

## **Underground Distribution Manhole and Conduit System**

### **1. SCOPE**

It is the intent of these Contract Documents to provide contractor services for the installation of a manhole and conduit system for the extension of JEA's Point Meadows Ckts 233, 234, & 235. The Contractor shall provide all labor, supervision, equipment, and materials (except as otherwise noted) which are necessary to complete the Work within the time stipulated, and to comply with the plans furnished and with the requirements of these specifications.

The Work specified within these Contract Documents include the installation of pre-cast manholes, conduit, and other associated material within the project limits.

### **2. GENERAL INTENT**

- 2.1.** All Work shall be done in a safe and professional manner, so as to render a neat and uniform appearance. All material shall be handled in such a way as to preserve its finish and protective coatings. General arrangement shall be in accordance with JEA Underground Distribution Construction Standards and Street Light Standards and satisfactory to the Contract Administrator. The JEA Underground Distribution Standards are located at [https://www.jea.com/Engineering\\_and\\_Construction/Electric\\_Reference\\_Materials/](https://www.jea.com/Engineering_and_Construction/Electric_Reference_Materials/).

### **3. CONSTRUCTION DRAWINGS**

- 3.1.** The Construction Drawings consist of plan views of the entire project showing the manhole and conduit system locations with the expected size and number noted. See Exhibit B.

### **4. JEA UNDERGROUND DISTRIBUTION CONSTRUCTION STANDARDS**

- 4.1.** This publication provides standard engineering, design and construction practices for JEA. It contains Standard Construction Plates which illustrate the various Standards as well as providing written specifications, construction notes and a list of required materials. The JEA Underground Distribution Standards are located at [https://www.jea.com/Engineering\\_and\\_Construction/Electric\\_Reference\\_Materials/](https://www.jea.com/Engineering_and_Construction/Electric_Reference_Materials/).
- 4.2.** Where applicable, all work will be performed as specified by the JEA Underground Electric Distribution Construction Standards which shall be considered as part of the specifications.
- 4.3.** Revisions to these Standards shall also be considered as part of these specifications. If such revisions substantially change the cost of installation of a unit, the price for such unit shall be handled in accordance with the terms and conditions of the contract.

### **5. CONTRACTOR LOCATING EQUIPMENT**

- 5.1.** The Contractor is responsible for calling in utility locates per state law.

### **6. EXCAVATIONS**

- 6.1.** All excavations shall be made in compliance with Occupational Safety and Health Administration (OSHA) Regulations.
- 6.2.** De-watering, sheeting and shoring shall be at the discretion of the Contractor and the allowance for the cost of same shall be included in the Bid.

- 6.3.** All excavations are to be backfilled and compacted to the original degree of compaction, unless otherwise indicated. In addition, those excavations on City, County or State right-of-ways are to be compacted by the procedures and to the densities required by the governing authority. Refer to JEA Underground Electric Distribution Construction Standards at Section III Earthwork.
- 6.4.** Storage of excavated material shall be the responsibility of the Contractor. Material unsuitable for backfill or excess backfill material shall be disposed of by the Contractor.

## **7. AS-BUILT DRAWINGS**

- 7.1.** The Contractor shall provide to the JEA Representative one complete color coded set of "As-built" Drawings, and one Xerox black & white copy set of the color coded set to the JEA Representative after completion of the Work and within ten business days. The "As-Built" Drawings shall be dimensioned and abbreviated in accordance with the JEA "Detailed Underground Electric As-Built Standards". The dimension markings and color codes shall be as follows:

**Red – primary distribution conduit (2")**  
**Purple – primary distribution conduit (4")**  
**Orange – primary feeder conduit (6")**  
**Green – secondary street light conduit (1")**  
**Navy – other secondary conduit (3")**

- 7.2.** The Contractor shall be responsible for keeping all project construction as-built records and prints for a period of 24 months (2 years) from completion of the project in the event JEA requires additional prints provided by the Contractor, and shall include this in the Bid Price.

## **8. SITE RESTORATION**

- 8.1.** It is the policy of the JEA to restore all property, both public and private, to as good or better condition than when the construction began. Area shall be restored to the satisfaction of the JEA Representative, adjacent property owners and, if in the right-of-way, meet the requirements of the agency having jurisdiction.
- 8.2.** Streets, sidewalks and other paved areas are to be replaced in accordance with JEA Underground Distribution Construction Standards, Section VIII - Surface Work, and/or the "City Standard Specifications for the City of Jacksonville" and/or the Florida DOT "Standard Specifications for Road and Bridge Construction/Plans & Preparation Manual (PPM)/Florida DOT Roadway & Traffic Design Standards", where applicable. It should be noted that saw cutting of pavement to clean straight lines is required as well as replacement of sidewalks to construction joints.

## **9. AREAS OF CONSTRUCTION**

The area of work will be within the Point Meadows Dr & Gate Pkwy Right-of-Way and JEA Utility easement as shown in the contract drawings. Any FDOT Permit requirements for MOT and Work Hours must be adhered to.

## **10. EXPLANATION OF BID WORK**

- 10.1.** Directional Bore

**10.1.1.** Contractor will install conduits using directional boring equipment under existing street, roadway or any other surface without disturbing said surface. Conduits shall be installed at the minimum depth, within the limits specified in the Contract Documents and in accordance with JEA Underground Distribution Construction Standards; and these conduits shall include pull rope/flat strap as a means to pull back cables. This item shall include the digging and restoration of all pits necessary to complete the installation. De-watering, sheeting and shoring, if required, shall be included in the Bid Item. Backfill and compaction shall be such as to attain the original degree of consolidation. All conduits will be tied in within three (3) working days of installation. Area shall be restored to the satisfaction of the JEA Representative, adjacent property owners and, if in the right-of-way, meet the requirements of the agency having jurisdiction.

**10.1.2.** The JEA may elect to supply the conduit on a reel and the associated fittings. Should the JEA elect to have the Contractor supply the conduit and fittings, the costs shall be reimbursed on an L.E.M. basis. The conduit and fittings shall meet the JEA specifications as referenced in this Appendix A.

## **10.2. Trench**

**10.2.1.** This item includes the cost of excavating trench of every description of whatever substance encountered, all in accordance with JEA Underground Distribution Construction Standards (See Section III - EARTHWORK) and Project Documents.

**10.2.2.** The Contractor shall provide such dewatering, well-pointing, sheeting and shoring, as may be required to support the sides of any excavation. Labor, equipment and material to provide such support, and to hold any pole to prevent its falling due to excavation, as well as the cost of required compaction tests shall be paid by the Contractor and included in the Bid.

**10.2.3.** In the event the Contractor excavates below the grade required, the Contractor shall at its own expense backfill and compact material as specified by the Project Engineer.

**10.2.4.** In the event that unsuitable base material is encountered and is designated to be replaced or unsuitable backfill is designated to be replaced, measurement and payment will be made on the basis of the appropriate item as set forth in the contract.

## **10.3. Manholes**

**10.3.1.** The item shall consist of a complete "package" which shall include excavation, installation and backfilling, all in accordance with JEA Underground Distribution Construction Standards, (See Section IV, CONCRETE).

**10.3.2.** Dimensions of structure sizes indicated in the JEA description column are nominal inside dimensions. The dimensions of the excavation required to set the various sized structures shall be based on the limits of excavation for these items.

**10.3.3.** The Contractor shall do all the excavating of every description of whatever substance encountered, backfill, and compact the excavation to the required densities. The Contractor shall provide such dewatering, well-pointing, sheeting and shoring as may be required to support the sides of the excavation. Labor, equipment and material to provide such support, and hold any pole to prevent its falling due to excavation, as well as the cost of required compaction tests shall be paid by the Contractor and included in the Unit Price.

**10.3.4.** In the event the Contractor excavates below the grade required, the Contractor shall at its own expense backfill and compact material as specified by the Project Engineer.

**10.3.5.** In the event that unsuitable base material is encountered and is designated to be replaced or unsuitable backfill is designated to be replaced, measurement and payment will be made on the basis of the appropriate item as set forth in the contract.

**10.3.6.** Pre-cast concrete structures will be furnished by the JEA and will be delivered. The Contractor shall give the manufacturer 48 hours' notice as to the desired delivery, time and date. The Contractor will be required to unload, stage, and set the pre-cast structure. Such operations shall be at the Contractor's expense.

#### **10.4. PVC Manholes**

**10.4.1.** Install items include the cost of excavation, installation of manhole to proper grade, cutting holes in floor or wall for up to six (6) elbow or conduit entrance, base course, backfill, and compaction. All in accordance with JEA Underground Distribution Construction Standards (See Section IV - CONCRETE) and Project Documents.

#### **10.5. Direct Buried Conduit**

**10.5.1.** Contractor will install conduits, couplings, plugs, markers, pull cord and marking tape, all in accordance with the JEA Underground Distribution Construction Standards. The ducts, so installed, shall furnish a continuous path for the installation of cable between manholes, riser poles, transformers, equipment cabinets or any combination thereof.

**10.5.2.** All ducts shall be proven with a mandrel which has been approved by the JEA Standards Committee and which is no more than 1/2" smaller than the duct diameter before it is accepted. A pull string shall be installed in any conduit which is so designated. Duct failing to pass the proper mandrel shall be replaced/repaired at the expense of the Contractor.

#### **10.6. Pads & Pits**

**10.6.1.** Pads - Contractor shall set precast concrete pads in accordance with JEA Underground Distribution Construction Standards. Pad shall be level and set so that no part of the pad is lower than "finish" grade. Prior to setting of pad, ells are to be installed as per the Conduit Plate, and soil shall be compacted to original degree of consolidation. Additional backfill material, if required, shall be included in the Bid Item.

**10.6.2.** Pits - Contractor shall set precast concrete pits in accordance with JEA Underground Distribution Construction Standards. Prior to setting of pit, ells are to be installed as per Conduit Plate and soil shall be compacted in 12 inch lifts to achieve 95% compaction. Storage and/or disposal of excavated material shall be included in the Bid Item. Contractor shall furnish and install granular fill material in the splay opening around the conduit ells in the bottom of the pit.

#### **10.7. Grounding**

**10.7.1.** This item includes the cost to install a minimum of three ground rods and up to a maximum of eight (8) ground rods in an effort to achieve a reading of 25 ohms or less. If the 25 ohm reading is not reached with eight (8) rods, Contractor will record the ground resistance achieved. Reading will be recorded on the inside of the transformer/cabinet with an indelible marker.



**10.7.2.** Ground rods, couplings, wire and connections will be installed in accordance with JEA Underground Distribution Construction Standards (See Section VII - Secondary Systems) and Project Documents.

**10.8. Sidewalk**

**10.8.1.** Concrete Sidewalk Removal - This item includes the cost to remove concrete as required, all in accordance with JEA Underground Distribution Construction Standards (See Section VIII - SURFACE WORK) and Project Documents.

**10.8.2.** Concrete Sidewalk Installation - This item includes the cost of all required form work and the furnishing, pouring and finishing of concrete, all in accordance with JEA Underground Distribution Construction Standards (See Section IV - CONCRETE) and Project Documents.

**11. Items Supplied by Owner**

**11.1.** See Exhibit C

## Exhibit A

### SPECIFICATION FOR HIGH DENSITY POLYETHYLENE, SMOOTH WALL, COILABLE CONDUIT

#### 1. GENERAL

(REGRIND MATERIAL IS **NOT** ACCEPTABLE) SMOOTH WALL DUCT MADE FROM VIRGIN HIGH-DENSITY POLYETHYLENE RESIN IS REQUIRED. THE POLYETHYLENE SHALL BE TYPE III, CATEGORY 3, CLASS C, GRADE P34 MEETING THE LATEST REQUIREMENTS OF ASTM D1248. CONSISTENT WITH THE CELL CLASSIFICATION 334420C, AS DESCRIBED IN ASTM D3350. THE FINISHED PRODUCT SHALL BE IN COMPLIANCE WITH THE DIMENSIONAL, MATERIAL, AND TESTING REQUIREMENTS OF NEMA TC-7 (SDR 13.5), ASTM F714, ASTM D3035, AND ASTM D2447.

#### 2. MINIMUM DRUM SIZE AND BENDING RADIUS, MAXIMUM REEL SIZE

DUCT SIZE	MINIMUM DRUM DIAMETER	UNSUPPORTED BEND RADIUS
1"	24"	14"
1 1/4"	24"	14"
2"	42"	26"
3"	64"	48"
4"	84"	60"
6"	N/A	N/A

RETURNABLE STEEL REELS WITH STANDARD DUCT LENGTHS.

#### 3. PARALLELED ITEMS

PARALLELED CONDUIT SHALL BE PACKAGED IN **2,000** CIRCUIT FOOT REEL LENGTHS OF THE FOLLOWING COLOR PATTERNS (AS STATED ON THE JEA BID PROPOSAL FORM):

- A. YELLOW, PURPLE AND ORANGE
- B. GREEN, BROWN AND GRAY

#### 4. COLOR/UV PROTECTION

CONDUIT COLOR SHALL BE UNIFORM SOLID COLOR AS STATED ON THE JEA BID PROPOSAL FORM. ULTRAVIOLET PROTECTION SHALL BE IN ACCORDANCE WITH ASTM D3895.

#### 5. ENVIRONMENTAL STRESS CRACK RESISTANCE

CONDUIT SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM D1693-80 (VALUE - F20>96 HRS).

#### 6. OVALITY

THE MAXIMUM OVALITY (OUT OF ROUNDNESS) ALLOWED AFTER REMOVAL FROM REEL SHALL BE 10% OF THE DIMENSIONAL LIMITS SET FORTH IN NEMA TC-7.

#### 7. CONNECTION FITTINGS

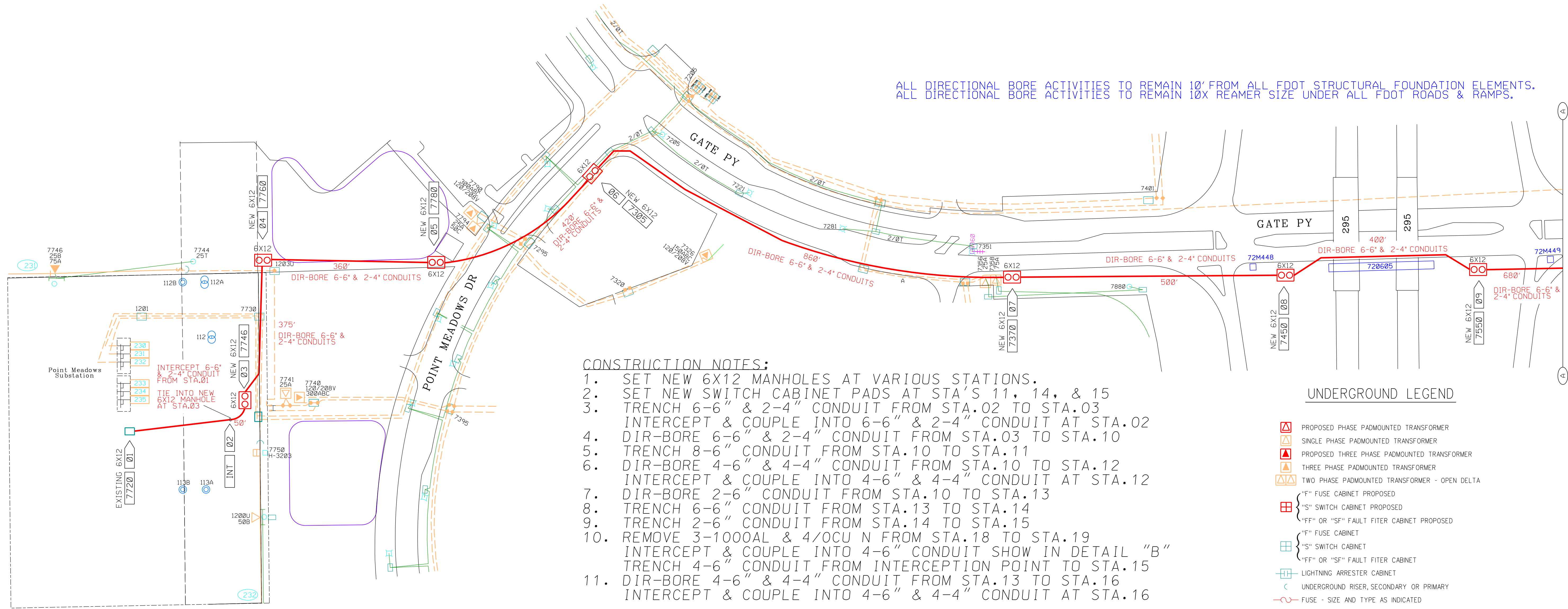
COUPLINGS SHALL BE CORROSION RESISTANT ALUMINUM, THREADED TYPE WHICH HAVE A HIGH PULL OUT STRENGTH. COUPLINGS SHALL BE COVERED AFTER INSTALLATION WITH HEAT SHRINK, COLD SHRINK OR WATER RESISTANT SILICONE TAPE.

#### **8. FINAL DUCT ASSEMBLY**

CONDUIT SHALL BE PRE-LUBRICATED AND HAVE A 500# MIN. STRENGTH PULL STRING INSTALLED. (JEA USE) LUBRICANT SHALL BE COMPATIBLE WITH ALL CABLE INSULATION AND JACKET MATERIAL.

NOTE: IF THERE ARE ANY CONTRADICTIONS OR CONFLICTS BETWEEN SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.

Exhibit B – Construction Drawings



CONSTRUCTION NOTES:

1. SET NEW 6X12 MANHOLES AT VARIOUS STATIONS.
2. SET NEW SWITCH CABINET PADS AT STA'S 11, 14, & 15
3. TRENCH 6-6" & 2-4" CONDUIT FROM STA.02 TO STA.03  
INTERCEPT & COUPLE INTO 6-6" & 2-4" CONDUIT AT STA.02
4. DIR-BORE 6-6" & 2-4" CONDUIT FROM STA.03 TO STA.10
5. TRENCH 8-6" CONDUIT FROM STA.10 TO STA.11
6. DIR-BORE 4-6" & 4-4" CONDUIT FROM STA.10 TO STA.12  
INTERCEPT & COUPLE INTO 4-6" & 4-4" CONDUIT AT STA.12
7. DIR-BORE 2-6" CONDUIT FROM STA.10 TO STA.13
8. TRENCH 6-6" CONDUIT FROM STA.13 TO STA.14
9. TRENCH 2-6" CONDUIT FROM STA.14 TO STA.15
10. REMOVE 3-1000AL & 4/OCU N FROM STA.18 TO STA.19  
INTERCEPT & COUPLE INTO 4-6" CONDUIT SHOW IN DETAIL "B"  
TRENCH 4-6" CONDUIT FROM INTERCEPTION POINT TO STA.15
11. DIR-BORE 4-6" & 4-4" CONDUIT FROM STA.13 TO STA.16  
INTERCEPT & COUPLE INTO 4-6" & 4-4" CONDUIT AT STA.16

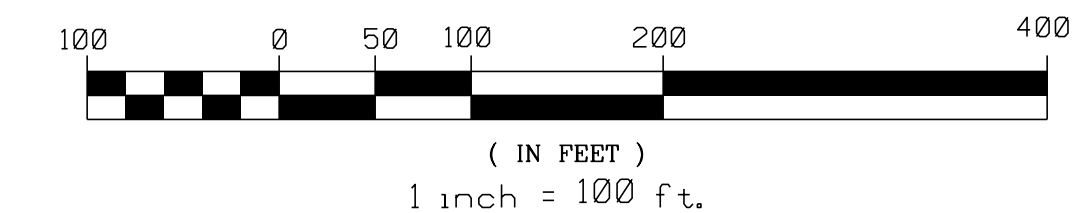
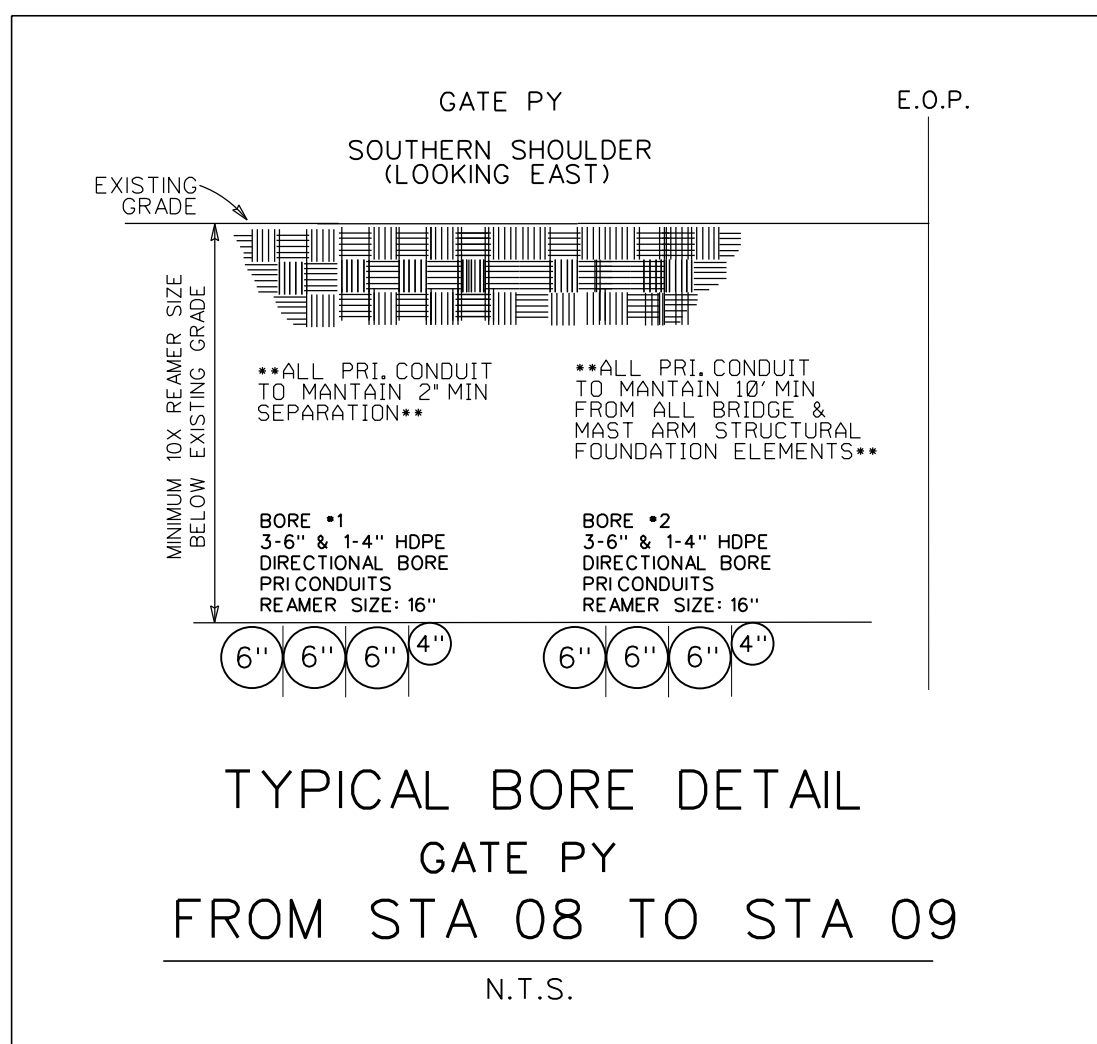
UNDERGROUND LEGEND


- PROPOSED PHASE PADMOUNTED TRANSFORMER
- SINGLE PHASE PADMOUNTED TRANSFORMER
- PROPOSED THREE PHASE PADMOUNTED TRANSFORMER
- THREE PHASE PADMOUNTED TRANSFORMER
- TWO PHASE PADMOUNTED TRANSFORMER - OPEN DELTA
- "F" FUSE CABINET PROPOSED
- "S" SWITCH CABINET PROPOSED
- "FF" OR "SF" FAULT FILTER CABINET PROPOSED
- "F" FUSE CABINET
- "S" SWITCH CABINET
- "FF" OR "SF" FAULT FILTER CABINET
- LIGHTNING ARRESTER CABINET
- UNDERGROUND RISER, SECONDARY OR PRIMARY
- FUSE - SIZE AND TYPE AS INDICATED
- NEW PRIMARY CONDUIT AS INDICATED
- EXISTING DIRECT BURIED PRIMARY
- EXISTING PRIMARY CONDUIT
- NEW SECONDARY CONDUIT AS INDICATED
- EXISTING SECONDARY CONDUIT
- STREET LIGHT
- AREA LIGHT
- EQUIPMENT ADDRESS
- STATION NUMBER
- EXISTING CONCRETE CABLE RISER POLE
- EXISTING WOOD CABLE RISER POLE
- SECONDARY HAND HOLE OR PULL BOX
- SECONDARY SERVICE PESTAL
- NORMALLY OPEN POINT
- NEW ELECTRONIC MARKER
- EXISTING ELECTRONIC MARKER
- PVC MANHOLE
- 4' x 6' CONCRETE MANHOLE
- 6' x 12' CONCRETE MANHOLE

