

SITE DEVELOPMENT PLANS FOR MURPHY OIL USA, INC. ROCHELLE, ILLINOIS

311 EAST HIGHWAY 38 (WAL-MART SUPERCENTER #933)

GENERAL NOTES:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- B. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- C. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- D. **WARRANTY/DISCLAIMER:**
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- E. **SAFETY NOTICE TO CONTRACTOR:**
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- F. ALL CONSTRUCTION WITHIN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT MAINTENANCE ENGINEER.
- G. ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.
- H. CONSTRUCTION AND INSTALLATION OF 1200 S.F. KIOSK, ALL UTILITY ENTRANCES, AND 2-20,000 GALLON UNDERGROUND TANKS SHALL BE IN ACCORDANCE WITH ASSOCIATED PLANS.
- I. CONTRACTOR IS NOT TO START WORK UNTIL MURPHY OIL USA HAS RECEIVED WRITTEN AUTHORIZATION FROM WAL-MART AND WAL-MART STORE MANAGER HAS BEEN CONSULTED FOR SCHEDULING AND COORDINATION.
- J. THE GENERAL CONTRACTOR TO FIELD COORDINATE THE CANOPY SIGN LOCATION WITH MURPHY'S CONSTRUCTION SUPERVISOR.
- K. STAGE II VAPOR RECOVERY SYSTEM IS NOT REQUIRED.
- L. CONTRACTOR REQUIRED TO KEEP REDLINE AS-BUILTS AND PROVIDE THOSE TO MURPHY UPON COMPLETION.
- M. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING.

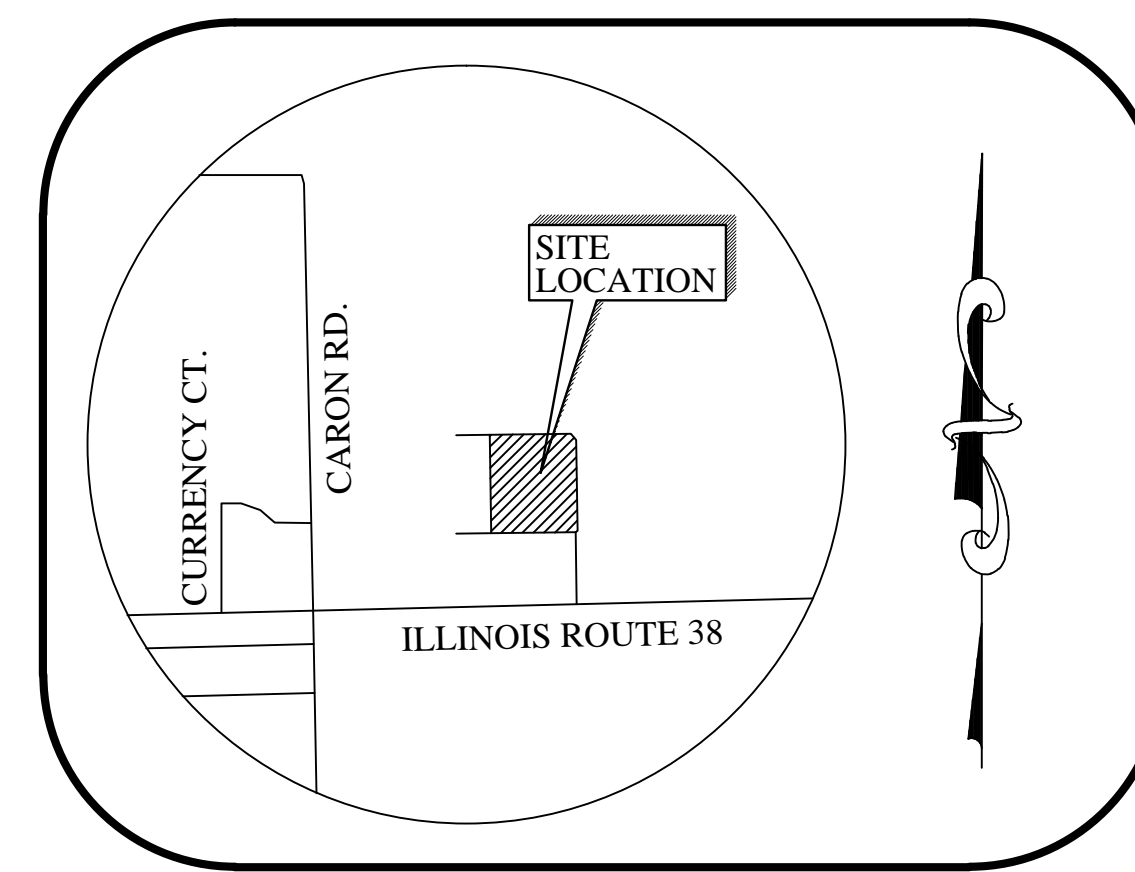
WETLANDS NOTE:

ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. ARMY CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.

FLOOD CERTIFICATION:

PER DOC #0911104 PAGE 4 OF 10 STATES THE FOLLOWING:

100 YEAR BASE FLOOD ELEVATION IS 791 NAVD 29 PER FIRM 170525-0460A AND FIRM 170525-0470A.



Vicinity Map

NOT TO SCALE

PLAN INDEX:

ENGINEER (CIVIL)

- C-0 COVER SHEET
- C-1 COMPOSITE SITE PLAN
- C-2 SITE PLAN
- S-1 SURVEY
- C-4 GRADING PLAN
- C-5 EROSION CONTROL PLAN
- C-6 DEMOLITION PLAN
- C-7 UTILITY PLAN
- C-8 PAVING PLAN
- C-9 LANDSCAPE PLAN
- C-10 IRRIGATION PLAN
- C-11 DETAIL SHEET

PHOTOMETRIC PLAN BY OTHERS

ENGINEER (TANK/PIPING)

- COVER COVER SHEET
- FS-1 SPECIFICATIONS
- FS-2 SPECIFICATIONS
- FS-3 SPECIFICATIONS
- F-1 NOTES AND PART LIST
- F-2 PARTIAL SITE/PAVING PLAN
- F-3 N.E.C CLASSIFIED AREAS
- F-4 STANDARD YARD AND DRIVE DETAILS
- F-5 PRODUCT PIPING PLAN
- F-6 TANK ANCHORING DETAILS
- F-7 TANK INSTALLATION AND RISER DETAILS
- F-8 TANK SUMPS
- F-9 TANK VENTING AND OBSERVATION WELL DETAILS
- F-10 UPP PETROTECHNIK PIPING SOLUTION
- FE-1 CONDUIT PLAN, PUMPS AND DISPENSER WIRING
- FE-2 PUMPS AND DISPENSER CONTROL WIRING DIAGRAM
- FD-1 40" GILBARCO ENCORE 2 PRODUCT DISPENSER DETAILS
- FD-2 40" GILBARCO ENCORE DIESEL DISPENSER DETAILS
- FL-1 SIGNAGE PLACEMENT STANDARD
- FL-2 STANDARD LABELING DETAILS
- FC-1 BUILDING AND CANOPY LAYOUT/ELEVATIONS AND DETAILS

MANUFACTURER (BUILDING)

- CS1 COVER SHEET
- E-1 EXTERIOR ELEVATIONS
- E-2 FLOOR PLAN
- E-3 FRAMING PLANS DETAILS
- E-4 SECTIONS
- E-5 SECTIONS
- E-6 INTERIOR ELEVATIONS
- EL-1 ELECTRICAL LIGHTING PLAN
- EL-2 ELECTRICAL DETAILS
- EL-3 ELECTRICAL PANEL SCHEDULE
- P-1 PLUMBING PLAN
- M-1 MECHANICAL ROOF PLAN
- F-1 FOUNDATION PLAN
- GC1 GC SCOPE OF WORKSHEET

MANUFACTURER (CANOPY)

- E-1 FRAMING PLAN
- E-2 ELEVATIONS
- E-3 LIGHTING AND SOFFIT LAYOUT
- E-4 SECTIONS
- E-5 SECTIONS
- F-1 FOUNDATION PLAN

RESOURCE LIST:

ZONING
BUILDING AND ZONING DIVISION
CITY OF ROCHELLE
420 NORTH 6TH STREET
ROCHELLE, ILLINOIS 61068
CONTACT: KIP COUNTRYMAN
PHONE: (815) 561-2022
FAX: (815) 562-4178

CITY ENGINEER
CITY OF ROCHELLE
420 NORTH 6TH STREET
ROCHELLE, ILLINOIS 61068
CONTACT: SAM TESREAU, P.E.
PHONE: (815) 562-8717
FAX: (815) 562-4178

STORMWATER
CITY OF ROCHELLE
420 NORTH 6TH STREET
ROCHELLE, ILLINOIS 61068
CONTACT: SAM TESREAU, P.E.
PHONE: (815) 561-2023
FAX: (815) 562-4178

ELECTRIC
COMMONWEALTH EDISON (COMED)
P.O. BOX 805379
CHICAGO, IL 60680-5379
PHONE: (800) 334-7661

WATER AND SEWER
ROCHELLE MUNICIPAL UTILITIES
333 LINCOLN HIGHWAY
ROCHELLE, ILLINOIS 61068
CONTACT: KATHY COOPER
PHONE: (815) 562-2761
FAX: (815) 562-5661

MURPHY
200 PEACH STREET
EL DORADO, AR 71730
CONTACT: BASSAM ZIADA
(PROJECT MANAGER)
OFFICE: (870) 875-7636
FAX: (870) 881-6628
CELL: (870) 677-0481

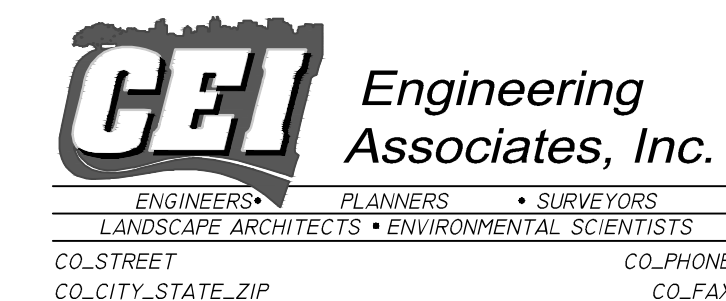
TELEPHONE
AT&T
1678 EDGEWATER DRIVE
ALGONQUIN, IL 60102
PHONE: (847) 854-4435

GAS
NICOR
1844 FERRY ROAD
NAPERVILLE, IL 60563-9600
PHONE: (888) 642-6748

AGENCY	DATE
PLANNING & ZONING (CITY OF ROCHELLE)	_____
STORMWATER (CITY OF ROCHELLE)	_____
BUILDING (CITY OF ROCHELLE)	_____
NPDES	_____
COMMONWEALTH EDISON (COMED)	_____

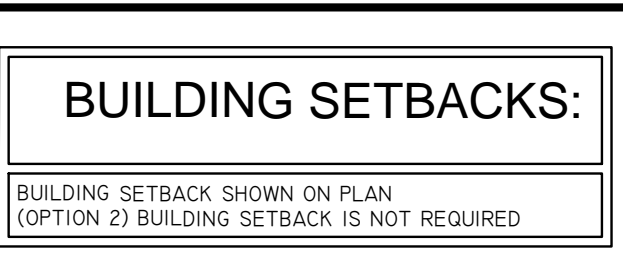
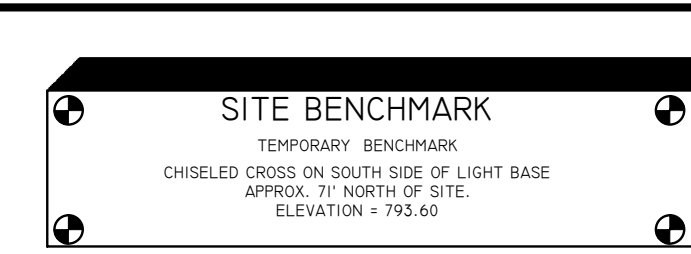
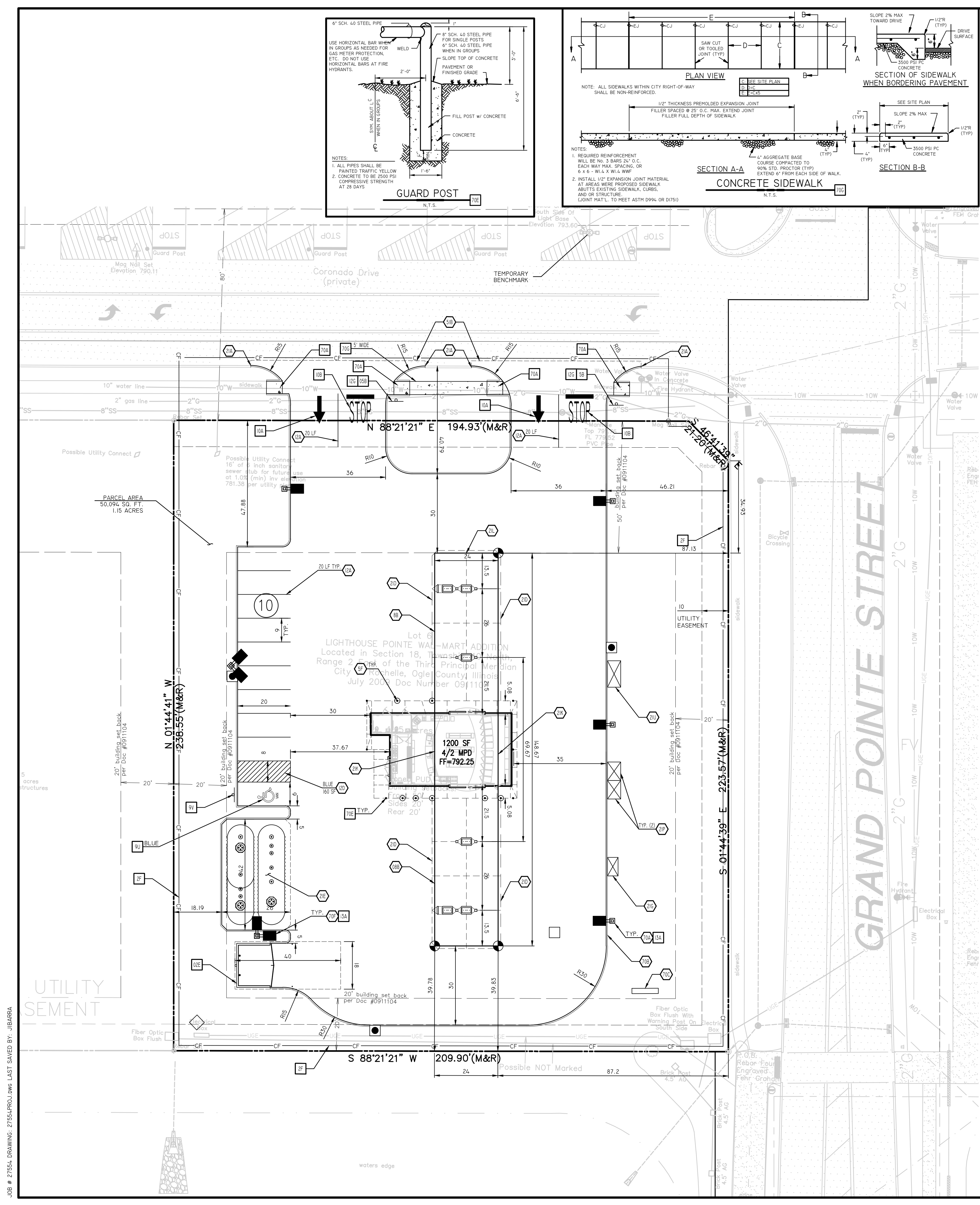
BASED ON A DRAWING BY: CEI ENGINEERING 3030 LBJ FREEWAY #100 DALLAS, TX 75234 PHONE: (972) 488-3737 DATE: 04/19/13	BASED ON A SURVEY BY: CB&M SURVEY'S, INC. PO BOX 487 429 NE A ST. LINTON, IN 47441 PHONE: (812) 847-1952 DATE: 03/06/13
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REVISION	DATE	DESCRIPTION
REV-0	04-19-13	INITIAL BIDSET



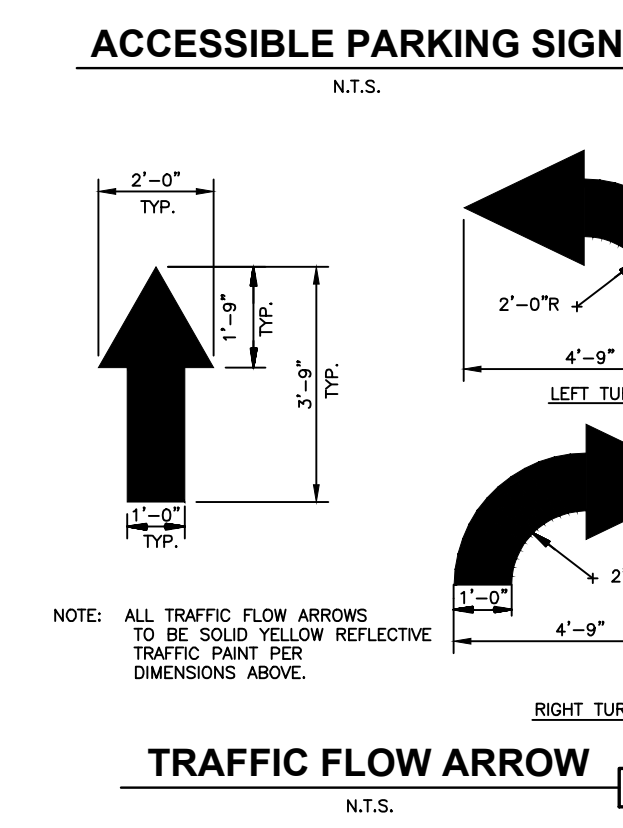
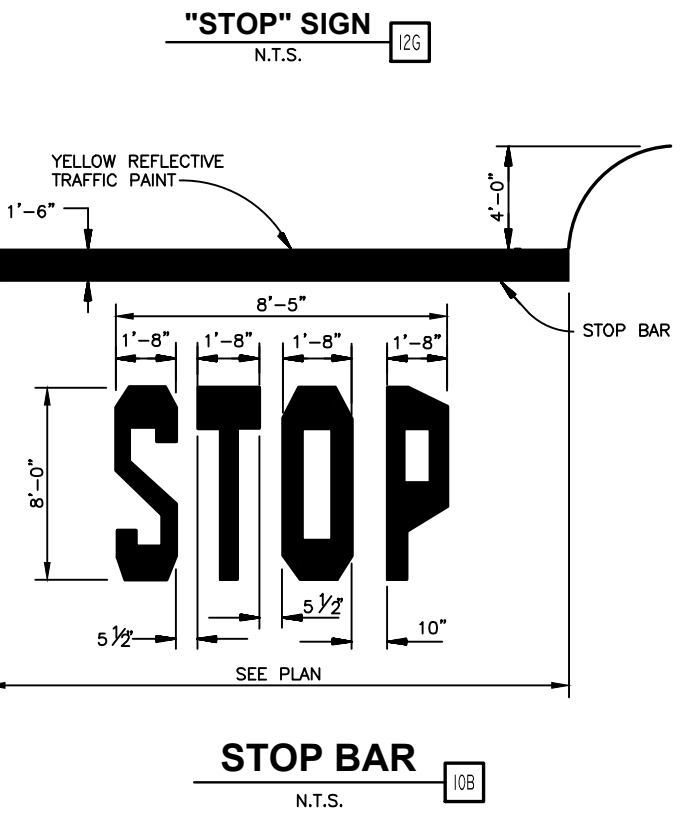
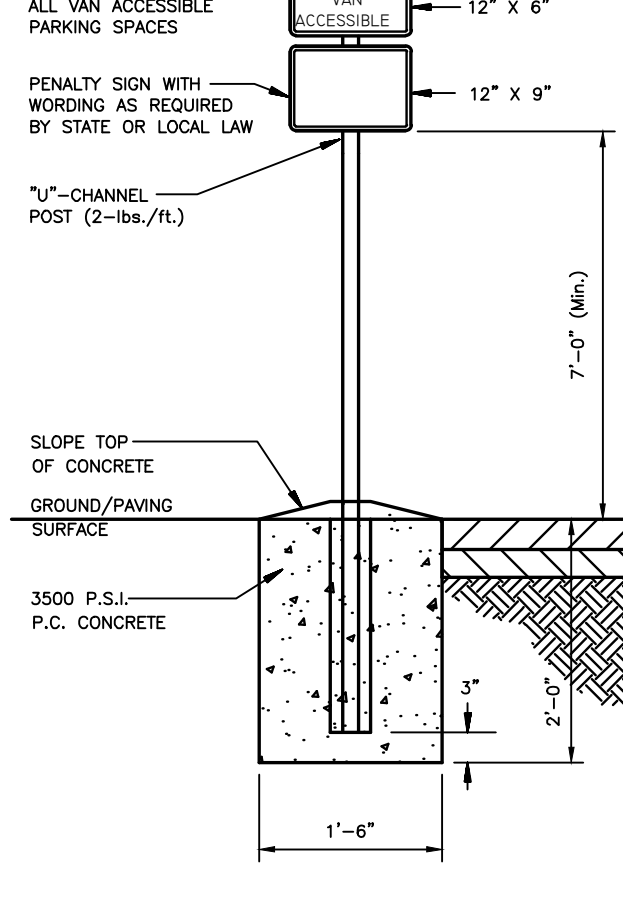
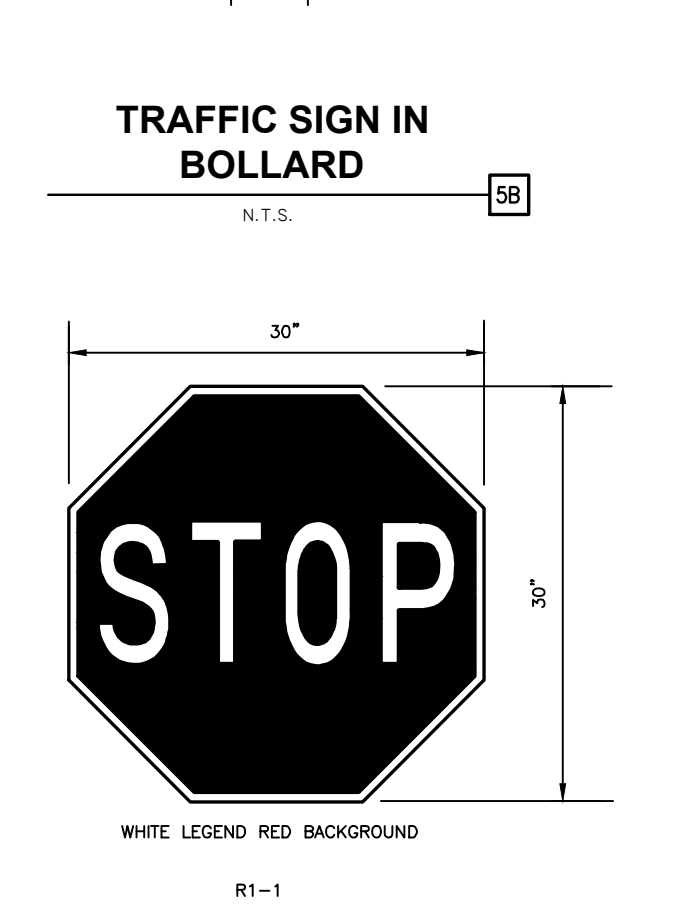
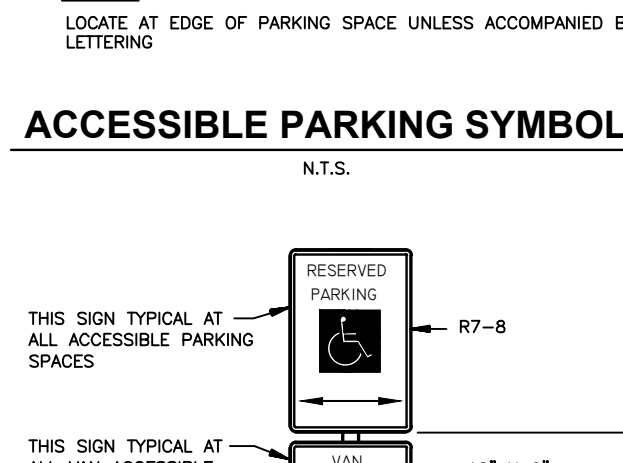
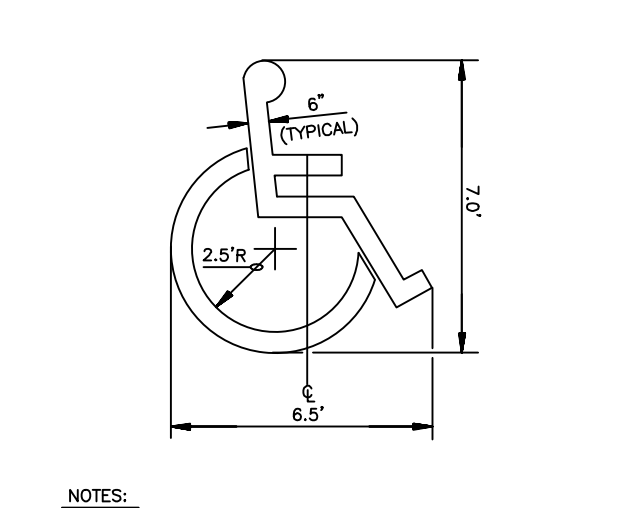
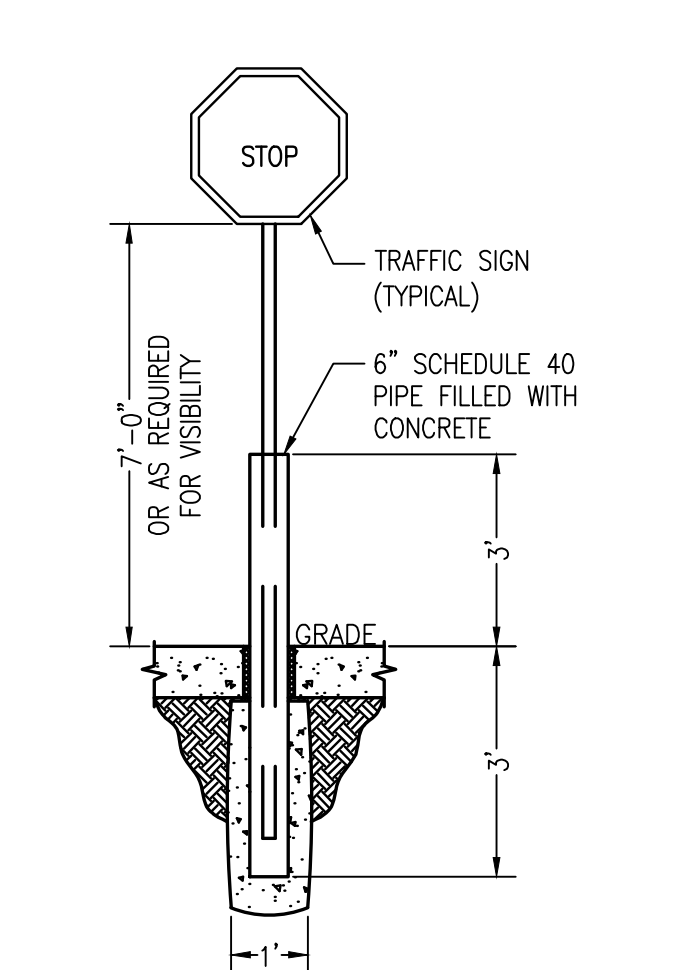
ARKANSAS * CALIFORNIA * GEORGIA * TEXAS * PENNSYLVANIA * MINNESOTA

