

1. NO GATE VALVES IN CURBS.
2. SLOPE OR PITCH SANITARY SEWER MANHOLE CASTINGS WITH DESIGN ROAD SECTIONS.
3. ALL SANITARY SEWER CLEANOUTS LOCATED IN ROADWAY ARE TO BE TRAFFIC-RATED.
4. WATER SHALL BE AVAILABLE TO FIRE HYDRANTS BEFORE INTERIOR BUILDING CONSTRUCTION CAN BEGIN.
5. ALL EXISTING WATER AND SANITARY SERVICES TO THE PROPERTY THAT ARE NOT BEING RE-USED SHALL BE CUT AND ABANDONED IN ACCORDANCE WITH THE PUBLIC UTILITY'S MINIMUM STANDARDS.
6. AFTER WATER AND SEWER CONNECTIONS, RESTORE ALL RIDE OF WAY (PAVEMENT, SIDEWALK, CURB, ETC.) IN ACCORDANCE WITH CITY OF HOLLYWOOD AND/OR BROWARD COUNTY MINIMUM STANDARDS.
7. ALL ELEVATIONS SHOWN IN THIS PLAN ARE IN THE NAVD DATUM.
8. ALL EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE EXISTING UTILITY INFORMATION SHOWN HERE IS FOR THE CONTRACTOR'S CONVENIENCE AND THE E.O.R. ACCEPTS NO RESPONSIBILITY FOR THEIR ACCURACY. BEFORE COMMENCING CONSTRUCTION CONTRACTOR TO CALL FOR UTILITY LOCATES, VERIFY ALL EXISTING UTILITIES' LOCATIONS AND DEPTHS, AND NOTIFY E.O.R. OF ANY CONFLICTS.

1. ALL PROPOSED FIRE MAINS, SERVICES, "SIAMSE" CONNECTION LINES ETC. MUST BE INSTALLED BY A STATE LICENSED FIRE PROTECTION CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER F.S. 833.102.
2. ALL FIRE LINES ARE TO BE INSPECTED BY CERTIFIED FIRE LINE INSPECTORS PRIOR TO BEING PLACED INTO SERVICE.
3. UPON COMPLETION OF REQUIRED TESTING A STATE LICENSED FIRE LINE CONTRACTOR SHALL ISSUE A "LICENSED UNDERGROUND TEST CERTIFICATE". THE CERTIFICATE MUST BE ISSUED AND THE FIRE LINE MUST BE ACCEPTED BY THE BROWARD COUNTY HEALTH DEPT. (WHERE APPLICABLE) PRIOR TO BEING PLACED INTO SERVICE.
4. FIRE LINE SYSTEM COMPONENTS (FDC, DDCV, FIRE LINE PIPING, ETC.) SHOWN ON THESE PLANS ARE TO BE COORDINATED WITH THE FIRE PROTECTION DRAWINGS AND DESIGN AND FIRE PROTECTION SHOP DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO INSTALLATION OF ANY PORTION OF THE FIRE PROTECTION SYSTEM.

1. SITE MAY CONTAIN EXISTING UTILITIES (DOMESTIC WATER, IRRIGATION, TELEPHONE, ELECTRIC, GAS, STORM DRAINAGE, SANITARY SEWER AND OTHERS);
2. ***NOT*** ALL EXISTING UTILITIES ARE SHOWN HEREON. SOME ARE SHOWN ON THIS PLAN AS OBTAINED FROM UTILITY LOCATES, ATLASES AND THE SURVEY.
3. ALL EXISTING UTILITIES WITHIN THE BOUNDARY OF THE SITE ARE TO BE REMOVED - EXCEPT WHERE NOT OTHERWISE (SUCH AS "TO REMAIN" TO BE RELOCATED" ETC.). THIS PLAN IS LIMITED TO WATER AND SANITARY SEWER ONLY, NO DESIGN OF FPL, COMCAST, GAS, TELEPHONE IS SHOWN HEREON.
4. CONTRACTOR IS RESPONSIBLE FOR SEQUENCING ALL UTILITY REMOVAL/RELOCATION SUCH THAT NO OTHER USER OF SAID IS AFFECTED.

	DOUBLE DETECTOR CHECK VALVE		EXIST. SANITARY SEWER MANHOLE
	RPZ BACKFLOW PREVENTORS		PROP. SANITARY SEWER MANHOLE
	GATE VALVE		PROP. SANITARY CLEAN OUT
	METER		PROP. METER VAULT
	TEE / TAP		
	FIRE HYDRANT		
	FIRE DEPT. CONNECTION		
	PROP. PLUG / CAP		PROP. BACTERIOLOGICAL SAMPLE
			PROP. REDUCER

PROP. SANITARY SEWER PIPE

PROP. WATER PIPE

EXIST. WATER PIPE

EXIST. SANITARY SEWER PIPE

EXIST. STORM PIPE

EXIST. ATT UNDERGROUND

EXIST. BROWARD TRAFFIC COMMUNICATIONS

EXIST. BROWARD FIBER OPTIC

EXIST. COMCAST UNDERGROUND

EXIST. ELECTRICAL UNDERGROUND

EXIST. FIBER OPTIC UNDERGROUND

SYMBOLS FOR FITTINGS, VALVES, ETC. ARE DIAGRAMMATIC ONLY AND DO NOT REFLECT ACTUAL SIZE; FOR ACTUAL DIMENSIONS REFER TO MANUFACTURER'S SPECIFICATIONS.

Architectural site plan of the University of Illinois at Urbana-Champaign. The plan shows the layout of the campus, including various buildings, roads, and green spaces. Key features include:

- A large building complex in the upper right, labeled "15' RCP".
- A central building complex, labeled "of 15' RCP".
- A large open area in the lower left, labeled "of 15' RCP".
- A road running horizontally across the middle of the plan.
- A road running vertically on the right side of the plan.
- Various smaller buildings and structures scattered throughout the campus.
- Green spaces and landscaping elements, including trees and lawns.

$$54 \text{ UNITS} \times 2.5 \text{ (POPULATION PER UNIT)} = 135 \text{ (TOTAL POPULATION)}$$

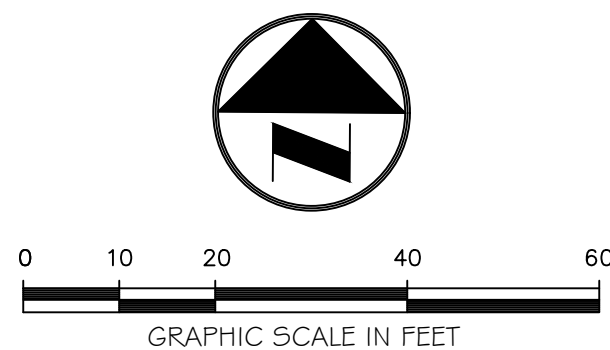
$$135 \times 100 \text{ (PER CAPITA FLOW IN GPD)} = 13,500 \text{ GPD}$$

BUILDING TYPE PER NFPA 222: TYPE II
FIRE FLOW AREA PER NFPA1: 48,624 SF (16,208 X 3)
MINIMUM FLOW PER NFPA1 @ 20 PSI: 2,750 GPM
MINIMUM FLOW WITH 75% REDUCTION FOR FULLY
SPRINKLERED BUILDINGS: 2,750 x 0.25 = 687.50 GPM
MINIMUM FLOW REQUIRED = 1000 GPM

FLOW TEST RESULTS
PERFORMED: 01/07/26
STATIC PRESSURE: 55 PSI
RESIDUAL PRESSURE: 44 PSI
FLOW RATE: 960 GPM
RESULTANT FLOW @ 20 PSI: 2260 GPM

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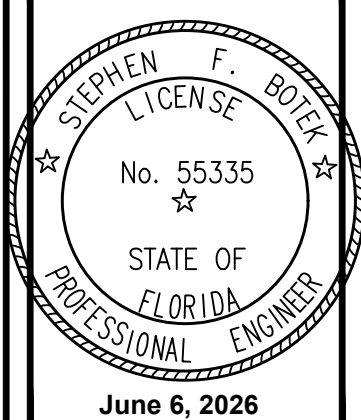
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WATER AND SANITARY SEWER PLAN

EMERALD HILLS

D - North 40th Avenue
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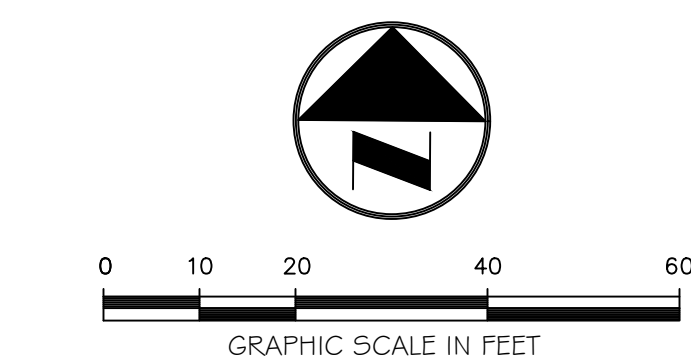
BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:

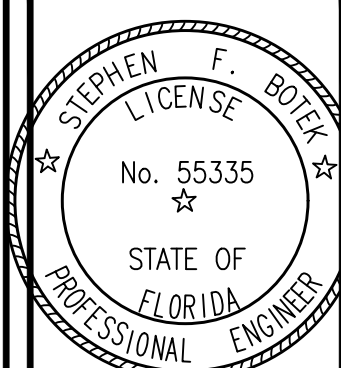
CD-WS-1

MATCHLINE - SEE SHEET CD-WS-3



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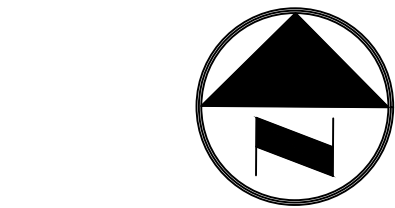
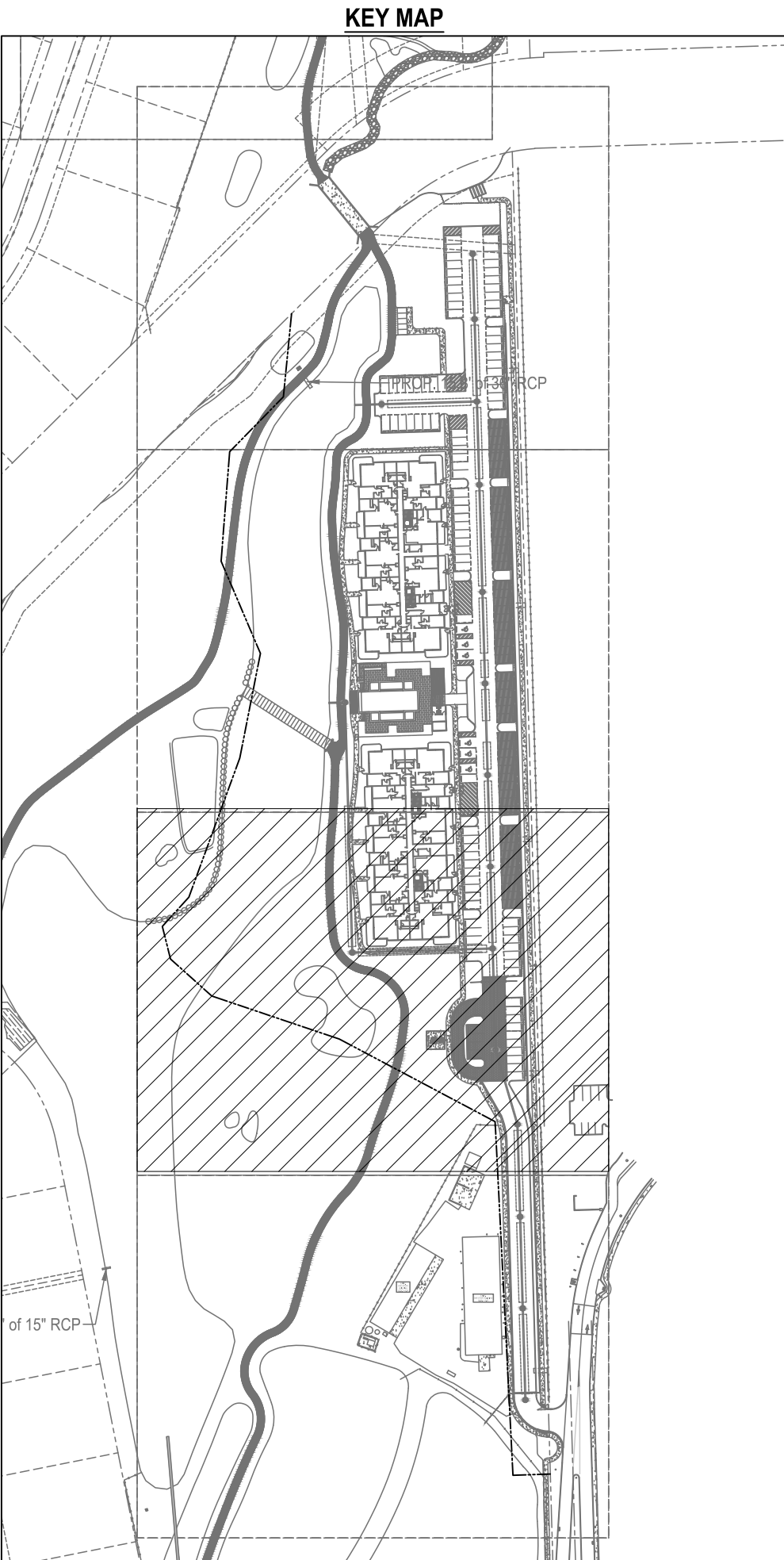
MATCHLINE - SEE SHEET CD-WS-2

MATCHLINE - SEE SHEET CD-WS-4

WATER AND SEWER LEGEND			
	DOUBLE DETECTOR CHECK VALVE		EXIST. SANITARY SEWER MANHOLE
	RPZ BACKFLOW PREVENTORS		PROP. SANITARY SEWER MANHOLE
	GATE VALVE		PROP. SANITARY CLEAN OUT
	METER		PROP. METER VAULT
	TEE / TAP		PROP. BACTERIOLOGICAL SAMPLE
	FIRE HYDRANT		PROP. REDUCER
	FIRE DEPT. CONNECTION		
	PROP. PLUG / CAP		
PROP. SANITARY SEWER PIPE			
	PROP. WATER PIPE		PROP. EXISTING INVERT ELEVATION
	EXIST. WATER PIPE		M.H. BACKFLOW PREVENTOR
	EXIST. SANITARY SEWER PIPE		G.V. GATE VALVE
	EXIST. STORM PIPE		D.D.C.V. DOUBLE DETECTOR CHECK VALVE
	EXIST. ATT. UNDERGROUND		FIRE DEPT. CONNECTION
	EXIST. BROADBAND FIBER OPTIC		
	EXIST. COMCAST UNDERGROUND		
	EXIST. ELECTRICAL UNDERGROUND		
	EXIST. FIBER OPTIC UNDERGROUND		
			EXIST. UNKNOWN UNDERGROUND
			EXIST. FR. UNDERGROUND
			EXIST. ELECTRICAL UNDERGROUND
			EXIST. ATT. UNDERGROUND
			EXIST. OVERHEAD
			EXIST. TELEPHONE UNDERGROUND

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REFER TO SHEET CD-WS-1 FOR WATER AND SEWER GENERAL NOTES



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GRAPHIC SCALE IN FEET

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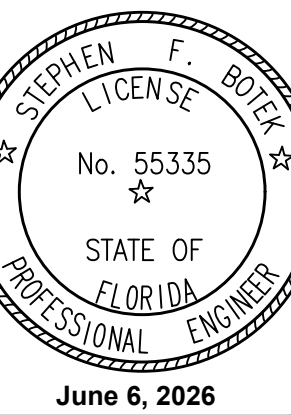
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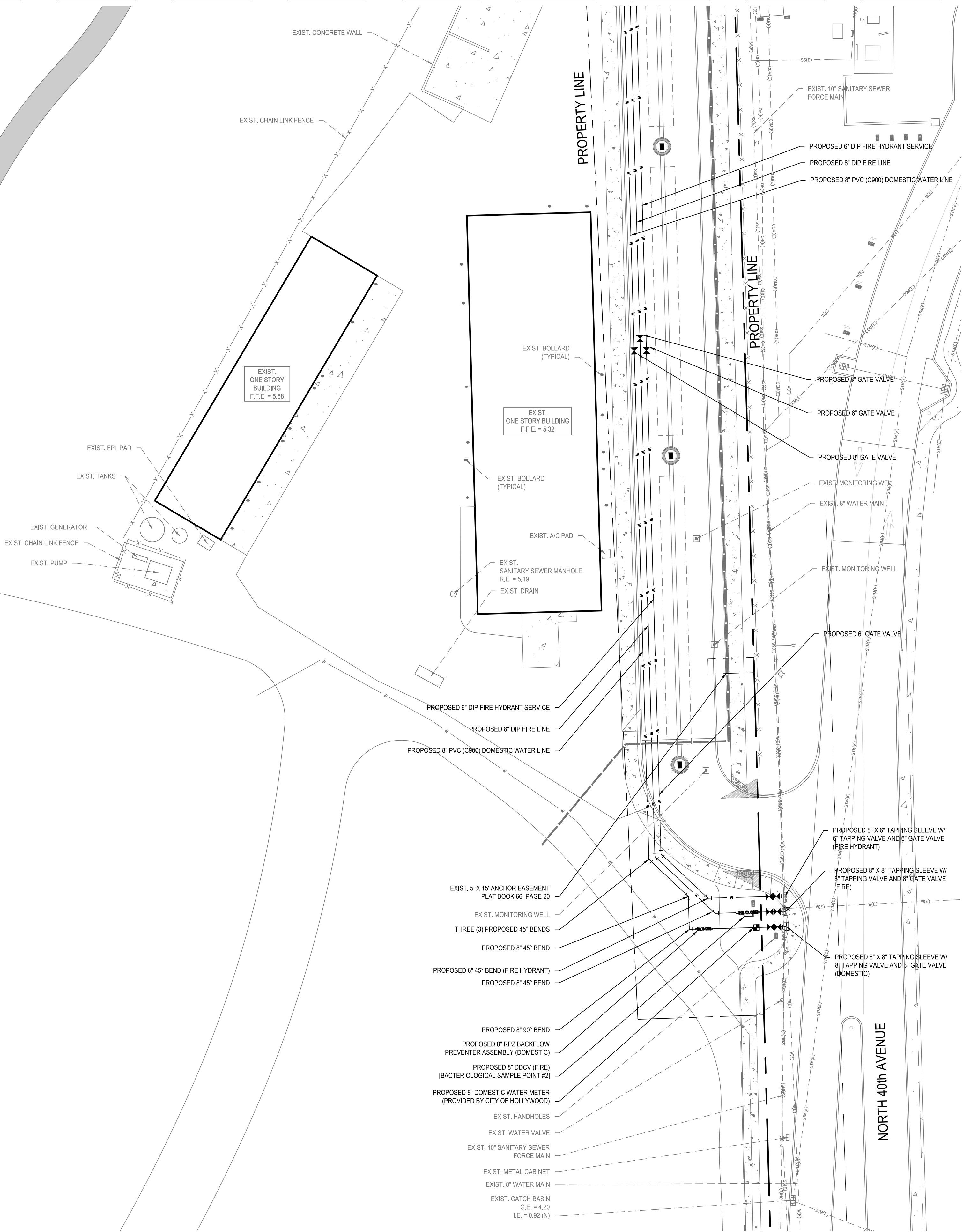
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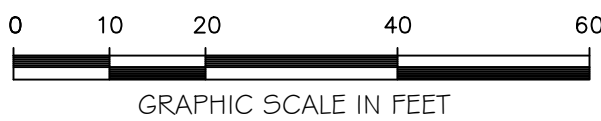
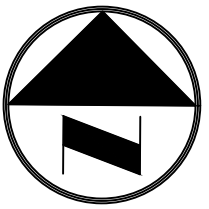
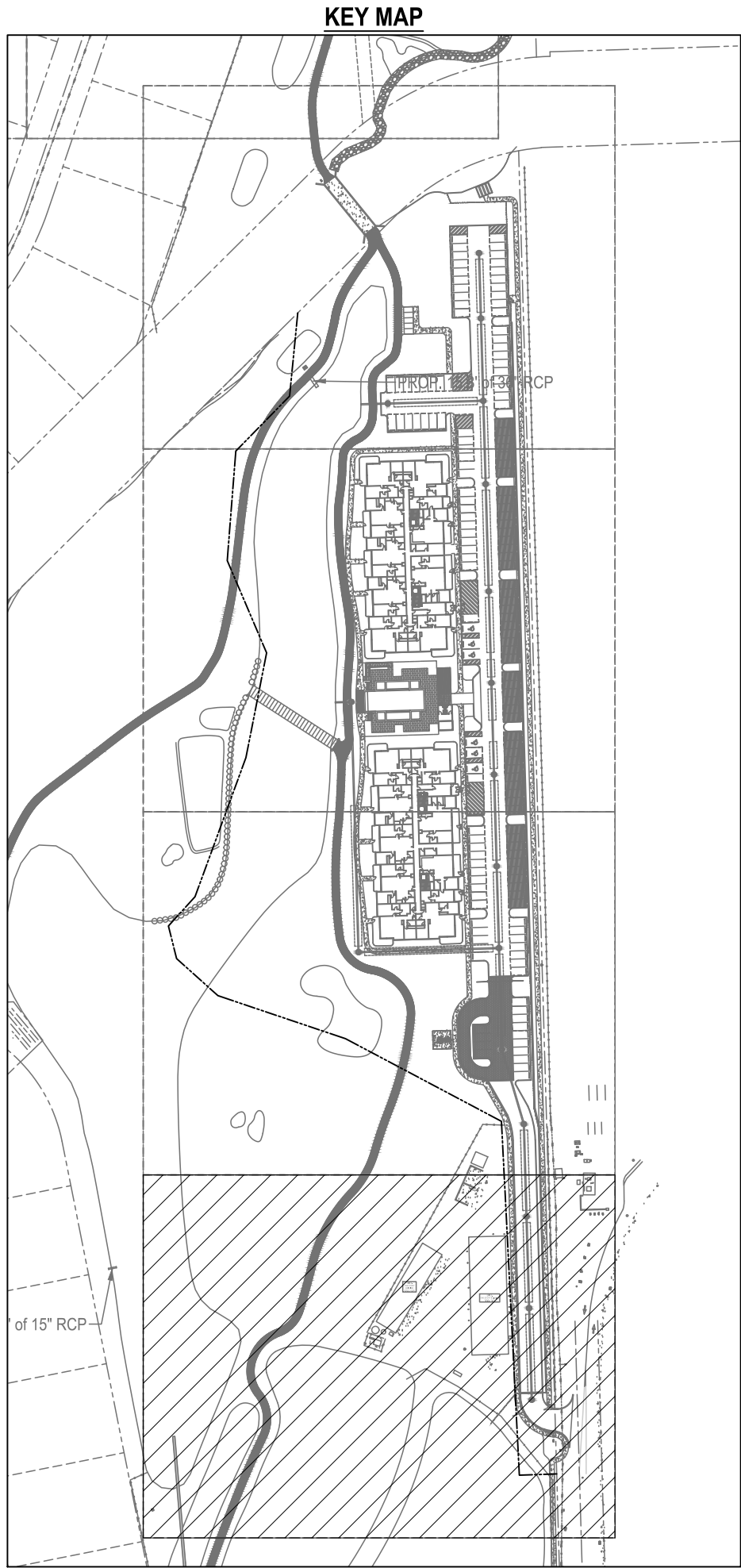
MATCHLINE - SEE SHEET CD-WS-3



