CITY OF MARCO ISLAND CONTRACT PLANS

NORTH MARCO
WATER MAIN IMPROVEMENTS

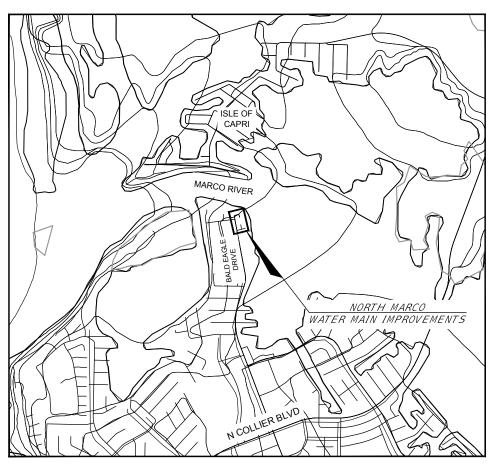
CITY PROJECT No.: COLLIER COUNTY, FLORIDA

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF PLANS

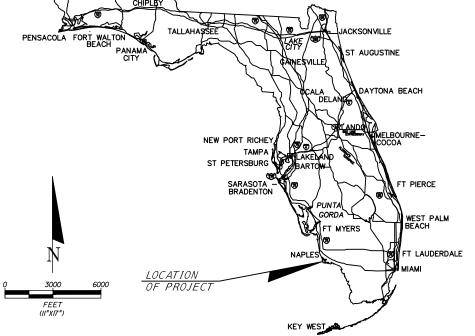
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	PROJECT LAYOUT
4-8	PLAN & PROFILES
9-10	UTILITY DETAILS
11	EROSION & SEDIMENT CONTROL PLAN
12-13	MAINTENANCE OF TRAFFIC

OWNER: CITY OF MARCO ISLAND WATE & SEWER DEPARTMENT 50 BALD EAGLE DRIVE MARCO ISLAND, FL. 34135



REVISIONS: 1 RELOCATE FH STUB-OUT-LEE AVE. 05/31/2024

2 FOR BIDDING 12/13/2024



DAVID SCHMITT, P.E. P.E. NO.: 41671



PLANS PREPARED BY:



950 Encore Way Naples, Fl. 34110 Phone: (239) 254-2000 Florida Certificate of Authorization No.1772

PROJECT NUMBER 2023.126

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.



ISSUED FOR BIDDING DECEMBER, 2024

FISCAL YEAR	SHEET NO.
24	/

- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND EXISTING UTIPRIOR TO CONSTRUCTION. LOCATION OF EXISTING WATER AND SEWER MAINS, LATERALS, METERS AND CLEANOUTS ARE BASED UPON EXISTING PLANS AND LIMITED SITE VERIFICATION.
- 4. UTILITY / AGENCY OWNERS:

COMPANY	CONTACT	PHONE No.
COMCAST		865-630-2499
SUMMIT BROADBAND		877-244-0242
CENTURY LINK		800-955-8771
MARCO ISLAND UTILITIES		239-394-3880
LCEC		800-559-2356

- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE, VERIFY AND PROTECT ANY EXISTING
- 6. EXTREME CAUTION TO BE USED WHEN EXCAVATING, AS NUMBER AND LOCATION OF EXISTING UTILITIES HAVE BEEN NOTED BASED ON THE INFORMATION FURNISHED BY OTHERS.
- 7. DAMAGE TO EXISTING UTILITIES AND PROPERTY DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT CONTRACTORS EXPENSE.
- 8. PIPE JOINT DEFLECTIONS SHALL NOT EXCEED MANUFACTURER'S SPECIFICATIONS. FITTINGS SHALL BE USED WHERE DEFLECTION EXCEEDS ALLOWABLE PIPE JOINT DEFLECTION.
- 9. ALL SUB-SURFACE INSTALLATIONS FOR WATER, SEWER, DRAINAGE AND PUBLIC UTILITIES SHALL BE INSTALLED PRIOR TO COMPACTION OF SUBGRADE AND ROADWAY CONSTRUCTION.
- 10. THE CONTRACTOR SHALL COMPLY WITH THE "STATE OF FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS" WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND WITH THE CITY OF MARCO ISLAND DOT STANDARDS. CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF, AND COMPLIANCE WITH, MAINTENANCE OF TRAFFIC PLANS FOR ALL WORK.
- 11. TRAFFIC SIGNAL SYSTEMS, TRAFFIC LOOPS, INTERCONNECT CABLE, AND STREET LIGHTING SYSTEMS SHALL BE MAINTAINED AT ALL TIMES; IF THE CABLE OR SYSTEM IS CUT OR DAMAGED AS A RESULT OF SUBJECT PROJECT AS DETERMINED BY THE CITY, THE CABLE OR SYSTEM SHALL BE REPAIRED IMMEDIATELY BY AN FDOT/CITY OF MARCO ISLAND APPROVED CONTRACTOR. ALL NECESSARY REPAIRS SHALL BE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE PERFORMED TO APPLICABLE FDOT AND THE CITY OF MARCO ISLAND DOT STANDARDS.
- 12. DRIVEWAYS, SIDEWALKS, AND OTHER RIGHT-OF-WAY OR EASEMENT ENCROACHMENTS SHALL BE RESTORED EQUAL TO PRE-CONSTRUCTION CONDITIONS OR BETTER AND TO THE SATISFACTION OF THE ENGINEER. EXCEPT AS NOTED ON THE ROADWAY PLANS.
- 13. CONTRACTOR SHALL MAINTAIN 10' MINIMUM CLEARANCE FROM ANY LCEC ENERGIZED CONDUCTOR. REFER TO OSHA STANDARDS AND LCEC REQUIREMENTS.
- 14. THE CONTRACTOR MUST COMPLY WITH ALL PROVISIONS OF FLORIDA STATUTE 556, THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT, AND THE CITY OF MARCO ISLAND UTILITY DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS. IN THE EVENT OF CONFLICT BETWEEN THE COUNTY UTILITIES STANDARDS MANUAL AND THIS ACT. THE MORE STRINGENT REQUIREMENT SHALL APPLY
- 15. THE CONTRACTOR SHALL PROTECT ALL TREES AND IRRIGATION SYSTEM DURING CONSTRUCTION.
- 16. THE CONTRACTOR SHALL ADJUST FINAL RIM ELEVATIONS OF METER BOXES, AIR RELEASE VALVE COVERS, ETC., AS REQUIRED TO MEET FINISHED GRADE.
- 17. CONTRACTOR SHALL PERFORM ALL HIS WORK WITHIN THE EASEMENTS OR RIGHT-OF-WAYS.
- 18. ALL DISTURBED AREAS WITH GROUND COVER SHALL RECEIVE SOLID SOD EQUAL TO PRE-EXISTING COVER OR AT A MINIMUM BAHIA SOD, EXCEPT AS NOTED ON THE ROADWAY PLANS. CONTRACTOR IS RESPONSIBLE FOR MOWING AND MAINTENANCE OF THE RESTORED GROUND COVER UNTIL SUBSTANTIAL
- 19. THE CONTRACTOR SHALL EXAMINE THE SITE AND BE RESPONSIBLE FOR UNDERTAKING HIS OWN SOIL BORINGS, PAVEMENT CORINGS AND GEOTECHNICAL INVESTIGATION PRIOR TO SUBMITTING HIS BID, TAKING INTO CONSIDERATION ALL CONDITIONS THAT MAY AFFECT HIS WORK. THE CITY AND THE ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR SUB-SOIL QUALITY OR CONDITIONS; CONTRACTOR SHALL OBTAIN HIS OWN GEOTECHNICAL INFORMATION AS HE/SHE DEEMS NECESSARY, SUCH WORK WILL BE INCLUDED IN THE BID PRICE AS PART OF THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.

