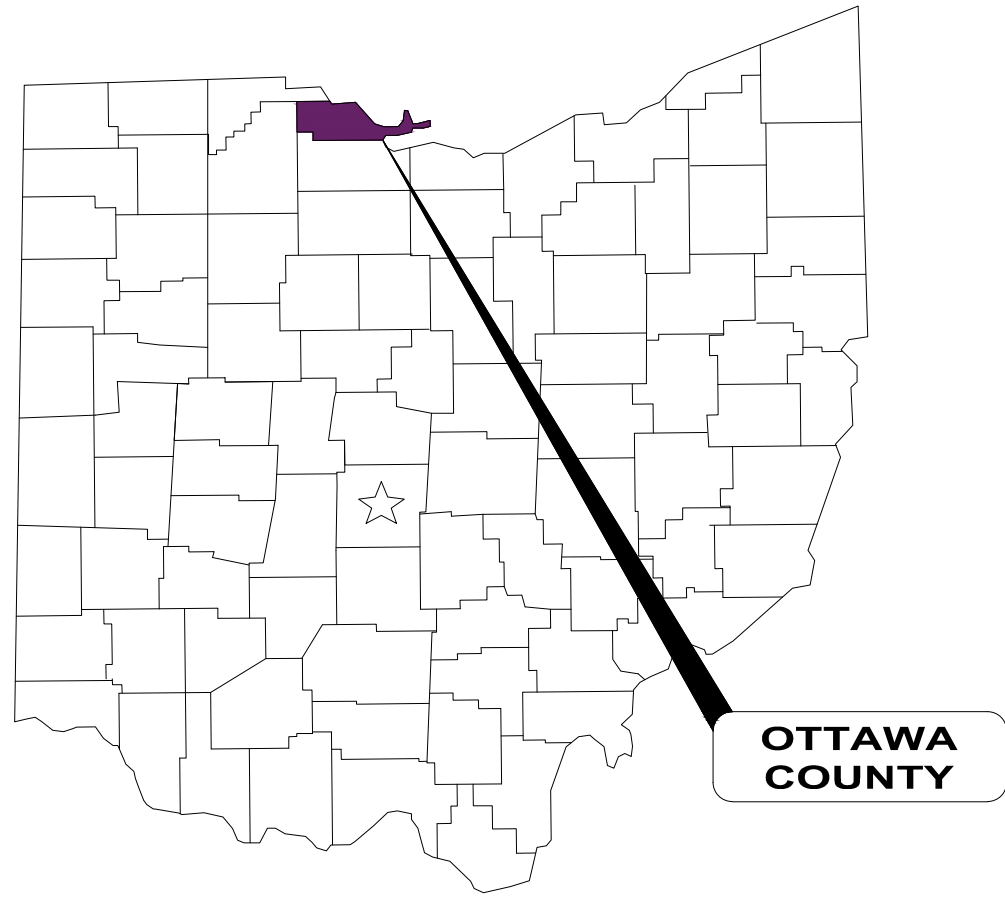




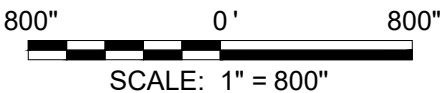
JOHNSON ISLAND WATER MAIN EXTENSION

VILLAGE OF MARBLEHEAD, OTTAWA COUNTY, OHIO

NOVEMBER 2025



INDEX MAP



NOTE:

1. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



OWNER / DEVELOPER

VILLAGE OF MARBLEHEAD WATER
106 WATER STREET
MARBLEHEAD, OH 43440
PHONE: 419-798-5836

CONTACT: TONY JOYCE

ENGINEER

CT CONSULTANTS
7965 NORTH HIGH STREET, SUITE 340
COLUMBUS, OH 43235
PHONE: 614-885-1700

CONTACT: DAN BARR

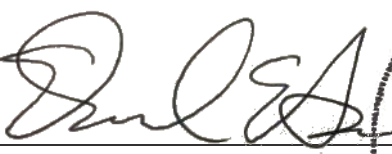
CONSTRUCTION PLAN APPROVALS:

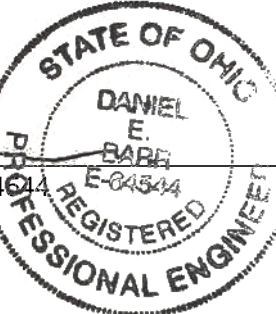
 11/26/2025
JEFFREY WHITE - VILLAGE ADMINISTRATOR, VILLAGE OF MARBLEHEAD DATE

APPROVAL OF THESE PLANS DOES NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. THE REVIEWER DOES NOT ACCEPT RESPONSIBILITY FOR THE INTEGRITY OF THE PLANS.

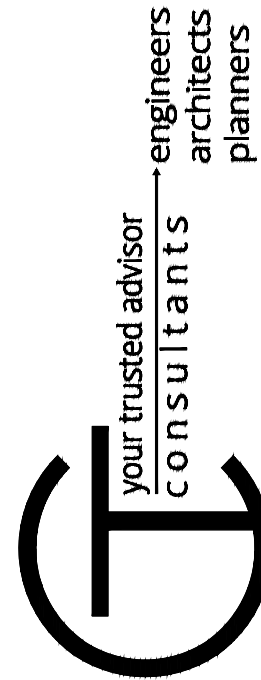
DESIGN ENGINEER:

THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS FOR MARION COUNTY, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN OUR OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC SAFETY AND CONVENIENCE.


DANIEL E. BARR, P.E. NO. PE-44344
11/26/2025
DATE



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JOHNSON ISLAND WATER MAIN
EXTENSION

Cover Sheet

PROJECT NO.	210900
DISCIPLINE	CIVIL
SHEET NAME	COVR-SHT
SHEET	OF
01	51

EXISTING PLAN LINE SYMBOLOGY:

	FENCE, GENERAL
	FENCE, BARBED WIRE
	FENCE, CHAIN LINK
	FENCE, DECORATIVE
	FENCE, ELECTRIC
	FENCE, VINYL
	FENCE, WOOD
	FENCE, WOVEN WIRE
	CABLE RAIL
	GUARDRAIL
	HANDRAIL
	TELEPHONE, ABANDONED
	TELEPHONE
	TELEPHONE, OH
	TELEPHONE, UG
	TELEPHONE, SERVICE
	TELEPHONE, SERVICE OH
	TELEPHONE, SERVICE, UG
	ELECTRIC, ABANDONED
	ELECTRIC, DUCT BANK
	ELECTRIC
	ELECTRIC, OH
	ELECTRIC, UG
	ELECTRIC, SERVICE
	ELECTRIC, SERVICE OH
	ELECTRIC, SERVICE, UG
	GAS, ABANDONED
	GAS
	GAS, SERVICE
	SANITARY, ABANDONED
	SANITARY FORCE MAIN
	SANITARY SEWER
	SANITARY LEACH LINE
	SANITARY SEWER, DOUBLE
	SANITARY SEWER, SERVICE
	STORM SEWER, ABANDONED
	STORM CULVERT
	STORM SEWER
	STORM SEWER, DOUBLE
	STORM, ROOF DRAIN
	STORM, UNDERDRAIN
	TELEPHONE, ABANDONED
	TELEPHONE
	TELEPHONE, OH
	TELEPHONE, UG
	TELEPHONE, SERVICE
	TELEPHONE, SERVICE OH
	TELEPHONE, SERVICE, UG
	WATER LINE, ABANDONED
	WATER LINE
	WATER LINE, DOUBLE
	WATER LINE, SERVICE
	NON-POTABLE WATER LINE
	ALUM SOLUTION LINE
	CHLORINE SOLUTION LINE
	SULFUR DIOXIDE SOLUTION LINE
	BRUSH LINE
	BUSH LINE
	TREE LINE
	MAJOR CONTOUR
	MINOR CONTOUR
	TOP OF BANK
	TOP OF DITCH
	BOTTOM OF DITCH
	WATER EDGE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	RIGHT-OF-WAY CL
	SURVEY STATIONING
	PAVED ROADWAY
	GRAVEL DRIVEWAY
	CURB FACE
	CURB BACK

EXISTING PLAN SYMBOLOGY:

	SANITARY MANHOLE
	SANITARY CLEANOUT
	SANITARY LINE CAP
	SANITARY LINE PAINT MARKING
	SANITARY STRUCTURE NUMBER
	SANITARY VENT PIPE
	STORM MANHOLE (SOLID LID)
	STORM MANHOLE (OPEN GRATE)
	CURB INLET
	CURB INLET (DOUBLE)
	CATCH BASIN
	CATCH BASIN (ROUND LID)
	CATCH BASIN (DOME)
	CATCH BASIN (SIDE INLET)
	DRAIN
	DOWNSPOUT
	STORM CLEANOUT
	STORM LINE CAP
	STORM ENDWALL
	STORM HEADWALL
	STORM LINE PAINT MARKING
	STORM STRUCTURE NUMBER
	ROCK CHANNEL PROTECTION
	SURFACE DRAINAGE FLOW
	STORM FLOOD ROUTING ARROW
	FIRE HYDRANT
	WATER SIAMESE CONNECTION
	WATER VALVE
	WATER VALVE BOX
	WATER METER
	WATER METER PIT
	WATER LINE REDUCER
	WATER LINE CAP
	WATER LINE PLUG
	WATER LINE PAINT MARKING
	POST INDICATOR VALVE
	WATER MANHOLE
	WATER FLUSHING ASSEMBLY
	WATER FIXTURE
	WATER FITTING (TEE)
	WATER FITTING (CROSS)
	WATER FITTING (45° WYE)
	WATER FITTING (11.25°)
	WATER FITTING (22.50°)
	WATER FITTING (45°)
	WATER FITTING (90°)
	IRRIGATION SPRINKLER HEAD
	IRRIGATION CONTROL BOX
	IRRIGATION BOX
	STEAM MANHOLE
	STEAM VENT
	COMBINED SEWER MANHOLE
	GAS LIGHT POST (YARD)
	GAS MANHOLE
	GAS VALVE
	GAS VALVE BOX
	GAS METER
	GAS REGULATOR
	GAS VENT PIPE
	GAS LINE PAINT MARKING
	GAS LINE FIXTURE
	ELECTRIC LIGHT POST (YARD)
	ELECTRIC MANHOLE
	ELECTRIC PULL BOX
	ELECTRIC CONTROL BOX
	ELECTRIC JUNCTION BOX
	ELECTRIC VAULT BOX
	ELECTRIC METER
	ELECTRIC PEDESTAL

	ELECTRIC RISER BOX
	ELECTRIC TRANSFORMER
	ELECTRIC HVAC UNIT
	ELECTRIC GROUND LIGHT
	ELECTRIC LINE PAINT MARKING
	CABLE TV MANHOLE
	CABLE TV PEDESTAL
	CABLE TV PAINT MARKING
	TELEPHONE MANHOLE
	TELEPHONE PULL BOX
	TELEPHONE PEDESTAL
	TELEPHONE RISER BOX
	TELEPHONE LINE PAINT MARKING
	TELEPHONE PAY PHONE
	FIBER OPTIC CABLE MANHOLE
	FIBER OPTIC CABLE PAINT MARKING
	TRAFFIC CONTROL MANHOLE
	TRAFFIC CONTROL BOX
	TRAFFIC CONTROL PAINT MARKING
	TRAFFIC PULL BOX
	TRAFFIC SIGNAL PEDESTAL
	UNKNOWN, PULL BOX
	UNKNOWN, CLEANOUT
	UNKNOWN, MANHOLE
	UNKNOWN, VALVE
	MONITORING WELL
	TEST WELL
	WATER WELL
	SOIL BORING
	SWAMP
	POLE, ELECTRIC
	POLE, TELEPHONE
	POLE, LIGHT
	POLE, LIGHT, DECORATIVE
	POLE, LIGHT-OVERHEAD
	POLE, CABLE TV
	POLE, UTILITY
	POLE, GENERAL
	POLE, TRAFFIC CONTROL
	POLE, GUY
	POLE, BRACE
	POLE, ELECTRIC/TELEPHONE
	POLE, ELECTRIC W/LIGHT
	POLE, ELECTRIC/CABLE TV
	POLE, ELECTRIC/TELEPHONE/LIGHT
	POLE, ELECTRIC/TELEPHONE/CABLE TV
	POLE, ELEC/TELE/LIGHT/CABLE TV
	POLE, TELEPHONE/LIGHT
	POLE, TELEPHONE/CABLE TV
	POLE, TELEPHONE/LIGHT/CABLE TV
	POLE, CABLE TV W/LIGHT
	POLE, GUY WIRE
	SIGN
	SIGN, DOUBLE SIDED
	SIGN, DUAL POST
	SIGN, RAILROAD
	POST
	BOLLARD
	DELINEATOR POST
	PARKING BUMPER BLOCK
	HANDICAP PARKING SYMBOL
	HANDICAP PARKING SYMBOL
	HANDICAP DETECT TABLE WARNING
	MAILBOX

	PAPER BOX
	PARKING METER
	GRAVE HEADSTONE
	EX BARBEQUE GRILL
	FUEL PUMP
	FLAG POLE
	RAISED PAVEMENT MARKER
	GUARDRAIL, CENTER POST
	GUARDRAIL, TERMINAL POST
	GUARDRAIL, BOTTOM POST
	GUARDRAIL, TOP POST
	FENCE POST
	PICNIC TABLE
	BENCH
	DECIDUOUS TREE
	EVERGREEN TREE
	STUMP
	BUSH
	IRON PIN FOUND
	SOLID IRON PIN FOUND
	IRON PIPE FOUND
	DRILL HOLE FOUND
	CHISELED "X" FOUND
	MONUMENT BOX FOUND
	MONUMENT CONCRETE FOUND
	MONUMENT RIGHT-OF-WAY FOUND
	PK NAIL FOUND
	MAG NAIL FOUND
	SPIKE FOUND
	HUB FOUND
	AXLE FOUND
	WOOD POST FOUND
	CORNER STONE FOUND
	AERIAL TARGET FOUND
	GPS CONTROL FOUND
	BENCHMARK FOUND

GENERAL SYMBOLOGY NOTES:

- THIS IS A STANDARD SHEET SHOWING COMMONLY USED SYMBOLOGY.
- ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE NEW IMPROVEMENTS SO AS TO HIGHLIGHT SPECIFIC TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
- SYMBOLOGY OR DIAGRAMMATICAL LEGENDS MAY BE SHOWN ON INDIVIDUAL SHEETS FOR SCHEDULES, DIAGRAMS, DETAILS, SCHEMATICS OR EQUIPMENT.

NEW SITE PLAN LINE SYMBOLOGY:

	NPW	WATER SERVICE LINE (POTABLE)
		NON-POTABLE WATER LINE
		GAS SERVICE LINE
		STORM SEWER LINE
		GRAVITY SANITARY SEWER LINE
		SANITARY SEWER FORCE MAIN LINE
		MAJOR CONTOUR
		MINOR CONTOUR
		STATIONING
		CONSTRUCTION FENCE
		SILT FENCE
		FILTER FENCE
		FILTER SOCK

NEW PLAN HATCHING:

	NEW SIDEWALK
	NEW PAVEMENT AREA

DEMOLITION:

	UTILITY LINE OR OBJECT TO BE REMOVED OR ABANDONED AS SHOWN ON THE DRAWINGS
	TREE REMOVAL

Sheet List Table	
Sheet Number	Sheet Title
01	COVER SHEET
02	SITE LEGEND AND SHEET INDEX
03	GENERAL NOTES
04	CONSTRUCTION DETAILS 1
05	CONSTRUCTION DETAILS 2
06-50	PLAN AND PROFILES

NEW SITE SYMBOLOGY:

	SANITARY MANHOLE
	SANITARY MANHOLE, ADJUST
	SANITARY CLEANOUT
	SANITARY LINE CAP
	SANITARY STRUCTURE NUMBER
	SANITARY VENT PIPE
	STORM MANHOLE (SOLID GRATE)
	STORM MANHOLE (OPEN GRATE)
	STORM MANHOLE, ADJUST
	CURB INLET
	CURB INLET (DOUBLE)
	CURB INLET, ADJUST
	CURB INLET (DOUBLE), ADJUST
	CATCH BASIN
	CATCH BASIN (SOLID)
	CATCH BASIN, ADJUST
	CATCH BASIN (SIDE INLET)
	DRAIN
	DOWNSPOUT
	STORM CLEANOUT
	STORM LINE CAP
	STORM HEADWALL
	STORM STRUCTURE NUMBER
	ROCK CHANNEL PROTECTION
	SURFACE DRAINAGE FLOW
	SURFACE DRAINAGE FLOW
	STORM FLOOD ROUTING ARROW
	FIRE HYDRANT
	FIRE HYDRANT, ADJUST
	WATER SIAMESE CONNECTION
	WATER VALVE
	WATER VALVE BOX
	WATER METER
	WATER LINE REDUCER
	WATER LINE CAP
	WATER LINE PLUG
	POST INDICATOR VALVE
	WATER MANHOLE
	WATER CORPORATION STOP
	WATER FLUSHING ASSEMBLY
	WATER METER
	WATER CURB STOP

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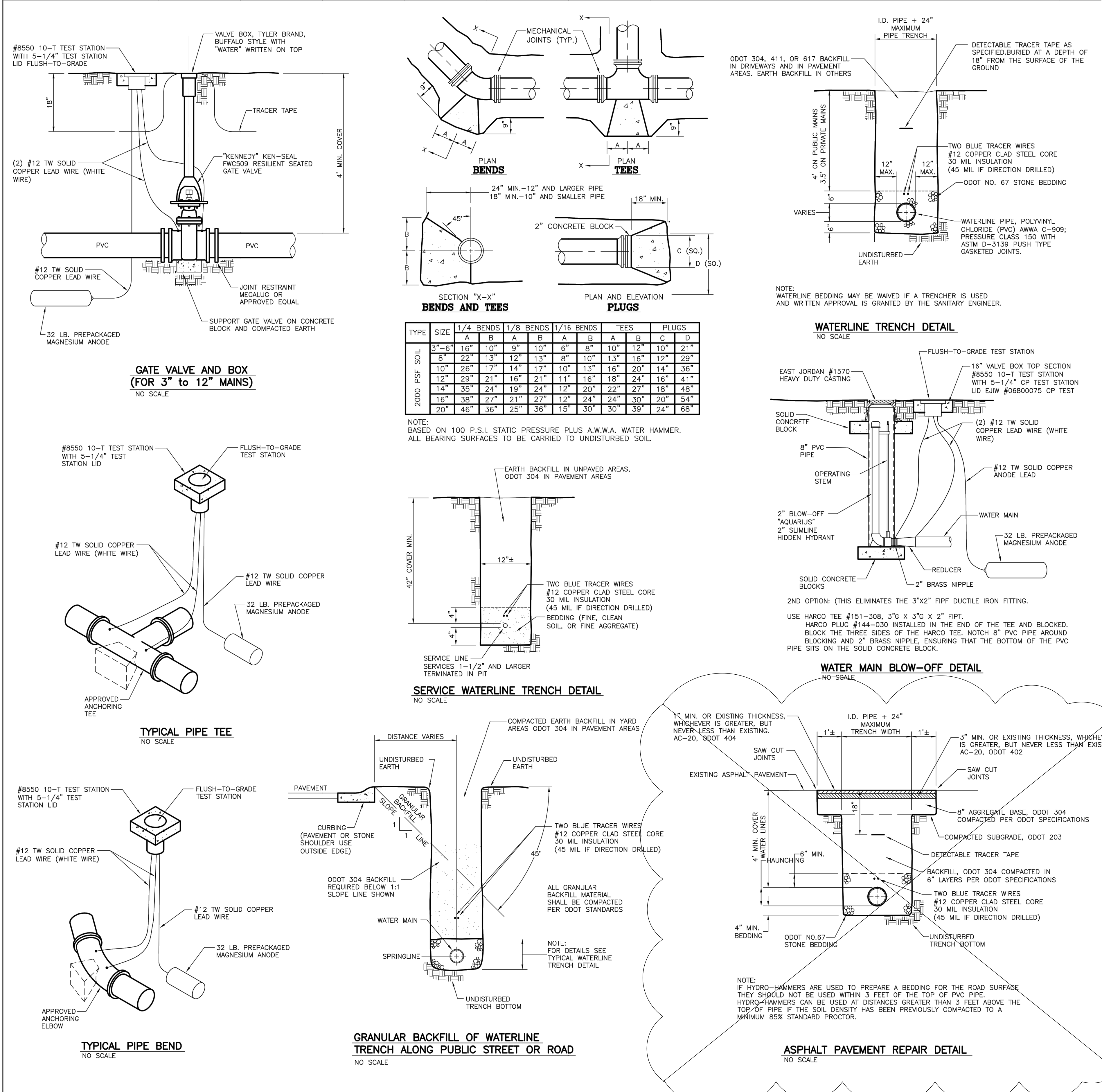
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JOHNSON ISLAND WATER MAIN
EXTENSION

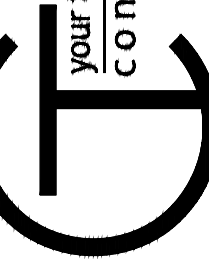
SITE LEGEND AND SHEET INDEX

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
LEGEND	
SHEET	OF
02	51



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CONSTRUCTION DETAILS 1

PROJECT NO.

210900

DISCIPLINE

CIVIL

SHEET NAME

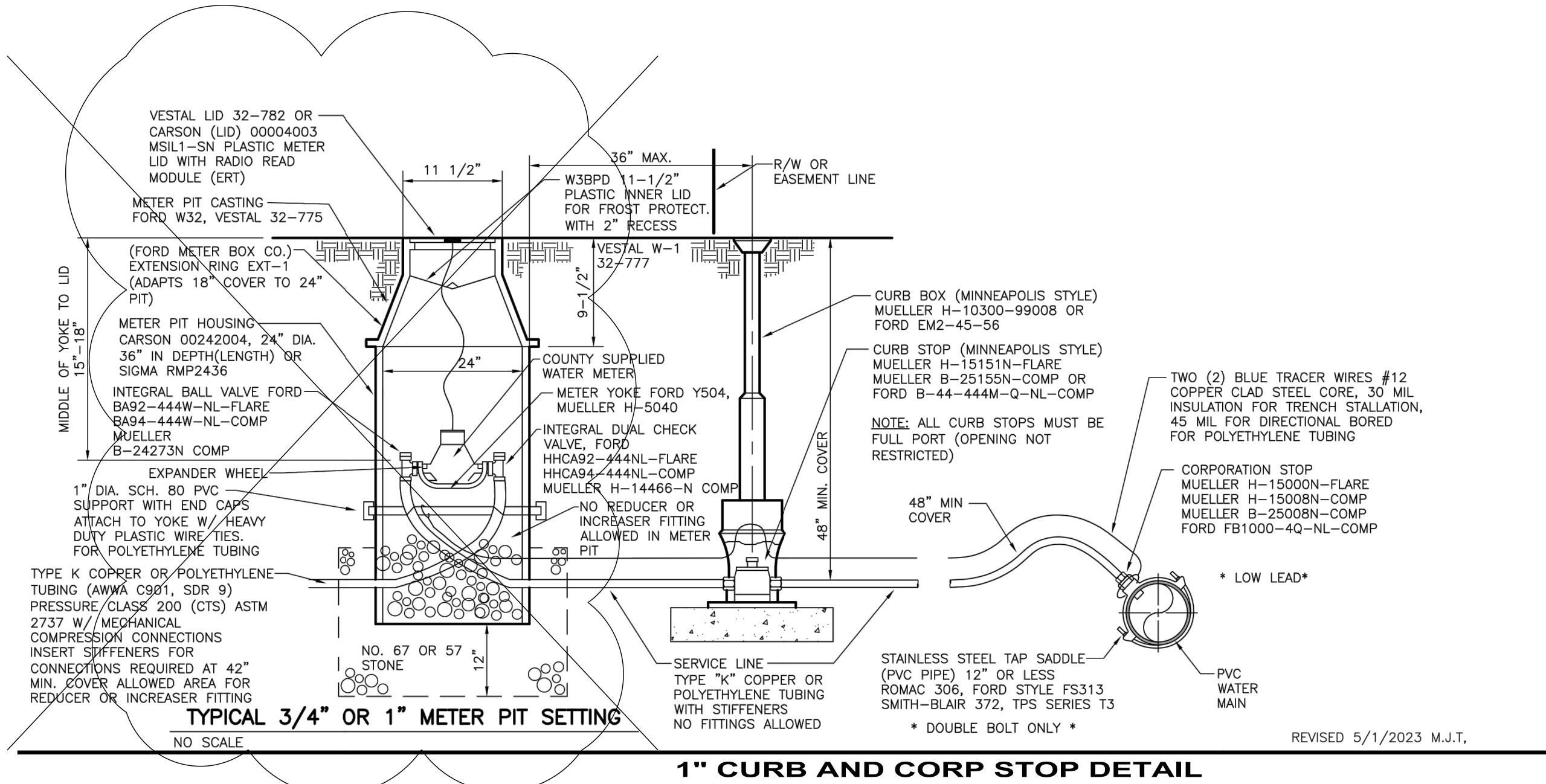
STD DETAILS

SHEET

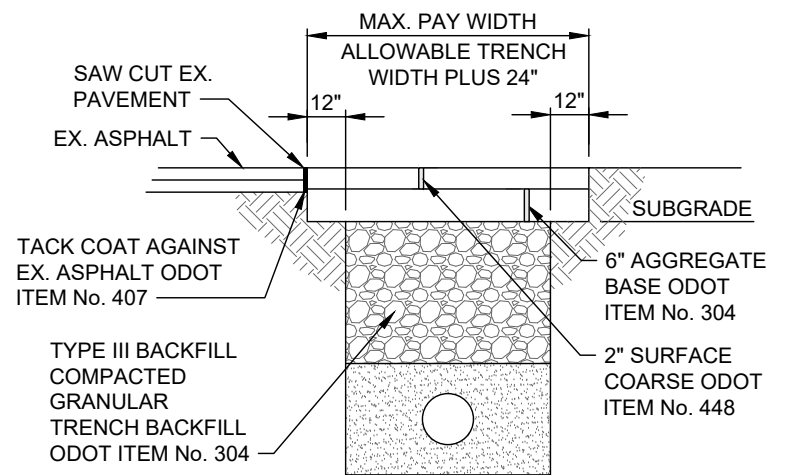
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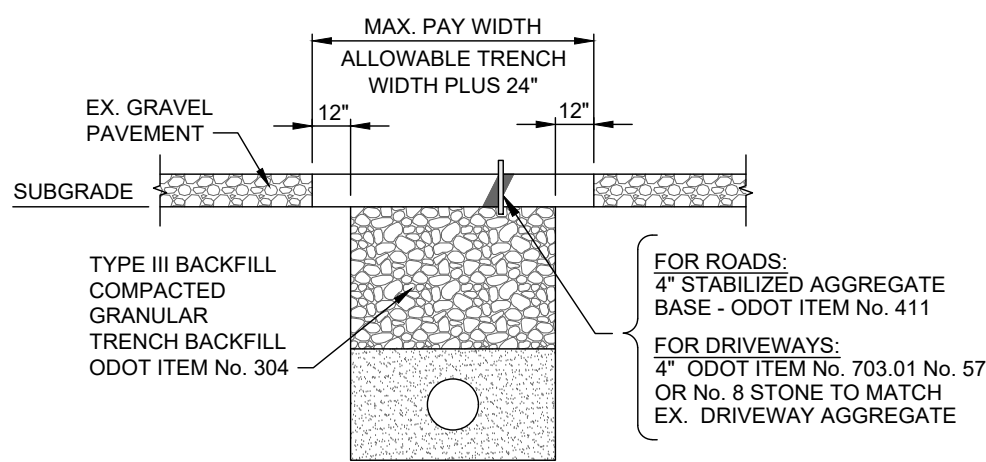
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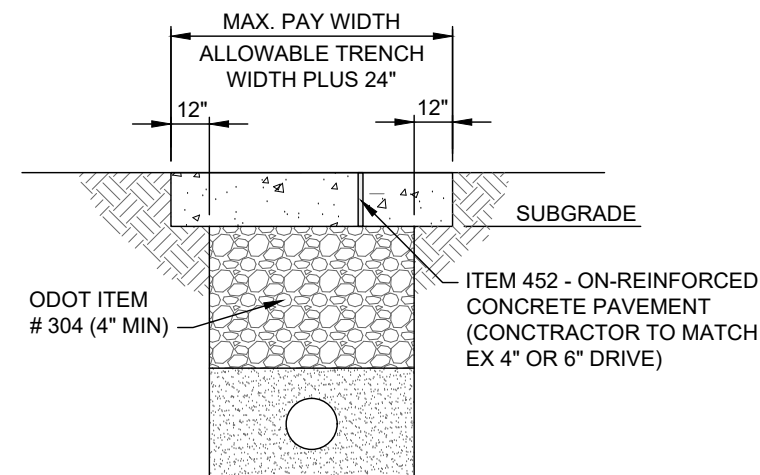
1" CURB AND CORP STOP DETAIL



ASPHALT DRIVEWAY PAVEMENT REPLACEMENT N.T.S.



