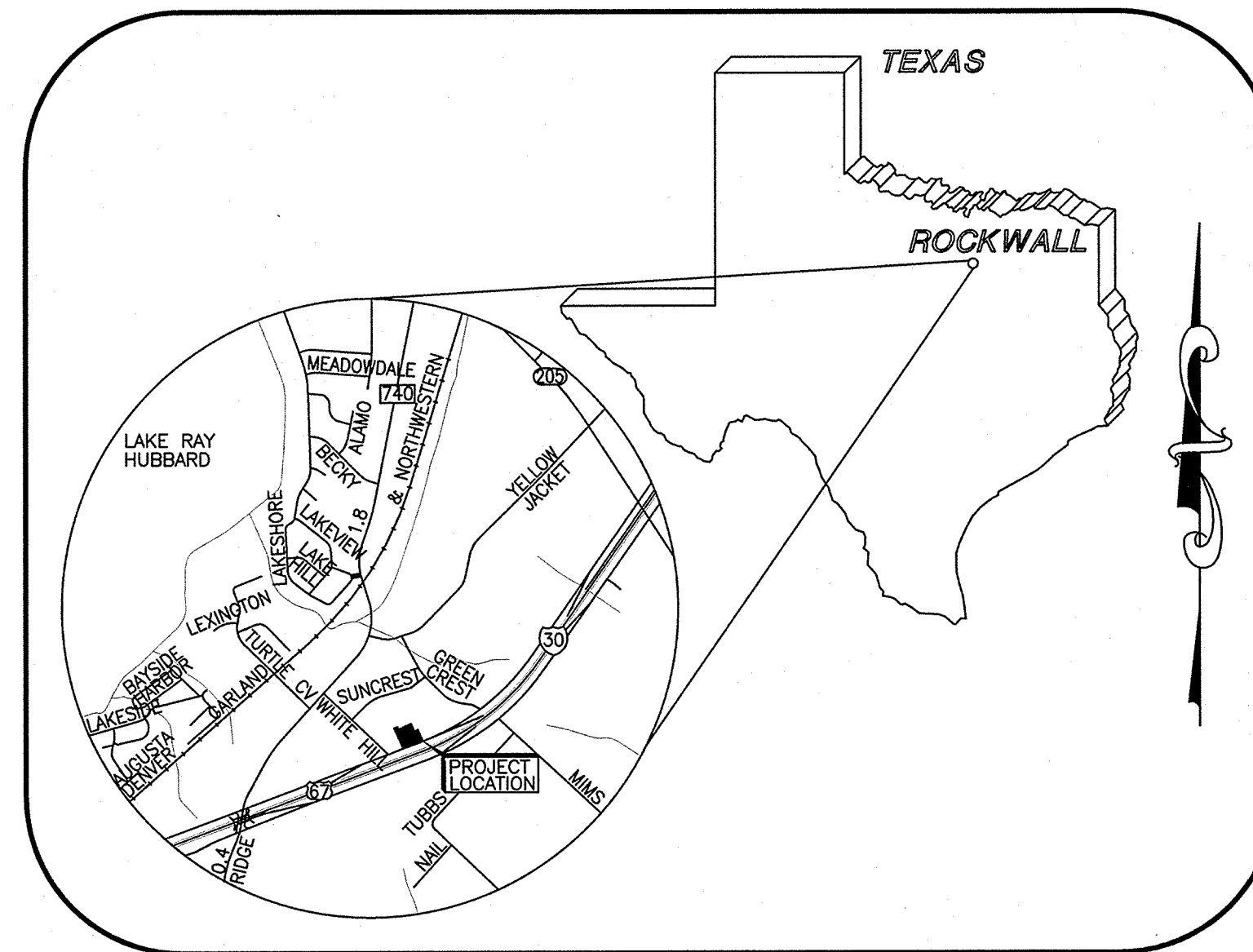


RECORD PLANS MURPHY OIL USA, INC. ROCKWALL, TEXAS

776 E. I-30 FRONTAGE RD. (WALMART SUPERCENTER #259)



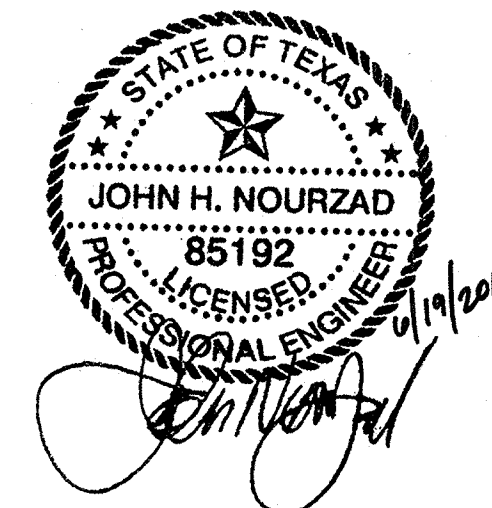
Vicinity Map

NOT TO SCALE
PLAN INDEX:

- ENGINEER (CIVIL)
- C-0 COVER SHEET
 - C-0.1 COMPOSITE SITE PLAN (N/A)
 - C-1 SITE PLAN
 - S-1 AS-BUILT (RECORD DRAWING SUPPLIED BY SPOONER ASSOCIATES)
 - C-3 GRADING PLAN
 - C-3.1 STORM SEWER PLAN
 - C-3.2 PRE-SWAMP (N/A)
 - C-3.3 POST-SWAMP (N/A)
 - C-4 EROSION CONTROL PHASE-1 (N/A)
 - C-4.1 EROSION CONTROL PHASE-2 (N/A)
 - C-4.2 EROSION & SEDIMENT CONTROL-DETAILS (N/A)
 - C-5 DEMOLITION PLAN (N/A)
 - C-6 UTILITY PLAN
 - C-7 PAVING/JOINT-LAYOUT PLAN (N/A)
 - C-8 TRUCK-ROUTE PLAN (N/A)
 - C-9 LANDSCAPE PLAN (SEE SHEET S-1 AS-BUILT)
 - C-10 IRRIGATION PLAN (N/A)
 - C-11 IRRIGATION-DETAILS (N/A)
 - C-12 DETAIL SHEET
 - C-13 DETAIL SHEET
 - C-14 DETAIL SHEET
 - C-15 DETAIL SHEET
 - C-16 DETAIL SHEET
 - L-1 PHOTOMETRIC PLAN (N/A)

GreenbergFarrow

CONTACT: GREGG BURNETT
153 CORDAVILLE RD SUITE 210
SOUTHBOROUGH MA 01772
(508) 229-0032



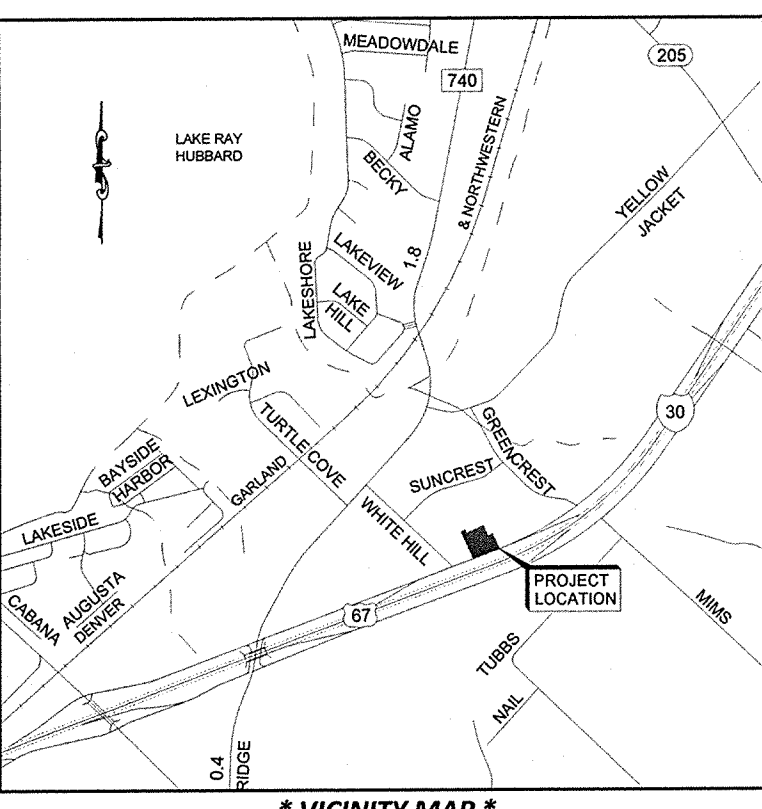
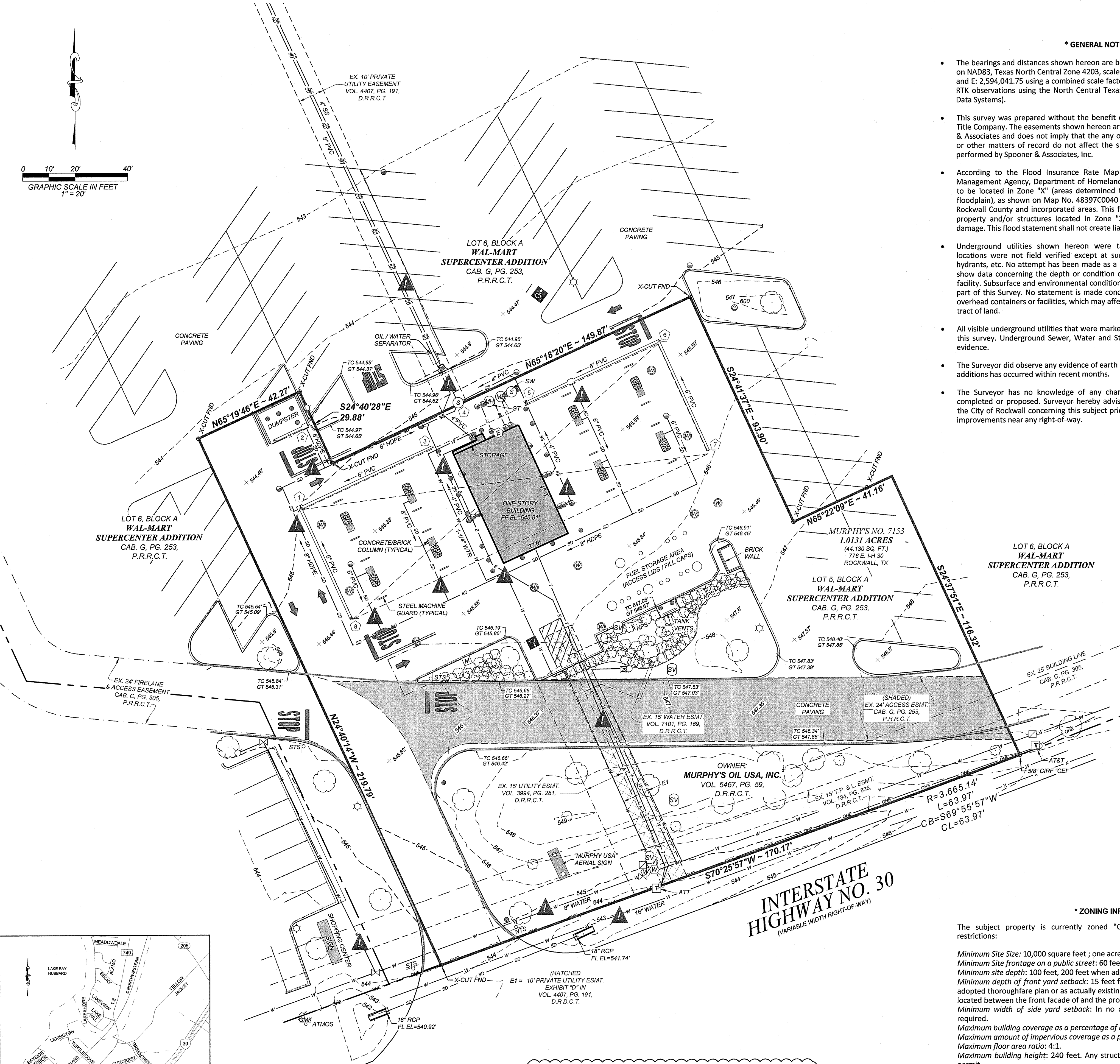
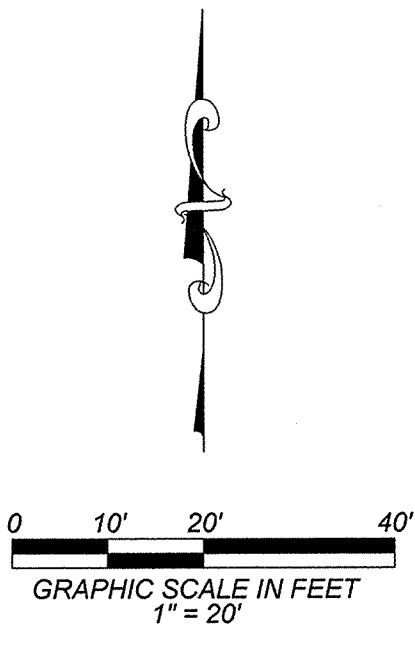
RECORD DRAWING:

TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

RECORD DRAWINGS BASED ON A SURVEY BY:
SPOONER & ASSOCIATES, INC.
309 BYERS STREET, #100
EULESS, TX 76039
PHONE: (817) 685-8448
JUNE 13, 2018

REVISION	DATE	DESCRIPTION
REV-0	06-19-18	RECORD DRAWING SET

JOB NO.: 20150471
DATE: 06-19-18 SHEET NO.:
REV-0 C-0



*** GENERAL NOTES ***

- The bearings and distances shown hereon are based on a local coordinate system based on NAD83, Texas North Central Zone 4203, scaled from grid to surface at N: 7,016,549.94 and E: 2,594,041.75 using a combined scale factor of 1.000145957600, derived from GPS RTK observations using the North Texas VRS Network (maintained by Western Data Systems).
- This survey was prepared without the benefit of any Title Commitment prepared by a Title Company. The easements shown hereon are the only easements known by Spooner & Associates and does not imply that the any other easements, covenants, restrictions, or other matters of record do not affect the subject property. No other research was performed by Spooner & Associates, Inc.
- According to the Flood Insurance Rate Map published by the Federal Emergency Management Agency, Department of Homeland Security, the subject property appears to be located in Zone "X" (areas determined to be outside the 0.2 % annual chance floodplain), as shown on Map No. 48397C0040 L; map revised September 26, 2008, for Rockwall County and incorporated areas. This flood statement does not imply that the property and/or structures located in Zone "X" will be free from flooding or flood damage. This flood statement shall not create liability on the part of the Surveyor.
- Underground utilities shown hereon were taken from record information, actual locations were not field verified except at surface structures such as manholes, fire hydrants, etc. No attempt has been made as a part of this Survey to confirm, obtain or show data concerning the depth or condition of any utility or municipal/public service facility. Subsurface and environmental conditions were not examined or considered as a part of this Survey. No statement is made concerning the existence of underground or overhead containers or facilities, which may affect the use or development of the subject tract of land.
- All visible underground utilities that were marked from Texas One Call 811 are shown on this survey. Underground Sewer, Water and Storm Drain lines shown are from visible evidence.
- The Surveyor did observe any evidence of earth moving, building construction or building additions has occurred within recent months.
- The Surveyor has no knowledge of any changes in street right-of-way lines either completed or proposed. Surveyor hereby advises all interested parties to consult with the City of Rockwall concerning this subject prior to planning, designing or constructing improvements near any right-of-way.

*** INVERT TABLE ***

1	TRENCH DRAIN RIM EL = 545.03'
	BOTTOM FLOOR EL = 542.94'
2	TRENCH DRAIN RIM EL = 544.55'
	BOTTOM FLOOR EL = 542.94'
3	TRENCH DRAIN RIM EL = 545.71'
	BOTTOM FLOOR EL = 545.11'
4	SSM# (CONC) RIM EL = 545.11'
	PIPE IN (NE) FL EL = 541.89'
	PIPE IN (SW) FL EL = 541.81'
	PIPE OUT (NW) FL EL = 541.79'
	PICTURE ID 1150
5	TRENCH DRAIN RIM EL = 545.78'
	BOTTOM FLOOR EL = 544.75'
6	TRENCH DRAIN RIM EL = 545.46'
	BOTTOM FLOOR EL = 544.50'
7	TRENCH DRAIN RIM EL = 546.05'
	BOTTOM FLOOR EL = 544.70'
8	TRENCH DRAIN RIM EL = 545.39'
	BOTTOM FLOOR EL = 544.56'

*** ZONING INFORMATION ***

The subject property is currently zoned "C" (Commercial) which has the following restrictions:

Minimum Site Size: 10,000 square feet ; one acre when adjacent to Interstate 30
 Minimum Site frontage on a public street: 60 feet, 200 feet when adjacent to Interstate 30.
 Minimum site depth: 100 feet, 200 feet when adjacent to Interstate 30.
 Minimum depth of front yard setback: 15 feet from the future right-of-way as shown on the adopted thoroughfare plan or as actually existing whichever is greater. Parking should not be located between the front facade of and the property line.
 Minimum width of side yard setback: In no case shall more than a 50 foot setback be required.
 Maximum building coverage as a percentage of lot area: 60 percent.
 Maximum amount of impervious coverage as a percentage of lot area: 85 to 90 percent.
 Maximum floor area ratio: 4:1.
 Maximum building height: 240 feet. Any structure over 60 feet shall require a specific use permit.

This Zoning State and Zoning Information listed hereinabove is based on the Zoning Ordinance for the City of Rockwall. The Surveyor hereby advises the developer to contact the City of Rockwall Planning and Zoning Department to further verify all Zoning Restrictions prior to the development of the subject property.

Underground utilities denoted with this symbol are a representation of the lines shown on the Utility Plan prepared by GreenbergFarrow dated 12/18/2017. No visible evidence was found on the date of this survey to confirm location and/or existence of said lines. Spooner & Associates, Inc. hereby waives all liability to the location and/or existence of underground utilities denoted with this symbol.

LEGEND

CIRF	IRON ROD WITH CAP FOUND	XX	IRRIGATION SPRINKLER HEAD
IRF	IRON ROD FOUND	●	BOLLARD POST
XCF	"X" CUT FOUND	○	SIGN
XCS	"X" CUT SET	○	RAILROAD SIGNAL
P.R.R.C.T.	PLAT RECORDS ROCKWALL COUNTY, TEXAS	○	UTILITY RISER/BOX
○	POWER POLE	○	UTILITY MANHOLE
○	GUY WIRE	○	UTILITY PULL BOX
○	LIGHT POLE	○	UTILITY METER
○	ELECTRIC METER	○	UTILITY LINE MARKER
○	ELECTRIC LINE MARKER	○	MONITORING WELL
○	ELECTRIC PULL BOX	○	OVERHEAD ELEC.
○	ELECTRIC MANHOLE	○	U.G. ELECTRIC
○	ELECTRIC BOX (PANEL)	○	U.G. TELE. LINE
○	YARD LIGHT	○	U.G. FIBER OPTIC
○	CATV MARKER	○	CATV
○	CATV RISER	○	U.G. GAS
○	CATV PULL BOX	○	U.G. WATER
○	CATV MANHOLE	○	U.G. SAN. SEWER
○	TELEPHONE MARKER	○	U.G. STORM SEWER
○	TELEPHONE RISER	○	CHAIN LINK FENCE
○	TELEPHONE MANHOLE	○	WOOD FENCE
○	TELEPHONE PULL BOX	○	WIRE FENCE
○	FIBER OPTIC MARKER	○	FENCE (OTHER)
○	FIBER OPTIC PULL BOX	○	ASPHALT EDGE
○	AC COMPRESSOR UNIT	○	CONCRETE AREA
○	MAILBOX	○	GRAVEL AREA
○	GAS MARKER	○	SAMPLE WELL
○	GAS MANHOLE	○	DRIVE THRU SIGN
○	GAS METER	○	EDGE OF ASPHALT ELEVATION
○	GAS VALVE	○	EDGE OF CONCRETE ELEVATION
○	GAS TEST STATION	○	GUTTER ELEVATION
○	TREE (AS DESCRIBED)	○	GASOLINE PUMP
○	BUSH (GENERAL)	○	GRATE INLET
○	CM (CREPE MYRTLE)	○	INVERT REFERENCE
○	WATER MANHOLE	○	NPS
○	WATER METER	○	NO TRUCKS SIGN
○	WATER VALVE	○	SLS
○	WATER FAUCET	○	SPEED LIMIT SIGN
○	FIRE HYDRANT	○	STOP SIGN
○	SAN. SEWER MANHOLE	○	RETAINING WALL
○	SAN. SEWER CLEANOUT	○	TOP OF CURB ELEVATION
○	STORM DRAIN MANHOLE	○	TOP OF WALL ELEVATION
○	INLET RIM	○	SUBJECT PROPERTY LINE
○	TRAFFIC SIGNAL LIGHT	○	BUSHES
○	TRAFFIC SIGNAL BOX	○	CANOPY - COVERED AREA
○	IRRIGATION CONTROL VALVE		

*** LEGAL DESCRIPTION ***

BEING ALL OF LOT 5, BLOCK A, WAL-MART SUPERCENTER ADDITION, being an Addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof filed for record in Cabinet G, Slide 253, Plat Records, Rockwall County, Texas.

