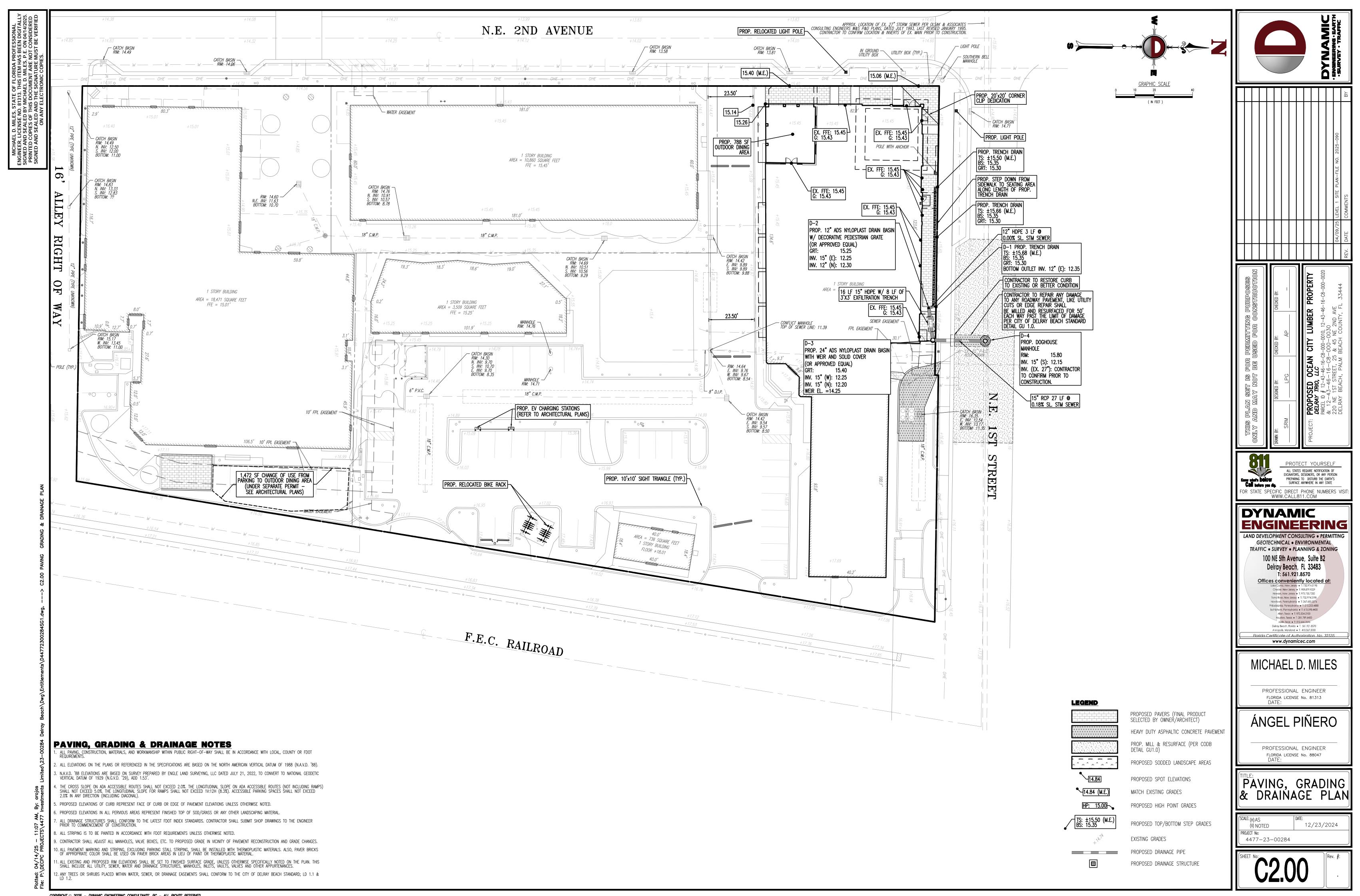
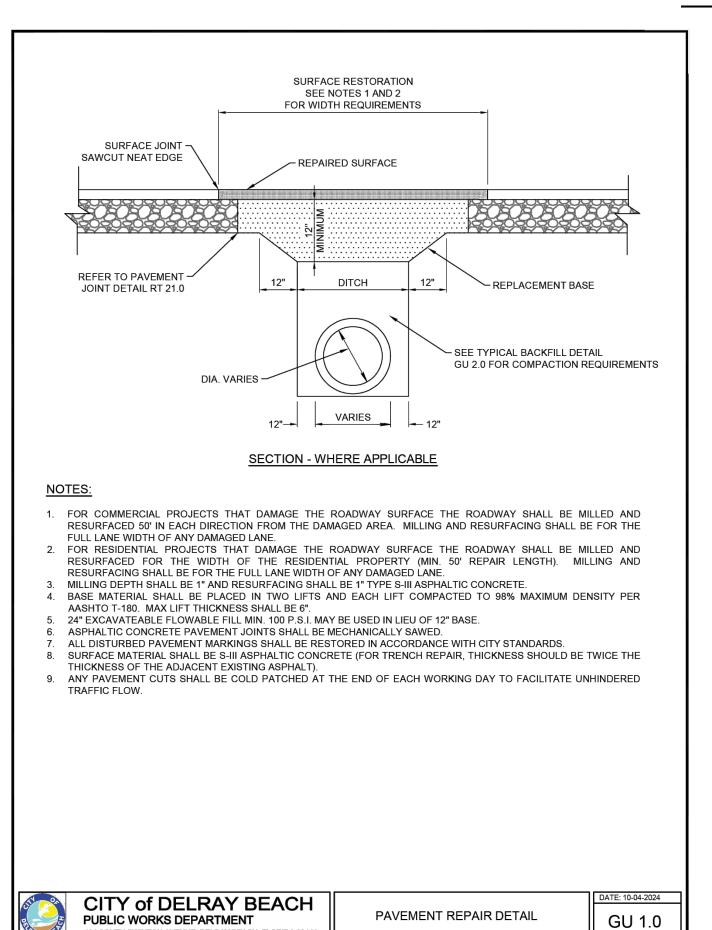
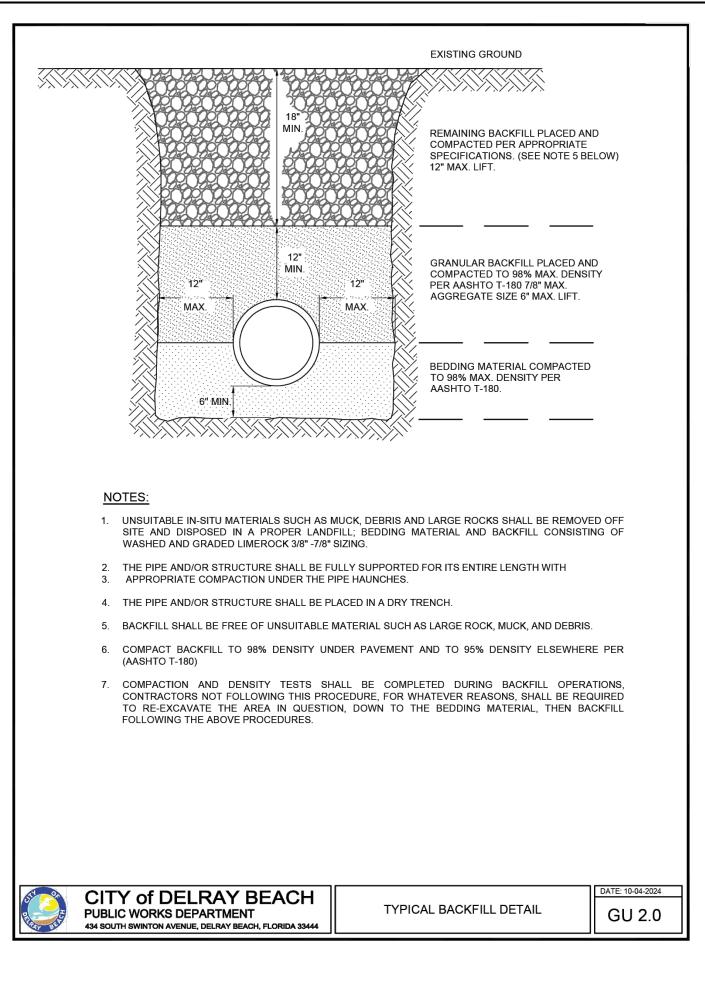
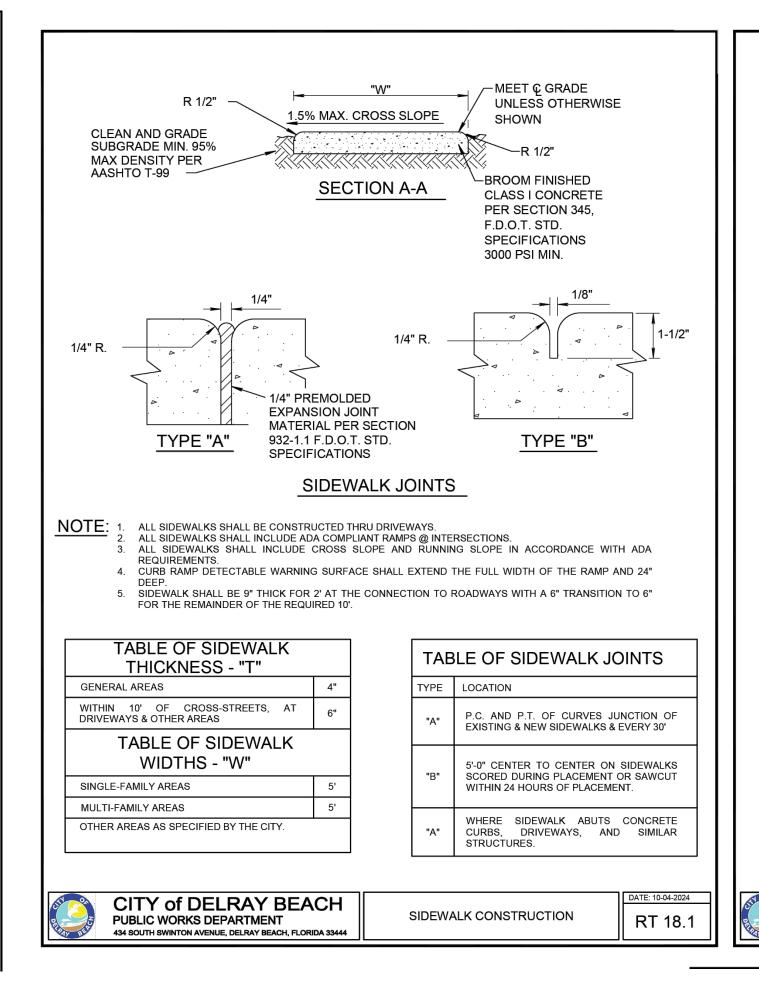