GRAVEL ROADWAY & DRIVEWAY REPLACEMENT N.T.S.



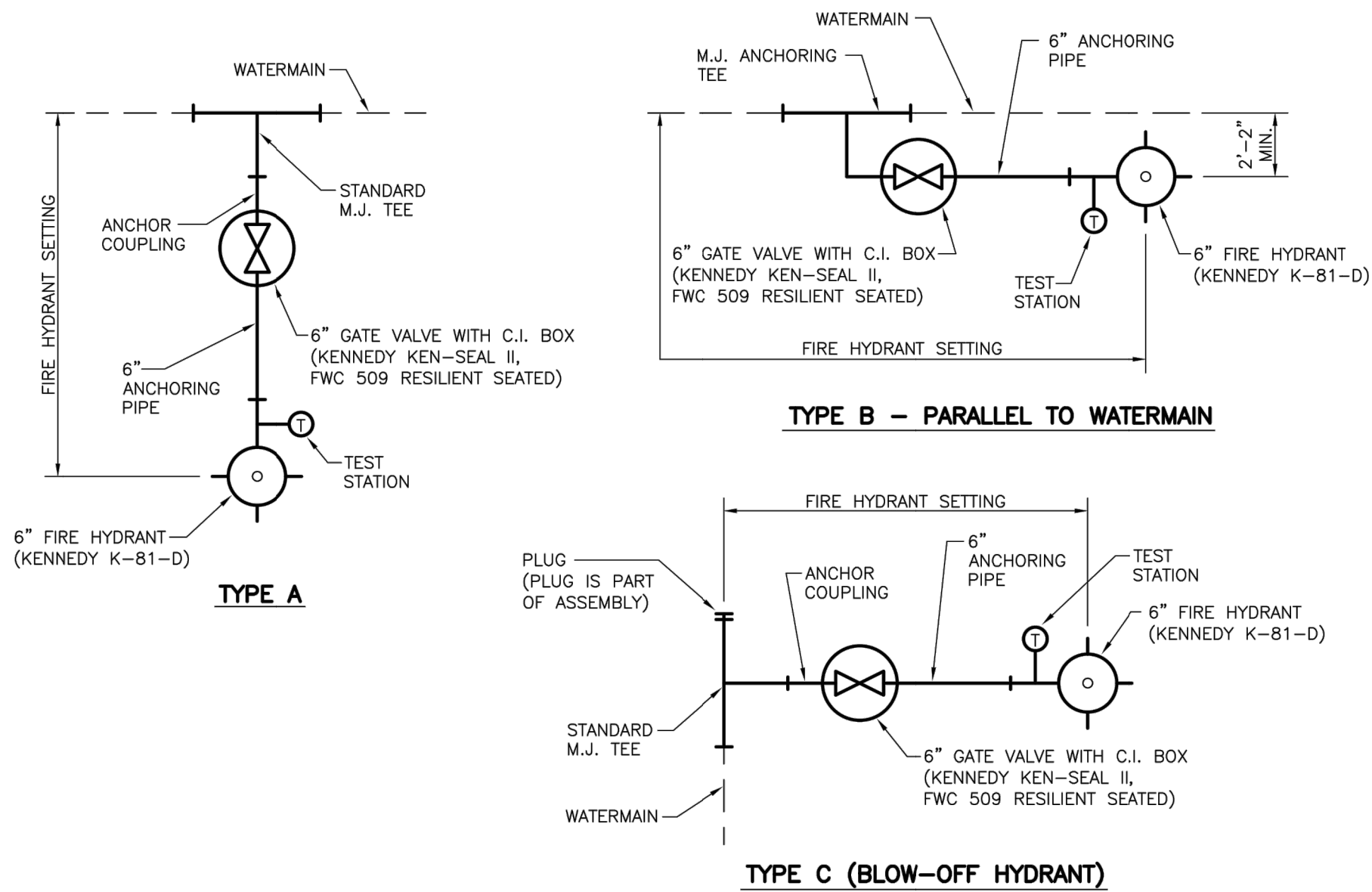
CONCRETE DRIVEWAY REPLACEMENT N.T.S.

NOTES:

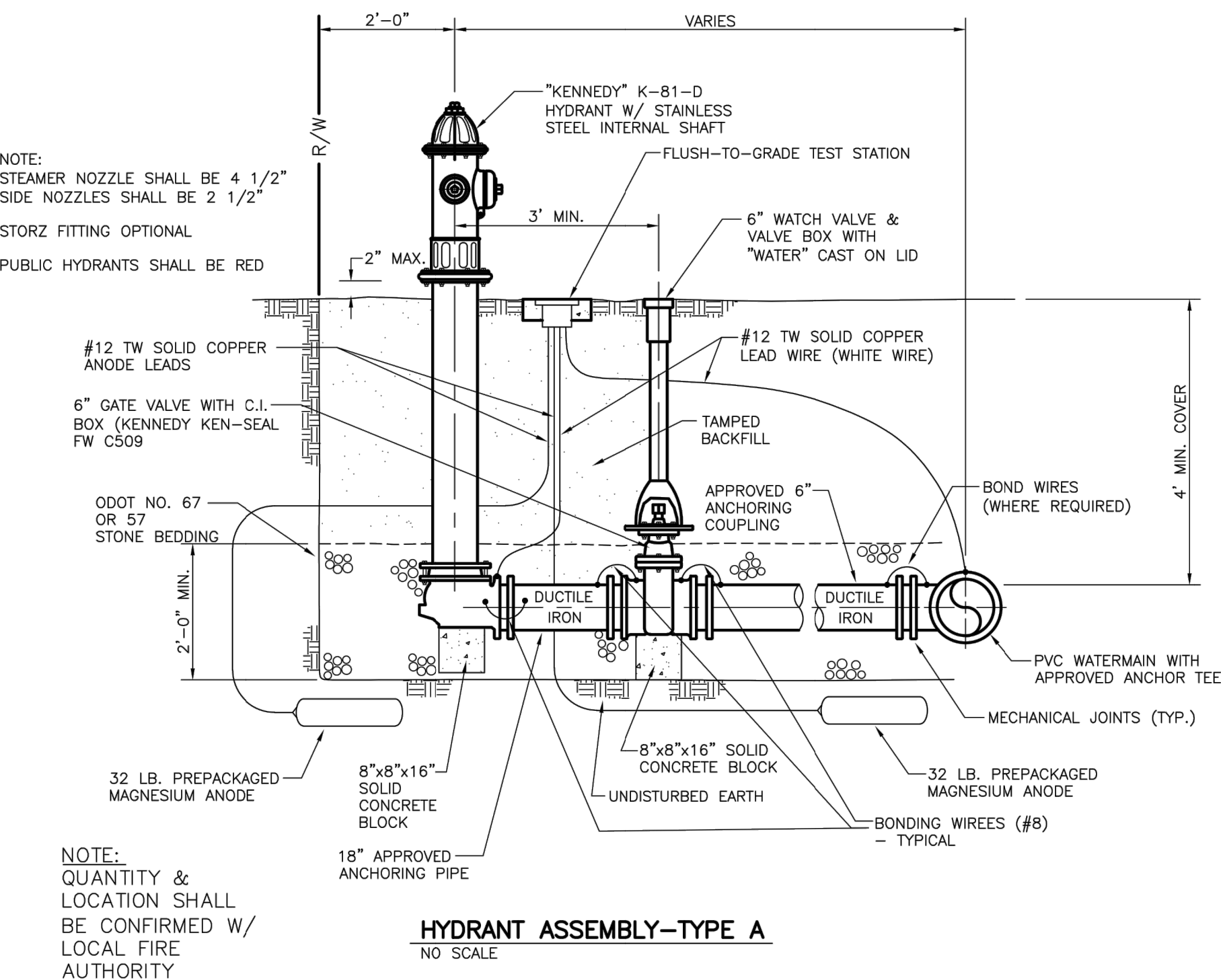
- CONCRETE DRIVES TO BE REPLACED TO THE NEAREST PAVEMENT JOINT OR AS DIRECTED BY THE ENGINEER
- THE SURFACE OF ALL DRIVE APRONS, DRIVEWAYS AND SIDEWALKS SHALL HAVE A MEDIUM BROOM FINISH AND WINDOW PANE DOUBLE STRUCK EDGING.

OTTAWA COUNTY SEWER DISTRICT STANDARD WATERLINE DETAILS AND SPECIFICATIONS

1/4



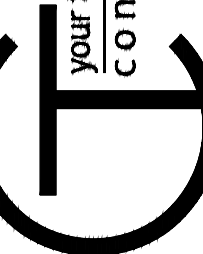
FIRE HYDRANT SETTING TYPES



HYDRANT ASSEMBLY-TYPE A NO SCALE

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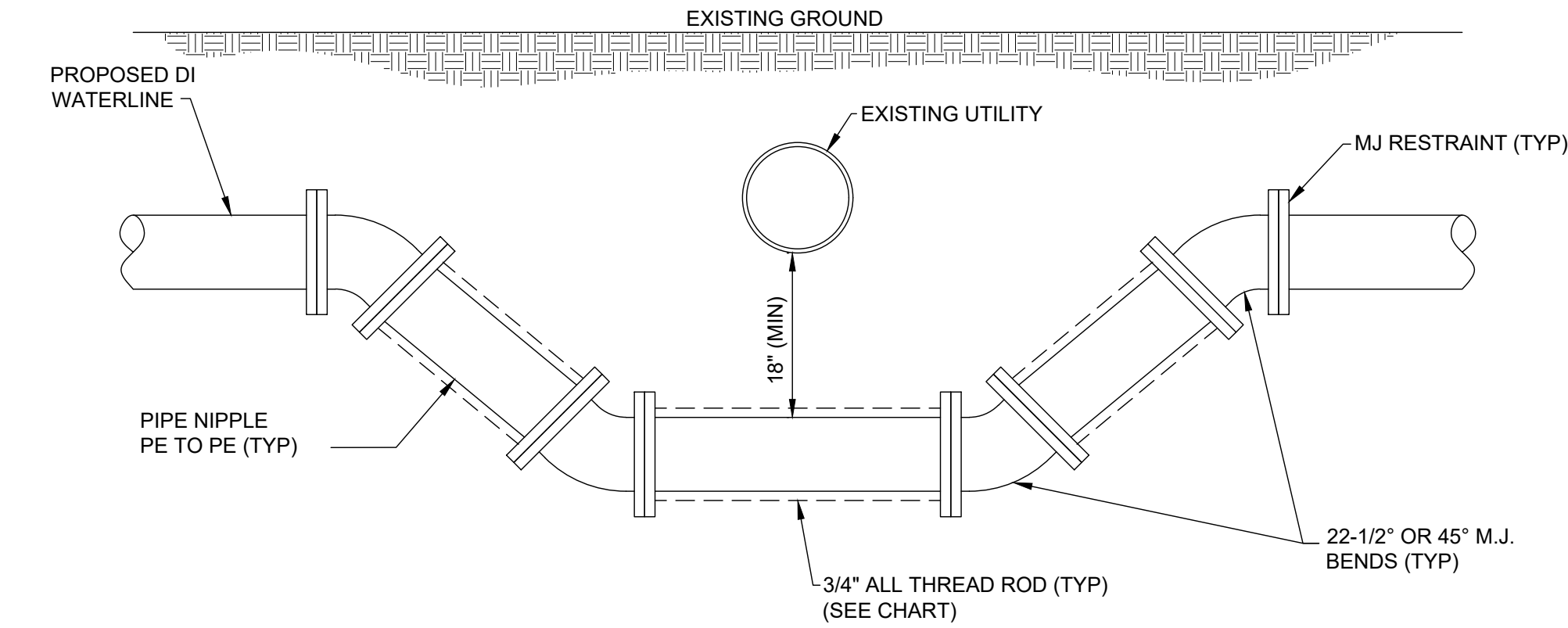
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JOHNSON ISLAND WATER MAIN EXTENSION

CONSTRUCTION DETAILS 2

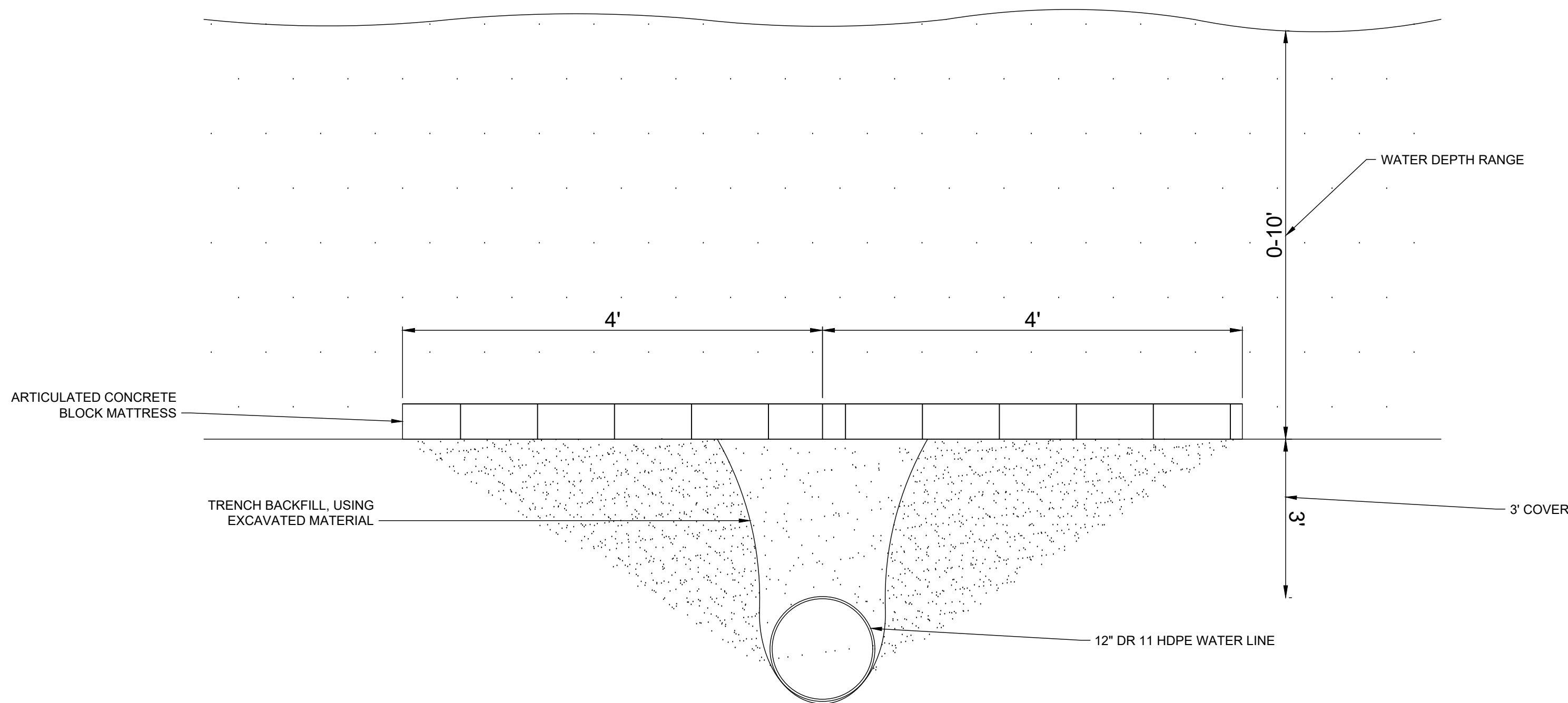
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REVISED 5/02/2023 M.J.T.

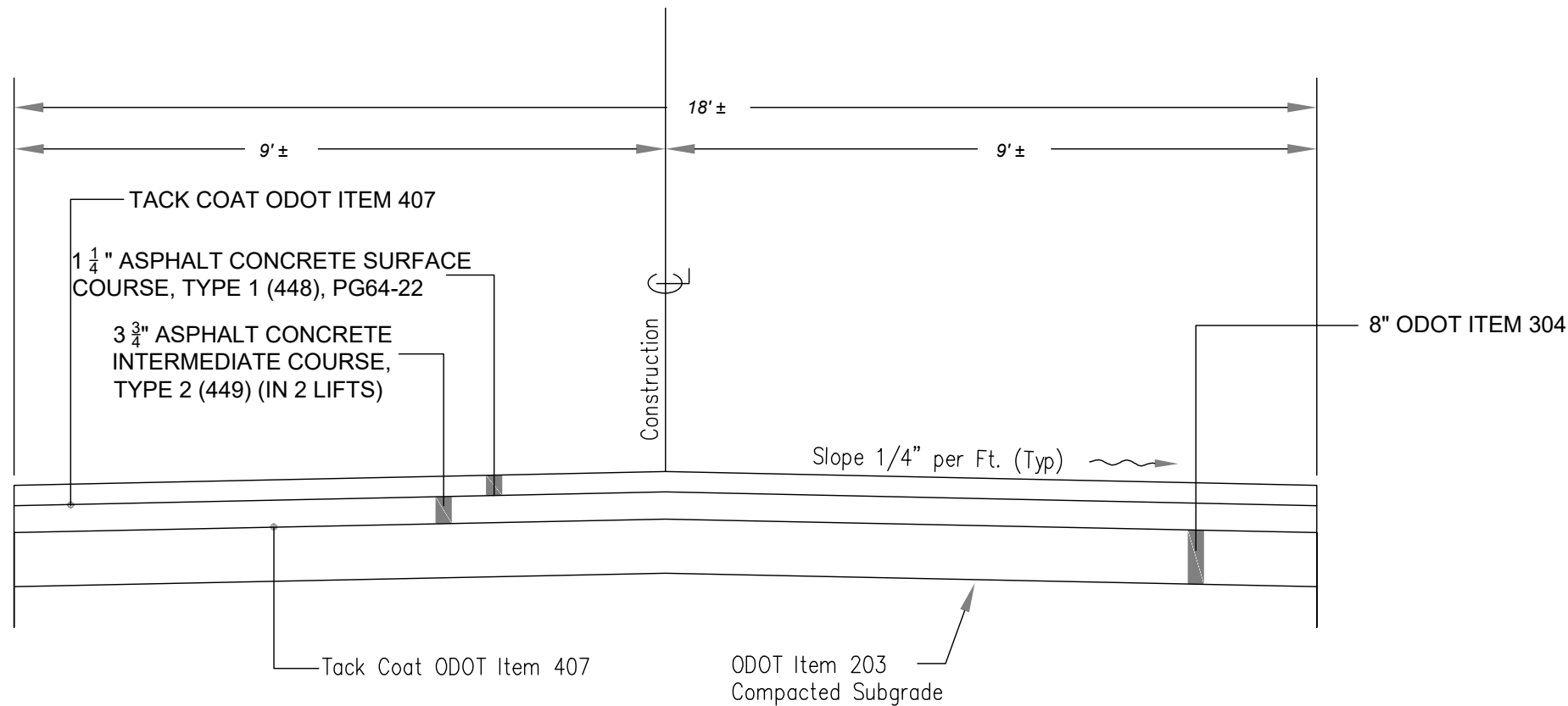


- NOTES:
- WHERE EXISTING UTILITY GRADE CONFLICTS WITH GRADE OF PROPOSED WATERLINE, PROPOSED WATERLINE SHALL BE ADJUSTED IN GRADE TO PROVIDE A MINIMUM SEPARATION DISTANCE OF 18" BETWEEN UTILITIES.
 - ALL JOINTS INVOLVED IN GRADE ADJUSTMENT SHALL INCORPORATE MECHANICAL JOINTS AND SHALL BE RESTRAINED.

TYPICAL WATERLINE GRADE ADJUSTMENT
N.T.S.



MARINE PIPELINE CROSSING
N.T.S.

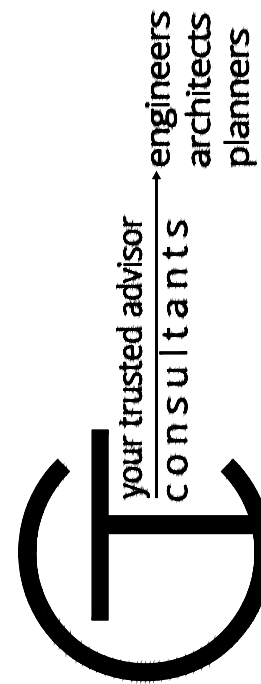


TYPICAL ASPHALT PAVEMENT SECTION

SCALE 1" = 2'

- NOTE:
- Contractor is responsible for removal and disposal offsite of existing pavement, base and other materials as required to prepare subgrade per ODOT Item 203. Any material removed can be recycled into the new pavement section if an approved testing company certifies the recycled material meets specifications.

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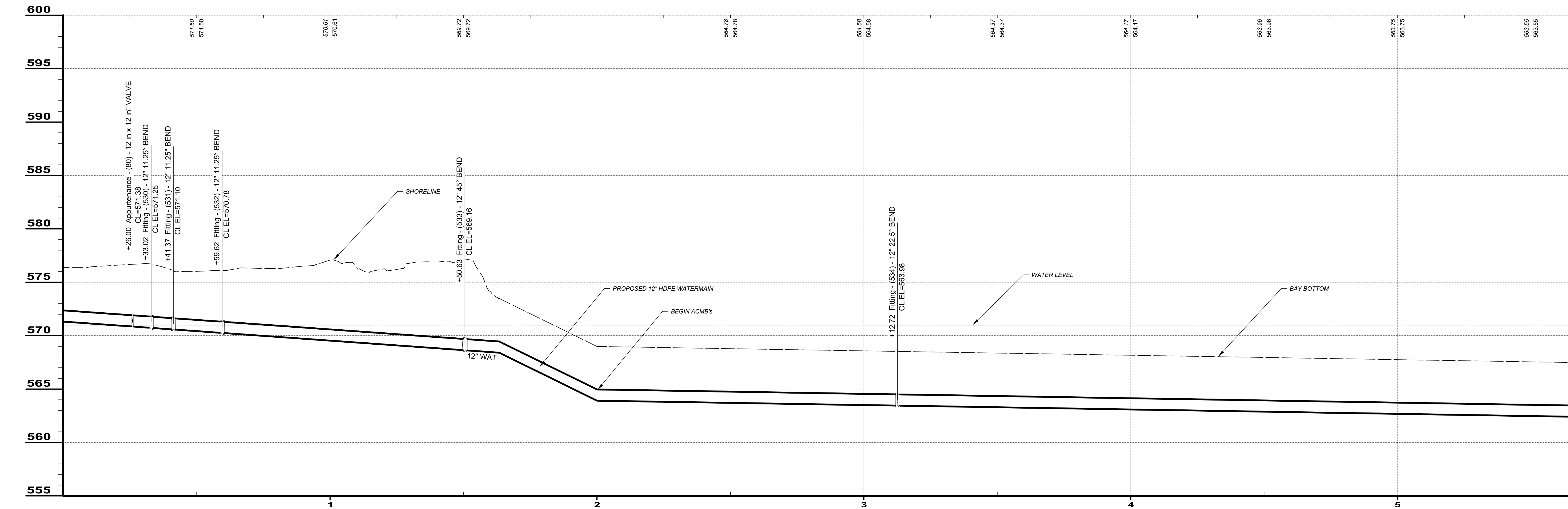
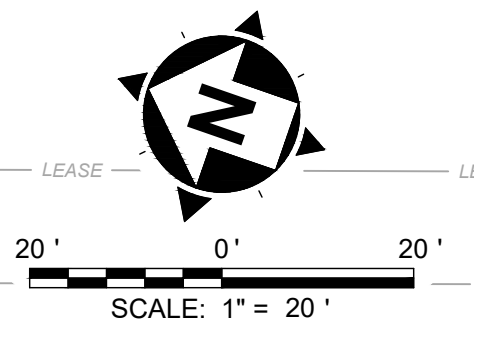
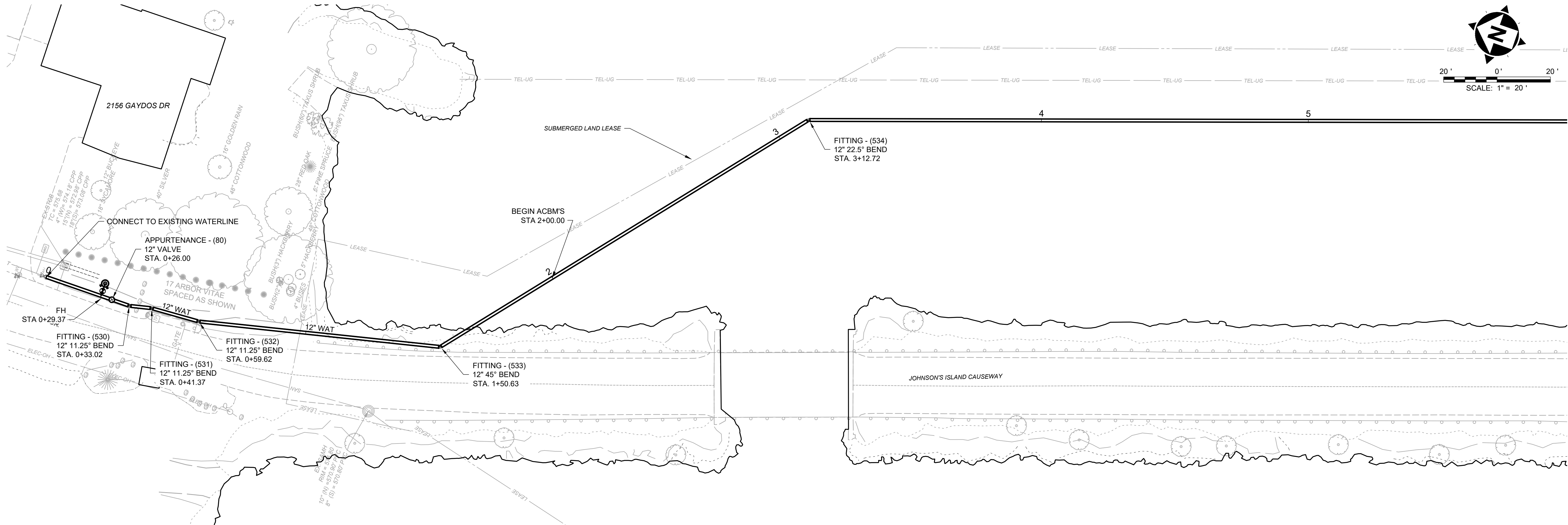


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CONSTRUCTION DETAILS 3

PROJECT NO. 210900	
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SHEET 06	OF 51



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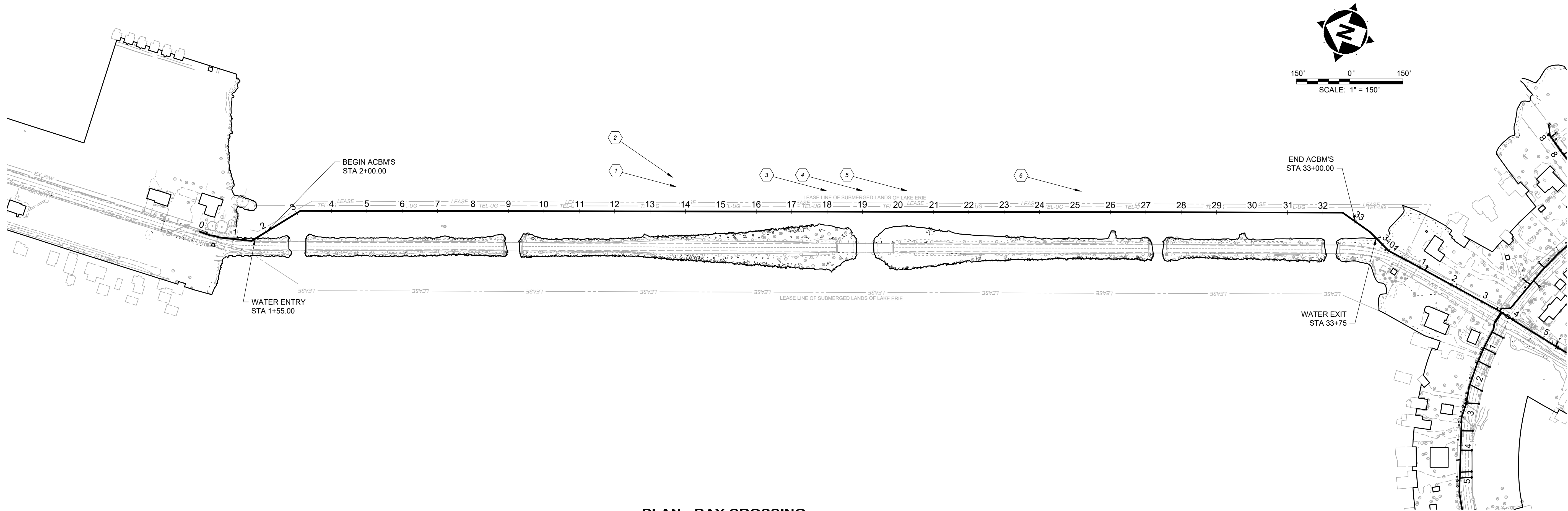
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EXTENSION**

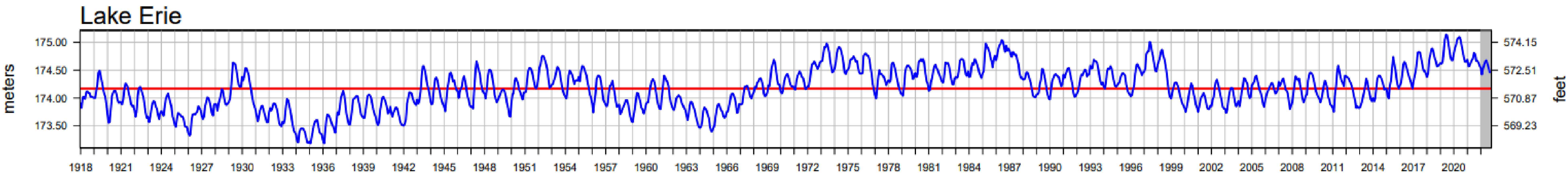
BAY CROSSING ENTRY

PROJECT NO.	210900
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SHEET NAME	BC ENTRY
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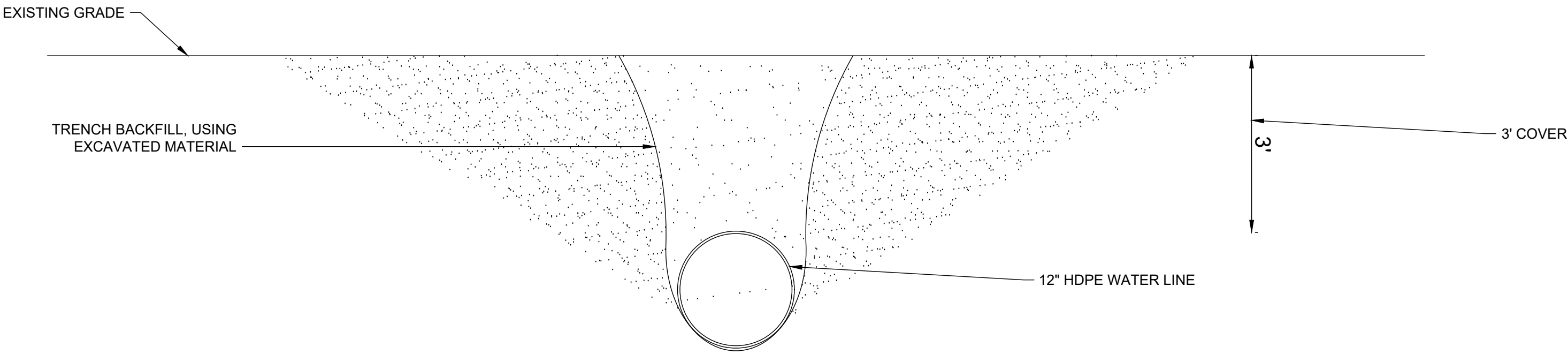


PLAN - BAY CROSSING

PROBED BOTTOM OF BAY				
POINT #	LATTITUDE	LONGITUDE	WATER DEPTH (FT)	BOTTOM THICKNESS AT REFUSAL (FT)
1	42.50896	-82.73137	2	5
2	41.50919	-82.73108	2	5
3	41.50771	-82.7364	9.5	2
4	41.50742	-82.73055	9	2
5	41.50704	-82.73035	3.5	4
6	41.50607	-82.72988	3	3.5



LAKE ERIE WATER DEPTH CHART



- SHORELINE CONNECTION GENERAL NOTES:
- BACKFILL IS TO BE DONE USING EXCAVATED MATERIALS.
 - SHORELINE SHALL BE RESTORED TO INITIAL CONDITIONS. NO NEW STRUCTURES THAT WILL ACT TO CONTROL EROSION, WAVE ACTION, OR FLOODING IS PERMITTED.