*** ABSTRACTOR'S REPORT ***

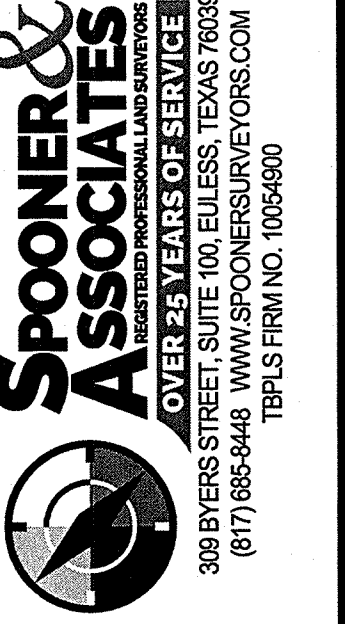
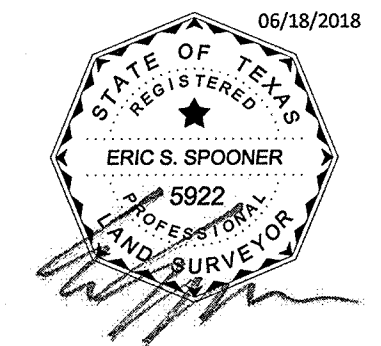
This survey was prepared with the benefit of a copy of an Abstractor's Report prepared by Fidelity National Title Group, having a File No. of 20644 / CS4712011756-15 TAK, covering a time frame of 05/21/2008 through 04/17/2017; and only reflects those easements, covenants, restrictions and other matters of record listed in said Abstractor's Report. No other research for matters of record not listed in said Abstractor's Report was performed by Spooner & Associates, Inc.

- Special Warranty Deed Volume 5467, Page 59, D.R.R.C.T. (Subject property is a portion of the tract of land described in said document)
- Easements with Covenants and Restrictions Affecting Land Volume 5467, Page 66, D.R.R.C.T. (Subject to - Subject property is a portion of the tract of land described in Exhibit "B" of said document - Easement is not dimensioned and can not be plotted)
- Declaration of Environmental Release Volume 5467, Page 88, D.R.R.C.T. (Subject to - Subject property is a portion of the tract of land described in Exhibit "A" of said document)
- Lease Termination Agreement Volume 5467, Page 102, D.R.R.C.T. (Subject to - Subject property is a portion of the tract of land described in Exhibit "A" of said document)
- 10' Water Easement Volume 7101, Page 169, D.R.R.C.T. (Shown)

*** SURVEYOR'S STATEMENT ***

I, Eric S. Spooner, a Registered Professional Land Surveyor in the State of Texas, do hereby state that to the best of my knowledge, information and belief that this survey is true and correct and was prepared from an on the ground survey made under my direct supervision. Surveyed on the ground June 14th, 2018.

Eric S. Spooner, R.P.L.S.
 Texas Registration No. 5922
 TBPLS Firm No. 10054900



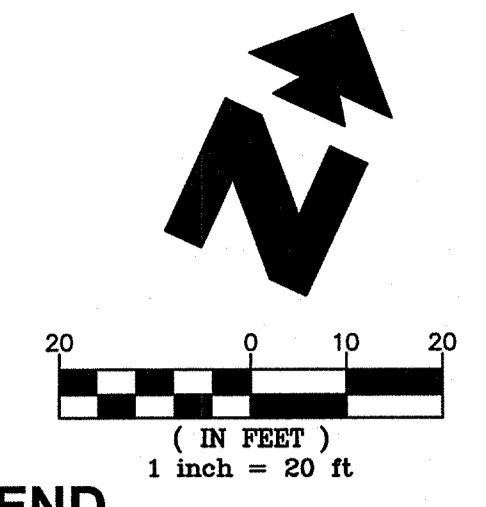
GreenbergFarrow

SCALE: 1"=20'	REV:
JOB #: 15-056	
DRAWN BY: A. BENTON	
CHECKED BY: E. SPOONER	
FILE: 15-056 MURPHY ROCKWALL AS-BUILT.dwg	

#7153 ~ ROCKWALL, TEXAS

SEE EXISTING STORM SEWER
WALMART SUPERCENTER #259

BENCHMARK TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
BM600	1/2" IRON ROD SET W/CAP	7,016,636.388	2,594,101.479	546.97'



LEGEND

- | | |
|---|----------------------------|
| ⊕ BENCHMARK | ⊕ WATER MANHOLE |
| ⊕ PROPERTY CORNER MARKER FOUND - AS NOTED | ⊕ WATER METER |
| ⊕ MONUMENT FOUND | ⊕ WATER VALVE |
| ⊕ 1/2" IRON ROD WITH CAP SET STAMPED "SPOONER & ASSOC." | ⊕ FIRE HYDRANT |
| ⊕ MONUMENT SET | ⊕ SAN SEWER MANHOLE |
| ⊕ POWER POLE | ⊕ SAN SEWER CLEANOUT |
| ⊕ LIGHT POLE | ⊕ IRRIGATION CONTROL VALVE |
| ⊕ ELECTRIC METER | ⊕ SIDEWALK |
| ⊕ ELECTRIC LINE MARKER | ⊕ BOLLARD POST |
| ⊕ ELECTRIC PULL BOX | ⊕ SIGN |
| ⊕ ELECTRIC BOX (PANEL) | — OHE — OVERHEAD ELEC. |
| ⊕ TELEPHONE MARKER | — E — U.G. ELECTRIC |
| ⊕ TELEPHONE RISER | — T — U.G. TELE. LINE |
| ⊕ TELEPHONE MANHOLE | — FD — U.G. FIBER OPTIC |
| ⊕ FIBER OPTIC MARKER | — CATV — U.G. CABLE TV |
| ⊕ FIBER OPTIC PULL BOX | — AG — U.G. GAS |
| ⊕ TRAFFIC SIGNAL BOX | — W — U.G. WATER |
| ⊕ MAILBOX | — SS — U.G. SAN SEWER |
| ⊕ GAS MARKER | ⊕ TREE |
| ⊕ GUY POLE | ⊕ CONCRETE AREA |
| ⊕ STORM DRAIN MANHOLE | |
| ⊕ INLET RIM | |

LEGEND

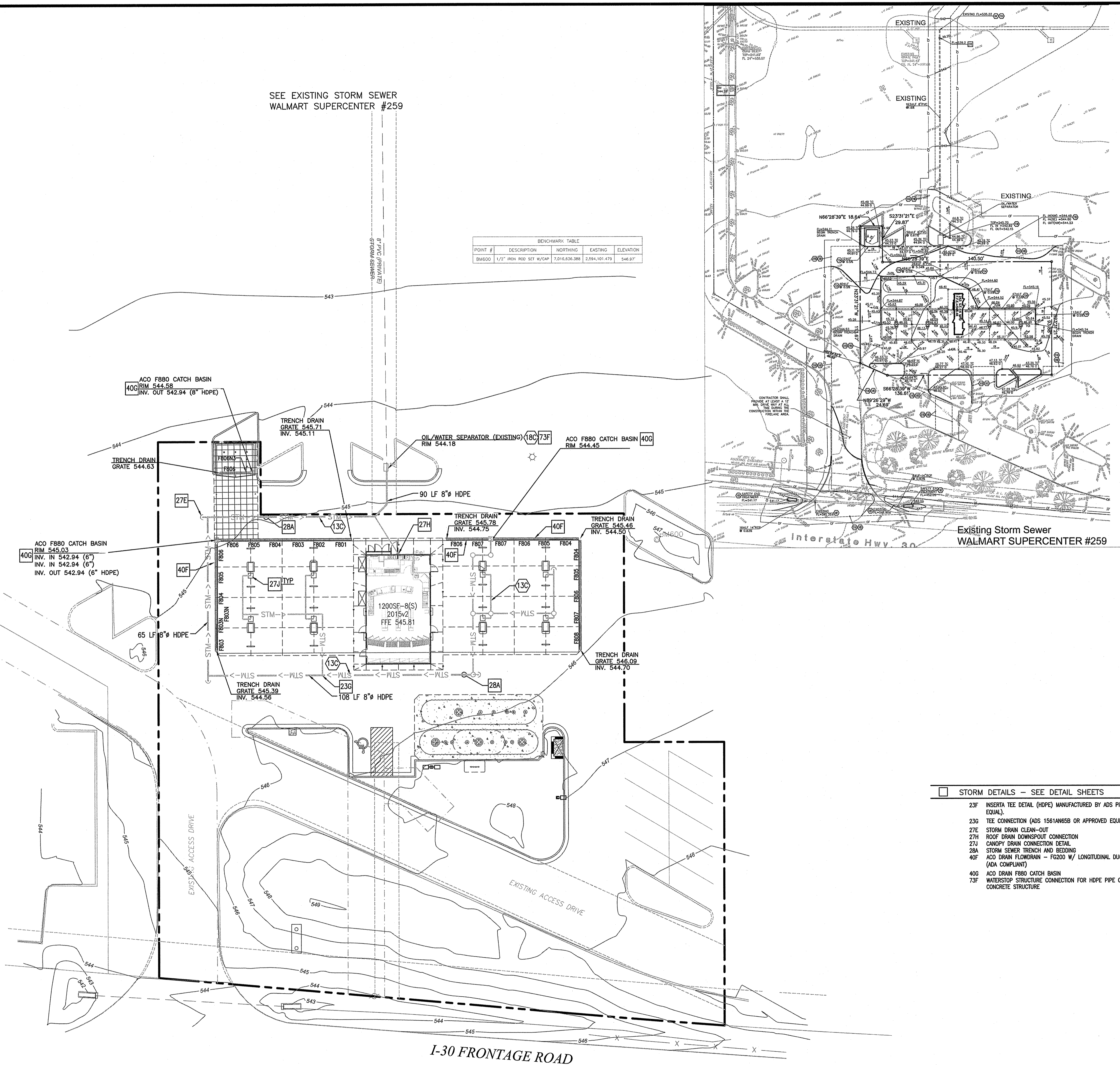
- | | |
|-----------|------------------|
| — — — — — | BOUNDARY LINE |
| - - - - - | CONTOUR |
| — STM —> | STORM SEWER PIPE |

STORM DETAILS -- SEE DETAIL SHEETS

- 23F INSERTA TEE DETAIL (HDPE) MANUFACTURED BY ADS PIPE (OR APPROVED EQUAL).
- 23G TEE CONNECTION (ADS 1561AN65B OR APPROVED EQUIVALENT)
- 27E STORM DRAIN CLEAN-OUT
- 27H ROOF DRAIN DOWNSPOUT CONNECTION
- 27J CANOPY DRAIN CONNECTION DETAIL
- 28A STORM SEWER TRENCH AND BEDDING
- 40F ACO DRAIN FLOWDRAIN - FG200 W/ LONGITUDINAL DUCTILE IRON GRATE (ADA COMPLIANT)
- 40G ACO DRAIN F880 CATCH BASIN
- 73F WATERSTOP STRUCTURE CONNECTION FOR HDPE PIPE CONNECTION TO CONCRETE STRUCTURE

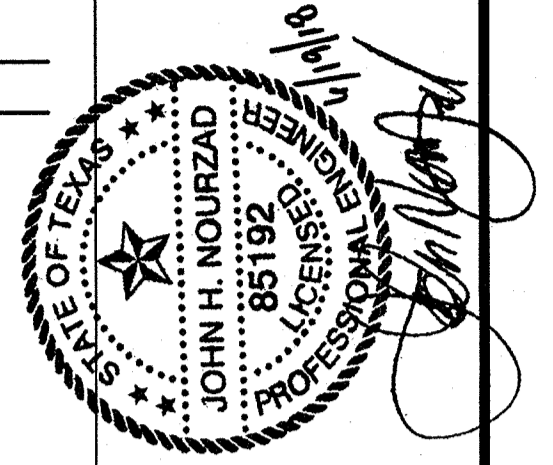
STORM SEWER NOTES

- 13C ALL STORM SEWER PIPES ARE PRIVATE
- 18C CONNECT TO EXISTING STORM DRAIN MANHOLE OR INLET



Existing Storm Sewer
WALMART SUPERCENTER #259

SHEET NO.
C-3.1



STORM SEWER PLAN
WALMART SUPERCENTER #259
776 E. I-30 FRONTAGE RD.
ROCKWALL, TEXAS

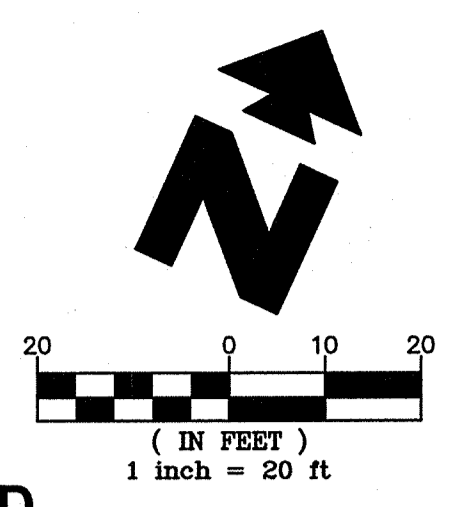
GreenbergFarrow
1430 W. PEACHTREE ST., NW SUITE 200
ATLANTA, GA 30309
PHONE: (404) 525-9700
FAX: (404) 525-9701
DWG NAME: ROCKWALL TEXAS
JOB NO.: 2018W7
TEXAS REGISTRATION NO. F-4380

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

RECORD DRAWING:

TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

INTERSTATE HIGHWAY 30

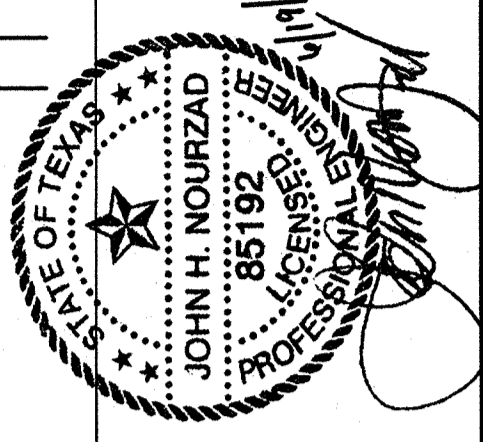


LEGEND

<ul style="list-style-type: none"> ◆ BENCHMARK ■ PROPERTY CORNER MARKER FOUND - AS NOTED ● MONUMENT FOUND ● 1/2" IRON ROD WITH CAP SET STAMPED "SPOONER & ASSOC." ■ MONUMENT SET ● POWER POLE ● LIGHT POLE ● ELECTRIC METER EMK ELECTRIC LINE MARKER EB ELECTRIC PULL BOX EP ELECTRIC MANHOLE EBP ELECTRIC BOX (PANEL) TRM TELEPHONE MARKER TRR TELEPHONE RISER TM TELEPHONE MANHOLE TP TELEPHONE PULL BOX FMK FIBER OPTIC MARKER FOP FIBER OPTIC PULL BOX TSB TRAFFIC SIGNAL BOX MB MAILBOX GMK GAS MARKER ● GUY POLE ● STORM DRAIN MANHOLE ● INLET RIM 	<ul style="list-style-type: none"> WM WATER MANHOLE WMR WATER METER WV WATER VALVE FD FIRE HYDRANT SM SAN SEWER MANHOLE SSC SAN SEWER CLEANOUT ICV IRRIGATION CONTROL VALVE SP SIDEWALK BP BOLLARD POST S SIGN OE OVERHEAD ELEC. E U.G. ELECTRIC T U.G. TELE LINE FD U.G. FIBER OPTIC CATV U.G. CABLE TV NG U.G. GAS W U.G. WATER SS U.G. SAN SEWER SD U.G. STORM SEWER TREE CONCRETE AREA
--	---

LEGEND

---	BOUNDARY LINE
-SAN-	SANITARY SEWER SERVICE
-E-	UNDERGROUND ELECTRIC SERVICE
-T-	UNDERGROUND TELEPHONE SERVICE
-1-1/4"W-	WATER SERVICE



UTILITY PLAN
WALMART SUPERCENTER #259
 776 E. I-30 FRONTAGE RD.
 ROCKWALL, TEXAS

GreenbergFarrow
 1430 W. PEACHTREE ST., NW SUITE 200
 ATLANTA, GA 30309
 (404) 993-9900
 FAX: (404) 993-9970
 DWG NAME: ROCKWALL, TEXAS
 JOB NO.: 2015071
 TEXAS REGISTRATION NO. F-4380

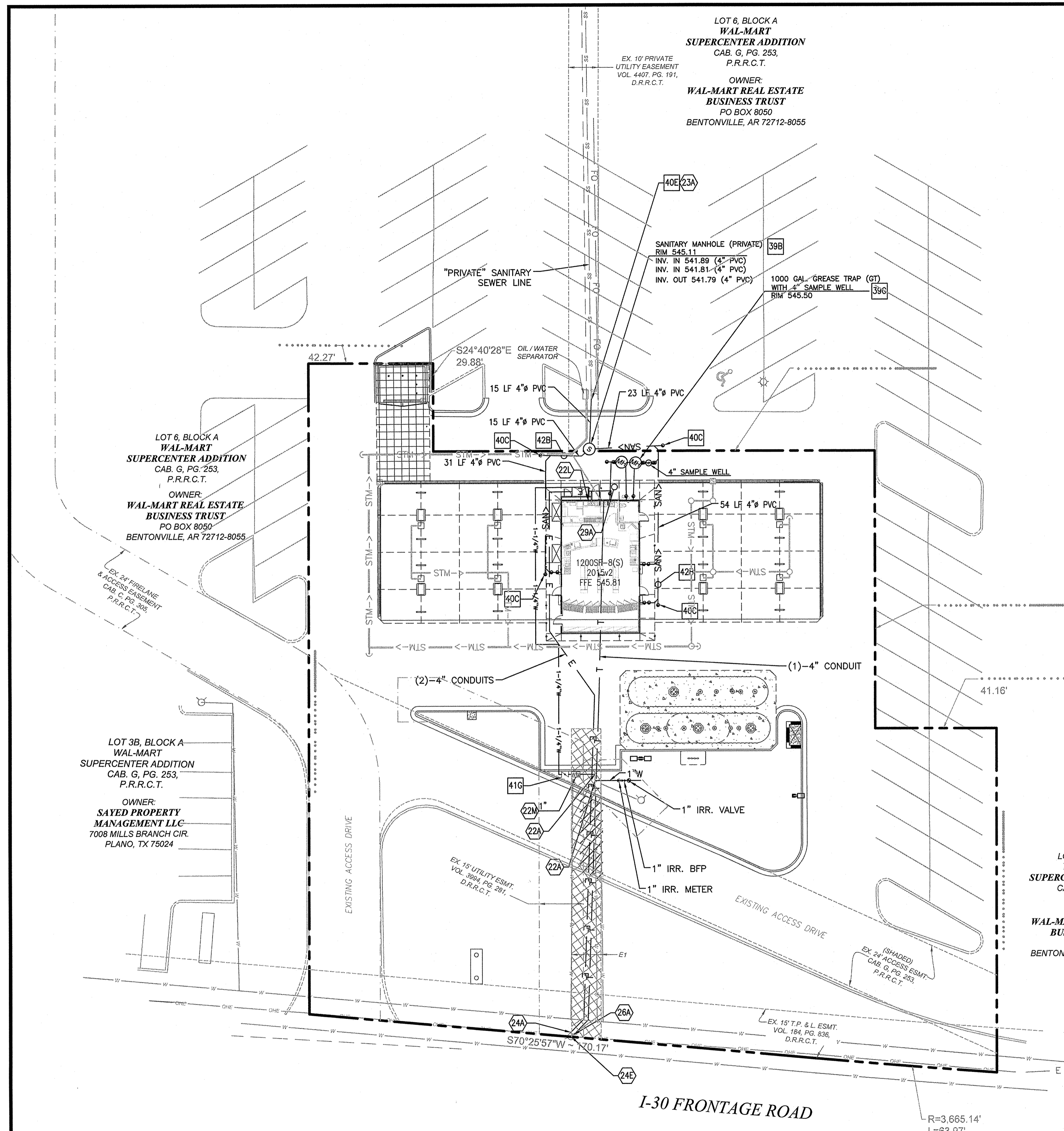
MURPHY OIL USA, INC.
 200 PEACH STREET
 P.O. BOX 7000
 EL DORADO, AR 71730-7000
MURPHY USA

LOT 6, BLOCK A
**WAL-MART
 SUPERCENTER ADDITION**
 CAB. G. PG. 253,
 P.R.R.C.T.
 OWNER:
**WAL-MART REAL ESTATE
 BUSINESS TRUST**
 PO BOX 8050
 BENTONVILLE, AR 72712-8055

LOT 6, BLOCK A
**WAL-MART
 SUPERCENTER ADDITION**
 CAB. G. PG. 253,
 P.R.R.C.T.
 OWNER:
**WAL-MART REAL ESTATE
 BUSINESS TRUST**
 PO BOX 8050
 BENTONVILLE, AR 72712-8055

LOT 3B, BLOCK A
**WAL-MART
 SUPERCENTER ADDITION**
 CAB. G. PG. 253,
 P.R.R.C.T.
 OWNER:
**SAYED PROPERTY
 MANAGEMENT LLC**
 7008 MILLS BRANCH CIR.
 PLANO, TX 75024

LOT 6, BLOCK A
**WAL-MART
 SUPERCENTER ADDITION**
 CAB. G. PG. 253,
 P.R.R.C.T.
 OWNER:
**WAL-MART REAL ESTATE
 BUSINESS TRUST**
 PO BOX 8050
 BENTONVILLE, AR 72712-8055



UTILITY NOTES

- 22A POINT OF CONNECTION - WATER SERVICE (PER LOCAL CODES)
- 22L METERED DOMESTIC WATER SERVICE ENTRY PER BLDG PLUMBING PLAN (SEE SIZES THIS SHEET)
- 22M WATER METER (SEE SIZE THIS SHEET)
- 23A POINT OF CONNECTION - SANITARY SEWER SERVICE
- 23E SANITARY SEWER SERVICE ENTRY (PER BUILDING MECHANICAL PLANS)
- 24A POINT OF CONNECTION FOR UNDERGROUND ELECTRIC SERVICE
- 24E POLE MOUNTED TRANSFORMER
- 28A POINT OF CONNECTION FOR UNDERGROUND TELEPHONE.

