

GENERAL NOTES

1. ALL ELEVATIONS REFER TO NATIONAL GEODETC VERTICAL DATUM OF 1929 (N.G.V.D), UNLESS NOTED OTHERWISE.
2. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF DERM, DEP & SFWMD, WATER MANAGEMENT REGULATIONS AND STANDARDS, THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION. THE LATEST MIAMI-DADE COUNTY "PUBLIC WORKS DEPARTMENT, MANUAL PART II – DESIGN AND CONSTRUCTION", AND THE VILLAGE OF PINECREST PUBLIC WORKS REQUIREMENTS.
3. ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES.
4. THE LOCATION AND SIZE OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE-TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL AT 1-(800)-432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
6. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
7. NPDES COMPLIANCE: CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. IN PARTICULAR, SEDIMENT AND EROSION CONTROLS AND STORM WATER MANAGEMENT MEASURES SHALL BE STRICTLY FOLLOWED.
8. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT
9. AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL CERIFY THAT THE DRAINAGE SYSTEM IS CLEAN OF DEBRIS OR ANY FOREIGN OBJECT. THE SITE SHALL BE CLEANED OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.
10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL THE FINAL ACCEPTANCE OF OWNER, ENGINEER, AND PUBLIC WORKS.

PAVEMENT SPECIFICATIONS:

OPTIONAL SURFACE COURSES:

CONCRETE PAVERS SHALL BE: 3 1/8" THICK SOLID CONCRETE INTERLOCKING PAVING UNITS (PER ASTM C 936). CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CUT SHEETS FOR APPROVAL TO THE ARCHITECT.

ASPHALTIC CONCRETE SURFACE SHALL BE: 2" ASPHALTIC CONCRETE STRUCTURAL COURSE TYPE SP-9.5 AS PER FDOT 2024 SPECS SECTION 334.

RIGID CONCRETE SURFACE SHALL BE: 6" CLASS I CONCRETE, ATTAINING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI AND REINFORCED WITH 6"x6" 1 W1.4 X W1.4 W.W.F. OF FIBER MESH REINFORCEMENT.

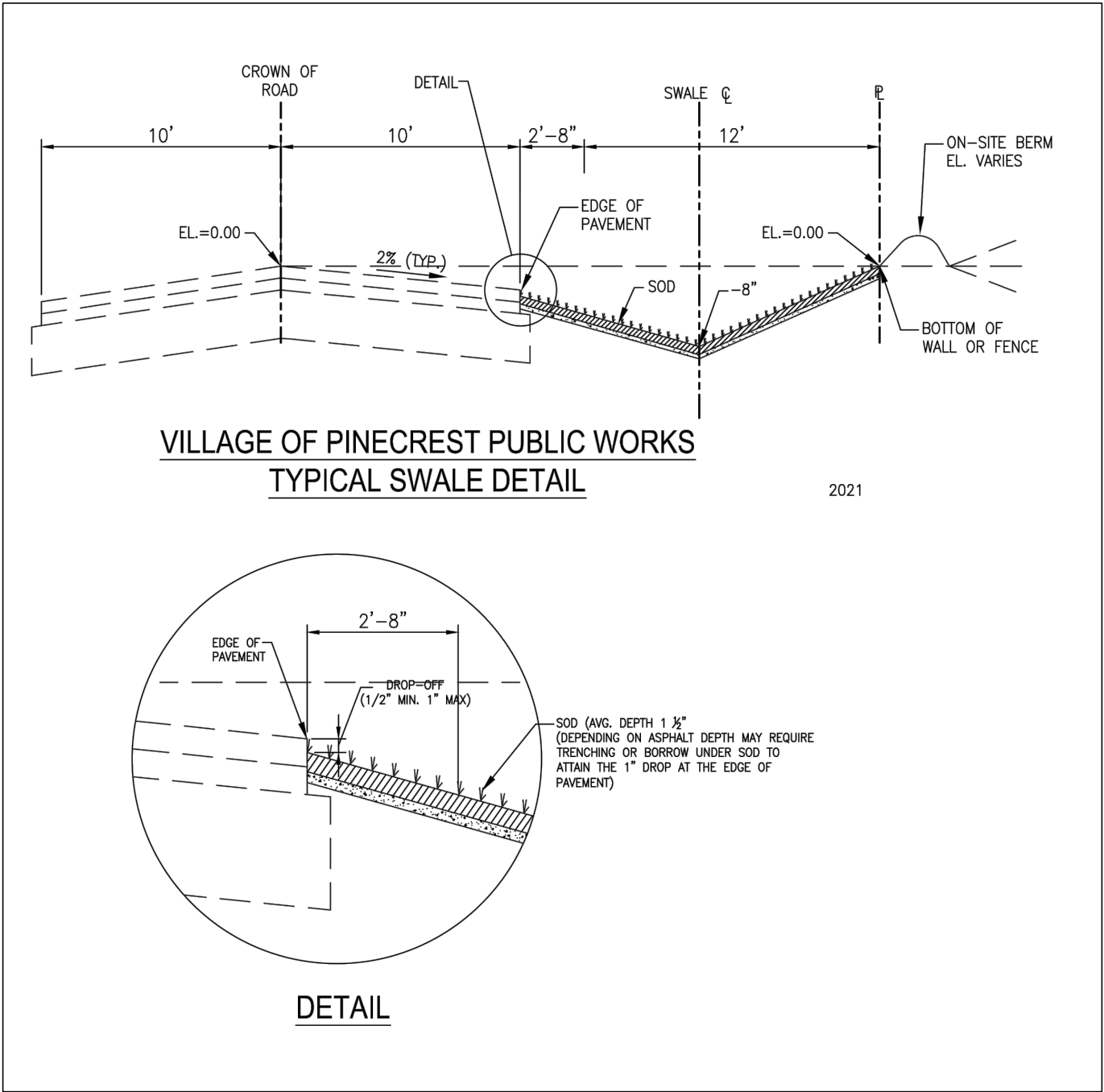
ROCK BASE:

8" LIMEROCK COMPACTED TO 98% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT PER A.A.S.H.T.O. T-180, METHOD "D". EXTEND 6" BEYOND EDGE OF SURFACE COURSE OR BACK OF CURB, AS APPLICABLE (PER FDOT SPECS SECTION 200) PRIME COAT ON LIME ROCK BASE COURSE SHALL MEET FDOT SPECS SECTION 300.

SUBGRADE:

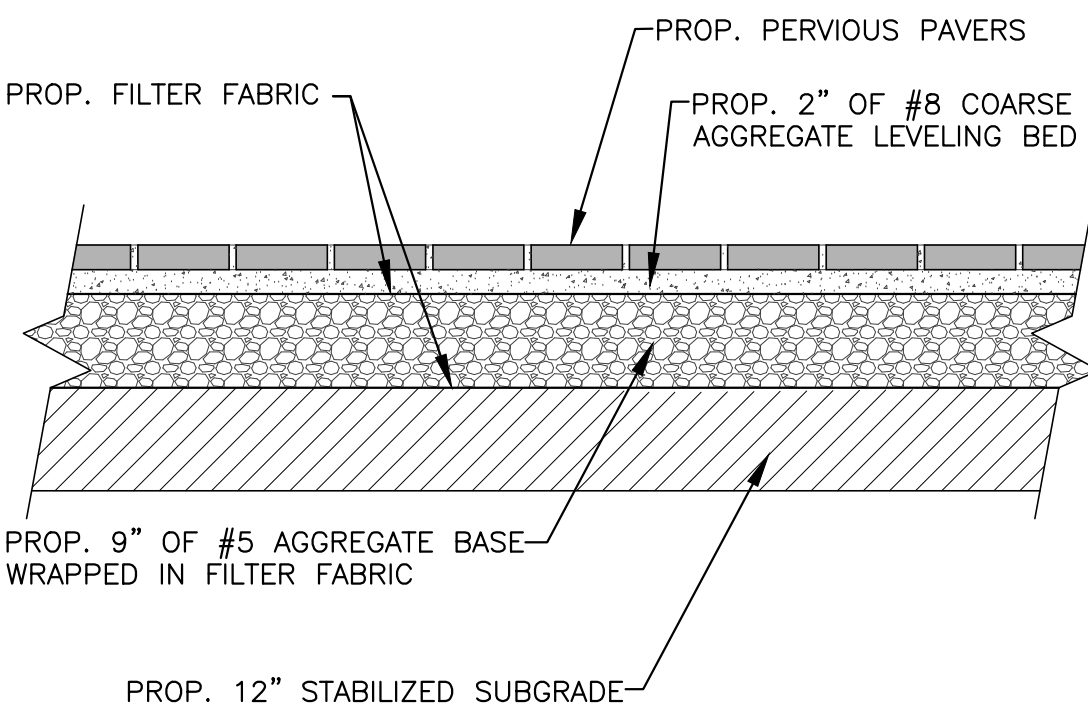
12" STABILIZED GRANULAR MATERIAL COMPACTED TO 98% MAX. DRY DENSITY AT OPTIMUM MOISTURE CONTENT PER A.A.S.H.T.O. T-180, METHOD "D" – IF EXISTING MATERIAL PROVIDES MINIMUM LBR OF 40, STABILIZATION IS NOT REQUIRED. EXTEND 12" BEYOND EDGE OF SURFACE COURSE OR BACK OF CURB, AS APPLICABLE (PER FDOT SPECS SECTION 160).

ALL DRIVEWAY AREAS SHALL BE DEMUCKED OR STABILIZED WITH GEOTEXTILE MATERIAL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, AND CITY SPECIFICATIONS AND REQUIREMENTS.



SWALE DETAIL

N.T.S.



