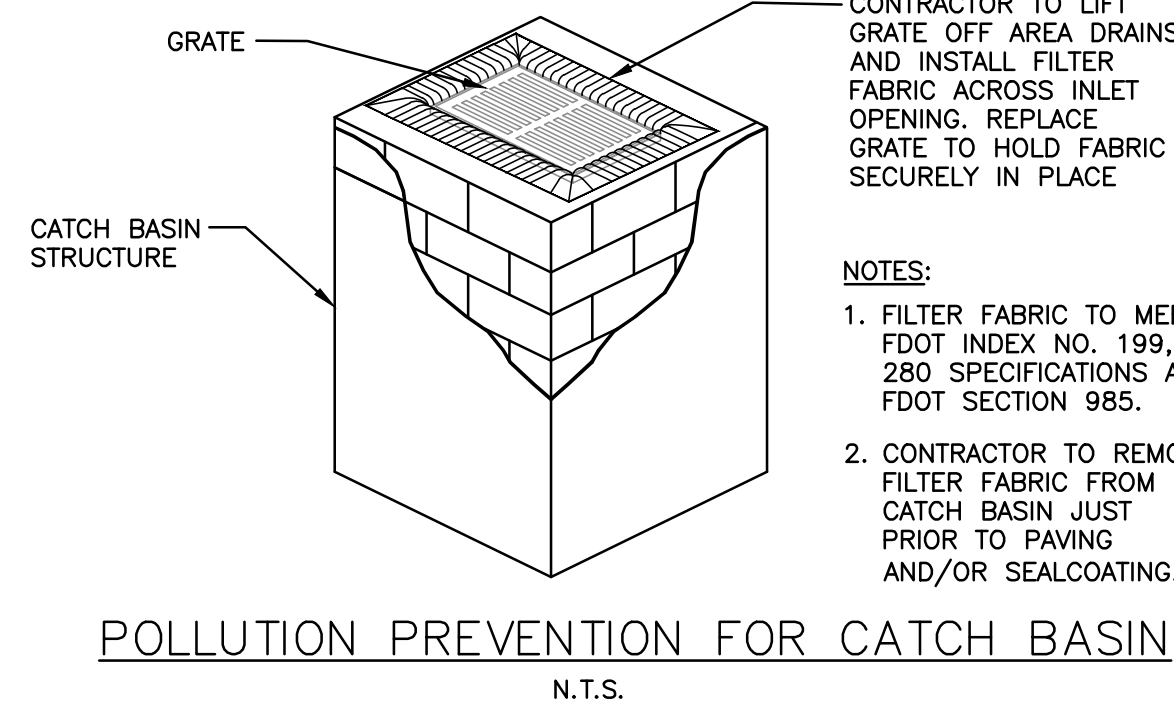
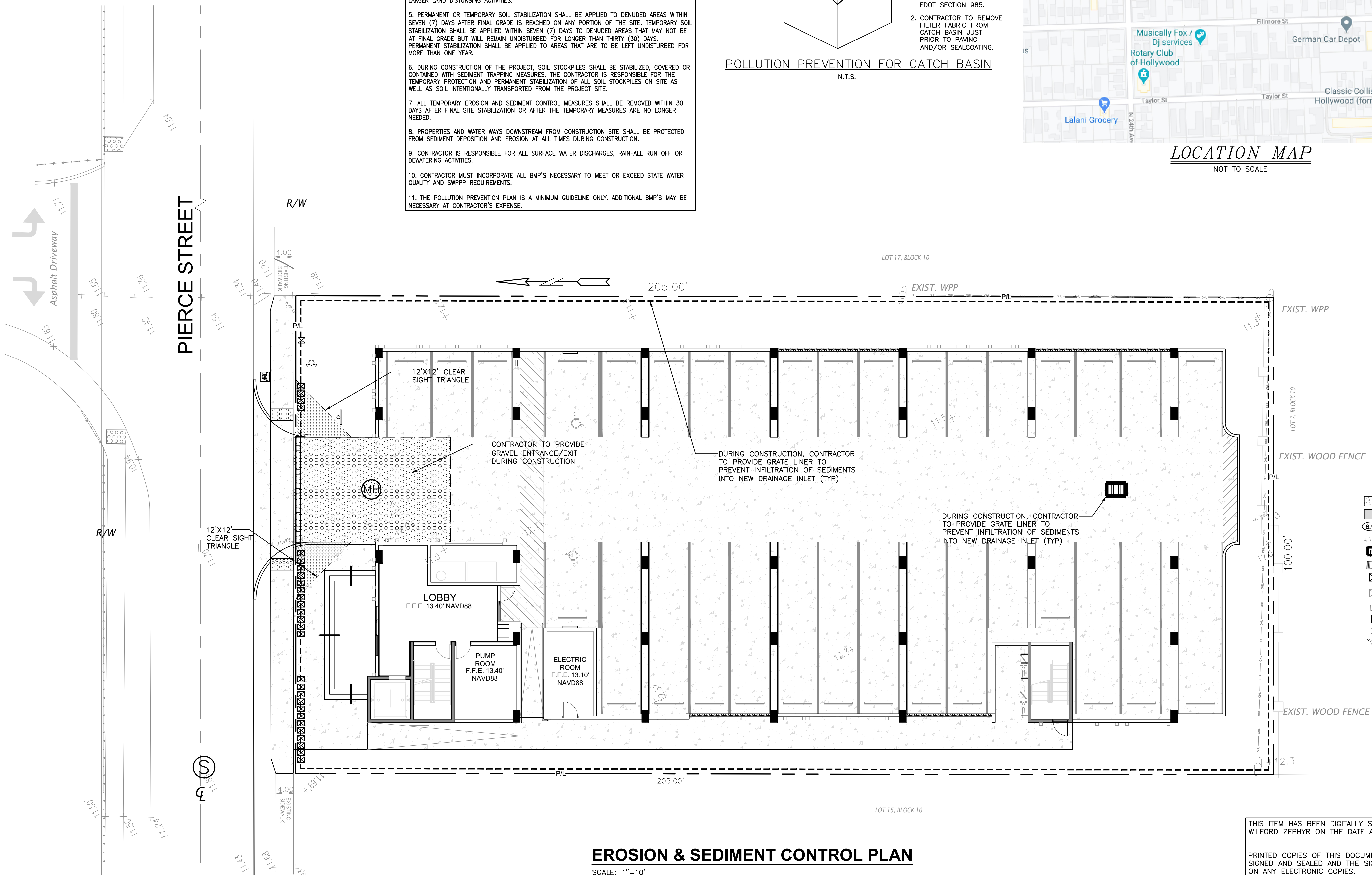
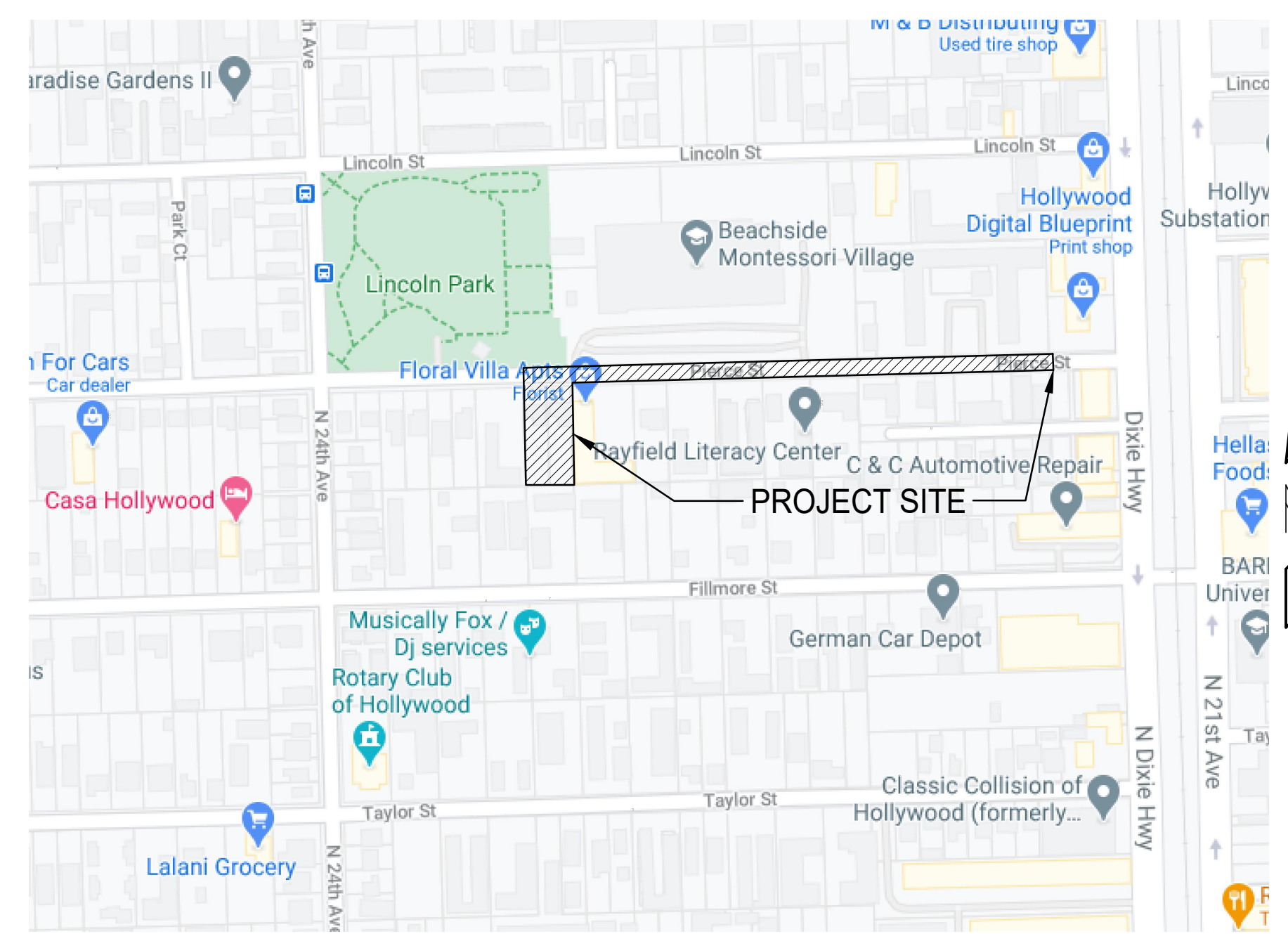


- BMP NOTES:**
1. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
 2. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
 3. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORMWATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
 4. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
 5. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN THIRTY (30) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
 6. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
 7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
 8. PROPERTIES AND WATER WAYS DOWNSTREAM FROM CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
 9. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
 10. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.
 11. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.



- NOTES:**
1. FILTER FABRIC TO MEET FDOT INDEX NO. 199, 280 SPECIFICATIONS AND FDOT SECTION 985.
 2. CONTRACTOR TO REMOVE FILTER FABRIC FROM CATCH BASIN JUST PRIOR TO PAVING AND/OR SEALCOATING.



- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED ASPHALT
 - PROPOSED GRADE
 - EXISTING ELEVATION
 - PROPOSED CATCH BASIN
 - EXISTING CATCH BASIN
 - PROPOSED WATER METER
 - EXISTING WATER METER
 - EXISTING WATER VALVE
 - PROPOSED BFP DEVICE
 - EXISTING SAN. SEWER MH
 - EXISTING FIRE HYDRANT



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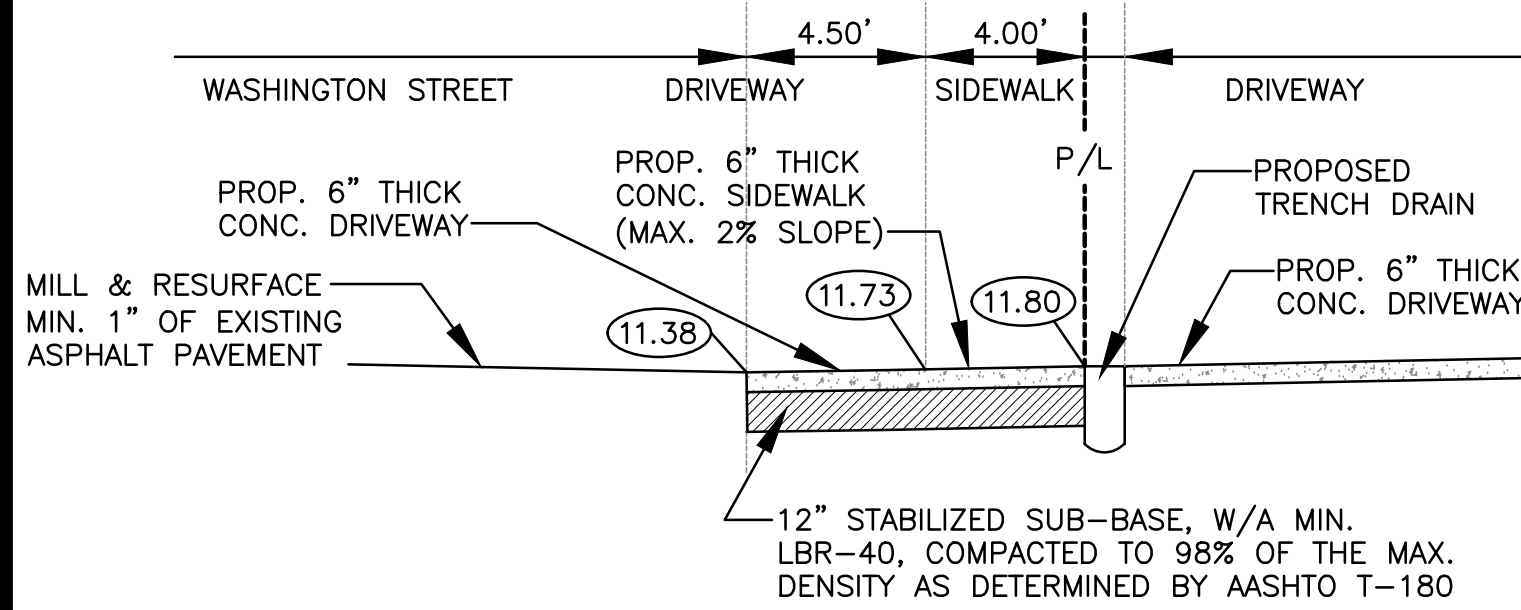
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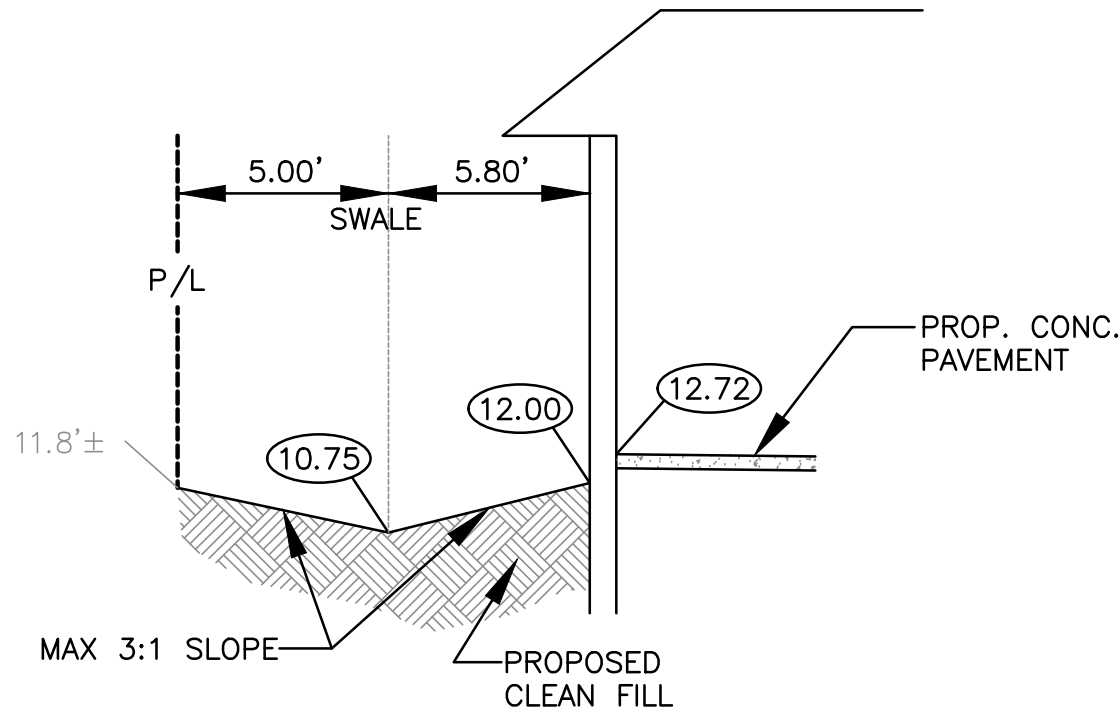
PIERCE APARTMENTS
2302-2306 PIERCE STREET
HOLLYWOOD, FL 33020

P.E.#: 76036
DATE: 11/11/20
SCALE: 1"=10'
SHEET NO.:
C1
1 OF 10
PROJECT NO.: 20-38

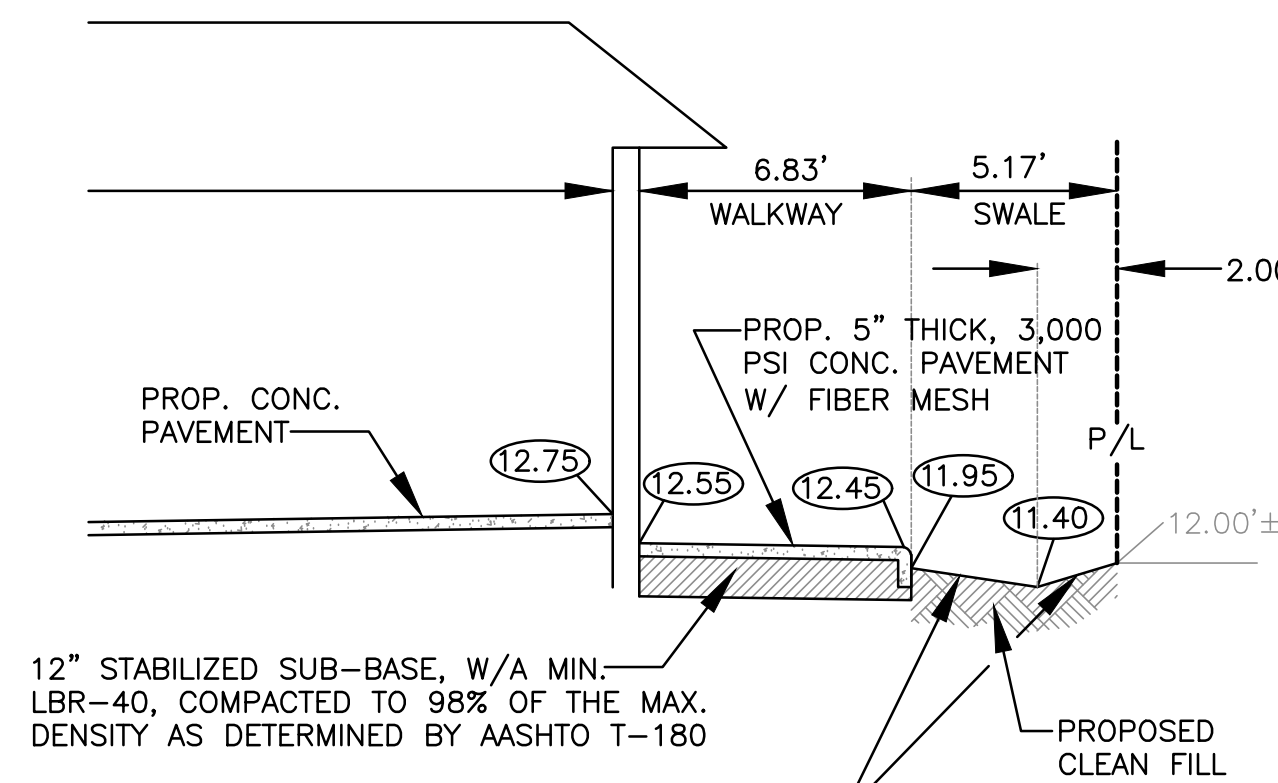
ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM



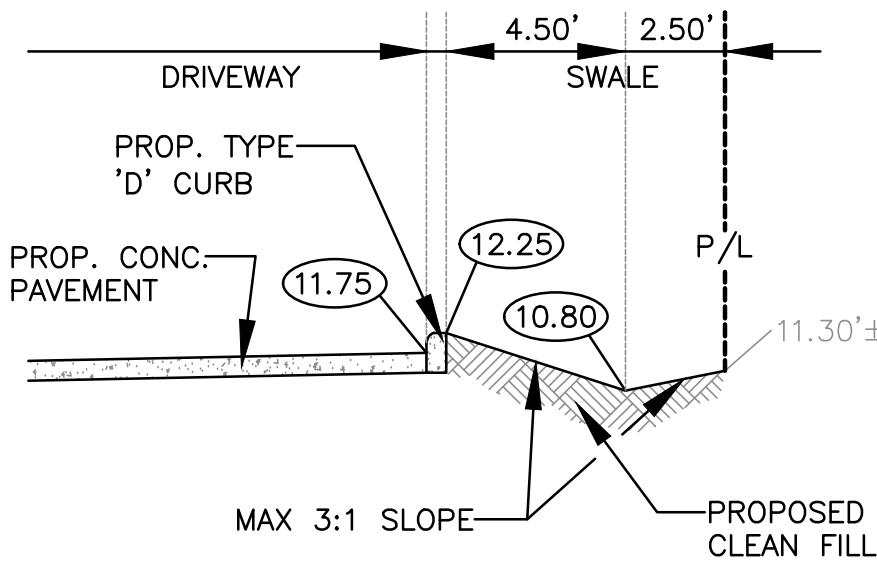
TYPICAL SECTION A-A
N.T.S.



TYPICAL SECTION B-B
N.T.S.



TYPICAL SECTION D-D
N.T.S.