UTILITY DETAILS - SEE DETAIL SHEETS

- 39B PRECAST SANITARY SEWER MANHOLE
- 39G SANITARY SEWER GREASE TRAP
- 40C SANITARY SEWER CLEAN-OUT
- 40E SANITARY SEWER SERVICE CONNECTION TO EXISTING STUB OUT
- 41G REDUCED PRESSURE ZONE BACKFLOW PREVENTER. SEE SIZE THIS SHEET
- 42B SANITARY SEWER TRENCHING AND BEDDING.

METER SIZES

- DOMESTIC: 1"
- IRRIGATION: 1"

RECORD DRAWING:

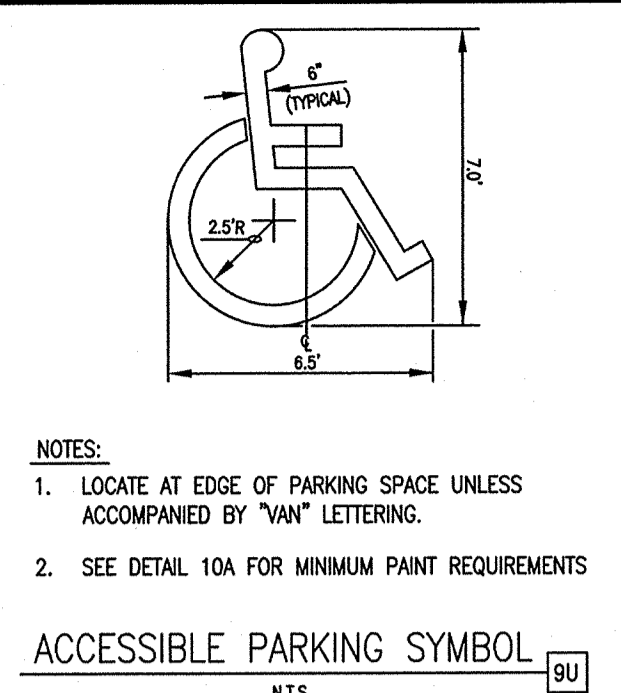
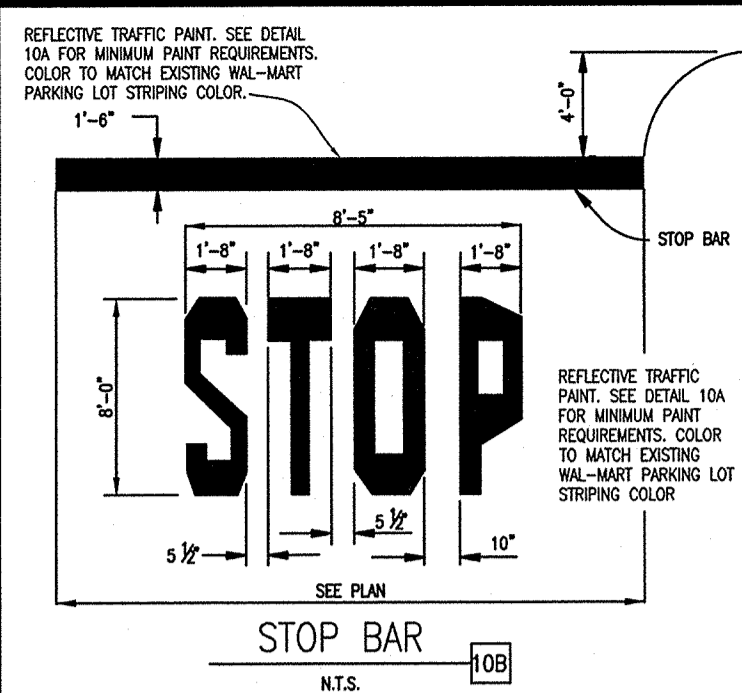
TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

E1 = (HATCHED)
 10' PRIVATE UTILITY ESMT.
 EXHIBIT 'D' IN
 VOL. 4407, PG. 191,
 D.R.R.C.T.

