

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF WATER MAIN REPLACEMENT PLANS

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GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2024-25 Standard Plans for
Road and Bridge Construction and applicable Interim Revisions (IRs).

The Standard Plans for Road Construction and associated IRs are
available at the following website:
<http://www.fdot.gov/design/standardplans>

APPLICABLE IRs:

Standard Plans for Bridge Construction are included in the Structural
Plans Components.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, Jan. 2025 Standard Specifications
for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

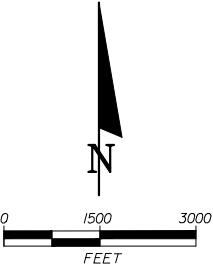
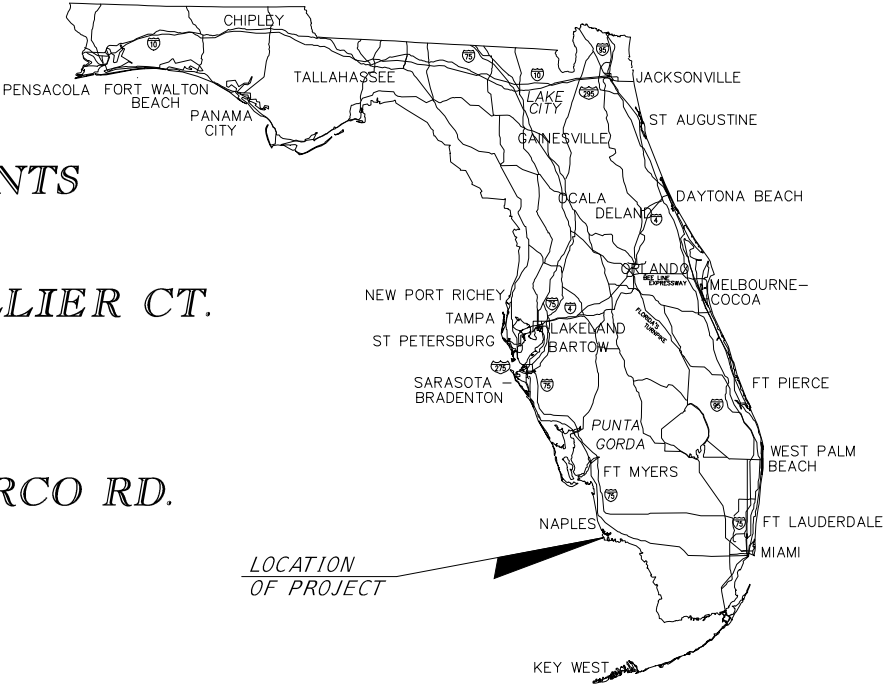
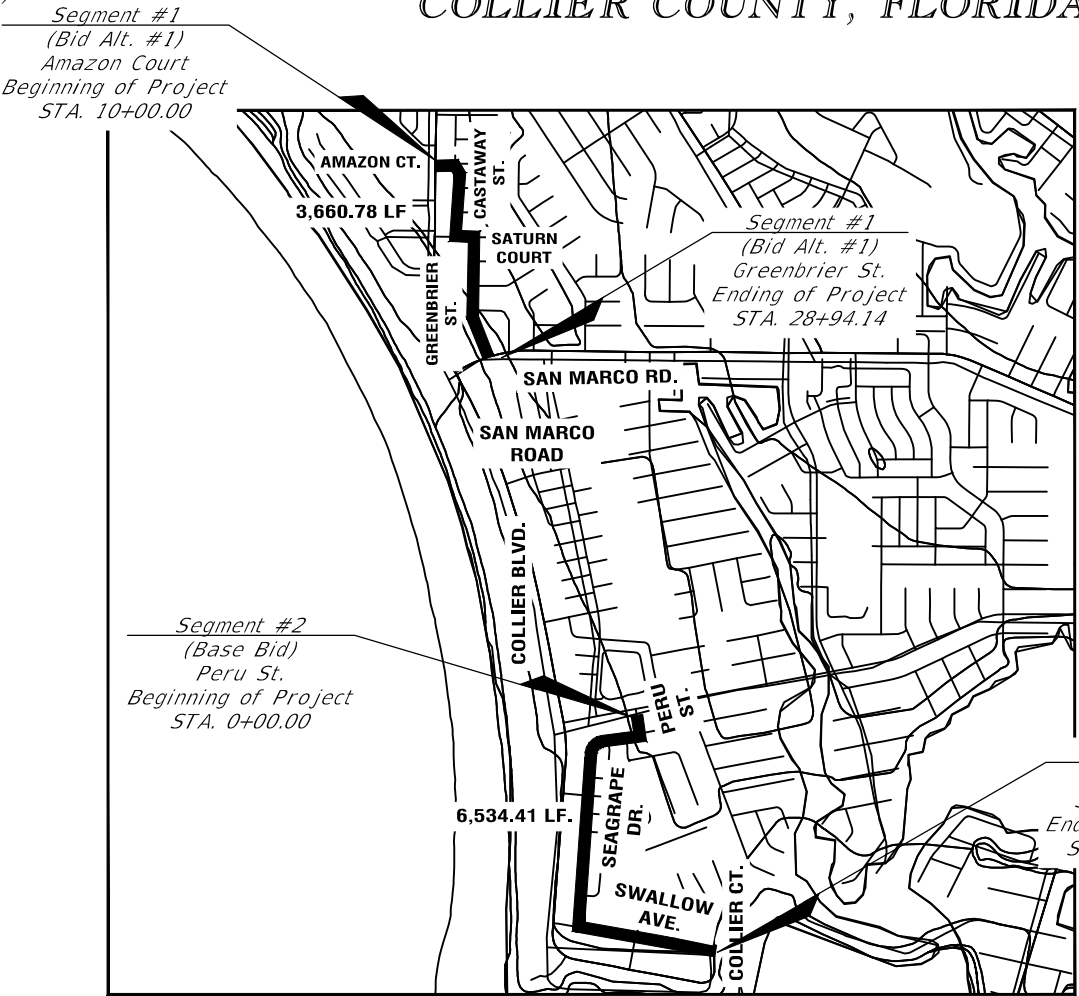
CITY OF MARCO ISLAND
CONTRACT PLANS

COLLIER BLVD. BIKE LANE IMPROVEMENTS

BASE BID
SEGMENT #2 FROM WINTERBERRY DR. TO COLLIER CT.
WATER MAIN REPLACEMENT

BID ALTERNATE #1
SEGMENT #1 FROM AMAZON CT. TO SAN MARCO RD.
WATER MAIN REPLACEMENT

CITY PROJECT No.:
COLLIER COUNTY, FLORIDA



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

PREPARED BY :

448127-1-58-01

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FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 30462

	THESE DRAWINGS ARE NOT APPROVED UNLESS SIGNED AND SEALED BELOW :	CAD FILE NAME:		DRAWING NO.:
		340237.CVR		
		PROJECT NO.:		SHEET NO.:
NUMBER	REVISIONS	DATE	340237.01.002	1

DAVID W. SCHMITT, P.E.
FL. LICENSE NO. 41671
02/10/2025

GENERAL NOTES

1. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) – 1988. FOR NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) – 1929 CONVERSION, ADD 1.31’ TO (N.A.V.D.) ELEVATION. THE RECORD DRAWINGS SHALL REFERENCE THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) – 1988.
2. IT IS THE CONTRACTOR’S RESPONSIBILITY TO REPLACE ANY EXISTING LANDSCAPING (I.E. SOD, BUSHES, TREES, ETC.) AND SPRINKLER PIPE, SPRINKLER HEADS, FENCING AND ALL IDENTIFIED IMPROVEMENTS THAT MAY HAVE TO BE REMOVED OR HAVE BEEN DAMAGED OR INJURED DURING CONSTRUCTION, NOT IDENTIFIED TO BE REMOVED BY UTILITY OR SIDEWALK IMPROVEMENT. CONTRACTOR TO REPLACE OR REPAIR ANY DAMAGED PROPERTY OR IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION. CONTRACTOR MUST COMPLY WITH ALL PROVISIONS OF FLORIDA STATUTE 556, THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT.
3. IT IS THE CONTRACTOR’S RESPONSIBILITY TO VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. IT IS THE CONTRACTOR’S RESPONSIBILITY TO FIELD LOCATE, VERIFY AND PROTECT ANY EXISTING UTILITIES.
5. EXTREME CAUTION TO BE USED WHEN EXCAVATING, AS NUMBER AND LOCATION OF EXISTING UTILITIES HAVE BEEN NOTED BASED ON THE INFORMATION FURNISHED BY OTHERS.
6. DAMAGE TO EXISTING UTILITIES AND PROPERTY DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT CONTRACTORS EXPENSE.
7. PIPE JOINT DEFLECTIONS SHALL NOT EXCEED MANUFACTURER’S SPECIFICATIONS. FITTINGS SHALL BE USED WHERE DEFLECTION EXCEEDS ALLOWABLE PIPE JOINT DEFLECTION.
8. 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.
9. 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.
10. 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 BIKE LANE IMPROVEMENT PLANS.
11. CONTRACTOR SHALL MAINTAIN 10’ MINIMUM CLEARANCE FROM ANY LCEC ENERGIZED CONDUCTOR. REFER TO OSHA STANDARDS AND LCEC REQUIREMENTS.
12. 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.
13. THE CONTRACTOR SHALL PROTECT ALL TREES AND IRRIGATION SYSTEM DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL ADJUST FINAL RIM ELEVATIONS OF METER BOXES, AIR RELEASE VALVE COVERS, ETC., AS REQUIRED TO MEET FINISHED GRADE.
15. CONTRACTOR SHALL PERFORM ALL HIS WORK WITHIN THE EASEMENTS OR RIGHT–OF–WAYS.
16. 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 COMPLETION.
17. THE CONTRACTOR SHALL EXAMINE THE SITE AND BE RESPONSIBLE FOR UNDERTAKING THEIR OWN SOIL BORINGS, PAVEMENT CORINGS AND GEOTECHNICAL INVESTIGATION PRIOR TO SUBMITTING THEIR BID. TAKING INTO CONSIDERATION ALL CONDITIONS THAT MAY AFFECT THEIR WORK. THE CITY AND THE ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR SUB–SOIL QUALITY OR CONDITIONS. CONTRACTOR SHALL OBTAIN HIS OWN GEOTECHNICAL INFORMATION AS THEY DEEMS NECESSARY. SUCH WORK WILL BE INCLUDED IN THE BID PRICE AS PART OF THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.
18. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FILL. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEBRIS AND EXCESS MATERIAL.
19. THE CONTRACTOR IS RESPONSIBLE FOR BACKFILLING AND GRADING ALL DISTURBED AREAS IN CONJUNCTION WITH THE PROJECT.















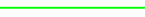





SPECIFICATIONS

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, PRESSURE TEST AND DISENFECT ALL NEW PIPING.(MAIN SERVICES) REFER TO UTILITY STANDARDS.
- B. ALL WATER PIPING SHALL BE BLUE PVC, C900 DR 14 AND DR 18 AS NOTED. ALL FITTINGS SHALL BE RESTRAINED PER UTILITY STANDARDS. ALL FITTINGS AND RESTRAINTS SHALL BE POLYETHYLENE ENCASED.
- 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 SURVEYOR.
2. THE CONTRACTOR SHALL COORDINATE ALL OUTAGES AND CONNECTIONS WITH THE CITY A MINIMUM OF TWO WEEKS PRIOR.
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 DEWATERING.
5. THE CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE ENGINEER, OWNERS REPRESENTATIVE, & THE CITY OF MARCO ISLAND PRIOR TO THE FOLLOWING ACTIVITIES:
- A. COMMENCEMENT.
- B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT.
- C. WATER SYSTEM/RAW WATER SYSTEM
1. HOT TAPS
2. PRESSURE TEST
3. CHLORINATION OF WATER LINES
4. FLUSHINGS
5. BACTERIOLOGICAL SAMPLINGS
6. FINAL CONNECTION OF NEW MAINS
7. FINAL ABANDONMENT OF EX. MAINS
8. WATER SERVICE & WATER METER SWITCH OVER
9. BACKFLOW DEVICE INSTALLATION
- 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 PROPOSED PROJECT SHALL BE CONSTRUCTED IN PHASES TO MAINTAIN EXISTING WATER SERVICE AT ALL TIMES, EXCEPT DURING INDIVIDUAL WATER SERVICE SWITCH OVER. EXISTING WATER SERVICE SWITCH OVERS SHALL BE COORDINATED IN ADVANCE WITH THE PROPERTY OWNER AND THE CITY.
7. A PROPOSED PHASING PLAN HAS BEEN SHOWN ON THE PLANS. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE PLAN FOR CITY CONSIDERATION.

TRAFFIC CONTROL NOTES:

1. 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" DATED JULY 2023 INDEX 102.
2. 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 OR HOLIDAYS.
3. PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED IN SUCH A WAY THAT WILL AVOID OBSTRUCTION OF OR CONFLICT WITH EXISTING SIGNS.
4. 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 TRAFFIC AS NEEDED.
5. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET.
6. 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.

LEGEND

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

ABBREVIATIONS:

AI	AERATED INFLUENT	INV	INVERT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IQ	IRRIGATION QUALITY
APT	APARTMENT	L	LEFT OF CENTERLINE
ARV	AIR RELEASE VALVE	LBE	LANDSCAPE BUFFER EASEMENT
ASFT	AERATED SLUDGE FEED TANK	LF	LINEAR FEET
ASHT	AERATED SLUDGE HOLDING TANK	LN	LANE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL	MAX	MAXIMUM
AVE	AVENUE	MH	MANHOLE
AWWA	AMERICAN WATER WORKS ASSOCIATION	MIN	MINIMUM
BE	BURIED ELECTRIC	MJ	MECHANICAL JOINT
BLVD	BOULEVARD	MLP	METAL LIGHT POLE
B/L	BASE LINE	NO.	NUMBER
BM	BENCH MARK	NTS	NOT TO SCALE
BT	BURIED TELEPHONE	OBG	OPTIONAL BASE GROUP
BV	BUTTERFLY VALVE	OC/EW	ON CENTER EACH WAY
CA	ASBESTOS CEMENT	PGL	PROFILE GRADE LINE
CC	CENTER TO CENTER	PL	PLACE
CI	CAST IRON	PPW	POWER POLE WOOD
CL	CLASS/CENTERLINE	PPC	POWER POLE CONCRETE
CLY	CLAY	PSI	PER SQUARE INCH
CLO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	PVMT	PAVEMENT
CORP.	CORPORATION	R	RIGHT OF CENTERLINE
CP	CONTROL PANEL	RAS	RETURN ACTIVATED SLUDGE
CT	COURT	RCP	REINFORCED CONCRETE PIPE
CTS	COPPER TUBE SIZE	RD	ROAD
CUE	COLLIER UTILITY EASEMENT	RED.	REDUCER
DFM	DRAINAGE FORCE MAIN	REQD	REQUIRED
D.I.P.	DUCTILE IRON PIPE	RMJ	RESTRAINED MECHANICAL JOINT
DIA	DIAMETER	RW/R.O.W.	RIGHT OF WAY
DR	DRIVE/DIMENSION RATIO	SAN	SANITARY
DRN	DRAIN	SCD	SCRUBBER DUCT
ESMT	EASEMENT	SCH	SCHEDULE
ELEV	ELEVATION	SCO	SEWER CLEANOUT
EOP	EDGE OF PAVEMENT	SDR	STANDARD DIMENSION RATIO
EQ	EQUALIZATION	SHC	SODIUM HYPOCHLORITE
EX	EXISTING	SMH	SANITARY MANHOLE
FFE	FINISH FLOOR ELEVATION	SS	SANITARY SEWER/STAINLESS STEEL
FM	FORCE MAIN	ST	STREET
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	STA	STATION
FT	FEET	SW	SOLVENT WELD
FLG	FLANGED PIPE FITTING	SW	SIDEWALK
FO	FIBER OPTIC	TCE	TEMPORARY CONSTRUCTION EASEMENT
GALV	GALVANIZED	TYP	TYPICAL
GD	GRAVITY DRAIN	UE	UNDERGROUND ELECTRIC
GV	GATE VALVE	VCP	VITRIFIED CLAY PIPE
HDPE	HIGH–DENSITY POLYETHYLENE	WAS	WASTE ACTIVATED SLUDGE
		WM	WATER METER/WATER MAIN

DRAWING CURRENT AS OF: 1/24/24

FDOT NO.: 448127–1–58–01

LETTER	REVISIONS	DATE

Collier Blvd.
Bike Lane



City of
Marco Island



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GENERAL NOTES

CAD FILE NAME:	DRAWING NO.:
.	BASE
HM PROJECT NO.:	SHEET NO.:
2022101	2

PROJECT SUMMARY OF PAY ITEMS			
ITEM NUMBER	ITEM DESCRIPTION	UNITS	QUANTITY
1	4" PVC, DR-18 C-900	LF	24
2	6" PVC, DR-18 C-900	LF	59
3	8" PVC, DR-18 C-900	LF	833
4	12" PVC, DR-18 C-900	LF	1725
5	4" GATE VALVE	EA	3
6	6" GATE VALVE	EA	4
7	8" GATE VALVE	EA	6
8	12" GATE VALVE	EA	14
9	4" AC PIPE REMOVE	LF	300
10	6" AC PIPE REMOVE	LF	1030
11	12" AC PIPE REMOVE	LF	1020
12	4" AC PIPE GROUT & ABANDON	LF	300
13	12" AC PIPE GROUT & ABANDON	LF	140
14	MISC. WATER PIPE ABANDON	LS	1
15	FIRE HYDRANT ASSEMBLY	EA	8
16	TEMP. WM JUMPER FINAL CONN.	EA	2
17	4" FLUSHING PORT, BSV/FINAL	EA	1
18	6" FLUSHING PORT, BSV, FINAL	EA	3
19	8" FLUSHING PORT, BSV, FINAL	EA	2
20	12" FLUSHING PORT,BSV, FINAL	EA	3
21	CONNECTION FOR 87 N COLLIER	LS	1
22	SINGLE WATER SERVICE (SHORT)	EA	2
23	DOUBLE WATER SERVICE (SHORT)	EA	13

PROJECT SUMMARY OF PAY ITEMS			
ITEM NUMBER	ITEM DESCRIPTION	UNITS	QUANTITY
24	DOUBLE WATER SERVICE (LONG)	EA	1
25	METER BOXES	EA	30
26	ADDITIONAL 6" WM DEFLECTION	EA	1
27	ADDITIONAL 8" WM DEFLECTION	EA	1
28	ADDITIONAL 10" WM DEFLECTION	EA	1
29	ADDITIONAL 12" WM DEFLECTION	EA	1

LETTER	REVISIONS	DATE

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SUMMARY OF PAY ITEMS
SEGMENT #1 (BID ALTERNATE #1)

FDOT NO.: 448127-1-58-01	
CAD FILE NAME: .	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 3A

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PROJECT SUMMARY OF PAY ITEMS			
ITEM NUMBER	ITEM DESCRIPTION	UNITS	QUANTITY
1	4" PVC, DR-18 C-900	LF	116
2	6" PVC, DR-18 C-900	LF	202
3	8" PVC, DR-18 C-900	LF	3933
4	10" PVC, DR-18 C-900	LF	352
5	12" PVC, DR-18 C-900	LF	193
6	4" GATE VALVE	EA	3
7	6" GATE VALVE	EA	4
8	8" GATE VALVE	EA	16
9	10" GATE VALVE	EA	5
10	12" GATE VALVE	EA	2
11	4" AC PIPE REMOVE	LF	100
12	6" AC PIPE REMOVE	LF	192
13	8" AC PIPE REMOVE	LF	3120
14	10" AC PIPE REMOVE	LF	73
15	12" AC PIPE REMOVE	LF	30
16	4" AC PIPE GROUT & ABANDON	LF	130
17	8" AC PIPE GROUT & ABANDON	LF	600
18	10" AC PIPE GROUT & ABANDON	LF	270
19	12" AC PIPE GROUT & ABANDON	LF	60
20	MISC. WATER PIPE ABANDON	LS	1
21	FIRE HYDRANT ASSEMBLY	EA	9
22	TEMP. WM JUMPER FINAL CONN.	EA	2
23	4" FLUSHING PORT, BSV/FINAL	EA	4
24	6" FLUSHING PORT, BSV, FINAL	EA	3
25	8" FLUSHING PORT, BSV, FINAL	EA	2
26	10" FLUSHING PORT, BSV, FINAL	EA	1
27	SINGLE WATER SERVICE (SHORT)	EA	3
28	DOUBLE WATER SERVICE (SHORT)	EA	18

PROJECT SUMMARY OF PAY ITEMS			
ITEM NUMBER	ITEM DESCRIPTION	UNITS	QUANTITY
29	DOUBLE WATER SERVICE (LONG)	EA	9
30	METER BOXES	EA	57
31	ADDITIONAL 6" WM DEFLECTION	EA	1
32	ADDITIONAL 8" WM DEFLECTION	EA	1
33	ADDITIONAL 10" WM DEFLECTION	EA	1
34	ADDITIONAL 12" WM DEFLECTION	EA	1
35	OPEN CUT REPAIR & OVERLAY	SY	164

