

GENERAL NOTES

ITEM 202 MANHOLE AND CATCH BASIN ABANDONED, AS PER PLAN

THIS WORK SHALL MEET THE REQUIREMENTS OF ITEM 202 WITH THE FOLLOWING EXCEPTIONS:

1. THE CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY THE CITY OF PAINESVILLE FORCES.
2. EXISTING PIPES SHALL BE CONNECTED THROUGH THE STRUCTURES WITH NEW PIPE OF A TYPE AND IN A MANNER ACCEPTABLE TO THE ENGINEER. COST OF PIPE TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PERTINENT 202 ITEM.
3. THE REMAINING CAVITIES SHALL BE BACKFILLED WITH ITEM SPECIAL LOW STRENGTH MORTAR BACKFILL MATERIAL, CLASS LSM-50 (SEE SHEET 9A).
4. PAVEMENT REPAIR SHALL BE AS SHOWN IN THE REPAIR OF PAVEMENT TRENCH OPENING DETAIL ON SHEET 20. COST OF ITEM 202 PAVEMENT REMOVED AND ITEM 301 BITUMINOUS AGGREGATE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PERTINENT 202 ITEM.

ADDITIONAL DRAINAGE FACILITIES

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY AND ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR PERMANENTLY COLLECTING AND DIVERTING STORM DRAINAGE FROM ADJACENT LOW LYING AREAS TO THE STORM DRAINAGE SYSTEM.

ITEM	DESCRIPTION	QUANTITY
603	12" CONDUIT, TYPE B, 706.01 OR 706.02, AS PER PLAN	100 LIN. FT.
603	12" CONDUIT, TYPE C, 706.01 OR 706.02	100 LIN. FT.
604	INLET, NO. 1	2 EACH

NONE OF THE ABOVE QUANTITIES SHALL BE ORDERED BY THE CONTRACTOR UNLESS DIRECTED BY THE ENGINEER. IN THE EVENT NO ADDITIONAL DRAINAGE FACILITIES ARE REQUIRED, THE ITEMS SHALL BE NON-PERFORMED.

MANHOLE COVERS AND FRAMES

ALL MANHOLE COVERS AND FRAMES FURNISHED BY THE CONTRACTOR FOR NEW MANHOLES, MANHOLES ADJUSTED OR RECONSTRUCTED TO GRADE, OR REPLACEMENT OF EXISTING COVERS AND FRAMES, SHALL BE NEENAH R1782, EAST JORDAN IRON WORKS 1710, OR AN APPROVED EQUAL UNLESS SPECIFIED OTHERWISE IN PLANS.

MANHOLES, CATCH BASINS AND MONUMENT BOXES ADJUSTED TO GRADE, AS PER PLAN AND VALVE BOXES AND WATER METER CHAMBERS ADJUSTED TO GRADE

ALL CASTINGS, EXCEPT THOSE BY PRIVATE COMPANIES, SHALL BE ADJUSTED BY THE CONTRACTOR. METAL ADJUSTING RINGS OR CASTINGS ARE NOT ACCEPTABLE FOR THIS PROJECT FOR ADJUSTING MANHOLES, CATCH BASINS OR MONUMENT BOXES. CATCH BASINS SHALL BE ADJUSTED TO PROVIDE A 1/2 INCH LOCAL DEPRESSION. THE TIME BETWEEN ADJUSTING THE CASTING AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. SEE SHEET 20 FOR THE DETAIL FOR ITEM 814 WATER WORK, MISC: WATER METER CHAMBER ADJUSTED TO GRADE. IN ADDITION TO THE QUANTITIES SHOWN ON SHEETS 21 THROUGH 36, THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO PERFORM THIS WORK:

ITEM	DESCRIPTION	QUANTITY
638	VALVE BOX ADJUSTED TO GRADE	71 EACH
638	WATER WORK, MISC: WATER METER CHAMBER ADJUSTED TO GRADE	93 EACH