- 20. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FILL. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEBRIS AND EXCESS MATERIAL.
- 21. THE CONTRACTOR IS RESPONSIBLE FOR BACKFILLING AND GRADING ALL DISTURBED AREAS IN CONJUNCTION WITH THE PROJECT.

SPECIFICATIONS

- 1. ALL CITY OF MARCO ISLAND UTILITY STANDARD DETAILS AND SPECIFICATIONS (UTILITY STANDARDS) ARE APPLICABLE TO THIS PROJECT AND ARE MADE A PART OF THE CONTRACT DOCUMENTS BY REFERENCE. REFER TO LATEST EDITION AND REVISIONS OF THE CITY'S UTILITIES STANDARDS; IN THE EVENT OF CONFLICT BETWEEN THE CITY UTILITIES STANDARDS MANUAL AND THESE DRAWINGS. THE MORE STRINGENT REQUIREMENT SHALL APPLY. SPECIAL ATTENTION IS TO BE PAID TO THE FOLLOWING REQUIREMENTS. SPECIFIC TO THIS PROJECT:
 - A. CONTRACTOR SHALL FLUSH AND PRESSURE TEST ALL NEW PIPING. REFER TO UTILITY
- B. TEMPORARY WATER SERVICE MAY BE HDPE DR11 (C-906) OR PVC DR-14 (C-900). PIPING SHALL BE RESTRAINED, ALL FITTINGS SHALL BE DI MJ RESTRAINED. PERMANENT BURIED PIPING SHALL BE PVC DR-14 (C-900) OR HDPE DR11 (DIP) WITH RESTRAINED FITTINGS AS INDICATED ON THE
- C. A COLOR PRE-CONSTRUCTION AUDIO-VIDEO RECORDING SHALL BE PERFORMED AND PROVIDED TO THE CITY AND ENGINEER PRIOR TO CONSTRUCTION.
- D. A RECORD SURVEY OF THE COMPLETED PROJECT SHALL BE PROVIDED BY A FLORIDA REGISTERED
- 2. THE CONTRACTOR SHALL COORDINATE ALL OUTAGES AND CONNECTIONS WITH THE CITY A MINIMUM OF
- 3. OPERATION OF CONSTRUCTION EQUIPMENT IS ONLY PERMITTED MONDAY THROUGH FRIDAY, 7:00 AM TO 7:00 PM. WORK SHALL BE PRE-APPROVED BY THE CITY FOR OPERATION OF ANY CONSTRUCTION EQUIPMENT DURING OTHER PERIODS.
- 4. ALL EXCAVATION SHALL BE UNCLASSIFIED WITH NO ADDITIONAL PAYMENT FOR ROCK EXCAVATION OR
- 5. THE CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE ENGINEER, OWNERS REPRESENTATIVE, & THE CITY OF MARCO ISLAND PRIOR TO THE FOLLOWING ACTIVITIES:

 - B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT.
 - C. WATER SYSTEM
 - 1. INSTALLATION OF TEMPORARY PIPING 2 PRESSURE TEST
 - 3. CHLORINATION OF WATER LINES
 - 4. FLUSHINGS

 - 5. BACTERIOLOGICAL SAMPLINGS 6. FINAL CONNECTION OF NEW MAINS
- D. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR BACTERIOLOGICAL SAMPLING. THE CITY SHALL PERFORM ALL SAMPLING AND TESTING IN-HOUSE. TYPICALLY, CHLORINATION SHALL BE DONE ON FRIDAYS, FLUSHING ON MONDAYS WITH SAMPLING ON TUESDAY AND WEDNESDAY. IF NECESSARY ADDITIONAL SAMPLING CAN BE COMPLETED ON THURSDAY.
- 6. THE CONTRACTOR SHALL COMPLETE ALL ASBESTO CEMENT (AC) PIPE REMOVAL AND DISPOSAL WITH THE FEDERAL, STATE AND LOCAL REQUIREMENT. SEE THE SUPPLEMENTAL SPECIFICATIONS FOR ADDITIONAL CITY OF MARCO ISLAND REQUIREMENTS.

TRAFFIC CONTROL NOTES:

THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD PART VI, TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, AS REVISED TO DATE). FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BOOKLET "DESIGN STANDARDS"

- WHERE "FLAGGER" AND "WORKER" SIGNS ARE USED, THE SIGNS SHALL BE COVERED OR REMOVED DURING PERIODS WHEN CONSTRUCTION OPERATIONS ARE SUSPENDED SUCH AS NIGHTS, WEEKENDS
- PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED IN SUCH A WAY THAT WILL AVOID OBSTRUCTION OF OR CONFLICT WITH EXISTING SIGNS.
- 3. ONE TRAVEL LANE SHALL BE KEPT OPEN FOR EACH DIRECTION WITHIN THE WORK AREA THROUGHOUT THE DURATION OF CONSTRUCTION, EXCEPT WHEN A LANE CLOSURE OR DETOUR IS PERMITTED. WHEN DETOURS ARE ESTABLISHED, ROADWAY SHALL BE MADE AVAILABLE FOR LOCAL
- 4. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET.
- 5. THE CONTRACTOR SHALL PHASE HIS CONSTRUCTION OPERATIONS IN SUCH A WAY THAT WILL MAINTAIN EXISTING ACCESS TO ALL SIDE STREET AND DRIVEWAYS AT ALL TIMES. A FLAGGER SHALL BE USED AT TIMES WHEN 2 - WAY ACCESS (I.E. LANE CLOSURES) TO A SIDE STREET IS NOT PROVIDED. TO DIRECT VEHICLES ENTERING OR EXISTING THE SIDE STREET. ADDITIONAL FLAGGERS MAY BE NECESSARY WHEN WORK ZONE INCLUDES A SIDE STREET.

DAVID W. SCHMITT P F NO · 41671

HOLE MONTES, INC.

950 ENCORE WAY

NAPLES, FL. 34110

LEGEND

*	FIRE HYDRANT ASSEMBLY		CASING PIPE
	WATER VALVE	EXISTING WATER MAIN	WATER MAIN
44	WATER METER	EXISTING FORCE_MAIN	FORCE MAIN
¥	BLOW OFF	EXISTING STORM DRAIN	STORM DRAIN
	AIR RELEASE VALVE	EXISTING TELEPHONE	BURIED TELEPHONE CABLE
	REDUCER	EXISTING ELECTRICAL	BURIED ELECTRIC CABLE
	22 1/2 BEND	EXISTING_TV	BURIED TELEVISION CABLE
	45' BEND	* × × ×	FENCE
P	90' BEND		EDGE OF PAVEMENT
	TEE		FACE OF/BACK OF CURB
	CROSS		RIGHT DF WAY
1	PLUG		EASEMENT
\triangleright	MITERED END SECTION		SIDEWALK
			SILT FENCE