LETTER	REVISIONS	DATE

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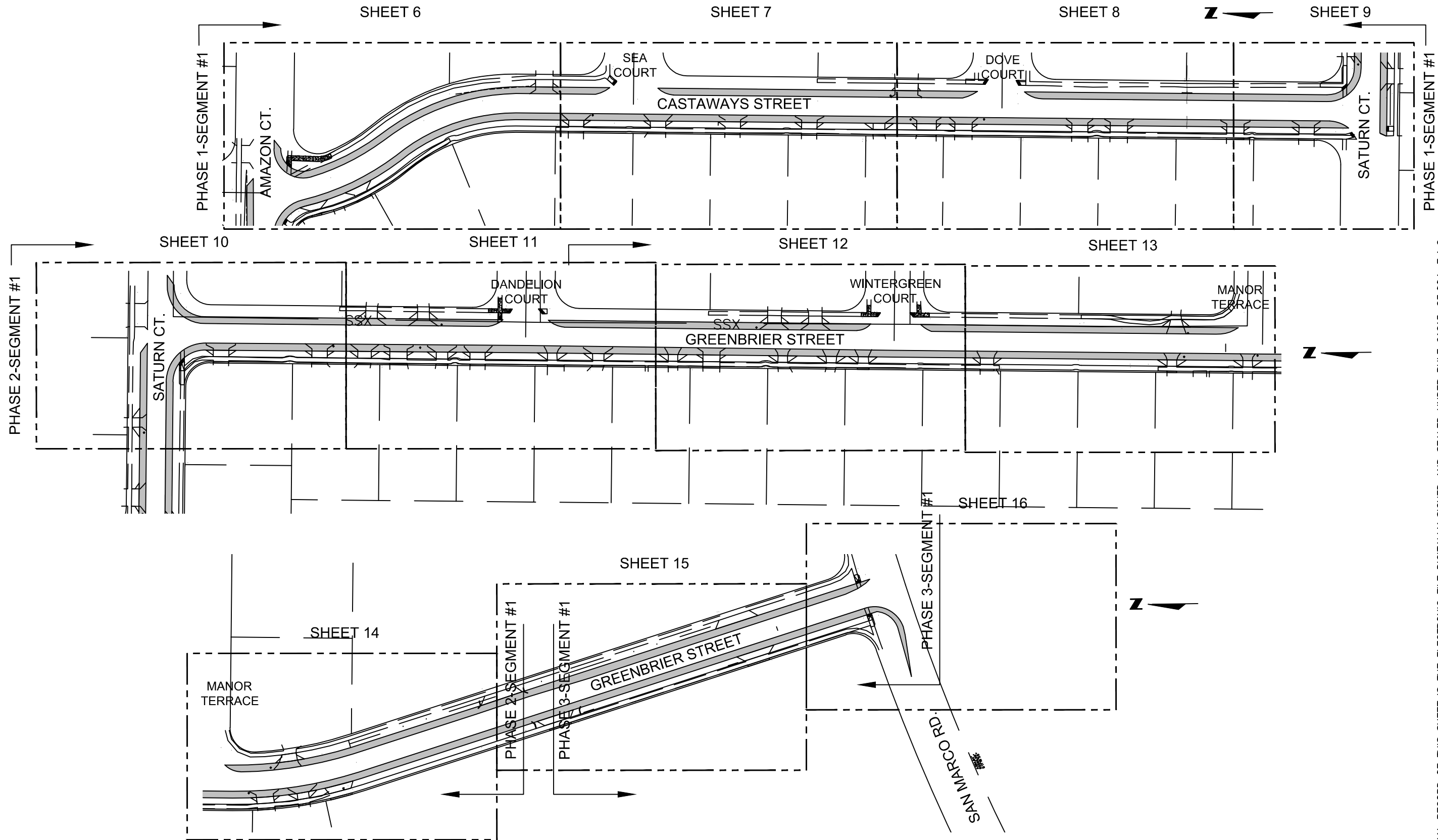


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SUMMARY OF PAY ITEMS
SEGMENT #2 (BASE BID)

FDOT NO.: 448127-1-58-01	
CAD FILE NAME: .	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 3B

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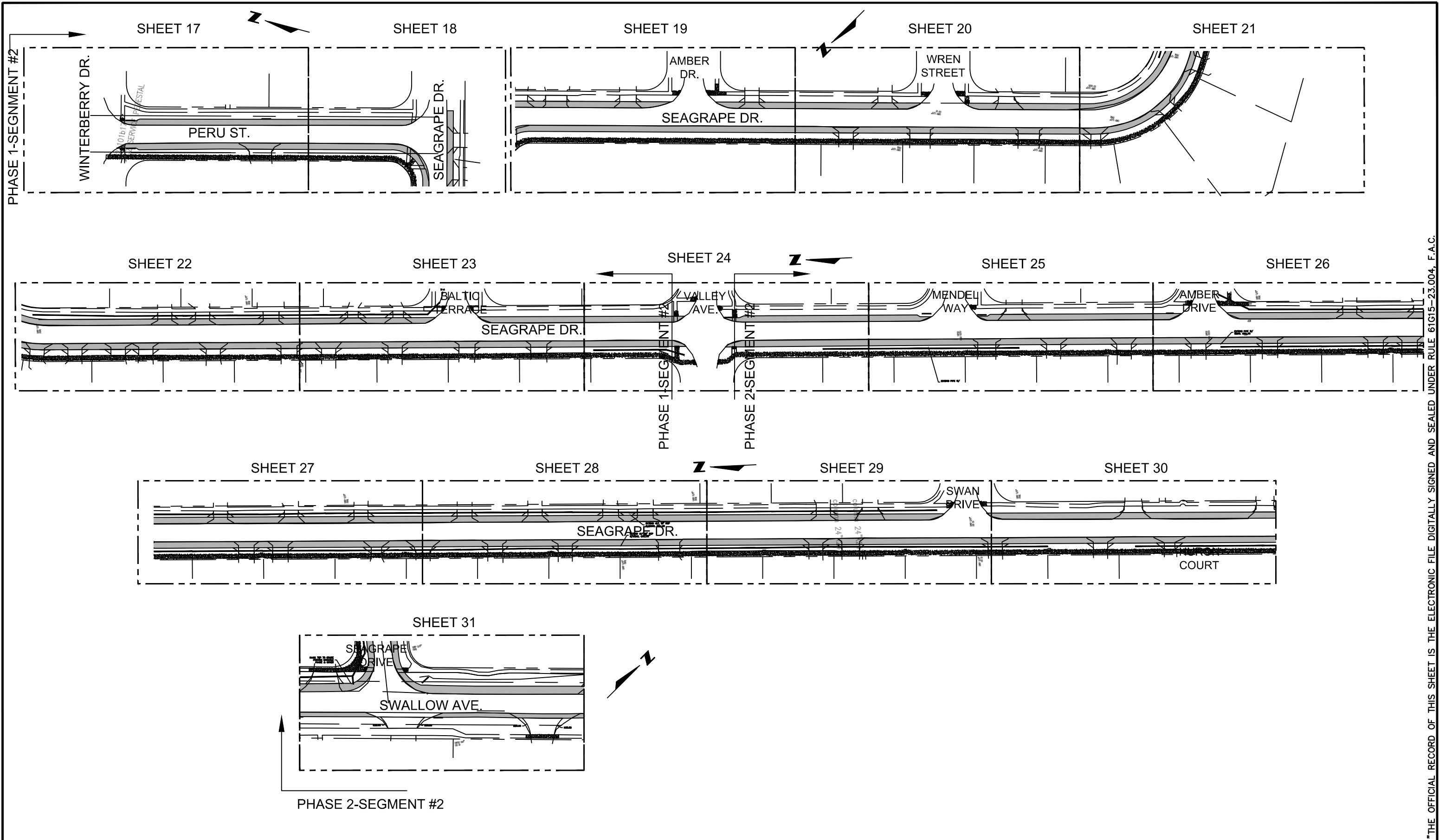
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LAYOUT SHEET-UTILITY PLAN
SEGMENT #1
(BID ALTERNATE #1)

DRAWING CURRENT AS OF: 2/06/25

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 4



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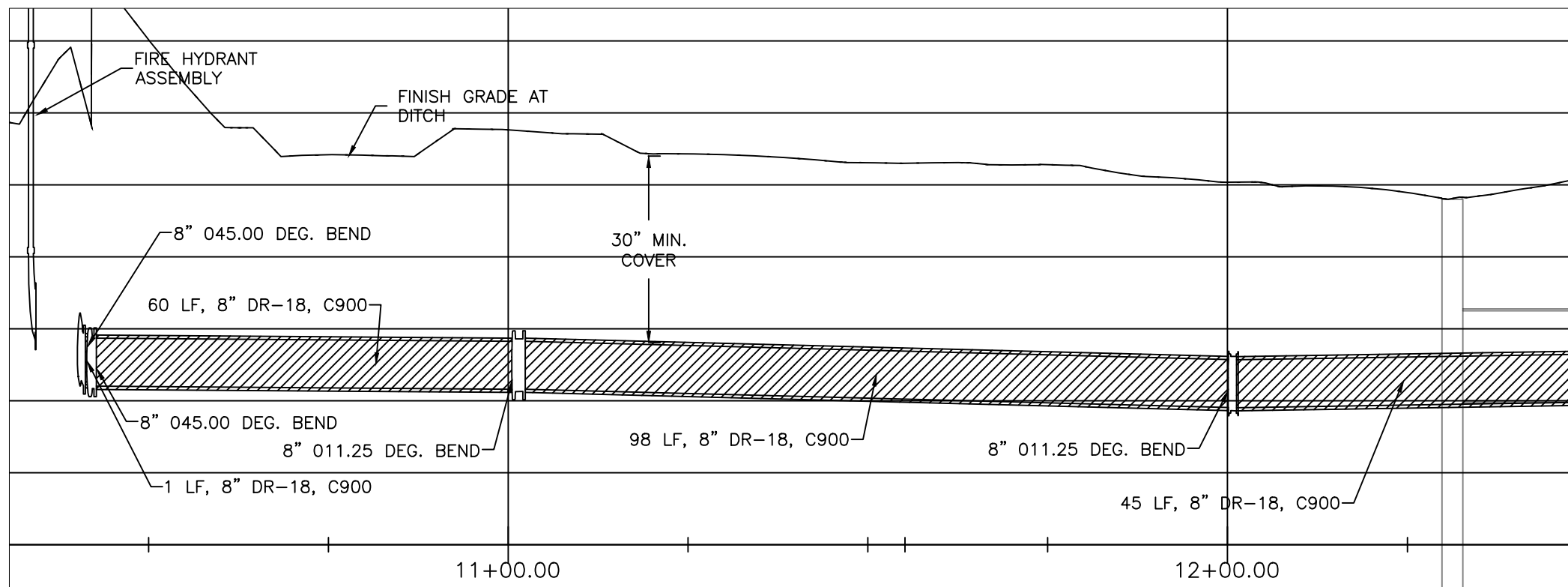
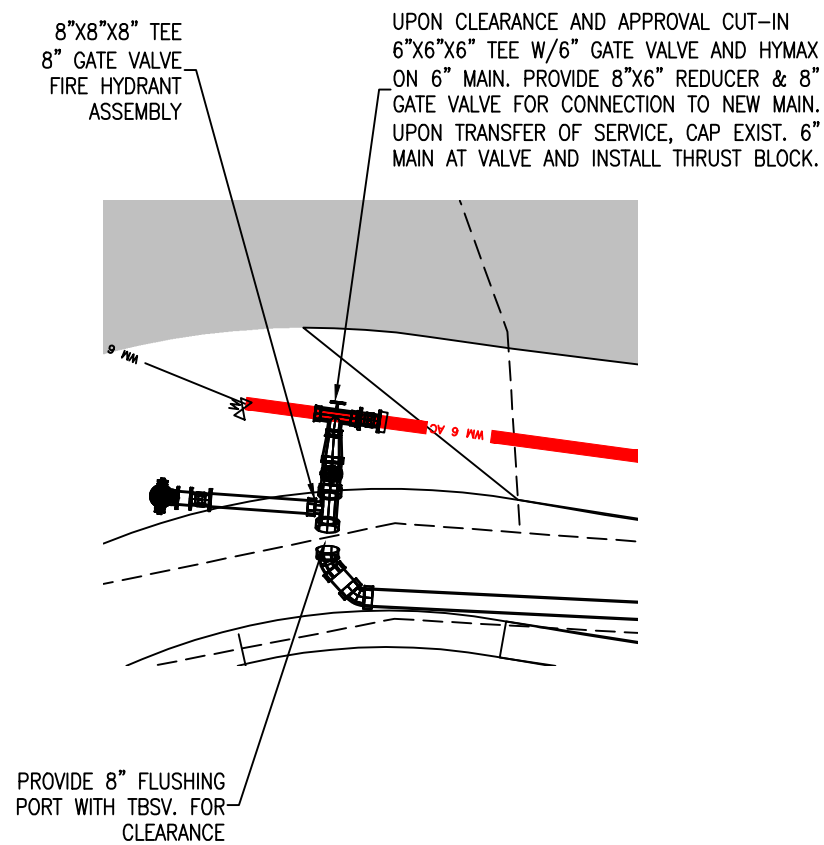
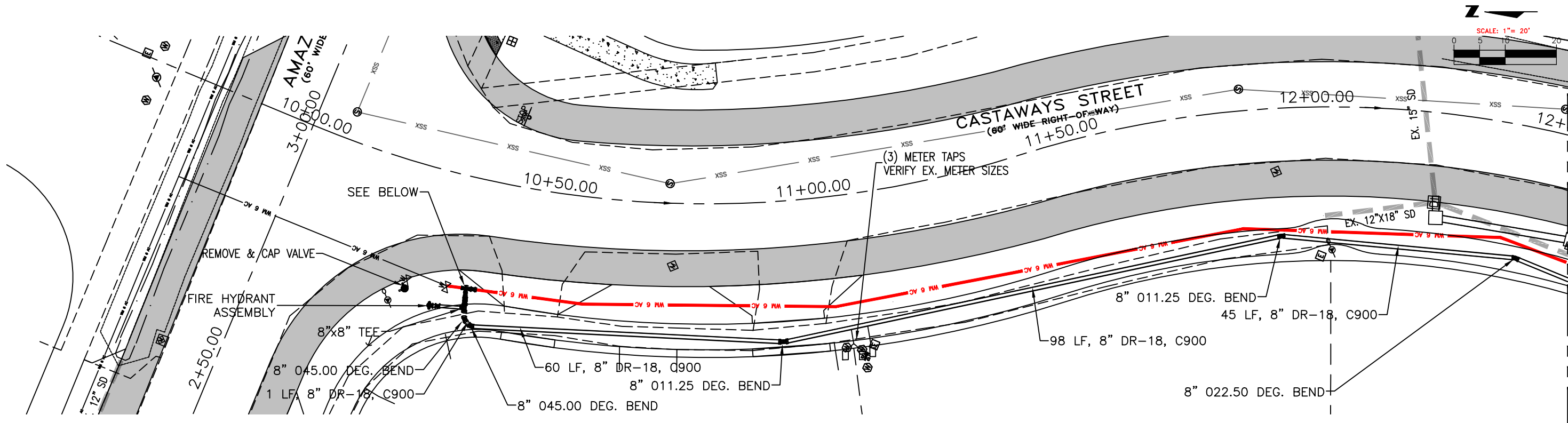


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**LAYOUT SHEET-UTILITY PLAN
SEGMENT #2
(BASE BID)**

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 5

DRAWING CURRENT AS OF: 2/06/25



LEGEND:

- AC AC WM TO BE GROUTED
- AC AC WM TO BE REMOVED
- (S) EX. SANITARY SEWER

DRAWING CURRENT AS OF: 1/21/24

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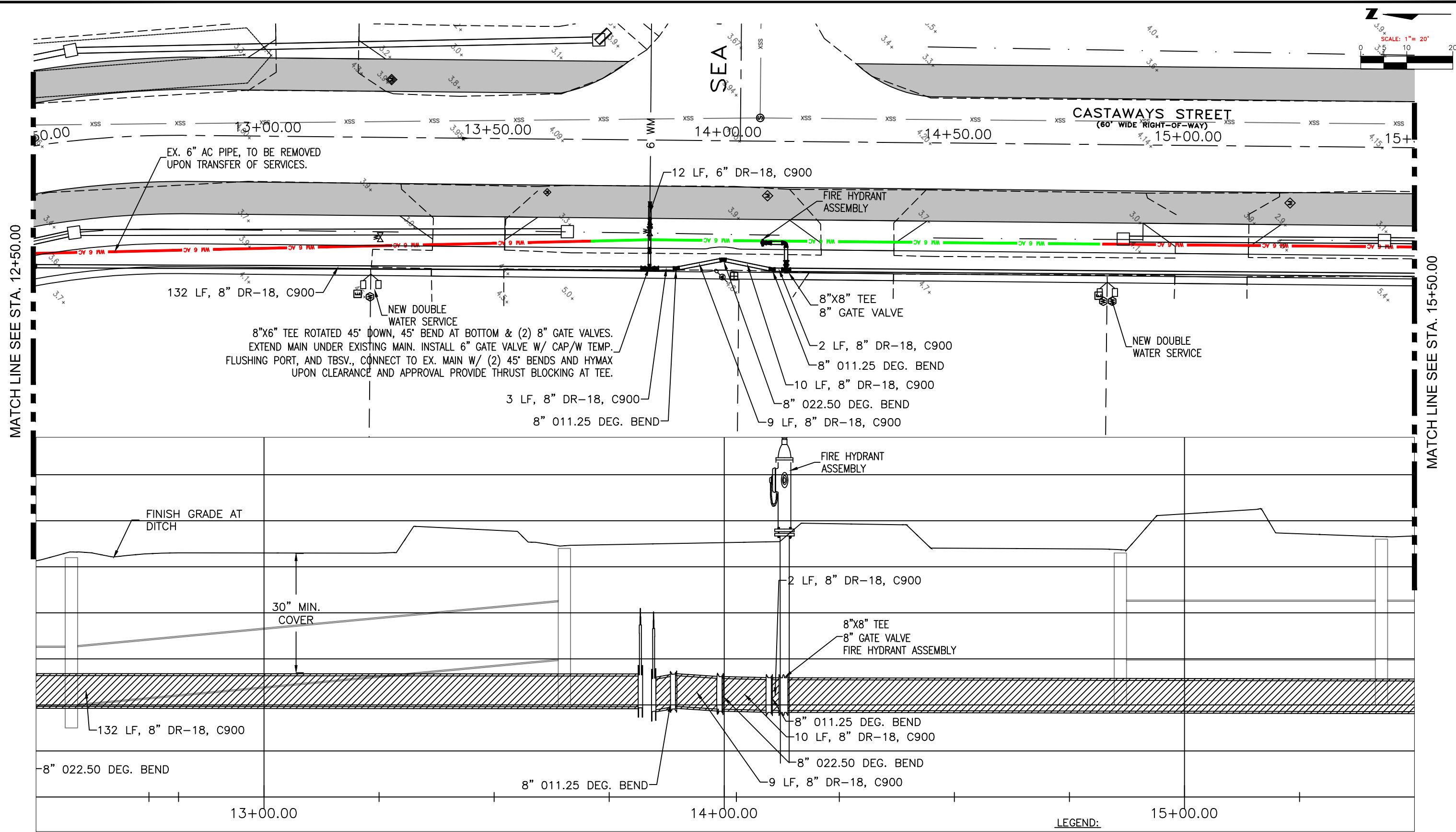
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SEGMENT #1
CASTAWAYS STREET
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 6

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MATCH LINE SEE STA. 12+50.00

MATCH LINE SEE STA. 15+50.00

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City of
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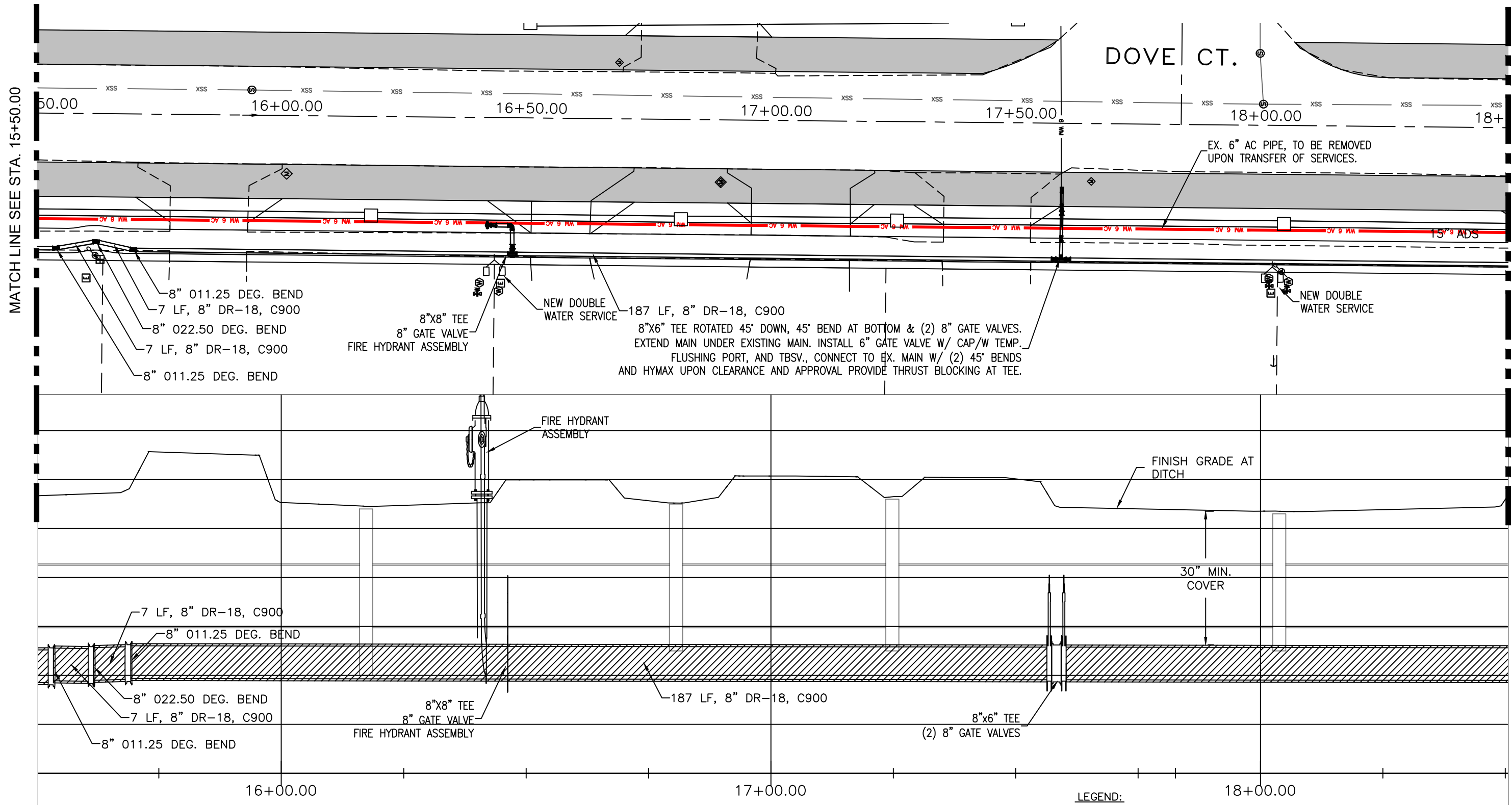
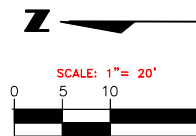


DAVID SCHMITT, P.E.
P.E. NO.: 41671
HOLE MONTES, INC.
950 ENCORE WAY
MAPLES, FL. 34110
CERTIFICATE OF AUTHORIZATION No.1772

SEGMENT #1
CASTAWAYS STREET
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 7