JOB NO.: 27554
DWG NAME: 27554.PROJ
DATE: 4/19/13
SHEET NO.: C-0



811
Know what's below.
Call before you dig.

SCALE IN FEET



EXISTING		PROPOSED	
---	BOUNDARY LINE	---	CONCRETE CURB AND GUTTER
---	EXISTING BUILDING	---	CONSTRUCTION FENCE (SEE DETAIL SHEET C-6)
---	LAND LOT LINE (LLL)		
---	PROPERTY LINE		
---	UTILITY POLE (UP), OVERHEAD LINES & GUY		
---	TREE LINE		
---	SANITARY SEWER MANHOLE (SSMH)		
---	SANITARY CLEAN-OUT (SCO)		
---	TELEPHONE MANHOLE OR PEDESTAL		
---	STORM DRAIN PIPE WITH HEADMALL		
---	DOUBLE-WING CATCH BASIN		
---	SINGLE-WING CATCH BASIN		
---	JUNCTION BOX (JB)		
---	DROP OR CURB INLET (DI OR CI)		
---	DRAINAGE DITCH OR SWALE		
---	EXISTING 5 FOOT CONTOUR		
---	EXISTING 1 FOOT CONTOUR		
---	EXISTING GRADE SPOT ELEVATION		
---	DIRECTION OF SURFACE FLOW		
---	RECORDED DATA		
---	PARKING SPACE COUNT		
---	LIGHT POLE (LP)		
---	ELECTRICAL TRANSFORMER BOX		
---	FIRE HYDRANT		
---	WATER VALVE		
---	GAS VALVE		
---	WATER METER		
---	GAS METER		
---	WELL		
---	MONITORING WELL		
---	POST INDICATOR VALVE		
---	MAILBOX		
---	STREET SIGN		
---	UNKNOWN UTILITY STUB OUT		
---	CONCRETE		
---	UNKNOWN UTILITY STUB OUT		
---	RIGHT-OF-WAY		
---	STORM DRAIN		
---	REBAR PIN FOUND		
---	OPEN TOP PIPE FOUND		
---	CRIMP TOP PIPE FOUND		
---	CONCRETE MONUMENT FOUND		
---	ROD FOUND		
---	BRASS DISK FOUND		
---	AXLE FOUND		
---	REBAR PIN SET		

GENERAL SITE NOTES

- ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL CURB RETURN RADI SHALL BE 2', AS SHOWN TYPICAL ON THIS PLAN, UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON ALL CURB AND GUTTER ADJACENT TO ASPHALT PAVING SHALL BE INSTALLED PER DETAIL 1A SHEET C-8.
PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PAVING PLAN OVER THE ENTIRE PARKING LOT AREA AND ALL APPROACH DRIVES.
SEE ASSOCIATED PLANS FOR CANOPY, COLUMN, PUMP ISLAND DETAILS AND LAYOUT.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
- IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE WAL-MART TRAFFIC FLOW OR ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH THE WAL-MART CONSTRUCTION/STORE MANAGER AND/OR ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING DOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- ALL WAL-MART PROPERTY DAMAGED DUE TO CONSTRUCTION ACTIVITIES MUST BE REPLACED/RESTORED TO MATCH THE EXISTING TYPE AND QUALITY OF WORK AND MATERIALS, AND IS SUBJECT TO WAL-MART APPROVAL.
- CONTRACTOR TO PROTECT EXISTING LANDSCAPE/IRRIGATION MATERIAL.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED, IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDDED/SOODED, FERTILIZED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE MURPHY STATION WILL NOT DROP THE WAL-MART GREEN SPACE BELOW CITY REQUIREMENTS.
- CONTRACTOR IS TO VERIFY LOCATION OF WAL-MART IRRIGATION SYSTEM, VALVE BOXES, CONTROL BOXES, BACKFLOW PREVENTION DEVICES AND OTHER ITEMS WHICH ARE PART OF THE SYSTEM, IF DAMAGES THEY MUST BE REPAIRED AT CONTRACTOR'S COST.
- THE LOCATION OF THE CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY, THE CONTRACTOR IS TO ENSURE THAT THE CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.

EXISTING

PROPOSED

GENERAL SITE NOTES

CONTRACTOR IS TO VERIFY LOCATION OF WAL-MART IRRIGATION SYSTEM, VALVE BOXES, CONTROL BOXES, BACKFLOW PREVENTION DEVICES AND OTHER ITEMS WHICH ARE PART OF THE SYSTEM, IF DAMAGES THEY MUST BE REPAIRED AT CONTRACTOR'S COST.

THE LOCATION OF THE CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY, THE CONTRACTOR IS TO ENSURE THAT THE CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.

- SITE NOTES**
- 5F POLYURETHANE BOLLARD
 - 5B OVERHEAD CANOPY - (TYP. PER ARCH. PLANS)
 - 12A 4 INCH TRAFFIC YELLOW LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
 - 12D 4 INCH WIDE PAINTED STRIPES. 2.0 FOOT O.C. @ 45 DEGREES (SEE SIZE INDICATED AT SYMBOL)
 - 21D TAPER CURB TO MATCH EXISTING CURB
 - 21E EDGE OF CONCRETE SLAB (PER TANK AND PIPING PLAN).
 - 21G UNDERGROUND STORAGE TANKS (2 - 20,000 GAL).
 - 21K MURPHY ID SIGN
 - 21K PRICE SIGN
 - 21P 5' x 7' ICE UNIT
 - 21U 5' x 10' PROPANE PAD.
 - 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL.
 - 70A SINGLE HEAD LIGHT POLE (4 EACH STANDARD)
 - 70B PROPOSED WATER KIOSK
 - 70C MONUMENT SIGN (PER ARCH. PLANS)
 - 70F DOUBLE HEAD LIGHT POLE

- SITE DETAILS**
- 2F MASONRY DUMPSER ENCLOSURE (SEE DETAILS SHEET C-6)
 - 2E CONSTRUCTION FENCE (SEE DETAILS SHEET C-6)
 - 3D CONCRETE SIDEWALK (SEE DETAILS SHEET C-11)
 - 5B TRAFFIC SIGN IN BOLLARD
 - 9D ACCESSIBLE PARKING SYMBOL (SEE PAINT COLOR INDICATED AT SYMBOL)
 - 9V TRAFFIC FLOW ARROW (TYP.)
 - 10A STOP BAR (TYP.)
 - 12C "STOP" SIGN
 - 13A SITE LIGHT POLE. SEE PHOTOMETRIC PLANS FOR TYPE
 - 70E GUARD POST (SINGLE)
 - 70G CONCRETE SIDEWALK

SHEET NO. C-2

Engineering Associates, Inc.
3100 LEBLANC AVENUE, SUITE 100
DALLAS, TX 75244
PHONE: (972) 488-3737
FAX: (972) 488-6732
JOB NO.: 27554

MURPHY OIL U.S.A. INC.
200 PEACH STREET
P.O. BOX 7000
EL DORADO, AR 71730-7000

MURPHY OIL U.S.A.

REVISIONS:

DATE	BY	DESCRIPTION
4/19/13	EWY	DPOR
	EWY	PM
	EWY	DES
	EWY	DRW

ILLINOIS

ALTA/ACSM LAND TITLE SURVEY

CERTIFICATE OF SURVEY
 I, James C. Tibbett, hereby certify that I am a Licensed Land Surveyor, in accordance with the laws of the State of Illinois, that the following plat and description represent a survey completed by me on February 01, 2013, updated title commitment on March 06, 2013, that all monuments actually exist, and that their types and locations are, to the best of my knowledge, accurately shown.

Prepared for: The following survey is a re-confirmation survey of Lot 6 location in Lighthouse Pointe Wal-Mart Addition located in Section 18, Township 40 North, Range 2 East of the Third Principal Meridian, City of Rochelle, Ogle County, Illinois. This work was done at the request of CEI Engineering for Murphy Oil.

ALTA/ACSM Land Title Survey Certification
 I hereby certify to Wal-Mart Stores, Inc. Murphy Oil USA, Inc. and Stewart national title services, that the survey prepared by me entitled CS2029 Rochelle, IL, was actually made upon the ground and this is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 16, 17, and 18 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 Illinois, the Relative Positional Accuracy of this survey does not exceed that which is specified therein.

DESCRIPTION
 Lot Number 6 of the final PUD plat for Lighthouse Pointe Wal-Mart Addition located in Section 18, Township 40 North, Range 2 East of the Third Principal Meridian, City of Rochelle, Ogle County, Illinois, said plat being filed as 2009091104 in Book "D", Volume 10, page 36 in the Recorder's Office of Ogle County, Illinois.

Wal-Mart / Murphy Oil USA - Metes and Bounds DESCRIPTION (reads clockwise)
 Beginning at a rebar found engraved as FEH Graham located at the southeast corner of Lot Number 6 of Lighthouse Pointe Wal-Mart Addition, located in Section 18, Township 40 North, Range 2 East of the Third Principal Meridian, City of Rochelle, Ogle County, Illinois July 2009 as Document Number 091104, then North 88 degrees 21 minutes 21 seconds West along and with the south line of Lot 5 a distance of 209.20 feet to a monument set with engraved James Tibbett 035-003652 hereon referred to as a monument marking the common corner between Lot 5 and said Lot 6; thence North 01 degrees 44 minutes 41 seconds West along and with the divide line between said Lot 5 and said Lot 6 a distance of 238.55 feet to a monument set, thence North 88 degrees 21 minutes 21 seconds East along and with the south line of Coronado private Drive a distance of 194.93 feet to a mag nail set; thence South 46 degrees 41 minutes 36 seconds East a distance of 21.20 feet to a monument set on the west line of Grand Pointe private Street; thence South 01 degrees 44 minutes 39 seconds East along and with the west line of said Grand Pointe Street a distance of 223.57 feet to the point of beginning and containing 1.15 acres more or less.

This description was written by James C. Tibbett, P.L.S. 80810029, President of CB & M Surveyors, Inc., located at 429 N.E. A Street, Linton, Indiana.

This survey meets the 2011 minimum standard detail requirements for an ALTA/ACSM Land Title Survey, effective February 23, 2011.

The following monuments, deeds of record, and surveys were used to perform this survey. The following list of surveys and/or documents are hereby incorporated into this survey documentation. To have a better understanding of the reasons a monument was placed or accepted or not accepted, will require that you read the surveys and/or documents listed below or shown on the attached plat of survey. The subject description is only one piece of the puzzle that has to fit within a limited area. The limited area contains other parcel descriptions and monumentation and the size of this area may not always agree with the written descriptions.

- The recorded plat of Lighthouse Pointe Wal-Mart Addition, located in Section 18, Township 40 North, Range 2 East of the Third Principal Meridian, City of Rochelle, Ogle County, Illinois, July 2009 as Document Number 091104.
- The plat of Lighthouse Pointe Second Addition, subdivision located in Section 18, Township 40 North, Range 2 East of the Third Principal Meridian, Ogle County, Illinois, December 2011, recorded as Document Number 201201200498.
- ALTA Survey of the Wal-Mart parcel done by CMT, dated 09-13-2010. This document is 27 pages for the Wal-Mart site construction plans.

The following opinions come from a licensed land surveyor of the State of Indiana and NOT a licensed ATTORNEY, any and all title issues should be cross referenced with a land title attorney for any and all legal opinions on property rights. This survey and the surveyor's report was done WITHOUT the benefit of an updated title commitment thereby there may be documents NOT found in the Courthouse that may have an effect on this survey and there may be private agreements, not shown on this survey.

Redact Statement:
 I affirm, under the penalties of perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.

Prepared by:
 Surveyor's Signature:
 James C. Tibbett, P.L.S.
 Indiana Registry # LS80910029
 Illinois Registry # 035-003652
 Ohio Registry # 8332
 Kentucky Registry # 3942

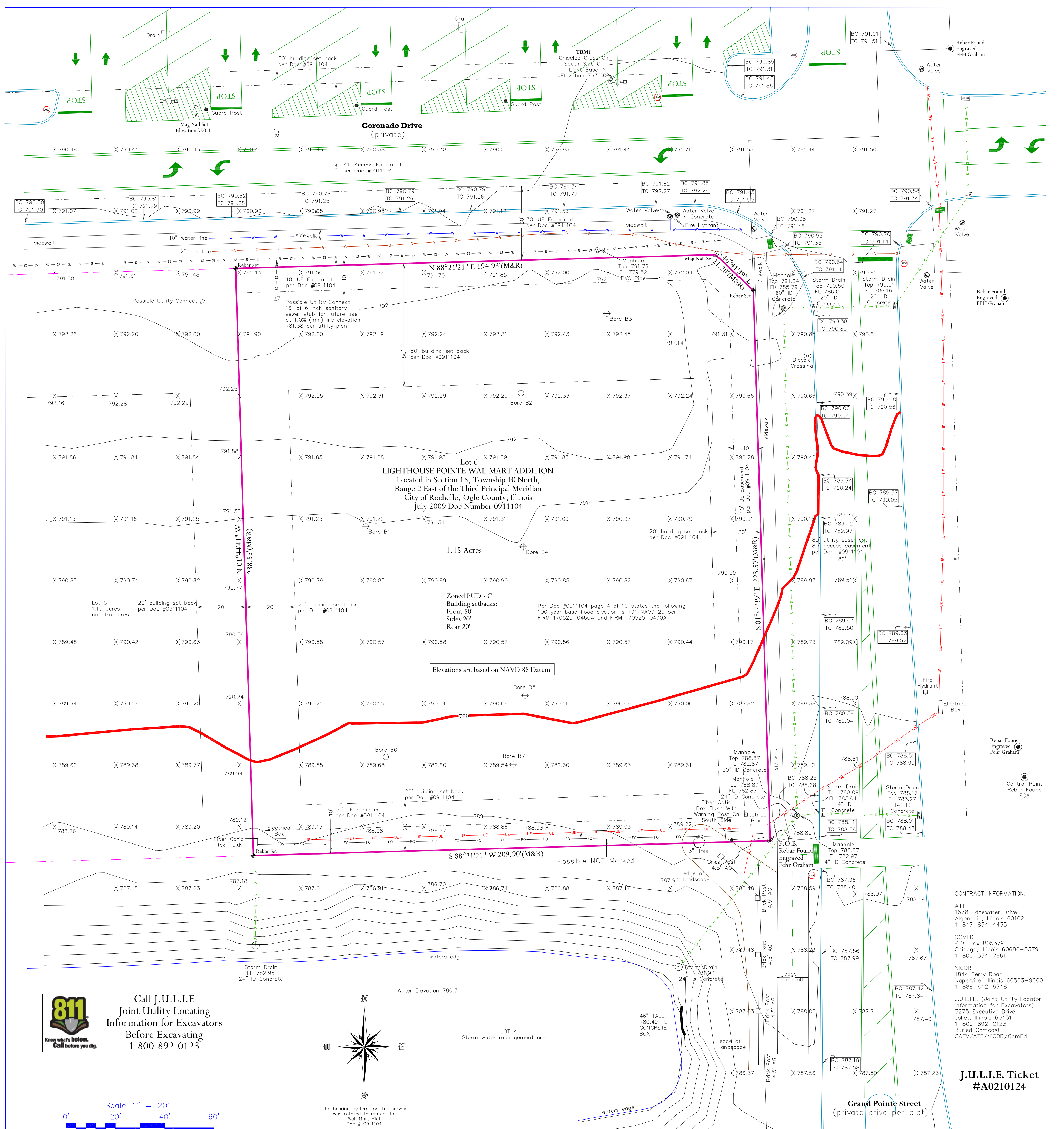
Legend

- Rebar with cap engraved James Tibbett LS 8332
- Mag nail set or previously set
- Rebar found
- Boundary pipe found
- Calculated point not set
- Light pole (with bulls shown in number & orientation)
- (M) Measured
- (R) Recorded
- 123.45 Top of curb elev.
- 123.45 Base of curb elev.
- X 123.45 Spot Elevation
- Not all symbols or layers are necessary in the drawing

- Power pole
- Sign - "wording"
- Storm drains
- Storm Manhole
- Sanitary Manhole
- Water Valve
- Guard post
- Fire hydrant
- Phone pedestal
- Landscape tree
- STOP Stop sign
- Bore Hole Location

- Line types**
- UE Underground Electric Line
 - OHL Over Head Lines
 - UT Underground Phone Line
 - CATV Underground Cable TV
 - W Water line
 - G Gas line
 - S Storm line
 - SS Sanitary sewer line
 - FF Fiber optics line
 - Property line
 - Adjacent property line
 - Easement line
 - Setback line
 - Contour line (1 foot)
 - Index contour line (10 foot)

Vicinity Map



KEY POINTS
 The following is a brief discussion of the key points used to control this survey.

The location of Lots 3, 4, 5, and 6 create a large rectangle and we recovered the southeast, southwest and northwest corners of said rectangle. We also recovered two original rebars along the east side of Grand Pointe Street. This five monuments were used to control the divide line between Lot 5 and Lot 6 due to the fact that the recorded Plat failed to list the bearing of the said divide line.

The vertical elevation was checked at three different locations and was found to have a discrepancy of 0.2 feet between said control points. Please note that this error is in the NAVD88 data. The flood data is based on NAVD29 data and the gap distance between the two grids at this location is approximately 0.18 feet.

Title Commitment
 Schedule B Part II
 Items 1, (2--a,b,d,e,i,g), 3,4, 5, 6, 7, 9, 10, and 11 are NOT survey related.

Item 2c:
 Encroachments, overlaps, boundary line disputes or other matter which would be disclosed by an accurate survey and inspection of the premises.

Not affecting per this survey
 Item 8
 Building setbacks lines and public utilities as shown in Plat of Subdivision approved.

Affecting as shown on this Plat of Survey:
 Item 12
 Subject to encroachments, overlaps, unrecorded easements and other adverse matters, which may be disclosed by an accurate survey of the land made in accordance with Illinois Survey and ALTA/ACSM Survey standards.

Affecting - The attached survey will not show any unrecorded documents

SURVEYOR'S NOTES:
 1) Declaration is made to certify to Wal-Mart Stores, Inc. Murphy Oil USA, Inc. and Stewart national title services. It is not transferable to additional institutions, or subsequent owners.
 2) Subsurface and environmental conditions were not examined or considered as part of this survey.
 3) This document and plat is hereby copyright protected to 1992-2013, CB & M Surveyors, Inc., James C. Tibbett, P.L.S. President, all rights reserved. This survey is being provided solely for the use of the current parties and that no license has been created, express or implied to copy the survey except as is necessary in conjunction with the original transaction, which shall take place within the next 12 months, from the last date this document was signed by the Professional Land Surveyor.

4) This survey plat and surveyor's report must be attached or cross referenced to the deed of transfer.
 5) There was no observable evidence of cemeteries found at the time of this survey.
 6) Table A Items 16, 17, and 18 we found no observable evidence of earth moving work, building construction or additions, no changes in right of way lines or recent street or sidewalk construction or repair and no observable evidence of site use as a solid waste dump, or sanitary landfill.

Certification Date: February 01, 2013
Updated Title Commitment: March 06, 2013

Redact Statement:
 I affirm, under the penalties of perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.

Project Number: CS2029
Drawing Name: Rochelle, Illinois
Drawn By: Tyler Thompson
Approved By: James C. Tibbett
Date: 02-10-13
Sheet: 1 of 1

MURPHY OIL U.S.A. INC.
 200 FEACH STREET
 P.O. BOX 7000
 EL DORADO, AR 71731-7000

East Hwy. 38
Rochelle, Illinois 61068
LOT 6
Lighthouse Pointe
Subdivision

CB&M Surveyors, Inc.
 PO Box 487
 429 NE A Street
 Linton, IN 47441
 (812)847-1952
 www.cbmsurveyors.com
 e-mail: fibbett@cbmsurveyors.com

James C. Tibbett, P.L.S.
 Indiana Registry # LS80910029
 Illinois Registry # 035-003652
 Ohio Registry # 8332
 Kentucky Registry # 3942

Project Number: CS2029
Drawing Name: Rochelle, Illinois
Drawn By: Tyler Thompson
Approved By: James C. Tibbett
Date: 02-10-13
Sheet: 1 of 1

811
 Know what's below.
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Call J.U.L.I.E
 Joint Utility Locating
 Information for Excavators
 Before Excavating
 1-800-892-0123



