nac NORTH AVENUE CAPITAL

July 25, 2016

Mr. Skip Canfield
Nevada Division of State Lands
901 S. Stewart St, Ste. 5003
Carson City, NV 89701-5246

RE: Gateway Commerce Center, LLC

TO WHOM IT MAY CONCERN,

We are initiating the Executive Order 12372 "Intergovernmental Review of Federal Programs" process as it relates to the project described herein. The Lender and the U.S. Department of Agriculture, Rural Development, Business & Industry Guaranteed Loan Program (the "Agency") are being asked to consider providing financial assistance for the proposal described in the attached documentation and your comments are invited on this proposal regarding:

1. Consistency with State and local government planning goals;
2. Extent to which the proposal duplicates, runs counter to, or needs to be coordinated with other activities or might be revised to increase its effectiveness;
3. Contribution to achieving State and local government goals relating to natural and human resources or economic and community development;
4. Extent of environmental impacts and alternatives that should be considered in the Agency's environmental review;
5. Influence on area growth or delivery or services, including any disproportionate effects on minority groups;
6. Impacts on energy resource supply and demand;
7. Possible displacement of people or businesses and;

If you have any questions concerning this proposal, please contact me at 229-740-3421.

Sincerely,

David R. Lavender

David R. Lavender
Senior Credit Manager

201 BJ Miley Street, Hahira, Georgia 31632 • 229-740-3421

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT A

FORM 1940-20 REQUEST FOR ENVIRONMENTAL INFORMATION

nac
NORTH AVENUE
CAPITAL

USDA
Form RD 1940-20
(Rev. 6-99)

Position 3

REQUEST FOR ENVIRONMENTAL INFORMATION

FORM APPROVED
OMB No. 0575-0094

Name of Project: Gateway Commerce Center, LLC
Gateway Commerce Cente

Location: Fernley, Nevada
Fernley, Nevada

Item 1a. Has a Federal, State or Local Environmental Impact Statement or Analysis been prepared for this project?
☐ Yes ☑ No ☐ Copy attached as EXHIBIT I-A.

1b. If "No," provide the information requested in Instructions as EXHIBIT I.

Item 2. The State Historic Preservation Officer (SHOP) has been provided a detailed project description and has been requested to submit comments to the appropriate Rural Development Office. ☐ Yes ☑ No Date description submitted to SHPO _____

Item 3. Are any of the following land uses or environmental resources either to be affected by the proposal or located within or adjacent to the project site(s)? *(Check appropriate box for every item of the following checklist).*

	Yes	No	Unknown
1. Industrial	☑	☐	☐
2. Commercial	☑	☐	☐
3. Residential	☐	☑	☐
4. Agricultural	☐	☑	☐
5. Grazing	☐	☑	☐
6. Mining, Quarrying	☐	☑	☐
7. Forests	☐	☑	☐
8. Recreational	☐	☑	☐
9. Transportation	☑	☐	☐
10. Parks	☐	☑	☐
11. Hospital	☐	☑	☐
12. Schools	☐	☑	☐
13. Open spaces	☐	☑	☐
14. Aquifer Recharge Area	☐	☑	☐
15. Steep Slopes	☐	☑	☐
16. Wildlife Refuge	☐	☑	☑
17. Shoreline	☐	☐	☐
18. Beaches	☐	☑	☐
19. Dunes	☑	☑	☐
20. Estuary	☐	☑	☐
21. Wetlands	☐	☑	☐
22. Floodplain	☐	☑	☐
23. Wilderness *(designated or proposed under the Wilderness Act)*	☐	☑	☐
24. Wild or Scenic River *(proposed or designated under the Wild and Scenic Rivers Act)*	☐	☑	☐
25. Historical, Archeological Sites *(Listed on the National Register of Historic Places or which may be eligible for listing)*	☐	☑	☐
26. Critical Habitats *(endangered /threatened species)*	☐	☑	☐
27. Wildlife	☐	☑	☐
28. Air Quality	☐	☑	☐
29. Solid Waste Management	☐	☑	☐
30. Energy Supplies	☐	☑	☐
31. Natural Landmark *(Listed on National Registry of Natural Landmarks)*	☐	☑	☐
32. Coastal Barrier Resources System	☐	☑	☐

Item 4. Are any facilities under your ownership, lease, or supervision to be utilized in the accomplishment of this project, either listed or under consideration for listing on the Environmental Protection Agency's List of Violating Facilities? ☐ Yes ☑ No

July 11 2016
(Date)

Signed: _____
(Applicant)

Managing Director
(Title)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0575-0094. The time required to complete this information collection is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Supplemental Environmental Information

(To accompany Form 1940-20, Request for Environmental Information)

Name of Applicant:	**Gateway Commerce Center, LLC**
Name of Project:	**Gateway Commerce Center**
Project Location:	**Fernley, Nevada (Churchill and Lyon Counties)**

1. Primary Beneficiaries. Identify any businesses or major developments that will benefit from the proposal, and those which will expand or locate in the area because of the project.

Gateway Commerce Center, LLC will be the primary beneficiary. Several businesses will expand or locate in the area as this is an industrial park facility with rail service. Currently, the Borrower has Letters of Intent with GreeNu Commodities, LLC and ReNeuvo Composites Nevada, Inc. and is in discussions with several other large manufacturing companies. The Borrower is represented by Newmark-Grubb-Knight-Frank, one of the largest commercial real estate service firms in the world to help locate businesses interested in locating in the proposed industrial park.

2. Area Description.

A. Describe the size, terrain, and present land uses as well as the adjacent land uses of the areas to be affected. These areas include the site(s) of construction or project activities, adjacent area, and areas affected by the primary beneficiaries.

Elevation of the property averages about 4,060 feet above sea level. The property is very lightly vegetated with high desert grasses and shrubs. General drainage on the property is to the southeast.

The developed portions of the property are around Darwin Siding on the Southern Pacific Railroad, and a cell phone tower located near the far northwest corner of the property, adjacent to U. S. Alt. Highway 50. The railroad right-of-way runs approximately through the center of the property, with the Darwin Siding area located on the southwest side of the railroad. There is an irrigation canal that roughly parallels the railroad on the northeast side of the tracks, otherwise there are no developments northeast of the tracks. Buildings at the Darwin Siding area include the steel shop and office occupied by WNRP, and the steel shop and office trailer occupied by Turner Propane. The buildings are on slab foundations and are heated with propane. Water is provided from an onsite well and sewage is handled through an onsite septic system. Electricity is provided to the facility by NV Energy. There are no underground tanks on the property except for the septic tank. Above ground asphalt tanks and an asphalt loading rack are located immediately northwest of the WNRP shop/office building. Above ground propane tanks are located immediately southeast of the Turner Propane shop and office trailer. Trash is removed from the property on an as needed basis. The cell phone tower area is enclosed by a chain link fence. The tower, three small electrical control buildings, and two standby diesel electric generators are contained with the fenced enclosure.

The north and east sides of the property are bordered by public lands administrated by the U. S. Bureau of Land Management. Facilities for the Patua Geothermal Plant are located on portions of these lands. The southwest side of the property is bordered by U. S. Alt. Highway 50. Private property is present southwest of the highway. A lightly developed commercial area is present near the southeast corner of the property on the southwest side of the highway. Businesses in this area include Vista Equipment, Inc. and BLT Ready Mix, Inc.

B. For each box checked "Yes" in item 3 of Form RD 1940-20, describe the nature of the effect on the resource

Item #1 "Industrial" is checked "Yes" because the project is for an industrial park where industrial facilities will be located.

Item #2 "Commercial" is checked "Yes" because the project itself is a commercial venture.

Item #9 "Transportation" is checked "Yes" because the project is for an industrial park served by a railroad spur.

C. Attach a detailed street map or topographic map showing the location of the project.

☒ See attached topographic map showing the project location.

E. Provide photos of the site to be developed, including any structures now on the site, and pho the surrounding area. Digital photos sent via e-mail are strongly encouraged

☒ See attached site photos.

13. Public Reaction

A. Describe any objections which have been made to the project.

No negative public reaction is expected in regard to this project. The subject property has been properly zoned to accommodate this project.

15. Mitigation Measures. Describe any measures which will be taken to avoid or mitigate any adverse environmental impacts associated with the project.

Not Applicable.

16. Permits

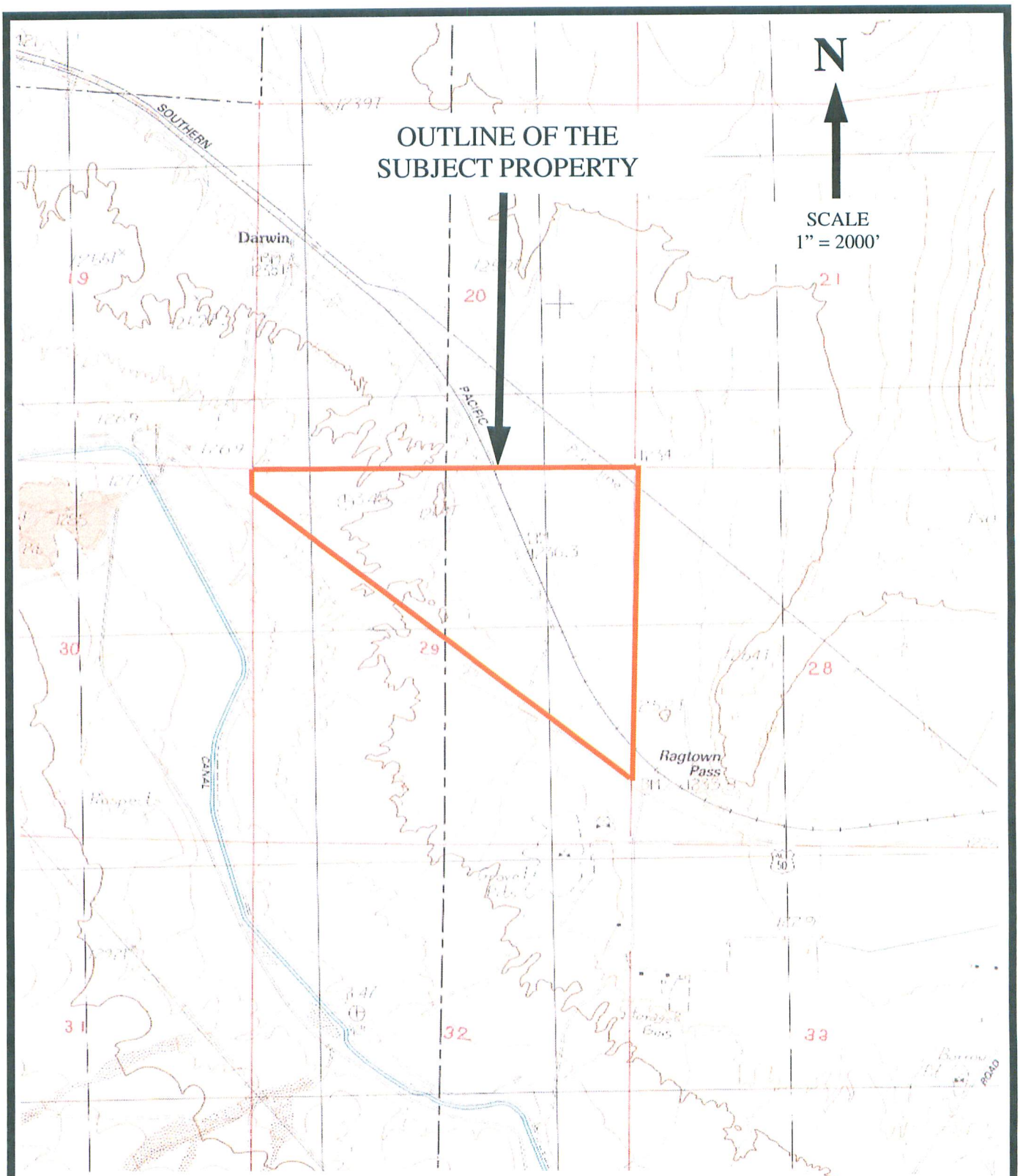
A. Indicate any current zoning restrictions and the project's consistency with local land use plans.

There are no current zoning restrictions that will inhibit the project and the project is consistent with local land use plans.

B. Identify any permits which are needed for the project. Identify any city or county planning department that has jurisdiction over your project – i.e., from which a permit must be obtained. Provide the name and phone number of the contact person there.

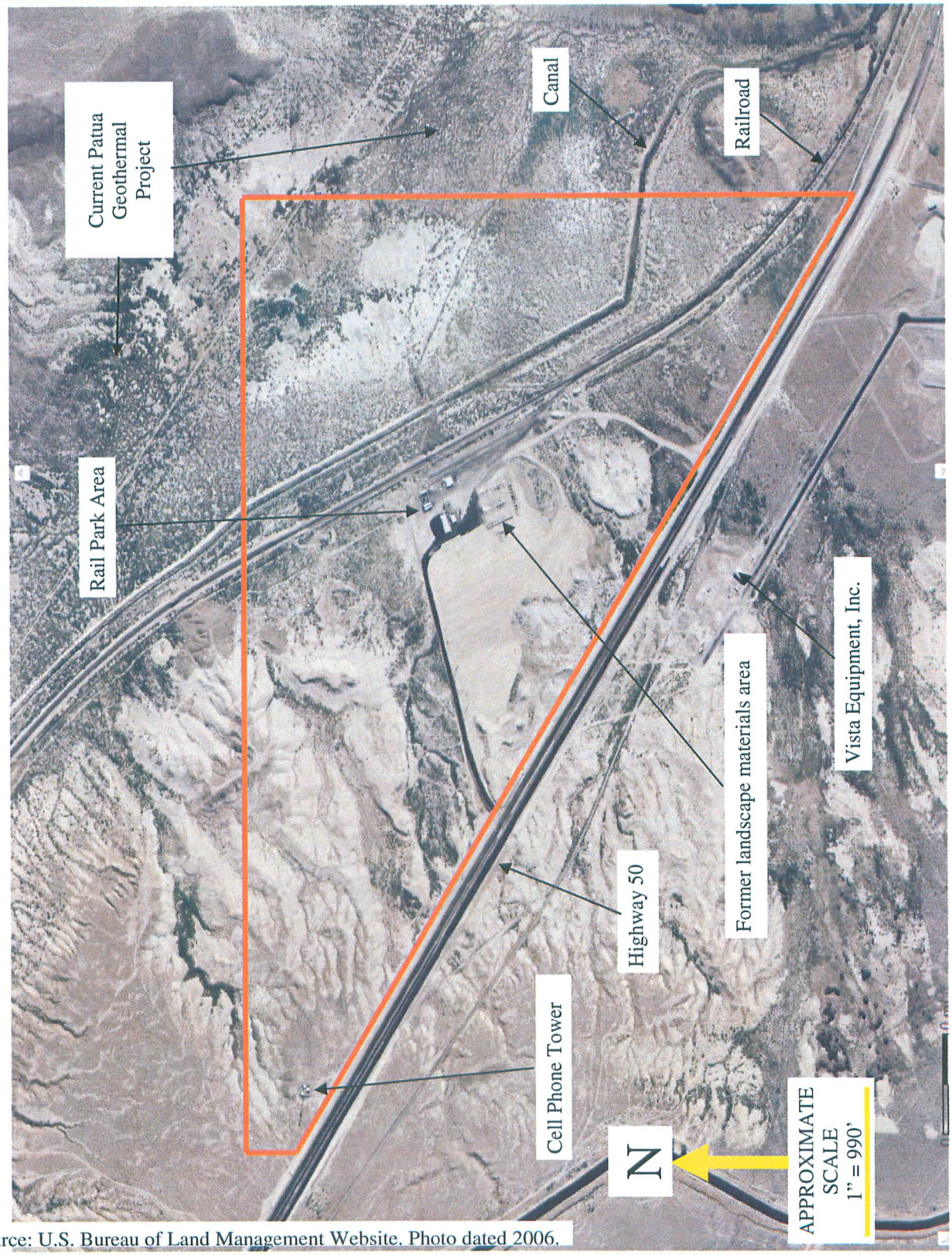
Permit Type	Agency	Contact Person	Contact Phone

C. Indicate the status of obtaining each such permit and attach any that have been received.			
Any and all permits of an environmental nature either have or will be obtained, if necessary, for this project. All other applicable permits have been or are being obtained as well.			
17. Other Federal Actions. Identify other federal programs or actions which are either related to this project or located in the same geographical area and for which you are filing an application, have recently received approval, or have in the planning stages.			
There are no known other federal programs or actions that affect this project.			



SOURCE: USGS 7.5' HAZEN, NEV. QUADRANGLE, PROVISIONAL EDITION, 1985

ROBISON ENGINEERING COMPANY	**SITE TOPOGRAPHIC MAP** **PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 11, 2014		2
PROJECT NO. 1-313-03.001		



Source: U.S. Bureau of Land Management Website. Photo dated 2006.

ROBISON ENGINEERING COMPANY	**SITE AERIAL PHOTOGRAPH** **PHASE I ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		3
PROJECT NO. 1-313-03.001		

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT B

SF 424 – Application for Federal Assistance
And
SF 424C Budget Information – Construction Programs

nac
NORTH AVENUE
CAPITAL

OMB Number: 4040-0004
Expiration Date: 04/31/2012

Application for Federal Assistance SF-424

Version 02

*1. Type of Submission	*2. Type of Application	*If Revision, select appropriate letter(s):
☐ Preapplication	☐ New	
☑ Application	☑ Continuation	* Other (Specify)
☐ Changed/Corrected Application	☐ Revision	

*3. Date Received: 7-26-16

4. Application Identifier:

5a. Federal Entity Identifier:

*5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Gateway Commerce Center, LLC

* b. Employer/Taxpayer Identification Number (EIN/TIN): 47-4284978

*c. Organizational DUNS: 080313425

d. Address:

*Street1: 11000 US Alt. Hwy 50
Street 2:
*City: Fernley
County: Churchill & Lyon
*State: Nevada
Province:
Country: USA
*Zip/ Postal Code: 89408

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:
First Name: David
Middle Name:
*Last Name: Lavender
Suffix:

Title: Senior Credit Manager

Organizational Affiliation:
North Avenue Capital, LLC

*Telephone Number: 229-740-3421

Fax Number:

*Email: dlavender@northavenuecap.com

OMB Number: 4040-0004
Expiration Date: 04/31/2012

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type: R. Small Business

Type of Applicant 2: Select Applicant Type:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

*Other (specify):

*10. Name of Federal Agency:
USDA Rural Development

11. Catalog of Federal Domestic Assistance Number:

10.768

CFDA Title:

Business and Industry Loan

*12. Funding Opportunity Number:

*Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Fernley, Nevada
Churchill County, Nevada
Lyon County, Nevada

*15. Descriptive Title of Applicant's Project:

Gateway Commerce Center, LLC is proposing to purchase 227.15 acres and extend a water main.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

*a. Applicant CD 2

*b. Program/Project: CD 2

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

*a. Start Date: August 2016

*b. End Date: December 2016

18. Estimated Funding ($):

*a. Federal	$10,000,000.00
*b. Applicant	$143,200.00
*c. State	
*d. Local	
*e. Other	
*f. Program Income	
*g. TOTAL	$10,143,200.00

***19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☑ a. This application was made available to the State under the Executive Order 12372 Process for review on 7-25-16
☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
☐ c. Program is not covered by E.O. 12372

*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)
☐ Yes ☑ No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☑ **I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:

*First Name: David

Middle Name: R.

*Last Name: Lavender

Suffix:

*Title: Senior Credit Manager

*Telephone Number: 229-740-3421

Fax Number:

*Email: dlavender@northavenuecap.com

*Signature of Authorized Representative:

Date Signed: 7-25-16

OMB Number: 4040-0004
Expiration Date: 04/31/2012

Application for Federal Assistance SF-424

Version 02

*Applicant Federal Debt Delinquency Explanation

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

OMB Approval No. 0348-0041

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	$ 1,796,976 .00	$ .00	$ 1,796,976 .00
2. Land, structures, rights-of-way, appraisals, etc.	$ 5,400,000 .00	$ .00	$ 5,400,000 .00
3. Relocation expenses and payments	$ .00	$ .00	$ 0 .00
4. Architectural and engineering fees	$ .00	$ .00	$ 0 .00
5. Other architectural and engineering fees	$ .00	$ .00	$ 0 .00
6. Project inspection fees	$ .00	$ .00	$ 0 .00
7. Site work	$ .00	$ .00	$ 0 .00
8. Demolition and removal	$ .00	$ .00	$ 0 .00
9. Construction	$ 1,697,579 .00	$ .00	$ 1,697,579 .00
10. Equipment	$ .00	$ .00	$ 0 .00
11. Miscellaneous	$ 1,000,000 .00	$ .00	$ 1,000,000 .00
12. SUBTOTAL *(sum of lines 1-11)*	$ 9,894,555 .00	$ 0 .00	$ 9,894,555 .00
13. Contingencies	$ 248,645 .00	$ .00	$ 248,645 .00
14. SUBTOTAL	$ 10,143,200 .00	$ 0 .00	$ 8,894,555 .00
15. Project (program) income	$ .00	$ .00	$ 0 .00
16. TOTAL PROJECT COSTS *(subtract #15 from #14)*	$ 10,143,200 .00	$ 0 .00	$ 8,894,555 .00

FEDERAL FUNDING

17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X _____%	$ 0 .00

To autocalculate, press TAB key after entering percent. These instructions will not print.

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT C

Detailed Project Description or Scope of Work

nac
NORTH AVENUE
CAPITAL

Gateway Commerce Center, LLC
Executive Order 12372 Submission

ATTACHMENT C

Detailed Project Description / Scope of Work

Gateway Commerce Center, LLC (the "Company") proposes to purchase 227.15 acres of land situated in Lyon and Churchill Counties, Nevada and extend an 18" water main into the property. A copy of the engineering plans for the water main extension and enclosed as well as an ALTA survey of the property.

The property currently contains railroad main line, a railroad switch and spur track. The property will be used in the future as a commerce center and rail park. The park's first tenant, GreeNu Commodities, LLC ("GreeNu"), located in the center of the park, has already been through the NEPA process and has received all necessary permits. A copy of GreeNu's permits are attached to the package for review.

Waterline Extension Package for GreeNu

Fernley, Nevada

DRAWING INDEX

	DRAWING	DESCRIPTION
	PS.1	PROJECT SHEET, DRAWING INDEX, DESIGN TEAM, VICINITY MAP
CIVIL	C1.0	KEY PLAN
	C2.1	WATERLINE EXTENSION PLAN & PROFILE STA. 0+00 TO STA. 12+00
	C2.2	WATERLINE EXTENSION PLAN & PROFILE STA. 12+00 TO STA. 24+00
	C2.3	WATERLINE EXTENSION PLAN & PROFILE STA. 24+00 TO STA. 36+00
	C2.4	WATERLINE EXTENSION PLAN & PROFILE STA.36+00 TO STA. 48+00
	C2.5	WATERLINE EXTENSION PLAN & PROFILE STA. 48+00 TO STA. 60+00
	C2.6	WATERLINE EXTENSION PLAN & PROFILE STA. 60+00 TO STA. 72+00
	C2.7	WATERLINE EXTENSION PLAN & PROFILE STA. 72+00 TO STA. 84+00
	C2.8	WATERLINE EXTENSION PLAN & PROFILE STA. 84+00 TO STA. 96+00
	C2.9	WATERLINE EXTENSION PLAN & PROFILE STA. 96+00 TO STA. 108+00
	C2.10	WATERLINE EXTENSION PLAN & PROFILE STA. 108+00 TO STA. 120+00
	C2.11	WATERLINE EXTENSION PLAN & PROFILE STA. 120+00 TO STA. 128+00
	C2.12	WATERLINE EXTENSION PLAN & PROFILE STA. 128+00 TO STA. 139+00
	C6.1	GENERAL NOTES, ABBREVIATIONS & LEGEND
	C6.2	DETAIL SHEET

DESIGN TEAM

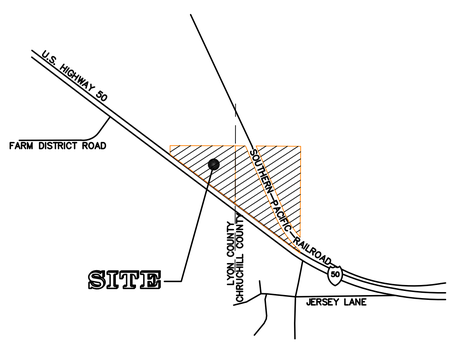
Client:

GreeNu COMMODITIES LLC
917 Pacific Avenue, Suite 206
Tacoma, WA 98402
(253) 365-9333

Civil:

TECTONICS DESIGN GROUP
10451 Double R Blvd.
Reno, Nevada 89521
(775) 824-9988 Fax: (775) 824-9986
Attn: Matt Rasmussen

VICINITY MAP



FERNLEY, NEVADA

PROJECT INFORMATION

BASIS OF BEARINGS

THE BASIS OF BEARING IS THENEVADA STATE PLANE COORDINATES, WEST ZONE, NAD83, FEET (GROUND)
NAVD88, FEET

GRID–TO–GROUND: 1.00026944758
GROUND–TO–GRID: 0.99973062500

BASIS OF ELEVATION

THE BASIS OF ELEVATION FOR THIS SURVEY IS BASED ON GPS POINTS ADJUSTED HORIZONTALLY AND VERTICALLY TO NDOT MONUMENT "47099B M", WHICH HAS A PUBLISHED ELEVATION OF 4069.844 FEET.

ALL POINTS THEN SCALED TO GROUND COORDINATES USING THE NDOT COMBINED FACTOR OF 0.99973062500 FOR THE LOVELOCK–FALLON AREA.

APPROVALS

PUBLIC WORKS DIRECTOR — DATE

NCARB COMMUNITY DEVELOPMENT DIRECTOR
MOJRA HAUENSTEIN — DATE

ACTING CITY MANAGER
DAPHNE HOOPER — DATE

CED ENGINEER — DATE

STATE FIRE MARSHALL — DATE

TRUCKEE CARSON IRRIGATION DISTRICT — DATE

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DRAWN: N.D.J.
DESIGNED: M.K.R.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: PRELIMINARY NOT FOR CONSTRUCTION

DESIGNER: TECTONICS DESIGN GROUP
10451 Double R Boulevard
Reno, NV 89521 www.tdg-inc.net
tel 775-824-9988
fax 775-824-9986

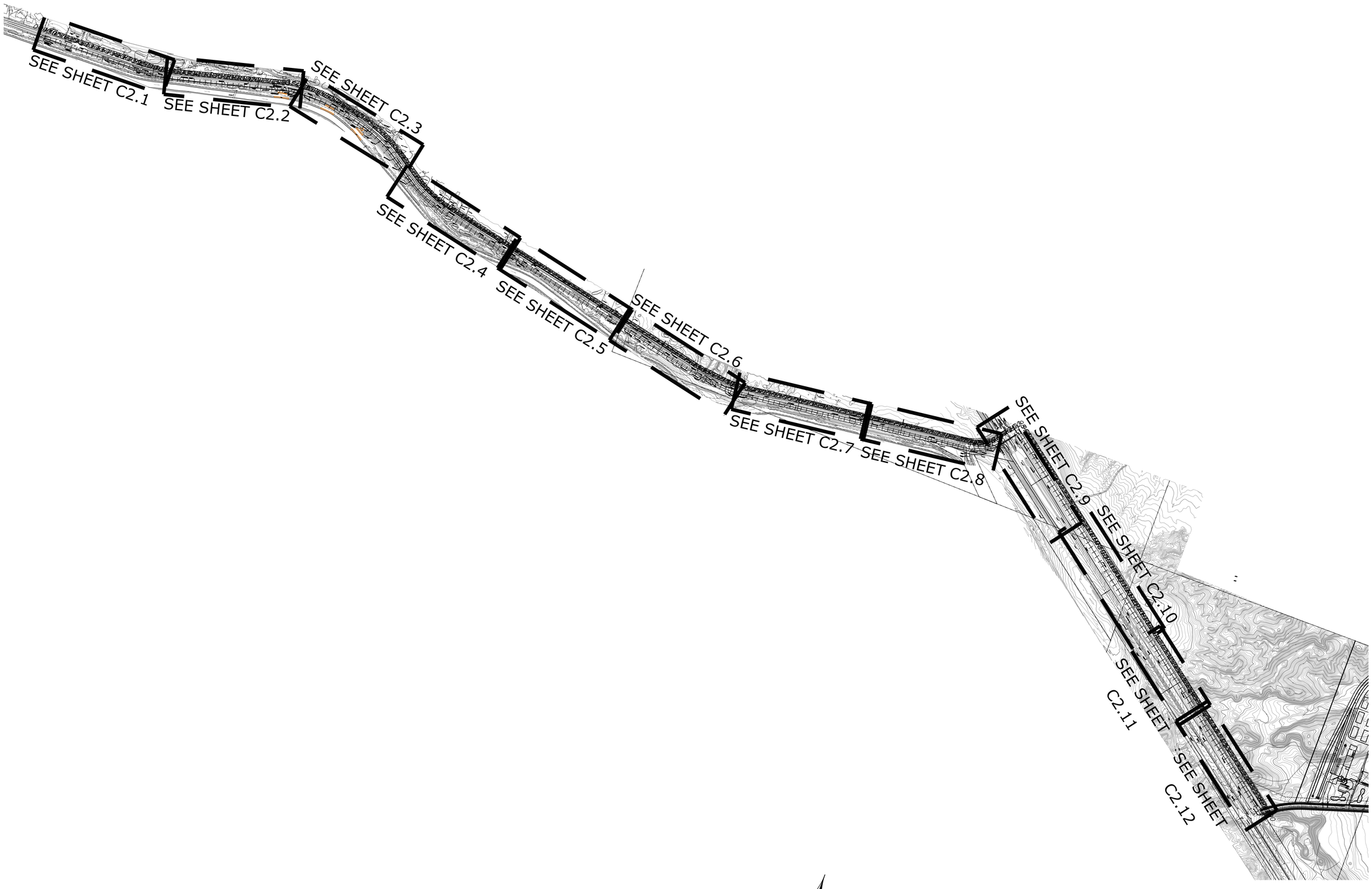
PROJECT/CLIENT: #: 13010
GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: PROJECT INFORMATION
DRAWING INDEX
DESIGN TEAM
VICINITY MAP

SHEET: PS.1



KEY PLAN

SCALE: 1" = 400'-0"

1=400'-0" GREENU WATERLINE EXTENSION 13010_C10

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DRAWN: N.D.J.
DESIGNED: M.K.R.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: PRELIMINARY NOT FOR CONSTRUCTION

DESIGNER: TECTONICS DESIGN GROUP
10451 Double R Boulevard
Reno, NV 89521 www.tdg-inc.net
tel 775-824-9988
fax 775-824-9986

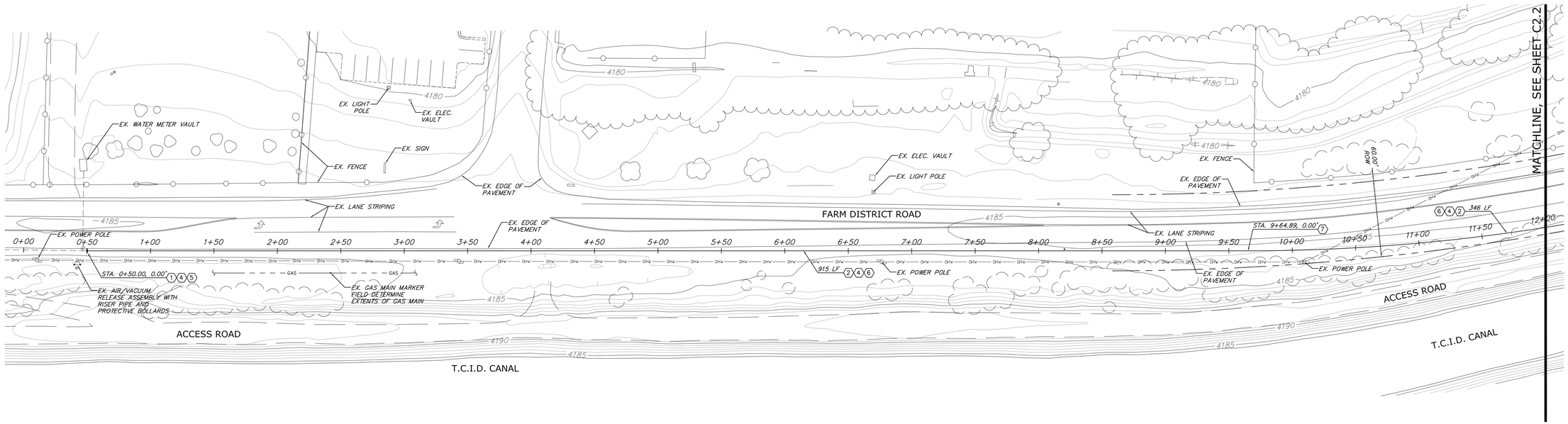
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
#: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: KEY PLAN

SHEET: C1.0



NOTES:

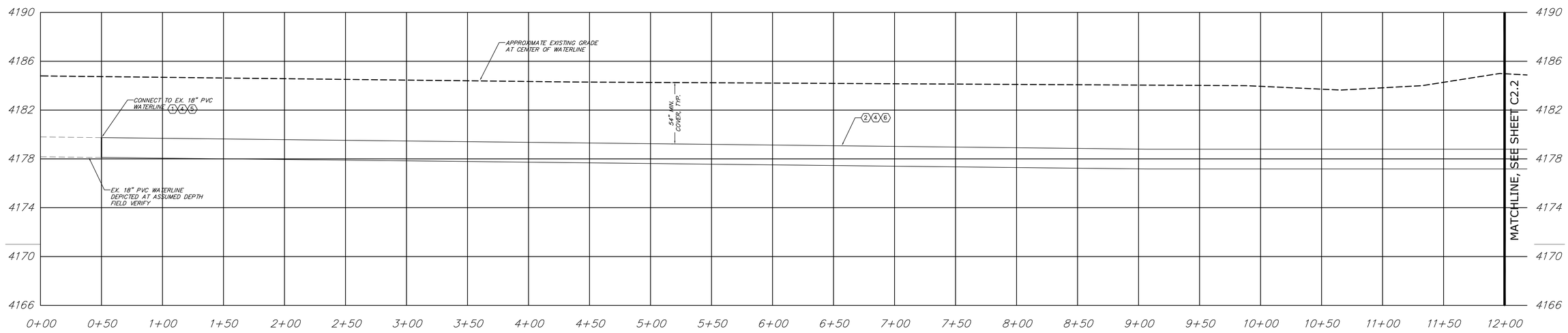
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. EXISTING WATERLINE MUST REMAIN IN SERVICE DURING CONSTRUCTION OF NEW WATERLINE. BEGIN CONSTRUCTION OF NEW WATERLINE A MINIMUM OF 18 LF EAST OF EXISTING TERMINATION FLUSH ASSEMBLY. INSTALL TEMPORARY HOSE ASSEMBLY AND UTILIZE EXISTING FLUSH ASSEMBLY TO FILL NEW WATERLINE FOR DISINFECTING, TESTING, AND FLUSHING PRIOR TO CONNECTION TO EXISTING WATER MAIN. UPON COMPLETION OF DISINFECTING, TESTING, AND FLUSHING, NEW WATER MAIN MAY BE CONNECTED TO EXISTING WATER MAIN. ISOLATE EXISTING 18" WATER MAIN AT INLINE GATE VALVE LOCATED 730± LF WEST OF TERMINATION FLUSH ASSEMBLY. REMOVE AND DISPOSE EXISTING FLUSH ASSEMBLY AND CONNECT TO EXISTING 18" C905 PVC WATER MAIN USING ROMAC STYLE 501 STRAIGHT COUPLING(S) OR ENGINEER APPROVED EQUAL. SWAB INTERIOR OF ALL PIPE AND FITTINGS TO BE USED FOR CONNECTION TO EXISTING WATER MAIN WITH BLEACH SOLUTION PRIOR TO INSTALLATION.
6. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
7. BEGIN JOINT DEFLECTION, R = 1,500 FEET, 0.75° DEFLECTION AT EACH JOINT, APPROX. 3 INCHES OFFSET AT EACH BELL AND SPIGOT JOINT

WATERLINE EXTENSION PLAN
STA. 0+00 TO STA. 12+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 0+00 TO STA. 12+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C21

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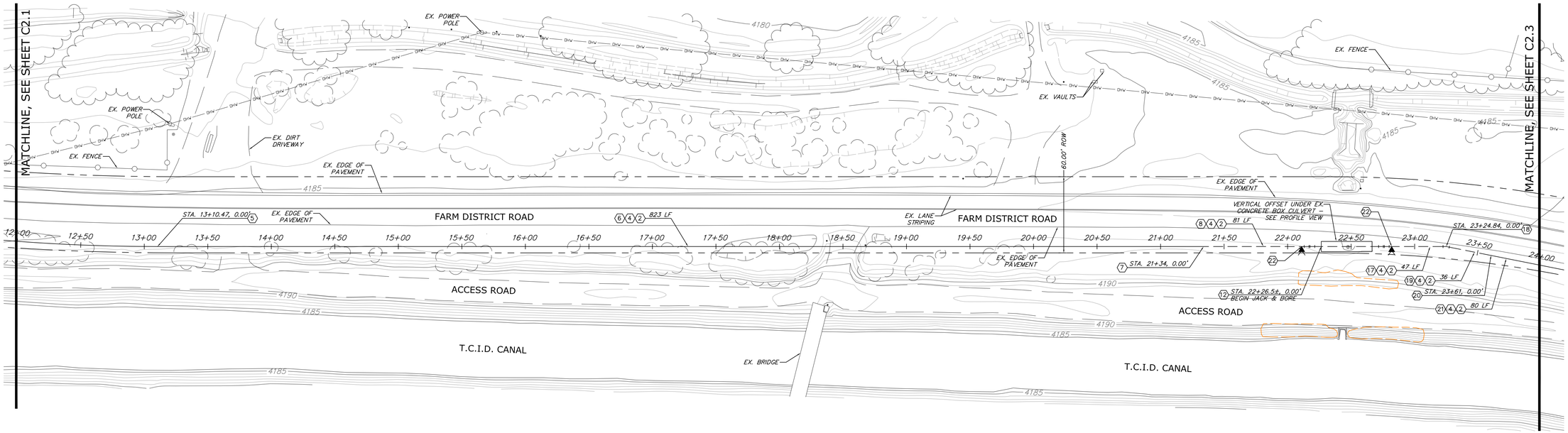
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
#: 13010
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 0+00 TO STA. 12+00

SHEET: C2.1



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

WATERLINE EXTENSION PLAN
STA. 12+00 TO STA. 24+00

SCALE: 1" = 40'-0"

CONSTRUCTION NOTES:

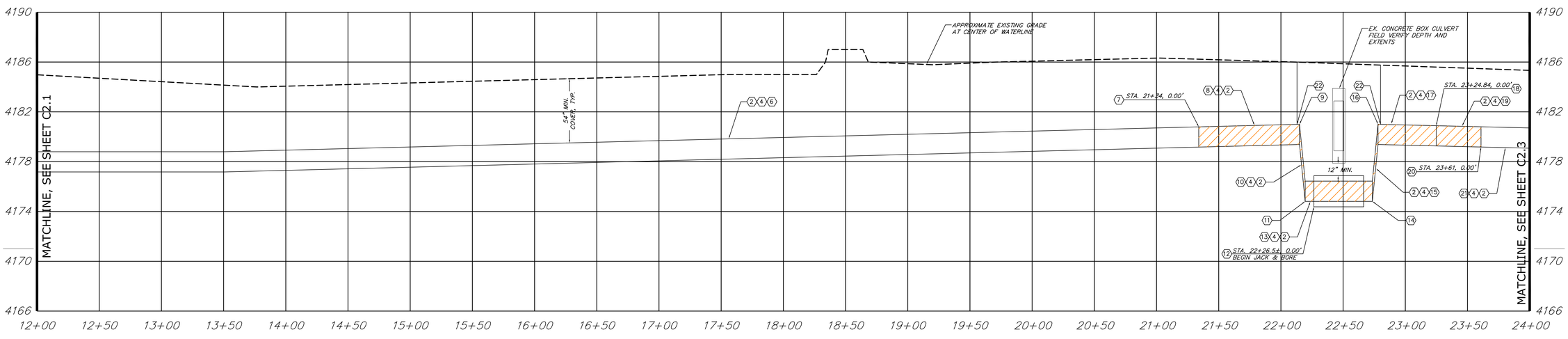
1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. END JOINT DEFLECTION
6. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
7. BEGIN RESTRAINED-JOINT PIPING
8. INSTALL 81 LF 18" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL.
9. INSTALL 18" 45° AWWA C153 DUCTILE IRON VERTICAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLANDS FOR C905 PVC PIPE (2) OR ENGINEER APPROVED EQUAL.
10. INSTALL 6± LF 18" CL 235 DR-18 C905 PVC PIPE, SINGLE LENGTH, NO JOINTS

CONSTRUCTION NOTES (CONTINUED):

11. INSTALL 18" 45° AWWA C153 DUCTILE IRON VERTICAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE (VERTICAL PIPE LEG) AND EBAA IRON MEGALUG SERIES 1100 MECHANICAL JOINT RESTRAINT GLAND FOR DUCTILE IRON PIPE (HORIZONTAL PIPE LEG) OR ENGINEER APPROVED EQUAL.
12. JACK AND BORE CASING BENEATH EXISTING CONCRETE BOX CULVERT, FIELD VERIFY DEPTH AND EXTENTS. INSTALL 40 LF 30"ø SCHEDULE 20 ASTM GRADE B STEEL PIPE, 0.5" WALL THICKNESS FOR CASING.
13. INSTALL 54 LF (3-FULL 18 LF LENGTHS) 18" U.S. PIPE TR FLEX RESTRAINED-JOINT DUCTILE IRON PIPE, CARRIER PIPE WITHIN CASING, WITH CASING SPACERS AND END SEALS. REFERENCE DETAIL SHEET.
14. INSTALL 18" 45° AWWA C153 DUCTILE IRON VERTICAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE (VERTICAL PIPE LEG) AND EBAA IRON MEGALUG SERIES 1100 MECHANICAL JOINT RESTRAINT GLAND FOR DUCTILE IRON PIPE (HORIZONTAL PIPE LEG) OR ENGINEER APPROVED EQUAL.
15. INSTALL 6± LF 18" CL 235 DR-18 C905 PVC PIPE, SINGLE LENGTH, NO JOINTS
16. INSTALL 18" 45° AWWA C153 DUCTILE IRON VERTICAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLANDS FOR C905 PVC PIPE (2) OR ENGINEER APPROVED EQUAL.
17. INSTALL 47 LF 18" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL.

CONSTRUCTION NOTES (CONTINUED):

18. INSTALL 18" 11.25° AWWA C153 DUCTILE IRON HORIZONTAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLANDS FOR C905 PVC PIPE (2) OR ENGINEER APPROVED EQUAL.
19. INSTALL 36 LF 18" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL.
20. END RESTRAINED-JOINT PIPING
21. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
22. INSTALL AIR/VACUUM RELEASE ASSEMBLY, TYPICAL OF 2. REFERENCE DETAIL SHEET.



WATERLINE EXTENSION PROFILE
STA. 12+00 TO STA. 24+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C22

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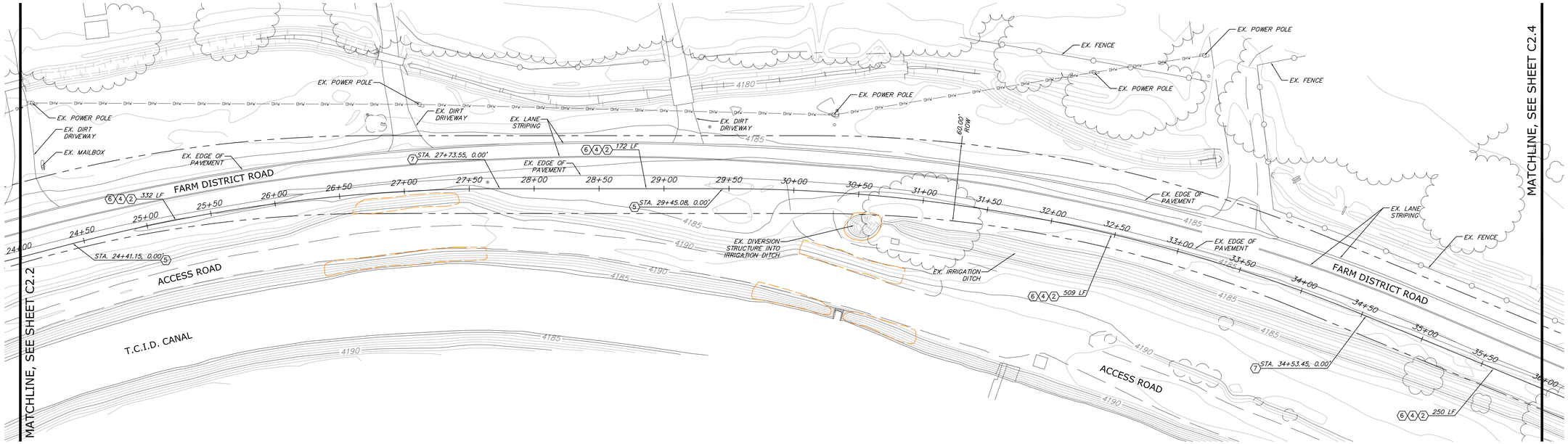
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
#: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 12+00 TO STA. 24+00

SHEET: C2.2



NOTES:

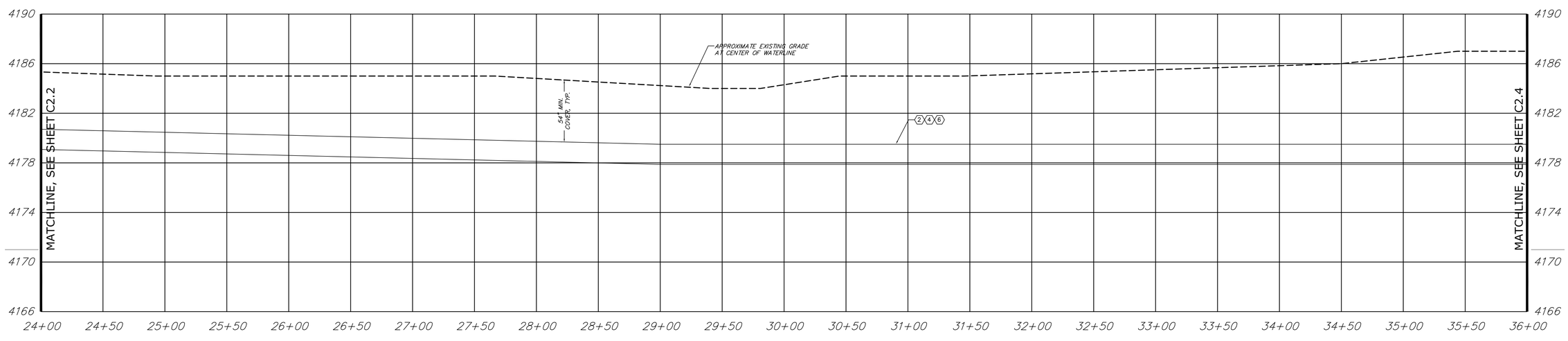
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. BEGIN JOINT DEFLECTION, R = 1,300 FEET, 0.9° DEFLECTION AT EACH JOINT, APPROX. 3.75 INCHES OFFSET AT EACH BELL AND SPIGOT JOINT
6. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
7. END JOINT DEFLECTION

WATERLINE EXTENSION PLAN
STA. 24+00 TO STA. 36+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 24+00 TO STA. 36+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C23

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DRAWN: N.D.J.
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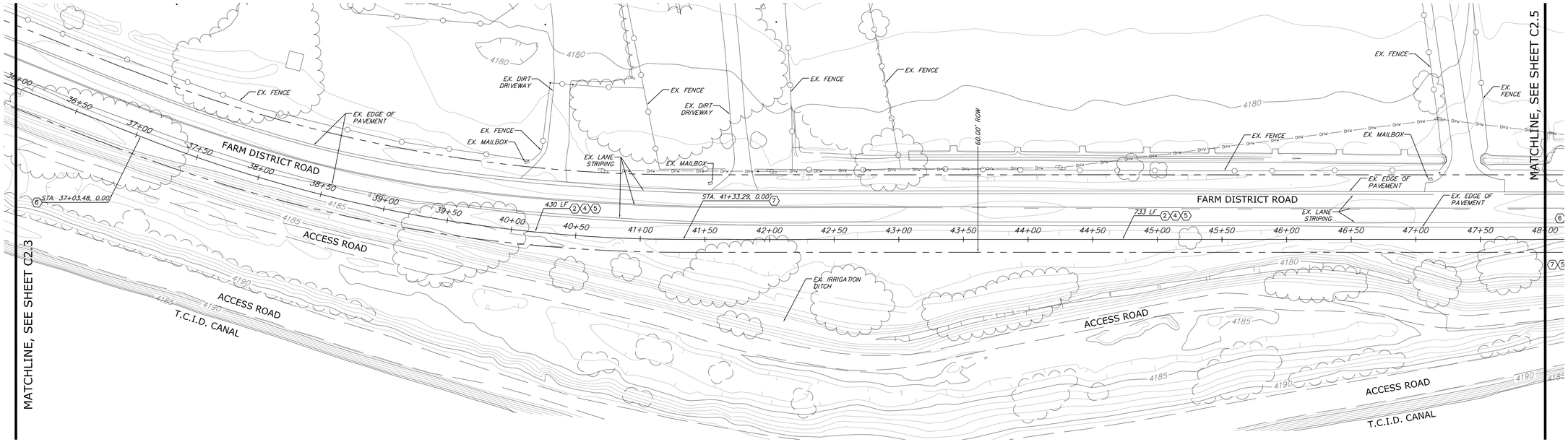
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
#: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 24+00 TO STA. 36+00

SHEET: C2.3



NOTES:

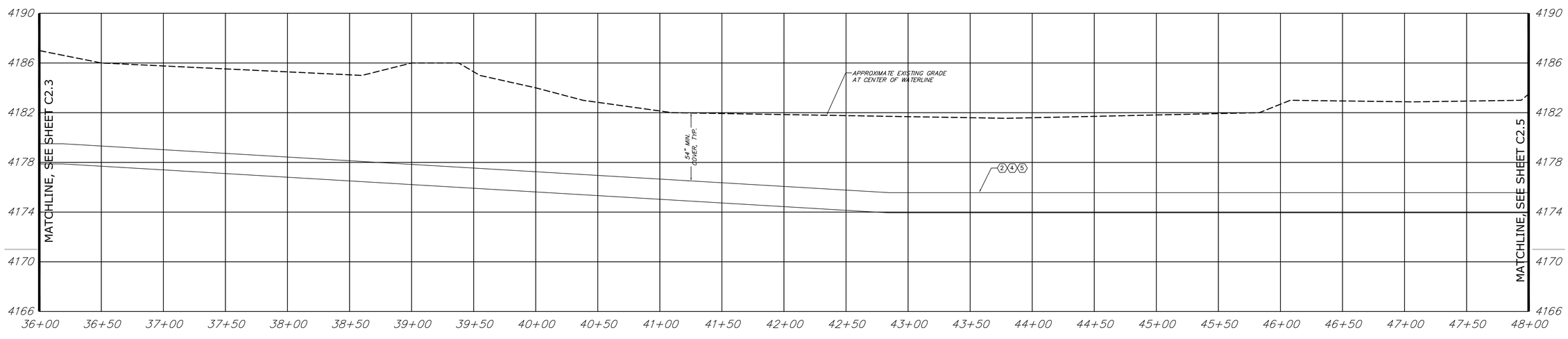
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
6. BEGIN JOINT DEFLECTION, R = 1,146 FEET, 1° DEFLECTION AT EACH JOINT, APPROX. 4 INCHES OFFSET AT EACH BELL AND SPIGOT JOINT
7. END JOINT DEFELECTION

WATERLINE EXTENSION PLAN
STA. 36+00 TO STA. 48+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 36+00 TO STA. 48+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C24

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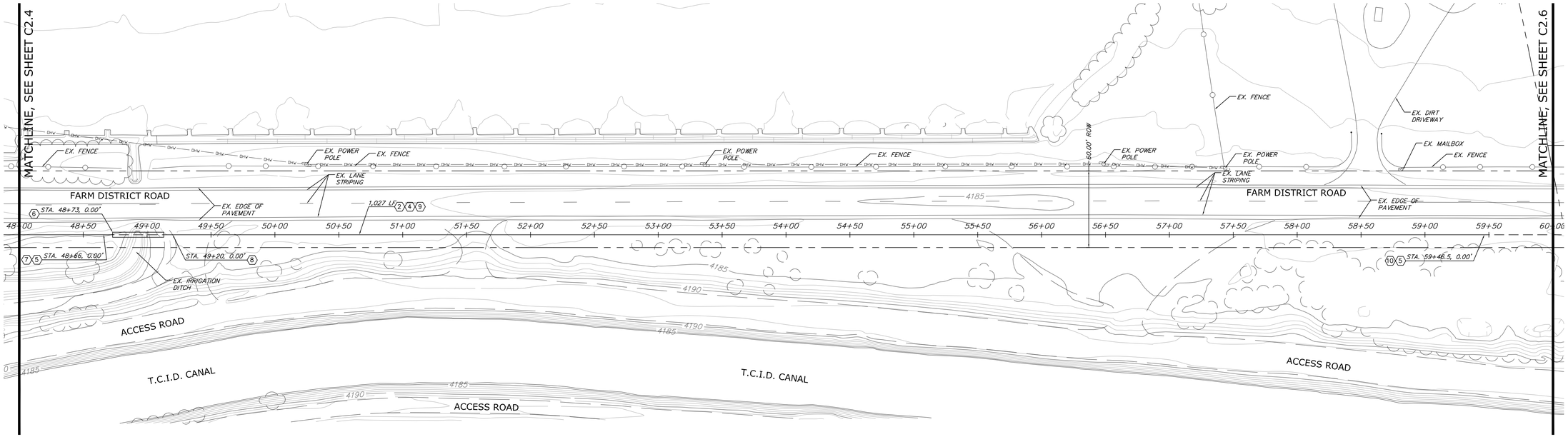
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
#: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 36+00 TO STA. 48+00

SHEET: C2.4



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

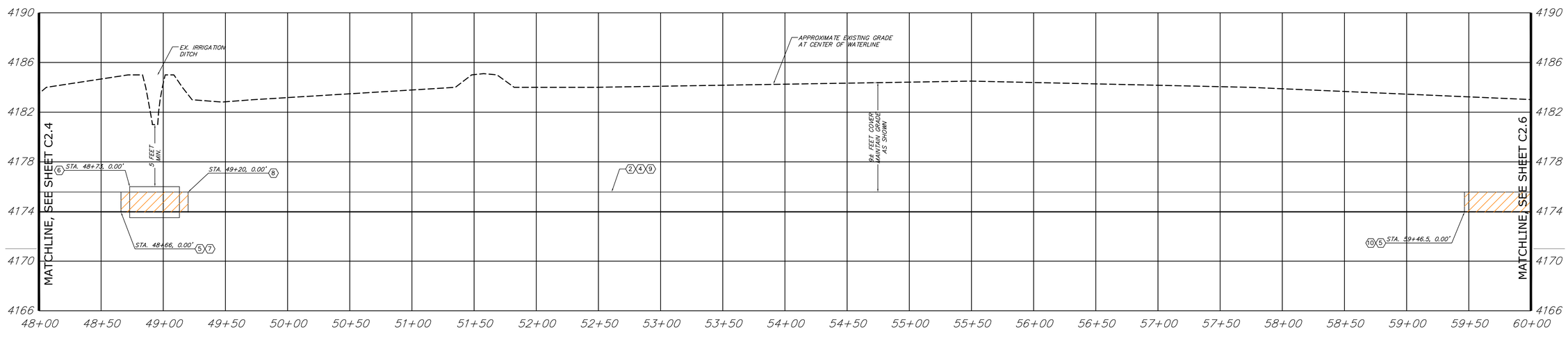
1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. BEGIN RESTRAINED-JOINT PIPING
6. INSTALL CASING BENEATH EXISTING IRRIGATION DITCH, FIELD VERIFY DEPTH AND EXTENTS. INSTALL 40 LF 30"ø SCHEDULE 20 ASTM GRADE B STEEL PIPE, 0.5" WALL THICKNESS FOR CASING.
7. INSTALL 54 LF (3-FULL 18 LF LENGTHS) 18" U.S. PIPE TR FLEX RESTRAINED-JOINT DUCTILE IRON PIPE, CARRIER PIPE WITHIN CASING, WITH CASING SPACERS AND END SEALS. REFERENCE DETAIL SHEET.
8. END RESTRAINED-JOINT PIPING
9. INSTALL 18" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS

CONSTRUCTION NOTES (CONTINUED):

10. INSTALL 100 LF 18" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL

WATERLINE EXTENSION PLAN
STA. 48+00 TO STA. 60+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 48+00 TO STA. 60+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C25

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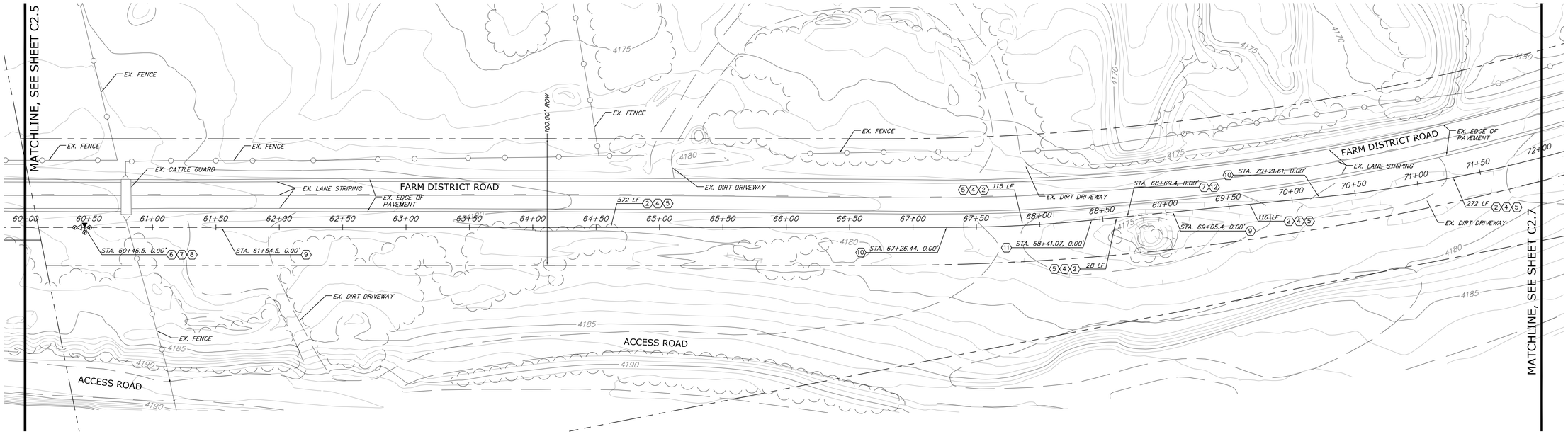
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
#: 13010
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 48+00 TO STA. 60+00

SHEET: C2.5



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

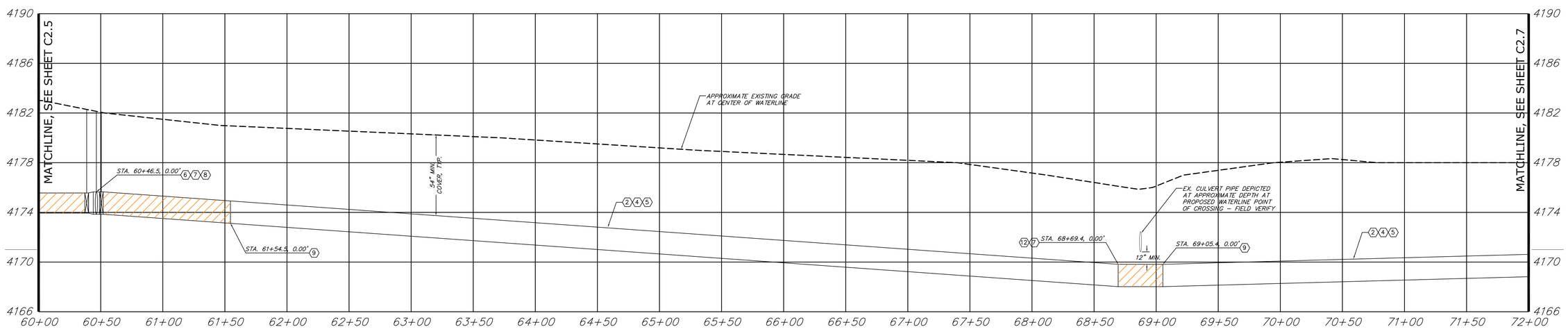
1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 20" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
6. TEE FOR FUTURE TANK SITE, INSTALL: 20" FLG DUCTILE IRON TEE, AWWA C110, WITH THRUST BLOCK; 20" X 18" FLG CONCENTRIC REDUCER, AWWA C110 (WEST); 18" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL (WEST); 20" DUCTILE IRON GATE VALVE, FLG X FLG, AWWA C515, WITH 20" DUCTILE IRON BLIND FLANGE (SOUTH) – STUB FOR FUTURE TANK WATER MAIN; 20" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL (EAST).
7. BEGIN RESTRAINED-JOINT PIPING
8. INSTALL 108 LF 20" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL
9. END RESTRAINED-JOINT PIPING

CONSTRUCTION NOTES (CONTINUED):

10. BEGIN JOINT DEFLECTION, R = 1,146 FEET, 1° DEFLECTION AT EACH JOINT, APPROX. 4 INCHES OFFSET AT EACH BELL AND SPIGOT JOINT
11. END JOINT DEFLECTION
12. INSTALL 36 LF (2-FULL 18 LF LENGTHS) 20" U.S. PIPE TR FLEX RESTRAINED-JOINT DUCTILE IRON PIPE UNDER EXISTING CULVERT PIPE

