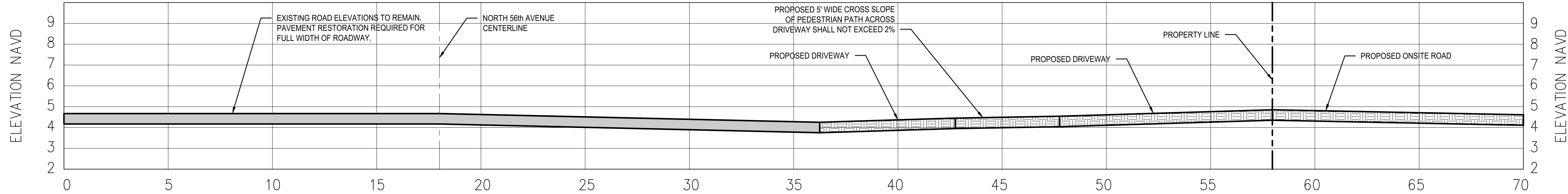


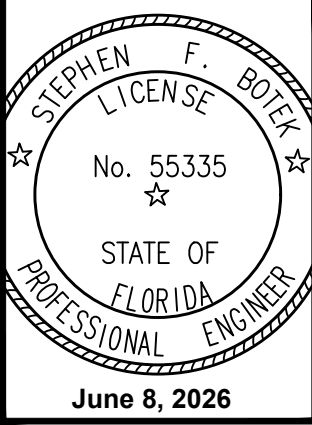
**SECTION A-A**



**SECTION B-B**

| CROSS-SECTION LEGEND               |           |                |           |
|------------------------------------|-----------|----------------|-----------|
| PROPERTY LINE                      | — — — — — |                |           |
| EASEMENT / DEDICATION              | - - - - - |                |           |
| EXIST. GRADE                       | — — — — — |                |           |
| PROP. CONCRETE                     | [Pattern] | PROP. ASPHALT  | [Pattern] |
| PROP. PAVERS OR SPECIALTY CONCRETE | [Pattern] | PROP. PERVIOUS | [Pattern] |

| BTE REF DATE: 6-8-2026 |      |   |  |
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| PAYING AND GRADING SECTIONS                      |  |
|--------------------------------------------------|--|
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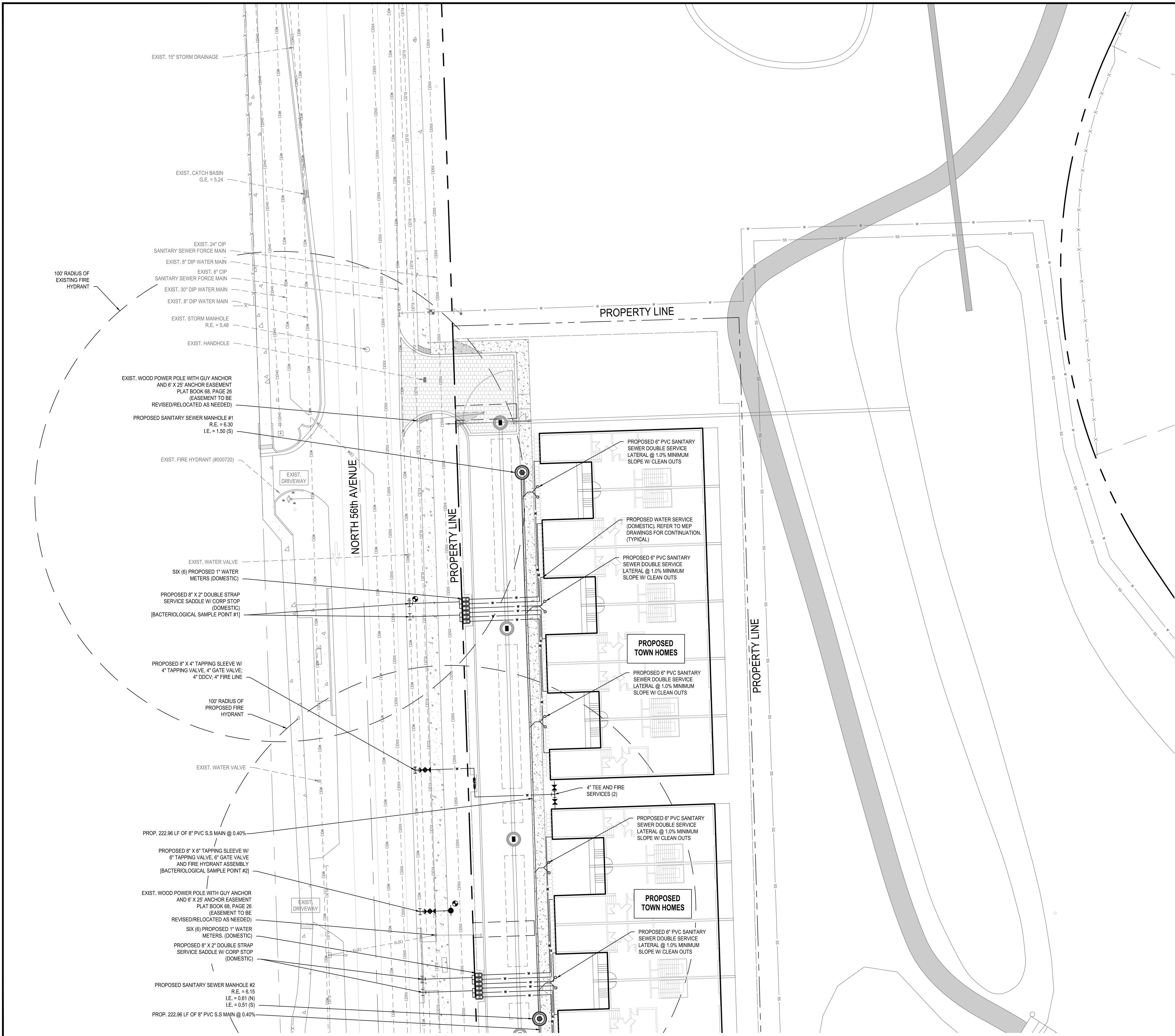
**Botek Thurlow Engineering, Inc.**  
3409 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309  
www.botekthurlow-eng.com P: 954-568-6888 F: 954-568-0757

BTE PROJECT #:  
22-0401

PROJECT DATE:  
6-5-2024

SHEET #:  
CA-PG-9





| 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.                         | PROPOSED                      |
| EXIST. WATER PIPE                     |                             | EXIST.                        | EXISTING                      |
| EXIST. SANITARY SEWER PIPE            |                             | M.H.                          | MANHOLE                       |
| EXIST. STORM PIPE                     |                             | B.F.P.                        | BACKFLOW PREVENTOR            |
| EXIST. ATT UNDERGROUND                |                             | G.V.                          | GATE VALVE                    |
| EXIST. BROWARD TRAFFIC COMMUNICATIONS |                             | D.D.C.V.                      | DOUBLE DETECTOR CHECK VALVE   |
| EXIST. BROWARD 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  |                               |

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

WATER & SEWER NOTES

- NO GATE VALVES IN CURBS.
- SLOPE OR PITCH SANITARY SEWER MANHOLE CASTINGS WITH DESIGN ROAD SECTIONS.
- ALL SANITARY SEWER CLEANOUTS LOCATED IN ROADWAY ARE TO BE TRAFFIC-RATED.
- WATER SHALL BE AVAILABLE TO FIRE HYDRANTS BEFORE INTERIOR BUILDING CONSTRUCTION CAN BEGIN.
- ALL EXISTING WATER AND SANITARY SERVICES TO THE PROPERTY THAT ARE NOT BEING RE-USED SHALL BE CUT AND CAPPED AND ABANDONED IN ACCORDANCE WITH THE PUBLIC UTILITY'S MINIMUM STANDARDS.
- AFTER WATER AND SEWER CONNECTIONS, RESTORE ALL RIGHT OF WAY (PAVEMENT, SIDEWALK, CURB, ETC.) IN ACCORDANCE WITH CITY OF HOLLYWOOD AND/OR BROWARD COUNTY MINIMUM STANDARDS.
- ALL ELEVATIONS SHOWN IN THIS PLAN ARE IN THE NAVD DATUM.
- 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. ASSUMES 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.

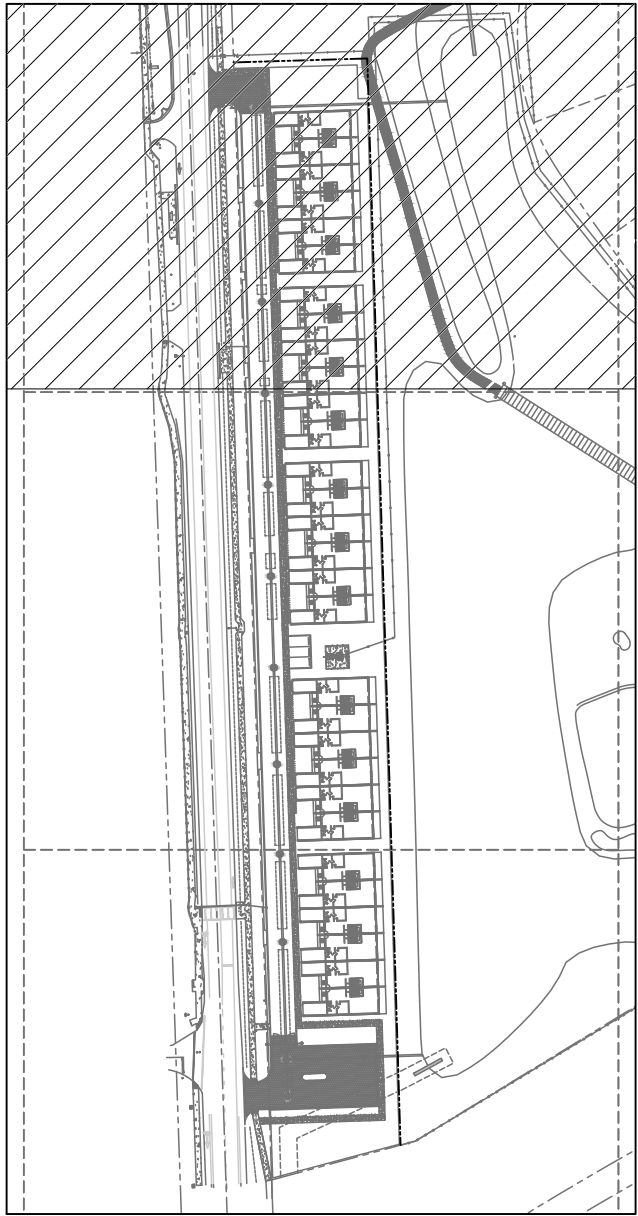
FIRE LINE NOTES:

- 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. 633.102.
- ALL FIRE LINES ARE TO BE INSPECTED BY CERTIFIED FIRE LINE INSPECTORS PRIOR TO BEING PLACED INTO SERVICE.
- 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.
- 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.

UNDERGROUND UTILITIES NOTES:

- SITE MAY CONTAIN EXISTING UTILITIES (DOMESTIC WATER, IRRIGATION, TELEPHONE, ELECTRIC, GAS, STORM DRAINAGE, SANITARY SEWER AND OTHERS).
- NOT ALL** EXISTING UTILITIES ARE SHOWN HEREON. SOME ARE SHOWN ON THIS PLAN AS OBTAINED FROM UTILITY LOCATES, ATLASES AND THE SURVEY.
- THIS PLAN IS LIMITED TO WATER AND SANITARY SEWER ONLY, NO DESIGN OF FPL, COMCAST, GAS, TELEPHONE IS SHOWN HEREON.
- CONTRACTOR IS RESPONSIBLE FOR SEQUENCING ALL UTILITY REMOVAL/RELOCATION SUCH THAT NO OTHER USER OF SAID IS AFFECTED.

KEY MAP



WATER & SEWER DEMAND:

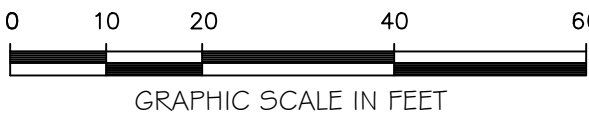
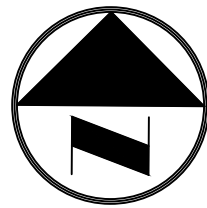
30 TOWNHOMES x 2.5 (POPULATION PER UNIT) = 75 (TOTAL POPULATION)  
75 x 100 (PER CAPITA FLOW IN GPD) = 7500 GPD

FIRE FLOW CALCULATIONS:

BUILDING TYPE PER NFPA 222: TYPE II  
FIRE FLOW AREA PER NFPA1: 14,612 SF  
MINIMUM FLOW PER NFPA1 @ 20 PSI: 1500 GPM  
MINIMUM FLOW WITH 75% REDUCTION FOR FULLY SPRINKLERED BUILDINGS: 1500 x 0.25 = 375 GPM  
MINIMUM FLOW REQUIRED = 1000 GPM

FIRE FLOW TEST RESULTS:

FLOW TEST RESULTS  
PERFORMED: 01/07/26  
STATIC PRESSURE: 55 PSI  
RESIDUAL PRESSURE: 48 PSI  
FLOW RATE: 960 GPM  
RESULTANT FLOW @ 20 PSI: 2885 GPM



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

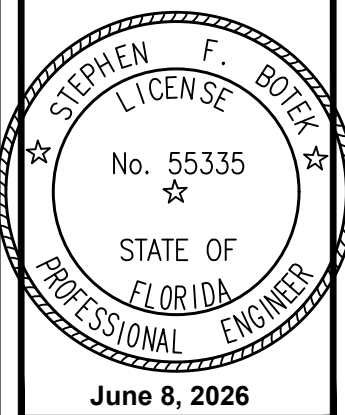
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BTE REF DATE: 6-8-2026

REVISIONS

DATE

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WATER AND SANITARY SEWER PLAN

EMERALD HILLS

Site A - North 56th Avenue  
Hollywood, Florida

Botek Thurlow

Engineering, Inc.

3409 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309  
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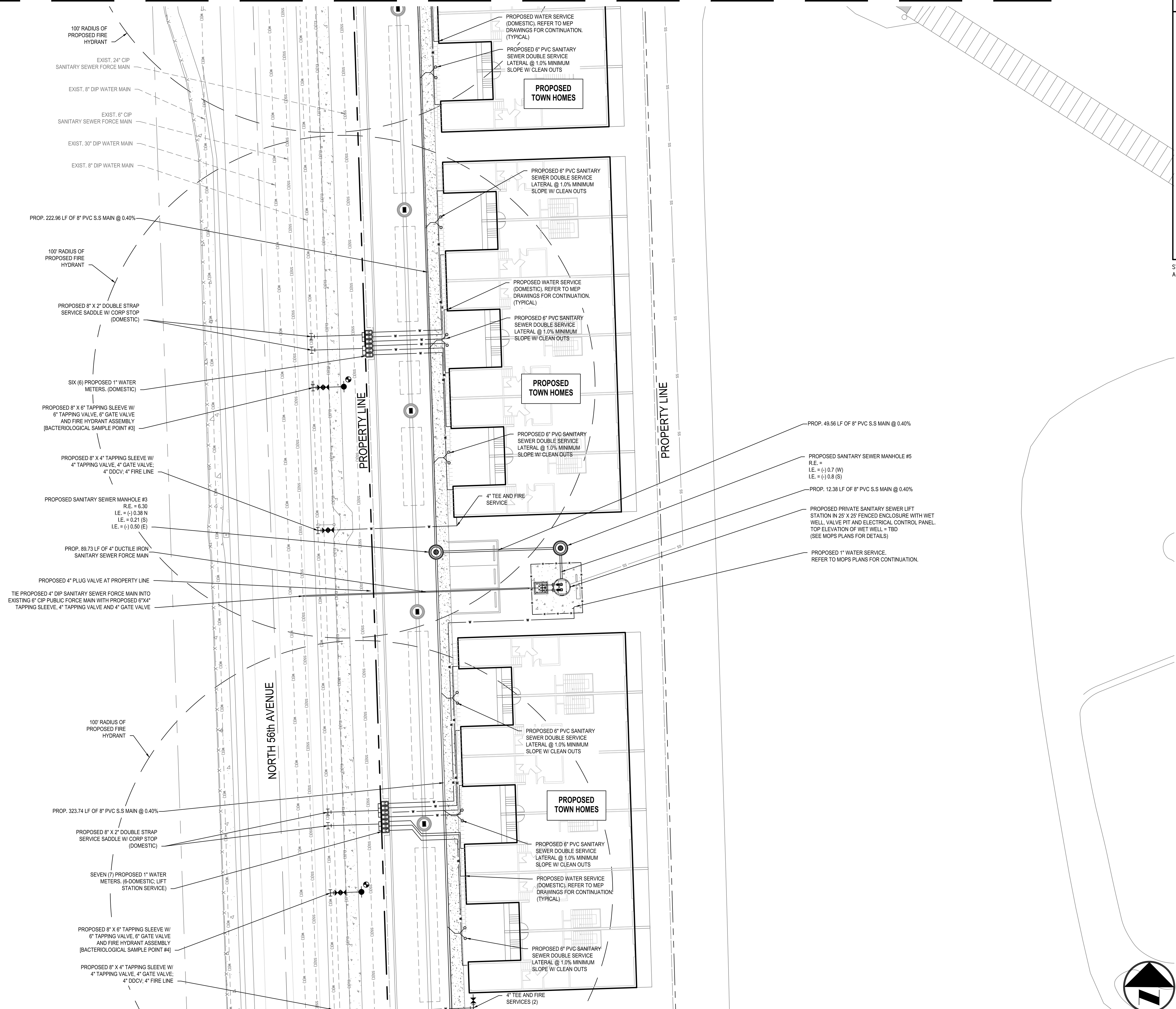
SHEET #:

CA-WS-1

MATCHLINE - SEE SHEET CA-WS-2



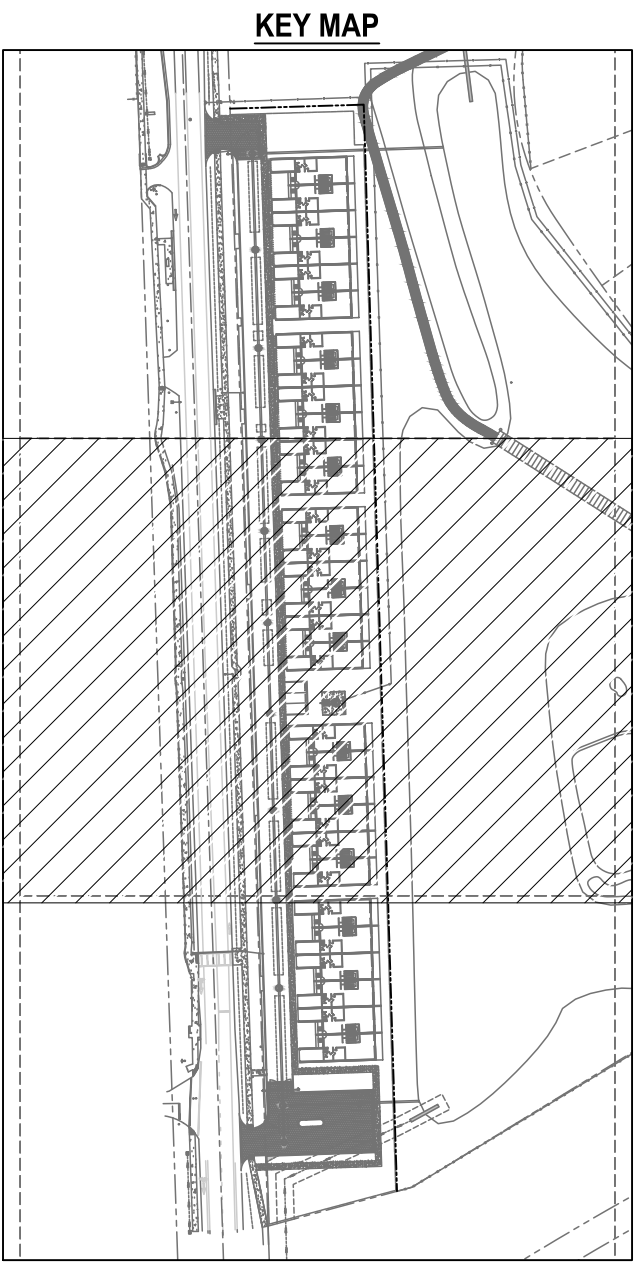
MATCHLINE - SEE SHEET CA-WS-1



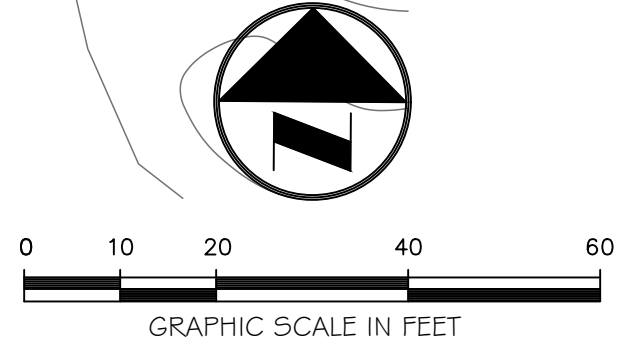
| WATER AND SEWER LEGEND                |                             |               |                               |
|---------------------------------------|-----------------------------|---------------|-------------------------------|
|                                       | DOUBLE DETECTOR CHECK VALVE |               | EXIST. SANITARY SEWER MANHOLE |
|                                       | RP2 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. EXIST.  | PROPOSED                      |
| EXIST. WATER PIPE                     | ---                         | I.E.          | INVERT ELEVATION              |
| EXIST. SANITARY SEWER PIPE            | ---                         | M.H.          | MANHOLE                       |
| EXIST. STORM PIPE                     | ---                         | B.F.P.        | BACKFLOW PREVENTOR            |
| EXIST. ATT UNDERGROUND                | ---                         | G.V.          | GATE VALVE                    |
| EXIST. BROWARD TRAFFIC COMMUNICATIONS | ---                         | D.D.C.V.      | DOUBLE DETECTOR CHECK VALVE   |
| EXIST. BROWARD FIBER OPTIC            | ---                         | F.D.C.        | FIRE DEPT. CONNECTION         |
| EXIST. COMCAST UNDERGROUND            | ---                         |               |                               |
| EXIST. ELECTRICAL UNDERGROUND         | ---                         |               |                               |
| EXIST. FIBER OPTIC UNDERGROUND        | ---                         |               |                               |

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

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



MATCHLINE - SEE SHEET CA-WS-3



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Hollywood, Florida

Botek Thurlow Engineering, Inc.

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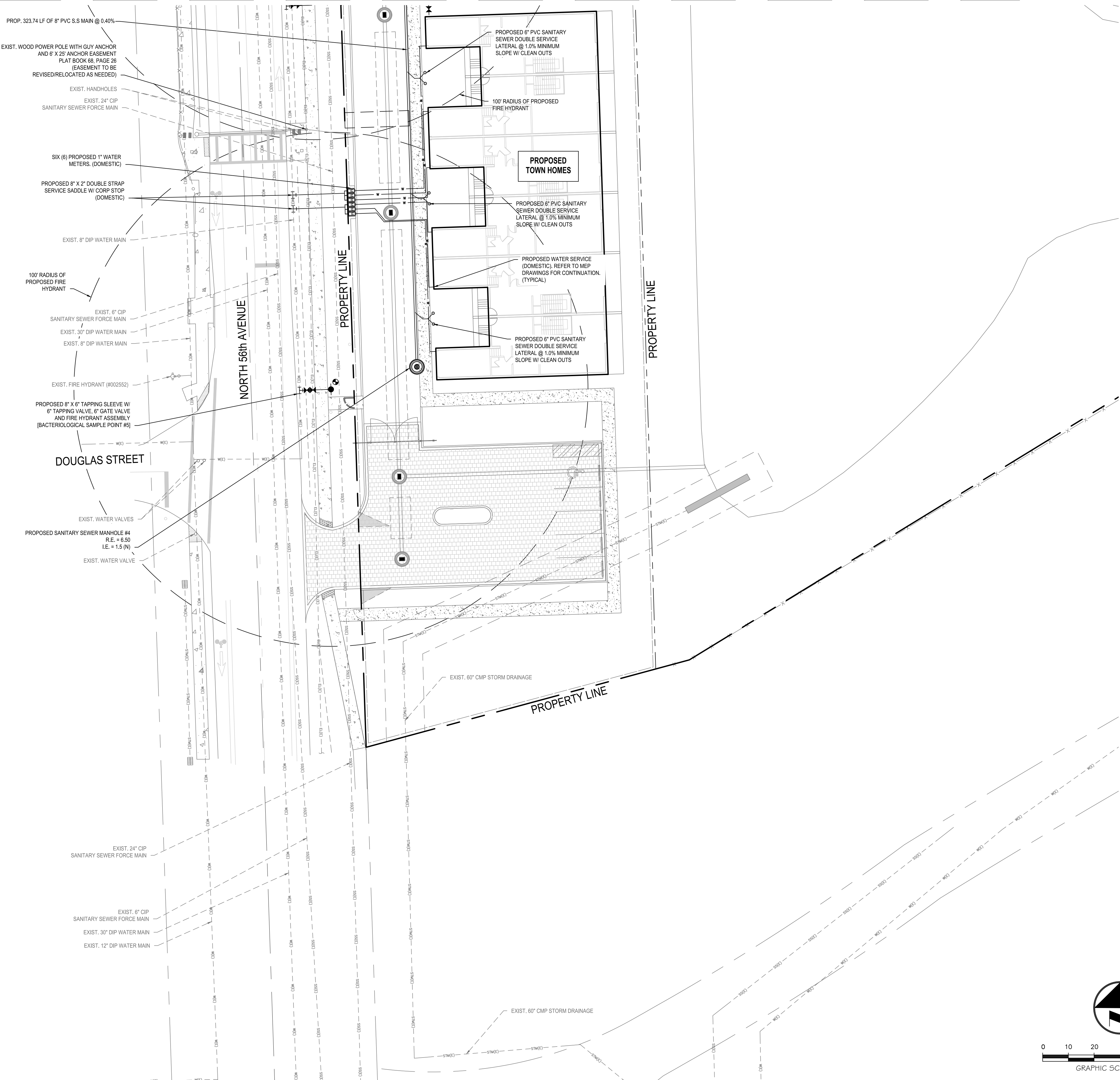
6-5-2024

SHEET #:

CA-WS-2



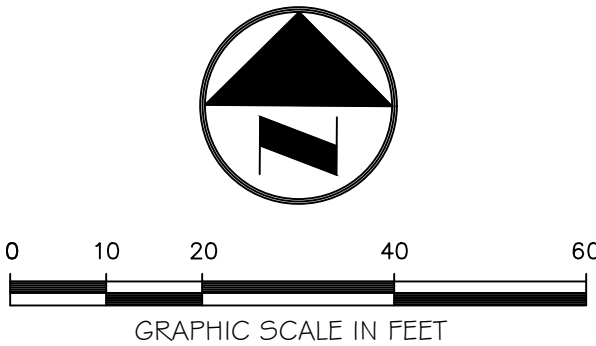
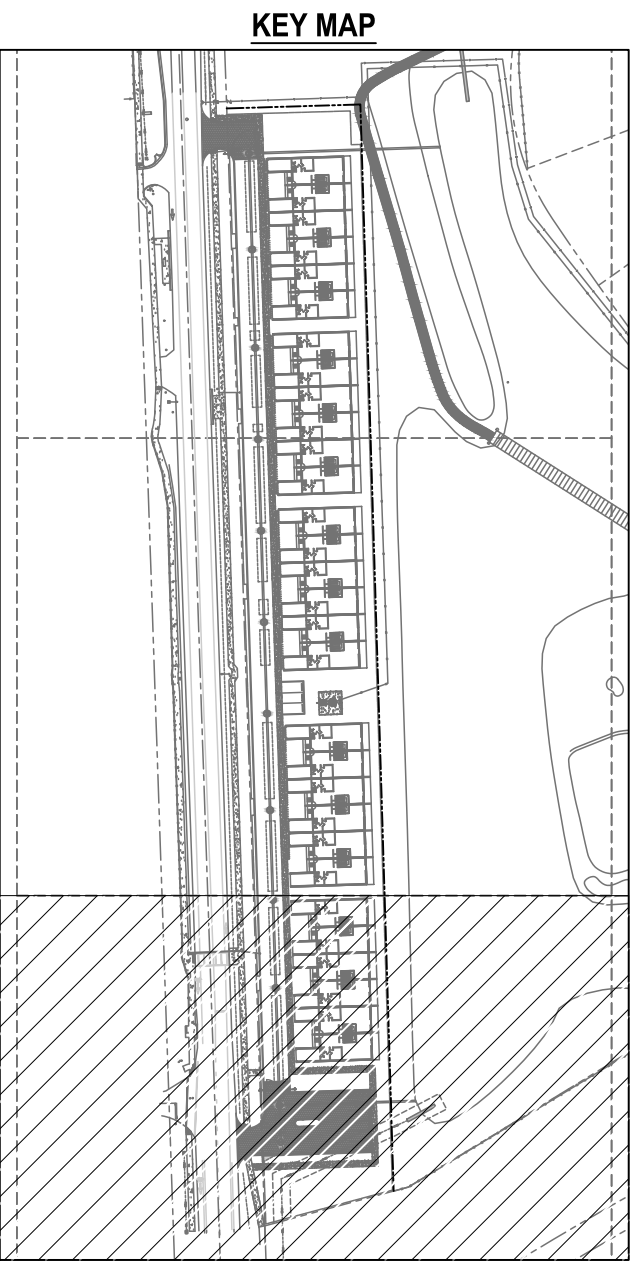
MATCHLINE - SEE SHEET CA-WS-2



| WATER AND SEWER LEGEND                |                             |               |                               |
|---------------------------------------|-----------------------------|---------------|-------------------------------|
|                                       | DOUBLE DETECTOR CHECK VALVE |               | EXIST. SANITARY SEWER MANHOLE |
|                                       | RP2 BACKFLOW PREVENTORS     |               | PROP. SANITARY CLEAN OUT      |
|                                       | GATE VALVE                  |               | PROP. METER VAULT             |
|                                       | METER                       |               | PROP. BACTERIOLOGICAL SAMPLE  |
|                                       | TEE / TAP                   |               | PROP. REDUCER                 |
|                                       | FIRE HYDRANT                |               |                               |
|                                       | FIRE DEPT. CONNECTION       |               |                               |
|                                       | PROP. PLUG / CAP            |               |                               |
| PROP. SANITARY SEWER PIPE             |                             | ABBREVIATIONS |                               |
| PROP. WATER PIPE                      | ---                         | PROP. EXIST.  | PROPOSED EXISTING             |
| EXIST. WATER PIPE                     | ---(W)---                   | I.E.          | INVERT ELEVATION              |
| EXIST. SANITARY SEWER PIPE            | ---(S)---                   | M.H.          | MANHOLE                       |
| EXIST. STORM PIPE                     | ---(S)---                   | B.F.P.        | BACKFLOW PREVENTOR            |
| EXIST. ATT UNDERGROUND                | ---(ATT)---                 | G.V.          | GATE VALVE                    |
| EXIST. BROWARD TRAFFIC COMMUNICATIONS | ---(BROWARD)---             | D.D.C.V.      | DOUBLE DETECTOR CHECK VALVE   |
| EXIST. BROWARD FIBER OPTIC            | ---(BROWARD)---             | F.D.C.        | FIRE DEPT. CONNECTION         |
| EXIST. COMCAST UNDERGROUND            | ---(COMCAST)---             |               |                               |
| EXIST. ELECTRICAL UNDERGROUND         | ---(ELECT)---               |               |                               |
| EXIST. FIBER OPTIC UNDERGROUND        | ---(FIBER)---               |               |                               |

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

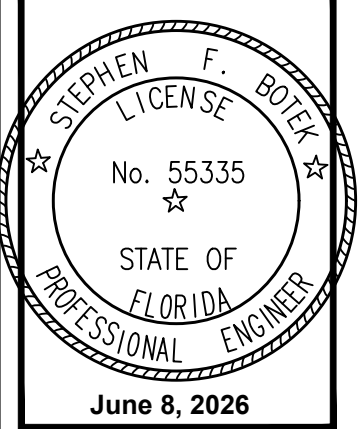


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WATER AND SANITARY SEWER PLAN  
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6-5-2024

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CA-WS-3



# WATER SYSTEM NOTES:

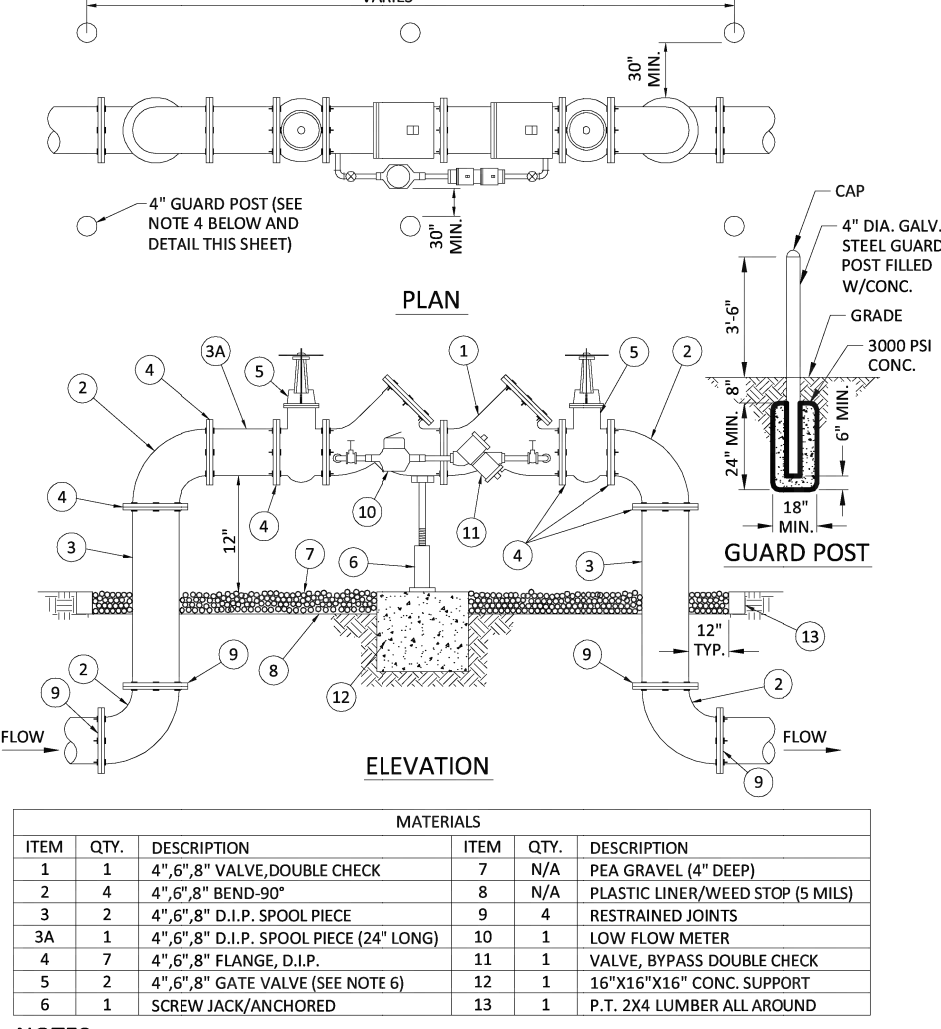
- NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE.
- 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 PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
- AT ALL UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ON THE PIPE WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-10, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-10, F.A.C. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
- NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON PIPE (D.I.P.) WHEN CROSSING BELOW SANITARY SEWER MAINS.
- POLYETHYLENE ENCASMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE, FITTINGS, VALVES, RODS, AND APPURTENANCES IN ACCORDANCE WITH AWWA C105, METHOD A. 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 PROVIDE A SINGLE FIT AND SHALL BE SECURED AT QUARTER POINTS WITH POLYETHYLENE TAPE. EACH END OF THE POLYETHYLENE TUBING SHALL BE SECURED WITH A WRAP OF POLYETHYLENE TAPE.
- THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND BEDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATERTIGHT ENCLOSURE. DAMAGED POLYETHYLENE TUBING SHALL BE REPAIRED IN A WORKMANLIKE MANNER USING POLYETHYLENE TAPE. ON THE DAMAGED SECTION SHALL BE REPLACED. POLY WRAP WILL NOT BE PAID FOR AS A SEPARATE BID ITEM. IT SHALL BE CONSIDERED TO BE A PART OF THE PRICE BID FOR WATER MAINS.
- 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.
- 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. GATE VALVES 3" THROUGH 16" IN DIAMETER SHALL BE RESILIENT SEAT AND BIDIRECTIONAL FLOW ONLY. VALVES FOR SPECIAL APPLICATIONS WILL REQUIRE CITY UTILITY APPROVAL.
- VALVE BOXES AND COVERS FOR ALL SIZE VALVES SHALL BE OF CAST IRON CONSTRUCTION AND ADJUSTABLE SCREW ON TYPE. THE LID SHALL HAVE CAST IN THE MIDDLE THE WORD "WATER" FOR THE WATER LINES. ALL VALVE BOXES SHALL BE SIX INCH (6") 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 FINISHED GRADE, UNLESS OTHERWISE APPROVED BY THE CITY.
- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.

ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM WATER SYSTEM NOTES DRAWING NO. W-01  
APPROVED: XXX

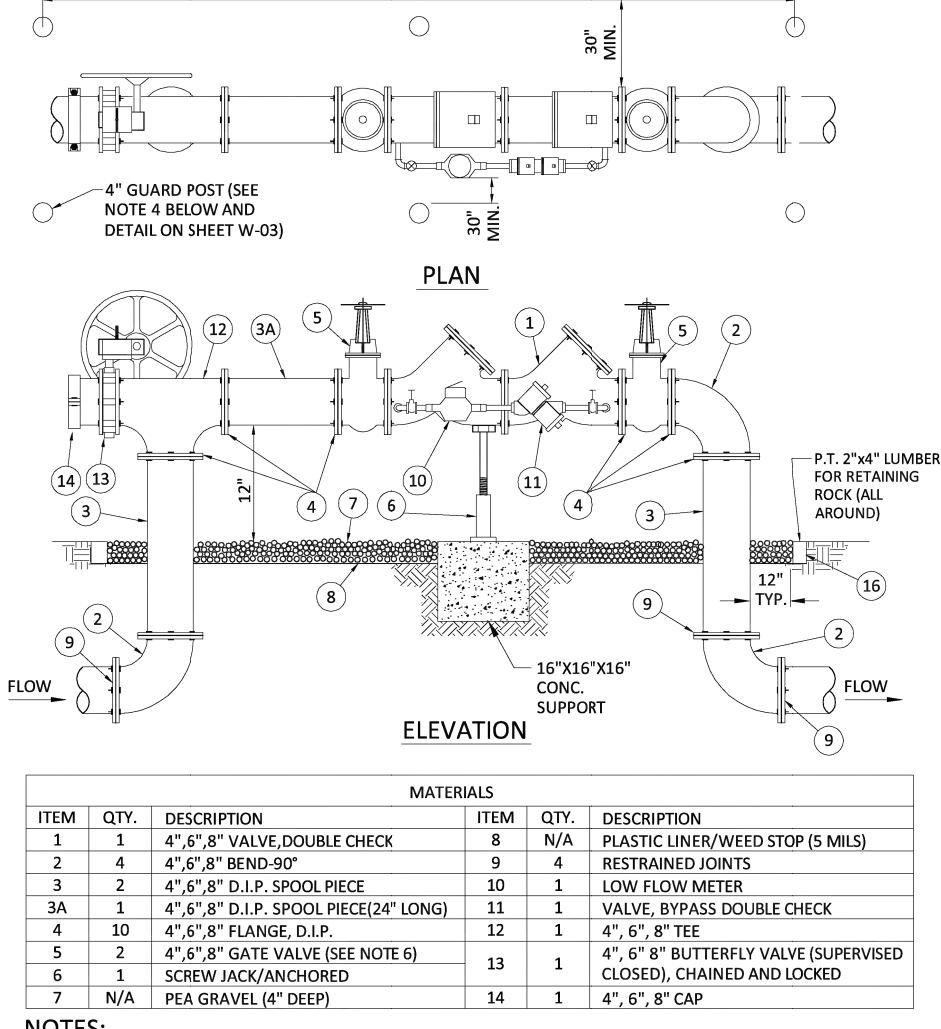
# WATER SYSTEM NOTES (CONTINUED):

- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.
- ALL PVC PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C900 LATEST REVISION AND CLASS DR 18. ALL DIP WATER MAINS SHALL BE DUCTILE IRON PRESSURE CLASS 350, WITH WALL THICKNESS COMPLYING WITH CLASS 52. ALL DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C151/A21.51-02 AND BE CEMENT UNED AND SEAL COATED PER ANSI/AWWA C150/A21.4-03.
- FITTINGS SHALL BE DUCTILE IRON, MEETING ANSI/AWWA C153/A21.53-00 SPECIFICATIONS, WITH 350 PSI MINIMUM WORKING PRESSURE. FITTINGS MUST BE CEMENT UNED AND SEAL COATED PER ANSI/AWWA C150/A21.4-03. ALL DUCTILE IRON PIPE AND FITTINGS MUST BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
- ALL DUCTILE IRON PIPE TO BE MECHANICAL JOINTS, WRAPPED IN POLY, ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY DESIGN.
- PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY.
- ALL TRENCHING, PIPE LAYING, BACKFILL, PRESSURE TESTING, AND DISINFECTING MUST COMPLY WITH THE CITY OF HOLLYWOOD SPECIFICATIONS.
- THE MINIMUM DEPTH OF COVER OVER WATER MAINS IS 30" (DIP) OR 36" (PVC).
- MINIMUM HORIZONTAL SEPARATION BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 3'.
- MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 50% OF MANUFACTURER'S RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH WATER MAINS PLACED AT MINIMUM COVER. IN CASE OF CONFLICT, WATER MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 18" MINIMUM VERTICAL SEPARATION. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.
- PIPE JOINT RESTRAINT SHALL BE PROVIDED BY THE USE OF DUCTILE IRON FOLLOWER GLANDS MANUFACTURED TO ASTM A 536-80, TWIST-OFF TYPE. THESE SHALL BE USED TO ENSURE PROPER ACTUATING OF THE RESTRAINING DEVICES. THE MECHANICAL JOINT RESTRAINING DEVICES SHALL HAVE A WORKING PRESSURE OF 250 PSI MINIMUM, WITH A MINIMUM SAFETY FACTOR OF 2:1, AND SHALL BE EBM-IRON INC., MEGALOG OR APPROVED EQUAL JOINT RESTRAINTS SHALL BE PROVIDED AT A MINIMUM OF THREE JOINTS (60 FEET) FROM ANY FITTING.
- 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 SHIELDING 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 ENGINEER 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.

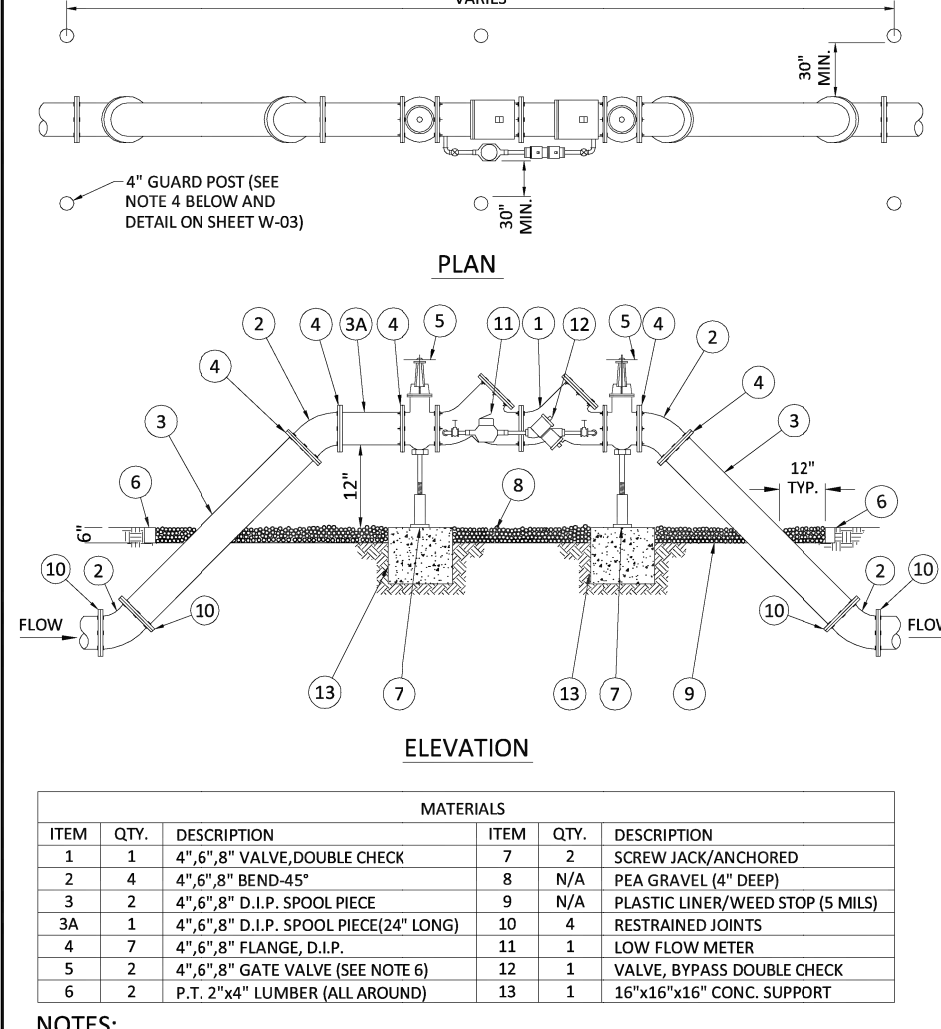
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DRAWN: EAM WATER SYSTEM NOTES DRAWING NO. W-02  
APPROVED: XXX



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM TYPICAL 4\"/>



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM TYPICAL 4\"/>



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM TYPICAL 4\"/>

BTE REF DATE: 6-8-2020

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STEPHEN F. BOTEK  
No. 55335  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
June 8, 2026

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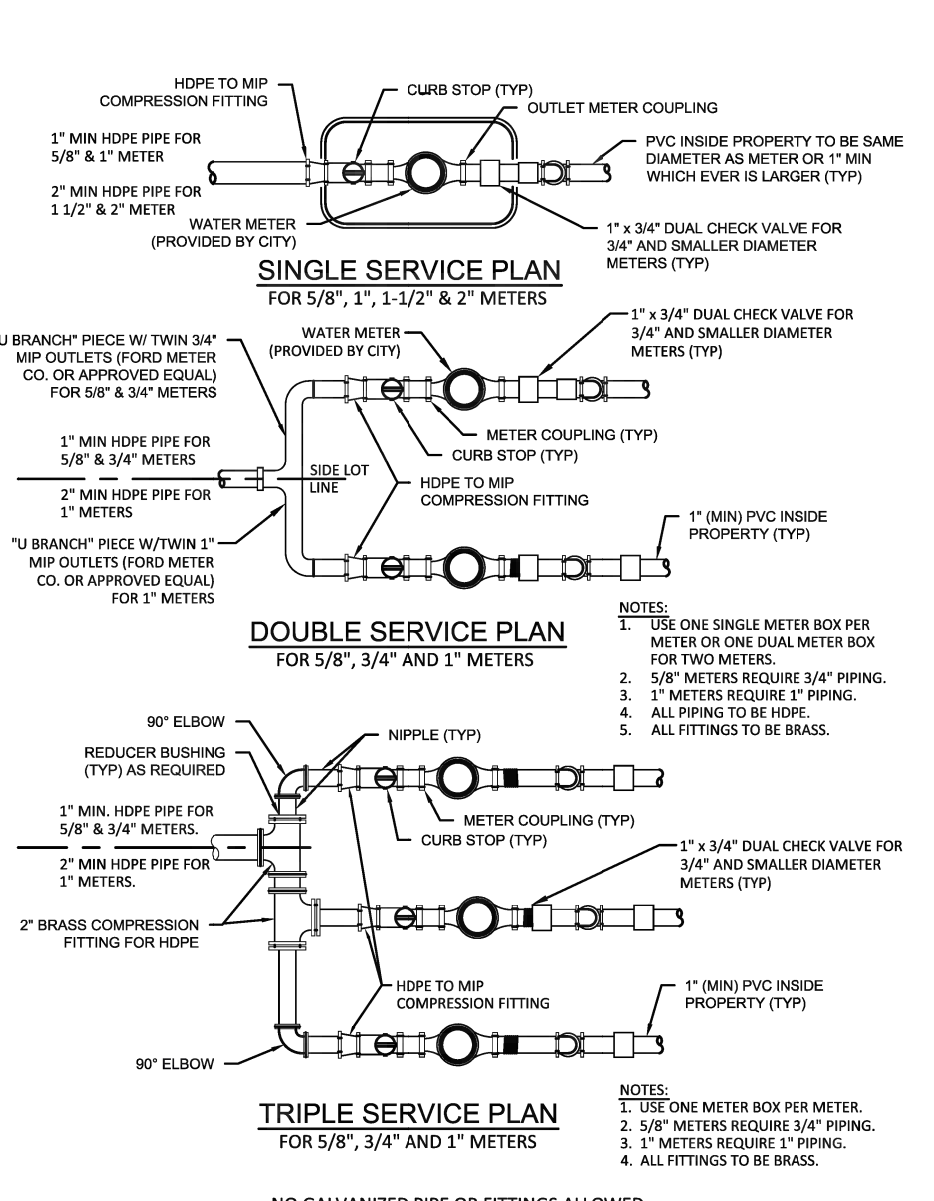
WATER AND SANITARY SEWER DETAILS  
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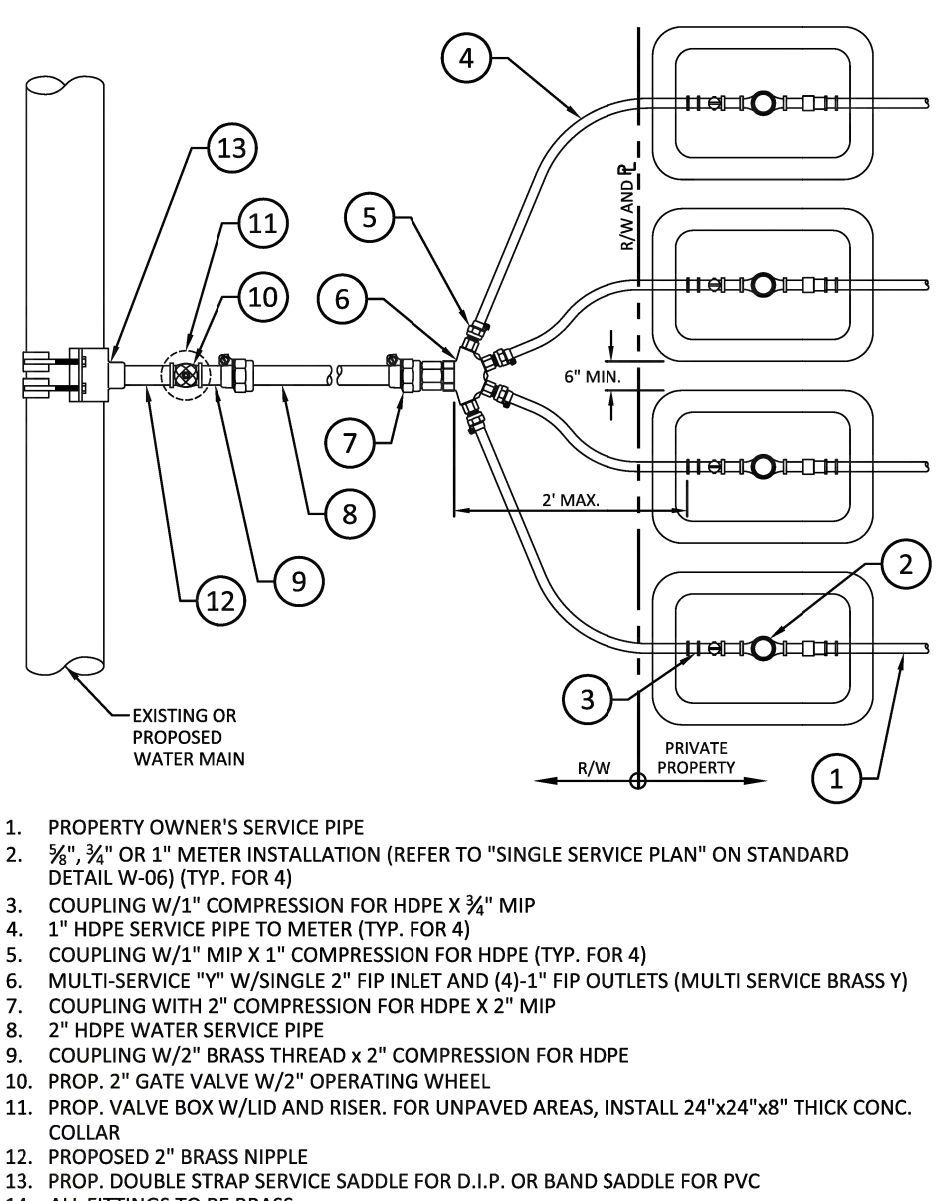
BTE PROJECT #  
22-0401

PROJECT DATE:  
6-5-2024

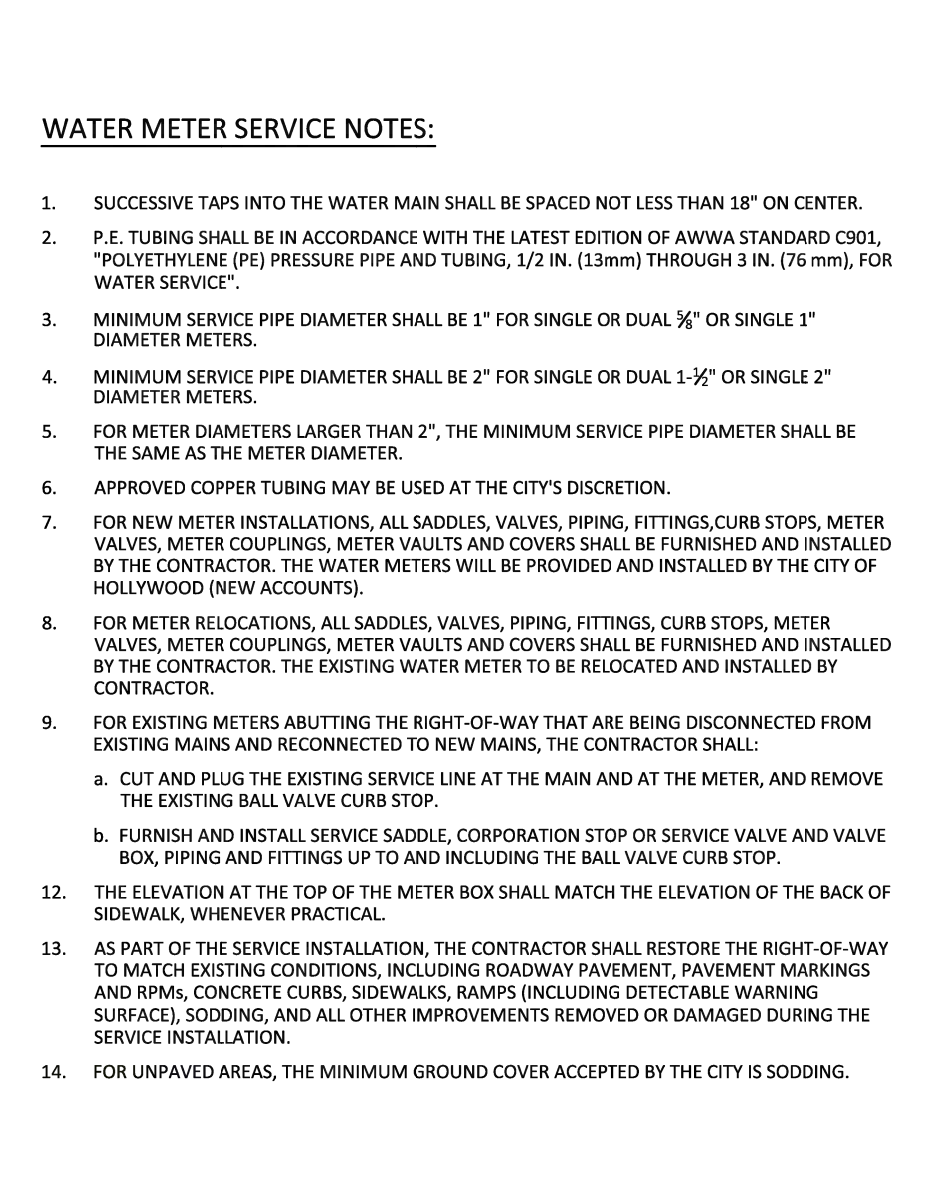
SHEET #:  
CA-WS-4



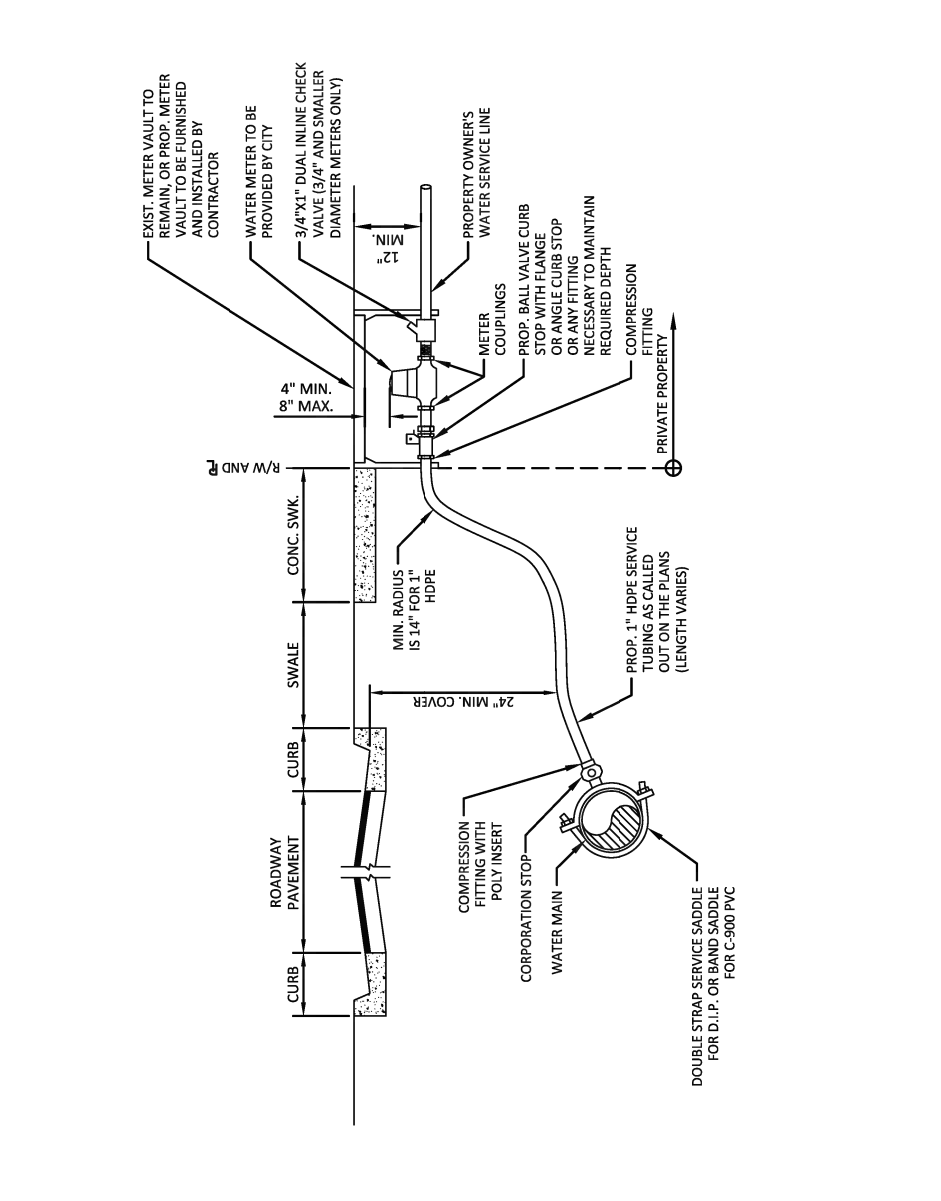
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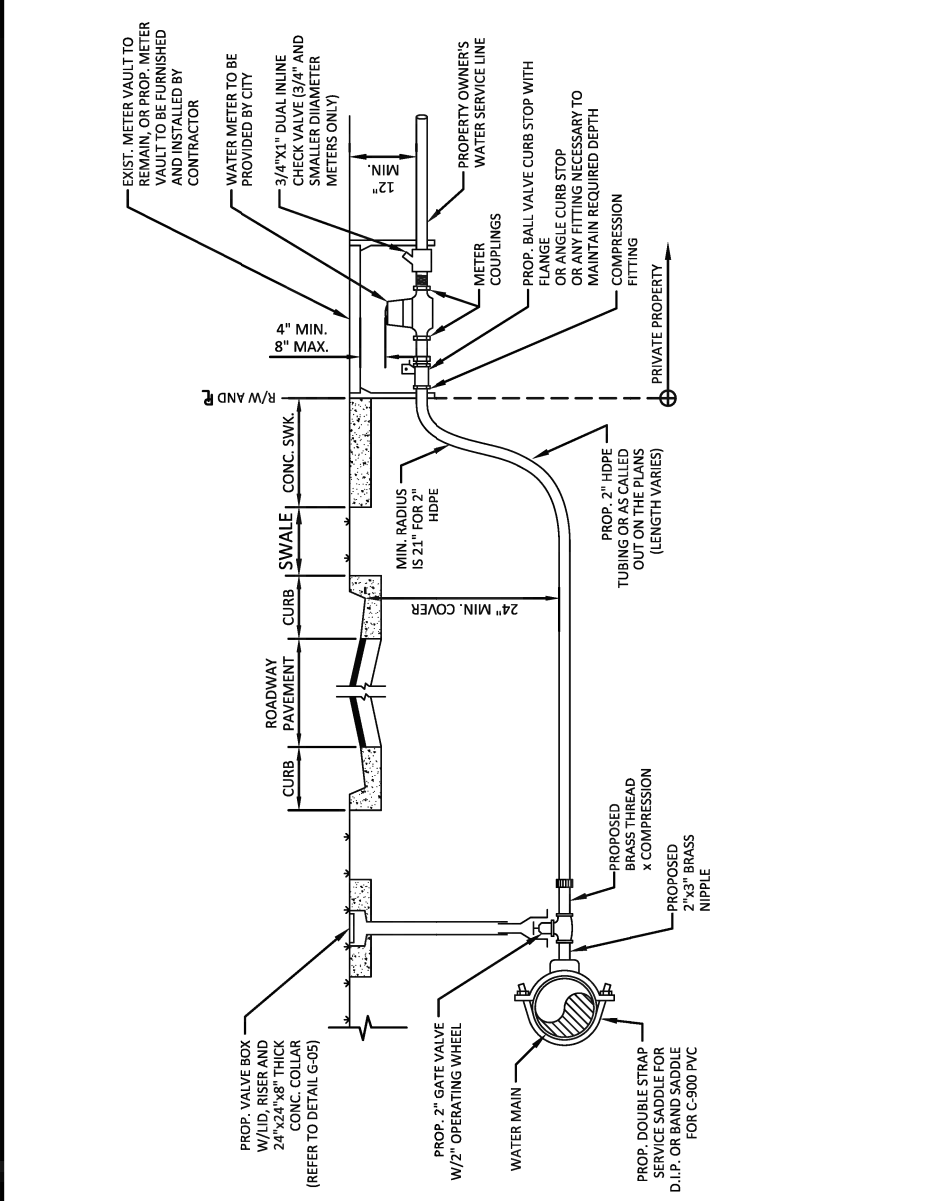
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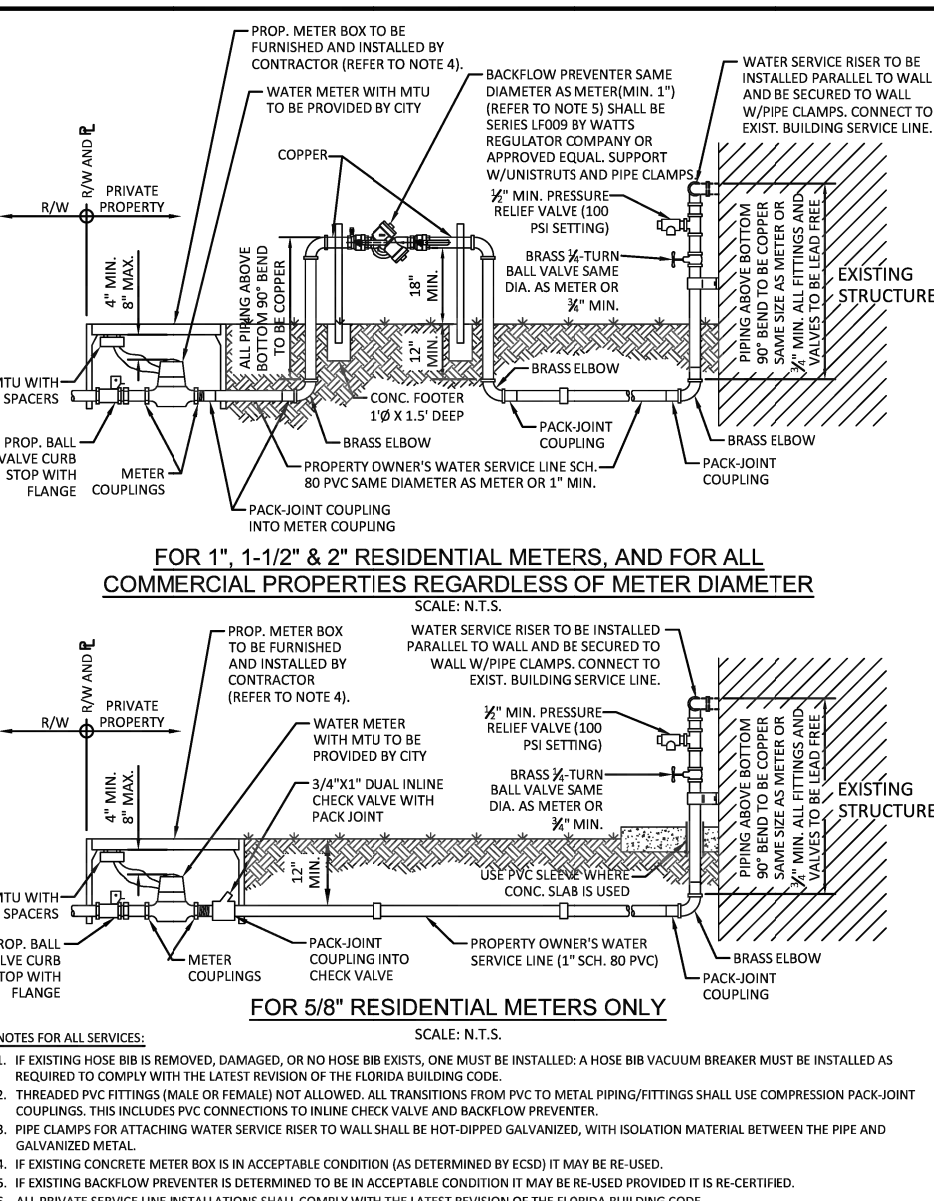
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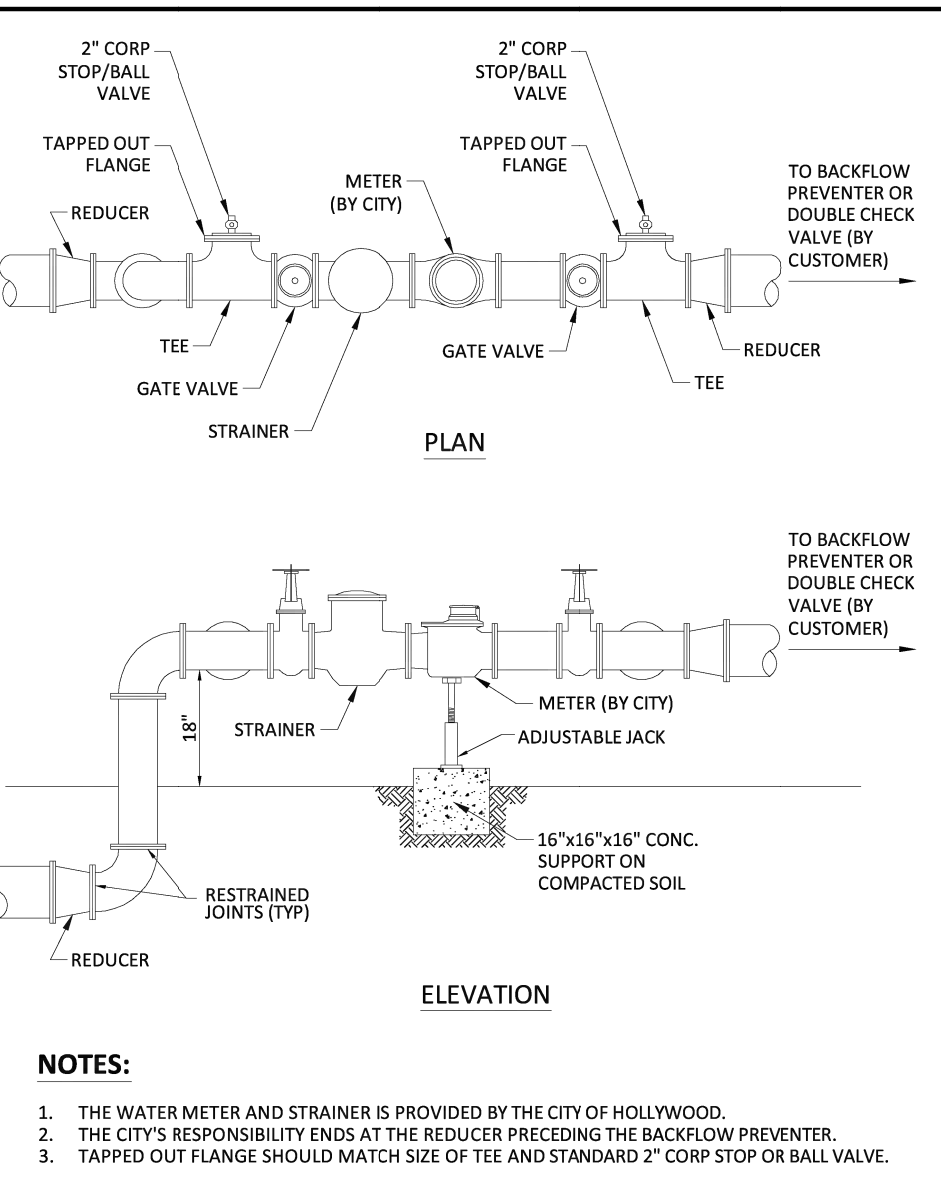
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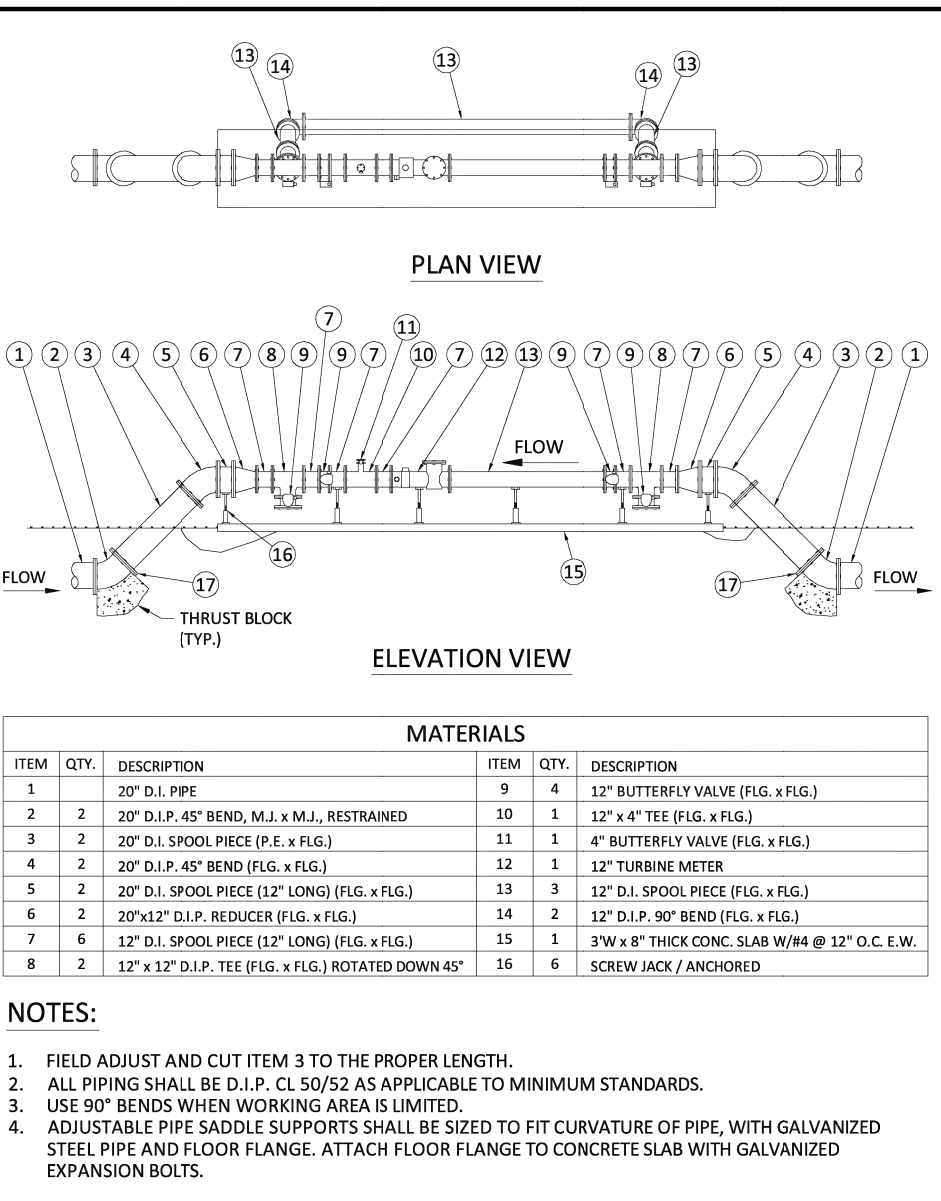
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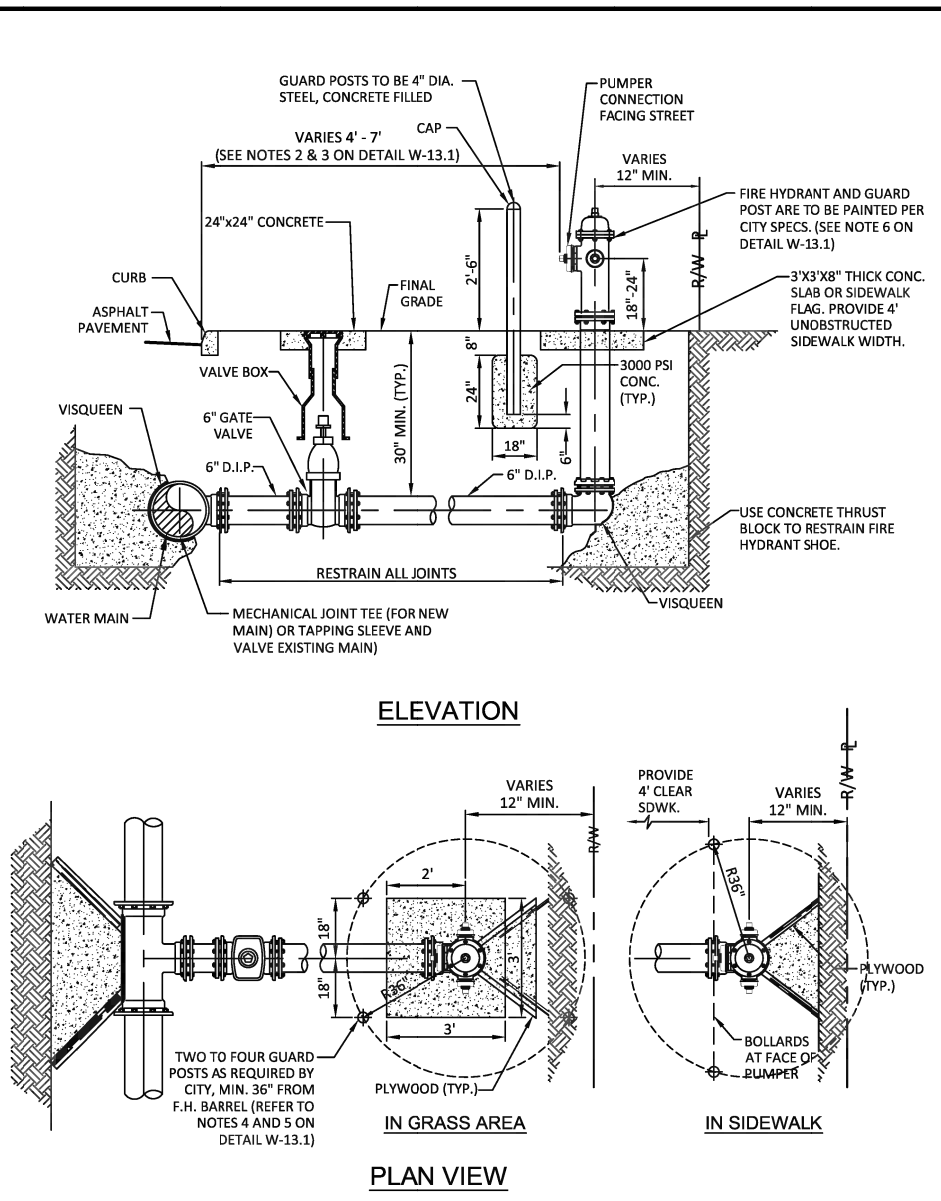
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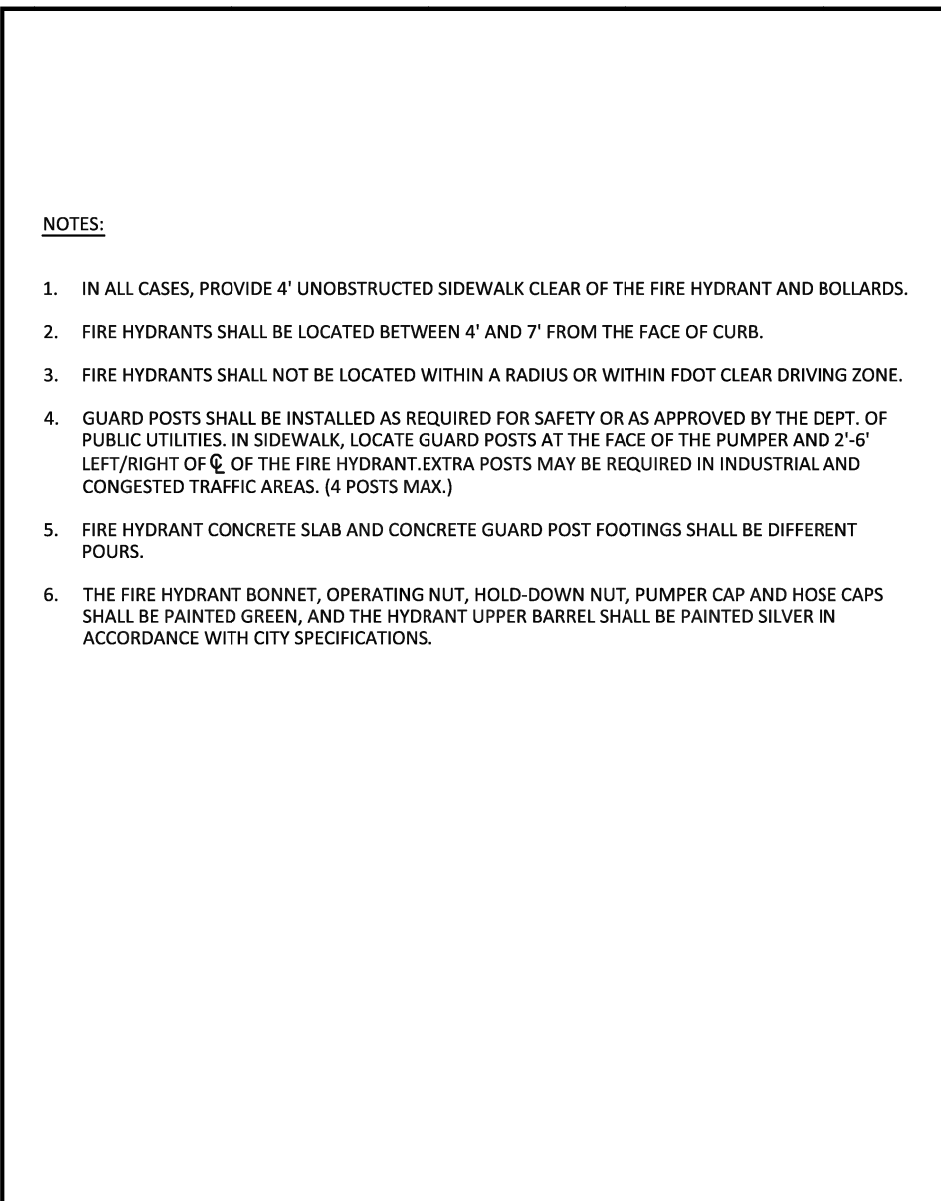
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ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM 12\"/>