NOTE: SYMBOLS IN RED ARE PROPOSED AND ALL OTHERS ARE EXISTING

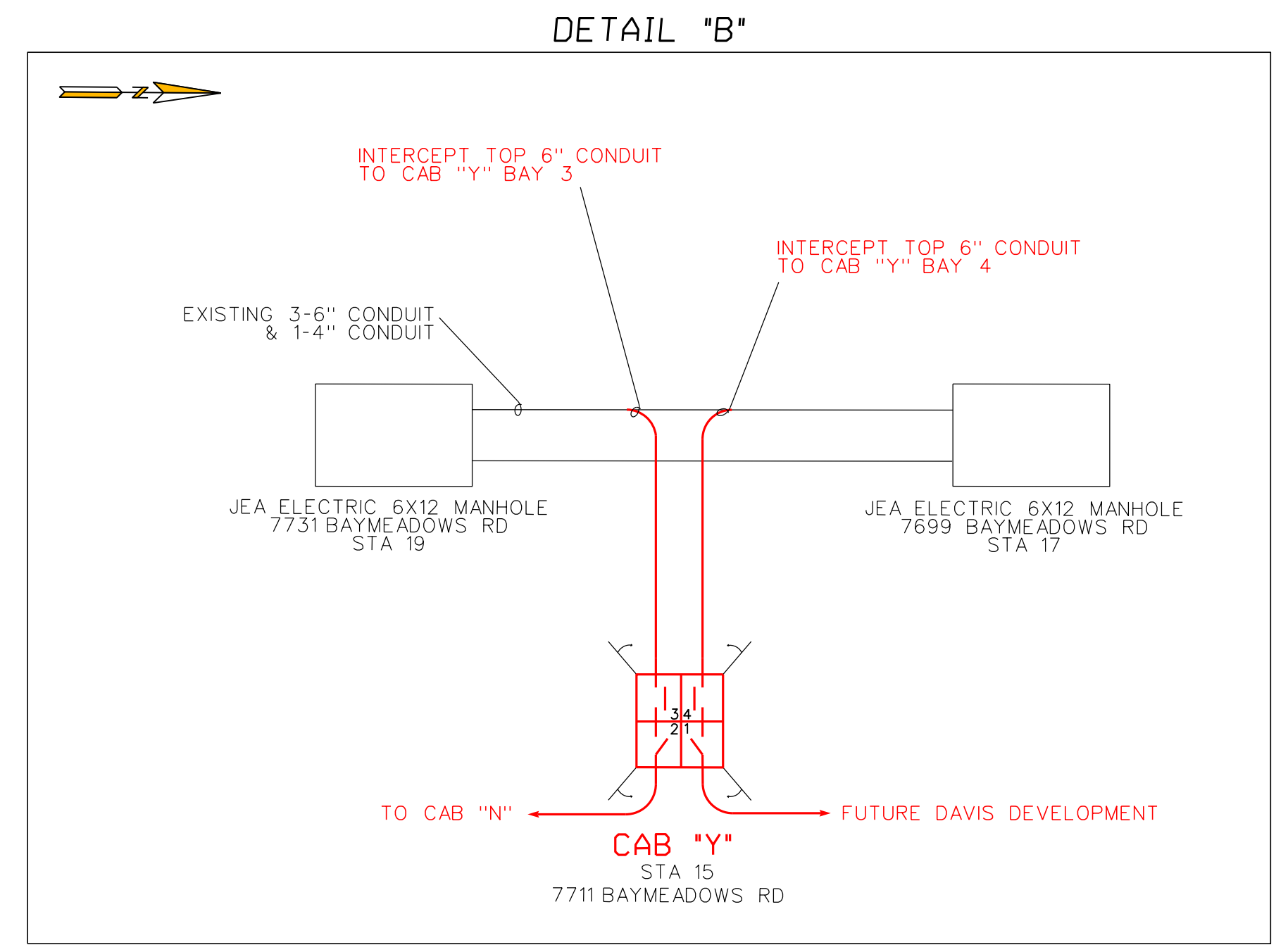
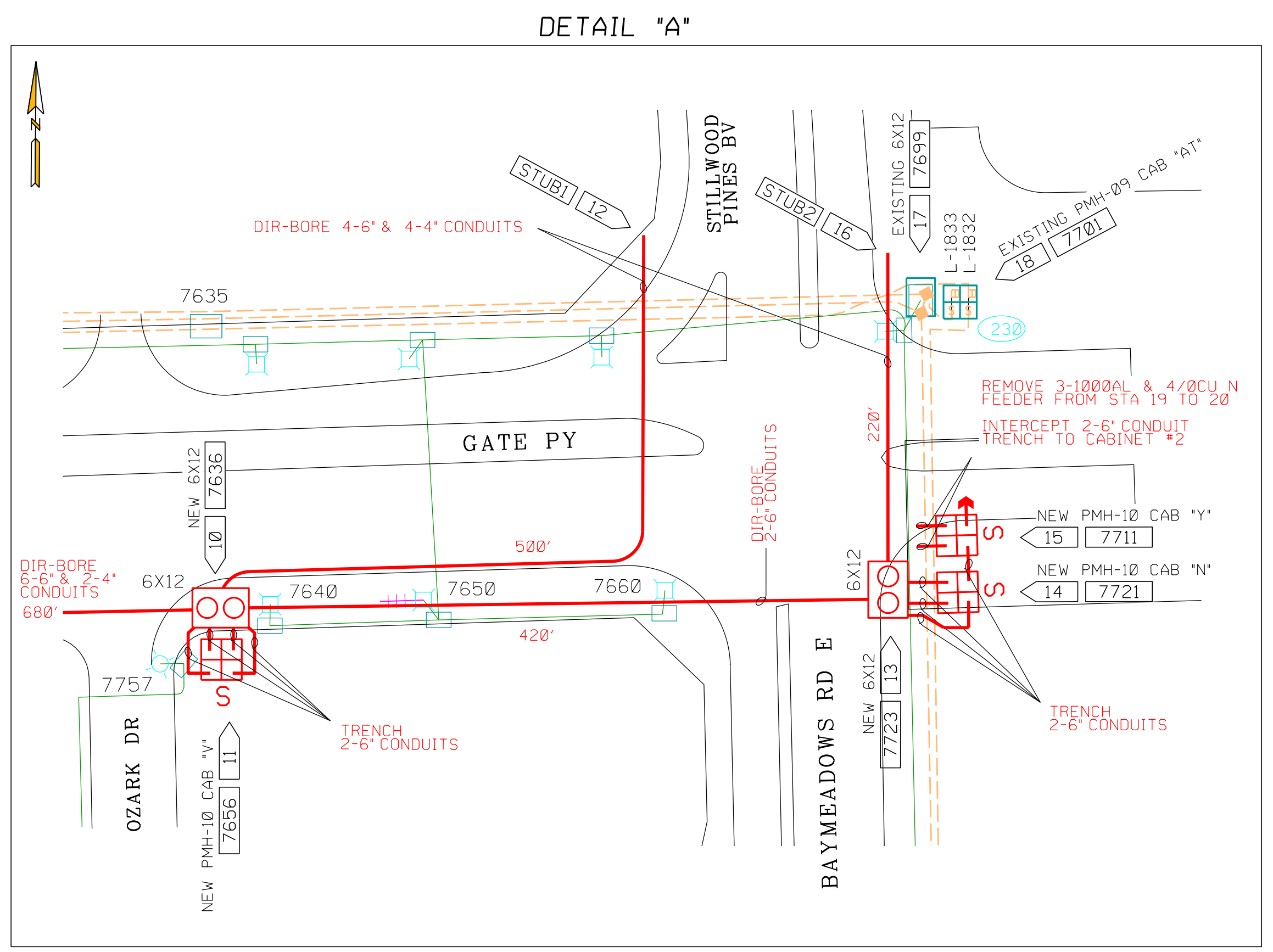
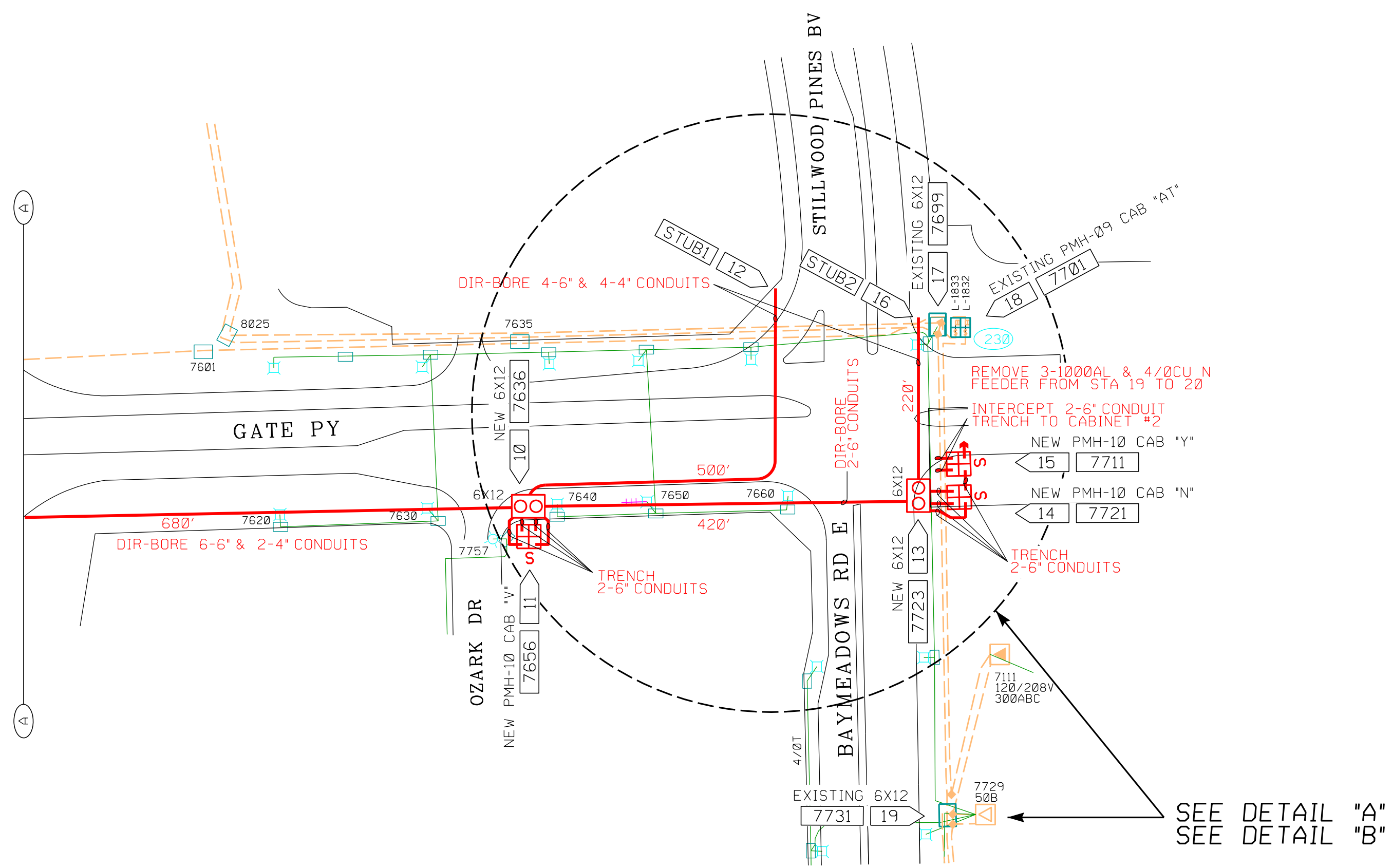
POINT MEADOWS T2 ADDITION PROJECT NUMBERS:  
WO#31640768 - CONDUIT WORK  
WO#31641833 - FEEDER CABLE WORK

PROJECT SWITCH & CIRCUIT MAPS:  
055  
055.1  
055.2  
deerwoodparkse-2\_c.l  
deerwoodparkse-3\_c.l  
pointmeadowsdnorth\_c.l



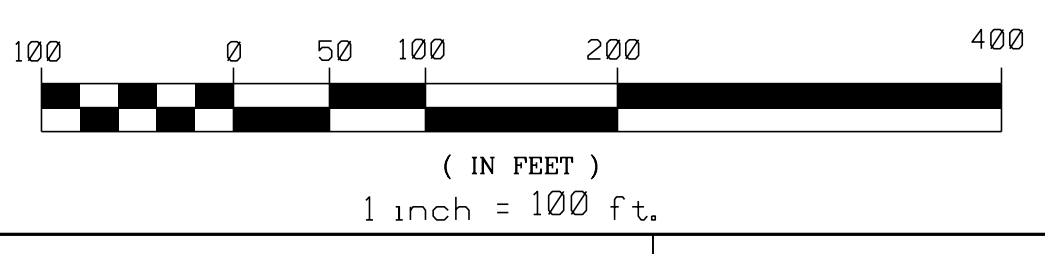
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SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____  PHONE NO. _____			BY	DATE		OPN : 8010121		
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.						CKT'S 233, 234, & 235		
SWITCH MAP NUMBER/S 55		CELL : (904) 625-5307		AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____		CHECKED : CM		MS		CONSTRUCTION DRAWING		
PRIMARY VOLTAGE 26.4kV		EMAIL : MEADCH@jea.com		JEA CONTRACT ADMIN: _____		APPROVED : _____				SHEET NO.		
		EMAIL : MCMAJB2@jea.com								1 OF 6		




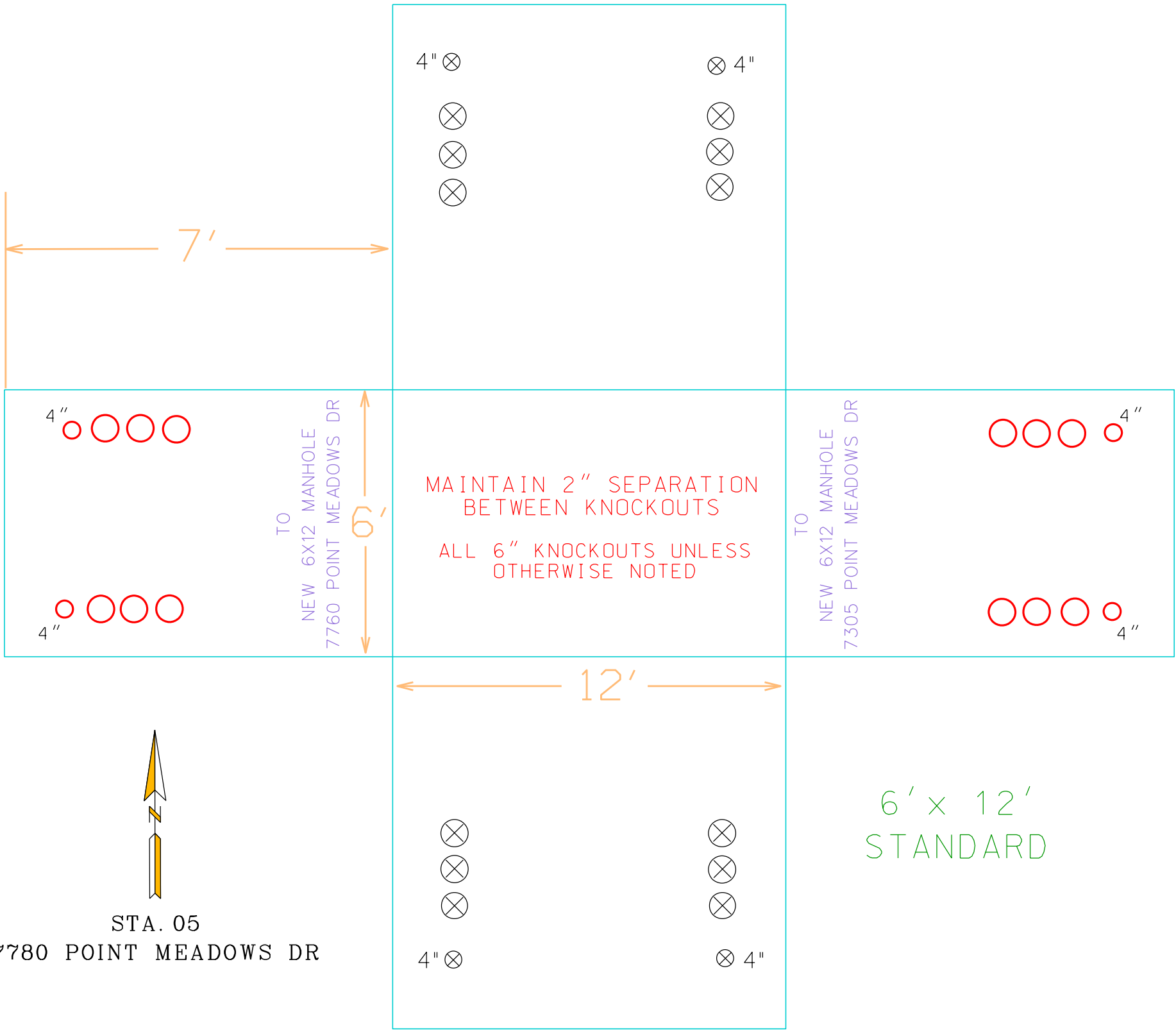
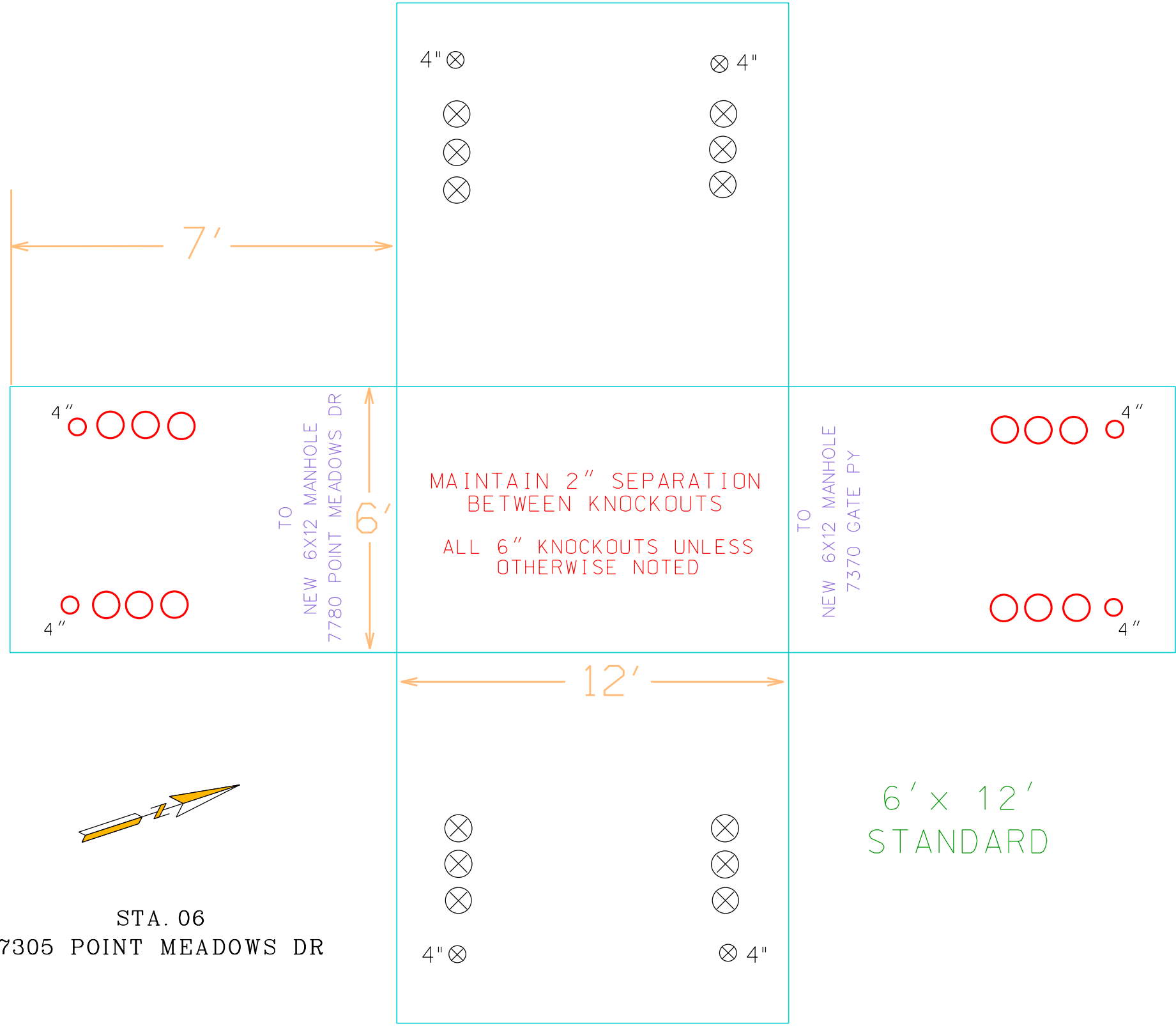
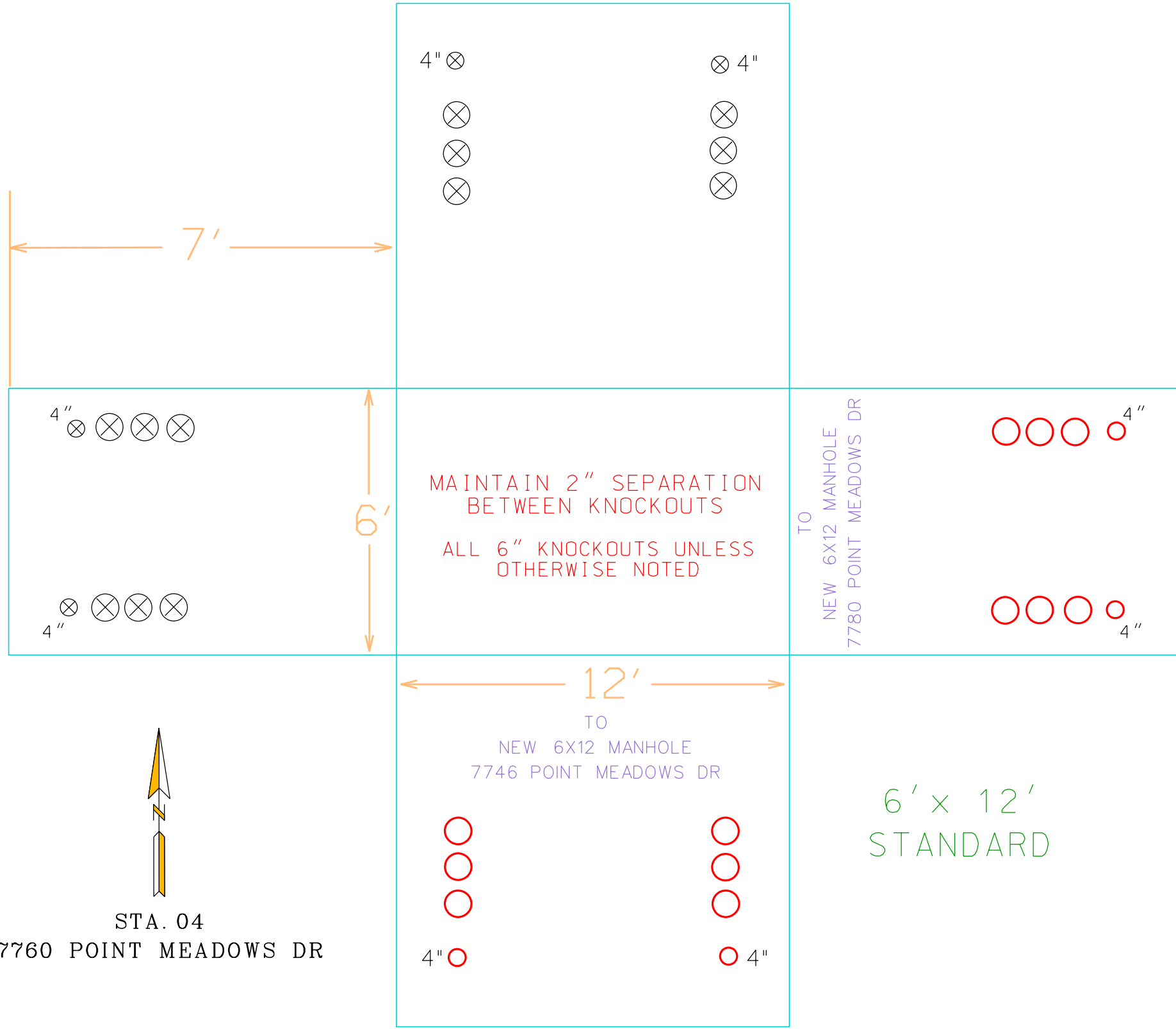
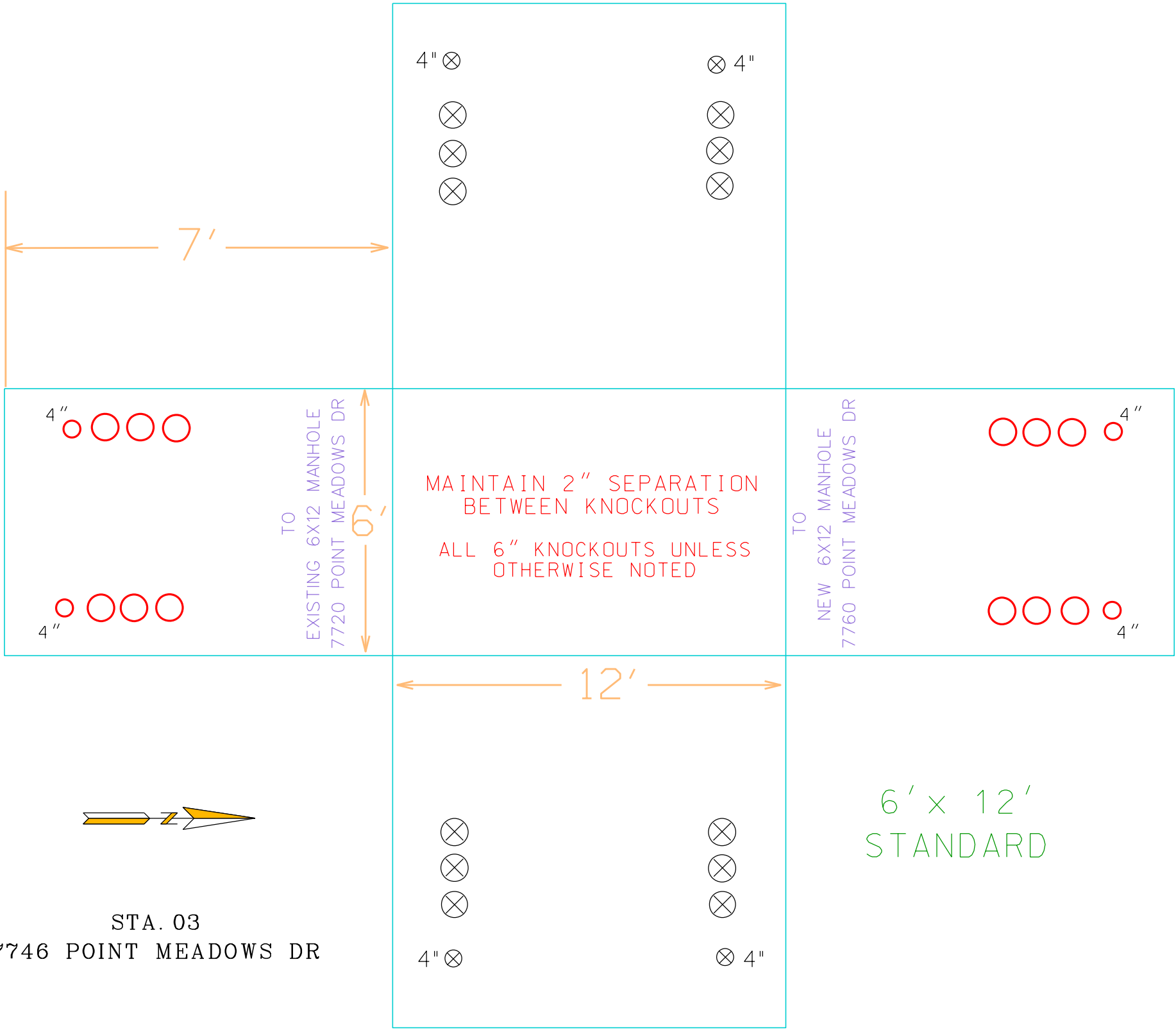
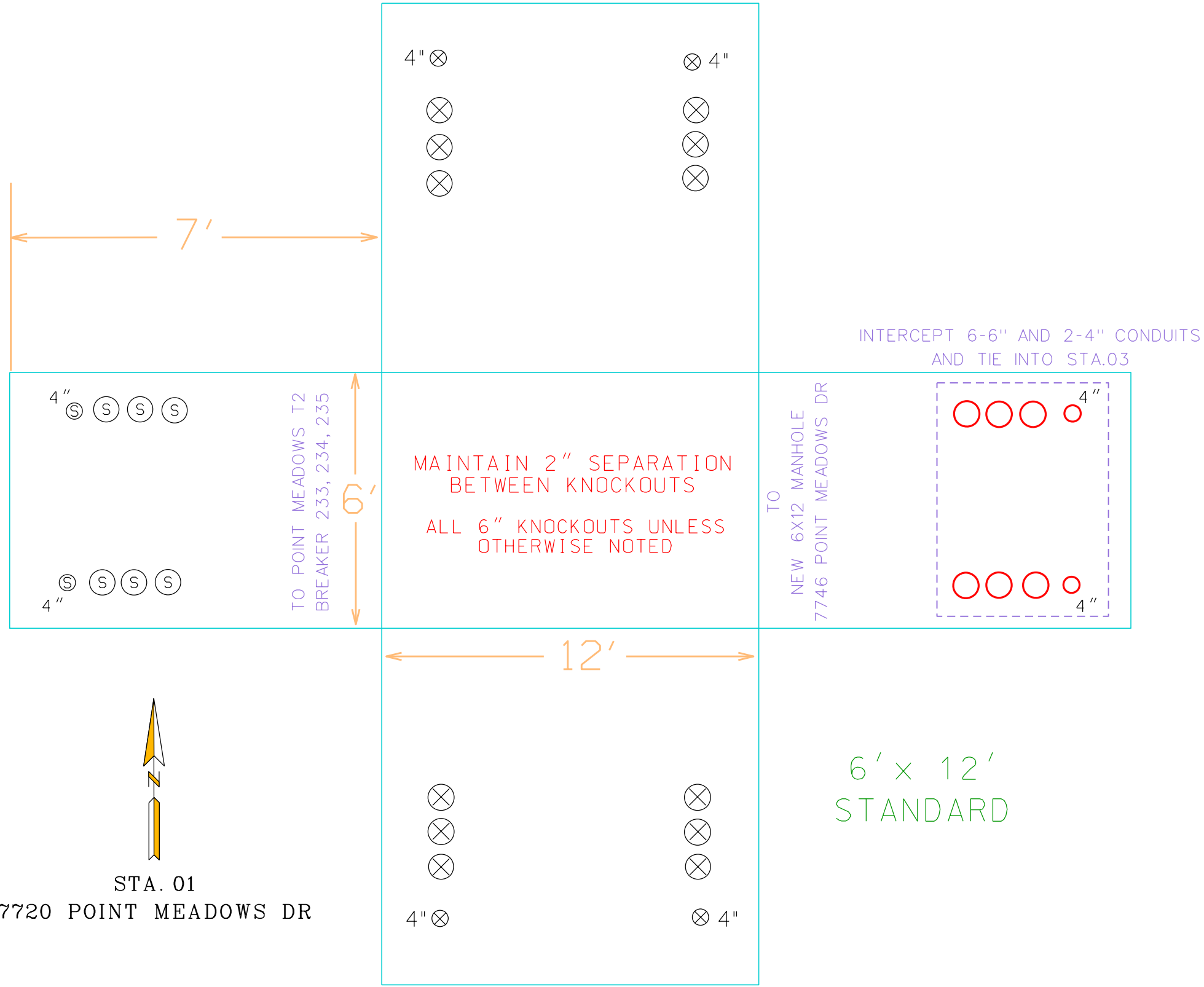