WATERLINE EXTENSION PLAN
STA. 60+00 TO STA. 72+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 60+00 TO STA. 72+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C26

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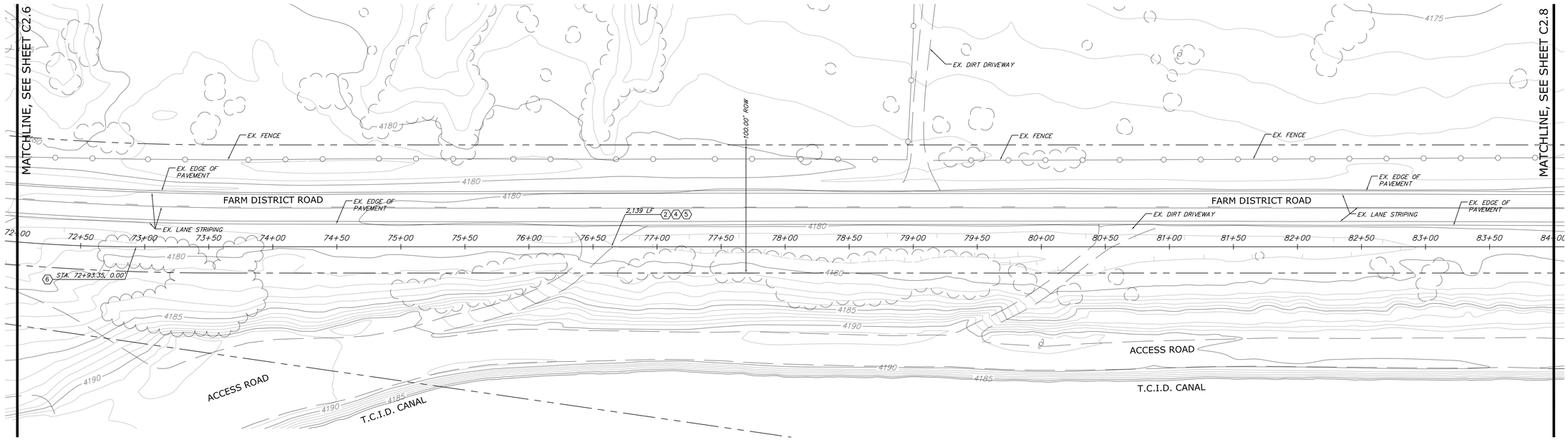
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
#: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 60+00 TO STA. 72+00

SHEET: C2.6



NOTES:

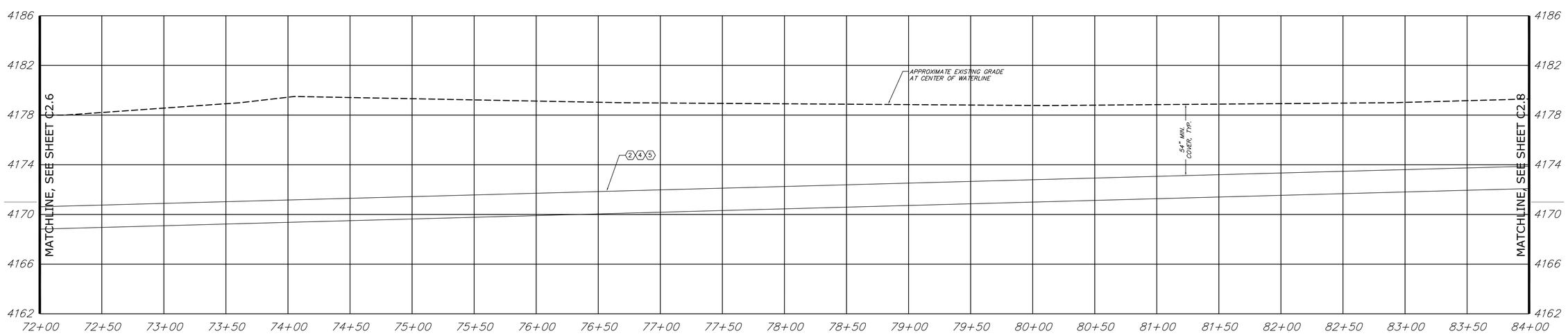
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

WATERLINE EXTENSION PLAN
STA. 72+00 TO STA. 84+00

SCALE: 1" = 40'-0"

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 20" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
6. END JOINT DEFELECTION



WATERLINE EXTENSION PROFILE
STA. 72+00 TO STA. 84+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C27

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GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

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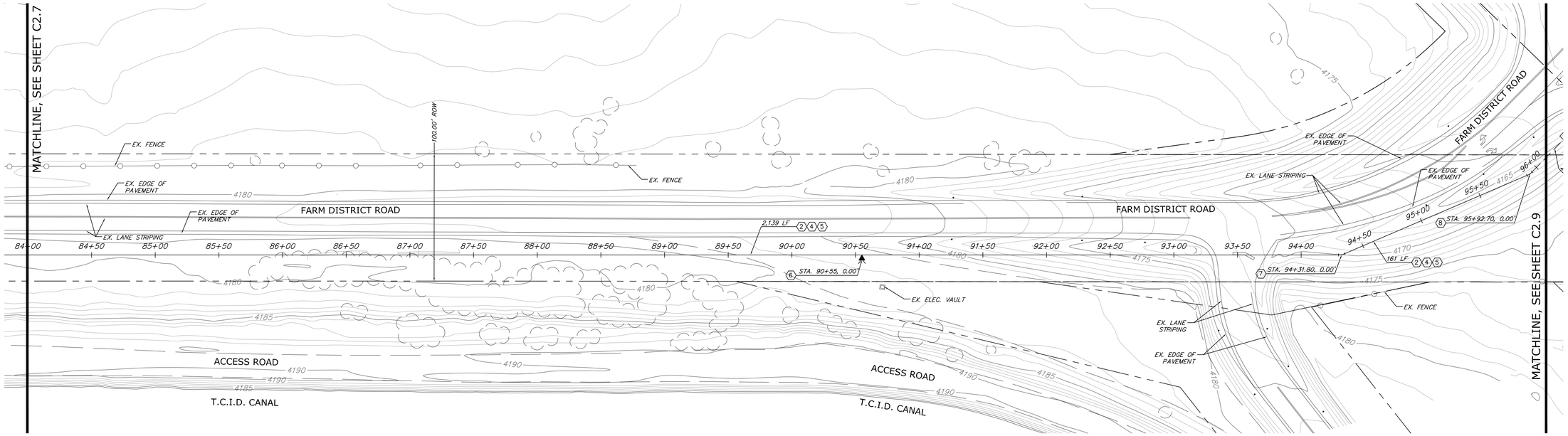
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 72+00 TO STA. 84+00

SHEET: C2.7



NOTES:

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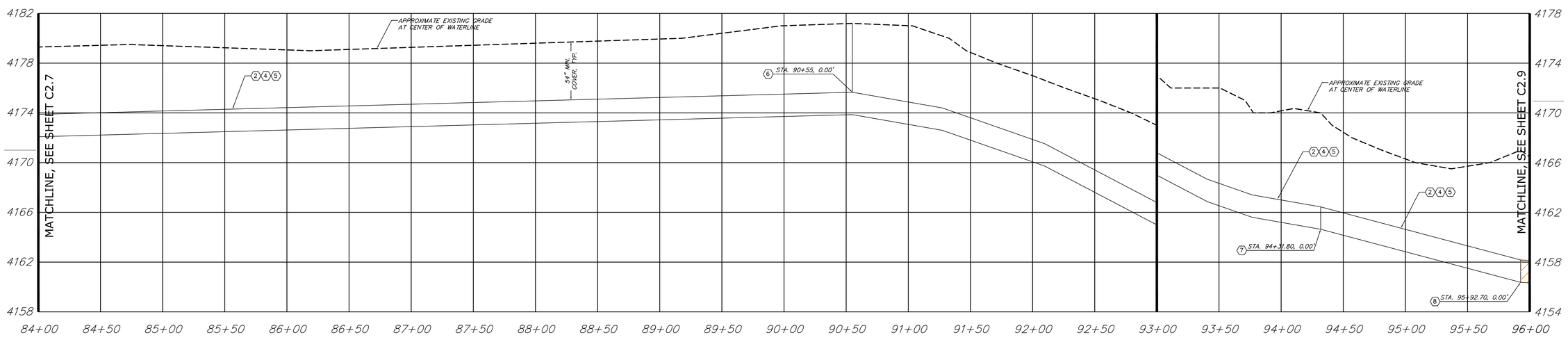
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 20" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
6. INSTALL AIR/VACUUM RELEASE ASSEMBLY, REFERENCE DETAIL SHEET
7. INSTALL 20" 22.5° AWWA C153 DUCTILE IRON HORIZONTAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLANDS FOR C905 PVC PIPE (2) OR ENGINEER APPROVED EQUAL. PROVIDE MINIMUM 7 LF PIPE LENGTH, NO JOINTS, INTO AND OUT OF BEND.
8. INSTALL 20" 22.5° AWWA C153 DUCTILE IRON HORIZONTAL BEND, MJ X MJ, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL AND EBAA IRON MEGALUG SERIES 1100 MECHANICAL JOINT RESTRAINT GLAND FOR DUCTILE IRON PIPE OR ENGINEER APPROVED EQUAL. PROVIDE MINIMUM 7 LF PIPE LENGTH, NO JOINTS, INTO AND OUT OF BEND.

WATERLINE EXTENSION PLAN
STA. 84+00 TO STA. 96+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 84+00 TO STA. 96+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C28

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DRAWN: N.D.J.
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CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: PRELIMINARY NOT FOR CONSTRUCTION

DESIGNER: TECTONICS DESIGN GROUP
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tel 775-824-9988
fax 775-824-9986

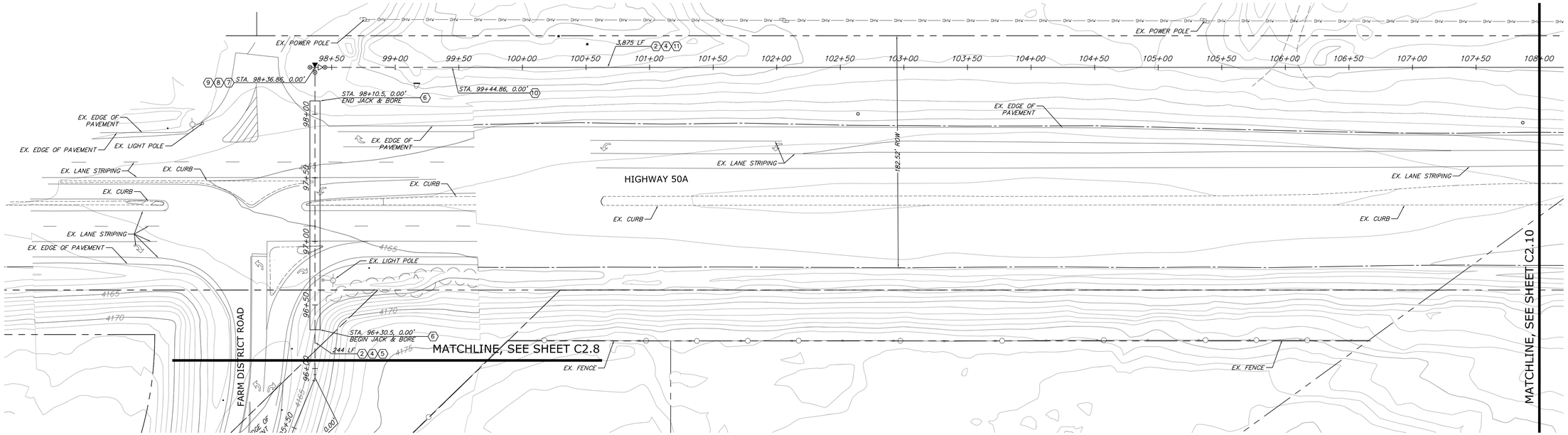
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
#: 13010
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 84+00 TO STA. 96+00

SHEET: C2.8



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

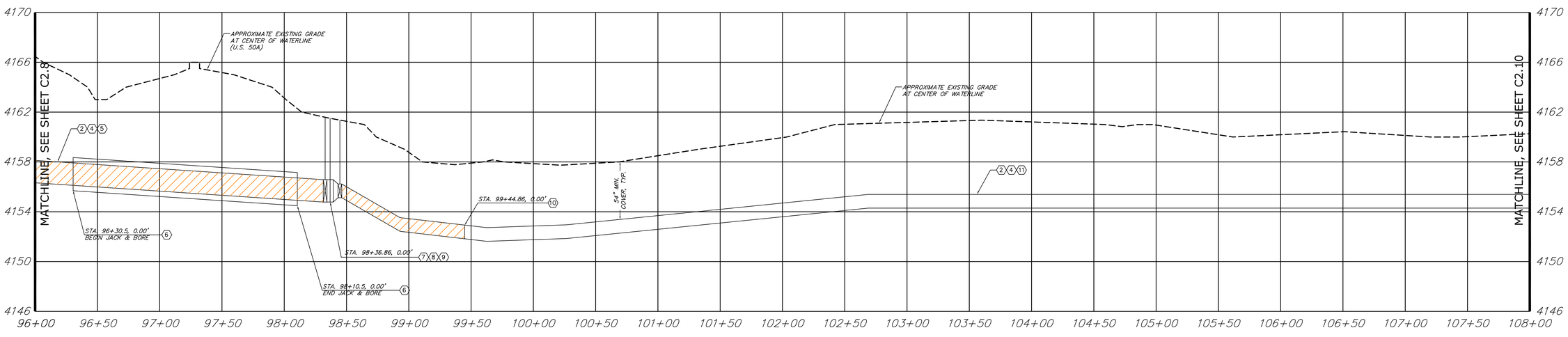
1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 244 LF 20" U.S. PIPE TR FLEX RESTRAINED-JOINT DUCTILE IRON PIPE, CARRIER PIPE WITHIN CASING, WITH CASING SPACERS AND END SEALS. REFERENCE DETAIL SHEET
6. JACK AND BORE CASING BENEATH U.S. 50A. INSTALL 180 LF 32"ø SCHEDULE 20 ASTM GRADE B STEEL PIPE, 0.5" WALL THICKNESS FOR CASING.
7. TEE FOR FUTURE 20" WATERLINE MAIN EXPANSION, INSTALL: 20" FLG DUCTILE IRON TEE, AWWA C110, WITH THRUST BLOCK; 20" X 12" FLG CONCENTRIC REDUCER, AWWA C110 (EAST); 12" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL (EAST); 20" DUCTILE IRON GATE VALVE, FLG X FLG, AWWA C515, WITH 20" DUCTILE IRON BLIND FLANGE (WEST) - STUB FOR FUTURE WATER MAIN; 20" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 1100 MECHANICAL JOINT RESTRAINT GLAND FOR DUCTILE IRON PIPE OR ENGINEER APPROVED EQUAL.
8. BEGIN RESTRAINED-JOINT PIPING

CONSTRUCTION NOTES (CONTINUED):

9. INSTALL 108 LF 12" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL
10. END RESTRAINED-JOINT PIPING
11. INSTALL 12" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS

WATERLINE EXTENSION PLAN
STA. 96+00 TO STA. 108+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 96+00 TO STA. 108+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C29

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DESIGNER:
DRAWN: N.D.J.
DESIGNED: M.K.R.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: PRELIMINARY NOT FOR CONSTRUCTION

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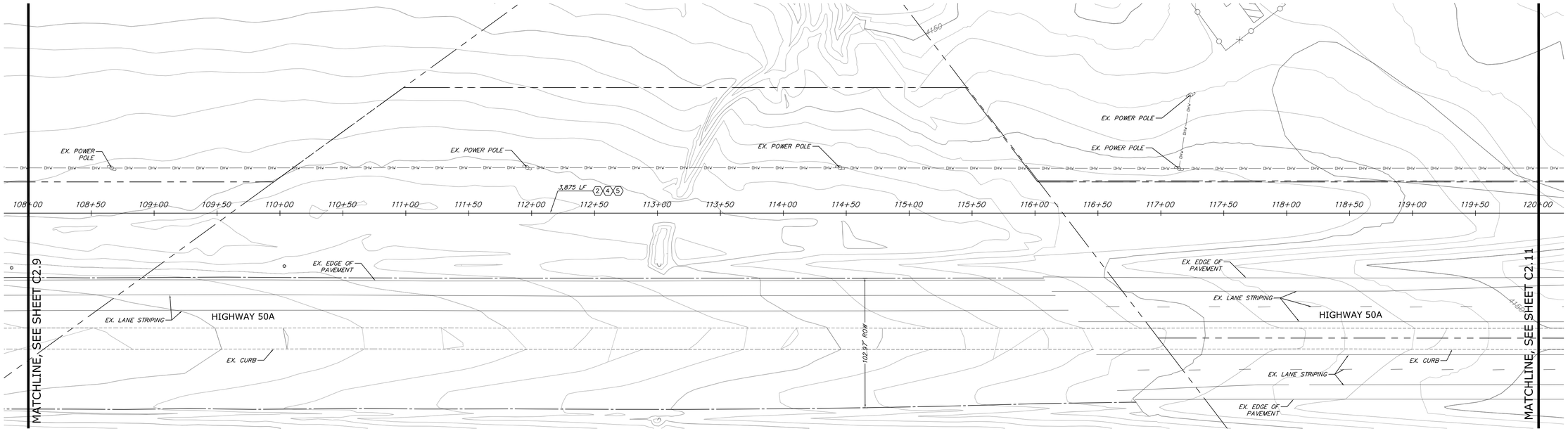
PROJECT/CLIENT:
GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington
: 13010

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 96+00 TO STA. 108+00

SHEET: C2.9



NOTES:

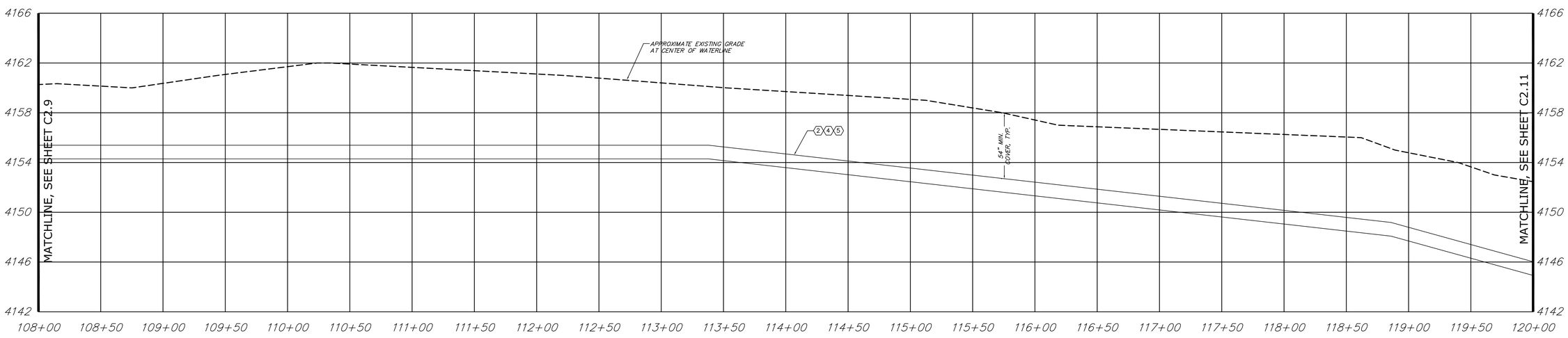
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

WATERLINE EXTENSION PLAN
STA. 108+00 TO STA. 120+00

SCALE: 1" = 40'-0"

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
2. CONSTRUCT WATERLINE TRENCH EXCAVATION & BACKFILL AS PER CITY OF FERNLEY DETAIL NUMBER 143
3. CONSTRUCT FIRE HYDRANT ASSEMBLY AS PER CITY OF FERNLEY DETAIL NUMBER 29
4. WATERLINE & WATERLINE FITTINGS SHALL BE CONSTRUCTED WITH THRUST RESTRAINT SYSTEM AS SPECIFIED IN THE DRAWINGS PER THE DESIGN CRITERIA LISTED IN THE GENERAL NOTES. THRUST BLOCKS, WHERE SPECIFIED, SHALL BE PER PER CITY OF FERNLEY DETAIL NUMBER 28.
5. INSTALL 12" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS



WATERLINE EXTENSION PROFILE
STA. 108+00 TO STA. 120+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C210

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DESIGNER: TECTONICS DESIGN GROUP
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tel 775-824-9988
fax 775-824-9986

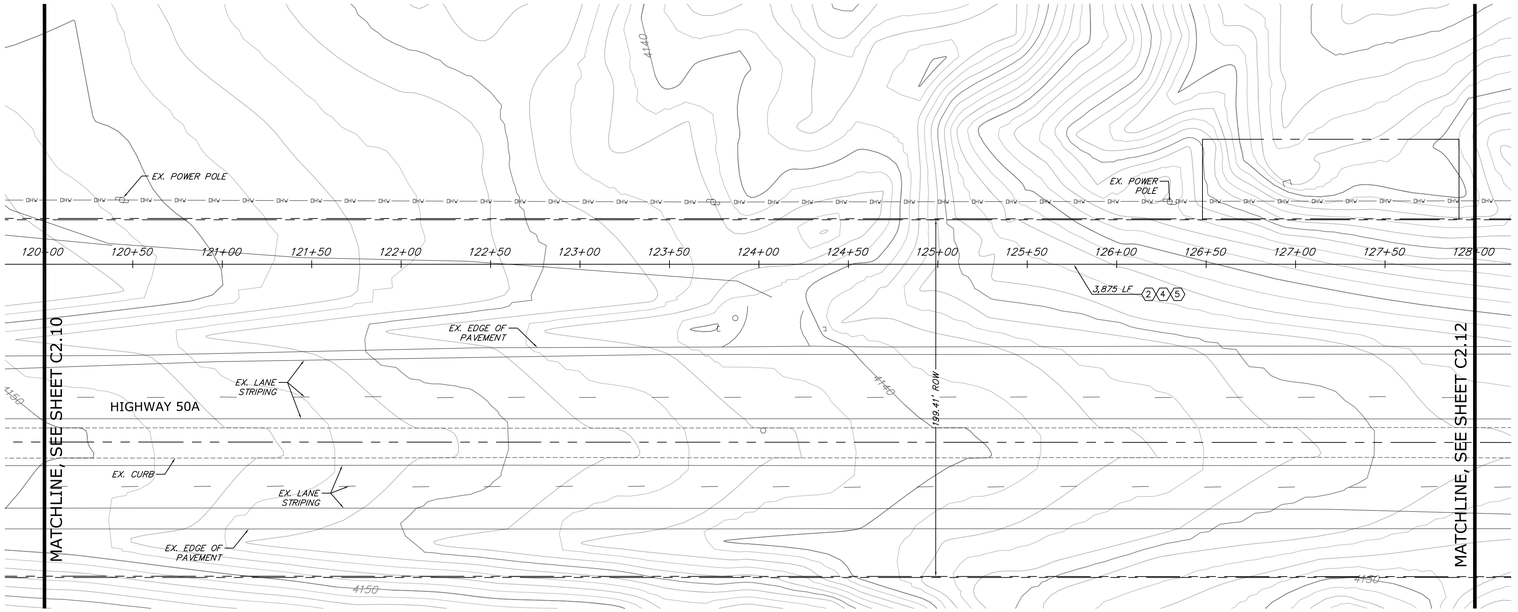
PROJECT/CLIENT: GreeNu Waterline Extension
Fernley, Nevada
#: 13010
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 108+00 TO STA. 120+00

SHEET: C2.10



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
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3. REFERENCE "LEGEND" ON SHEET C6.1
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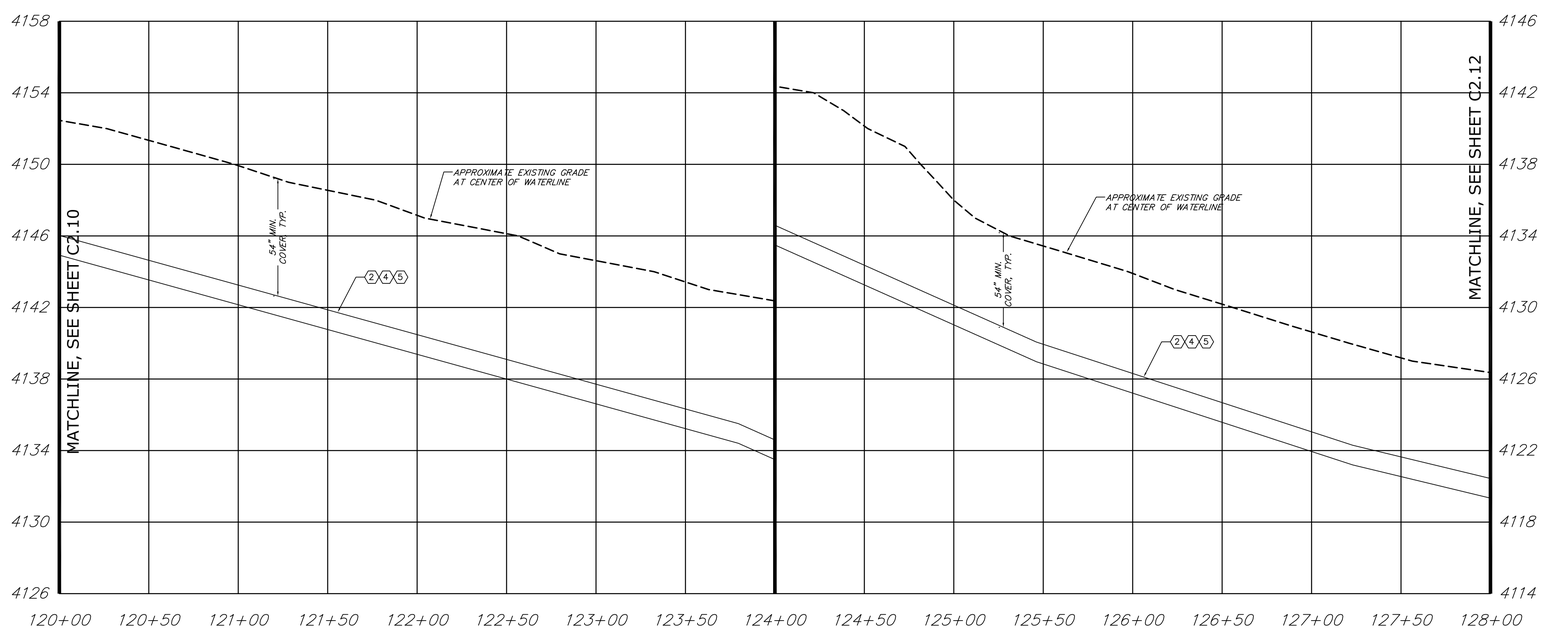
5. INSTALL 12" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS

WATERLINE EXTENSION PLAN
STA. 120+00 TO STA. 128+00

SCALE: 1" = 40'-0"



WATERLINE EXTENSION PROFILE
STA. 120+00 TO STA. 128+00

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C11

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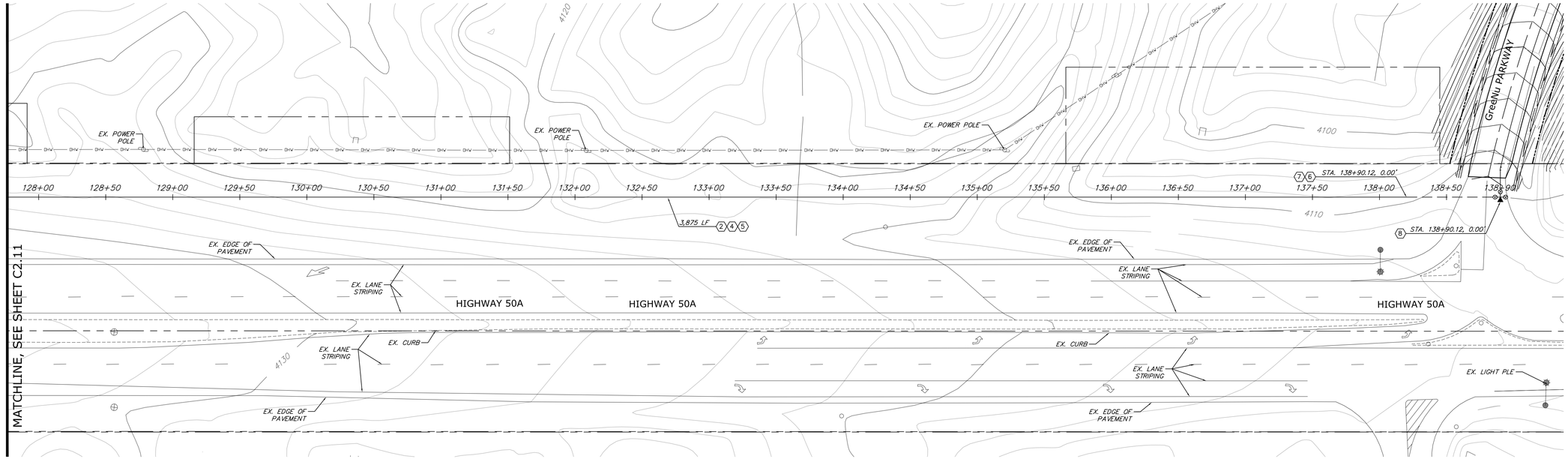
PROJECT/CLIENT:
#: 13010
GreeNu Waterline Extension
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 120+00 TO STA. 128+00

SHEET: C2.11



NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

WATERLINE EXTENSION PLAN
STA. 128+00 TO STA. 138+90

SCALE: 1" = 40'-0"

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD.
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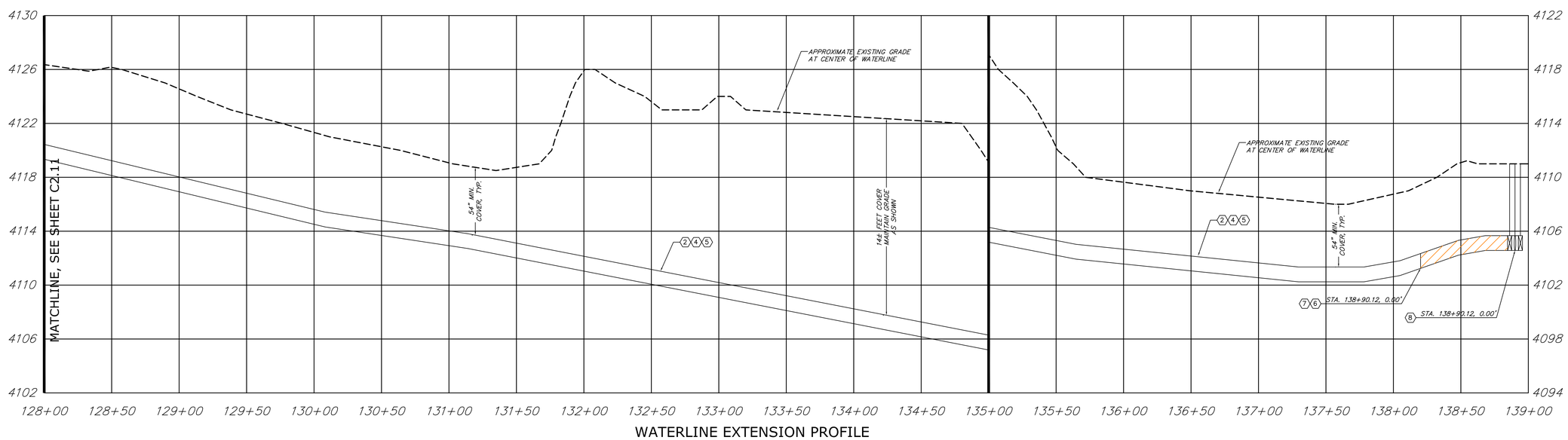
5. INSTALL 12" CL 235 DR-18 C905 PVC PIPE, LENGTH AS SHOWN ON PLANS
6. BEGIN RESTRAINED-JOINT PIPING
7. INSTALL 70 LF 12" CL 235 DR-18 C905 PVC PIPE. RESTRAIN EACH BELL AND SPIGOT JOINT WITH EBAA IRON SERIES 2800 BELL RESTRAINT HARNESS OR ENGINEER APPROVED EQUAL

CONSTRUCTION NOTES (CONTINUED):

8. TEE FOR FUTURE 12" WATERLINE MAIN EXPANSION, INSTALL: 12" FLG DUCTILE IRON TEE, AWWA C110, WITH THRUST BLOCK; 12" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL (WEST); 12" DUCTILE IRON GATE VALVE, FLG X FLG, AWWA C515, WITH 12" DUCTILE IRON BLIND FLANGE (EAST) – STUB FOR FUTURE WATER MAIN; 12" DUCTILE IRON GATE VALVE, FLG X MJ, AWWA C515, WITH EBAA IRON MEGALUG SERIES 2000PV MECHANICAL JOINT RESTRAINT GLAND FOR C905 PVC PIPE OR ENGINEER APPROVED EQUAL (NORTH). SEE GreeNu PARKWAY PLANS FOR EXTENSION OF 12" WATER MAIN.



WATERLINE EXTENSION PROFILE
STA. 128+00 TO STA. 138+90

SCALE: HORIZ: 1" = 40'-0" VERT:1"=4'-0"

1=40'-0" GREENU WATERLINE EXTENSION 13010_C11

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PROJECT/CLIENT: GreeNu Waterline Extension
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GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/30/14	NDEP PERMIT

SHEET TITLE: WATERLINE EXTENSION PLAN & PROFILE STA. 128+00 TO STA. 138+90

SHEET: C2.12

SCHEDULE B EXCEPTIONS FROM PRELIMINARY TITLE REPORT No. 164340-MI (6) PARCEL 1, DOL 241704

(5) PROVISIONS AS CONTAINED IN A DEED RECORDED IN BOOK 36 OF DEEDS, PAGE 63, AS DOCUMENT No. 57238, LYON COUNTY, NEVADA.

(DESCRIBES 200' R/W FOR STATE HIGHWAY ROUTE 2 (US-50A), PLOTTED HEREON)

(6) AN UNRECORDED MINERALS LEASE, AFFECTING THE PREMISES HEREIN, WAS EXECUTED BY AND BETWEEN THE PARTIES NAMED HEREIN, FOR THE TERM AND UPON THE TERMS, COVENANTS, AND CONDITIONS THEREIN PROVIDED, AS DISCLOSED BY MEMORANDUM OF MINERALS LEASE, RECORDED NOVEMBER 25, 1987, AS DOCUMENT No. 111935, OFFICIAL RECORDS, LYON COUNTY, NEVADA.
LESSOR: SOUTHERN PACIFIC LAND COMPANY, A CALIFORNIA CORPORATION
LESSEE: SFP MINERALS CORPORATION, A DELAWARE CORPORATION
TERM: 25 YEARS

THE PRESENT OWNERSHIP OF SAID LEASEHOLD AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN.

(BLANKET IN NATURE OVER THE W1/2 OF SECTION 29, T.20N., R.26E., M.D.M.,)

(7) A MEMORANDUM OF EXPLORATION AGREEMENT AND OPTION TO LEASE, ON THE TERMS AND CONDITIONS AS CONTAINED THEREIN, RECORDED OCTOBER 24, 1991, AS DOCUMENT No. 146031, OFFICIAL RECORDS, LYON COUNTY, NEVADA.
DATED: NOVEMBER 29, 1990
BY AND BETWEEN: THE ATCHISON, TOPEKA AND SANTE FE RAILWAY COMPANY, A DELAWARE CORPORATION AND SANTE FE PACIFIC MINERALS CORPORATION, A DELAWARE CORPORATION.

(BLANKET IN NATURE OVER THE W1/2 OF SECTION 29, T.20N., R.26E., M.D.M.,)

(8) AN EASEMENT AS GRANTED TO SIERRA PACIFIC POWER COMPANY, A NEVADA CORPORATION, TO CONSTRUCT, OPERATE AND MAINTAIN ELECTRIC POWER AND COMMUNICATION FACILITIES AND INCIDENTAL PURPOSES, BY INSTRUMENT RECORDED MAY 19, 1998, AS DOCUMENT No. 218982 AND RE-RECORDED NOVEMBER 30, 1999, AS DOCUMENT No. 241814, OFFICIAL RECORDS, LYON COUNTY, NEVADA.

(PLOTTED HEREON)

(9) A MEMORANDUM OF AGREEMENT, ON THE TERMS AND CONDITIONS AS CONTAINED THEREIN, RECORDED JUNE 18, 1998, AS DOCUMENT No. 220282, OFFICIAL RECORDS, LYON COUNTY, NEVADA.
DATED: MAY 22, 1998
TERM: 5 YEARS, WITH 5 SUCCESSIVE 5 YEAR OPTIONS TO RENEW
LESSOR: NEVADA LAND & RESOURCE COMPANY, LLC, A DELAWARE LIMITED LIABILITY COMPANY
LESSEE: NEXTEL OF CALIFORNIA, INC., A DELAWARE CORPORATION, D/B/A NEXTEL COMMUNICATIONS

(PLOTTED HEREON)

(10) THE EFFECT OF A RECORD OF SURVEY, AND THE PROVISIONS, DEDICATIONS, EASEMENTS AND NOTES CONTAINED THEREON, RECORDED NOVEMBER 24, 1999, AS DOCUMENT No. 241704, OFFICIAL RECORDS OF LYON COUNTY, NEVADA.

(PARCEL A SHOWN HEREON)

(11) RESERVATIONS AND EASEMENTS AS CONTAINED IN A DEED RECORDED MARCH 31, 2000, AS DOCUMENT No. 246248, OFFICIAL RECORDS, LYON COUNTY, NEVADA.

(BLANKET IN NATURE OVER PARCEL A)

(13) A PERPETUAL EASEMENT AND RIGHT OF WAY AND WAIVER OF DAMAGES IN FAVOR OF THE STATE OF NEVADA, ACTING BY AND THOUGH ITS DEPARTMENT OF TRANSPORTATION, FOR ANY AND ALL DAMAGES TO SAID LAND BY REASON OF THE LOCATION, CONSTRUCTION, LANDSCAPING OR MAINTENANCE OF A PUBLIC HIGHWAY CONTIGUOUS TO SAID LAND, AS CONTAINED IN THE INSTRUMENT RECORDED MAY 2, 2005, AS DOCUMENT No. 349615, OFFICIAL RECORDS, LYON COUNTY, NEVADA.

(PLOTTED HEREON)

SCHEDULE B EXCEPTIONS FROM PRELIMINARY TITLE REPORT No. 164339-MI △6 PARCEL 1, DOL 326778

△6 RESERVATIONS, PROVISIONS, CONDITIONS AND STIPULATIONS CONTAINED IN PATENT
RECORDED: JANUARY 26, 1897 IN BOOK 6, PAGE 1, MISCELLANEOUS RECORDS, CHURCHILL COUNTY, NEVADA.

(BLANKET IN NATURE, DESCRIBES ALL OF SECTION 29, T.20N., R.26E., M.D.M.,)

△7 AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED OCTOBER 22, 1949 IN BOOK 28, PAGE 577, UNDER DOCUMENT No. 71558 OF DEED RECORDS, CHURCHILL COUNTY, NEVADA.
IN FAVOR OF: STATE OF NEVADA
FOR: PUBLIC HIGHWAY OR STREET

(DESCRIBES 200' R/W FOR STATE HIGHWAY ROUTE 2 (US-50A), PLOTTED HEREON)

△8 MATTERS AS CONTAINED IN THE MEMORANDUM OF MINERAL LEASE BY AND BETWEEN SOUTHERN PACIFIC LAND COMPANY, A CALIFORNIA CORPORATION AND SFP MINERALS CORPORATION, A DELAWARE CORPORATION RECORDED NOVEMBER 25, 1987, UNDER DOCUMENT No. 233000, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(BLANKET IN NATURE OVER THE E1/2 OF SECTION 29, T.20N., R.26E, M.D.M.,)
(EXCEPTING RIGHT-OF-WAY)

△9 MATTERS AS CONTAINED IN THE MEMORANDUM OF EXPLORATION AGREEMENT AND OPTION TO LEASE BY AND BETWEEN ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPANY, A DELAWARE CORPORATION AND SANTA FE PACIFIC MINERALS CORPORATION, A DELAWARE CORPORATION RECORDED OCTOBER 21, 1991, UNDER DOCUMENT NO. 263488, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

MATTERS AS CONTAINED IN THE MEMORANDUM OF EXPLORATION AGREEMENT AND OPTION TO LEASE BY AND BETWEEN ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPANY, A DELAWARE CORPORATION AND SANTA FE PACIFIC MINERALS CORPORATION, A DELAWARE CORPORATION RECORDED FEBRUARY 3, 1992, UNDER DOCUMENT No. 265671, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(BLANKET IN NATURE OVER THE E1/2 OF SECTION 29, T.20N., R.26E, M.D.M.,)
(EXCEPTING R/R RIGHT-OF-WAY)

△10 EASEMENTS, RIGHTS OF WAY AND ANY AND ALL MATTERS AS DISCLOSED OR DEDICATED ON THE MAP OF DIVISION INTO LARGE PARCELS MAP FOR NEVADA LAND AND RESOURCE COMPANY, L.L.C., RECORDED JANUARY 4, 2000, UNDER FILE No. 326788, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(PLOTTED HEREON)

△11 A MEMORANDUM OF EASEMENT AGREEMENT DATED MARCH 17, 2000, BY AND BETWEEN NEVADA LAND AND RESOURCE COMPANY, LLC, A DELAWARE LIMITED LIABILITY COMPANY AND SFPP, L.P., A DELAWARE LIMITED PARTNERSHIP AND ITS SUCCESSORS AND ASSIGNS, RECORDED MARCH 24, 2000, DOCUMENT No. 328138, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(PLOTTED HEREON)

△12 SUBJECT TO RESERVATIONS AND EASEMENTS AS CREATED ON THE GRANT, BARGAIN AND SALE DEED BY AND BETWEEN NEVADA LAND AND RESOURCE COMPANY, LLC, A DELAWARE LIMITED LIABILITY COMPANY AND INTERMOUNTAIN ASPHALT SUPPLY, LLC, A COLORADO LIMITED LIABILITY COMPANY RECORDED MARCH 31, 2000, UNDER FILE No. 328250, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(BLANKET IN NATURE OVER PARCEL 1, DOL #326788)

△14 MATTERS AS CONTAINED IN NOTICE OF FINAL ACTION, DECISION OR ORDER OF THE CHURCHILL COUNTY PLANNING COMMISSION RECORDED FEBRUARY 22, 2005, AS DOCUMENT No. 368522, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

(BLANKET IN NATURE OVER APN 009-251-33)

SURVEYOR'S STATEMENTS

OPTIONAL TABLE A ITEMS:

2. VICINITY MAP IS SHOWN ON SHEET 1 OF 2.

3. BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS LOCATED IN ZONE C OF THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 75 OF 725 No. 320029 0075 C, LYON COUNTY, NEVADA, WHICH BEARS AN EFFECTIVE DATE OF NOVEMBER 20, 1998, AND PANEL 625 OF 1275 No. 320030 0625 C, CHURCHILL COUNTY, NEVADA, WHICH BEARS AN EFFECTIVE DATE OF NOVEMBER 15, 1985, REPRESENTS AREAS OF MINIMAL FLOODING AS SHOWN ON SAID COMMUNITY PANEL.

4. THE LAND AREA OF PARCEL A OF RECORD OF SURVEY MAP, FILE No. 241704 IS 83.30± ACRES, PARCEL A OF DIVISION OF LARGE PARCELS MAP, FILE No. 326788 IS 79.17± ACRES & PARCEL B OF DIVISION OF LARGE PARCELS MAP, FILE No. 326788 IS 84.62± ACRES.

5. CONTOURS AND DATUM ELEVATIONS ARE SHOWN ON SHEET 4 THROUGH 9.

6. BUILDING LOCATIONS ARE SHOWN ON SHEET 6 THROUGH 9.

7A. THE EXTERIOR FOOTPRINT DIMENSIONS FOR ALL BUILDINGS ARE SHOWN ON SHEET 6 OF 9.

7(b)(1) EXTERIOR FOOTPRINTS OF ALL BUILDINGS AT GROUND LEVEL ARE SHOWN ON SHEET 6 OF 9.

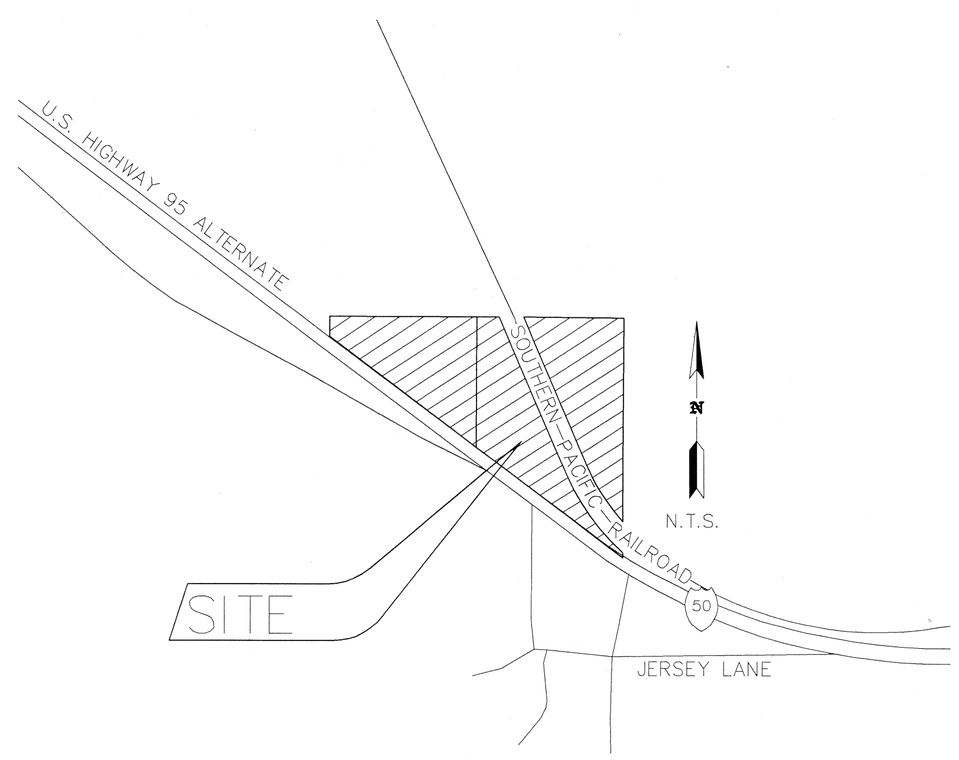
8. VISIBLE IMPROVEMENTS TO THIS SITE ARE SHOWN ON SHEET 4 THROUGH 9.

10. THE SUBJECT PARCEL IS ADJACENT TO US HIGHWAY 95 (200' WIDE) TO THE SOUTH. NO PERMANENT ACCESS TO THESE ROADWAYS HAS BEEN CONSTRUCTED AT THE TIME OF THIS SURVEY.

11(a).OBSERVABLE EVIDENCE OF UTILITY LOCATIONS ARE SHOWN ON SHEET 4 THROUGH 9.

13. THE NAMES OF ADJACENT OWNERS TO THE SUBJECT PROPERTY ARE SHOWN ON SHEET 2 OF 9.

15. RECTIFIED ORTHOPHOTOGRAPHY IS OVERLAID TO THE PARCEL BOUNDARIES ON SHEETS 3 & 4.



VICINITY MAP

N.T.S.

LEGAL DESCRIPTION

PARCEL 1:
PRELIMINARY TITLE REPORT No. 164340-MI

ALL THAT CERTAIN REAL PROPERTY SITUATE IN THE COUNTY OF LYON, STATE OF NEVADA, DESCRIBED AS FOLLOWS:

ALL THAT CERTAIN REAL PROPERTY BEING THAT PORTION OF THE WEST 1/2 OF SECTION 29, T 20 N, R 26 E, LYING NORTH OF HIGHWAY 50 ALT, AS FURTHER DELINEATED ON RECORD OF SURVEY MAP RECORDED NOVEMBER 24, 1999, AS DOCUMENT No. 241704, OFFICIAL RECORDS OF LYON COUNTY, NEVADA.

PARCEL 2:
PRELIMINARY TITLE REPORT No. 164339-MI

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND SITUATE IN THE COUNTY OF CHURCHILL, STATE OF NEVADA, DESCRIBED AS FOLLOWS:

PARCEL 1 OF DIVISION INTO LARGE PARCELS MAP FOR NEVADA LAND AND RESOURCE COMPANY, LLC, RECORDED JANUARY 4, 2000 UNDER DOCUMENT No. 326788, OFFICIAL RECORDS, CHURCHILL COUNTY, NEVADA.

NOTES

N1. DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS UNLESS OTHERWISE NOTED.

N2. UTILITY LOCATIONS ARE TAKEN FROM SURFACE LOCATIONS, UNDERGROUND LOCATIONS OF UTILITIES SHOULD BE VERIFIED PRIOR TO ANY EXCAVATIONS.

N3. TITLE TO THE PARCELS SHOWN HEREON ARE VESTED IN WESTERN NEVADA RAIL PARK, LLC AS SHOWN IN THE REFERENCED PRELIMINARY TITLE REPORTS.

N4. THE CONTOURS, VISIBLE IMPROVEMENTS AND ORTHOPHOTOGRAPHY SHOWN ON SHEETS 3 THROUGH 9 WERE OBTAINED USING PHOTOGRAMMETRIC METHODS. DATE OF PHOTO NOVEMBER 21, 2007

REFERENCES

1) RECORD OF SURVEY MAP FOR NEVADA LAND AND RESOURCE COMPANY L.L.C., FILE NO. 241704 IN THE OFFICIAL RECORDS OF LYON COUNTY, NEVADA.
2) MAP OF DIVISION INTO LARGE PARCELS FOR NEVADA LAND AND RESOURCE COMPANY L.L.C., FILE No. 326788 IN THE OFFICIAL RECORDS OF LYON COUNTY, NEVADA.
3) TITLE INSURANCE PRELIMINARY TITLE REPORT AS PREPARED BY FIRST CENTENNIAL TITLE COMPANY OF NEVADA, ORDER No. 164340-MI., DATED NOVEMBER 13, 2007, AND THE DOCUMENTS AS REFERENCED THEREIN.
4) TITLE INSURANCE PRELIMINARY TITLE REPORT AS PREPARED BY WESTERN NEVADA TITLE COMPANY OF NEVADA, ORDER NO. 164339-MI., DATED NOVEMBER 27, 2007, AND THE DOCUMENTS AS REFERENCED THEREIN.
5) STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION RIGHT OF WAY PLANS, PROJECT No. NH-050-A(002), E.A. No. 72789, DATED DECEMBER 20, 2004.

SURVEYOR'S CERTIFICATE

TO:

AMERICAN READY MIX
FIRST CENTENNIAL TITLE COMPANY OF NEVADA
WESTERN NEVADA TITLE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2005, AND INCLUDES ITEMS 2, 3, 4, 5, 6, 7(A), 7(B)(1), 8, 10, 11(A), 13 AND 15 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS, AND IN EFFECT ON THE DATE OF THIS CERTIFICATION. UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF NEVADA, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN. THE EASEMENTS AND OTHER RECORDED DATA SHOWN HEREON WERE OBTAINED FROM PRELIMINARY TITLE REPORTS AS PREPARED BY FIRST CENTENNIAL TITLE COMPANY OF NEVADA, ORDER No. 164340-MI, DATED AS OF NOVEMBER 13, 2007, AND ORDER NO. 164339-MI, DATED AS OF NOVEMBER 27, 2007. THE CERTIFYING SURVEYOR HAS NOT MADE AN INDEPENDENT TITLE SEARCH AND HAS RELIED UPON THE SUPPLIED DOCUMENTS AND SPECIFICALLY DISCLAIMS ANY ITEMS NOT SHOWN WHICH MAY OR MAY NOT BE OF RECORD WHICH MAY AFFECT THE PROPERTY SHOWN ON THIS SURVEY. THIS SURVEY WAS COMPLETED ON DEC. 7, 2007.

PROFESSIONAL LAND SURVEYOR
DAVID C. CROOK
Exp. 12/31/08
STATE OF NEVADA
No. 10836

12/07/07

DAVID C. CROOK, P.L.S.
NEVADA CERTIFICATE NO. 10836

TRI STATE SURVEYING, LTD
1925 E. PRATER WAY
SPARKS, NEVADA 89434
(775) 358-9491 * FAX 358-3664
Land Information Solutions

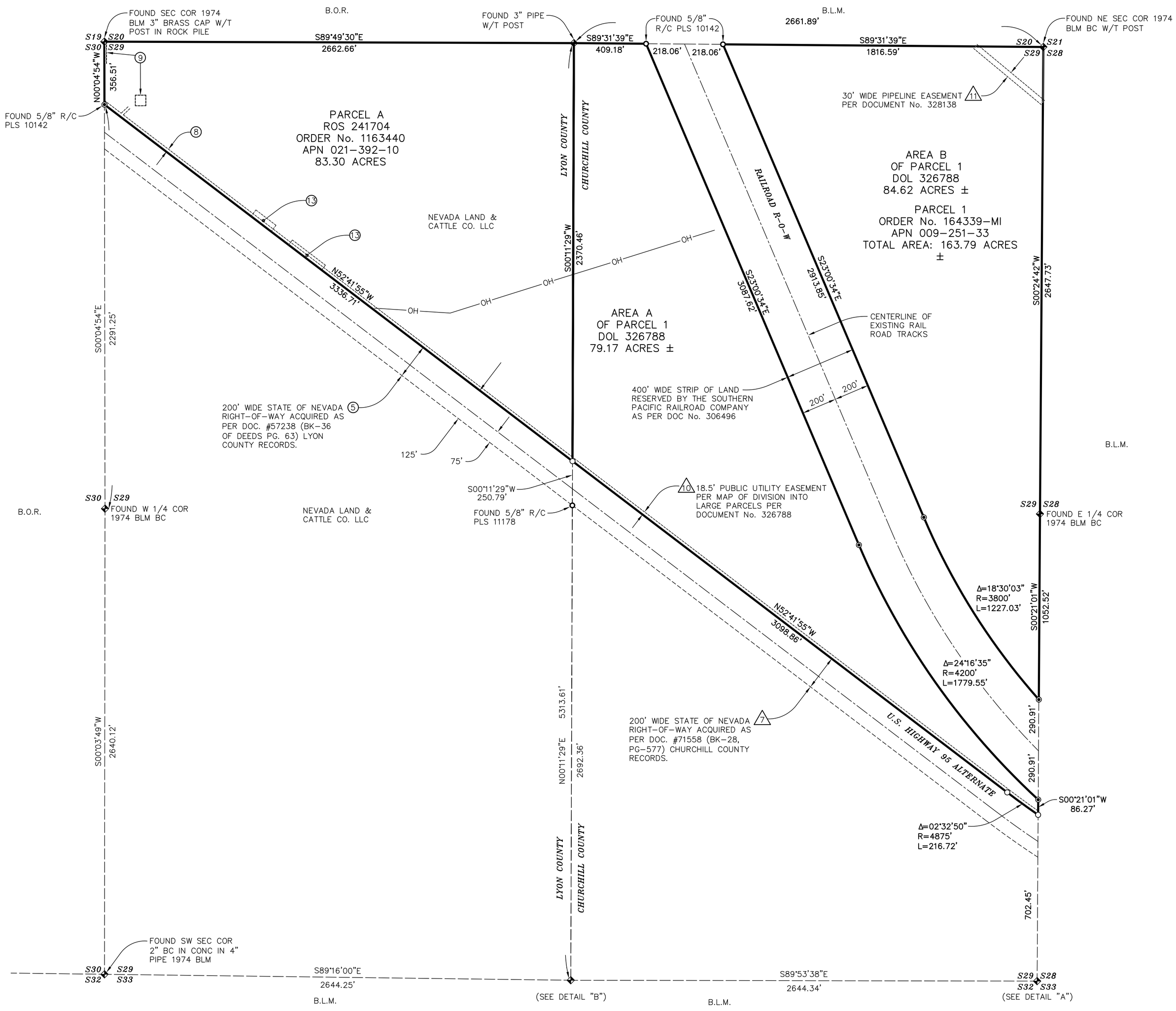
MARK	DATE	REVISIONS	BY

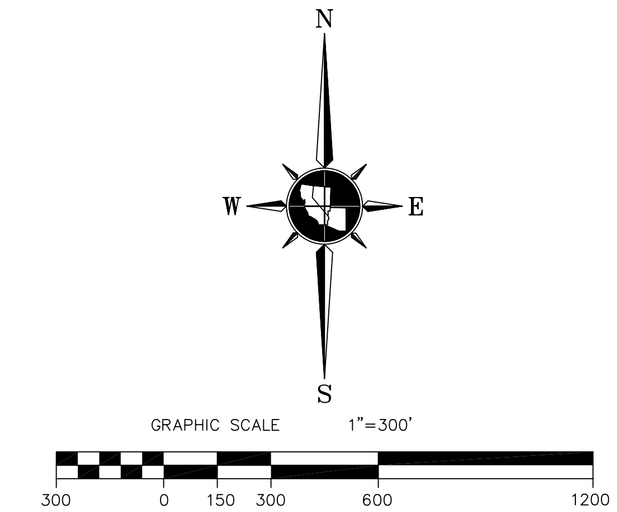
BENCHMARK

DESIGNED BY CWV | DRAWN BY CWV
CHECKED BY DCC | DATE SURVEYED 11/20/2007
APPROVED BY DCC | NO. 10836

ALTA/ACSM LAND TITLE SURVEY
FOR
AMERICAN READY MIX
PARCEL A AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1 AS SHOWN ON DIVISIONS INTO LARGE PARCELS MAP No. 326788
SITUATE IN PORTIONS OF THE EAST 1/2 OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM
DATE 12/5/07





BASIS OF BEARINGS

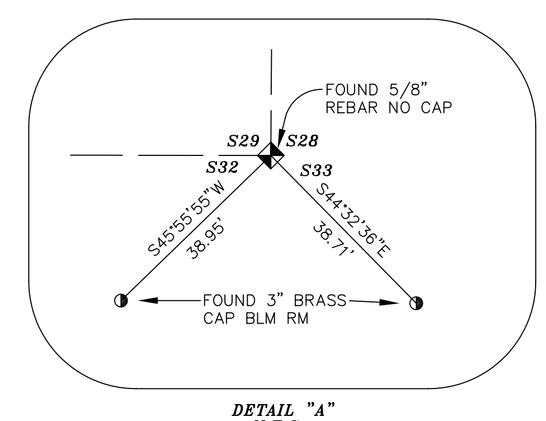
THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

BASIS OF ELEVATIONS

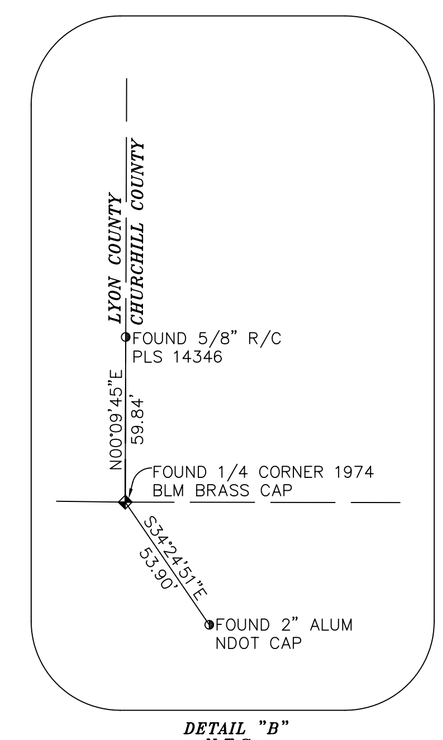
NORTH AMERICAN VERTICAL DATUM OF 1988, GEIOD03, BASED ON (NAVD88/GEOI003) NEVADA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENT 470988 M, WITH AN ELEVATION OF 4069.84 FEET.

LEGEND

- SUBJECT BOUNDARY LINE
- SECTION LINE
- OH — OVERHEAD POWER LINE
- CENTER LINE
- EASEMENT LINE
- SECTIONAL CORNER, AS DESCRIBED
- FOUND 5/8 REBAR & CAP, PLS 10836
- FOUND MONUMENT AS DESCRIBED
- DIMENSION POINT, NOTHING FOUND OR SET
- SECTION CORNER AS DESCIRBED
- (6) SCHEDULE "B" EXCEPTION ITEM (PER TITLE COMMITMENT REFERENCED HEREON)
- △6 SCHEDULE "B" EXCEPTION ITEM (PER TITLE COMMITMENT REFERENCED HEREON)



DETAIL "A"
N.T.S.



DETAIL "B"
N.T.S.

