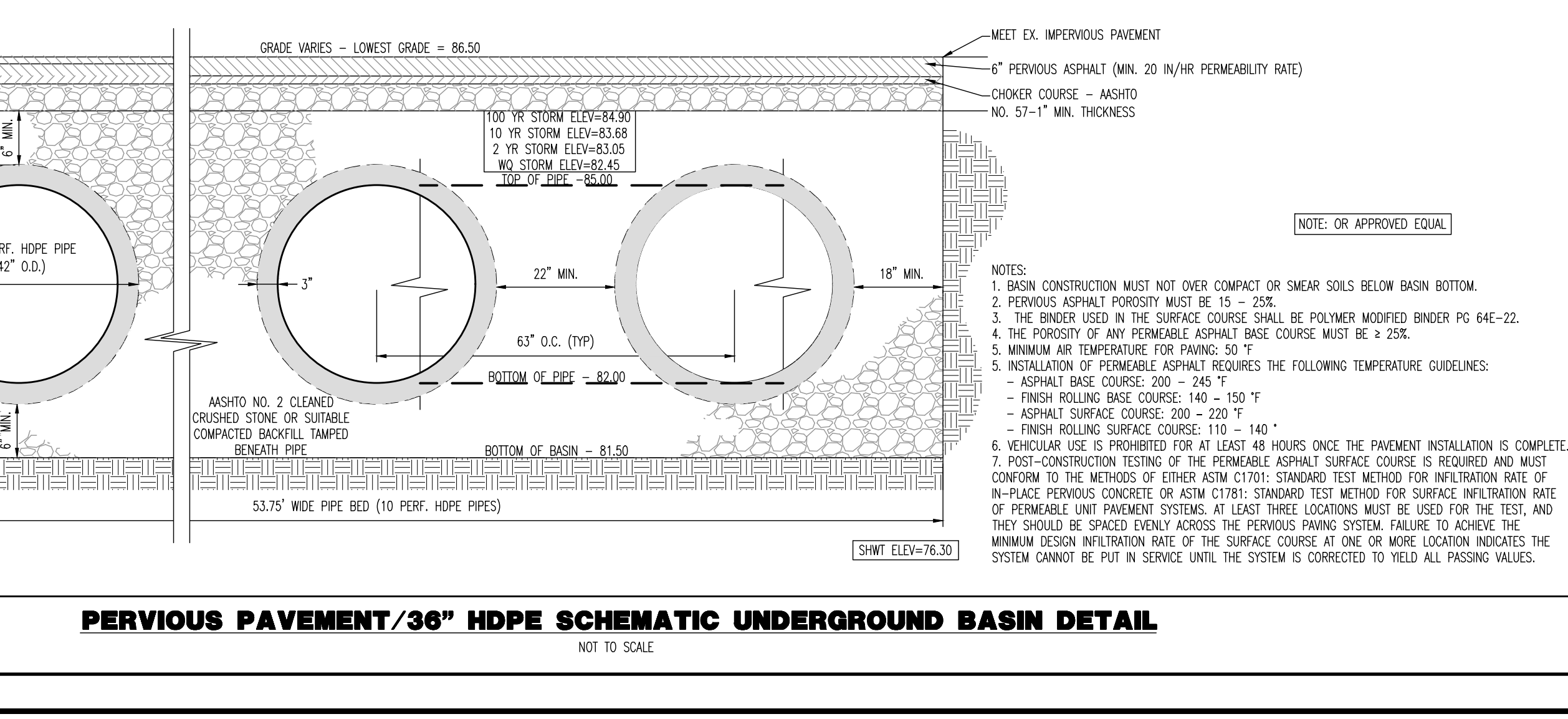
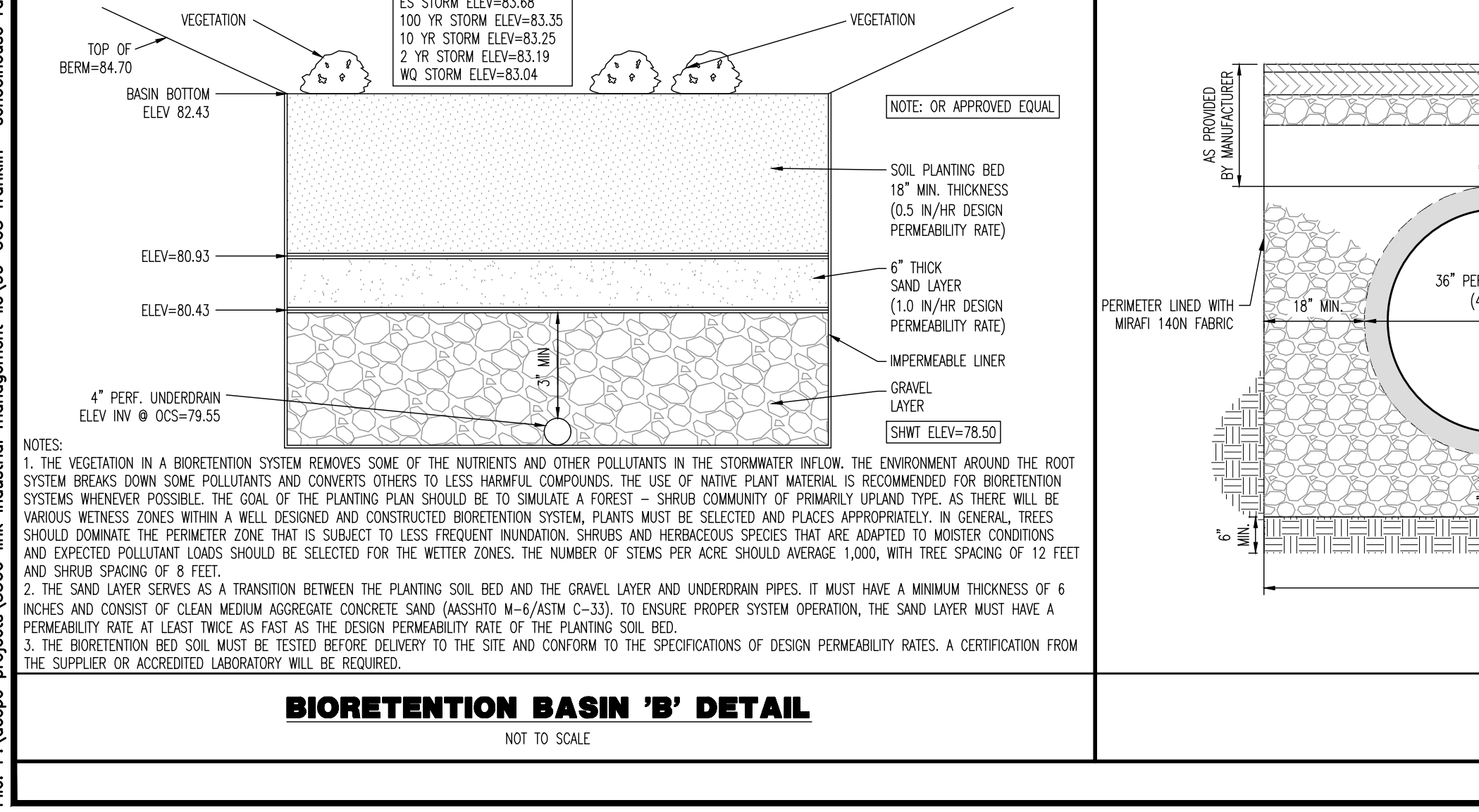
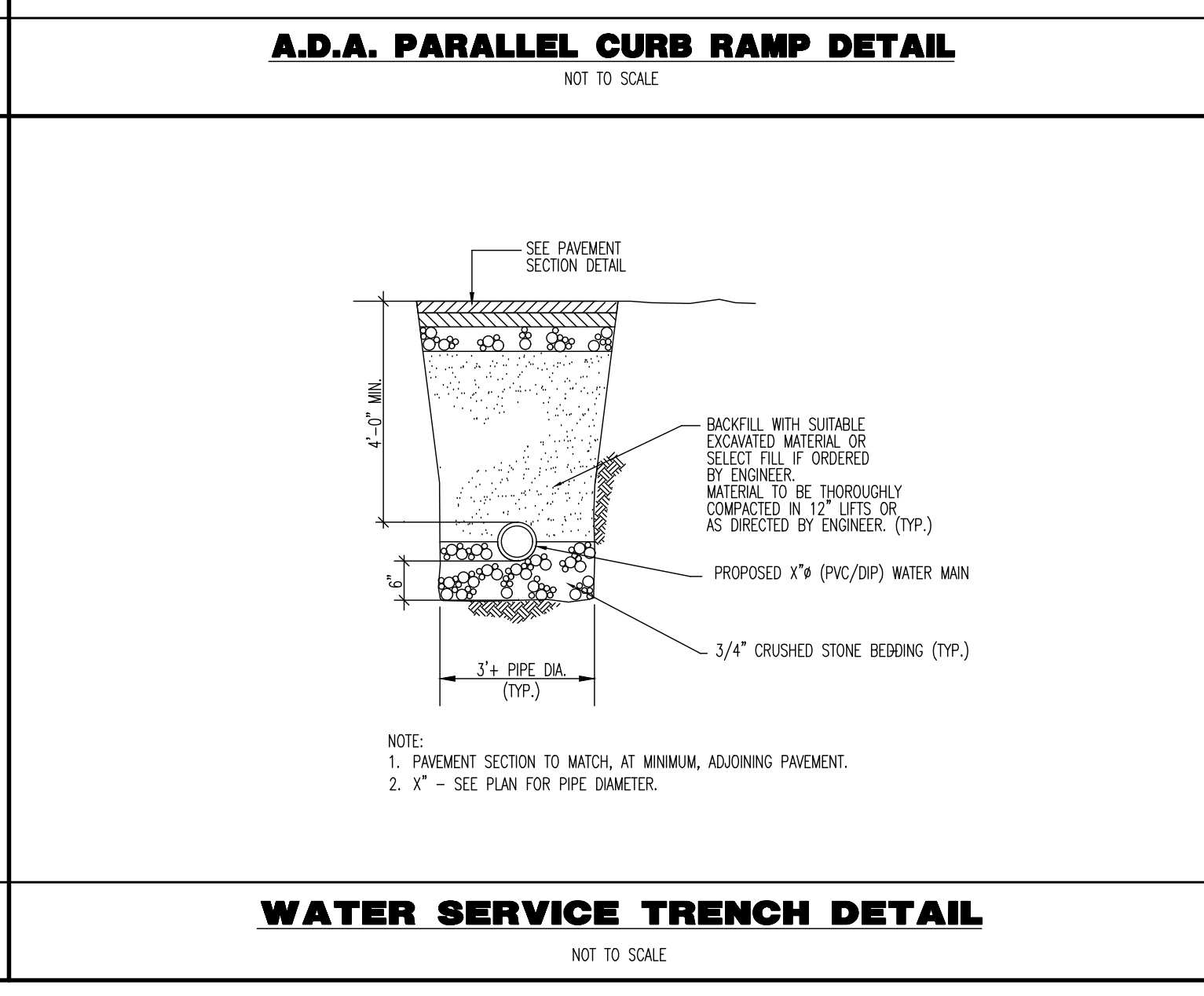
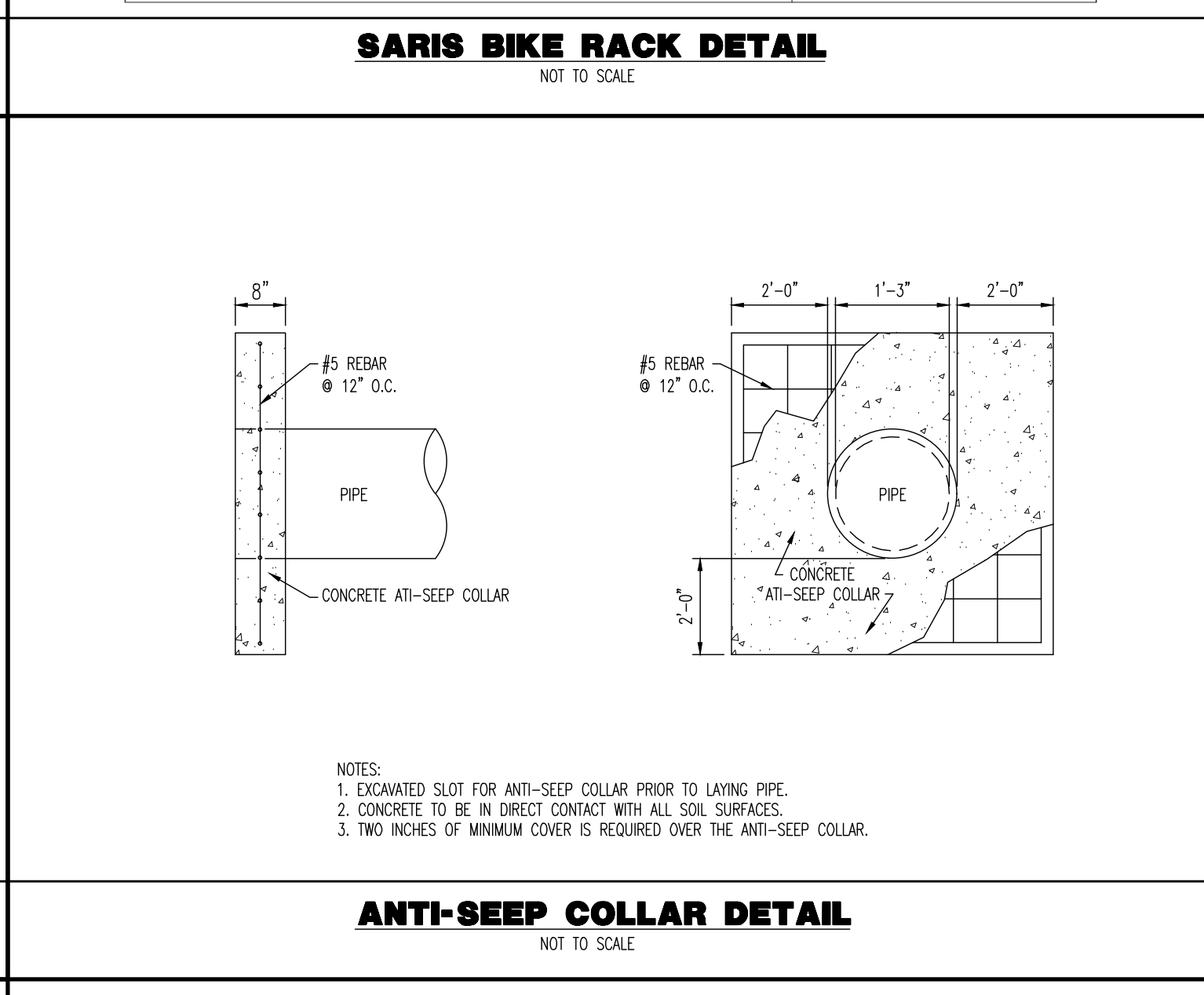
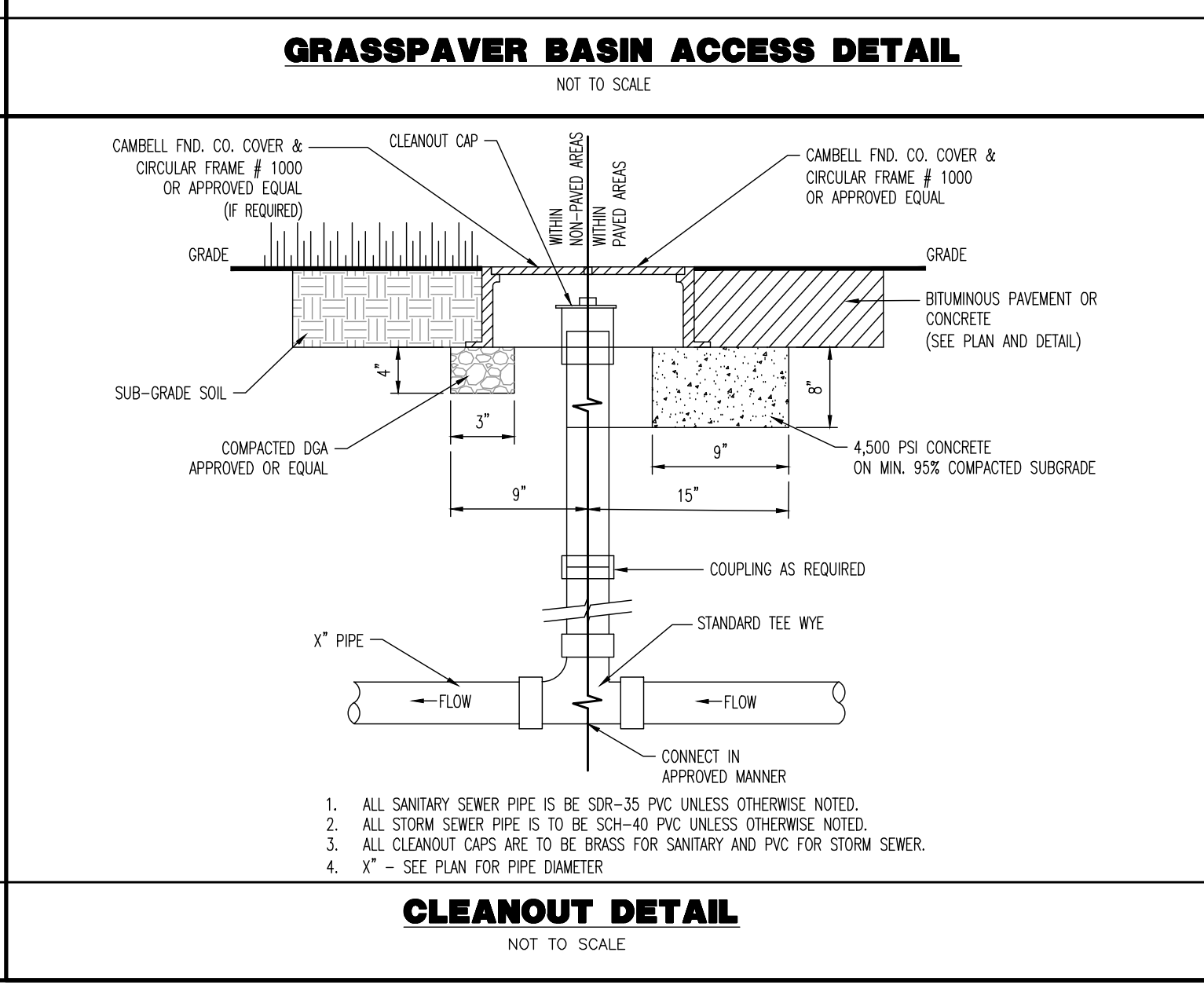