POINT MEADOWS T2 ADDITION PROJECT NUMBERS:  
WO#31640768 - CONDUIT WORK  
WO#31641833 - FEEDER CABLE WORK

PROJECT SWITCH & CIRCUIT MAPS:  
055  
055.1  
055.2  
deerwoodparkse-2\_c.l  
deerwoodparkse-3\_c.l  
pointmeadowsdnorth\_c.l




SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><p><b>JEA</b> BUILDING COMMUNITY</p><p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p></div>	POINT MEADOWS 230-26kV T2 ADDITION		DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____  PHONE NO. _____		BY DATE				OPN : 8010121	MWO : 31640768		
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668 CELL : (904) 625-5307		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.		DESIGNED : JBM 10/16/25				CKT'S 233, 234, & 235 CONSTRUCTION DRAWING			
SWITCH MAP NUMBER/S 55		EMAIL : MEADCH@jea.com		AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____		CHECKED : CM							
PRIMARY VOLTAGE 26.4kV		EMAIL : MCMAJB2@jea.com		JEA CONTRACT ADMIN: _____		APPROVED : MS							
						APPROVED FOR CONSTRUCTION							SHEET NO. 2 OF 6

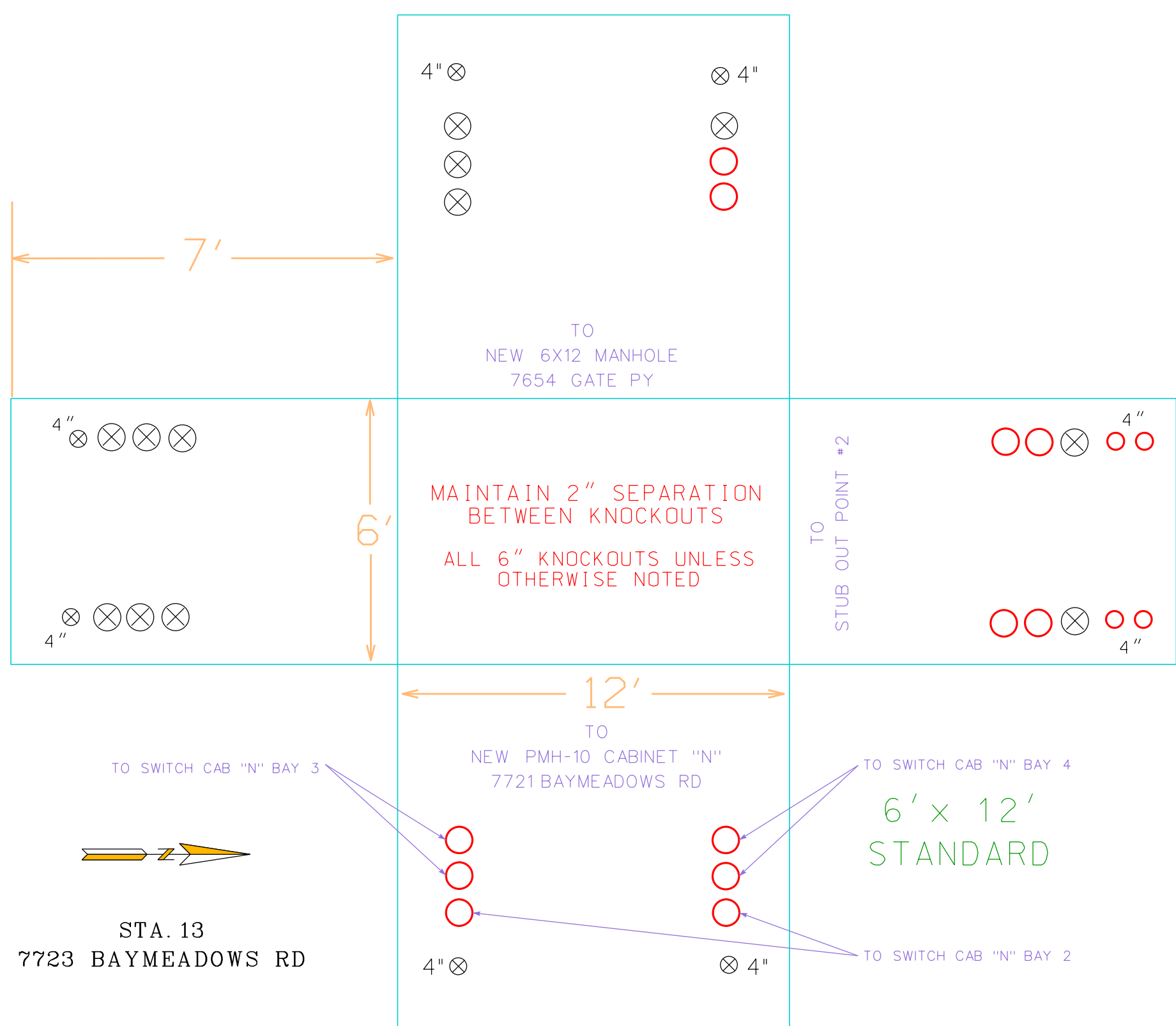
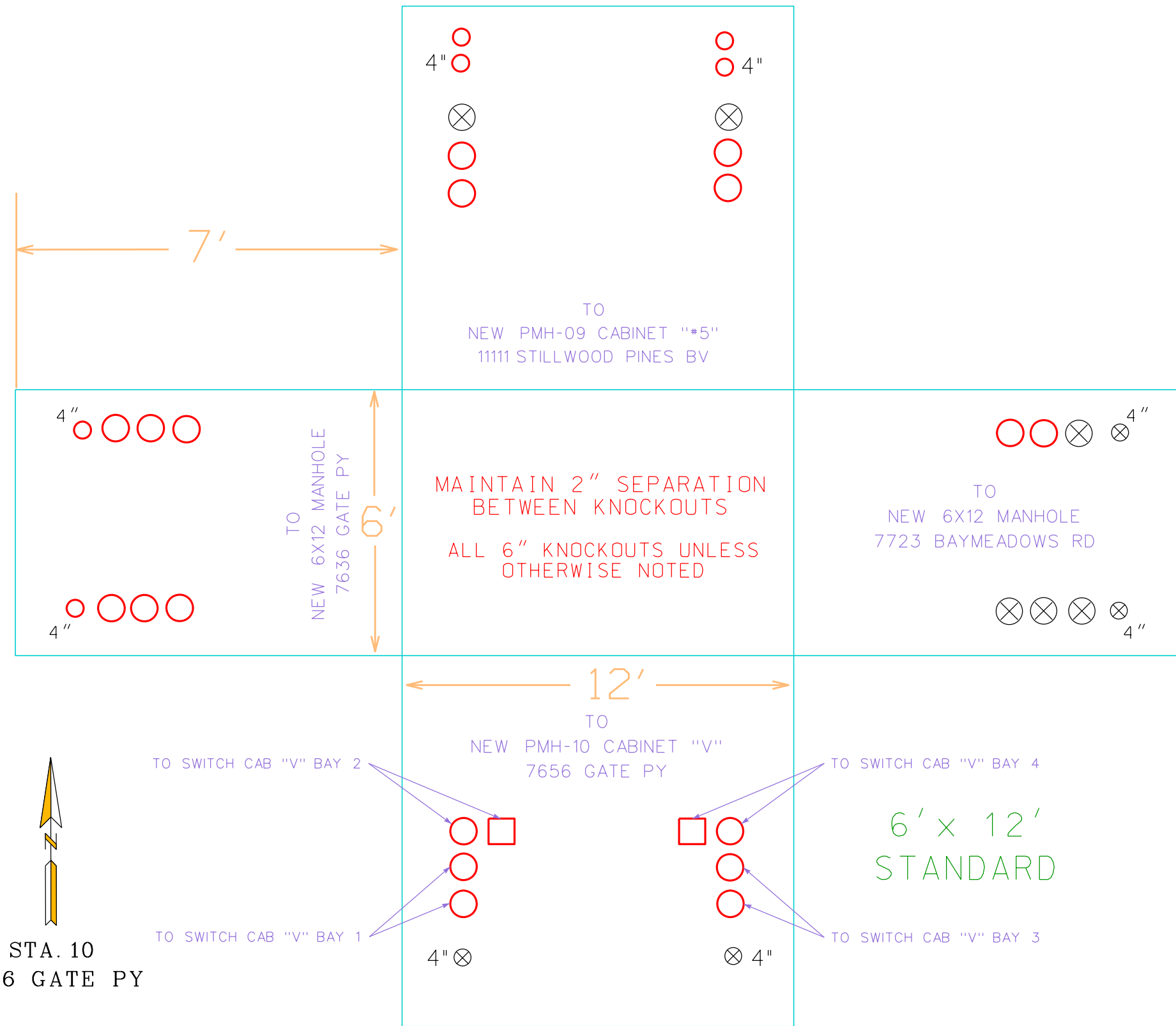
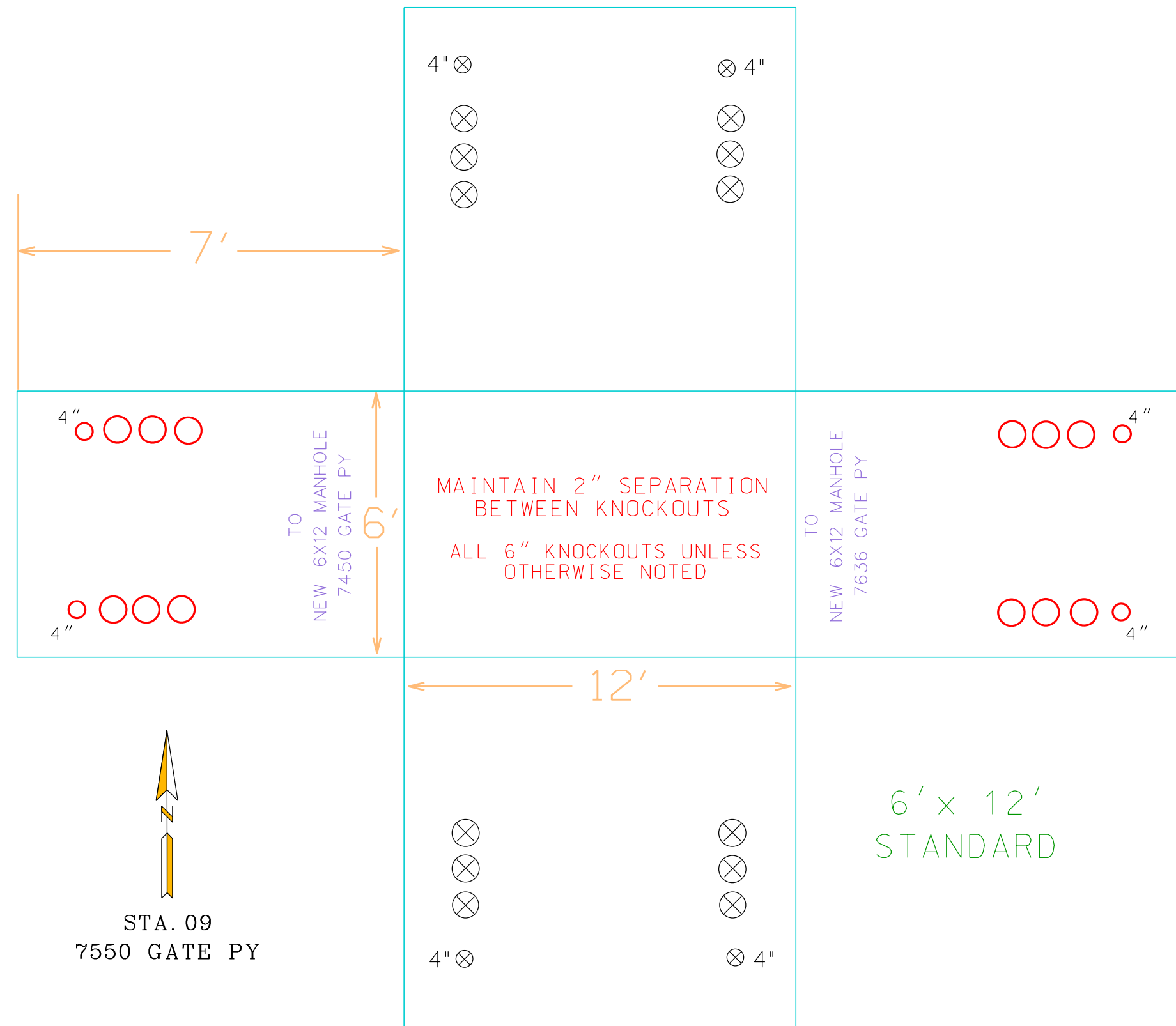
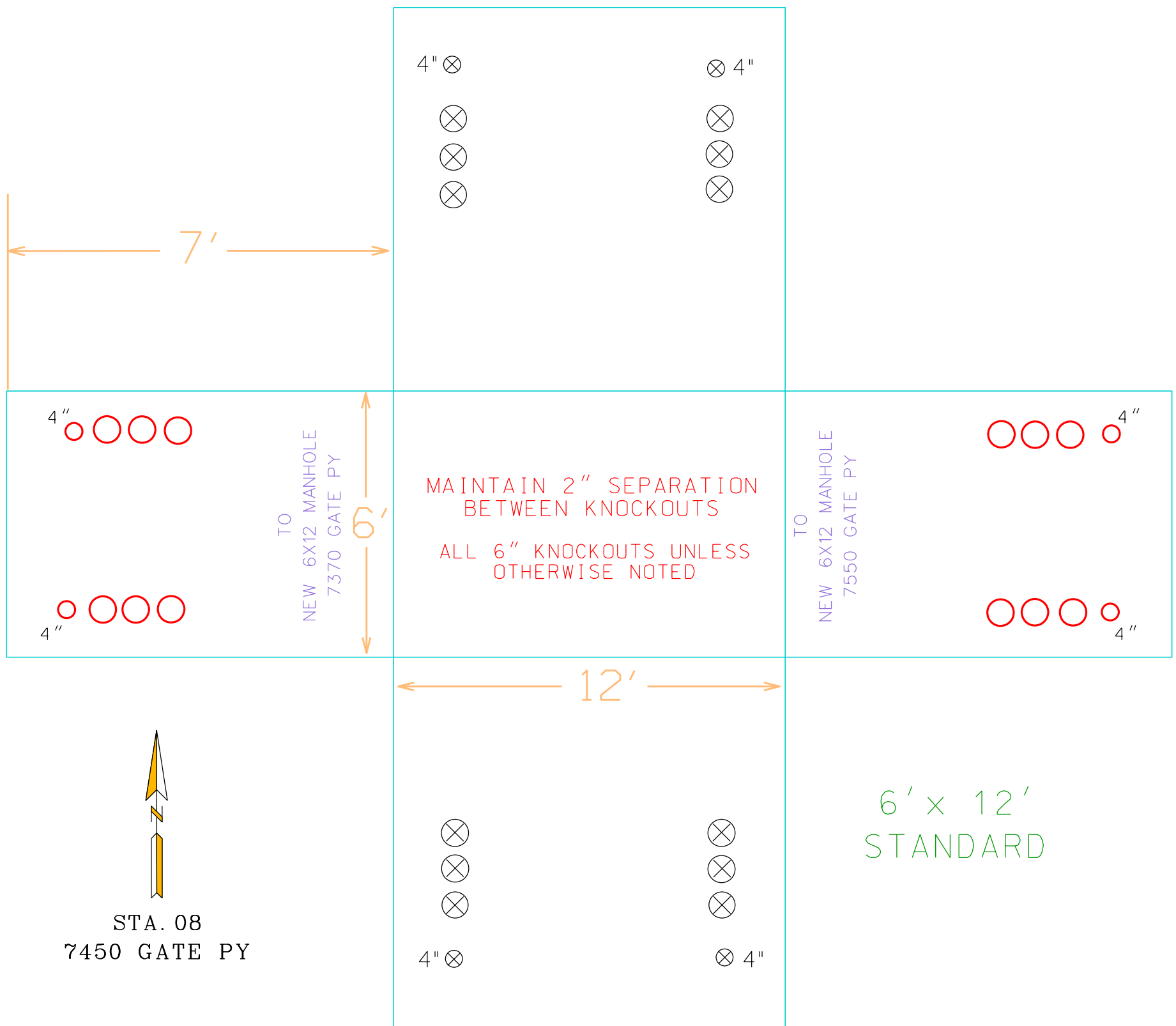
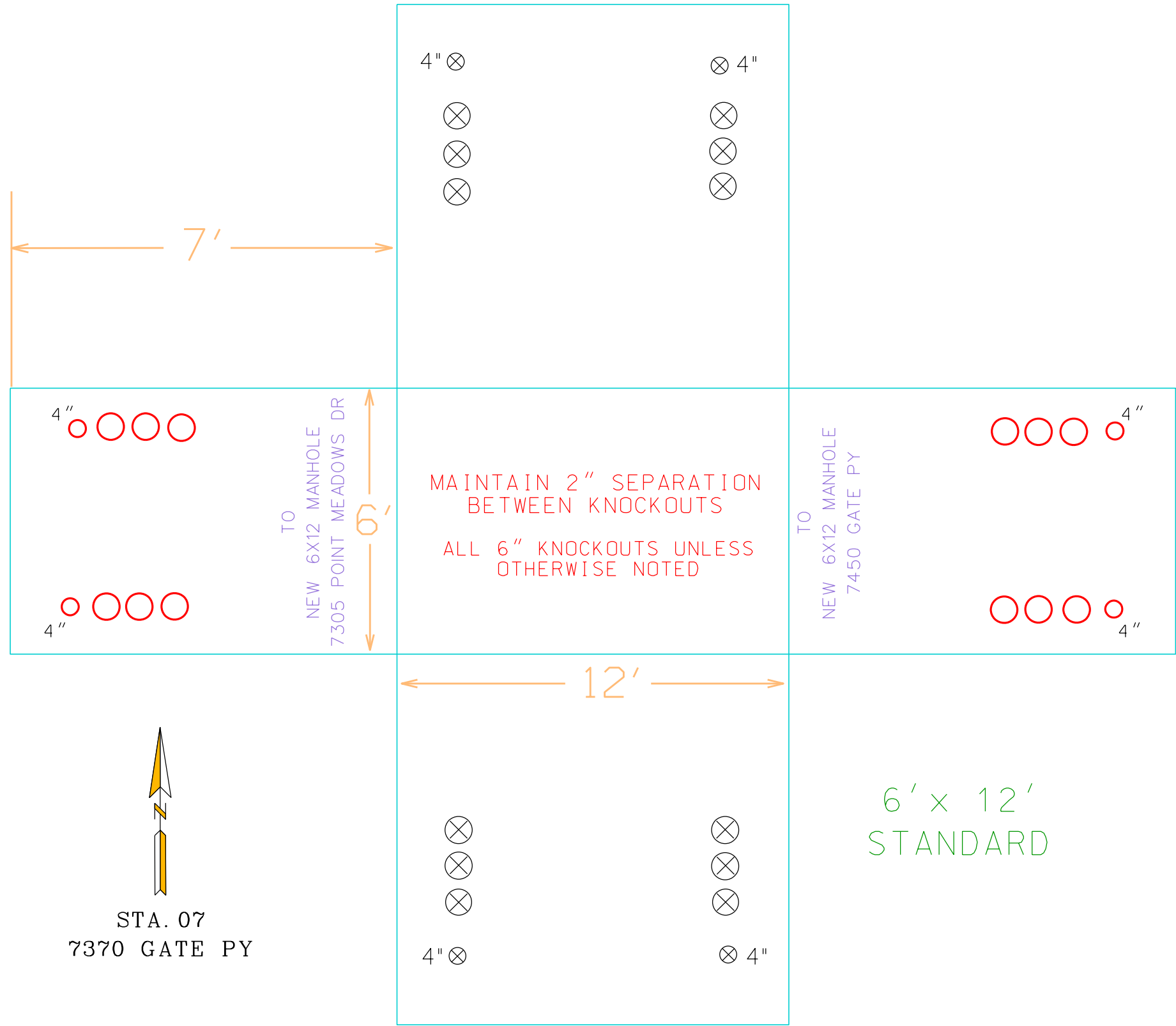


Manhole Detail Legend

- ⊗ EXISTING KNOCK OUT
- Ⓢ EXISTING SPARE CONDUIT
- INSTALL NEW CONDUIT
- INSTALL NEW CONDUIT BY CORE BORE
- Ⓢ EXISTING CONDUIT WITH FEEDER
- Ⓟ EXISTING CONDUIT WITH 3 PH 1/0
- Ⓢ EXISTING CONDUIT WITH SECONDARY


SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><div></div><div><small>BUILDING COMMUNITY</small></div><div>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</div></div>	POINT MEADOWS 230-26kV T2 ADDITION		DRAWING NO. : ufp0336	
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PRIMARY VOLTAGE 26.4kV		EMAIL : MEADCH@jea.com				APPROVED :		APPROVED FOR CONSTRUCTION :			3 OF 6		
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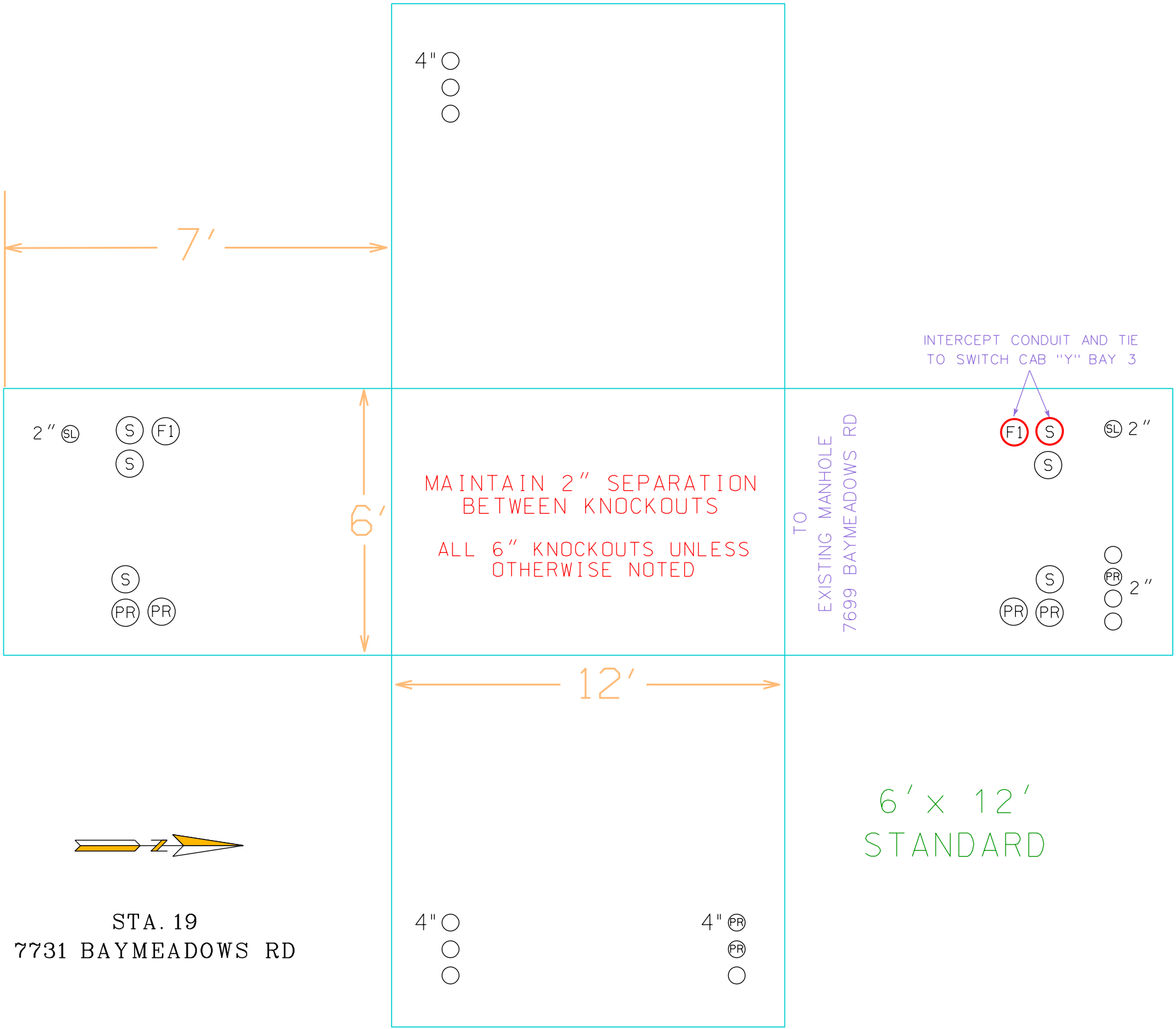
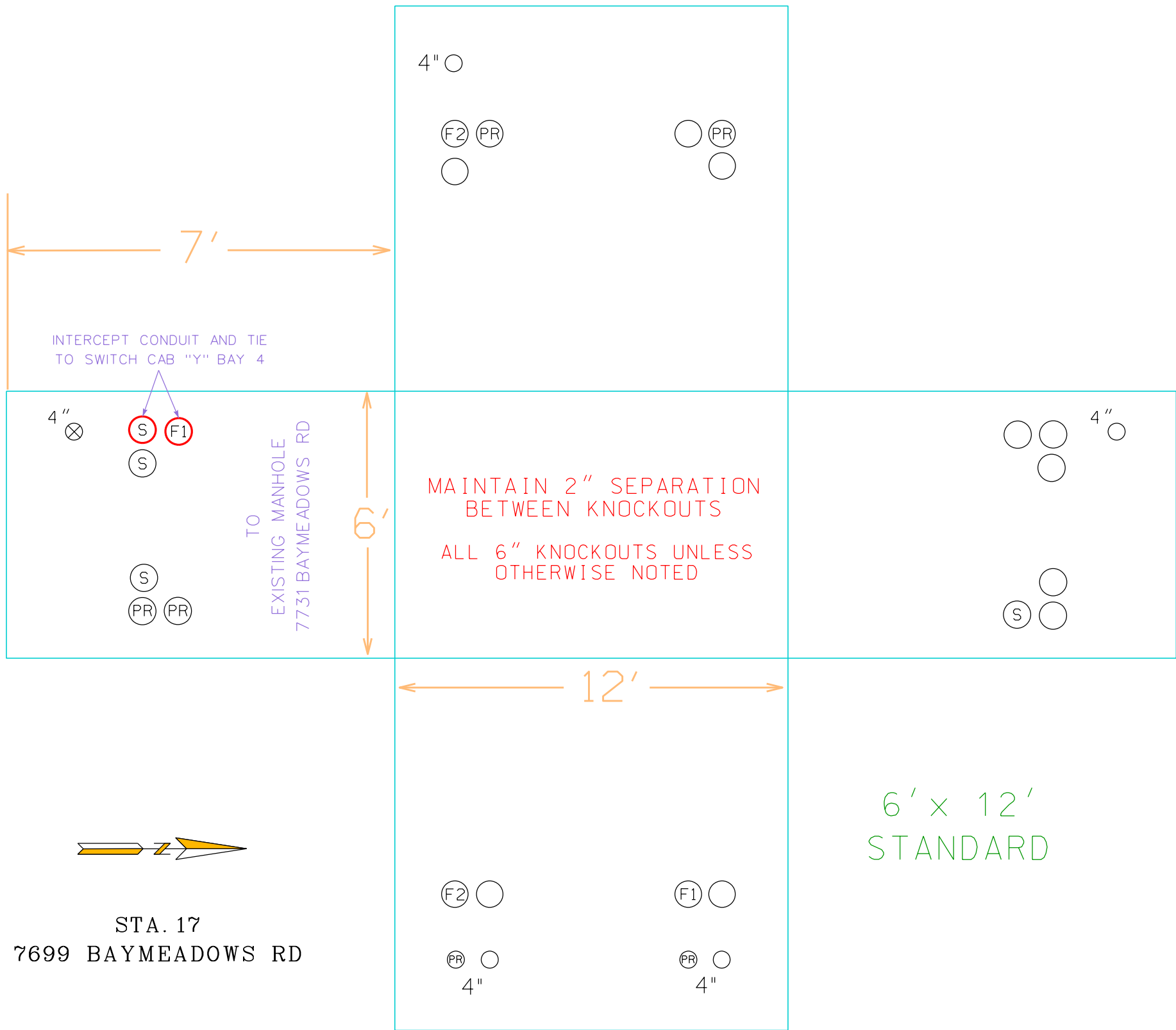




Manhole Detail Legend


- ⊗ EXISTING KNOCK OUT
- Ⓢ EXISTING SPARE CONDUIT
- INSTALL NEW CONDUIT
- INSTALL NEW CONDUIT BY CORE BORE
- Ⓢ EXISTING CONDUIT WITH FEEDER
- Ⓟ EXISTING CONDUIT WITH 3 PH 1/0
- Ⓢ EXISTING CONDUIT WITH SECONDARY

