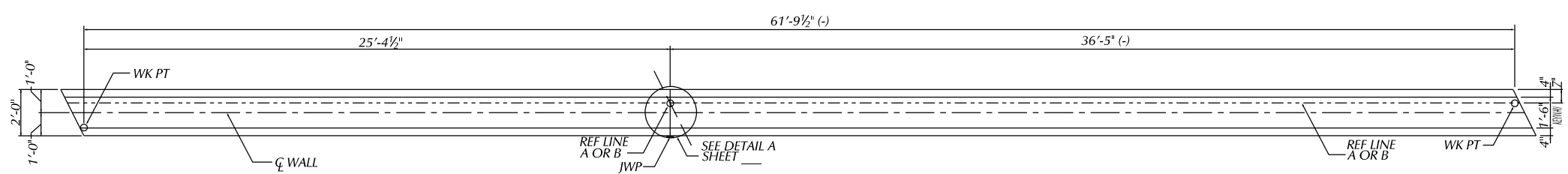


MISCELLANEOUS QUANTITIES

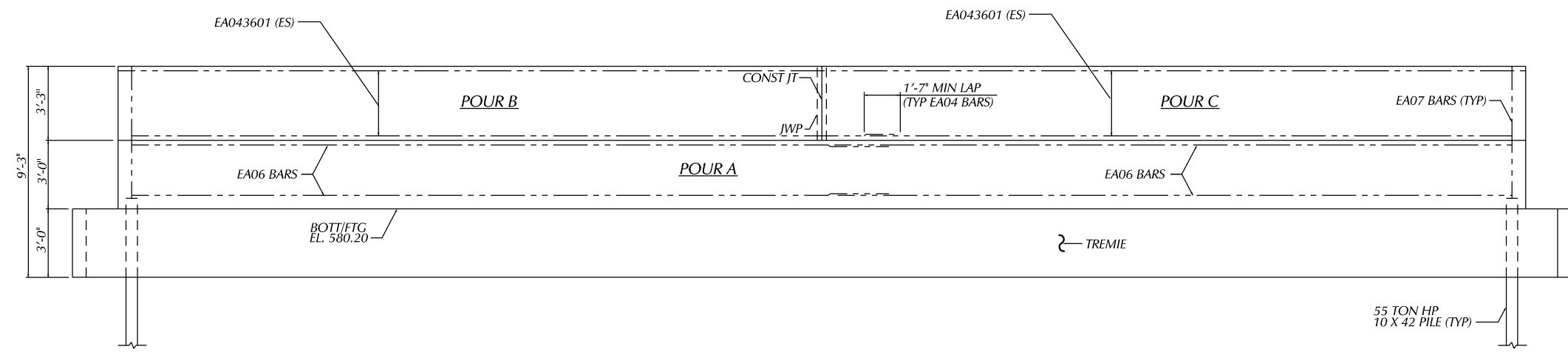
WALL A	WALL B	TOTAL	
36	36	158 CYD	CONC. GRADE T
—	—	171 CYD	SUBSTRUCTURE CONC.
—	—	14610 LB	REINFORCEMENT STEEL, EPOXY COATED
28	28	56 SFT	JOINT WATERPROOFING

