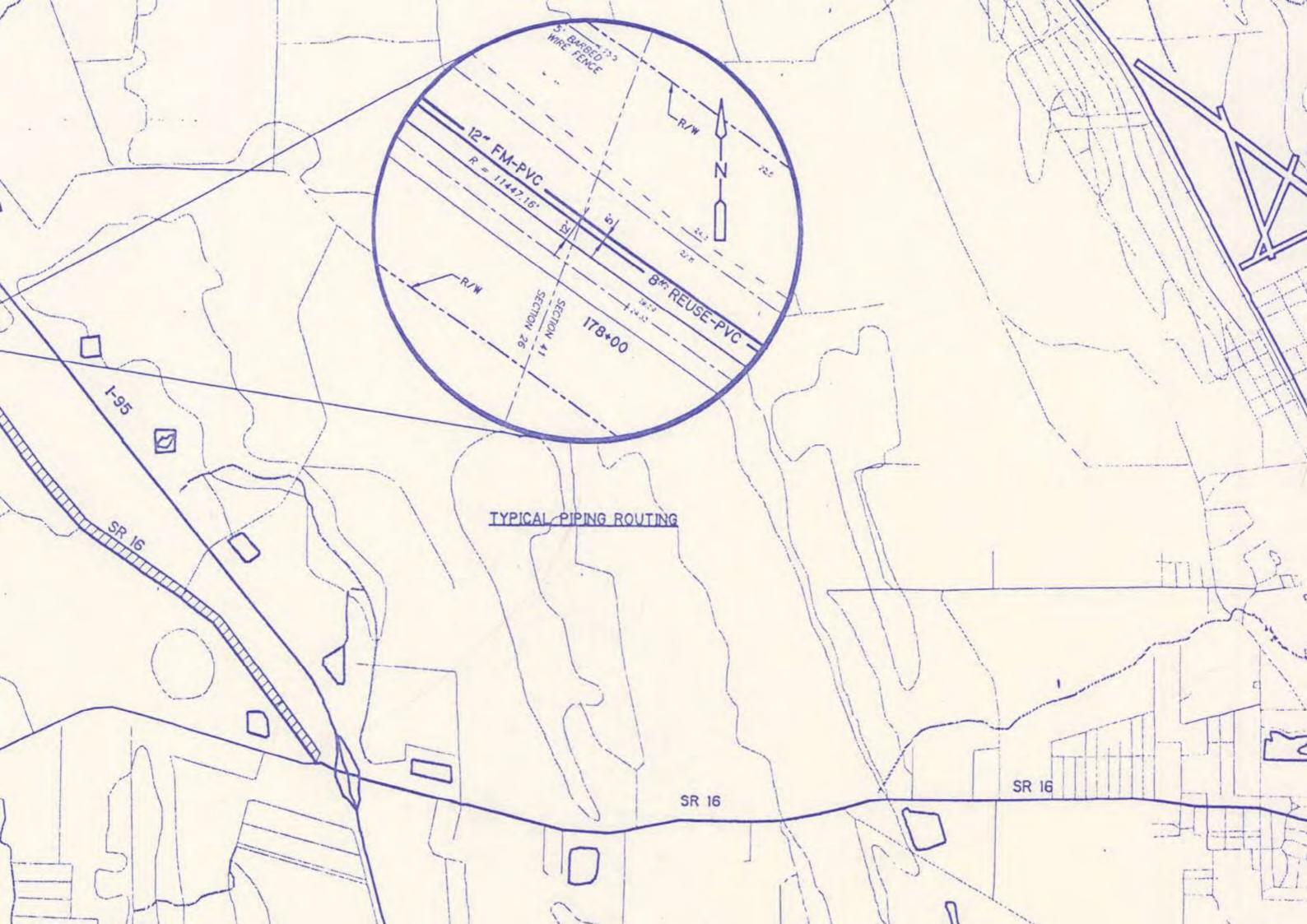
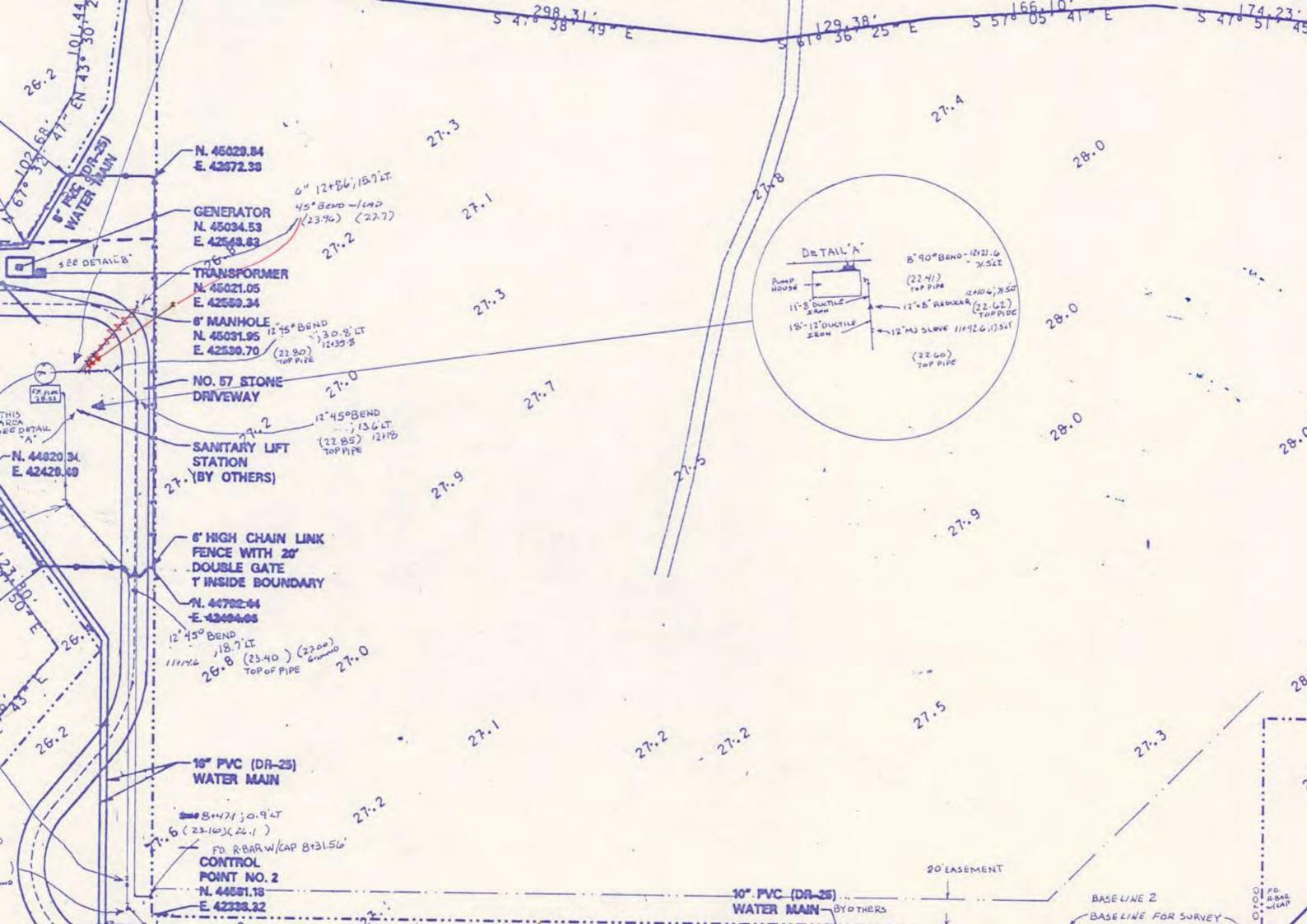
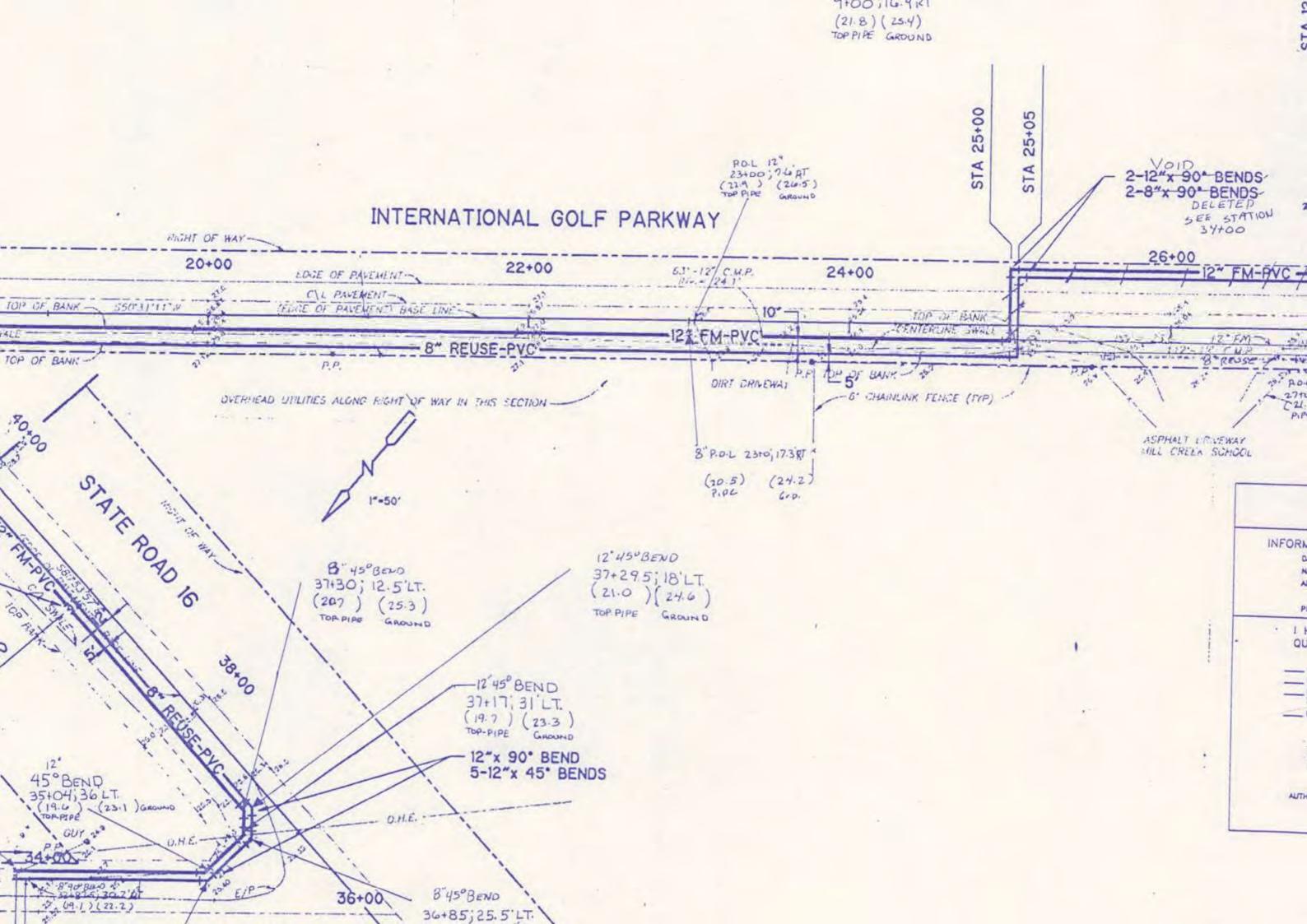
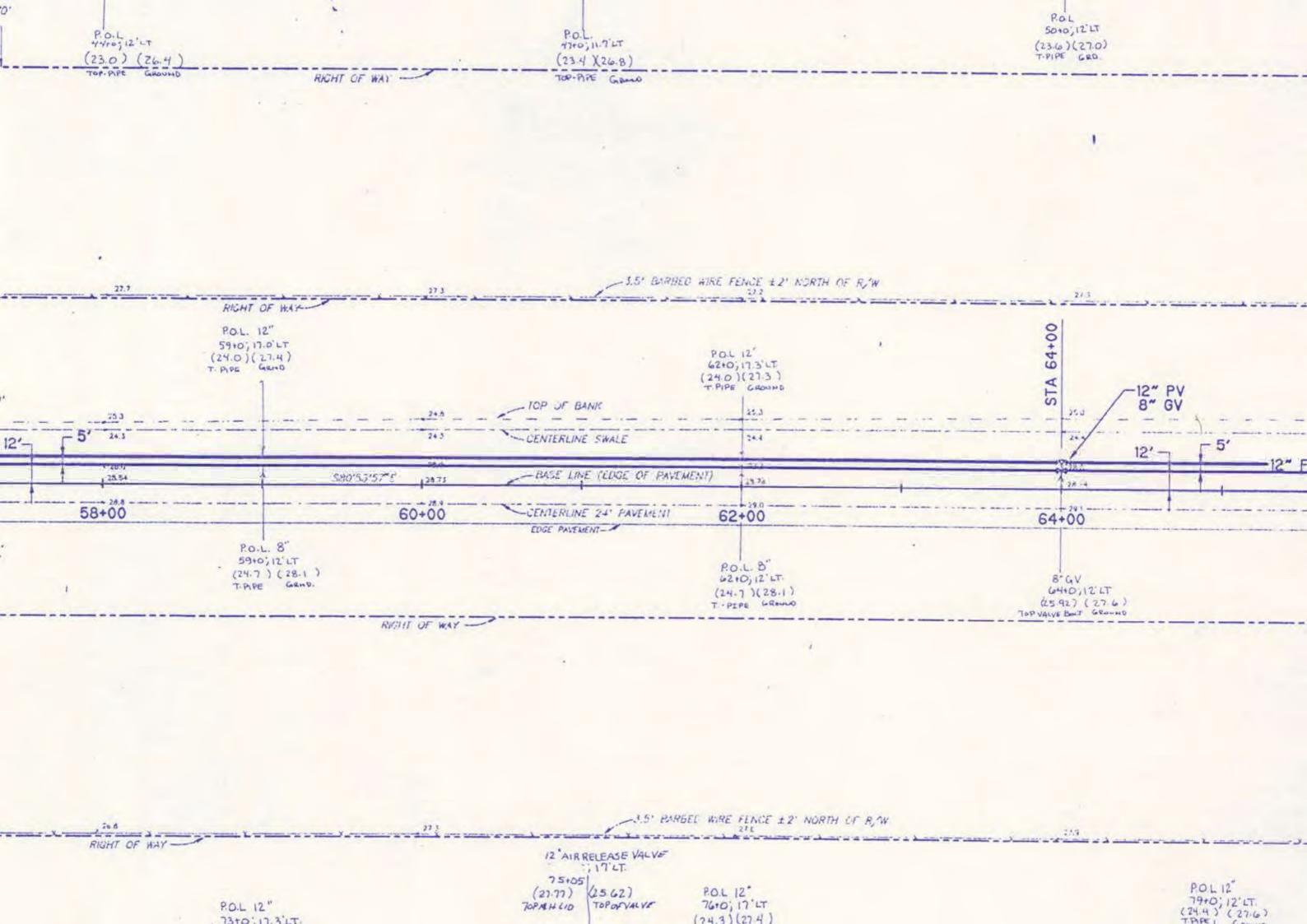
St. Johns County Utility Department Forms and Figures

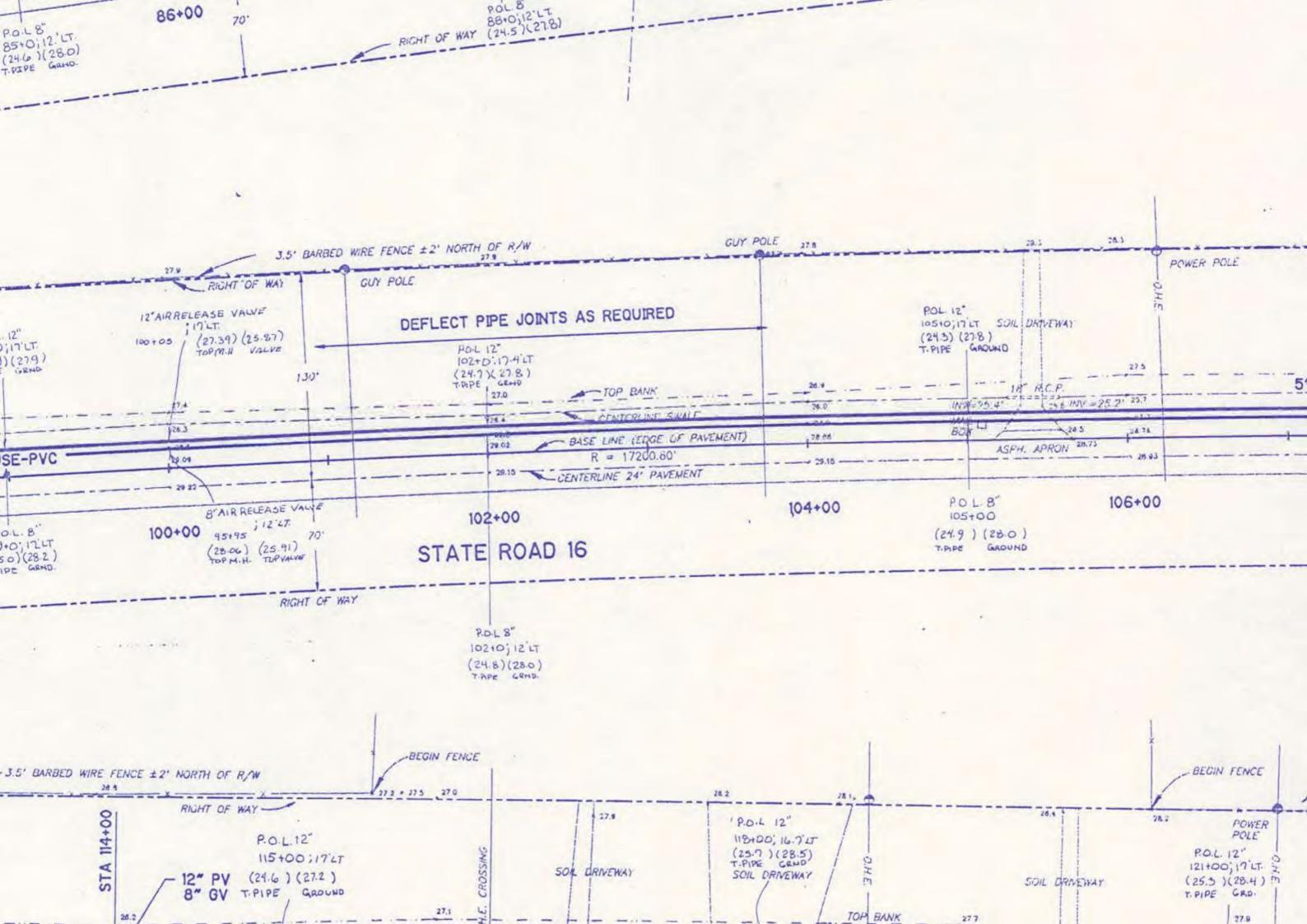
1995 NW International Golf Parkway **As Built Drawings**

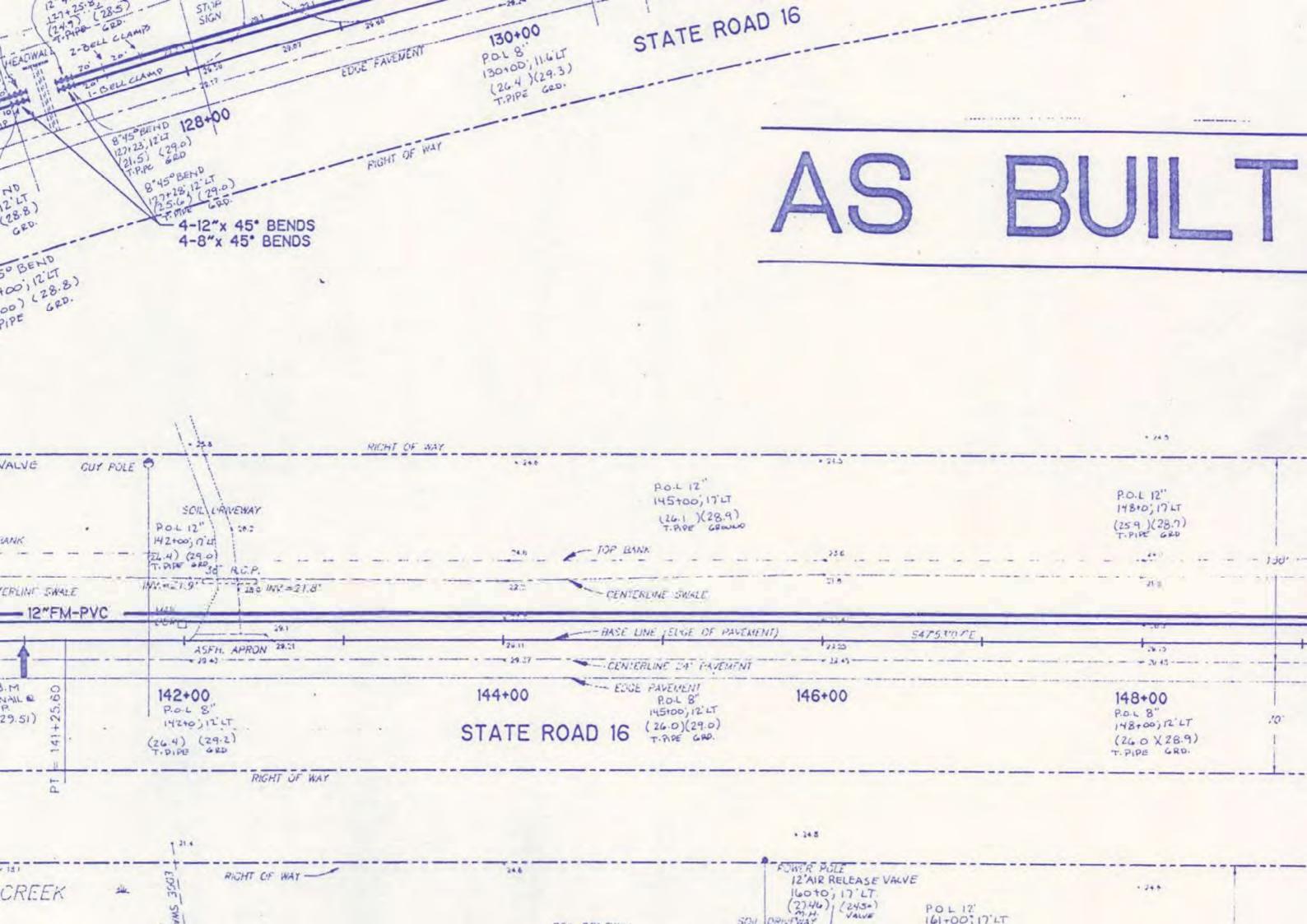


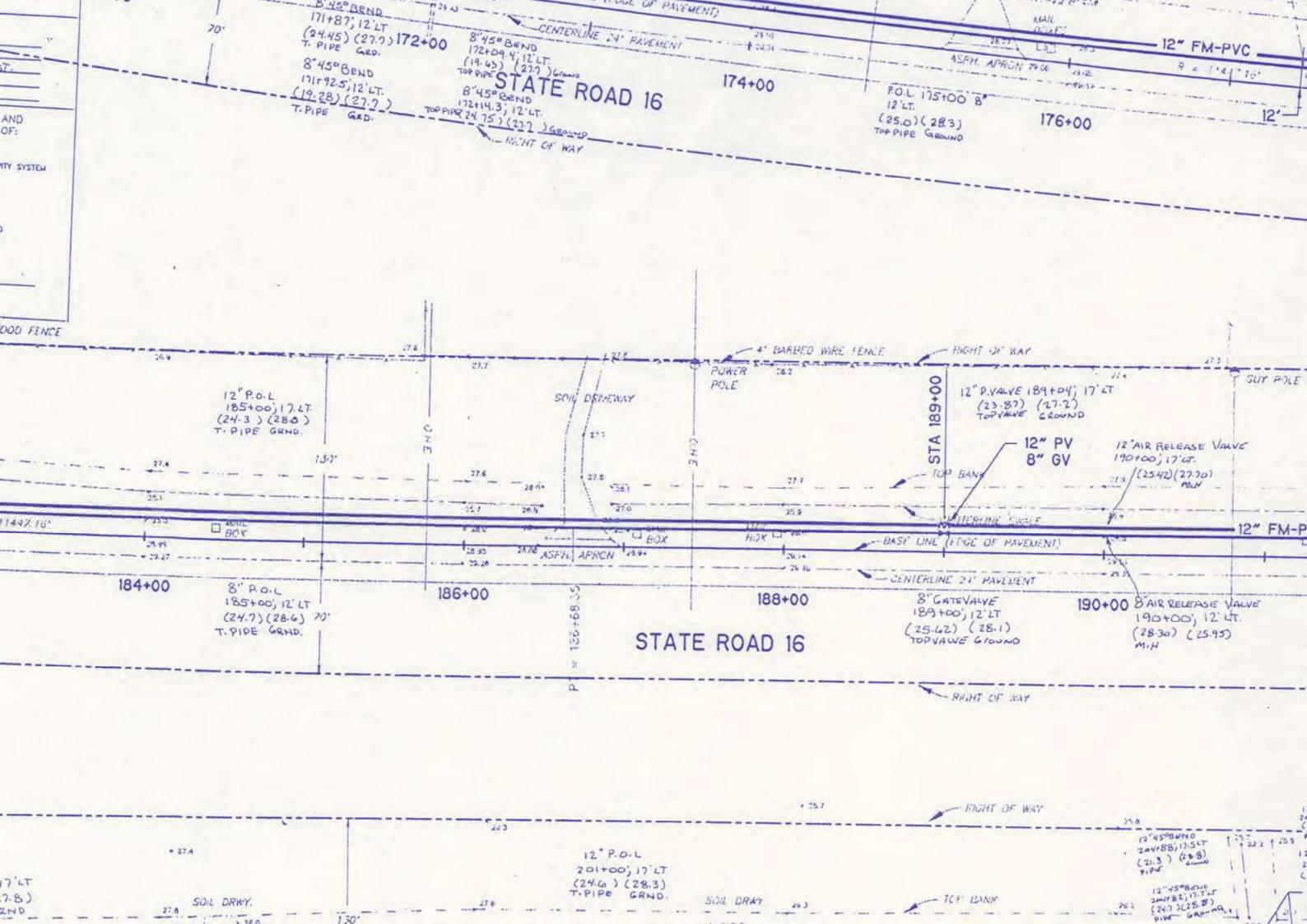


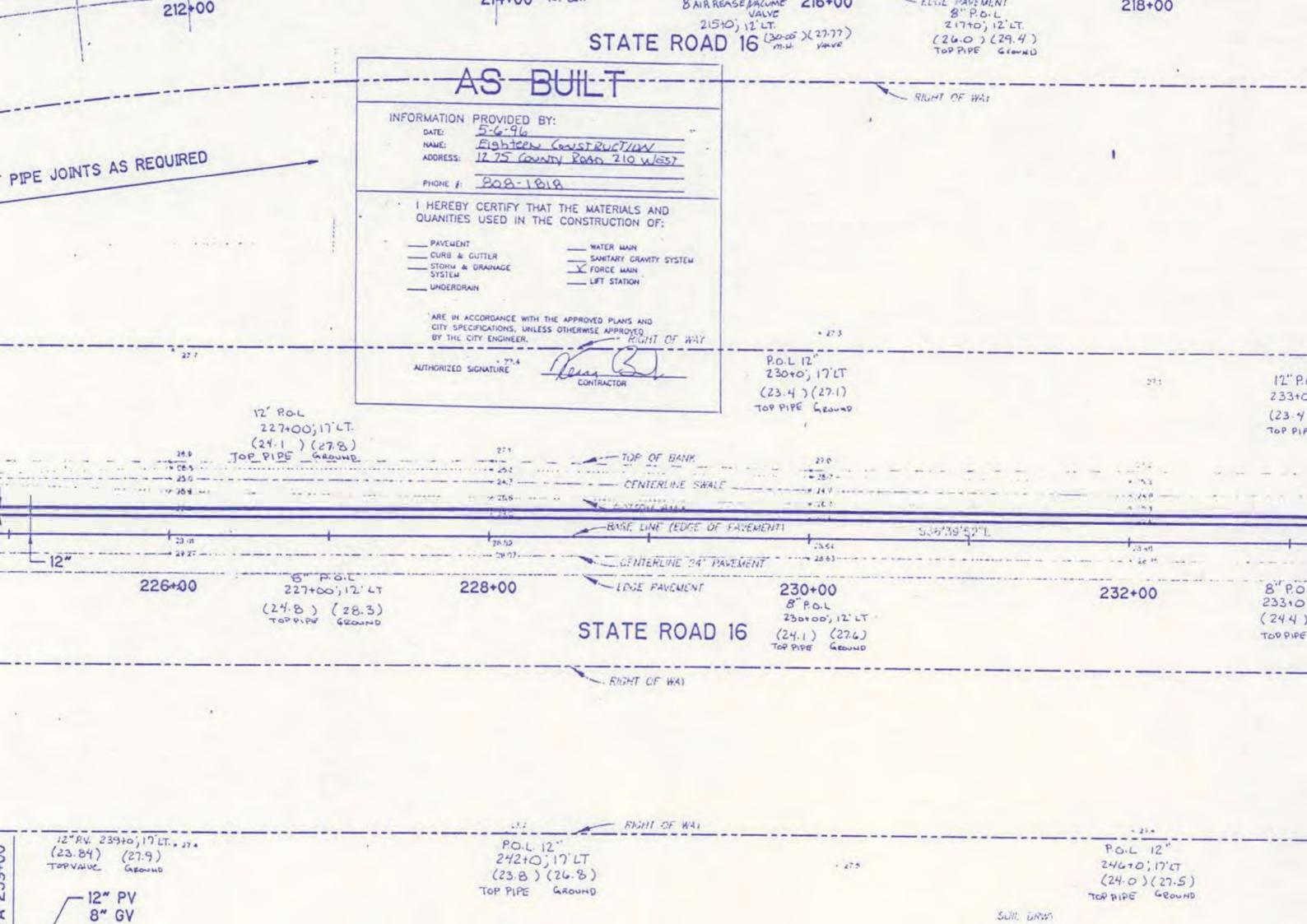


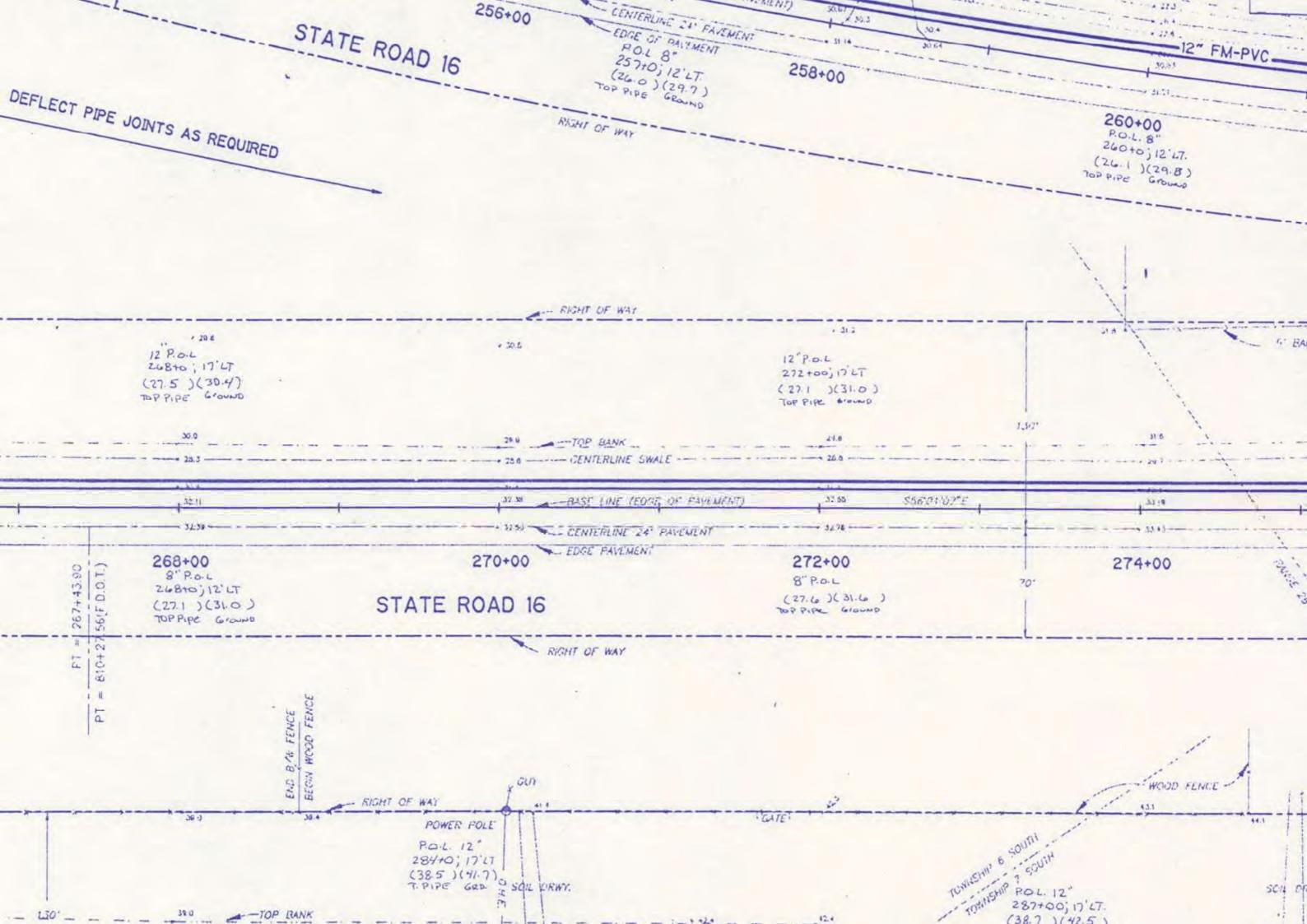


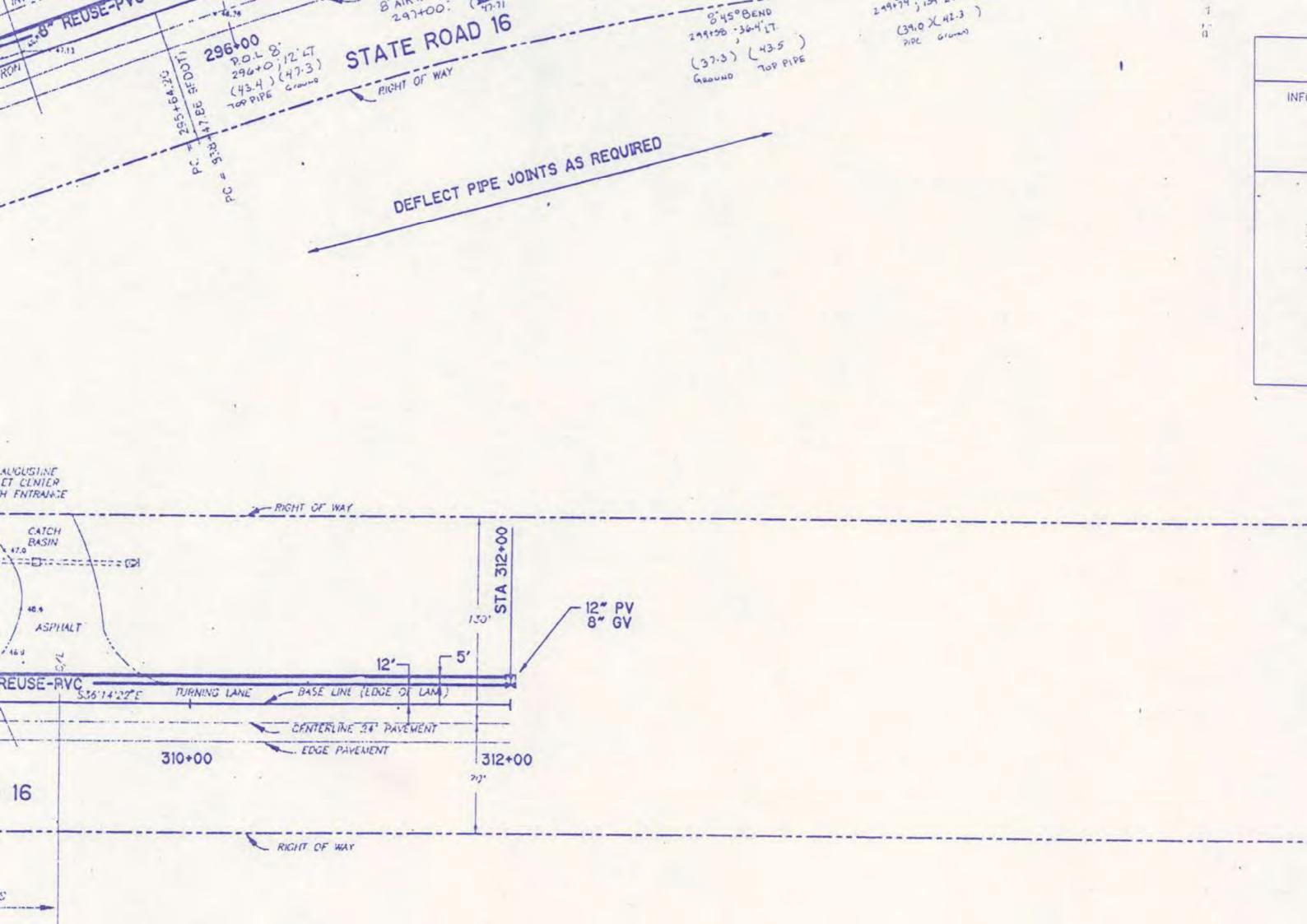












ST. JOHNS COUNTY, FLORIDA

OUTING COUNT OTHER DELIA



INTERNATIONAL GOLF
PARKWAY UTILITIES
EXTENSION
SECTION A

NS

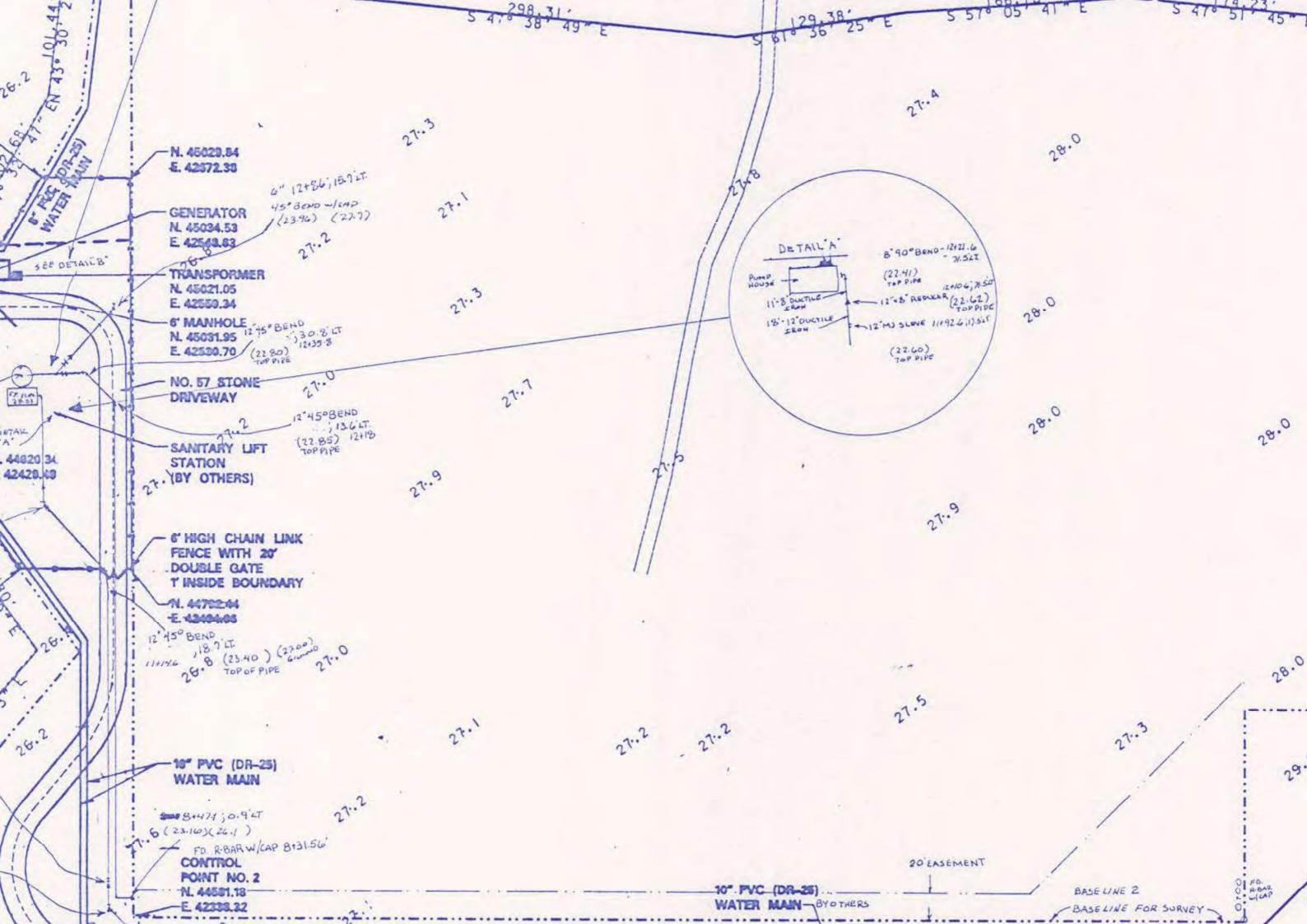
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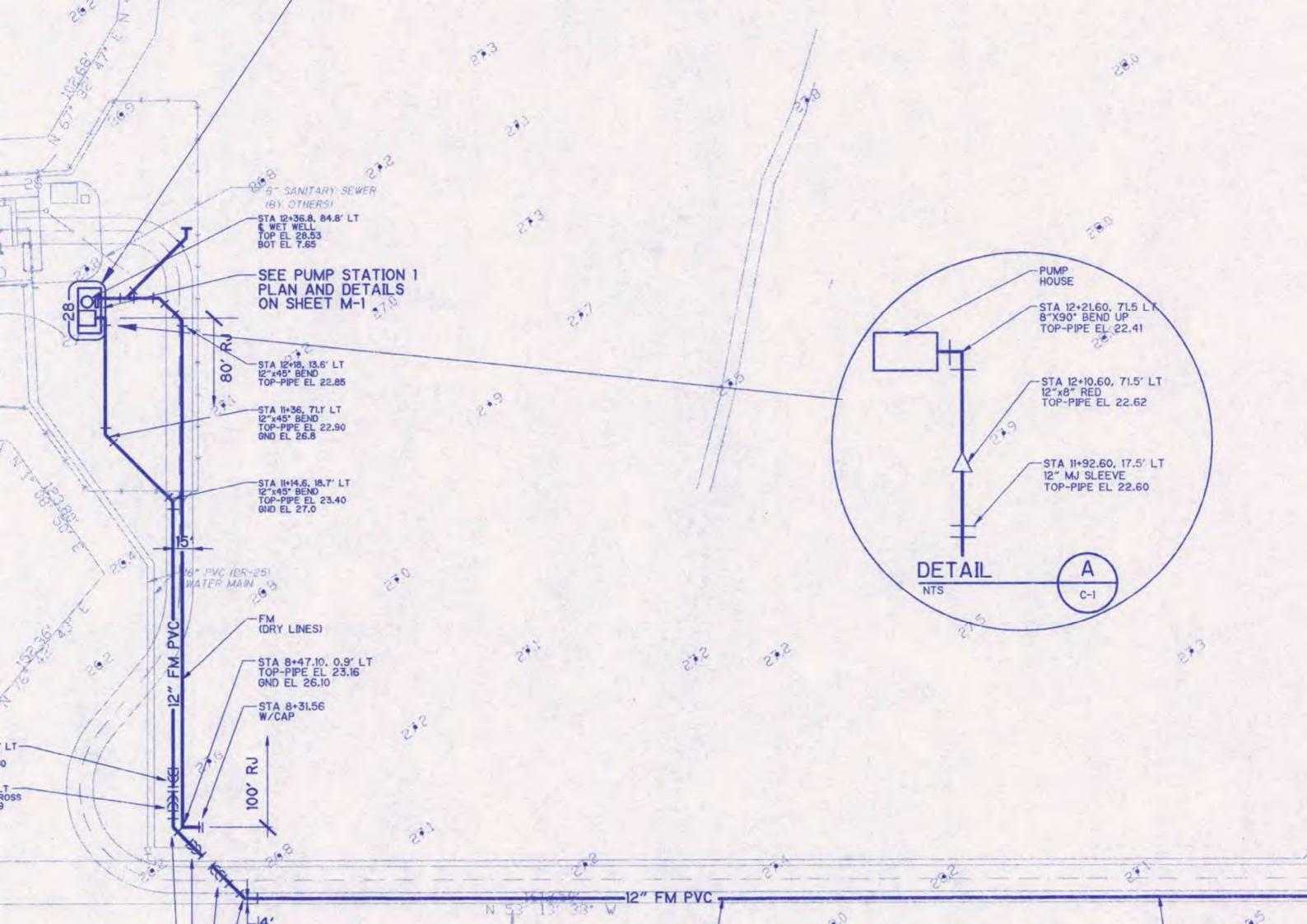
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		LOOK		
-DKI	NEEDLE VALVE	HIGH	H.	FLOOR STAND
		HIGH POINT	H.P.	GATE VALVE
-080	PINCH VALVE	INFLUENT	INFL.	HARNESSED FLANGE ADAPTER COUPLING
	DIAPHRAGM VALVE	LONG	LG.	HOSE BIBB
	DIA TIMON FALTE	LOW POINT	L.P.	HYDRAULIC VALVE ACTUATOR
14	BUTTERFLY VALVE	MATERIAL	MTL.	MECHANICAL JOINT PLUG
		MANUFACTURE	MFG.	PLASTIC BALL VALVE
	PLUG VALVE	MAXIMUM	MAX.	PLASTIC CHECK VALVE
	3-WAY PLUG VALVE	MECHANICAL	MECH.	PLUG VALVE
T		METAL	MET.	SILENT CHECK VALVE
1	5 miles 2 page 1000 Value	MINIMUM	MIN.	UNION
Y	4-WAY PLUG VALVE	MOUNTED	MTD.	VALVE BOX
		NOMINAL	NOM.	VICTAULIC COUPLING (GROOVED ENDS)
1	CHECK VALVE, GENERAL SYMBOL	NOT TO SCALE	N.T.S.	VICTAULIC COUPLING (SHOULDERED ENDS)
		NUMBER	NO.	WALL SLEEVE
10	BALL CHECK VALVE	ON CENTER	o.c.	WALL PIECE (WITH WATER STOP)
/	DOUBLE DOOR CHECK VALVE	OPTION	OPT.	
	DOODLE DOOR GILLON TALLE	OPPOSITE	OPP.	
A-	ANGLE VALVE	OPENING	OPNG.	
7		OR EQUAL	0/E.	PIPE
5	SOLEHOID VALVE	PIECE	PC.	
	SOLENOID VALVE	POINT	PT.	
	THREE WAY SOLENOID VALVE	POUND	LB.	
T		PLATE	PL.	
	FOUR WAY SOLENOID VALVE	RADIUS	RAD., R.	ASBESTOS CEMENT PIPE
李	TOOK WAT SOLETION THETE	REQUIRED	REO'D	BLACK STEEL PIPE
M	MOTOR COSCATED WALVE	RIGHT OF WAY	R/W	CAST IRON
	MOTOR OPERATED VALVE		RM.	CAST IRON PIPE
-1	FLAP VALVE	ROOM	SQ.	CAST IRON SOIL PIPE
П		SOUARE	S.S.	CONCRETE PRESSURE PIPE
—	SHEAR GATE	STAINLESS STEEL	SDWK.	COPPER PIPE
<u>a</u>	MUD VALVE	SIDEWALK		
9	MOD VALVE	SHEET	SH., SHT.	DUCTILE IRON PIPE
	FLOOR DRAIN	SYMMETRICAL	SYMM.	DUCTILE IRON
	LOOK DIGHT	SECTION	SEC.	FIBERGLASS REINFORCED PIPE
4		STANDARD	ST'D	FLANGE
	OPEN EQUIPMENT DRAIN	STEEL	STL.	GALVANIZED STEEL PIPE
N 1		THICK	THK.	MECHANICAL JOINT
	ECCENTRIC REDUCER OR REDUCING BUSHING	TYPICAL	TYP.	METAL REINFORCED PLASTIC PIPE
		TEMPORARY	TEMP.	POLYETHYLENE PIPE
1	CONCENTRIC REDUCER OR REDUCING BUSHING	THREADED	THD.	POLYVINYLCHLORIDE
		UTILITY EASEMENT	U.E.	REINFORCED CONCRETE PIPE
	Y-STRAINER	VERTICAL	VERT.	RESTRAINED JOINT
0		WEST	w.	SLIP-ON JOINT
United	CALIDRATION OVERIORS	WITH	W/	STEEL PIPE
Ā	CALIBRATION CYLINDER	WATER LEVEL	W.L.	TIED JOINT
4		WEATHERPROOF	WPF.	VITRIFIED CLAY PIPE
prog.		WATER	WTR.	
₽ P	AIR RELEASE VALVE			

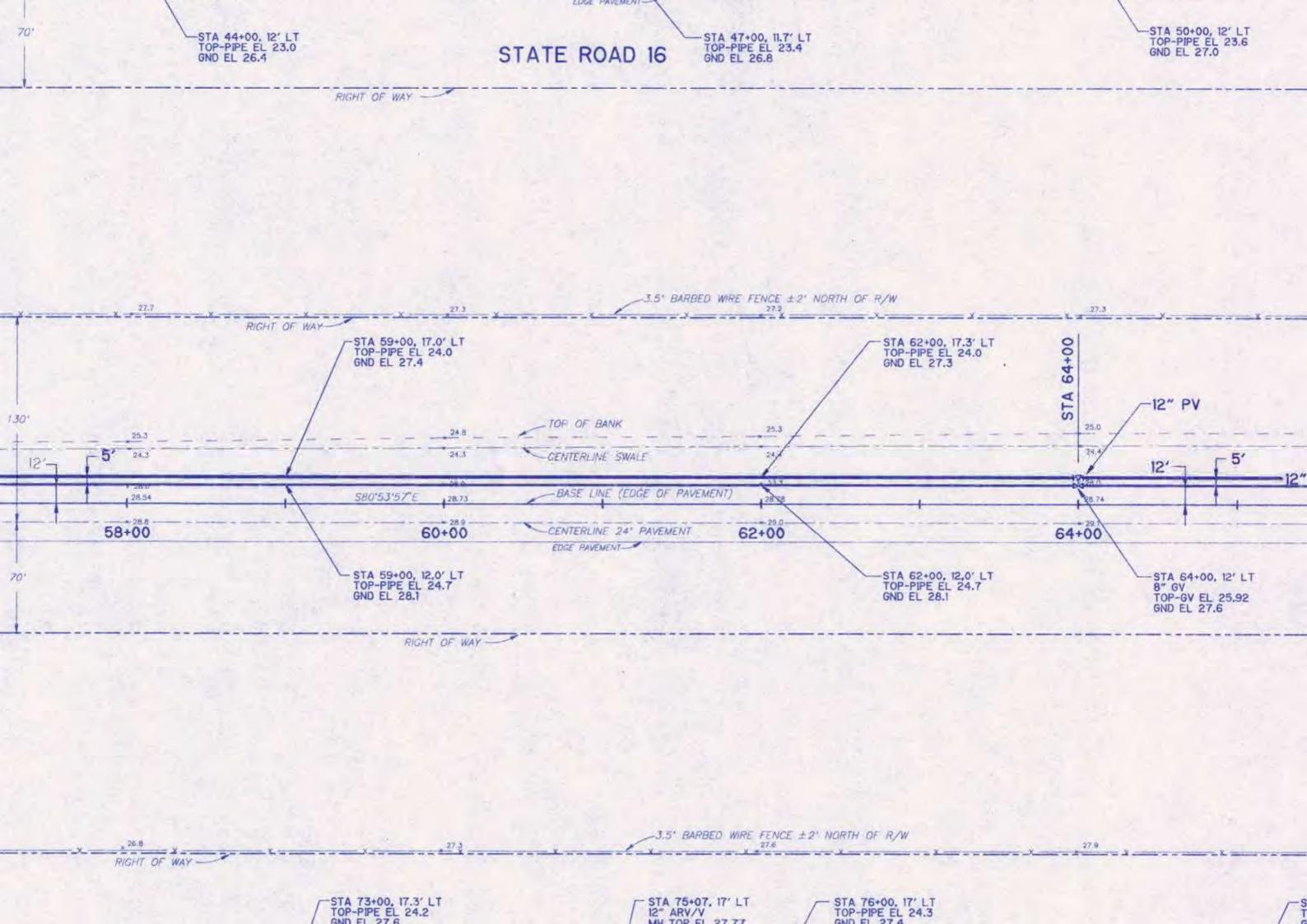


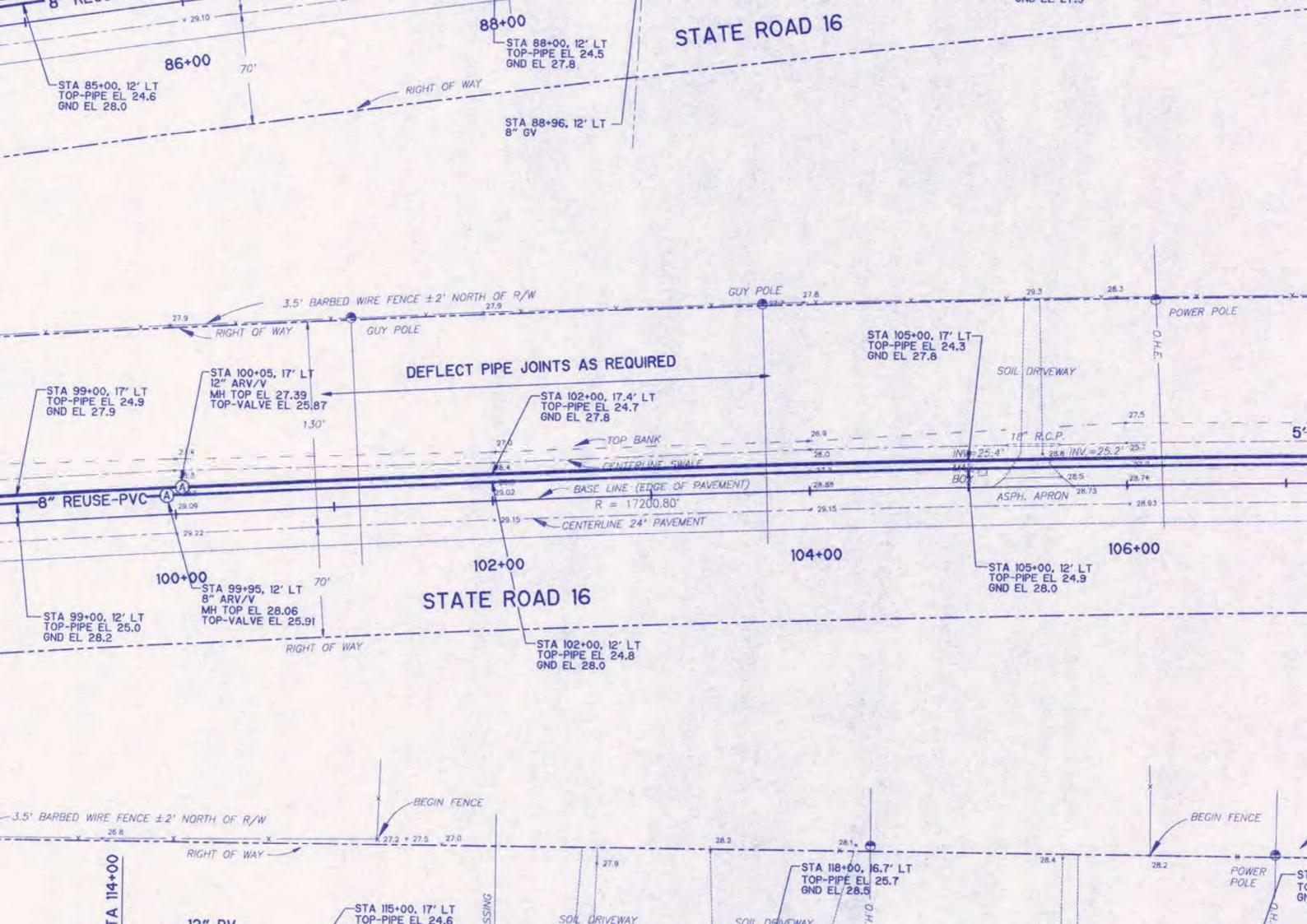


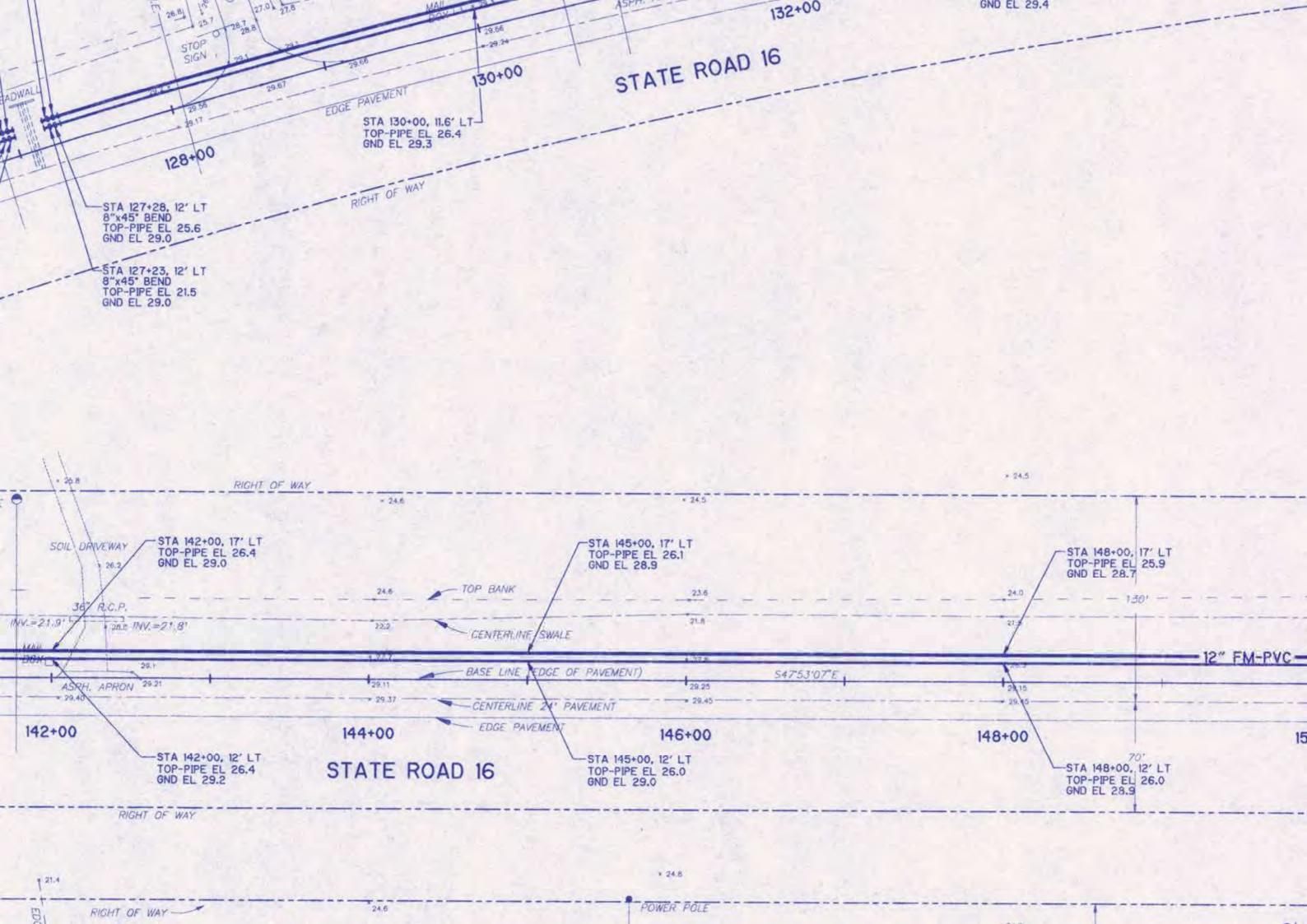


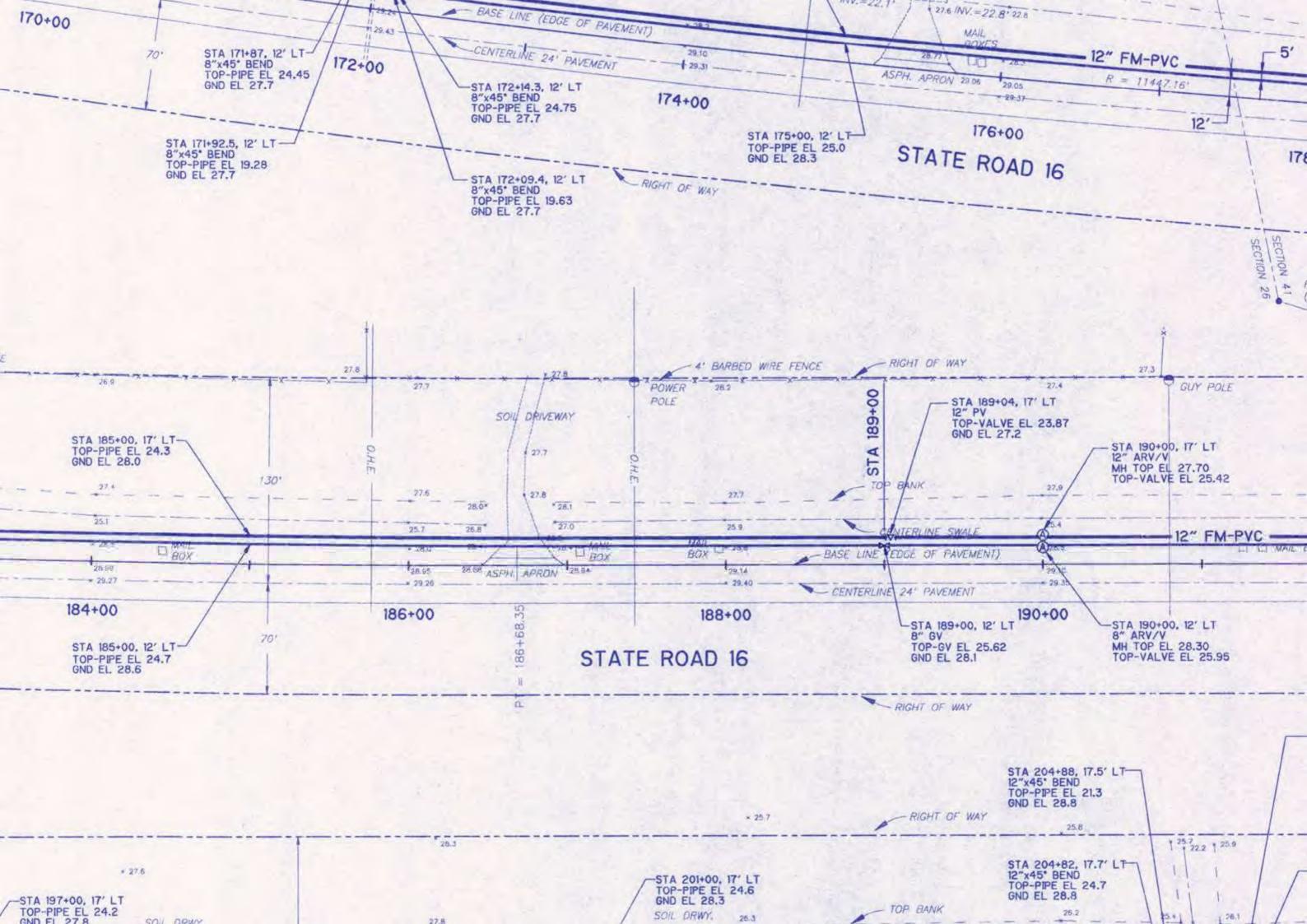
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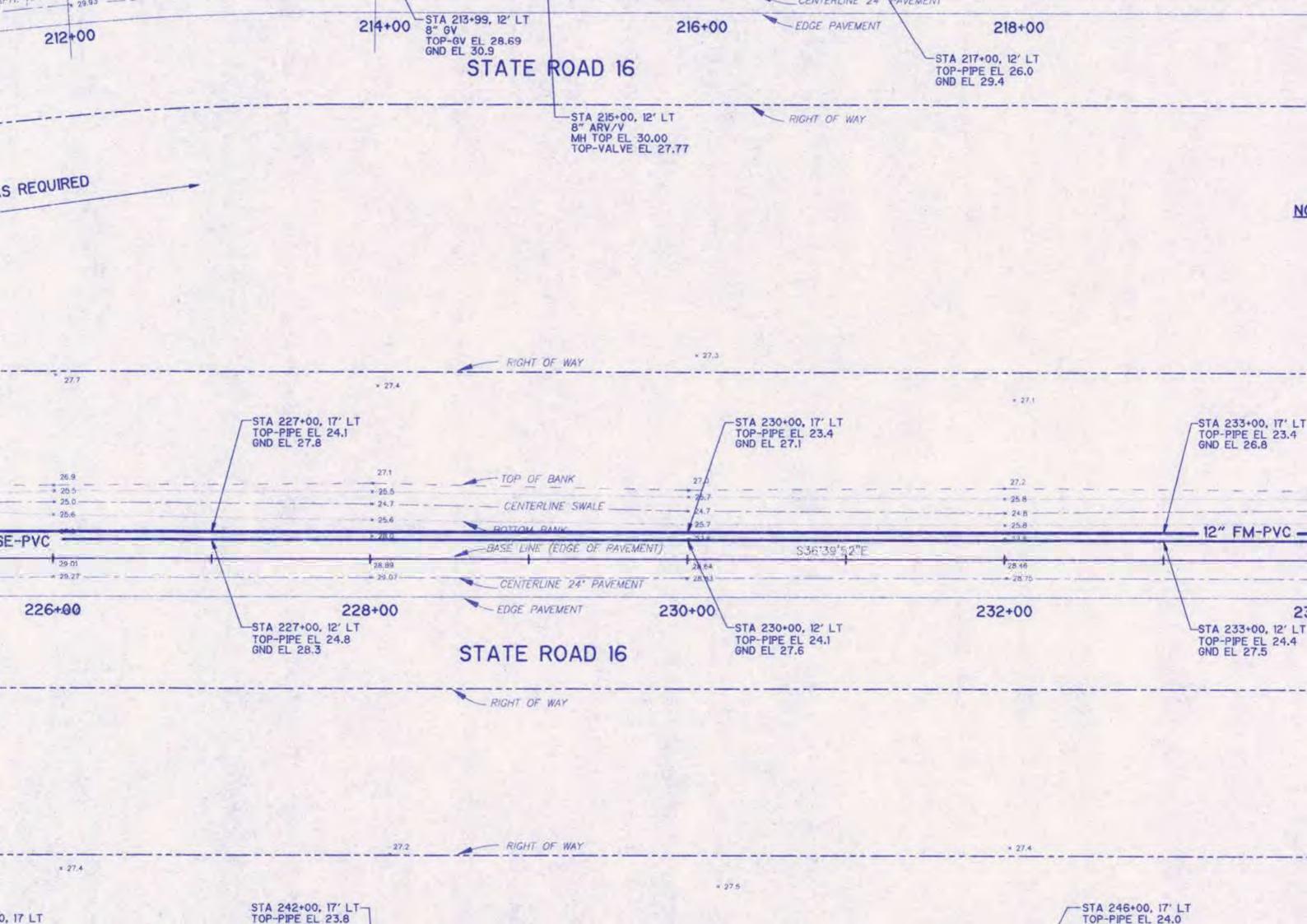
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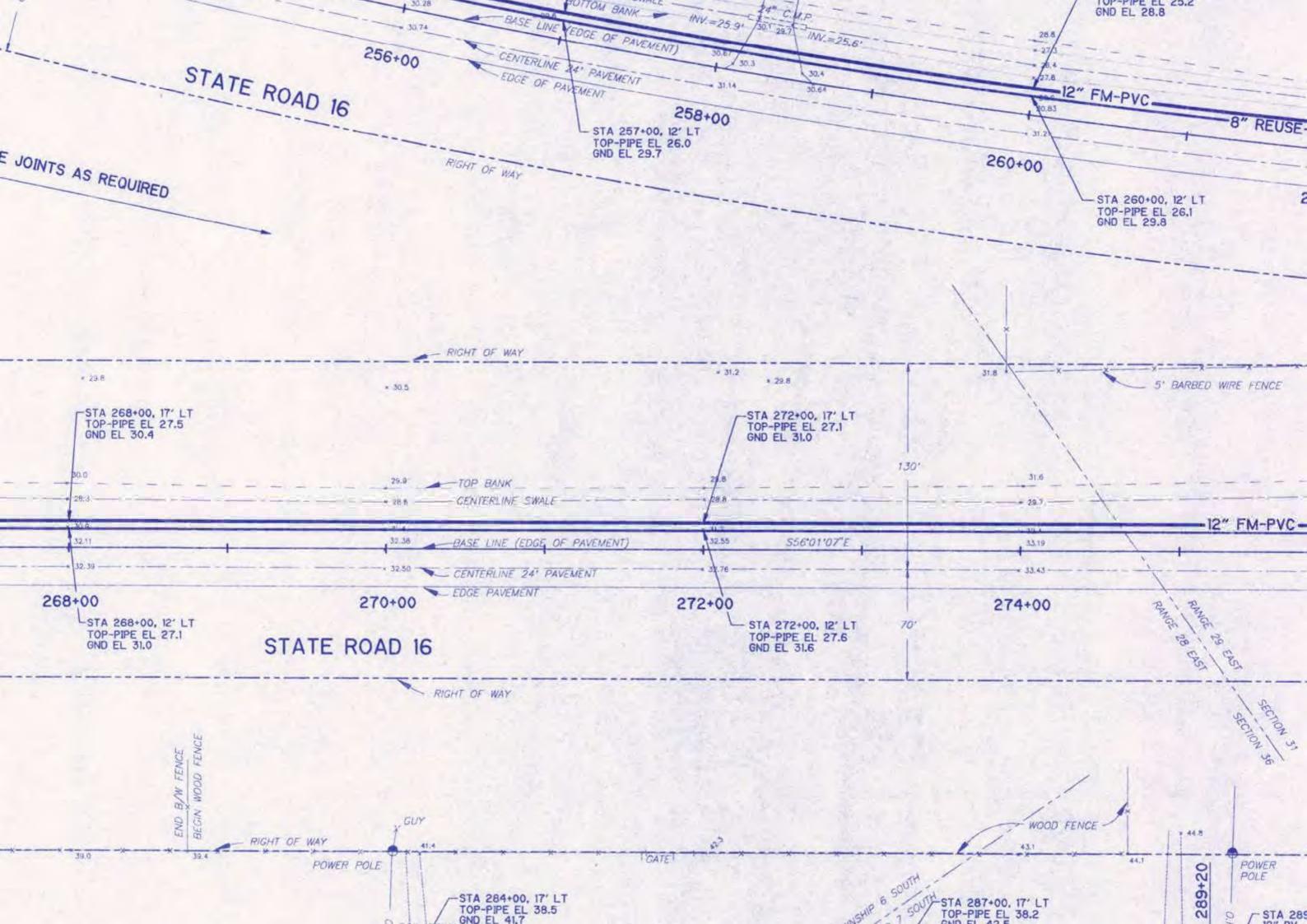


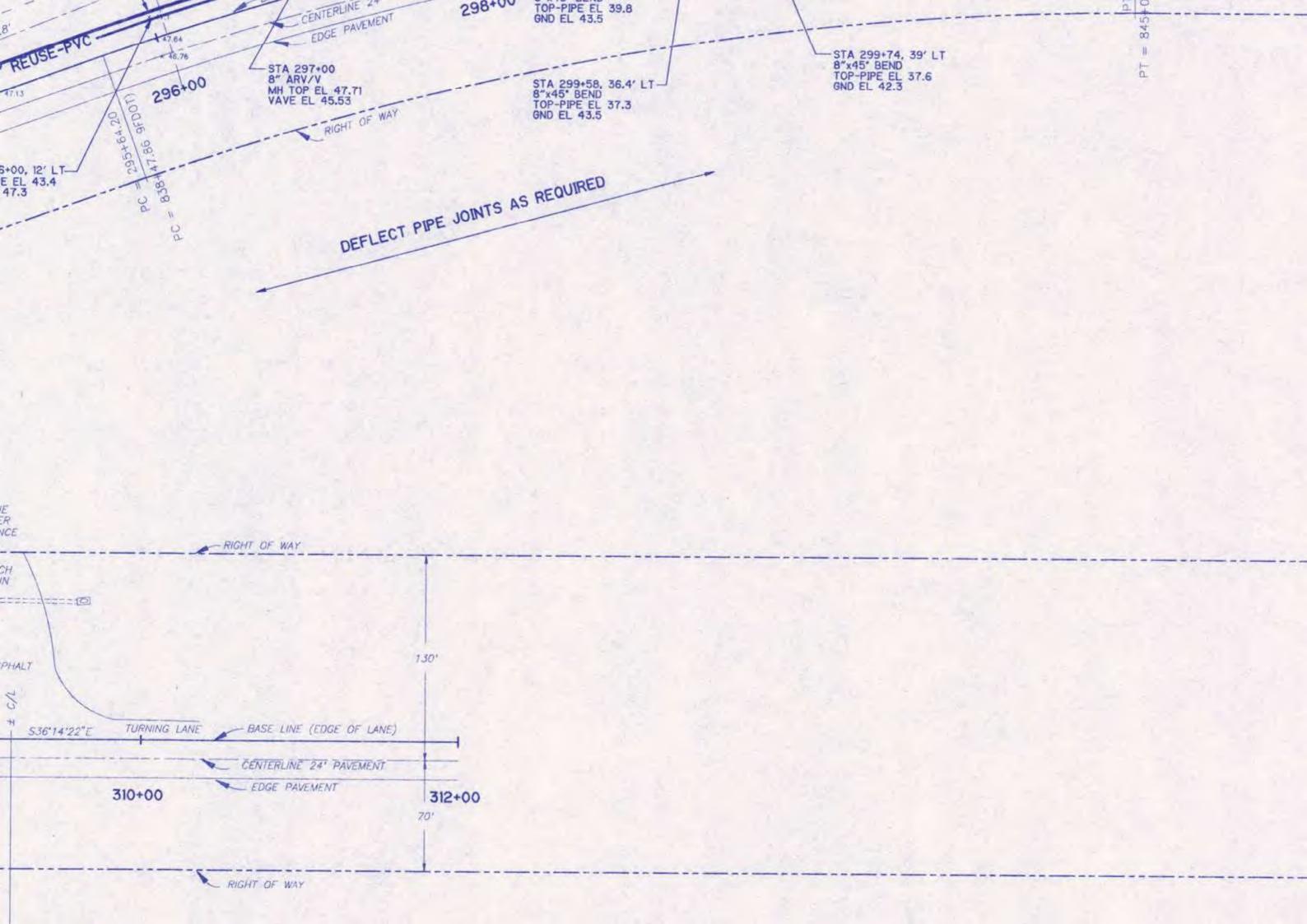








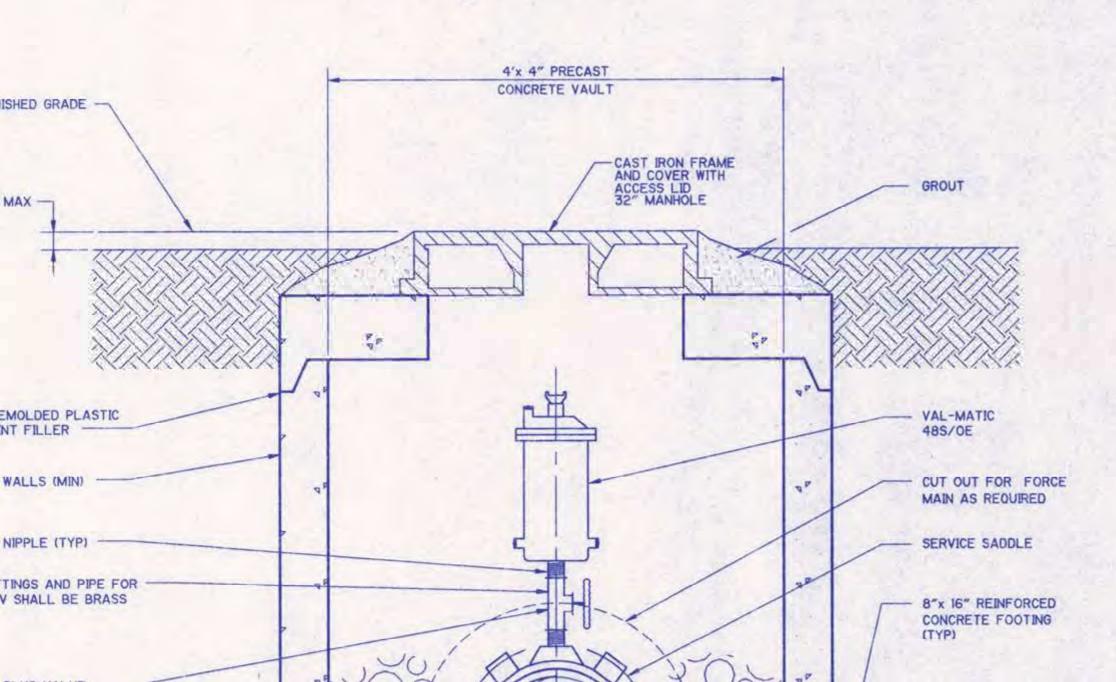




- THREE LAYERS AND EACH LAYER THOROUGHLY
 ROLLED OR TAMPED TO MINIMUM DENSITY OF 98%
 BY A.A.S.H.T.O. T-180 SPEC. LBR100
- ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
- 4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
- NEW SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
- 6. WHERE TRAFFIC SIGNALIZATION EXISTS IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE THE SYSTEM DISTURBED IN ACCORDANCE WITH THE GOVERNING AUTHORITY'S REQUIREMENTS.
- ALL ROADWAY REPLACEMENT SHALL BE IN COMPLIANCE WITH GOVERNING AUTHORITY WHERE CUT IS MADE.
- 8. FOR PVC PIPE ONLY INSTALL METALLIC TAPE OVER FULL LENGTH OF PIPE. SEE SPECIFICATIONS.

OPEN CUT PAVEMENT REPAIR

NTS



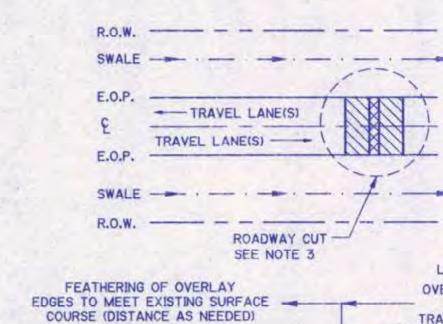
LIMEROCK PATCH IN

ORIGINAL

EXCAVATION

NTS

SHOULDER & SWALE



10" NEW COMPACTED LIMEROCK 95% PER

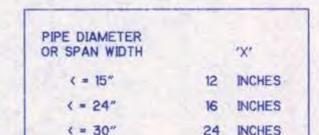
EXISTING ASPHALT SURFACE COURSE

EXISTING BASE COURSE

EXISTING STABILIZED SUBGRADE

STORM DRAIN 30 INCHES AND LESS

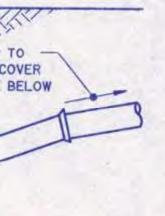
FLOWABLE FILL MATERIAL SHALL BE PROPORTIONED TO PRODU A 28 DAY COMPRESSIVE STRENGTH OF 150 POUNDS PER SQUARE INCH (psi). FLOWABLE FILL SHALL BE PLACED FROM THE TOP OF THE PIPE BEDDING TO THE TOP OF THE EXISTING ROADWAY LIMEROCK BASE COURSE.



SLEEVED UTILITY INSTALLATIONS

PIPE BEDDING SHA

PLUS 1/



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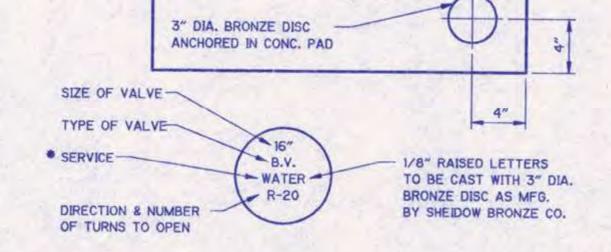
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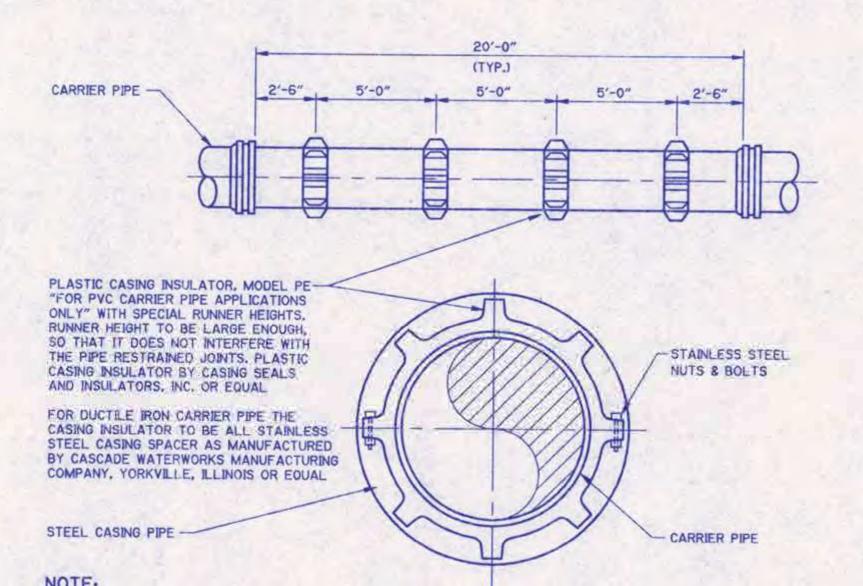
IS SHALL BE LAID TO PROVIDE WEEN THE INVERT OF THE S MINIMUM SEPARATION SO THAT THE SEWER PIPE POINT OF CROSSING WITH BOTH PIPES SHALL BE ROSSING OVER A WATER ES AND JOINTS IN THE IRRESPECTIVE OF

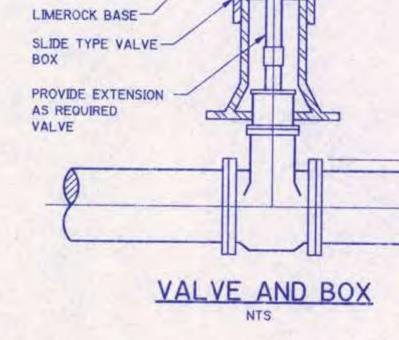
TER MAIN AND STORM OR

DE A MIMIMUM VERTICAL THE FORCE MAIN AND HE FORCE MAIN.



CONCRETE VALVE PAD/IDENT. DISC.





