CONSTRUCTION DRAWINGS FOR

REVEILLE GAS WELL LEASE 1H & 2H WELLHEADS

CITY OF EULESS, TEXAS 136± ACRES

OWNER/OPERATOR:

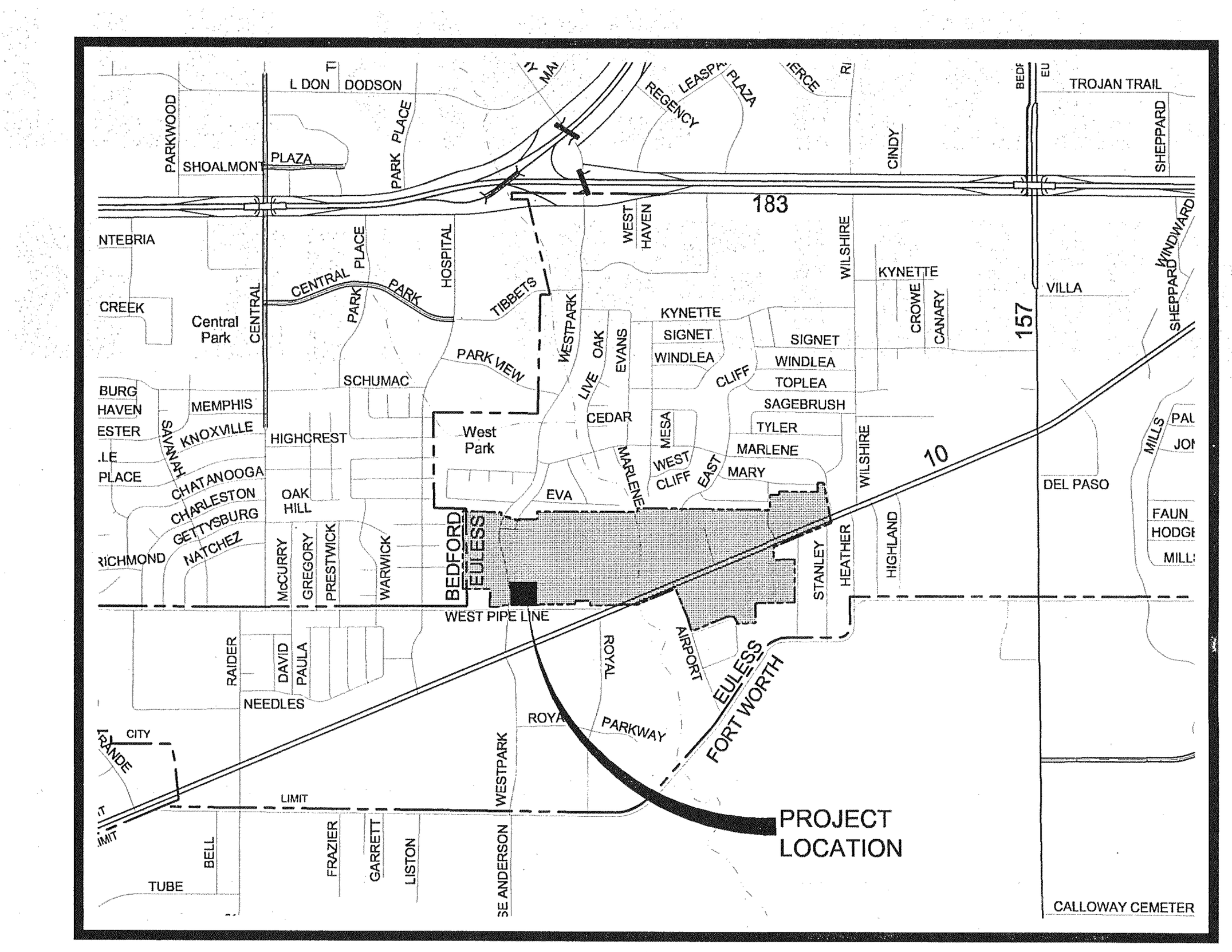
DAVID H. ARRINGTON OIL & GAS, INC.
6100 WESTERN PLACE
WEST TOWER SUITE 800
FORT WORTH, TX 76107
CONTACT: S. KEITH FRANK
PHONE: (817) 732-2323
FAX: (817) 732-0023
EMAIL: KEITH.FRANK@ARRINGTONOIL.COM

CIVIL ENGINEER:

ADAMS ENGINEERING
910 S. KIMBALL AVE.
SOUTHLAKE, TEXAS 76092
CONTACT: HEATH VOYLES
PHONE: (817) 328-3200
FAX: (817) 329-328-3299
EMAIL: HEATH.VOYLES@ADAMS-ENGINEERING.COM

SURVEYOR:

MARSHALL LANCASTER & ASSOCIATES, INC.
1864 NORTH NORWOOD DRIVE, SUITE E
HURST, TEXAS 76054
CONTACT: MARSHALL LANCASTER
PHONE: (817) 268-8000
FAX: (817) 282-2231
EMAIL: ML@MLA-SURVEY.COM



VICINITY MAP
SCALE: NTS

SHEET LIST TABLE

Sheet Number	Sheet Title
C1.0	COVER SHEET
C1.1	TOPOGRAPHIC SURVEY
C2.0	SITE PLAN
C3.0	TRANSPORTATION ROUTE
C4.0	RIG LAYOUT
C5.0	PRODUCTION LAYOUT
C6.0	SITE RADIUS SURVEY
C7.0	GRADING
C8.0	SWPPP
C9.0	EROSION CONTROL DETAILS
C9.1	PAVING DETAILS
C9.2	FENCE DETAILS

BENCHMARK

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE TEXAS STATE PLANE COORDINATE SYSTEM BASED ON CITY OF EULESS GPS CONTROL MONUMENTS.

SOURCE BENCHMARK: CITY OF EULESS CONTROL MONUMENT NO. E04, DESCRIBED AS A 3-1/4 INCH DOMED BRASS DISK SET IN TOP OF A CONCRETE INLET AND WITNESSED BY AN ORANGE FIBERGLASS STAKE.
ELEVATION: 562.86'

SITE BENCHMARK NO. 1: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 530.89'

SITE BENCHMARK NO. 2: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 528.69'

**** NOTICE TO CONTRACTORS - TOPOGRAPHIC SURVEY ****

Topographic information taken from a Topographic Survey performed by MARSHALL LANCASTER & ASSOCIATES, INC. dated 09/03/2009. The Contractor shall notify the Engineer immediately, in writing, of any discrepancies or omissions to the topographic information. The Contractor(s) shall be responsible for confirming the location (horizontal/vertical) of any buried cables, conduits, pipes, and structures (storm sewer, sanitary sewer, water, gas, television, telephone, etc.) which impact the construction site. The Contractor(s) shall notify the Owner and Engineer if any discrepancies are found between the actual conditions versus the data contained in the construction plans. Any costs incurred as the result of not confirming the actual location (horizontal/vertical) of said cables, conduits, pipes, and structures shall be borne by the Contractor. Additionally, the Contractor(s) shall notify the Owner and Engineer if any errors or discrepancies are found on the construction documents (ps&e), which negatively impact the project. The Engineer and Owner shall be indemnified of problems and/or cost which may result from Contractor's failure to notify Engineer and Owner.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

REVISIONS	DATE	BY

Adams ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE
EULESS, TX

COVER SHEET

9.24.2009
STATE OF TEXAS
PAUL S. MITCHELL
97408
LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

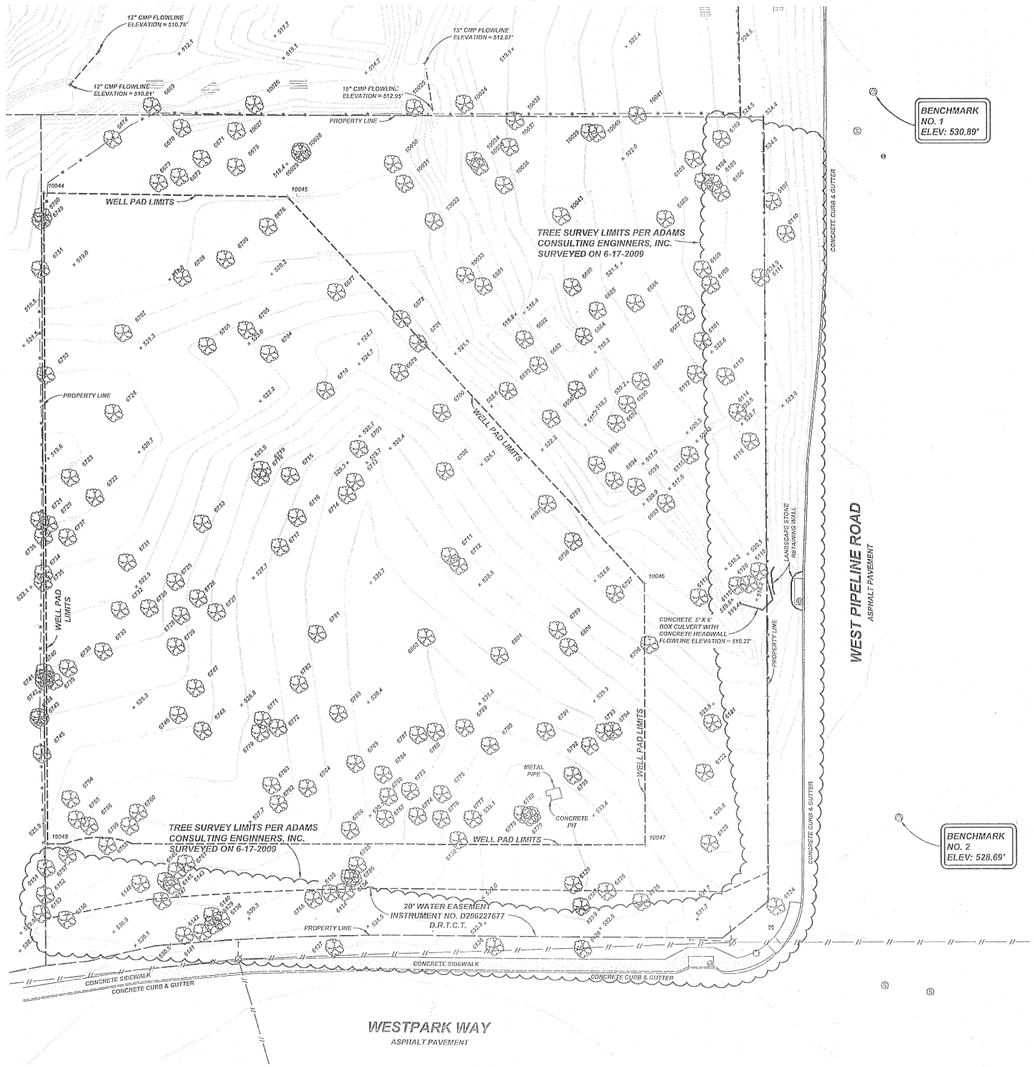
PROJECT MGR.: PSM
PROJECT TECH.: HMV
CHECKED BY:
JOB NO.: 2007.240
SHEET NO.: C1.0

WELL PAD COORDINATES

PAD COORDINATES SHOWN IN NAD 83 NORTH CENTRAL ZONE 4202			
POINT	NORTHING	EASTING	DESCRIPTION
10044	6985170.162	2391858.431	PAD CORNER
10045	6985065.896	2391857.911	PAD CORNER
10046	6984911.204	2391693.621	PAD CORNER
10047	6984910.155	2391581.554	PAD CORNER
10048	6985166.950	2391579.438	PAD CORNER

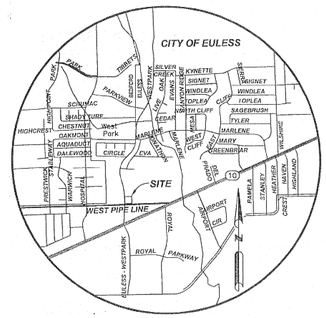
TREE INVENTORY

Point	Description	Point	Description
6101	7" CEDAR	6721	6" CEDAR
6102	24" PINE	6722	6" OAK
6103	22" ELM	6723	7" ELM
6104	10" PINE	6724	6" OAK
6105	12" PINE	6725	14" CEDAR
6106	19" PINE	6726	15" CEDAR
6107	24" OAK	6727	6" HACK
6108	23" PINE	6728	10" CEDAR
6109	12" PINE	6729	6" CEDAR
6110	14" PINE	6730	8" CEDAR
6111	26" OAK	6731	10" CEDAR
6112	21" OAK	6732	10" CEDAR
6113	16" OAK	6733	12" CEDAR
6114	6" ELM	6734	17" CEDAR
6115	22" ELM	6735	16" CEDAR
6116	8" ELM	6736	8" ELM
6117	10" ELM	6737	7" CEDAR
6118	10" COTTONWOOD	6738	7" CEDAR
6119	8" WILLOW	6739	7" CEDAR
6120	7" WILLOW	6740	8" ELM
6121	26" ELM	6741	6" ELM
6122	25" CEDAR	6742	6" ELM
6123	22" OAK	6743	9" HACKBERRY
6124	16" ELM	6744	6" ELM
6125	23" OAK	6745	7" CEDAR
6126	7" CEDAR	6746	14" CEDAR
6127	19" ELM	6747	7" OAK
6128	5" PECAN	6748	6" CEDAR
6129	6" CEDAR	6749	6" CEDAR
6130	8" CEDAR	6750	14" OAK
6134	7" CEDAR	6751	12" OAK
6135	9" CEDAR	6752	14" OAK
6136	5" PECAN	6753	15" ELM
6137	6" HACKBERRY	6754	6" OAK
6138	7" CEDAR	6755	9" ELM
6139	9" ELM	6756	9" ELM
6140	7" CEDAR	6757	6" ELM
6141	7" ELM	6758	6" ELM
6142	8" ELM	6759	9" ELM
6143	6" CEDAR	6760	16" CEDAR
6145	7" ELM	6761	7" CEDAR
6146	7" ELM	6762	7" CEDAR
6147	8" ELM	6763	7" CEDAR
6148	6" ELM	6764	17" CEDAR
6150	7" ELM	6765	8" CEDAR
6151	11" ELM	6766	6" CEDAR
6152	11" ELM	6767	7" CEDAR
6153	6" CEDAR	6768	11" ELM
6154	12" ELM	6769	7" CEDAR
6669	21" OAK	6770	8" CEDAR
6670	18" OAK	6771	7" CEDAR
6671	10" PECAN	6772	6" CEDAR
6672	21" ELM	6773	6" CEDAR
6673	9" OAK	6774	6" CEDAR
6674	12" ELM	6775	22" OAK
6675	6" OAK	6776	7" CEDAR
6676	10" PECAN	6777	6" CEDAR
6677	18" ELM	6778	11" ELM
6678	12" ELM	6779	7" CEDAR
6679	17" ELM	6780	8" CEDAR
6680	10" CEDAR	6781	14" ELM
6681	8" HACKBERRY	6782	10" ELM
6682	36" COTTONWOOD	6783	23" OAK
6683	16" ELM	6784	7" CEDAR
6684	18" ELM	6785	8" CEDAR
6685	18" ELM	6786	12" ELM
6686	18" ELM	6787	7" CEDAR
6687	18" OAK	6788	8" CEDAR
6688	8" MULBERRY	6789	6" CEDAR
6689	19" OAK	6790	6" CEDAR
6690	20" OAK	6791	21" OAK
6691	36" COTTONWOOD	6792	15" ELM
6692	9" CEDAR	6793	14" OAK
6693	11" HACKBERRY	6794	11" HACKBERRY
6694	15" ELM	6795	7" CEDAR
6695	6" HACKBERRY	6796	18" CEDAR
6696	6" HACKBERRY	6797	6" HACKBERRY
6697	15" ELM	6798	8" ELM
6698	21" ELM	6799	22" ELM
6699	17" OAK	6800	19" OAK
6700	18" OAK	6801	15" CEDAR
6701	7" MULBERRY -	6802	24" OAK
6702	21" ELM	10024	18" CEDAR EL
6703	23" OAK	10025	17" CEDAR EL
6704	18" ELM	10026	26" ELM 1883
6705	6" ELM	10027	10" OAK 1884
6706	7" OAK	10028	12" DOGWOOD
6707	6" ELM	10029	13" DOGWOOD
6708	15" PECAN	10030	12" ELM 1887
6709	12" CEDAR	10031	22" OAK 1888
6710	7" CHINABERRY	10032	29" OAK 1889
6711	8" ELM	10033	23" ELM 1890
6712	11" ELM	10034	19" ELM 1891
6713	20" OAK	10035	26" OAK 1892
6714	20" OAK	10036	8" ELM 1893
6715	22IN ELM	10037	10" OAK 1894
6716	22" OAK	10038	29" OAK 1895
6717	22" OAK	10039	6" ELM 1896
6718	28" OAK	10040	20" OAK 1897
6719	10" HACK	10041	30" ELM 1898
6720	21" ELM	10043	21" ELM 1899



VICINITY MAP

NOT TO SCALE



30 0 30 60 90

GRAPHIC SCALE 1"=30'

GENERAL NOTES

1. COORDINATES SHOWN IN "WELL PAD COORDINATES" TABLE HAVE BEEN CONVERTED FROM NAD 27 TO NAD 83(86) BY USE OF COPSCON6. COPSCON6 LISTS THE ACCURACY OF THIS CONVERSION AS "TYPICALLY 12-18cm".

2. THIS EXHIBIT IS NOT INTENDED TO CONSTITUTE A PROPERTY LINE SURVEY OF THE SUBJECT OR ADJOINING PROPERTIES.

3. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE RESEARCH. EASEMENTS AND/OR OTHER TITLE ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN ON THIS SURVEY.

4. PAD LIMITS LINEWORK DEPICTED HEREON IS BASED ON THE ELECTRONIC FILES PROVIDED BY ADAMS ENGINEERING ON SEPTEMBER 1, 2009.

5. SOURCE BENCHMARK: CITY OF EULESS CONTROL MONUMENT NO. E04, DESCRIBED AS A 3-1/4 INCH DOMED BRASS DISK SET IN TOP OF A CONCRETE INLET AND WITNESSED BY AN ORANGE FIBERGLASS STAKE.
ELEVATION: 562.86'

SITE BENCHMARK NO. 1: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 530.89'

SITE BENCHMARK NO. 2: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 528.69'

6. ONLY TREES HAVING A DIAMETER OF 6 INCHES OR GREATER (AS MEASURED AT 4 FEET ABOVE GROUND SURFACE) WERE MEASURED AND LOCATED.

UTILITY NOTE

THE EXISTING UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE ABOVE GROUND FACILITIES AND MARKINGS.

MARSHALL LANCASTER & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE EXACT LOCATION OF SUBSURFACE UTILITY LINES SHOWN HEREON, NOR FOR ANY DAMAGES BY ANY CONSTRUCTION OR EXCAVATION ON OR NEAR SAID UTILITIES.

CALL UNDERGROUND SERVICE ALERT 800-DIG-TESS, 72 HOURS BEFORE ANY CONSTRUCTION OR EXCAVATION IN THIS AREA.