TOTAL AREA: 247.09±

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JOB NO. 07499.01.RM
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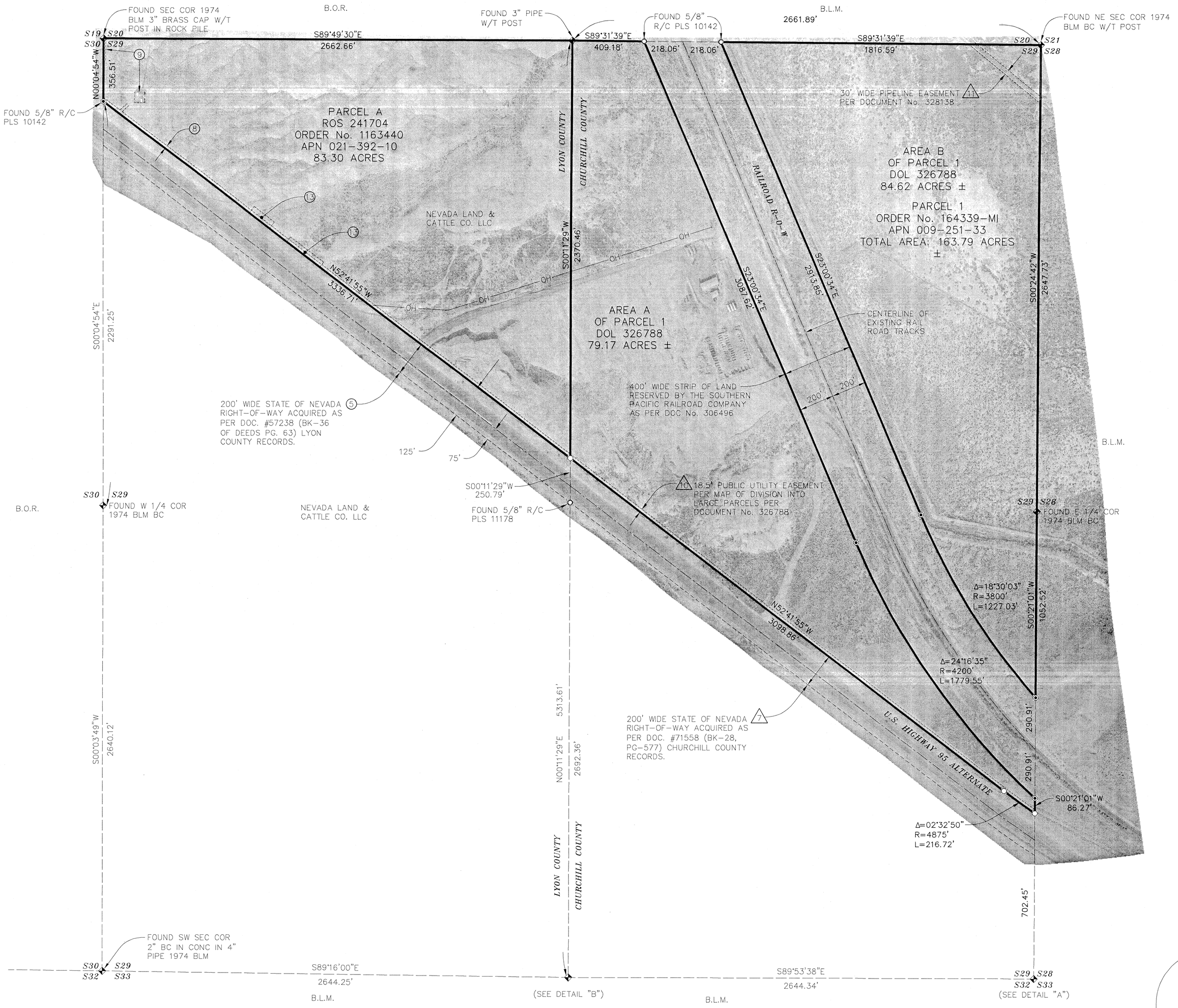
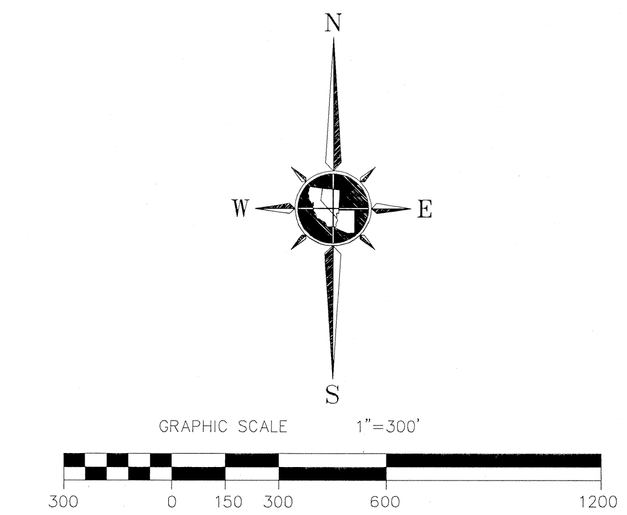
SHEET 2 OF 9





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BASIS OF ELEVATIONS

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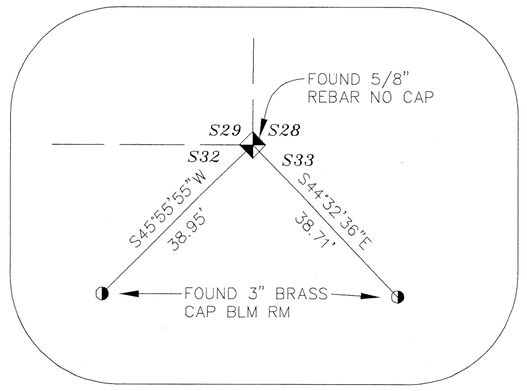

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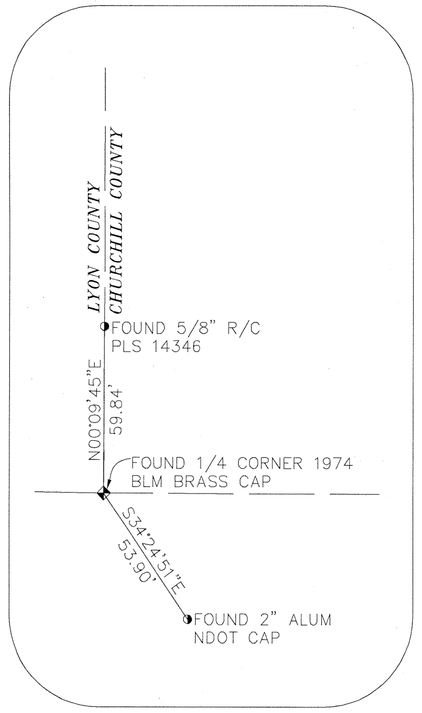

DETAIL "B"
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ALTA/ACSM LAND TITLE SURVEY FOR AMERICAN READY MIX

PARCEL A AS SHOWN ON RECORD OF SURVEY MAP No. 241704
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SITUATE IN PORTIONS OF THE EAST 1/2 OF SECTION 29,
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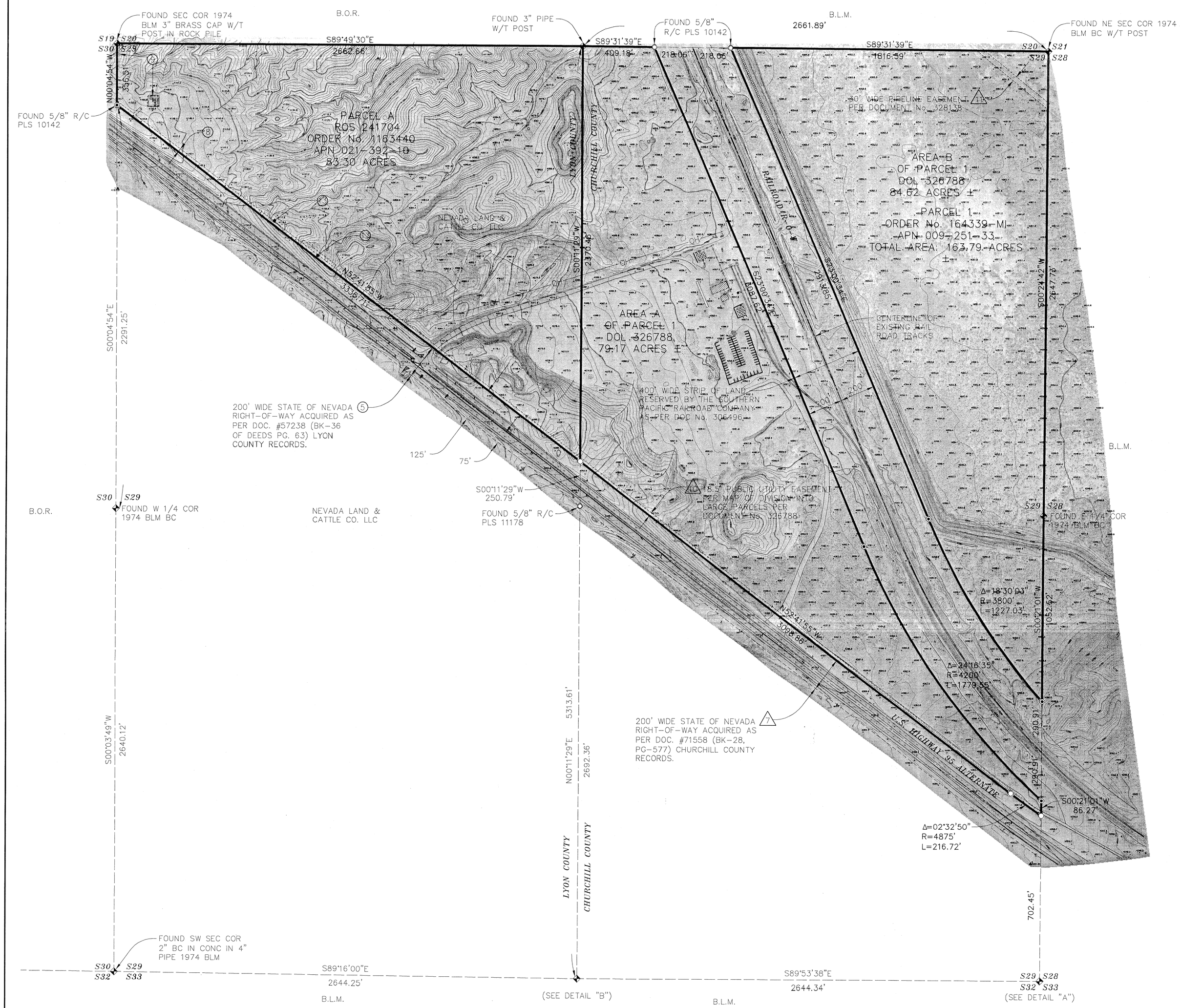
SHEET 3 OF 9



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LEGEND FOR NON-ANNOTATED FEATURES:

- INDEX CONTOUR
- APPROXIMATE INDEX
- INDEX DEPRESSION
- INTERMEDIATE CONTOUR
- APPROXIMATE INTERMEDIATE
- INTERMEDIATE DEPRESSION
- EDGE OF PAVEMENT
- DIRT ROAD
- JEEP/FOOT TRAIL
- CURB LINE
- GUTTER/CONCRETE EDGE
- GUARD-RAIL
- RAILROAD
- FENCE
- RETAINING WALL
- FENCE ON RW
- BLOCK WALL
- MEDIAN WALL
- STONE WALL
- TRENCH/STOPE
- TAILINGS/TOE
- PIPELINE
- WATER EDGE
- INTERMITTENT DRAINAGE
- DITCH
- MISCELLANEOUS BOUNDARIES
- SHEET BOUNDARIES
- TREELINE
- BRUSHLINE
- N,E,Z CONTROL POINT
- Z ONLY CONTROL POINT
- SURVEY MONUMENT
- POWER POLES
- POLE ANCHOR
- TRANSMISSION TOWER
- LIGHT POLE
- P POST ⊙POLE
- S SIGN
- FH FIRE HYDRANT
- MH MANHOLE
- V VALVE COVER
- TRAFFIC SIGNAL
- R.R./CROSSWALK SIGNAL
- MB MAIL BOX
- MISC. OBJECT
- METER
- MARSH
- PROSPECT/EXCAVATION
- SHAFT
- UTIL. VAULT/BOX
- METER BOX
- BUILDING
- DECK
- COVERED AREA
- SHED
- U/C BLDG. UNDER CONSTR.

N
W E
S

GRAPHIC SCALE 1"=300'

300 0 150 300 600 1200

BASIS OF BEARINGS

THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

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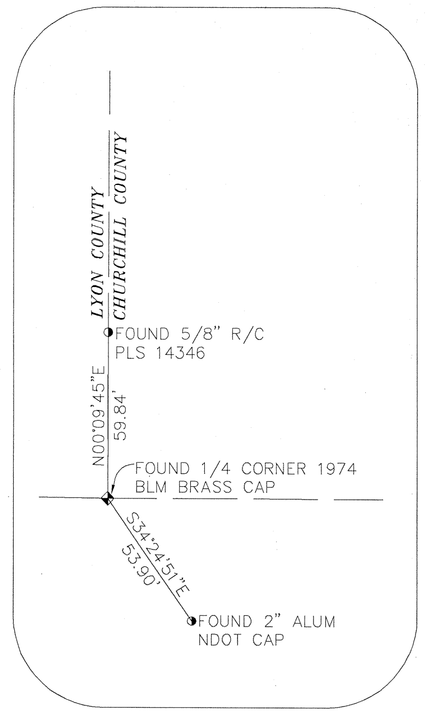

DETAIL "B"
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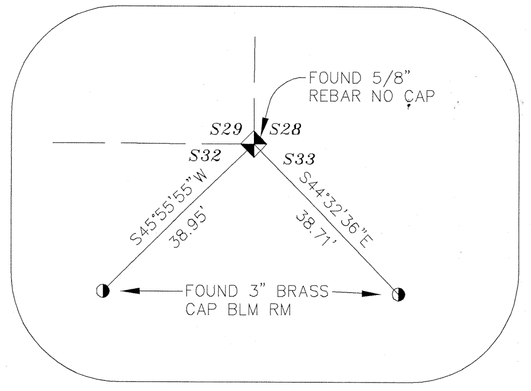

DETAIL "A"
N.T.S.

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(775) 358-9491 * FAX 358-3664

BY	REVISIONS	MARK	DATE

BENCHMARK

DESIGNED BY	CWV	DRAWN BY	CWV
CHECKED BY	DCC	DATE SURVEYED	11/20/2007
APPROVED BY	DCC	NO. 10836	

ALTA/ACSM LAND TITLE SURVEY
FOR
AMERICAN READY MIX

PARCEL A AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1 AS SHOWN ON DIVISIONS INTO LARGE PARCELS MAP No. 326788
SITUATE IN PORTIONS OF THE EAST 1/2 OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 4 OF 9

LEGEND

- SUBJECT BOUNDARY LINE
- SECTION LINE
- OH — OVERHEAD POWER LINE
- CENTER LINE
- EASEMENT LINE
- SECTIONAL CORNER, AS DESCRIBED
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- STONE WALL
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- MISC. OBJECT
- METER
- MARSH
- PROSPECT/EXCAVATION
- SHAFT
- UTIL. VAULT/BOX
- METER BOX
- BUILDING
- DECK
- COVERED AREA
- SHED
- U/C BLDG. UNDER CONSTR.

N
W E
S

GRAPHIC SCALE 1"=100'

100 0 50 100 200 400

BASIS OF BEARINGS

THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

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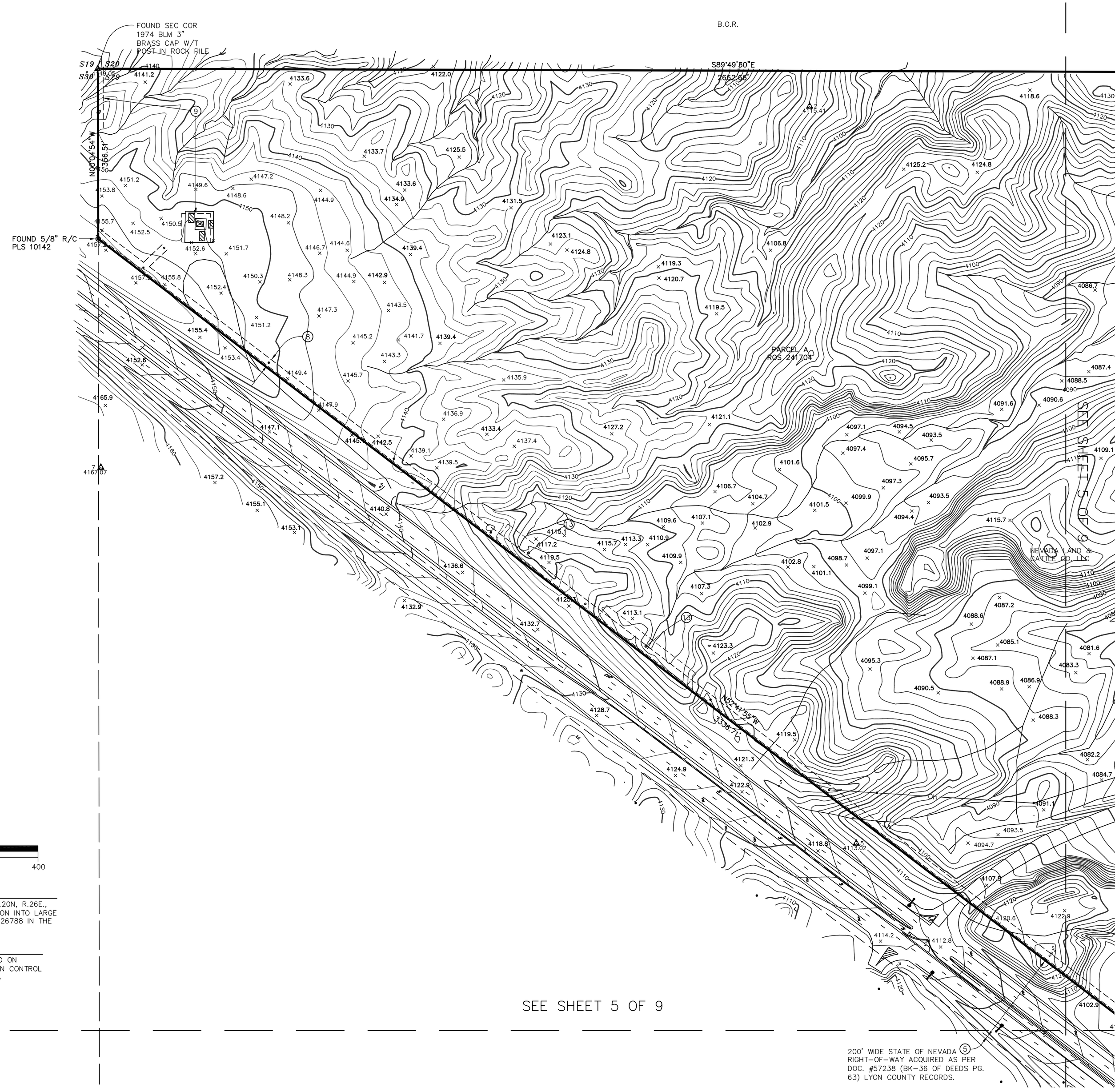
NORTH AMERICAN VERTICAL DATUM OF 1988, GEIOD03, BASED ON (NAVD88/GEOI003) NEVADA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENT 470988 M, WITH AN ELEVATION OF 4069.84 FEET.



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(775) 358-9491 * FAX 358-3664
Land Information Solutions

BY	REVISIONS	MARK	DATE

BENCHMARK

DESIGNED BY	CWV	DRAWN BY	CWV
CHECKED BY	DCC	DATE SURVEYED	11/20/2007
APPROVED BY	DCC	NO. 10836	

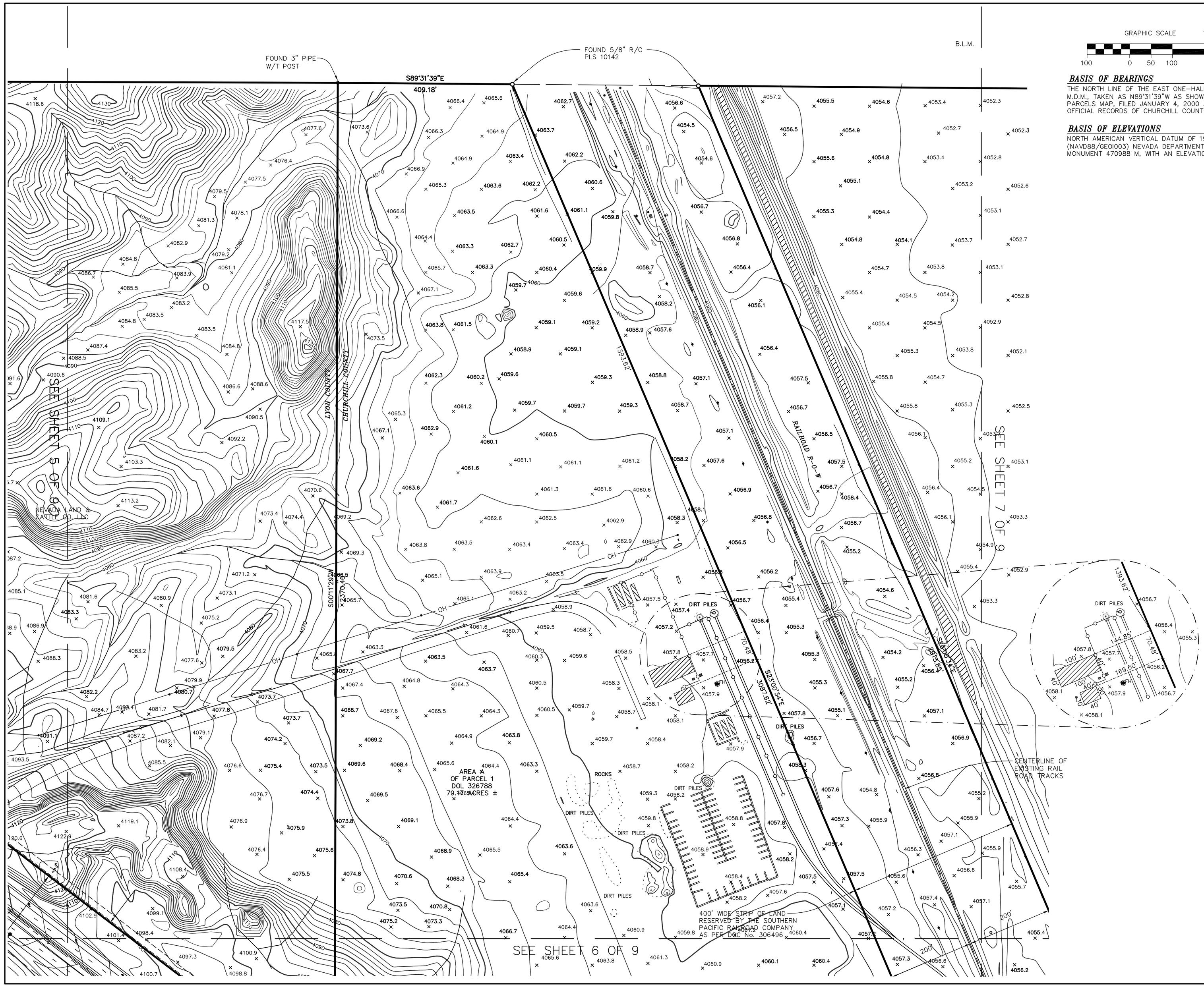
ALTA/ACSM LAND TITLE SURVEY FOR AMERICAN READY MIX

PARCEL A AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1 AS SHOWN ON DIVISION INTO LARGE PARCELS MAP No. 326788
SITUATE IN THE SOUTHWEST 1/4 OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 5 OF 9



GRAPHIC SCALE 1"=100'

100 0 50 100 200 400

N
W E
S

BASIS OF BEARINGS

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- CURB LINE
- GUTTER/CONCRETE EDGE
- GUARD-RAIL
- RAILROAD
- FENCE
- RETAINING WALL
- FENCE ON RW
- BLOCK WALL
- MEDIAN WALL
- STONE WALL
- TRENCH/STOPE
- TAILINGS/TOE
- PIPELINE
- WATER EDGE
- INTERMITTENT DRAINAGE
- DITCH
- MISCELLANEOUS BOUNDARIES
- SHEET BOUNDARIES
- TREELINE
- BRUSHLINE
- N,E,Z CONTROL POINT
- Z ONLY CONTROL POINT
- SURVEY MONUMENT
- POWER POLES
- POLE ANCHOR
- TRANSMISSION TOWER
- LIGHT POLE
- P POST
- POLE
- SIGN
- FH FIRE HYDRANT
- MH MANHOLE
- V VALVE COVER
- TRAFFIC SIGNAL
- R.R./CROSSWALK SIGNAL
- MB MAIL BOX
- MISC. OBJECT
- METER
- MARSH
- PROSPECT/EXCAVATION
- SHAFT
- UTIL. VAULT/BOX
- METER BOX
- BUILDING
- DECK
- COVERED AREA
- SHED
- BLDG. UNDER CONSTR.

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SPARKS, NEVADA 89434
(775) 358-9491 * FAX 358-3664

MARK	DATE	REVISIONS	BY

BENCHMARK

DESIGNED BY	CWV	DRAWN BY	CWV
CHECKED BY	DCC	DATE SURVEYED	11/20/2007
APPROVED BY	DCC	NO.	10836

ALTA/ACSM LAND TITLE SURVEY
FOR
AMERICAN READY MIX

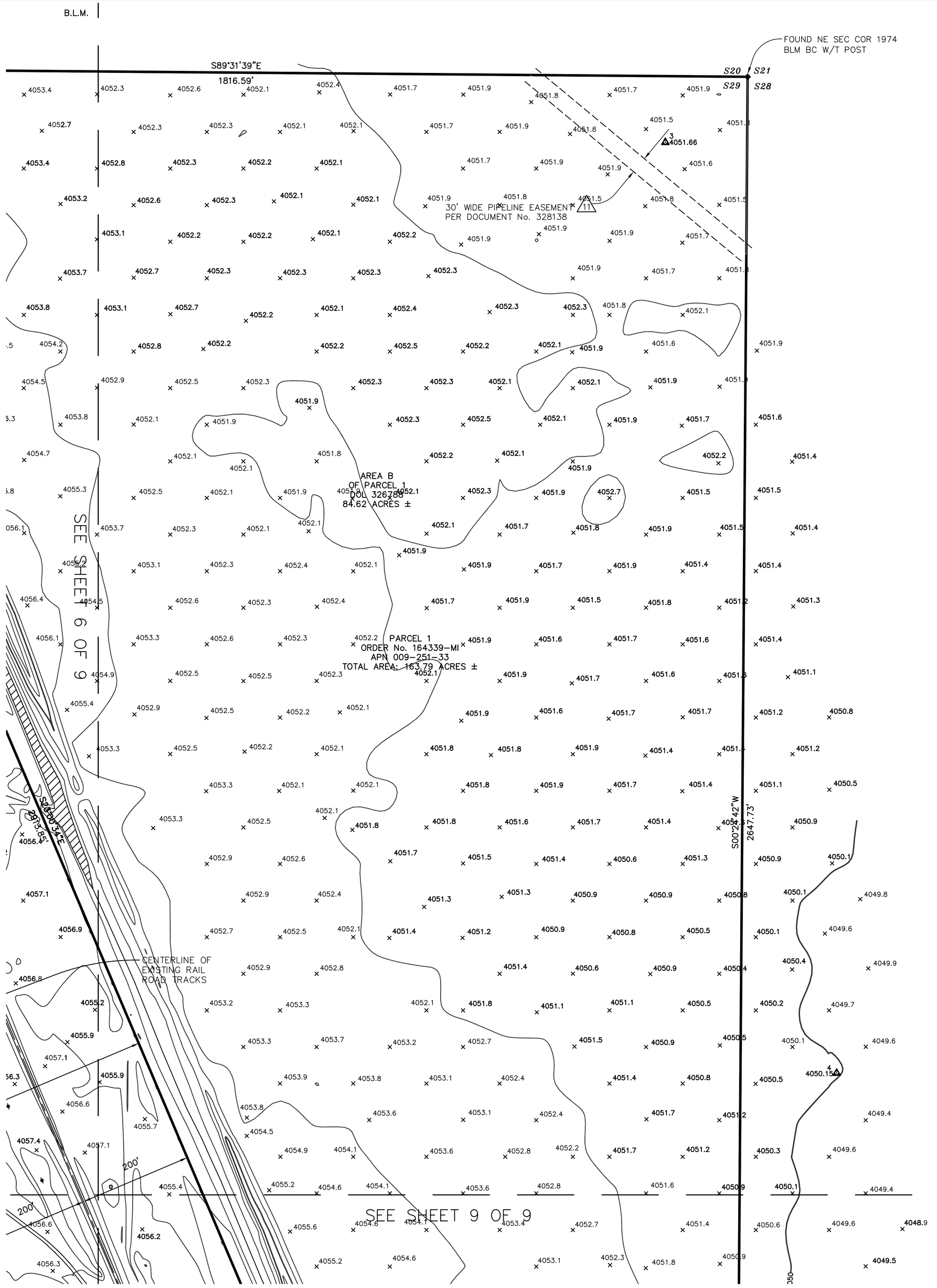
PARCEL A, AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1, AS SHOWN ON DIVISION INTO LARGE PARCELS MAP No. 326788
SITUATE IN NORTH HALF OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.

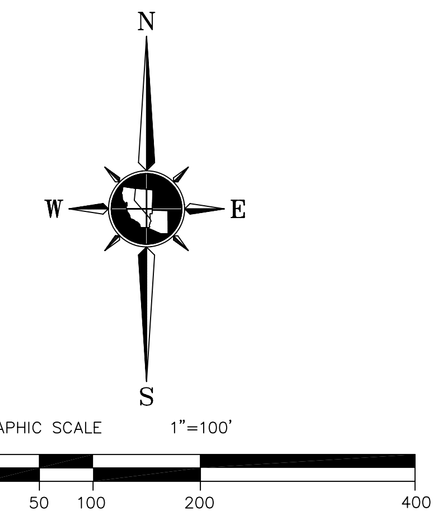
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 6 OF 9





BASIS OF BEARINGS

THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

BASIS OF ELEVATIONS

NORTH AMERICAN VERTICAL DATUM OF 1988, GEIOD03, BASED ON (NAVD88/GEOI003) NEVADA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENT 470988 M, WITH AN ELEVATION OF 4069.84 FEET.

LEGEND

- SUBJECT BOUNDARY LINE
- SECTION LINE
- OH — OVERHEAD POWER LINE
- CENTER LINE
- EASEMENT LINE
- SECTIONAL CORNER, AS DESCRIBED
- FOUND 5/8 REBAR & CAP, PLS 10836
- FOUND MONUMENT AS DESCRIBED
- DIMENSION POINT, NOTHING FOUND OR SET
- SECTION CORNER AS DESCIRBED
- (6) SCHEDULE "B" EXCEPTION ITEM (PER TITLE COMMITMENT REFERENCED HEREON)
- △6 SCHEDULE "B" EXCEPTION ITEM (PER TITLE COMMITMENT REFERENCED HEREON)

LEGEND FOR NON-ANNOTATED FEATURES:

- INDEX CONTOUR
- APPROXIMATE INDEX
- INDEX DEPRESSION
- INTERMEDIATE CONTOUR
- APPROXIMATE INTERMEDIATE
- INTERMEDIATE DEPRESSION
- EDGE OF PAVEMENT
- DIRT ROAD
- JEEP/FOOT TRAIL
- CURB LINE
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Land Information Solutions

BY	REVISIONS	MARK	DATE

BENCHMARK

DESIGNED BY	CWV	DRAWN BY	CWV
CHECKED BY	DCC	DATE SURVEYED	11/20/2007
APPROVED BY	DCC	NO. 10836	

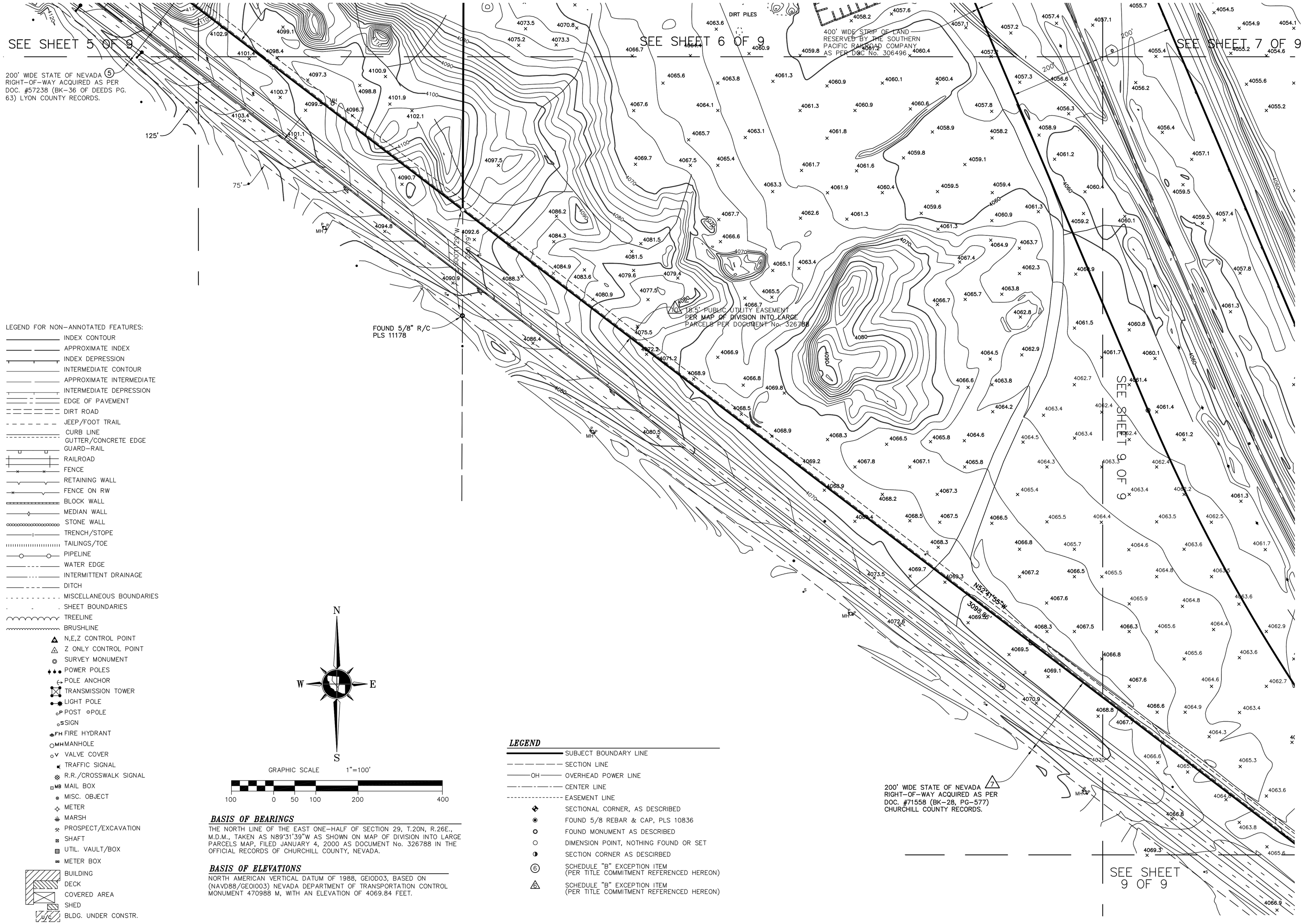
ALTA/ACSM LAND TITLE SURVEY FOR AMERICAN READY MIX

PARCEL A, AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1, AS SHOWN ON DIVISION INTO LARGE PARCELS MAP No. 326788
SITUATE IN WORTH ½ OF THE EAST ½ OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 7 OF 9



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- SHED
- U/C BLDG. UNDER CONSTR.

N
W E
S

GRAPHIC SCALE 1"=100'

100 0 50 100 200 400

BASIS OF BEARINGS

THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

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MARK	DATE	REVISIONS	BY

BENCHMARK

DESIGNED BY CWV | DRAWN BY CWV
CHECKED BY DCC | DATE SURVEYED 11/20/2007
APPROVED BY DCC | NO. 10836

ALTA/ACSM LAND TITLE SURVEY FOR AMERICAN READY MIX

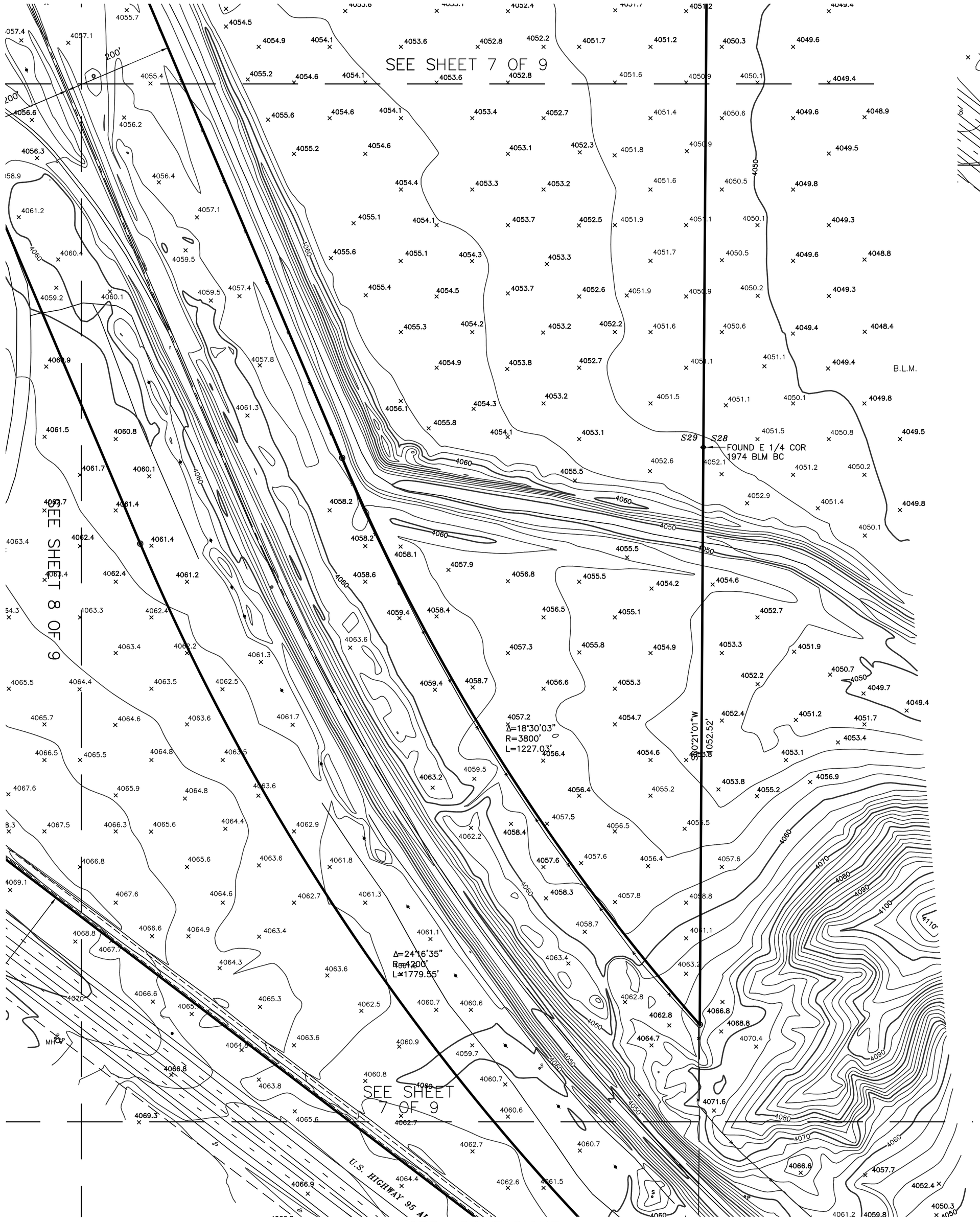
PARCEL A, AS SHOWN ON RECORD OF SURVEY MAP No. 241704, AND PARCEL 1, AS SHOWN ON DIVISIONS INTO LARGE PARCELS MAP No. 326788 SITUATED WITHIN THE EAST HALF OF SECTION 29, TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.

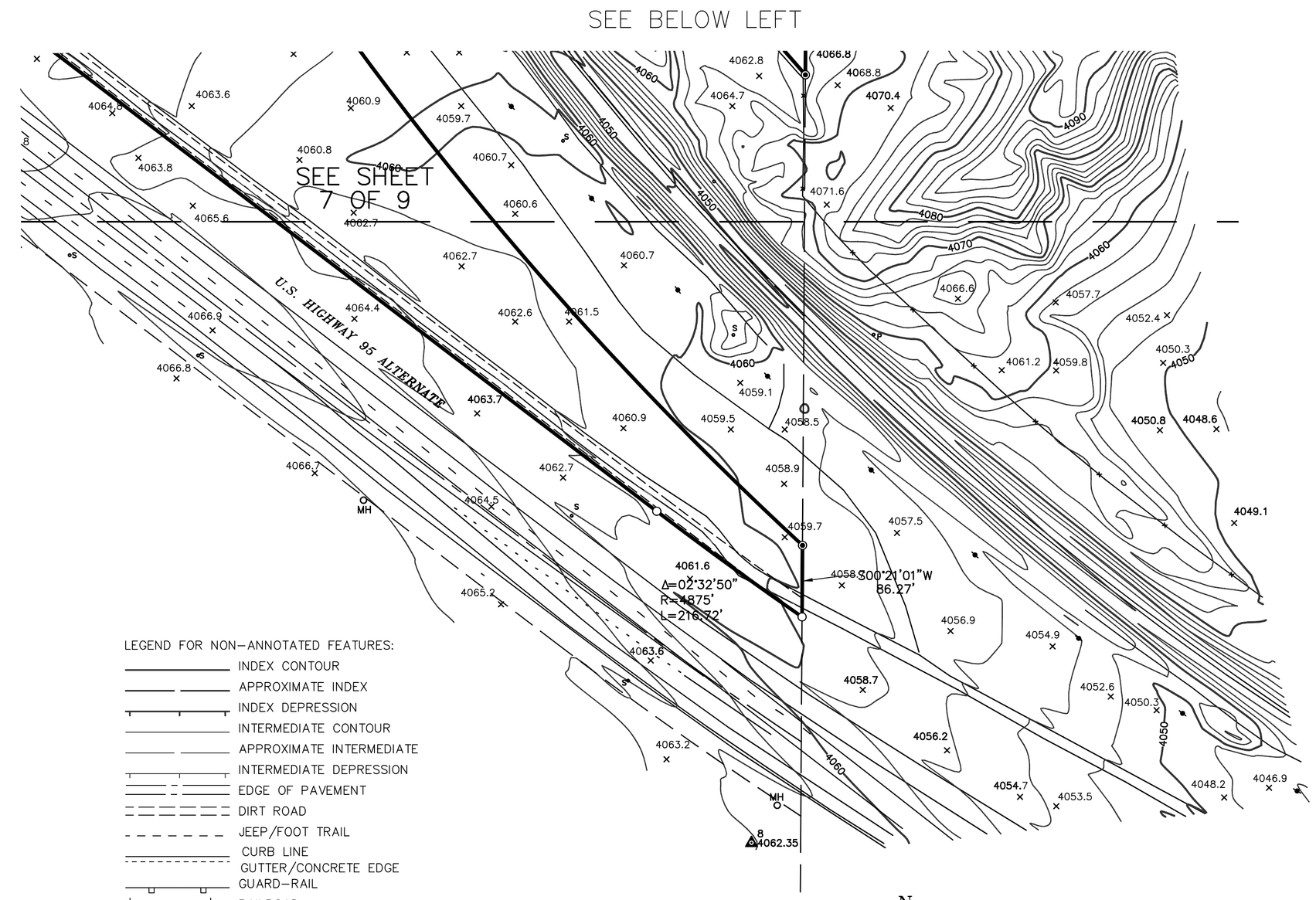
LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 8 OF 9





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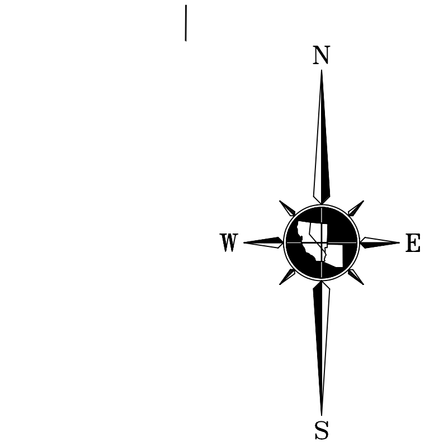

GRAPHIC SCALE 1"=100'

100 0 50 100 200 400

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THE NORTH LINE OF THE EAST ONE-HALF OF SECTION 29, T.20N, R.26E., M.D.M., TAKEN AS N89°31'39"W AS SHOWN ON MAP OF DIVISION INTO LARGE PARCELS MAP, FILED JANUARY 4, 2000 AS DOCUMENT No. 326788 IN THE OFFICIAL RECORDS OF CHURCHILL COUNTY, NEVADA.

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REVISIONS			
MARK	DATE		BY

BENCHMARK

DESIGNED BY CWV	DRAWN BY CWV		
CHECKED BY DCC	DATE SURVEYED 11/20/2007		
APPROVED BY DCC	NO. 10836		

ALTA/ACSM LAND TITLE SURVEY FOR AMERICAN READY MIX

PARCEL A AS SHOWN ON RECORD OF SURVEY MAP No. 241704
AND PARCEL 1 AS SHOWN ON DIVISIONS INTO LARGE PARCELS MAP No. 326788
SITUATE WITHIN THE E1/2 OF SECTION 29,
TOWNSHIP 20 NORTH, RANGE 26 EAST, M.D.M.

LYON & CHURCHILL COUNTY NEVADA

JOB NO. 07499.01.RM

DATE 12/5/07

SHEET 9 OF 9

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT D

Proposed Land Use Description and Prior Use of the Land Summary Sheet

nac
NORTH AVENUE
CAPITAL

Gateway Commerce Center, LLC
Executive Order 12372 Submission

ATTACHMENT D

PROPOSED LAND USE DESCRIPTION AND PRIOR USE OF THE LAND

PROPOSED LAND USE

The 227.15 acres of land are proposed to be used as a commerce center and rail park. The railroad main line, rail switches and spur track are already in existence on the site. The first tenant, GreeNu Commodities, LLC has already been through the NEPA process and have obtained all necessary permits from all relevant national, state and local agencies. An 18″ water main will be extended to the GreenU Commodities, LLC site, located in the middle of the commerce center.

PRIOR USE OF THE LAND

Through review of Churchill and Lyon County Assessor records, it was determined that in 1990 the property was owned by the Atchison, Topeka, and Santa Fe Railroad. At that time the only developments on the property were the railroad and canal. Ownership of the property was transferred to Silver State Land Company in 1995, and then to Nevada Land and Resource Company in 1996, and then to Intermountain Asphalt Supply in 2000, who developed the Darwin Siding facility at that time. Paul Gianoli and John Lawson bought the property in 2003 and later operated it under the name of WNRP. WNRP granted a right-of-way easement to New Cingular Wireless in August 2014.

Through review of historic aerial photos it was found that in 1954 the property was undeveloped except for the railroad and the canal. The property remained undeveloped in photos taken in 1974, 1980, 1990, and 1994. In a 2006 th Darwin Siding area of the property had been developed.

Through an interview with Paul Gianoli it was determined that he and his partner operated the facility as an asphalt supply terminal beginning in 2003. They operated a landscape materials supply business in 2006 and 2007. They leased use of the siding to Golden Gate SET Petroleum who unloaded transmix (a product resulting from the mixing of different petroleum products that is produced when different products are run through a pipeline) in 2008, have leased use of the siding to Dicapearl who has unloaded pearlite at the site for the last three years, and to Turner Propane who has unloaded propane at the site for the last two years. They leased an area of the site to Western Pavement Solutions who operated an asphalt emulsion facility at the site in 2012 and 2013.

There are no records of any other uses of the property.

Gateway Commerce Center, LLC

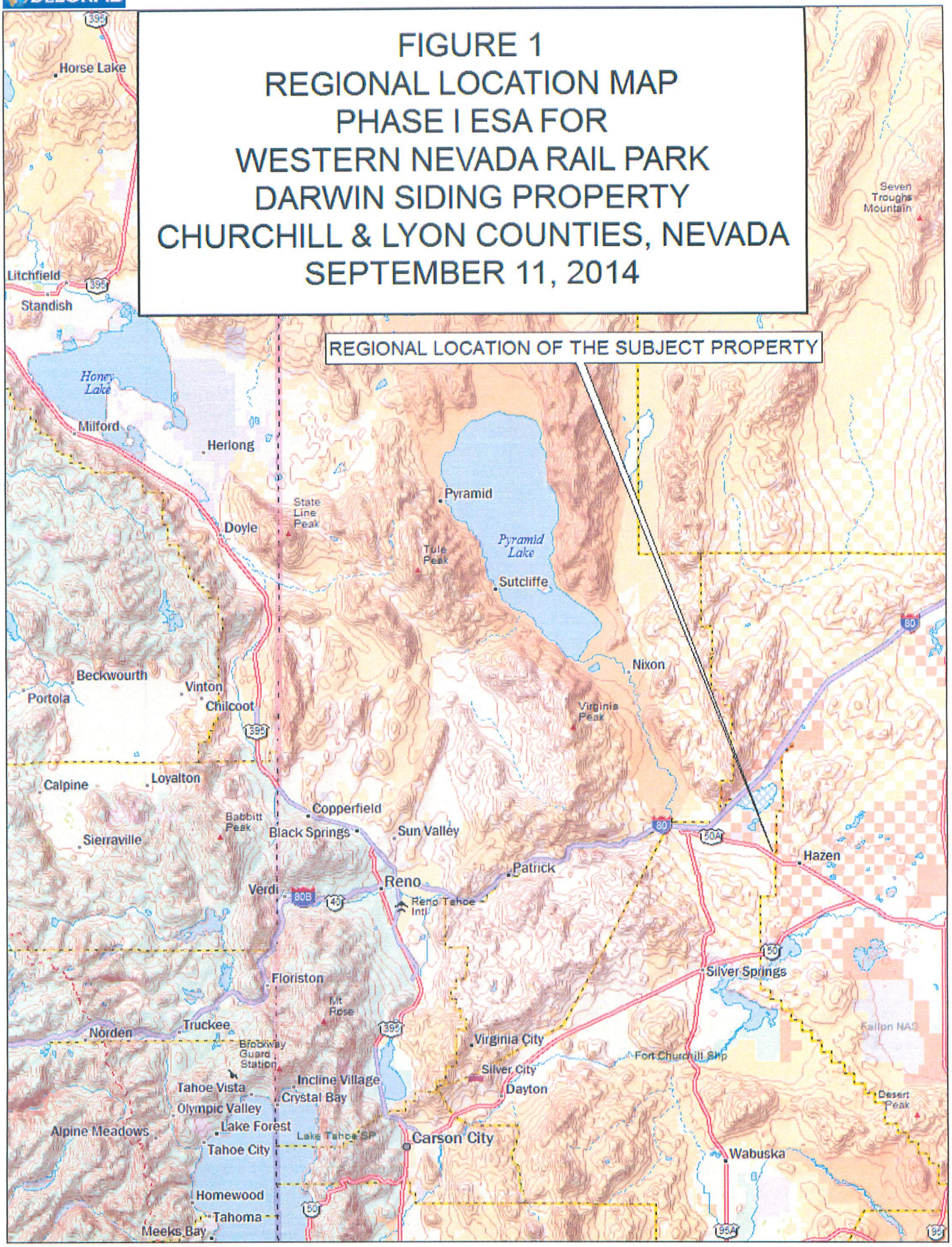
Executive Order 12372 Review

ATTACHMENT E

Project Location Map

nac
NORTH AVENUE
CAPITAL

FIGURE 1
REGIONAL LOCATION MAP
PHASE I ESA FOR
WESTERN NEVADA RAIL PARK
DARWIN SIDING PROPERTY
CHURCHILL & LYON COUNTIES, NEVADA
SEPTEMBER 11, 2014



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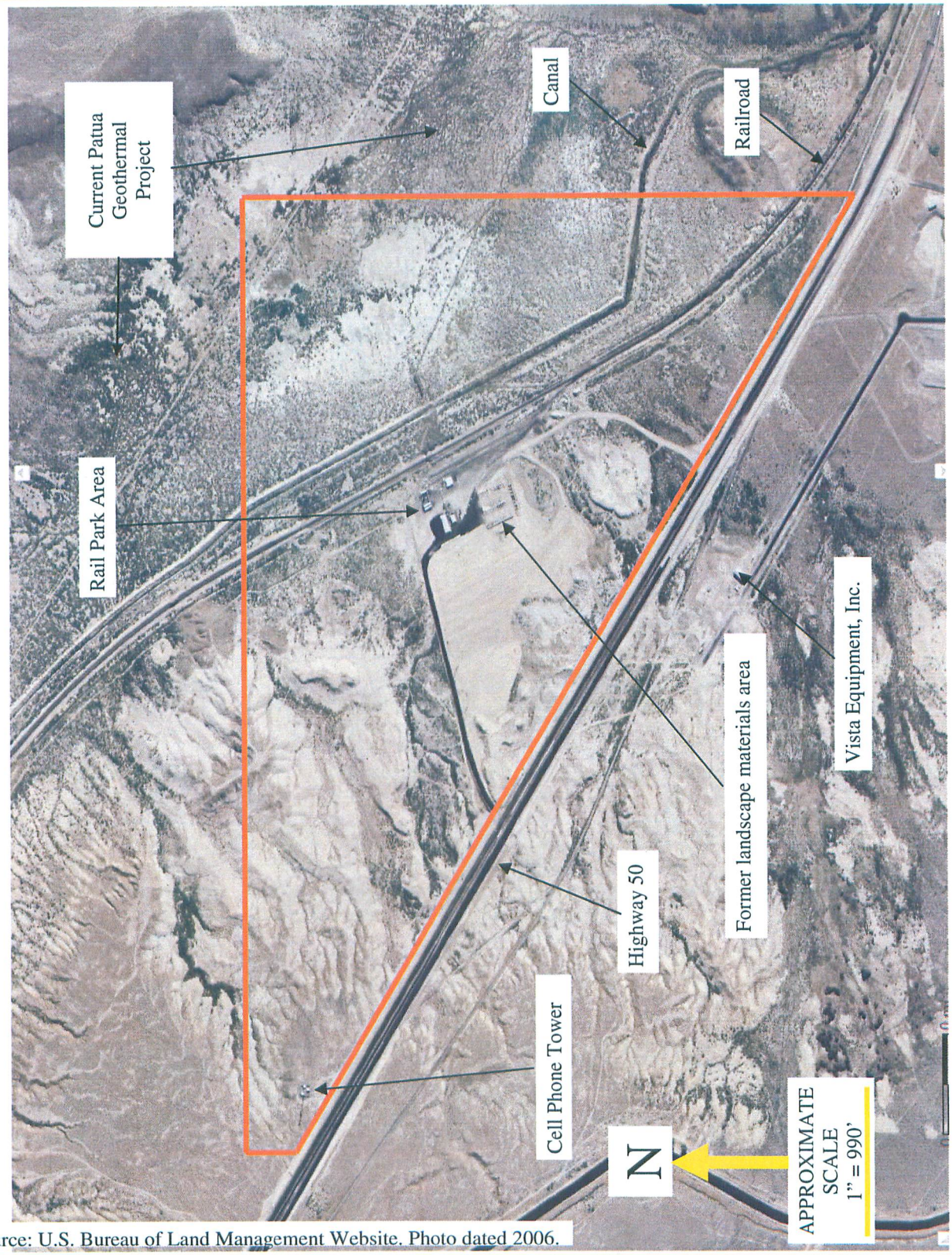
www.delorme.com

MN (13.8° E)

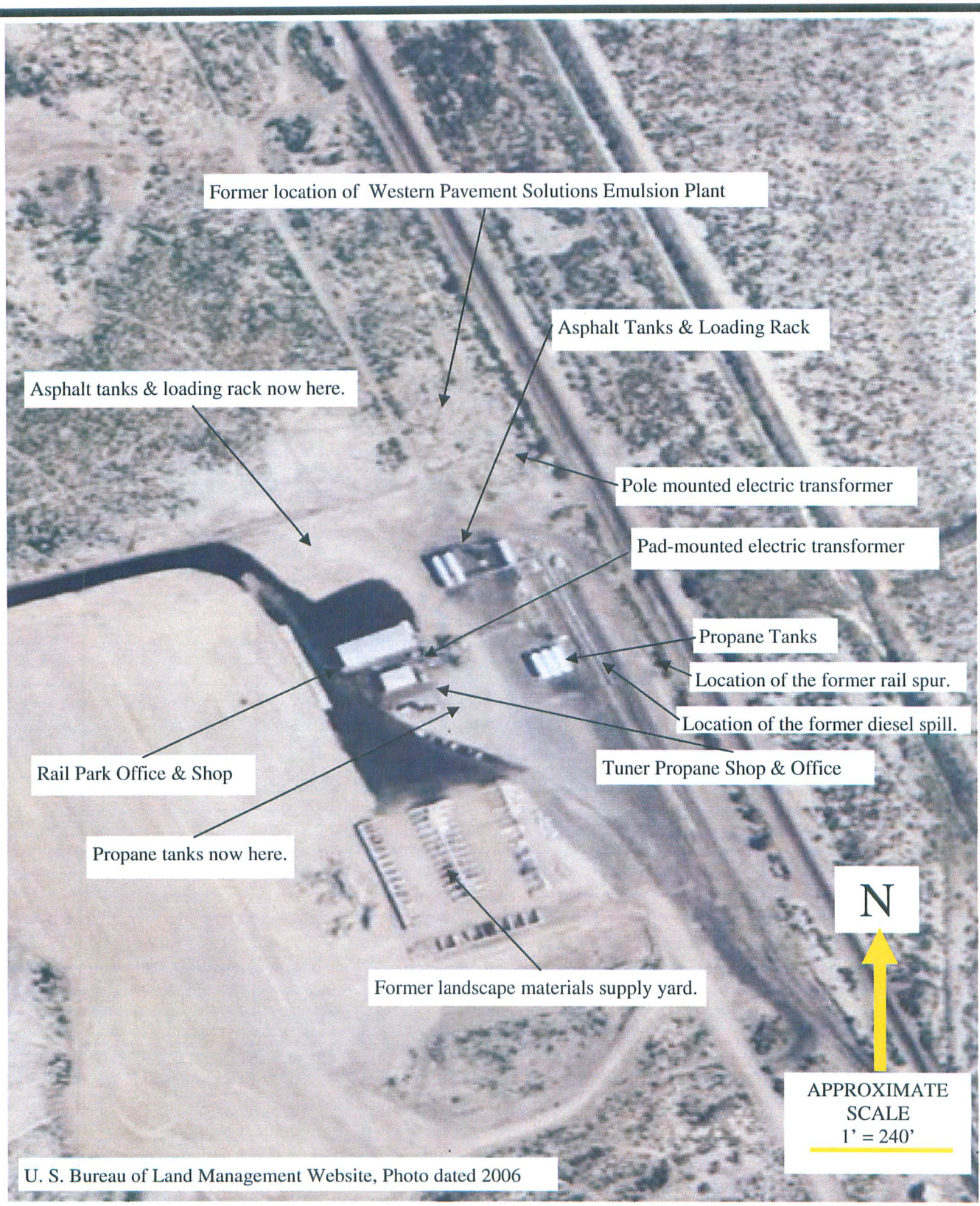
0 4 8 12 16 20 mi

Data Zoom 8-0



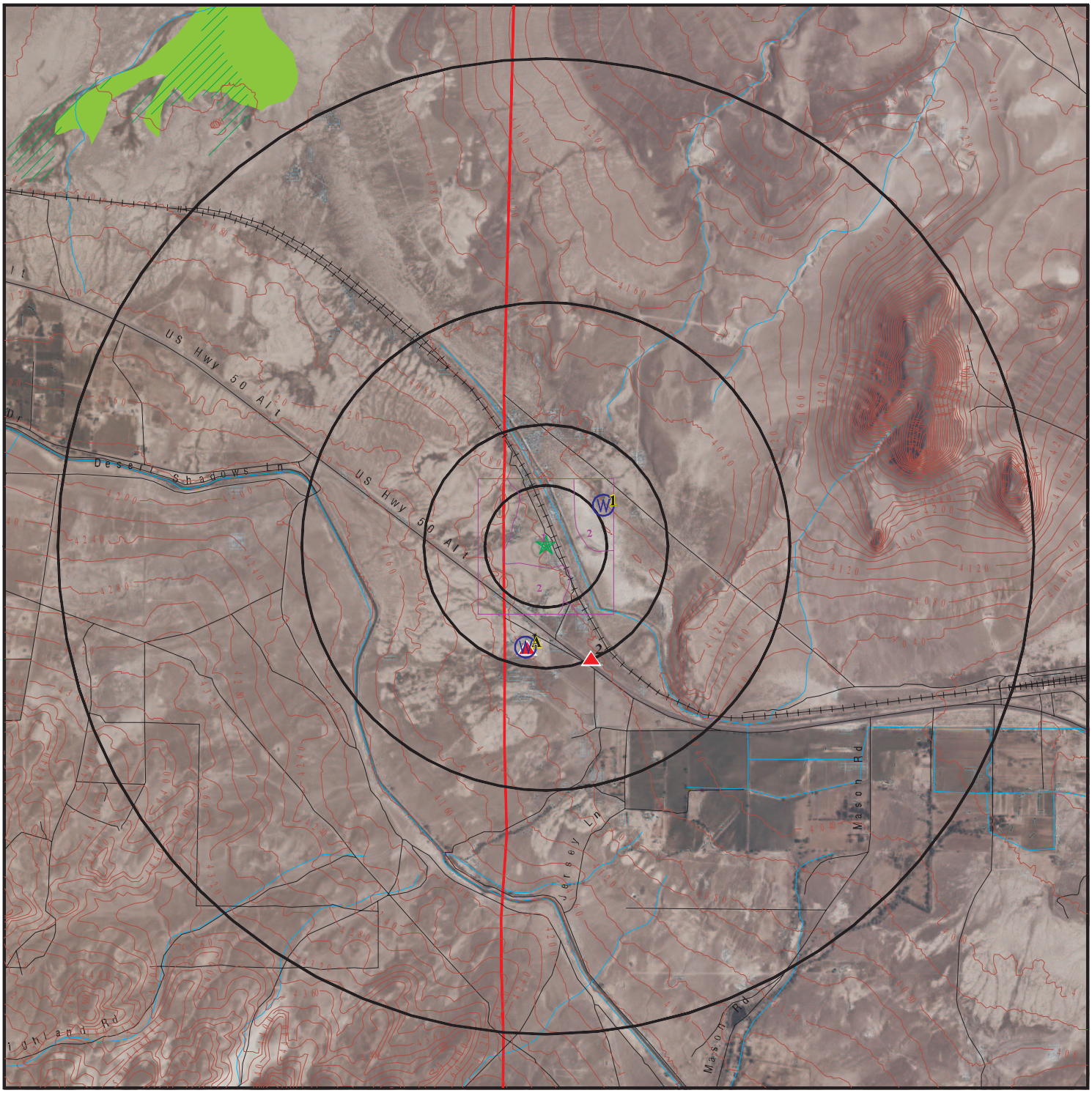
Source: U.S. Bureau of Land Management Website. Photo dated 2006.