WATERLINE SHORELINE CONNECTION
N.T.S.

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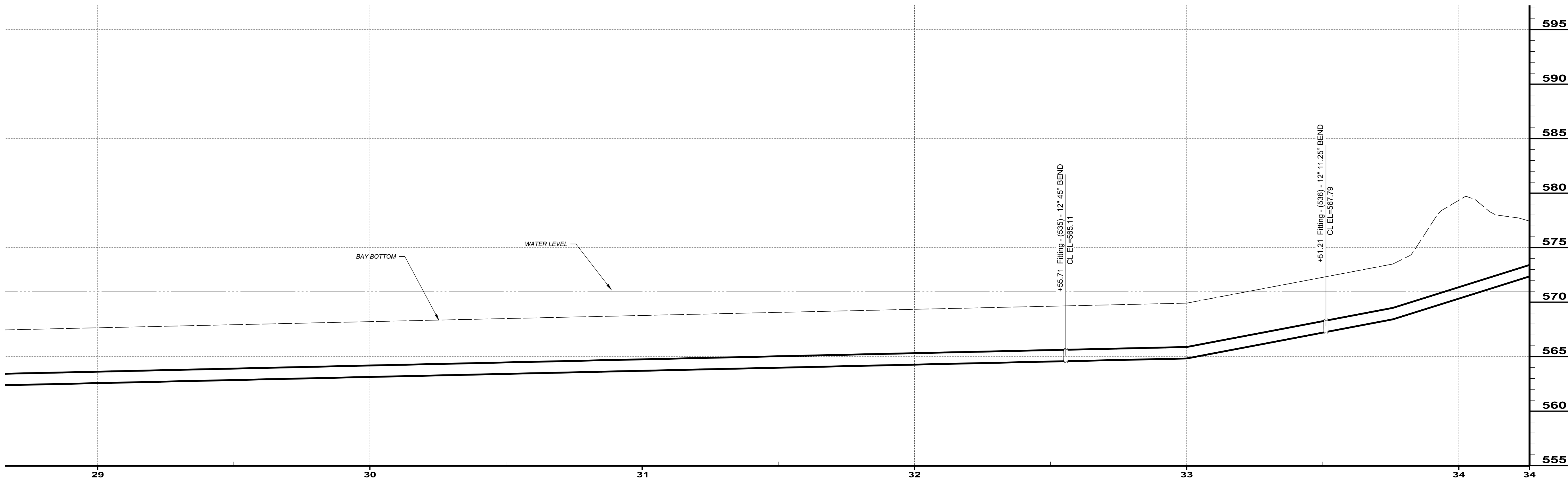
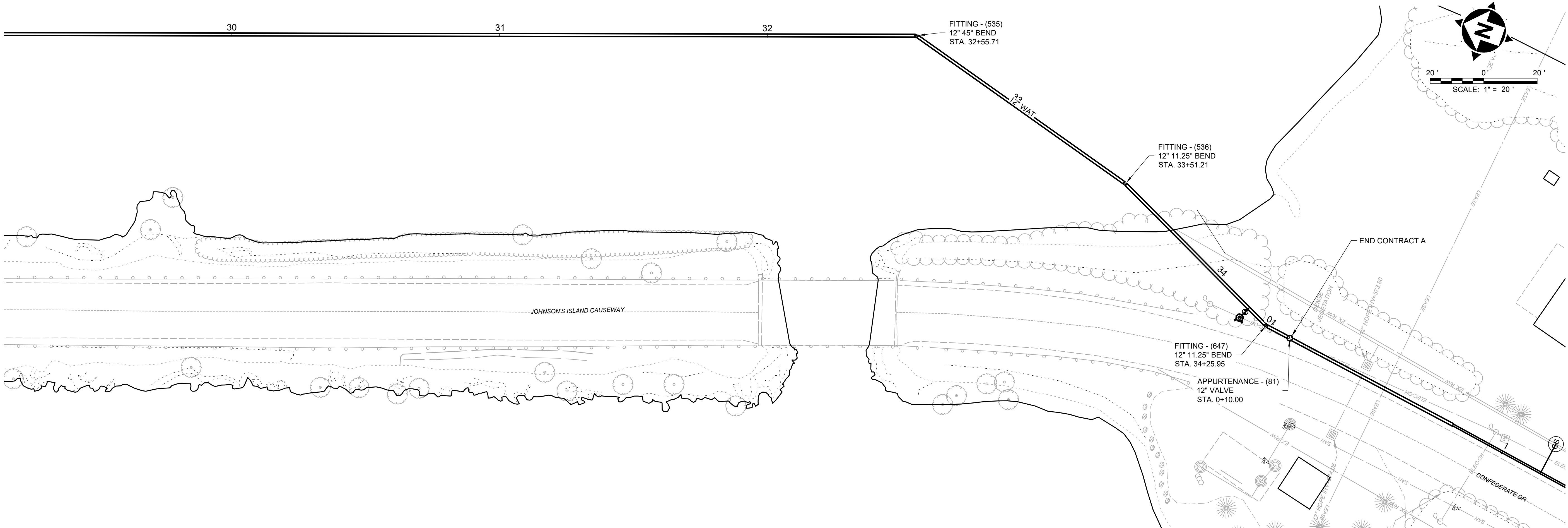
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JOHNSON ISLAND WATER MAIN
EXTENSION

BAY CROSSING

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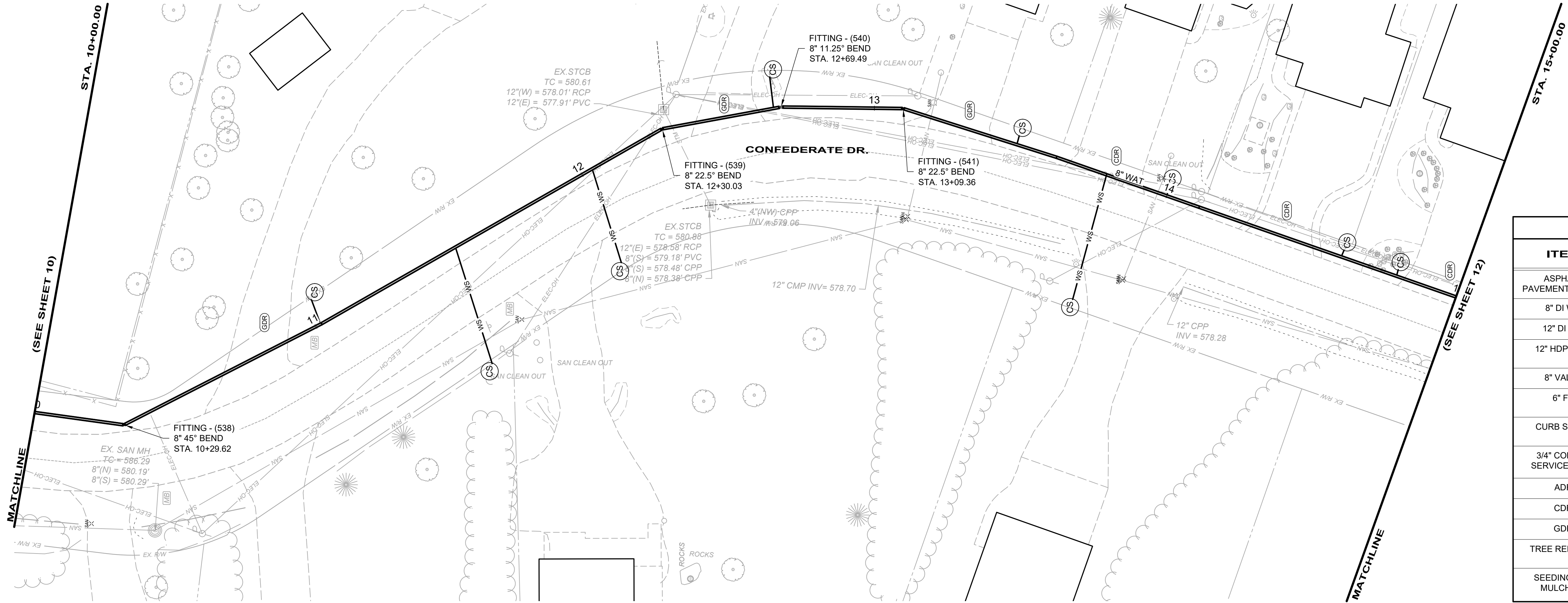
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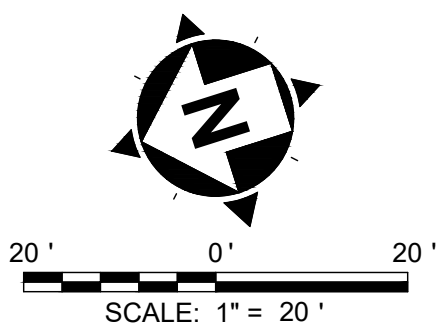
JOHNSON ISLAND WATER MAIN
EXTENSION

BAY CROSSING EXIT

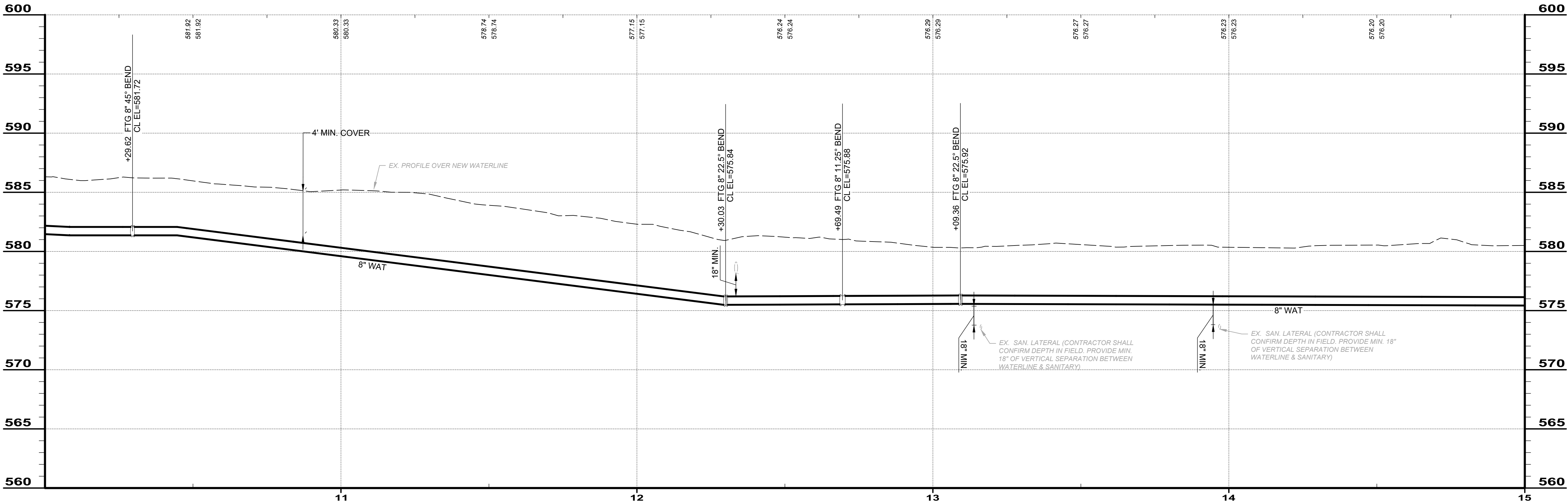
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DISCIPLINE CIVIL	
SHEET NAME BC EXIT	
SHEET 09	OF 51



PLAN - WAT RUN 1-3



RUN 1-3		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	0	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	178	LF
ADR	0	SY
CDR	7	SY
GDR	7	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY



PIPE RUN 1-3

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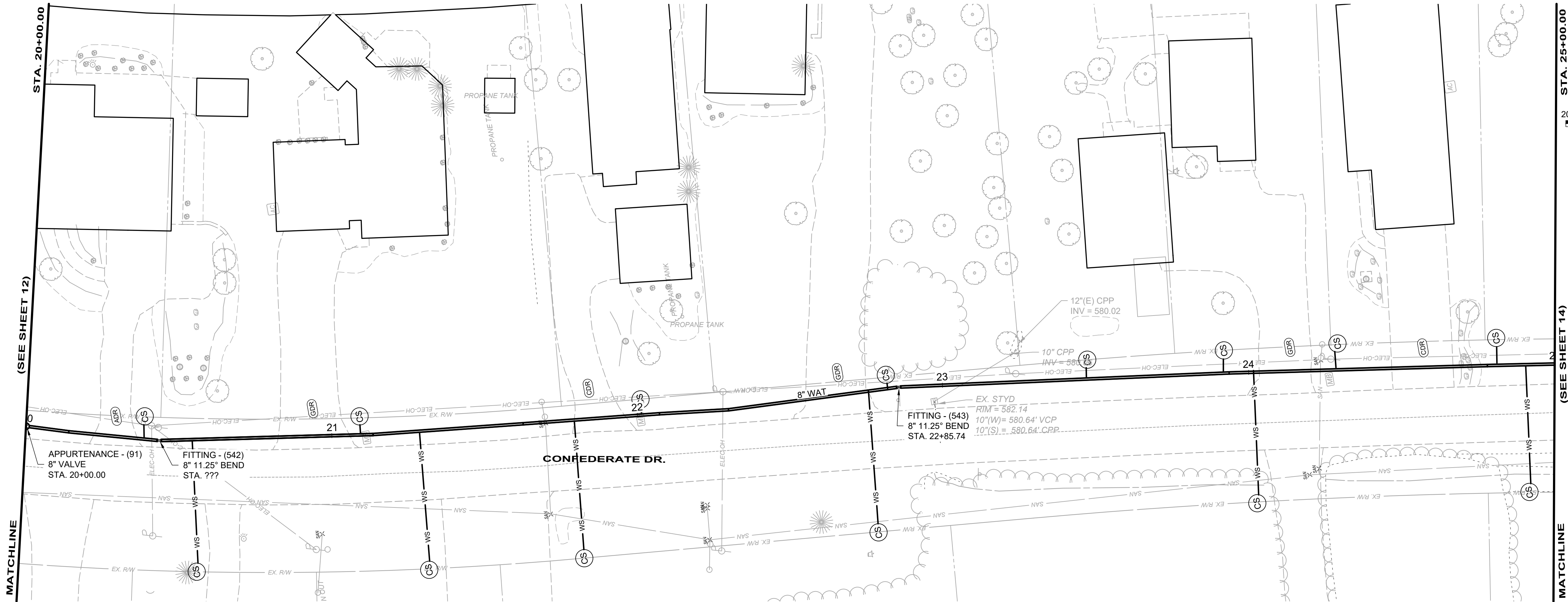
planners

ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
CHECKED BY:	DEB			

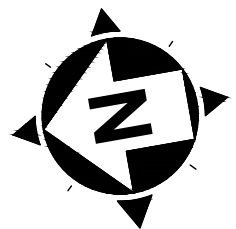
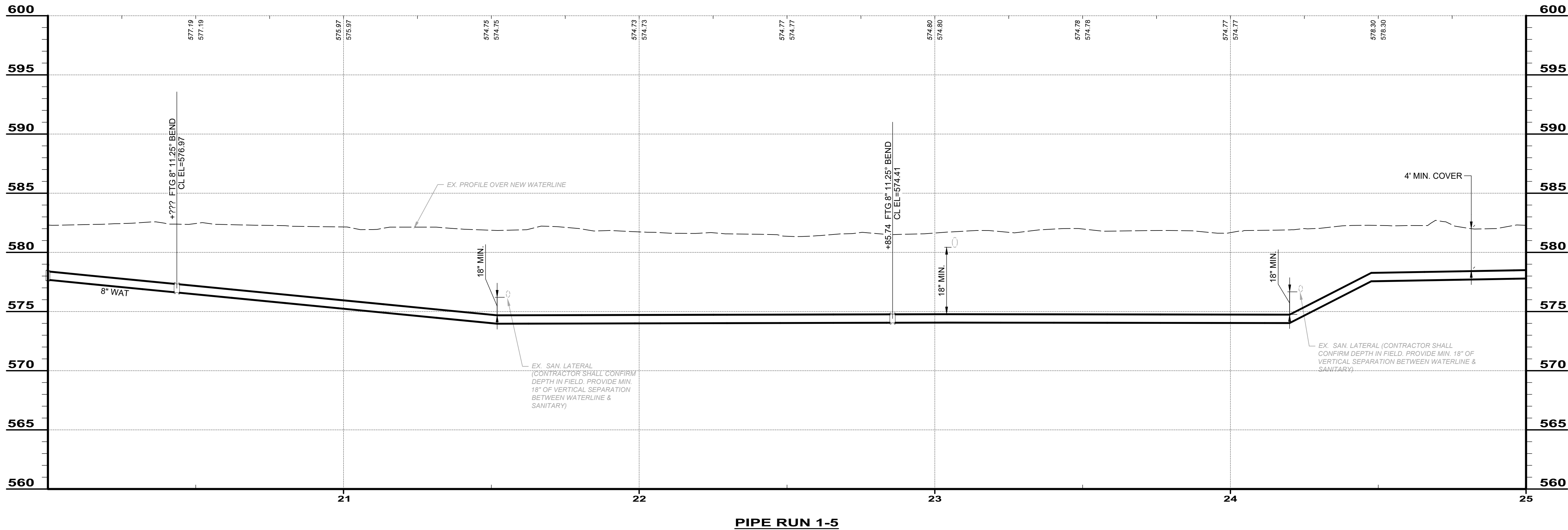
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 1-3

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 1-3	
SHEET 12	OF 51



RUN 1-5		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	0	EA
CURB STOPS	13	EA
3/4" COPPER SERVICE LINES	232	LF
ADR	2	SY
CDR	4	SY
GDR	6	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY



SCALE: 1" = 20'

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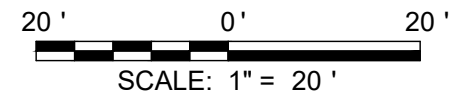
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 1-5

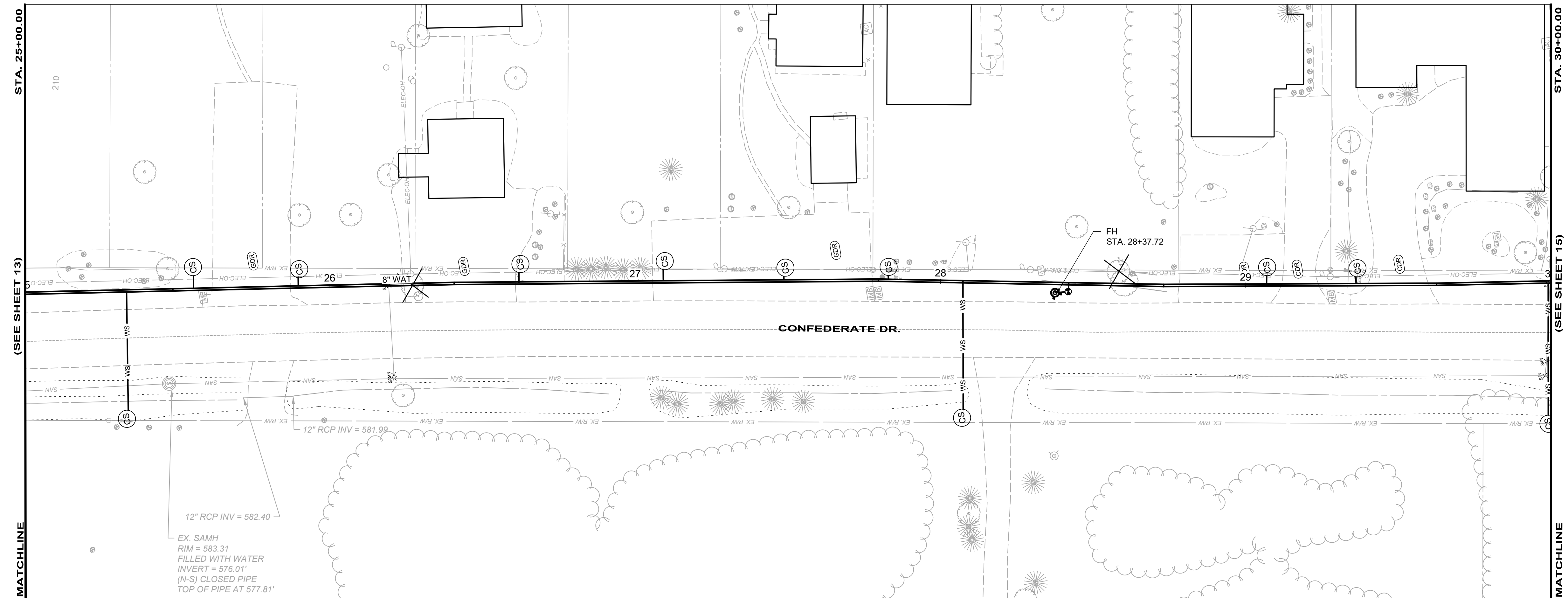
PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 1-5	
SHEET 14	OF 51

JOHNSON ISLAND WATER MAIN EXTENSION	RUN 1-6
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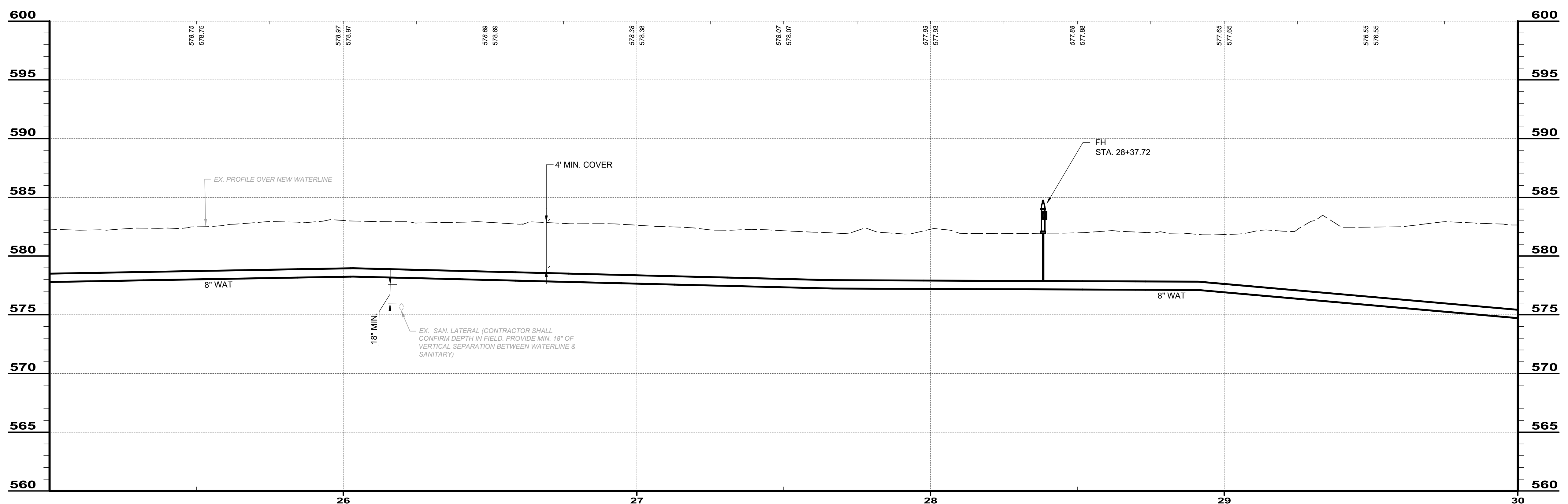
PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 1-6	
SHEET	OF
15	51



RUN 1-6		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	11	EA
3/4" COPPER SERVICE LINES	145	LF
ADR	0	SY
CDR	4	SY
GDR	14	SY
TREE REMOVAL	2	EA
SEEDING AND MULCHING	556	SY