ABBREVIATIONS:

d	AERATED INFLUENT	INV	INVERT
NSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IQ	IRRIGATION QUALITY
√PT	APARTMENT	L	LEFT OF CENTERLINE
·RV	AIR RELEASE VALVE	LBE	LANDSCAPE BUFFER EASEMENT
SFT	AERATED SLUDGE FEED TANK	LF	LINEAR FEET
SHT	AERATED SLUDGE HOLDING TANK	LN	LANE
STM	AMERICAN SOCIETY FOR TESTING AND MATERIAL	MAX	MAXIMUM
VE.	AVENUE	мн	MANHOLE
WWA	AMERICAN WATER WORKS ASSOCIATION	MIN	MINIMUM
E	BURIED ELECTRIC	MJ_	MECHANICAL JOINT
LVD	BOULEVARD	MLP	METAL LIGHT POLE
/L	BASE LINE	NO.	NUMBER
M	BENCH MARK	NTS	NOT TO SCALE
ıΤ.	BURIED TELEPHONE	OBG OC/EW	OPTIONAL BASE GROUP
V	BUTTERFLY VALVE	OC/EW	ON CENTER EACH WAY
A	ASBESTOS CEMENT	PGL	PROFILE GRADE LINE
C	CENTER TO CENTER	PL	PLACE
;	CAST IRON	PPW	POWER POLE WOOD
L	CLASS/CENTERLINE	PPC	POWER POLE CONCRETE
LY	CLAY	PSI	PER SQUARE INCH
0	CLEANOUT	PVC PVMT	POLYVINYL CHLORIDE
ONC	CONCRETE		PAVEMENT
ORP.	CORPORATION	R RAS	RIGHT OF CENTERLINE
P	CONTROL PANEL	RCP	RETURN ACTIVATED SLUDGE
T	COURT	RD RCP	REINFORCED CONCRETE PIPE ROAD
TS	COPPER TUBE SIZE	RED.	REDUCER
UE.	COLLIER UTILITY EASEMENT	REQD	REQUIRED
FM	DRAINAGE FORCE MAIN	RMJ	RESTRAINED MECHANICAL JOINT
J.I.P.	DUCTILE IRON PIPE	RW/R.O.W.	
	DIAMETER DENIE (DIMENSION) BATIO	SAN	SANITARY
R	DRIVE/DIMENSION RATIO	SCD	SCRUBBER DUCT
RN	DRAIN	SCH	SCHEDULE
SMT	EASEMENT ELECTRICAL	SCH SCO	SEWER CLEANOUT
OP	ELEVATION EDGE OF PAVEMENT	SDR	STANDARD DIMENSION RATIO
Q	EQUALIZATION	SHC	SODIUM HYPOCHLORITE
X	EXISTING	SMH	SANITARY MANHOLE
Ŷ FE	FINISH FLOOR ELEVATION	SS	SANITARY SEWER/STAINLESS STEEL
м	FORCE MAIN	ST	STREET
DOT	FLORIDA DEPARTMENT OF TRANSPORTATION	STA	STATION
T.	FEET TO THE TOTAL TO THE TOTAL	SW	SOLVENT WELD
ĹG	FLANGED PIPE FITTING	SW	SIDEWALK
ō	FIBER OPTIC	TCE	TEMPORARY CONSTRUCTION EASEMENT
ÄLV	GALVANIZED	TYP	TYPICAL
SD.	GRAVITY DRAIN	ÜË	UNDERGROUND ELECTRIC
ŠV.	GATE VALVE	VCP	VITRIFIED CLAY PIPE
IDPE	HIGH-DENSITY POLYETHYLENE	WAS	WASTE ACTIVATED SLUDGE
		WM	WATER METER/WATER MAIN

DRAWING CURRENT AS OF: 12/13/2

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2023126

2023126

PROJECT ND.

GENERAL NOTES

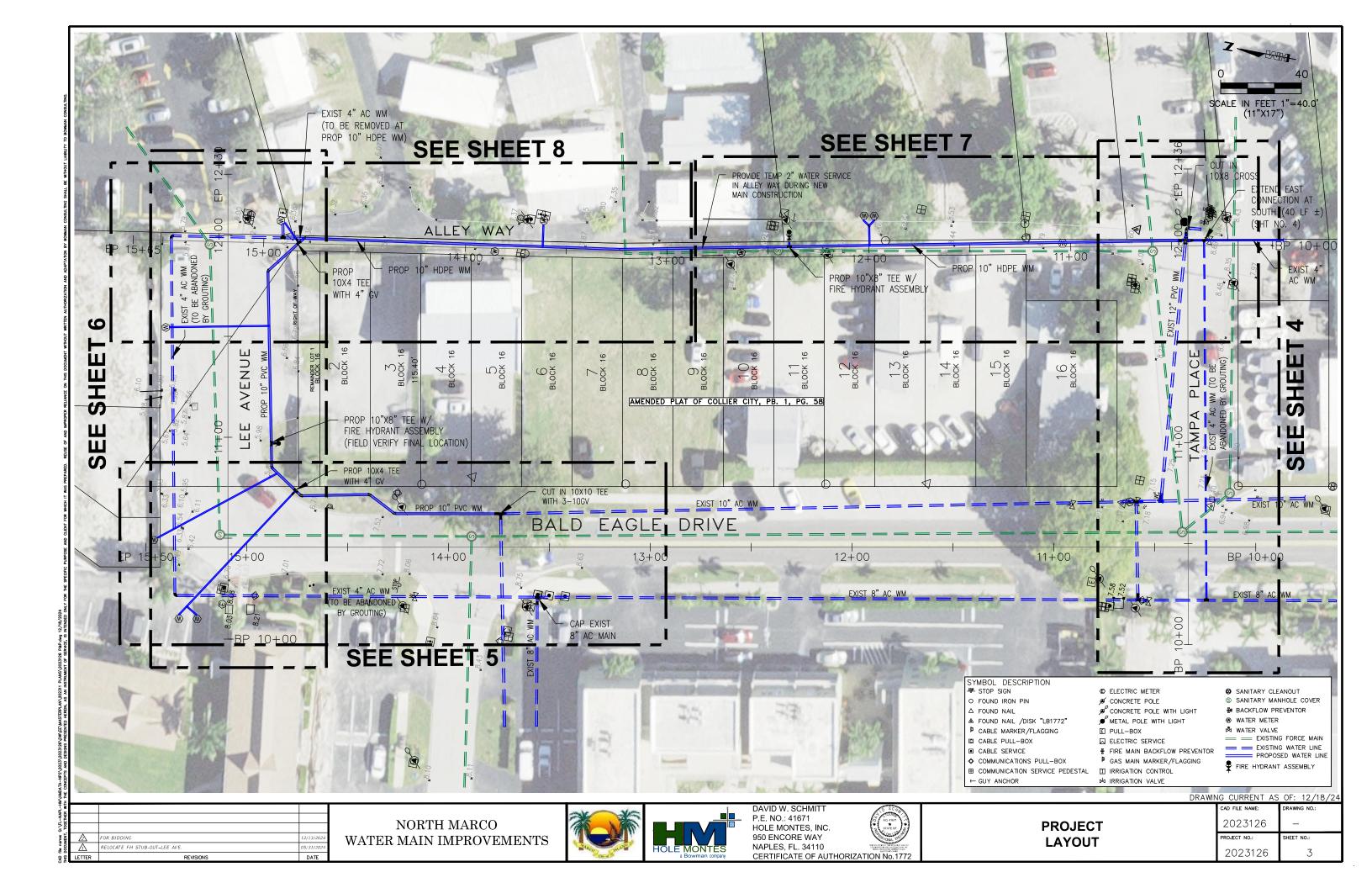
RELOCATE FH STUB-OUT-LEE AVE.