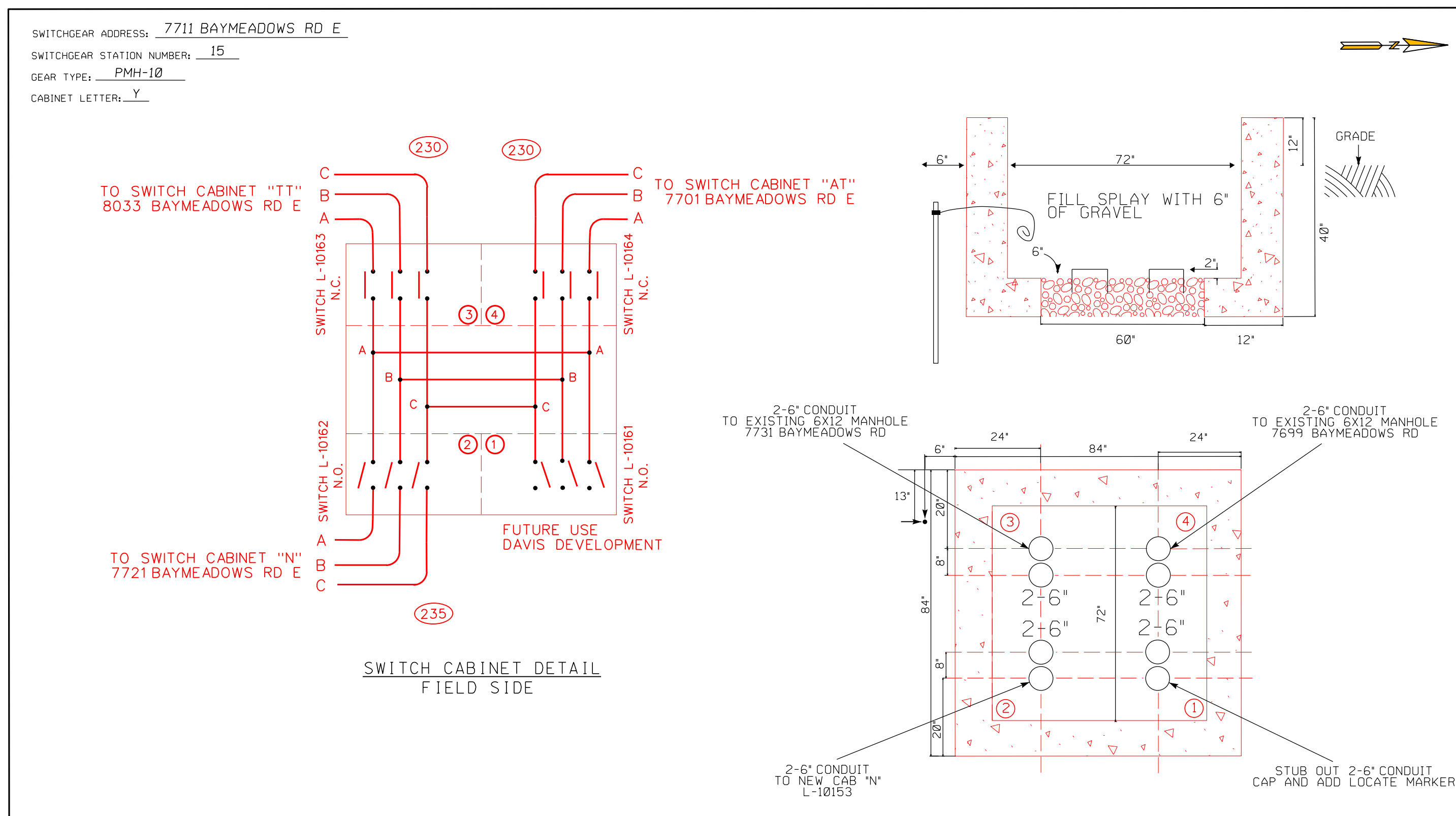
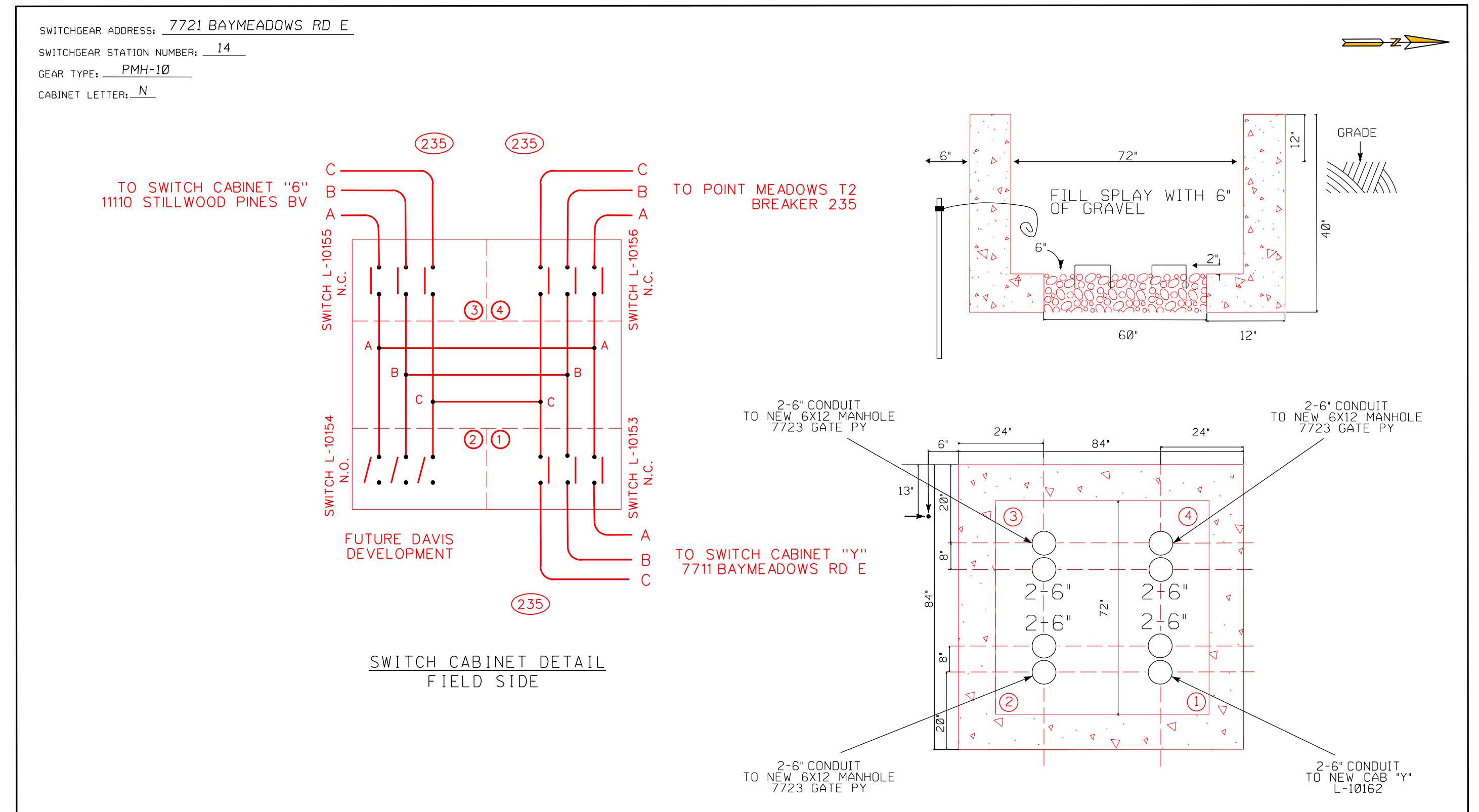
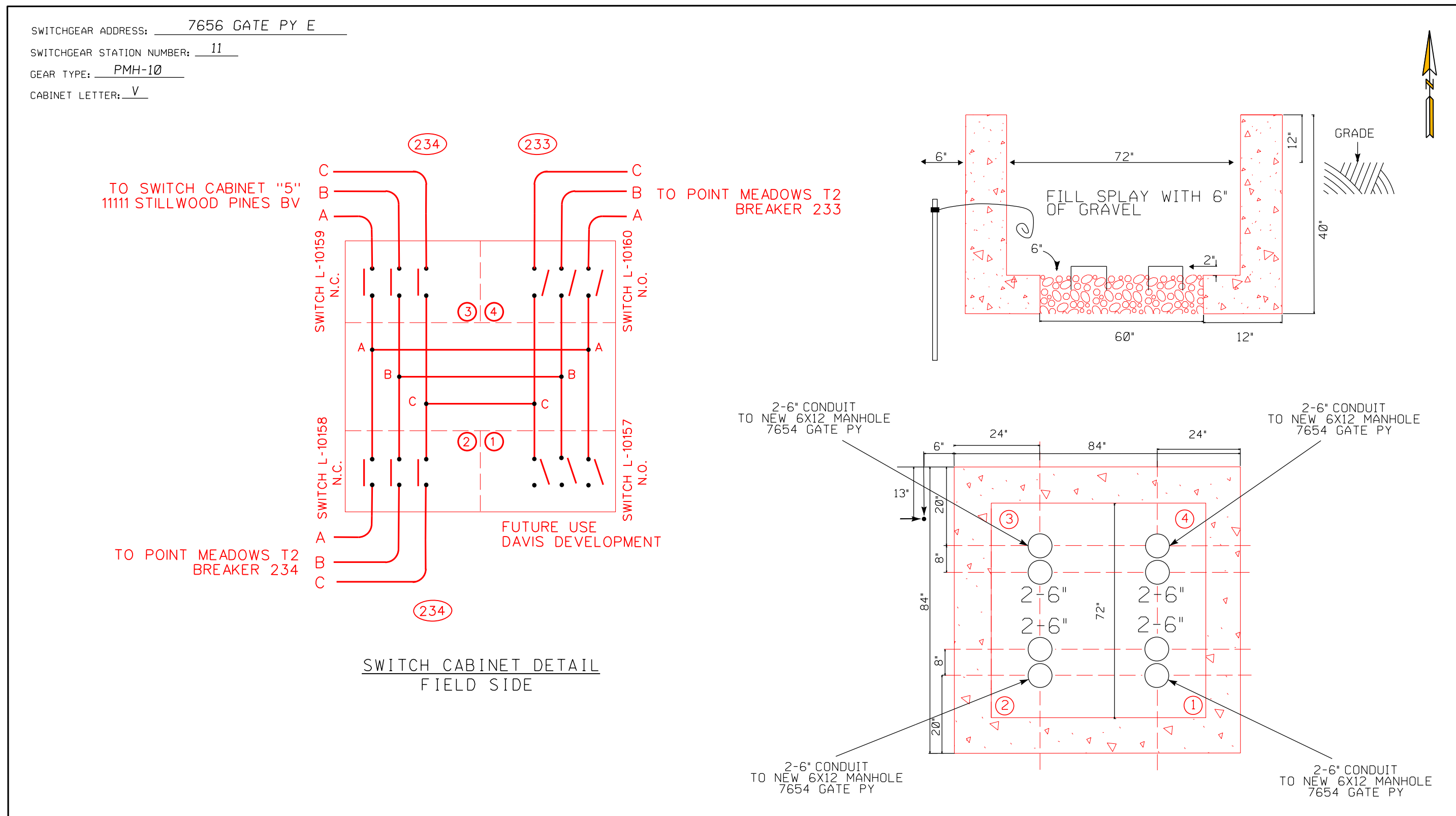
SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><p><b>JEA</b> <i>BUILDING COMMUNITY</i></p><p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p></div>	POINT MEADOWS 230-26kV T2 ADDITION			DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____  PHONE NO. _____ <small>I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.</small>  AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____  JEA CONTRACT ADMIN: _____				BY JBM		DATE 10/16/25	OPN : 8010121			
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668									MWO : 31640768			
CELL : (904) 625-5307											SHEET NO.			
SWITCH MAP NUMBER/S 55		EMAIL : MEADCH@jea.com									4 OF 6			
PRIMARY VOLTAGE 26.4kV		EMAIL : MCMAJB2@jea.com												



Manhole Detail Legend

- ⊗ EXISTING KNOCK OUT
- Ⓢ EXISTING SPARE CONDUIT
- INSTALL NEW CONDUIT
- INSTALL NEW CONDUIT BY CORE BORE
- ⓕ EXISTING CONDUIT WITH FEEDER
- Ⓟ EXISTING CONDUIT WITH 3 PH 1/0
- ⓈⓈ EXISTING CONDUIT WITH SECONDARY

SUBSTATION/CIRCUIT		ENGINEER / PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><p><b>JEA</b> <i>BUILDING COMMUNITY</i></p><p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p></div>	POINT MEADOWS 230-26kV T2 ADDITION		DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD  PHONE : (904) 485-6668 CELL : (904) 625-5307 EMAIL : MEADCH@jea.com EMAIL : MCMAJB2@jea.com		DATE _____ COMPANY NAME _____ ADDRESS _____  PHONE NO. _____  <small>I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.</small> AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____ JEA CONTRACT ADMIN: _____		BY _____ DATE _____		OPN : 8010121					
CIRCUIT NUMBER/S 233, 234, 235				<small>I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.</small> AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____ JEA CONTRACT ADMIN: _____		DESIGNED : JBM 10/16/25		MWO : 31640768					
SWITCH MAP NUMBER/S 55						CHECKED : CM		SHEET NO. 5 OF 6					
PRIMARY VOLTAGE 26.4kV						APPROVED FOR CONSTRUCTION : MS							
CKT'S 233, 234, & 235 MANHOLE DETAILS													




SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD		 <p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p>		DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____		BY _____ DATE _____				OPN : 8010121	
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668		PHONE NO. _____		DESIGNED : JBM 10/16/25				MWO : 31640768	
SWITCH MAP NUMBER/S 55		CELL : (904) 625-5307		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.		CHECKED : CM				SHEET NO.	
PRIMARY VOLTAGE 26.4kV		EMAIL : MEADCH@jea.com		AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____ JEA CONTRACT ADMIN: _____		APPROVED : MS				6 OF 6	
		EMAIL : MCMAJB2@jea.com				APPROVED FOR _____ CONSTRUCTION _____					

Exhibit C – Materials Furnished by Owner



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

### Material Summary

Item Quantity	Item Number	Item Description
12	CLAGR001	CLAMP, GROUND ROD, 5/8" - 4SOL "HAMMERLOCK"
24	CNNGR002	COUPLING, GROUND ROD, "THREADLESS" REMARKS: FOR THREADLESS GROUND RODS
18	CNNVG003	CONNECTOR, 6-2 SOL/10-2 SOL, VISE GRIP PARALLEL, BRONZE
390	COBCO028	CONDUCTOR, #4 SOLID, SOFT DRAWN, BARE COPPER, 200', 25#, ON PLASTIC REEL, 4" X 11.5" W/ 2" HOLE
48	CODCO005	COUPLING, CONDUIT, PVC, 4", SCH-40
46	CODCO033	COUPLING, CONDUIT, SCH-40 PVC, REPAIR, 4" SLIP TYPE
110	CODCO034	COUPLING, CONDUIT, SCH-40 PVC, REPAIR, 6" SLIP TYPE
4	CODEP005	ELBOW, PVC, CONDUIT, 4", 45-DEGREE 36" SWEEP-RADIUS, SCH-40, WITH INTEGRAL BELLED END.
24	CODEP009	ELBOW, PVC, CONDUIT, 6", 90-DEGREE 48" SWEEP-RADIUS, SCH-40, WITH INTEGRAL BELLED END
12	CODEP010	ELBOW, PVC, CONDUIT, 6", 45-DEGREE, 48" SWEEP-RADIUS, SCH-40, WITH INTEGRAL BELLED END
18	CODEP024	ELBOW, 1" PVC 90-DEGREE, 18" RADIUS SCH-40
350	CODPC003	CONDUIT, PVC, 4", SCH-40, W/COUPLING ATTACHED OR ONE BELLED END, 20' SECTIONS END WITHOUT COUPLING MUST BE CHAMFERED 40-DEGREES SHIPPED ON OPEN FLAT BED TRUCK - STANDARD PALLET SIZE 1140 FT
1610	CODPC005	CONDUIT, PVC, 6", SCH-40, W/COUPLING ATTACHED OR ONE BELLED END, 20' SECTIONS END WITHOUT COUPLING MUST BE CHAMFERED 40-DEGREES SHIPPED ON OPEN FLAT BED TRUCK
36	CODPC016	CONDUIT, PVC, 1" SCHEDULE-40, 10' LONG PACKAGED 10-UNITS PER BUNDLE
11230	CODPE004	CONDUIT, COILABLE, 4-INCH POLYETHYLENE, GRAY SDR 13.5 POWER CONDUIT, SMOOTH WALL VIRGIN HDPE. TYPE III, CLASS C, CATEGORY 3, UV PROTECTED, GRADE P34 POLY, 750 FT REEL (SHIP TO 11201 NEW BERLIN RD, JAX, 32226 - OPEN FLATBED TRUCK)
28490	CODPE006	CONDUIT, COILABLE, 6-INCH POLYETHYLENE GRAY SDR 13.5 POWER CONDUIT, SMOOTH WALL FROM VIRGIN HDPE. TYPE III, CLASS C, CATEGORY 3, UV PROTECTED, GRADE P34 POLY, 450 FT REEL (SHIP TO 11201 NEW BERLIN RD, JAX, 32226 - OPEN FLATBED TRUCK)
36	CODPL003	PLUG, CONDUIT, PVC, 4" ID, TYPE EB
142	CODPL004	PLUG, CONDUIT, PVC, 6" ID, TYPE EB
18	CODPL005	PLUG, PVC CONDUIT, 1" I.D., CAP-TYPE
9	MANHO002	MANHOLE, 12' X 6' X 7' RECTANGULAR PRECAST CONCRETE, REINFORCED FOR HS-20 BRIDGE LOAD. TO INCLUDE 2 EA MANHOLE FRAMES, 2 EA COVERS AND 2 EA 15" EXT RINGS. WT OF MANHOLE IS 30000 LB. REQUIRES A CURRENT NPCA CERTIFICATION FOR THE LAST 5 YR
9	MARCC001	MARKER, CONDUIT/CABLE 2' X 36" PVC WITH CAP, FLARED END OR BASE .
1	MAREL002	MARKER, BALL, ELECTRONIC SIX FOOT RANGE, RED PASSIVE- TUNED COIL ANTENNA ENCASED IN A WATERPROOF DURABLE



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

By: MEADCH

MWO#/Task:

Required Date:

Oracle Project #:

Estimated On: 11/04/2025

---

### POLYETHYLENE SHELL

---

3 PITME001

PIT, MOUNTING 3-PHASE SWITCHING EQUIPMENT (INSIDE 72" X 72" & OUTSIDE 84" X 84") SEE SPECIFICATIONS & DMD-76 (WEIGHT 8600 LBS. EACH). REQUIRES A CURRENT NPCA CERTIFICATION FOR THE LAST 5 YEARS.

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36 RODGR003

ROD, GROUND, THREADLESS, 5/8" X 8', SHIP ON OPEN FLATBED ONLY!

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18 WASRD001

WASHER, ROUND, 1/2" BOLT SIZE, BRONZE - TIN PLATED, 1-1/4" OD

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Exhibit D – CU Station Details





## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

### CU Detail

Station: 02		CONDUIT INTERCEPTION		INTERCEPT 2-4" & 6-6" CONDUIT	
-------------	--	----------------------	--	-------------------------------	--

Build		Transfer		Remain in Place		Remove	
I.CODCO005	2						
I.CODCO007	6						
I.CODCO033	2						
I.CODCO034	6						
UC*4	120						
UC*6	360						
UCL4*4	4						
UCL4*6	12						
UCT36*U	70						

Station: 03		7746 POINT MEADOWS DR		NEW 6X12 MANHOLE	
-------------	--	-----------------------	--	------------------	--

Build		Transfer		Remain in Place		Remove	
DIR-BORE*2-4	375						
DIR-BORE*2-6	1125						
G2P	1						
G2P-C	1						
G3P	1						
I.CODCO005	4						
I.CODCO007	12						
I.CODCO033	2						
I.CODCO034	6						
I.CODPE004	790						
I.CODPE006	2370						
PLUG-DUCT4	4						
PLUG-DUCT6	12						
SET-6X12*D	1						
UC*4	20						
UC*6	60						
UCT36*U	10						

Station: 04		7760 POINT MEADOWS DR		NEW 6X12 MANHOLE	
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Build		Transfer		Remain in Place		Remove	
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## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

DIR-BORE*2-4	360					
DIR-BORE*2-6	1080					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	760					
I.CODPE006	2280					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					
UCT36*U	10					

Station: 05

7780 POINT  
MEADOWS DR

NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	420					
DIR-BORE*2-6	1260					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	880					
I.CODPE006	2640					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					
UCT36*U	10					



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

Station: 06

7305 POINT  
MEADOWS DR

NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	860					
DIR-BORE*2-6	2580					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	1760					
I.CODPE006	5280					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					
UCT36*U	10					

Station: 07

7370 GATE PY

NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	860					
DIR-BORE*2-6	2580					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	1760					
I.CODPE006	5280					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

UCT36\*U

10

Station: 08

7450 GATE PY NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	400					
DIR-BORE*2-6	1200					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	840					
I.CODPE006	2520					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					
UCT36*U	10					

Station: 09

7550 GATE PY NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	680					
DIR-BORE*2-6	2040					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	12					
I.CODPE004	1400					
I.CODPE006	4200					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

UC*6	60					
UCT36*U	10					

**Station: 10**

7636 GATE PY NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	1000					
DIR-BORE*2-6	420					
DIR-BORE*2-6	1000					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	6					
I.CODCO007	20					
I.CODCO033	6					
I.CODCO034	12					
I.CODPE004	2080					
I.CODPE006	880					
I.CODPE006	2080					
PLUG-DUCT4	4					
PLUG-DUCT6	20					
SET-6X12*D	1					
UC*4	30					
UC*6	100					
UCT36*U	20					

**Station: 11**7656 GATE PY NEW PMH-10 DEAD-FRONT  
CABINET "V"

Build		Transfer		Remain in Place		Remove
G1P	1					
I.CODCO007	16					
PLUG-DUCT6	8					
UC*6	240					
UCL9*6	8					
UCT36*U	30					
UPD11	1					

**Station: 12**

STUB OUT POINT #1 COUPLE INTO 4-6" &amp; 4-4" CONDUIT

Build		Transfer		Remain in Place		Remove
I.CODCO005	4					



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

I.CODCO007	4							
I.CODCO033	4							
I.CODCO034	4							
UC*4	20							
UC*6	20							
UCT36*U	10							
							PLUG-DUCT4	4
							PLUG-DUCT6	4

Station: 13 7723 BAYMEADOWS RD NEW 6X12 MANHOLE

Build		Transfer		Remain in Place		Remove
DIR-BORE*2-4	440					
DIR-BORE*2-6	440					
G2P	1					
G2P-C	1					
G3P	1					
I.CODCO005	4					
I.CODCO007	12					
I.CODCO033	4					
I.CODCO034	6					
I.CODPE004	960					
I.CODPE006	960					
PLUG-DUCT4	4					
PLUG-DUCT6	12					
SET-6X12*D	1					
UC*4	20					
UC*6	60					
UCT36*U	15					

Station: 14 7721 BAYMEADOWS RD NEW PMH-10 DEAD-FRONT CABINET "N"

Build		Transfer		Remain in Place		Remove
G1P	1					
I.CODCO007	16					
PLUG-DUCT6	8					
UC*6	30					
UC*6	180					
UCL9*6	8					
UCT36*U	50					



## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

MWO#/Task:

Oracle Project #:

By: MEADCH

Required Date:

Estimated On: 11/04/2025

UPD11	1						
Station: 15 7711 BAYMEADOWS RD NEW PMH-10 DEAD-FRONT CABINET "Y"							
Build		Transfer		Remain in Place		Remove	
G1P	1						
I.CODCO007	16						
PLUG-DUCT6	8						
UC*6	180						
UCL9*6	8						
UCMD*6-2	1						
UCT36*U	30						
UPD11	1						
Station: 16 STUB OUT POINT #2 COUPLE INTO 4-6" & 4-4" CONDUIT							
Build		Transfer		Remain in Place		Remove	
I.CODCO005	4						
I.CODCO007	4						
I.CODCO033	4						
I.CODCO034	4						
UC*4	20						
UC*6	20						
UCT36*U	10						
						PLUG-DUCT4	4
						PLUG-DUCT6	4
Station: 17 7699 BAYMEADOWS RD REMOVE EXISTING CKT 230 CABLE FOR CONDUIT INTERCEPTION							
Build		Transfer		Remain in Place		Remove	
						LCN	2
						USN*4/0	1
						UVSH*1000	3
Station: 18 7701 BAYMEADOWS RD REMOVE EXISTING CKT 230 CABLE FOR CONDUIT INTERCEPTION							
Build		Transfer		Remain in Place		Remove	
						CBL-REM3	600
						LCN	1
						UVT6*1000P	3





## CUE Reports

Estimate Number: 66357

POINT MEADOWS CKTS 233, 234, &  
235 - CONDUIT WORK

Estimate Type: CP

Contract: 069-19-HRT UG FY26

Estimate Version:

By: MEADCH

MWO#/Task:

Required Date:

Oracle Project #:

Estimated On: 11/04/2025

Station: 19      7731 BAYMEADOWS RD      REMOVE EXISTING CKT 230 CABLE  
FOR CONDUIT INTERCEPTION

Build

Transfer

Remain in Place

Remove

LCN	1
USN*4/0	1
UVSH*1000	3

Exhibit E – FDOT Permit

## UTILITY PERMIT

PERMIT NO: 2025-H-294-00358

### STATE ROAD INFORMATION

County:	Section:	State Road No:	Beginning Mile Post:	Ending Mile Post:
Duval	72002103	SR 9A	0.081	0.336

### APPLICANT INFORMATION

The Utility Agency Owner (UAO) shall be identified in this Applicant Information Box. When the UAO is a City or County and desires to have the Utility Builder make a joint permit applicant, as prescribed in Section 2.1(4) of the 2017 Utility Accommodation Manual (UAM), the Utility Builder shall also be identified in this Applicant Information Box. A Utility Builder alone cannot apply for a utility permit without the City or County adding them as a joint applicant.

<u>Utility Agency/Owner (UAO)</u>		<u>Utility Builder (only applicable when the UAO is a City or County)</u>	
Name:	<u>JEA (Gabor Acs)</u>	Name:	_____
Contact Person:	<u>JEA (Gabor Acs)</u>	Contact Person:	_____
Address:	<u>21 W Church St</u>	Address:	_____
City:	<u>Jacksonville</u>	City:	_____
State:	<u>Florida</u>	State:	_____
Zip:	<u>32202</u>	Zip:	_____
Telephone:	<u>9046657729</u>	Telephone:	_____
Email:	<u>acsg@jea.com</u>	Email:	_____

### WORK DESCRIPTION

The Applicant(s) requests permission from the Florida Department of Transportation (FDOT) to construct, operate, and maintain the utilities as described below and as depicted in the incorporated documentation.

Due to the growth in the Point Meadows area, JEA needs to pull three new feeder circuits to aid with total load capacity. The new feeder circuits will be pulled from our Point Meadows substation (just south of Point Meadows & Gate Pkwy), east along Gate Pkwy, and tie-in to new switch cabinets at the intersection of Gate Pkwy & Baymeadows. These three new feeder circuits will need to be directional bored (6-6" Conduits and 2-4" Conduits) under I-295. Reamer size will be 16" ... (see work description cont. page)

Utility Work No: \_\_\_\_\_

Additional sheets are attached and are incorporated into this permit Yes ☒ No ☐

For FDEP certification, the FDOT agency report is attached in accordance with UAM Section 2.4.1 (13) Yes ☒ No ☐

### TRAFFIC CONTROL (TCP)

☒ The TCP will comply with the following 600 series index(es) 600, 611

☐ A TCP has been attached and incorporated into this permit application in compliance with UAM Section 2.4.2.

MOT Technician's contact information (may be supplied at the two (2) business day notification to FDOT):

Name: James Umstattd Telephone (904) 759-7790 ext. \_\_\_\_\_ Email: umstjh@jea.com

### COMMENCEMENT OF WORK

The UAO and/or Utility Builder shall commence actual construction in good faith within sixty (60) calendar days after approval of the permit application. If the beginning date is more than sixty (60) calendar days from the date of approval, the UAO and/or Utility Builder must review the permit with the FDOT Approving Engineer listed to make sure no changes have occurred to the transportation facility that would affect the permit's continued approval. The UAO and/or Utility Builder shall make good faith efforts to expedite the work and complete the work within the calendar days indicated.