ROBISON ENGINEERING COMPANY	**SITE AERIAL PHOTOGRAPH** **PHASE I ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		3
PROJECT NO. 1-313-03.001		



ROBISON ENGINEERING COMPANY	**SITE AERIAL PHOTOGRAPH** **PHASE I ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		4
PROJECT NO. 1-313-03.001		

overview MAP - 4060596.2s



0 1/2 1 2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Western Nevada Rail Park	CLIENT: Robison Engineering
ADDRESS: Rural Route Fallon NV 89406	CONTACT: Wally Robison INQUIRY #: 4060596.2s
LAT/LONG: 39.5733 / 119.0868	DATE: September 09, 2014 4:55 pm

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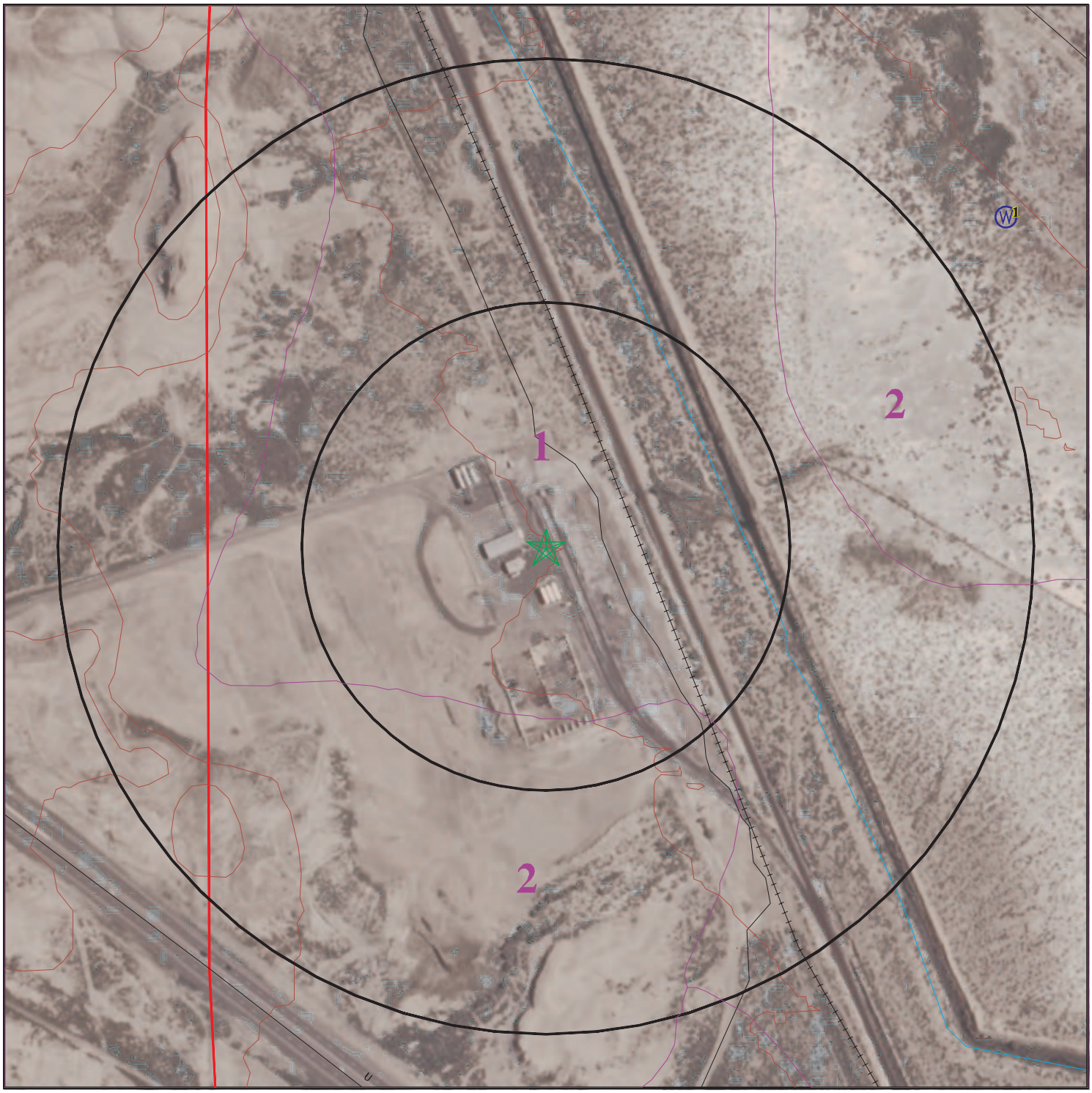
detail MAP - 4060596.2s



- Target Property
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- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- County Boundary
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- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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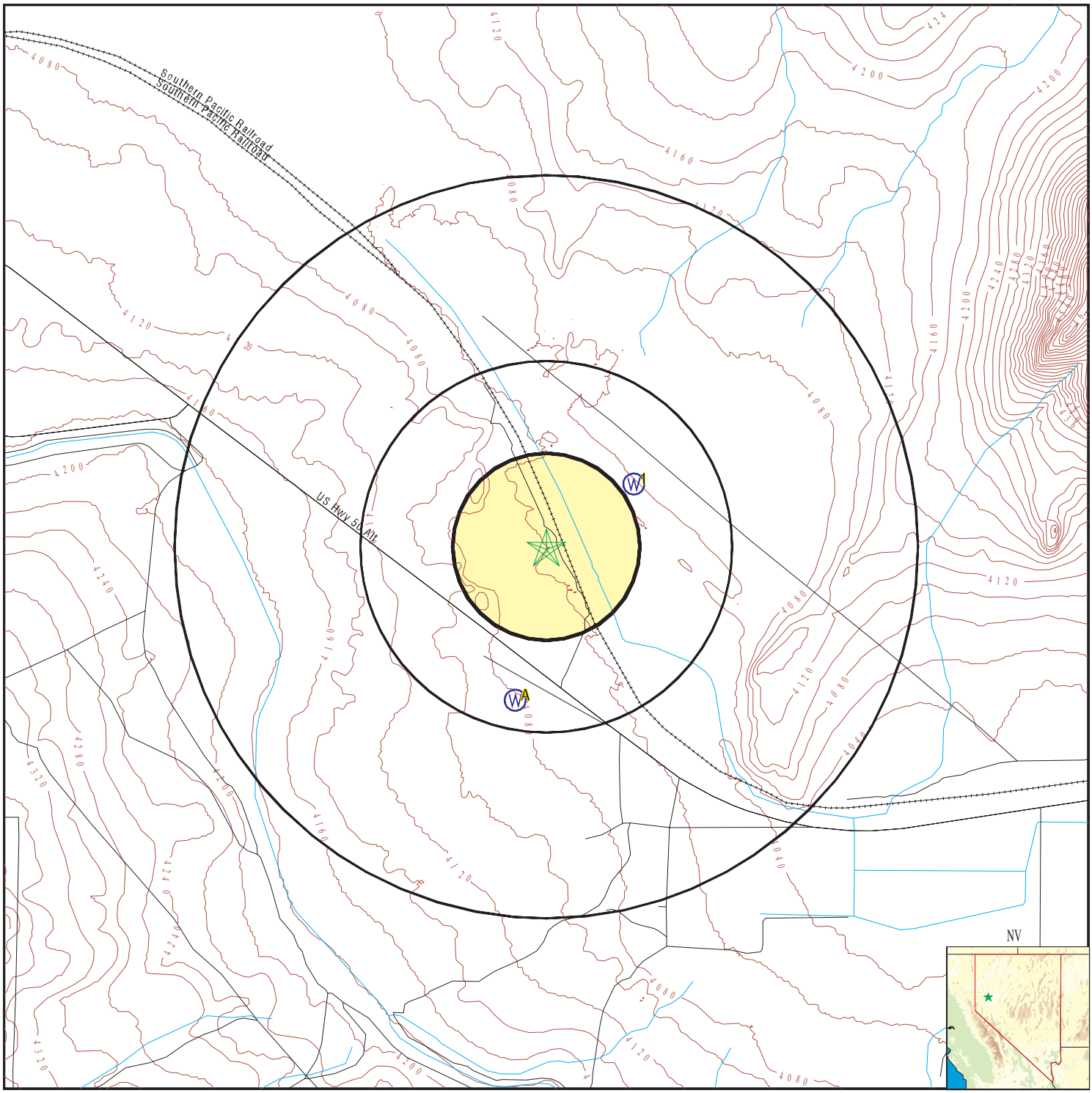
PHYSICAL SETTING SOURCE MAP - 4060596.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data

SITE NAME:	Western Nevada Rail Park	CLIENT:	Robison Engineering
ADDRESS:	Rural Route Fallon NV 89406	CONTACT:	Wally Robison
		INQUIRY #:	4060596.2s
LAT/LONG:	39.5733 / 119.0868	DATE:	September 09, 2014 4:57 pm

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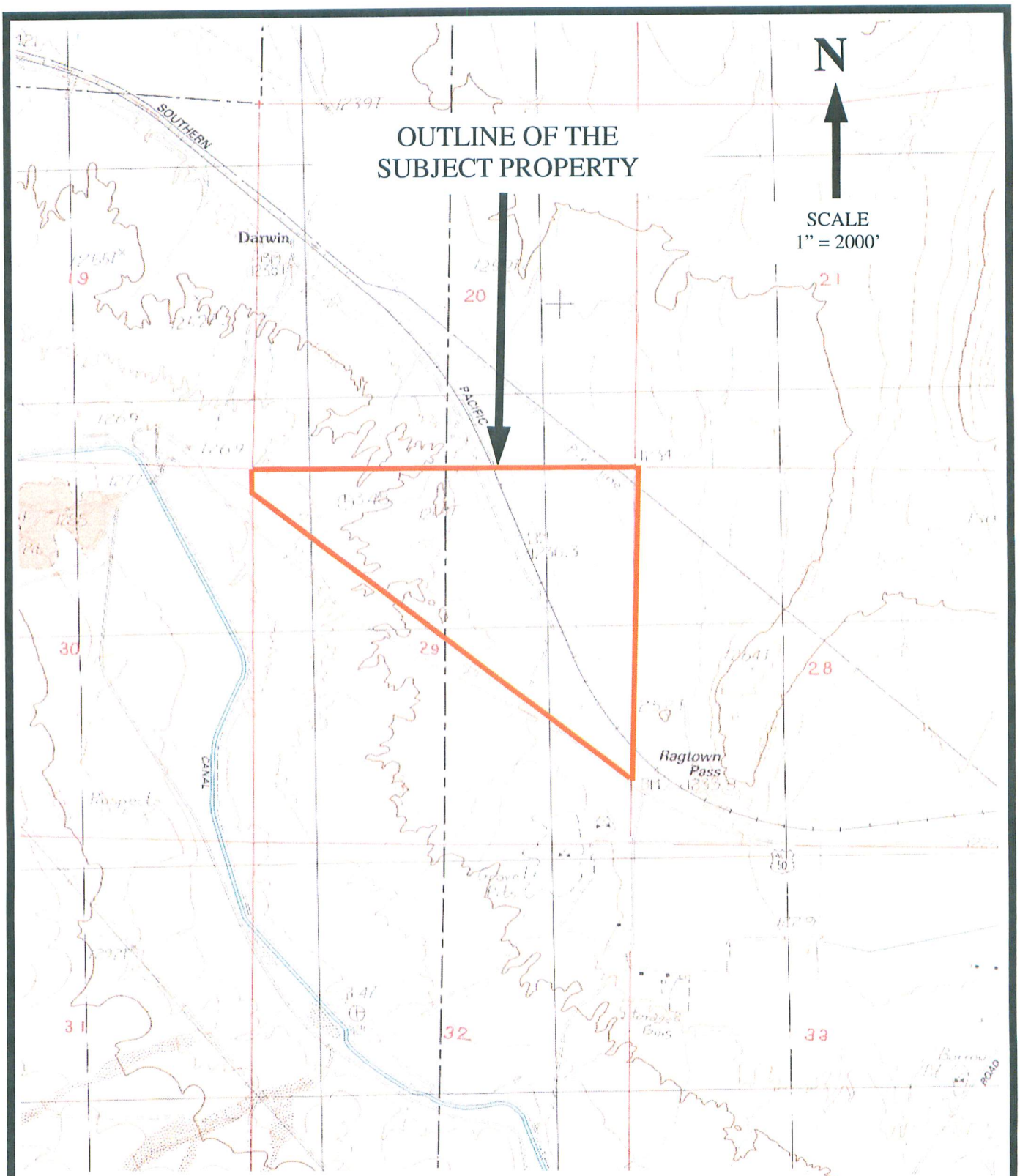
Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT F

Topographic Map

nac
NORTH AVENUE
CAPITAL



SOURCE: USGS 7.5' HAZEN, NEV. QUADRANGLE, PROVISIONAL EDITION, 1985

ROBISON ENGINEERING COMPANY	**SITE TOPOGRAPHIC MAP** **PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 11, 2014		2
PROJECT NO. 1-313-03.001		

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT G

Site Photographs

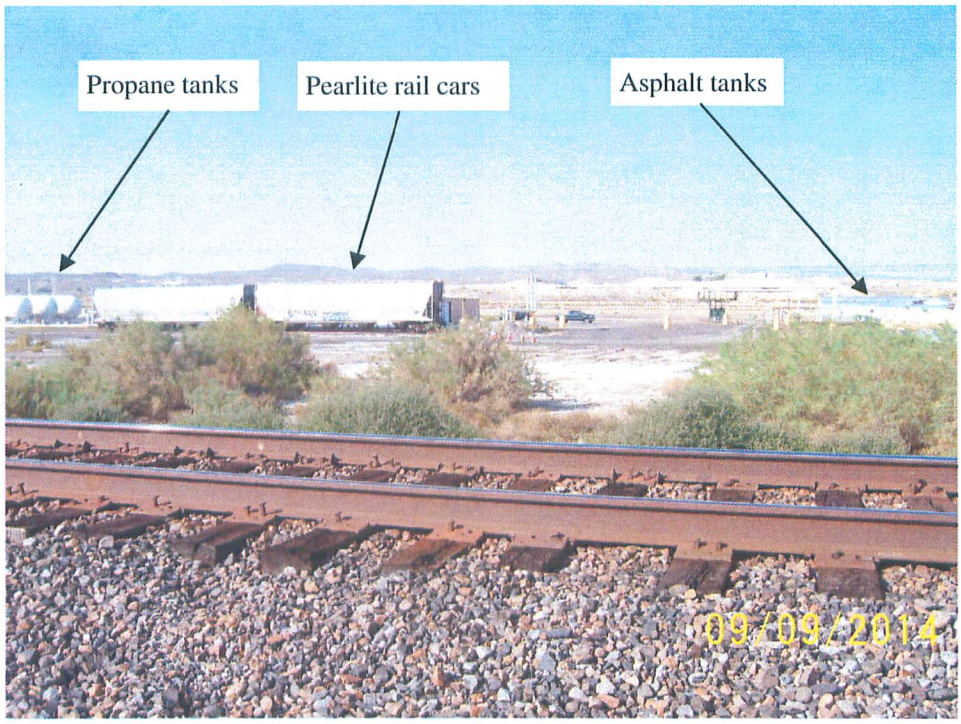
nac
NORTH AVENUE
CAPITAL

Looking north at the asphalt loading rack with the asphalt tanks in the rear.

Looking east at the western-most asphalt tank.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		5
PROJECT NO. 1-313-03.001		

Looking northeast at a propane rail car.



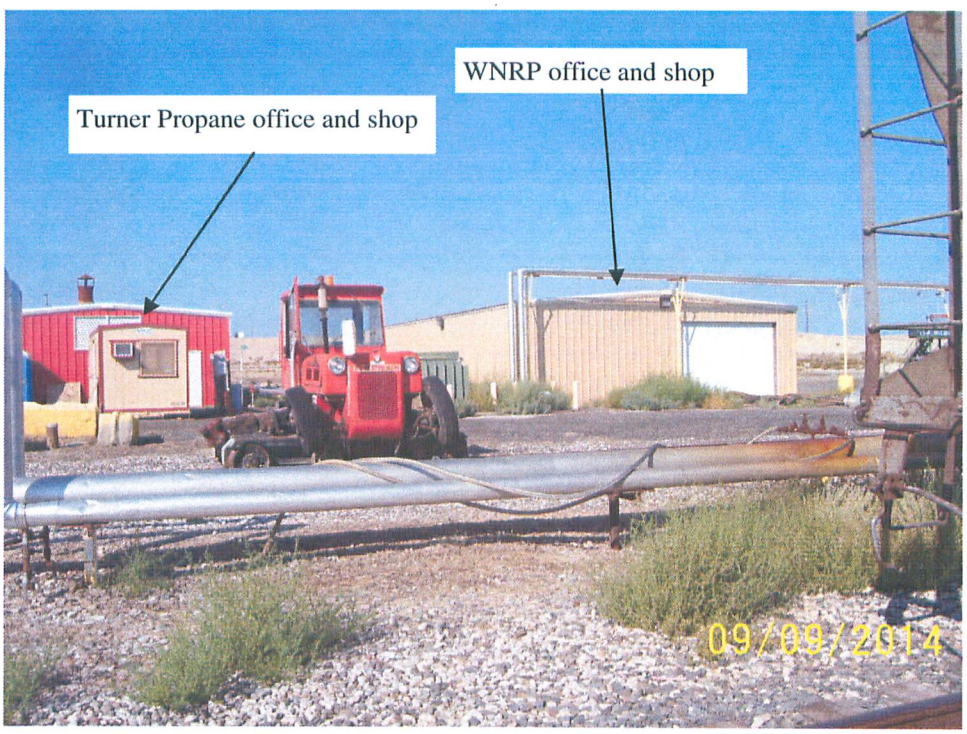
Looking southwest at the rail park facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		6
PROJECT NO. 1-313-03.001		

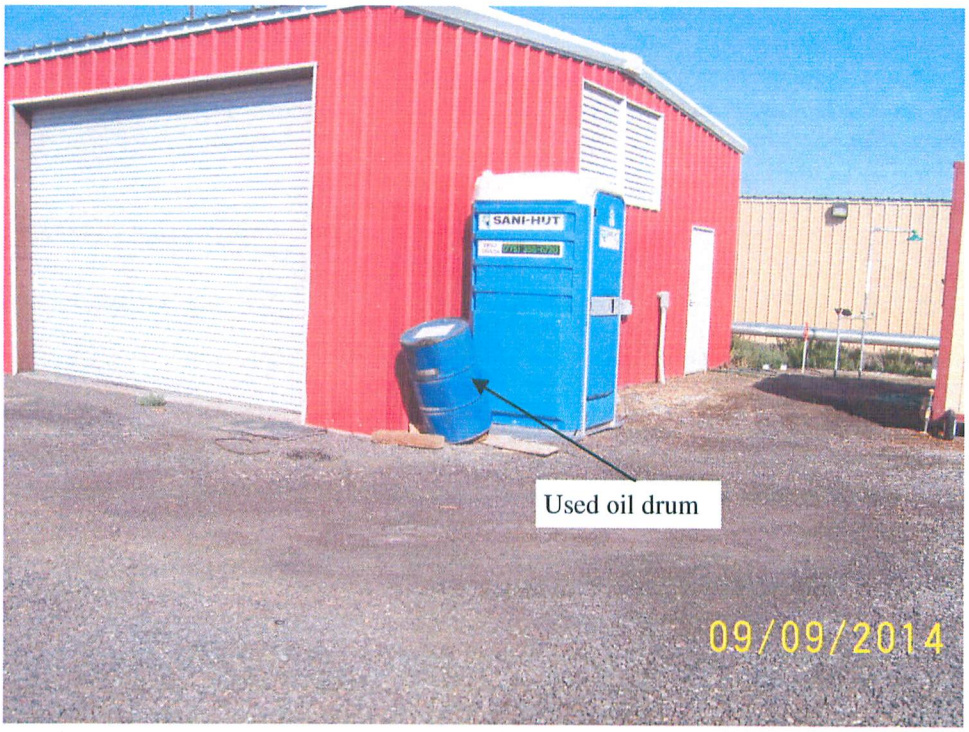
Looking southeast at the canal located northeast of the facility.

Looking northwest at the switch control station on the railroad right of way.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		7
PROJECT NO. 1-313-03.001		

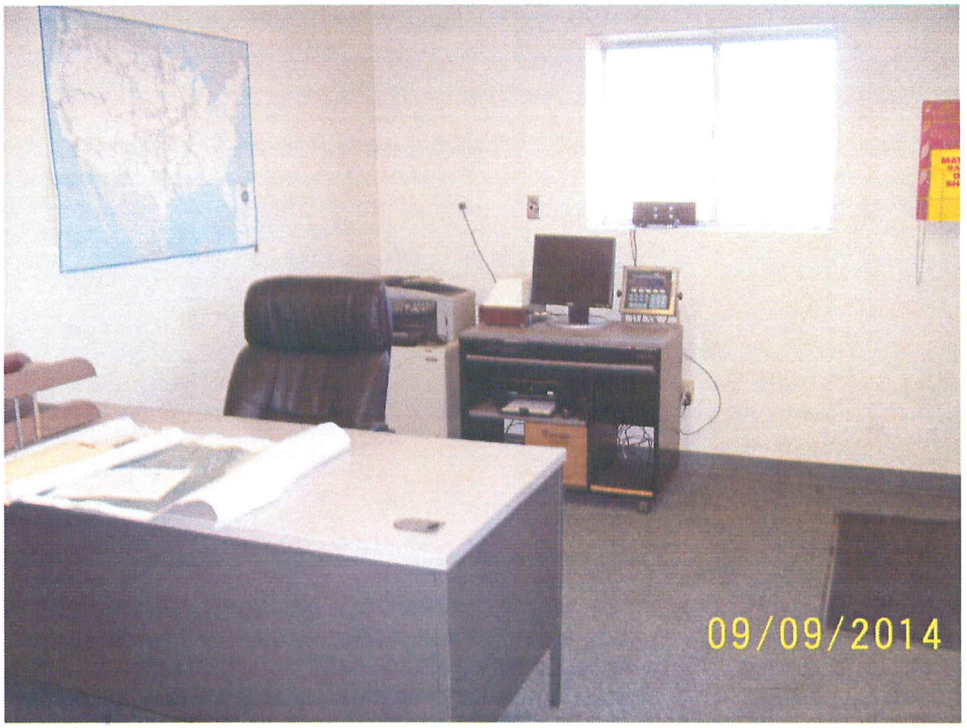


Looking southwest at the center of the facility.



Looking northwest at Turner Propane shop.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		8
PROJECT NO. 1-313-03.001		



Inside WNRP office.

Inside WNRP shop.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		9
PROJECT NO. 1-313-03.001		

Looking north at scrap materials left behind by Western Pavement Solutions.

Looking southeast at the rail spur to the facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		10
PROJECT NO. 1-313-03.001		

Looking west across the undisturbed parcel of land northeast of the railroad.
Black pipe is associated with the Patua Geothermal facility and is not on the subject property.

Looking southwest at the pad-mounted transformer located near the center of the facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		11
PROJECT NO. 1-313-03.001		

Looking north at the cell phone tower located near the northwest end of the site.

View of one of two diesel-electric generators located within the cell phone tower enclosure.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		12
PROJECT NO. 1-313-03.001		

Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT H

PHASE I ENVIRONMENTAL SITE ASSESSMENT

nac
NORTH AVENUE
CAPITAL

June 13, 2016
File: 1-313-02.002

Mr. Paul Gianoli
Western Nevada Rail Park, LLC
50 Freeport Boulevard, Ste. 11
Sparks, NV 89431

SUBJECT: UPDATE TO PHASE I ENVIRONMENTAL SITE ASSESSMENT, WESTERN NEVADA RAIL PARK, LLC, DARWIN SIDING PROPERTY, CHURCHILL AND LYON COUNTIES, NEVADA

Dear Paul,

I have completed an update to the Phase I Environmental Site Assessment of the Darwin Siding Property located near Hazen, Nevada. My original report was dated September 14, 2014. My update activities consisted of (1) new interview with you, the property owner, an interview with Mr. Mike Dennison, manager of Turner Propane, the only tenant on the property, (2) ordering, reviewing, and commenting on a new environmental database report from Environmental Data Resources, Inc. (EDR), which includes a search for cleanup liens, and (3) a new reconnaissance of the property conducted on June 11, 2016.

INTERVIEW RESULTS

From my interview with you I found that there have been no new activities on the property since I prepared my original report in September 2014. Turner Propane continues to offload propane from the railroad into onsite propane storage tanks for later distribution in its tanker trucks. Dicapearl continues to use the railroad siding for infrequent offloading of pearlite at the siding for shipment to its nearby processing plant.

I interviewed Mike Dennison. He told me that he had been on the property for aver a year. He had no knowledge of any environmental problems with the property. He said that no maintenance of the Turner Propane tanker trucks was done on site.

NEW EDR REPORT

I ordered and have reviewed a new EDR Radius Map Report for the subject property. The only significant difference between the previous EDR report, dated September 9, 2014 and the current EDR report, dated June 9, 2016 was the new EDR report identified sites on the subject property listed as Greenu Commodities and Greenu Western Nevada. The previous report identified these sites but they were not listed as being on the subject property.

Greenu Commodities was a prospective purchaser of the property and its name appeared on the list because it had started its permitting process for recycling used tires, although they never went into operation. The Greenu Western Nevada listing was for a release of transmix (a product resulting from the mixing of different petroleum products that is produced when different products are run through a pipeline) to the site soils in 2008. It appears that this listing is in error because you knew of no releases of petroleum product to the property that was a result of Greenu Western Nevada's activities at the site, but you were aware of a release of transmix that was the result of Golden Gate SET Petroleum activities at the site that occurred at the site in 2008. I reported on this release in my 2014 report and, based on the attached letter from the Nevada Division of Environmental Protection (NDEP), the release was remediated to the satisfaction of the NDEP. Regardless, if Greenu Western Nevada did have a separate release in 2008, it also was remediated to the satisfaction of the NDEP according to the records contained in the attached EDR report, which indicated the NDEP issued a closure letter to Greenu Western Nevada in 2009 for a release of transmix that occurred in 2008.

NEW SITE RECONNAISSANCE

I conducted a new reconnaissance of the property on June 11, 2014. I found conditions at the site to be essentially the same as when in visited the property in September 2014. The only difference I noted was that in September 2014, used motor oil was stored in a drum located outside the Turner Propane shop, whereas on my most recent visit, the drum of used oil was no longer present.

Photos taken during my recent site visit are presented on the following Figures 1 through 3.

DECLARATION

I offer the following opinion as to whether the all appropriate inquiry conducted in accordance with 40 CFR Part 312 has identified conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the subject property: In my opinion there no current conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the subject property

Thank you for the opportunity to have been of service. If you have any questions regarding this update report, please feel free to call me at (775) 851-0506.

Sincerely,

ROBISON ENGINEERING COMPANY, INC.

Wally Robison

Wally Robison
Principal

Looking southeast at the primary buildings on the property.

Looking northwest at the formerly used asphalt storage tanks.
Photos by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE I ESA UPDATE FOR WESTERN NEVADA RAIL PARK, LLC.** **DARWIN SIDING PROPERTY, CHURCHILL CO. NEVADA**	FIGURE
DATE: JUNE 13, 2016		1
PROJECT NO. 1-313-02.002		

Looking northwest at the Turner Propane office and shop area.

Looking southeast at the Turner Propane storage tanks.
Photos by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE I ESA UPDATE FOR WESTERN NEVADA RAIL PARK, LLC.** **DARWIN SIDING PROPERTY, CHURCHILL CO. NEVADA**	FIGURE
DATE: JUNE 13, 2016		2
PROJECT NO. 1-313-02.002		

Looking south at the Turner Propane tanker trucks.

Looking northwest at the pad-mounted transformer and the building formerly used by Western Nevada Rail Park.
Photos by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE I ESA UPDATE FOR WESTERN NEVADA RAIL PARK, LLC.** **DARWIN SIDING PROPERTY, CHURCHILL CO. NEVADA**	FIGURE
DATE: JUNE 13, 2016		3
PROJECT NO. 1-313-02.002		

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF CORRECTIVE ACTIONS
P: 775.687.9368 F: 775.687.8335

Jim Gibbons, Governor
Allen Biaggi, Director
Leo M. Drozdoff, P.E., Administrator

February 12, 2009

Craig Munson
Golden Gate SET Petroleum
500 Ireland Drive
McCarran, NV 89434-6523

Subject: **No Further Action Determination** – Diesel Fuel Release at Golden Gate SET Petroleum located at 870 California Highway, Hazen, NV

Facility: Golden Gate SET Petroleum
Mobile source release at Hazen Rail Spur, Hazen, NV
NDEP Spill/Complaint # 080721-01
Facility ID: E-000075

Dear Mr. Munson:

The Nevada Division of Environmental Protection (NDEP) has received the November 22, 2008 Closure Letter for Golden Gate SET Petroleum at 870 California Highway, Hazen, Nevada submitted by Kenneth C. Hadjes, CEM of Clean Harbors Environmental Services on behalf of Golden Gate SET Petroleum. The facility, owned by Western Nevada Rail Park, LLC, is operated by Golden Gate SET Petroleum. This letter provides a no further action determination for the diesel fuel release at the above mentioned location (Site).

The NDEP has reviewed information contained in the Corrective Actions file that has been provided by Kenneth C. Hadjes, CEM. Based on this review, no contaminants remain in soil or groundwater above action levels or remediation standards; therefore, the NDEP has determined that no further assessment or remediation is required to be protective of human health and the environment (NAC 445A.2272).

NDEP may re-evaluate this decision if conditions at the site change or if new or previously unidentified information becomes available that: 1) alters the results of the site evaluation; and 2) demonstrates a potential detrimental impact on human health or the environment.

If you have any questions or concerns regarding this letter, please contact the undersigned at 775-687-9386 or sfischen@ndep.nv.gov. Thank you for your prompt and cooperative attention to this matter.

Sincerely,

Steve Fischenich
Environmental Scientist
Bureau of Corrective Actions, Nevada Division of Environmental Protection

cc: Kenneth C. Hadjes, Clean Harbors, 1200 Marietta Way, Sparks, NV 89431
Western Nevada Rail Park, LLC, 11000 Reno Highway, Hazen, NV 89408
Rob Piekarz, NDOT -Hazardous Materials Section, 1263 S. Stewart St, Carson City, NV 89712
Churchill County Board of Commissioners, 155 N. Taylor St., Ste. 110, Fallon, NV 89406
Sam Jackson, BCA (electronic)

Western Nevada Rail Park
Rural Route
Fernley, NV 89408

Inquiry Number: 4643579.2s
June 09, 2016

EDR Summary Radius Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

RURAL ROUTE
FERNLEY, NV 89408

COORDINATES

Latitude (North):	39.5732560 - 39' 34' 23.72"
Longitude (West):	119.0868330 - 119' 5' 12.59"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	320752.4
UTM Y (Meters):	4382265.5
Elevation:	4060 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150616
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
RURAL ROUTE
FERNLEY, NV 89406

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	GREENU COMMODITIES	11000 ALT HWY 50	SWF/LF	Higher	2588, 0.490, SSE
2	GREENU WESTERN NEVAD	11000 RENO HIGHWAY	SHWS, NPDES	Lower	3278, 0.621, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

State- and tribal - equivalent CERCLIS

SHWS: A review of the SHWS list, as provided by EDR, and dated 01/13/2016 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GREENU WESTERN NEVAD Facility Id: E-000075 Date Closed: 07/01/2009 Date Closed: 02/12/2009	***11000 RENO HIGHWAY***	***SSE 1/2 - 1 (0.621 mi.)***	***2***	***7***

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: A review of the SWF/LF list, as provided by EDR, and dated 03/01/2016 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

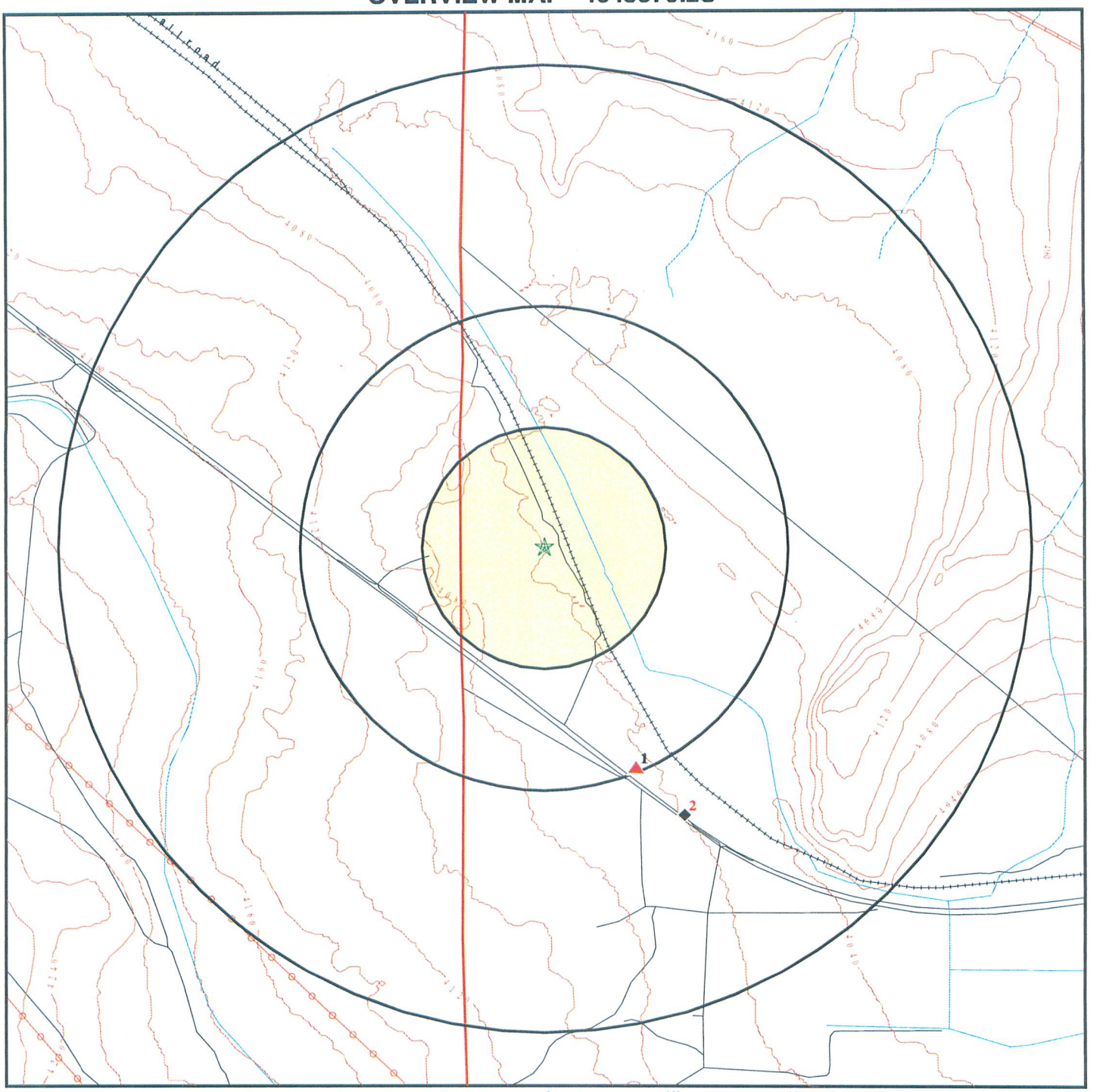
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREENU COMMODITIES Status: Not Operating - Permitted Facility Id: 1,696	11000 ALT HWY 50	SSE 1/4 - 1/2 (0.490 mi.)	1	7

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FERNLEY	S106514163	NEVADA CEMENT COMPANY	INTERSTATE 80 @ WEST MAIN STRE	89408	SHWS
FERNLEY	S103875488	TUTTLE PROPERTY	155 MAIN STREET	89408	SHWS

OVERVIEW MAP - 4643579.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone

0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Western Nevada Rail Park ADDRESS: Rural Route Fernley NV 89408 LAT/LONG: 39.573256 / 119.086833	CLIENT: Robison Engineering CONTACT: Wally Robison INQUIRY #: 4643579.2s DATE: June 09, 2016 7:51 pm

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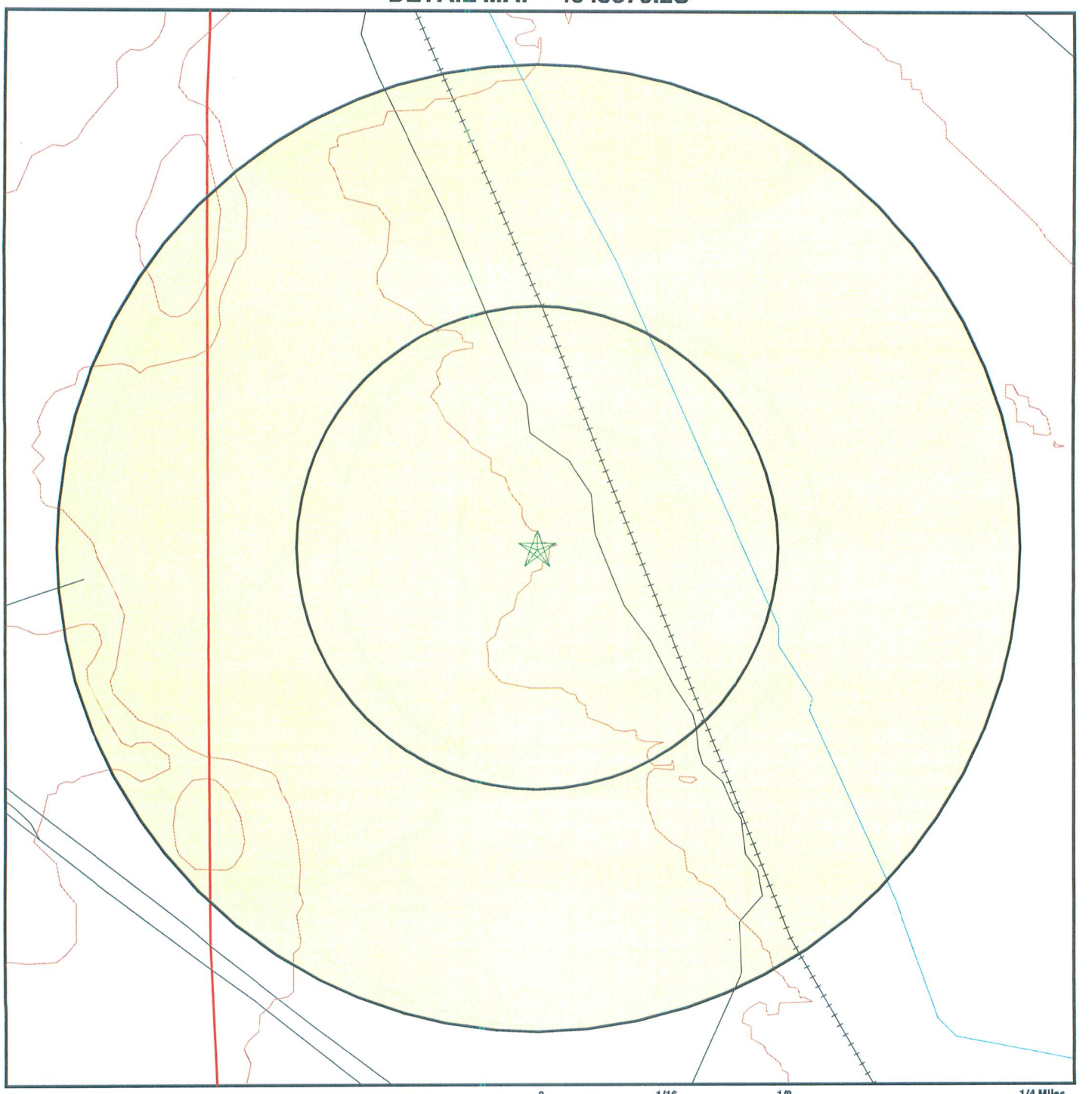
DETAIL MAP - 4643579.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- 100-year flood zone
- 500-year flood zone

0 1/16 1/8 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Western Nevada Rail Park ADDRESS: Rural Route Fernley NV 89408 LAT/LONG: 39.573256 / 119.086833	CLIENT: Robison Engineering CONTACT: Wally Robison INQUIRY #: 4643579.2s DATE: June 09, 2016 7:51 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HMRI	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	1	1	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
1 **SSE** **1/4-1/2** **0.490 mi.** **2588 ft.** **Relative:** **Higher**	**GREENU COMMODITIES** **11000 ALT HWY 50** **FERNLEY, NV 89408** Click here for full text details **SWF/LF** Status: Not Operating - Permitted Facility Id: 1,696	**SWF/LF**	**S116161975** **N/A**
2 **SSE** **1/2-1** **0.621 mi.** **3278 ft.** **Relative:** **Lower**	**GREENU WESTERN NEVADA RAIL PARK** **11000 RENO HIGHWAY** **HAZEN, NV 89408** Click here for full text details **SHWS** Facility Id: E-000075 Date Closed: 07/01/2009 Date Closed: 02/12/2009 **NPDES** Permit Number: CSW-39991 Facility Status: Terminated	**SHWS** **NPDES**	**S109272954** **N/A**

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
2 SSE 1/2-1	**GREENU WESTERN NEVADA RAIL PARK 11000 RENO HIGHWAY HAZEN, NV 89408**	**SHWS NPDES**	**S109272954 N/A**

0.621 mi.
3278 ft.
Relative:
Lower

Actual:
4059 ft.

SHWS:

Facility ID:	E-000075
Date Release Reported to NDEP:	03/26/2009
Program:	Mobile Source
NDEP Case Officer:	sfischen
Location of Paper File:	NDEP: CC-Storage
Type of Media Impacted:	Soil
Event:	Not reported
Date of Closure:	**07/01/2009**
Regulatory Type of Closure:	NAC 459 A-K
Contaminant:	TPH ; Transmix

Facility ID:	E-000075
Date Release Reported to NDEP:	07/21/2008
Program:	Mobile Source
NDEP Case Officer:	sfischen
Location of Paper File:	NDEP: CC-Storage
Type of Media Impacted:	Soil
Event:	Not reported
Date of Closure:	**02/12/2009**
Regulatory Type of Closure:	Clean w/ Remed
Contaminant:	Diesel

NPDES:

Facility Type:	Not reported
Facility Status:	Terminated
Permit Number:	CSW-39991
Expiration Date:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Latitude:	39.525455
Longitude:	-118.959587
Approved Date:	09/29/2014

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
1 SSE 1/4-1/2	**GREENU COMMODITIES 11000 ALT HWY 50 FERNLEY, NV 89408**	**SWF/LF**	**S116161975 N/A**

0.490 mi.
2588 ft.
Relative:
Higher

Actual:
4062 ft.

LF:

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Kevin Rose
Permit Number:	Not reported
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	4381739.8400
UTM East:	321043.7300
Revision Number:	Not reported
Permit Issued Date:	Not reported
Total Permitted Volume - YDS:	Not reported
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Greenu Commodities
Permit Number:	1696
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	Not reported
UTM East:	Not reported
Revision Number:	0
Permit Issued Date:	08/07/2014
Total Permitted Volume - YDS:	0.00
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Kevin Rose
Permit Number:	Not reported
Estimated Closure Date:	Not reported
Closure Amount:	Not reported

Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	4381739.8400
UTM East:	321043.7300
Revision Number:	Not reported
Permit Issued Date:	Not reported
Total Permitted Volume - YDS:	Not reported
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Greenu Commodities
Permit Number:	1696
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	Not reported
UTM East:	Not reported
Revision Number:	0
Permit Issued Date:	08/07/2014
Total Permitted Volume - YDS:	0.00
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Kevin Rose
Permit Number:	Not reported
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	4381739.8400
UTM East:	321043.7300
Revision Number:	Not reported
Permit Issued Date:	Not reported
Total Permitted Volume - YDS:	Not reported
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696

Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Greenu Commodities
Permit Number:	1696
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	Not reported
UTM East:	Not reported
Revision Number:	0
Permit Issued Date:	08/07/2014
Total Permitted Volume - YDS:	0.00
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Kevin Rose
Permit Number:	Not reported
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	4381739.8400
UTM East:	321043.7300
Revision Number:	Not reported
Permit Issued Date:	Not reported
Total Permitted Volume - YDS:	Not reported
Total Disposal Capacity - YDS:	Not reported
Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

Facility Id:	1,696
Facility Type:	Waste Tire Facility
Status:	Not Operating - Permitted
Organization Name:	Not reported
Affilite Name:	Greenu Commodities
Permit Number:	1696
Estimated Closure Date:	Not reported
Closure Amount:	Not reported
Post Closure Amount:	Not reported
Affiliate City/State/Zip:	Not reported
UTM North:	Not reported
UTM East:	Not reported
Revision Number:	0
Permit Issued Date:	08/07/2014
Total Permitted Volume - YDS:	0.00
Total Disposal Capacity - YDS:	Not reported

Remaining Disposal Capacity - YDS:	Not reported
Capacity Comments:	Not reported
Disposal Area - Acres:	Not reported
Capacity Report Due Date:	Not reported
Financial Comments:	Not reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NV	AIRS	Permitted Airs Facility Listing	Division of Environmental Protection	12/31/2015	03/23/2016	05/17/2016
NV	AST	Aboveground Storage Tank List	Department of Conservation and Natural Resour	03/13/2016	03/23/2016	05/17/2016
NV	BROWNFIELDS	Project Tracking Database	Division of Environmental Protection	01/13/2016	03/23/2016	05/17/2016
NV	COAL ASH	Coal Ash Disposal Sites	Division of Environmental Protection	10/02/2013	10/03/2013	11/01/2013
NV	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	03/21/2016	03/22/2016	05/17/2016
NV	Financial Assurance 2	Financial Assurance Information	Division of Environmental Protection	03/01/2016	03/04/2016	05/17/2016
NV	HMRI	Hazardous Materials Repository Information Data	State Emergency Response Commission	08/05/2008	08/05/2008	08/13/2008
NV	LUST	Sites Database	Department of Conservation and Natural Resour	01/13/2016	03/23/2016	05/17/2016
NV	NPDES	Permitted Facility Listing	Department of Environmental Protection	04/01/2016	04/05/2016	05/17/2016
NV	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Conservation and Natural Resour		07/01/2013	12/26/2013
NV	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Conservation and Natural Resour		07/01/2013	01/16/2014
NV	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Conservation and Natural Resour		07/01/2013	12/26/2013
NV	SHWS	Sites Database	Department of Conservation and Natural Resour	01/13/2016	03/23/2016	05/17/2016
NV	SWF/LF	Landfill List	Department of Conservation and Natural Resour	03/01/2016	03/04/2016	05/17/2016
NV	SWRCY	Recycling Information Listing	Department of Environmental Protection	02/22/2016	02/23/2016	05/17/2016
NV	UST	Underground Storage Tank List	Department of Conservation and Natural Resour	03/13/2016	03/23/2016	05/17/2016
NV	VCP	Voluntary Cleanup Program Sites	Department of Conservation & Natural Resource	08/16/2011	09/27/2011	10/12/2011
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2013	02/24/2015	09/30/2015
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2014	04/17/2015	06/02/2015
US	CORRACTS	Corrective Action Report	EPA	12/09/2015	03/02/2016	04/05/2016
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	03/01/2016	03/03/2016	04/05/2016
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	03/07/2016	04/05/2016	04/15/2016
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/20/2015	09/23/2015	01/04/2016
US	EDR Hist Auto	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/28/2016	03/30/2016	05/20/2016
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/13/2015	01/06/2016	05/20/2016
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	07/20/2015	09/09/2015	11/03/2015
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/22/2016	02/24/2016	05/20/2016
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/11/2016	03/15/2016	06/03/2016
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/24/2015	06/26/2015	09/02/2015
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	01/23/2015	02/06/2015	03/09/2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/27/2015	10/29/2015	01/04/2016
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	02/05/2016	04/29/2016	06/03/2016
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	02/17/2016	04/27/2016	06/03/2016
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	12/11/2015	02/19/2016	06/03/2016
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/09/2015	02/12/2016	06/03/2016
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/13/2015	10/23/2015	02/18/2016
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	02/25/2016	04/27/2016	06/03/2016
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2005	12/08/2006	01/11/2007
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/20/2015	10/29/2015	01/04/2016
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	02/05/2016	04/29/2016	06/03/2016
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/05/2015	11/13/2015	01/04/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	12/03/2015	02/04/2016	06/03/2016
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/23/2014	11/25/2014	01/29/2015
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	01/26/2016	02/05/2016	06/03/2016
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	02/25/2016	04/27/2016	06/03/2016
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	11/25/2014	11/26/2014	01/29/2015
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014
US	LUCIS	Land Use Control Information System	Department of the Navy	05/28/2015	05/29/2015	06/11/2015
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/07/2016	03/18/2016	04/15/2016
US	NPL	National Priority List	EPA	03/07/2016	04/05/2016	04/15/2016
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2014	10/15/2014	11/17/2014
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	03/07/2016	04/05/2016	04/15/2016
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/07/2015	07/09/2015	09/16/2015
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2015	08/26/2015	11/03/2015
US	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SEMS	Superfund Enterprise Management System	EPA	03/07/2016	04/05/2016	04/15/2016
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	03/07/2016	04/05/2016	04/15/2016
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2014	11/24/2015	04/05/2016
US	TSCA	Toxic Substances Control Act	EPA	12/31/2012	01/15/2015	01/29/2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/20/2015	10/27/2015	01/04/2016
US	US AIRS MINOR	Air Facility System Data	EPA	10/20/2015	10/27/2015	01/04/2016
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/22/2015	12/23/2015	02/18/2016
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/18/2016	03/07/2016	06/03/2016
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	09/10/2015	09/11/2015	11/03/2015
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/01/2015	09/03/2015	11/03/2015
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/18/2016	03/07/2016	06/03/2016
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	09/10/2015	09/11/2015	11/03/2015
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/09/2016	03/02/2016	04/15/2016
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	10/25/2015	01/29/2016	04/05/2016
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	07/30/2013	08/19/2013	10/03/2013
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	02/01/2016	02/03/2016	03/22/2016

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics
NV	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Human Resources
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service
NV	State Wetlands	Wetland Inventory	Natural Heritage Program

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	Topographic Map		U.S. Geological Survey			

STREET AND ADDRESS INFORMATION

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PHASE I
ENVIRONMENTAL SITE ASSESSMENT

WESTERN NEVADA RAIL PARK, LLC

DARWIN SIDING PROPERTY

CHURCHILL & LYON COUNTIES, NEVADA

SEPTEMBER 14, 2014

MINING, CIVIL, GEOLOGIC, & ENVIRONMENTAL SERVICES

35 HIGH RIDGE COURT - RENO , NV 89511 - TEL: (775) 851-0506 - FAX: (775) 852-9736

A Report Prepared For:

Western Nevada Rail Park, LLC
50 Freeport Boulevard, Ste. 11
Sparks, NV 89431

PHASE I ENVIRONMENTAL SITE ASSESSMENT
WESTERN NEVADA RAIL PARK, LLC
DARWIN SIDING PROPERTY
CHURCHILL & LYON COUNTIES, NEVADA

Robison Engineering Company
Job No. 1-313-03.001

JURAT

I, Wally Robison, hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Wally Robison

Wally Robison, C. E. M.
Principal

September 14, 2014

Robison Engineering COMPANY
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APPENDIX

1. EDR Summary Radius Map Report
2. EDR Certified Sanborn Map Report
3. EDR Aerial Photo Decade Package
4. Churchill & Lyon County Assessor Records
5. NDEP Closure Letter to Golden Gate SET Petroleum

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1.0 EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) conducted on approximately 247 acres of land in Churchill and Lyon Counties, Nevada. The work was performed for Western Nevada Rail Park, LLC. The property consists of a three separate but contiguous parcels referred to herein as the Darwin Siding Property. The Phase I services included a review of pertinent agency records, interviews of individuals with knowledge of the property, an evaluation of readily available aerial photographs, and a reconnaissance of the property. This report is intended to meet the ASTM Standard Practice E-1527-13 for a Phase I Environmental Site Assessment and the U. S. EPA's Standards and Practices for All Appropriate Inquiry.

Except for the presence of the Southern Pacific Railroad and an irrigation canal, the property was vacant and undeveloped land until 2000. Since then a portion of the property was developed into a railroad siding facility for the offloading of asphalt, asphalt emulsion, propane and other petroleum products, and pearlite from the railroad.

I have performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13, and with the U. S. EPA's Standards and Practices for All Appropriate Inquiry (AAI). There were no exceptions to, or deletions from, these practices. In my opinion there are no recognized environmental conditions associated with the property:

I have no recommendations for additional environmental assessment of the subject property.

This Executive Summary is subject to the limitations stated in Section 13 of this report.

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2.0 INTRODUCTION

2.1 PURPOSE AND PROJECT BACKGROUND

At the request of Mr. Paul Gianoli of Western Nevada Rail Park, LLC (WNLP), I agreed to conduct a Phase I ESA of WNLP's property located northwest of the small community of Hazen in Churchill County, Nevada. A portion of the property is also located in Lyon County. The property is referred to herein as the Darwin Siding Property. I understand that WNLP is in the process of selling a portion of the property and it requires the preparation of a Phase I ESA as part of the sales procedure. The purpose of the Phase I ESA was to review areas of possible environmental concern that could be identified in the course of the agreed work scope.

2.2 AUTHORIZATION

On September 5, 2014 Mr. Gianoli provided authorization for Robison Engineering to perform the work by signing Robison Engineering's service contract.

2.3 REGULATIONS

In 1980, Congress enacted the Comprehensive Environmental, Response, Compensation, and Liability Act (42 U. S. C. SS9601 et. seq., usually referred to as "CERCLA" or "Superfund."(1). CERCLA's purposes are to provide funding and enforcement authority for remediation of hazardous waste sites created in the past and for responding to hazardous substance spills. In 1986, Congress enacted revisions to CERCLA through the Superfund Amendments and Re- authorization Act (Pub. L. No. 99-449) referred to as "SARA." Section 107 (a) of CERCLA names present and past "owners or operators" of a site as potentially responsible parties for the liability of site remediation if the site is found to contain hazardous wastes.

The U. S. EPA's All Appropriate Inquiry (AAI) rule (40 CFR Part 312), became effective November 1, 2006.

I conducted this Phase I ESA to assist WNLP and its prospective purchaser in forming their own assessment of potential environmental risks in association with the sale/purchase of a portion of the property.

2.4 QUALIFICATIONS OF PROFESSIONAL STAFF

I have a B. S. degree in Geological Engineering with 42 years of professional experience. I am a Nevada Certified Environmental Manager. I have prepared numerous Phase I ESAs throughout Nevada and other Western States.

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3.0 SCOPE OF WORK

WNLP requested that I evaluate the subject property for environmental concerns. My work included various reconnaissance level tasks focused at providing limited preliminary environmental information.

My Phase I ESA scope of services included:

- Collection and review of local and state agency records.
- Review of historical aerial photographs.
- Reconnaissance of the site and site vicinity to assess areas of potential environmental concern, including obvious evidence of facilities, structures, chemical use, storage, or disposal.
- Interviews with people knowledgeable of the site.
- Preparation of this Report of Findings.

The proposed scope of work did not include a radon gas survey, inspections within buildings to sample for polychlorinated biphenyls (PCBs), asbestos, etc., or evaluation of biologically sensitive areas, such as, wetlands, archaeological sites, flood plains, earthquake faults, etc., or other services not described.

This scope is intended to meet the ASTM E 1527-13 standard for a Phase I ESA and the U. S. EPA's Standards and Practices for All Appropriate Inquiry.

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4.0 SITE OVERVIEW

4.1 LOCATION

The property contains approximately 247 acres contained in three separate but contiguous parcels located in Section 29 of Township 20 North, Range 26 East, M. D. B. M., about two miles northwest of the small community of Hazen in Churchill and Lyon Counties, Nevada. The regional location of the property is shown on the following Figure 1. The following Figure 2 presents a topographic map showing the outline and topography of the property. The Churchill County Assessor Parcel Numbers (APNs) for the property are 009-251-77 and 009-251-78. The Lyon County APN for the property is 021-392-10.

4.2 SITE DESCRIPTION

Elevation of the property averages about 4,060 feet above sea level. The property is very lightly vegetated with high desert grasses and shrubs. General drainage on the property is to the southeast.

The developed portions of the property are around Darwin Siding on the Southern Pacific Railroad, and a cell phone tower located near the far northwest corner of the property, adjacent to U. S. Alt. Highway 50. The railroad right-of-way runs approximately through the center of the property, with the Darwin Siding area located on the southwest side of the railroad. There is an irrigation canal that roughly parallels the railroad on the northeast side of the tracks, otherwise there are no developments northeast of the tracks. Buildings at the Darwin Siding area include the steel shop and office occupied by WNRP, and the steel shop and office trailer occupied by Turner Propane. The buildings are on slab foundations and are heated with propane. Water is provided from an onsite well and sewage is handled through an onsite septic system. Electricity is provided to the facility by NV Energy. There are no underground tanks on the property except for the septic tank. Above ground asphalt tanks and an asphalt loading rack are located immediately northwest of the WNRP shop/office building. Above ground propane tanks are located immediately southeast of the Turner Propane shop and office trailer. Trash is removed from the property on an as needed basis. The cell phone tower area is enclosed by a chain link fence. The tower, three small electrical control buildings, and two standby diesel electric generators are contained with the fenced enclosure.

4.3 ADJACENT PROPERTIES

The north and east sides of the property are bordered by public lands administrated by the U. S. Bureau of Land Management. Facilities for the Patua Geothermal Plant are located on portions of these lands. The southwest side of the property is bordered by U. S. Alt. Highway 50. Private property is present southwest of the highway. A lightly developed commercial area is present near the southeast corner of the property on the southwest side of the highway. Businesses in this area include Vista Equipment, Inc. and BLT Ready Mix, Inc.

An aerial photograph of the entire property showing the two developed areas of the property and surrounding features is presented on the following Figure 3, and a more detailed aerial photo of the Darwin Siding area is presented on the following Figure 4.