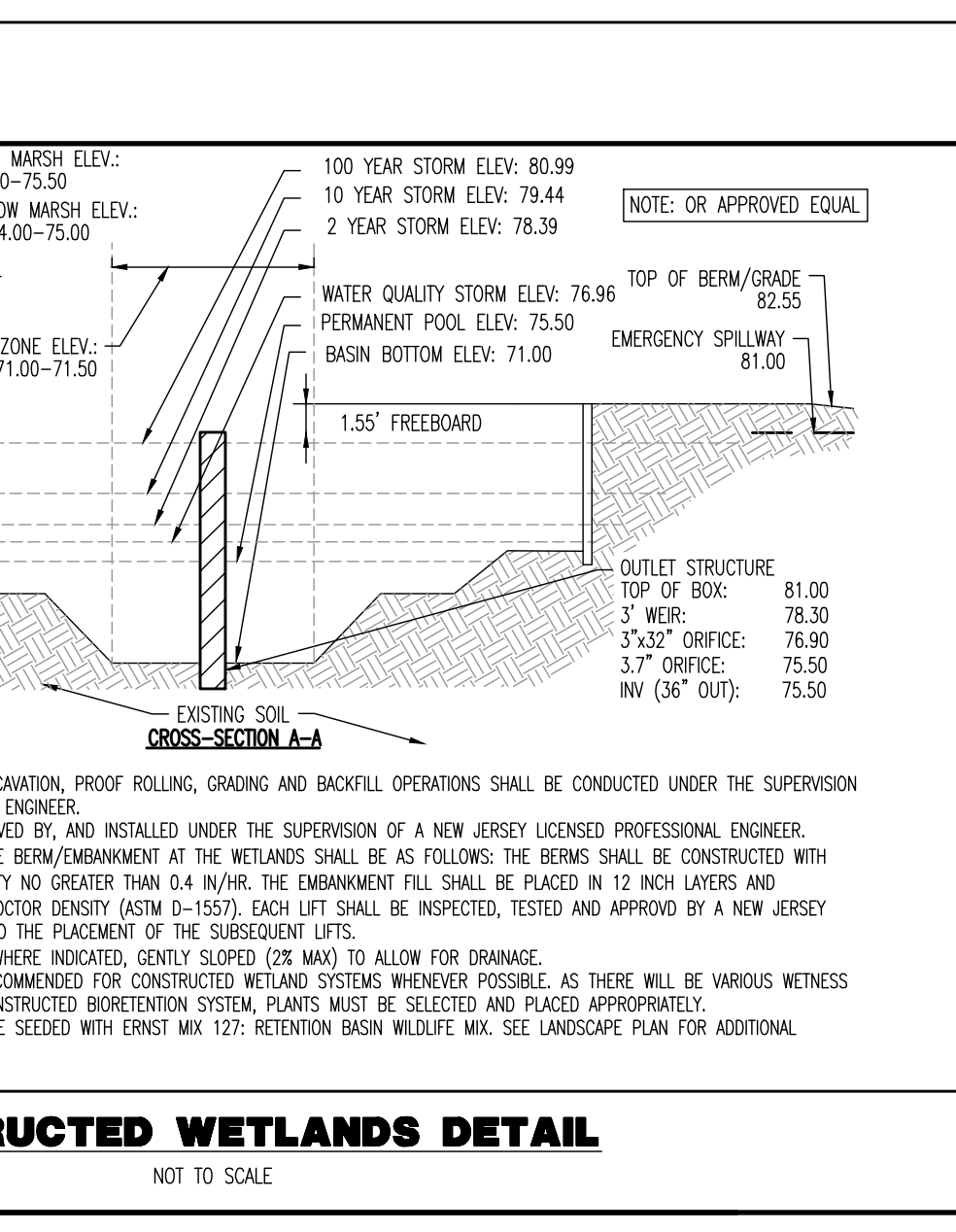
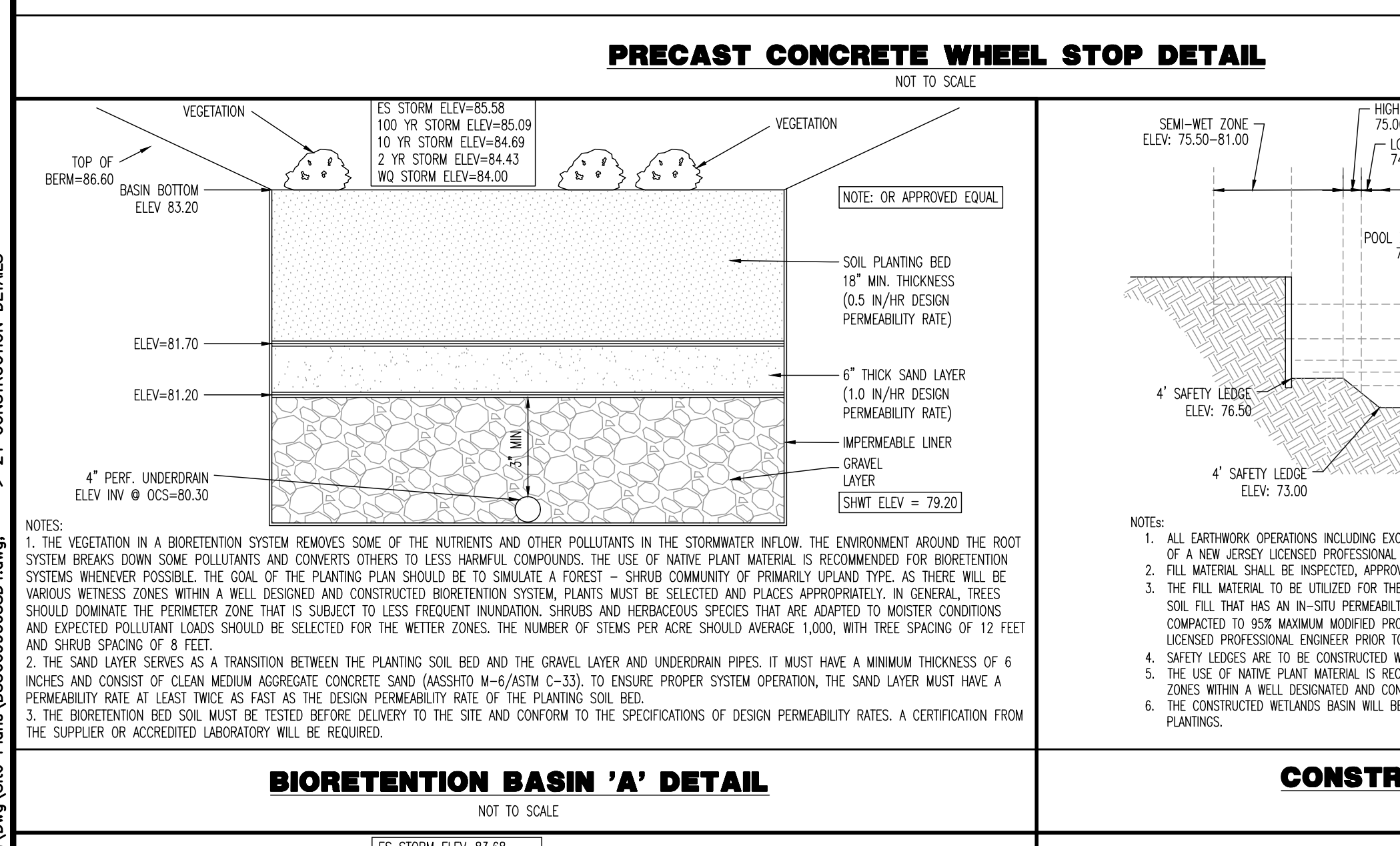
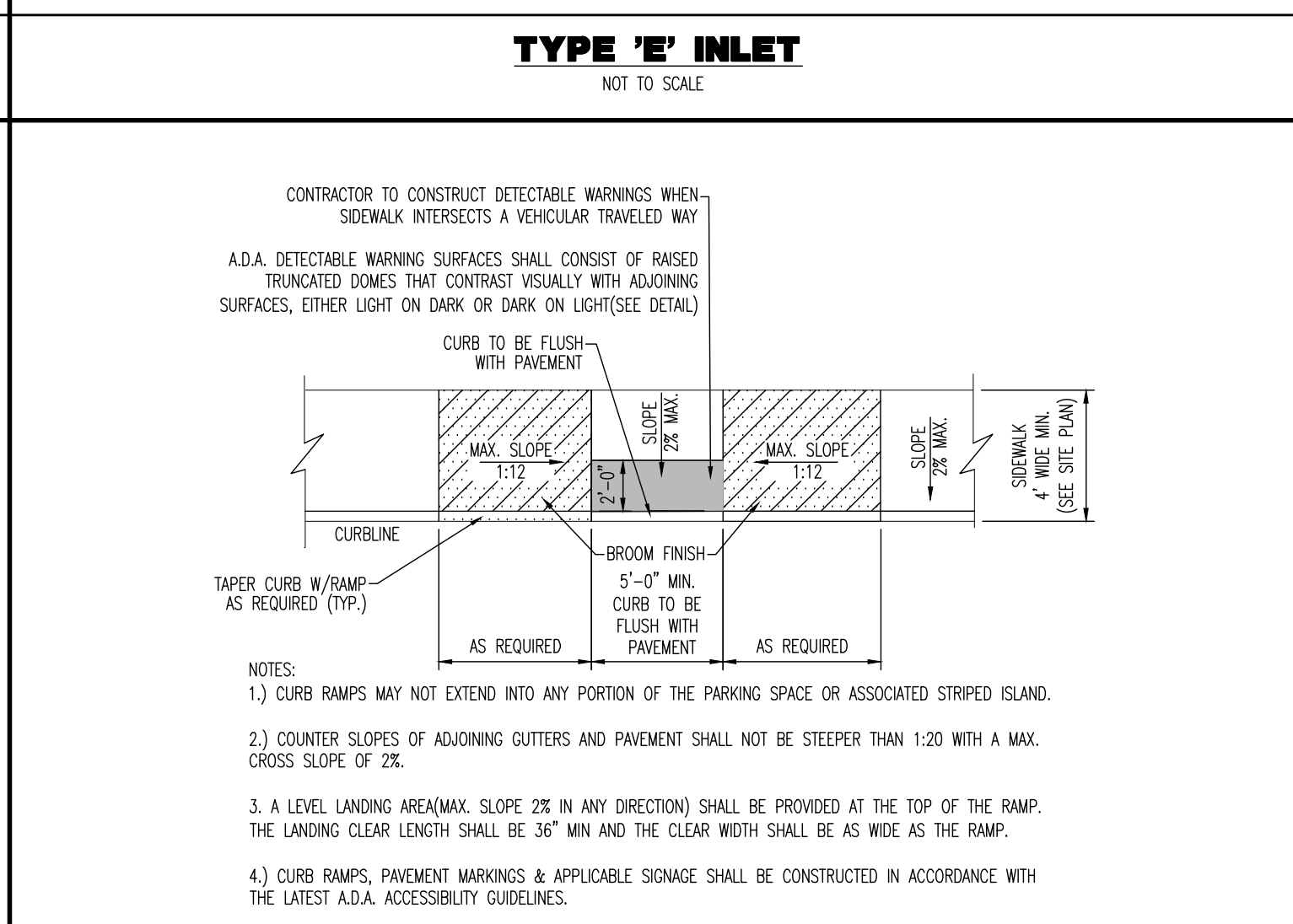
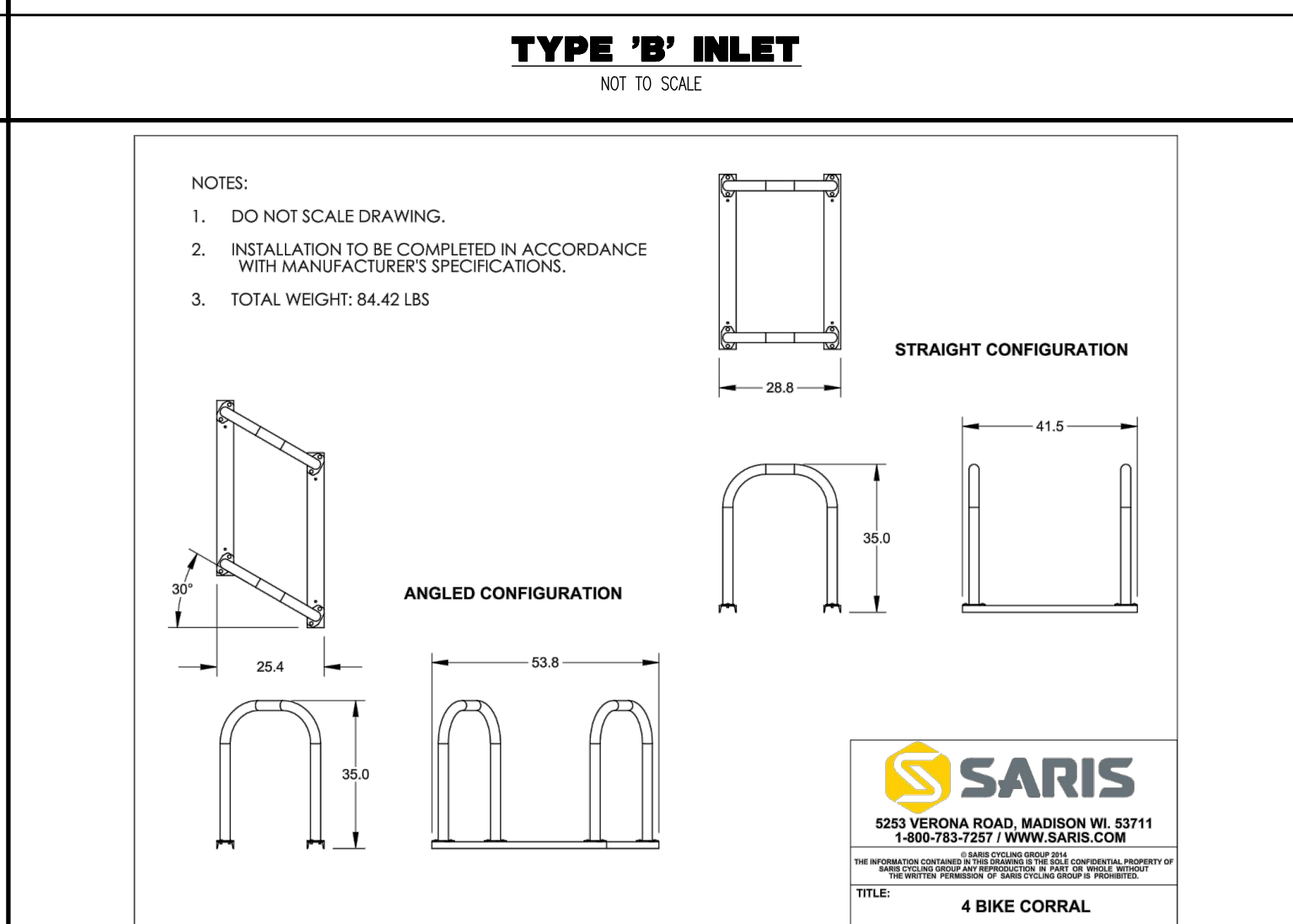