Anticipated Start Date: 2/2/2026

Calendar days needed to completed: 365

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025

**UTILITY PERMIT****PERMIT NO:** 2025-H-294-00358**APPLICANT SIGNATURE**

By the below signature(s) the UAO and/or Utility Builder agree(s) to construct, operate, and maintain the work as noted in the above Work Description, shown in plans and incorporated documents, in compliance with the UAM, all instructions noted in the FDOT Special Instructions Box, and special instructions incorporated into this permit. The UAO and/or Utility Builder declares, the location of all existing utilities that it owns or has an interest in, both aerial and underground, are accurately shown on the plans of the work areas. In accordance with UAM Section 2.8, the UAO and/or Utility Builder further declares that a letter of notification was delivered to the owners of other facilities within the work areas and that those listed below are the only facility owners known to be involved or potentially impacted by the proposed work.

Date Notified:

Name of other facility owners (attach additional sheets if necessary).

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Utility Agency/Owner

Utility Builder (when applicable)

Signature: CHRIS MEAD (digital signature) Date: 8/14/2025

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name (printed): CHRIS MEAD

Name (printed): \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

**FDOT PROJECT INFORMATION**

Pursuant to UAM Section 2.1(10), the utility work is within FDOT projects listed below and must have a Utility Work Schedule for each project approved prior to commencement of work within the FDOT project limits:

FDOT construction is proposed or underway. Refer to Financial Project Id: LETTING  
It is in or near 446031-4- ITS WWD SAFETY INITIATIVES - Let Date 03/25/2026 -  
Work Mix - TRAFFIC CONTROL DEVICES/SYSTEM - Walter Sibley PM  
Post Date: 8/14/25 2:21 PM Respond Void Comment  
Walter Sibley (KNAKNWA) commented:  
No comments. Based on the dwgs it appears all work will be outside of road

**FDOT SPECIAL INSTRUCTIONS**

In accordance with UAM Section 2.7, FDOT incorporates the below and attached special instructions into this permit.

Contact Inspector Manager, Tim Collins, at [timothy.collins@dot.state.fl.us](mailto:timothy.collins@dot.state.fl.us) or 904-360-5462, a minimum of two (2) business days prior to starting work within FDOT Right of Way to schedule a pre-construction meeting. Any lane closure request will require 2 weeks' notice for approval and may be restricted to night work only. Be advised that a pre-construction meeting must be held with an FDOT inspector prior to any work commencing within FDOT Right of Way.  
... (see special instructions cont. page)

Additional FDOT Special Instructions are attached and incorporated into this permit. Yes ☐ No ☒**PERMIT APPROVAL**

By signature below, FDOT gives permission to the UAO and/or Utility Builder to construct, operate, and maintain the utilities indicated in this Utility Permit in compliance with the UAM, all incorporated documents, and special instructions. Any changes to the approved work must be approved by the FDOT's Approving Engineer and attached and incorporated into this permit in accordance with UAM Section 2.11.

Approving Engineer: Jason Quijano (digital signature) Date: 10/3/2025Name: Jason QuijanoTitle: MAINTENANCE PROGRAM ENGINEERNotification of Utility Work to be provided to: Telephone (904) 360-5462 ext. \_\_\_\_\_ or Email: timothy.collins@dot.state.fl.usAn FDOT Representative is required to be present on the worksite prior to commencement of work. Yes ☒ No ☐Rep. Name: Timothy Collins Telephone 9043605462 Email: timothy.collins@dot.state.fl.us

2025-H-294-00358  
Jason Quijano  
10/3/2025

Florida Department of Transportation  
**UTILITY PERMIT**

December 14, 2016

**PERMIT NO:** 2025-H-294-00358

**CERTIFICATION**

I, the undersigned UAO and/or Utility Builder, hereby CERTIFY that the utilities were constructed and inspected in compliance with the UAM all incorporated documents, and special instructions. Pursuant to UAM Section 2.11, all changes have been approved by the FDOT's Approving Engineer and incorporated into this permit along with all other material certifications, test results, bore logs, approved plans changes, as-built plans or other required documentation.

I also CERTIFY that work began on \_\_\_\_\_ and was completed on \_\_\_\_\_ and that the area was left in as good or better condition than when the work began.

Utility Agency/Owner

Utility Builder (when applicable)

Signature: \_\_\_\_\_ Date \_\_\_\_\_

Signature: \_\_\_\_\_ Date \_\_\_\_\_

Name (printed): \_\_\_\_\_

Name (printed): \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

**FINAL INSPECTION OF WORK**

☐ The work was inspected and found to be in non-compliance as noted below:

☐ All issues of non-compliance listed above have been brought into compliance and/or FDOT has no outstanding issues that need to be addressed by the UAO and/or Utility Builder. However, this final inspection does not release the UAO and/or Utility Builder of their continuing responsibilities pursuant to Rule 14-46.001, the UAM, all incorporated documents, and special instructions.

FDOT Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025

**PERMIT NO.:** 2025-H-294-00358

The complete Work Description could not fit in the space allotted on Page 1 of the Utility Permit so it is displayed below.

### **Work Description**

Due to the growth in the Point Meadows area, JEA needs to pull three new feeder circuits to aid with total load capacity. The new feeder circuits will be pulled from our Point Meadows substation (just south of Point Meadows & Gate Pkwy), east along Gate Pkwy, and tie-in to new switch cabinets at the intersection of Gate Pkwy & Baymeadows. These three new feeder circuits will need to be directional bored (6-6" Conduits and 2-4" Conduits) under I-295. Reamer size will be 16" and so the bores will be 160" deep under I-295.

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025

**PERMIT NO.:** 2025-H-294-00358

**STATE ROAD INFORMATION:**

Duval SR 9A, Section: 72002103, Begin MP: 0.081, End MP: 0.336, Duval SR 9A, Section: 72002000, Begin MP: 18.602, End MP: 19.347

**NAME OF OTHER FACILITY OWNERS / DATE NOTIFIED:**

**FDOT PROJECT INFORMATION:**

FDOT construction is proposed or underway. Refer to Financial Project Id: LETTING It is in or near 446031-4- ITS WWD SAFETY INITIATIVES – Let Date 03/25/2026 – Work Mix – TRAFFIC CONTROL DEVICES/SYSTEM – Walter Sibley PM  
Post Date: 8/14/25 2:21 PM Respond Void Comment  
Walter Sibley (KNAKNWA) commented:  
No comments. Based on the dwgs it appears all work will be outside of road pavement.  
This work is NOT related to an approved Utility Work Schedule.

**THE WORK WAS INSPECTED AND FOUND TO BE IN NON-COMPLIANCE AS NOTED BELOW:**

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025

**PERMIT NO.:** 2025-H-294-00358

The complete special instructions could not fit in the space allotted on Page 2 of the Utility Permit so they are displayed below.

### **Special FDOT Instructions**

Contact Inspector Manager, Tim Collins, at [timothy.collins@dot.state.fl.us](mailto:timothy.collins@dot.state.fl.us) or 904-360-5462, a minimum of two (2) business days prior to starting work within FDOT Right of Way to schedule a pre-construction meeting. Any lane closure request will require 2 weeks' notice for approval and may be restricted to night work only. Be advised that a pre-construction meeting must be held with an FDOT inspector prior to any work commencing within FDOT Right of Way.

Provide as built plans after permit project completion.

Any disturbed areas will be restored with sod or like material immediately.

Any disturbed sidewalk (joint to joint) will be restored to current standards in original or better conditions within 24 hours.

No Hay Bales for erosion or sedimentation controls are allowed in the FDOT Right of Way.

This permit covers work within FDOT Right of Way only.

All direction boring will be in accordance with FDOT Specification 555 latest edition.

Complete HDD Bore Log and submit upon completion.

**NO LANE CLOSURE ALLOWED WITHOUT PRIOR APPROVAL-WITHIN DOT PORTION OF GATE PARKWAY BENEATH  
295 BELTWAY**

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025



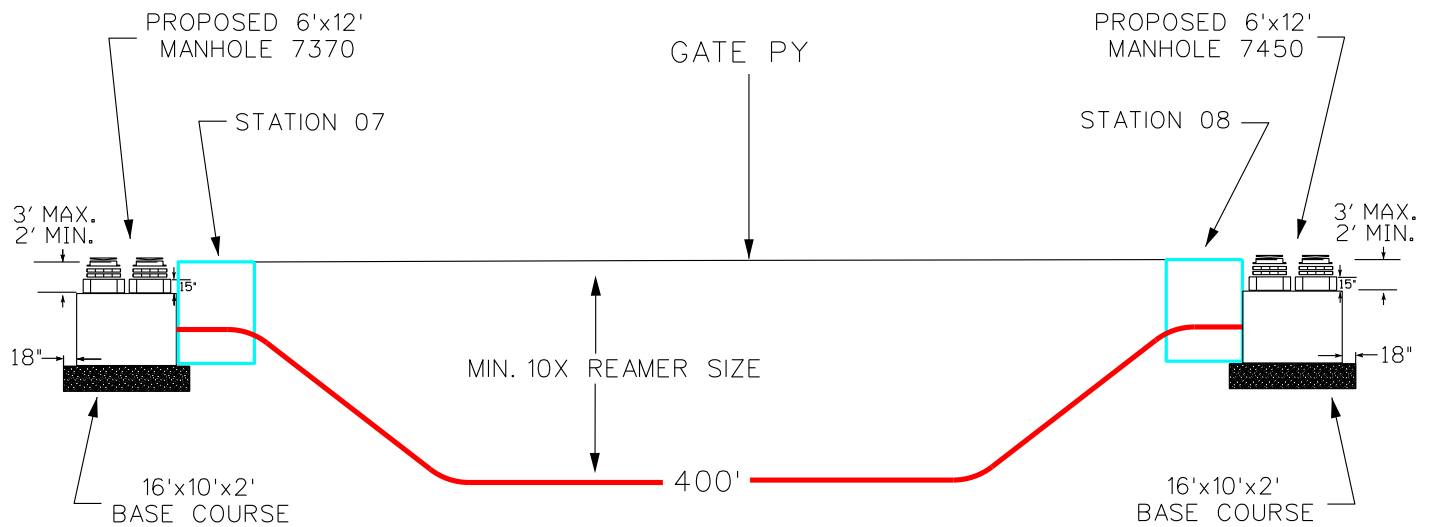


.....  
The plans were prepared by a regular full-time employee  
of the UAO and are exempt from the signing and sealing  
requirements prescribed in Section 471 Florida Statutes.  
.....

\*\*\*\*\*  
\* DRAWING NOT TO SCALE \*  
\*\*\*\*\*

TYPICAL UG CONDUIT ROUTE B/W PROPOSED MANHOLES  
GATE PY AT I-295  
FDOT PERMIT

REAMER SIZE: 16"  
2 RUNS OF (3-6" CONDUIT & 1-4" CONDUIT) (NEW)  
3 SETS OF (3-1000AL & 4/0N) (NEW)  
STA 07 TO STA 08 - 500'



GATE PY  
(LOOKING NORTH)

DRAWN B.MCMAHAN	UNDERGROUND FEEDER (3) 3-1000AL & 4/0 N GATE PY			DESIGN FILENAME 2025-H-294-00358
DESIGNED B.MCMAHAN	JEÄ JACKSONVILLE, FLORIDA			DRAWING NO. Jason Quijano
DATE 09/22/2025	SCALE N.T.S.	OPN: 8010121	SHEET NO. 1 OF 3	

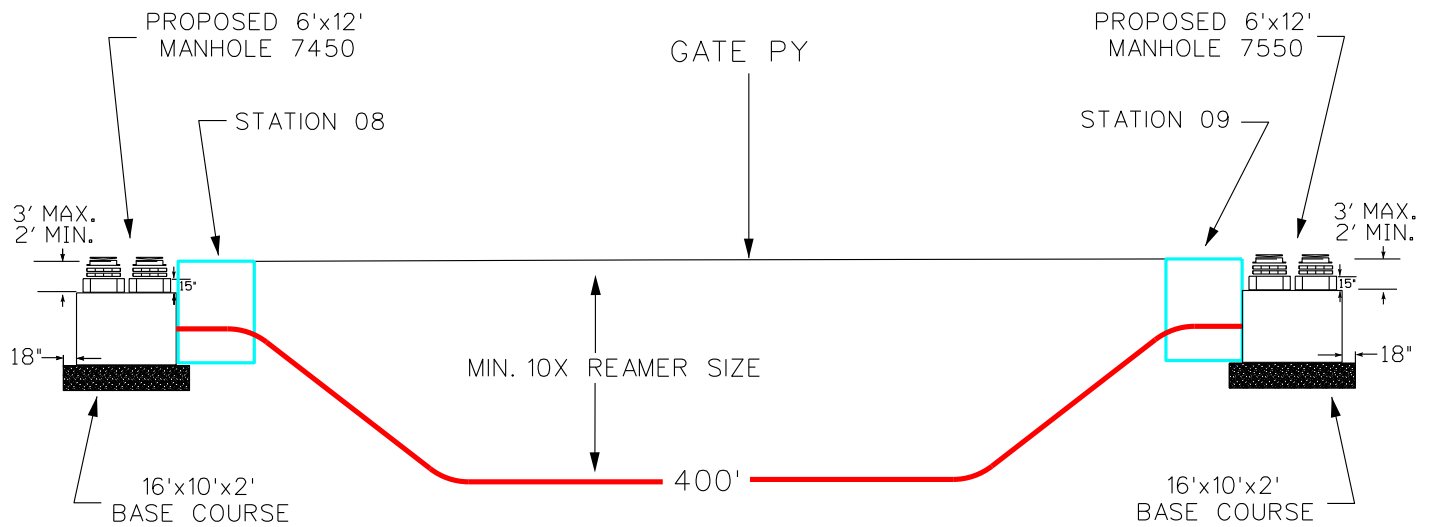


.....  
The plans were prepared by a regular full-time employee  
of the UAO and are exempt from the signing and sealing  
requirements prescribed in Section 471 Florida Statutes.  
.....

\*\*\*\*\*  
\* DRAWING NOT TO SCALE \*  
\*\*\*\*\*

TYPICAL UG CONDUIT ROUTE B/W PROPOSED MANHOLES  
GATE PY AT I-295  
FDOT PERMIT

REAMER SIZE: 16"  
2 RUNS OF (3-6" CONDUIT & 1-4" CONDUIT) (NEW)  
3 SETS OF (3-1000AL & 4/ON) (NEW)  
STA 08 TO STA 09 - 400'



GATE PY  
(LOOKING NORTH)

DRAWN B.MCMAHAN	UNDERGROUND FEEDER (3) 3-1000AL & 4/0 N GATE PY			DESIGN FILENAME 2025-H-294-00358
DESIGNED B.MCMAHAN	JEA JACKSONVILLE, FLORIDA			DRAWING NO. Jason Quijano
DATE 09/22/2025	SCALE N.T.S.	OPN: 8010121	SHEET NO. 2 OF 3	

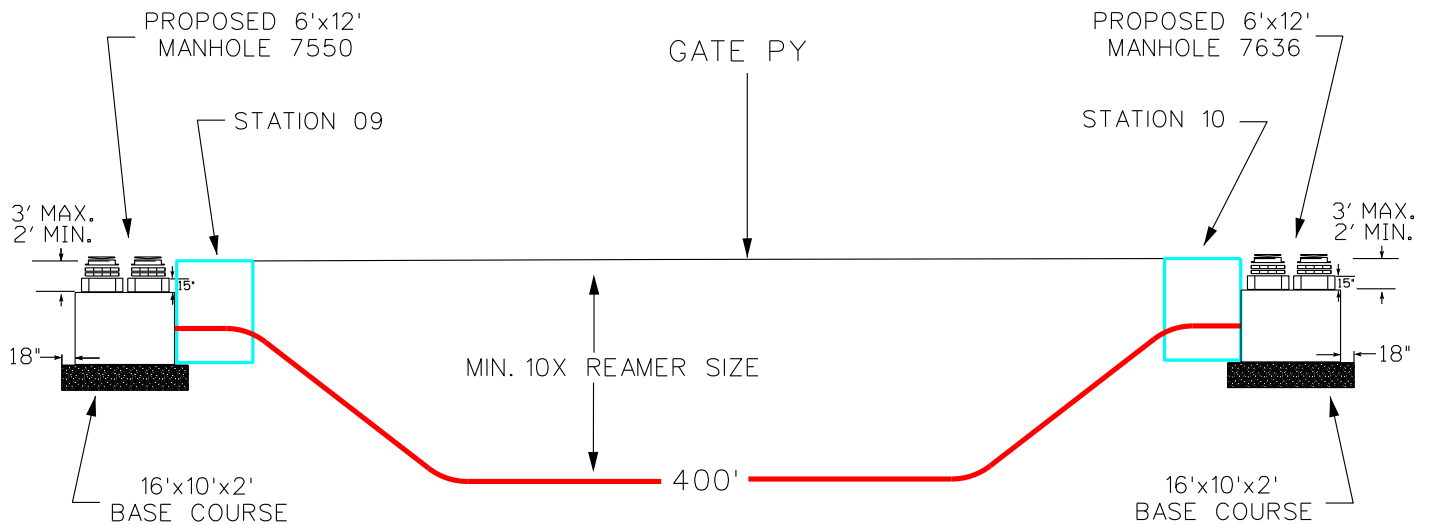


.....  
The plans were prepared by a regular full-time employee  
of the UAO and are exempt from the signing and sealing  
requirements prescribed in Section 471 Florida Statutes.  
.....

\*\*\*\*\*  
\* DRAWING NOT TO SCALE \*  
\*\*\*\*\*

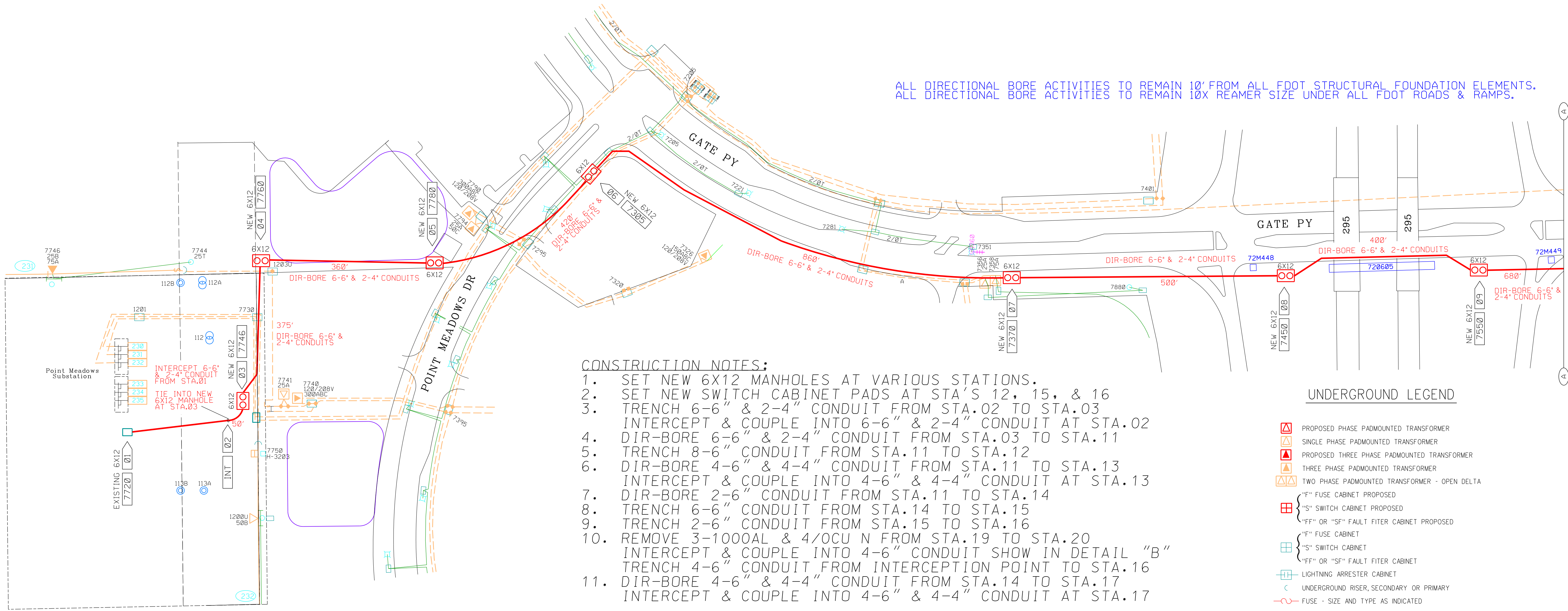
TYPICAL UG CONDUIT ROUTE B/W PROPOSED MANHOLES  
GATE PY AT I-295  
FDOT PERMIT

REAMER SIZE: 16"  
2 RUNS OF (3-6" CONDUIT & 1-4" CONDUIT) (NEW)  
3 SETS OF (3-1000AL & 4/0N) (NEW)  
STA 09 TO STA 10 - 680'



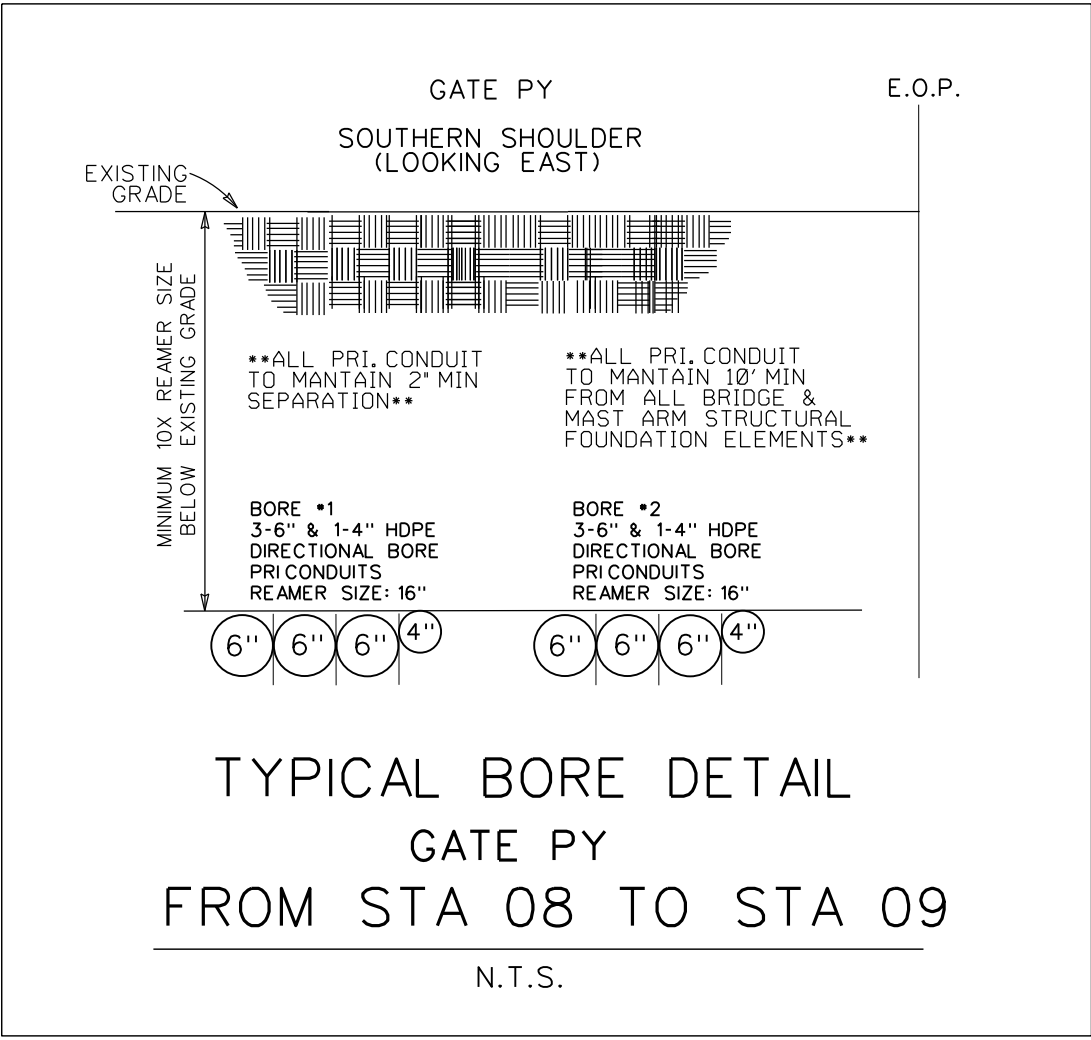
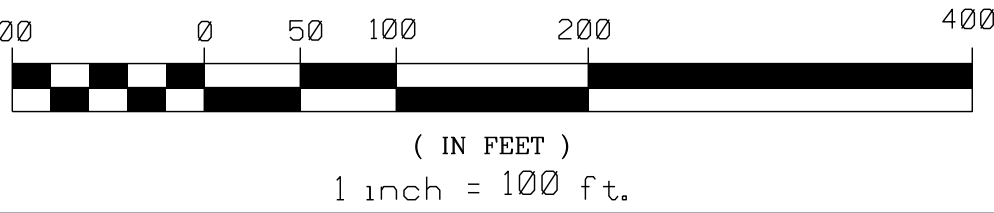
GATE PY  
(LOOKING NORTH)


DRAWN B.MCMAHAN	UNDERGROUND FEEDER (3) 3-1000AL & 4/0 N GATE PY			DESIGN FILENAME 2025-H-294-00358
DESIGNED B.MCMAHAN	JEA JACKSONVILLE, FLORIDA			DRAWING NO. Jason Quijano
DATE 09/22/2025	SCALE N.T.S.	OPN: 8010121	SHEET NO. 3 OF 3	



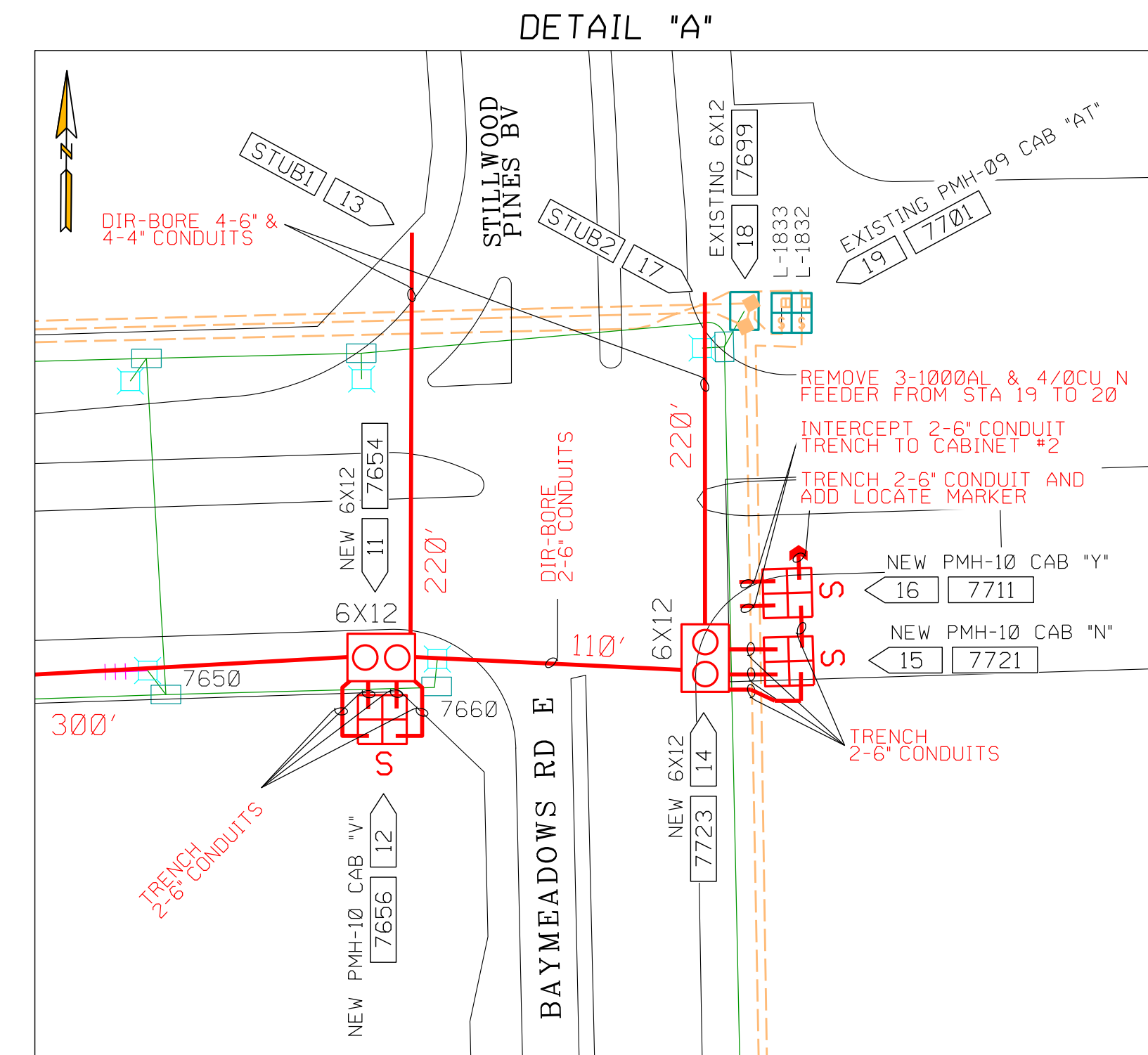
POINT MEADOWS T2 ADDITION PROJECT NUMBERS:  
WO#31640768 - CONDUIT WORK  
WO#31641833 - FEEDER CABLE WORK