J.U.L.I.E. Ticket
#A0210124

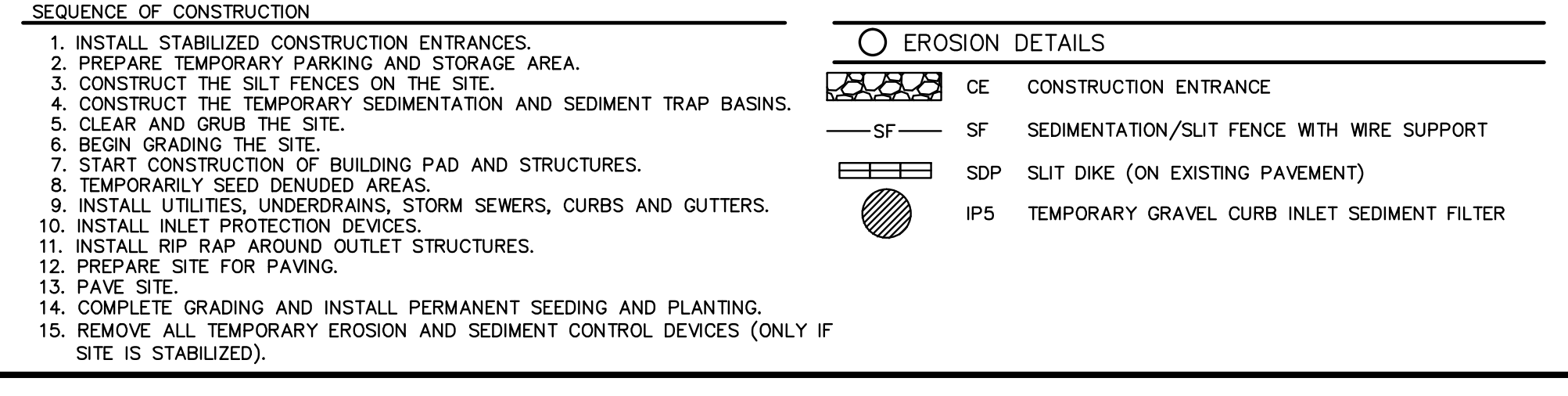
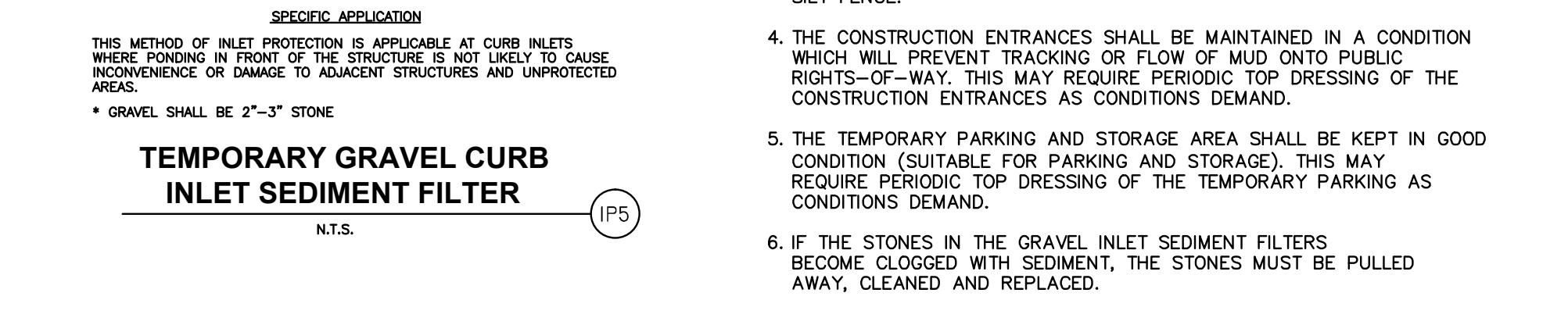
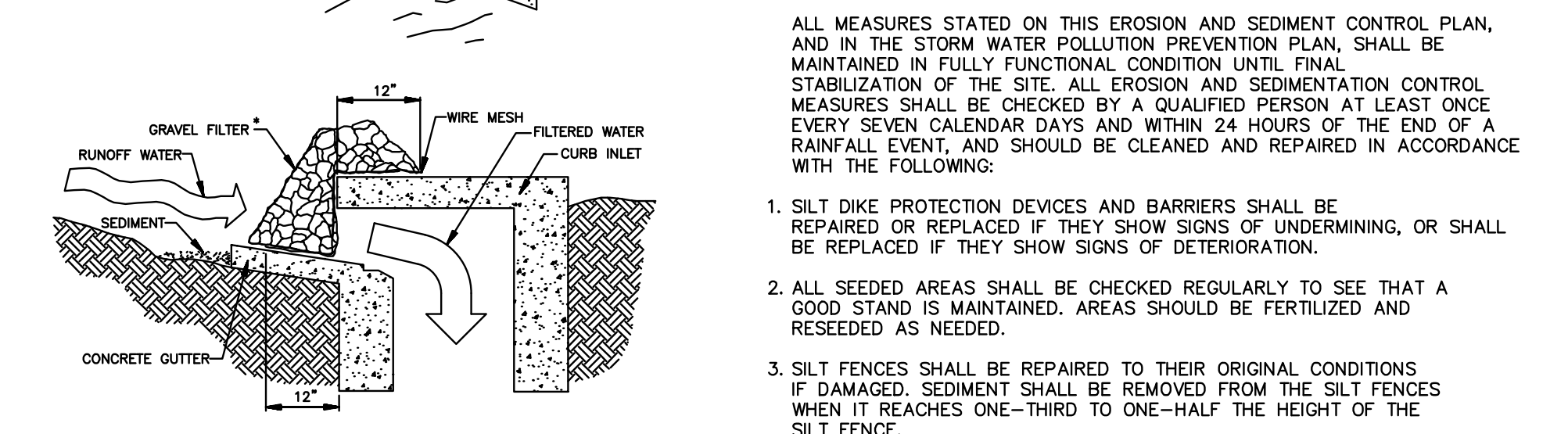
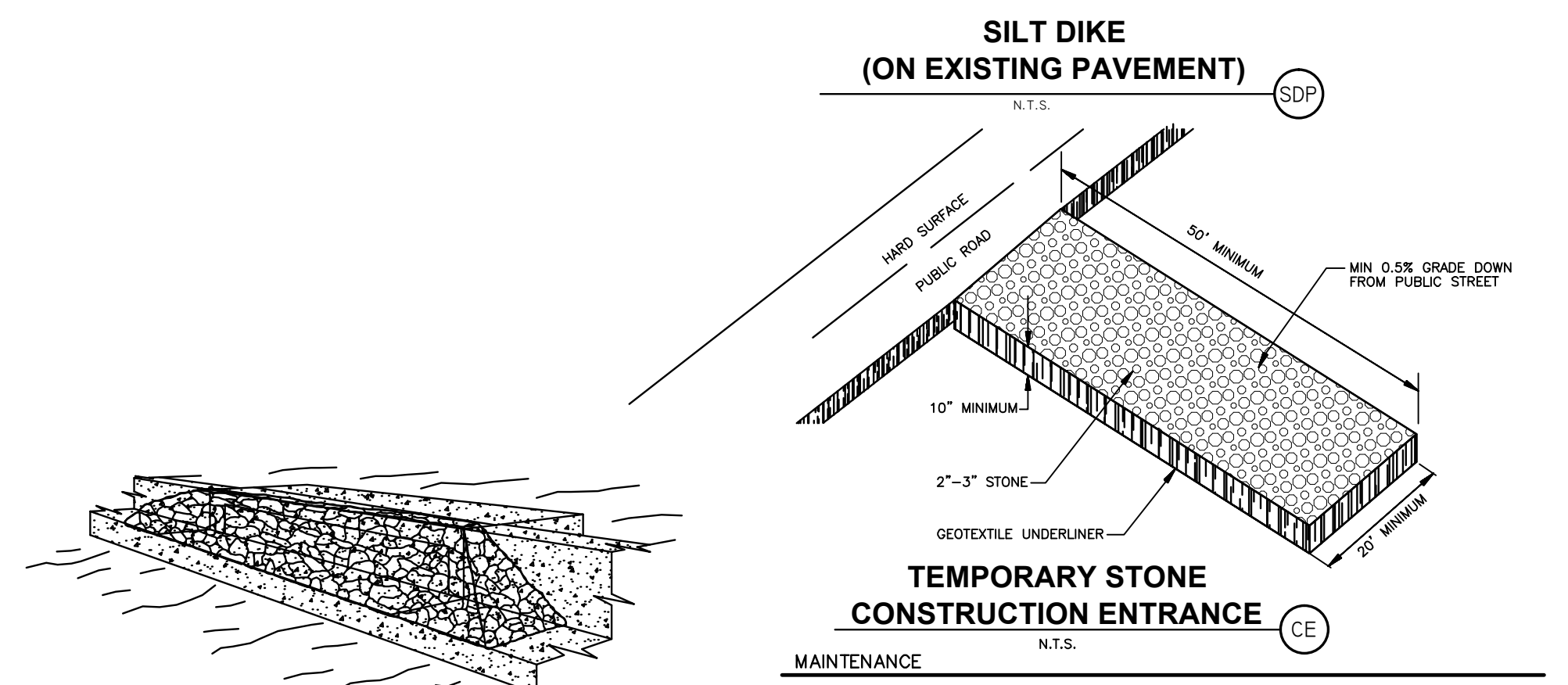
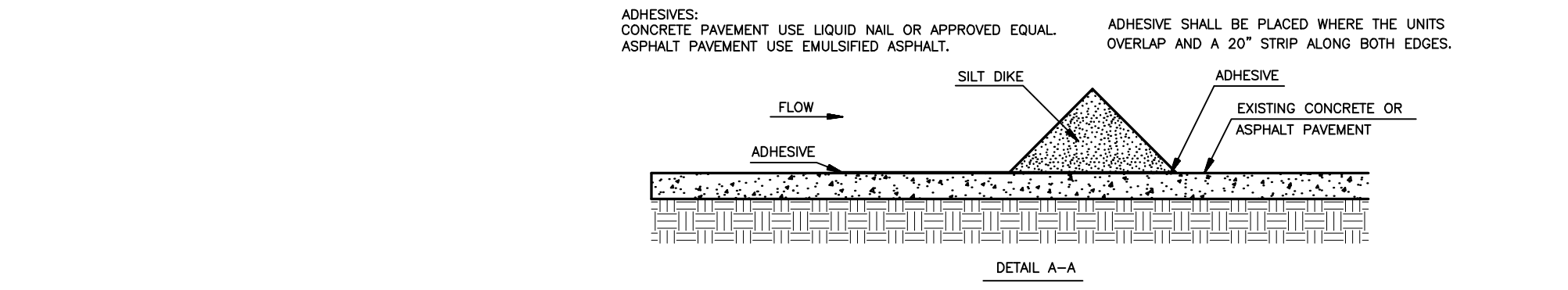
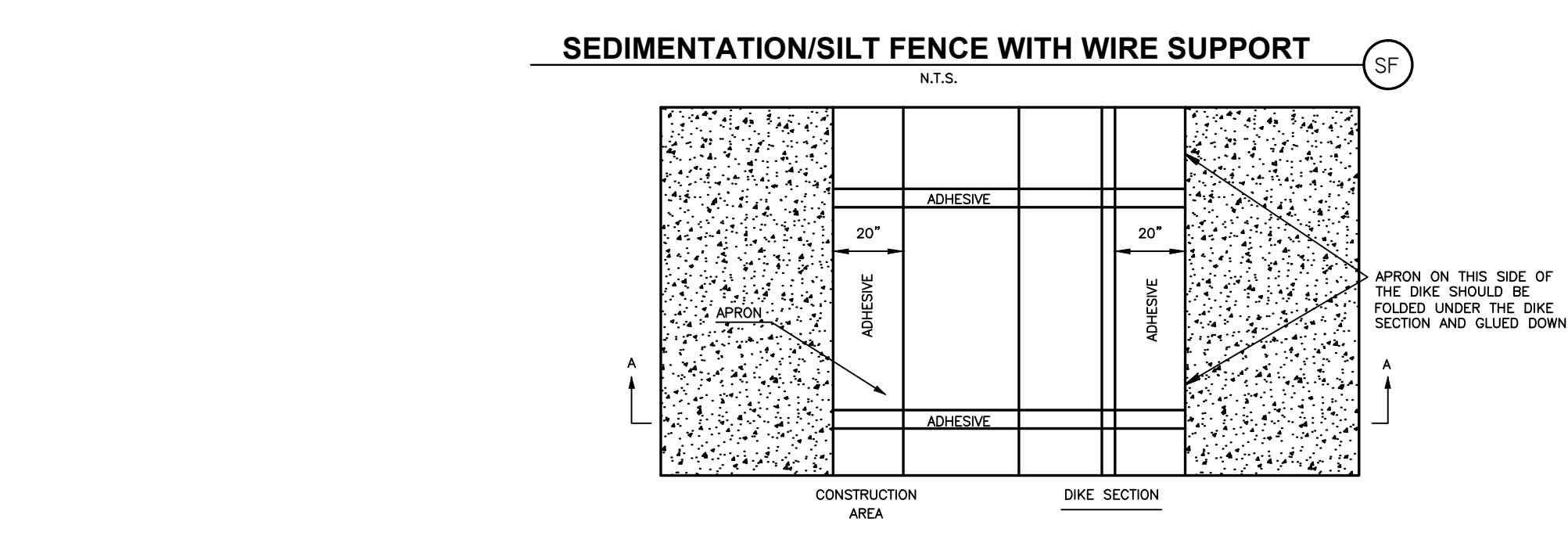
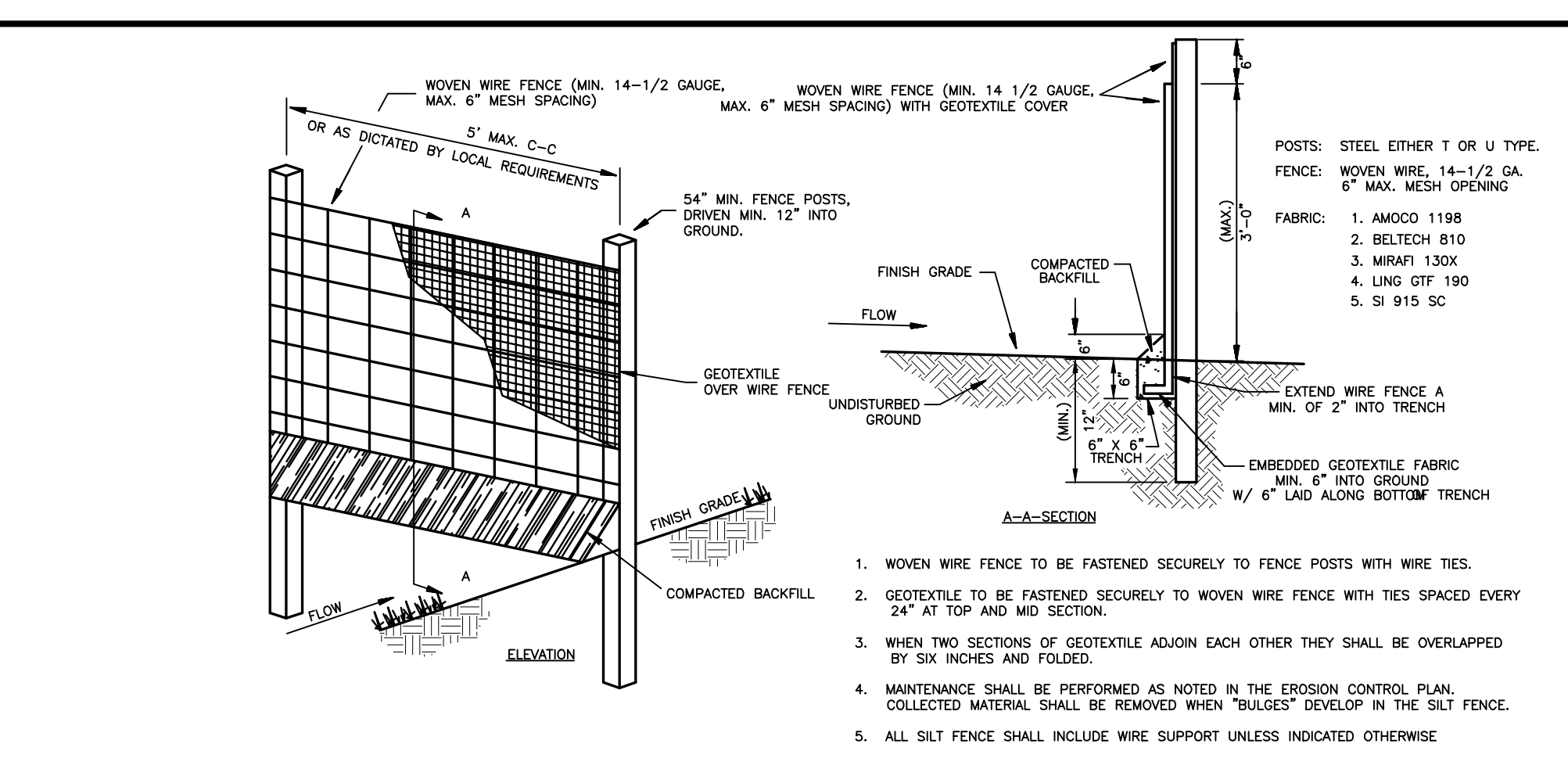
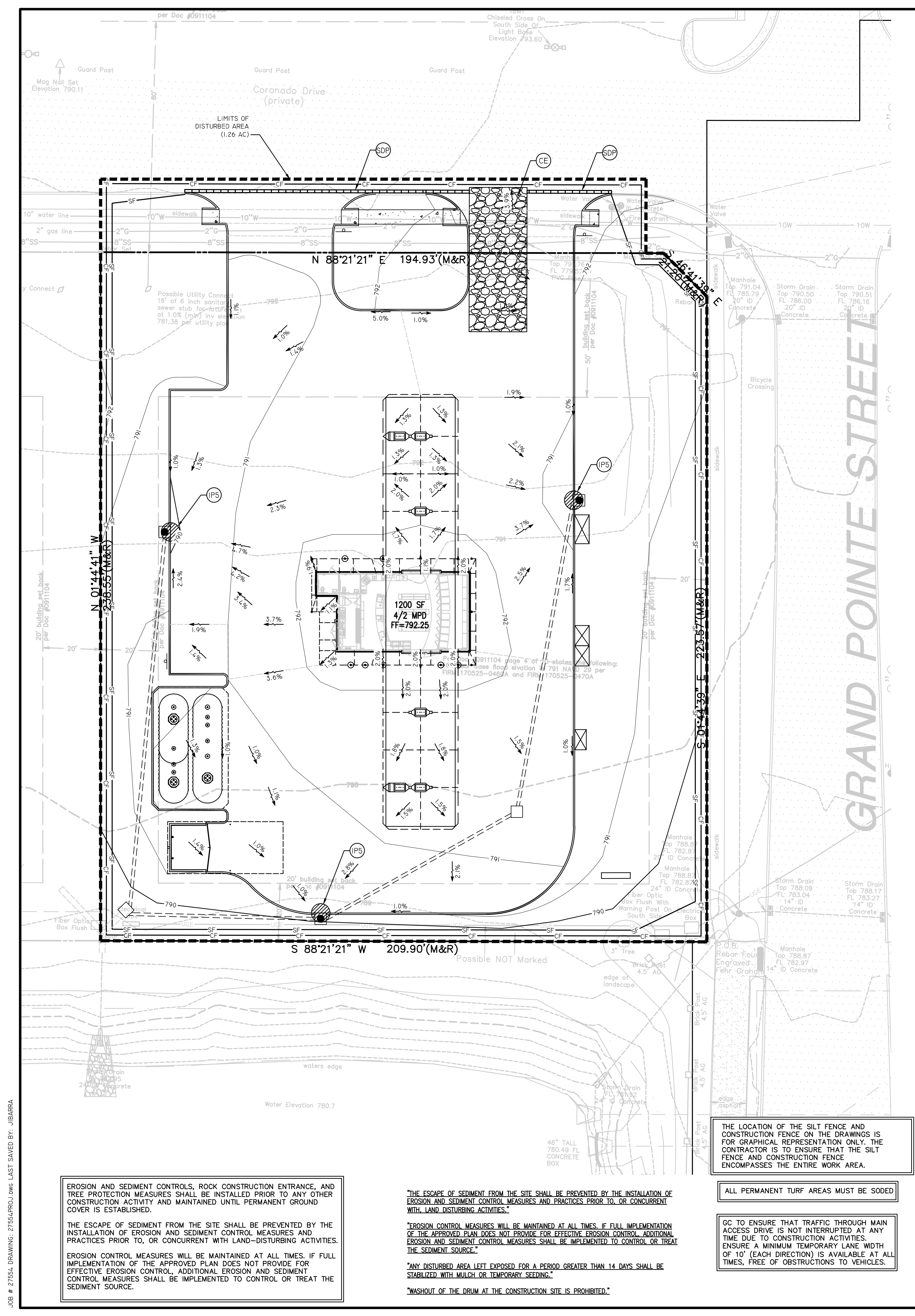
CONTRACT INFORMATION:
 ATT
 1678 Edgewater Drive
 Algonquin, Illinois 60102
 1-847-854-4435

COMED
 P.O. Box 805379
 Chicago, Illinois 60680-5379
 1-800-334-7661

NICOR
 1844 Ferry Road
 Naperville, Illinois 60563-9600
 1-888-642-6748

J.U.L.I.E. (Joint Utility Locator Information for Excavators)
 3279 Executive Drive
 Joliet, Illinois 60431
 1-800-892-0123
 Buried Contact
 CATV/ATT/NICOR/ComEd

Field work was completed 1-17-13
 License expires 11-30-2014 (forms to the current Illinois minimum Standards for a boundary survey)



811
Know what's below.
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Scale in Feet: 0, 20, 30, 40'

EXISTING

BOUNDARY LINE	FIRE HYDRANT
EXISTING BUILDING	WATER VALVE
LAND LOT LINE (LLL)	GAS VALVE
PROPERTY LINE	WATER METER
UTILITY POLE (UP), OVERHEAD LINES & GUY	GAS METER
TREE LINE	WELL
SANITARY SEWER MANHOLE (SSM)	POST INDICATOR VALVE
SANITARY CLEAN-OUT (SCO)	MALBOX
TELEPHONE MANHOLE OR PEDESTAL	MONITORING WELL
DOUBLE-WING CATCH BASIN	FIRE DEPT. CONNECTION
SINGLE-WING CATCH BASIN	CONCRETE
DROP OR CURB INLET (DI OR CI)	IRIGATION CONTROL VALVE
FENCE	RIGHT-OF-WAY
DRAINAGE DITCH OR POND	STORM DRAIN
EXISTING 5 FOOT CONTOUR	REBAR PIN FOUND
EXISTING 1 FOOT CONTOUR	OPEN TOP PIPE FOUND
EXISTING GRADE SPOT ELEVATION	CRIMP TOP PIPE FOUND
DIRECTION OF SURFACE FLOW	CONCRETE MONUMENT FOUND
RECORDED DATA	ROD FOUND
PARKING SPACE COUNT	BRASS DISK FOUND
LIGHT POLE (LP)	AXLE FOUND
ELECTRICAL TRANSFORMER BOX	REBAR PIN SET

PROPOSED

CF	CONSTRUCTION FENCE (SEE DETAIL SHEET C-6)
GB	GRADE BREAK
XX	CONTOUR ELEVATIONS
---	LIMIT OF DISTURBED AREA

GENERAL EROSION NOTES

- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ILLINOIS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AREA, EQUIPMENT CLEANING AREA, EMPLOYEE BREAK AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORM WATER THAT IS DISCHARGED FROM THE SITE.
- MAINTAIN ON THE SITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- NO RUBBISH, TRASH, GARBAGE, OR OTHER SUCH MATERIALS SHALL BE DISCHARGED INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL BE STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED WITHIN 14 DAYS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AFTER THE STABILIZATION OF THE SITE AND ALSO ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS.
- IF SOIL STOCKPILING IS EMPLOYED ON THE SITE, SILT FENCES SHALL BE USED TO HELP CONTAIN THE SEDIMENT.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- SEDIMENT BASINS ARE ATTRACTIVE TO CHILDREN AND CAN BE VERY DANGEROUS. IN ALL CASES, LOCAL ORDINANCES AND REGULATIONS REGARDING HEALTH AND SAFETY MUST BE ADHERED TO.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL STABILIZATION. FINAL STABILIZATION HAS OCCURRED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN EMPLOYED.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, SILT DIKES, ETC.) TO HELP PREVENT EROSION AND STORM WATER POLLUTION.
- ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR STORM DRAINS & UTILITY CONSTRUCTION AND BACKFILLING OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- GC TO ENSURE THAT TRAFFIC THROUGH DRIVE IS NOT INTERRUPTED AT ANY TIME DUE TO CONSTRUCTION ACTIVITIES. ENSURE A MINIMUM TEMPORARY LANE WIDTH OF 10' (EACH DIRECTION) IS AVAILABLE AT ALL TIMES, FREE OF OBSTRUCTIONS TO VEHICLES. AT NO TIME SHALL THE CONSTRUCTION FENCE EXTEND INTO THE DRIVE MORE THAN 2' FROM THE FACE OF THE CURB OR EDGE OF DRIVE.

EROSION AND SEDIMENT CONTROLS, ROCK CONSTRUCTION ENTRANCE, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

THE LOCATION OF THE SILT FENCE AND CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY. THE CONTRACTOR IS TO ENSURE THAT THE SILT FENCE AND CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.

ALL PERMANENT TURF AREAS MUST BE SODED

GC TO ENSURE THAT TRAFFIC THROUGH MAIN ACCESS DRIVE IS NOT INTERRUPTED AT ANY TIME DUE TO CONSTRUCTION ACTIVITIES. ENSURE A MINIMUM TEMPORARY LANE WIDTH OF 10' (EACH DIRECTION) IS AVAILABLE AT ALL TIMES, FREE OF OBSTRUCTIONS TO VEHICLES.