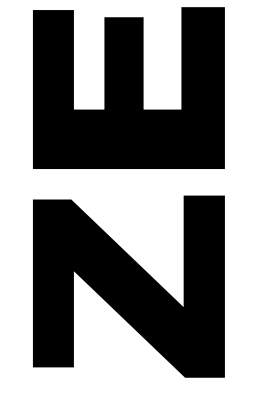
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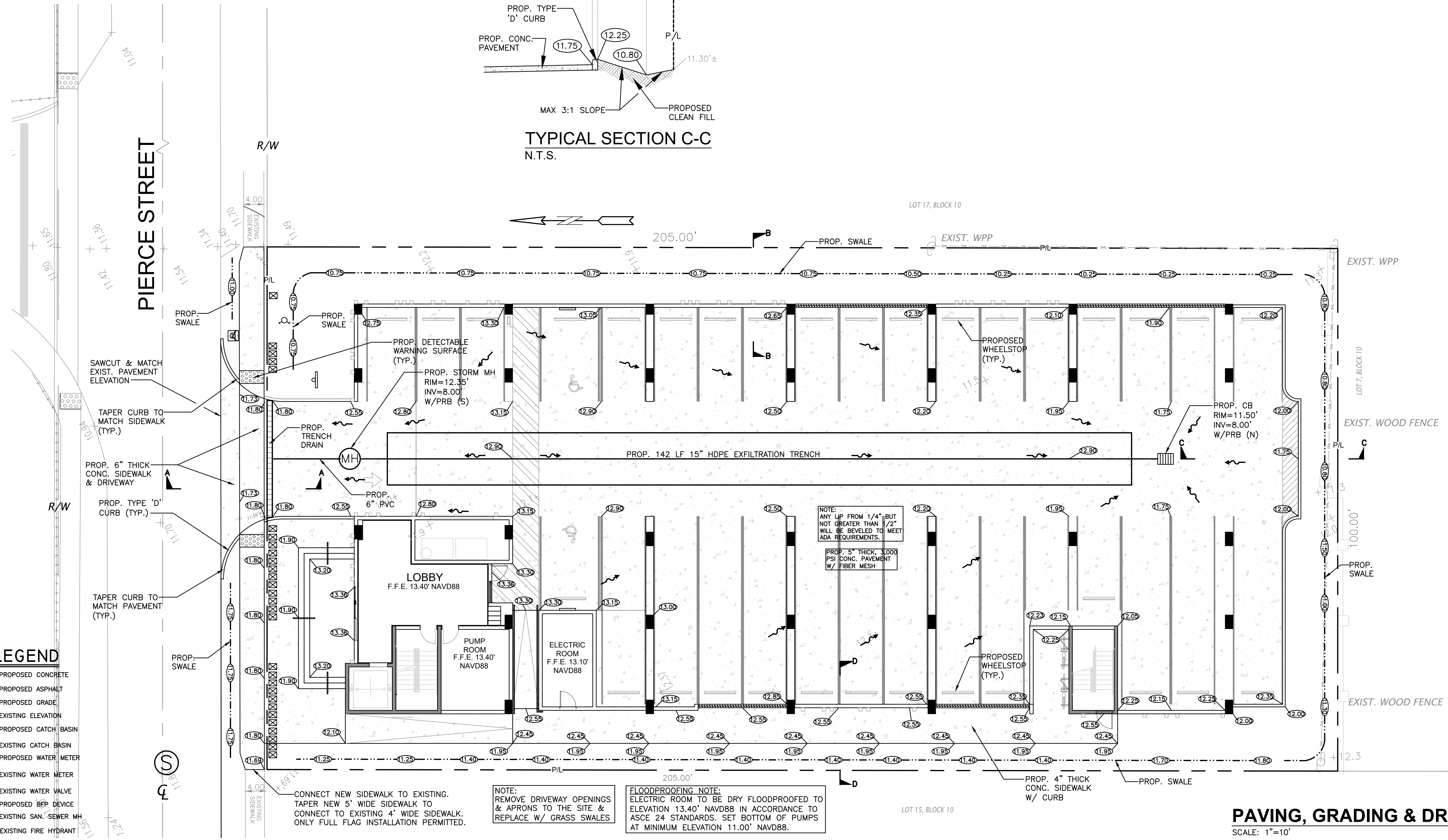
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1	4-27-21	TAC REVIEW		

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HOLLYWOOD, FL 33020

P.E.#:76036
DATE: 11/11/20
SCALE: 1"=10'
SHEET NO.: **C2**
2 OF 10
PROJECT NO.: 20-38



LEGEND

	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED GRADE
	EXISTING ELEVATION
	PROPOSED CATCH BASIN
	EXISTING CATCH BASIN
	PROPOSED WATER METER
	EXISTING WATER METER
	EXISTING WATER VALVE
	PROPOSED BFR DEVICE
	EXISTING SAN. SEWER MH
	EXISTING FIRE HYDRANT

CONNECT NEW SIDEWALK TO EXISTING. TAPER NEW 5' WIDE SIDEWALK TO CONNECT TO EXISTING 4' WIDE SIDEWALK. ONLY FULL FLAG INSTALLATION PERMITTED.

NOTE: REMOVE DRIVEWAY OPENINGS & APRONS TO THE SITE & REPLACE W/ GRASS SWALES

FLOODPROOFING NOTE: ELECTRIC ROOM TO BE DRY FLOODPROOFED TO ELEVATION 13.40' NAVD88 IN ACCORDANCE TO ASCE 24 STANDARDS. SET BOTTOM OF PUMPS AT MINIMUM ELEVATION 11.00' NAVD88.

NOTE: ANY LIP FROM 1/4" BUT NOT GREATER THAN 1/2" WILL BE BEVELLED TO MEET ADA REQUIREMENTS.

PROP. 5" THICK, 3,000 PSI CONC. PAVEMENT W/ FIBER MESH

PAVING, GRADING & DRAINAGE PLAN
SCALE: 1"=10'

GENERAL CONDITION NOTES :

- THE LOCATION OF EXISTING UTILITIES AND TOPOGRAPHY HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO NOTIFY THE FOLLOWING COMPANIES & AGENCIES AND ANY OTHERS SERVING THE AREA:
 FLORIDA POWER & LIGHT CO., CONSTRUCTION BELLSOUTH COMCAST TECO LOCAL CITY / COUNTY ENGINEERING & UTILITY DEPARTMENTS FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AS APPLICABLE UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA (S.U.N.S.H.I.N.E.)

PAVING, GRADING & DRAINAGE NOTES:

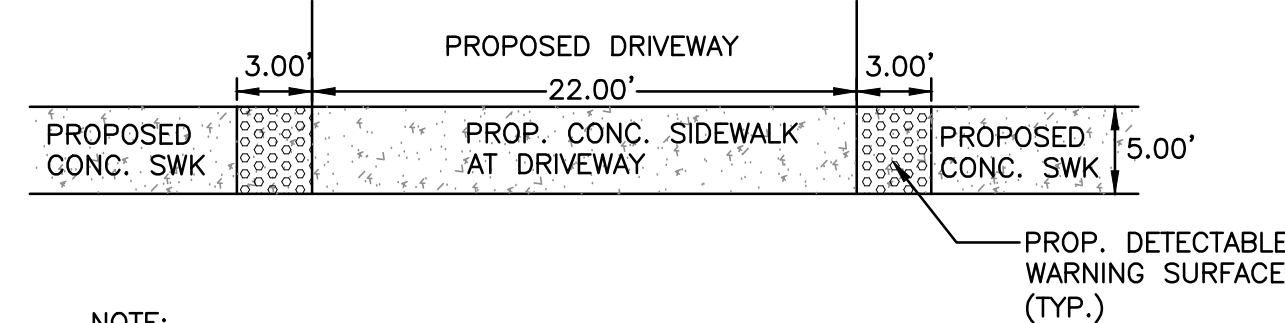
- ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL & OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD & PARKING LOT AREAS SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, & REPLACED W/ THE SPECIFIED FILL MATERIAL IN MAXIMUM 12" LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE W/ AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT & METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.
- ALL AREAS SHALL BE CLEARED & GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL & DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH & ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXIST. GROUND TO A DEPTH OF 12". ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR ADJUSTED SHALL BE SO DESIGNATED ON THE DWGS.
- FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3 OR A-2.4 IN ACCORDANCE W/ AASHTO M-145 & SHALL BE FREE FROM VEGETATION & ORGANIC MATERIAL. NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENG. TEST RESULTS MUST INCLUDE BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE & LIME ROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONC. CYLINDERS, ETC...
- ALL INLETS & PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS & PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM TO BE CLEAN OF DEBRIS PRIOR TO FINAL ACCEPTANCE.
- WHERE NEW ASPHALT MEETS OR ABUTS EXIST. ASPHALT, THE EXIST. ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL ALSO BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.
- ALL PROPOSED GRADES (ELEVATIONS) REFER TO ASPHALT GRADES UNLESS INDICATED OTHERWISE.
- SITE GRADING SHALL BE W/IN 0.1' OF THE REQUIRED ELEVATION & ALL AREAS SHALL BE GRADED TO DRAIN.
- ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE NOTED & SHALL BE COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-99.
- ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 & HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM & MAGNESIUM UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.
- CONCRETE & ASPHALT THICKNESS SHALL BE OF TYPE DESIGNATED ON DWGS. (SEE SECTIONS)
- PLASTIC FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.
- CONC. SIDEWALKS SHALL BE 4" THICK ON COMPACTED SUBGRADE, W/ 1/2" EXPANSION JOINTS PLACED AT A MAXIMUM OF 75'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS SPECIFIED OTHERWISE BY LOCAL CODES OR INDICATED ON DWGS. ALL CONC. SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6" THICK.
- PIPE SPECIFICATIONS : THE MATERIAL TYPE IS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING DESIGNATIONS -
 RCP = REINFORCED CONC. PIPE, ASTM DESIGNATION C-76, TABLE III
 CMP = CORRUGATED METAL (ALUM.) PIPE, TM DESIGNATION M-196
 CMP = (SMOOTH LINED) CORRUGATED METAL (ALUM.) PIPE, ASTM DESIGNATION M-196
 SCP = SLOTTED CONC. PIPE, FDOT SECTIONS 941 & 942
 PVC = POLYVINYLCHLORIDE PIPE
 POMP = PERFORATED CMP, FDOT SECTION 945
 DIP = DUCTILE IRON PIPE
 HDPE = HIGH DENSITY POLYETHYLENE PIPE.

- ASPHALT -
 BITUMINOUS MATERIAL SHALL BE ASPHALT CEMENT, VISCOSITY GRADE AC-20, CONFORMING TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, 1986 EDITION, SECTION 916-1.
 PRIME COAT SHALL BE CUT BACK ASPHALT, GRADE RC-70 OR RC-250 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-81-75 (1982). RATE - 0.10 GALS./S.Y. TACK COAT SHALL BE EMULSIFIED ASPHALT, GRADE RS-2 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-140-82. RATE - 0.02 TO 0.08 GALS./S.Y.

DESIGN MIX SHALL CONFORM TO FDOT SECTION 331 UNLESS OTHERWISE SPECIFIED.

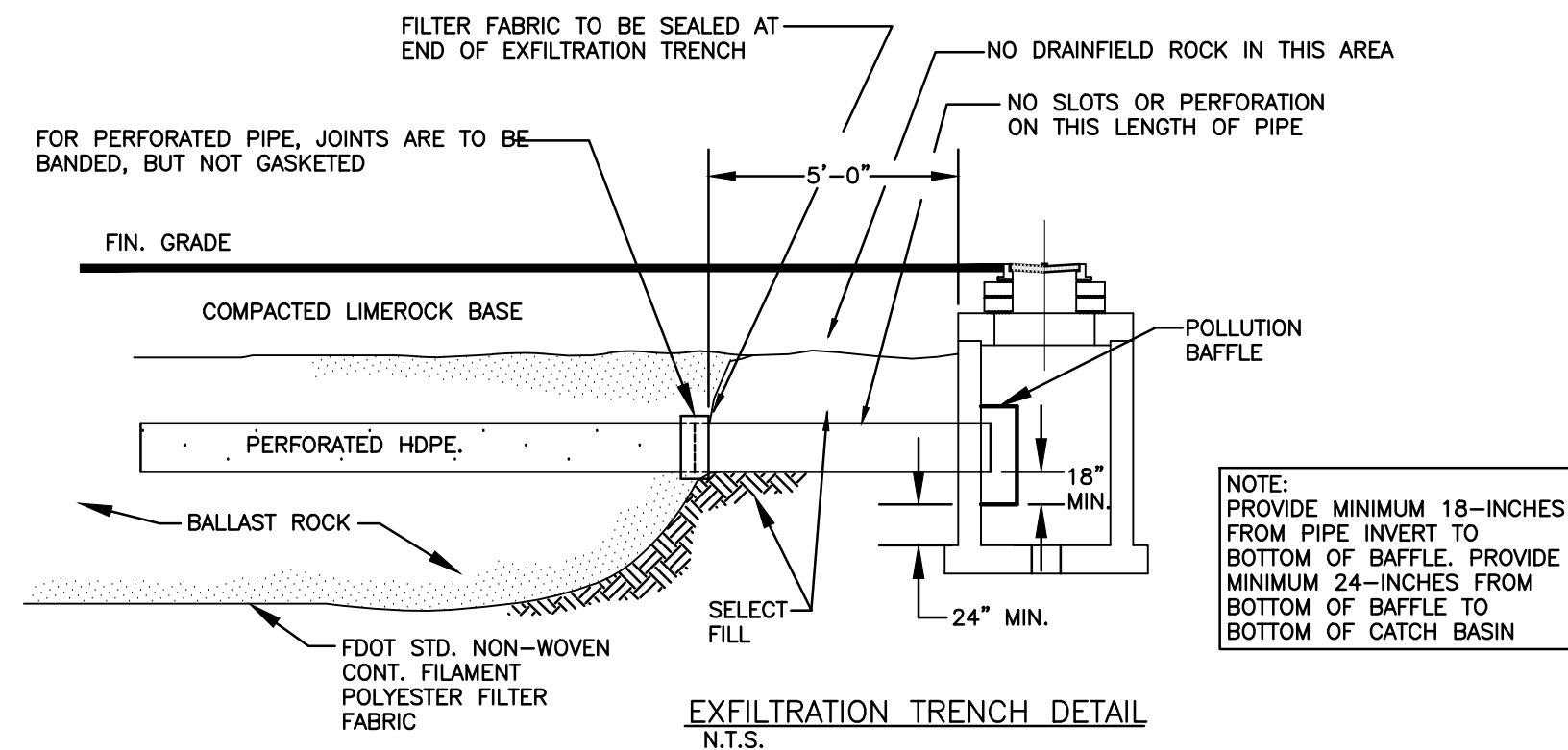
PAVEMENT MARKING & SIGNING STANDARD NOTES :

- STOP SIGNS SHALL BE 30"x30" (R1-1), HIGH INTENSITY.
- ALL SIGNS SHALL BE PLACED AT A HEIGHT NOT LESS THAN 5' & NOT GREATER THAN 7'. THE HEIGHT IS MEASURED FROM THE BOTTOM OF THE SIGN TO THE EDGE OF NEAREST PAVEMENT. THE SIGN POST SHALL BE PLACED A MINIMUM OF 6" TO A MAXIMUM OF 12" FROM THE ADJACENT PAVEMENT, & A MINIMUM OF 6" FROM THE CROSS TRAFFIC PAVEMENT.
- STOP BARS SHALL BE 24" WHITE.
- ALL SITE PAVEMENT MARKINGS SHALL BE PAINT. (UNLESS INDICATED OTHERWISE)
- ALL PAVEMENT MARKINGS AND SIGNAGE IN THE ROAD RIGHT-OF-WAY SHALL BE THERMOPLASTIC & SHALL CONFORM TO MUTCD AND PBC TYPICAL T-P-06-001.

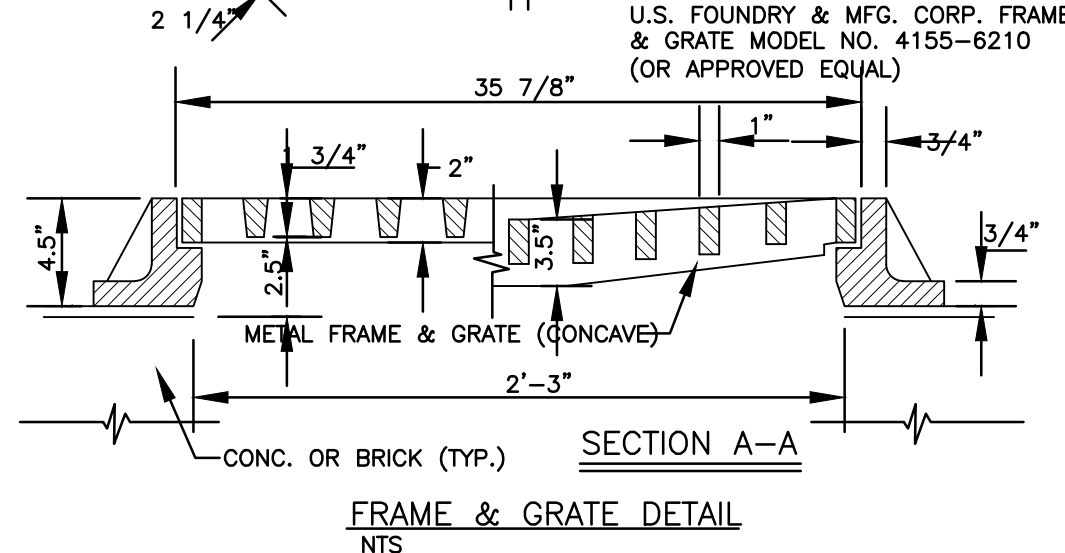
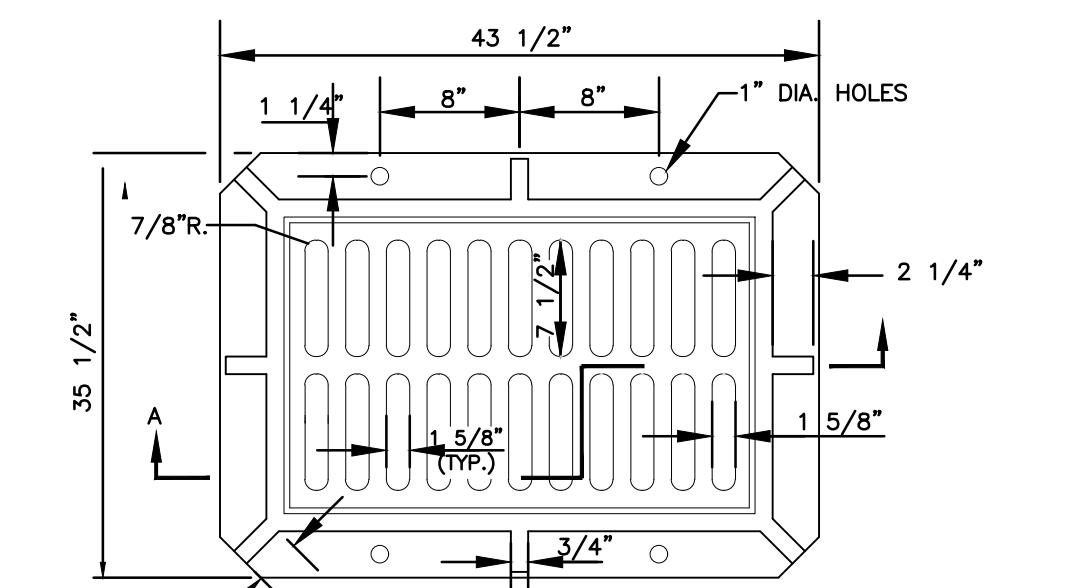
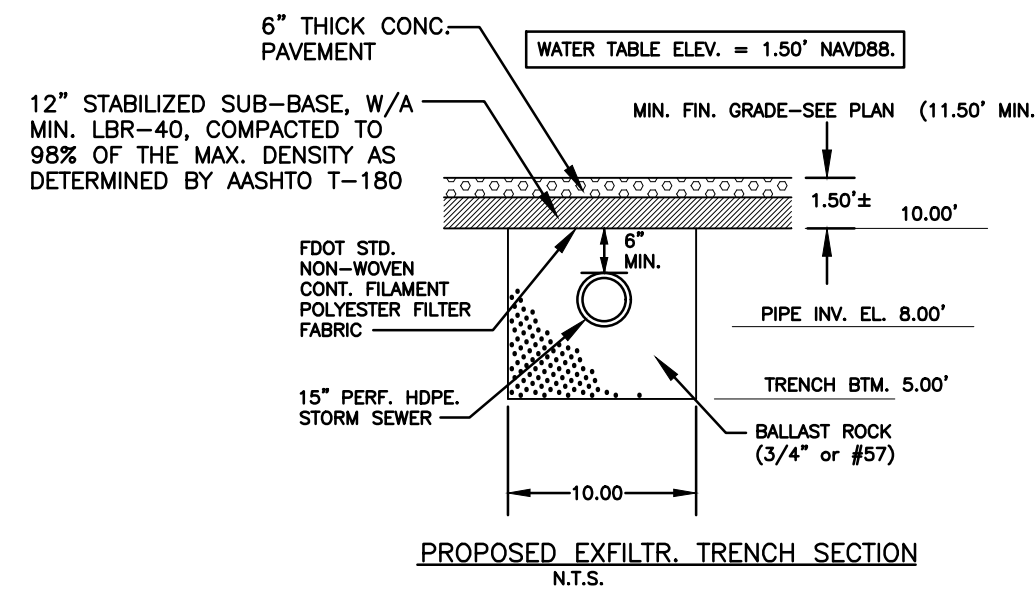


NOTE:
 DETECTABLE WARNING SURFACE, PER FDOT INDEX 304, SHALL EXTEND FULL WIDTH OF SIDEWALK AND IN THE DIRECTION OF TRAVEL, 36" FROM EDGE OF DRIVEWAY. THE DETECTABLE WARNING SURFACE SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.