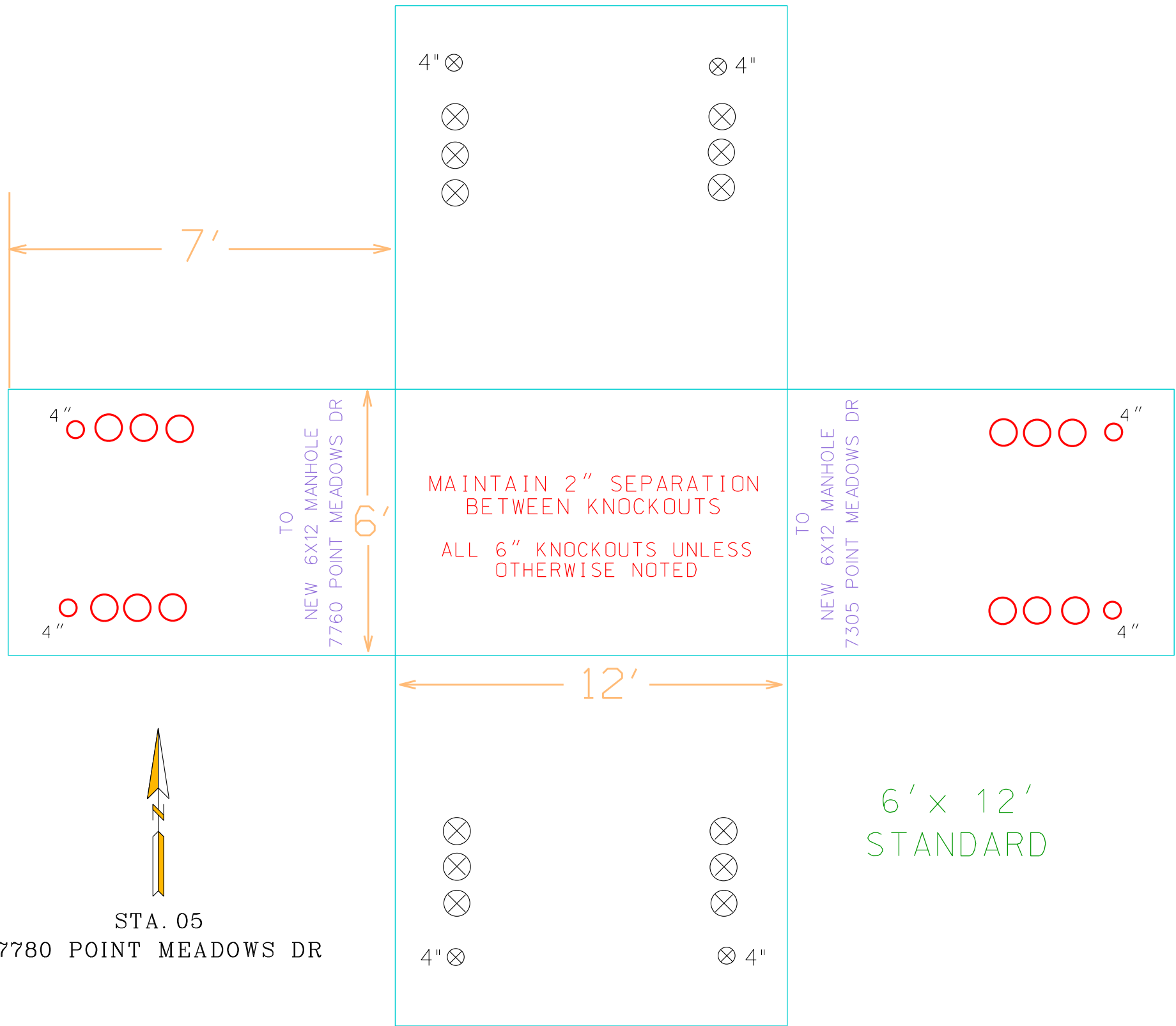
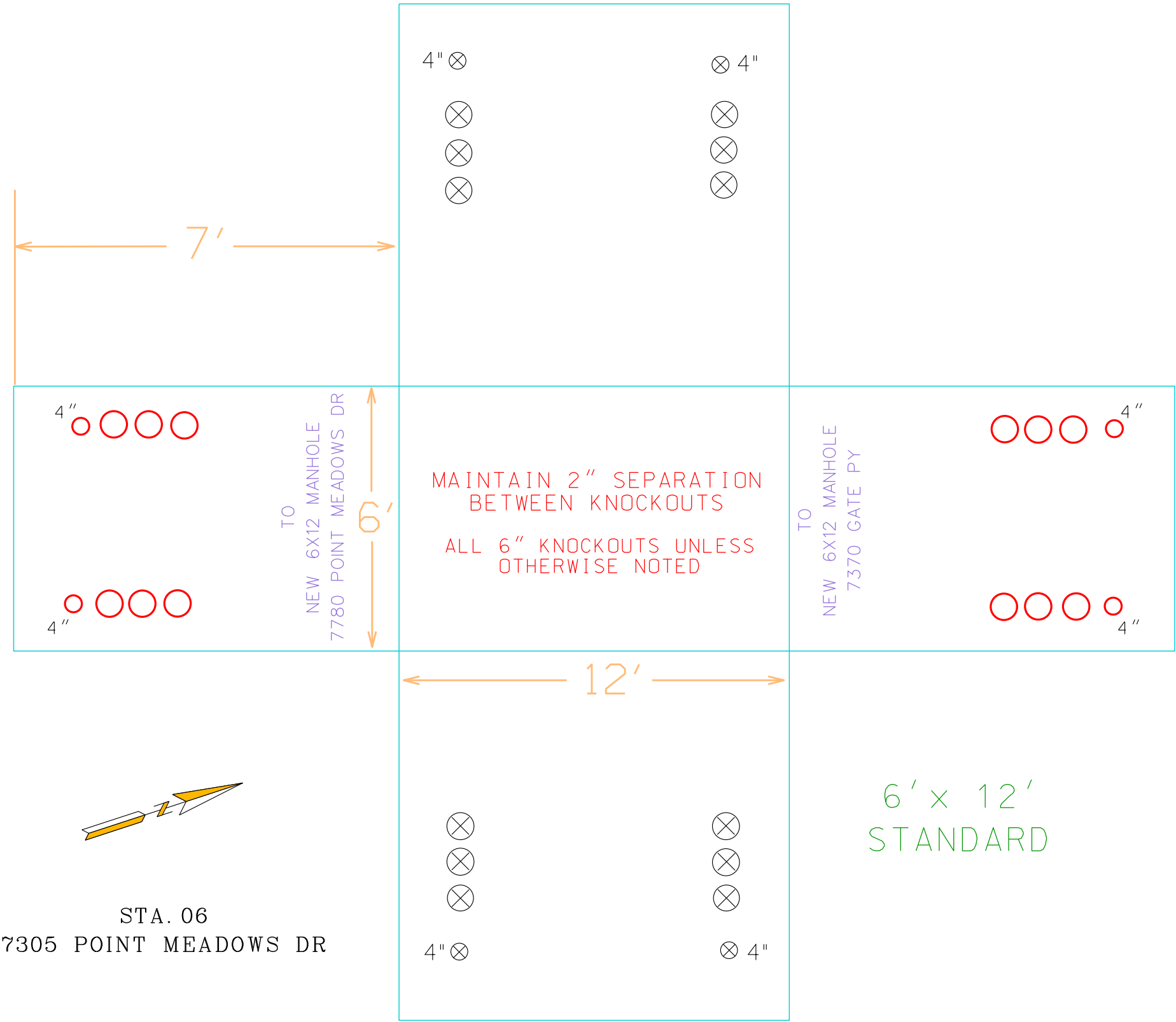
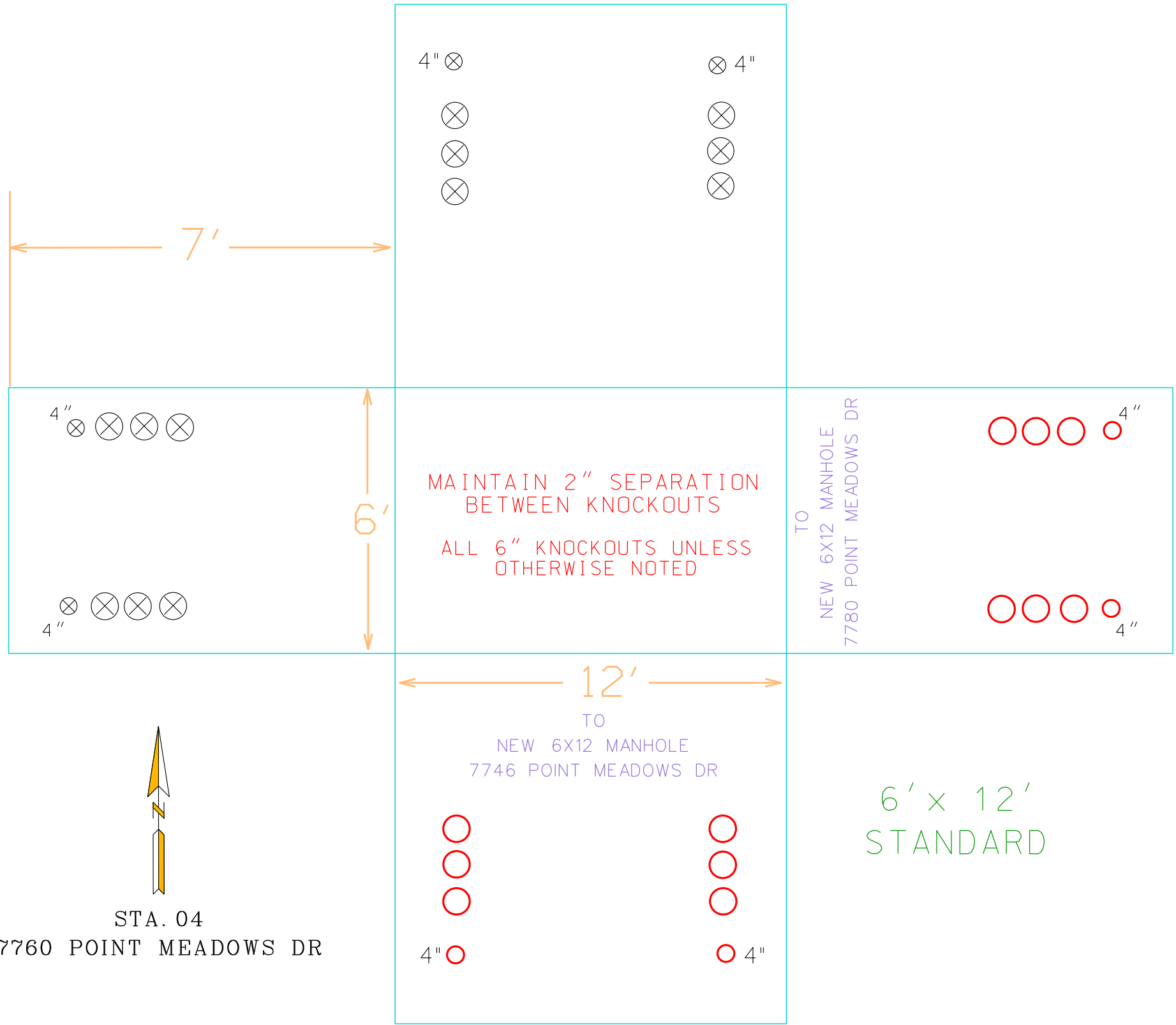
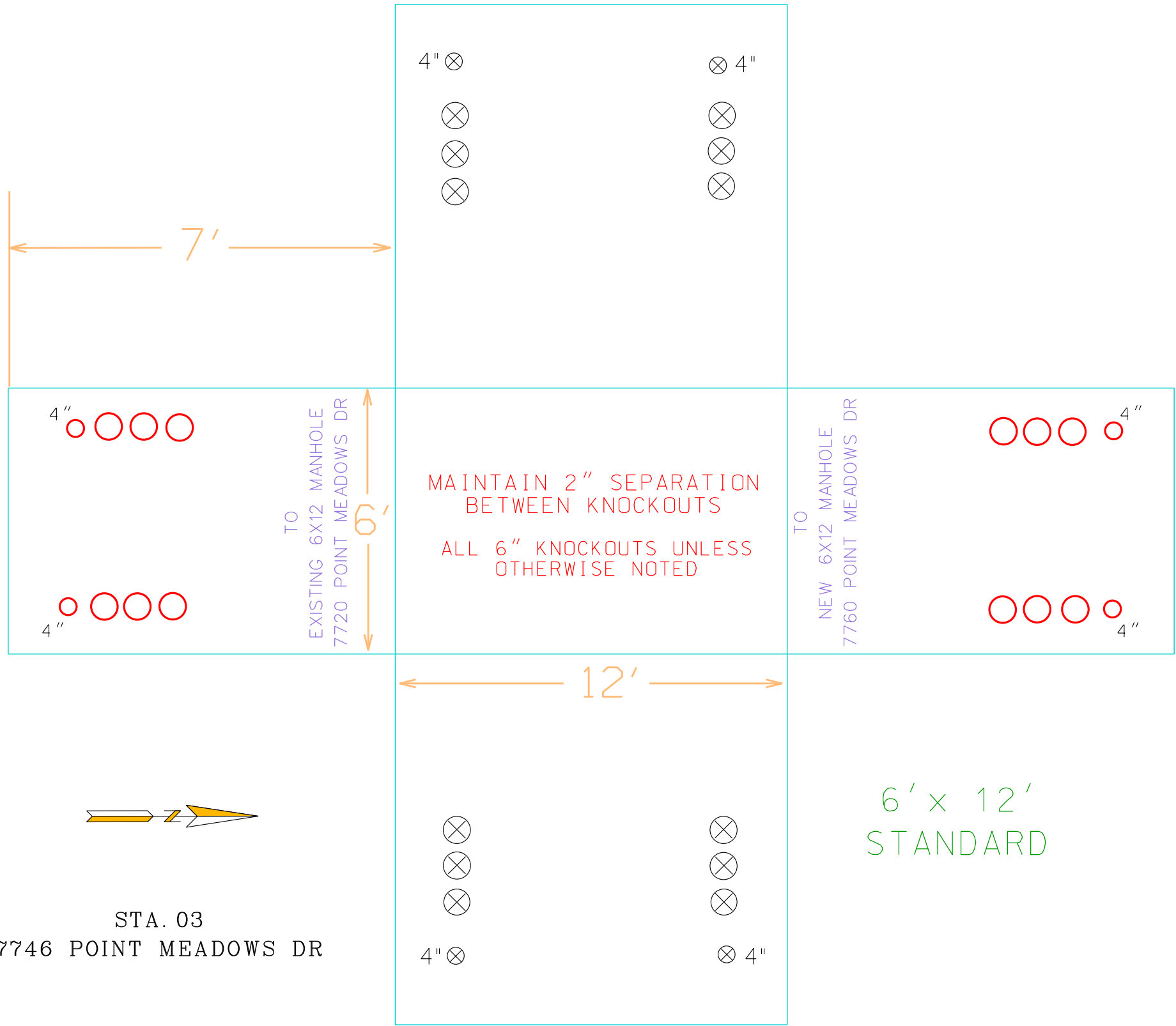
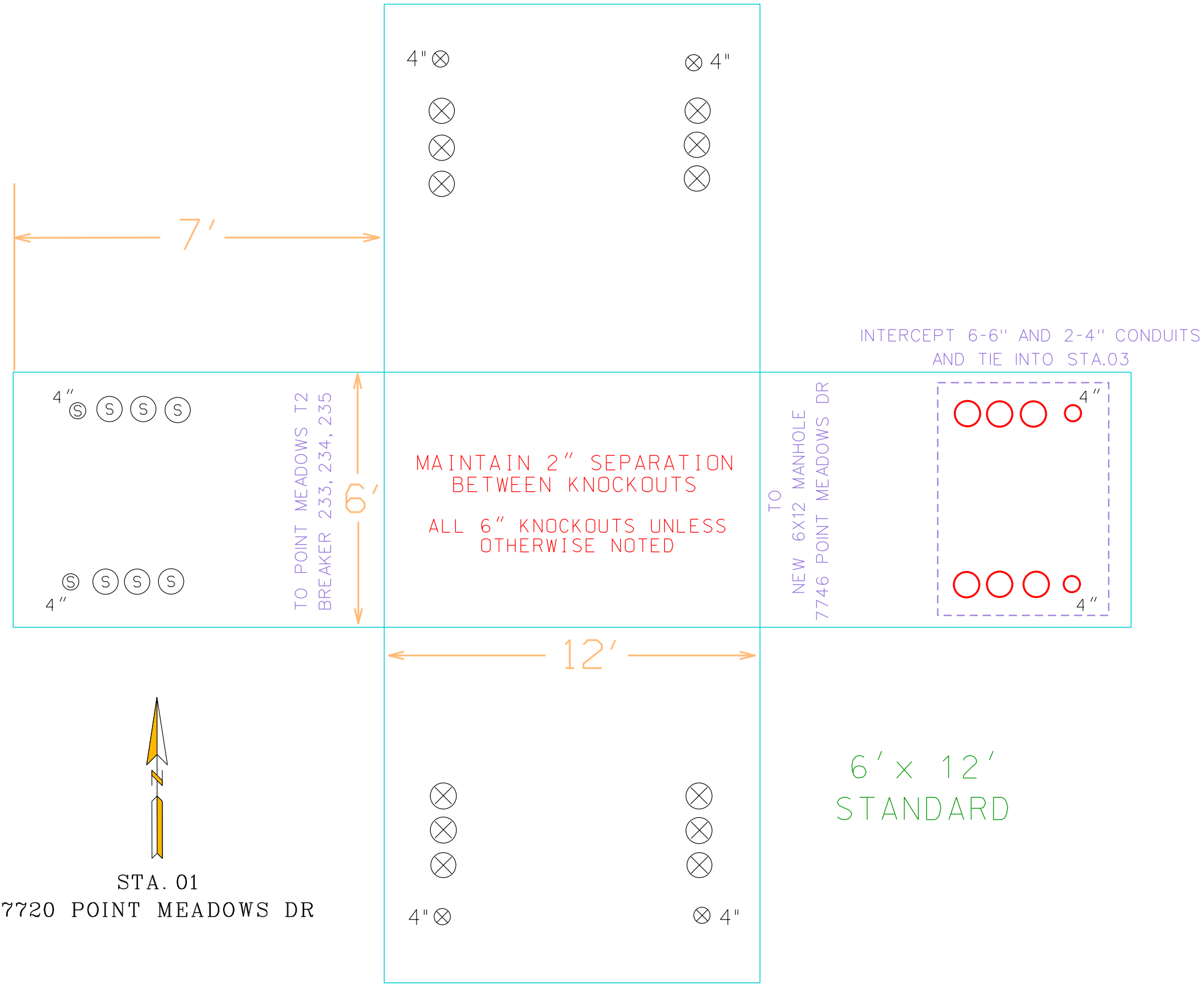
PROJECT SWITCH & CIRCUIT MAPS:  
055  
055.1  
055.2  
deerwoodparkse-2\_c1  
deerwoodparkse-3\_c1  
pointmeadowsdrnorth\_c1



SUBSTATION/CIRCUIT		ENGINEER / PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div> <b>BUILDING COMMUNITY</b>  225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</div>	POINT MEADOWS 230-26kV T2 ADDITION		DRAWING NO. : ufp0336
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____ PHONE NO. _____		BY		DATE		OPN : 8010121	MWO : 31640768	SHEET NO. 1 of 6
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668 CELL : (904) 625-5307		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.		JBM		09/22/25		CKT'S 233, 234, & 235 CONSTRUCTION DRAWING		2025-H-204-00
CIRCUIT NUMBER/S 233, 234, 235		EMAIL : MEADCH@jea.com		AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____		CM		MS				Approved Jason Quijano
SWITCH MAP NUMBER/S 55		EMAIL : MCMAJB2@jea.com		JEA CONTRACT ADMIN: _____		APPROVED FOR CONSTRUCTION						
PRIMARY VOLTAGE 26.4kV												




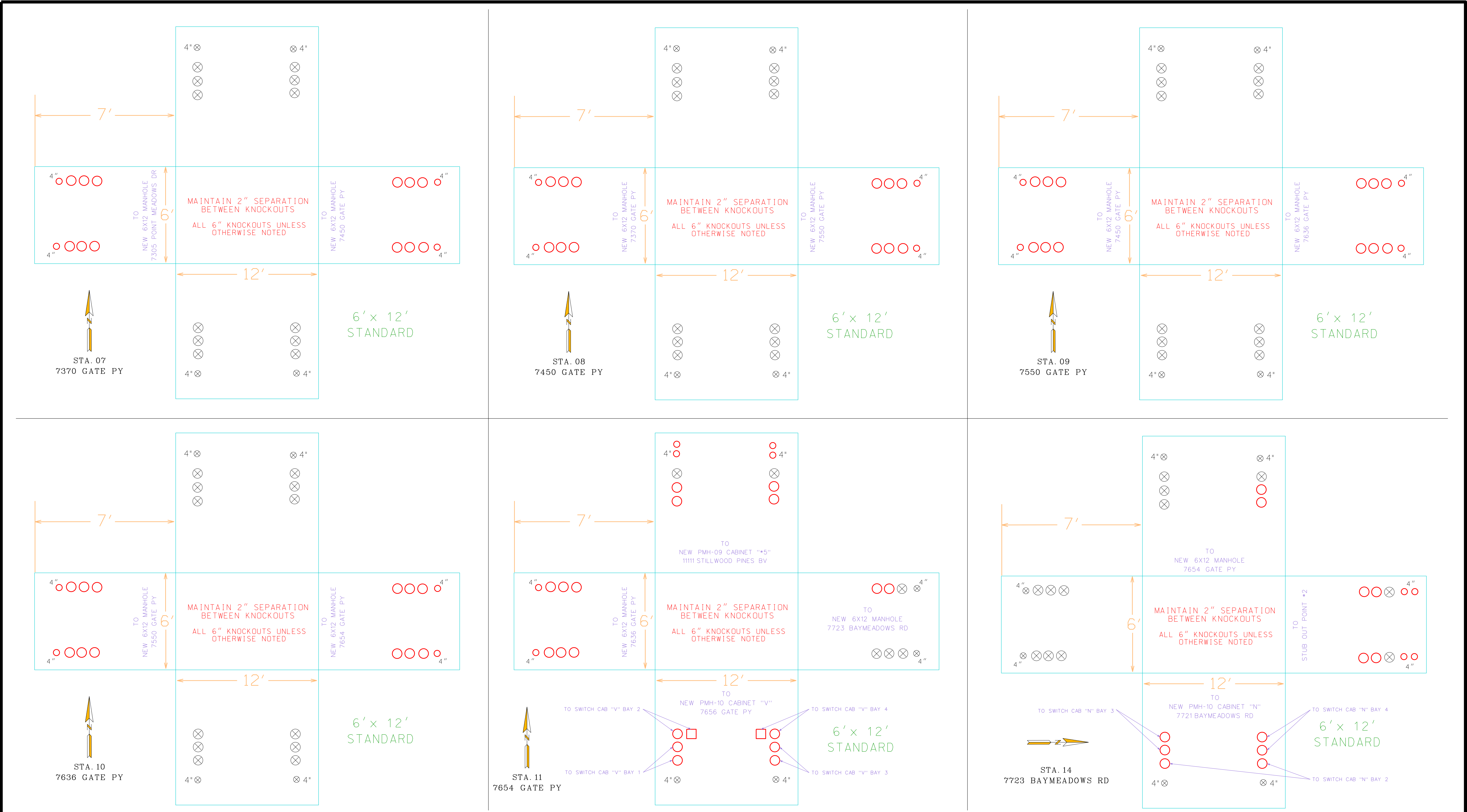





Manhole Detail Legend

- (X) EXISTING KNOCK OUT
- (S) EXISTING SPARE CONDUIT
- (O) INSTALL NEW CONDUIT
- [ ] INSTALL NEW CONDUIT BY CORE BORE
- (F) EXISTING CONDUIT WITH FEEDER
- (PR) EXISTING CONDUIT WITH 3 PH 1/0
- (SE) EXISTING CONDUIT WITH SECONDARY

SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p></div>	POINT MEADOWS 230-26kV T2 ADDITION			DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____ PHONE NO. _____		BY _____		DATE		OPN : 8010121	MWO : 31640768		SHEET NO. 3 OF 6	
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.		DESIGNED : JBM		09/22/25		CKT'S 233, 234, & 235		APPROVED FOR CONSTRUCTION		
SWITCH MAP NUMBER/S 55		CELL : (904) 625-5307				CHECKED : CM		MS		MANHOLE DETAILS		2025-H-234-01		
PRIMARY VOLTAGE 26.4kV		EMAIL : MEADCH@jea.com				APPROVED : _____								
		EMAIL : MCMAJB2@jea.com				AUTHORIZED NAME _____								
						AUTHORIZED SIGNATURE _____								
				CONTRACTOR'S LICENSE No. _____										
				JEA CONTRACT ADMIN: _____										



SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>ELECTRIC UTILITY CONDUIT SYSTEM</small>		ENGINEERING RECORD			<div><p><b>JEA</b> BUILDING COMMUNITY</p><p>225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p></div>	POINT MEADOWS 230-26kV T2 ADDITION			DRAWING NO. : ufp0336	
SUBSTATION NAME POINT MEADOWS		ENGINEER : C.MEAD		DATE _____ COMPANY NAME _____ ADDRESS _____ PHONE NO. _____		BY DATE		OPN : 8010121			SHEET NO. 4 OF 6			
CIRCUIT NUMBER/S 233, 234, 235		PHONE : (904) 485-6668 CELL : (904) 625-5307		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS. AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE No. _____ JEA CONTRACT ADMIN: _____				MWO : 31640768			2025-11-20 6:00 PM Jason Quiroz			
SWITCH MAP NUMBER/S 55		EMAIL : MEADCH@jea.com				DESIGNED : JBM 09/22/25				APPROVED FOR CONSTRUCTION :				
PRIMARY VOLTAGE 26.4kV		EMAIL : MCMAJB2@jea.com				CHECKED : CM APPROVED : MS				CKT'S 233, 234, & 235 MANHOLE DETAILS				

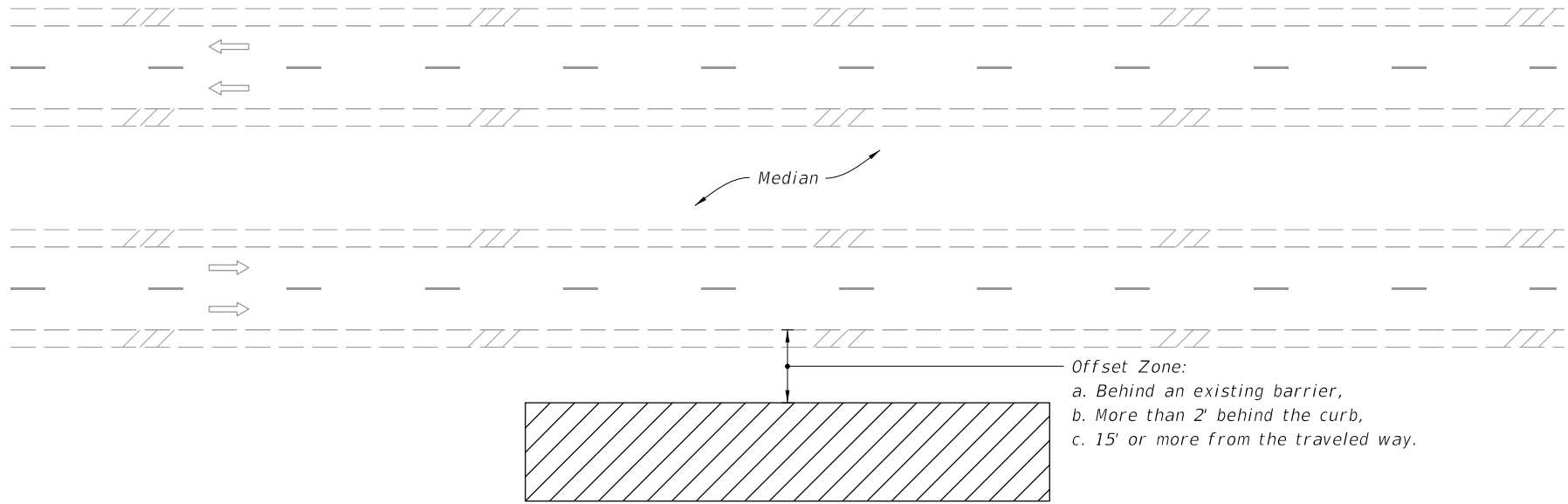








10/6/2022 1:23:55 PM





MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

**NOTES:**

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
3. Use Index 102-660 when Work Area encroaches a Sidewalk.