MURPHY OIL U.S.A. INC.
200 PEACH STREET
P.O. BOX 7000
EL DORADO, AR 71730-7000

MURPHY USA

Engineering Associates, Inc.
3101 LEI FREEMAN, SUITE 100
DALLAS, TX 75254
PHONE: (972) 688-3737
FAX: (972) 688-6732
JOB NO.: 27554

EROSION CONTROL PLAN
WAL-MART SUPERCENTER # 933
311 EAST HIGHWAY 38

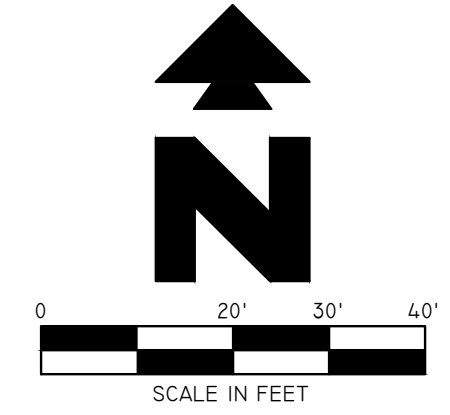
ROCHELLE

ILLINOIS

SHEET NO. C-5

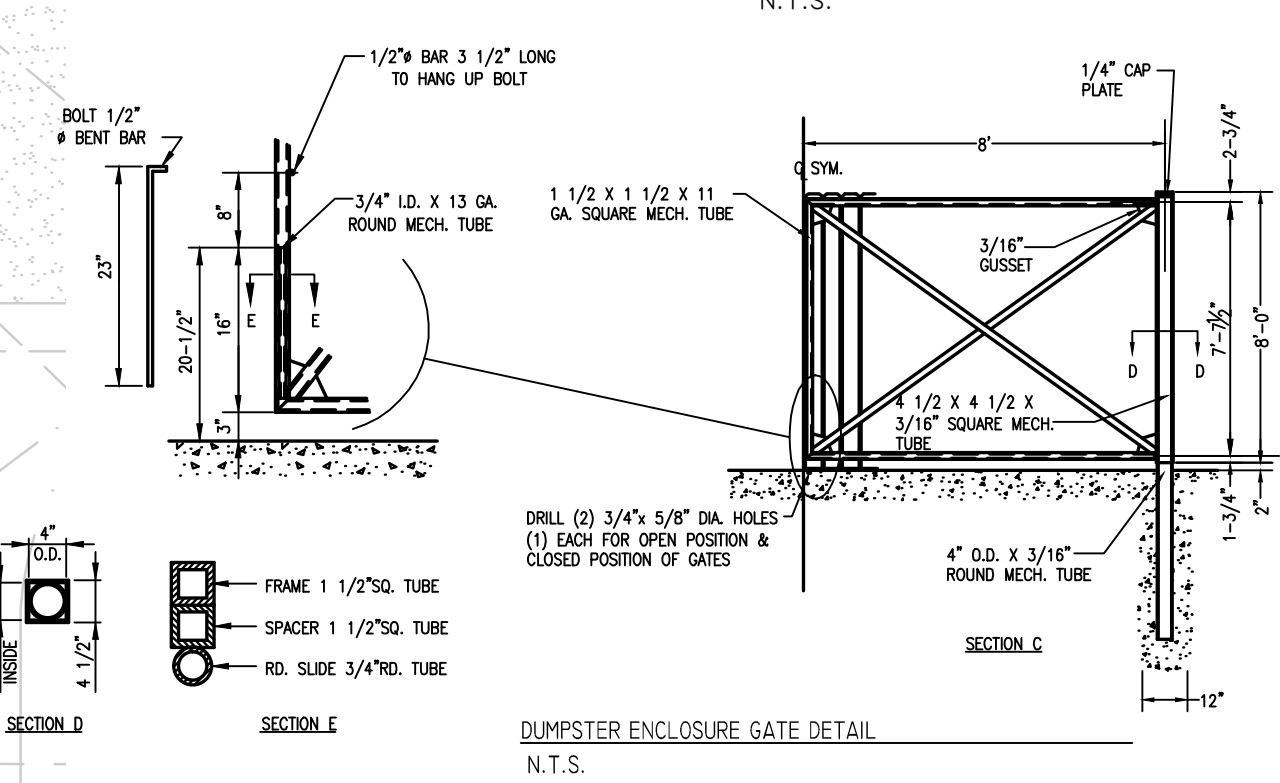
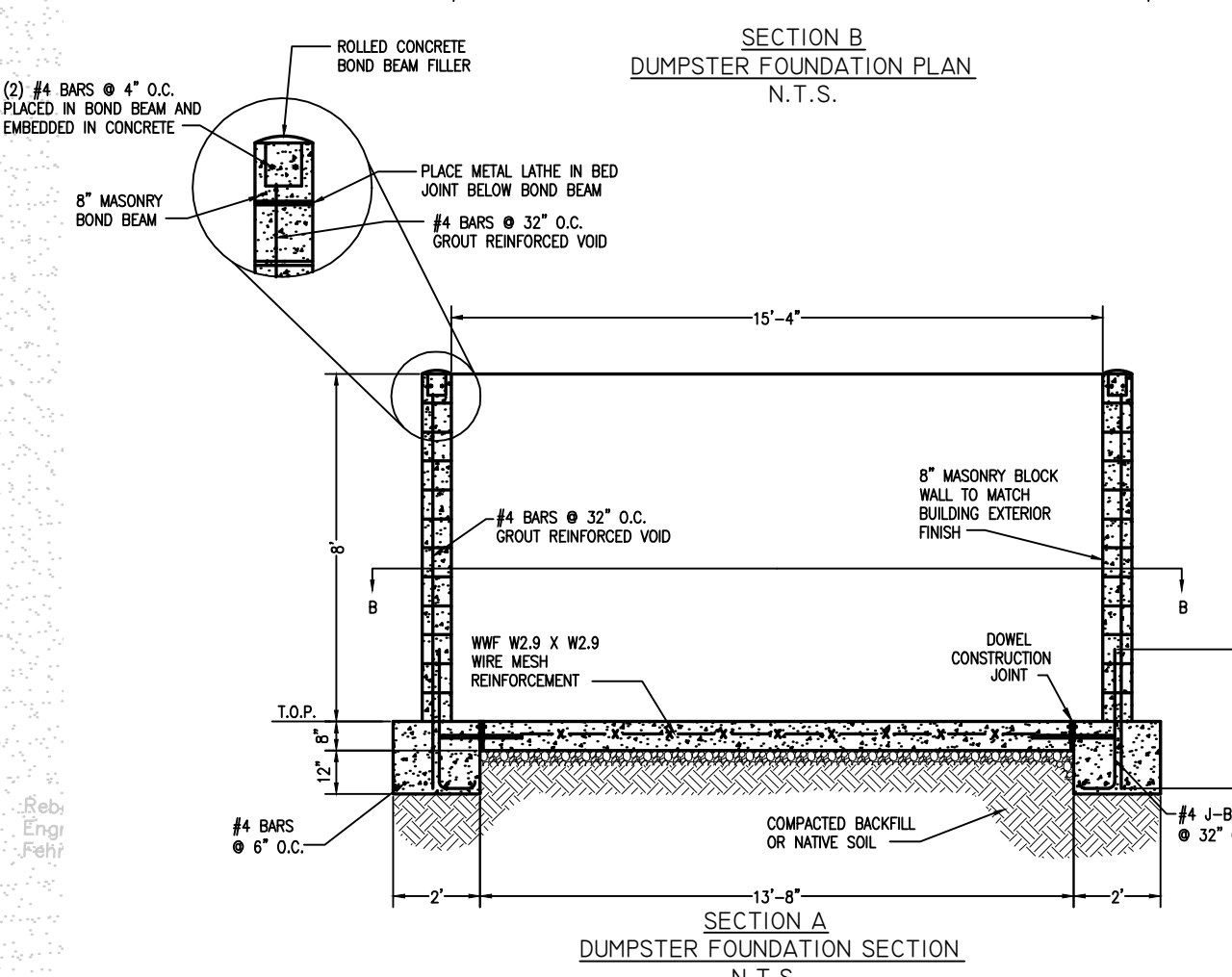
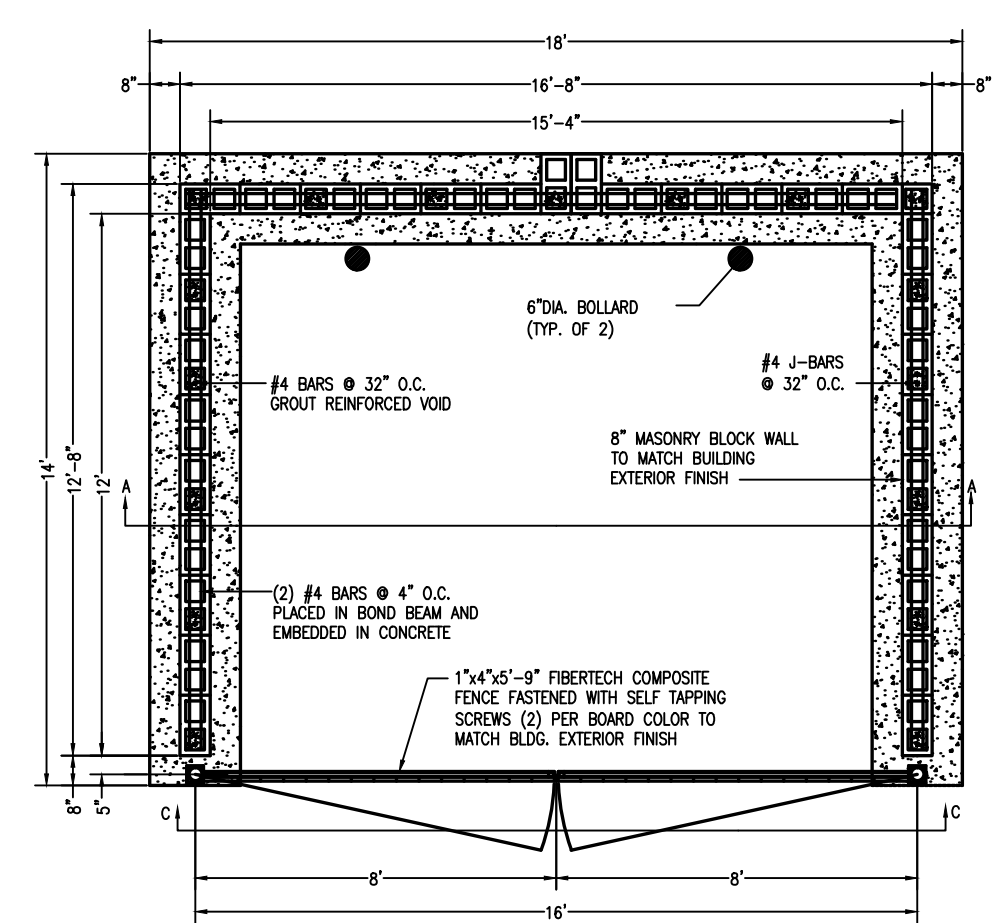
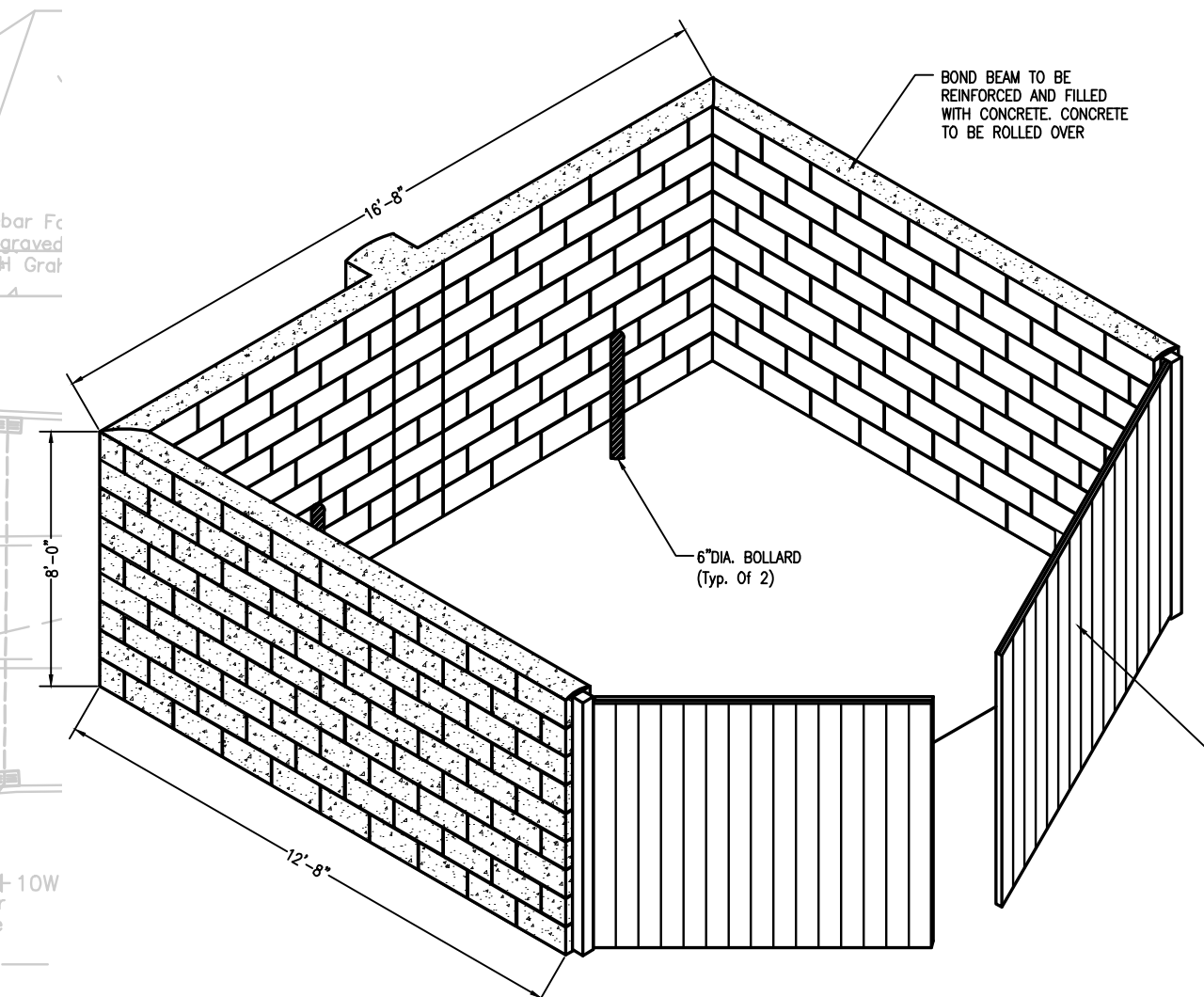
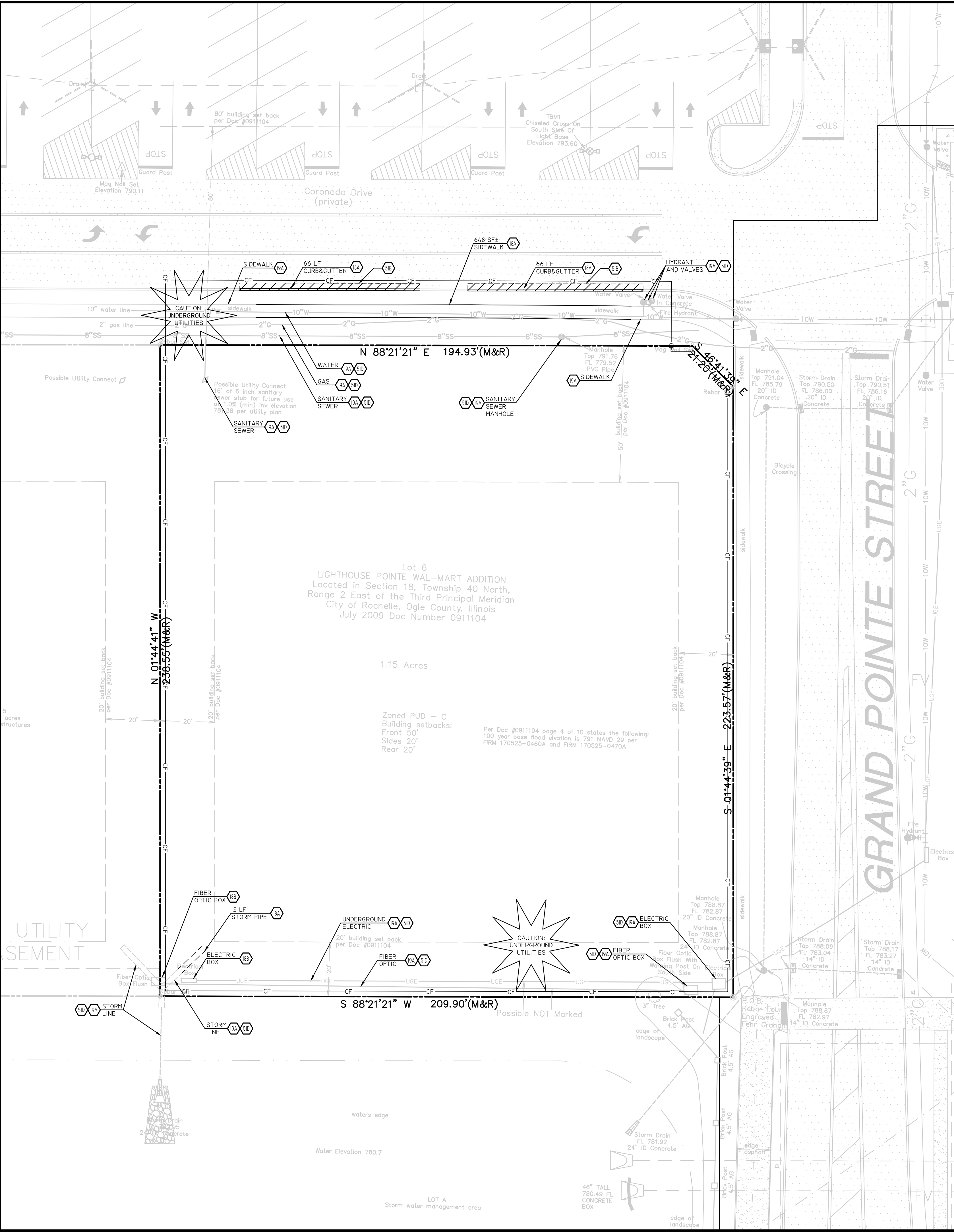


Know what's below.
Call before you dig.



SHEET NO.

C-6



DUMPSTER ENCLOSURE
N.T.S.

EXISTING	
---	BOUNDARY LINE
---	EXISTING BUILDING
---	LAND LOT LINE (LLL)
---	PROPERTY LINE
---	UTILITY POLE (UP), OVERHEAD LINES & GUY
---	TREE LINE
---	SANITARY SEWER MANHOLE (SSM)
---	SANITARY CLEAN-OUT (SCO)
---	TELEPHONE MANHOLE OR PEDESTAL
---	STORM DRAIN PIPE WITH HEADWALL
---	DOUBLE-WING CATCH BASIN
---	SINGLE-WING CATCH BASIN
---	DROP OR CURB INLET (DI OR CI)
---	FENCE
---	DRAINAGE DITCH OR SWALE
---	EXISTING 5 FOOT CONTOUR
---	EXISTING 1 FOOT CONTOUR
---	EXISTING GRADE SPOT ELEVATION
---	DIRECTION OF SURFACE FLOW
---	RECORDED DATA
---	PARKING SPACE COUNT
---	ROD FOUND
---	BRASS DISK FOUND
---	AXLE FOUND
---	ELECTRICAL TRANSFORMER BOX
---	EXISTING HEAVY DUTY ASPHALT
---	FIRE HYDRANT WATER VALVE
---	GAS VALVE
---	WATER METER
---	GAS METER
---	WELL
---	MONITORING WELL
---	POST INDICATOR VALVE
---	MAILBOX
---	STREET SIGN
---	UNKNOWN UTILITY STUB OUT
---	CONCRETE
---	FIRE DEPT. CONNECTION
---	HC
---	HANDICAPPED
---	IRRIGATION CONTROL VALVE
---	RIGHT-OF-WAY
---	STORM DRAIN
---	REAR SW FOUND
---	OPEN TOP PIPE FOUND
---	CRIMP TOP PIPE FOUND
---	CONCRETE MONUMENT FOUND
---	ROD FOUND
---	BRASS DISK FOUND
---	AXLE FOUND
---	REBAR PIN SET

PROPOSED	
---	CONSTRUCTION FENCE
---	CONCRETE CURB AND GUTTER TO BE REMOVED

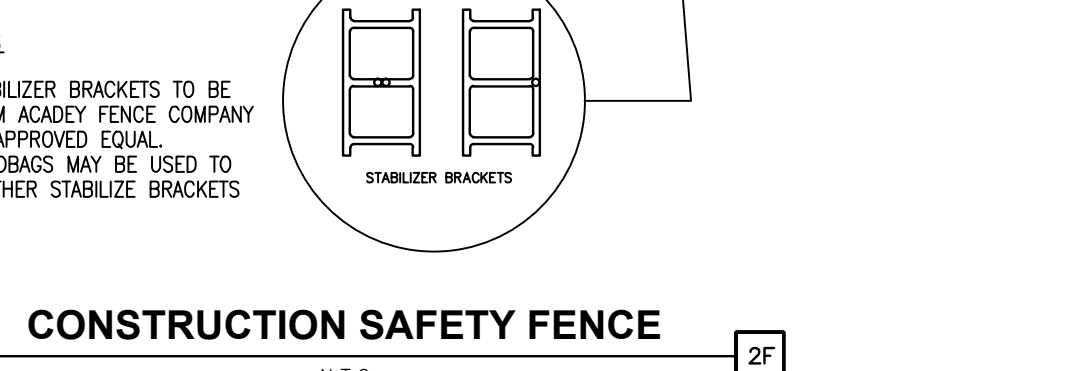
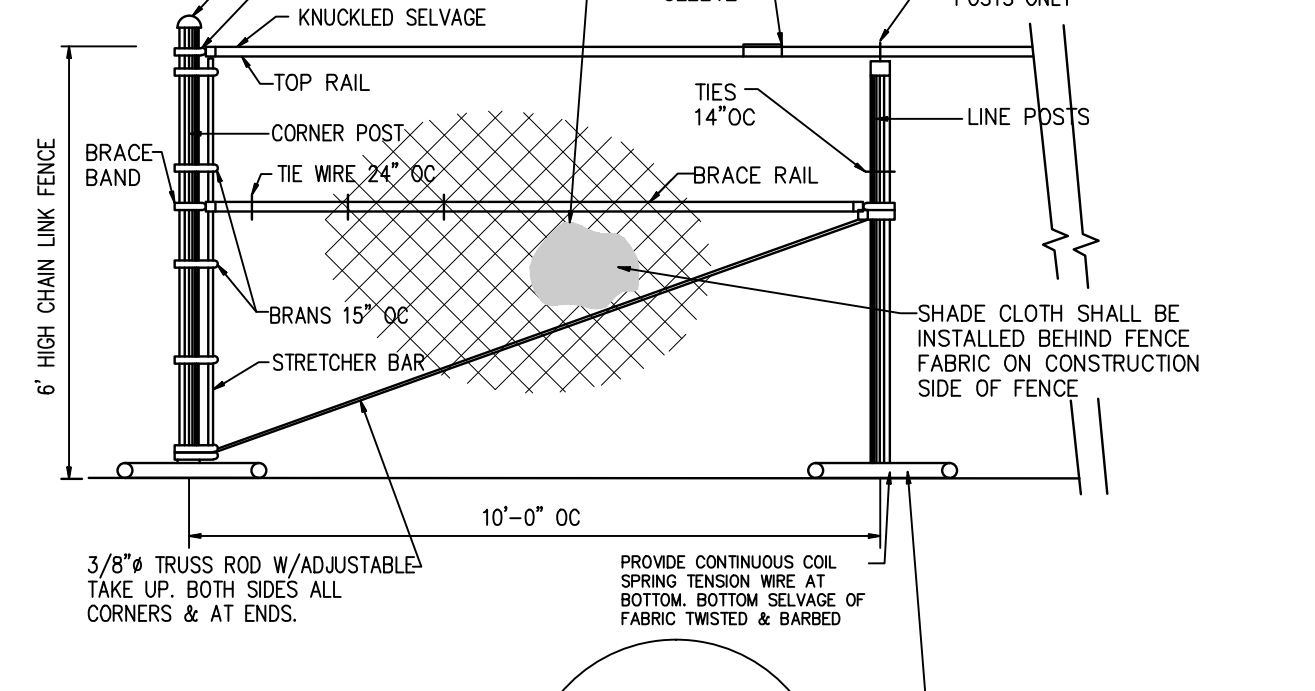
GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE WAL-MART TRAFFIC FLOW OR ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH THE WAL-MART CONSTRUCTION/STORE MANAGER AND/OR ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING DOT APPROVED TRAFFIC BARRICADES, BARRIERS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
- INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED (24) HOURS.

DEMOLITION NOTES

- 18A EXISTING TO BE REMOVED
- 18B EXISTING TO BE RELOCATED
- 19A EXISTING TO REMAIN
- 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 51D PROTECT EXISTING STRUCTURES AND/OR PIPES DURING DEMOLITION AND CONSTRUCTION PHASES.

ENDURO SHADE CLOTH BY HENDEE ENTERPRISE, INC (OR EQUAL) TEL: 1-800-231-7275



CONSTRUCTION SAFETY FENCE
N.T.S.

DEMOLITION PLAN
WAL-MART SUPERCENTER # 933
311 EAST HIGHWAY 38
ROCHELLE
ILLINOIS

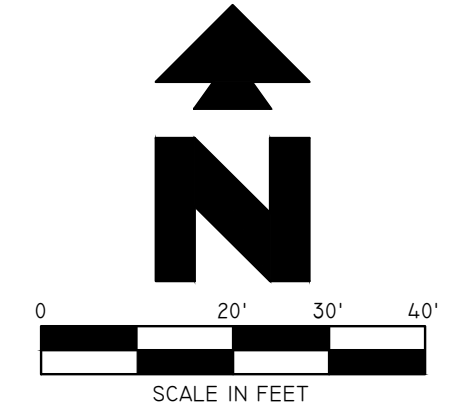
Engineering Associates, Inc.
3300 LEBLANCH AVENUE, SUITE 100
DALLAS, TX 75224
PHONE: (972) 248-6732
FAX: (972) 248-6732
JOB NO.: 27554/PROJ