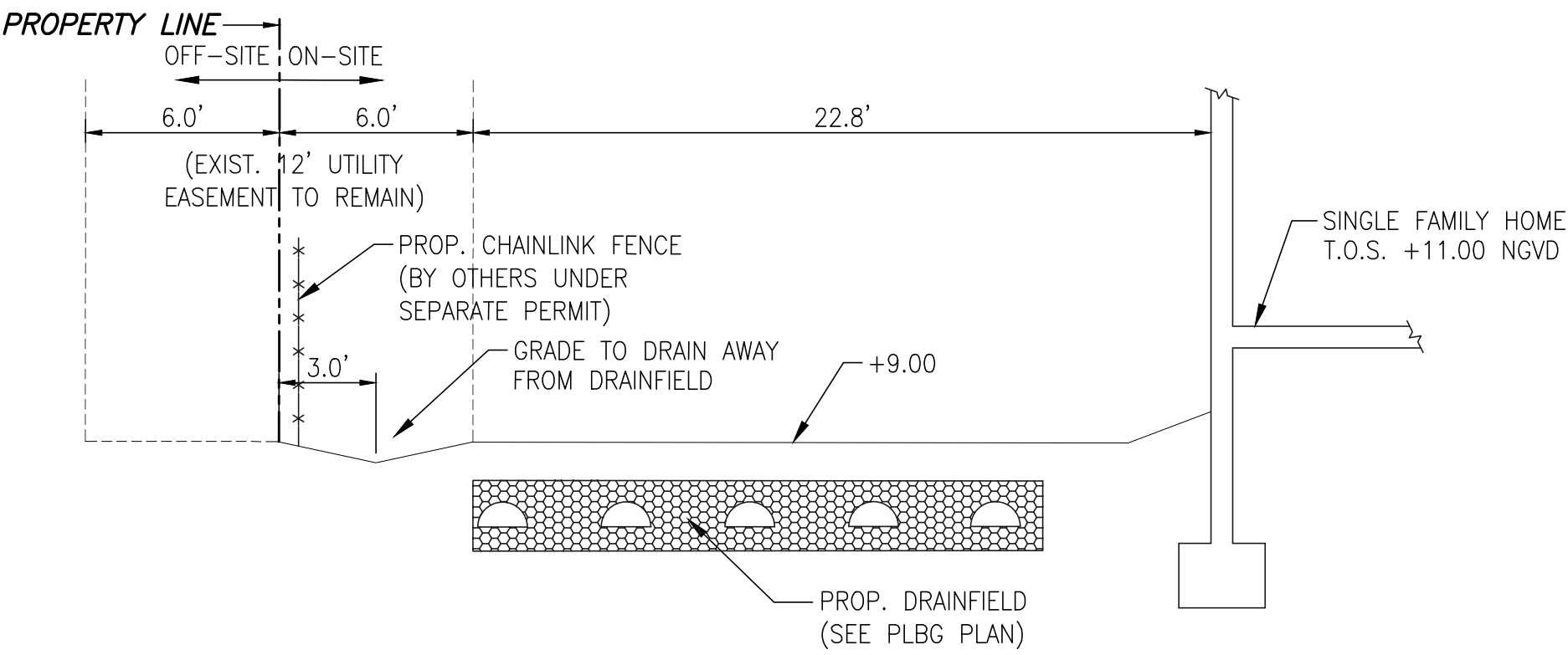
PERVIOUS PAVERS DETAIL

N.T.S.

NOTE:

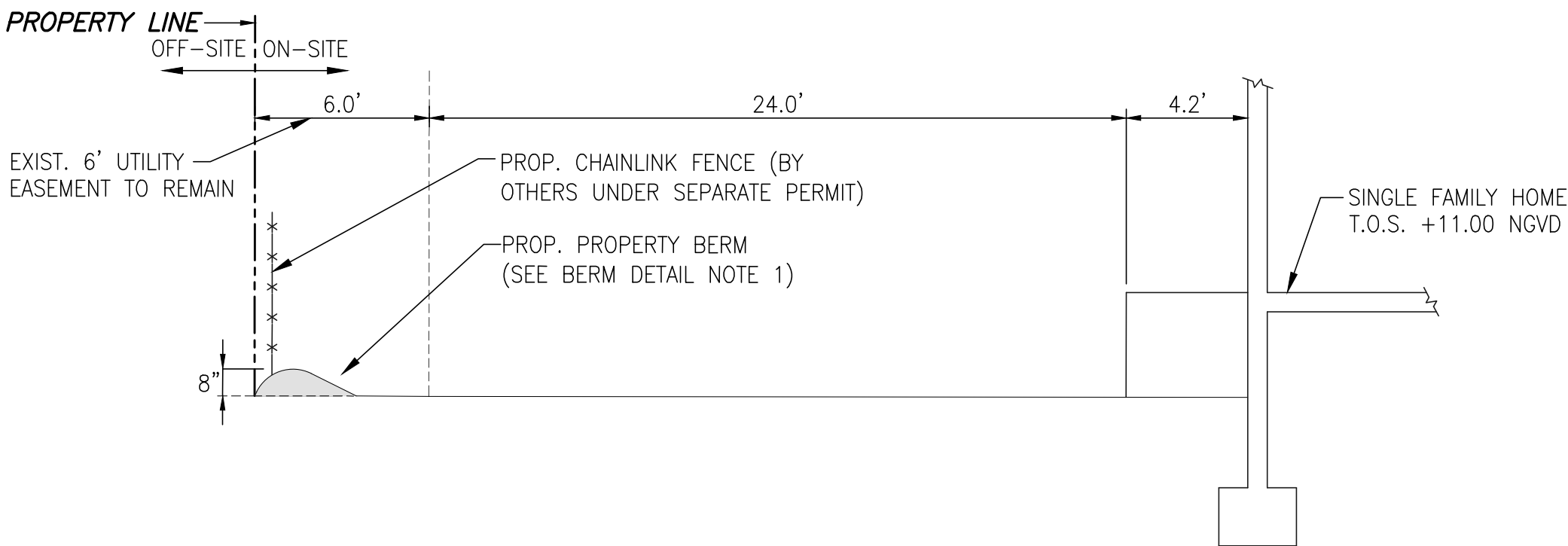
1- LEVELING BED TO BE 2" OF FDOT #8 COARSE AGGREGATE.