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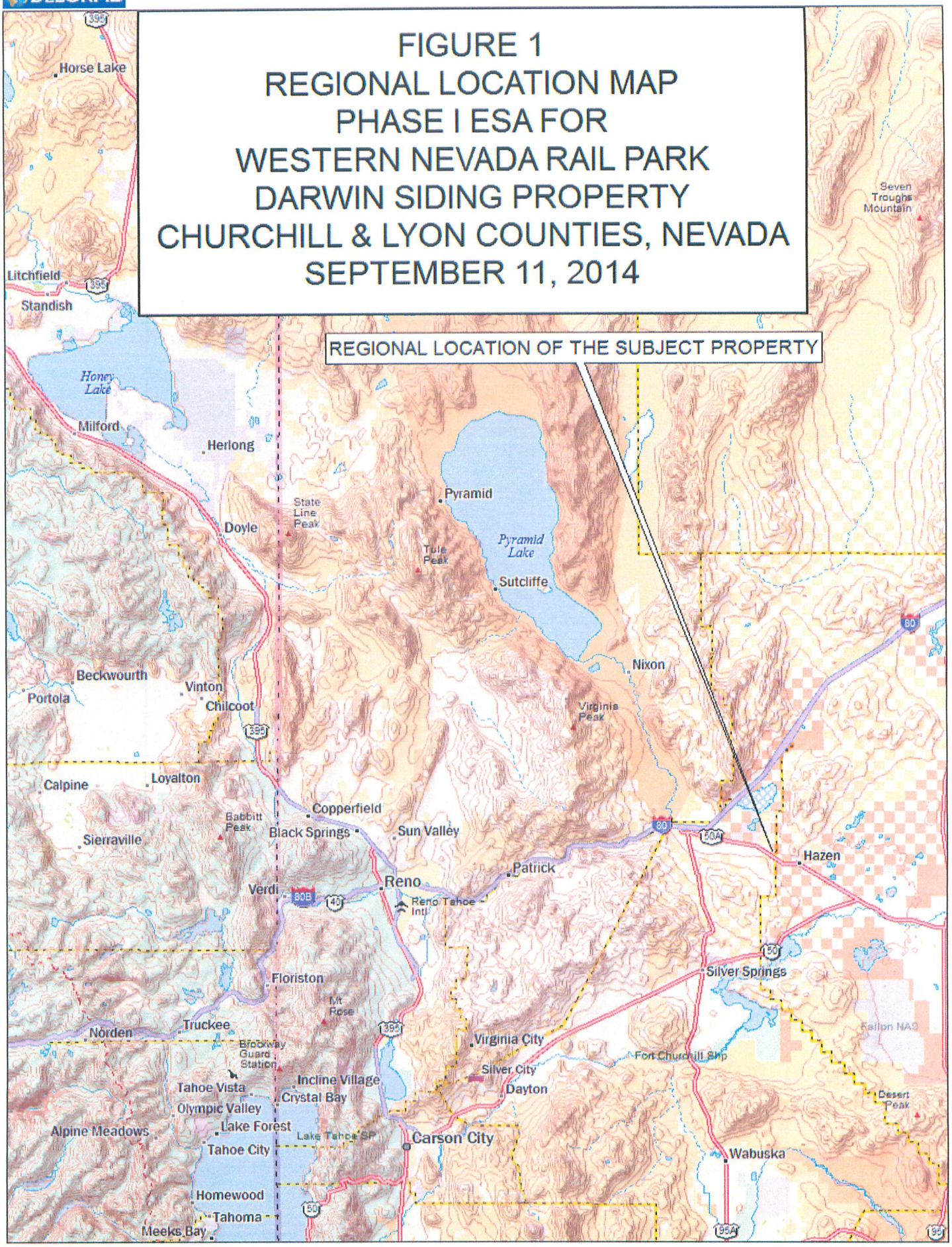
FIGURE 1
REGIONAL LOCATION MAP
PHASE I ESA FOR
WESTERN NEVADA RAIL PARK
DARWIN SIDING PROPERTY
CHURCHILL & LYON COUNTIES, NEVADA
SEPTEMBER 11, 2014



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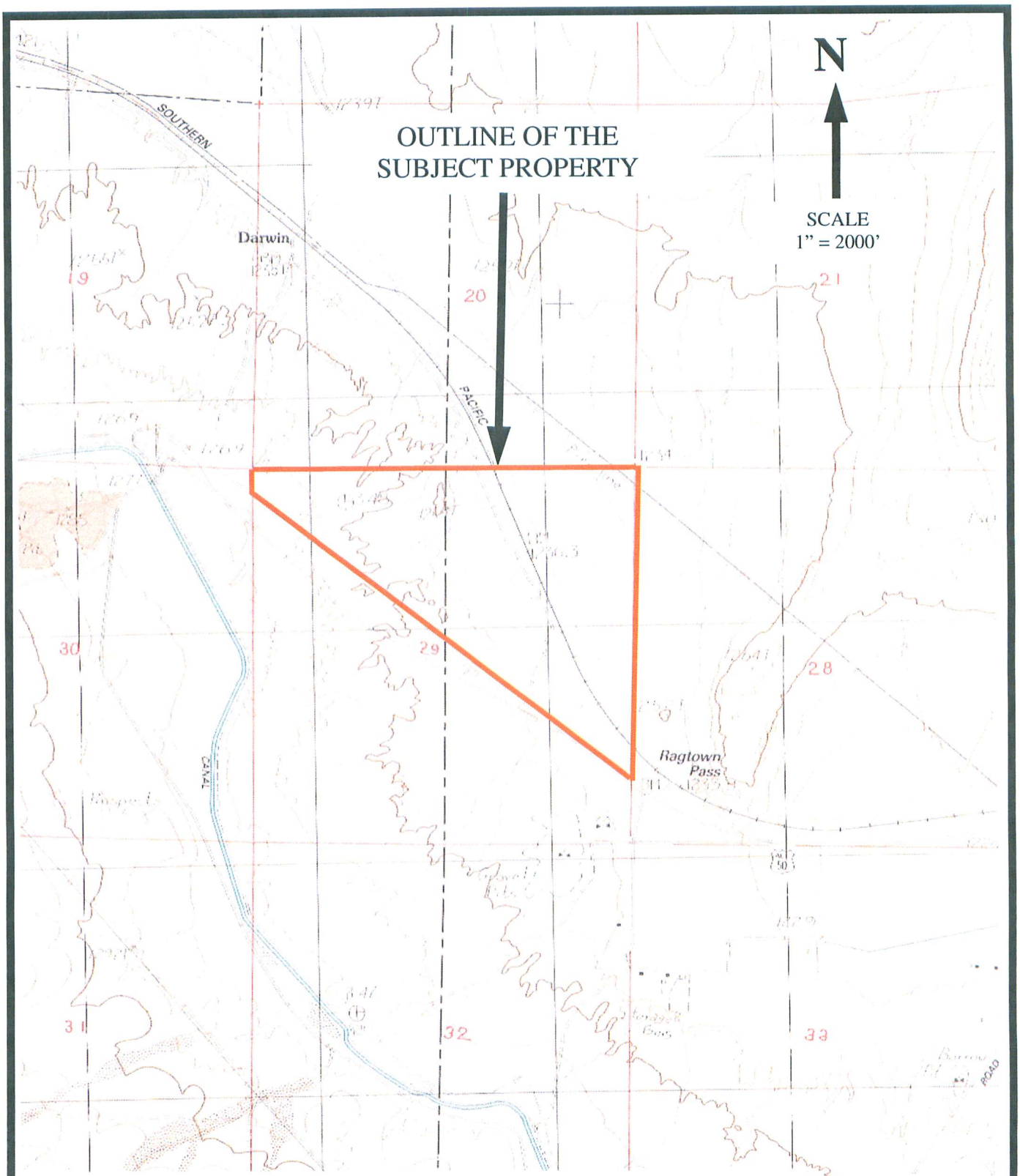
MN (13.8° E)

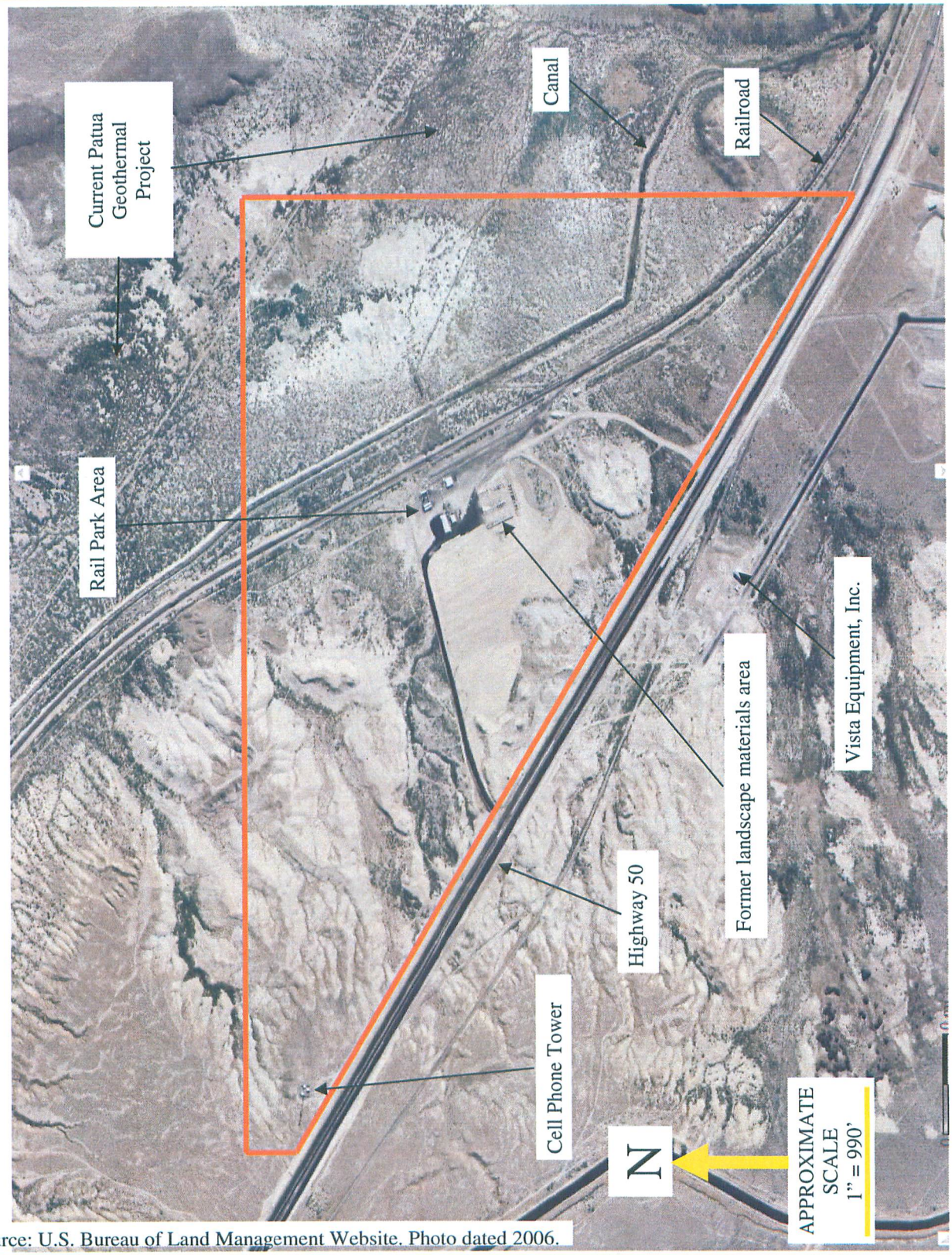
0 4 8 12 16 20 mi

Data Zoom 8-0



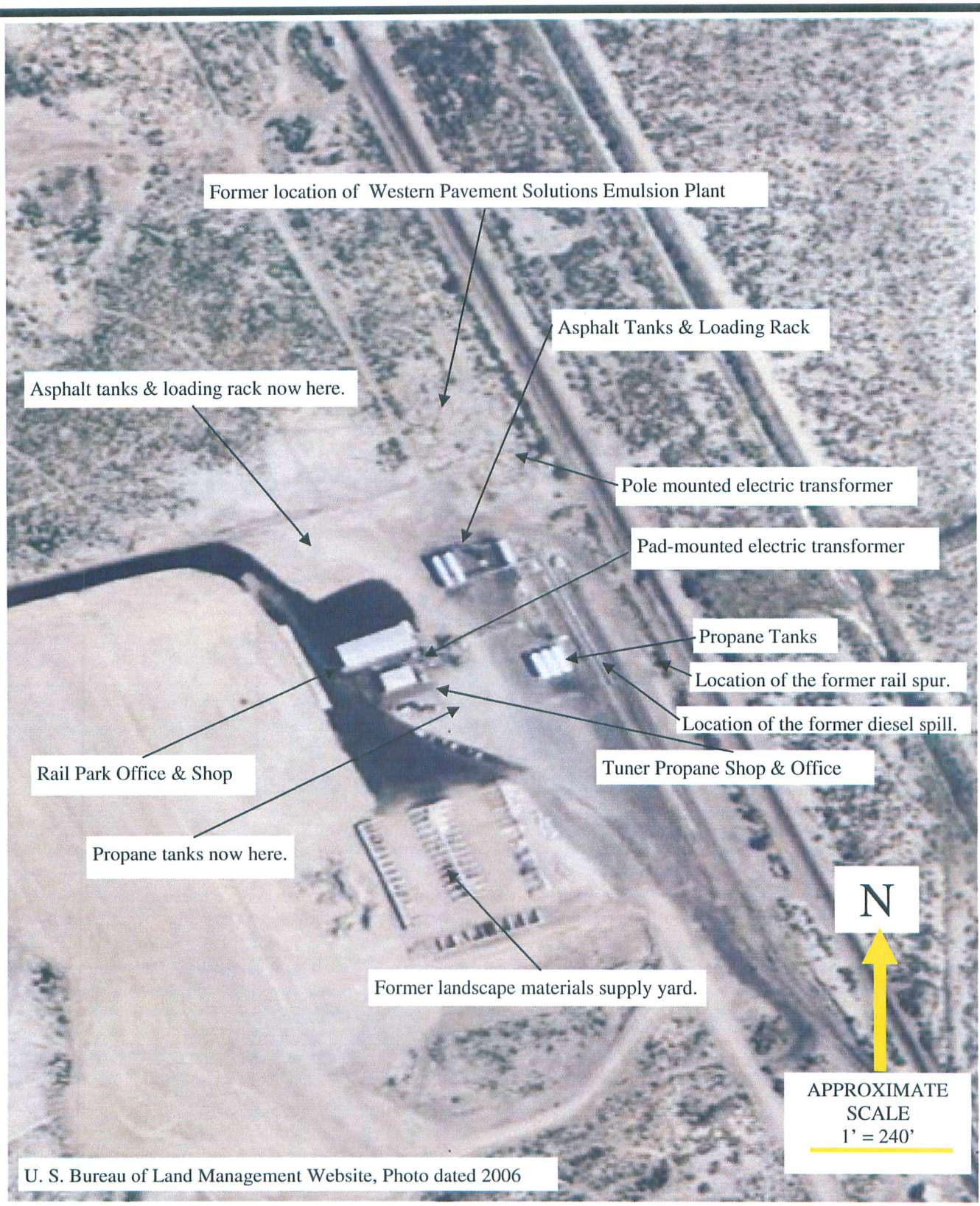
SOURCE: USGS 7.5' HAZEN, NEV. QUADRANGLE, PROVISIONAL EDITION, 1985

ROBISON ENGINEERING COMPANY	**SITE TOPOGRAPHIC MAP** **PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 11, 2014		2
PROJECT NO. 1-313-03.001		



Source: U.S. Bureau of Land Management Website. Photo dated 2006.

ROBISON ENGINEERING COMPANY	**SITE AERIAL PHOTOGRAPH** **PHASE I ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		3
PROJECT NO. 1-313-03.001		



ROBISON ENGINEERING COMPANY	**SITE AERIAL PHOTOGRAPH** **PHASE I ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		4
PROJECT NO. 1-313-03.001		

5.0 SITE HISTORY AND OPERATIONS

The history of development in this area of Nevada is closely tied to the Newlands Irrigation Project. This irrigation project began with the Reclamation Act of 1902 that was enacted by Congress to make water from the Truckee and Carson Rivers available for irrigating the dry Nevada desert. With the completion of the Lahontan Dam and the Truckee Canal in 1913, the community of Fernley, and outlying farms, grew to take advantage of the new water. The nearby site of Hazen was at one time a stop on the Southern Pacific Railroad, and has the dubious distinction of being the site of Nevada's last lynching. [(2)]

Through review of Churchill and Lyon County Assessor records, I found that in 1990 the property was owned by the Atchison, Topeka, and Santa Fe Railroad. At that time the only developments on the property were the railroad and canal. Ownership of the property was transferred to Silver State Land Company in 1995, and then to Nevada Land and Resource Company in 1996, and then to Intermountain Asphalt Supply in 2000, who developed the Darwin Siding facility at that time. Paul Gianoli and John Lawson bought the property in 2003 and later operated it under the name of WNRP. WNRP granted a right-of-way easement to New Cingular Wireless in August 2014.

Through review of historic aerial photos I found that in 1954 the property was undeveloped except for the railroad and the canal. The property remained undeveloped in photos taken in 1974, 1980, 1990, and 1994. In a 2006 the Darwin Siding area of the property had been developed.

Through an interview with Paul Gianoli I found that he and his partner operated the facility as an asphalt supply terminal beginning in 2003. They operated a landscape materials supply business in 2006 and 2007. They leased use of the siding to Golden Gate SET Petroleum who unloaded transmix (a product resulting from the mixing of different petroleum products that is produced when different products are run through a pipeline) in 2008, have leased use of the siding to Dicapearl who has unloaded pearlite at the site for the last three years, and to Turner Propane who has unloaded propane at the site for the last two years. They leased an area of the site to Western Pavement Solutions who operated an asphalt emulsion facility at the site in 2012 and 2013.

I found no records of any other uses of the property.

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6.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

6.1 REGIONAL PHYSIOGRAPHY

The property is located near the western edge of the Basin and Range physiographic province, which is characterized by generally north-south trending mountain ranges, separated by intervening valleys or basins. The basins represent down-dropped blocks of earth (grabens) relative to the up-thrown ranges (horsts) on the basin edges. The subject property lies near the west end of the Forty Mile Desert, which is a graben relative to the surrounding mountain ranges. The horst and graben topography that characterizes much of Nevada was created by numerous normal faults that occurred primarily in the Tertiary geologic period, although faulting and earthquake activity continues throughout Nevada to the present.

6.2 SITE SPECIFIC GEOLOGY AND HYDROGEOLOGY

The subject property is mainly underlain by Quaternary-aged Lake Lohantan lake beds consisting of sand, silt, and clay. One outcrop of solid rock is present near the southwest side of the property. These rocks are Tertiary-aged basalt and basaltic andesite that comprise much of the Hot Springs Mountains to the north. (3)

I searched the Nevada Division of Water Resources (NDWR) web site and found records for 5 water wells drilled in Section 29 (the location of the subject property), one of which is the well on the property. This well was installed by Intermountain Asphalt Supply in 1999. The depth to water in this well was reported at 8 feet below the ground surface. Based on topography, the direction of groundwater flow can be expected to be to the southeast.

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7.0 ASSESSMENT ACTIVITIES

7.1 RECORD SEARCH AND INTERVIEWS

Records contained in state and local agency files, and interviews with on-site and adjacent land tenants can often reveal historic information of potential environmental concern related to a property or the surrounding area. Many of the agencies, however, have maintained these types of files for only a short period of time (approximately the past twenty five years). Section 8.1 of this document summarizes the results of my record search and interviews.

7.2 AERIAL PHOTOGRAPH REVIEW

Review of historical aerial photographs is one means of identifying past activity on or adjacent to a site. Photographs may provide evidence of site operations, housekeeping practices, dumping or disposal activity, ground scarring, spills, leaks, stains, or other features of interest. The size of a feature that may be resolved is partially dependent upon the scale of the available aerial photography.

I was able to obtain seven aerial photographs taken in that covered the subject property. My observations on these photos are discussed in Section 8.2 of this report.

7.3 SITE RECONNAISSANCE

I visited the property to assess current conditions on September 9, 2014. My reconnaissance included a visual search for evidence of current and past use of the property, with specific emphasis on chemical use, storage, and/or disposal. I also observed the adjacent property for evidence of potential impact to the subject property. Potential impacts from off-site activities could result from:

- Poor housekeeping practices;
- Under or above-ground fuel/chemical storage;
- Chemical or fuel spills; and
- Authorized or unauthorized dumping of wastes.

Section 8.3 of this document summarizes the results of my site reconnaissance.

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8.0 RESULTS OF ASSESSMENT ACTIVITIES

8.1 RECORDS SEARCH AND INTERVIEW RESULTS

I retained Environmental Data Resources, Inc. (EDR) to review a total of 78 different environmental databases for listings of the subject property or properties within a maximum two mile radius of the center of the subject property. The following summarizes the most pertinent lists reviewed by EDR:

AGENCY	DATABASE	TYPE OF RECORD	RADIUS	LIST DATE
US EPA	NPL	National Priority List	1 mile	10-25-13
US EPA	CERCLIS	Sites under review by EPA	½ mile	10-25-13
US EPA	CORRACTS	Corrective Actions	1 mile	3-11-14
US EPA	RCRA-TSD	Haz. waste handlers	½ mile	3-11-14
US EPA	LG GEN	RCRA registered large quantity generators of hazardous waste	1/8 mile	3-11-14
US EPA	SM GEN	RCRA registered small quantity generators of hazardous waste	1/8 mile	3-11-14
US EPA	ERNS	Emergency response notification system	Site	9-30-13
Nevada	SHWS	Corrective action sites	1 mile	7-7-14
Nevada	SWLF	Solid waste landfills	½ mile	7-7-14
Nevada	LUST	Leaking underground storage tanks	½ mile	4-16-14
Nevada	UST	Registered underground storage tanks	1/4 mile	4-16-14
Nevada	AST	Registered above ground storage tanks	Site	4-16-14

EDR found no environmental database listings for the subject property. EDR found only two environmental database listings for sites near the property; one on the Nevada air quality permit list for BLT Ready Mix, Inc. located on Alt. Highway 50 southwest of the property, and the other on the US Mines list for Jack Tedford, Inc. located near the same location. Neither listing indicated a potential environmental threat to the subject property. They found listings for 25 "orphan" sites, which are sites that cannot be mapped because they have poor or inadequate address information. I reviewed the sites listed on the orphan list and found one of the sites listed as Greenu Commodities. Greenu Commodities is a prospective purchaser of the property and its name appeared on the list because it has started its permitting process for recycling used tires. A copy of EDR's report is contained in the Appendix. EDR's report also provides a more complete description of the types of lists reviewed.

I retained EDR to produce a historic Sanborn Fire Insurance Map of the property. EDR found that Sanborn Fire Insurance Company never mapped the property. A copy of EDR's Certified Sanborn Map Report is contained in the Appendix.

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I reviewed Churchill and Lyon County Assessor information for the property. The information includes the ownership of the property and the improvements thereon. The listing shows that the property was owned The Atchison, Topeka and Santa Fe Railroad in 1990, and passed through several parties before being owned by WNRP in 2004. The improvement list for the property does not conflict with my knowledge of the improvements on the property. Copies of the County Assessor records are contained in the Appendix.

I reviewed a file on the property provided to me by Paul Gianoli that pertained to a diesel fuel release that occurred on the property in 2008. A tenant on the property at the time, Golden Gate SET Petroleum, overfilled the fuel tank on one of its trucks, resulting in a release of an estimated 159 gallons of diesel fuel to the site soils. Golden Gate acted promptly in excavating 148 tons of contaminated soil and hauling it to Nevada Thermal Services in Mustang, Nevada for thermal treatment. As required, Golden Gate appropriately notified the Nevada Division of Environmental Protection (NDEP) of the release and subsequent remediation. On February 12, 2009 the NDEP issued a letter to Golden Gate stating that the remedial action was complete, with no further action required. A copy of the NDEP letter is contained in the Appendix. Under normal circumstances EDR would have found an environmental database listing for this incident, but in reviewing the remediation contractor's report to the NDEP, I found that the contractor had improperly provided the location of the release, stating that the release occurred in the community of Hazen, and not on the subject property.

Apparently when the siding track was first laid in 2000, it was improperly placed on the railroad right-of-way, as well as the asphalt and propane tanks. In 2007 the railroad requested that WNRP move the facility off of the right-of-way, several dozen feet to the southwest. The railroad also requested that WNRP sample the soil beneath the former siding tracks for the presence of total petroleum hydrocarbons (TPH). WNRP complied with the railroad's request. In May 2007 WNRP retained me to sample the soil. I sampled the soil and found only very low concentrations of TPH, well below the Nevada action level. Furthermore I attributed the low levels of TPH in the soil to small blebs of asphalt in the soil. Nevada does not regulate asphalt, other than it cannot be disposed of in any surface water. The railroad accepted my report and no further action was required. The former location of the rail spur and tanks is shown on Figure 4. As discussed below, the current location of the rail spur and tanks is shown on the 2010 aerial photograph in EDR's Aerial Photo Decade Package contained in the Appendix.

I interviewed Paul Gianoli, one of the owners of the property. He told me of his knowledge of the history of the property, including the various entities that have operated on the property since 2003. He was not aware of any environmental problems with the property or of any environmental liens against the property.

In summary my record search and interview failed to disclose the presence of recognized environmental conditions on the property.

8.2 AERIAL PHOTOGRAPH REVIEW RESULTS

I retained EDR to obtain historic aerial photographs of the property and vicinity. The photos were dated 1954, 1974, 1980, 1990, 1994, 2006, and 2010. The photos showed that except for the railroad and canal, there were no developments on the property from 1954 through 1994. The current siding facility did not appear on the property until a photo taken in 2006. In the 2010 photo the siding tracks and tanks had been moved to their current location.

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In summary, the aerial photos did not disclose the presence of activities on the property that conflicted with my knowledge of the history of the property, or that showed any indication of recognized environmental conditions on the property.

Copies of the EDR photos are contained in the Appendix.

8.3 SITE RECONNAISSANCE RESULTS

I visited the property on September 9, 2014. I had free access to the property any was able to walk or drive throughout the property. I noted the presence of the asphalt loading rack and asphalt tanks. There was some asphalt on the ground, but asphalt is not a regulated material in Nevada. I noted the presence of three electric transformers on the property; a pad mounted transformer near WNRP's office/shop, a pole mounted transformer that serves the railroad switching equipment, and a pole-mounted transformer near the cell phone tower. There was no sign of leakage from these transformers. I noted the presence of a 55-gallon drum near the shop occupied by Turner Propane. An employee of Turner Propane told me that there was used oil in the drum that he brings to the site when he changes the oil in his vehicles at home. When the barrel gets full he will dispose of the oil properly offsite. He told me that the propane delivery trucks are serviced offsite. I noted the presence of a small pile of trash that had been pushed into a pile southeast of the siding area. It looked as if the material in the pile came from the landscape materials business that formerly operated on the property. I did not note the presence of hazardous or regulated materials in the pile. At a location north of the asphalt tanks I noted insulated piping scattered on the ground. It is my understanding that this piping remained after Western Pavement Solutions removed their asphalt emulsion plant from the property in 2013. At the cell phone tower I noted the presence of two standby diesel electric generators. Diesel fuel is stored in the base of the units for operating the diesel engines. There was no sign of leakage from the generator bases.

In summary, I did not note the presence of recognized environmental conditions on the property.

Photographs taken during my site reconnaissance are presented on the Following Figures 4 through 12

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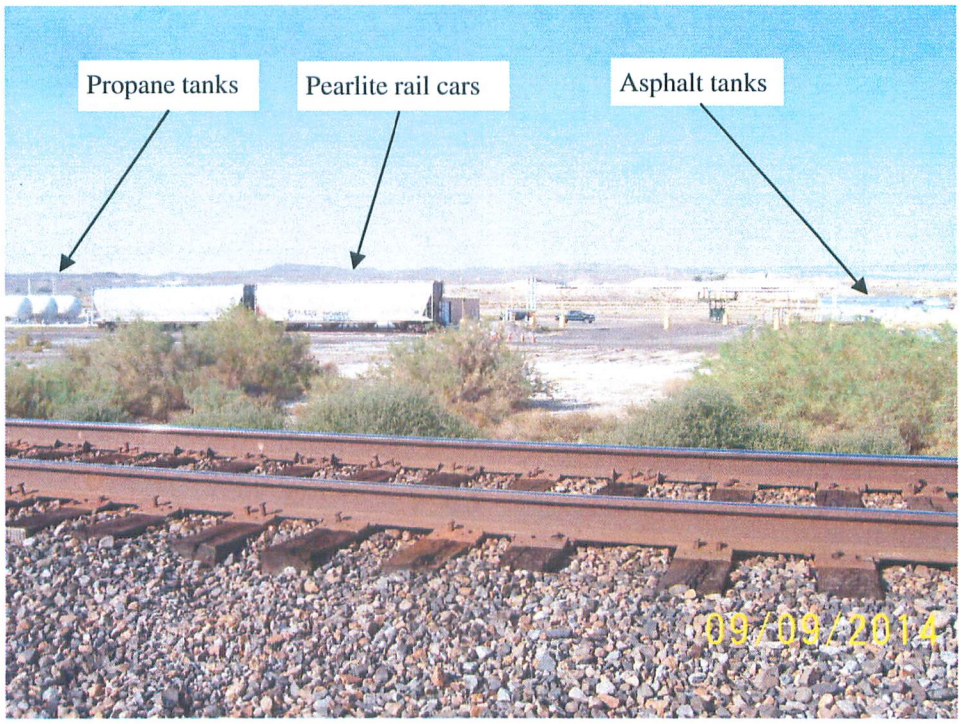
Looking north at the asphalt loading rack with the asphalt tanks in the rear.

Looking east at the western-most asphalt tank.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		5
PROJECT NO. 1-313-03.001		

Looking northeast at a propane rail car.



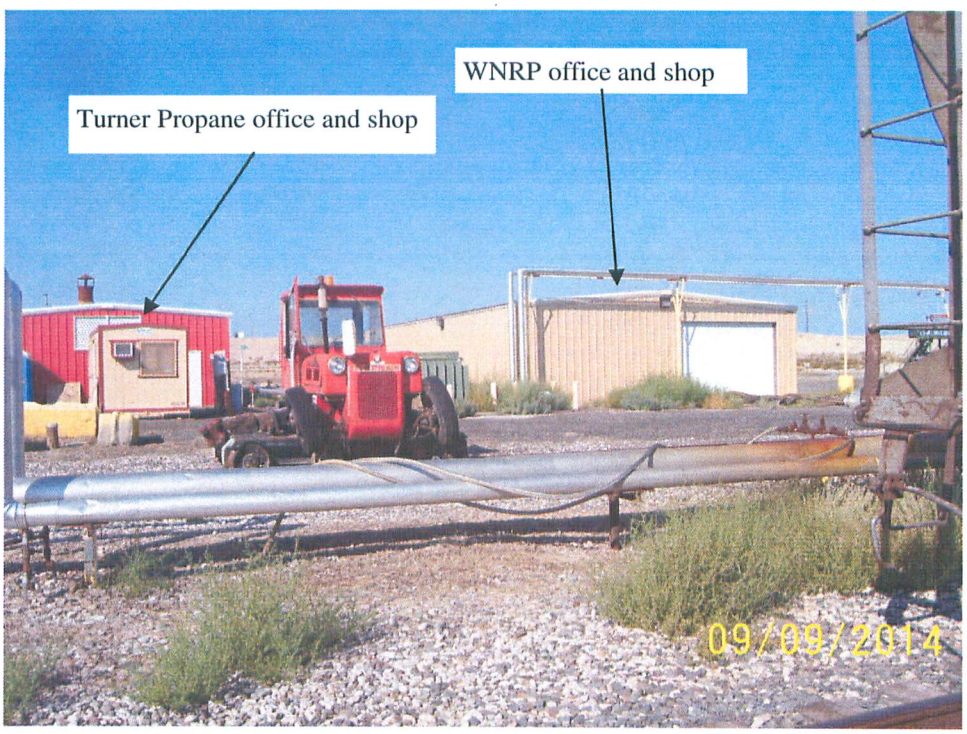
Looking southwest at the rail park facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		6
PROJECT NO. 1-313-03.001		

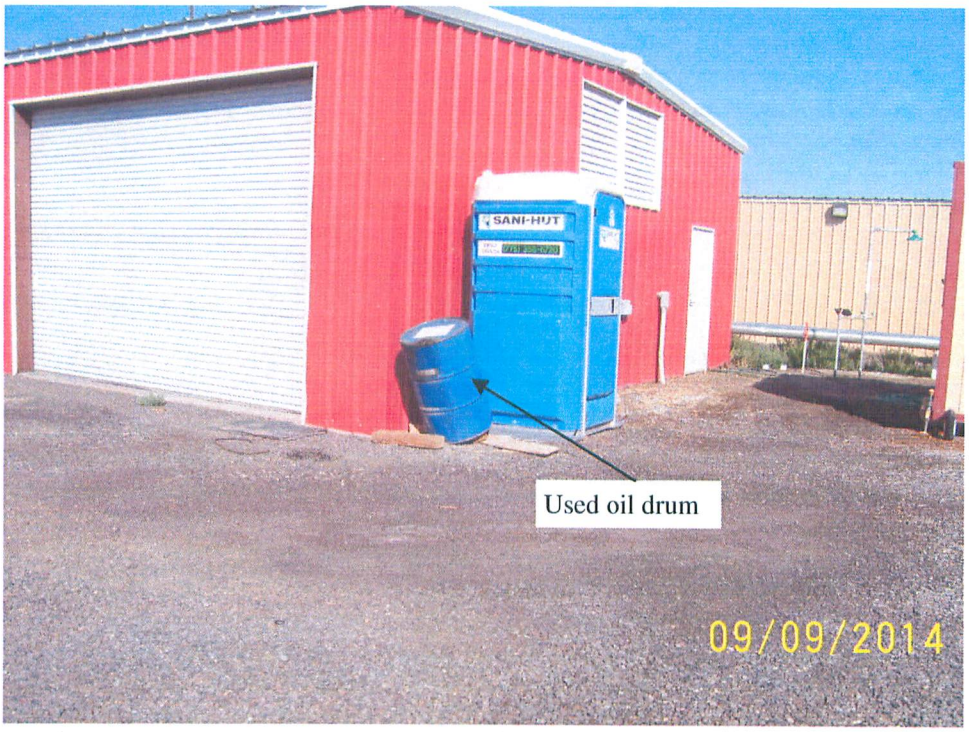
Looking southeast at the canal located northeast of the facility.

Looking northwest at the switch control station on the railroad right of way.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		7
PROJECT NO. 1-313-03.001		

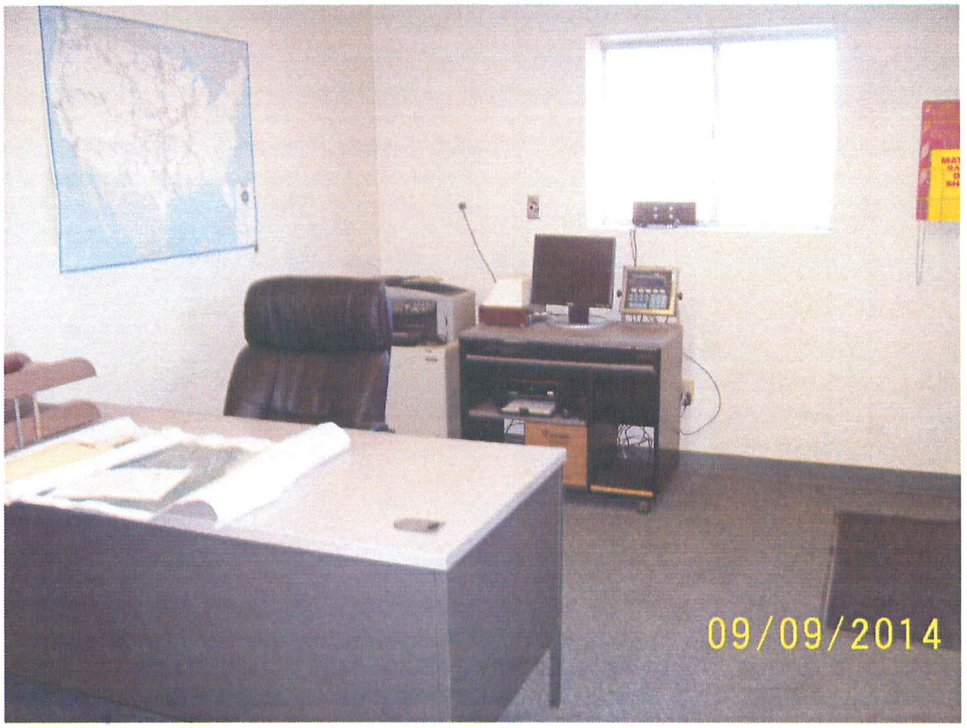


Looking southwest at the center of the facility.



Looking northwest at Turner Propane shop.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		8
PROJECT NO. 1-313-03.001		



Inside WNRP office.

Inside WNRP shop.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		9
PROJECT NO. 1-313-03.001		

Looking north at scrap materials left behind by Western Pavement Solutions.

Looking southeast at the rail spur to the facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		10
PROJECT NO. 1-313-03.001		

Looking west across the undisturbed parcel of land northeast of the railroad.
Black pipe is associated with the Patua Geothermal facility and is not on the subject property.

Looking southwest at the pad-mounted transformer located near the center of the facility.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		11
PROJECT NO. 1-313-03.001		

Looking north at the cell phone tower located near the northwest end of the site.

View of one of two diesel-electric generators located within the cell phone tower enclosure.
Photos taken by Wally Robison

ROBISON ENGINEERING COMPANY	**SITE PHOTOGRAPHS** **PHASE 1 ESA FOR** **WESTERN NEVADA RAIL PARK** **DARWIN SIDING PROPERTY** **CHURCHILL & LYON COUNTIES, NEVADA**	FIGURE
DATE: SEPTEMBER 12, 2014		12
PROJECT NO. 1-313-03.001		

9.0 DISCUSSION OF FINDINGS

The property was vacant and essentially undeveloped until 2000, when the siding facility was built to offload asphalt and propane. Since then the facility has been used by several different companies to offload materials from the railroad including asphalt, propane, other petroleum products, and pearlite. Of these materials, the petroleum products are the only materials that had the potential to impact the environmental condition of the property. I did not note any evidence of spills or leaks of petroleum products at the site. Golden Gate SET Petroleum experienced an accidental release of diesel fuel to the site soil in 2008, but the release was remediated to the satisfaction of the NDEP.

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10.0 CONCLUSIONS

I offer the following opinion as to whether the all appropriate inquiry conducted in accordance with 40 CFR Part 312 has identified conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the subject property: In my opinion there are no recognized environmental conditions on the property.

I identified no data gaps (as defined in 40 CFR Part 312.10) in the information developed as part of the all appropriate inquiry that affects my ability as an environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances on, at, in, or to the subject property.

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11.0 RECOMMENDATIONS

I have no recommendations for additional environmental assessment of the subject property.

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12.0 REFERENCES

1. Arbukle, Gordon J. et al., 1989, Environmental Law Handbook, Tenth Edition, Government Institutes, Inc.

2. Glass, Mary Ellen and Al, 1983, Touring Nevada, University of Nevada Press

3. Willden, Ronald and Speed, Robert C.., 1974, Geology and Mineral Deposits of Churchill County, Nevada, University of Nevada, Reno.

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13.0 LIMITATIONS

Environmental assessments such as presented in this report are by nature non-comprehensive and subject to limitations including those presented below. This assessment was not designed to identify all potential concerns or eliminate the probability of acquiring land with some degree of risk.

Many of the agencies consulted only keep records for the past five to ten years. Efforts were made to interview agency personnel with historical knowledge of the site, but information received in this way is subject to many errors, including personal interpretations/memory.

Analysis of historical aerial photography is one means to remotely sense environmental conditions of a site. Photographs can provide a record of activity and/or practices evident at a particular point in time. Inherent limitations include the resolution of the photography, the number and scale of photographs that are available for analysis, and the interpretation of features provided by the analyst.

I have performed this environmental site assessment in accordance with the generally accepted standards of care and diligence normally practiced by reputable environmental consulting and engineering firms in performing such work at the time of this study. This study was conducted in conformance with ASTM Standard E-1527, Standard Practice for Environmental Site Assessments, and with the U. S. EPA's Standards and Practices for All Appropriate Inquiry. Please recognize that definition and evaluation of environmental conditions is a difficult and inexact art. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface and/or historic conditions applicable to the property. I should be notified for additional consultation Western Nevada Rail Park, LLC, or a prospective purchaser of the property wish to reduce the uncertainties beyond the level associated with this study. Because of potential changes in the environmental field such as regulations and site conditions, this report should be considered current only as of the date of my site reconnaissance. This report is for the sole use of Western Nevada Rail Park, LLC and its prospective purchaser of the property. No warranty, express or implied, is made.

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APPENDIX

1. EDR Summary Radius Map Report
2. EDR Certified Sanborn Map Report
3. EDR Aerial Photo Decade Package
4. Churchill and Lyon County Assessor Records
5. NDEP Closure Letter to Golden Gate Set Petroleum

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Western Nevada Rail Park
Rural Route
Fallon, NV 89406

Inquiry Number: 4060596.2s
September 09, 2014

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

RURAL ROUTE
FALLON, NV 89406

COORDINATES

Latitude (North):	39.5733000 - 39˚ 34' 23.88''
Longitude (West):	119.0868000 - 119˚ 5' 12.48''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	320755.4
UTM Y (Meters):	4382270.5
Elevation:	4060 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	39119-E1 HAZEN, NV
Most Recent Revision:	1985

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20100614
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ..... Sites Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Landfill List

State and tribal leaking storage tank lists

LUST ..... Sites Database
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ..... Underground Storage Tank List

EXECUTIVE SUMMARY

AST ..... Aboveground Storage Tank List
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Project Tracking Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY ..... Recycling Information Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems

EXECUTIVE SUMMARY

ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
RMP..... Risk Management Plans
NPDES..... Permitted Facility Listing
HMRI..... Hazardous Materials Repository Information Data
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
PRP..... Potentially Responsible Parties
Financial Assurance..... Financial Assurance Information Listing
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH..... Coal Ash Disposal Sites
COAL ASH DOE..... Steam-Electric Plant Operation Data
US FIN ASSUR..... Financial Assurance Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank
RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, and dated 01/30/2014 has revealed that there is 1 US MINES site within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK N TEDFORD INC		SSE 1/4 - 1/2 (0.494 mi.)	2	9

AIRS: A listing of permitted Airs facilities and their associated emissions information.

A review of the AIRS list, as provided by EDR, and dated 03/31/2011 has revealed that there is 1 AIRS site within approximately 0.5 miles of the target property.

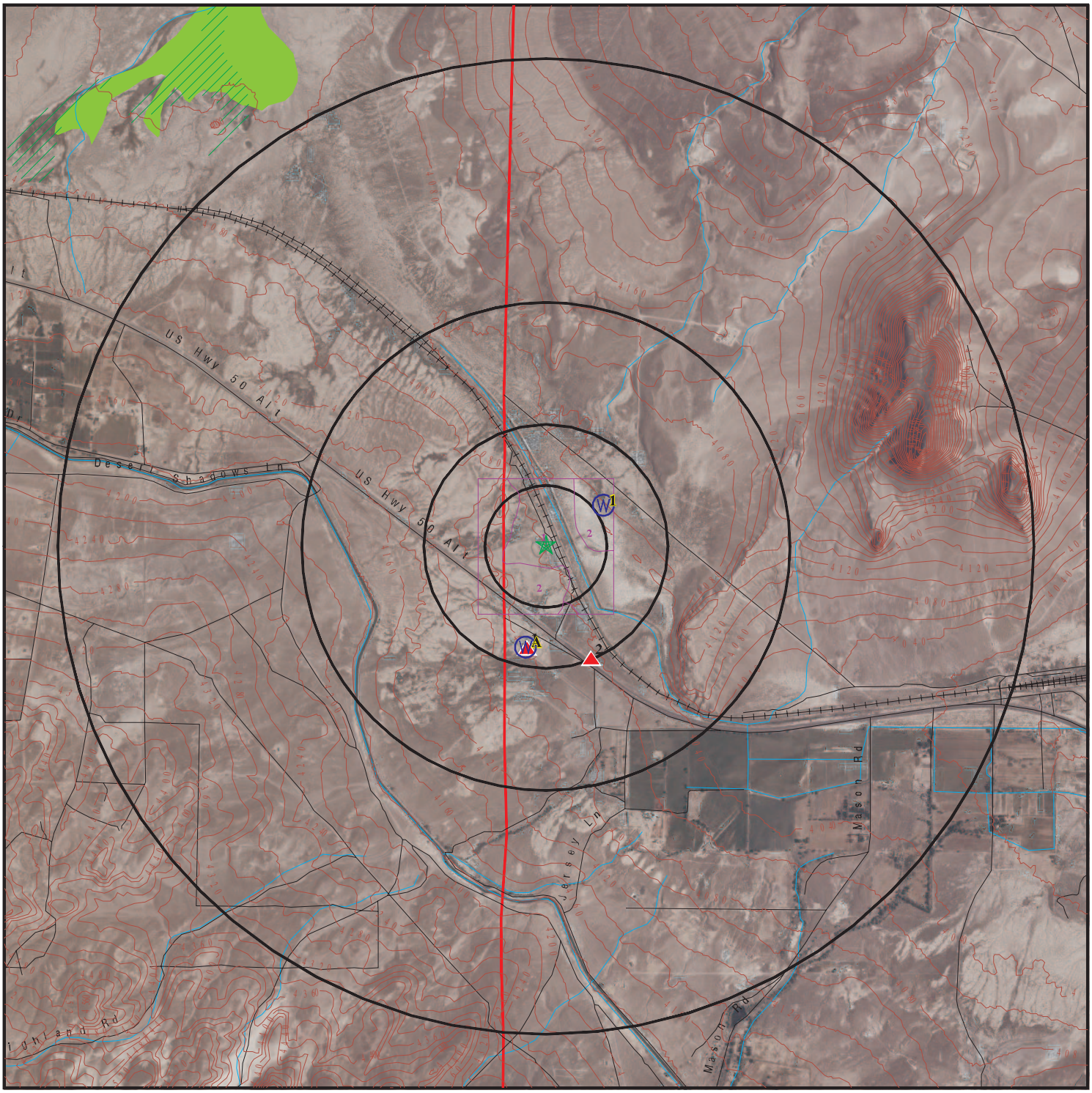
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLASS 3		S 1/4 - 1/2 (0.423 mi.)	1	7

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 25 records.

Site Name	Database(s)
OXBOW GEOTHERMAL CORP	RCRA NonGen / NLR, US AIRS
NEVADA CEMENT COMPANY	FTTS, HIST FTTS
LIN CUBING CO / JIM LIN	FTTS, HIST FTTS
RUSSELL PASS LANDFILL	SWRCY
FERNLEY TRANSFER STATION	SWRCY
NEVADA DEPARTMENT OF TRANSPORTATIO	SHWS
BRADYS HOT SPRINGS GEOTHERMAL POWE	SHWS
WESTERN LANDS DEVELOPMENT CORPORAT	SHWS
BURLINGTON NORTHERN SANTA FE RAILW	SHWS
U.S. BUREAU OF RECLAMATION , PISTO	SHWS
NEVADA CEMENT COMPANY	SHWS
FERNLEY INTERMEDIATE SCHOOL	SHWS
FERNLEY READY MIX	SHWS
JACKSONS FOOD STORE #27 , APN 021-	SHWS, LUST
USDOE PROJECT SHOAL SITE	CERCLIS, RCRA NonGen / NLR
SAND SPRING SILVER-LORRAINE LEAC	CERC-NFRAP
FALLON PEST CONTAINER DSPL SITE	CERC-NFRAP
GREENU COMMODITIES	SWF/LF
GREENU COMMODITIES	SWF/LF
FRENCHMAN STATION	UST
FALLON PISTOL RANGE	RCRA NonGen / NLR
NEVADA CEMENT CO	FINDS
LIN CUBING INCORPORATED	ICIS, FINDS
NEVADA CEMENT - MUSTACHE POZZOLAN	FINDS
RENO-FERNLEY RACEWAY RV PARK	FINDS

overview MAP - 4060596.2s



0 1/2 1 2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Western Nevada Rail Park	CLIENT: Robison Engineering
ADDRESS: Rural Route Fallon NV 89406	CONTACT: Wally Robison INQUIRY #: 4060596.2s
LAT/LONG: 39.5733 / 119.0868	DATE: September 09, 2014 4:55 pm

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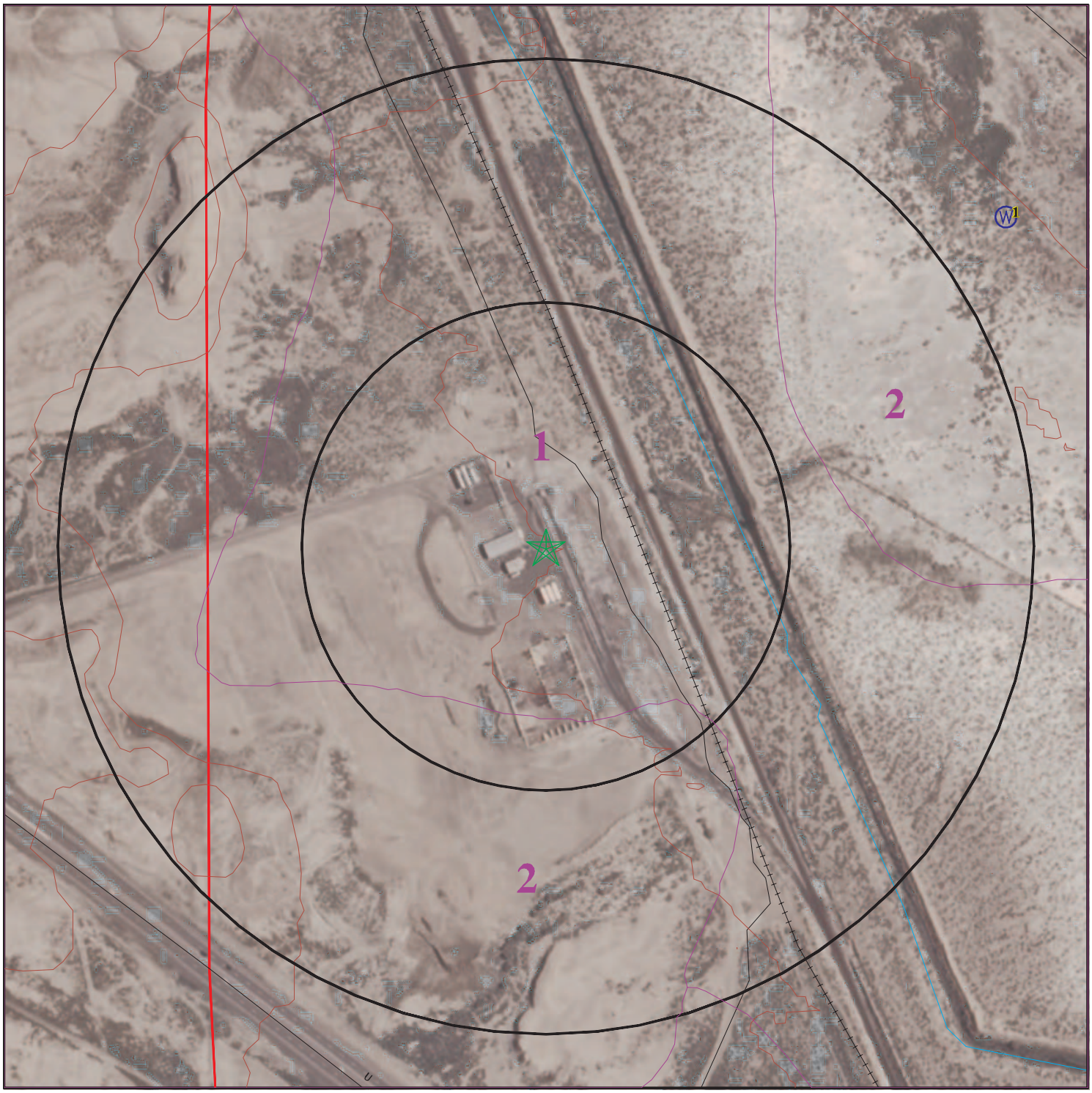
detail MAP - 4060596.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Western Nevada Rail Park	CLIENT: Robison Engineering
ADDRESS: Rural Route Fallon NV 89406	CONTACT: Wally Robison INQUIRY #: 4060596.2s
LAT/LONG: 39.5733 / 119.0868	DATE: September 09, 2014 4:56 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.500		0	0	0	0	0	0
Proposed NPL	1.500		0	0	0	0	0	0
NPL LIENS	0.500		0	0	0	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.500		0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS	1.000		0	0	0	0	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	1.000		0	0	0	0	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.500		0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	1.000		0	0	0	0	NR	0
Federal RCRA generators list								
RCRA-LQG	0.750		0	0	0	0	NR	0
RCRA-SQG	0.750		0	0	0	0	NR	0
RCRA-CESQG	0.750		0	0	0	0	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	1.000		0	0	0	0	NR	0
US INST CONTROL	1.000		0	0	0	0	NR	0
LUCIS	1.000		0	0	0	0	NR	0
Federal ERNS list								
ERNS	0.500		0	0	0	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.500		0	0	0	0	0	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	1.000		0	0	0	0	NR	0
State and tribal leaking storage tank lists								
LUST	1.000		0	0	0	0	NR	0
INDIAN LUST	1.000		0	0	0	0	NR	0
State and tribal registered storage tank lists								
UST	0.750		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.750		0	0	0	0	NR	0
INDIAN UST	0.750		0	0	0	0	NR	0
FEMA UST	0.750		0	0	0	0	NR	0
State and tribal voluntary cleanup sites								
VCP	1.000		0	0	0	0	NR	0
INDIAN VCP	1.000		0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	1.000		0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	1.000		0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	1.000		0	0	0	0	NR	0
DEBRIS REGION 9	1.000		0	0	0	0	NR	0
SWRCY	1.000		0	0	0	0	NR	0
INDIAN ODI	1.000		0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	0.500		0	0	0	NR	NR	0
US HIST CDL	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.500		0	0	0	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.750		0	0	0	0	NR	0
DOT OPS	0.500		0	0	0	NR	NR	0
DOD	1.500		0	0	0	0	0	0
FUDS	1.500		0	0	0	0	0	0
CONSENT	1.500		0	0	0	0	0	0
ROD	1.500		0	0	0	0	0	0
UMTRA	1.000		0	0	0	0	NR	0
US MINES	0.750		0	0	1	0	NR	1
TRIS	0.500		0	0	0	NR	NR	0
TSCA	0.500		0	0	0	NR	NR	0
FTTS	0.500		0	0	0	NR	NR	0
HIST FTTS	0.500		0	0	0	NR	NR	0
SSTS	0.500		0	0	0	NR	NR	0
ICIS	0.500		0	0	0	NR	NR	0
PADS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MLTS	0.500		0	0	0	NR	NR	0
RADINFO	0.500		0	0	0	NR	NR	0
FINDS	0.500		0	0	0	NR	NR	0
RAATS	0.500		0	0	0	NR	NR	0
RMP	0.500		0	0	0	NR	NR	0
NPDES	0.500		0	0	0	NR	NR	0
AIRS	0.500		0	0	1	NR	NR	1
HMRI	0.500		0	0	0	NR	NR	0
INDIAN RESERV	1.500		0	0	0	0	0	0
SCRD DRYCLEANERS	1.000		0	0	0	0	NR	0
EPA WATCH LIST	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.750		0	0	0	0	NR	0
LEAD SMELTERS	0.500		0	0	0	NR	NR	0
US AIRS	0.500		0	0	0	NR	NR	0
PRP	0.500		0	0	0	NR	NR	0
Financial Assurance	0.500		0	0	0	NR	NR	0
COAL ASH EPA	1.000		0	0	0	0	NR	0
PCB TRANSFORMER	0.500		0	0	0	NR	NR	0
COAL ASH	1.000		0	0	0	0	NR	0
COAL ASH DOE	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.500		0	0	0	0	0	0
EDR US Hist Auto Stat	0.750		0	0	0	0	NR	0
EDR US Hist Cleaners	0.750		0	0	0	0	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LUST	0.500		0	0	0	NR	NR	0
RGA LF	0.500		0	0	0	NR	NR	0
RGA HWS	0.500		0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 South 1/4-1/2 0.423 mi. 2231 ft. | **CLASS 3 , NV** | **AIRS** | **S110777318 N/A**

Relative: Higher

Actual: 4082 ft.

NV AIRS:

edr_fname:	CLASS 3
Facility Sequence Number:	2773
Permit Number:	AP32732773
Facility ID:	A0673
Company Name:	BLT READY MIX, INC.
Issue Date:	2/18/2011
Responsible Official Name:	BRAD AMUSSEN
Responsible Official Title:	PRESIDENT/CEO/OWNER
Responsible Official Address:	2452 RESOURCE DRIVE
Responsible Official Address2:	Not reported
Responsible Official City:	HAZEN
Responsible Official State:	NV
Responsible Official Zip Code:	89408
Responsible Official Country:	USA
Section:	29
Township Code:	20
North/South:	N
Range:	26E
UTM E:	320.62
UTM N:	4381.814
Pollutant ID:	CO
Annual Emissions (ST/YR):	0.7765

edr_fname:	CLASS 3
Facility Sequence Number:	2773
Permit Number:	AP32732773
Facility ID:	A0673
Company Name:	BLT READY MIX, INC.
Issue Date:	2/18/2011
Responsible Official Name:	BRAD AMUSSEN
Responsible Official Title:	PRESIDENT/CEO/OWNER
Responsible Official Address:	2452 RESOURCE DRIVE
Responsible Official Address2:	Not reported
Responsible Official City:	HAZEN
Responsible Official State:	NV
Responsible Official Zip Code:	89408
Responsible Official Country:	USA
Section:	29
Township Code:	20
North/South:	N
Range:	26E
UTM E:	320.62
UTM N:	4381.814
Pollutant ID:	NOX
Annual Emissions (ST/YR):	1.6769

edr_fname:	CLASS 3
Facility Sequence Number:	2773
Permit Number:	AP32732773
Facility ID:	A0673
Company Name:	BLT READY MIX, INC.
Issue Date:	2/18/2011

CLASS 3 (Continued) **S110777318**

Responsible Official Name: BRAD AMUSSEN
Responsible Official Title: PRESIDENT/CEO/OWNER
Responsible Official Address: 2452 RESOURCE DRIVE
Responsible Official Address2: Not reported
Responsible Official City: HAZEN
Responsible Official State: NV
Responsible Official Zip Code: 89408
Responsible Official Country: USA
Section: 29
Township Code: 20
North/South: N
Range: 26E
UTM E: 320.62
UTM N: 4381.814
Pollutant ID: PM
Annual Emissions (ST/YR): 1.064575

edr_fname: CLASS 3
Facility Sequence Number: 2773
Permit Number: AP32732773
Facility ID: A0673
Company Name: BLT READY MIX, INC.
Issue Date: 2/18/2011
Responsible Official Name: BRAD AMUSSEN
Responsible Official Title: PRESIDENT/CEO/OWNER
Responsible Official Address: 2452 RESOURCE DRIVE
Responsible Official Address2: Not reported
Responsible Official City: HAZEN
Responsible Official State: NV
Responsible Official Zip Code: 89408
Responsible Official Country: USA
Section: 29
Township Code: 20
North/South: N
Range: 26E
UTM E: 320.62
UTM N: 4381.814
Pollutant ID: PM10
Annual Emissions (ST/YR): 0.443825

edr_fname: CLASS 3
Facility Sequence Number: 2773
Permit Number: AP32732773
Facility ID: A0673
Company Name: BLT READY MIX, INC.
Issue Date: 2/18/2011
Responsible Official Name: BRAD AMUSSEN
Responsible Official Title: PRESIDENT/CEO/OWNER
Responsible Official Address: 2452 RESOURCE DRIVE
Responsible Official Address2: Not reported
Responsible Official City: HAZEN
Responsible Official State: NV
Responsible Official Zip Code: 89408
Responsible Official Country: USA
Section: 29
Township Code: 20
North/South: N

CLASS 3 (Continued) **S110777318**

Range:	26E
UTM E:	320.62
UTM N:	4381.814
Pollutant ID:	SO2
Annual Emissions (ST/YR):	0.0952

edr_fname:	CLASS 3
Facility Sequence Number:	2773
Permit Number:	AP32732773
Facility ID:	A0673
Company Name:	BLT READY MIX, INC.
Issue Date:	2/18/2011
Responsible Official Name:	BRAD AMUSSEN
Responsible Official Title:	PRESIDENT/CEO/OWNER
Responsible Official Address:	2452 RESOURCE DRIVE
Responsible Official Address2:	Not reported
Responsible Official City:	HAZEN
Responsible Official State:	NV
Responsible Official Zip Code:	89408
Responsible Official Country:	USA
Section:	29
Township Code:	20
North/South:	N
Range:	26E
UTM E:	320.62
UTM N:	4381.814
Pollutant ID:	VOC
Annual Emissions (ST/YR):	2.0199

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2 **JACK N TEDFORD INC** **US MINES** **1011188000**
SSE **N/A**
1/4-1/2 **LYON (County), NV**
0.494 mi.
2607 ft.

Relative:
Higher

Actual:
4062 ft.

US MINES:

Mine ID:	2600442
SIC code(s):	14410 00000 00000 00000 00000 00000
Entity name:	HAZEN PIT
Company:	JACK N TEDFORD INC
State FIPS code:	NV
County FIPS code:	LYON
Status:	4
Status date:	20010807
Operation Class:	non-Coal Mining
Number of shops:	0
Number of plants:	0
Latitude:	39 34 00
Longitude:	119 05 00

Count: 25 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COLD SPRINGS	S106514177	NEVADA DEPARTMENT OF TRANSPORTATIO	U.S. HIGHWAY 50 @ MILE POST 81	89406	SHWS
DIXIE VALLEY	1000871013	OXBOW GEOTHERMAL CORP	NV HWY 121 N 60 MI N OF	89406	RCRA NonGen / NLR, US AIRS
FALLON	1003879219	SAND SPRING SILVER-LORRAINE LEAC	HWY 50 T17N R34E 20 MI E	89406	CERC-NFRAP
FALLON	S109943987	BRADYS HOT SPRINGS GEOTHERMAL POWE	10750 INTERSTATE 80 EAST		SHWS
FALLON	S114020432	RUSSELL PASS LANDFILL	HWY 95, 20 MILES S. OF FALLON,	89406	SWRCY
FALLON	S108250393	WESTERN LANDS DEVELOPMENT CORPORAT	U.S. HIGHWAY 95A (SOUTH OF)		SHWS
FALLON	1008404363	FALLON PISTOL RANGE	3 1/2 MILES N FALLON HWY 95 N	89406	RCRA NonGen / NLR
FALLON	1003879221	FALLON PEST CONTAINER DSPL SITE	OFF US HWY 95 8 MI N OF	89406	CERC-NFRAP
FALLON	S109943982	BURLINGTON NORTHERN SANTA FE RAILW	OLD HIGHWAY 40		SHWS
FALLON	1015731643	USDOE PROJECT SHOAL SITE	STATE ROUTE 839	89406	CERCLIS, RCRA NonGen / NLR
FALLON	S106870763	U.S. BUREAU OF RECLAMATION , PISTO	TARZYN ROAD NORTH OF U.S. HIGH		SHWS
FERNLEY	S106514163	NEVADA CEMENT COMPANY	INTERSTATE 80 @ WEST MAIN STRE	89408	SHWS
FERNLEY	1016064875	NEVADA CEMENT CO	INTERSTATE 80 AT EXIT 46	89408	FINDS
FERNLEY	1007563668	NEVADA CEMENT COMPANY	INTERSTATE 80 AT EXIT 46	89408	FTTS, HIST FTTS
FERNLEY	1004565888	LIN CUBING INCORPORATED	1016 HIGHWAY 95 A	89408	ICIS, FINDS
FERNLEY	S114020313	FERNLEY TRANSFER STATION	1100 HWY 95A SOUTH, FERNLEY, N	89408	SWRCY
FERNLEY	1007284469	LIN CUBING CO / JIM LIN	1016 HWY 95A	89408	FTTS, HIST FTTS
FERNLEY	S116161976	GREENU COMMODITIES	11000 ALT HWY 50	89408	SWF/LF
FERNLEY	S116161975	GREENU COMMODITIES	11000 ALT HWY 50	89406	SWF/LF
FERNLEY	S108250097	FERNLEY INTERMEDIATE SCHOOL	320 U.S. HIGHWAY 95 ALTERNATE	89408	SHWS
FERNLEY	S103875475	FERNLEY READY MIX	U.S. HIGHWAY 95 ALTERNATE	89408	SHWS
FERNLEY	1014805340	NEVADA CEMENT - MUSTACHE POZZOLAN	U.S. HIGHWAY 95 ALTERNATE	89408	FINDS
FERNLEY	1014804960	RENO-FERNLEY RACEWAY RV PARK	1955 S HWY 95A	89408	FINDS
FERNLEY	S103876407	JACKSONS FOOD STORE #27 , APN 021-	210 EAST U.S. HIGHWAY 40	89408	SHWS, LUST
FRENCHMAN	U004194374	FRENCHMAN STATION	HWY 50	89406	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 07/08/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 18

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Sites Database

A listing of correction action sites.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 14

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Landfill List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/11/2014
Number of Days to Update: 27

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Sites Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 14

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 73

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Underground Storage Tank List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/08/2014
Number of Days to Update: 13
Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

AST: Aboveground Storage Tank List
Registered Aboveground Storage Tanks.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/08/2014
Number of Days to Update: 13
Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 25

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 45

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program provides relief from liability to owners who undertake cleanups of contaminated properties under the oversight of the Nevada Division of Environmental Protection.