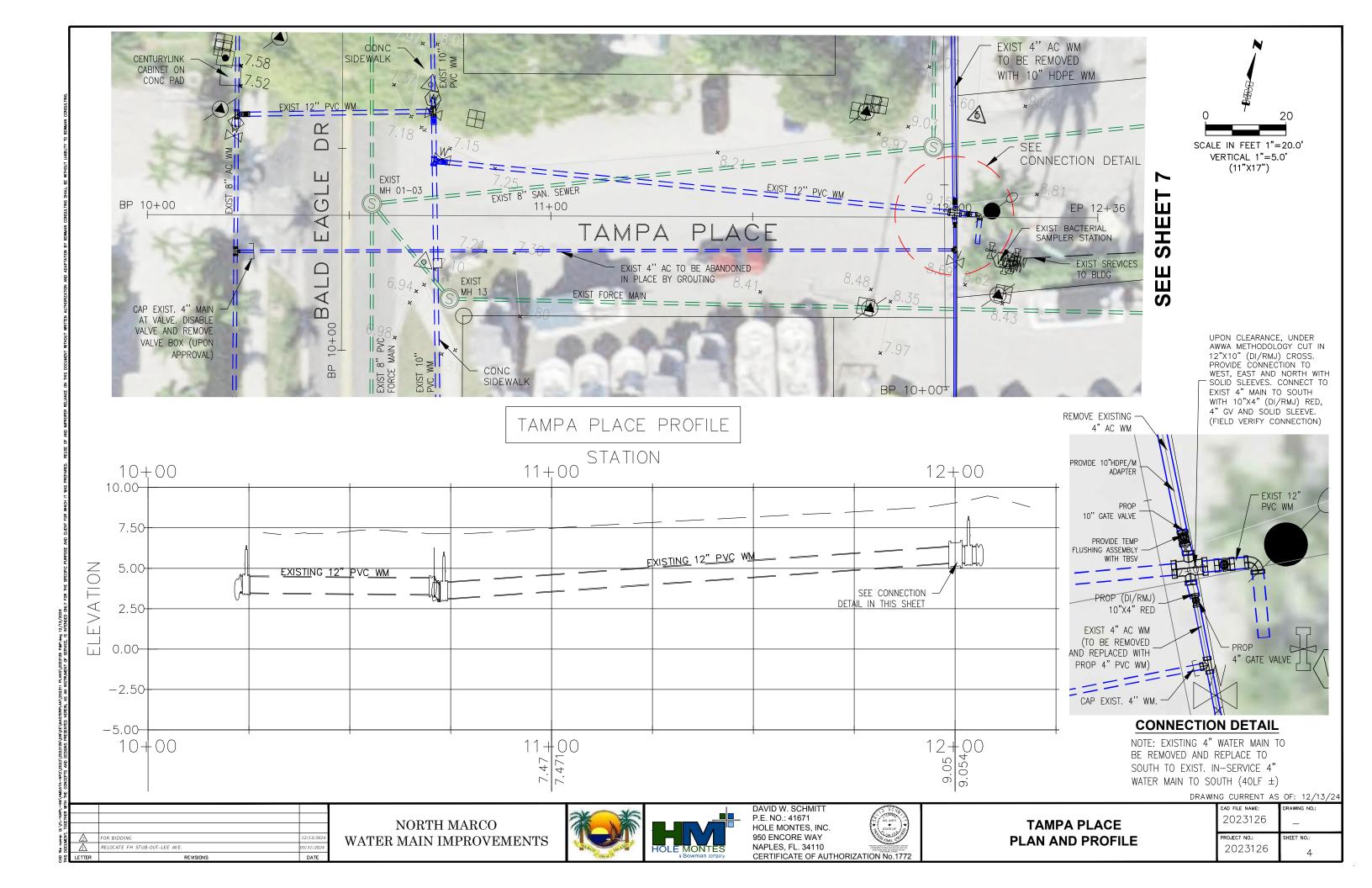
NORTH MARCO WATER MAIN IMPROVEMENTS

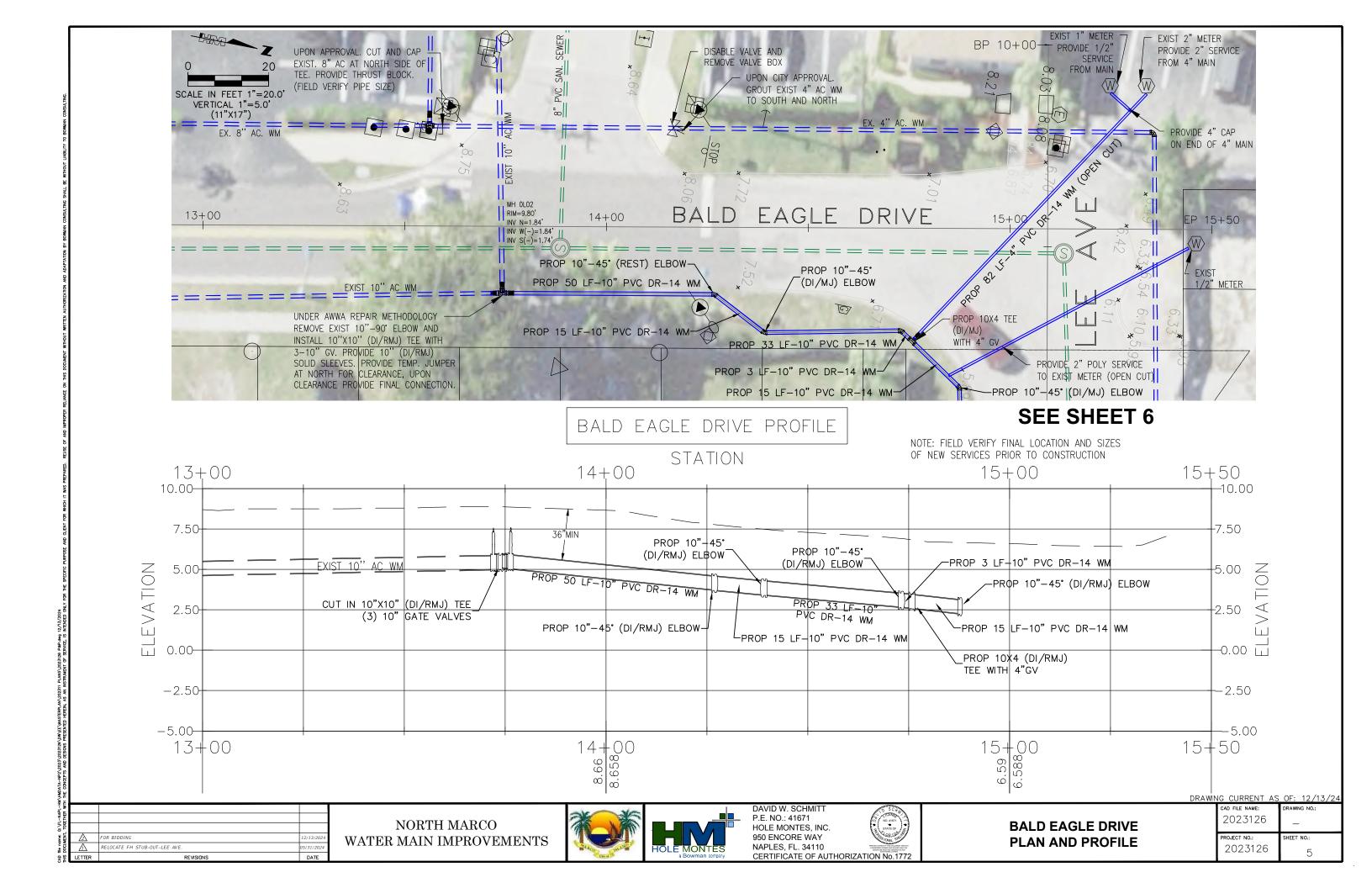


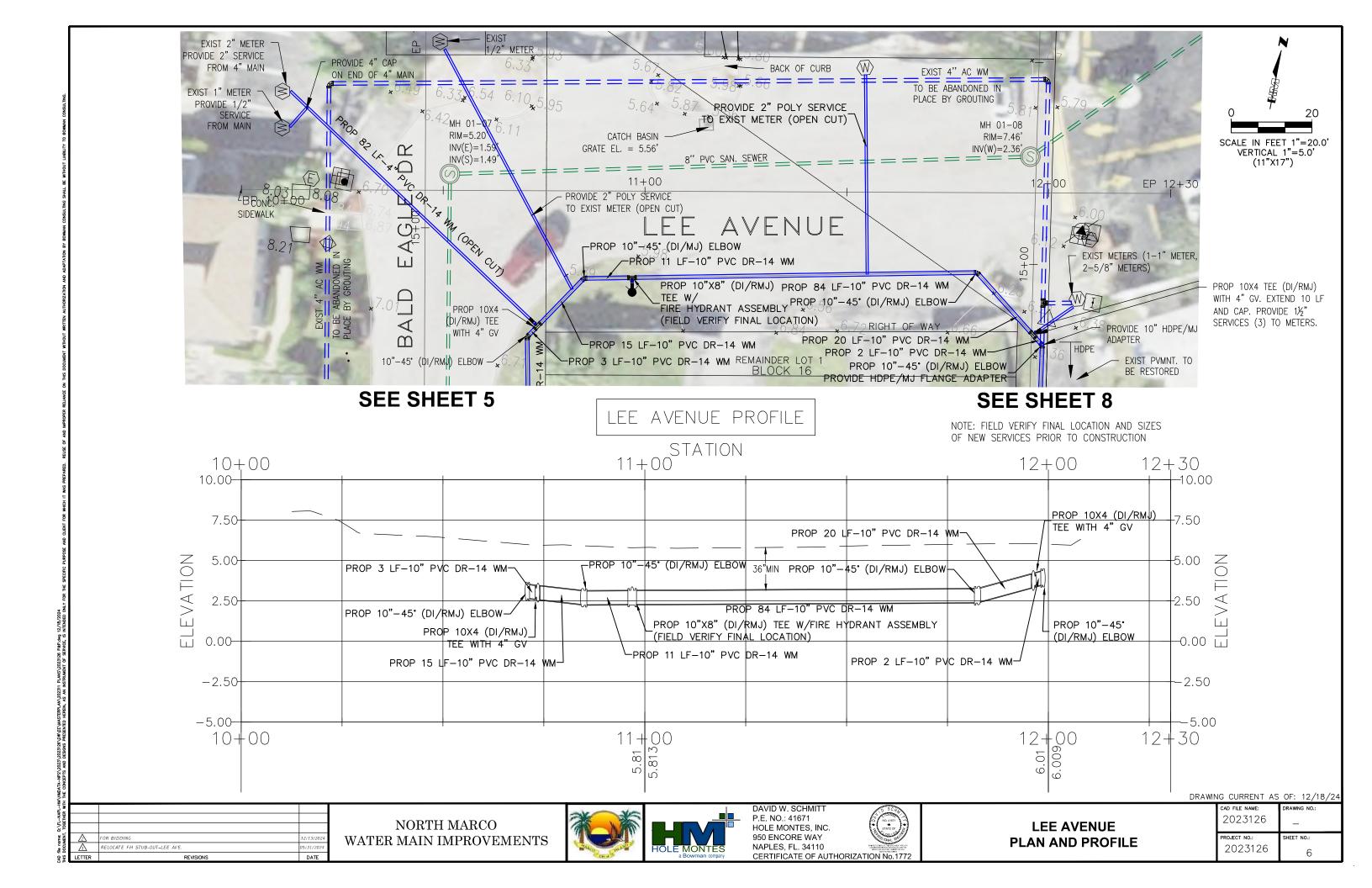


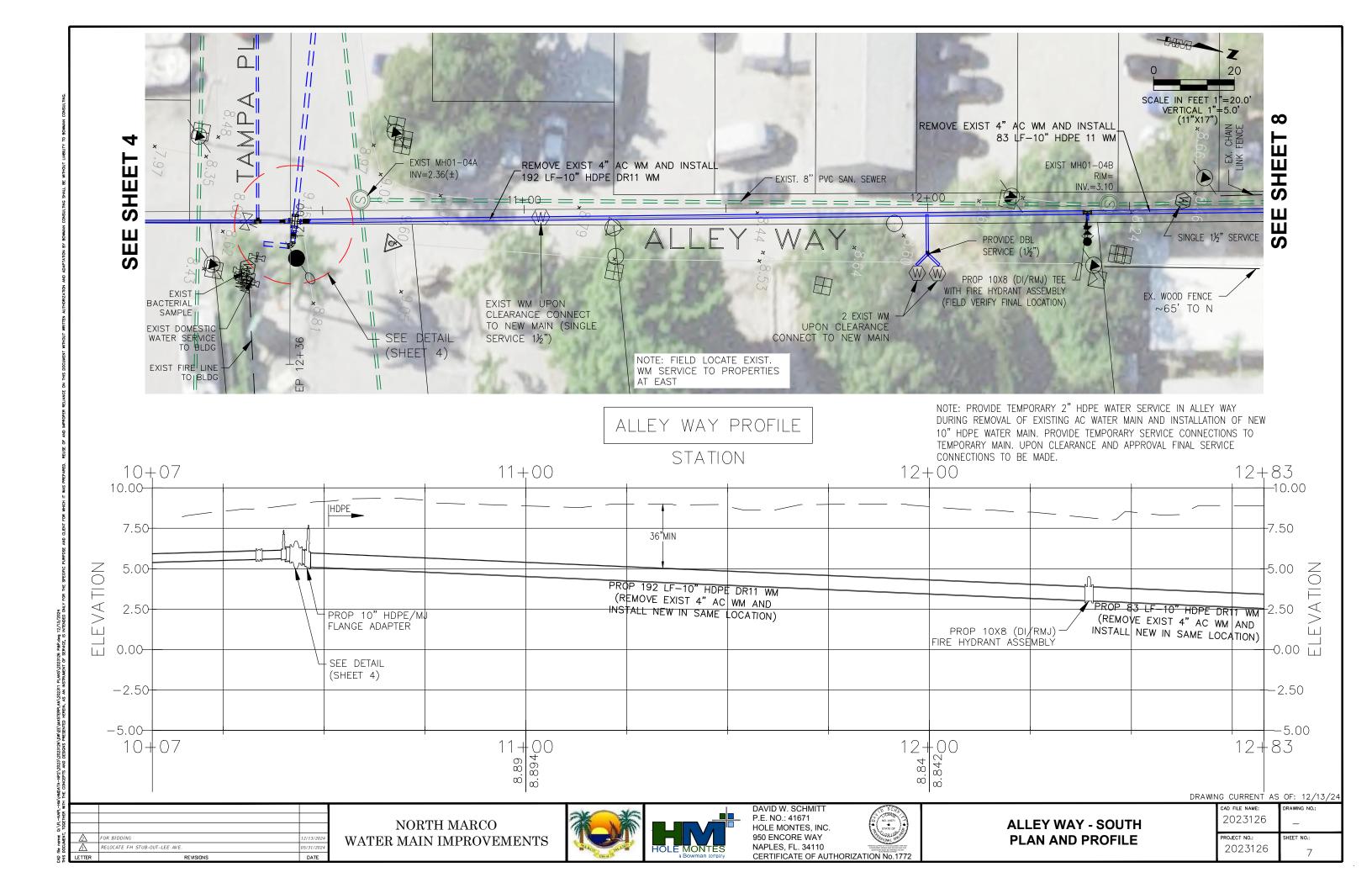
CERTIFICATE OF AUTHORIZATION No.1772

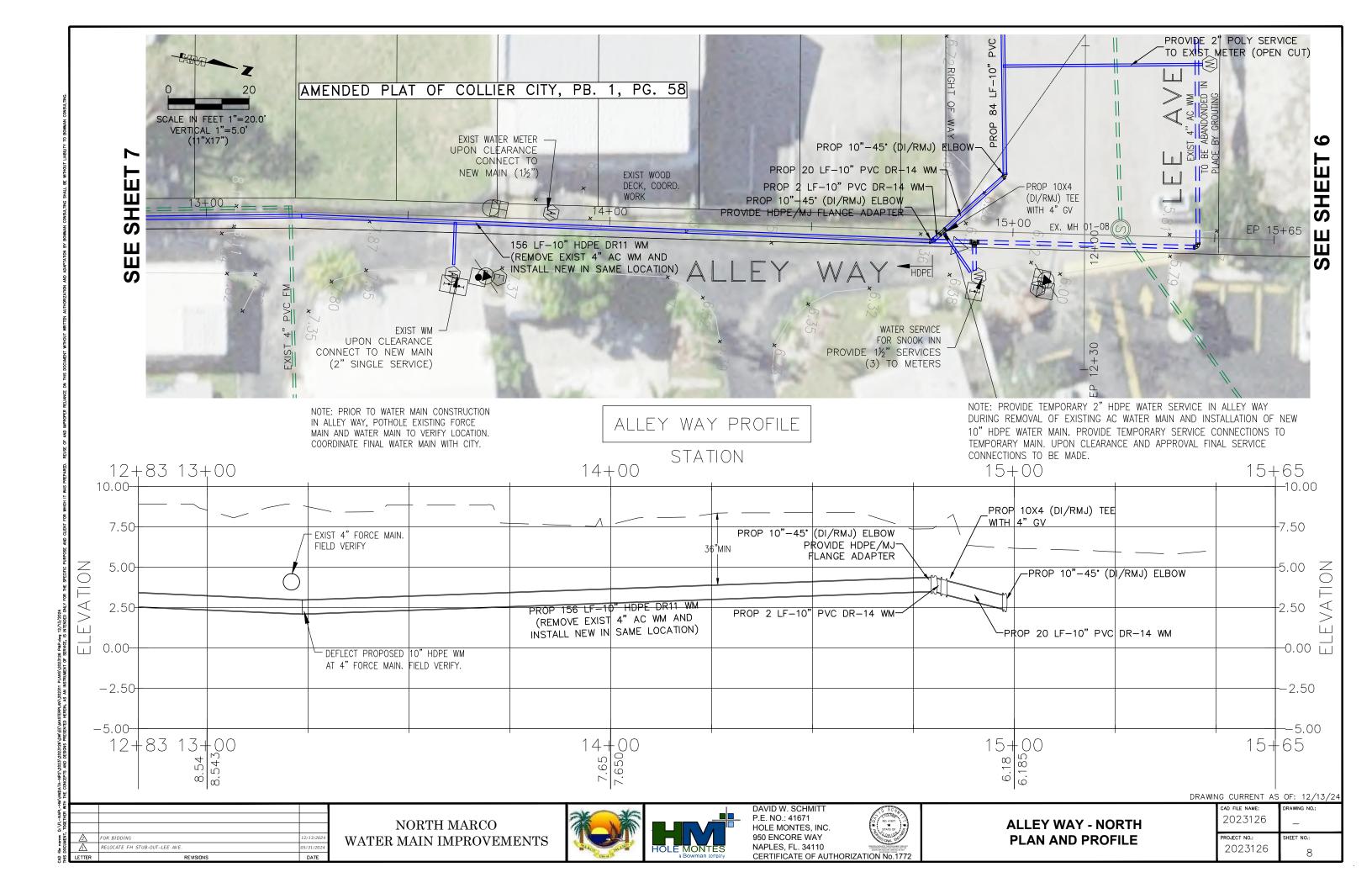


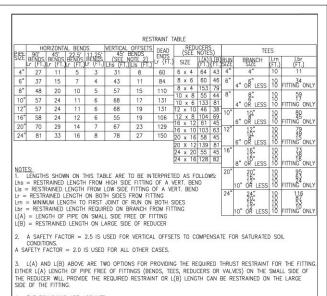