2- BASE TO BE 18" OF FDOT #5 COARSE AGGREGATE, COMPACTED TO 95% MAX. DENSITY AS DETERMINED BY AASHTO-T180.



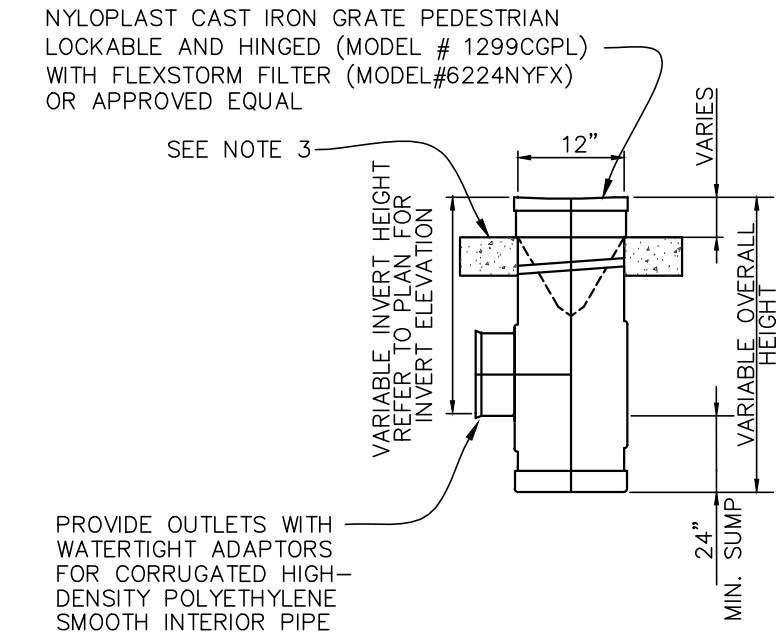
SECTION A-A

N.T.S.



SECTION C-C

N.T.S.



DRAIN BASIN DETAIL

N.T.S.

NOTE:

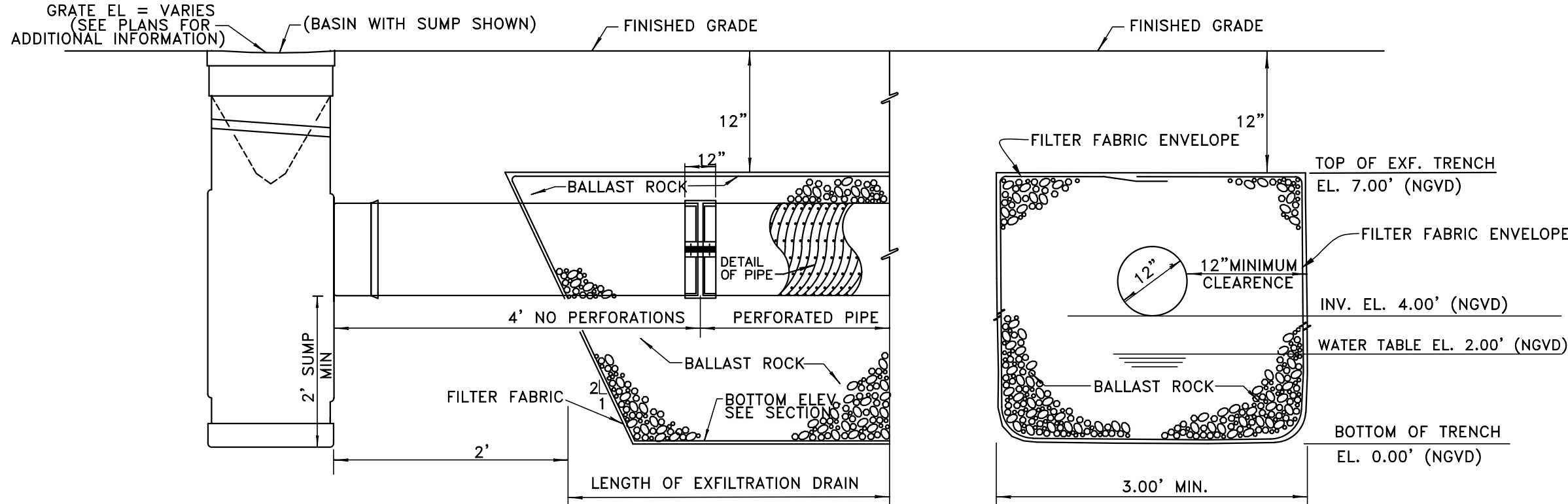
1- PROVIDE NYLOPLAST PVC DRAIN BASIN OR APPROVED EQUAL

2- ALL DRAIN BASINS WITH OPEN GRATES SHALL HAVE FLEXSTORM FILTERS TYPE FX-SS.

