# HAM CULVERTS FY2

## SEE SHEET 2 FOR LOCATION MAPS **LOCATION MAP**

## STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## HAM-CULVERTS-FY25

WHITEWATER, GREEN, AND ANDERSON TOWNSHIPS HAMILTON COUNTY

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### **DESIGN EXCEPTIONS**

NONE

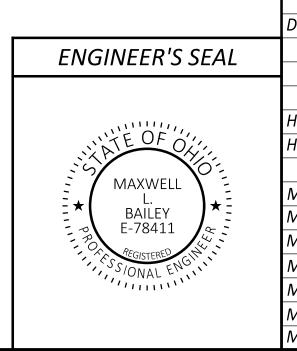
### ADA DESIGN WAIVERS

**NONE REQUIRED** 

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig Before You Dig OHIO811, 8-1-1, or 1-800-362-2764

(Non members must be called directly)

PLAN PREPARED BY: OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 8 - ENGINEERING



		ST	ANDARD	CONSTRUCT	TION E	<b>DRAWINGS</b>		EIVIENTAL FICATIONS	PROVISIONS	$\downarrow$
CB-5	7/16/21	MT-101.70	1/17/20				800-2023	7/19/24	WATERWAY	7
		MT-101.75	1/17/20				832	7/21/2	PERMITS	ŀ
DM-1.1	7/17/20	MT-101.90	7/17/20				899	1/20/23	CONDITIONS	ŀ
		MT-103.10	1/21/22					>	10/02/24	
	1/19/24	MT-105.10	1/17/20						mm	$\frac{1}{2}$
HW-1.1	7/20/18	RM-4.2	4/17/20							$\dashv$
HW-2.1	7/20/18		, ,							
MT-95.30	7/19/19									+
MT-95.45	1/17/20									1
MT-95.50	7/21/17									
MT-98.10	1/17/20									1
MT-98.11	1/17/20									1
MT-98.20	4/19/19									1
MT-98.21	1/17/20									

**SUPPLEMENTAL** 

**SPECIAL** 

FEDERAL PROJECT NUMBER

E240182

RAILROAD INVOLVEMENT

NONE

### PROJECT DESCRIPTION

REPLACEMENT OF BROKEN BACK PORTIONS OF CULVERTS AT HAM-275-0008 AND HAM-275-3730. PAVING OF INVERT AND REPLACING END SECTION OF HAM-74-1091 AND INSTALLATION OF HEADWALL AND INLET REPLACEMENT AT HAM-74-1095.

### EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: \*ACRES \*ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: \*ACRES NOTICE OF INTENT EARTH DISTURBED AREA: \*SEE INDIVIDUAL PLAN SHEETS AND DETAILS

### LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

### **2023 SPECIFICATIONS**

Tammy K. Campbell, P.E. District 08 Deputy Director

Jack Marchbanks, PhD

Director, Department of Transportation

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IIMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

ESIGN AGENCY



ESIGNER MLB

REVIEWER TRB 01-05-24 ROJECT ID 117316

### **WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

### CLEARING AND GRUBBING, AS PER PLAN

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING.

CONTRACTOR IS ONLY TO REMOVE WHAT IS NEEDED FOR CONSTRUCTION SITE ACCESS AND THE PROPOSED WORK AS SPECIFIED IN THESE PLAN DOCUMENTS. WHEN ON EXISTING EMBANKMENT AT 3:1 SLOPE OR GREATER, LEAVE 1' STUMP AND ROOTS IN PLACE AS NOT TO DESTABILIZE EMBANKMENT.

ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

### ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES
OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND
NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED
UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30.
ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1
THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO
AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED
BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES
OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR
DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN
DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND
SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

### SOLE SOURCE AQUIFER

THE HAM-275-0.060 PROJECT LOCATION IS WITHIN THE GREATER MIAMI SOLE SOURCE AQUIFER. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE VILLAGE OF CLEVES WATERWORKS *513-941-3490 OR THE HAMILTON COUNTY EMA 513-263-8200.* IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT WHITEWATER TOWNSHIP FIRE DEPARTMENT STATION 95 513-353-1518 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