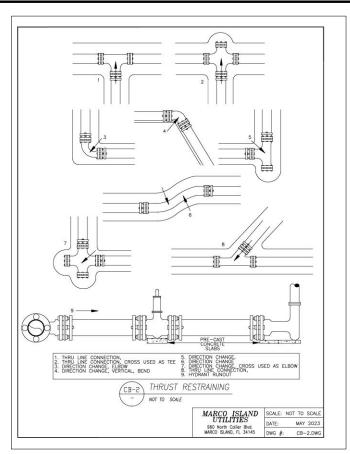
THE FOLLOWING ARE ASSUMED: 4" - 10" PIPE HAS 30" MIN. COVER 12" - 24" PIPE HAS 36" MIN. COVER 4" - 24" PIPE IS PVC

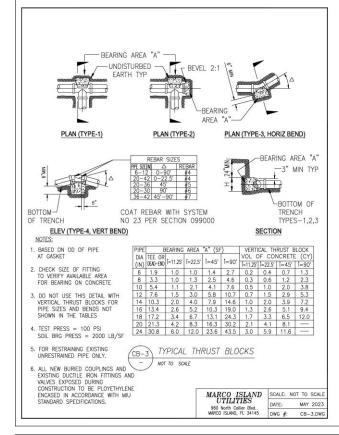
VALVES SHALL BE RESTRAINED ON EITHER SIDE OF THE FITTING AS A MINIMUM. IN LINE VALVES SHALL HAVE NO FITTINGS WITHIN THE LENGTHS SHOWN ON THIS TABLE FOR THE SAME SIZE DEAD END. IN CASES WHERE THIS LENGTH CAN NOT BE PROVIDED FREE OF FITTINGS, ADDITIONAL RESTRAINT SHALL BE REQUIRED AS APPROVED BY ENGINEER.

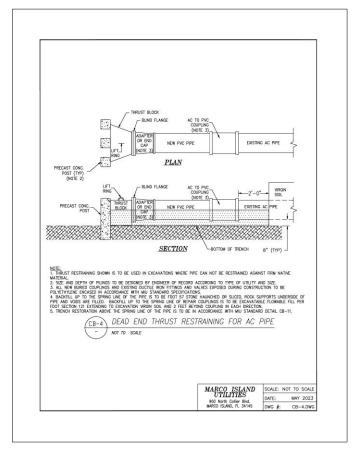
ALL DEAD END LINES, PERMANENT OR TEMPORARY, SHALL BE RESTRAINED PER THE ABOVE RESTRAINT TABLE.

