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CROSS SECTIONS - RAMP W-8 472-477 MISCELLANEOUS DETAILS WALL 6 1647-1654 PLAN AND PROFILE - RAMP W-9 478-482 REMOVAL PLANS 726-733,733A,734-787 WALL 7 1655-1669 CROSS SECTIONS - RAMP W-9 483-489 EXISTING S. MAIN ST. PLANS 788-792 WALL 8 1670-1673 PLAN AND PROFILE - S. MAIN ST. 490-504 GRADING DETAILS 793-794 WALL 9 1674-1684 CROSS SECTIONS - S. MAIN ST. 505-533 PAVEMENT JOINT DETAILS 795-804 WALL 10 1685-1696 PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL II 1697-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - CARRGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-566 STORM AND SANITARY SEWER PROFILES 969- PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	CROSS SECTIONS - RAMP W-7	460-466	INTERSECTION DETAILS	683-698	WALL 4	1634-1638
PLAN AND PROFILE - RAMP W-9 478-482 REMOVAL PLANS 726-733,733A,734-787 WALL 7 1655-1669 CROSS SECTIONS - RAMP W-9 483-489 EXISTING S. MAIN ST. PLANS 788-792 WALL 8 1670-1673 PLAN AND PROFILE - S. MAIN ST. 490-504 GRADING DETAILS 793-794 WALL 19 1644-1684 CROSS SECTIONS - S. MAIN ST. 505-533 PAVEMENT JOINT DETAILS 795-804 WALL 10 1697-1698 PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL II 1699-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 557-566 STORM AND SANITARY SEWER PROFILES 956-968 STORM AND PROFILE - E. SOUTH ST. ** SHEET 1128 NOT USED PLAN AND PROFILE - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 970-977 ** SHEET 1128 NOT USED	PLAN AND PROFILE - RAMP W-8	467-471	DRIVE DETAILS	<i>699-725</i>	WALL 5	1639-1646
CROSS SECTIONS - RAMP W-9 483-489 EXISTING S. MAIN ST. PLANS 788-792 WALL 8 1670-1673 PLAN AND PROFILE - S. MAIN ST. 490-504 GRADING DETAILS 793-794 WALL 9 1674-1684 CROSS SECTIONS - S. MAIN ST. 505-533 PAVEMENT JOINT DETAILS 795-804 WALL 10 1685-1696 PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL II 1697-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1699-1720 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 566-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	CROSS SECTIONS - RAMP W-8	472-477	MISCELLANEOUS DETAILS		WALL 6	1647-1654
PLAN AND PROFILE - S. MAIN ST. 490-504 GRADING DETAILS 793-794 WALL 9 1674-1684 CROSS SECTIONS - S. MAIN ST. 505-533 PAVEMENT JOINT DETAILS 795-804 WALL 10 1685-1696 PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL 11 1697-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 * SHEET 1128 NOT USED	PLAN AND PROFILE - RAMP W-9	478-482	REMOVAL PLANS	726-733,733A,734-787	WALL 7	1655-1669
CROSS SECTIONS - S. MAIN ST. 505-533 PAVEMENT JOINT DETAILS 795-804 WALL IO 1685-1696 PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL II 1697-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	CROSS SECTIONS - RAMP W-9	483-489	EXISTING S. MAIN ST. PLANS	788-792	WALL 8	1670-1673
PLAN AND PROFILE - S. HIGH ST. 534-536 NOISE BARRIERS 805-839 WALL II 1697-1698 CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	PLAN AND PROFILE - S. MAIN ST.	490-504	GRADING DETAILS	793-794	WALL 9	1674-1684
CROSS SECTIONS - S. HIGH ST. 537-542 ROUNDABOUT AND SPLITTER ISLAND DETAILS 840-842 FENCE PLAN 1699-1720 PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 * SHEET 1128 NOT USED	CROSS SECTIONS - S. MAIN ST.	<i>505-533</i>	PAVEMENT JOINT DETAILS	795-804	WALL 10	1685-1696
PLAN AND PROFILE - GARAGE DRIVE 543-547 ROADWAY MISCELLANEOUS AS PER PLAN 843-851 RIGHT OF WAY PLANS 1721-1822 CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 * SHEET 1128 NOT USED	PLAN AND PROFILE - S. HIGH ST.	<i>534-536</i>	NOISE BARRIERS	805-839	WALL 11	1697-1698
CROSS SECTIONS - GARAGE DRIVE 548-552 DRAINAGE PLAN AND PROFILES 852-955 SOIL PROFILE SHEETS PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	CROSS SECTIONS - S. HIGH ST.	<i>537-542</i>	ROUNDABOUT AND SPLITTER ISLAND DETAILS	840-842	FENCE PLAN	1699-1720
PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR 553-556 STORM AND SANITARY SEWER PROFILES 956-968 CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	PLAN AND PROFILE - GARAGE DRIVE	<i>543-547</i>	ROADWAY MISCELLANEOUS AS PER PLAN	843-851	RIGHT OF WAY PLANS	1721-1822
CROSS SECTIONS - MAIN-BROADWAY CONNECTOR 557-564 CULVERT DETAILS 969 PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	CROSS SECTIONS - GARAGE DRIVE	<i>548-552</i>	DRAINAGE PLAN AND PROFILES	<i>852-955</i>	SOIL PROFILE SHEETS	
PLAN AND PROFILE - E. SOUTH ST. 565-570 DRAINAGE AND SANITARY DETAILS 970-977 CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 ** SHEET 1128 NOT USED	PLAN AND PROFILE - MAIN-BROADWAY CONNECTOR	<i>553-556</i>	STORM AND SANITARY SEWER PROFILES	956-968		
CROSS SECTIONS - E. SOUTH ST. 571-580 SANITARY SEWER PLAN AND PROFILES 978-992 { * SHEET 1128 NOT USED }	CROSS SECTIONS - MAIN-BROADWAY CONNECTOR	557-564	CULVERT DETAILS	969		
	PLAN AND PROFILE - E. SOUTH ST.	<i>565-570</i>	DRAINAGE AND SANITARY DETAILS	970-977		
	CROSS SECTIONS - E. SOUTH ST.	<i>571-580</i>	SANITARY SEWER PLAN AND PROFILES	978-992	{ * SHEET 1128 NOT USED }	