LEGEND

- ⊛ ... SITE BENCHMARK
- FD ... FOUND
- ... ELECTRIC METER
- ✳ ... STREET LIGHT
- ○ ... TRAFFIC SIGNAL POLE
- ⊠ ... UTILITY POLE
- ⊠ ... PULLBOX
- Ⓣ ... TELEPHONE MANHOLE
- ▽ ... TELEPHONE MARKER
- ⊡ ... TELEPHONE RISER
- ⊟ ... TRANSFORMER
- ⊞ ... GAS METER
- ▽ ... GAS MARKER
- ● ... GUARD POST
- ▤ ... MAIL BOX
- ▽ ... SIGN
- ◉ ... SANITARY SEWER CLEANOUT
- Ⓢ ... SANITARY SEWER MANHOLE
- ▤ ... GRATE INLET
- ◎ ... STORM DRAIN MANHOLE
- ... FIRE HYDRANT
- ... IRRIGATION CONTROL VALVE
- ... HOSE BIB
- ◍ ... WATER MANHOLE
- ⊞ ... WATER METER
- ⊗ ... WATER VALVE
- WL ... WATER LINE
- SD ... STORM DRAIN
- SS ... SANITARY SEWER
- CPP ... CORRUGATED PLASTIC PIPE
- PVC ... PVC PIPE
- RCP ... REINFORCED CONCRETE PIPE
- CMP ... CORRUGATED METAL PIPE
- ——// ... OVERHEAD UTILITY LINES
- +— — — ... GUY ANCHOR
- —x—x—x— ... WIRE FENCE
- —o—o—o— ... CHAIN LINK FENCE
- —x—x—x— ... WOOD FENCE
- —o—o—o— ... IRON FENCE

SHEET 1 OF 1
DATE: 09/29/2008
DRAWN BY: MWC
CHECKED BY: MLL
FILE: 07240 TOPO
JOB NO.: 07240

STATE OF TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR MARSHALL LANCASTER 4873

Marshall Lancaster RPLS 4873
Survey Date: 9/23/2008

Date:	REVISIONS Description:	By:
6-16-09	Add trees to survey.	SPA
8-14-09	Add trees to survey.	MWC
9-03-09	Add pad limits, water easement, & pad corner coordinates	MWC

MARSHALL LANCASTER & ASSOCIATES, INC.
CONSULTING LAND SURVEYORS
land title surveys · topography · subdivision platting
retail, commercial and industrial construction surveying
1864 North Norwood Drive, Suite E, Hurst, TX 76054
metro (817) 268-8000 fax (817) 282-2231 www.mla-survey.com

TOPOGRAPHIC SURVEY
"SHOOTING STAR" GAS LEASE
CITY OF EULESS, TARRANT COUNTY, TEXAS

FENCE NOTE

1. SCREENING FENCE SHALL BE CONSTRUCTED TO ALLOW ADEQUATE DRAINAGE TO PASS THROUGH.

** NOTICE TO CONTRACTORS - TOPOGRAPHIC SURVEY **

Topographic information taken from a Topographic Survey performed by Marshall Lancanster. The Contractor shall notify the Engineer immediately, in writing, of any discrepancies or omissions to the topographic information. The Contractor(s) shall be responsible for confirming the location (horizontal/vertical) of any buried cables, conduits, pipes, and structures (storm sewer, sanitary sewer, water, gas, television, telephone, etc.) which impact the construction site. The Contractor(s) shall notify the Owner and Engineer if any discrepancies are found between the actual conditions versus the data contained in the construction plans. Any costs incurred as the result of not confirming the actual location (horizontal/vertical) of said cables, conduits, pipes, and structures shall be borne by the Contractor. Additionally, the Contractor(s) shall notify the Owner and Engineer if any errors or discrepancies are found on the construction documents (ps&e), which negatively impact the project. The Engineer and Owner shall be indemnified of problems and/or cost which may result from Contractor's failure to notify Engineer and Owner.

SITE ADDRESS

1051 WESTPARK WAY
EULESS, TX 76040

NOTICE TO CONTRACTORS - UTILITIES

The Contractor is specifically cautioned that the location and/or elevation of any existing utilities as shown on these plans are based on records of the various utility companies, the governing municipality, and where possible, measurements taken in the field. The information provided is not to be relied on as being exact or complete. The Contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the Contractor to relocate all existing utilities which conflict with the proposed improvements shown on these plans.

*** STOP! CALL BEFORE YOU DIG! ***

As required by "The Texas Underground Facility Damage Prevention and Safety Act" Texas One Call System must be contacted (800-245-4545) at least 48 hours prior to any excavation operations being performed. It is the Contractor's responsibility to contact Texas One Call System.

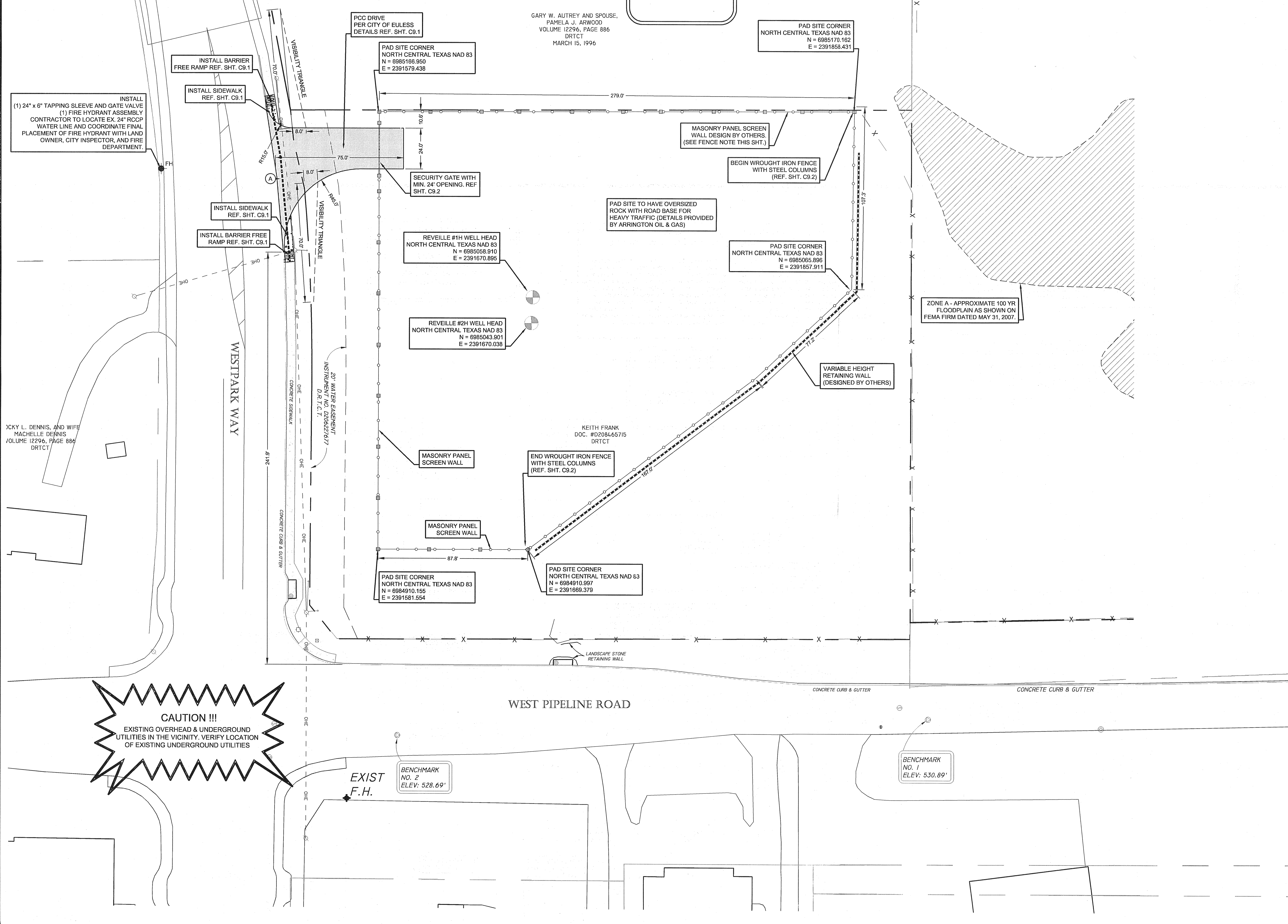
GRAPHIC SCALE

0 30 60 FEET

LEGEND

- RETAINING WALL
- WROUGHT IRON FENCE\ SCREEN WALL
- PROPOSED PCC SIDEWALK REFER TO CITY DETAIL FOR SPECIFICATIONS
- PROPOSED CONCRETE DRIVE REFER TO CITY DETAIL FOR SPECIFICATIONS
- EXISTING FIRE HYDRANT

(A) ACCESSIBLE ROUTE REFER TO STANDARD ACCESSIBILITY REQUIREMENTS



INSTALL BARRIER FREE RAMP REF. SHT. C9.1
INSTALL SIDEWALK REF. SHT. C9.1
INSTALL (1) 24" x 6" TAPPING SLEEVE AND GATE VALVE (1) FIRE HYDRANT ASSEMBLY CONTRACTOR TO LOCATE EX. 24" RCCP WATER LINE AND COORDINATE FINAL PLACEMENT OF FIRE HYDRANT WITH LAND OWNER, CITY INSPECTOR, AND FIRE DEPARTMENT.
FH
PCC DRIVE PER CITY OF EULESS DETAILS REF. SHT. C9.1
PAD SITE CORNER NORTH CENTRAL TEXAS NAD 83 N = 6985166.950 E = 2391579.438
GARY W. AUTREY AND SPOUSE, PAMELA J. ARWOOD VOLUME 12296, PAGE 886 DRTCT MARCH 15, 1996
PAD SITE CORNER NORTH CENTRAL TEXAS NAD 83 N = 6985170.162 E = 2391858.431
279.0'
VISIBILITY TRIANGLE
70.0'
8.0'
75.0'
24.0'
10.6'
R15.0'
R45.0'
OHE
SECURITY GATE WITH MIN. 24' OPENING. REF SHT. C9.2
MASONRY PANEL SCREEN WALL DESIGN BY OTHERS. (SEE FENCE NOTE THIS SHT.)
BEGIN WROUGHT IRON FENCE WITH STEEL COLUMNS (REF. SHT. C9.2)
PAD SITE TO HAVE OVERSIZED ROCK WITH ROAD BASE FOR HEAVY TRAFFIC (DETAILS PROVIDED BY ARRINGTON OIL & GAS)
INSTALL SIDEWALK REF. SHT. C9.1
INSTALL BARRIER FREE RAMP REF. SHT. C9.1
REVEILLE #1H WELL HEAD NORTH CENTRAL TEXAS NAD 83 N = 6985058.910 E = 2391670.895
REVEILLE #2H WELL HEAD NORTH CENTRAL TEXAS NAD 83 N = 6985043.901 E = 2391670.038
PAD SITE CORNER NORTH CENTRAL TEXAS NAD 83 N = 6985065.896 E = 2391857.911
ZONE A - APPROXIMATE 100 YR FLOODPLAIN AS SHOWN ON FEMA FIRM DATED MAY 31, 2007.
VARIABLE HEIGHT RETAINING WALL (DESIGNED BY OTHERS)
WESTPARK WAY
20' WATER EASEMENT INSTRUMENT NO. D206227677 D.R.T.C.T.
CONCRETE SIDEWALK
CONCRETE CURB & GUTTER
KEITH FRANK DOC. #D208465715 DRTCT
MASONRY PANEL SCREEN WALL
END WROUGHT IRON FENCE WITH STEEL COLUMNS (REF. SHT. C9.2)
MASONRY PANEL SCREEN WALL
87.8'
PAD SITE CORNER NORTH CENTRAL TEXAS NAD 83 N = 6984910.155 E = 2391581.554
PAD SITE CORNER NORTH CENTRAL TEXAS NAD 83 N = 6984910.997 E = 2391669.379
241.9'
LANDSCAPE STONE RETAINING WALL
WEST PIPELINE ROAD
CONCRETE CURB & GUTTER
EXIST F.H.
CAUTION !!! EXISTING OVERHEAD & UNDERGROUND UTILITIES IN THE VICINITY. VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES
EXIST F.H.
BENCHMARK NO. 2 ELEV: 528.69'
BENCHMARK NO. 1 ELEV: 530.89'
BENCHMARK NO. 2 ELEV: 529.11'

STANDARD ACCESSIBILITY REQUIREMENTS

PARKING:

(A) ACCESSIBLE PARKING SPACES SHALL BE A MIN. 96" WIDE WITH A MAXIMUM SLOPE OF 2% (IN ALL DIRECTIONS)

(B) EACH ACCESSIBLE PARKING SPACE SHALL HAVE A VERTICALLY MOUNTED (OR SUSPENDED) SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. AT LEAST ONE SPACE MUST HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE LOCATED AT 60" ABOVE GROUND SURFACE TO BOTTOM OF TEXT.

(C) ALL ACCESS AISLES SERVING H.C. PARKING SPACES SHALL BE 60" WIDE MINIMUM AND 96" WIDE MINIMUM FOR VAN DESIGNATED SPACES. ALL BUILDINGS SHALL CONTAIN AT LEAST ONE VAN ACCESSIBLE SPACE.

RAMPS:

(D) RAMPS EXCEEDING 6" IN RISE SHALL HAVE HANDRAILS EACH SIDE AT BETWEEN 34" AND 38" AND EXTEND 12" BEYOND TOP AND BOTTOM OF RAMP AND SHALL NOT DIMINISH THE CLEAR AREA REQUIRED FOR TOP AND BOTTOM LANDINGS SERVING THE RAMPS.

(E) RAMPS SHALL HAVE A ROUGH (BROOM FINISH) SURFACE OR ABRASIVE TILE. RAMPS SHALL ALSO CONTAIN EITHER TRUNCATED DOMES OR 1/8" DEEP GROOVES, 1/4" - 3/4" WIDE AND 3/4" - 2'-0" O.C., ARRANGED SO THAT WATER WILL NOT ACCUMULATE. COLOR OF RAMP FINISH MATERIAL (INCLUDING CONCRETE) AND LIGHT AND REFLECTIVE VALUE MUST CONTRAST SIGNIFICANTLY TO DISTINGUISH IT FROM ADJACENT SURFACES - (OR PAINT STRIPE)

(F) BOTTOM LANDINGS FOR RAMPS SERVING REQUIRED EXITS SHALL BE 6'-0" LONG IN DIRECTION OF TRAVEL, MINIMUM. ALL LANDINGS SHALL BE AT LEAST AS LONG AS THE WIDTH OF THE RAMP THEY SERVE.

(G) RETURN-CURB RAMP WITH MAX SLOPE 1:12

SIDEWALKS AND ACCESSIBLE ROUTES:

(H) 36" MIN. ACCESS ROUTE TO PUBLIC WALK (MAX. LONGITUDINAL SLOPE 1:20 or 5%; MAX CROSS SLOPE 1:50 or 2%)

RETAINING WALL NOTE

Retaining walls and screening walls shown hereon are approximate locations and are shown for graphical representation purposes only. The actual design, location, selection of materials, structural engineering, geotechnical engineering, construction observation, staking, testing and structural or geotechnical review shall be performed by others as selected by the owner and/or developer. ADAMS Engineering shall in no way have any responsibility as it relates to the retaining walls or screening walls associated with this project.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

REVISIONS	DATE	BY

Adams ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE EULESS, TX

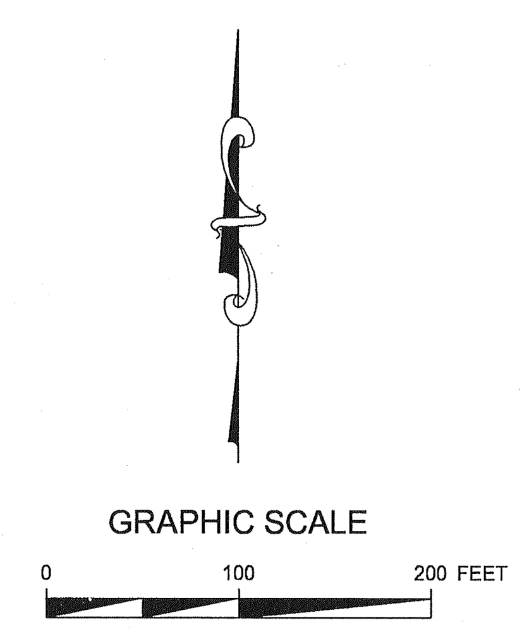
SITE PLAN

9-24-2009
STATE OF TEXAS
PAUL S. MITCHELL
97408
LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

PROJECT MGR.	PSM
PROJECT TECH.	HMV
CHECKED BY	
JOB NO.	2007.240
SHEET NO.	C2.0

FILENAME: C2.0 SITE PLAN.dwg
PLOTTED BY: Heath Voyles
PLOT DATE: Thursday, September 24, 2009
PLOT TIME: 6:14:39 PM
PLOTTER: KIP 6000 AutoCAD.pc3



TRAVEL DISTANCE ALONG NON TXDOT ROADS

WESTPARK WAY - 865FT

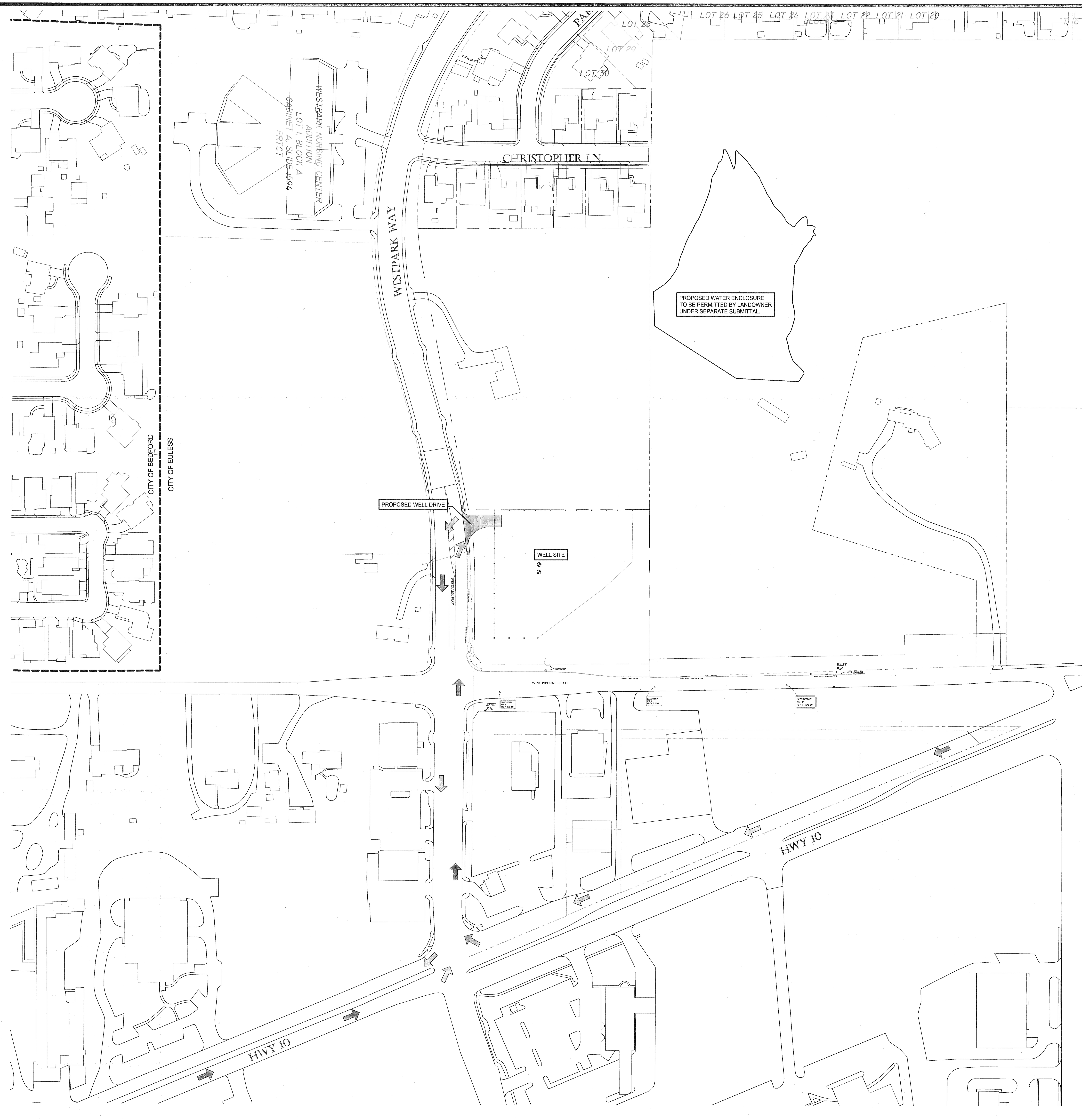
TRANSPORTATION ROUTE

TRAFFIC ROUTE ENTERING THE SITE WILL BE FROM EAST AND/OR WEST ON HIGHWAY 10. TRAFFIC WILL TURN NORTH ON WESTPARK WAY FOR 865 FT TO THE PROPOSED DRIVE OFF OF WESTPARK WAY.