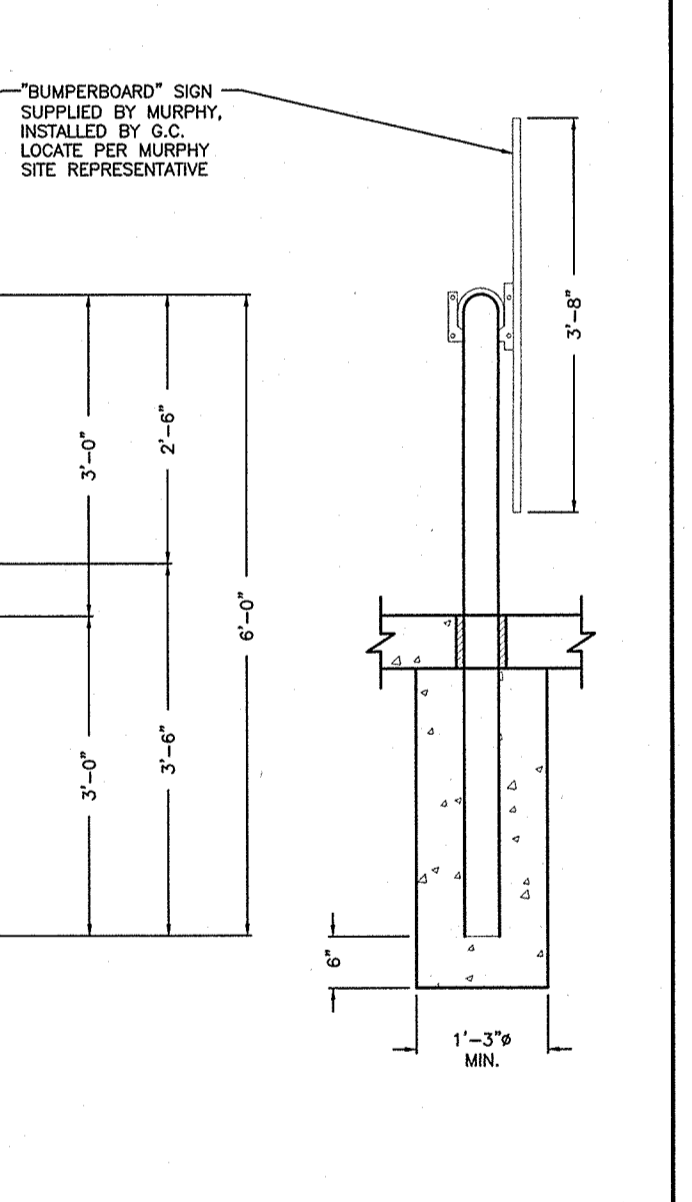
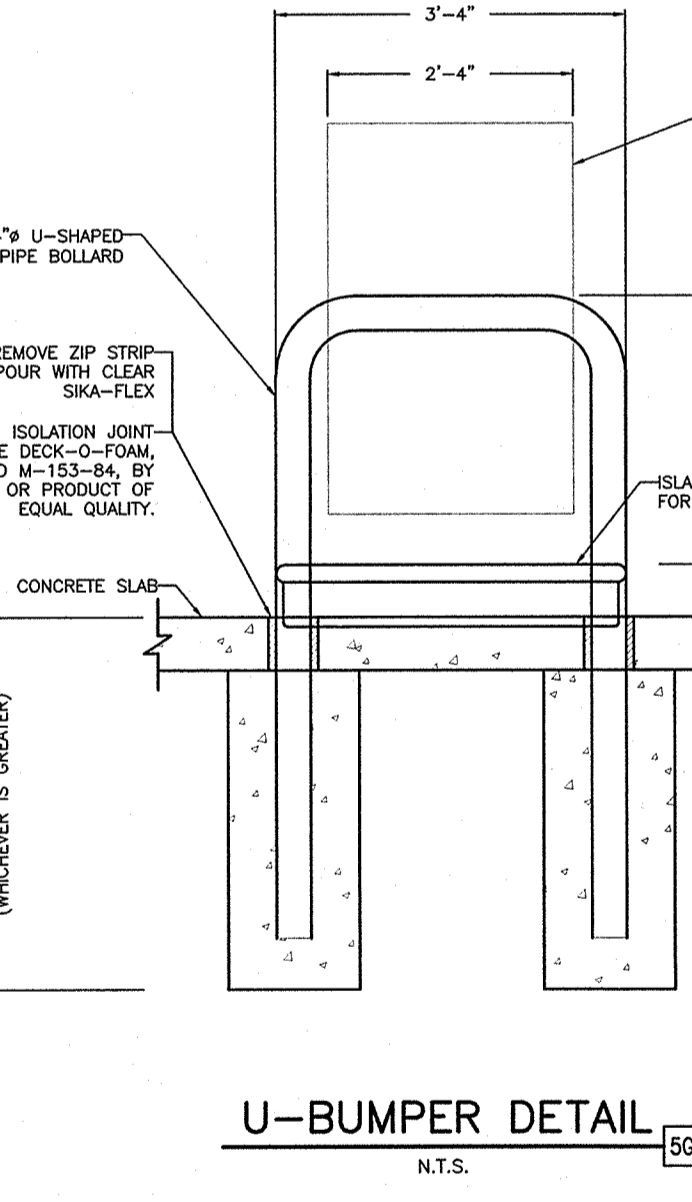
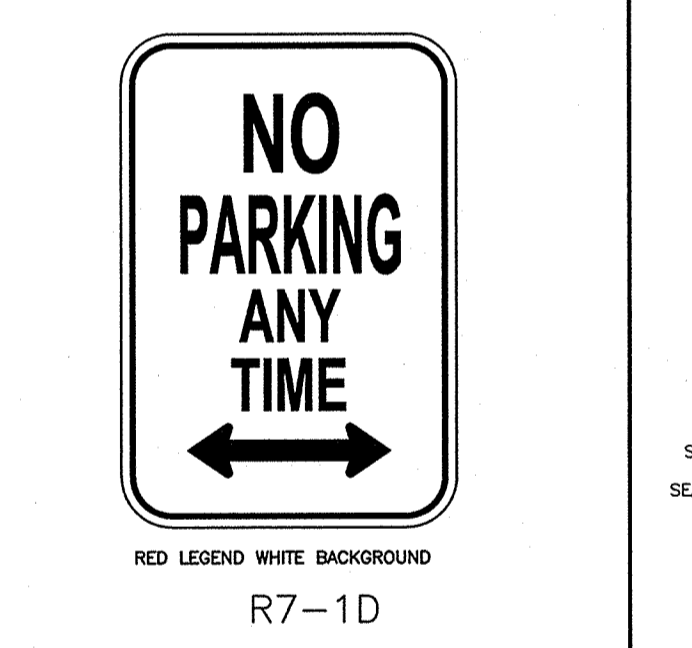
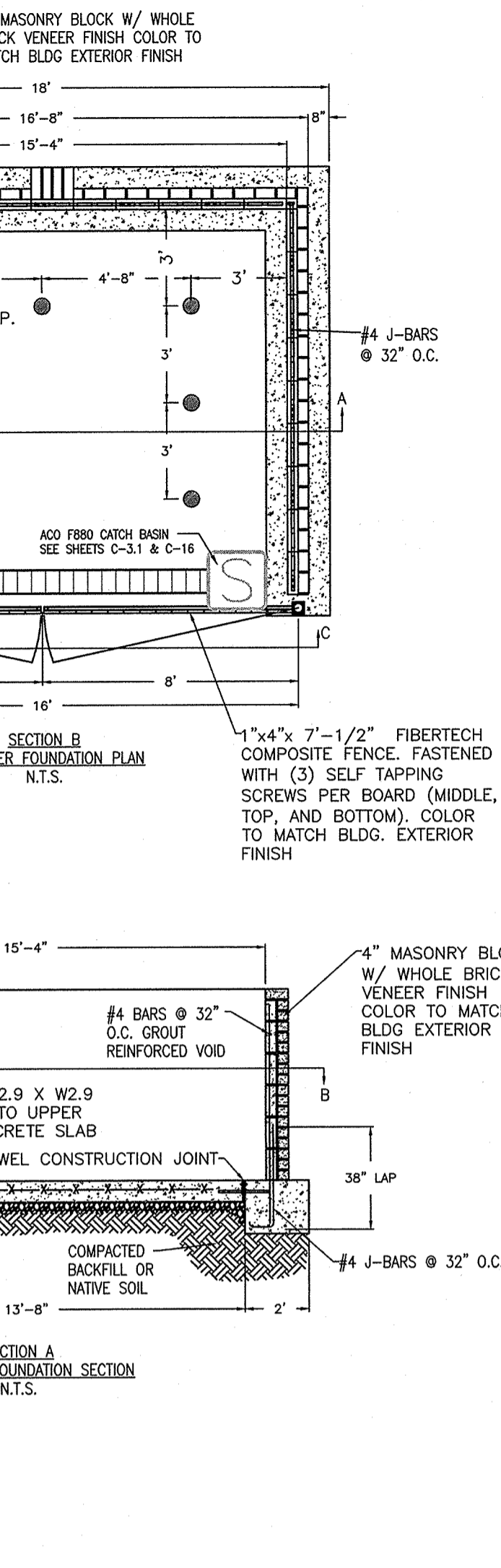
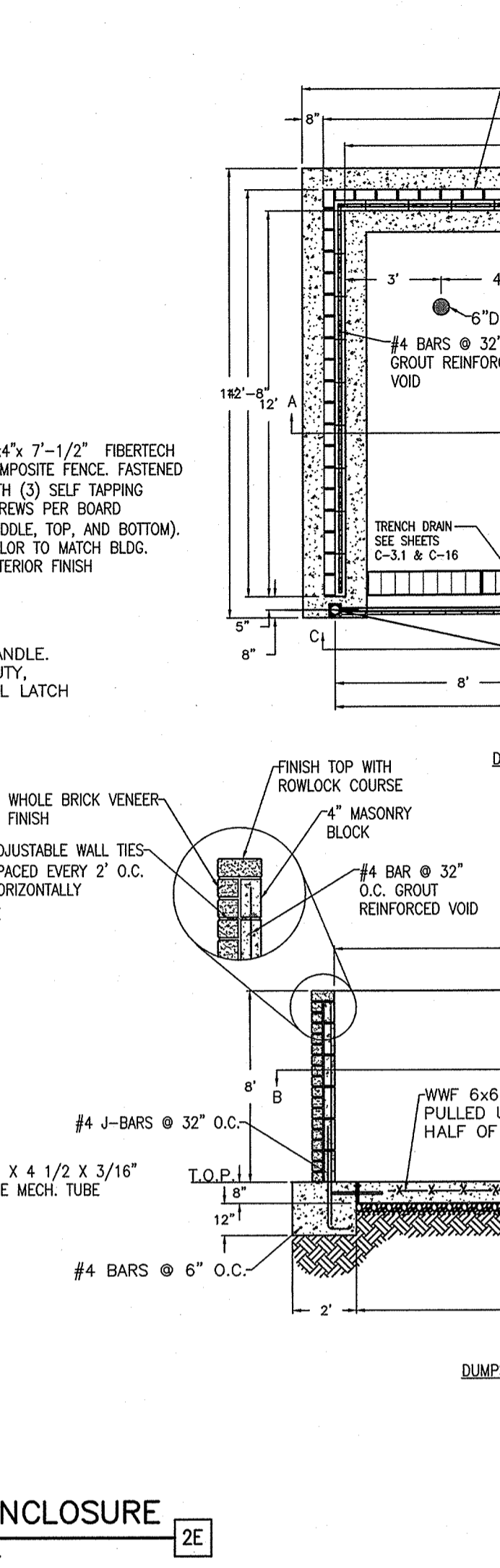
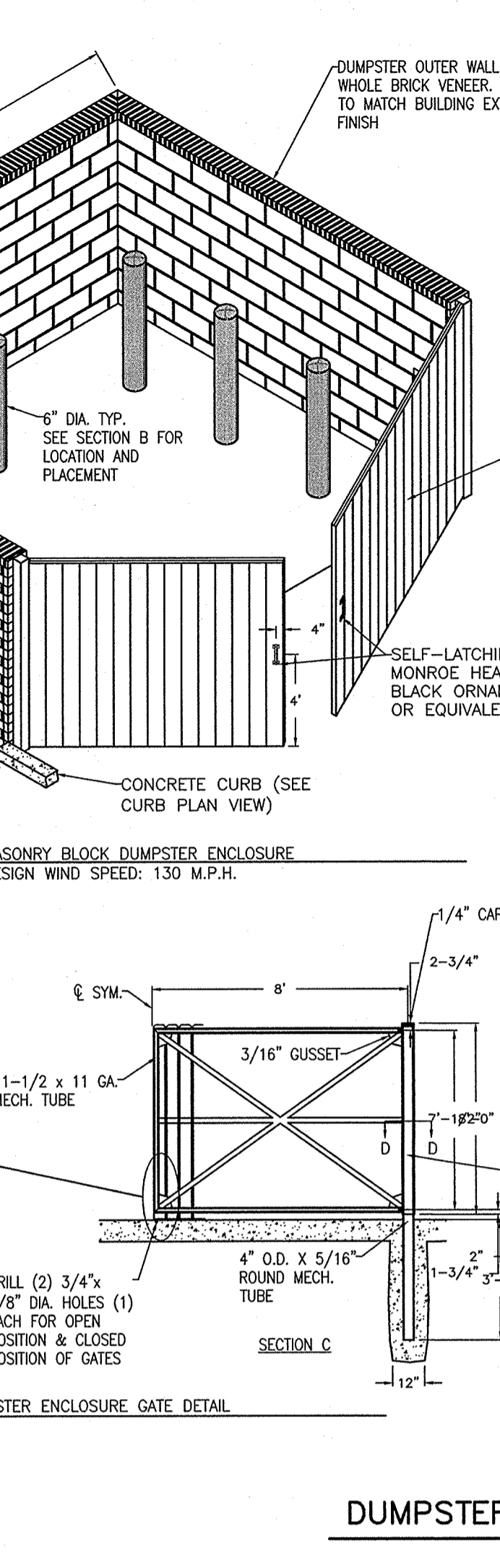
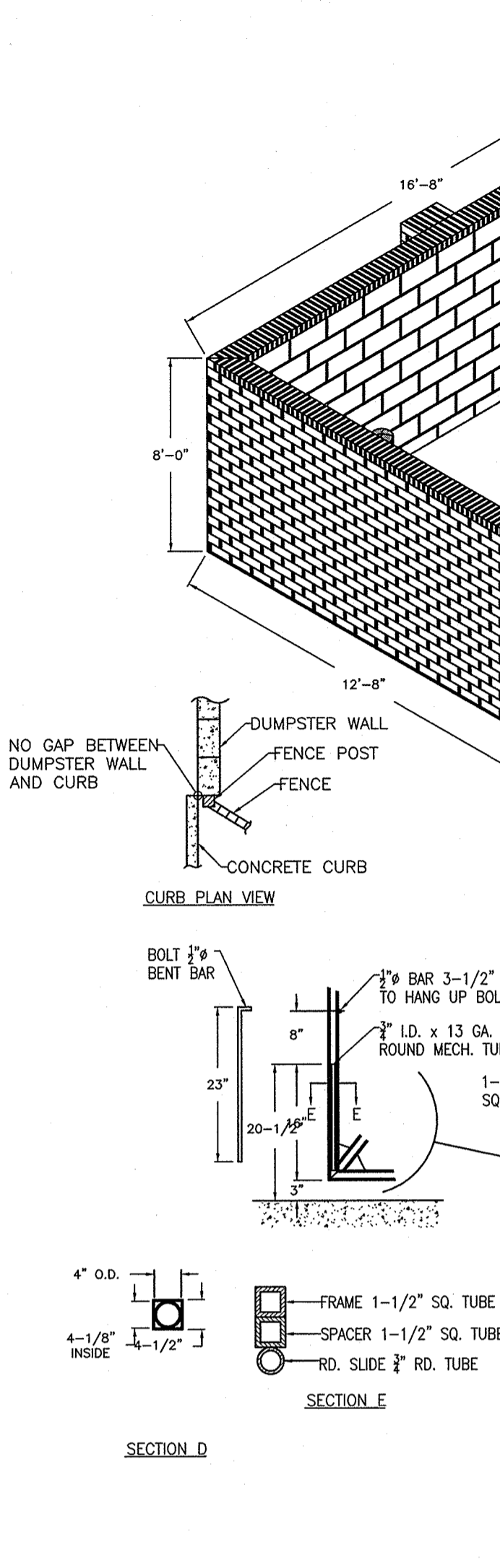
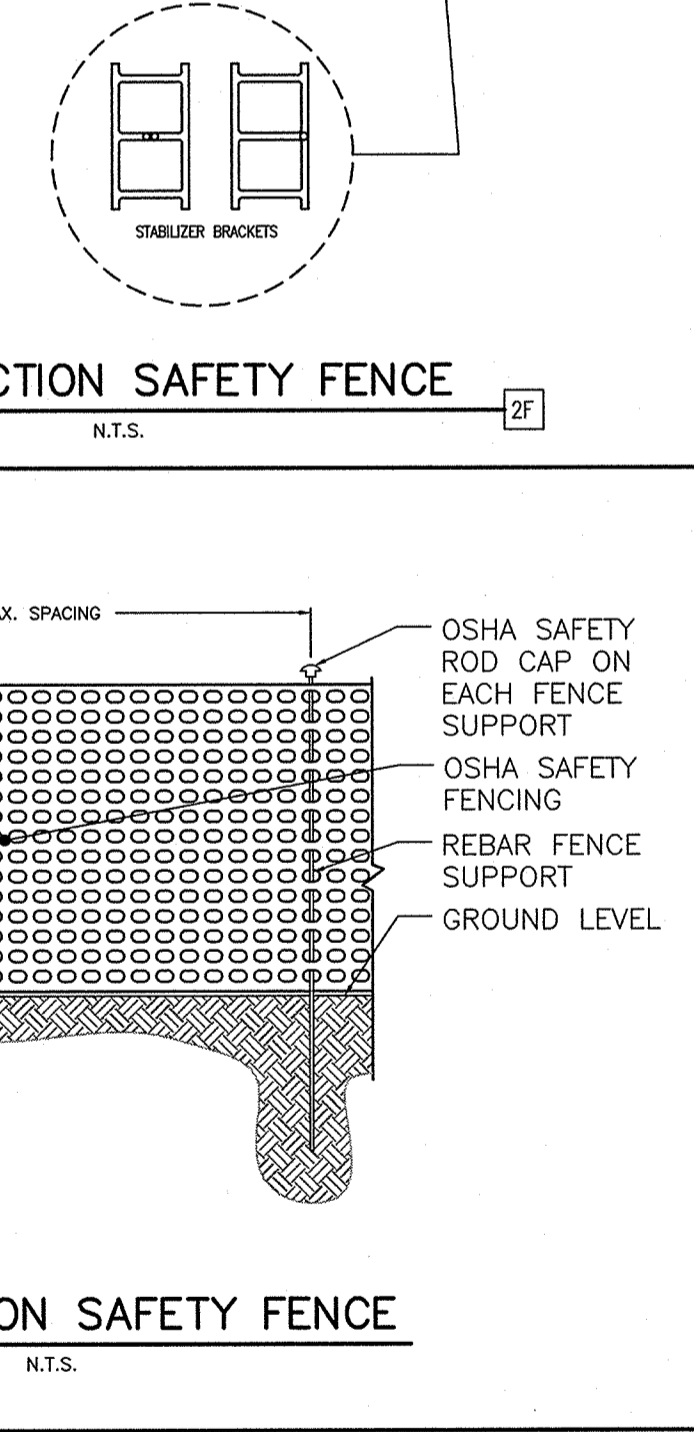
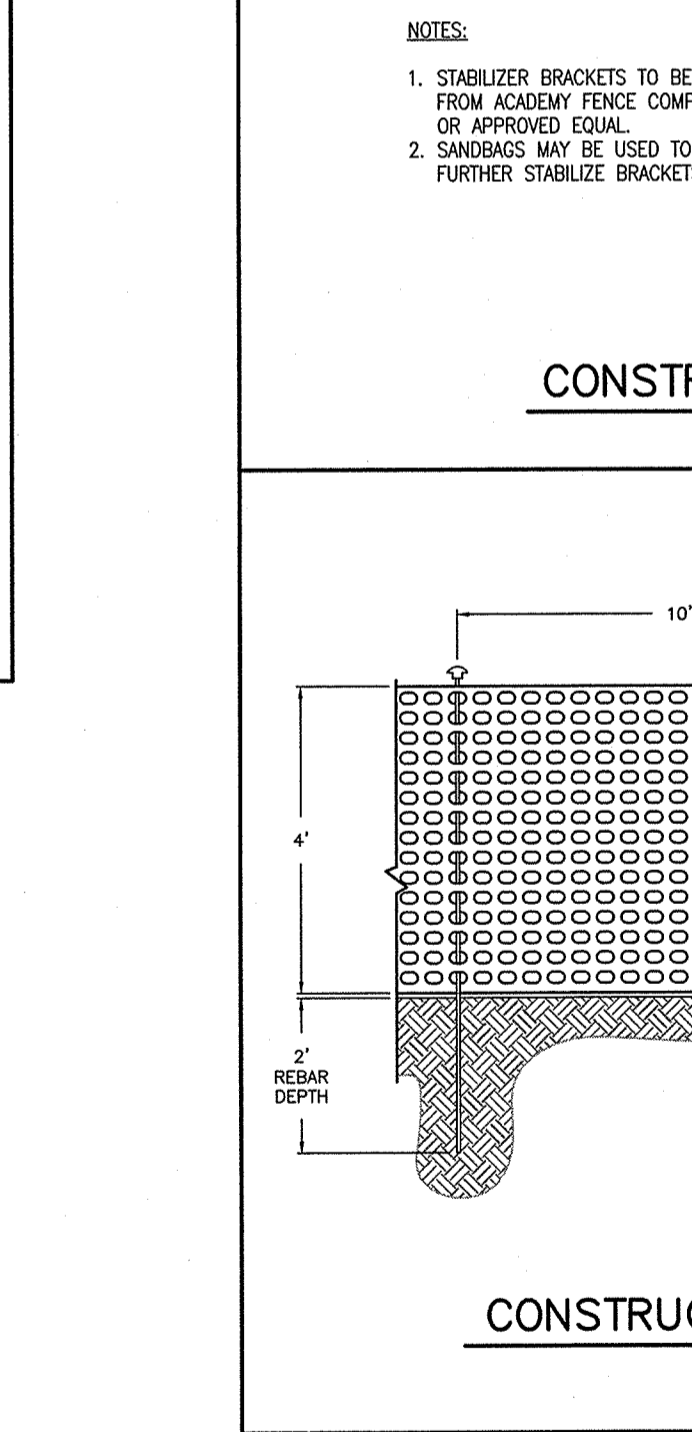
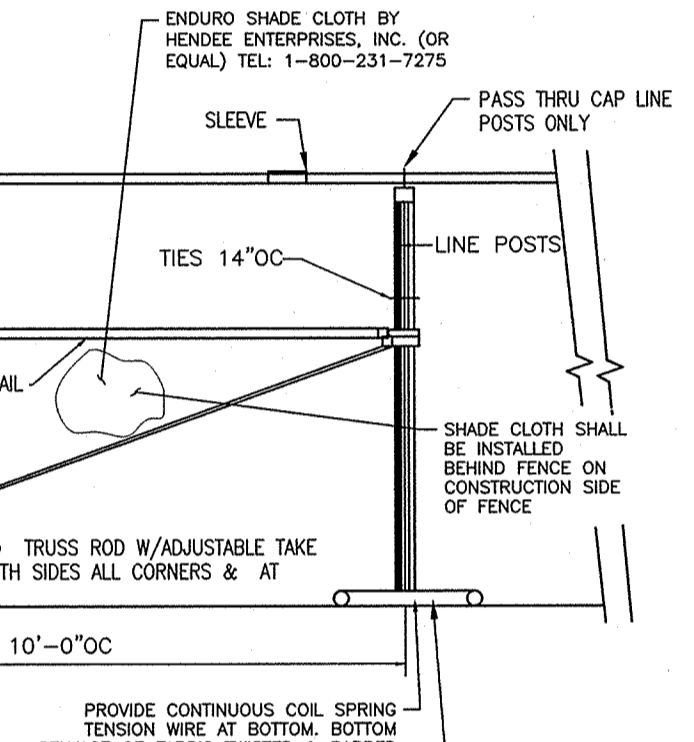
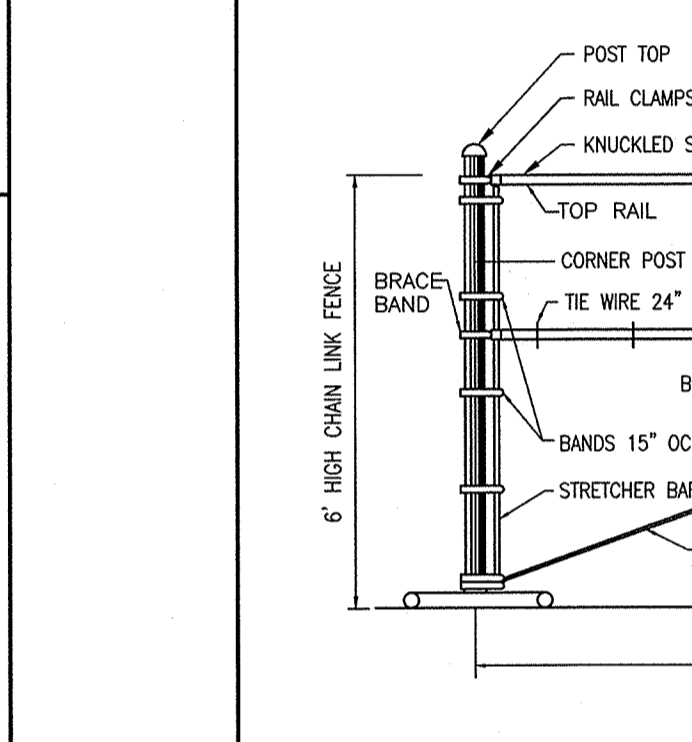
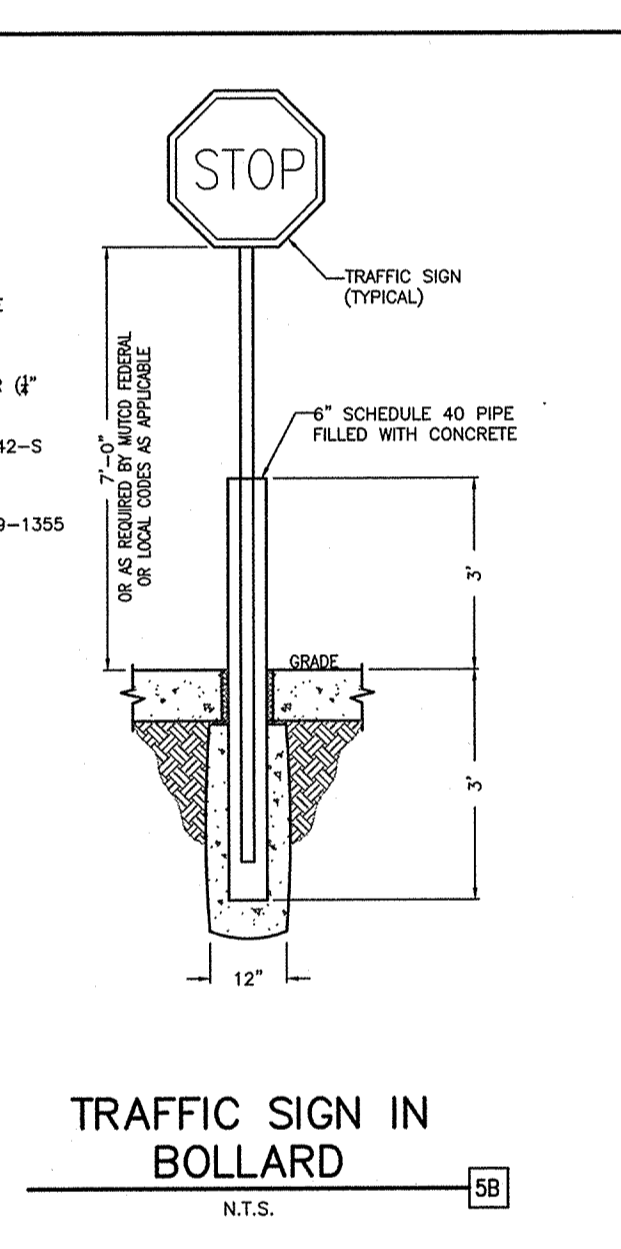
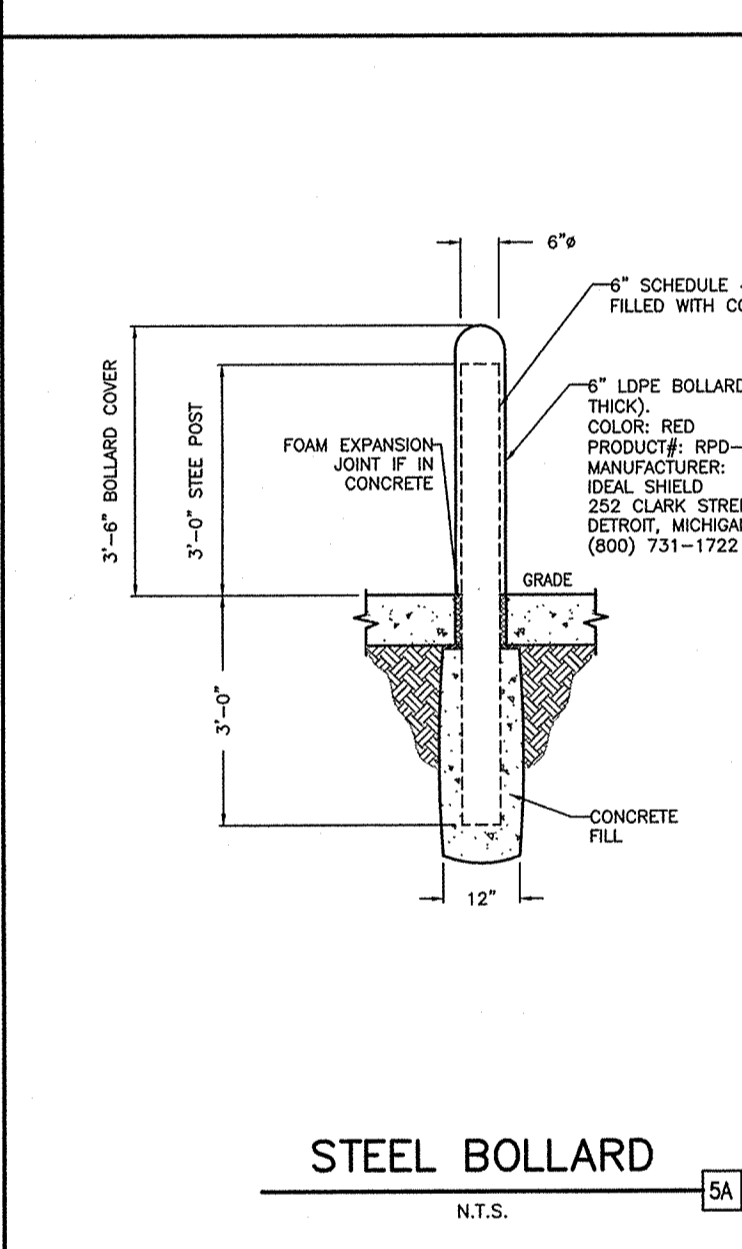
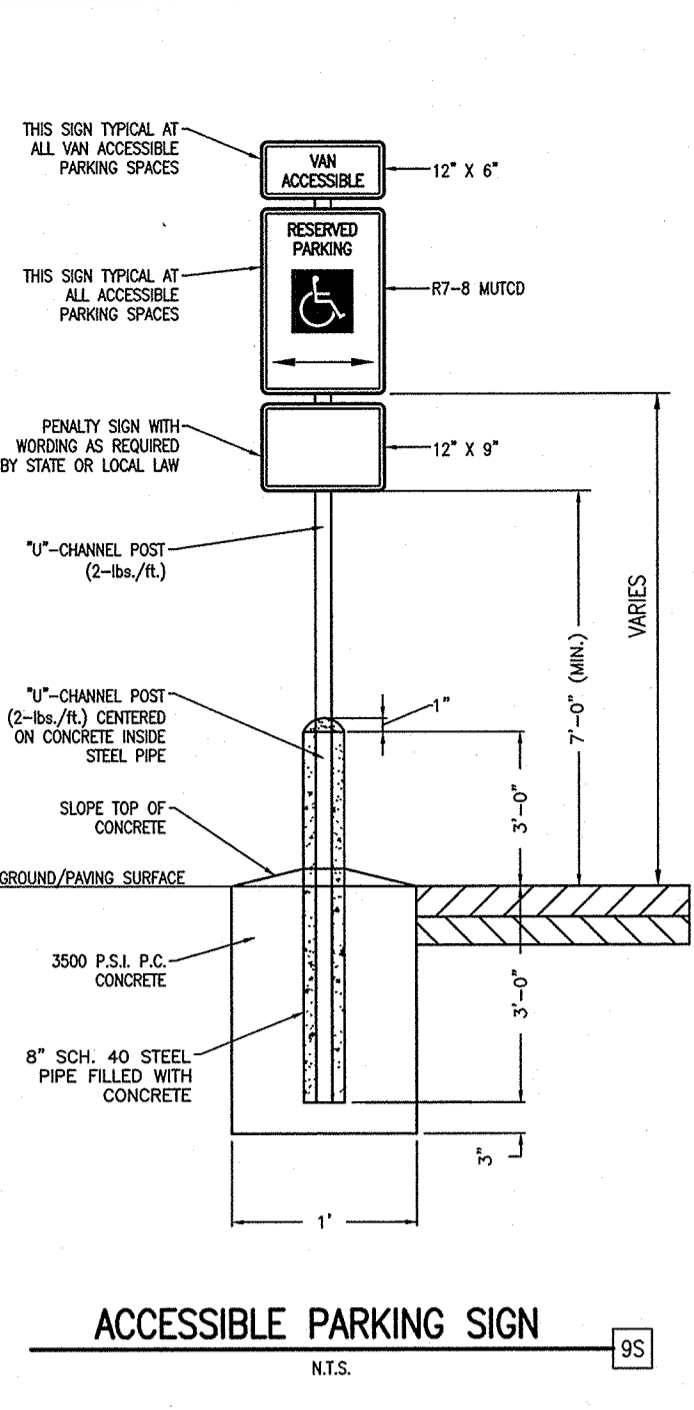
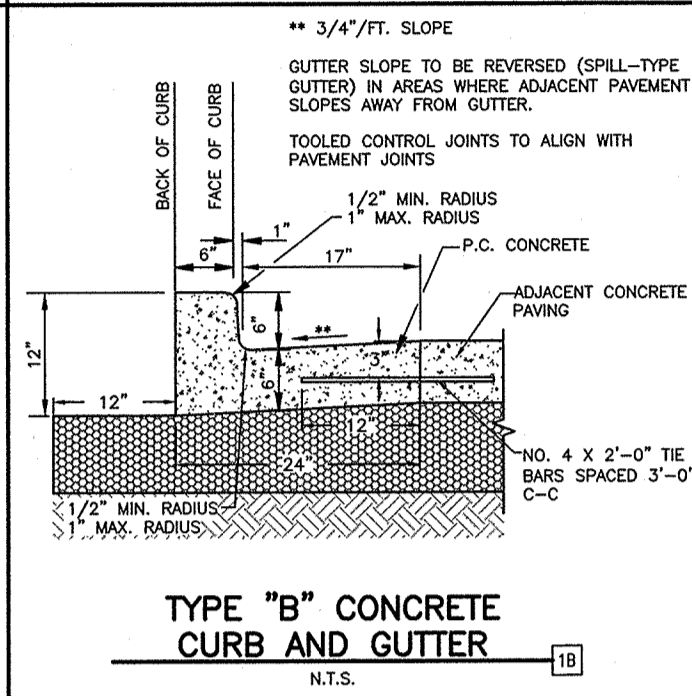
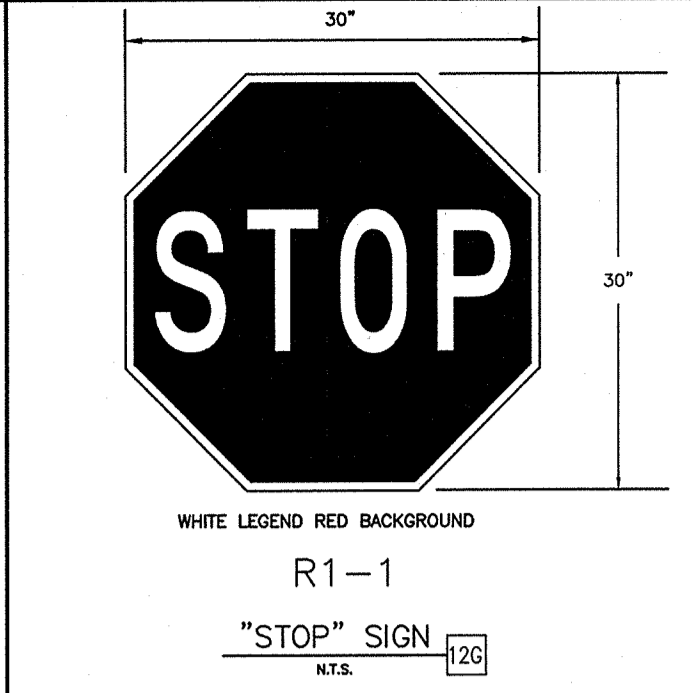
INTERSTATE HIGHWAY 30
 (300' RIGHT-OF-WAY)