SUBSTRUCTURE CONCRETE QUANTITIES

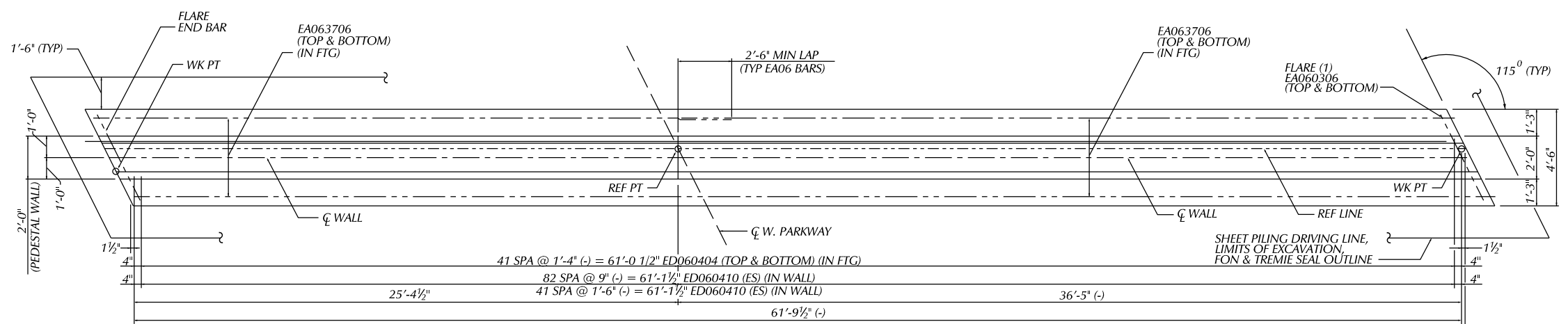
POUR	FTG A	FTG B
A	32.2	32.2
B	18	18
C	17.3	17.3
D	18	18



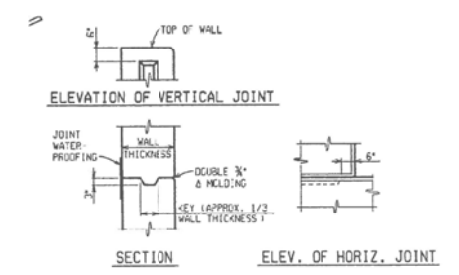
PLAN OF PEDESTAL WALL



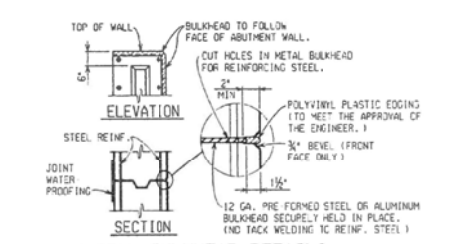
ELEVATION - PEDESTAL WALL



PLAN OF FOOTINGS
(FTG A SHOWN, FTG B OPPOSITE)



CONSTRUCTION JOINT DETAILS
NOTE: WHERE OPTIONAL CONSTRUCTION JOINTS ARE USED, THERE WILL BE NO PAYMENT FOR THE REQUIRED JOINT WATERPROOFING.



METAL BULKHEAD DETAILS
NOTES: METAL BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT AT CONTRACTOR'S EXPENSE. CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

NOTES:

- THE SUBSTRUCTURE DESIGN IS BASED ON A FACTORED MAXIMUM VERTICAL LOAD OF 20 KIPS/FT AND A HORIZONTAL LOAD OF 8 KIPS/FT.
- JWP DENOTES JOINT WATERPROOFING.
- FOR PILE QUANTITIES, LAYOUT AND NOTES, SEE SHEET ____.
- LOW TEMPERATURE PROTECTION OF CONCRETE SHALL BE APPLIED ACCORDING TO SECTION 706.03) OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- LOW TEMPERATURE PROTECTION OF CONCRETE WILL NOT PAID FOR SEPARATELY BUT WILL INCLUDED IN THE BID ITEM FOR "SUBSTRUCTURE CONC" AND "CONCRETE GRADE T".

<table border="1"> <tr> <td>BY</td> <td>CHECKED BY</td> <td>APPROVED</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		BY	CHECKED BY	APPROVED				<p>CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAUS OF STREETS AND HIGHWAYS FOR</p>	<p>WEST PARKWAY CULVERT OVER ROUGE RIVER</p>	SHEET OF SHEETS
BY	CHECKED BY	APPROVED								
<table border="1"> <tr> <td>DESCRIPTION</td> <td>DR</td> <td>CHK</td> <td>DATE</td> </tr> <tr> <td>REVISIONS</td> <td></td> <td></td> <td></td> </tr> </table>		DESCRIPTION	DR	CHK	DATE	REVISIONS				CONTRACT NO.
DESCRIPTION	DR	CHK	DATE							
REVISIONS										
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				DATE						