WATER AND SEWER LEGEND			
	DOUBLE DETECTOR CHECK VALVE		EXIST. SANITARY SEWER MANHOLE
	RPZ BACKFLOW PREVENTORS		PROP. SANITARY SEWER MANHOLE
	GATE VALVE		PROP. SANITARY CLEAN OUT
	METER		PROP. METER VAULT
	TEE / TAP		PROP. BACTERIOLOGICAL SAMPLE
	FIRE HYDRANT		PROP. REDUCER
	FIRE DEPT. CONNECTION		
	PROP. PLUG / CAP		
PROP. SANITARY SEWER PIPE		ABBREVIATIONS	
	PROP. WATER PIPE		PROP. EXISTING INVERT ELEVATION
	EXIST. WATER PIPE		M.H. MANHOLE
	EXIST. SANITARY SEWER PIPE		B.F.P. BACKFLOW PREVENTOR
	EXIST. STORM PIPE		G.V. GATE VALVE
	EXIST. ATT. UNDERGROUND		D.D.C.V. DOUBLE DETECTOR CHECK VALVE
	EXIST. BROADBAND FIBER OPTIC		F.D.C. FIRE DEPT. CONNECTION
	EXIST. COMCAST UNDERGROUND		
	EXIST. ELECTRICAL UNDERGROUND		EXIST. UNKNOWN UNDERGROUND
	EXIST. FIBER OPTIC UNDERGROUND		EXIST. FPL UNDERGROUND
			EXIST. ELECTRICAL UNDERGROUND
			EXIST. ATT. UNDERGROUND
			EXIST. OVERHEAD
			EXIST. TELEPHONE UNDERGROUND

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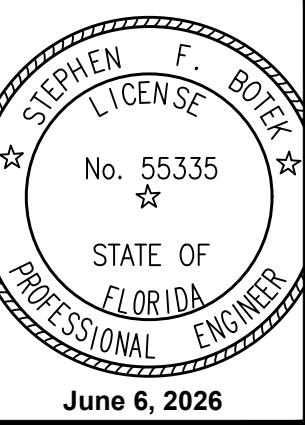


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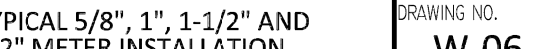
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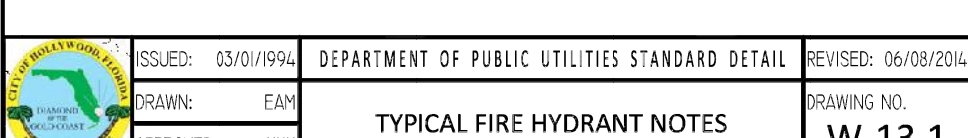
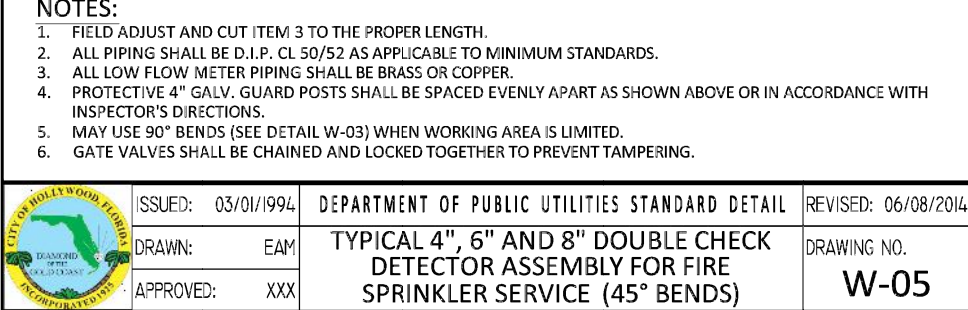
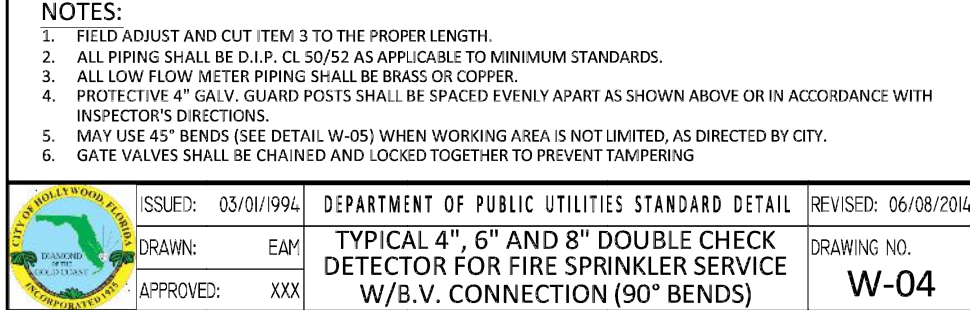
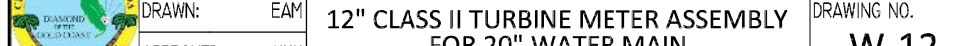
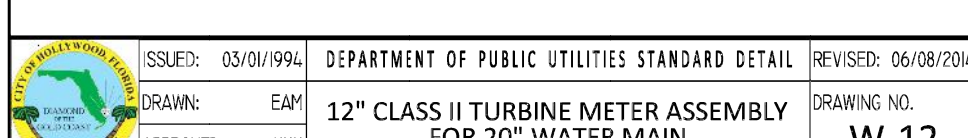
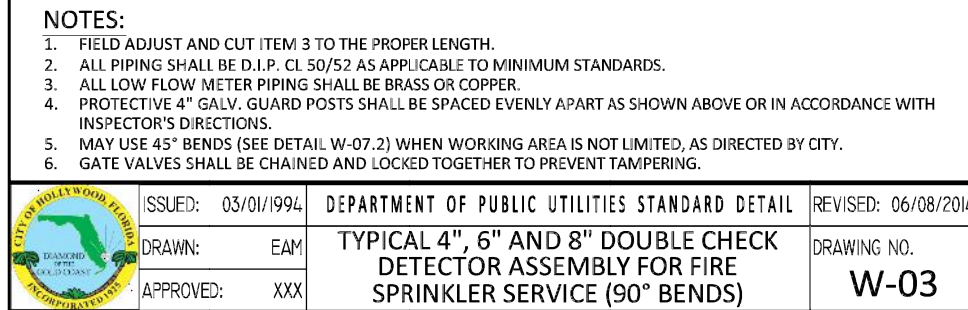
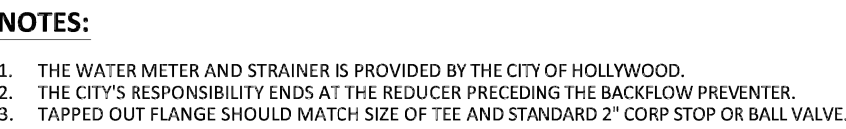
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CD-WS-4

1. NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE Laid SO THAT THE TOP OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE.
2. NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR OTHER EXISTING OR PROPOSED PRESSURE TYPE WATER MAIN SHALL BE Laid AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
3. AT ALL UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED OVER THE OTHER PIPELINE. THE CROSSING SHALL BE MADE IN ACCORDANCE WITH ANCA METHODS A. THE PIPELINE OR THE PIPES WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 12 INCHES FROM THE OTHER PIPELINE. THE CROSSING SHALL BE MADE IN ACCORDANCE WITH ANCA METHODS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART OF CHAPTER 62-430, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE TYPE SANITARY SEWERS, WASTEWATERS, OR STORM SEWERS. THE CROSSING SHALL BE MADE IN ACCORDANCE WITH PART III OF CHAPTER 62-610, F.A.C. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
4. NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON (D.I.P.) WHEN CROSSING BELOW SANITARY SEWER MAINS:

POLYETHYLENE ENCASEMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE. POLYETHYLENE TUBING SHALL BE USED TO ENCASE POLYETHYLENE ENCASEMENT MATERIAL. THE POLYETHYLENE TUBING SHALL BE CUT TWO FEET LONGER THAN THE PIPE SECTION AND SHALL OVERLAP THE ENDS OF THE PIPE BY ONE FOOT. THE POLYETHYLENE TUBING SHALL BE GATHERED AND LAPPED TO COVER THE ENTIRE FIT AND END OF THE PIPE. THE POLYETHYLENE TUBING SHALL BE SECURED WITH A WRAP OF POLYETHYLENE TAPE.
5. THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND REDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATER TIGHT ENCASEMENT. DAMAGED POLYETHYLENE ENCASEMENT SHALL BE REPAIRED. POLYETHYLENE ENCASEMENT SHALL BE REPAIRED BY REPLACING THE POLYETHYLENE TUBING. POLY WRAP WILL NOT BE PAID FOR AS A SEPARATE BID ITEM. IT SHALL BE CONSIDERED TO BE A PART OF THE POLYETHYLENE ENCASEMENT.
6. FIRE HYDRANT BARRELS SHALL BE ENCASED IN POLY WRAP UP TO THE GROUND SURFACE AND THE WHEEL HOLES SHALL NOT BE COVERED BY THE POLY WRAP.
7. GATE VALVES FOR USE WITH PIPE LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE RATED FOR TWO HUNDRED (200) PSI WORKING PRESSURE. NON-SHOCK, BLOCK PATTERN, SCREWED BONNET, NON-RISING STEM, BRASS BODY, AND SOLID WEDGE, SHALL BE STANDARD THREADED FOR P.V.C. AND BELL END SHALL BE NON-HANDTIGHT. GATE VALVES 3" THROUGH 16" IN DIAMETER SHALL BE RUBBER SEAT AND BIDIRECTIONAL FLOW ONLY. VALVES FOR SPECIAL APPLICATIONS WILL REQUIRE CITY UTILITY APPROVAL.
8. VALVE BOXES AND COVERS FOR ALL VALVE SIZES SHALL BE OF CAST IRON CONSTRUCTION AND ADJUSTABLE TO THE DEPTH OF THE VALVE. THE VALVE BOXES SHALL BE 18" NOMINAL DIAMETER AND SHALL BE SUITABLE FOR DEPTHS OF THE PARTICULAR VALVE. THE STEM OF THE BURIED VALVE SHALL BE WITHIN TWENTY-FOUR INCHES (24") OF THE GROUND SURFACE UNLESS OTHERWISE APPROVED BY THE CITY.
9. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.



1. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62.955.230 F.A.C.
2. ALL PVPING MUST COMPLY WITH THE REQUIREMENTS OF ANSI/AWWA C900 LATEST REVISION AND CLASS 150 PIPING WITH 14.32 MPa (2075 PSI) TENSILE STRENGTH AND 1.59 MM (1/16") WALL THICKNESS.
3. ALL CVC PIPING MUST COMPLY TO THE REQUIREMENTS OF ANSI/AWWA C104 LATEST REVISION AND CLASS 150 PIPING WITH 14.32 MPa (2075 PSI) TENSILE STRENGTH AND 1.59 MM (1/16") WALL THICKNESS.
4. ALL DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C151 LATEST REVISION AND CLASS 150 PIPING WITH 14.32 MPa (2075 PSI) TENSILE STRENGTH AND 1.59 MM (1/16") WALL THICKNESS.
5. FITTINGS SHALL COMPLY WITH DUCTILE IRON MEETING ANSI/AWWA C151 LATEST REVISION SPECIFICATIONS, WITH 300 PSI TENSILE STRENGTH AND 1.59 MM (1/16") WALL THICKNESS. ALL FITTINGS SHALL BE MANUFACTURED BY ANSI/AWWA C104 L4-03. ALL DUCTILE IRON PIPE AND FITTINGS MUST BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
6. ALL DUCTILE IRON PIPE TO BE MECHANICAL JOINTS, WRAPPED IN PIPE ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE CITY.
7. PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY.
8. ALL TRENCHING, PIPE LAYING, BACKFILL, PRESSURE TESTING, AND DISINSECTING MUST COMPLY WITH THE CITY OF HOLLYWOOD SPECIFICATIONS.
9. THE MINIMUM DEPTH OF COVER OVER WATER MAINS IS 30" (DI) OR 36" (PVC).
10. MINIMUM HORIZONTAL SEPARATION BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 3'.
11. MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 50% OF MANUFACTURER RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS IDENTIFIED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR WATER MAINS PLACED AT DEPTH OF COVER IN EXISTING TRENCHES. WATER MAIN SHALL BE LOWERED TO PASS UNDER EXISTING TRENCHES WITH 18" MINIMUM VERTICAL SEPARATION. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.
13. PIPE JOINT RESTRAINT SHALL BE PROVIDED BY THE USE OF DUCTILE IRON FOLLOWER GLANDS AND TIGHTENING TO ASTM A 536-80. TIGHTENING NUTS SHALL BE USED TO INSURE PROPER ACTING OF THE RESTRAINING DEVICES. THE MECHANICAL JOINT RESTRAINING DEVICES SHALL HAVE A WORKING PRESSURE OF 200 PSI MINIMUM, WITH A MINIMUM SAFETY FACTOR OF 2:1, AND SHALL BE EBA (IRON, INCL) OR APPROVED EQUIV. ONLY. THE RESTRAINT SHALL BE PLACED AT A MINIMUM OF 5' FROM THE JOINTS (6' FEET) FROM ANY FITTING.
14. 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 REQUIRED TO SUPPORT THE EXISTING TRENCHES AND TO PREVENT COLLAPSE, 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.