DRAWING CURRENT AS OF: 1/24/24



MATCH LINE SEE STA. 15+50.00

MATCH LINE SEE STA. 18+50.00
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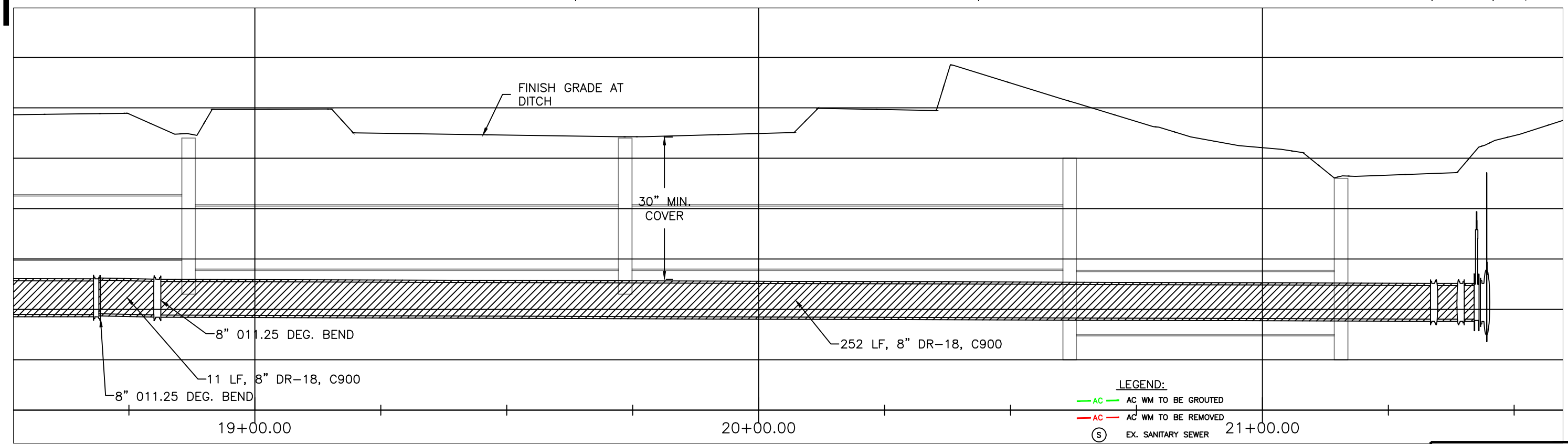
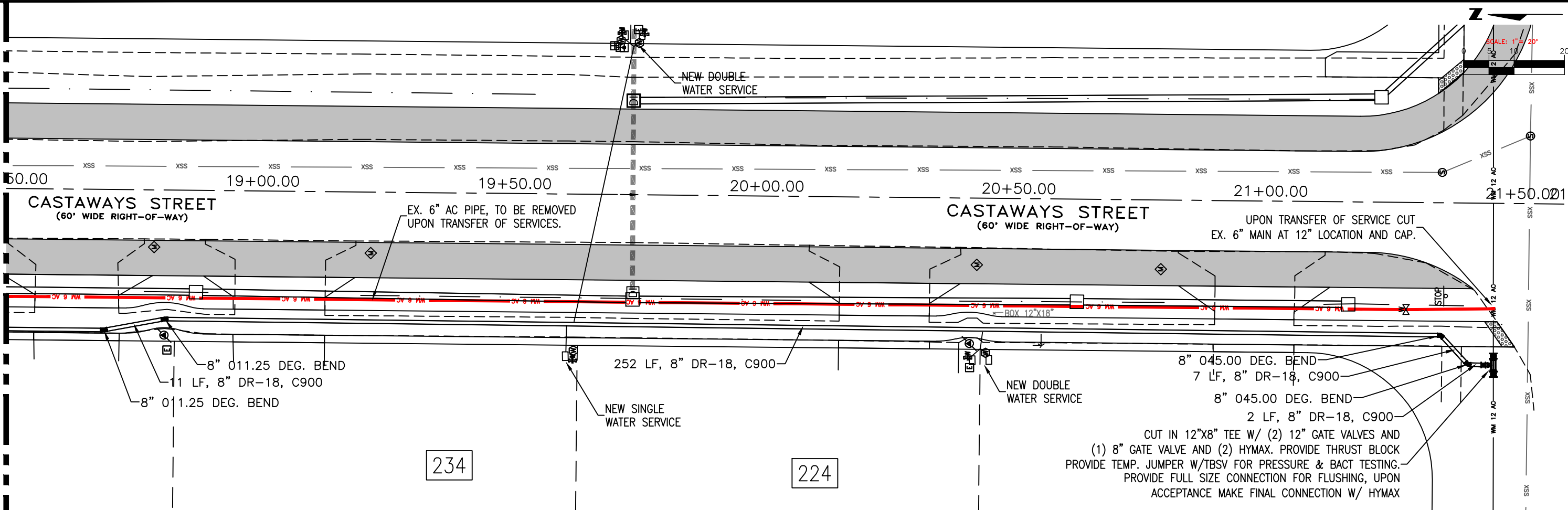
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SEGMENT #1
CASTAWAYS STREET
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
CAD FILE NAME: .	SHEET NO.: 8
HM PROJECT NO.: 2022101	

MATCH LINE SEE STA. 18+50.00



LEGEND:
— AC — AC WM TO BE GROUTED
— AC — AC WM TO BE REMOVED
(S) EX. SANITARY SEWER

DRAWING CURRENT AS OF: 2/07/25

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 9

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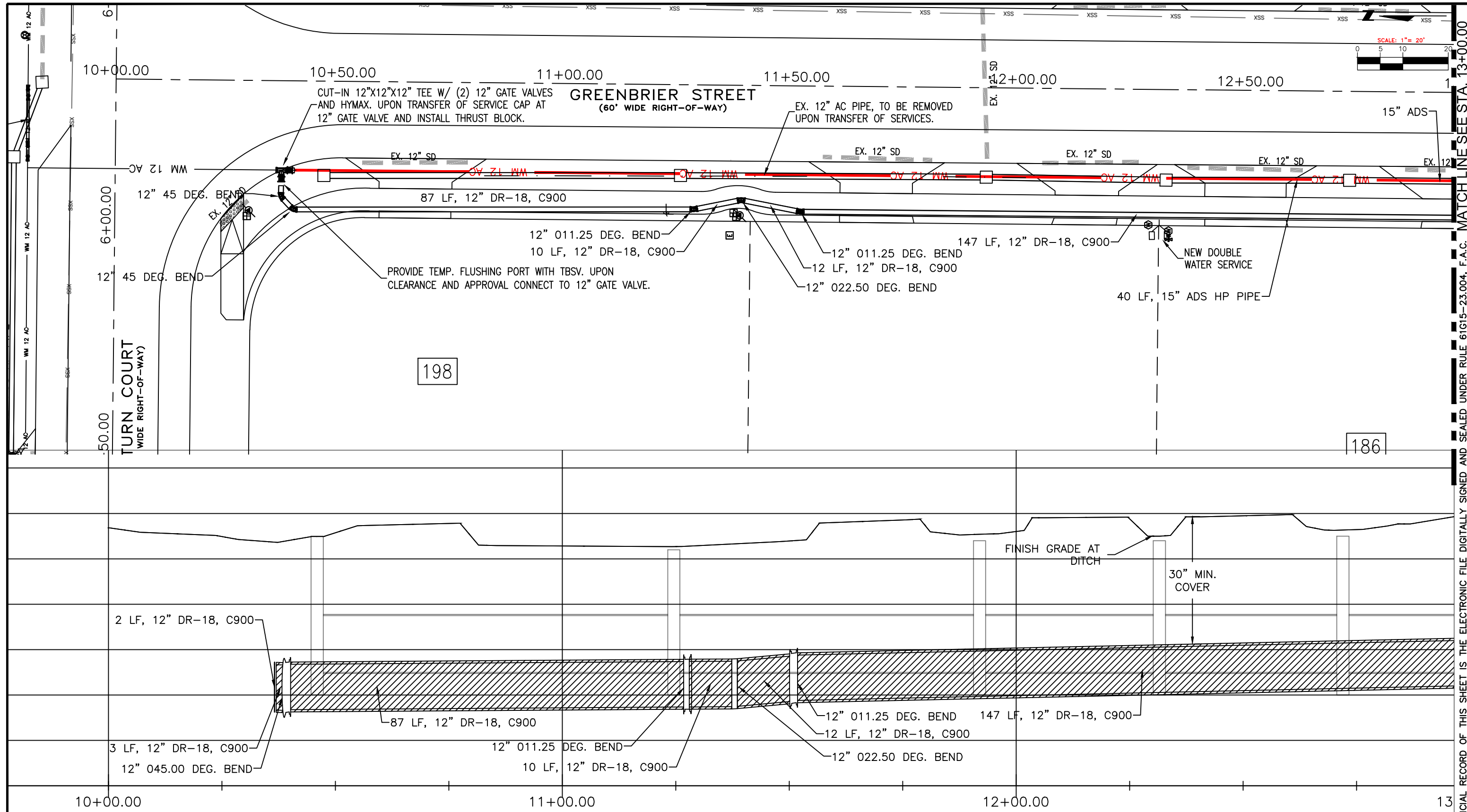
City of
Marco Island



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950 ENCORE WAY
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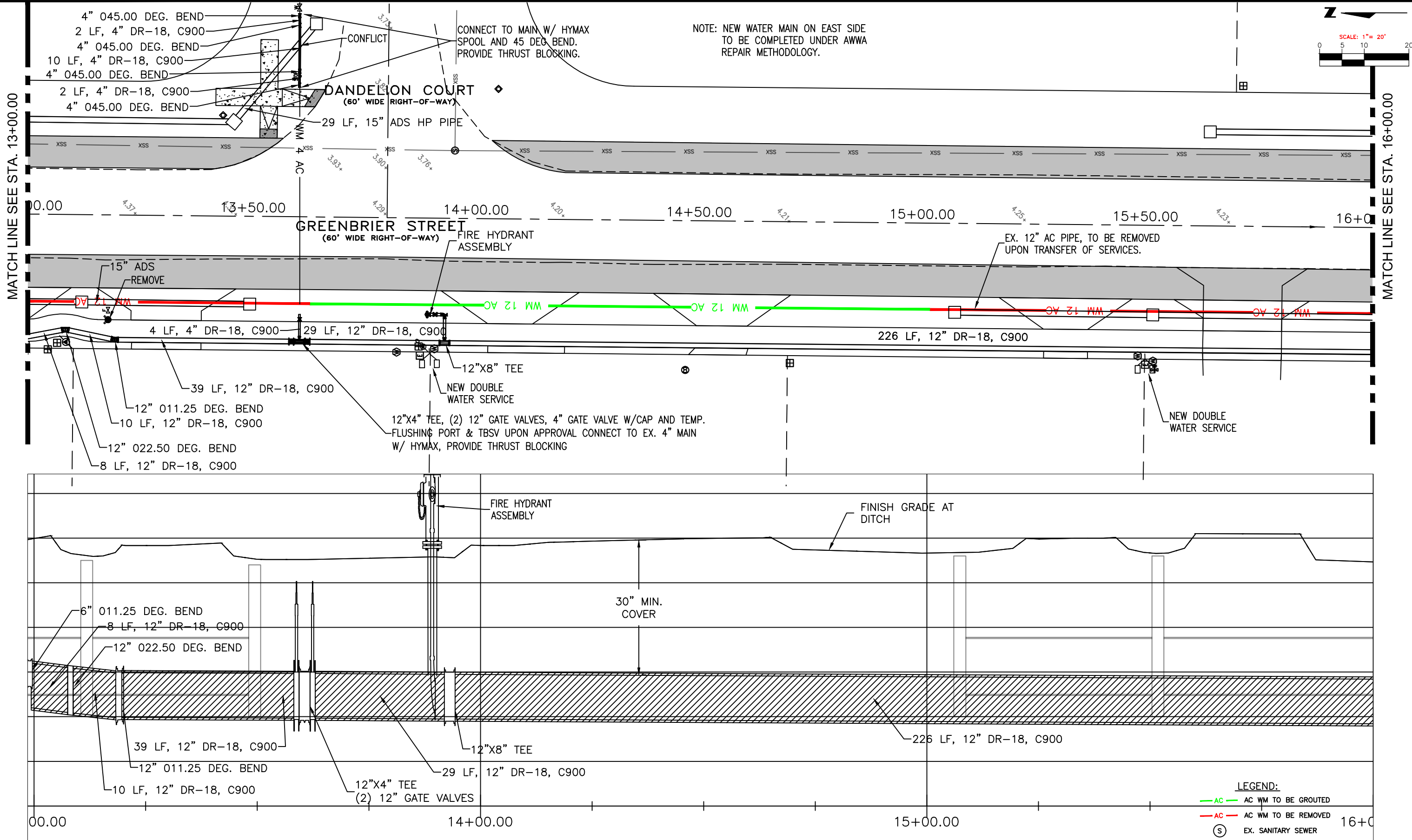
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— AC — AC WM TO BE GROUTED
— AC — AC WM TO BE REMOVED
(S) EX. SANITARY SEWER

DRAWING CURRENT AS OF: 1/24/24

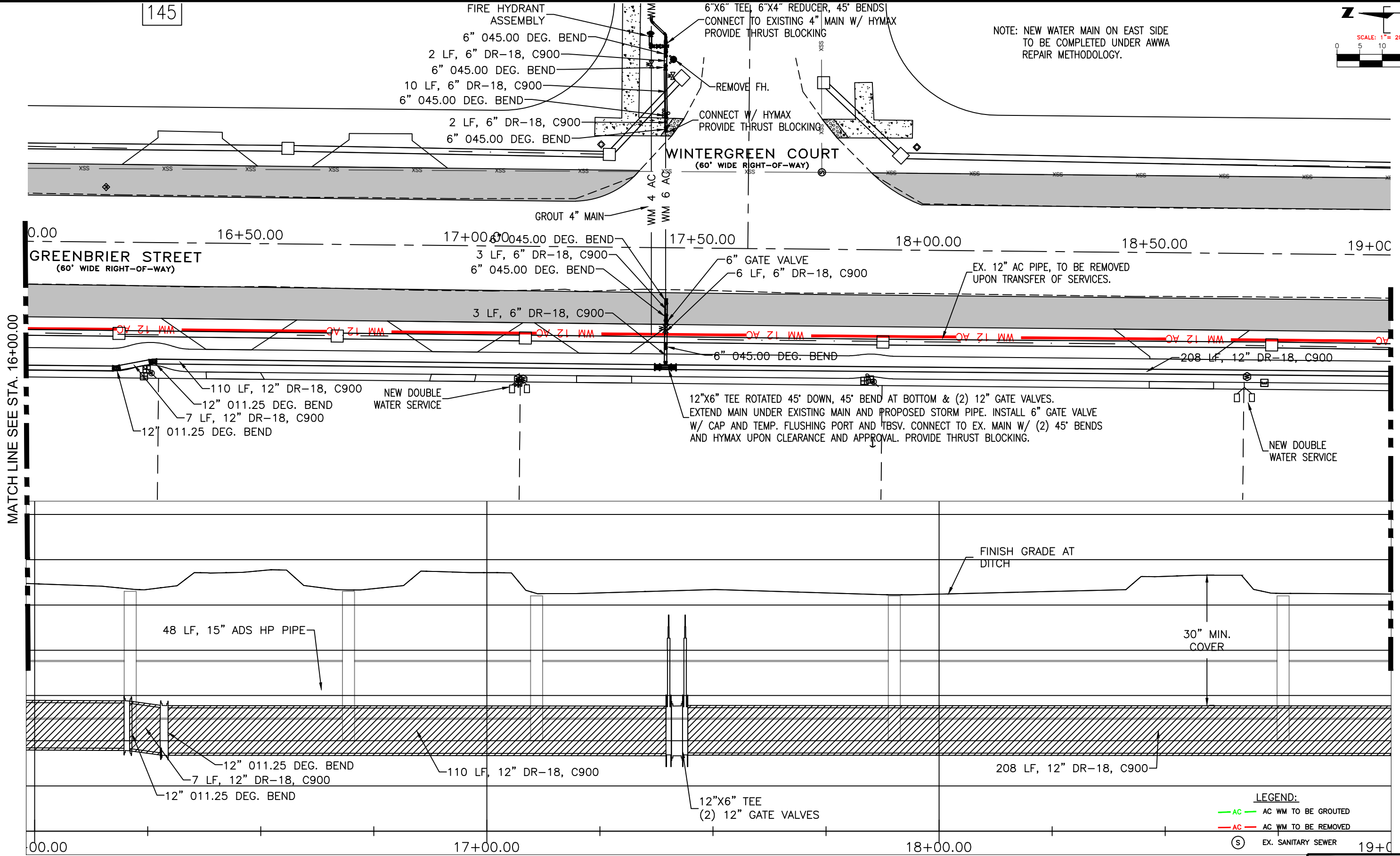
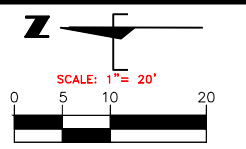


MATCH LINE SEE STA. 13+00.00

MATCH LINE SEE STA. 16+00.00

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145

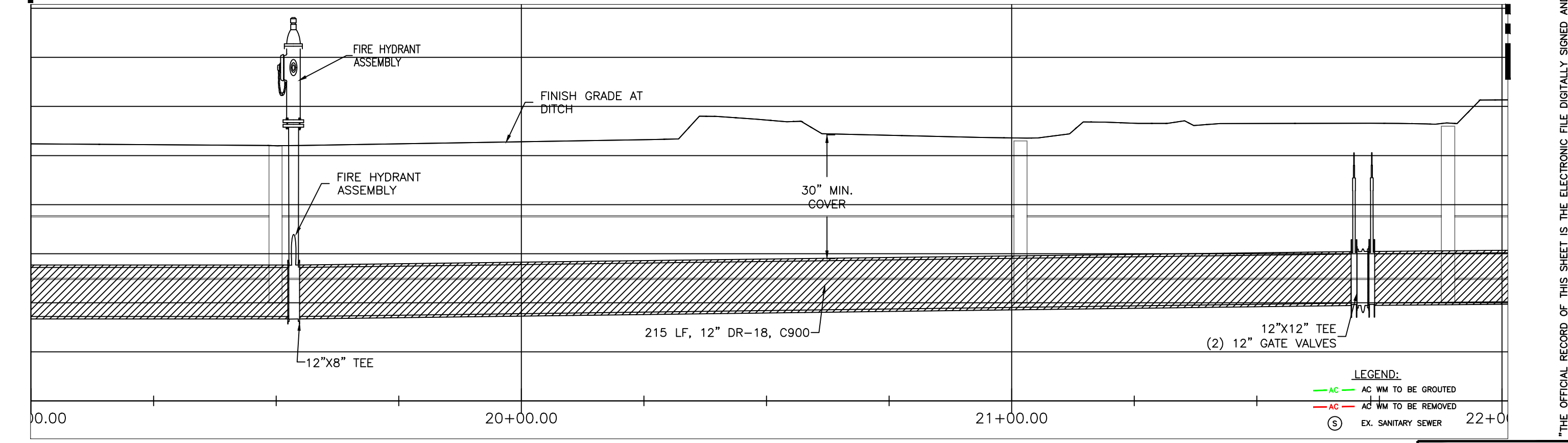
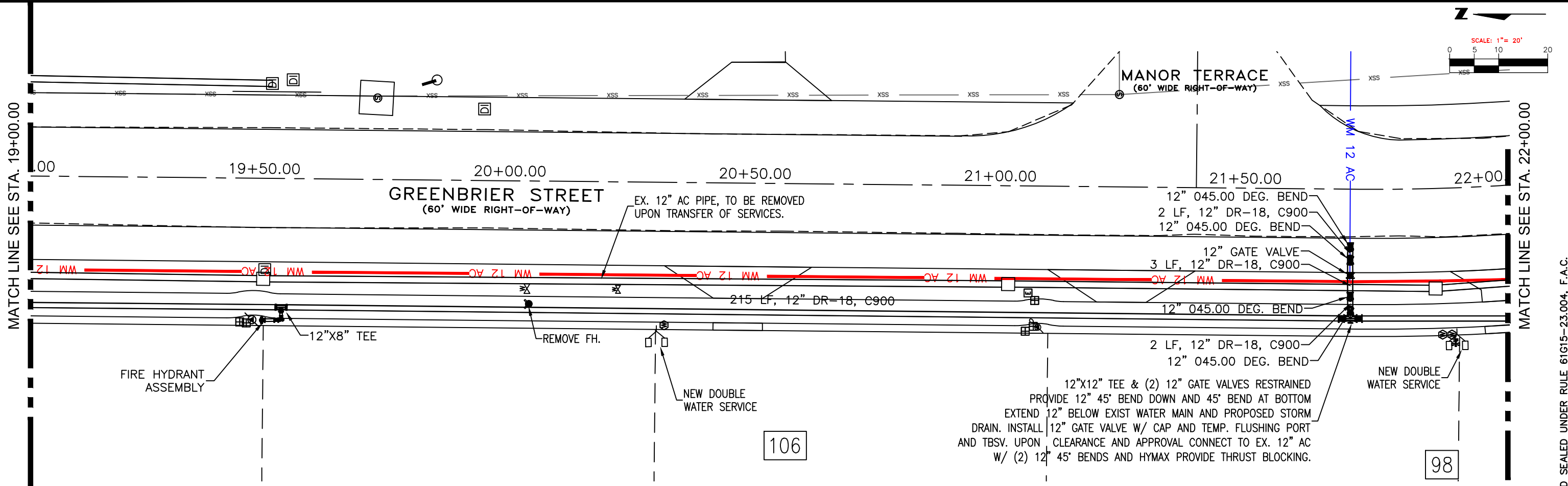


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<div>Collier Blvd. Bike Lane</div>				<div>City of Marco Island</div>	<div> HOLE MONTES a Bowman company</div>	<div>DAVID SCHMITT, P.E. P.E. NO.: 41671 HOLE MONTES, INC. 950 ENCORE WAY MAPLES, FL. 34110 CERTIFICATE OF AUTHORIZATION No.1772</div>	<div>SEGMENT #1 GREENBRIER STREET UTILITY PLAN & PROFILE</div>	<div>FDOT NO.: 448127-1-58-01 CAD FILE NAME: HM PROJECT NO.: 2022101</div>	<div>DRAWING NO.: BASE SHEET NO.: 12</div>
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MATCH LINE SEE STA. 19+00.00