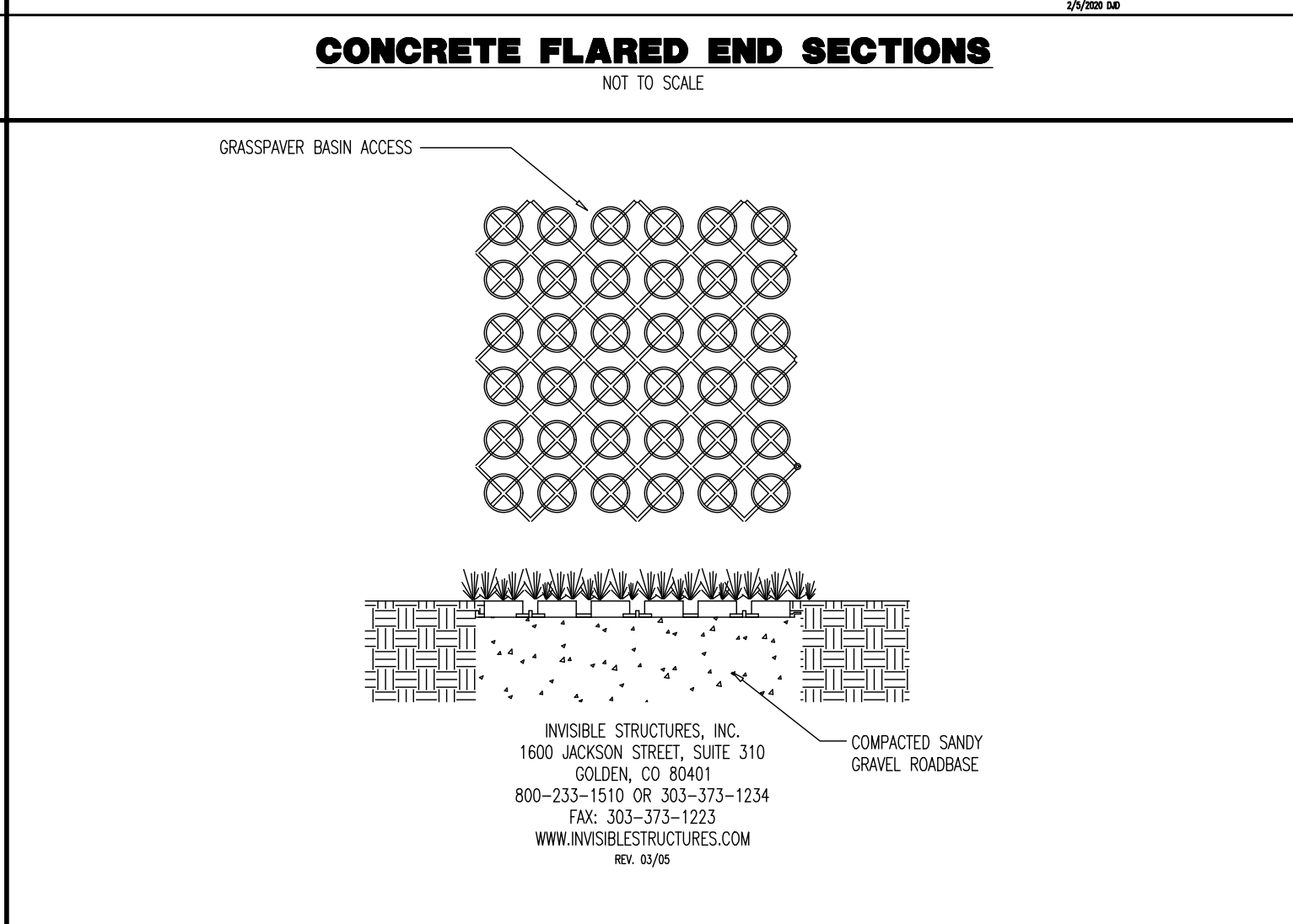
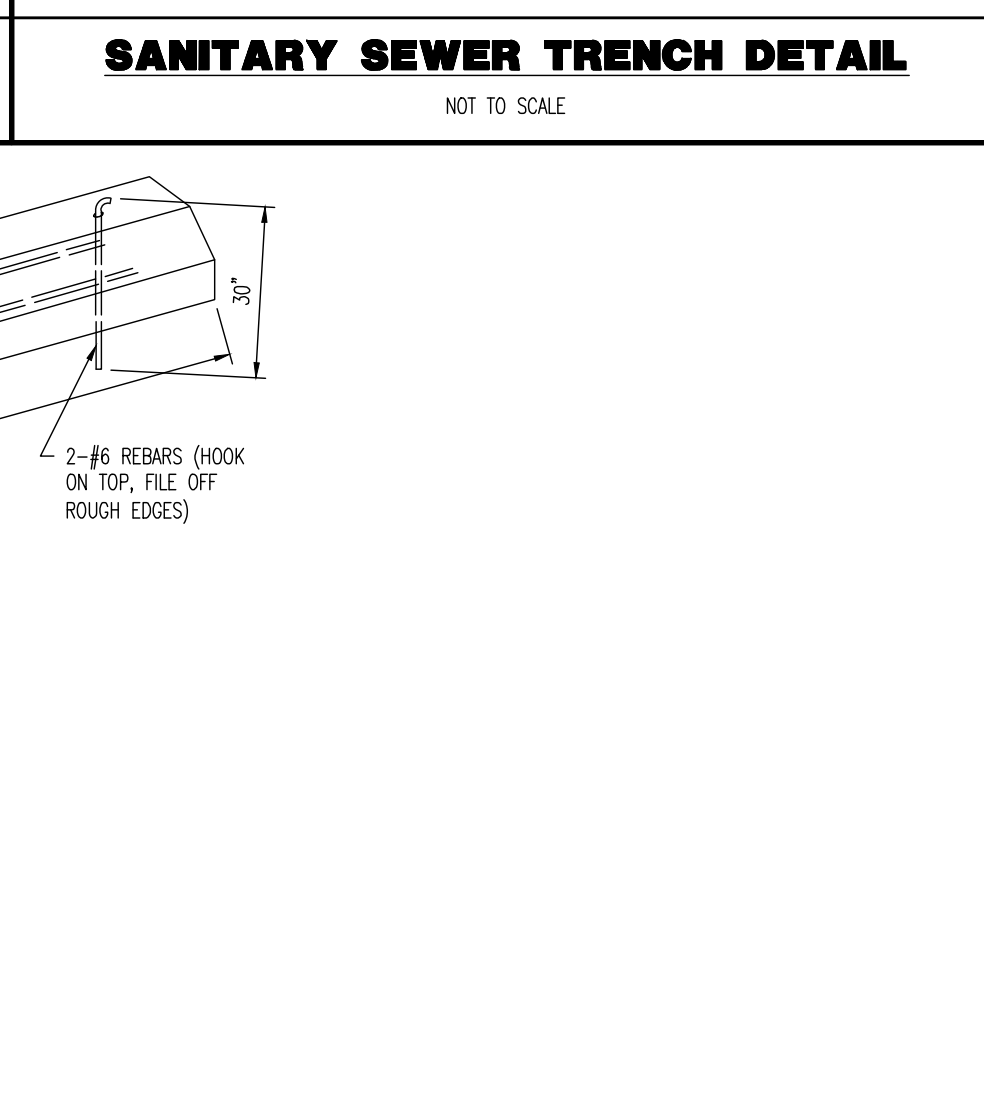
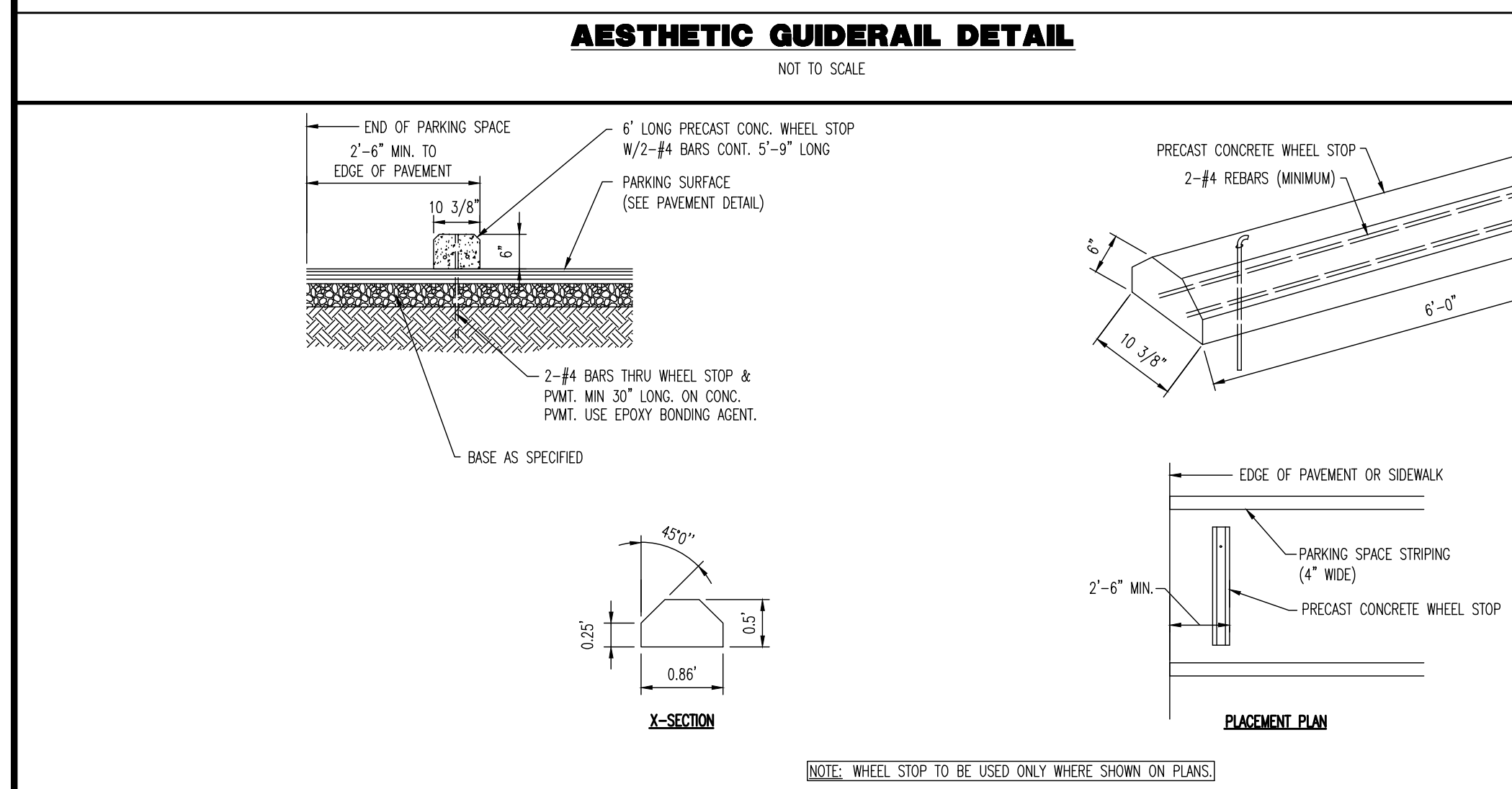
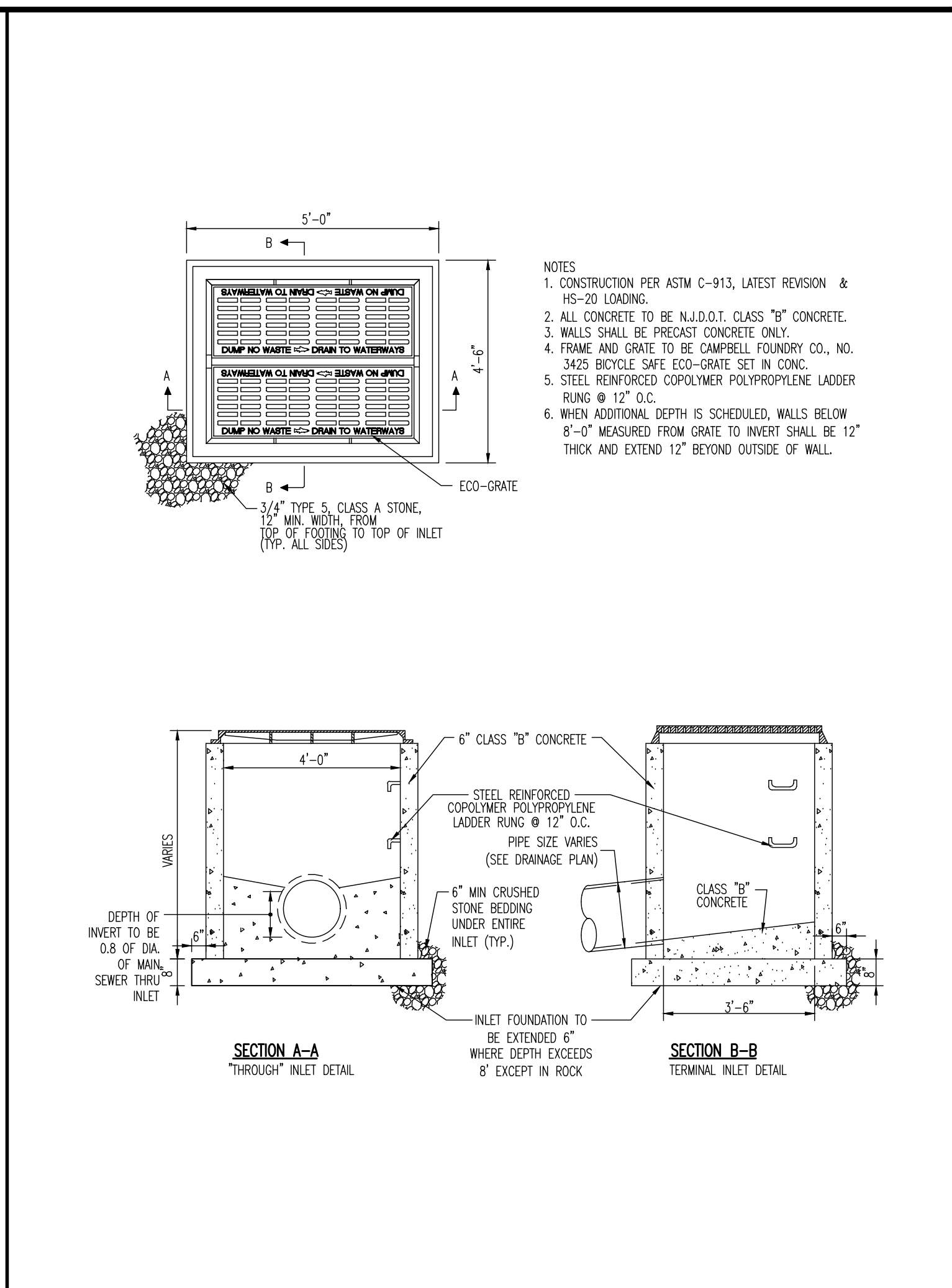
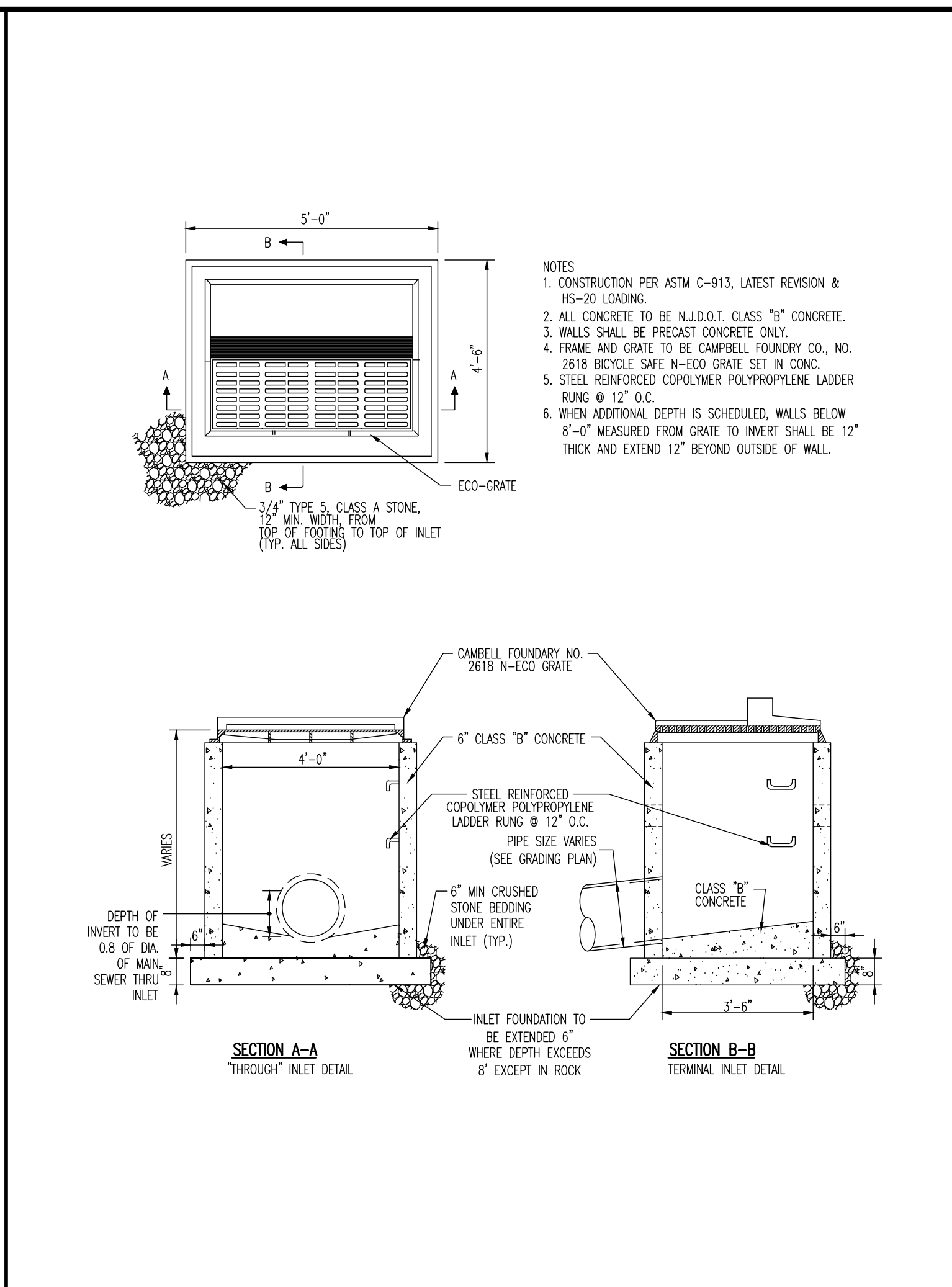