ITEM SPECIAL - ABANDON MISCELLANEOUS: FLUSH HOLE

THIS WORK SHALL CONSIST OF ABANDONING EXISTING SANITARY SEWER FLUSH HOLES LOCATED WITHIN THE PAVEMENT LIMITS. FLUSH HOLES SHALL BE INTACT, COVERED AND UNDAMAGED BY THE CONTRACTOR AND SHALL BE ABANDONED BY PAVING OVER THEM WITH THE SPECIFIED ASPHALT OVERLAY SHOWN IN THE TYPICAL SECTIONS. LOCATIONS OF FLUSH HOLES ABANDONED ARE SHOWN ON SHEETS 21 THROUGH 36.

ITEM SPECIAL MISCELLANEOUS METAL

EXISTING CASTINGS, INCLUDING WATER VALVE BOXES, MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER, DURING THE CONSTRUCTION OF THIS PROJECT. TO PROVIDE FOR THIS CONTINGENCY, AN ESTIMATED QUANTITY OF THE FOLLOWING HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIALS ARE TO MEET ITEM 604 SPECIFICATIONS AND THE PRIOR APPROVAL OF THE ENGINEER.

ALL EXISTING MANHOLE FRAMES AND COVERS ARE TO BE REPLACED BY THE CONTRACTOR. IN ADDITION, ALL EXISTING CASTINGS WITHIN THE PAVEMENT LIMITS ARE TO BE REPLACED. HEAVY DUTY COVERS ARE REQUIRED ON ALL VALVE BOXES SUBJECT TO TRAFFIC. LIDS SHALL BE STAMPED APPROPRIATELY WITH SANITARY, STORM OR WATER DESIGNATIONS AS REQUIRED BY THE CITY.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM	DESCRIPTION	QUANTITY
SPECIAL	MISCELLANEOUS METAL	37,400 LBS.

EXISTING CASTINGS SHALL BE STOCKPILED FOR PICK-UP BY THE CITY OF PAINESVILLE FORCES. THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS BY THE CONTRACTOR, AT NO EXPENSE TO THE STATE. THE CONTRACTOR SHALL NOT ORDER ANY OF THE ABOVE CASTINGS UNTIL DIRECTED BY THE ENGINEER. ALL CASTINGS PROVIDED BY THE CONTRACTOR SHALL BE BICYCLE SAFE.

ITEM 604 MANHOLE, CATCH BASIN AND INLET RECONSTRUCTED TO GRADE, AS PER PLAN

THE CONTRACTOR AND THE PROJECT ENGINEER SHALL FIELD CHECK ALL EXISTING MANHOLES, CATCH BASINS AND INLETS LOCATED WITHIN THE LIMITS OF THE PROJECT. ANY MANHOLE, CATCH BASIN OR INLET FOUND THAT EXHIBITS SUBSTANTIAL DETERIORATION AND REQUIRES MORE WORK THAN IS SPECIFIED UNDER CASTINGS ADJUSTED TO GRADE, SHALL BE RECONSTRUCTED TO GRADE AS DIRECTED BY THE ENGINEER. BACKFILL MATERIAL SHALL BE ITEM SPECIAL LOW STRENGTH MORTAR BACKFILL MATERIAL, CLASS LSM-50 AS DESCRIBED IN THE NOTE FOR ITEM 604 MANHOLE AND CATCH BASIN, AS PER PLAN. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO PROVIDE FOR THIS CONTINGENCY:

ITEM	DESCRIPTION	QUANTITY
604	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	4 EACH
604	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	2 EACH

NONE OF THE ABOVE QUANTITIES SHALL BE ORDERED BY THE CONTRACTOR UNLESS DIRECTED BY THE ENGINEER. IN THE EVENT NO ADDITIONAL DRAINAGE FACILITIES ARE REQUIRED, THE ITEMS SHALL BE NON-PERFORMED.