MATCH LINE SEE STA. 22+00.00



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MAPLES, FL. 34110
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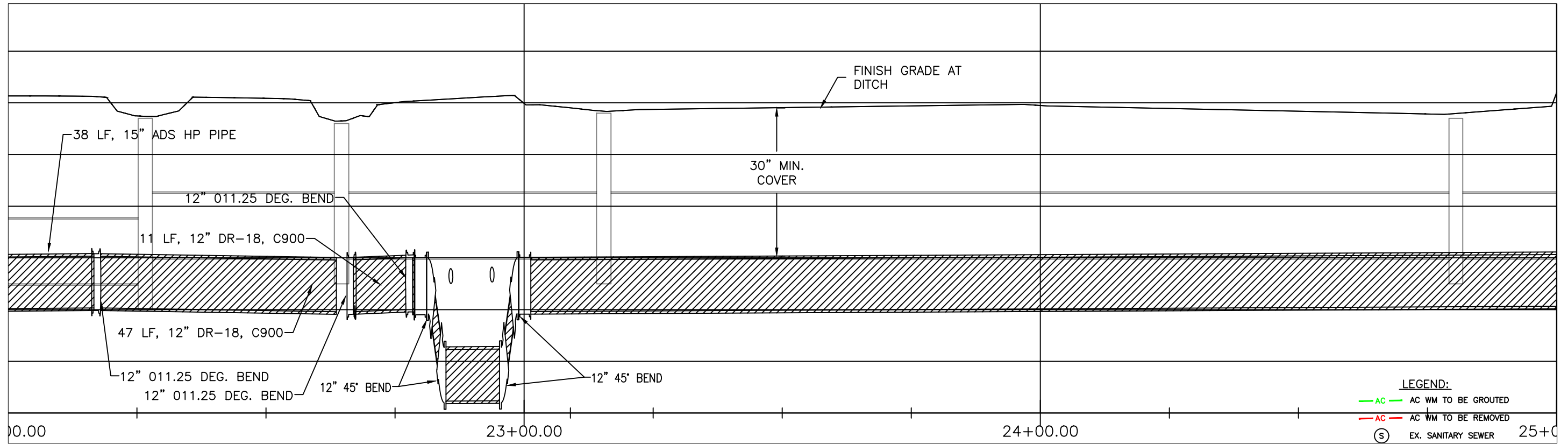
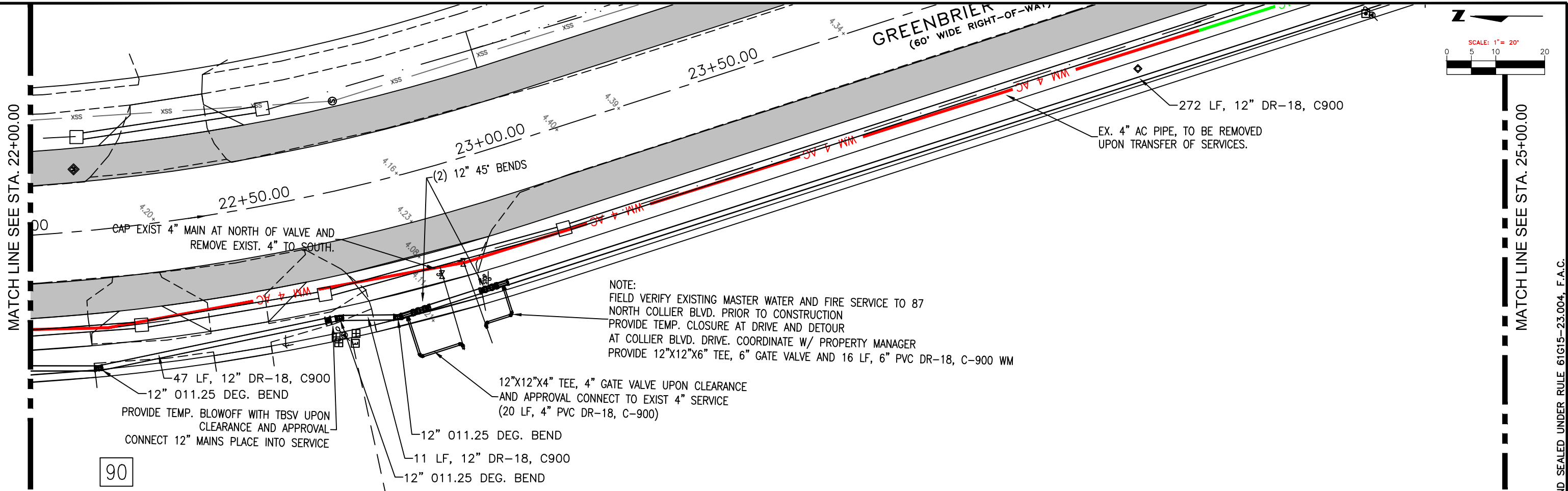
SEGMENT #1
GREENBRIER STREET
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 13	

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MATCH LINE SEE STA. 22+00.00

MATCH LINE SEE STA. 25+00.00



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FDOT NO.: 448127-1-58-01

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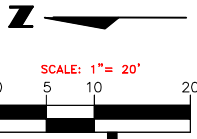
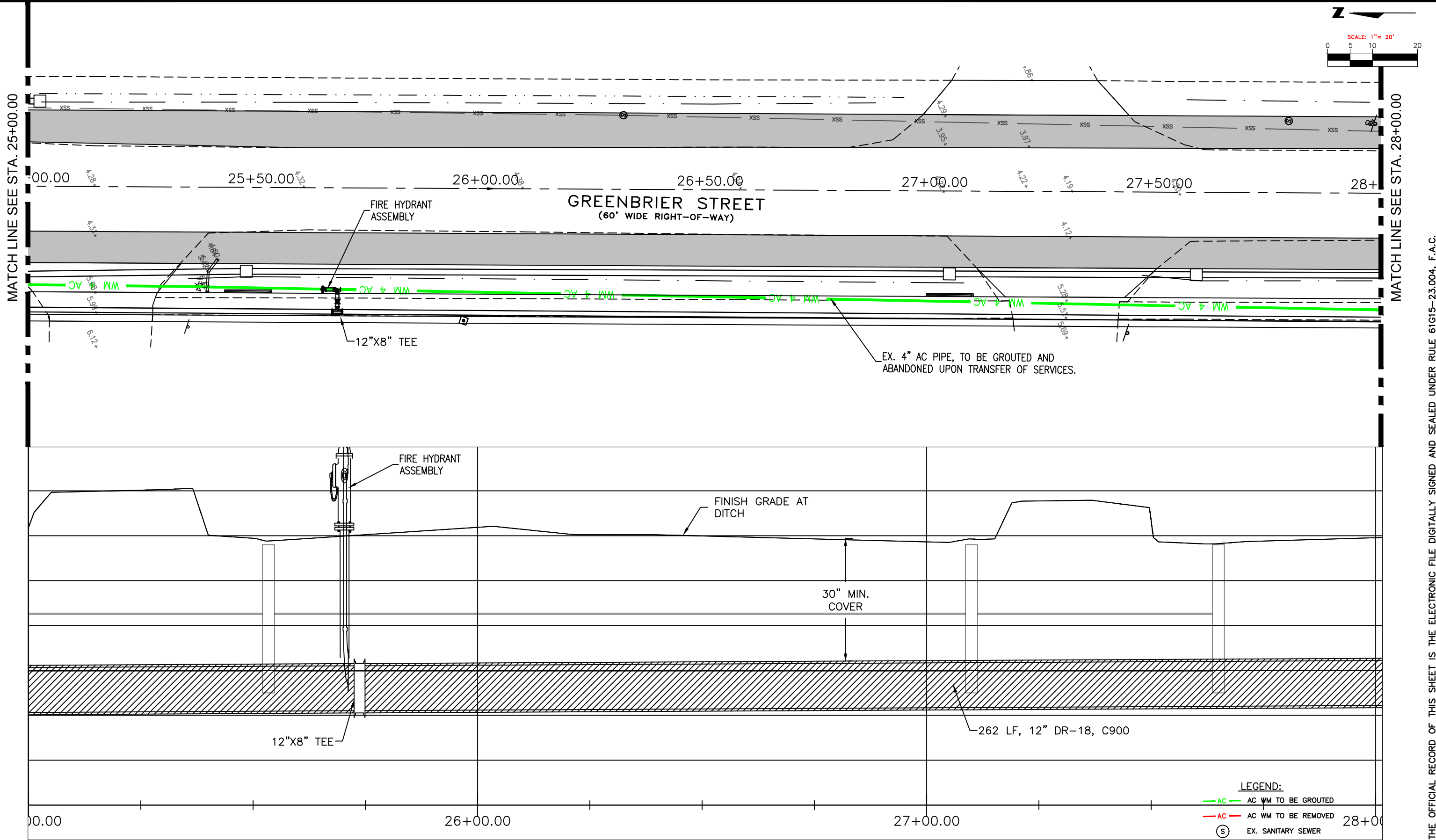
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SEGMENT #1
GREENBRIER STREET
UTILITY PLAN & PROFILE

CAD FILE NAME:	DRAWING NO.:
HM PROJECT NO.:	SHEET NO.:
2022101	14

MATCH LINE SEE STA. 25+00.00

MATCH LINE SEE STA. 28+00.00



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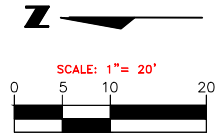
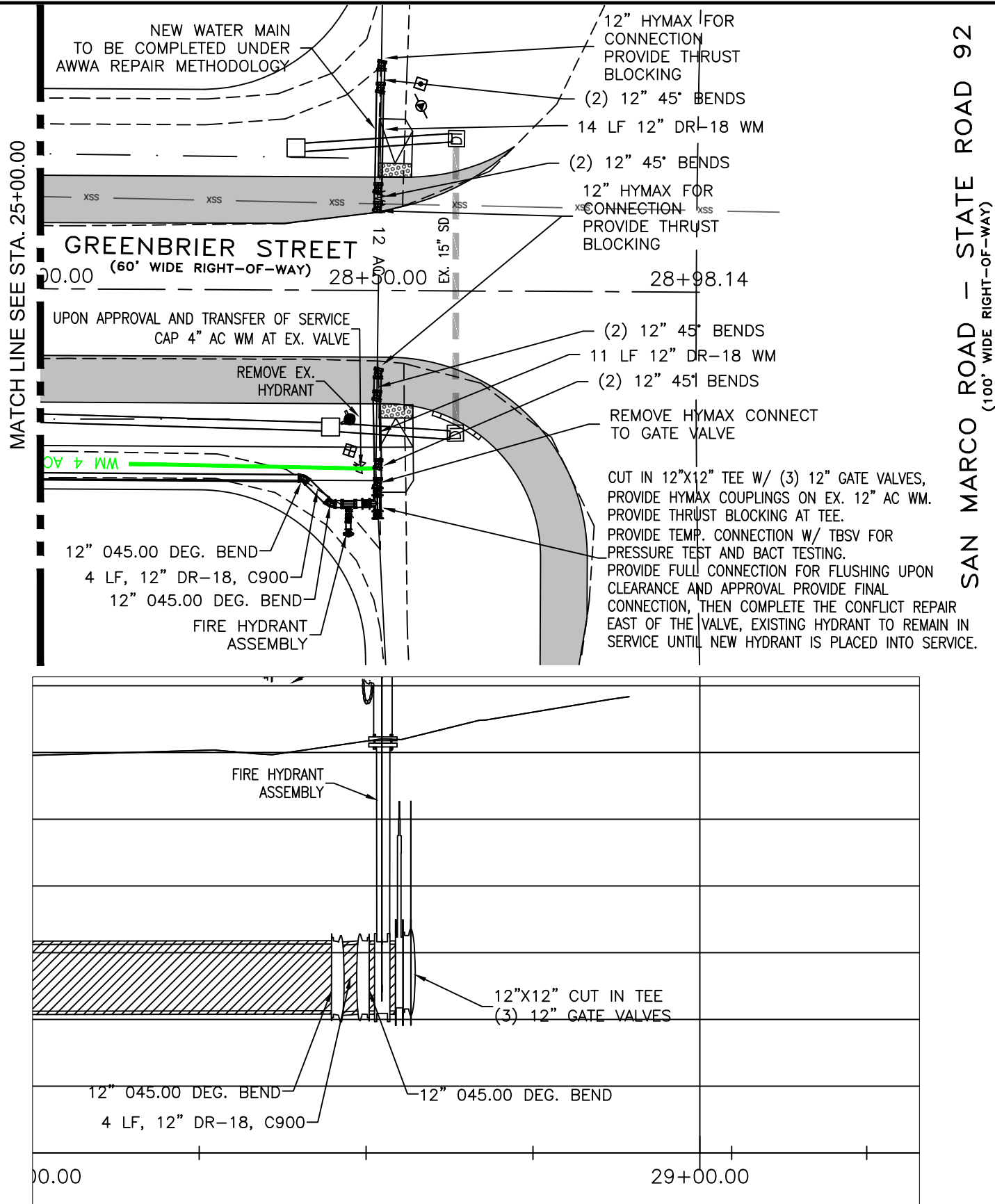
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SEGMENT #1
GREENBRIER STREET
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 15

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N:\2022\2022101\DW\Master\2022101 Marco Sidewalk WM.dwg Tab: 16 Jan 25, 2024 - 8:42am



- LEGEND:
- AC AC WM TO BE GROUTED
 - AC AC WM TO BE REMOVED
 - (S) EX. SANITARY SEWER

DRAWING CURRENT AS OF: 1/25/24

FDOT NO.: 448127-1-58-01

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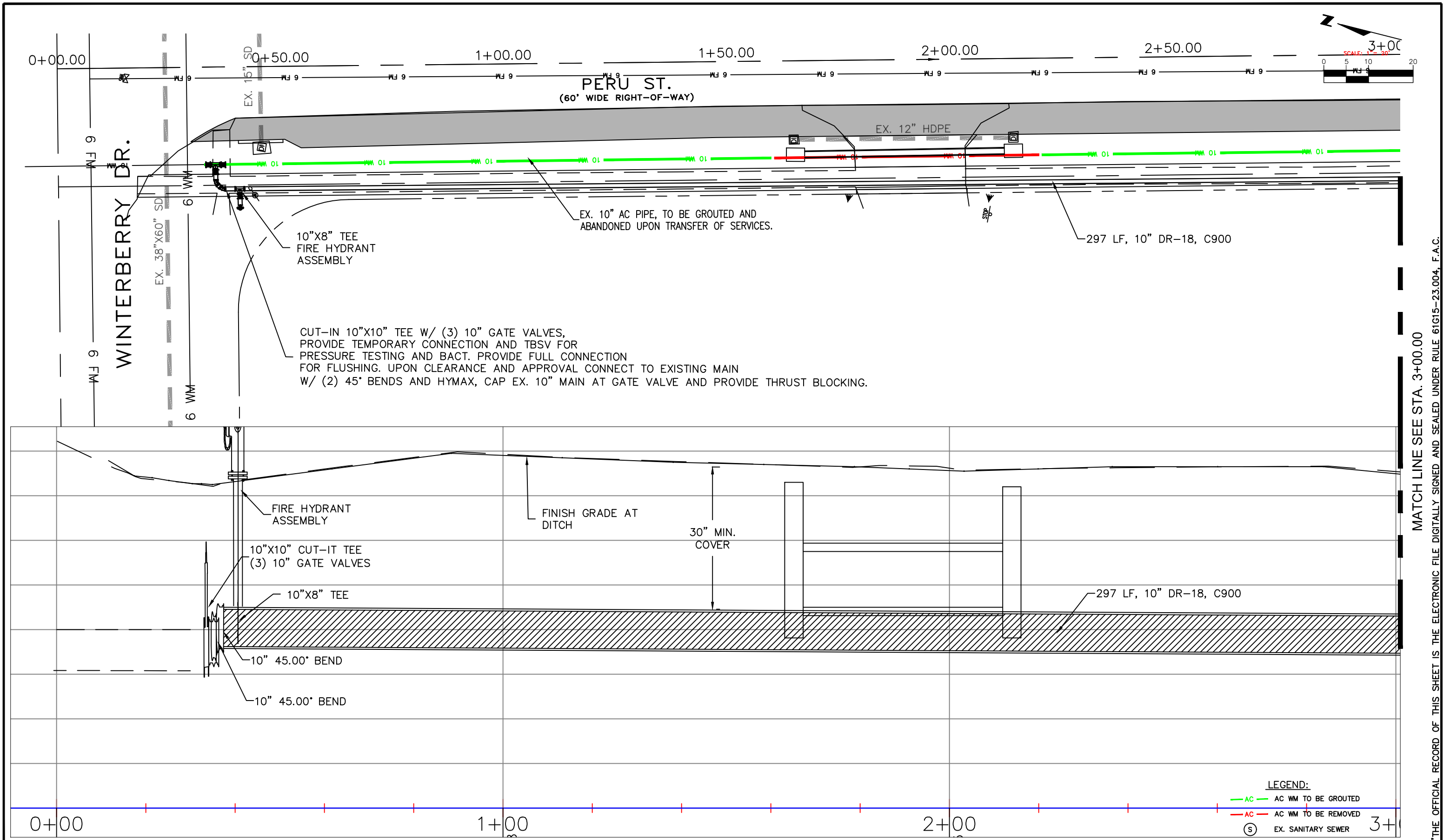


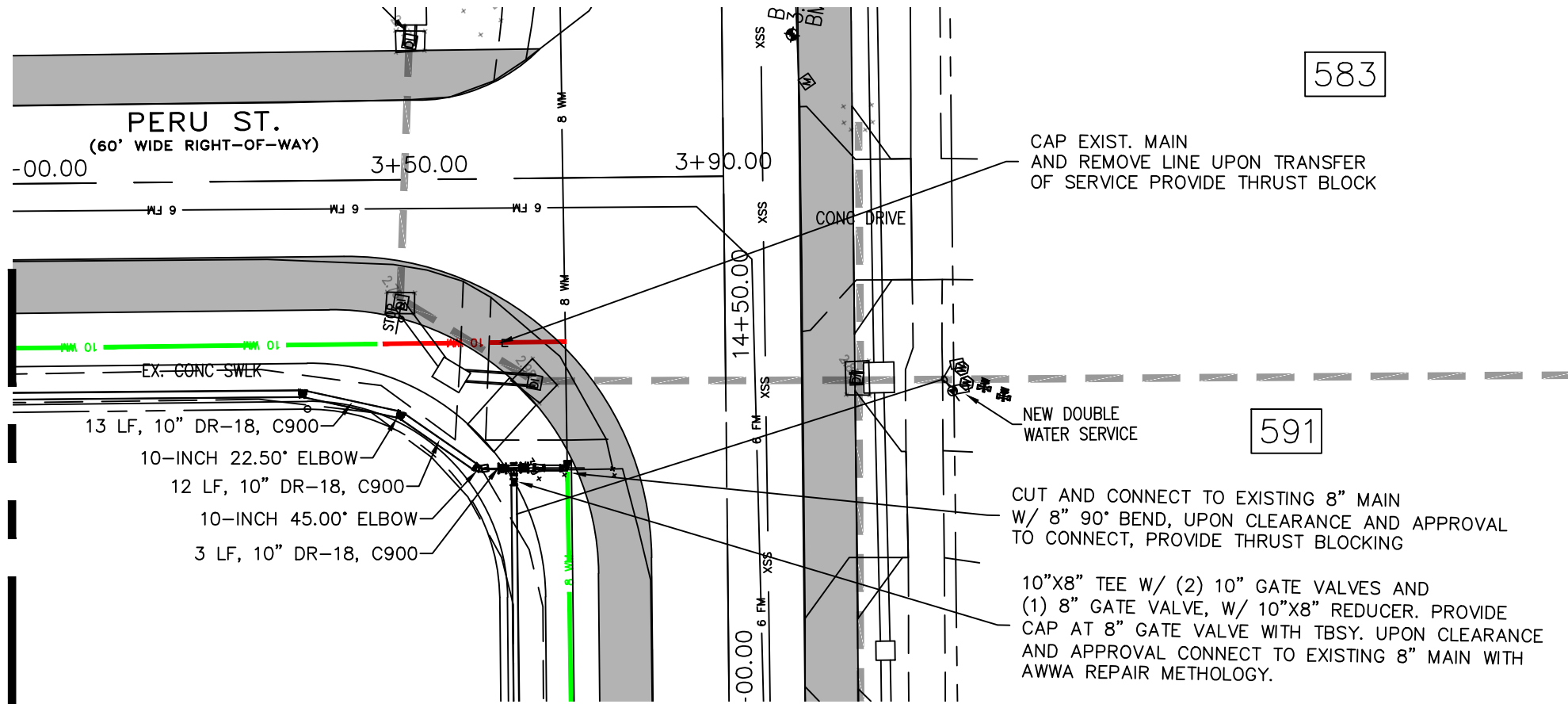
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950 ENCORE WAY
MAPLES, FL. 34110