2"XI807 RETURN BEND -

SEE SPEC'S. FOR PAINTIN

STAINLESS STEEL-INSECT SCREEN

OFFSET WITH BENDS-

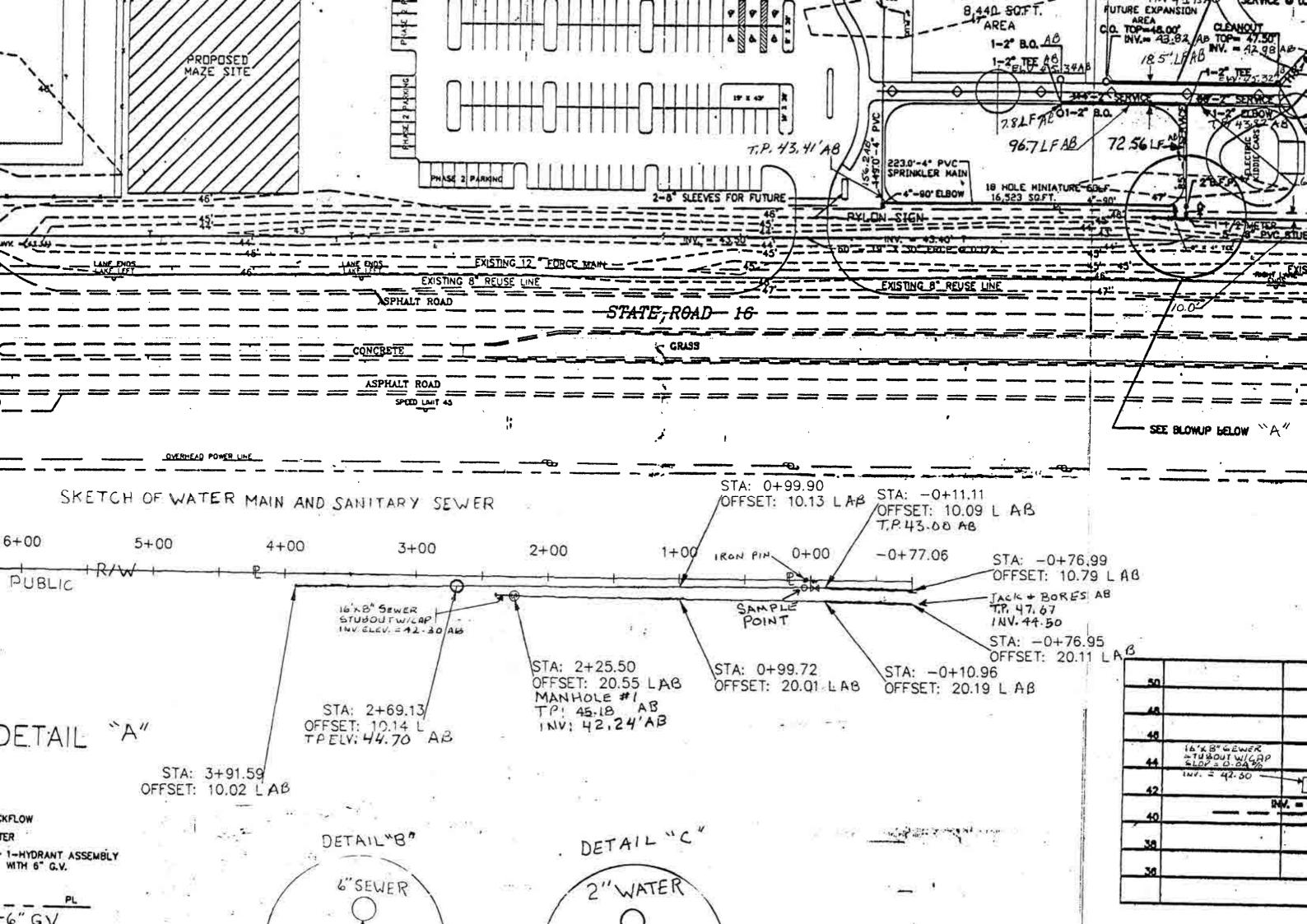
2" DIA. GAL'V. STEEL PIF AND FITTINGS (WELDED ON NEW STEEL CASING)

MECHANICAL OR MASONR SEAL REQ'D, AROUND PIP

MAIN-

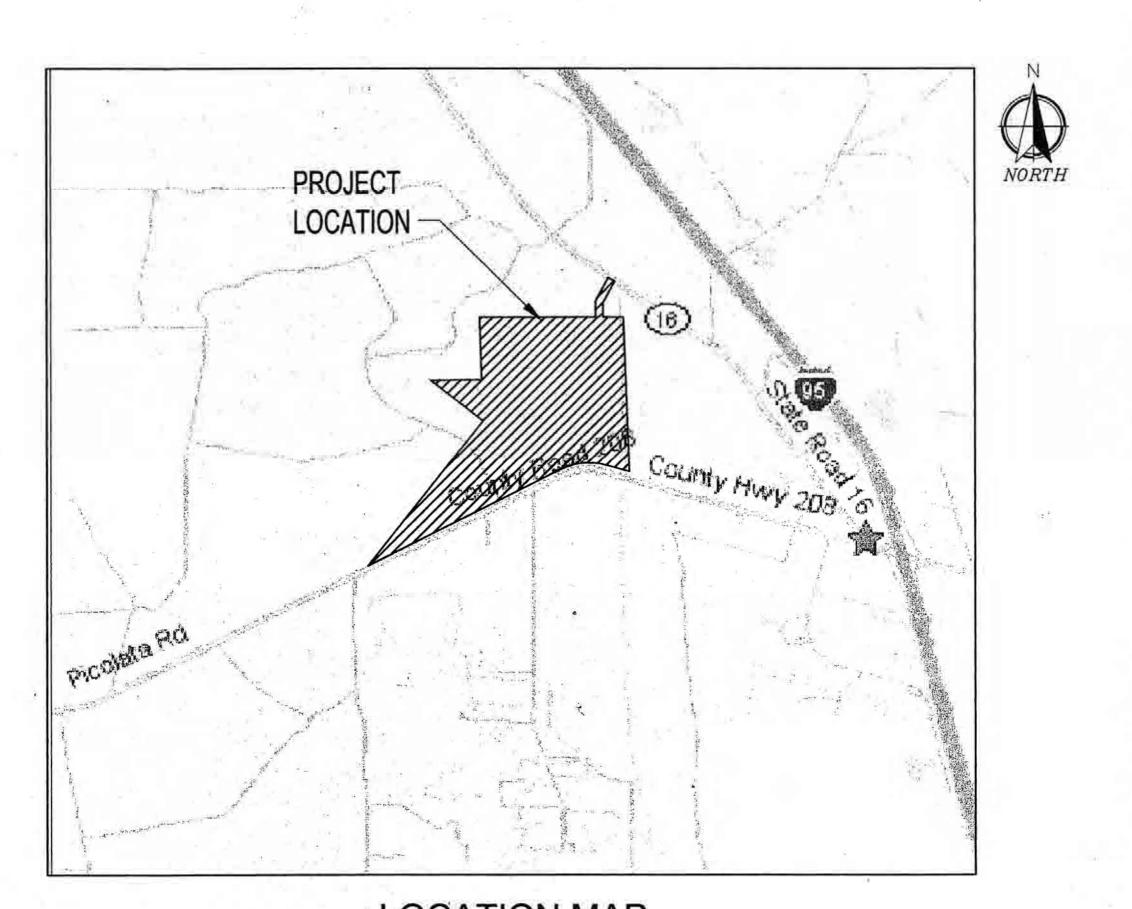
NO

1999 MWS St Johns Mini Golf **Water Sewer As Built Drawings**



2003 MWS Whisper Ridge Sub P1 **Water Sewer As Built Drawings**

SECTION 1,36 & 42, TOWNSHIP 6S&7S, RANGE 28E ST. JOHNS COUNTY, FLORIDA



C1 C3-C5 C6 C7 C8-C16 C17 C18,C19,C19 C20&C21 C22&C23 C24, C25 C28, C30 C31 C37 C38

C39

C40-C42 C43 C44&C45 C46 C47 C48

C49 C50

C51

C52 C53 C54

250 285-1929

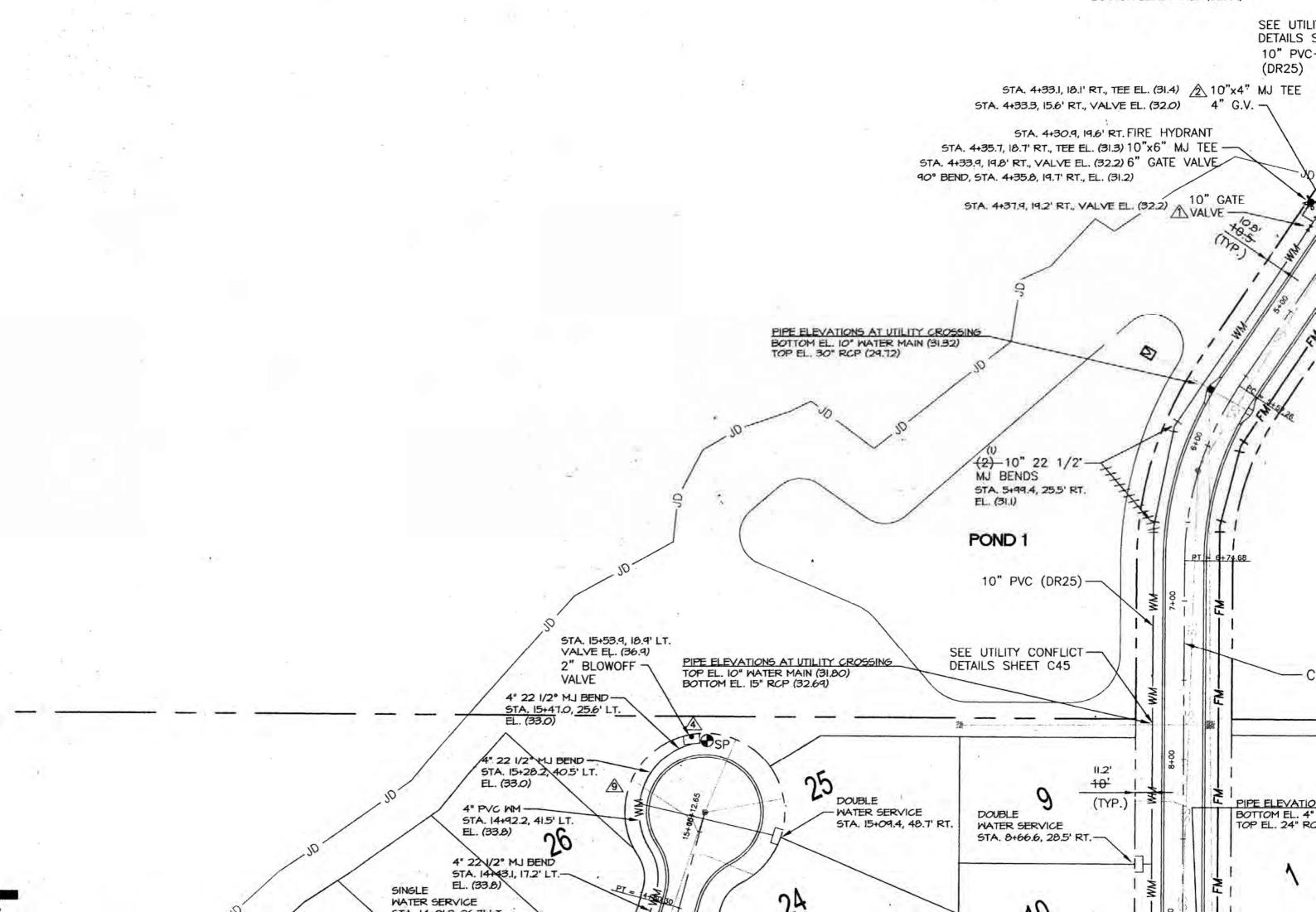
E 200

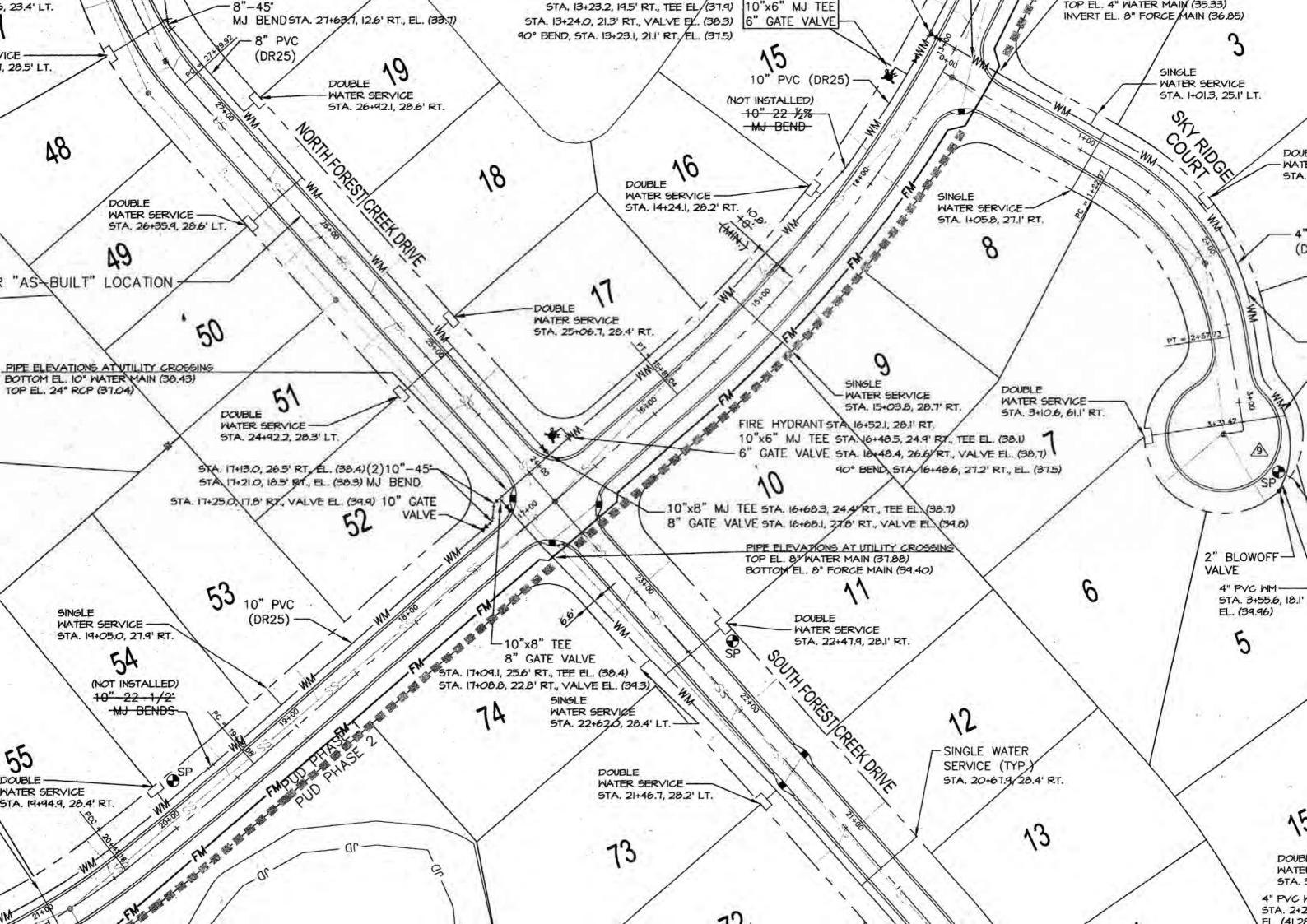
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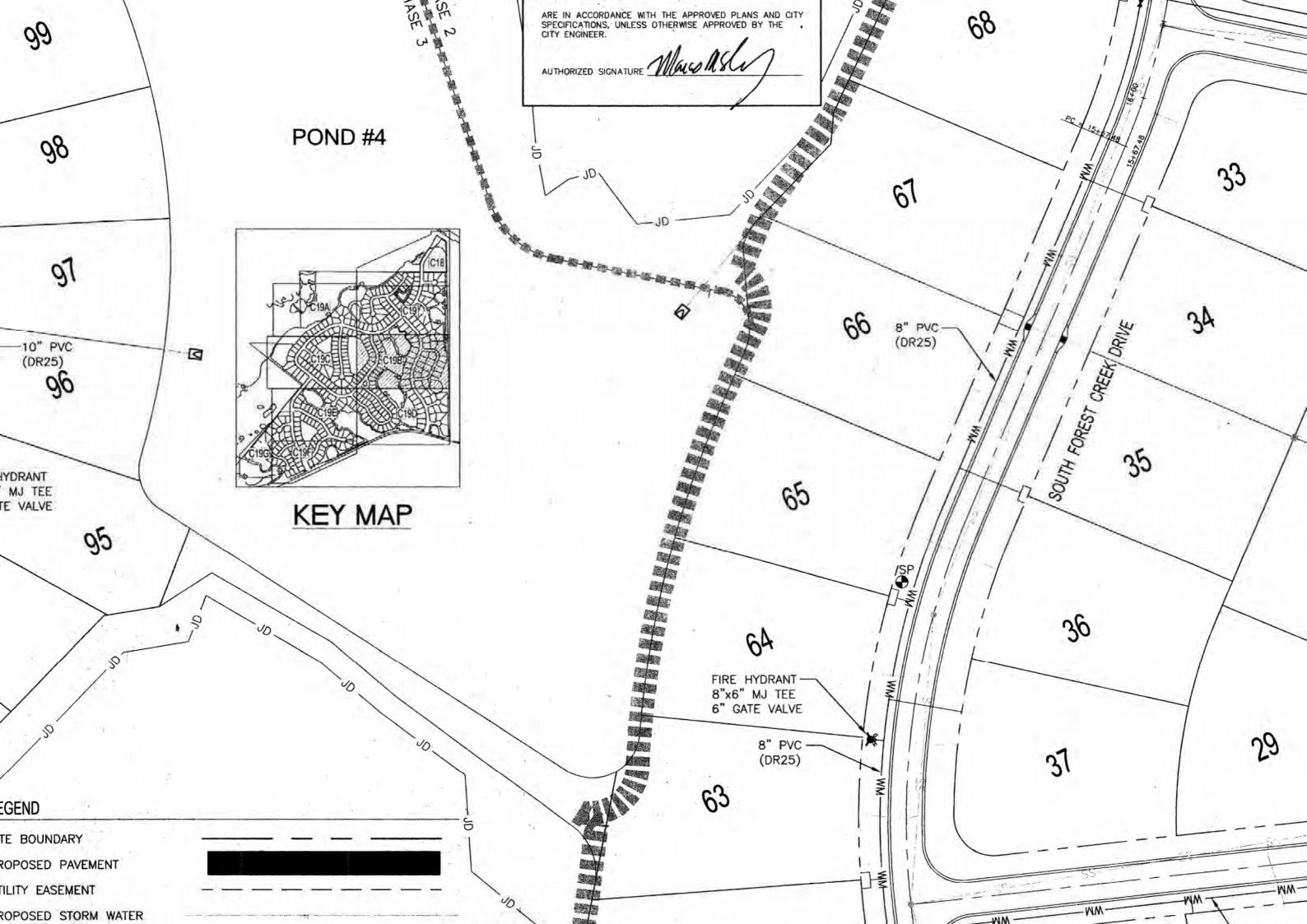
346-0087

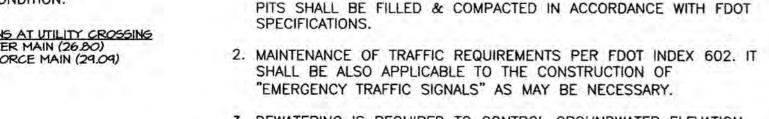
721-5758

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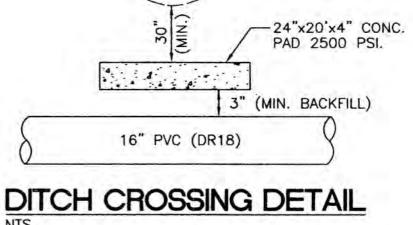


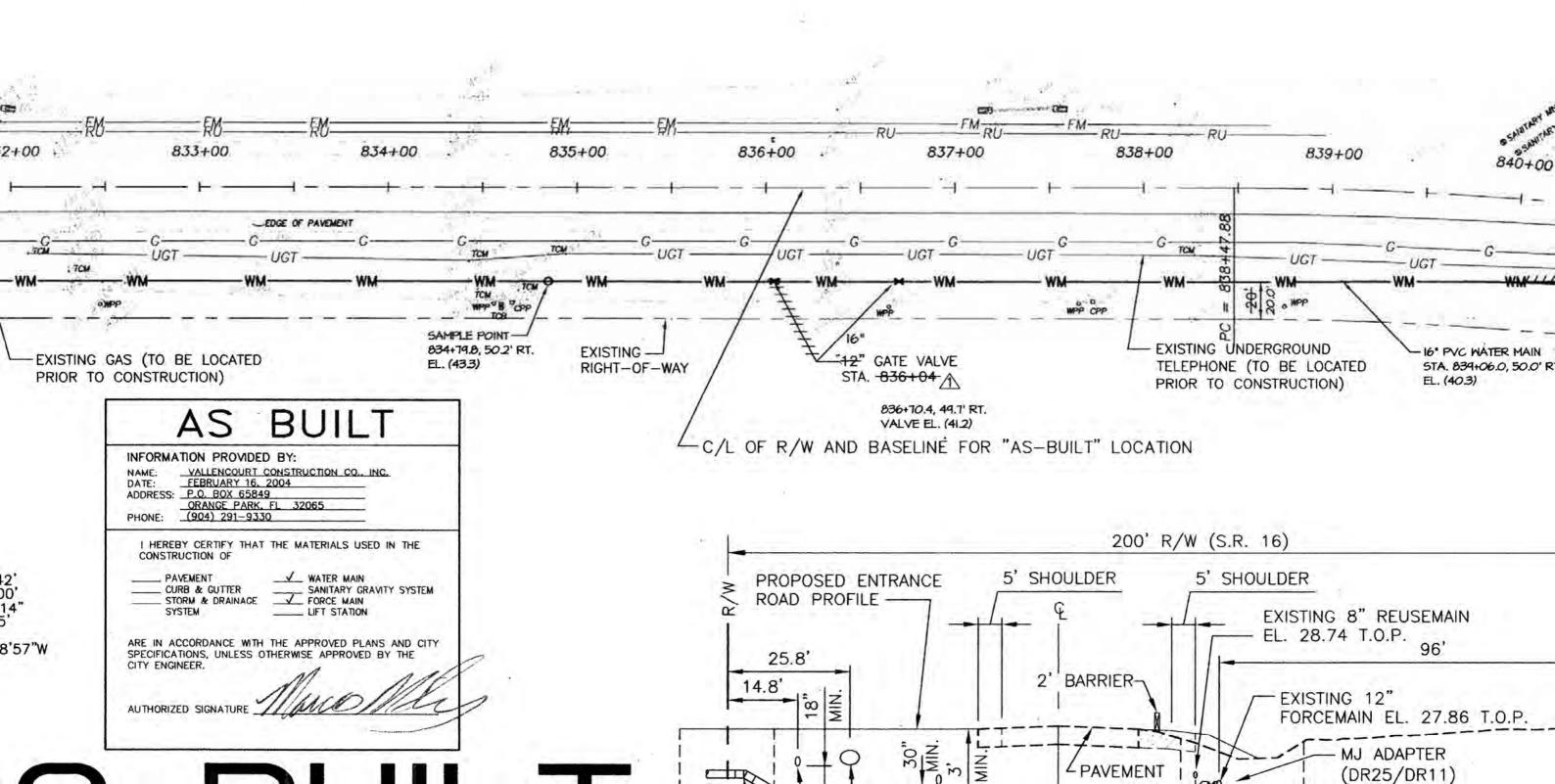


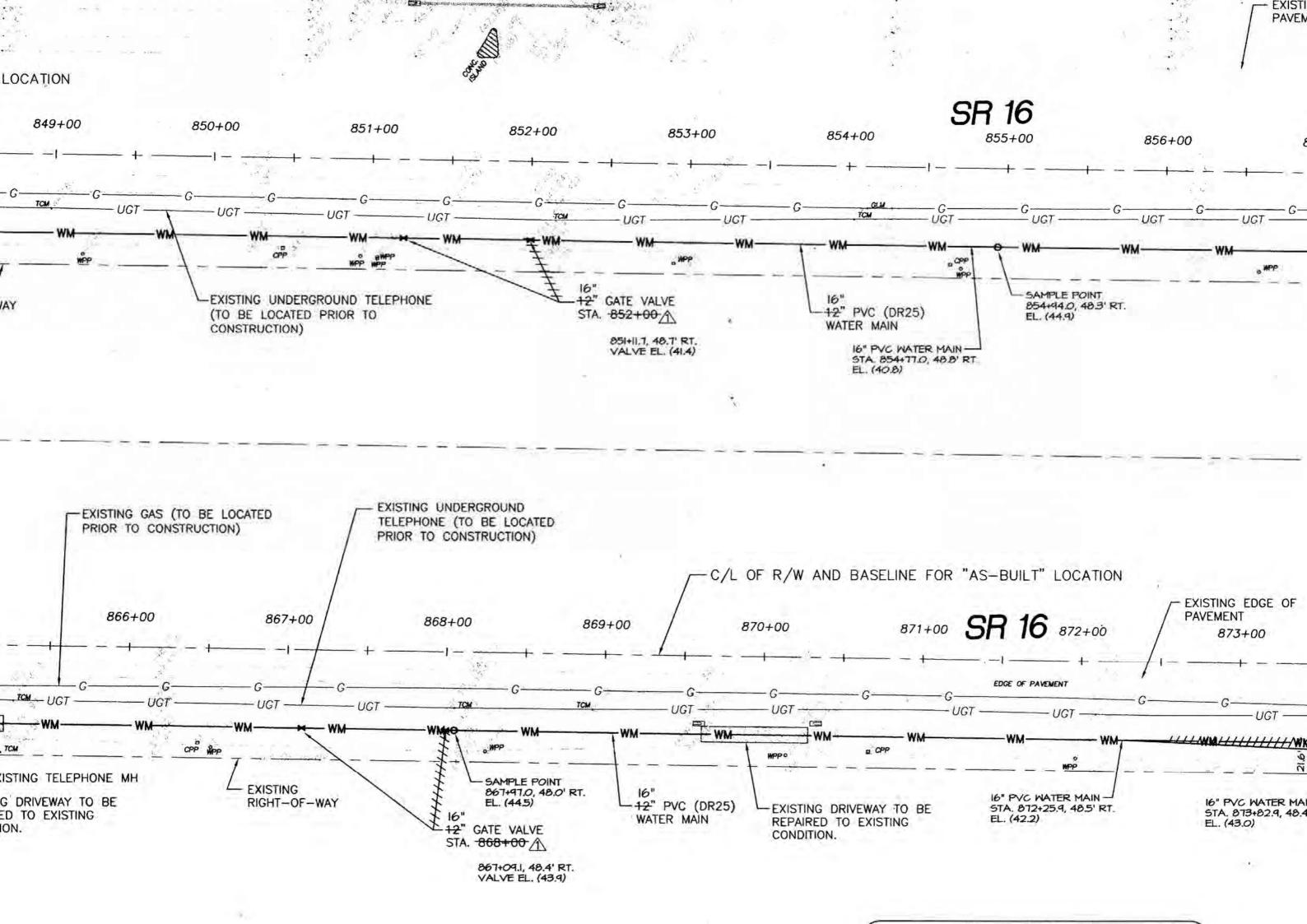


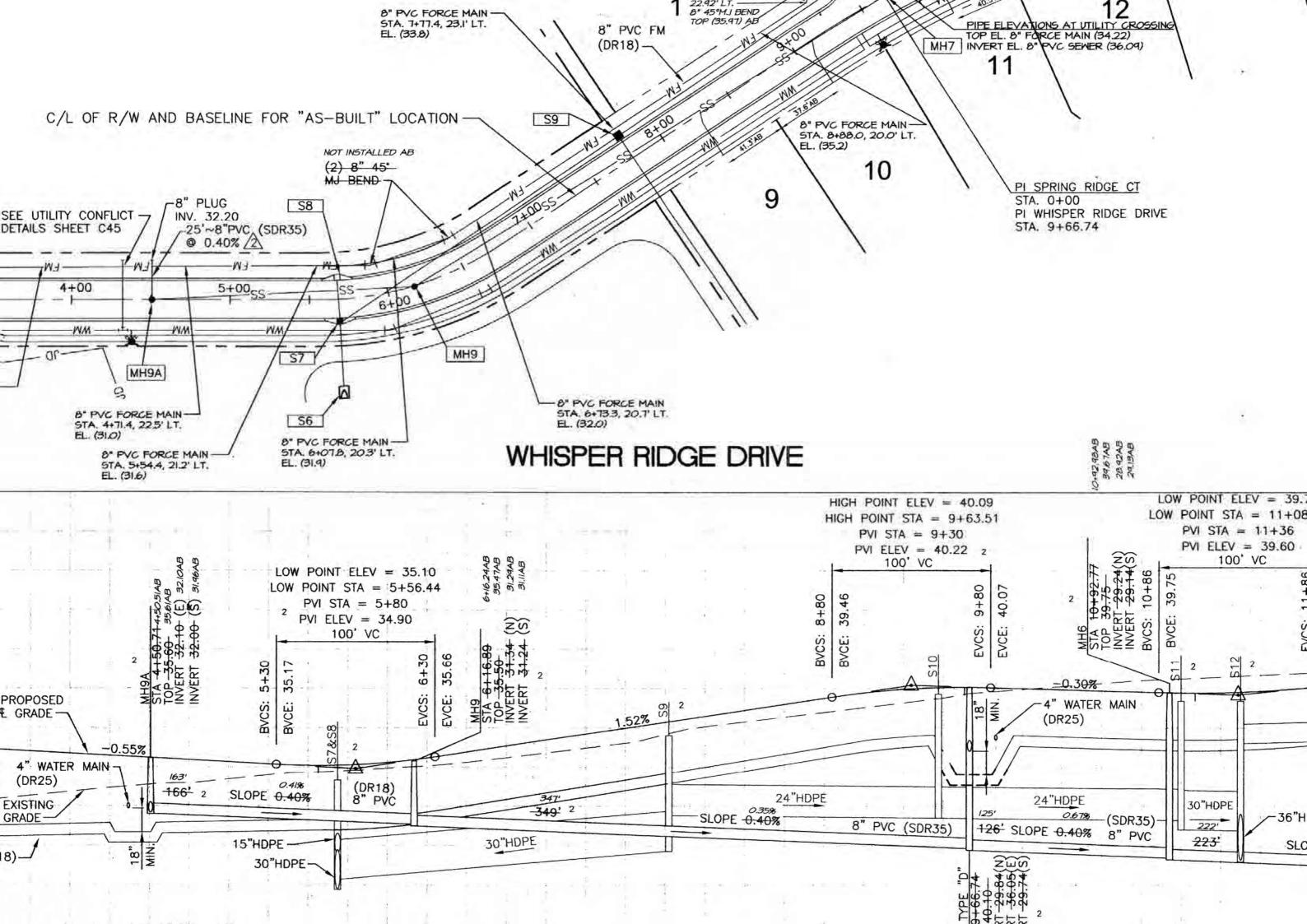


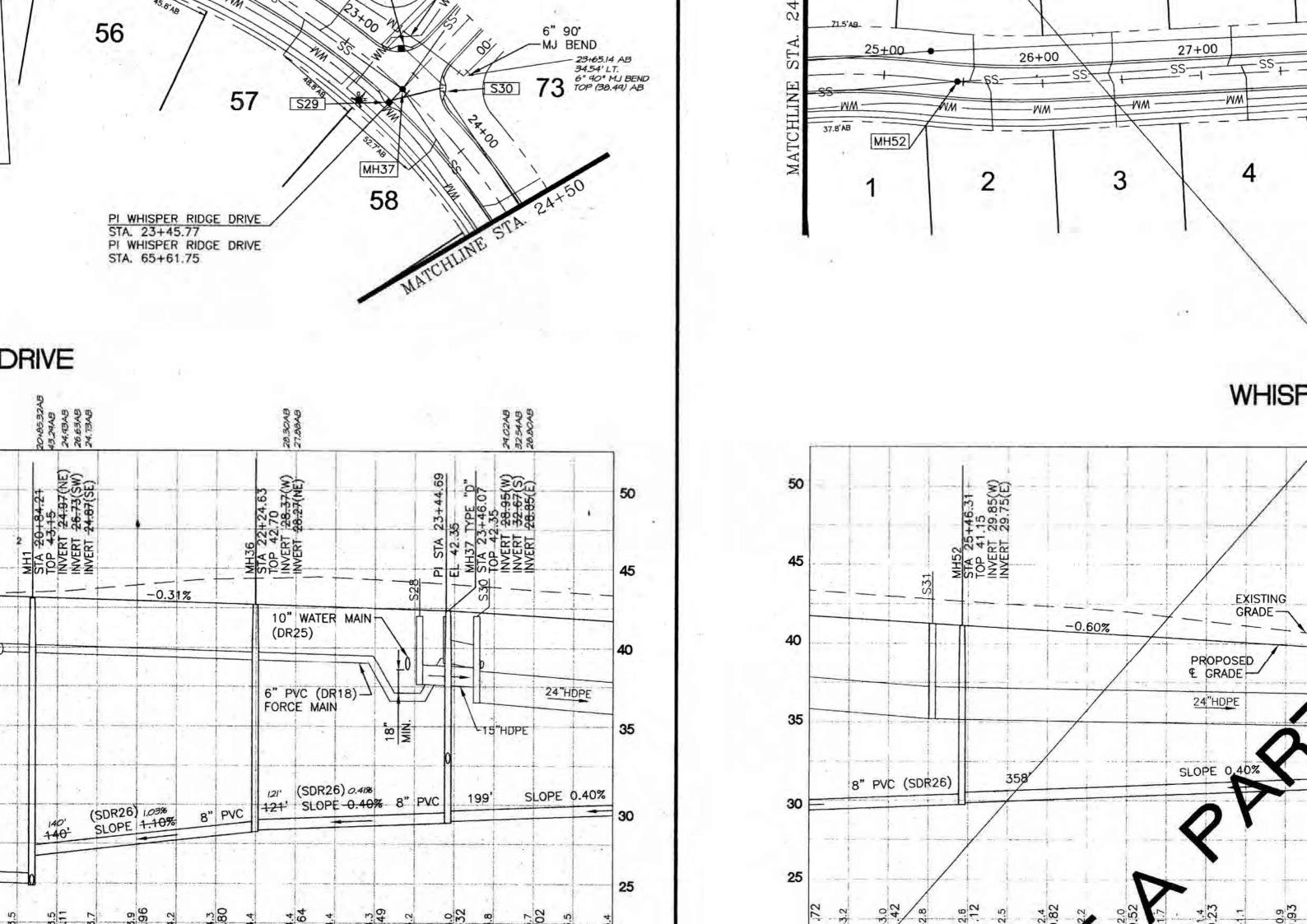
- 3. DEWATERING IS REQUIRED TO CONTROL GROUNDWATER ELEVATION AROUND THE DRILLING AND RECEIVING PITS.
- 4. UNDERGROUND UTILITY LOCATION (HORIZONTAL AND VERTICAL) SHOWN IS BASED ON THE SURVEY DATA PREPARED BY RICHARD A. MILLER AND ASSOCIATES AND SOFT DIG INFORMATION BY CLARY & ASSOCIATES, INC.





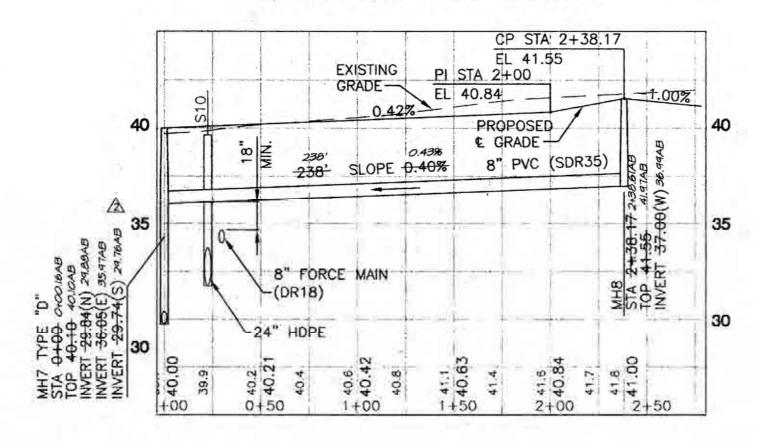


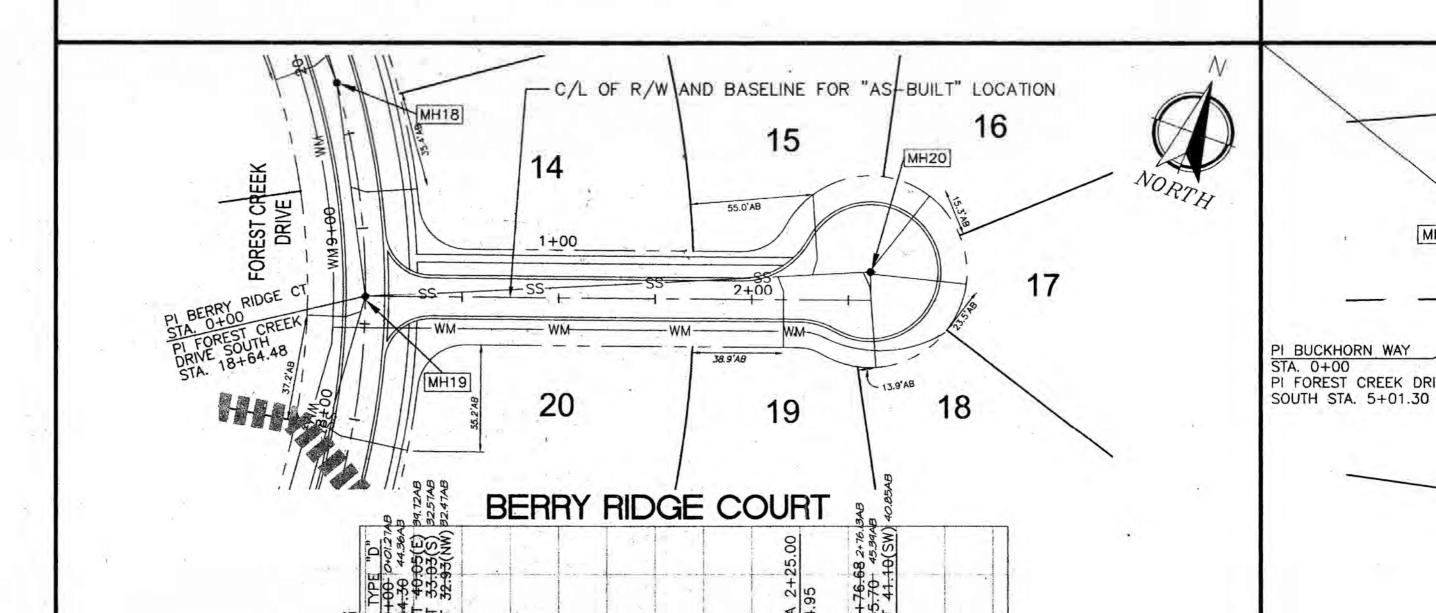


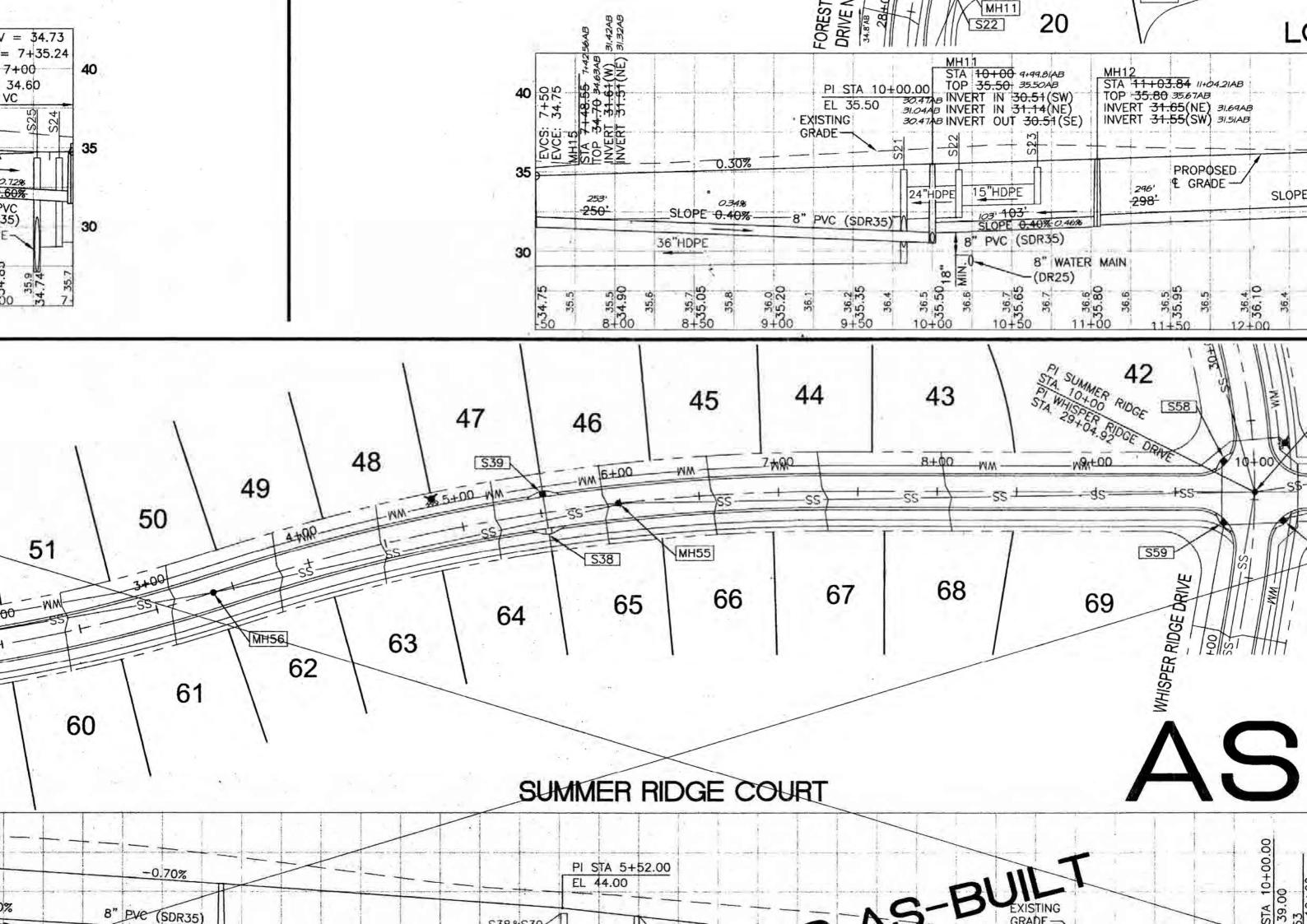


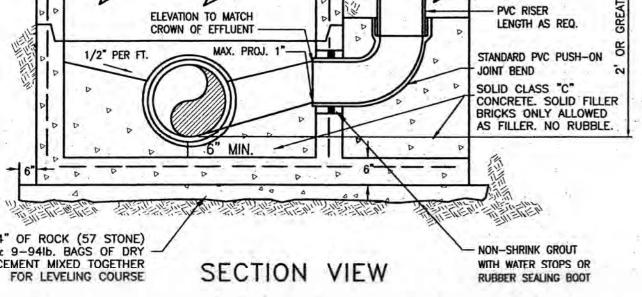
\$MH37 \$29 \$x\$5\$\$

SPRING RIDGE COURT









INTERIOR AND EXTERIOR OF MANHOLE AND ADJUSTMENT RINGS SHALL BE GIVEN TWO COATS OF MINOUS WATERPROOFING MATERIAL. DO NOT COAT JOINT OR PIPE OPENING SURFACES.
PECIALITY LINER IS TO BE INSTALLED ON INSIDE OF MANHOLE, BITUMINOUS WATERPROOFING MATERIAL BE OMITTED ON INTERIOR.

"D" MANHOLE MUST BE USED FOR 2' OR GREATER INFLUENT DROP AND FOR MULTIPLE DROPS.

CAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH LATEST EDITIONS OF ASTM C478

4000 LB. CONCRETE, TYPE II CONCRETE

MANHOLES WITH THREE (3) OR MORE INVERTS ARE REQUIRED TO BE LINED AGRU GRIP OR SPECTRA SHIELD PER S.J.C.U.D. SPECIFICATIONS.

SECTION-STANDARD EXTERIOR DROP MANHOLE (TYPE "D")

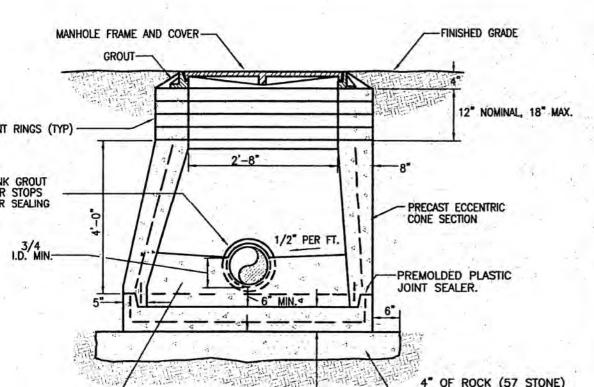
CHARLES BASSETT & ASSOCIATES, INC.

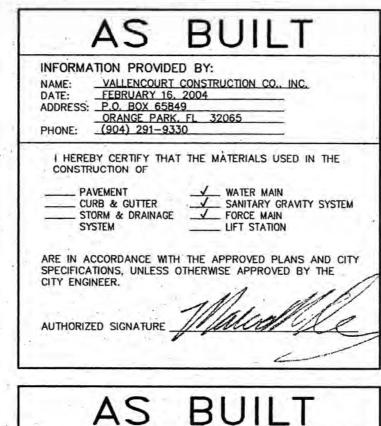
SURVEYORS - ENGINEERS - LAND PLANNERS

200 CENTURY 21 DRIVE

JACKSONVILLE, FLORIDA 32216

PHONE (904) 724-9433



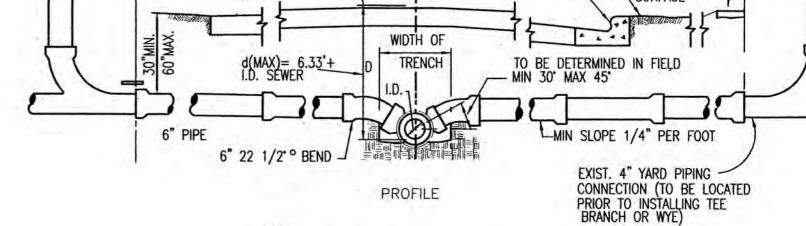


CHARLES BASSETT & ASSOCIATES, INC.

INFORMATION PROVIDED BY:

ADDRESS: 200 CENTURY 21 DRIVE

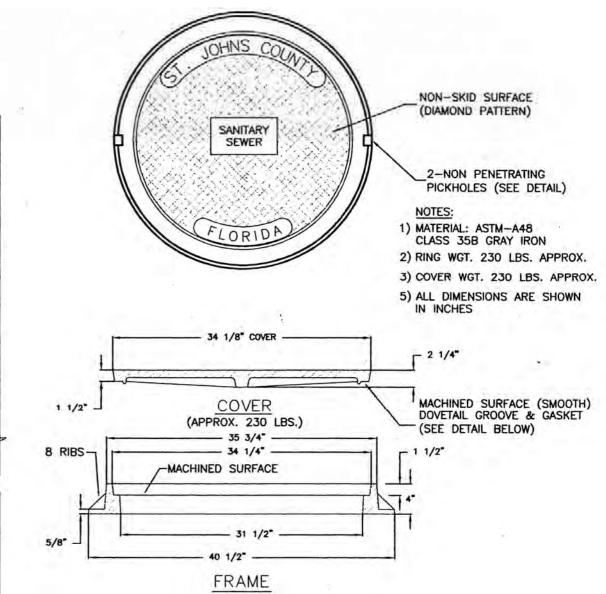
FEBRUARY 16, 2004

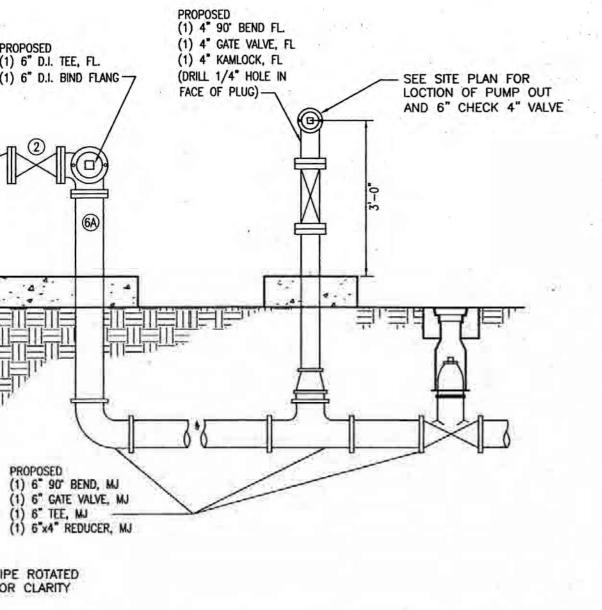


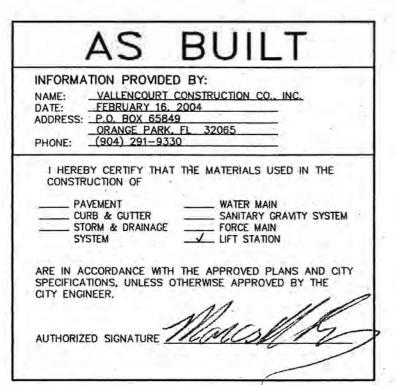
NOTE:

- 1) CLEAN OUTS SHALL BE INSTALLD BY THE UTILITY CONTRACTOR IN ACCORDANCE WITH STANDARD PLUMBING CODE.
- 2) LOCATE SINGLE LATERAL IN THE CENTER OF PROPERTY LOT LINE .
- invert of service lateral shall not enter sewer main below spring line.
- 4) DOUBLE WYE SHALL NOT BE USED FOR St. JOHNS COUNTY UTILIY DEPARTMENT OWNED OR OPERATED SYSTEMS.

SERVICE LATERAL







BUILT

INFORMATION PROVIDED BY:

CHARLES BASSETT & ASSOCIATES, INC. FEBRUARY 16, 2004 DATE:

WETWELL SPECIFICATIONS

THE INTERIOR OF THE WET WELL SHALL BE COATED WITH SPECTRASHIELD. THE SURFACE OF THE EXISTING WET WELL SHALL FIRST BE PREPARED BY GROUTING THE WELL AS REQUIRED TO OBTAIN A SMOOTH SURFACE.

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MECHANICAL EQUIPMENT SCHEDULE

- 1. __6" CHECK VALVE, MUELLER OR MACH SWING-TYPE, LEVER & SPRING OPERATED, IRON BODY, BRONZE MOUNTED
- 2. 6" PLUG VALVE, DEZURIK, CAST IRON BODY, LEVER ACTUATED
- 2A PRESSURE SENSOR, RED VALVE, SERIES 40, STAINLESS STEEL 304 BODY FLANGES & VITON SENSING SLEEVE
- 3. 5" STAINLESS STEEL 316L TEE
- 4 6" STAINLESS STEEL SHORT RADIUS 90" BEND
- 5. 6" STAINLESS STEEL 45" BEND
- 6. _ 6" STAINLESS STEEL PIPE
- 6A 6" DUCTILE IRON PIPE
- 7. 6 STAINLESS STEEL PUMP BASE
- 8. 8" INFLUENT PIPE, SDR-18 PVC
- 9. 6' DIAMETER PRECAST CONCRETE WETWELL, MINIMUM WALL THICKNESS 7" (ASTM C-478)
- FLYGT PUMP MODEL NO. C-3152, IMPELLER NO. 454, HP 20, 1750 RPM. 3 PHASE, 230 VOLTS (AS APPROVED BY ST.JOHNS COUNTY UTILITY DEPT.
- ALUMINUM WETWELL ACCESS COVER WITH A ___ DIMENSION AND RECESSED LOCK. MODEL NO. _____ (H-20 LOADING)
- 12. STAINLESS STEEL GUIDE RAILS
- LEVEL TRANSDUCER PROVIDED BY PUMP MANUFACTURE
- 14. PUMP MOTOR CABLE
- 15. 4" SCHEDULE 80 PVC AIR VENT WITH PROTECTIVE SCREEN
- STAINLESS STEEL CABLE HOLDER
- (2) EMERGENCY HIGH LEVEL LIQUID LEVEL SENSORS (ROTO FLOATS TYPE S NO. SPST 120V AC 125 V.A. DIRECT ACTING SUSPENDED)
- 18. 12" BOTTOM SLAB OVER HANG
- 19. 12" BOTTOM SLAB THICKNESS

BYPASS LINE:

- 20. 4" 90" BEND STAINLESS STEEL
- 21. 4" 45' BEND STAINLESS STEEL
- 22. 4" SCHEDULE 80 STAINLESS STEEL PIPE, LENGTH VARIES.

STATION 2 MECHANICAL EQUIPMENT SC

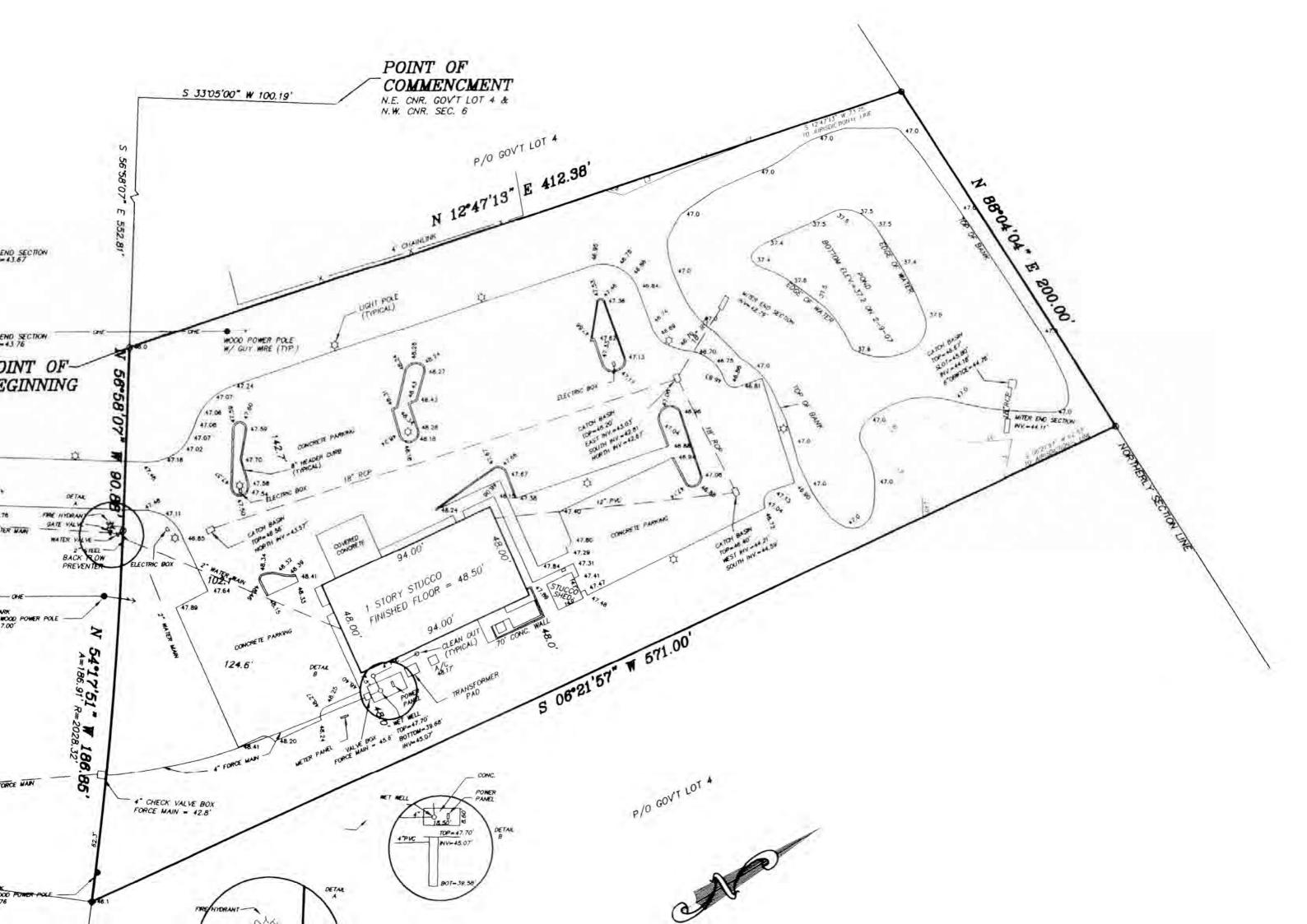
- 6" CHECK VALVE, MUELLER OR MACH SWING-TYPE OPERATED, IRON BODY, BRONZE MOUNTED
- 2. 6" PLUG VALVE, DEZURIK, CAST IRON BODY, LEVI
- 2A. PRESSURE SENSOR, RED VALVE, SERIES 40, STAINLES FLANGES & VITON SENSING SLEEVE
- 3. 6 STAINLESS STEEL 316L TEE
- 4. 6" STAINLESS STEEL SHORT RADIUS 90" BEND
- 5. 6" STAINLESS STEEL 45" BEND
- 6. 6 STAINLESS STEEL PIPE
- 6A 6" DUCTILE IRON PIPE
- 7. 6" STAINLESS STEEL PUMP BASE
- 8. 8" INFLUENT PIPE, SDR-18 PVC
- 9. 6 DIAMETER PRECAST CONCRETE WETWELL, MININ
- FLYGT PUMP MODEL NO. C-3152, IMPELLER NO. (AS APPROVED BY ST.JOHNS COUNTY UTILITY DEPT
- ALUMINUM WETWELL ACCESS COVER WITH A DIMENSION AND RECESSED LOCK, MODEL NO.
- 12. STAINLESS STEEL GUIDE RAILS
- LEVEL TRANSDUCER PROVIDED BY PUMP MANUFACT
- PUMP MOTOR CABLE
- 15. 4" SCHEDULE 80 PVC AIR VENT WITH PROTECTIVE
- STAINLESS STEEL CABLE HOLDER
- (2) EMERGENCY HIGH LEVEL LIQUID LEVEL SENSOI NO. SPST 120V AC 125 V.A. DIRECT ACTING SUSP
- 18. 12" BOTTOM SLAB OVER HANG
- 19. 12" BOTTOM SLAB THICKNESS

BYPASS LINE:

- 20. 4" 90" BEND STAINLESS STEEL
- 21. 4" 45' BEND STAINLESS STEEL
- 22. 4" SCHEDULE 80 STAINLESS STEEL P

2005 MWS Jehovahs Witness State Road 16 Water-Sewer As Built Drawings

AS-BUILT SURVEY FOR NORTH CONGREGATION OF JEHOVAH'S WITNESS



2006 MWS Calvary Baptist Church Water-Sewer As Built Drawings

CONTRACTOR'S FAILURE TO HALL BE REPAIRED AT THE

SERVICE INTERRUPTIONS AT R IN WHICH THIS IS THE DISCRETION OF THE DUIREMENTS OF THE CONTRACT E SERVICE SHALL BE LEFT WORK DAY.

N AND PROFILES ARE FROM OR ALONG THE CENTER LINE OF

NO LESS THAN A 6 INCH OTHER THAN WATER MAINS WHICH ARTMENT PERMIT CONDITIONS.

WINGS REFER TO THE CENTERLINE INDICATED.

LOWED BY EXCEPTION, SHALL NOT

COMMENDED BY THE TYPE OF JOINT.

LAND SURVEYOR, REGISTERED IN ENCE AND RESTORE PROPERTY MAY BE DISTURBED BY OCATIONS ARE AVAILABLE FROM NG DIVISION.

TATION AND RAILROAD IN ADVANCE OF CONSTRUCTION CONDITIONS.

PLICABLE UTILITY CONTACT WEEK PRIOR TO CONSTRUCTION OF FAS

ALL DITCHES, SWALES, CULVERTS, ITS AND ANY OTHER DRAINAGE BY THE CONSTRUCTION TEMS SHALL BE INCLUDED IN THE ISTALLING ANY NEW ITEM CAUSING

WATER SERVICE LINES MAY NOT HE LOCATION OF PROPOSED NEW IN THE FIELD. COUNTY UTILITY DEPT. STANDARD SPECIFICATIONS & DETAILS AND ANY OTHER STANDARDS, LISTED OR REFERENCED, ARE INCLUDED IN THE PROJECT DOCUMENTS.

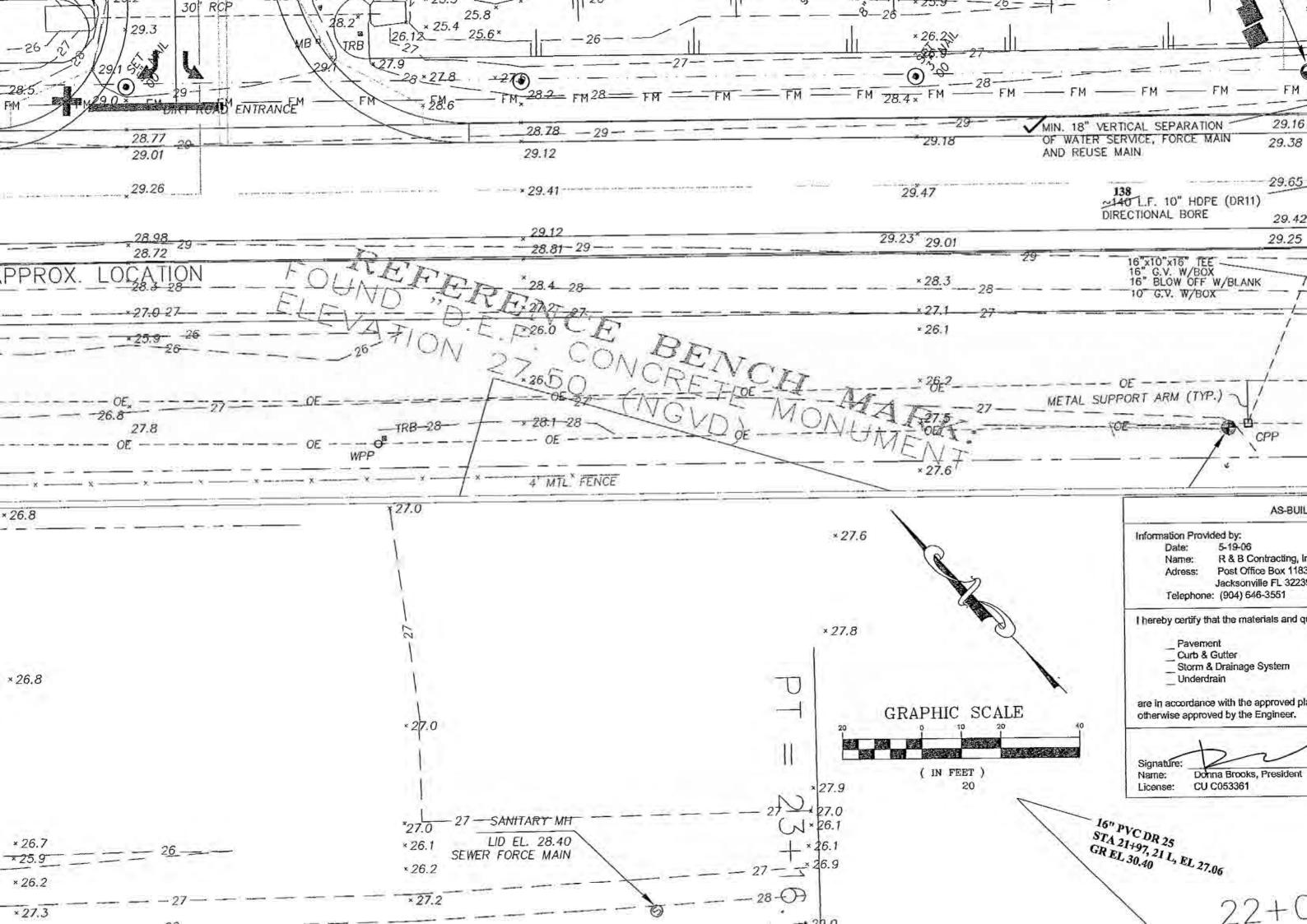
- TREE PROTECTION SHALL BE IN ACCORDANCE WITH ST JOHNS
 COUNTY ORDINANCE CODE AND/OR AS DETAILED ON SPECIFIC PLAN
 SHEETS.
- INSTALL BLUE ROAD REFLECTORS IN THE CENTER OF THE ROADS/DRIVEWAYS IN FRONT OF FIRE HYDDRANTS ACCORDING TO ST JOHNS COUNTY FIRE SERVICES STANDARD.
- 16. FIRE LANES SHALL BE MARKED WITH FREESTANDING SIGNS WITH THE WORDING "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT." SUCH SIGNS SHALL BE 12 INCHES BY 18 INCHES WITH WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF 7 FEET IN HEIGHT FROM THE ROADWAY TO THE BOTTOM PART OF THE SIGN. THE SIGNS SHALL BE WITHIN SIGHT OF THE TRAFFIC FLOW AND BE A MAXIMUM OF 60 FEET APART.
- NO OPEN CUTTING OF ANY RIGHT OF WAY PAVEMENT PERMITTED;
 BORE AND JACK, OR DIRECTIONAL BORE UNDER PAVEMENT.
- 18. A SEPARATE FIRE MARSHALL'S PERMIT IS REQUIRED FOR ANY UNDERGROUND WATER MAIN THAT SUPPLIES FIRE PROTECTION SYSTEMS. THIS REQUIREMENT DOES NOT APPLY TO THOSE PORTIONS OF WATER MAINS THAT SUPPLY BOTH DOMESTIC AND FIRE PROTECTION SYSTEMS.
- 19. CONTRACTORS INSTALLING THE UNDERGROUND PIPING SUPPLYING A FIRE PROTECTION SYSTEM MAY BE REQUIRED TO HAVE A CLASS I, II, OR V FIRE PROTECTION CONTRACTORS LICENSE PURSUANT TO CHAPTER 633. FLORIDA STATUTES. GENERAL CONTRACTORS ARE RESPONSIBLE FOR VERIFYING THAT THEIR SUBCONTRACTORS HOLD THE REQUIRED LICENSES. CONTRACTORS FOUND TO BE VIOLATING THIS REQUIREMENT MAY BE REPORTED TO THE DEPT. OF BUSINESS AND PROFESSIONAL REGULATION AND/OR THE STATE FIRE MARSHALL'S REGULATORY LICENSING SECTION.
- SEED OR SOD, THEN MULCH DISTURBED RIGHT-OF-WAY UNTIL VEGETATION IS RESTABLISHED PER FDOT STANDARDS.
- 21. THE STANDARD SWALE DESIGN WATER LEVEL IS 1' BELOW THE SWALE'S TOP OF BANK. THE TOP OF BANK ELEVATION IS APPROXIMATELY 32.0 AT THE TIE-IN POINT AND 27.0 AT THE END POINT OF THE WATER MAIN EXTENSION.

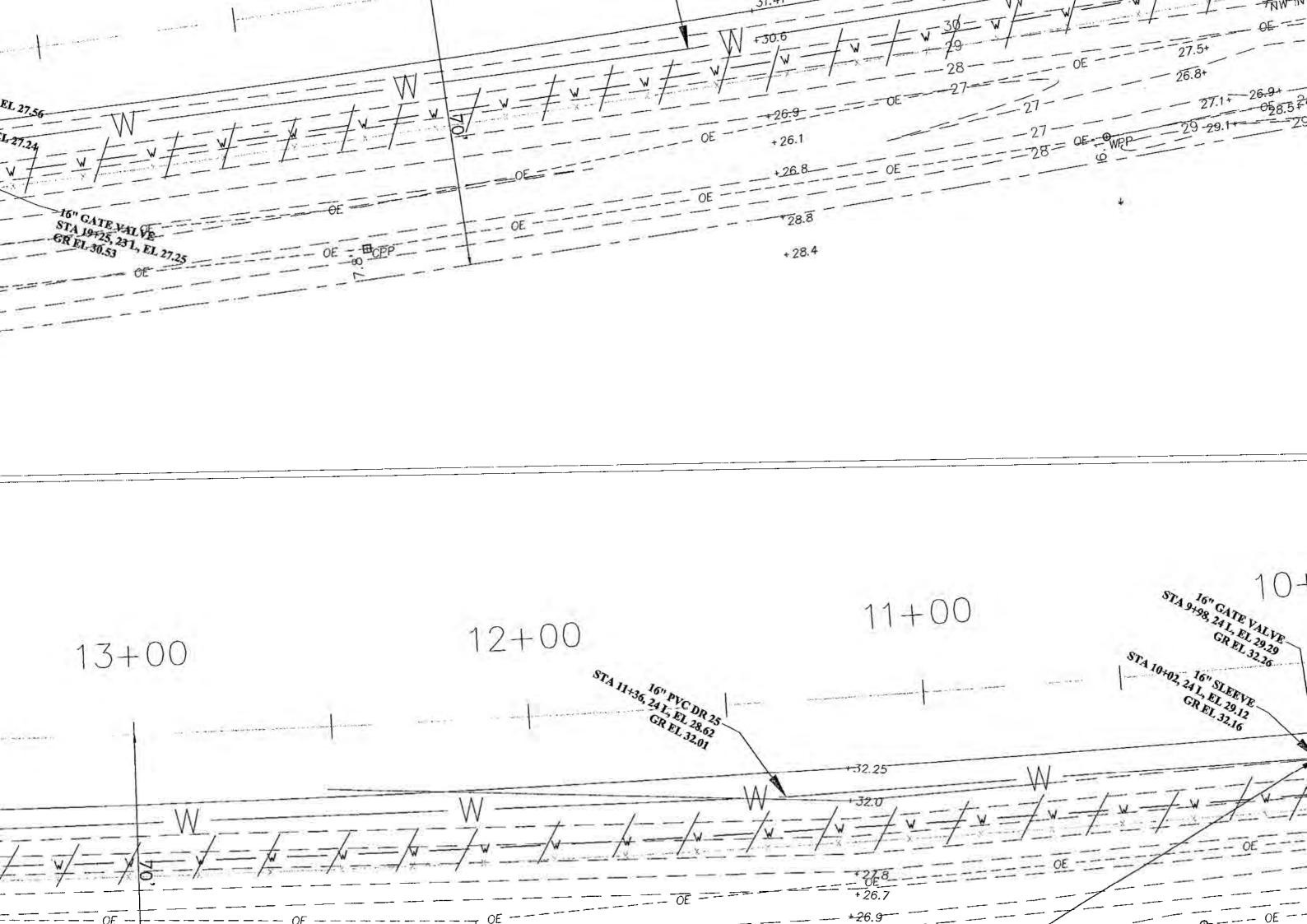
22. FOR THE CALVARY BAPTIST CHURCH WATER MAIN EXTENSION PROJECT, POSITION 16" GATE VALVE STEMS HORIZONTAL, FACING RIGHT-OF-WAY LINE (AWAY FROM PAVEMENT). ADD 2:1 GEAR RATIO VERTICAL VALVE HANDLE W/BOX PER AWWA C500-93. END RESULT: TOP OF VALVE BOX IS FLUSH WITH NATURAL GRADE.

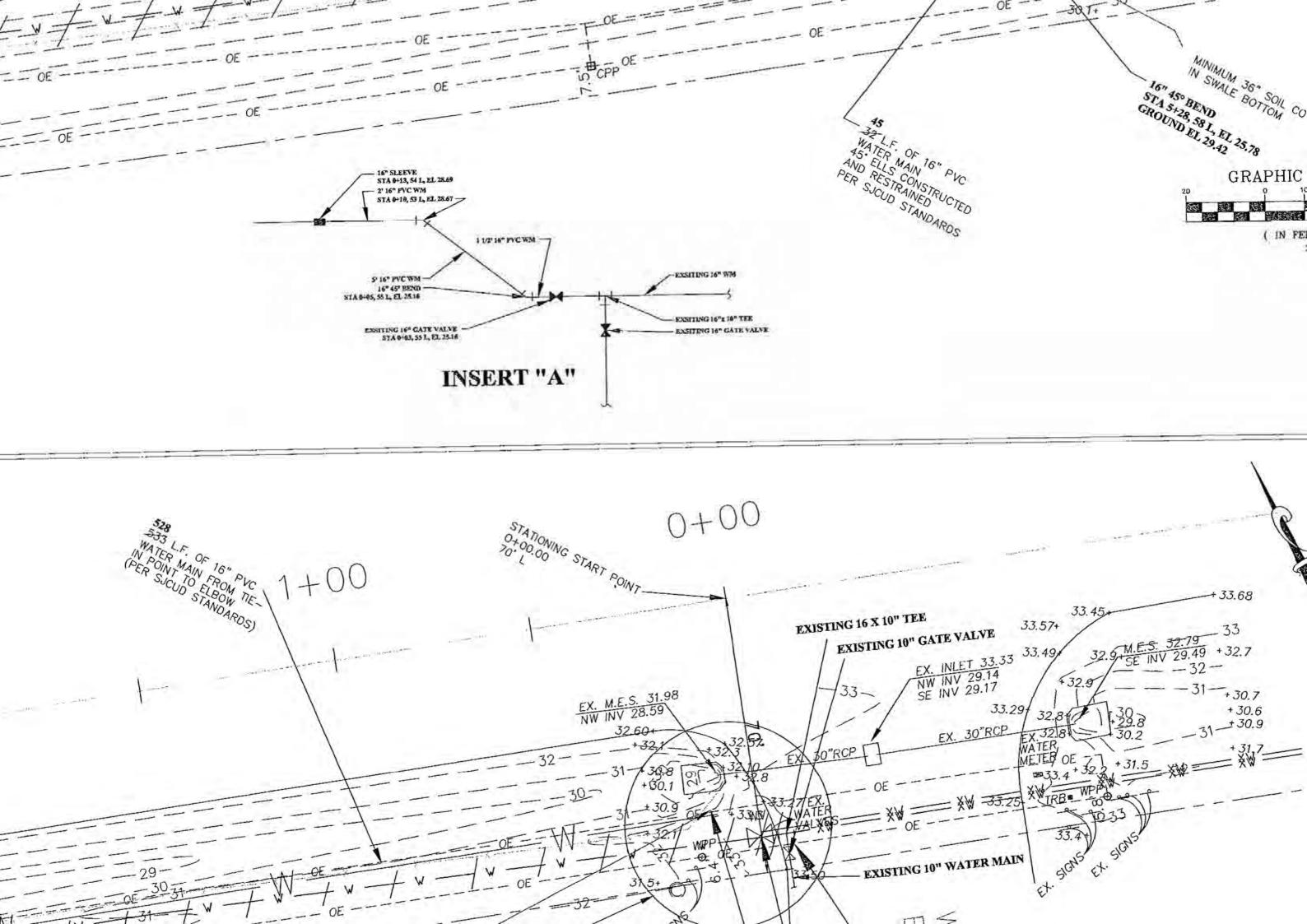
TILW A SHEET 3

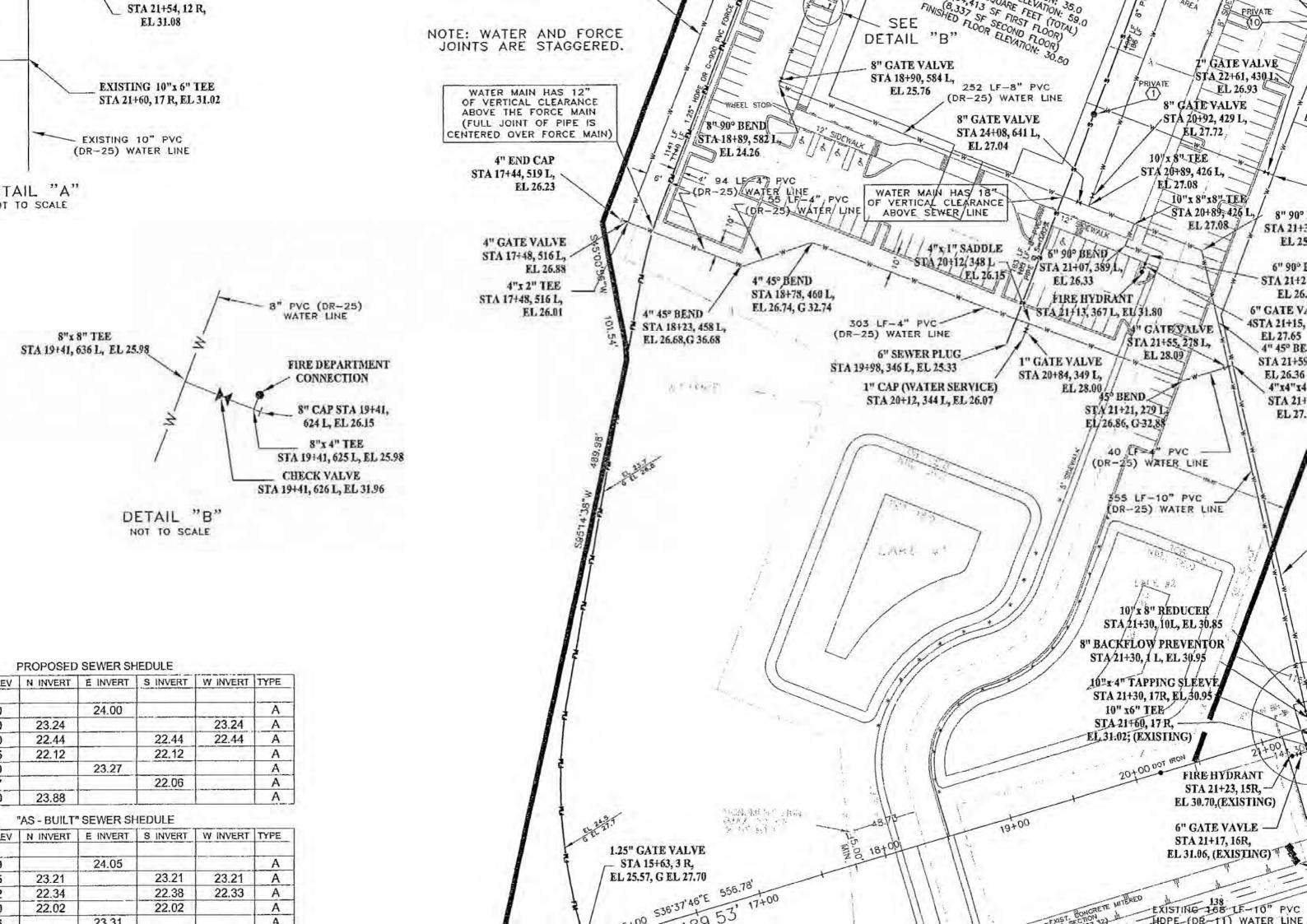
VIEW 3 SHEET?

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ANSI/IEEE Std.
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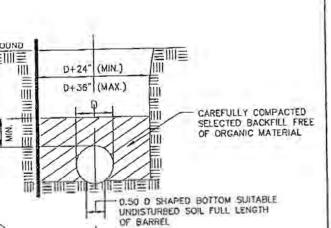
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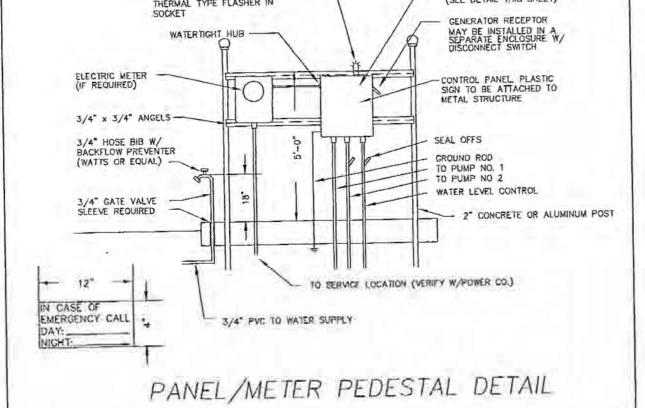
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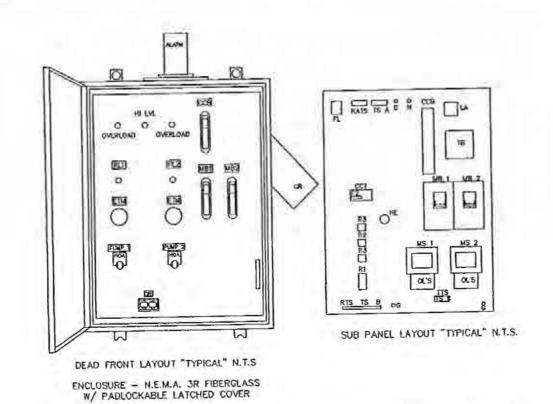
h a 30 degree panel er shall be supplied urer – Russell Stoll a disconnect and used in lieu of the

ne pump wet well base,
on to the requirements of
ion for Precast Reinforced
Cement shall meet the
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ed at 4,000 P.S.I. Minimum.
be 1/12 the inside diameter

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The base section shall be
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se, the section shall be
set of the concrete leveling

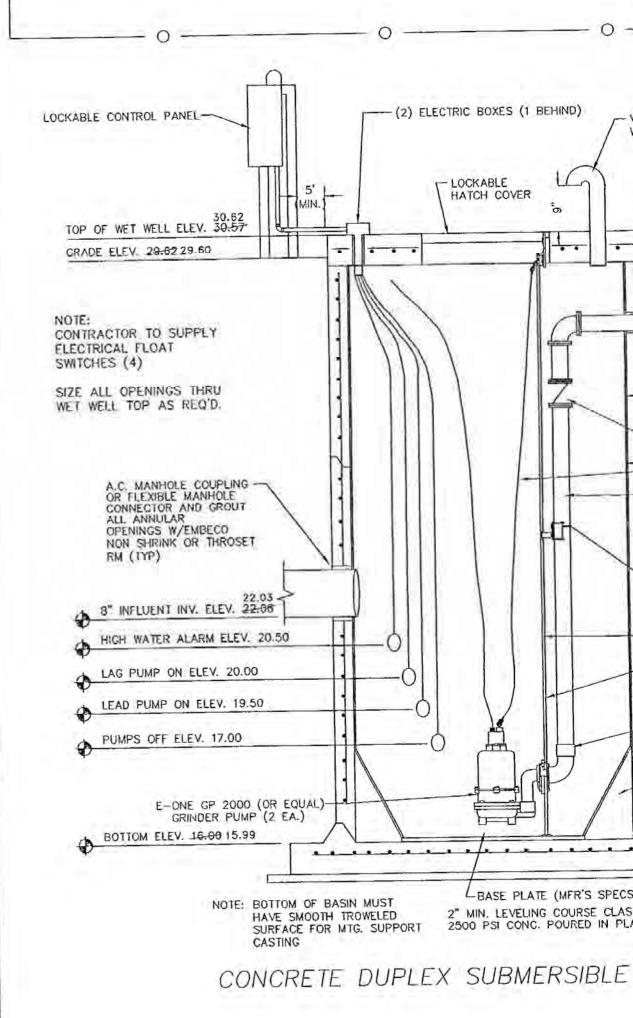




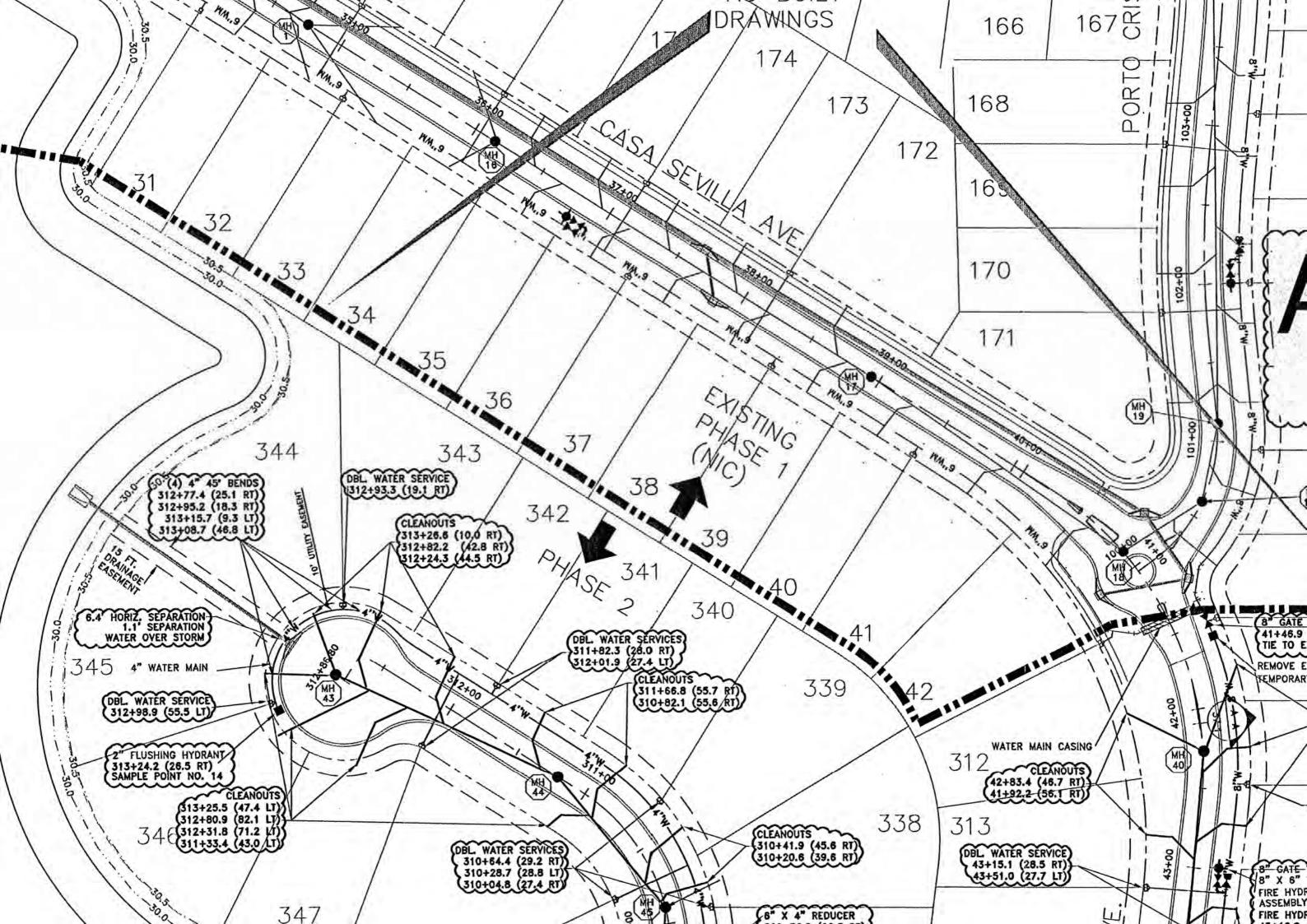


SINGLE PHASE MODULE CONTROL CIRCUIT BREAKER PUMP TERMINAL STRIP DUPLEX RECEPTACLE BREAKER DRB MAIN CIRCUIT BREAKER MOTOR BREAKER MB GENERATOR RECEPTACLE MS MOTOR STARTER ELAPSED TIME METER FTM PUMP RUN INDICATORS RL PL ALARM BELL LEVEL INDICATORS ALARM BELL SILENCER OVERLOAD HEATERS ASB LICHTNING ARRESTOR HAND-OFF-AUTOMATIC SELECTOR HOA SINGLE PHASE MODULE DUPLEX RECEPTACLE START CAPACITOR (10) NEUT NEUTRAL RUN CAPACITOR (10) PUMP AUTOMATIC ALTERNATOR PAA START RELAY ALTERNATOR TEST SWITCH ATS STARTER TERMINAL PUMP TERMINAL STRIP CONTROL TRANSFORMER CT DISCHARGE RESISTOR GRD GROUND EMERGENCY CIRCUIT BREAKER FUSE VOLTAGE MONITOR REGULATOR TERMINAL STRIP RTS SURGE CAPACITOR FLOAT REGULATOR

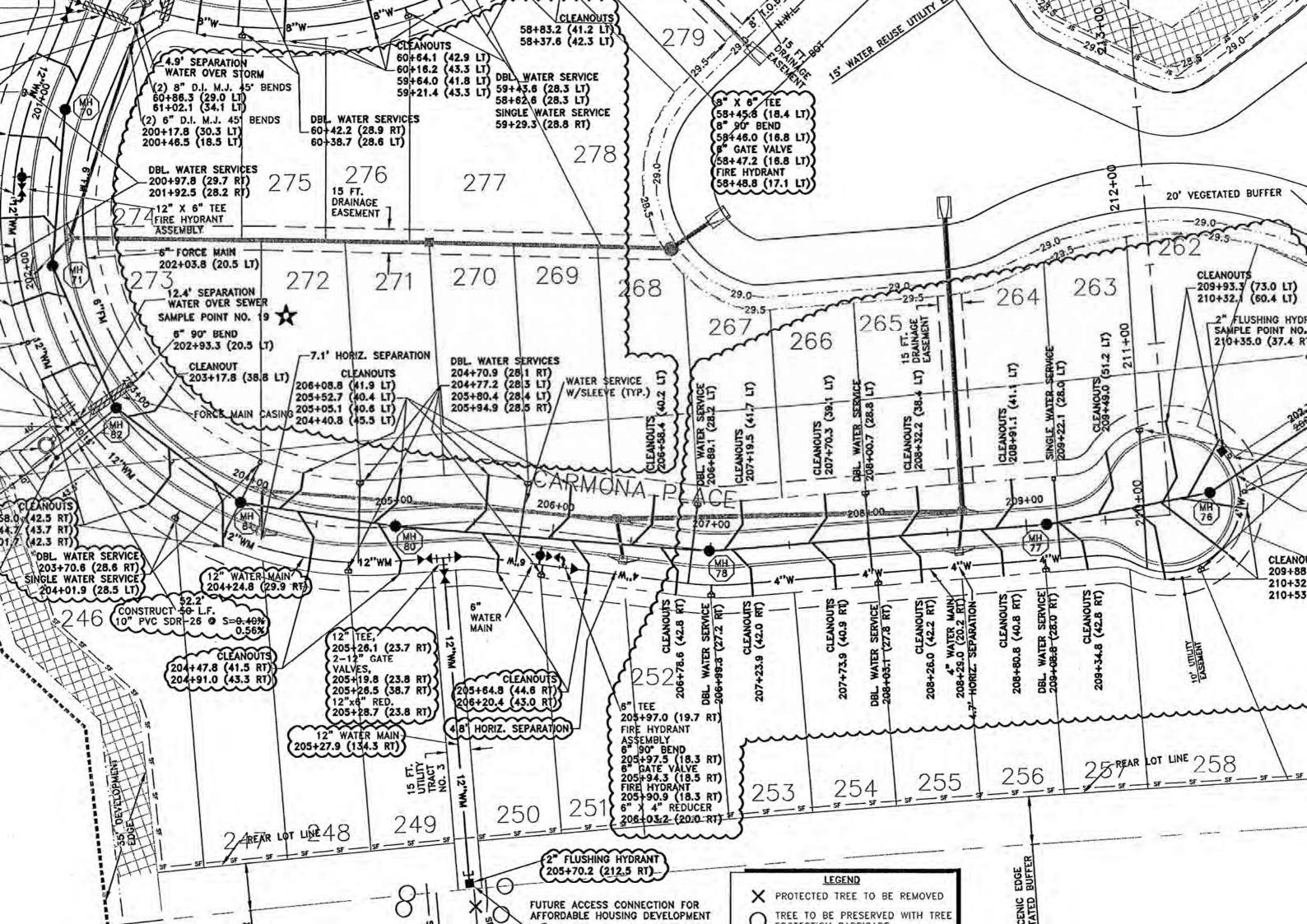
DUPLEX PUMP CONTROL PANEL

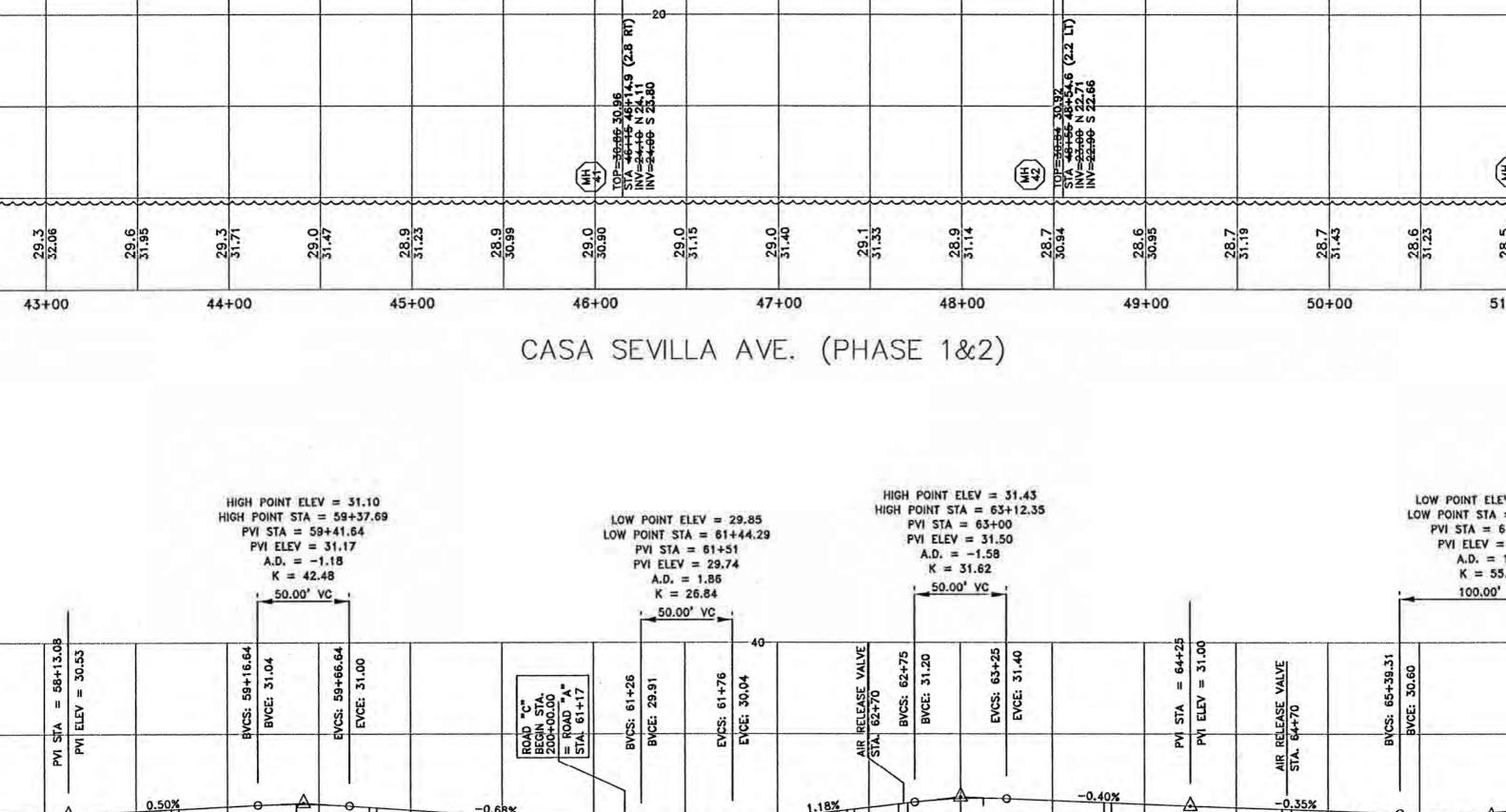


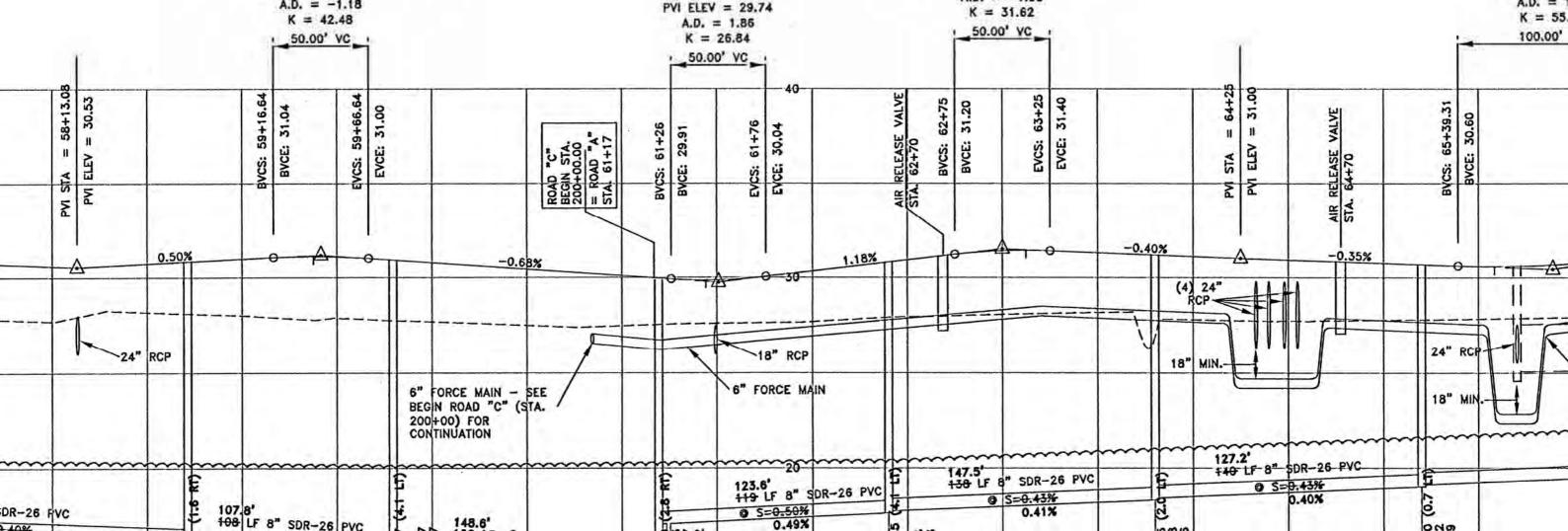
2006 Sevilla Phase 2 **As Built Drawings**