KMK 4/29/16 REMOVAL OF SHEET 1128

REV.BY DATE DESCRIPTION

DATE COMPLETED



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SANITARY SEWERS

ALL SEWER WORK ITEMS AND CONSTRUCTION SHALL CONFORM TO ODOT ITEM 611 AND THE CITY OF AKRON (COA) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), ITEMS CONTAINED WITHIN CITY OF AKRON SECTION 550, PIPE CULVERTS, SEWERS AND DRAINS (AND ALL APPLICABLE SUB-SECTIONS). WHERE THERE IS CONTRADICTION, THE COA SPEC. WILL TAKE PRECEDENCE. THE CONTRACTOR SHALL HAVE A COPY OF THE CURRENT EDITION OF THE CITY OF AKRON CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) ON SITE FOR REFERENCE AT ALL TIMES DURING CONSTRUCTION. IF THE CONTRACTOR DOES NOT HAVE A COPY OF THE CURRENT EDITION OF THE CITY OF AKRON CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), THE CONTRACTOR SHALL PURCHASE A COPY OF THE CITY OF AKRON CMS. THE PURCHASE OF THE CITY OF AKRON CMS. SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE CONTRACT PRICE FOR ODOT ITEM 611 - CONDUIT, MISC.: "_" INCH SANITARY SEWER, 707.20, CLASS "NE" BEDDING (L.F.). SECTIONS OF THE COA SPEC. HAVE BEEN INCLUDED IN THE GENERAL NOTES WITH THE FOLLOWING MODIFICATIONS:

- 1. BASIS OF PAYMENT FOR CITY OF AKRON ITEM 557 -SANITARY SEWERS WILL BE ODOT ITEM 611 - CONDUIT, MISC.: __ INCH SANITARY SEWER, _____, CLASS "__" BEDDING (FT.).
- 2. BASIS OF PAYMENT FOR CITY OF AKRON ITEM 560 -LATERALS AND STACKS WILL BE ODOT ITEM 611 -CONDUIT, MISC.: __ INCH _____ LATERAL, _____
- 3. CITY OF AKRON ITEM 561 SPECIAL FITTINGS WHICH INCLUDES Y-BRANCHES, T-BRANCHES, STUBS, SLANTS, BENDS, FLAP GATES, FRAMES AND COVERS, SPECIAL ADAPTERS OR COUPLERS AND ALL ITEMS NOT SPECIFICALLY CALLED OUT IN THE PLANS WILL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE CONTRACT PRICES FOR ODOT ITEM 611 CONDUIT, MISC.: "_" INCH SANITARY SEWER, 707.20, CLASS "NR" BEDDING (FT.) AND ODOT ITEM 611 CONDUIT, MISC.: "_" INCH SANITARY SEWER, CLASS "B" BEDDING (FT.).