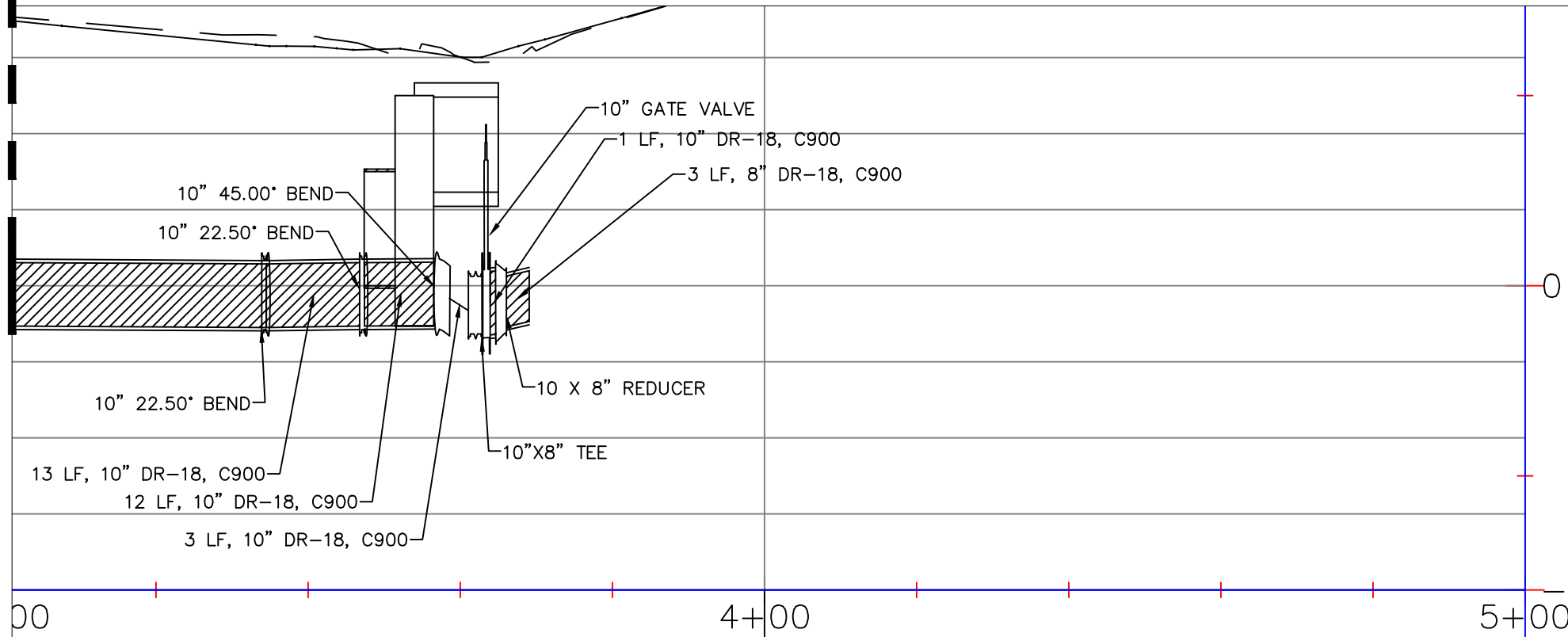
SEGMENT #1
GREENBRIER STREET
UTILITY PLAN & PROFILE

CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 16

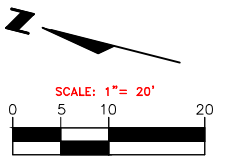




MATCH LINE SEE STA. 3+00.00



- LEGEND:**
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 - AC — AC WM TO BE REMOVED
 - (S) EX. SANITARY SEWER



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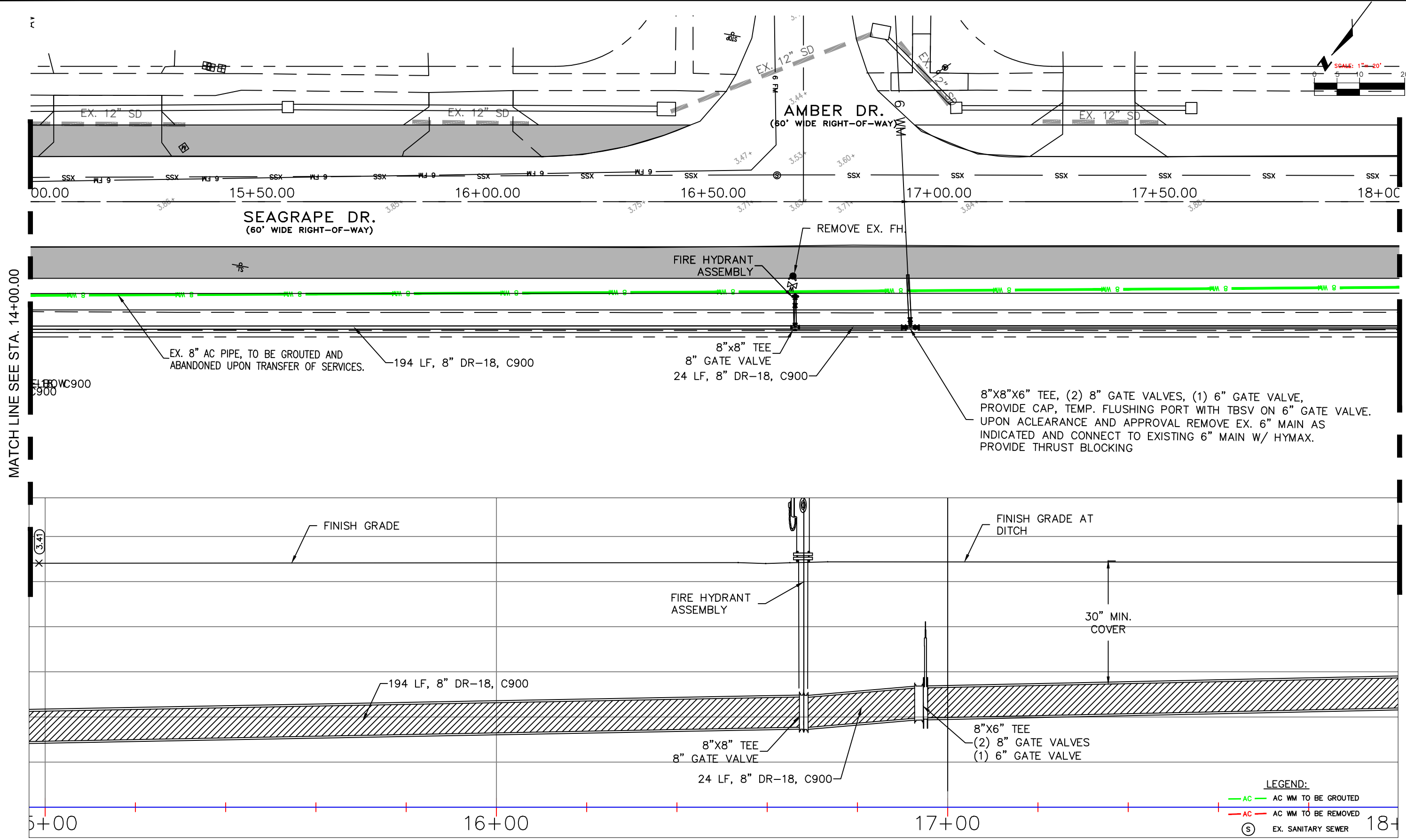


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**SEGMENT #2
PERU STREET
UTILITY PLAN & PROFILE**

DRAWING CURRENT AS OF: 1/21/24

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.:
.	BASE
HM PROJECT NO.:	SHEET NO.:
2022101	18



MATCH LINE SEE STA. 14+00.00

MATCH LINE SEE STA. 18+00.00

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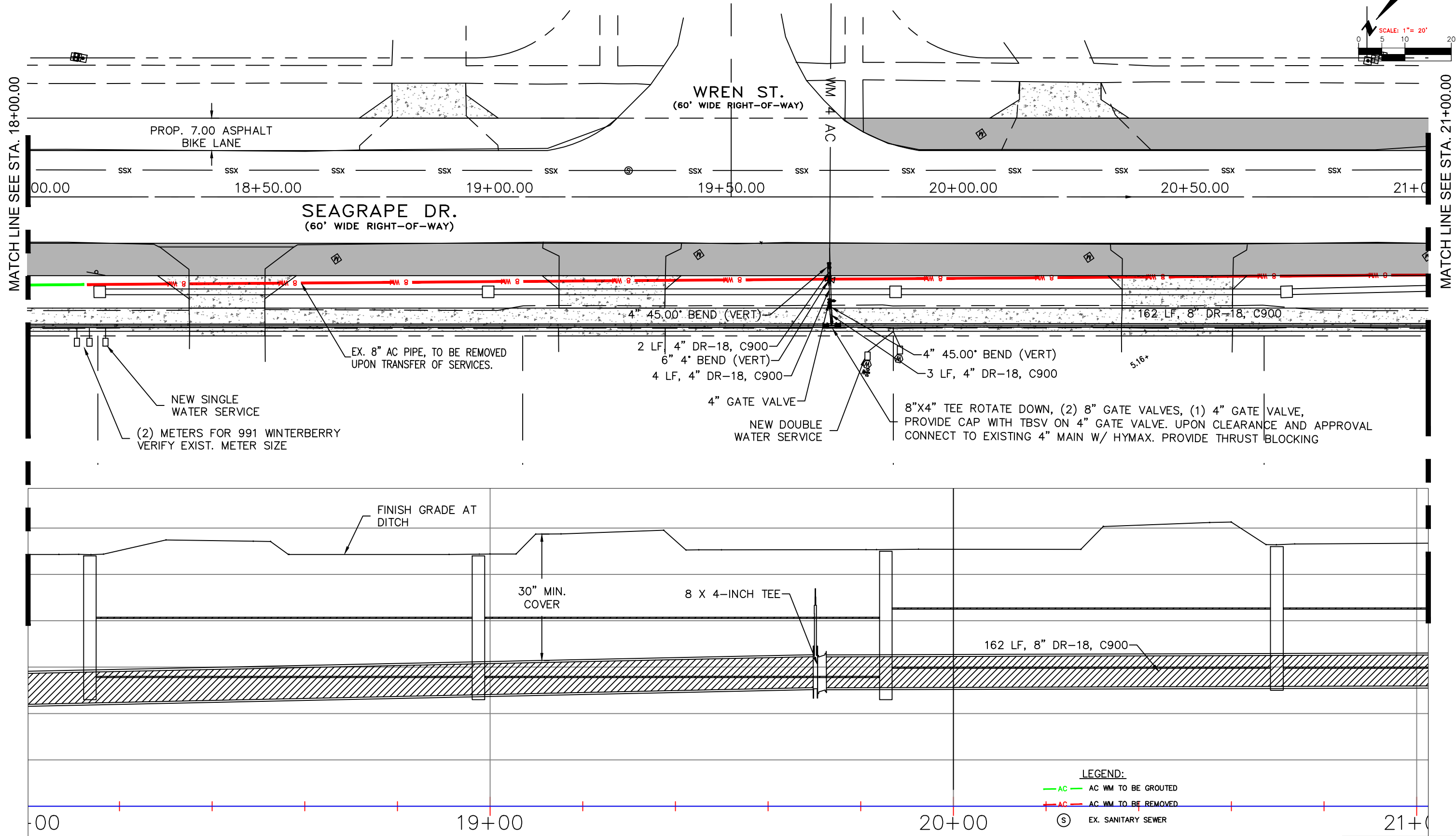
SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

DRAWING CURRENT AS OF: 1/25/24

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
CAD FILE NAME: .	SHEET NO.: 19
HM PROJECT NO.: 2022101	

MATCH LINE SEE STA. 18+00.00

MATCH LINE SEE STA. 21+00.00



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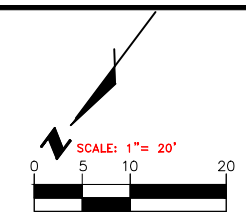
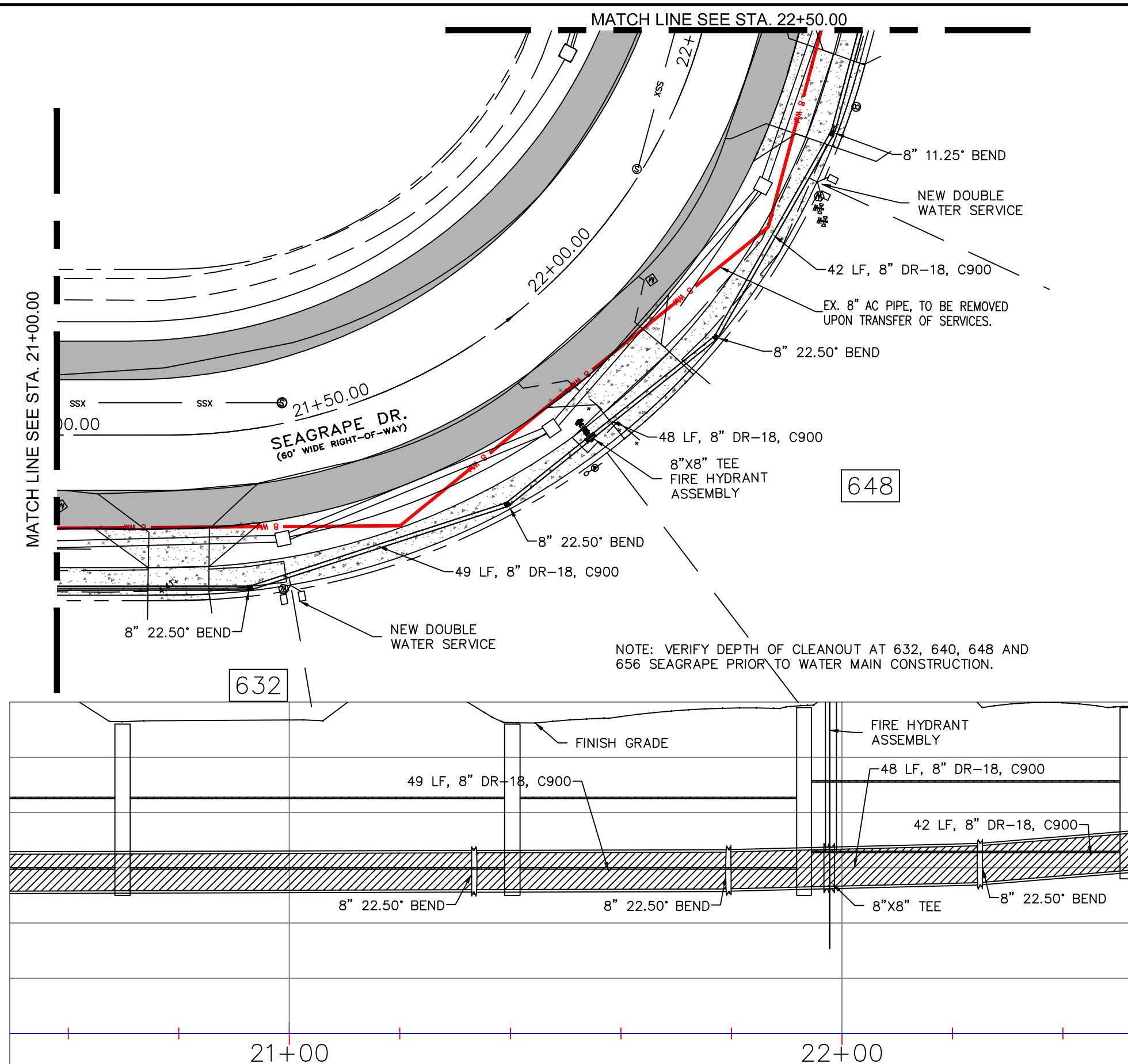


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SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 20	

DRAWING CURRENT AS OF: 1/25/24



- LEGEND:**
- AC — AC WM TO BE GROUTED
 - AC — AC WM TO BE REMOVED
 - Ⓢ EX. SANITARY SEWER

LETTER	REVISIONS	DATE

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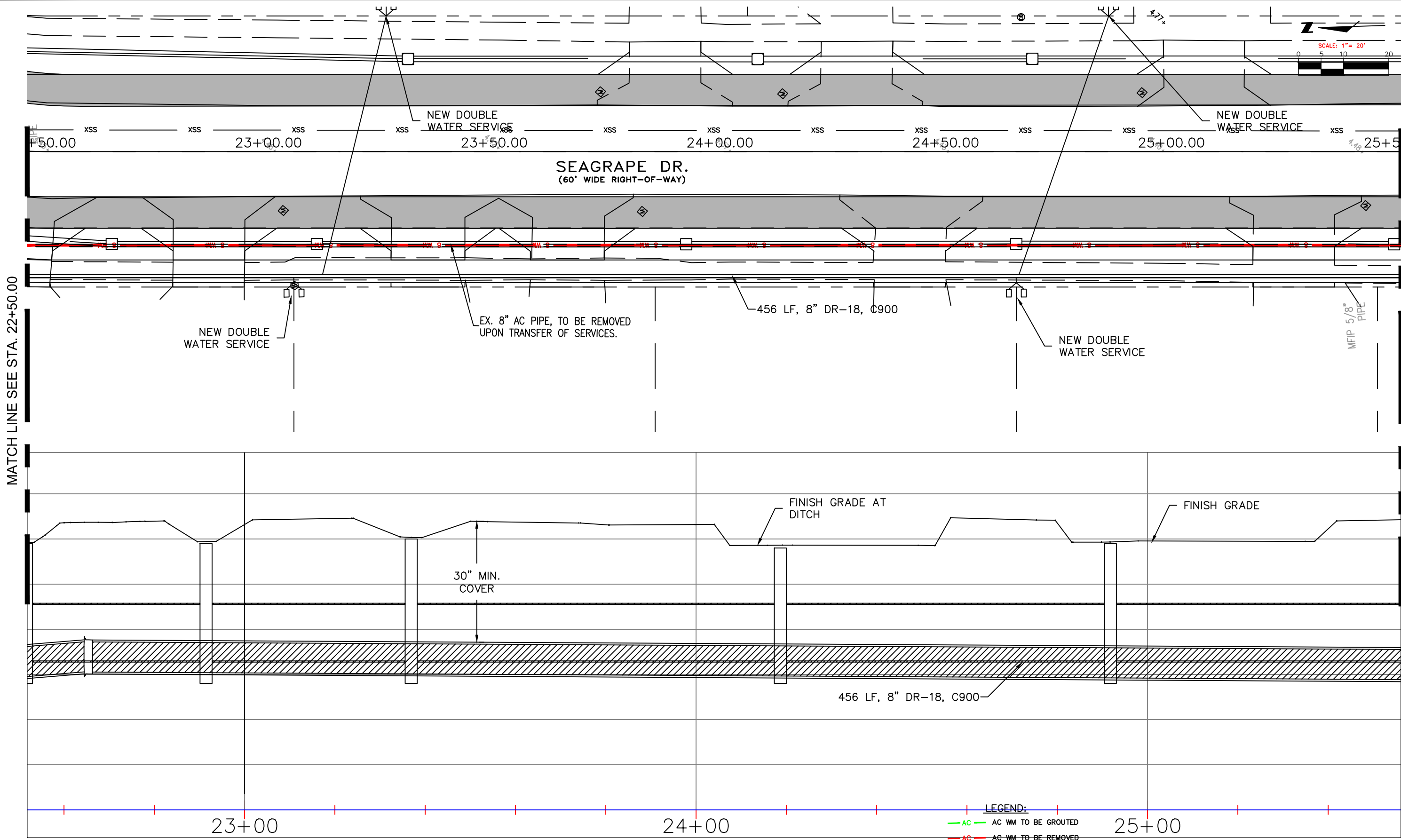


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**SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE**

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 21

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MATCH LINE SEE STA. 25+50.00

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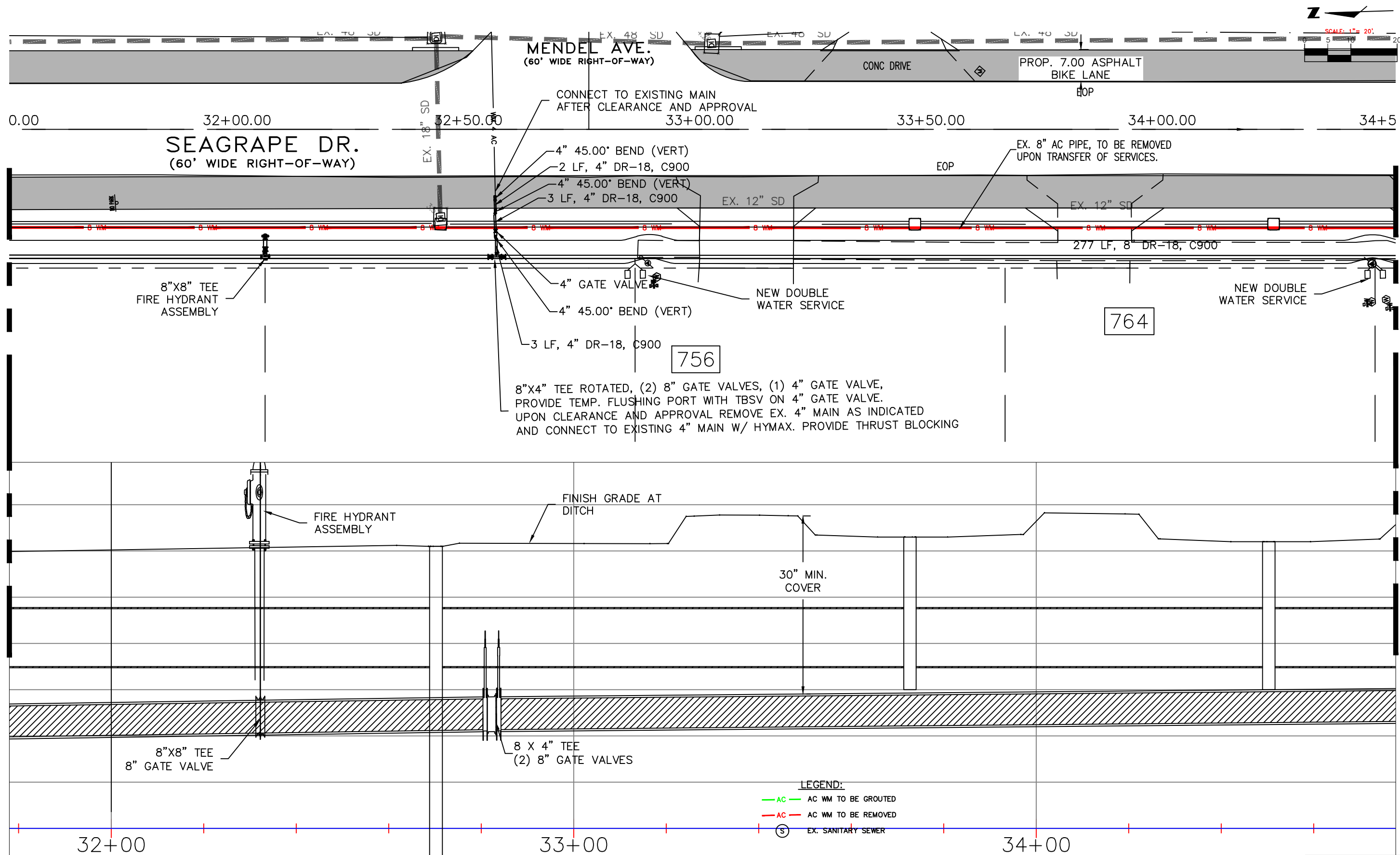


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**SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE**

DRAWING CURRENT AS OF: 1/23/24

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
CAD FILE NAME:	SHEET NO.: 22
HM PROJECT NO.: 2022101	



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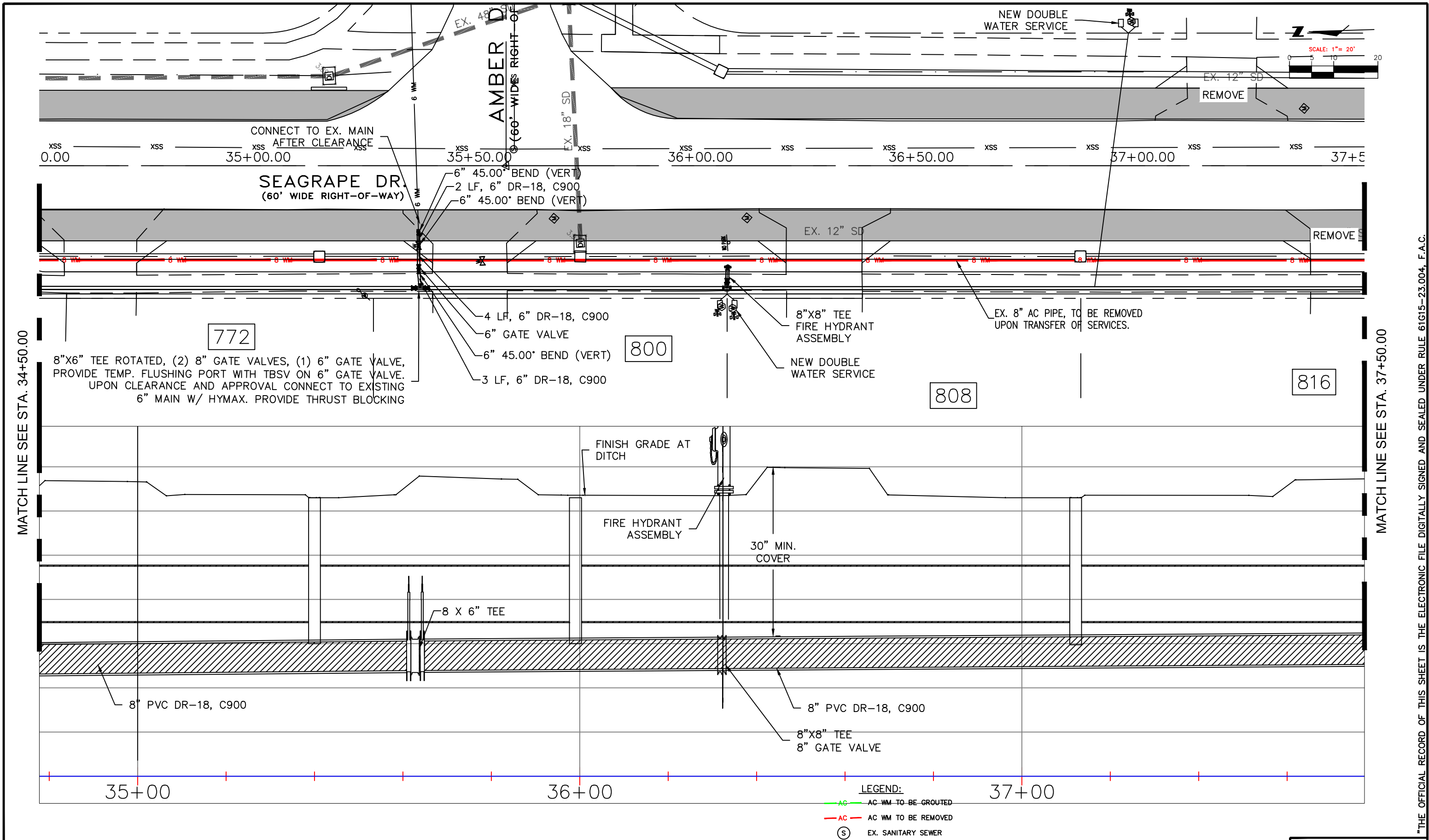
City of
Marco Island