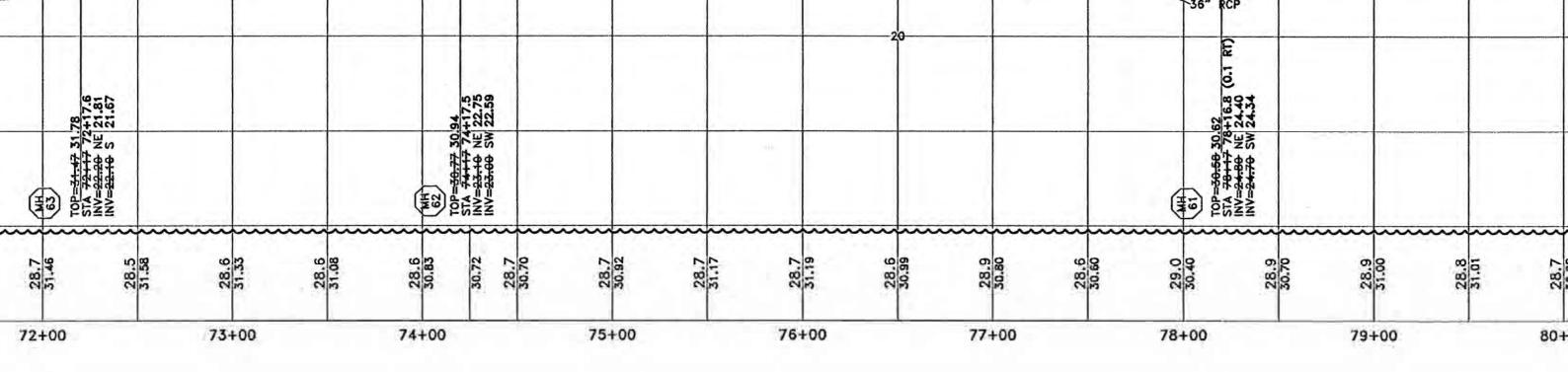




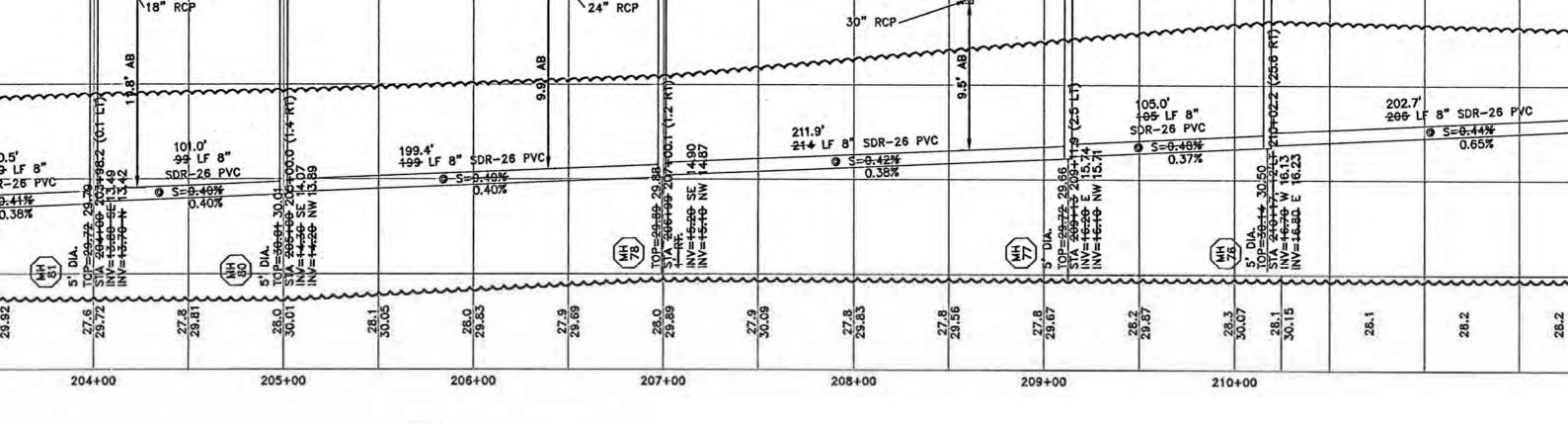






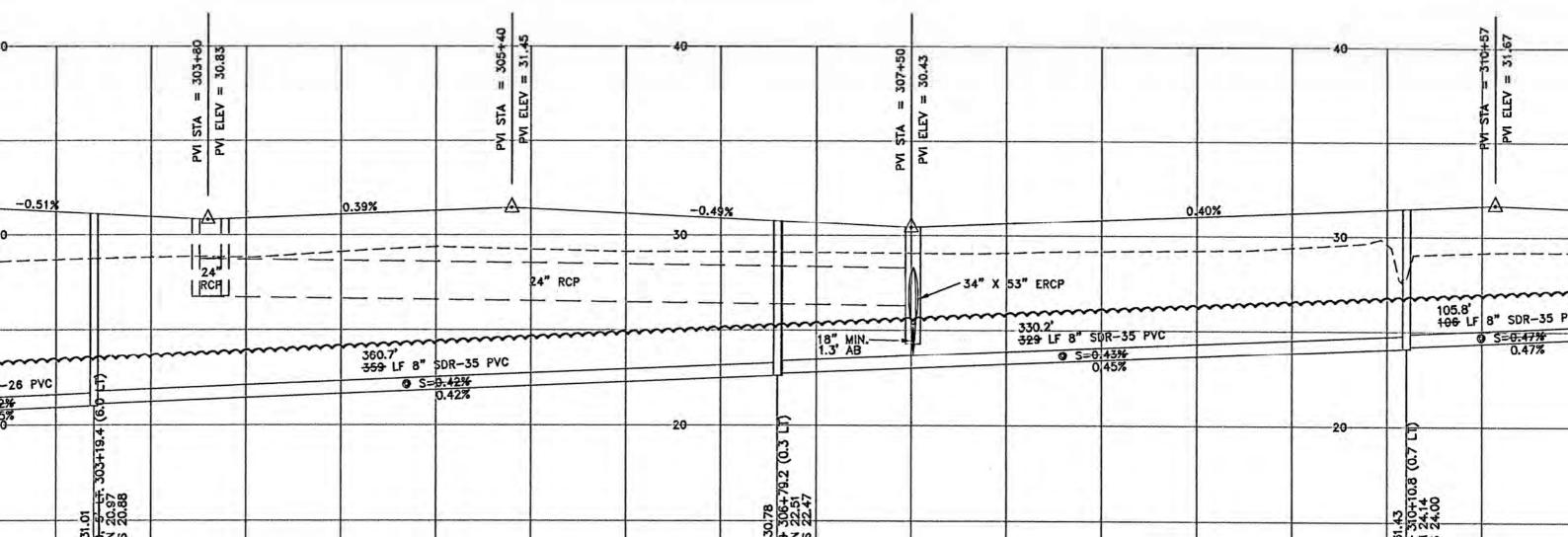


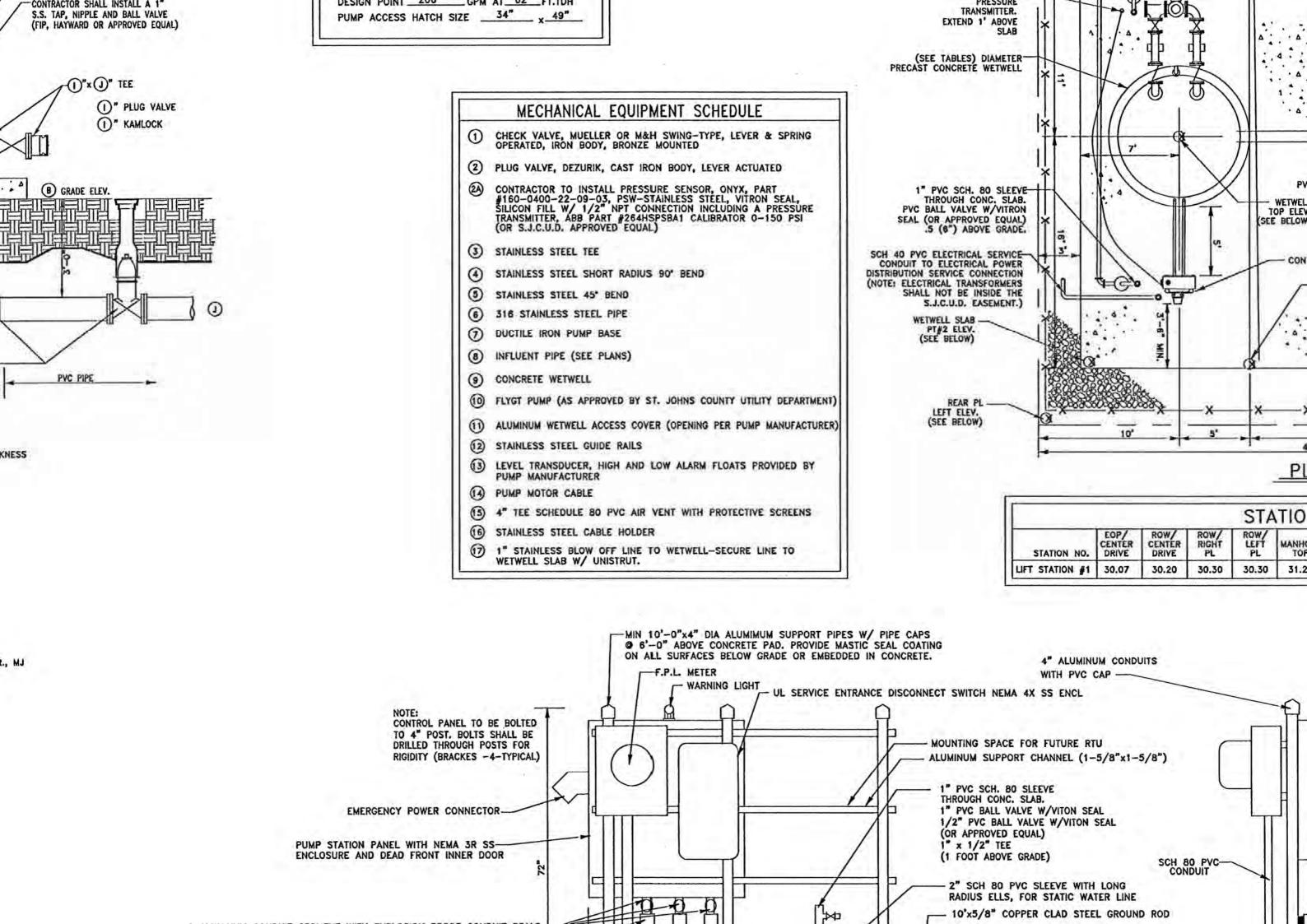
CASA SEVILLA AVE. (PHASE 2)



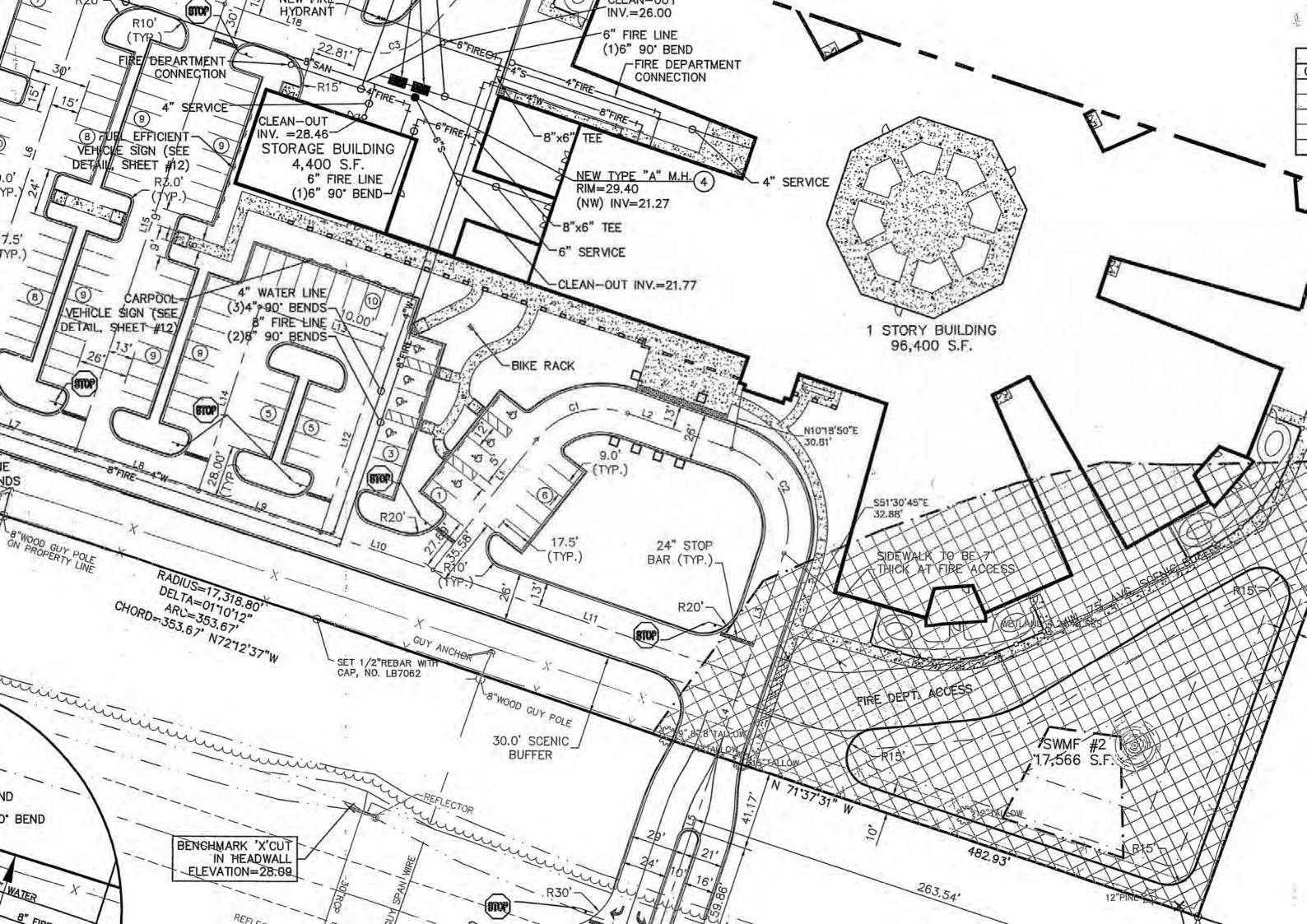
MONA PLACE(PHASE 2)

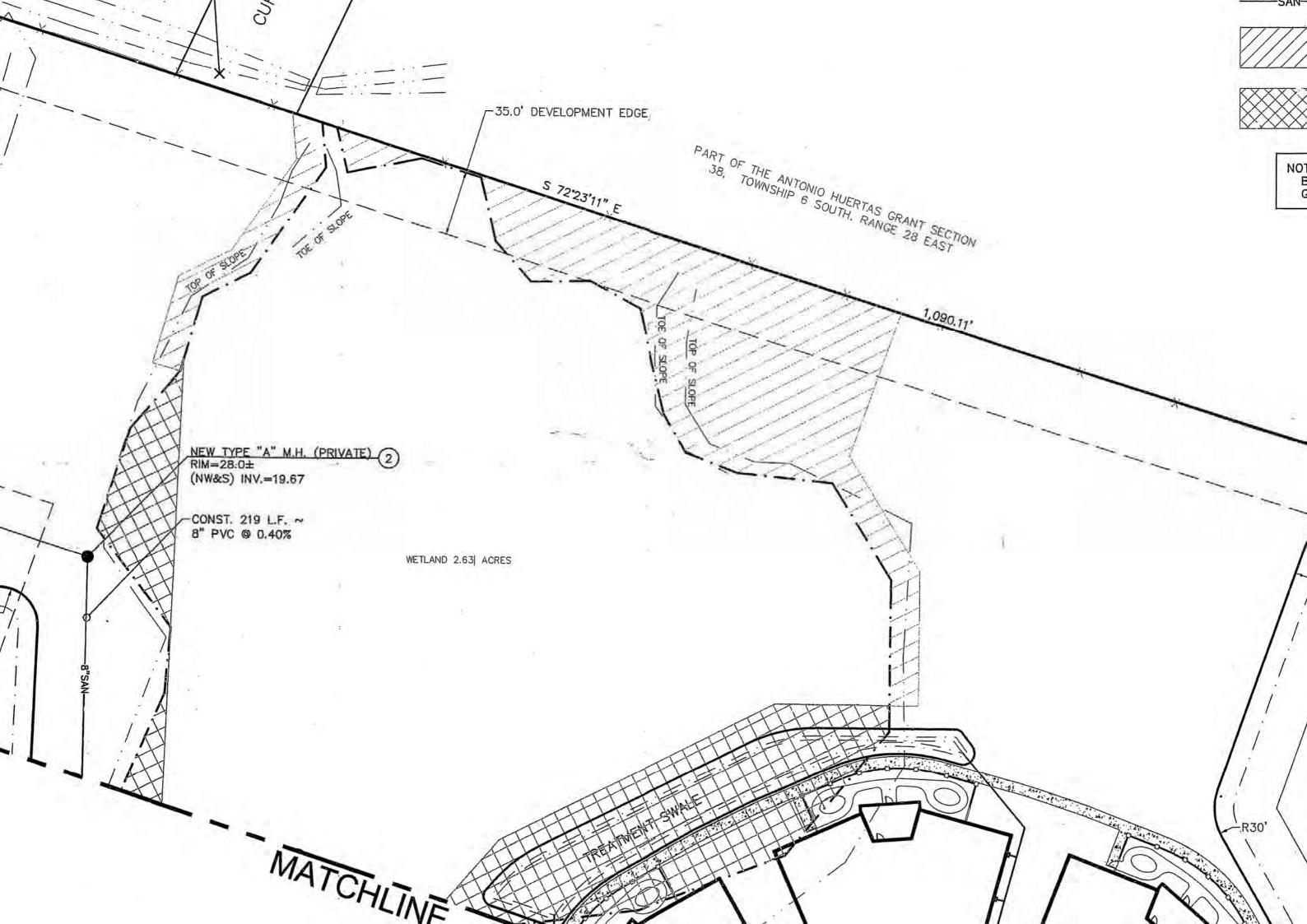
NOTE: M.H. RIM ELEVATIONS SHALL MATCH PROPOSED SURROUNDING FINISHED PAVEMENT ELEVATION.





2008 NW Veteran Affairs As Built Drawings





2009 NW Turnbull Booster Pump Station As Built Drawings

F. JOHNS COUNTY, FLORIDA

PREPARED FOR OHNS COUNTY UTILITY DEPARTMENT

1205 STATE ROAD 16

ST. AUGUSTINE, FLORIDA 32084

PHONE: (904) 209-2626

FAX: (904) 209-2627

AS-BUILT

AS-BUILT CER	TIFICATIONS
CONTRACTOR'S STATEMENT	SURVEYOR'S STATEMENT
DATE: 9/21/12 CO. NAME: Ortega ADRESS: 6415 Greenland Rd Tackson VIIIs, FL 12258	I HEREBY CERTIFY THAT THE X PAVEMENT X CURB & GUTTER X SANITARY GRAVITY SYSTEM

WM G 34 44 54

STORM PIPE, STRUCTURES, E ELEMENTS SHALL BE BACKFILL, PROPERLY OTECHNICAL REPORT.

TION OF ALL SURVEY AND DISTURBED, THE SURVEYOR OF RECORD FOR

LED UNDER PAVEMENT MUST

SUBGRADE FOR PAVEMENT,
HIS CONSTRUCTION WITH
OF ANY CONFLICT

TIFY THE ENGINEER AND RUCTION.

AWINGS ON ALL MATERIALS VAL PRIOR TO PURCHASE

E RATE MAPS PANEL NO.

RM PIPE OR STRUCTURE.

NS, DETAILS AND NOTES
RACTOR IS TO COORDINATE
O CLEARING OPERATIONS.

REFERENCED BY ST. JOHNS /EYING AND MAPPING AS PUBLISHED BY BB, FEET).

S SURVEYING AND MAPPING

Y PROVIDED BY DEGROVE ME 2002201 (PORTIONS HNS COUNTY LAND PPING DIVISION DATED

VEY PROVIDED BY

OMPLETE ACCORDANCE WITH SPECIFICATIONS AND ALL NDARD DETAILS AND CTION, THE WORK SHALL RDANCE WITH THE TECHNICAL ENGINEER'S

TERIAL SHALL BE REMOVED SS DIRECTED OTHERWISE BY

LUDING BENCHMARKS, IS 04.00 OF THE ST. JOHNS CTION 15, "AS-BUILTS" OF TO SCHEDULING A FINAL DING DEPARTMENT OR THE

NSPECTOR SHALL BE SSARY SITE WORK NAL INSPECTION.

T OF TRANSPORTATION

D BY THE LATEST FDOT

PACTS, WETLAND MITIGATION ON THESE PLANS MATCH E ST. JOHNS RIVER WATER L IS PENDING FINAL REVIEW

CONTRACTOR IS
NOTICE OF COMMENCEMENT
TO THE FLORIDA
NO. CONTACT NPDES
FLORIDA DEPARTMENT OF

TONE ROAD, TALLAHASSEE

INTERVALS ALONG POND BANK FOR ALL POND CONSTRUCTION.
ALL DIMENSIONS AND ELEVATIONS ON THE CONTROL STRUCTURE
DETAILS SHALL BE SHOWN ON AS—BUILT DRAWINGS.
CONTRACTOR SHALL SHOW ALL CASING AND SLEEVE LOCATIONS
AND INVERT ELEVATIONS. ALL DEVIATIONS FROM PLANS SHALL
BE CLEARLY INDICATED ON THE AS—BUILT DRAWINGS.

- ALL PAVEMENT MARKING SHALL BE EXTRUDED THERMOPLASTIC, IN ACCORDANCE WITH FDOT SPECIFICATIONS. REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
- 8. THE CONTRACTOR SHALL PROVIDE ACCESSIBLE RAMPS AT ALL SIDEWALK AND CURB CONNECTIONS. ACCESSIBLE RAMPS SHALL MEET ALL APPLICABLE ADA AND ST. JOHNS COUNTY REQUIREMENTS.
- FOR SPECIAL PAVING AND DRAINAGE DETAILS SEE DRAWING NO.
 FOR ALL STANDARD DETAILS SEE ST. JOHNS COUNTY LDC AND STANDARD DETAILS, LATEST REVISIONS.
- STORM DRAINS SHOWN IN PUBLIC RICHT—OF—WAYS OR OTHERWISE INDICATED AS "TV REQUIRED" SHALL BE VIDEO INSPECTED AND RECORDED IN ACCORDANCE WITH ST. JOHNS COUNTY LDG.
- 11. A PRE-CONSTRUCTION/PRE PERMIT MEETING WITH ST. JOHNS COUNTY IS REQUIRED PRIOR TO STARTING ANY SITE ACTIVITIES, PRE CONSTRUCTION MEETING CAN BE HELD IN CONJUNCTION WITH SUCUD/JEA PRECONSTRUCTION CONFERENCE IF APPLICABLE. CONTACT CARL COLEE AT 904-209-D736 TO SCHEDULE A MEETING.
- 12. ALL DETECTABLE WARNING SURFACES FOR SIDEWALK AT CURB CUT HANDICAP RAMPS UNDER THE JURISDICTION OF ST. JOHNS COUNTY SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDES 304, SHEETS 1 THROUGH 6, AND 28 CODE OF FEDERAL REGULATIONS (CFR) PART 36, APPENDIX A LATEST REVISION, AS WELL AS APPLICABLE COUNTY REQUIREMENTS. ACCEPTABLE PRODUCTS ARE CAST IN PLACE COMPOSITE TACTILE BY ADA SOLUTIONS, INC., AND CAST IN PLACE DETACTABLE WARNING PANEL BY ARMORCAST. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE YELLOW. A DIFFERENT CONTRASTING COLOR MAY BE APPROVED WHEN SUBMITTED AS PART OF A UNIFORM SIGNAGE PLAN FOR A DEVELOPMENT. ANY TYPE OF ADHESIVE OR GLUE DOWN MATS; STAMPED CONCRETE OR ANY VARIATION OTHER THAN WHAT IS SPECIFIED ABOVE WILL NOT BE ACCEPTED BY THE COUNTY. THE COUNTY WILL CONSIDER ALTERNATIVES THAT ARE EQUAL TO THE PRODUCTS SPECIFIED ABOVE. THE COUNTY ENGINEER AND THE CHIEF ENGINEER FOR DEVELOPMENT SERVICES WILL HAVE THE SOLE RESPONSIBILITY FOR DETERMINING THE PRODUCT ACCEPTABILITY.
- 13. ALL EROSION AND SEDIMENT CONTROL MEASURES, INDLUDING SILT FENCE, HAY BALES. AND FILTER FABRIC INSIDE DRAINAGE STRUCTURES SHALL BE REMOVED PRIOR TO FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE ENGINEER.

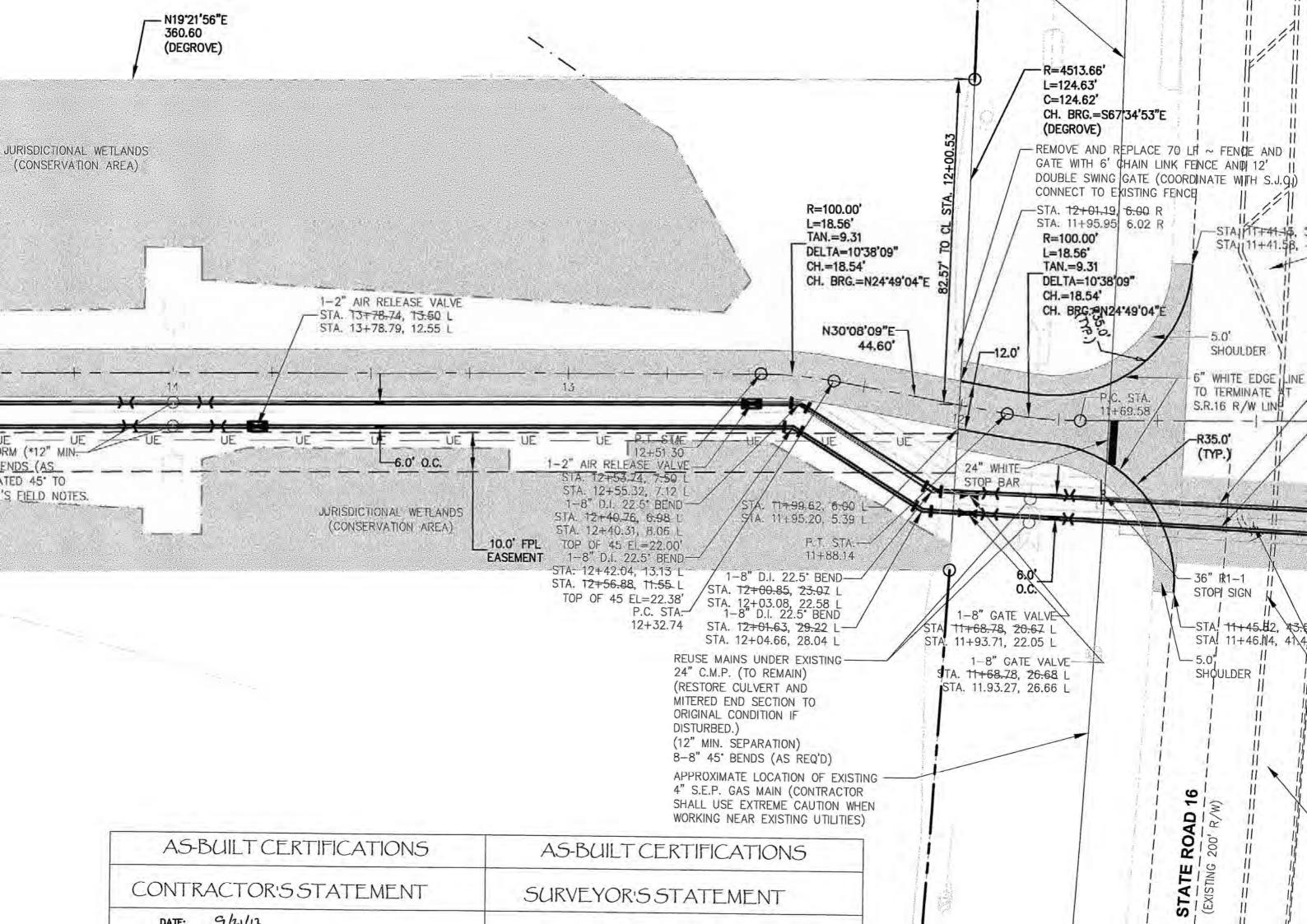
 THE CONTRACTOR SHALL MINIMIZE SERVICE INTERRUPTIONS AND MAINTAIN ANY EXISTING WA ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED CU INTERRUPTION OF SERVICE.

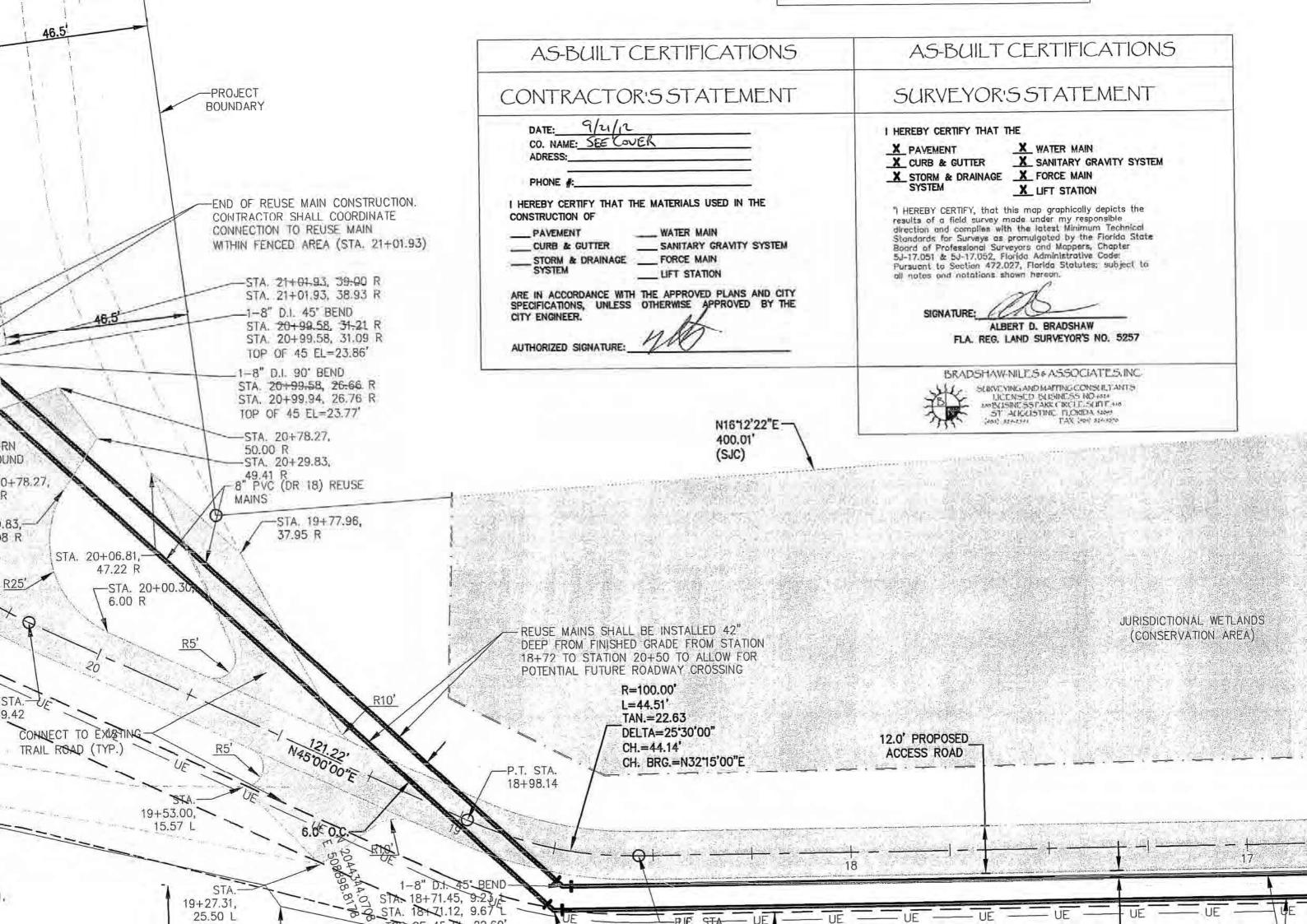
THE ST. BOTHS CONTINUENT DEPARTMENT TO SCHEDULE THIS CONFERENCE.

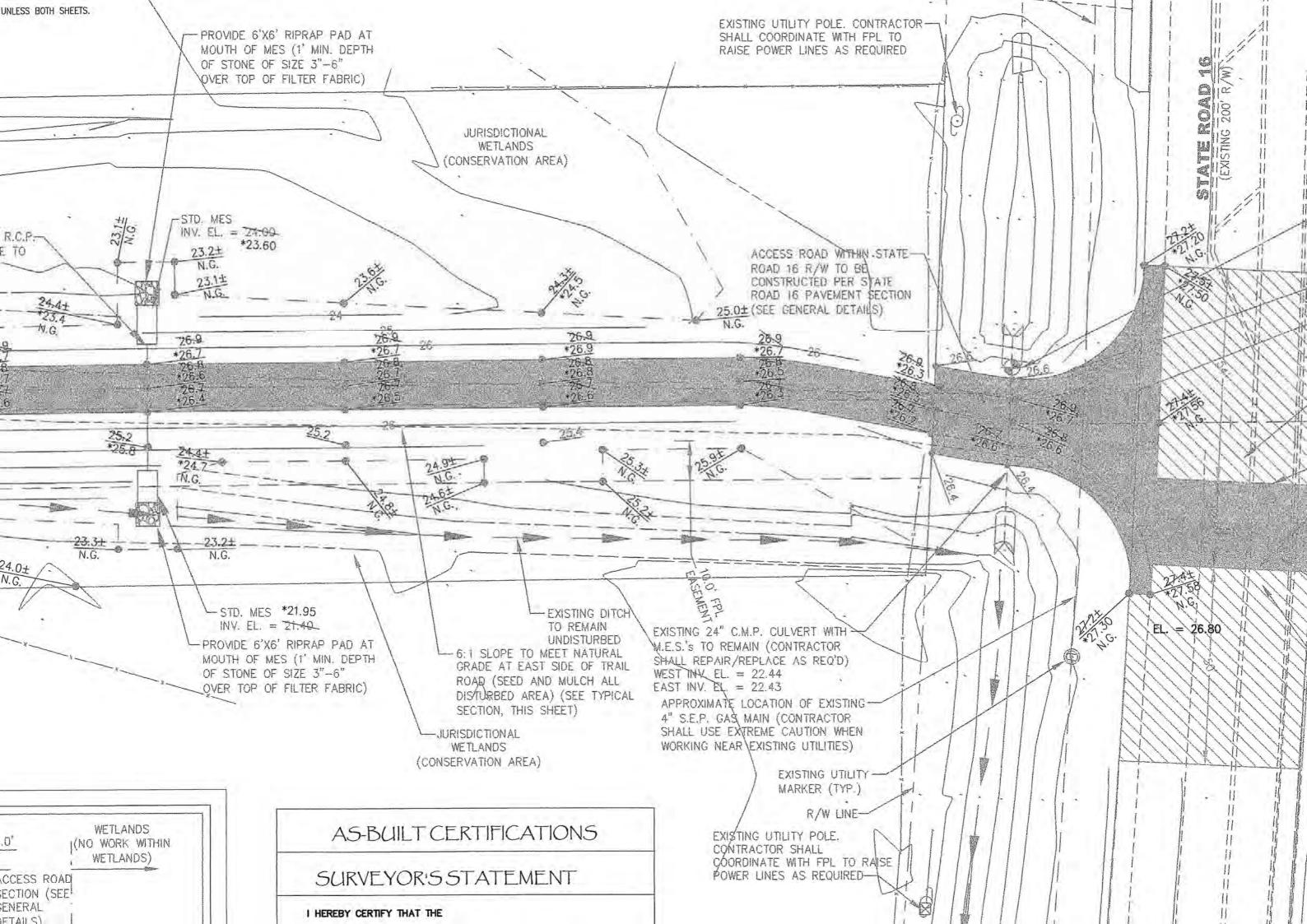
- 12. ALL ELECTRICAL CONDUIT WORK SHALL BE COMPLETED PRIOR TO THE PRESSURE TESTING OUTFALL PIPING. ALL PRESSURE TESTING AND PUMP TESTING SHALL BE WITNESSED BY ST
- 13. ALL UTILITY MAINS 12" AND LARGER SHALL HAVE 42" MINIMUM COVER AND 54" MAXIMUM SHALL HAVE 30" MINIMUM COVER UNDER UNPAVED AREAS AND 36" MINIMUM COVER FROM ADDITIONAL COVER IS REQUIRED FOR VALVE INSTALLATION CLEARANCE FOR PIPE GREATER CONTRACTOR TO PROTECT INSTALLED PIPING UNTIL FINAL ACCEPTANCE BY F.D.E,P AND ST. CONFLICTS.
- 14. ALL UTILITY MAINS SHALL BE FLUSHED IN ACCORDANCE WITH, AND UNDER THE DIRECTION (
- 15. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND REUSE MAINS AND HER REUSE MAINS TO OTHER UTILITIES SHALL BE IN ACCORDANCE WITH ST. JOHNS COUNTY UTIL
- 16. ALL GATE VALVES SHALL BE ST. JOHNS COUNTY UTILITY DEPARTMENT STANDARD. VALVES RESILIENT SEAT. ALL VALVES SHALL OPEN BY TURNING TO THE LEFT. VALVES SHALL BE PRESSURE.
- 17. ALL NEW AND / OR RELOCATED WATER MAIN AND REUSE MAIN PIPE AND FITTINGS SHALL AND JOINT MATERIALS USED IN THE JOINTS SHALL CONFORM WITH ALL APPLICABLE AWWA PLUMBING SHALL CONTAIN NO MORE THAN EIGHT PERCENT LEAD AND ALL SOLDERS AND F
- 18. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATER AREA. THE DUCTILE PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED AN IMPERMEABLE MAT AND COVERED WITH A WATERPROOF COVERING. THE PROPER AUTHO PROPER DISPOSAL.
- ALL UTILITY MAINS ARE DESIGNED TO FINISHED GRADES AND SHALL BE PROTECTED UNTIL V COUNTY UTILITY DEPARTMENT.
- THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL AIR RELEASE VALVES AT CHANGES IN E NOT IDENTIFIED ON THESE DESIGN PLANS.
- 21. ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING SILT FENCE, HAY BALES. AND SHALL BE REMOVED PRIOR TO FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY THE OW
- 22. THESE ENGINEERING DRAWINGS MAY NOT SHOW ALL OF THE STANDARD DETAILS REQUIRED TO THE CONTRACTOR'S RESPONSIBILITY THAT THE CONSTRUCTION BE IN ACCORDANCE WITH COUNTY UTILITIES STANDARD DETAILS AND SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN DETAILS AND SPECIFICATIONS FROM THE DEPARTMENT OF PUBLIC WORKS AS WELL AS A CODETAILS AND SPECIFICATIONS PRIOR TO BEGINNING CONSTRUCTION.

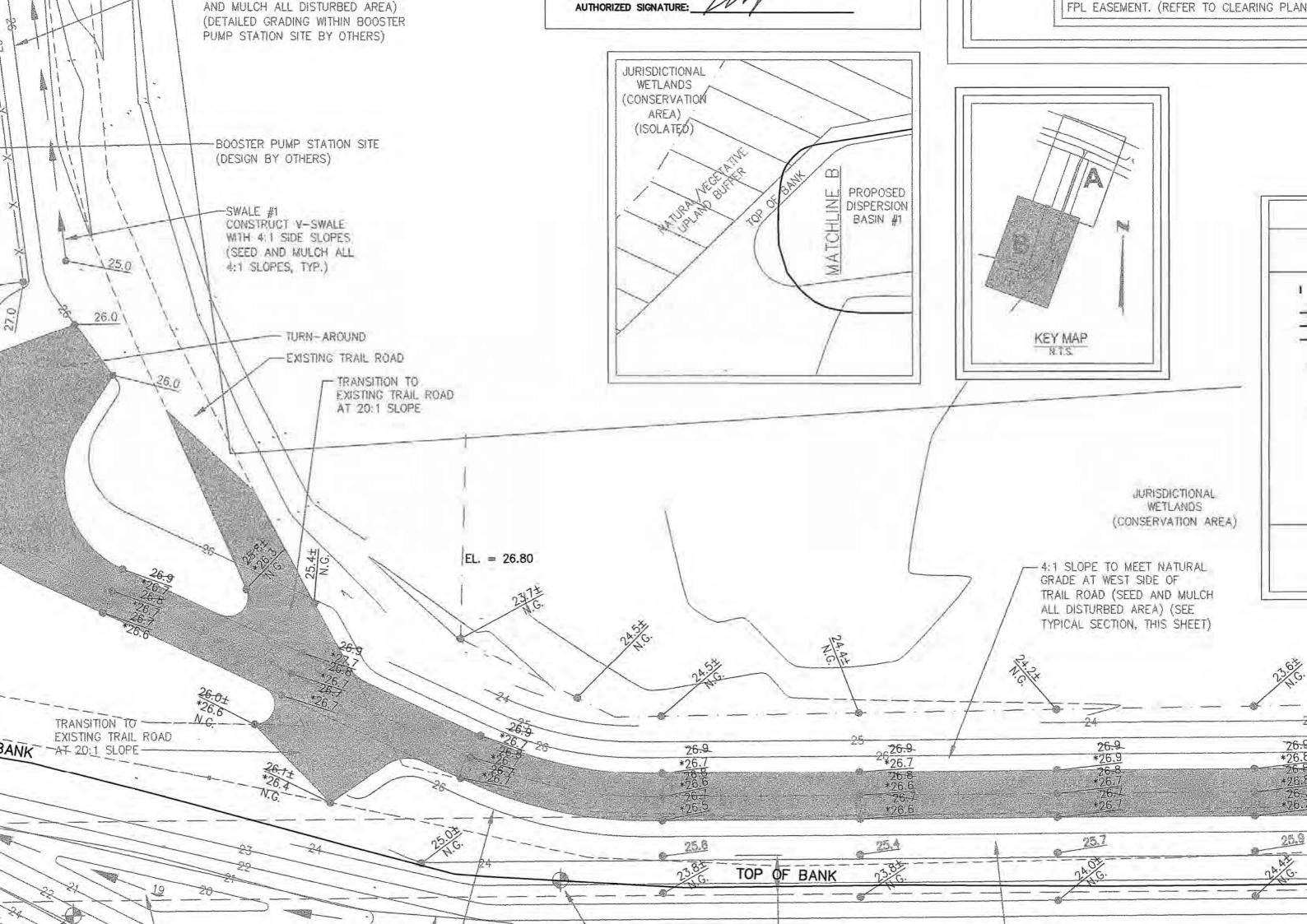
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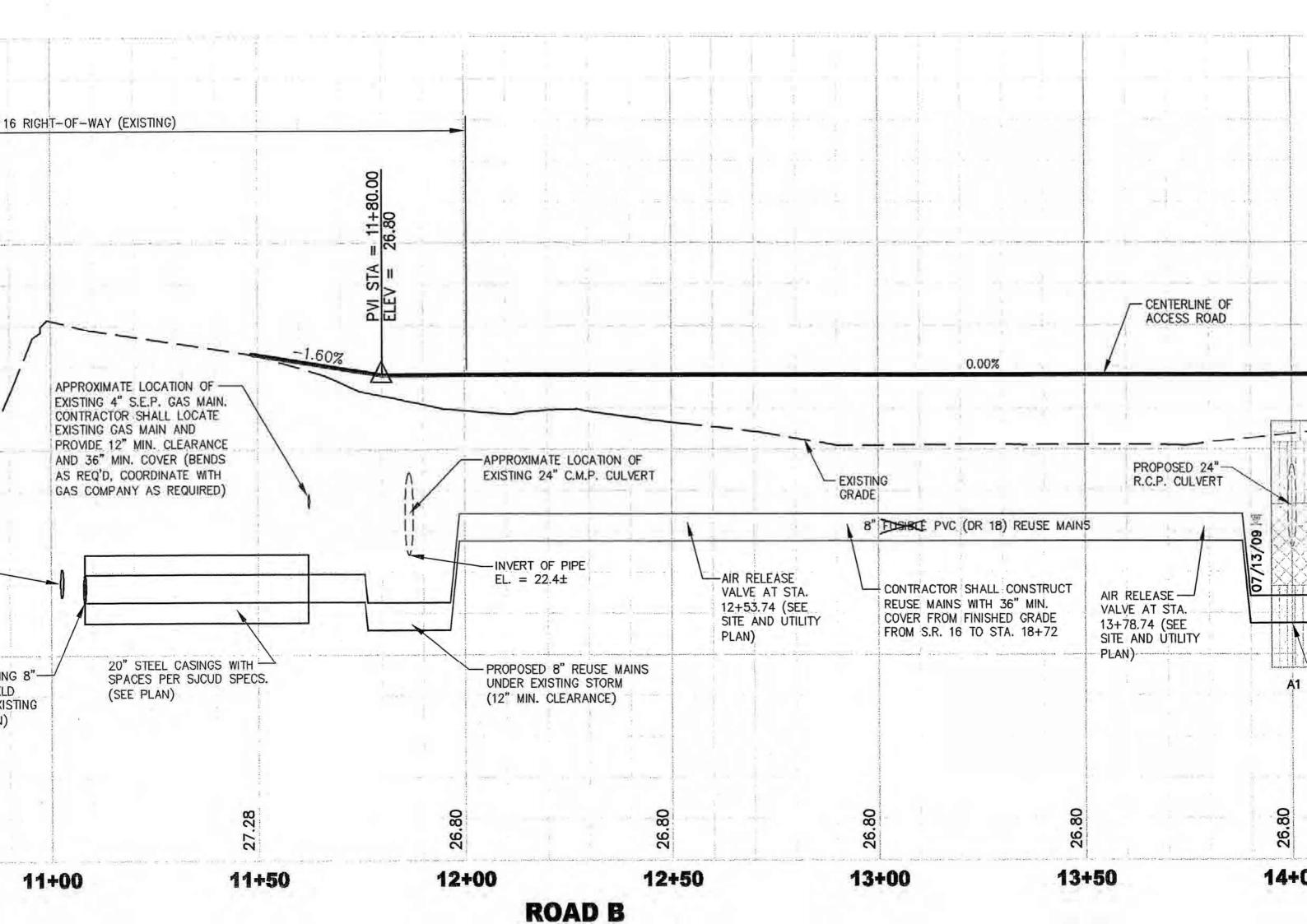
DATE: 9/21/17	
CO. NAME: See Co	va/
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PHONE #:	We are the second secon
CONSTRUCTION OF	THE MATERIALS USED IN THE
PAVEMENT	WATER MAIN
CURB & GUTTER	SANITARY GRAVITY SYSTEM
STORM & DRAINAGE SYSTEM	FORCE MAIN
	LIFT STATION
RE IN ACCORDANCE WITH	THE APPROVED PLANS AND CITY OTHERWISE APPROVED BY THE
PECIFICATIONS, UNLESS	OTHERWISE APPROVED BY THE

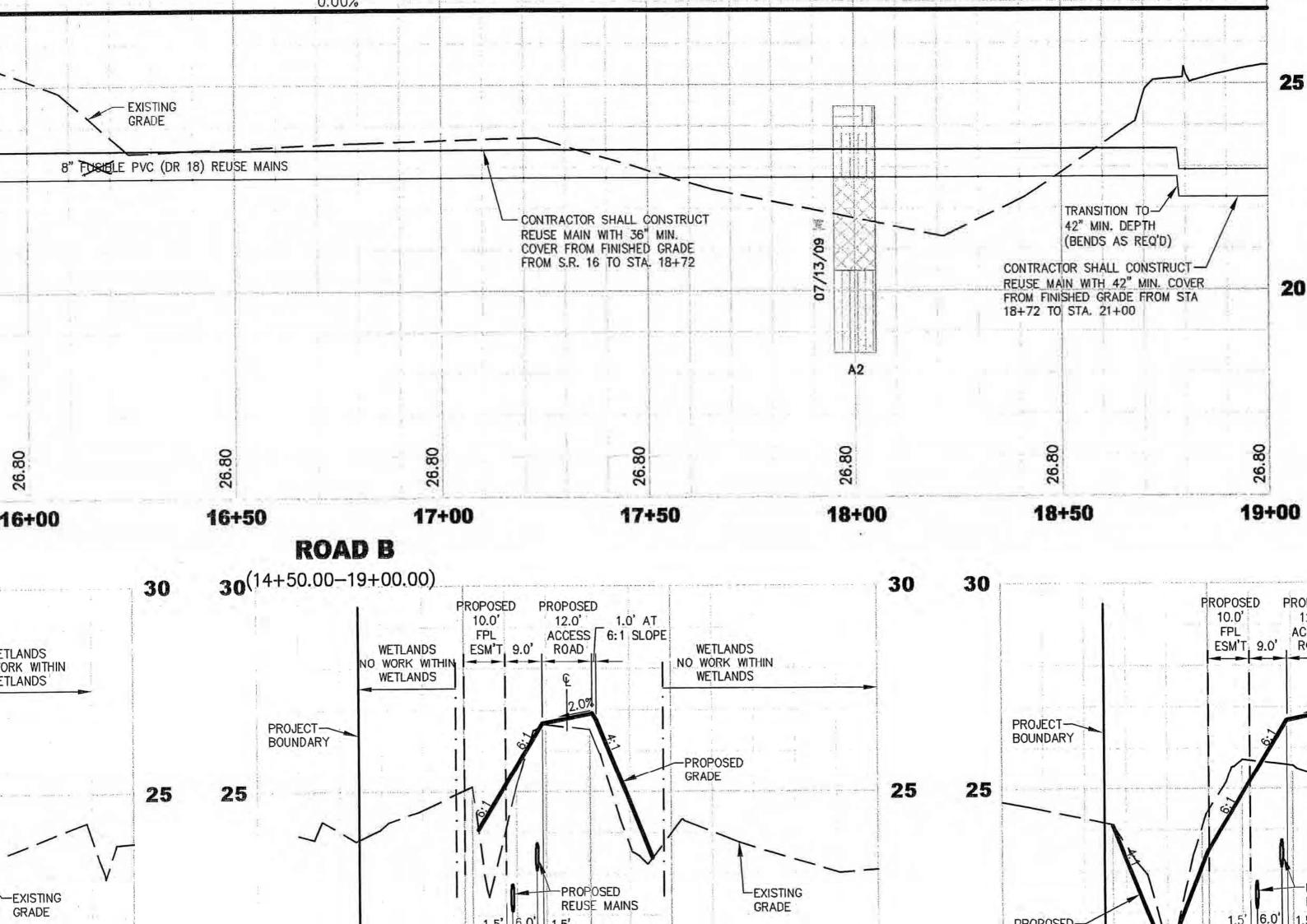


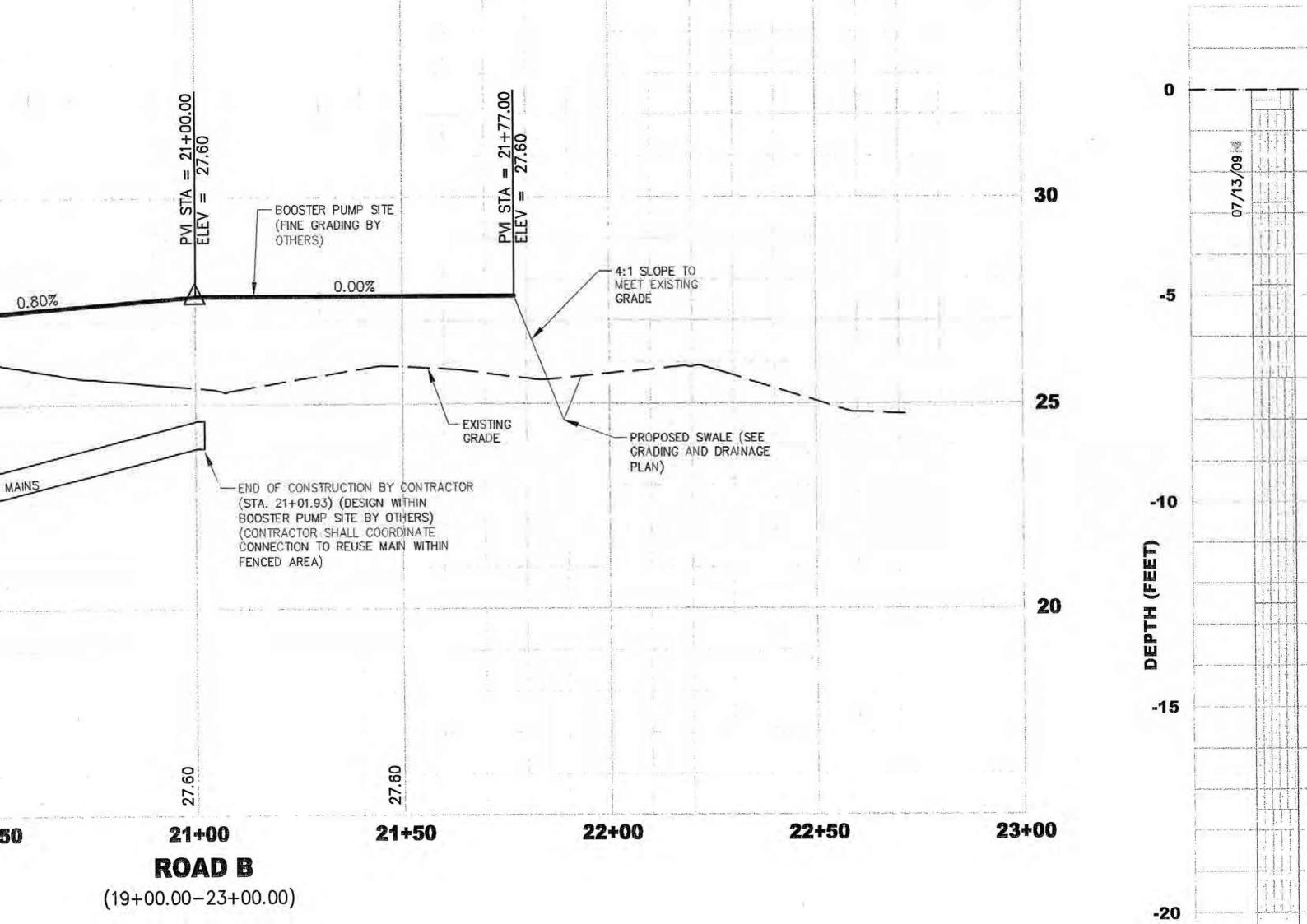


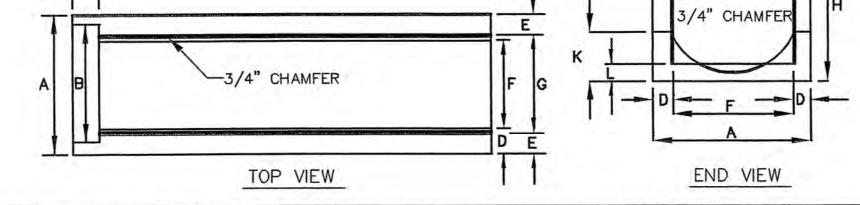












RCP/CMP	A	В	С	D	E	F	G	Н	J	K	L	М	N
15" - 18"	2'-7"	2'-1"	6"	6"	6 3/4"	1'-6"	1'-7"	2'-10"	2'-4"	8"	6"	6'-10"	7'-0"
24"	2'-11"	2'-8"	6"	5"	4 1/2"	1'-11"	2'-0"	3'-6"	3'-1"	7 1/2"	5"	10'-0"	10'-3 1/2"
30"	3'-6"	3'-2"	6"	6"	5 1/2"	2'-5"	2'-6 1/2"	3'-9"	3'-5"	7"	5"	11'-5"	11'-8 1/4"
36"	4'-1"	3'-10"	6"	7"	5 1/2"	2'-9"	3'-0"	4'-6"	4'-0"	6"	6"	14'-0"	14'-4 1/2"

NOTES:

- 1. MITERED END SECTION SHALL MATCH SIDE SLOPE OF LAKE BANK. 2. PIPE LENGTH SHOWN ON PLANS ARE FROM BACK OF MITERED END SECTION TO CENTER OF STRUCTURE
 - STANDARD MITERED END SECTION

N.T.S.

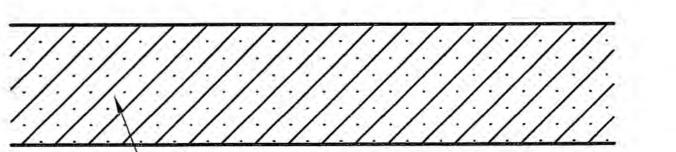
DATE: 9/21/1	
CO. NAME: SEE CO	OVER
ADRESS:	
PHONE #:	
I HEREBY CERTIFY THAT I CONSTRUCTION OF	HE MATERIALS USED IN THE
	WATER MAIN SANITARY GRAVITY SYSTEM FORCE MAIN LIFT STATION
ARE IN ACCORDANCE WITH SPECIFICATIONS, UNLESS CITY ENGINEER.	THE APPROVED PLANS AND CITY OTHERWISE APPROVED BY THE

_3/4" FRICTION COURSE FC-	-3/4"	FRICTION	COURSE	FC-
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THE PIPE TO SIDE OF BEND ORDANCE WITH ANICAL , ALL JOINTS DE OF EXIST, ECHANICALLY

3" TYPE SP STRUCTURAL COURSE PLACED IN (2) 12" LIFTS (TRAFFIC LEVEL D)





L = MIN ELBOW 8 10 10

1. MECHANICA LENGTH AS S 2. 25' MIN. (3. (*) 25' MI 4. (**) LENG 5. DISTANCES 6. SEE PLAN 7. RESTRAINE LENGTH GALC

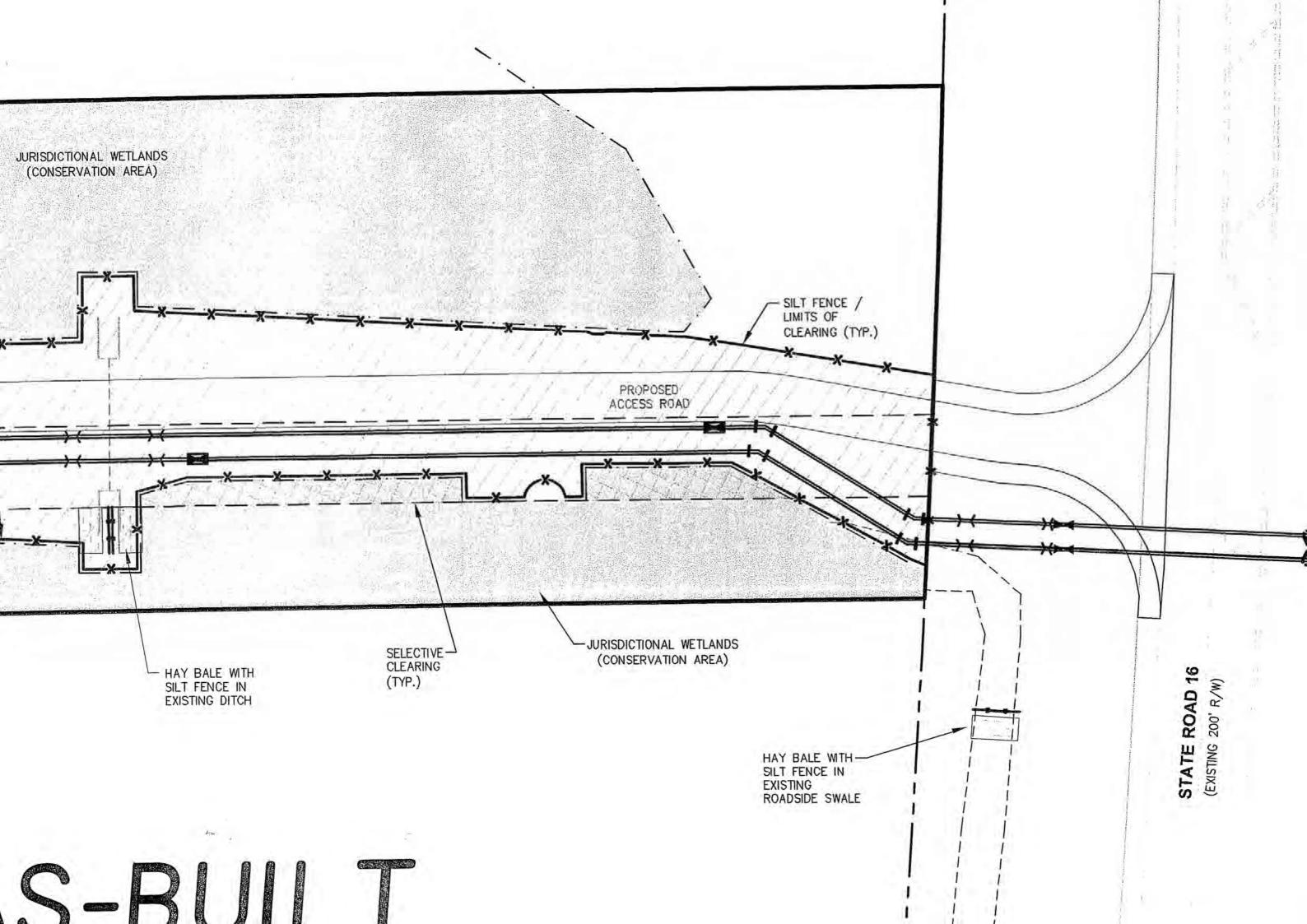
-PIPE MATE -SAFETY FA

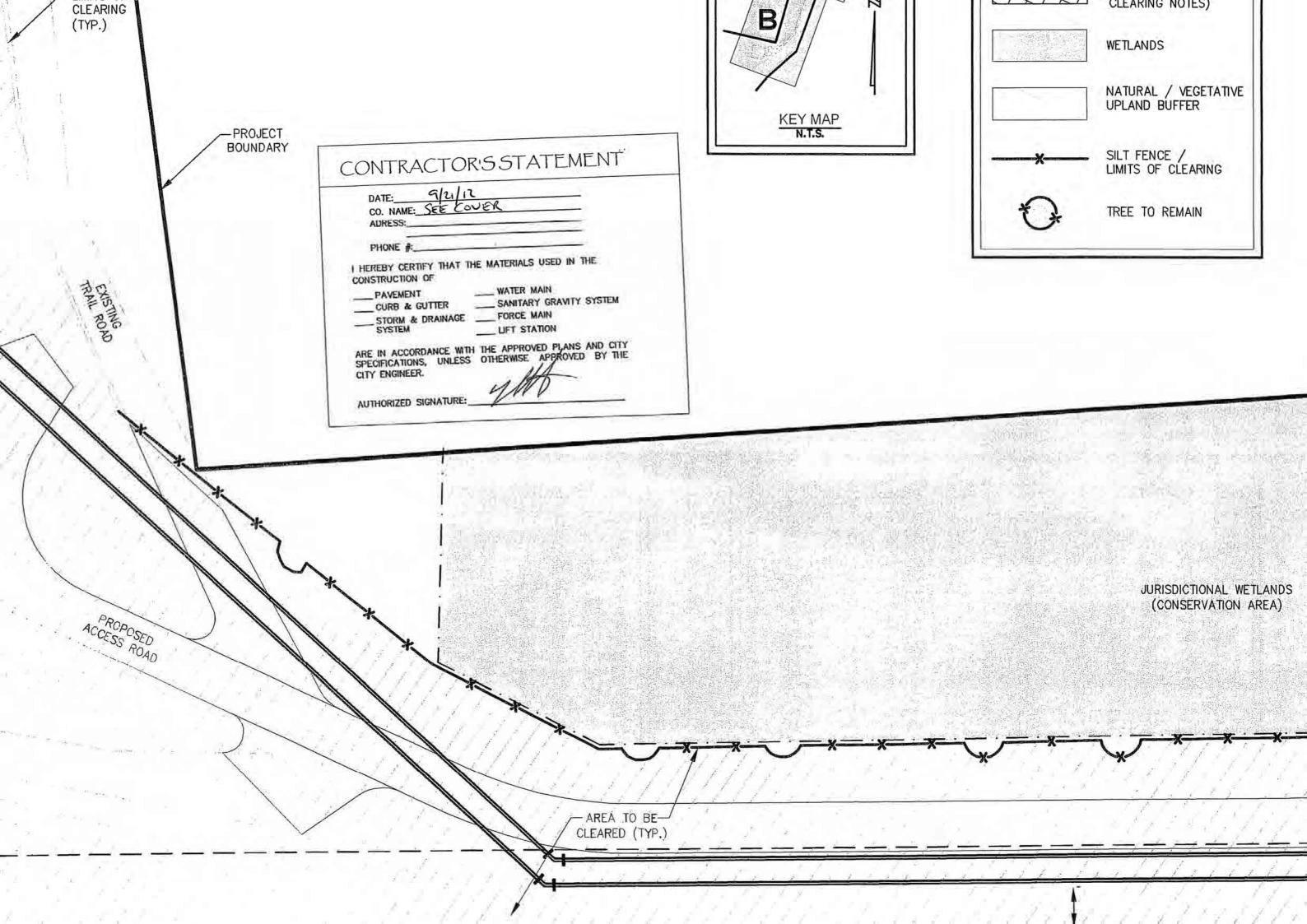
-DEPTH OF -GATE VALV

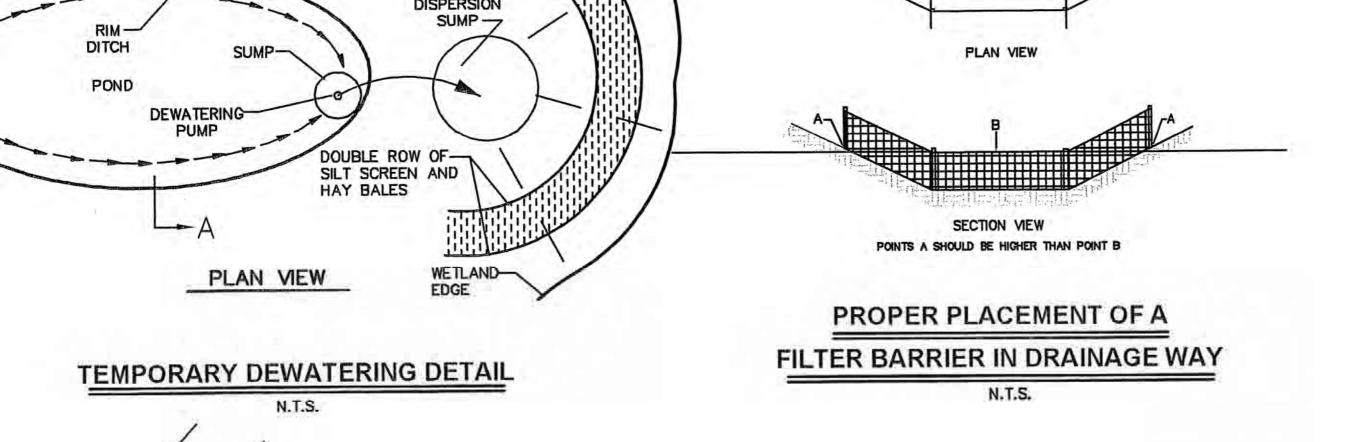
MECH

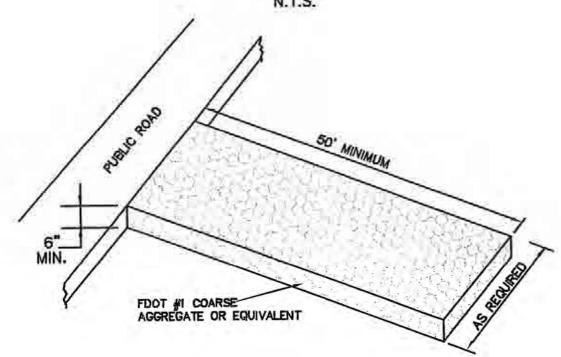
EXIST .-PAVEMENT

COMPACTED LIMEROCK BA 100, 100% MAXIMUM DEN UNDER TOLERANCE) (A.A T-180) PRIMED ENTIRE V

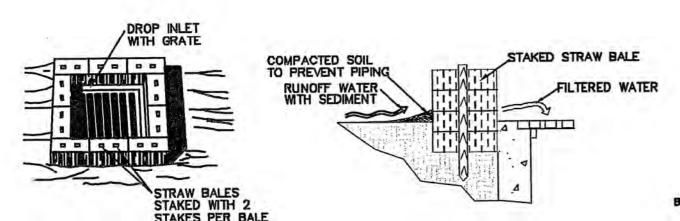


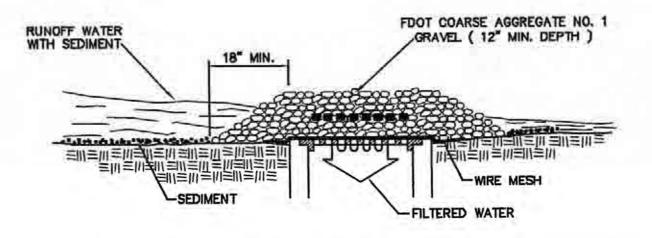






STABILIZED CONSTRUCTION ENTRANCE N.T.S.



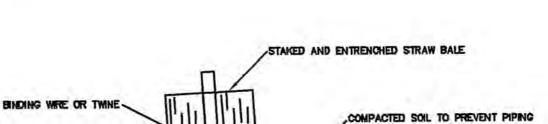


SPECIFIC APPLICATION

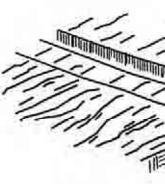
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS
ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE
INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

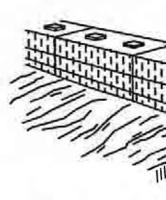
GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

N.T.S.



1. EXCAVATE THE TREN

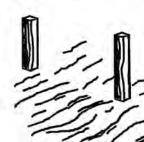




3. WEDGE LOOSE STRAY

CO

1. SET THE STAKES.



SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD

ONSTRUCTION OF THE BUILDING WILL BE TAKING NG ALL THE SEQUENCE STEPS LISTED ABOVE

AS REQUIRED

NG OF CONTROLS/MEASURES

IF REQUIRED

Y GRADING

REAS AND

I AS

ENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND ISTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE EARING OR GRADING OF ANY OTHER PORTIONS OF ASURES SHALL BE INITIATED AS SOON AS PRACTICAL HERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY LL BE STABILIZED PERMANENTLY IN ACCORDANCE ENTIRE SITE IS STABILIZED, THE ACCUMULATED FROM THE SEDIMENT TRAPS AND THE EARTH ADED/REMOVED AND STABILIZED IN ACCORDANCE MENT'AND EROSION CONTROL PLAN (DRAWING NO.

CONTROLS

ORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE INTAINED AND FUNCTIONING PROPERLY TO PREVENT ER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AN AND ADD ADDITIONAL CONTROL MEASURES, AS SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION EQUIREMENTS. ANY CHANGES OR ADDITIONS TO THE INTROL PLAN MUST BE NOTED ON THE CONTRACTOR'S ATE AND TIME IMPLEMENTED. THE FOLLOWING BEST VILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED IMENT CONTROL PLAN AND AS REQUIRED TO MEET THE

REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE

HOWN ON THE SEDIMENT AND EROSION CONTROL PLAN.

ESPONSIBILITY TO IMPLEMENT THE EROSION AND

TROLS

STRAW BALE BARRIERS CAN BE USED BELOW JECT TO SHEET AND RILL EROSION WITH THE UM SLOPE BEHIND THE BARRIER IS 33 PERCENT. OR DITCH LINES WHERE THE MAXIMUM INAGE AREA IS NO GREATER THAN 2 ACRES. ESS IS REQUIRED FOR LESS THAN 3 MONTHS. DULD BE MADE TO LIMIT THE USE OF STRAW BALE UCTED IN LIVE STREAMS OR IN SWALES WHERE SSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES TO PROPERLY ANCHOR BALES TO INSURE

: FILTER FABRIC BARRIERS CAN BE USED BELOW JECT TO SHEET AND RILL EROSION WITH THE

UM SLOPE BEHIND THE BARRIER IS 33 PERCENT. OR DITCH LINES WHERE THE MAXIMUM

AINAGE AREA IS NO GREATER THAN 2 ACRES.

TLTER FABRIC: BRUSH BARRIER MAY BE USED

TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.

TEMPORARY REGRASSING : IF. AFTER 14 DATS FROM SEEDING, THE

- 12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- 14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION, SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

- TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
- TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING
 - A. THE SEDIMENT TRAP MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION
- OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.
- SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN, ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED

THE ORIGINAL MANUFACTURER'S LABEL. * SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS

PRODUCTS WILL BE KELL IN THEIR ONIGHAE CONTAINERS WITH

RECOMMENDED BY THE MANUFACTURER.

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE

- DISPOSING OF THE CONTAINER. * MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL
- * THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.
- HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED

WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- * ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
- * IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

WILL BE FOLLOWED.

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED CHISTE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE, EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE, EQUIPMENT AND MATERIALS WILL

INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

STABILIZED WITH

STABILIZED ? (YES/NO)

NEXT TURBANCE

ILIZATION MEASURES

EUSE BOOSTER PUMP STATION

ON OR BEFORE.

AGE 1 OF 4

POLLUTION PREVENTION PLAN
MAINTENANCE REPORT FORM SEDIMENT BASIN

LN	ANY EVIDENCE OF OVERTOPPING OF THE EMBANKMENT ?	CONDITION OF OUTFALL FROM SEDIMENT BASIN
=1		

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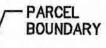
ON OR BEFORE

OTHER CONTROLS

ED CONSTRUCTION ENTRANCE

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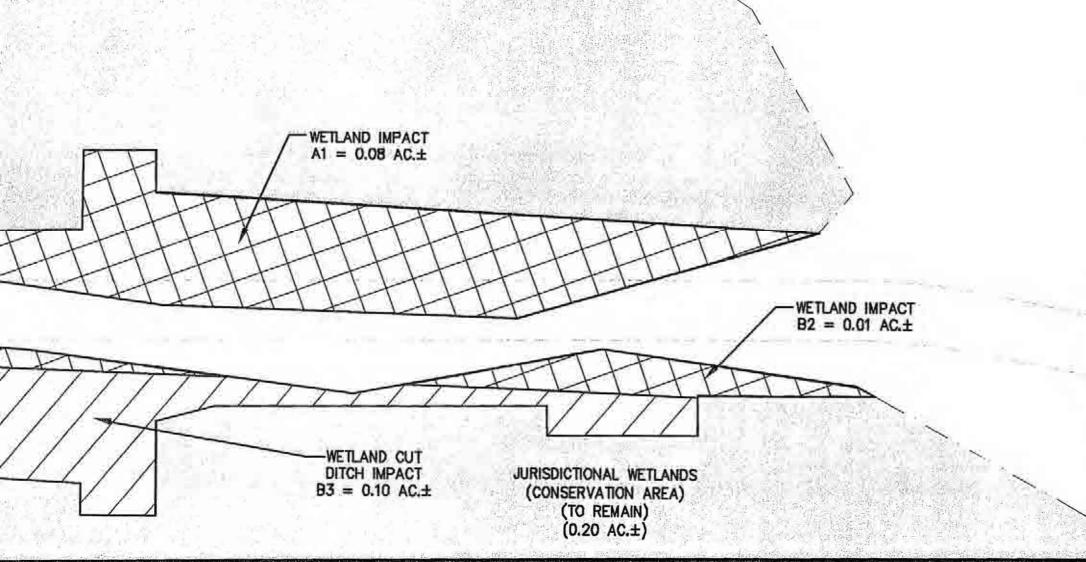
STORM WATER POLLUTION INSPECTION AND MAINTEN



STATE ROAD 16 (EXISTING 200' R/W)

PARCEL BOUNDARY

PROPOSED ACCESS ROAD



AS-BUILT

CONTRACTOR'S STATEMENT

DATE: 9/21/12 CO. NAME: SEE COVER

AS-BUIL CONTRACTOR'S STATEMENT DATE: 9/21/12 CO. NAME: SEE COVER ADRESS:_ UP PHONE #:_ I HEREBY CERTIFY THAT THE MATERIALS USED IN THE DESCRIP CONSTRUCTION OF IMPACT **PROJECT** ____ WATER MAIN _PAVEMENT BOUNDARY ____ SANITARY GRAVITY SYSTEM _CURB & GUTTER TOTAL STORM & DRAINAGE ____ FORCE MAIN SYSTEM ___ LIFT STATION ARE IN ACCORDANCE WITH THE APPROVED PLANS AND CITY SPECIFICATIONS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. AUTHORIZED SIGNATURE: PROPOSED **ACCESS** -WETLAND CUT ROAD DITCH IMPACT $A2 = 0.12 \text{ AC.} \pm$ EXTENTS OF IMPACTS (TYP.) WETLAND IMPACT $A3 = 0.02 AC.\pm$

ANS. THE CONTRACTOR SHALL RESPOND

TO BY THE PROJECT ENGINEER WITHOUT

CONTRACTOR SHALL ALSO RESPOND WITHIN

PROJECT ENGINEER TO ANY REQUESTS

DIFICATION TO THE TRAFFIC CONTROL PLAN

ONLY AND DO NOT REPRESENT

XCEPT FLAGGERS) AND THEIR ACTIVITIES SIDE OF THE PAVEMENT.

MAINTAINED AT ALL TIMES.

ALL NOT BE ALLOWED BETWEEN THE 5:00 PM TO 7:00 PM. ANY NIGHT TIME RESENCE OF AN OFF-DUTY LAW ATROL CAR.

IG CONDITIONS AT PROJECT BEGINNING NEER.

ST MOUNTED. WHEN NO WORK IS BEING TO TWO-WAY TRAFFIC, THE "ONE-LANE FULLY COVERED.

ONTRACTOR SHALL REFER TO STANDARD

MENT OF TRANSPORTATION (FDOT)

THE LATEST FDOT DESIGN STANDARDS

INDEX NO. 603.

- 2. TIE IN PROPOSED REUSE MAINS TO EXISTING REUSE MAIN AS SHOWN IN THE T.C.P. (SEE SHEET NO. 13).
- 3. PROVIDING SMOOTH TRANSITION, TIE ROAD BACK TO EXISTING STATE ROAD 16 AS SHOWN IN THE T.C.P. (SEE SHEET NO. 13).
- 4. RESTORE AREA TO PRE-CONSTRUCTION (OR BETTER) CONDITIONS.

PHASE III (NO PLANS)

- 1. MILL AND RESURFACE SR 16 (SEE THE LIMITS AS SHOWN ON SHEET NO. 3A)
- 2. FOR PLACEMENT OF TRAFFIC CONTROL DEVICES REFER TO PHASES I AND II (AND F.D.O.T. STANDARD INDEX NO. 603).
- 3. PLACE PERMANENT PAVEMENT MARKINGS ON SR 16 (AS SHOWN ON SHEET NO. 3A). REFER TO F.D.O.T. STANDARD INDEX NO. 607.

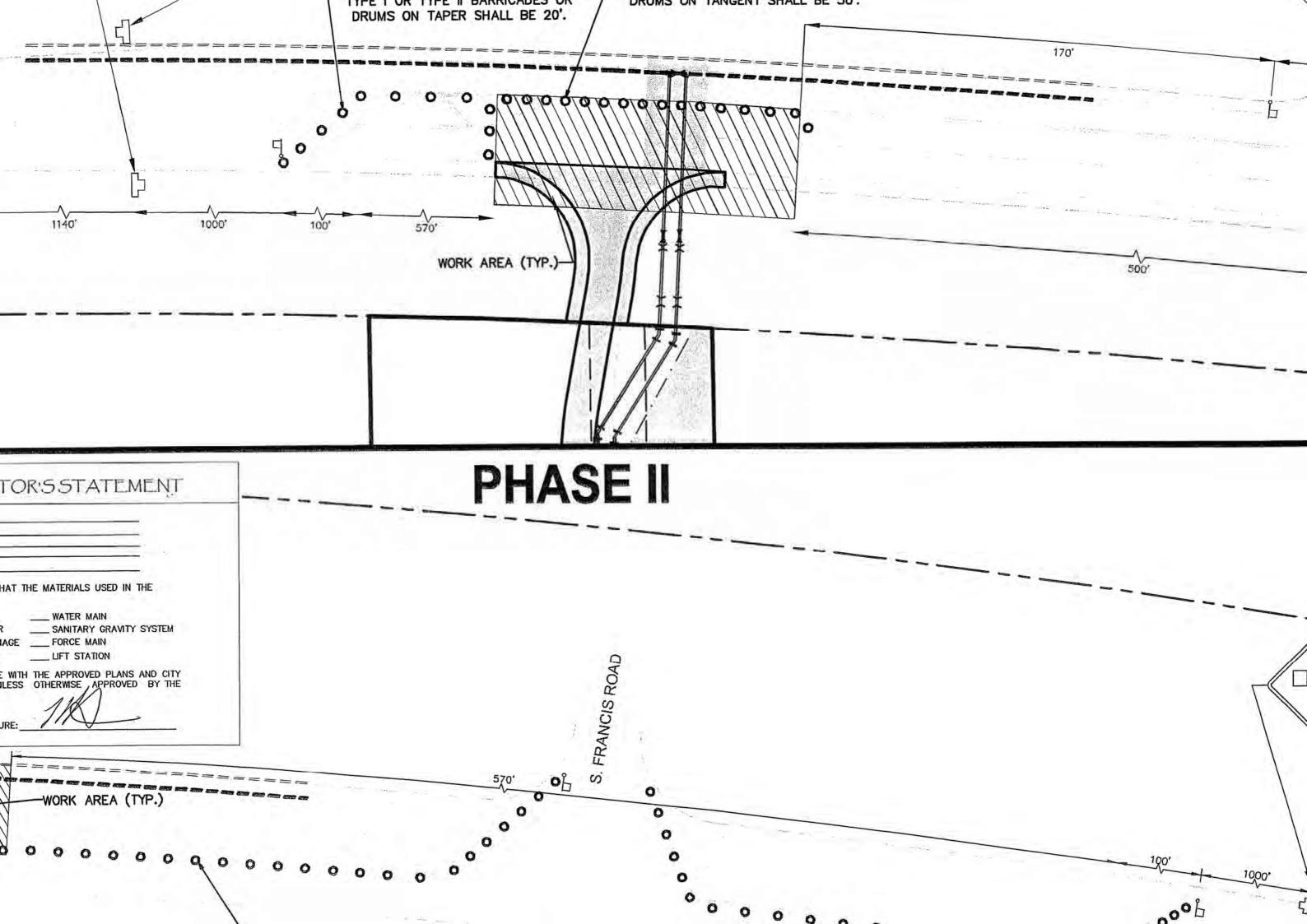
AS-BUILT

DATE: 9/21/1	
CO. NAME: SEE	COUER
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strong ust a dec	
PHONE #:	
HEREBY CERTIFY THAT ONSTRUCTION OF	THE MATERIALS USED IN THE
PAVEMENT	WATER MAIN
CURB & GUTTER	SANITARY GRAVITY SYSTEM
STORM & DRAINAGE	FORCE MAIN
SYSTEM	LIFT STATION
RE IN ACCORDANCE WIT PECIFICATIONS, UNLESS TY ENGINEER.	H THE APPROVED PLANS AND CITY OTHERWISE APPROVED BY THE

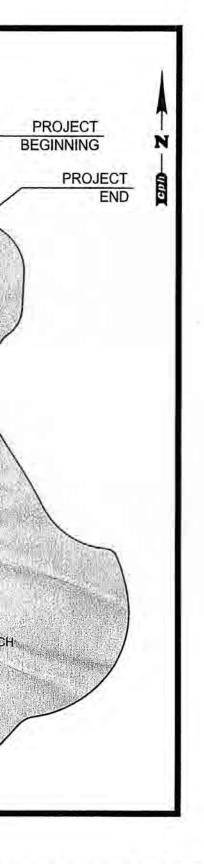
PHASE II T.C.P. TYPICAL SECTION

N.T.S.

0N



2014 MSW Watermain Interconnect State Road 16 As Built Drawings





Florida Map

N.T.S.

ATLANTIC DIRECTIONAL DRILLING, INC. BORE LOG

Masci 14 BB I IV ore: Etow Job Name: St www Leaner how
Footage: 375 ft
Start Station #: 699 +35
End Station #: 695 + 60
Print #: 95 10"
Pipe Size: 20" Foot 12m

ATLANTIC DIRECTIONAL DRILLING, INC. BORE LOG

Contractor: Masci

Date: 4-74-14

Bored By: 55

Address: 5+10 14

Direction of Bore: 6+0 E

Rod Length: 151

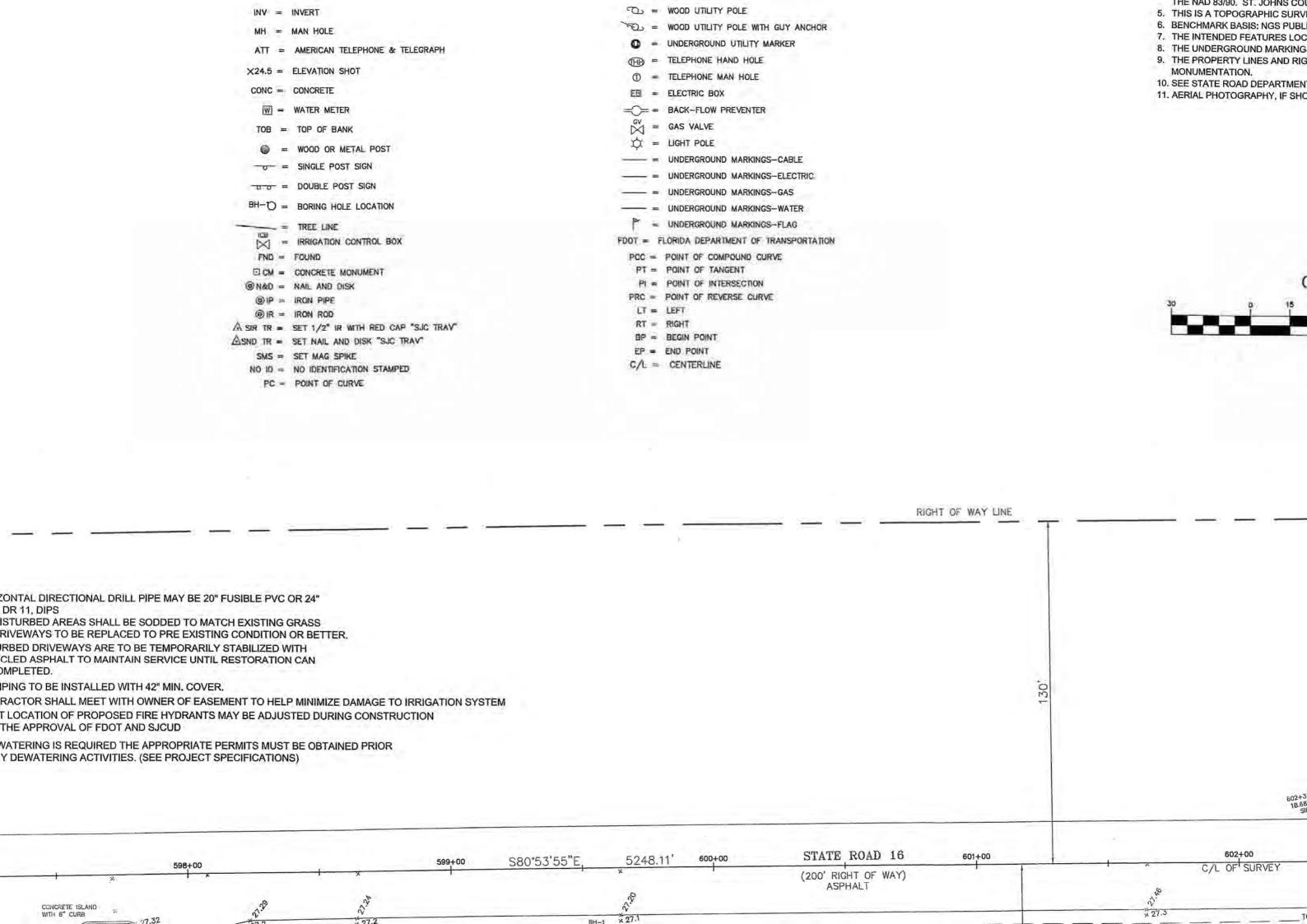
Job Name: St RO 16 MM Feder was not to Footage: 120'
Start Station #: 747 + 20
End Station #: 748 + 40
Print #: 13
Pipe Size: 20' Five him

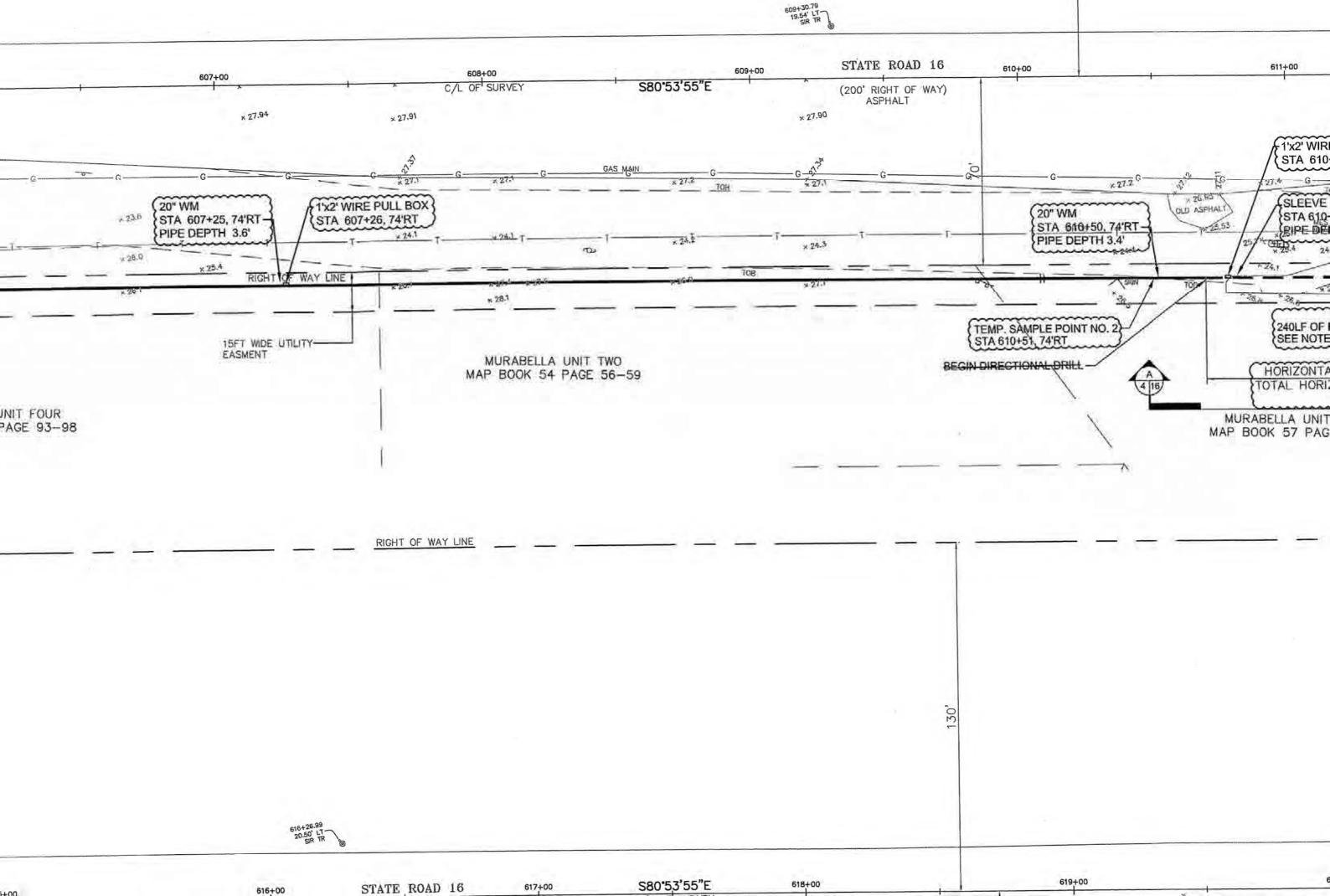
NOTICE

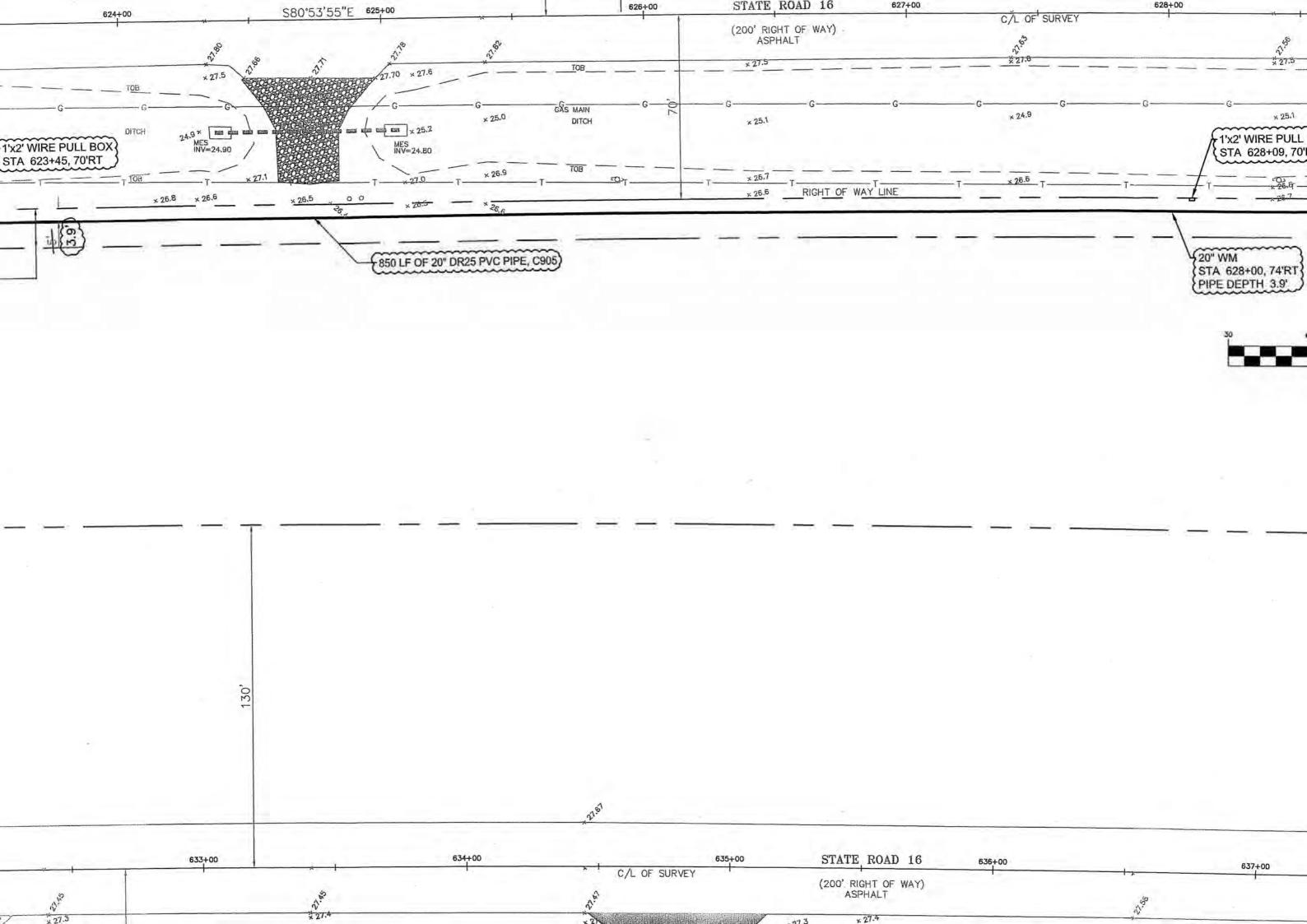
THIS SET OF PLANS IS NOT VALID FOR CONSTRUCTION PURPOSES WITHOUT BEING STAMPED "APPROVED FOR CONSTRUCTION BY CPH INC." PLANS WITHOUT THIS STAMP ARE GIVEN FOR INFORMATIONAL PURPOSES ONLY.