I-30 FRONTAGE ROAD

R=3,665.14'
 L=63.97'
 CHL=63.97'



- ACCESSIBLE PARKING SYMBOL**
N.T.S.
- NOTES:**
- LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING.
 - SEE DETAIL 10A FOR MINIMUM PAINT REQUIREMENTS.
- MINIMUM REQUIREMENTS:**
- USE TRAINED AND EXPERIENCED PERSONNEL IN APPLYING THE PRODUCTS AND OPERATING THE EQUIPMENT REQUIRED FOR PROPERLY PERFORMED WORK.
 - PAIN SHALL BE WATERBORNE OR SOLVENT BORNE, COLOR SHALL BE REFLECTIVE YELLOW UNLESS OTHERWISE SPECIFIED. PAVEMENT MARKING PAINTS SHALL COMPLY WITH APPLICABLE STATE AND LOCAL LAWS ENACTED TO ENSURE COMPLIANCE WITH FEDERAL CLEAN AIR STANDARDS. PAINT MATERIALS SHALL CONFORM TO THE RESTRICTIONS OF THE LOCAL AIR POLLUTION CONTROL DISTRICT.
 - WATERBORNE PAINT: PAINTS SHALL CONFORM TO FEDERAL SPECIFICATION T7-1182 (LATEST REVISION) AND ALL APPLICABLE ASTM STANDARDS WITHIN THIS SPECIFICATION.
 - SOLVENT BORNE PAINT: PAINT SHALL CONFORM TO FEDERAL SPECIFICATION A-2886 OR ASHTO M248. PAINT SHALL BE NON-BLEEDING, QUICK-DRYING, AND ALKALI PETROLEUM BASE. PAINT SUITABLE FOR TRAFFIC-BEARING SURFACE AND BE MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS BEFORE APPLICATION FOR COLOR YELLOW (UNLESS OTHER COLOR IS OTHERWISE SPECIFIED).
 - GLASS BEADS: ASHTO M 247, TYPE 1 OR FS TT-B-1325, TYPE 1, GRADATION A.
 - APPLY TWO COATS OF PAINT, AT MANUFACTURER'S RECOMMENDED RATE, WITHOUT ADDITION OF THINNER, WITH MAXIMUM OF 100 SQUARE FEET PER GALLON OR AS REQUIRED TO PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS AND DRY FILM THICKNESS OF 7 MILS PER COAT. PAINT SHALL BE APPLIED FOR A TOTAL DRY FILM THICKNESS OF 15 MILS. APPLY WITH MECHANICAL EQUIPMENT TO PRODUCE UNIFORM STRAIGHT EDGES.
 - APPLY GLASS BEADS AT PEDESTRIAN CROSSWALK STRIPING AND AT LANE STRIPING AND ARROWS. BROADCAST GLASS BEADS UNIFORMLY INTO WET MARKINGS AT A RATE OF 6 LB/GAL.



SHEET NO. C-12

DETAIL SHEET

WALMART SUPERCENTER #259

776 E. I-30 FRONTAGE RD.

ROCKWALL, TEXAS

REV-0

DATE 06-19-18

RA PRN

CB PM

BB DES

SS DRW

JOHN H. NOURZAD

PROFESSIONAL ENGINEER

NO. 85192

STATE OF TEXAS

GreenbergFarrow

1430 W. PEACHTREE ST., NW SUITE 200
ATLANTA, GA 30309
PHONE: (404) 601-4000
FAX: (404) 601-9775
JOB NO.: 201807
TEXAS REGISTRATION NO. F-4380

MURPHY OIL USA, INC.

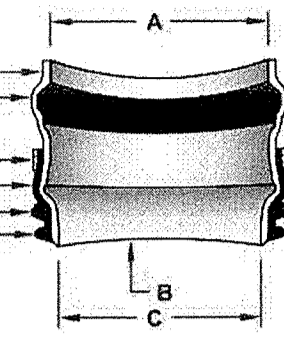
MURPHY 200 PEACH STREET
P.O. BOX 7000
USA **USA** EL DORADO, AR 71730-7000

RECORD DRAWING:

TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

FATBOY, SDR 26, SDR 35 GASKETED BELL GRAVITY APPLICATIONS

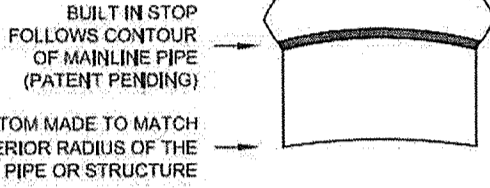
- A. BELL END ACCEPTS PIPE WITH SDR 26, SDR 35 AND ASTM D3034 OR EQUIVALENT O.D. SPECIFICATION IN 4" AND 6" SIZES.
- B. CURVATURE VARIES WITH MAINLINE DIAMETERS.
- C. SPIGOT END SDR 26, PVC SDR 35, ASTM D3034 DIAMETERS: 4" AND 6"



PART	PART NAME	MATERIALS
1	HUB ADAPTOR	PVC SDR 26 ASTM D3034
2	RUBBER GASKET	ASTM F477
3	SECURING CLAMP*	BAND SS #301 SCREW SS #305 HOUSING SS #301
4	RUBBER SLEEVE (AVAILABLE IN NITRILE AND EPDM BY SPECIAL ORDER)	ASTM F477
4A	UPPER SEGMENT**	
4B	LOWER SEGMENT**	

*OPTIONAL: #316 STAINLESS STEEL BAND, SCREW AND HOUSING
 **DISTANCE BETWEEN 4A AND 4B WILL VARY BY PRODUCT TYPE
 ***WILL NOT APPEAR ON RUBBER SLEEVES FOR CONCRETE OR CLAY PIPE

INSERTA TEE SIZE	HOLE DIAMETER
4" (100 mm)	4 1/2" (114 mm)
6" (150 mm)	6 1/2" (165 mm)



NOTE: RECOMMENDED METHOD OF CUTTING HOLE IS WITH HOLE SAW FOR PVC AND OTHER PLASTICS, AND DIAMOND BIT FOR CONCRETES, CLAY, FRP AND DL. (SEE INSTALLATION INSTRUCTIONS. HOLE SAWS ARE AVAILABLE FOR PURCHASE OR RENT.)

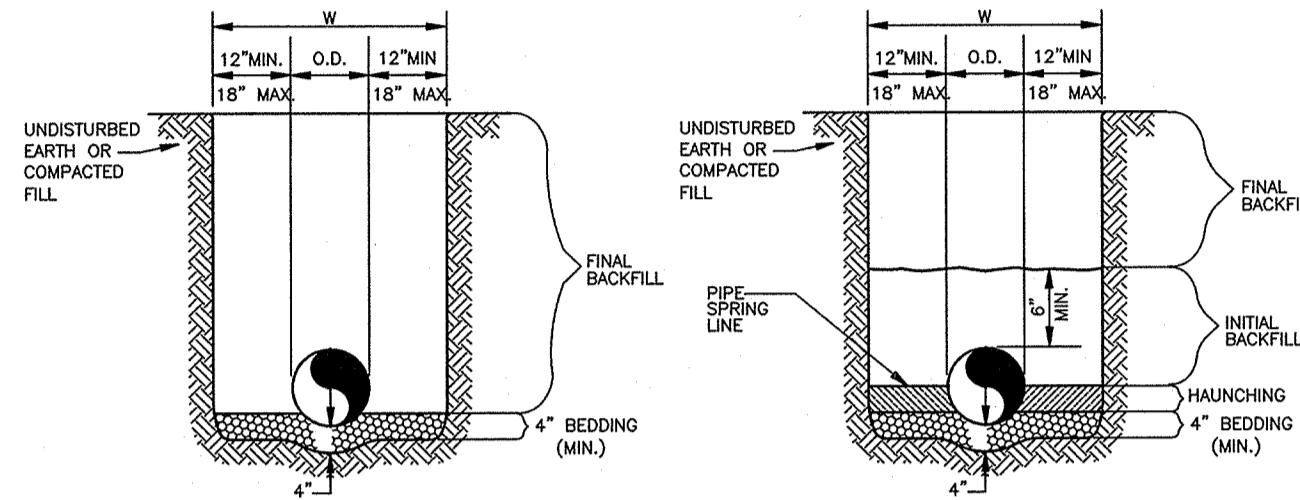


INSERTA TEE | PO BOX 714
 CORNELIUS, OR 97116
 PH: (503) 357-2110 FAX: (503) 358-8417
 SALES@INSERTATEE.COM

FATBOY, SDR 26, SDR 35 GASKETED BELL GRAVITY APPLICATION SPECIFICATIONS
 SCALE: NTS
 DATE: 9/12/2013
 DRAWN BY: KJL

230

CONCRETE BOX CULVERT

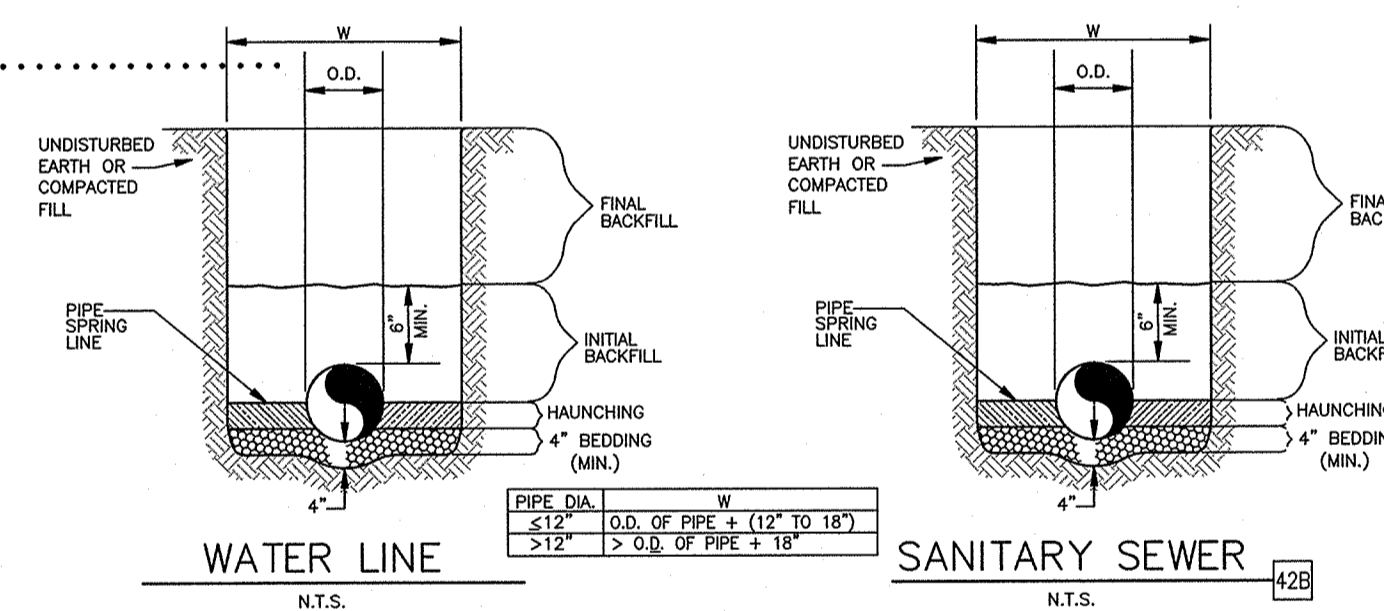


REINFORCED CONCRETE PIPE (RCP) AND SPIRAL RIB PIPE SMALLER THAN 60" Ø
ALL OTHER PIPES INCLUDING SPIRAL RIB PIPE 60" Ø AND LARGER

GENERAL NOTES

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR.
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3, AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
- ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
- FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
- ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)
- THE USE OF DETAILS AS OUTLINED IN THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS, FOURTH EDITION AND THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION, OCTOBER 2016.

PRIVATE STORM SEWER TRENCH AND BEDDING



GENERAL NOTES

- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321 LATEST EDITION.
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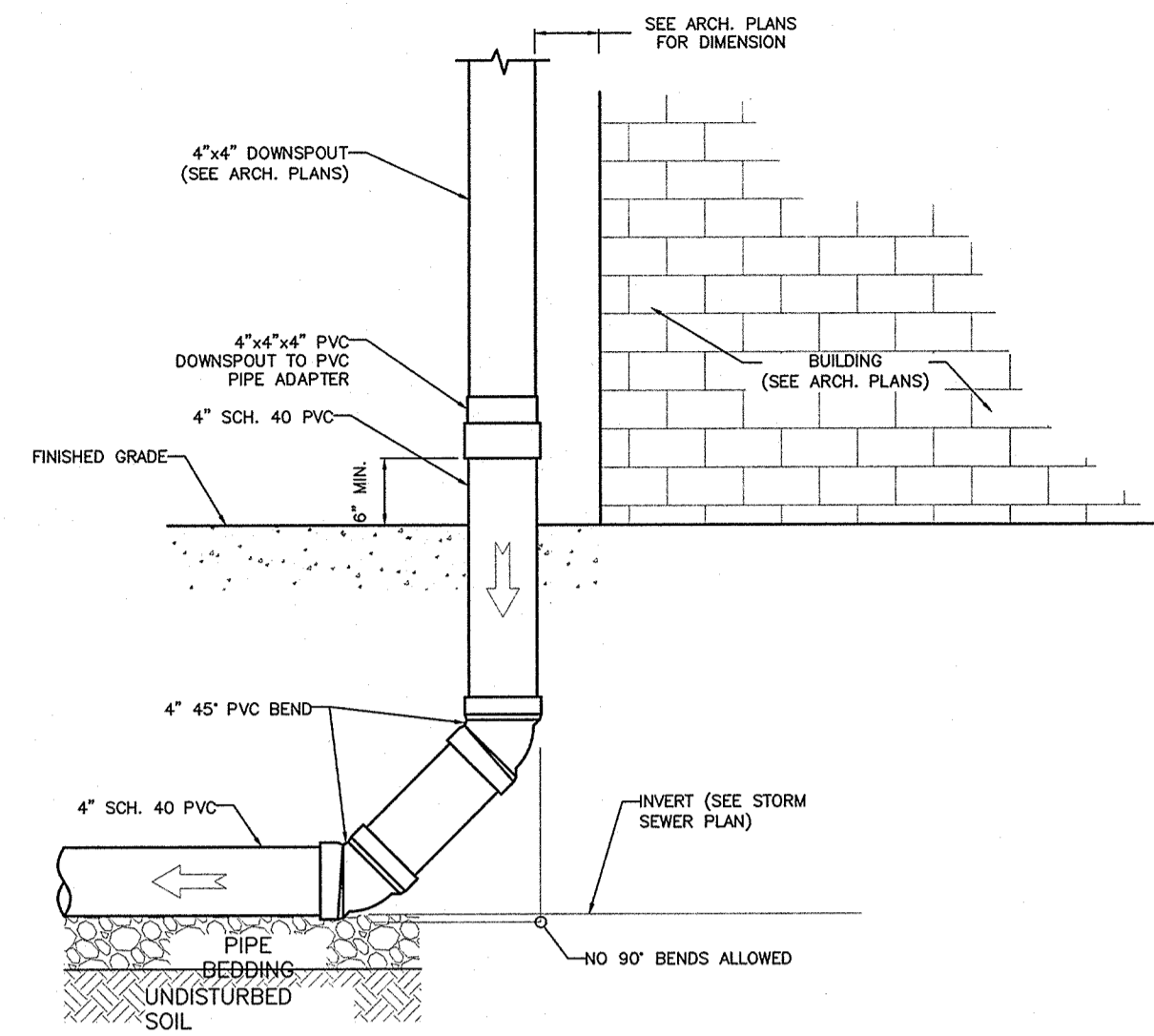
PRIVATE UTILITY TRENCH AND BEDDING

GENERAL NOTES

- ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OR DESIGN.
- THE USE OF DETAILS AS OUTLINED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS, FOURTH EDITION AND THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION, OCTOBER 2016.

CONNECTION WITH CLEAN-OUT

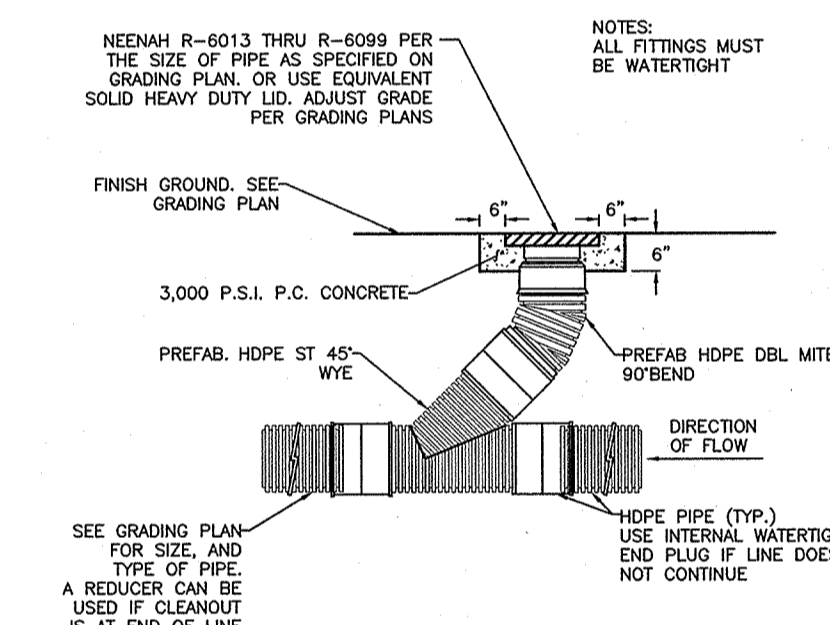
N.T.S.



- NOTES:
 1. SEE CANOPY DRAINAGE SHEET FOR CONTINUATION
 2. CONTRACTOR TO VERIFY THERE ARE NO CONFLICTS WITH OTHER UTILITY CONDUITS WHEN INSTALLING UNDERGROUND DRAINAGE PIPES.