3- WHEN INSTALLED IN TRAFFIC OR PAVED AREAS, THE CONTRACTOR SHALL PROVIDE A 4'x4'x8" SLAB TO SUPPORT THE BASIN GRATE, AS PER MANUFACTURER'S INSTRUCTIONS.

4- ALL DRAIN BASINS GRATES SHALL BE HINGED WITH STANDARD LOCKING ASSEMBLY. FRAMES SHALL BE BOLTED TO THE BASIN BODY BY THE CONTRACTOR, IN THE FIELD.

5- ALL INLINE DRAIN GRATES SHALL HAVE LOCKING GRATE ASSEMBLY OR NYLOPLAST DROP-IN LOCKING KITS AS APPLICABLE.

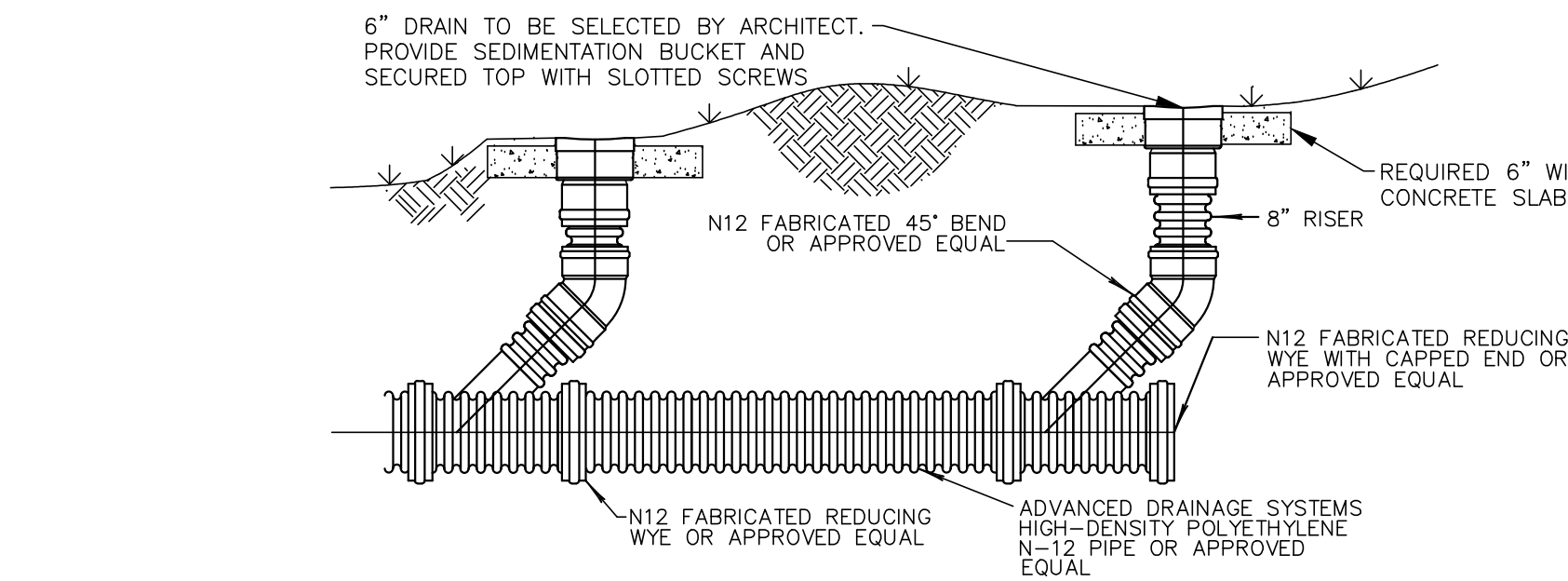


LOGITUDINAL SECTION

CROSS SECTION

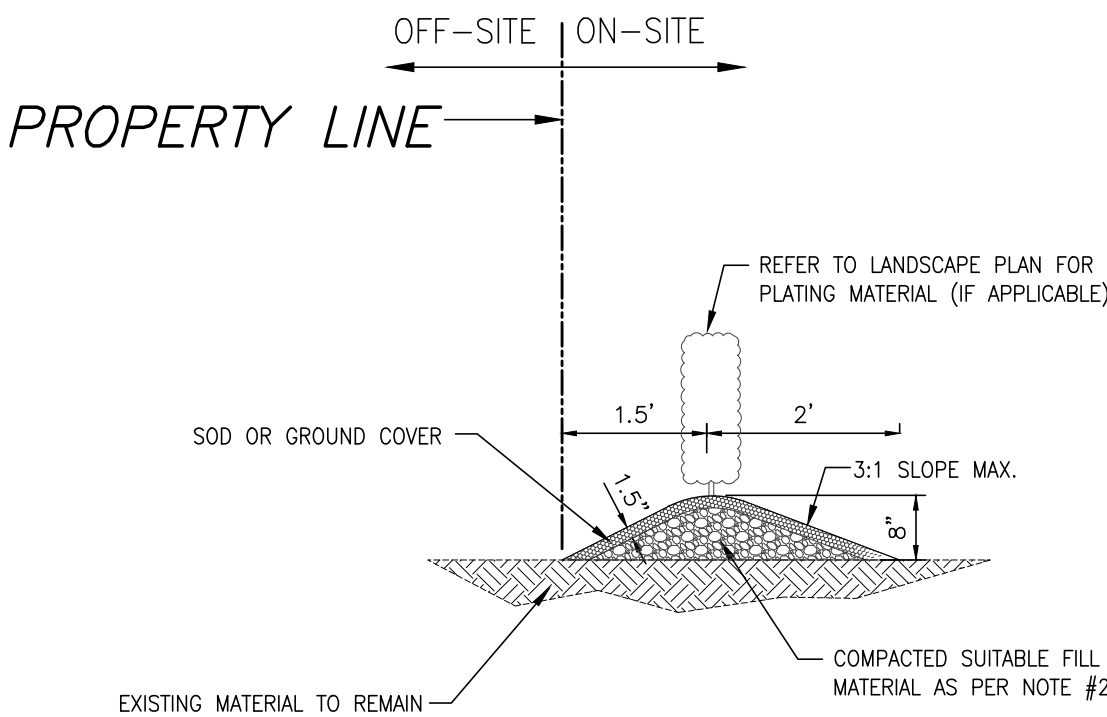
EXFILTRATION TRENCH DETAIL

N.T.S



INLINE DRAIN DETAIL

N.T.S.



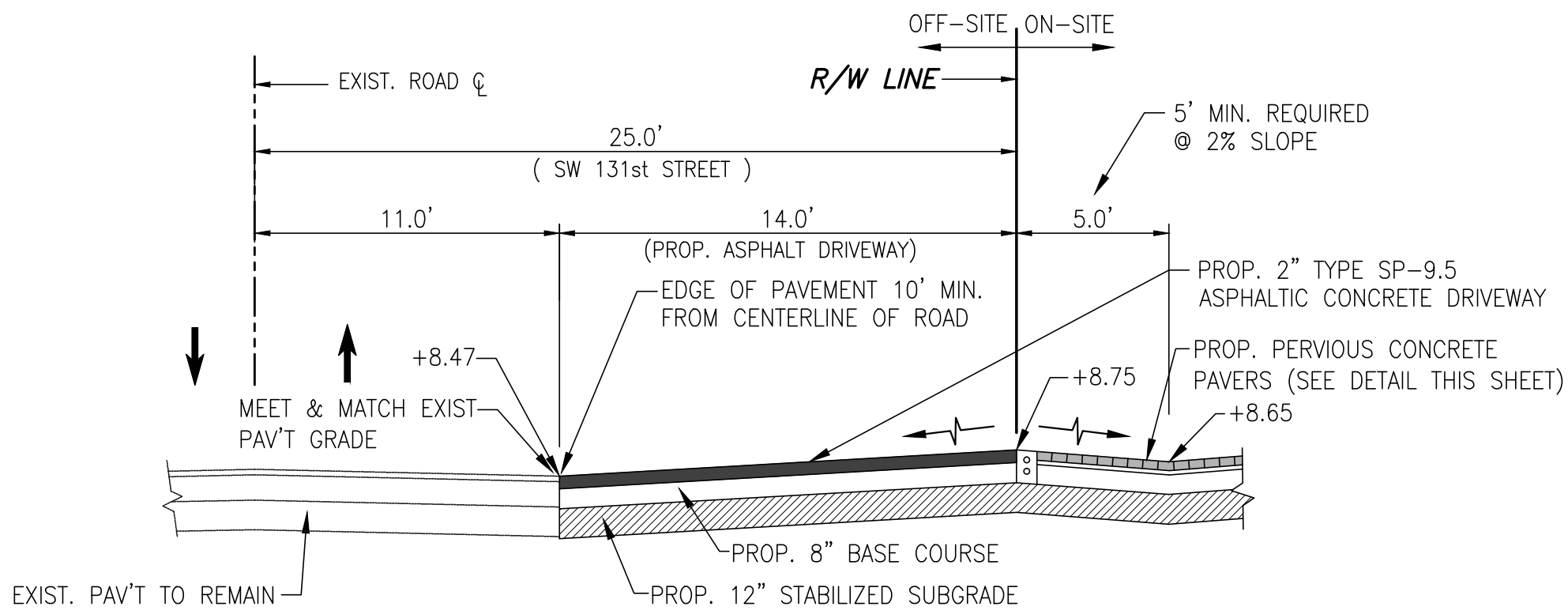
PROPERTY BERM DETAIL

N.T.S.