MURPHY OIL U.S.A. INC.
200 PEACH STREET
P.O. BOX 7000
EL DORADO, AR 71730-7000
MURPHY USA

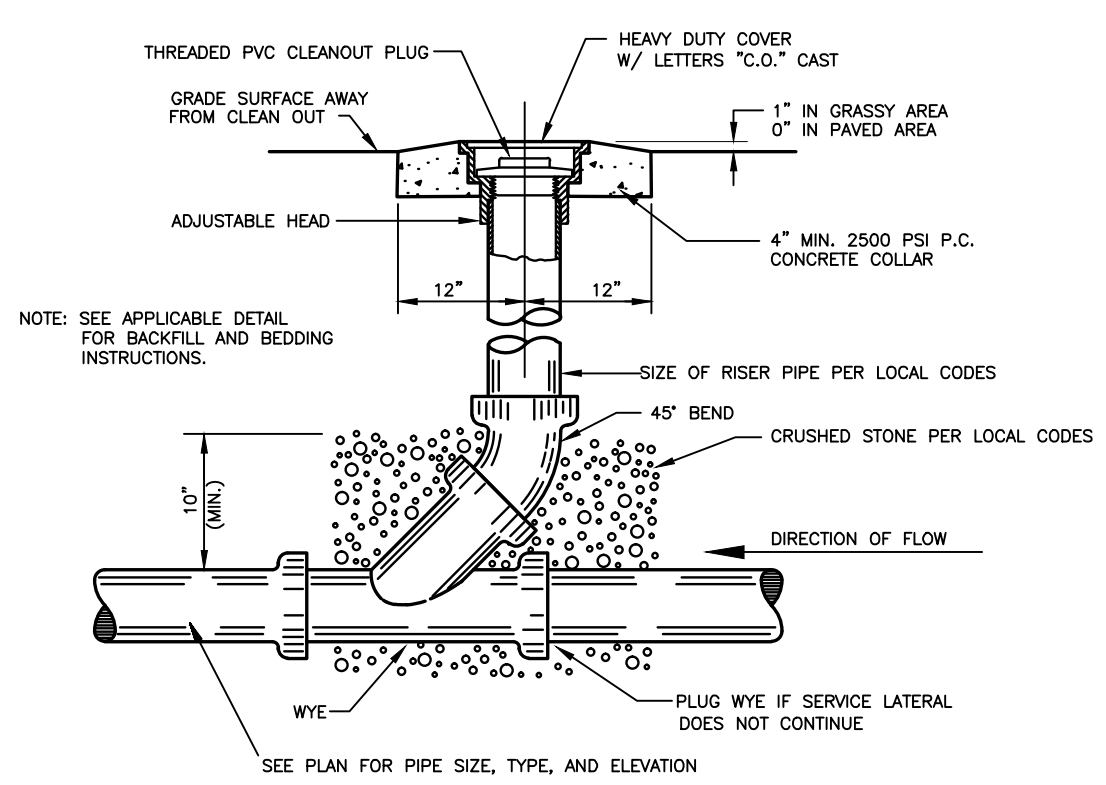
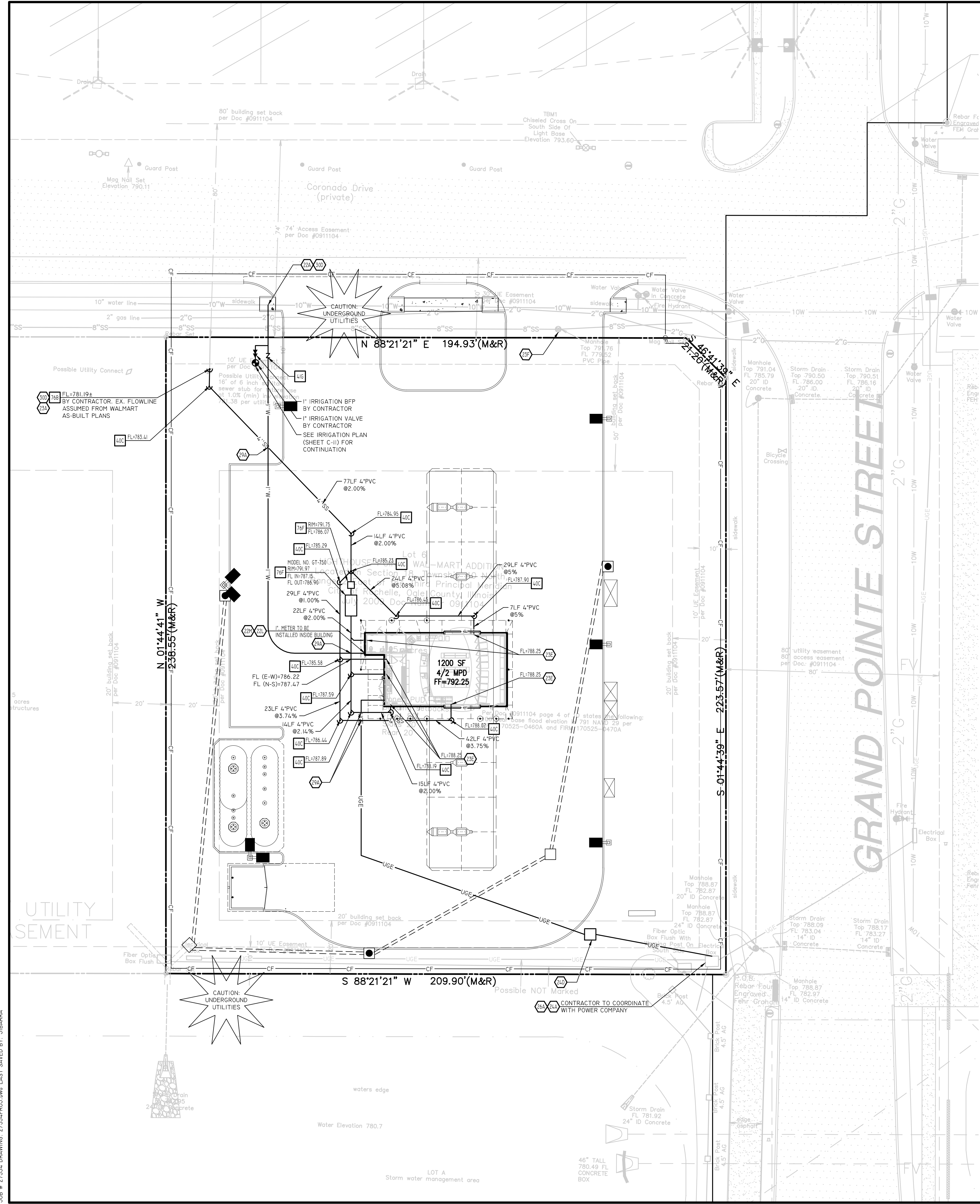
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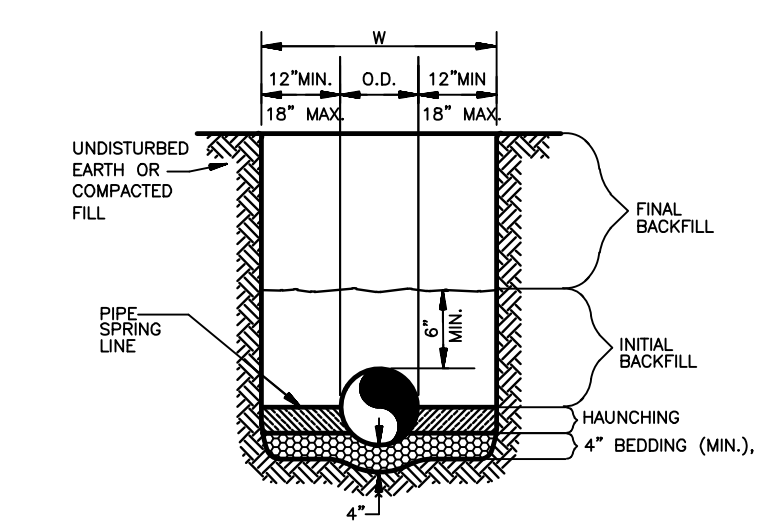
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SHEET NO. C-7

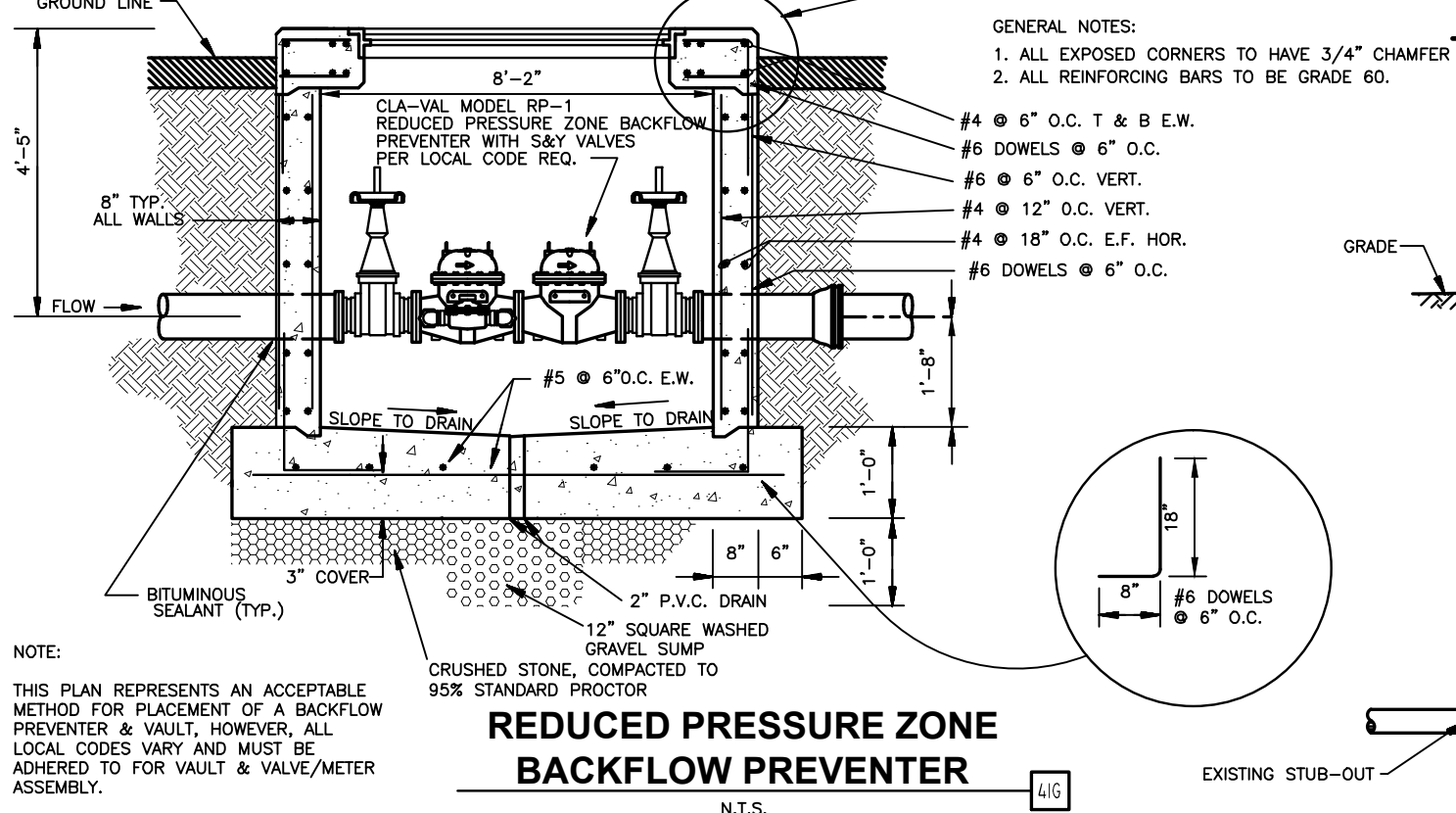
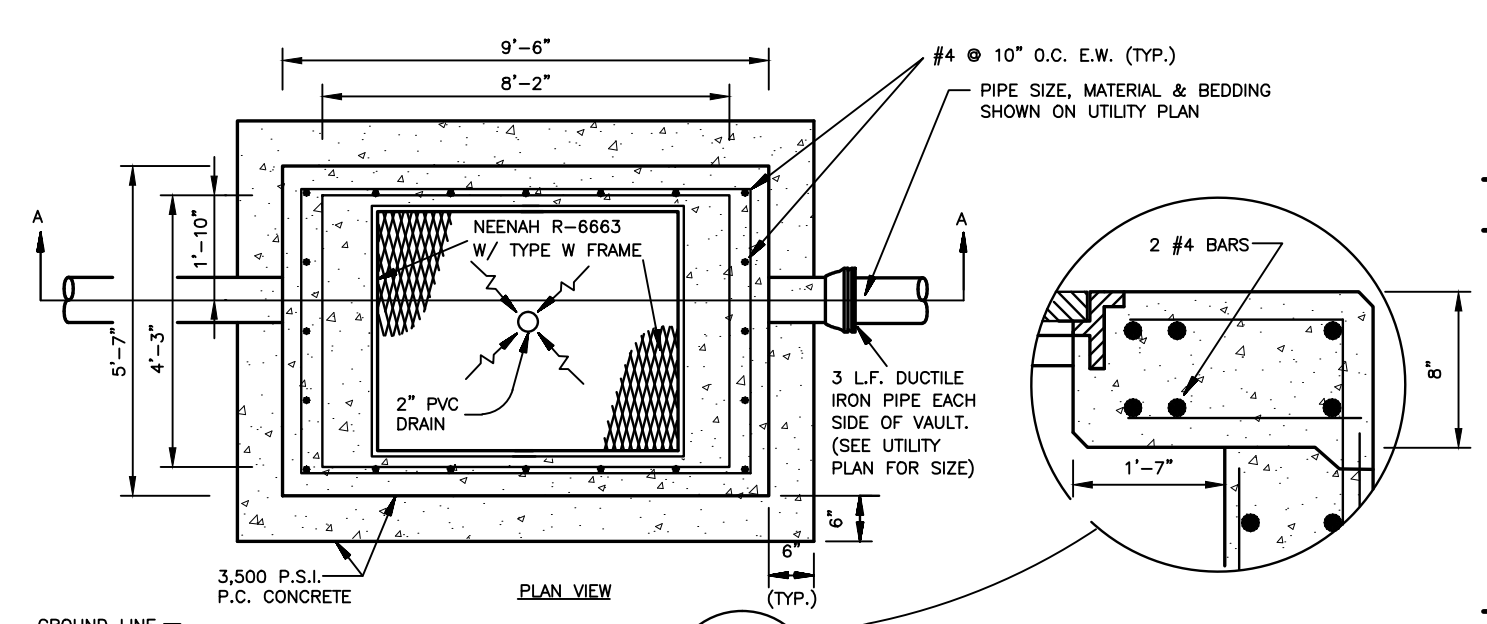


SANITARY SEWER CLEAN-OUT

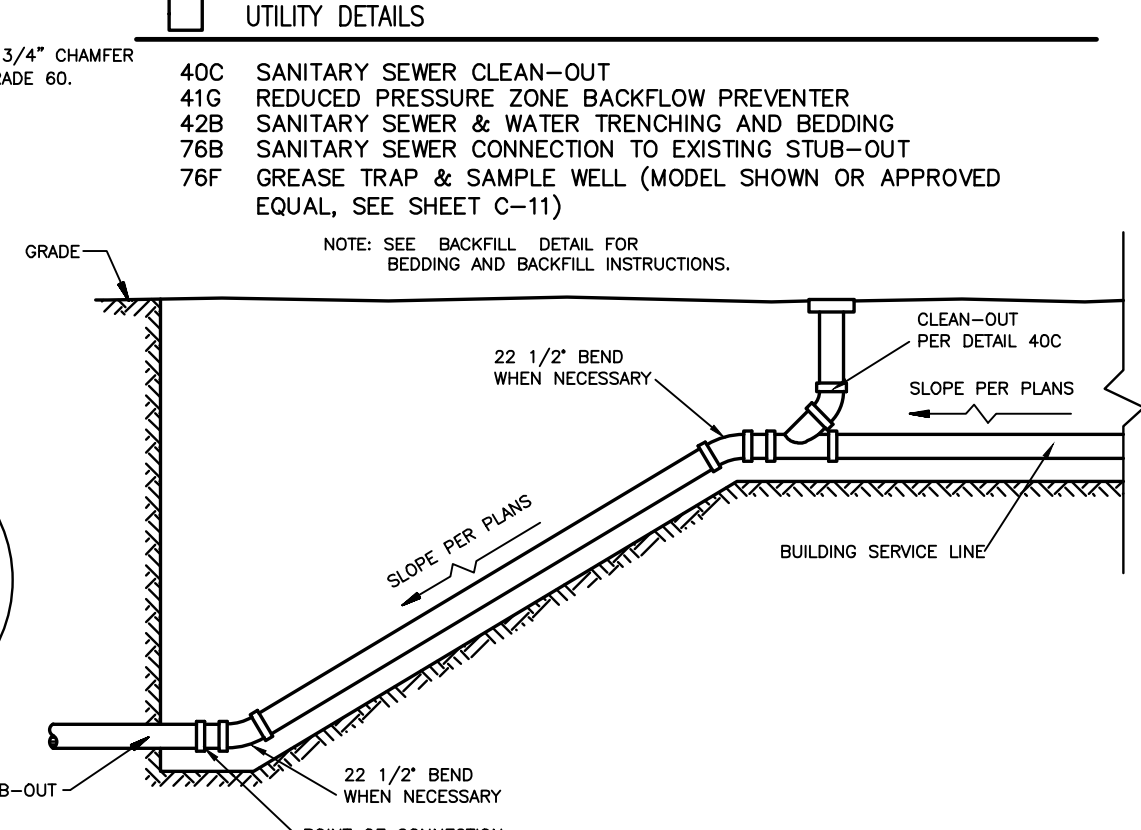


SANITARY SEWER AND WATER TRENCHING AND BEDDING

- GENERAL NOTES: 1. BEDDING SHALL BE CLASS I-A WORKED BY HAND... 2. HAUNCHING SHALL BE WORKED AROUND THE PIPE... 3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND... 4. INITIAL BACKFILL NOT UNDER PAVED AREAS... 5. FINAL BACKFILL SHALL BE CLASS II, III, OR IV... 6. FINAL BACKFILL NOT UNDER PAVED AREAS... 7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321... 8. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 698... 9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS... 10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.



REDUCED PRESSURE ZONE BACKFLOW PREVENTER



SANITARY SEWER SERVICE CONNECTION TO EXISTING STUB-OUT

EXISTING legend table with symbols for boundary line, existing building, utility pole, manhole, etc.

PROPOSED LEGEND table with symbols for construction fence, sanitary sewer service, etc.

GENERAL UTILITY NOTES

- A. ALL WATER LINES SHALL BE 3/4" SCHEDULE 40 PVC UNLESS OTHERWISE LABELED WITH 42" MIN. COVER.
B. ALL SANITARY SEWER LINES SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY...
C. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
D. ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS...
E. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER...
F. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES...
G. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES...

UTILITY NOTES

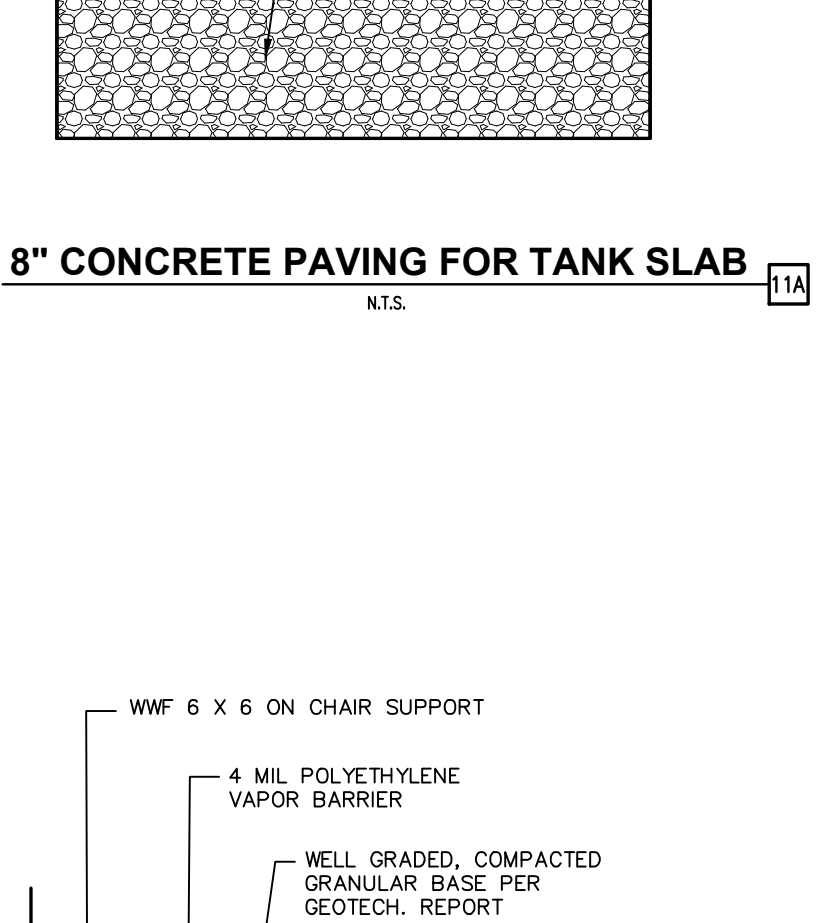
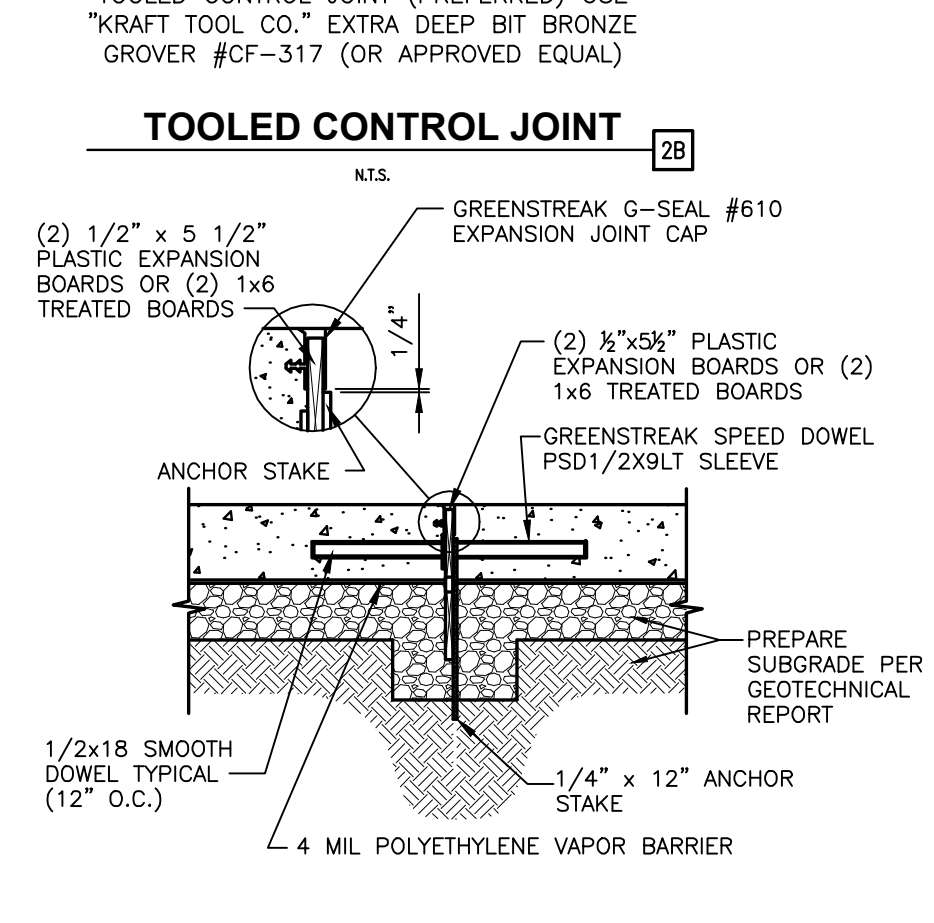
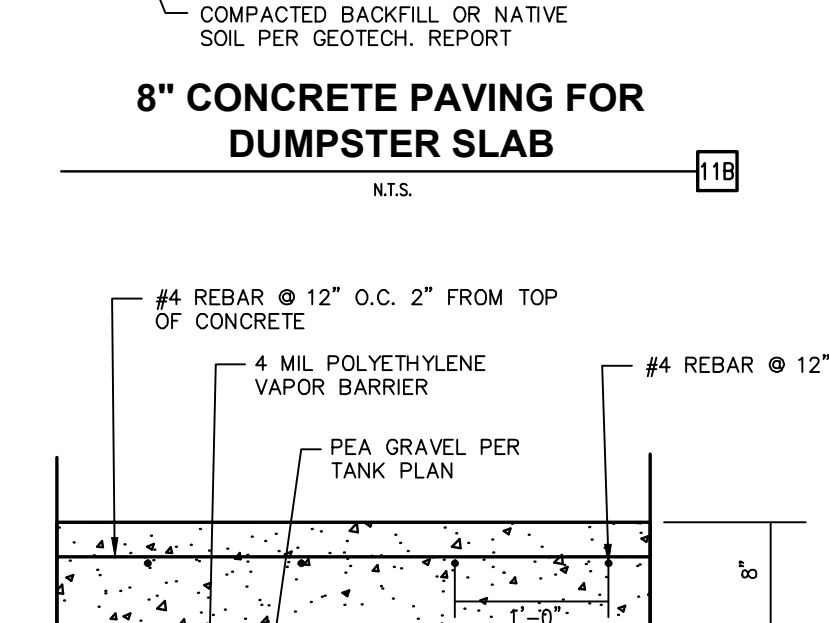
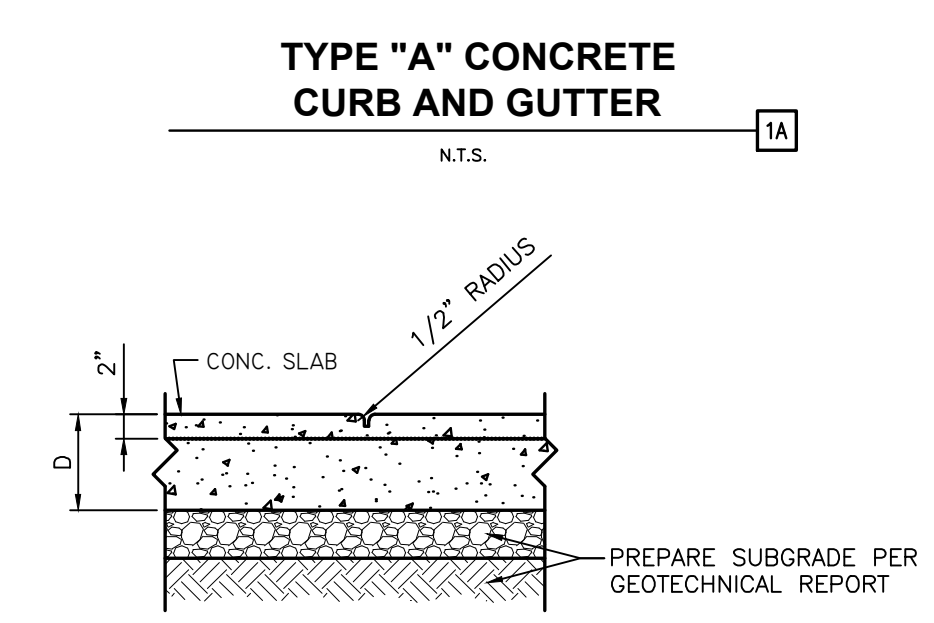
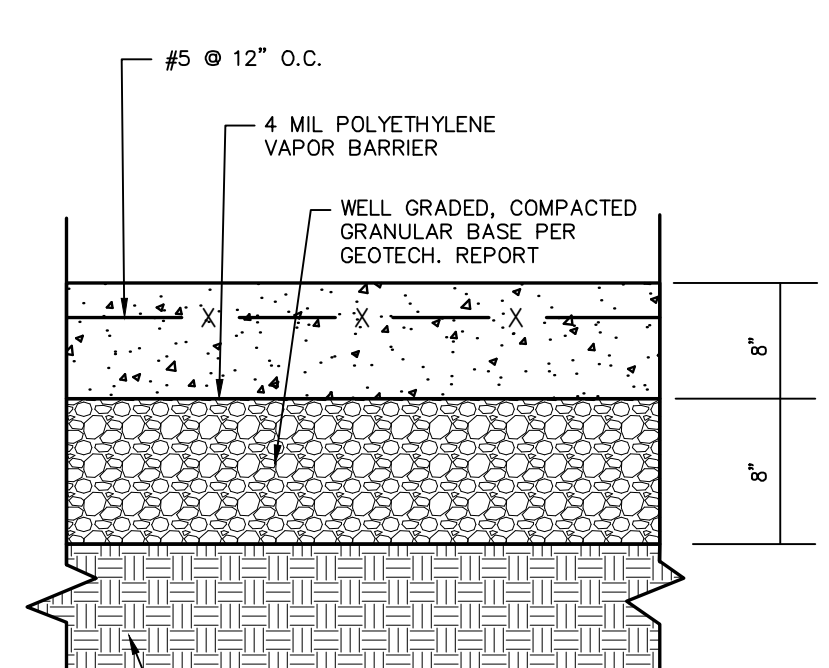
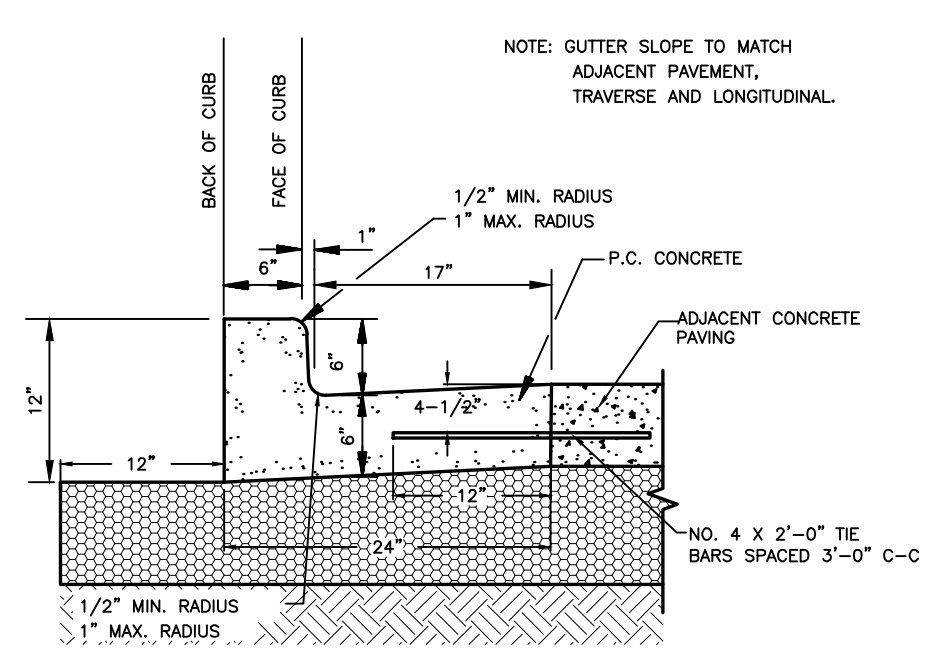
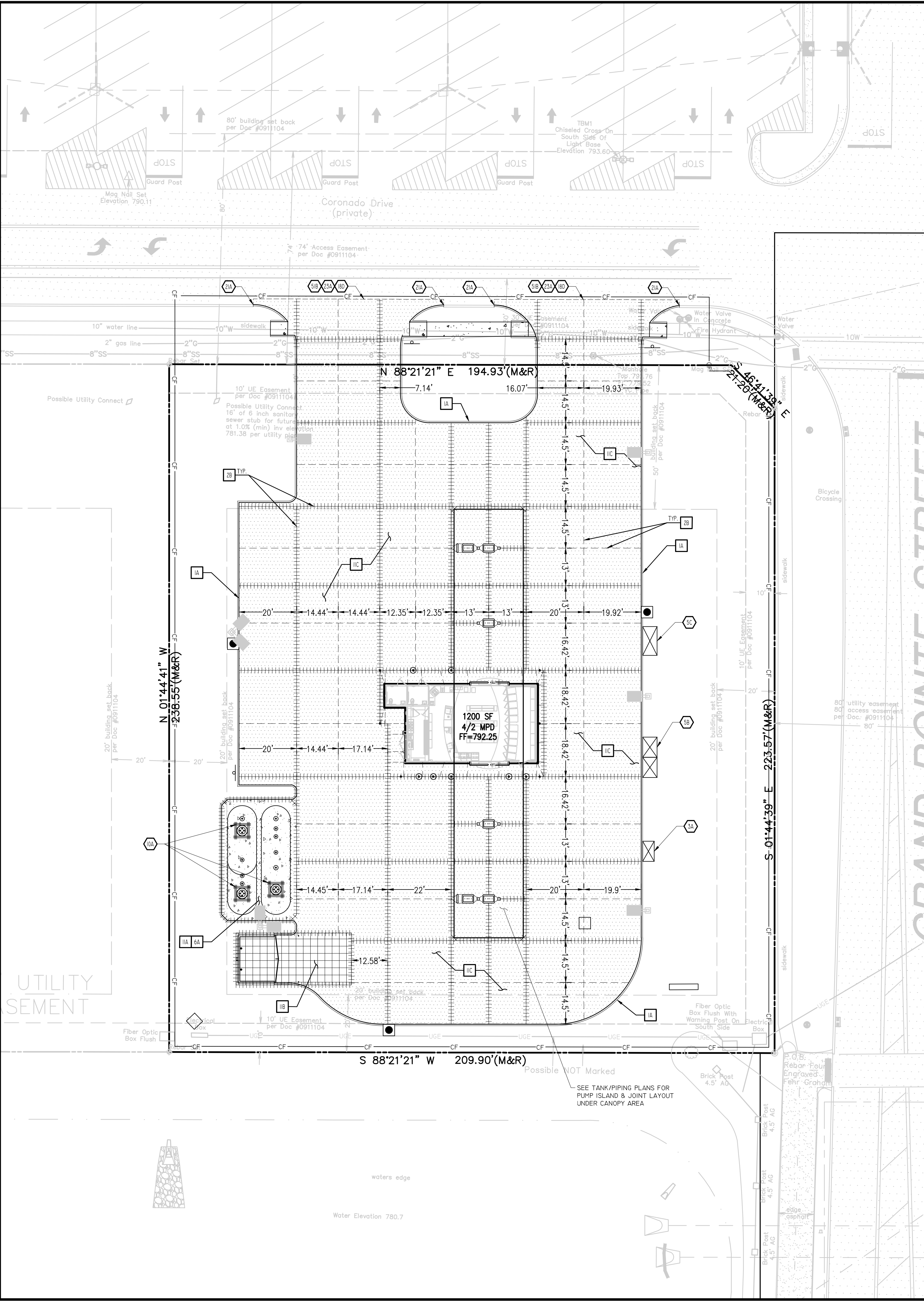
- 22A POINT OF CONNECTION - WATER SERVICE
22L METERED DOMESTIC WATER SERVICE ENTRY PER ARCH. PLANS (SEE SIZES THIS SHEET)
22M PROPOSED WATER METER (SEE SIZE THIS SHEET)
23A POINT OF CONNECTION - SANITARY SEWER SERVICE
23E SANITARY SEWER SERVICE ENTRY (PER ARCH. PLANS)
23F ADJUST MANHOLE RIM TO MATCH FINISH GRADE
24A POINT OF CONNECTION FOR UNDERGROUND ELECTRIC SERVICE.
24D PROPOSED ELECTRIC TRANSFORMER
26A POINT OF CONNECTION FOR UNDERGROUND TELEPHONE.
29A MAINTAIN MIN 18" VERTICAL SEPARATION
29D VERIFY LOCATION AND DEPTH OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY