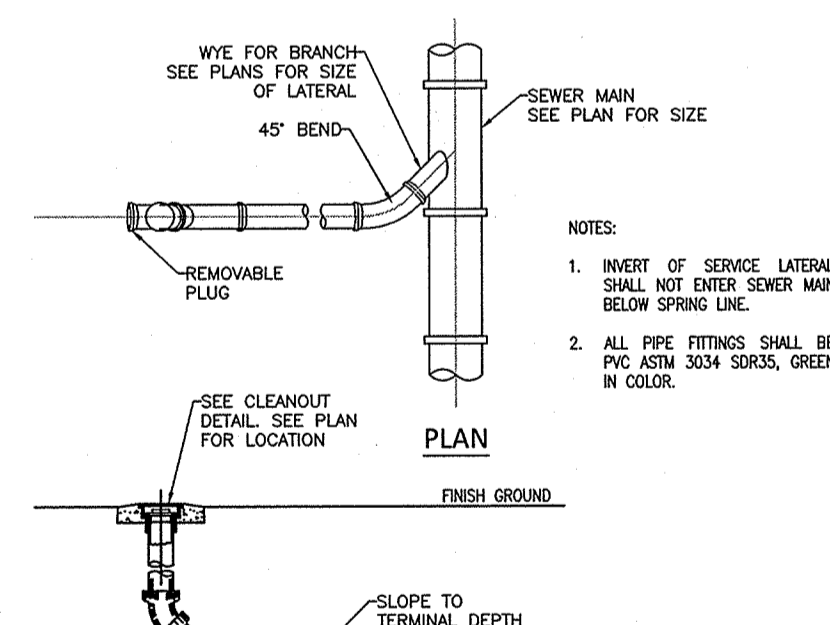
ROOF DRAIN DOWNSPOUT CONNECTION

N.T.S.



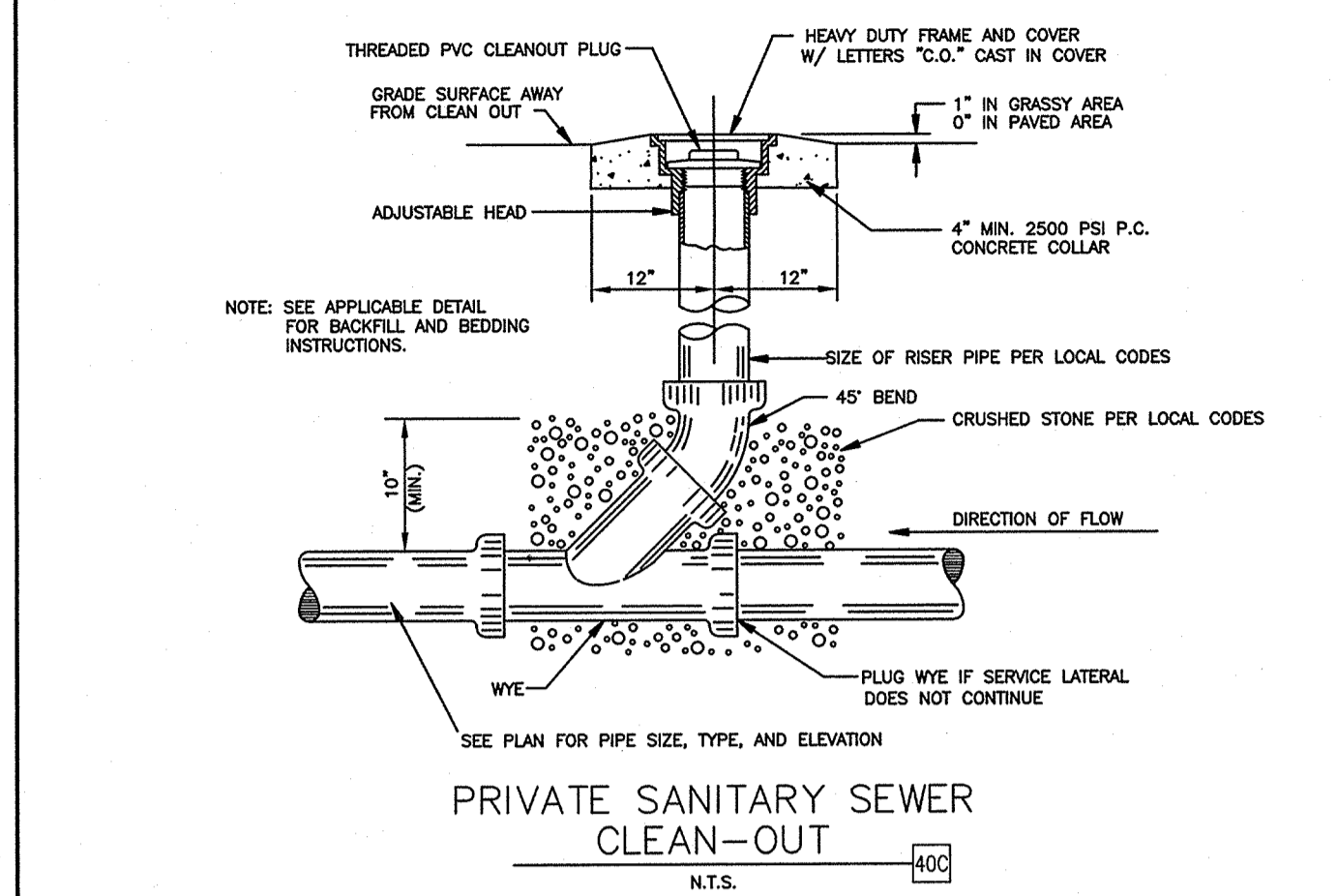
STORM DRAIN CLEAN-OUT (FOR HDPE PIPE)

N.T.S.



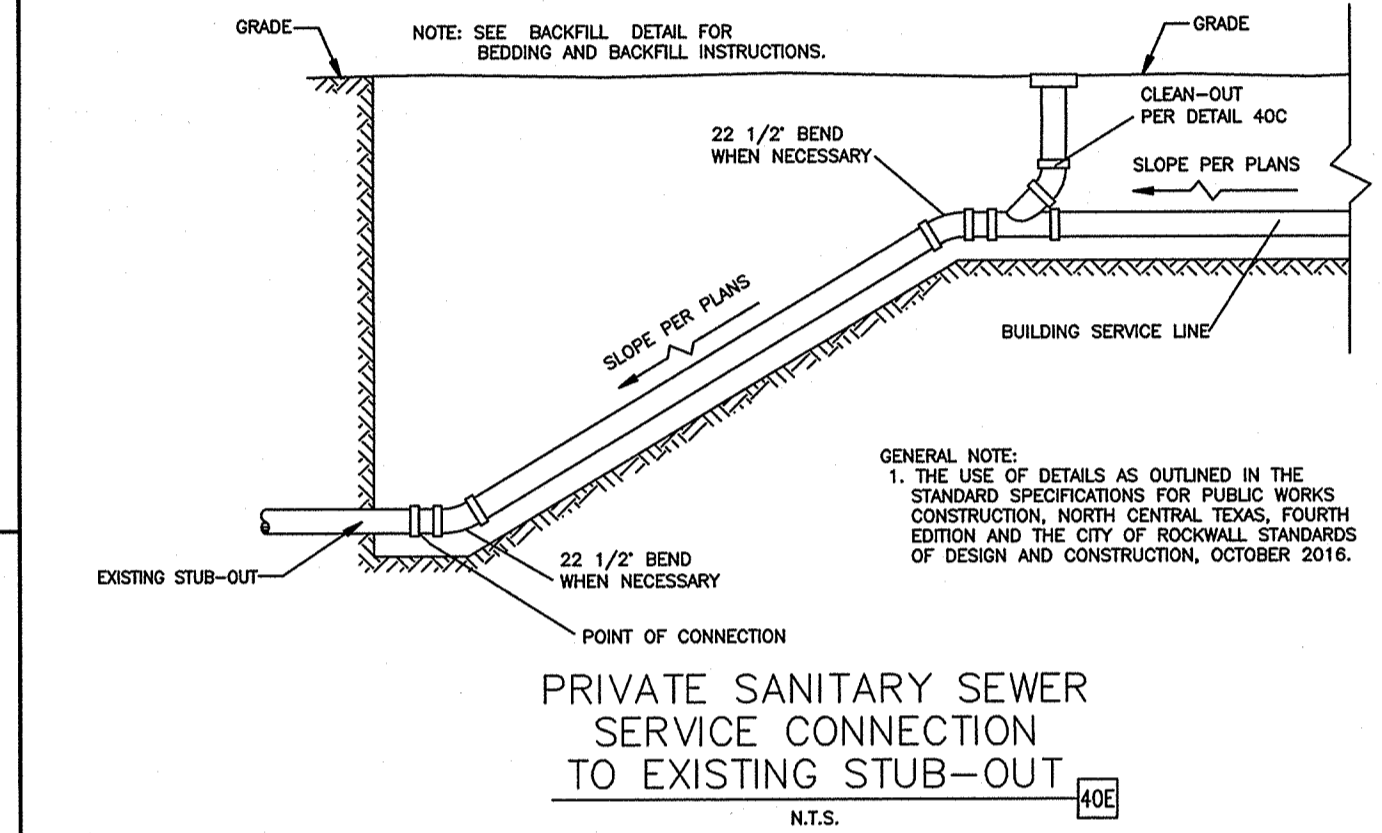
BELOW GROUND BACKFLOW PREVENTER

N.T.S.



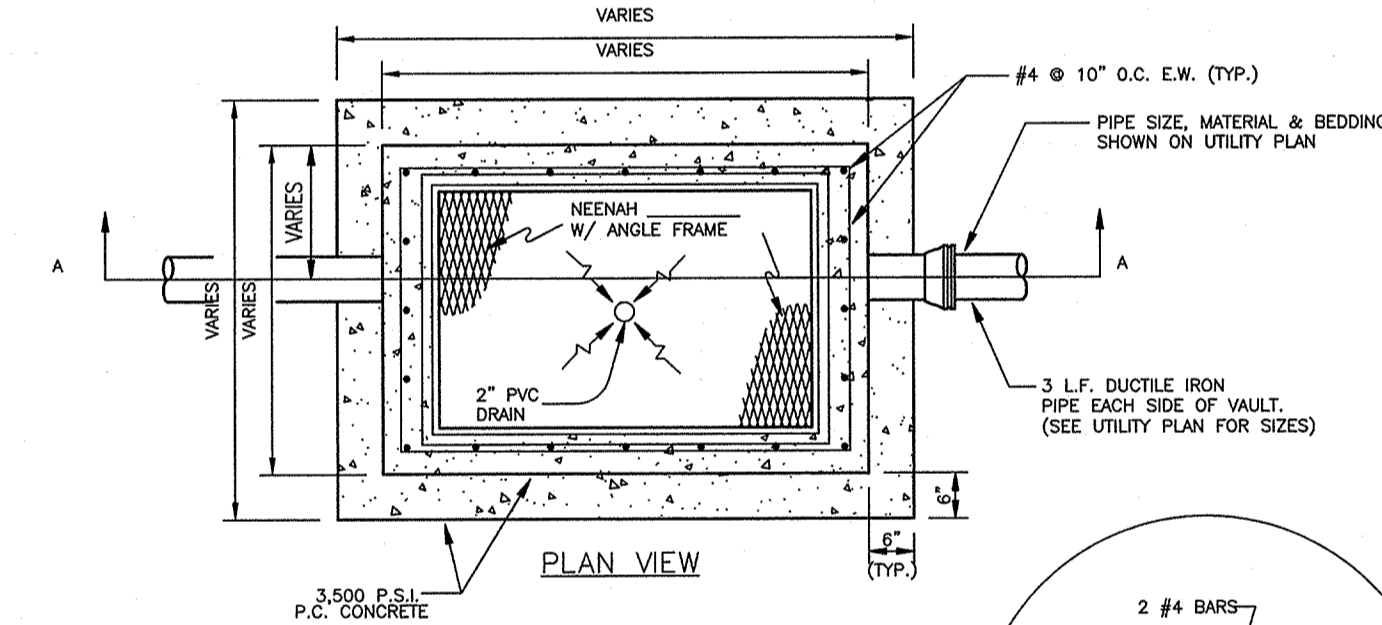
PRIVATE SANITARY SEWER CLEAN-OUT

N.T.S.



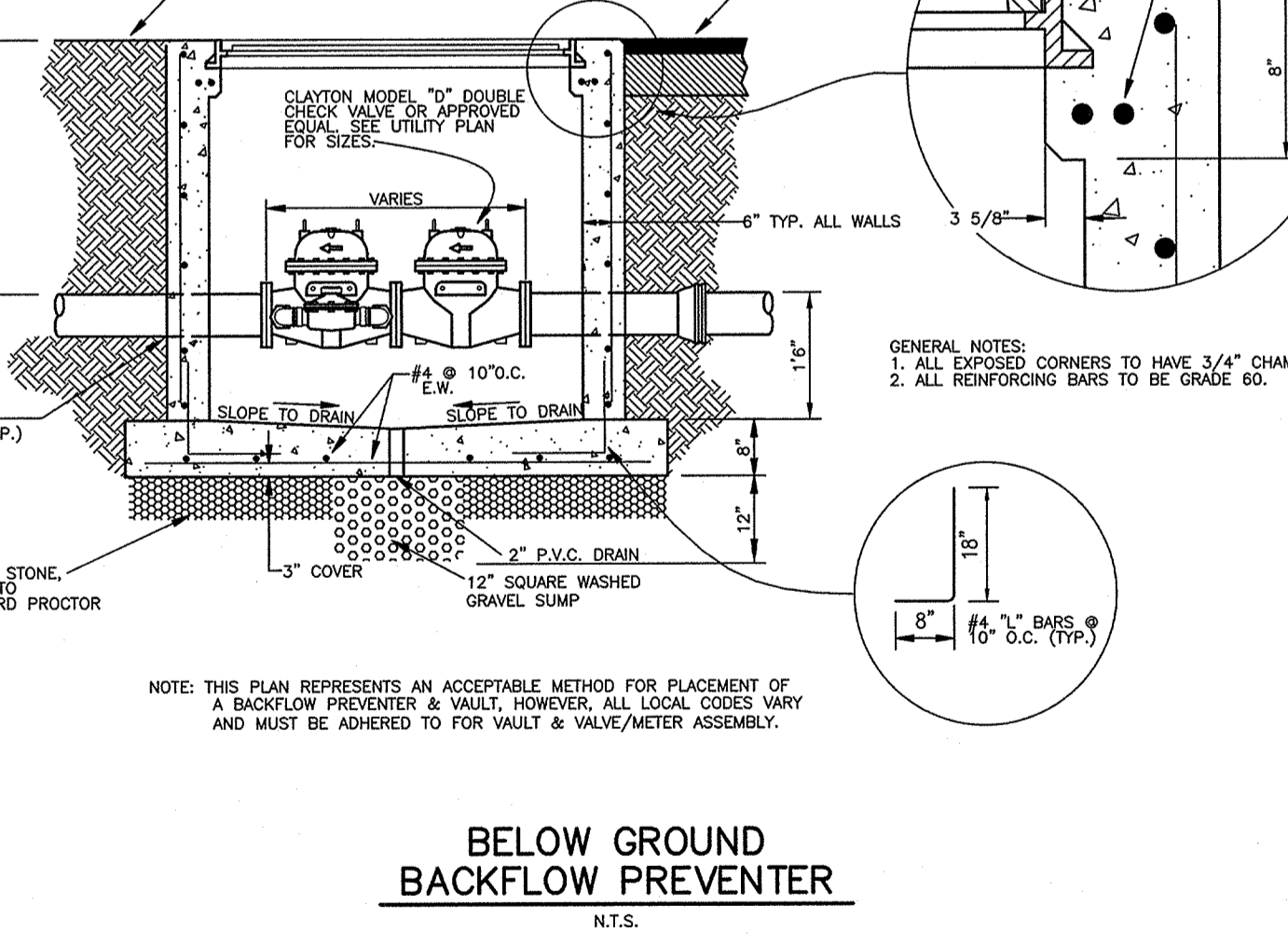
PRIVATE SANITARY SEWER SERVICE CONNECTION TO EXISTING STUB-OUT

N.T.S.



STORM DRAIN CLEAN-OUT (FOR HDPE PIPE)

N.T.S.



BELOW GROUND BACKFLOW PREVENTER

N.T.S.

RECORD DRAWING:

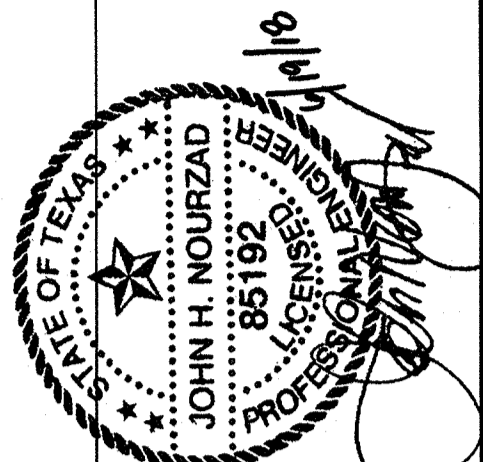
TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

SHEET NO. C-13

DETAIL SHEET
WALMART SUPERCENTER #259
776 E. I-30 FRONTAGE RD.
ROCKWALL, TEXAS

Greenbergfarrow
 1430 W. PEACHTREE ST., SUITE 200
 ATLANTA, GA 30309
 PH: (404) 524-8000
 FAX: (404) 524-8070
 DWG NAME: ROCKWALL, TEXAS
 JOB NO.: 2015071
 TEXAS REGISTRATION NO. F-4380