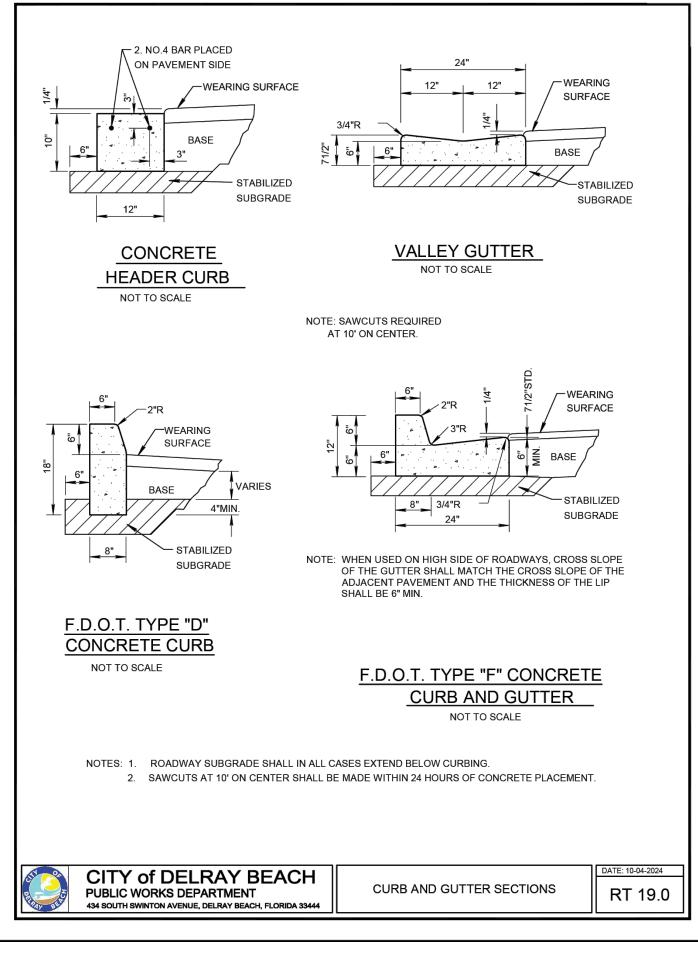
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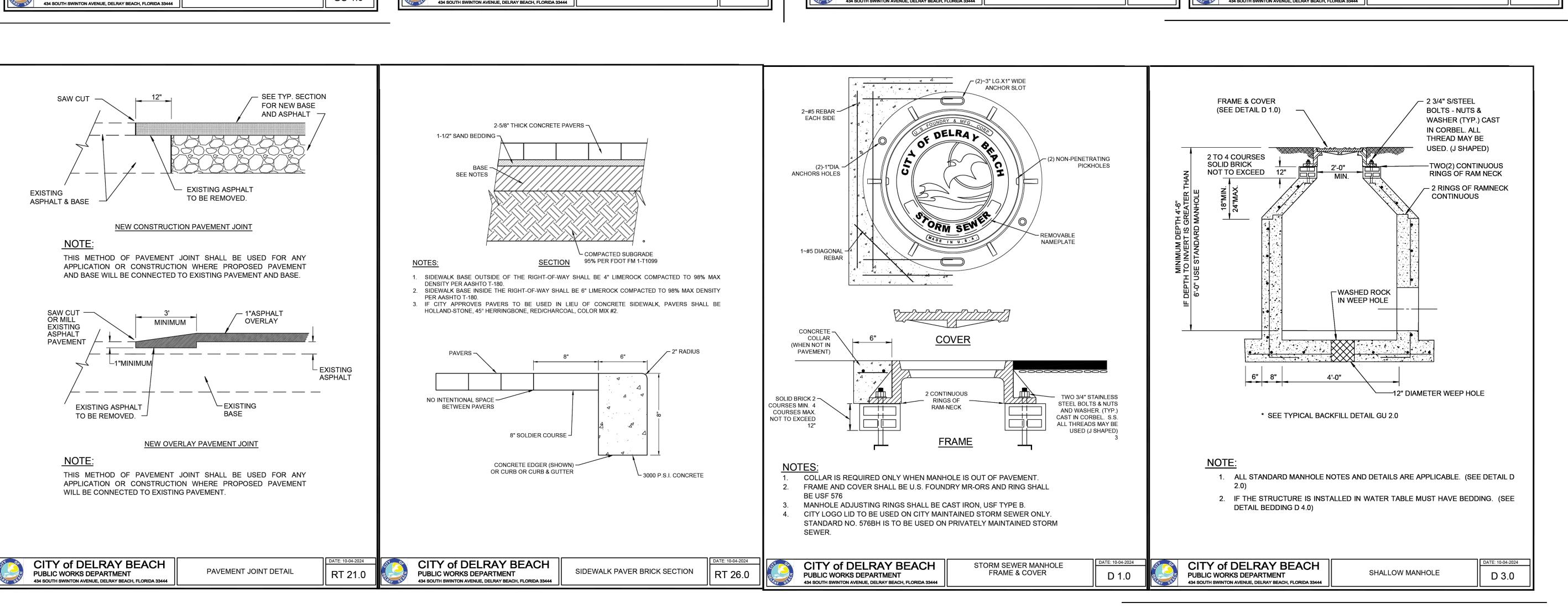