CONCRETE FLARED END SECTIONS

NOT TO SCALE

INSIDE DIA. IN.	A IN.	B IN.	C IN.	D IN.	E IN.	LAD LENGTH FT.	WEIGHT LBS.	WALL THICKNESS IN.
12	49	24	24	4	13	6.00	530	2
15	46	27	30	6	16	6.08	740	2 1/4
18	46	27	36	9	19	6.08	990	2 1/2
21	38	35	42	9	22	6.08	1260	2 3/4
24	30	44	48	9 1/2	26	6.17	1620	3
27	26	48	54	10 1/2	28	6.17	1920	3 1/4
30	20	54	60	12	31	6.17	2190	3 1/2
36	35	63	72	15	37	6.17	4100	4
42	35	63	72	21	43	6.17	5380	4 1/2
48	26	72	84	24	49	6.17	6550	5
54	35	65	90	27	55	6.33	8040	5 1/2
60	39	60	96	30	61	6.25	8750	6



CONSTRUCTION DETAILS

DYNAMIC ENGINEERING

LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

PROJECT: **B9 SCHOOLHOUSE OWNER LLC PROPOSED WAREHOUSES**

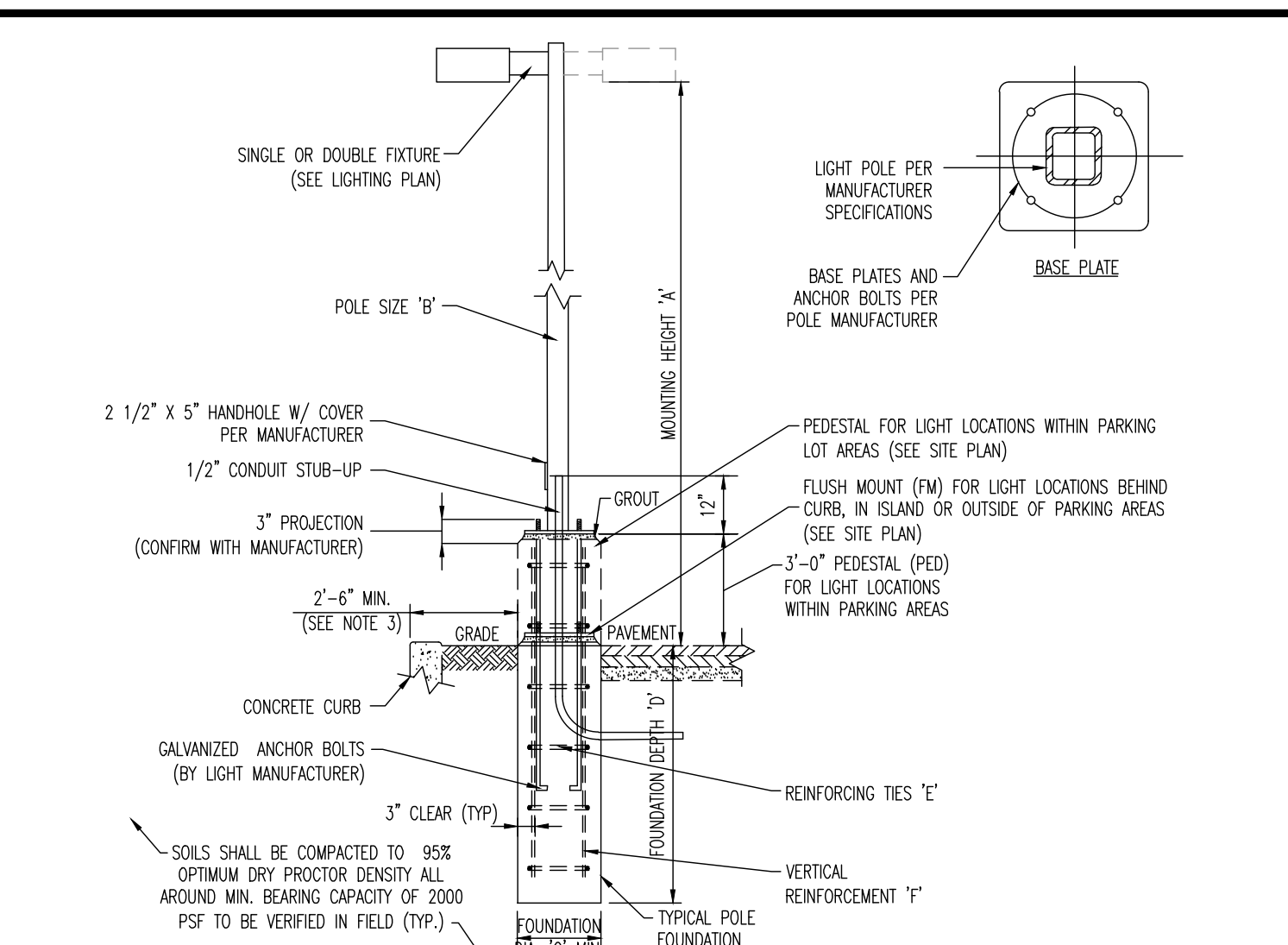
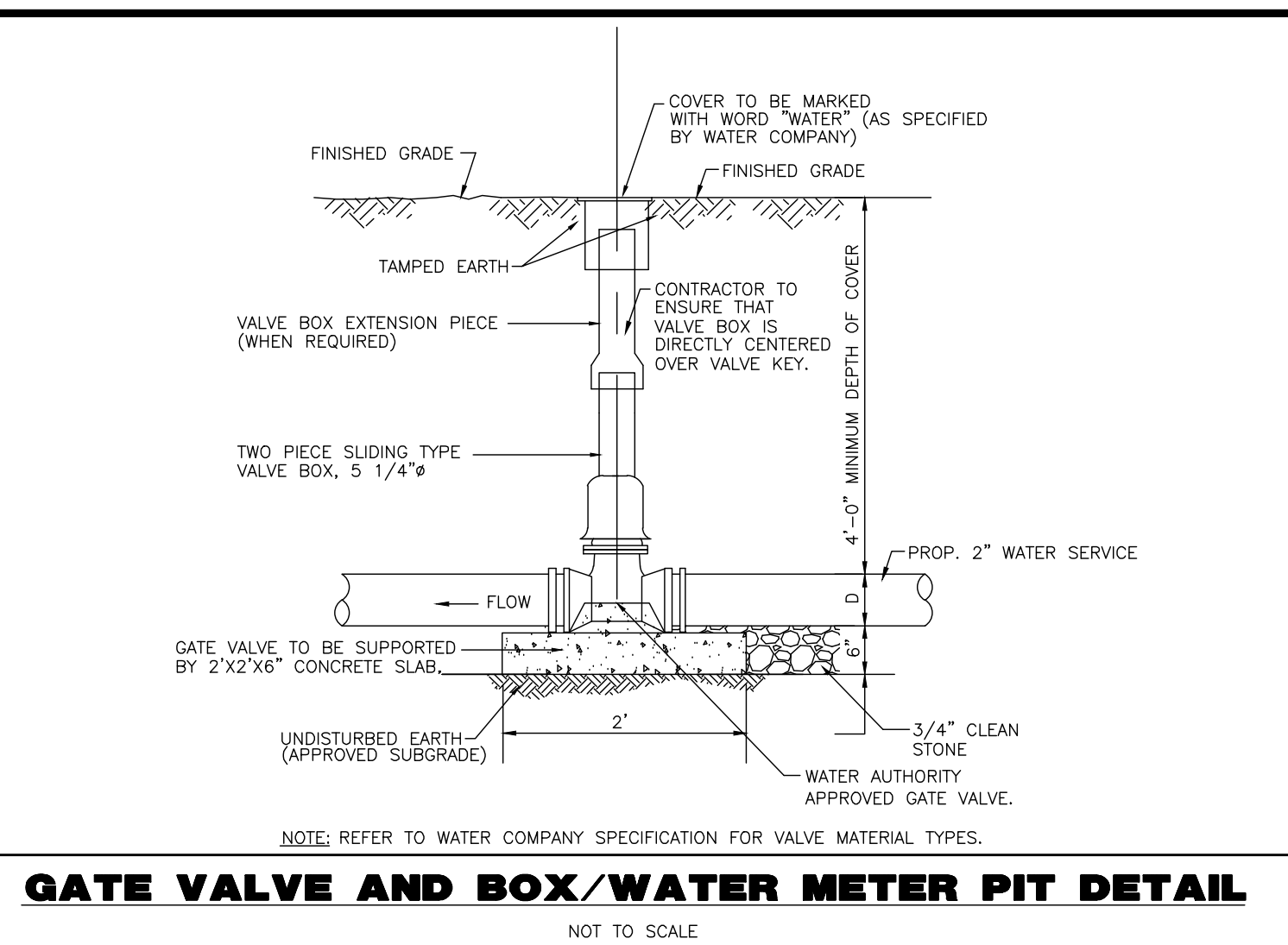
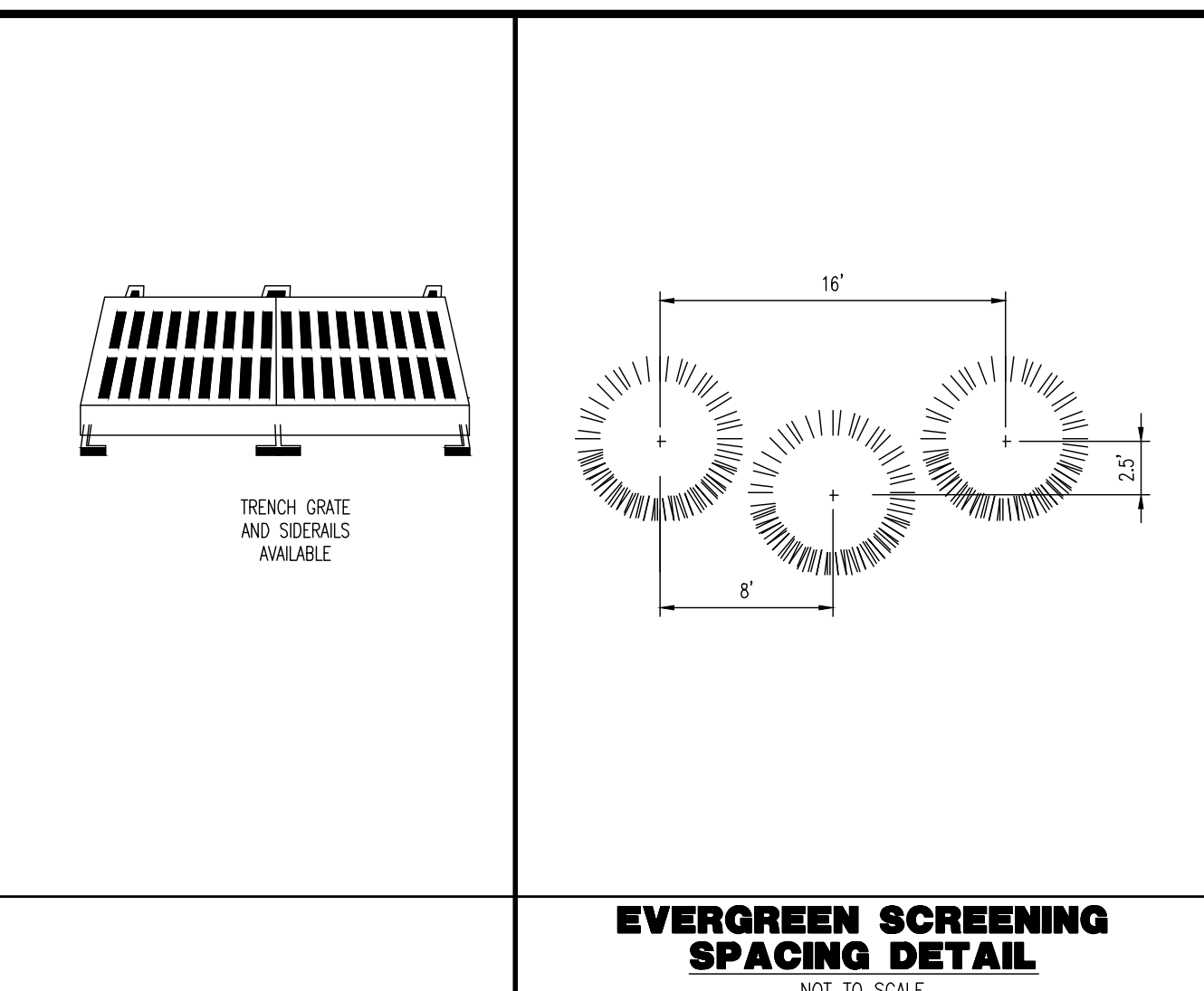
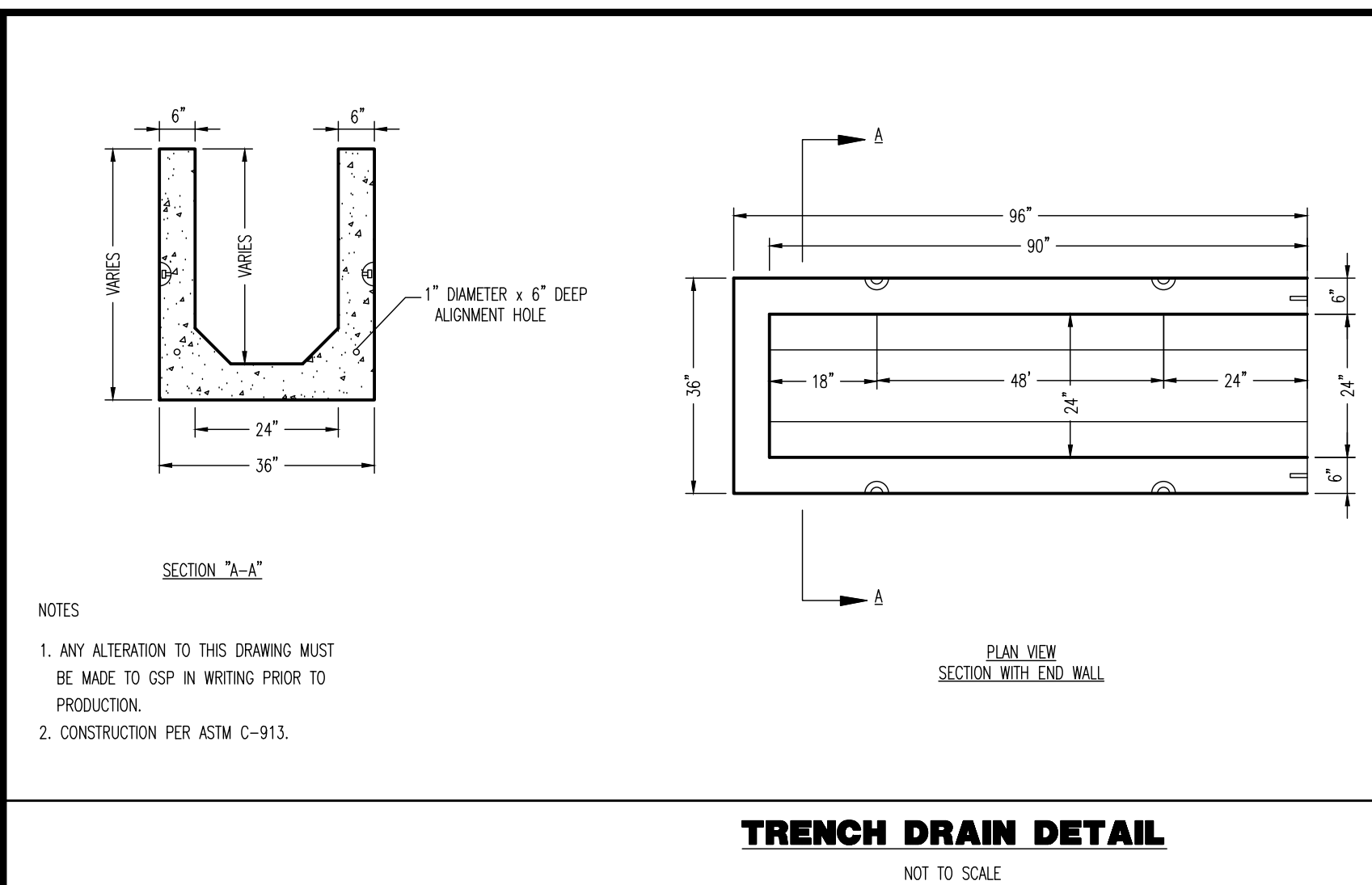
DATE: 04/01/2022

DRAWN BY: KJH

CHECKED BY: JMS

DESIGNED BY: KCK

SCALE: (H/S) 1/8\"/>

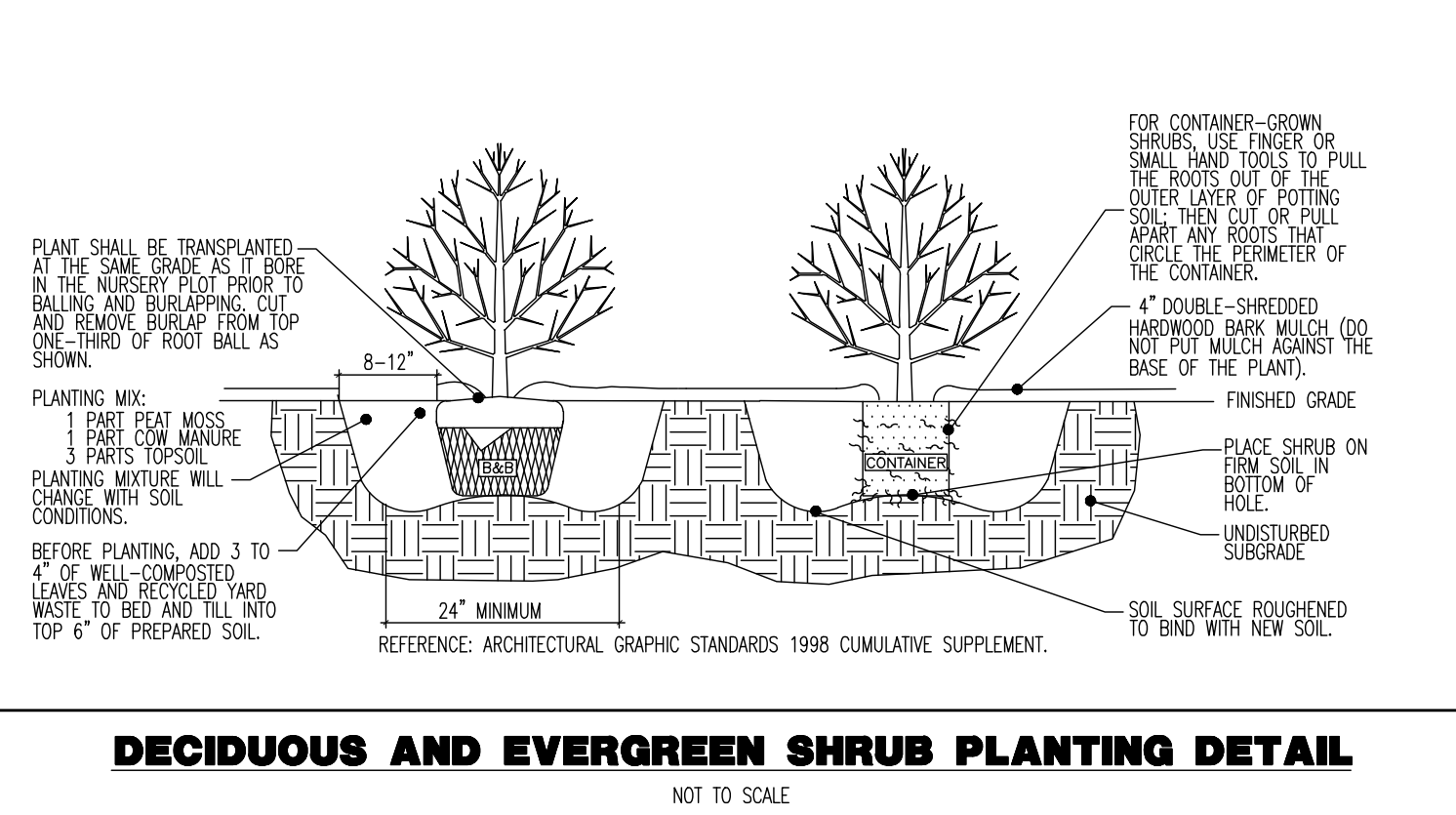
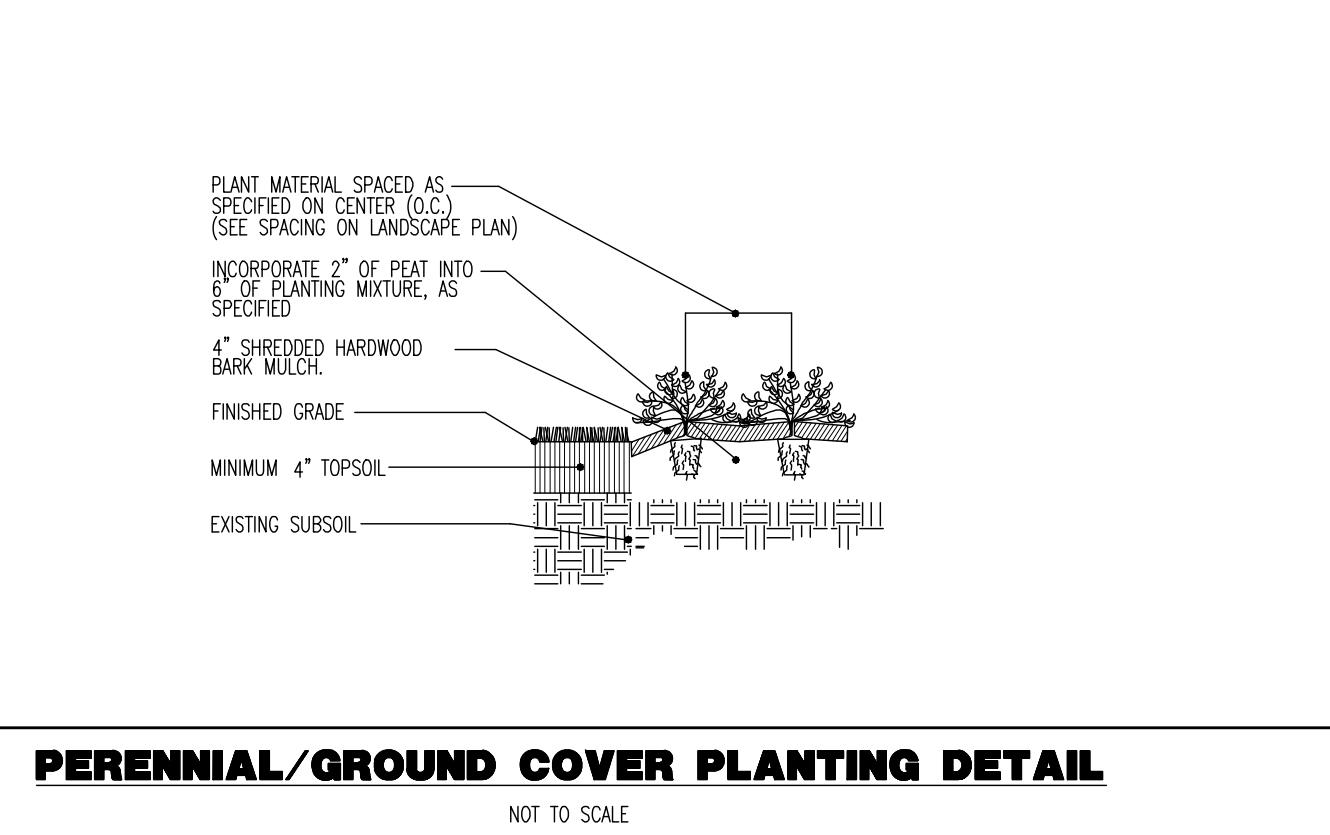
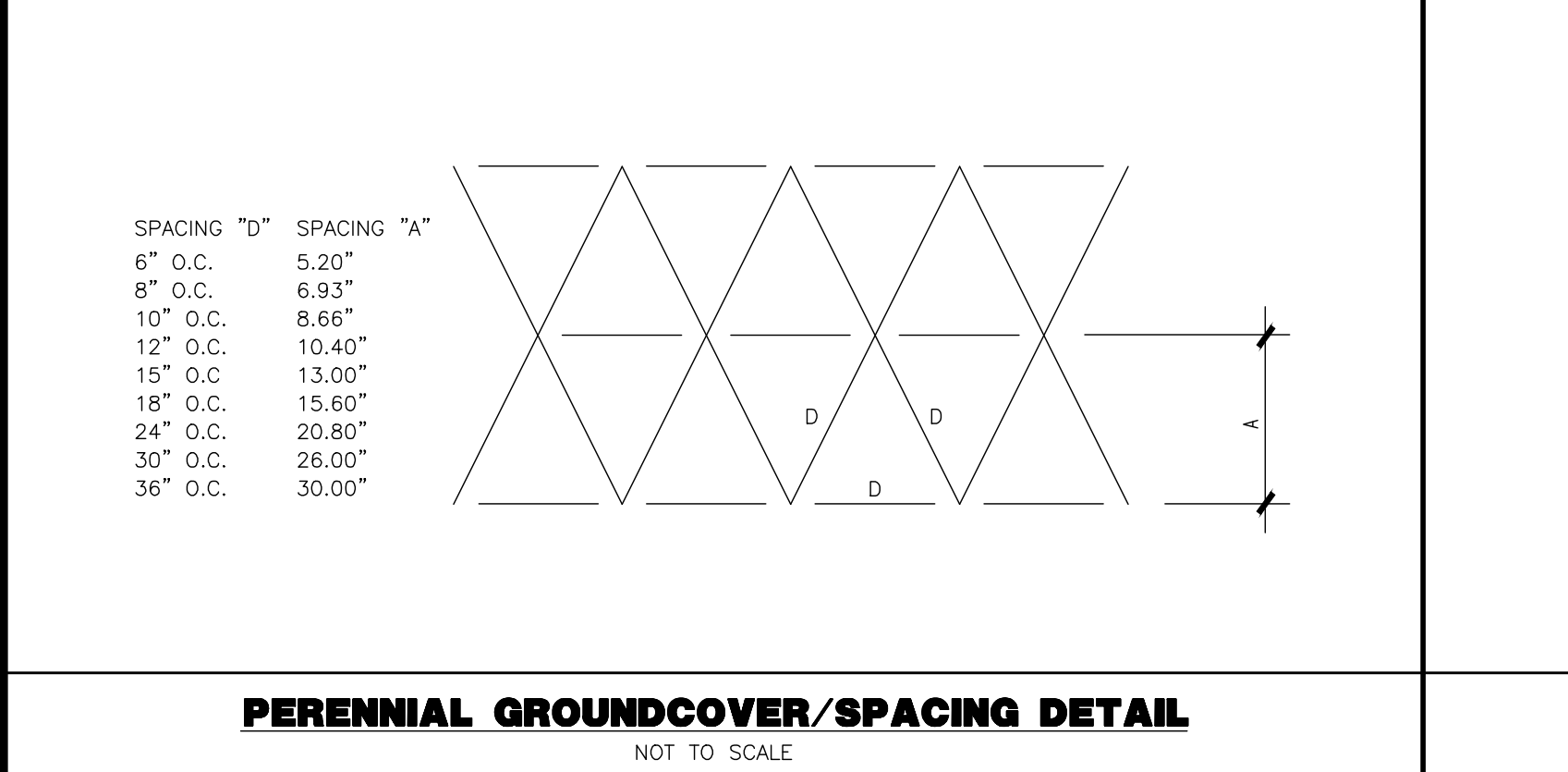