Date of Government Version: 08/16/2011
Date Data Arrived at EDR: 09/27/2011
Date Made Active in Reports: 10/12/2011
Number of Days to Update: 15

Source: Department of Conservation & Natural Resources
Telephone: 775-687-9381
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Project Tracking Database

Brownfields sites included in the Project Tracking Database. The term "brownfields" is used to describe abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination. The State of Nevada has initiated Brownfields, a land-recycling program, to provide an opportunity to redevelop these undesirable properties and revitalize communities.

Date of Government Version: 04/16/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 14

Source: Division of Environmental Protection
Telephone: 775-687-9384
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Information Listing
A listing of recycling facilities in Nevada.

Date of Government Version: 06/03/2014
Date Data Arrived at EDR: 06/04/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 775-687-9463
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 105

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/10/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/04/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/23/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Biennially

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 07/09/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/11/2014
Number of Days to Update: 32

Source: Department of Environmental Protection
Telephone: 775-687-9414
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facilities and their associated emissions information.

Date of Government Version: 03/31/2011
Date Data Arrived at EDR: 03/31/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 43

Source: Division of Environmental Protection
Telephone: 775-687-9359
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

HMRI: Hazardous Materials Repository Information Data

Emergency Planning and Community Right-to-Know Act (EPCRA) required facilities which store or manufacture hazardous materials to prepare and submit a chemical inventory report by March 1st of each year to the State Emergency Response Commission (SERC), LEPC and the local fire department. The inventory form must include information on all hazardous chemicals present at the facility during the previous calendar year in amounts that meet or exceed thresholds.

Date of Government Version: 08/05/2008
Date Data Arrived at EDR: 08/05/2008
Date Made Active in Reports: 08/13/2008
Number of Days to Update: 8

Source: State Emergency Response Commission
Telephone: 775-687-6973
Last EDR Contact: 08/13/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information

Solid waste facility financial assurance information.

Date of Government Version: 06/02/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 29

Source: Division of Environmental Protection
Telephone: 775-687-9477
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/28/2010
Date Data Arrived at EDR: 12/29/2010
Date Made Active in Reports: 02/02/2011
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 775-687-9465
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 47

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash plants.

Date of Government Version: 10/02/2013
Date Data Arrived at EDR: 10/03/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 29

Source: Division of Environmental Protection
Telephone: 775-687-9477
Last EDR Contact: 09/02/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Conservation and Natural Resources in Neveda.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of Conservation and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Conservation and Natural Resources in Neveda.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 199

Source: Department of Conservation and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List
The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Conservation and Natural Resources in Neveda.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Department of Conservation and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

WASHOE COUNTY:

Underground Storage Tank in Washoe County
A listing of underground storage tank sites located in Washoe County.

Date of Government Version: 06/27/2014
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 08/11/2014
Number of Days to Update: 42

Source: Washoe County Department of Environmental Health
Telephone: 775-328-2493
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Human Resources
Telephone: 775-684-1100

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WESTERN NEVADA RAIL PARK
RURAL ROUTE
FALLON, NV 89406

TARGET PROPERTY COORDINATES

Latitude (North):	39.5733 - 39˚ 34' 23.88''
Longitude (West):	119.0868 - 119˚ 5' 12.48''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	320755.4
UTM Y (Meters):	4382270.5
Elevation:	4060 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	39119-E1 HAZEN, NV
Most Recent Revision:	1985

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

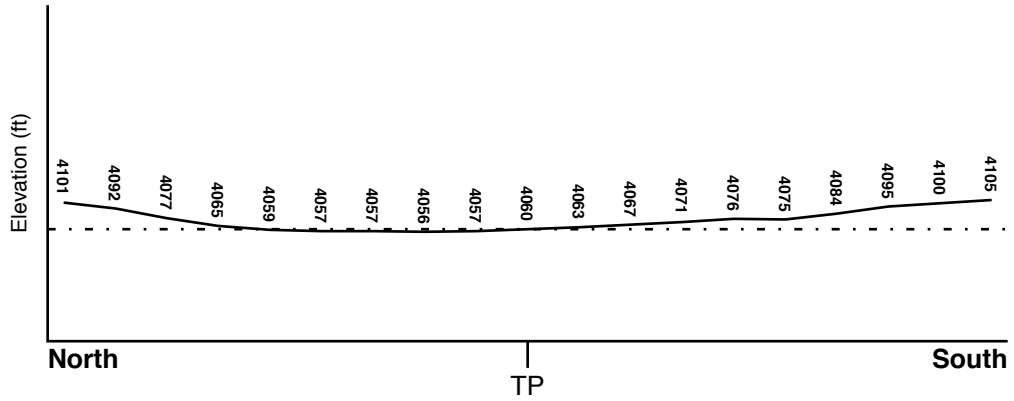
TOPOGRAPHIC INFORMATION

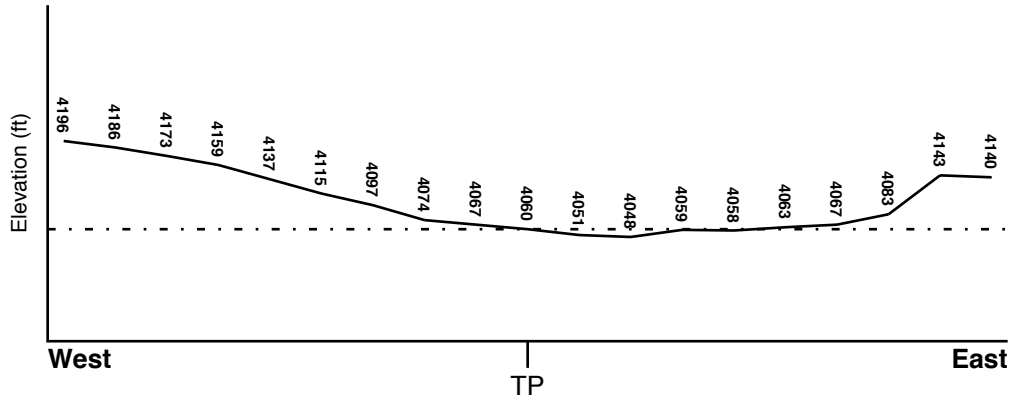
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 4060 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
CHURCHILL, NV	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 32001C - FEMA DFIRM Flood data

Additional Panels in search area: 32019C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HAZEN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site–specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

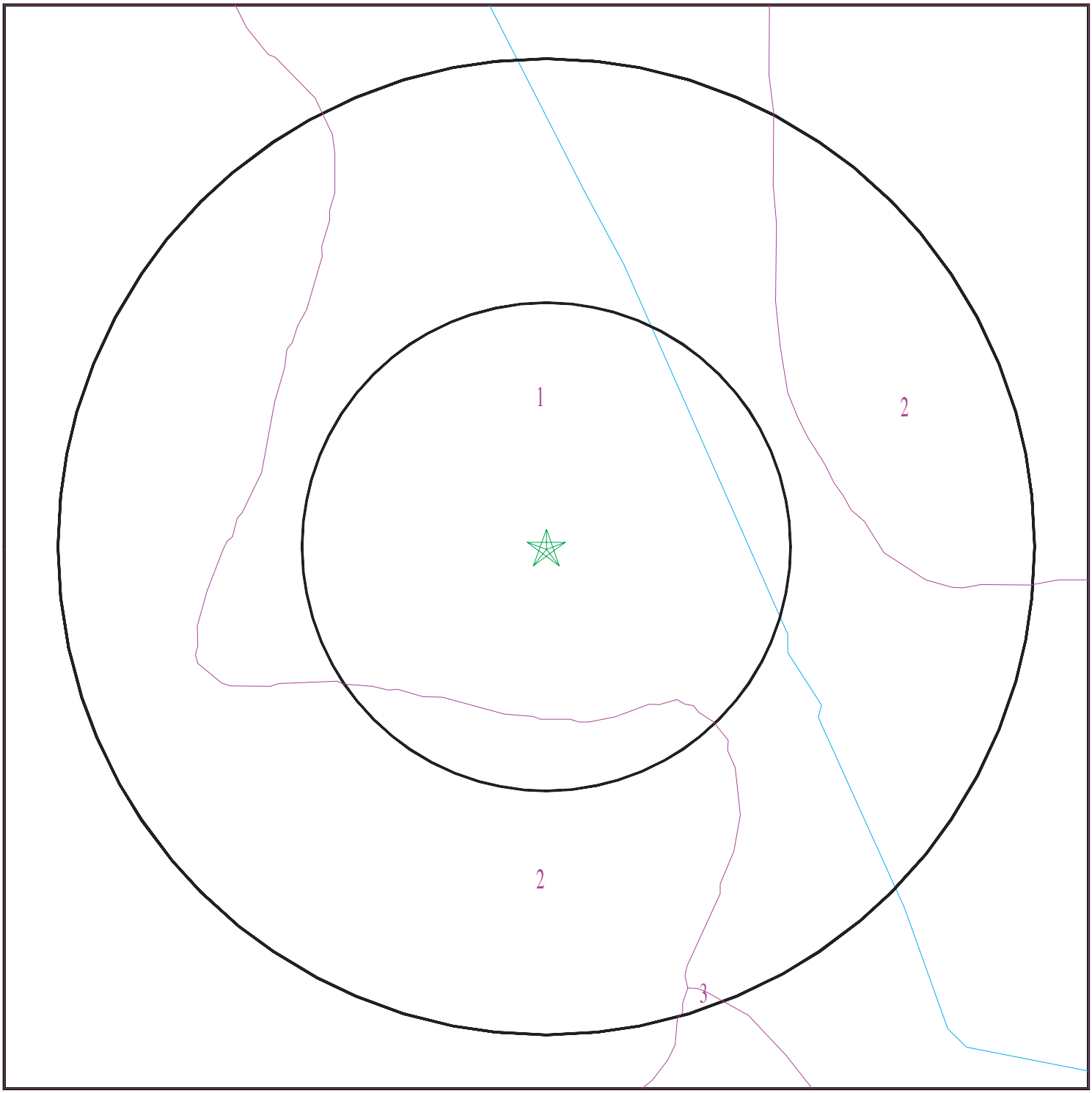
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4060596.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Western Nevada Rail Park	CLIENT:	Robison Engineering
ADDRESS:	Rural Route Fallon NV 89406	CONTACT:	Wally Robison
		INQUIRY #:	4060596.2s
LAT/LONG:	39.5733 / 119.0868	DATE:	September 09, 2014 4:57 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Isolde

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 9 Min: 7.4
2	5 inches	59 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 9 Min: 7.4

Soil Map ID: 2

Soil Component Name: Badland

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 0.42 Min: 0.01	Max: 11 Min: 9.1
2	5 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 0.42 Min: 0.01	Max: 11 Min: 9.1

Soil Map ID: 3

Soil Component Name: Juva

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 9 Min: 7.9
2	5 inches	64 inches	sr to very gravelly sand to loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 9 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

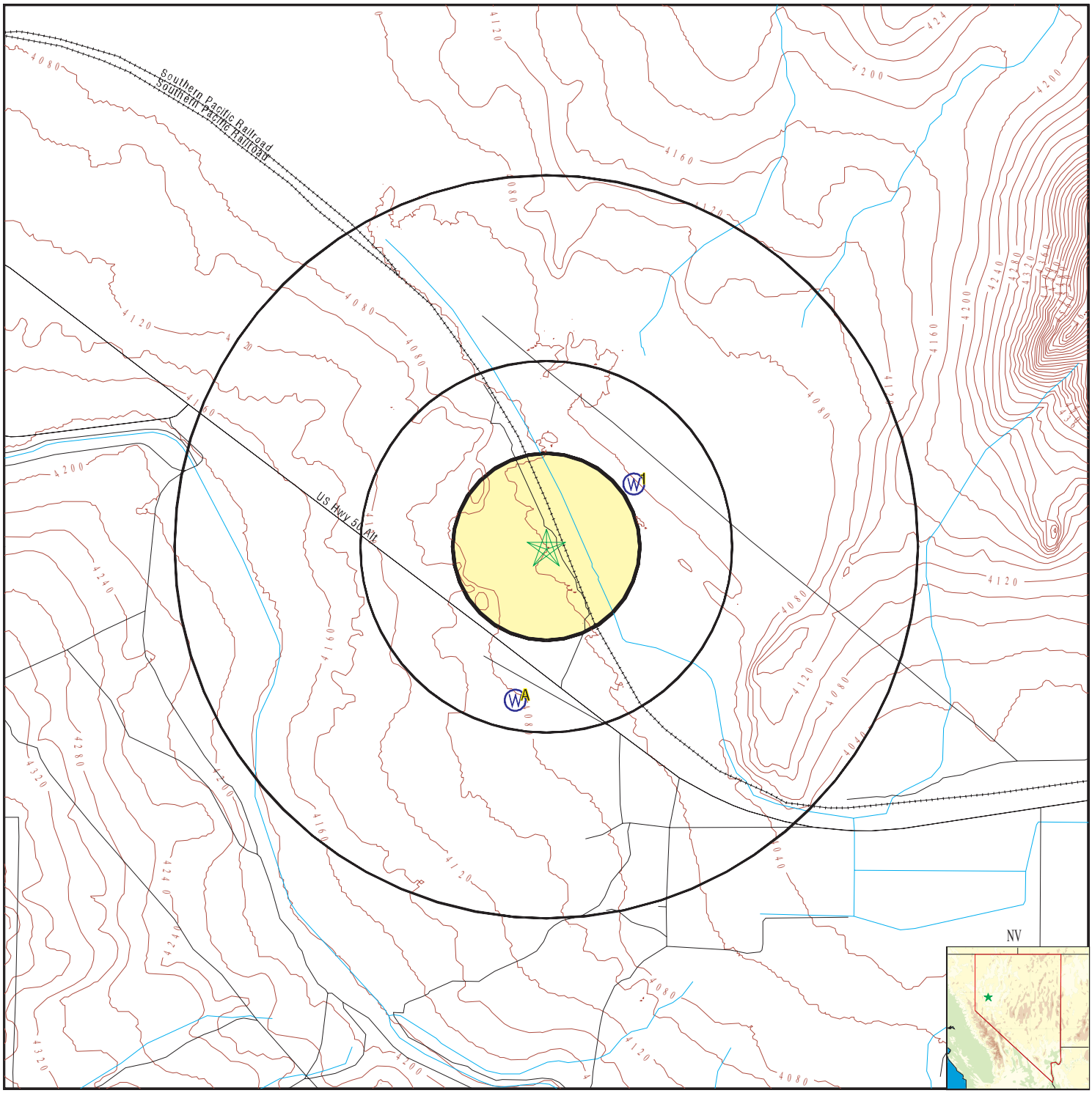
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NV4000000080630	1/4 - 1/2 Mile NE
A2	NV4000000080437	1/4 - 1/2 Mile SSW
A3	NV4000000080434	1/4 - 1/2 Mile South

PHYSICAL SETTING SOURCE MAP - 4060596.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data

SITE NAME:	Western Nevada Rail Park	CLIENT:	Robison Engineering
ADDRESS:	Rural Route Fallon NV 89406	CONTACT:	Wally Robison
		INQUIRY #:	4060596.2s
LAT/LONG:	39.5733 / 119.0868	DATE:	September 09, 2014 4:57 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NE** **1/4 - 1/2 Mile** **Lower**	**NV WELLS**	**NV4000000080630**

Well log:	79133	App:	Not Reported
Notice of :	40682	Waiver no:	W-515
Date log r:	07-JAN-00	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	P	Drilling m:	H
Sc:	32001	Ha:	101
Twn:	N20	Legal twn:	20N
Rng:	E26	Legal rng:	26E
Sec:	29	Sec quarte:	AA
Legal quar:	NE NE	Quarters s:	Not Reported
Ref:	MD	Latitude:	39
Longitude:	119	Lat long s:	NV003
Lat long a:	M		
Owner curr:	INTER MOUNTAIN ASPHALT		
Owner addr:	16000 RENO HWY		
Owner no:	Not Reported		
Parcel no:	009-251-30	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	28-NOV-99	Date cmplt:	D
Gravel pac:	Y	Depth seal:	100
Depth dril:	160	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	160
Csng diame:	6		
Csng reduc:	0	Top perf:	157
Bottom per:	160	Perf inter:	1
Static wl:	8		
Temperatur:	0		
Yield:	20		
Drawdown:	3		
Hours pump:	4		
Test metho:	P	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	43145		
Contract 1:	FARRIS DRILLING		
Contract 2:	P O BOX 5205 FALLON NV 89407		
Contract 3:	0		
Driller li:	2082	Source age:	NV003
User id:	DSPELTS	Date entry:	20-MAR-00
Update use:	Not Reported	Date updat:	26-MAY-05
Edit statu:	F	Well start:	22-NOV-99
Gravel p 1:	157	Gravel p 2:	160
Utm x:	321226.726127		
Utm y:	4382540.67496		
Site id:	NV4000000080630		

A2 **SSW** **1/4 - 1/2 Mile** **Higher**	**NV WELLS**	**NV4000000080437**

Well log:	104021	App:	74507
Notice of :	58794	Waiver no:	W-595/R-536
Date log r:	23-JAN-07	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	P	Drilling m:	A
Sc:	32001	Ha:	101
Twn:	N20	Legal twn:	20N
Rng:	E26	Legal rng:	26E
Sec:	29	Sec quarte:	DB
Legal quar:	NW SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	39
Longitude:	119	Lat long s:	Not Reported
Lat long a:	1		
Owner curr:	BLT READY MIX INC.		
Owner addr:	2444 RESOURCE DR. HAZEN, NV 89408		
Owner no:	Not Reported		
Parcel no:	009-251-36	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	14-DEC-06	Date cmplt:	D
Gravel pac:	Y	Depth seal:	100
Depth dril:	840	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	145
Csng diame:	6.625		
Csng reduc:	0	Top perf:	104
Bottom per:	145	Perf inter:	1
Static wl:	5		
Temperatur:	0		
Yield:	30		
Drawdown:	0		
Hours pump:	1		
Test metho:	A	Qual const:	G
Qual lith :	G		
Remarks:	NAD 27.		
Remarks ad:	Not Reported		
Contractor:	29064		
Contract 1:	PARSONS DRILLING INC		
Contract 2:	P O BOX 1265 FALLON NV 89407-1265		
Contract 3:	0		
Driller li:	2285	Source age:	NV003
User id:	TDOMINGUEZ	Date entry:	06-DEC-07
Update use:	AMORI	Date updat:	26-DEC-07
Edit statu:	F	Well start:	26-SEP-06
Gravel p 1:	100	Gravel p 2:	145
Utm x:	320669.833801		
Utm y:	4381631.91665		
Site id:	NV4000000080437		

A3
South
1/4 - 1/2 Mile
Higher

NV WELLS **NV4000000080434**

Well log:	106440	App:	76477
Notice of :	62312	Waiver no:	Not Reported
Date log r:	20-MAY-08	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	I	Drilling m:	A
Sc:	32011	Ha:	101
Twn:	N20	Legal twn:	20N
Rng:	E26	Legal rng:	26E
Sec:	29	Sec quarte:	DB
Legal quar:	NW SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	39
Longitude:	119	Lat long s:	Not Reported
Lat long a:	1		
Owner curr:	VISTA EQUIPMENT, INC.		
Owner addr:	2366 RESOURCE RD. HAZEN, NV 89408		
Owner no:	Not Reported		
Parcel no:	009-251-65	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	07-MAY-08	Date cmplt:	D
Gravel pac:	N	Depth seal:	100
Depth dril:	195	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	195
Csng diame:	6.625		
Csng reduc:	1	Top perf:	115
Bottom per:	195	Perf inter:	1
Static wl:	24		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks:	NAD 27.		
Remarks ad:	Not Reported		
Contractor:	29064		
Contract 1:	PARSONS DRILLING INC		
Contract 2:	P O BOX 1265 FALLON NV 89407-1265		
Contract 3:	0		
Driller li:	2285	Source age:	NV003
User id:	TDOMINGUEZ	Date entry:	03-SEP-08
Update use:	TDOMINGUEZ	Date updat:	11-SEP-08
Edit statu:	F	Well start:	06-MAY-08
Gravel p 1:	0	Gravel p 2:	0
Utm x:	320713.815878		
Utm y:	4381601.13314		
Site id:	NV4000000080434		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NV Radon

Radon Test Results

# Tests	# < 4 pci/L	# > 4 pCi/L	% > 4 pCi/L	Average	Max
132	114	18	13.64	2.59	14.5

Federal EPA Radon Zone for CHURCHILL County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 89406

Number of sites tested: 105

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.294 pCi/L	92%	7%	1%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.750 pCi/L	50%	50%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Nevada Well Log Database
Source: Dept of Conservation and Natural Resources, Division of Water Resources
Telephone: 775-687-4380

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Nevada Bureau of Mines and Geology
Telephone: 775-784-6691
Oil and gas well location in the state of Nevada.

RADON

State Database: NV Radon
Source: State Health Division
Telephone: 775-687-7531
Radon Test Results By Zip Code

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Gateway Commerce Center, LLC

Executive Order 12372 Review

ATTACHMENT I

PERMITS ALREADY RECEIVED FOR GREENU COMMODITIES, LLC LOCATED WITHIN THE PROPERTY

nac NORTH AVENUE CAPITAL

Operating Permits & Approvals

GreeNu Commodities, LLC has fully satisfied each of the operating permits from local, state and federal regulatory agencies. These include the following:

1. Local - Special Use Permit (SUP)/Zoning

The City of Fernley issued the GreeNu Facility SUP permit 12-32 on November 8th, 2012. The permit deadline was satisfied once the facility began construction (November 6th, 2014 - Inspection #15-001), but remains conditional based on standard operating procedures prior to the certificate of occupancy (Example: Project conforms to building permitting, fire response, etc.)

2. State/Federal - Operating Air Permit

Nevada Department of Environmental Protection (NDEP) represents the state/federal operating standards for operations and air quality in the State of Nevada. The NDEP issued the Operating Air Permit # AP5093-335 on October 15th, 2013. The permit is valid for five years and is subject to renewal on October 15th, 2018.

3. State/Federal - Waste Tire Management Facility

Nevada Department of Environmental Protection (NDEP) is responsible for the state and federal regulations on tire collection and management facilities in the State of Nevada. The NDEP issued the GreeNu Waste Tire Management Facility Permit #SW1696REV00 on August 7th, 2014. The permit is valid for 5 years and is subject to renewal on August 7th, 2019.

Special Use Permit

(Permit Application(s) available upon request)

COMMUNITY & ECONOMIC DEVELOPMENT

Mojra Hauenstein,
Director

Building and Safety
Comprehensive Planning
Current Planning
Development Review
Economic Development

Matt Rasmussen, PE
Tectonics Design Group
10451 Double R Blvd
Reno, Nevada 89521
Tel: (775) 824-9988 x11
Fax: (775) 824-9986

11.8.12

Re: GreeNu Tire Recycling Facility SUP 12-32 SUP Approval (5 pages total)

Dear Matt:

Per our City Council Meeting on 11-7-12 on the above project the 2nd trip to LA was waived in lieu of an approved environmental protection agency (EPA) dispersion model, or equivalent analysis as approved in writing by AMEC, which shall be utilized to determine sulfur compound concentrations at various locations (as determined by AMEC) surrounding the proposed project. In addition this project was ***approved as conditioned*** per the following requirements which will need to be satisfied during building permit, construction and prior to issuance of a Certificate of Occupancy:

Condition #1: Development of use shall not be carried out until the applicant has secured all permits and approvals required by:
a) this development code or any other City ordinances,
b) State or Federal agencies, including but not limited to all NDEP permits (BAPC & SWMA) conforming to NAC 444A.280-460, NRS 459.520 and other State laws that apply.

Condition #2: Condition of Building Permit includes all required NDEP permits in valid possession.

Condition #3: No loose tires shall be accepted or stored on site, only baled "feedstock" as described in the SUP application.

Condition #4: Conformance to a Fire Response Plan approved by NLFPD is an ongoing condition of SUP issuance and validity.

Condition #5: In the event of closure, owner/ operator shall demonstrate financial assurance for clean up and closure of the remaining facility minus feedstock (addressed by NDEP requirements) by placement of bond or other accepted means in an amount agreed upon by City and Applicant.

Condition #6: In reference to NAC 444A.350, the proposed facility will be completed, issued C of O, and fully approved for operation by all regulating authorities (NDEP, Fire, Building, Planning, Public Works) before ANY waste tire material (feedstock) is placed upon site.

Condition #7: Facility shall operate at or below all Odor, Emissions, Pollution & Solid Waste management standards as set by NDEP. Failure to comply with, or violation of any of these standards, which shall be interpreted to include more than two (2) valid, verifiable complaints about odors, emissions, noise or other environmental concerns as described in the SUP application findings within any ninety (90) period, shall cause the SUP to be suspended (operations cease) and subsequently reviewed by City Council for determination of conditions of continued use or revocation.

Condition #8: Facility, Site, and Civil improvements shall be designed, built, and operated to conform with all Development Code standards and requirements, all adopted Building Code standards and requirements, Public Works Design Standards, Fire Authority standards and requirements, & NDEP standards as applicable.

Condition #9: Facility and Site to be secured and screened per NAC, Fire, Development Code, Building Codes and NDEP requirements.

Conditions #10: All previous requests by Director for additional information, data, analysis, reporting, and clarification shall be met to the satisfaction of Director prior to an SUP approval.

Since the information submitted by applicant includes extensive scientific data, expert letters and industry standards addressing the Community's Safety, Health and Welfare concerns, the following is a summary of issues paired up with the required conditions/codes to be met to the satisfaction of City Staff and the third-party Environmentalist prior to the issuance of the Certificate of Occupancy.

Please note that our City Council Presentation exhibits from 9-5-12 need to be referenced in order to satisfy the conditions below:

Issue 1: Traffic

Industry Standard (to be met in addition to Federal, State, City codes/laws):
NDOT regulations; upgrade to site entrance completed
Reference: Exhibit '3', item 'C', Tectonics letter, 6/26/12.

➔ Clarification: Further break down of your 297 ADT trip calculations per Exhibit '4'.

Issue 2: Transportation of "in-bound", "out-bound" materials & on site storage

Industry Standard (to be met in addition to Federal, State, City codes/laws): NDEP (Nevada Department of Environmental Protection) guidelines for containment of on-site storage; NAC 444A.360 & IFC
Reference: Exhibit 'B' p.5 , Exhibit 'F' p.5 and Exhibit '8'.

Additional: The final "out-bound" products in form of Fuel, Carbon Black and Steel are pneumatically conveyed in sealed pipelines from production (plant) to storage and from storage to rail.

➔ Clarification: A) How is the baled feedstock material that is "in-bound" transferred from rail to plant? B) Is the "Baled Tire Storage" shown outside to the north of site exposed to the elements and what kind of ground surface is Ego-bloc stored upon?

Issue 3: Noise

Industry Standard (to be met in addition to Federal, State, City codes/laws): No Industry standard was referenced by applicant, so meeting NRS 244.363 for Prevention of Excessive Noise & acceptable noise standards in adjacent jurisdictions shall be the acceptable limit.
Reference: Exhibit 'G', expert letter 5/11/12
Additional: Applicant claims 65 dBa max at property line or 0.5 miles from plant whichever is closer. Also, building is proposed to be located 50'-0" lower than the highway, with additional vegetative screening/buffers and building has acoustically insulated walls.

Issue 4: Air Quality/ Odor Control

Industry Standard (to be met in addition to Federal, State, City codes/laws): South Coast Air Quality Standard (SCAQ) which is among the most stringent air emissions standards in USA; also used in LEED certified buildings by US Green Building Council; NDEP Class III Air Permit (applied) & OSHA
Reference: Exhibit '2' p.9-11 Exhibit '6', expert letter 5/23/2012) & Exhibit '7'
Additional: Pyrolysis (conversion) is a closed loop process with 99.9% accountability - see exhibit '2' p. 16.

Issue 5: Water Quality

Industry Standard (to be met in addition to Federal, State, City codes/laws): NDEP (Nevada Department of Environmental Protection) guidelines for water quality and Wastewater Permit from NDEP.
Reference: Exhibit '1',7/24/12 and Exhibit '5', 6/26/12.
Additional: Plant will not be connected to City Sewer.
Project will house its own wastewater treatment plant permitted via NDEP. Sewer Impact Report is not required.

➔ Clarification: A: Where do the heavy metals from processing plant go?
B: What is your water supply source? How much water is treated at Wastewater plant?

Issue 6: Sustainability

- Green Collar job creation, above minimum wage- Exhibit 'D'
- 10 year manufacture warranty; operator GWECC (Global Waste Energy Conversion Company) includes a risk management performance curve warranty underwritten by one of the largest risk management companies in the world & project will be insured collaterally-Exhibit '2' p.15
- "Clean Up" bond is required by the State to mitigate any negative impacts to the community-Exhibit '2' p.15

- Tentative "feedstock" & "output" material annual agreements-Exhibit '2' p.15
- Spill Prevention and Response Plan-Exhibit 'F'
- Project is aligned with Fernley's Strategic Plan, EDAWN's mission and the Governor's Economic Development vision
- Reduction of landfill use for tire disposal
- Branding of "Waste-to-Energy" industries & "Alternative Energy" projects in our area

If SUP is approved the following 2 *immediate* conditions must be met PRIOR to issuance of approval letter:

I.C. #1: Per Attachment 4 of Staff Report, item #5, CED would like to suggest that applicant pay for a 3rd party environmentalist, selected by City of Fernley, to review documentation and data submitted as part of this SUP. Also this same expert would be available at plant start-up to verify that industry standards herein referenced have been complied with. We recommend either of the following Environmental Scientists:

A) AMEC Tel.775.326.5388 Contact: Noel Bonderson

B) Stantec Consulting Services Tel.775.398.1233 Contact: Jeff Curtis

This item has been satisfied since Amec has been selected as the Enironmetal third-party.

I.C. #2: A site visit (paid by applicant) to the LA County Sanitation Facility which employs Pyrolysis of baled tires as would the proposed plant in Fernley.

Site Visit would be conducted by one (1) Council member, (1) City of Fernley Official and (1) aforementioned third party Environmentalist.

This condition was waived in lieu of Air modeling mentioned in the first paragraph.

Also, Continual Monitor was added as a condition of approval by City Council per the extracted meeting minutes below:

*"**Motion:** MOVE TO APPROVE SPECIAL USE PERMIT 12-32 WITH 10 CONDITIONS RECOMMENDED BY STAFF AND THE PLANNING COMMISSION, **Action:** Approved, **Moved by** Councilman Eilrich, **Seconded by** Councilman Parsons*

Councilman Edgington stated he wanted to see during the review bringing in a third party environmentalist. He wanted to schedule a compliance review audit every 3 - 4 years and verifying they are doing exactly what they said they would do.

*Councilman Eilrich amended his **Motion:** TO INCLUDE BOTH AN ANNUAL REVIEW OF THE SPECIAL USE PERMIT AND COMPLIANCE AUDIT EVERY TWO YEARS BY AN INDEPENDENT THIRD PARTY.*

Associate Engineer Cody Black suggested the condition of an ongoing monitoring program to address environmental effects. Then before issuance of any permits, part of the policy of the

environmentalist on board would be to investigate at the beginning they could help the City, funded by the developer, develop a plan. He stated a single monitoring program that is developed at the beginning for the life of the project would be a good way to make it more clean for everyone involved.

Councilman Eilrich amended his ***Motion:*** *TO INCLUDE A SINGLE MONITORING PROGRAM, PAID FOR BY THE DEVELOPER, AND IMPLEMENTED AT THE BEGINNING OF THE PROJECT FOR THE LIFE OF THE PROJECT.*

Motion: *MOVE TO APPROVE SPECIAL USE PERMIT 12-32 WITH 10 CONDITIONS RECOMMENDED BY STAFF AND THE PLANNING COMMISSION, TO INCLUDE BOTH AN ANNUAL REVIEW OF THE SPECIAL USE PERMIT AND A COMPLIANCE AUDIT EVERY TWO YEARS BY AN INDEPENDENT THIRD PARTY, ALSO, TO INCLUDE A SINGLE MONITORING PROGRAM, PAID FOR BY THE DEVELOPER, AND IMPLEMENTED AT THE BEGINNING OF THE PROJECT FOR THE LIFE OF THE PROJECT.*

City Attorney Brandi Jensen clarified that there is not a Yearly Annual preapproval of the Special Use Permit unless it is conditioned.

Vote: *Motion carried by unanimous roll call vote (summary: yes = 4).*
Yes: *Councilman Edgington, Councilman Eilrich, Councilman Parsons, Councilwoman Malloy. Absent: Councilman Chaffin.End.*"

Per the City of Fernley Development Code 21.070 A-E, the 12 month timeline starts on the date of this letter. We look forward to working with you through the building permit and construction process. Please call with any questions.

Best regards,

Mojra Hauenstein, NCRAB
LEED AP Neighborhood Development
Community & Economic Development Director
City of Fernley
595 Silver Lace Boulevard,
Fernley, NV 89408
T. 775.784.9902
F. 775.784.9828

Operating Air Permit

(Permit Application(s) available upon request)

BUREAU OF AIR POLLUTION CONTROL

901 SOUTH STEWART STREET SUITE 4001
CARSON CITY, NEVADA 89701-5249
p: 775-687-9350 • www.ndep.nv.gov/bapc • f: 775-687-6396

Facility ID No. A1634 *Permit No.* AP5093-3335

CLASS III AIR QUALITY OPERATING PERMIT

Issued to: GREENU COMMODITIES LLC (hereinafter referred to as Permittee)
Mailing Address: C/O Q&D CONSTRUCTION, 1050 SOUTH 21ST STREET, SPARKS, NEVADA 89431
Physical Address: 11000 US ALT HWY 50, FERNLEY, NEVADA 89408
General Facility Location: 11000 US ALT HWY 50, FERNLEY, NEVADA 89408
Driving directions: 11000 US ALT HWY 50, FERNLEY, NV; 7.5 MILES SOUTHEAST OF I-80/ALT HWY 50 INTERCHANGE

SECTION 29, T 20N, R 26E, MDB&M
HA 76 – FERNLEY AREA/ LYON COUNTY
NORTH 4,382.60 KM, EAST 320.40 KM, UTM ZONE 11, NAD 83

Emission Unit List:		
System 1 – Shred-Tech 400E0250HP Tire Shredding System		
PF	1.001	In-Feed Belt Conveyor (ID# 4A)
PF	1.002	Tire Shredder (ID# 4B)
PF	1.003	Tapor Slot Vibrating Conveyor (ID# 4C)
PF	1.004	Return Conveyor Belt (ID# 4D)
PF	1.005	Stacking Belt Conveyor (ID# 4E)
PF	1.006	Discharge Belt Conveyor #1 (ID# 4F)
PF	1.007	Discharge Belt Conveyor #2 (ID# 4G)
PF	1.008	Primary Pyrolysis Unit Tire Chip Feed Hopper (ID# 5A)
PF	1.009	Tire Chip Chute #1 (ID# 5B-1)
PF	1.010	Tire Chip Chute #2 (ID# 5B-2)
PF	1.011	Tire Chip Chute #3 (ID# 5B-3)
PF	1.012	Tire Chip Chute #4 (ID# 5B-4)
System 2 – American Combustion Technologies Inc. Pyrolysis Units		
S	2.001	4.9 MMBtu/hr Pyrolysis Unit #1 (ID# 6A-1, mdl# AC-P TR-50 GOX)
S	2.002	4.9 MMBtu/hr Pyrolysis Unit #2 (ID# 6A-2, mdl# AC-P TR-50 GOX)
S	2.003	4.9 MMBtu/hr Pyrolysis Unit #3 (ID# 6A-3, mdl# AC-P TR-50 GOX)
S	2.004	4.9 MMBtu/hr Pyrolysis Unit #4 (ID# 6A-4, mdl# AC-P TR-50 GOX)
System 3 – Pyrogas Sulfur Removal System		
S	2.005	Pyrogas Sulfur Trap
System 4 – Carbon Black Storage Silos		
S	2.006	Carbon Black Silo #1 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.007	Carbon Black Silo #1 Unloading to Rail Cars through Vortex Spout
S	2.008	Carbon Black Silo #2 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.009	Carbon Black Silo #2 Unloading to Rail Cars through Vortex Spout

Issued to: GREENU COMMODITIES LLC

Section I. General Conditions

A. Severability (Nevada Administrative Code (NAC) 445B.315.3(c))
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.

B. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470)
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
2. Fail to pay any fee;
3. Falsify any material statement, representation or certification in any notice or report; or
4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.

C. Prohibited Conduct: Concealment of Emissions (NAC 445B.225)
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

D. Compliance/Noncompliance (NAC 445B.315.3(d))
Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
2. Modifying, revoking, reopening and revising, or terminating the Operating Permit; or
3. Denial of an application for a renewal of the Operating Permit.

E. NAC 445B.315.3(e)
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.

F. NAC 445B.315.3(f)
The director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.

G. NAC 445B.315.3(g)
This Operating Permit does not convey any property rights or any exclusive privilege.

H. NAC 445B.315.3(h)
Permittee shall provide the Bureau of Air Pollution Control, within a reasonable time, with any information that the Bureau of Air Pollution Control requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.

I. Fees (NAC 445B.315.3(i))
Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.

J. Right to Entry (NAC 445B.315.3(j))
Permittee shall allow the Bureau of Air Pollution Control personnel, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
   a. The stationary source is located;
   b. Activity related to emissions is conducted; or
   c. Records are kept pursuant to the conditions of this Operating Permit;
2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit;
3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit; and
4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.

K. Certification (NAC 445B.315.3(k))
A responsible official of Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.

Issued to: GREENU COMMODITIES LLC

Section I. General Conditions (continued)

L. Testing and Sampling (NAC 445B.252)

1. To determine compliance with NAC 445B.001 to 445B.3689, inclusive, before the approval or the continuance of an Operating Permit or similar class of permits, the director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial startup of the facility and at such times as may be required by the director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the director:
   a. Specifies or approves, in specific cases, the use of a method of reference with minor changes in methodology;
   b. Approves the use of an equivalent method;
   c. Approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific stationary source is in compliance; or
   d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the director's satisfaction that the affected facility is in compliance with the standard.
3. Tests of performance must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the performance test. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a performance test unless otherwise specified in the applicable standard. (NAC 445B.252.3)
4. Permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures. (NAC 445B.252.4)
5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the director's approval. (NAC 445B.252.5)
6. All testing and sampling will be performed in accordance with recognized methods and as specified by the director. (NAC 445B.252.6)
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the director must be provided and paid for by the owner of the stationary source. (NAC 445B.252.7)
8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of NAC 445B.001 to 445B.3689, inclusive, and copies of these results must be provided to the director no later than 60 days after the testing or sampling, or both.

M. Maximum Opacity of Emissions (NAC 445B.22017)

1. Except as otherwise provided in this section and NAC 445B.2202, Permittee may not cause or permit the discharge into the atmosphere from any emission unit opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
   a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
   b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 CFR § 60.13(h).
2. The provisions of this section and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.

N. Exceptions for Stationary Sources (NAC 445B.2202)

The provisions of NAC 445B.22017 do not apply to:

1. Smoke from the open burning described in NAC 445B.22067;
2. Smoke discharged in the course of training air pollution control inspectors to observe visible emissions, if the facility has written approval of the commission;
3. Emissions from an incinerator as set forth in NAC 445B.2207;
4. Emissions of stationary diesel-powered engines during warm-up for not longer than 15 minutes to achieve operating temperatures.

O. Odors (NAC 445B.22087)

Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents comfortable enjoyment of life or property.

Issued to: GREENU COMMODITIES LLC

Section I. General Conditions (continued)

P. Assertion of Emergency as Affirmative Defense to Action for Noncompliance (NAC 445B.326.1)
Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit if the holder of the Operating Permit demonstrates through signed, contemporaneous operating logs or other relevant evidence that:

1. An emergency (as defined in NAC 445B.056) occurred and the holder of the Operating Permit can identify the cause of the emergency;
2. The facility was being properly operated at the time of the emergency;
3. During the emergency, the holder of the Operating Permit took all reasonable steps to minimize excess emissions; and
4. Permittee submitted notice of the emergency to the director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.
5. In any action for noncompliance, Permittee, by asserting the affirmative defense of any emergency, has the burden of proof.

Q. Revocation and reissuance (NAC 445B.3265)

1. Permittee's operating permit may be revoked if the control equipment is not operating (NAC 445B.3265.1).
2. Permittee's operating permit may be revoked by the director upon determination that there has been a violation of NAC 445B.001 to 445B.3689, inclusive, or the provisions of 40 CFR § 52.21, or 40 C.F.R. Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants adopted by reference in NAC 445B.221 (NAC 445B.3265.2).
3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested (NAC 445B.3265.3).

**********End of General Conditions**********

Issued to: GREENU COMMODITIES LLC

Section II. General Construction Conditions

A.. Notification (NAC 445B.250.4, NAC 445B.346.2)
The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

B. Construction (NAC 445B.3487)
1. If construction will occur in one phase, a Class III operating permit or the revision of a Class III operating permit for a new or modified stationary source expires if construction is not commenced within 18 months after the date of issuance thereof or construction of the facility is delayed for 18 months or more after the construction begins. The Director may extend the date on which the construction may be commenced upon a showing that the extension is justified (NAC 445B.3487.3).
2. If construction will occur in more than one phase, the projected date of commencement of construction of each phase must be approved by the Director. A Class III operating permit or the revision of a Class III operating permit for a new or modified stationary source expires if the initial phase of construction is not commenced within 18 months after the projected date of the commencement of construction approved by the Director. The Director may extend only the date on which the initial phase of construction may be commenced upon a showing that the extension is justified (NAC 445B.3487.4).

**********End of General Construction Conditions*******

Issued to: GREENU COMMODITIES LLC

Section IIA. Specific Construction Requirements

A. **Emission Units PF1.001 through PF1.012** Location North 4,382.60 km, East 320.40 km, UTM (Zone 11, NAD 83)

System 1 – Shred-Tech 400E0250P Tire Shredding System		
PF	1.001	In-Feed Belt Conveyor (ID# 4A)
PF	1.002	Tire Shredder (ID# 4B)
PF	1.003	Tapor Slot Vibrating Conveyor (ID# 4C)
PF	1.004	Return Conveyor Belt (ID# 4D)
PF	1.005	Stacking Belt Conveyor (ID# 4E)
PF	1.006	Discharge Belt Conveyor #1 (ID# 4F)
PF	1.007	Discharge Belt Conveyor #2 (ID# 4G)
PF	1.008	Primary Pyrolysis Unit Tire Chip Feed Hopper (ID# 5A)
PF	1.009	Tire Chip Chute #1 (ID# 5B-1)
PF	1.010	Tire Chip Chute #2 (ID# 5B-2)
PF	1.011	Tire Chip Chute #3 (ID# 5B-3)
PF	1.012	Tire Chip Chute #4 (ID# 5B-4)

1. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.3489.2)
   a. For the purposes of demonstrating initial compliance with the emissions limitations established in Section V.A.2 of this operating permit for **PF1.001 through PF1.012, opacity observations shall be conducted on the process building opening that has the potential to exhaust particulate emissions associated with PF1.001 through PF1.012** in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which **PF1.001 through PF1.012** will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals). The observer shall read opacity only when emissions are clearly identified as emanating solely from the affected facility being observed. (40 CFR Part 60.11(b), 60.11(e)(1))
   b. Permittee shall provide notification of the anticipated date for conducting the opacity observations required in A.1.a of this section. The notification shall be postmarked not less than 30 days prior to such date. (40 CFR Part 60.7(a)(6))
   c. Within 60 days after completing the opacity observations contained in A.1.a of this section, Permittee shall furnish the director a written report of the results of the opacity observations required in A.1.a of this section. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3689, inclusive. (NAC 445B.252.8)

2. Notification and Recordkeeping (NAC 445B.250; NAC 445B.3489.2)
   Permittee shall provide the director the following:
   a. A notification of the date construction of **PF1.001 through PF1.012** is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form. (NAC 445B.250.1)
   b. A notification of the anticipated date of initial startup of **PF1.001 through PF1.012** postmarked not more than 60 days nor less than 30 days prior to such date. (NAC 445B.250.2)
   c. A notification of the actual date of initial startup of **PF1.001 through PF1.012** postmarked within 15 days after such date. (NAC 445B.250.3)

Issued to: GREENU COMMODITIES LLC

Section IIA. Specific Construction Requirements (continued)

B. Emission Units S2.001 through S2.004 Location North 4,382.59 km, East 320.39 km, UTM (Zone 11, NAD 83)

System 2 – American Combustion Technologies Inc. Pyrolysis Units		
S	2.001	4.9 MMBtu/hr Pyrolysis Unit #1 (ID# 6A-1, mdl# AC-P TR-50 GOX)
S	2.002	4.9 MMBtu/hr Pyrolysis Unit #2 (ID# 6A-2, mdl# AC-P TR-50 GOX)
S	2.003	4.9 MMBtu/hr Pyrolysis Unit #3 (ID# 6A-3, mdl# AC-P TR-50 GOX)
S	2.004	4.9 MMBtu/hr Pyrolysis Unit #4 (ID# 6A-4, mdl# AC-P TR-50 GOX)

1. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.3489.2)
Within 60 days after achieving the maximum production rate at which **S2.001 through S2.004** will be operated, but no later than 90 days after initial startup of the facility, Permittee shall determine initial compliance with the opacity standards and emission limits established in Section V.B.2.b of this operating permit for **S2.001 through S2.004** by conducting performance tests on **each** individual exhaust stack while combusting pyrogas in the pyrolysis burners as follows:
   a. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine the particulate matter concentration. The Method 5 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5, and include the back-half catch. The sample time for each test run shall be at least 120 minutes. The sample volume for each test run shall be at least 1.70 dscm (60.0 dscf). The temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160±14 °C (320±25 °F).
   b. A Method 201A and 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director for PM_{10}.
   c. The Method 201A and 202 test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 tests with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.B.2.b of this operating permit.
   d. Method 6 performance test for sulfur dioxide on the individual exhaust stacks. The Method 6 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 6.
   e. Method 7 performance test for nitrogen oxides on the individual exhaust stacks. The Method 7 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 7.
   f. Method 10 performance test for carbon monoxide on the individual exhaust stacks. The Method 10 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 10.
   g. Method 15 performance test for reduced sulfur species on the individual exhaust stacks. The Method 15 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 15.
   h. Method 23 performance test for dioxans/furans on the individual exhaust stacks. The Method 23 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 23.
   i. Conduct and record a Method 25 performance test for volatile organic compounds on the individual exhaust stacks. The Method 25 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 25.
   j. For the purposes of demonstrating compliance with the opacity standard established in Section V.B.2.b of this operating permit for **S2.001 through S2.004**, opacity observations shall be conducted concurrently with the performance test and in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).
   k. The performance tests required under this section that are conducted below the maximum allowable heat input rates, as established in Section V.B.3 of this operating permit for **S2.001 through S2.004**, shall be subject to the director's review to determine if the heat input rates during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.
   l. Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.

2. Test Methods and Procedures – Pyrogas Stream Characterization (NAC 445B.252, NAC 445B.3489.2)
Permittee shall characterize the pyrogas composition prior to combustion in the pyrolysis units at a sampling point that is located downstream of the main pyrolysis storage tank and upstream of the pyrolysis burners. The sample shall be taken while conducting the performance tests required in B.1.a of this section. ASTM Method D7833-12, Standard Test Method for Determination of Hydrocarbons and Non-Hydrocarbon Gases in Gaseous Mixtures by Gas Chromatography, shall be used to determine the non-hydrocarbon gases hydrogen, nitrogen, oxygen, carbon monoxide, carbon dioxide, and hydrocarbon gases with carbon numbers from C1 to C6. ASTM Method D1072 or ASTM Test Method D4468 shall be used to determine the total sulfur concentration. The Director may approve alternate test methods if requested by the Permittee.

3. Notification (NAC 445B.250, NAC 445B.3489.2)
Permittee shall provide the director the following:
   a. A notification of the date construction of **S2.001 through S2.004** is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form. (NAC 445B.250.1)
   b. The anticipated date of initial start-up of **S2.001 through S2.004**, postmarked not more than 60 days and not less than 30 days before such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.001 through S2.004** postmarked within 15 days after such date. (NAC 445B.250.3)

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Section IIA. Specific Construction Requirements (continued)

C. **Emission Unit S2.005** Location North 4,382.60 km, East 320.41 km, UTM (Zone 11, NAD 83)

System 3 – Pyrogas Sulfur Removal System		
S	2.005	Pyrogas Sulfur Trap

1. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.3489.2)
Within 30 days after achieving initial startup of **S2.005**, Permittee shall determine initial compliance with the sulfur limit established in Section V.C.2 of this operating permit for **S2.005** by conducting performance tests on the pyrogas upstream and downstream of **S2.005** as follows:
   a. ASTM Method D1072, ASTM Test Method D4468, or some other test method as approved by the Director shall be used to determine the total sulfur concentration.
   b. Performance tests required under this section shall use the methods specified and be conducted when all four pyrolysis units (**System 2**) are operating, unless otherwise approved by the Director.
   c. Performance tests required under this section that are conducted below the maximum allowable throughput, as established in Section V.C.3 of this operating permit for **S2.005**, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.
   d. Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.

2. Notification (NAC 445B.250, NAC 445B.3489.2)
Permittee shall provide the director the following:
   a. A notification of the date construction of **S2.005** is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form. (NAC 445B.250.1)
   b. The anticipated date of initial start-up of **S2.005**, postmarked not more than 60 days and not less than 30 days before such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.005** postmarked within 15 days after such date. (NAC 445B.250.3)

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Section IIA. Specific Construction Requirements (continued)

D. **Emission Unit S2.006 through S2.009** Location North 4,382.60 km, East 320.35 km, UTM (Zone 11, NAD 83)

System 4 – Carbon Black Storage Silos		
S	2.006	Carbon Black Silo #1 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.007	Carbon Black Silo #1 Unloading to Rail Cars through Vortex Spout
S	2.008	Carbon Black Silo #2 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.009	Carbon Black Silo #2 Unloading to Rail Cars through Vortex Spout

1. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.3489.2)
   a. For the purposes of demonstrating initial compliance with the opacity standards established in Sections V.D.2 of this operating permit for **S2.006 through S2.009**, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which **S2.006 through S2.009** will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).
   b. Permittee shall provide notification of the anticipated date for conducting the opacity observations required in D.1.a of this section. The notification shall be postmarked not less than 30 days prior to such date.
   c. Within 60 days after completing the opacity observations contained in D.1.a of this section, Permittee shall furnish the director a written report of the results of the opacity observations required in D.1.a of this section. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3689, inclusive.

2. Notification and Recordkeeping (NAC 445B.250; NAC 445B.3489.2)
   Permittee shall provide the director the following:
   a. A notification of the date construction of **S2.006 through S2.009** is commenced, postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form. (NAC 445B.250.1)
   b. The anticipated date of initial start-up of **S2.006 through S2.009**, postmarked not more than 60 days and not less than 30 days before such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.006 through S2.009**, postmarked within 15 days after such date. (NAC 445B.250.3)

**********End of Specific Construction Conditions*******

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Section III. General Operating Conditions

A. Facilities Operation (NAC 445B.227)
Permittee may not:
1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of this Operating Permit is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of this Operating Permit.

B. Excess Emissions (NAC 445B.232; NAC 445B.3489.2)
1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive, must be approved by the director and performed during a time designated by the director as being favorable for atmospheric ventilation.
2. The director must be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive.
3. The director must be notified in writing or by telephone of the time and expected duration at least 24 hours in advance of any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive.
4. The director must be notified of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during startup or shutdown of such equipment. The telephone number for the notification is (775) 687-4670.
5. Permittee, as the owner or operator of an affected facility, shall provide the director, within 15 days after any malfunction, upset, startup, shutdown, or human error which results in excess emissions, sufficient information to enable the director to determine the seriousness of the excess emissions. The information must include at least the following:
   a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
   b. The estimated magnitude of the excess emissions expressed in opacity or in units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
   c. The time and duration of the excess emissions.
   d. The identity of the equipment causing the excess emissions.
   e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
   f. The steps taken to limit the excess emissions.
   g. Documentation that the equipment for controlling air pollution, process equipment, or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

C. Permit Revision (NAC 445B.287.1.c)
A revision of this operating permit is required pursuant to the requirements of NAC 445B.3493 before the stationary source may be modified.

**********End of General Operating Conditions**********

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Section IV. General Monitoring and Recordkeeping

A. Records Retention (NAC 445B.315.3.b.)
Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.

B. Reporting (NAC 445B.3489.3)
Permittee will promptly report to the director any deviations from the requirements of this Operating Permit. The report to the director will include the probable cause of all deviations and any action taken to correct the deviations. For this Operating Permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 and under condition III.B of this permit.

C. Yearly Reports (NAC 445B.315.3.h., NAC 445B.3489.2)
Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

*********End of General Monitoring and Recordkeeping Conditions*********

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Section V. Specific Operating Conditions

A. Emission Units PF1.001 through PF1.012 Location North 4,382.60 km, East 320.40 km, UTM (Zone 11, NAD 83)

System 1 – Shred-Tech 400E0250P Tire Shredding System		
PF	1.001	In-Feed Belt Conveyor (ID# 4A)
PF	1.002	Tire Shredder (ID# 4B)
PF	1.003	Tapor Slot Vibrating Conveyor (ID# 4C)
PF	1.004	Return Conveyor Belt (ID# 4D)
PF	1.005	Stacking Belt Conveyor (ID# 4E)
PF	1.006	Discharge Belt Conveyor #1 (ID# 4F)
PF	1.007	Discharge Belt Conveyor #2 (ID# 4G)
PF	1.008	Primary Pyrolysis Unit Tire Chip Feed Hopper (ID# 5A)
PF	1.009	Tire Chip Chute #1 (ID# 5B-1)
PF	1.010	Tire Chip Chute #2 (ID# 5B-2)
PF	1.011	Tire Chip Chute #3 (ID# 5B-3)
PF	1.012	Tire Chip Chute #4 (ID# 5B-4)

1. Air Pollution Equipment (NAC 445B.3489.1)
Particulate emissions from **PF1.001 through PF1.012** each, shall be controlled by being enclosed in a building.
Particulate emissions from **PF1.002** shall be controlled by water sprays located at the intake of **PF1.002**.

2. Emission Limits (NAC 445B.305, NAC 445B.3489.1)
On and after the date of startup of **PF1.001 through PF1.012**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
   a. The discharge of PM to the atmosphere will not exceed 0.095 pound per hour, nor more than 0.38 ton per year, combined.
   b. The discharge of PM_{10} to the atmosphere will not exceed 0.040 pound per hour, nor more than 0.16 ton per year, combined.
   c. The opacity from **PF1.001 through PF1.002** each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

3. Operating Parameters (NAC 445B.3489.1)
   a. The maximum allowable throughput rate for **PF1.001 through PF1.008** each, will not exceed 8.33 tons of tires per any one-hour period, nor more than 66,000 tons per year.
   b. The maximum allowable throughput rate for **PF1.009 through PF1.012** each, will not exceed 2.08 tons of tires per any one-hour period, nor more than 16,500 tons per year.
   c. Hours
   PF1.001 through PF1.012 each, may operate 24 hours per day, but no more than 7,920 hours per calendar year.

4. Monitoring, Testing and Reporting (NAC 445B.3489.2)
Monitoring and Recordkeeping (NAC 445B.3489.2)
Permittee, upon the issuance date of this permit, will:
   (1) Monitor the throughput rate of tires for **PF1.001 through PF1.012 at PF1.001** on a daily basis.
   (2) Monitor the hours of operation for **PF1.001 through PF1.012 at PF1.001** on a daily basis.
   (3) The required monitoring established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
      (a) The calendar date of any required monitoring.
      (b) The total daily throughput rate of tires in tons, for the corresponding date.
      (c) The total daily hours of operation for the corresponding date.
      (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
      (e) The monthly throughput rate in tons per calendar month, and the corresponding annual throughput rate in tons per 12-month rolling period. The monthly throughput rate will be determined at the end of each calendar month as the sum of each total daily throughput rate as determined in (b) above for each day of the calendar month. The annual throughput rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
      (f) The monthly hours of operation, and the corresponding sum of hours of operation for the calendar year. The monthly hours of operation will be determined at the end of each calendar month as the sum of daily hours of operation as determined in (c) above for each day of the calendar month. The monthly hours of operation shall be added beginning in January of each year to ensure compliance with A.3.c of this section.

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Section V. Specific Operating Conditions (continued)

B. Emission Units S2.001 through S2.004 Location North 4,382.59 km, East 320.39 km, UTM (Zone 11, NAD 83)

System 2 – American Combustion Technologies Inc. Pyrolysis Units		
S	2.001	4.9 MMBtu/hr Pyrolysis Unit #1 (ID# 6A-1, mdl# AC-P TR-50 GOX)
S	2.002	4.9 MMBtu/hr Pyrolysis Unit #2 (ID# 6A-2, mdl# AC-P TR-50 GOX)
S	2.003	4.9 MMBtu/hr Pyrolysis Unit #3 (ID# 6A-3, mdl# AC-P TR-50 GOX)
S	2.004	4.9 MMBtu/hr Pyrolysis Unit #4 (ID# 6A-4, mdl# AC-P TR-50 GOX)

1. Air Pollution Equipment (NAC 445B.3489.1)
Shredded tires from **System 1** are fed into the pyrolysis chamber. The pyrolysis of tires generates a solid stream and gaseous stream. The solid stream consists of carbon black and steel. The solid stream is separated via magnetic separation into carbon black and steel scrap. Carbon black is transferred to **System 4**. The steel scrap is transferred to a bin. The gaseous stream from the pyrolysis of shredded tires exit the pyrolysis chamber and is cleaned by a cyclone separator (removes carbon black particulates), particle wash system (scrubber system that removes condensables and particulates, condensables transferred to pyro oil storage tanks), enclosed cooling tower (cools pyrogas), condenser/demister (removes condensables, which are transferred to pyro oil storage tanks), and a sulfur removal system (removes sulfur to less than 1 ppm, **System 3**). The cleaned pyrogas (contains hydrogen, carbon monoxide, carbon dioxide, ethylene, ethane, methane, propane, butane, and less than one ppm sulfur) is then ducted to a 1,000 gallon main pyrogas storage tank. The pyrogas is then used as a gaseous fuel that operates the 4.9 MMBtu process heaters for emission units **S2.001 through S2.004**. The four process heaters are controlled with low NOx (15 ppm manufacture guarantee) and low CO (50 ppm manufacture guarantee) control technology. Emissions from the pyrolysis burners are ducted to the atmosphere through **individual stacks**. Each emission unit is a stand-alone operation. The sulfur removal system acts as a common control for each pyrolysis unit. Propane is initially used to operate the pyrolysis burners until adequate pyrogas is generated.

Exhaust Stack Heights – 54 feet
Exhaust Stack Inside Diameters – 1.33 feet
Exhaust Stack Temperatures – 450 to 500 ^{0}F

2. Emission Limits (NAC 445B.305; NAC 445B. 3489.1)
   a. Propane Combustion Startup Operations
   On and after the date of startup of **S2.001 through S2.004**, Permittee will not discharge or cause the discharge from the individual exhaust stacks into the atmosphere the following pollutants from **S2.001 through S2.004** in excess of the following specified limits:
   (1) The discharge of PM to the atmosphere will not exceed **0.027** pound per hour, nor more than **0.0013** ton per year, each.
   (2) The discharge of PM_{10} to the atmosphere will not exceed **0.027** pound per hour, nor more than **0.0013** ton per year, each.
   (3) The discharge of SO_2 to the atmosphere will not exceed **0.058** pound per hour, nor more than **0.0028** ton per year, each.
   (4) The discharge of NOx to the atmosphere will not exceed **0.50** pound per hour, nor more than **0.024** ton per year, each.
   (5) The discharge of CO to the atmosphere will not exceed **0.29** pound per hour, nor more than **0.014** ton per year, each.
   (6) The discharge of VOCs to the atmosphere will not exceed **0.038** pound per hour, nor more than **0.0018** ton per year, each.
   (7) The opacity from the individual stack discharge of **S2.001 through S2.004** each, will not equal or exceed **20** percent in accordance with NAC 445B.22017.

   b. Pyrogas Combustion Steady State Operations
   On and after the date of startup of **S2.001 through S2.004**, Permittee will not discharge or cause the discharge from the individual exhaust stacks into the atmosphere the following pollutants from **S2.001 through S2.004** in excess of the following specified limits:
   (1) The discharge of PM to the atmosphere will not exceed **0.014** pound per hour, nor more than **0.056** ton per year, each.
   (2) The discharge of PM_{10} to the atmosphere will not exceed **0.014** pound per hour, nor more than **0.056** ton per year, each.
   (3) The discharge of SO_2 to the atmosphere will not exceed **0.11** pound per hour, nor more than **0.43** ton per year, each.
   (4) The discharge of NOx to the atmosphere will not exceed **0.12** pound per hour, nor more than **0.47** ton per year, each.
   (5) The discharge of CO to the atmosphere will not exceed **0.24** pound per hour, nor more than **0.95** ton per year, each.
   (6) The discharge of VOCs to the atmosphere will not exceed **0.0021** pound per hour, nor more than **0.0084** ton per year, each.
   (7) The opacity from the individual stack discharge of **S2.001 through S2.004** each, will not equal or exceed **20** percent in accordance with NAC 445B.22017.