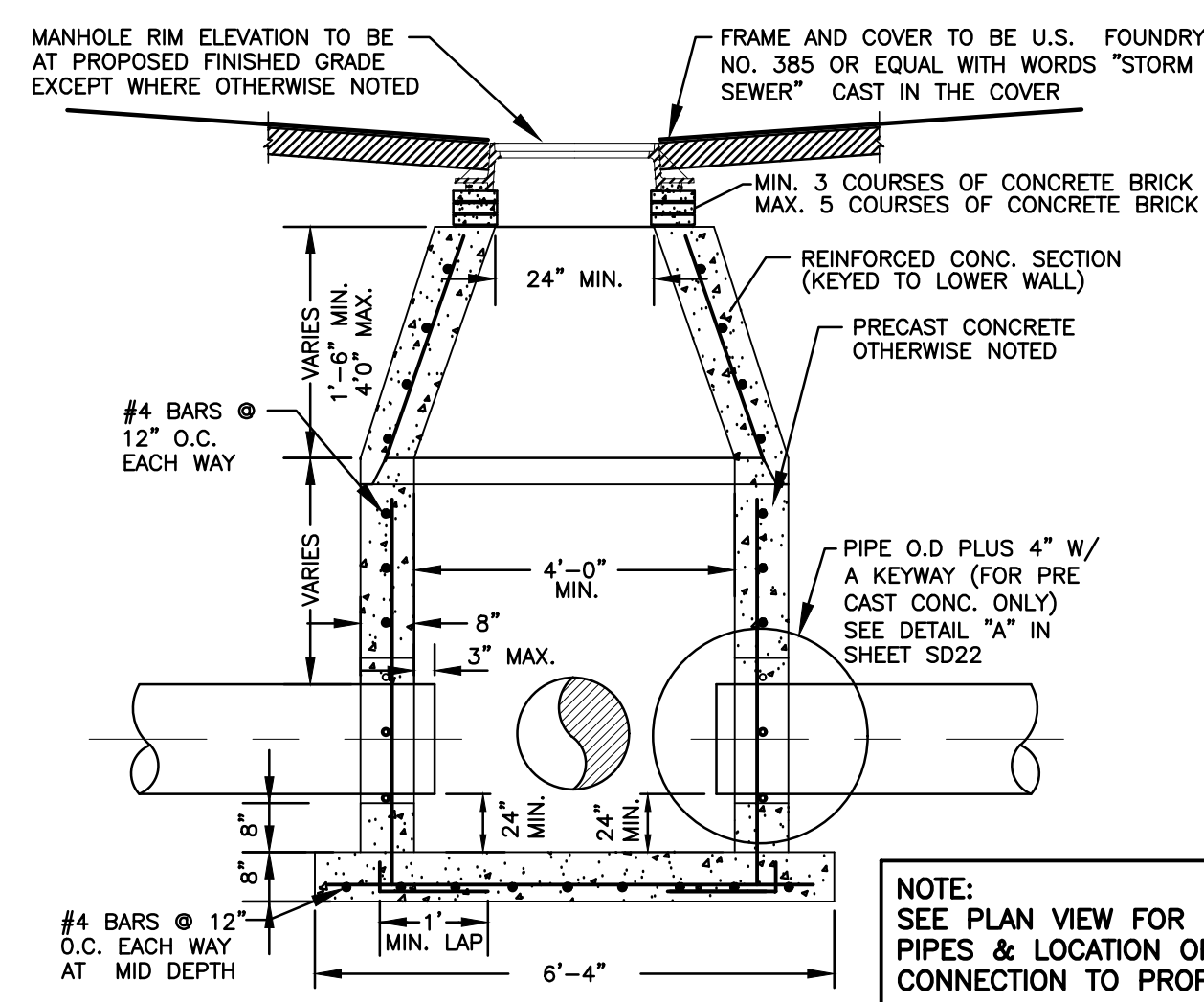
DETECTABLE WARNING SURFACE DETAIL
 NTS



NOTE:
 PROVIDE MINIMUM 18-INCHES FROM PIPE INVERT TO BOTTOM OF BAFFLE. PROVIDE MINIMUM 24-INCHES FROM BOTTOM OF BAFFLE TO BOTTOM OF CATCH BASIN



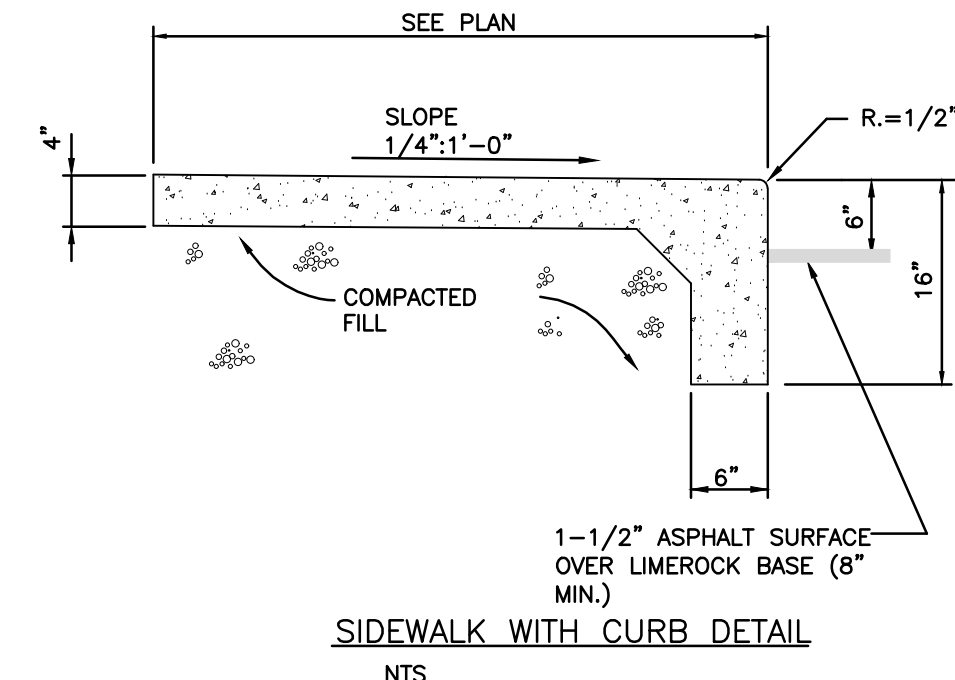
FRAME & GRATE DETAIL
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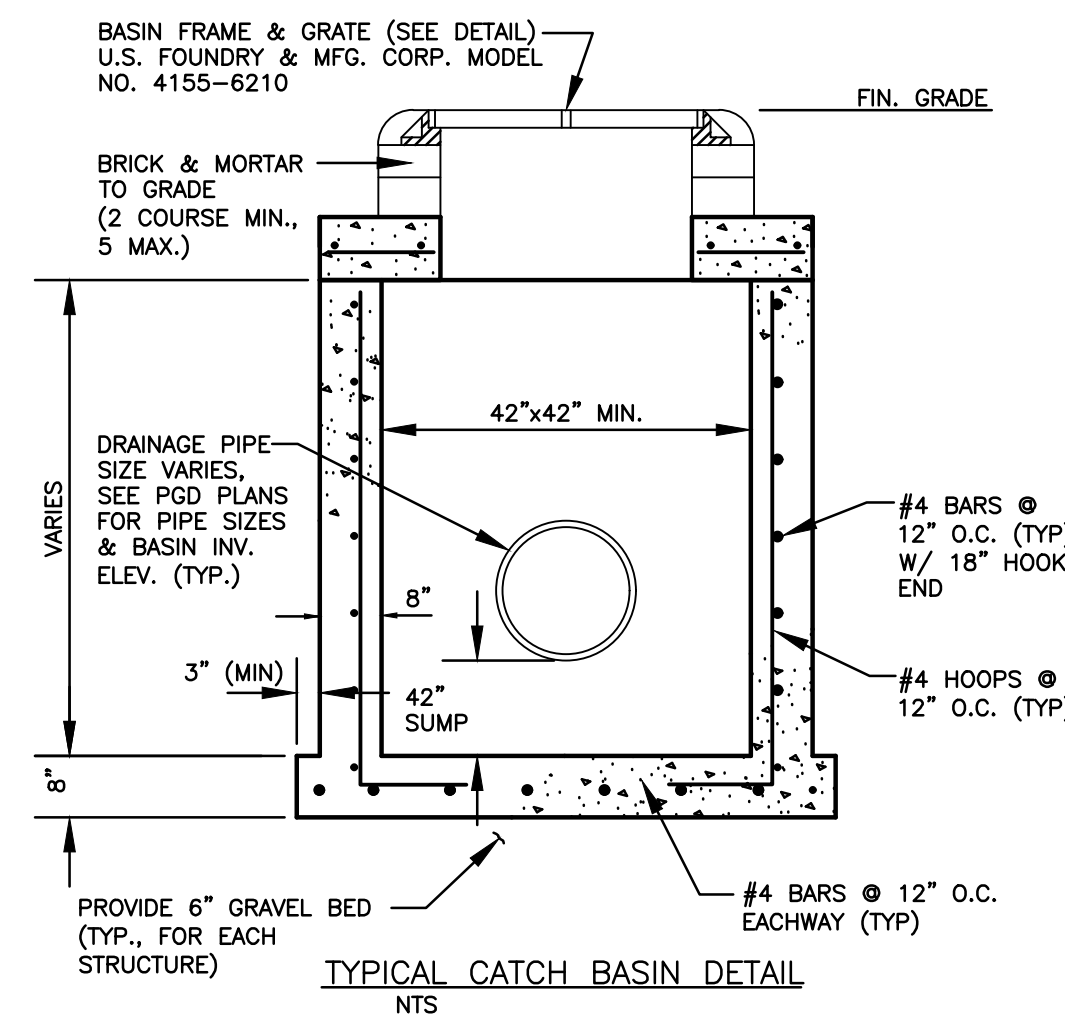
NOTE:
 SEE PLAN VIEW FOR NUMBER OF PIPES & LOCATION OF PIPES CONNECTION TO PROPOSED MANHOLE.

- GENERAL DETAILS:**
- PROVIDE SHOP DRAWINGS OF STRUCTURES.
 - PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478, SHALL BE TYPE II ACID RESISTANT CEMENT AND SHALL MAINTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
 - REFER TO FDOT INDEX 200 FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
 - ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60, ALL COVER SHALL BE 3 INCHES MINIMUM.
 - ALL OPENINGS SHALL BE SEALED WITH ELASTOMETIC GROUT (TYPE 3 CEMENT) SEE DETAIL "A", IN SHEET SD22.

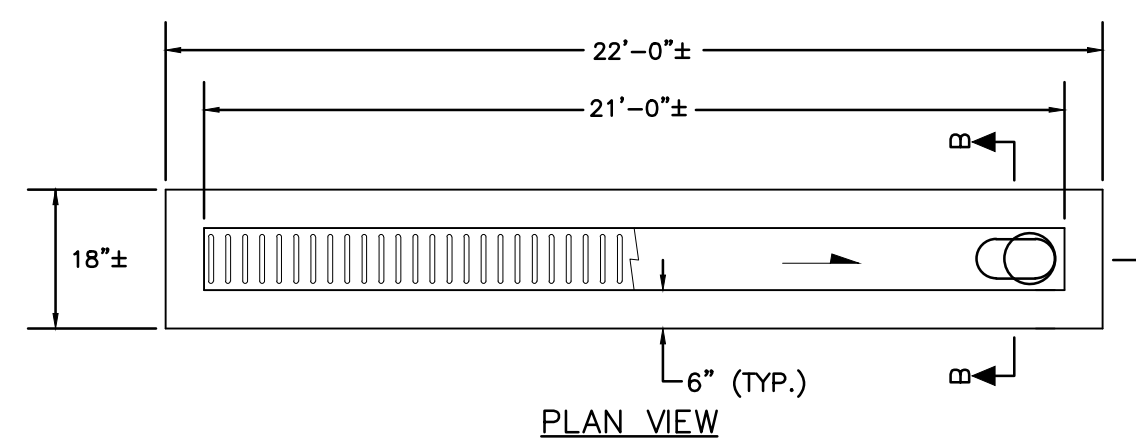
CONCENTRIC PRECAST DRAINAGE MANHOLE (4'-0" MIN. DIA.) DETAIL
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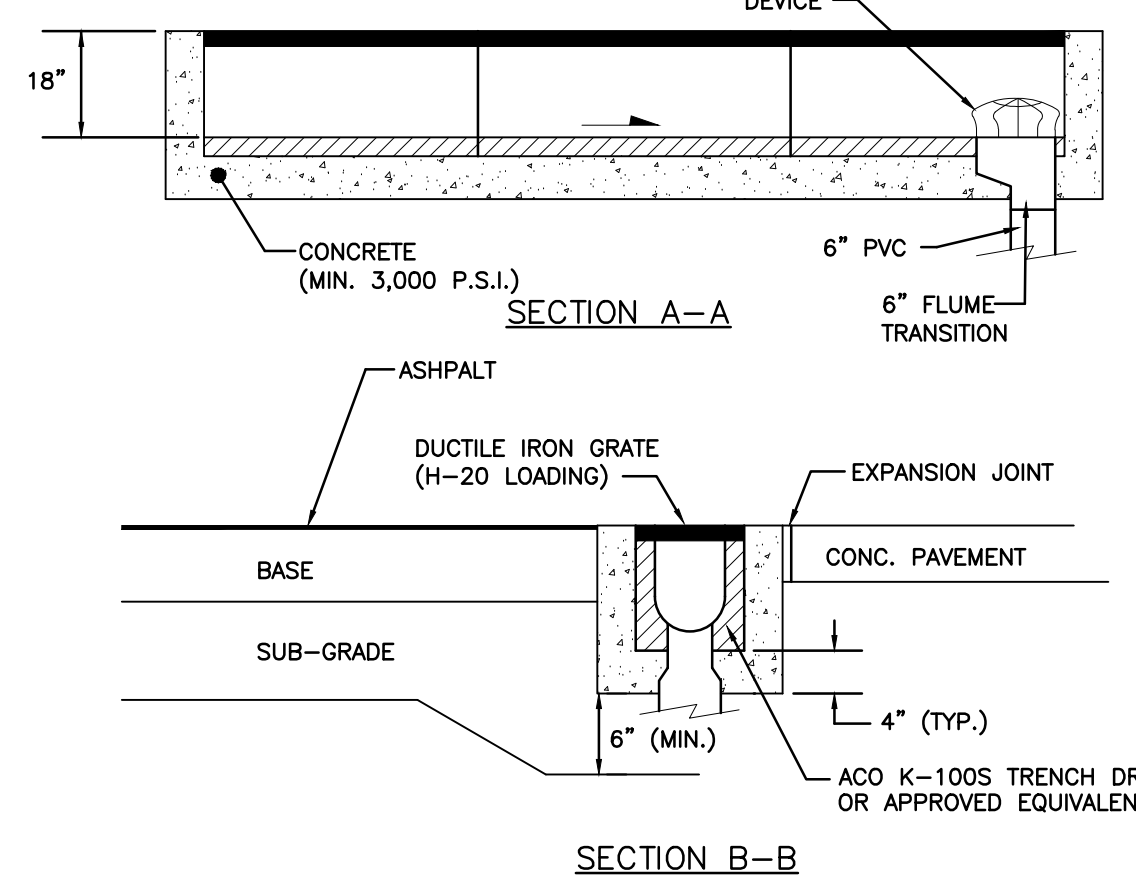
SIDEWALK WITH CURB DETAIL
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TYPICAL CATCH BASIN DETAIL
 NTS



PLAN VIEW



SECTION B-B

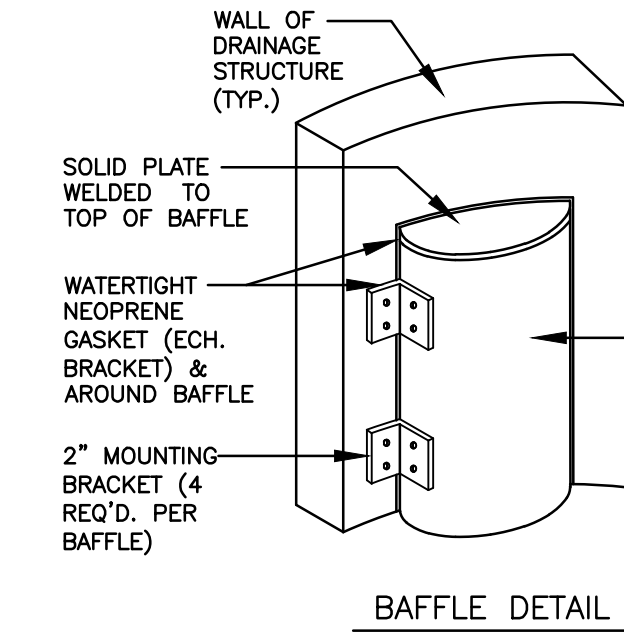
- NOTES:**
- SUBGRADE SHALL BE COMPACTED TO 95% MOD. PROCTOR DENSITY (AASHTO T-180)
 - CONNECT TRENCH DRAIN TO OUTFALL PIPE IN ACCORDANCE WITH:
 ALTERNATIVE-A: FOR A TERMINAL CONNECTION USE ONE (1) 90° ELBOW.
 ALTERNATIVE-B: FOR AN IN-LINE CONNECTION USE ONE (1) 45° ELBOW AND ONE (1) WYE.

TRENCH DRAIN DETAIL
 NTS

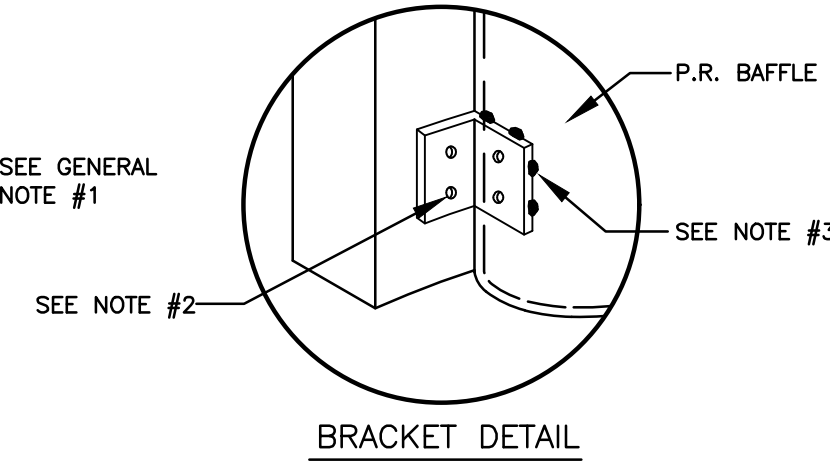
ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM

GENERAL NOTES :

- BAFFLE TO BE SECTION OF CMP CUT IN HALF. CMP PIPE FOR BAFFLE SHALL BE THE NEXT LARGER PIPE SIZE THAN DISCHARGE LINE.
- 1/2" GALV. LAG BOLT IN LEAD SHIELD (TYP.).
- WELD, OR 2 1/2" S.S. THRU BOLTS
- GRATING SHALL BE OFFSET IF STRUCTURE IS USED AS OVERFLOW.