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SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.:
.	BASE
HM PROJECT NO.:	SHEET NO.:
2022101	25



LETTER	REVISIONS	DATE

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Marco Island

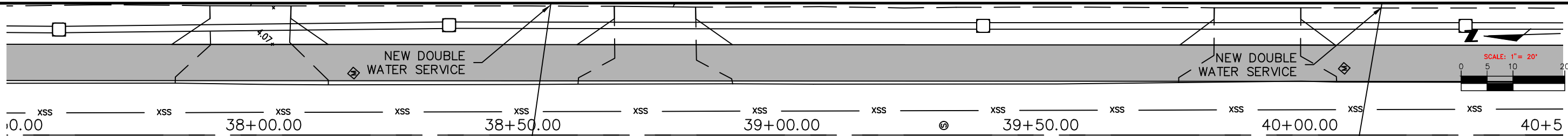


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P.E. NO.: 41671
HOLE MONTES, INC.
950 ENCORE WAY
MAPLES, FL. 34110
CERTIFICATE OF AUTHORIZATION No.1772

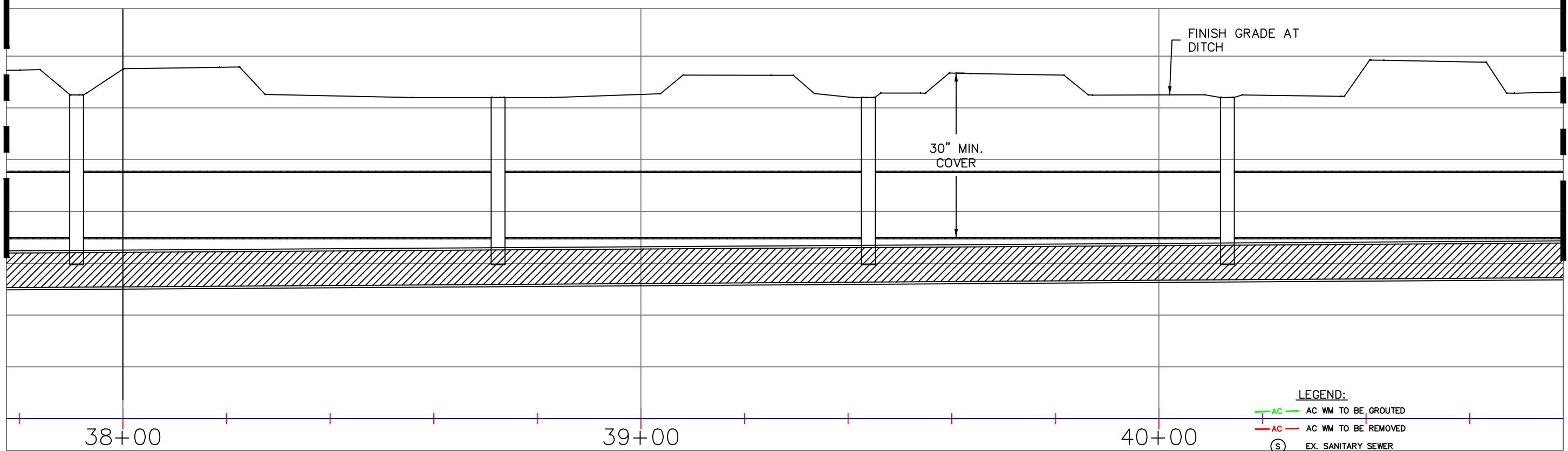
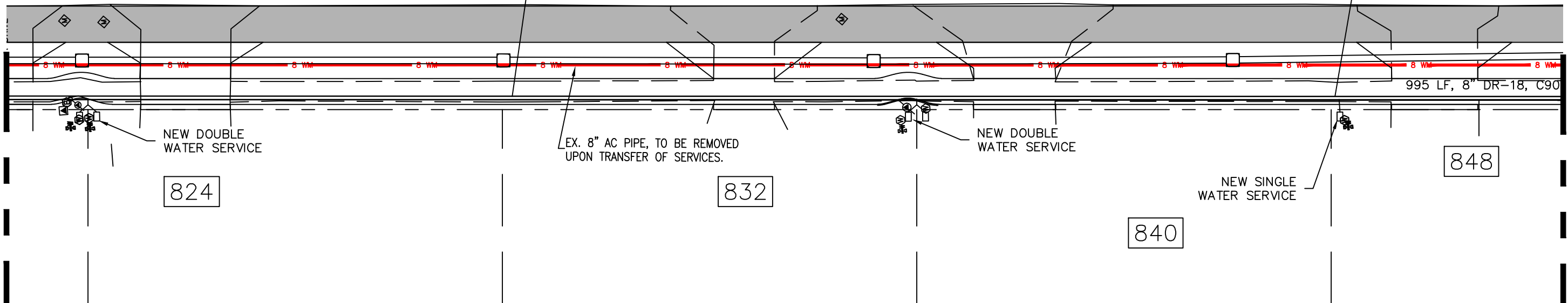
SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 26

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SEAGRAPE DR.
(60' WIDE RIGHT-OF-WAY)



- LEGEND:
- AC AC WM TO BE GROUTED
 - AC AC WM TO BE REMOVED
 - (S) EX. SANITARY SEWER

DRAWING CURRENT AS OF: 2/07/25

LETTER	REVISIONS	DATE

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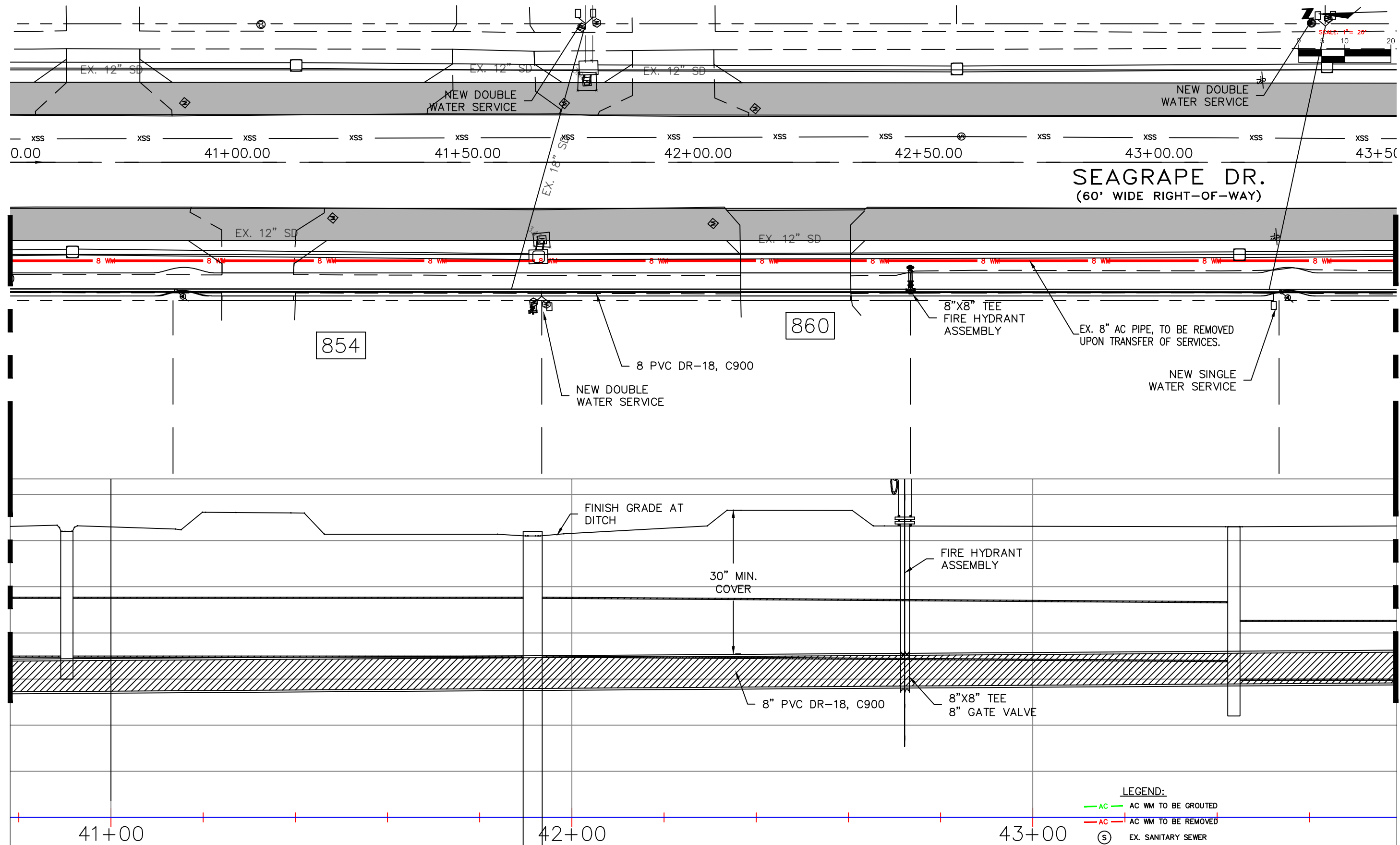


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SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
CAD FILE NAME:	SHEET NO.: 27
HM PROJECT NO.: 2022101	

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MATCH LINE SEE STA. 40+50.00

MATCH LINE SEE STA. 43+50.00

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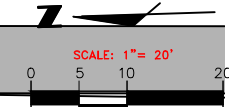
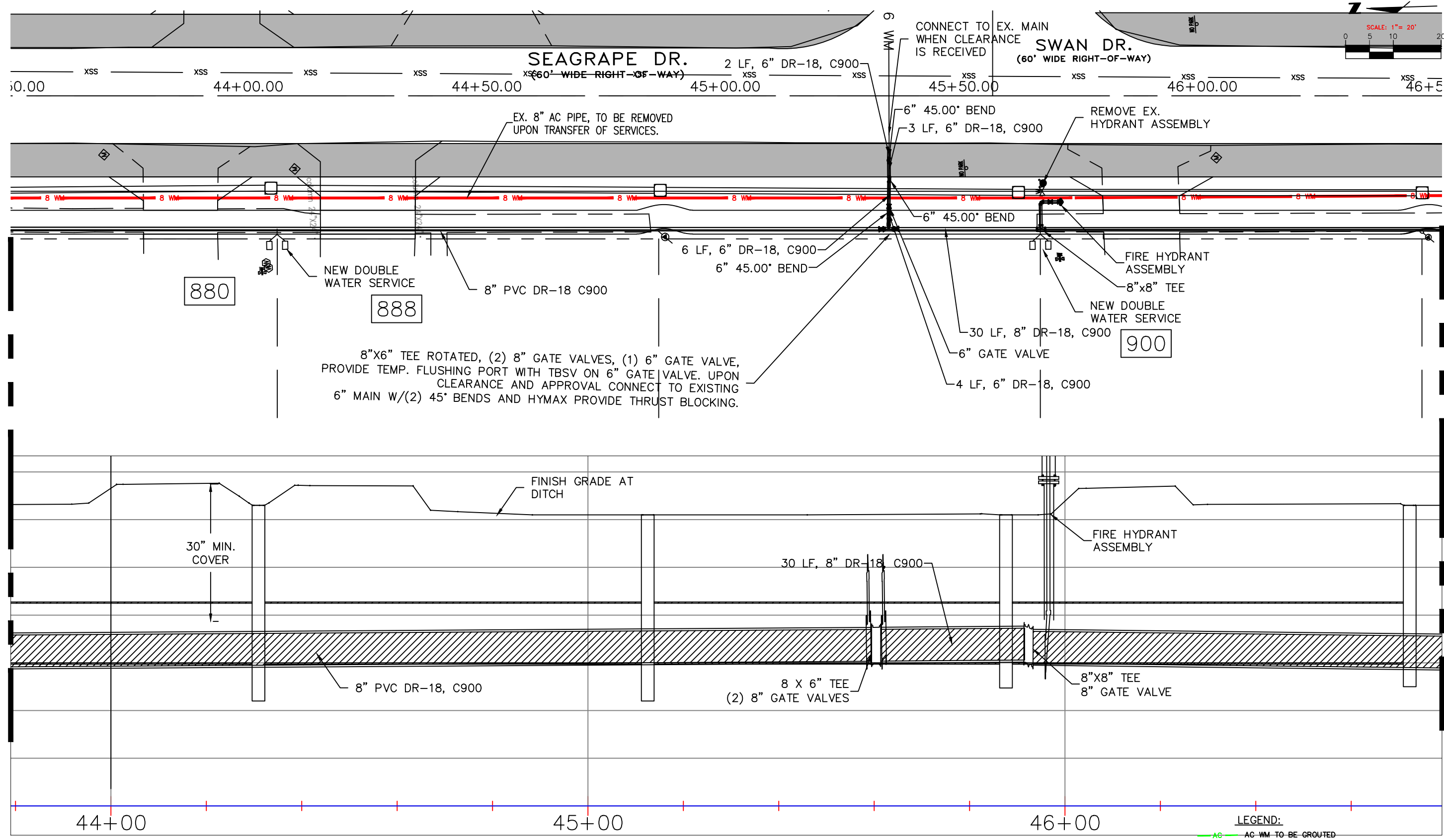
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HOLE MONTES, INC.
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MAPLES, FL. 34110

**SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE**

DRAWING CURRENT AS OF: 2/07/25

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 28



MATCH LINE SEE STA. 43+50.00

MATCH LINE SEE STA. 46+50.00

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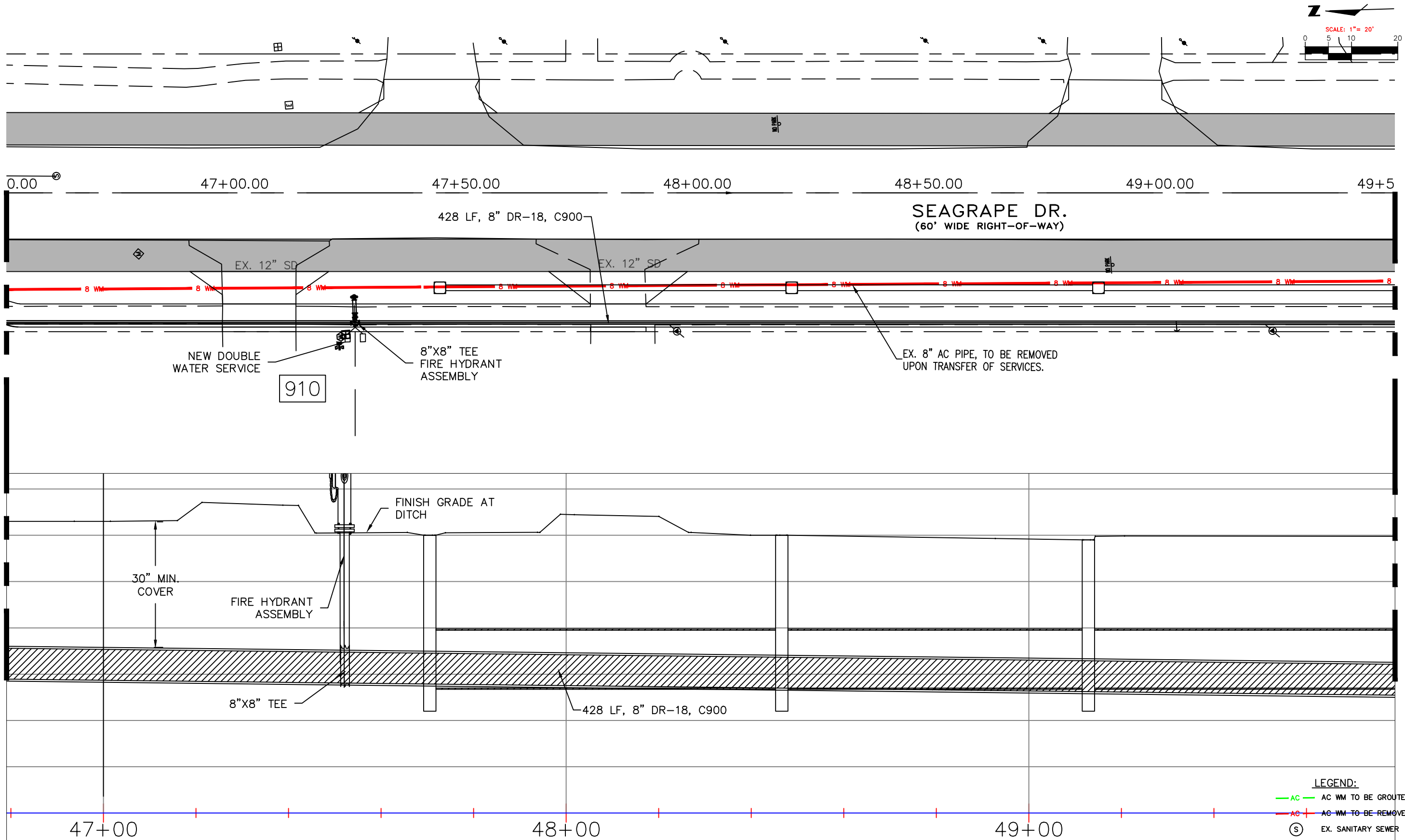


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SEGMENT #2
SEAGRAPE DRIVE
UTILITY PLAN & PROFILE

FDOT NO.: 448127-1-58-01	DRAWING NO.: BASE
CAD FILE NAME:	SHEET NO.: 29
HM PROJECT NO.: 2022101	

DRAWING CURRENT AS OF: 1/25/24



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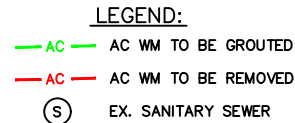
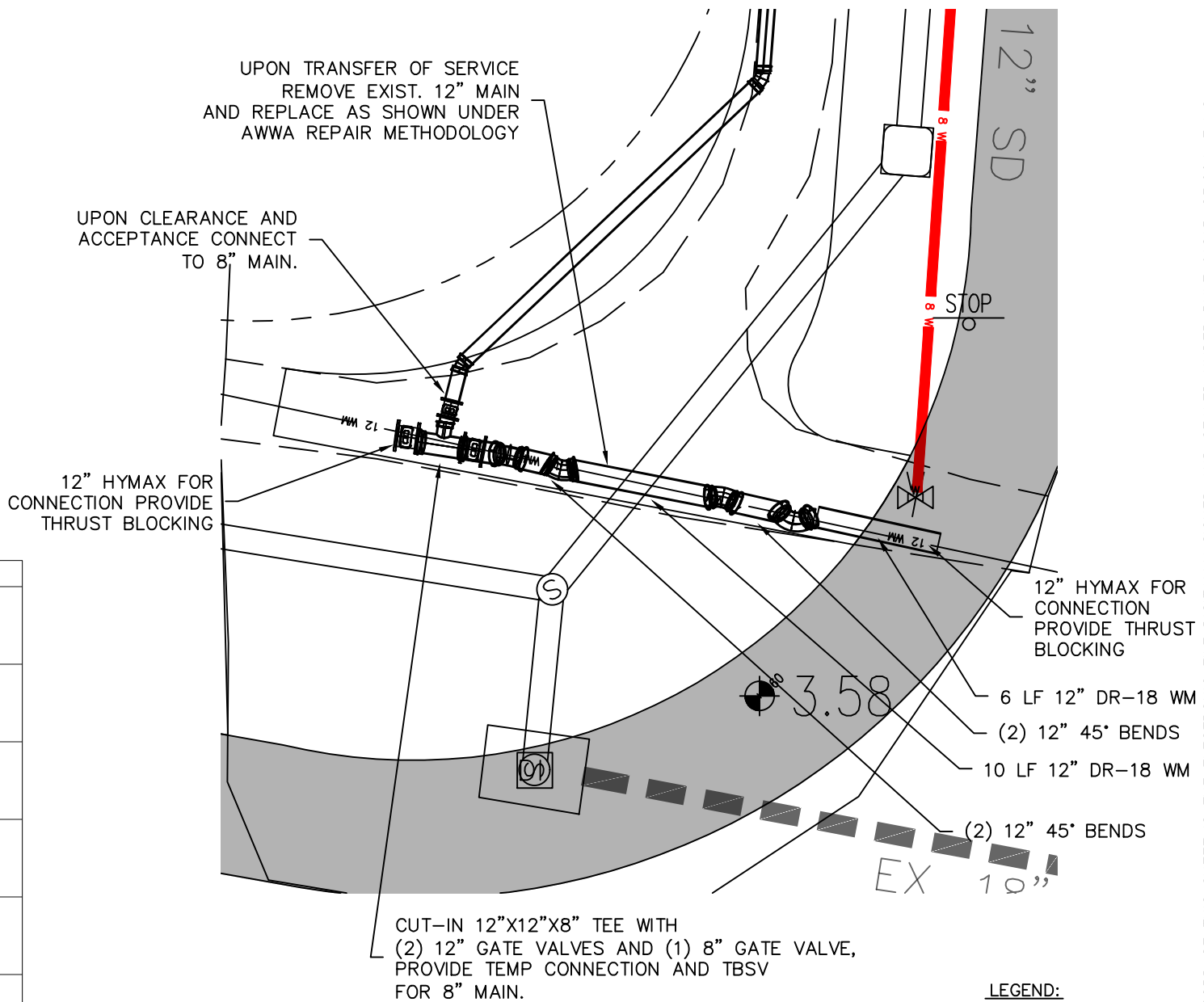