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 03/05/2019  
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APPROVED: XXX



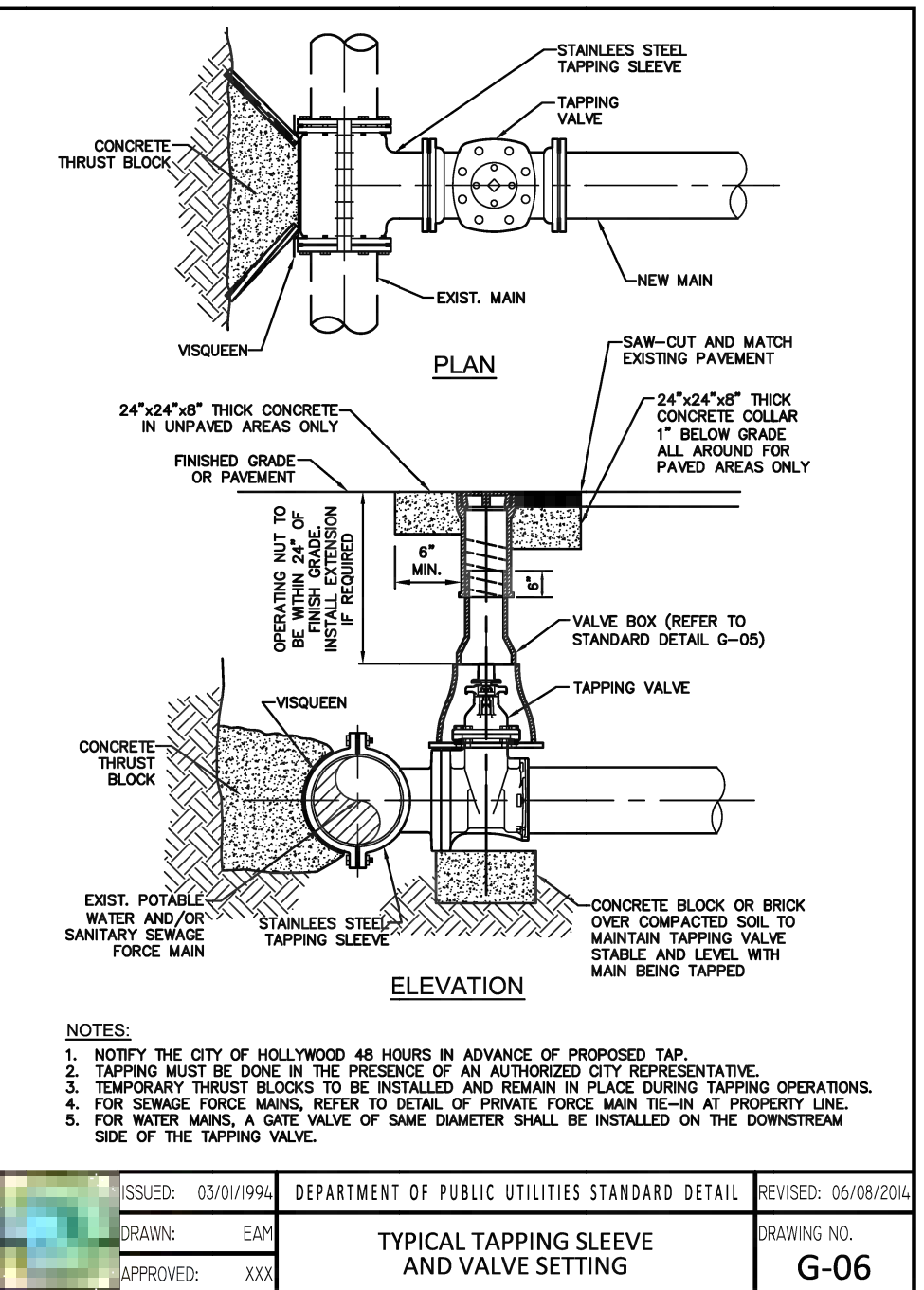
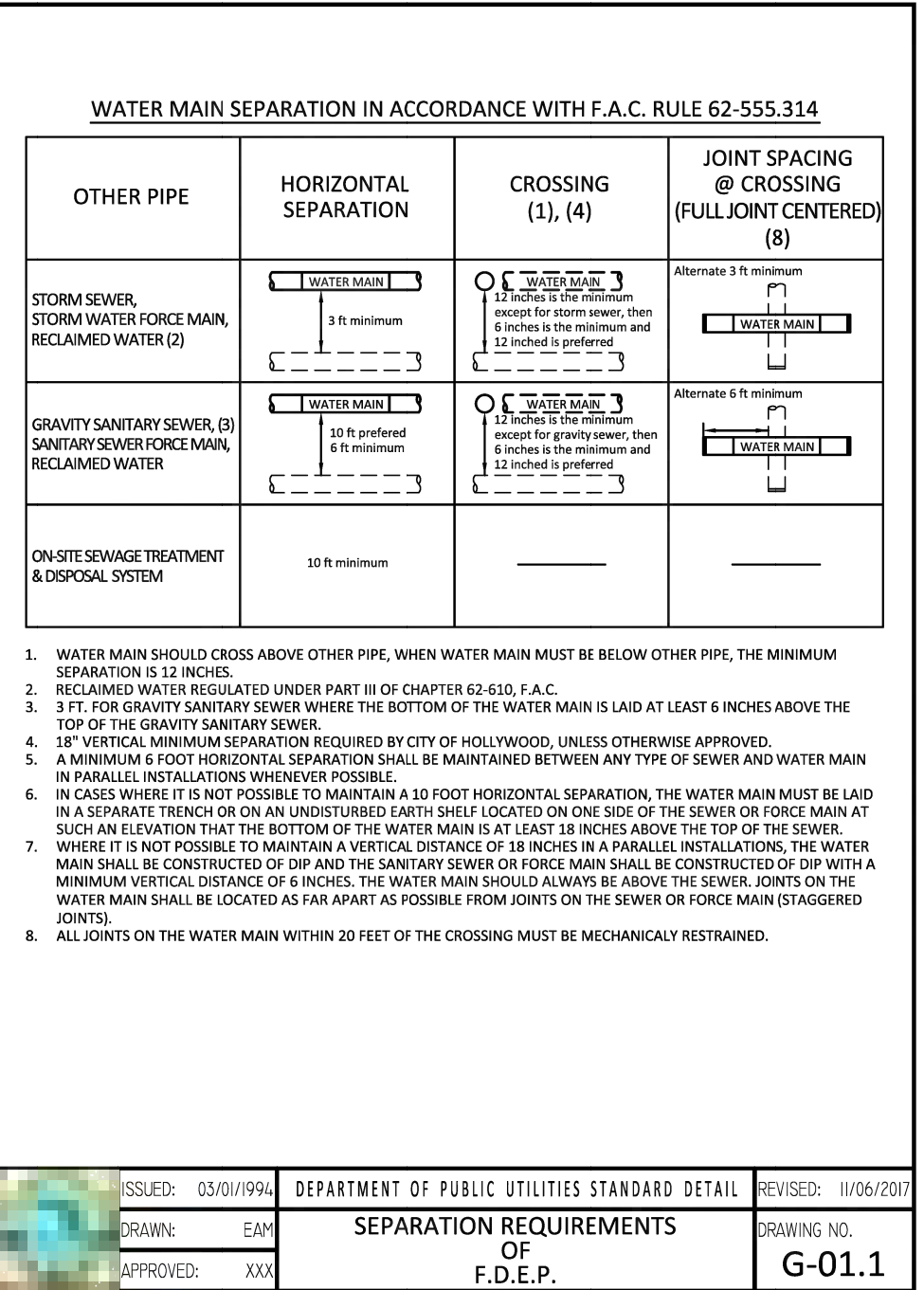
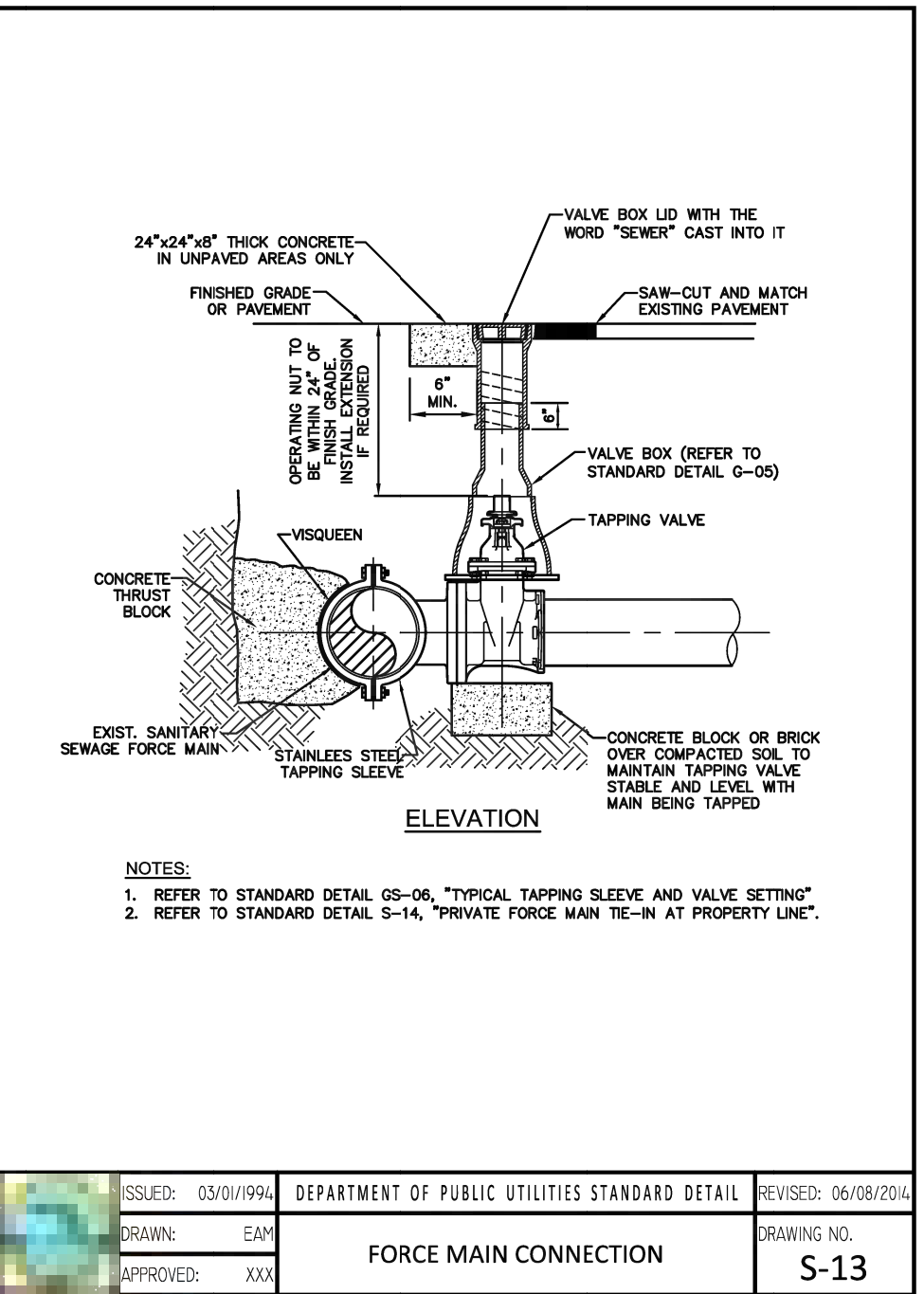
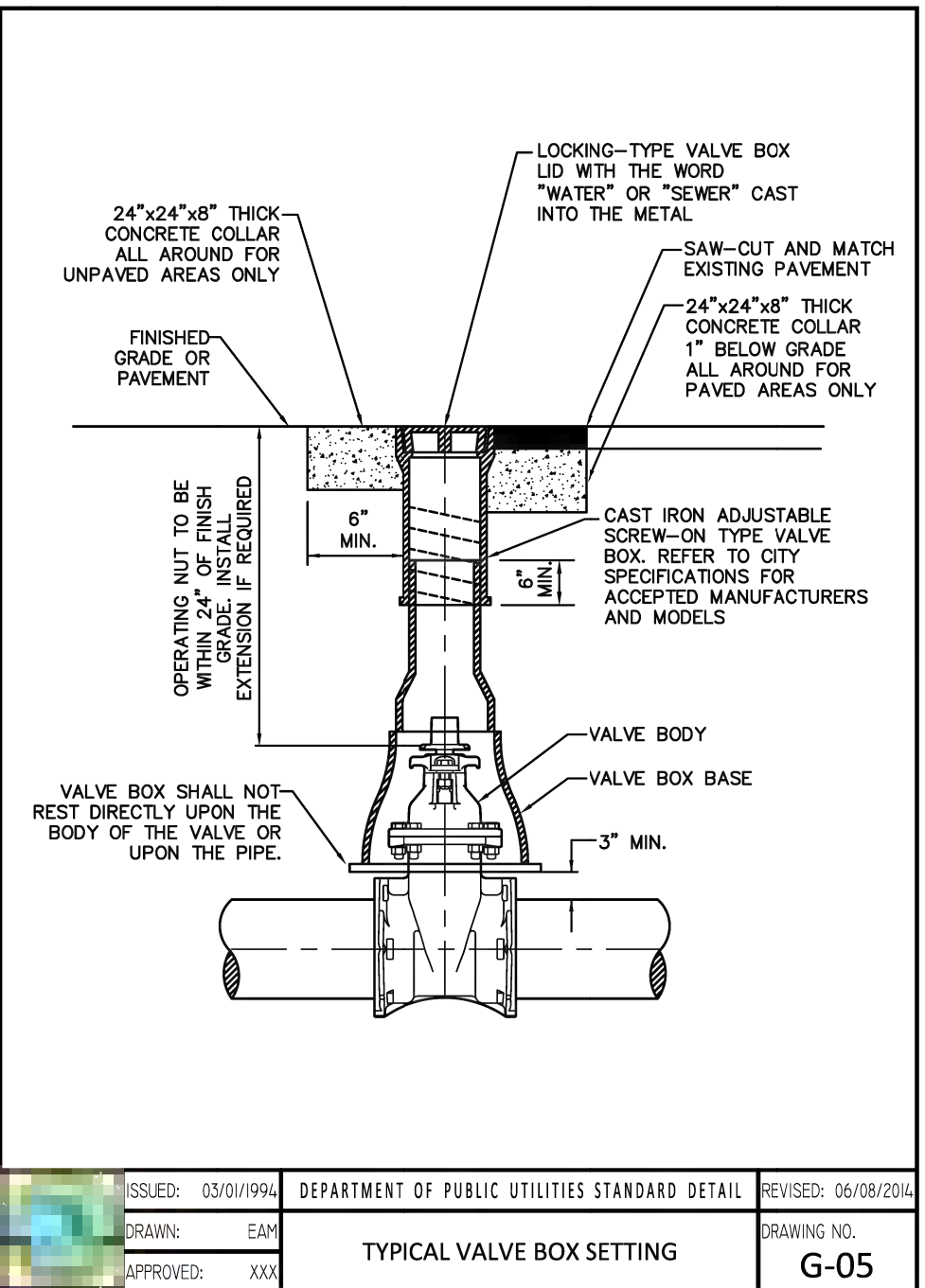
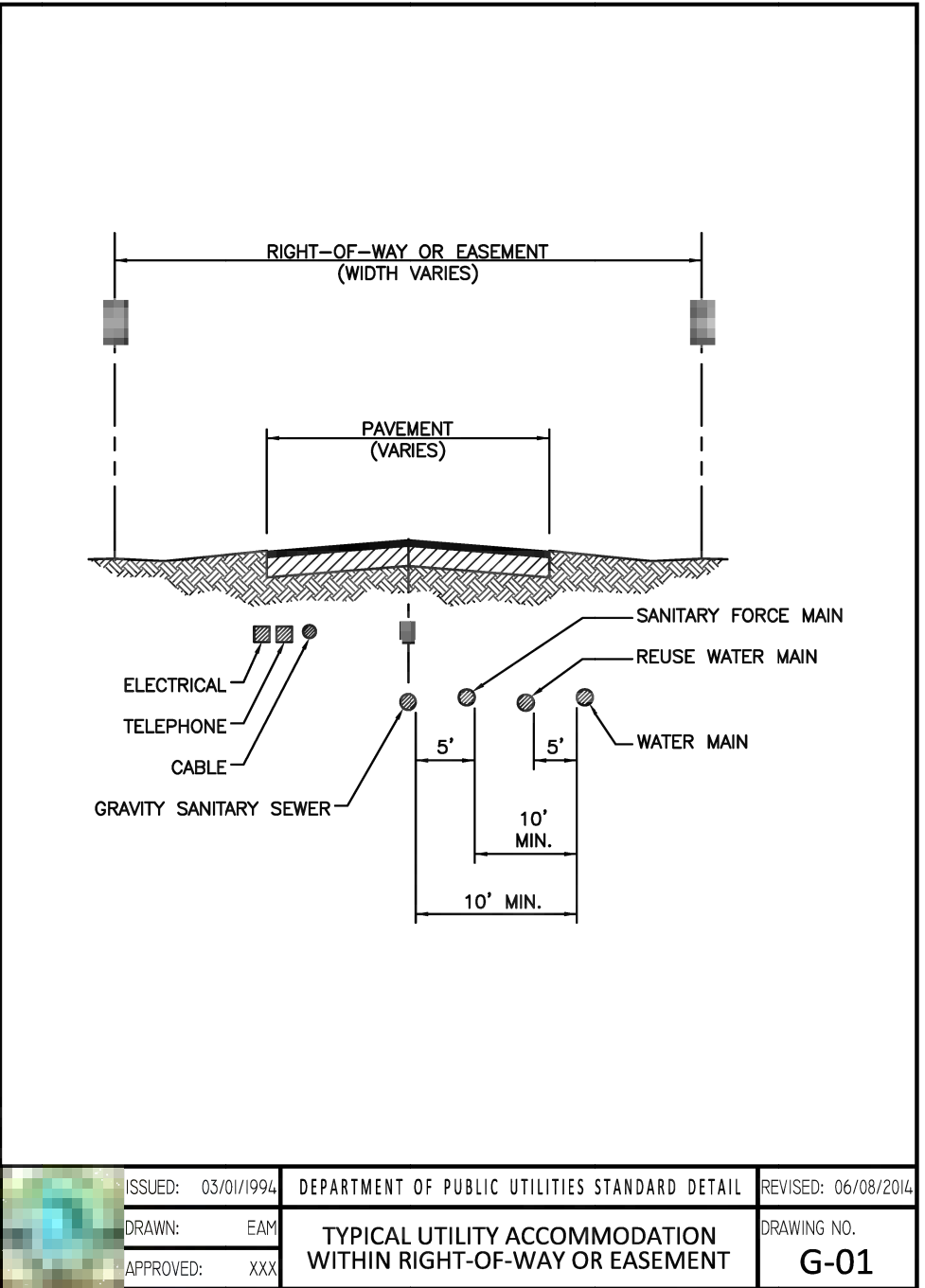
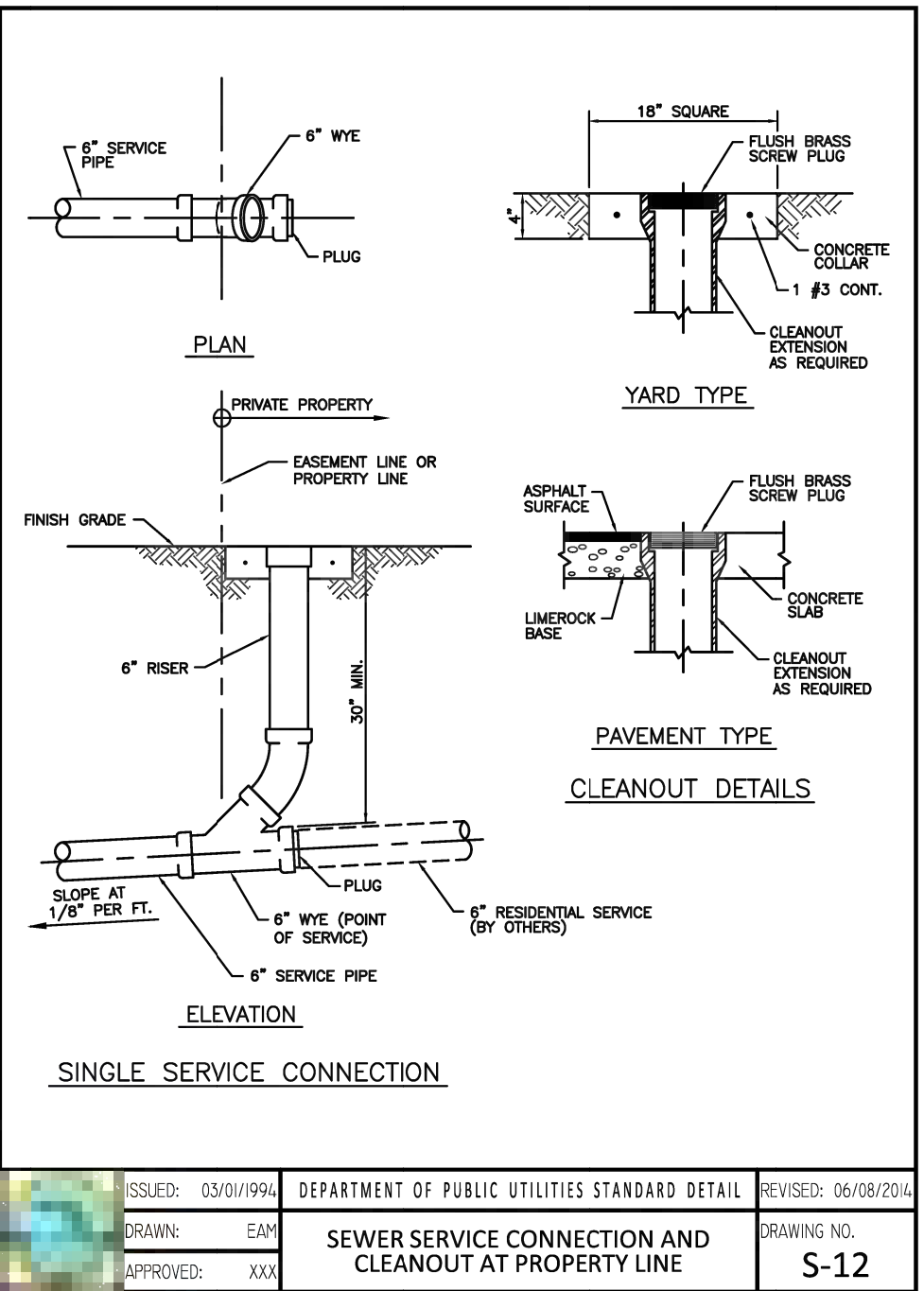
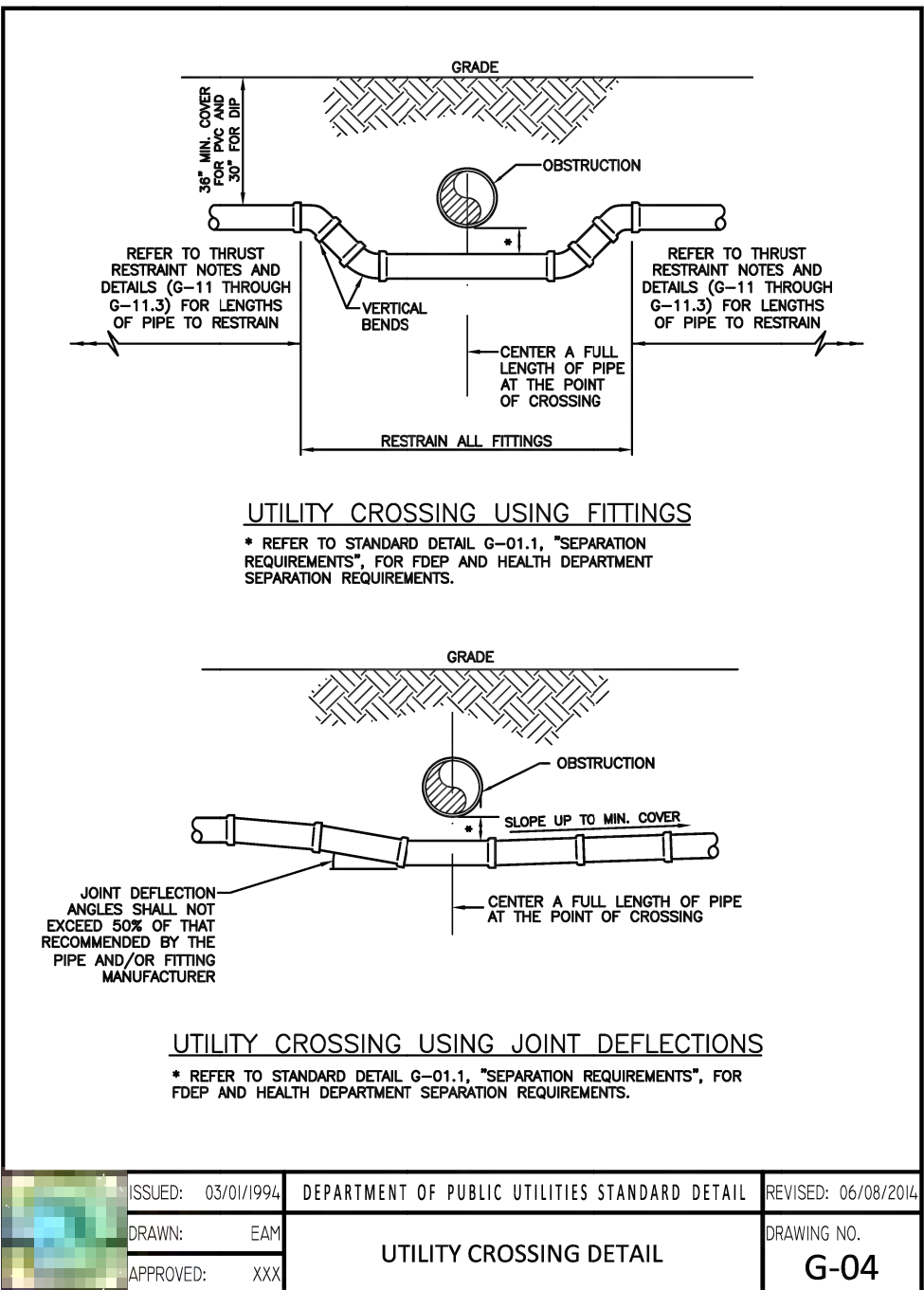
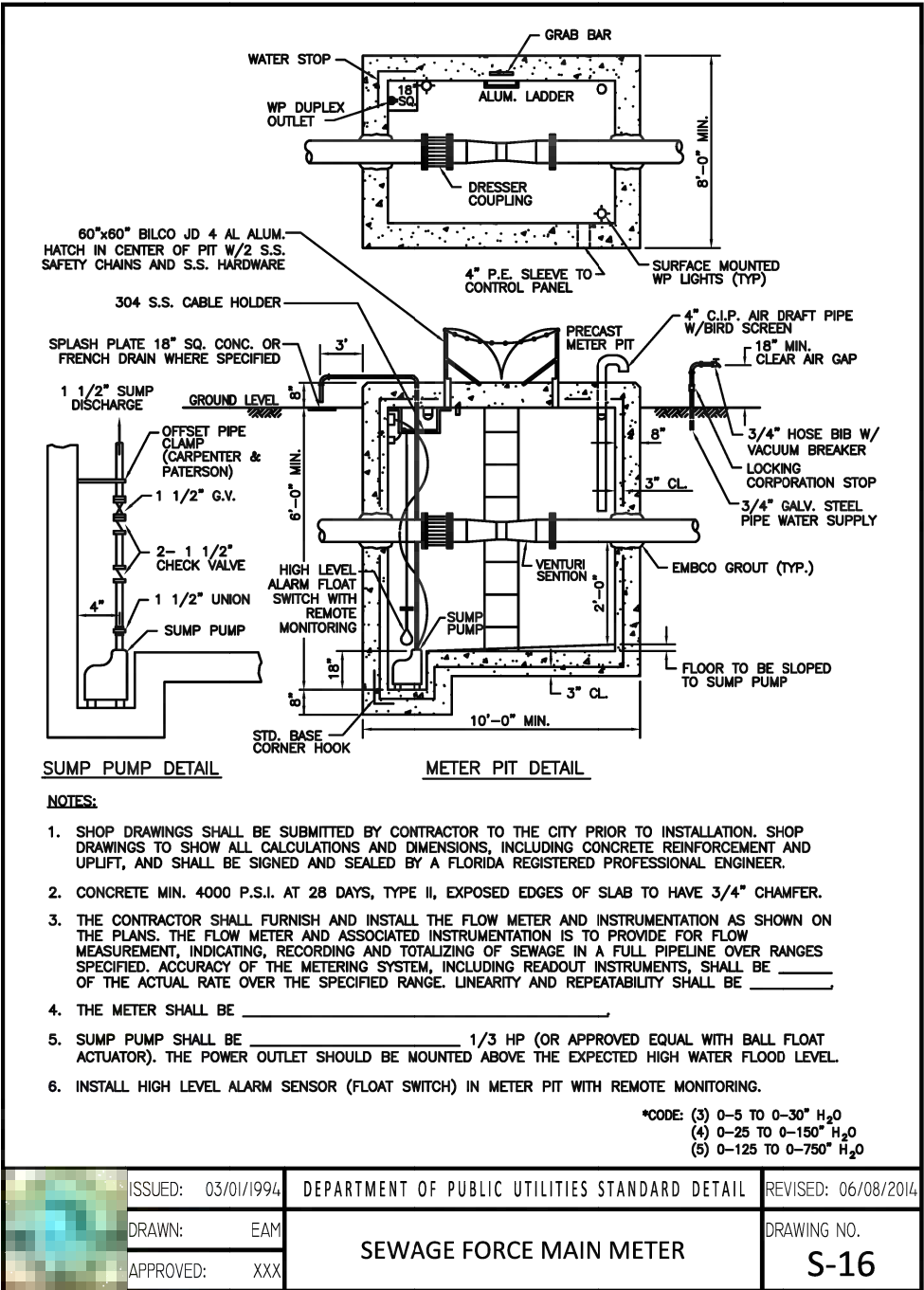
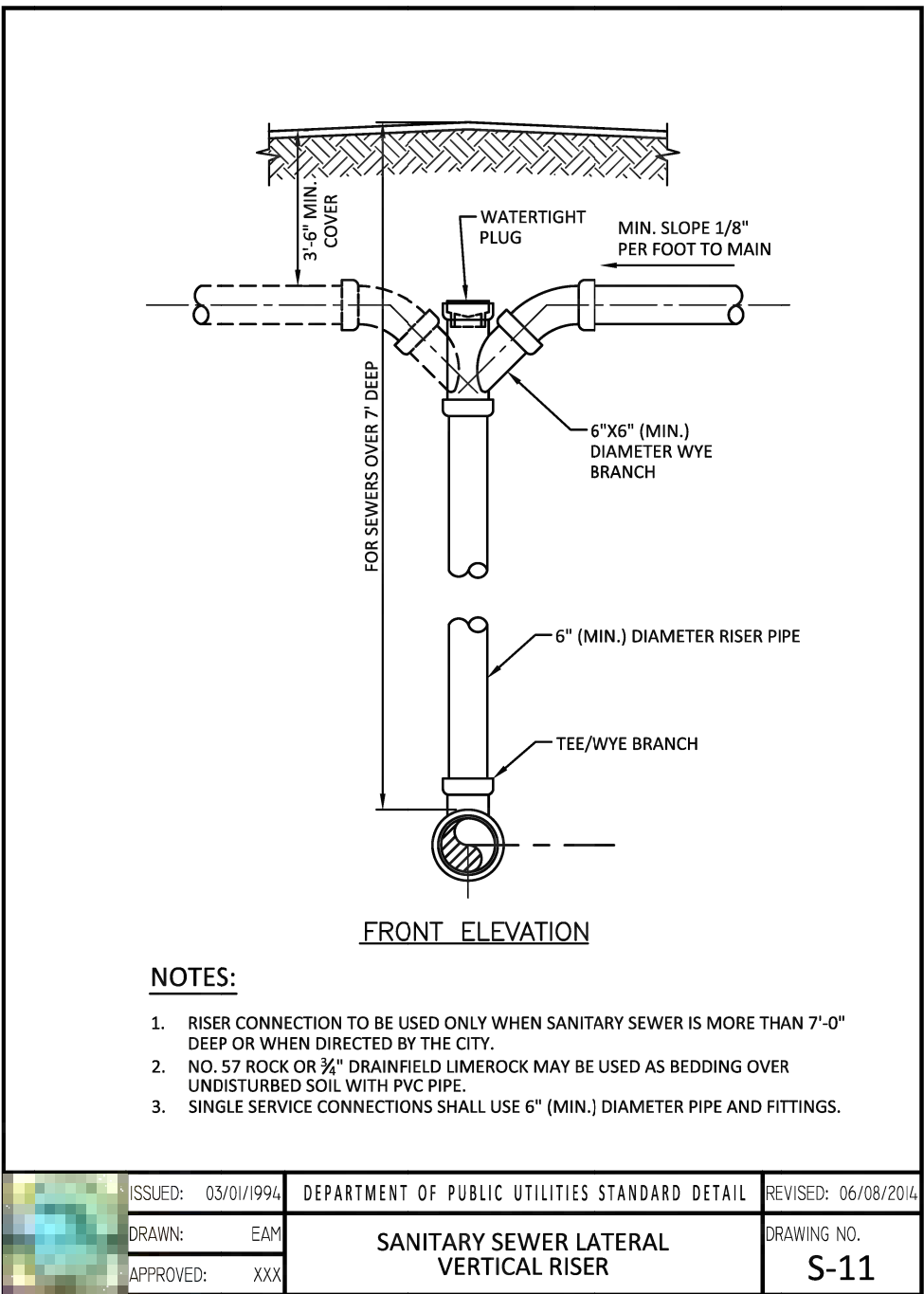
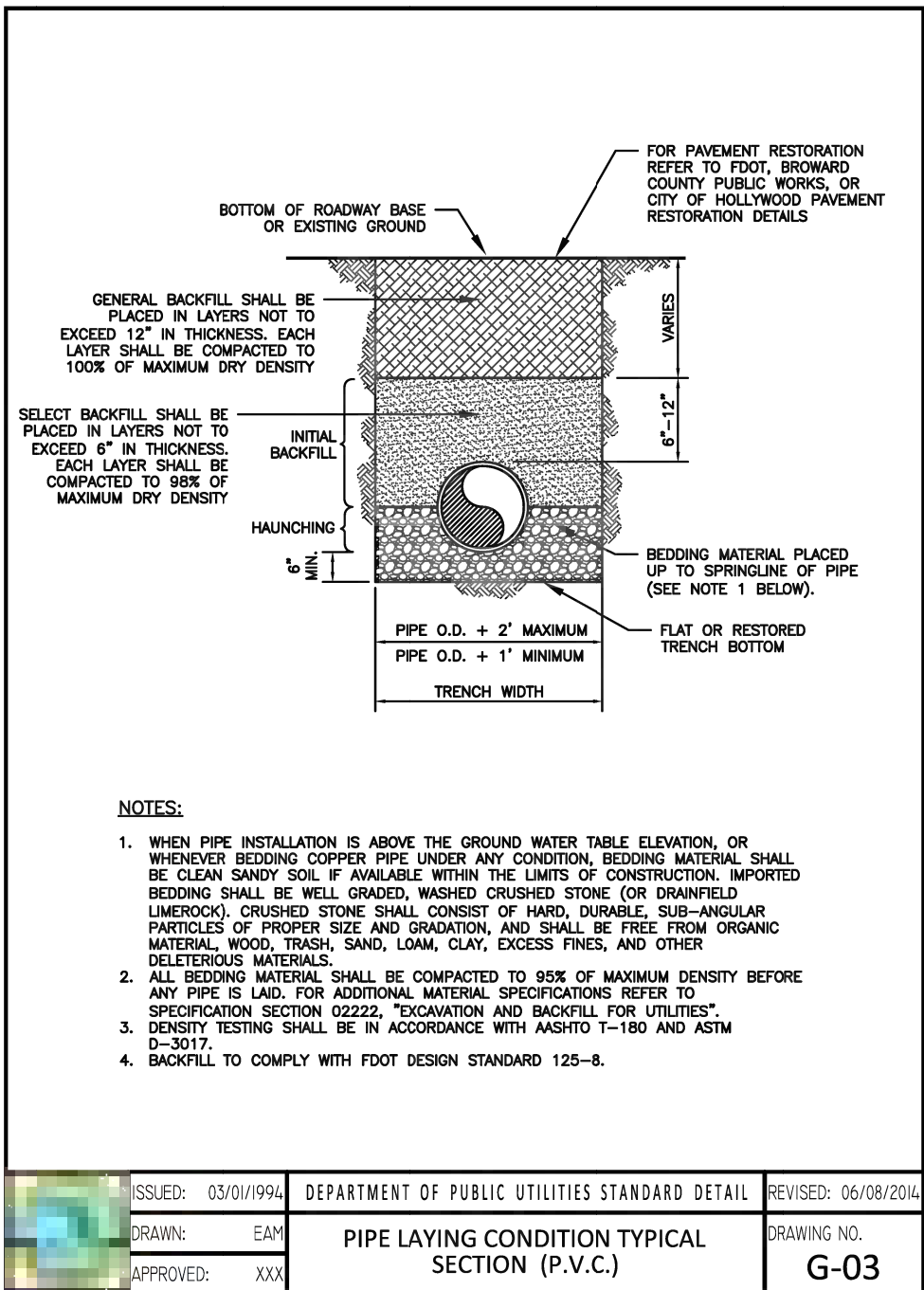