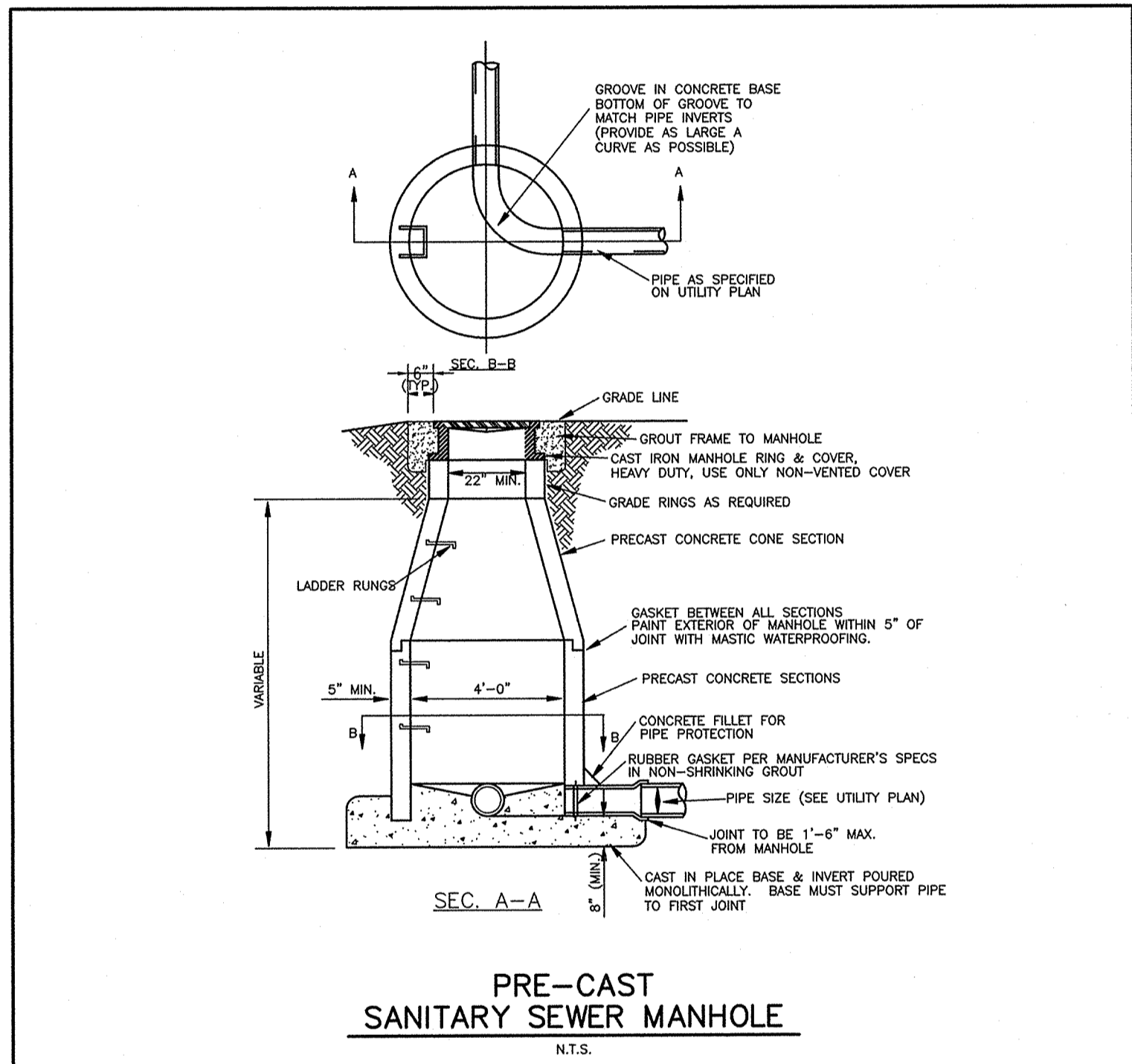
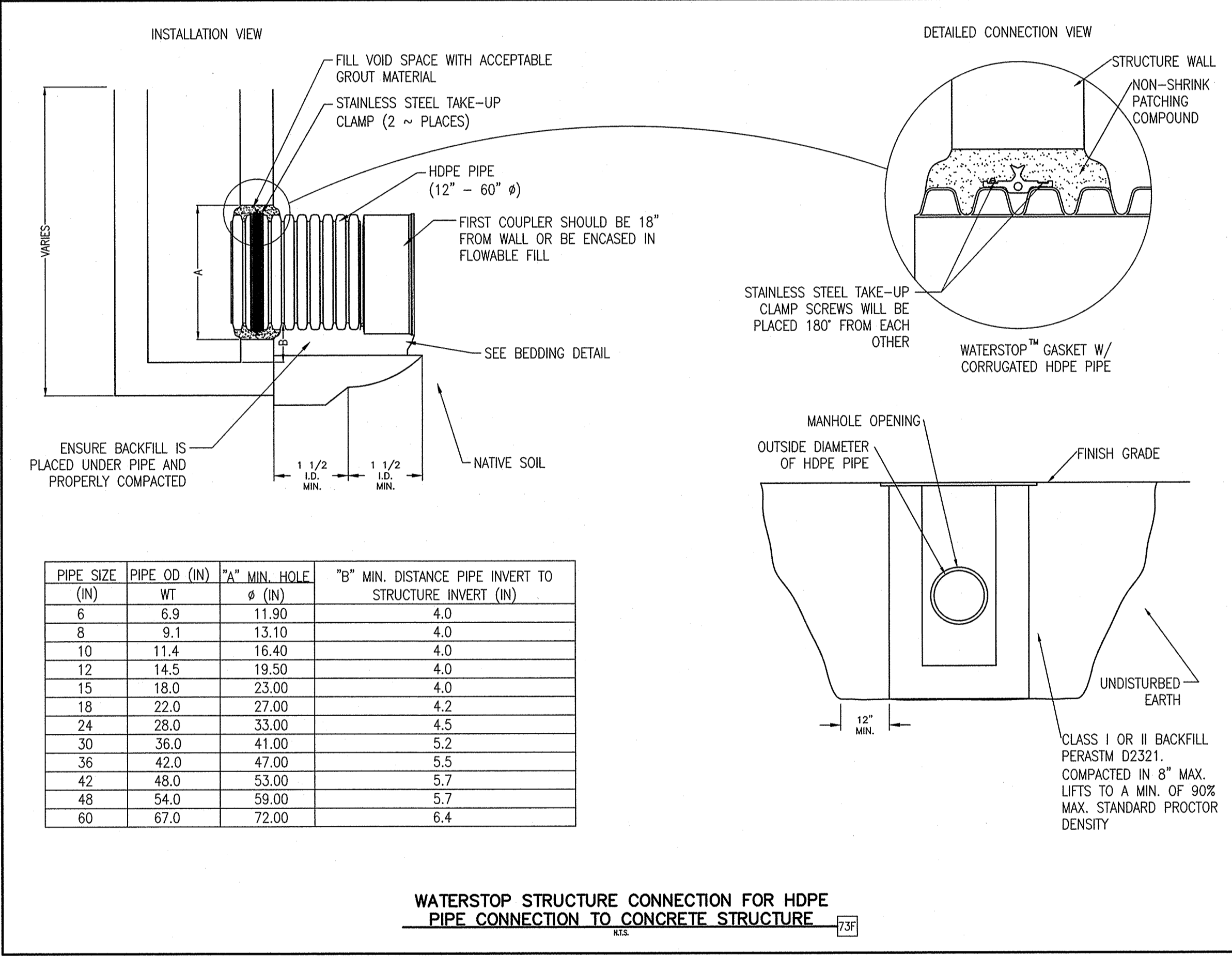
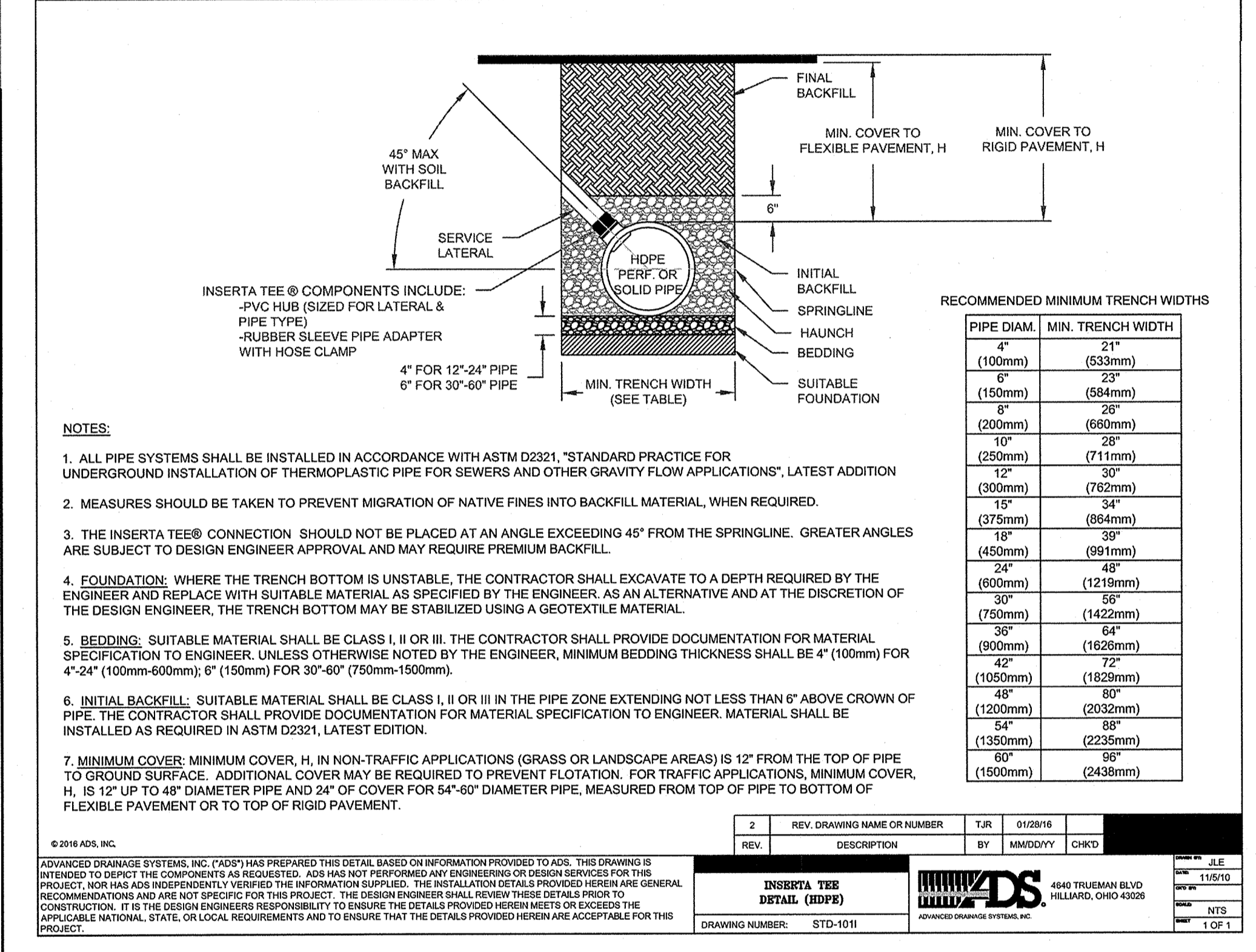
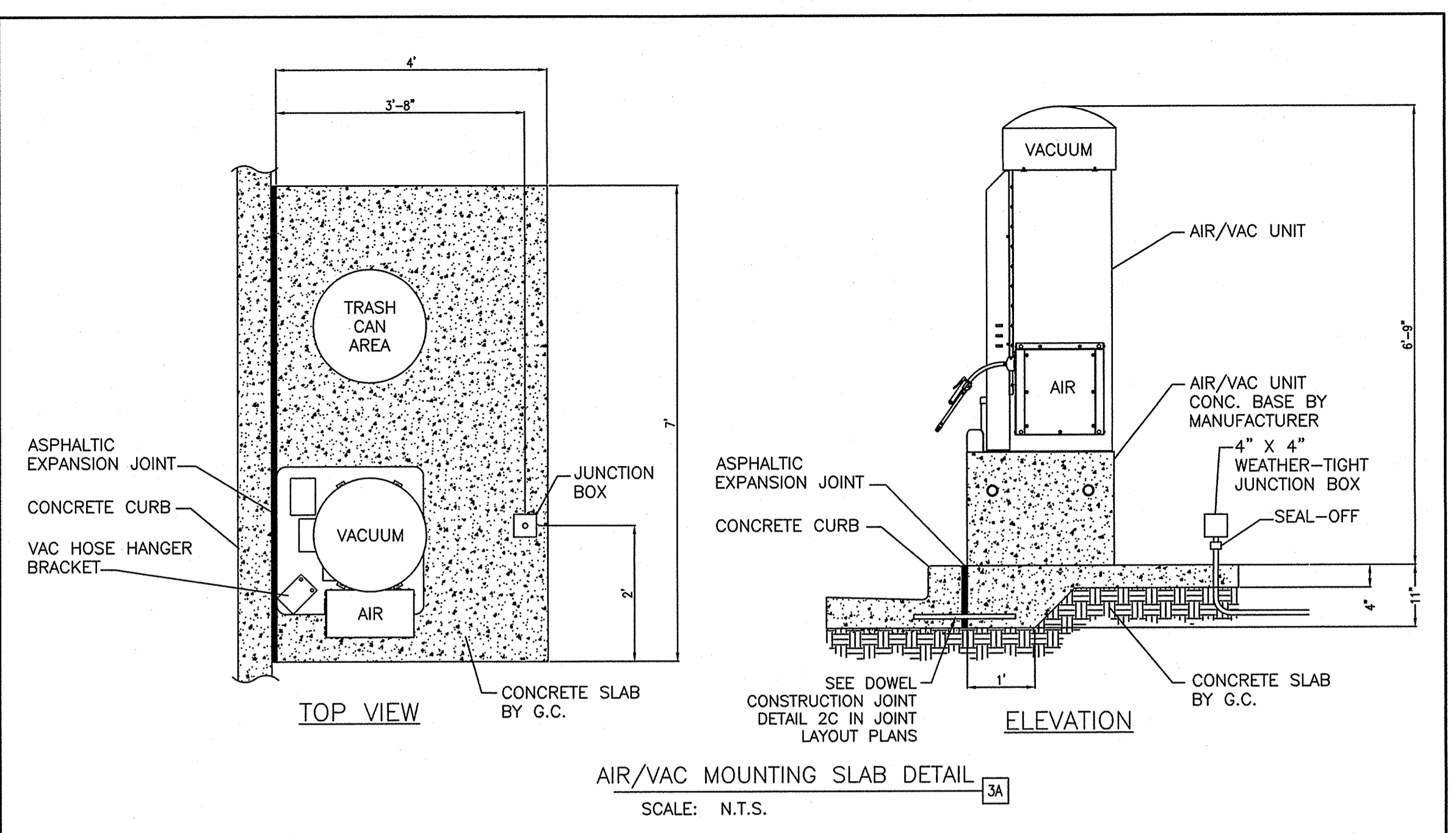
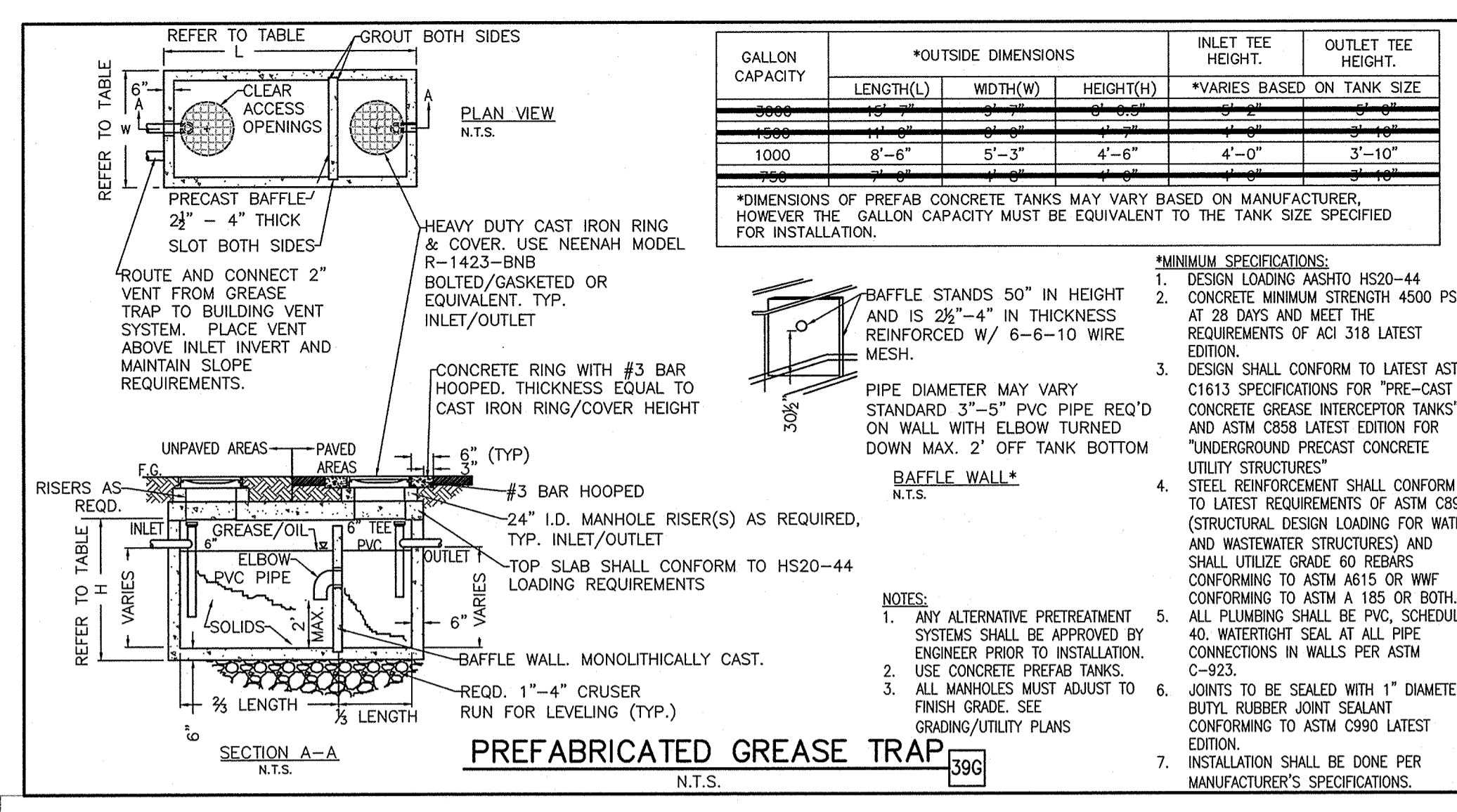
MURPHY OIL USA, INC.
 200 PEACH STREET
 P.O. BOX 7000
 USA
 EL DORADO, AR 71730-7000



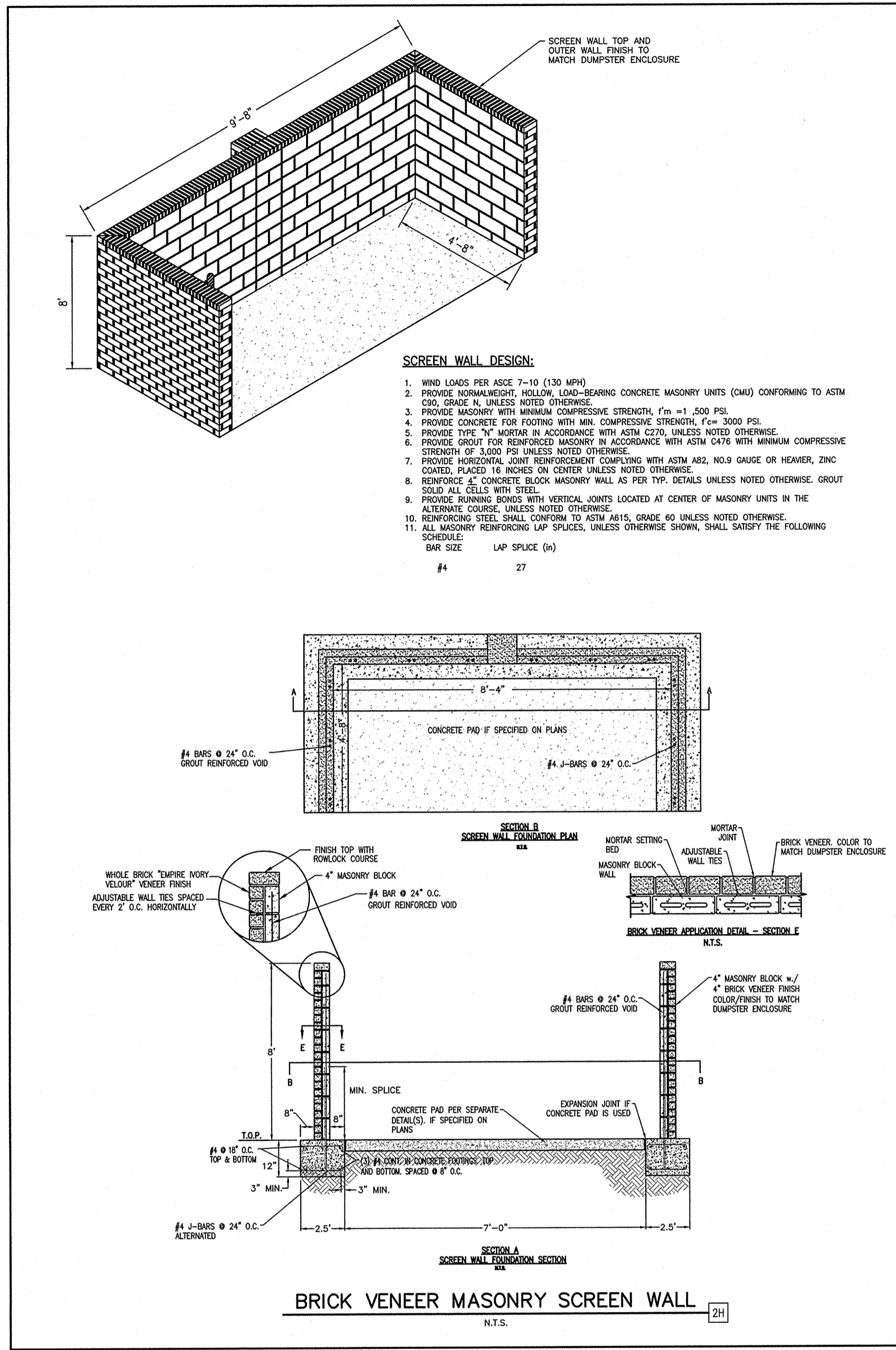
DETAIL SHEET
WALMART SUPERCENTER #259
 776 E. I-30 FRONTAGE RD.
 ROCKWALL, TEXAS

GreenbergFarrow
 1430 W. PEACHTREE ST., NW SUITE 200
 ATLANTA, GA 30309
 PHONE (404) 570-0000
 FAX (404) 570-0000
 DWG NAME: ROCKWALL, TEXAS
 JOB NO.: 2015071
 TEXAS REGISTRATION NO. F-4380

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



RECORD DRAWING:
 TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



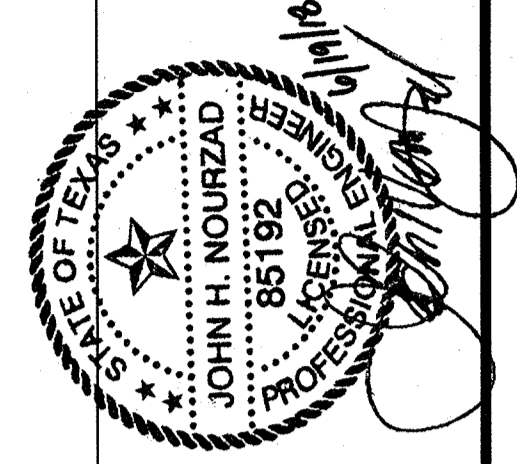
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MURPHY OIL USA, INC.
MURPHY 200 PEACH STREET
USA P.O. BOX 7000
 EL DORADO, AR 71730-7000