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Section V. Specific Operating Conditions (continued)

B. Emission Units S2.001 through S2.004 - continued

3. Operating Parameters (NAC 445B. 3489.1)
   a. **S2.001 through S2.004** will only be used to pyrolyze clean shredded tires.
   b. **S2.001 through S2.004** will be operated according to the American Combustion Technologies Operation and Service Manual. A copy of the Operation and Service Manual shall be kept on site.
   c. **S2.001 through S2.004** may only be operated by certified personnel that have been properly trained. A record of personnel that have been properly trained and certified on the operation of **S2.001 through S2.004** shall be kept on site.
   d. The maximum allowable capacity of shredded tires for **S2.001 through S2.004** each, will not exceed 2.08 tons of shredded tires per any one-hour period, nor more than 16,500 tons per any 12-month rolling period.
   e. The maximum allowable heat input rate for **S2.001 through S2.004** each, will not exceed 4.9 MMBtu per any one-hour period, consuming a maximum of 38.5 gallons per hour of propane during startup operations and a maximum of 3,922 cubic feet per hour of cleaned pyrogas during steady state operations.
   f. Cleaned pyrogas is defined as the gaseous stream that has been purified as described in B.1 of this section.
   g. **System 3** shall be operating when **S2.001 through S2.004** are operating.
   h. A temperature range of 750 to 850 ^{0}F shall be maintained in each pyrolysis chamber when tires are being processed.
   i. The tire feed system into the pyrolysis chamber shall be stopped if there are any exeedances of the tire feed rates or temperature ranges as specified in B.3.d and B.3.h of this section occurs.
   j. Hours
      (1) **S2.001 through S2.004** each, may operate 24 hours per day, but no more than 96 hours per calendar year when operating with propane.
      (2) **S2.001 through S2.004** each, may operate 24 hours per day, but no more than 7,920 hours per calendar year when operating with cleaned pyrogas.

4. Monitoring, Testing and Reporting (NAC 445B. 3489.1)
   a. Monitoring and Recordkeeping (NAC 445B. 3489.1)
      Permittee, upon the issuance date of this permit will:
      (1) Monitor and record the shredded tires throughput rate in tons for **S2.001 through S2.004** each, on a daily basis.
      (2) Monitor and record the hours of operation for **S2.001 through S2.004** each, on a daily basis.
      (3) Monitor and record the propane consumption rate in gallons for **S2.001 through S2.004** each, on a daily basis.
      (4) Monitor and record the cleaned pyrogas heat input rates in MMBTU for **S2.001 through S2.004** each, on a daily basis.
      (5) Monitor and record the cleaned pyrogas consumption rate for **S2.001 through S2.004** each, in standard cubic feet on a daily basis.
      (6) Install a gas flow meter to measure the propane fuel usage and pyrogas fuel usage.
      (7) Monitor the temperature of the pyrolysis chamber during steady state operations for **S2.001 through S2.004**. A continuous strip chart recorder shall be installed to continuously monitor the temperature.
      (8) Monitor and record any maintenance that is conducted on **S2.001 through S2.004**.
      (9) Monitor and record any malfunctions on **S2.001 through S2.004** and corrective actions to address any malfunctions.
      (10) The required monitoring established in (1) through (9) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
         (a) The calendar date of any required monitoring.
         (b) The total daily throughput rate of shredded tires for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly throughput rate of shredded tires. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation.
         (e) The monthly throughput rate in tons per calendar month, and the corresponding annual throughput rate in tons per 12-month rolling period. The monthly throughput rate will be determined at the end of each calendar month as the sum of each total daily throughput rate as determined in (b) above for each day of the calendar month. The annual throughput rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
         (f) The total daily propane consumption in gallons for **S2.001 through S2.004** for the corresponding date.
         (g) The total daily pyrogas heat input rate in MMBtu for **S2.001 through S2.004** for the corresponding date.
         (h) The total daily pyrogas consumption rate in standard cubic feet for **S2.001 through S2.004** for the corresponding date.
         (i) The corresponding average hourly propane consumption in gallons per hour for **S2.001 through S2.004**. The average hourly propane consumption rate will be determined from the total daily propane consumption rate and the total daily hours of operation recorded in (c) and (f) above.
         (j) The corresponding average hourly pyrogas consumption in MMBtu per hour for **S2.001 through S2.004**. The average hourly pyrogas consumption rate will be determined from the total daily pyrogas consumption rate and the total daily hours of operation recorded in (c) and (g) above.
         (k) The corresponding average hourly pyrogas consumption in cubic feet per hour for **S2.001 through S2.004**. The average hourly pyrogas consumption rate will be determined from the total daily consumption rate and the total daily hours of operation recorded in (c) and (h) above.
         (l) The temperature of the pyrolysis chambers of **S2.001 through S2.004** during steady state operations.
         (m) Maintenance logs conducted on **S2.001 through S2.004**.
         (n) Malfunction and corrective action logs for **S2.001 through S2.004**.

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Section V. Specific Operating Conditions (continued)

B. Emission Units S2.001 through S2.004 - continued

4. Monitoring, Testing and Reporting (NAC 445B. 3489.1) - continued

b. Performance/Compliance Testing (NAC 445B.252.1)

At least 90 days prior to the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, Permittee will conduct and record the following performance tests on each individual exhaust stack of **S2.001 through S2.004** while combusting pyrogas in the pyrolysis burners:

(1) Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine the particulate matter concentration. The Method 5 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5, and include the back-half catch. The sample time for each test run shall be at least 120 minutes. The sample volume for each test run shall be at least 1.70 dscm (60.0 dscf). The temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160±14 °C (320±25 °F).

(2) A Method 201A and 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director for PM_{10}.

(3) The Method 201A and 202 test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 tests with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in B.2.b of this section.

(4) Method 6 performance test for sulfur dioxide on the individual exhaust stacks. The Method 6 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 6.

(5) Method 7 performance test for nitrogen oxides on the individual exhaust stacks. The Method 7 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 7.

(6) Method 10 performance test for carbon monoxide on the individual exhaust stacks. The Method 10 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 10.

(7) Method 15 performance test for reduced sulfur species on the individual exhaust stacks. The Method 15 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 15.

(8) Method 23 performance test for dioxans/furans on the individual exhaust stacks. The Method 23 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 23.

(9) Conduct and record a Method 25 performance test for volatile organic compounds on the individual exhaust stacks. The Method 25 emissions test must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 25.

(10) For the purposes of demonstrating compliance with the opacity standard established in B.2.b of this section for **S2.001 through S2.004**, opacity observations shall be conducted concurrently with the performance test and in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(11) The performance tests required under this section that are conducted below the maximum allowable heat input rates, as established in B.3 of this section for **S2.001 through S2.004**, shall be subject to the director's review to determine if the heat input rates during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(12) Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.

(13) Test Methods and Procedures – Pyrogas Stream Characterization (NAC 445B.252, NAC 445B.3489.2)

Permittee shall characterize the pyrogas composition prior to combustion in the pyrolysis units at a sampling point that is located downstream of the main pyrolysis storage tank and upstream of the pyrolysis burners. The sample shall be taken while conducting the performance tests required in B.4.b(1) of this section. ASTM Method D7833-12, Standard Test Method for Determination of Hydrocarbons and Non-Hydrocarbon Gases in Gaseous Mixtures by Gas Chromatography, shall be used to determine the non-hydrocarbon gases hydrogen, nitrogen, oxygen, carbon monoxide, carbon dioxide, and hydrocarbon gases with carbon numbers from C1 to C6. ASTM Method D1072 or ASTM Test Method D4468 shall be used to determine the total sulfur concentration. The Director may approve alternate test methods if requested by the Permittee.

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Section V. Specific Operating Conditions (continued)

C. **Emission Unit S2.005** Location North 4,382.60 km, East 320.41 km, UTM (Zone 11, NAD 83)

System 3 – Pyrogas Sulfur Removal System		
S	2.005	Pyrogas Sulfur Trap

1. Air Pollution Equipment (NAC 445B.3489.1)
Sulfur emissions are removed from the pyrogas stream to a level of less than 1 ppm in **S2.005** and ducted to the main pyrogas storage tank. Pyrogas from the main pyrogas storage tank is ducted to emission units **S2.001 through S2.004** for use as fuel.

2. Emission Limits (NAC 445B.305; NAC 445B. 3489.1)
   a. On and after the date of startup of **S2.005**, emissions from **S2.005** are ducted to the main pyrogas storage tank. Pyrogas from the main pyrogas storage tank is ducted to emission units **S2.001 through S2.004** for use as fuel. Emissions are accounted for in **System 2** and will not exceed the emission limits established in V.B.2 of this section.

   b. Total sulfur emissions from the downstream side (of the first of two sulfur traps in series) of **S2.005** shall not exceed 1 ppm sulfur.

3. Operating Parameters (NAC 445B. 3489.1)
   a. The maximum allowable pyrogas flow for **S2.005** will not exceed 5,500 standard cubic feet per hour per one pyrolysis unit or 22,000 standard cubic feet per hour per four pyrolysis units.

   b. **S2.005** shall be operated and maintained in accordance with the vendor specifications and operating conditions, which will be provided to the Director prior to the startup of **S2.005**.

   c. Hours
   S2.005 may operate 24 hours per day, but no more than 7,920 hours per calendar year.

4. Monitoring, Testing and Reporting (NAC 445B. 3489.1)
Permittee, upon the issuance date of this permit will:
   (1) Monitor and record the hours of operation for **S2.005** on a daily basis.
   (2) Monitor and record the volume of gas for **S2.005** on a daily basis in standard cubic feet.
   (3) Monitor and record the sulfur concentration (in ppm) of the downstream side (of the first of two sulfur traps in series) of **S2.005** on a monthly basis. Appropriate test methods may include ASTM Method D1072, ASTM Test Method D4468, or other test method approved by the Director. The monthly monitoring will determine when the sulfur trap material needs to be replaced.
   (4) Monitor and record any maintenance that is conducted on **S2.005**, including the dates when the sulfur trap material is replaced.
   (5) The required monitoring established in (1) through (4) above will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
      (a) The calendar date of any required monitoring.
      (b) The total daily hours of operation for **S2.005** for the corresponding date.
      (c) The total daily volume of pyrogas processed through **S2.005** for the corresponding date.
      (d) The corresponding average hourly pyrogas flow rate. The average hourly flow rate will be determined from the total daily flow rate and the total daily hours of operation.
      (e) The results of the monthly sulfur concentration analysis for **S2.005**.
      (f) Maintenance logs conducted on **S2.005** and the corresponding dates.

Issued to: GREENU COMMODITIES LLC

Section V. Specific Operating Conditions (continued)

D. **Emission Unit S2.006 through S2.009** Location North 4,382.60 km, East 320.35 km, UTM (Zone 11, NAD 83)

System 4 – Carbon Black Storage Silos		
S	2.006	Carbon Black Silo #1 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.007	Carbon Black Silo #1 Unloading to Rail Cars through Vortex Spout
S	2.008	Carbon Black Silo #2 Loading (from pyrolysis units through enclosed belt conveyor, water cooled auger, rotating drum magnetic metal separator, and pneumatic conveyance system)
S	2.009	Carbon Black Silo #2 Unloading to Rail Cars through Vortex Spout

1. Air Pollution Equipment (NAC 445B.3489.1)
Emissions from **S2.006 and S2.008**, each, shall be ducted to a control system consisting of an Ultra Industries Baghouse with 100% capture and a maximum volume flow rate of 500 standard cubic feet per minute (dscfm).

Emissions from **S2.007 and S2.009**, each, shall be ducted to a control system consisting of a Salina Vortex Dust Collector with 100% capture and a maximum volume flow rate of 1,500 standard cubic feet per minute (dscfm).

2. Emission Limits (NAC 445B.305; NAC 445B.3489.1)
   a. On and after the date of startup of **S2.006 and S2.008**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
      (1) The discharge of PM to the atmosphere will not exceed 0.086 pound per hour, nor more than 0.17 ton per year, each.
      (2) The discharge of PM_{10} to the atmosphere will not exceed 0.086 pound per hour, nor more than 0.17 ton per year, each.
      (3) The opacity from the baghouses that control **S2.006 and S2.008** each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

   b. On and after the date of startup of **S2.007 and S2.009**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
      (1) The discharge of PM to the atmosphere will not exceed 0.26 pound per hour, nor more than 0.023 ton per year, each.
      (2) The discharge of PM_{10} to the atmosphere will not exceed 0.26 pound per hour, nor more than 0.023 ton per year, each.
      (3) The opacity from the dust collectors that control **S2.007 and S2.009** each, will not exceed 20 percent in accordance with NAC 445B.22017.

3. Operating Parameters (NAC 445B.3489.1)
   a. The maximum allowable loading rate for **S2.006 and S2.008** each, will not exceed 3.33 tons of carbon black per any one-hour period, nor more than 13,195 tons per any 12-month rolling period.
   b. The maximum allowable unloading rate for **S2.007 and S2.009** each, will not exceed 150.0 tons of carbon black per any one-hour period, nor more than 13,195 tons per any 12-month rolling period.
   c. Hours
      (1) **S2.006 and S2.008** each, may operate 24 hours per day, but no more than 3,960 hours per calendar year.
      (2) **S2.007 and S2.009** each, may not operate more than 6 hours per day and 176 hours per calendar year.

4. Monitoring, Testing and Reporting (NAC 445B.3489.1)
   a. Monitoring and Recordkeeping
      Permittee, upon the issuance date of this permit, will:
      (1) Monitor the loading rate of carbon black for **S2.006 and S2.008** on a daily basis.
      (2) Monitor the unloading rate of carbon black for **S2.007 and S2.009** on a daily basis.
      (3) Monitor the hours of operation for **S2.006 through S2.009** on a daily basis.
      (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading rate of carbon black in tons, for the corresponding date.
         (c) The total daily unloading rate of carbon black in tons, for the corresponding date.
         (d) The total daily loading hours of operation for the corresponding date.
         (e) The total daily unloading hours of operation for the corresponding date.
         (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
         (g) The corresponding average hourly unloading rate in tons per hour. The average hourly unloading rate will be determined from the total daily unloading rate and the total daily hours of operation recorded in (c) and (e) above.

**********End of Specific Operating Conditions**********

Issued to: GREENU COMMODITIES LLC

Section VI. Facility-wide Emission Caps

A. Cap for Emission Units PF1.001 through PF1.012 and S2.001 through S2.009

1. Emission Limits
On and after the date of startup of the facility, Permittee will not discharge or cause the discharge into the atmosphere from the facility emissions in excess of the following specified limits:

   a. The combined discharge of pollutants (PM_{10}, NO_x, SO_2, VOC, and H_2S) to the atmosphere will not exceed 5.0 tons per year.
   b. The discharge of Pb to the atmosphere will not exceed 1,000 pounds per year.

2. Monitoring, Recordkeeping, Reporting and Compliance

   a. Permittee will perform monitoring, recordkeeping and reporting as specified in Section V of this operating permit.

**********End of Emission Caps**********

Issued to: GREENU COMMODITIES LLC

Section VII. Surface Area Disturbance Conditions

Surface area disturbance in excess of 5 acres but less than 20 acres

A. Fugitive Dust (NAC 445B.22037)
   1. Permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
   2. Except as otherwise provided in subsection 4, Permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
   3. Except as provided in subsection 4, Permittee may not disturb or cover 5 acres or more of land or its topsoil until Permittee has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
   4. The provisions of subsections 2 and 3 do not apply to:
      a. Agricultural activities occurring on agricultural land; or
      b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

**********End of Surface Area Disturbance Conditions**********

Issued to: GREENU COMMODITIES LLC

Section VIII. Schedules of Compliance

A. N/A

**********End of Schedule of Compliance Conditions**********

Issued to: GREENU COMMODITIES LLC

Section IX. Amendments

October 15, 2013 – Aircase ID#7616, New Class III Permit.

This permit:

1. **Is non-transferable. (NAC 445B.287.3)**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5)**
3. **Will expire and be subject to renewal five (5) years from:** October 15, 2013 . **(NAC 445B.315)**
4. **A completed application for renewal of an operating permit must be submitted to the director on the form provided by him with the appropriate fee at least 40 calendar days before the expiration date of this operating permit. (NAC 445B.3689.2)**
5. **Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)**

THIS PERMIT EXPIRES ON: October 15, 2018

Signature

Issued by: Jeff Denison, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9336 Date: October 15, 2013

rp
10/13

Class III Non-Permit Equipment List

Appended to Permit #AP5093-3335

Emission Unit #	Emission Unit Description
IA1.001	40,000 Gallon Underground Pyro Oil Storage Tank 1
IA1.002	40,000 Gallon Underground Pyro Oil Storage Tank 2
IA1.003	40,000 Gallon Underground Pyro Oil Storage Tank 3
IA1.004	40,000 Gallon Underground Pyro Oil Storage Tank 4
IA1.005	40,000 Gallon Underground Pyro Oil Storage Tank 5
IA1.006	1,000 Gallon Main Pyrogas Storage Tank

Waste Tire Management Facility Permit

(Permit Application(s) available upon request)

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

August 7, 2014

Kevin Rose
GreeNu Commodities LLC
1050 S. 21st St.
Sparks, NV 89431

RE: GreeNu Waste Tire Management Facility, Solid Waste Permit SW1696REV00
Issuance and Transmittal of Final Permit and Response to Comments

Dear Mr. Rose:

Enclosed, please find the final Permit as required by NAC 444A.320(2) for the GreeNu Waste Tire Management Facility. Also enclosed is the Nevada Division of Environmental Protection (Division) response to Public Comments. Pursuant to NAC 444A.320(1), the Division has reviewed and considered all comments received in response to the Public Notice and Public Hearing for the GreeNu Waste Tire Management Facility prior to issuing the final Permit.

The Final Permit is effective as of the date accompanying the signature on the Permit. The final Permit and response to comments will also be posted on the Bureau of Waste Management website at http://ndep.nv.gov/bwm/greenu.htm.

Anyone wishing to appeal this final decision must do so within 10 days of the effective date of the Permit in accordance with NAC 445B.890 by filing State Environmental Commission Form #3, included with this letter. Please direct any questions regarding this transmittal to the undersigned at 775-687-9477 or PEckert@ndep.nv.gov.

Sincerely,

Paul Eckert, P.E.
Staff Engineer III
Permitting Branch
Bureau of Waste Management

PE:dm

Encl (3): Final Permit, SEC Form #3, NDEP Response to Comments

ec: Eric Noack, Chief, BWM
Mike Leigh, P.E., Supervisor, Permitting Branch, BWM
Paul Eckert, P.E., Permit Writer, BWM
Mike Ruffner, Solid Waste Inspector, BWM
Kevin Rose, GreeNu Commodities LLC krose@gwecc.com
GreeNu Public Hearing Mail List

File: 1696_peckert_08072014_11_LTR_Transmittal to GreeNu

1 FACILITY SUMMARY

Waste tires will be delivered to the GreeNu facility in compressed bales. The Facility uses a pyrolysis method for recycling which heats shredded tires in a reactor vessel containing an oxygen free atmosphere and a heat source. Closure of the facility will proceed in accordance with this Permit.

1.1 GENERAL DESCRIPTION

Waste tires will be delivered to the facility and stored in an outdoor storage yard prior to use. Bales are then manually broken apart and the waste tires are manually loaded onto a conveyor belt which transfers the tires to a tire shredding unit which reduces the tires to "tire chips". A pyrolysis unit will then thermally decompose the tire chips. Four separate streams are then generated:

1) a gas stream designated as "pyro gas"
2) a liquid stream designated as "pyro oil"
3) a solid stream which consists of the steel from the tire belts (and the steel straps from the bales)
4) a solid stream consisting of the portion of the tires that was not converted to pyro gas, designated as "carbon black".

1.2 OWNER/OPERATOR

GreeNu Commodities LLC
1050 S. 21st St.
Sparks NV 89431

1.3 FACILITY LOCATION

The facility is located adjacent to U.S. Highway 50 alternate in Lyon County, approximately 9 miles southeast of Fernley. The property's legal description is within Section 29, Township 20 North, Range 26 East MDB&M.

1.4 FACILITY DESIGN

Permitted Design Summary

Table 1

Class I	*Rev 00*	*Rev 01*		*Rev 02*		*Rev 03*	
		New	*Total*	*New*	*Total*	*New*	*Total*
Number of Tire Bale Storage Areas	12						
Storage Area (square feet - each)	5000						
Maximum Storage (PTEs*)	960,000						
Maximum Annual Processing Rate (PTEs*/yr)	6,600,000						

* PTE = Passenger Tire Equivalent

2 GENERAL PERMIT CONDITIONS

2.1 DEFINITIONS

Unless the context otherwise requires, the definitions used in this Permit have the meanings ascribed to them in NAC 444.200 to 444.270.

2.2 PERMIT ACTIONS (NAC 444A.330)

This Permit is based upon the information submitted in the Permit application, and as approved by the Division. This Permit is effective for 5 years from the date of signature and must be renewed by the

Permittee prior to expiration as required by NAC 444A.330. This Permit may be modified by the Division, for cause, in accordance with NAC 444A.330 or if there is a change in the statutes or regulations upon which the issuance of the Permit is based, or if a modification is otherwise necessary to protect public health, safety and the environment. This Permit may be revoked or suspended if written notice is given by the Division and the site does not remain in compliance with the applicable statutes and regulations. The filing of a request by the Permittee for a Permit modification or termination, or a notification of planned changes or anticipated noncompliance, or termination of activities authorized in the Permit does not stay any Permit condition. The Permittee shall inform the Division of any deviation from or change in the operations as presented in the application, which may affect the Permittee's ability to comply with applicable regulations or conditions of this Permit. This Permit may be transferred to a subsequent owner or operator only if the Division approves the transfer based on documentation of financial responsibility provided by the new owner or operator.

2.3 __ AVAILABILITY OF PERMIT DOCUMENTS

The Permittee shall keep, at the management facility, a complete copy of this Permit and incorporated documents, as identified herein.

2.4 __ COMPLIANCE WITH STATUTES AND REGULATIONS

The Permittee shall comply with NAC 444A.200 through 444A.430, as applicable.

2.5 __ DUTY TO PROVIDE INFORMATION

The Permittee shall furnish to the Division, within a reasonable time, any relevant information which the Division may request to determine compliance with this Permit or to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit. The Permittee shall also furnish to the Division, upon request, copies of records required to be kept by this Permit.

2.6 __ INCIDENT REPORTING

The Permittee shall report incidents to the Division as provided in the Operating Plan. In addition, the Permittee shall report any noncompliance, imminent or existing hazard from a release of waste or hazardous constituents, or from a fire or explosion at the facility, which may endanger human health or the environment. Such information shall be reported by telephone to (800) 331-6337 within 24 hours from the time the Permittee becomes aware of the circumstances. A written report shall be submitted within 15 days of the incident and shall include the following:

i. Name and title of person making report;
ii. Date, time, and type of incident;
iii. Name and quantity of material(s) involved;
iv. A complete description of the occurrence and its cause;
v. The extent of injuries, if any;
vi. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable;
vii. Estimated quantity and disposition of recovered material that resulted from the incident; and
viii. Actions taken by the Permittee in response to the incident.

2.7 __ REPORTING ANTICIPATED NON-COMPLIANCE

The Permittee shall give advance notice to the Division of any planned changes in the permitted facility or activity that may result in noncompliance with Permit requirements.

2.8 __ INSPECTION AND ENTRY

The Permittee shall allow the Division, or an authorized representative thereof, upon the presentation of credentials or other documents as may be required by law, to:

i. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;
ii. Have access to and copy, at reasonable times, any records kept under the conditions of this Permit;
iii. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
iv. Sample or monitor at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized, any substances or parameters at any location subject to the Permit.

2.9 __ PERMIT RENEWAL (NAC 444A.340)

2.9.1 If the Permittee wishes to renew this Permit the Permittee must:

2.9.1.1 Submit a notice of intent to renew the permit to the solid waste management authority at least 120 days before this Permit expires;

2.9.1.2 Submit an application for renewal to the solid waste management authority at least 60 days before this Permit expires;

2.9.1.3 Provide any information concerning the operation of the facility that was not submitted with application for the initial permit or the renewal of the permit;

2.9.1.4 Revise any information that has changed since the last submittal of an application for the permit to the solid waste management authority; and

2.9.1.5 This Permit will remain in effect should the Permittee file a timely notification of continued operation in accordance with NAC 444A.340(3).

2.10 __ FACILITY CLOSURE

If the Permittee fails to renew the application in accordance with Section 2.9 the Permittee shall close the Facility within 12 months in accordance with NAC 444A.400 and notify the Division of the intent to close.

3 ____ PERMIT DOCUMENTS

The following documents, as submitted by the Permittee and approved by the Division, also describe and/or restrict the operation of this disposal site and are adopted herein as if set forth in this Permit:

1. Application for a Waste Tire Management Facility, Revision of June 2014
2. Addendum to Section 2.6 dated June 10, 2014

4 ____ WASTE ACCEPTANCE CRITERIA

The Facility is permitted to accept only compressed, baled waste tires meeting the definition of NAC 444A.270, no other waste is permitted for acceptance at this facility. Acceptance of loose tires is prohibited.

4.1 ___ SOLID WASTES PERMITTED FOR DISPOSAL

1. Compressed, Baled Waste Tires per NAC 444A.270
2. Reserved

4.2 __ PROHIBITED SOLID WASTES

The Permittee is prohibited from accepting the following wastes:

1. Any waste not meeting the definition of NAC 444A.270
2. Loose tires
3. Reserved

5 RECORDKEEPING

5.1 The Permittee shall maintain records at the site as described in NAC444A.380. The owner or operator shall notify the Division when the documentation has been placed in or added to the operating records. All information contained in the operating records must be furnished upon request to the Division or be made available at all reasonable times for inspection by the Division.

6 REPORTING

The Permittee shall submit an Annual Report, pursuant to NAC 444A.390, to the Division no later than March 1st of each year.

6.1 FINANCIAL ASSURANCE REPORTING

The Permittee Shall:

1. Notify the Division of any adjustments made to the estimates for the amounts of closure and post-closure care in accordance with NAC 444A.410;
2. Each year within 30 days following the end of each calendar year of the issuance of this Permit, the Permittee shall submit the closure and post-closure cost estimates adjusted for inflation; and
3. The Permittee shall demonstrate continuous coverage for closure until released by the Division from the requirements for financial assurance by obtaining a certification of Closure in accordance with NAC 444A.430.

6.2 All reports, notifications, or other submissions which are required by this Permit must be submitted by the specified due date to:

Permitting Branch Supervisor
Bureau of Waste Management
Nevada Division of Environmental Protection
901 S Stewart Street, Suite 4001
Carson City, NV 89701-5249

7 GROUNDWATER MONITORING

Groundwater Monitoring shall be conducted in accordance with NAC 444.7481 through NAC 444.7498.

7.1 Any deviation from the ground water monitoring plan must be approved in advance by the Division as a Permit modification in accordance with NAC 444.6435.

7.2 The monitoring wells are to remain continuously locked except during sampling, inspection, and repairs. Keys must be available at the facility office at all times.

7.3 Groundwater Monitoring Reports shall be submitted to the Division as required by Section 6.3 by March 1st of each calendar year. The reports shall be submitted in both hardcopy and electronic format.

8 MISCELLANEOUS CONDITIONS

1. Reserved

9 ____ COMPLIANCE SCHEDULE

1. Within 30 days of completion of installation of groundwater monitoring wells, the Permittee shall submit to the Division a report including the driller's log, initial depth to water measurement, and analysis results of the initial sample for each.
2. The Permittee shall submit a letter to the Division 30 days prior to acceptance of waste tires stating the Facility will begin processing and request an inspection by the Division to confirm compliance with NAC 444A.350(2)
3. Reserved

10 ___ AUTHORIZATION

Signature of Approving Officer	*Name and Title of Approving Officer*	*Date of Issuance*
	R. Eric Noack, Chief *Bureau of Waste Management*	8/7/14 *Date*

File: 1696_PEckert_08062014_11_PMT_GreeNu_Permit_REV00

The following comments were made orally at the public hearing on July 23, 2014 by Ms. Terri Pereira, Associate Planner for Churchill County:

1. I didn't actually see the application in the information that I was provided when I got the draft permit but many of my questions were answered in your presentation. So, I assume that there will be a Bureau of Air Pollution Control Permit.

   That is correct; that is a separate bureau within the Nevada Division of Environmental Protection (Division).

2. Are there any other State or Federal agencies that are involved?

   Nevada's Solid Waste regulations require that the Applicant provide "Proof of compliance with any applicable ordinances or other requirements of the State or local governments for permits" [NAC 444A.290(7)] and "Proof of compliance with any applicable ordinances or other requirements of the local fire authority" [NAC 444A.290(8)].

   With regard to GreeNu specifically, the facility received approval to construct a waste tire management facility on this site via a Special Use Permit (SUP) from the City of Fernley in November of 2012, a copy of which was provided in the application. The Applicant has also obtained a permit from the Division Bureau of Air Pollution Control, and has received approval of the fire prevention and suppression plan from the State Fire Marshall. For any other aspects of the waste tire management facility which fall under the jurisdiction of Federal, State , or local agencies, the Operator will be required to obtain all necessary permits and abide by all applicable regulations and statutes.

3. Acquisition of those permits is not a condition of your permit?

   State Solid Waste regulations allow the issuing of the waste tire management Permit prior to obtaining all other Federal, State, and Local permits, but all such permits must be in place prior to initiating operations of the facility.

4. Will there be a public hearing for the air quality permit?

   Some air quality permits do not require public notice. For the GreeNu facility specifically, an inquiry could be made to the Division Bureau of Air Pollution Control.

5. With regard to the tires themselves, where did the 960,000 PTE (passenger tire equivalent) figure come from? Is that based on the size of the parcel, or the availability of tires?

   The facility is designed for a maximum storage capacity of 960,000 PTE. This represents the sum of the 100-foot by 50-foot by 10-foot high storage blocks completely filled with tire bales, based on the approximation of 100 PTE per bale.

6. So there isn't any limit?

   The Permit does limit storage of PTEs to 960,000 at the facility. In addition, the Operator will be required to process three-quarters of the PTEs received every year so that it's not a continual accumulation of tires.

7. Is the storage area covered or open, is it lined or just on the dirt?

   The storage area where waste tire bales are stacked will be open and paved with asphalt. The entire area will be graded to shed stormwater to the east toward the retention ponds so that no water is accumulated in the area where bales are stored.

8. How are the four (product) streams stored and how is the product moved? Is it by truck or by train? How often?

   The facility design included with the application calls for pyro gas, after separate solids removal and sulfur reduction, to be stored temporarily in a tank and then 100% will be reused in the process to heat the pyrolysis chamber. Pyro oil will be stored in underground tanks until shipped off by rail in tank cars. Scrap steel will be accumulated in bins and then transported off-site by truck. Finally, the carbon black will be stored in a silo until shipped off by rail in hopper cars. In each case of shipment off-site, the frequency of releasing a shipment will be dependent on the rate of accumulation and may vary.

9. None of this is hazardous waste?

   All of the identified material exiting the pyrolysis process is non-hazardous as defined in the Solid Waste regulations [NAC 444.580].

10. How much water is required for this process? Will they need a production well?

    No water will be used directly in the pyrolysis process. Incidental quantities will be used for cleaning of equipment and for two closed-circuit cooling systems: one for the carbon black and scrap steel after exiting the pyrolysis chamber, and one for cooling the gas stream. As a result of the low quantities required, no production well is proposed in the application.

11. What will be tested for in the groundwater wells, and how frequently will samples be taken?

    Samples will be taken from the upgradient and downgradient monitoring wells (2 total) and analyzed for the constituents listed in Appendix I of 40 CFR Part 258 [see NAC 444.5703 and NAC 444.7487]. The constituents listed include metals as well as volatile organic compounds. Sampling will be carried out and analytical results reported to the Division semi-annually.

12. Once this is in operation will they operate 24 hours a day?

    The application calls for the plant to operate 24 hours per day, 330 days per year, allowing for periods of down time for routine maintenance and cleaning.

13. Is there a similar plant somewhere in the United States that could be visited?

    Presently there are no representative facilities in the United States, but some have been operated in eastern Europe and the far east.

14. Will the Fire Marshal require some kind of emergency plan, an evacuation plan, that will be provided to residents in the area?

    The emergency plan required by the Solid Waste regulations is concerned solely with putting out a fire at the site.

15. What is the 250 gallon propane tank for?

    Before start of operations, there will be no supply of pyro gas to heat the pyrolysis chamber. The propane will be used at the start until sufficient pyro gas has been generated.

No written comments were received during the public notice period.

State of Nevada
Dept. of Conservation & Natural Resources
State Environmental Commission SEC.nv.gov
901 South Stewart Street, Suite 4001, Carson City, Nevada 89701

FORM 3: FORM FOR REQUESTING AN APPEAL HEARING

(Provide attachments as needed)

1. Name, address, telephone number, and signature of appellant:

Name: _____

Physical Address: _____

E-mail Address: _____

Telephone Number: _____

Signature: _____

Representative capacity (if applicable): _____

2. Attach copy of Nevada Division of Environmental Protection final decision, such as permit or notice of alleged violation, being appealed.

3. Specify grounds of appeal: (check all that apply)

- ☐ Final decision in violation of constitutional or statutory provision;
- ☐ Final decision made upon unlawful procedure;
- ☐ Final decision was affected by other error of law;
- ☐ Final decision was clearly erroneous in view of the reliable, probative and substantial evidence on the whole record;
- ☐ Final decision was arbitrary or capricious or characterized by abuse of discretion;

4. For each ground of appeal checked above, please list the constitutional, Nevada Revised Statute (NRS), and/or Nevada Administrative Code (NAC) provision allegedly violated. Also list the statutes and/or or regulations that give the State Environmental Commission jurisdiction to hear the appeal.

_____

_____

_____

_____

_____

5. For each ground of appeal checked above, provide a brief and concise statement of the facts which provide the basis for the appeal.

_____

_____

_____

_____

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_____

Date of Request: _____.

Send Form to: Executive Secretary, State Environmental Commission, 901 South Stewart Street, Suite 4001, Carson City, NV 89701

COMMUNITY & ECONOMIC DEVELOPMENT

Mojra Hauenstein, Director
Architect, NCARB
LEED Neighborhood Development

Permits
Planning
Development Review
Economic Development
Building and Safety
Code Enforcement
Animal Control
Sustainability

Advanced Tek Systems, Inc.
1050 S 21st St
Sparks, NV 89431

Re: Engineering Approval with Comments for GreeNu Civil Improvement Plans: CP2015-002

Dear Applicant,

Shaw Engineering has reviewed the Civil Improvement Plans Permit re-submittal for GreeNu Property APN: 021-392-10. There are no further items needing to be submitted and approval is issued by Engineering with the following comments:

1. Delete "To on-site storm drain system" on Detail 6, Sheet C6.2.

2. Applicant shall coordinate with City prior to construction for coordination of inspection, testing, verification and quality assurance program (QAP) in accordance with Chapter 12 – Inspection, Testing, Verification, and Quality Assurance Program of the City Design Standards.

   Additional coordination during the implementation of this project is required as follows:
   a. North Lyon County Fire for all fire line installation.
   b. City of Fernley Public Works for domestic, irrigation, and fire line backflow prevention assemblies.
   c. City of Fernley Utility Billing for water service account set up, including meter set coordination and fees.

3. Construction of improvements for this permit shall be coordinated with forthcoming permit for offsite water line and GreeNu Parkway improvements.

Please provide a cover letter explaining how each comment above is addressed.
State where specific drawings revisions are located (sheet#) and mark each revision with a delta and a bubble (per Nevada Blue Book).

This is a cursory review and additional review comments may be added or may be pending from other departments or divisions. Additional comments may be added after the initial review and subsequent reviews as allowed by the administrative authority of the IBC. All revision comments for each division (Building or Civil) shall be submitted at one time with a cover letter addressing all corrections requested by the City; Partial or incomplete revisions for a division will not be accepted as stated in the Nevada Blue Book. Please note that any changes to the project must be submitted with relative updated drawings and specifications for approval from the City prior to any changes in the field. Construction that has been changed in the field without prior approval may be subject to removal at the cost of owner / contractor.

Nevada Division of Environmental Protection
Bureau of Water Pollution Control

ANNUAL INVOICE: Stormwater Construction General Permit FEE FOR FISCAL YEAR 2016

Access Code: N/A **Print Date: 05/13/2015**

TO: MR.JEFF BEAN

Q&D CONSTRUCTION, INC.
1050 S. 21ST STREET

SPARKS, NV 89431

FOR: Site Name: GREENU WESTERN NEVADA RAIL PARK

Site ID/Invoice Number: CSW-39991

Total Amount Due: $200

This invoice is a result of a permit that is currently held under one or both of the names listed above.

In accordance with Nevada Administrative Code (NAC) 445A.268 Section (5)(b) in part, a Permittee (discharger) who is covered under a general permit shall pay to the Director a nonrefundable fee of $200 not later than July 1 of each year that the discharger is covered under that permit. Additionally, please note, in accordance with NRS 353.1467, payments to the State for $10,000 or more must be paid electronically beginning July 1, 2008. Governmental entities are exempt. To enable electronic fee payment, starting on July 1, 2008, NDEP will accept E-check payments of any amount through our secure website https://epayments.ndep.nv.gov

To terminate coverage of a Nevada General Permit, the Permittee must submit a Notice of Termination ("NOT") when their facility no longer discharges.

Please note, any "NOT's" that come in to our office after July 1st will be subject to pay the annual fee no matter the completion date of the project.

ALL DOCUMENTS SUBMITTED TO THIS OFFICE MUST HAVE AN ORIGINAL SIGNATURE (S).

For General Stormwater Permit questions, please call 775-687-9442.
For questions regarding other general permits, please call 775-687-9492.

PLEASE RETURN THIS STUB WITH PAYMENT

If paying by paper check please make checks payable to "NDEP – BWPC". Remit payment to:
Permit Branch, NDEP – BWPC, 901 South Stewart Street Suite 4001, Carson City, NV 89701.

Annual Fee Payment for Fiscal Year 2016

Site Name: GreeNu Western Nevada Rail Park

Site ID/Invoice Number: CSW-39991

Taxpayer ID (TIN): 880101010

Amount Due: $200

Due 07/01/2015

New Billing Address or Contact Person:

Organization: ADVANCED TEK SYSTEMS

Contact Name: LARRY APPEL

Address: 18 TURTLE CREEK CT, SUITE 102

City/State/Zip: O'FALLON, IL 62269

Phone: 775-560-6171

Q&D Construction, Inc.

Main Office
Northern Nevada
P.O. Box 10865
Reno, NV 89510
NCL: 8197A&B
CCL: 427988BA
775.786.2677 ph
775.786.5136 fax

June 16, 2015

Advanced Tek Systems

Larry Appel

Re: NDEP CSW-39991 Permit

Dear Sir,

This letter is to notify you that Q&D Construction intends to change the operator of the currently open NDEP CSW Permit 39991 to Advanced Tek Systems. Please follow the NDEP instructions for filling a NOI,

If you have any questions, please don't hesitate to call.

Thanks,

Jeff Bean

(775) 302-6474

BUILT FOR
A NEW
CENTURY

Re: Stormwater Construction Permit NVR100000
Site ID: CSW-40954
Project Name: GreenNu Western Rail Park

Date: 6/16/2015

Owner: Global Waste Energy Conservation Company **Operator:** Advanced Tek Systems

William Rose
601 Pennsylvania Ave.
NW Suite 900 S Building
Washington DC 200014

Larry Appel
18 Turtle Creek Ct, Suite 102

OFallon IL 622690000

Renew NO *** If this is a Renewal Application, NO filing fee is required.**

Submission of this Electronic Notice of Intent constitutes notice that the Permittee identified in this request intends to be authorized by a permit issued by the State of Nevada and has or will comply with the following:

1. The Permittee will comply with all applicable permit conditions,
2. The Permittee understands that implementation of all controls required under by a General Permit will begin at the time the permittee commences work on the project identified in this application;
3. The Permittee understands that failure to submit the required $200.00 fee and this signed Certification Page within 30 days of the electronic submittal will result in failure for eligible coverage under the General Permit; and,
4. That Nevada Administrative Code (NAC) 445A requires that a Permittee (discharger) who is covered under a general permit shall pay to the Director/Division an annual services fee on or before July 1 of each year that the discharger is covered under that permit; and,
5. To terminate coverage of a General Permit, the Permittee must submit a Notice of Termination ("NOT") form when their facility no longer has any discharges associated with the site identified in this application for General Permit coverage.

Please mail the filing fee of $200.00 along with this notice to:

Bureau of Water Pollution Control
Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, NV 89701-5249

Should you have any questions, please contact (775) 687-9492.

Project located in whole or in part on tribal lands: No

NOI Certification Statement

"I hereby certify that I am familiar with the information contained in the application and that to the best of my knowledge and ability such information is true, complete, and accurate."

Owner or Operator Name (Please Print): _____

Signature (Please use a Non-Black Ink Color): _____

Any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained by the provisions of Nevada Administrative Code (NAC) 445A, or by any permit, rule, regulation, or order issued pursuant thereto, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the provisions of Nevada Administrative Code (NAC) 445A, inclusive, or by any permit, rule, regulation, or order issued pursuant thereto, is guilty of a gross misdemeanor and shall be punished by a fine of not more than $10,000 or by imprisonment in the county jail for not more than 1 year, or by both fine and imprisonment.

Attachmed File: N/A

Keep The Below Entered Information As Your Record

(New Permit: CSW-40954)

****

Section 1

****

Facility / Site Information

Estimated Area to be Disturbed (in acres): **25.50**
Site Name: **GreenNu Western Rail Park**
Address Line 1: **11000 Reno Highway**
Address Line 2:
City / State / Zipocde: **Hazen, NV 89408-____**
Contact Name (Phone #): **Mr.Larry Appel (7753537153)**
Email: **larry@advancedteksystems.com**
Name of Receiving Water and /or Description of Discharge Location: **Carson River**
Frequency of Discharge: **Unlikely**
Estimated Flow in Gallons: **0**
Estimated Begin - End Date: **06/23/2015 - 06/30/2016**

SWPPP Information

Address Line 1: **11000 Reno Highway**
Address Line 2:
City State / Zipocde: **Hazen, NV 89408-____**
Contact Name (Phone #): **Mr.Larry Appel (7753537153)**

Location / GIS Information

Assessor's Parcel Number (APN): **021-392-10**
Standard Industrial Classification (SIC) Code: **1 - Agricultural production- crops**
County(ies): **Lyon**

****

Section 2, 3 And 4

****

Owner Name and Address

Is the Owner the Permittee? - **NO**
Owner Name: **Global Waste Energy Conservation Company**
Address Line 1: **601 Pennsylvania Ave.**
Address Line 2: **NW Suite 900 S Building**
City / State / Zipocde: **Washington, DC 200014**
Contact Name: **Mr.William Rose**
Contact Phone #: **2022203006**
Taxpayer ID (TIN): **000000000**
Legal Status: **Federal**

Operator Name and Address

Is the Operator the Permittee? - **YES**
Operator Name: **Advanced Tek Systems**
Address Line 1: **18 Turtle Creek Ct, Suite 102**
Address Line 2:
City / State / Zipocde: **OFallon, IL 622690000**
Contact Name: **Mr.Larry Appel**
Contact Phone #: **7753026354**
Taxpayer ID (TIN): **000000000**
Legal Status: **Private**

Billing/Invoicing

Send Annual Billing/Invoicing Information to: **Operator**

Attachments

Attached File Name: **N/A**

Login ID: LAppeL
Password: GreeNu
Security Question: what is your favorite color
Answer: Green

Notice ... age under a General National Pollutant ... ystem (NPDES) Permit

Submission ... erator identified below is no longer authorized to discharge under the N...

Mail the co...

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
901 S. Stewart St., Suite 4001
Carson City, NV 89701

I. PERMIT INFORMATION

Are you filing this NOT due to a change in ownership or operator? Yes ☒ No ☐

If yes, stop here. Please refer to the respective General Permit Part "Transfer of Ownership or Control" for appropriate procedures in completing your change of ownership/or operator.

Have all operations associated with this permit been terminated in accordance with applicable permit conditions?

Yes ☐ No ☒

If No, provide reason for submission of this Notice of Termination:

Transfer of ownership

Permit Identification Number (e.g. PGP-xxxx, DDP-xxxx, CSW-xxxx, ISW-xxxx, or MSW-xxxx): CSW-39991

Date of Termination: 6/16/15

II. SITE OWNER/OPERATOR INFORMATION

Name: Q&D Construction Phone: (775) 786-2677

Address: 1050 south 21st street

City: Reno State: NV ZIP Code: 89431

Email address: JBean@QDConstruction.com

III. NEW SITE OWNER/OPERATOR INFORMATION (If applicable)

Name: William Rose Phone: (202) 220-3006
Address: 601 Pennsylvania Ave. NW Suite 900 S. Building
City: Washington State: D.C. ZIP Code: 20004
Email address:
Has a new NOI been submitted? Yes ☒ No ☐ If yes, what is the new Site ID Number?
(e.g. PGP-xxxx, DDP-xxxx, CSW-xxxx, ISW-xxxx, or MSW-xxxx): CSW- 40954

IV. FACILITY/SITE LOCATION INFORMATION

Name: GreenNV Western NV Rail Park Phone:
Address: 11000 Reno Highway
City: Mazen State: NV ZIP Code: 89408
APN: 021 - 392-10

V. CERTIFICATION

"I hereby certify that I am familiar with the information contained in the application and that to the best of my knowledge and ability such information is true, complete, and accurate."

Print Name:
Signature: Date:

Any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained by the provisions of Nevada Administrative Code (NAC) 445A.070 to 445A.348, inclusive, or by any permit, rule, regulation, or order issued pursuant thereto, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the provisions of NAC 445A.070 to 445A.348, inclusive, or by any permit, rule, regulation, or order issued pursuant thereto, is guilty of a gross misdemeanor and shall be punished by a fine of not more than $10,000 or by imprisonment in the county jail for not more than 1 year, or by both fine and imprisonment.

BWPC Home | Contact Us | Change Login Info | Logout

NEVADA DIVISION OF
ENVIRONMENTAL PROTECTION

WATER POLLUTION CONTROL GENERAL PERMITS SYSTEM

Notice of Intent (NOI)
My Permit Status
Search All

General Permit Information
Site Number: CSW-39991

Submittal Date (mm/dd/yyyy)	Status	Approval Date (mm/dd/yyyy)	Non Compliance Description
2/23/2015	Approved	9/29/2014	N/A

Contact Type	Name	Address Line 1	Address Line 2	City	State	Zip	Title	First Name	Last Name	Telephone	Legal Status
Owner	Global Waste Energy Conversion Company	601 Pennsylvania Ave. NWSuite 900 S Building		Washington	DC	20004	Mr.	William	Rose	(202) 220-3006	Federal
Site	GreeNu Western Nevada Rail Park	11000 Reno Highway		Hazen	NV	89408	Mr.	Jeff	Bean	(775) 786-2677	Not Applicable
SWPPP	GreeNu Western Nevada Rail Park	11000 Reno Highway		Hazen	NV	89408	Mr.	Jeff	Bean	(775) 786-2677	Not Applicable
Operator	Q&D Construction, Inc.	1050 S. 21st Street		Sparks	NV	89431	Mr.	Jeff	Bean	(775) 786-2677	Private

APN Number	County	Latitude	Longitude	Acres
021-392-10	Lyon	39.525455	-118.959587	25.50

Receiving Water	Begin Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)	Frequency of Discharge
Carson River	10/20/2014	12/31/2015	Unlikely

Bill To
Operator

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All rights reserved.

Q&D Construction, Inc.

Main Office
Northern Nevada
P.O. Box 10865
Reno, NV 89510
NCL: 8197A&B
CCL: 427988BA
775.786.2677 ph
775.786.5136 fax

June 16, 2015

Advanced Tek Systems

Larry Appel

Re: NDEP AP16393558

Dear Sir,

This letter is to notify you that Q&D Construction intends to change the operator of the currently open NDEP SAD 2 Permit Number AP16293558 to Advanced Tek Systems. Please follow the instructions for submitting payment.

Thanks,

Jeff Bean
Project Manager

(775) 302-6474

I hereby agree to take over control of the above mentioned NDEP SAD 2 permit and all its associated fees.

Thanks,

Larry Appel
CEO – Advanced Tek Systems
775-560-6171

BUILT FOR
A NEW
CENTURY

Access Code: 1002429872

INVOICE

Invoice #: FY 2016 - AP16293558

Invoice Date: 05/19/2015

TO:
Q & D CONSTRUCTION, INC.
CLASS 2 SAD
GREENV FACILITY - WESTERN NEVADA RAIL PARK
1050 SOUTH 21ST STREET
SPARKS, NV 89431

FROM:
Nevada Division of Environmental Protection
Bureau of Air Pollution Control
901 S. Stewart St, Suite 4001
Carson City, Nevada 89701

Source Maint. Fee ($): $510.00

Pay This Amount ==> **Total Fee:** **$510.00**

Payments to the State of Nevada for $10,000 or more must be paid electronically. Governmental entites are exempt. To ensure electronic fee payments, NDEP will accept E-Check payments through our secure website http://www.ndep.nv.gov/epayments. Manual checks are acceptable for amounts less than$10,000.

Please make checks payable to "Nevada State Treasurer, Environmental Protection" and include the above invoice # on your remittance.

Payment of fee is due not later than July 1 as required in NAC 445B.327. An additional 25% late penalty will be assessed for all annual fees not paid within 30 days of the due date. A detailed invoice which includes production and emission factors is available upon written request.

NEVADA DIVISION OF
ENVIRONMENTAL PROTECTION

STATE OF NEVADA
Department of Conservation & Natural Resources
Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

May 22, 2015

Dear Permit Holder:

Enclosed is your company's annual air quality invoice for fiscal year (FY) 2016 (July 1, 2015 through June 30, 2016). Minor source Air Quality Operating Permit (AQOP) maintenance fees have been determined based upon the provisions established in the Nevada Administrative Code (NAC) 445B.327 "Fees; late penalty".

For Class 2-Stationary sources, the AQOP maintenance fee is based upon your facility's potential to emit (PTE) for any single regulated air pollutant excluding Carbon Monoxide and Greenhouse gas emissions as defined in your facility's current AQOP. The Class 2-Stationary source maintenance fee tiers are as follows:

- PTE greater than or equal to 80 tpy but less than 100 tpy — $5,100
- PTE greater than or equal to 50 tpy but less than 80 tpy — $3,060
- PTE greater than or equal to 25 tpy but less than 50 tpy — $1,020
- PTE less than 25 tpy — $ 510

For Surface Area Disturbance (SAD) sources, the AQOP maintenance fee is based on the amount of acreage regulated in your permit. The SAD maintenance fee tiers are as follows:

- 500 acres and above — $5,100
- 200-499.9 acres — $2,040
- 100-199.9 acres — $1,020
- 50-99.9 acres — $ 765
- 20-49.9 acres — $ 510
- 5-19.9 acres — $ 255

For Class 2-General, Class 3, and Class 4 sources, the AQOP maintenance fee is based on the type of permit issued to your facility. Class 2-General, Class 3, and Class 4 source maintenance fees for FY2016 are $510, $255, and $51 respectively.

Pursuant to NAC445B.327.10(a)(b) and NAC445B.3689(2)(b)(2), the NDEP is required to increase the annual air quality operating permit maintenance fee and annual emissions fee, and the mercury program annual thermal unit maintenance fee, by 2% annually. The NDEP has the discretionary authority to suspend this rate adjustment, and has done so for the past five fiscal years. However, while agency revenue has remained flat, federal regulatory demands have expanded over this same time period. Therefore, for FY2016, the 2% fee increase remains intact and cannot be deferred.

Please examine your invoice(s) carefully. Payment is due no later than July 1, 2015. An additional 25% administrative penalty (past-due fee) will be assessed for all annual fees not paid within 30 days of the due date. Payments to the State for $10,000 or more must be paid electronically. Governmental entities are exempt. To enable electronic fee payments, the NDEP will accept E-check payments of any amount through our secure website www.ndep.nv.gov/epayments. Please make your payment payable to the "Nevada State Treasurer, Environmental Protection" and include the full invoice # on your remittance. If not using the epayment site, please deliver payment to the NDEP at the address listed in the upper right

Operating Permit Application Packet for

Administrative Amendment

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

Prepared by
Division of Environmental Protection
Bureau of Air Pollution Control
Class II Permitting Branch
June 2003

State of Nevada
Division of Environmental Protection
Bureau of Air Pollution Control

APPLICATION FOR AIR QUALITY OPERATING PERMIT ADMINISTRATIVE AMENDMENT

Please return to: Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Class II Permitting Branch
901 South Stewart Street Suite 4001
Carson City, Nevada 89701-5249
(775) 687-9350 FAX (775) 687-6396

General Information

- This application is available from the Bureau of Air Pollution Control in a Microsoft Word file, or on the internet at http://www.ndep.nv.gov/bapc. All information required in the application may be computer generated and submitted to the Bureau on 3-1/2" disk(s) or CD(s). In addition, one printed copy must be submitted.
- All information required by the "General Company Information" must be completed.
- The application filing fee required by NAC 445B.327 must be submitted with the completed application. The fee for an Administrative Amendment is $200. Checks must be made payable to: Nevada State Treasurer, Environmental Protection.
- This application packet shall be used for an Administrative Amendment only. If other activities that have the potential to impact air quality are planned, other permits may be required.
- An application for an Administrative Amendment must be signed by a responsible official, as defined in NAC 445B.156.
- All items in the application must be addressed. If an item does not apply "N/A" or similar notation must be entered in the appropriate blank. All other information must be provided. Incomplete applications will be returned to the responsible official within 10 working days of receipt of the application packet.
- Assistance in completing the application is available from the Business Environmental Program, University of Nevada, Reno, at (775) 689-6678 or (800) 882-3233 (toll-free).

Application for Administrative Amendment

ndep

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

protecting the future for generations

GENERAL COMPANY INFORMATION

All applicants shall complete each item or explain in the space provided why no information is needed. Please specify "N/A" (Not Applicable) if necessary. The application will be returned to the applicant if it is deemed incomplete.

1. **COMPANY NAME AND ADDRESS THAT ARE TO APPEAR ON THE OPERATING PERMIT** [NAC 445B.295.1]:

ADVANCED TEK SYSTEMS
(Name)

18 TURTLE CREEK CT, SUITE 102
(Address)

O'FALLON (City) | IL (State) | 62269 (Zip Code)

2. Owner's Name and Address [NAC 445B.295.1]:

GLOBAL WASTE ENERGY CONSERVATION COMPANY
(Name)

601 PENNSYLVANIA AVE.
(Address)

WASHINGTON DC (City) | — (State) | 20014 (Zip Code)

3. Source Name and Mailing Address, if different from #1 [NAC 445B.295.1]:

SAME AS #1 ABOVE
(Name)

(Address)

(City) | (State) | (Zip Code)

4. Plant Manager or Other Appropriate Contact [NAC 445B.295.1]:

LARRY APPEL (Name) | CHIEF EXECUTIVE OFFICER (Title)

18 TURTLE CREEK CT, SUITE 102
(Address)

O'FALLON (City) | IL (State) | 62269 (Zip Code)

775-560-6171 (Telephone #) | — (FAX #) | LARRY@ADVANCEDTEKSYSTEMS.COM (E-mail address)

GENERAL COMPANY INFORMATION (CONTINUED)

5. Responsible Official Name, Title and Address [NAC 445B.295.1]:

LARRY APPEL (Name) — CHIEF EXECUTIVE OFFICER (Title)

18 TURTLE CREEK CT, SUITE 102 (Address)

O'FALLON (City) — IL (State) — 62269 (Zip Code)

775-560-6171 (Telephone #) — — (FAX #) — LARRY@ADVANCEDTEKSYSTEMS.COM (E-mail address)

6. If records required under the operating permit will be kept at a location other than the source, specify that location [NAC 445B.295.7].

Q&D CONSTRUCTION, INC. (Name)

1050 S. 21ST STREET (Address)

SPARKS (City) — NV (State) — 89431 (Zip Code)

7. Typographical Errors
Please provide/attach a complete description of each topographical error and its location within the operating permit.
Example: Section V.A.1 - Air Pollution Eqiuipment - should be corrected to read Air Pollution Equipment.

8. Change of Name, Address, and/or Telephone Number
Please provide a complete description of the requested change of name, address, or telephone number to be amended in the operating permit.

ADVANCED TEK SYSTEMS (Name)

18 TURTLE CREEK CT, SUITE 102 (Address)

O'FALLON (City) — IL (State) — 62269 (Zip Code)

775-560-6171 (Telephone #) — — (FAX #) — LARRY@ADVANCEDTEKSYSTEMS.COM (E-mail address)

9. Minor Administrative Change (similar to a change in the name, address, or telephone number)
Please provide/attach a complete description of the requested change and its location within the operating permit.

THE PERMITEE OF THIS PERMIT IS TO CHANGE FROM Q&D CONSTRUCTION, INC. TO ADVANCED TEK SYSTEMS (LARRY APPEL 775-560-6171).

10. Require to require more frequent monitoring or reporting
Please provide/attach a complete description of the requested change in the frequency of monitoring or reporting and its location within the operating permit.

—

GENERAL COMPANY INFORMATION (CONTINUED)

11. Request to add serial numbers
Please provide/attached a complete description of the requested change in serial number(s) and its location within the operating permit.

12. Request for change in ownership
Please attach a written agreement specifying the date of transfer of responsibility for the operating permit, and an agreement between the current and the new holder of the operating permit regarding insurance coverage and liability.

APPLICATION CERTIFICATION

The responsible official must sign and date the application certification. ***If the application is signed by a person other than the responsible official, as defined in NAC 445B.156, the application will be returned as incomplete.***

Note: According to NAC 445B.156, **Responsible Official** means:

1. For a corporation:
   (a) A president;
   (b) A vice president in charge of a principal business function;
   (c) A secretary;
   (d) A treasurer; or
   (e) An authorized representative of such a person who is responsible for the overall operation of the facility and who is designated in writing by the officer of the corporation and approved in advance by the director.
2. For a partnership or sole proprietorship: a general partner or the proprietor, respectively.
3. For a municipality or a state, federal or other public agency: a ranking elected official or a principal executive officer, including, for a federal agency, a chief executive officer who has responsibility for the overall operations of a principal geographic unit of the agency.
4. For an affected source: the designated representative or his alternate, as defined in 42 U.S. C. § 7651 a (26).

PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:

A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297.1(b)].

B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297.1(c)].

C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense (NRS 445B.470).

CERTIFICATION: I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this application are true, accurate and complete.

_____
Signature of Responsible Official

LARRY APPEL - CHIEF EXECUTIVE OFFICER
Print or Type Name **and** Title

_____
Date

BASIS OF BEARINGS

THE BASIS OF BEARING IS THE NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE (NAD83/94) OBTAINED BY GPS OBSERVATIONS AND THE CITY OF FERNLEY BASE STATION. A COMBINED SCALE FACTOR OF 1.000258896 WAS USED TO MODIFY THE NEVADA STATE PLANE GRID VALUES. ALL COORDINATES SHOWN HEREON ARE GROUND VALUES.

BASIS OF ELEVATION

THE BASIS OF ELEVATION FOR THIS SURVEY IS BASED ON A USGS MONUMENT AT THE SOUTHEAST CORNER OF THE SITE, HAVING A PUBLISHED ELEVATION OF 4130.64

DETENTION POND 100 YEAR VOLUMES:

100 YEAR VOLUME PROVIDED: 13,680 C.F.
100 YEAR VOLUME PROVIDED: 24,528 C.F.

NOTES:

A SOILS REPORT HAS BEEN PREPARED THROUGH A PROGRAM OF SUBSURFACE INVESTIGATION FOR GREENU COMMODITIES BY PEZONELLO AND ASSOCIATES, INC DATED JUNE 2014. PLEASE RERER TO THIS DOCUMENT FOR SPECIFICATIONS REGARDING PLACEMENT OF STRUCTURAL FILL AND OTHER SITE GRADING ISSUES.

THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY	
ENGINEER OF RECORD	DATE

NOTES:

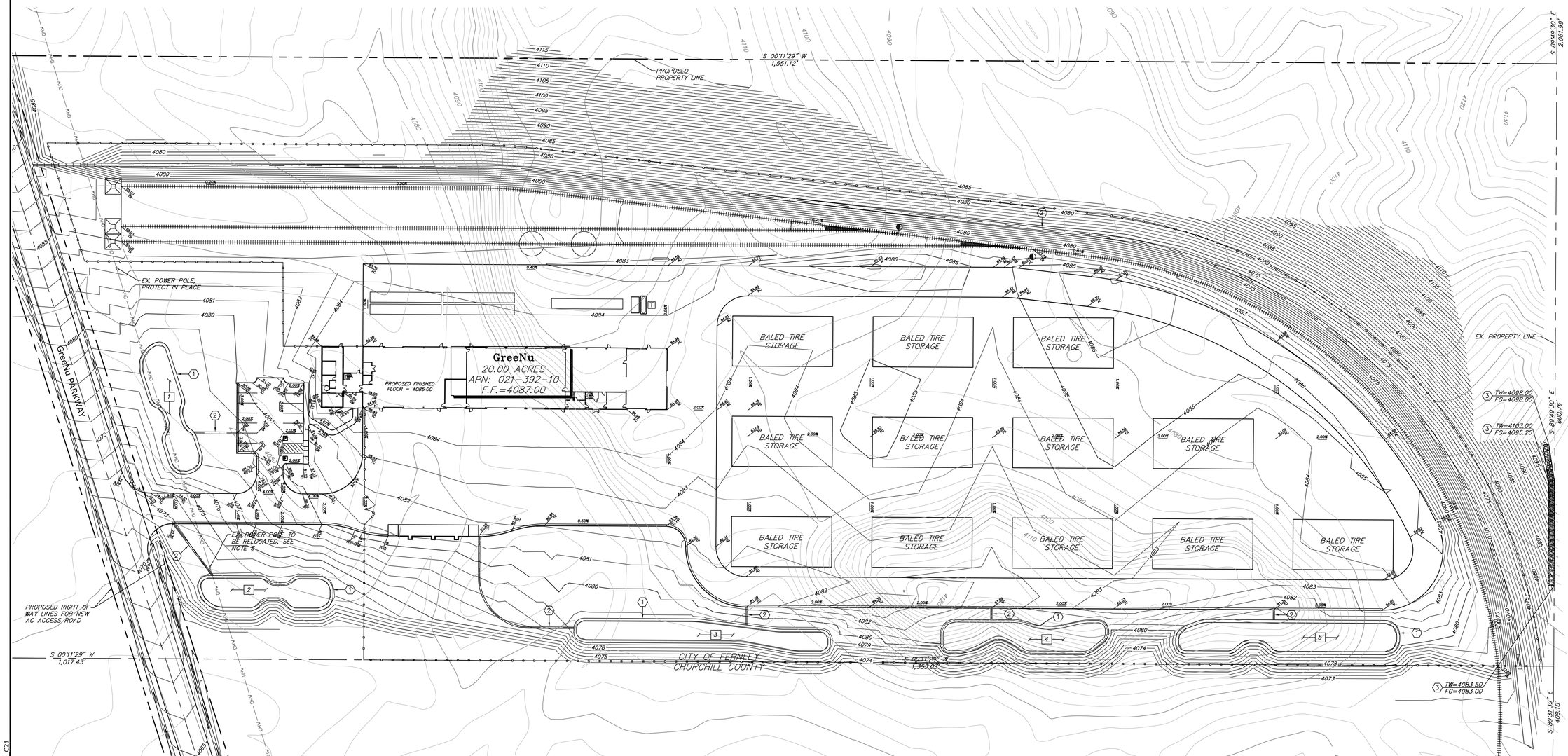
1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 4000 TO ALL FINISHED GRADE OR INVERT ELEVATIONS

CONSTRUCTION NOTES:

1. CONSTRUCT LANDSCAPE DETENTION POND AS PER DETAIL 6, SHEET C6.2
2. CONSTRUCT RIP RAP LINED DRAINAGE CHANNEL AS PER DETAIL 7, SHEET C6.2
3. CONSTRUCT ROCKERY RETAINING WALL, SEE DETAIL 8, SHEET C6.2 FOR REFERENCE ONLY. OVERALL DESIGN BY OTHERS.

BASIN CHARACTERISTIC SUMMARY

BASIN	TOP OF BASIN ELEVATION	BOTTOM OF BASIN ELEVATION	TOTAL BASIN VOLUME PROVIDED (CF)
1	4078.00	4077.00	4,025
2	4072.75	4071.75	4,025
3	4078.75	4077.75	5,235
4	4081.25	4080.25	4,621
5	4081.00	4080.00	6,622



1"=50'-0" GREENU SITE DESIGN 13010 C21

2 DAYS BEFORE YOU DIG CALL USA TOLL FREE 1-800-227-2600

GRADING PLAN

SCALE: 1" = 50'-0"

COPYRIGHT: All drawings herein are the property of Tectonics Design Group and may not be reproduced or used in any capacity without the written authorization of Tectonics Design Group.

DRAWN: N.D.J.
DESIGNED: M.K.R.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: PROFESSIONAL ENGINEER - STATE OF NEVADA - MATTHEW RASMUSSEN - Exp. 12-31-15 - CIVIL - No. 16258 - 10-7-14

DESIGNER:

TECTONICS DESIGN GROUP
10451 Double R Boulevard
Reno, NV 89521 www.tdg-inc.net
tel 775-824-9988
fax 775-824-9986

PROJECT/CLIENT:
#: 13010
GreeNu Site Design
Fernley, Nevada
GreeNu Commodities LLC
Tacoma, Washington

SUBMITTAL RECORD:

DATE:	SUBMITTAL
6/3/14	NDEP PERMIT
9/25/14	PROGRESS SET
10/7/14	PERMIT SET

SHEET TITLE: GRADING PLAN

SHEET: C3.1

Building Division
Single Family Dwelling Inspection Card

BUILDING FINAL SHALL BE THE LAST SIGNATURE AFTER ALL OTHER REQUIRED DEPARTMENTS SIGN OFF

Bill Keever **Acting Building Official**

24 Hour Inspection Line: (775) 784-9829

All inspection requests must be received before 7:00 AM the day of the inspection.

Owner Name: Western Nevada Rail Park LLC

Contractors:

CITY OF FERNLEY BUSINESS LICENSE #: Q & D CONSTRUCTION
1050 S. 21st St.
Sparks, NV 89431
775-221-1115

License: BL02-1806
Expires: 02/28/2015
Bus. License: BL02-1806
Expiration: 02/28/2015

Date Issued: 10-29-14

Building Permit Number: GR2015-001

Date Expired: 10-29-15

Address: 4289 Bitteroot Rd

Project: GreeNu

APN: 021-392-10

INSPECTIONS APPROVED	BY	DATE
PLACEMENT AND COMPACTION OF		
PLACEMENT OF ALL RIP RAP FOR		
PLACEMENT OF ALL BROADCAST AND		

INSPECTIONS APPROVED	BY	DATE
POST-STRIPPING OF NATIVE FOR ALL		
OVER-EXCAVATION-RAILROAD TRACKS		
OVER-EXCAVATION-ROADWAYS		

APPROVED PLANS, PERMIT, AND INSPECTION CARD MUST BE MADE AVAILABLE FOR INSPECTOR USE DURING INSPECTIONS.

Permits issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. A minimum of one inspection approval must be obtained as evidence that work was commenced or that work has continued. Request for extensions shall be requested in writing prior to the permit's expiration and justifiable cause demonstrated. The determination as to whether work was suspended shall be based on the most recent inspection approval date.

***No Building shall be occupied without a Certificate of Occupancy issued by the City**

City of Fernley

595 SILVER LACE BLVD.
FERNLEY, NV 89408
(775)-784-9810

GR2015-001

GRADING

PROJECT NAME: GreeNu

SITE ADDRESS: 4289 Bitteroot Rd

ISSUED: 10/29/2014

EXPIRES: 04/27/2015

APPLICANT: Advanced Tek Systems, Inc.
1050 S. 21st Street SPARKS, NV 89431
253-219-9507

Approval Date:

PARCEL:

Parcel: 021-392-10

Parcel Owner: Western Nevada Rail Park LLC

Site Address: 4289 Bitteroot Rd Reno, Nv 89509

Owner Address: 4289 Bitteroot Rd RENO, NV 89509

OWNERS: Western Nevada Rail Park LLC
4289 Bitteroot Rd RENO, NV 89509

CONTRACTORS:

FEES AND RECEIPTS:

Fee Code	Description	Paid	Due
PERMIT FEE	Permit Fee	$1,218.67	$0.00
PLAN CHECK FEE	Plan Check Fee	$378.53	$0.00
		Total Fees Due:	**$0.00**

Receipt Number	Amount
BU14-00220	$1,597.20
Total Receipts:	$1,597.20

Description:

Structure Use:

Purpose:

Construction Value:

Floor Areas:		**Setbacks:**	
Living Space:		**Front:**	
Basement/Storage:		**Rear:**	
Garage:		**Other:**	
Decks:		**Left:**	
Porches:		**Right:**	
Other:			
Total Area:			

Structure Area: **Site Area:** **Percentage of Site:**

Other Fields:

Conditions:

* Broadcast and Harrow, native seed mix common to the area, all 3:1 cut slopes on west side of property with an application rate of at least 30 lbs/acre. Harrow of seed mix shall be accomplished by shallow scarification of slope and lightly burying seed mix. Seed mix shall be approved by the City of Fernley.
* Applicant shall coordinate with City prior to construction for coordination of inspection, testing, verification and quality assurance program (QAP) in accordance with Chapter 12 – Inspection, Testing, Verification, and Quality Assurance Program of the City Design Standards. For this grading permit; implementation of the specifications referenced in the Pezonella Geotechnical Investigation and other specifications of the project must be monitored and reported.

Emailed
Owner/Representative Signature

10/29/14
Date

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

October 2, 2014

Q & D Construction, Inc.
Attn: Jeff Bean – Vice President
1050 South 21'st Street
Sparks, NV 89431

RE: Request for New Class II Air Quality Operating Permit, Surface Area Disturbance, AP1629-3558 (FIN # A1827)

Dear Mr. Bean:

The application submitted by Q & D Construction, Inc. for a new surface area disturbance operating permit for the Greenu Facility located at Section 29, Township 20 North, Range 26 East, in Lyon County has been reviewed by my staff under legal authority from Nevada Revised Statutes 445B.100 through 445B.640 and pursuant to Nevada Administrative Code 445B.001 through 445B.3689. Based on staff review and recommendation, I am hereby issuing Class II Air Quality Operating Permit AP1629-3558, with appropriate restrictions. Please note that Class II Air Quality Operating Permit AP1629-3558 must be posted conspicuously at or near the source.

Nevada Administrative Code 445B.22037 requires fugitive dust to be controlled, and requires an ongoing program, using best practical methods, to prevent particulate matter from becoming airborne. Q & D Construction, Inc. must implement all appropriate measures to limit controllable emissions from all construction activities which have the potential to adversely affect the local air quality. Appropriate measures for dust control may consist of a phased approach to acreage disturbance rather than disturbing the entire area all at once; using wet suppression through such application methods as water trucks or water spray systems to control wind blown dust; the application of soil binding agents or chemical surfactant to roadways and areas of disturbed soil; as well as the use of wind-break or wind-limiting fencing designed to limit wind erosion of soils.

Enclosed is your copy of Class II Air Quality Operating Permit AP1629-3558. In accordance with Nevada Revised Statute 445B.340, you may appeal the department's action of issuance of this operating permit within 10 days after you receive the permit. Appeals may be filed with the State Environmental Commission, 901 South Stewart Street, Suite 4001, Carson City, Nevada, 89701-5249, telephone: (775) 687-9374.

If you have any questions, please feel free to contact Rod Moore, at 775-687-9338.

Sincerely,

Ross Baker, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

RB/rm
Enclosures: Class II Air Quality Operating Permit, Surface Area Disturbance AP1629-3558
Certified Mail No. 9171 9690 0935 0012 6947 44

Nevada Department of Conservation and Natural Resources • Division of Environmental Protection

BUREAU OF AIR POLLUTION CONTROL

901 SOUTH STEWART STREET SUITE 4001
CARSON CITY, NEVADA 89701-5249
p: 775-687-9350 • www.ndep.nv.gov/bapc • f: 775-687-6396

***Facility ID No.* A1827** ***Permit No.* AP1629-3558**

CLASS II AIR QUALITY OPERATING PERMIT
SURFACE AREA DISTURBANCE

Issued to: Q & D CONSTRUCTION, INC. (HEREINAFTER REFERRED TO AS PERMITTEE)
Mailing Address: 1050 SOUTH 21'ST STREET; SPARKS, NV 89431
Driving Directions: 11000 US-50 EAST; HAZEN, NEVADA
General Facility Location: HAZEN, NEVADA; WESTERN NEVADA RAILPARK

SECTION 29, T 20N, R 26E, MDB&M
HA 101 – CARSON DESERT / LYON COUNTY
NORTH 4,382.14 KM, EAST 320.46 KM, UTM ZONE 11 (NAD 83)

Section I. General Conditions

A. Severability (Nevada Administrative Code (NAC) 445B.315.3(c))
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.

B. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470)
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
2. Fail to pay any fee;
3. Falsify any material statement, representation or certification in any notice or report; or
4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.

C. Prohibited Conduct: Concealment of Emissions (NAC 445B.225)
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

D. Compliance/Noncompliance (NAC 445B.315.3(d))
Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
2. Modifying, revoking, reopening and revising, or terminating the Operating Permit; or
3. Denial of an application for a renewal of the Operating Permit.

E. NAC 445B.315.3(e)
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.

F. NAC 445B.315.3(f)
The director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.

G. NAC 445B.315.3(g)
This Operating Permit does not convey any property rights or any exclusive privilege.

Issued to: Q & D CONSTRUCTION, INC.

Section I. General Conditions (continued)

H. NAC 445B.315.3(h)
Permittee shall provide the Bureau of Air Pollution Control, within a reasonable time, with any information that the Bureau of Air Pollution Control requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.

I. Fees (NAC 445B.315.3(i))
Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.

J. Right to Entry (NAC 445B.315.3(j))
Permittee shall allow the Bureau of Air Pollution Control staff, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
   a. The stationary source is located;
   b. Activity related to emissions is conducted; or
   c. Records are kept pursuant to the conditions of this Operating Permit;
2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit;
3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit; and
4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.

K. Certification (NAC 445B.315.3(k))
A responsible official of Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.

**********End of General Conditions**********

Issued to: Q & D CONSTRUCTION, INC.

Section II. General Monitoring and Recordkeeping Conditions

A. NAC 445B.315.2(h)
Permittee will submit yearly reports including, but not limited to, the status of the surface area disturbance. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for the surface area disturbance specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

**********End of General Monitoring and Recordkeeping Conditions**********

Issued to: Q & D CONSTRUCTION, INC.

Section III. Surface Area Disturbance Conditions

Surface area disturbance in excess of 20 acres – 26 acres for the Greenu Facility.

A. NAC 445B.22037
Fugitive Dust
1. No person may cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, no person may disturb or cover 5 acres or more of land or its topsoil until he has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
   a. Agricultural activities occurring on agricultural land; or
   b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

B. Dust Control Plan (NRS 445B.230.6)
Permittee may not cause or permit the construction, repair, or demolition work, or the use of unpaved or untreated areas without applying all such measures as may be required by the Director to prevent particulate matter from becoming airborne.

1. Permittee will control fugitive dust in accordance with the dust control plan as submitted on September 26, 2014.

Issued to: Q & D CONSTRUCTION, INC.

Section III. Surface Area Disturbance Conditions (continued)

C. Posting (NAC 445B.308.7)

1. Permittee shall install a sign constructed and labeled with materials capable of withstanding the strong winds, intense sunlight, and other conditions characteristic of Nevada's outdoors. The sign must be erected along the major street bordering the property, or at the main entrance to the site, within 50 feet of the border of the property. The sign must be clearly legible from the road and not be obstructed by signs, vehicles, vegetation, or any materials. The sign shall be replaced or repaired should it become damaged or difficult to read.
2. A sign that meets the following criteria will generally meet the requirements of subsection 1:
   a. Grade A/C plywood ¾" thick, a minimum of 4 feet by 4 feet in dimension;
   b. Two 4"x 4" posts with the base of the sign a minimum of 2 feet above ground level;
   c. A minimum of two (2) carriage bolts for each post to secure the plywood sign to the posts.
3. The front of the sign must be labeled with dark lettering on a contrasting background. The sign shall clearly identify the name of the project, the name of the person (permittee, operator, or contractor) responsible for dust control, and provide the telephone number of the person responsible for dust control (valid during daylight hours, seven days a week), the project's street address (or physical location), and the air quality operating permit number. The sign must remain posted for the life of the permit. A sign labeled in block letters or numerals at least 4" high, in lines spaced 3" apart, in accordance with the following layout will generally meet the requirements of this section:

Project Name - acreage
Name of person responsible for dust control
In case of dust complaints, please call: (Your Number) -OR- Nevada Division Of Environmental Protection: (775) 687-9349
Project street address
BAPC Permit AP1629-3558

**********End of Surface Area Disturbance Conditions**********

Issued to: Q & D CONSTRUCTION, INC.

Section IV. Amendments

N/A

This permit:

1. **Is non-transferable. (NAC 445B.287.3)**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5)**
3. **Carries a term of five (5) years beginning on the date of:** October 2, 2014 . **(NAC 445B.315)**
4. **A completed application for renewal of an operating permit must be submitted to the director on the form provided by him with the appropriate fee at least 70 calendar days before the expiration date of this operation permit. (NAC 445B.3473.2)**
5. **Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)**

THIS PERMIT EXPIRES ON: October 1, 2019

Signature:

Issued by: Ross Baker, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9530 Date: October 2, 2014

RB/rm
09/14

RECEIVED
OCT - 1 2014
D&D Construction

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA
Brian Sandoval, Governor
Department of Conservation & Natural Resources
Leo M. Drozdoff, P.E., Director
DIVISION OF ENVIRONMENTAL PROTECTION
Colleen Cripps, Ph.D., Administrator

Date: 9/29/2014

Mr. William Rose
Global Waste Energy Conversion Company
601 Pennsylvania Ave. NWSuite 900 S Building
Washington DC 20004

Dear Mr. William Rose
Re: Stormwater Construction Permit
Project ID Number: CSW--39991
Project Name: GreeNu Western Nevada Rail Park

Your submittal to be included under this General Permit has been approved effective 9/29/2014. For Stormwater Permits, please note that by submitting an NOI the permittee has certified that the project's Storm Water Pollution Prevention Plan (SWPPP) has been completed, that the SWPPP will be updated as necessary, and that it will be maintained at the permitted site.

At the time of any on-site inspections, our inspectors will ask to review your copy of the SWPPP in an effort to ensure proper compliance with the program.

Also note that Nevada Administrative Code (NAC) 445A.268 Section (5)(b) reads, in part, that a Permittee (discharger) who is covered under a general permit shall pay to the Director a nonrefundable fee of $200.00 not later than July 1 of each year that the discharger is covered under that permit.

To Terminate coverage of this Nevada General Permit, the Permittee must submit a Notice of Termination ("NOT") form when their facility no longer has any discharges associated with this Nevada General Permit or EPA regulations at 40 CFR 122.26, or when they are no longer the operator of the site.

Should you have any questions, please contact (775) 687-9492.

Sincerely,

Michele R. Reid, Staff II Associate Engineer

Bureau of Water Pollution Control
Nevada Division of Environmental Protection

CC: Mr. Jeff Bean 1050 S. 21st Street Sparks NV 89431

SPECIAL USE PERMIT

FOR

WESTERN NEVADA RAIL PARK

CITY OF FERNLEY, NEVADA

APN

021-392-10

Prepared for:

GreeNu Commodities LLC
917 Pacific Ave Suite 206
Tacoma, WA 98402
1-253-365-9333

Prepared by:

10451 Double R Blvd.
Reno, Nevada 89521

June 28, 2012
Job Number: 12104

TABLE OF CONTENTS

- CHURCHILL COUNTY MAJOR SPECIAL USE PERMIT APPLICATION Page 1
- PROPOSED PROJECT OVERVIEW Page 2
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APPENDICES

- VICINITY MAP
- PROPERTY TAX RECEIPT
- OWNER AFFIDAVIT
- DRAINAGE REPORT – (3 COPIES)
- GEOTECHNICAL REPORT – (2 COPIES)
- TRAFFIC REPORT – (3 COPIES)
- SEWER IMPACT REPORT – (2 COPIES)
- TITLE REPORT
- SITE PLAN – (FULL SIZE AND REDUCED, 2 COPIES EACH)
- BUILDING ELEVATIONS – (FULL SIZE AND REDUCED, 2 COPIES EACH)
- FLOOR PLAN – (FULL SIZE AND REDUCED, 2 COPIES EACH)

EXHIBITS

EX-A	WASTE TIRE MANAGEMENT PLAN
EX-B	PERMIT TO OPERATE FACILITY FOR MANAGEMENT OF WASTE TIRES
EX-C	EPA MARKETS FOR SCRAP TIRES
EX-D	CLEAN ENERGY INDUSTRY JOB MARKET REPORT
EX-E	EXISTING FACILITIES
EX-F	SITE REMEDIATION PLAN
EX-G	INFORMATION REGARDING NOISE/ODOR CONTROL
EX-H	NEW MEXICO ENVIRONMENT DEPARTMENT, GUIDANCE FOR USE OF SCRAP TIRES
EX-I	FEEDSTOCK PROCESS OVERVIEW
EX-J	AIR POLLUTION AND ODOR MODELING
EX-K	PROCESS AIR EMISSIONS
EX-L	FUEL MSDS SHEETS
EX-M	SIGMA REPORT

Proposed Project Overview

The GreeNu Commodities LLC Clean Technology Commodity Production Facility will house an approximately 40,000 sf. building, with an equipment footprint of approx. 6,000 sf. The facility will convert waste rubbers into three different commodities; Liquid Fuel, Carbon Black, and Steel. The facility will store the waste feedstock on site, in a baled form. This baled form of storage eliminates any storage hazards typically associated with waste rubber storage. The equipment used for commodity production is a "real-time" conversion system, meaning the stored waste feedstock will be continually processed, eliminating the need for long term storage using the "first in, first out" production method. The plant will operate 24 hours a day, 6 days a week. The waste feedstock is prepped during the day and swing shift to eliminate the need for graveyard prep, which is the only process that contains noise (despite the fact that each process is enclosed within the building, and little to no noise escapes the building). The commodity production will be shipped via rail car, via the rail spur equipped on the site. Feedstock accumulation will also be received via rail car. (See below for detailed schematic, diagrams, and further explanation)

Our project site is currently zoned M-1 while the City of Fernley has classified our use as “Soild Waste Disposal Site and Facility”. According to the City of Fernley Development code our use is allowed within our zoning designation but requires a special use permit

Various documents, plans, and resources are cited throughout this Special Use Permit application. These references are included because they provide pertinent data, information, and analysis related to the activities that will occur at the Clean Technology Commodity Production Facility. As applicable, this Special Use Permit document summarizes key points from these documents in a brief and generalized manner. For that reason, copies of the cited plans, reports, and/or studies are included as exhibits in the appendix of this report. The exhibits provide highly detailed information and analysis should City of Fernley have specific questions or concerns.

Project Location

The GreeNu Commodities LLC Clean Technology Commodity Production Facility will be located at the existing Western Nevada Rail Park. The site currently has an existing business for asphalt recycling and an existing railroad spur which will remain along with an existing well that will be utilized for the new project. See Exhibit 1, Vicinity Map.

Feedstock Specifications/Overview

Overview - Waste Rubbers that will be used for conversion come in the form of baled waste passenger, commercial, and industrial tires know as ‘ego-blocs’. The feedstock will be received via railcar pre-baled, meaning there will never be no loose tires stored on site. The proposed

project has tentative agreements with municipalities and companies with large amounts of loosely stockpiled tires that will be baled off-site and shipped, to supply the project with the necessary amount of feedstock for operation. Although these agreements are tentatively in place to supply the entire project with the annual amount of feedstock needed for production, there has been an expressed interest from the State of Nevada to help alleviate some of the problems within the state involving illegal dumping of waste tires. See Exhibit A[1], Waste Tire Management Plan. Ego-blocs are NOT considered 'hazardous waste'; moreover baled tires are considered a commodity and are used in many different commercial applications. See Exhibit H[2] for further information on uses for baled tires. The necessary permits for NDEP to 'import' and temporarily store the ego-bloc feedstock include obtaining a Waste Tire Management Facility Permit. The company has been in communication with NDEP about the proposed facility and will meet and/or exceed all regulations in place to operate the proposed facility. See Exhibit B[3] for storage permitting guidelines.

Potential Storage Hazards: Loose Tire Stockpiles vs. Bales - The US generates an enormous amount of commercial and passenger waste tires per year. The widely accepted formula for calculating the waste tire generation in the US suggests that for every person in the US there is one waste tire generated each year; meaning, the US generates approximately 300 million waste tires a year – See Exhibit C[4].

Waste tire generation contributes to waste tire stockpiles, which can pose certain public health risks and safety hazards. Typically the main concerns associated with waste tire stockpiles include breeding grounds for mosquitoes and other vermin that may potentially carry various different kinds of viruses that pose public health risks. Secondly, the fire hazards of loosely stockpiled waste tires due to the extreme high temperatures in which tires burn, if they were to ignite as well as the enormous amount of dangerous emissions that would be released if stockpiles were to ignite.

Although the Environmental Protection Agency (EPA) and Rubber Manufacturers Association (RMA) suggest that 80% of all waste tires generated per year are being used in alternative beneficial use programs, the numbers remain alarming. Nearly 50% of the waste tire reuse comes in the form of varying different kinds of 'tire-derived fuel'; which is a loose definition to describe shredded tires as a feedstock to fuel cement kilns, paper plants, and other heavy industrial industries through a process of incineration. Statistics show that industries' using this type of 'tire-derived fuel' is being significantly reduced. This can be attributed to several factors but are not limited to the following: (1) the amount of recoverable energy that is captured from the waste tires is so small that the economics simply do not make sense; (2) environmental regulations for stack emissions have been significantly reduced, thus causing the elimination of certain fuel sources, which include 'tire-derived fuel'.

[1] See Exhibit A – Waste Tire Management Plan, Department of Conversion and Natural Resources
[2] See Exhibit H – New Mexico Environment Department, Guidance for Use of Scrap Tires
[3] See Exhibit B – Permit to Operate Facility for Management of Waste Tires
[4] See Exhibit C – EPA Markets for Scrap Tires, p.15

In addition to standard waste generation problems, government policy and other external factors are contributing to the increased problem of waste tires as a mounting waste stream. Places that used to landfill tires are no longer land filling tires, mono fills that use to accept tires have run out of room and stockpiles are simply a liability. This is precisely the reason why scrap tire generation is considered a 'sustainable' waste stream.

Public health and hazard risk factors can be significantly reduced if not eliminated from stockpiled waste tires by simply storing them in a different manner. New equipment allows loosely stock piled tires to be compressed into what is called a bale or commonly referred to as "Ego-Blocs" which eliminates the breeding grounds for unwanted mosquitoes and other virus carrying vermin. Loosely piled waste tires allow an enormous amount of water to sit within the piled tires which is the direct cause for mosquito's breeding grounds. Due to the compression of the baled Ego-Blocs, this eliminates any standing water, thus eliminating the problem of harboring vermin breeding grounds.

The fire safety hazard risk for loosely stockpiled tires can also be significantly reduced by storing tires in baled Ego-Blocs. Simply put, the ego-bloc compression eliminates the oxygen within the bales, which in turn significantly reduces the chances of the stored bales to ignite.

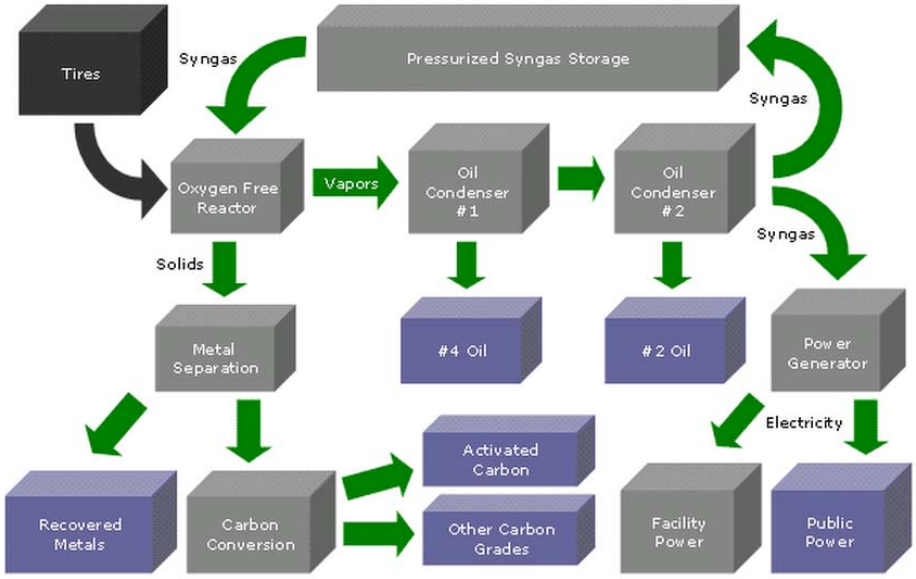
Feedstock Preparation for Conversion - There are multiple stages within the feedstock conversion process, one of which is the preparation of feedstock for conversion. The feedstock in the conversion process is waste rubber products in the form of baled waste passenger, commercial, and industrial tires. To prep the feedstock for conversion, the bales are moved using a forklift from temporary outside storage to inside the facility, where the bale is run through a one-pass shedding process that processes the bales into a 2'' minus shredded/chipped form. This form is referred to within the process as refuse derived fuel, hereafter know as RDF. This RDF is now ready to be augured into the conversion technology for conversion. This is the only process within the conversion that will contain any elevated amount of noise outside reasonable decibel levels. The way this process noise is contained within the building is through the construction of the advanced building system that will be built. See Exhibit G[5] for more information about the building material and how it relates to the noise portion of this process.

[5] See Exhibit G – Information Regarding Noise/Odor Control

Conversion Technology Overview

After the baled feedstock has been shredded into RDF (as previously stated) the material is this augured into the conversion technology for conversion to liquid diesel, steel, and carbon. Below is a general process diagram:

Conversion Process Diagram Overview

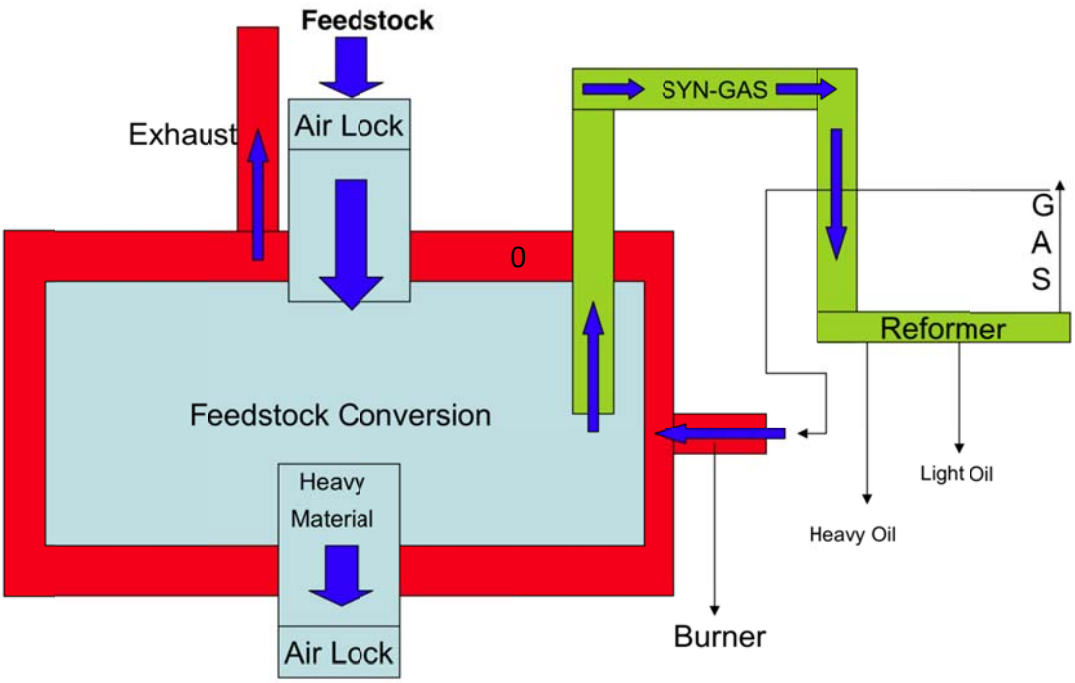


An additional Diagram has been provided below for addition understanding in the conversion process: The oxygen free reactor (below in the red) is the core unit used for conversion. The oxygen free reactor is also the only part of the technology that uses an indirect heat source to convert the shredded RDF. You may notice that the machinery uses its own fuel gas to heat the process. On the initial startup, for example every Monday morning, the equipment will need to be started. To start the machinery from an idle state, we use a small amount of natural gas. After the initial startup, the machinery uses its own fuel gas for the rest of the week's operations.

Below is a detailed diagram showing how the oxygen free reactor works in conjunction with the indirect heat source, where the flue emissions are released from the indirect heat source (flue

gas emissions in this process work identical to a gas operated hot water heater), and how the shredded RDF material travels through air locks, so the material never comes in contact with the heat source (because the oxygen free reactor is oxygen free, there is no burning involved).

Feedstock Process/Core Technology Diagram



Red represents the outer box which is heated by gas
Blue represents the feedstock input
Green represents the gas to be reformed.

The feedstock never touches the flame only flue gases exhaust externally
the unit is perpetually fired by the syn-gas created during reforming

This core technology, the conversion technology, is used for multiple different kinds of feedstock conversion. Below are pictures of two of operating facilities utilizing the exact core technology that will be used in the proposed facility:

Detailed ACTI Waste Rubber Gasification Process

Overview – GreeNu Commodities uses a conversion technology called pyrolysis. This process converts varying different kinds of waste feedstocks into varying different kinds of commodities; meaning, certain waste yields certain commodities. The technology provider and partner in the Nevada project have multiple systems operational and located around the globe, converting waste to commodities since 1998. Despite the varying different waste feedstocks for conversion, the underlying principle and technology remains the same.

Pyrolysis is defined as the degradation of carbon based materials through the use of an indirect, external source of heat, typically at temperatures of 750 to 1,650ºF, in the absence, or almost complete absence of free oxygen. This process thermally decomposes and releases the volatile portions of the organic materials, resulting in synthetic gases (syngas) composed primarily of hydrogen (H_2), carbon monoxide (CO), carbon dioxide (CO_2) and methane (CH_4). After the syngas is cleaned, it can be used in gas turbines, internal combustion engines or boilers to produce heat or generate electricity. Oil and char material that can be processed into activated carbon are also by products of this process. Pyrolysis is a viable thermal conversion technology and several companies around USA and Canada have developed such alternative thermal conversion facilities.

Japan, Germany and other European nations have considerable commercial experience with the pyrolysis technology. Some examples of large pyrolysis plants are listed below. The technology and equipment employed in these facilities is similar to the technology that will be used in the proposed Nevada facility. GWECC claims that its technology and design has additional advantages over the pyrolysis systems used in these facilities.

- A pyrolysis facility in Hamm, Germany is processing 100,000 tons per year (or 300 tons per day) of MSW and is operating satisfactorily since 2001.

- A pyrolysis facility in Burgau, Germany processing 30,000 tons per year (or approximately 100 tons per day) of MSW since 1982. Several pyrolysis facilities are operating in Japan, the largest being 330 tons per day in Chiba, Japan operating since 1999.

- Reklaim Facility in Boardman, Oregon, USA is processing approximately 2 million scrap tires annually (about 60 tons per day) utilizing tire pyrolysis technology since 2008.

- A 100 metric tons per day pyrolysis plant processing dry residual wood is operating in Renfrew, Ontario, Canada since 2005.

Technology Process - The ACTI Waste Rubber Gasification process is based on recovery of product fuel and carbon from scrap Waste Rubbers. In order to accomplish this, the Waste

Rubbers go through a transformation process by being exposed to heat in the absence of oxygen. Because this is a recovery oriented process, it provides for a complete mass/energy balance. What we recover as carbon and fuel is significant because it does not go to atmosphere as would typically occur in an incineration process.

During the Waste Rubber gasification process, the emissions generated are very similar to those produced from natural gas. The ACTI burners meet South Coast Air Quality Standards for California which are the most stringent in the US. It is, therefore, assumed they will meet Nevada State air quality standards.

The Waste Rubber Gasification process occurs as follows:

1. An in-feed system consisting of specially designed hoppers that receive (50mm nominal size) biomass. The hopper sits high and is connected to a double gate valve that serves as an airlock through a short auger.

2. Vacuum pumps are energized as soon as a pre-purge process is complete and a dampening system is utilized to keep retort pressure at a predetermined negative pressure at all times during the process.

3. Waste Rubber chips are supplied into a reaction chamber and are heated in the absence of oxygen. The reactor is a sealed chamber equipped with augers which circulate the

   Waste Rubber chips. The heating system consists of ACTI 'Super low NOX' burners that utilize the Waste Rubber derived gases (produced during the gasification process) as its primary fuel. The burners (sized according to the throughput rate of the system) having a maximum capacity of 2.0 MMBTU/hr input each, are operated to maintain an optimum temperature profile in order to volatize

   the Waste Rubbers under a constant negative pressure of -50 to -200 mm of water column in the absence of air.

4. As the temperature increases the Waste Rubber chips start to gasify at around 600˚F and continues on upward to approximately 1200˚F which is near the maximum temperature level of the system is operated. As Waste Rubbers contain sulfur, part of the operating strategy is to operate with a temperature profile (below the vaporization point of the sulfur) resulting in most of the sulfur going to the carbon.

5. As the gases move out of the gasification chamber they will travel through a cyclone separator in order to clean all micron or sub-micron particles. The vapor gas then moves to a venture separation system which is equipped with sets of oil injection nozzles designed to remove a certain percentage of unwanted heavy fractions. The nozzles spray perpendicular to the gas flow and the other sprays along the venturi contour line. High chain hydrocarbon gases condensing at higher temperatures adhere to the liquid oil particles and condense. Gases next go through the condenser/heat exchanger which drops the temperature at which point liquefaction occurs. The liquid fuel is stored in an intermediate tank from which it is sent to oil cleanup process. The oil processes into two cuts of fuel: one fuel (TDF-2) is equivalent to No. 2 diesel and the other fuel (TDF-4) is equivalent to No. 4 fuel. Non-condensable gases travel through yet another heat exchanger for the final separation of liquids and gasses.

6. The gas is introduced into a zinc oxide bed for desulphurization.

7. The left over gases are reintroduced into the system and used as fuel for the process.

8. No gases other than flue gas from the burners are released to the atomosphere. The gasification reaction chamber is equipped with automatic relief valves that are activated and release any excess gas to a thermal oxidizer should pressure build to unacceptable levels. An oxygen monitor controls this process. The furnace is designed such that no raw gas can be released to the atmosphere.

9. As the feedstock is volatized in this chamber, carbon is formed and the augers discharge the carbon into a sealed container. The discharge carbon auger is water cooled and sealed. The seals are designed to maintain functionality and not leak.

Because this is adumanic system, the augers move the feedstock all the time. This ensures complete gasification. The system does not have to be cooled down before discharging the carbon. However, the temperature of the carbon is reduced during transfer from 450˚C to < 200˚C. This prevents oxidation of the carbon.

Process Emissions - Flue Gas Emissions:

The only emissions created from the proposed facility come in the form of flue gas, which is the indirect heat source that is used to process the material/feedstock. This means that there are absolutely NO emissions from the conversion side of the process.

The total flue gas volume is from the combustion of a total of 6000000 MMBTU/hr burners. The flue gas volume can be listed as such:

Total Flue Gas Volume ……. 1300.00 SCFM
Flue Gas per Burner …….…… 433.33 SCFM
Particulate Emissions ……. <.03 lbs/MMBTU
NOx Emissions …….…… <50 PPM corrected to 3.0% O2
SO2 Emissions …….…… <15 PPM corrected to 3.0% O2
CO Emissions …….…… <100 PPM corrected to 3.0% O2
VOC …….. Trace

Odor control - This facility is NOT a refinery. The conversion process is 100% closed loop. Of the three commodities produced, the carbon and fuel do not entail any interaction with the outside environment. The fuels and carbons are pneumatically conveyed from the conversion technology into the proper temporary storage tanks, and thereafter are loaded onto rail cars using.

Facility Benefits: Job Creation:

The proposed facility contains benefits to the City and surrounding communities in many direct and indirect forms. Most importantly, the project will mitigate the need for illegal dumping of waste tires, which is an identified problem around the state. See exhibit A. Because the project provides a clean alternative to the existing methods of disposal and aligns with the existing efforts of the State, the proposed facility will also provide additional jobs to the City. City of Fernley will benefit directly from the added revenues that the project will provide via job creation, stimulated growth and development, and environmentally responsible waste management and commodity production practices. The proposed facility will also give the City an opportunity to leverage its vision of responsible growth and environmentally friendly development for future businesses and organizations, and would become the benchmark for commodity production, attracting businesses and organizations that want to take part of a truly "Green" revolution; a vision we anticipate will continue to be developed on the surrounding parcels.

The proposed project will create sufficient job opportunities, both directly and indirectly within the City.

A UC Berkeley report on "How Many Jobs Can the Clean Energy Industry Generate" suggests that within our given market, the proposed facility will generate an average of 2.84 jobs per 730,000 gallons of fuel produced. These figures take into account the construction, manufacturing and installation aspect as well as the operating and maintenance and fuel processing side of the proposed project. In addition, the numbers are projected over the life of

the facility. Proportionally, the project waste intake equates to approximately 13 direct jobs associated with the proposed project. The amount of jobs that we project for within the project is direct jobs is 10, but does not account for the indirect jobs created in output transportation, construction, brand enhancement, and attraction for new industry.

TABLE ES-1: Average employment for different energy technologies.

		Average Employment over Life of Facility		
Energy Technology	Source of Estimate	Construction, Manufacturing, Installation	O&M and Fuel Processing	**Total Employment**
Biomass	REPP, 2001	0.40	2.44	**2.84**
Coal	REPP, 2001	0.27	0.74	**1.01**
Gas	Kammen, from REPP, 2001; CALPIRG, 2003; BLS, 2004	0.25	0.70	**0.95**

[6]*UC Berkeley, Putting Renewables to Work: How many Jobs can the Clean Energy Industry Generate?, 2004*

Due to the nature of project variables, this diagram is used as an average. The proposed project expressed 10 direct jobs within project; offering 3 shifts, running 24 hours/day 7 days/week.

The job creation associated with this particular project includes two tiers of employees; operations and management.

From the operations aspect, the project will employ Conversion equipment operators, Carbon pneumatic oversight, quality control lab technicians, a janitor, feedstock prep laborers, and warehouseman.

From the management aspect, this proposed project will employ a feedstock manager, supporting office staff and a plant manager.

[6] See Exhibit D - *UC Berkeley, Putting Renewables to Work: How many Jobs can the Clean Energy Industry Generate?, 2004*

Within the operations portion of the operation, with the exception of the quality control lab technicians, worker education can vary from a high school degree to the highest academic accolades.

Indirectly, additional office space has been allotted for additional employment opportunities that may involve future expansion and/or development of the surrounding parcels. These jobs will exceed local pay scale, with profit sharing and medical plans. We anticipate on having the highest paid green energy jobs in the area.

Operations Training/Management:

The owner of the project is GreeNu Commdities LLC. The operator will be Global Waste Energy Conversion Company (GWECC), the technology partner. GWECC management and training program for the technology will train and certify all employees in accordance with local, state, and federal regulations for proper operation.

Pest Analysis

Political Impacts – Conducting clean energy projects within the US at this time provides for certain advantages, pending qualification that entices businesses, developers, and municipalities to implement waste-to-energy projects. If applicable, these advantages include the use of Investment Tax Credits (ITC), Production Tax Credits (PTC), and other governmental incentives that make alternative energy projects desirable investments. The proposed project DOES NOT need government incentives for sustained operation. Unlike other alternative energy projects within the industry, this project does not require tax incentives or other subsidies to sustain a profitable operation.

Other legislative acts/bills that may or may not affect other areas of the alternative energy sector do not affect the proposed project because of the nature of the proposed technology through its production history, compliance, etc.

Environmental Impacts – There are direct and indirect positive impacts on the environment given the proposed project. Direct impacts are obvious in that no more waste tires will be needed to be land filled or illegally dumped. The environmental impacts of not land filling or illegally dumping waste tires can be expressed in many ways, including the monetary savings for clean up, the additions of useable land that would otherwise be comprised, the harmful vermin and breeding grounds that will be eliminated, and the surrounding communities that will be converting waste to commodities in real-time rather than nature's fermentation time or other monofill conversion processes. Indirect sources of environmental impacts include liquid fuel production offsets which directly affect air emissions that may offset operating costs and be of benefit to City of Fernley.

Social Impacts – The social responsibility for surrounding communities and residents for living in a community that will no longer need to land fill or dump waste tires, without having to outsource or ship waste to other parts of the country is a social foundation for growth. Generating a positive environmental tax base and social well being will provide positive growth for the City and will establish the benchmark for surrounding municipalities regarding growth facilitation and waste conversion alternatives. The City will also be able to increase employment rates generating "green collar" jobs.

Economic Impacts - The economic impacts are positive in many aspects. The proposed project will provide a positive revenue stream from the increased tax base to the City through the conversion of waste. Aside from the direct positive revenue stream from production, the surrounding economy will benefit from the added jobs, positive community brand equity, and be more equipped to facilitate population growth if necessary, while still maintaining social responsibility.

Technology Impacts – Technology plays a pivotal role in the proposed project. GWECC technology and processes have been vetted by third party engineering firms and meet or exceed the worldwide standards for efficiency, production, and air quality. Because the technology lifecycle changes so rapidly, it is important to maintain high efficiency and production to continue to compete in today's marketplace. This particular project is relatively small in scheme of worldwide waste generation/conversion and liquid fuel production, but will have a positive impact on the surrounding communities. Any possible negative impacts of the technology itself are mitigated through the systems multiples setup, but are also covered under the GWECC risk management performance curve warranty that is underwritten by one of the largest risk management companies in the world.

Clean Investment Impacts – Clean technology investments warrant a unique opportunity to leverage positive global impact. The proposed project offers a technology conversion and infrastructure system that will eliminate the need to bury trash. This project can work as the foundation of opportunities to come.

Forward thinking communities around the United States are implementing waste-to-energy plants to facilitate growth from not only from an economic perspective (both direct revenue generation and indirect growth & development capabilities), but are investing in producing a positive global impact to attract new development. With the ever-increasing pressure from international and domestic regulatory compliance toward green house gases, global warming, and emissions, these communities are being sought to exhibit to the businesses, communities, and countries around the world the ability to express environmentally responsible, cost effective sustainability. These projects directly contribute to municipal projects investing in assets that aim to embrace longevity in future sustainable development.

Risk Factors

Risk factors associated with the proposed project can vary between direct and indirect risk factors. Generally, the GWECC alternative energy model provides the simple understanding that alternative energy risks are reduced through (1) Feedstock agreements and (2) Guaranteed output purchase. In the proposed project, the feedstock agreement takes the place of the collection of Baled Tires as the project feedstock. We theorize this through the widely accepted notion that one waste tire is generated per year per every person in the US. We also have tentative agreements for waste tire feedstock, pending permitting, that will supply the project with the necessary amount of feedstock every year. The guaranteed output purchase; the production of liquid fuel is assumed via off-take agreement, prior to project implementation. This arrangement has also been tentatively arranged with several companies looking for the commodities produced.

Internally, the project risk factors are consumed of merely the technology process itself. The technology comes with a manufacture 10 year warranty and training is provided for the newly created jobs that the proposed project offers. In addition to the manufactures warranty, GWECC includes a risk management performance curve warranty that is underwritten by one of the largest risk management companies in the world. The warranty program allows for not only the guarantee that the equipment will do what it says it will do, but also insures the performance curve of the amount of revenue produced.

External risk factors include the feedstock supply. Provided a constant feed stock supply for conversion is vital to the success of the project. If the feed stock supply is compromised in any way during the lifetime of the project, the equipment is versatile in that it can be calibrated to convert varying different kinds of waste streams, if there was a need to use a newly discovered feedstock supply.

The proposed project in general has associated risks just as any other project would have; unforeseen circumstances, global economic crisis, acts of God, etc. However, the project will be insured collaterally using the risk management performance curve warranty that is underwritten by one of the largest risk management companies in the world, to mitigate any potential unforeseen risks from operations.

Furthermore, it should noted that within the permitting process of the proposed facility, certain bonds are required from the State to cover any potential “Clean Up” necessary, should the project require closure for any reason. This is additional insurance to mitigate any potential negative impact to the surrounding community.

Common Questions and Concerns

It is recognized that the Clean Technology Commodity Production Facility (CTCPF) is a fairly unique use. As such, there are a variety of issues and concerns that commonly arise related to

the facility. In preparation for the Special Use Permit application, Tectonics Design Group and GreenNu Commodities made a proactive effort to solicit input and concerns from a variety of community "stakeholders" that are affected by the project, both directly and indirectly. This included meetings with City of Fernley staff, NDEP, etc.

It is not uncommon for many professionals, let alone the general public, to be unfamiliar with many of the terms and processes used in conjunction with the CTCPF. After all, the technology implemented with the project is cutting edge and ever evolving. Therefore, this section serves to address key concerns and questions raised during the due diligence phase of the project, as well as common questions associated with the industry in general.

A common question related to the plant operations relates to the origin of the materials recycled by the facility. In other words, where do the tires come from? The used tires recycled by the CTCPF come from a variety of sources. This includes municipalities and companies with large stockpiles of used tires, as well as "feedstock" from a variety of municipal agencies and private industry. Feedstock typically arrives in the form of Ego Blocs and is then processed at the CTCPF. The materials received at CTCPF come from a variety of locales. Based on preliminary discussions, it is anticipated that a portion of the materials processed at the CTCPF will be from Nevada-based businesses/agencies. Regardless of location of origin, the CTCPF will meet all Nevada Administrative Codes including, but not limited to 444.68525.

The process of pyrolysis will occur in the operations of the CTCPF. Pyrolysis is a term that is often foreign to those outside of the industry. Pyrolysis thermally decomposes the feedstock to a gaseous state. That gas is then transformed by weight to its designated commodity. This process takes place within a closed loop system. The excess syn-gas not turned in to commodity is used in the continual heating of the process. Any additional excess syn-gas will be used for internal power generation. This provides for an overall accountability rate of 99.9%.

As with any heavy industrial use, noise is always a concern. The CTCPF will meet all applicable State and City standards. In fact, the CTCPF will implement the more restrictive of the standards (State vs. City) in order to ensure compliance. This is accomplished in a variety of manners. For example, equipment shall not emit noise levels in excess of 65 dBA time weighted average (consistently), as measured from the property line at which the facility is located or one-half mile from the plant, whichever is closer.

Atmospheric emissions are another common concern associated with facilities such as the CTCPF. No feedstock matter will be released in to the atmosphere with the operational standards implemented at the CTCPF. The product is decomposed within an airtight chamber; the internal parts of the machinery are part of the closed loop system.

Along those same lines, the overall process will include four burners. These are the same burners that are used in commercial and municipal buildings to produce heat. There is only one

emission source and this emits fewer emissions than a modern-day automobile. The system is designed to meet or exceed the most stringent standards, including the Southern California Air Standards. We are currently working with the Nevada Division of Environmental Protection (NDEP) and will be securing a Class III air permit. This limits emissions individually or in a combination to a total of 5 tons or less per year (PM 10, NOX2, SO2, VOC, & H2S).

The CTCPF will reintroduce certain gases in to the system. These gases are the equivalent to natural gases, only created synthetically. Emissions of these gases are below NDEP standards and will meet Class III permit eligibility. Refer to Exhibits J and K in the attached appendix for further information and specifics.

The CTCPF is commonly mistaken as a refinery type facility. As a result, odor emission is of concern for many. The CTCPF is not a refinery. The facility does not resemble a refinery and will not be recycling oil products. All of the systems are closed loop. Therefore, no material touches a flame. Instead, it is decomposed in an enclosed airtight system. All commodity material will be pneumatically conveyed in sealed pipelines from production to storage, then from storage to rail. There is no sulfur odor associated with the process. Of course, any kind of use or process will produce odors. No use is ever entirely odorless. However, it can be stated with certainty that the CTCPF will not produce offensive odors. Additionally, any odor that is produced will be confined to the perimeter of the site. As part of the project due diligence, we have consulted with experts in the field on this matter. Attached in Exhibit J is the opinion of the world's foremost expert on our process and third party vetting. Dr. Jerry LeMieux has written a paper overview of the detection of sulfur dioxide in relationship to distance which is referenced in the expert's report. As it demonstrates, it would be impossible to detect any odor past 4,000 feet in the very worst case scenario from our plant. It is clear that no negative impacts are anticipated. GreenNu welcomes further analysis from City-selected experts should it be necessary.

Although other recycling facilities similar to the CTCPF are located within the United States, none are as technologically advanced. GreenNu does operate a solid waste to fuel plant in Los Angeles. An open invitation is extend to those who may wish to visits to our Los Angeles plant and/or any of the new plants that are being located throughout the country. All of these facilities are generally located within light or heavy industrial parks, similar to our site in City of Fernley. Naturally occurring outdoor environmental odors far exceed any odor that could be possible from the conversion of waste tires in a closed-loop system.

There are a variety of diagrams and exhibits contained within this report which can be somewhat daunting for the lay person. As a point of clarification, there are no waste products to dispose of as a result of the operations at the CTCPF. Instead, GreenNu will be producing valuable commodities. The City of Fernley plant will be producing tire derived fuel # 2 and 4, carbon black (used in water filtration systems), and steel (which is recycled). Energy will also be produced by the processes occurring at the CTCPF. This "excess energy" is consumed by the

facility and has the potential to serve other users within the rail park. There are no plans to sell energy back to the public grid.

There is much discussion throughout this report as to our "closed-loop" system. As a result, it can be confusing when we state that there is a single point of emission. To clarify, no feedstock touches a flame. Only the external component of the system is heated (refer to diagram). The syn-gas that is generated is consumed by the system. This gas is purer than natural gas, and only flue gas is emitted. A simple way to explain this is to imagine this like a gas hot water heater; nothing touches the water, only the external tank.

The location of the CTCPF within a rail park is ideal. This allows for all fuel and carbon material to be pneumatically conveyed in sealed pipelines from production to storage, and then from storage to rail. Essentially, an intermediate step is eliminated. This greatly enhances efficiency and safety. Storage tanks are part of the overall recycling process and will be located onsite. These tanks are permitted by NDEP and will follow all NDEP guidelines for the containment of fuel as well as any other commodities. The liquid is similar to # 2 and # 4 diesel fuel. Of course, all tanks follow OSHA guidelines. Fuel will be transferred by rail schedule, typically once or twice per week.

GreenNu is planning on utilizing the 83.30 acres within the Western Nevada Rail Park for the CTCPF facility. Final purchase of the project site will occur once the necessary entitlements and permits are secured. GreenNu also has the option to purchase the surrounding property should this process advance and expansion is ever sought. Of course, any expansion is subject to the same standards and public review process as this Special Use Permit request.

TECTONICS DESIGN GROUP

June 26, 2012

Fernley Community Development Department
595 Silver Lace Blvd.
Fernley, NV 89408

RE: Western Nevada Rail Park
City of Fernley Special Use Permit Findings

Dear City of Fernley Community Development:

Our client, GreeNu Commodities LLC, is proposing a new Clean Technology Commodity Production Facility which will house an approximately 40,000 sf. building, with an equipment footprint of approx. 6,000 sf. The facility will convert waste rubbers into three different commodities; Liquid Fuel, Carbon Black, and Steel. The facility will store the waste feedstock on site, in a baled form. This baled form of storage eliminates storage hazards typically associated with waste rubber storage. The equipment used for commodity production is a "real-time" conversion system, meaning the stored waste feedstock will be continually processed, eliminating the need for long term storage using the "first in, first out" production method. The plant will operate 24 hours a day, 6 days a week. The waste feedstock is prepped during the day and swing shift to eliminate the need for graveyard prep, which is the only process that contains noise (despite the fact that each process is enclosed within the building, and little to no noise escapes the building. The commodity production will be shipped via rail car, via the rail spur equipped on the site. Feedstock accumulation will also be received via rail car.

The following findings for our Special Use Permit Application are in accordance with Section 21.060 of the City of Fernley Code.

A. The proposed use at the specified location is consistent with the applicable zoning district;
Response: The proposed site is currently zone Industrial with an existing asphalt transfer business operating within the parcel. Our proposed site will be located just west of this existing business and utilize the same railroad spurs. Overall our use fits within the Industrial zoned area and is compatible with the surrounding land uses.

B. The proposed use is compatible with and preserves the character and integrity of adjacent development and neighborhoods and includes improvements or modifications either on-site or within the public rights-of-way to mitigate development related adverse impacts, such as traffic, noise, odors, visual nuisances, or other similar adverse effects to adjacent development and neighborhoods. These improvements or modifications may include, but shall not be limited to the placement or orientation of buildings and entryways, parking areas, buffer yards, and the addition of landscaping, walls, or both, to mitigate such impacts;
Response: The proposed development is compatible and preserves the character and integrity of the adjacent developments and neighborhoods. The property is located within an Industrial zoned area and the use of manufacturing falls within the general land use per City of Fernley code. The site is located 50' lower than the adjacent highway which cuts down on the visual nuisance of the development on the adjacent properties. The projects noise is limited to the inside of the building and any lights required will be "cut off" lights pointed to the ground eliminating light leaving the site. In all, the project has been designed to enhance the property for the better of the community.

C. The proposed use incorporates roadway improvements, traffic control devices or mechanisms, or access restrictions to control traffic flow or divert traffic as needed to reduce or eliminate development impacts on surrounding neighborhood streets;
Response: A majority of the feedstock required for the commodity production will be shipped to the site via the rail spur; this is also the case for the shipping of the final product. NDOT recently

constructed improvements to the site access approach thus no additional work is required at this time for our site access. Traffic impacts will be limited to employees accessing the site and the occasional semi-trailer delivering feedstock or hauling commodity off site.

D. The proposed use incorporates features to minimize adverse effects, including visual impacts and noise, of the proposed special use on adjacent properties;
Response: The site is located 50' lower than the adjacent highway which cuts down on the visual nuisance of the development on the adjacent properties. The projects noise is limited to the inside of the building and any lights required will be "cut off" lights pointed to the ground eliminating light leaving the site. In all, the project has been designed to enhance the property for the better of the community.

E. The project is not located within an identified archeological/cultural study area, as recognized by the City. If the project is located in a study area, an archeological resource reconnaissance has been performed on the site by a qualified archeologist and any identified resources have been avoided or mitigated to the extent possible per the findings in the report;
Response: The project is not located within an identified archeological/cultural study area.

F. The proposed special use complies with all applicable development and public facility standards as required by this development code or other City ordinances; and
Response: The proposed building will comply with all the applicable development standards as required by the City of Fernley. The Special Use will meet all required development codes and standards set forth by the City of Fernley.

G. The proposed special use will not be materially detrimental to the public health, safety, convenience and welfare, and will not result in material damage or prejudice to other property in the vicinity.
Response: The Special Use will in no way adversely affect public health, safety, convenience and welfare or result in material damage to other properties in the vicinity.

Feel free to call with any questions. Thank you.

Sincerely,
Tectonics Design Group

Matthew K. Rasmussen, P.E., LEED AP

TECTONICS DESIGN GROUP

June 26, 2012

Fernley Community Development Department
595 Silver Lace Blvd.
Fernley, NV 89408

RE: Western Nevada Rail Park
City of Fernley Design Review Findings

Dear City of Fernley Community Development:

Our client, GreeNu Commodities LLC, is proposing a new Clean Technology Commodity Production Facility which will house an approximately 40,000 sf. building, with an equipment footprint of approx. 6,000 sf. The facility will convert waste rubbers into three different commodities; Liquid Fuel, Carbon Black, and Steel. The facility will store the waste feedstock on site, in a baled form. This baled form of storage eliminates storage hazards typically associated with waste rubber storage. The equipment used for commodity production is a "real-time" conversion system, meaning the stored waste feedstock will be continually processed, eliminating the need for long term storage using the "first in, first out" production method. The plant will operate 24 hours a day, 6 days a week. The waste feedstock is prepped during the day and swing shift to eliminate the need for graveyard prep, which is the only process that contains noise (despite the fact that each process is enclosed within the building, and little to no noise escapes the building. The commodity production will be shipped via rail car, via the rail spur equipped on the site. Feedstock accumulation will also be received via rail car.

The following findings for our Design Review Application are in accordance with Section 25.040 of the City of Fernley Code.

Findings:

A. The proposed development is consistent with the goals and policies embodied in the adopted master plan and the general purpose and intent of the applicable district regulations.
Response: The proposed development sits on a parcel of land which is currently zoned and master planned for the proposed use. The project has followed the goals and policies of the adopted master plan and those of the applicable district regulations.

B. The proposed development is compatible with and preserves the character and integrity of adjacent development and neighborhoods and includes improvements or modifications either on-site or within the public rights-of-way to mitigate development related adverse impacts, such as traffic, noise, odors, visual nuisances, or other similar adverse effects to include but shall not be limited to the placement or orientation of buildings and entryways, parking areas, buffer yards, landscaping, and walls.
Response: The proposed development is compatible and preserves the character and integrity of the adjacent developments and neighborhoods. The property is located within an Industrial zoned area and the use of manufacturing falls within the general land use per City of Fernley code. The site is located 50' lower than the adjacent highway which cuts down on the visual nuisance of the development on the adjacent properties. The projects noise is limited to the inside of the building and any lights required will be "cut off" lights pointed to the ground eliminating light leaving the site. In all, the project has been designed to enhance the property for the better of the community.

C. The proposed development incorporates roadway improvements, traffic control devices or mechanisms, or access restrictions to control traffic flow or divert traffic as needed to reduce or eliminate development impacts on surrounding streets.
Response: A majority of the feedstock required for the commodity production will be shipped to the site via the rail spur; this is also the case for the shipping of the final product. NDOT recently constructed

improvements to the site access approach thus no additional work is required at this time for our site access. Traffic impacts will be limited to employees accessing the site and the occasional semi-trailer delivering feedstock or hauling commodity off site.

D. The proposed development incorporates features to minimize adverse effects, including visual impacts, of the proposed development on adjacent properties.

Response: The site is located 50' lower than the adjacent highway which cuts down on the visual nuisance of the development on the adjacent properties. The projects noise is limited to the inside of the building and any lights required will be "cut off" lights pointed to the ground eliminating light leaving the site. In all, the project has been designed to enhance the property for the better of the community.

E. The proposed development complies with the requirements of this development code and other city ordinances.

Response: The proposed development will comply with all requirements of the City of Fernley Development Code and all other City of Fernley Ordinances.

Feel free to call with any questions. Thank you.

Sincerely,
Tectonics Design Group

Matthew K. Rasmussen, P.E., LEED AP