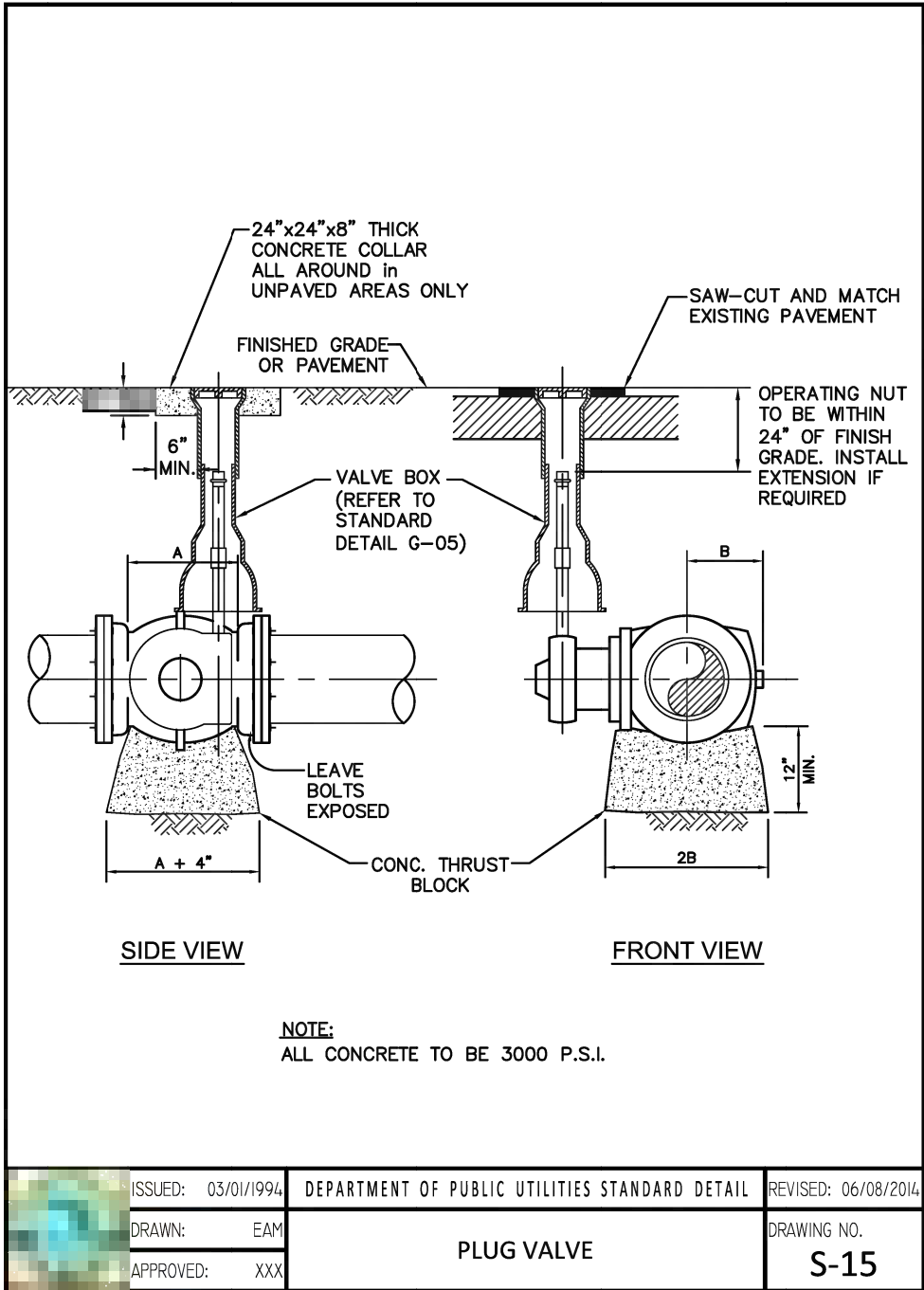
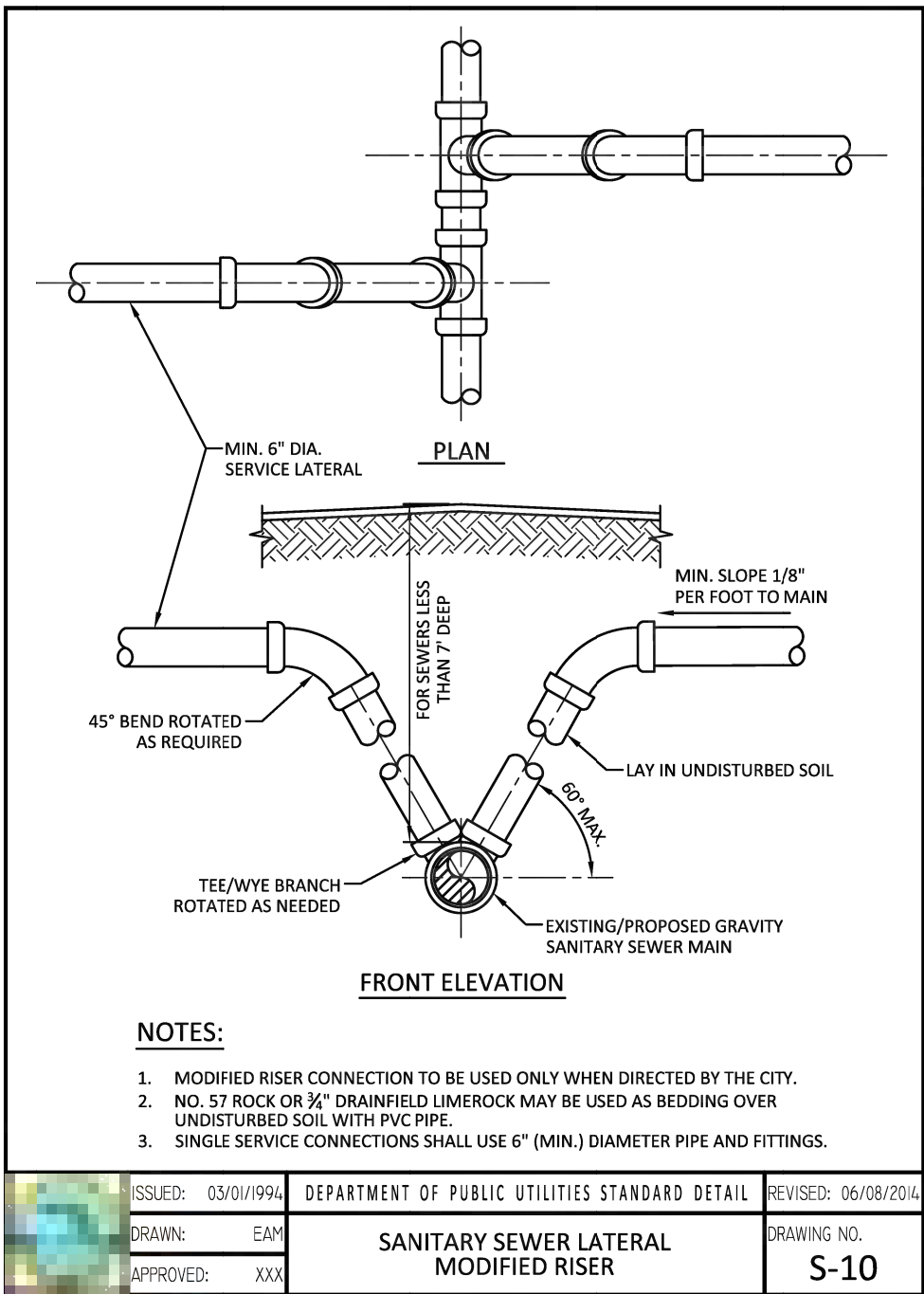
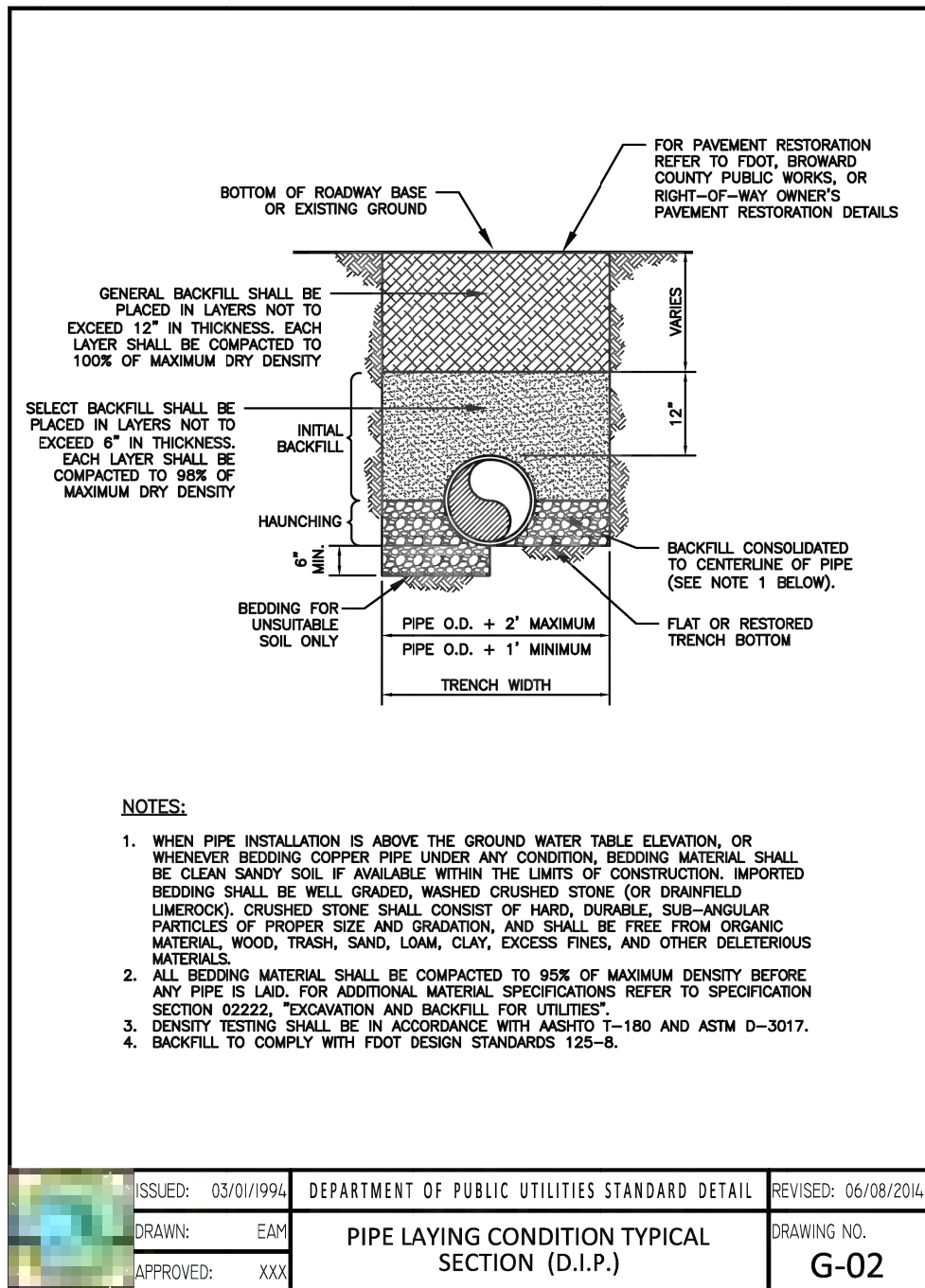
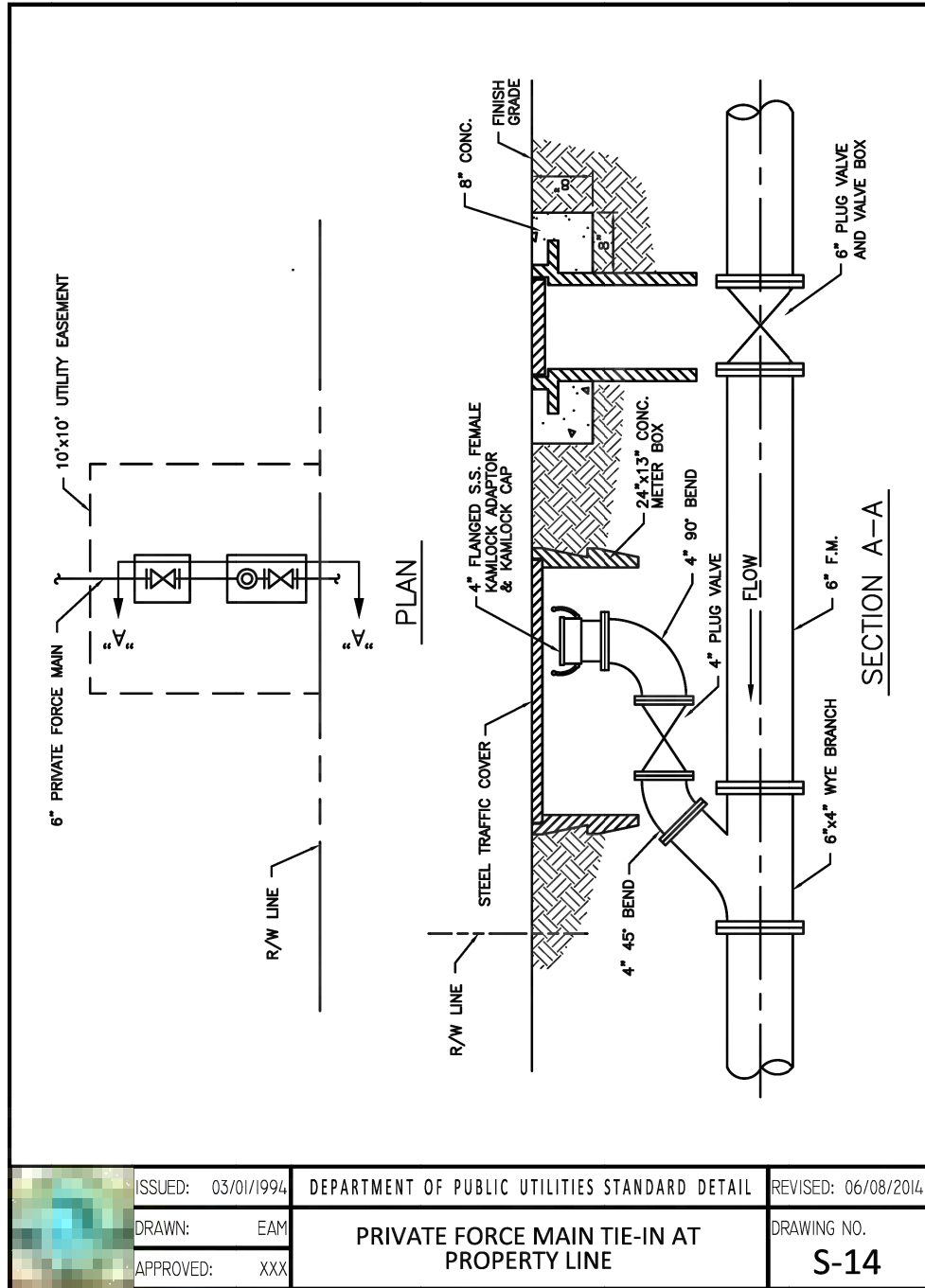
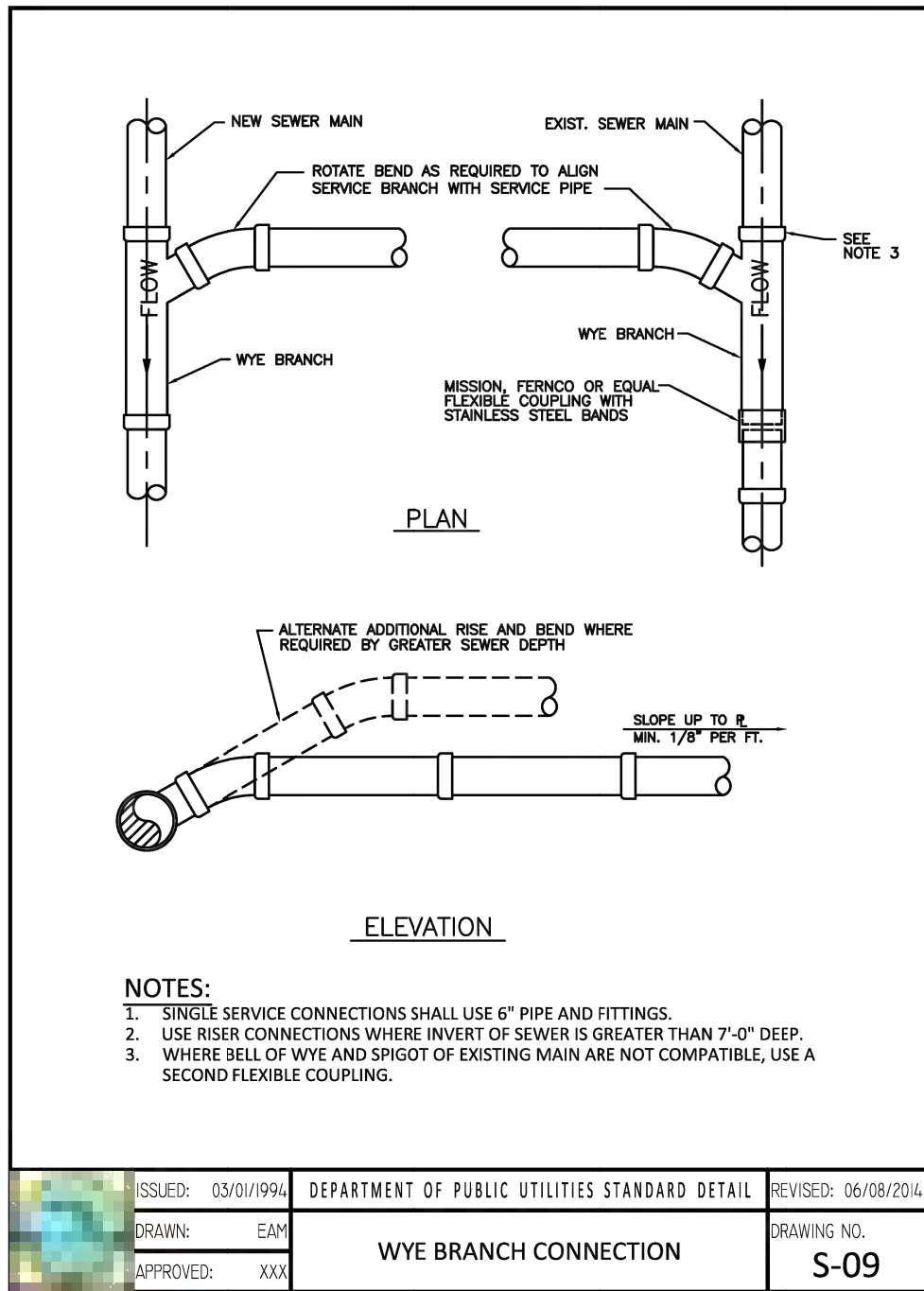
ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM TYPICAL FIRE HYDRANT NOTES DRAWING NO. W-13.1  
APPROVED: XXX

CA-WS-4



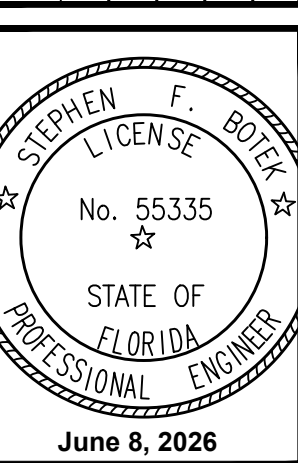






BTE REF DATE: 6-8-2020

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WATER AND SANITARY SEWER DETAILS  
**EMERALD HILLS**  
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Hollywood, Florida