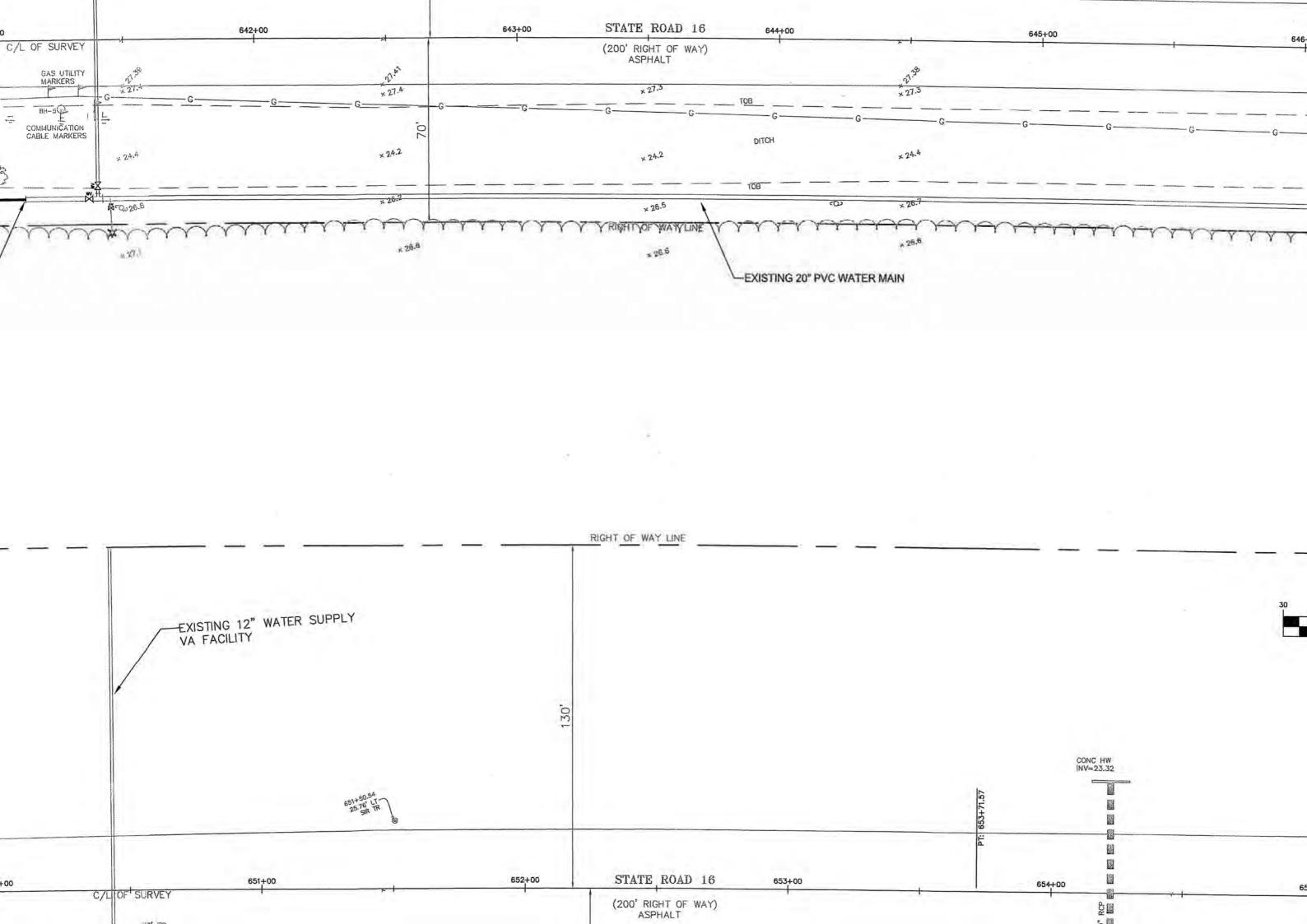
Surveyor's Notes:

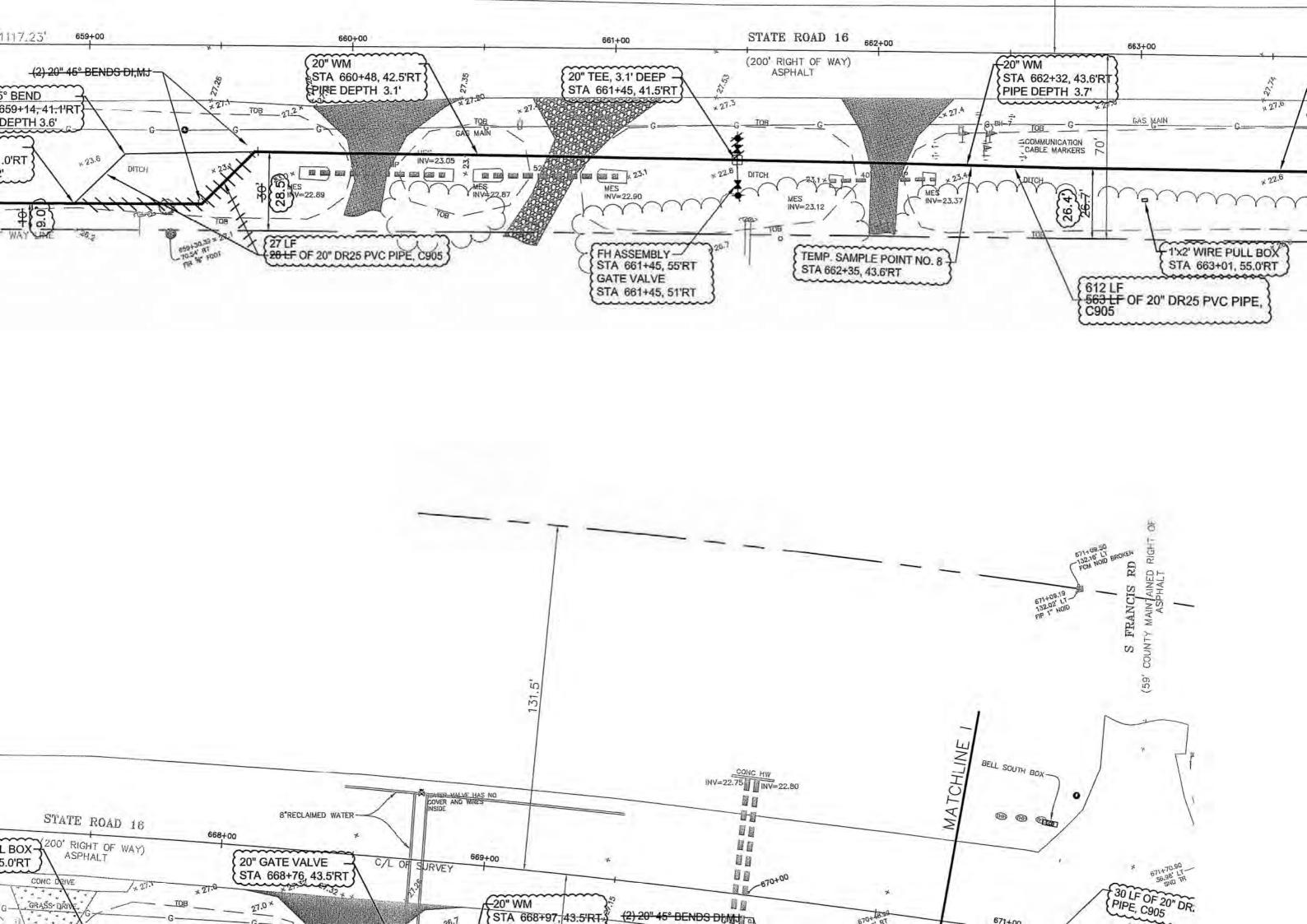
- "SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NO WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF LICENSED SURVEYOR AND MAPPER."
- "ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRIT OF THE SIGNING PARTY OR PARTIES."
- ON THE RESPECTIVE SURVEY FILE. THIS TOPOGRAPHIC SURVEY ON THE RESPECTIVE SURVEY FILE. THIS FIELDWORK WAS PERF A TOPOGN LEVEL MODEL # AT-G4, AND REFERENCES THE F PUBLISHED BENCHMARKS AS ESTABLISHED BY THE NORTH AM VERTICAL DATUM OF 1988 (NAVD '88) AND SAID ELEVATIONS VERTICAL CONTROL BENCHMARKS SUPPLIED BY ST. JOHNS COENGINEERING DEPARTMENT FOR STATE ROAD 16 WATER MAIN
 - a) DESIGNATION #1 SURVEY DISK STAMPED H 482, ELE
 - b) DESIGNATION #2 SURVEY DISK STAMPED J 482, ELE
- 4. SITE BENCHMARKS ARE AS LISTED ON SHEET 3.
- . THIS SURVEY IS NOT VALID WITHOUT SHEETS 1, 3 THROUGH 1
- THE LAST DAY FIELD WORK WAS PERFORMED WAS SEPTEMBER
- BEARINGS SHOWN HEREON ARE RELATIVE TO BASELINE SURVE CENTERLINE OF CONSTRUCTION BEING S80°53'55"E.
- HORIZONTAL WELL-IDENTIFIED FEATURES IN THIS SURVEY AND BEEN MEASURED TO AN ESTIMATED HORIZONTAL POSITIONAL 0.07'. THE EQUIPMENT USED TO LOCATE THE FEATURES WAS TOTAL STATION MODEL # GPT-3005W
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN A OPINION OF TITLE. NO INSTRUMENTS OF RECORD REFLECTING RIGHTS—OF—WAY, AND/OR OWNERSHIP WERE FURNISHED TO T EXCEPT AS NOTED.
- NO UNDERGROUND UTILITIES, FOUNDATIONS OR IMPROVEMENTS BEEN LOCATED EXCEPT AS SHOWN.
- VERTICAL FEATURE ACCURACY: ELEVATIONS OF WELL—IDENTIFICATION OF THE SURVEY AND MAP HAVE BEEN MEASURED ESTIMATED VERTICAL POSITIONAL ACCURACY OF 0.04'.
- 12. THIS IS NOT A BOUNDARY SURVEY.
- 13. DIMENSIONS ARE SHOWN RELATIVE TO UNITED STATES STANDA
 DECIMALS THEREOF, UNLESS THE OBJECT SHOWN IS COMMONL
 INCHES, I.E. TREE DIAMETER, PIPE DIAMETER, FTC. TREES DEP

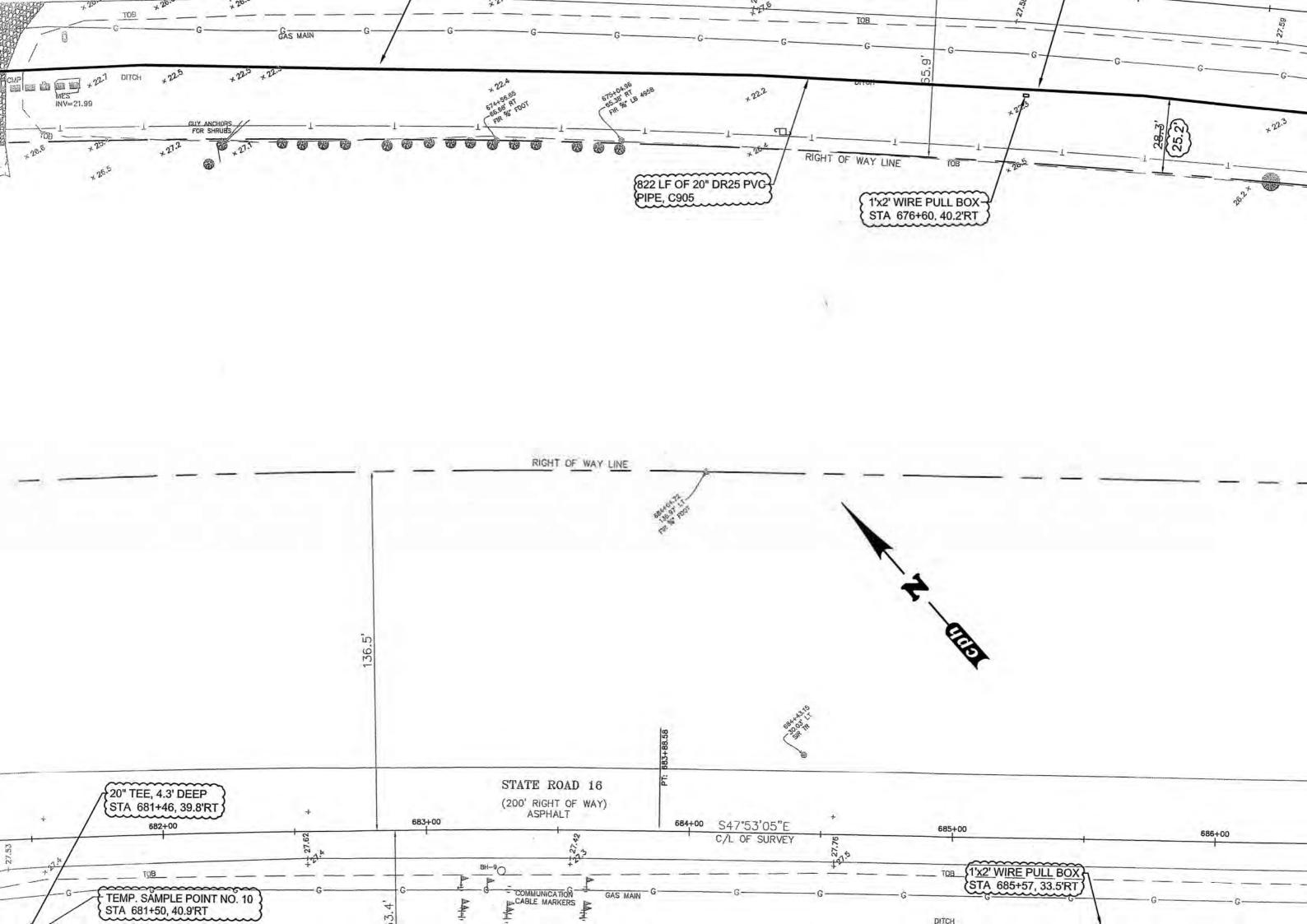


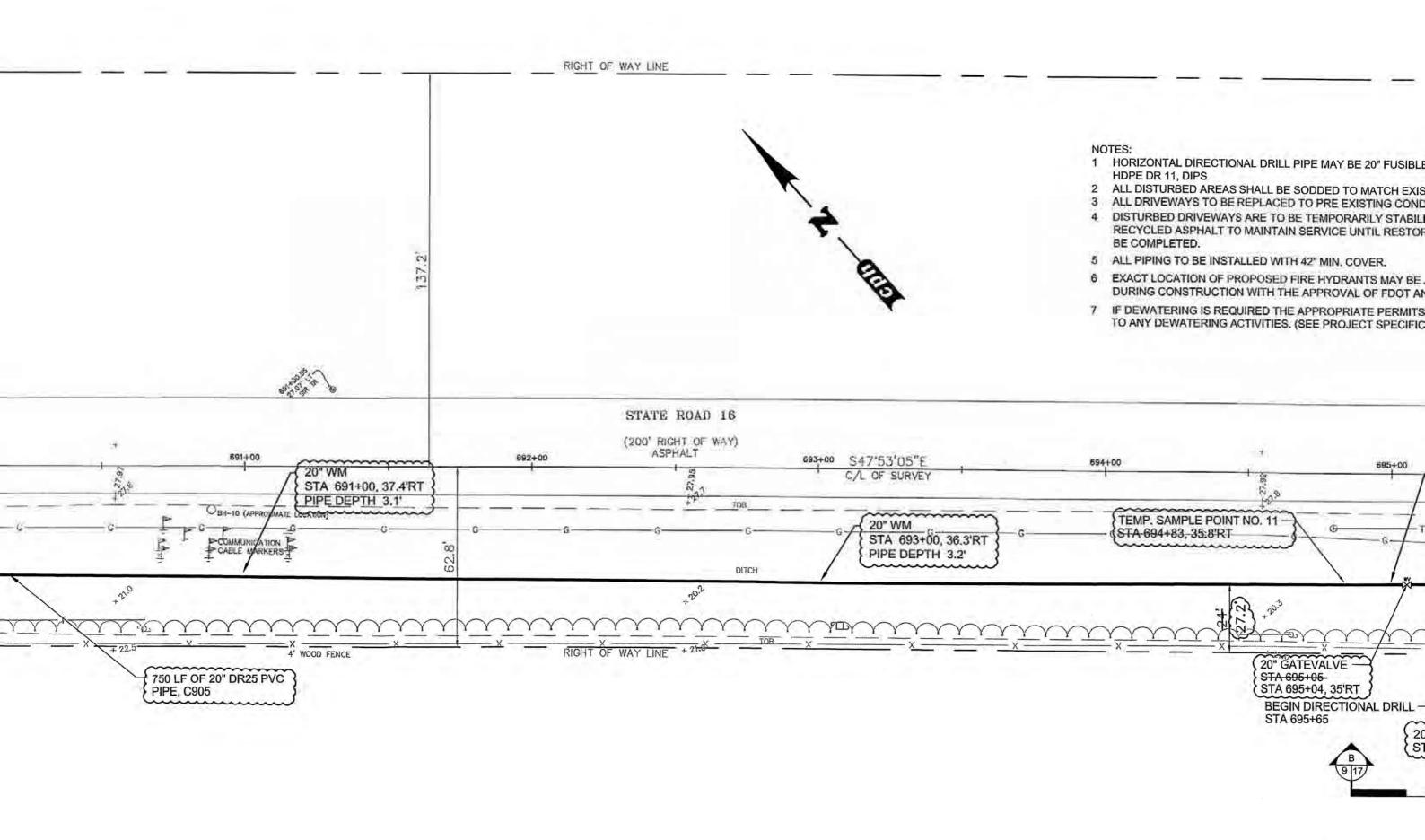


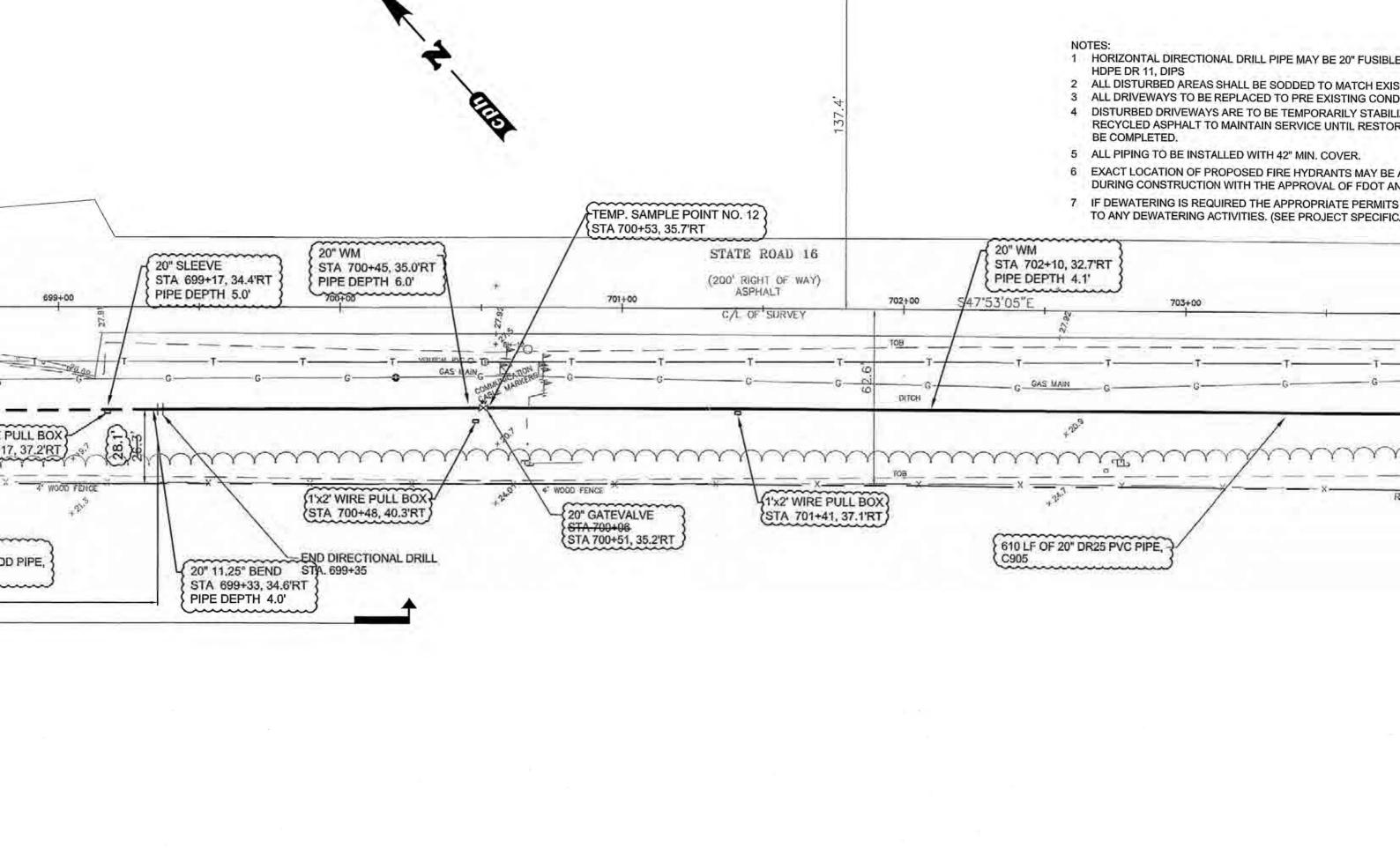


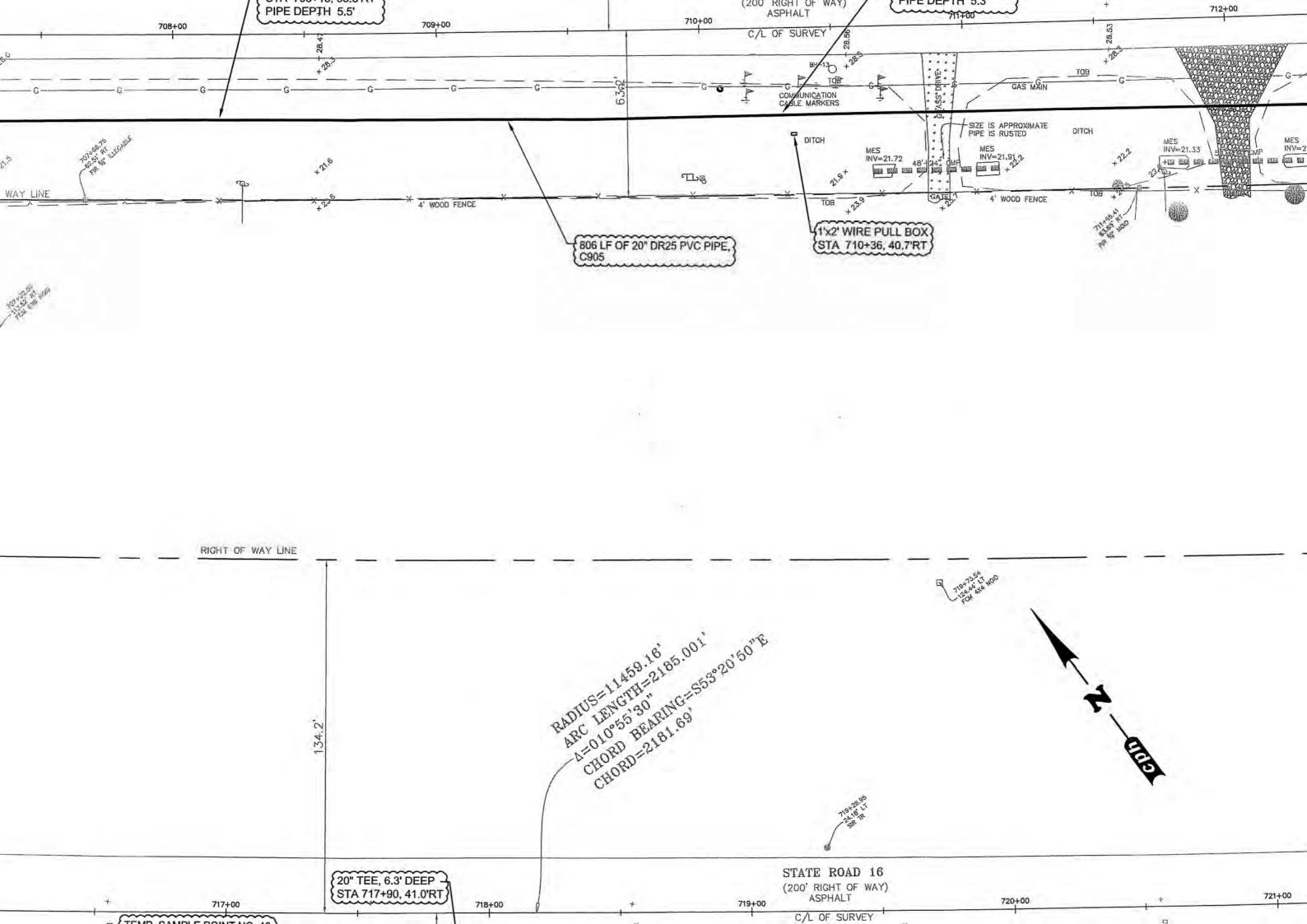


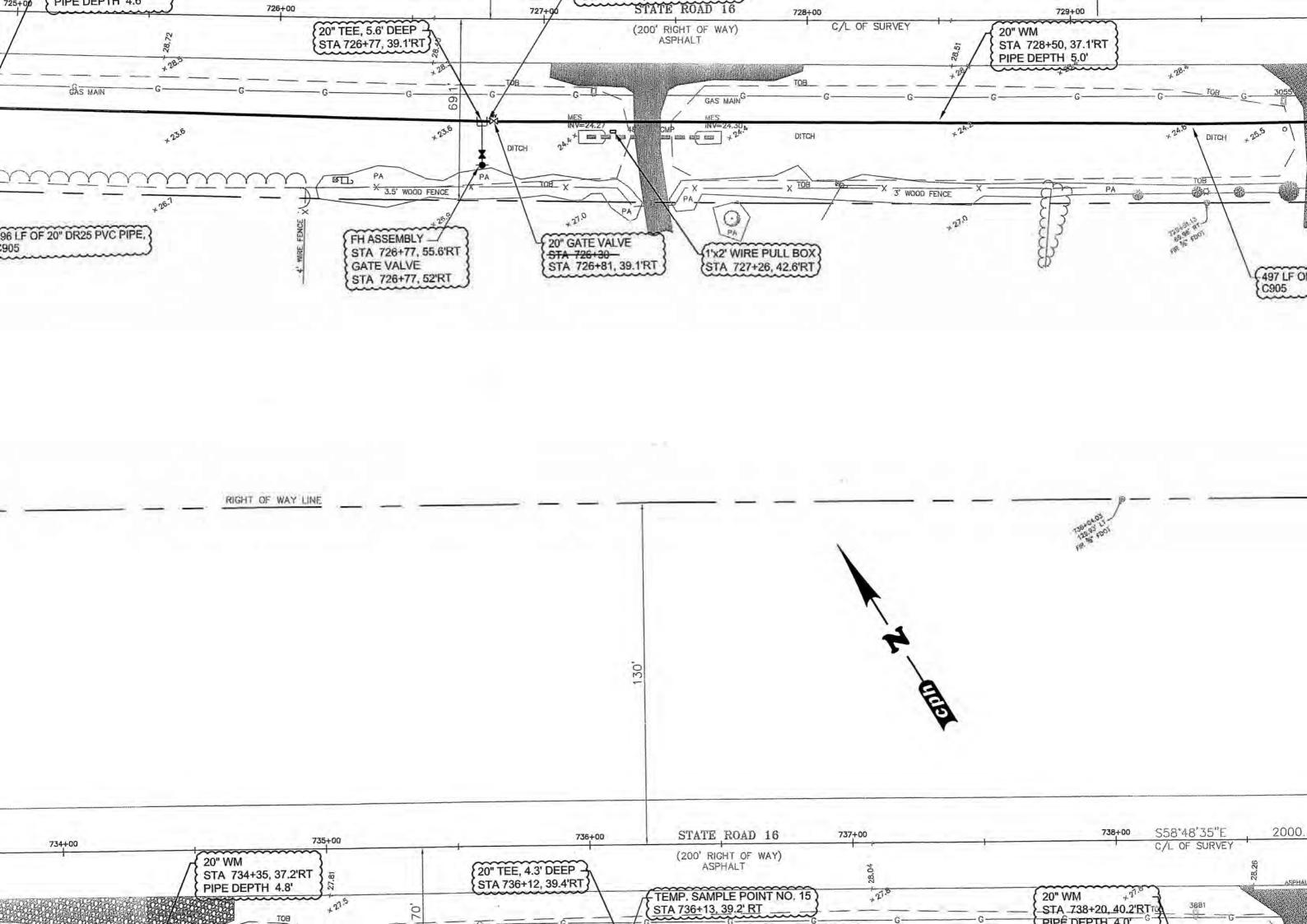


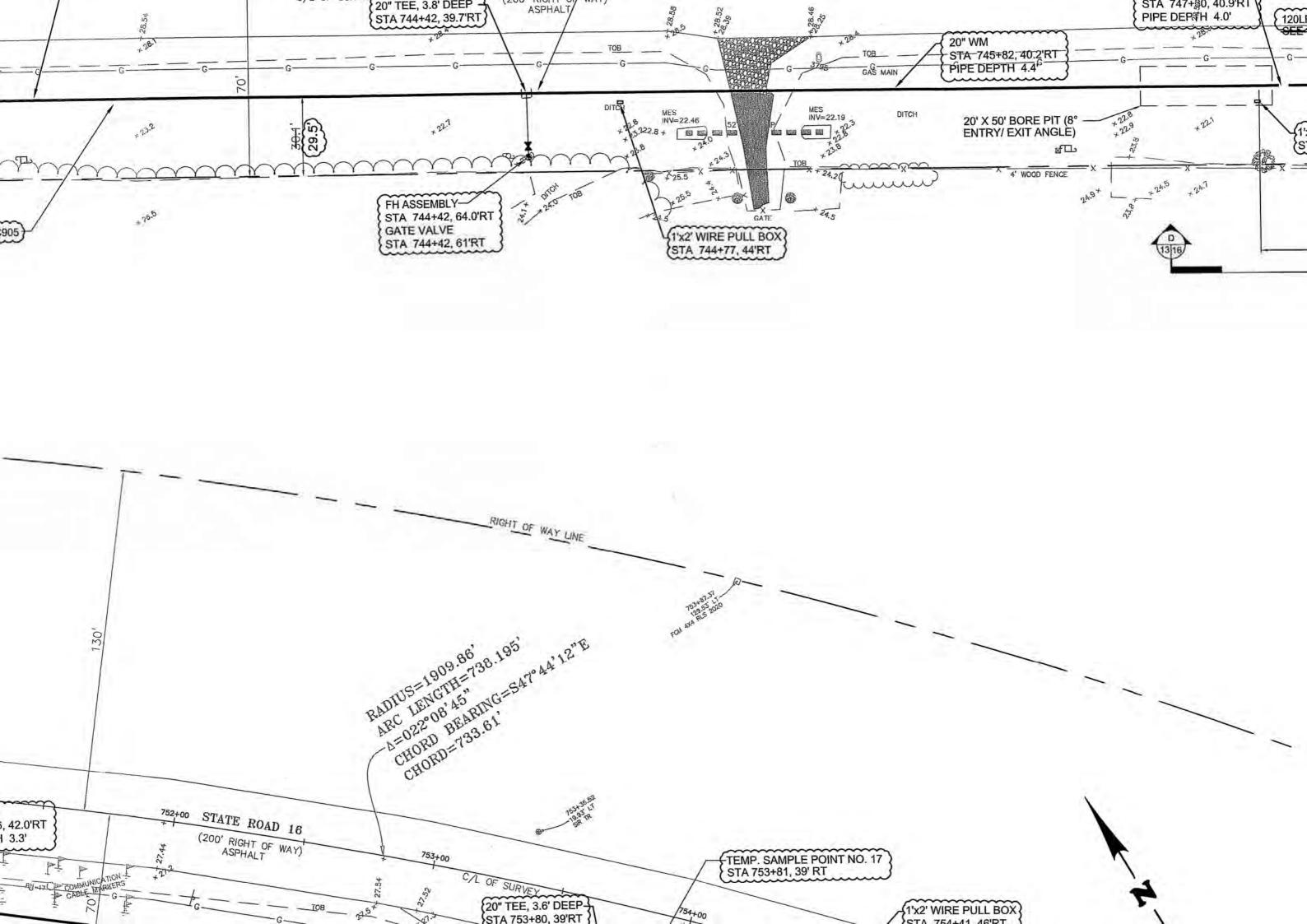


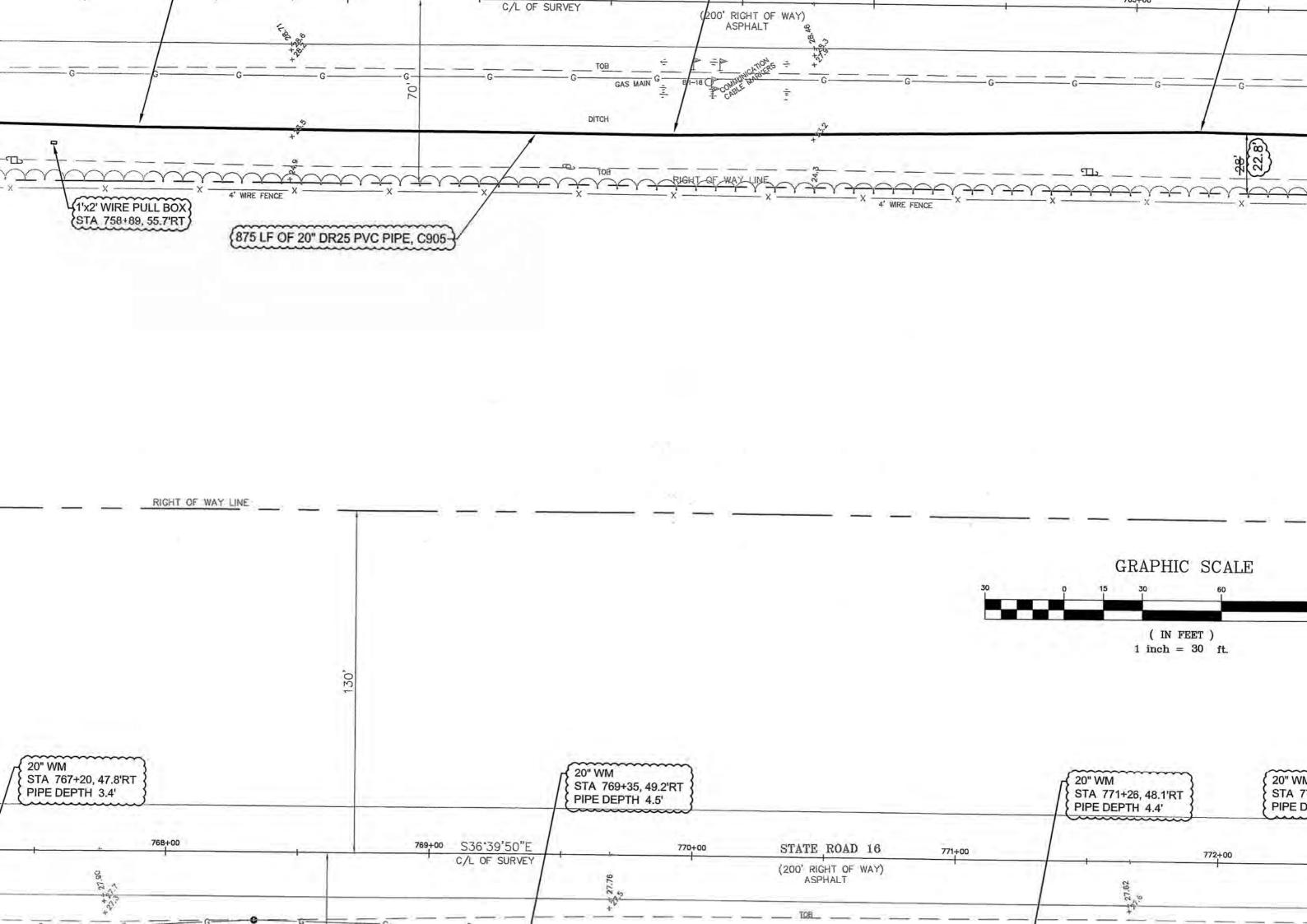


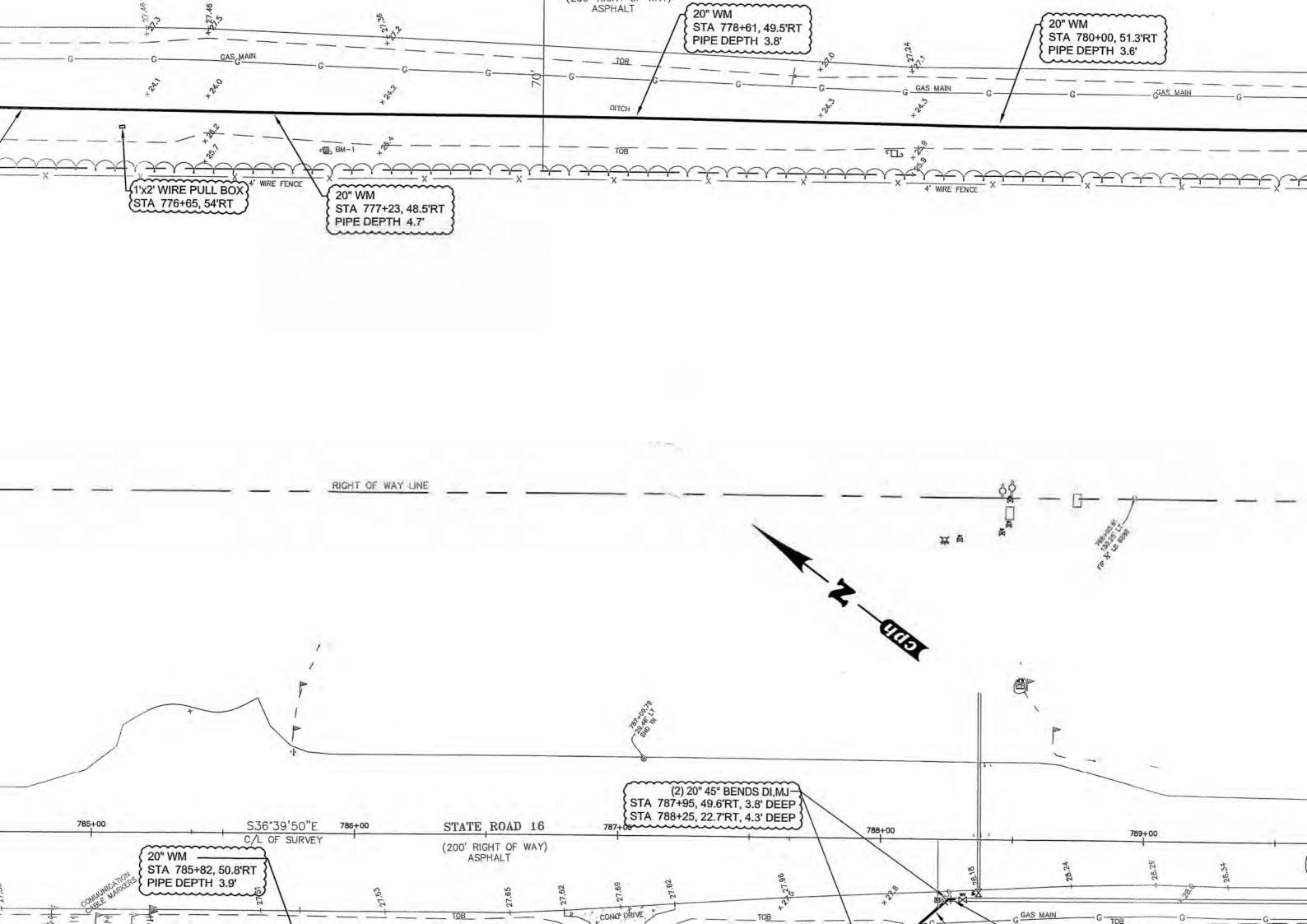


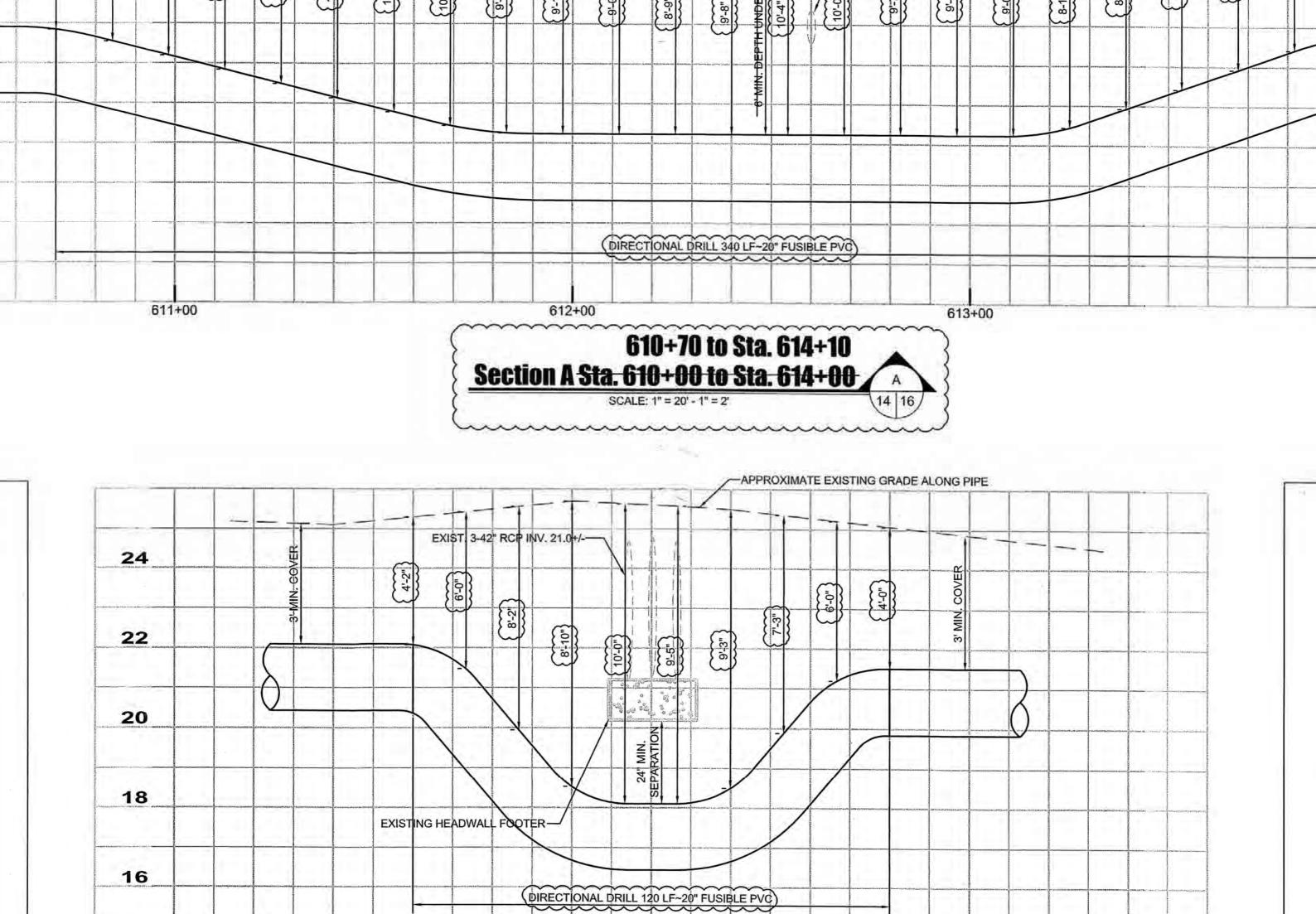


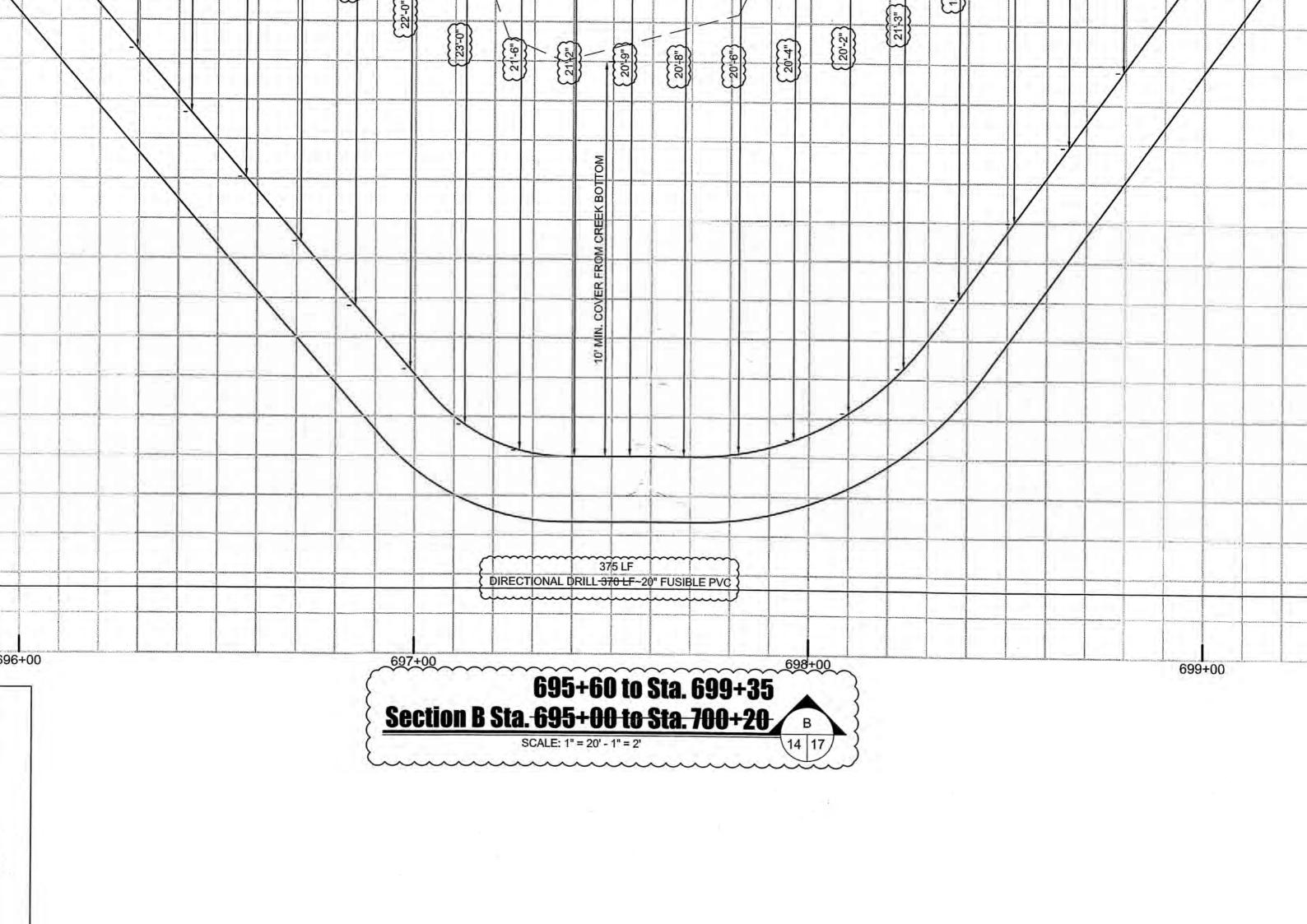












2015 MSW Windward Ranch **As Built Drawings**

I. JOHNS COUNTY, FLORIDA



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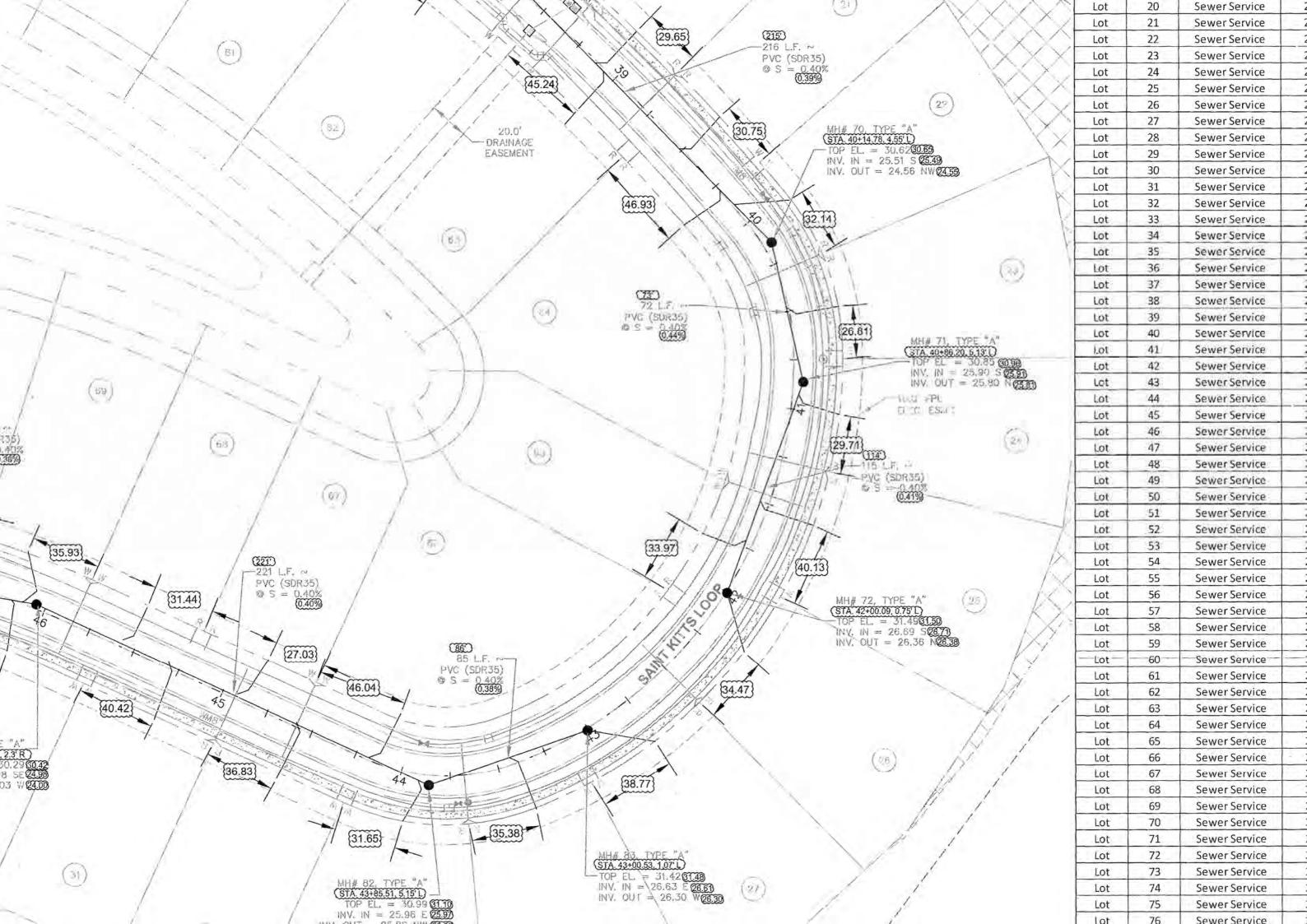
(Attached

AS-BUILT

INFORMATION PROVIDED BY

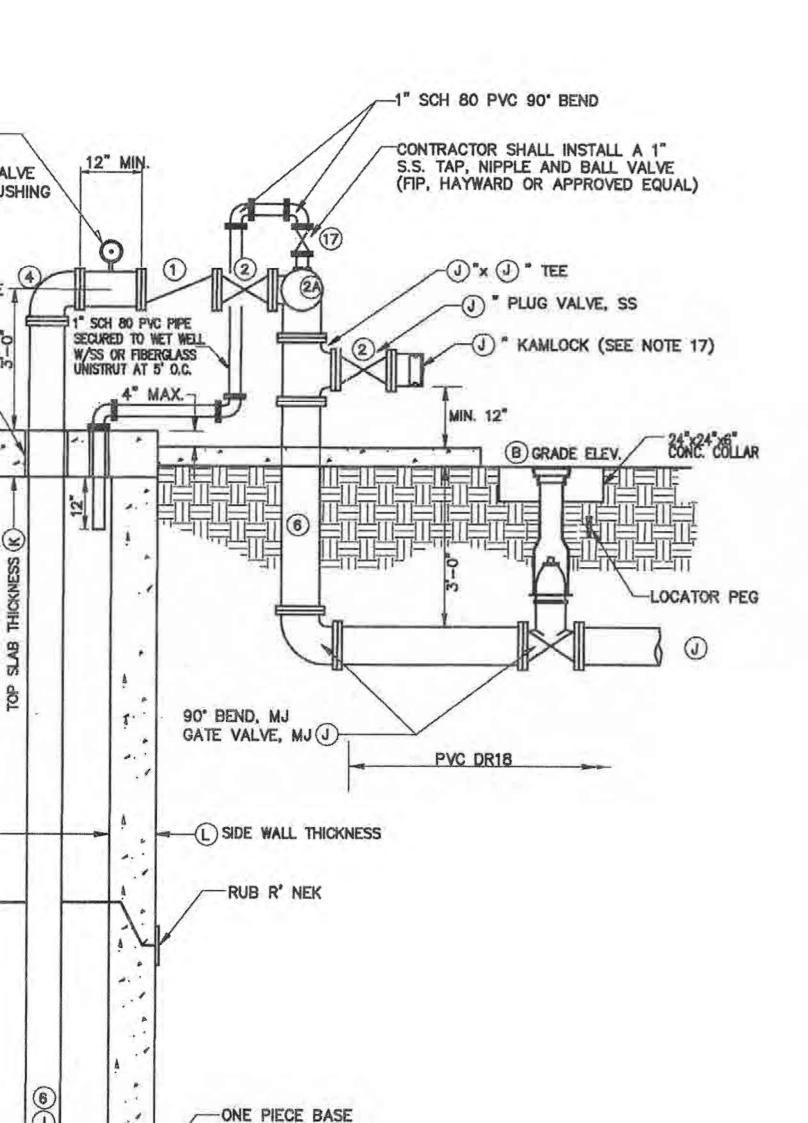








FM-2013	CL 8"X4" REDUCER	18+
FM-2014	CL 8" 45° BEND	18+
FM-2015	CL 8" 45° BEND	184
FM-2016	CL 8"X6" REDUCER	184
FM-2017	CL 6" X4" TEE	184
FM-2018	CL 6"X4" REDUCER	18-
FM-2019	CL 4" GATE VALVE	18-
FM-2020	CL 4" GATE VALVE	18-
FM-2021	CL 4" 45° BEND	18-
FM-2022	CL 4" 45° BEND	18-
FM-2023	CL 4" 90° BEND	18-
FM-2024	CL 4" GATE VALVE	18-
FM-2025	CL 2" FLUSHING HYDRANT	24-
FM-2026	CL 2" FLUSHING HYDRANT	19-
FM-2027	CL 8" AIR RELEASE VALVE	12-



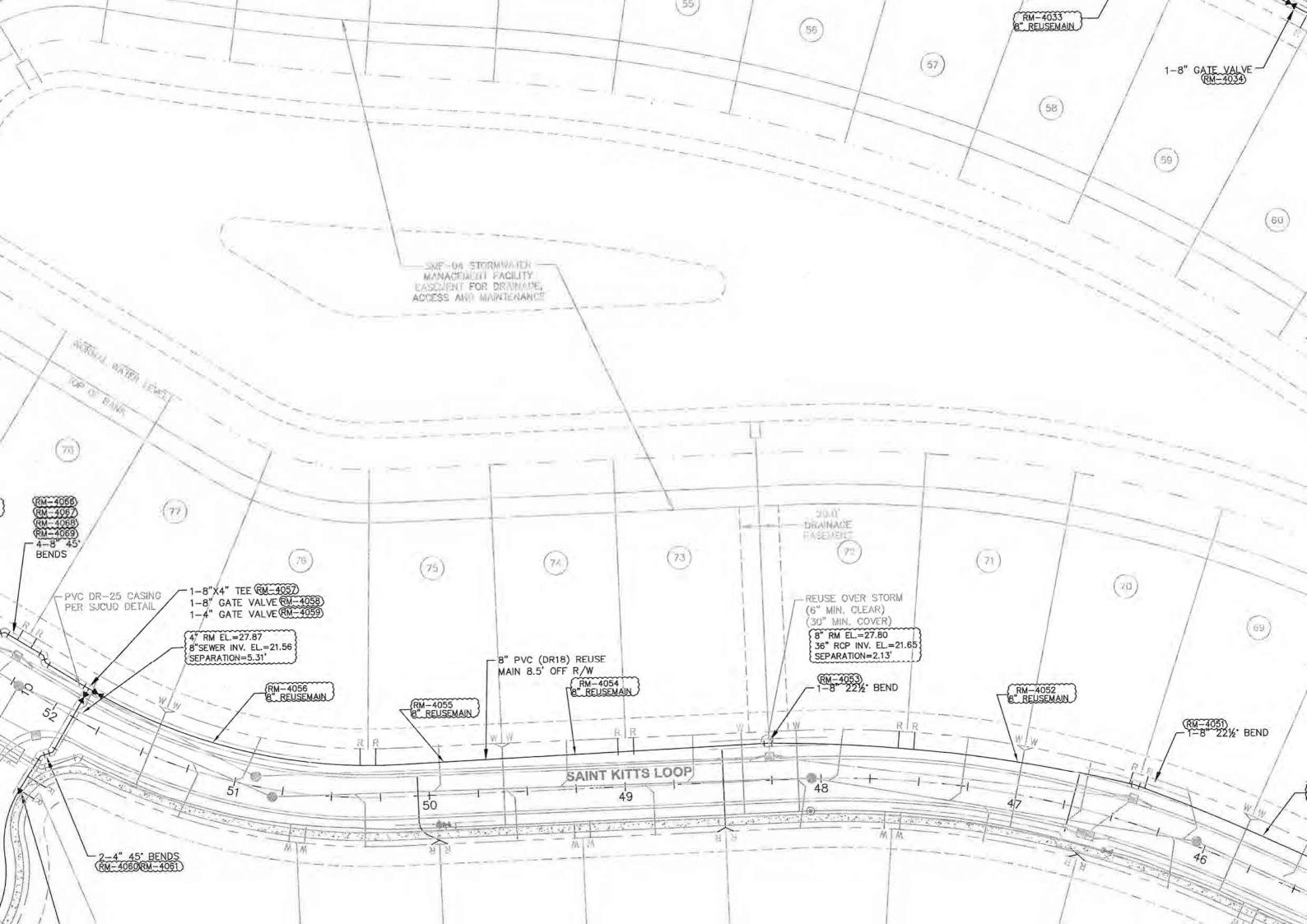
NUMBER OF PUMPS	**
PUMP MANUFACTURER	FLYGT
PUMP MODEL NP 3153	
MOTOR N 3153.181	
IMPELLER ID 276 MM	
DISCHARGE 4" MC	A pro-
	LTS 3 PHASE 60 HZ
	GPM_AT112.8_FT.TDH
	GPM AT 119.6 FT. TDH
PUMP ACCESS HATCH	

MECHANICAL EQUIPMENT SCHEDULE

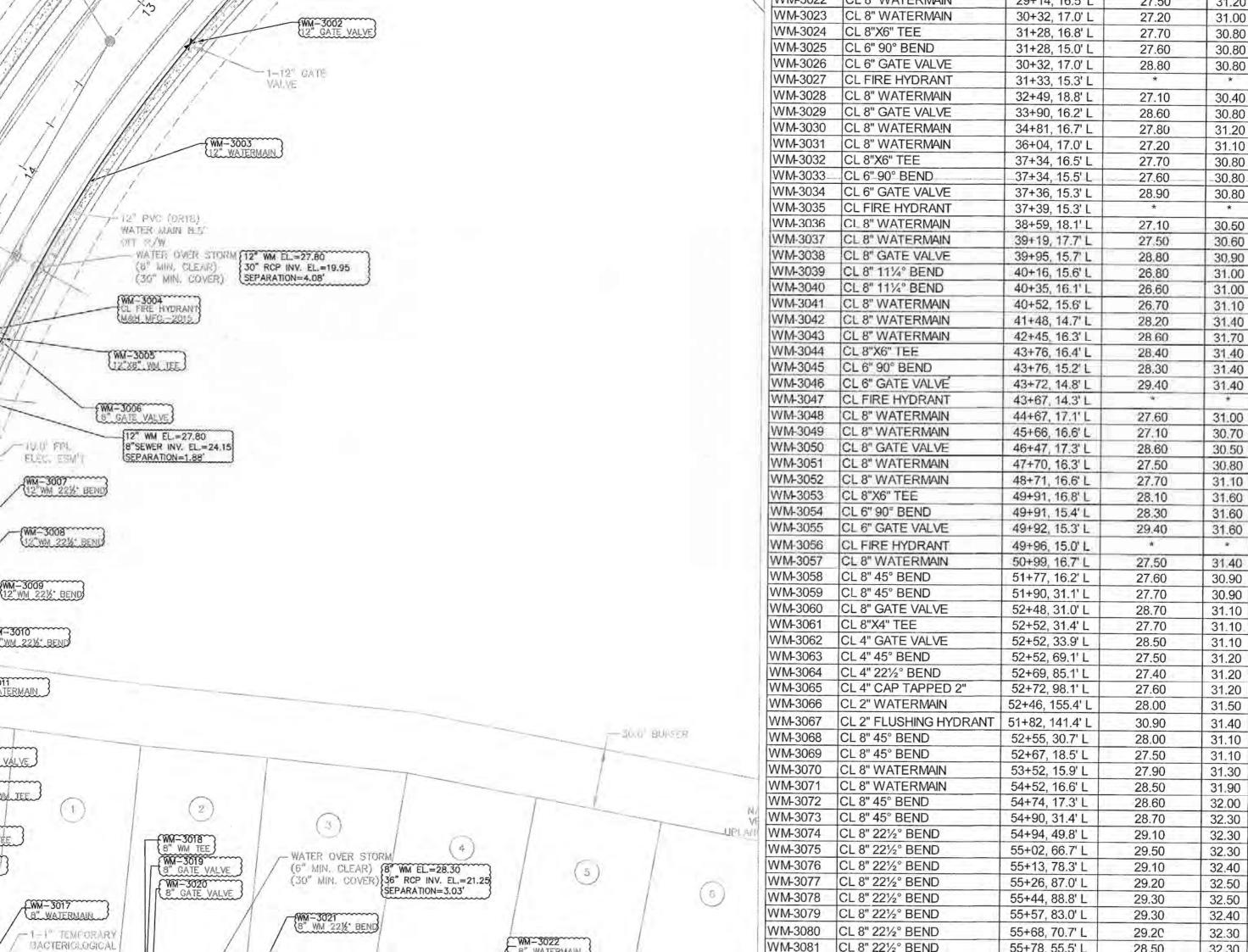
- 1) CHECK VALVE, MUELLER OR MACH SWING-TYPE LEVER FACING OUTSIDE, LEVER & SPRING OPERATED, IRON BODY, BRONZE MOUNTED
- 2) PLUG VALVE, DEZURIK, CAST IRON BODY, LEVER ACTUATED
- CONTRACTOR TO INSTALL PRESSURE SENSOR, ONYX, PART #160-0400-22-09-03, PSW-STAINLESS STEEL, VITRON SEAL, SILICON FILL W/ 1/2" NPT CONNECTION INCLUDING A PRESSURE TRANSMITTER, ABB PART #264HSPSBA1 CALIBRATOR 0-150 PSI (OR S.J.C.U.D. APPROVED EQUAL)
- (3) STAINLESS STEEL TEE
- 4) STAINLESS STEEL SHORT RADIUS 90' BEND
- (5) STAINLESS STEEL 45' BEND
- 6 316 STAINLESS STEEL PIPE (SCH 10)
- 7) DUCTILE IRON PUMP BASE
- 8) INFLUENT PIPE (SEE PLANS)
- 9) CONCRETE WETWELL
- 10 FLYGT PUMP (AS APPROVED BY ST. JOHNS COUNTY UTILITY DEPARTMENT)
- (1) ALUMINUM WETWELL ACCESS COVER (OPENING PER PUMP MANUFACTURER)
- (12) STAINLESS STEEL GUIDE RAILS
- 13 LEVEL TRANSDUCER, HIGH AND LOW ALARM FLOATS PROVIDED BY PUMP MANUFACTURER
- (14) PUMP MOTOR CABLE
- (15) 4" TEE SCHEDULE 80 PVC AIR VENT WITH PROTECTIVE SCREENS
- (6) STAINLESS STEEL CABLE HOLDER
- 1" STAINLESS BLOW OFF LINE TO WETWELL-SECURE LINE TO WETWELL SLAB W/ UNISTRUT.
- 18 1/4" STAINLESS STEEL WITH 18" OF CHAIN LINKS (FLYGT GRIP EYE

A.









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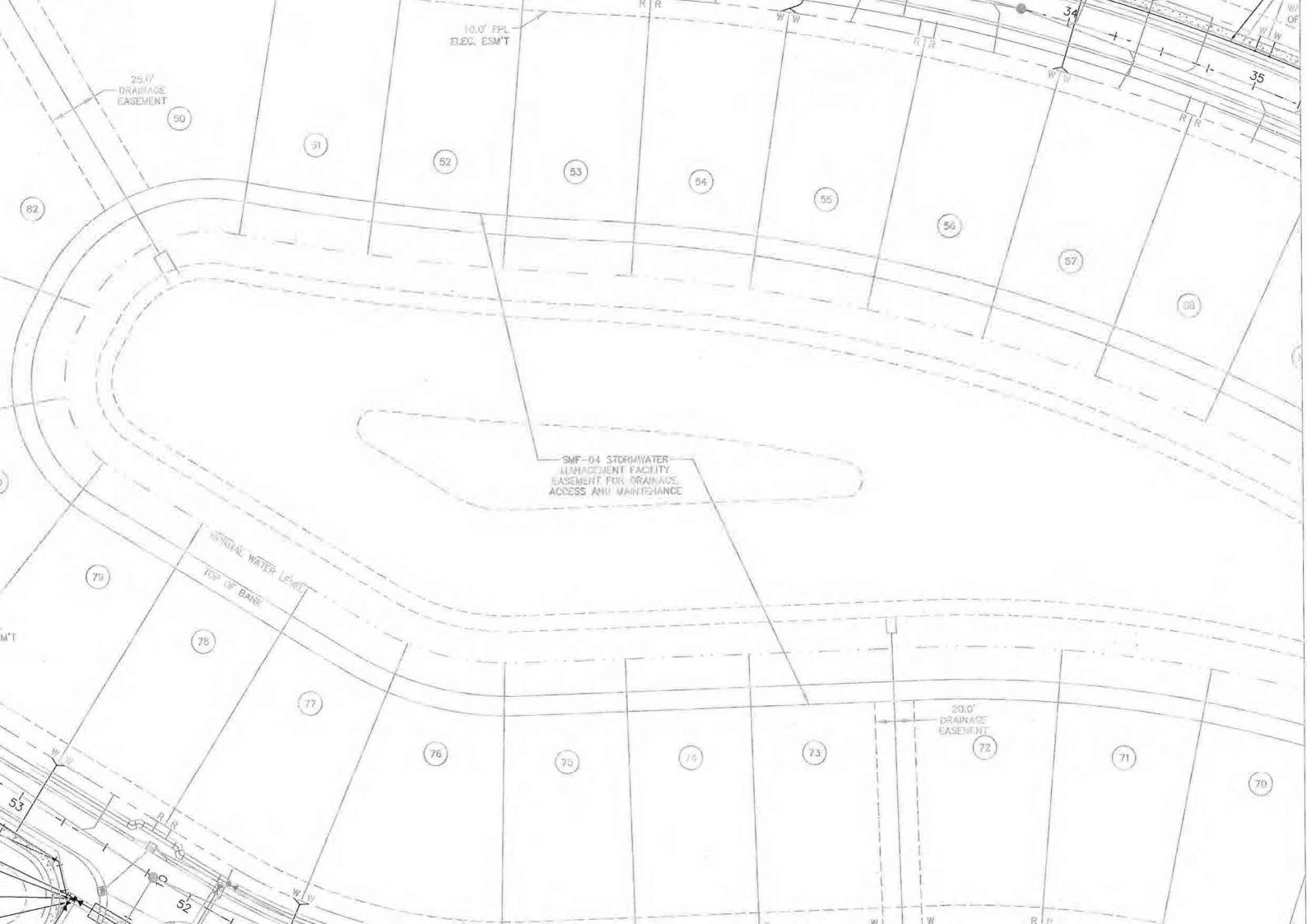
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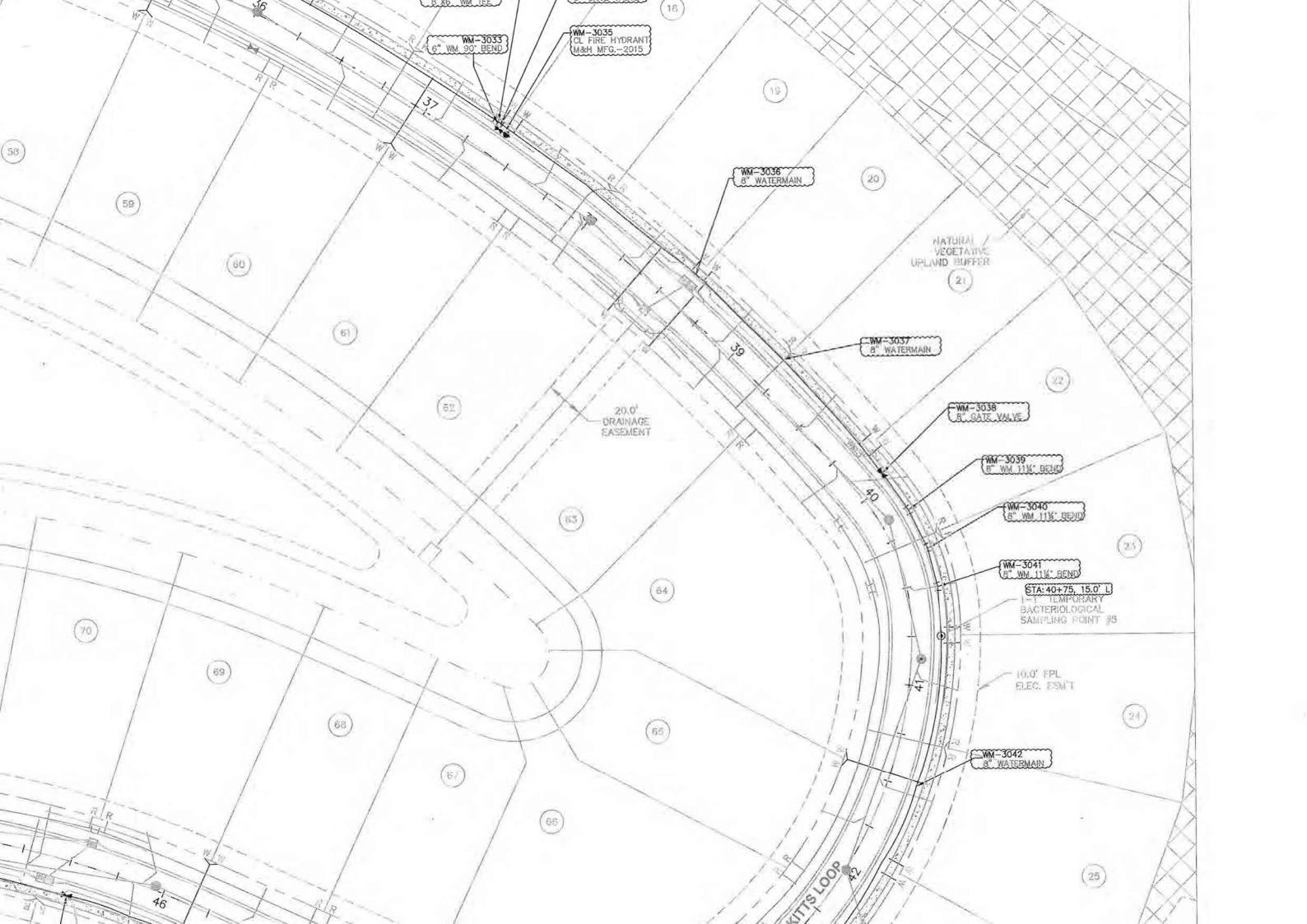
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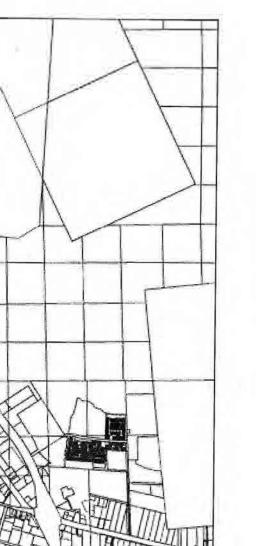
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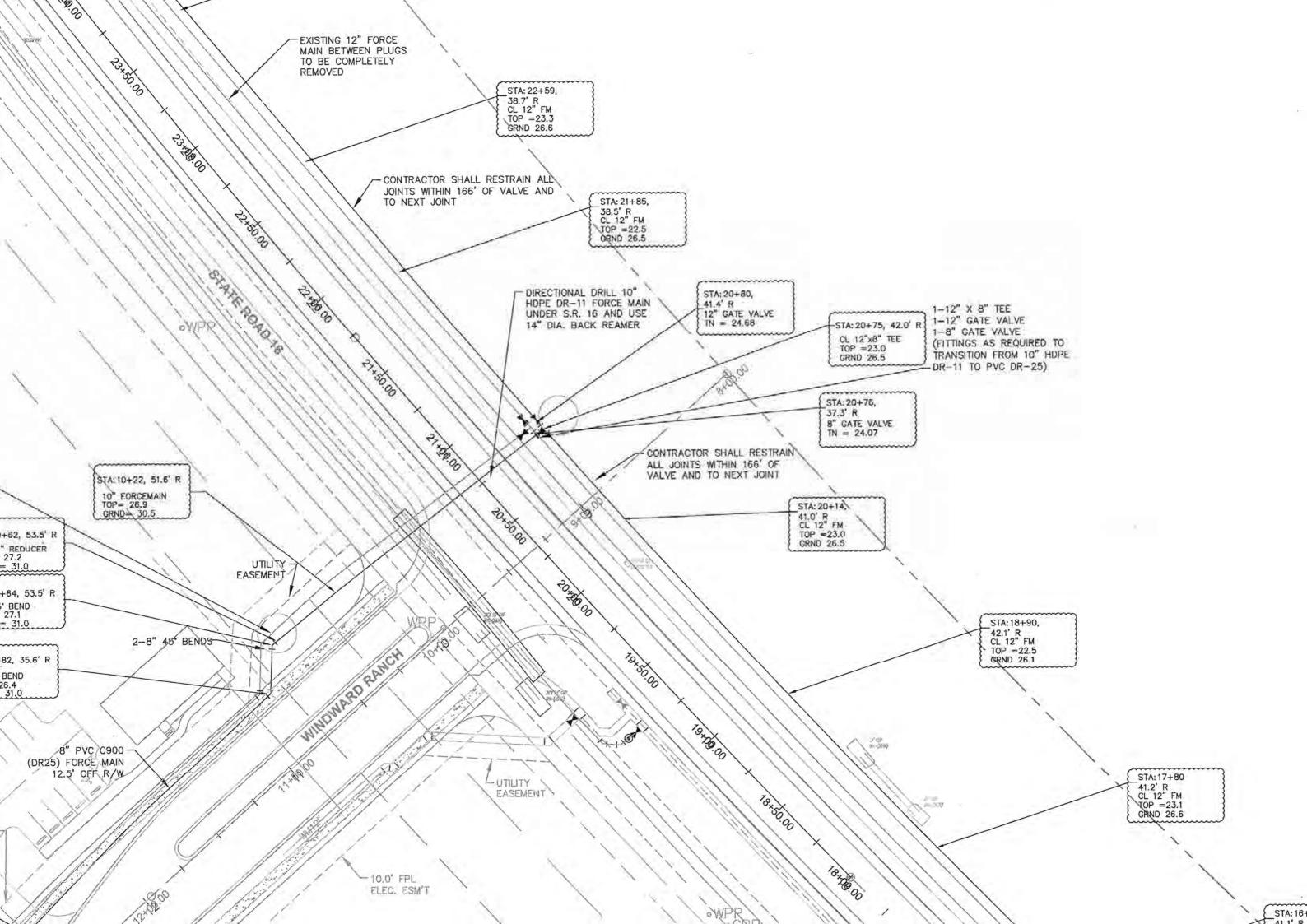


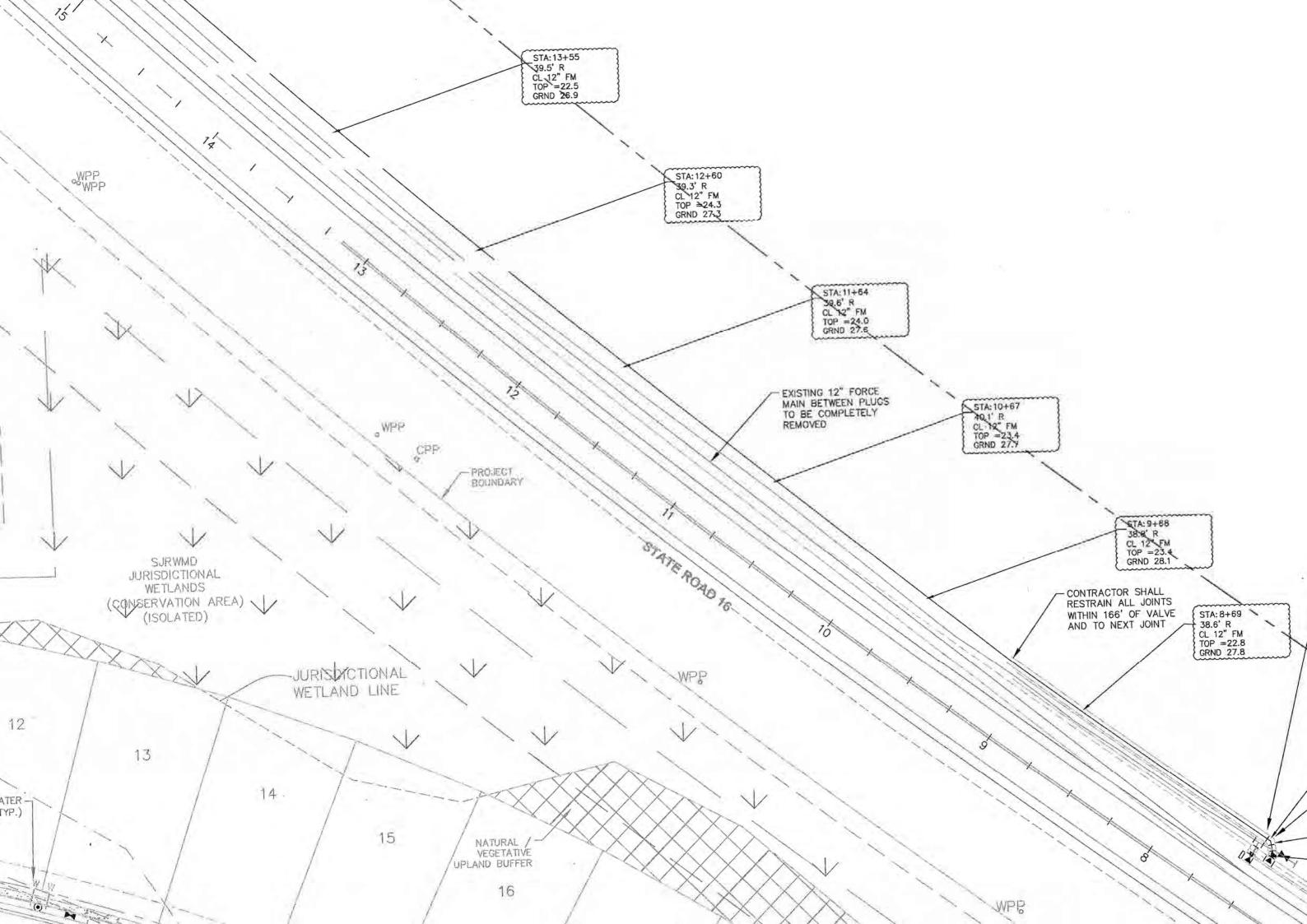
OFFSITE UTILITY AS-BUILT T. JOHNS COUNTY, FLORIDA

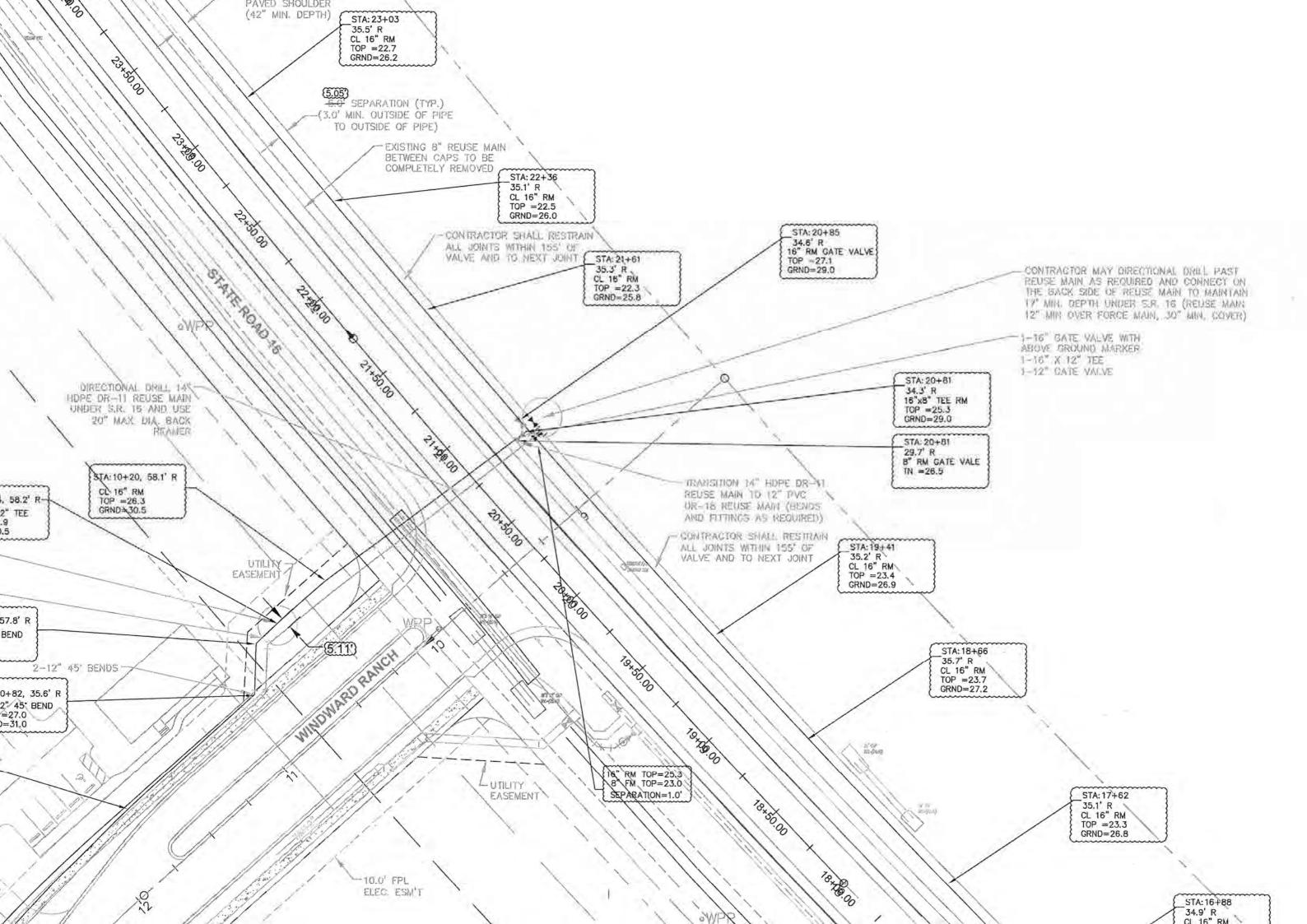


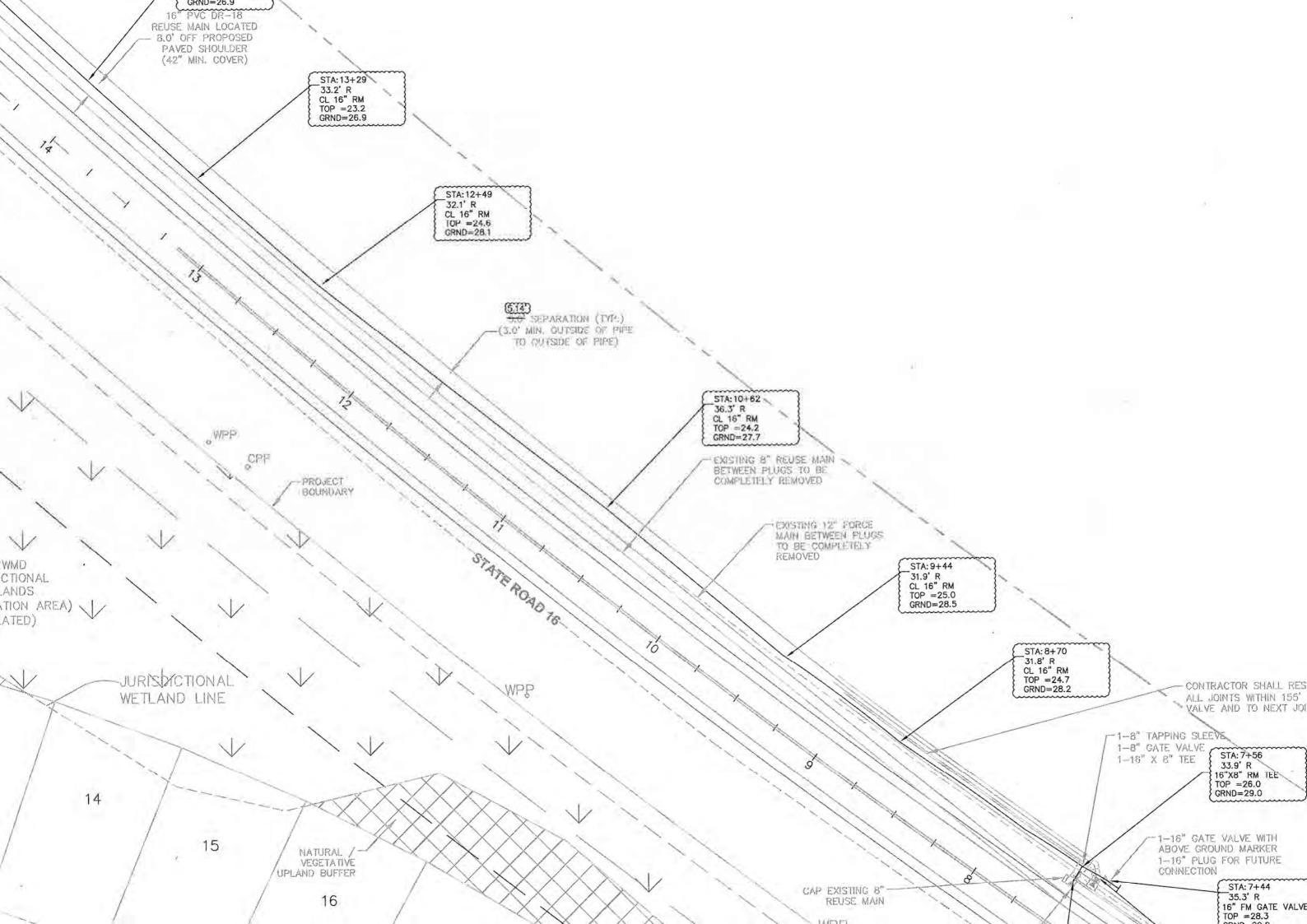
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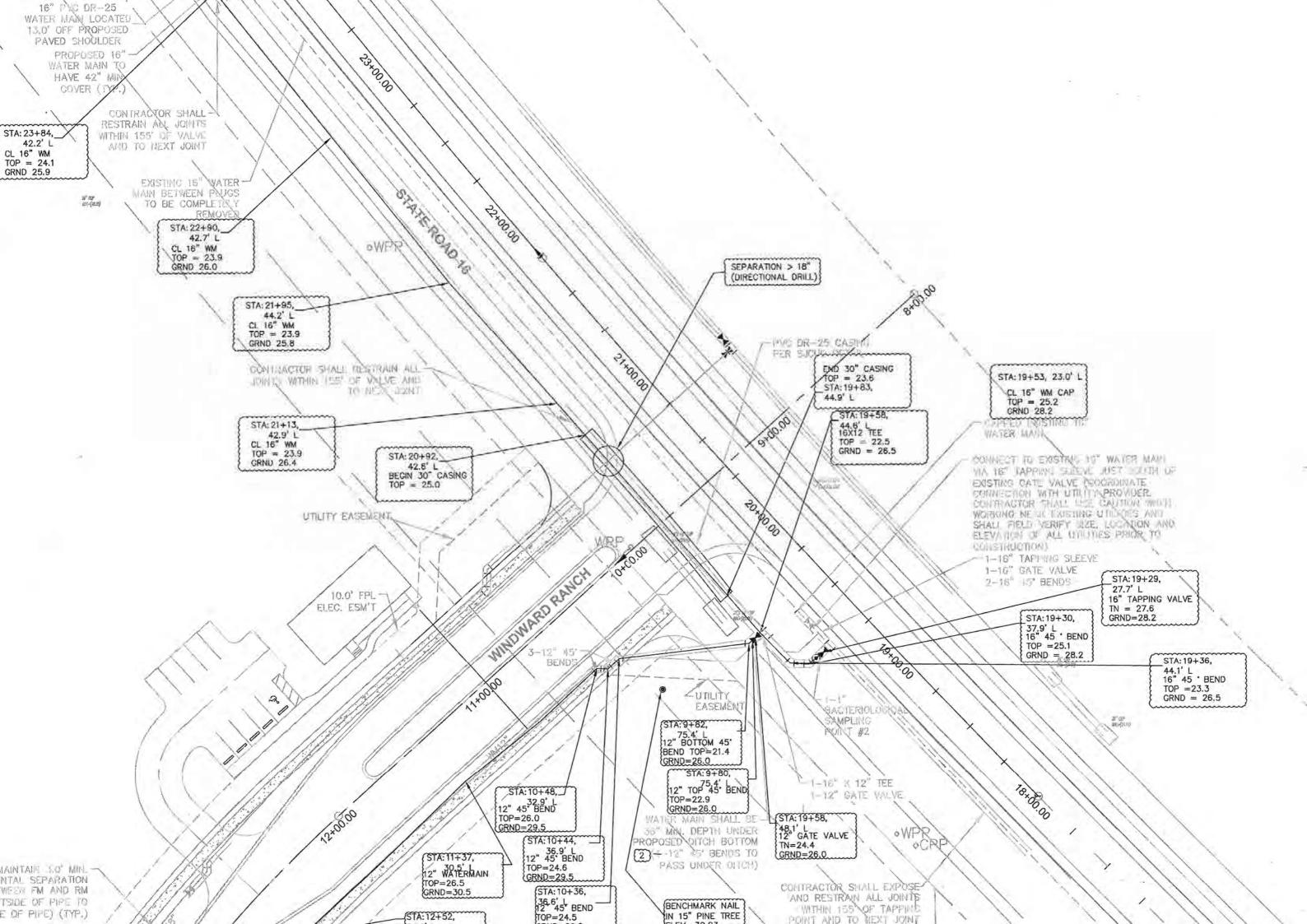
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2017 NW Park Place Water-Sewer As Built Drawings

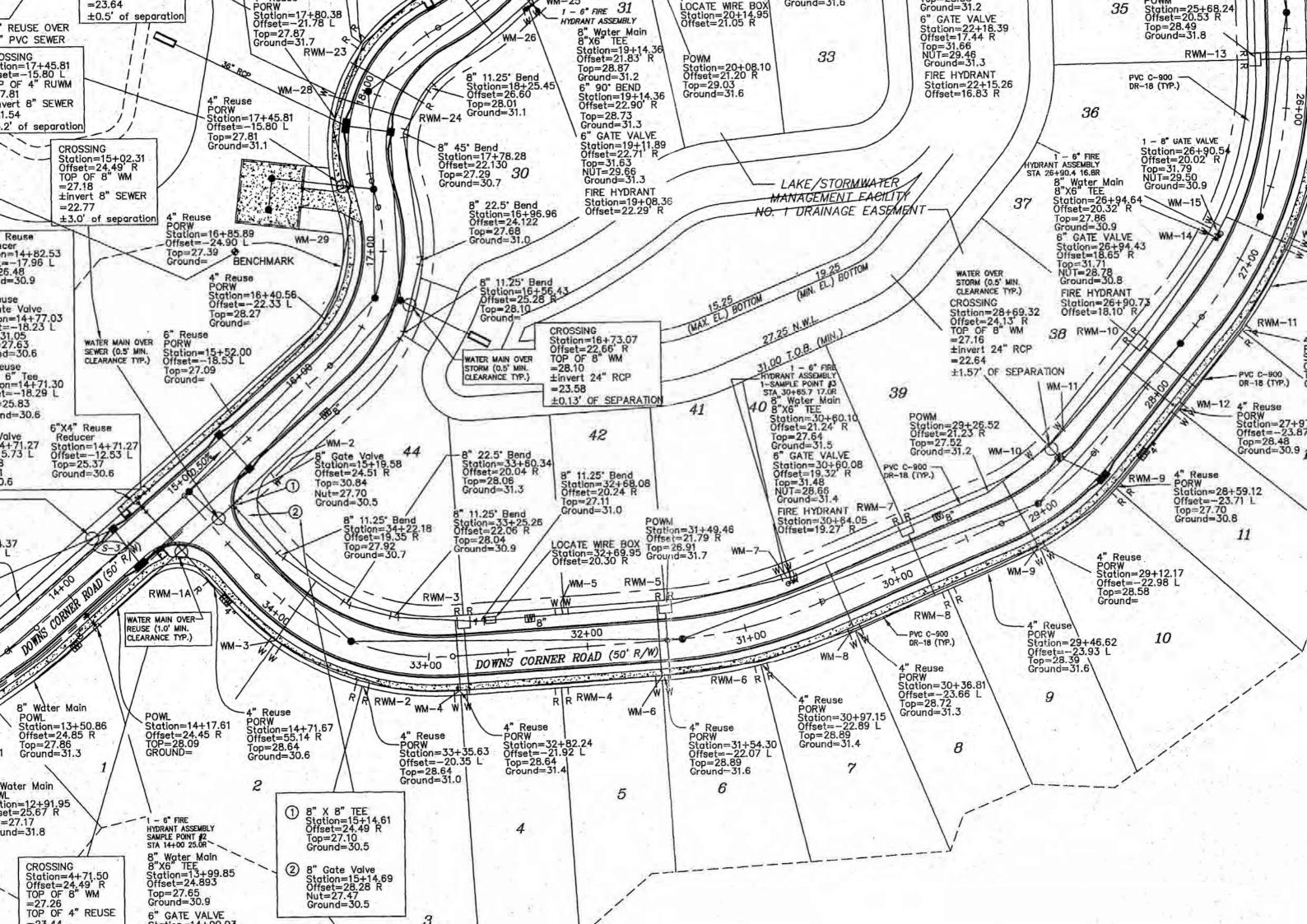
PUD 2006-34 FOR

HRHR, L.L.C.