### **SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL 365 GU. YD.
659, SEEDING AND MULCHING 3291 SQ. YD.
659, COMMERCIAL FERTILIZER 0.44 TON

659, LIME 0.68 ACRES 659, WATER 17.8 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

### COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN

COFFERDAMS AND EXCAVATION BRACING INSTALLED FOR THE PROJECT ARE FOR DEWATERING THE WORK AREA AND ARE CONSIDERED FILL. COFFERDAMS AND EXCAVATION BRACING DESIGN, CONSTRUCTION, AND REIMBURSEMENT FOR DAMAGE IS BASED ON CMS 503. THE CONTRACTOR MUST COMPLY WITH ANY IN-STREAM RESTRICTION IN THE SPECIAL PROVISIONS WATERWAY PERMIT. ADDING FILL TO THE STREAM TO DEWATER THE WORK AREA REQUIRES A TEMPORARY ACCESS FILL (TAF) SUBMISSION PER THE SPECIAL PROVISIONS.

IF THE CONTRACTOR CHOOSES TO IMPACT THE STREAM DURING THE MONTHS OF APRIL THROUGH OCTOBER: ALL REQUIREMENTS OF CMS 503 APPLY, UNLESS STIPULATED ELSEWHERE IN THIS NOTE.

IF THE CONTRACTOR CHOOSES TO IMPACT THE STREAM AT ANY TIME IN THE MONTHS OF NOVEMBER THROUGH MARCH: EVEN IF THE ACTUAL WATER ELEVATION EXCEEDS 3 FEET ABOVE THE STATED ORDINARY HIGH WATER MARK, THE DEPARTMENT WILL NOT REIMBURSE THE CONTRACTOR FOR RESULTING DAMAGE TO THE WORK PROTECTED BY THE COFFERDAM. ALL OTHER REQUIREMENTS OF CMS 503 APPLY.