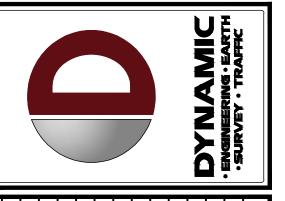


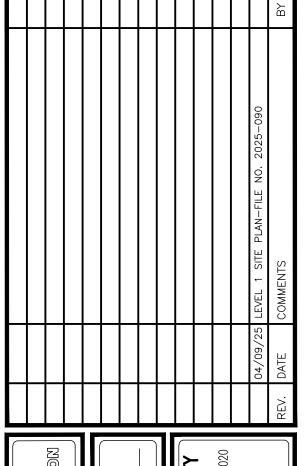














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MICHAEL D. MILES

FLORIDA LICENSE No. 81313 DATE:

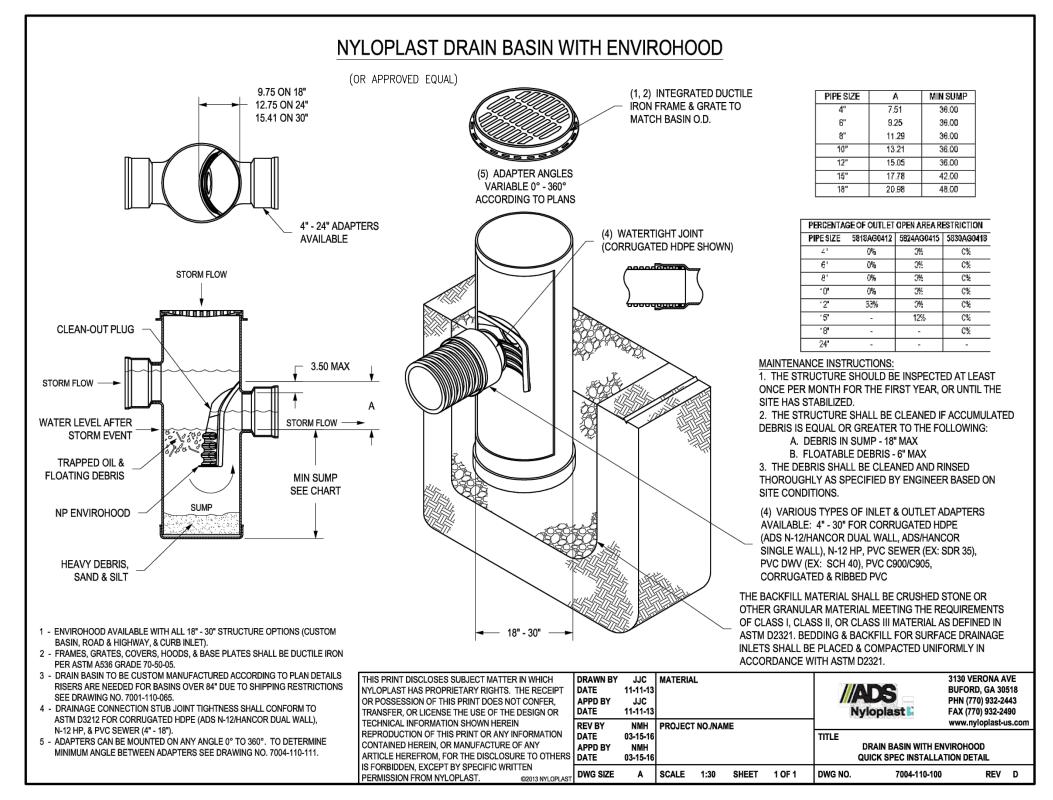
PROFESSIONAL ENGINEER