4314 PABLO OAKS COURT JACKSONVILLE, FLORIDA 32256 (904) 992-9750

ST. JOHNS COUNTY, FLORIDA





FOR

HRHR, L.L.C.

4314 PABLO OAKS COURT JACKSONVILLE, FLORIDA 32256 (904) 992-9750

ST. JOHNS COUNTY, FLORIDA

GRAVITY SEWER, FORCE MAIN AND LIFT STATION AS BUILT



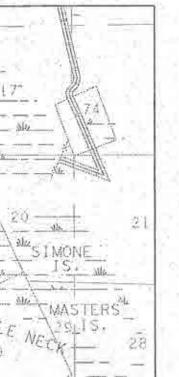
PUD 2006-34 FOR

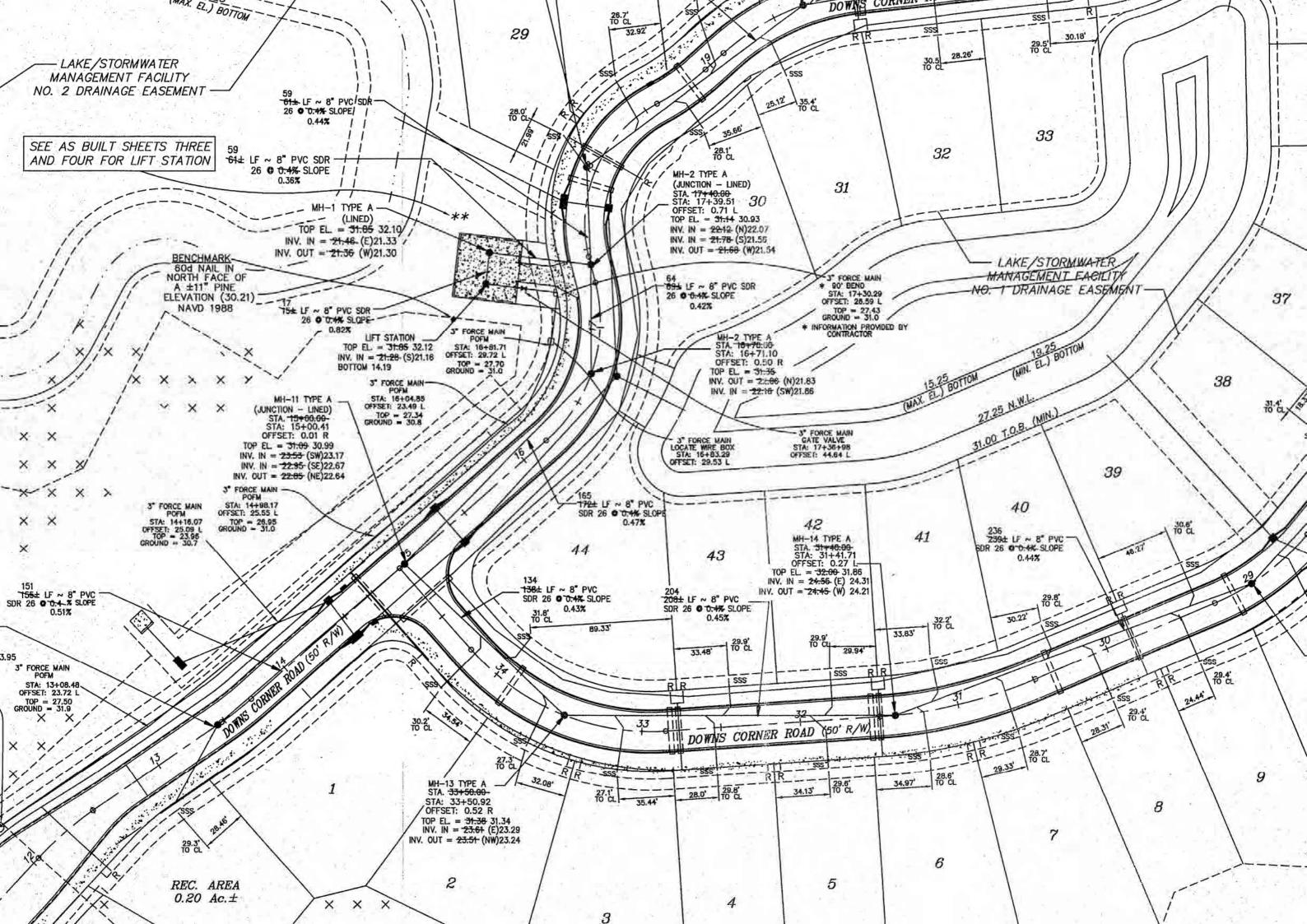
HRHR, L.L.C.

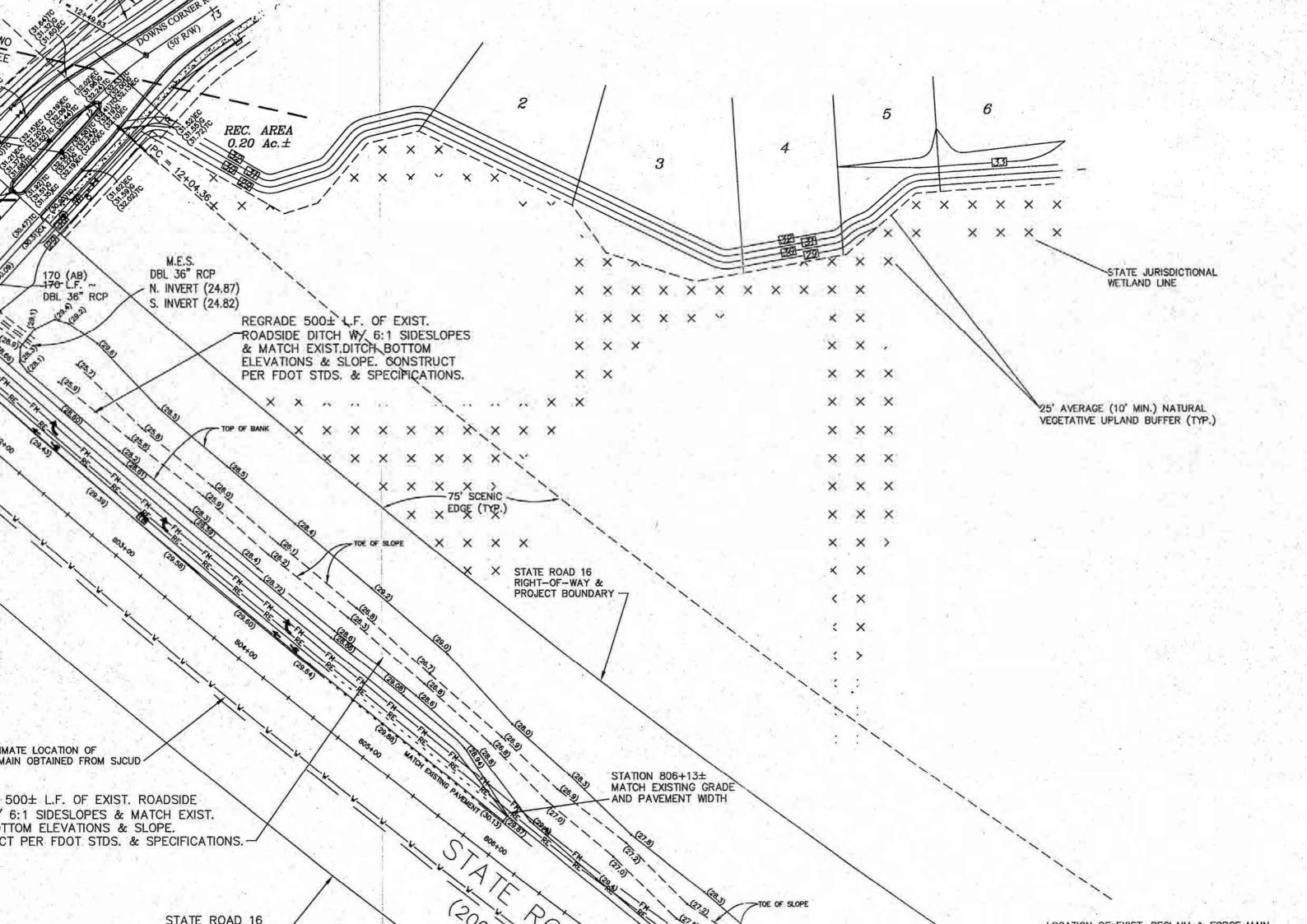
4314 PABLO OAKS COURT JACKSONVILLE, FLORIDA 32256 (904) 992-9750

ST. JOHNS COUNTY, FLORIDA



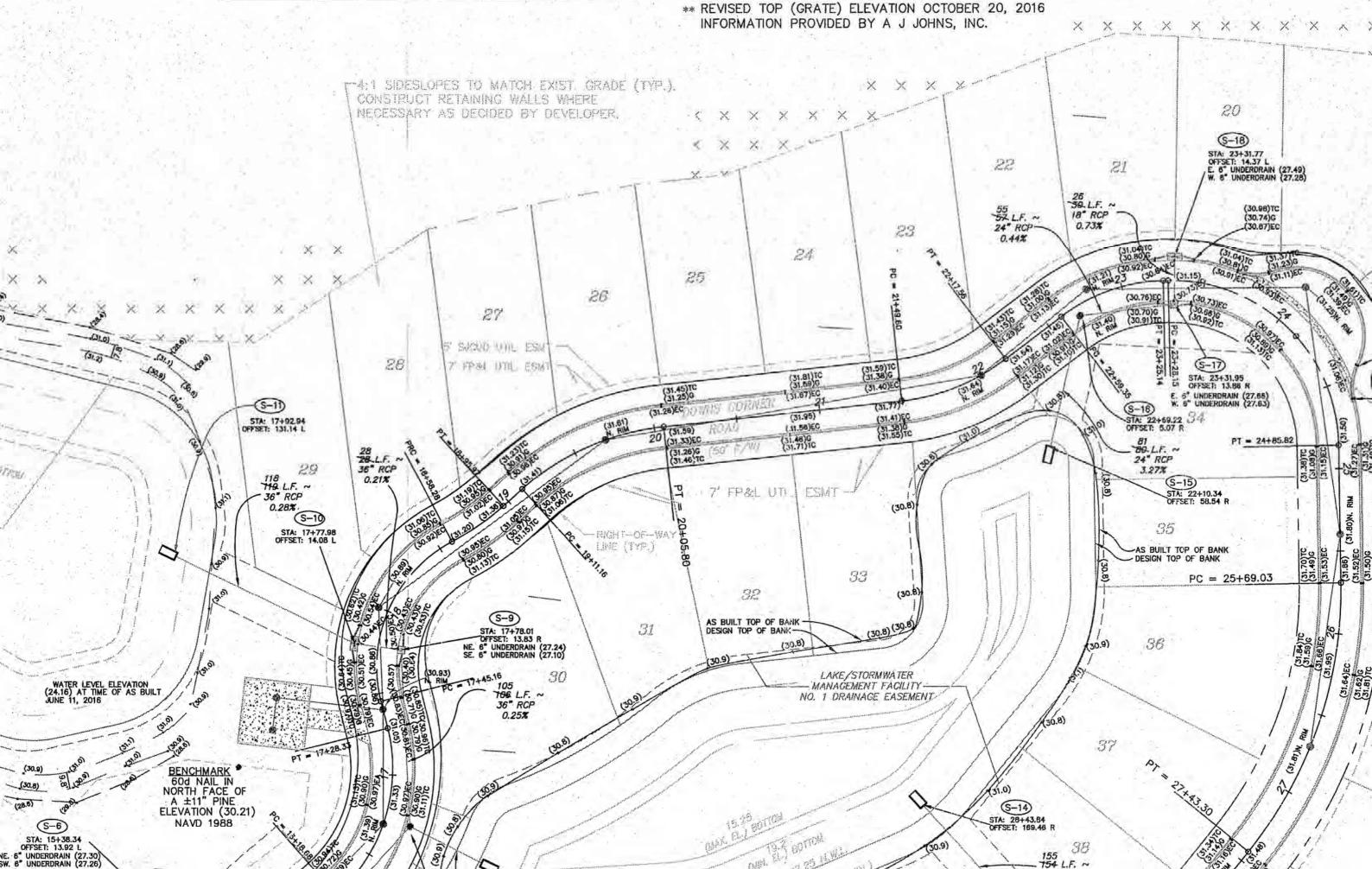


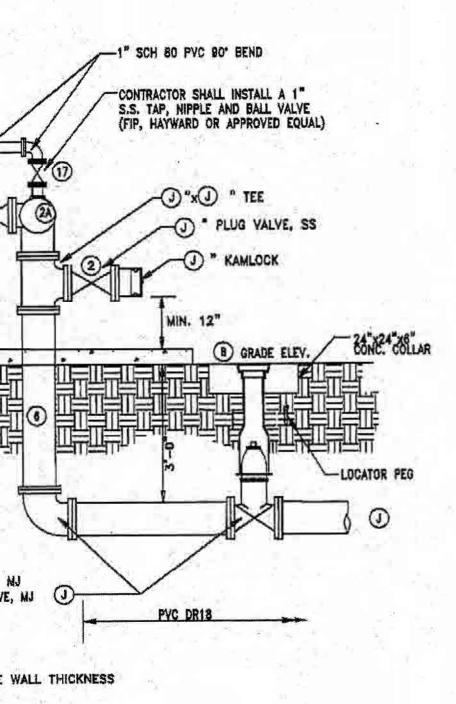




			1 /
S-18	DOUBLE CURB INLET	30.73	26.70 (S)
S-19	36" MES	-	21.00
S-20	CONTROL STRUCTURE	31.00	26.25 (N) 21.50 (S)
S-21	36" MES	-	26.00

S-18	DOUBLE CURB INLET	30.70	26.90 (S)	130
S-19	36" MES	- 1	20.86	
S-20	CONTROL STRUCTURE	-30.49 **30.58	25.79 (N) 21.07 (S)	
S-21	36" MES	* -	25.33	





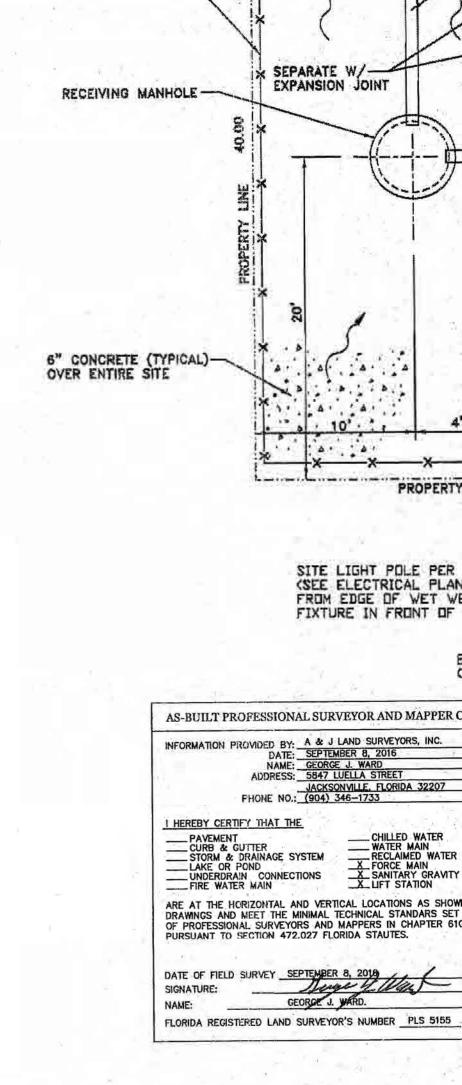
R' NEK

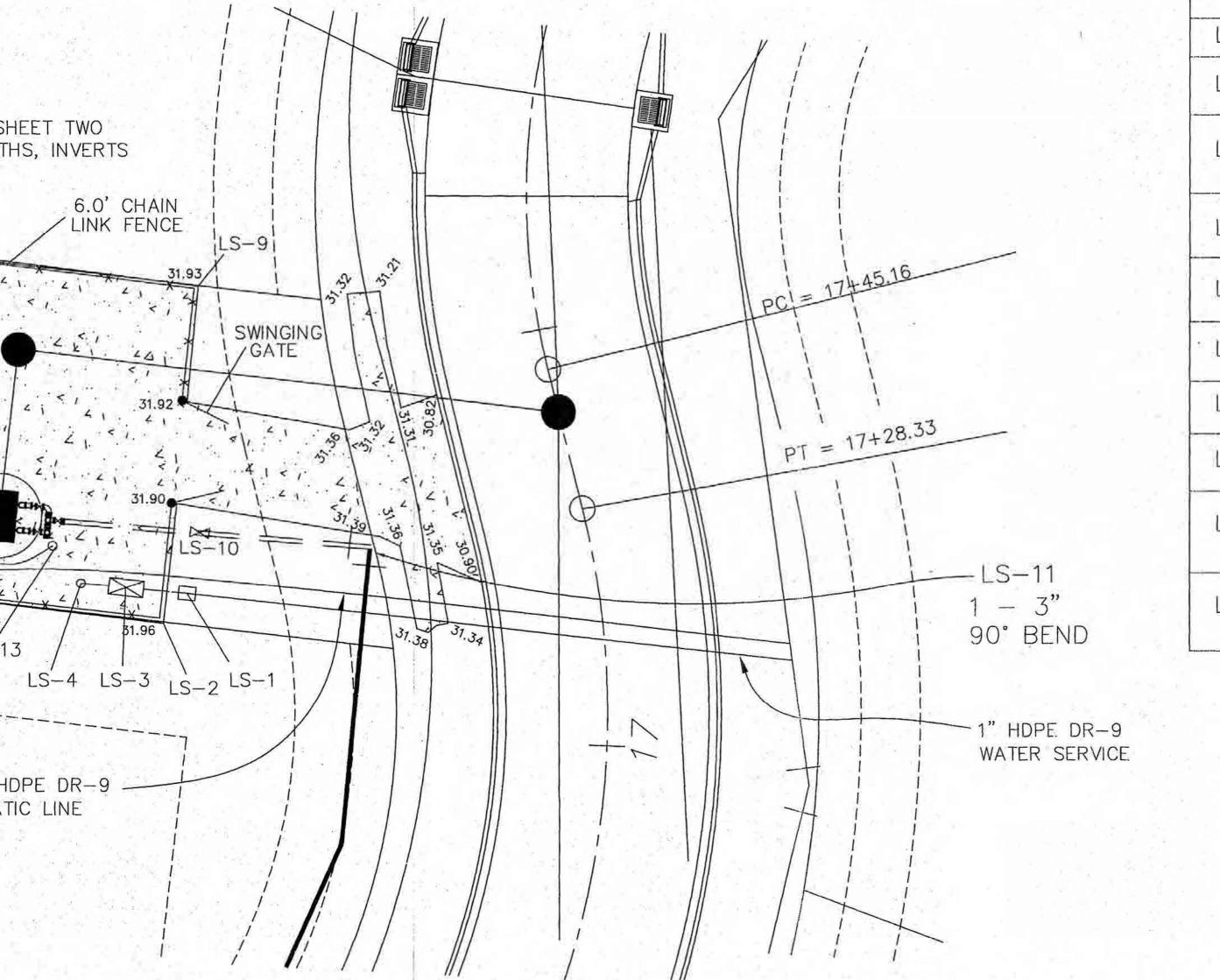
PIECE BASE

(Q) EMERGENCY SUCTION PIPING SIZE PUMP INFORMATION 2 NUMBER OF PUMPS FLYGT PUMP MANUFACTURER NON-CLOG SUBMERSIBLE MODEL MP 3102 IMPELLER 142 __ MOTOR RPM __3475 DISCHARGE _ HP 208 VOLTS 3 PHASE 60 __ GPM AT_104_FT.TDH DESIGN POINT ____ 36 OPERATING COND. 47 GPM AT 109 FT.TDH 3' PUMP ACCESS HATCH SIZE

MECHANICAL EQUIPMENT SCHEDULE

- CHECK VALVE, MUELLER OR MACH SWING-TYPE LEVER FACING OUTSIDE, LEVER & SPRING OPERATED, IRON BODY, BRONZE MOUNTED
- 2) PLUG VALVE, DEZURIK, CAST IRON BODY, LEVER ACTUATED
- CONTRACTOR TO INSTALL PRESSURE SENSOR, ONYX, PART #160-0400-22-09-03, PSW-STAINLESS STEEL, VITRON SEAL, SILICON FILL W/ 1/2" NPT CONNECTION INCLUDING A PRESSURE TRANSMITTER, ABB PART #264HSPSBA1 CALIBRATOR 0-150 PSI (OR S.J.C.U.D. APPROVED EQUAL)
- (3) STAINLESS STEEL TEE
- 4) STAINLESS STEEL SHORT RADIUS 90" BEND
- STAINLESS STEEL 45" BEND
- 6) 316 STAINLESS STEEL PIPE (SCH 10)
- DUCTILE IRON PUMP BASE
- 8) INFLUENT PIPE (SEE PLANS)
- (9) CONCRETE WETWELL
- FLYGT PUMP (AS APPROVED BY ST. JOHNS COUNTY UTILITY DEPARTMENT)
 NON-CLOG SUBMERSIBLE, 3"
- 1) ALUMINUM WETWELL ACCESS COVER (OPENING PER PUMP MANUFACTURER)
- (2) STAINLESS STEEL GUIDE RAILS
 - 3) LEVEL TRANSDUCER, HIGH AND LOW ALARM FLOATS PROVIDED BY PUMP MANUFACTURER
- 14) PUMP MOTOR CABLE
- (5) 4" TEE SCHEDULE 80 PVC AIR VENT WITH PROTECTIVE SCREENS
- (16) STAINLESS STEEL CABLE HOLDER
- 1" STAINLESS BLOW OFF LINE TO WETWELL-SECURE LINE TO WETWELL SLAB W/ UNISTRUT.
- (B) 1/4" STAINLESS STEEL WITH 18" OF CHAIN LINKS (FLYGT GRIP EYE CONNECTOR).





LS-4	Ĥ
LS-5	CC
LS-6	EL EQ R
LS-7	FIE LIG
LS-8	C
LS-9	CC
LS-10	FC
LS-11	3
LS-12	STA L COI
LS-13	1' PR

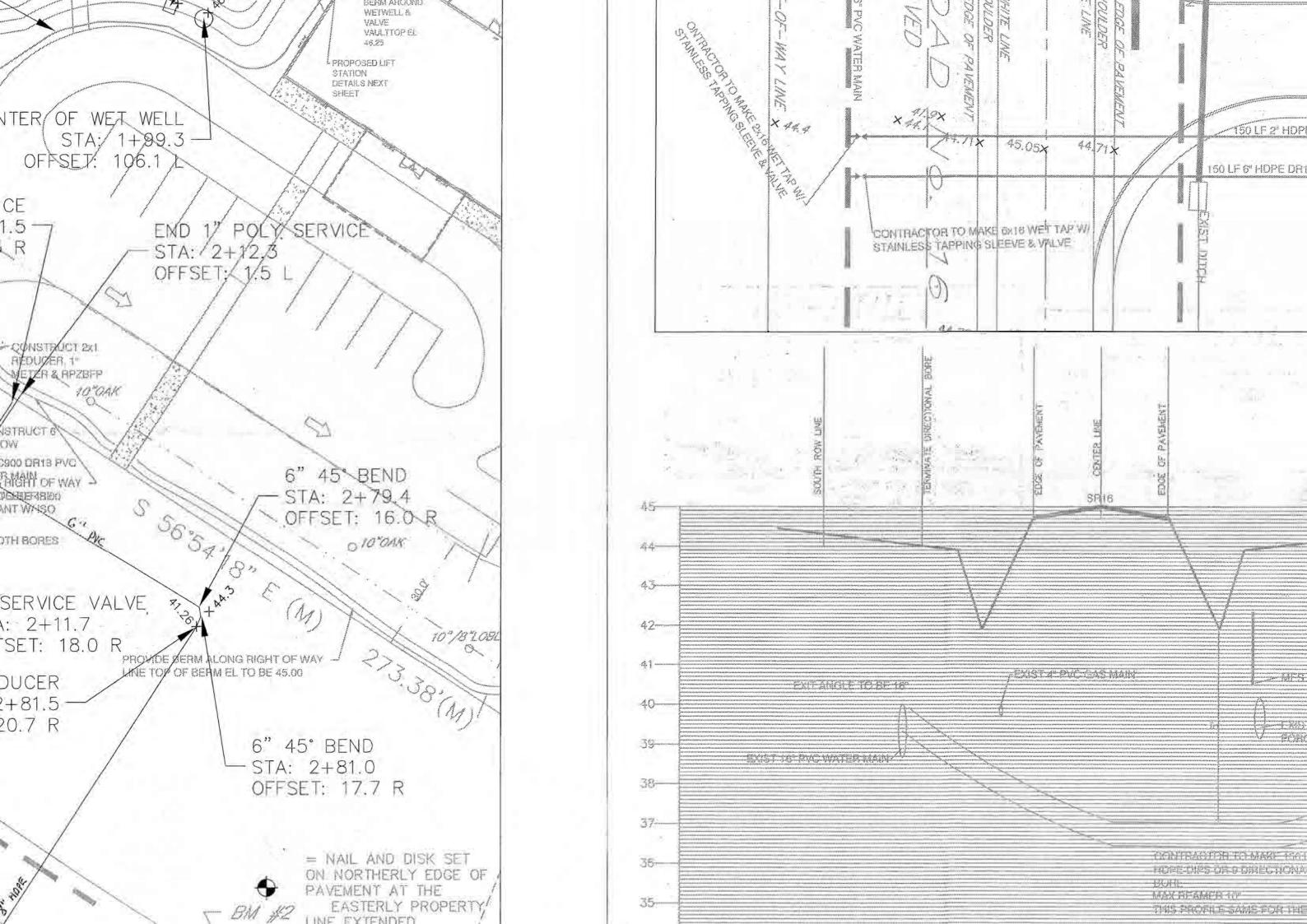
TRA

2017 NW Tadpole Prep As Built Drawings



KB PRON RON 3 CHARI ST. AUGUS! 904-6

PROJECT LOCATION



ALUMINUM GRATING, LOCATED OPPOSITE
MOTOR CONTROL CABINET, (SEE SITE PLAN),
TOP OF GRATING TO BE FLUSH WITH TOP
OF CONCRETE. LINED CONCRETE ON TOP AND INTO ALL OPENINGS IN TOP FIELD LINE TOP SLAB AND WALL SECTION JOINTS. 316 STAINLESS STEEL LIFTING CHAINS AND APPROPRIATELY SIZED SHACKLES, - PROVIDE 5'-0" MIN. EXCESS LIFTING CHAIN. SEE NOTE NO.1 APPROVED CORROSION PROTECTION -AS RECOMMENDED BY PUMP MANUFACTURER. N (MP.) CONCRETE -6" MIN. LEVELING COURSE . CONCRETE OR APPROVED EQUAL CONCRETE AND REINFORCING STEEL DESIGN TO BE SIGNED BY A FLORIDA REGISTERED . SUBMIT WITH SHOP ENGINEER DRAWINGS, WETWE

2018 NW Mill Creek North **As Built Drawings**

ASHPROPERIES

7880 Gate Parkway, Suite 300 Jacksonville, Florida 32256

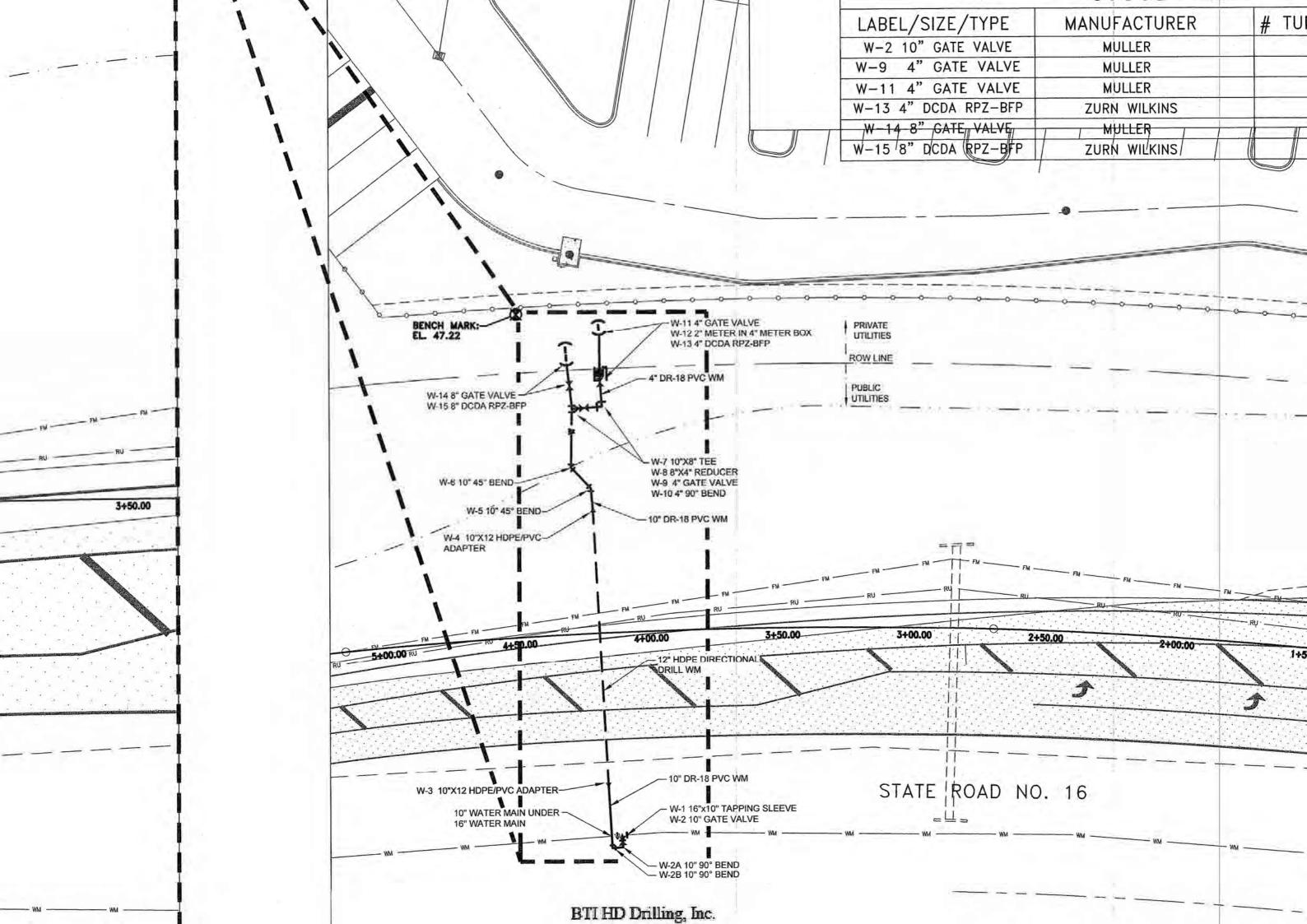
N# 087360-0000 & 087360-00

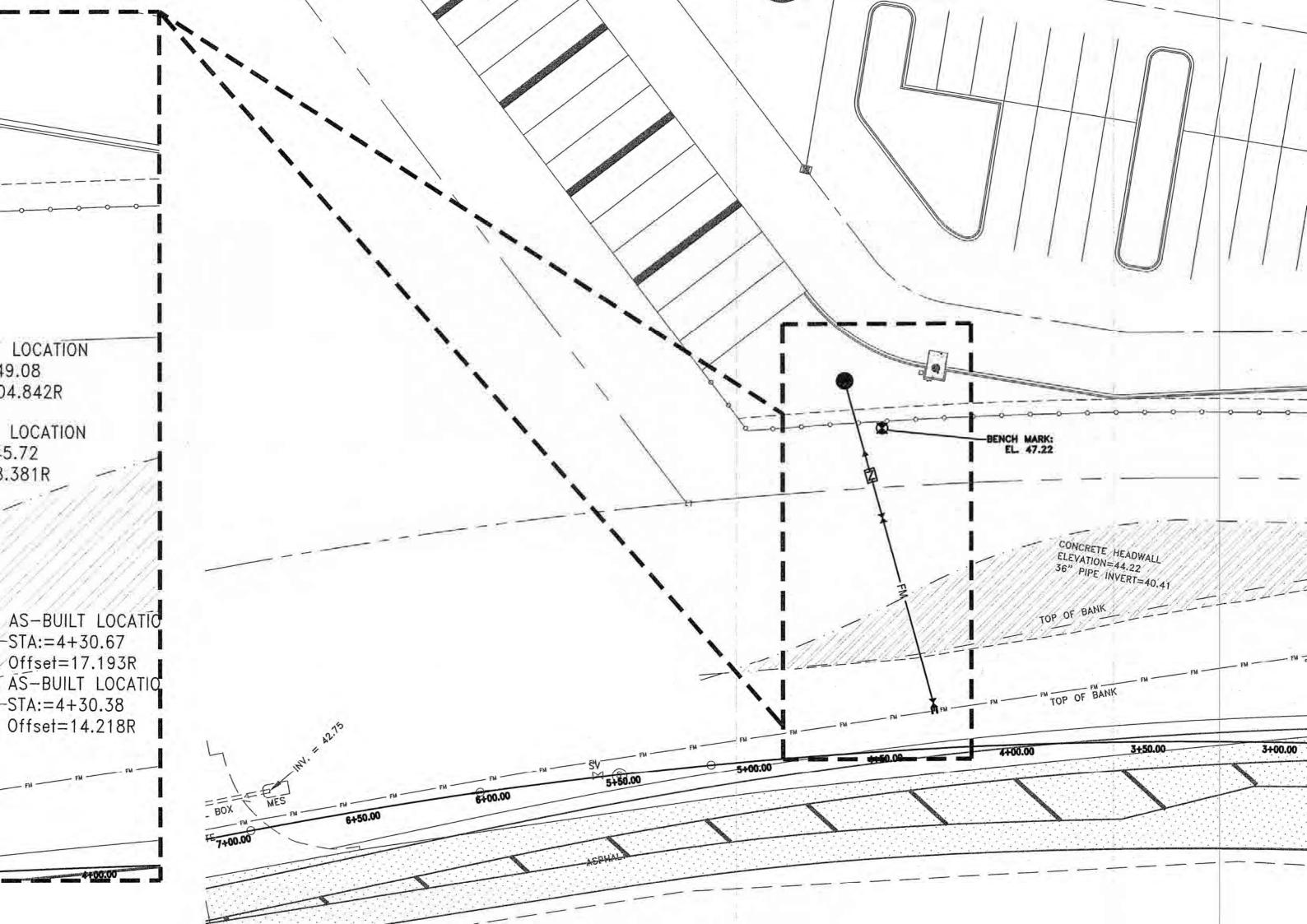
PREPARED BY:

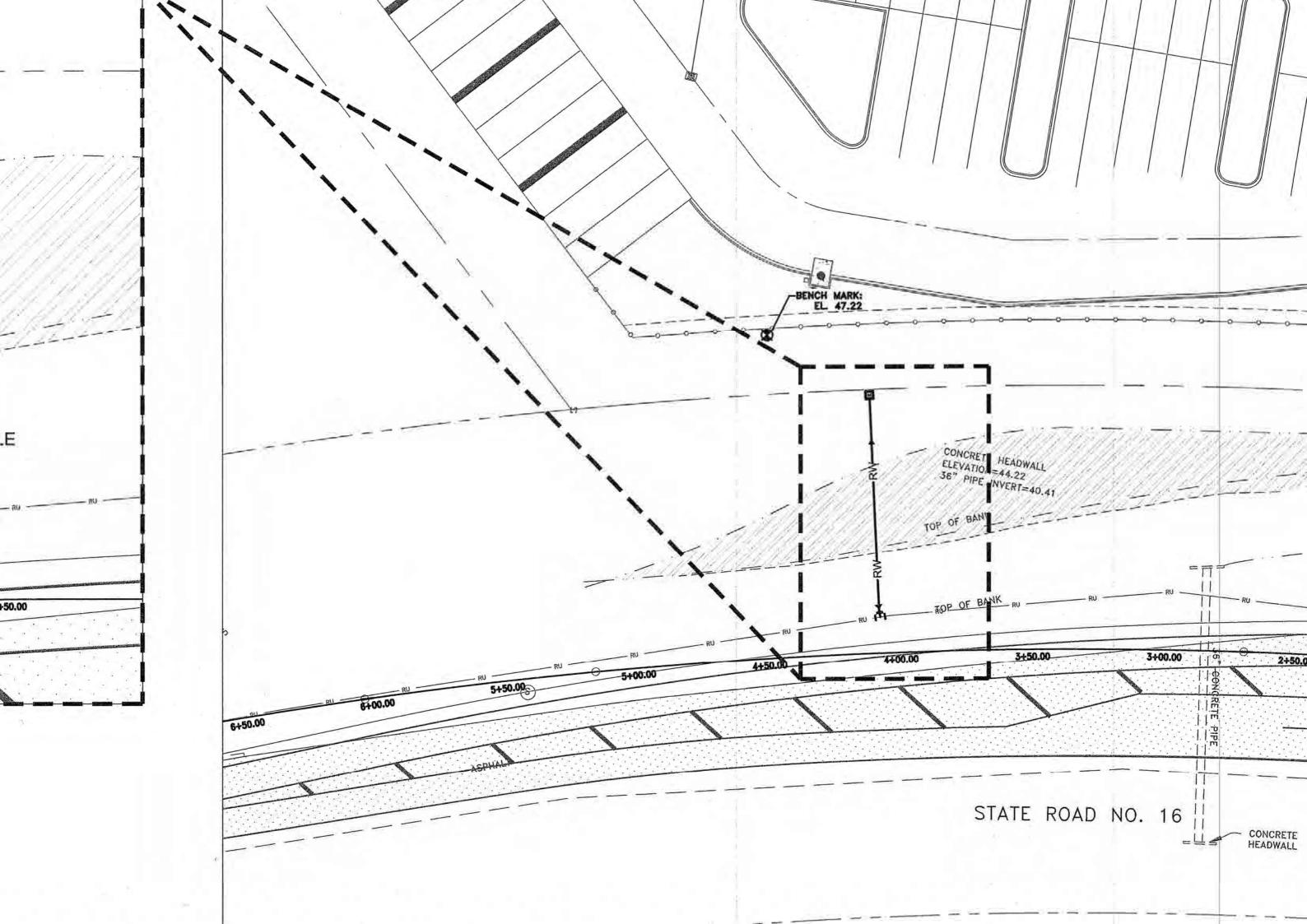
RAY THOMPSON SURVEYING, INC.

1825 University Boulevard West Jacksonville, Florida 32217 (Phone) 904-448-5125

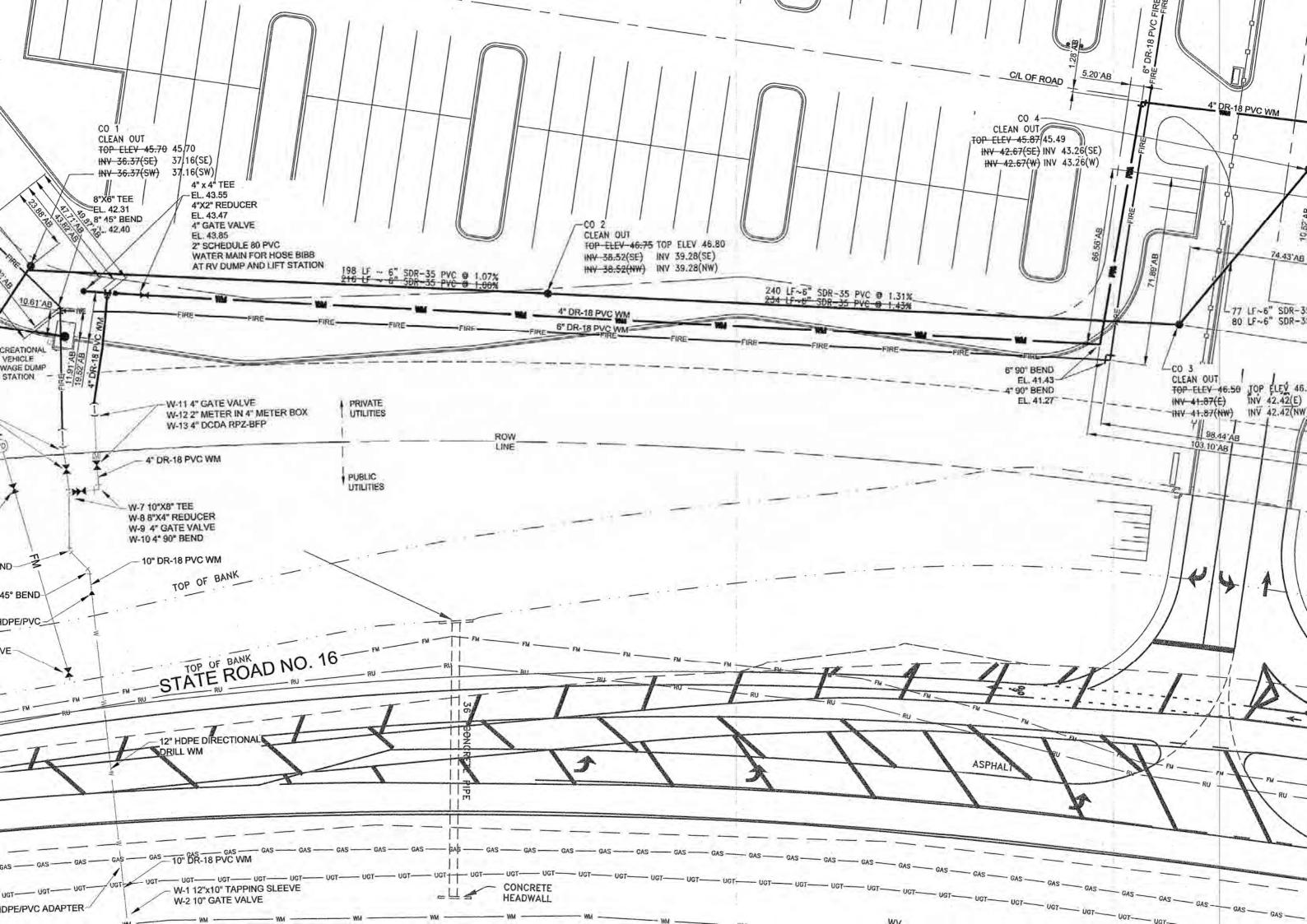


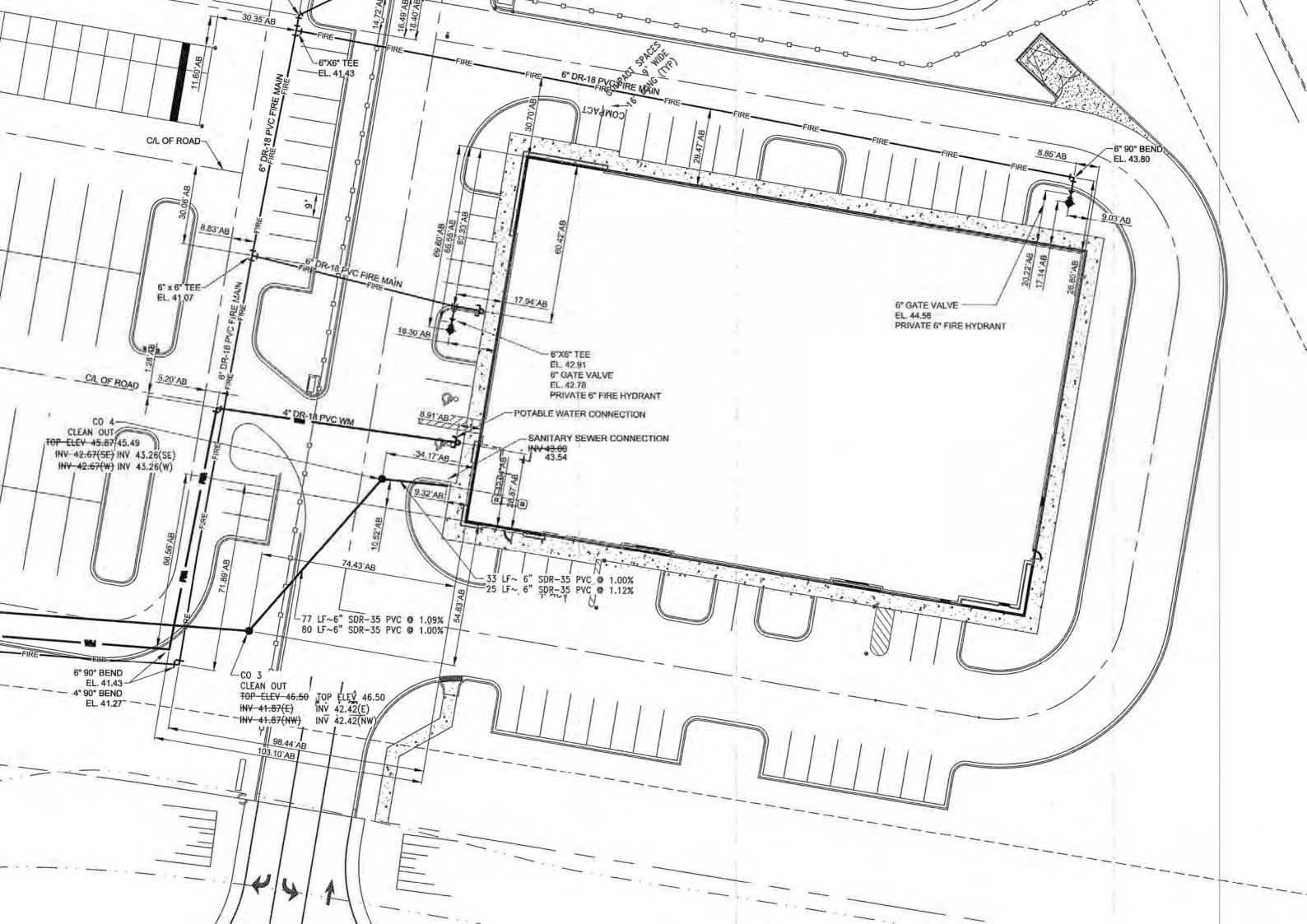






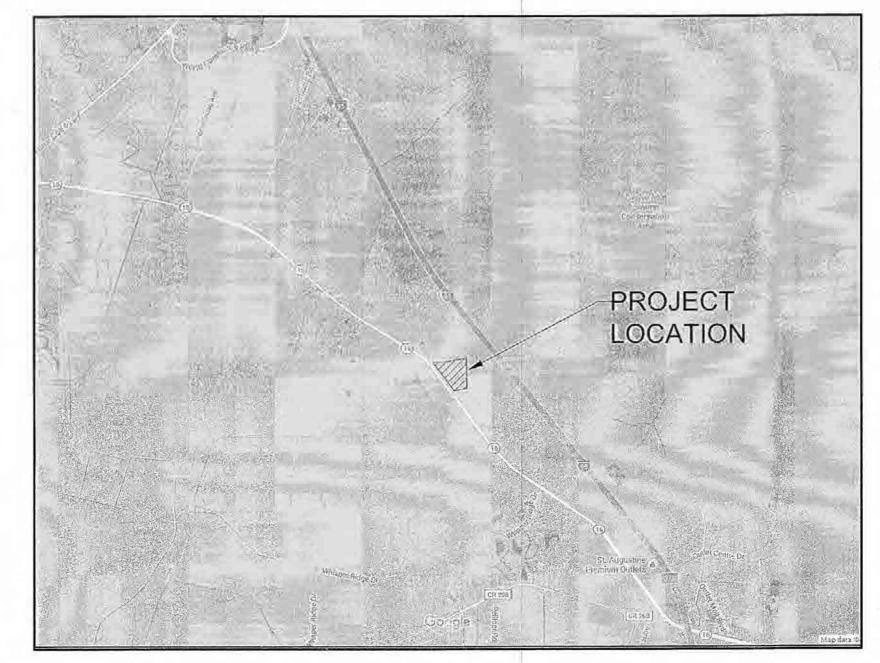






2018 NW Tomoka Pines As Built Drawings

ST. JOHNS COUNTY, FLORIDA





PING, LLC

TANTS

RE BLVD. A 32256

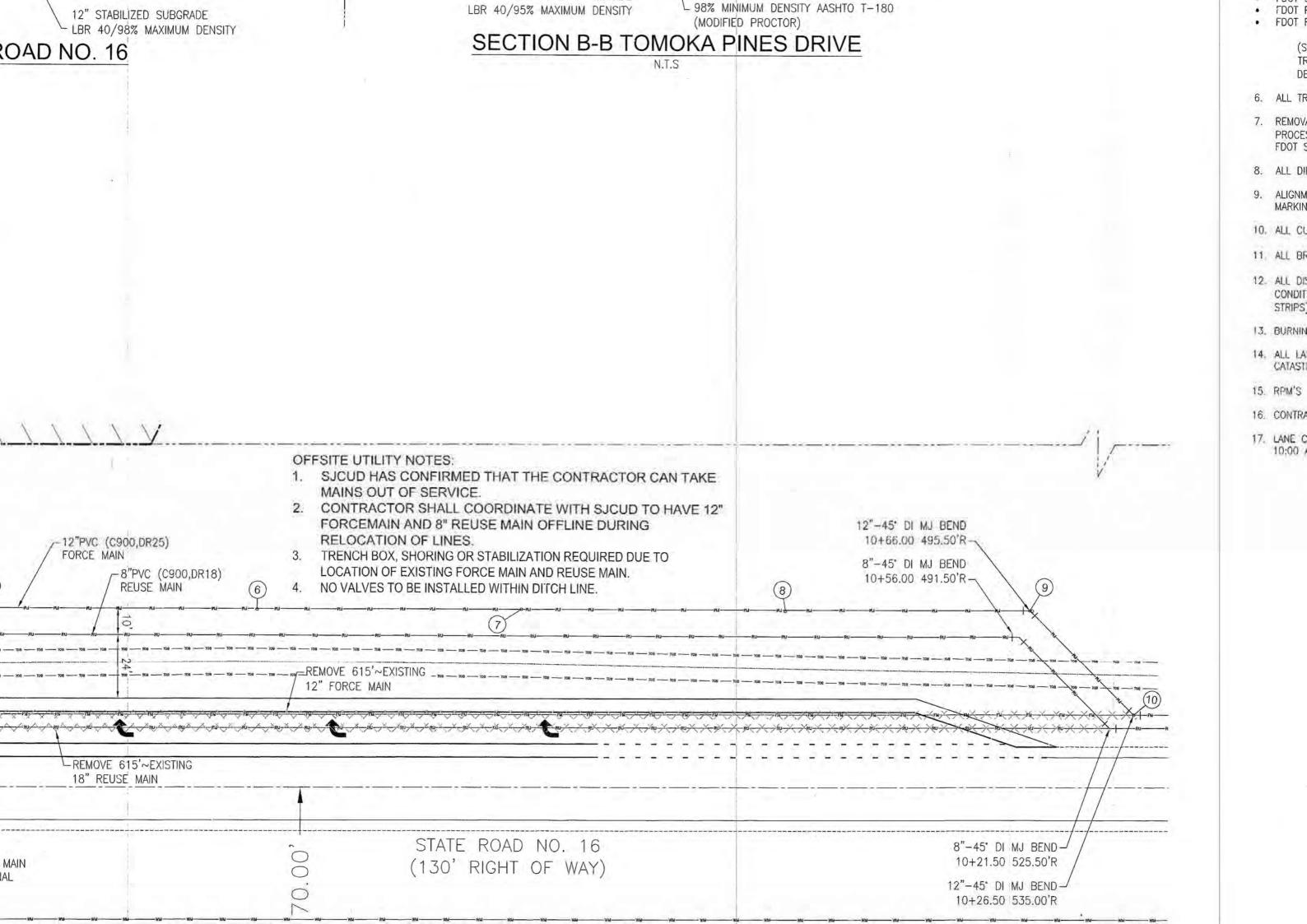
904) 777-8271

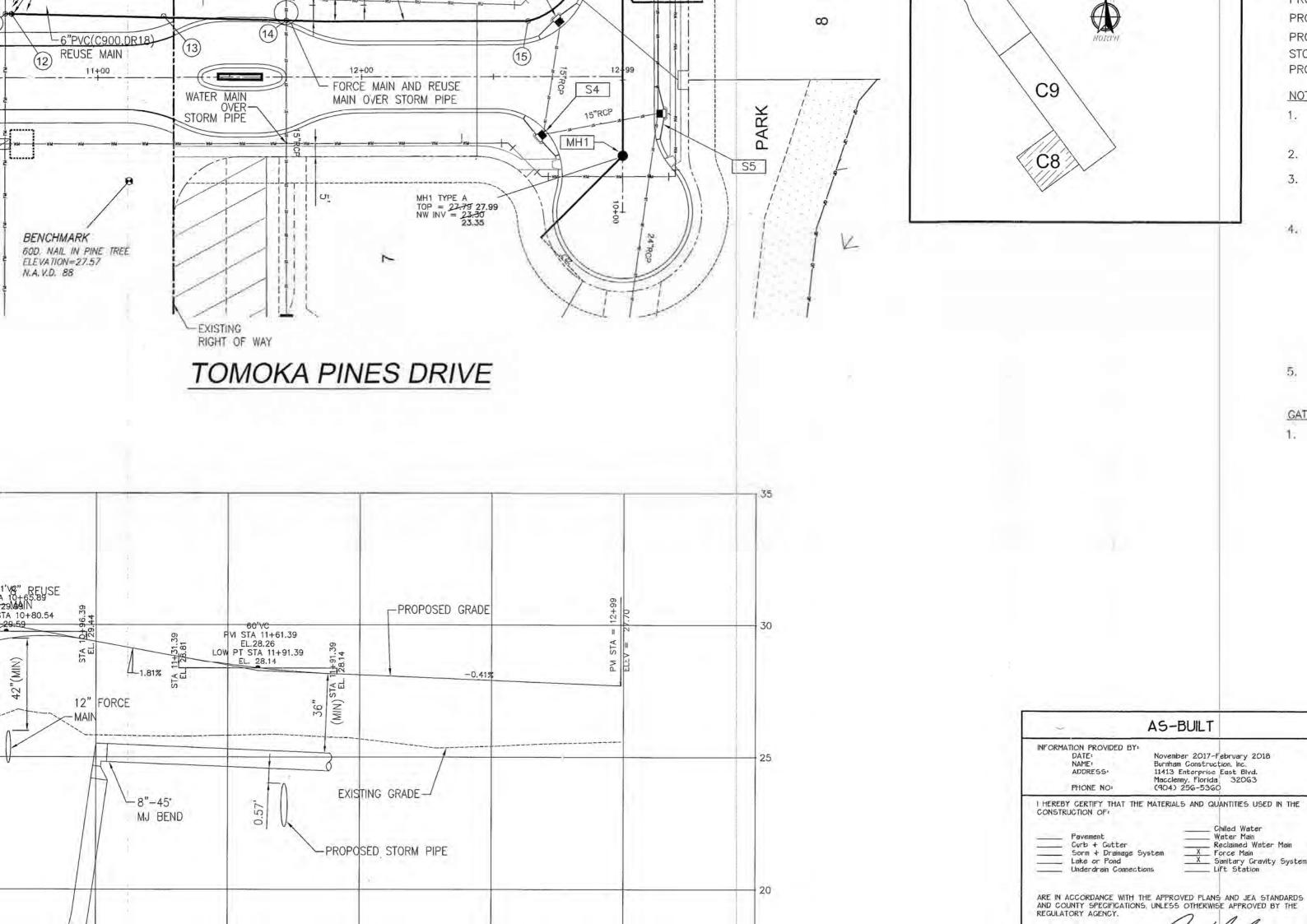
GROUP, INC. , SUITE 204 A 32216

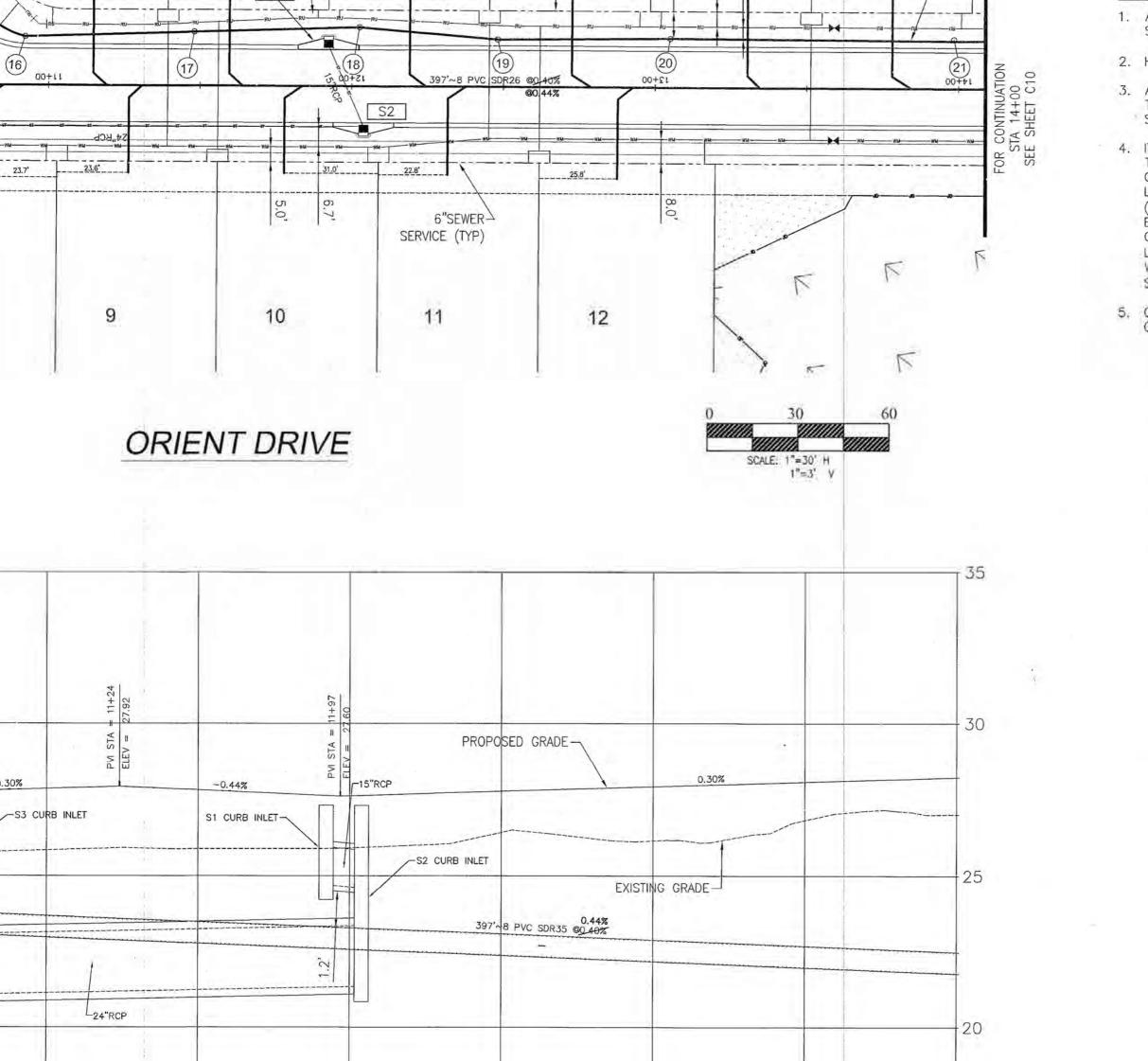
(904) 854-4505

ITY DEPARTMENT

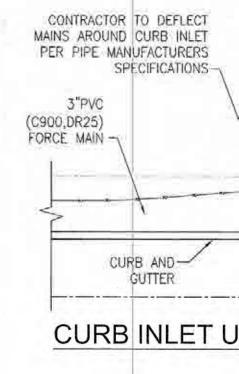
A 32085







- 1. AREAS DISTURBED IN FDOT RIGHT OF WAY SHALL BE SODDED.
- 2. HOUSE WATER METER SIZES, SHALL BE 5/8" MINIMU
- 3. ALL WATER AND SEWER CONSTRUCTION SHALL COMP THE LATEST SJCUD CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 4. IT IS THE REQUIREMENT OF SJCUD THAT WHEN TREE TO BE PLANTED OR TO REMAIN LOCATED NEAR PUBL OWNED OR MAINTAINED PROPPOSED OR EXISTING UTILINES, THAT THE TREES MUST NOT BE WITHIN 7.5 F (BOTH WAYS) FROM THE CENTERLINE OF THE PROPOEXISTING UTILITY LINE. PLEASE ENSURE THAT THE UTICONSTRUCTION PLANS ARE COORDINATED WITH THE LANDSCAPE/TREE MITIGATION PLANS, (MANUAL OF WAY WASTEWATER AND REUSE DESIGN STANDARDS AND SPECIFICATIONS, PART VI, SJCUD GENERAL NOTES).
- CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIC CONSTRUCTION.



AS-BUILT

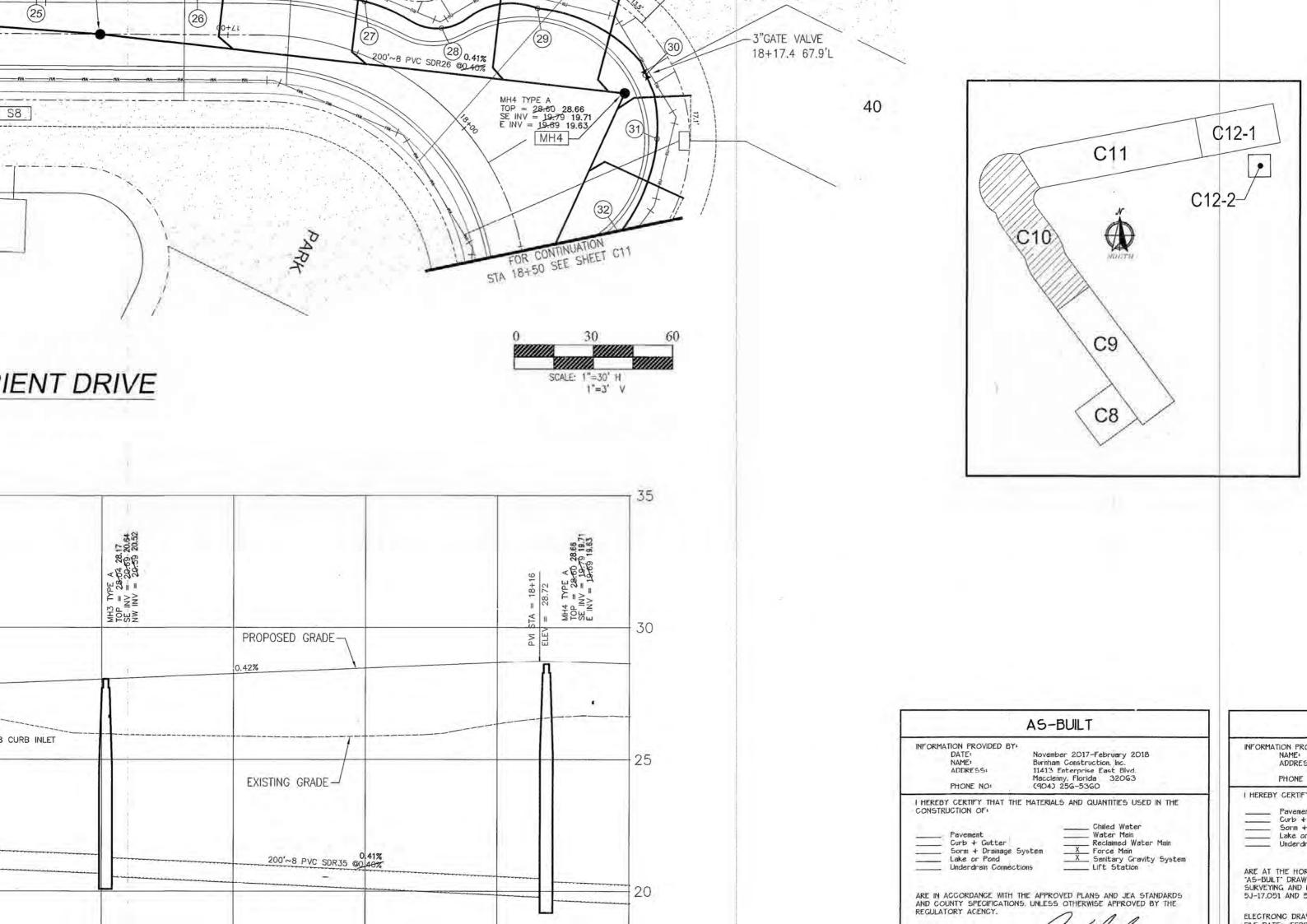
INFORMATION PROVIDED BY:
DATE:
NAME:
ADDRESS:
PHONE NO:

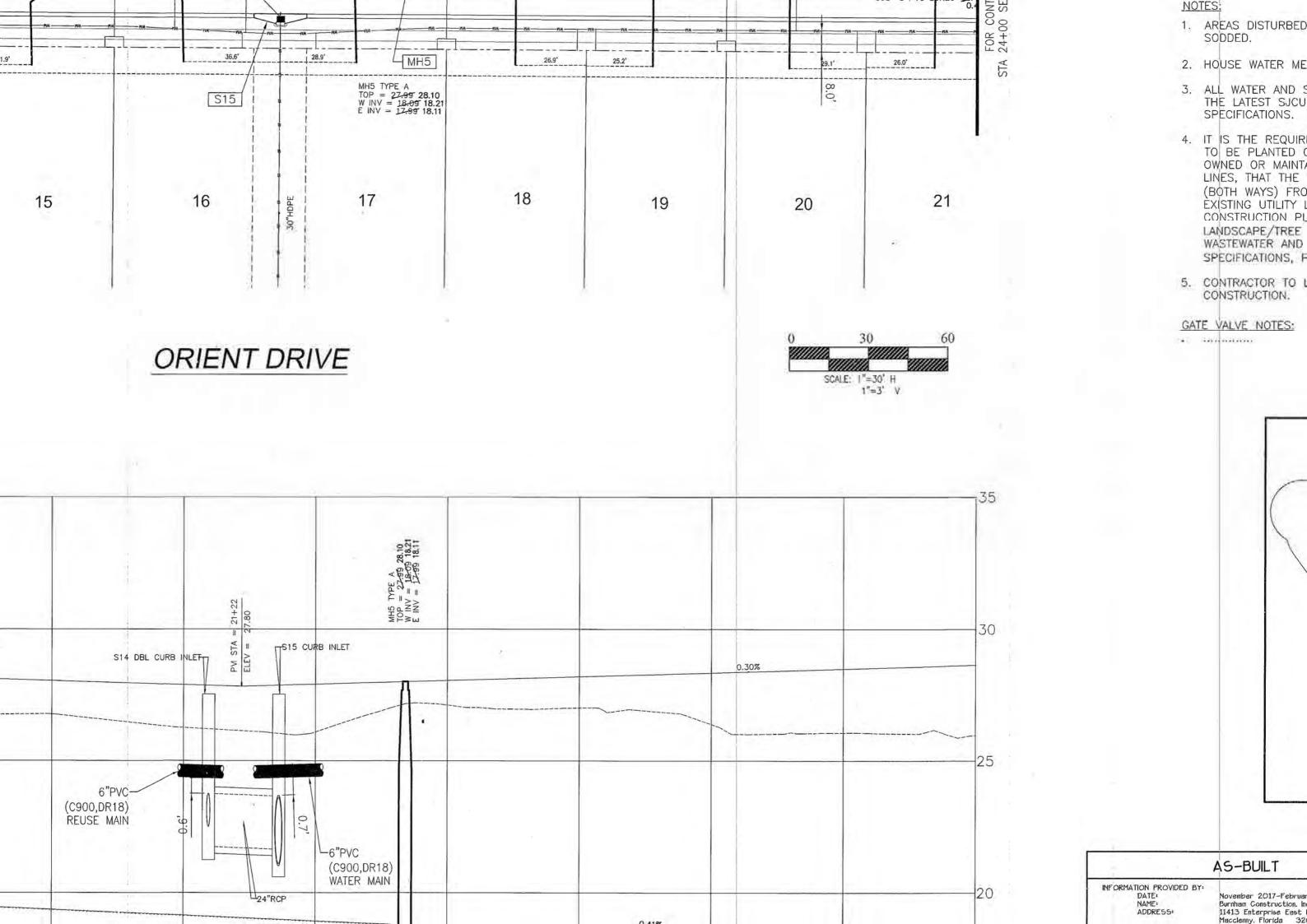
November 2017-February 2018
Burnham Construction, Inc.
11413 Enterprise East Blvd.
Macclenny, Florida 32063
(904) 256-5360

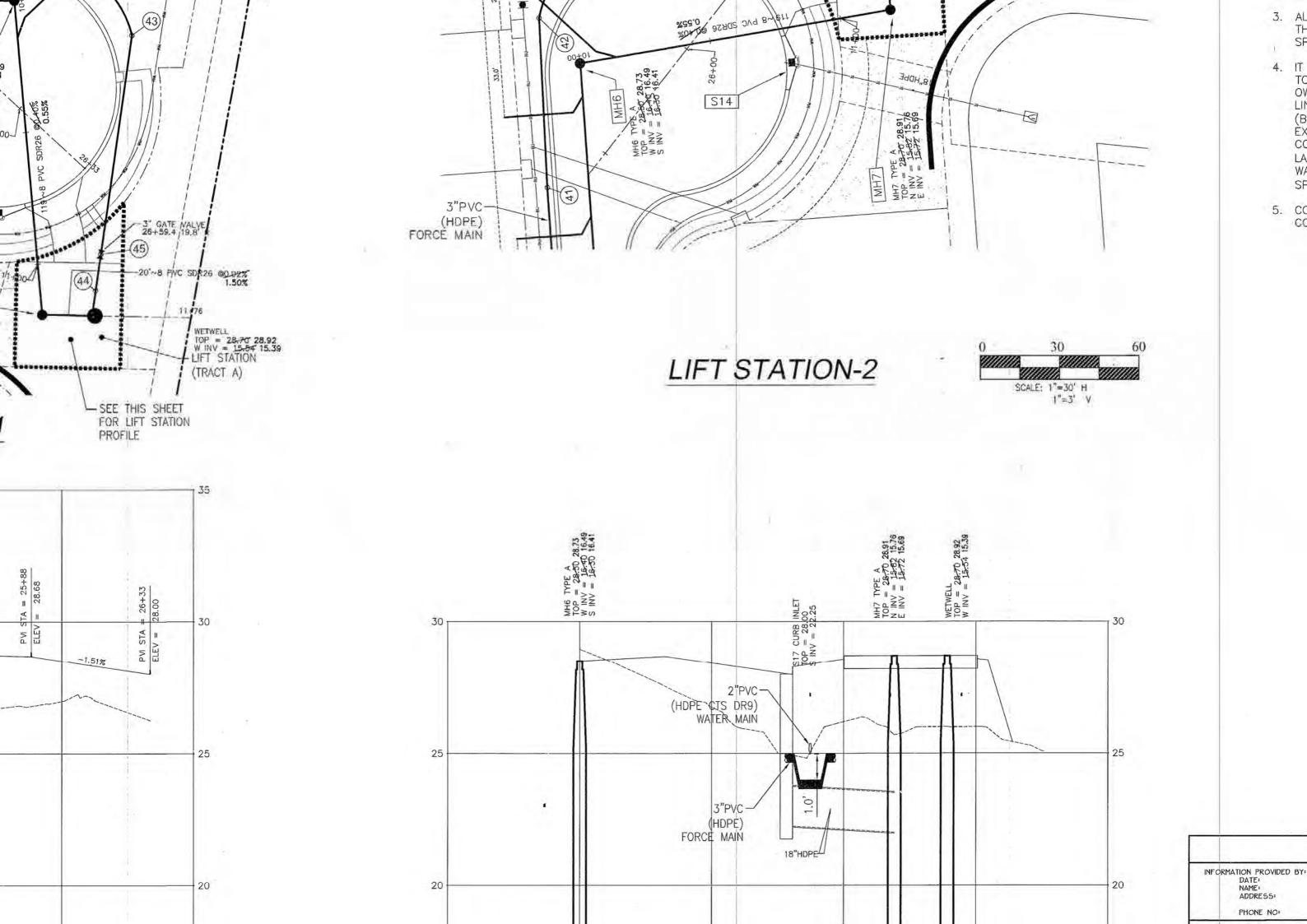
I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USED CONSTRUCTION OF:

Pavement
Curb + Gutter
Sorm + Drainage System

Water Main
Reclaimed Water
X Force Main



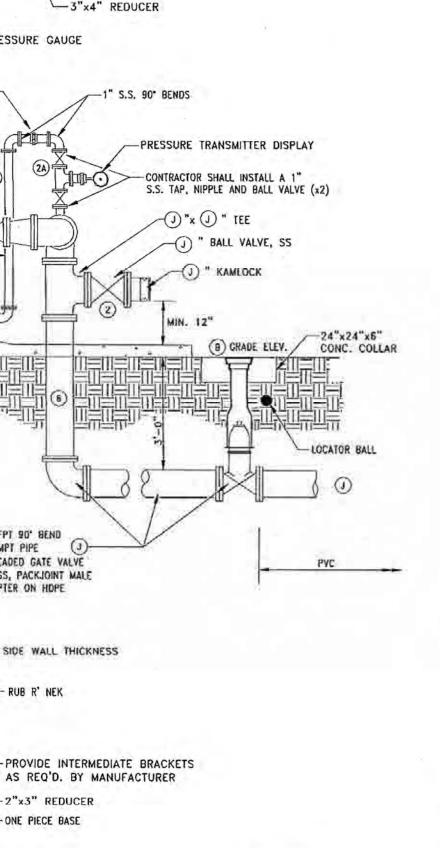




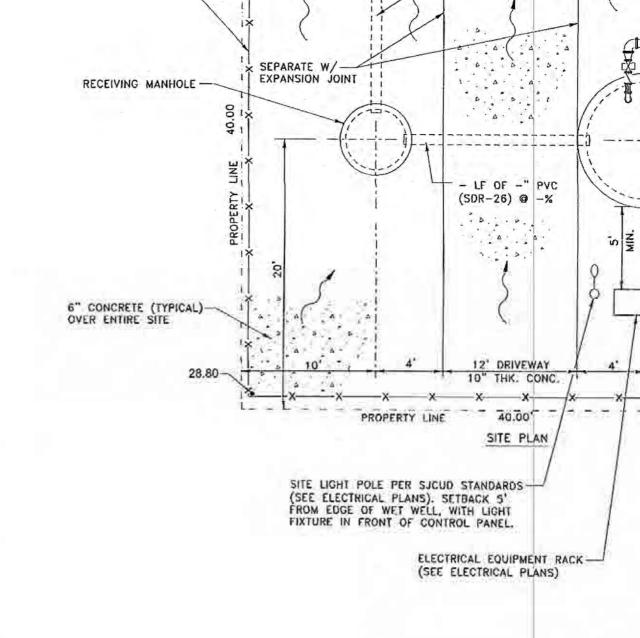
			Point	Table							
Description	Northing	Easting	Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (inches)	SEPARATION	
fm.45bend.tiein	2039080.5	516817.8	N29'56'30.97"	W81°26'23.90"	23.4	26.9	3.5		12"		
fm.45bend	2039067.0	516874.0	N29°56'30.84"	W81°26'23.26"	20.3	24.9	4.6		12"		1
CONFLICT	2039050.2	516885.7	N29°56'30.68"	W81*26'23.12"	20.0	24.6	4.6	21.5	6" RU	1.0'	
CONFLICT	2039005.1	516921.6	N29°56′30.23"	W81°26'22.71"	20.1	25.5	5.4	18.0	10" WL	1.1	
fm.top.12in	2038942.8	516968.2	N29*56'29.62"	W81°26′22.18"	20.9	25.7	4.8		12"		
fm.top.12in	2038862.3	517027.3	N29'56'28.82"	W81*26'21.51"	20.6	25.1	4.5		12"	- 6	
fm.top,12in	2038781.9	517087.1	N29°56'28.03"	W81°26'20.82"	21.5	25.4	3.9	1	12"		
fm.top.12in	2038701.4	517146,4	N29°56'27.23"	W81°26'20.15"	21.8	25.5	3.7		12"		
fm.45bend	2038626.4	517202.3	N29'56'26.49"	W81*26'19.51"	22.9	25.9	3.0	ISI	12"		1
fm.45bend.tiein	2038574.1	517193.5	N29'56'25.98"	W81*26*19.61"	21,7	24.7	3.0		12"		1
fm.12x4.tee	2039042.8	516891.2	N29*56'30.60"	W81*26'23.06"	20.0	28.2	8.2	7:	12"	a l	
fm.4x3.reducer	2039044.3	516893.0	N29'56'30.62"	w81*26'23.04"	20.0	28.2	8.2		3"		
(m.top.3in	2039078.4	516939.5	N29*56'30.96"	W81*26'22.51"	23.2	28.7	5,5	25	3"		
CONFLICT	2039104.8	516977.9	N29'56'31.22"	W81'26'22.08"	25.0	27.9	2.9	24.1	15"HDPE	0.6	
fm.top.3in	2039159.2	517051.7	N29*56'31.76"	W81*26'21.24"	25.1	27.8	2.7		3"	25	
fm.top.3in	2039187.1	517055.5	N29'56'32.04"	W81'26'21.20"	25.3	27.8	2.5		3"		1
fm.top.3in	2039230.7	517020.8	N29*56'32.47"	W81*26'21.60"	24.9	28.0	3.1		3"		1
fm.top.3in	2039273.3	516986.8	N29*56'32.89"	W81'26'21,98"	24.1	27.8	3.7		37		1
fm.top.3in	2039312.2	516962.7	N29'56'33.27"	W81*26'22.26"	24.3	28.0	3.7	5	3"		1
fm.top.3in	2039357.4	516928.2	N29'56'33.72"	W81"26"22.65"	24.8	28.1	3.3	10	3"		
m.locate.wire.box		516872.2	N29°56′34,46″	W81*26'23.29"	28.0	28.0			3"		1
CONFLICT	2039499.3	516822.5	N29°56'35.12"	w81*26'23,86"	23.7	28.0	4.3	26.5	18" RCP	1.1'	
fm.top.3in	2039513.0	516812.3	N29'56'35.25"	W81'26'23.98"	23.8	28.0	4.2		3"		1
fm.top.3in	2039594.8	516763.3	N29°56'36.06"	W81°26'24.54"	24.4	28.0	3.6		3"		1
fm.top.3in	2039624.2	516750.2	N29°56'36.35"	W81°26'24.69"	24.7	28.0	3.3	- 2	3"		
fm.top.3in	2039673.5	516714.3	N29°56'36.84"	W81°26'25.10"	25.5	28.3	2.8		3"		1
fm.top.3in	2039725.1	516677.3	N29°56'37.35"	W81°26'25.52"	25.3	28.6	3.3		3"		1
fm.top.3in	2039754.6	516667.8	N29*56'37.64"	W81°26'25.63"	25.1	28.7	3.6		3"		
fm.top.3in	2039779.0	516639.9	N29*56'37.88"	W81*26'25.95"	25.2	29.0	3.8		3"	1	
fm.top.valve	2039779.0	516639.9	N29°56'37.88"	W81*26'25.95"	25.2	29.1	3.9		3"		
fm.top.3in	2039844.9	516651.9	N29°56'38.53"	W81°26'25.82"	25.7	29.0	3.3		3"		1
fm.top.3in	2039855.1	516689.0	N29°56'38.64"	W81*26'25.40"	25.9	28.8	2.9		3"		1
fm.top.3in	2039855.9	516715.7	N29*56'38.65"	W81°26'25.09"	25.8	28.7	2.9	19	3"		1
fm.top.3in	2039875.2	516767.7	N29°56'38.84"	W81'26'24.50"	25.2	28.6	3.4		3"		
fm.top.3in	2039891.3	516844.9	N29'56'39.00"	W81*26'23.62"	25.3	28.4	3.1		3"		1
CONFLICT	2039914.7	516958.2	N29*56'39.24"	W81°26'22.34"	25.2	28.0	2.8	23.2	15"HDPE		1
fm.top.3in	2039927.8	517042.8	N29'56'39.37"	W81°26'21.38"	25.3	28.2	2.9	20.2	3"		1
fm.top.3in	2039943.3	517125.5	N29*56'39.53"	W81°26'20.44"	25.6	28.5	2.9		3"		
fm.top.3in	2039945.9	517244.9	N29°56'39.75"	W81'26'19.08"	25.5	28.8	3.3		3"	12	-
fm.top.3in	2039982.0	517331.3	N29°56'39.92"	W81*26'18.10"	25.9	29.1	3.2	¥	3"		1
ma.qp.əm	2005502.0	917001.0	NZ3 00 03.3Z	1101 20 10.10	20,5	20,1	J.Z	1.6	,	+	1

PHONE NO:

INFORMATION PROVIDED E DATE: NAME: ADDRESS:



MECHANICAL EQUIPMENT SCHEDULE CHECK VALVE, FLAPPER TYPE, FULL PORT, THREADED BRASS; INSTALLED IN VERTICAL POSITION PLUG VALVE, CAST SS, FULL PORT CONTRACTOR TO INSTALL: (2)-1" STAINLESS STEEL BALL VALVES 1"x1" STAINLESS STEEL TEE 1"x1/2" DIAPHRAGM - SEE INSTRUMENTATION 1/2"x1/2" MALE TO MALE NIPPLE STAINLESS STEEL TEE STAINLESS STEEL SHORT RADIUS 90" BEND (4) (5) STAINLESS STEEL 45' BEND (6) 316 STAINLESS STEEL PIPE (SCH 40) 1/4" SST BRAIDED WIRE CABLE WITH 18" OF CHAIN INFLUENT PIPE (SEE PLANS) (9) CONCRETE WETWELL 10 PUMP (AS APPROVED BY ST. JOHNS COUNTY UTILITY DEPARTMENT) ALUMINUM WETWELL ACCESS COVER (OPENING PER PUMP MANUFACTURER) STAINLESS STEEL GUIDE RAILS LEVEL STICK, HIGH AND LOW ALARM FLOATS PROVIDED BY PUMP MANUFACTURER PUMP MOTOR CABLE 4" TEE SCHEDULE 80 PVC AIR VENT WITH PROTECTIVE SCREENS STAINLESS STEEL CABLE HOLDER 1" STAINLESS BLOW OFF LINE TO WETWELL-SECURE LINE TO WETWELL SLAB WITH UNISTRUT WITH UNIONS



NOTES:

SCH 40

THREADED

- 1. ACCESS COVER FOR THE WETWELL SHALL BE 1/4" ALUM. TREAD PLATE WITH STAINLESS STEEL HARDWARE. COVER SHALL BE PROVIDED WITH LIFTING HANDLE. LOCKING HASP AND SAFETY LATCH TO HOLD COVERS OPEN. OPENING IN WETWELL SLAB AS PER MANUFACTURERS SPECIFICATIONS.
- 2. ALL CONCRETE SHALL BE 6" THICK AND REINFORCED WITH 6 X 6 10/10 WWM EXCEPT THE DRIVEWAY WHICH SHALL BE 10" THICK.
- 3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRECAST WETWELL, SHOP DRAWINGS SHALL INCLUDE ALL NECESSARY STRUCTURAL AND
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ELECTRICAL POWER TO THE PUMPING STATION, THREE PHASE POWER IS REQUIRED. THIS WORK IS TO BE COORDINATED WITH FLORIDA POWER AND LIGHT.
- 5. THE INTERIOR OF THE WET WELL AND RECEIVING MANHOLE SHALL BE COATED WITH LINER BY APPROVED MANUFACTURER.
- 6. A LIGHTNING ARRESTER SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.
- The second state of the second second
- 7. A SURGE SUPPRESSER SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.
- 8. AN AUDIBLE ALARM SHALL BE SUPPLIED AND INSTALLED BY THE "SYSTEM" SUPPLIER.

 9. THE SURFACE OF THE WET WELL SHALL FIRST BE PREPARED BY GROUTING THE WET WELL AS REQUIRED TO OBTAIN A SMOOTH SURFACE. THE

- 12. SITE GRADING SHALL PROVIDE FOR DRAINAGE OF WATER T
- 13. SIZES SHOWN IN "STATION INFORMATION" ABOVE ARE MINI
- 14. ALL ABOVE GRADE FITTINGS SHALL BE PAINTED FOREST GR
- 15. ALL STAINLESS STEEL MUST BE SCHEDULE 40.
- 16. ROTATE THE PRESSURE TRANSMITTER DISPLAY TO MATCH T MOUNTING TEE SUCH THAT THE PRESSURE TRANSMITTER DI

ST. JOHNS COUNTY, FLORIDA

PROJECT LOCATION

LOCATION MAP

NORTH

INDEX OF D

T-1 C4 C8-C12

INFORMATION PROVIDED BY:

DATE:
NAME:
BI
ADDRESS:
11

PHONE NO

I HEREBY CERTIFY THAT THE MATER

Pavement
Curb + Gutter
Sorm + Dramage

N ACCORDANCE WITH THE

AND COUNTY SPECIFICATIONS, UI REGULATORY AGENCY.