KAD LED LED Area Luminaire

Specifications:
 Efficacy: 120 lm/w
 Length: 17.12" (434 mm)
 Width: 17.12" (434 mm)
 Height: 7.18" (182 mm)
 Weight (max): 36 lbs (16.3 kg)

Ordering Information: EXAMPLE: KAD LED 40C 1000 40K RS MVOLT SPD04 DBXD0

Code	Length	Width	Height	Weight	Color	Mounting	Notes
40C	1000	40K	RS	MVOLT	SPD04	DBXD0	



SOIL NOTES:

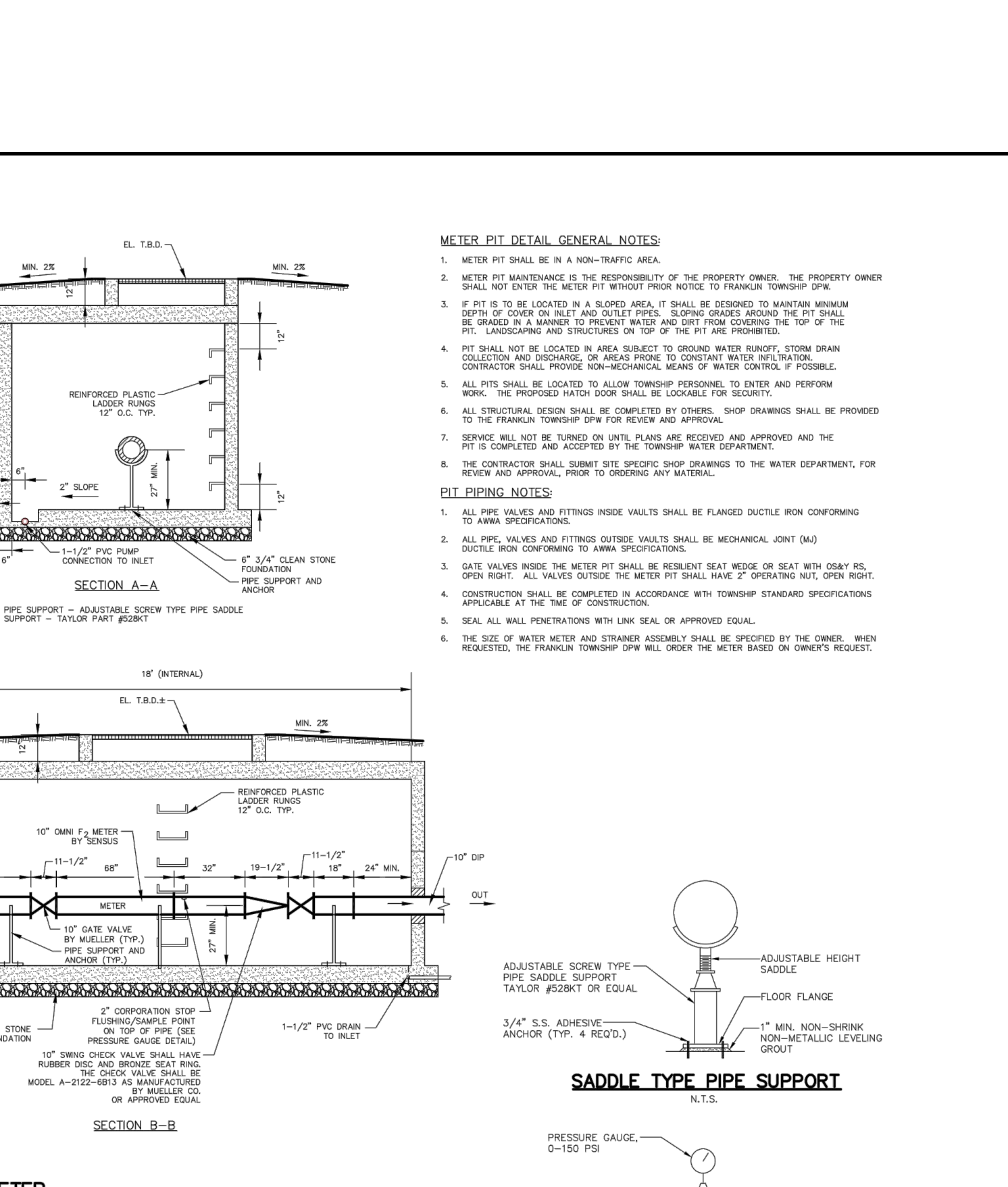
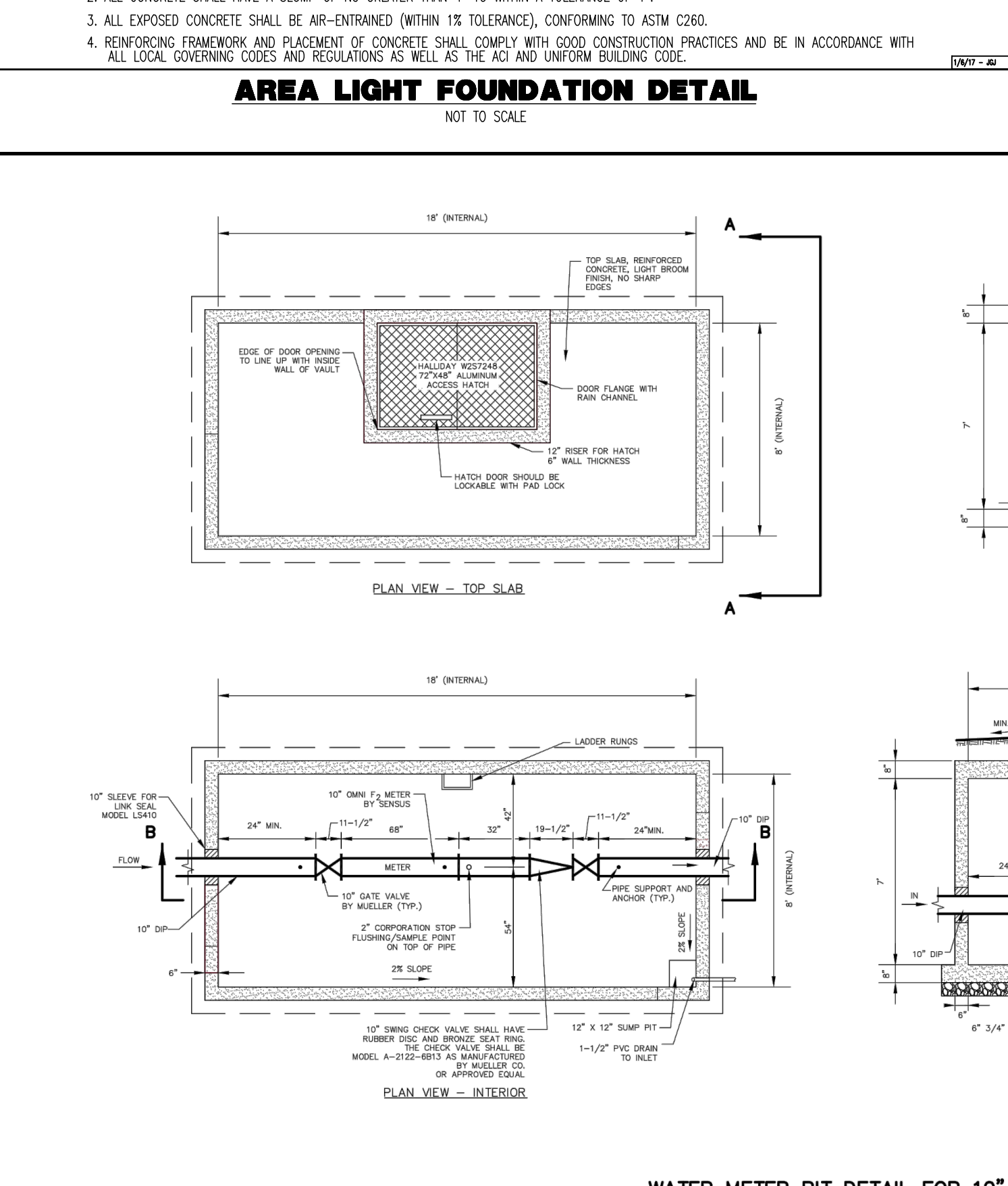
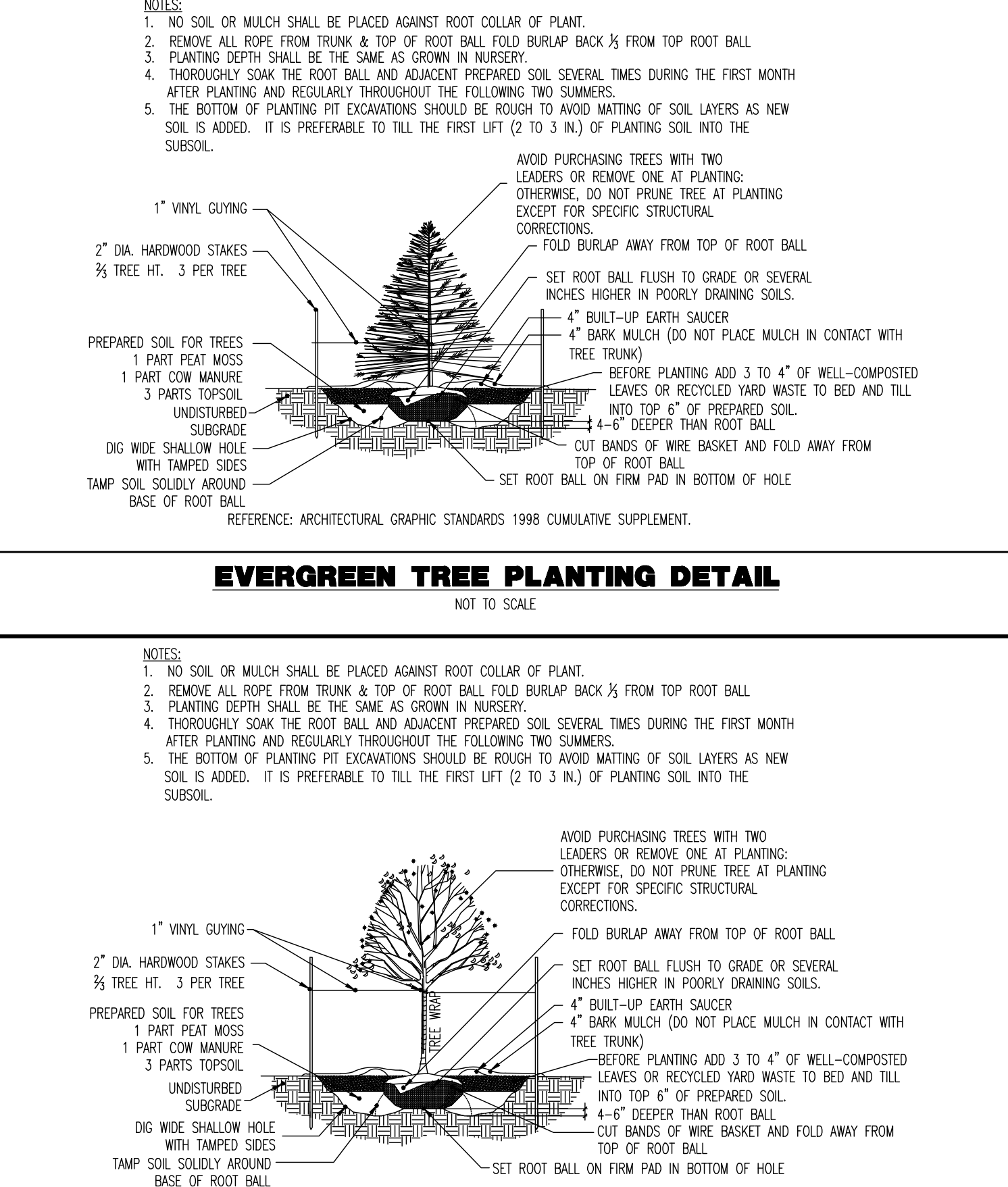
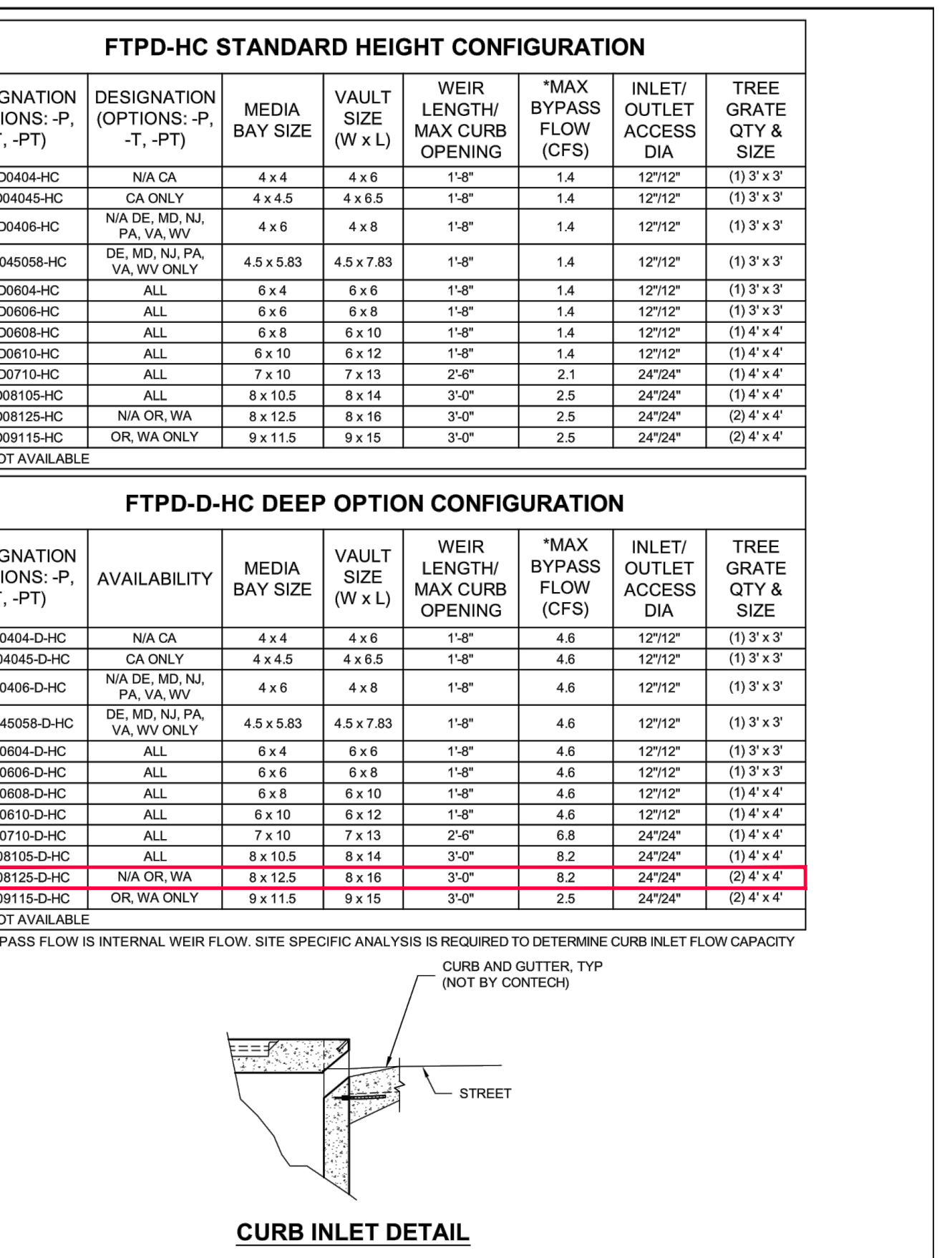
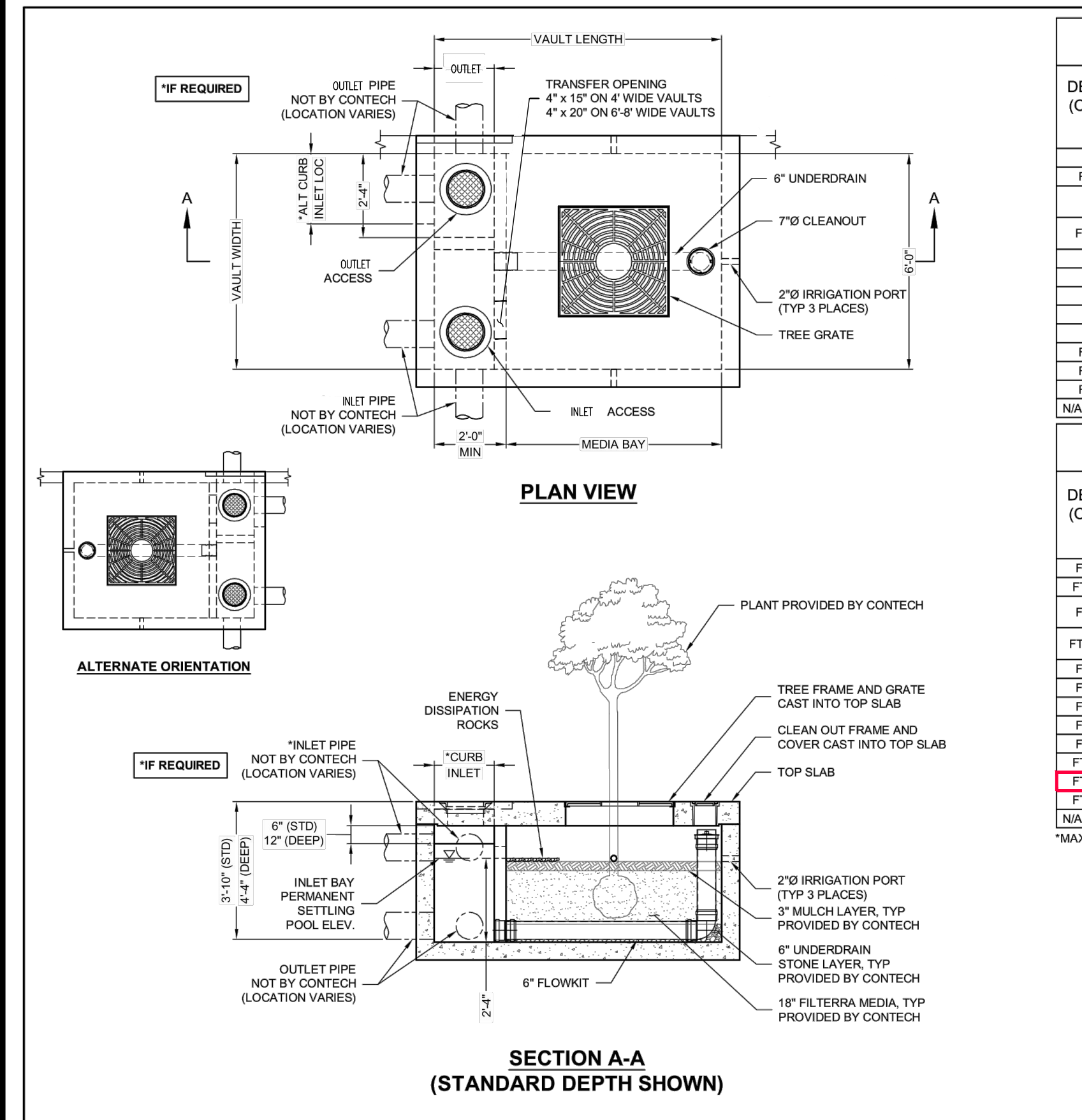
- FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF CONDITIONS EXIST.
- SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
- ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHSTAND A TOLERANCE OF 1".
- ALL EXPOSED CONCRETE SHALL BE AIR-ENHANCED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- REINFORCING FRAMING AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE AIA AND UNIFORM BUILDING CODE.