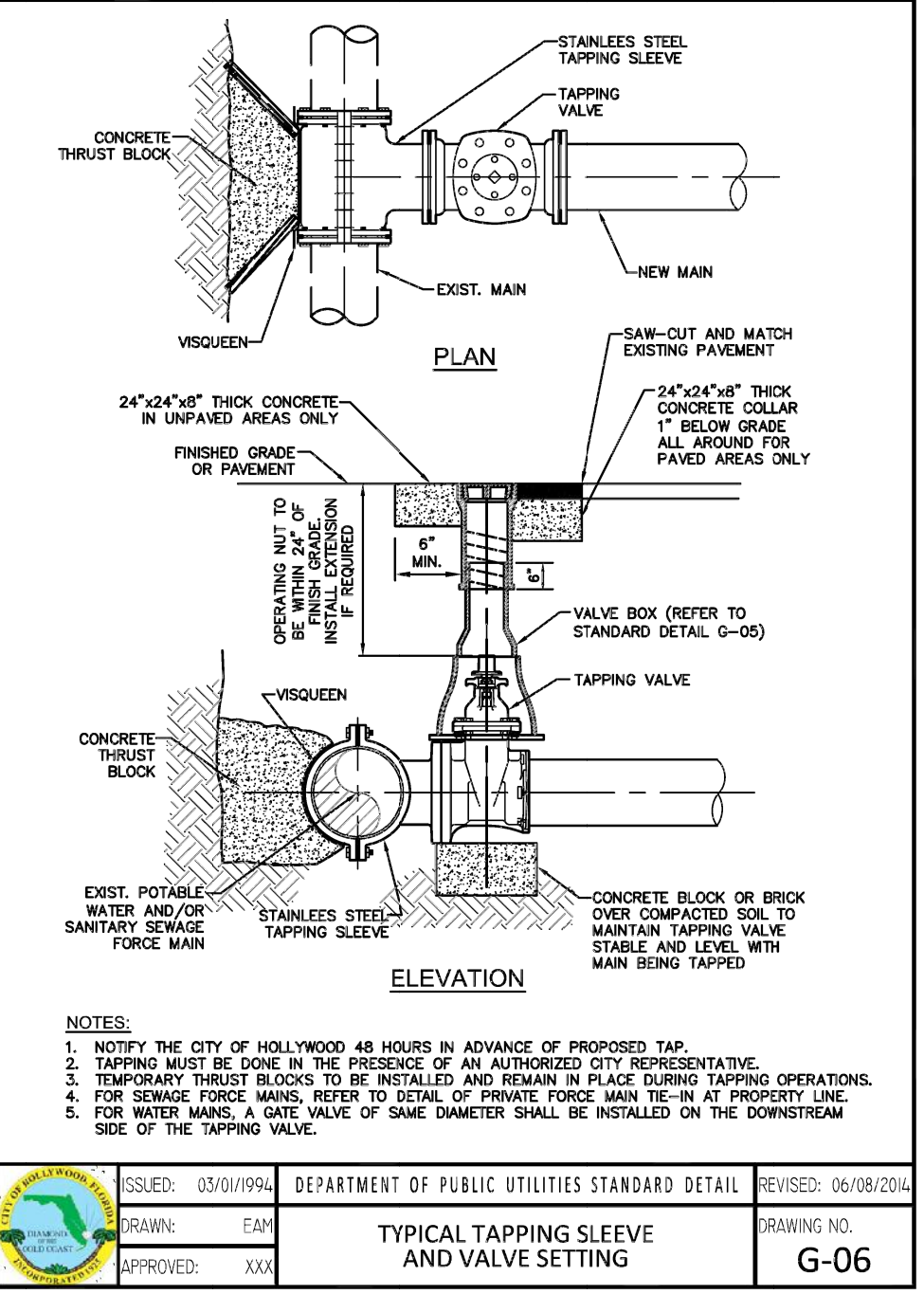
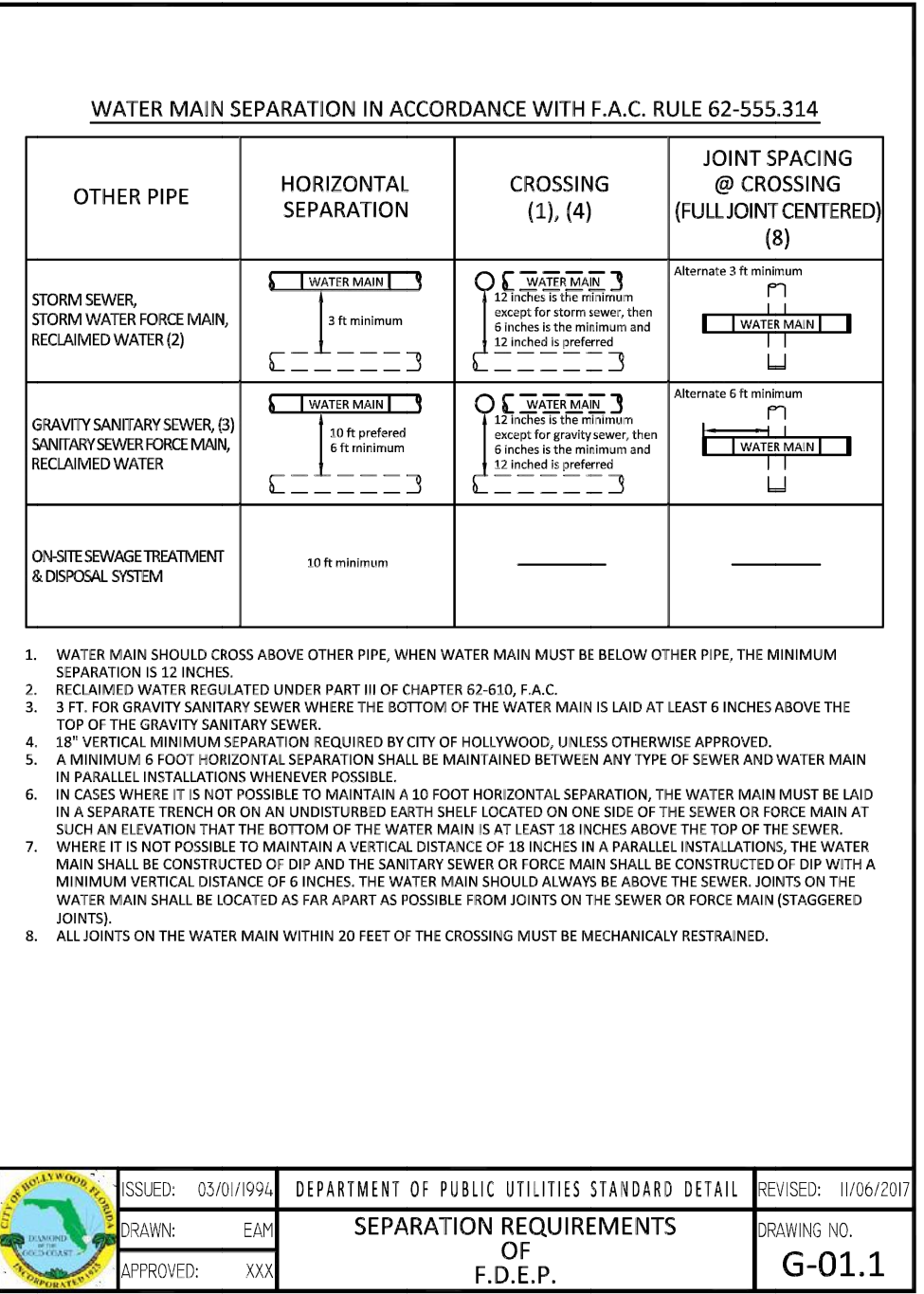
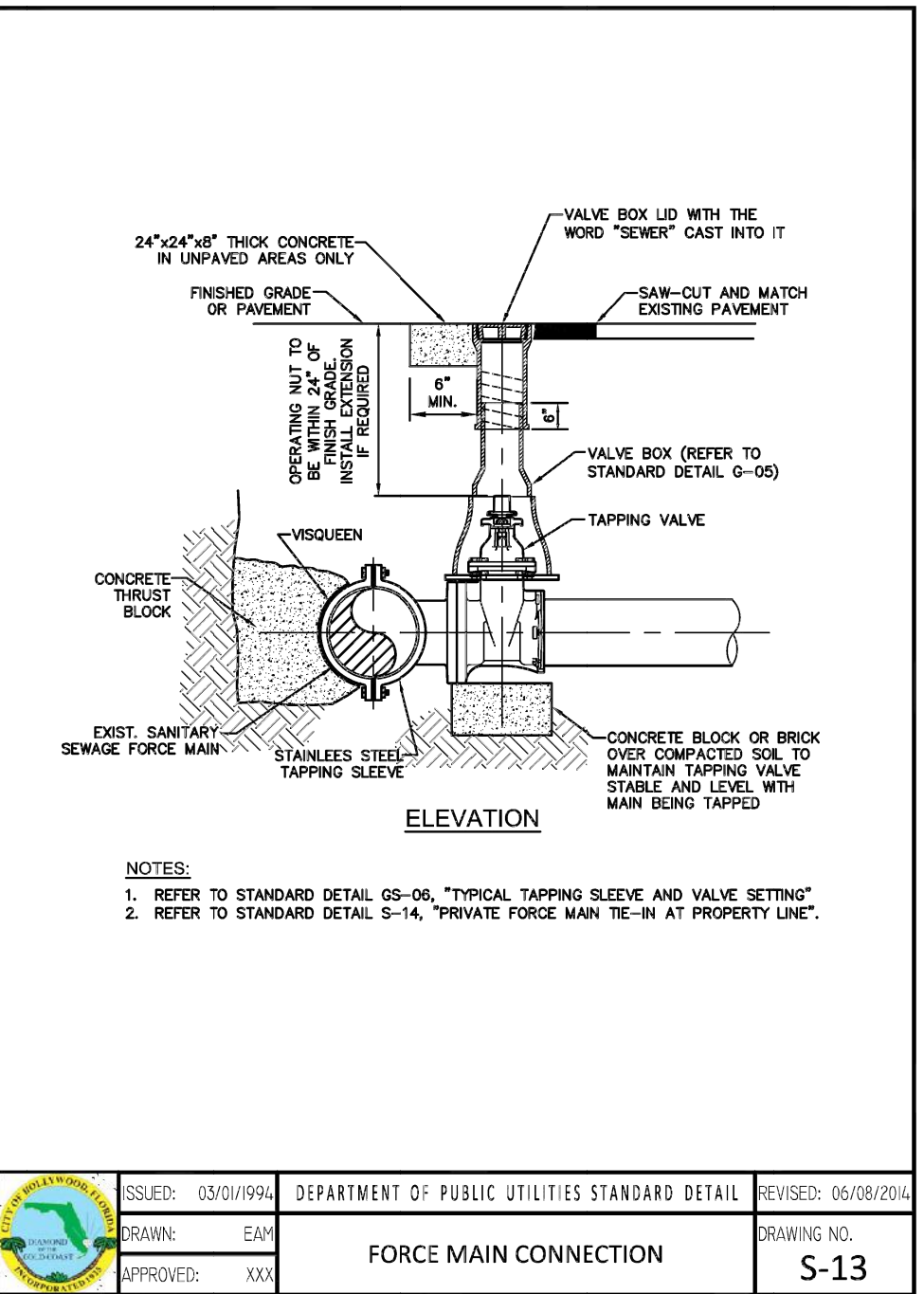
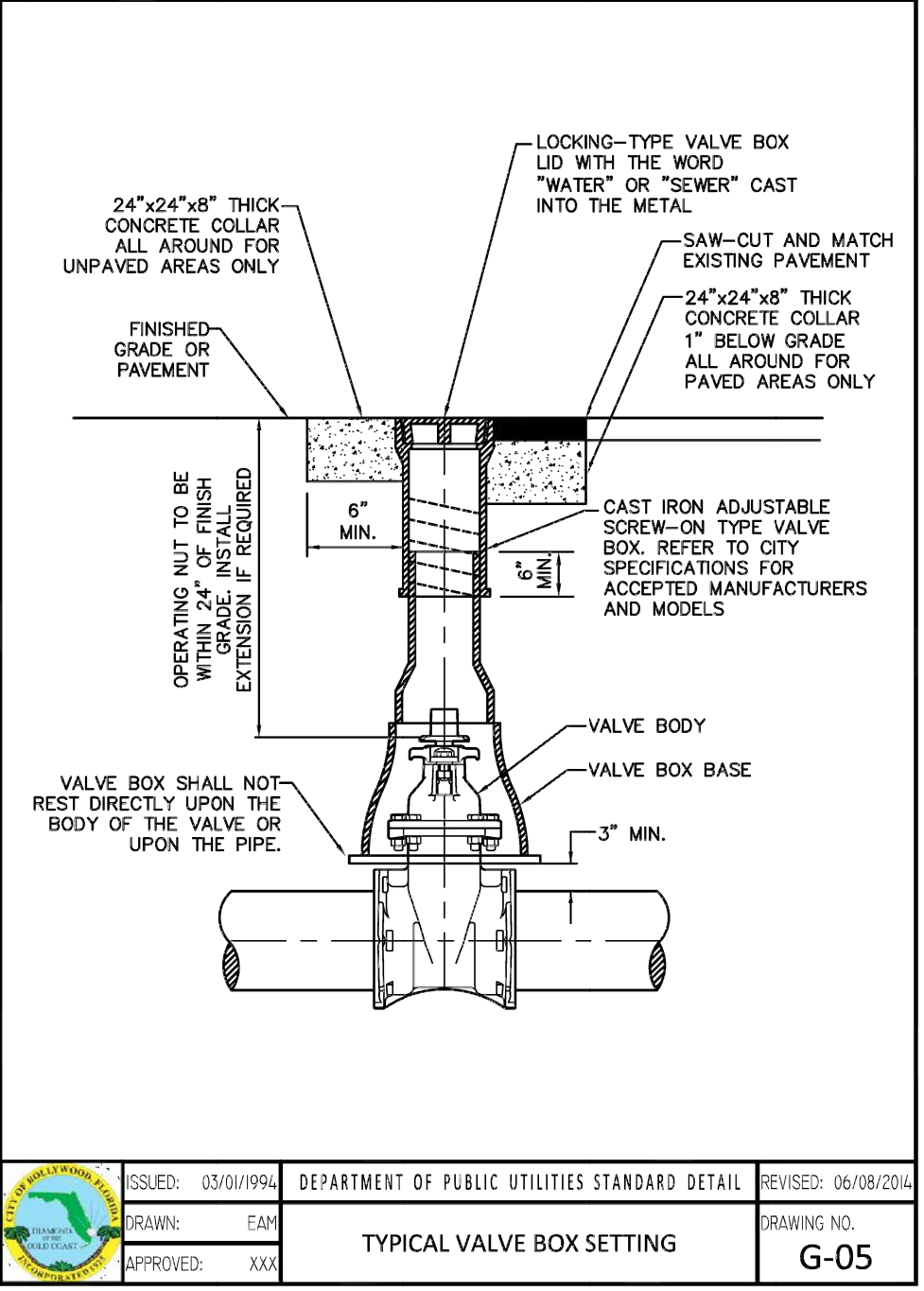
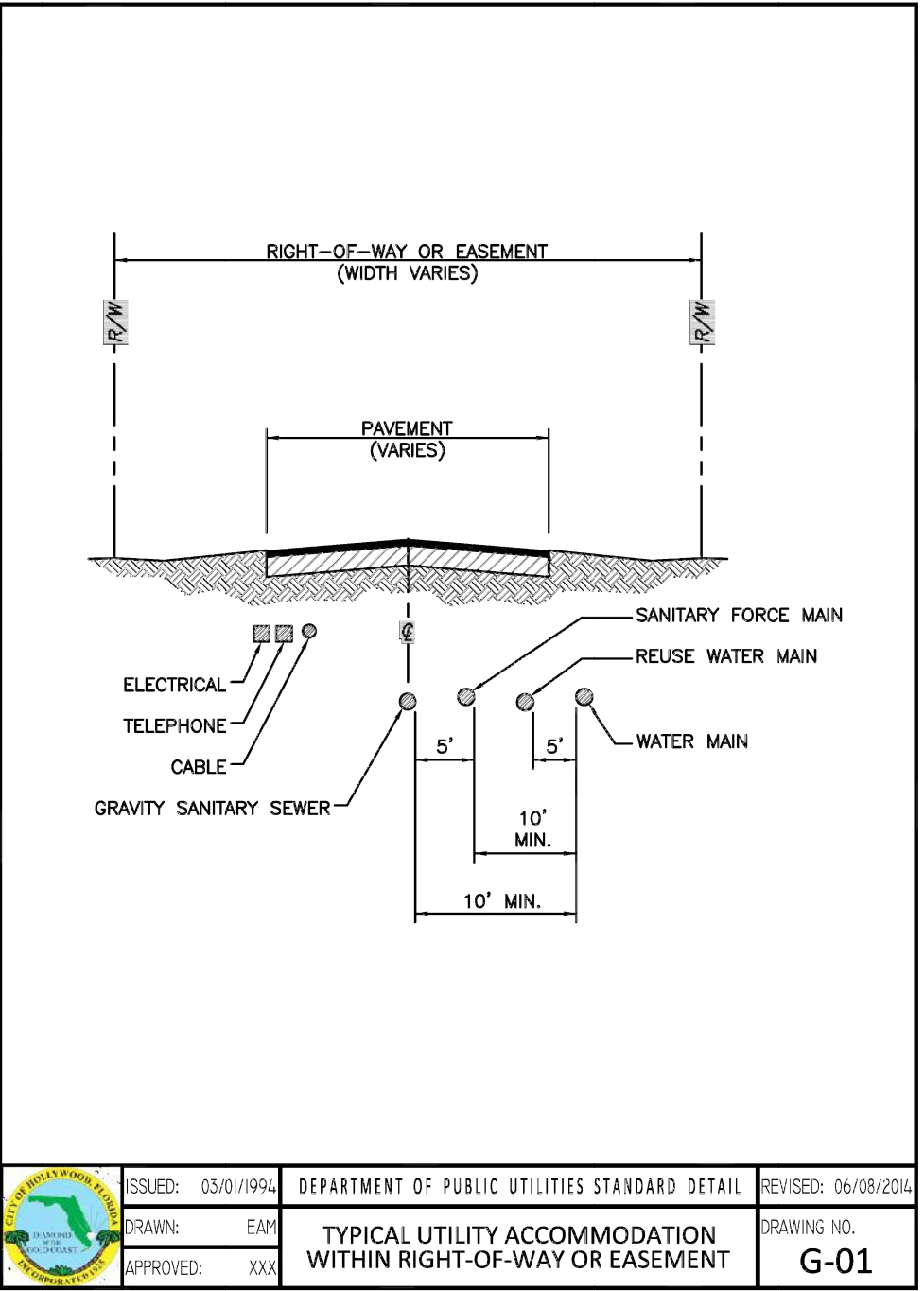
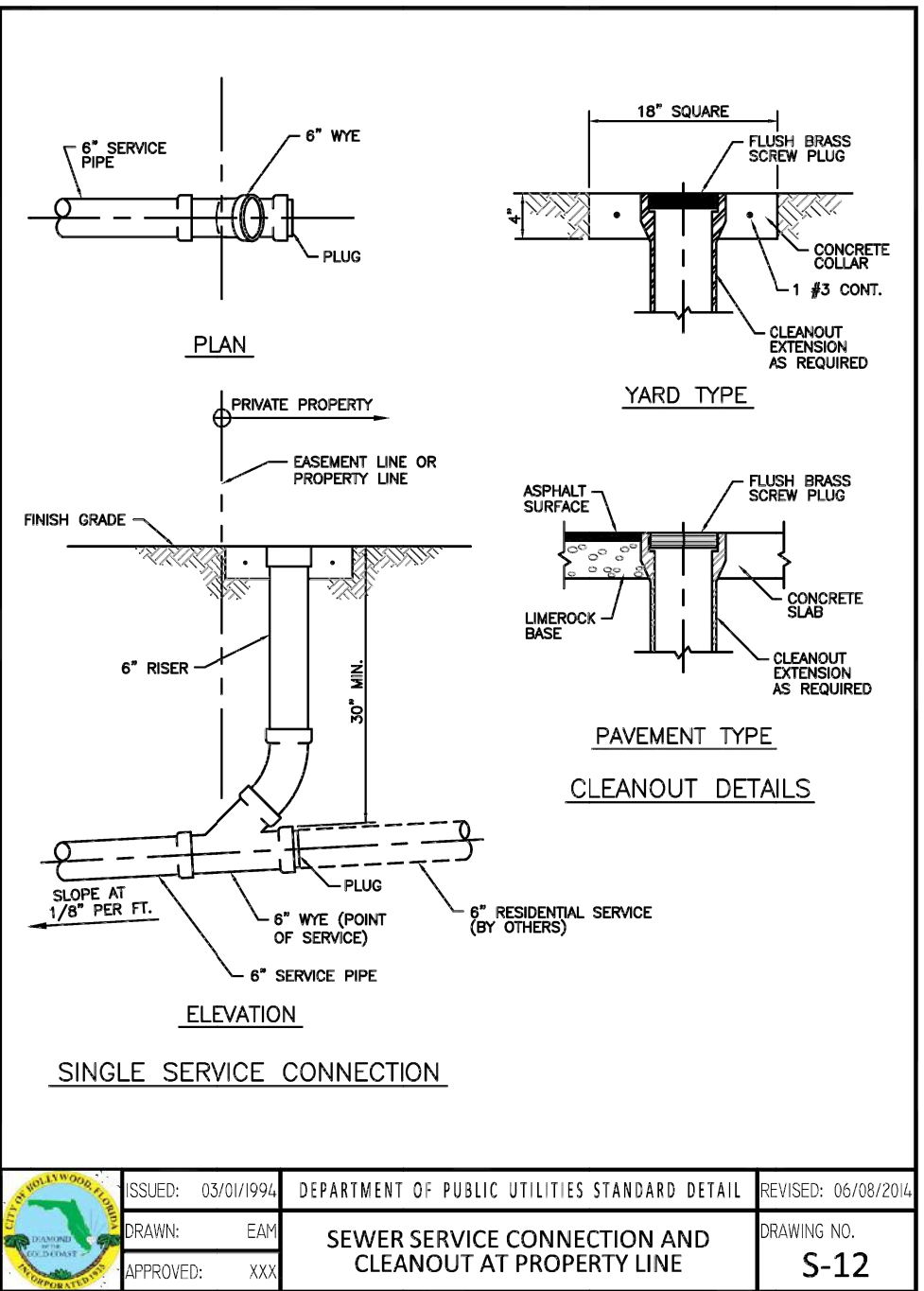
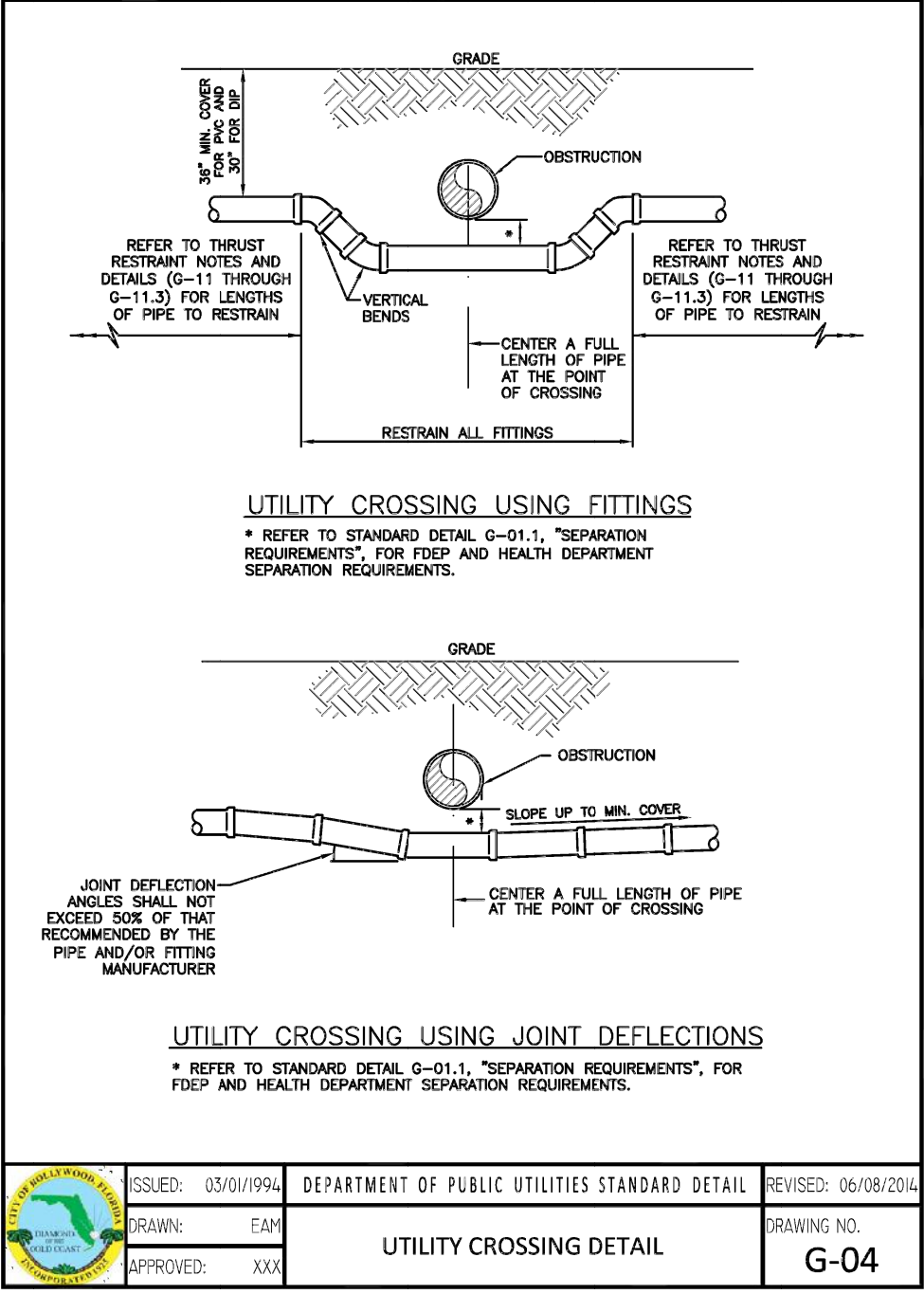
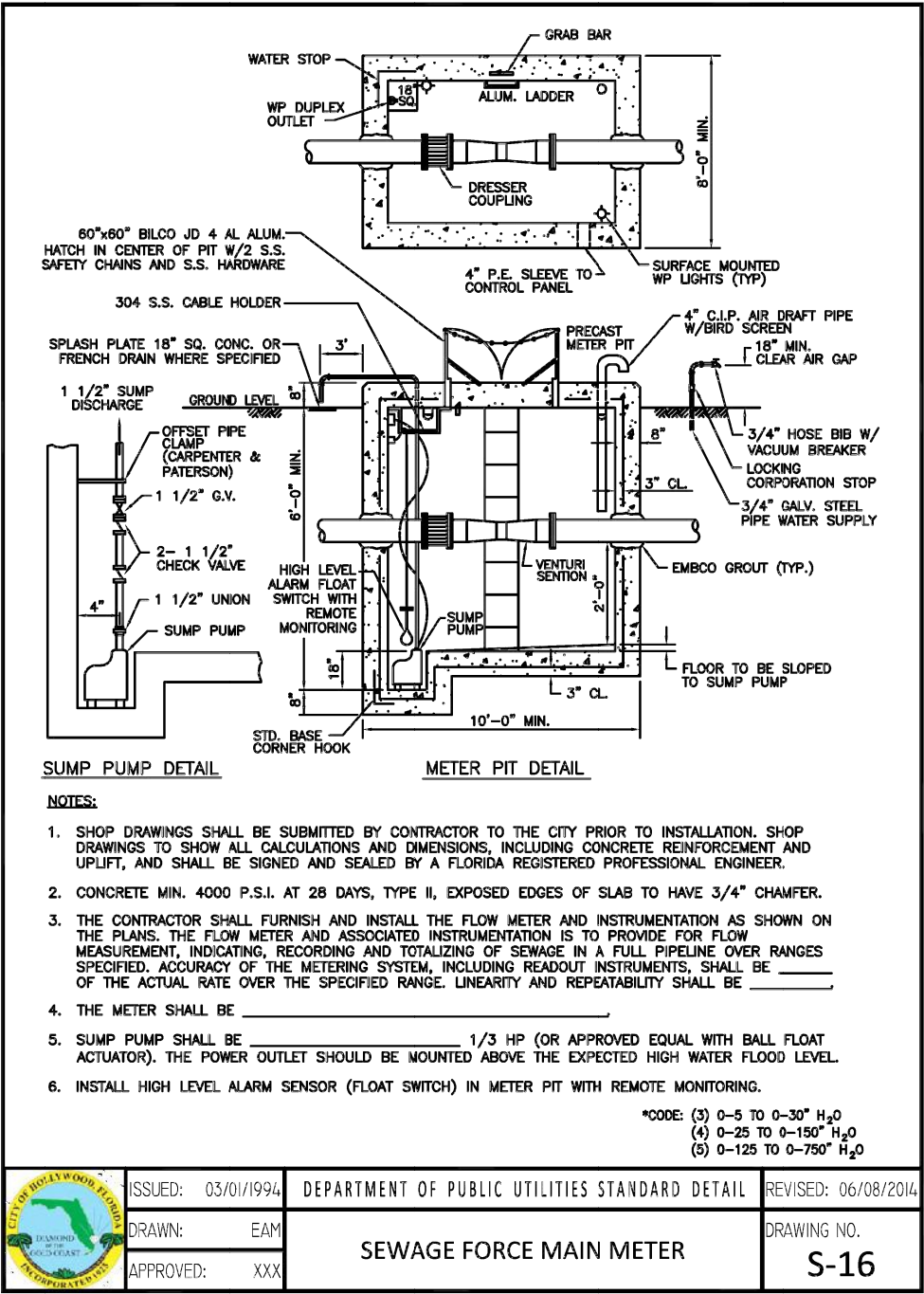