**SYMBOLS:**

-  Work Area
-  Lane Identification and Direction of Traffic

Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025  
INDEX  
102-601  
SHEET  
1 of 1



FY 2023-24  
STANDARD PLANS

TWO-LANE AND MULTILANE ROADWAY,  
WORK BEYOND THE SHOULDER

LAST  
REVISION  
11/01/20

REVISION

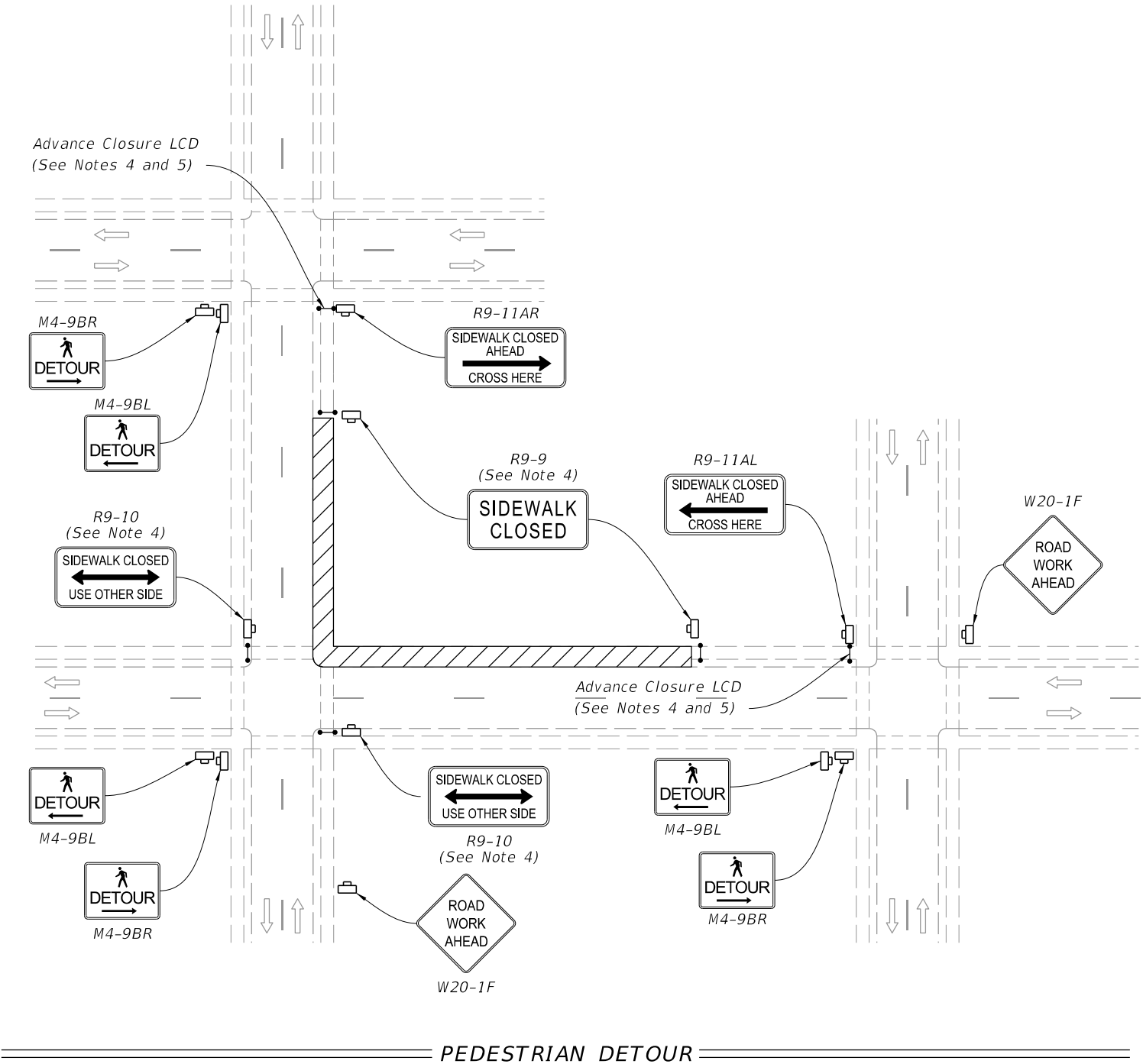
DESCRIPTION:

NOTES:

- 1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
- 2. Place pedestrian LCDs across the full width of the closed sidewalk.
- 3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
- 4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
- 5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



FY 2024-25  
STANDARD PLANS

SIDEWALK CLOSURE








Approved  
2025-H-294-00358  
Jason Quijano  
10/3/2025  
INDEX  
102-660  
SHEET  
1 of 2

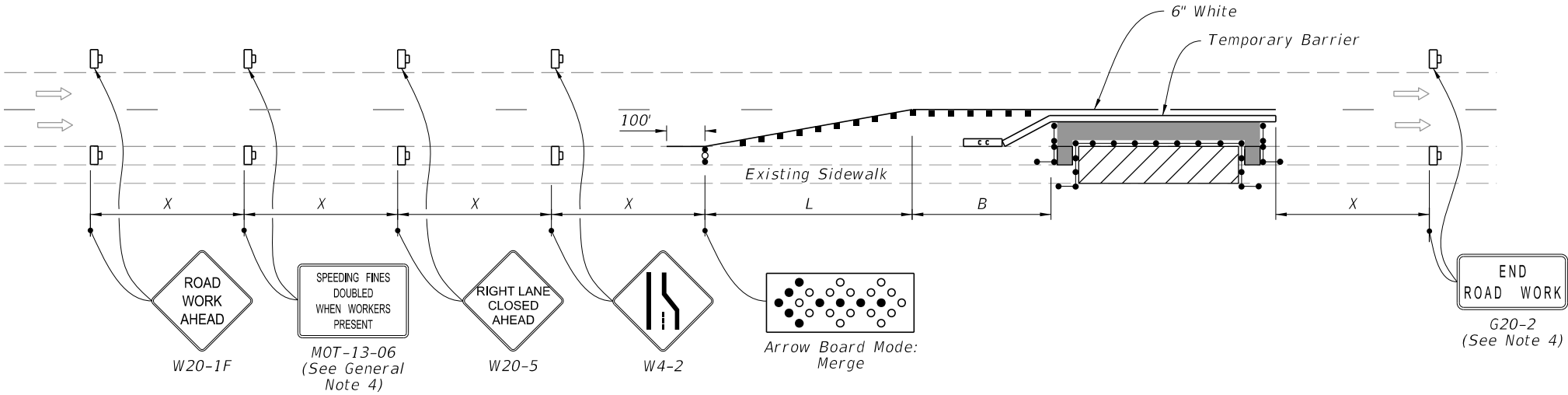
10/3/2023 10:59:10 AM

NOTES:

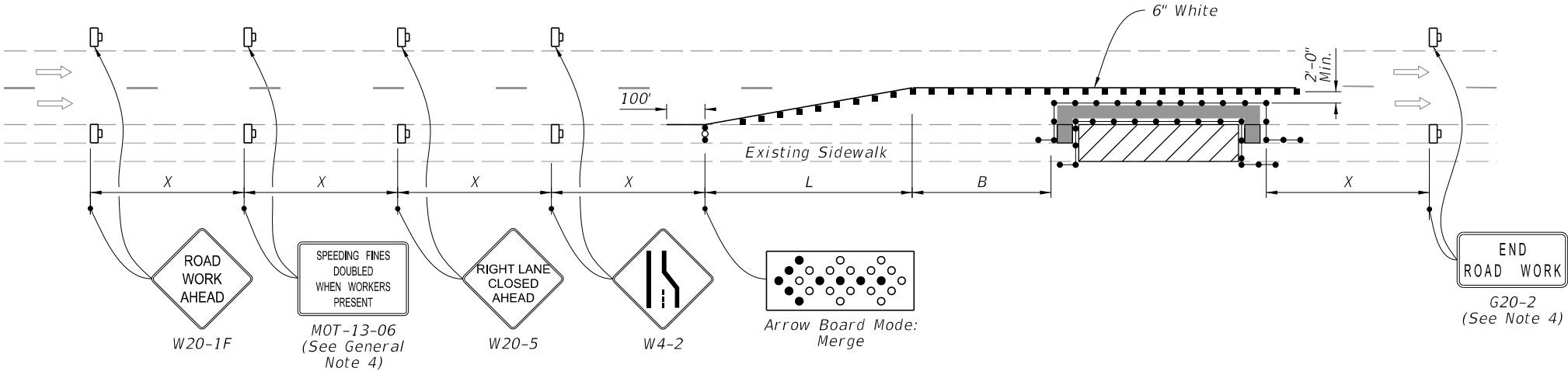
1.  $L$  = Taper Length  
 $B$  = Buffer Length  
 $X$  = Work Zone Sign Distance  
See Index 102-600 for "L", "B", "X", channelizing device spacing values.
2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.
4. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.
5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

SYMBOLS:

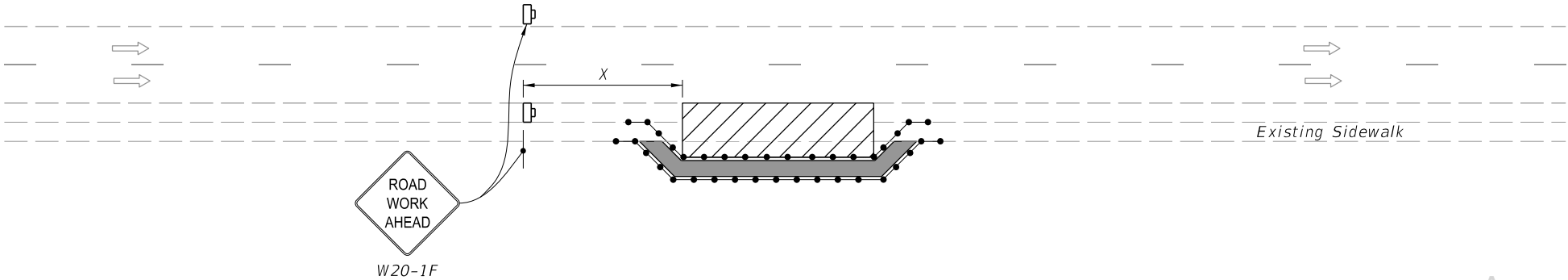
-  Work Area
-  Temporary Pedestrian Way
-  Channelizing Device (See Index 102-600)
-  Pedestrian Longitudinal Channelizing Device (LCD)
-  Work Zone Sign
-  Arrow Board
-  Crash Cushion
-  Lane Identification and Direction of Traffic



PEDESTRIAN DIVERSION - OPTION 1  
(Temporary Barrier Shown, Low Profile Barrier Similar)



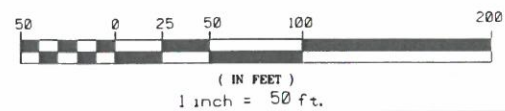
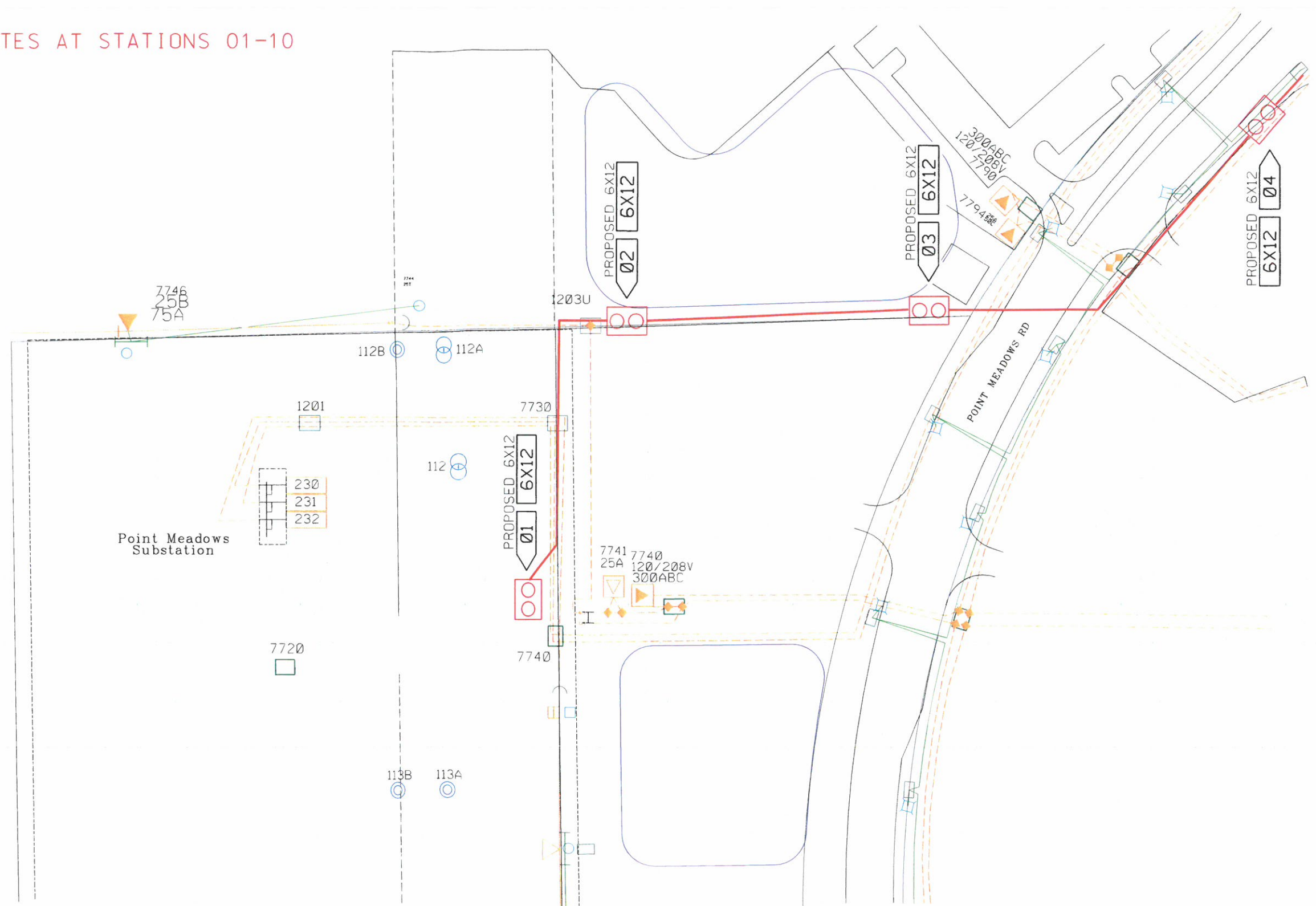
PEDESTRIAN DIVERSION - OPTION 2  
(Work Zone Speed 45 mph or Less)




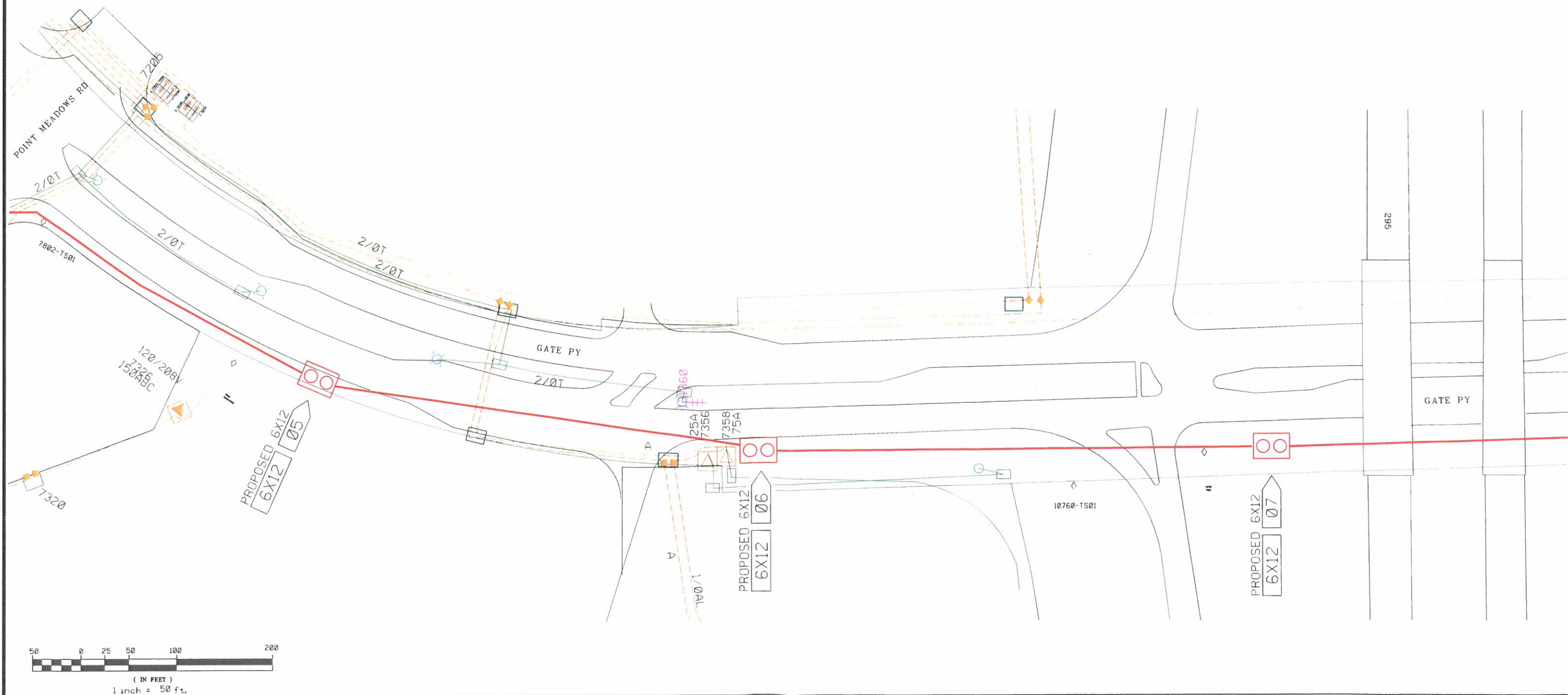
PEDESTRIAN SPECIAL DETOUR


Exhibit F – Completed Exploratories





<b>SUBSTATION/CIRCUIT</b>	<b>ENGINEER / PROJECT MANAGER</b>	<b>AS - BUILT</b> <small>ELECTRIC UTILITY CONSTRUCTION</small>	<b>ENGINEERING RECORD</b>		 <p align="center">POINT MEADOWS 233, 234, &amp; 235 EXPLORATORY EXCAVATES</p> <p align="center">225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</p>	DRAWING NO.:
SUBSTATION NAME POINTMEADOWS	ENGINEER : B.MCMAHAN	DATE _____ COMPANY NAME _____ ADDRESS _____		BY DATE		OPN : 0010121
CIRCUIT NUMBER/S 233, 234, & 235	PHONE : (904) 625-5307	PHONE NO. _____ I HEREBY CERTIFY THAT THIS "AS-BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.	DESIGNED : JBM	01/23/25		MWO : 31528091
CELL :		AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE NO. _____ JEA CONTRACT ADMIN _____	CHECKED : CM	01/28/25		SHEET NO.
SWITCH MAP NUMBER/S 55	EMAIL : MCMAJB2@jea.com		APPROVED : _____			1 OF 3
PRIMARY VOLTAGE 26.4kV	EMAIL : _____		APPROVED FOR CONSTRUCTION _____			

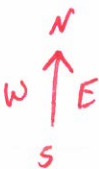


SUBSTATION/CIRCUIT		ENGINEER/PROJECT MANAGER		AS - BUILT <small>BUILT TO JEA CONTRACT SPECIFICATIONS</small>		ENGINEERING RECORD			<div> 225 N. PEARL ST. JACKSONVILLE, FLORIDA 32202-3139</div>	DRAWING NO. :	
SUBSTATION NAME POINTMEADOWS		ENGINEER : B.MCMAHAN		DATE _____ COMPANY NAME _____ ADDRESS _____ PHONE NO. _____		BY _____ DATE _____				OPN : 6010121	
CIRCUIT NUMBER/S 233, 234, & 235		PHONE : (904) 625-5307		I HEREBY CERTIFY THAT THIS "AS - BUILT" DRAWING REPRESENTS THE ACTUAL HORIZONTAL AND VERTICAL FIELD LOCATIONS AND THAT THE MATERIALS USED ARE IN ACCORDANCE WITH THE APPROVED JEA SPECIFICATIONS.  AUTHORIZED NAME _____ AUTHORIZED SIGNATURE _____ CONTRACTOR'S LICENSE NO. _____ JEA CONTRACT ADMIN _____		DESIGNED : JBM 01/23/25				MWO : 31528091	
CELL : SWITCH MAP NUMBER/S 55		EMAIL : MCMAJB2@jea.com				CHECKED : CM 01/28/25				SHEET NO.	
PRIMARY VOLTAGE 26.4kV		EMAIL :		APPROVED : APPROVED FOR CONSTRUCTION			2 OF 3				









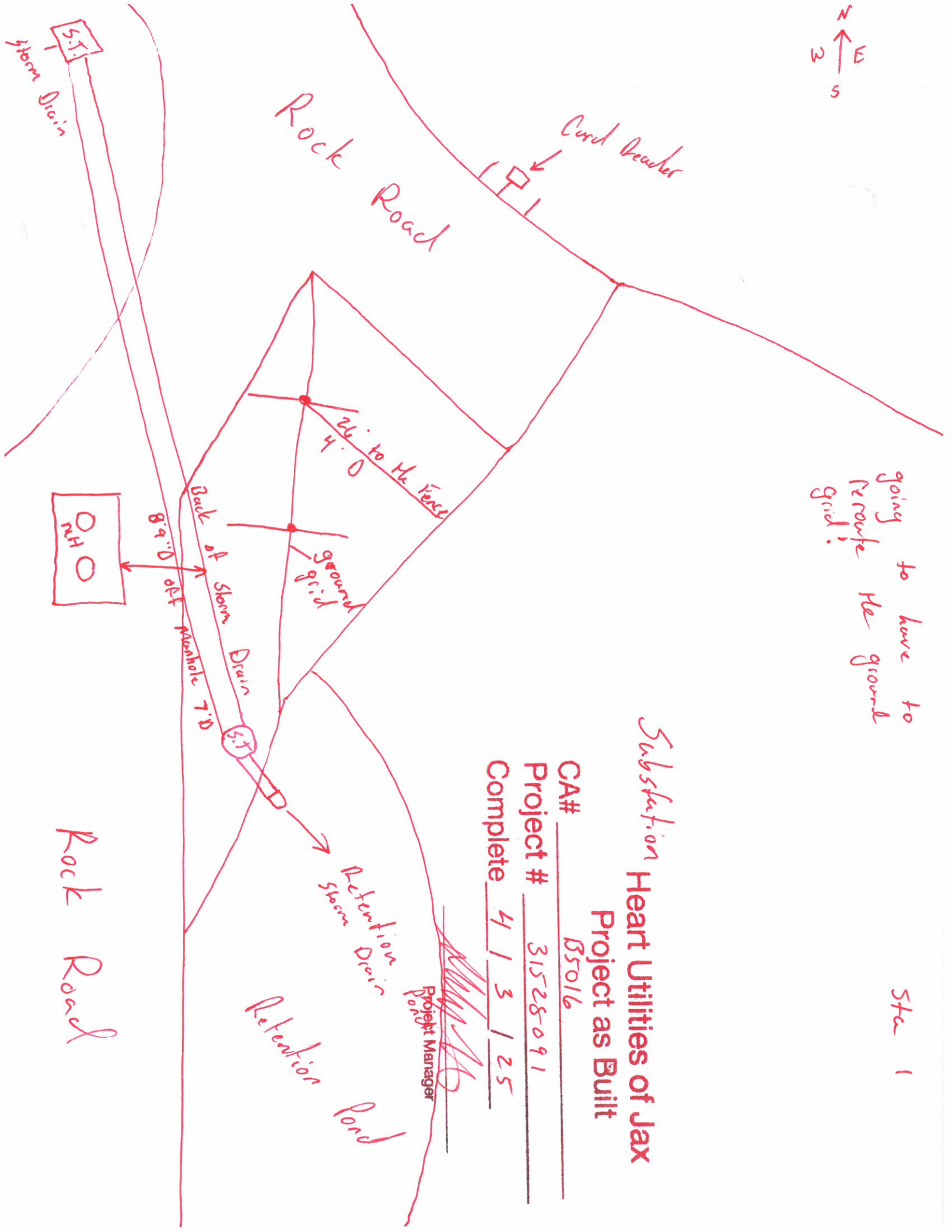
going to have to  
reroute the ground  
grid.

Sta 1

# Substation Heart Utilities of Jax Project as Built

CA# B5016  
Project # 31528091  
Complete 4 / 3 / 25

  
Project Manager



Rock Road

Substation

May need to shift  
to the Rock Road

30' of Easement from Curb

Sta 2

3  
2  
1  
0

Pond

Rock Road

Business

Curb

Measure ments  
to the center  
of Pipes

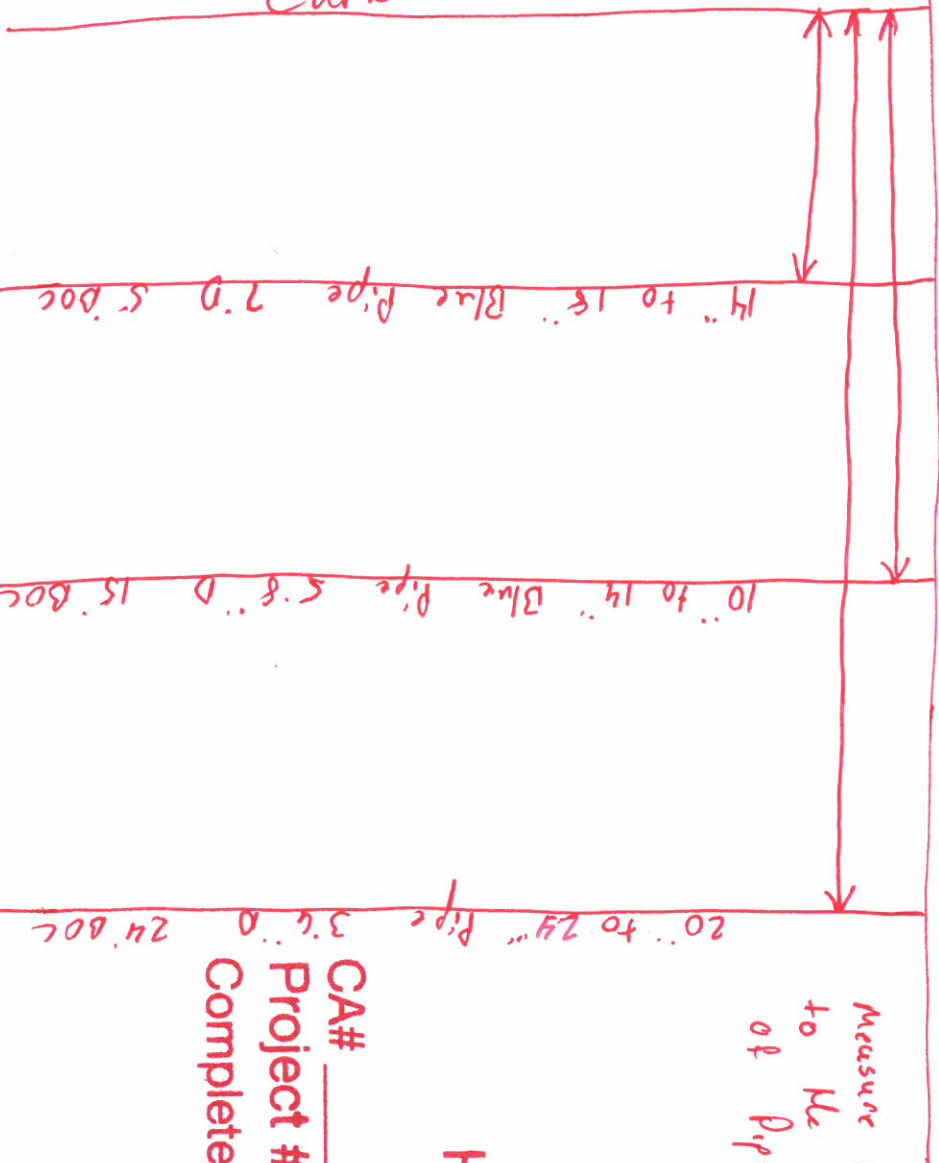
Heart Utilities of Jax  
Project as Built

CA# B5016

Project # 31528041

Complete 4 1 3 1 25

  
Project Manager



Sta 3



Pond

Silk Fence

Lift Station

Point Meadows

11' opening

Heart Utilities of Jax  
Project as Built

CA# B501L

Project # 31528091

Complete 4 / 3 / 25

  
Project Manager

23' from  
water pipe

18" to 20" Pipe 7' to 4'4"0

Curb

Business

20' Easement  
from Curb

Gate Pkwy

Heart Utilities of Jax  
Project as Built  
B35016

B5016

# 31528091

Complete 4 / 3 / 25

## Project Manager

## Point Meadows

## Culvers Drive Thru

Cultures

5/4

11' 8" from last utility  
to Culvers Buses

(Oak Tree) 1st floor  
Tree bc x  
no 50  
x0

Oak Tree

Red light  
Control Box

Red light  
Pole

cross walk

Cross walk

Culvers  
Sign

4 Pipes 5'0 14'6" Boc

Welter  
Dmeter

Water main 4" 11' doc

side walk

Grass

wekes meker

Carb

Grass

Five  
Hundred

60455



Sta 5

M/H will not fit

N  
W  
S

Parking Lot

Curb

2" Black pipe 4'10" 17'8" BOC

1/2" irrigation pipe 1'0" 11'8" BOC

Black Com line 2'0" 11' BOC

White 4" pipe 2'2" 9'6" BOC

Two Fibers 2'4" 4'7" BOC

Fiber 2'4" 3' BOC

Two Fiber pipes 2'1" 2'5" BOC

Curb

CA#

B5016

Project #

31528081

-Complete

3/18/25

Gate - Pkwy

Project Manager

Sta 6

Manhole may  
fit



Fence

13' Between last pipe found  
and fence dug down 9' deep  
at top of hill down to 8'  
Deep at bottom and found  
Nothing. But there is a  
mark at the top of the hill  
that we never found anything!