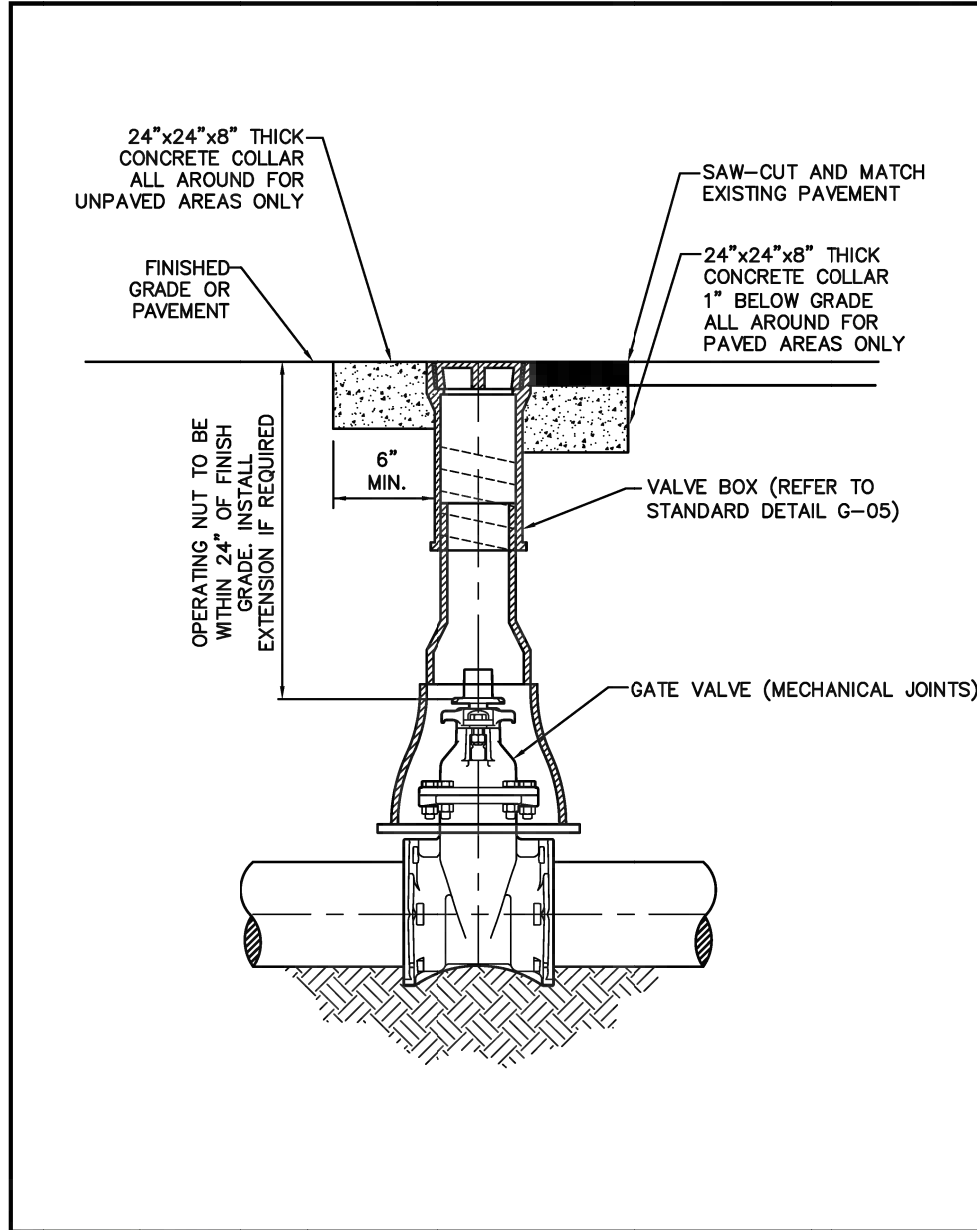
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BTE PROJECT #:  
22-0401

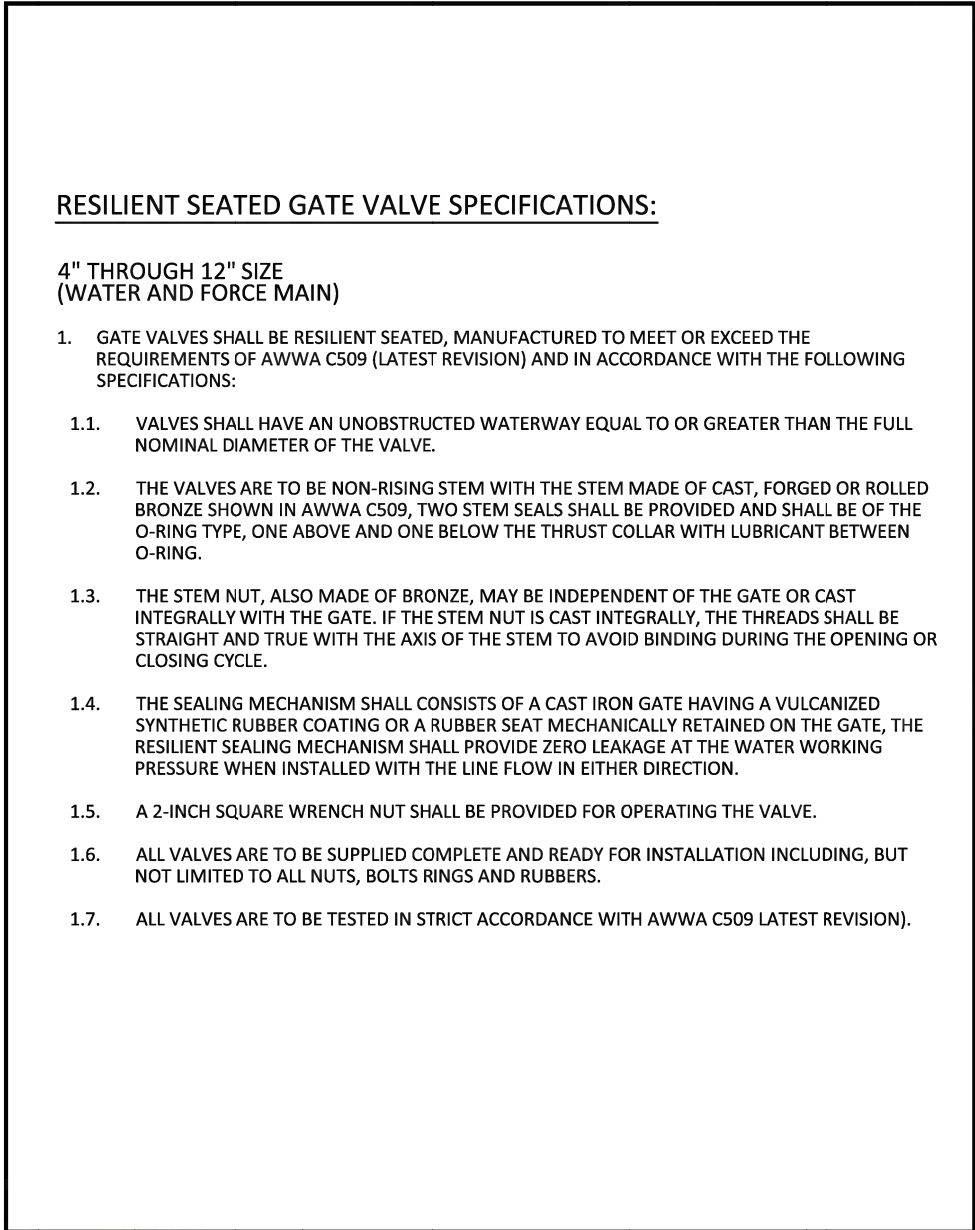
PROJECT DATE:  
6-5-2024

SHEET #:  
CA-WS-6

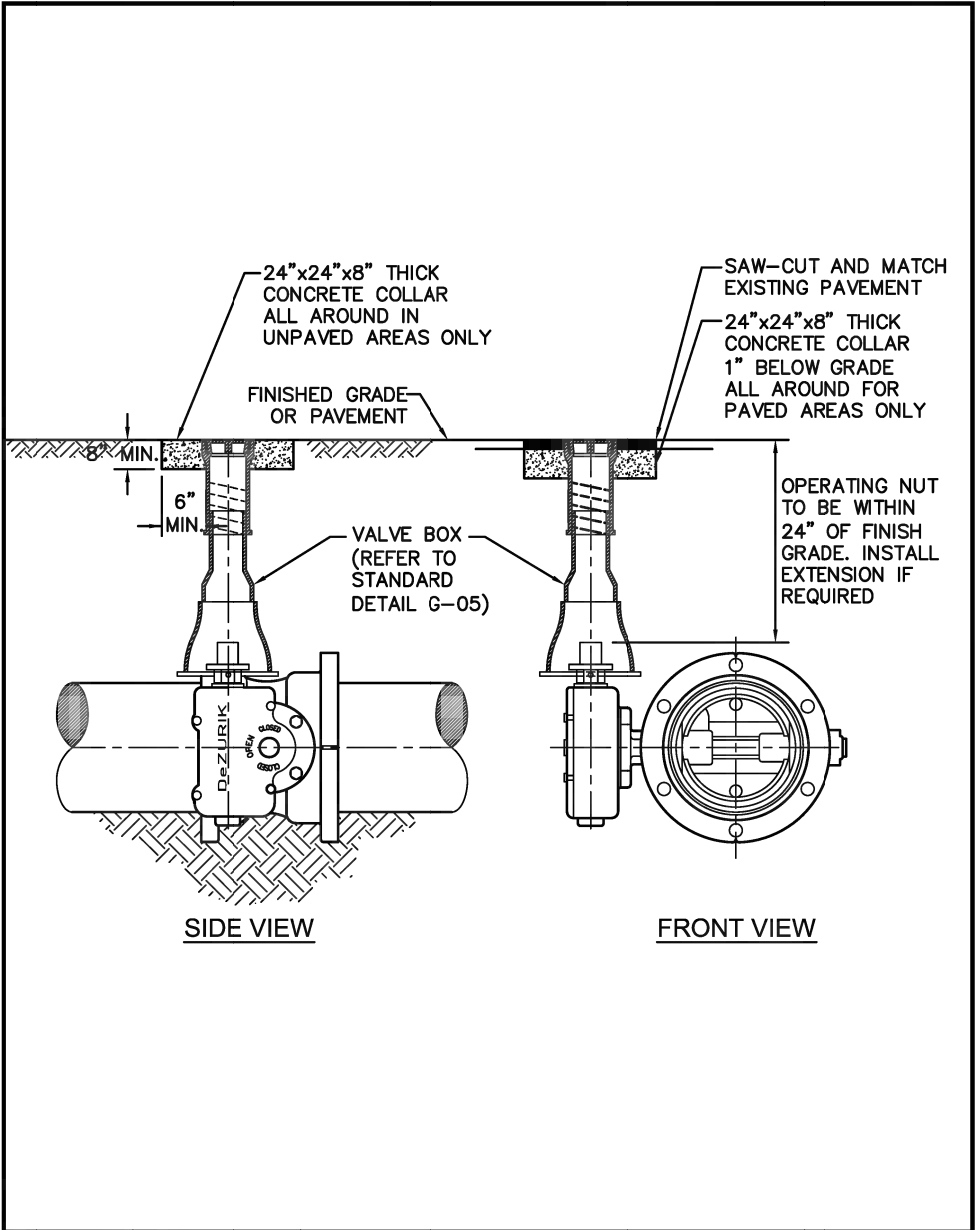




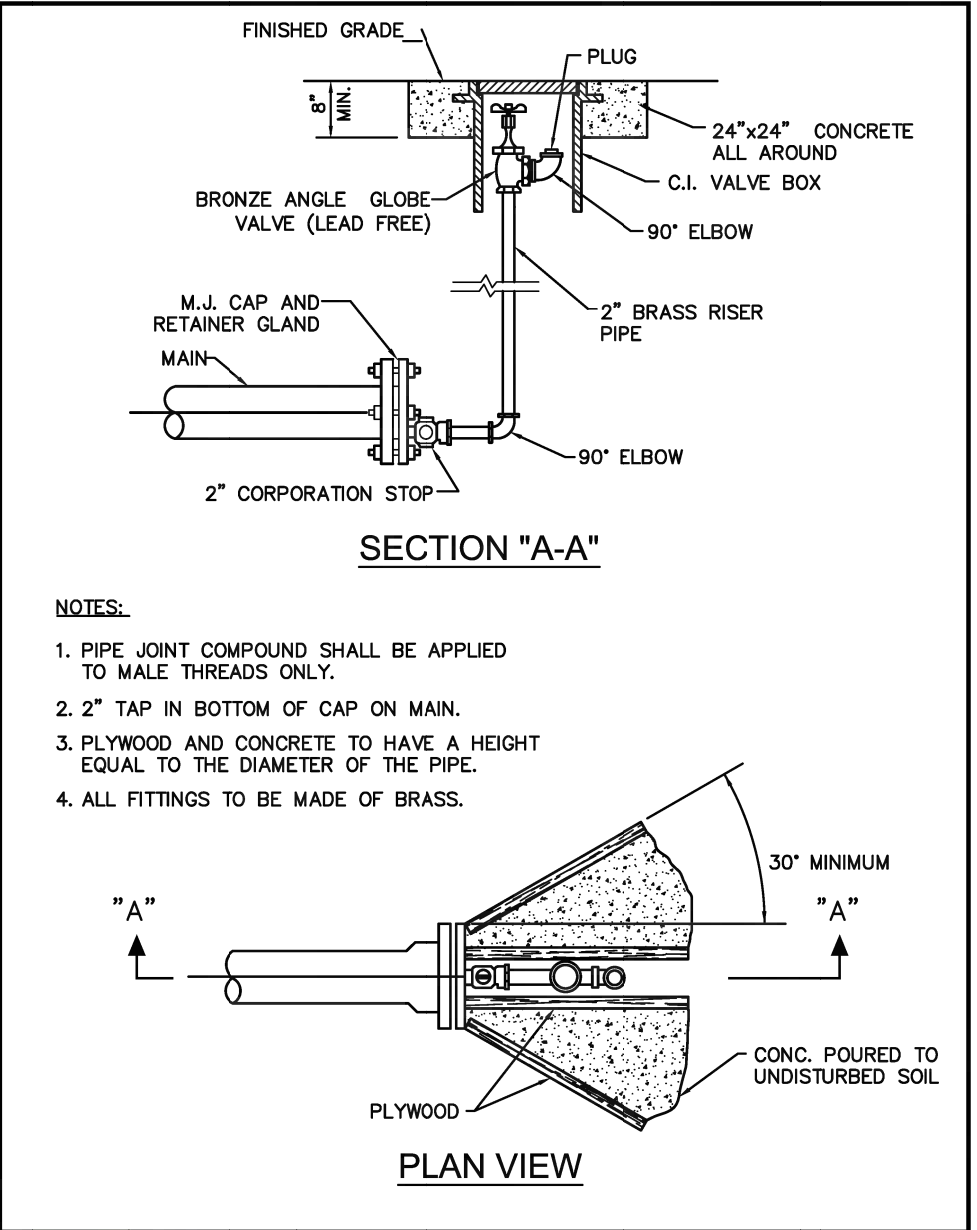
ISSUED: 03/01/99A DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM  
APPROVED: XXX  
TYPICAL GATE VALVE AND VALVE BOX SETTING  
DRAWING NO. G-07



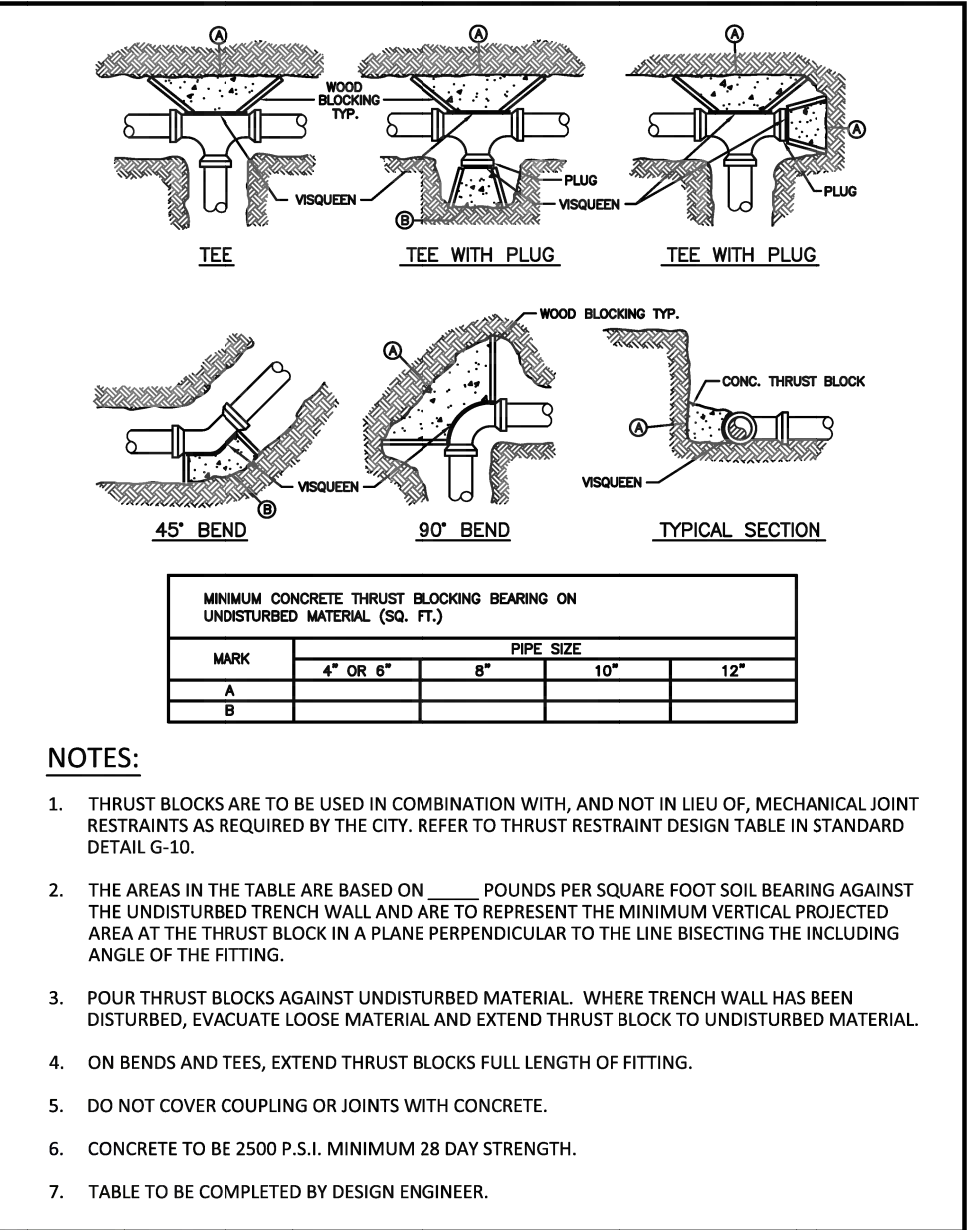
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APPROVED: XXX  
RESILIENT SEATED GATE VALVE SPECIFICATIONS  
DRAWING NO. G-07.1



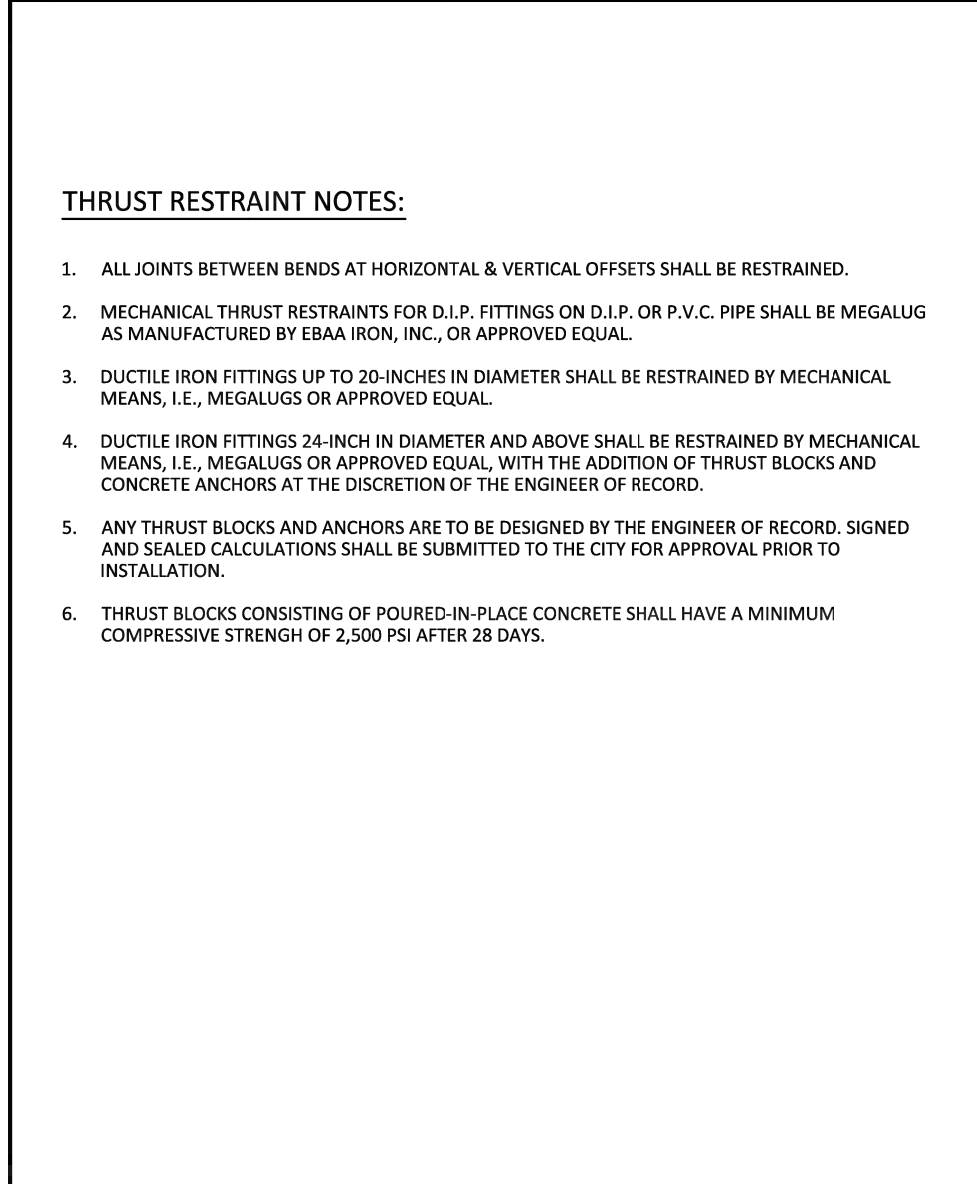
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DRAWN: EAM  
APPROVED: XXX  
TYPICAL BUTTERFLY VALVE SETTING  
DRAWING NO. G-08



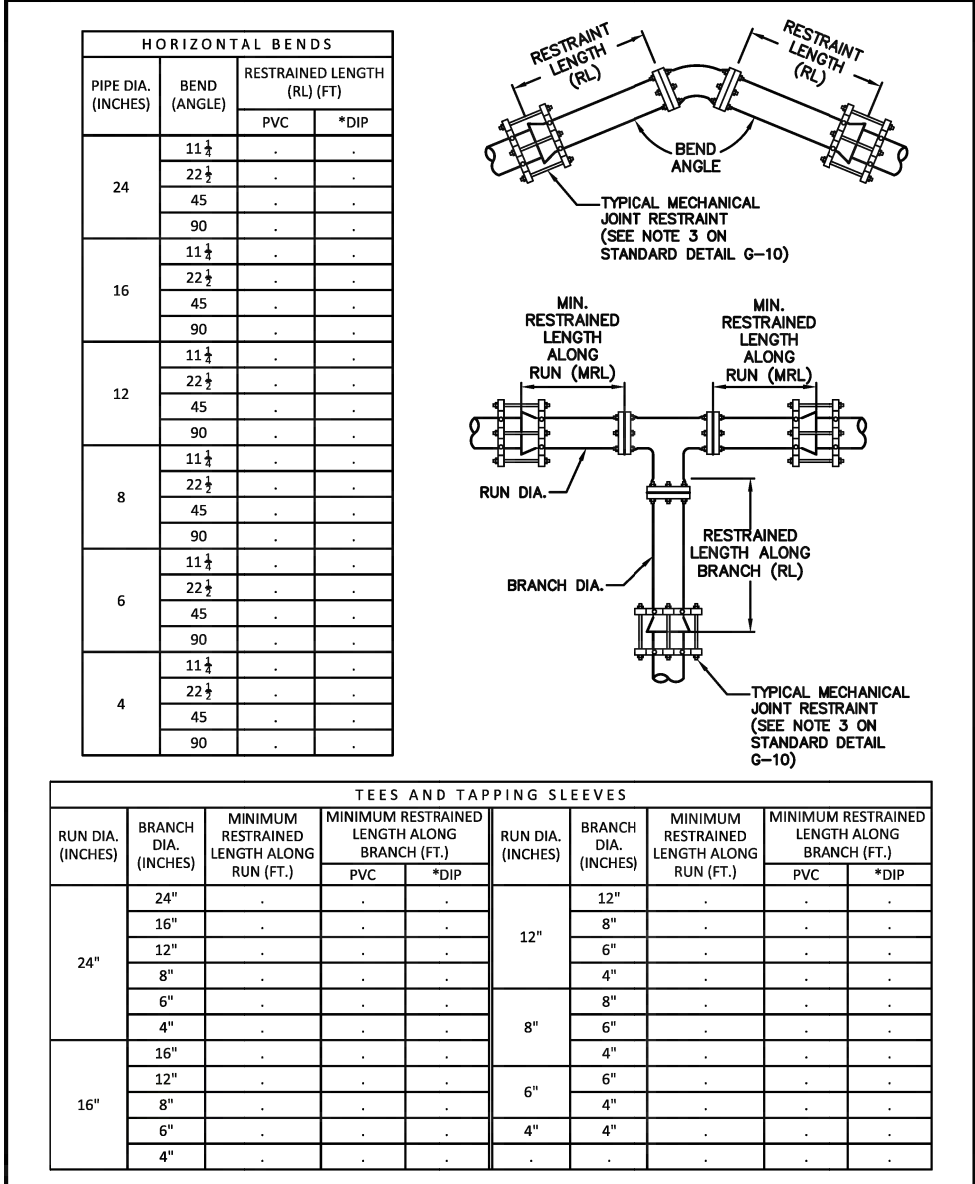
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DRAWN: EAM  
APPROVED: XXX  
TERMINAL BLOW-OFF DETAIL  
DRAWING NO. G-09



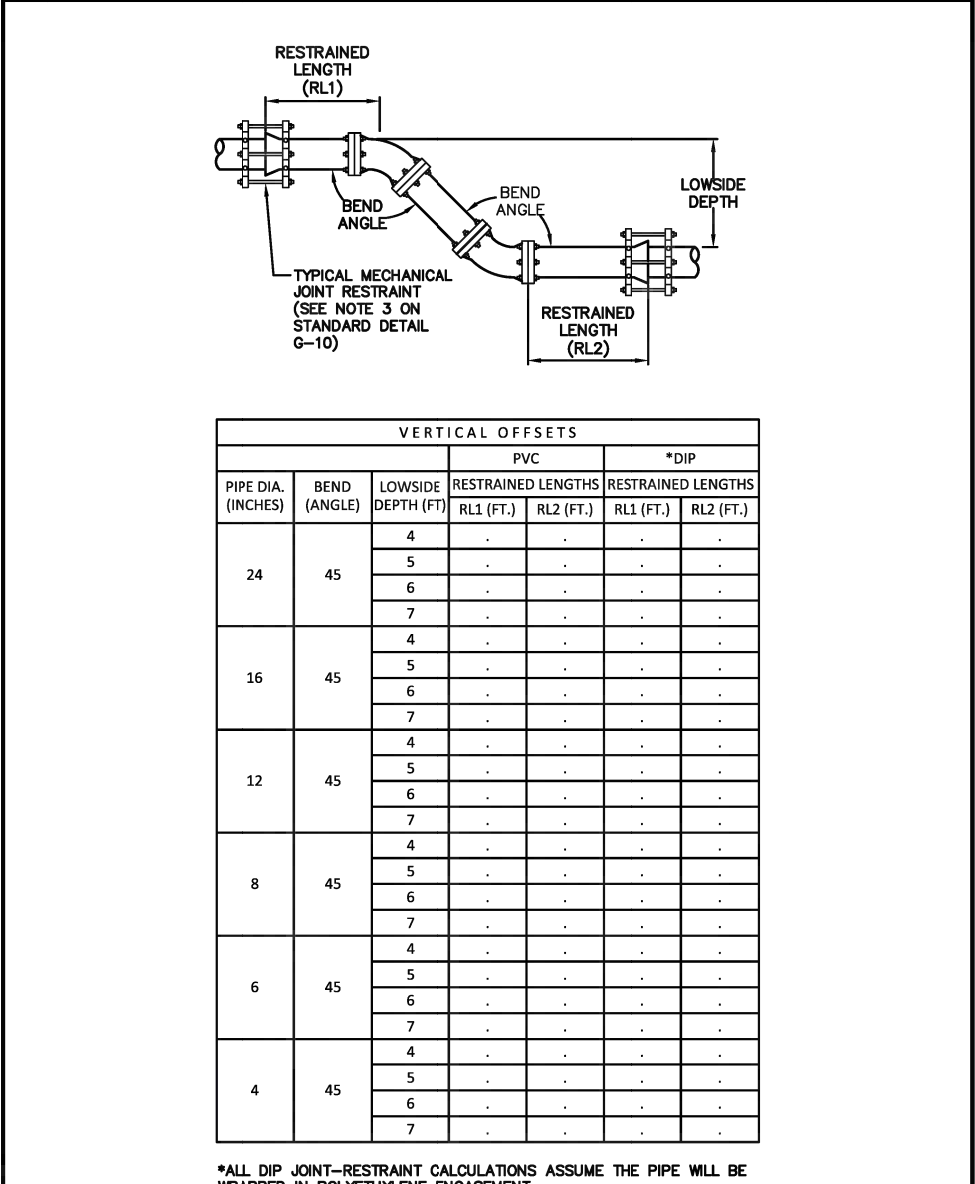
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DRAWN: EAM  
APPROVED: XXX  
THRUST BLOCK DESIGN  
DRAWING NO. G-10



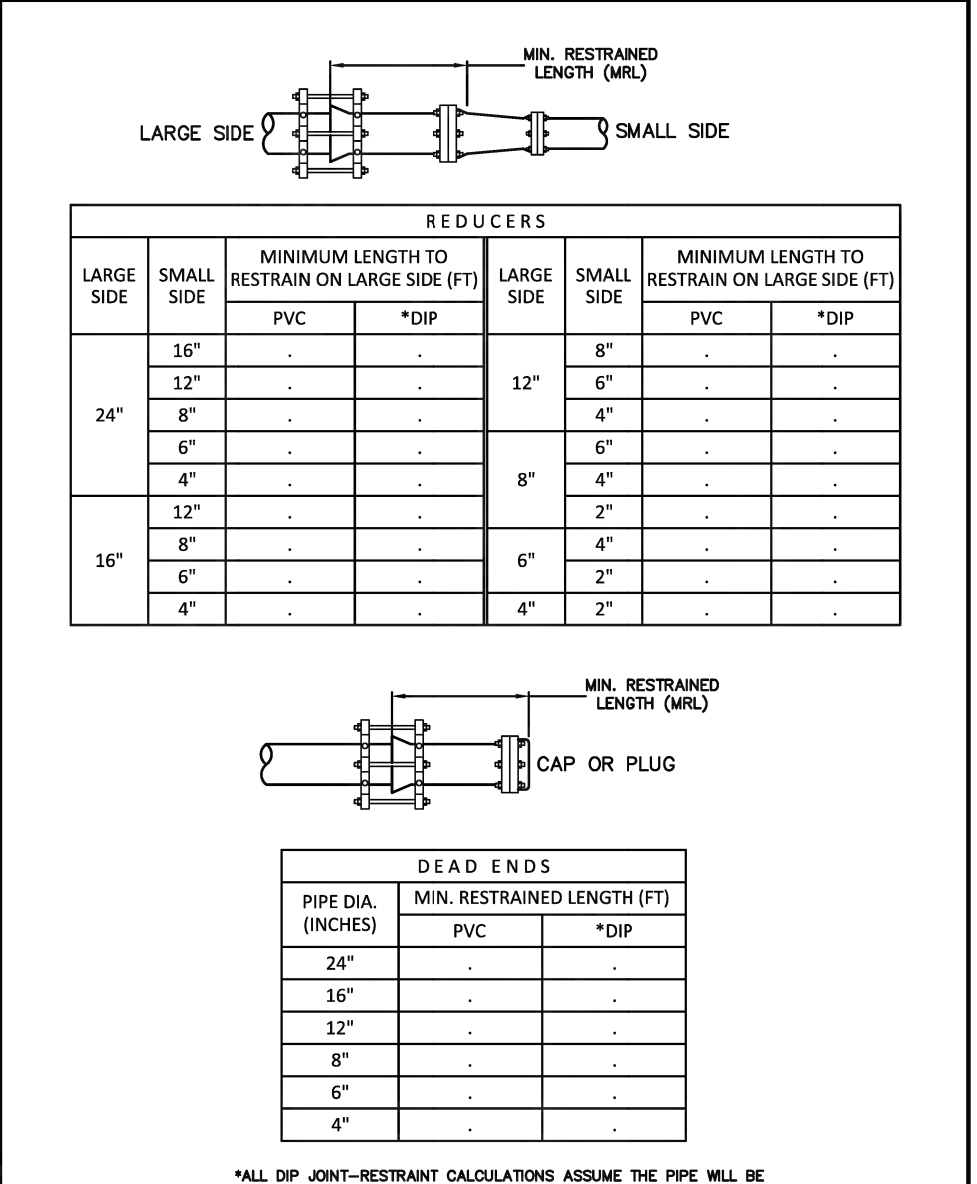
ISSUED: 03/01/99A DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM  
APPROVED: XXX  
JOINT RESTRAINT DESIGN FOR PVC AND DIP  
DRAWING NO. G-11