EXITING SITE TRAFFIC WILL BE REQUIRED TO TURN SOUTH ONLY ON WESTPARK WAY, THEN EAST OR WEST ON HWY 10.

1. THE PROPOSED GAS DEVELOPMENT WILL COMPLY WITH ALL STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.
2. DRILLING AND COMPLETION ACTIVITIES WILL COMPLY WITH THE CITY OF EULESS ORDINANCES.
3. BOUNDARY INFORMATION SHOWN HEREON IS APPROXIMATE AND IS SUBJECT TO CHANGE.
4. THIS EXHIBIT IS NOT INTENDED TO CONSTITUTE A PROPERTY LINE SURVEY OF THE SUBJECT OR ADJOINING PROPERTIES.
5. THE EXISTING IMPROVEMENTS DEPICTED HEREON ARE BASED ON PLANIMETRICS PROVIDED BY THE CITY OF EULESS ON NOVEMBER 30, 2008. DISTANCES SHOWN TO IMPROVEMENTS SHOULD BE CONSIDERED APPROXIMATE.
6. EASEMENTS MAY EXIST THAT ARE NOT SHOWN ON THIS EXHIBIT.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.



REVISIONS	DATE	BY

Adams ENGINEERING

910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE EULESS, TX

TRANSPORTATION ROUTE

9.24.2009

STATE OF TEXAS
PAUL S .MITCHELL
97408
LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

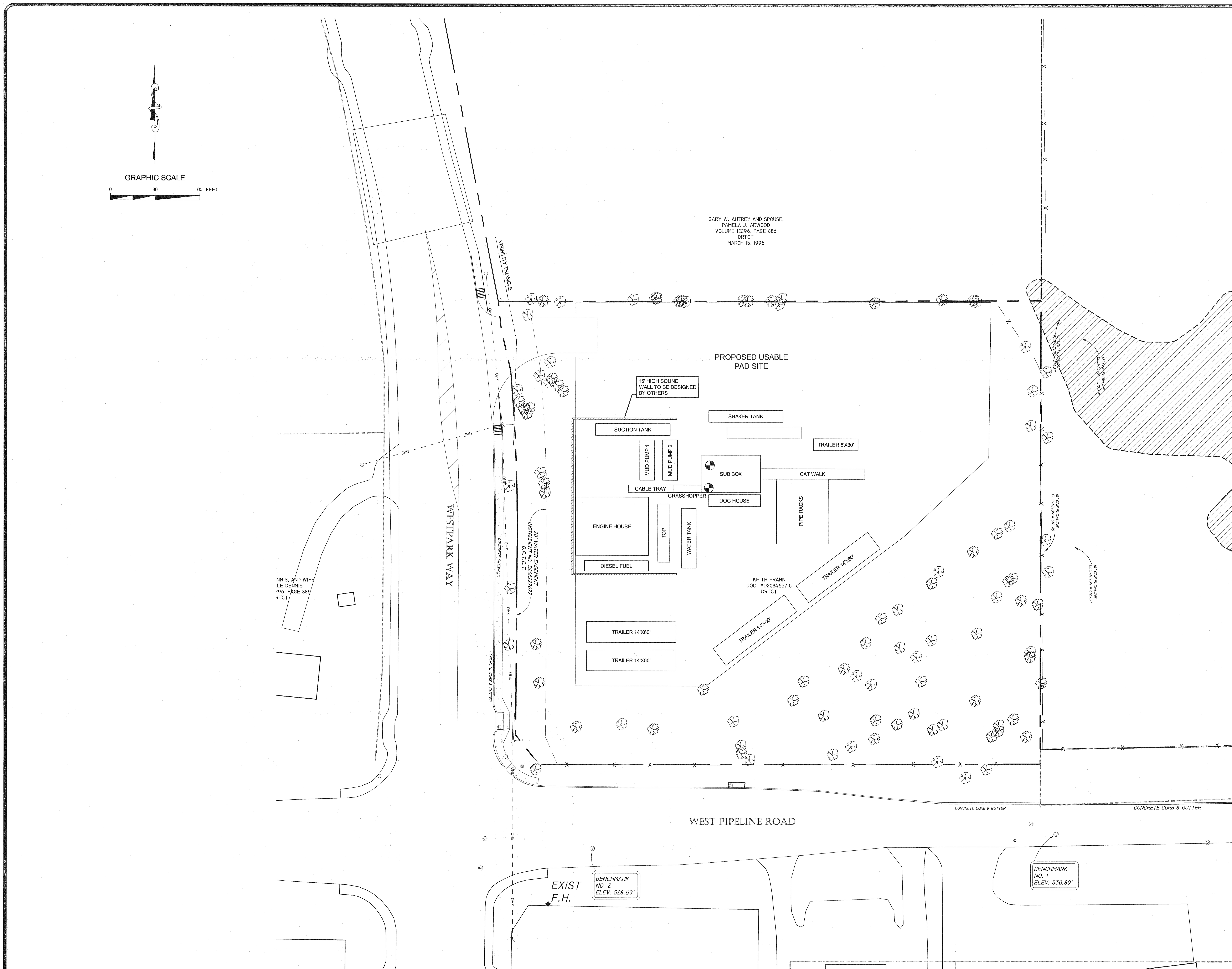
PROJECT MGR.
PSM

PROJECT TECH.
HMV

CHECKED BY

JOB NO.
2007.240

SHEET NO.
C3.0



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REVISIONS	DATE	BY

Adams
ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE
EULESS, TX

RIG LAYOUT

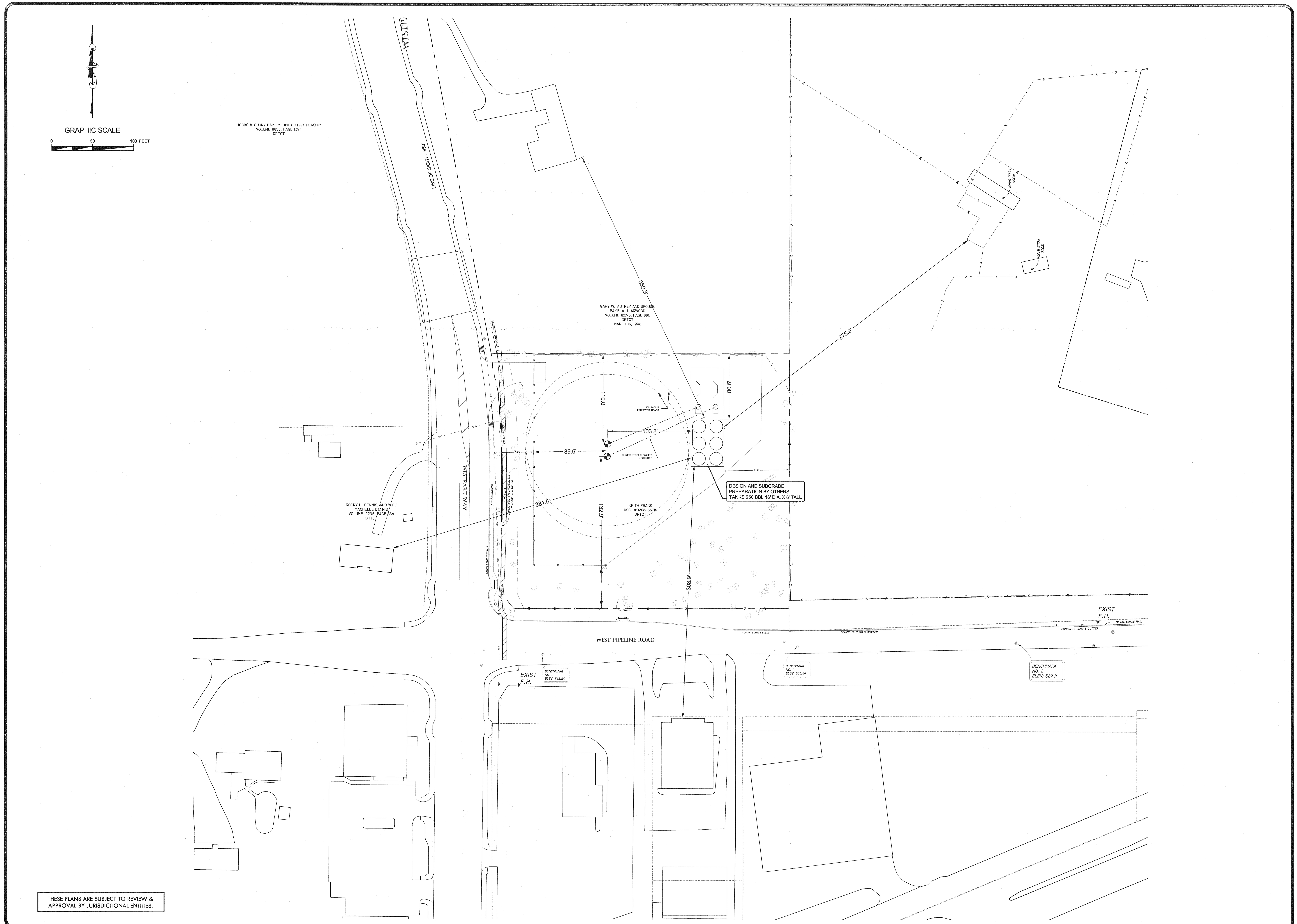
STATE OF TEXAS
PAUL S. MITCHELL
97400
LICENSED
PROFESSIONAL ENGINEER
9-24-2009

TBPE Registration #: F-1002

PROJECT MGR.
PSM
PROJECT TECH.
HMV
CHECKED BY

JOB NO.
2007.240
SHEET NO.
C4.0

FULL PATH: I:\Projects\2007\2007.240 David Arrington - Shooting Star - Euless Tx\Drawings I:\Projects\2007\2007.240 David Arrington - Shooting Star - Euless Tx\Drawings\C4.0 RIG LAYOUT
PLOTTER: KIP 6000 AutoCAD.pc3
PLOT TIME: 6:15:41 PM
PLOT DATE: Thursday, September 24, 2009
PLOTTED BY: Heath Voyles
FILENAME: C4.0 RIG LAYOUT.dwg


GRAPHIC SCALE
0 50 100 FEET
HOBBS & CURRY FAMILY LIMITED PARTNERSHIP
VOLUME 11855, PAGE 1394
DRTCT
LINE OF SIGHT = 650'
WESTPARK WAY
GARY W. AUTREY AND SPOUSE,
PAMELA J. ARWOOD
VOLUME 12296, PAGE 886
DRTCT
MARCH 15, 1996
350.3'
375.9'
110.0'
80.6'
103.8'
89.6'
132.9'
381.6'
308.9'
DESIGN AND SUBGRADE
PREPARATION BY OTHERS
TANKS 250 BBL 16' DIA. X 8' TALL
KEITH FRANK
DOC. #D208465718
DRTCT
ROCKY L. DENNIS, AND WIFE
MACHELLE DENNIS
VOLUME 12296, PAGE 886
DRTCT
EXIST
F.H.
WEST PIPELINE ROAD
CONCRETE CURB & GUTTER
METAL GUARD RAIL
BENCHMARK
NO. 1
ELEV: 530.89'
BENCHMARK
NO. 2
ELEV: 529.11'
EXIST
F.H.
THESE PLANS ARE SUBJECT TO REVIEW &
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REVISIONS | DATE | BY

This drawing was prepared by Adams Consulting Engineers, Inc. (Adams) as an instrument of service, and shall remain the property of Adams.

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ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE
EULESS, TX

PRODUCTION LAYOUT

9-24-2009
STATE OF TEXAS
PAUL S. MITCHELL
97408
LICENSED
PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

PROJECT MGR.
PSM
PROJECT TECH.
HMV
CHECKED BY

JOB NO.
2007.240
SHEET NO.
C5.0

FILENAME: C5.0 PRODUCTION LAYOUT.dwg
PLOTTED BY: Heath Voyles
PLOT DATE: Thursday, September 24, 2009
PLOT TIME: 6:18:53 PM
PLOTTER: KIP 6000 AutoCAD.pc3

GRAPHIC SCALE

0 200 400 FEET

POINT DESCRIPTION		
ID	DESCRIPTION	UNDER LEASE
1	SINGLE FAMILY RESIDENTIAL - PARK HILL	PARITIAL
2	SINGLE FAMILY RESIDENTIAL - WESTPARK WAY ESTATES	PARITIAL
3	WESTPARK NURSING HOME	YES
4	SINGLE FAMILY RESIDENTIAL - NEW BEDFORD CT.	NO
5	SINGLE FAMILY RESIDENTIAL - BRITANY CHASE	NO
6	VACANT RESIDENTIAL	YES
7	SINGLE FAMILY RESIDENTIAL - KITTY HOUSE	YES
8	COMMERCIAL	YES
9	COMMERCIAL	NO
10	COMMERCIAL	NO
11	COMMERCIAL	YES
12	COMMERCIAL	NO
13	COMMERCIAL	YES
14	COMMERCIAL	YES
15	COMMERCIAL	NO
16	BARN	YES
17	SINGLE FAMILY RESIDENTIAL - THE VILLAS AT TEXAS STAR	YES
18	SINGLE FAMILY RESIDENTIAL	YES
19	SHED	YES
20	SINGLE FAMILY RESIDENTIAL	YES

WELLHEAD & FACILITIES SETBACKS		
RADIUS	DESCRIPTION	ID
600	No application for a Gas Well Pad Site Permit in w hich the proposed Well bore is w ithin six hundred feet (600') of a Residential structure or Public Building shall be accepted unless w ritten notarized w aivers are obtained from all Residential structures,	N/A
1000	Ow ner and address of each parcel of property w ithin one thousand feet (1000') of the proposed Gas Well Pad Site boundary. A detailed site plan that includes the proposed operation site show ing the location and providing a description of all improvements a	N/A

REVISIONS	DATE	BY

Adams ENGINEERING

910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE EULESS, TX

SITE RADIUS SURVEY

TBPE Registration #: F-1002

PROJECT MGR. PSM

PROJECT TECH. HMV

CHECKED BY

JOB NO. 2007.240

SHEET NO. C6.0

PLOTTER: Adobe PDF Color.pc3
PLOT TIME: 2:37:18 PM
PLOT DATE: Thursday, September 24, 2009
PLOTTED BY: Heath Voyles
FILENAME: C6.0 SITE RADIUS SURVEY.dwg

*** STOP! CALL BEFORE YOU DIG! ***

As required by "The Texas Underground Facility Damage Prevention and Safety Act" Texas One Call System must be contacted (800-245-4545) at least 48 hours prior to any excavation operations being performed. It is the Contractor's responsibility to contact Texas One Call System.

SITE LEGEND

EXISTING CONTOUR	
PROPOSED CONTOUR	
ADA ROUTE	
EXISTING FLOW ARROW	
PROPOSED FLOW ARROW	
PROPOSED SIDEWALK	

GRAPHIC SCALE

0 30 60 FEET

** NOTICE TO CONTRACTORS - TOPOGRAPHIC SURVEY **

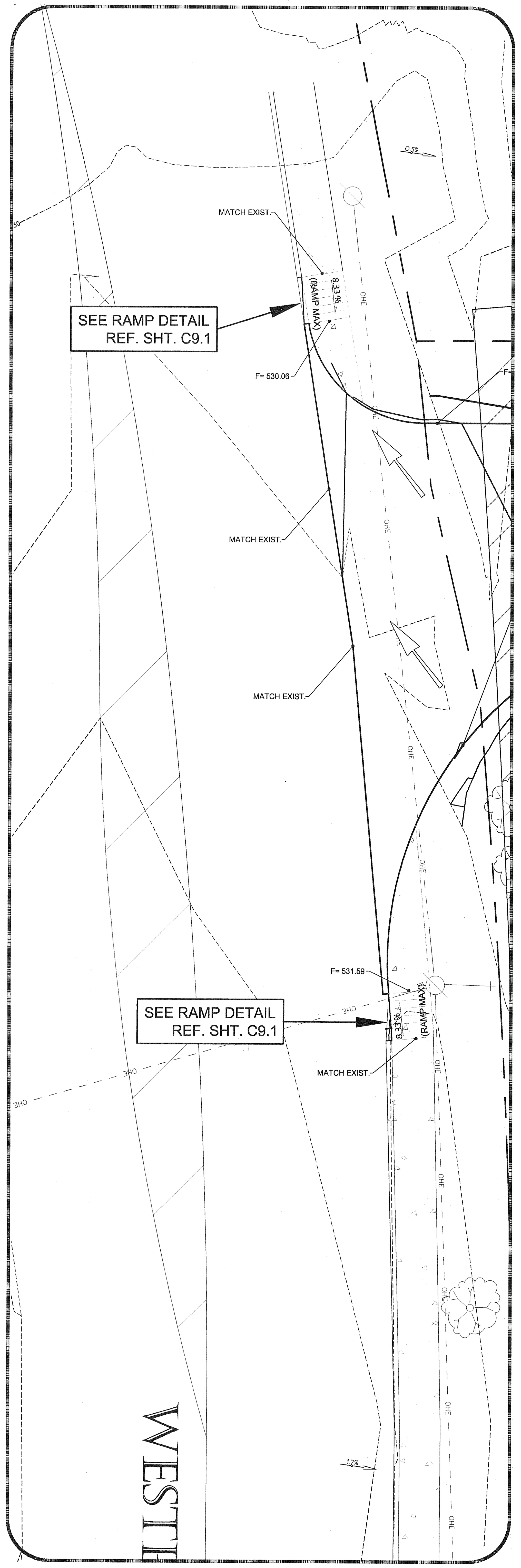
Topographic information taken from a Topographic Survey performed by Marshall Lancaster and Associates, Inc. The Contractor shall notify the Engineer immediately, in writing, of any discrepancies or omissions to the topographic information. The Contractor(s) shall be responsible for confirming the location (horizontal/vertical) of any buried cables, conduits, pipes, and structures (storm sewer, sanitary sewer, water, gas, television, telephone, etc.) which impact the construction site. The Contractor(s) shall notify the Owner and Engineer if any discrepancies are found between the actual conditions versus the data contained in the construction plans. Any costs incurred as the result of not confirming the actual location (horizontal/vertical) of said cables, conduits, pipes, and structures shall be borne by the Contractor. Additionally, the Contractor(s) shall notify the Owner and Engineer if any errors or discrepancies are found on the construction documents (ps&e), which negatively impact the project. The Engineer and Owner shall be indemnified of problems and/or cost which may result from Contractor's failure to notify Engineer and Owner.