AUTHORIZED SIGNATURE

ANTS

BLVD. 32256

GROUP, INC. SUITE 204 32216

904) 854-4505

NG, LLC

04) 777-8271

TY DEPARTMENT

00005

Poin	t Table						
Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE Cinches)	SEPARATION
N29°56'30.91"	W81"26'23.93"	24.5	27.6	3.1		8"	
N29'56'30.79"	W81'26'23.30"	21.4	24.4	3.0	*:	8"	
N29*56'30.15"	W81*26'22.79"	22.0	25.3	3.3	23.8	8" WL	1.1
N29*56'29.55"	W81*26'22.28"	22.4	25.4	3.0	Δ.	8"	- 2
N29°56'28.76"	W81*26'21.60"	22.2	25.1	2.9	- 27	8"	5
N29*56'27.97"	W81*26'20.91"	21.8	24.7	2.9	27	8"	S
N29*56'27.17"	W81*26'20.24"	21.6	24.5	2.9	-	8"	a
N29*56'26.43"	W81*26'19.60"	22.9	25.9	3.0		8"	
N29'56'25.99"	W81*26'19.68"	21.7	24.7	3.0		8"	*
N29*56'30.6"	W81*26'23,17"	21.5	24.6	3.1	Ke	8"	
	Latitude N29'56'30.91" N29'56'30.79" N29'56'30.15" N29'56'29.55" N29'56'28.76" N29'56'27.97" N29'56'27.17" N29'56'26.43" N29'56'25.99"	N29*56'30.91" W81*26'23.93" N29*56'30.79" W81*26'23.30" N29*56'30.15" W81*26'22.79" N29*56'29.55" W81*26'22.28" N29*56'28.76" W81*26'21.60" N29*56'27.97" W81*26'20.91" N29*56'27.17" W81*26'20.24" N29*56'26.43" W81*26'19.60" N29*56'25.99" W81*26'19.68"	Latitude Longitude PIPE ELEV. Creet.) N29*56'30.91" W81*26'23.93" 24.5 N29*56'30.79" W81*26'23.30" 21.4 N29*56'30.15" W81*26'22.79" 22.0 N29*56'29.55" W81*26'22.28" 22.4 N29*56'28.76" W81*26'21.60" 22.2 N29*56'27.97" W81*26'20.91" 21.8 N29*56'27.17" W81*26'20.24" 21.6 N29*56'26.43" W81*26'19.60" 22.9 N29*56'25.99" W81*26'19.68" 21.7	Latitude Longitude PIPE ELEV. (Feet) FINAL GRADE (Feet) N29°56′30.91″ W81°26′23.93″ 24.5 27.6 N29°56′30.79″ W81°26′23.30″ 21.4 24.4 N29°56′30.15″ W81°26′22.79″ 22.0 25.3 N29°56′29.55″ W81°26′22.28″ 22.4 25.4 N29°56′28.76″ W81°26′21.60″ 22.2 25.1 N29°56′27.97″ W81°26′20.91″ 21.8 24.7 N29°56′27.17″ W81°26′20.24″ 21.6 24.5 N29°56′26.43″ W81°26′19.60″ 22.9 25.9 N29°56′25.99″ W81°26′19.68″ 21.7 24.7	Latitude Longitude PIPE ELEV. (Feet) FINAL GRADE (Feet) COVER (Feet) N29'56'30.91" W81'26'23.93" 24.5 27.6 3.1 N29'56'30.79" W81'26'23.30" 21.4 24.4 3.0 N29'56'30.15" W81'26'22.79" 22.0 25.3 3.3 N29'56'29.55" W81'26'22.28" 22.4 25.4 3.0 N29'56'28.76" W81'26'21.60" 22.2 25.1 2.9 N29'56'27.97" W81'26'20.91" 21.8 24.7 2.9 N29'56'27.17" W81'26'20.24" 21.6 24.5 2.9 N29'56'26.43" W81'26'19.60" 22.9 25.9 3.0 N29'56'25.99" W81'26'19.68" 21.7 24.7 3.0	Latitude Longitude PIPE ELEV. (feet) FINAL GRADE (feet) COVER (feet) UTILITY TOP ELEVATION (feet) N29'56'30.91" W81'26'23.93" 24.5 27.6 3.1 N29'56'30.79" W81'26'23.30" 21.4 24.4 3.0 N29'56'30.15" W81'26'22.79" 22.0 25.3 3.3 23.8 N29'56'29.55" W81'26'22.28" 22.4 25.4 3.0 N29'56'28.76" W81'26'21.60" 22.2 25.1 2.9 N29'56'27.97" W81'26'20.91" 21.8 24.7 2.9 N29'56'27.17" W81'26'20.24" 21.6 24.5 2.9 N29'56'25.99" W81'26'19.60" 22.9 25.9 3.0 N29'56'25.99" W81'26'19.68" 21.7 24.7 3.0	Latitude Longitude PPE ELEV. (feet) FINAL (feet) COVER (feet) UTILITY TOP ELEVATION (feet) UTILITY TOP ELEVATION (feet) N29°56′30.91" W81°26′23.93" 24.5 27.6 3.1 8" N29°56′30.79" W81°26′23.30" 21.4 24.4 3.0 8" N29°56′30.15" W81°26′22.79" 22.0 25.3 3.3 23.8 8" WL N29°56′29.55" W81°26′22.28" 22.4 25.4 3.0 8" N29°56′29.55" W81°26′21.60" 22.2 25.1 2.9 8" N29°56′28.76" W81°26′20.91" 21.8 24.7 2.9 8" N29°56′27.97" W81°26′20.24" 21.6 24.5 2.9 8" N29°56′27.17" W81°26′19.60" 22.9 25.9 3.0 8" N29°56′25.99" W81°26′19.68" 21.7 24.7 3.0 8" N29°56′25.99" W81°26′19.317" 21.5

OFFSITE UTILITY NOTES:

- SJCUD HAS CONFIRMED THAT THE CONTRACTOR CAN TAKE MAINS OUT OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH SJCUD TO HAVE 12" FORCEMAIN AND 8" REUSE MAIN OFFLINE DURING RELOCATION OF LINES.
- TRENCH BOX, SHORING OR STABILIZATION REQUIRED DUE TO LOCATION OF EXISTING FORCE MAIN AND REUSE MAIN.
- 4. NO VALVES TO BE INSTALLED WITHIN DITCH LINE.

12"-45° DI MJ BEND 10+66.00 495.50'R-

8"-45° DI MJ BEND 10+56.00 491.50'R-

-12"PVC (C900,DR25)

FORCE MAIN

REMOVE 615'~EXISTING
12" FORCE MAIN

- 108 - 108 - 108 - 108 - 108

FDOT

8. ALL D

9. ALIGNMARKII

FDOTFDOT

6. ALL TI

7. REMOV

10. ALL CU

12. ALL DI CONDI STRIPS

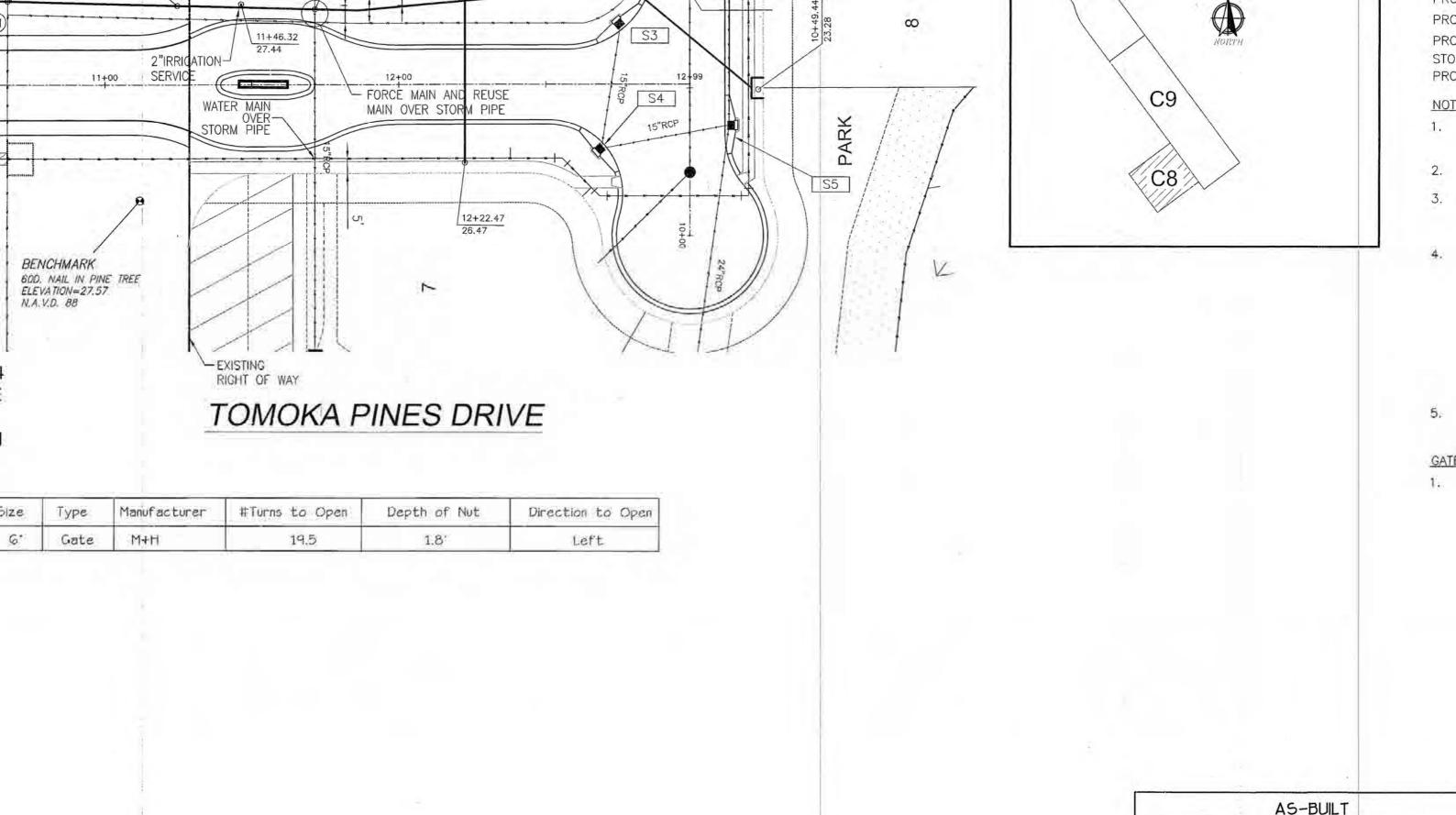
13. BURNI

14. ALL L/ CATAST

15. RPM'S

16, CONTR

17. LANE (



Point Table

Longitude

W81'26'23.17"

W81°26'23.15"

Latitude

N29°56'30.60"

N29°56'30.61"

N20°56'30 69"

Easting

16881.8

16883.5

FINAL

GRADE

(feet)

24.6

24.6

ELEV.

(feet)

21.5

22.8

21 5

COVER

(feet)

3.1

1.8

UTILITY TOP

ELEVATION

(feet)

UTILITY

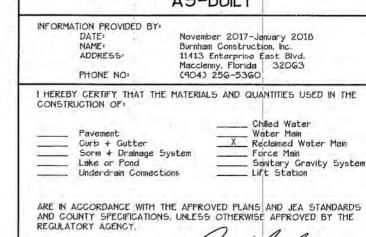
SIZE

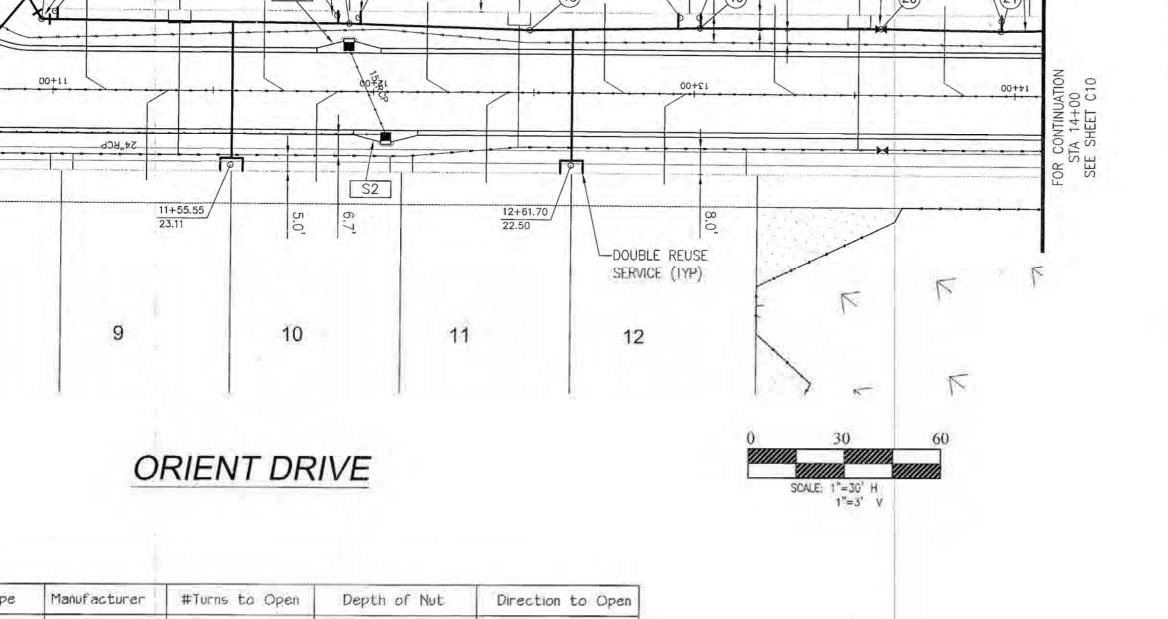
(inches)

8"

SEPARATION

1 01





Left

Point	Table						
Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (inches)	SEPARATION
N29°56'31.80"	W81°26'21.39"	24.9	27.8	2.9	- 1,0	6"	
N29°56'32.03"	W81°26'21.28"	25.1	27.8	2.7		6"	- 4.
N29°56'32.80"	W81°26'21.93"	27.7	27.8	4		6"	- 12
N29°56'33.25"	W81°26'22.30"	24.6	28.0	3.4		6"	
N29°56′33.67"	W81°26'22.67"	24.9	28.1	3.2	-1.4	6"	
N29°56'34.11"	W81*26'23.06"	26.0	28.3	2.3		6"	

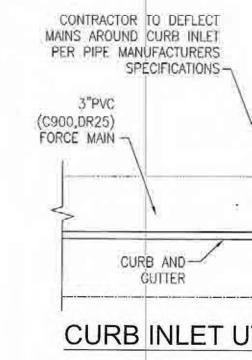
3.2

ste

M+H

19.5

- 1. AREAS DISTURBED IN FDOT RIGHT OF WAY SHALL BE SODDED.
- 2. HOUSE WATER METER SIZES, SHALL BE 5/8" MINIMU
- 3. ALL WATER AND SEWER CONSTRUCTION SHALL COMP THE LATEST SJCUD CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 4. IT IS THE REQUIREMENT OF SJCUD THAT WHEN TREE TO BE PLANTED OR TO REMAIN LOCATED NEAR PUBL OWNED OR MAINTAINED PROPPOSED OR EXISTING UTILLINES, THAT THE TREES MUST NOT BE WITHIN 7.5 F (BOTH WAYS) FROM THE CENTERLINE OF THE PROPO EXISTING UTILITY LINE, PLEASE ENSURE THAT THE UT CONSTRUCTION PLANS ARE COORDINATED WITH THE LANDSCAPE/TREE MITIGATION PLANS. (MANUAL OF WA WASTEWATER AND REUSE DESIGN STANDARDS AND SPECIFICATIONS, PART VI. SJCUD GENERAL NOTES).
- 5. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRICE CONSTRUCTION.



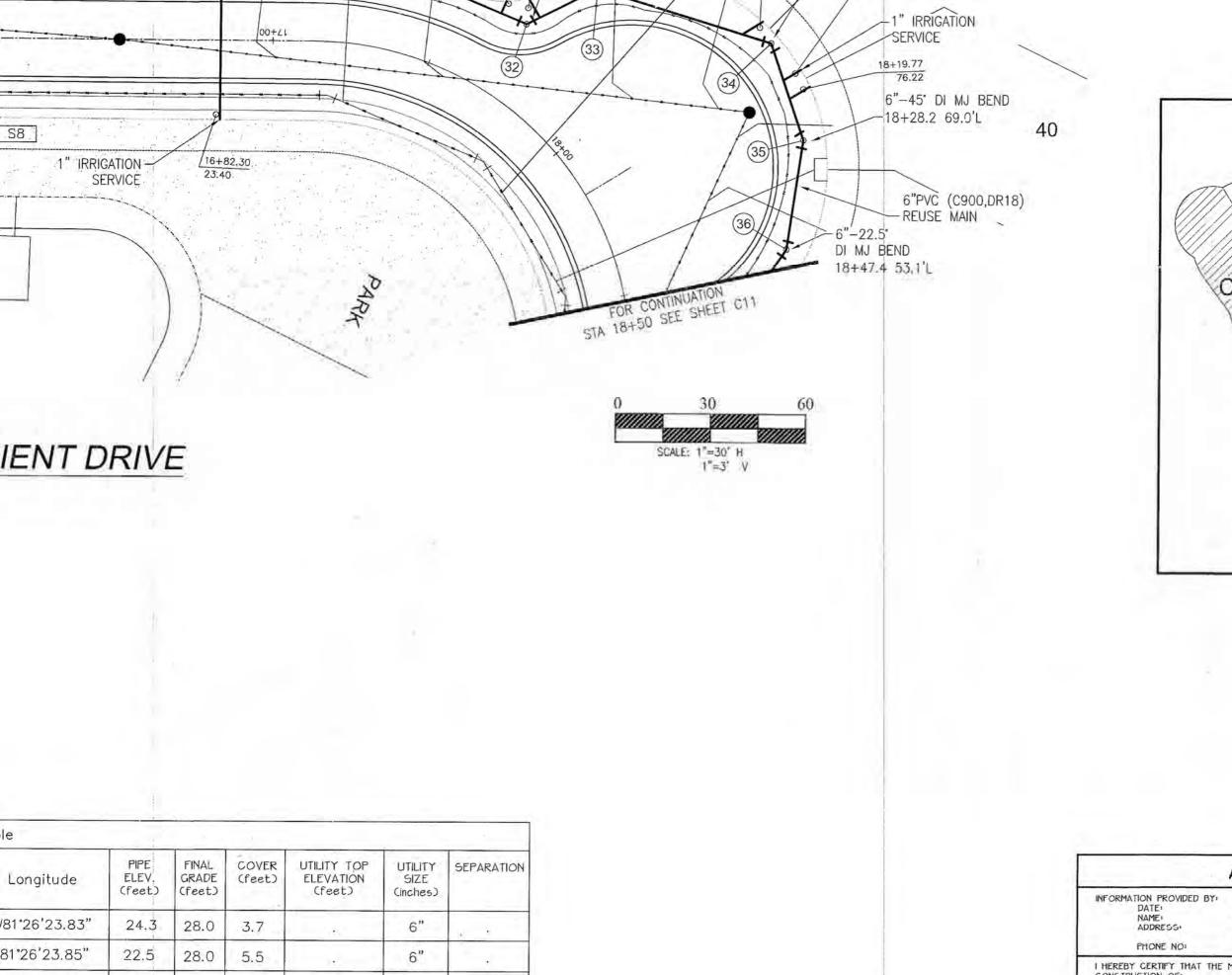
AS-BUILT

INFORMATION PROVIDED BY: November 2017-January 2018 Burnham Construction, Inc. DATE: 11413 Enterprise East Blvd. Macclenny. Florida 32063 (904) 256-5360 ADDRESS: PHONE NO I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USED

Curb + Gutter

Lake or Pond

Chilled Water Water Main
X Reclaimed Water Sorm + Drainage System _ Force Main



81°26'23.93"

81°26'24.01"

81'26'24.01"

81°26'24.29"

81'26'24 58"

22.6

22.7

24.1

24.7

24 5

28.0

28.0

28.0

28.0

280

5.4

5.3

3.9

3.3

27.5

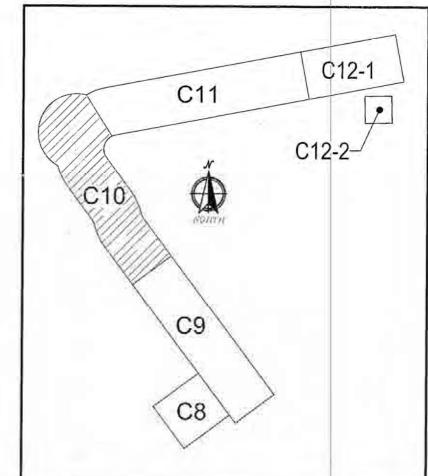
18" RCP

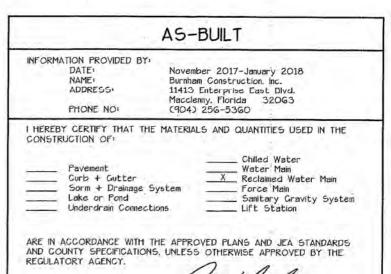
6"

6"

6"

2.2'





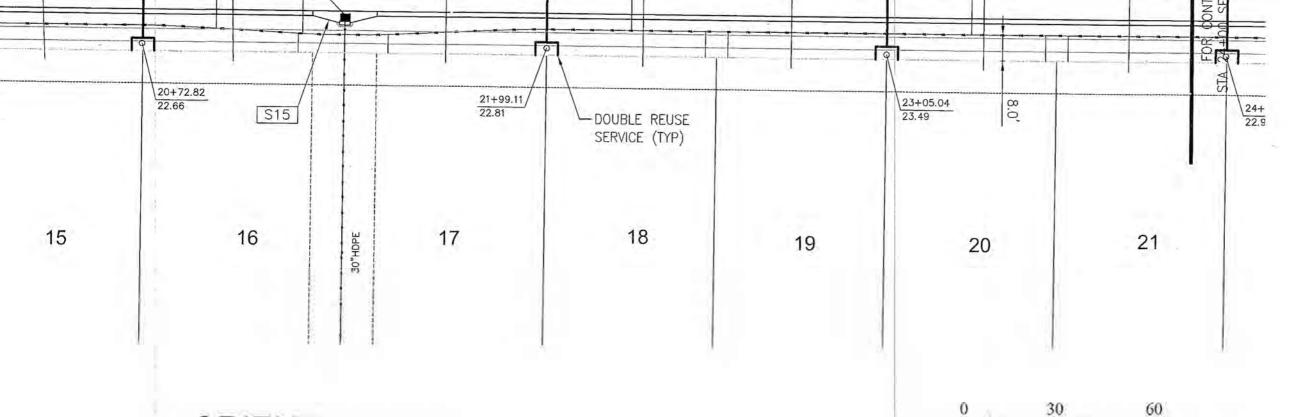
INFORMATION PRO
NAME:
ADDRES:
PHONE N

HEREBY CERTIFY

Pavement
Curb +
Sorm +
Lake or
Underdra

ARE AT THE HOR 'A5-BUILT' DRAWII SURVEYING AND N 5J-17.051 AND 5

ELECTRONIC DRAV



SCALE: 1"=30' H 1"=3' V

ORIENT DRIVE

Size	Туре	Manufacturer	#Turns to Open	Depth of Nut	Direction to Open
6.	Gate	M+H	19.5	2.1'	Left

		Poin	t Table						
ng	Easting	Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (inches)	SEPARATION
.6	516723.1	N29°56'38.71"	W81°26'25.01"	25.9	28.7	2.8		6"	
.1	516755.9	N29'56'38.87"	W81°26'24.64"	25.6	28.7	3.1		6"	
1	THE WOLD LOS	I l'é se de se se							

NOTES:

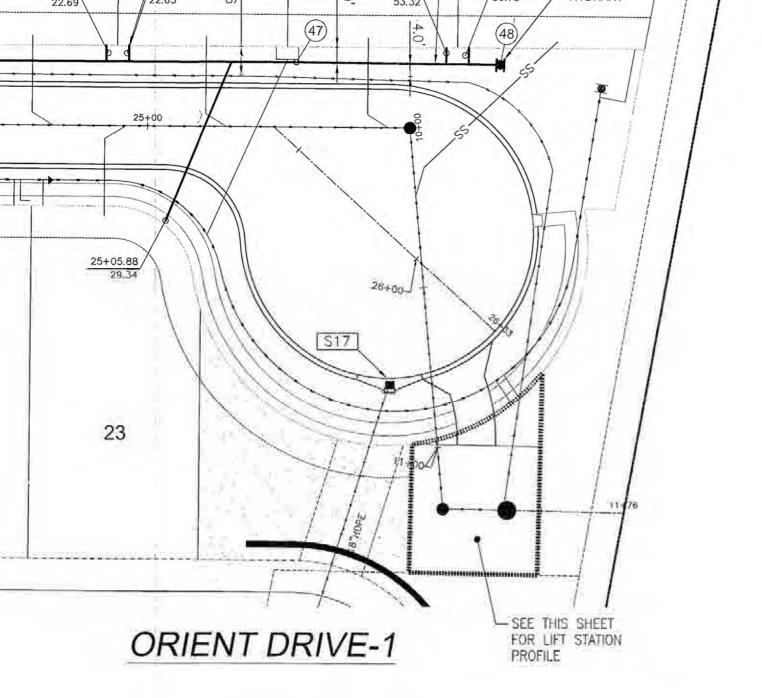
- AREAS DISTURBEI SODDED.
- 2. HOUSE WATER MI
 - 3. ALL WATER AND THE LATEST SJCU SPECIFICATIONS.
 - 4. IT IS THE REQUIR
 TO BE PLANTED
 OWNED OR MAINT
 LINES, THAT THE
 (BOTH WAYS) FRO
 EXISTING UTILITY
 CONSTRUCTION P
 LANDSCAPE/TREE
 WASTEWATER AND
 SPECIFICATIONS,
 - 5. CONTRACTOR TO CONSTRUCTION.

GATE VALVE NOTES:

AS-BUILT

INFORMATION PROVIDED BY: DATE: NAME: ADDRESS:

Y:
November 2017-January
Burnham Construction, In
11413 Enterprise East
Macclenny, Florida 32

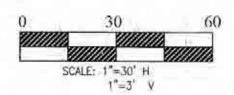


Point Table										
orthing	Easting	Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (inches)	SEPARATION	
9977.8	517287.0	N29*56'39.87"	W81°26'18.60"	25.9	28.9	3.0	· ·	6"		

3. AL TH SP

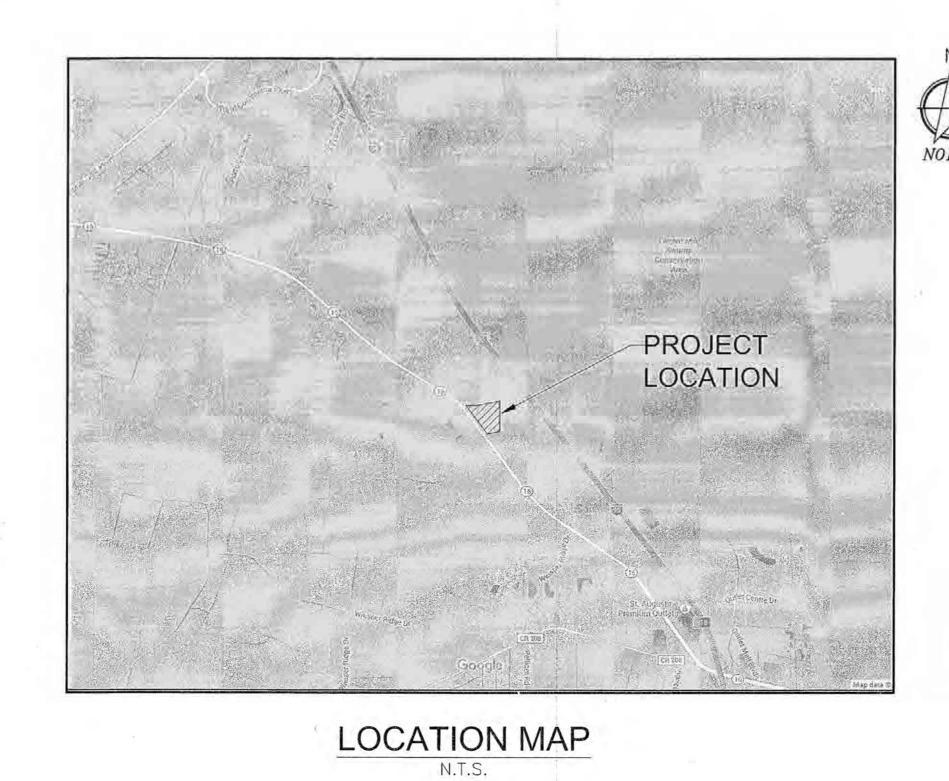
> . IT TO OW LIN (B EX CO

5. C



INFORMATION PROVIDED BY:
DATE:
NAME:
ADDRESS:
PHONE NO:

ST. JOHNS COUNTY, FLORIDA



INDEX OF

T-1 C8-C12

INFORMATION PROVIDED BY DATE:
NAME:
ADDRESS:
PHONE NO:
I HEREBY CERTIFY THAT THE CONSTRUCTION OF:

ITY DEPARTMENT

TANTS

E BLVD.

GROUP, INC. SUITE 204

(904) 854-4505

904) 777-8271

32256

32216

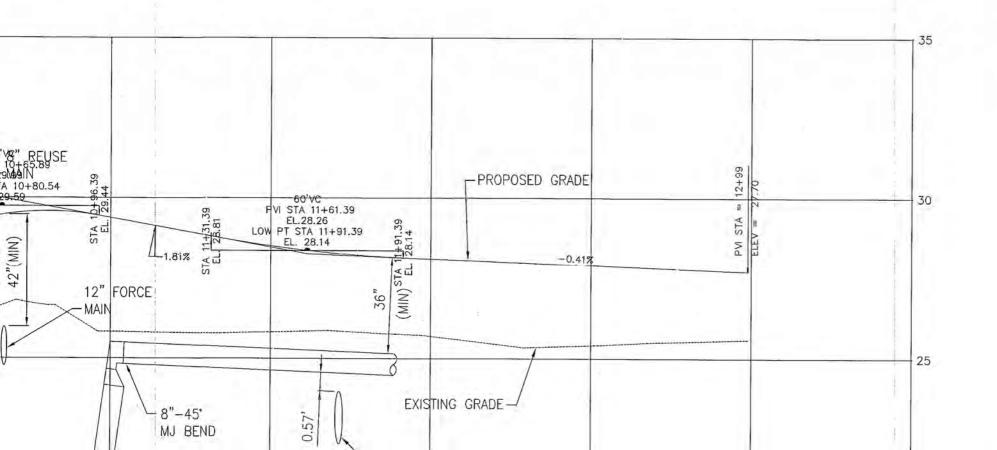
PING, LLC



TOMOKA PINES DRIVE

		F		
FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (Feet)	UTILITY SIZE Cinches2	SEPARATION
28.1	2.5	1.64	8"	n
27.9	2.4	121	8"	ń.
27.6	3.1	23.1	24"HDPE	0.7
27.9	3.7	9	8"	
27.9	3.1	9	8"	9
28.1	3.6		8"	12
28.1	3.0		6"	V7
28.1	70	1 2	6"	.165
27.7	2.6	23.8	15" RCP	0.6

				Poin	t Table						
Point #	Description	Northing	Easting	Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (Inches)	SEPARATION
53	top.10x8.reducer	2039017,5	516941.1	N29*56'30.35"	W81*26'22,49"	23.8	26.9	3.1		10"	-
54	CONFLICT	2039005,1	516921.6	N29'56'30.23"	W81*26'22.71"	18.0	25.5	7.5	20,1	12" FM	1.50
55	CONFLICT	2038997.1	516915.2	N29*56'30.15"	W81"26'22,79"	17.6	25.3	7.7	22.8	8" RU	4.5
56	CONFLICT	2038990.0	516906.2	N29'56'30.08"	W81*26'22.89"	15.8	23.5	7.7	26.8	30"x60" ERCP	7.6'
57	top.10x8.reducer	2038940.3	516843.3	N29'56'29.59"	W81"26'23.60"	19.6	27.3	7.7	N.	10"	
58	top.valve.8in	2038939.0	516841.7	N29*56'29.57"	W81"26'23.62"	21.0	23.9	2.9	X	8"	
59	top.wl.45bend	2038937.8	516840.2	N29'56'29.56"	W81*26'23.64"	19.5	23.9	4.4		8"	34
60	top.wl.45bend	2038931.2	516831.8	N29*56'29.49"	W81*26'23,73"	17.8	23.9	6.1		8"	34
61	top.tap.sleeve	2038910.2	516805,1	N29*56'29.29"	W81*26*24.03"	18.0	25.6	7,6	la-	8"	9.
62	top.valve.8in	2039105.1	517055.0	N29*56'31.23"	W81"26'21.20"	25.8	28.1	2.3	Ų	8"	91



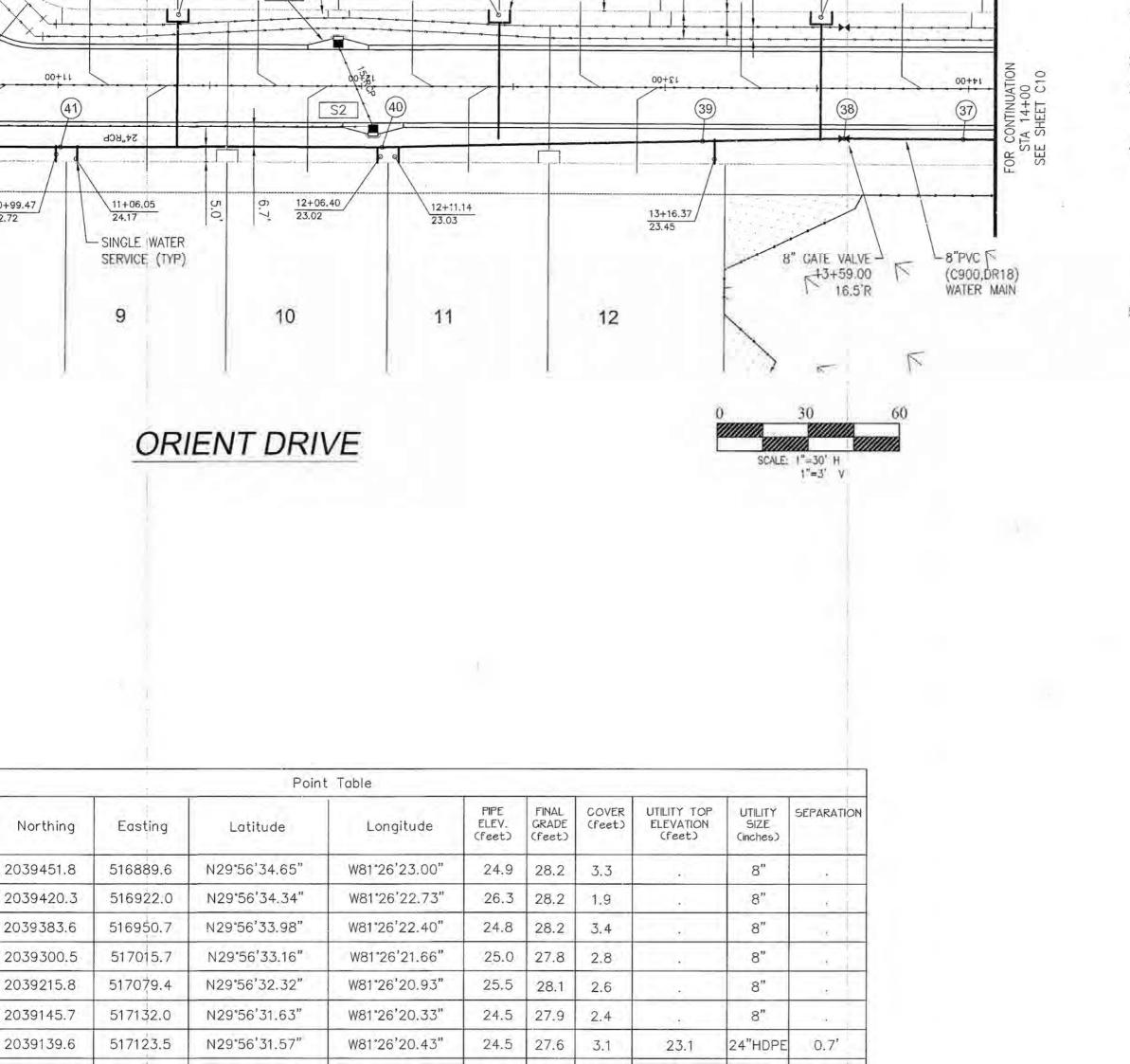
Hydrant Number	Manufa
48	M+

Valve Number	Size	Type	Manufacturer
47	6.	Gate	M+H
58	8.	Gate	M+H
62	8*	Gate	M+H

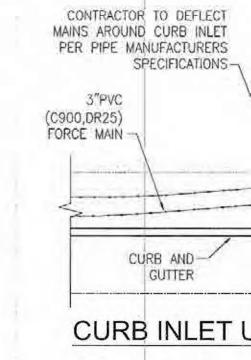
AS-BUILT

INFORMATION PROVIDED BY: DATE: NAME:

November 2017-January 2018 Burnham Construction, Inc.



- 1. AREAS DISTURBED IN FDOT RIGHT OF WAY SHALL B SODDED.
- 2. HOUSE WATER METER SIZES, SHALL BE 5/8" MINIM
- 3. ALL WATER AND SEWER CONSTRUCTION SHALL COMP THE LATEST SJCUD CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 4. IT IS THE REQUIREMENT OF SJCUD THAT WHEN TRE TO BE PLANTED OR TO REMAIN LOCATED NEAR PUB OWNED OR MAINTAINED PROPPOSED OR EXISTING U LINES, THAT THE TREES MUST NOT BE WITHIN 7.5 I (BOTH WAYS) FROM THE CENTERLINE OF THE PROP EXISTING UTILITY LINE. PLEASE ENSURE THAT THE U CONSTRUCTION PLANS ARE COORDINATED WITH THE LANDSCAPE/TREE MITIGATION PLANS. (MANUAL OF W WASTEWATER AND REUSE DESIGN STANDARDS AND SPECIFICATIONS, PART VI, SJCUD GENERAL NOTES).
- 5. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRI CONSTRUCTION.



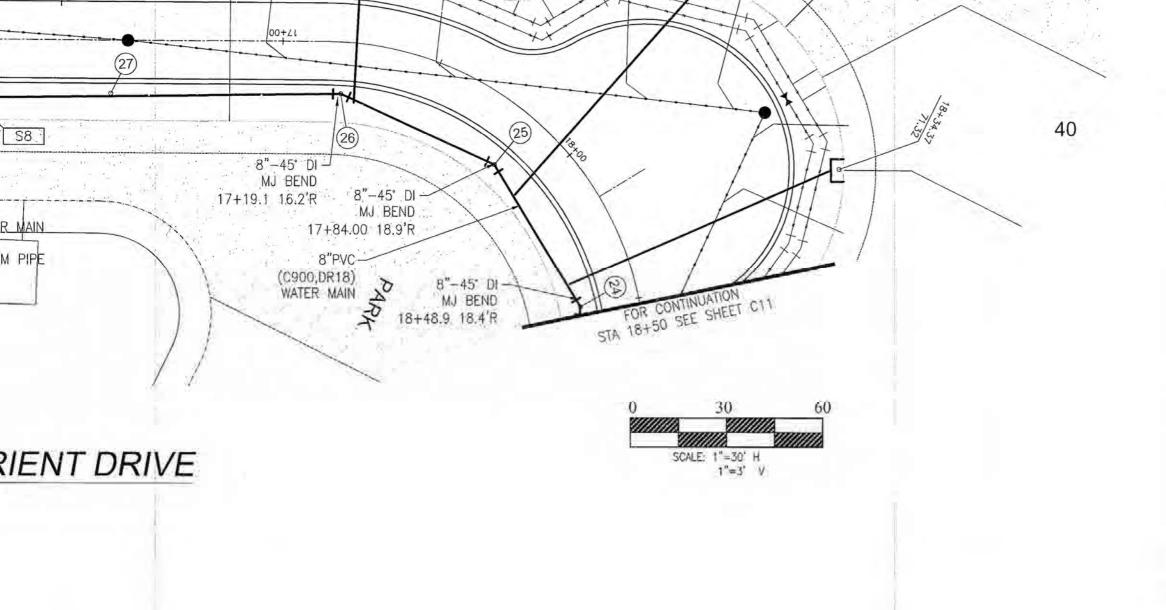
AS-BUILT

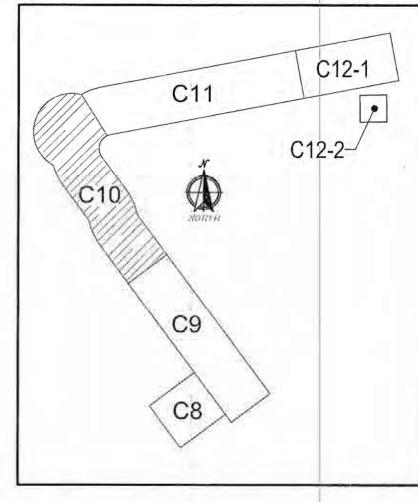
INFORMATION PROVIDED BY: ADDRESS PHONE NO

Burnham Construction. Inc. 11413 Enterprise East Blvd. Macclenny, Florida 32063 (904) 256-5360 I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USE

CONSTRUCTION OF: Curb + Gutter

X Water Main
Reclaimed Wate Sorm + Drainage System Lake or Pond

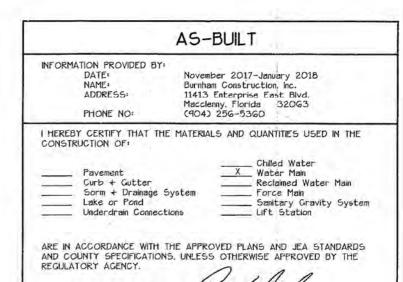




Hydrant Number	Manufacturer	Date of Manufacture and Installation		
52	M+H	2017/2018		

Туре	Manufacturer	#Turns to Open	Depth of Nut	Direction to Open	
Gate	M+H	19.5	2.0'	Left	

Point Table									
Easting	Latitude	Longitude	PIPE ELEV. (feet)	FINAL GRADE (feet)	COVER (feet)	UTILITY TOP ELEVATION (feet)	UTILITY SIZE (inches)	SEPARATION	
516728.5	N29°56 38.25"	W81*26'24.94"	25.6	28.8	3.2		8"		
516709.4	N29°56'37.77"	W81°26'25.16"	25.6	28.7	3.1		8"	16	
516720.7	N29°56'37 26"	W81°26'25 03"	247	20.5	7.0		0"		

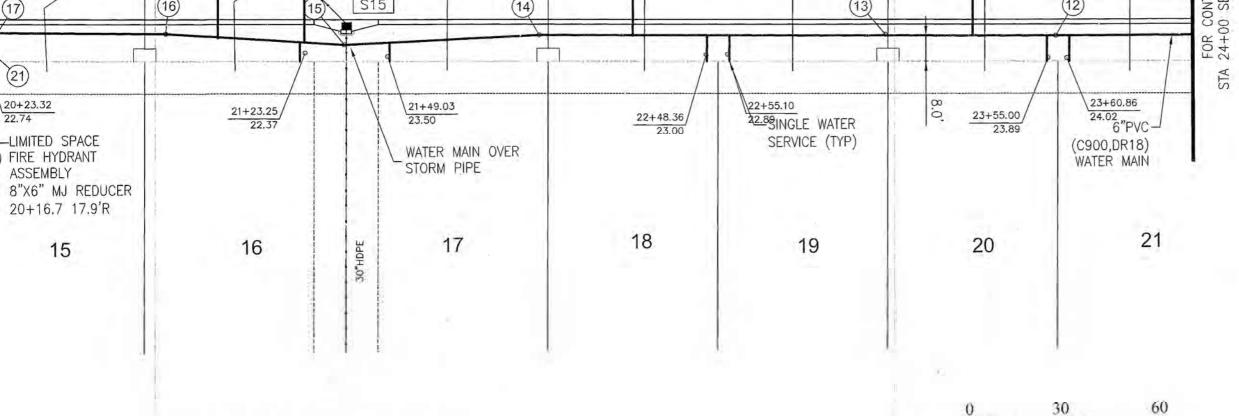


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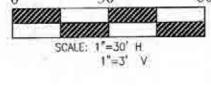
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ARE AT THE HC
'AS-BUILT' DRA'
SURVEYING AND
5J-17.051 AND

ELECTRONIC DR.



FINAL COVER LITHTY TOP LITHTY GERARATION



Hydrant Number	Manufacturer	Date of Manufacture and Installation
63	M+H	2017/2018

Point Table

ORIENT DRIVE

Size	Туре	Manufacturer	#Turns to Open	Depth of Nut	Direction to Open		
6.	Gate	W+H	29.5	2.2'	Left		
8.	Gate	M+H	25.5	2.0*	Left		

AS-BUILT

AREAS DISTURBED
 SODDED.

2. HOUSE WATER M

3. ALL WATER AND THE LATEST SJC

4. IT IS THE REQUIF

SPECIFICATIONS.

OWNED OR MAIN LINES, THAT THE

(BOTH WAYS) FR

EXISTING UTILITY

CONSTRUCTION F LANDSCAPE/TREE WASTEWATER AND SPECIFICATIONS,

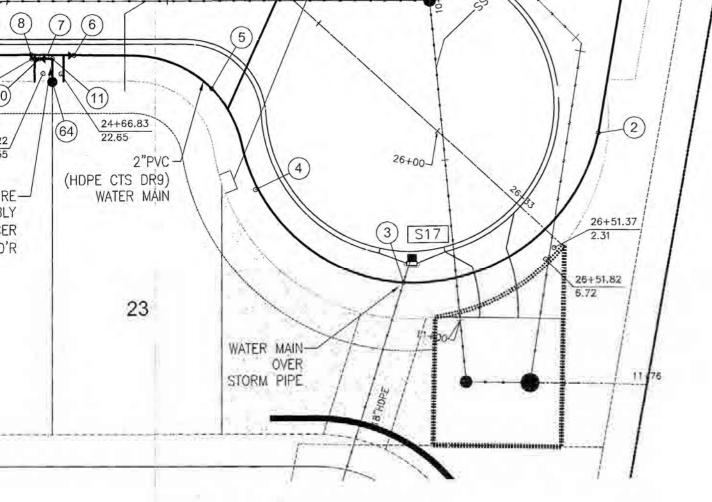
CONTRACTOR TO CONSTRUCTION.

GATE VALVE NOTES:

a infrarescent

INFORMATION PROVIDED BY: DATE: NAME: ADDRESS:

BY: November 2017-Janus Burnham Construction 11413 Enterprise East Macclenny, Florida (904) 256-5360



ORIENT DRIVE-1

Hydrant Number	Manufacturer	Date of Manufacture and Installation
64	M+H	2017/2018

er	Size	Туре	Manufacturer	#Turns to Open	Depth of Nut	Direction to Open		
	6.	Gate	M+H	19.5	1.9	Left		

INFORMATION PROVIDED
DATE:
NAME:
ADDRESS:

Point Table

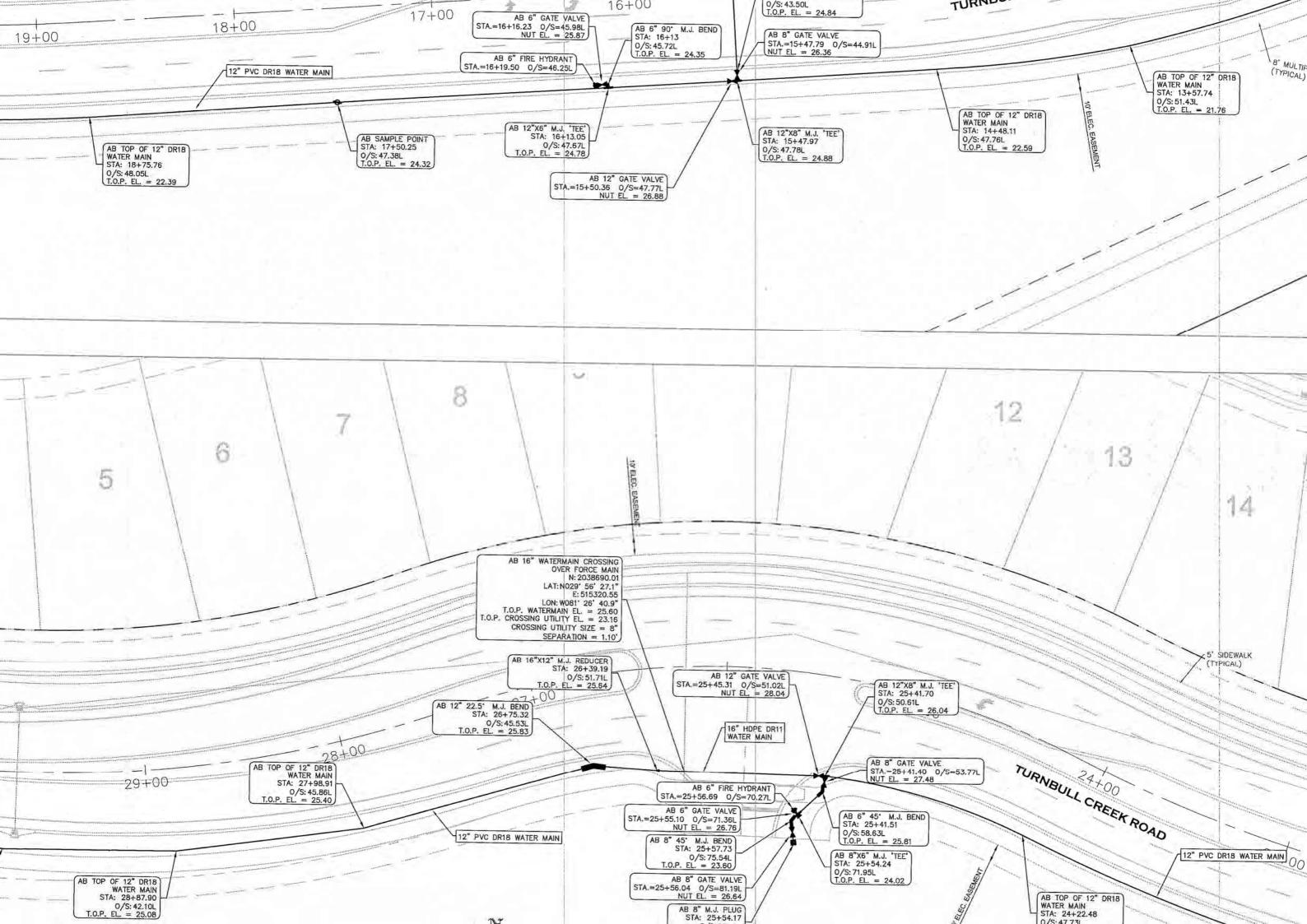
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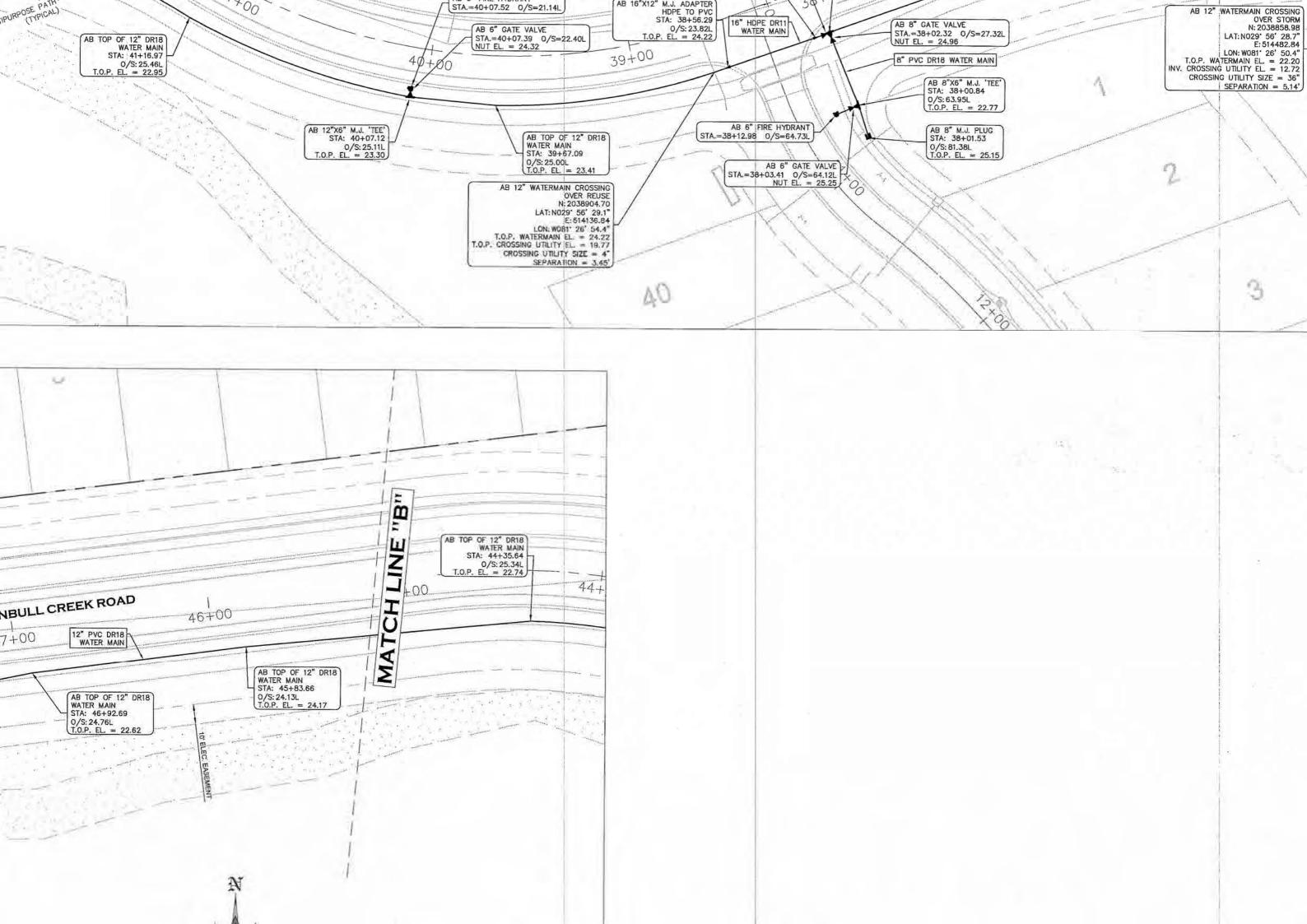
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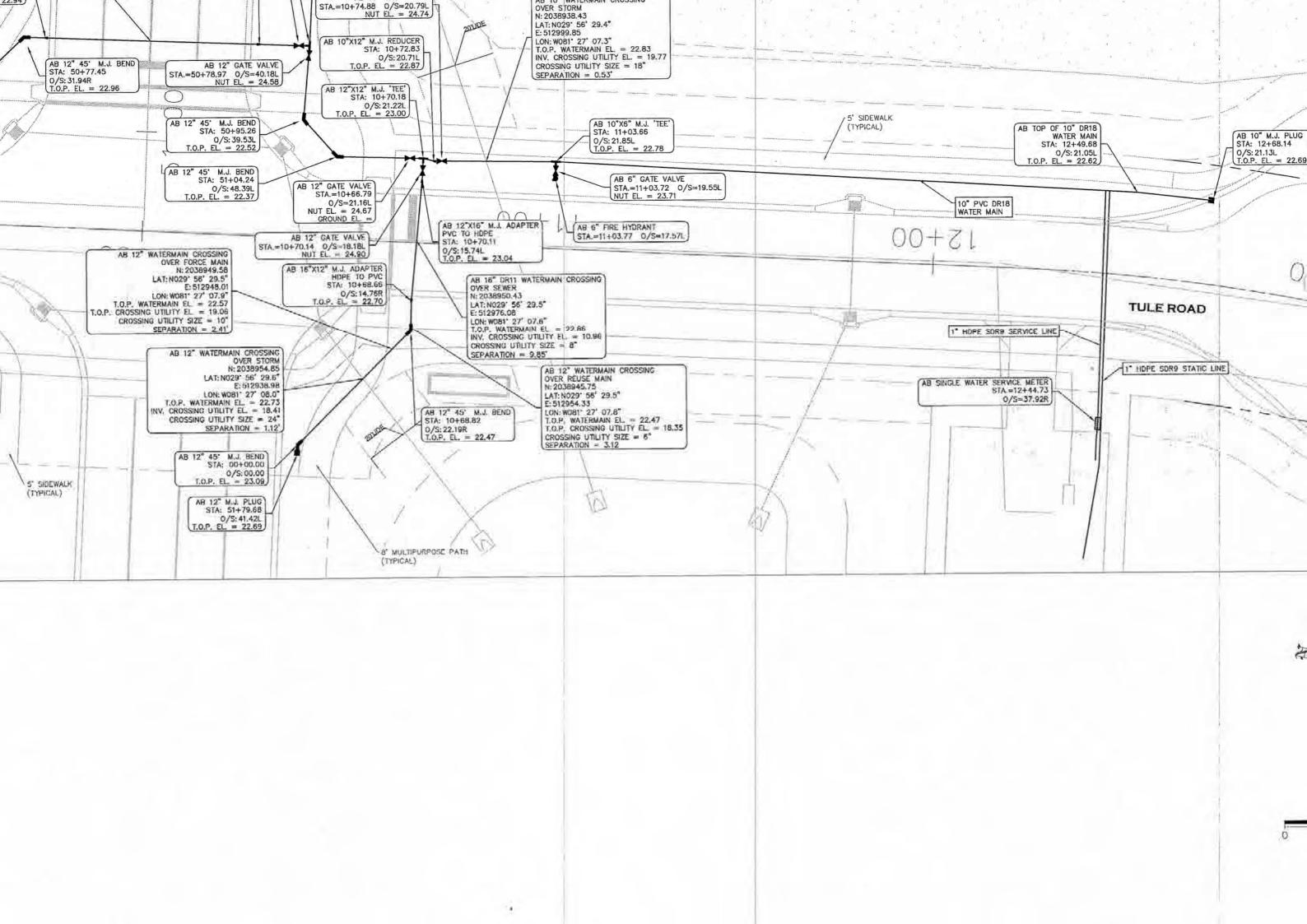
2021 NW Grand Oaks Phase 1 **As Built Drawings**

PROJECT LOCATION

LOCATION MAP

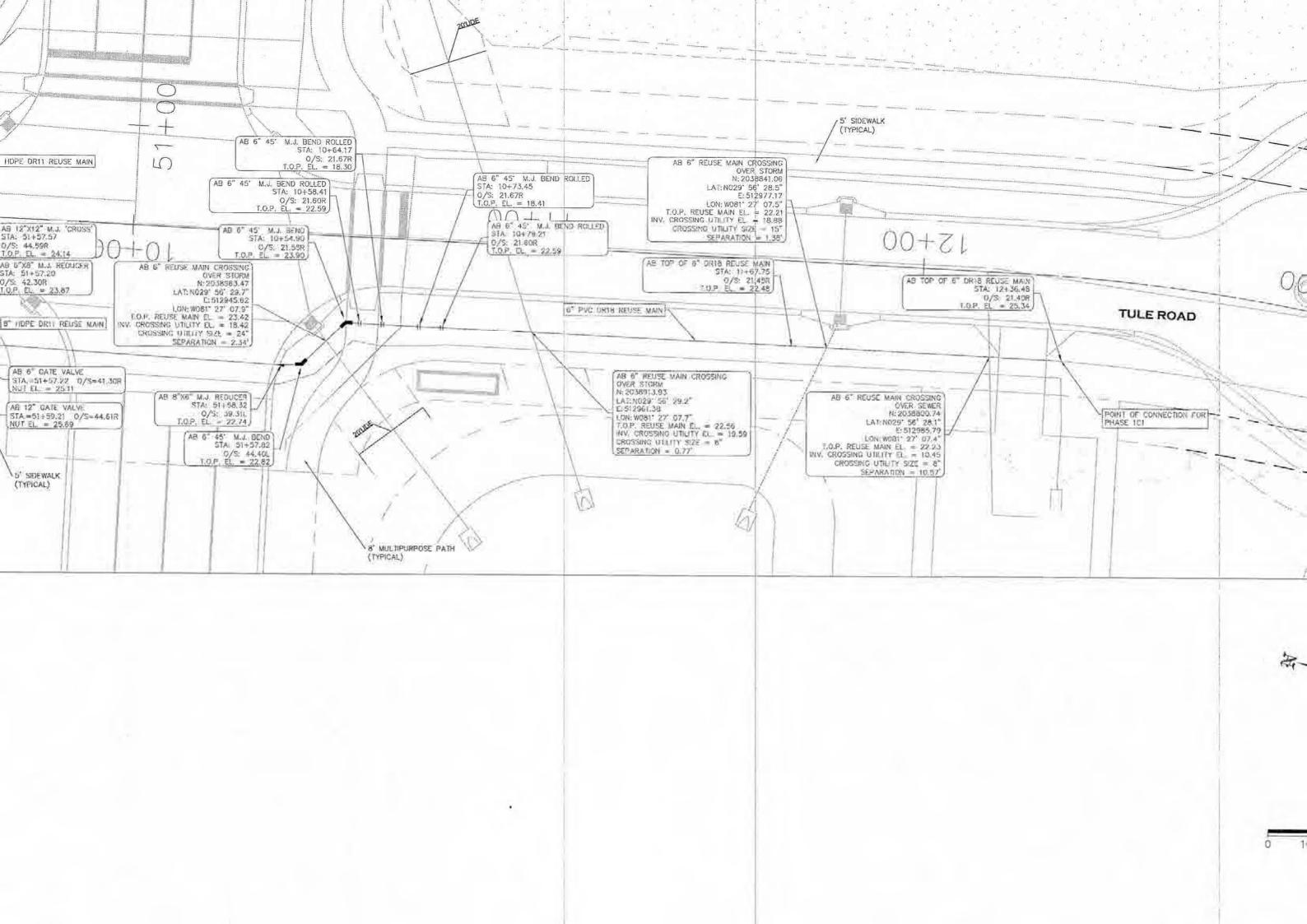


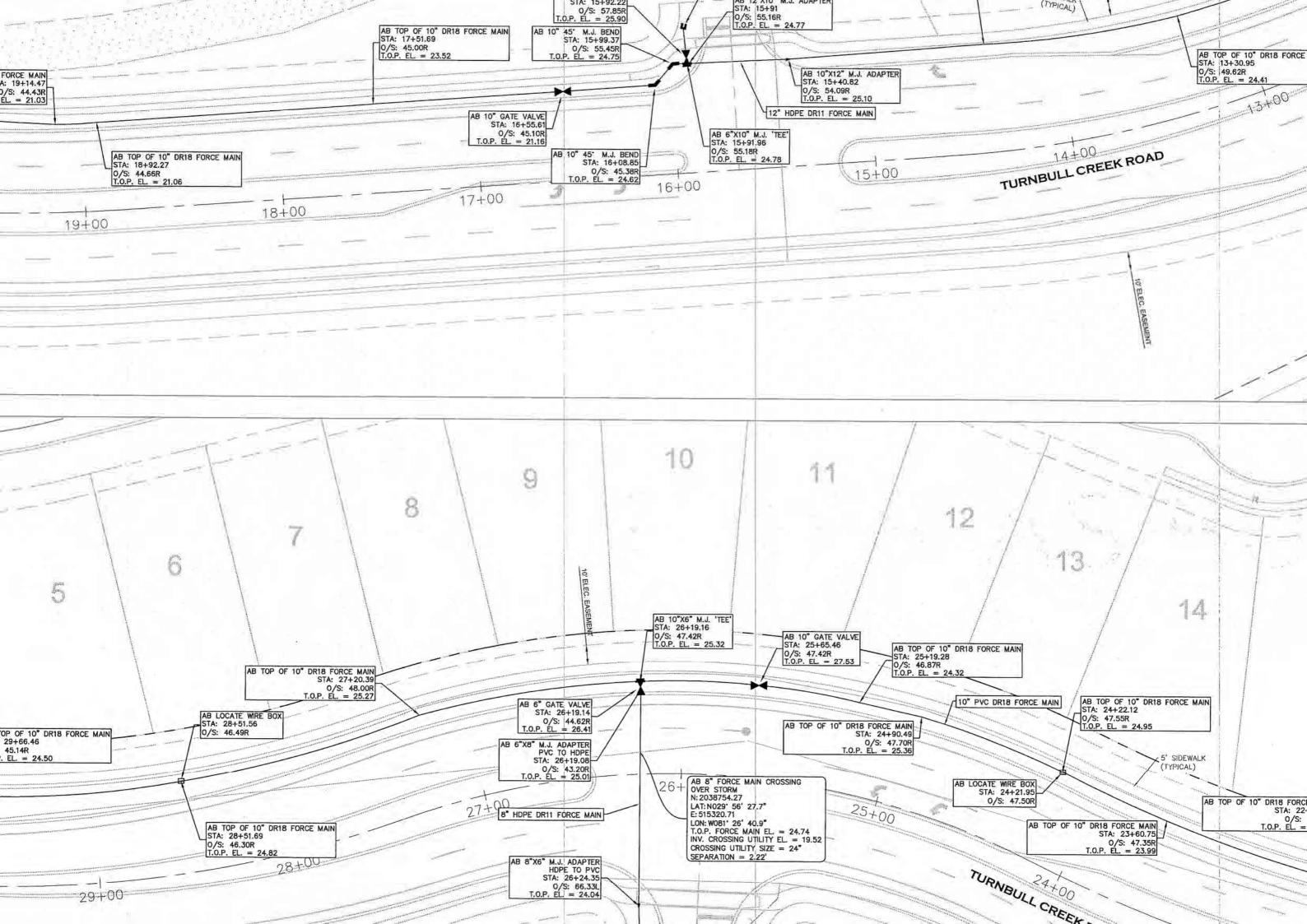






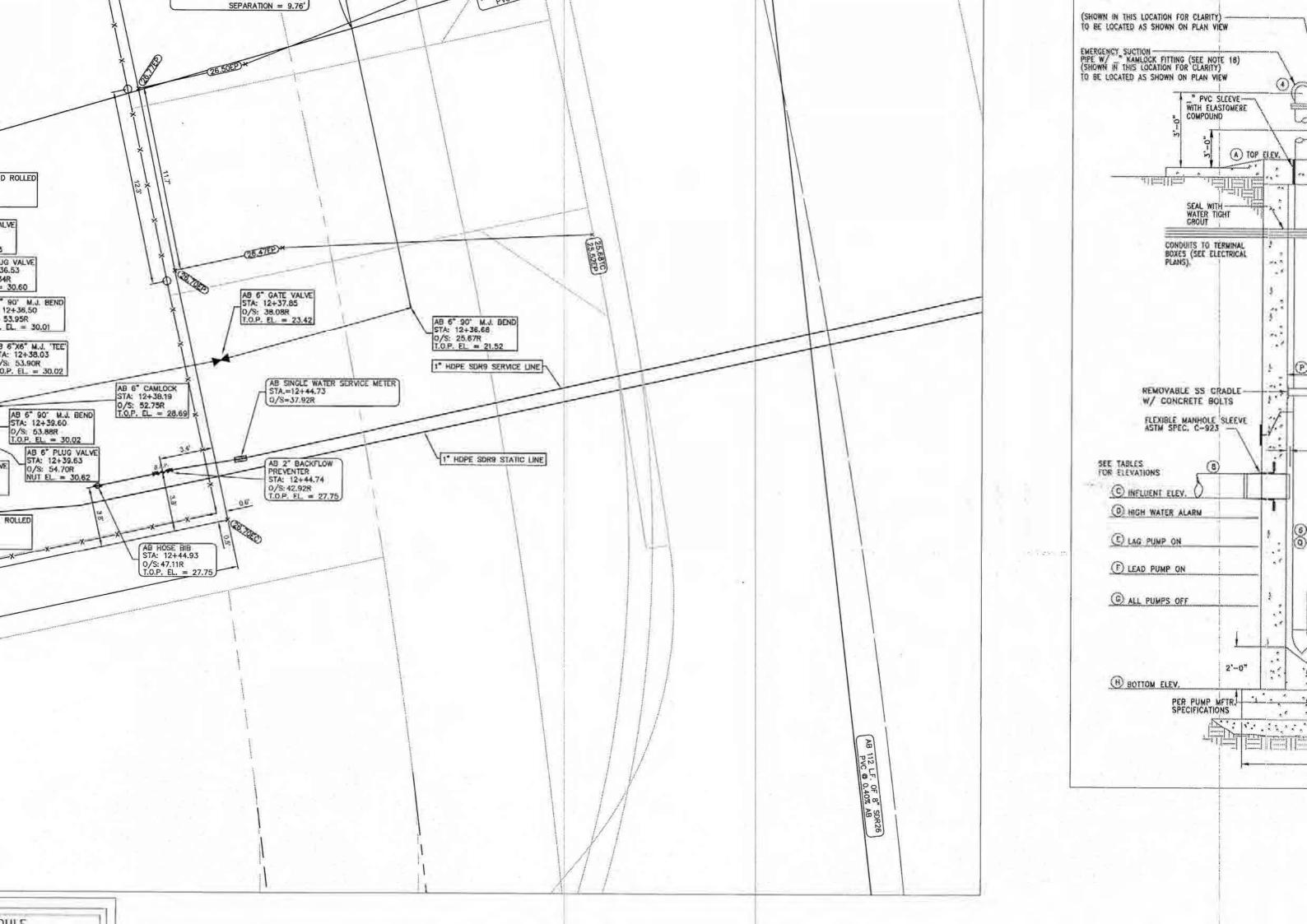


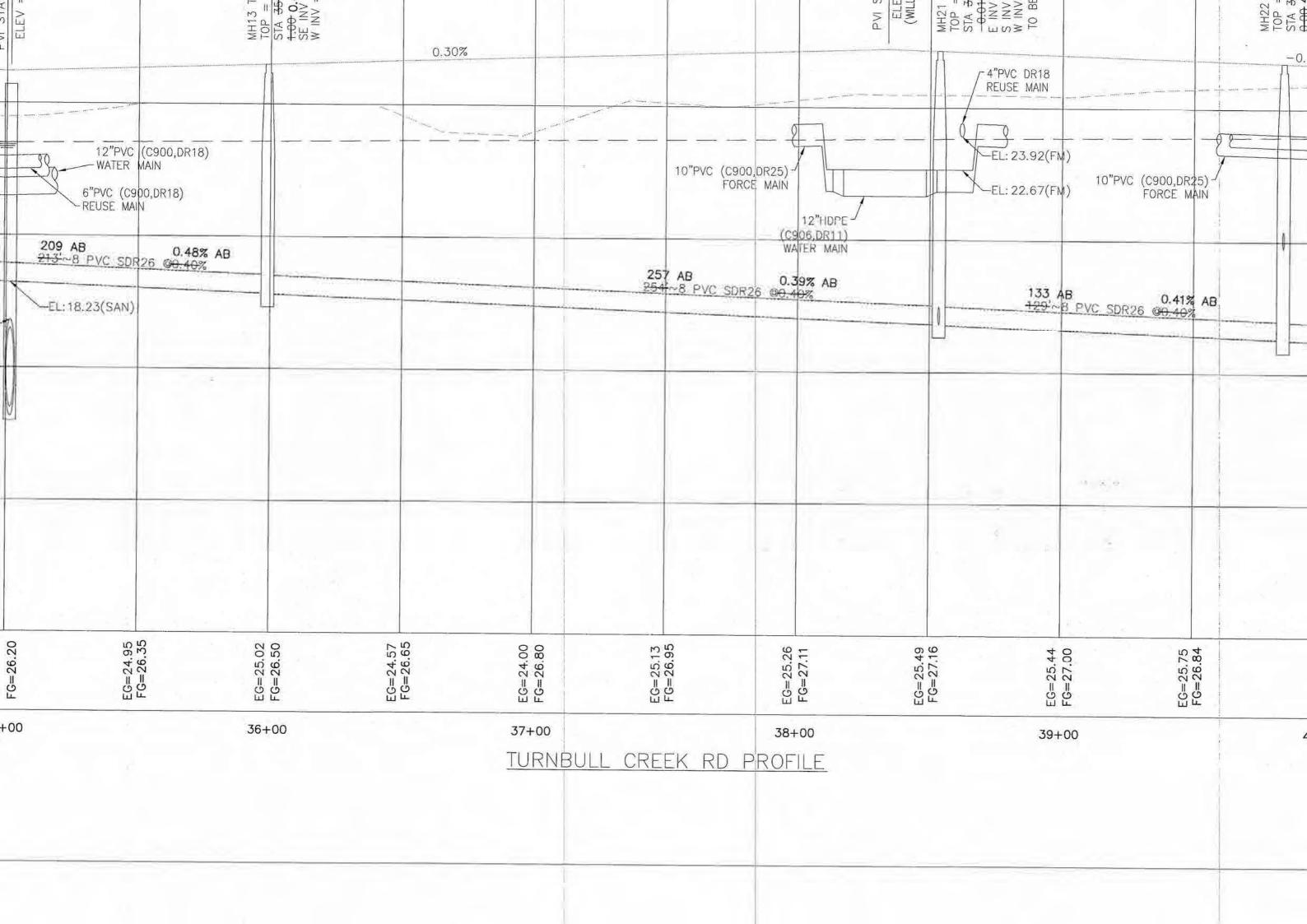




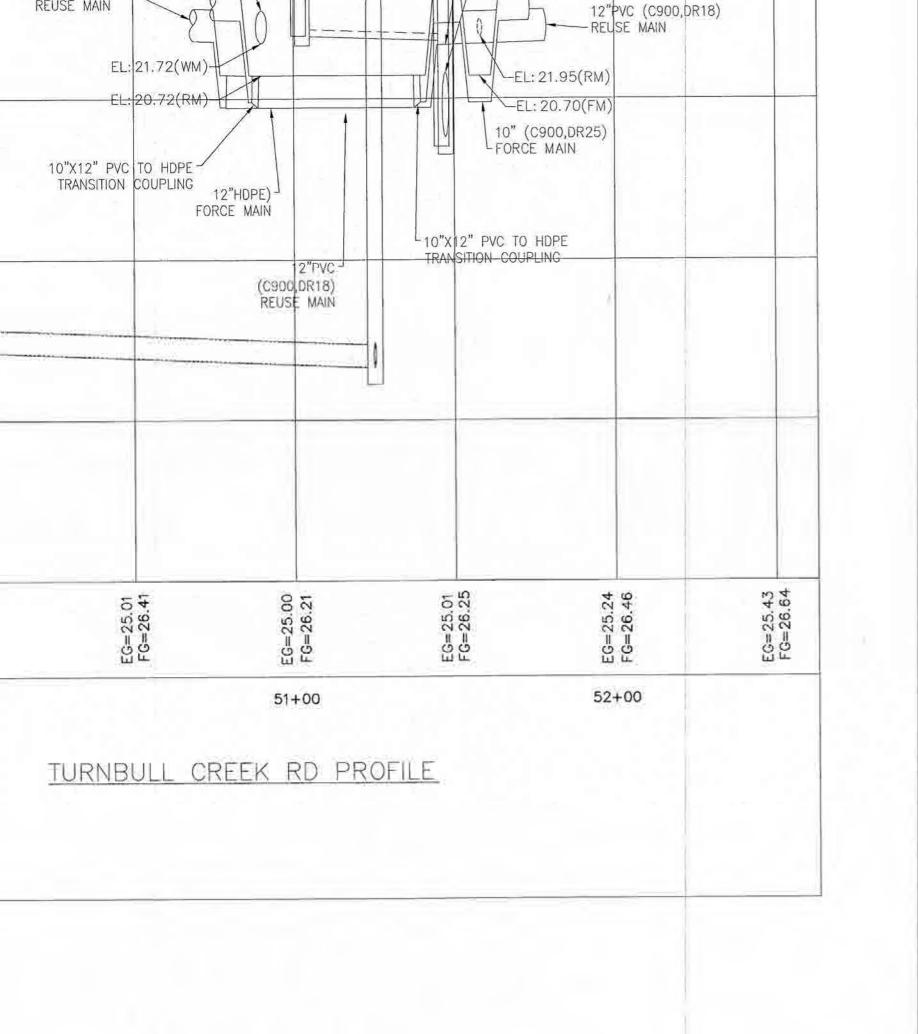


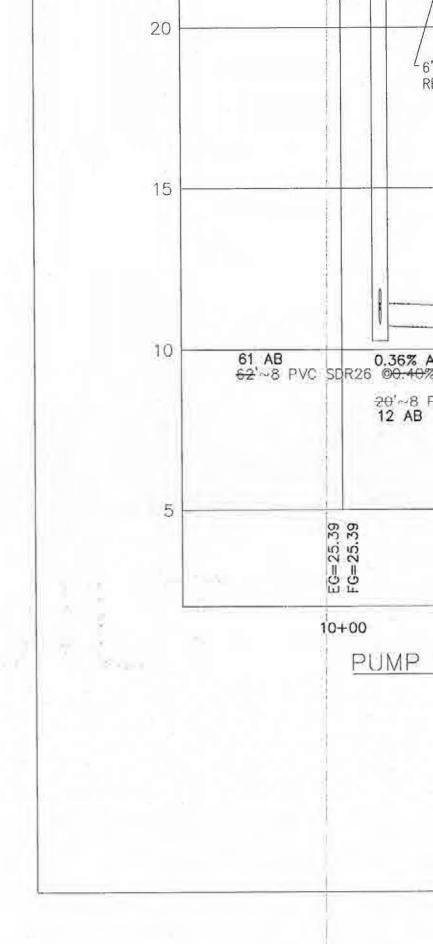


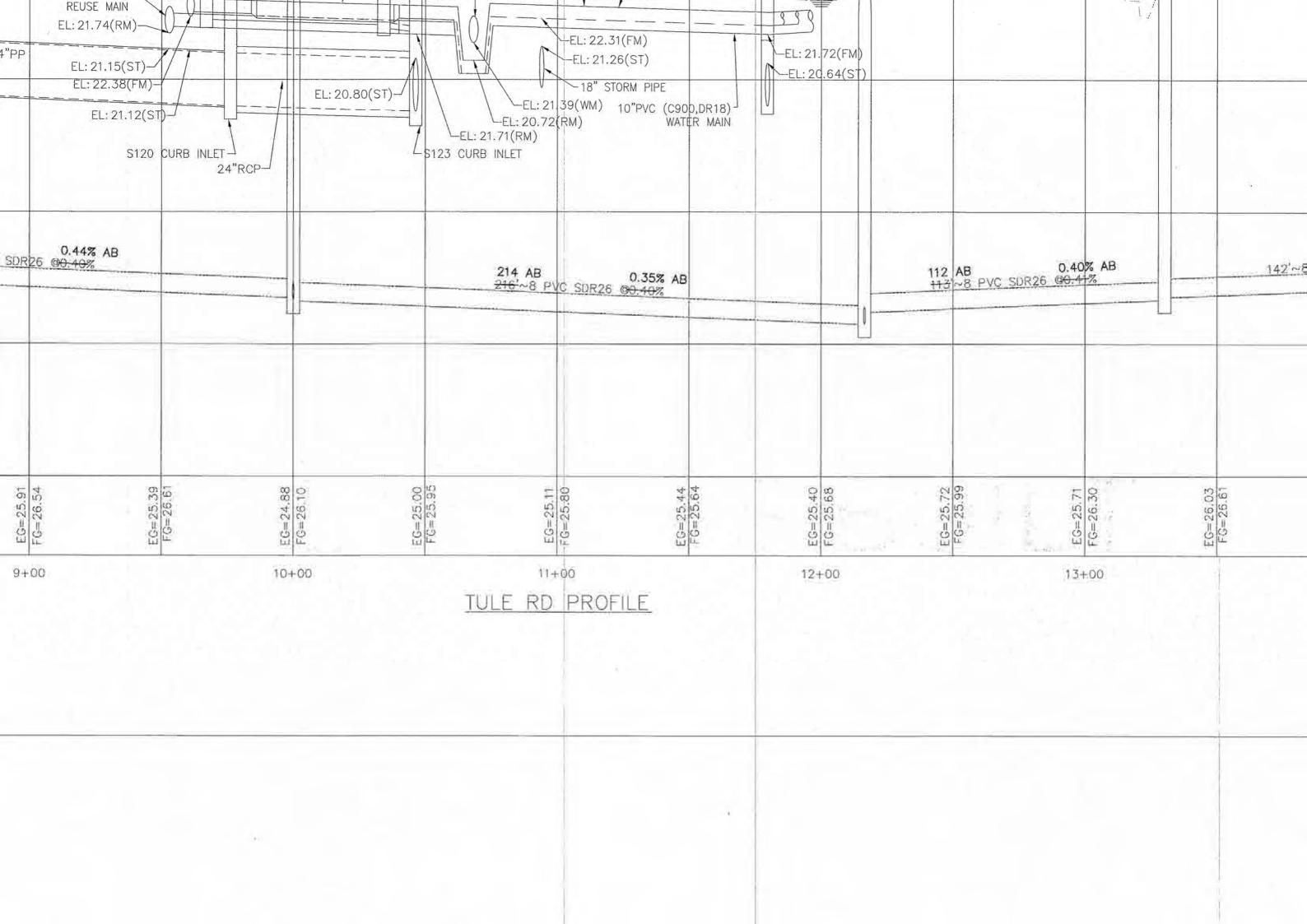


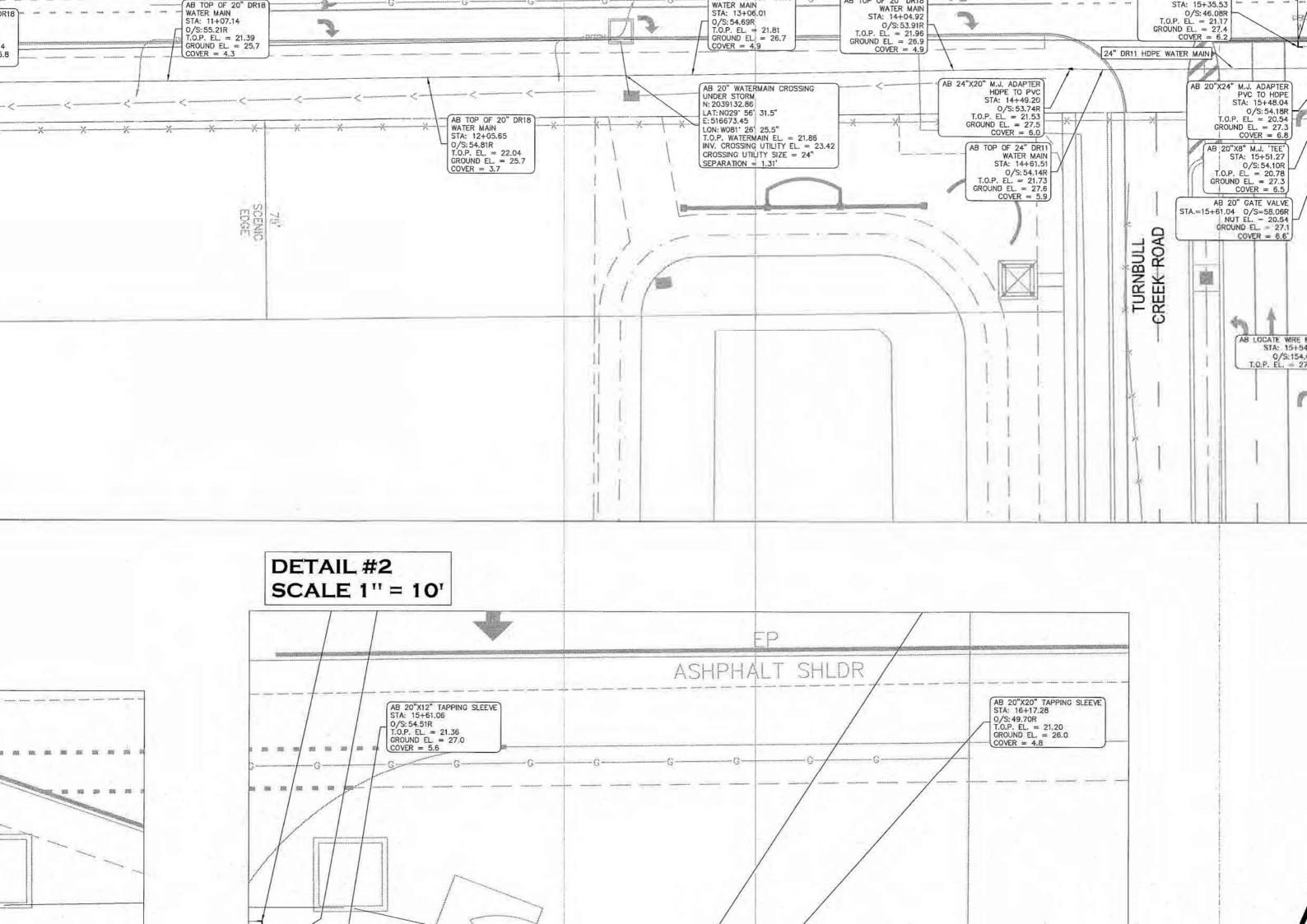


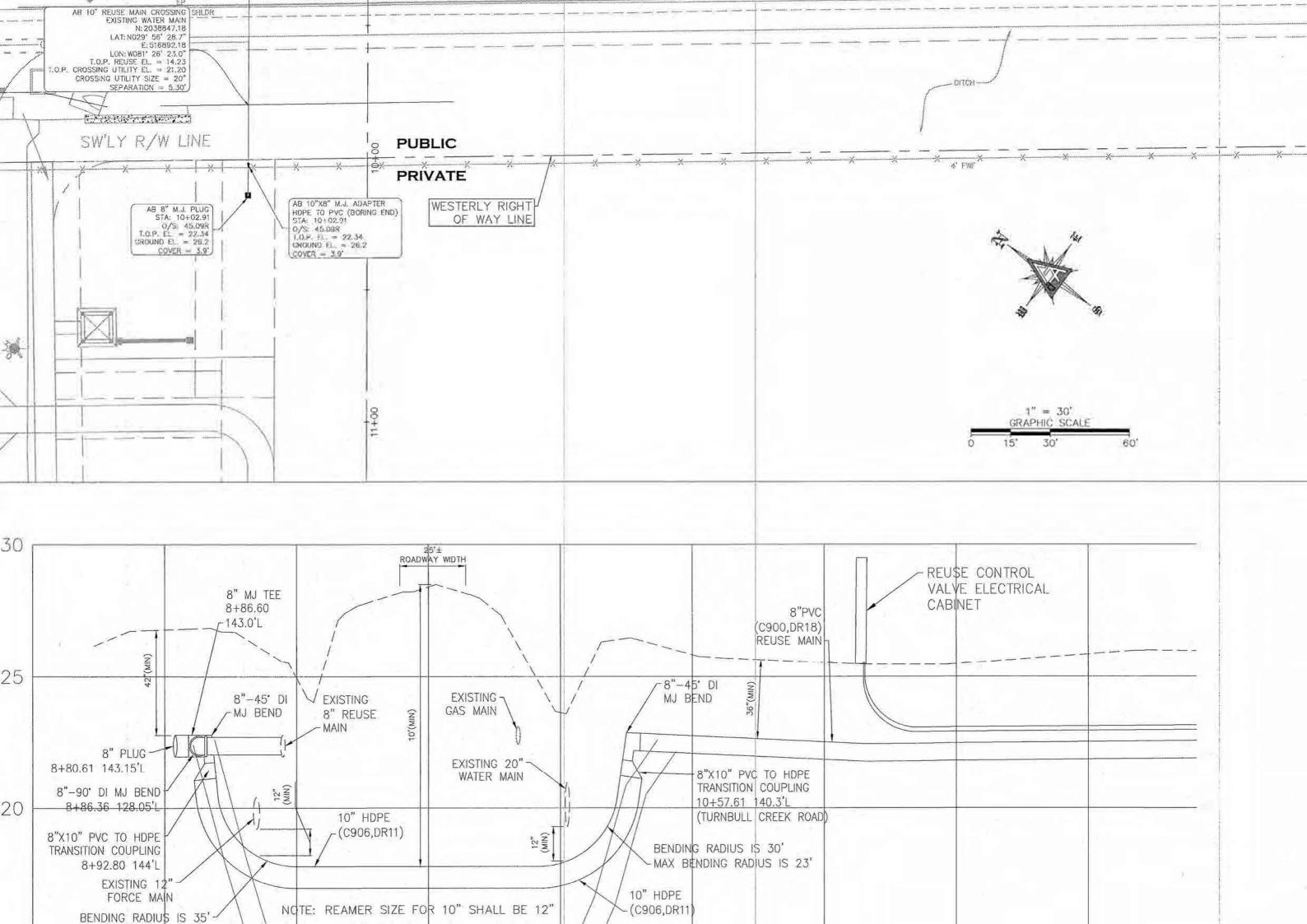
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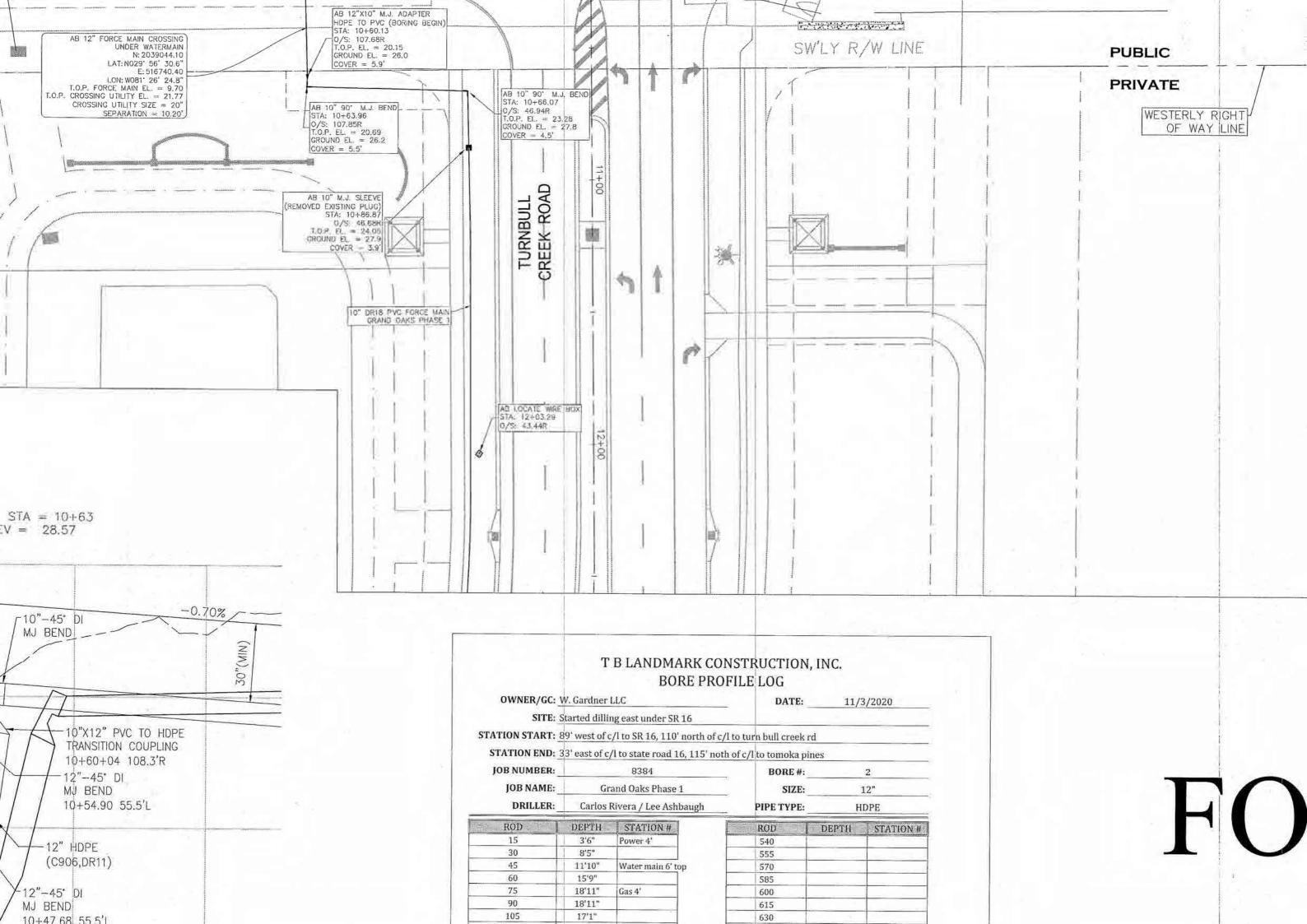