2" Black pipe 5'4" 36" BOC

3" Pipe 3'7" 32'9" BOC

4" Gray Pipe 3'6" 30'5" BOC

White 3" Irrigation 1'6" 30' BOC

Two Gray Pipes 3'7" 26'9" BOC

Water Main 3'7" 19'8" BOC

Fiber 2" 18' BOC

Sidewalk

grass median

curb

Gate Paving

Heart Utilities of Jax

Project as Built

CA#

B5016

Project #

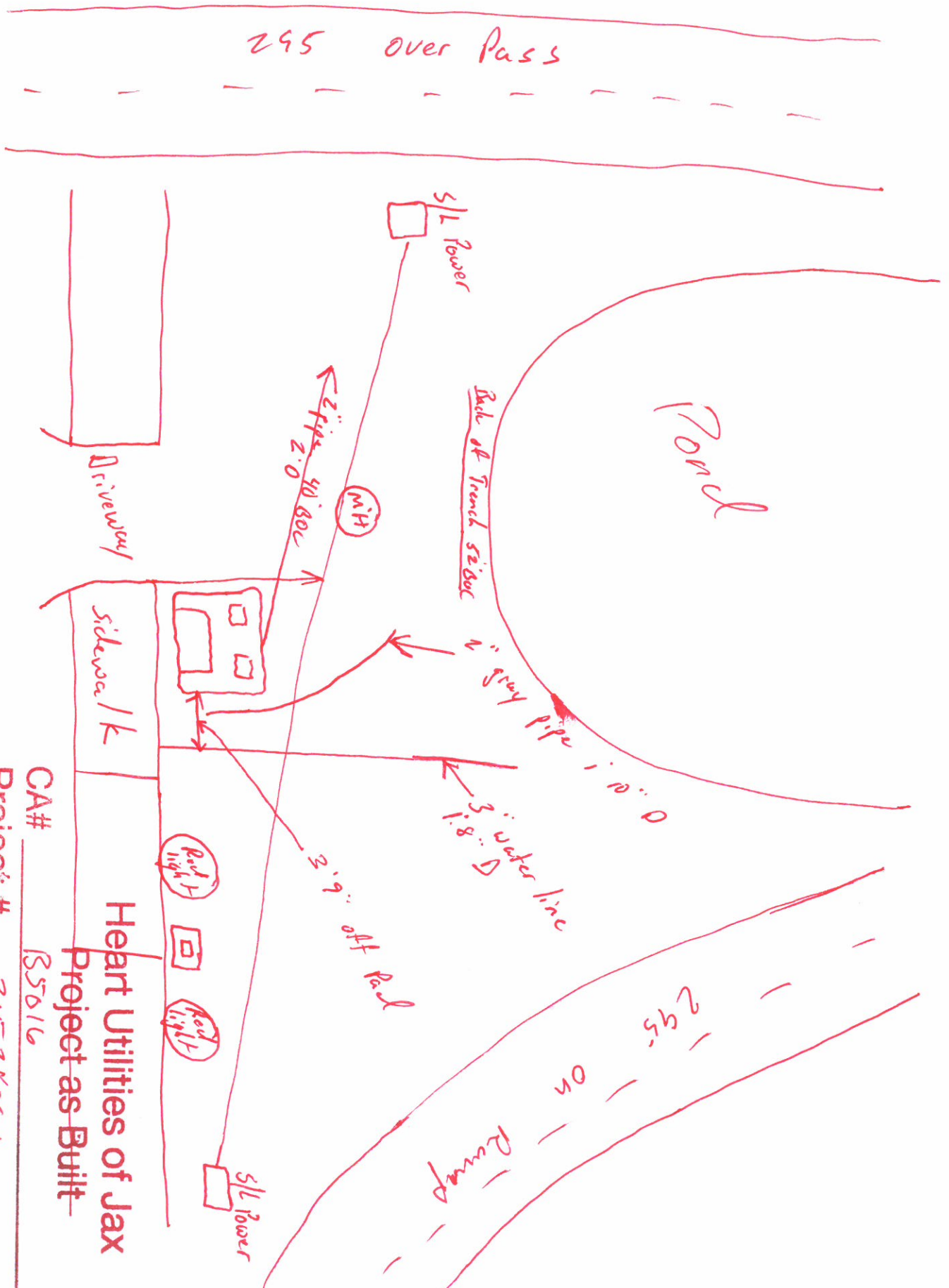
31528091

Complete

3 / 18 / 25

Project Manager

Sta 7



Heart Utilities of Jax  
Project as Built

CA# 135016

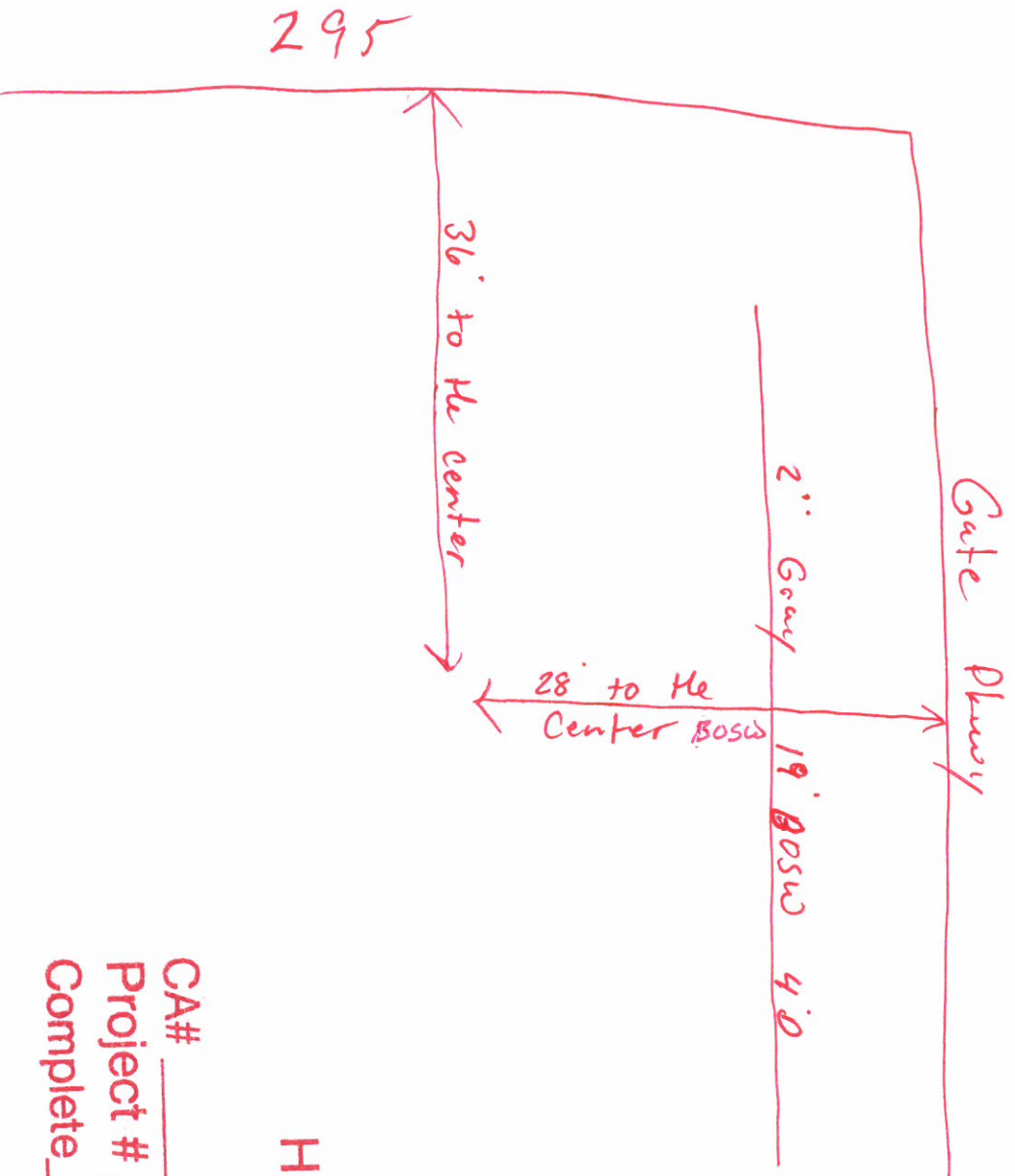
Project # 31528091

Complete 3 / 18 / 25

*[Signature]*  
Drawn by [Signature]

Sta 8 Manhole will fit

N  
↑ E  
W  
S



Heart Utilities of Jax  
Project as Built

CA#

135016

Project #

31528091

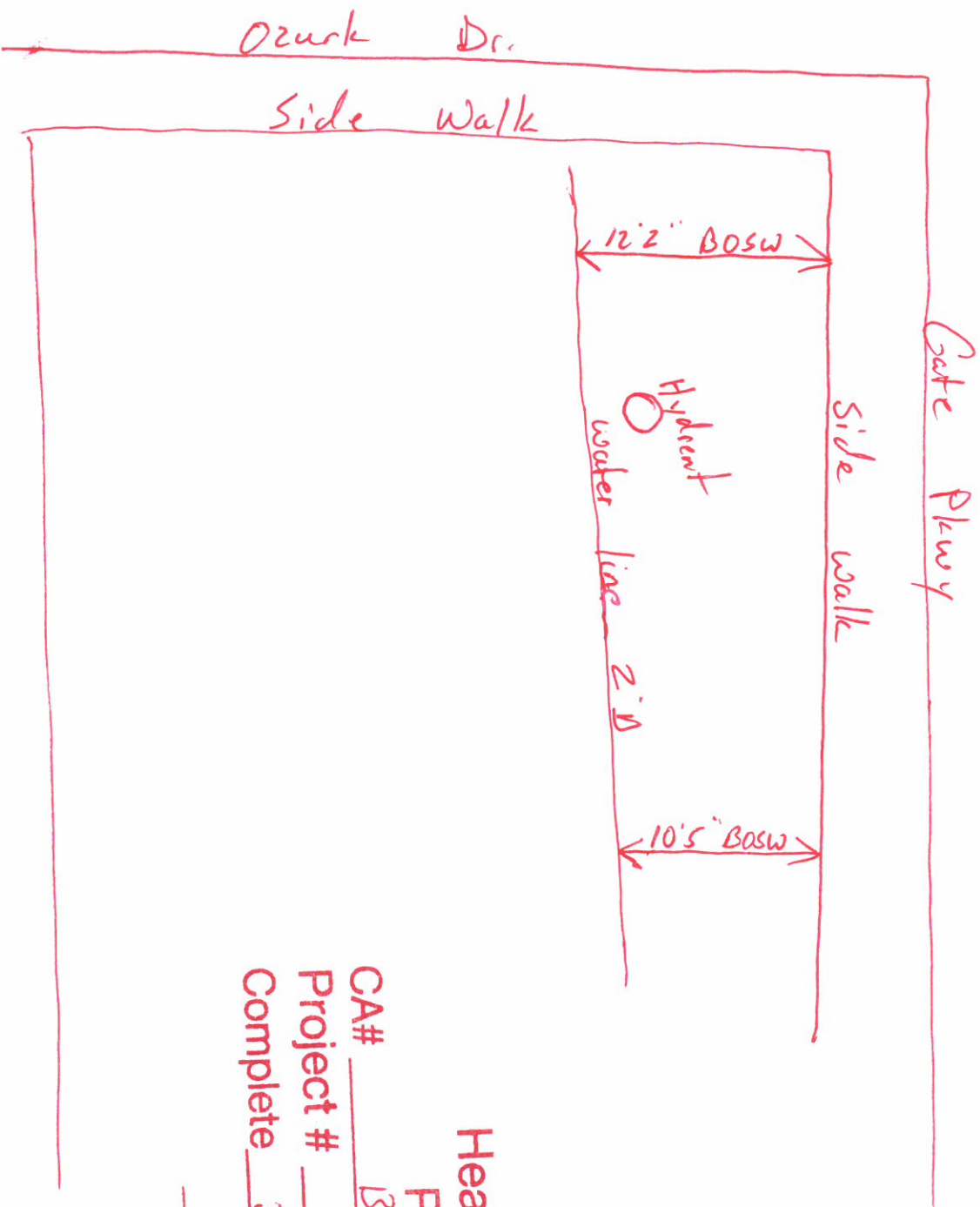
Complete

3 / 18 / 25

  
Project Manager



Sta 9 will fit



# Heart Utilities of Jax

Project as Built

CA# 35016

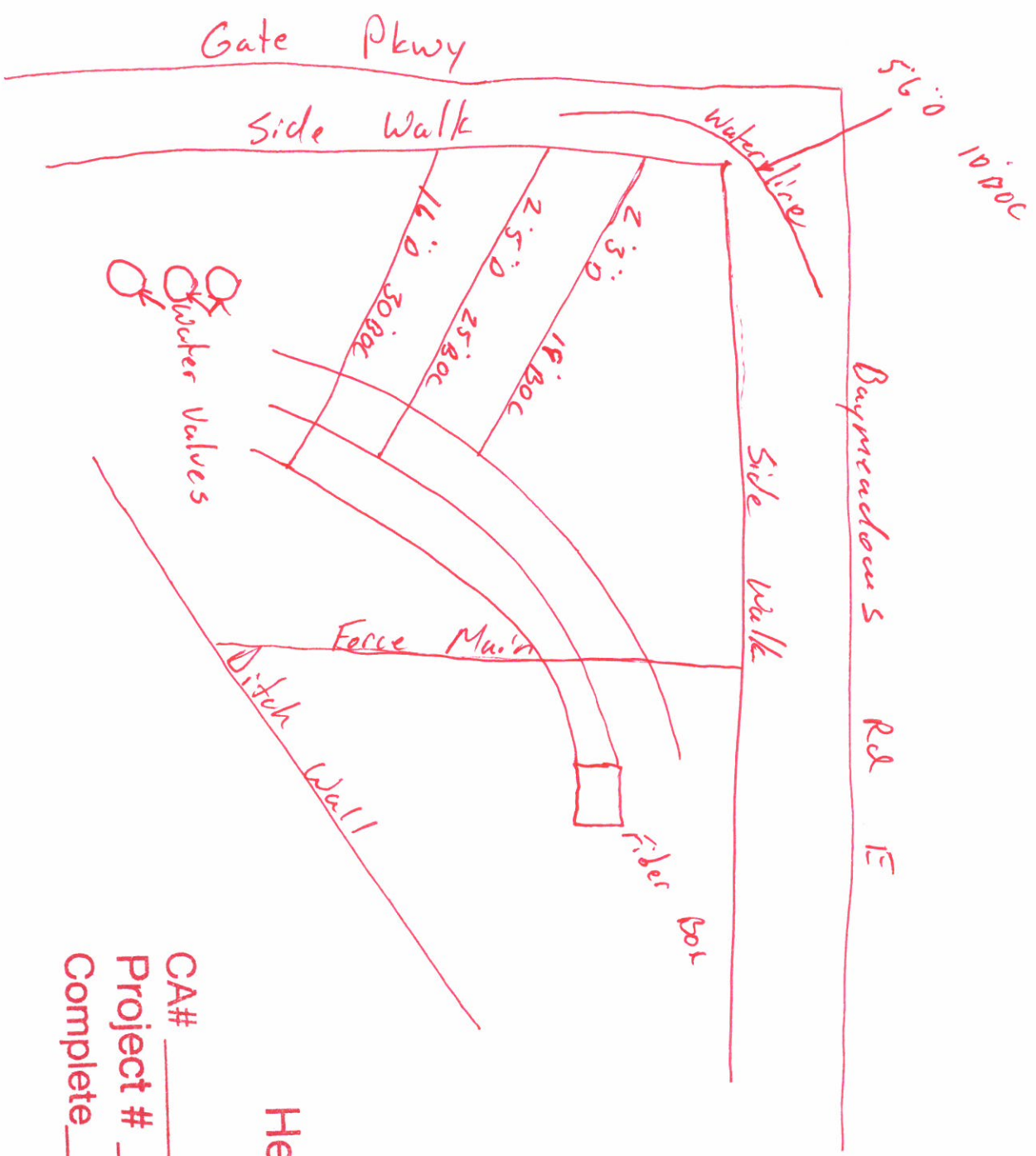
Project # 31528051

Complete 3/18/25

  
Project Manager



Sta 10 Pit will fit  
MH will not fit



# Heart Utilities of Jax Project as Built

CA# B5016  
Project # 31528041  
Complete 8/18/25

Project Manager



Gate Pkwy

Baymeadow Rd E

Sidewalk

Force Main 12" Back of Sidewalk 6'D

Fiber Marked 12' Back of Sidewalk (Did Not Find)



25' Back of Side Walk is Clear

Heart Utilities of Jax

Project as Built

CA#

B5047

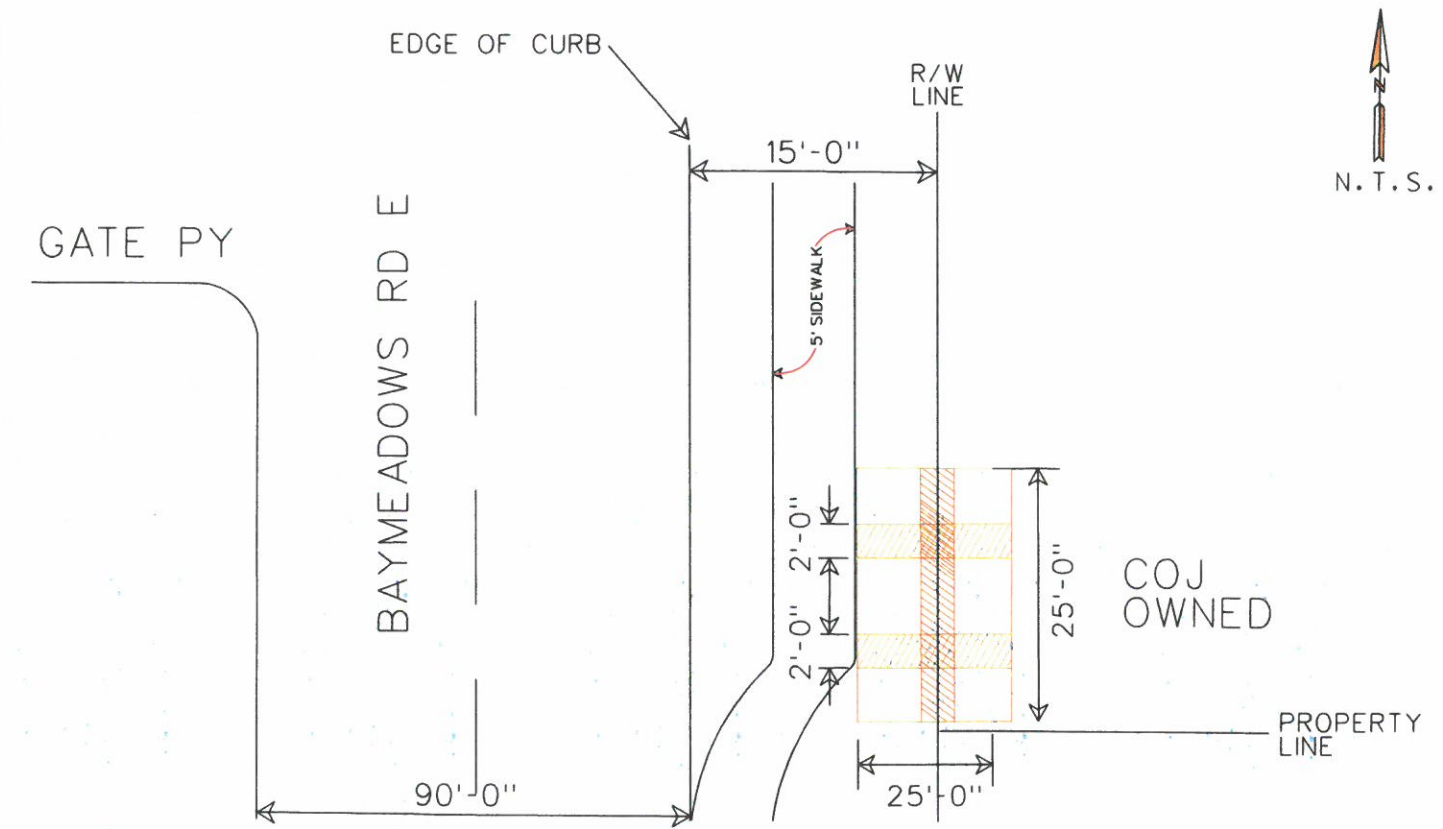
Project # 31633043

Complete 9 / 3 / 25

Project Manager

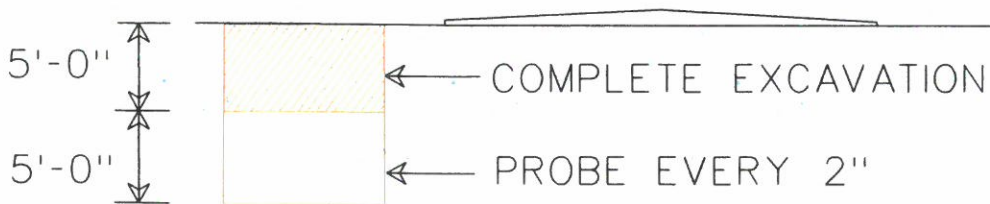


APPENDIX XXI  
TYPICAL EXPLORATORY EXCAVATION  
PAGE 1 OF 1



PLAN

GRADE



PROFILE

WMS PLATE 'EXC-2", QTY 2

Sta 1  
Gate Pkwy

Water line

Side Walk

5-2" Pipes

Baymeadows Rd E

side walk

23" 18 BOC  
25" 25 BOC  
16" 30 BOC

Water

Water

Fiber Box

9' Back of Ditch wall

Force Main

14' Back of Ditch wall

6'0" to the Bottom

4'0" to the Bottom

Ditch Wall

creek

# Heart Utilities of Jax Project as Built

CA# 135059

Project # 31660447

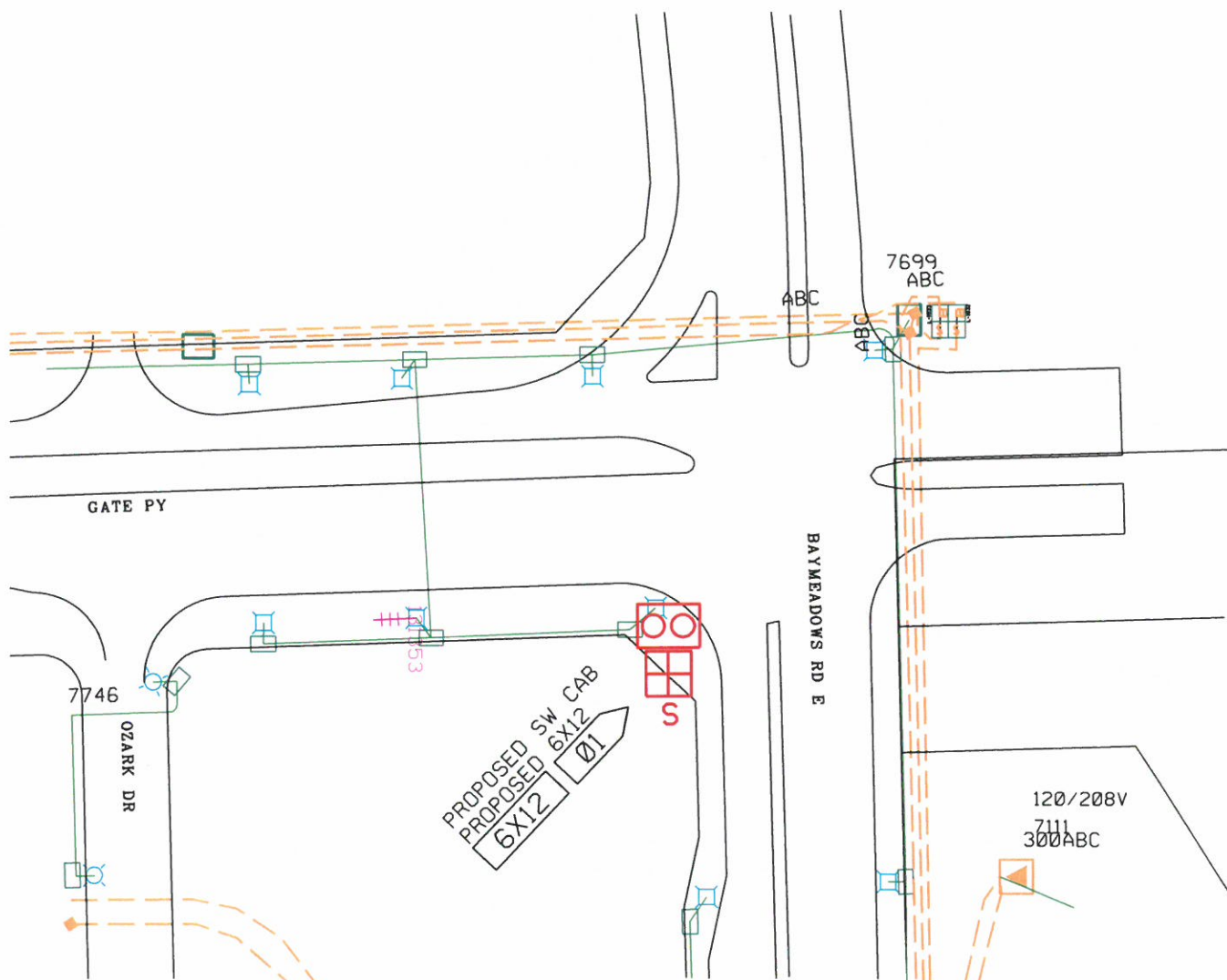
Complete 10 / 9 / 25

  
Project Manager



SUB-STA. POINTMEADOWS      CIR. NO. 230/231    OPN: 8010121      MWO: 31660447

See Attached



ENGINEER: B.MCMAHAN PHONE NO. 625-5307 CELL NO: \_\_\_\_\_ DATE REL CONST: 09/17/25  
CONST. COMPLETED BY \_\_\_\_\_ DATE \_\_\_\_\_ AS-BUILT RECEIVED \_\_\_\_\_