NOTICE TO CONTRACTORS - UTILITIES

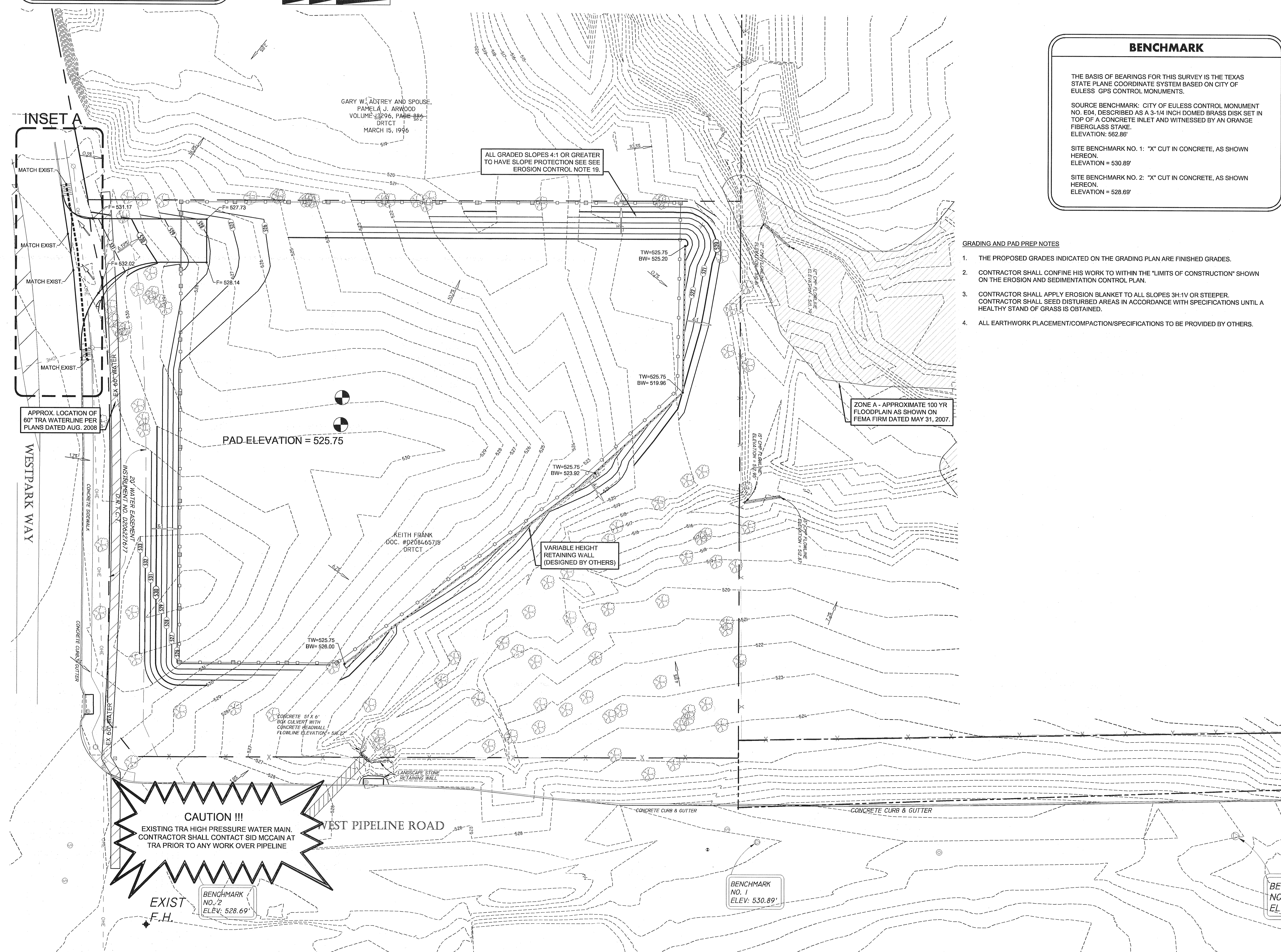
The Contractor is specifically cautioned that the location and/or elevation of any existing utilities as shown on these plans are based on records of the various utility companies, the governing municipality, and where possible, measurements taken in the field. The information provided is not to be relied on as being exact or complete. The Contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the Contractor to relocate all existing utilities which conflict with the proposed improvements shown on these plans.

RETAINING WALL NOTE

Retaining walls and screening walls shown hereon are approximate locations and are shown for graphical representation purposes only. The actual design, location, selection of materials, structural engineering, geotechnical engineering, construction observation, staking, testing and structural or geotechnical review shall be performed by others as selected by the owner and/or developer. ADAMS Engineering shall in no way have any responsibility as it relates to the retaining walls or screening walls associated with this project.



INSET A
SCALE : 1"=10'


INSET A
MATCH EXIST.
GARY W. ADIREY AND SPOUSE,
PAMELA J. ARWOOD
DRTCT
MARCH 15, 1996
ALL GRADED SLOPES 4:1 OR GREATER TO HAVE SLOPE PROTECTION SEE SEE EROSION CONTROL NOTE 19.
F= 531.17
F= 527.73
F= 532.02
F= 528.14
TW=525.75 BW= 525.20
TW=525.75 BW= 519.96
TW=525.75 BW= 523.92
TW=525.75 BW= 526.00
PAD ELEVATION = 525.75
APPROX. LOCATION OF 60" TRA WATERLINE PER PLANS DATED AUG. 2008
WESTPARK WAY
CONCRETE SIDEWALK
VARIABLE HEIGHT RETAINING WALL (DESIGNED BY OTHERS)
ZONE A - APPROXIMATE 100 YR FLOODPLAIN AS SHOWN ON FEMA FIRM DATED MAY 31, 2007.
CAUTION !!!
EXISTING TRA HIGH PRESSURE WATER MAIN. CONTRACTOR SHALL CONTACT SID MCCAIN AT TRA PRIOR TO ANY WORK OVER PIPELINE
WEST PIPELINE ROAD
CONCRETE CURB & GUTTER
BENCHMARK NO. 2 ELEV: 528.69'
BENCHMARK NO. 1 ELEV: 530.89'
EXIST F.H.

BENCHMARK

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE TEXAS STATE PLANE COORDINATE SYSTEM BASED ON CITY OF EULESS GPS CONTROL MONUMENTS.

SOURCE BENCHMARK: CITY OF EULESS CONTROL MONUMENT NO. E04, DESCRIBED AS A 3-1/4 INCH DOMED BRASS DISK SET IN TOP OF A CONCRETE INLET AND WITNESSED BY AN ORANGE FIBERGLASS STAKE.
ELEVATION: 562.86'

SITE BENCHMARK NO. 1: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 530.89'

SITE BENCHMARK NO. 2: "X" CUT IN CONCRETE, AS SHOWN HEREON.
ELEVATION = 528.69'

GRADING AND PAD PREP NOTES

1. THE PROPOSED GRADES INDICATED ON THE GRADING PLAN ARE FINISHED GRADES.
2. CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE "LIMITS OF CONSTRUCTION" SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
3. CONTRACTOR SHALL APPLY EROSION BLANKET TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL SEED DISTURBED AREAS IN ACCORDANCE WITH SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
4. ALL EARTHWORK PLACEMENT/COMPACTION/SPECIFICATIONS TO BE PROVIDED BY OTHERS.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

REVISIONS	DATE	BY

Adams ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE
EULESS, TX

GRADING

9.24.2009
STATE OF TEXAS
PAUL S .MITCHELL
97408
LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

PROJECT MGR.	PSM
PROJECT TECH.	HMV
CHECKED BY	
JOB NO.	2007.240
SHEET NO.	C7.0

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*** FLOOD NOTE ***

According to the federal emergency management agency, all proposed structures are outside of the 100 year floodplain.

SITE DATA

Disturbed Area	1.90 AC
Impervious:	0.00 AC
Pervious:	1.90 AC
Runoff Coeff. Pre-dev	0.30
Runoff Coeff. Post-dev	0.50

BENCHMARK

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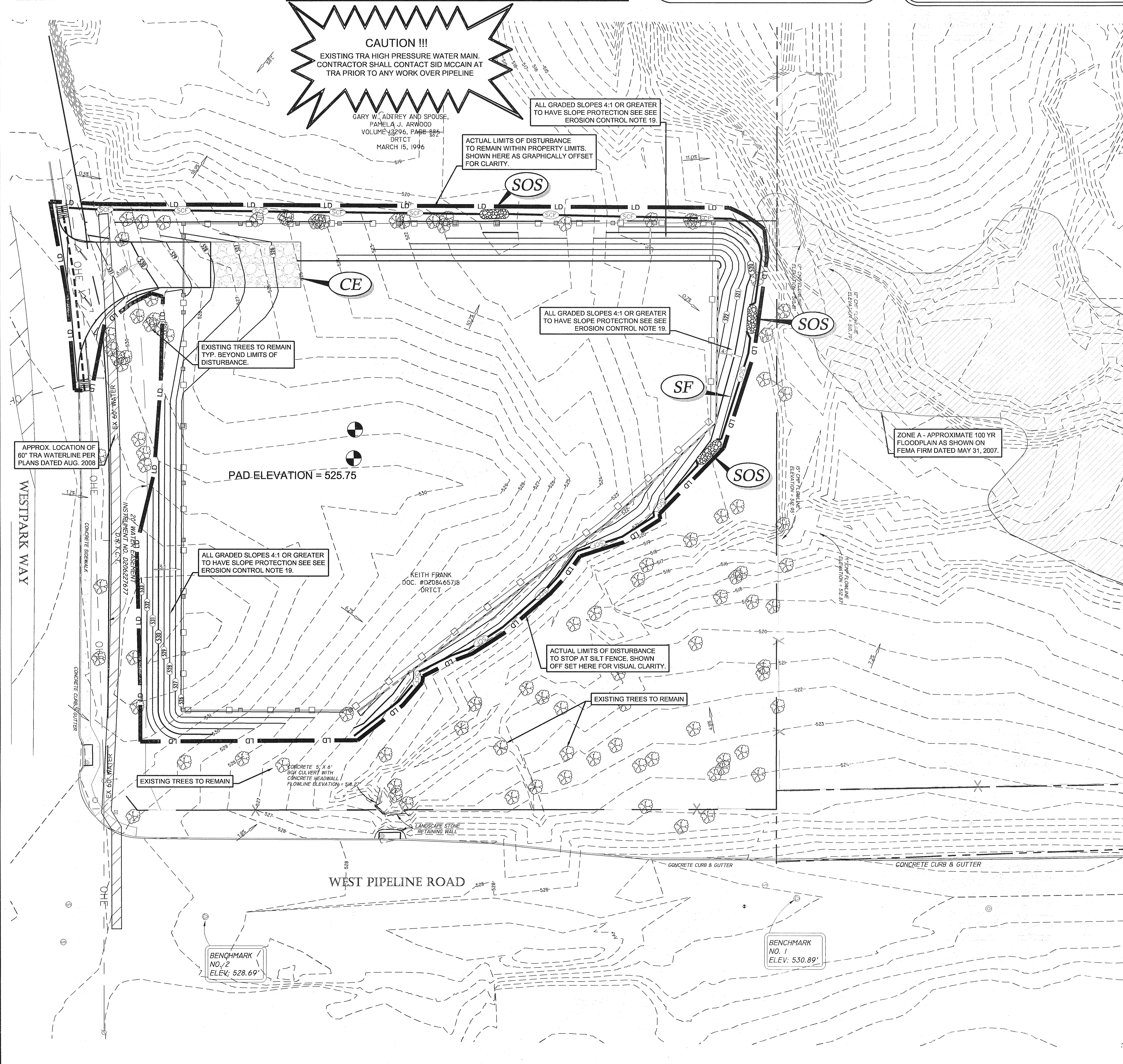
GRAPHIC SCALE

0 30 60 FEET



SITE LEGEND

LIMITS OF DISTURBANCE	LD
SILT FENCE	SCF
EXISTING CONTOUR	
PROPOSED CONTOUR	
EXISTING FLOW ARROW	1.4%
PROPOSED FLOW ARROW	3:1
ROCK CHECK DAM/ STONE OVERFLOW STRUCTURE	
PROPOSED SIDEWALK	

CONSTRUCTION SEQUENCE

1. Install construction exit as shown on plans.
2. Install silt fence around perimeter in locations as shown.
3. Begin clearing and grubbing preparation for fill operations.
4. Commence grading operation for pad preparation.
5. Remove temporary construction exit and install 75' concrete drive per detail.
6. Remove silt fence.
7. Complete planting and/or seeding of vegetated areas to accomplish stabilization in disturbed areas.

SEEDING SPECIFICATIONS

Shoulders, side ditches, slopes (maximum 3:1)

Date	Type	Planting Rate
Aug 15-Nov 01	Tall Fescue	120 lbs./acre
Nov 01-Mar 01	Tall Fescue	120 lbs./acre
	& Abruzzi Rye	25 lbs./acre
Mar 01-Apr 15	Tall Fescue	120 lbs./acre
Apr 15-Jul 30	Hulled Common Bermuda Grass	12 lbs./acre
July 15-Aug 15	Tall Fescue and	60 lbs./acre
	Browntop millet	35 lbs./acre
	Or sorghum-sudan hybrids	30 lbs./acre

Slopes (3:1 to 2:1)

Mar 01-June 01	Buffaloe Grass	1.6 lbs./acre
(Mar 01-Apr 15)	& Add tall fescue	60 lbs./acre
(Mar 01-June 30)	Or add Weeping Lovegrass	5 lbs./acre
(Mar 01-June 30)	Or add Hulled Common Bermuda Grass	8 lbs./acre
June 01-Sep 01	Tall Fescue and	60 lbs./acre
	Browntop Millet	35 lbs./acre
	-Or- Sorghum-Sudan Hybrids	30 lbs./acre
Sep 01-Mar 01	Western Wheat Grass	5 lbs./acre
	and Tall Fescue	4.5 lbs./acre
(Nov 01-Mar 01)	Add Abruzzi Rye	25 lbs./acre

USE MULCH (CONWEB FIBERS 1000 OR ENGINEER'S APPROVED EQUIVALENT) AND TACKIFER (CONWEB, OR APPROVED EQUIVALENT) IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS IN APPLICATION OF VEGETATIVE STABILIZATION.

EROSION CONTROL NOTES

1. Contractor must complete a construction site notice, obtain signed copies of NOI form for both Owner and Contractor (if applicable to this site), and post them at the construction site, in accordance with the Texas Pollutant Discharge Elimination System (TPDES) general permit for construction activities (TXR150000). The general contractor, (and all subcontractors involved with any construction activity related to earthwork, erosion control., etc., or which utilize possible pollutants as defined in the TPDES general permit) must be familiar with the contents of the storm water pollution prevention plan (SWPPP) as well as all the requirements set forth in the TPDES general permit and any applicable local permit requirements, and shall comply with all such requirements during all construction activities.
2. The Contractor shall adhere to the sequence of operations for erosion control implementation shown hereon. Any deviation from this sequence deemed necessary by the Contractor may require that the Stormwater Pollution Prevention Plan be modified in accordance with the TPDES general permit guidelines and Section 1.01 f of the Stormwater Pollution Prevention Plan.
3. The contractor shall modify this plan to show locations of temporary washdown areas, portable toilets, equipment maintenance/repair areas, stockpile areas, fuel storage areas, concrete wash-out pits, and pollutant controls for each, as soon as possible. The General Permit authorizes the land disposal of wash out water from concrete trucks that are associated with off-site production facilities, as long as the discharge is into specifically designated diked areas which have been prepared to prevent contact between the concrete and/or wash out water and stormwater which will be discharged from the site, to prevent direct discharge to surface waters (see concrete washout detail shown in plans). Direct discharge of concrete truck wash out water to surface waters in the state, including discharge to storm sewers, is prohibited by the General Permit. If a concrete plant is located at construction site, contractor shall obtain coverage under and comply with General Permit TXG110000 or Individual permit.
4. The general contractor shall perform all required inspections of stormwater controls and practices at frequencies given in the TPDES general permit, and shall complete and sign appropriate inspection forms (as provided in the Stormwater Pollution Prevention Plan).
5. Oil and grease absorbing materials shall be readily available on-site and shall be promptly used to contain and/or clean up all fuel or chemical spills or leaks.
6. Dust control shall be accomplished by watering dry, exposed areas on a regular basis. spraying of petroleum based or toxic liquids for this purpose is prohibited.
7. Disturbed areas of the site where construction activities have ceased for at least fourteen days shall be temporarily stabilized with vegetation and mulch.
8. Disturbed areas of the site where construction activities have permanently ceased shall be permanently seeded within fourteen days per seeding or landscaping specifications.
9. All vehicles shall be cleaned at the construction exit points according to notes shown on the detail thereof. If the majority of mud or dirt is not removed from exiting traffic, hose bibs shall be provided at construction traffic exit points, and vehicle tires shall be washed before exiting onto public roads. Silt from this washing operation shall be intercepted and trapped before wash water is allowed to be discharged off-site.
10. All materials spilled, dropped, washed or tracked onto adjacent roadways by vehicles exiting the site shall be cleaned or removed immediately.
11. Contractor shall prevent any siltation from entering the storm sewer system. All inlets and inlet openings shall be fully encircled with appropriate inlet protection devices.
12. The Contractor shall remove all accumulated silt in any temporary or permanent detention ponds, storm sewer inlets and pipes, and along silt fences, within 48 hours after inspection of devices reveals the presence of excessive siltation (as specified in Section 5.02 of the Stormwater Pollution Prevention Plan).
13. Silt fences shall be placed around any stockpiles used on this site.
14. The Contractor is advised to construct temporary or permanent fencing around detention ponds and sediment basins at the earliest possible time to prevent accidental access by persons or animals.
15. Any additional erosion control measures required to ensure compliance with the TPDES general permit or local permit requirements shall be implemented by the Contractor, at no additional expense to the Owner.
16. All temporary erosion control measures shall be removed and properly disposed of off-site within thirty days after stabilization of all surfaces.
17. The Contractor shall assume liability for damage to adjacent properties and/or public right-of-way resulting from failure to fully implement and execute all erosion control procedures shown and noted in these plans.
18. Whenever dirt, rock, or other materials are imported or exported on the primary construction site, Contractor shall assume responsibility for compliance with all TCEQ stormwater requirements for the remote site. contractor shall furnish the Engineer and the Owner's construction manager with documentation of coverage for the borrow or fill site under a TPDES permit for stormwater discharges and of a written agreement with the landowner of the remote site indicating erosion control measures have been implemented thereon. At a minimum, erosion control measures must consist of perimeter controls (silt fences) on all down slopes and side slope boundaries of any disturbed area, plus provisions for re-vegetation after the fill materials are in place.
19. All slopes on site which are 4:1 or steeper shall be stabilized by track walking (traversing up and down the slope with a tracked vehicle) followed by installation of erosion control blanket installed in accordance with manufacturer's instructions. Erosion control blanket shall be North American Green S150 or approved equal.