2022 MWS Grand Oaks Offsite Watermain **As Built Drawings**



AS-BUILT) AS

VICINITY MAP

LEGEND

± - DENOTES PLUS OR MINUS

AB - DENOTES AS-BUILT

AL - DENOTES ARC LENGTH

ALUM - DENOTES ALUMINUM

BM - DENOTES BENCHMARK

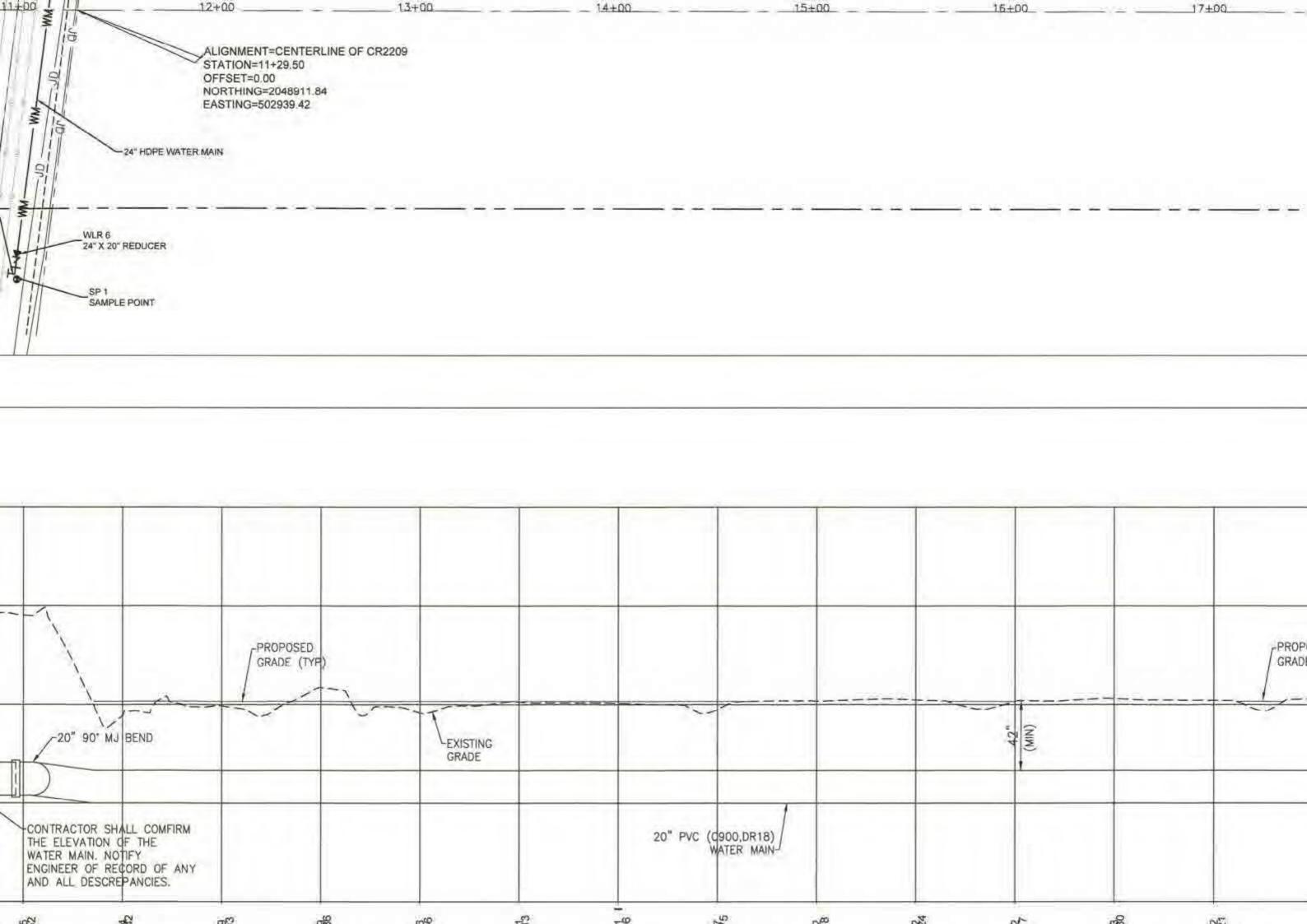
BOC - DENOTES BACK OF CURB

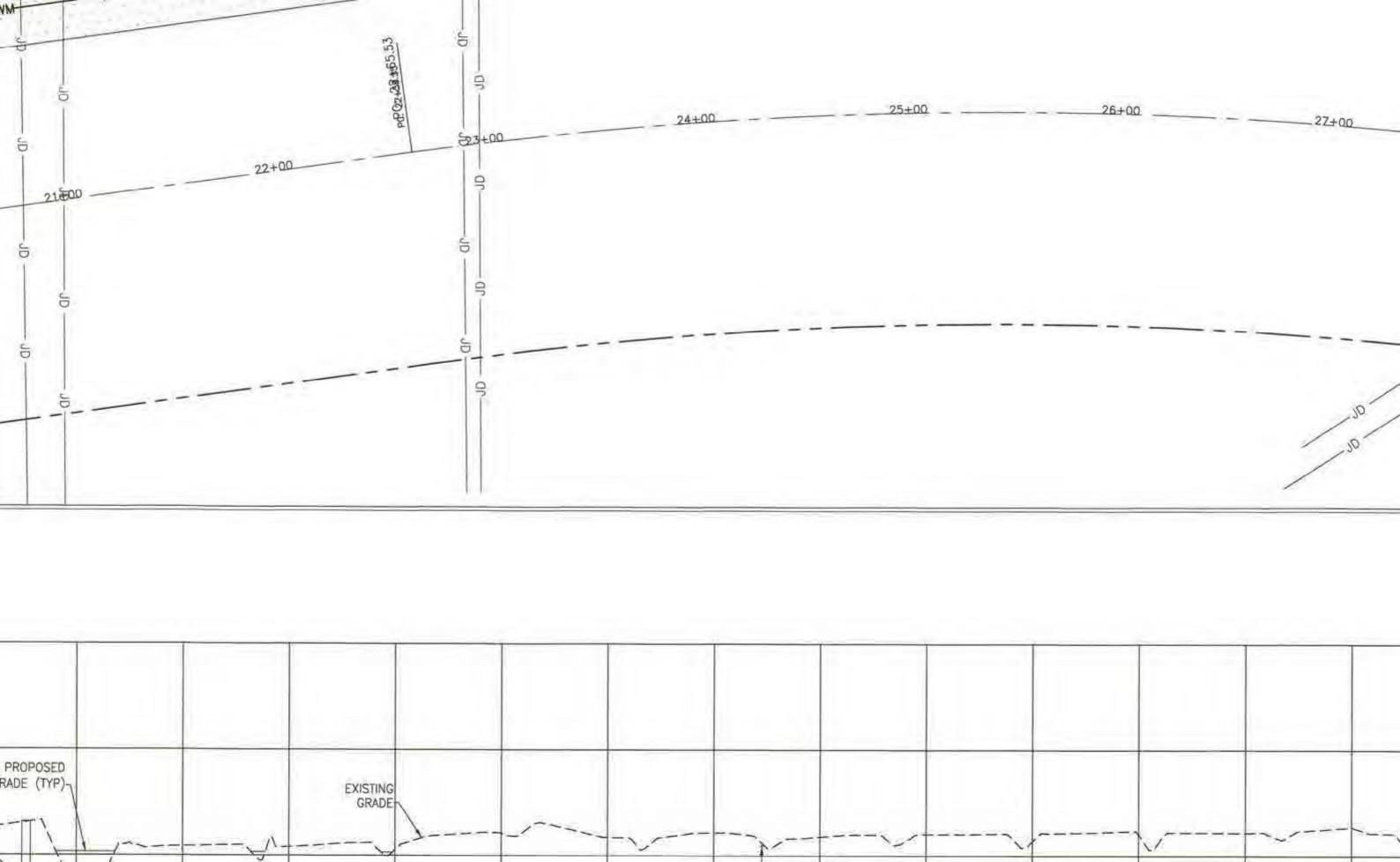
E - DENOTES CENTERLINE

C# - DENOTES CURVE NUMBER

C/L - DENOTES CENTERLINE

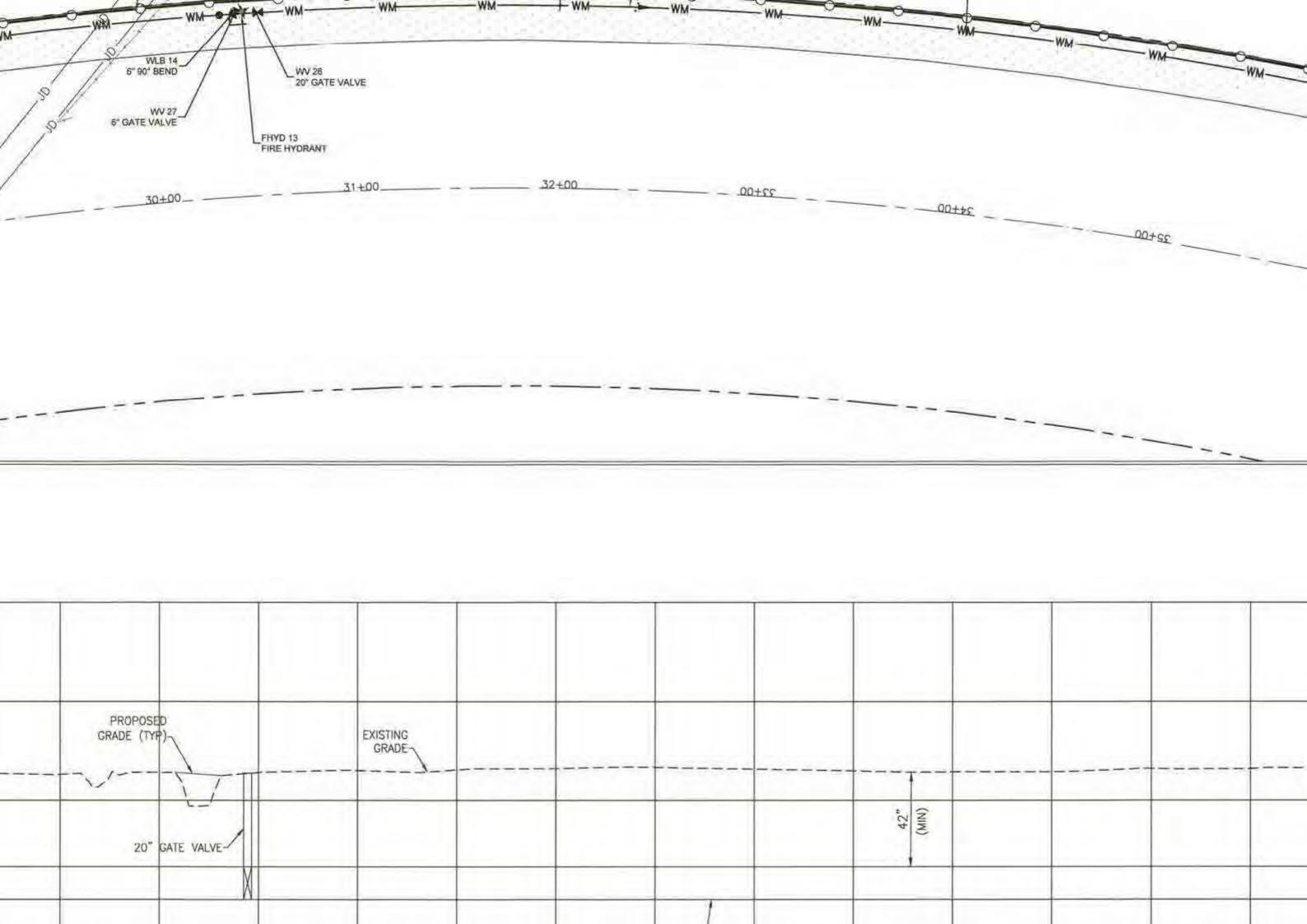
CO - DENOTES CHOPD BEADING

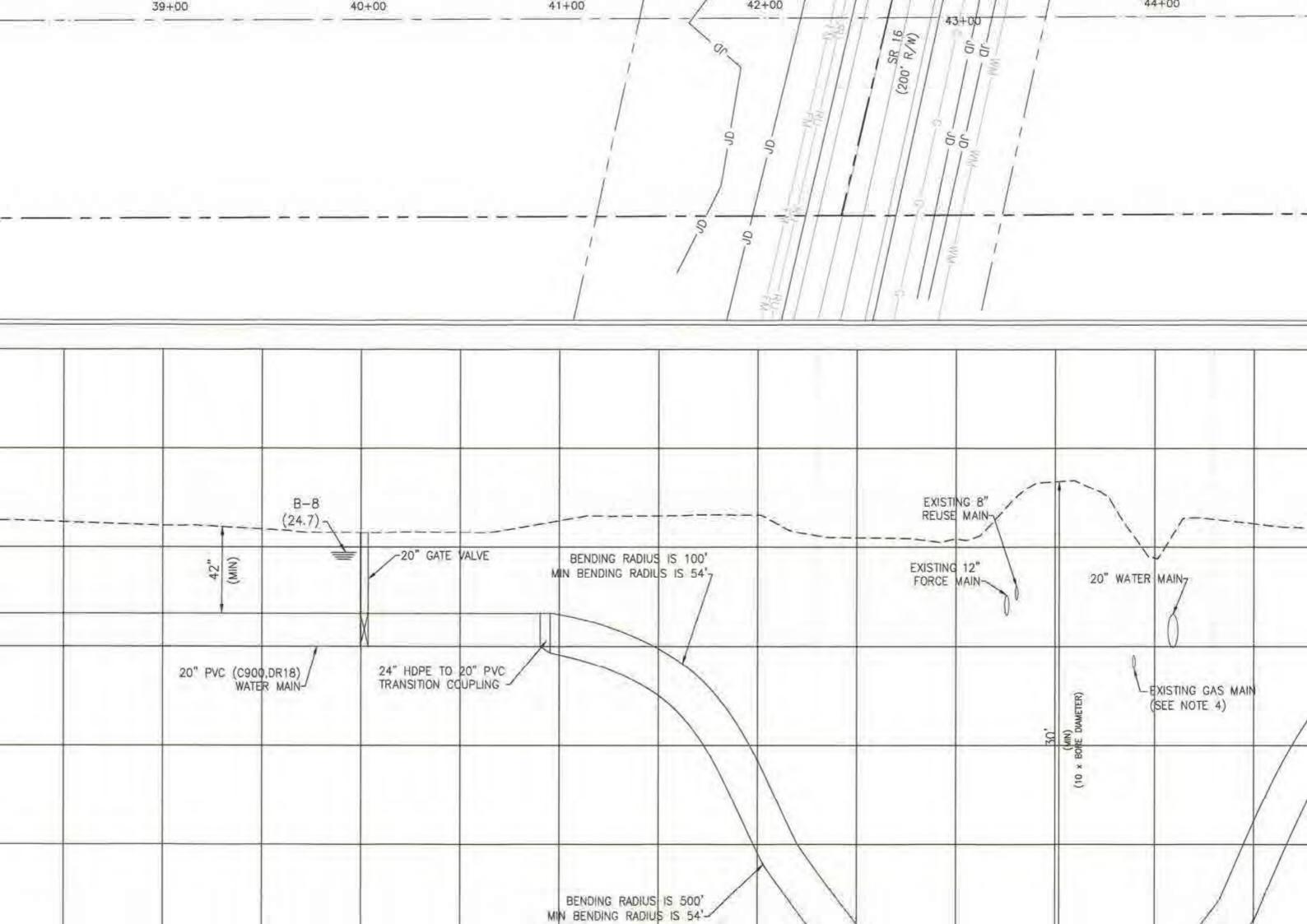




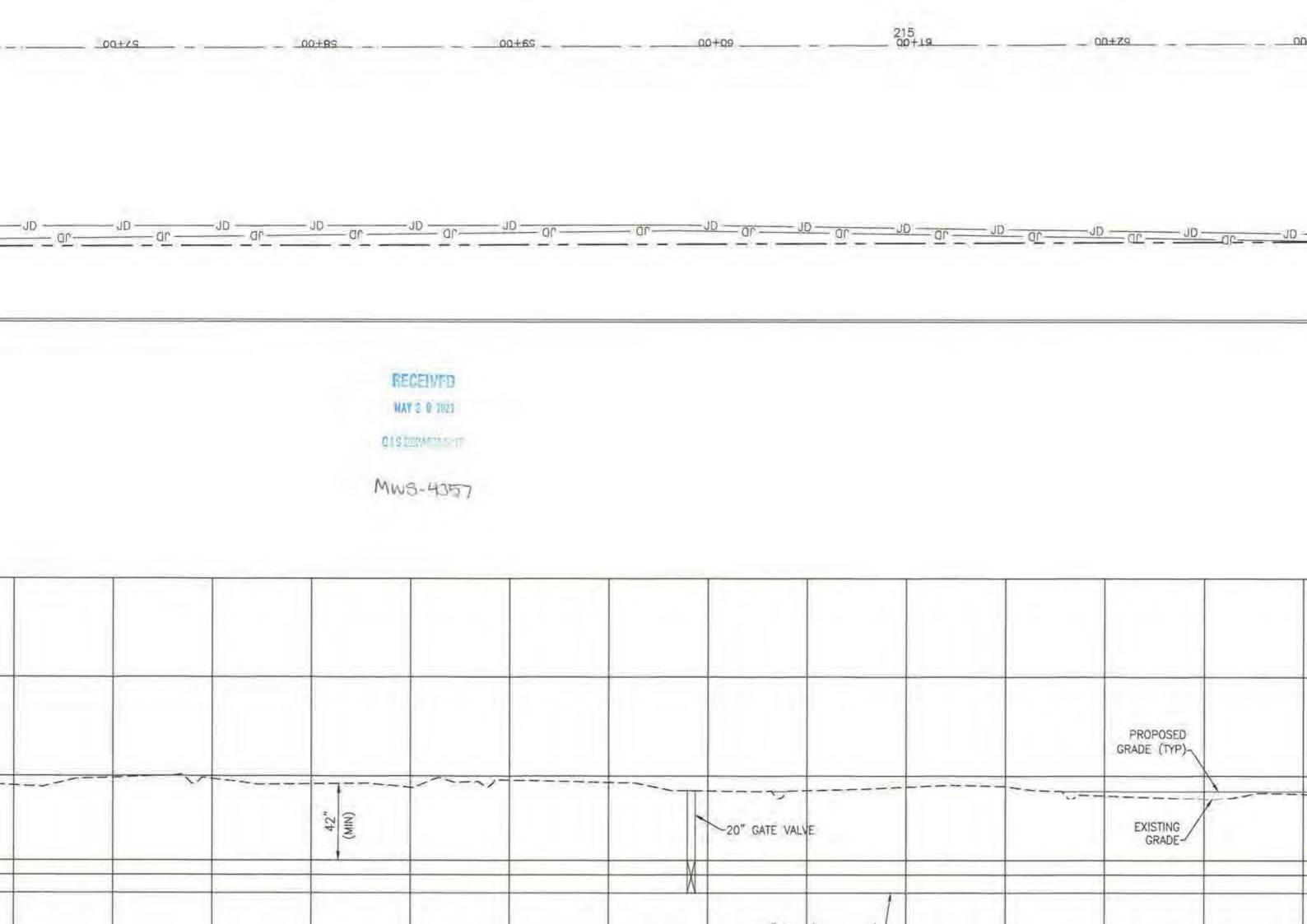
EXISTING GRADE

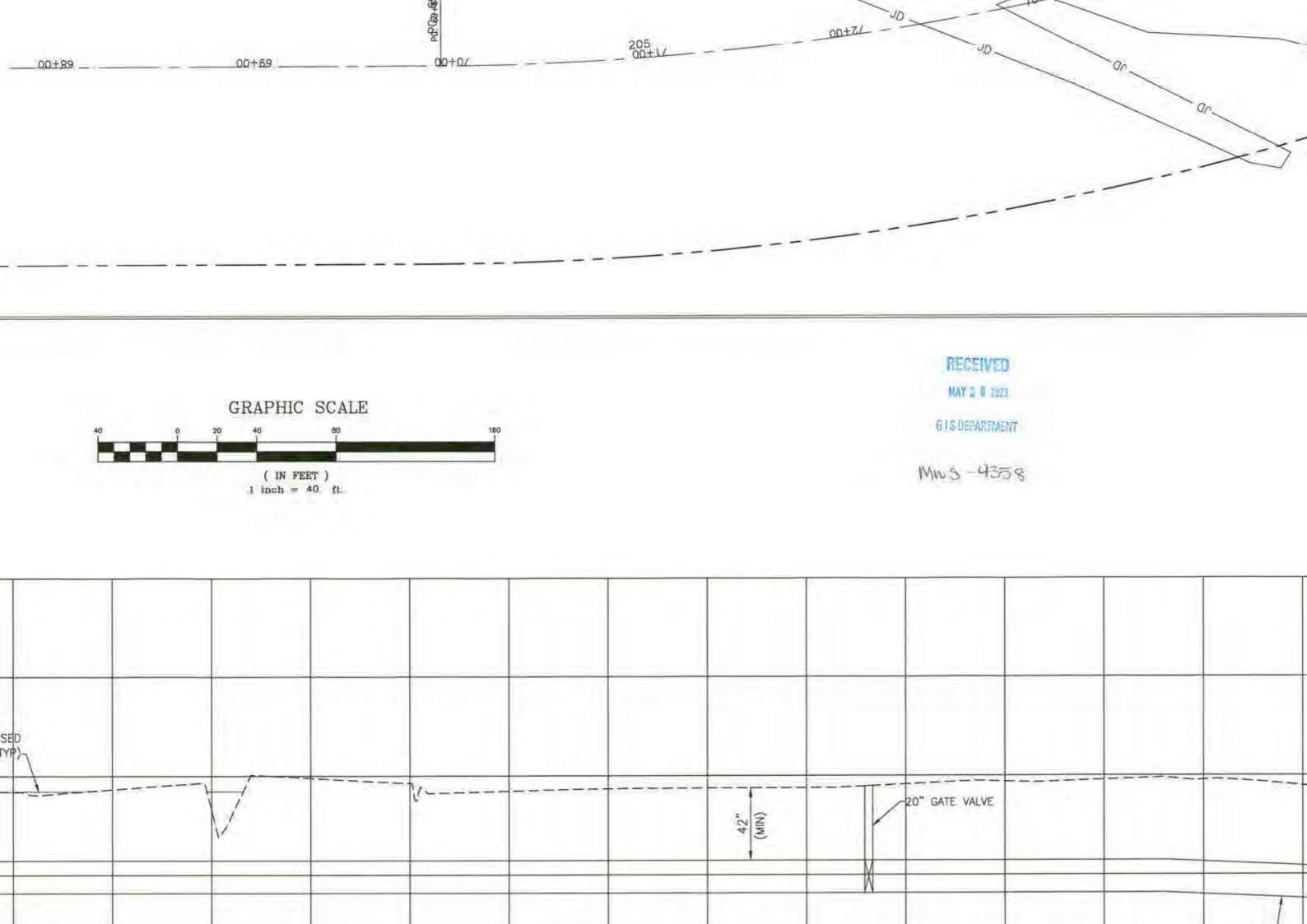
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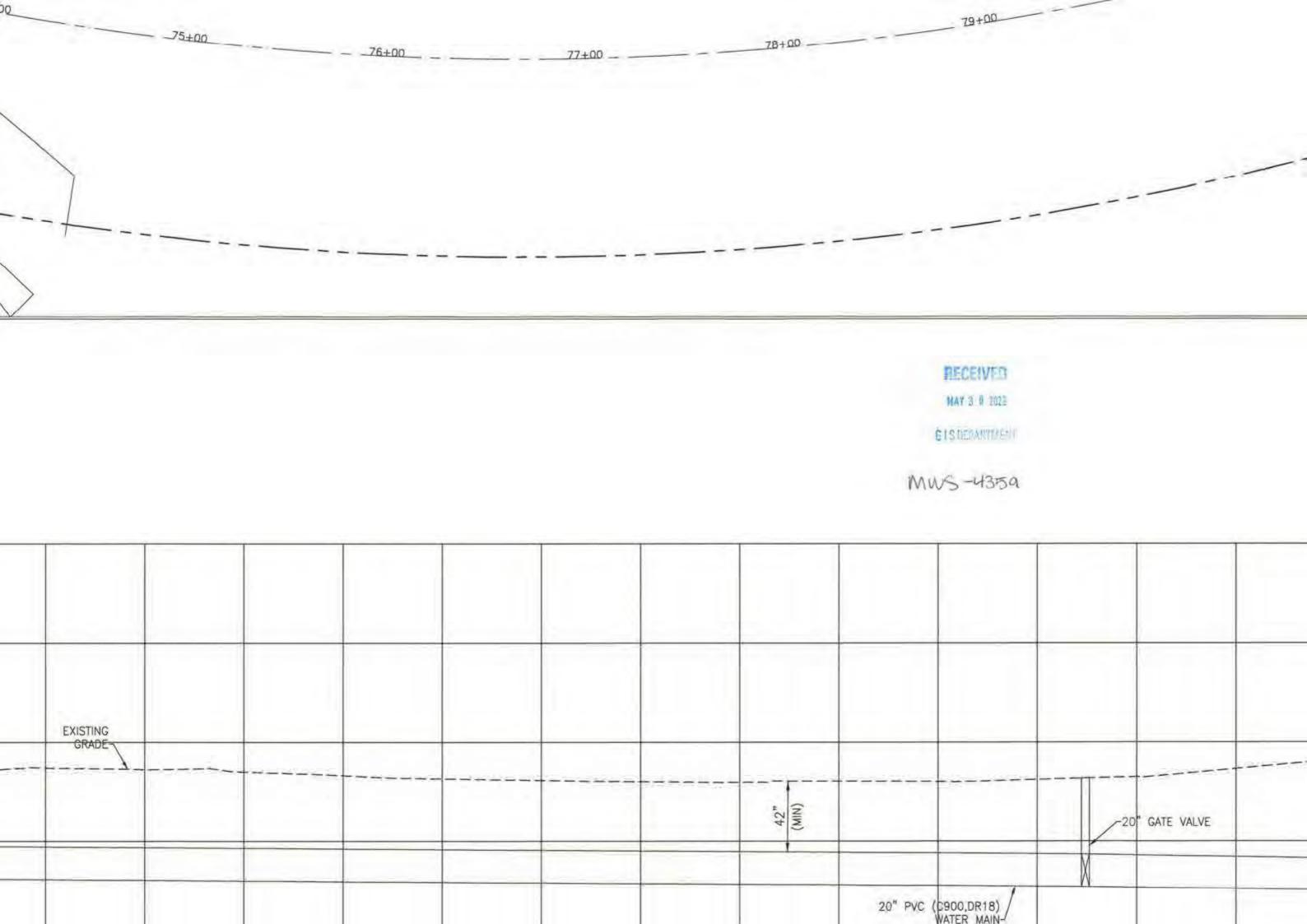




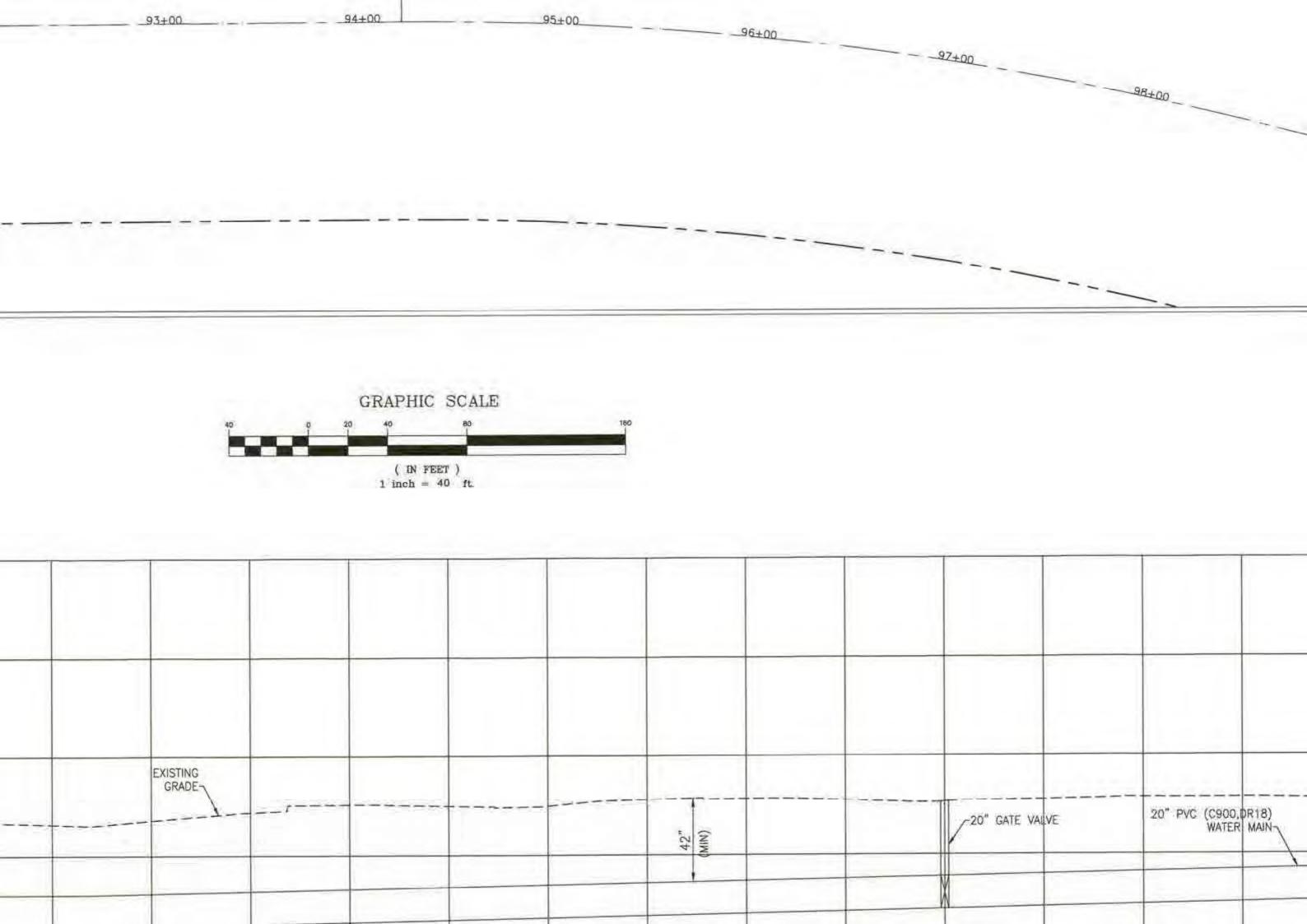
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					PROPOSED		
	 EXISTING GRADE-	20" GATE \	ALVE		PROPOSED GRADE (TYP)-	42" (MIN)	======
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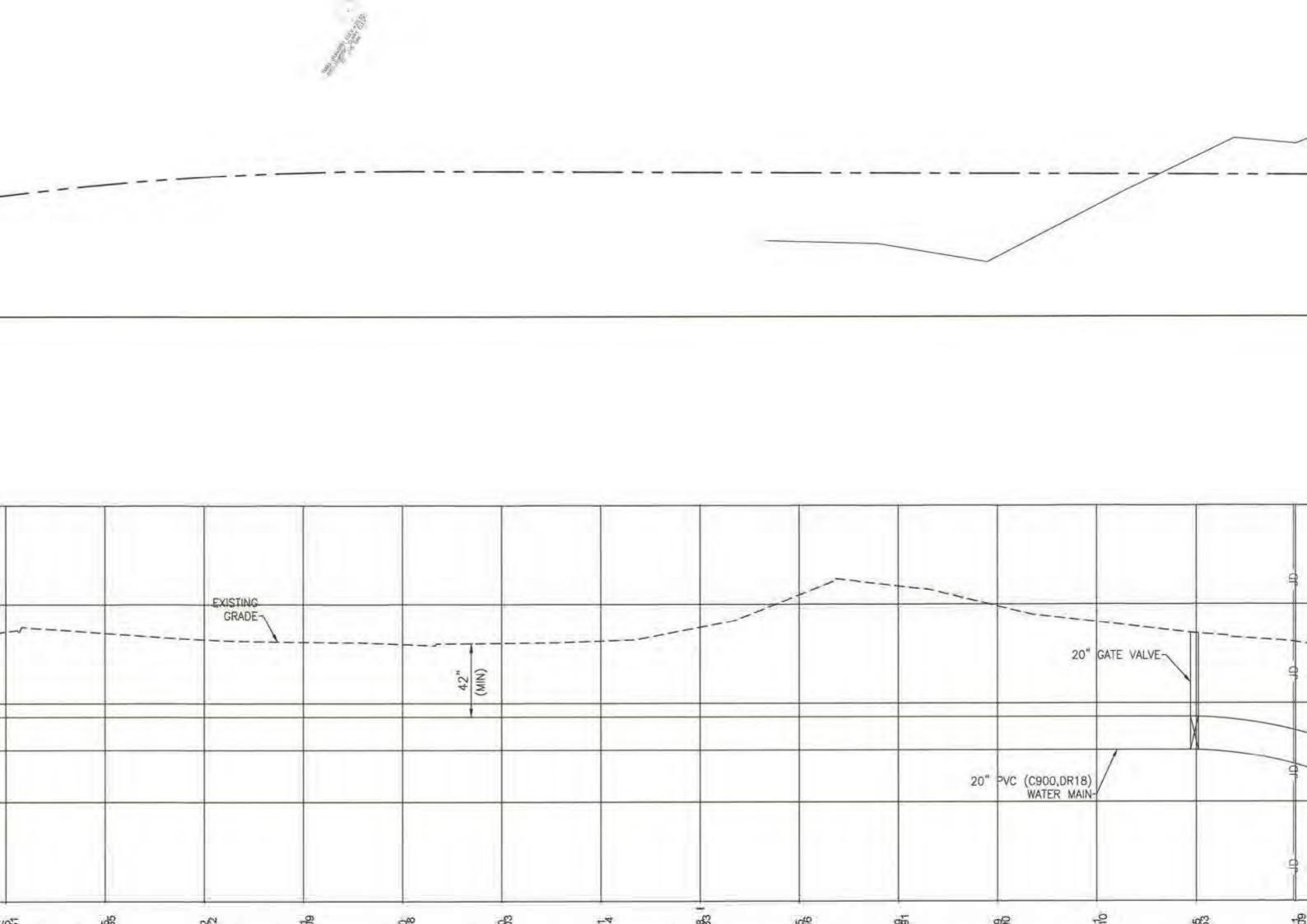


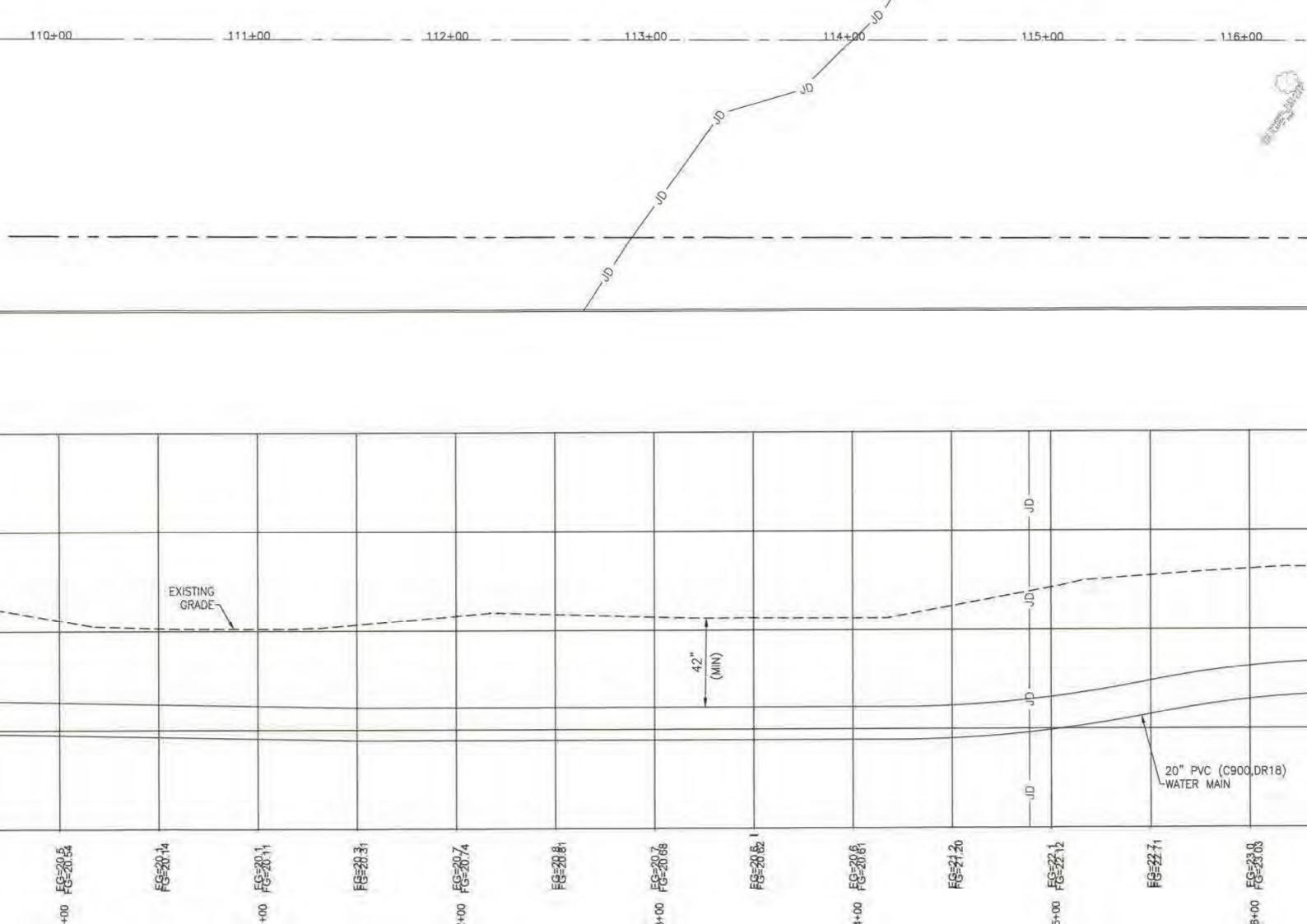


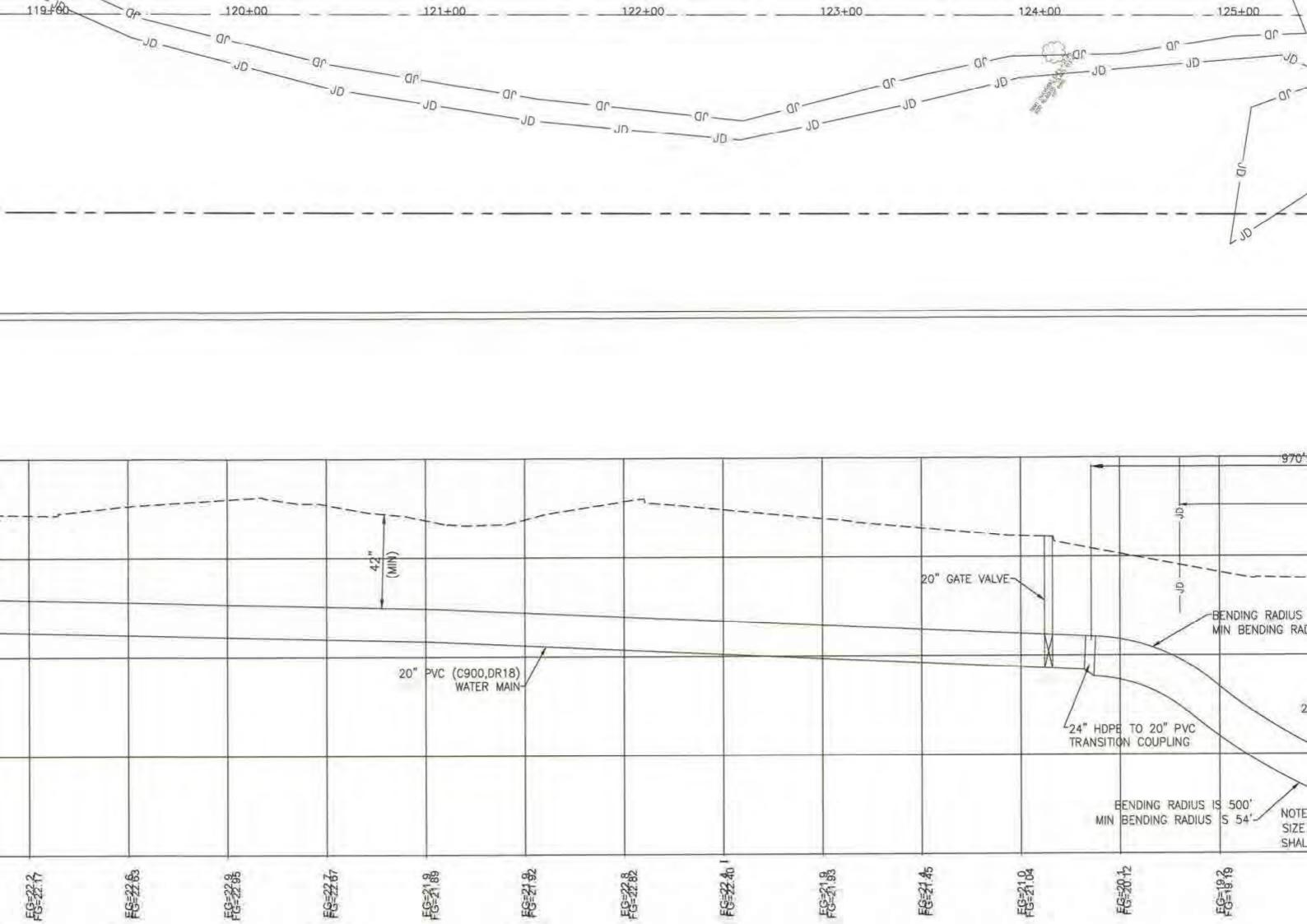


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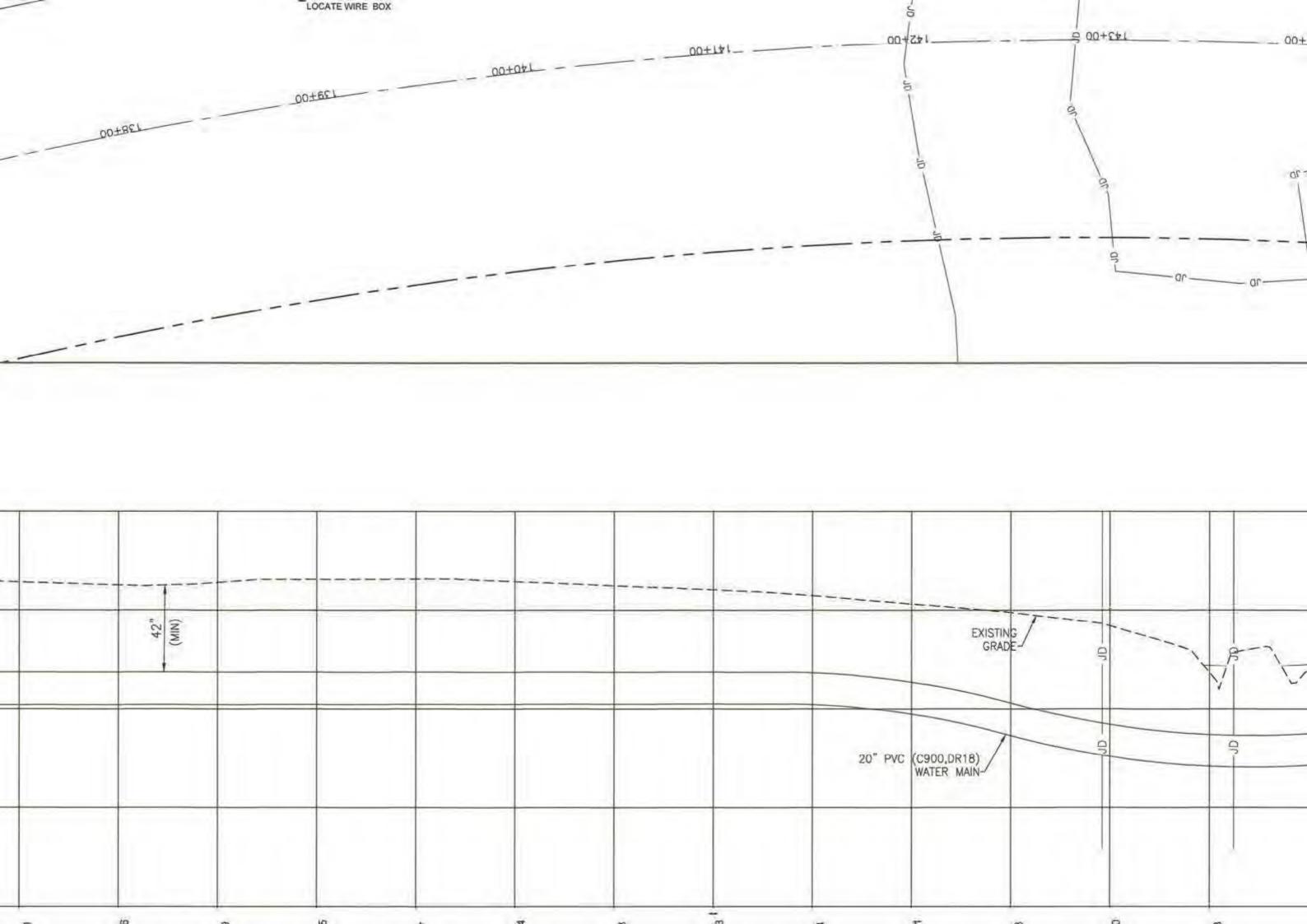


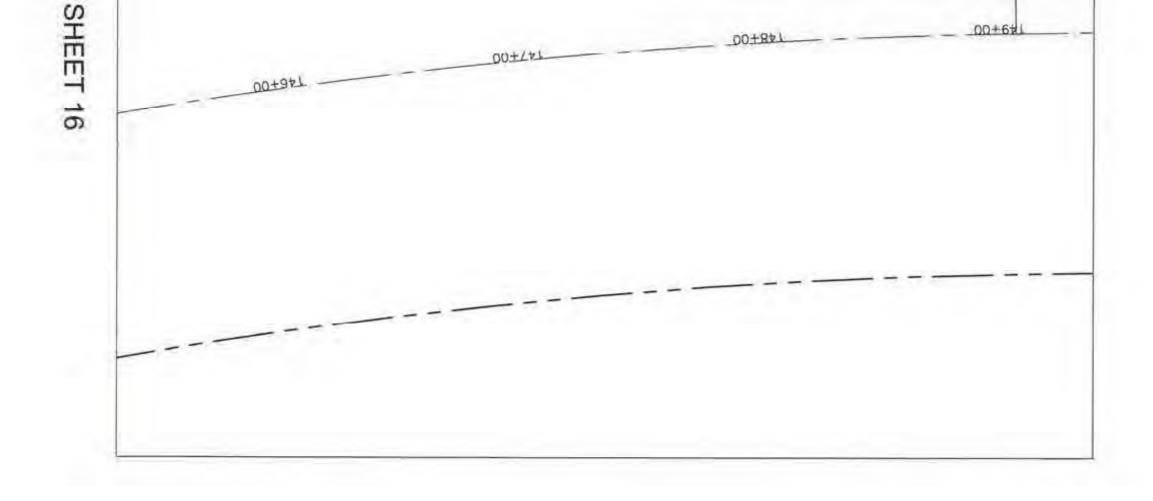


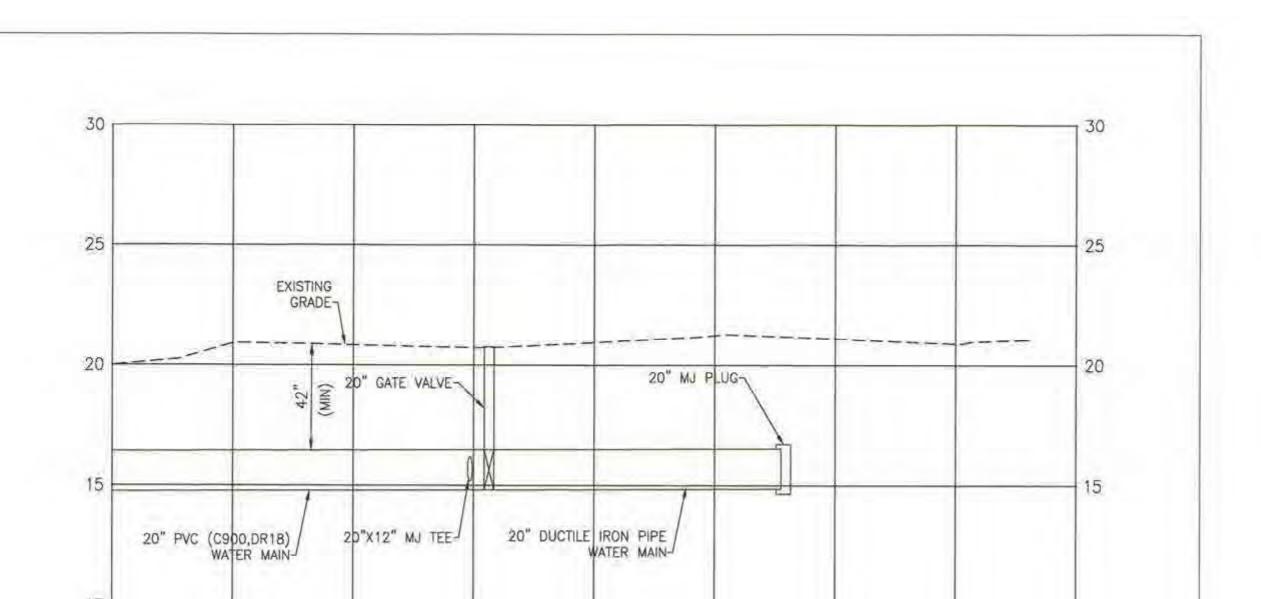












ERICAN PIPE COMPANY	DI	EPOXY	19,49	22.60	3.11	508163.78	2039670.14	029.94346433	-081.46730205
ERICAN PIPE COMPANY	DI	EPOXY	16.79	21.20	4,41	508599.26	2038783.00	029.94102984	-081.46591572
ERICAN PIPE COMPANY	DI	EPOXY	22.80	26.40	3.60	502997.14	2048978.98	029.96900189	-081.48373855
ERICAN PIPE COMPANY	DI	EPOXY	22.10	26.60	4.50	502834.51	2048841.00	029.96862061	-081.48425031
ERICAN PIPE COMPANY	DI	EPOXY	20.59	24,20	3.61	505083.13	2042772,35	029.95195963	-081.47706928
ERICAN PIPE COMPANY	DI	EPÖXY	19.22	24.00	4.78	506568.73	2041881.51	029.94952699	-081,47236683
ERICAN PIPE COMPANY	DI	EPOXY	20.69	24.30	3.61	507195.86	2041121,89	029.94744535	-081.47037682
ERICAN PIPE COMPANY	DI	EPOXY	19.69	23.60	3.91	507747.57	2040296.43	029.94518179	-081.46862422
ERICAN PIPE COMPANY	Di	EPOXY	17.67	21.20	3.53	508613.51	2038729.95	029.94088413	-081.46587005
ERICAN PIPE COMPANY	DI	EPOXY	23.38	26.80	3.42	503687.41	2048341.46	029.96725691	-081 48155014
ERICAN PIPE COMPANY	DI	EPOXY	21.40	26,50	5.10	504554.70	2046007.53	029.96084932	-081.47878046
ERICAN PIPE COMPANY	DI	EPOXY	21.89	26,00	4.11	504584.10	2045610.88	029.95975898	-081.47868237
ERICAN PIPE COMPANY	DI	EPOXY	21.01	24.70	3.69	504657.00	2044623.91	029.95704597	-081.47843918
ERICAN PIPE COMPANY	DI	EPOXY	21,50	23,30	1.80	505809.00	2042296.51	029.95065950	-081.47477109
ERICAN PIPE COMPANY	DI	EPOXY	20.90	24.30	3.40	504732.66	2043631.24	029.95431731	-081.47818720
ERICAN PIPE COMPANY	DI	EPOXY	21.19	22.19	1.00	504510.84	2046602.50	029.96248479	-081.47892680
ERICAN PIPE COMPANY	DI	EPOXY	23,12	26.80	3,68	504312.60	2047553.49	029.96509745	-081,47956538
ERICAN PIPE COMPANY	DI	EPOXY	19.04	22.60	3.56	508154.20	2039686.00	029.94350785	-081.46733249
ERICAN PIPE COMPANY	DI	EPOXY	15.89	20.20	4.31	508675.99	2037619.58	029.93838158	-081.46566115
ERICAN PIPE COMPANY	DI	EPOXY	15.92	20.90	4.98	508625,06	2037505.62	029.93751770	-081,46581791

DETAIL TABLE

ERICAN PIPE COMPANY

EPOXY

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EPOXY

EPOXY

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4.69

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508148.22

508673.55

502824.75

504552.53

504519.38

2039685.03

2037819.65

2048835.84

2046028.60

2046494.99

029.94350511

029.93838175

029.96860632

029.96090722

029.96218926

-081.46735135

-081.46566885

-081.48428107

-081.47878759

-081.47889840

HT9 TUV	MANUFACTURER	NORTHING LATITUDE	EASTING LONGITUDE	(DECIMAL DEGREES)	LONGITUDE (DECIMAL DEGREES)
37	AMERICAN FLOW CONTROL	2042767.9630	505083.04	029.95194756	-081.47706951
77	AMERICAN FLOW CONTROL	2042766.7080	505087.97	029.95194417	-081.47705390
10	AMERICAN FLOW CONTROL	2042291.4620	505809.44	029.95064561	-081,47476961
96	AMERICAN FLOW CONTROL	2042293.6770	505815.35	029.95065177	-081,47475100
60	AMERICAN FLOW CONTROL	2041878.2710	506570.77	029.94951810	-081.47236033
59	AMERICAN FLOW CONTROL	2041876.0417	506576.06	029.94951203	-081.47234362
70	AMERICAN FLOW CONTROL	2041115.4960	507200.50	029.94742781	-081.47036211
12	AMERICAN FLOW CONTROL	2041117.0260	507194.39	029.94743195	-081.47038141
43	AMERICAN FLOW CONTROL	2040296.9830	507742.71	029.94518325	-081.46883957
86	AMERICAN FLOW CONTROL	2040288.8240	507752.56	029.94516092	-081,46860836
40	AMERICAN FLOW CONTROL	2038731.3210	508608.29	029.94088784	-081.46588656
01	AMERICAN FLOW CONTROL	2048338.1350	503686.21	029.96724775	-081.48155391
90	AMERICAN FLOW CONTROL	2048333.7540	503695.49	029.96723581	-081.48152454
04	AMERICAN FLOW CONTROL	2046016.3770	504553.94	029.96087363	-081.47878298
10	AMERICAN FLOW CONTROL	2046015.9190	504543,77	029.96087226	-081.47881508
84	AMERICAN FLOW CONTROL	2045607.8730	504581.65	029.95975069	-081.47869009

MAY 3 D 2023

GISDEPARTMENT

MWS -4368

WLOC BX 18 MECHANICAL FITTING 2040863.98 WLOC BX 19 MECHANICAL FITTING 2038756.00 WLOC BX 20 MECHANICAL FITTING 2038278.71 WLOC BX 21 MECHANICAL FITTING 2037463.43

LOCATE WIF

NORTHIN

2040156.4

2043852.8

2043442.5

2048691.73

2048402.1

2047366.83

2046913.2

2046036.49

2045583.20

2045118.20

2042504.58

2042423.20

2042105.97

2041591.07

2040520.44

2039742.26

2040880.12

LOCATE BOX

SUBTYPE

MECHANICAL FITTING

NO.

W LOC BX 1

W LOC BX 2

W LOC BX 3

W LOC BX 4

W LOC BX 5

W LOC BX 6

W LOC BX 7

W LOC BX 8

W LOC BX 9

W LOC BX 10

W LOC BX 11

W LOC BX 12

W LOC BX 13

W LOC BX 14

W LOC BX 15

W LOC BX 16

W LOC BX 17

DATE:	11/10/2021
BORE #:	
SIZE:	24"
PIPE TYPE	

N.#

OWNERIGE	Southeast Development Farthers	DATE
SITE:	SR-16	
STATION START:		
STATION END:		
JOB NUMBER:	8726	BORE #:
JOB NAME:	Grand Oaks Offsite Water Main	SIZE:
DRILLER:	Danny Bryan	PIPE TYPE:

DRILLER	*	Danny Bryan
ROD	DEPTH	STATION #
20	2'2"	
40	7'4"	
60	11'0"	
80	14'0"	
100	17'8"	
120	20'2"	
140	21'0"	
160	22'6"	
180	23'1"	
200	24'6"	
220	24'7"	
240	24'2"	
260	25'4"	
280	27'1"	
300	26'7"	
320	24'5"	
340	19'11"	
360	17'0"	
380	13'2"	
400	10'11"	
420	9'9"	
440	6'4"	
460	4'4"	
480	2'3"	
500	1'10"	
520		
540		
560		
580		
600		11
620		
640		
660		
680		
700		
720		

n	PIPE TYP	E:
	ROD	DEP
	800	
	820	
	840	
	860	
1	880	
	900	
1	920	
	940	
	960	
1	980	
	1000	
1	1020	
	1040	
	1060	
	1080	
	1100	
	1120	
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	1460	
	1480	
	1500	
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2023 NW Senior Living Green As Built Drawings

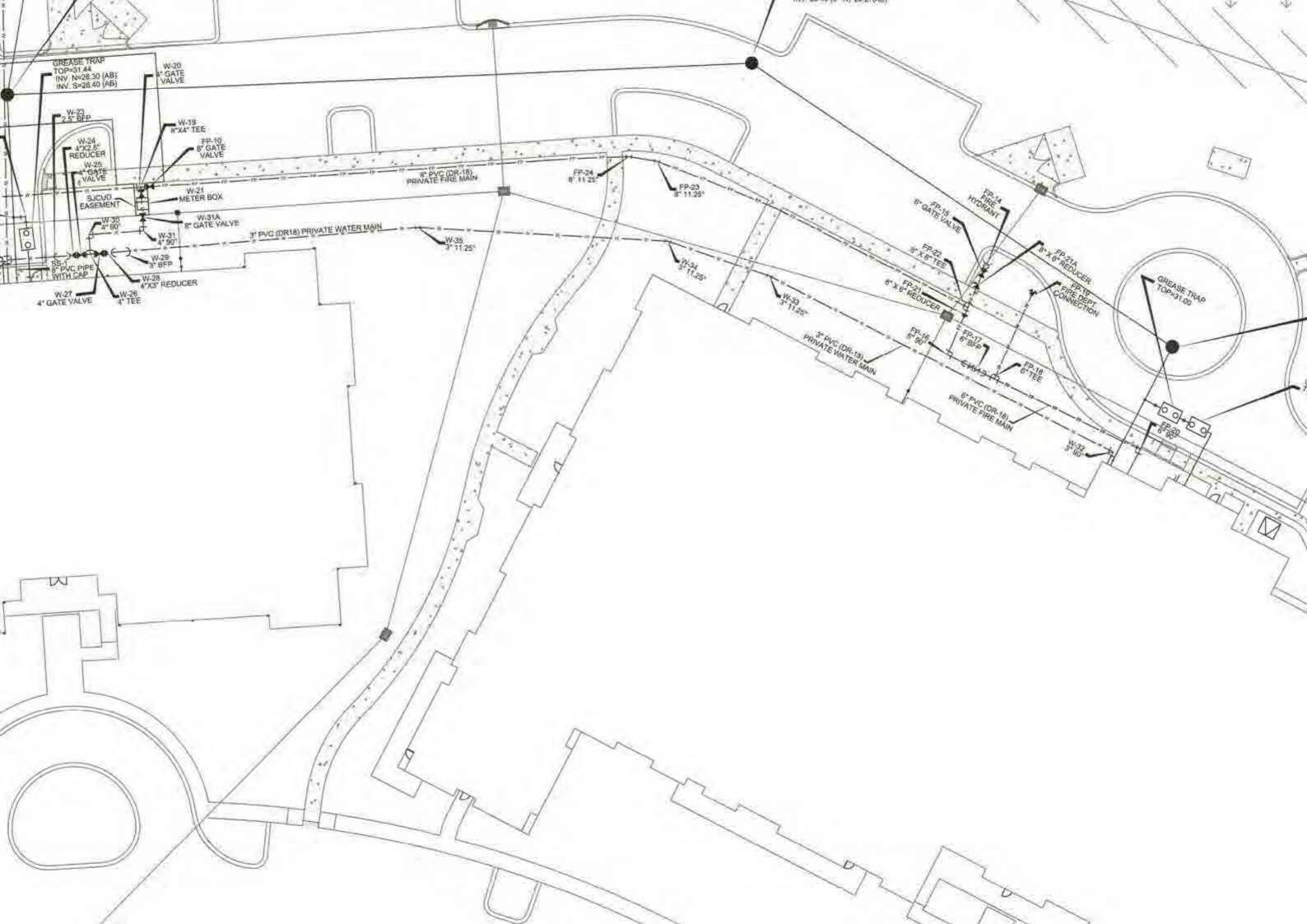


VICINITY MAP NOT TO SCALE

7	1	FM-3	GATE VALVE	2046359.4780	504920.9900	29'57'42,5565"	-081'28'39.4622"	23.69	26.26	2.57'	24.85	4"	SJCUD	MUELLER COMPANY	DUCT
1	Y	FM-4	REDUCER	2046362.4090	504921.5360	29'57'42.5856"	-081"28"39.4561"	23.10	25.7	2.6'	-	6"X4"	SUCUD	STAR PIPE PRODUCTS	DUCT
)	FM-5	CROSS	2046364.5560	504921.8950	29'57'42.8068"	-081'28'39.4522"	23.10	25.8	2.7'	- 20	12"X6"	SJCUD	STAR PIPE PRODUCTS	DUCT
/	. (FM-6	REDUCER	2046369.3840	504921.5770	29'57'42.6546"	-081'28'39,4560"	23.33	26.6	3.3'	-	6"X4"	SUCUD	STAR PIPE PRODUCTS	מטמ
	1	FM-7	GATE VALVE	2046371.6140	504922.5600	29'57'42.6767"	-081'28'39.4449"	23,41	26.90	3.49'	24.57	4"	SJCUD	MUELLER COMPANY	DUCT
	A .	FM-8	GATE VALVE	2046364.9630	504925.7230	29'57'42.6110"	-081*28'39.4087"	22.72	27.36	4.64	26.40	12"	SJCUD	MUELLER COMPANY	DUCT
ï		FM-9	GATE VALVE	2046366.0590	504917.8750	29'57'42,6216"	-081'28'39,4979"	22,28	26.2	3.9	25.96	12"	SJCUD	MUELLER COMPANY	DUCT
J.		FM-18	4" X 3" REDUCER	2046375.9590	504923,2890	29'57'42.7198"	-081'28'39.4369"	23.44	26,2	2.8'	~	4" X 3"	SJCUD	STAR PIPE PRODUCTS	DUCT
		FM-19	12° CAP	2046368.1320	504889.3400	29'57'42,6409"	-081'28'39.8224"	22,95	26.2	3.3'	-	12"	SJCUD	STAR PIPE PRODUCTS	F
1		FM-20	12" CAP	2045348.5020	505046.0460	29'57'42.4530"	-081'28'38.0400"	22./14	25,8	3.7	9	12"	SJCUD	STAR PIPE PRODUCTS	F
Ý	1						RE-USE					עזטווע		F	
	4	LABEL	TYPE	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION	GRADE	COVER	TOP OF NUT	SIZE	FACILITY OWNER	MANUFACTURER	FITTING
	K:	RW-1	TAPPING SLEEVE	2046271.6690	504897.9640	29'57'41.6864"	-081*28*39.7198*	21.75	27.0	5.25		8" X 4"	SJCUD	PERFORMANCE PIPE	STAINL
	V.	RW-2	GATE VALVE	2046271.7372	504897.8876	29'57'41.6863"	-081'28'39.7192"	21.75	27.0	5.25	22.90	4"	SUCUD	MUELLER COMPANY	DUCT
	1	RW-2A	45'	2046289.5934	504901.9930	29'57'41.8639"	-081'28'39.6748"	22.04	25.7	3.7'	-	4"	SJCUD	STAR PIPE PRODUCTS	DUCT
		RW-28	45*	2046296,1410	504903,4647	29'57'41.9288"	-081'28'39.6584"	20.03	24.0	4.0'	-	4"	SUCUD	STAR PIPE PRODUCTS	DUCT
1		RW-3	GATE VALVE	2046351.3280	504915,2040	29'57'42.4756"	-081'28'39.5276"	19,92	25.0	5.1	21.88	4*	SJCUD	MUELLER COMPANY	DUCT
		RW-4	REDUCER	2046353.4320	504917,5900	29'57'42.4966"	-081'28'39.5006"	19.27	25.0	5.7'	-	12" X 4"	SJOUD	STAR PIPE PRODUCTS	DUCT
/		RW-5	CROSS	2046355.4794	504916.0346	29'57'42.5168"	-081'28'39.5184"	20.23	25.0	4.8'	-	16" X 12"	SUCUD	STAR PIPE PRODUCTS	DUCT
			+		/										DUCT
		RW-6	GATE VALVE	2046355.9370	504912,1580	29'57'42.5211"	-081"28'39.5624"	19.08	25.2	6.1'	22.76	16"	SJCUD	MUELLER COMPANY	DUCI
		RW-6 RW-7	GATE VALVE REDUCER	2046355.9370 2046356.4060	504912,1580 504916,8960	29°57'42.5211" 29°57'42,5260"	-081°28'39.5624" -081°28'39.5624"	19.08	25.2 25.4	6.1' 4.1'	22.76	16" 12" X 4"	75-7-71	STAR PIPE PRODUCTS	DUCT
					The second of	1 2 1 2 1 2 1 2 1 2 1 2	A SOUTH TAXABLE				22.76		75-7-71	Maria and the same and the same	
		RW-7	REDUCER	2046356.4060	504916,8960	29'57'42,5260"	-081'28'39.5624"	21.27	25.4	4.1	-	12" X 4"	SUCUD	STAR PIPE PRODUCTS	DUCT
		RW-7 RW-8	REDUCER GATE VALVE	2046356.4060 2046362.5320	504916.8960 504917.0320	29'57'42,5260" 29'57'42.5866"	-081*28'39.5624" -081*28'39.5074"	21.27 19.58	25.4 25.7	4.1' 6.1'	20.74	12" X 4"	SUCUD	STAR PIPE PRODUCTS MUELLER COMPANY	DUCT
		RW-7 RW-8 RW-9	REDUCER GATE VALVE GATE VALVE	2046356.4060 2046362.5320 2046355.2600	504916.8960 504917.0320 504918.9620	29°57'42,5260" 29°57'42.5866" 29°57'41.6864"	-081'28'39.5624" -081'28'39.5074" -081'28'39.4851"	21.27 19.58 19.12	25.4 25.7 25.2	4.1' 6.1'	20.74 22.80	12" X 4" 4" 16"	STORD STORD	STAR PIPE PRODUCTS MUELLER COMPANY MUELLER COMPANY	DUCT DUCT
		RW-7 RW-8 RW-9 RW-10	REDUCER GATE VALVE GATE VALVE 45'	2046356.4060 2046362.5320 2046355.2600 2046354.5150	504916.8960 504917.0320 504918.9620 504924.5986	29'57'42,5260" 29'57'42.5866" 29'57'41,6864" 29'57'42.5076"	-081'28'39.5624" -081'28'39.5074" -081'28'39.4851" -081'28'39.4210"	21.27 19.58 19.12 19.81	25.4 25.7 25.2 25.5	6.1' 6.1' 5.7'	20.74 22.80	12" X 4" 4" 16"	SJCUD SJCUD SJCUD	STAR PIPE PRODUCTS MUELLER COMPANY MUELLER COMPANY STAR PIPE PRODUCTS	DUCT DUCT DUCT
		RW-7 RW-8 RW-9 RW-10 RW-11	REDUCER GATE VALVE GATE VALVE 45' 45'	2046356.4060 2046362.5320 2046355.2600 2046354.5150 2046354.0630	504916.8960 504917.0320 504918.9620 504924.5986 504927.0960	29'57'42.5260" 29'57'42.5866" 29'57'41.6864" 29'57'42.5076" 29'57'42.5032"	-081'28'39.5624" -081'28'39.5074" -081'28'39.4851" -081'28'39.4210" -081'28'39.3925"	21.27 19.58 19.12 19.81 21.92	25.4 25.7 25.2 25.5 25.5	4.1' 6.1' 6.1' 5.7' 3.6'	20.74 22.80	12" X 4" 4" 16" 16"	SJCUD SJCUD SJCUD SJCUD	STAR PIPE PRODUCTS MUELLER COMPANY MUELLER COMPANY STAR PIPE PRODUCTS STAR PIPE PRODUCTS	DUCT DUCT DUCT
		RW-7 RW-8 RW-9 RW-10 RW-11 RW-12	REDUCER GATE VALVE GATE VALVE 45' CAP	2046356.4060 2046362.5320 2046355.2600 2046354.5150 2046354.0630 2046359.6980	504916.8960 504917.0320 504918.9620 504924.5986 504927.0960 504888.8490	29'57'42,5260" 29'57'42,5866" 29'57'41,6864" 29'57'42,5076" 29'57'42,5032" 29'57'42,5574"	-081'28'39.5624" -081'28'39.5074" -081'28'39.4851" -081'28'39.4210" -081'28'39.3925" -081'28'39.8276"	21.27 19.58 19.12 19.81 21.92 23.45	25.4 25.7 25.2 25.5 25.5 25.5 25.9	4.1' 6.1' 6.1' 5.7' 3.6' 2.5'	20.74	12" X 4" 4" 16" 16" 16"	SJCUD SJCUD SJCUD SJCUD SJCUD	STAR PIPE PRODUCTS MUELLER COMPANY MUELLER COMPANY STAR PIPE PRODUCTS STAR PIPE PRODUCTS STAR PIPE PRODUCTS	DUCT DUCT DUCT

PRIVATE UTILITY PUBLIC UTILITY

OAD NO. 16 RIGHT-OF-WAY



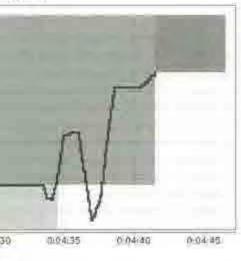
TEE	2047114.2965	505019.6980	29'57'50.0325"	-081'28'38.3758"	26.49	29,5	3.6	-	8"X8"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
TEE	2047121.9437	505129.7077	29'57'50.1127"	-081'28'37.1255"	27.10	31.1	4.0'	-	8"X4"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
E VALVE	2047120.5730	505130.1900	29'57'50.0991"	-081'28'37.1199"	26.66	30.96	4.30	28.26	4"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
ER BOX	2047115.7530	505130.5285	29'57'50,0514"	-081'28'37,1156"	- 9	30.96	-	4	4.5'X4.5'	SJCUD	GLASMASTERS	FIBERGLASS	FIBERGLASS
SE BIB	2047197.4140	505076.7890	29'57'50.8575"	-081*28'37.7306"	-	30.57	1.30		1.5"	SJCUD	NORTH AMERICAN PIPE CORPORATION	PVC	PVC
TEE	2047094.3667	505079.1504	29'57'49.8376"	-081*28*37.6989"	27.53	31.0	3.5'		2.5'X2.5'X1.5"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
BFP	2047095.2720	505100.0860	29'57'49.8475"	-081'28'37.4610"	-	32.2			2.5*	SJCUD	ZURN WILKINS	CAST IRON	FUSION BONDED EPOXY
EDUCER	2047096.1309	505104.2176	29'57'49,8561"	-081'28'37.4140"	28.17	32.2	4.0'	-	4" X 2.5"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
E VALVE	2047097.2100	505107.9300	29'57'49.8670"	-081'28'37.3719"	28.14	32.2	4.1'	29,30	4"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
TEE	2047097.1500	505109.9620	29'57'49.8665"	-081'28'37.3488"	28.14	31.7	3.6		4"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
TE VALVE	2047096.2300	505113.7800	29'57'49.8575"	-081*28'37.3053"	28.43	31.7	3.3'	29.59	4"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
EDUCER	2047097.0100	505117.1751	29'57'49.8654"	-081'28'37.2668"	28.16	31.7	3.5	-	4" X 3"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
EDUCER	2047096.8960	505120,3680	29'57'49.8644"	-081'28'37.2305"	- 8	31,3	-	-	2,5*	SICUD	ZURN WILKINS	CAST IRON	FUSION BONDED
90.	2047104.8980	505110.8330	29'57'49.9432"	-081'28'37.3392"	28.16	31.0	2.8'	- èc-	4*	SUCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
90'	2047104.5490	505129.5850	29'57'49.9405"	-081'28'37.1260"	28.23	31.2	3.0'	~	4"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
TE VALVE	2047110.6996	505130.5655	29'57'49.9321"	-081'28'37.1175"	28.17	31.2	3.0'	29.67	8"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED
90.	2047022.1161	505498.4199	29'57'49.1397"	-081'28'32.9290"	29.11	32.2	3.1'	- 2	3*	SJOUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
11.25	2047088.7730	505368.0090	29'57'49.7941"	-081*28'34.4148"	28.34	31,3	3.0"		3"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
11.25	2047101.9950	505329.5620	29'57'49.9234"	-081*28'34.8525"	27.74	31.1	3.4"	-	3"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
11.25	2047107.0750	505234.7820	29'57'49.9698"	-081'28'35.9302"	26.67	30.5	3.8'	-	3*	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT

FIRE PROTECTION FITTINGS TABLE

TYPE	NORTHING	EASTING	LATITUDE	LONGITUDE	PIPE	FINAL GRADE	COVER	TOP OF NUT	UTILITY	FACILITY OWNER	MANUFACTURER	FITTING MATERIAL	LINING MATERIAL
E VALVE	2046809,7590	504979.0280	29'57'47,0162"	-081'28'38.8237"	26.21	30.65	4.44	27.71	6*	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
22.5*	2046771.6480	505347.5370	29"57"46.6541"	-081'28'34.6325"	27.93	29.6	1.7	-	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
E VALVE	2046760,8450	505460,0540	29'57'46.5518"	-081'28'33.3529"	24,94	29.8	4.9'	26.44	6"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
HYDRANT	2046760.9420	505463.5940	29'57'46,5529"	-081'28'33.3126"		32.9	-	_	6*	SJCUD	WATTS	DUCTILE IRON	SILICONE
E VALVE	2047126.9630	504971.5520	29"57"50.1"559"	-081'28'38.9237"	27.59	31.04	3.45	28.75	6"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
HYDRANT	2047129.5290	504971.4530	29'57'50.1812"	-081'28'38.9250"		33.4	15	-	6*	SJCUD	WATTS	DUCTILE IRON	SILICONE
E VALVE	2047108.5920	505019.1980	29'57'49,9760"	-081'28'38.3812"	26.49	29.5	3.0'	28.24	8"	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED EPOXY
DW PREVENTER	2047103.3130	505020.9830	29'57'49.9238"	-081'28'38.3606"	-	34.1	-	-	8"	SJCUD	MUELLER COMPANY	CAST IRON	FUSION BONDED EPOXY
EPT. CONNECT	2047133.2590	505047.7980	29'57'50.2213"	-081'28'38.0572"	-	30.5	11/6/19	12	6"	SJCUD	WATTS	DUCTILE IRON	SILICONE
E VALVE	2047122.6280	505132,4900	29'57'50.1196"	-081'28'37,0939"	27.74	31.11	3,37	29.24	8*	SJCUD	MUELLER COMPANY	DUCTILE IRON	FUSION BONDED
90"	2047091,7030	2220,26.6010	29'57'49.8089"	-081'28'38.3574"	26.60	31.5	4.9"	-	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
TEE	2047092,3250	505049.8370	29'57'49.8162"	-081'28'38.0344"	26.23	31.5	5.3	-	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
90'	2047094.1260	505076,4600	29'57'49.8351"	-081'28'37.7295"	27.62	30.0	2.4		6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
NNECTION	2047092.6010	505450,1000	29'57'49.8354"	-081'28'33.4817"	79-1	29.0		- 14 - 1	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
TE VALVE	2047089.9930	505448.8910	29'57'49.8095"	-081'28'33.4953"	27.74	29,1	1.4"	28.90	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
90"	2047060.2810	505434.2850	29'57'49.5148"	-081'28'33.6510"	29:13	31.6	2.5'		6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
BFP	2047057.2210	505438,6190	29'57'49.4847"	-081'28'33.6105"	-	31.7	100		6"	SJOUD	ZURN WILKINS	CAST IRON	FUSION BONDED
TEE	2047050.0180	505453,1570	29'57'49.4140"	-081'28'33.4449"	28,81	31.2	2.4	- 4	6"	SICUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
NECTION	2047082.2340	505467,6420	29'57'49.7335"	-081'28'33.2818"	(- (+	30.2	-	-	6*	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
90"	2047023,0640	505508.4980	29'57'49.1495"	-081"28'32.8145"	29.11	32.2	3.1	- "	6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
DUCER	2047076.2010	505442.0210	29'57'49.6727"	-081'28'33,5728"	28.44	30.3	1.9"		8"X6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL.
DUCER	2047085.2892	505446,8561	29"57"49.7628"	-081'28'33.5182"	28.34	30.3	2.0'		8"X6"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
TEE	2047078.5380	505442,3010	29"57"49.6959"	-081*28'33.5697"	28.34	30.3	2.0"	-	8"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL
1.25	2047132.3910	505325.3820	29'57'50.2241"	-081'28'34.9014"	27.07	30.7	3.6	2-0	8"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
11.25	2047133.0970	505314.6800	29'57'50.2307"	-081'28'35.0231"	27.29	30.5	3.2'	-	8"	SJCUD	STAR PIPE PRODUCTS	PVC	PVC
OF 6" PVC	2046828.3230	505102.2793	29"57"47.2051"	-081'28'37,4234"	27.93	31.3	3.4	-	8"	SJOUD	STAR PIPE PRODUCTS	PVC	PVC
OF 6" PVC	2046796,7160	505294.2001	29'57'46.9001"	-081'28'35.2401"	28:27	29.6	1.3"	_	В"	SJCUD	STAR PIPE PRODUCTS	PVC	PVC

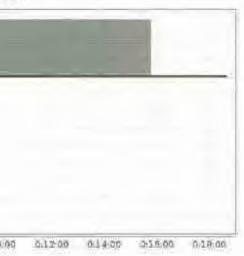
FORCE MAIN FITTINGS TABLE

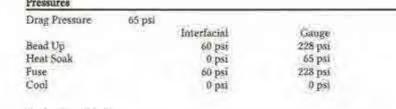
TYPE	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION	FINAL GRADE	COVER	TOP OF NUT	SIZE	FACILITY OWNER	MANUFACTURER	FITTING MATERIAL	LINING MATERIAL
45"	2047146,4130	504912.6080	29'57'50.3460"	-081'28'39,5946"	24,65	28.7	4.1	-	3"	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
45"	2047204.1760	504972,1780	29'57'50.9202"	-081'28'38.9203"	25.06	27.7	2.6'	-	3*	SJCUD	STAR PIPE PRODUCTS	DUCTILE IRON	ASPHALT SEAL COAT
P 3" PVC	2047044.7980	504913,8970	29'57'49.3401"	-081'28'39.5753"	24.79	30.2	5.4'		3"	SJCUD	STAR PIPE PRODUCTS	PVC	PVC



ot

I Plot





Pusion Specification

Butt Fusion ASTM F2620 Fusion Type Fusion Specification Bead Time 0 seconds Bead Size 1/4" Heat/Soak Time 272 seconds Fuse Time 665 seconds Open/Close Time 15 seconds Cool Time 0 seconds Minimum Maximum 227 psi Bead Up 309 psi Heat Soak 65 psi

Side B

0 psi 227 psi Fuse 309 psi Coal 0 psi

External Heater Temperatures

Side A 425 F One 425 F Two 425 E 425 F Three 425 F. 425 T 425 F 425 T Four

GPS Location

Latitude Longitude 2021-09-09 18:16:07 UTC 29'57'47.6"N 81'28'38.9'W

Logged Data Summary

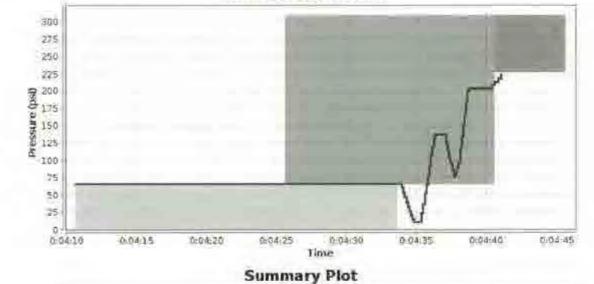
Number of Data Total Fusion Time Maximum Recorded 1095 seconds Pressure 228 psi

Device Information

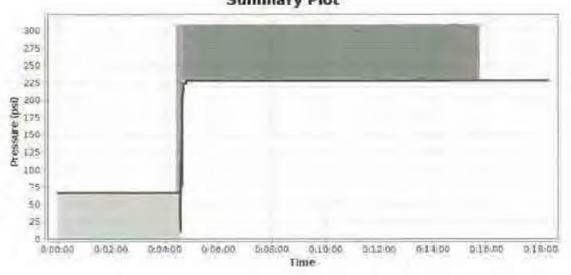
DataLogger Serial Number MDL5-0751 Calibration Date 2020-11-19 Firmware Version v5.1 Software Version y1.1.2 Software Product DL5m Name

Data Source

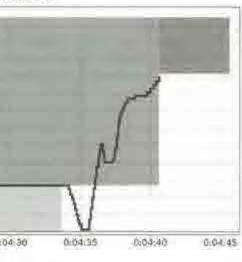
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Heater Removal Plot

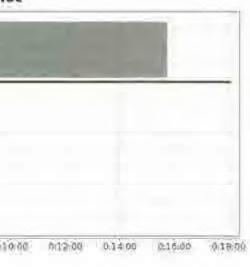


pull head



lot

al Plot



Drag Pressure	67 psi		
2000	Interfacial	Gauge	
Bead Up	60 psi	230 psi	
Heat Soak	0 psi	67 psi	
Fuse	60 psi	230 psi	
Cool	0 psi	0 psi	

Pusion Specification

Fusion Type **Butt Fusion** Fusion Specification ASTM P2620 Bead Time 0 seconds 0 seconds Bead Size 1/4" Heat/Soak Time 272 seconds Fuse Time 665 seconds Open/Close Time Cool Time 15 seconds 0 seconds Maximum 311 psi Minimum 229 psi Bead Up

 Bead Up
 229 psi
 311 psi

 Heat Soale
 0 psi
 67 psi

 Fuse
 229 psi
 311 psi

 Cool
 0 psi
 0 psi

External Heater Temperatures

	Side A	Side B.	
One	429 °F	429 F	
Two	427 F	429 F	
Three	429 F	427 F	
Four	427 F	429 F	

GPS Location

	Latitude	Longitude	
2021-09-09 20:03:50	der annigh		
tric	29'57'47.5'N	81°28'38.9'W	

Logged Data Summary

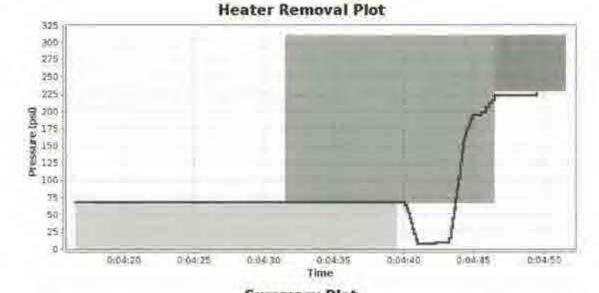
Number of Data
Points 126
Total Pusion Time 1083 seconds
Maximum Recorded
Pressure 227 psi

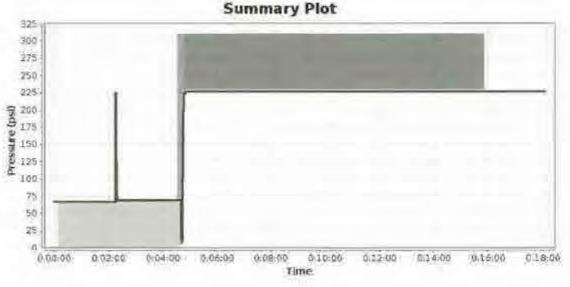
Device Information

DataLogger Serial
Number MDL5-0751
Calibration Date
Firmware Version
Software Version
Software Product
Name DL5m

Data Source

File Name DL5 2010-10-26 14-41-48 Joint 6 Job 8946 by bj.DL5
Upload Time 2021-09-10 11:13:10 GMT





Notes

pull head

67 psi		
Interfacial	Gauge	
60 psi	230 pai	
0 psi	67 psi	
60 psi	230 psi	
0 psi	() psi	
	B. W. C. C.	
Butt Fusion		
ASTM F2620		
0 seconds		
1/4"		
272 seconds		
665 seconds		
15 seconda		
The second secon		
	Maximumi	
10 Total and 2007 Total ST	N. C.	
- 0.00 - A.000		
peratures		
peratures Side A	Side B	
	Side B	
Side A 433 F	431 F	
Side A 433 F 433 F	431 F 431 F	
Side A 433 °F 433 °F 431 °F	431 F	
Side A 433 F 433 F	431 °F 431 °F 425 °F	
Side A 433 °F 433 °F 431 °F	431 °F 431 °F 425 °F	
Side A 433 °F 433 °F 431 °F	431 °F 431 °F 425 °F	
Side A 433 F 433 F 431 F 431 F 429 F	431 T 431 T 425 F 429 T Longitude	
Side A 433 F 433 F 431 F 431 F 429 F	431 T 431 T 425 F 429 T	
Side A 433 F 433 F 431 F 431 F 429 F	431 T 431 T 425 F 429 T Longitude	
Side A 433 °F 433 °F 431 °F 429 °F Latitude 29°57'47.5°N	431 T 431 T 425 F 429 T Longitude	
Side A 433 °F 433 °F 431 °F 429 °F Latitude 29°57'47.5°N	431 T 431 T 425 F 429 T Longitude	
Side A 433 °F 433 °F 431 °F 429 °F Latitude 29°57'47.5°N	431 T 431 T 425 F 429 T Longitude	
Side A 433 °F 433 °F 431 °F 429 °F Latitude 29°57'47.5°N	431 T 431 T 425 F 429 T Longitude	
	Butt Fusion ASTM F2620 0 seconds 1/4" 272 seconds 665 seconds	Interfacial Gauge 60 psi 230 psi 0 psi 67 psi 60 psi 230 psi 0 psi 1/4* 272 seconds 665 seconds 15 seconds 15 seconds 1 psi 0 psi 311 psi 0 psi 67 psi 229 psi 311 psi

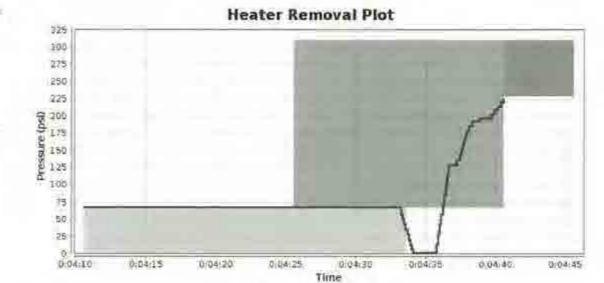
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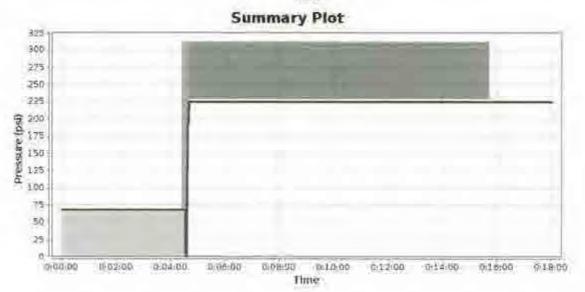
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Name