PLAN - WAT RUN 1-6

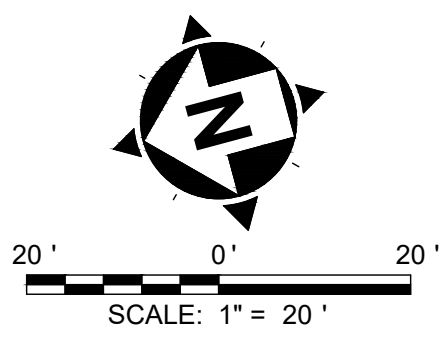
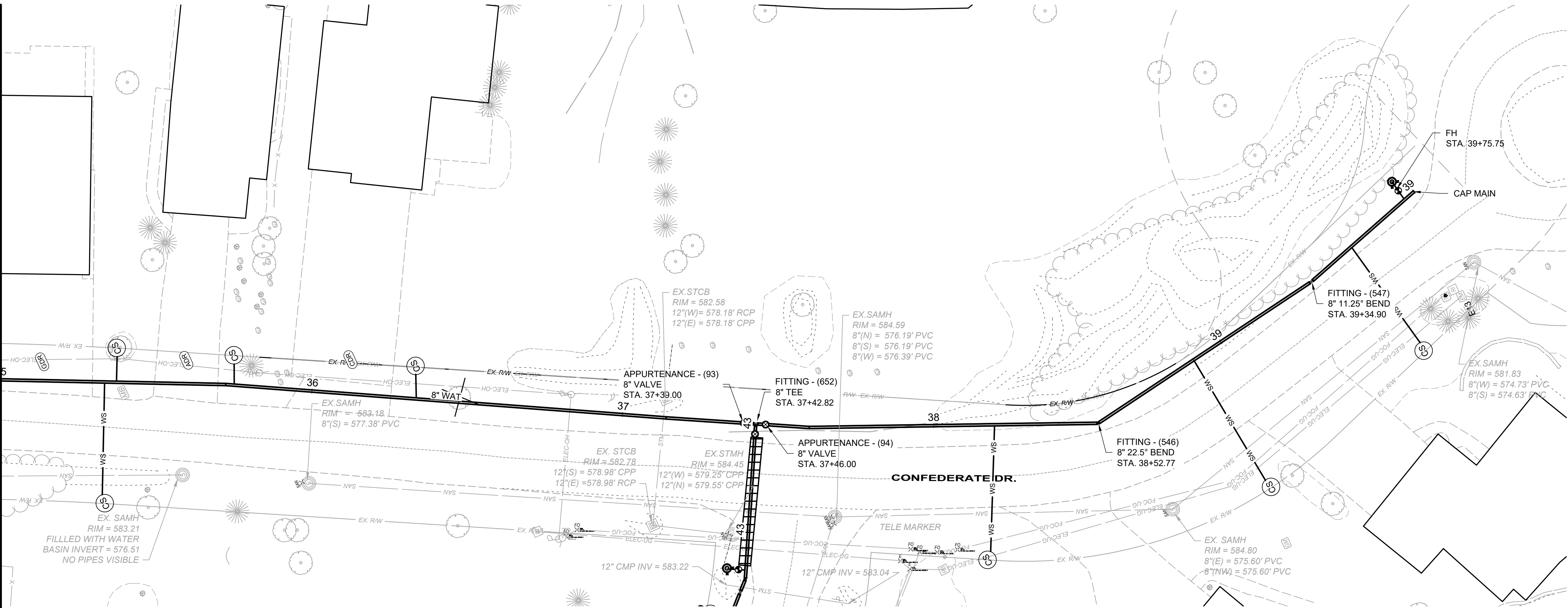


PIPE RUN 1-6

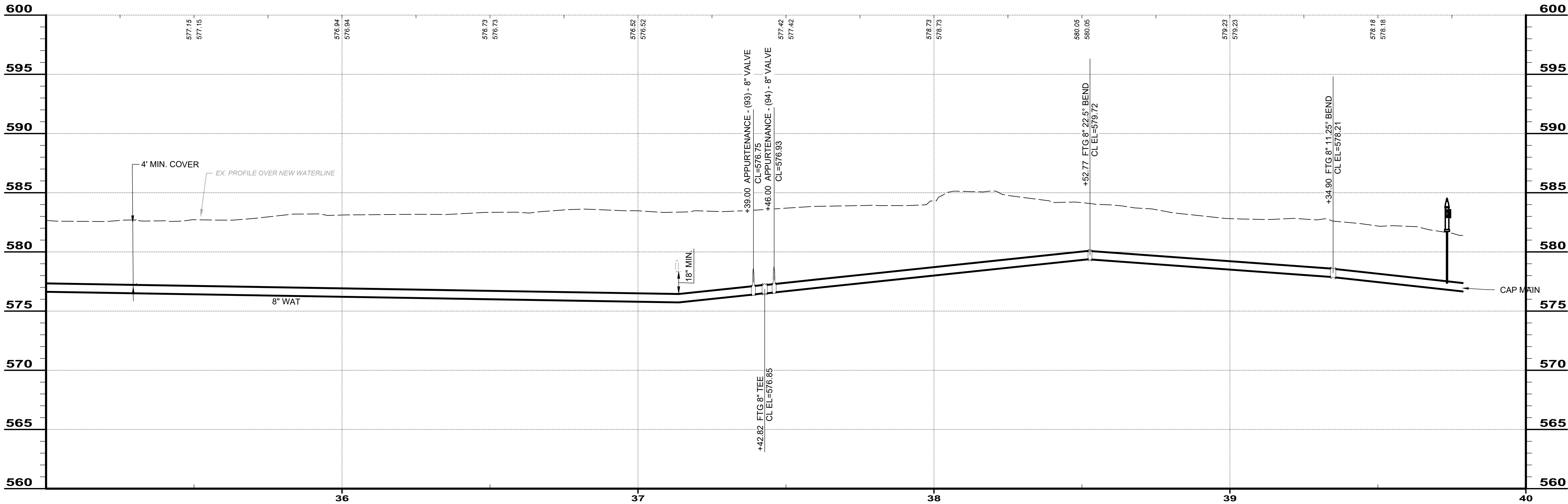
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(SEE SHEET 15)

MATCHLINE



RUN 1-8		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	479	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	2	EA
6" FH	1	EA
CURB STOPS	6	EA
3/4" COPPER SERVICE LINES	145	LF
ADR	2	SY
CDR	3	SY
GDR	3	SY
TREE REMOVAL	1	EA
SEEDING AND MULCHING	532	SY



PIPE RUN 1-8

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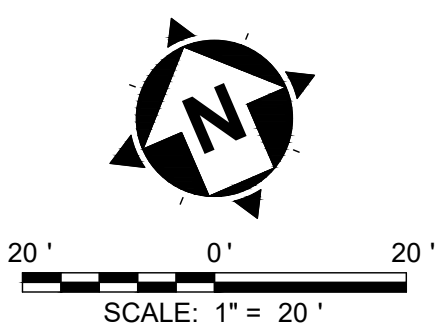
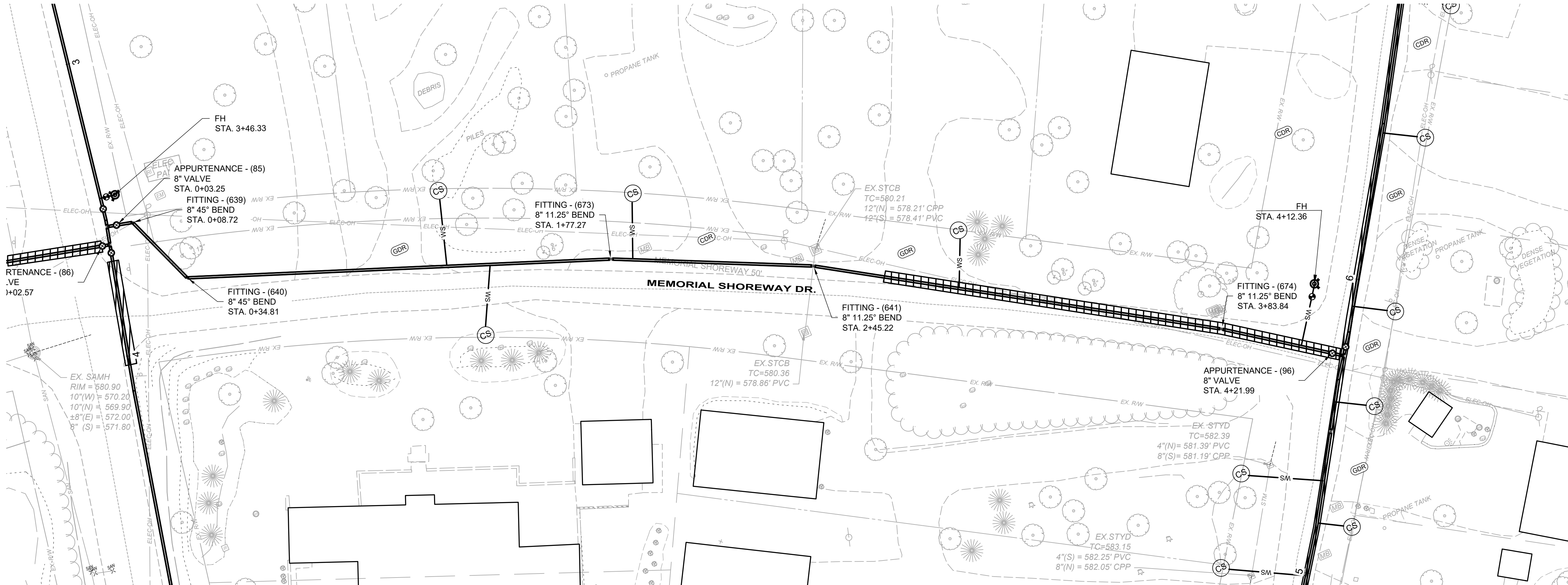
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JOHNSON ISLAND WATER MAIN
EXTENSION

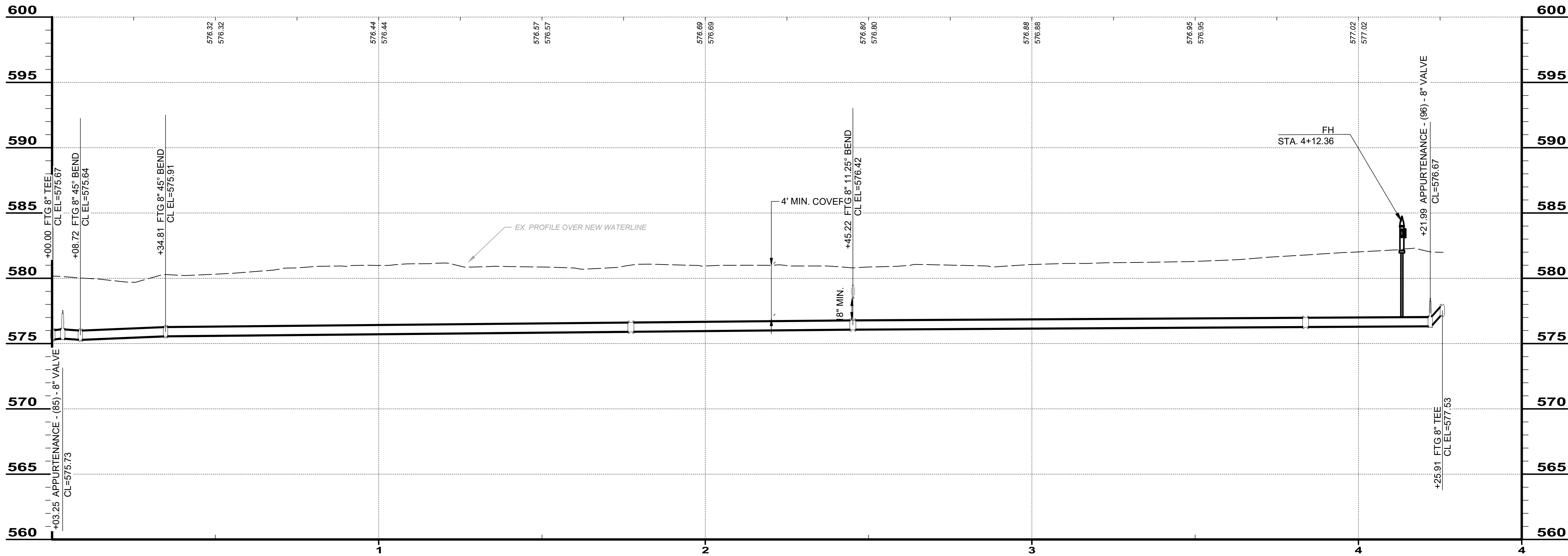
RUN 1-8

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 1-8	
SHEET	OF
17	51



RUN 2A		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	68	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	2	EA
6" FH	1	EA
CURB STOPS	4	EA
3/4" COPPER SERVICE LINES	78	LF
ADR	0	SY
CDR	9	SY
GDR	6	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	384	SY

PLAN - WAT RUN 2A



PIPE RUN 2A

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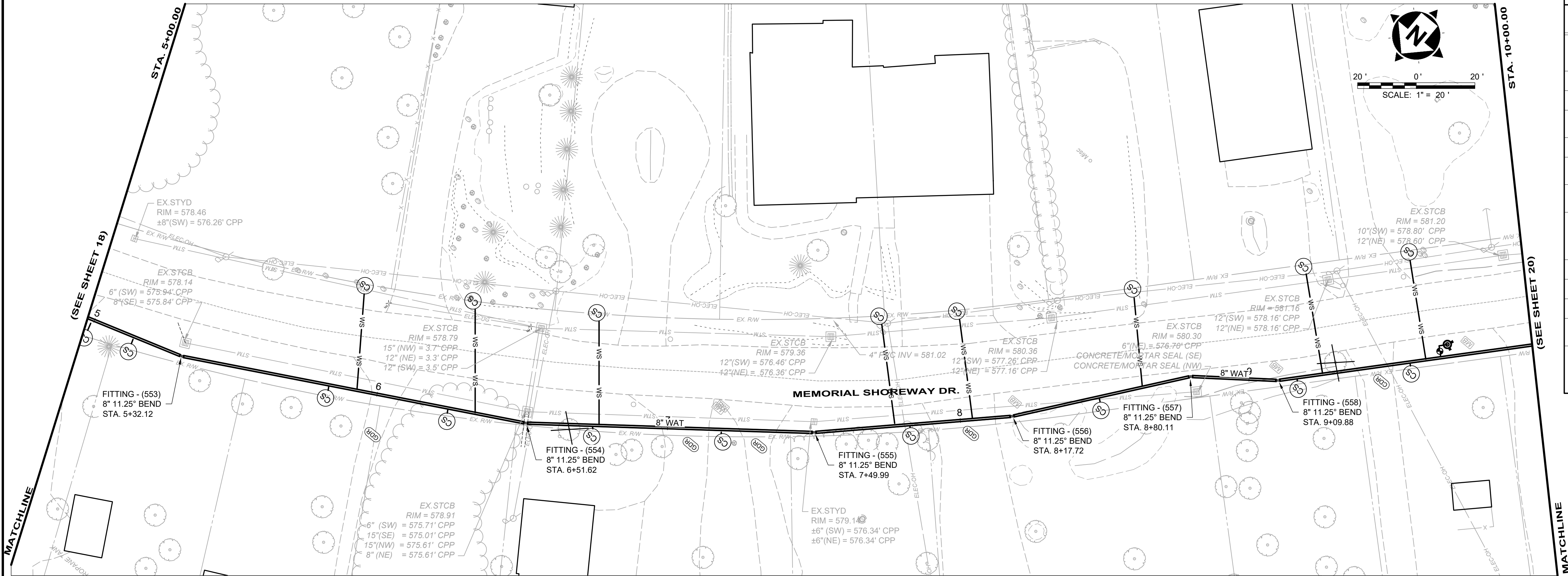
consultants

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BID	11/24/2025	
ISSUE DATE:	AS SHOWN	
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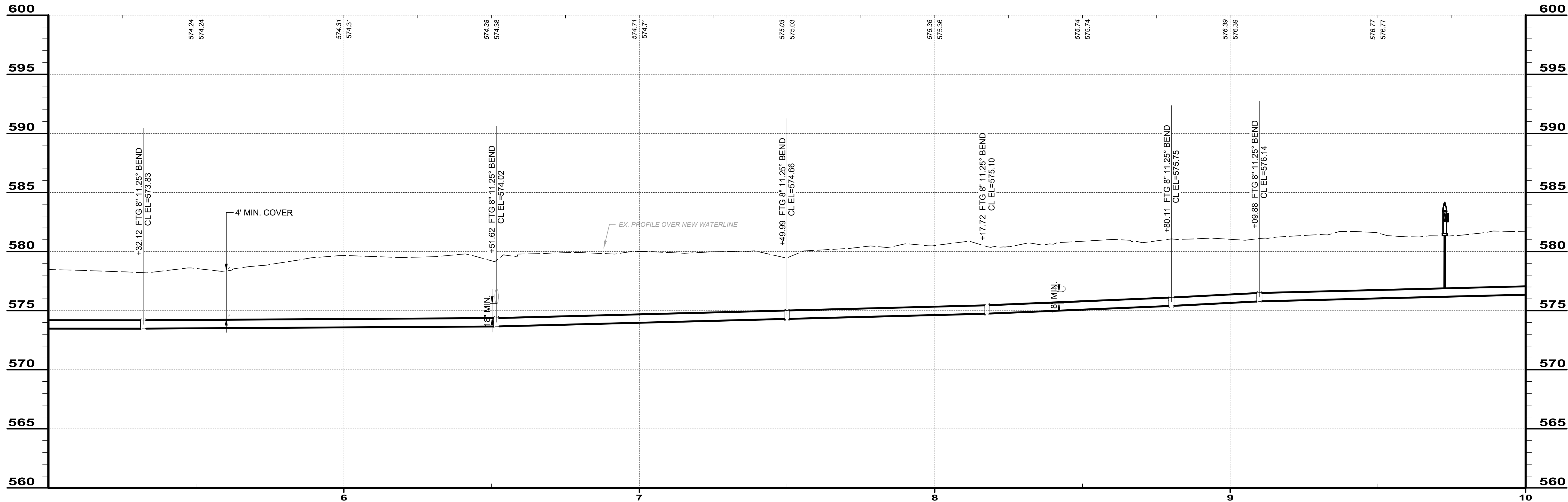
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 2A

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 2A	
SHEET	OF
18	51



PLAN - WAT RUN 2-2



PIPE RUN 2-2

RUN 2-2		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	17	EA
3/4" COPPER SERVICE LINES	215	LF
ADR	0	SY
CDR	4	SY
GDR	7	SY
TREE REMOVAL	2	EA
SEEDING AND MULCHING	556	SY

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REVISION

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ISSUE DATE:

SCALE:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT NO.

210900

DISCIPLINE

CIVIL

SHEET NAME

RUN 2-2

SHEET

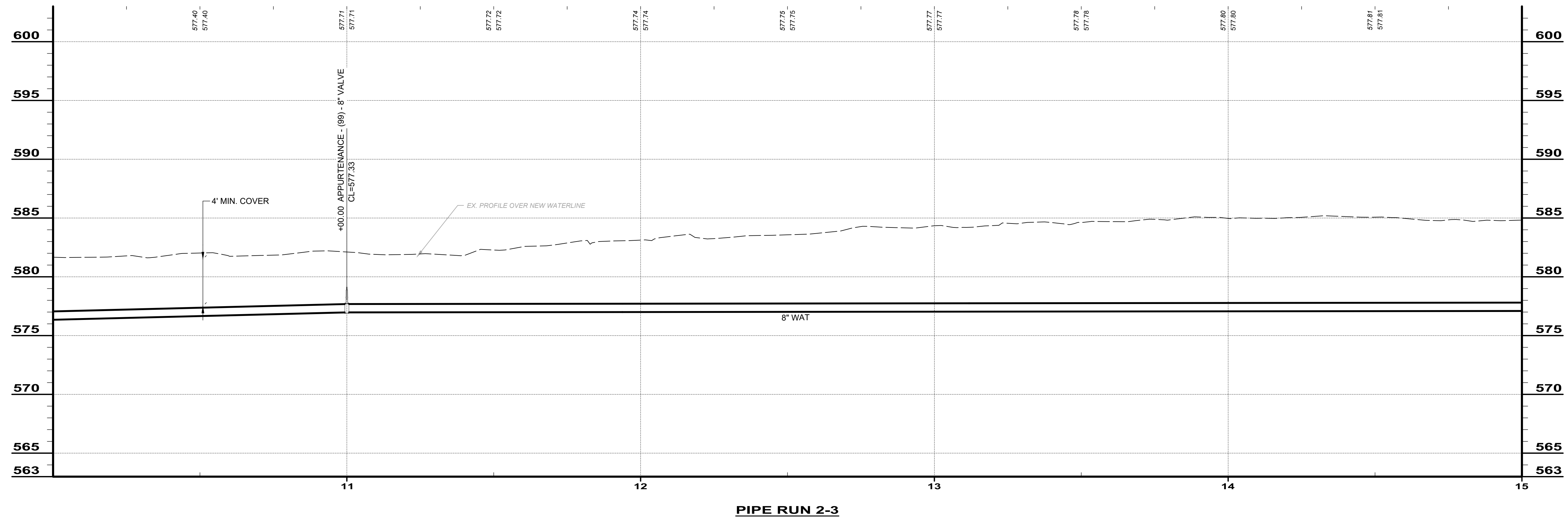
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OF

51

JOHNSON ISLAND WATER MAIN
EXTENSION

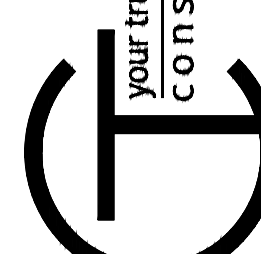
RUN 2-2



RUN 2-3		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	0	EA
CURB STOPS	11	EA
3/4" COPPER SERVICE LINES	114	LF
ADR	0	SY
CDR	6	SY
GDR	10	SY
TREE REMOVAL	2	EA
SEEDING AND MULCHING	556	SY

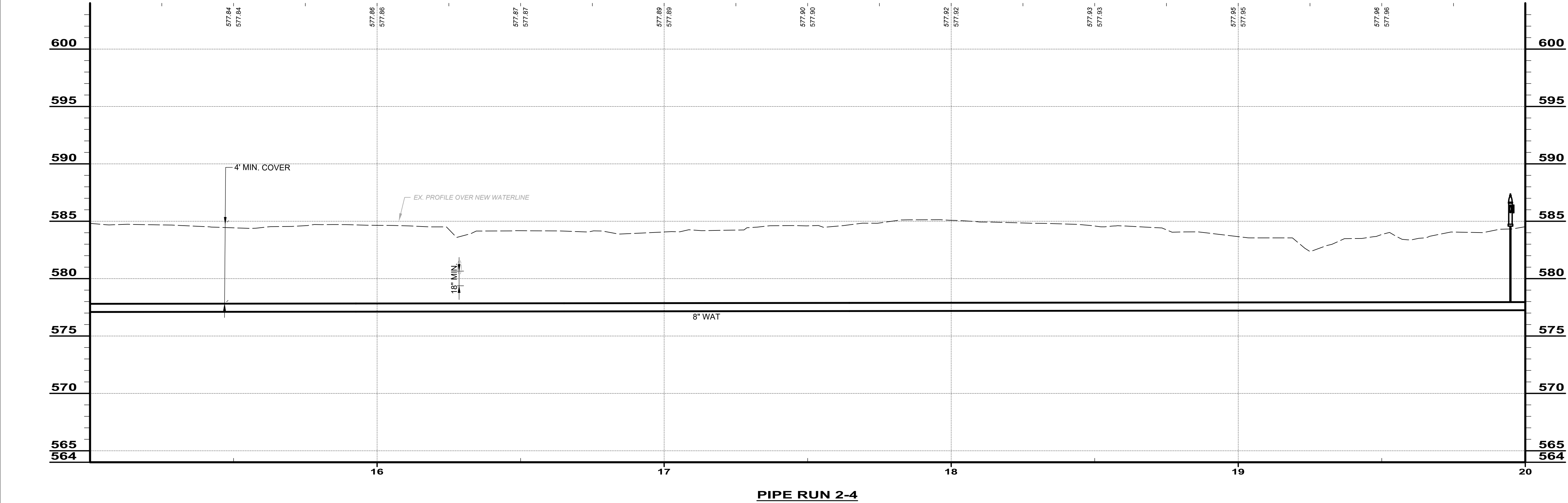
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
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JOHNSON ISLAND WATER MAIN EXTENSION		RUN 2-3	
PROJECT NO.			
210900			
DISCIPLINE			
CIVIL			
SHEET NAME			
RUN 2-3			
SHEET		OF	
21		51	





RUN 2-4		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	14	EA
3/4" COPPER SERVICE LINES	214	LF
ADR	0	SY
CDR	3	SY
GDR	6	SY
TREE REMOVAL	12	EA
SEEDING AND MULCHING	556	SY



BID SET

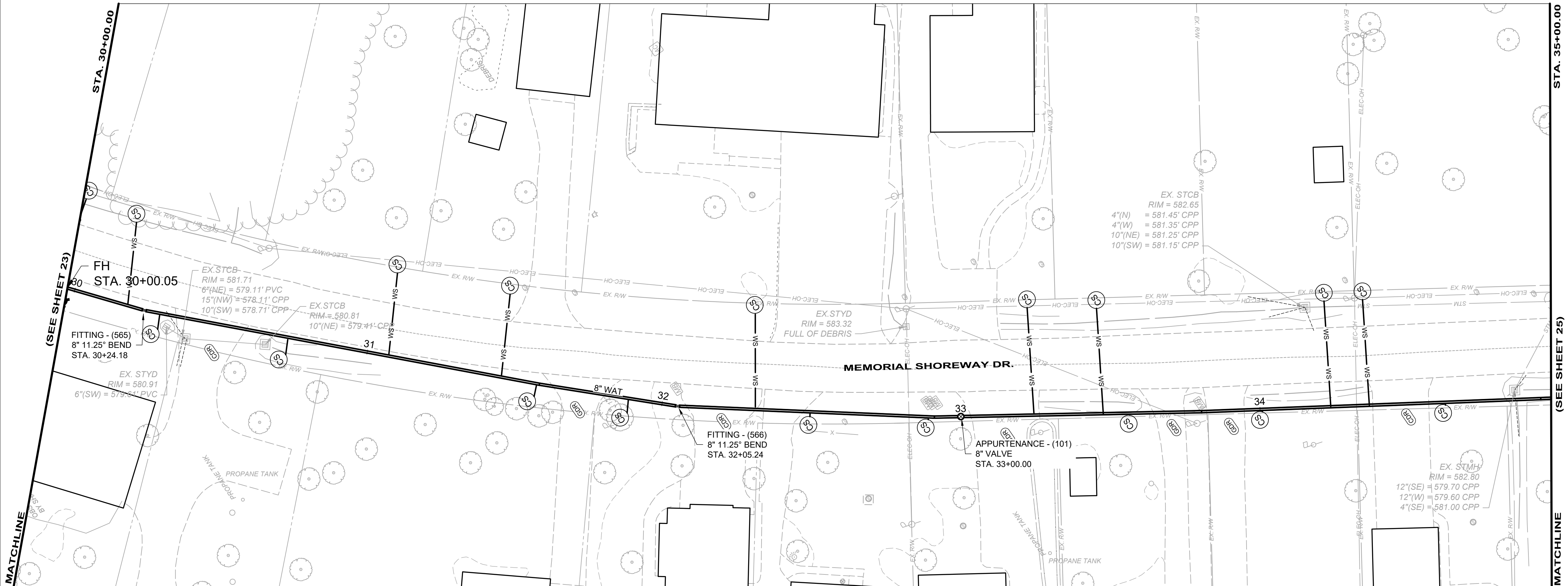
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ISSUE DATE:	11/24/2025			
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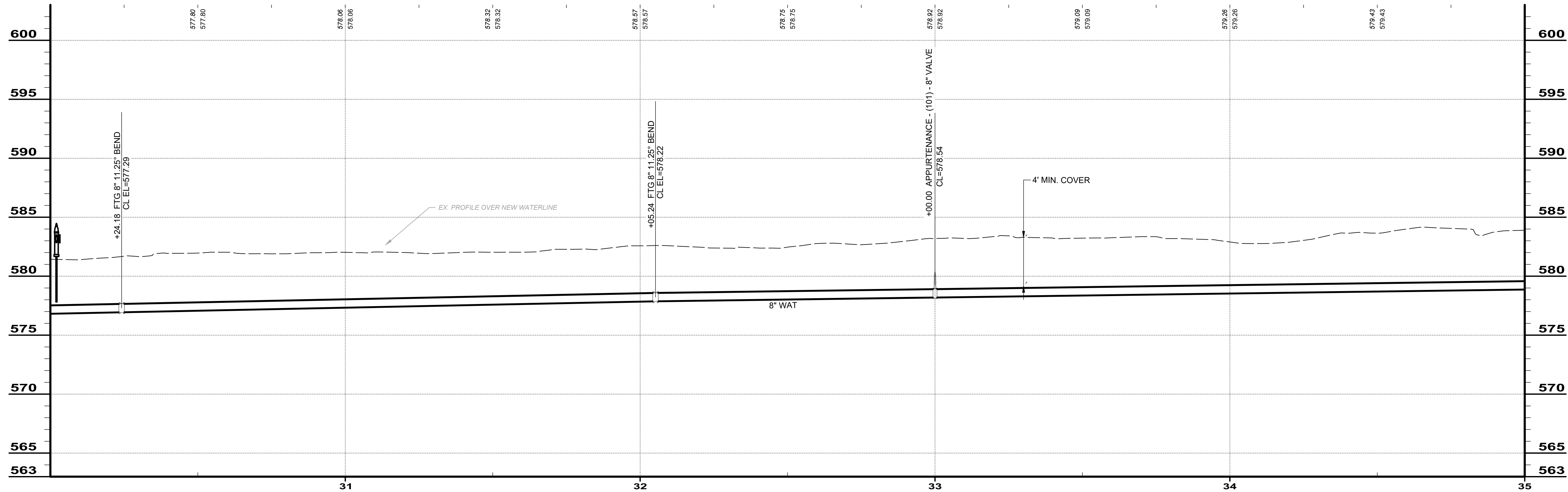
**JOHNSON ISLAND WATER MAIN
EXTENSION**

RUN 2-4

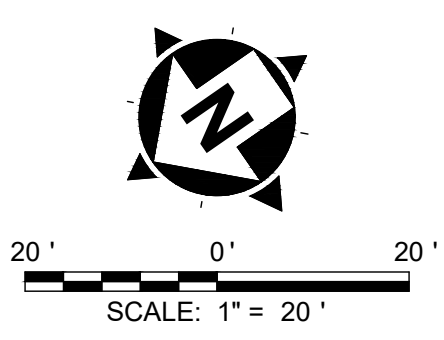
PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 2-4	
SHEET	OF
22	51



PLAN - WAT RUN 2-7



PIPE RUN 2-7



RUN 2-7		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	12	EA
3/4" COPPER SERVICE LINES	117	LF
ADR	0	SY
CDR	10	SY
GDR	5	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY

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11/24/2025

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JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 2-7

PROJECT NO.