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2. The contractor shall note on site plan the location of all material storage areas, equipment storage areas, petroleum tanks, solid waste receptacles, sanitary facilities, any on-site or off-site borrow or stockpile area, any on-site or off-site support activities (such as asphalt or concrete plants). Contractor shall also prepare, keep on site, and maintain current a list of materials with approximate quantities, which are stored on site.

SWPPP NOTE

The TXR150000 General Permit requires that the permittee revise or update this SWPPP whenever there is a change in design, construction, operation, or maintenance, or whenever the result of an inspection indicates that this SWPPP is ineffective in eliminating or significantly minimizing pollutants in STORMWATER discharges. However, the regulations of the Texas Board of Professional Engineers require that changes made by the contractor during construction must be authorized by a licensed Texas engineer. These changes may be authorized by the Engineer of Record through updated drawings, work order changes, or other methods acceptable to the Engineer; or by another Engineer provided that they notify the Engineer of Record.

SWPPP MAINTENANCE NOTES

All measures stated on this erosion and sediment control plan, and in the Stormwater Pollution Prevention Plan, shall be maintained in fully functional condition until no longer required for a completed phase of work or final stabilization of the site. All erosion and sedimentation control measures shall be checked by a qualified person on a schedule which complies with the general permit requirements and cleaned and repaired within 48 hours of the inspection in accordance with the following:

1. Inlet protection devices and barriers shall be repaired or replaced if they show signs of undermining, or deterioration.
2. All seeded areas shall be checked regularly to see that a good stand is maintained. Areas should be fertilized, watered and reseeded as needed.
3. Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one-half the height of the silt fence.
4. The temporary parking and storage area (if present) shall be kept in good condition (suitable for parking and storage). This may require periodic top dressing of the temporary parking as conditions demand.
5. Outlet structures in the sedimentation basins or sediment traps (if present) shall be maintained in operational condition at all times. Sediment shall be removed from sediment basins or traps when the design capacity has been reduced by 50%.
6. Maintenance procedures for the erosion and sedimentation control systems specified are given in Section 5 of the storm water pollution prevention plan.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

REVISIONS | DATE | BY

Adams ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

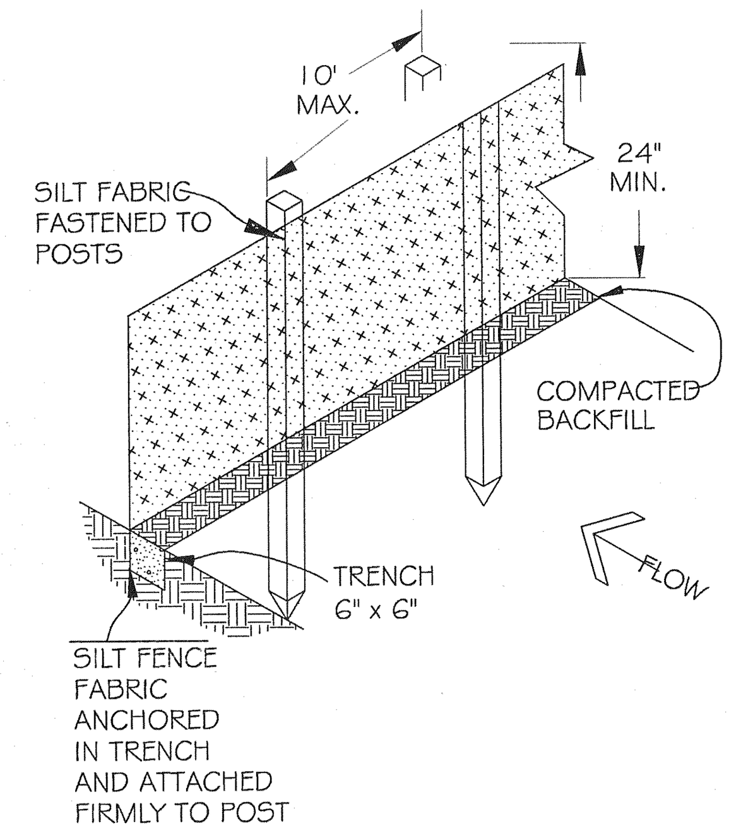
REVEILLE GAS WELL LEASE EULESS, TX

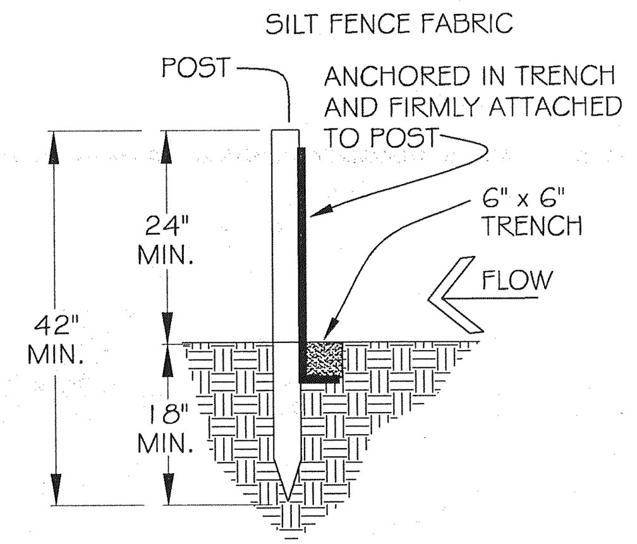
SWPPP

9.24.2009
STATE OF TEXAS
PAUL S. MITCHELL
97408
LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

PROJECT MGR.: PSM
PROJECT TECH.: HMV
CHECKED BY:
JOB NO.: 2007.240
SHEET NO.: C8.0





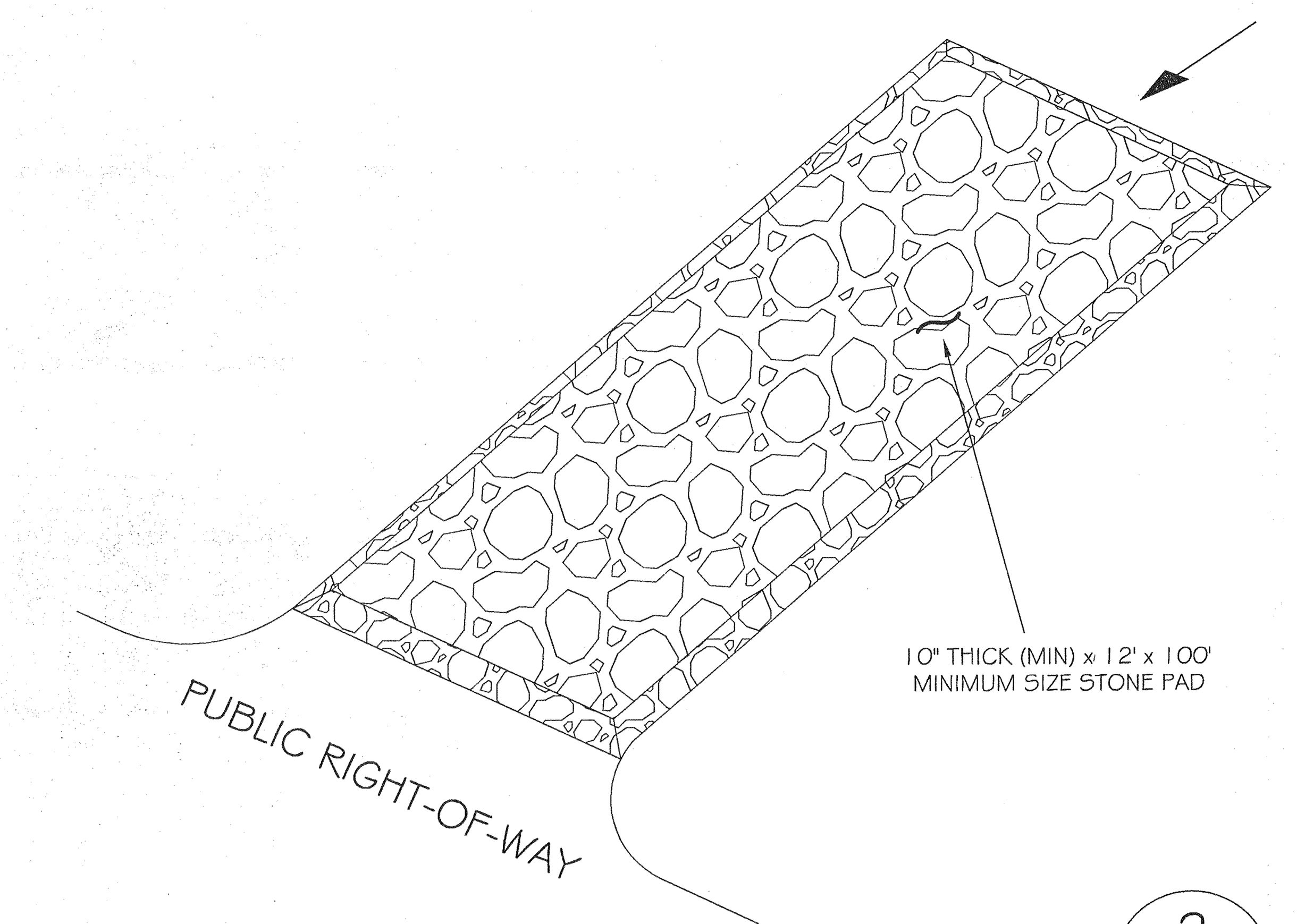
SILT FENCE GENERAL NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE IN ACCORDANCE WITH PERMIT REQUIREMENTS. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

1 SILT FENCE DETAIL

NTS

SF



CONSTRUCTION NOTES:

1) GRADATION OF ROCK

SIZE OF ROCK LBS.	% SMALLER BY WEIGHT
200	100
50	35-65
3	0

2) THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE DRESSING WITH ADDITIONAL STONE AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

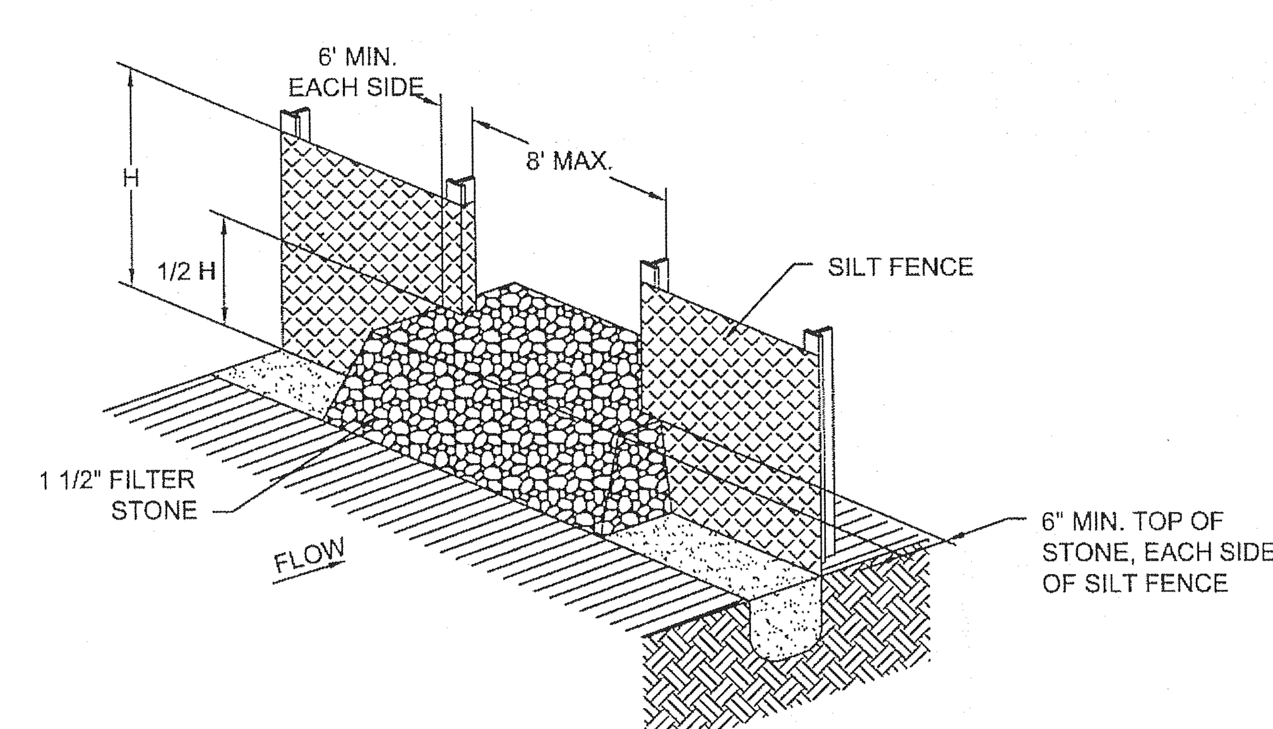
3) WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WASHING SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT CONTROLLING STRUCTURE. USE SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS TO PREVENT SEDIMENT FROM ENTERING ANY STORM DRAIN, DITCH, OR WATER COURSE.

4) ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF- WAY MUST BE REMOVED IMMEDIATELY.

2 CONSTRUCTION EXIT

NTS

CE



STONE OVERFLOW STRUCTURE

SOS

SILT FENCE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 201.5	
		DATE OCT. '04	STANDARD DRAWING NO. 1020A

REVISIONS	DATE	BY

Adams ENGINEERING

910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE EULESS, TX

EROSION CONTROL DETAILS

9-24-2009

STATE OF TEXAS PAUL S. MITCHELL 97400 LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