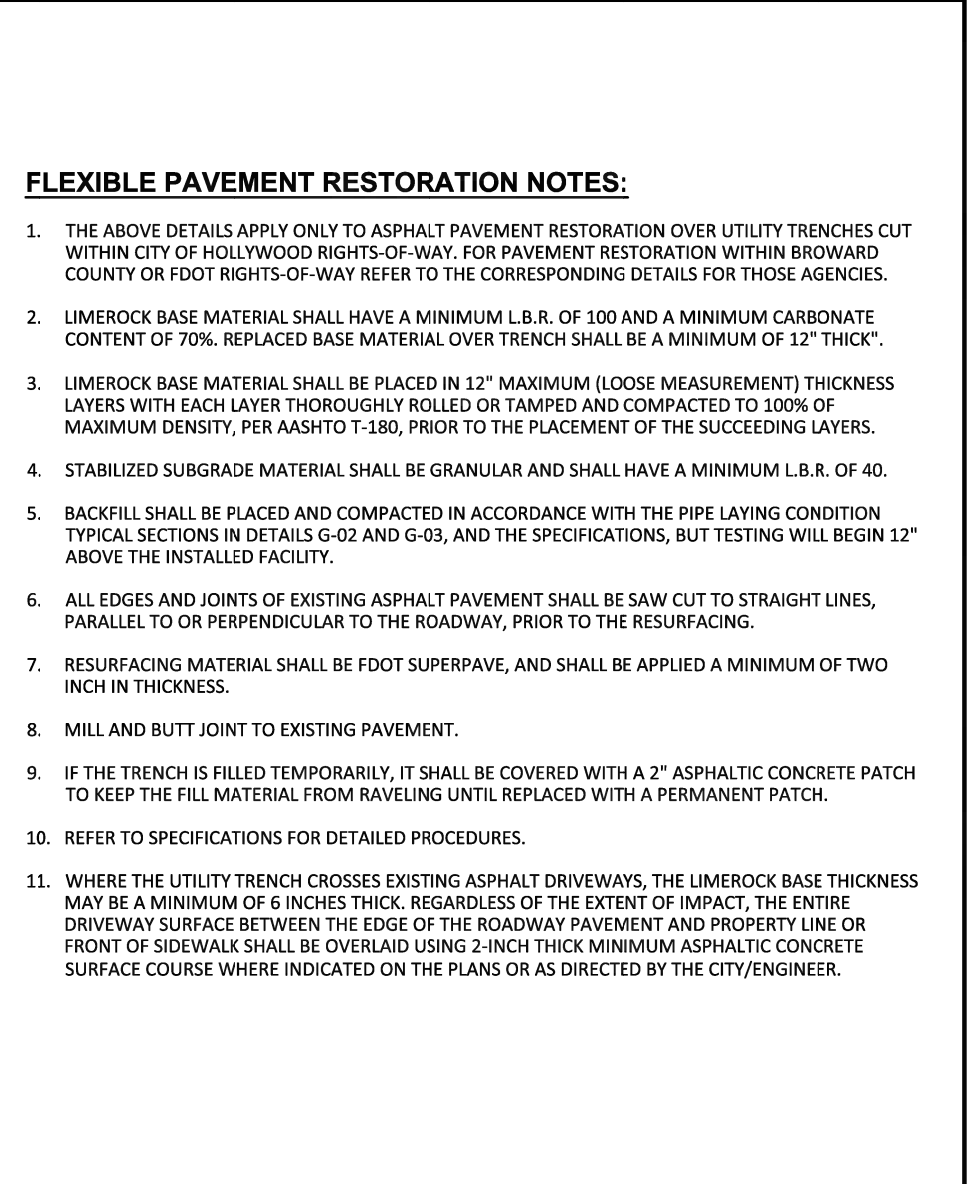
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APPROVED: XXX  
JOINT RESTRAINT DESIGN FOR PVC AND DIP HORIZONTAL BENDS AND TEES  
DRAWING NO. G-11.1



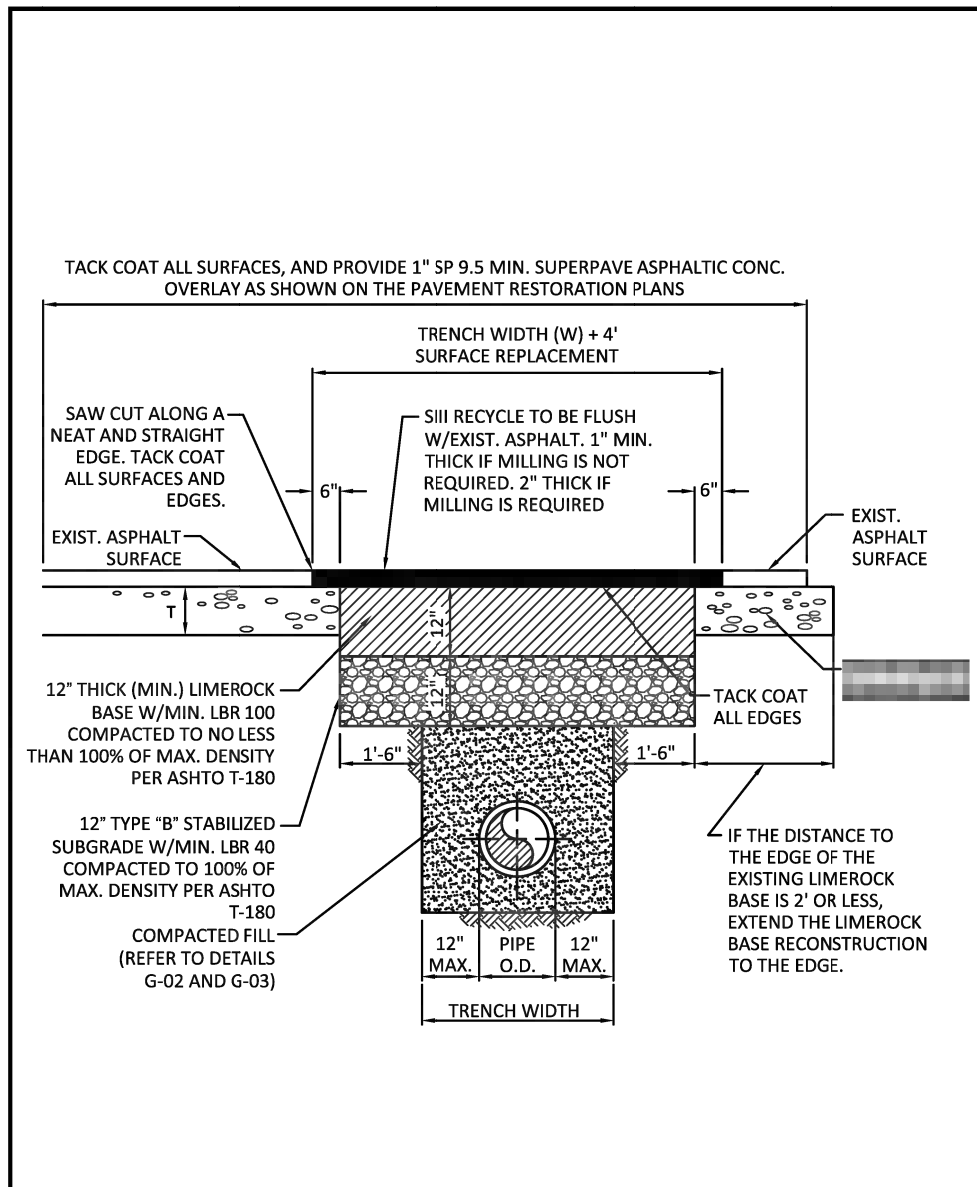
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DRAWN: EAM  
APPROVED: XXX  
JOINT RESTRAINT DESIGN FOR PVC AND DIP VERTICAL OFFSETS  
DRAWING NO. G-11.2



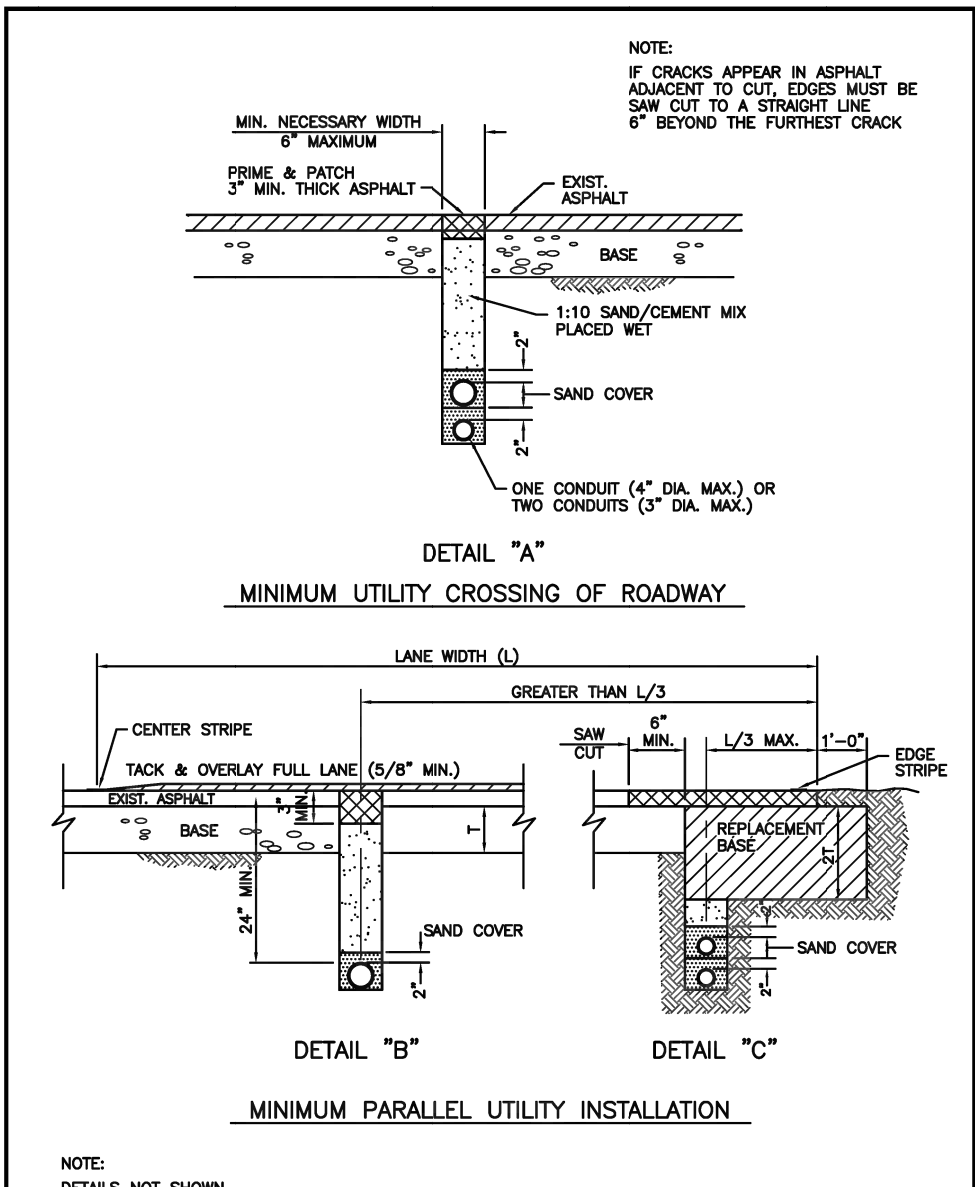
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DRAWN: EAM  
APPROVED: XXX  
JOINT RESTRAINT DESIGN FOR REDUCERS AND DEAD ENDS  
DRAWING NO. G-11.3



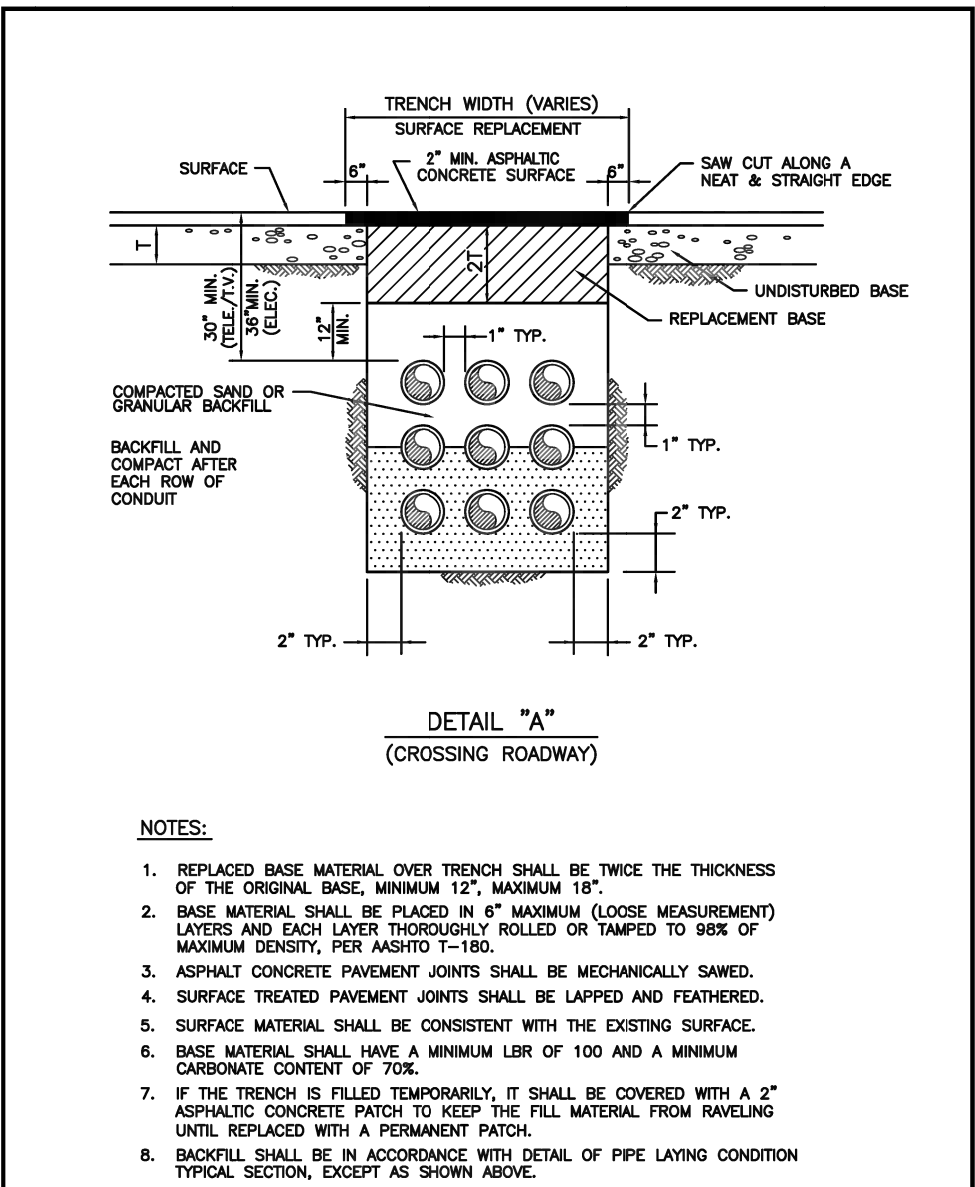
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DRAWN: EAM  
APPROVED: XXX  
FLEXIBLE PAVEMENT RESTORATION NOTES  
DRAWING NO. G-12



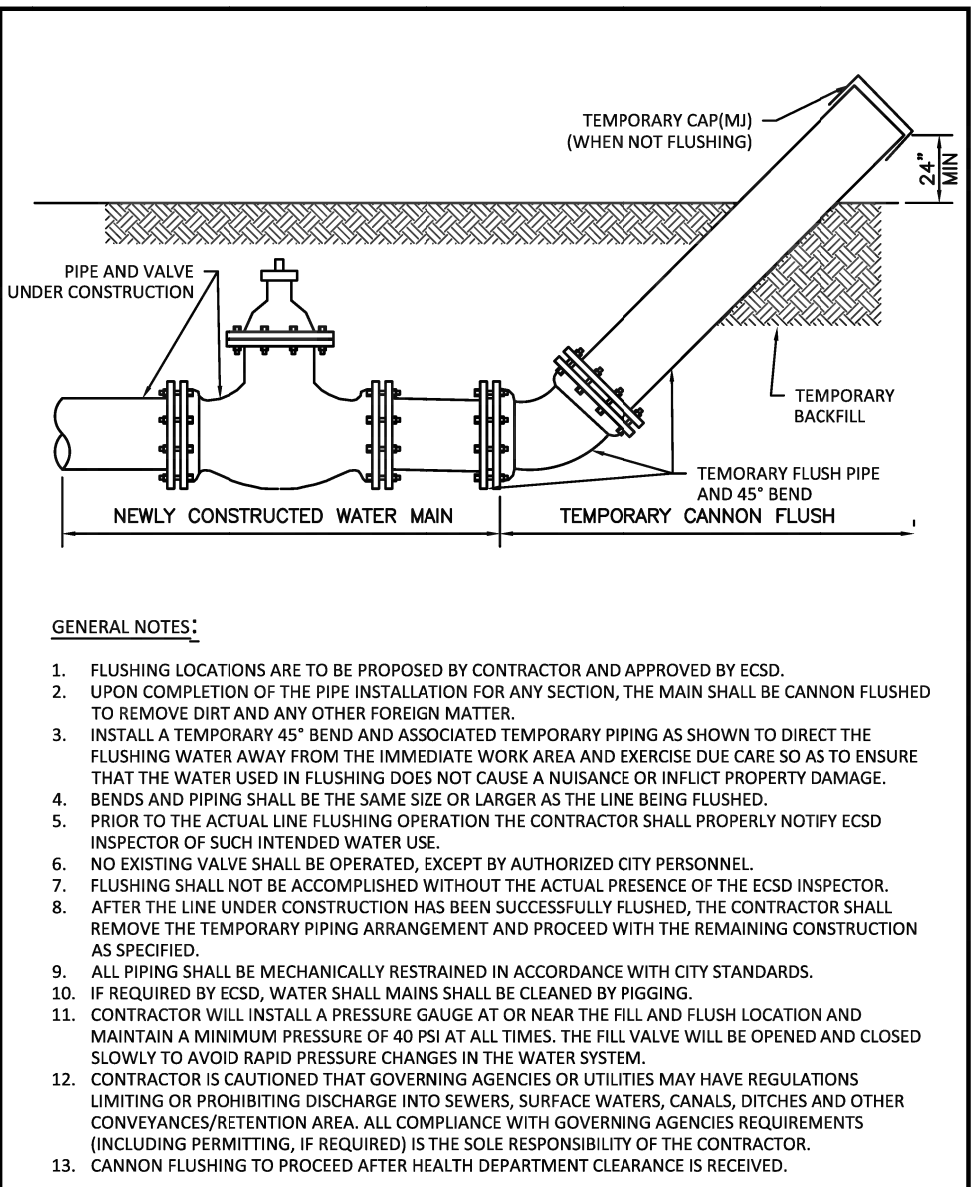
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DRAWN: EAM  
APPROVED: XXX  
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DRAWING NO. G-12.1



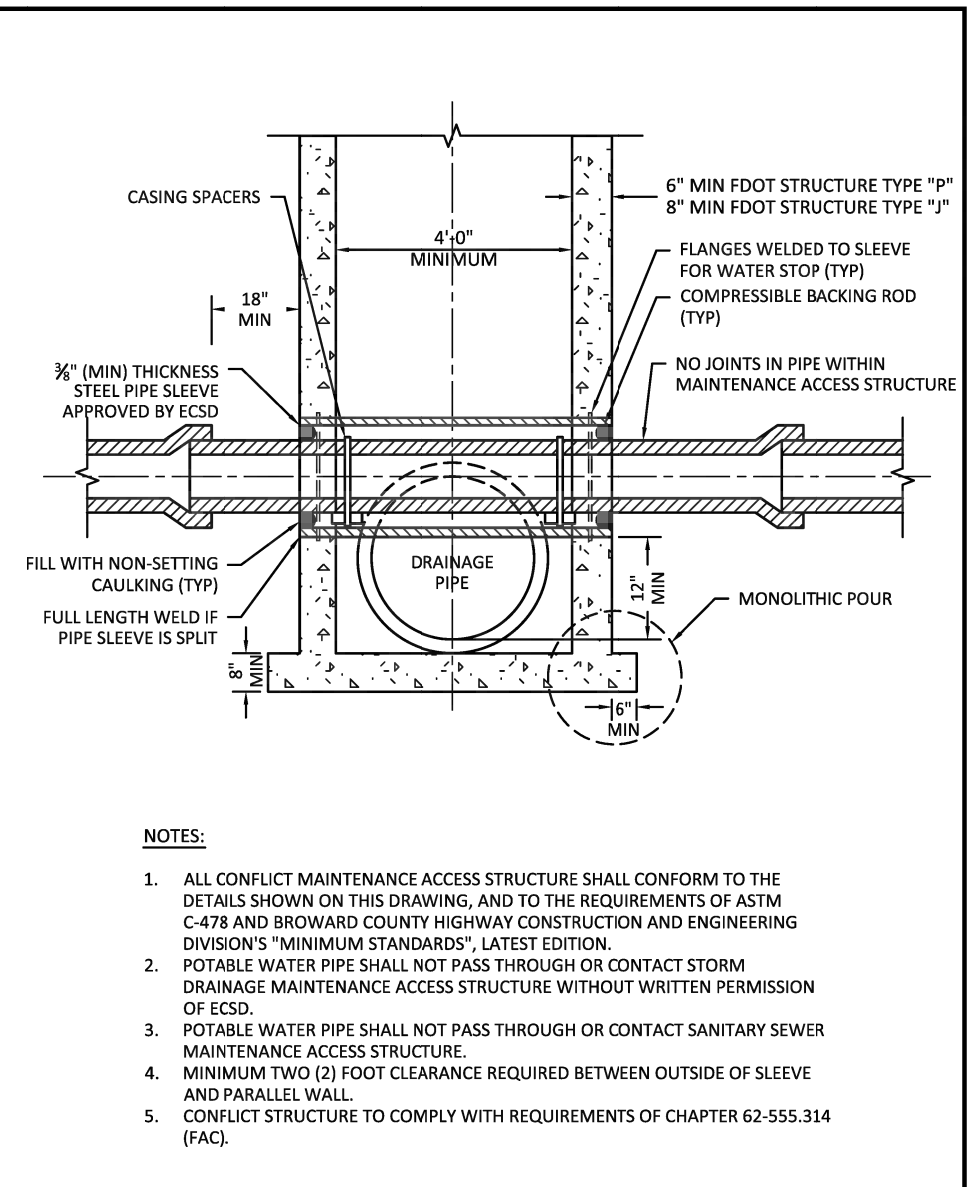
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DRAWN: EAM  
APPROVED: XXX  
FLEXIBLE PAVEMENT RESTORATION FOR CONDUIT  
DRAWING NO. G-12.2



ISSUED: 03/01/99A DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM  
APPROVED: XXX  
FLEXIBLE PAVEMENT RESTORATION FOR DUCTBANKS  
DRAWING NO. G-12.3



ISSUED: 03/01/99A DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM  
APPROVED: XXX  
CANNON FLUSHING  
DRAWING NO. G-13



ISSUED: 03/01/99A DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
DRAWN: EAM  
APPROVED: XXX  
CONFLICT MAINTENANCE ACCESS STRUCTURE  
DRAWING NO. G-14

BTE REF DATE: 6-8-2020

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STEPHEN F. BOTEK  
No. 55335  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
June 8, 2026

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WATER AND SANITARY SEWER DETAILS

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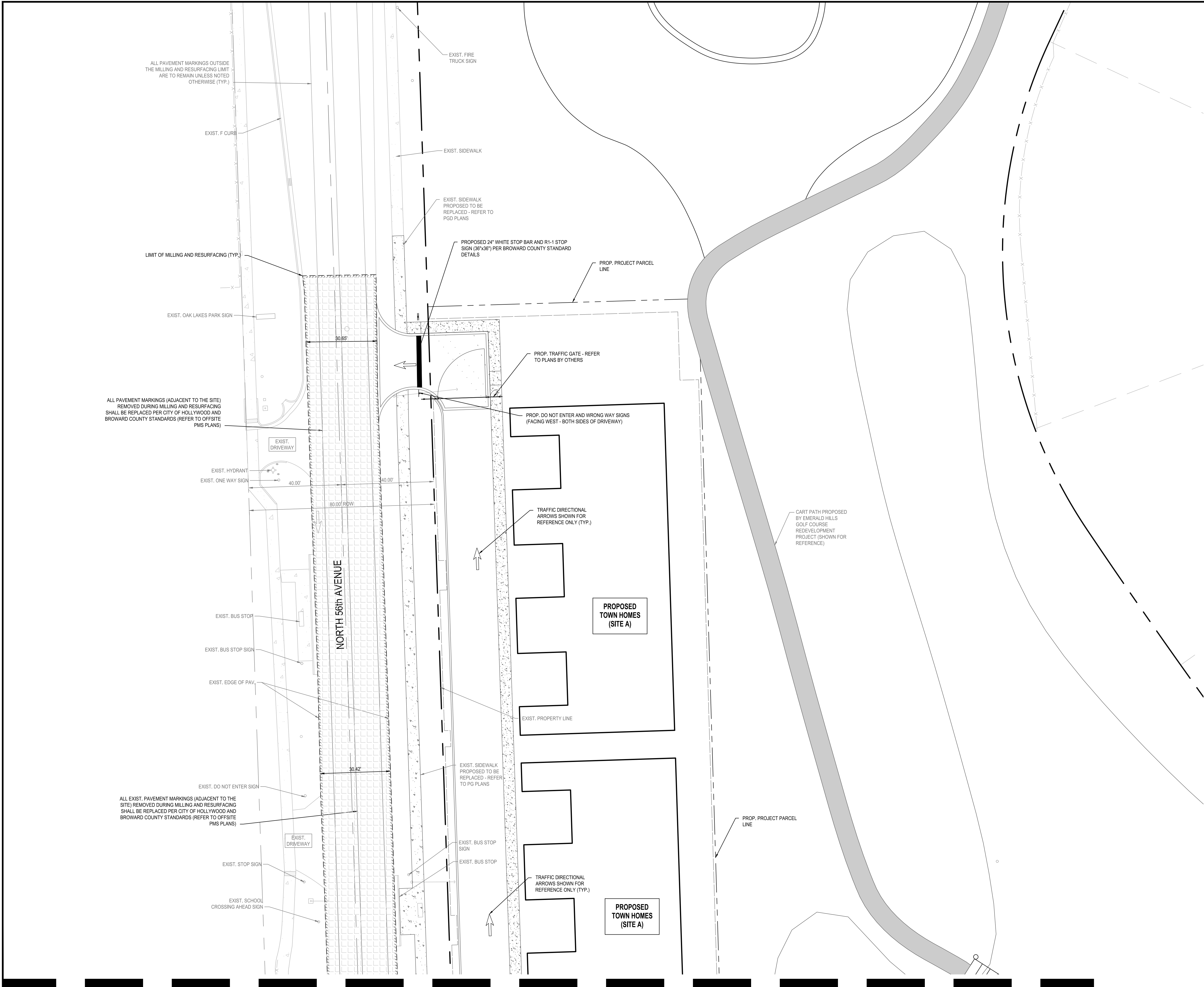
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BTE PROJECT #  
22-0401

PROJECT DATE:  
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SHEET #:  
CA-WS-7





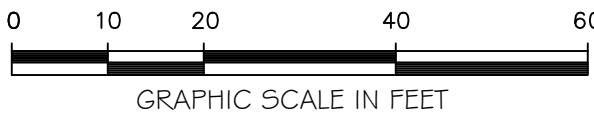
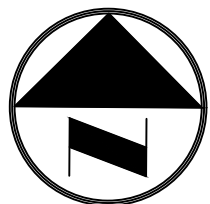
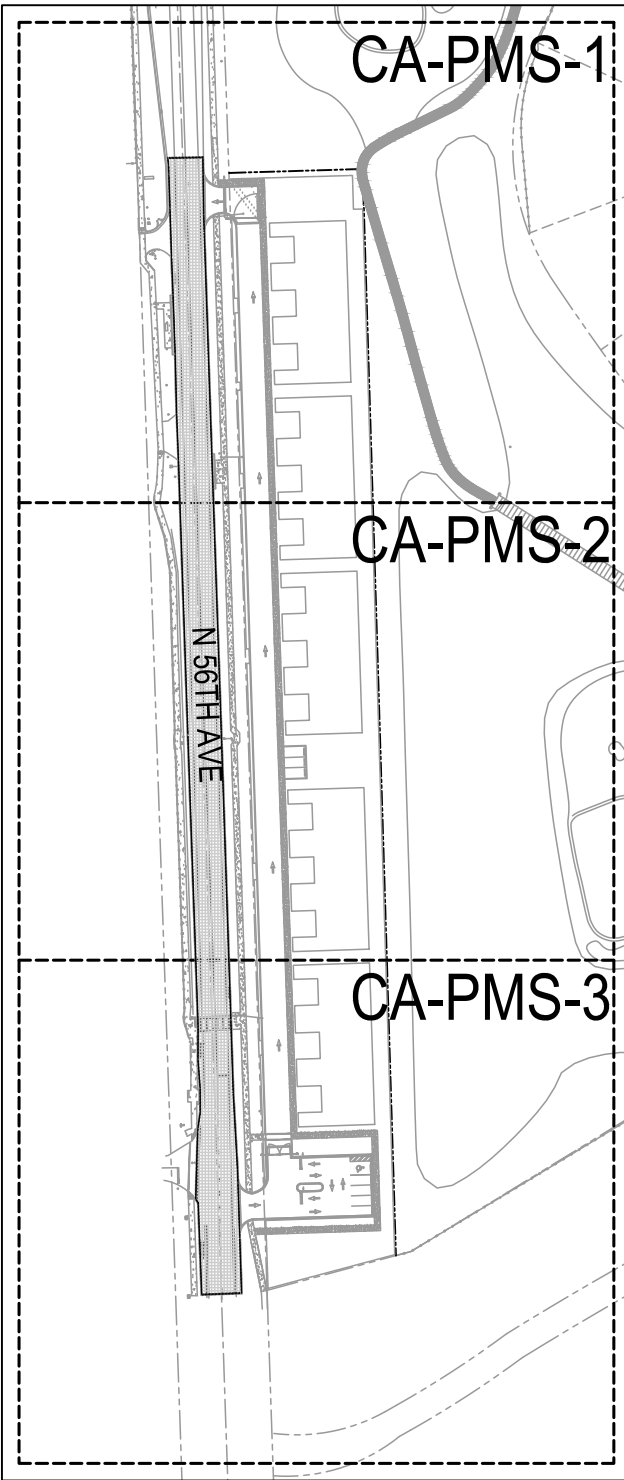
PAVEMENT MARKING & SIGNAGE NOTES:

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 MILLCANDELAS FOR WHITE AND 175 FOR YELLOW PER BCTED MOST CURRENT STANDARDS.
4. ALL PAVEMENT MARKINGS ON PAVEMENT SYSTEMS SHALL BE 3M 380381 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 PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVEMENT 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, BLINKER 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 BIKE LANES, 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 PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVEMENT 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, BLINKER 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 BIKE LANES, 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.

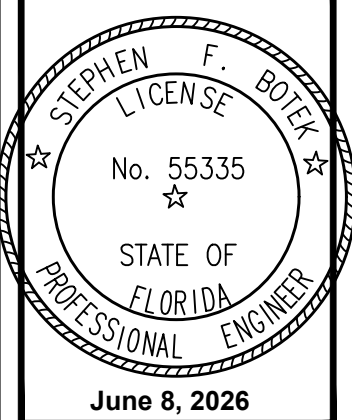
KEY MAP (SITE A)



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



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|------------------------|------|-----------|--|
| BTE REF DATE: 6-8-2026 |      |           |  |
| #                      | DATE | REVISIONS |  |
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PAVEMENT MARKING AND SIGNAGE PLAN

EMERALD HILLS  
Site A - North 56th 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 #:  
CA-PMS-1

MATCHLINE - SEE SHEET CA-PMS-2



MATCHLINE - SEE SHEET CA-PMS-1

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)

LIMIT OF MILLING AND RESURFACING (TYP.)

EXIST. SCHOOL  
ZONE SIGN

EXIST. POWER  
POLE

EXIST. WOOD  
POWER POLE

EXIST. END  
SCHOOL ZONE  
SIGN

EXIST. SIDEWALK

EXIST. EDGE OF PAV.

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)

NORTH 56th AVENUE

PROPOSED  
TOWN HOMES  
(SITE A)

TRAFFIC DIRECTIONAL  
ARROWS SHOWN FOR  
REFERENCE ONLY (TYP.)

PROPOSED  
TOWN HOMES  
(SITE A)

EXIST. SIDEWALK  
PROPOSED TO BE  
REPLACED - REFER  
TO PGD PLANS

EXIST. PROPERTY LINE

19.00' (TYP.)

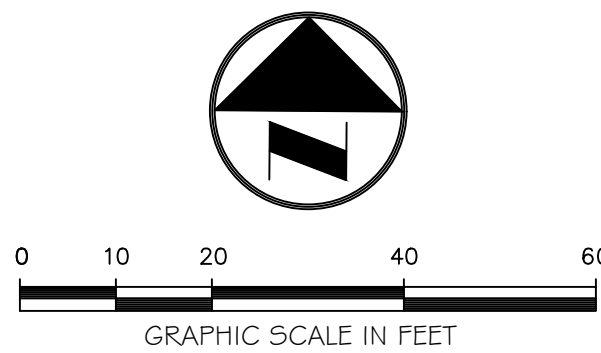
PROPOSED 4" SOLID WHITE (TYP.)

TRAFFIC DIRECTIONAL  
ARROWS SHOWN FOR  
REFERENCE ONLY (TYP.)