ITEM 611 - MANHOLE, NO. 2, SANITARY, AS PER PLAN
ITEM 611 - MANHOLE, NO. 3, SANITARY, AS PER PLAN
ITEM 611 - MANHOLE, NO. 5, SANITARY, AS PER PLAN
ITEM 611 - MANHOLE ADJUSTED TO GRADE, SANITARY, AS PER
PLAN
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, SANITARY, AS
PER PLAN

ALL SANITARY SEWER MANHOLE CONSTRUCTION, ADJUSTMENT AND RECONSTRUCTION SHALL CONFORM TO ODOT ITEM 611, ODOT STANDARD CONSTRUCTION DRAWINGS MH-1.2, MH-1.3 AND MH-3.1 (DROP PIPE DETAILS), AND THE CITY OF AKRON (COA) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), ITEMS CONTAINED WITHIN SECTION 562 MANHOLES (AND ALL APPLICABLE SUB-SECTIONS). WHERE THERE IS A CONTRADICTION, THE COA SPECIFICATIONS WILL TAKE PRECENDENCE.

SECTIONS OF THE COA SPECIFICATION HAVE BEEN INCLUDED IN THE GENERAL NOTES WITH THE FOLLOWING MODIFICATIONS:

- 1. BY THIS NOTE, ALL SANITARY OR COMBINED SEWER MANHOLES SHALL BE EPOXY COATED.
- 2. BASIS OF PAYMENT FOR NEW MANHOLES WILL BE ODOT ITEM 611 MANHOLE, NO. 2 AS PER PLAN SANITARY) (EACH), ITEM 611 MANHOLE, NO. 3, AS PER PLAN SANITARY) (EACH) OR ITEM 611 MANHOLE, NO. 5, AS PER PLAN (SANITARY) (EACH).
- 3. BASIS OF PAYMENT FOR MANHOLES ADJUSTED TO GRADE WILL BE ODOT ITEM 611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN (SANITARY) (EACH).
- 4. BASIS OF PAYMENT FOR MANHOLES RECONSTRUCTED TO GRADE WILL BE ODOT ITEM 611 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN (SANITARY) (EACH).

ITEM SPECIAL - BACKFLOW PREVENTER, MISC .: FLAP GATE __ "

FLAP GATE SHALL BE CONSTRUCTED IN CONFORMANCE WITH COA SECTION 561 AND CITY OF AKRON STANDARD CONSTRUCTION DRAWING ON SHEET 977

ITEM 611 - DROP CONNECTION

DROP CONNECTION SHALL BE CONSTRUCTED AT EXISTING MANHOLES THAT EXCEED 7 FEET BETWEEN FLOWLINE AND FLOWLINE IN CONFORMANCE WITH COA SECTION 565.

611, MANHOLE MISC.: DROP CONNECTION 4 EACH.

ITEM 611 - CONDUIT, MISC: __INCH SANITARY SEWER, ____, CLASS "__" BEDDING

ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) ITEM 611 AND THE CITY OF AKRON (COA) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), ITEMS CONTAINED WITHIN CITY OF AKRON SECTION 557 SANITARY SEWERS (AND ALL APPLICABLE SUB-SECTIONS) WITH THE FOLLOWING ADDITION; ALL BEDDING AND BACKFILL SHALL BE #6, #67 OR #68 CRUSHED AGGREGATE AND SHALL MEET ASTM C 12 FOR RIGID PIPE AND ASTM D 2321 FOR NON-RIGID PIPE. WHERE THERE IS A CONTRADICTION, THE COA SPECIFICATIONS WILL TAKE PRECENDENCE.

LOCATION OF PROPOSED SANITARY LATERALS

THE LOCATION OF PROPOSED SANITARY LATERALS SHALL BE FIELD ADJUSTED TO MATCH THE ACTUAL LOCATION OF EXISTING WYE BRANCHES, EXISTING WYE BRANCHES SHOWN IN THE PLANS ARE FROM UNDERGROUND RECORDS AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTING THE LATERAL CROSSING. COST OF THIS WORK IS INCLUDED IN THE RESPECTIVE SEWER PIPE ITEM. QUANTITIES FOR THIS WORK SHALL BE FROM THOSE INCLUDED IN "UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS" NOTED BELOW.

UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS

FURNISH A CONTINUANCE FOR ALL UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS SUCH AS SANITARY, WASTEWATER, CURTAIN/ GRADIENT DRAINS, AND FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. FURNISH AN UNOBSTRUCTED CONTINUANCE OF THE UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS TO THE SATISFACTION OF THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. ALL SANITARY AND SANITARY WASTEWATER CONTINUANCE MAY ALSO REQUIRE A NPDES PERMIT FROM THE OHIO ENVIRONMENTAL PROTECTION AGENCY. REPORT ALL CONTINUANCE TO THE LOCAL HEALTH DEPARTMENT.

ALL SANITARY SEWER CONNECTIONS SHALL CONFORM TO ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) ITEM 611 AND THE CITY OF AKRON (COA) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), ITEMS CONTAINED WITHIN CITY OF AKRON SECTION 560 SANITARY SEWERS (AND ALL APPLICABLE SUB-SECTIONS) WITH THE FOLLOWING ADDITION; ALL BEDDING AND BACKFILL SHALL BE #6, #67 OR #68 CRUSHED AGGREGATE AND SHALL MEET ASTM C 12 FOR RIGID PIPE AND ASTM D 2321 FOR NON-RIGID PIPE. WHERE THERE IS A CONTRADICTION, THE COA SPECIFICATIONS WILL TAKE PRECENDENCE.

THE FOLLOWING ESTIMATED OUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

611, CONDUIT MISC.: 6 INCH HOUSE LATERAL	<u>800 FT.</u>
611, CONDUIT MISC.: 8 INCH HOUSE LATERAL	<u>700 FT.</u>

611, CONDUIT MISC.: 10 INCH HOUSE LATERAL 400 FT.

100 FT.

611, CONDUIT MISC.: 12 INCH HOUSE LATERAL 550 - PIPE CULVERT, SEWERS, AND DRAINS

CITY OF AKRON ITEM 551 - GENERAL

CITY OF AKRON 551.01 DESCRIPTION
CITY OF AKRON 551.02 MATERIALS
CITY OF AKRON 551.03 EXCAVATION
CITY OF AKRON 551.04 PROTECTION OF EXCAVATION
CITY OF AKRON 551.05(A) BEDDING FOR RIGHT PIPE

CITY OF AKRON 551.04 PROTECTION OF EXCAVATION CITY OF AKRON 551.05(A) BEDDING FOR RIGID PIPE CITY OF AKRON 551.05(B) BEDDING FOR NON-RIGID PIPE

CITY OF AKRON 551.06 STORING AND LAYING PIPE CITY OF AKRON 551.07 JOINING PIPE

CITY OF AKRON 551.08 SHOP STRUTTING CITY OF AKRON 551.09 BACKFILLING

CITY OF AKRON 551.10 RESTORATION OF STREETS AND CLEANING UP

CITY OF AKRON 551.11 RECONSTRUCTED PIPE CITY OF AKRON 551.12 LOW PRESSURE AIR TEST, DEFLECTION TEST, AND T.V. INSPECTION CITY OF AKRON 551.13 METHOD OF MEASUREMENT