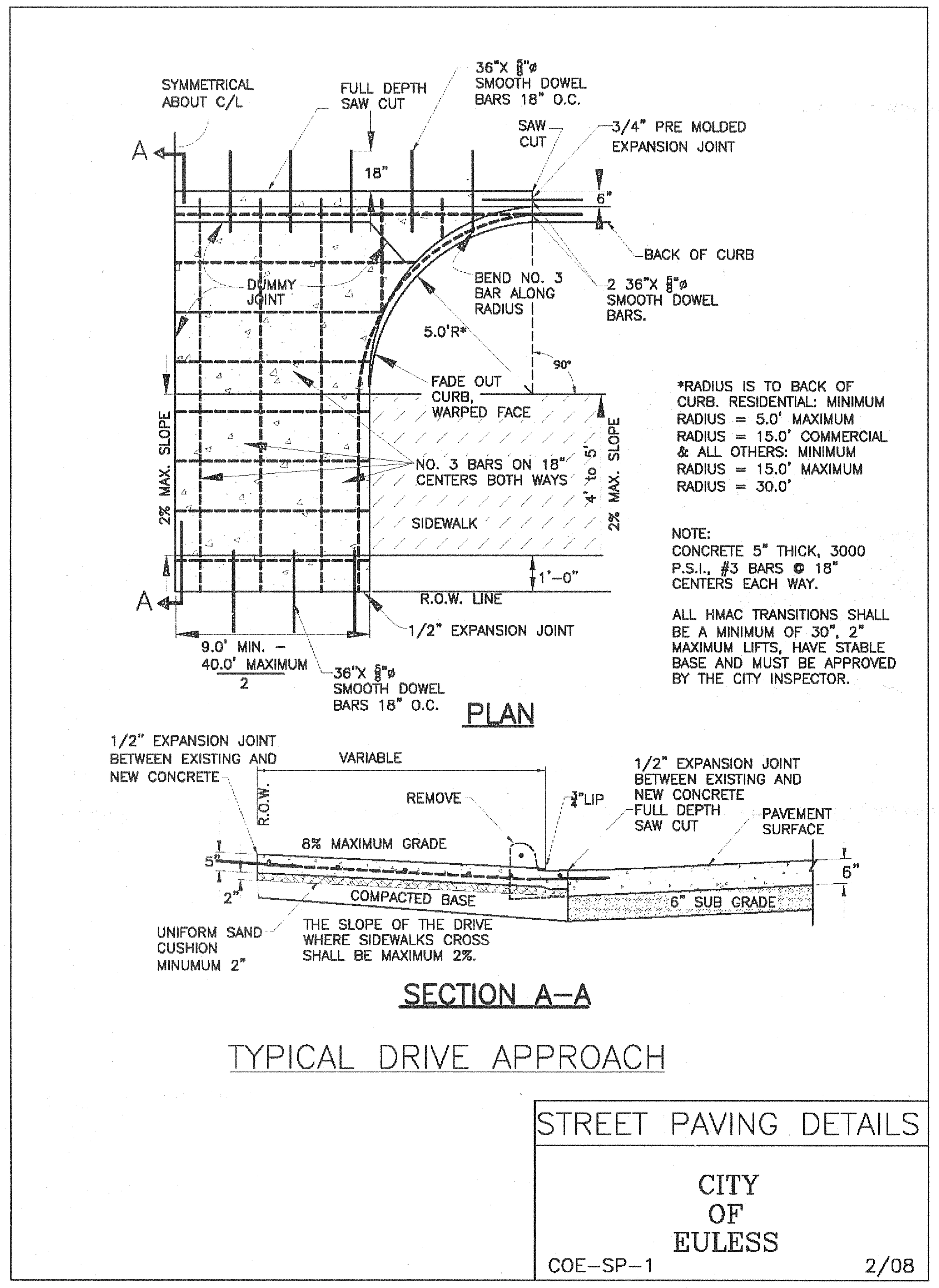
PROJECT MGR. PSM

PROJECT TECH. HMV

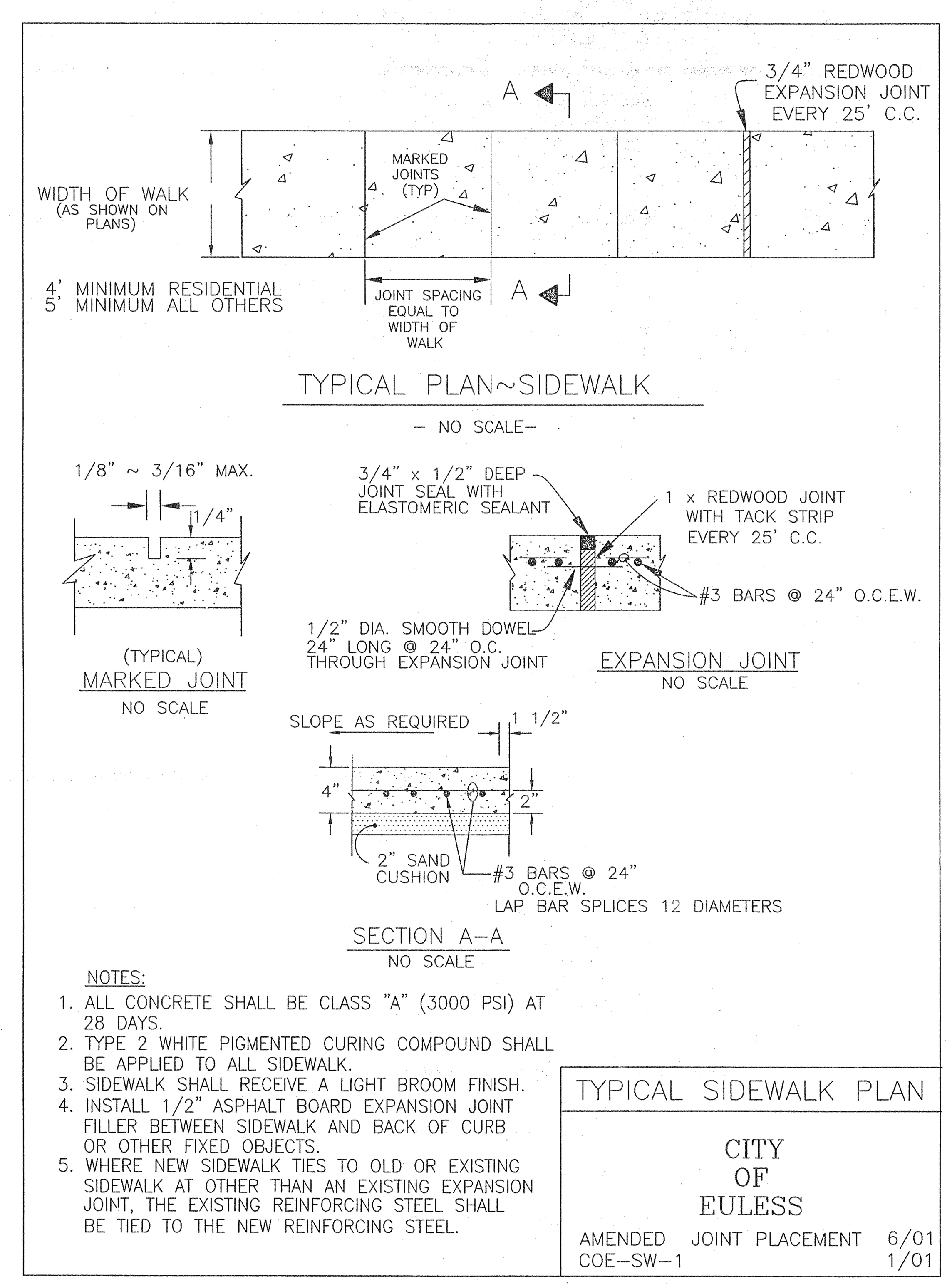
CHECKED BY

JOB NO. 2007.240

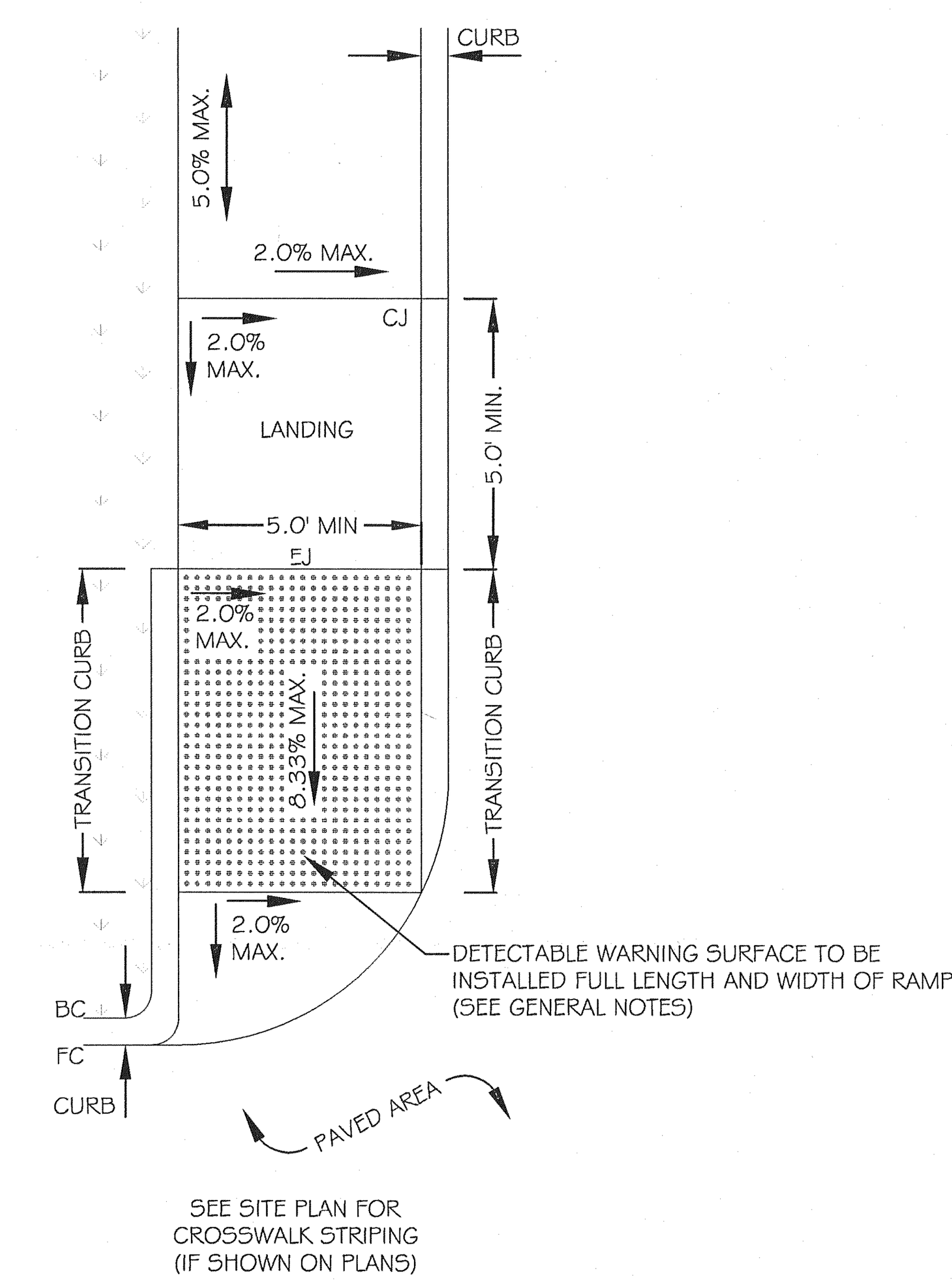
SHEET NO. **C9.0**


SYMMETRICAL ABOUT C/L
FULL DEPTH SAW CUT
36"X 5/8"φ SMOOTH DOWEL BARS 18" O.C.
SAW CUT
3/4" PRE MOLDED EXPANSION JOINT
18"
6"
BACK OF CURB
DUMMY JOINT
BEND NO. 3 BAR ALONG RADIUS
2 36"X 5/8"φ SMOOTH DOWEL BARS.
5.0'R*
FADE OUT CURB, WARPED FACE
90°
NO. 3 BARS ON 18" CENTERS BOTH WAYS
SIDEWALK
2% MAX. SLOPE
4" to 5"
2% MAX. SLOPE
R.O.W. LINE
1'-0"
1/2" EXPANSION JOINT
9.0' MIN. - 40.0' MAXIMUM / 2
36"X 5/8"φ SMOOTH DOWEL BARS 18" O.C.
*RADIUS IS TO BACK OF CURB. RESIDENTIAL: MINIMUM RADIUS = 5.0' MAXIMUM RADIUS = 15.0' COMMERCIAL & ALL OTHERS: MINIMUM RADIUS = 15.0' MAXIMUM RADIUS = 30.0'
NOTE:
CONCRETE 5" THICK, 3000 P.S.I., #3 BARS @ 18" CENTERS EACH WAY.
ALL HMAC TRANSITIONS SHALL BE A MINIMUM OF 30", 2" MAXIMUM LIFTS, HAVE STABLE BASE AND MUST BE APPROVED BY THE CITY INSPECTOR.
PLAN
1/2" EXPANSION JOINT BETWEEN EXISTING AND NEW CONCRETE
VARIABLE
R.O.W.
REMOVE
1/2" LIP
1/2" EXPANSION JOINT BETWEEN EXISTING AND NEW CONCRETE
FULL DEPTH SAW CUT
PAVEMENT SURFACE
8% MAXIMUM GRADE
5"
2"
6"
COMPACTED BASE
6" SUB GRADE
UNIFORM SAND CUSHION MINIMUM 2"
THE SLOPE OF THE DRIVE WHERE SIDEWALKS CROSS SHALL BE MAXIMUM 2%.
SECTION A-A
TYPICAL DRIVE APPROACH
STREET PAVING DETAILS
CITY OF EULESS
COE-SP-1
2/08

69.


3/4" REDWOOD EXPANSION JOINT EVERY 25' C.C.
WIDTH OF WALK (AS SHOWN ON PLANS)
MARKED JOINTS (TYP)
4' MINIMUM RESIDENTIAL
5' MINIMUM ALL OTHERS
JOINT SPACING EQUAL TO WIDTH OF WALK
TYPICAL PLAN~SIDEWALK
- NO SCALE-
1/8" ~ 3/16" MAX.
1/4"
(TYPICAL)
MARKED JOINT
NO SCALE
3/4" x 1/2" DEEP JOINT SEAL WITH ELASTOMERIC SEALANT
1 x REDWOOD JOINT WITH TACK STRIP EVERY 25' C.C.
#3 BARS @ 24" O.C.E.W.
1/2" DIA. SMOOTH DOWEL 24" LONG @ 24" O.C. THROUGH EXPANSION JOINT
EXPANSION JOINT
NO SCALE
SLOPE AS REQUIRED
1 1/2"
4"
2"
2" SAND CUSHION
#3 BARS @ 24" O.C.E.W.
LAP BAR SPLICES 12 DIAMETERS
SECTION A-A
NO SCALE
NOTES:
1. ALL CONCRETE SHALL BE CLASS "A" (3000 PSI) AT 28 DAYS.
2. TYPE 2 WHITE PIGMENTED CURING COMPOUND SHALL BE APPLIED TO ALL SIDEWALK.
3. SIDEWALK SHALL RECEIVE A LIGHT BROOM FINISH.
4. INSTALL 1/2" ASPHALT BOARD EXPANSION JOINT FILLER BETWEEN SIDEWALK AND BACK OF CURB OR OTHER FIXED OBJECTS.
5. WHERE NEW SIDEWALK TIES TO OLD OR EXISTING SIDEWALK AT OTHER THAN AN EXISTING EXPANSION JOINT, THE EXISTING REINFORCING STEEL SHALL BE TIED TO THE NEW REINFORCING STEEL.
TYPICAL SIDEWALK PLAN
CITY OF EULESS
AMENDED JOINT PLACEMENT 6/01
COE-SW-1 1/01

75.


CURB
5.0% MAX.
2.0% MAX.
CJ
2.0% MAX.
LANDING
5.0' MIN.
5.0' MIN.
2.0% MAX.
TRANSITION CURB
8.33% MAX.
TRANSITION CURB
2.0% MAX.
DETECTABLE WARNING SURFACE TO BE INSTALLED FULL LENGTH AND WIDTH OF RAMP (SEE GENERAL NOTES)
BC
FC
CURB
PAVED AREA
SEE SITE PLAN FOR CROSSWALK STRIPING (IF SHOWN ON PLANS)

SIDEWALK RAMP DETAIL

NTS

REVISIONS | DATE | BY

Adams ENGINEERING

910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE
EULESS, TX

PAVING DETAILS

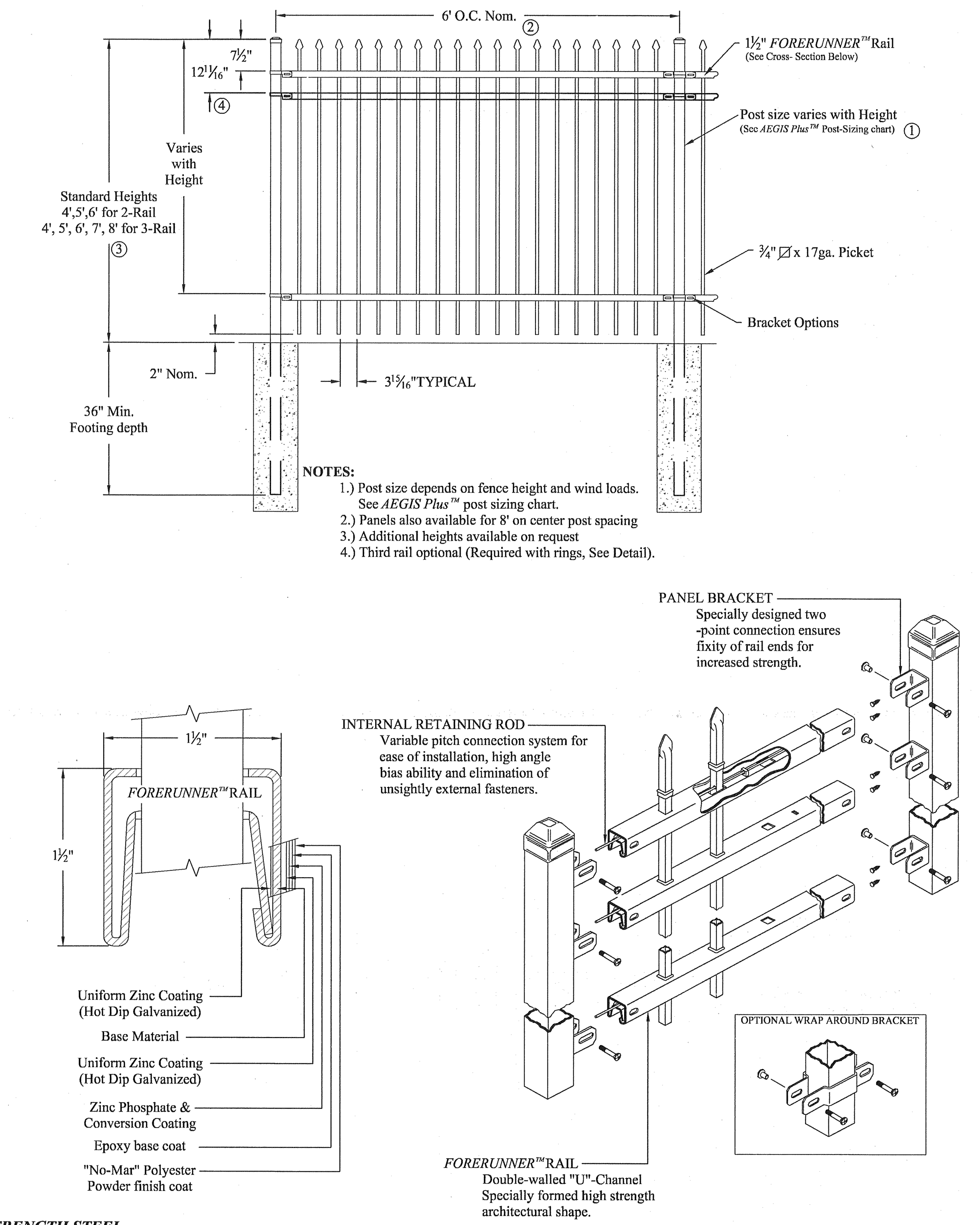
9-24-2009

STATE OF TEXAS — PAUL S. MITCHELL — 97408 — LICENSED PROFESSIONAL ENGINEER

TBPE Registration #: F-1002

PROJECT MGR. PSM
PROJECT TECH. HMV
CHECKED BY
JOB NO. 2007.240
SHEET NO. C9.1

FILENAME: C9.2 FENCE DETAILS.dwg PLOTTED BY: Heath Voyles PLOT DATE: Thursday, September 24, 2009 PLOT TIME: 2:29:43 PM PLOTTER: KIP 6000 AutoCAD.pc3



NOTES:

1.) Post size depends on fence height and wind loads. See *AEGIS Plus*™ post sizing chart.
2.) Panels also available for 8' on center post spacing
3.) Additional heights available on request
4.) Third rail optional (Required with rings, See Detail).

COMMERCIAL STRENGTH STEEL

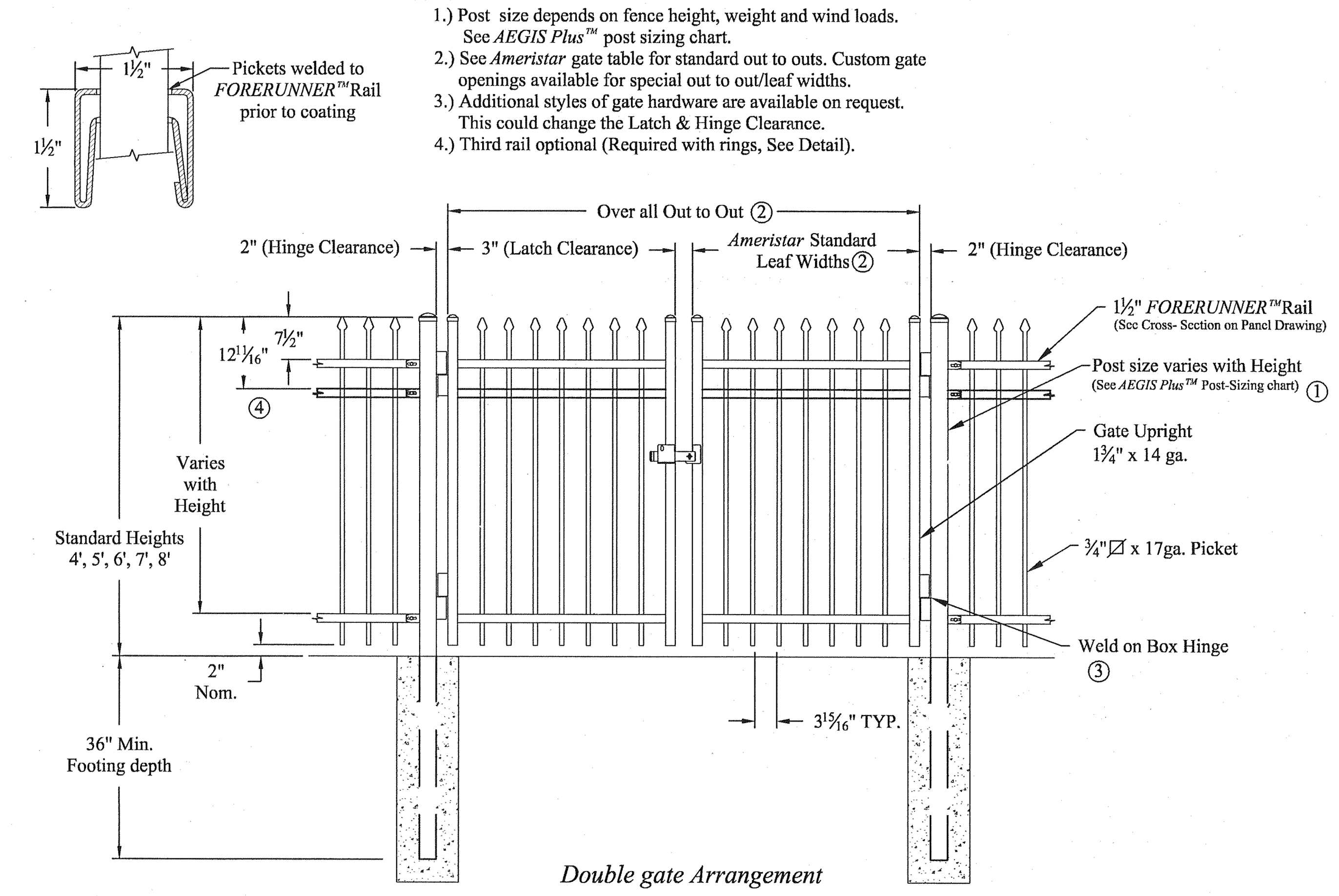
1CISO

Title: AEGIS PLUS CLASSIC 2/3-RAIL W/RING OPTION		
DR: CI	SH . 1of 1	SCALE: DO NOT SCALE
CK: PB	Date 7/20/09	REV: d

AMERISTAR®
1555 N. Mingo
Tulsa, OK 74116
1-888-333-3422
www.ameristarfence.com

NOTES:

1.) Post size depends on fence height, weight and wind loads. See *AEGIS Plus*™ post sizing chart.
2.) See *Ameristar* gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
3.) Additional styles of gate hardware are available on request. This could change the Latch & Hinge Clearance.
4.) Third rail optional (Required with rings, See Detail).