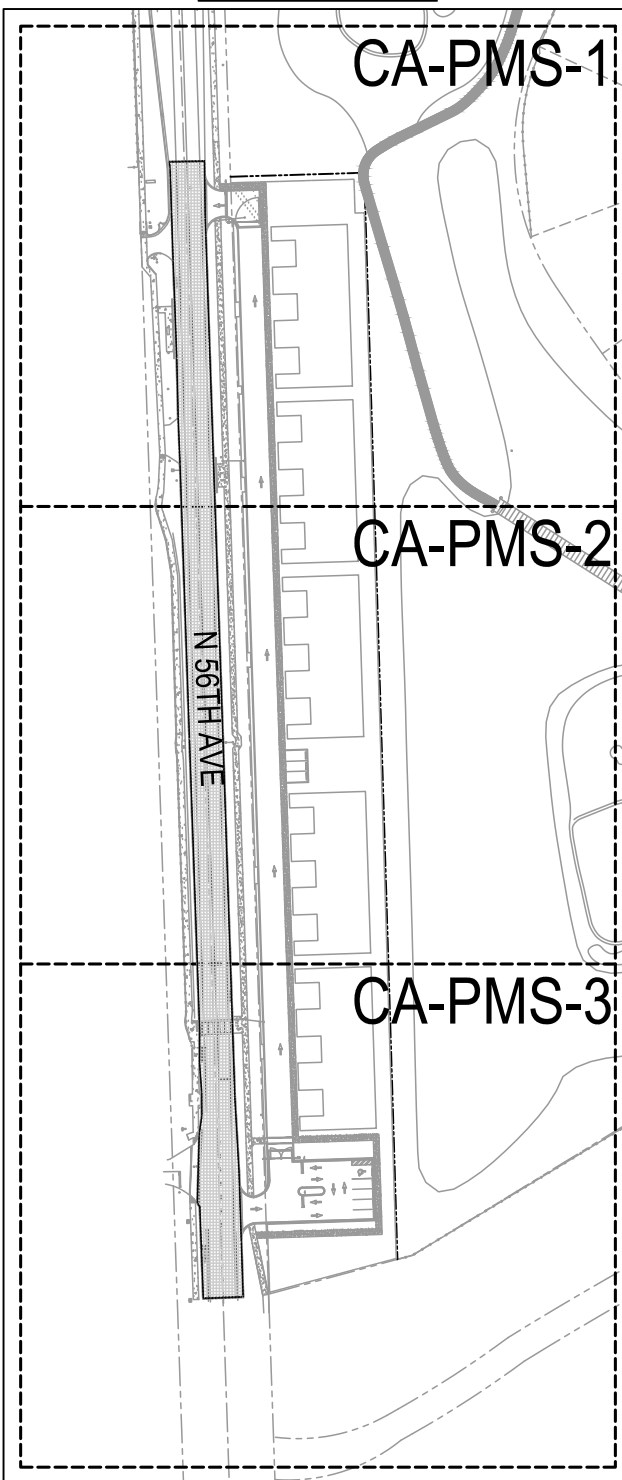
PROPOSED  
TOWN HOMES  
(SITE A)

PROP. PROJECT PARCEL  
LINE

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



KEY MAP (SITE A)



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

**Sunshine811.com**

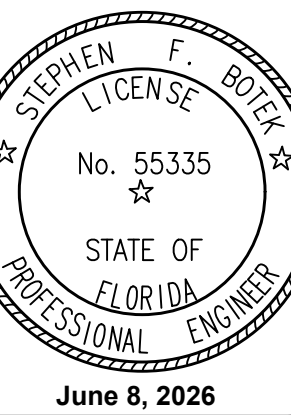
MATCHLINE - SEE SHEET CA-PMS-3

BTE REF DATE: 6-8-2026

REVISIONS

DATE

#



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PAVEMENT MARKING AND SIGNAGE PLAN

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BTE PROJECT #:  
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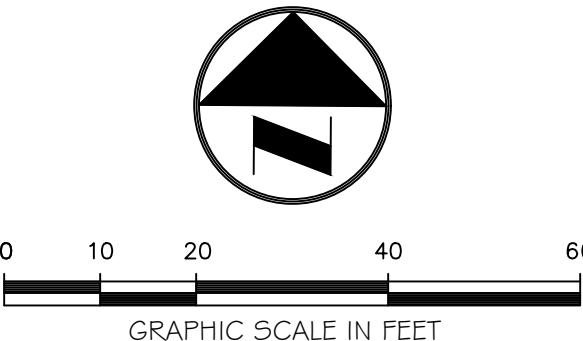
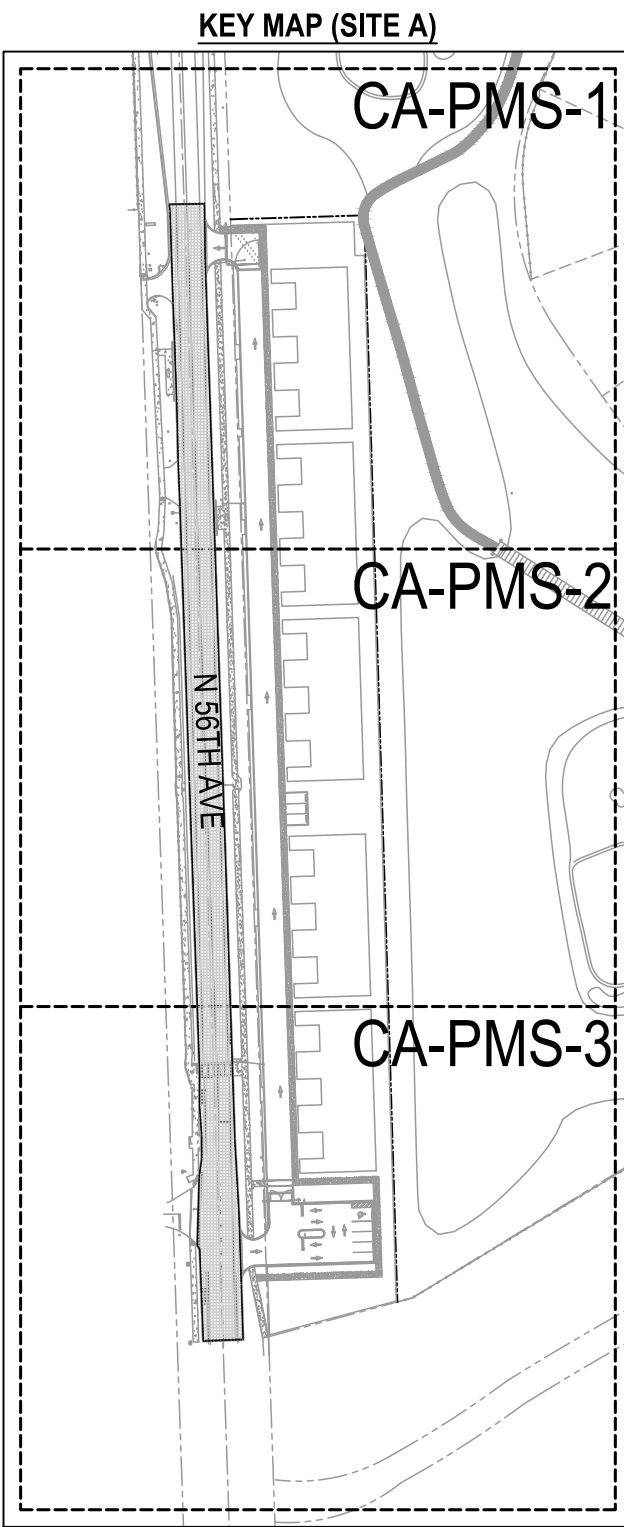
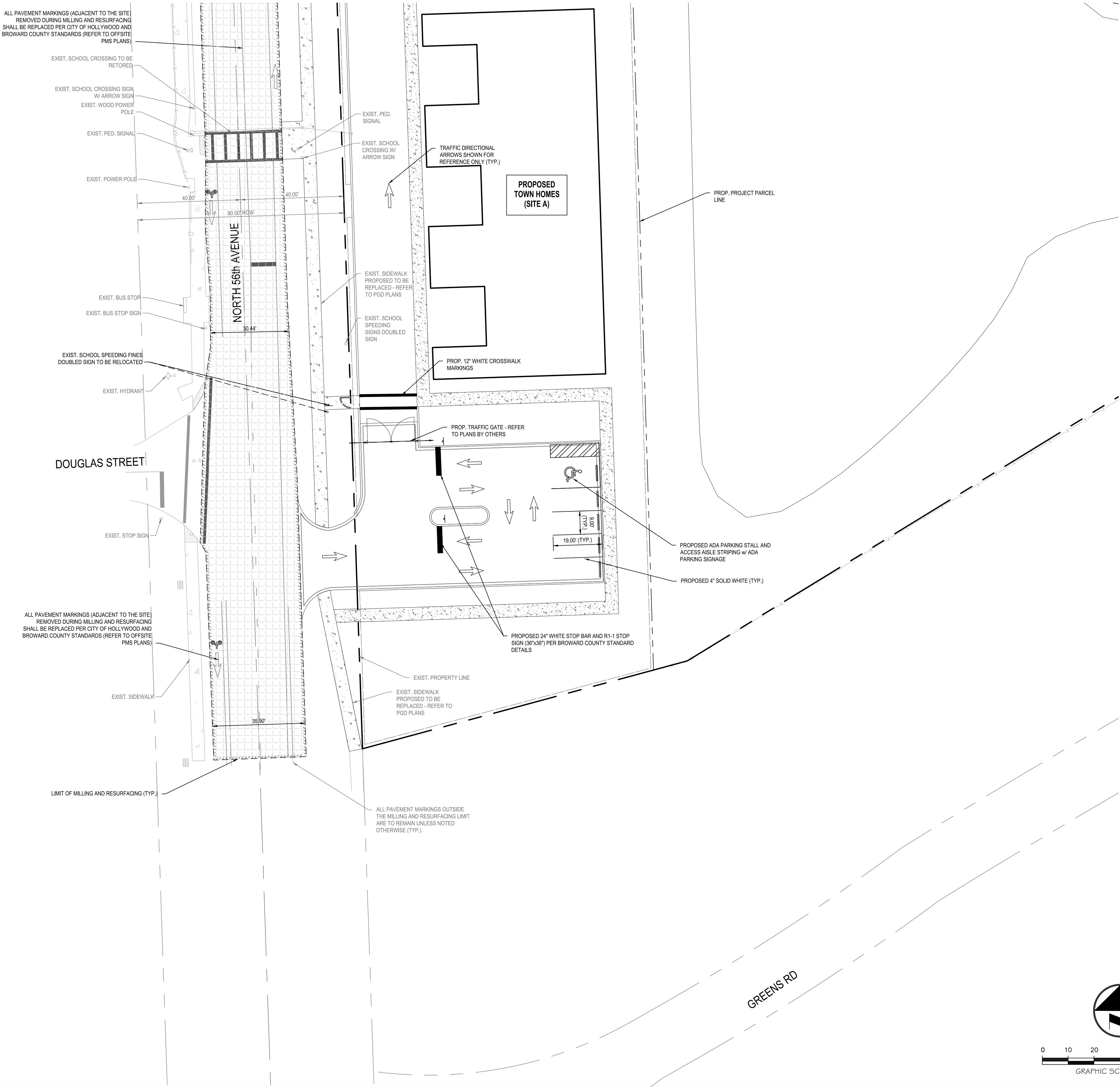
PROJECT DATE:  
6-5-2024

SHEET #:  
CA-PMS-2



MATCHLINE - SEE SHEET CA-PMS-2

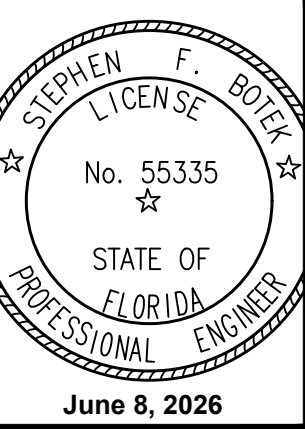
REFER TO SHEET CA-PMS-1 FOR  
PAVEMENT MARKING AND SIGNAGE NOTES



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**Sunshine811.com**

| BTE REF DATE: 6-8-2026 |      |
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PAVEMENT MARKING AND SIGNAGE PLAN

**EMERALD HILLS**

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BTE PROJECT #:

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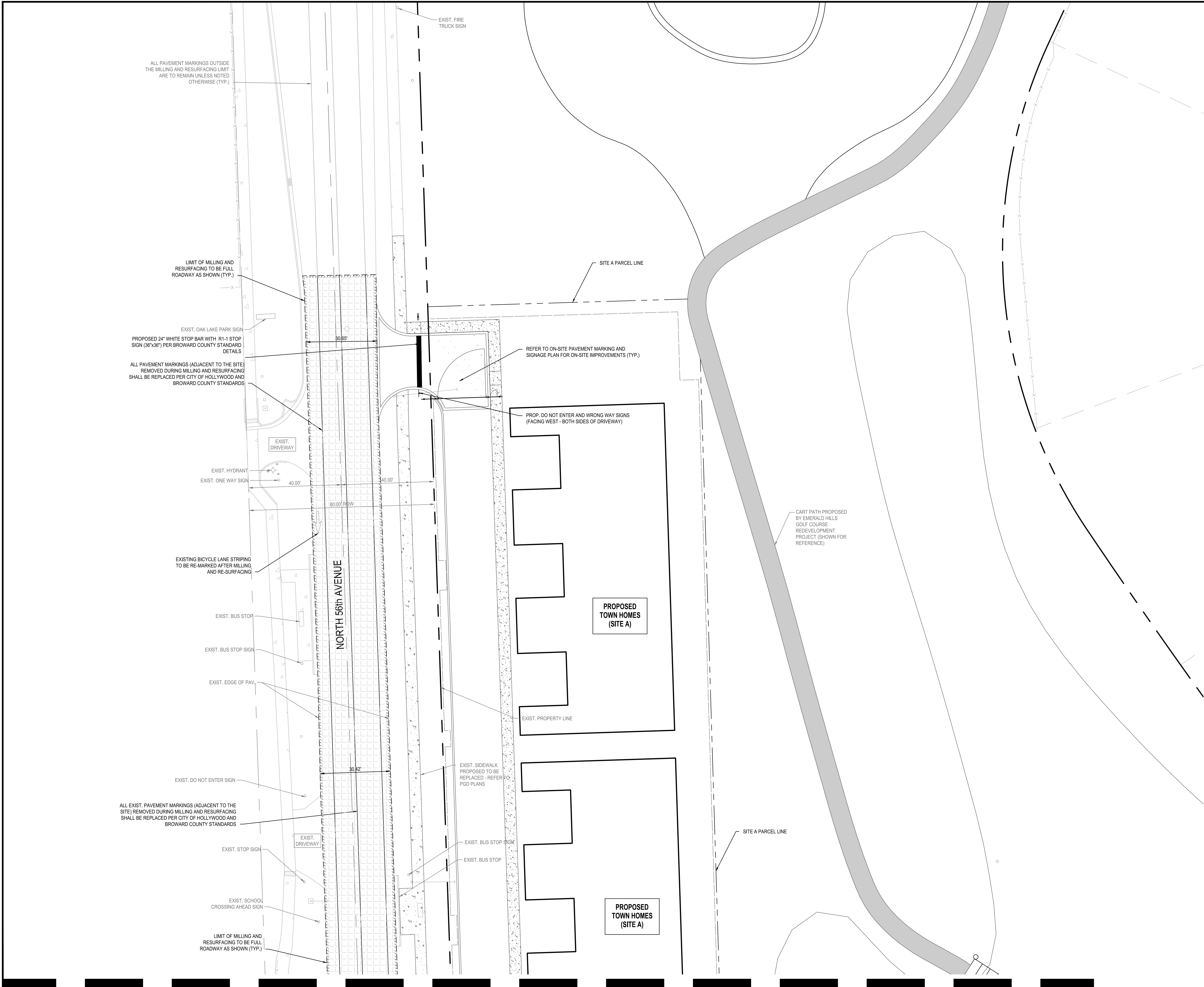
PROJECT DATE:

6-5-2024

SHEET #:

CA-PMS-3





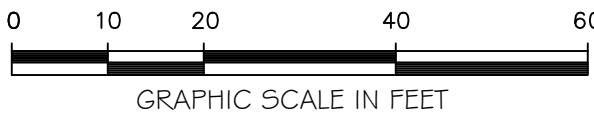
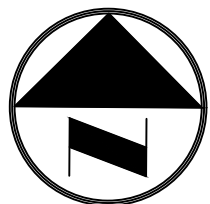
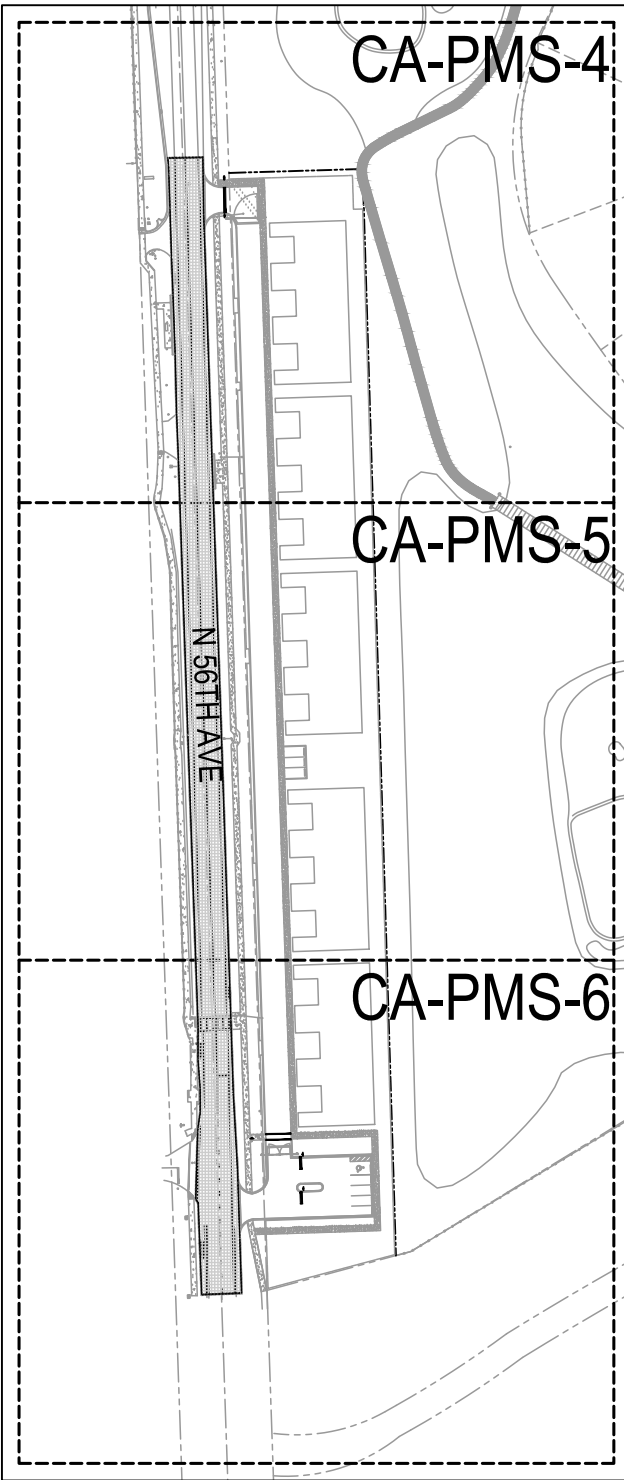
**PAVEMENT MARKING & SIGNAGE NOTES:**

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 MILICANDELAS FOR WHITE AND 175 FOR YELLOW PER BCTD MOST CURRENT STANDARDS.
4. ALL PAVEMENT MARKINGS ON PAVEMENT SYSTEMS SHALL BE 3M 380381 SERIES TAPE AND APPLIED WITH P80 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.

**BCTD NOTE:**

- THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:
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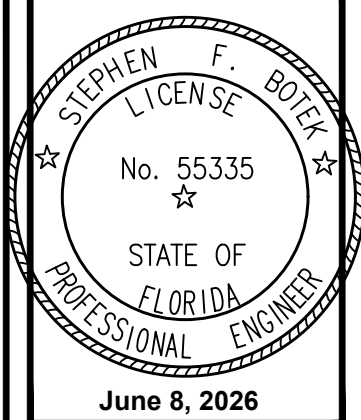
**KEY MAP (SITE A)**



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



|                        |           |
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| BTE REF DATE: 6-8-2026 |           |
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|                        | REVISIONS |



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OFFSITE PAVEMENT MARKING AND SIGNAGE PLAN

**EMERALD HILLS**  
Site A - North 56th 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 #:

CA-PMS-4

MATCHLINE - SEE SHEET CA-PMS-5



MATCHLINE - SEE SHEET CA-PMS-4

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

LIMIT OF MILLING AND  
RESURFACING TO BE FULL  
ROADWAY AS SHOWN (TYP.)

EXIST. SCHOOL  
ZONE SIGN

EXIST. POWER  
POLE

EXIST. WOOD  
POWER POLE

EXIST. END  
SCHOOL ZONE  
SIGN

EXIST. SIDEWALK

EXIST. EDGE OF PAV.

ALL PAVEMENT MARKINGS (ADJACENT TO THE SITE)  
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SHALL BE REPLACED PER CITY OF HOLLYWOOD AND  
BROWARD COUNTY STANDARDS

LIMIT OF MILLING AND  
RESURFACING TO BE FULL  
ROADWAY AS SHOWN (TYP.)

NORTH 56th AVENUE

PROPOSED  
TOWN HOMES  
(SITE A)

PROPOSED  
TOWN HOMES  
(SITE A)

EXIST. SIDEWALK  
PROPOSED TO BE  
REPLACED - REFER TO  
PGD PLANS

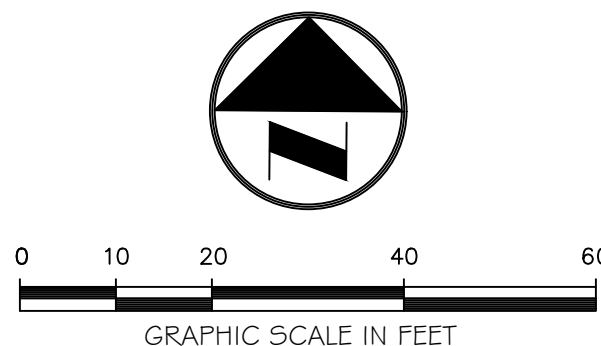
EXIST. PROPERTY LINE

REFER TO ON-SITE PAVEMENT MARKING AND  
SIGNAGE PLAN FOR ON-SITE IMPROVEMENTS (TYP.)

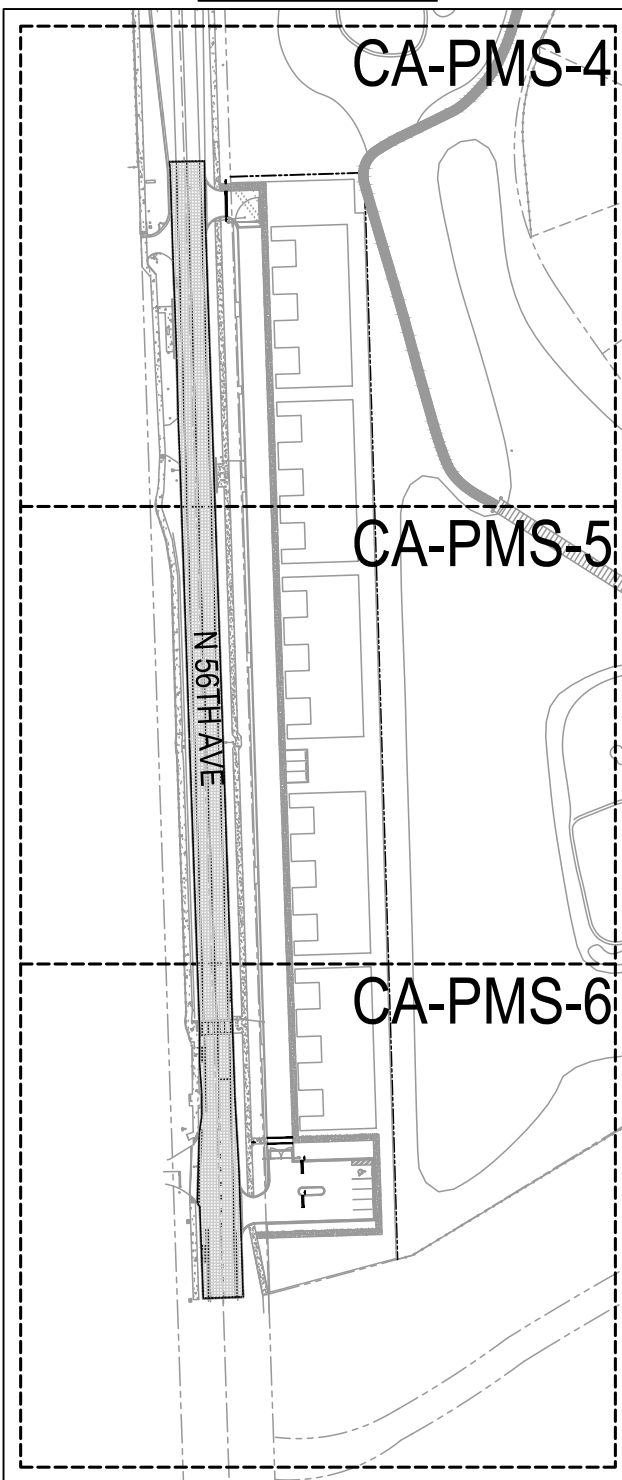
PROPOSED  
TOWN HOMES  
(SITE A)

SITE A PARCEL LINE

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



KEY MAP (SITE A)



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

**Sunshine811.com**

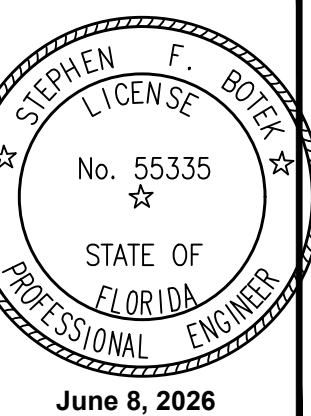
MATCHLINE - SEE SHEET CA-PMS-6

BTE REF DATE: 6-8-2026

REVISIONS

DATE

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OFFSITE PAVEMENT MARKING AND SIGNAGE PLAN

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BTE PROJECT #:  
22-0401

PROJECT DATE:  
6-5-2024

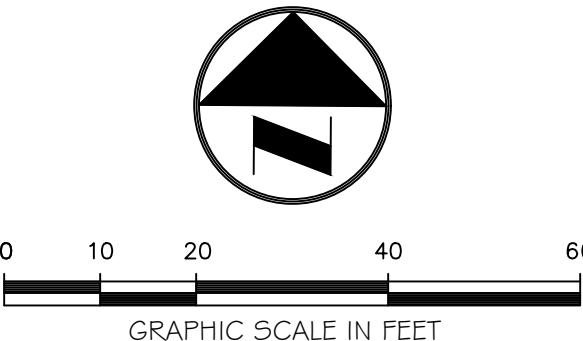
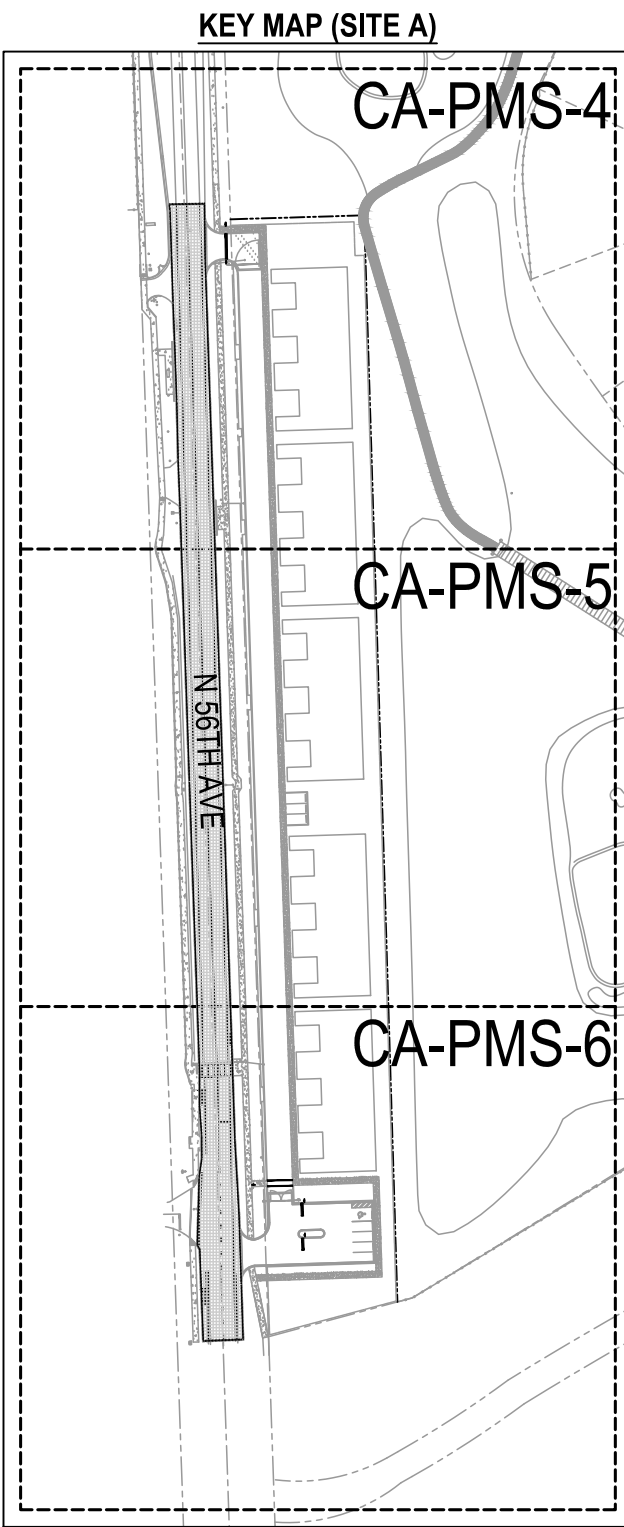
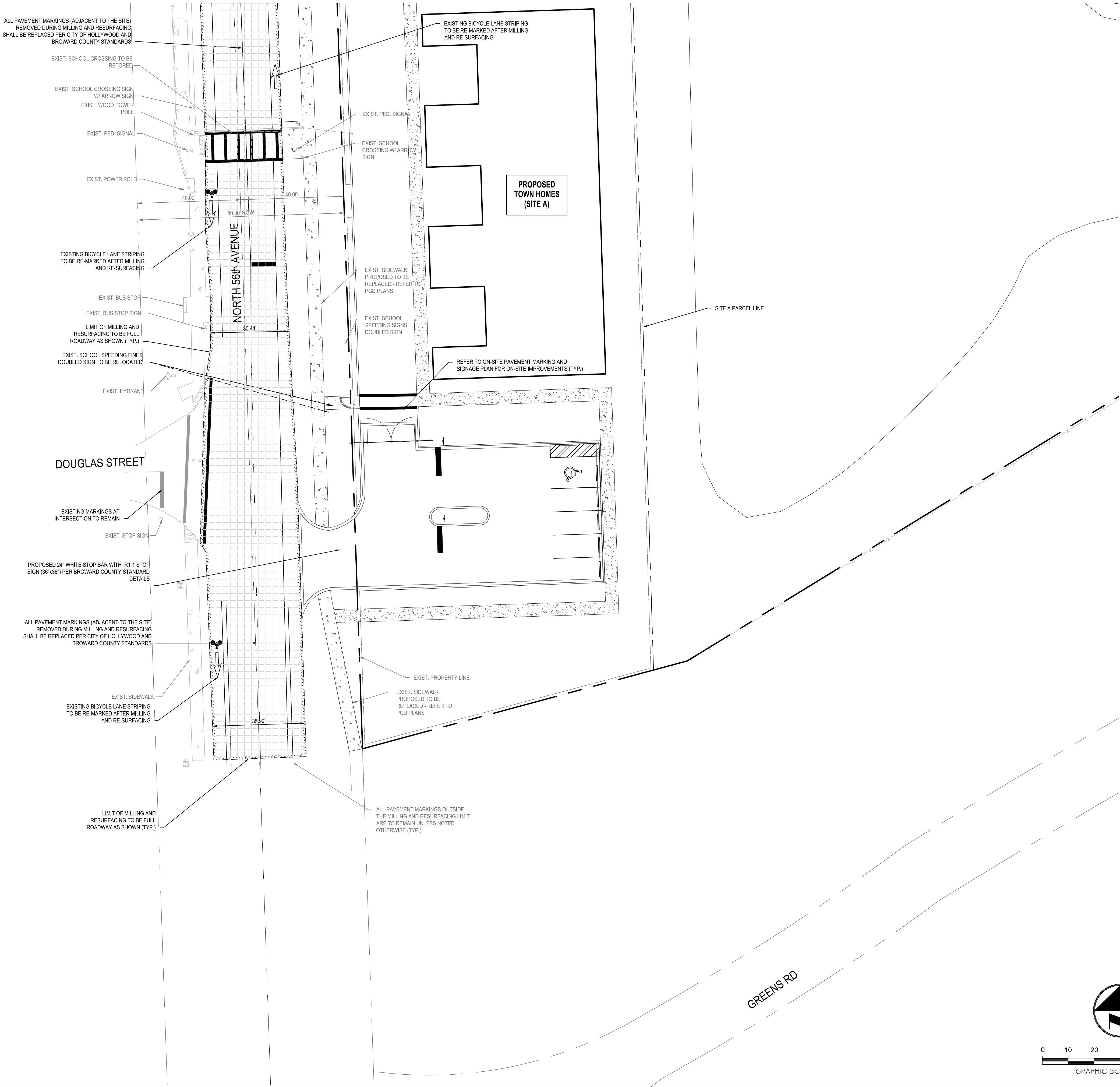
SHEET #:

CA-PMS-5



MATCHLINE - SEE SHEET CA-PMS-5

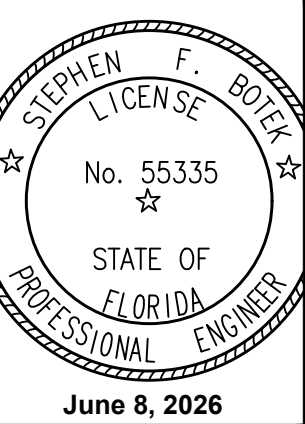
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**Sunshine811.com**

| BTE REF DATE: 6-8-2026 |      |
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Hollywood, Florida