Data Source

File Name Upload Time DL5 2010-10-26 15-10-43 Joint 7 Job 8946 by bj.DL5 2021-09-10 11:13:10 GMT





pull head

NW CR 2209 RM FM International Grand Parkway State Road 16 As Built Drawings



VICINITY MAP

LEGEND

± - DENOTES PLUS OR MINUS

AB - DENOTES AS-BUILT

AL - DENOTES ARC LENGTH

ALLIM - DENOTES ALLIMINUM

ALUM — DENOTES ALUMINUM BM — DENOTES BENCHMARK

BOC - DENOTES BACK OF CURB

← DENOTES CENTERLINE
 C# - DENOTES CURVE NUMBER

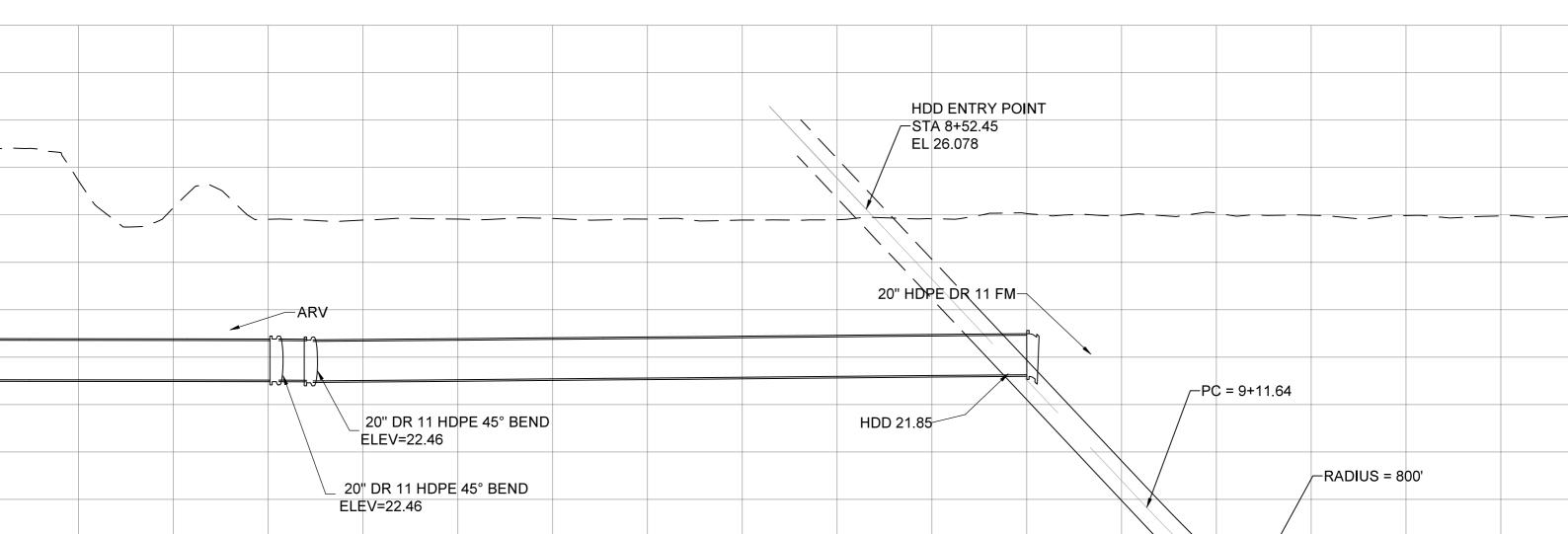
S-BUILT) AS

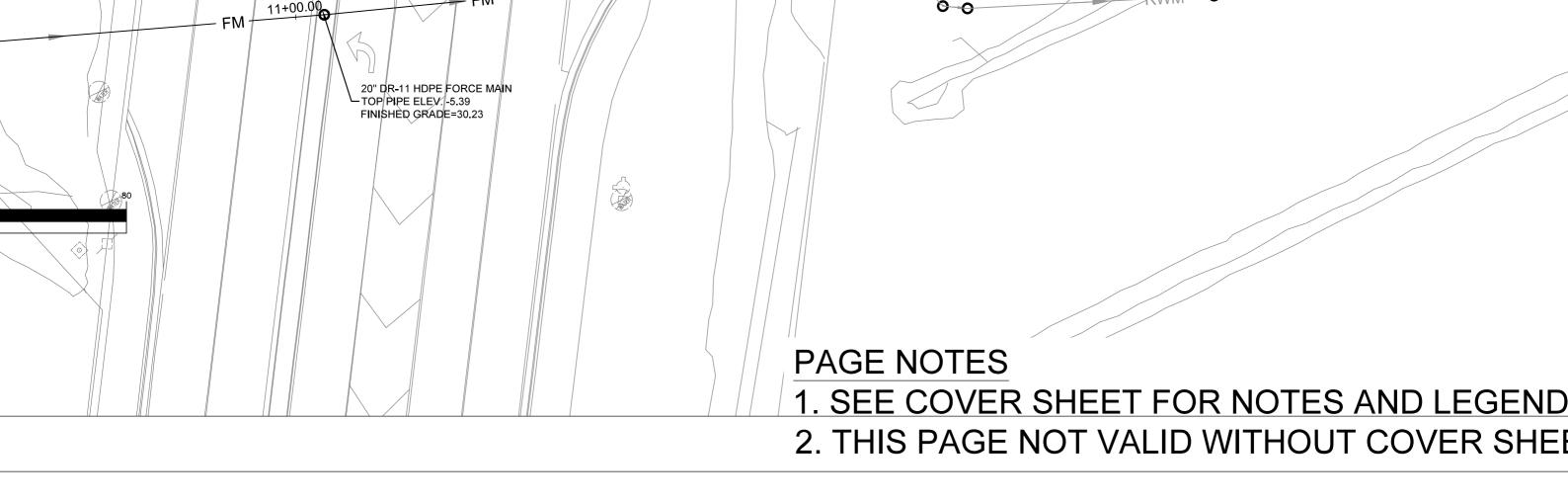


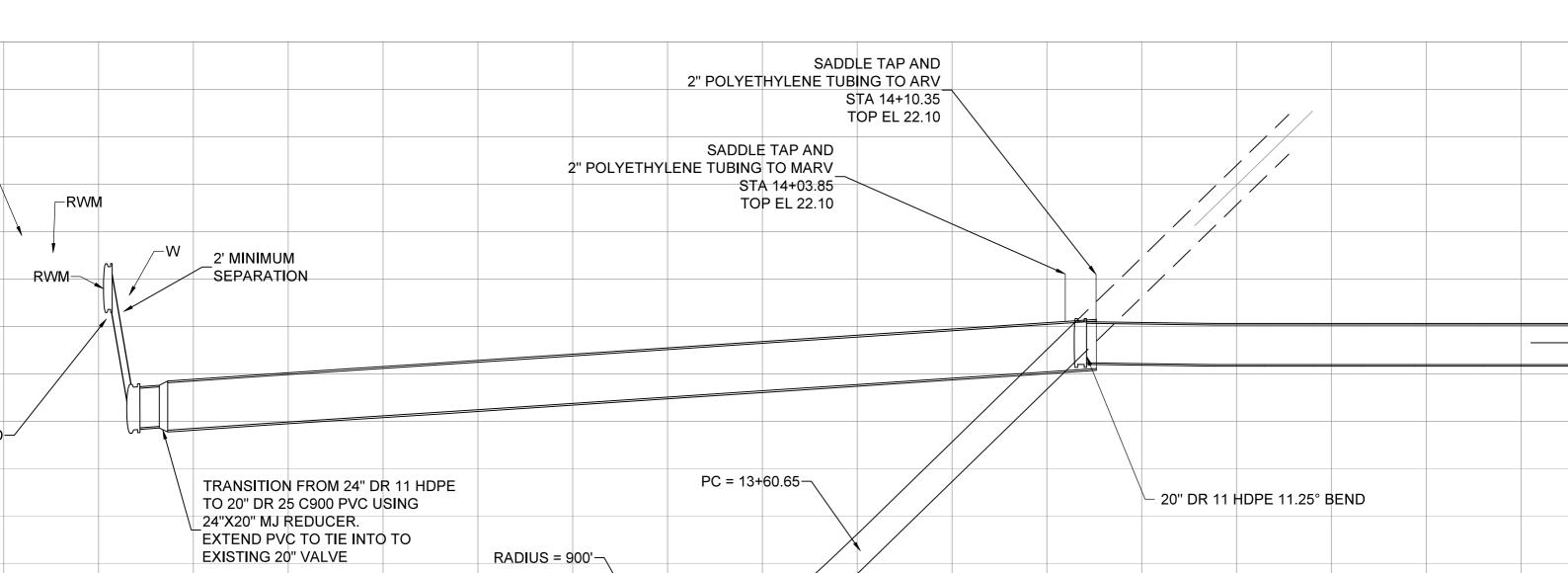
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- 2. THIS PAGE NOT VALID WITHOUT COVER SHEI

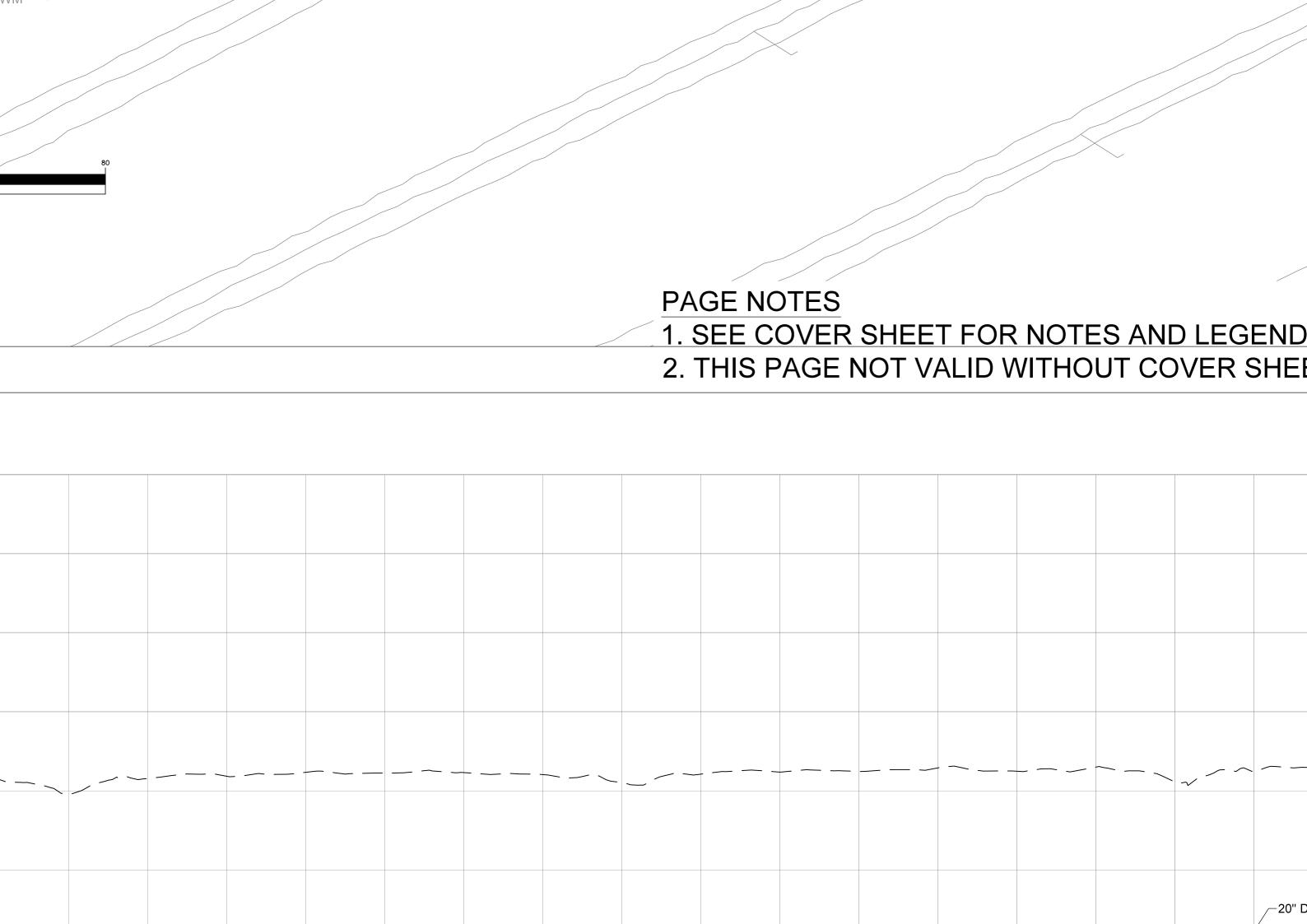
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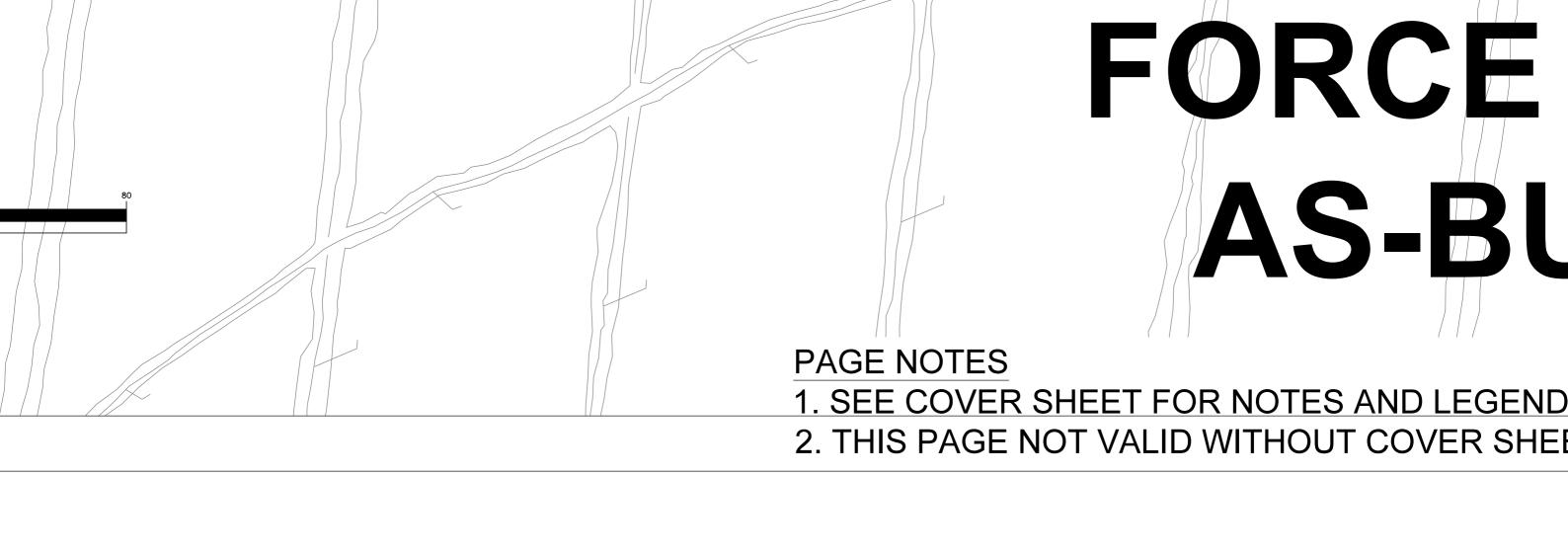
RANSITION FROM 20" HDF BOLTED TO TEF

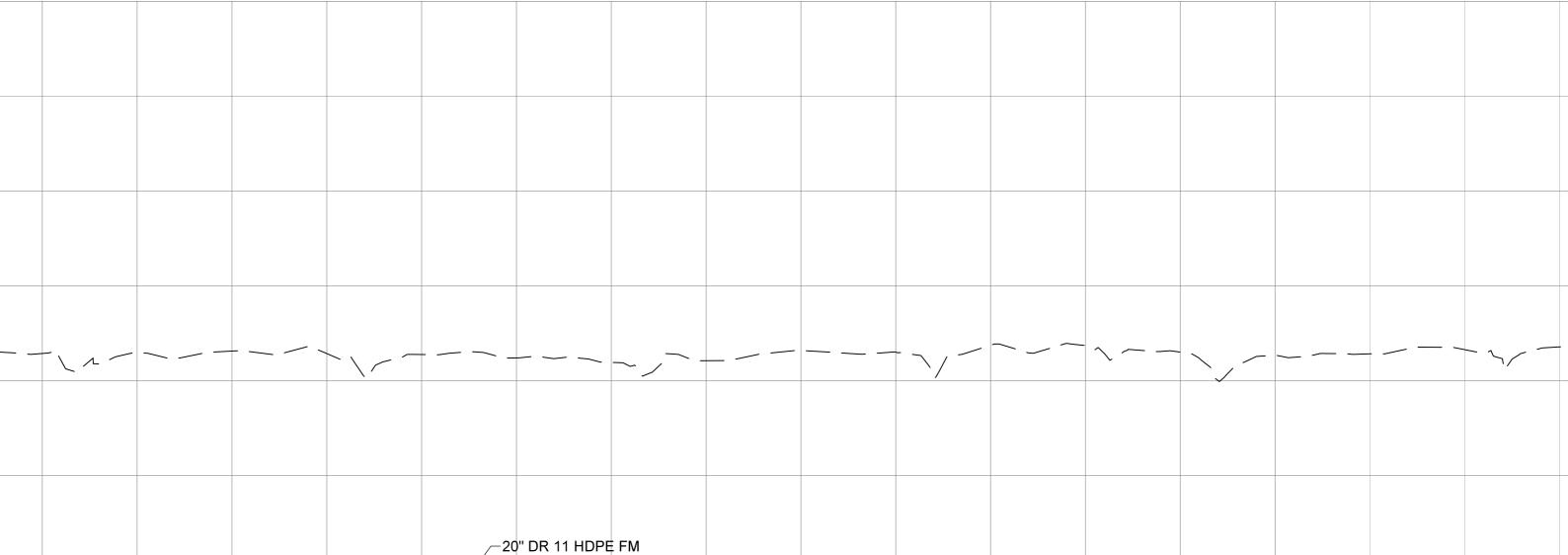


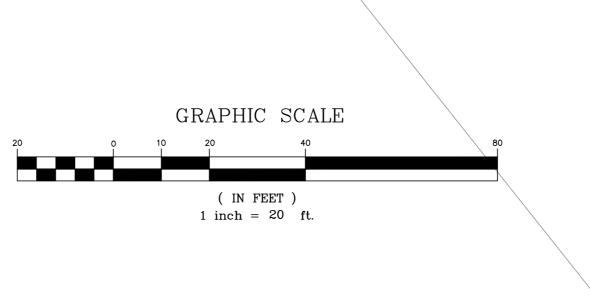






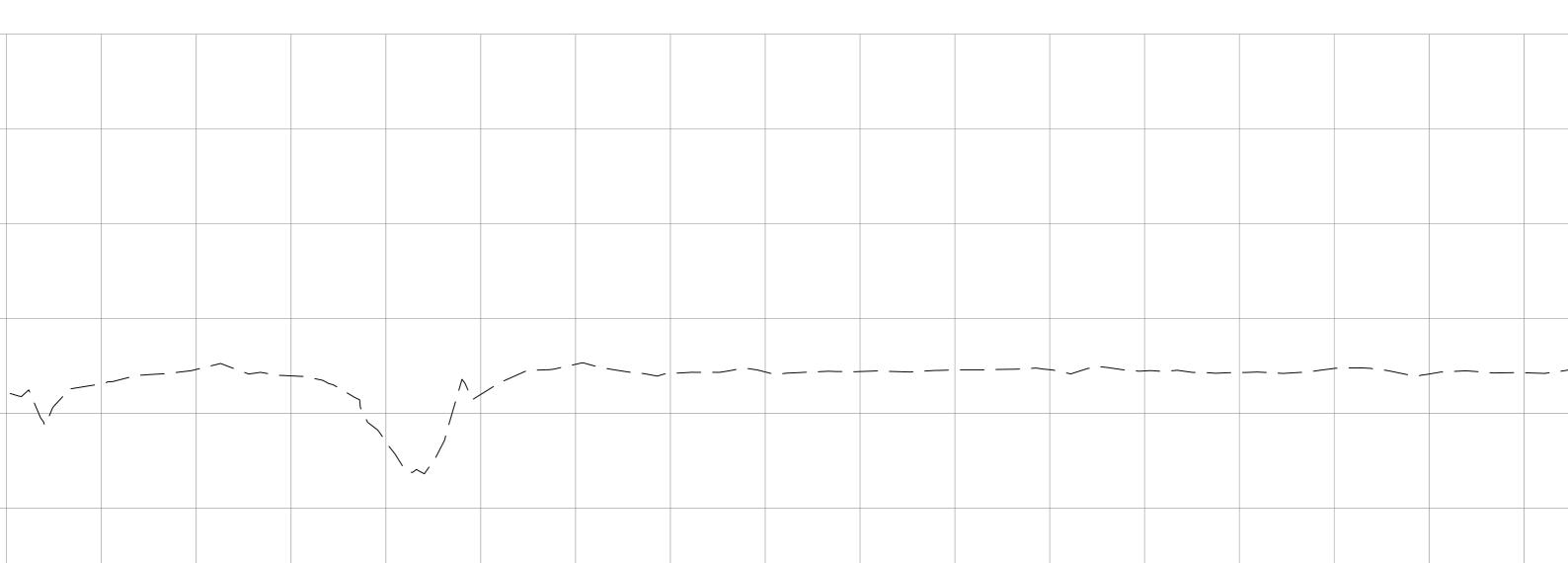


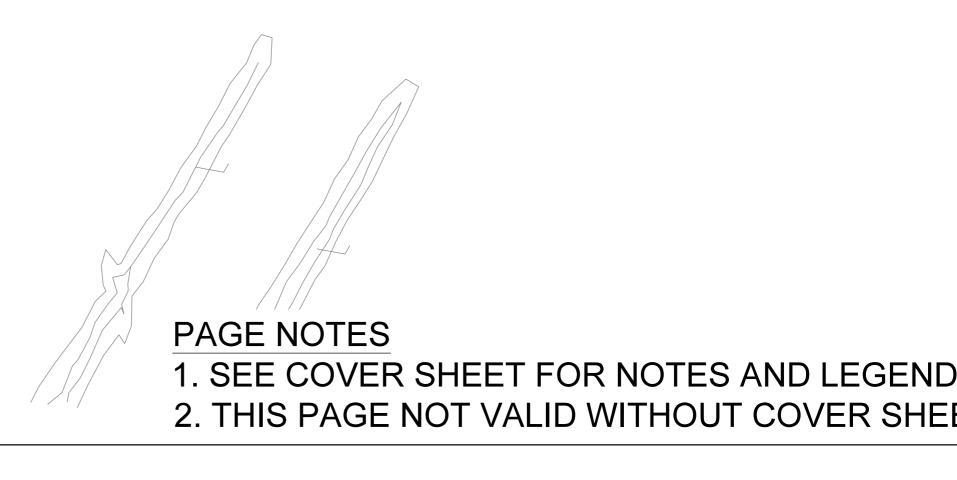


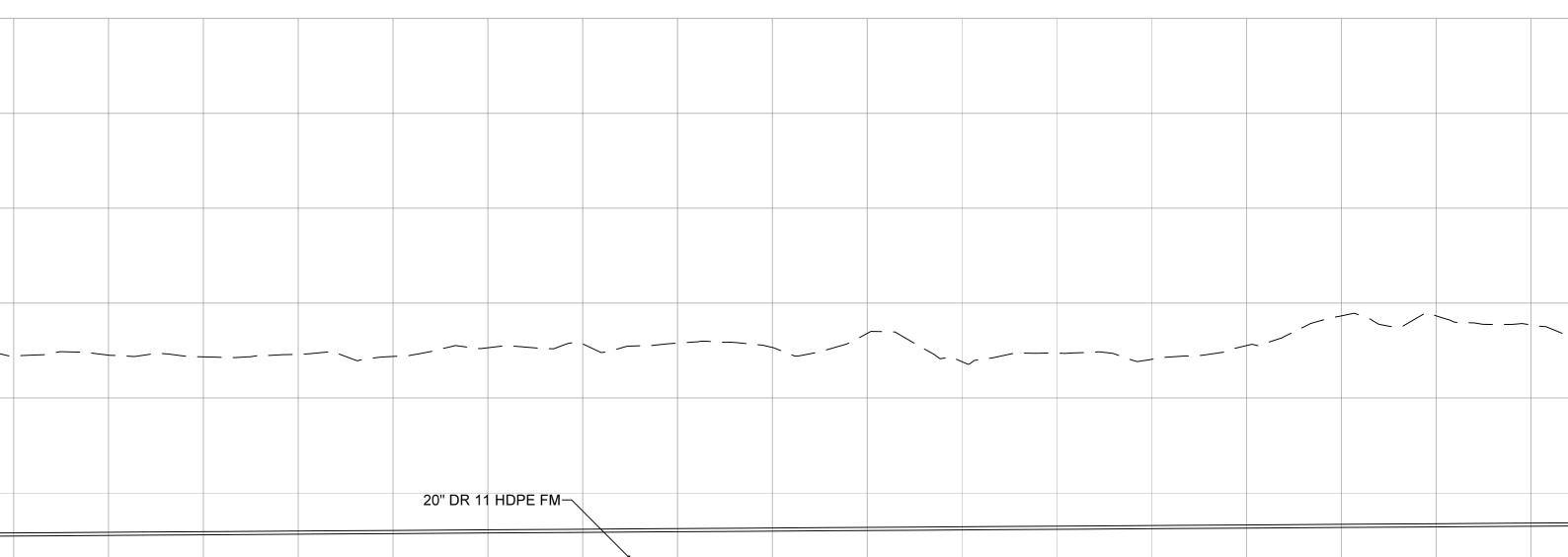


PAGE NOTES

- 1. SEE COVER SHEET FOR NOTES AND LEGEND
- 2. THIS PAGE NOT VALID WITHOUT COVER SHEI





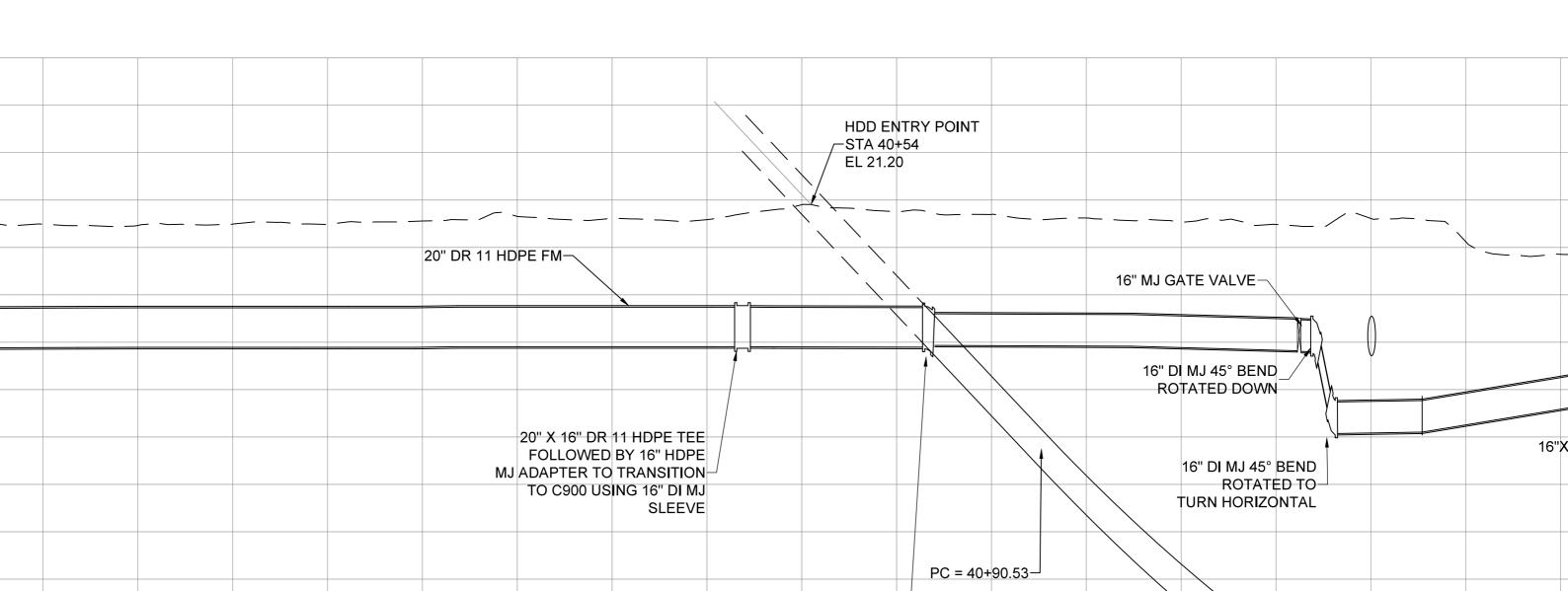


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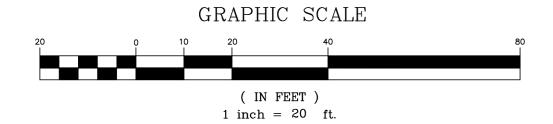
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- RWM

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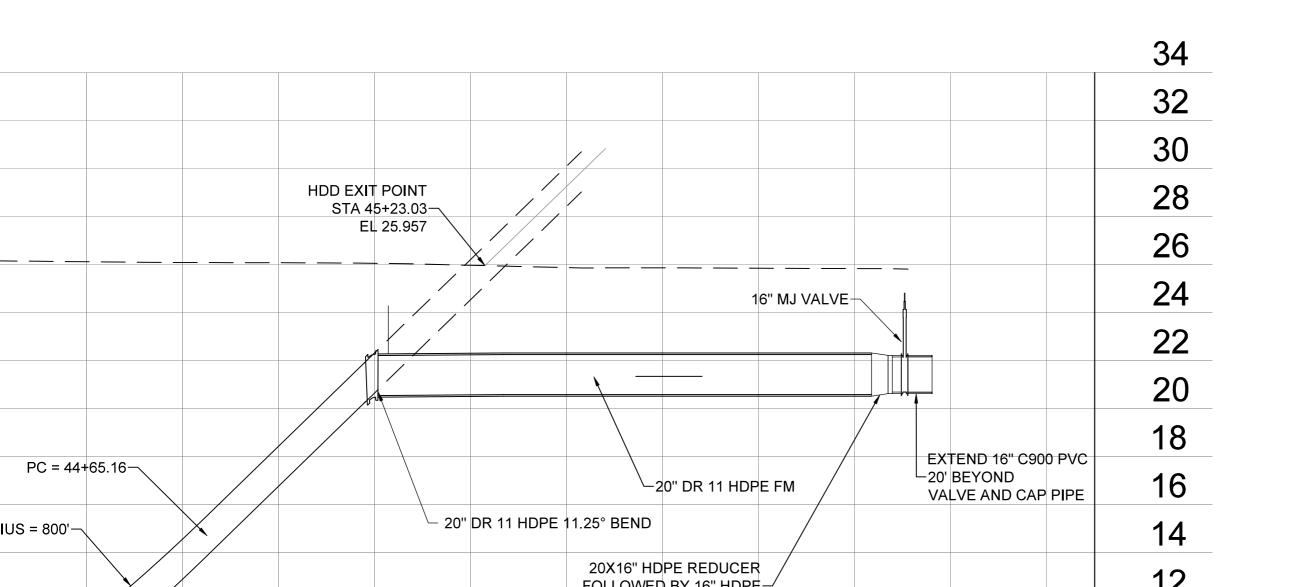


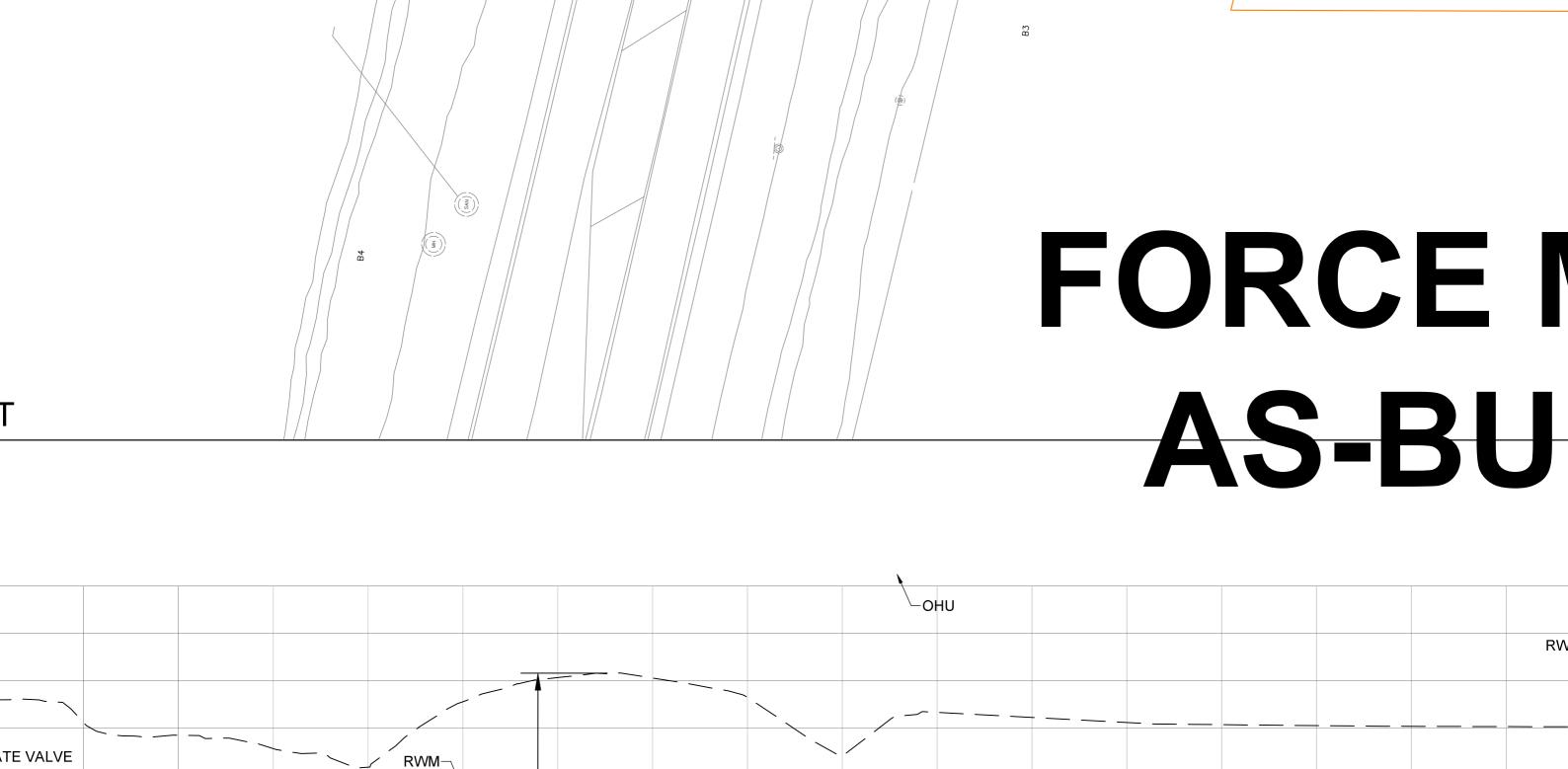




PAGE NOTES

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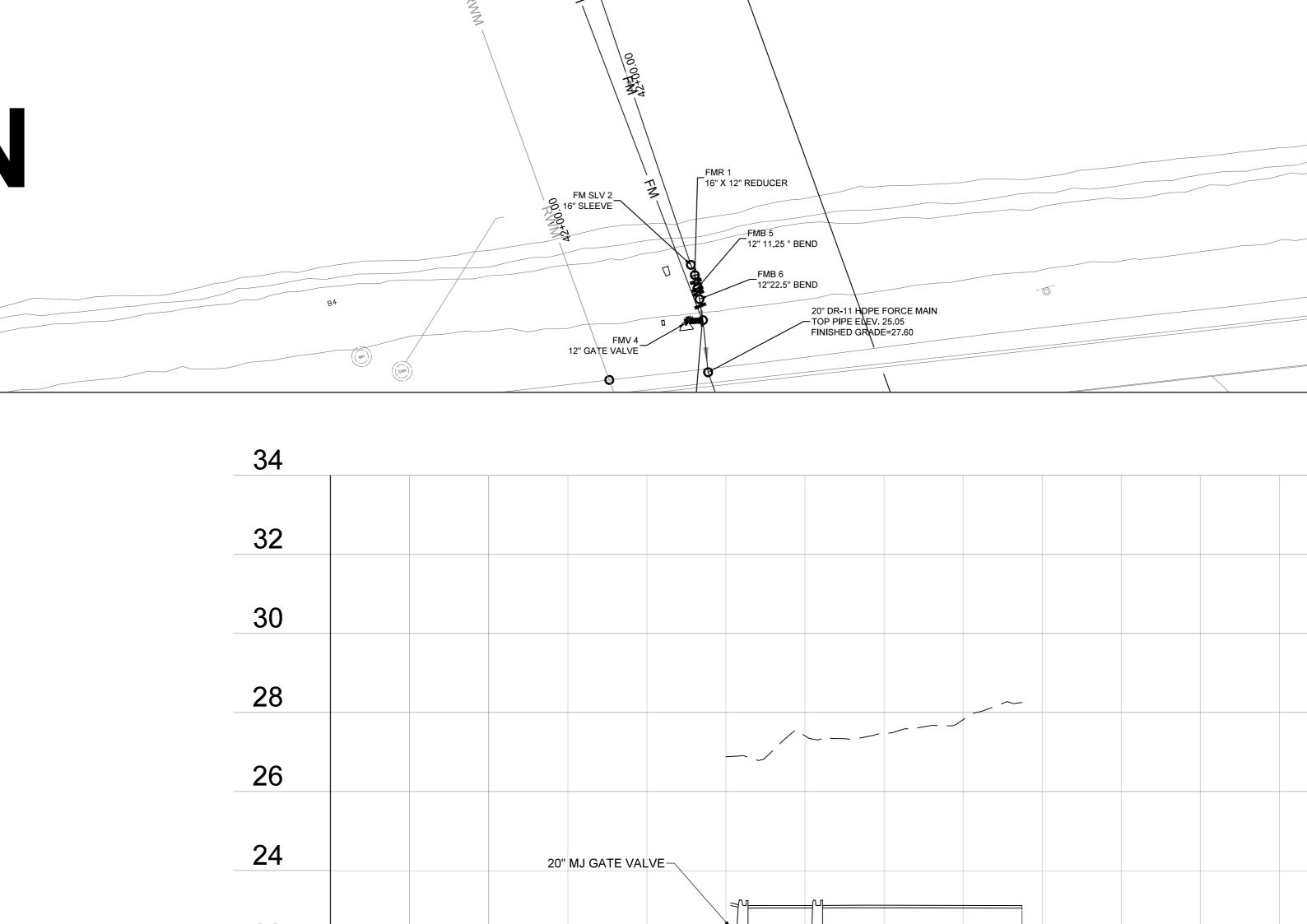


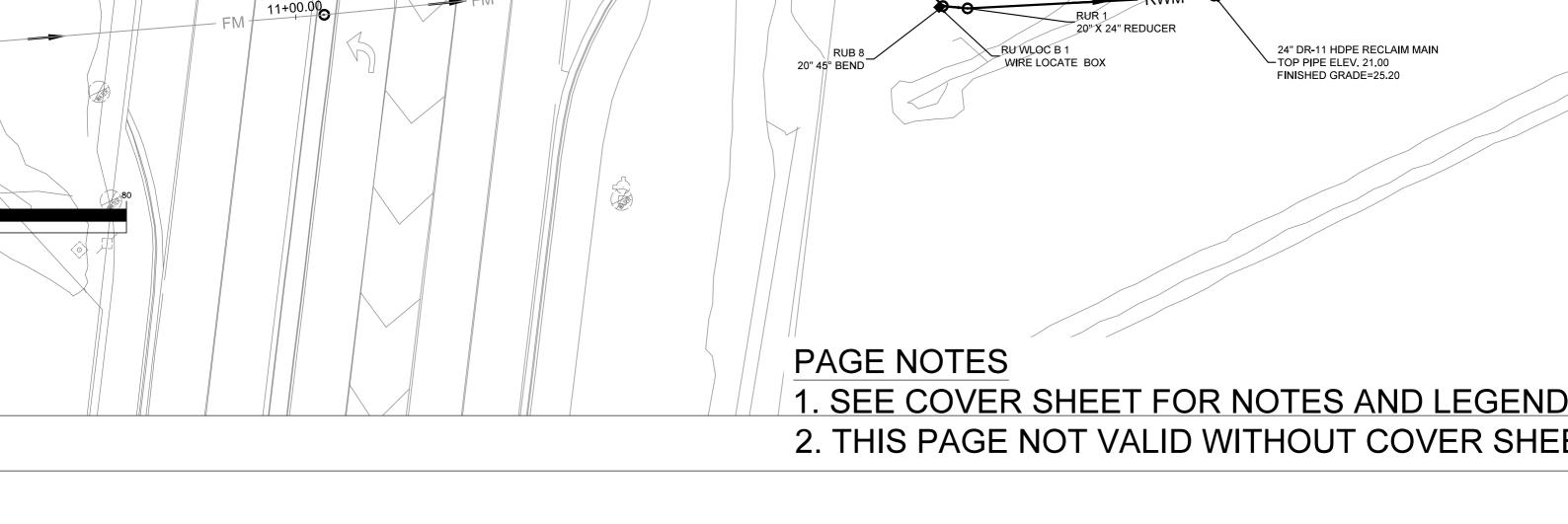
EXISTING 12"_C900 PVC FM

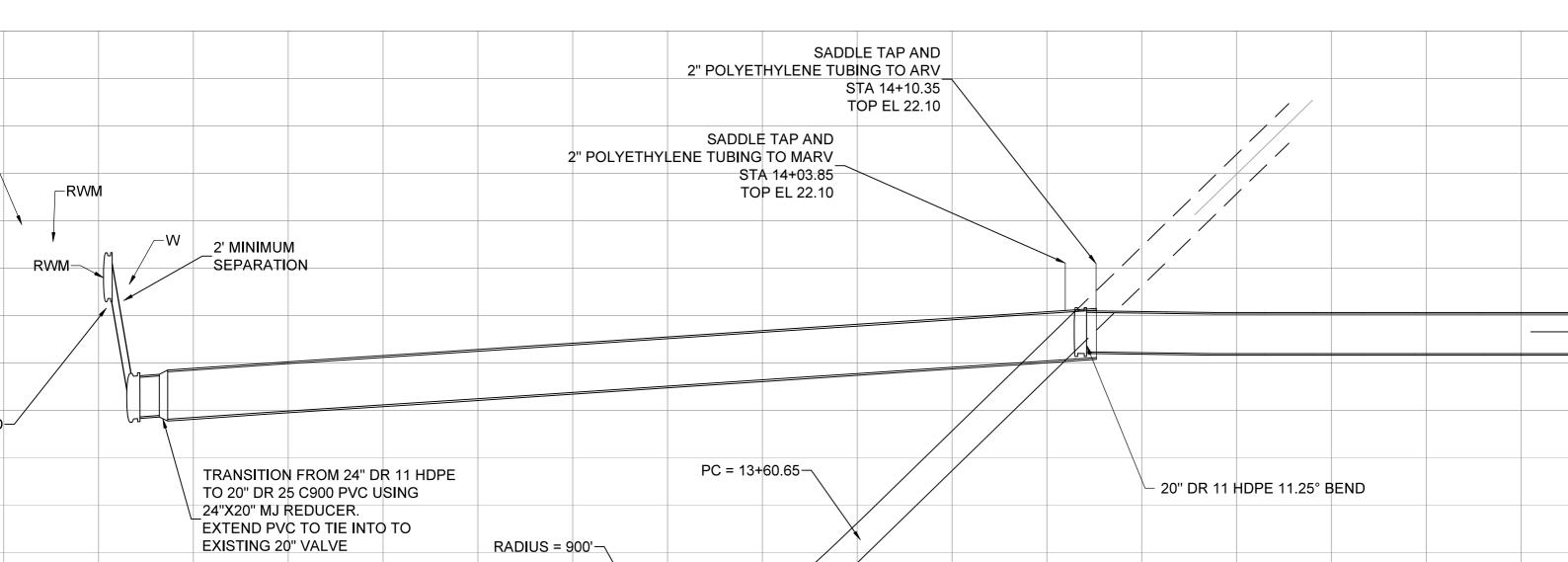
30.33'

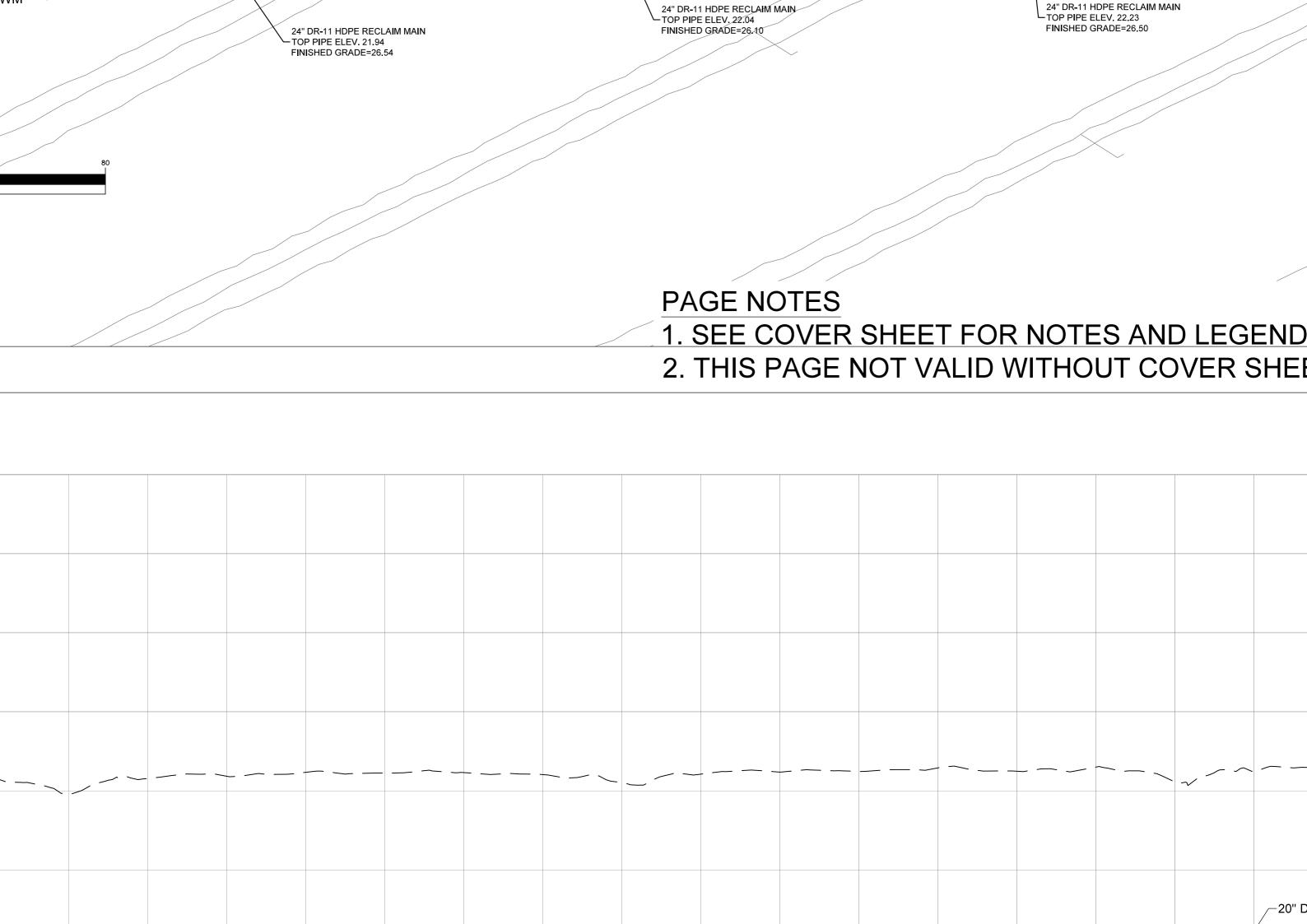
-UNKNOWN

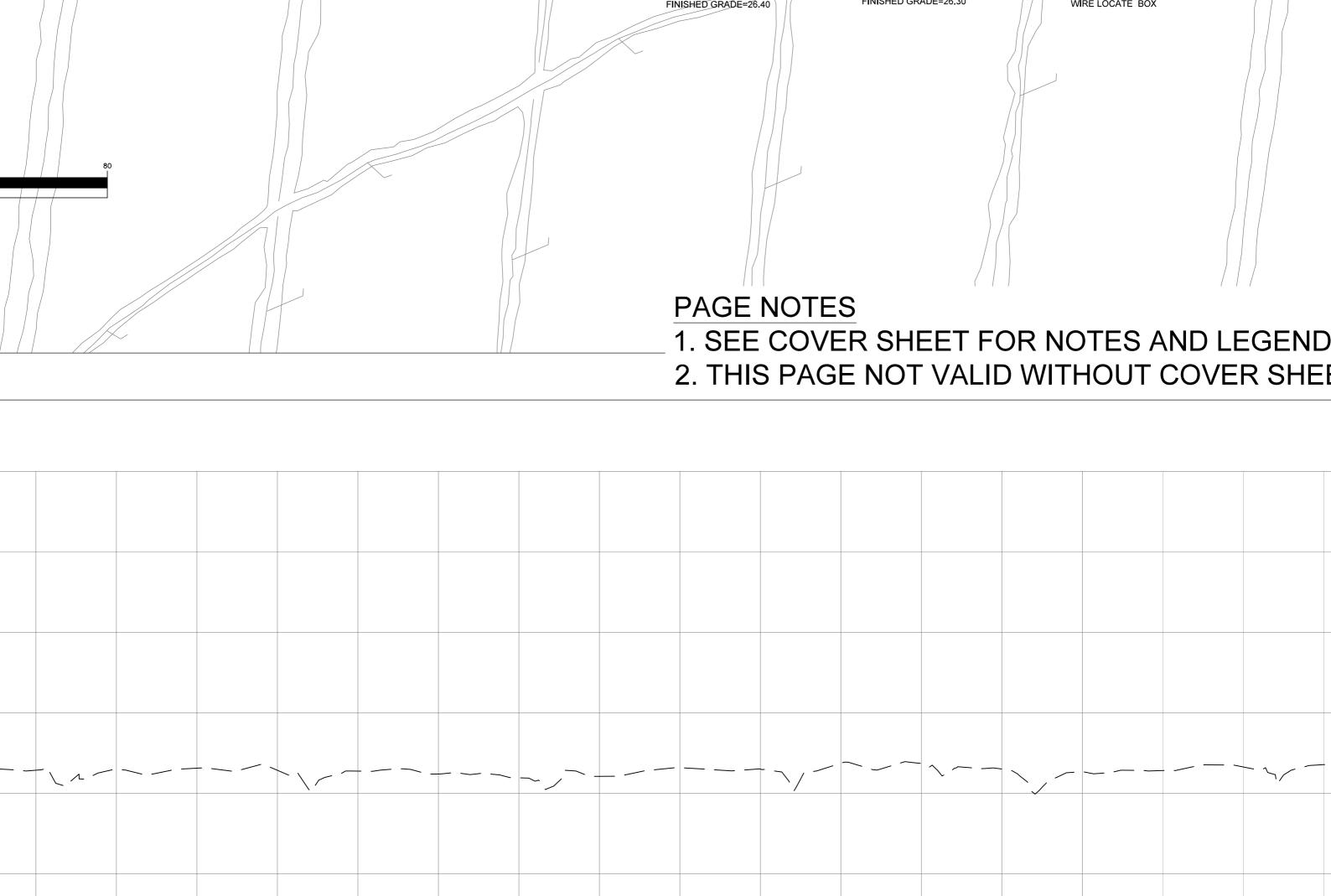
PC = STA 44+65.16-



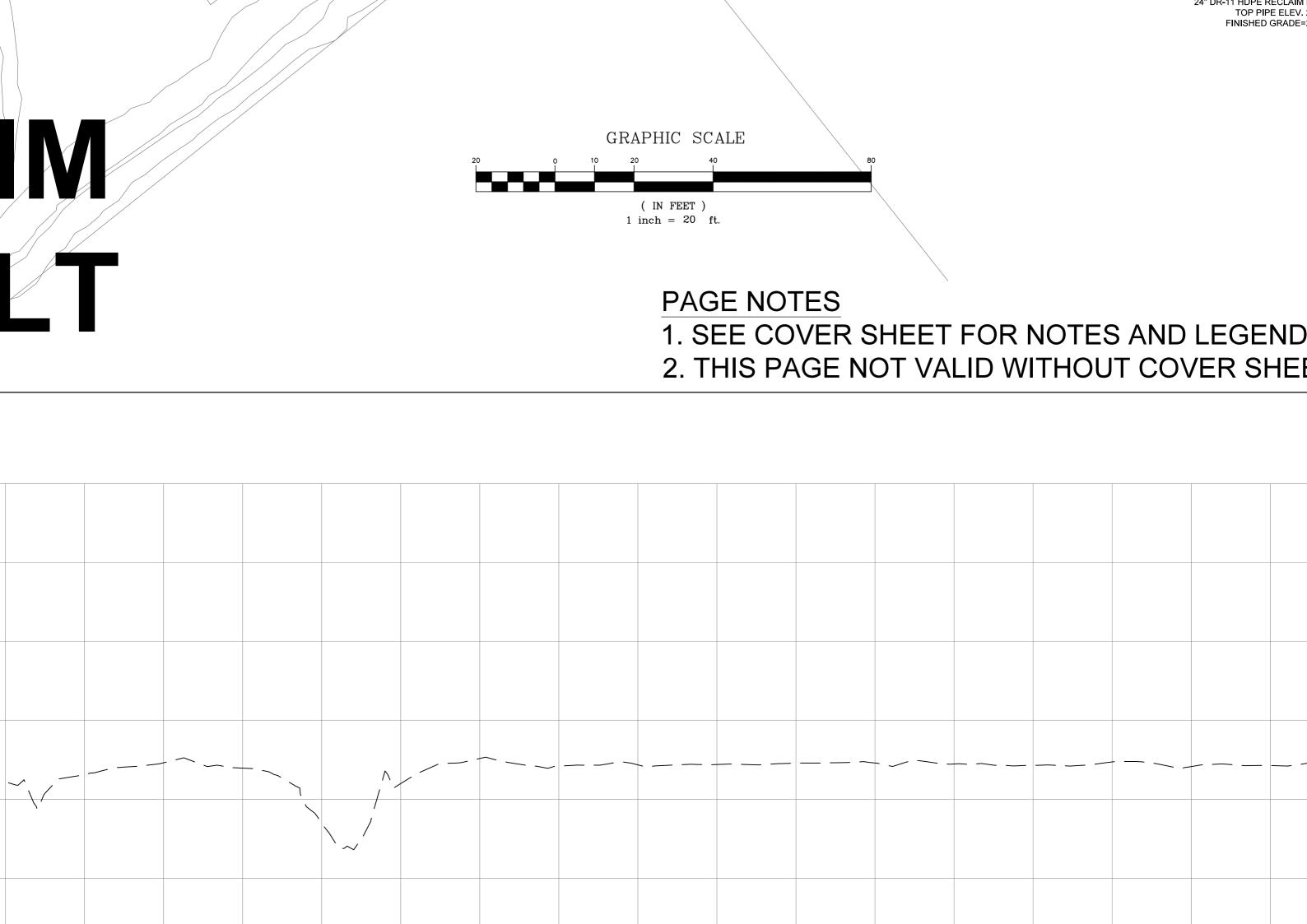




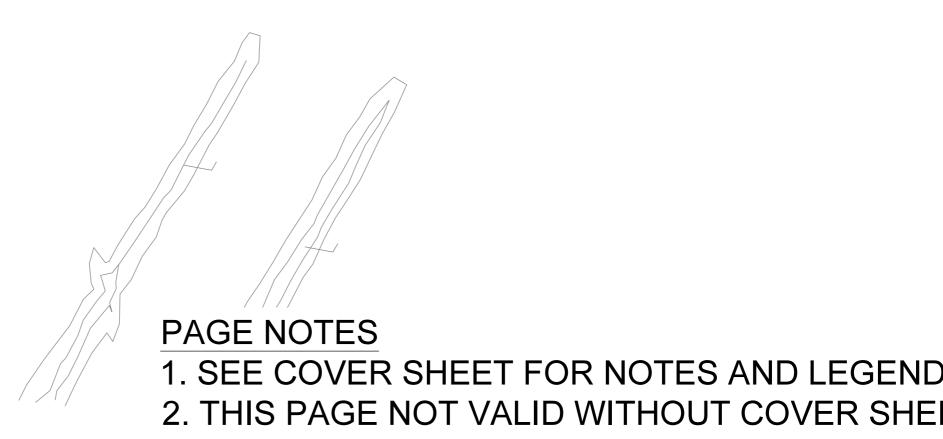


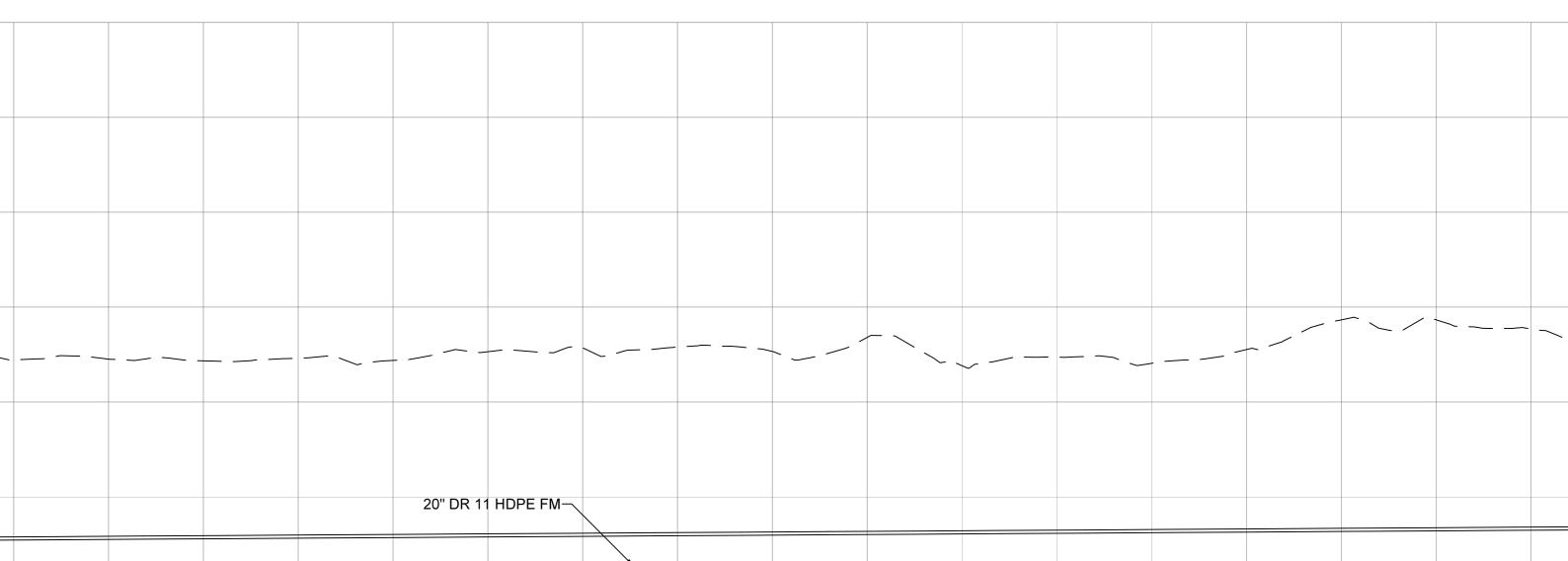


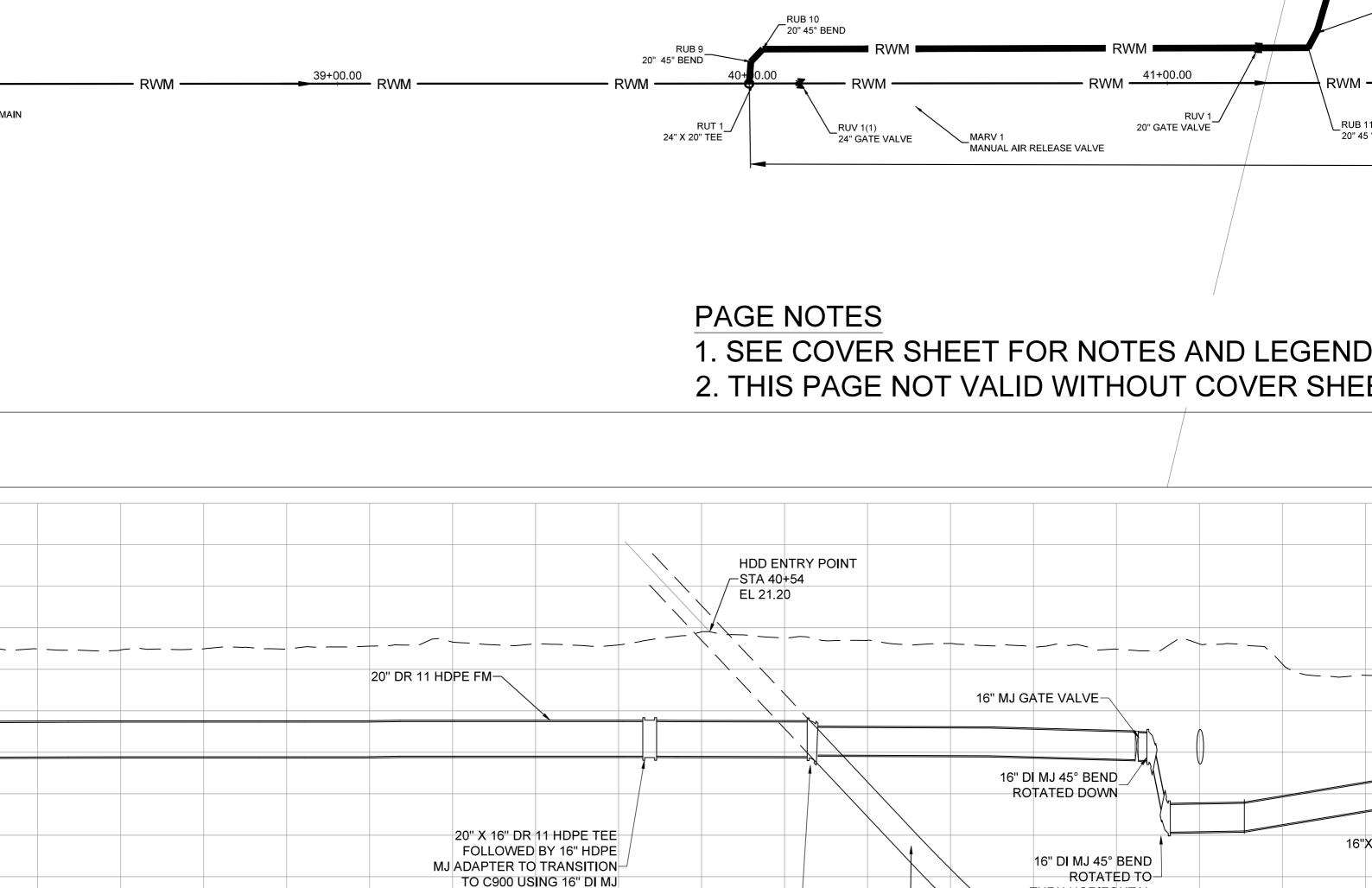
__20" DR 11 HDPE FM











SLEEVE

TURN HORIZONTAL

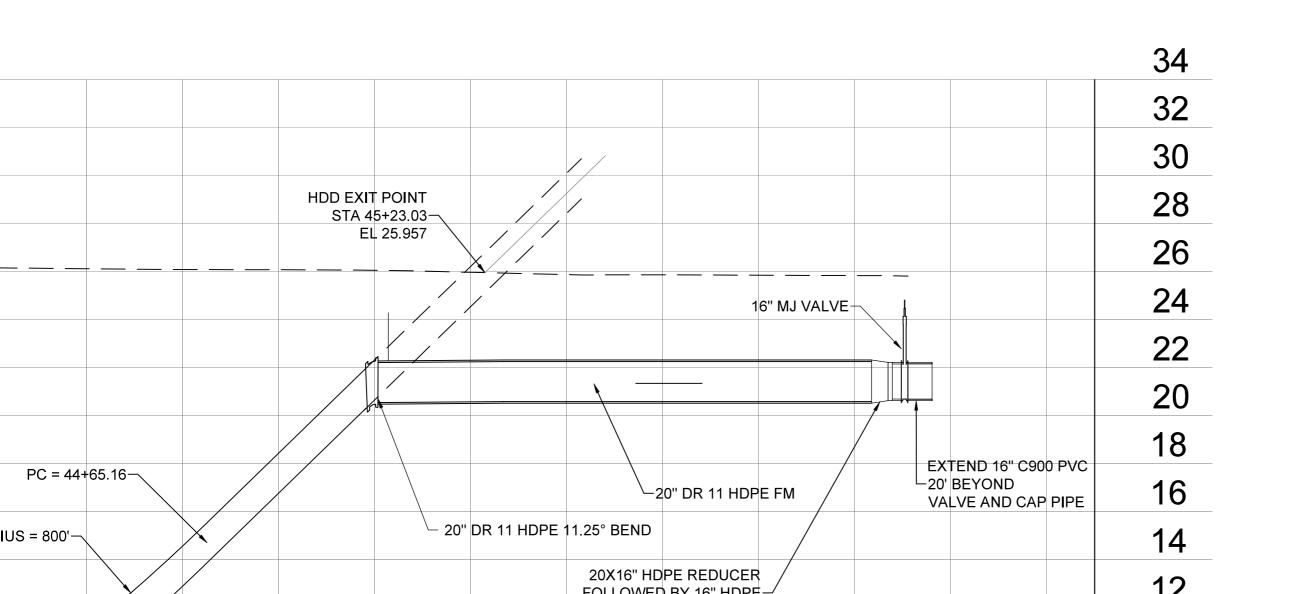
PC = 40+90.53

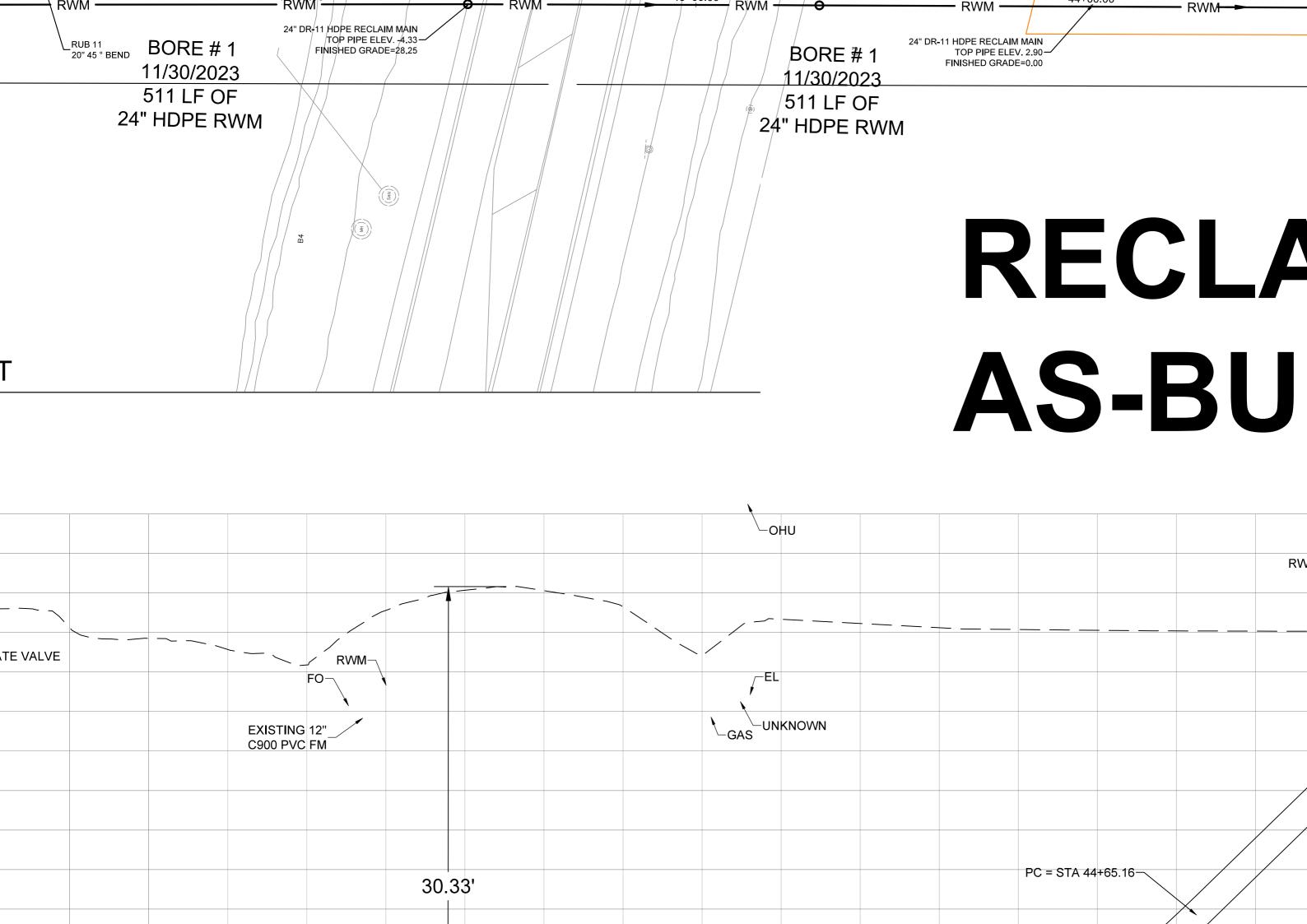


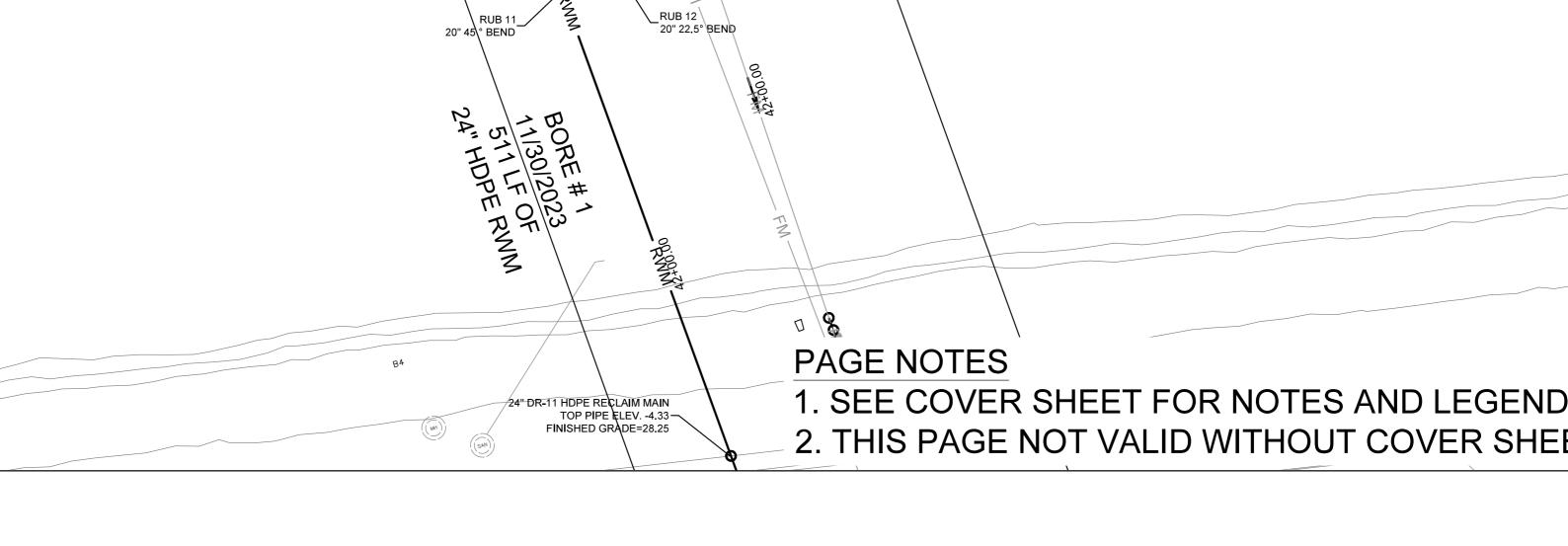


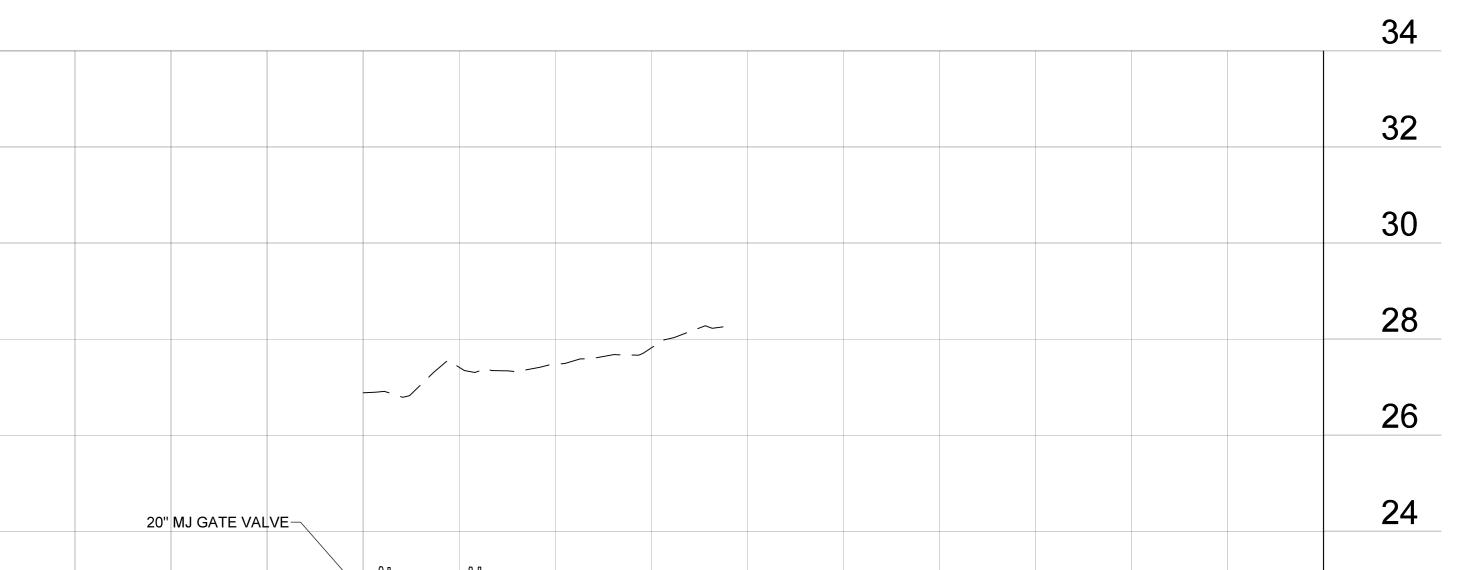
PAGE NOTES

- 1. SEE COVER SHEET FOR NOTES AND LEGEND
- 2. THIS PAGE NOT VALID WITHOUT COVER SHEI









DI	EPOXY	21.20	26.70	5.50	504324.50	2046593.54	029.96246	-081.47952	1

DETAIL TABLE						
DEPTH TO NUT	MANUFACTURER	NORTHING LATITUDE	EASTING LONGITUDE	LATITUDE (DECIMAL DEGREES)	LONGITUDE (DECIMAL DEGREES)	
- 27.35		2046553.93	504322.17	029.58	-081,29	
0.25		2046472.65	504342.67	029.58	-081.29	
5.90		2046581.95	504325.59	029.58	-081.29	
-25.33		2046070.14	504364.46	029.58	-081.29	
4.60		2049642.65	502281.16	029.58	-081.29	
		·	-	·		

T B LANDMARK CONSTRUCTION BORE PROFILE LOG

PIPE

OWNER/GC: St. Johns County Utilities Department

SITE: CR2209 Corridor @ SR16

STATION START: 40+29

STATION END: 45+38

JOB NUMBER: 9317

JOB NAME: CR2209 FM & RWM Ext. from IGP to SR16

DRILLER: Freddy

ROD	DEPTH	STATION #
20	3'	
40	7'4"	
60	11'9"	
80	17'6"	
100	19'7"	
120	22'7"	
140	23'1"	
160	26'10"	
180	27'6"	
200	27'11"	
220	29'	
240	31'11"	
260	29'10"	
280	29'10"	
300	27'	
320	26'9"	
340	25'11"	
360	23'10"	
380	20'8"	
400	18'2"	
420	14'5"	
440	11'1"	
460	7'6"	
480	3'6"	
		_

POLY	DI	EPOXY	23.81	27.10	3.29	504348.86	2046589.40	029.96245	-081.47944
ICAL FITTING	DI	EPOXY	22.63	27.60	4.97	504370.39	2046360.39	029.96182	-081.47937
ICAL FITTING	DI	EPOXY	19.76	24.20	4.44	502277.48	2049638.76	029.97081	-081.48602
•	•	•		•	•	•			
CE MAIN VALVE DETAIL TABLE									

LATITUDE

(DECIMAL DEGREES)

029.96818

029.96956

029.96105

029.97088

029.96245

029.96215

029.96182

029.96103

LONGITUDE

(DECIMAL DEGREES)

-081.48351

-081.48540

-081.47931

-081.48611

-081.47942

-081.47939

-081.47938

-081.47930

NO.	LOCATE BOX SUBTYPE	N
FM WLOC B 1	WIRE LOCATE BOX	- 2
FM WLOC B 3	WIRE LOCATE BOX	:
FM WLOC B 4	WIRE LOCATE BOX	
FM WLOC B 5	WIRE LOCATE BOX	:
FM WLOC B 6	WIRE LOCATE BOX	- 7
FM WLOC B 7	WIRE LOCATE BOX	:

LOCAT

T B LANDMARK CONSTRUCTION, INC. BORE PROFILE LOG

NORTHING

2048681.44

2049184.55

2046079.92

2049663.53

2046589.62

2046480.55

2046361.00

2046072.96

EASTING

503067.07

502472.28

504388.66

502248.89

504353.22

504365.15

504367.11

504389.10

 OWNER/GC:
 St. Johns County Utilities Department
 DATE:
 12/4/2023

 SITE:
 CR2209 Corridor @ SR16

 STATION START:
 40+42

 STATION END:
 45+63

 JOB NUMBER:
 9317
 BORE #:
 2

 JOB NAME:
 CR2209 FM & RWM Ext. from IGP to SR16
 SIZE:
 20"

 DRILLER:
 Freddy
 PIPE TYPE:
 HDPE FM

DAIDEBLU				
ROD	DEPTH	STATION #		
20	3'			
40	6'10"			
60	10'8"			
80	14'9"			
100	18'2"			
120	21'9"			
140	23'8"			
160	25'9"			
180	27'7"			
200	28'4"			
220	26'9"			
240	31'4"			
260	31'			
280	31'			
300	29'11"	4		
320	26'4"			
340	26'			
360	26'2"			
380	23'9"			
400	20'11"			

DEPTH

TO NUT

3.10

5.00

3.30

2.36

1.25

1.48

3.39

2.30

MANUFACTURER

FINISH

GRADE

25.50

26.87

25.70

25.50

27.10

27.00

27.60

25.70

NUT

2.40

.87

2.40

.85

5.52

1.21

SIZE:	HDPE FM					
PIPE TYPE:						
ROD	DEPTH	STATION #				
800						
820						
840						
860						
880						
900						
920						
940						
960						
980						
1000						
1020		1				
1040						
1060		1 1				
1080		1 1				
1100						
1120						
1140						
1160						
1180						

T B LANDMARK CONSTRUCTION, INC. BORE PROFILE LOG

OWNER/GC: St. Johns County Utility Department DATE:

SITE: North Side of International Golf Parkway at St. Johns Parkway

STATION START: 8+52

STATION END: 14+91

JOB NUMBER: 9317 BORE #:

JOB NAME: CR2209 FM & RWM Ext from IGP to SR16

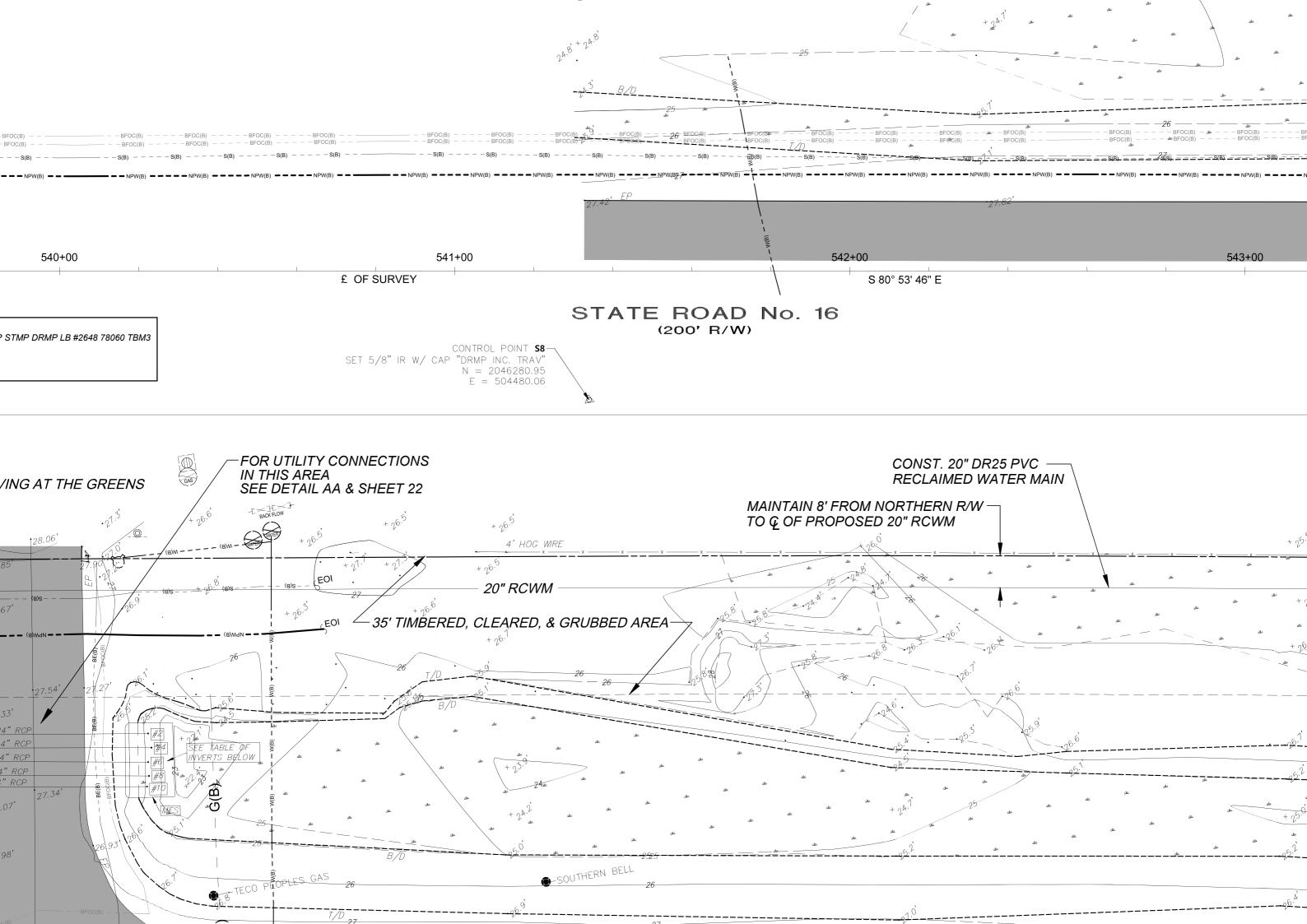
PRILLER: Freddy

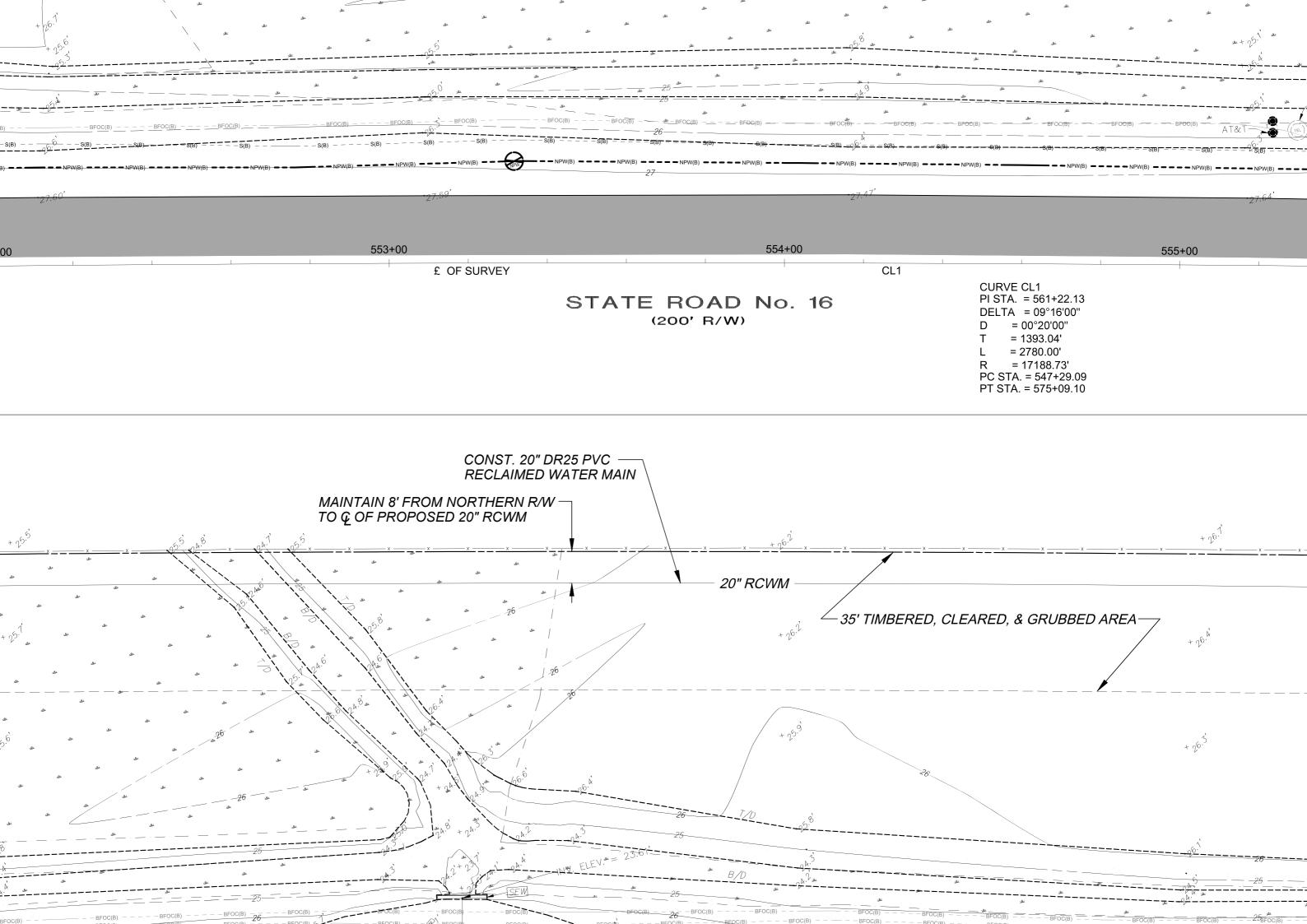
DRILLER: STATION # DEPTH ROD 3' 20 6'4" 40 11'1" 60 14'7" 80 18'4" 100 21'6" 120 24'10" 140 26'10" 160 28'7" 180 29'6" 200 31' 220 33'9" 240 33'6" 260 33'11" 280 35' 300 34'1" 320 35'10" 340 33'11" 360 30'4" 380 29'10"

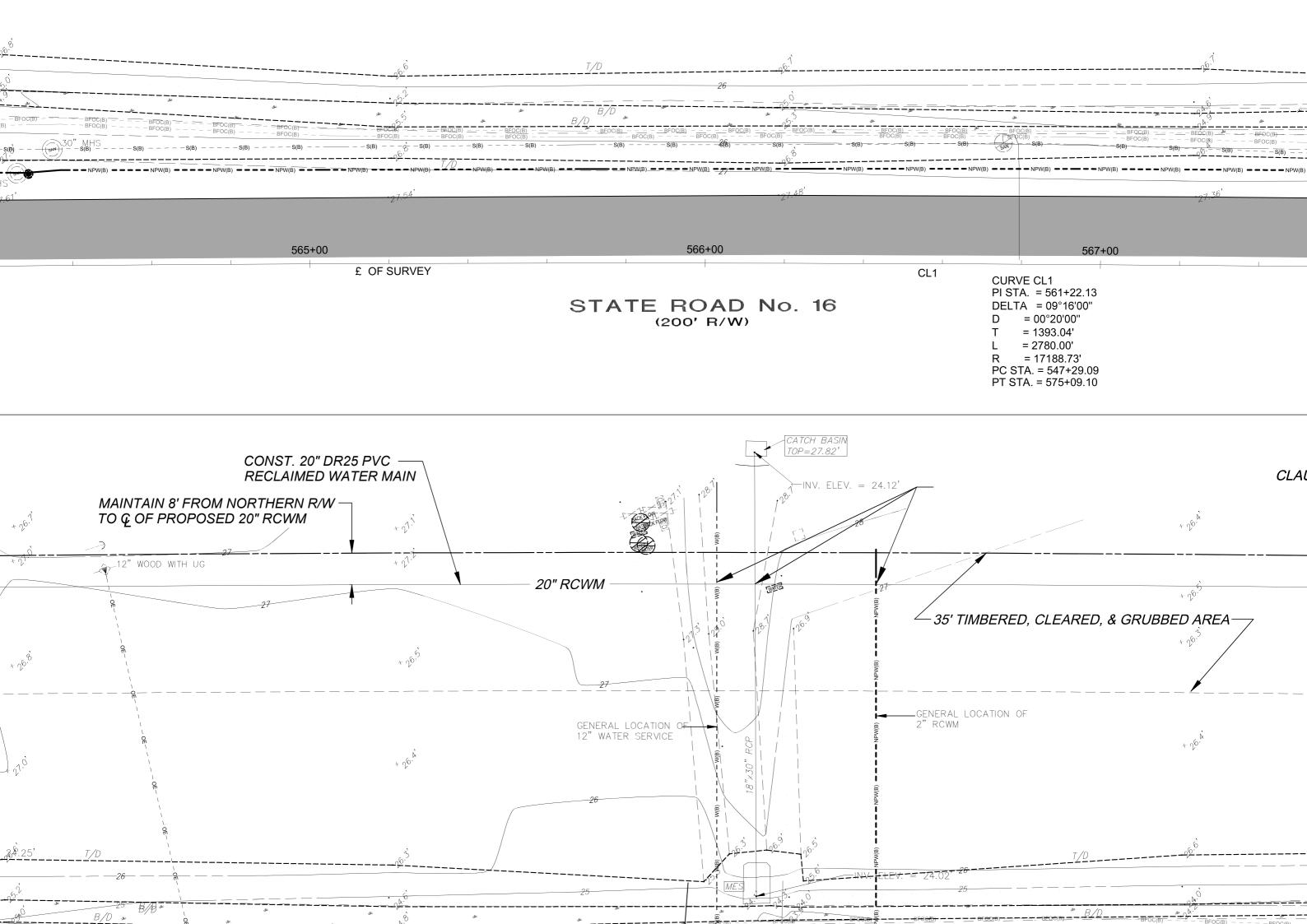
PIPE TYPI
ROD
800
820
840
860
880
900
920
940
960
980
1000
1020
1040
1060
1080
1100
1120
1140
1160
1180

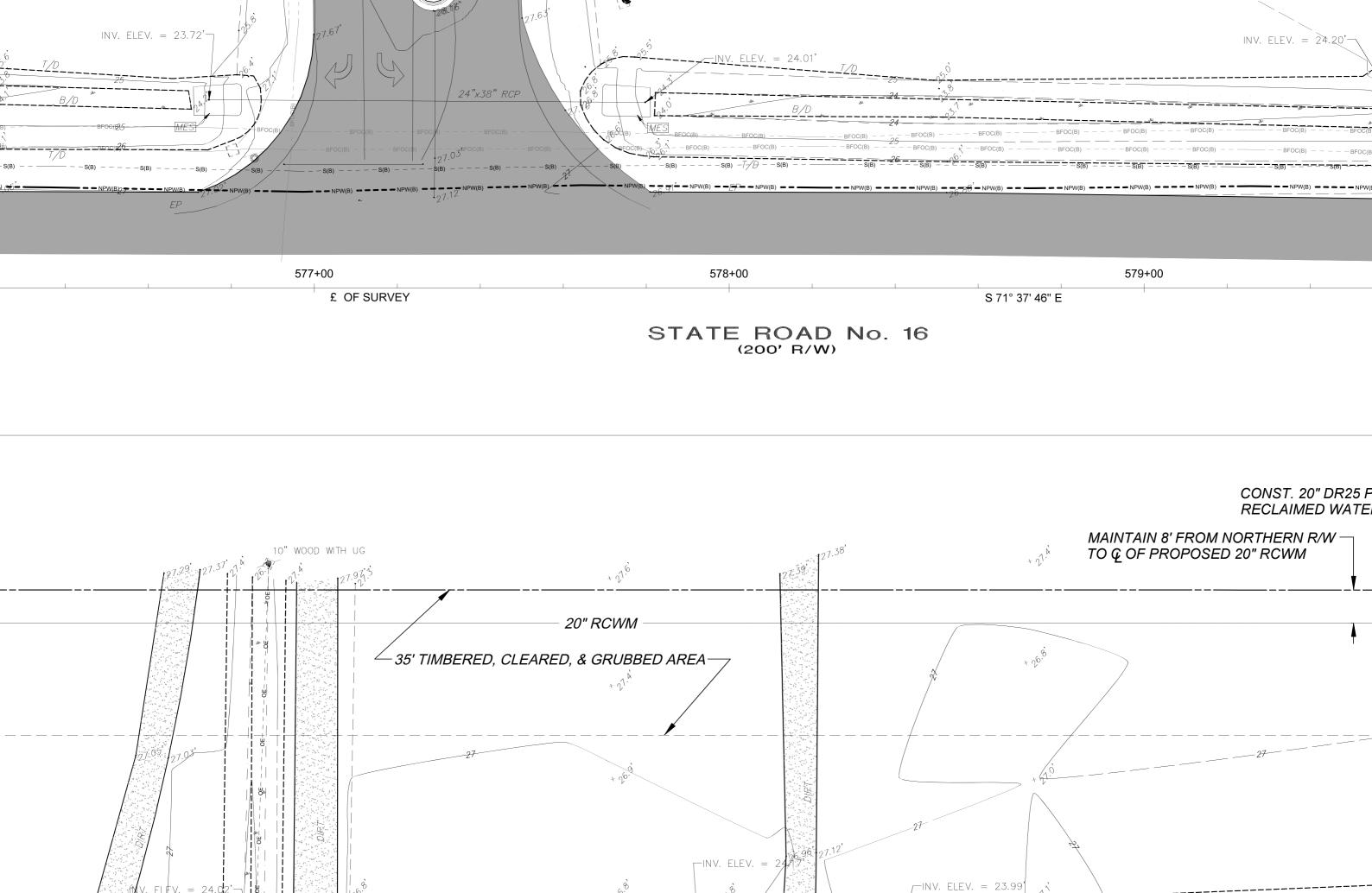
SIZE:

Proposed Reclaimed Water Main Design Plans









∕-INV. ELEV. = 24.16'