REMOVAL MISCELLANEOUS: COMMERCIAL SIGN, TYPE A, B OR C

THIS WORK SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF THE COMMERCIAL SIGNS AND ANY ASSOCIATED APPURTENANCES, INCLUDING, BUT NOT LIMITED TO, LIGHTING FIXTURES, ELECTRIC WIRING, FOUNDATIONS, ETC., LOCATED WITHIN THE RIGHT-OF-WAY AND AS SHOWN ON PLAN SHEETS 27 AND 29.

ALL FOUNDATIONS SHALL BE REMOVED TO A MINIMUM OF ONE FOOT BELOW THE FINISHED SUBGRADE OR GROUND SURFACE. WOOD POSTS SHALL BE REMOVED FOR THEIR ENTIRE LENGTHS.

THE CONTRACTOR SHALL NOTIFY THE PAINESVILLE CITY ENGINEER ONE WEEK PRIOR TO SIGN REMOVAL. WHERE NECESSARY, THE PAINESVILLE CITY ENGINEER SHALL COORDINATE WITH THE PROPERTY OWNER FOR POWER SHUT-OFF TO THE SIGN. ALL ELECTRICAL WIRING SHALL BE REMOVED TO THE RIGHT-OF-WAY LINE. WIRE ENDS SHALL BE ADEQUATELY CAPPED AND TAPED AND PLACED IN A WEATHERPROOF JUNCTION BOX A MINIMUM OF ONE FOOT BELOW THE GROUND SURFACE.

PAYMENT FOR THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM SPECIAL REMOVAL MISCELLANEOUS: COMMERCIAL SIGN, TYPE A, B OR C.

HOUSE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS, DISTURBED BY THE PROPOSED WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN OR THROUGH THE CURB.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM	DESCRIPTION	QUANTITY
603	4" CONDUIT, TYPE E, 707.19 P.S. 46 MIN.	200 LIN.FT.
603	6" CONDUIT, TYPE B, 706.08	200 LIN.FT.
603	6" CONDUIT, TYPE E, 707.19 P.S. 46 MIN. OR 706.08	200 LIN.FT.
603	6" CONDUIT, TYPE F, 707.17 NONPERFORATED, ASTM D-3034 SDR35, SS931 OR SS944	200 LIN.FT.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

UNRECORDED SANITARY CONNECTIONS

ANY UNRECORDED ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SEWER, AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM	DESCRIPTION	QUANTITY
603	6" CONDUIT, TYPE B, 706.08 WITH JOINTS AS PER 706.12	100 LIN. FT.
603	6" CONDUIT, TYPE C, 706.08 WITH JOINTS AS PER 706.12	100 LIN. FT.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

WATER SERVICE RELOCATION

THE ESTIMATED QUANTITIES OF THE WATER SERVICES PROVIDED BELOW ARE TO BE USED WHEN NECESSARY AS DIRECTED BY THE ENGINEER:

ITEM	DESCRIPTION	QUANTITY
638	1" COPPER SERVICE BRANCH	200 LIN. FT.
638	3/4" COPPER SERVICE BRANCH	200 LIN. FT.
638	SERVICE STOP AND SERVICE BOX	20 EACH
	REMOVED AND RESET	
638	SERVICE BOX ADJUSTED TO GRADE	20 EACH

THE CONTRACTOR SHALL NOT ORDER ANY OF THE ABOVE MATERIALS UNTIL DIRECTED BY THE ENGINEER. IN THE EVENT NO WATER SERVICE RELOCATION IS DEEMED NECESSARY, THE ABOVE ITEMS SHALL BE NON-PERFORMED.

EROSION CONTROL

ITEM 660 IS PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE SHALL NOT BE REMOVED IN ORDER TO PLACE THIS ITEM AND TURF OF A STABLE NATURE SHALL NOT BE REMOVED IN ORDER TO PLACE 660. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES OF THIS ITEM WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION. IN ADDITION, THIS ITEM SHALL MEET THE REQUIREMENT OF 108.04.