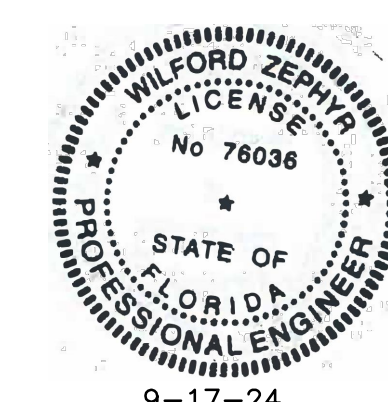


BAFFLE DETAIL



BRACKET DETAIL

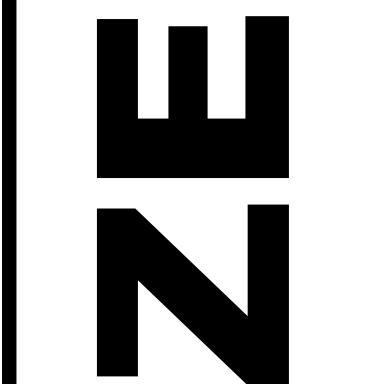
POLLUTION RETARDANT BAFFLE DETAIL
 NTS



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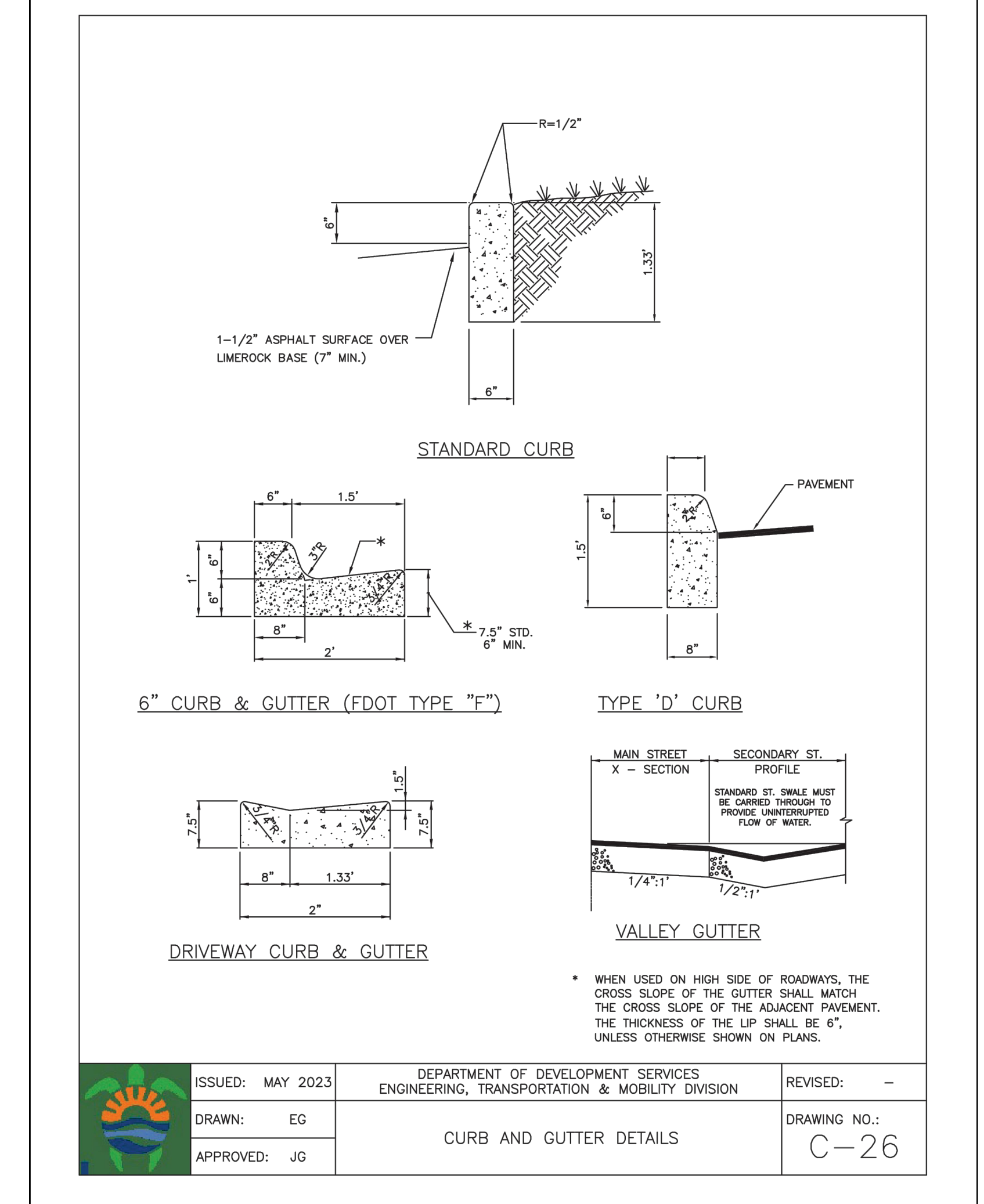
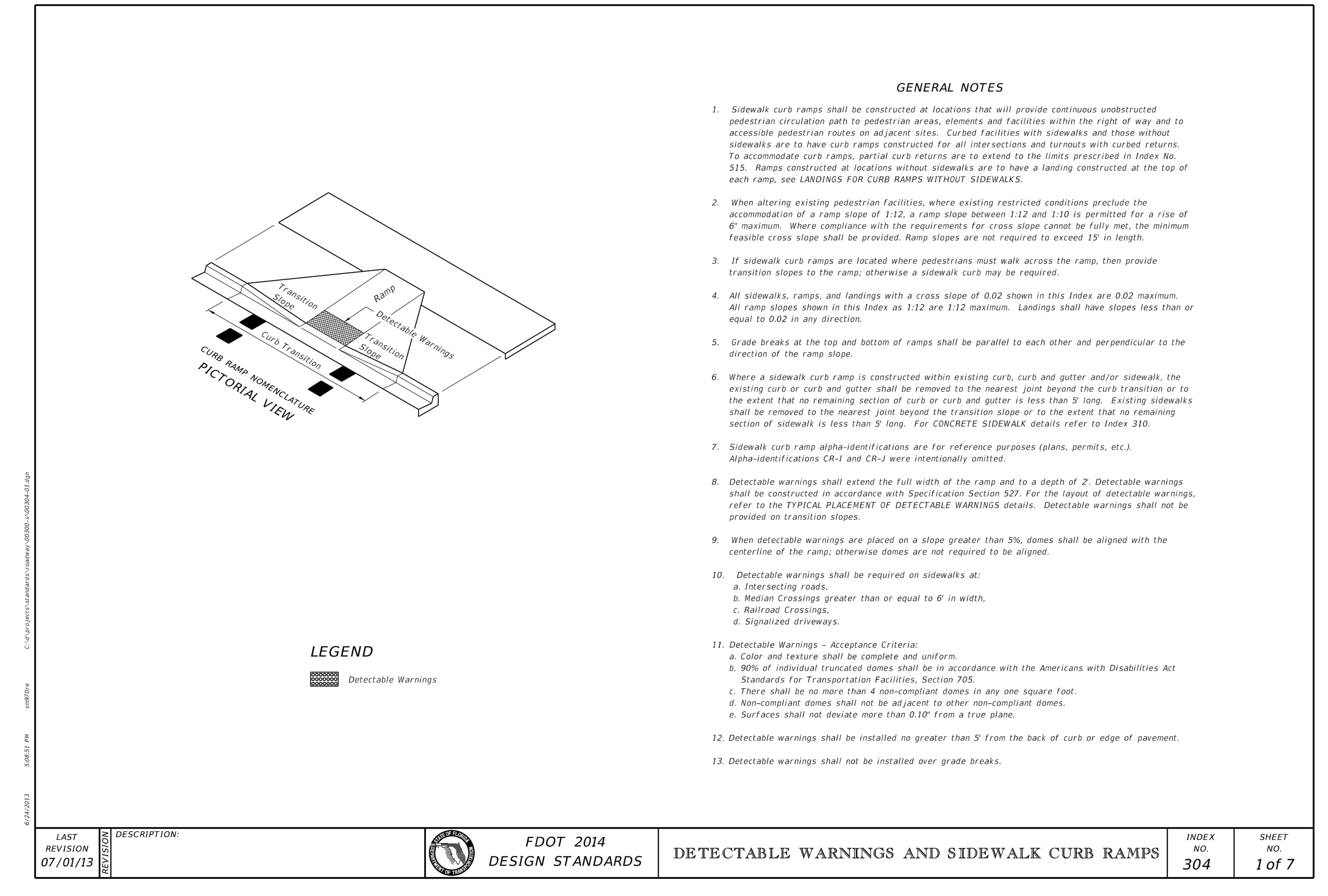
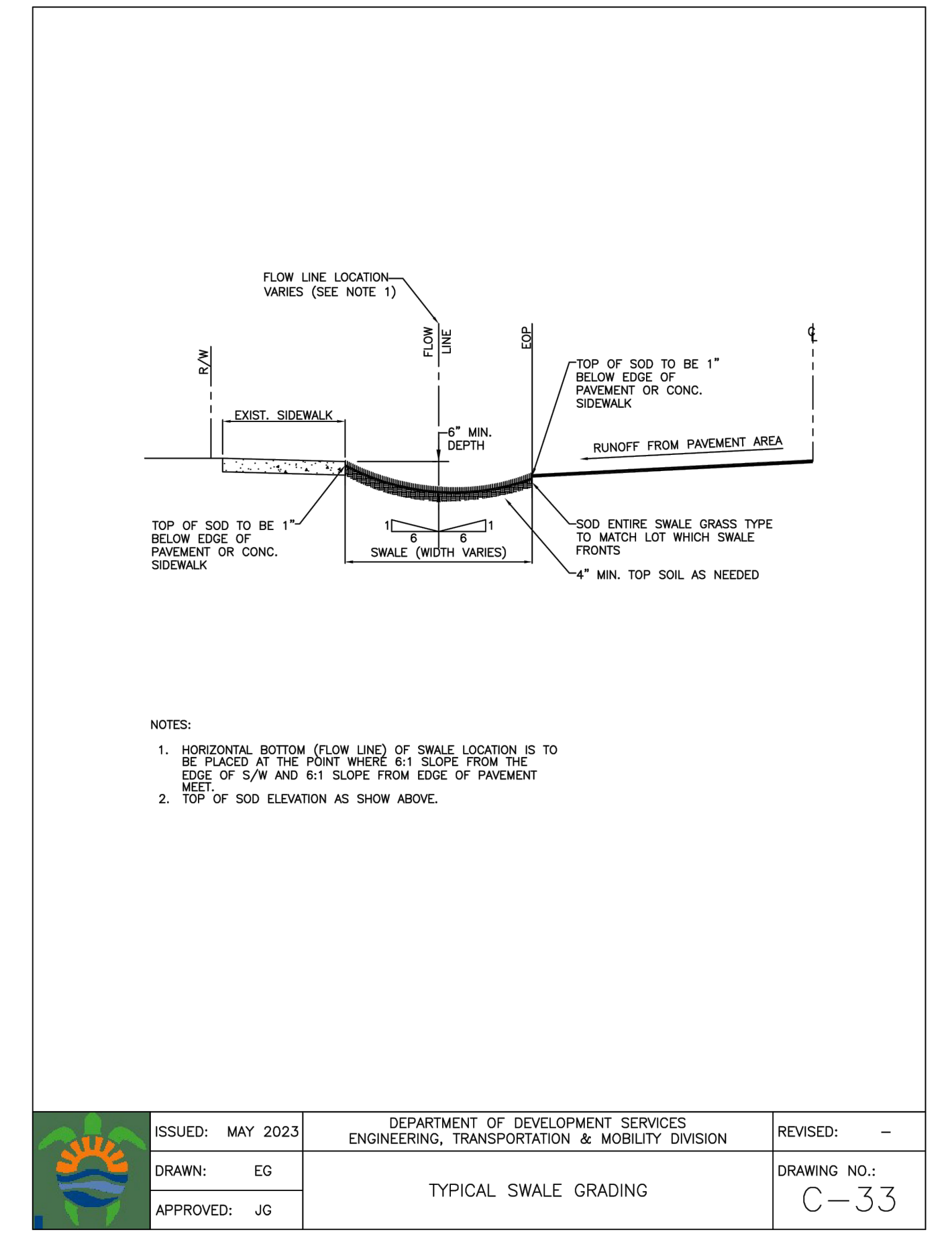
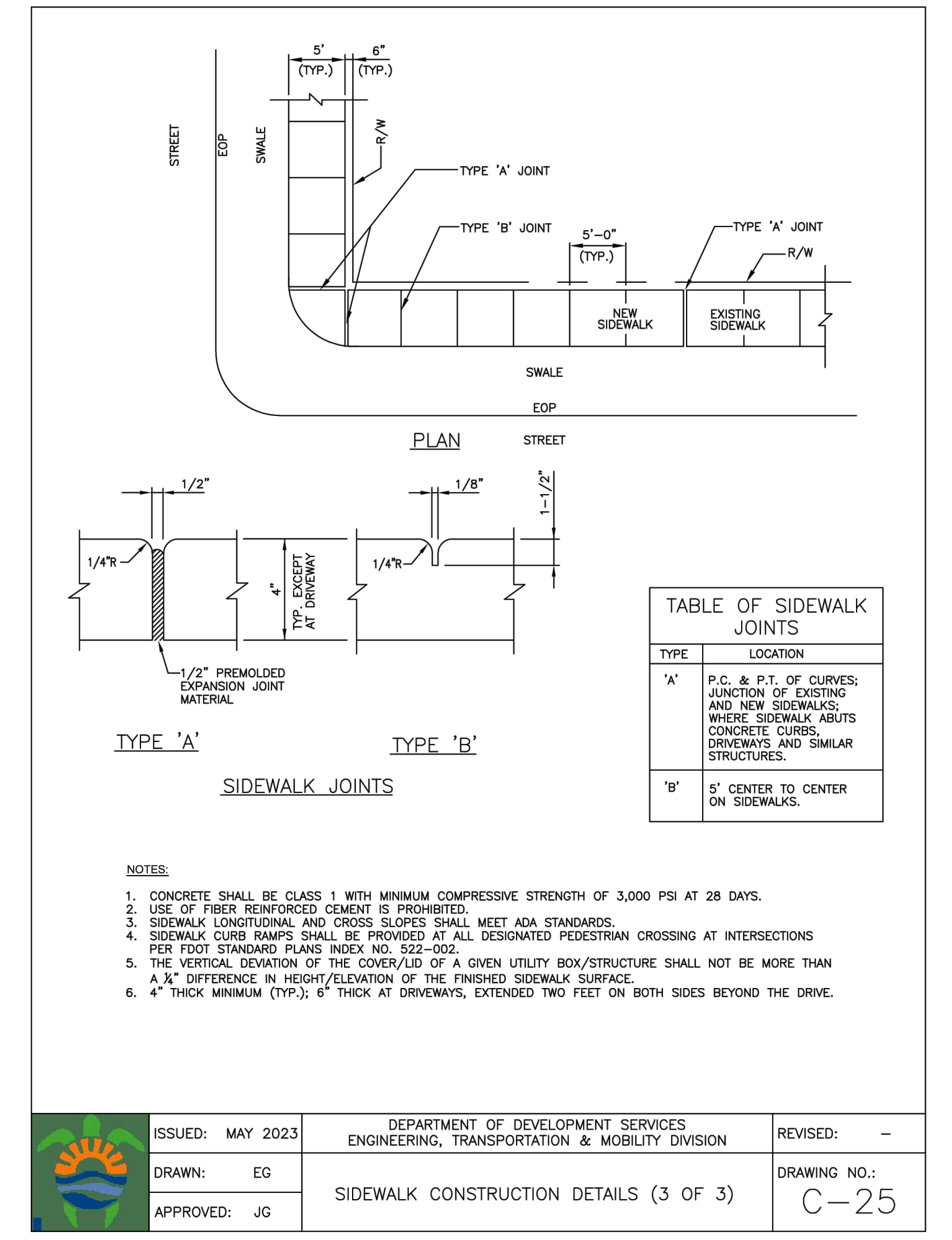
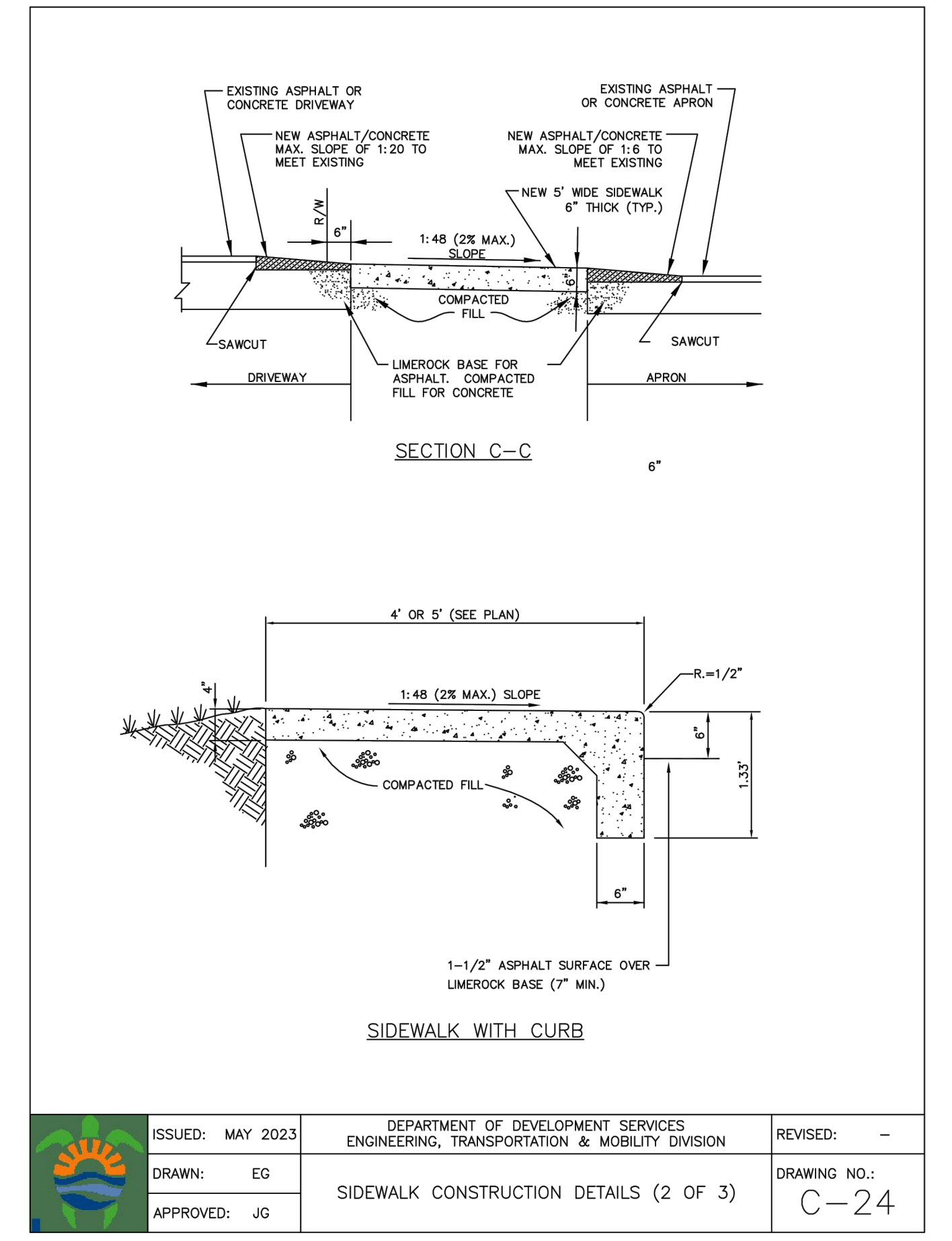
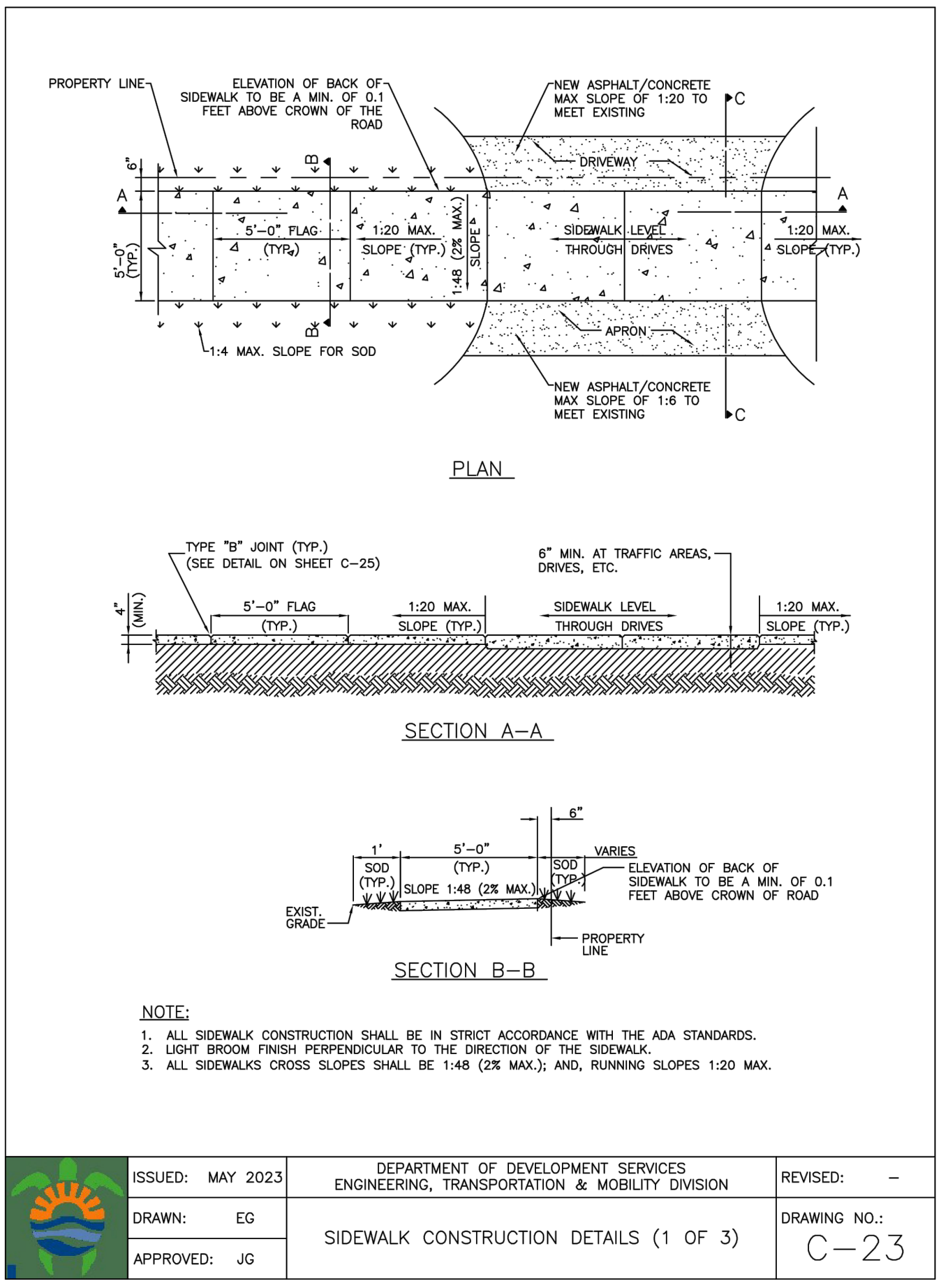
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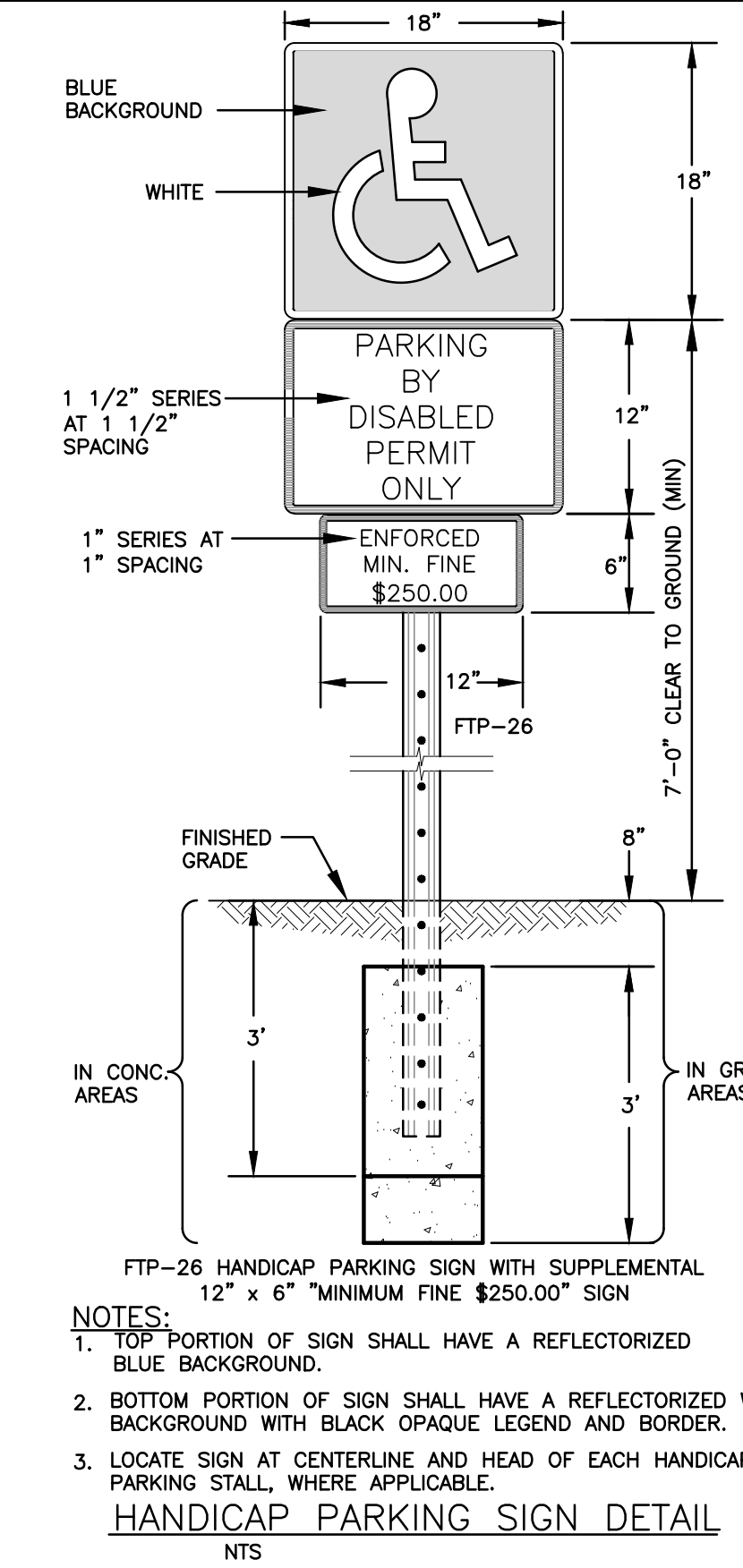
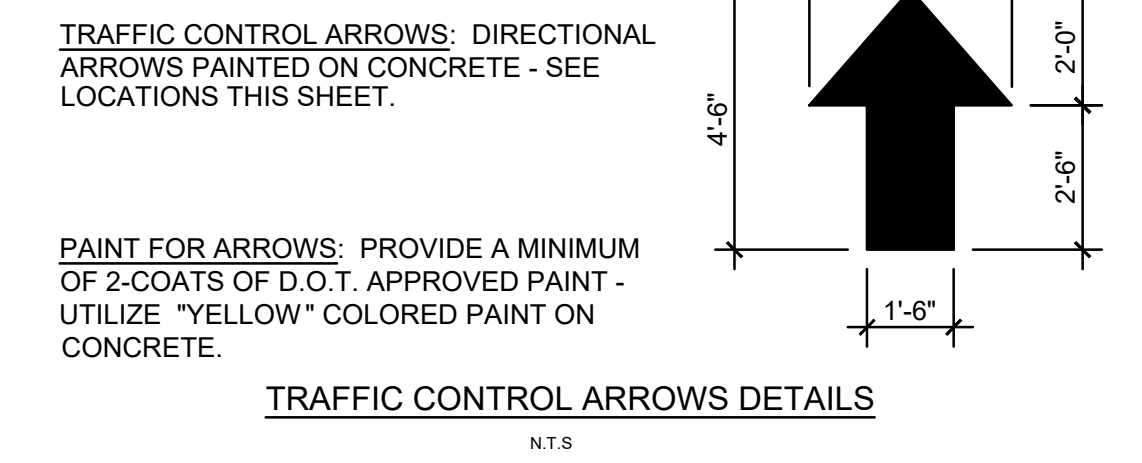
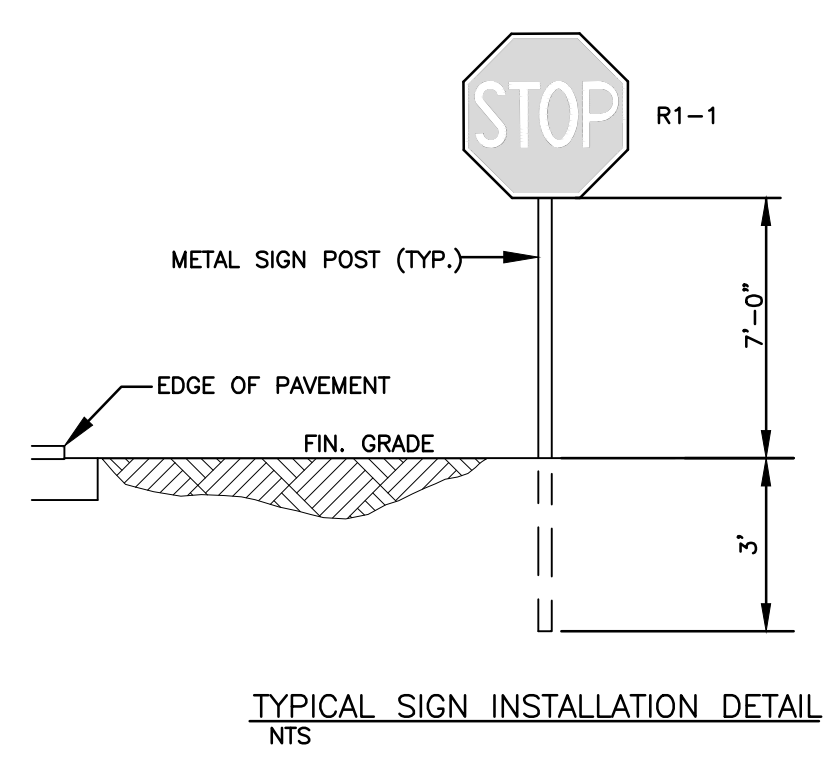
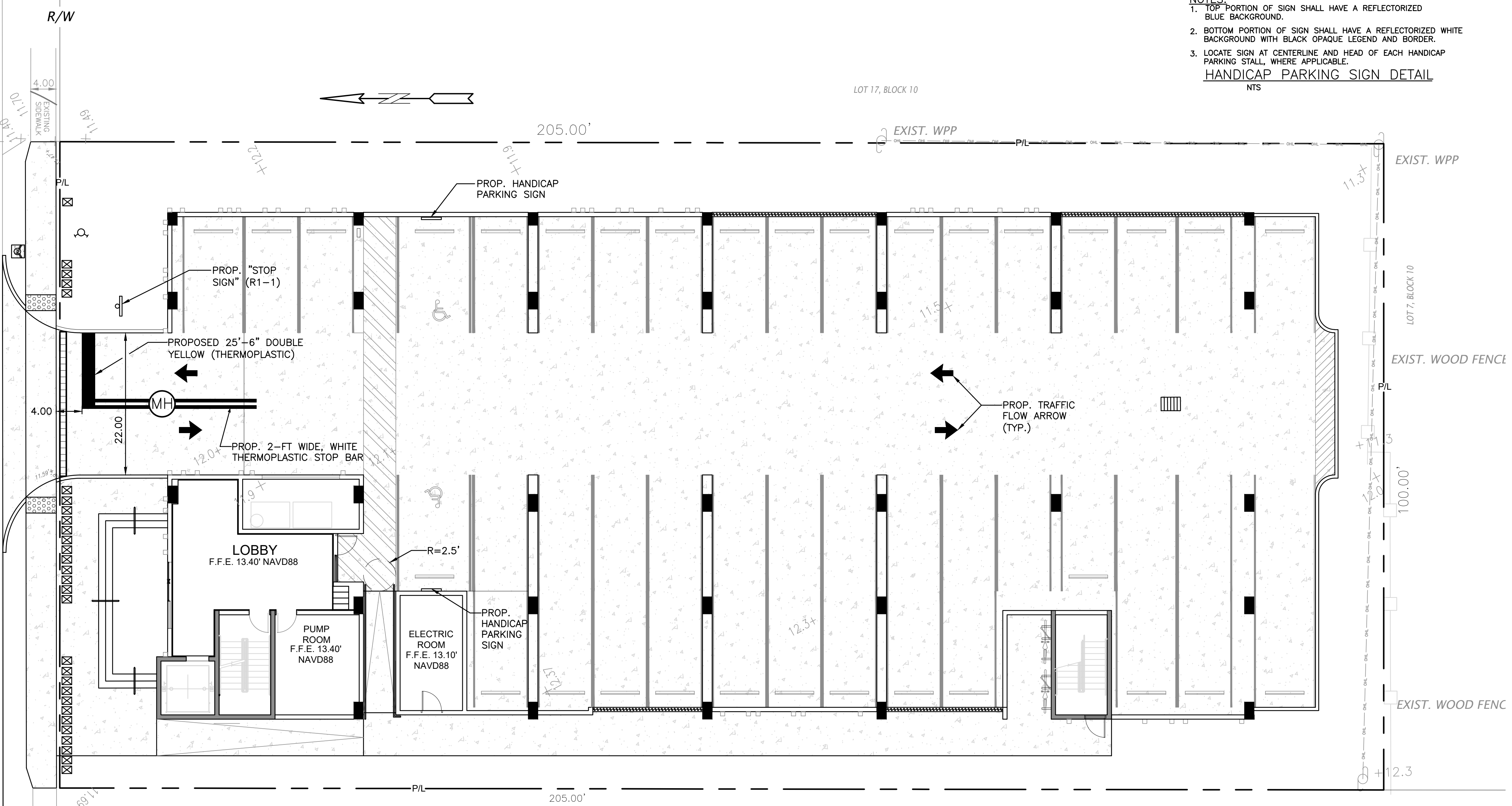
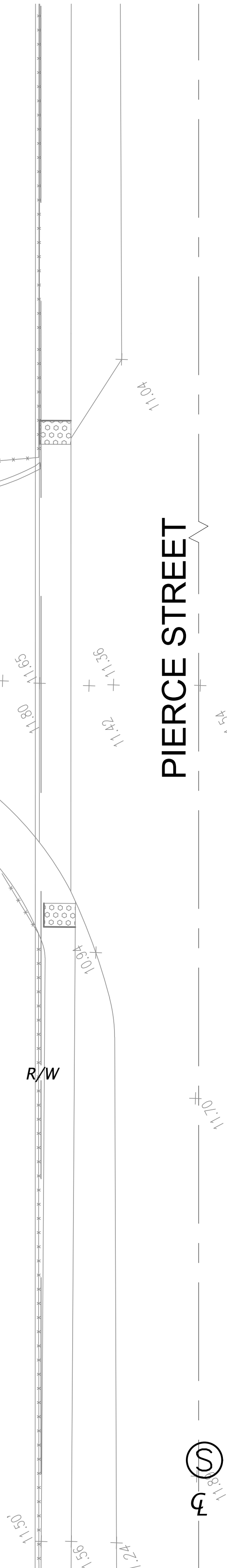
PIERCE APARTMENTS
 2302-2306 PIERCE STREET
 HOLLYWOOD, FL 33020