UTILITY DETAILS

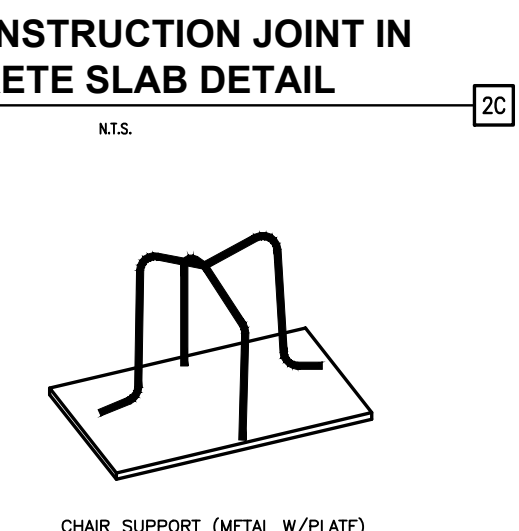
- 40C SANITARY SEWER CLEAN-OUT
41G REDUCED PRESSURE ZONE BACKFLOW PREVENTER
42B SANITARY SEWER & WATER TRENCHING AND BEDDING
76B SANITARY SEWER CONNECTION TO EXISTING STUB-OUT
76F GREASE TRAP & SAMPLE WELL (MODEL SHOWN OR APPROVED EQUAL, SEE SHEET C-11)

Project information including Engineering Associates, Inc., 200 Peach Street, P.O. Box 7000, El Dorado, AR 71730-7000, and drawing title 'UTILITY PLAN WAL-MART SUPERCENTER # 933 311 EAST HIGHWAY 38'.

JOB # 27554, DRAWING: 27554-PROJ.DWG LAST SAVED BY: JIBARRA



- INSTALLATION STEPS:**
1. TERMINATE STAKES BELOW THE TOP OF THE BOARD A DISTANCE EQUAL TO THE DEPTH OF THE G-SEAL PROFILE PLUS 1/4" MIN.
 2. USE FACTORY FABRICATIONS FOR INTERSECTIONS AND CHANGES OF DIRECTION. INSURE ALL SECTIONS TO BE SPICED ARE CUT SQUARE AND BOND TOGETHER USING G-SEAL ADHESIVE.
 3. SECURE G-SEAL TO THE EXPANSION BOARD WITH STAPLES, NAILS, SCREWS (APPROXIMATELY 18" ON CENTER) OR ADHESIVE TO PREVENT DISLOCATION DURING CONCRETE PLACEMENT.
 4. SECURE SPEED LOAD SLEEVES TO THE EXPANSION BOARD WITH STAPLES, NAILS, SCREWS DURING CONCRETE PLACEMENT.
 5. PLACE CONCRETE USING NORMAL PLACEMENT TECHNIQUES, UTILIZING THE G-SEAL AS A SCREED RAIL, VIBRATE CONCRETE TO INSURE GOOD CONSOLIDATION AROUND G-SEAL AND SPEED LOAD.
 6. INSERT SMOOTH DOWEL TO SPEED LOAD SLEEVES AND PLACE CONCRETE USING NORMAL PLACEMENT TECHNIQUES, UTILIZING THE G-SEAL AS A SCREED RAIL, VIBRATE CONCRETE TO INSURE GOOD CONSOLIDATION AROUND G-SEAL AND REBAR.



- INSTALLATION STEPS:**
1. CONTRACTOR SHALL UTILIZE THE APPROPRIATE SUPPORT DEVICE TO ACCEPT MESH OR REBAR REINFORCEMENT TYPES.
 2. CHAIR SUPPORTS SHALL BE PLACED AT THREE FEET (3') O.C.E.W. MIN. SPACING.
 3. SUPPORT SHALL BE SIZED TO PROVIDE ADEQUATE STRUCTURAL SUPPORT DURING CONSTRUCTION AND MAINTAIN THE REINFORCEMENT WITHIN THE CENTER OF THE PAVEMENT SECTION.

811
Know what's below.
Call before you dig.

Scale in Feet: 0, 20', 30', 40'

North Arrow

EXISTING

---	BOUNDARY LINE	WV	FIRE HYDRANT
---	EXISTING BUILDING	WV4	WATER VALVE
---	LAND LOT LINE (LLL)	WV4	GAS VALVE
---	PROPERTY LINE	WV4	WATER METER
---	UTILITY POLE (UP), OVERHEAD LINES & GUY	WV4	GAS METER
---	TREE LINE	WV4	WELL
---	SANITARY SEWER MANHOLE (SSMH)	WV4	MONITORING WELL
---	SANITARY CLEAN-OUT (SCO)	WV4	POST INDICATOR VALVE
---	TELEPHONE MANHOLE OR PEDESTAL	WV4	MAILBOX
---	DOUBLE-WING CATCH BASIN	WV4	STREET SIGN
---	SINGLE-WING CATCH BASIN	WV4	UNKNOWN UTILITY STUB OUT
---	JUNCTION BOX (JB)	WV4	CONCRETE
---	DROP OR CURB INLET (DI OR CI)	WV4	FIRE DEPT CONNECTION
---	FENCE	WV4	HANDICAPPED
---	DRAINAGE DITCH OR SWALE	WV4	IRRIGATION CONTROL VALVE
---	EXISTING 5 FOOT CONTOUR	WV4	R/W
---	EXISTING 1 FOOT CONTOUR	WV4	RIGHT-OF-WAY
---	EXISTING GRADE SPOT ELEVATION	WV4	STORM DRAIN
---	DIRECTION OF SURFACE FLOW	WV4	REBAR FN FOUND
---	RECORDED DATA	WV4	OPEN TOP PIPE FOUND
---	PARKING SPACE COUNT	WV4	CRIMP TOP PIPE FOUND
---	ELECTRICAL TRANSFORMER BOX	WV4	CONCRETE MONUMENT FOUND
---		WV4	ROD FOUND
---		WV4	BRASS DISK FOUND
---		WV4	AXLE FOUND
---		WV4	REBAR PIN SET

PROPOSED

---	CONCRETE CURB AND GUTTER
---	CONSTRUCTION FENCE (SEE DETAIL SHEET C-6)
---	EXTERIOR TILE. CONTRACTOR TO USE 12"x12" PORCELAIN TILE FLOORING, SCHLITZER-DITRA BRAND, RED CLAY COLOR. (SUPPLY BY MURPHY)

- GENERAL PAVING NOTES**
- CONCRETE ON ASPHALT UTILITY CUT REPAIRS TO BE DYED TO MATCH SURROUNDING ASPHALT.
 - PREPARE SUBGRADE PER GEOTECH REPORT. GEOTECH REPORT PREPARED BY EGS DATED FEBRUARY 8, 2013.
 - SEE ASSOCIATED PLANS FOR CANOPY, COLUMN, PUMP ISLAND DETAILS AND LAYOUT.
 - THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK PURPOSES ONLY. REFER TO SITE PLAN FOR RELATIONSHIP OF THESE STRUCTURES TO EXISTING CONDITIONS AND REFERENCE POINTS.
 - 1/2" FOAM EXPANSION JOINT MATERIAL SHALL SURROUND THE CANOPY COLUMNS, U-BUMPERS, BOLLARDS AND DISPENSER ISLANDS AT GRADE. SEE TANK-PIPING PLANS (STANDARD YARD AND DRIVE DETAILS).
 - SEE TANK-PIPING PLANS FOR NOTES ON REBAR REINFORCING AROUND UST MANHOLE.
 - SEE TANK-PIPING PLANS FOR PUMP ISLAND & JOINT LAYOUT UNDER CANOPY AREA.
 - DOWELED JOINTS SHALL BE LOCATED ON 12" CENTERS, ALONG THE INSIDE OF THE MOST EXTERIOR SLABS. DOWELS SHALL BE SMOOTH TYPE AND INSERTED INTO GREENSTREAK SPEED DOWEL FORMS. THE DOWEL IS LOCATED AT MID-SLAB DEPTH AND HELD IN PLACE LEVEL AND PERPENDICULAR TO THE JOINT USING SPEED DOWEL, WHICH REMAINS WITH THE FORM. AFTER THE FORMS ARE STRIPPED, THE DOWELS SHOULD BE CHECKED TO ASSURE FULL INSERTION AND ALIGNMENT IN THE INITIAL SLAB BEFORE POURING THE ADJACENT SLAB. DOWELS OCCURRING UNDER AND PARALLEL TO CONTROL JOINTS SHOULD BE DELETED.

PAVING NOTES

3A	AIR/VAC UNIT MOUNTING SLAB
5B	ICE BOX MOUNTING SLAB
5C	PROPANE BOX MOUNTING SLAB
10A	TANK MANHOLE REINFORCEMENT (SEE TANK/PIPING PLANS FOR ADDITIONAL DETAILS)
18D	MATCH EXISTING PAVEMENT ELEVATIONS
21A	TAPER CURB TO MATCH EXISTING CURB
23A	ASPHALT ABUTTING JOINT
51B	LIMITS OF SAWCUT AND PAVEMENT REMOVAL

PAVING DETAILS

1A	TYPE "A" CONCRETE CURB AND GUTTER
2B	TOOLED CONTROL JOINT
2C	DOWEL CONSTRUCTION JOINT IN CONCRETE SLAB
6A	CHAIR SUPPORT FOR REINFORCED CONCRETE PAVEMENT
11A	8" CONCRETE PAVING FOR TANK
11B	8" HEAVY DUTY CONCRETE DUMPSTER PAD
11C	5" CONCRETE PAVING

MURPHY OIL U.S.A. INC.
200 PEACH STREET
P.O. BOX 7000
EL DORADO, AR 71730-7000

MURPHY USA

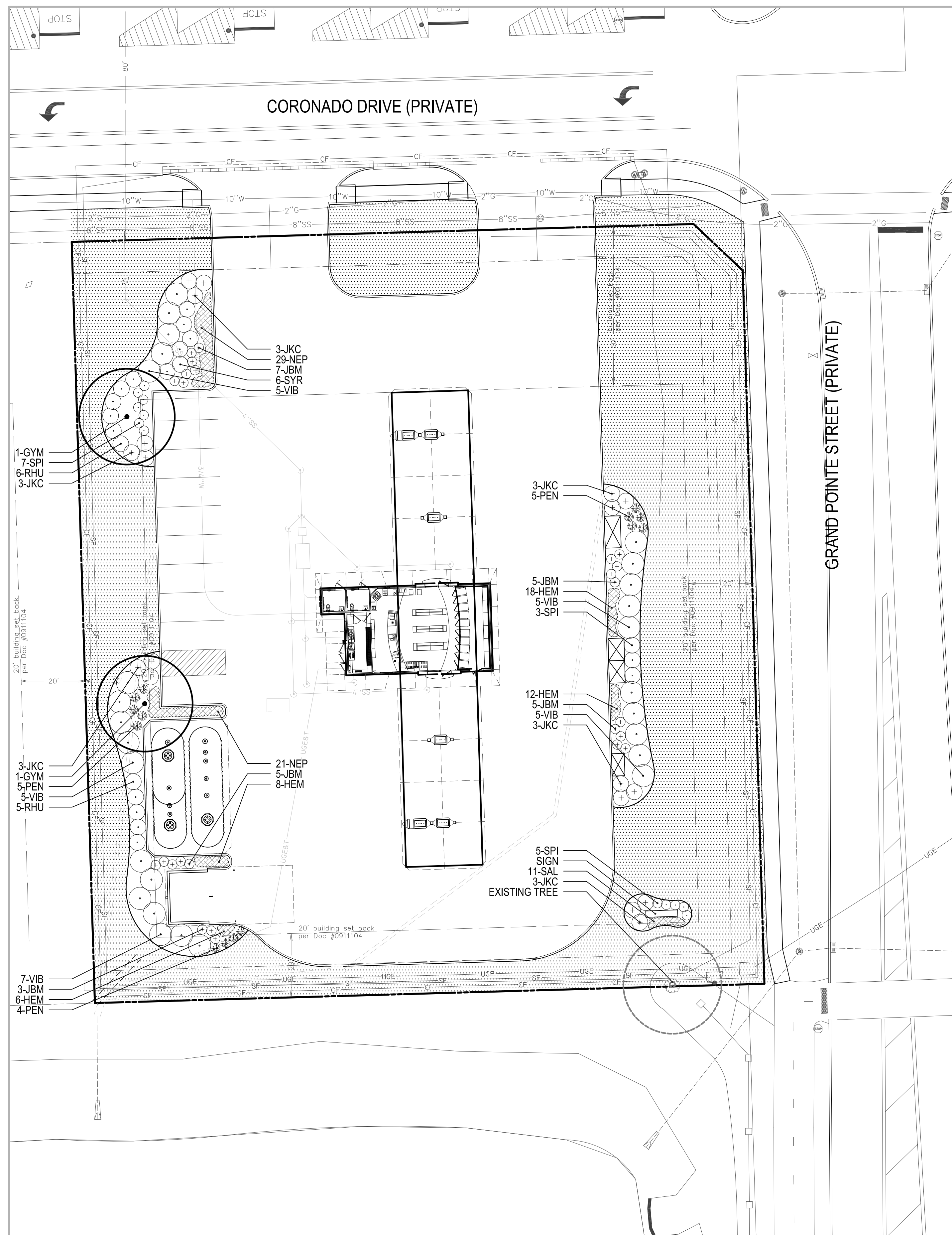
Engineering Associates, Inc.
3300 LBJ FREEWAY, SUITE 100
DALLAS, TX 75254
PHONE: (972) 248-6732
FAX: (972) 248-6732
JOB NO.: 27554

CEI ENGINEERING ASSOCIATES, INC.

SHEET NO. C-8

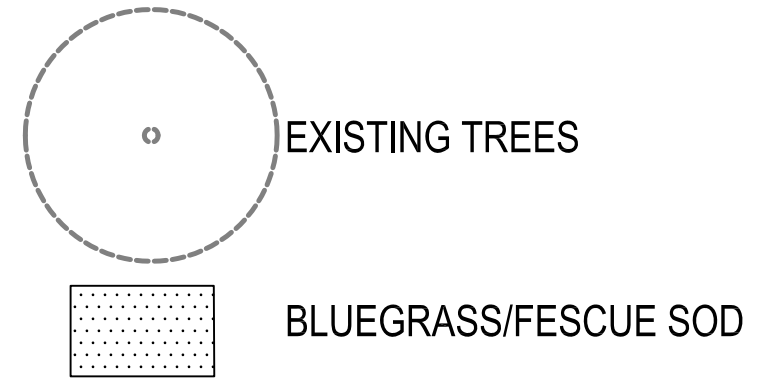
PAVING PLAN
WAL-MART SUPERCENTER # 933
311 EAST HIGHWAY 38
ROCHELLE ILLINOIS

DATE: 4/19/13
LWY: LWY
EWP: EWP
DES: DES
DRW: DRW
REL-O: REL-O



Plant List

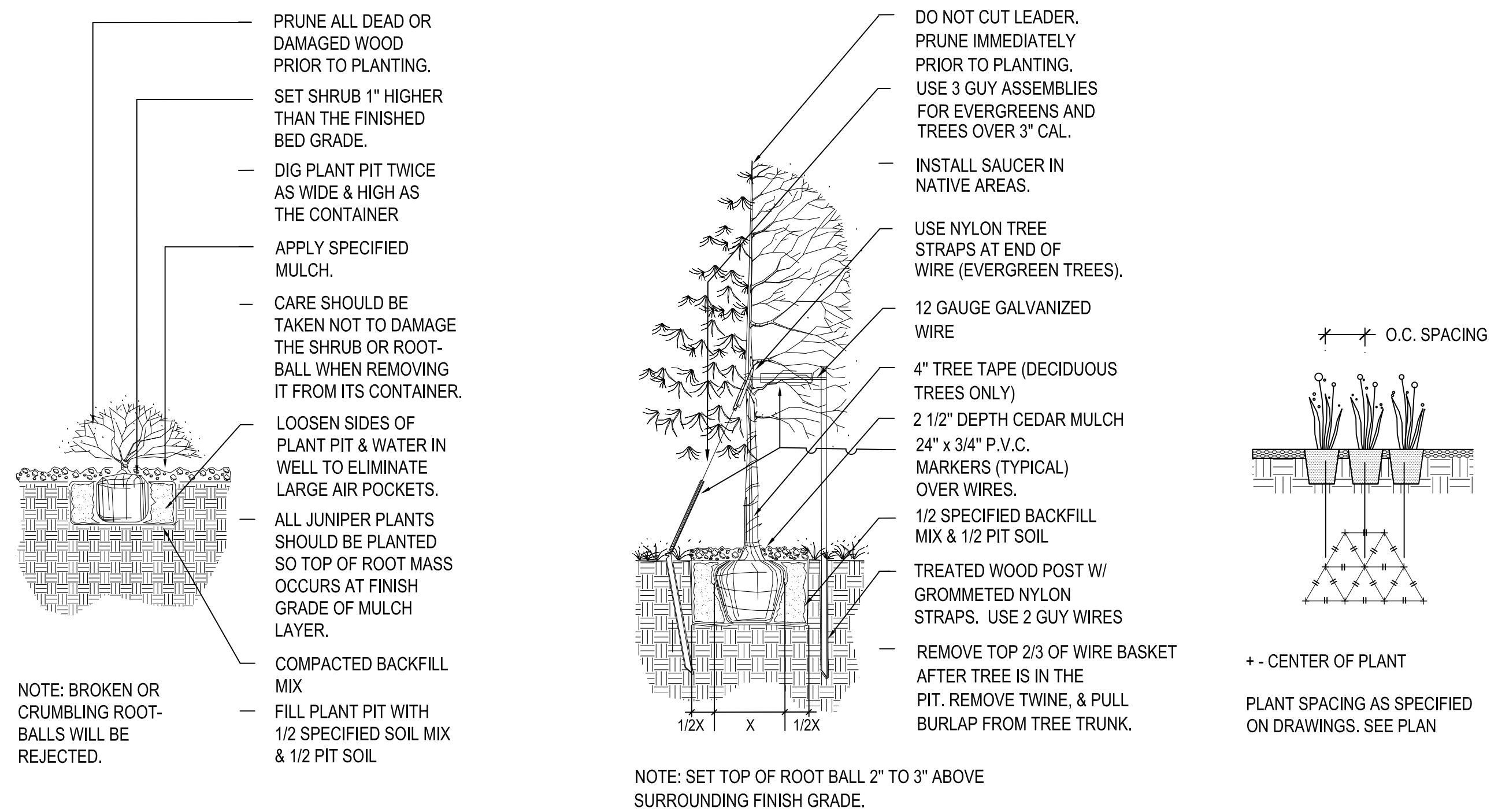
ABBRV.	LATIN NAME	COMMON NAME	QUANTITY	SIZE & SHAPE
DECIDUOUS TREES				
GYM	Gymnocladus dioica	KENTUCKY COFFEE TREE	2	2.5"/CENTRAL LEADER
EVERGREEN SHRUBS				
JKC	Juniperus chinensis 'Kallay's Compact'	KALLAYS COMPACT JUNIPER	18	#5 CONT.
JBM	Juniperus sabinia 'Blue Mountain'	BLUE FOREST JUNIPER	22	#3 CONT.
DECIDUOUS SHRUBS				
RHU	Rhus aromatica 'Gro-low'	GROW LOW SUMAC	11	#5 CONT.
SPI	Spiraea betulifolia 'Tor'	BIRCHLEAF SPIREA	15	#5 CONT.
SYR	Syringa meyeri 'Palbin'	DWARF KOREAN LILAC	6	#5 CONT.
VIB	Viburnum dentatum 'Ralph Senior'	AUTUMN JAZZ VIBURNUM	27	#5 CONT.
ORNAMENTAL GRASSES				
PEN	Pennisetum alopecuroides	FOUNTAIN GRASS	14	#1 CONT.
PERENNIALS				
HEM	Hemerocallis 'Rosy Returns'	ROSY RETURNS DAYLILY	44	1 GAL. 18"O.C.
NEP	Nepeta 'Walkers Low'	WALKERS LOW CATMINT	50	1 GAL. 24"O.C.
SAL	Salvia nemorosa 'May Night'	MAY NIGHT SALVIA	11	1 GAL. 18"O.C.