Double gate Arrangement

COMMERCIAL STRENGTH STEEL

1CISOG

Title: AEGIS PLUS CLASSIC 2/3-RAIL SGL & DBL GATE		
DR: CI	SH . 1of 1	SCALE: DO NOT SCALE
CK: PB	Date 7/20/09	REV: d

AMERISTAR®
1555 N. Mingo
Tulsa, OK 74116
1-888-333-3422
www.ameristarfence.com

REVISIONS	DATE	BY

Adams ENGINEERING
910 S. Kimball Avenue ■ Southlake, Texas 76092 ■ (817) 328-3200

REVEILLE GAS WELL LEASE EULESS, TX

FENCE DETAILS

REGISTERED LANDSCAPE ARCHITECT BEN R. HENRY 1826 STATE OF TEXAS
9.25.09

PROJECT MGR. PSM
PROJECT TECH. HMV
CHECKED BY
JOB NO. 2007.240
SHEET NO. **C9.2**

FILENAME: C9.2 FENCE DETAILS.dwg
PLOTTED BY: Heath Voyles
PLOT DATE: Thursday, September 24, 2009
PLOT TIME: 5:26:21 PM
PLOTTER: KIP 6000 AutoCAD.pc3

Behrens and Associates, Inc.
Acoustics, Noise and Vibration Consultants

September 4, 2009

Arrington Oil and Gas, Inc.
214 W. Texas Avenue
Midland, TX 79701

Attention: Scott Wilshusen

Subject: Revised Reveille Unit Drilling Operation Noise Impact Modeling Report

Dear Mr. Wilshusen:

We have completed the noise impact modeling of the Reveille Unit drilling operations and have prepared the attached isoauditory noise impact map. The isoauditory map shows the projected *unmitigated* operational noise level impact during drilling operations.

Sound Modeling Instrumentation

The noise modeling was completed with the Brüel & Kjær Predictor Version 6.2 software which meets ISO 9613.1/2 compliance requirements (an EU certified model). Operational field sound level measurements of a similar drilling rig, including frequency spectrums, were used as the foundation of the model. The drilling noise level impact was modeled while taking into consideration the topographical features and ground cover of the site and adjacent surroundings.

Sound Modeling Results

The isoauditory map shows the projected operational noise impact with during drilling operations at the Reveille unit without any noise mitigation. As can be seen in the isoauditory map, the nearest noise receptor, located approximately 170 feet to the west across Westpark Way, has a projected sound level of 67-68 dBA. The nearest noise receptor to the north, located approximately 570 feet from the site, and the south, located approximately 200 feet from the site, have a projected sound level of 59-60 dBA and 64-65 dBA, respectively. A lay-out drawing of the modeled drilling rig configuration is attached with the isoauditory map along with a graph showing the effect of wind on sound transmission.

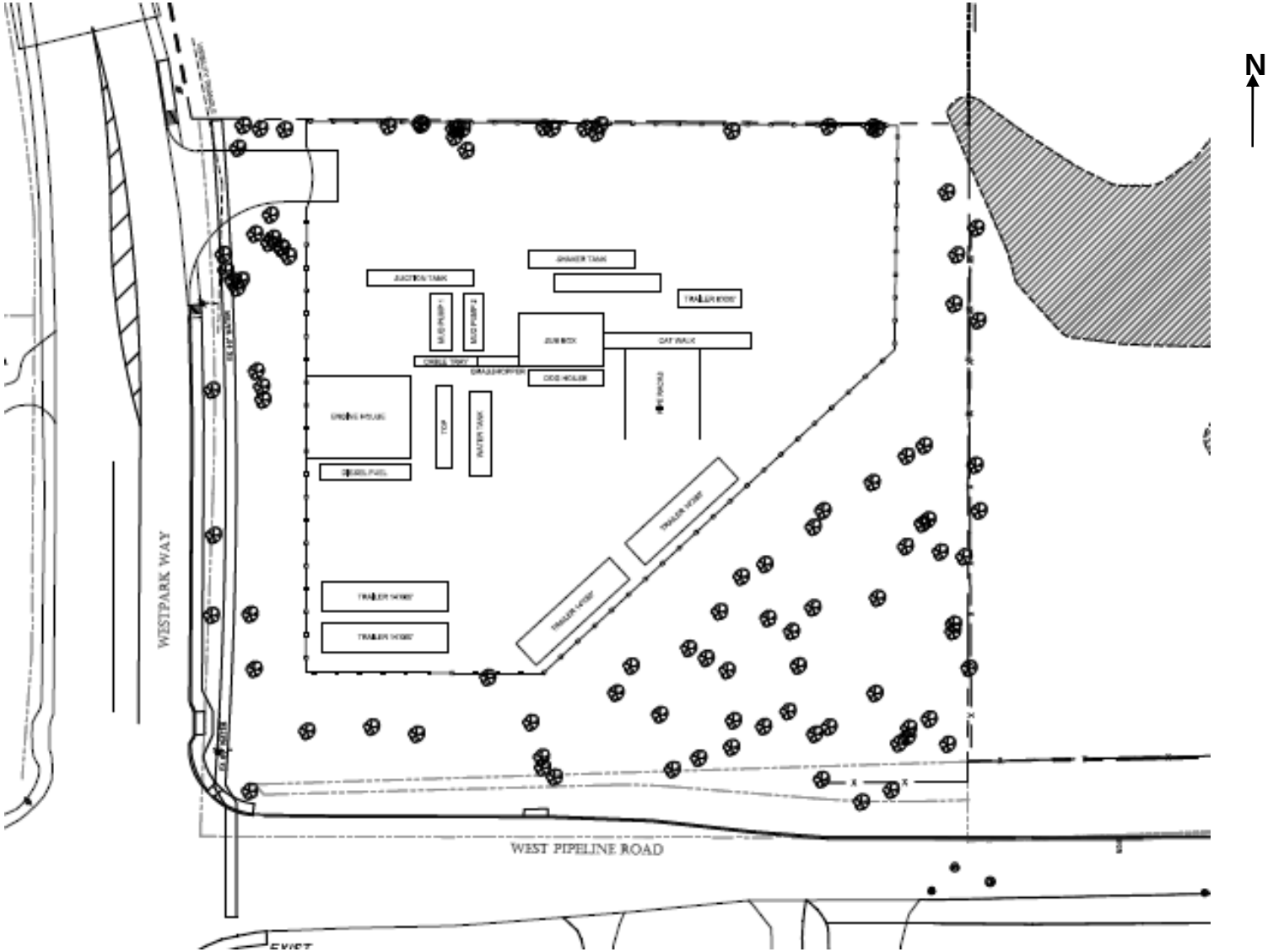
Please contact the undersigned with any questions or comments.

Very truly yours,

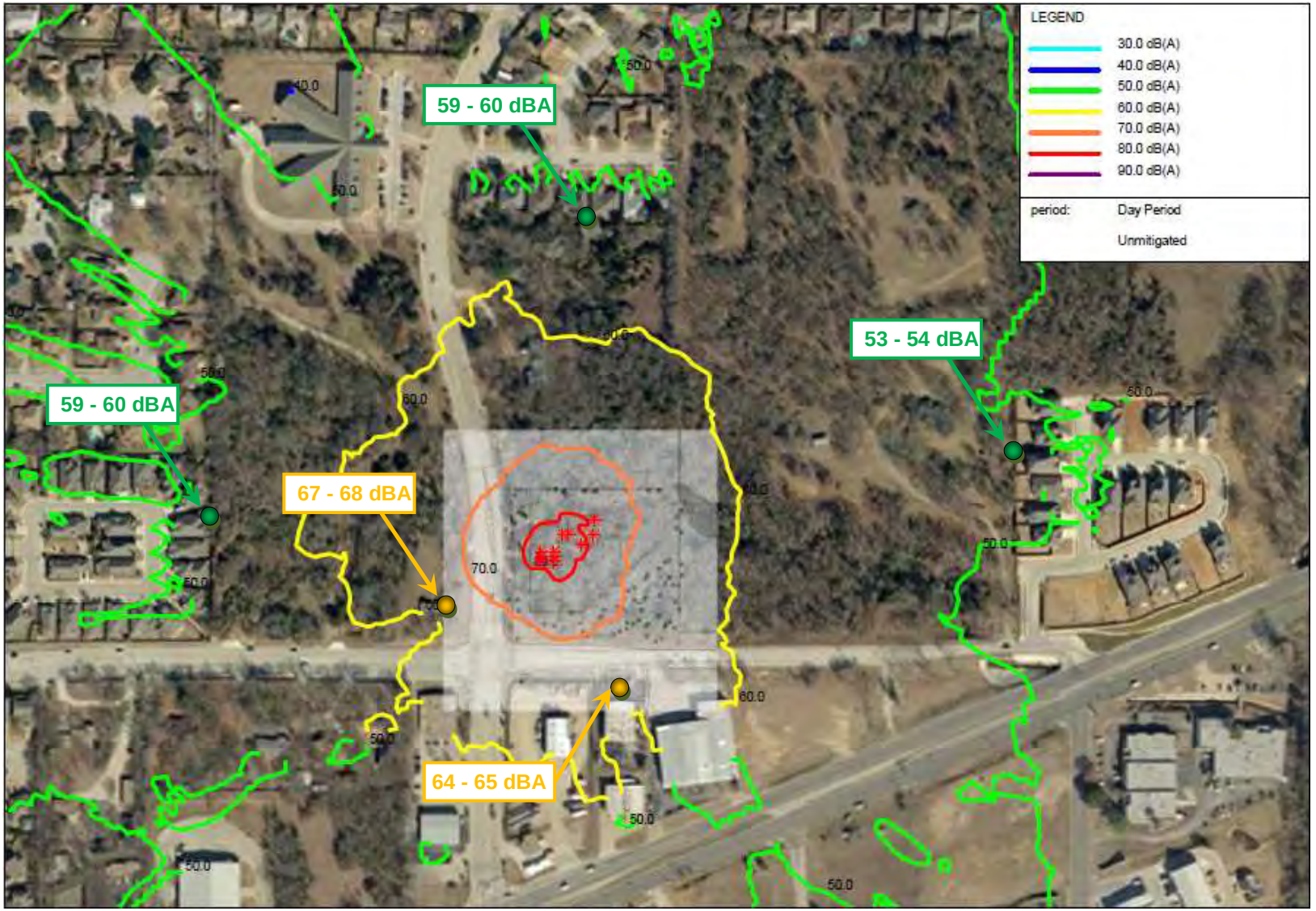
Don Behrens

Attachments

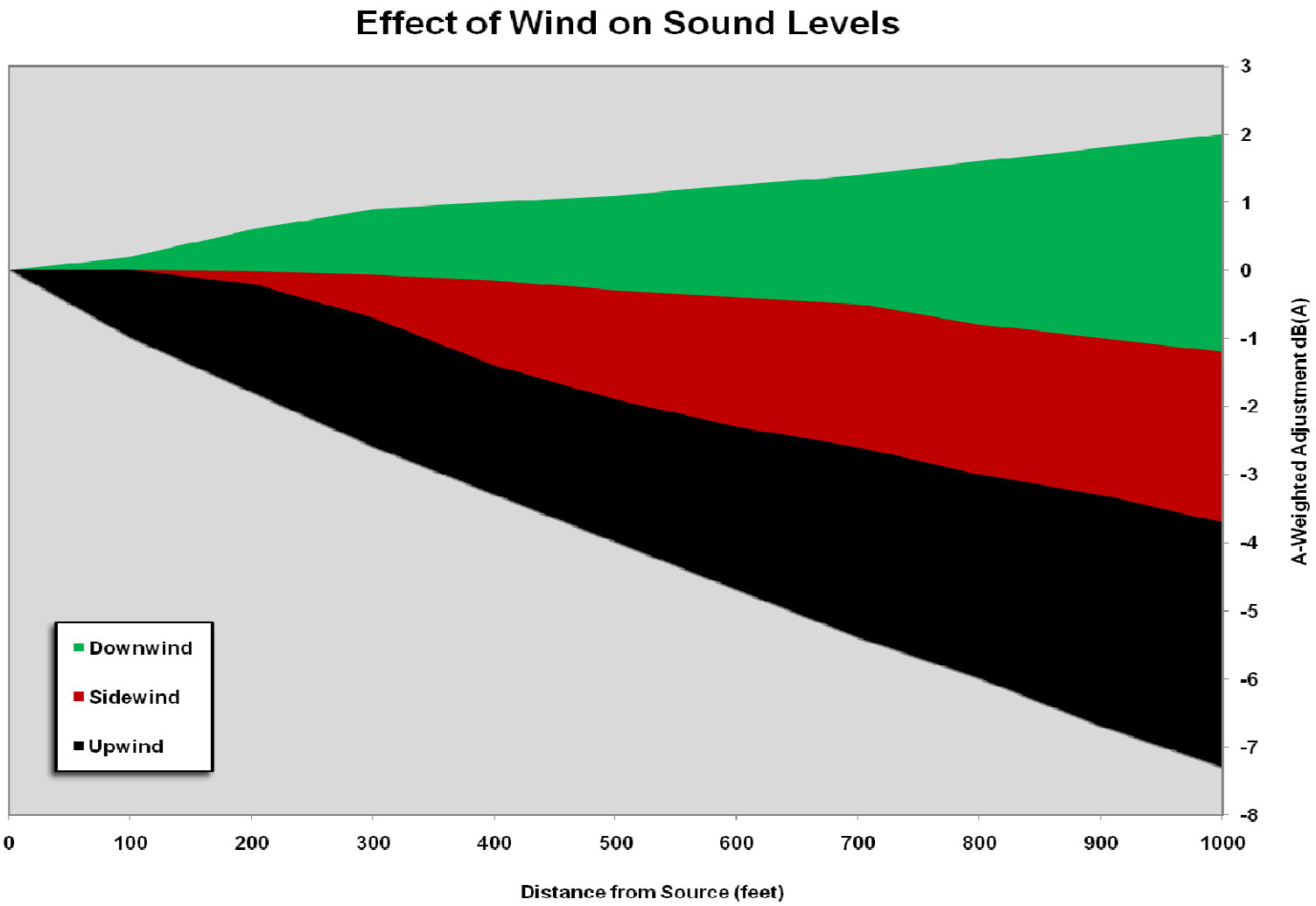
13806 Inglewood Avenue, Hawthorne ~ California 90250 ~ Telephone 800-679-8633 ~ Facsimile 310-679-8676
600 Bear Cat Road, Suite 100, Aledo ~ Texas 76008 ~ Telephone 817-441-5556 ~ Facsimile 817-441-5561
3328 David Drive, Napa ~ California 94558 ~ Telephone 707-252-9019



Reveille Unit Drilling Rig Layout



Projected Unmitigated Reveille Unit Drilling Operation Isoauditory Map


Effect of Wind on Sound Levels
Downwind
Sidewind
Upwind
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
A-Weighted Adjustment dB(A)
0
100
200
300
400
500
600
700
800
900
1000
Distance from Source (feet)

Behrens and Associates, Inc.
Acoustics, Noise and Vibration Consultants

October 5, 2009

Arrington Oil and Gas, Inc.
214 W. Texas Avenue
Midland, TX 79701

Attention: Scott Wilshusen

Subject: Revised Reveille Unit Drilling Operation Noise Impact Modeling Report with Mitigated Operational Noise Impact

Dear Mr. Wilshusen:

We have completed the noise impact modeling of the Reveille Unit drilling operations and have prepared the attached isoauditory noise impact maps. The isoauditory maps show the projected *unmitigated* and *mitigated* operational noise level impact during drilling operations.

Sound Modeling Instrumentation

The noise modeling was completed with the Brüel & Kjær Predictor Version 6.2 software which meets ISO 9613.1/2 compliance requirements (an EU certified model). Operational field sound level measurements of a similar drilling rig, including frequency spectrums, were used as the foundation of the model. The drilling noise level impact was modeled while taking into consideration the topographical features and ground cover of the site and adjacent surroundings.

Sound Modeling Results

The first isoauditory map shows the projected operational noise impact during drilling operations at the Reveille unit without any noise mitigation. The second isoauditory map shows the projected operational noise impact with a 16 foot high acoustical enclosure installed around the site's generators and mud pumps. A lay-out drawing of the modeled drilling rig and acoustical enclosure configuration is attached with the isoauditory maps along with a graph showing the effect of wind on sound transmission.