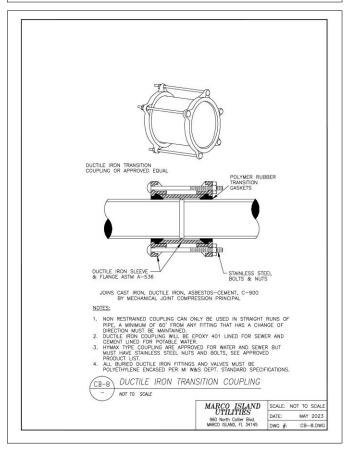
CB-1 RESTRAINT TABLE

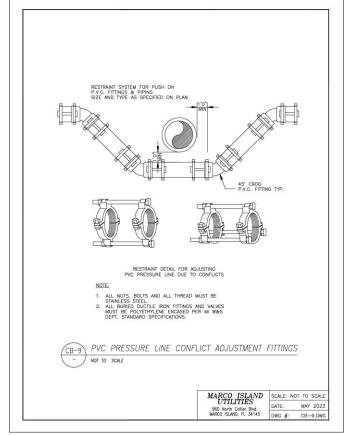
MARCO ISLAND SCALE: NOT TO SCALE UTILITIES

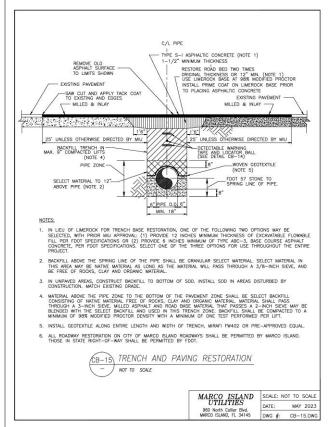


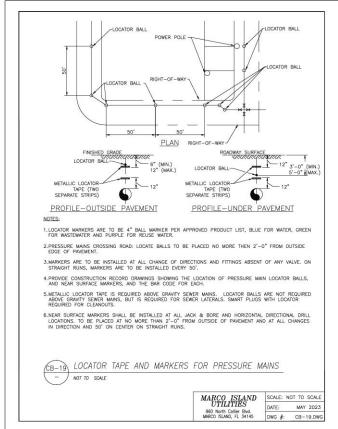












NOTE: ALL DUCTILE IRON PIPE, FITTINGS AND VALVES SHALL HAVE POLYETHYLENE ENCASEMENT. DRAWING CURRENT AS OF: 12/13/24

FOR BIDDING RELOCATE FH STUB-OUT-LEE AVE.

NORTH MARCO WATER MAIN IMPROVEMENTS



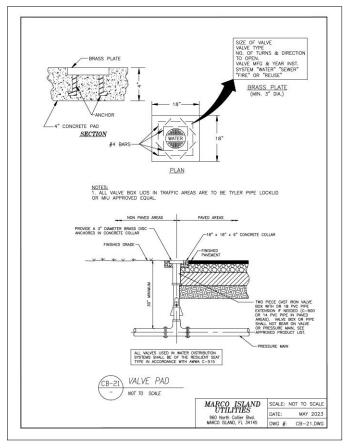


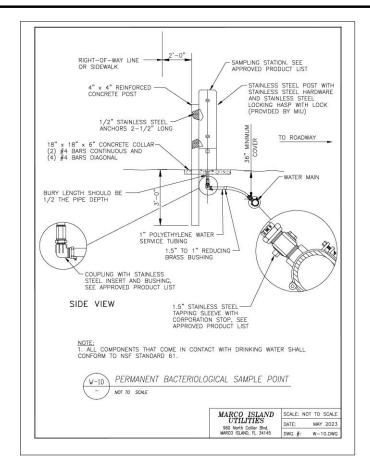
DAVID W. SCHMITT P.E. NO.: 41671 HOLE MONTES, INC. 950 ENCORE WAY NAPLES, FL. 34110 CERTIFICATE OF AUTHORIZATION No.1772

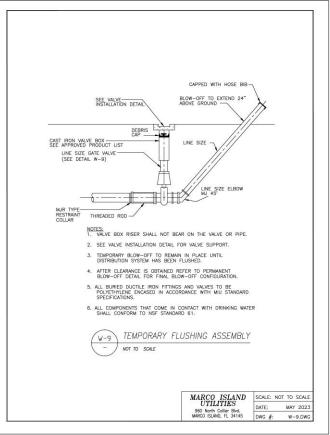
2023126 **UTILITY DETAILS** PROJECT NO .: SHEET NO.:

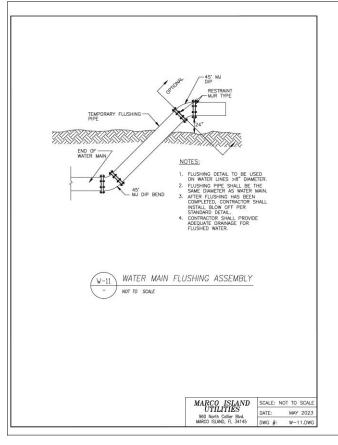
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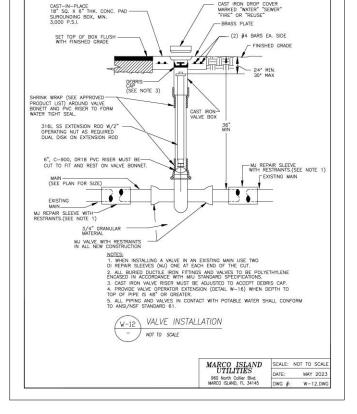
9











ALL VALVES SHALL HAVE TOP OPERATED NUTS. NO SIDE ACTUATORS SHALL BE PERMITTED.

NOTE: LOCATOR TAPE TO BE USED IN ALL LOCATIONS. LOCATOR BALLS TO BE USED IN GRASS AND UNPAVED AREAS. IN PAVED AREAS (CONCRETE AND ASPHALT), 3M ELECTRONIC MARKER SYSTEM (EMS) NEAR SURFACE MARKERS SHALL BE USED.

WATER 1434 - XR/iD 1435 - XR/iD WASTEWATER REUSE 1438 - XR/iD 1438 - XR/iD RAW WATER

PROVIDE MIN 4" SEPARATION BETWEEN LOCATOR BALLS AND BURIED FACILITIES OR METALLIC OBJECTS. PROVIDE MIN 2" HORIZONTAL AND 12" VERTICAL SEPARATION BETWEEN BURIED FACILITY OR METALLIC OBJECTS. SURFACE MARKERS SHALL BE INSTALLED IN 3" DEEP X REQ'D DIAMETER HOLE IN FINISH SURFACE. IT SHALL BE SECURED IN PLACE WITH COMPATIBLE SEALANT.

....CENSX. NO. 41671 STATE OF

NOTE: ALL DUCTILE IRON PIPE, FITTINGS AND VALVES SHALL HAVE POLYETHYLENE ENCASEMENT.

DRAWING CURRENT AS OF: 12/13/24

SHEET NO .:

10

FOR BIDDING RELOCATE FH STUB-OUT-LEE AVE.

NORTH MARCO WATER MAIN IMPROVEMENTS



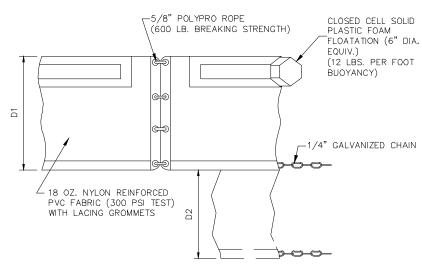


DAVID W. SCHMITT P.E. NO.: 41671 HOLE MONTES, INC. 950 ENCORE WAY NAPLES, FL. 34110 CERTIFICATE OF AUTHORIZATION No.1772

2023126 PROJECT NO.: 2023126

UTILITY DETAILS

CONSTRUCTION OF A FILTER BARRIER N.T.S.