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MAPLES, FL. 34110
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SEGMENT #2
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UTILITY PLAN & PROFILE

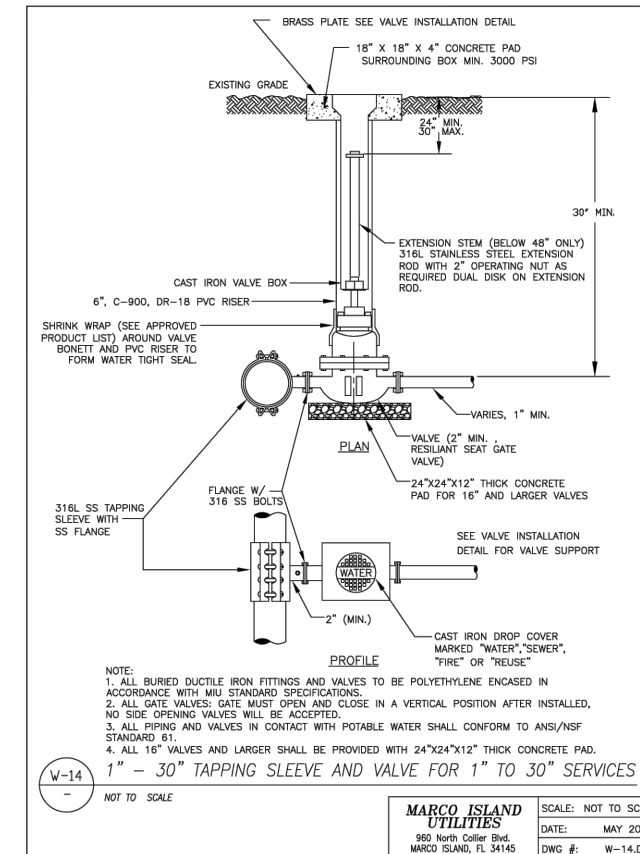
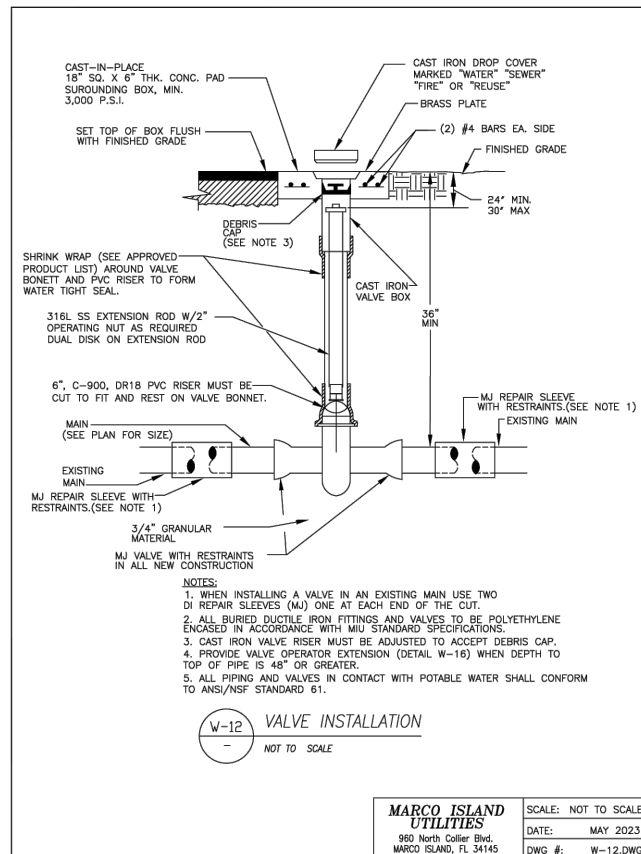
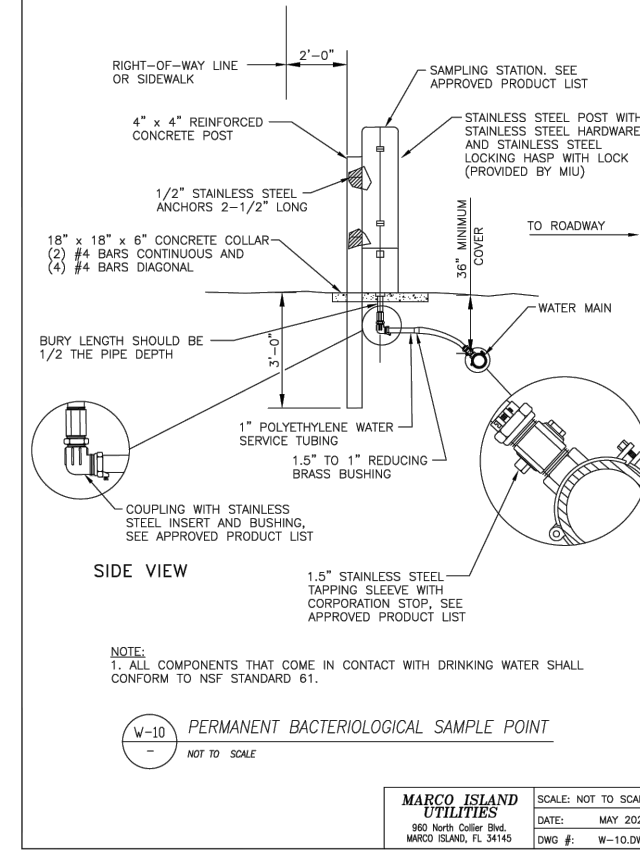
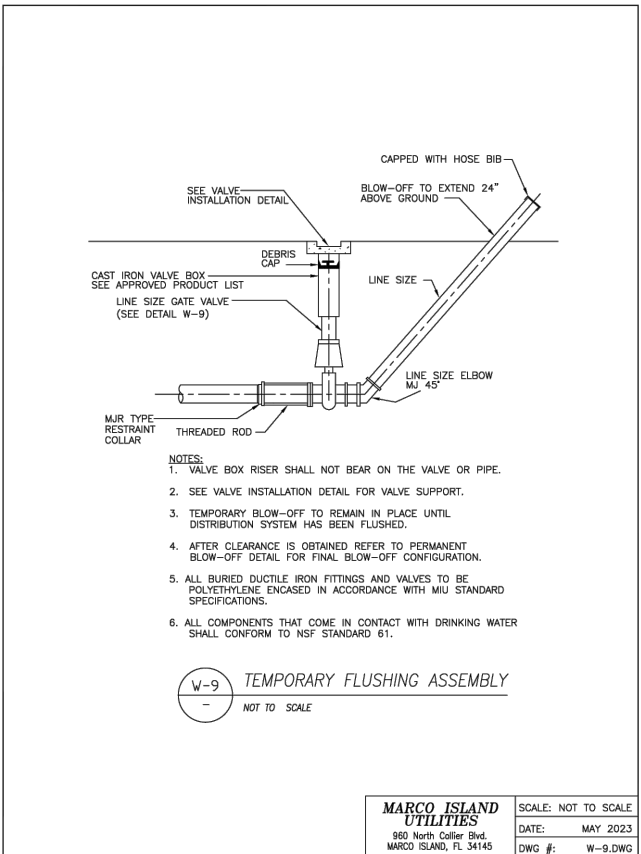
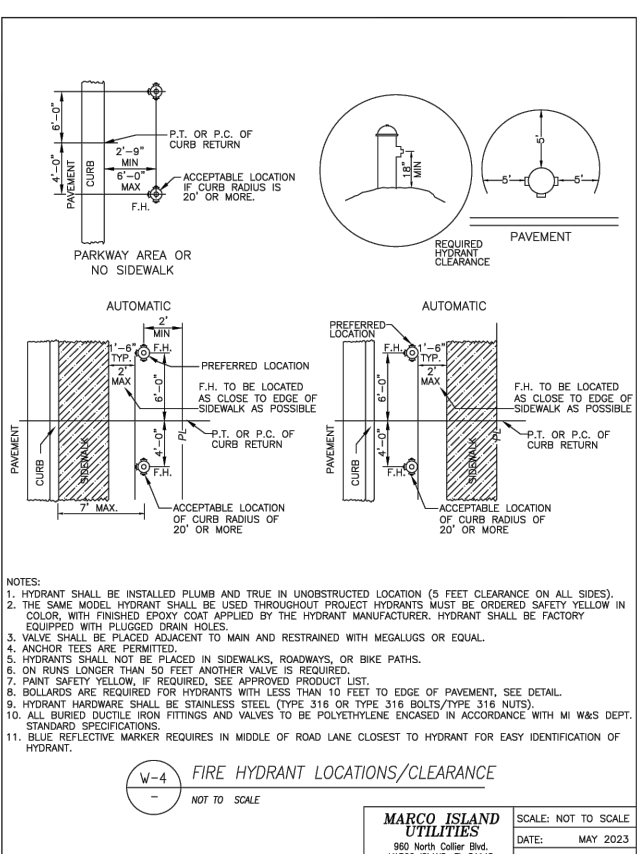
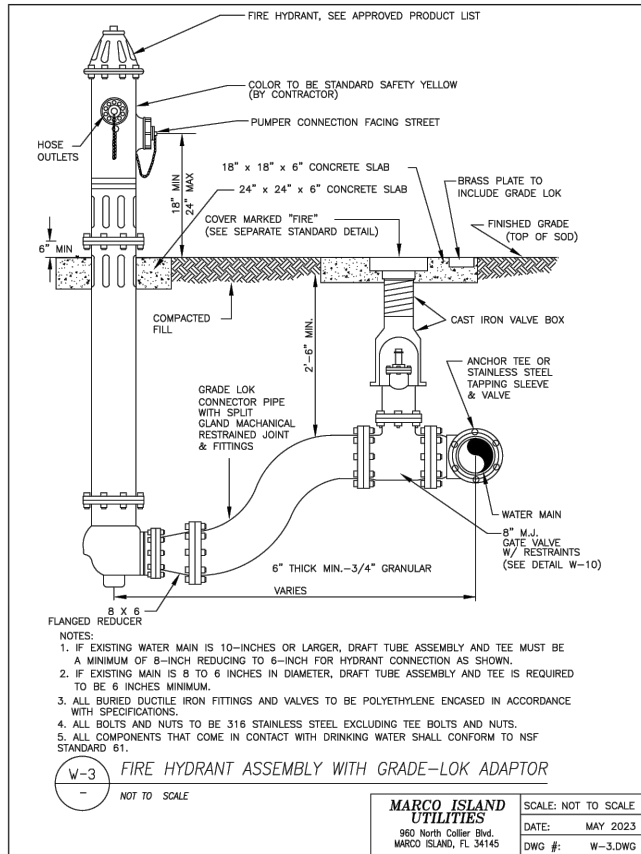
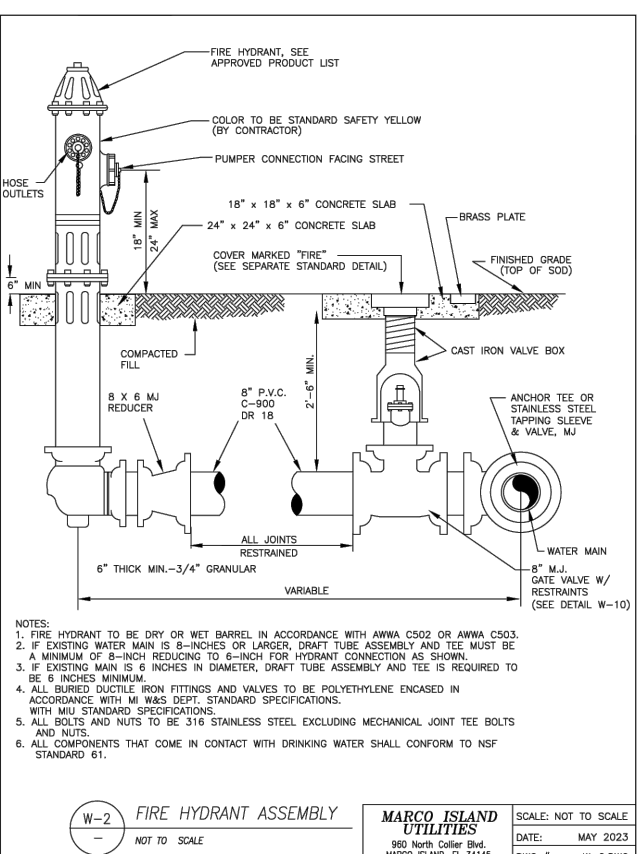
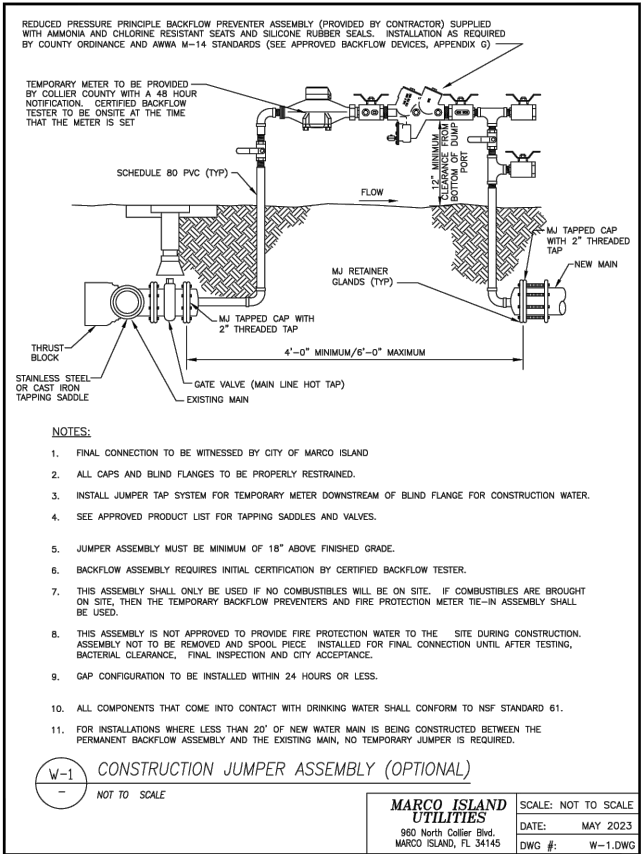
FDOT NO.: 448127-1-58-01	
CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 30

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Collier Blvd.
Bike Lane



City of
Marco Island

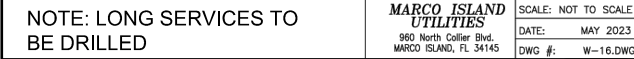


DAVID SCHMITT, P.E.
P.E. NO.: 41671
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No.1772

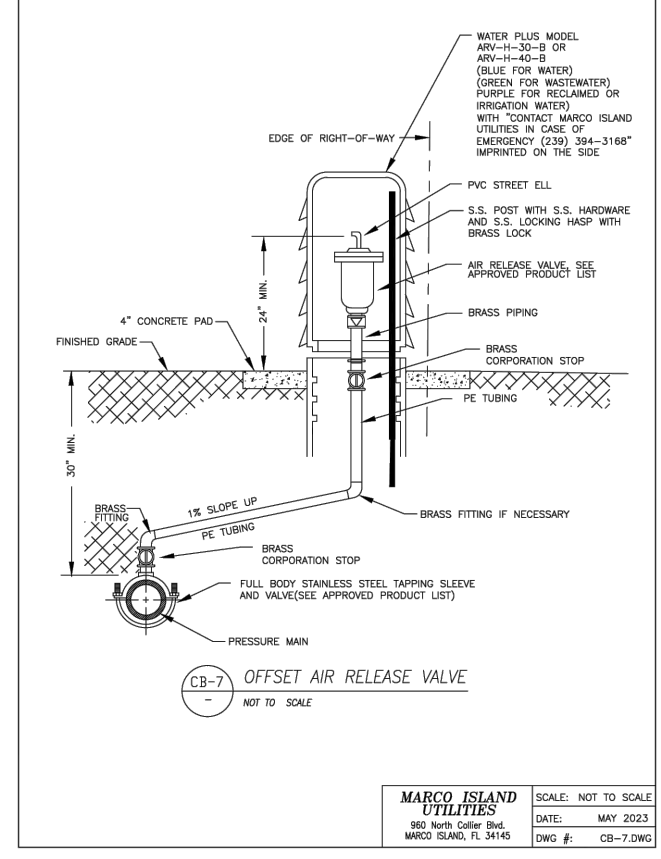
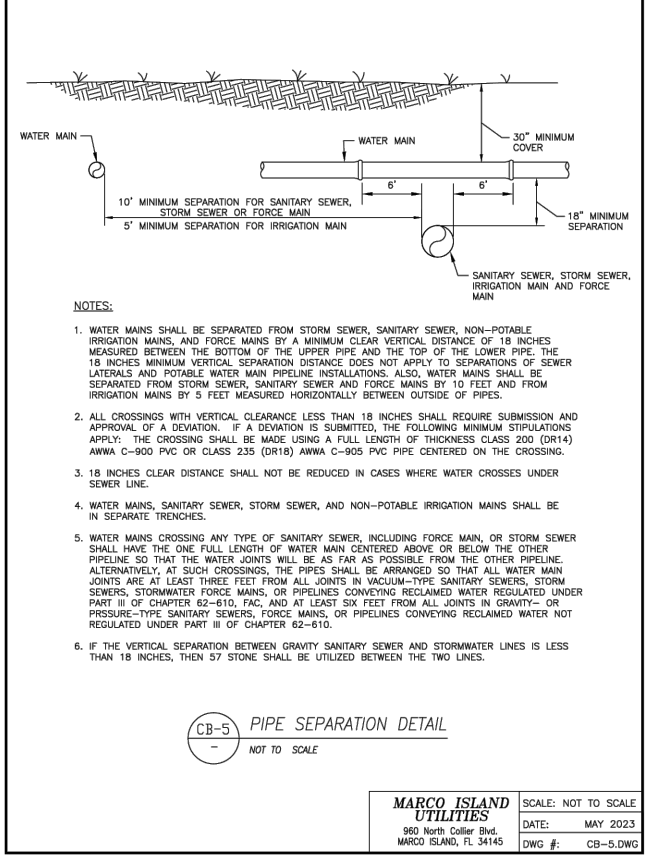
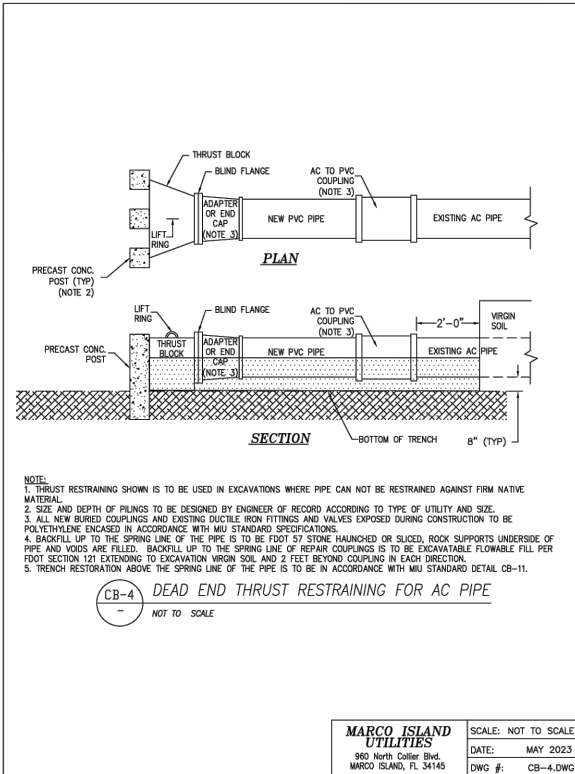
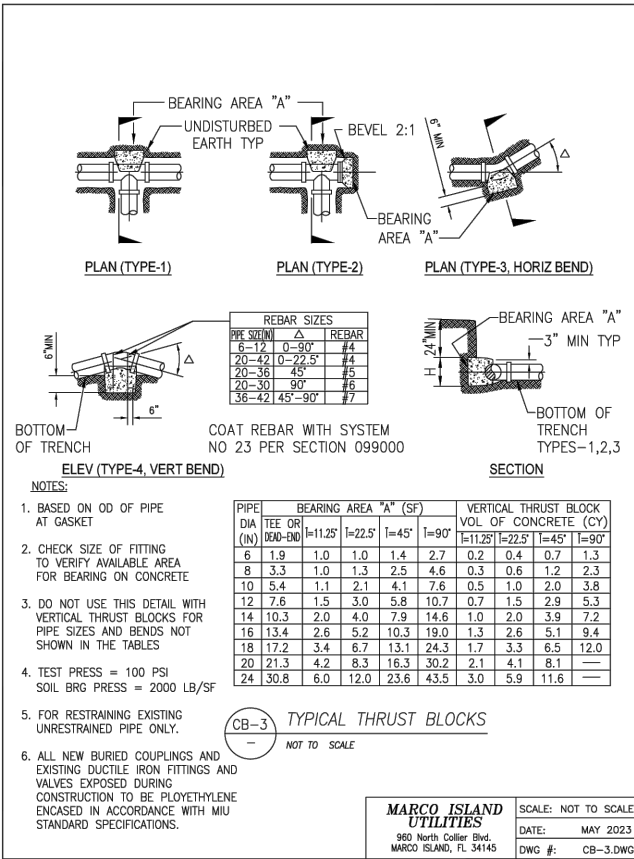
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CAD FILE NAME:	DRAWING NO.: BASE
HM PROJECT NO.: 2022101	SHEET NO.: 32