Notes

- The Landscape Contractor shall be responsible for installing materials and plants shown on the landscape plan.
- All nursery stock will be well branched, healthy, full, pre-inoculated and fertilized. Deciduous trees shall be free of fresh scars. trunks will be wrapped if necessary to prevent sun scald and insect damage. The landscape contractor shall remove the wrap at the proper time as a part of this contract.
- All nursery stock shall be guaranteed, by the contractor, for one year from date of final inspection.
- Clean viable earth will be provided and graded by the General Contractor up to 4 inches below finished grade in turf areas and 18 inches in planting areas.
- Soil shall be amended with 25% sphagnum peatmoss, 10% humus and 65% pulverized soil for all shrub, ornamental grass, perennial and annual beds.
- Double shredded hardwood mulch shall be applied four inches in depth to all perennial beds and tree rings. Mulch shall not contain any form or other wastes.
- A chemical weed preventative barrier shall be applied in all wood mulch areas. Edger is not required when adjacent to curbs, walls or walks.
- Local Utilities will need to be contacted before any type of work is done on the site.
- Do not disturb paving, lighting, landscaping, irrigation and/or fencing that is adjacent to the site or on the site to remain. The contractor is responsible for the cost to repair such areas if damaged.
- Notify landscape architect of designated representative of any layout discrepancies prior to any planting.
- All trees are to be guyed per the tree planting detail for a period of one year. During the construction period tighten the guy wires as necessary. The landscape contractor shall remove all guying material after one year.
- Planting beds shall be recessed to prevent the depositing of soil, mulch and other landscape materials on the sidewalk.
- All landscaped areas are to receive organic soil preparation at 3.5 cu. yards/1,000 SF or as noted in the technical specifications.
- See Sheet C-10 Irrigation for irrigation plan.
- Locate all utilities and site lighting conduits before landscape construction begins.
- All landscape materials shall be in compliance with the American Standard for Nursery Stock (ANSI-Z60.1-1986)
- All Wal-Mart property damaged due to construction activities must be replaces/restored to match the existing type and quality of work and materials, and is subject to Wal-Mart approval.
- All slopes and areas disturbed by construction shall be graded smooth and four inches of topsoil applied. If adequate topsoil is not available on site, the contractor shall provide topsoil approved by the owner, as needed. The area shall then be sodded, fertilized, mulched, watered and maintained until hardy grass growth is established in all areas. Any relocated trees shall be maintained until such point as tree is re-established. Any areas disturbed for any reason prior to acceptance of the project shall be corrected by the contractor at no additional cost to the owner.
- The Murphy Station will not drop Wal-Mart's green space below city's requirements.
- Contractor is to verify location of Wal-Mart irrigation system, valve boxes, control boxes, backflow prevention devices and other items which are part of the system. If damaged they must be repaired at contractor's cost.
- Contractor is to protect existing landscaping/irrigation materials.
- Acceptance of grading, seeding, and sodding shall be by landscape architect and/or owner. The contractor shall assume maintenance responsibilities for a minimum of one (1) year or until second cutting, whichever is longer. Maintenance shall include watering, weeding, reseeding, and other operations necessary to keep all lawn areas in a thriving conditions. Upon final acceptance, owner shall assume all maintenance responsibilities. After lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded repeatedly until all areas are covered with a satisfactory stand of grass. Minimum acceptance of seeded lawn areas may include scattered bare spots, none of which are larger than 1 square foot, and when combined do not exceed 2% of total seeded lawn area.
- All permanent turf must be sod.

Planting Details



CONTACT JULIE AT 811 OR 800-892-0123
With the following:
County _____
City/Township _____
Sec. & 1/4 Sec. No. _____
48 HOURS (2 working days) BEFORE YOU DIG

JULIE
ONE CALL CENTER

SCALE: 1" = 20'-0"

NORTH

SHEET NO. C-9

NORRIS DESIGN
Planning | Landscape Architecture

544 Duane Street
Cedar City, UT 84703
P: 801.543.9372
F: 801.780.2204
www.norrisdesign.com

LANDSCAPE
WAL-MART SUPERCENTER #933
311 E. HIGHWAY 38
ROCHELLE

Engineering Associates, Inc.
200 Peach Street
P.O. Box 7000
El Dorado, AR 71730-7000

MURPHY OIL U.S.A. INC.
200 PEACH STREET
P.O. BOX 7000
EL DORADO, AR 71730-7000

MURPHY USA

DATE: 04/16/13
REV: _____
DES: JT
DRW: JT
PM: _____
DFOR: _____
JOB NO.: 27556/PROJ

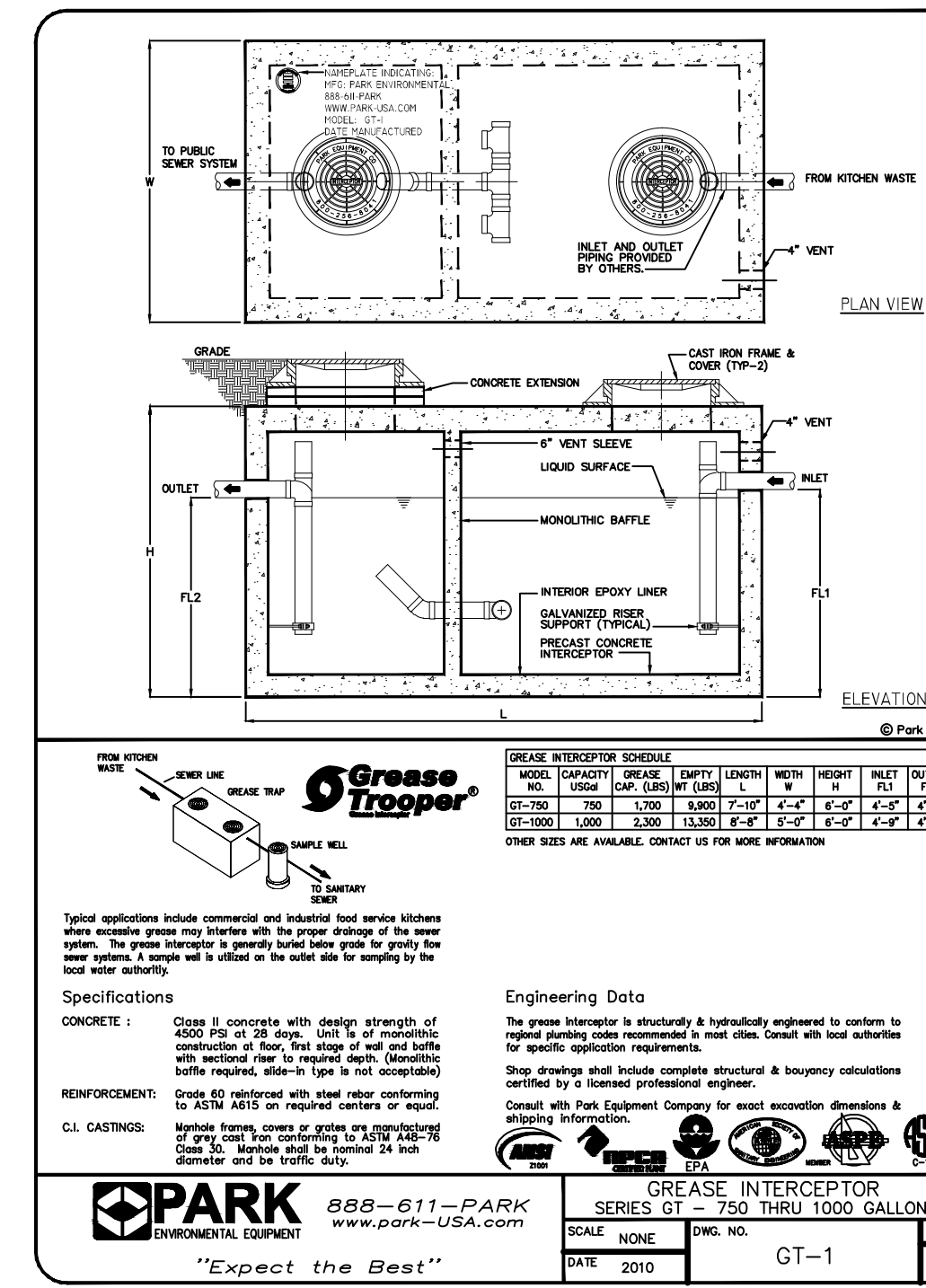
CONCRETE SPECIFICATIONS

- A. CEMENT**
1. PROVIDE AN APPROVED STANDARD BRAND PORTLAND CEMENT CONFORMING TO ASTM C 150.
 2. PROVIDE TYPE I NORMAL STRENGTH OR TYPE III HIGH EARLY STRENGTH.
- B. AIR ENTRAINED CEMENT**
1. PROVIDE AN APPROVED STANDARD BRAND TYPE I-A PORTLAND CEMENT CONFORMING TO ASTM C 494.
- C. ALL CONCRETE FLAT WORK SHALL HAVE A MINIMUM OF 4" COMPACTED GRANULAR BEDDING.**
- D. FINE AGGREGATES**
1. PROVIDE FINE AGGREGATES CONFORMING TO ASTM C 33 CONSISTING OF NATURAL SAND HAVING CLEAN, HARD, STRONG, DURABLE, UNCOATED GRAINS, FREE OF INJURIOUS AMOUNTS OF DUST, LUMPS, SOFT OR FLAKY PARTICLES, SHALE, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES.
 2. PROVIDE FINE AGGREGATES WITH A MINIMUM OF NINE PERCENT PASSING THROUGH A NO. 100 SIEVE.
 3. IN ADDITION NOT MORE THAN 45 PERCENT IS TO BE RETAINED BETWEEN ANY TWO CONSECUTIVE SIEVES.
- E. COARSE AGGREGATES**
1. PROVIDE COARSE AGGREGATES CONFORMING TO ASTM C 33 CONSISTING OF CRUSHED STONE OR WASHED GRAVEL HAVING A CLEAN, HARD, STRONG, DURABLE, UNCOATED, PARTICLE FREE FROM INJURIOUS AMOUNTS OF SOFT OR FLAKY PIECES, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES.
 2. PROVIDE COARSE AGGREGATE WITH A MAXIMUM OF 1-1/2 INCHES, WITH A MINIMUM OF 95 PERCENT PASSING A 1-1/2 INCH SIEVE.
 3. NOT MORE THAN FIVE PERCENT IS TO PASS A NO. 4 SIEVE.
- F. WATER**
1. USE CLEAN WATER FREE OF INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALI, SILTS, ORGANIC MATERIALS, OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR STEEL.
- G. ALL CONCRETE SHALL BE PLACED ON VAPOR BARRIER OF 4 MIL OR GREATER POLYETHYLENE TO ASSURE COMPLETE HYDRATION OCCURS.**
- H. CONCRETE MIX DESIGN**
1. REQUIRE BATCH TICKETS TO BE FURNISHED UPON DELIVERY OF THE CONCRETE TO ENSURE CONCRETE MEETS THE SPECIFICATION. CONTRACTOR TO PROVIDE PLANT BATCH CERTIFICATES TO OWNERS' REPRESENTATIVE.
 2. PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM OF SIX BAGS (564 LBS.) OF CEMENT IN EACH CUBIC YARD OF CONCRETE CONFORMING TO ASTM C 94 FOR READY-MIXED CONCRETE. ALL CONCRETE SHALL BE CERTIFIED AS HIGH-EARLY STRENGTH, 4000 P.S.I. 28-DAY COMPRESSIVE STRENGTH READY-MIXED CONCRETE.
 3. DO NOT EXCEED THE MAXIMUM WATER CEMENT RATIO OF 0.44 (FIVE GALLONS/BAG OF CEMENT).
 4. PROVIDE CONCRETE WITH A MAXIMUM FOUR INCH SLUMP WHEN TESTED WITH A STANDARD SLUMP CONE CONFORMING TO ASTM C 143. SLUMP SHALL BE 4-5".
 - a) IF CONCRETE DEVELOPS CONSISTENCY OF DIFFICULT WORKABILITY, THEN A SUPER PLASTICIZER ADMIXTURE MAY BE USED WHEN APPROVED BY MURPHY OIL USA, INC. DO NOT ADD WATER TO INCREASE SLUMP.
 - b) CALCIUM CHLORIDE SHALL NOT BE USED.
 - c) CURING COMPOUND TO BE MASTER BUILDERS' MASTERKURE OR TAMS INDUSTRIES' TRI-DOR 44, APPLIED PER MANUFACTURER'S SPECIFICATIONS.
- I. PROVIDE AIR ENTRAINED CONCRETE FOR ALL CONCRETE TO BE FINISHED INCLUDING FOUNDATIONS, WALKS, PAVEMENTS, AND RETAINING WALLS.**
1. AIR ENTRAINED IS TO BE A MINIMUM OF FIVE PERCENT AND MAXIMUM OF SEVEN PERCENT BY VOLUME.
 2. MEASURE THE AIR CONTENT AT THE POINT OF DISCHARGE INTO FORMS.
- J. PLACING CONCRETE**
1. MIX AND PLACE CONCRETE FOLLOWING ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
 2. SCHEDULE CONCRETING THAT ONCE STARTED REMAINS A CONTINUOUS OPERATION UNTIL THE PARTICULAR SECTION OR PANEL HAS BEEN COMPLETED.
 3. PROVIDE CONSTRUCTION JOINTS AS INDICATED.
 4. DEPOSIT CONCRETE INTO THE FINAL POSITION AT THE SPECIFIED SLUMPS WITHOUT SEGREGATION BY RE-HANDLING OR FLOWING.
 - a) DEPOSIT CONCRETE AT A RATE THAT CONCRETE REMAINS PLASTIC AND FLOWABLE INTO THE SPACES BETWEEN THE REINFORCING BARS.
 - b) DO NOT DEPOSIT FRESH CONCRETE ON CONCRETE THAT HAS HARDENED SUFFICIENTLY TO CAUSE FORMATION OF SEAMS OR PLANES OF WEAKNESS WITH THE SECTION OR PANEL.
 - c) DO NOT DEPOSIT PARTIALLY HARDENED CONCRETE OR CONCRETE THAT HAS BEEN CONTAMINATED BY FOREIGN MATERIALS.
 - d) DO NOT RE-TEMPER CONCRETE.
 5. THOROUGHLY COMPACT CONCRETE BY MEANS OF MECHANICAL VIBRATORS SUPERVISED BY EXPERIENCED PERSONNEL.
 - a) PROVIDE SUFFICIENT VIBRATION INTENSITY TO CAUSE FLOW OR SETTLEMENT AROUND REINFORCEMENT, EMBEDDED ITEMS, AND CORNERS OF THE FORMS; BUT NOT LONG ENOUGH TO CAUSE SEGREGATION OF THE MIX.
 - b) SUPPLEMENT MECHANICAL VIBRATION BY HAND SPADING IN CORNERS AND ANGLES OF THE FORMS AND ALONG FORM SURFACES WHILE THE CONCRETE IS PLASTIC TO ENSURE EVEN DENSE SURFACES FREE FROM AGGREGATE POCKETS OR HONEYCOMBS.
 6. PROTECT CONCRETE FROM EXCESSIVE HEAT AND PREMATURE DRYING BY THE USE OF KRAFT PAPER AND WATER MIST.
 7. COAT CONCRETE AFTER ALL FINISHING IS COMPLETE USING THE SPECIFIED CURATIVE AGENTS.
 8. IF SAW CUTTING IS EMPLOYED, IT MUST OCCUR FROM 8-12 HOURS AFTER INITIAL SET.
 - a) SPALLING DUE TO SAW CUTTING ACTIONS MAY RESULT IN REJECTION OF THE CONCRETE WORK.
- K. COLD WEATHER REQUIREMENTS**
1. FOLLOW THE REQUIREMENTS OF ACI 306.1-90 AND THE FOLLOWING
 - a) REFER TO: "RECOMMENDED PRACTICES FOR COLD WEATHER MASONRY CONSTRUCTION" AS PUBLISHED BY INTERNATIONAL MASONRY INDUSTRY ALL WEATHER COUNCIL FOR TYPICAL COLD WEATHER MASONRY PRACTICES TO BE FOLLOWED.
 - b) PROVIDE ADEQUATE EQUIPMENT FOR HEATING CONCRETE MATERIALS, AND FOR PROTECTION OF THE CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
 - c) MAINTAIN CONCRETE MATERIALS, REINFORCEMENT, FORM WORK, FILLERS, AND GROUT TO BE IN CONTACT WITH THE CONCRETE FREE OF FROST. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE.
 - d) PROVIDE CONCRETE, DELIVERED IN COLD WEATHER, WITH THE FOLLOWING TEMPERATURES

AIR TEM.	MIN. CONCRETE TEMP.
30-40 F	60 F
0-30 F	65 F
BELOW 0 F	70 F
 - e) WHEN PRODUCING CONCRETE WITH HEATED AGGREGATES, HEATED WATER OR BOTH, DO NOT ALLOW CONCRETE TO EXCEED 90F DURING PRODUCTION OR TRANSPORTATION.
 - f) ALL CONCRETE SLABS PLACED AT AIR TEMPERATURES FROM 20F TO 50F MAY HAVE AN ACCELERATING WATER REDUCING ADMIXTURE ADDED TO ACCELERATE SETTING TIME AND STRENGTH ADMIXTURE COMPLYING WITH ASTM C 494, TYPE C.
 - 1) ACCEPTABLE ADMIXTURES ARE EUCLID CHEMICAL COMPANY'S "ACCELGAURD 90", OR EQUAL PRODUCTS BY W.R. MEADOWS, INC. OR W.R. GRACE & CO.
 - a) ADD ACCELGAURD 80 W./ WATER & AGGREGATE TO THE READY MIX CONCRETE TRUCK, BUT DO NOT DISPENSE ONTO DRY CONCRETE.
 - b) FOR TEMPERATURES 32° F - 60° F, ADD AT A RATE OF 16OZ./100 LBS. OF CONCRETE.
 - c) FOR TEMPERATURES BELOW 32° F, HEAT AGGREGATE AND USE WARM WATER SO THAT WHEN MIXED CONCRETE TEMPERATURE WILL BE ABOVE 60°.
 - 2) FOLLOW THE MANUFACTURER'S INSTRUCTION FOR THE QUANTITY TO BE ADDED TO THE CONCRETE MIX, DEPENDING UPON THE AMBIENT TEMPERATURE, DESIRED RATE OF ACCELERATION, EARLY STRENGTH GAIN, AND STRIPPING SCHEDULE.
 - g) MAINTAIN CONCRETE ABOVE 50F IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT FOLLOWING THE RECOMMENDATIONS OF ACI 308-92.

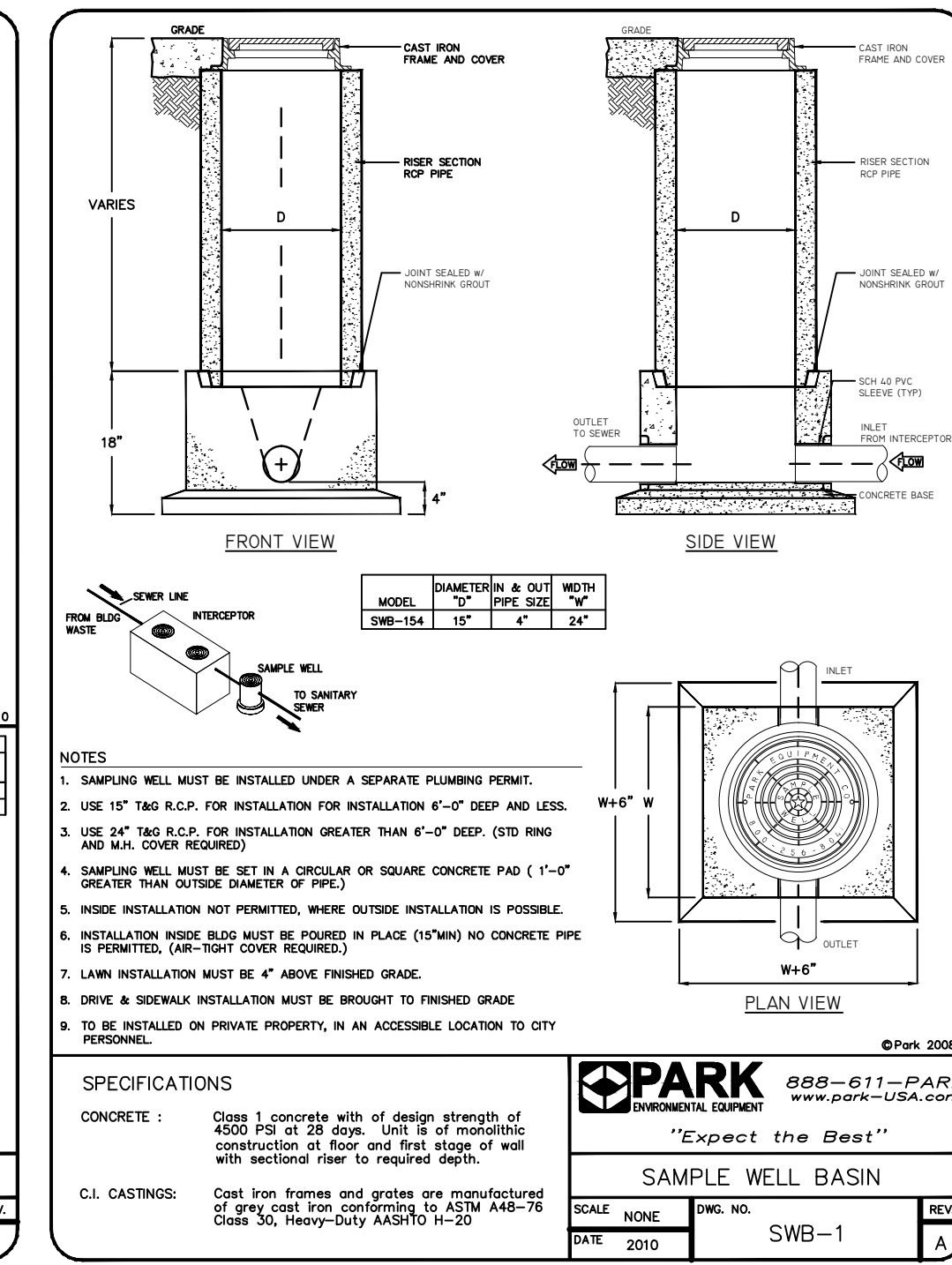
CONCRETE (CONTINUED)