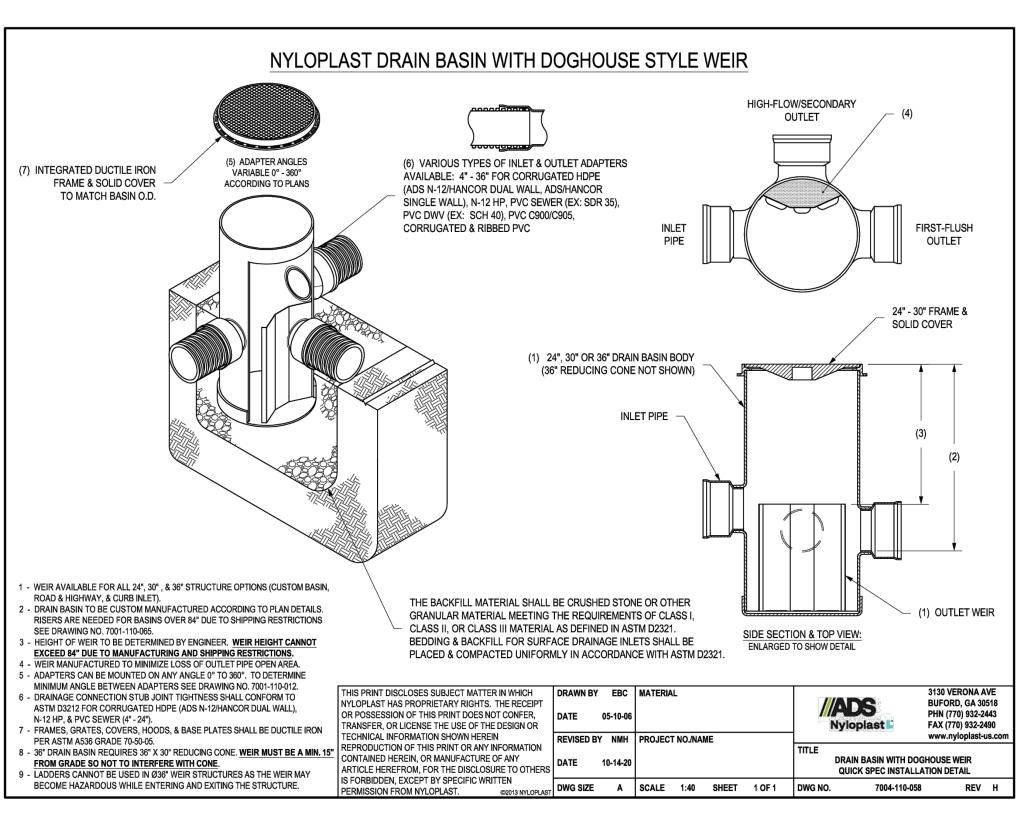
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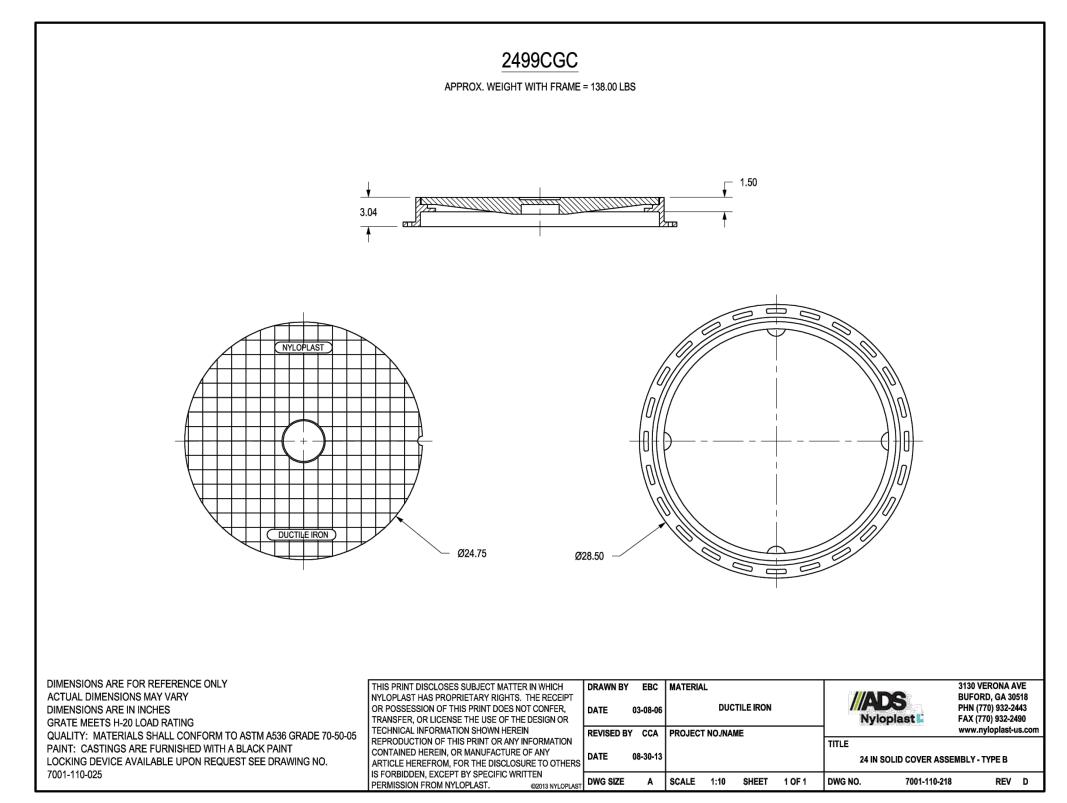
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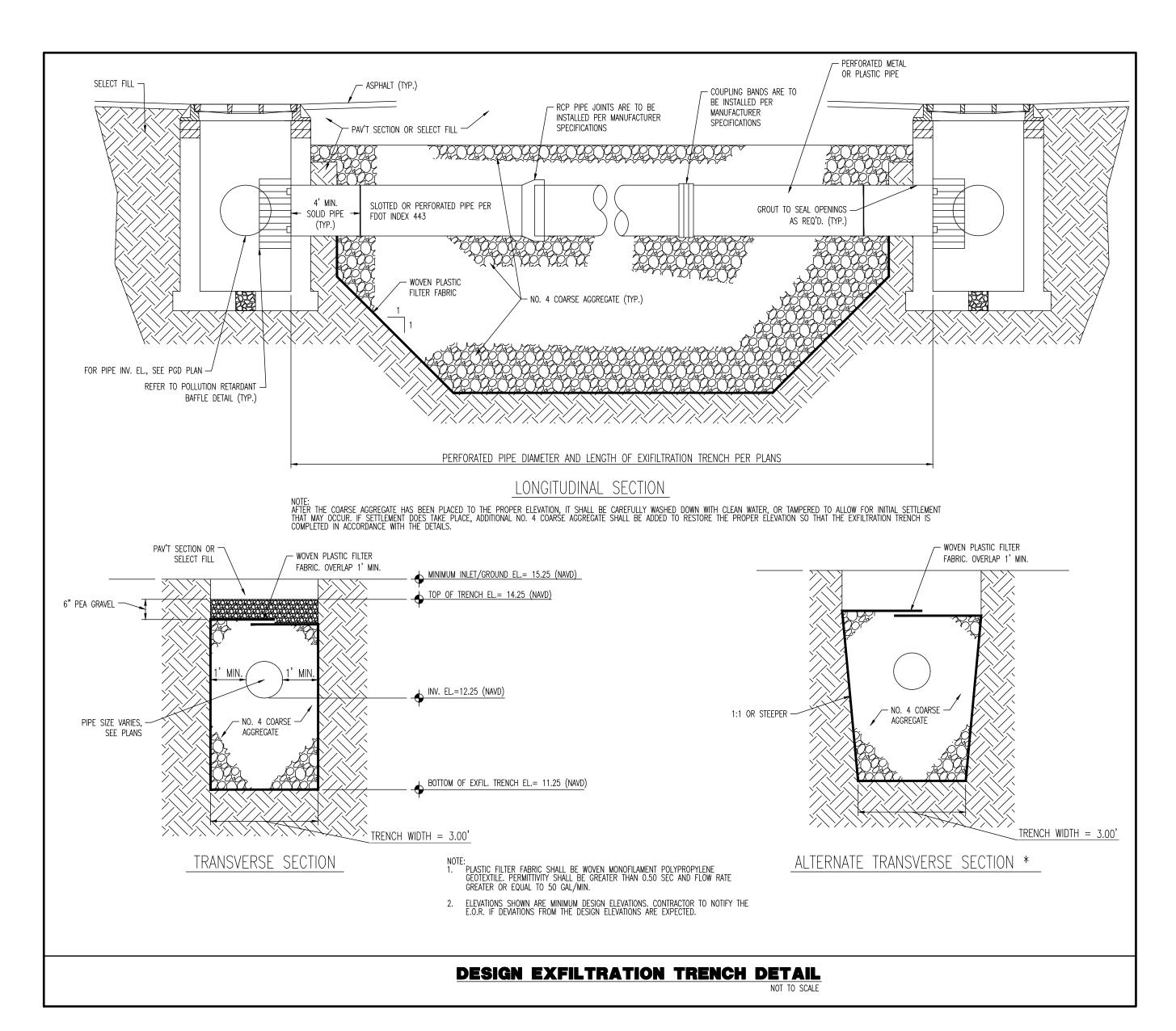
PAVING, GRADING & DRAINAGE DETAILS