P.E.#: 78036
 DATE: 11/11/20
 SCALE: N.T.S.
 SHEET NO.: C4
 4 OF 10
 PROJECT NO.: 20-38

CIVIL DETAILS II
 SCALE: N.T.S.

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED GRADE
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED WATER METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED BFP DEVICE
- EXISTING SAN. SEWER MH
- EXISTING FIRE HYDRANT



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILFORD ZEPHYR ON THE DATE ADJACENT TO THE SEAL.

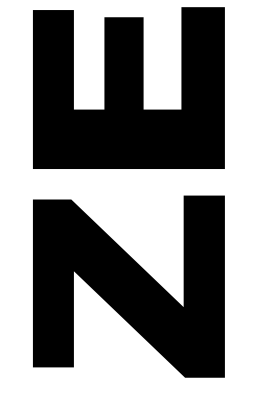
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9-17-24

PAVEMENT MARKINGS & SIGNAGE PLAN
SCALE: 1"=10'

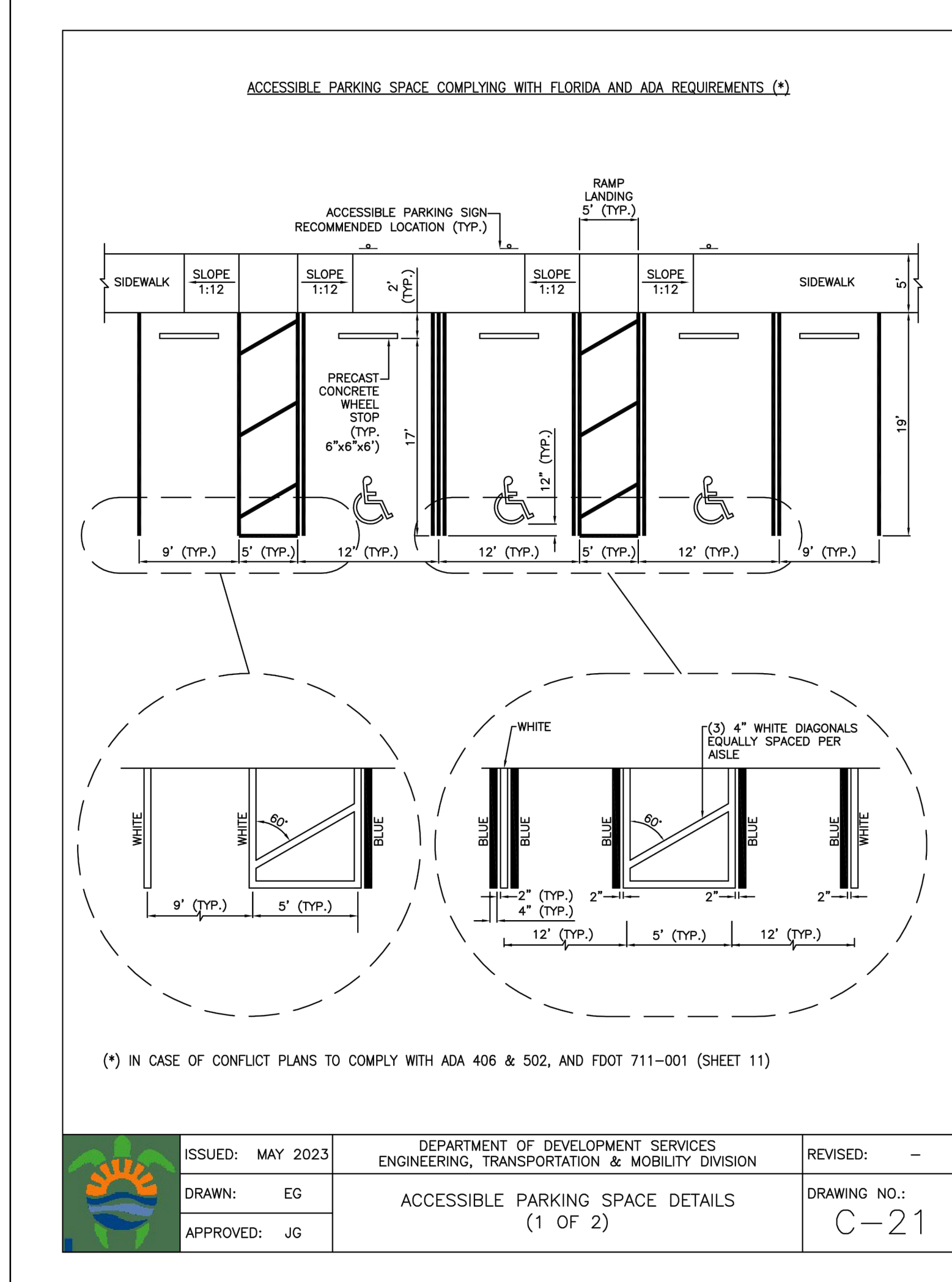
REVISIONS	
NO.	DESCRIPTION

ZEPHYR ENGINEERING
WILFORD ZEPHYR, P.E.
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(786) 302-7693
wzephyreng@gmail.com
CA#: 31158

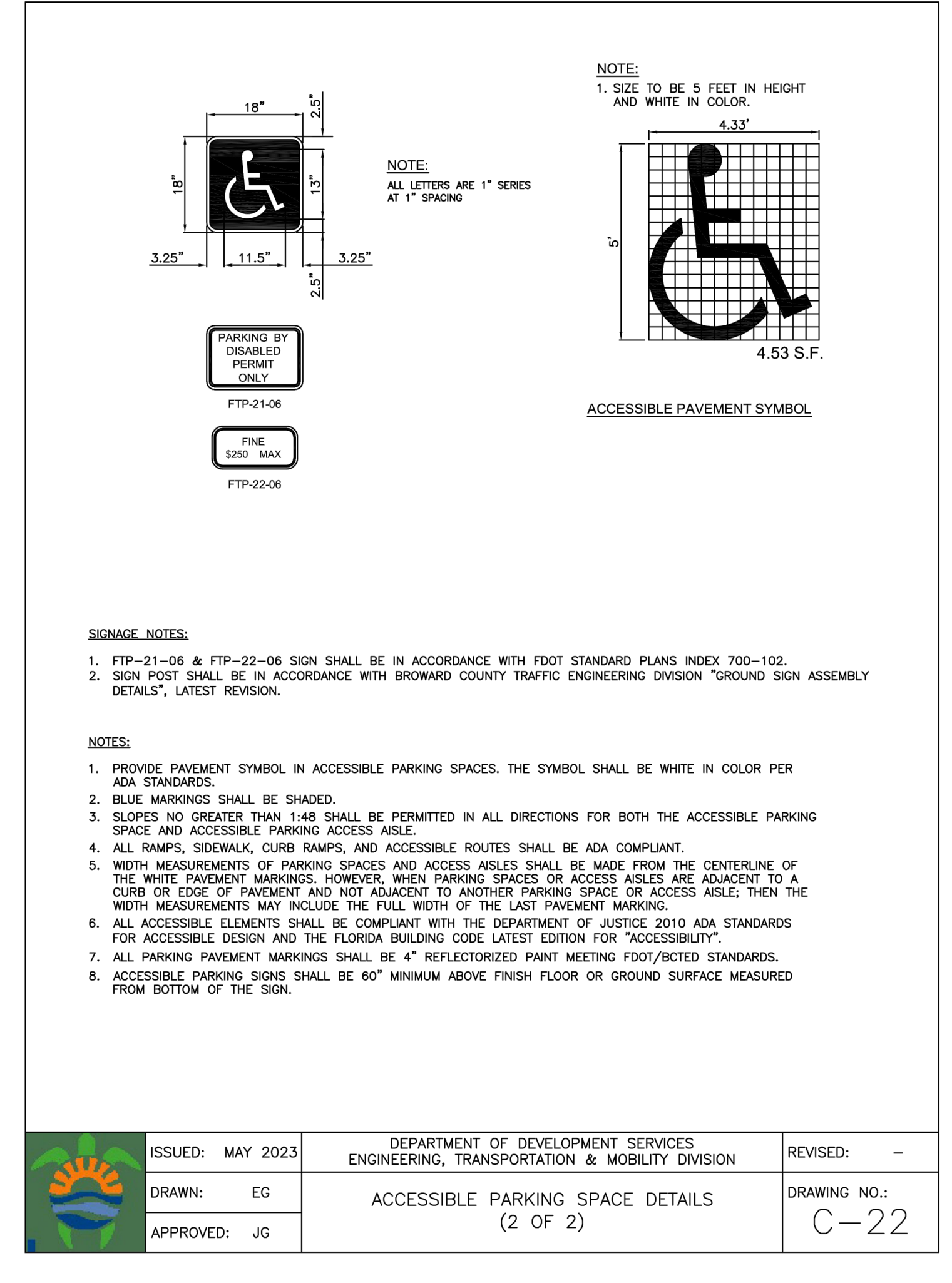


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2302-2306 PIERCE STREET
HOLLYWOOD, FL 33020

P.E.#: 76036
DATE: 11/11/20
SCALE: 1"=10'
SHEET NO.: C5
5 OF 10
PROJECT NO.: 20-38



	ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
	DRAWN: EG	ACCESSIBLE PARKING SPACE DETAILS (1 OF 2)	DRAWING NO.: C-21
	APPROVED: JG		



	ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
	DRAWN: EG	ACCESSIBLE PARKING SPACE DETAILS (2 OF 2)	DRAWING NO.: C-22
	APPROVED: JG		



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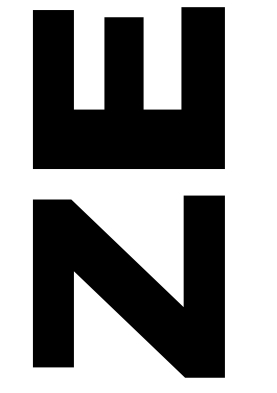
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PAVEMENT MARKINGS & SIGNAGE DETAILS

SCALE: 1"=10'