210900

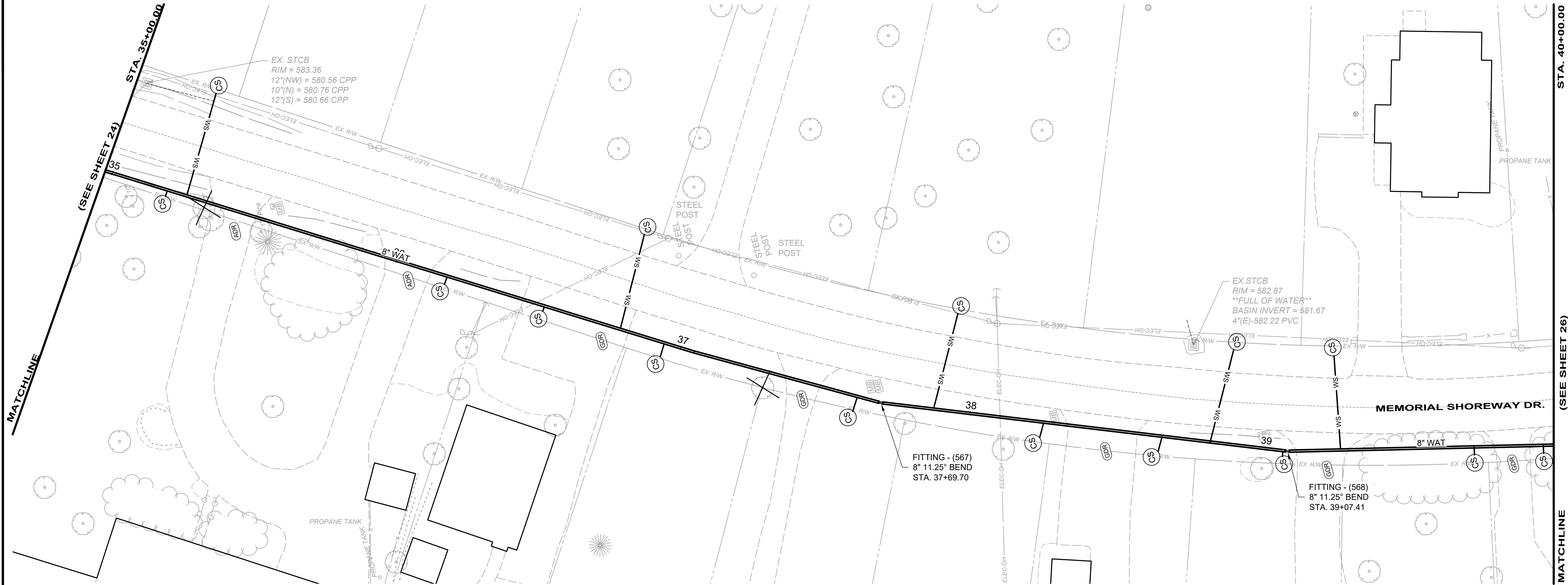
DISCIPLINE

CIVIL

SHEET NAME

RUN 2-7

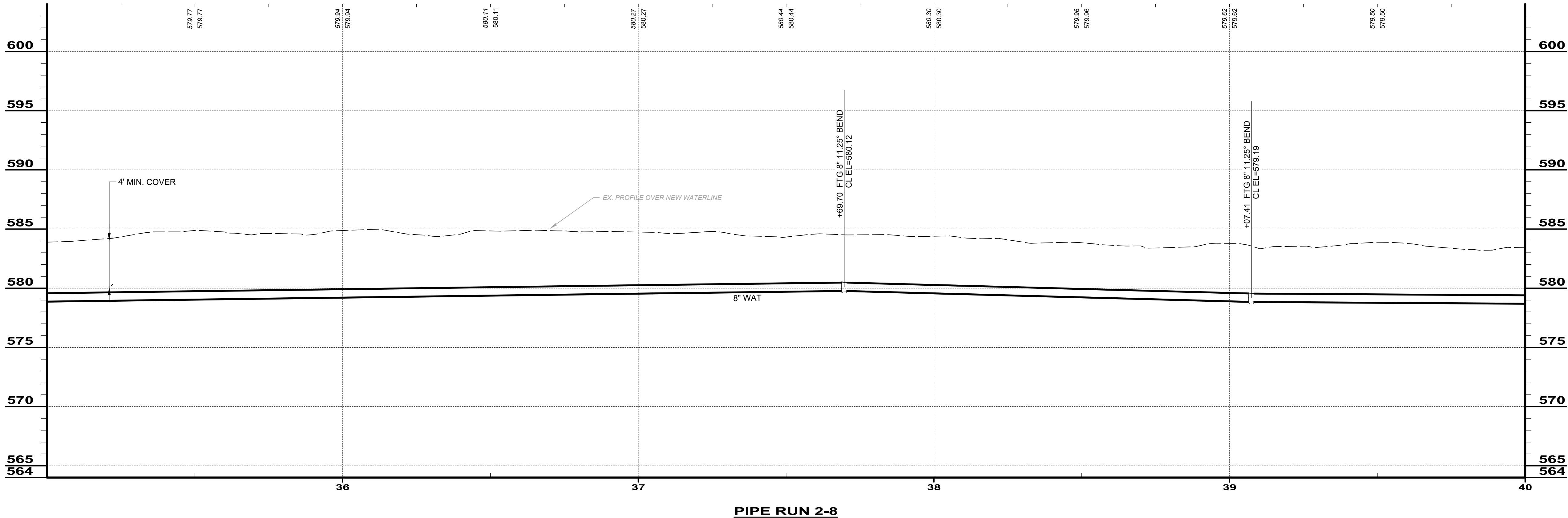
SHEET 25 OF 51



20' 0' 20'

SCALE: 1" = 20'

RUN 2-8		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	0	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	88	LF
ADR	4	SY
CDR	0	SY
GDR	11	SY
TREE REMOVAL	2	EA
SEEDING AND MULCHING	556	SY



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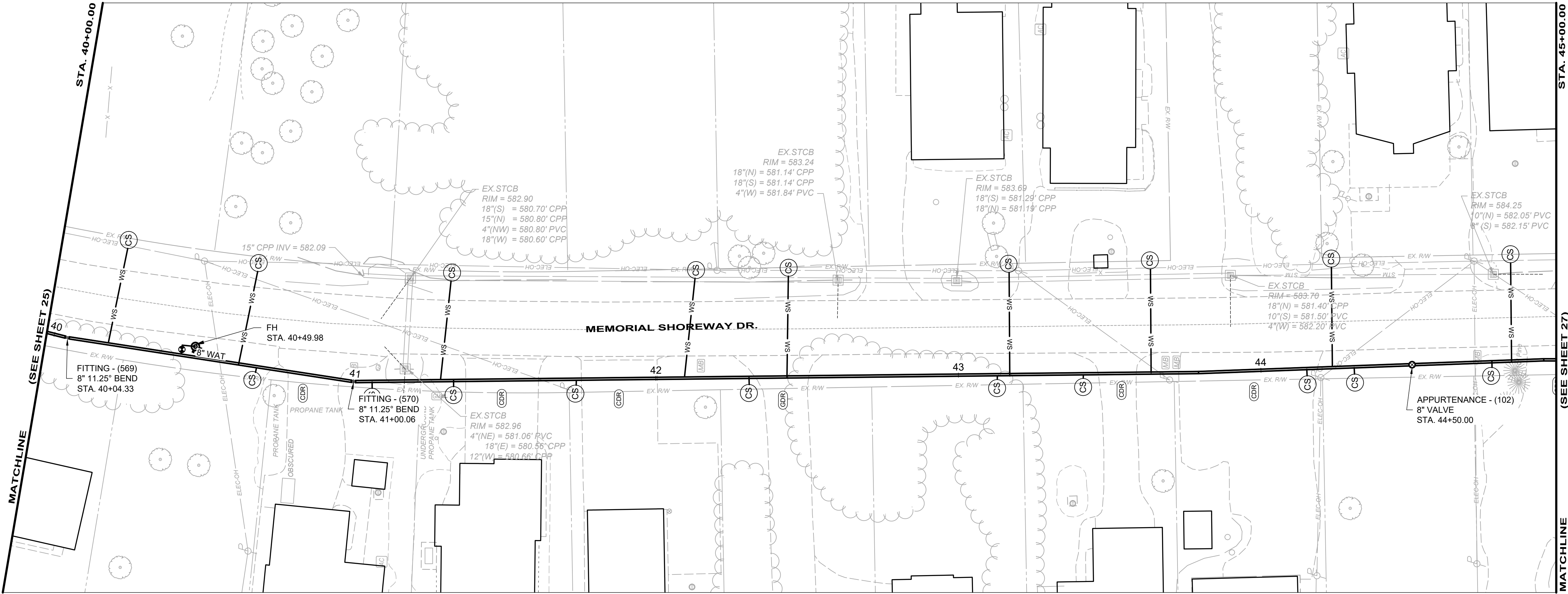
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ISSUE DATE:	11/24/2025			
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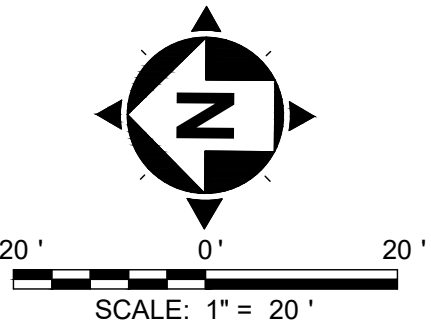
**JOHNSON ISLAND WATER MAIN
EXTENSION**

RUN 2-8

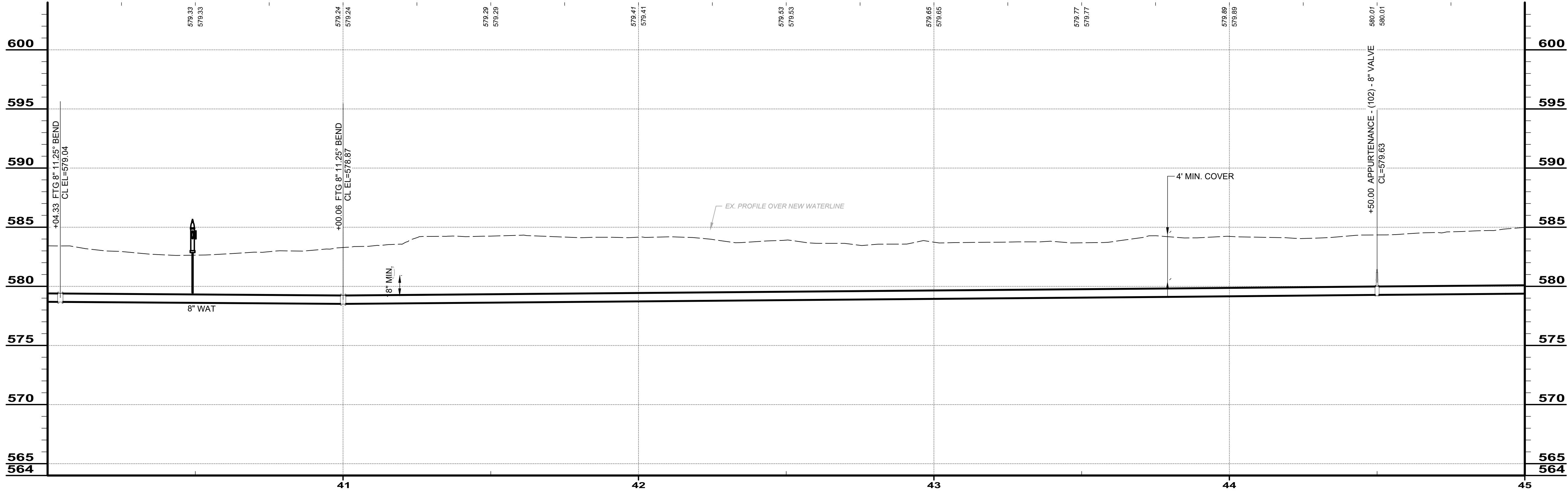
PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 2-8	
SHEET 26	OF 51



PLAN - WAT RUN 2-9



RUN 2-9		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	111	LF
ADR	0	SY
CDR	14	SY
GDR	2	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY



PIPE RUN 2-9

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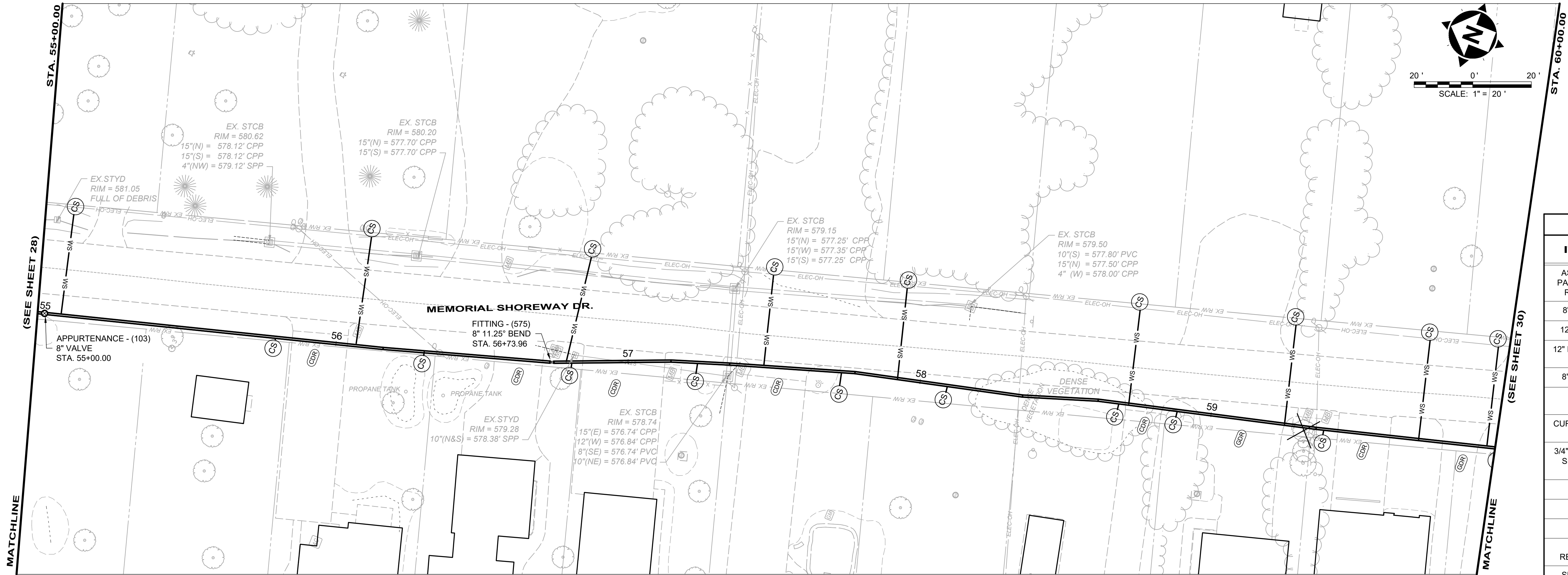
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ISSUE DATE:	11/24/2025			
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EXTENSION

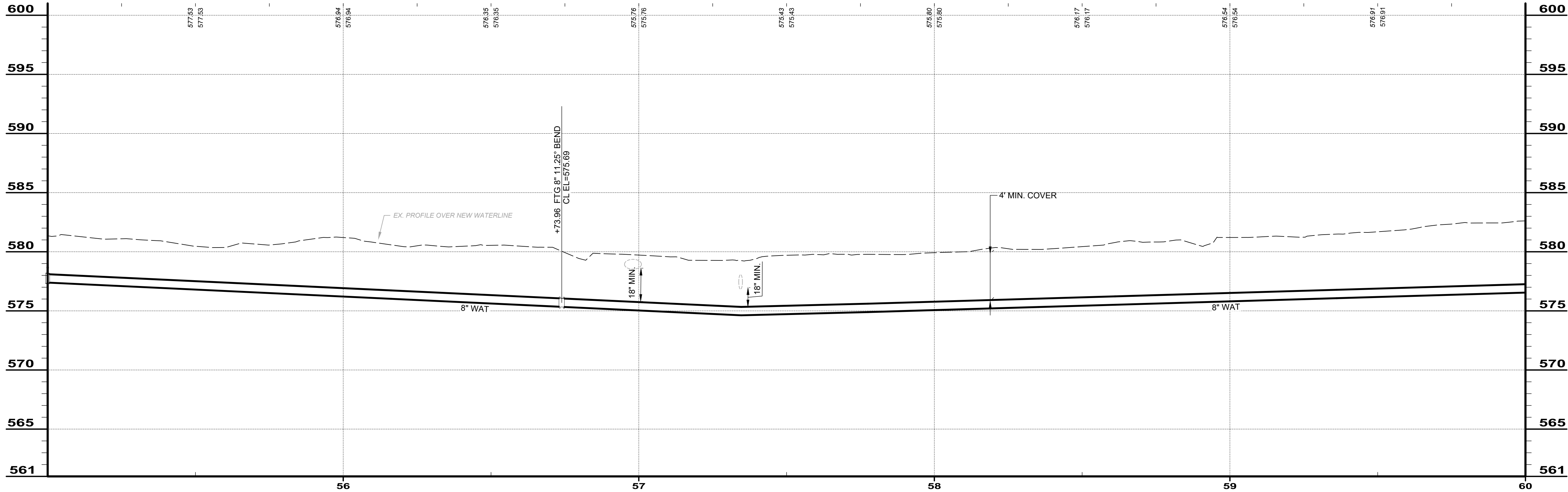
RUN 2-9

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 2-9	
SHEET	OF
27	51



PLAN - WAT RUN 2-12

RUN 2-12		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	0	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	151	LF
ADR	0	SY
CDR	12	SY
GDR	5	SY
TREE REMOVAL	1	EA
SEEDING AND MULCHING	556	SY



PIPE RUN 2-12

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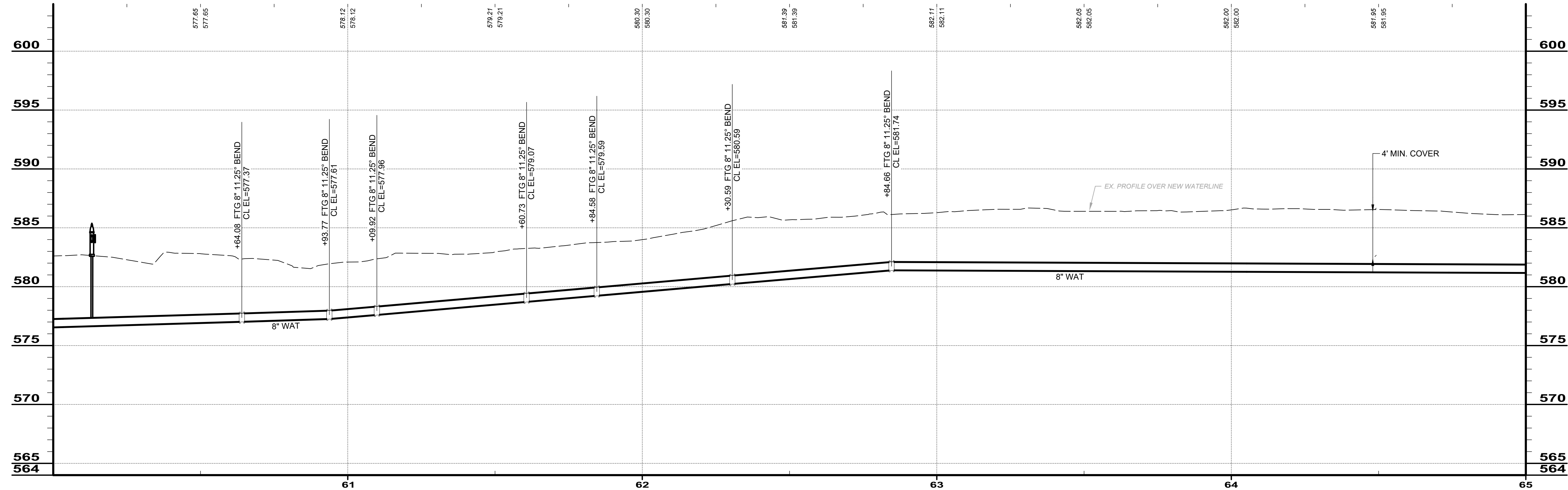
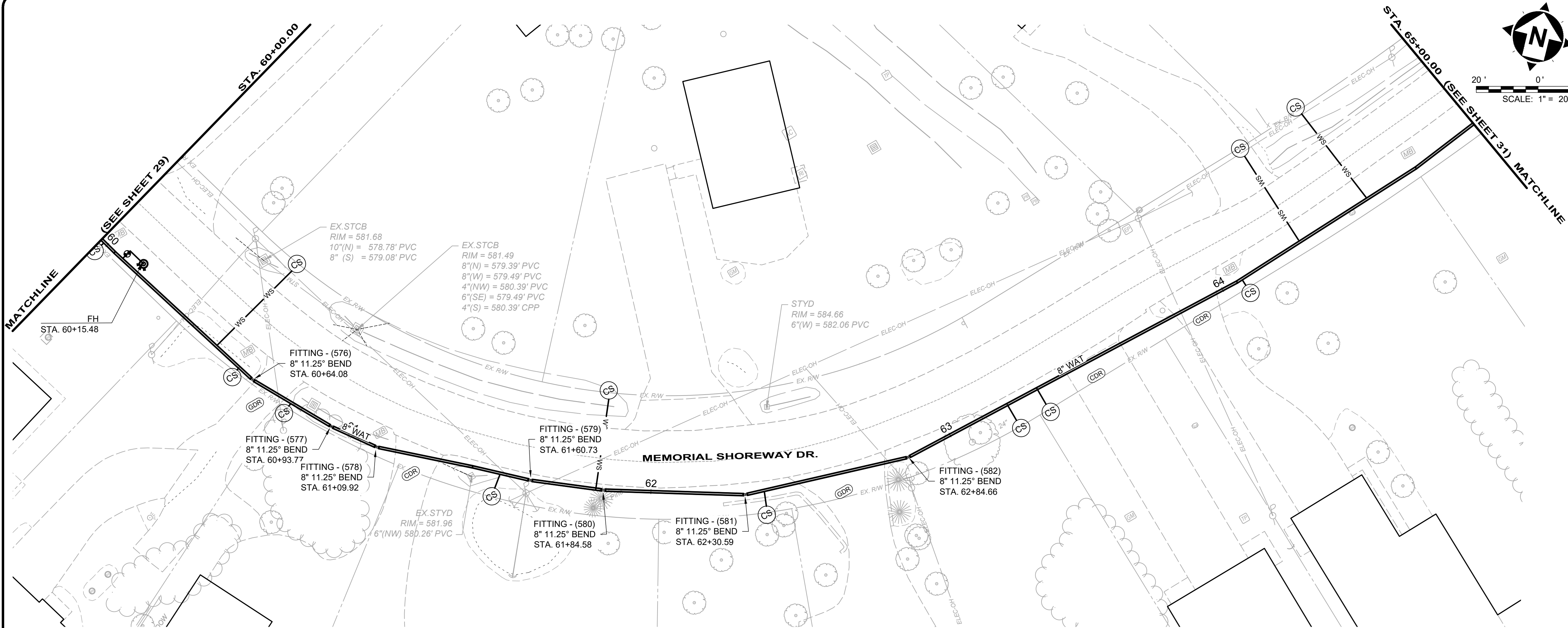
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
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JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 2-12

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 2-12	
SHEET	OF
30	51



RUN 2-13		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	8	EA
3/4" COPPER SERVICE LINES	81	LF
ADR	0	SY
CDR	6	SY
GDR	5	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY

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EXTENSION

RUN 2-13

PROJECT NO.
210900

DISCIPLINE
CIVIL

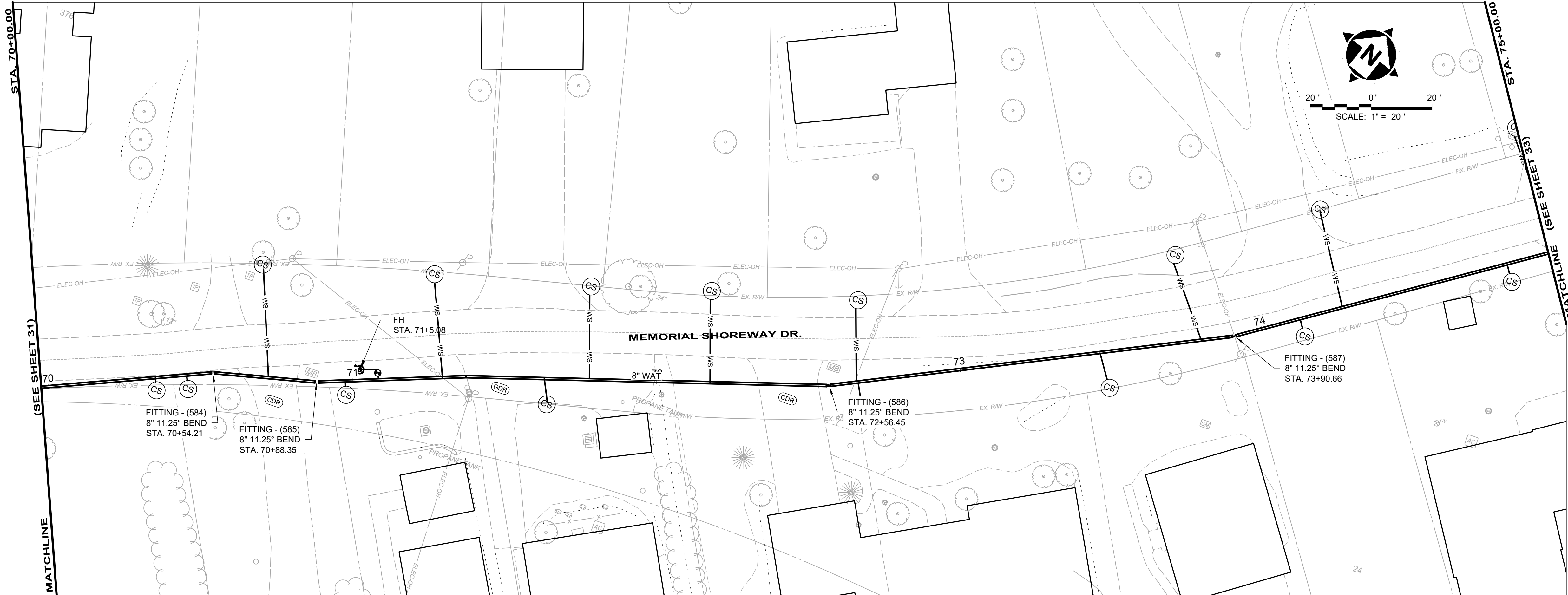
SHEET NAME
RUN 2-13

SHEET
31

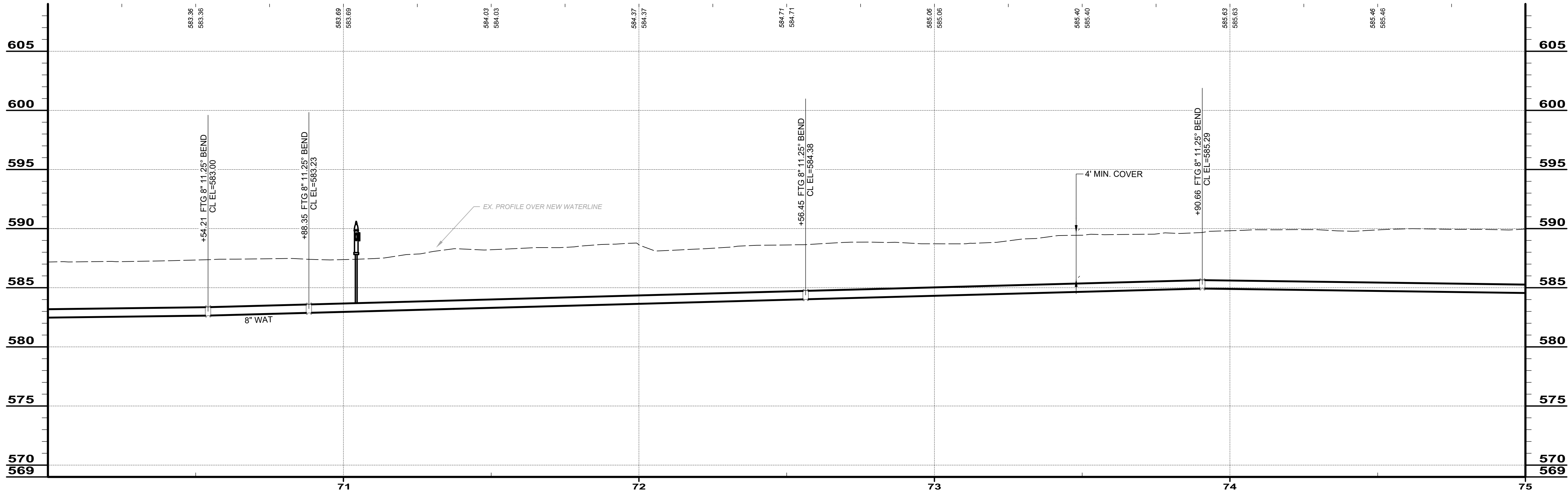
OF
51

ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
CHECKED BY:	DEB			

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PLAN - WAT RUN 2-15



PIPE RUN 2-15

RUN 2-15		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	9	EA
3/4" COPPER SERVICE LINES	131	LF
ADR	0	SY
CDR	5	SY
GDR	7	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY

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ISSUE DATE:	11/24/2025		
SCALE:	AS SHOWN		
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DRAWN BY:	QDB		
CHECKED BY:	DEB		

JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 2-15

PROJECT NO.
210900

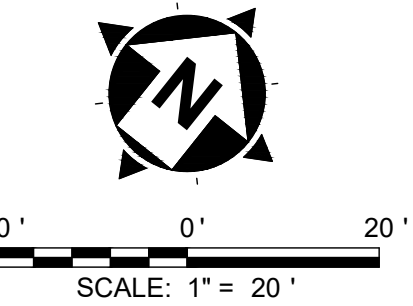
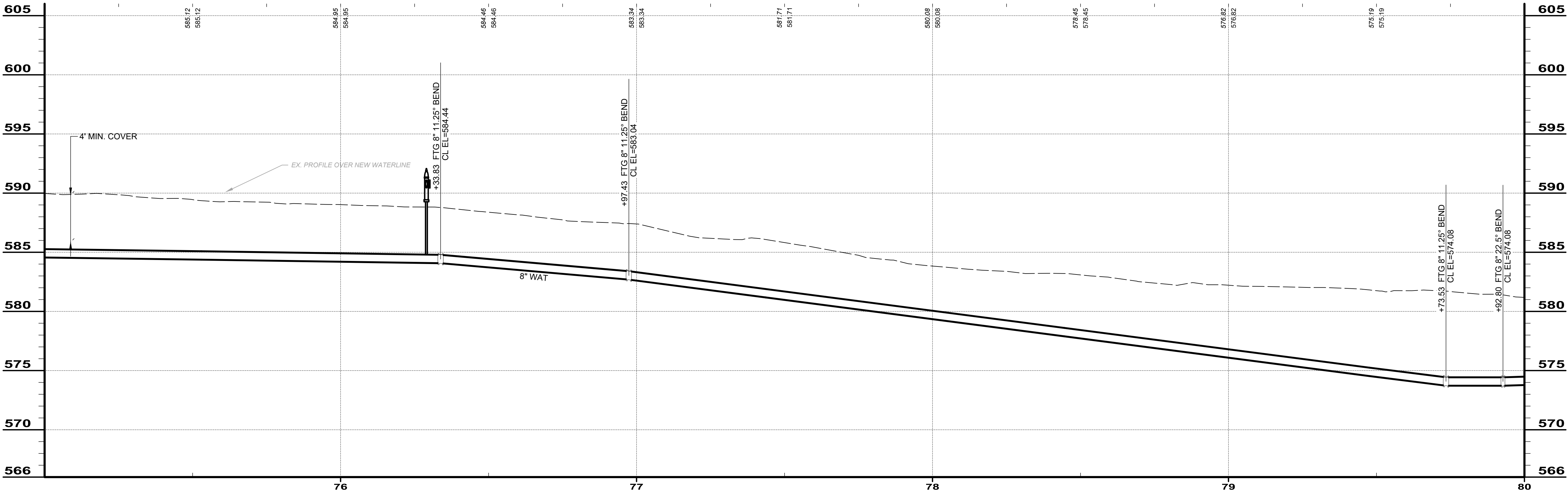
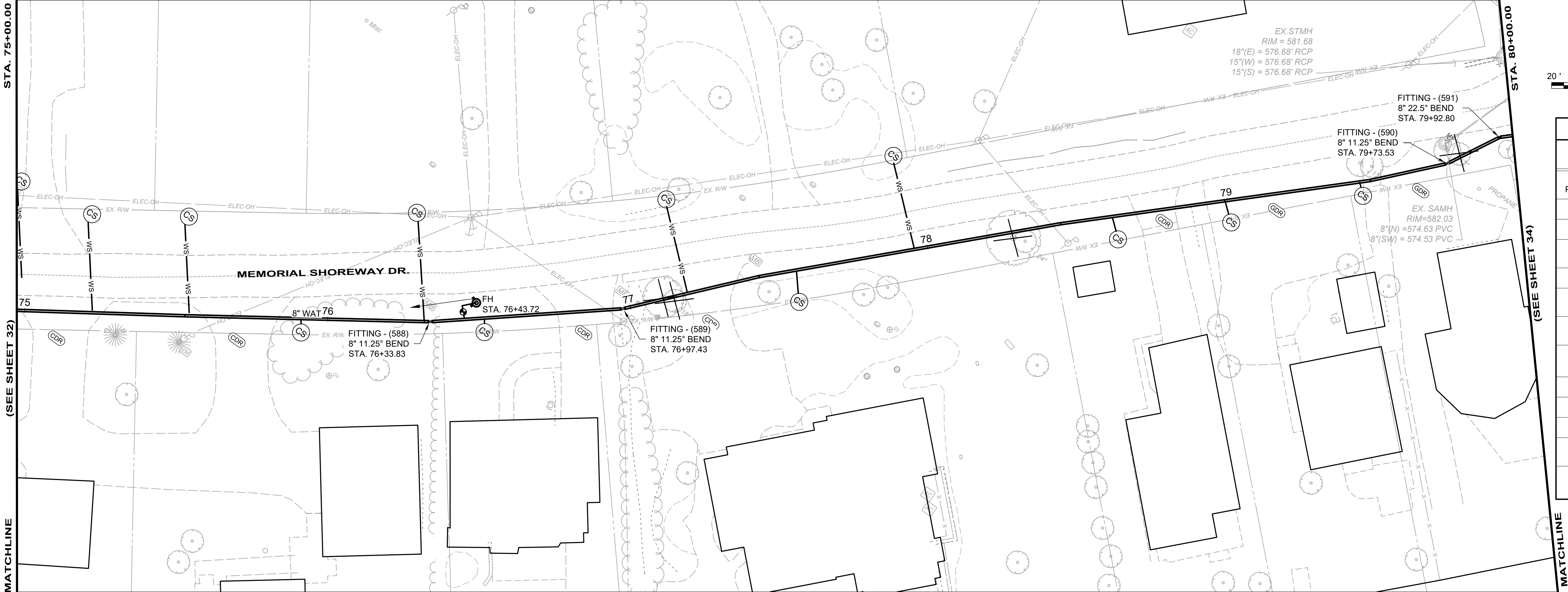
DISCIPLINE
CIVIL

SHEET NAME
RUN 2-15

SHEET
33

OF
51

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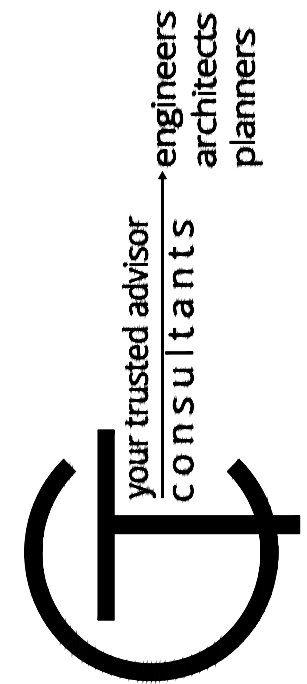
RUN 2-16		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	8	EA
3/4" COPPER SERVICE LINES	87	LF
ADR	0	SY
CDR	10	SY
GDR	9	SY
TREE REMOVAL	4	EA
SEEDING AND MULCHING	556	SY

JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 2-16

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 2-16	
SHEET 34	OF 51

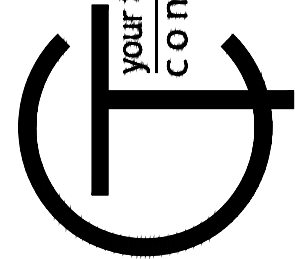
ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
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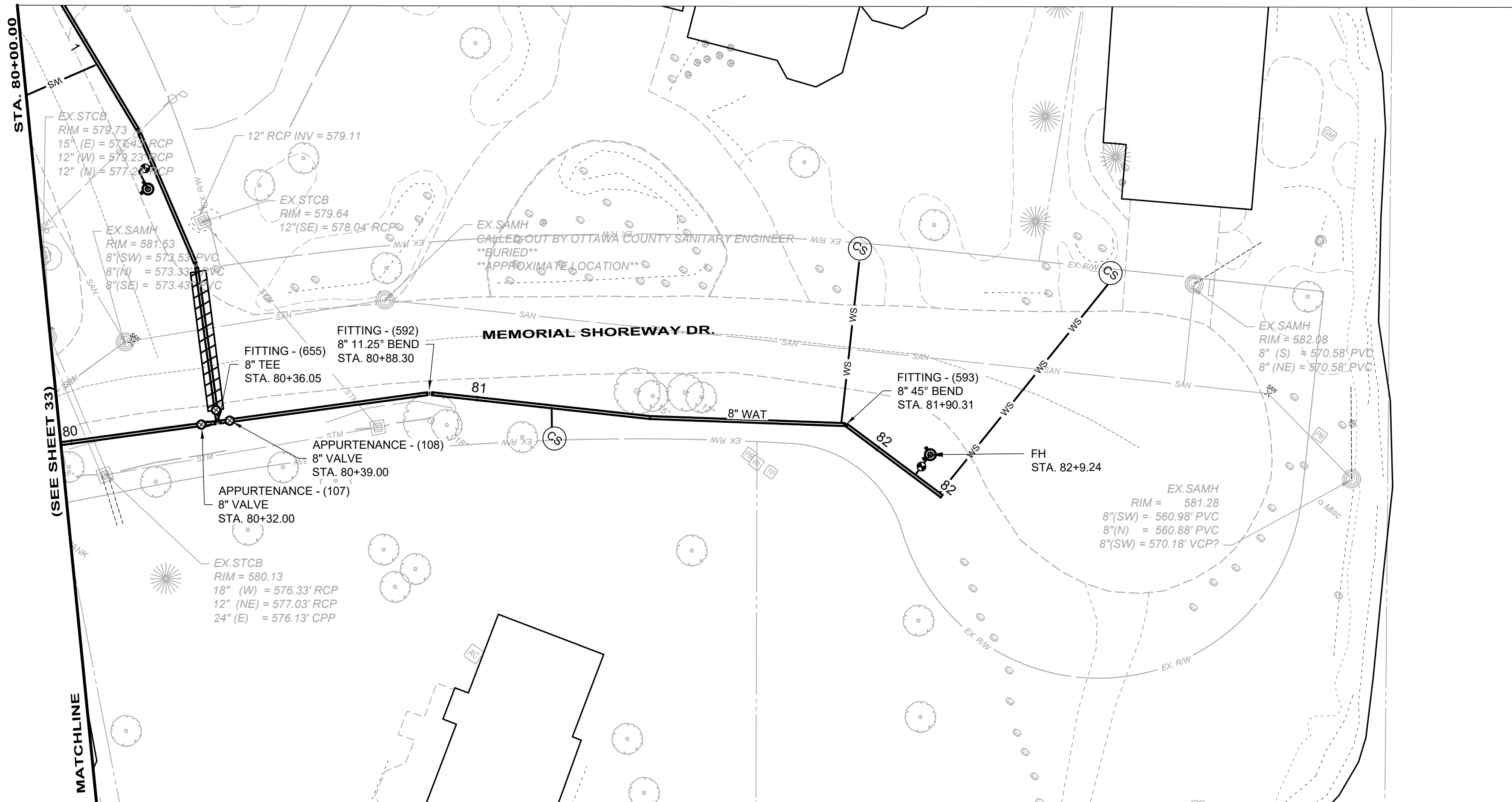
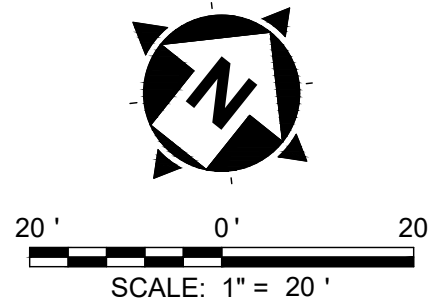


ISSUED FOR:	BID NO	REVISION	DATE
ISSUE DATE:	11/24/2025		
SCALE:	AS SHOWN		
DESIGNED BY:	QDB		
DRAWN BY:	QDB		
CHECKED BY:	DEB		

JOHNSON ISLAND WATER MAIN
EXTENSION

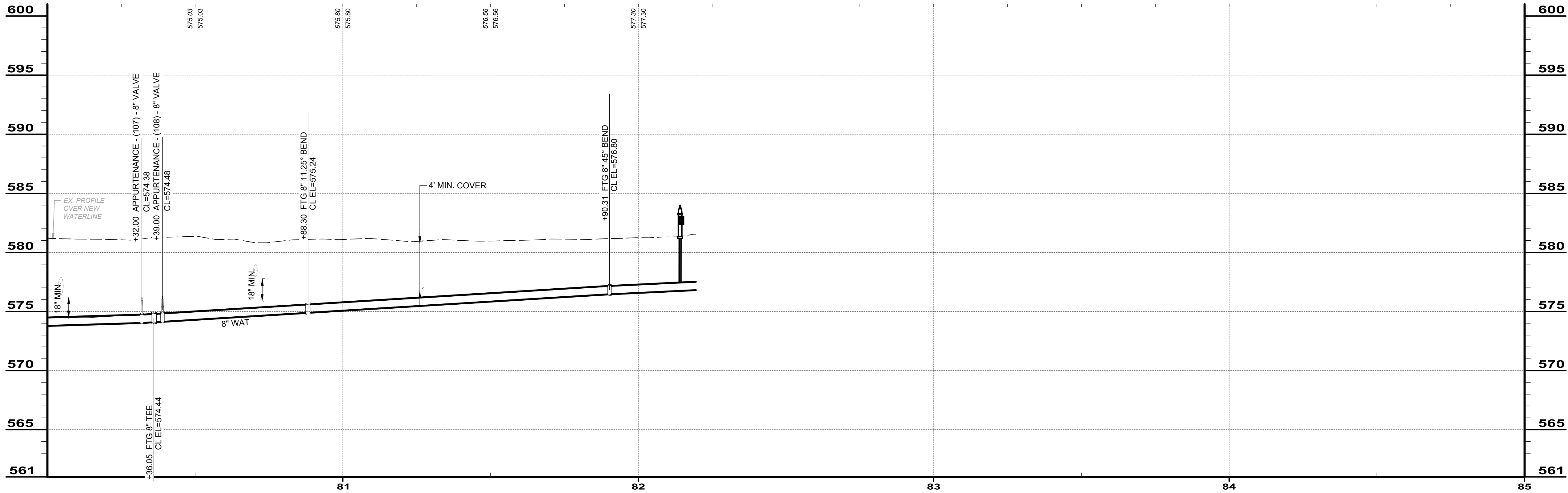
RUN 2-17

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 2-17	
SHEET	OF
35	51

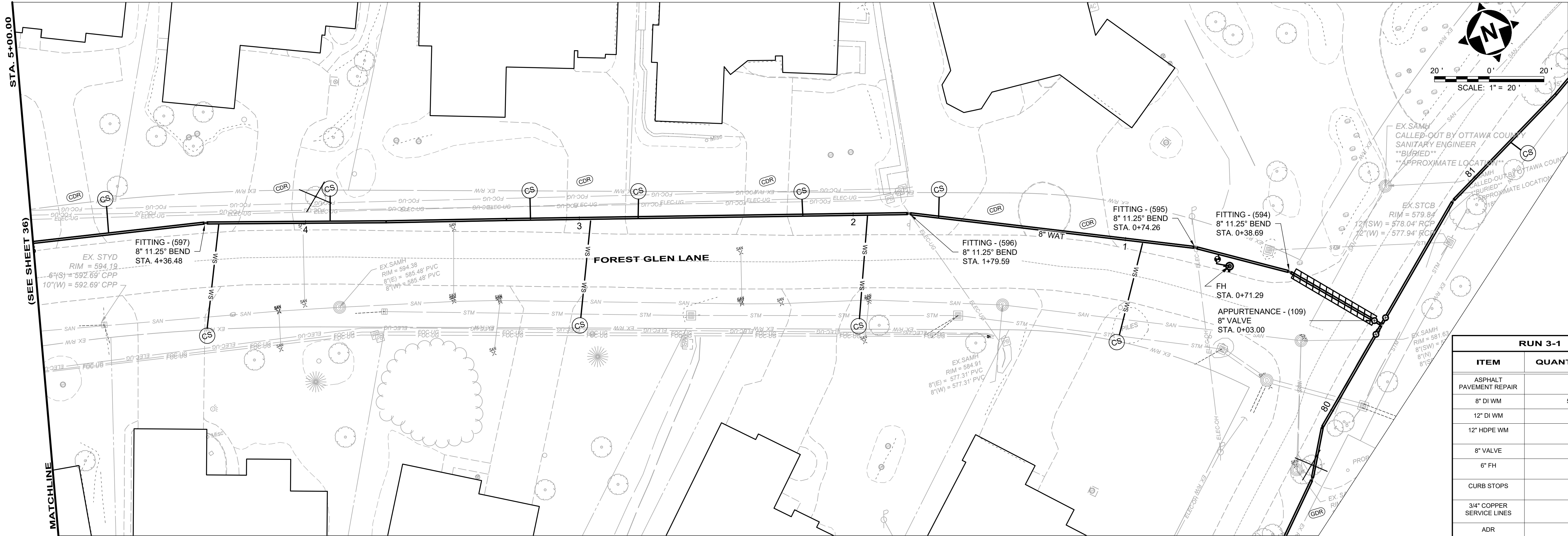


PLAN - WAT RUN 2-17

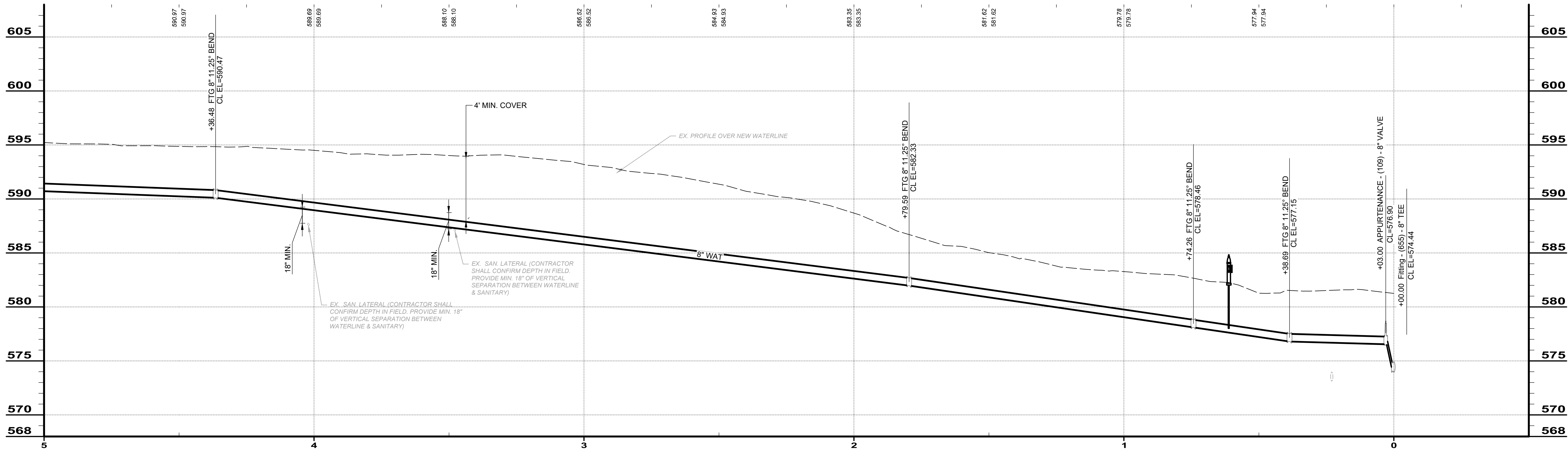
RUN 2-17		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	218	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	2	EA
6" FH	1	EA
CURB STOPS	3	EA
3/4" COPPER SERVICE LINES	140	LF
ADR	0	SY
CDR	0	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	242	SY



PIPE RUN 2-17



PLAN - WAT RUN 3-1



PIPE RUN 3-1

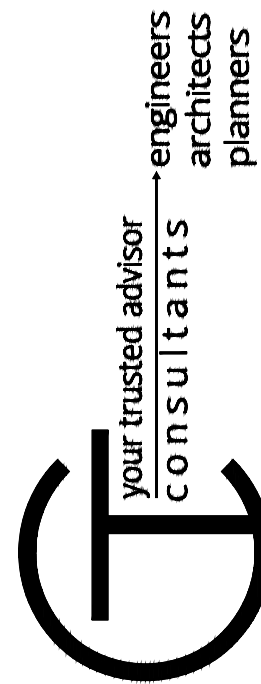
RUN 3-1		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	15	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	191	LF
ADR	0	SY
CDR	11	SY
GDR	0	SY
TREE REMOVAL	1	EA
SEEDING AND MULCHING	518	SY

JOHNSON ISLAND WATER MAIN
EXTENSION

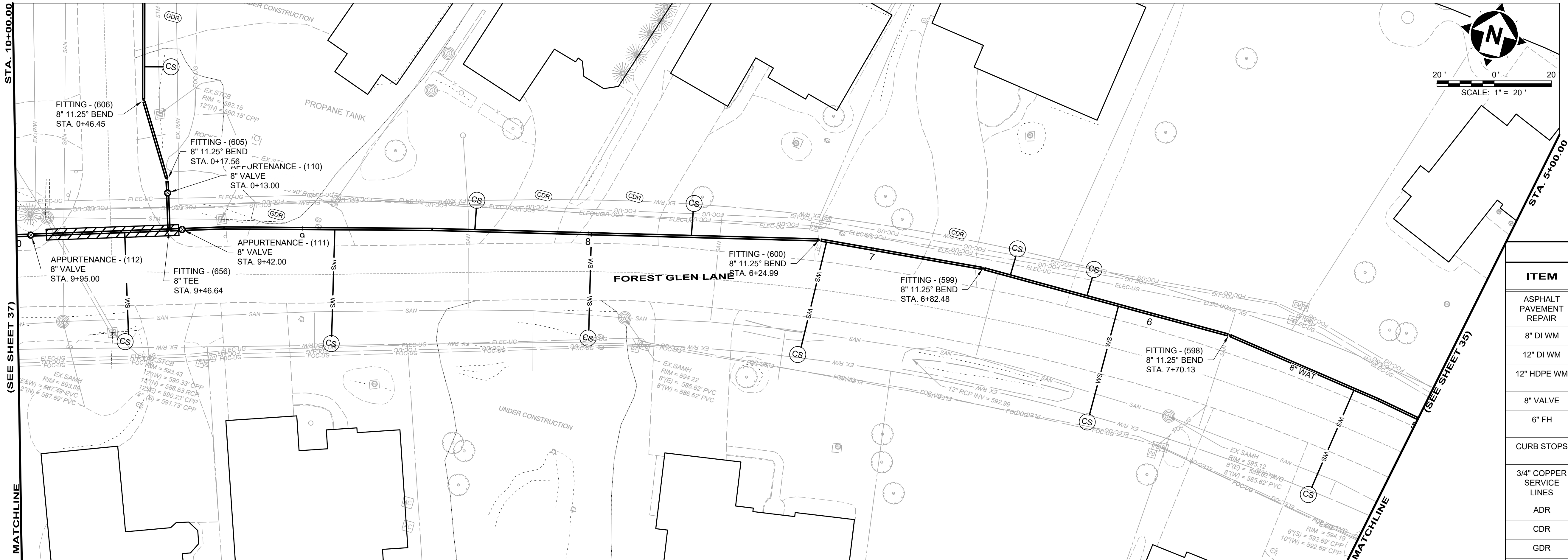
RUN 3-1

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 3-1	
SHEET	OF
36	51

BID SET

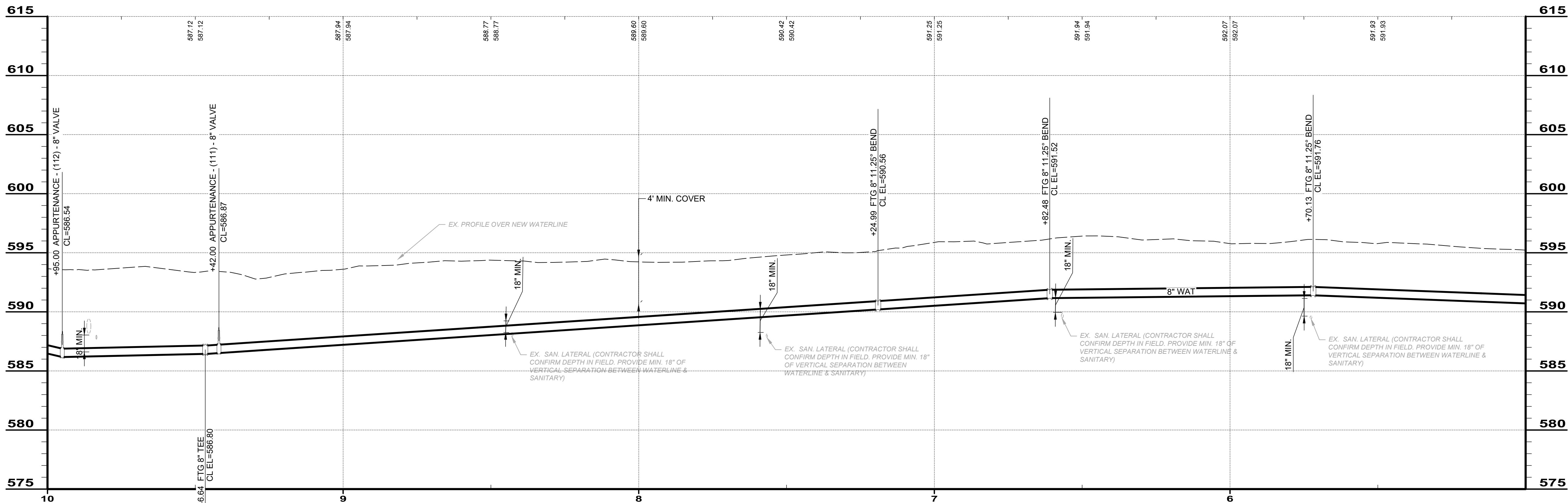


ISSUED FOR:		BID	NO	REVISION	DATE
ISSUE DATE:		11/24/2025			
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DESIGNED BY:		QDB			
DRAWN BY:		QDB			
CHECKED BY:		DEB			



PLAN - WAT RUN 3-2

RUN 3-2		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	21	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	2	EA
6" FH	0	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	249	LF
ADR	0	SY
CDR	8	SY
GDR	4	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	504	SY