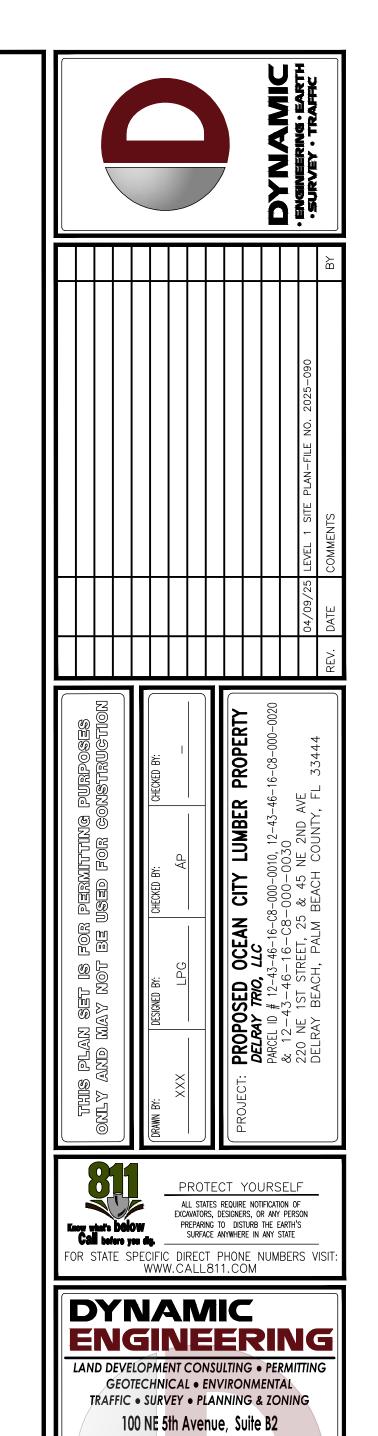
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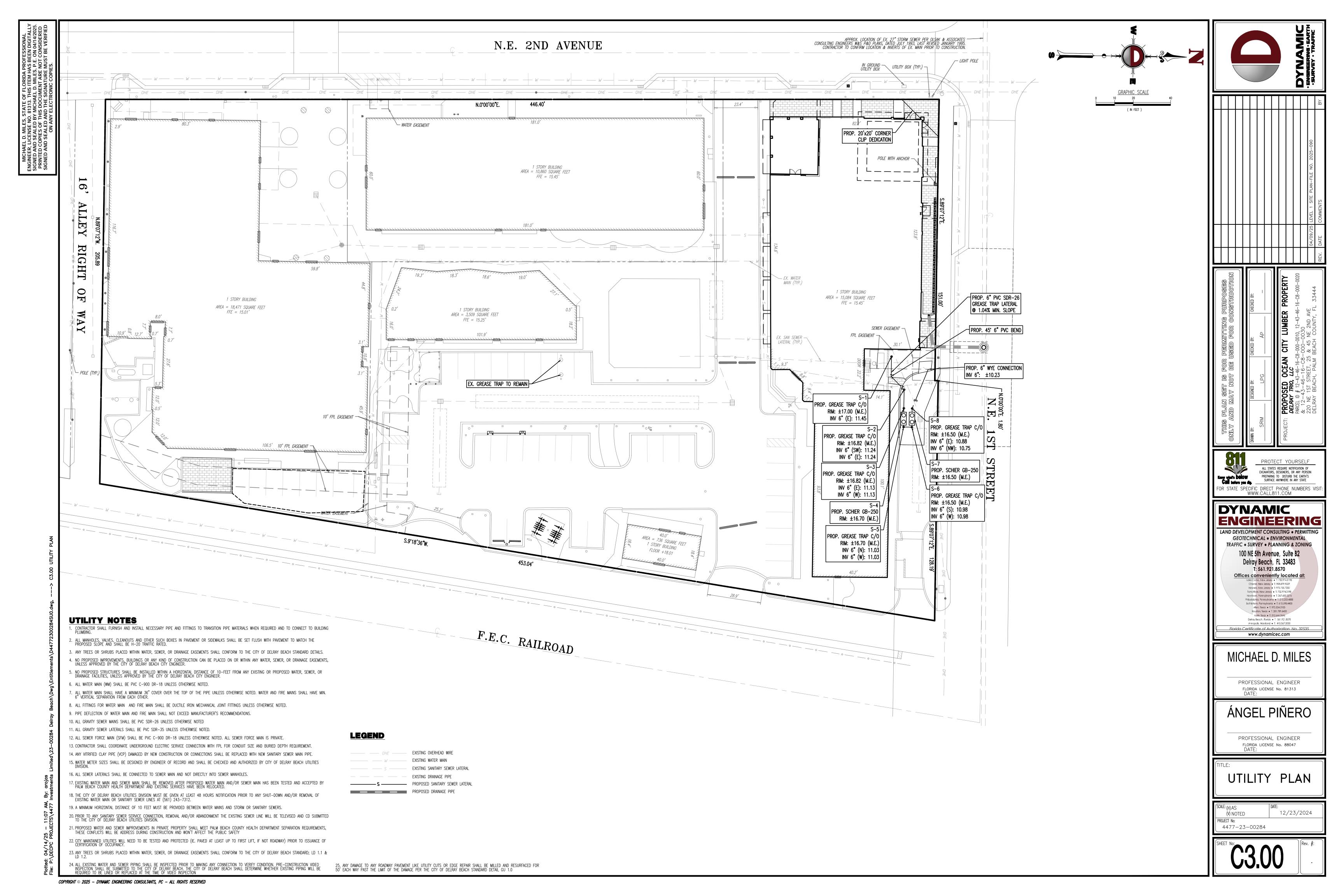
PROFESSIONAL ENGINEER