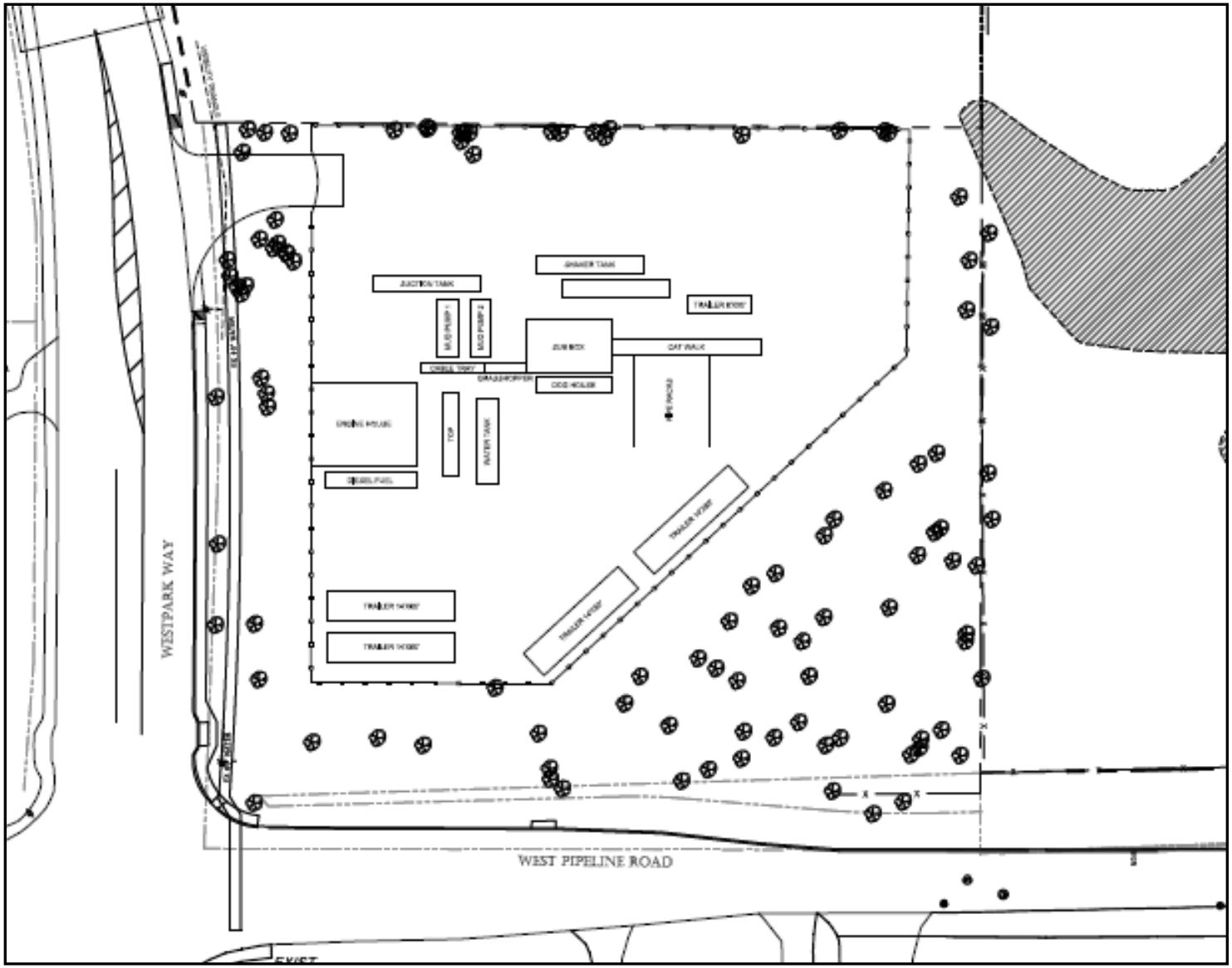
Please contact the undersigned with any questions or comments.

Very truly yours,

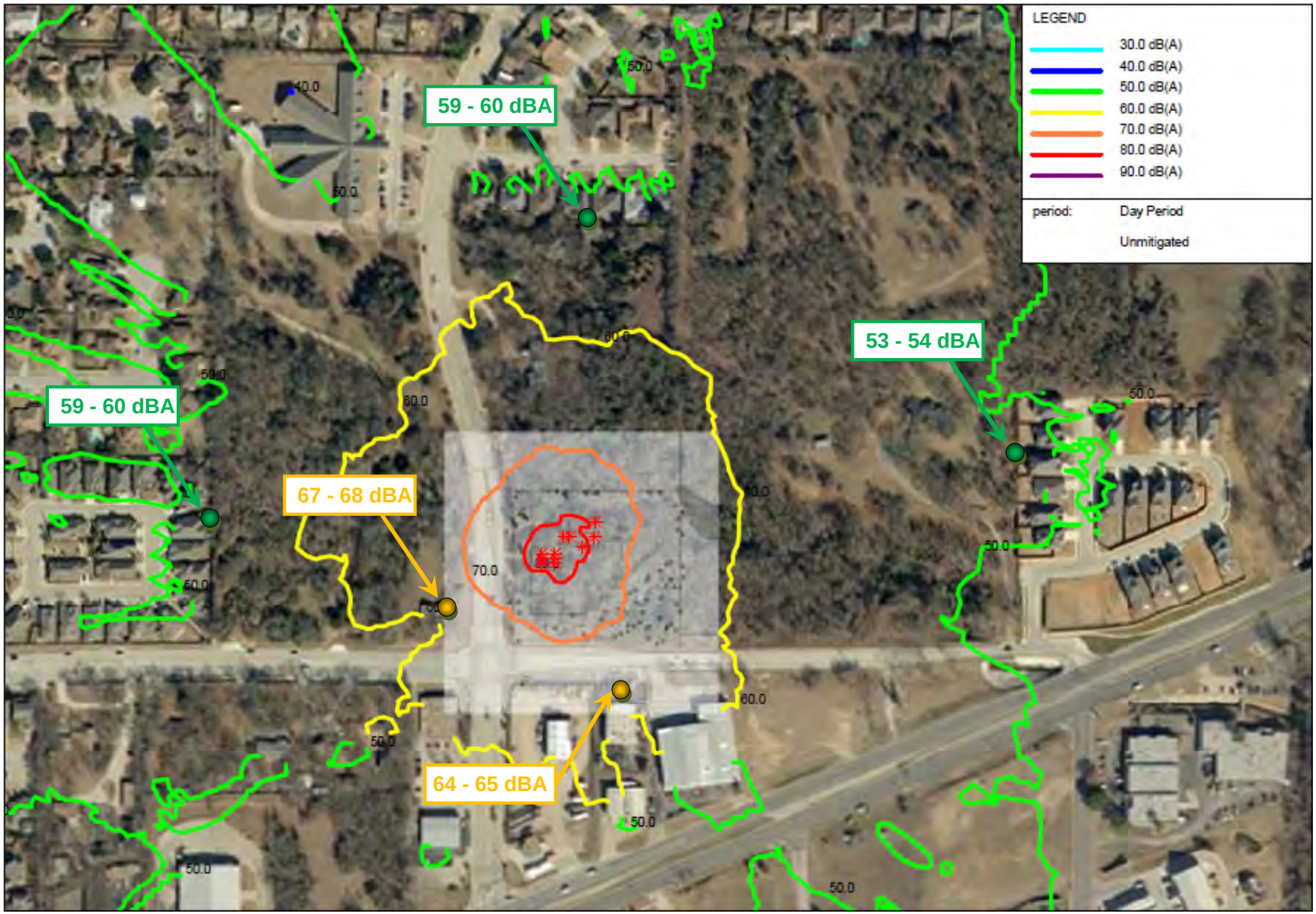
Don Behrens

Attachments

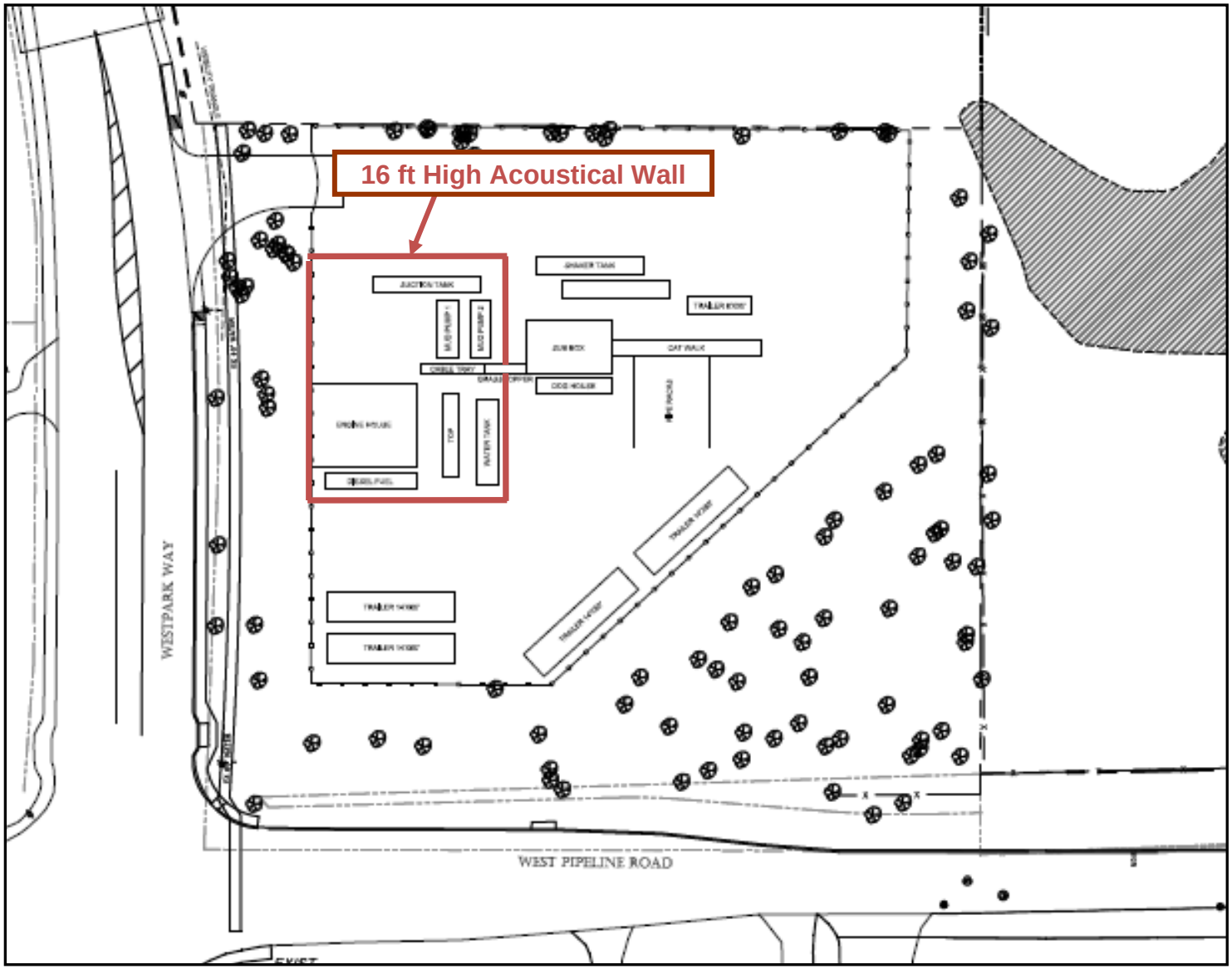
13806 Inglewood Avenue, Hawthorne ~ California 90250 ~ Telephone 800-679-8633 ~ Facsimile 310-679-8676
600 Bear Cat Road, Suite 100, Aledo ~ Texas 76008 ~ Telephone 817-441-5556 ~ Facsimile 817-441-5561
3328 David Drive, Napa ~ California 94558 ~ Telephone 707-252-9019



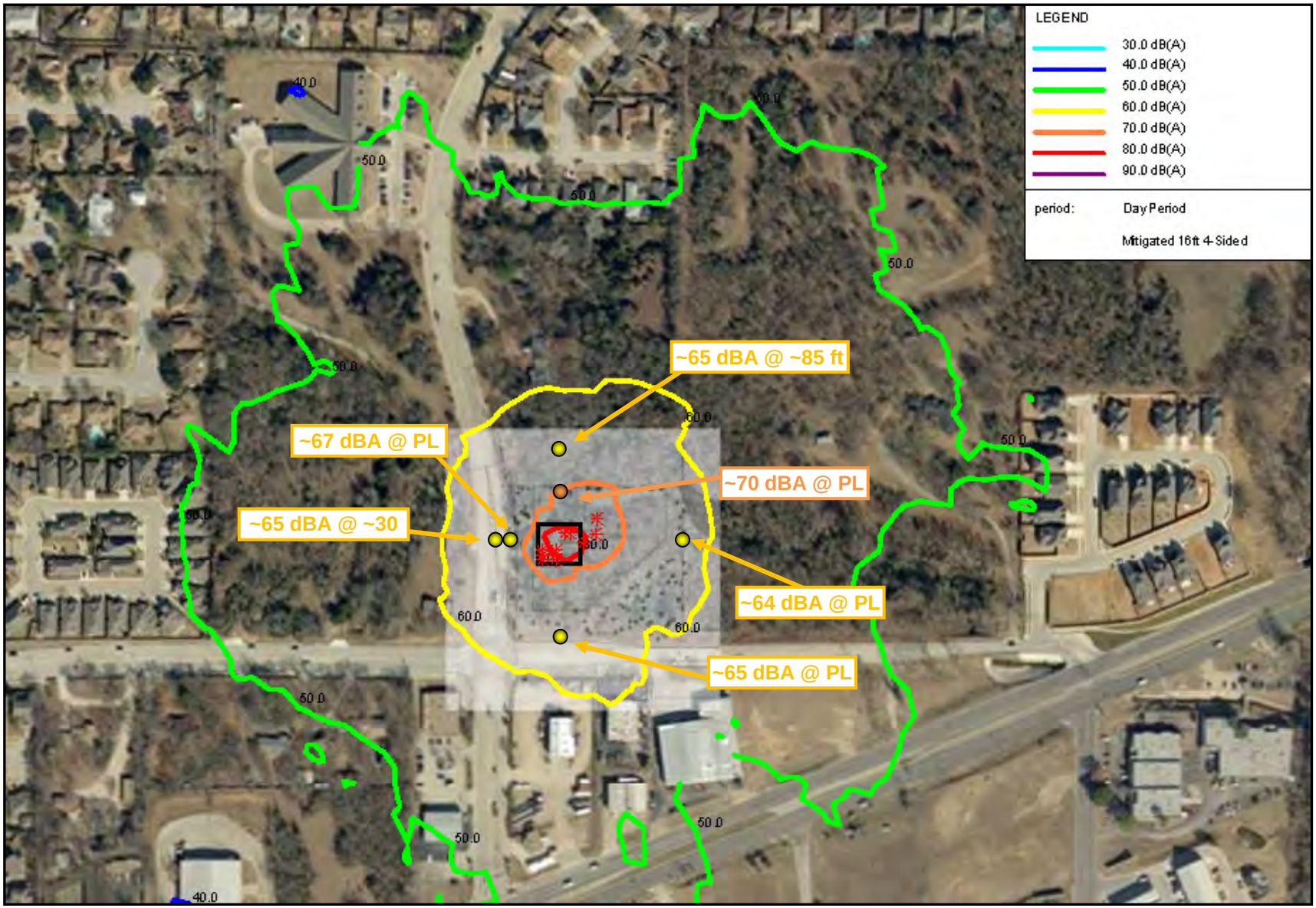
Reveille Unit Drilling Rig Layout



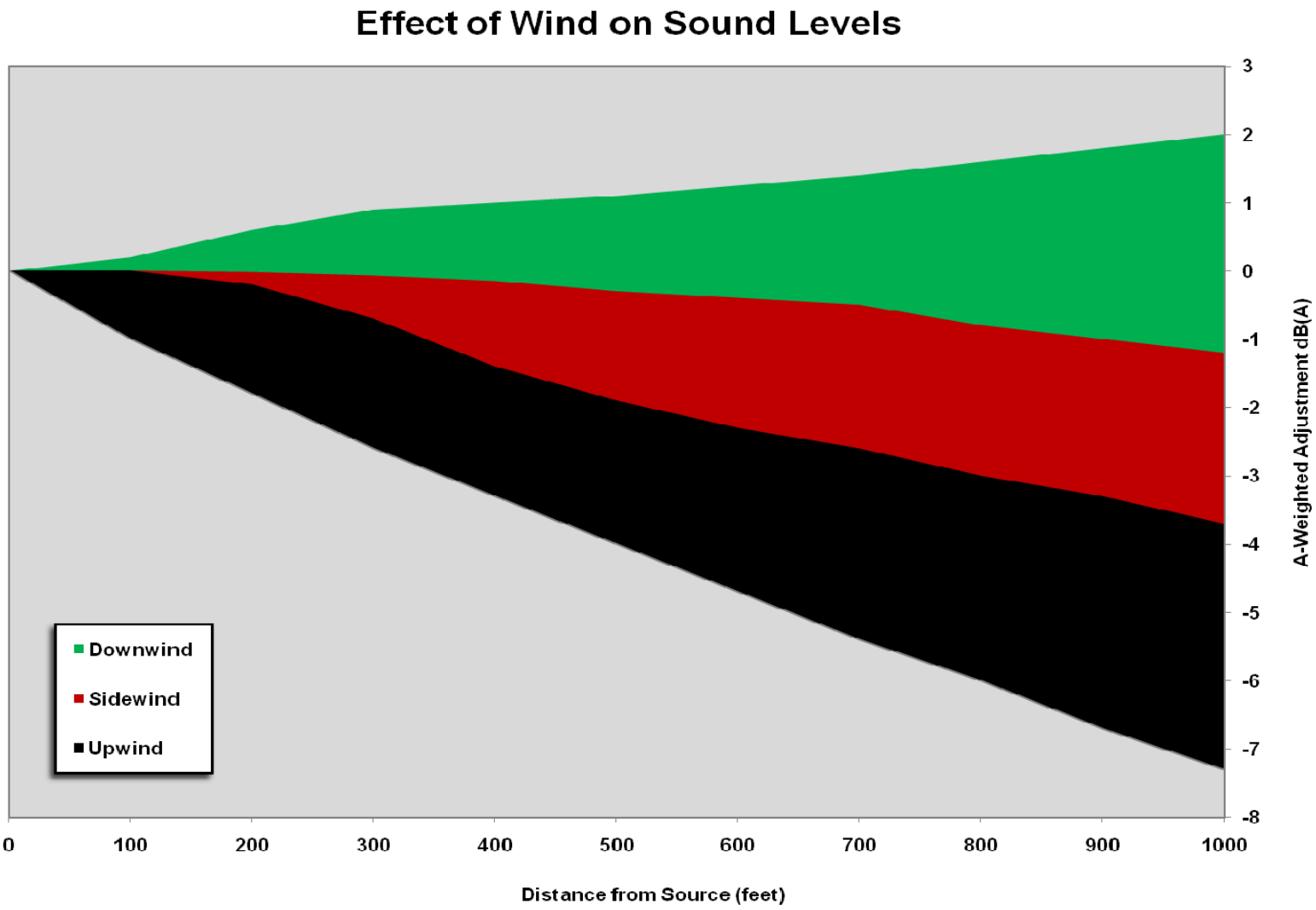
Projected Unmitigated Reveille Unit Operational Isoauditory Map



Reveille Unit Modeled Mitigation Configuration



Projected Mitigated Reveille Unit Operational Isoauditory Map


Effect of Wind on Sound Levels
Downwind
Sidewind
Upwind
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
A-Weighted Adjustment dB(A)
0
100
200
300
400
500
600
700
800
900
1000
Distance from Source (feet)