REVISIONS	
NO.	DATE

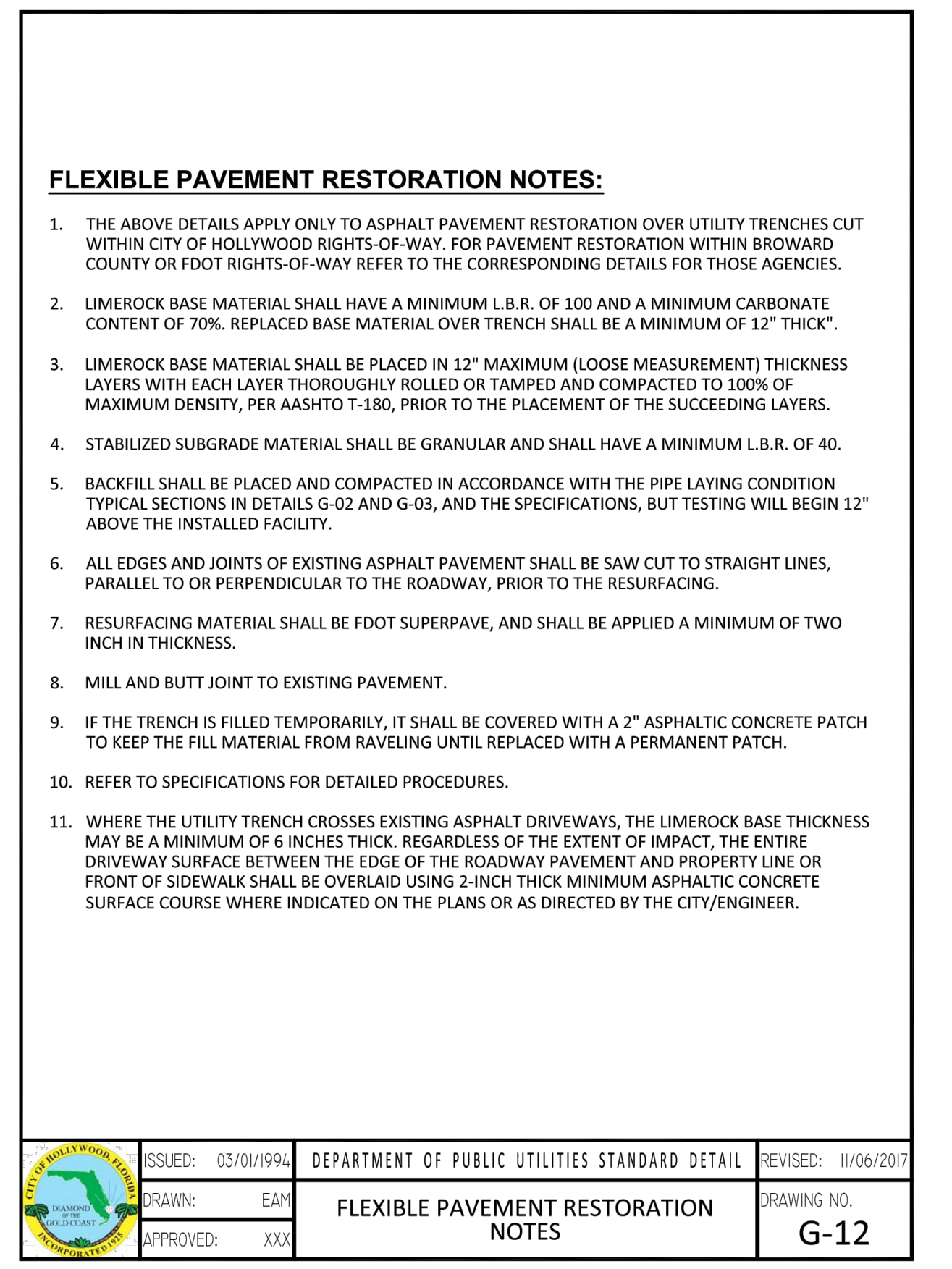
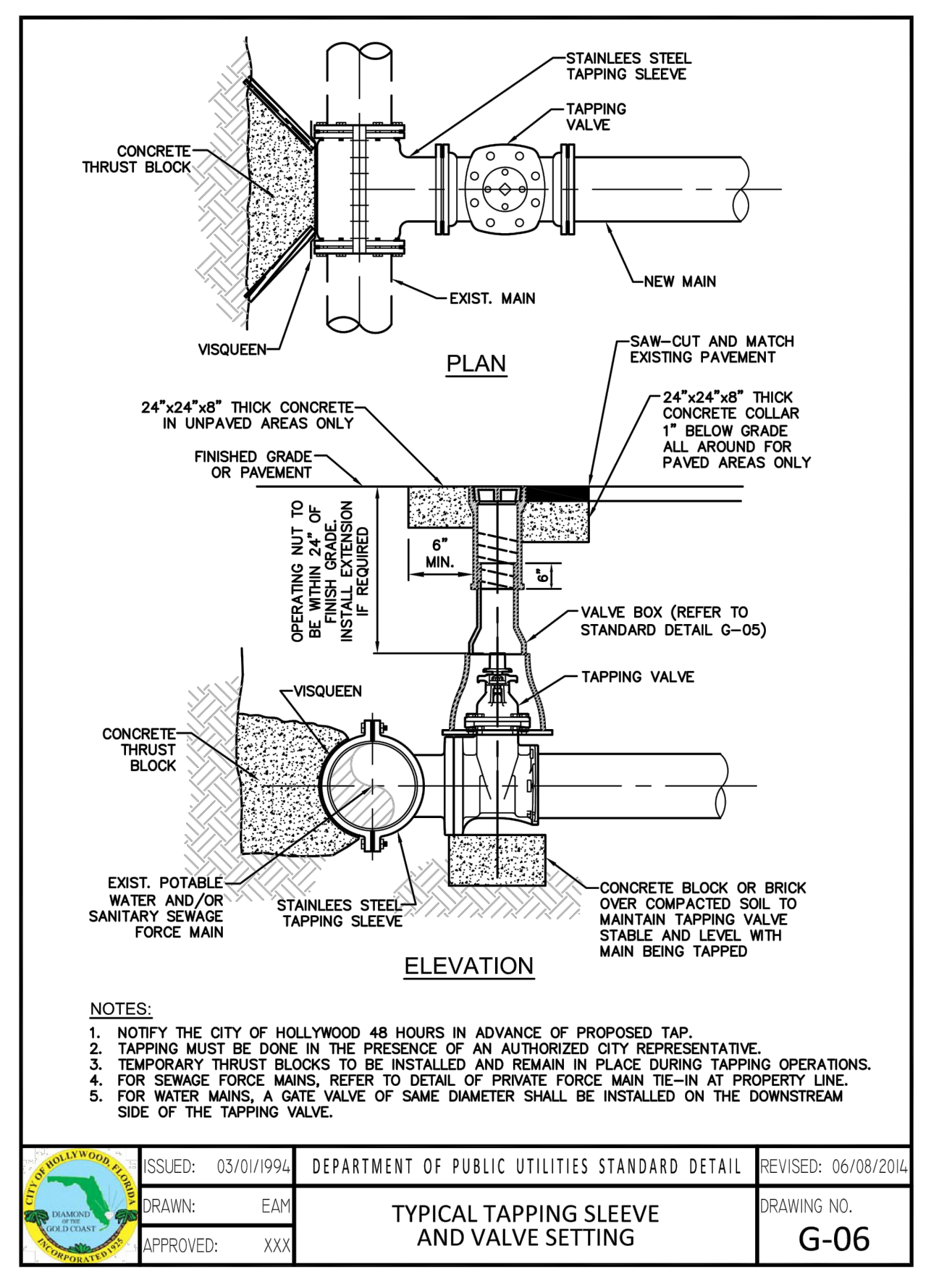
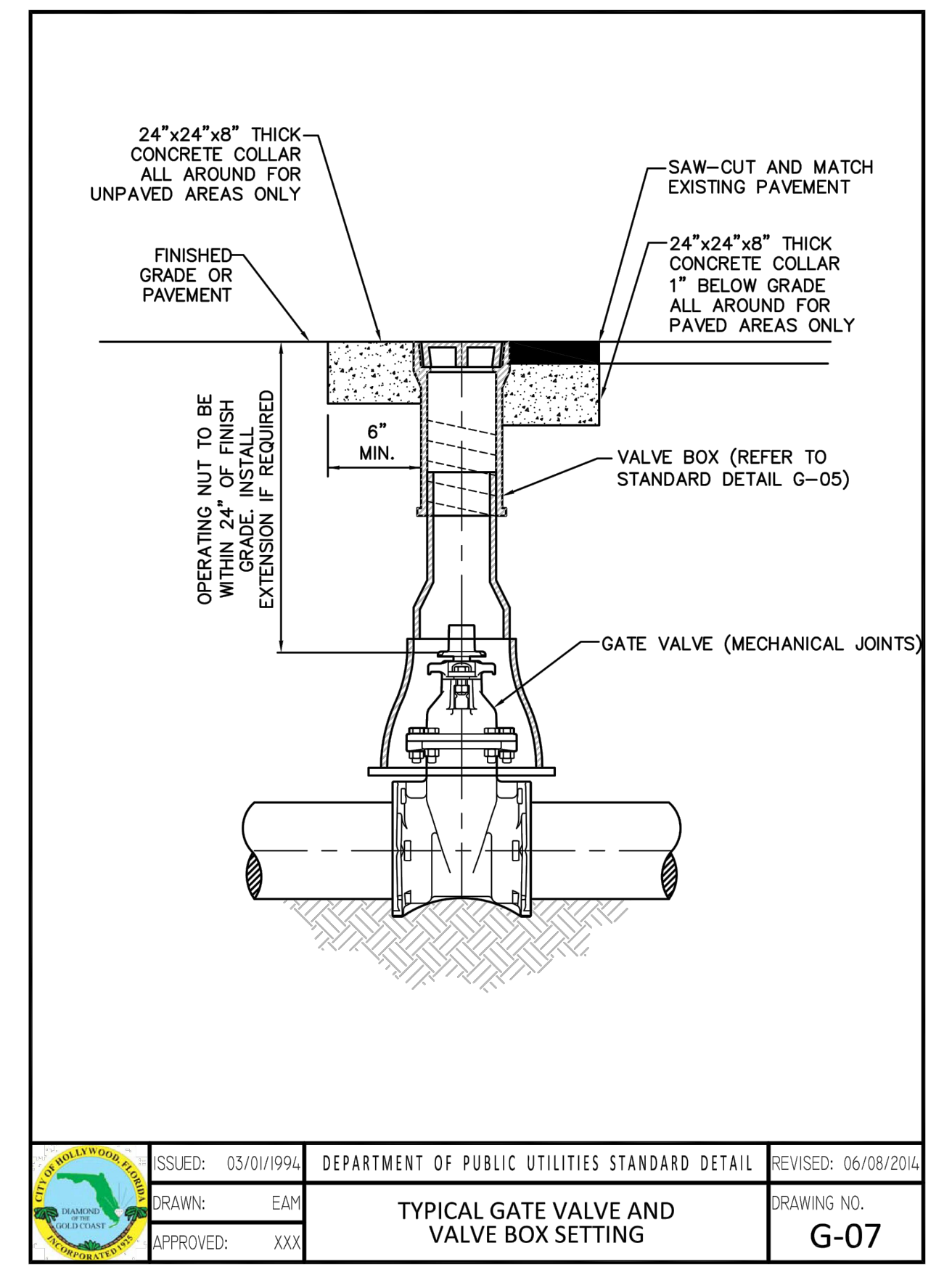
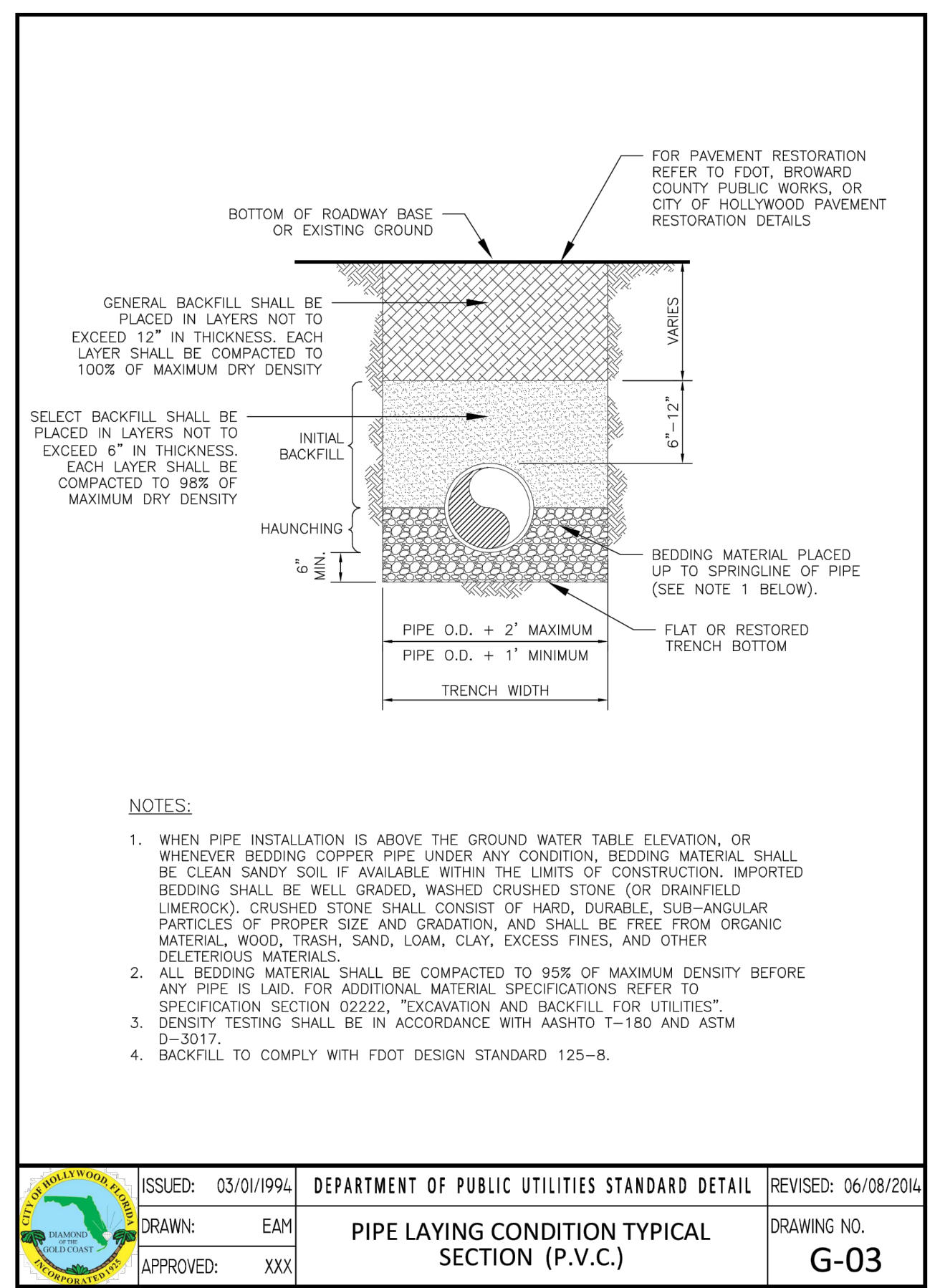
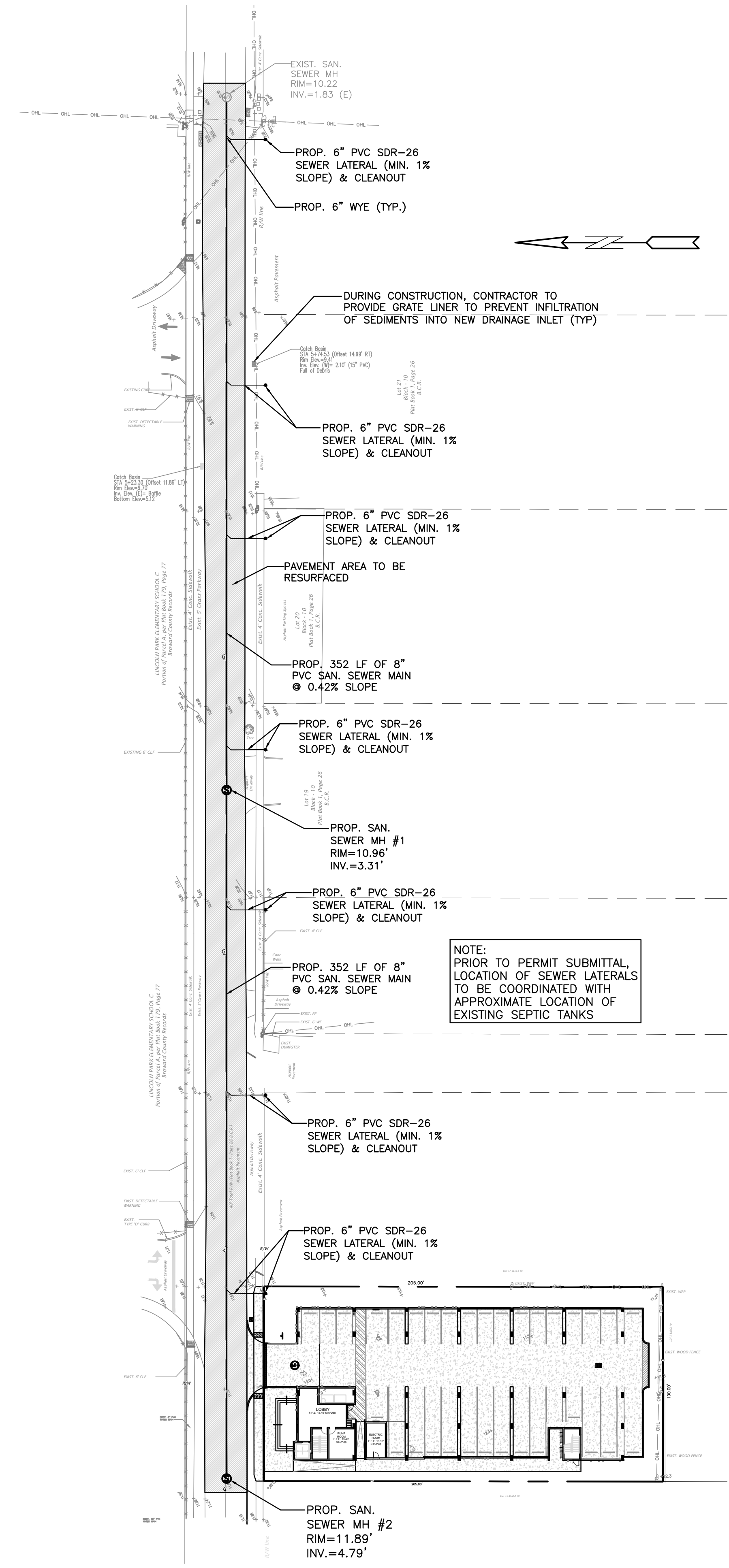
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 wzephyreng@gmail.com
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PIERCE APARTMENTS
 2302-2306 PIERCE STREET
 HOLLYWOOD, FL 33020

P.E.#: 76036
DATE: 11/11/20
SCALE: 1"=10'
SHEET NO.: C6
6 OF 10
PROJECT NO.: 20-38

ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM



LEGEND

[Symbol]	PROPOSED CONCRETE
[Symbol]	PROPOSED ASPHALT
[Symbol]	PROPOSED GRADE
[Symbol]	EXISTING ELEVATION
[Symbol]	PROPOSED CATCH BASIN
[Symbol]	EXISTING CATCH BASIN
[Symbol]	PROPOSED WATER METER
[Symbol]	EXISTING WATER METER
[Symbol]	EXISTING WATER VALVE
[Symbol]	PROPOSED BFP DEVICE
[Symbol]	EXISTING SAN. SEWER MH
[Symbol]	EXISTING FIRE HYDRANT

REVISIONS

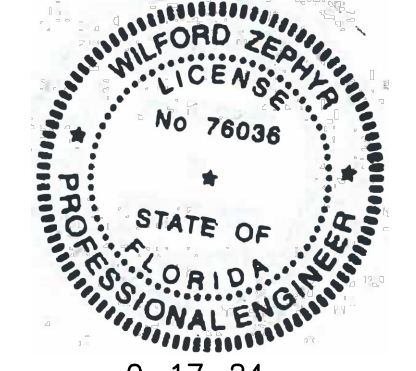
NO.	DATE	DESCRIPTION

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wzephyreng@gmail.com
CA# 31158

PIERCE APARTMENTS
2302-2306 PIERCE STREET
HOLLYWOOD, FL 33020

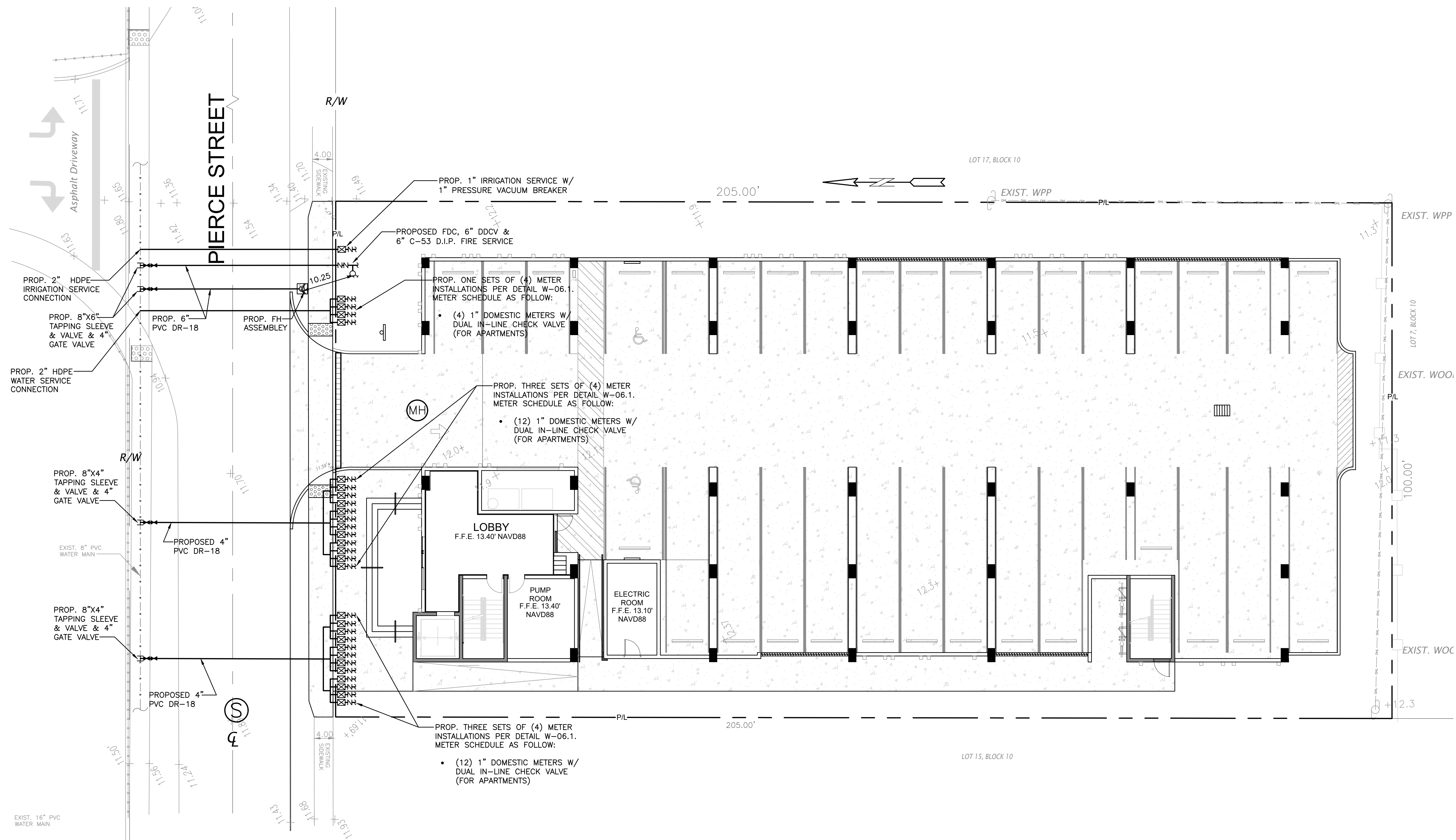
P.E.#:76036
DATE: 11/11/20
SCALE: 1"=40'
SHEET NO.: C7
7 OF 10
PROJECT NO.: 20-38

SEWER EXTENSION PLAN & DETAILS
SCALE: 1"=40'
9-17-24



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ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM



LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED GRADE
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED WATER METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED BFP DEVICE
- EXISTING SAN. SEWER MH
- EXISTING FIRE HYDRANT

NOTE:
UNDERGROUND FIRE MAIN WORK WILL BE COMPLETED BY A CONTRACTOR HOLDING A CLASS III, OR V LICENSE AS DEFINED BY FLORIDA STATUTE 633.102.

WATER & SEWER DEMAND CALCULATIONS:

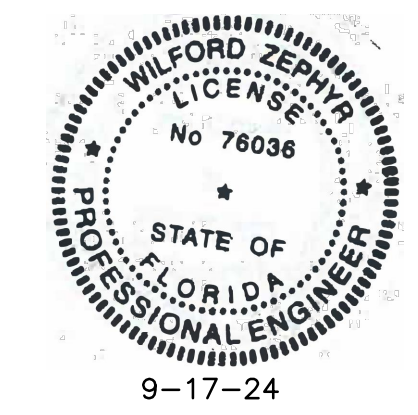
PROJECT INFO:

- 28 RESIDENTIAL UNITS

WATER DEMAND
(28 RESIDENTIAL UNITS)X(141 GPD/UNIT)=3,948 GPD

WASTEWATER DEMAND
(28 RESIDENTIAL UNITS)X(100 GPD/UNIT)=2,800 GPD

(PER BROWARD COUNTY WATER & WASTEWATER ENGINEERING DIVISION'S GUIDELINE FOR DETERMINING ABILITY TO PROVIDE POTABLE WATER & WASTEWATER SERVICE AND EQUIVALENT RESIDENTIAL UNIT FACTORS PUBLICATIONS)



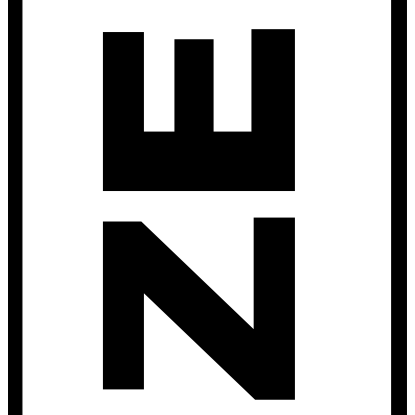
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WATER & SEWER PLAN
SCALE: 1"=20'

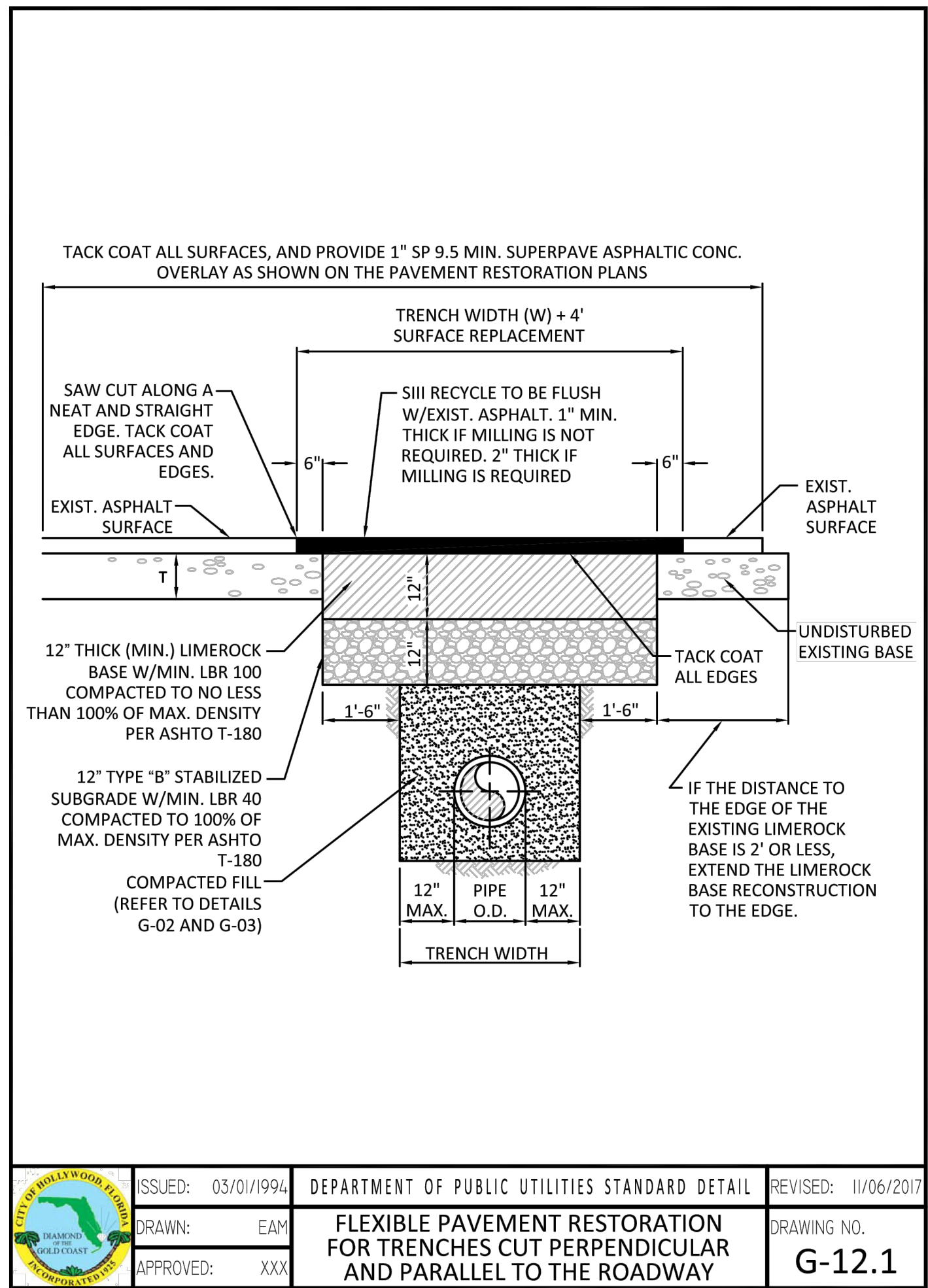
NO.	DATE	DESCRIPTION

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WILFORD ZEPHYR, P.E.
HOLLYWOOD, FL
(786) 302-7693
wzephyreng@gmail.com
CA#: 31158