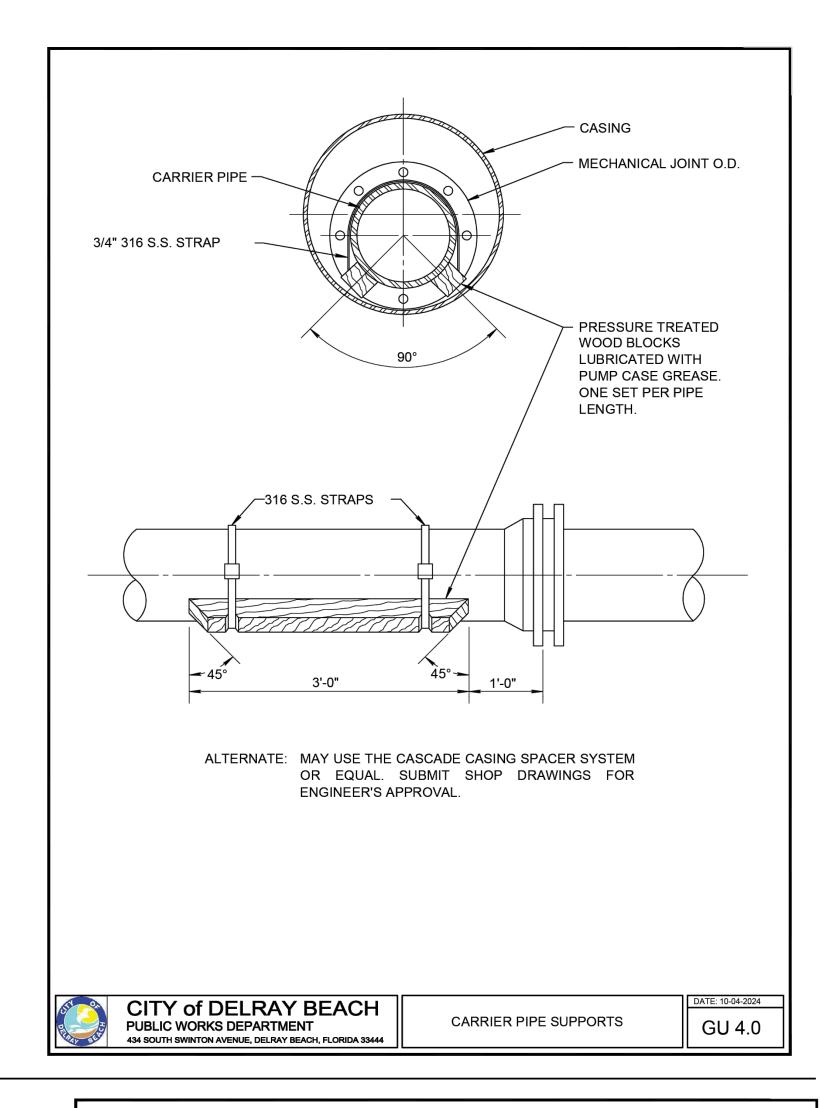
ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047
DATE:

PAVING GRADING & DRAINAGE DETAILS

C2.02







MANHOLES SHALL BE INSPECTED BY THE ENGINEER BEFORE PLACEMENT AND SURFACE TREATMENT.