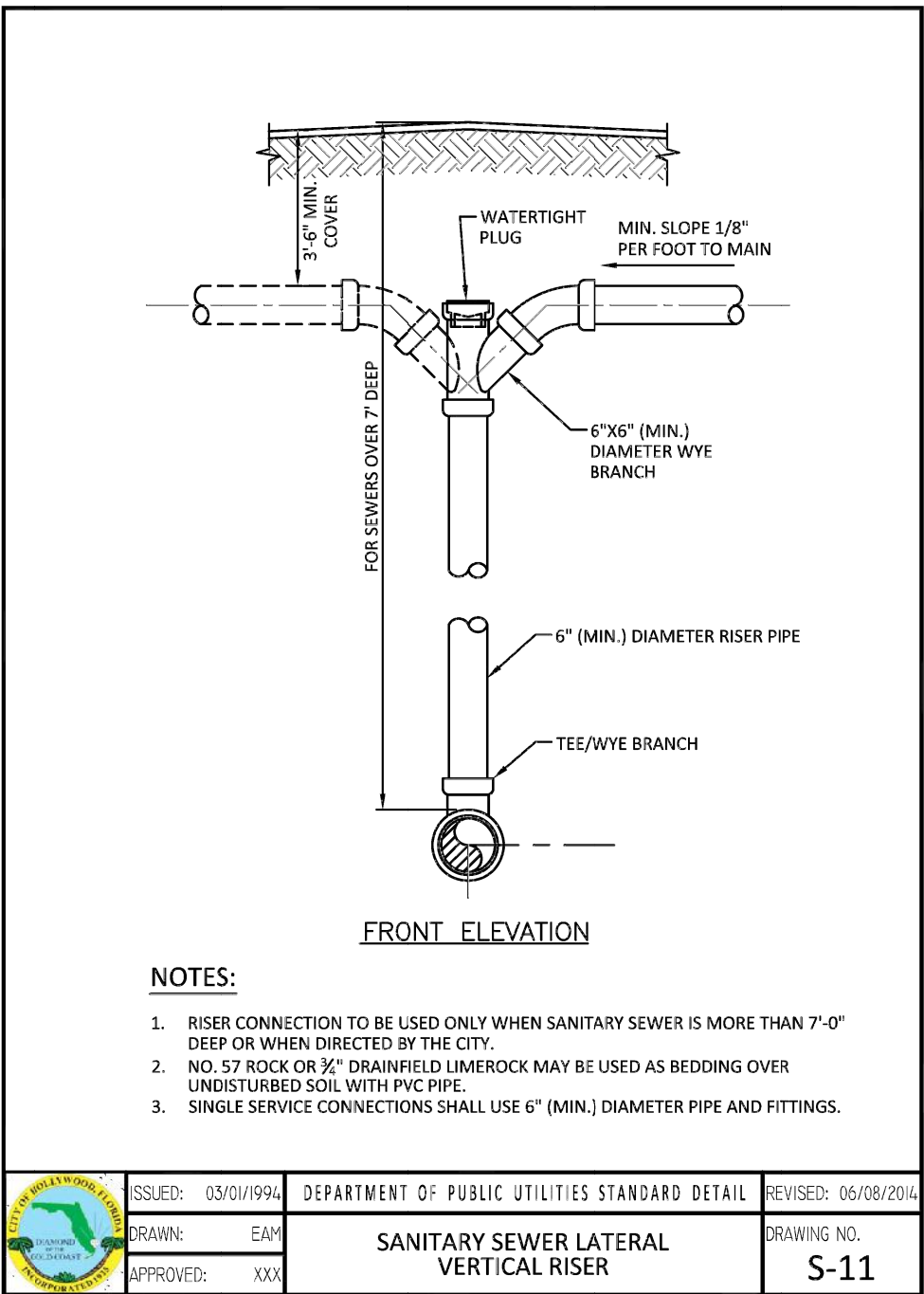
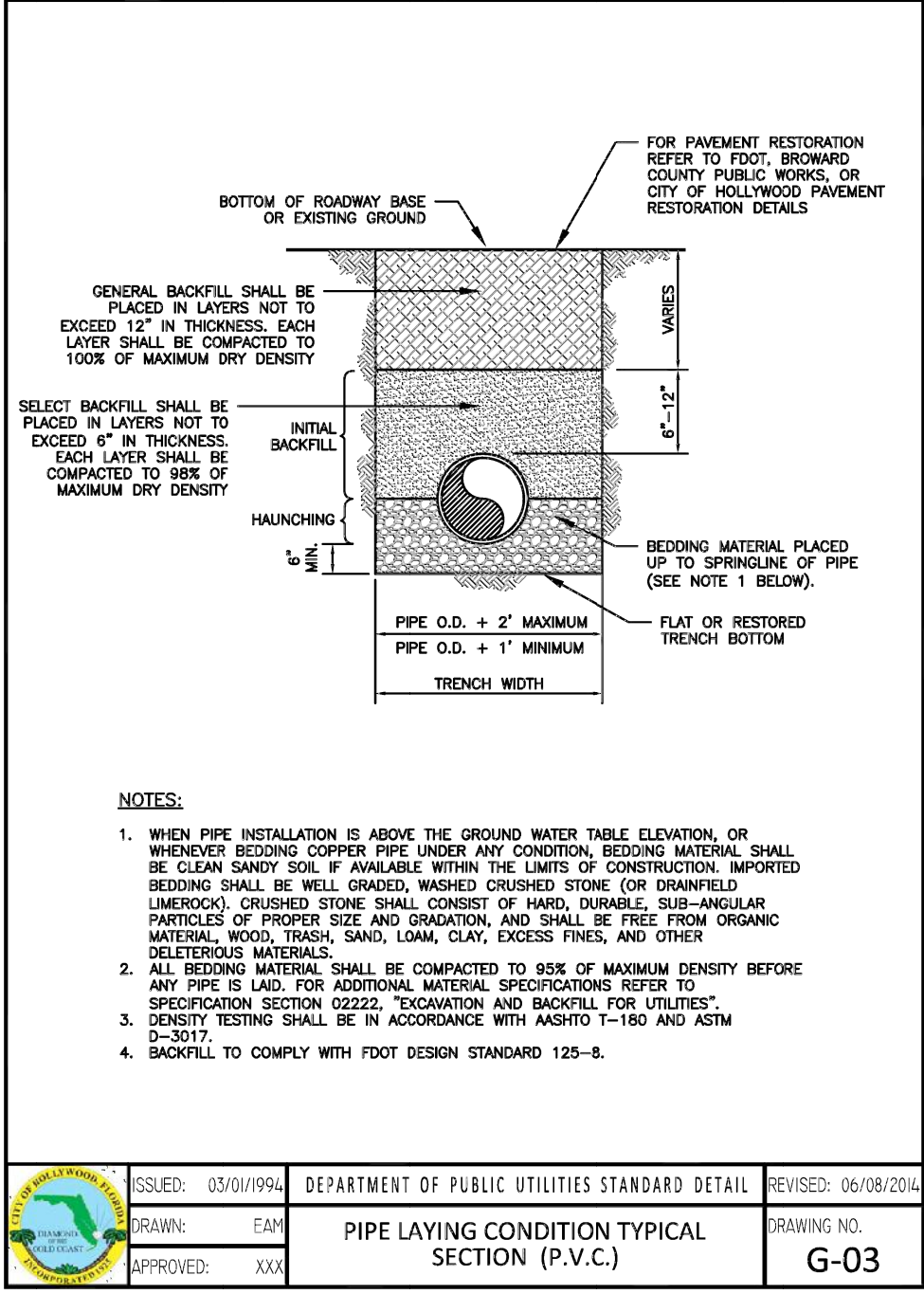
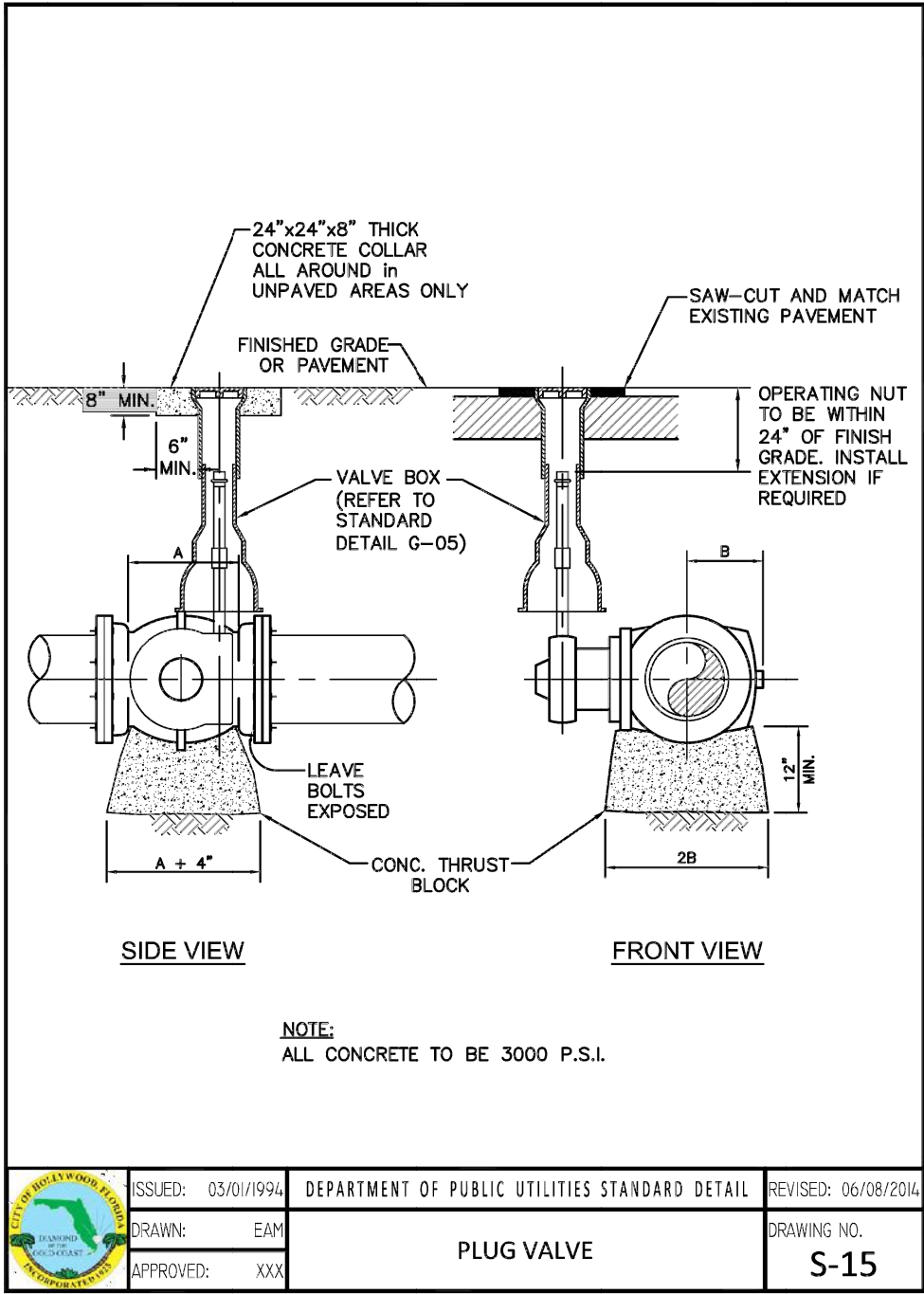
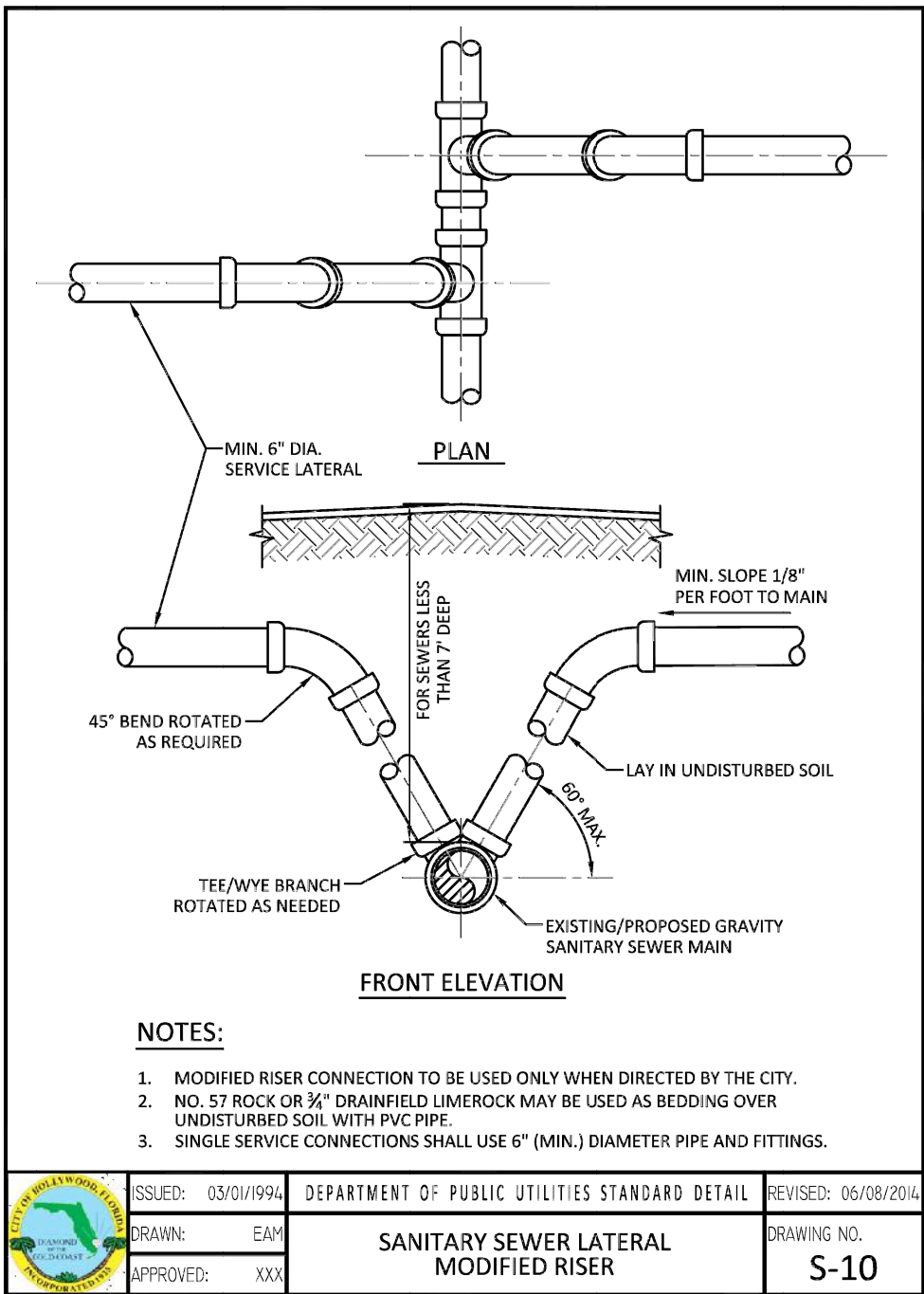
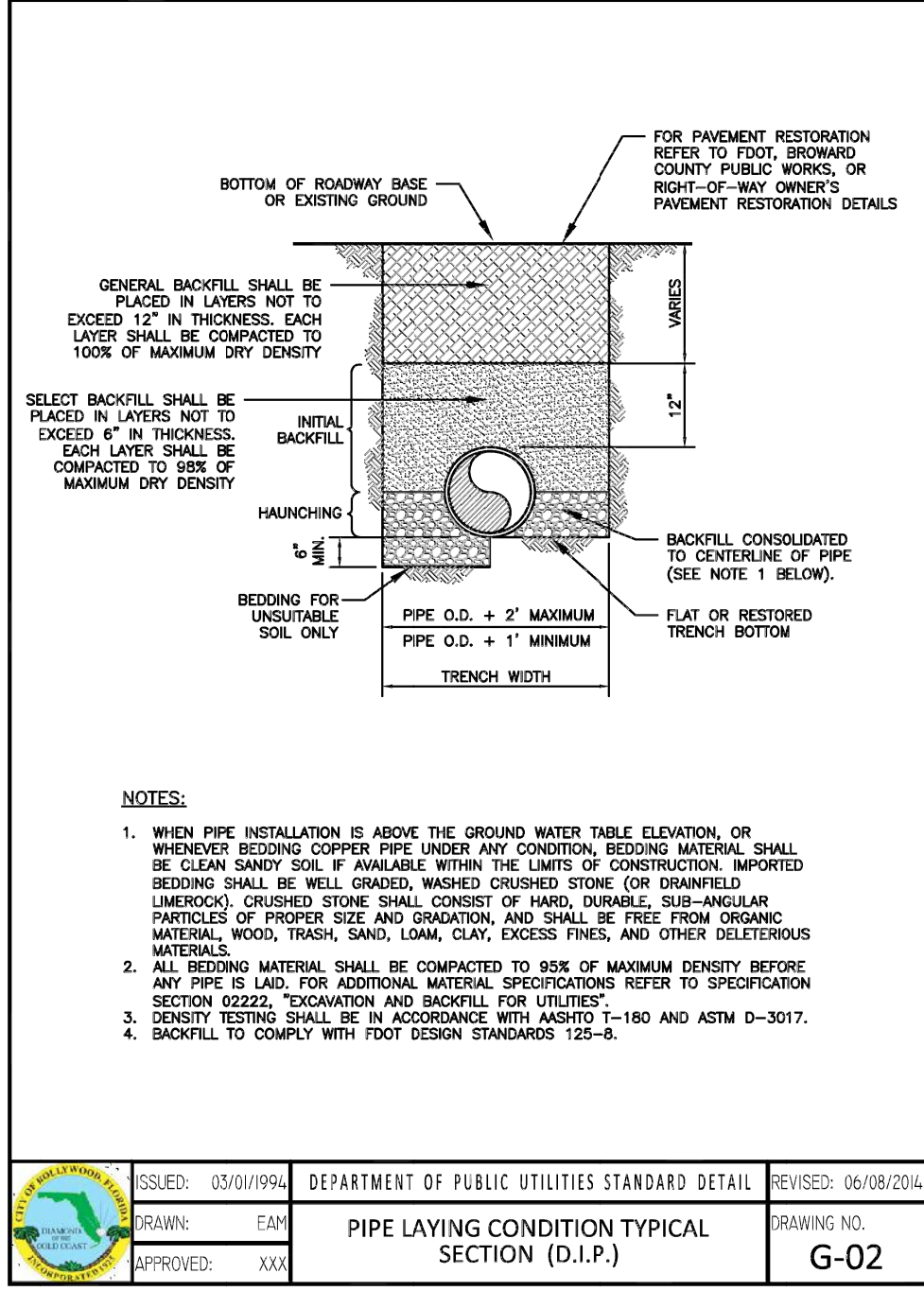
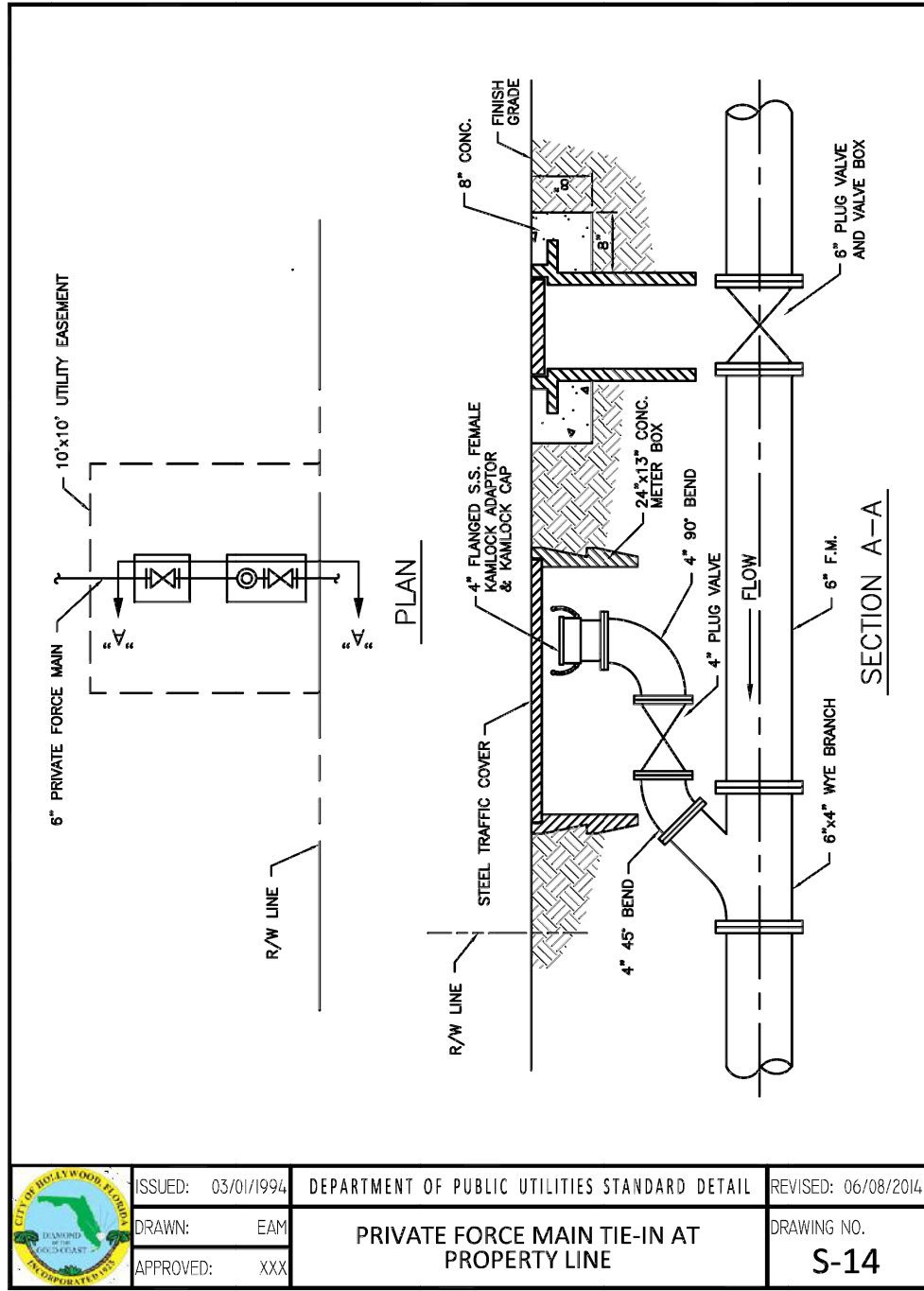
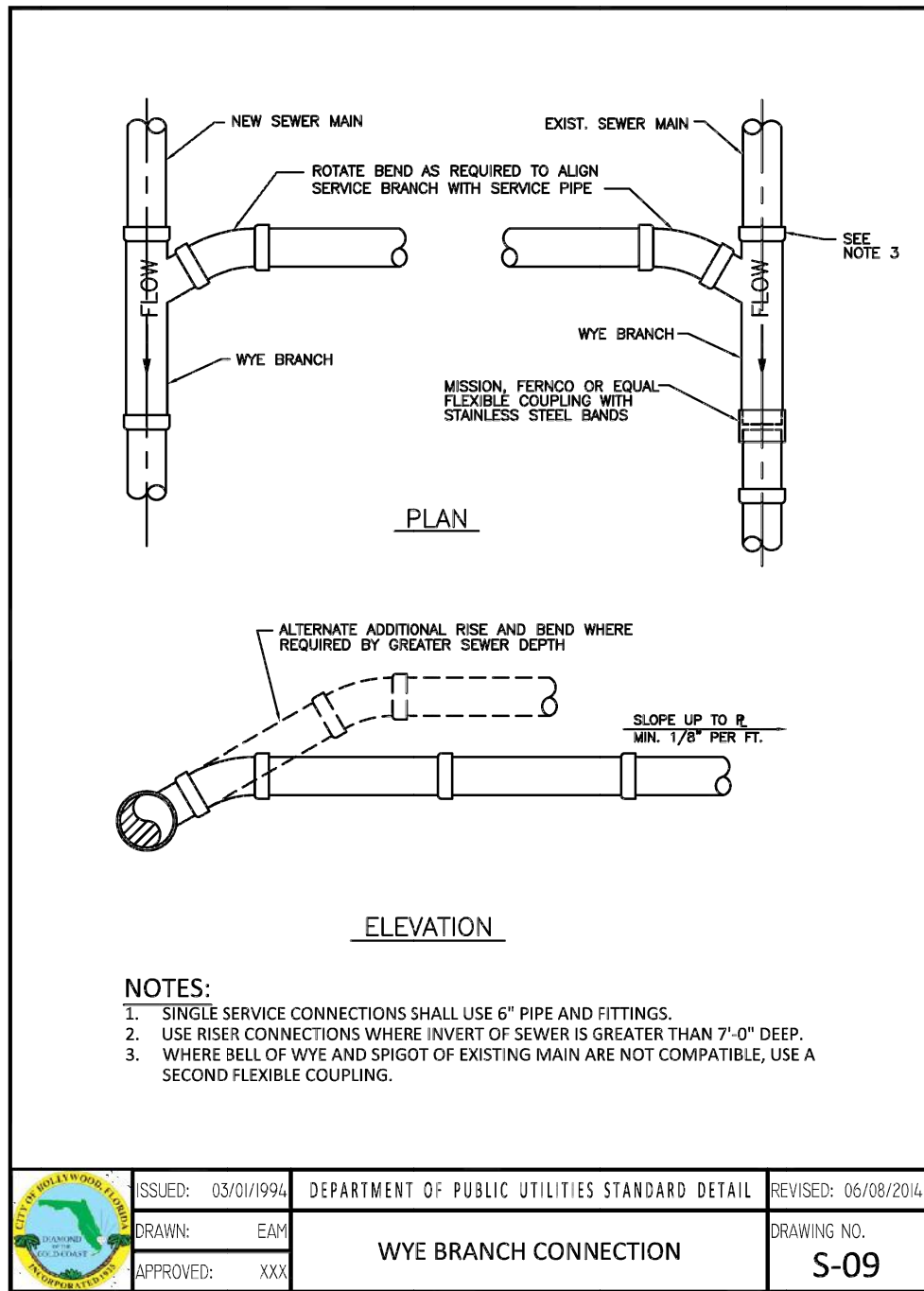