Capable Luminaire

This item is an A+ Capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

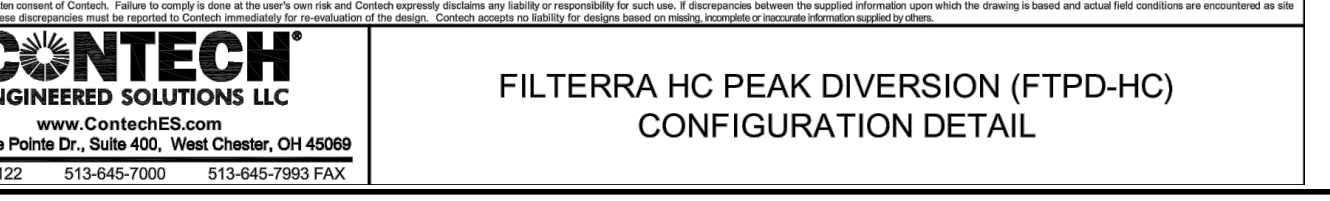
Ordering Information: EXAMPLE: KAD LED 40C 1000 40K RS MVOLT SPD04 DBXD0

Code	Length	Width	Height	Weight	Color	Mounting	Notes
40C	1000	40K	RS	MVOLT	SPD04	DBXD0	



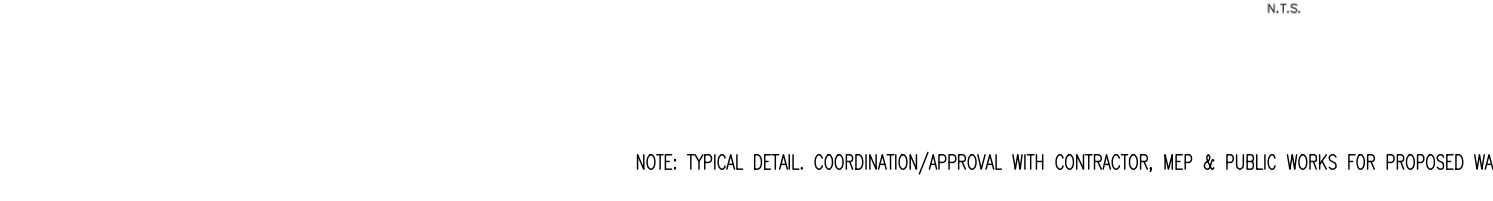
CONTECH ENGINEERED SOLUTIONS LLC

803 Centre Pointe Dr., Suite 600, West Chester, OH 45388
 603-538-1122 513-645-7000 513-645-7003 FAX



chargepoint

ChargePoint CT4000 Family



CT4000 Family

ChargePoint® Charging Stations

The CT4000 is the latest generation of ChargePoint charging stations. Refined yet rugged, the CT4000 family sets the industry standard for flexibility and reliability. A robust cast metal housing comes standard on all CT4000 models to eliminate vandalism on the ground, and to keep your drivers from theft to South charging cables.

The CT4000 full motion case LCD display instructs drivers with supporting dynamic graphics of custom branded videos and advertisements.

The intelligent power sharing function of the CT4000 doubles the number of parking spaces served by allowing two charging ports to share a single circuit. Sites with single port EV stations can upgrade to dual port stations without requiring additional electrical services.

All CT4000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking handles, each port supporting up to 20kW.

Available in bolted and wall mount configurations, the CT4000 supports easy installation anywhere. To share your near-term investment, all stations are fully software upgradeable over the air. All ChargePoint stations are delivered and managed through ChargePoint Service Plan and backed by ChargePoint's world class 24/7 driver support.

Connects Branded and Video Advertising

- Customizable full motion case videos to your station
- Custom responsive signage to project your brand
- Custom "top" graphics available

Clear Coat Technology™

- Maintenance free, light-weight, self-protecting coats come standard on all CT4000 models
- Keeps charging ports off the ground and out of your driver's hand
- Flexible over entire -22°F to +122°F temperature range

Intelligent Power Sharing (patent pending)

- Reduced installation and operating costs
- Dynamically share one 40A circuit between two parking spaces
- Double the number of parking spaces for a given site's power capacity
- Upgrade a single port station to dual port with no electrical upgrade

ChargePoint Plus is the only EV charging service that provides a full suite of services to help you maximize your investment.

ChargePoint

CT4000 Family Specifications

Electrical Input:

AC Input Type Rating - Standard	Single Port	Dual Port
AC Power Input Rating - Power Sharing	N/A	208/240 VAC, 60Hz single phase @ 30A
Input Power Connection - Standard	One 40A break circuit	Two independent 40A branch circuits
Input Power Connection - Power Sharing	N/A	One 40A branch circuit
Required Service Panel Breaker - Standard	40A dual pole (over-CIPF) break	40A dual pole (over-CIPF) break x 2
Required Service Panel Breaker - Power Sharing	N/A	40A dual pole (over-CIPF) break
Service Panel GFCI	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)
Service Panel Grounding	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)
Service Panel Voltage	120V (over-CIPF), 208V (over-CIPF)	120V (over-CIPF), 208V (over-CIPF)
Service Panel Wiring	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)
Service Panel Size	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)

Electrical Output:

AC Power Sharing	120V (240W @ 16A)	120V (240W @ 16A) x 2
AC Power Sharing	N/A	120V (240W @ 16A) x 2 OR 120V (240W @ 16A) x 2

Functional Interfaces:

Connectivity Type	SAE J1772™-2	IEC 61851-2
Charging Cable Length	10' (3.0 meter)	10' (3.0 meter) x 2
Control/Management System	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)
LED Display	5.7" (146 mm) color, 640x480, 30fps full motion video, active matrix, LV controlled	5.7" (146 mm) color, 640x480, 30fps full motion video, active matrix, LV controlled
Locking Handle	Yes	Yes x 2

Safety and Connectivity Features:

Ground Fault Detection	20mA GFD with auto retry
Over-Current Protection	Continuously monitors presence of safety ground when ground connection
Plug Out Detection	Power terminated per SAE J1772™ specifications
Power Measurement Accuracy	±1% from 20 to 100 amp (20A)
Power Report/Status Interval	15 minutes, aligned to hour
Local Area Network	12.6 GHz Wi-Fi (802.11n/g)
Mobile Network	100 Mbps LTE (4G)

Safety and Operational Ratings:

Enclosure Rating	Type 30 per UL 508
Safety Compliance <td>UL 1004 and UL 1008, certified for Canada, compliant with I.E. 2004-18, 2234-14, 2234-15 and NEC Article 625</td>	UL 1004 and UL 1008, certified for Canada, compliant with I.E. 2004-18, 2234-14, 2234-15 and NEC Article 625
Design Protection <td>IP54 (NEMA 4X)</td>	IP54 (NEMA 4X)
EMC Compliance <td>EMC Part 15 Class B, FCC Part 15 Class B, CE mark, FCC Part 15 Class B, CE mark, FCC Part 15 Class B, CE mark</td>	EMC Part 15 Class B, FCC Part 15 Class B, CE mark, FCC Part 15 Class B, CE mark, FCC Part 15 Class B, CE mark
Operating Temperature <td>-22°F to 122°F (-30°C to 50°C)</td>	-22°F to 122°F (-30°C to 50°C)
Operating Humidity <td>10 to 90% RH @ 50°C (122°F) non-condensing</td>	10 to 90% RH @ 50°C (122°F) non-condensing
Over-Current Protection <td>10-wire (double neutral) GFCI (if any circuit with neutral GFCI)</td>	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)
Terminal Block Wiring Rating <td>200V (400V)</td>	200V (400V)
Electrical Clearing Distance per IEEE 519.20-2014 <td>10-wire (double neutral) GFCI (if any circuit with neutral GFCI)</td>	10-wire (double neutral) GFCI (if any circuit with neutral GFCI)

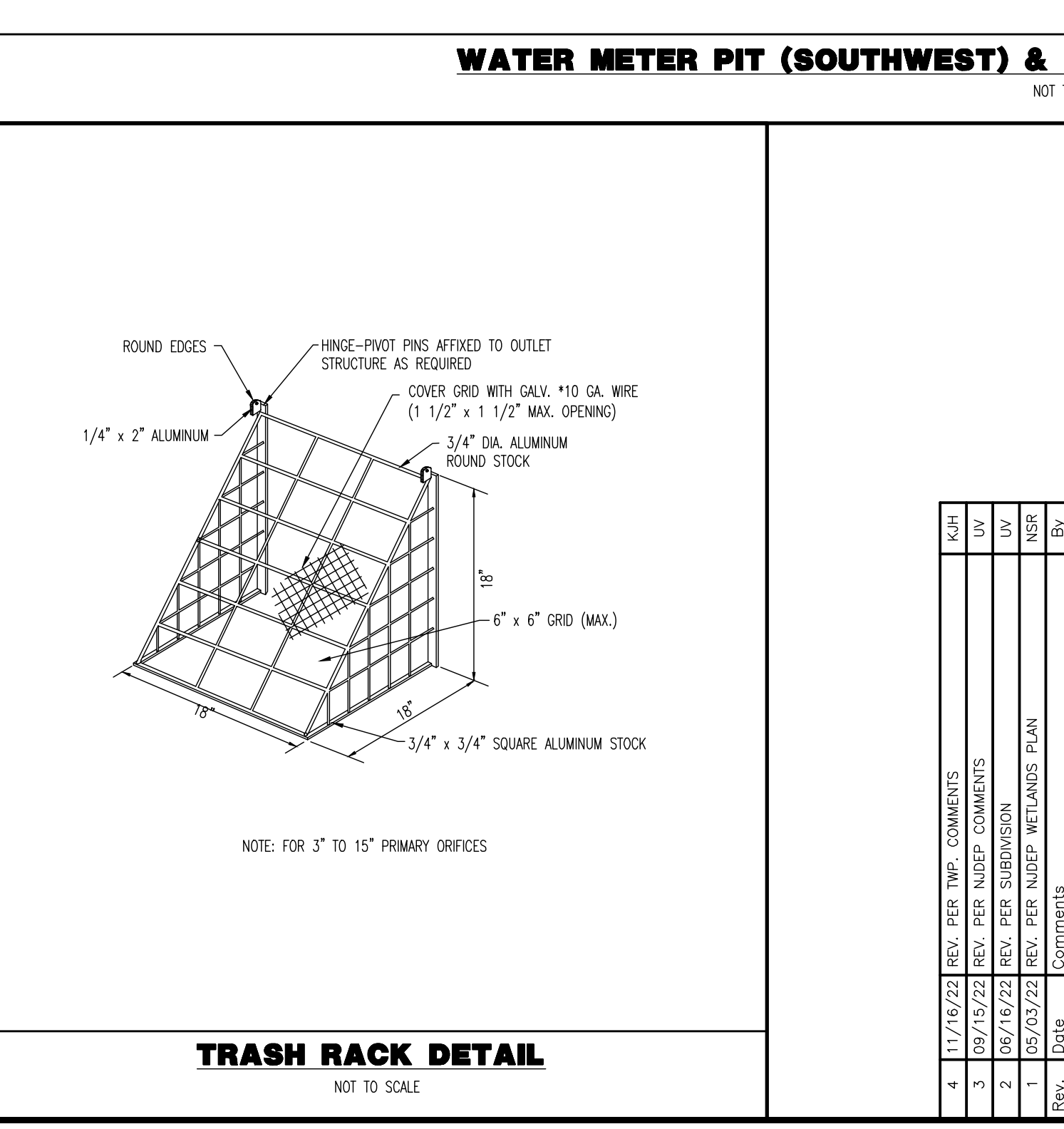
chargepoint

ChargePoint CT4000 Family

Ordering information

Product	SKU	Notes
Single Port Bolted Mount	CT4000	
Dual Port Bolted Mount	CT4002	
Single Port Wall Mount	CT4003	
Dual Port Wall Mount	CT4004	
Single Port Pole Mount	CT4005	
Dual Port Pole Mount	CT4006	
Single Port Canopy Mount	CT4007	
Dual Port Canopy Mount	CT4008	