D1=5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2=5' STD. (ADDITIONAL PANEL DEPTHS GREATER THAN 5')
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN
10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY
CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

N.T.S.

GENERAL NOTES:

- 1. CONTRACTOR TO PLACE CONSTRUCTION FENCING AT LIMIT OF CLEARING TO PROTECT VEGETATION. FENCE IS TO REMAIN IN PLACE THROUGH DURATION OF CONSTRUCTION.
- 2. THE REVIEW AND APPROVAL OF IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD.
- 3. THE PROPERTY OWNER IS RESPONSIBLE FOR REPLACEMENT OF ALL DEAD LANDSCAPE MATERIAL AND FOR MAINTENANCE OF THE REQUIRED IRRIGATION SYSTEM.
- 4. A DOUBLE SILT FENCE IS TO BE PLACED ALONG THE EDGE OF CANAL AND PRESERVE LIMITS AND ENTRENCHED A MIN. OF 4 INCHES & 3' SEPERATION.
- 5. CONTRACTOR TO REMOVE ALL EXISTING FENCE ALONG PERIMETER OF PROPERTY AT COMPLETION OF PROJECT.



DRAWING CURRENT AS OF: 12/13/24

NORTH MARCO WATER MAIN IMPROVEMENTS





DAVID W. SCHMITT
P.E. NO.: 41671
HOLE MONTES, INC.
950 ENCORE WAY
NAPLES, FL. 34110
CERTIFICATE OF AUTHORIZATION No.1772

EROSION AND SEDIMENTATION CONTROL PLAN

	CAD FILE NAME:	DRAWING NO.:
	2023126	_
	PROJECT ND.:	SHEET NO.:
	2023126	11

NOTE:

- 1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
- 2. L = Taper LengthX = Work Zone Sign Spacing See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- 3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
- 4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and
- 5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- 6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- 7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- 8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing
- 9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

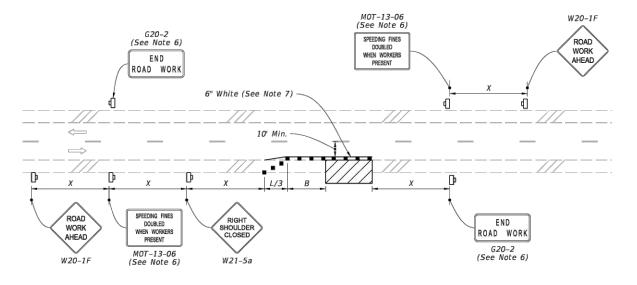


Work Area

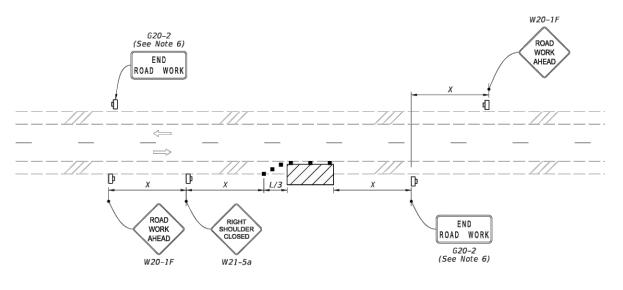
■ Channelizing Device (See Index 102-600)

₩ork Zone Sign

Lane Identification and Direction of Traffic



SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



= TWO-LANE ROADWAY = SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

TWO-LANE AND MULTILANE, **WORK ON SHOULDER** FY 2024-25 STANDARD PLANS INDEX 102-602 SHEET 1 OF 2



ALL MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES FY 2024-25 STANDARD PLANS INDEX 102-600 SHEETS 1 THRU 11

DRAWING CURRENT AS OF: 12/13/24

RELOCATE FH STUB-OUT-LEE AVE.

NORTH MARCO WATER MAIN IMPROVEMENTS

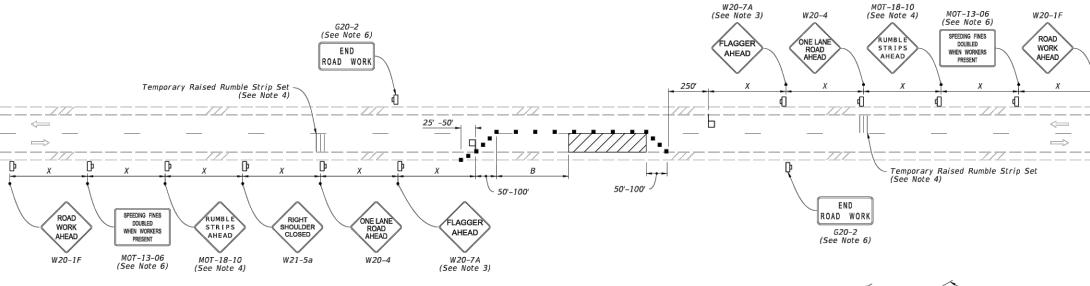




DAVID W. SCHMITT P.E. NO.: 41671 HOLE MONTES, INC. 950 ENCORE WAY NAPLES, FL. 34110 CERTIFICATE OF AUTHORIZATION No.1772

MAINTENANCE OF TRAFFIC

cad file name: 2023126	DRAWING NO.:
PROJECT NO.:	SHEET NO.:
2023126	12



NOTES:

- 1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
- 2. L = Taper Length
- B = Buffer Length

X = Work Zone Sign Spacing See Index 102-600 for "L", "B", "X" and channelizing device spacing values.

- Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
- 4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
- 5. Additional one-way control may be provided by the
- following means: a. Flag-carrying vehicle
- b. Official vehicle
- c. Pilot vehicles
- d. Traffic signals

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

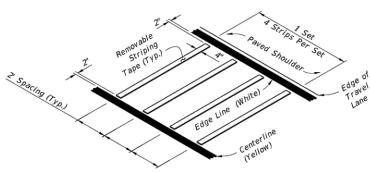
SYMBOLS:

Work Area

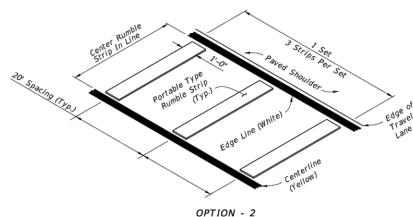
- Channelizing Device (See Index 102-600)
- ₩ork Zone Sign
- ☐ Flagger

Lane Identification and Direction of Traffic

- The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
- Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
- 8. Railroad Crossings:
- a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
- b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.



OPTION - 1 REMOVABLE STRIPING TYPE



PORTABLE TYPE

= RUMBLE STRIP SETS=

TWO-LANE, TWO-WAY WORK
WITHIN TRAVEL WAY
FY 2024-25 STANDARD PLANS
INDEX 102-603
SHEET 1 OF 2



ALL MAINTENANCE OF TRAFFIC SHALL BE
IN ACCORDANCE WITH GENERAL INFORMATION
FOR TRAFFIC CONTROL THROUGH WORK ZONES
FY 2024-25 STANDARD PLANS
INDEX 102-600
SHEETS 1 THRU 11

DRAWING CURRENT AS OF: 12/13/24

NORTH MARCO WATER MAIN IMPROVEMENTS





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NAPLES, FL. 34110
CERTIFICATE OF AUTHORIZATION No.1772

MAINTENANCE OF TRAFFIC

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