**Botek Thurlow Engineering, Inc.**

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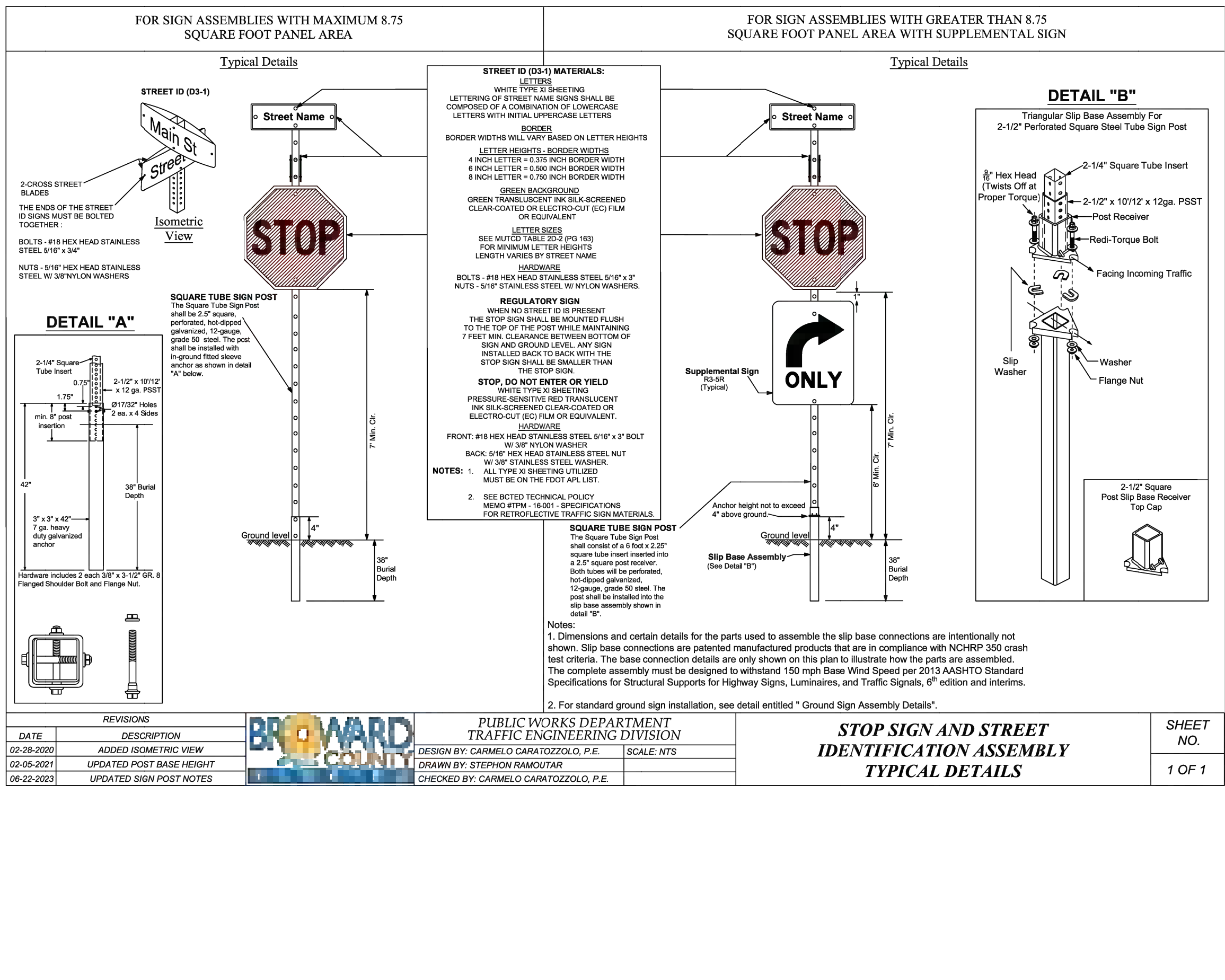
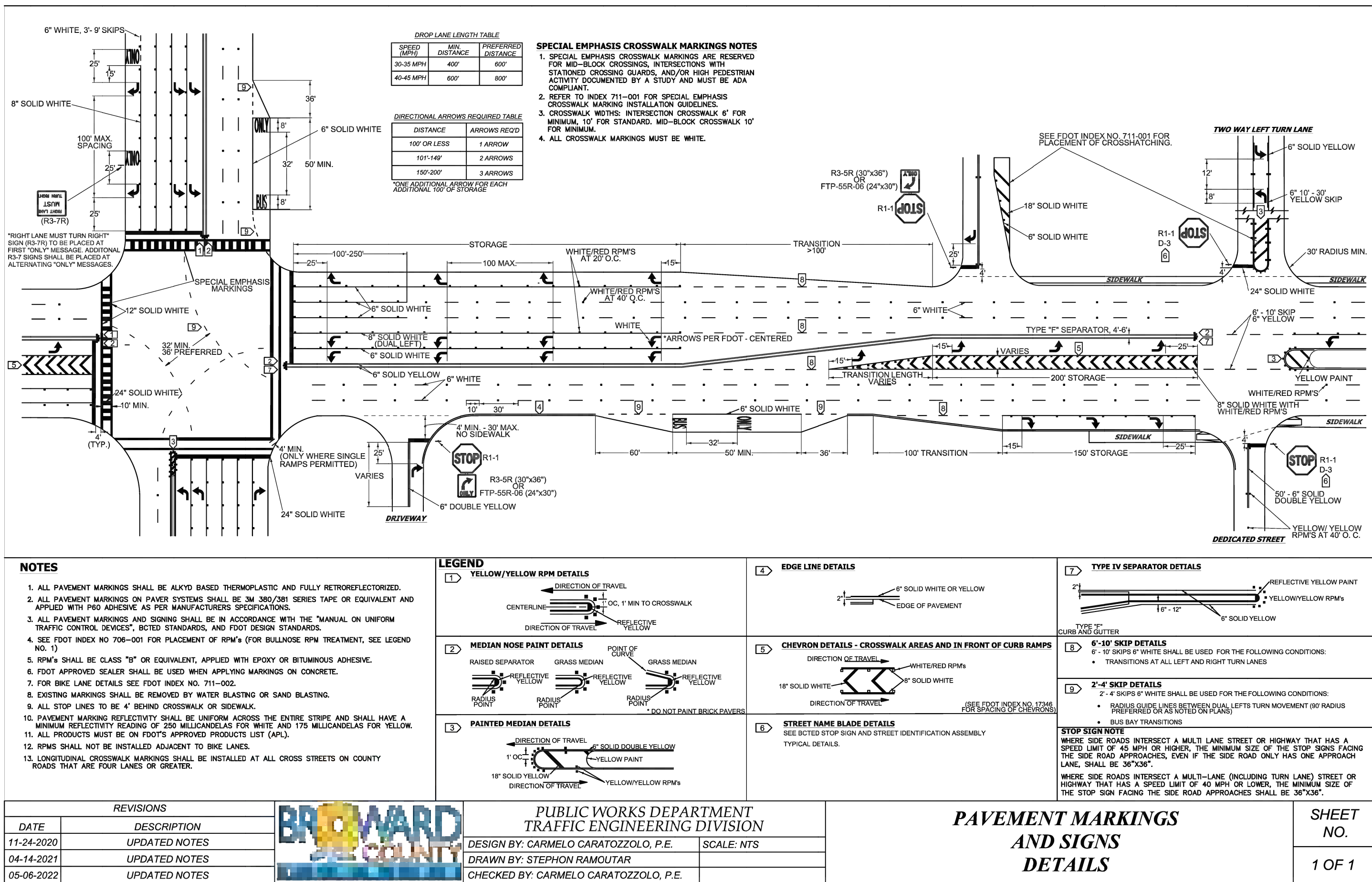
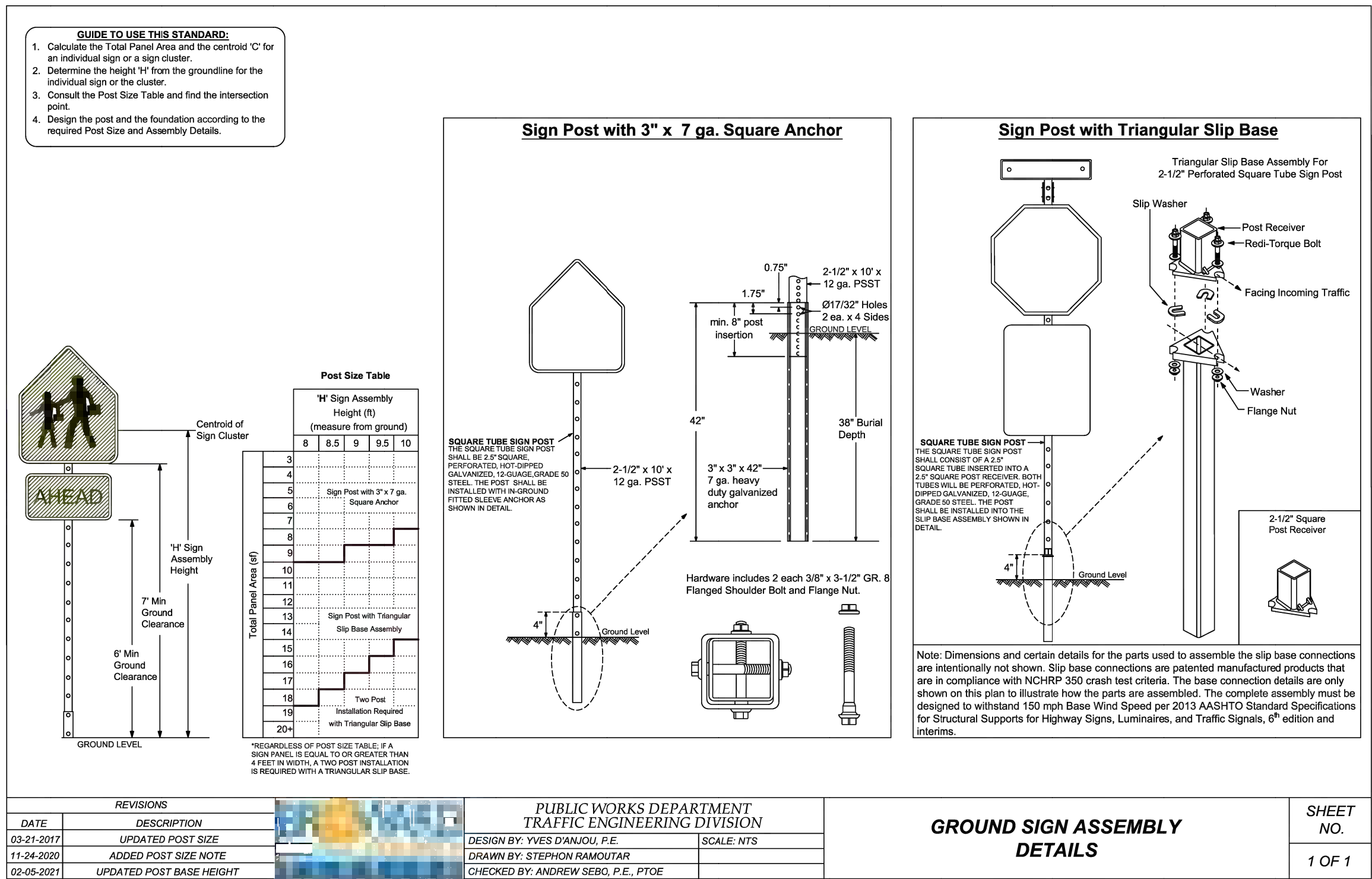
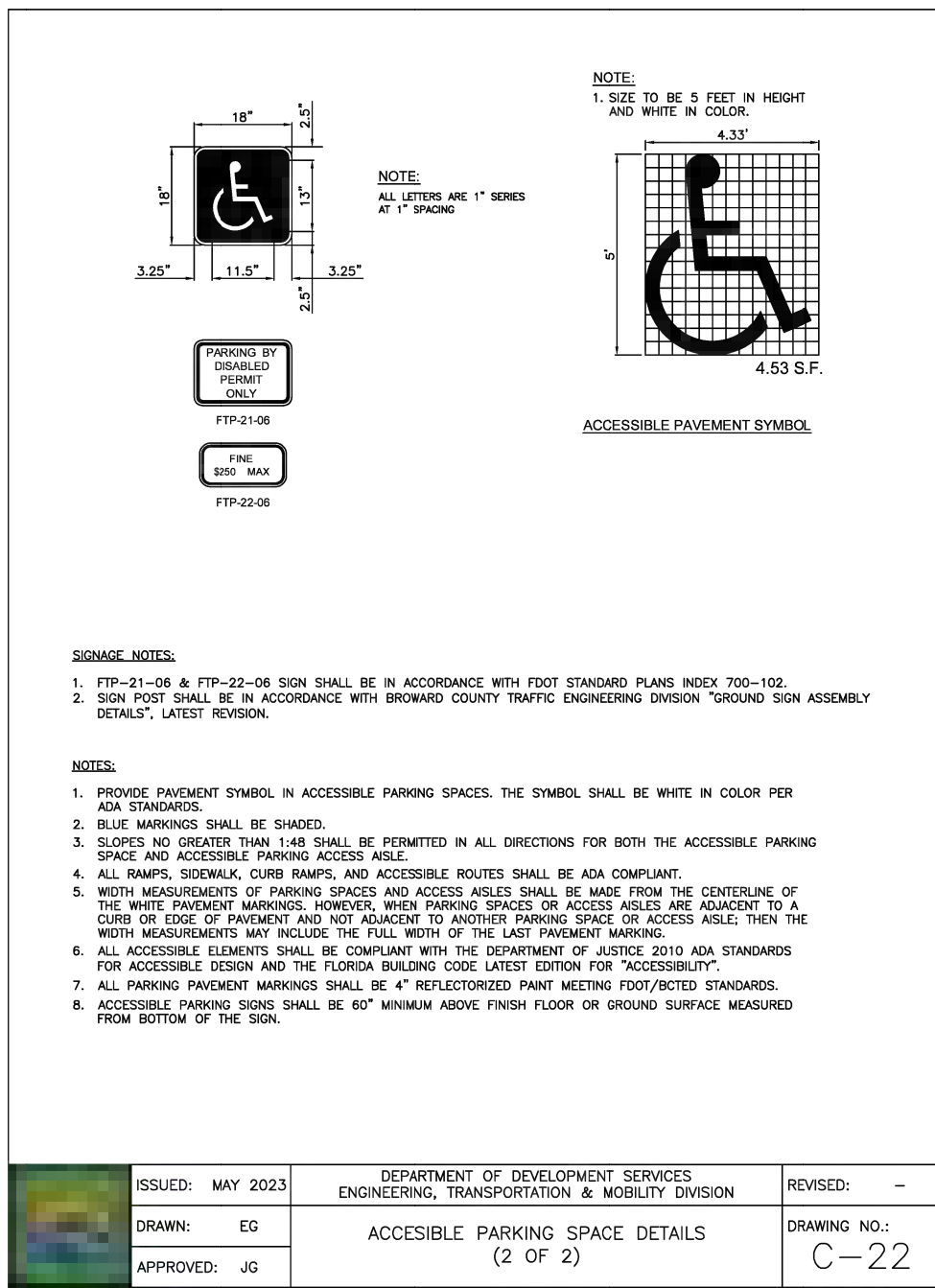
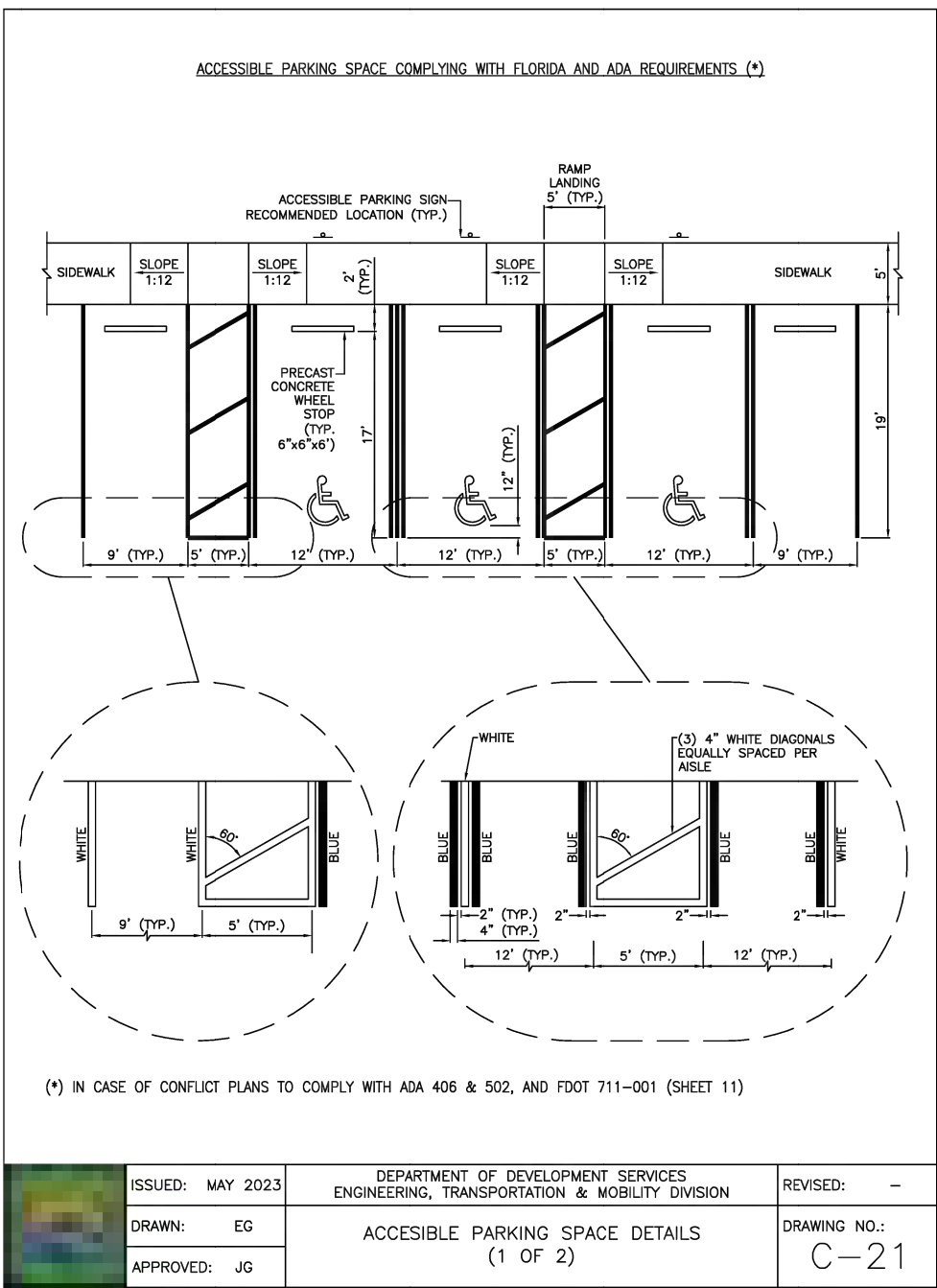
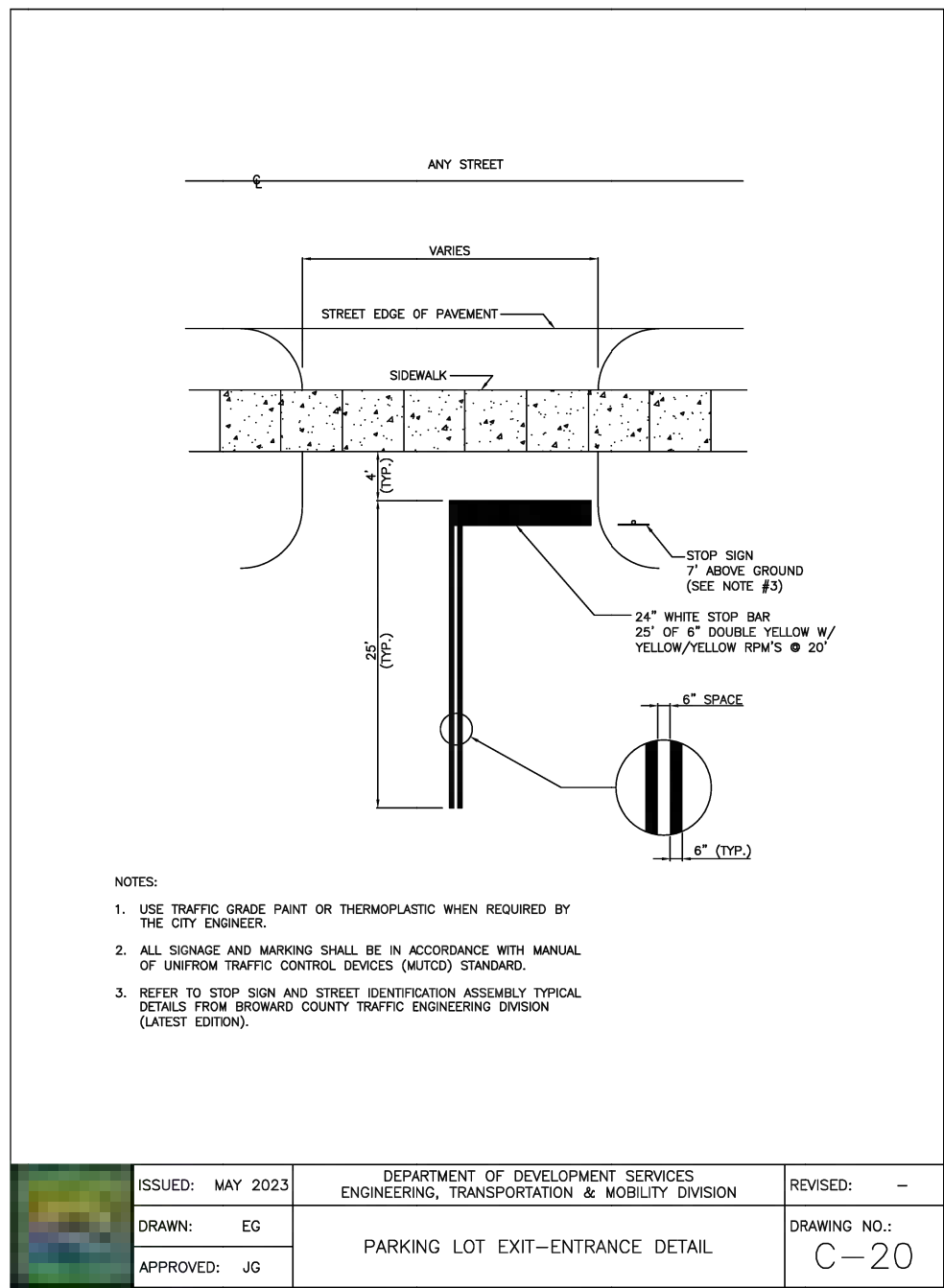
www.botekthurlow-eng.com P: 954-568-8888 F: 954-568-9777

BTE PROJECT #:  
22-0401

PROJECT DATE:  
6-5-2024

SHEET #:  
CA-PMS-6





BTE REF DATE: 6-8-2020

REVISIONS

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STEPHEN F. BOTEK  
No. 55335  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
June 8, 2026

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PAVEMENT MARKING AND SIGNAGE DETAILS

EMERALD HILLS  
Site A - North 56th Avenue  
Hollywood, Florida

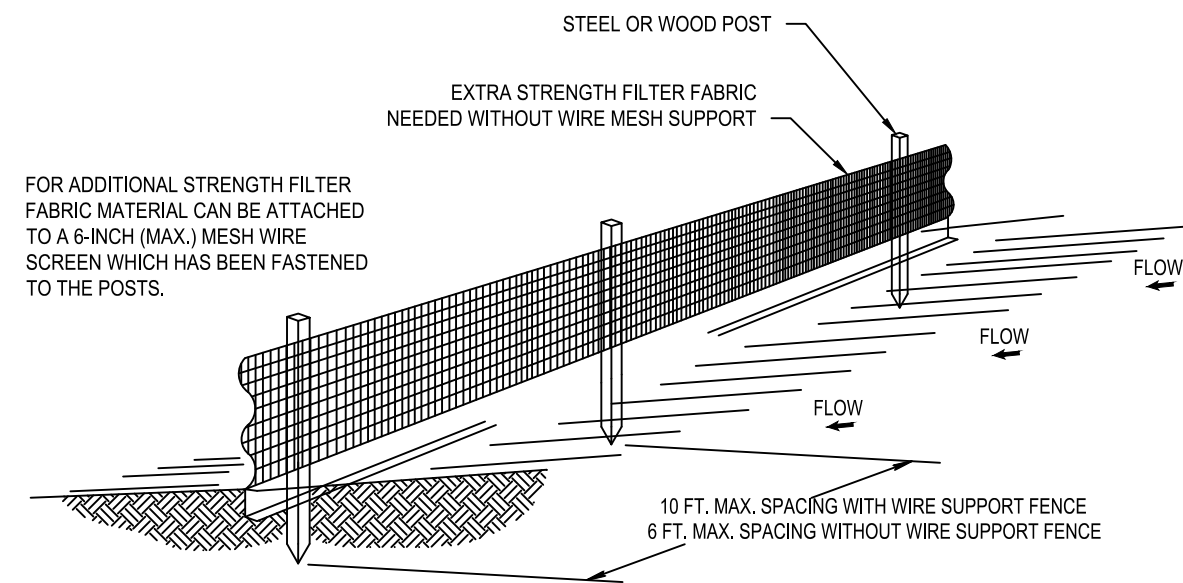
Botek Thurlow Engineering, Inc.  
3409 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309  
www.botekthurlow-eng.com p: 954-568-0888 f: 954-568-0737

BTE PROJECT #: 22-0401

PROJECT DATE: 6-5-2024

SHEET #: CA-PMS-7

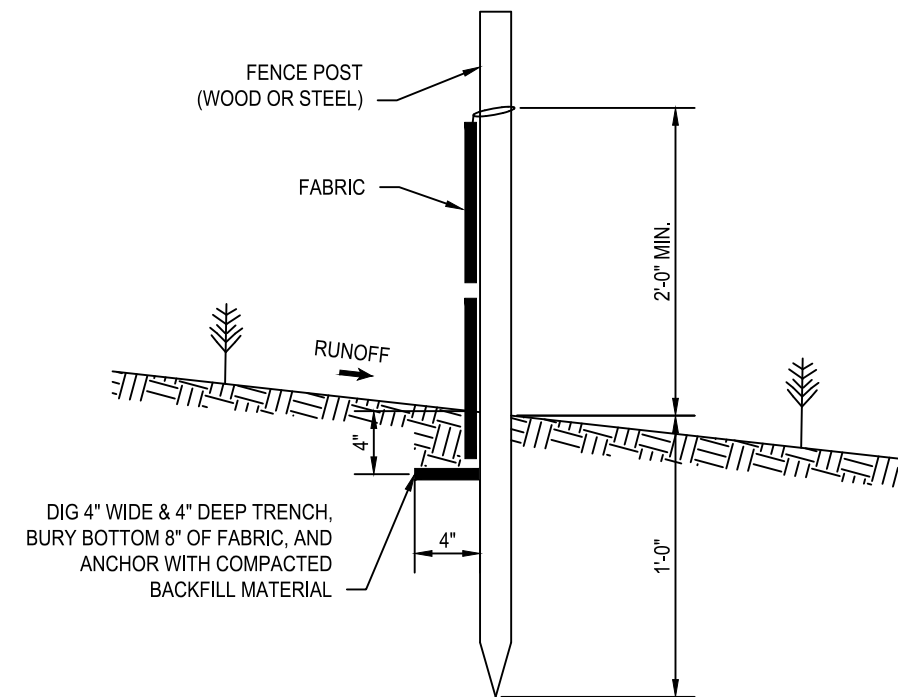




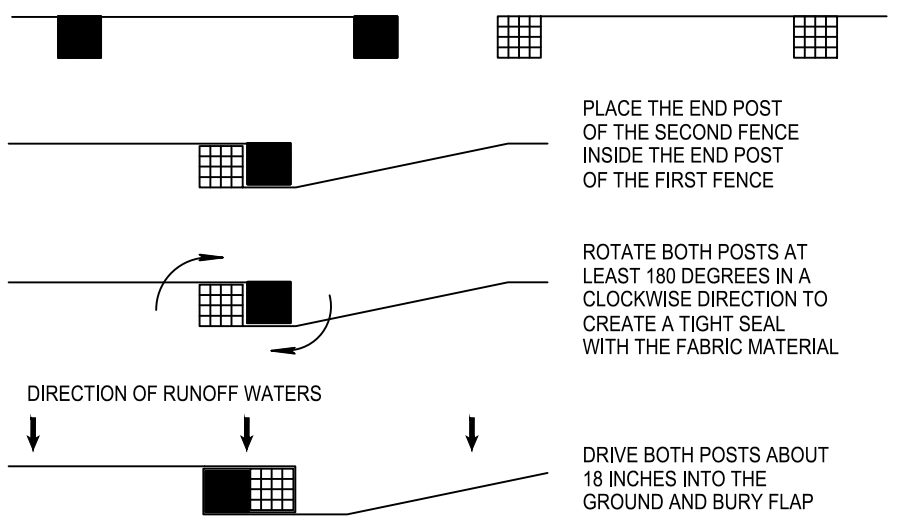
**NOTES:**

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, TIE 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**

POSSIBLE (APPROXIMATE) LOCATION OF PROPOSED SILT FENCE OPENING TO ALLOW ON SITE ACCESS DURING CONSTRUCTION. ACCESS OPENINGS TO BE EQUIPPED WITH RUMBLE STRIPS OR OTHER EQUIVALENT EROSION CONTROL MEASURES. SEE CONSTRUCTION EXIT DETAIL.

PROPERTY LINE  
APPROXIMATE LOCATION OF PROP. SILT FENCE (INSIDE OF PROPERTY LINE)

ALL IMPACTED (PROP. OR EXIST.) CATCH BASINS AND INLETS TO BE EQUIPPED WITH POLLUTION CONTROL DEVICES DURING CONSTRUCTION. (TYPICAL; SEE NOTE 1)

PROPERTY LINE  
APPROXIMATE LOCATION OF PROP. SILT FENCE (INSIDE OF PROPERTY LINE)

ALL IMPACTED (PROP. OR EXIST.) CATCH BASINS AND INLETS TO BE EQUIPPED WITH POLLUTION CONTROL DEVICES DURING CONSTRUCTION. (TYPICAL; SEE NOTE 1)

POSSIBLE (APPROXIMATE) LOCATION OF PROPOSED SILT FENCE OPENING TO ALLOW ON SITE ACCESS DURING CONSTRUCTION. ACCESS OPENINGS TO BE EQUIPPED WITH RUMBLE STRIPS OR OTHER EQUIVALENT EROSION CONTROL MEASURES. SEE CONSTRUCTION EXIT DETAIL.

NORTH 56th AVENUE

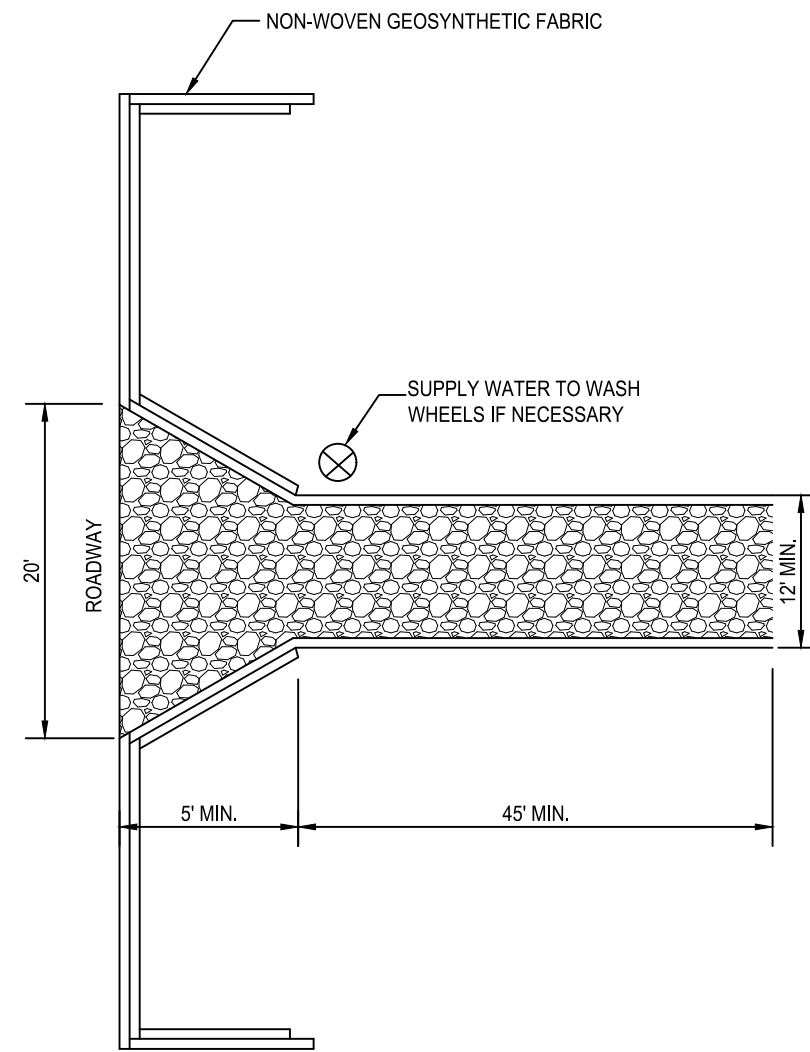
PROPERTY LINE

APPROXIMATE LOCATION OF PROP. SILT FENCE (INSIDE OF PROPERTY LINE)

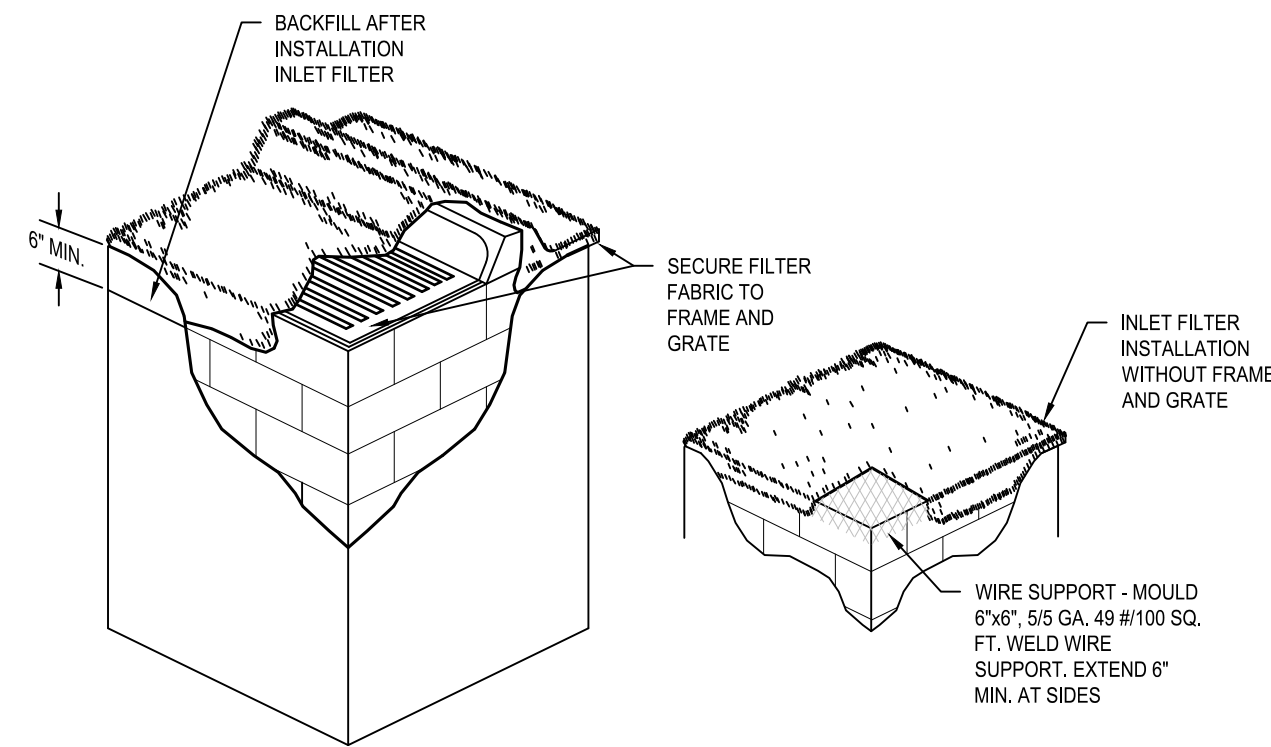
DOUGLAS STREET

**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.



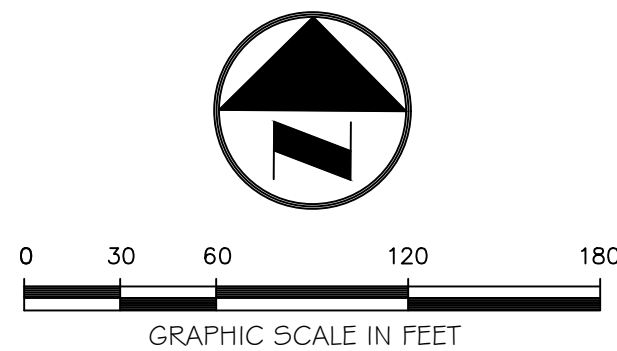
**STABILIZED  
CONSTRUCTION EXIT  
NTS**



**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\"/>

**INLET FILTER DETAIL  
NTS**



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

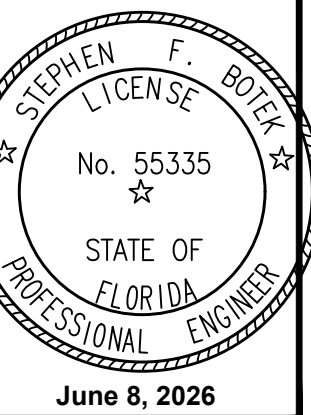
**Sunshine811.com**

BTE REF DATE: 6-8-2026

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**  
Site A - North 56th 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 #:  
CA-POL-1