KMK 4/28/16 SANITARY NOTE REVISION - REMOVE WYE BRACH REV. TO BE SHOWN IN PLANS REV. BY DATE DESCRIPTION

DATE COMPLETED

CITY OF AKRON 551.01 DESCRIPTION

THIS WORK SHALL CONSIST OF THE CONSTRUCTION OR RECONSTRUCTION OF PIPE CULVERTS, SEWERS AND DRAINS (REFERRED TO BELOW AS TYPE A, TYPE B, TYPE C, AND TYPE D PIPE), COMPLETE IN PLACE AS SPECIFIED, USING PIPE OF SIZES AND TYPES CALLED FOR BY THE PLANS, PROPOSAL, OR THESE SPECIFICATIONS, AND IN CONFORMITY WITH LINES AND GRADES SHOWN ON THE PLANS AND PROFILES, OR AS ESTABLISHED BY THE ENGINEER. THIS WORK SHALL INCLUDE ALL EXCAVATING AND THE REMOVAL OF ALL MATERIALS NECESSARY FOR PLACING THE PIPE, MANHOLES, INLETS AND OTHER APPURTENANCES; MAINTAINING FLOW IN EXISTING CULVERTS, SEWERS OR DRAINS; FURNISHING, MIXING, PLACING OR REMOVING MATERIALS, INCLUDING LINING MATERIALS; FURNISHING AND PLACING BEDDING AND BACKFILLING MATERIALS, FURNISHING OF FORMS, POINTING OR PLASTERING OF SURFACES; JOINING TO EXISTING AND PROPOSED APPURTENANCES AS REQUIRED; PERFORMING LOW PRESSURE AIR TEST AND DEFLECTION TEST AS SPECIFIED; PROTECTING EXISTING UTILITIES, STRUCTURES OR OTHER IMPROVEMENTS IN THE VICINITY OF THE PROPOSED PIPE CULVERTS, SEWERS AND DRAINS; AND CLEANING UP AND RESTORING DISTURBED FACILITIES AND STREETS AND OTHER SURFACES.

CITY OF AKRON 551.02 MATERIALS

PIPE SHALL BE OF THE SIZE AND KIND SPECIFIED IN THE PROPOSAL AND MEET THE REQUIREMENTS OF PERTINENT CITY OF AKRON SECTIONS OF 706 AND 707. WHEN THE KIND OF PIPE IS NOT SPECIFICALLY ITEMIZED, ANY OF THE KINDS LISTED HEREIN UNDER THE SPECIFIED PIPE TYPE MAY BE USED. HIGHER STRENGTH CONCRETE OR PLASTIC PIPE OF THE SAME TYPE MAY BE FURNISHED WHERE LOWER STRENGTH PIPE IS SPECIFIED. A THICKER METAL PIPE OF THE SAME CORRUGATION PROFILE AND TYPE MAY BE FURNISHED WHERE A LESSER THICKNESS IS PERMITTED OR SPECIFIED.

UNLESS OTHERWISE SPECIFIED, ALL REINFORCED CONCRETE CIRCULAR PIPE SHALL COMPLY WITH THE REQUIREMENTS OF CITY OF AKRON 706.02 AND 706.11 AND SHALL COMPLY WITH THE STANDARD SPECIFICATIONS OF ASTM C76 CLASS IV, WALL B OR WALL C, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

ALL REINFORCED CONCRETE PIPE SHALL BE MANUFACTURED USING TYPE II CEMENT. ONLY VITRIFIED CLAY PIPE AND REINFORCED CONCRETE PIPE SHALL BE CONSIDERED AS RIGID PIPE MATERIALS. ALL OTHER PIPE MATERIALS LISTED HEREIN SHALL BE CONSIDERED NON-RIGID PIPE MATERIALS.

CITY OF AKRON 551.03 EXCAVATION

EXCAVATION SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL MATERIAL, INCLUDING CONCRETE, MASONRY AND ROCK WHICH MAY BE REMOVED WITH COMMONLY USED EXCAVATION EQUIPMENT NECESSARY FOR THE CONSTRUCTION AND COMPLETION OF WORK UNDER THIS ITEM. EXCAVATION OPERATIONS SHALL BE CONDUCTED FROM THE SURFACE, EXCEPT WHERE TUNNELING IS REQUIRED ON THE PLANS OR PERMITTED BY THE ENGINEER. TUNNEL OPENINGS SHALL BE MADE SUBJECT TO THE APPROVAL OF THE ENGINEER. EXCEPT IN ROCK, WATER-BEARING EARTH, OR WHERE A GRANULAR OR CONCRETE BASE IS TO BE USED, MECHANICAL EXCAVATION OF TRENCHES SHALL BE STOPPED ABOVE THE FINAL INVERT ELEVATION SO THAT THE PIPE MAY BE LAID ON UNDISTURBED SOIL. IF OVERDIGGING OCCURS, ALL LOOSENED EARTH SHALL BE REMOVED AND THE TRENCH BOTTOM BROUGHT BACK TO GRADE, AT THE CONTRACTOR'S EXPENSE, WITH GRANULAR MATERIAL WHICH MAY BE FORTIFIED WITH CEMENT, IF SO DIRECTED BY THE ENGINEER. WIDTH OF TRENCHES, EXCEPT FOR PIPE UNDERDRAINS, IN WHICH PIPE IS TO BE INSTALLED SHALL BE SUCH AS TO PROVIDE ADBOUATE SPACE FOR WORKMEN TO PLACE AND JOINT THE PIPE PROPERLY, BUT IN EVERY CASE THE TRENCH SHALL BE KEPT TO A MINIMUM WIDTH. FOR ALL RIGID PIPE INSTALLATIONS, THE WIDTH OF THE TRENCH AT THE TOP OF THE PIPE SHALL NOT EXCEED THE OUTSIDE PIPE DIAMETER, INCLUDING BELLS, PLUS THE CLEAR WIDTH ON EACH SIDE OF THE PIPE AS LISTED IN THE FOLLOWING TABLE:

PIPE SIZE	MAXIMUM CLEAR WIDTH
6 INCH TO 24 INCH	12 INCHES
27 INCH TO 54 INCH	15 INCHES
60 INCH AND OVER	24 INCHES

FOR ALL NON-RIGID PIPE INSTALLATIONS, THE MINIMUM TRENCH WIDTH SHALL BE PER THE PIPE MANUFACTURER'S RECOMMENDATIONS, BUT AT NO TIME SHALL THE WIDTH BE LESS THAN THAT SPECIFIED IN ASTM D2321.

THE LENGTH OF TRENCH OR TUNNEL OPEN AT ANY ONE TIME SHALL CONFORM TO THE LIMITS APPROVED BY THE ENGINEER. IN GENERAL, NOT MORE THAN 100 FEET OF TRENCH SHALL BE OPENED IN ADVANCE OF THE COMPLETED WORK.

EXCAVATION SHALL BE OF SUFFICIENT DEPTH AND WIDTH TO PERMIT THE INSTALLATION OF THE WORK TO THE LINES, GRADES, AND DIMENSIONS CALLED FOR BY THE PLANS, AND FOR ALL SHEETING, PUMPING, AND DRAINING. IN GENERAL, THE SIDES OF THE TRENCH OR OTHER EXCAVATION SHALL BE VERTICAL AND THE WALLS PROPERLY SUPPORTED WITH SHEETING, BRACING OR OTHER APPROVED METHOD WHERE NECESSARY FOR THE PROTECTION OF WORKMEN, ADJACENT PROPERTY, STRUCTURES, UTILITIES OR EXISTING IMPROVEMENTS. THE WIDTH AT THE TOP OF THE EXCAVATION SHALL BE THE MINIMUM WIDTH THAT WILL PERMIT THE PROPER CONSTRUCTION OF THE SEWER OR OTHER STRUCTURES, OR THE PLACING OF SHEETING. SHOULD TWO SETS OF WOOD SHEETING BE USED, THE TOP WIDTH SHALL EXCEED THE BOTTOM WIDTH ONLY BY THE THICKNESS OF THE NECESSARY RANGERS AND PLANKING PLUS ONE INCH ON EACH SIDE FOR ADDITIONAL CLEARANCE OF LOWER SHEETING PAST UPPER RANGERS.

TRENCHES IN ROCK SHALL BE EXCAVATED TO A DEPTH NOT LESS THAN 6 INCHES BELOW THE BOTTOM OF THE PIPE BY ANY ACCEPTABLE METHOD, INCLUDING USE OF EXPLOSIVES, WITH THE APPROVAL OF THE ENGINEER. WHERE BLASTING IS PERMITTED, IT SHALL BE DONE BY PERSONS EXPERIENCED IN SUCH WORK AND IN ACCORDANCE WITH CITY OF AKRON 107.09. ALL BLASTS SHALL BE WELL COVERED, AND PROVISIONS MADE TO PROTECT PIPES, CONDUITS, SEWERS, STRUCTURES, PERSONS, AND ANY PROPERTY ADJACENT TO THE SITE OF THE WORK. NO BLASTING SHALL BE PERMITTED WITHIN TWENTY-FIVE FEET OF THE COMPLETED PIPE CULVERT, SEWER OR DRAIN.

THE CONTRACTOR SHALL PROVIDE PROPER AND SATISFACTORY MEANS AND DEVICES FOR THE REMOVAL OF ALL GROUNDWATER ENTERING THE TRENCH EXCAVATION AND REMOVE SUCH GROUNDWATER AS FAST AS IT MAY COLLECT IN SUCH MATTER AS TO NOT INTERFERE WITH THE PROSECUTION OF THE WORK. THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING WORK. THE GROUNDWATER LEVEL MUST BE LOWERED ENOUGH TO ALLOW A WORKABLE TRENCH. DEWATERING SHALL BE CONTINUED UNTIL BACKFILLING IS COMPLETED IN ANY MANHOLE-TO-MANHOLE SPAN. COST OF DEWATERING SHALL BE INCLUDED IN THE PRICE BID FOR THE ITEM REQUIRING THE DEWATERING.