PIPE RUN 3-2

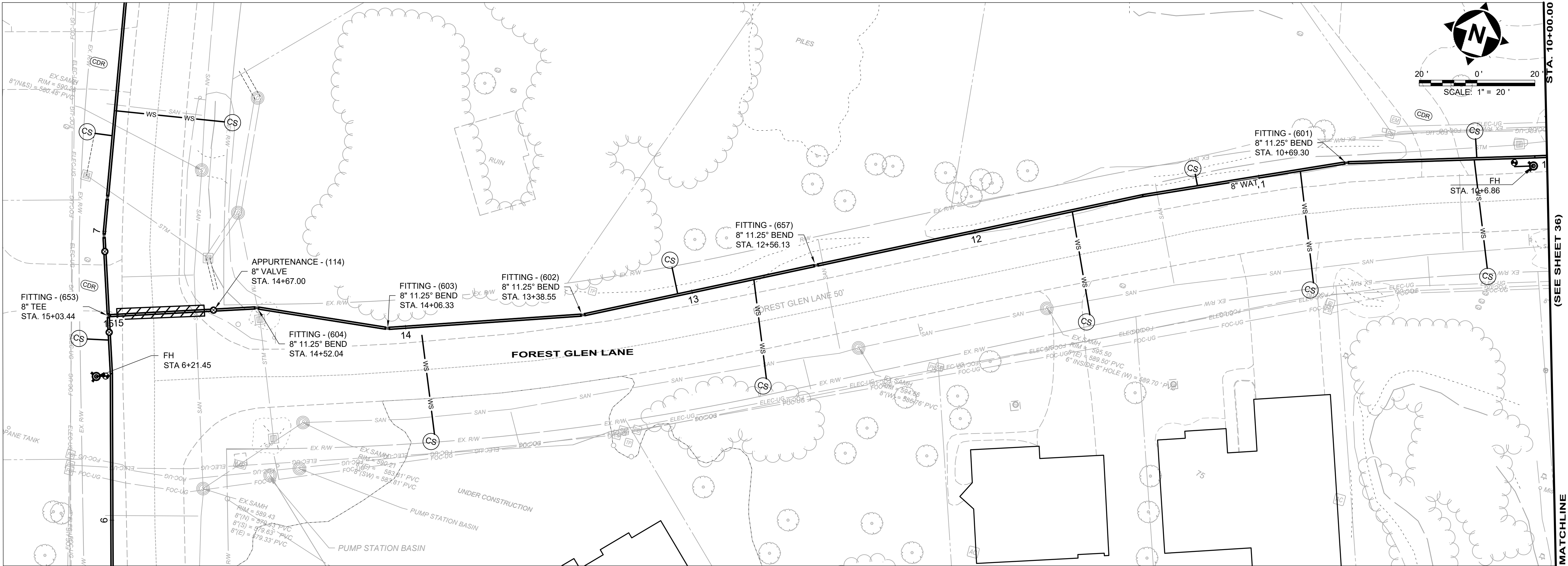
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
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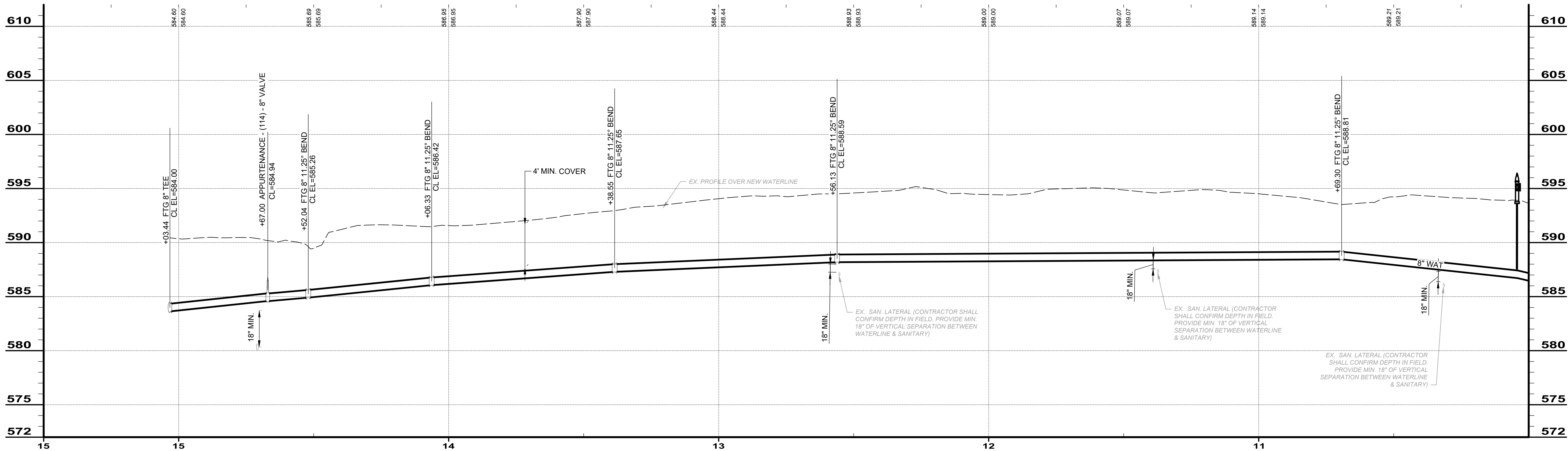
JOHNSON ISLAND WATER MAIN
EXTENSION

PROJECT NO.	210900
DISCIPLINE	CIVIL
SHEET NAME	RUN 3-2
SHEET	37
OF	51



PLAN - WAT RUN 3-3

RUN 3-3		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	14	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	8	EA
3/4" COPPER SERVICE LINES	204	LF
ADR	0	SY
CDR	2	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	522	SY



PIPE RUN 3-3

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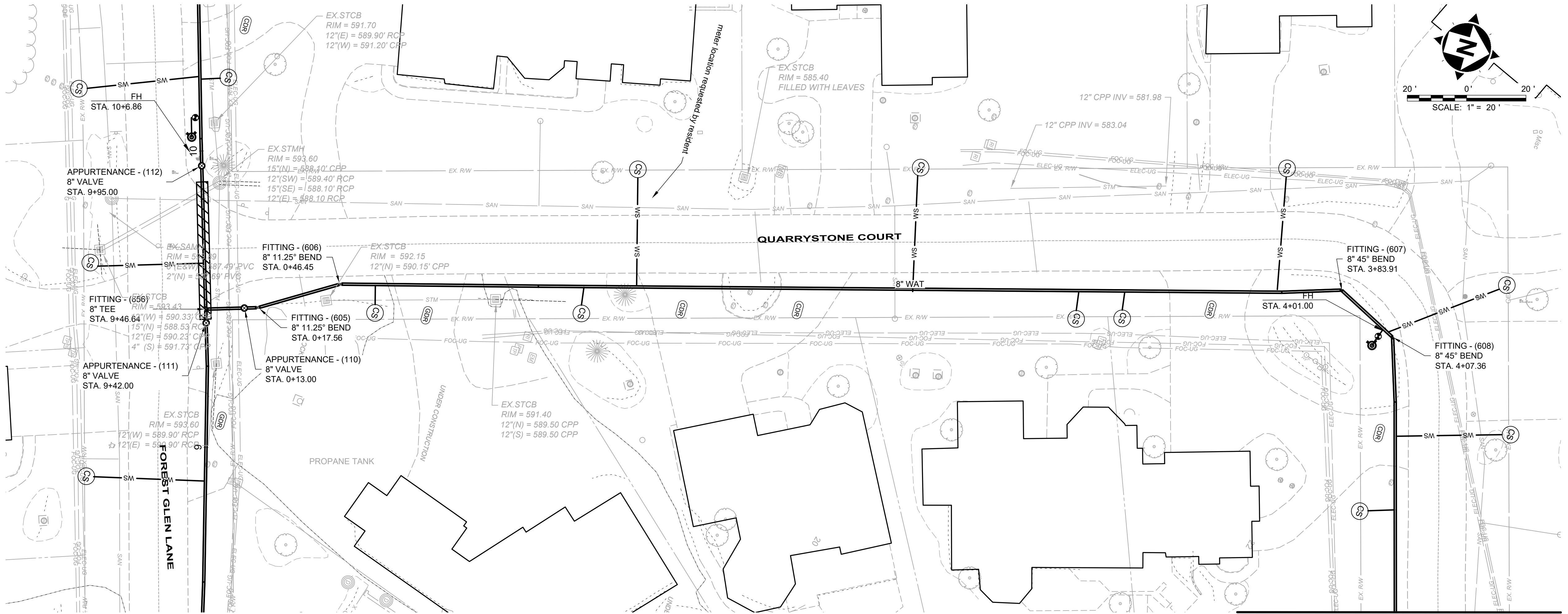
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ISSUED FOR:	BID	DATE
ISSUE DATE:	11/24/2025	
SCALE:	AS SHOWN	
DESIGNED BY:	QDB	
DRAWN BY:	QDB	
CHECKED BY:	DEB	

JOHNSON ISLAND WATER MAIN
EXTENSION

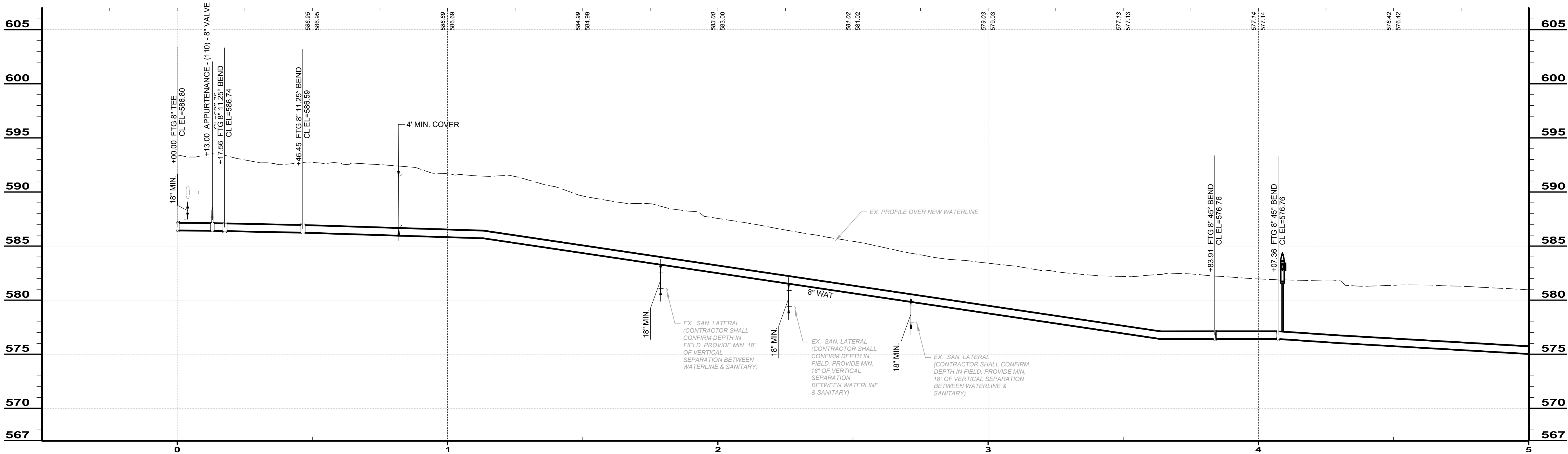
RUN 3-3

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 3-3	
SHEET	OF
38	51



PLAN - WAT RUN 3A-1

MATCHLINE (SEE SHEET 39) STA. 5+00.00



PIPE RUN 3A-1

RUN 3A-1		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	222	LF
ADR	0	SY
CDR	10	SY
GDR	3	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY

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JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 3A-1

PROJECT NO.
210900

DISCIPLINE
CIVIL

SHEET NAME
RUN 3A-1

SHEET
39

OF
51

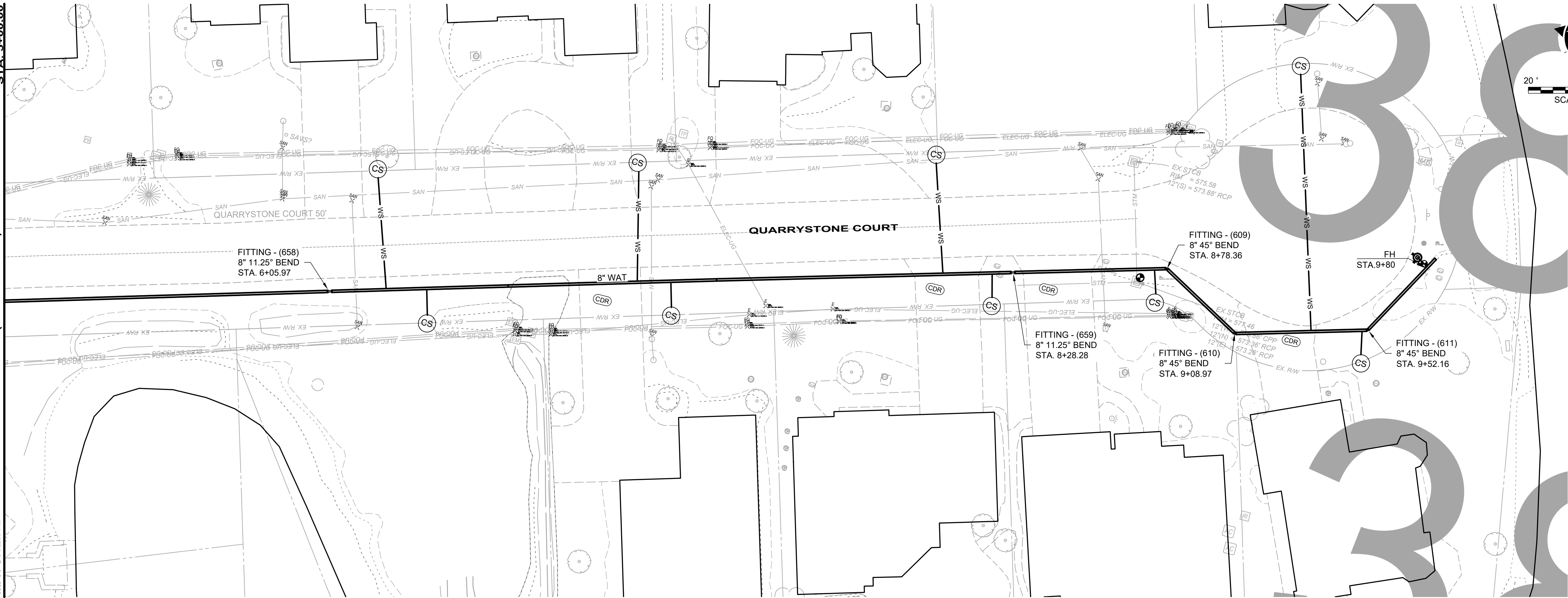
ISSUED FOR:		BID	NO	REVISION	DATE
ISSUE DATE:		11/24/2025			
SCALE:		AS SHOWN			
DESIGNED BY:		QDB			
DRAWN BY:		QDB			
CHECKED BY:		DEB			

H:\2025\210900\DWG\SHETSC_210900 - 03 RUN_01-3A2.DWG - RUN 3A-1 - 11/25/2025 4:59:24 PM - QUINN BAKER

STA. 5+00.00

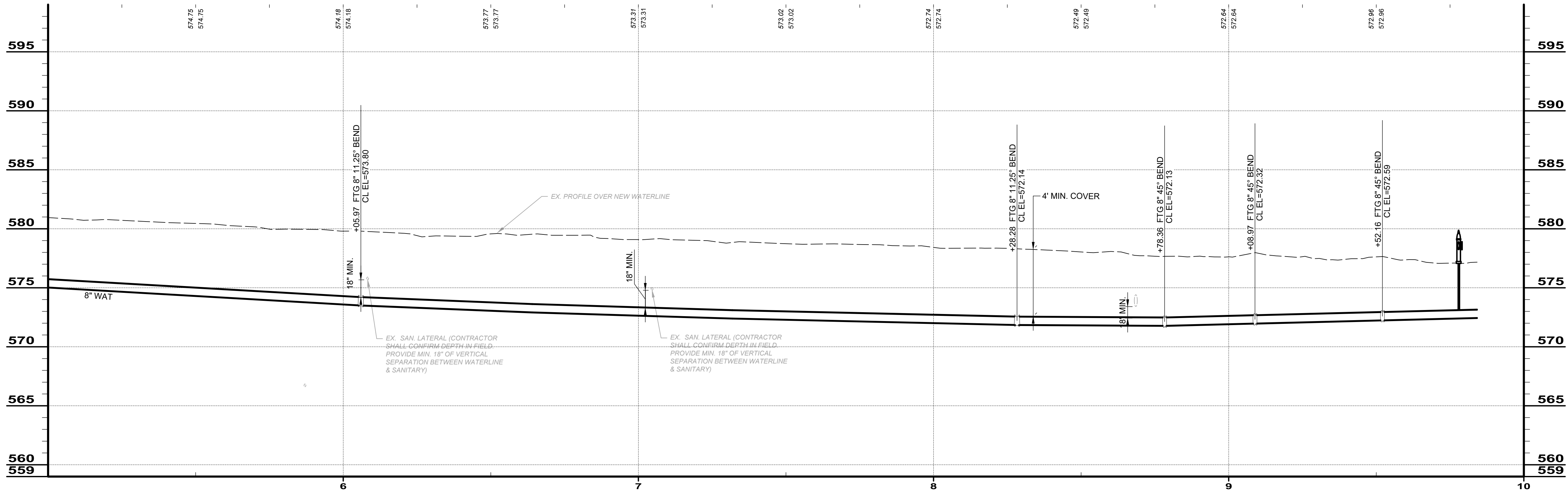
(SEE SHEET 38)

MATCHLINE



PLAN - WAT RUN 3A-2

RUN 3A-2		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	485	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	9	EA
3/4" COPPER SERVICE LINES	231	LF
ADR	0	SY
CDR	9	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	539	SY



PIPE RUN 3A-2

BID SET

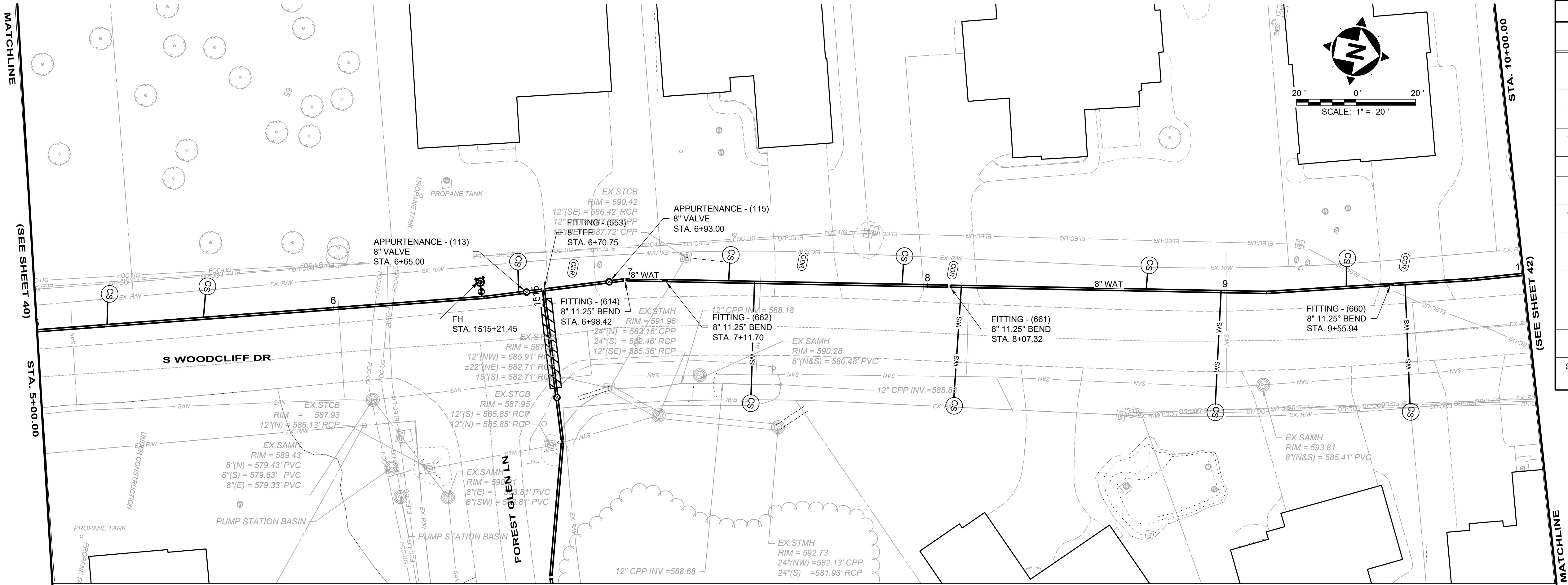
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
CHECKED BY:	DEB			

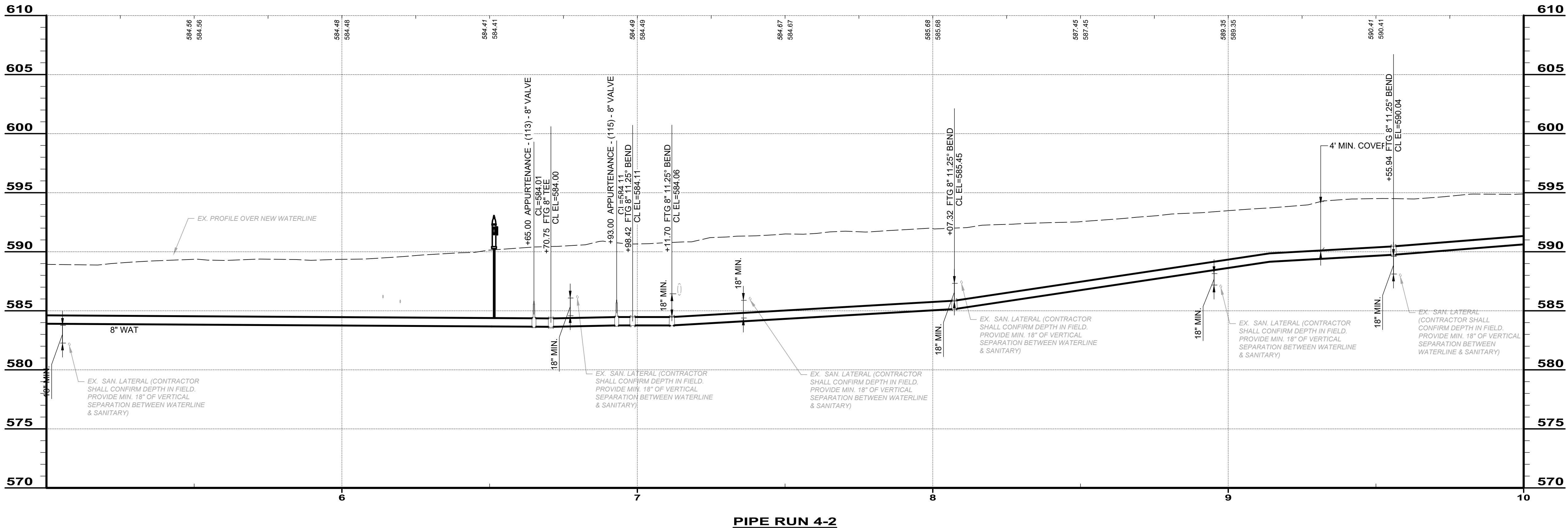
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 3A-2

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 3A-2	
SHEET 40	OF 51



RUN 4-2		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	0	EA
CURB STOPS	11	EA
3/4" COPPER SERVICE LINES	199	LF
ADR	0	SY
CDR	8	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	470	SY



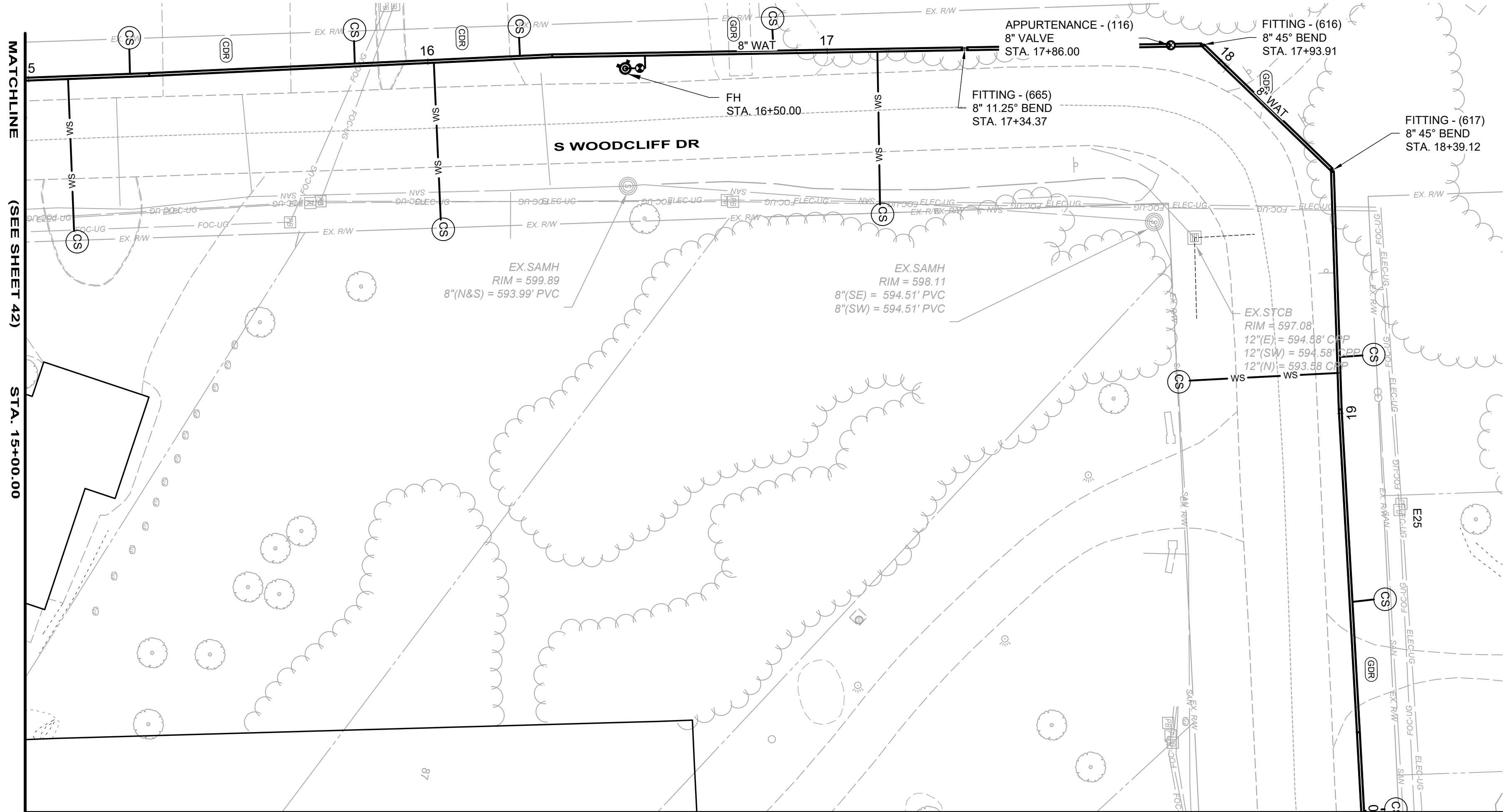
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
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CHECKED BY:	DEB			

JOHNSON ISLAND WATER MAIN
EXTENSION
RUN 4-2

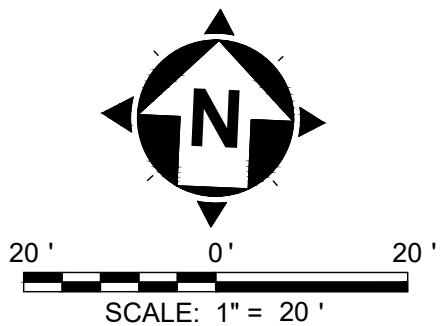
PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 4-2	
SHEET 42	OF 51



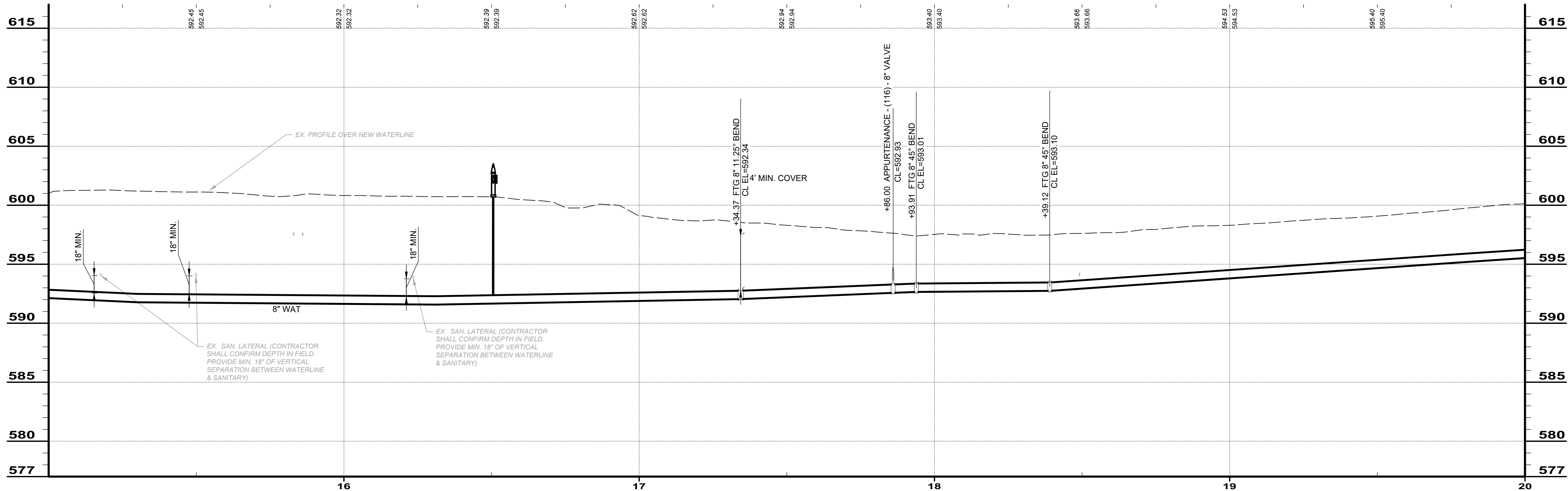
PLAN - WAT RUN 4-4

MATCHLINE (SEE SHEET 44)