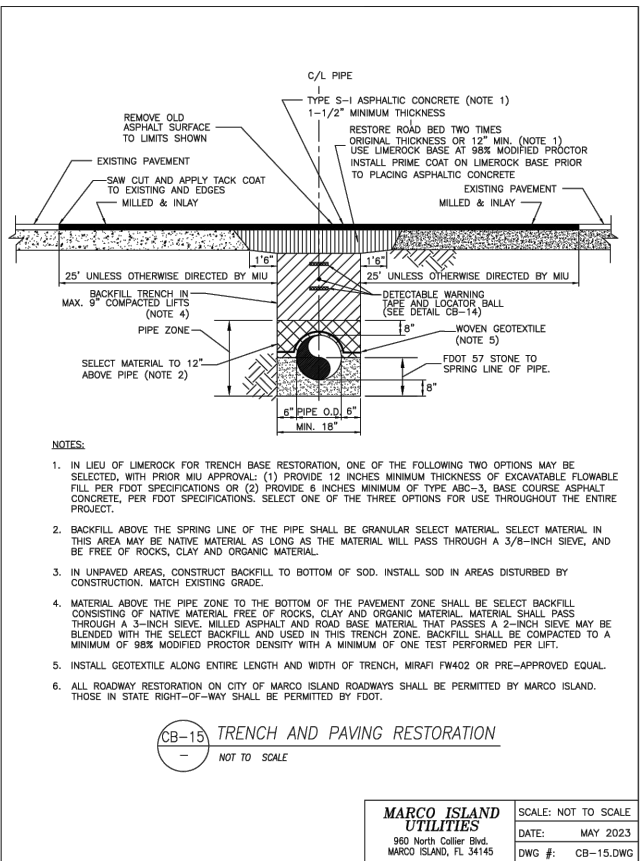
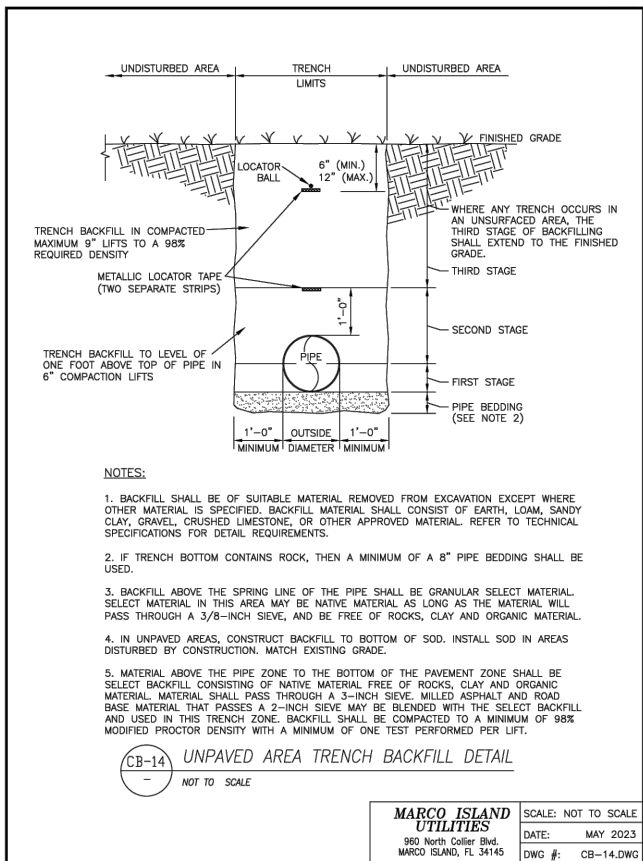
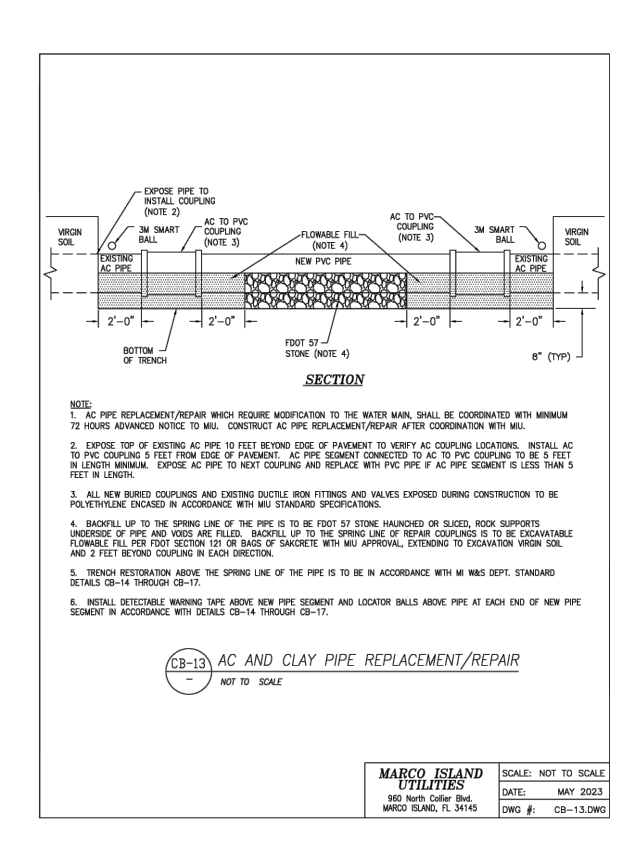
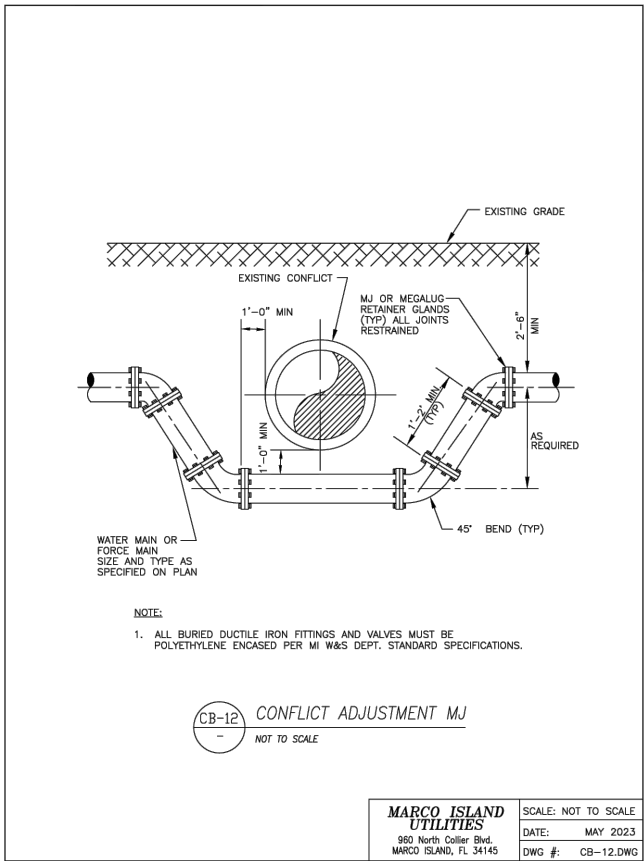
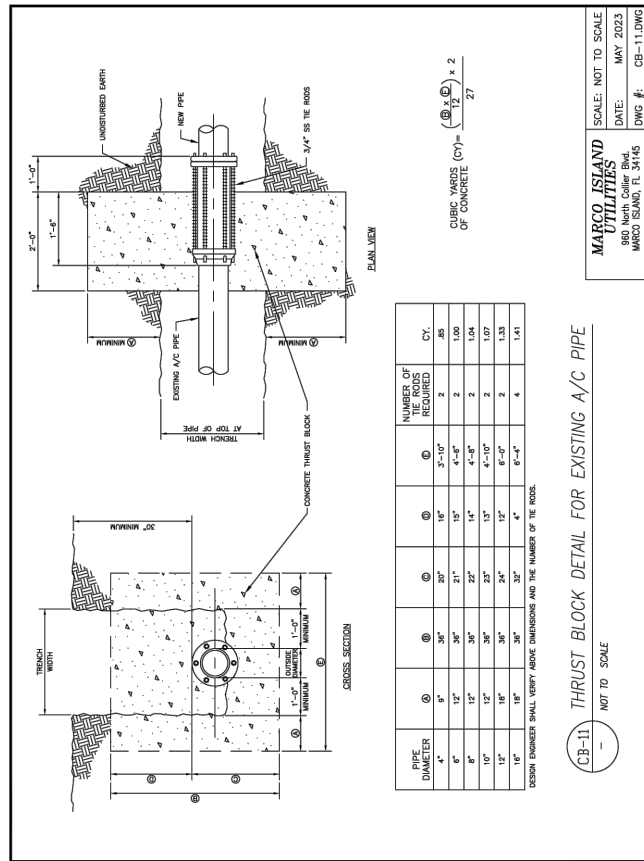
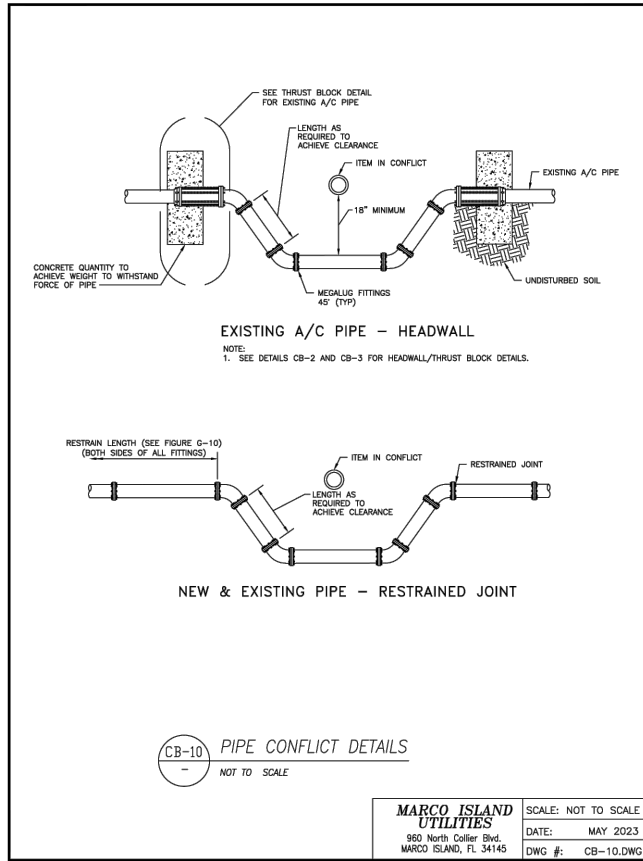
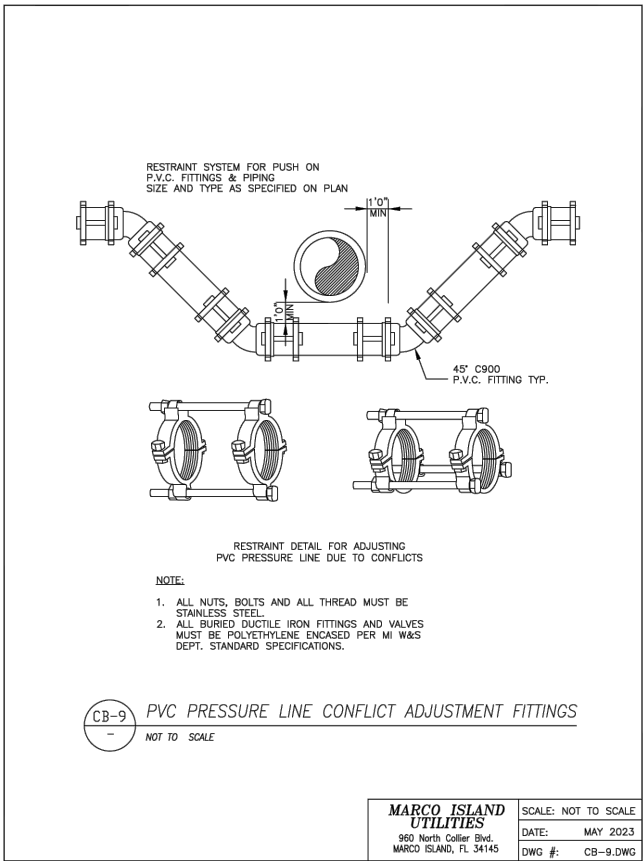
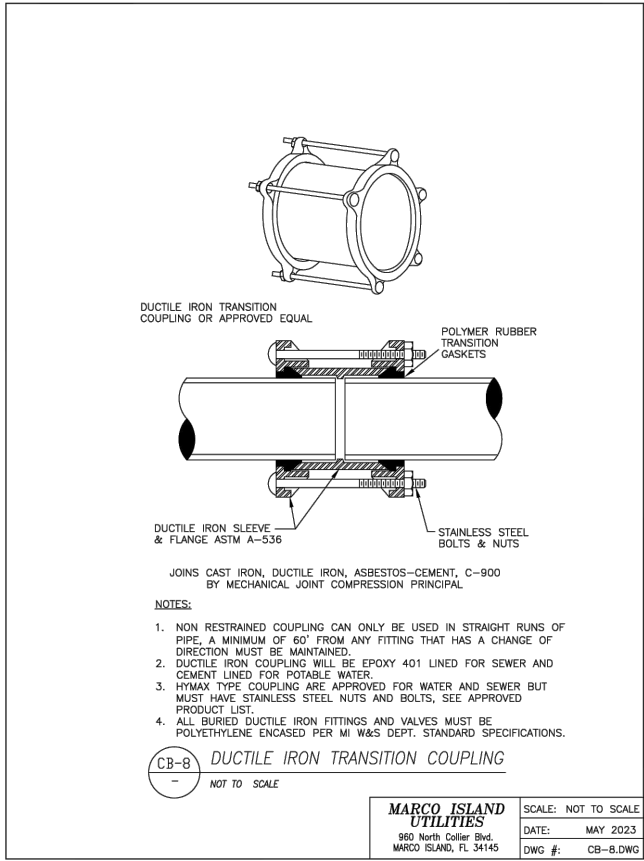
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	<p>MARCO ISLAND UTILITIES</p> <p>960 North Collier Blvd. MARCO ISLAND, FL 34145</p>	SCALE: NOT TO SCALE
		DATE: MAY 2023
		DWG #: CB-1.DWG



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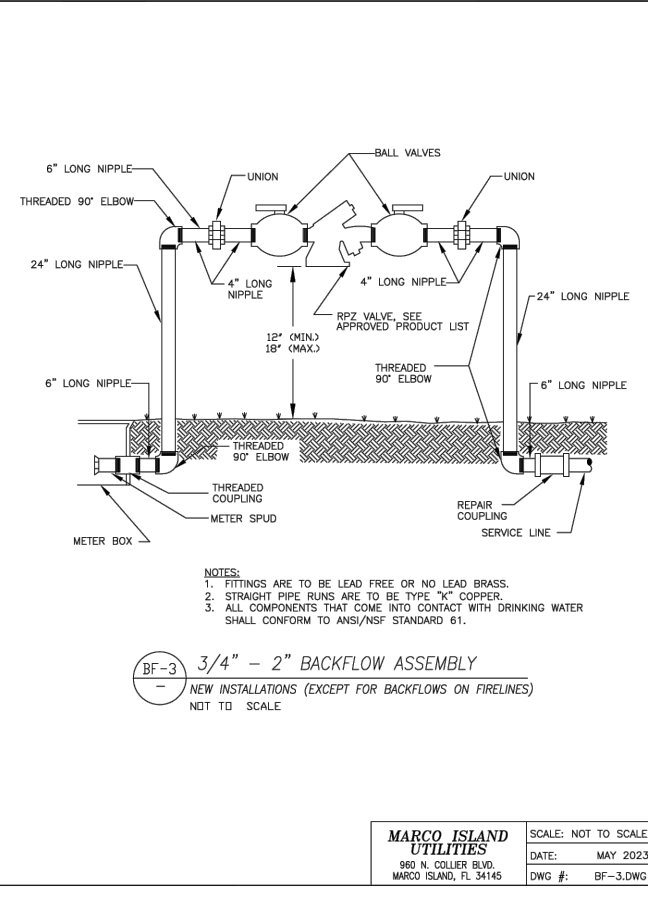
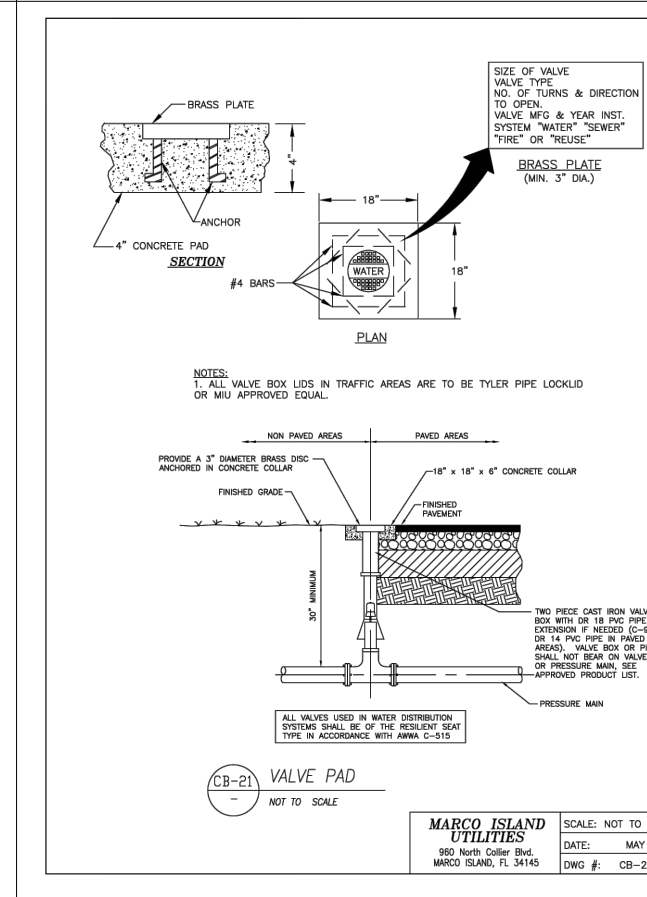
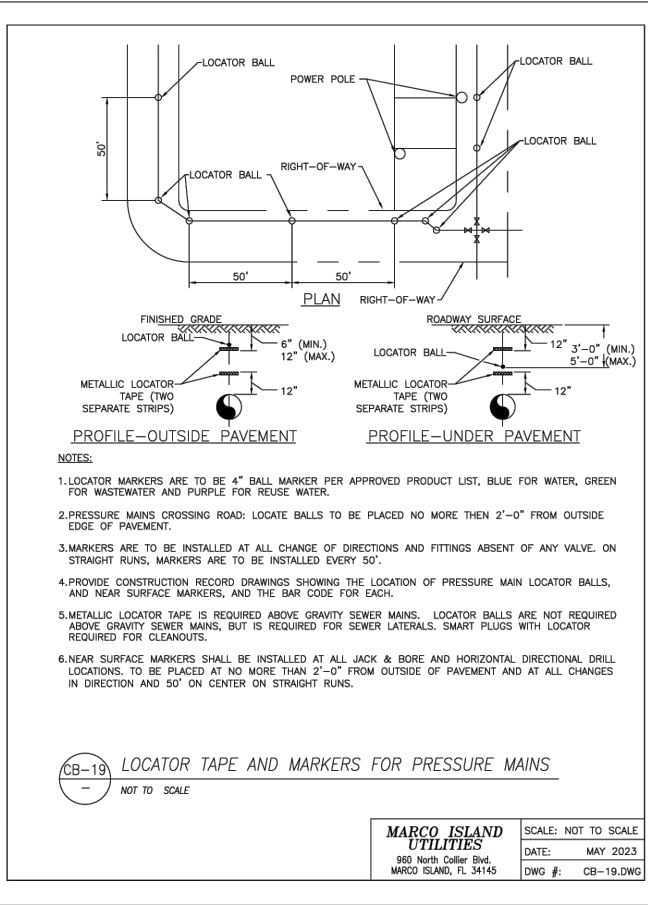
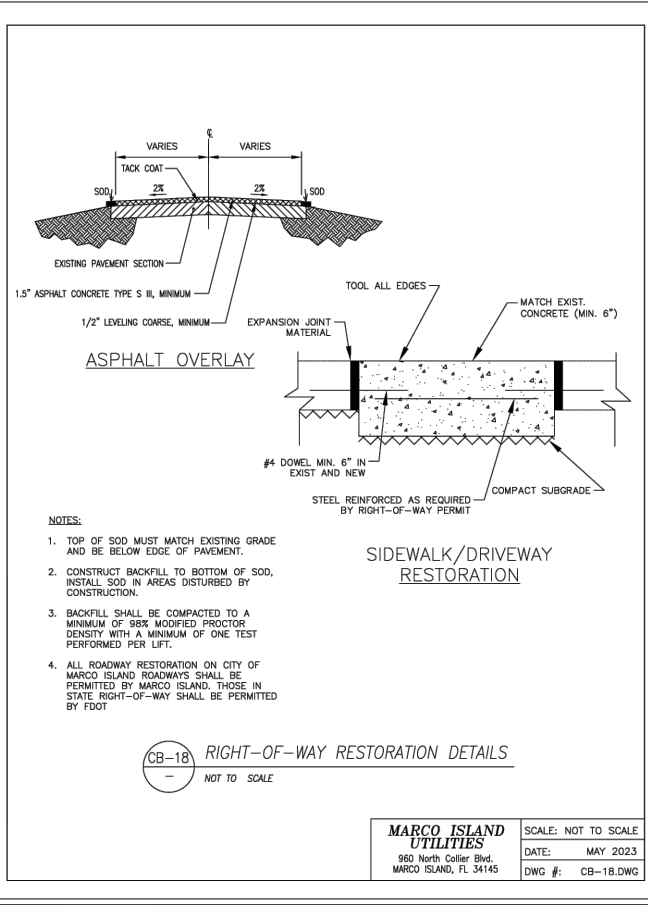
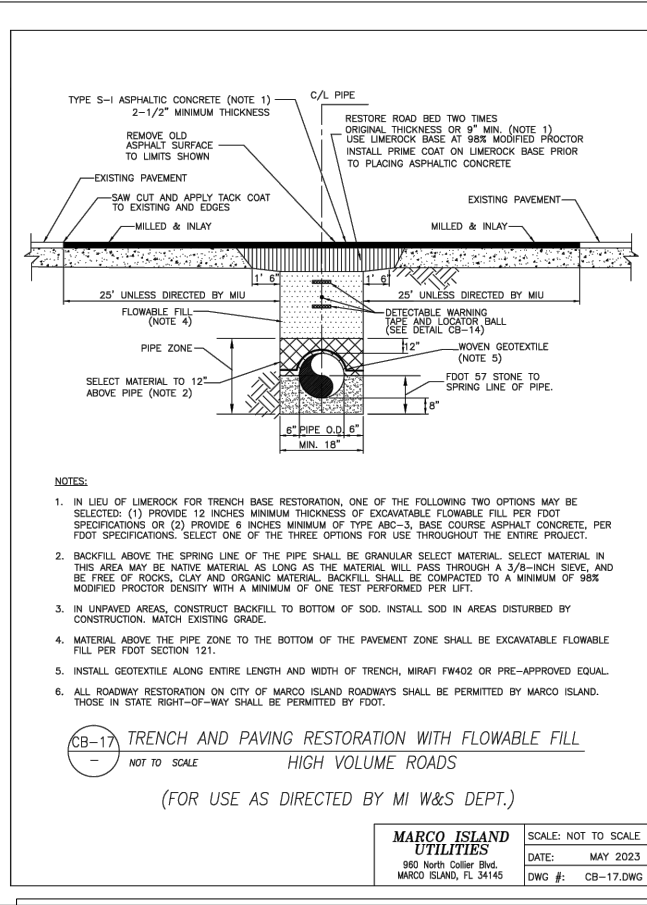
DAVID SCHMITT, P.E.
P.E. NO.: 41671
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No.1772

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LETTER	REVISIONS	DATE

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City of
Marco Island



DAVID SCHMITT, P.E.
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6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No.1772

TYPICAL UTILITY DETAILS

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HM PROJECT NO.: 2022101	SHEET NO.: 35

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