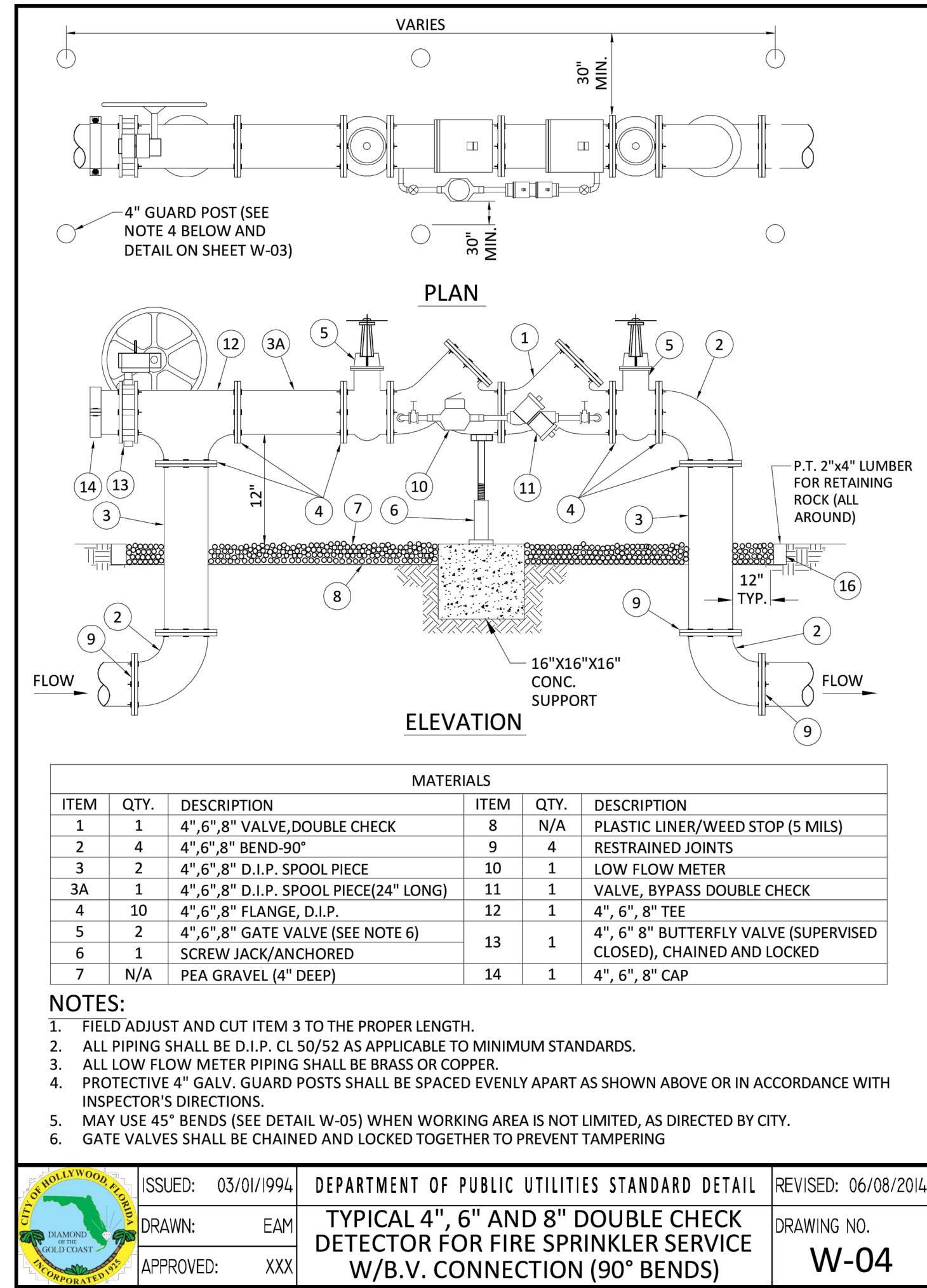


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2302-2306 PIERCE STREET
HOLLYWOOD, FL 33020

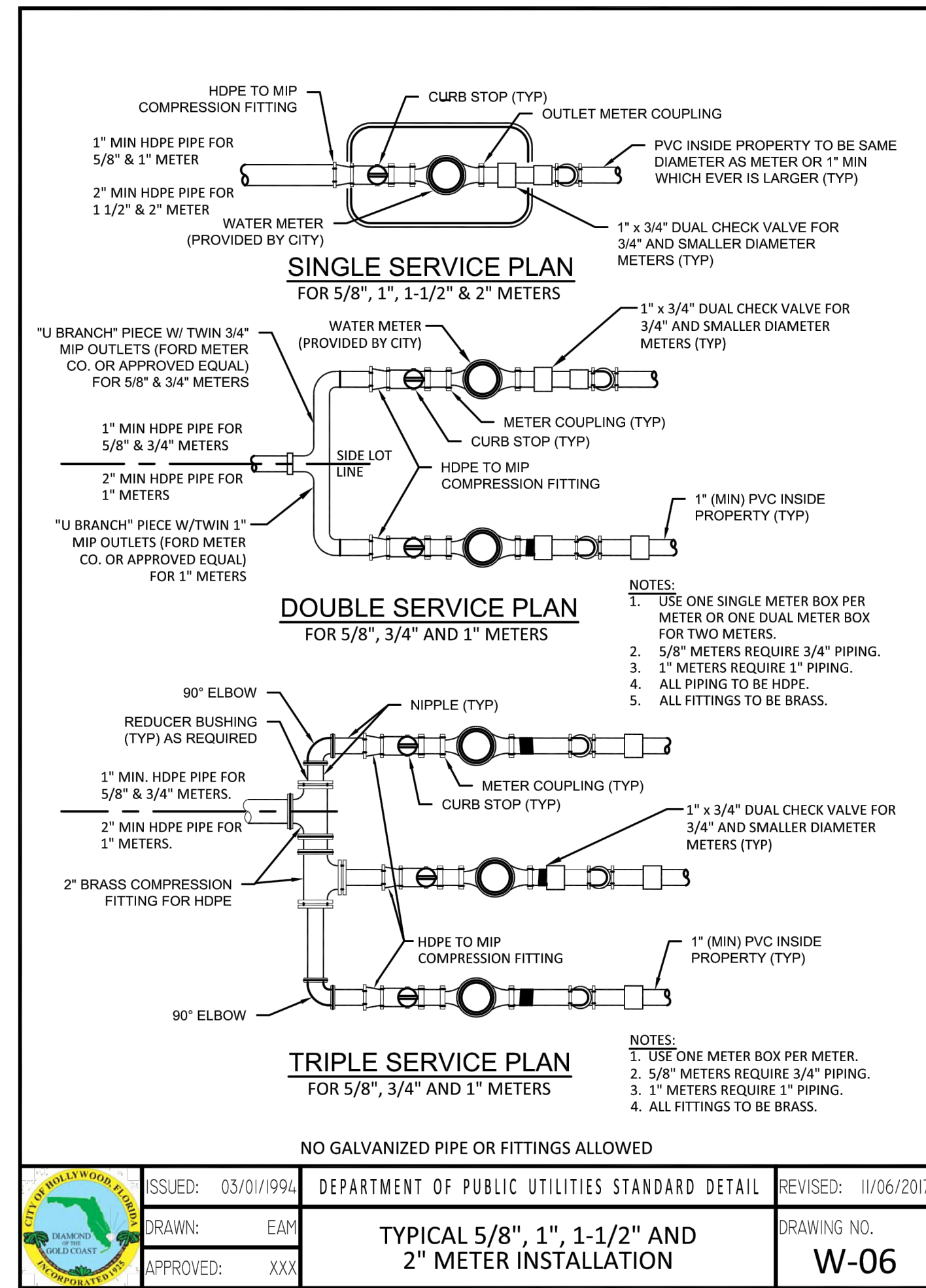
P.E.#: 76036
DATE: 11/11/20
SCALE: 1"=10'
SHEET NO.: C8
8 OF 10
PROJECT NO.: 20-38



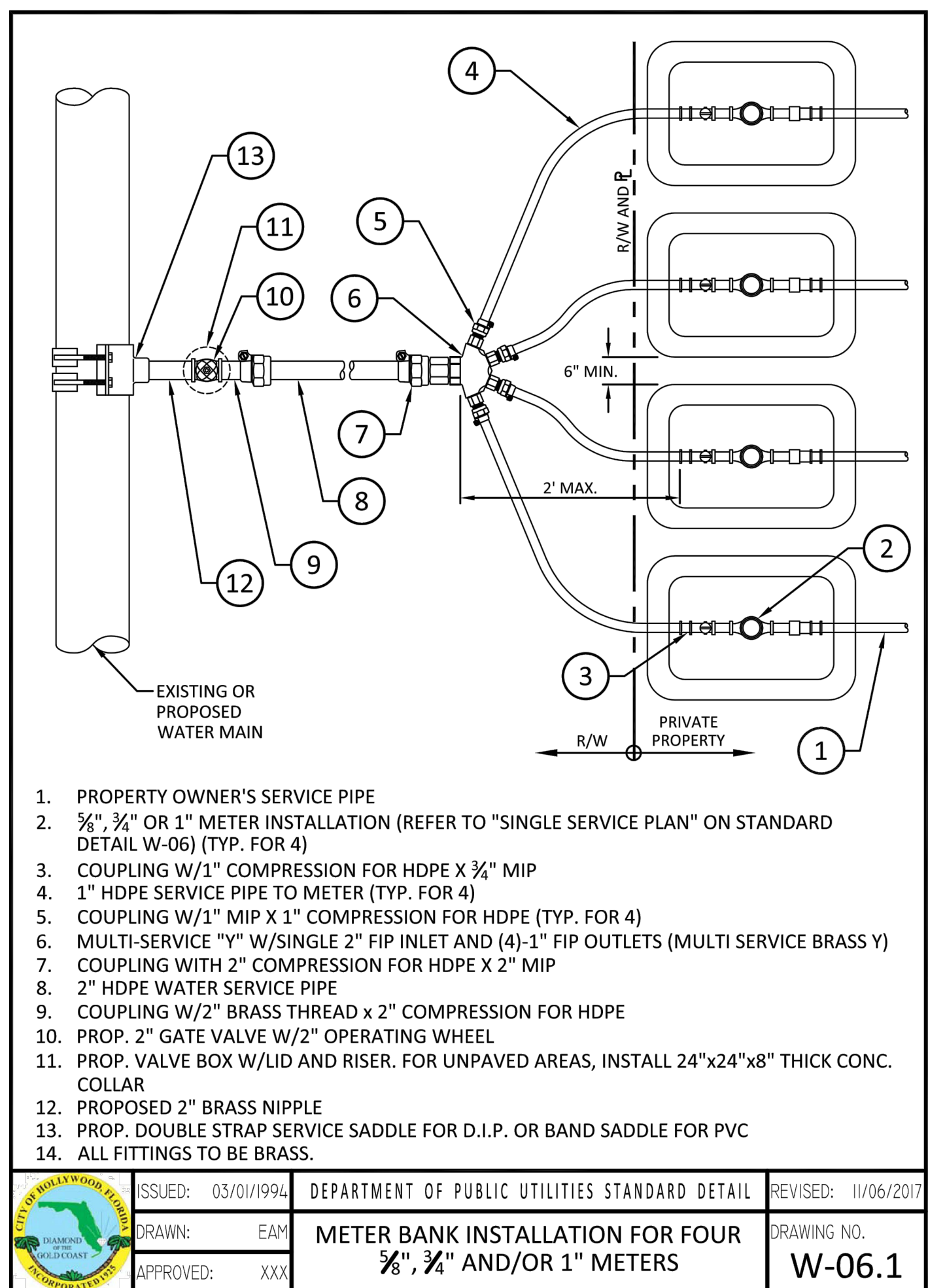
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION FOR TRENCHES CUT PERPENDICULAR AND PARALLEL TO THE ROADWAY	DRAWING NO. G-12.1
APPROVED: XXX		



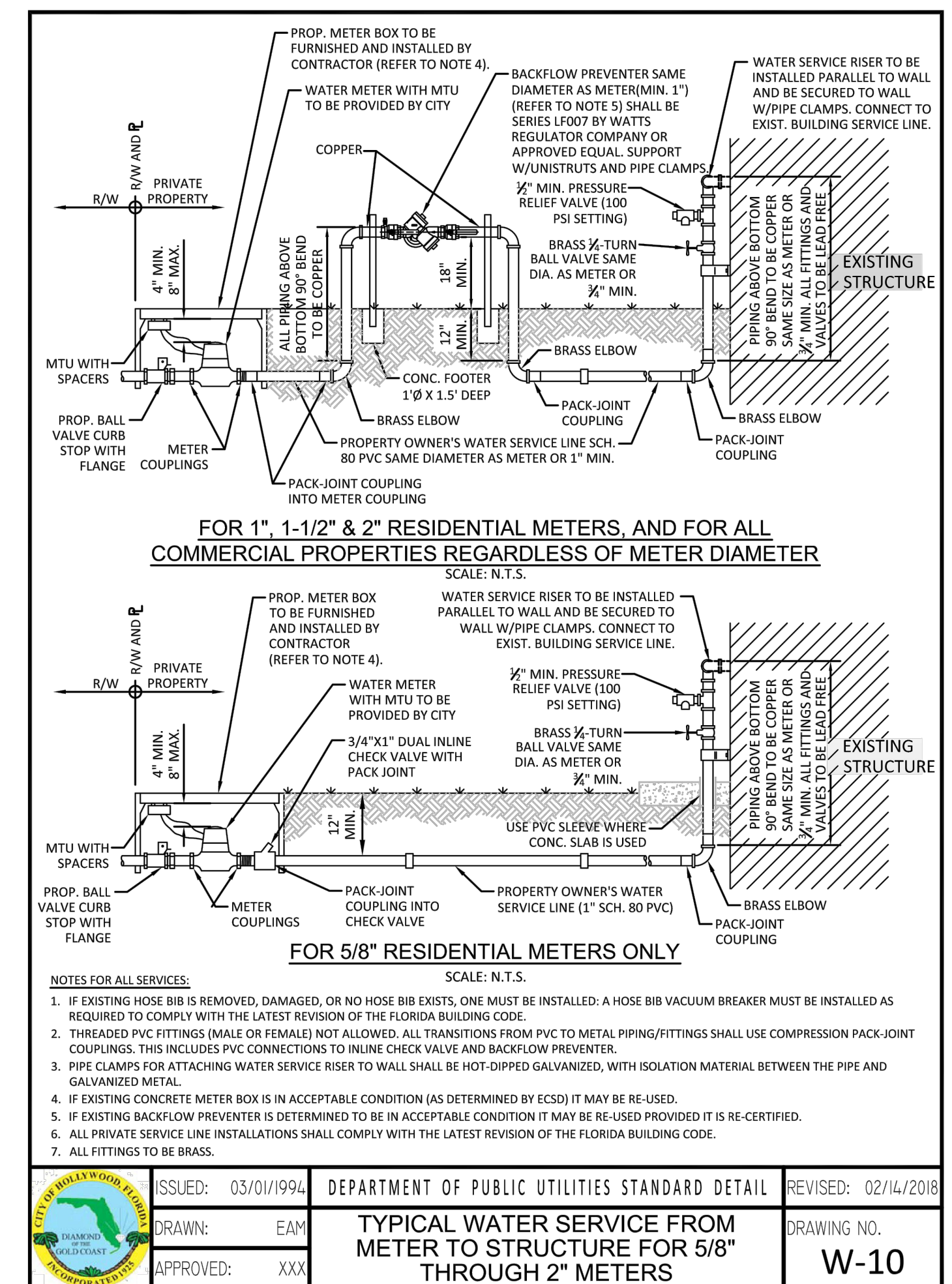
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL 4", 6" AND 8" DOUBLE CHECK DETECTOR FOR FIRE SPRINKLER SERVICE W/B.V. CONNECTION (90° BENDS)	DRAWING NO. W-04
APPROVED: XXX		



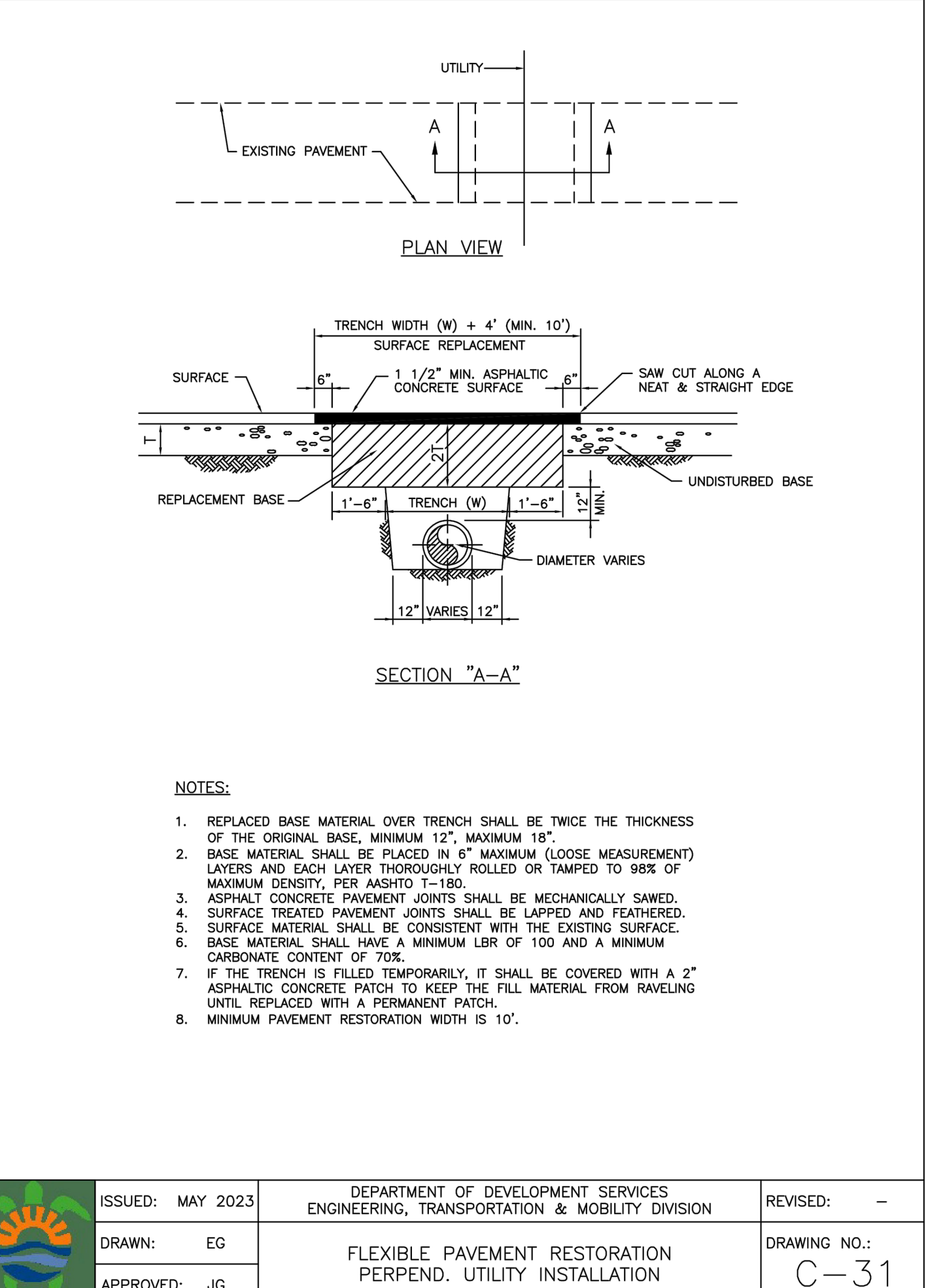
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAM	TYPICAL 5/8", 1", 1-1/2" AND 2" METER INSTALLATION	DRAWING NO. W-06
APPROVED: XXX		



ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAM	METER BANK INSTALLATION FOR FOUR 5/8", 3/4" AND/OR 1" METERS	DRAWING NO. W-06.1
APPROVED: XXX		



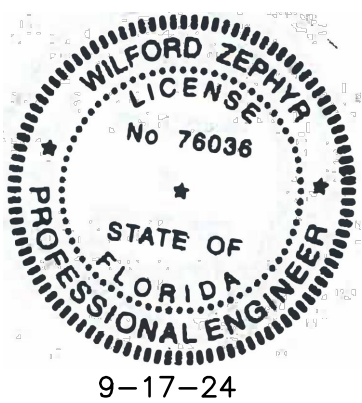
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 02/14/2018
DRAWN: EAM	TYPICAL WATER SERVICE FROM METER TO STRUCTURE FOR 5/8" THROUGH 2" METERS	DRAWING NO. W-10
APPROVED: XXX		



ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
DRAWN: EG	FLEXIBLE PAVEMENT RESTORATION PERPEND. UTILITY INSTALLATION	DRAWING NO. C-31
APPROVED: JG		

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UTILITIES DETAILS I

SCALE: N.T.S.