For More Information: Visit www.chargepoint.com or call 1-877-777-7777



DYNAMIC ENGINEERING

LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

CONSTRUCTION DETAILS

PROJECT: B9 SCHOOLHOUSE OWNER LLC PROPOSED WAREHOUSES

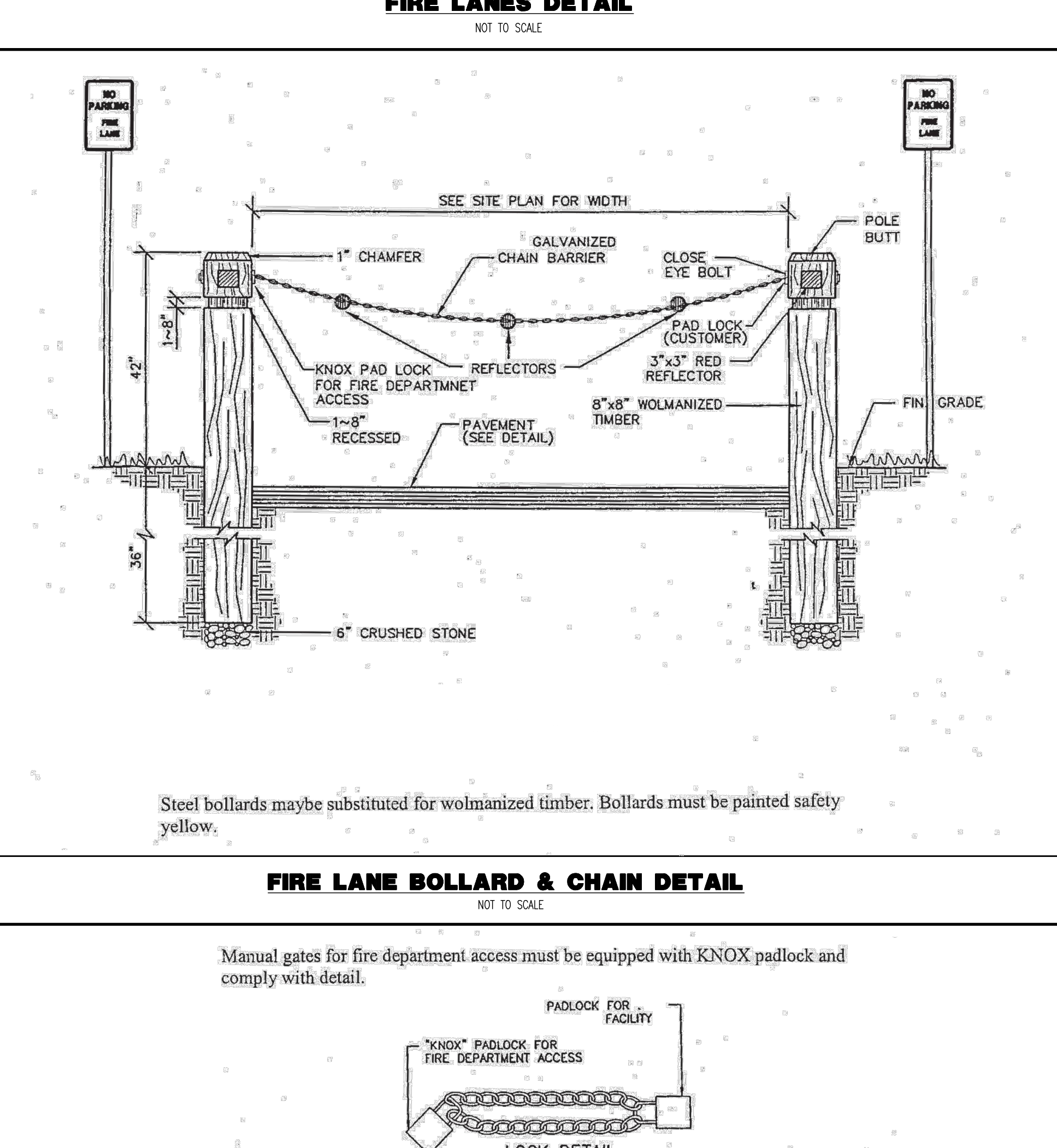
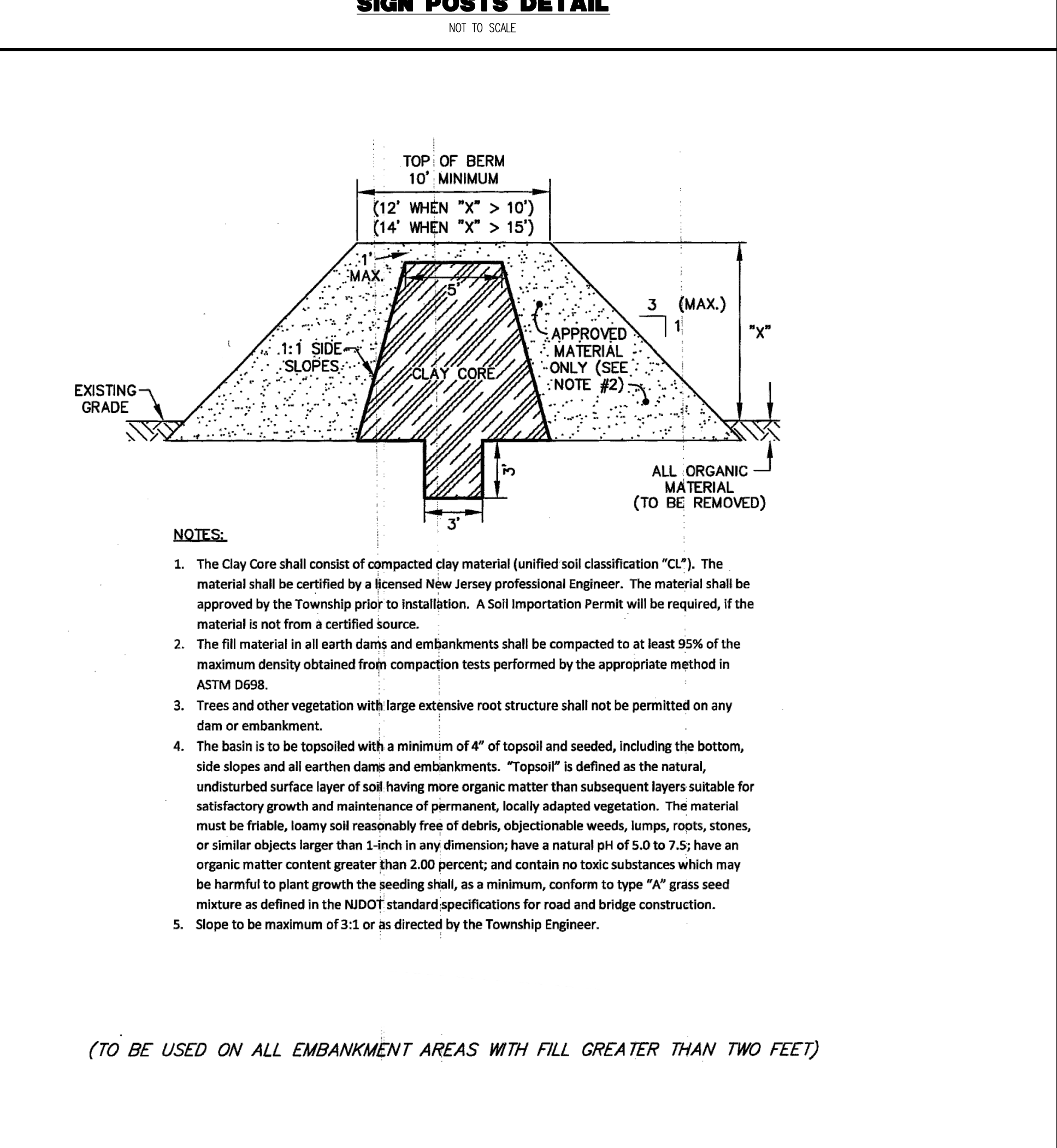
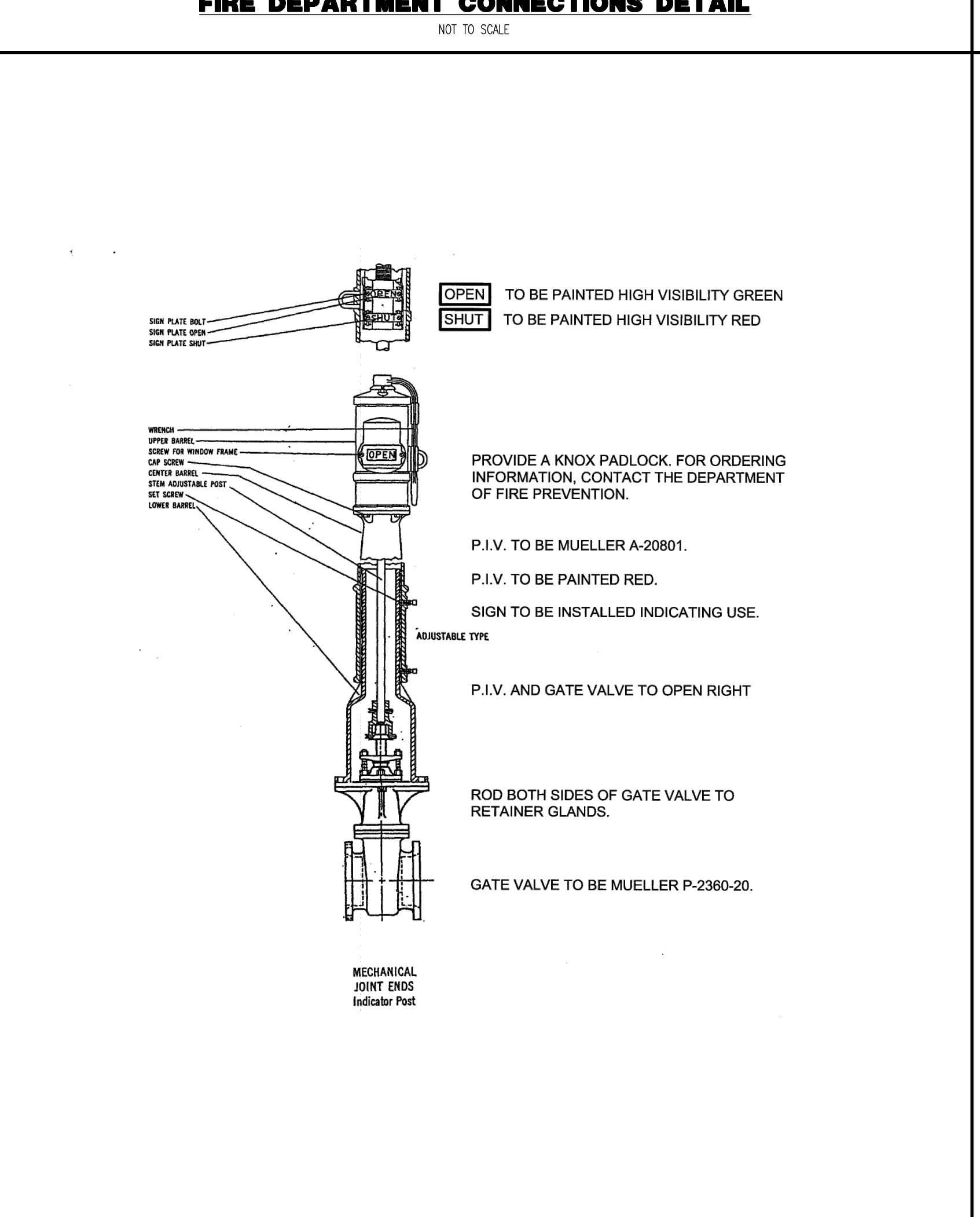
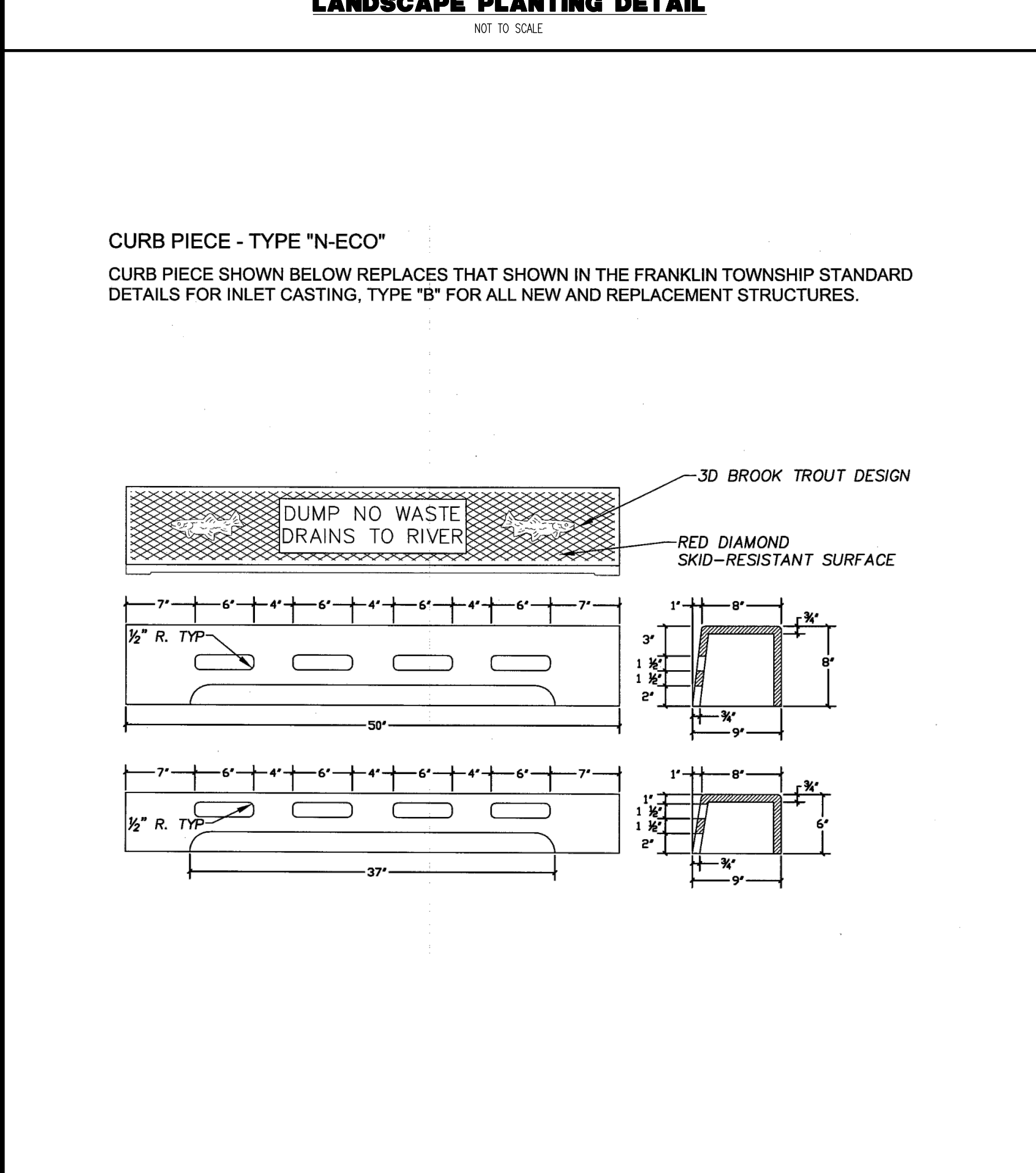
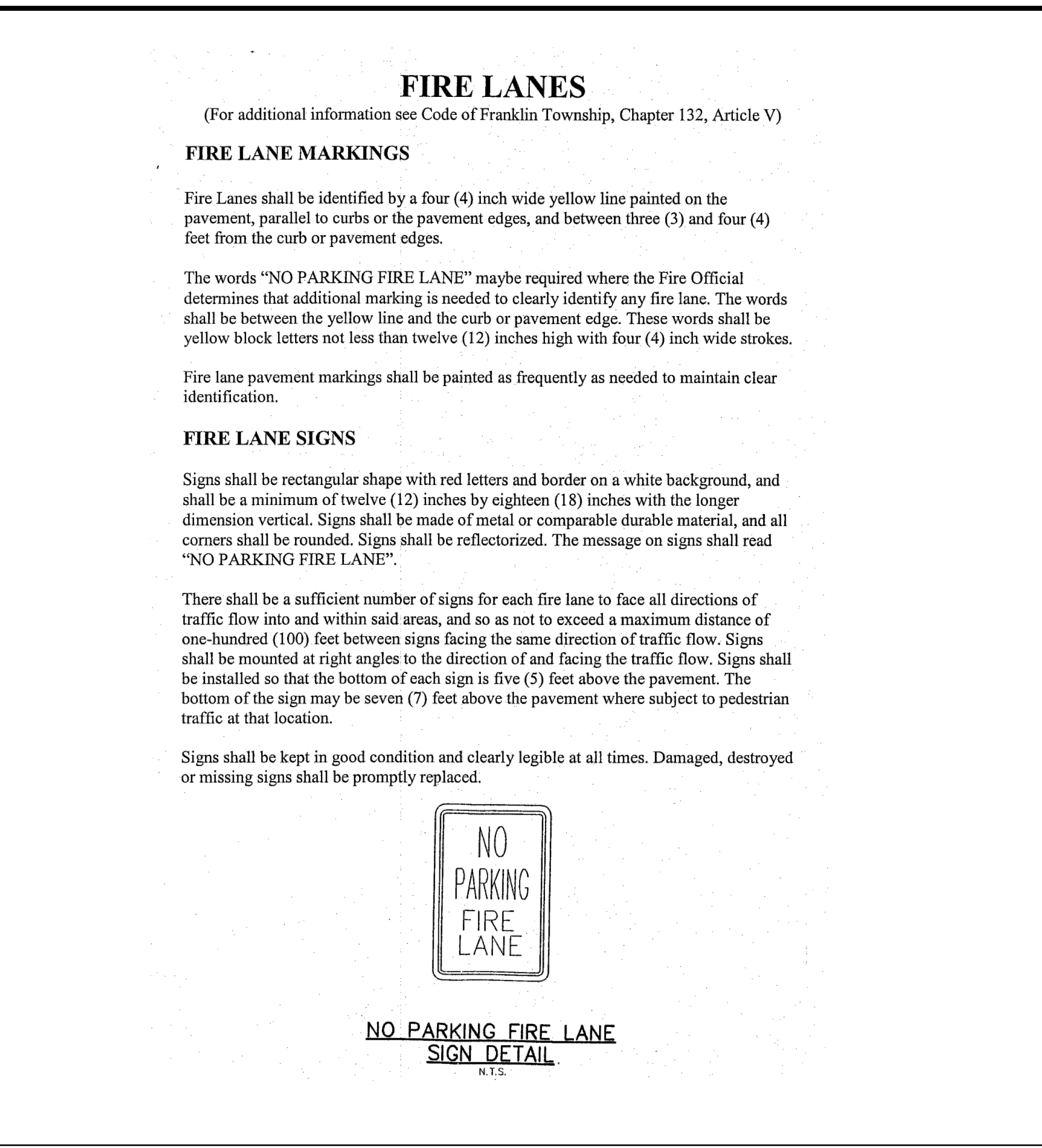
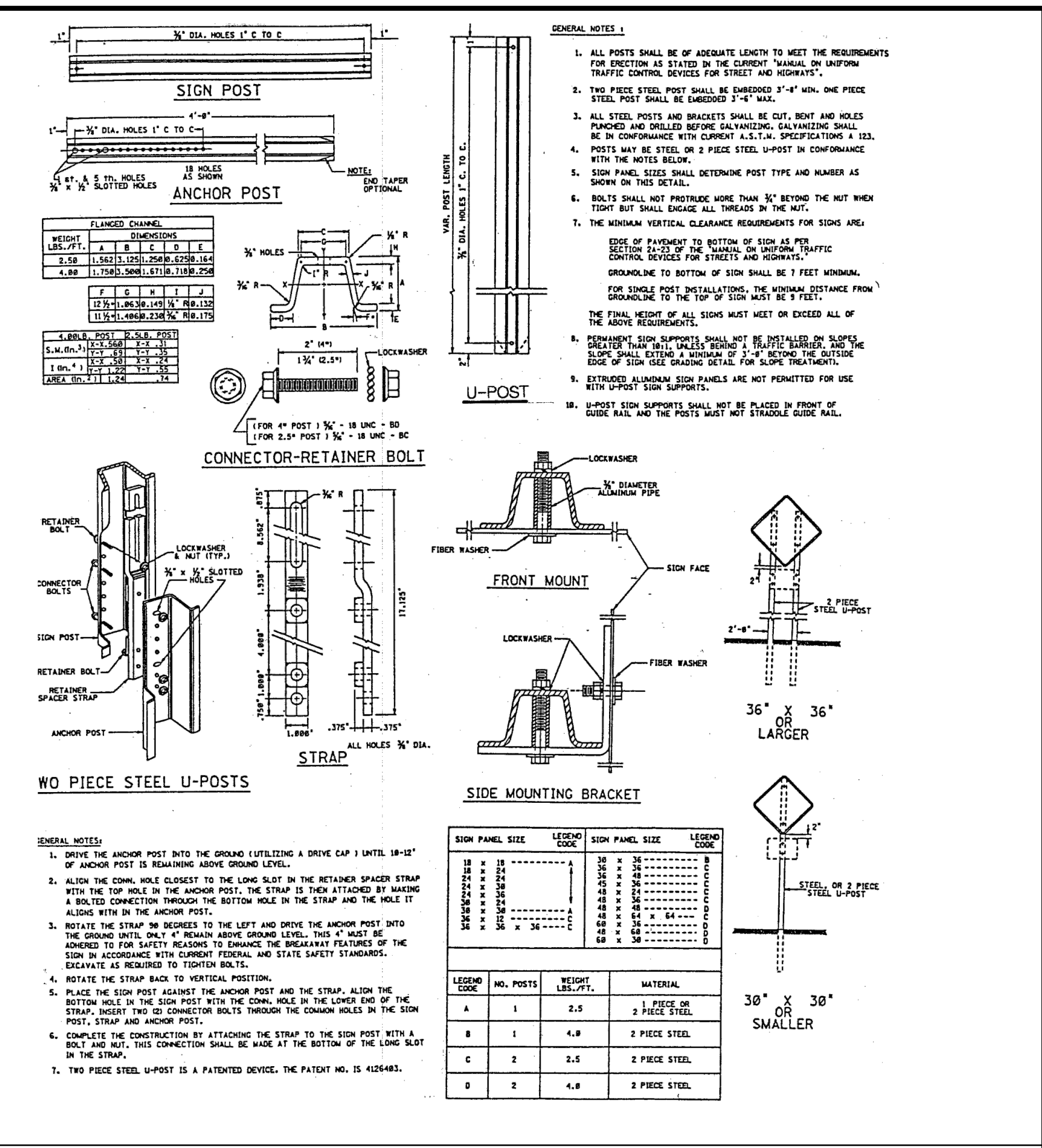
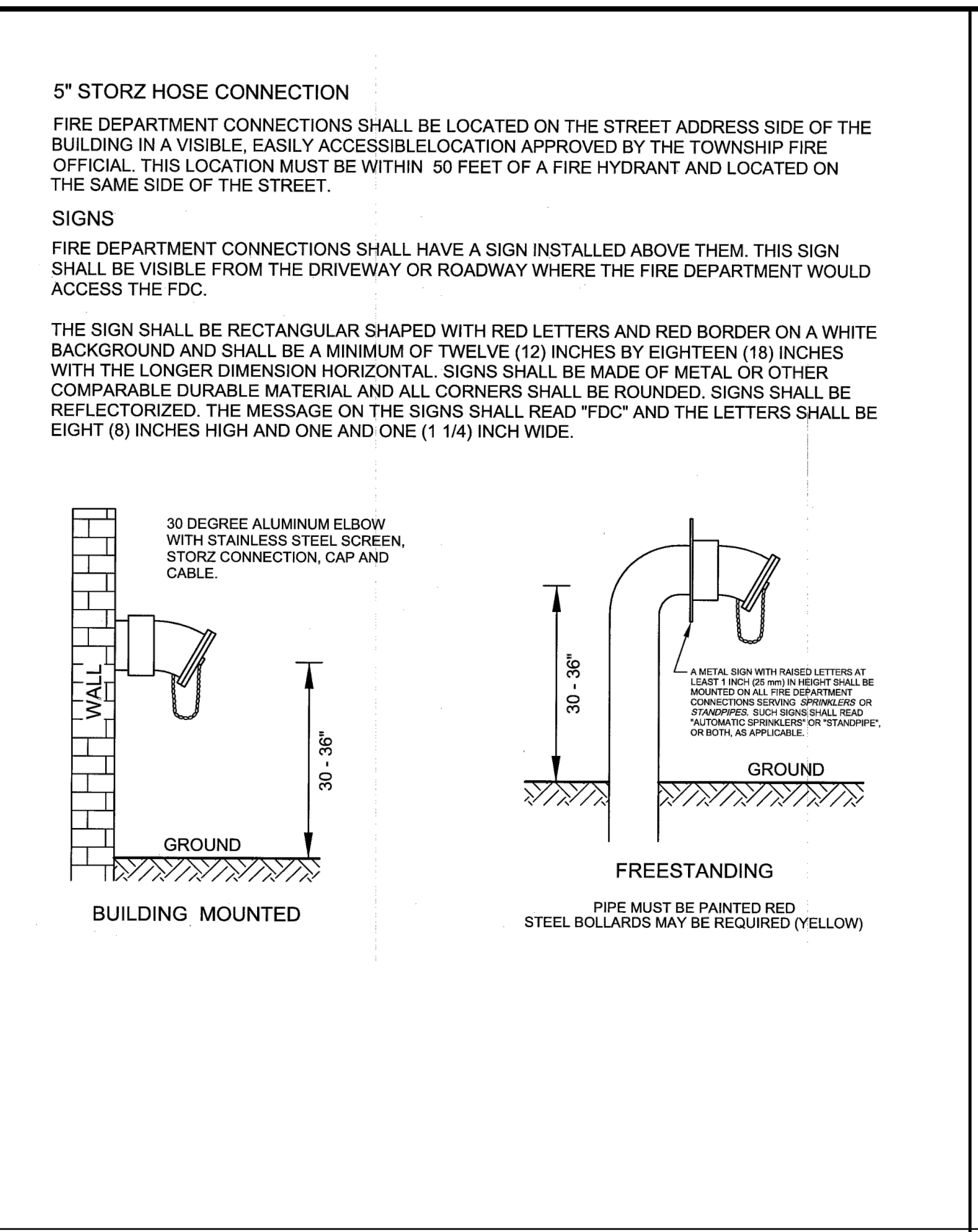
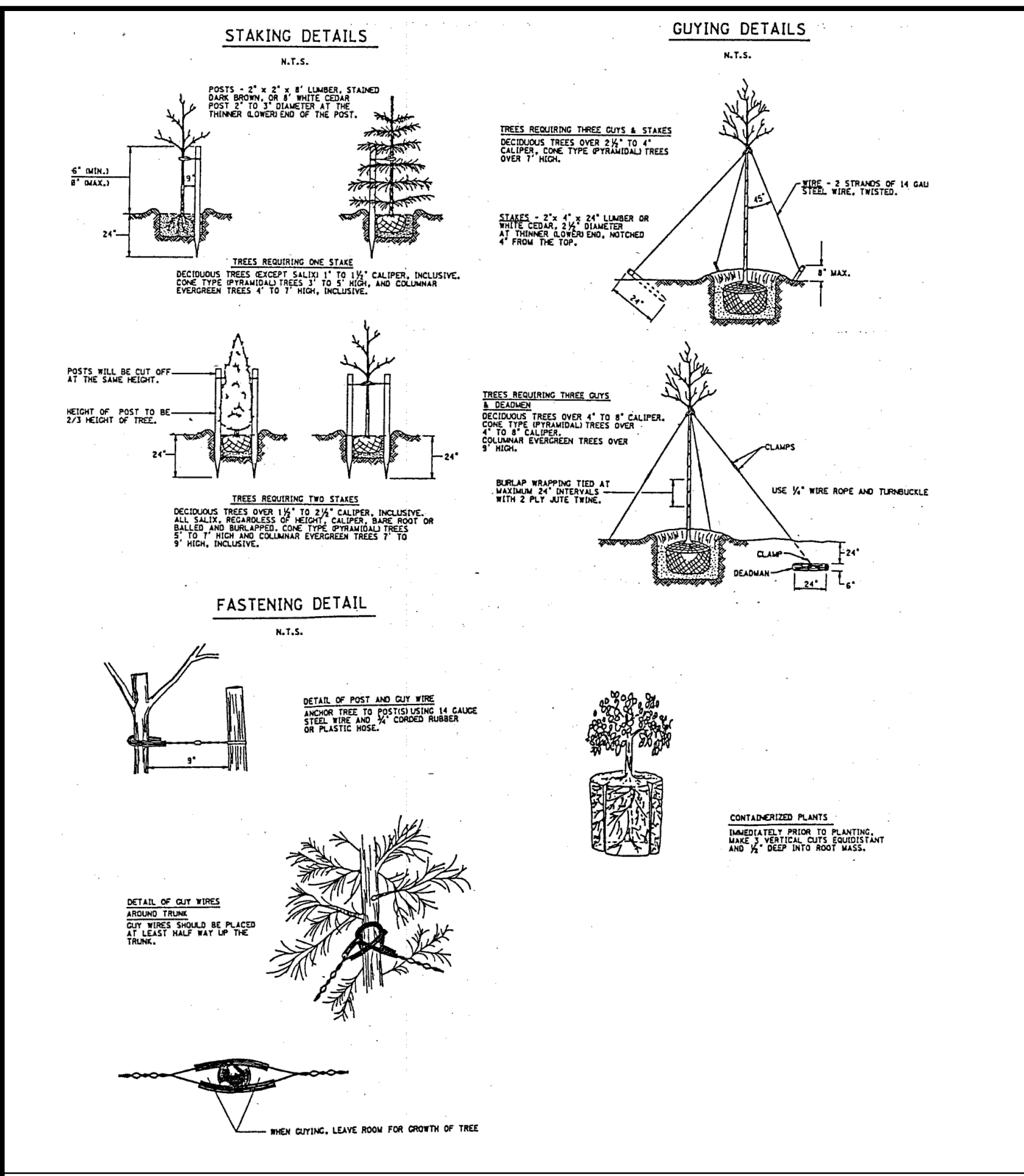
40 Main Street - 3rd Floor
 Toronto, ON M5E 1B5
 T: 753 876 0000
 F: 753 874 9000
 www.dynamiceng.com