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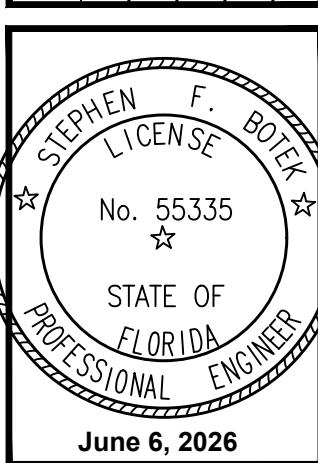
PROJECT DATE:
6-5-2024

CD-WS-5



BTE REF DATE: 6-6-2020

REVISIONS	DATE	#



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BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:
CD-WS-7



MATCHLINE - SEE SHEET CD-PMS-2

PAVEMENT MARKING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKING & SIGNAGE TO BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (LATEST EDITION), FDOT STANDARDS (LATEST EDITION), AND BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION STANDARDS (LATEST EDITION).
2. ALL PAVEMENT MARKINGS IN OR ADJACENT TO THE PUBLIC RIGHT OF WAY ARE TO BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
3. PAVEMENT MARKING SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND HAVE A MINIMUM RETRO-REFLECTIVITY OF 250 MILLICANDELAS FOR WHITE AND 175 FOR YELLOW PER BCTED MOST CURRENT STANDARDS.
4. ALL PAVEMENT MARKINGS ON PAVR SYSTEMS SHALL BE 3M 380/381 SERIES TAPE AND APPLIED WITH P60 ADHESIVE AS PER MANUFACTURER'S SPECIFICATIONS.
5. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
6. EXISTING MARKINGS SHALL BE REMOVED BY SANDBLASTING ONLY.
7. ALL REGULATORY SIGNS SHALL BE TYPE XI SHEETING MATERIAL.
8. SEE FDOT INDEX NO. 706 FOR PLACEMENT OF RPM's, (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
9. RPM's SHALL BE CLASS "B" 911 OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
10. ALL STOP BARS TO BE 4' BEHIND CROSSWALK OR SIDEWALK.

BCTED NOTE:

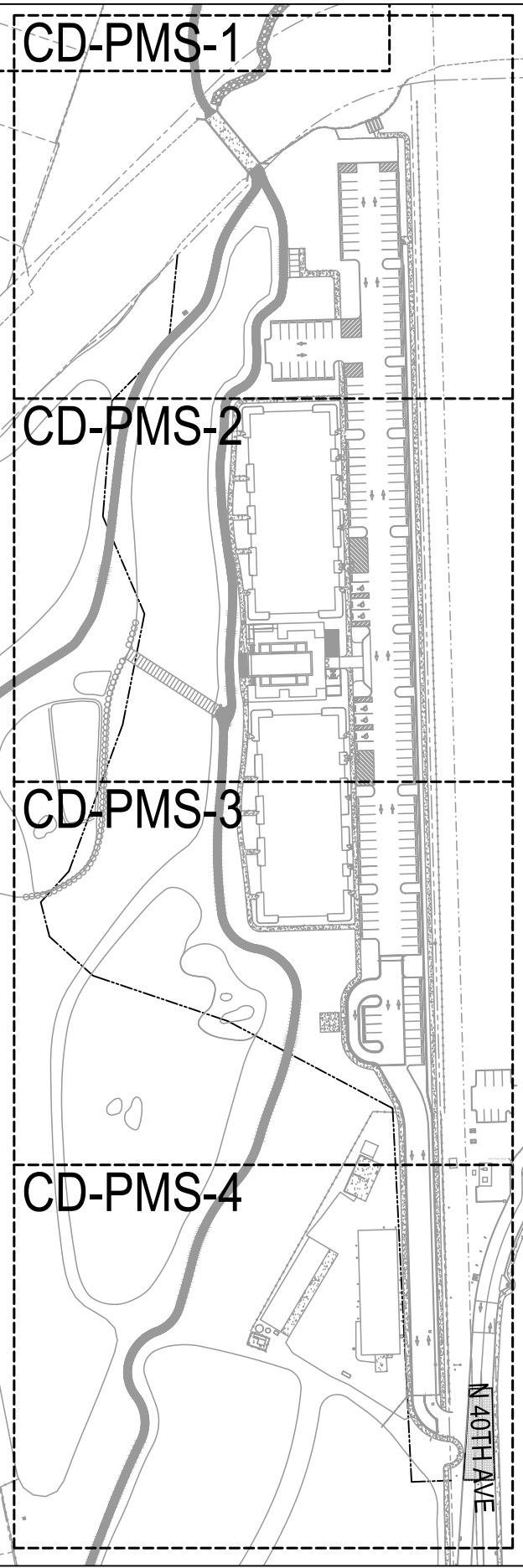
THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

1. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.

2. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVR BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVR BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, BLUNKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIK LANS, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

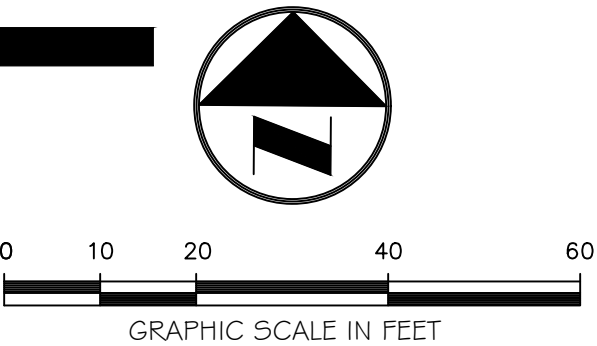
3. THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVR BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVR BRICKS, PAVEMENT MARKINGS ON OR ADJACENT TO PAINTED ASPHALT, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, BLUNKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIK LANS, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK AND ASPHALT WORK.