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NO.	DATE DESCRIPTION

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 wzephyr@gmail.com
 CA#: 31158

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PIERCE APARTMENTS
 2302-2306 PIERCE STREET
 HOLLYWOOD, FL 33020

P.E.#: 76036

DATE: 11/11/20
 SCALE: N.T.S.
 SHEET NO.: C9
 9 OF 10
 PROJECT NO.: 20-38

SEWER NOTES:

- THE MINIMUM DEPTH OF COVER OVER D.I.P. SANITARY SEWER GRAVITY OR FORCE MAINS IS 30". THE MINIMUM DEPTH OF COVER OVER PVC SANITARY SEWER OR FORCE MAINS IS 36".
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- LEAKAGE TESTS AND ALIGNMENT (LAMPING) TESTS SHALL BE PERFORMED ON ALL NEW SEWER LINES UP TO THE CONNECTION POINT WITH THE EXISTING SEWER SYSTEM. THESE TESTS SHALL BE REQUESTED AND PAID FOR BY THE CONTRACTOR.
- LAMPING TESTS SHALL BE PERFORMED ON GRAVITY SEWERS FROM MANHOLE TO MANHOLE UP TO AND INCLUDING THE POINT OF CONNECTION TO THE EXISTING SEWER SYSTEM.
- LEAKAGE TESTS SHALL BE PERFORMED ON ALL SEGMENTS OF A GRAVITY SEWER SYSTEM, INCLUDING SERVICE LATERALS AND MANHOLES. FOR A CONTINUOUS PERIOD OF NO LESS THAN 2 HOURS. AT THE END OF THE TEST, THE TOTAL MEASURED LEAKAGE SHALL NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM, WITH ZERO ALLOWABLE LEAKAGE FOR LATERALS AND MANHOLES. AN EXFILTRATION OR INFILTRATION TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET ON THE SECTION BEING TESTED.
- FORCE MAINS SHALL BE PRESSURE-TESTED IN ACCORDANCE WITH RULE 62-555.330 (FAC). THE PRESSURE TEST SHALL CONSIST OF HOLDING A TEST PRESSURE OF 150 PSI ON THE PIPELINE FOR A CONTINUOUS PERIOD OF 2 HOURS THE MAXIMUM ALLOWABLE LEAKAGE SHALL BE DETERMINED BY THE FOLLOWING FORMULA:

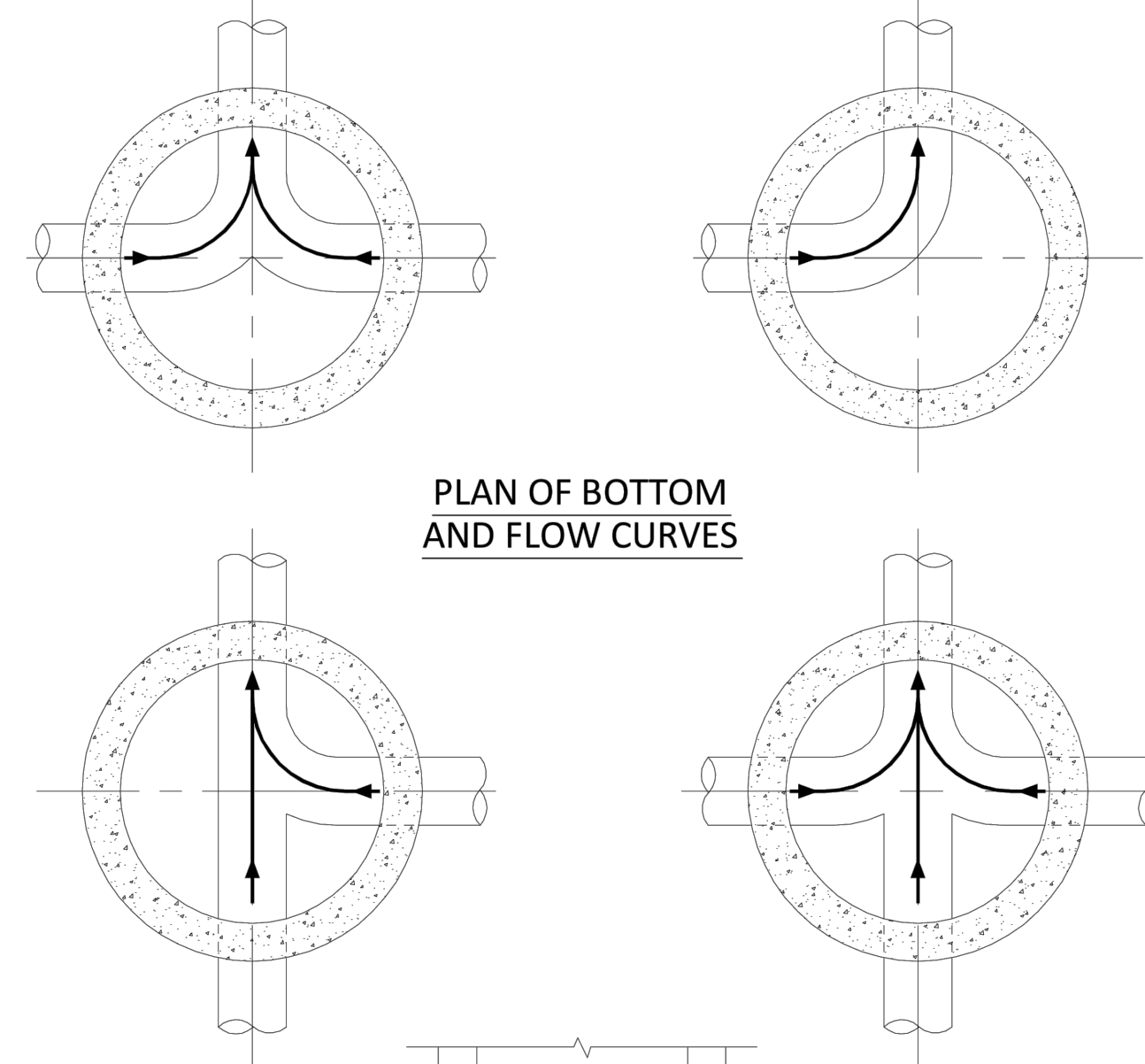
$$L = \frac{S \times D \times \sqrt{P}}{148,000}$$

WHERE:

L = ALLOWABLE LEAKAGE FOR SYSTEM IN GALLONS PER HOUR
 D = PIPE DIAMETER IN INCHES
 S = LENGTH OF LINES IN LINEAL FEET
 P = AVERAGE TEST PRESSURE IN PSI

- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH FORCE MAINS PLACED AT MINIMUM COVER. IN CASE OF CONFLICT, FORCE MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 12" MINIMUM SEPARATION FROM WATER MAINS AND 6" MINIMUM SEPARATION FROM OTHER UTILITIES. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.
- WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE THE SIDES OF A TRENCH, THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING OR BRACING AS MAY BE NECESSARY TO SUPPORT THE SIDES OF THE EXCAVATION TO ENSURE PERSONNEL SAFETY, AND TO PREVENT MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SEQUENCE, METHODS AND MEANS OF CONSTRUCTION, AND FOR THE IMPLEMENTATION OF ALL OSHA AND OTHER SAFETY REQUIREMENTS.

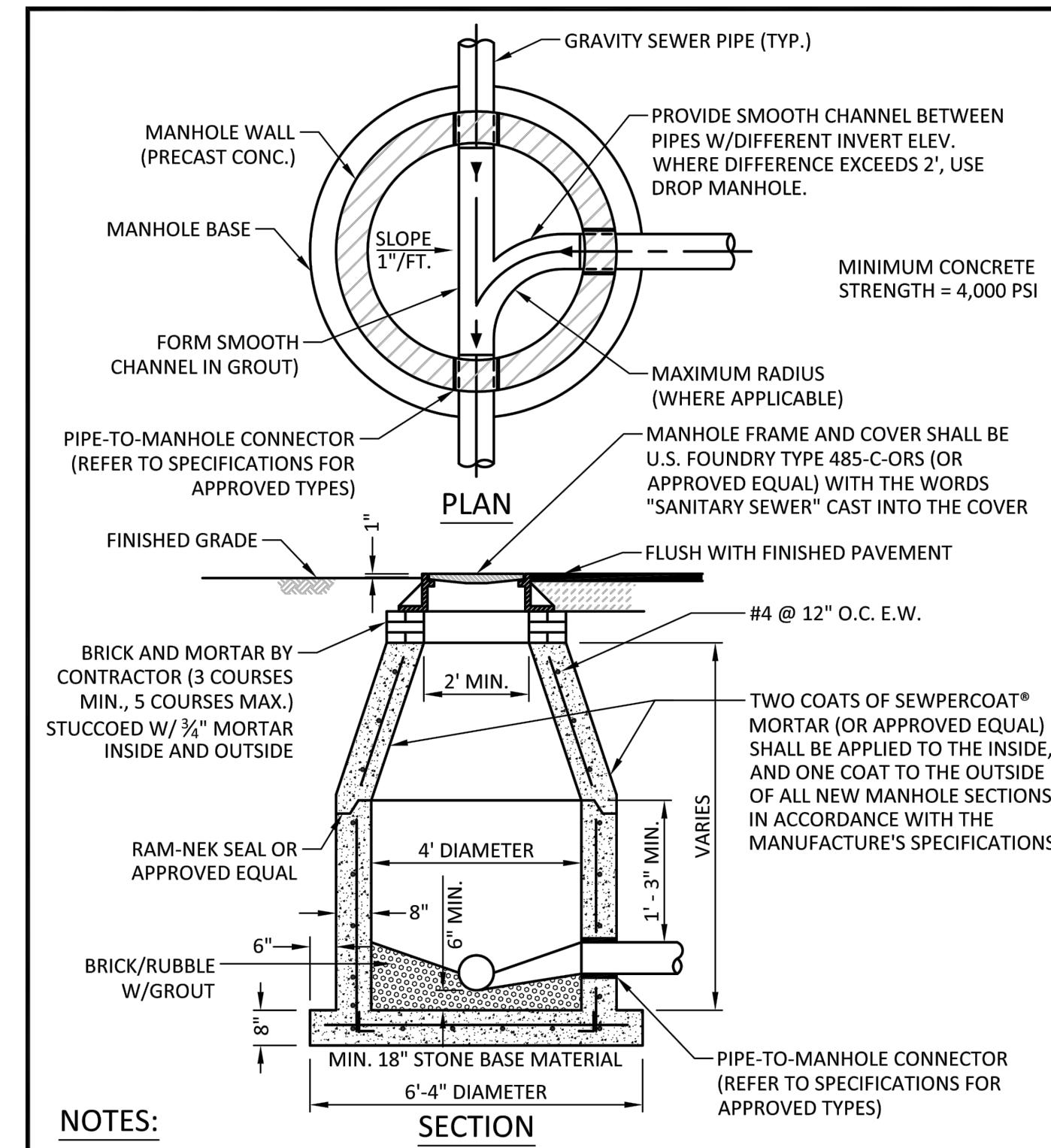
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	SANITARY SEWER MAIN CONSTRUCTION NOTES	DRAWING NO. S-01
	APPROVED: XXX		



NOTES:

- INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
- SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING SMOOTH FLOWS.
- CHANNELS FOR FUTURE CONNECTIONS (STUBS) SHALL BE CONSTRUCTED FILLED WITH SAND & COVERED WITH 1" OF MORTAR.
- WHEN FLOW LINE DEFLECTS MORE THAN 45°, A DROP OF 0.10' IS REQUIRED.

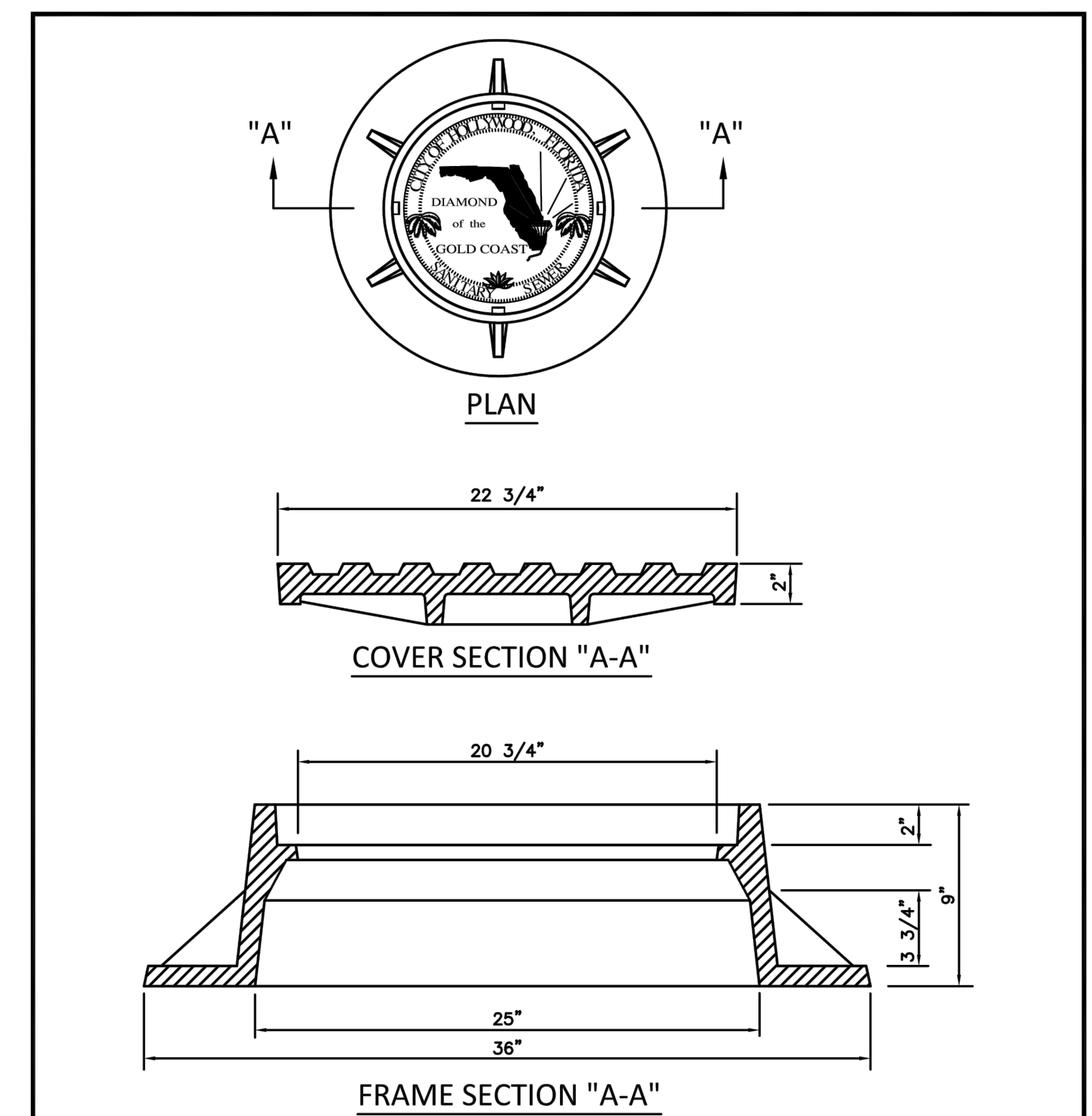
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	MANHOLE FLOW PATTERNS	DRAWING NO. S-02
	APPROVED: XXX		



NOTES:

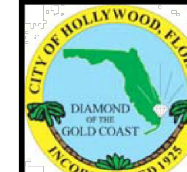
- SHOP DRAWINGS SHOWING ALL DIMENSIONS, INCLUDING CONCRETE REINFORCEMENT AND BUOYANCY, SHALL BE SUBMITTED TO THE CITY PRIOR TO INSTALLATION.
- THE BOTTOM SLAB SHALL BE CAST MONOLITHICALLY WITH THE LOWER WALL SECTION TO A MINIMUM OF 3' ABOVE SLAB BASE.
- NO CONSTRUCTION JOINTS ARE ALLOWED BELOW ELEVATION +2.00 NAVD. ABOVE ELEVATION +2.00 NAVD CONSTRUCTION JOINTS ARE ALLOWED, IF ADEQUATE JOINTS WITH KEY-WAYS AND WATER STOPS ARE PROVIDED. SUBMIT SHOP DRAWINGS OF JOINT DETAILS TO THE ENGINEER FOR APPROVAL.

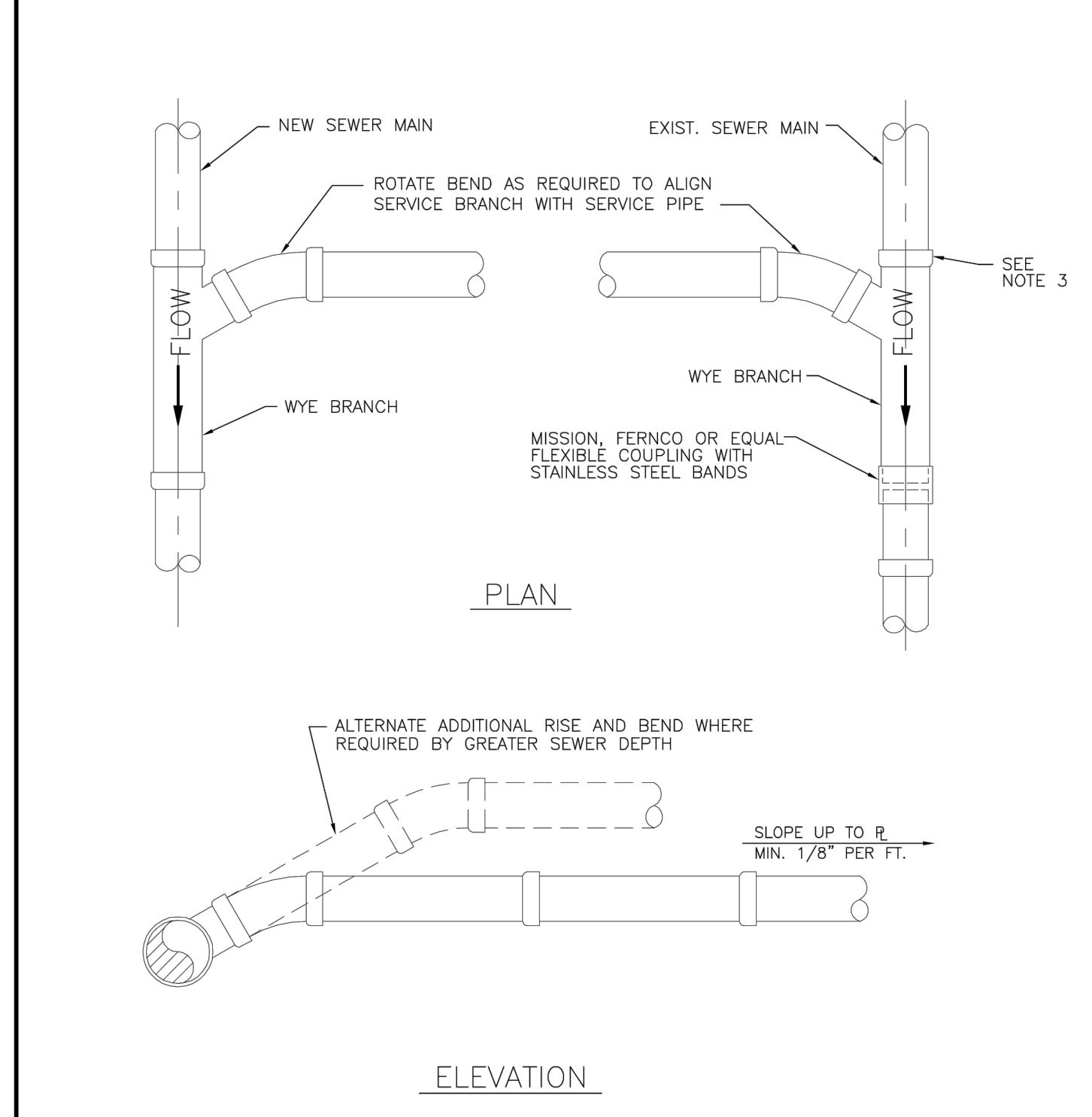
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 07/18/2018
	DRAWN: EAM	STANDARD PRECAST MANHOLE	DRAWING NO. S-03
	APPROVED: XXX		



NOTES:

- LETTERS ON COVER TO BE 3/8" HIGH, 1/4" TO 5/16" THICK AND FLUSH WITH TOP OF COVER.
- ALL BEARING SURFACES TO BE MACHINED.
- MINIMUM WEIGHTS: COVER - 160 LBS., TOTAL - 400 LBS.
- MANHOLE FRAME AND COVER SHALL BE U.S. FOUNDRY 485-C-ORS TYPE EL, WITH THE WORDS "SANITARY SEWER" CAST INTO THE COVER.

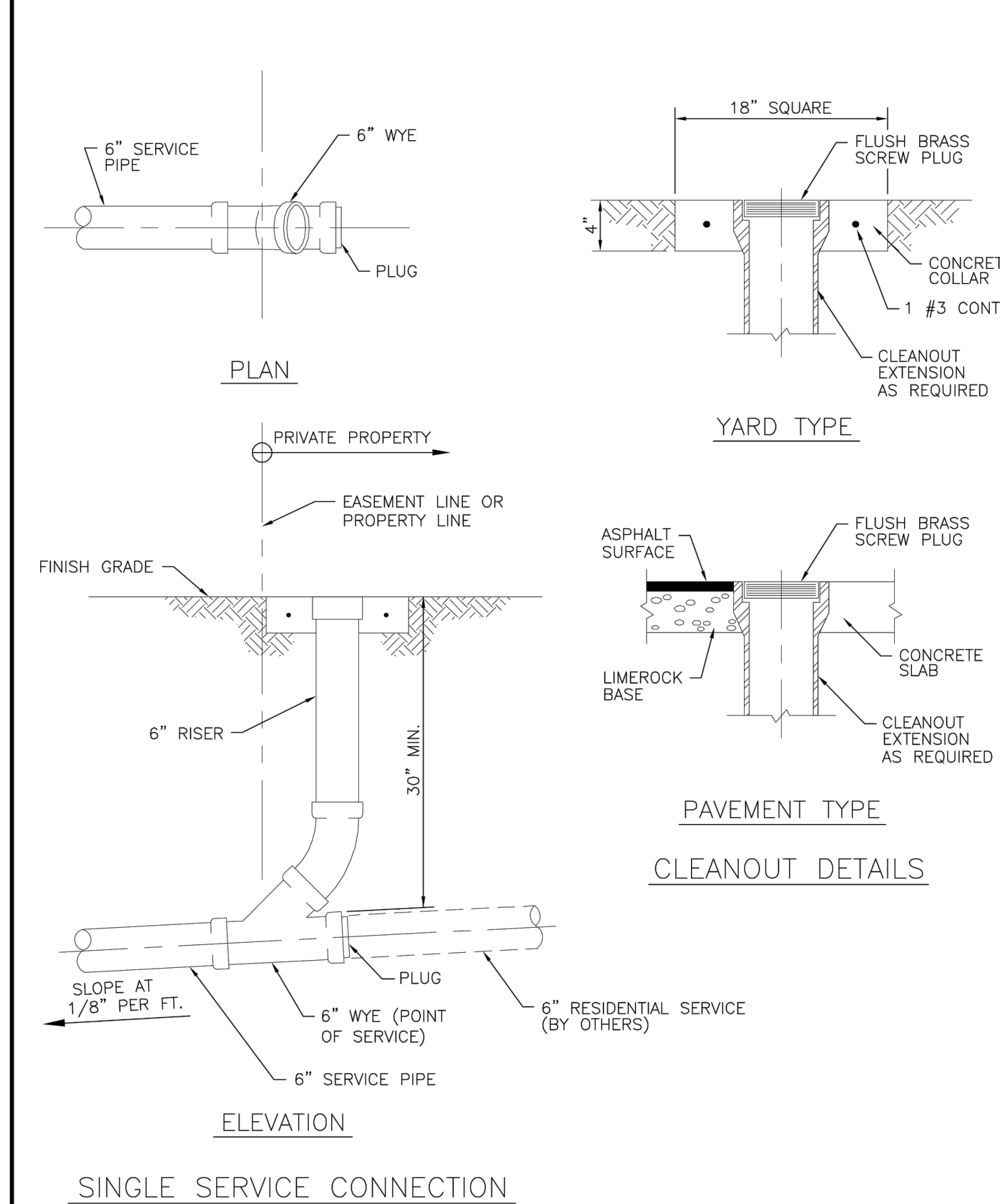
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	MANHOLE FRAME AND COVER CITY OF HOLLYWOOD	DRAWING NO. S-06.1
	APPROVED: XXX		



NOTES:

- SINGLE SERVICE CONNECTIONS SHALL USE 6" PIPE AND FITTINGS.
- USE RISER CONNECTIONS WHERE INVERT OF SEWER IS GREATER THAN 7'-0" DEEP.
- WHERE BELL OF WYE AND SPIGOT OF EXISTING MAIN ARE NOT COMPATIBLE, USE A SECOND FLEXIBLE COUPLING.

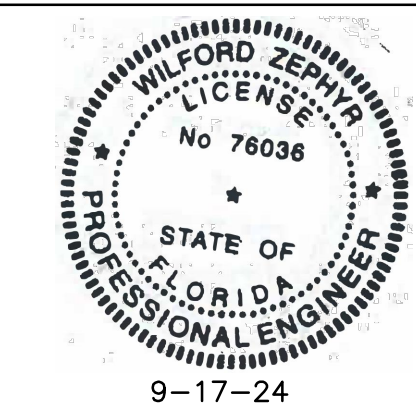
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	WYE BRANCH CONNECTION	DRAWING NO. S-09
	APPROVED: XXX		



	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	SEWER SERVICE CONNECTION AND CLEANOUT AT PROPERTY LINE	DRAWING NO. S-12
	APPROVED: XXX		

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UTILITIES DETAILS II

SCALE: N.T.S.

REVISIONS	
NO.	DATE

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 CA#: 311158

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 HOLLYWOOD, FL 33020

P.E.#: 78036

DATE: 11/11/20

SCALE: N.T.S.

SHEET NO. C10

10 OF 10

PROJECT NO.: 20-38