DESIGN AGENCY



DESIGNER

MLB

REVIEWER

TRB 01-05-24

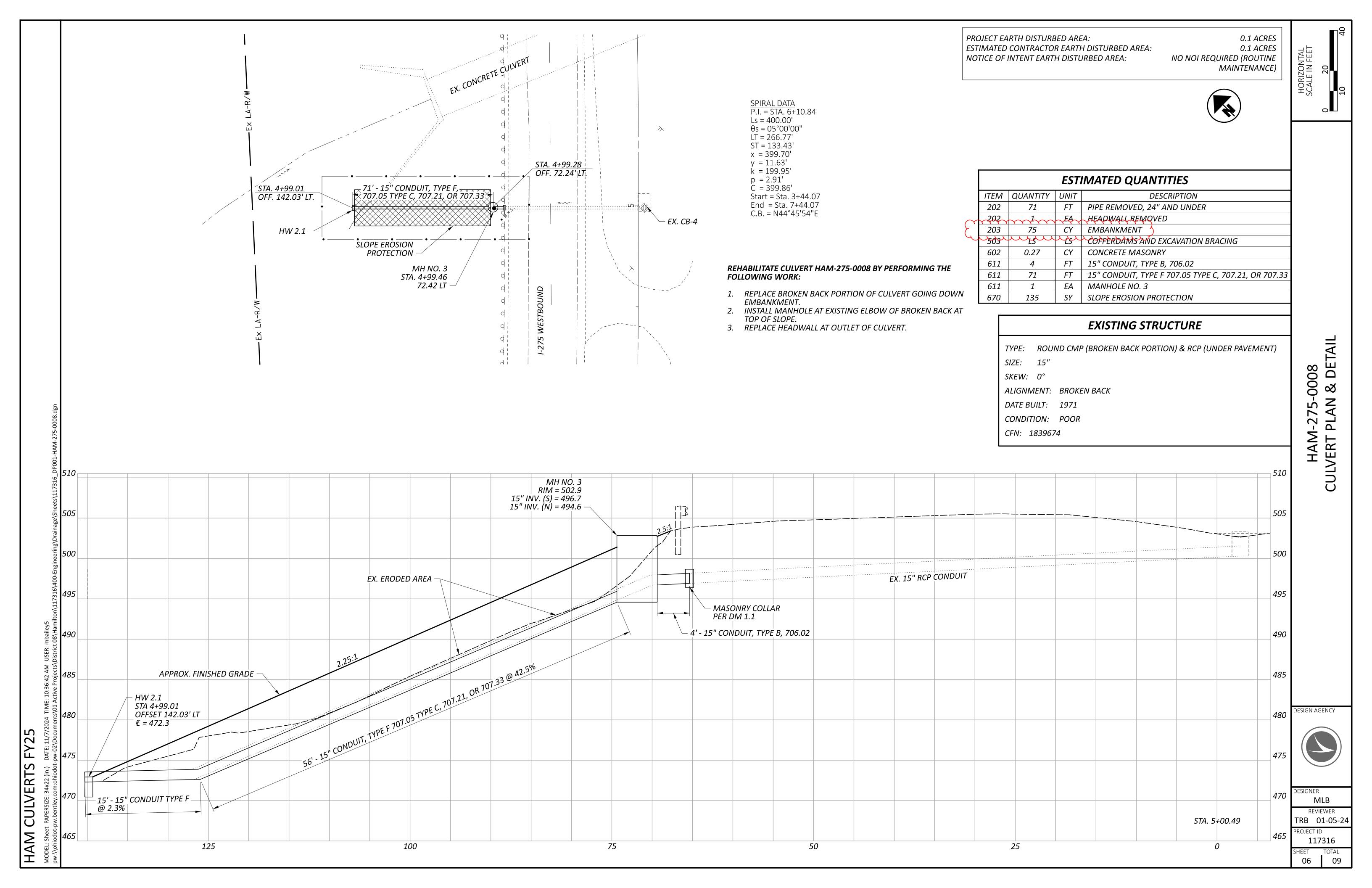
PROJECT ID

117316

SHEET TOTAL

03 09

AND MULCHING GIAL FERTILIZER  CONTROL  DRAINAGE  E MASONRY  -, NO. 3	PROTECTION, TYPE B WITH FILTER  MULCHING  ERTILIZER  ROL  DRAINAGE  SONRY	DRAINAGE  TYPE C, 707.21, OR 707.33	DRAINAGE  7.21, OR 707.33  7.21, OR 707.33  P	DRAINAGE  07.21, OR 707.33  07.21, OR 707.33
AND MULCHING CIAL FERTILIZER  CONTROL  DRAINAGE  E MASONRY	PROTECTION, TYPE B WITH FILTER  MULCHING  ERTILIZEB  ROL  DRAINAGE  SONRY  TYPE C, 707.33  TYPE B, 706.02  TYPE F, 707.05 TYPE C, 707.21, OR 707.33	DRAINAGE  DRAINAGE  TYPE C, 707.21, OR 707.33  TYPE C, 707.21, OR 707.33	DRAINAGE  7.21, OR 707.33  7.21, OR 707.33  P	DRAINAGE  D7.21, OR 707.33  D7.21, OR 707.33  MP  P07.65  MAINTENANCE OF TRAFFIC  -36" WIDE HAZARDS, (UNIDIRECTIONAL)
DRAINAGE	ГҮРЕ C, 707.21, OR 707.33	TYPE C, 707.21, OR 707.33  TYPE C, 707.21, OR 707.33	7.21, OR 707.33 7.21, OR 707.33 P	07.21, OR 707.33  07.21, OR 707.33  MP  O7.65  MAINTENANCE OF TRAFFIC  -36" WIDE HAZARDS, (UNIDIRECTIONAL)
	E C, 707.33 E B, 706.02 E F, 707.05 TYPE C, 707.21, OR 707.33	2 TYPE C, 707.21, OR 707.33 2 TYPE C, 707.21, OR 707.33 18"	7.21, OR 707.33 P D7.65	O7.21, OR 707.33  MP  O7.65  MAINTENANCE OF TRAFFIC  -36" WIDE HAZARDS, (UNIDIRECTIONAL)



CULVERTS

DETAIL

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PLAN

CULVERT

DESIGN AGENCY

DESIGNER

ROJECT ID

MLB REVIEWER TRB 01-05-24

117316

07 09

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# FT | 18" CONDUIT, TYPE F, 707.05 TYPE C, 707.21, OR 707.33