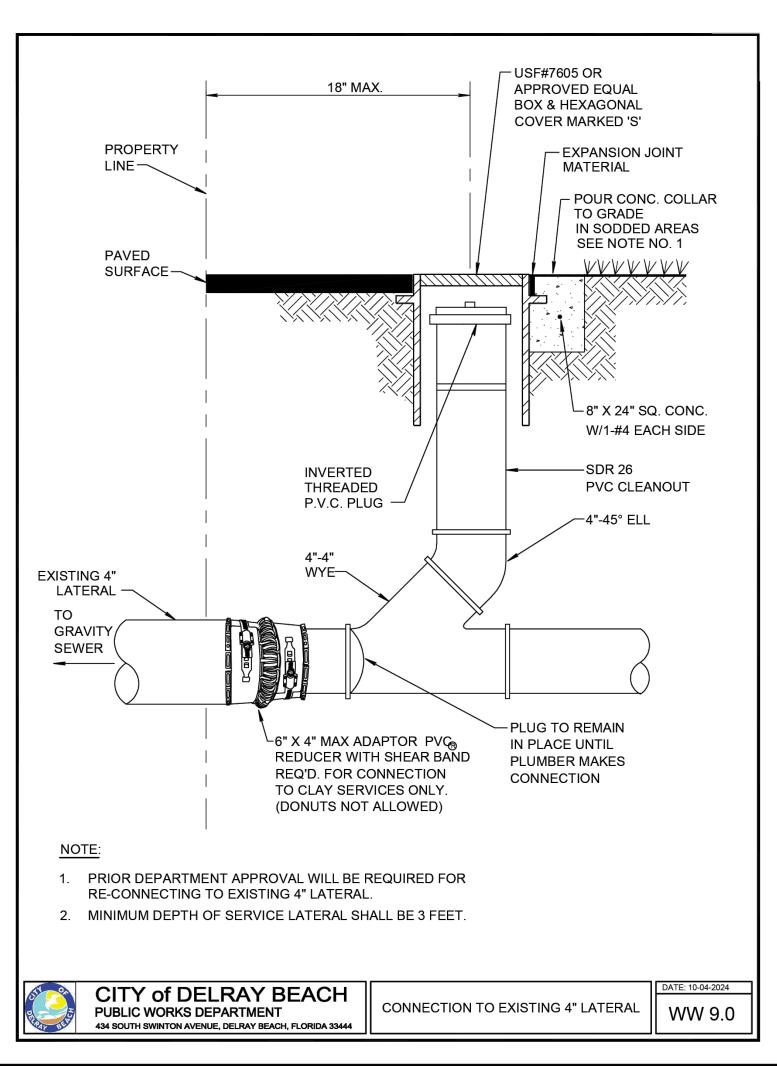
- ALL OPENINGS IN PRECAST MANHOLES SHALL BE CAST AT TIME OF MANUFACTURE. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE ENTRY ONLY.
- ALL MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE.
- 4. (PVC) GRAVITY SEWER PIPE SHALL CONFORM TO ASTM D 3034, SDR 26, LATEST REVISIONS, WITH PUSH
- (DIP) GRAVITY SEWER PIPE SHALL BE CLASS 350, 401 EPOXY LINED OR AS OTHERWISE APPROVED BY UTILITIES DEPARTMENT.
- NO SERVICE CONNECTIONS, WYES, SERVICES OR VALVES WILL BE PERMITTED IN RESIDENTIAL
- DRIVEWAYS. MANHOLE FRAMES SHALL BE ATTACHED TO THE PRECAST STRUCTURE WITH A MINIMUM OF TWO 3/4 316 STAINLESS STEEL BOLTS, NUTS AND WASHERS. FRAMES SHALL BE SEALED WITH A MINIMUM OF TWO 1/2" BEADS OF RAM-NEK CAULKING.
- TRENCHES SHALL BE DE-WATERED TO ENABLE PIPE AND APPURTENANCES TO BE INSTALLED FREE OF WATER ON UNDISTURBED SOIL. IF UNSUITABLE SUBSURFACE MATERIAL IS ENCOUNTERED, EXCAVATE EXTRA 6" AND BACKFILL WITH 3/4" GRAVEL.
- PVC SHALL BE LAID IN STRICT CONFORMANCE TO MANUFACTURER'S SPEC (JOHNS MANVILLE RING TITE PVC PIPE INSTALLATION GUIDE OR EQUAL). BACKFILLING OF UTILITY TRENCHES WILL NOT BE ALLOWED UNTIL INSPECTED BY THE ENGINEER.
- BACKFILL MATERIAL FOR SEWER MAIN AND LINES SHALL BE NON-COHESIVE, NON PLASTIC MATERIAL FREE OF ALL DEBRIS, LUMPS AND ORGANIC MATTER. BACKFILL MATERIAL PLACED WITHIN ONE (1 FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO (2 INCHES IN DIAMETER (1" FOR PVC PIPE) AND NO STONES LARGER THAN SIX (6) INCHES IN DIAMETER WILL BE PERMITTED IN ANY BACKFILL.
- ALL EXCAVATION IN EXISTING RIGHT OF WAY SHALL BE BACKFILLED AND STABILIZED AT THE END OF EACH DAY TO PERMIT PEDESTRIAN AND VEHICULAR TRAFFIC PRIOR TO THE CONTRACTOR LEAVING
- WHERE SEWER IS NOT WITHIN PUBLIC R/W, IT IS TO BE LOCATED IN A 12' UTILITY EASEMENT. CITY MAINTENANCE RESPONSIBILITY IS MANHOLE TO MANHOLE ONLY.
- UPON COMPLETION OF THE WORK AND PRIOR TO PLACEMENT OF ASPHALT A VISUAL INSPECTION BY THE ENGINEER SHALL BE MADE OF THE COMPLETED SYSTEM ALONG WITH A LOW PRESSURE AIR TEST, AFTER ROCK BASE FINISHED & PRIMED, OR 1ST LIFT OF ASPHALT PLACED. AFTER ALL OTHER TESTING HAS BEEN COMPLETED, A CD VIDEO RECORDING SHALL BE MADE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, BEFORE THE LENGTHS ARE ACCEPTED FOR MAINTENANCE.
- EACH LINE SEGMENT SHALL BE LAMPED TO DETERMINE PROPER ROUNDNESS.
- COMPLETE "AS BUILT" INFORMATION RELATIVE TO MANHOLES, VALVES, SERVICES FITTINGS, PIPE LENGTHS, INVERTS AND SLOPES SHALL BE ACCURATELY RECORDED & SUBMITTED TO THE ENGINEER CITY SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
- AT THE END OF THE ONE (1) YEAR WARRANTY PERIOD THE DEVELOPER/CONTRACTOR WILL T.V INSPECT, AIR TEST EVERY JOINT, AND CHECK MANHOLE JOINTS AND CONNECTIONS TO DETERMINE IF REPAIRS ARE NECESSARY BEFORE THE WARRANTY BOND IS RELEASED.
- NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10-FEET FROM ANY EXISTING OR PROPOSED SANITARY SEWER FACILITY.
- ANY PIPE INTRODUCED INTO AN EXISTING MANHOLE MUST HAVE CARBOLINE BITUMASTIC 300M OF APPROVED EQUAL APPLIED EXTERNALLY WITHIN A MINIMUM 2-FOOT RADIUS OF OPENING AND THE ENTIRE MANHOLE MUST HAVE SEWPER COAT OR APPROVED EQUAL APPLIED INTERNALLY.
- ANY REHABILITATION TO AN EXISTING MANHOLE MUST BE INTERNALLY STRIPPED AND LINED WITH SEWPER COAT OR APPROVED EQUAL.