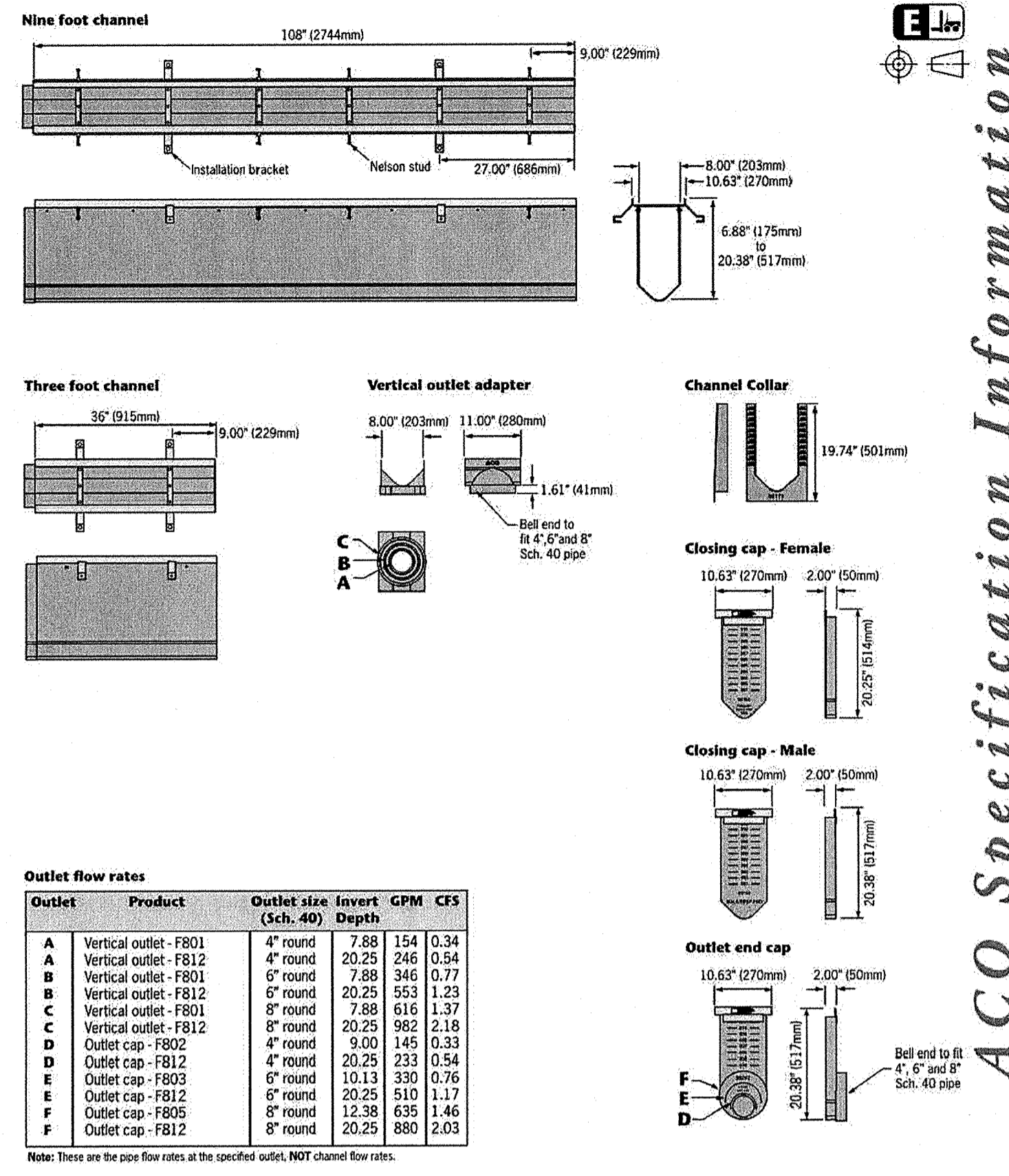
GreenbergFarrow
 1430 W. PEACHTREE ST., NW SUITE 200
 ATLANTA, GA 30309
 PHONE: (404) 525-8700
 FAX: (404) 525-8770
 DWG NAME: ROCKWALL TEXAS
 JOB NO.: 2015071
 TEXAS REGISTRATION NO. F-4380

REV-0 DATE 06-19-18
 RA PRN GB PM BB DES SS DRW
DETAIL SHEET
WALMART SUPERCENTER #259
776 E. I-30 FRONTAGE RD.
ROCKWALL TEXAS



SHEET NO.
C-15

ACO DRAIN
FlowDrain - FG200 channel system with black coated steel frame



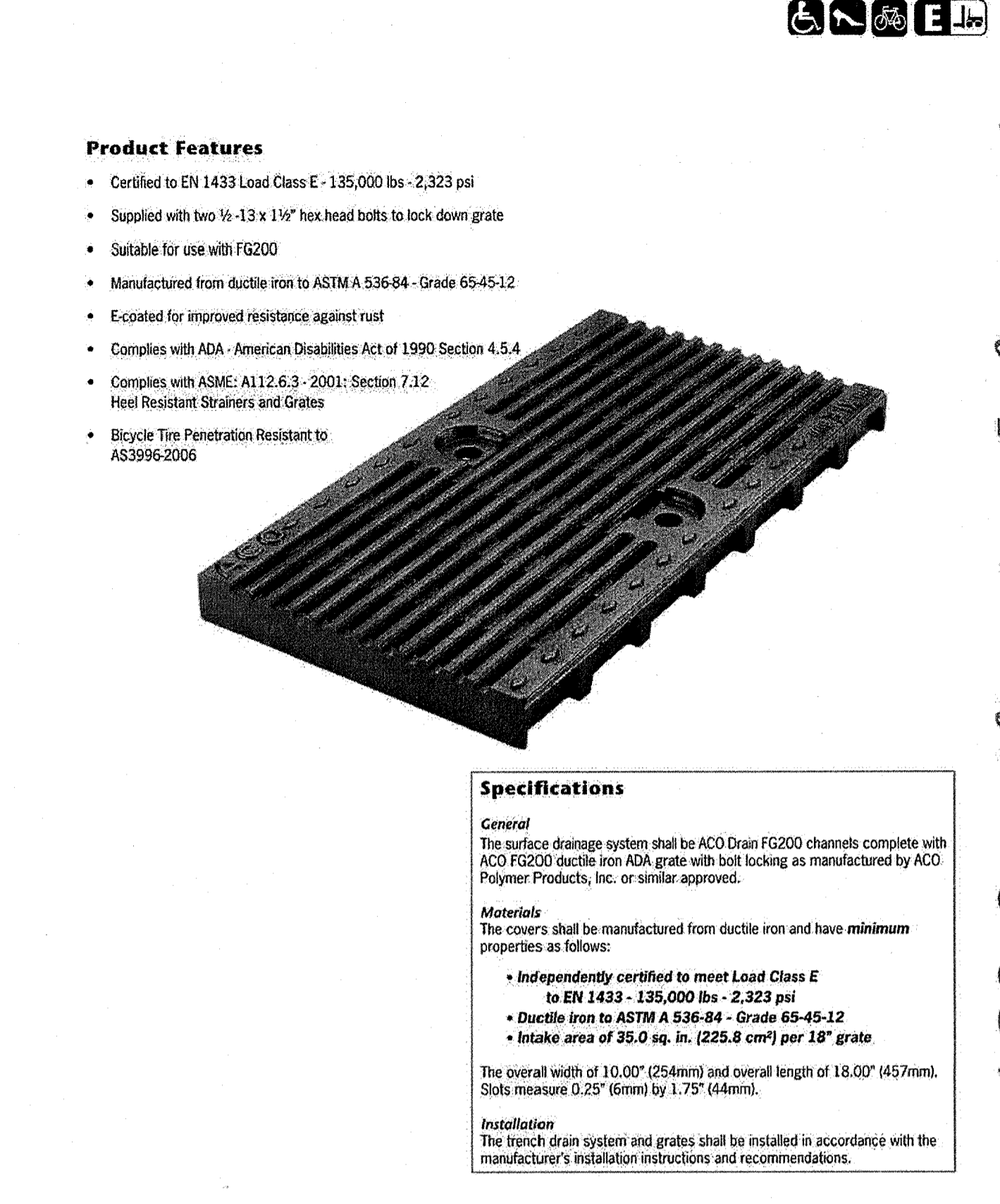
Apr 13/1 www.ACODrain.us

ACO DRAIN
FlowDrain - FG200 channel system with black coated steel frame

Description	Part No.	Invert Depth Inches	Weight lbs.
F801 Sloped channel - 108" (2.75m)	99006	6.75 - 7.88	172 - 200
F802 Sloped channel - 108" (2.75m)	99013	7.88 - 9.00	200 - 229
F803 Sloped channel - 108" (2.75m)	99021	9.00 - 10.13	229 - 257
F803N Neutral channel - 108" (2.75m)	99048	10.13	257
F803S Sloped channel - 108" (2.75m)	99034	10.13	257
F803N Neutral channel - 36" (0.915m)	99095	10.13 - 11.25	257 - 286
F805 Sloped channel - 108" (2.75m)	99062	11.25 - 12.38	286 - 314
F805 Sloped channel - 108" (2.75m)	99071	12.38 - 13.50	314 - 343
F806N Neutral channel - 108" (2.75m)	99095	13.50	343
F806S Sloped channel - 108" (2.75m)	99084	13.50	343
F807 Sloped channel - 108" (2.75m)	99109	13.50 - 14.63	343 - 371
F807 Sloped channel - 108" (2.75m)	99116	14.63 - 15.75	371 - 400
F807 Sloped channel - 108" (2.75m)	99123	15.75 - 16.87	400 - 429
F809N Neutral channel - 108" (2.75m)	99145	16.87	429
F809S Sloped channel - 108" (2.75m)	99132	16.87	429
F810N Neutral channel - 36" (0.915m)	99156	16.87 - 18.00	429 - 457
F810S Sloped channel - 108" (2.75m)	99162	18.00 - 19.13	457 - 486
F810S Sloped channel - 108" (2.75m)	99175	19.13 - 20.25	486 - 514
F812N Neutral channel - 108" (2.75m)	99192	20.25	514
F812N Neutral channel - 36" (0.915m)	99186	20.25	514

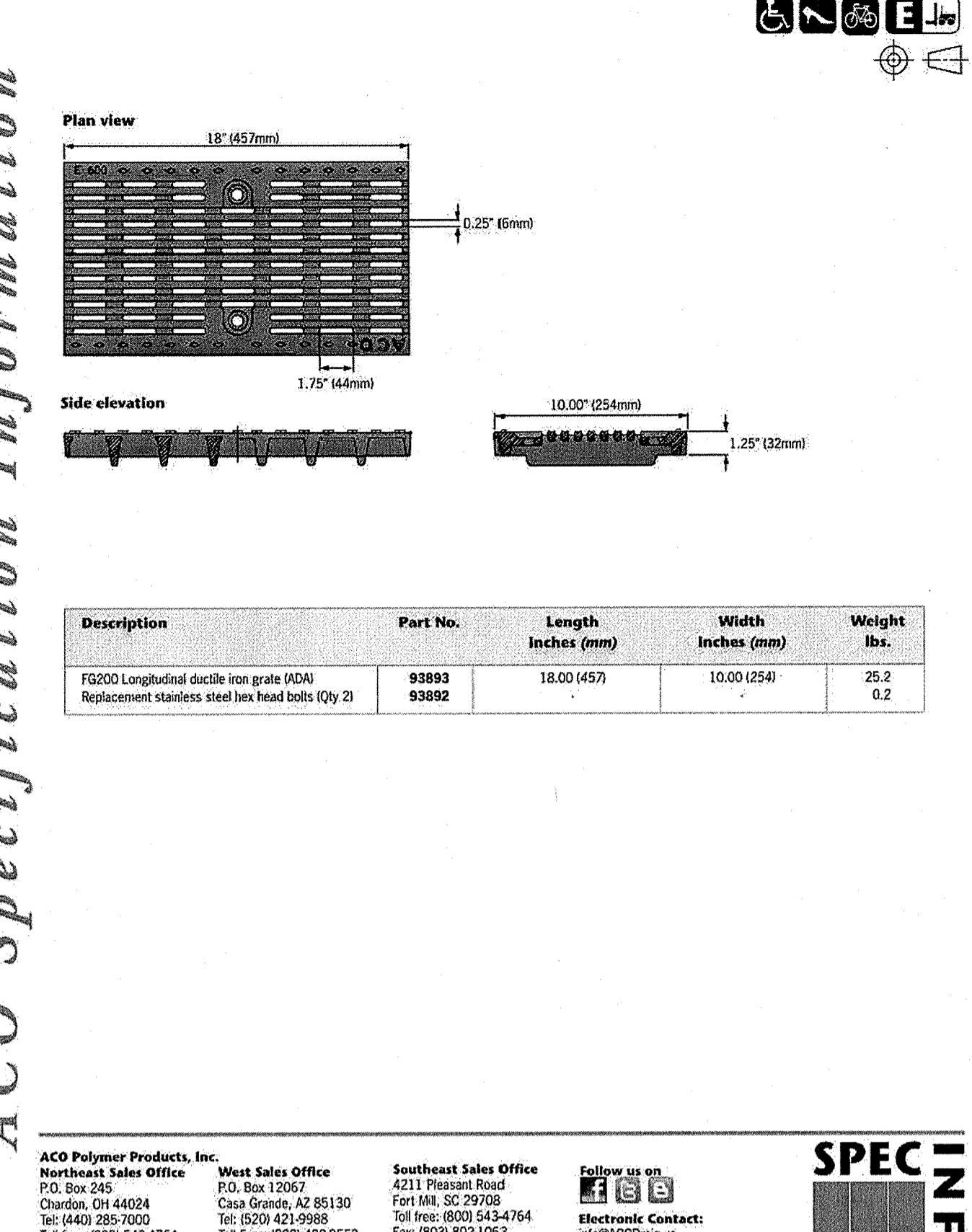
Apr 13/1 www.ACODrain.us

ACO DRAIN
FG200 Longitudinal ductile iron grate (ADA)



May 13/1 www.ACODrain.us

ACO DRAIN
FG200 Longitudinal ductile iron grate (ADA)



May 13/1 www.ACODrain.us

RECORD DRAWING:
TO THE BEST OF OUR KNOWLEDGE, GREENBERGFARROW ENGINEERING HEREBY STATES THAT THIS RECORD DRAWING SET DEPICTS AS-BUILT CONDITIONS. THIS INFORMATION PROVIDED IS BASED ON SURVEYING BY SPOONER ASSOCIATES AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

SHEET NO. C-16

DETAIL SHEET
WALMART SUPERCENTER #259
776 E. I-30 FRONTAGE RD.
ROCKWALL, TEXAS

SS
BB
DES
DRW

06-19-18
DATE

RA
PRN

REV-0

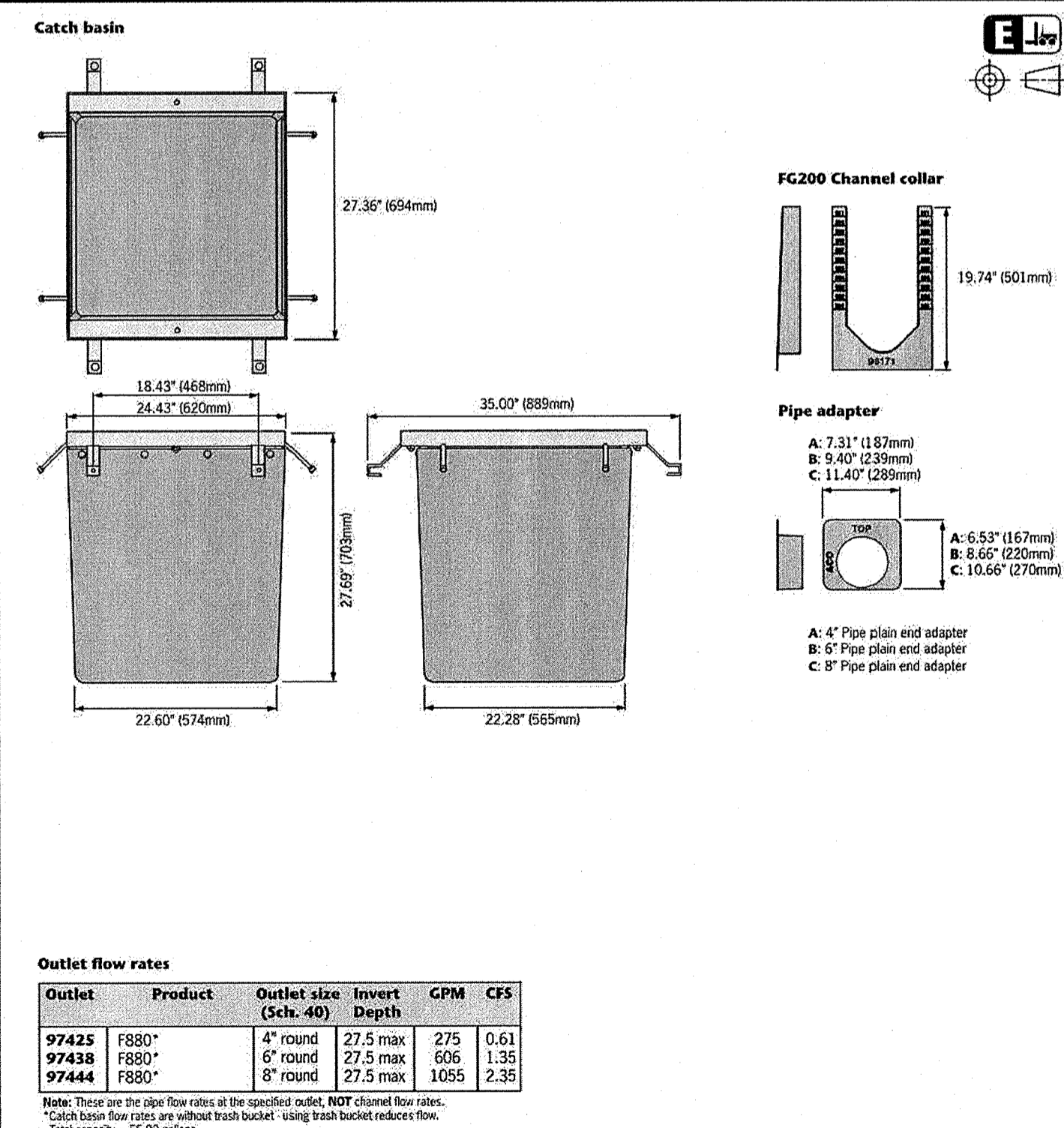
SS
DES
DRW

06-19-18
DATE

RA
PRN

REV-0

ACO DRAIN
F880 catch basin with black coated frame



Apr 13/1 www.ACODrain.us

ACO DRAIN
F880 catch basin with black coated frame

Description	Part No.	Overall Depth Inches	Weight lbs.
F880 Catch basin body*	98079	27.7	209
F880 Black coated steel frame	98021	3.13	23.2
F880 Plastic trash bucket	99059	6.75	172

Accessories:

Part No.	Description	Weight lbs.
97425	4" pipe plain end adapter	0.4
97438	6" pipe plain end adapter	0.6
97444	8" pipe plain end adapter	0.9
98171	FG200 Channel/catch basin collar	1.1

Specifications

General
The catch basin shall be ACO Drain F880 catch basin complete with black coated frame and bolted gratings as manufactured by ACO Polymer Products, Inc. or equal approved.

Materials
The unit bodies shall be manufactured from fiberglass, with minimum properties as follows:
Compressive strength: 24,400 psi
Flexural strength: 9,943 psi
Water absorption: 0.33%
Frost proof
Salt proof
Dilute acid and alkali resistant.

Notes:
1. Invert and overall depths are for the channel body & frame assembled.
2. If you are trap required, please contact ACO.
3. For invert depth subtract 0.125" (3mm).
4. F880 catch basin fits FG200 trench system.

The normal clear opening shall be 23.17" (588mm) wide by 23.55" (598mm) long. Overall width of 27.36" (694mm) wide by 24.43" (620mm) long.

Units shall be manufactured with a wall thickness of at least 0.125" (3mm).

The fiberglass catch basin body shall be fixed to the frame using push fit nylon studs.

Frames shall be manufactured from black coated steel and shall incorporate anchoring features to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. Frames shall incorporate installation brackets to ensure correct and easy installation. Frames shall be at least 3/16" (5mm) thick.

Grates
Grates should be specified. See separate ACO Spec Info grate sheets for details.

Installation
The catch basin shall be installed in accordance with the manufacturer's installation instructions and recommendations.

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