NOTES:

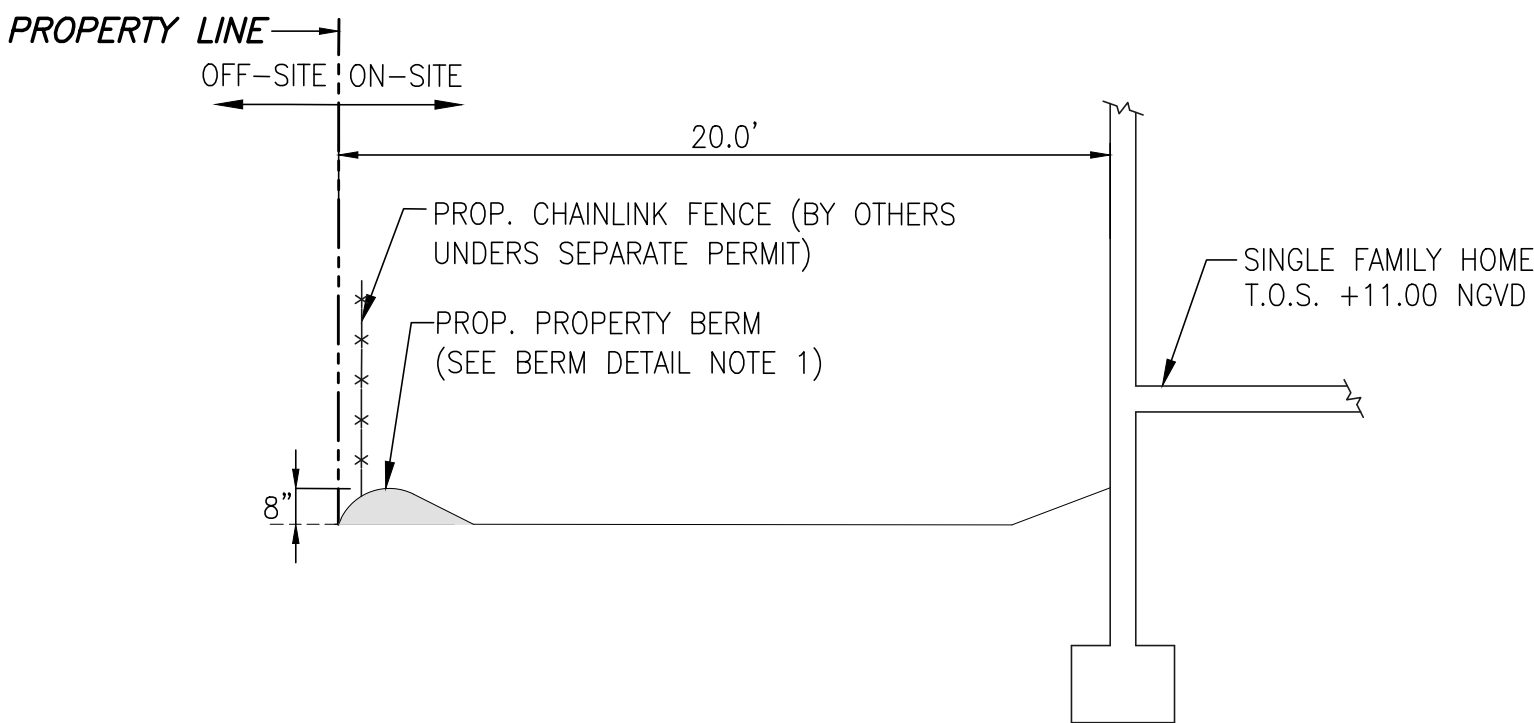
1- CONTRACTOR SHALL CONSTRUCT A BERM ALONG THE PROPERTY PERIMETER, AS SHOWN ON PLAN. THE BERM SHALL BE 8" HIGH MINIMUM.

2- SOIL USED TO CONSTRUCT BERM SHALL BE SUITABLE FILL MATERIAL OR A STRUCTURAL MIXTURE COMPRISED OF 60% NATIVE CRUSHED LIMESTONE AND 40% PLANTING SOIL. NO MUCK OR OPEN GRADE SILICA. BERM TO BE COMPACTED TO 80% DENSITY, AND SODDED OR STABILIZED IN AN APPROVED METHOD TO PREVENT EROSION.