STA. 20+00.00



RUN 4-4		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	9	EA
3/4" COPPER SERVICE LINES	147	LF
ADR	0	SY
CDR	54	SY
GDR	29	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	457	SY



PIPE RUN 4-4

BID SET

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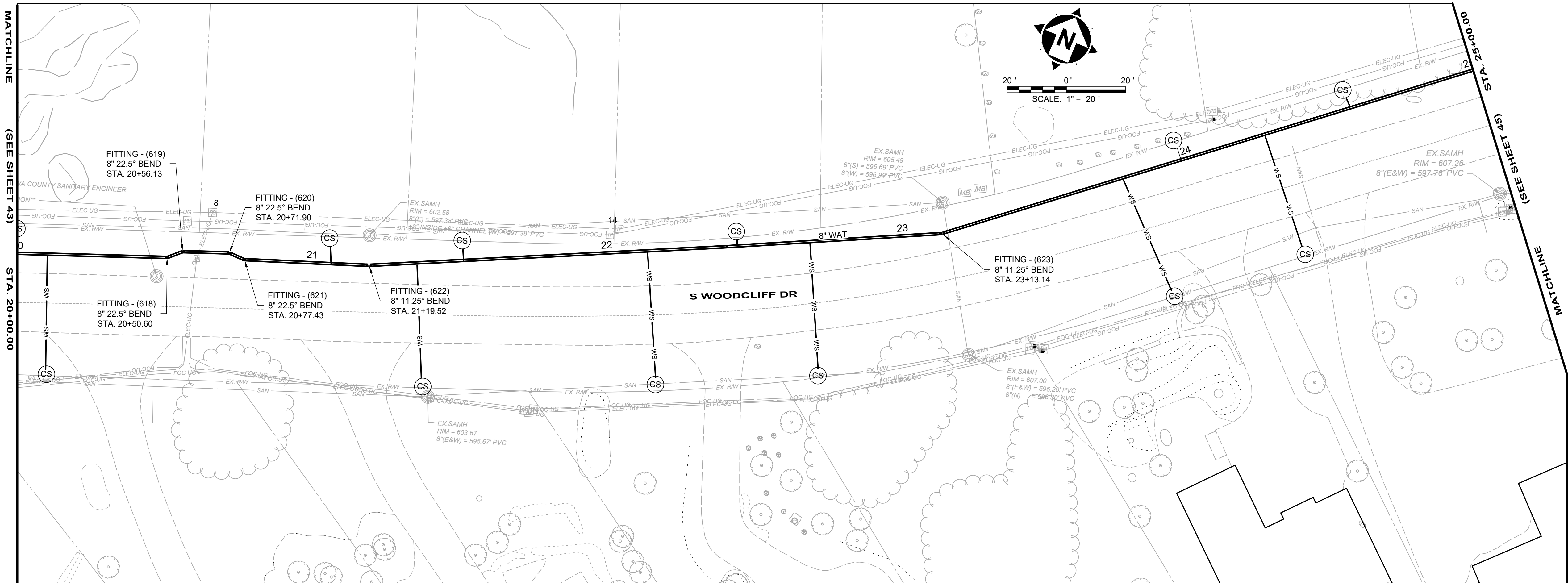
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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
CHECKED BY:	DEB			

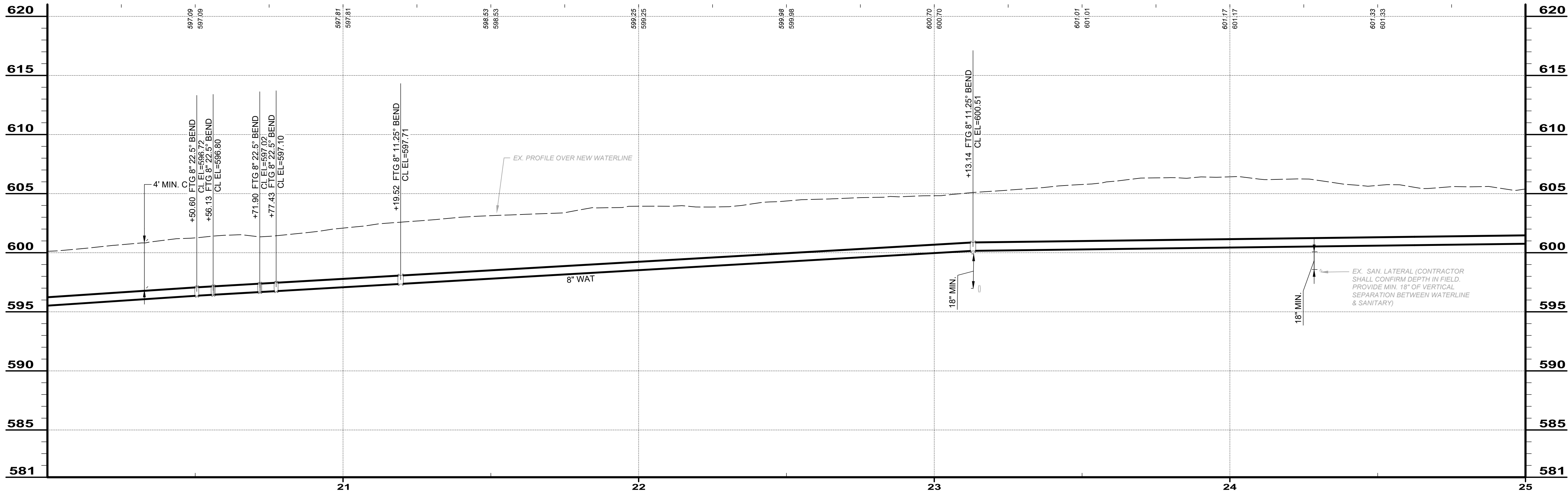
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 4-4

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 4-4	
SHEET	OF
44	51



PLAN - WAT RUN 4-5



PIPE RUN 4-5

RUN 4-5		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8\" DI WM	500	LF
12\" DI WM	0	LF
12\" HDPE WM	0	LF
8\" VALVE	0	EA
6\" FH	0	EA
CURB STOPS	10	EA
3/4\" COPPER SERVICE LINES	250	LF
ADR	0	SY
CDR	0	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	556	SY
2\" COPPER SERVICE LINES	6	LF

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ISSUE DATE:	11/24/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
DRAWN BY:	QDB			
CHECKED BY:	DEB			

JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 4-5

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 4-5	
SHEET 45	OF 51

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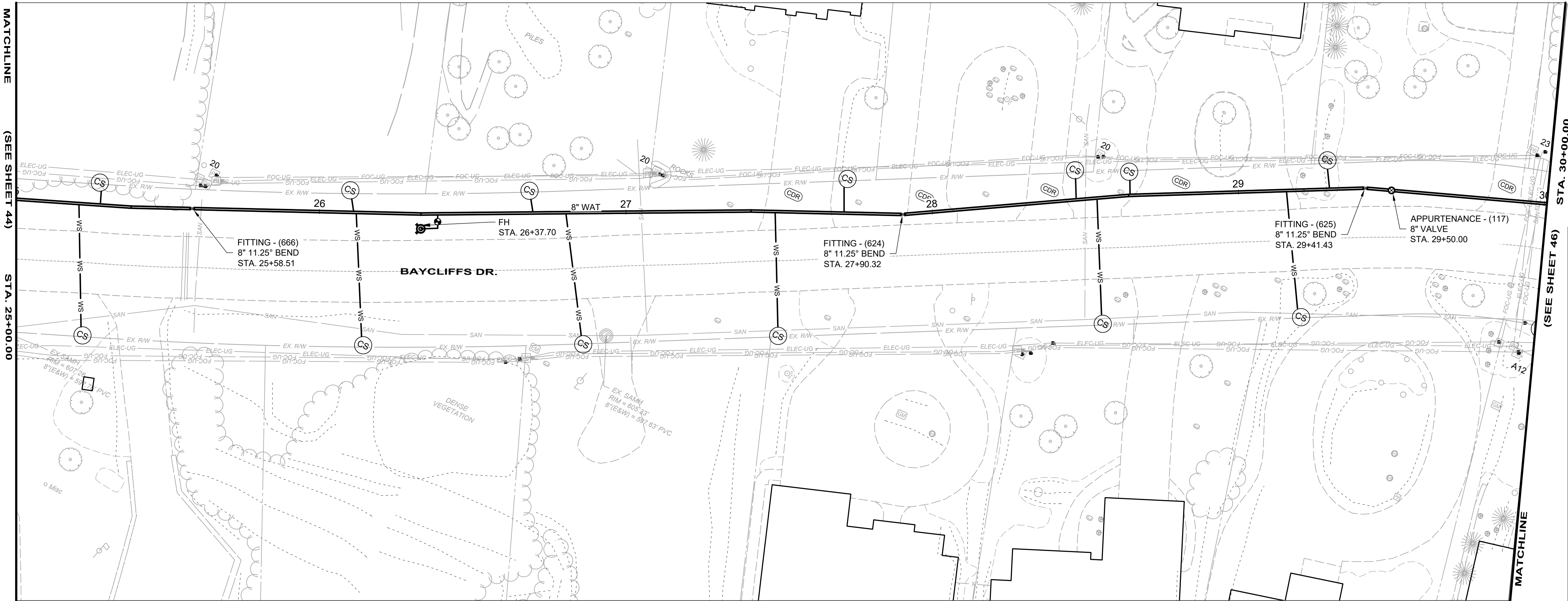
planners

BID SET

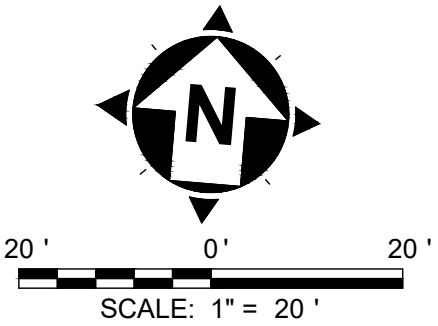
MATCHLINE

(SEE SHEET 44)

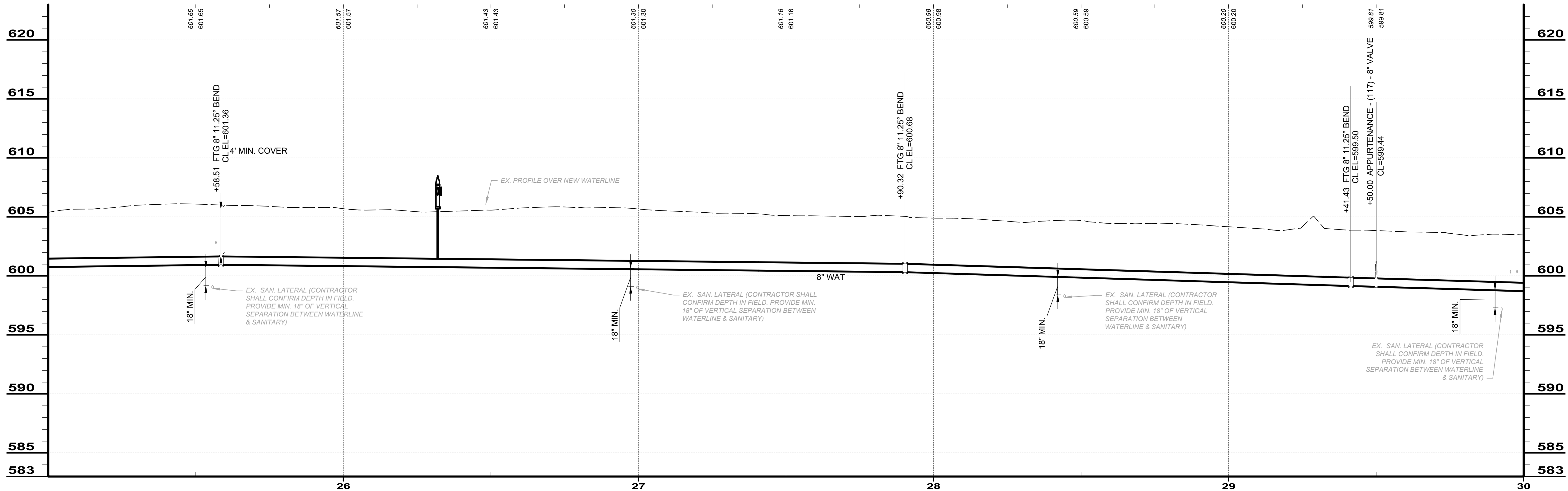
STA. 25+00.00



PLAN - WAT RUN 4-6



RUN 4-6		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	0	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	13	EA
3/4" COPPER SERVICE LINES	272	LF
ADR	0	SY
CDR	12	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	428	SY



PIPE RUN 4-6

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SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
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CHECKED BY:	DEB			

JOHNSON ISLAND WATER MAIN
EXTENSION

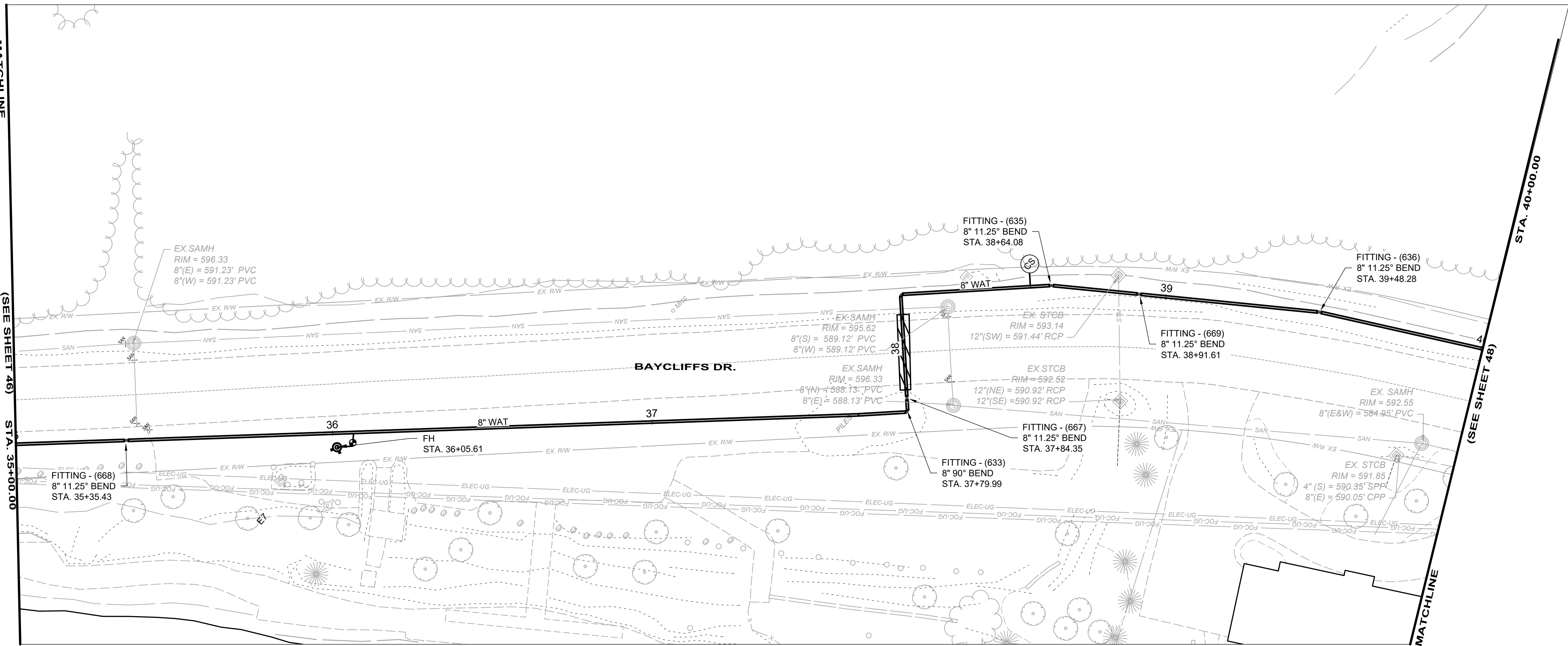
RUN 4-6

PROJECT NO.	
210900	
DISCIPLINE	
CIVIL	
SHEET NAME	
RUN 4-6	
SHEET	OF
46	51

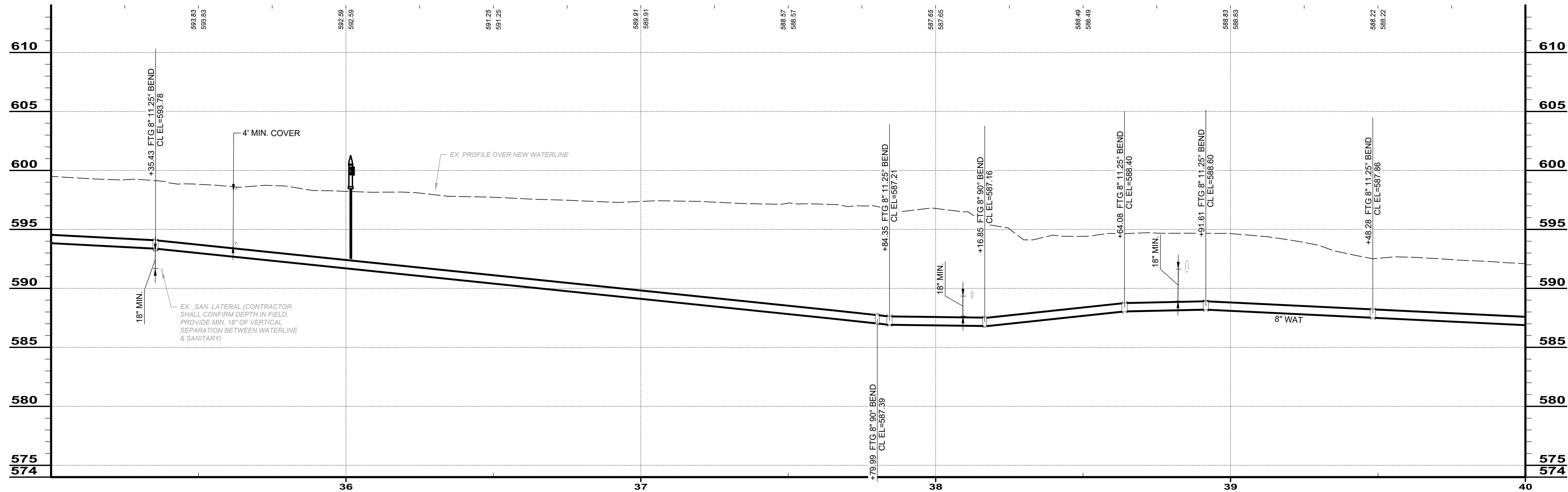
MATCHLINE

(SEE SHEET 46)

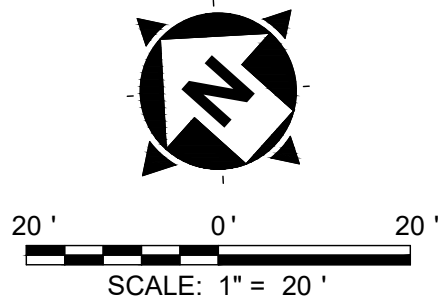
STA. 35+00.00



PLAN - WAT RUN 4-8



PIPE RUN 4-8



RUN 4-8		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	10	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	0	EA
6" FH	1	EA
CURB STOPS	0	EA
3/4" COPPER SERVICE LINES	0	LF
ADR	0	SY
CDR	0	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	530	SY

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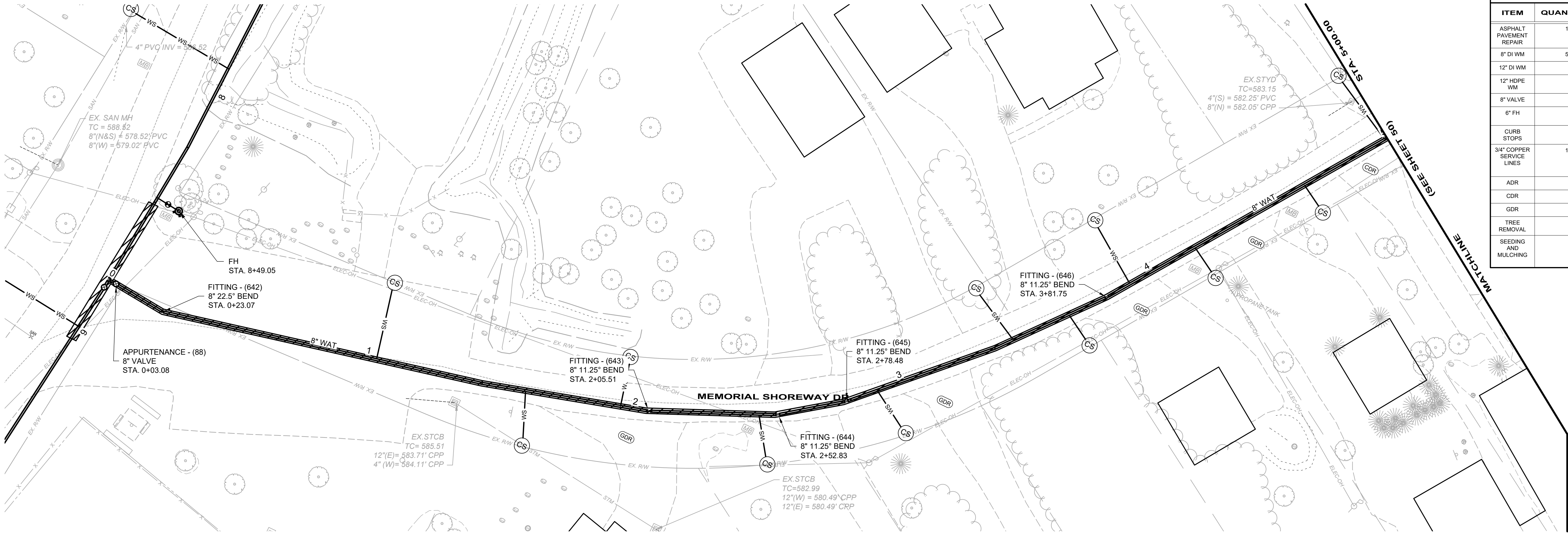
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SCALE:	AS SHOWN			
DESIGNED BY:	QDB			
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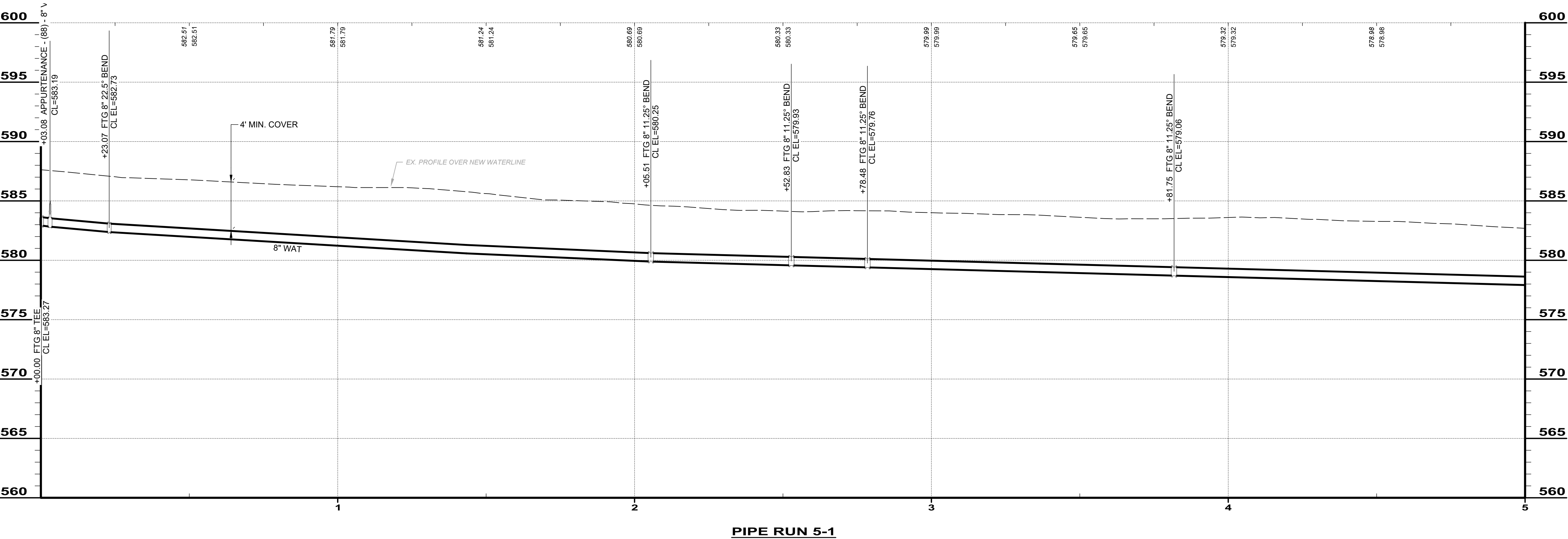
JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 4-8

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 4-8	
SHEET 48	OF 51



RUN 5-1		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	112	SY
8" DI WM	500	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	0	EA
CURB STOPS	11	EA
3/4" COPPER SERVICE LINES	175	LF
ADR	0	SY
CDR	0	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	0	SY



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EXTENSION

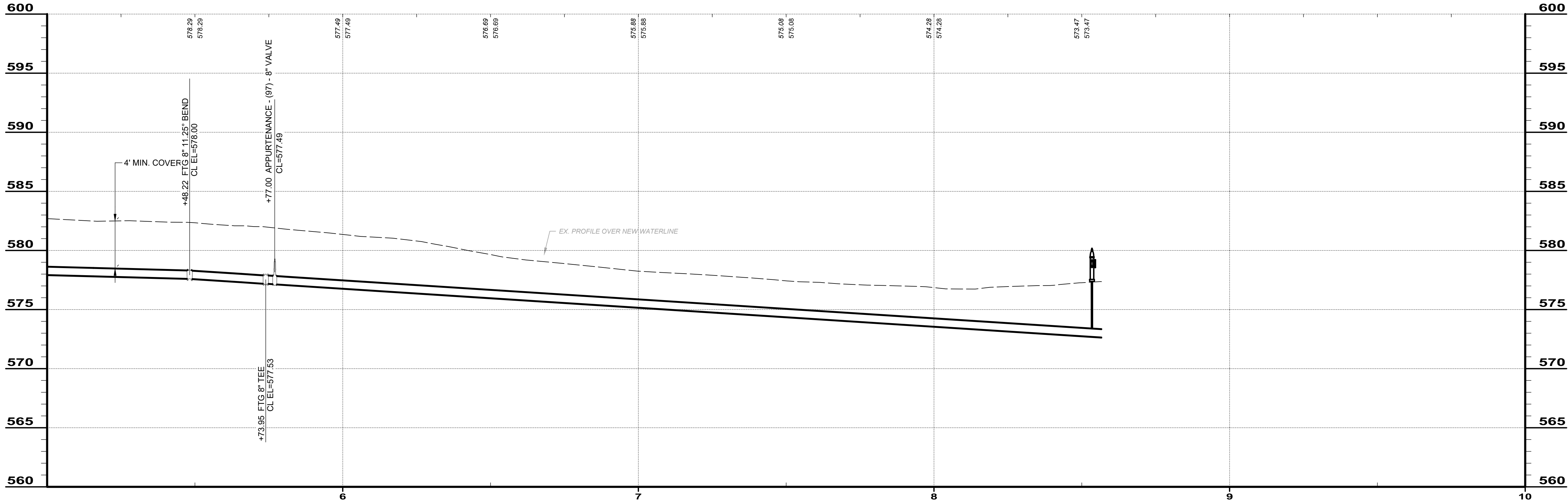
RUN 5-1

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 5-1	
SHEET 50	OF 51



PLAN - WAT RUN 5-2

RUN 5-2		
ITEM	QUANT	UNIT
ASPHALT PAVEMENT REPAIR	80	SY
8" DI WM	357	LF
12" DI WM	0	LF
12" HDPE WM	0	LF
8" VALVE	1	EA
6" FH	1	EA
CURB STOPS	10	EA
3/4" COPPER SERVICE LINES	156	LF
ADR	0	SY
CDR	0	SY
GDR	0	SY
TREE REMOVAL	0	EA
SEEDING AND MULCHING	0	SY



PIPE RUN 5-2

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DRAWN BY:	QDB			
CHECKED BY:	DEB			

JOHNSON ISLAND WATER MAIN
EXTENSION

RUN 5-2

PROJECT NO. 210900	
DISCIPLINE CIVIL	
SHEET NAME RUN 5-2	
SHEET 51	OF 51