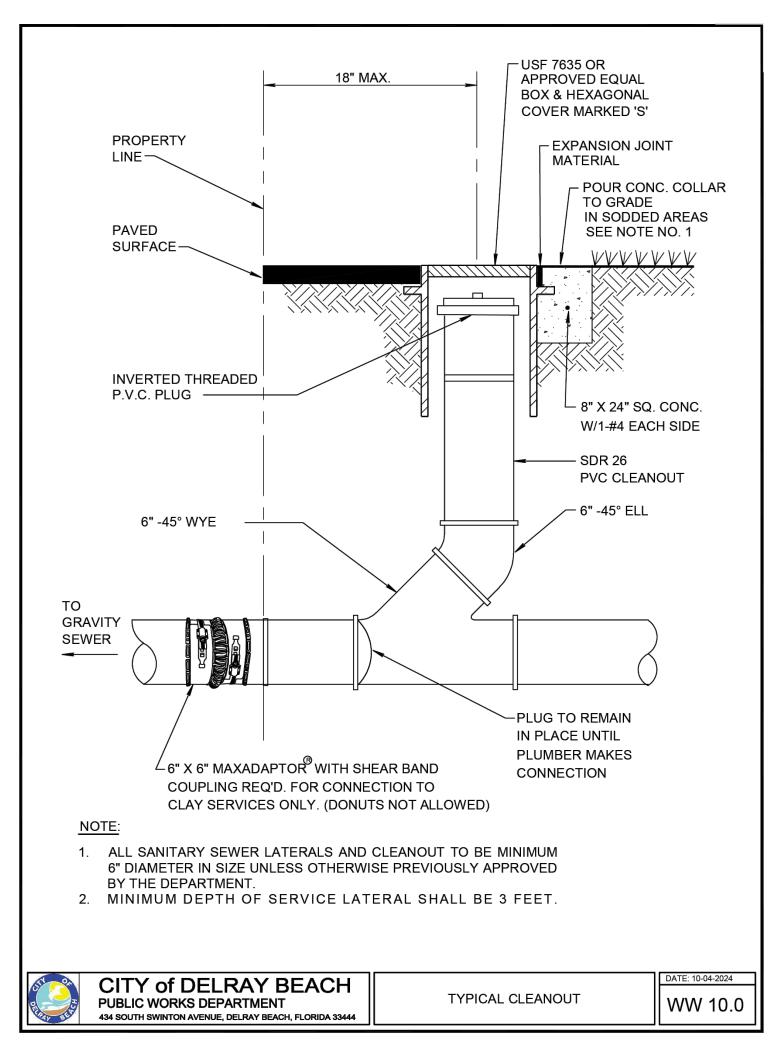


CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

GRAVITY SEWER NOTES

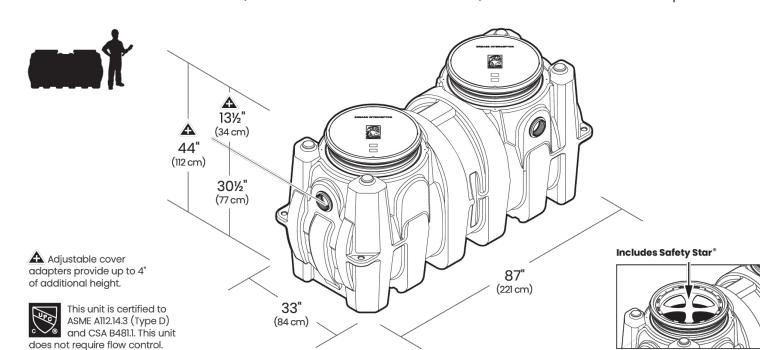
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SPECIFICATION AND SUBMITTAL

GB-250 100/200 GPM Great Basin™ Indoor/Outdoor Grease Interceptor



Options

☐ 6" plain end inlet/outlet

(straight-through)

☐ 6" MPT inlet/outlet

-FO (fixed outlet)

C24H2 Composite covers,

bolted 24" gas/water tight,

traffic load rated for 16,000 lbs.

with dual pumpout port connections

(stainless steel, straight-through)

SUBMITTAL

Standard Location: Indoor/outdoor Installation: Above/below grade Flow Rates / Grease Capacities: 100 GPM (6.3 L/s) / 1,895 lbs. (860 kg), 260 gal. (984 L) 200 GPM (12.6 L/s) / 1,196 lbs. (543 kg), 164 gal. (621 L)* Removal Efficiency at the Rated Capacity: 96.7% Solids Capacity: 69 gal. (261 Liquid Capacity: 277 gal. (1,049 L)

Weight: 376 lbs. (171 kg) Connections: 4" FPT with 4" plain end adapters, single inlet and triple outlet Covers: Cast iron covers, pickable 24" gas/water tight, H-20 rated, proof-load tested to 40,000 lbs. Access Restrictor: Safety Star® (450 lb. rating) built into each cover adapter

* At 200 GPM, this unit is certified to ASME All2.14.3 (Type C) and CSA B481.1 and includes an internal flow control. External flow control with vent not required.

Approval Signature: Company: Specifying Engineer: Engineering Firm

MODEL NUMBER: **DESCRIPTION:** 100/200 GPM Polyethylene Grease Interceptor ART #: 4055-001-02 DWG BY: B. Karrer DATE: 8/28/2020 REV: 9500 Woodend Road | Edwardsville, KS 66111 | 913-951-3300 | schierproducts.com © Copyright 2020 Schier Products Compa

page 1 of 4

Accessories

PP3 Pumpout port

AK1 High water anchor kit

FCR2 (x2) >4" - 34" field cut riser

CA2 Adapter for 24" corrugated

ATDI Cover adapter tie-down kit

AGS1 Above grade support kit

PLAIN-EA-24 2" plain end fitting

PLAIN-EA-34 3" plain end fitting

FPT-EA-34 4" x 3" FPT fitting

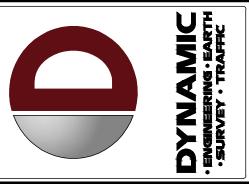
FPT-EA-23 3" x 2" FPT fitting

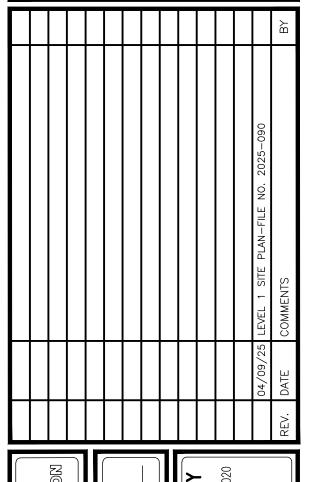
CC2 Integral membrane

clamping collar kit

FCR2 (x4) >34" - 64" field cut risers

FCR2 (x6) >64" - 94" field cut risers









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UTILITY DETAILS

12/23/2024 (V) NOTED PROJECT No: 4477-23-00284