KEY MAP (SITE D)



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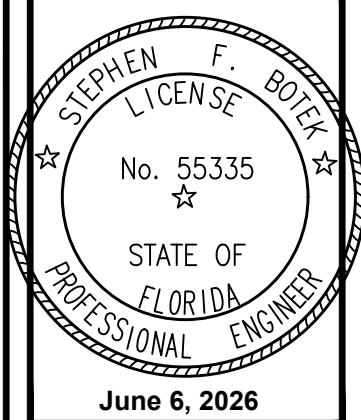


BTE REF DATE: 6-6-2026

REVISIONS

DATE

#



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PAVEMENT MARKING AND SIGNAGE PLAN

EMERALD HILLS

Site D - North 40th Avenue
Hollywood, Florida

Botek Thurlow

Engineering, Inc.

3400 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com P: 954-568-8888 F: 954-568-0777

BTE PROJECT #:
22-0401

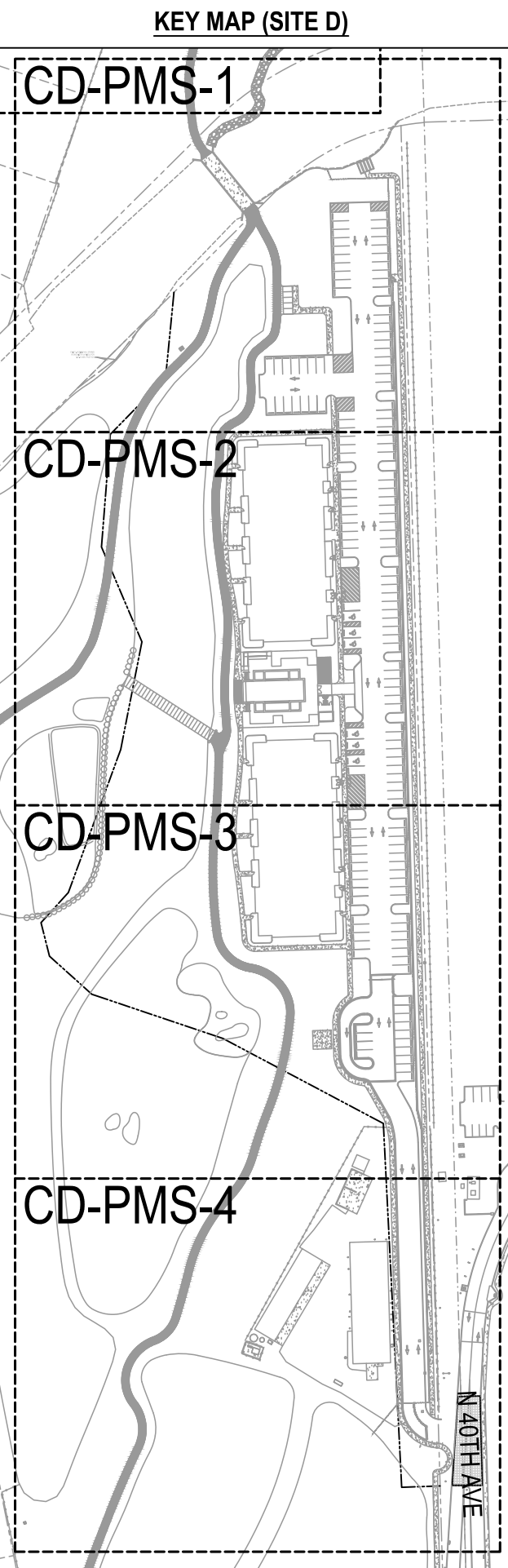
PROJECT DATE:
6-5-2024

SHEET #:

CD-PMS-1

MATCHLINE - SEE SHEET CD-PMS-1

REFER TO SHEET CD-PMS-1 FOR
PAVEMENT MARKING AND SIGNAGE NOTES



PROPOSED
BUILDING
(SITE D)

TRAFFIC DIRECTIONAL
ARROWS SHOWN FOR
REFERENCE ONLY (TYP.)

PROP. 6" SOLID WHITE
PROP. 18" WHITE @ 5' O.C.

THREE (3) PROPOSED ADA ACCESSIBLE PARKING
SPACES W/ 5' (MINIMUM) ACCESS AISLES AND ADA
PARKING SIGNS

POOL

RESTROOM

THREE (3) PROPOSED ADA
ACCESSIBLE PARKING SPACES
W/ 5' (MINIMUM) ACCESS AISLES
AND ADA PARKING SIGNS

PROP. 6" SOLID WHITE
PROP. 18" WHITE @ 5' O.C.

PROPOSED
BUILDING
(SITE D)

PROP. PROJECT PARCEL
LINE

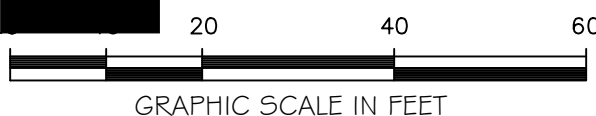
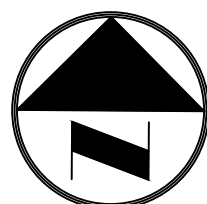
PROP. 4" SOLID WHITE (TYP.)

EXIST. PROPERTY LINE

PROP. 4" SOLID WHITE (TYP.)

PROP. 4" SOLID WHITE (TYP.)

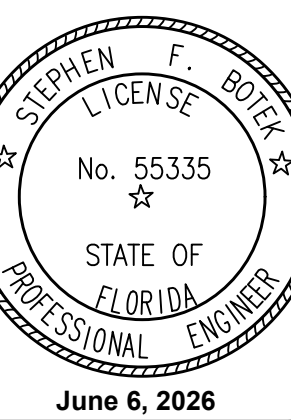
PROP. 4" SOLID WHITE (TYP.)



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#	DATE



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PAVEMENT MARKING AND SIGNAGE PLAN

EMERALD HILLS
Site D - North 40th Avenue
Hollywood, Florida

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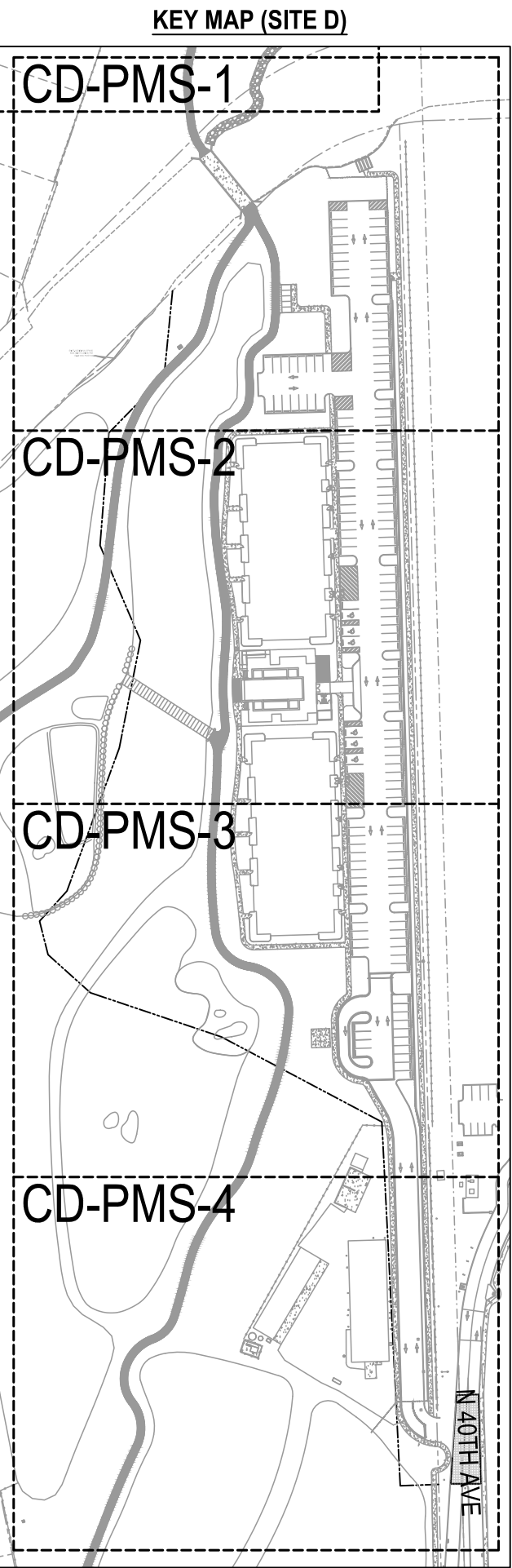
BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:
CD-PMS-2

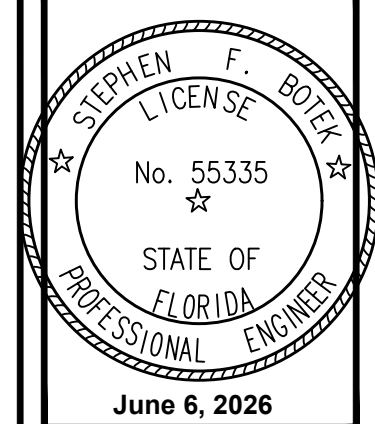
MATCHLINE - SEE SHEET CD-PMS-2

REFER TO SHEET CD-PMS-1 FOR
PAVEMENT MARKING AND SIGNAGE NOTES



BTE REF DATE: 6-6-2026

#	DATE	REVISIONS



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PAVEMENT MARKING AND SIGNAGE PLAN

EMERALD HILLS
Site D - North 40th Avenue
Hollywood, Florida

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BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:
CD-PMS-3

PROPOSED
BUILDING
(SITE D)

TRAFFIC DIRECTIONAL
ARROWS SHOWN FOR
REFERENCE ONLY (TYP.)

CART PATH PROPOSED
BY EMERALD HILLS
GOLF COURSE
REDEVELOPMENT
PROJECT (SHOWN FOR
REFERENCE)

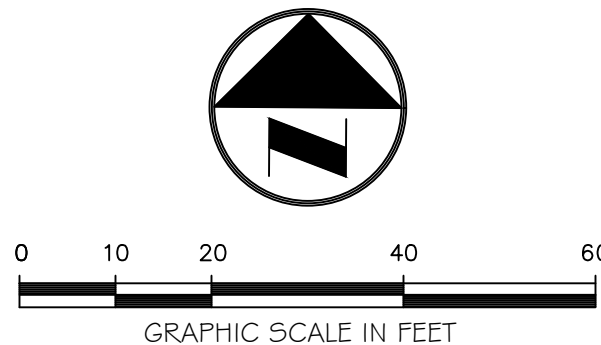
EXIST. SHED

PROP. 4" SOLID WHITE (TYP.)

EXIST. PROPERTY LINE

PROP. 4" SOLID WHITE (TYP.)

PROP. 4" SOLID WHITE (TYP.)



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MATCHLINE - SEE SHEET CD-PMS-4

MATCHLINE - SEE SHEET CD-PMS-3

EXIST. ONE STORY BUILDING
F.F.E. = 5.58

EXIST. ONE STORY BUILDING
F.F.E. = 5.32

TRAFFIC DIRECTIONAL
ARROWS SHOWN FOR
REFERENCE ONLY (TYP.)

EXIST. WOOD POWER POLE

PROP. TRAFFIC
GATE - REFER TO
PLANS BY
OTHERS

PROPOSED 24" WHITE STOP BAR WITH 25 LF OF
SOLID 6" DOUBLE YELLOW AND R1-1 STOP SIGN
(36"x36") PER BROWARD COUNTY STANDARD DETAILS

ALL PAVEMENT MARKINGS (ADJACENT TO THE SITE)
REMOVED DURING MILLING AND RESURFACING
SHALL BE REPLACED PER CITY OF HOLLYWOOD AND
BROWARD COUNTY STANDARDS (REFER TO OFFSITE
PMS PLANS)

EXIST. WOOD POWER POLES

PROP. PROJECT PARCEL
LINE

EXIST. DUCK CROSSING SIGN

LIMIT OF MILLING AND
RESURFACING (TYP.)

EXIST. SPEED HUMP SIGN

EXIST. EDGE OF PAV.

EXIST. F CURB

EXIST. D CURB

EXIST. SIDEWALK

EXIST. PROPERTY LINE

EXIST. WOOD
POWER POLE

EXIST. SPEED LIMIT AND
PRIVATE PROP. SIGN

EXIST. D CURB (TYP.)

EXIST. SPEED HUMP
SIGN

ALL PAVEMENT
MARKINGS OUTSIDE
THE MILLING AND
RESURFACING LIMIT
ARE TO REMAIN
UNLESS NOTED
OTHERWISE (TYP.)

EXIST. SIDEWALK

EXIST. SPEED HUMP

24.45'

25.00'

50.00'

25.00'

33.24'

NORTH 40th AVENUE

0 10 20
GRAPHIC SCALE IN

KEY MAP (SITE D)

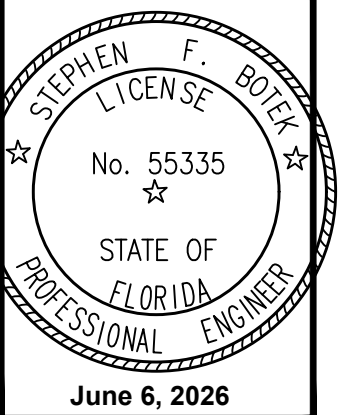
CD-PMS-1

CD-PMS-2

CD-PMS-3

CD-PMS-4

NORTH ARROW

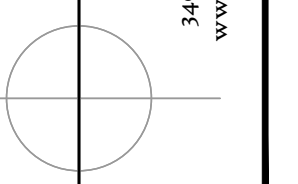
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2000 年 12 月 10 日 星期五

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Hollywood, Florida

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PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

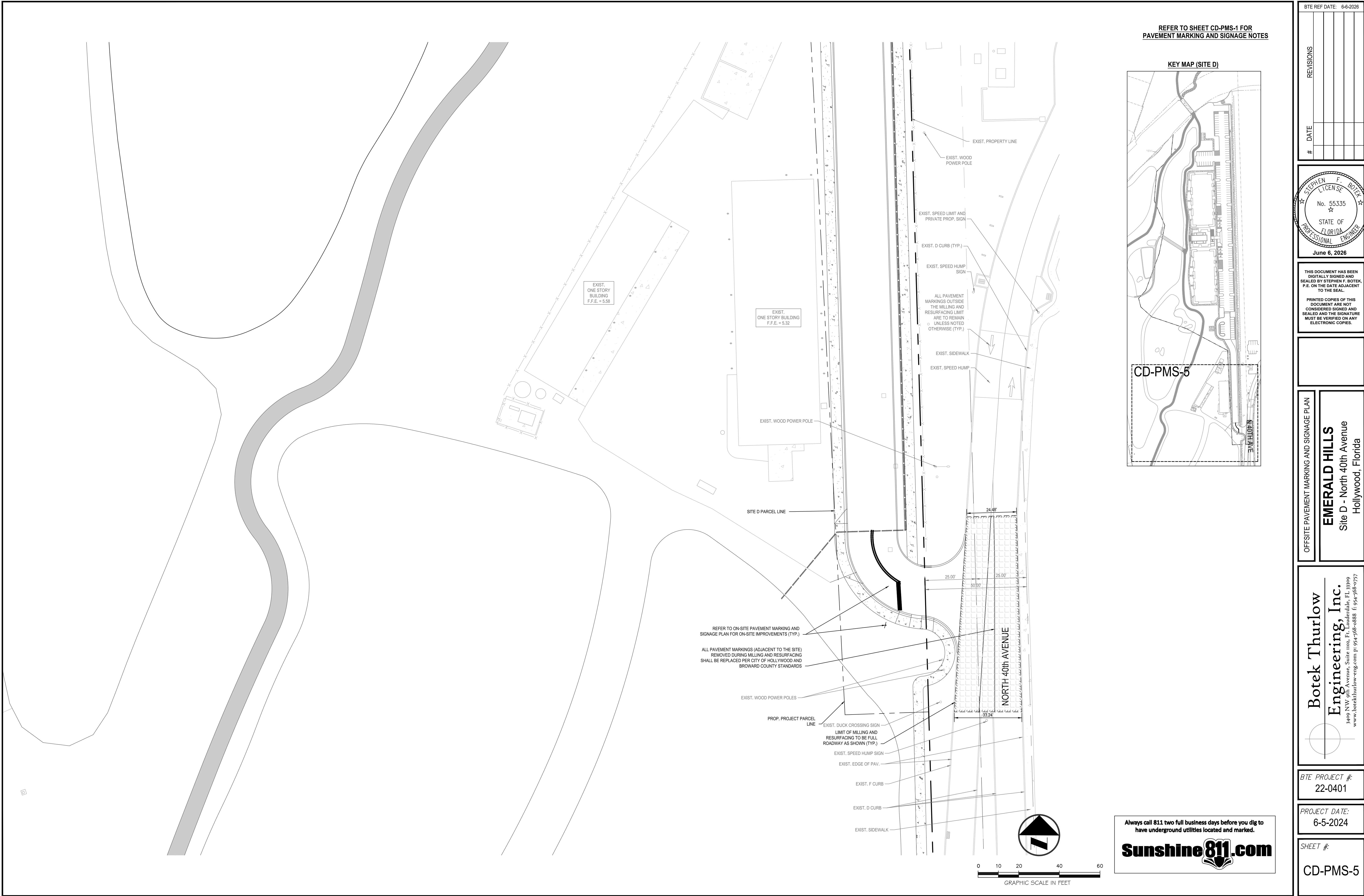
MEET #:

CD-PMS-4

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BTE REF DATE: 6-6-2026

#	DATE	REVISIONS

STEPHEN F. BOTK
LICENSE
No. 55335
STATE OF FLORIDA
PROFESSIONAL ENGINEER
June 6, 2026

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OFFSITE PAVEMENT MARKING AND SIGNAGE PLAN

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Hollywood, Florida

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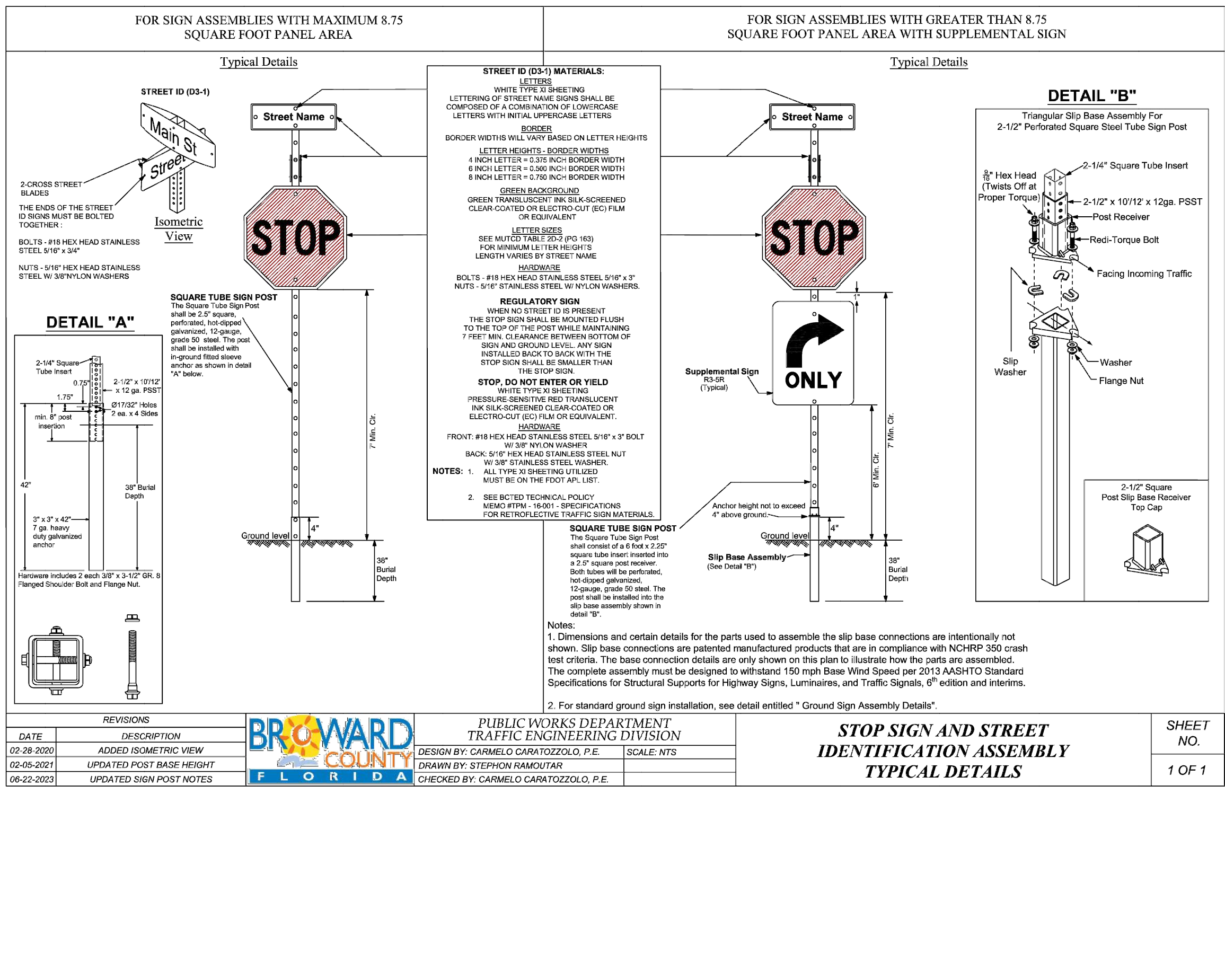
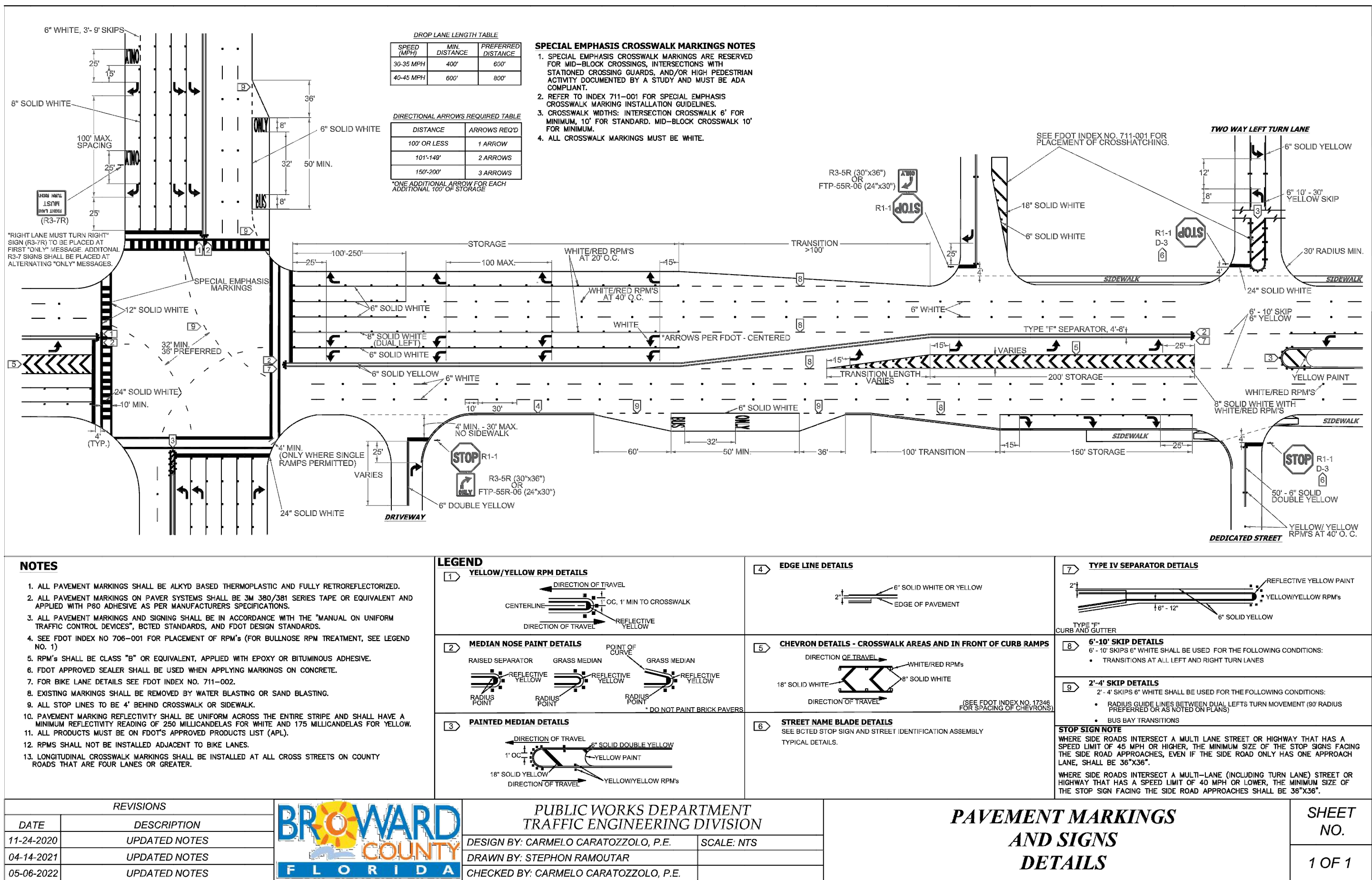
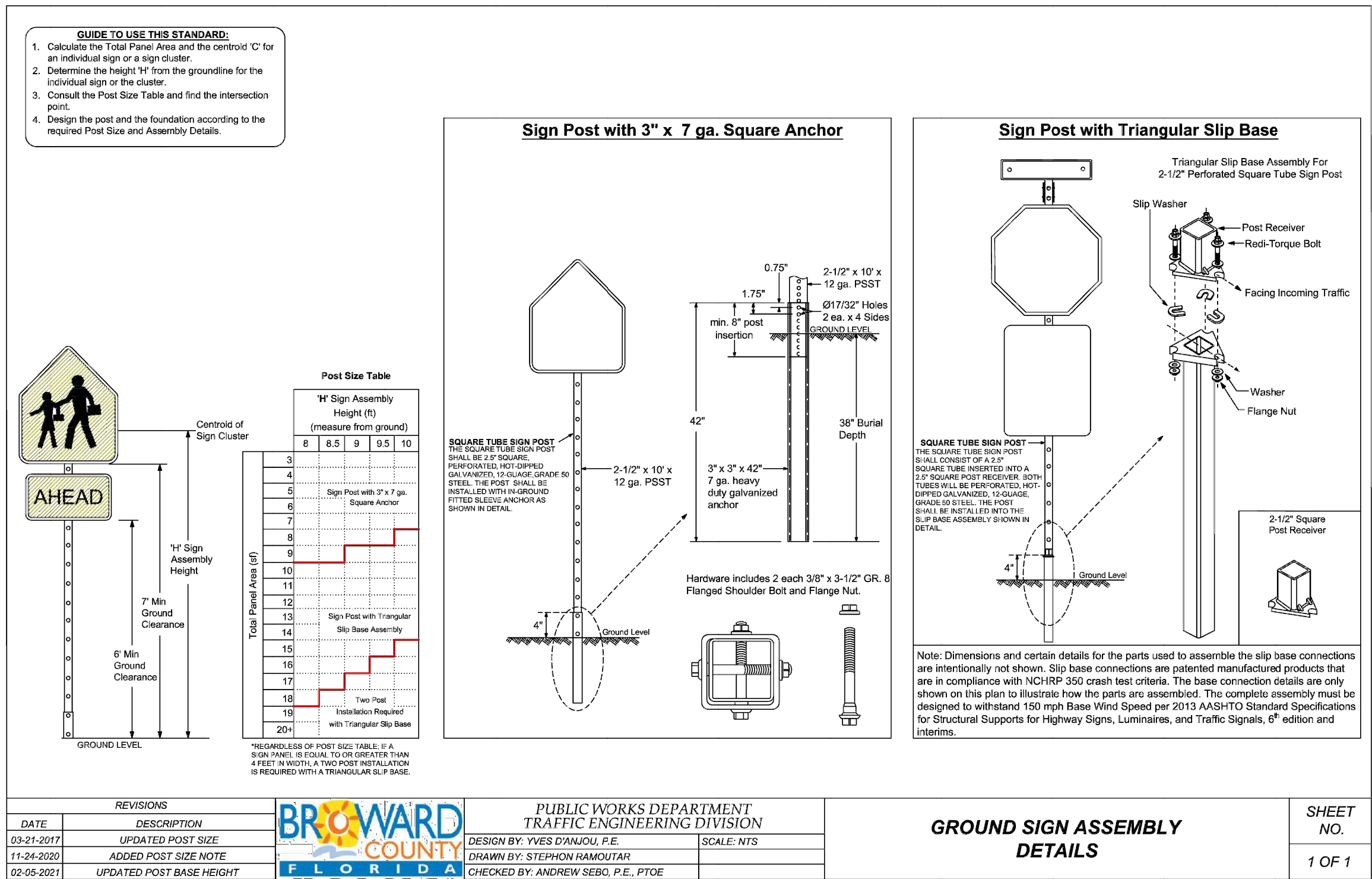
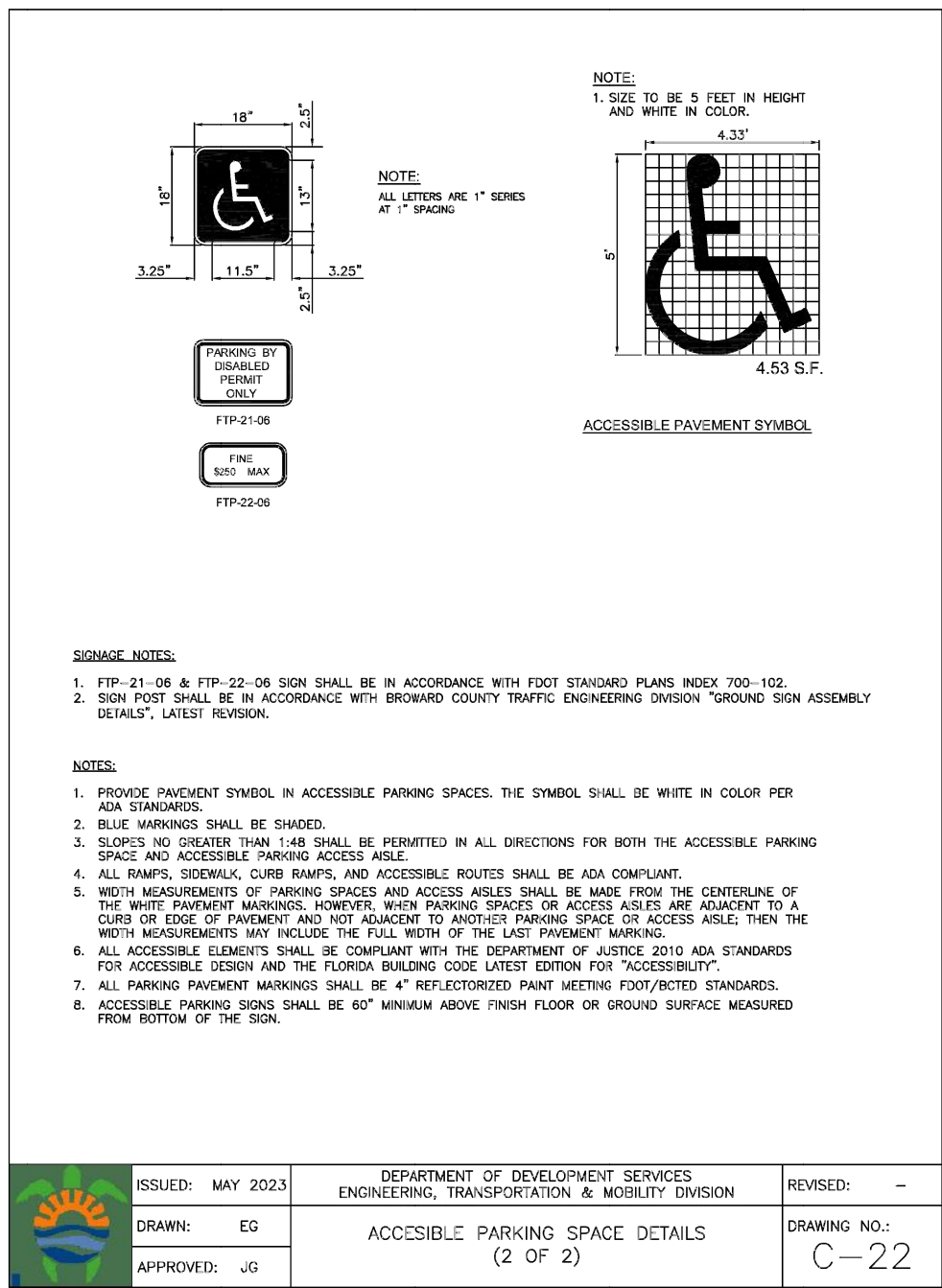
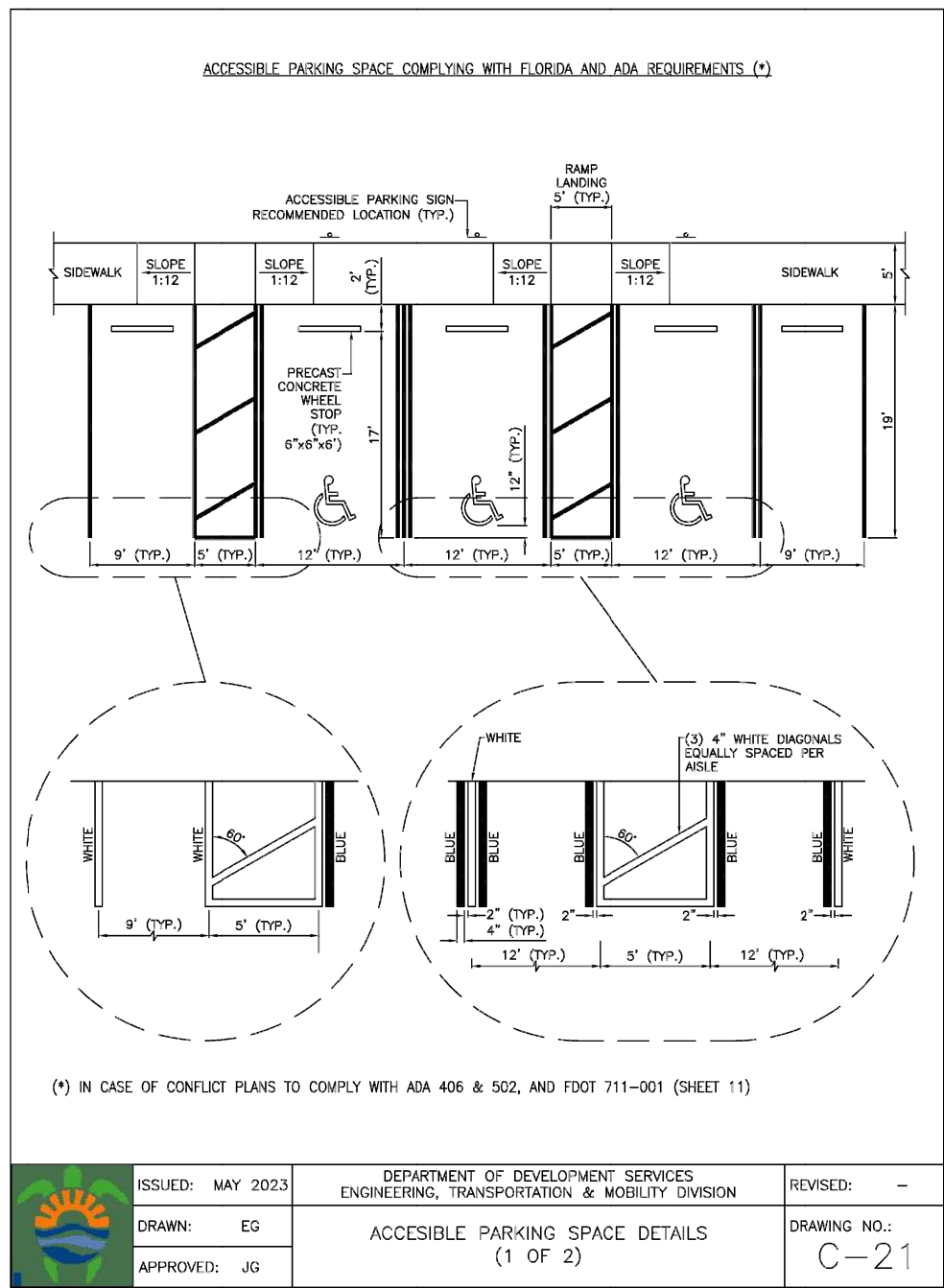
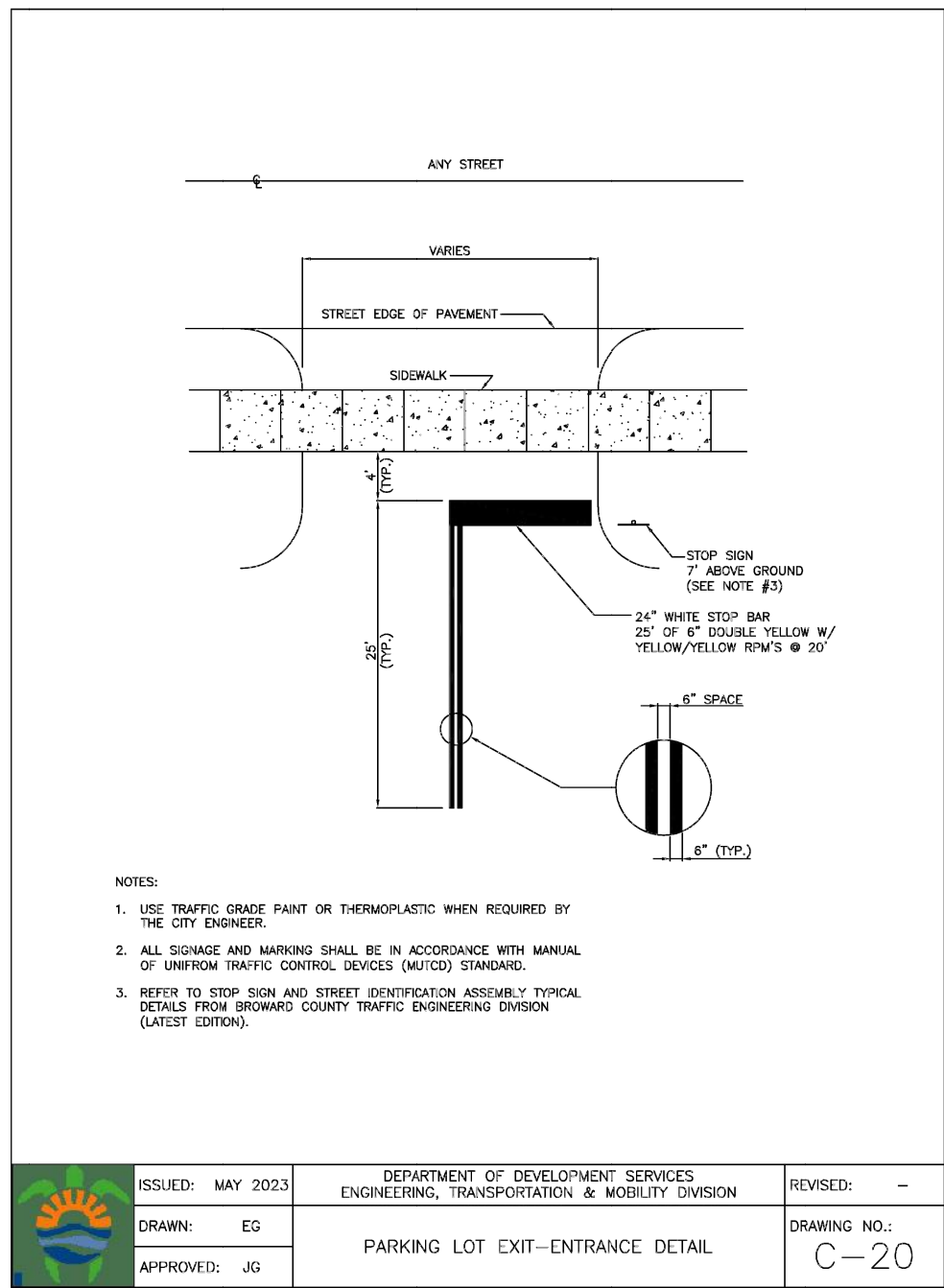
BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:
CD-PMS-5