- L. HOT WEATHER REQUIREMENTS**
1. FOLLOWING THE REQUIREMENTS OF ACI 305R.
 2. DURING HOT WEATHER, TAKE STEPS TO REDUCE CONCRETE TEMPERATURE AND WATER EVAPORATION BY PROPER ATTENTION TO INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING PROTECTION, AND CURING.
 3. THE PREFERRED PROTECTION IS A COVERING OF KRAFT PAPER, CONFORMING TO ASTM C 171, FOR A TWENTY FOUR HOUR PERIOD AFTER PLACEMENT.
- M. CONCRETE FORMWORK**
1. PROVIDE DRESSED LUMBER OR MANUFACTURED FORMS CONFORMING TO THE SHAPE, LINES, AND DIMENSIONS OF CONCRETE STRUCTURES INDICATED ON THE DRAWINGS; FREE FROM DEFECTS AND SUFFICIENTLY TIGHT TO PREVENT LEAKAGE OF MORTAR.
 2. ALL WOODEN FORMS TO BE NO LESS THAN THE SPECIFIED DEPTH OF THE SLAB TO BE POURED, AND NOT LESS THAN NOMINAL 2' X 4' SIZE.
 3. STAKING FOR STRAIGHT SECTIONS SHALL OCCUR NOT LESS FREQUENTLY THAN EVERY FOUR FEET AND SHALL BE BOTH INSIDE AND OUTSIDE OF THE FORM.
 4. FOR CURVES, STAKING SHALL OCCUR NOT LESS THAN EVERY FOOT, AND SHALL BE BOTH INSIDE AND OUTSIDE OF THE FORM.
 5. STEEL FORMS SHALL BE STAKED ACCORDING TO THEIR DESIGN REQUIREMENTS.
 6. ALL REMOVABLE FORMS SHALL BE COATED WITH FORM - RELEASE OIL PRIOR TO PLACEMENT OF CONCRETE.
 7. CYLINDRICAL FORMS SHALL BE OF NEW SONOTUBE OR EQUIVALENT DISPOSABLE MATERIALS.
 - a) THESE MATERIALS MUST BE REMOVED COMPLETELY AFTER USE. ISLAND FORMS SHALL BE POSITIONED USING MASONRY BLOCKING AND STEEL STAKES BOTH INSIDE AND OUTSIDE OF THE FORM, TO ACHIEVE AN AVERAGE AS PER REVEAL HEIGHT AS MEASURED AT THE CENTER OF ANY LONG SIDE OF THE ISLAND, SEE DRAWINGS FD-1 AND FD-2.
 8. THE SIDES OF THE ISLAND FORM SHALL BE SHIMMED AGAINST THE STAKES TO PROVIDE A PERFECTLY PLUMB FREEBOARD.
 9. ALL EDGES CREATED BY REMOVABLE FORMS SHALL BE TOOL-RADIUSED AFTER SURFACE FINISHING TO PROVIDE A SMOOTH BORDER ON ALL SLABS.
 10. FORMS SHALL BE REMOVED NO SOONER THAN 24 HOURS FROM THE TIME OF THE POUR.
 11. PROPERLY BRACE OR THE FORMS TOGETHER TO MAINTAIN SHAPE AND POSITION.
 12. PROPER SQUARE EDGE WOOD OR, IF AVAILABLE, METAL FORMS FOR FLOOR SLABS.
 13. BEFORE POURING CONCRETE, REMOVE ALL DEBRIS FROM THE FORMWORK.
 14. WET DOWN FORMWORK PRIOR TO PLACEMENT, OR APPLY A FORM RELEASE AGENT FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
 15. DO NOT REMOVE FORMWORK AND BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT, CONSTRUCTION LOADS, AND DESIGN LOADS WHICH ARE LIABLE TO BE IMPOSED ON IT.
 16. REMOVE FORMS IN A MANNER TO ASSURE THE COMPLETE SAFETY OF THE STRUCTURE.
 17. DO NOT PLACE ANY CONCRETE IF THE SUB GRADE HAS STANDING WATER OR IS MUDDY.
- N. STEEL REINFORCEMENT**
1. PROVIDE REINFORCING BARS CONFORMING TO ASTM A 615, GRADE 60 FREE OF LOOSE FLAKY RUST, MUD, OIL, OR OTHER COATINGS WHICH WILL ADVERSELY AFFECT BONDING CAPACITY.
 2. PLACE REINFORCEMENT ACCURATELY AND ADEQUATELY SUPPORTED BY CONCRETE MASONRY UNITS OR OTHER APPROVED SPACERS.
 3. SECURE REINFORCEMENT AGAINST DISPLACEMENT WITHIN TOLERANCES SPECIFIED IN "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318).
 4. HOLD BARS IN PLACE USING A MINIMUM 18 GAUGE ANNEALED IRON WIRE.
 5. SPLICES IN DEFORMED REINFORCING BARS WILL NOT BE PERMITTED UNLESS APPROVED BY MURPHY OIL USA, INC.
 6. REINFORCING ROD TO COMPLY WITH ASTM 615, GRADE 60.
- O. ALTERNATE WELDED WIRE FABRIC REINFORCEMENT**
1. ONLY WHEN INDICATED ON THE DRAWINGS, PROVIDE WELDED WIRE FABRIC CONFORMING TO ASTM A 185 FOR 6X6 W2.9 X W2.9 IN FLAT SHEETS UNLESS OTHERWISE INDICATED.
 2. INSTALL WELDED WIRE FABRIC IN LENGTHS AS LONG AS PRACTICAL.
 3. THE MINIMUM OVERLAP LENGTH, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT TO BE LESS THAN ONE SPACING OF CROSS WIRES PLUS TWO INCHES.
- P. FOUNDATIONS**
1. PROVIDE SMOOTH FINISH AT ALL EXPOSED SURFACES.
 2. CONSTRUCT CORNERS WITH A ONE INCH CHAMFER.
 3. INCREASE THE DEPTH OF FOUNDATIONS, IF REQUIRED BY FROST LINE CONDITIONS OR BY LOCAL CODES.
 4. OBTAIN MURPHY OIL USA, INC. APPROVAL OF ADDITIONAL DEPTH REQUIREMENTS BEFORE PLACING CONCRETE.
 5. CONSTRUCT TOP ELEVATION OF FOUNDATIONS TO WITHIN +1/4 INCH OF THE ELEVATION INDICATED ON THE DRAWINGS.
 6. INSTALL ANCHOR BOLTS WITH A HORIZONTAL TOLERANCE OF +1/8 INCH AND A VERTICAL ALIGNMENT OF +1/8 INCH OUT OF PLUMB.
- Q. GROUT**
1. PROVIDE NON-METALLIC, NON-SHRINK, PREMIXED NON-STAINING GROUT CONTAINING SELECTED SILICA SANDS, ASTM C 150 TYPE I PORTLAND CEMENT, AND SHRINKAGE COMPENSATING AGENTS.
 2. ACCEPTABLE PRODUCTS ARE "EMBECO" BY MASTER BUILDERS AND "FIVE STAR GROUT" BY U.S. GROUT CORPORATION.



GREASE TRAP AND SAMPLE WELL

N.T.S.



NOTES:

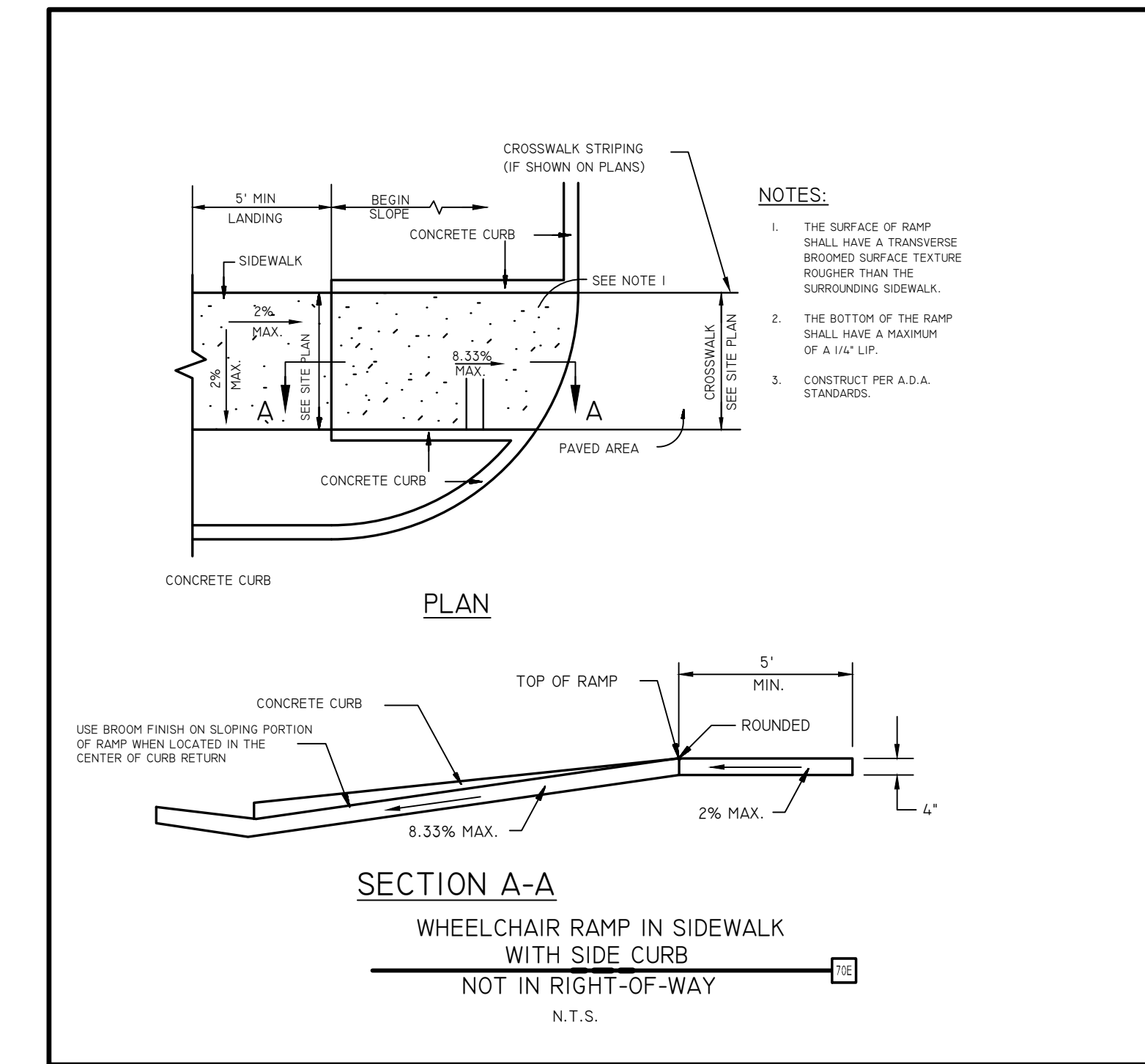
1. SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
2. USE 10" TAG R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP AND LESS.
3. USE 24" TAG R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP (STD RING AND MAN HOLES REQUIRED).
4. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE).
5. INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
6. INSTALLATION INSIDE BLDG MUST BE POURED IN PLACE (15MIN) NO CONCRETE PIPE IS PERMITTED (USE-RIGHT COVER REQUIRED).
7. LAMP INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
8. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE.
9. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

SPECIFICATIONS:

- CONCRETE: Class 1 concrete with design strength of 4000 PSI at 28 days. Unit of measuring construction of floor and first stage of wall with indicated floor to required depth.
- C.I. CASTINGS: Cast iron frames and grates are manufactured of gray cast iron conforming to A518 or A48-70 Class 20. Heavy-duty AASHTO 10-30.

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SCALE NONE
DATE 2010
REV. A

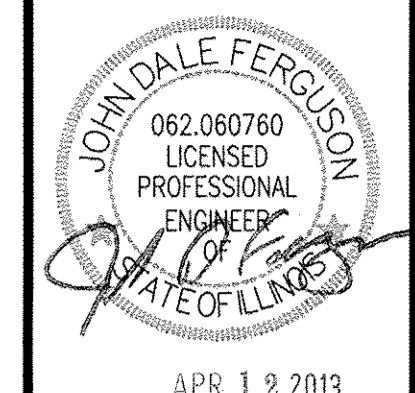


SECTION A-A

WHEELCHAIR RAMP IN SIDEWALK WITH SIDE CURB

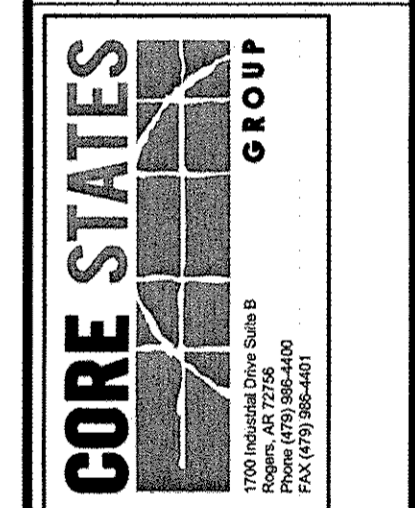
NOT IN RIGHT-OF-WAY

N.T.S.



APR 12 2013

PHOTOMETRIC PLAN
MURPHY USA
WALMART SUPERCENTER #933, 311 E ROUTE 38
ROCHELLE ILLINOIS



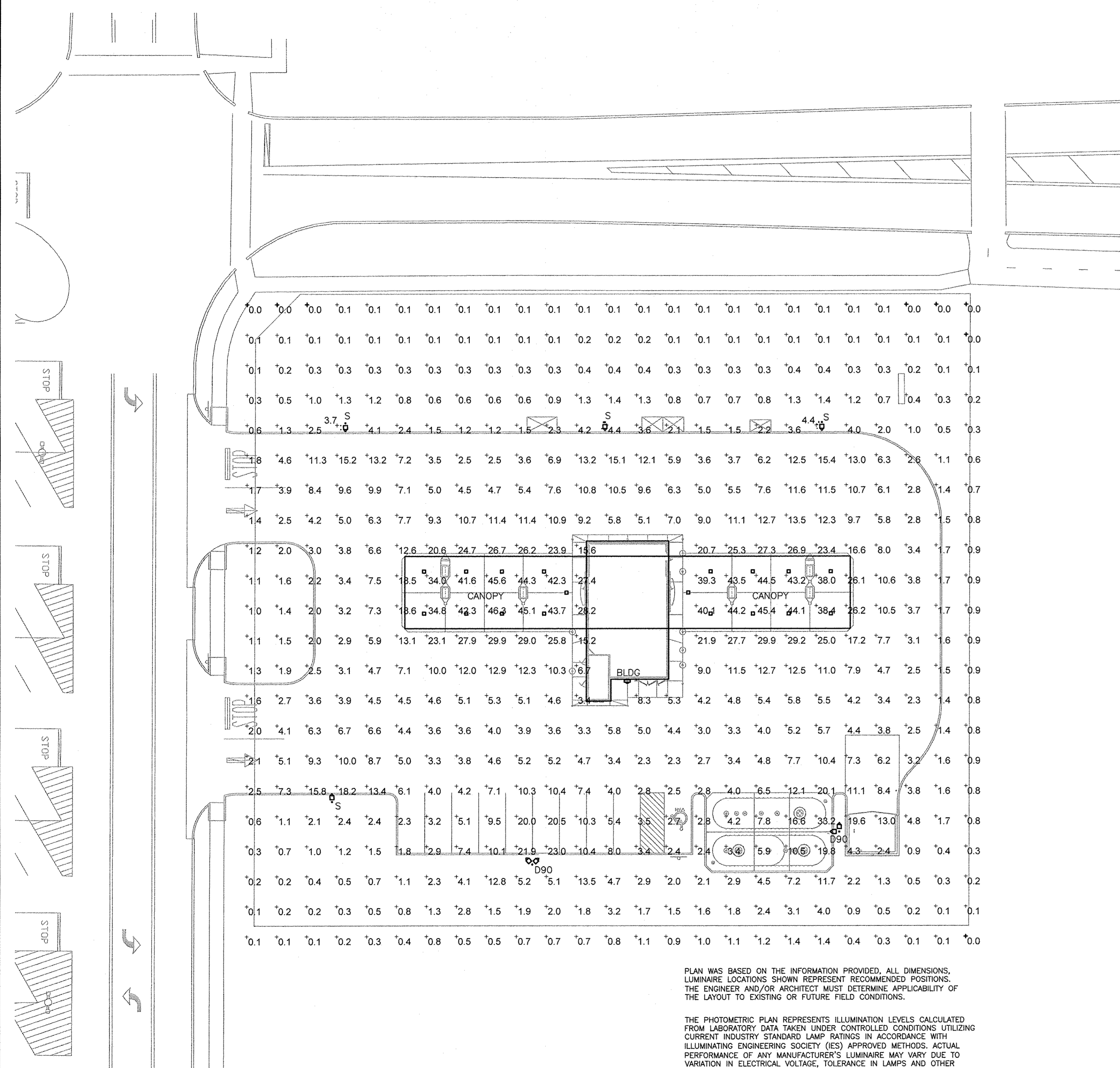
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MURPHY OIL USA, INC.
422 NORTH WASHINGTON
EL DORADO, AR 71730
MURPHY USA

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	7.9 fc	46.3 fc	0.0 fc	N/A	N/A
CANOPY	+	34.9 fc	46.3 fc	26.1 fc	1.8:1	1.3:1

LUMINAIRE SCHEDULE						
SYMBOL	QTY	MAX. MOUNTING HEIGHT	POLE HEIGHT	LUMENS	MODEL NUMBER	DESCRIPTION
S	4	20'-6"	18'-0"	21610	XGB3-FT-LED-176-450-CW-UE-BRZ	LSI LIGHTING, CROSSOVER SERIES, 176 DIODE LED, SINGLE HEAD FLAT LENS FIXTURE, FORWARD THROW, BRONZE
D90	2	20'-6"	18'-0"	21610	XGB3-FT-LED-176-450-CW-UE-BRZ	LSI LIGHTING, CROSSOVER SERIES, 176 DIODE LED, DOUBLE HEAD FLAT LENS FIXTURE, FORWARD THROW, BRONZE
D180	0	20'-6"	18'-0"	21610	XGB3-FT-LED-176-450-CW-UE-BRZ	LSI LIGHTING, CROSSOVER SERIES, 176 DIODE LED, DOUBLE HEAD FLAT LENS FIXTURE, FORWARD THROW, BRONZE
T90	0	20'-6"	18'-0"	21610	XGB3-FT-LED-176-450-CW-UE-BRZ	LSI LIGHTING, CROSSOVER SERIES, 176 DIODE LED, TRIPLE HEAD FLAT LENS FIXTURE, FORWARD THROW, BRONZE
CANOPY	18	15'-0"	N/A	13596	CRS-SC-LED-64-HO-CW-UE	LSI LIGHTING, CROSSOVER 3 SERIES, 64 DIODE, 450 mA, FLAT LENS
BLDG	1	9'-9"	N/A	4810	XPWS3-FT-LED-48-450-CW-UE	LSI LIGHTING, CROSSOVER SERIES, 48 DIODE, 450 mA FLAT LENS FOWARD THROW WALL SCONCE

NOTES: ALL AREA SITE LIGHT FIXTURES AND POLES TO BE MOUNTED ON 2'-6" CONCRETE BASE PER MURPHY OIL USA CIVIL STANDARDS
ALL ANCHOR BOLTS TO BE ORIENTED IN THE SAME DIRECTION (SQUARE) AT INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.



1 SITE PHOTOMETRIC PLAN
SCALE: 1"=20'-0"

PLAN WAS BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS, LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THE PHOTOMETRIC PLAN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IES) APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK PURPOSES ONLY. REFER TO SITE PLAN PREPARED BY LOCAL CONSULTANT FOR RELATIONSHIP OF THESE LUMINAIRES AND THEIR LOCATIONS TO EXISTING STRUCTURES AND REFERENCE.

LED AMBIENT CANOPY LIGHT (CRS)

SMARTER ENERGY SAVING FEATURES:
THERMAL CONTROL - Sensor reduces drive current when ambient temperatures exceed rated temperature.
LED'S - Choose from five array choices, BA, BA and 128, which feature select high brightness LEDs, 5000K color temperature, 120° beam angle.
DRIVE CURRENT - Super Saver (SS) - most economical and highest lumens per watt or High Output (HO) - highest output per initial dollar.
OPTICS DISTRIBUTION - Adjustable with (SC) Standard Canopy or (AC) Asymmetric Canopy distribution.
OPTICAL UNIT - Featuring an ultra-slim 1" profile, housing is die-formed aluminum with a clear tempered glass lens. Unit is water-resistant, sealed to an IP67 rating. Patented integral single block heat sink does not trap dirt and grease, ensuring cool working performance over the life of the fixture.
THE INDUSTRY'S ONLY BREATHABLE SEAL - Luminaire assembly incorporates a pressure stabilizing seal to prevent seal leakage and failure.
DRIVER - State-of-the-art driver technology provides excellent system efficiency, control and protection. Components are fully enclosed in potting for IP66 moisture resistance. Complies with FCC and FCC standards.
DRIVER HOUSING - Wet location rated drive/electrical enclosure is elevated above canopy deck to help prevent water entry and to provide easy "hook-out" connection of primary wiring.
FINISH - Standard color is white. Finish is an LSI DuraCoat® polyester powder coat process. DuraCoat withstands extreme weather changes without cracking or peeling.
OPERATING TEMPERATURE - 40°C to +50°C (40°F to +122°F)
ELECTRICAL - Universal voltage power supply, 120-277 VAC, 50/60 Hz input. Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.4.2, 2002, Scenario 1, Location Category C.
INSTALLATION - Install in a 12" or 18" deep gap. Deck penetration consists of 5 drilled holes, complying with UL 1808. Mounting holes are spaced to match LSI mounting hardware (4" hole as well as spacing for EzyMount and EzyMount Pro Access and to re-entrant wiring from the SC/CA without having to re-drill canopy. Retrofit panels are available for existing Canopies and EzyMount (see back page) as well as for re-mounting and SC transitions (see separate spec sheet).
SHIPPING WEIGHT - 8.2 lbs.
EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
WARRANTY - Limited 5-year warranty.
LISTING - ETL listed to UL 1598, UL8750 and other U.S. and International safety standards. Suitable for wet locations.
PHOTOMETRICS - Application layouts are available upon request. Contact LSI Petroleum Lighting or petroleum_apps@lsilighting.com

LED AMBIENT CANOPY LIGHT (CRS)

LUMINAIRE ORDERING INFORMATION

Part #	Description	Light Source	# of LEDs	Drive Current	Color Temperature	Beam Angle	Finish	Options
CRS	12" Standard Canopy AC - Asymmetric Canopy	LED	64	35	5000K	120°	White	MS - Integral Motion Sensor 1 PC - Integral Protocol 1

ACCESSORY ORDERING INFORMATION (Accessories are sold separately)

Part #	Description	Order Number	Part #	Description	Order Number
CRS-SC	Standard Canopy	42801	CRS-AC	Asymmetric Canopy	42802
CRS-SS	Super Saver Drive	42803	CRS-HO	High Output Drive	42804
CRS-12	12" Deep Canopy	42805	CRS-18	18" Deep Canopy	42806
CRS-12-18	12" to 18" Deep Canopy	42807	CRS-18-12	18" to 12" Deep Canopy	42808

PHOTOMETRIC INFORMATION

Part #	Beam Angle	Footcandle @ 10'	Footcandle @ 20'	Footcandle @ 30'
CRS-SC	120°	1.3	0.3	0.1
CRS-AC	120°	1.3	0.3	0.1

LED AREA LIGHTS - XGB3 176 LED

SMARTER ENERGY SAVING FEATURES:
THERMAL CONTROL - Sensor's built-in optical unit and driver enclosure reduces drive current when ambient temperatures exceed 50°C. Current is lowered in proportion to 6% increments every 5 minutes until safe operating temperature is reached.
EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
LED'S - Select high-brightness LEDs, 5000K color temperature (nominal), 70° CRI (nominal).
DISTRIBUTION/PERFORMANCE - Types 3, 5, FT and FTA available. Reflectors are fixed in place. Exceptional uniformity with full cutoff creates bright environment at lower light levels.
HOUSING - Square, die-formed aluminum. Fully enclosed weather-tight housing contains factory pre-wired drivers and LED connections.
TOP-ACCESS COVER - Recessed top-access cover provides easy access to installation and allows for easy access. Four captive stainless-steel screws secure the top-access cover to the housing.
OPTICAL UNIT - Clear tempered optical grade flat glass lens is sealed to aluminum housing creates an IP67 rated, sealed optical unit. Pressure stabilizing breather allows superior light output while preventing temperature cycling from building up internal pressure and vacuum that can stress optical unit seals and components.
FIELD ROTATABLE OPTICS - Optical unit can be easily field rotated in 90° increments. Directional arrow on optics allows alignment without the unit being energized.
MOUNTING - 5-1/2" x 5-1/2" 12" aluminum arm mounting bracket shipped standard. If bracket available for single or D180 configurations, but must be ordered from the Options column of ordering chart. Use web 3" traditional drilling pattern on LSI steel round, square and round tapered poles. Round Pole (RP) required for mounting to 3"-5" round poles. (See Accessory Ordering Information chart).
ELECTRICAL - Two stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.4.2, 2002, Scenario 1, Location Category C. Available with universal voltage power supply 120-277VAC (UE - 50/60Hz input), and 347-480VAC, Customized button-type photocells (PC) are available in 120L, 208, 240, 277 or 347 volt (single voltage) must be specified.
DRIVERS - Available in 350mA and 450mA drive currents (drive currents are factory programmed). Components are fully enclosed in potting material for IP66 moisture resistance. Driver complies with FCC 47 CFR part 15.107B standard.
OPERATING TEMPERATURE - 40°C to +50°C (40°F to +122°F)
FINISH - Fixtures are finished with LSI's DuraCoat® polyester powder coat finishing process. The DuraCoat finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, granite, sage verde, green, metallic silver and white. Meets requirements of ASTM B117 100-hour salt fog and ASTM B153 1000-hour Neutral Salt Fog tests (supersedes SCS UVB313).
DECAL STRIPING - LSI offers optional color-coordinated decals in 3 standard colors to accent the fixture. Decals are guaranteed for five years against peeling, cracking, or fading.
WARRANTY - LSI LED fixtures carry a limited 5-year warranty.
PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting_apps@lsilighting.com
SHIPPING WEIGHT (in cartons) - Fixture - 4.5 lbs (2.0 kg) Arm - 5 lbs. (2.3 kg)
LISTING - ETL listed to U.S. and Canadian safety standards. Suitable for wet locations.

LED AREA LIGHTS - XGB3 176 LED

LUMINAIRE ORDERING INFORMATION

Part #	Description	Light Source	# of LEDs	Drive Current	Color Temperature	Beam Angle	Finish	Options
XGB3-176	176 LED Area Light	LED	176	350	5000K	70°	White	MS - Integral Motion Sensor 1 PC - Integral Protocol 1

ACCESSORY ORDERING INFORMATION (Accessories are sold separately)

Part #	Description	Order Number	Part #	Description	Order Number
XGB3-176-120	120° Beam Angle	42809	XGB3-176-70	70° Beam Angle	42810
XGB3-176-120-180	120° to 180° Beam Angle	42811	XGB3-176-180-120	180° to 120° Beam Angle	42812
XGB3-176-180	180° Beam Angle	42813	XGB3-176-120	120° Beam Angle	42814
XGB3-176-180-120	180° to 120° Beam Angle	42815	XGB3-176-120-180	120° to 180° Beam Angle	42816

PHOTOMETRIC INFORMATION

Part #	Beam Angle	Footcandle @ 10'	Footcandle @ 20'	Footcandle @ 30'
XGB3-176	70°	1.3	0.3	0.1

MANUFACTURER SPECIFICATION SHEET FOR SITE FIXTURES