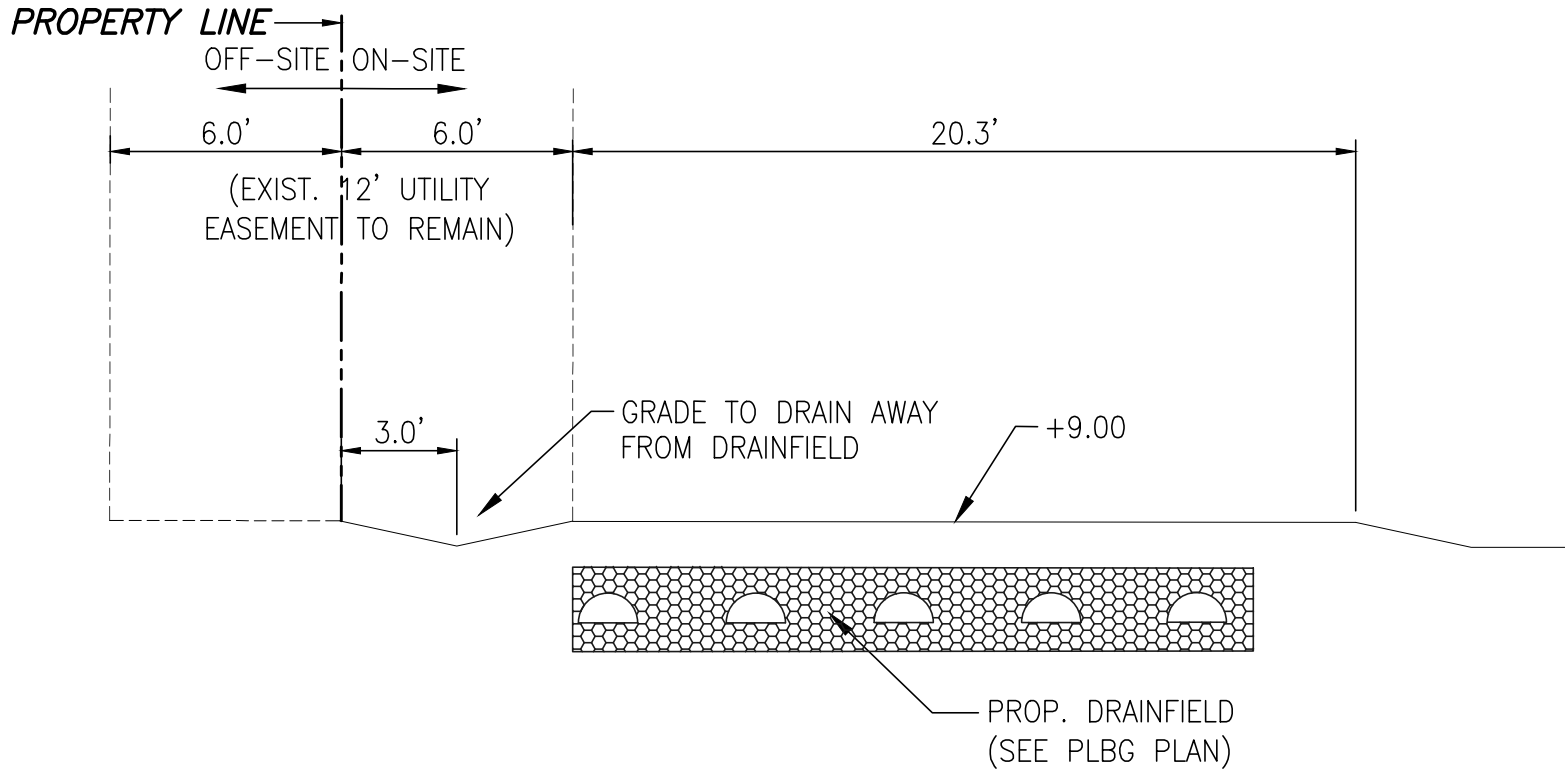
SECTION B-B

N.T.S.



SECTION D-D

N.T.S.



SECTION E-E

N.T.S.

FAO
ARCHITECTURE

407 LINDEN BLVD
SUITE 100
MIAMI BEACH, FLORIDA 33139
P 784-445-0000

100 PROJECT NO: 231226

CLIENT:
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1200 BISCAYNE BLVD.
MIAMI, FLORIDA 33181

REVISIONS:

CPE ENGINEERING GROUP, INC.
STRUCTURAL ENGINEER
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MIAMI SHORES, FLORIDA 33168

ARPE ENGINEERING, LLC
MEP ENGINEERING
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CORAL GABLES, FLORIDA 33134

ALL LANDSCAPE DATA, INC.
LANDSCAPE ARCHITECT
4450 NW 87TH COURT
DORAL, FLORIDA 33178

NEW LEAF ENVIRONMENTAL, LLC
ISA CERTIFIED ARBORIST
57 SILVER SPRINGS DRIVE
KEY LARGO, FLORIDA 33037

TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST., SUITE 404
MIAMI, FLORIDA 33134

PROJECT DESCRIPTION:
SINGLE FAMILY RESIDENCE

TERRA
CIVIL ENGINEERING

TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST.,
SUITE 404
MIAMI, FLORIDA 33134
CERT. OF AUTHORIZATION #27209

PRINTED COPIES OF THIS DOCUMENT ARE VOID
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SIGNATURE MUST BE VERIFIED ON ANY
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MARCO A. OSORIO
LICENSE
No. 44090
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

2024.06.04
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PHASE:
CONSTRUCTION DOCUMENTS

ISSUE DATE:
JUNE 4, 2024

SHEET TITLE:
GENERAL NOTES
& DETAILS

SHEET:
C-300