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REVISIONS	
DATE	
#	

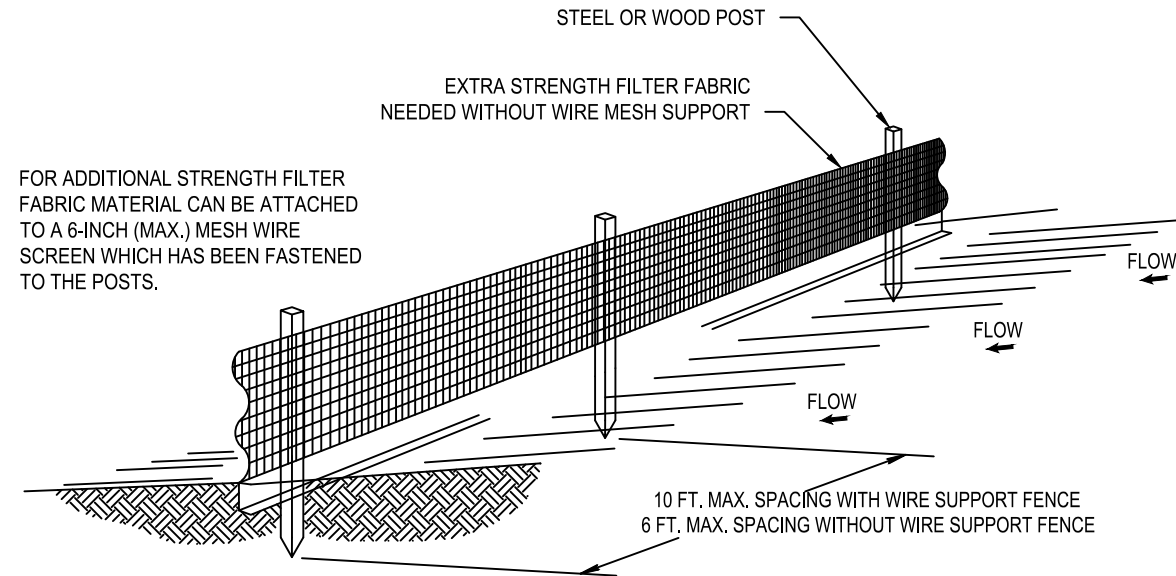
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PAVEMENT MARKING AND SIGNAGE DETAILS
EMERALD HILLS
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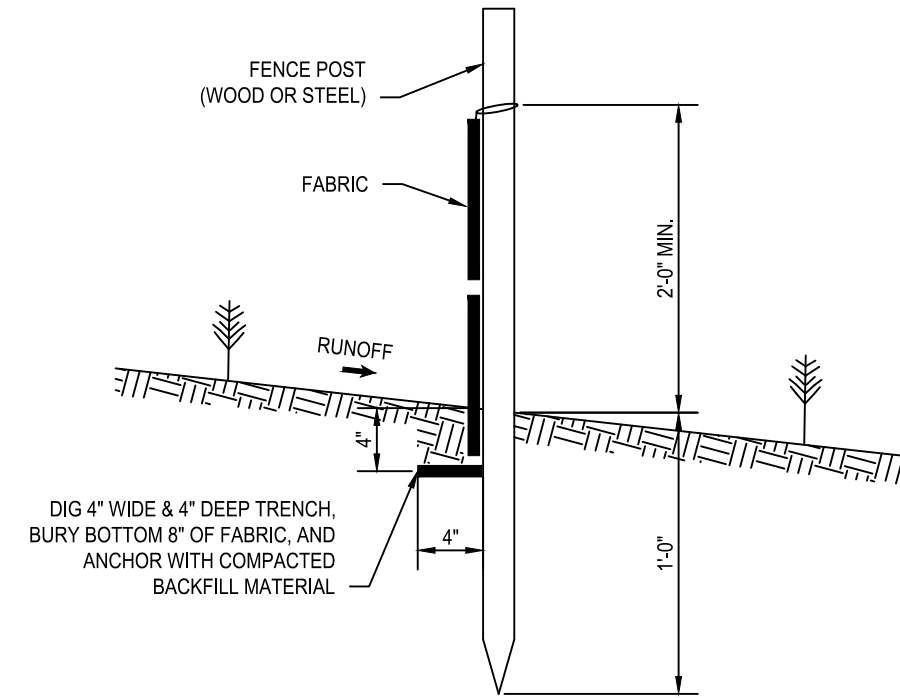
BTE PROJECT #:
22-0401
PROJECT DATE:
6-5-2024
SHEET #:
CD-PMS-6



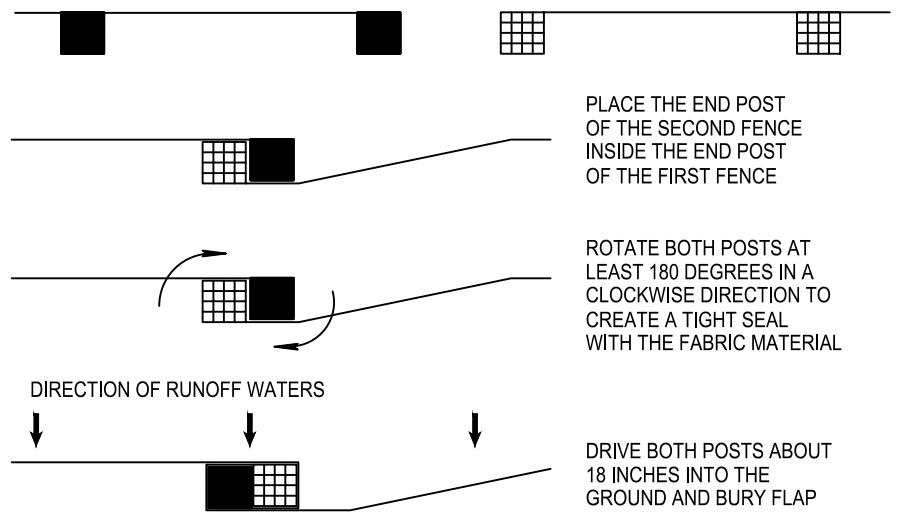
NOTES:

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG. THE WIRES, OR HOG RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FILTER FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

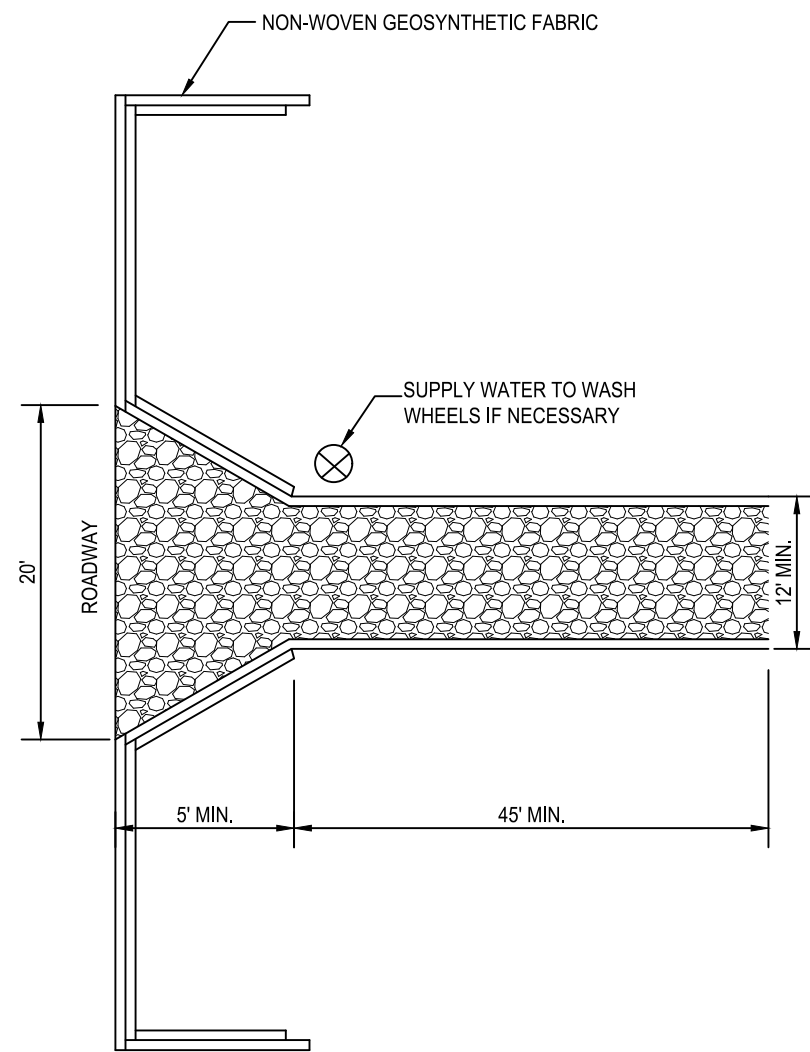
SILT FENCE INSTALLATION DETAIL



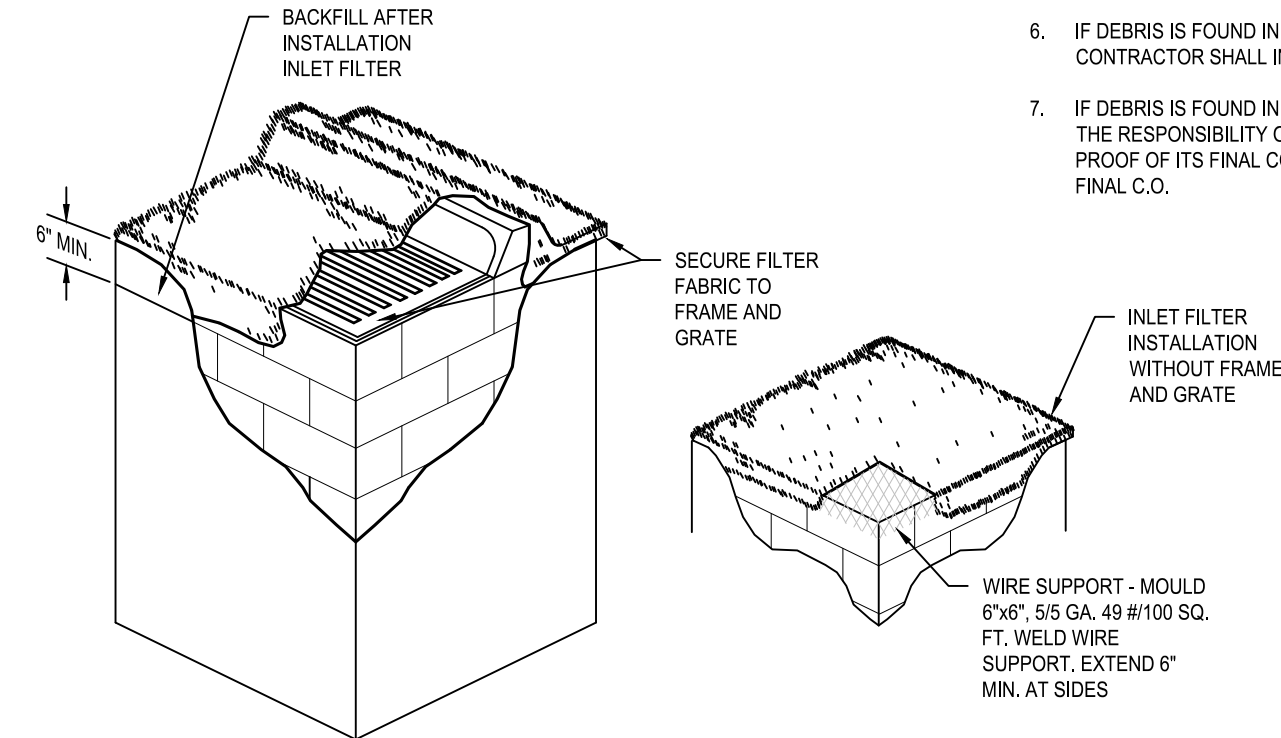
SILT FENCE SECTION
NOT TO SCALE



ATTACHING TWO SILT FENCES
NOT TO SCALE



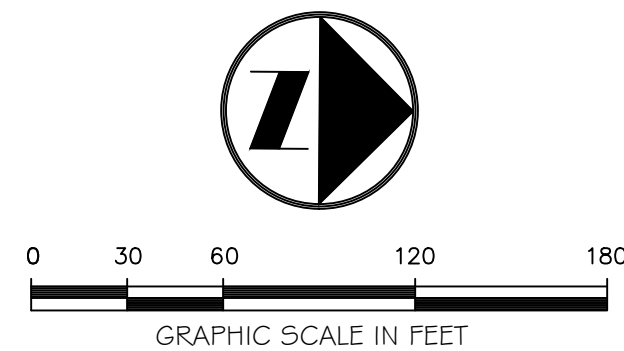
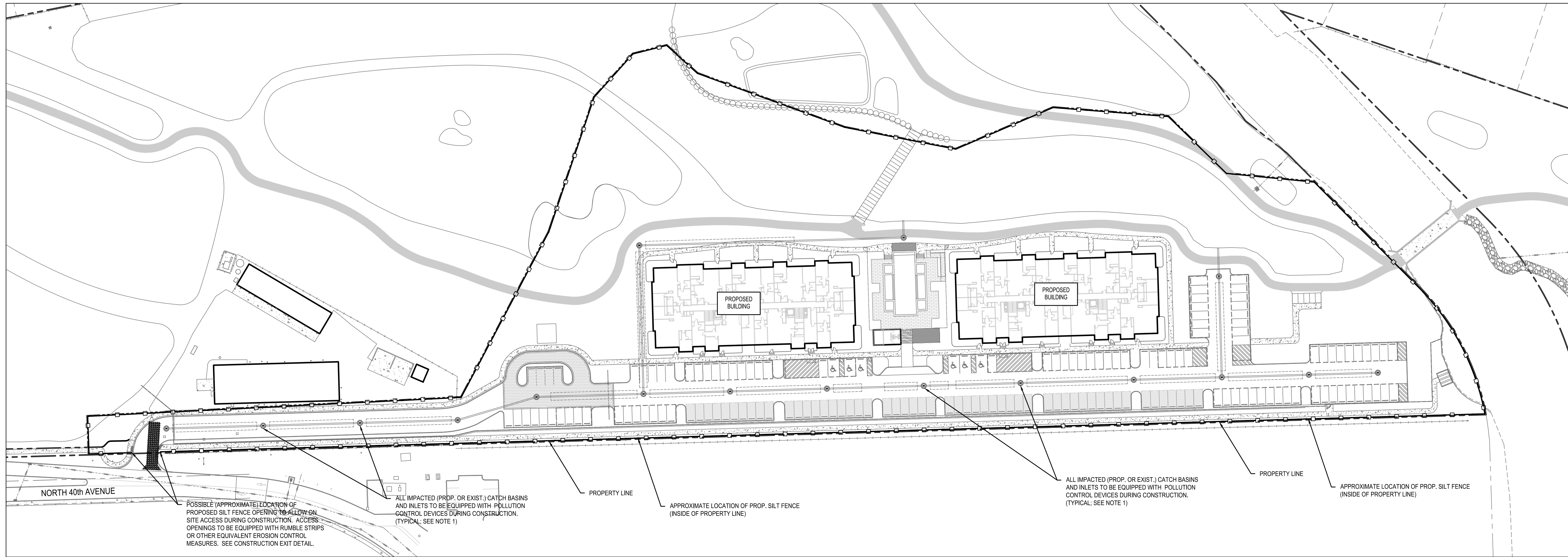
STABILIZED
CONSTRUCTION EXIT
NTS



NOTES:

1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
2. CONTRACTOR TO REMOVE FABRIC JUST PRIOR TO PAVING.
3. A SEDIMENT TRAP WILL BE EXCAVATED BEHIND THE CURB AT THE INLET. THE BASIN SHALL BE AT LEAST 12 TO 14\"/>
4. STORM WATER WILL REACH THE SEDIMENT TRAP VIA CURB CUTS ADJACENT TO EACH SIDE OF THE INLET STRUCTURE. THESE OPENINGS SHALL BE AT LEAST 12 INCHES IN LENGTH. STORM WATER MAY ALSO REACH THE BASIN VIA OVERLAND FLOW LAND AREA BEHIND THE CURB. THE CURB CUTS SHALL BE REPAIRED WHEN THE SEDIMENT TRAP IS REMOVED.

INLET FILTER DETAIL
NTS



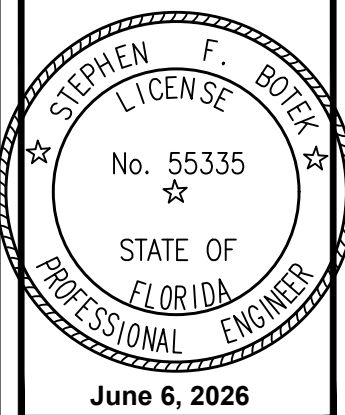
Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

- POLLUTION CONTROL NOTES:**
1. ALL DRAINAGE INLETS IMPACTED BY THIS PROJECT DURING CONSTRUCTION TO BE EQUIPPED WITH FILTER FABRIC AND/OR APPROVED EQUIVALENT OVER GRATES PER DETAIL THIS SHEET. CURB INLETS TO BE EQUIPPED WITH CURB INLET POLLUTION CONTROL DEVICES
 2. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT OFF-SITE DISCHARGE OF SEDIMENT.
 3. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
 4. CONTRACTOR TO COMPLY WITH TERMS AND CONDITIONS OF NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT.
 5. CONTRACTOR TO PROVIDE FOR TRUCK WASH DOWN AREA AT ALL TEMPORARY AND PERMANENT ENTRANCES/EXITS DURING CONSTRUCTION.
 6. IF DEBRIS IS FOUND IN THE CITY'S STORMWATER SYSTEM PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR SHALL INFORM THE CITY'S STORMWATER OPERATIONS DEPARTMENT FOR PROPER REMOVAL.
 7. IF DEBRIS IS FOUND IN THE CITY'S STORM SYSTEMS AS A RESULT OF CONSTRUCTION ACTIVITIES, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VACUUM CLEAN THE CITY'S STORMWATER SYSTEM & PROVIDE PROOF OF ITS FINAL CONDITION TO THE CITY'S STORMWATER OPERATIONS GROUP FOR APPROVAL PRIOR TO FINAL C.O.

BTE REF DATE: 6-6-2026

REVISIONS	DATE	#



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY STEPHEN F. BOTEK, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

POLLUTION AND EROSION CONTROL PLAN

EMERALD HILLS

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BTE PROJECT #:
22-0401

PROJECT DATE:
6-5-2024

SHEET #:

CD-POL-1