TITLE: CONSTRUCTION DETAILS

JOSHUA M. SEWALD
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 52908

KYLE J. KRANSKI
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 52985

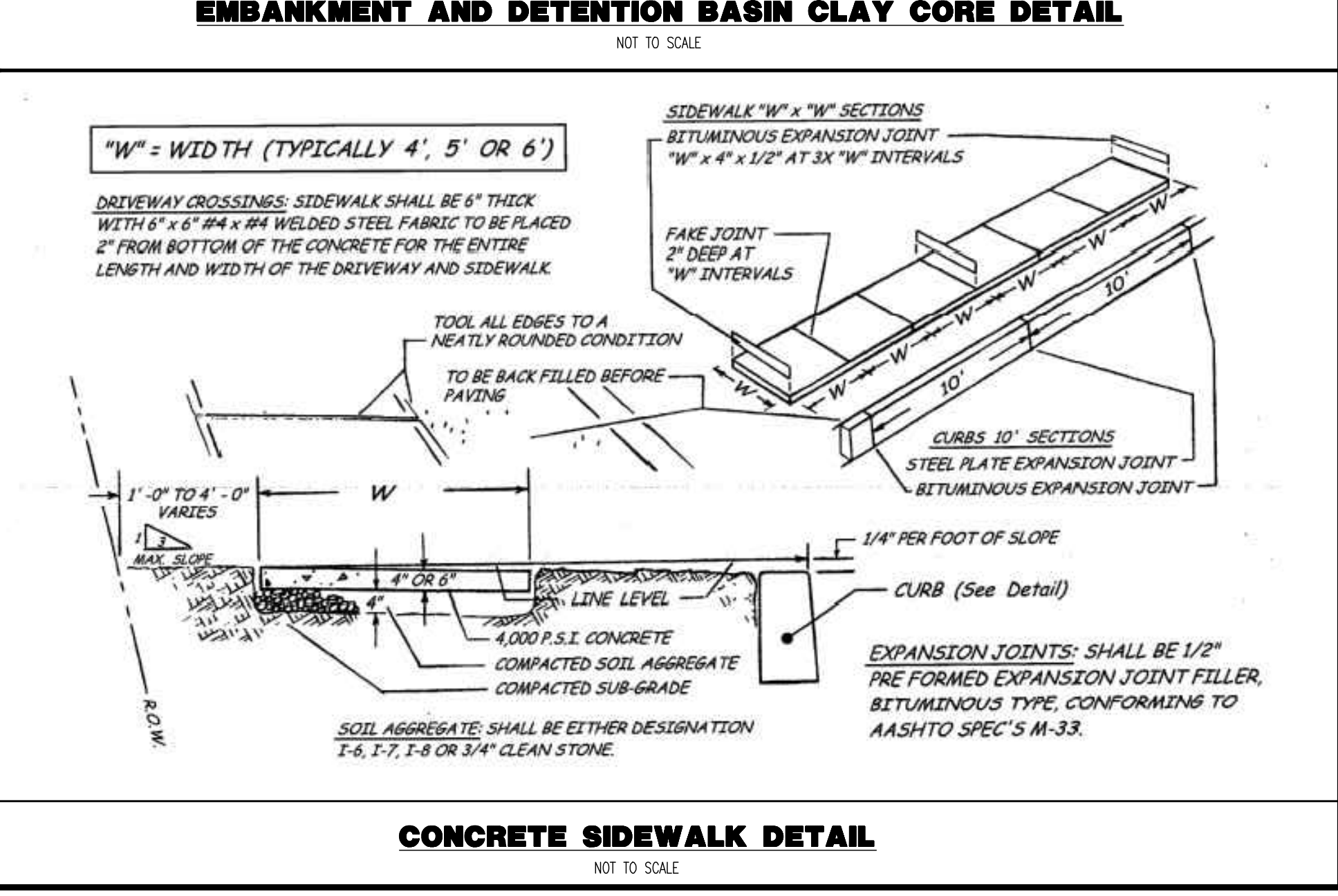
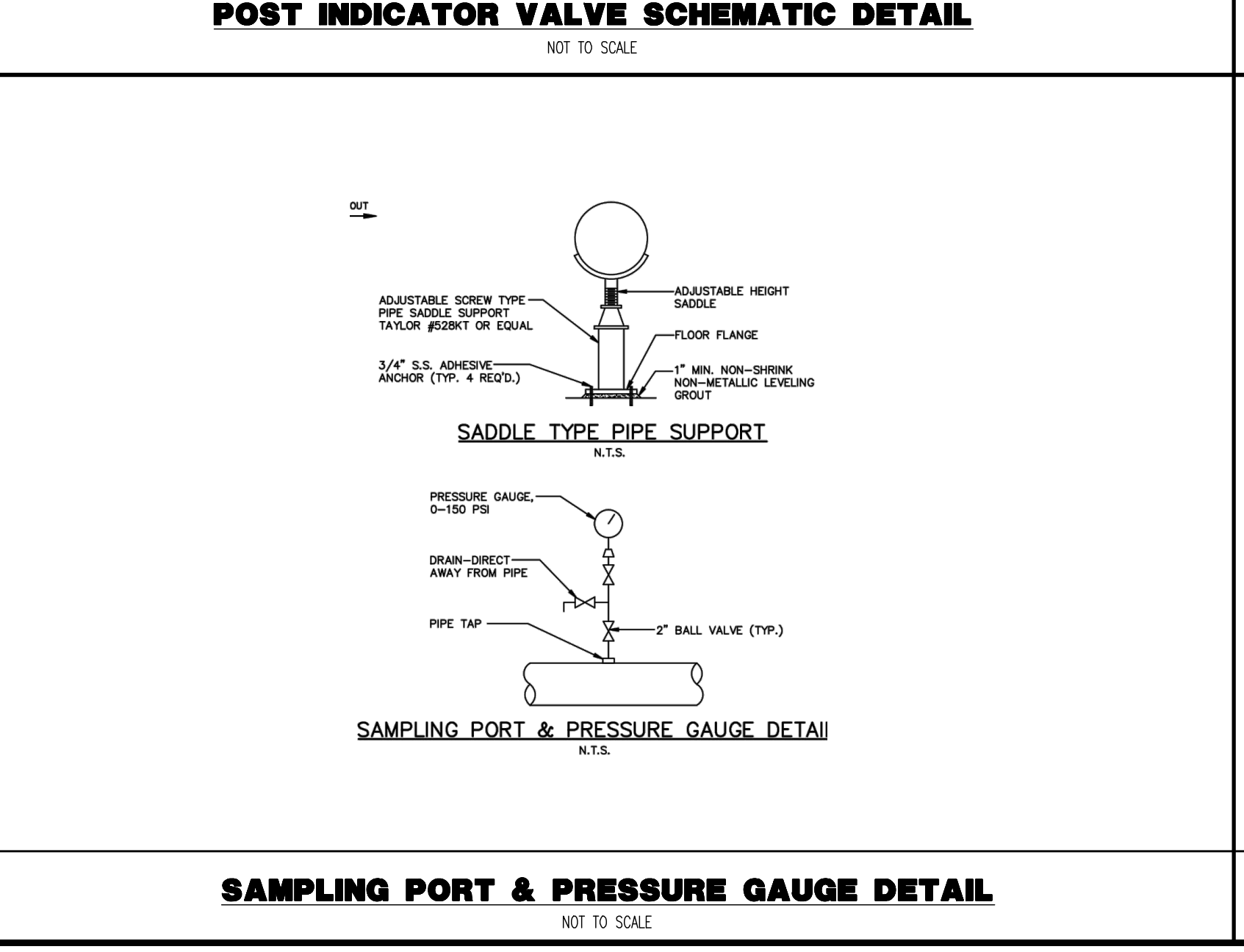
DATE: 04/01/2022
 SCALE: (AS SHOWN)
 SHEET NO: 26 OF 35



RESTRAINING LENGTH SCHEDULE
MINIMUM LENGTH OF RESTRAINED JOINTS ON EACH SIDE OF FITTING

FITTING	DUCTILE IRON PIPE (FT.)	CONCRETE LCP
90° BEND, VALVES, CAPS AND PLUGS	NA 90 120 145 190 270 230	
45° BENDS	NA 30 35 45 60 80 70	
22 1/2° BENDS	NA 10 10 15 15 25 20	
11 1/4° BENDS	NA 5 5 5 5 5 5	
5 5/8° BENDS	NA NA NA NA 5 5 5	
TEES	6" Ø 8" Ø 12" Ø 16" Ø 24" Ø 42" Ø 48" Ø	

RESTRAINING LENGTH SCHEDULE DETAIL
NOT TO SCALE



FIRE DEPARTMENT ACCESS DETAIL
NOT TO SCALE

FIRE DEPARTMENT ACCESS DETAIL
NOT TO SCALE

FRANKLIN TOWNSHIP CONSTRUCTION DETAILS

PROJECT: **B9 SCHOOLHOUSE OWNER LLC**
PROPOSED WAREHOUSES
BLOCK 514, LOTS 1, 2, 3, & 60
96-104 SCHOOLHOUSE ROAD
TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY

JOSHUA M. SEWALD
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 52908

KYLE M. KAWANSKI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 52985

DATE: 04/01/2022
SCALE: 1/8" = 1'-0"
SHEET NO: 29 OF 35

Project: 12/01/22 - 129 PM, By: khang Product: 24 ft. (LMS Tech) 40 Main Street - 3rd Floor
 25 Sussex Avenue, Suite 200, Montclair, NJ 07042 Phone: 908.266.8888 Fax: 908.266.8889
 28 FRANKLIN TOWNSHIP CONSTRUCTION DETAILS