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DURING THE PLACEMENT OF THE PORTABLE BARRIER, TRAFFIC WILL BE PROHIBITED FROM OCCUPYING THE TRAVEL LANE ADJACENT TO THE BARRIER. THE BARRIER WILL BE PLACED AT NIGHT PER THE WORK HOUR RESTRICTION NOTE AND IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE CHART. THE CLOSURE OF THE ADJACENT LANE WILL BE PER THE STANDARD DRAWING MT-95.30. THE CONTRACTOR WILL SUBMIT A PLAN TO THE ENGINEER FOR APPROVAL SEVEN (7) DAYS IN ADVANCE OF THE PLANNED LANE CLOSURE. WORK WILL NOT BEGIN UNTIL APPROVAL OF THE PLANS HAS BEEN GRANTED. ALL COSTS INVOLVED IN PLACING THE PORTABLE CONCRETE BARRIER WILL BE INCLUDED IN THE CONTRACT PRICE BID FOR ITEM 622 PORTABLE CONCRETE BARRIER

614 WORK ZONE PAVEMENT MARKINGS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 614.11, ALL CLASS I EDGE LINES, LANE LINES, CENTER LINES AND DOTTED LINES SHALL BE 6 INCHES WIDE AND CHANNELIZING MARKINGS SHALL BE 8 INCHES WIDE. THE APPLICATION RATES FOR THE 6 INCH LINES SHALL BE 1.5 TIMES THE RATES SPECIFIED FOR 4 INCH

ITS MESSAGE BOARDS (I-76 / I-77)

THE EXISTING ITS MESSAGE BOARDS IN THE VICINITY OF THE PROJECT WILL BE UTILIZED TO PROVIDE SUPPLEMENTAL INFORMATION TO THE TRAVELING PUBLIC. THE CONTRACTOR WILL NOTIFY THE PROJECT ENGINEER ONE [1] WEEK IN ADVANCE OF ANY PHASE CHANGE. THE PROJECT ENGINEER WILL COORDINATE WITH EITHER LISA BOSE AT 330-786-4817 OR BRENT KOVACS AT 330-786-2208 TO GET THE ITS MESSAGE BOARDS ADJUSTED.

ITEM 614 - BUSINESS ENTRANCE (M4-H15) SIGN, AS PER PLAN (LOCAL)

THE BUSINESS ENTRANCE (M4-HI5) SIGN SHOULD BE PROVIDED AT EACH TEMPORARILY RELOCATED COMMERCIAL DRIVEWAY FOR WHICH THE RELOCATION IS NOT OBVIOUS TO THE MOTORIST. THE PROJECT ENGINEER SHALL DETERMINE WHETHER OR NOT THE DRIVEWAY RELOCATION IS, OR IS NOT, OBVIOUS AND WHETHER OR NOT A SIGN SHOULD BE PROVIDED. ONLY ONE SIGN PER BUSINESS SHALL BE PERMITTED. THE SIGN SHALL BE 36 INCH X 48 INCH IN SIZE WITH TYPE G OR TYPE H ORANGE RETROREFLECTIVE SHEETING. THE SIGN LEGEND SHALL BE PLACED ON BOTH SIDES OF THE SIGN (BACK TO BACK). THE SIGN SHALL HAVE THE STANDARD M4-HI5 LEGEND WITH THE WORD "BUSINESS" ON THE TOP LINE, EXCEPT UNDER UNUSUAL CIRCUMSTANCES WHERE IT MAY NOT BE INTUITIVE THAT A DRIVEWAY SERVES A SPECIFIC BUSINESS. IN SUCH UNUSUAL CASES, THE ACTUAL BUSINESS NAME MAY BE SUBSTITUTED FOR THE WORD "BUSINESS".

THE SIGN SHALL BE MOUNTED ON TWO NO. 3 POSTS OR ON TEMPORARY POSTS IN ACCORDANCE WITH SCD MT-105.10 AND IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE SIGN SHALL BE CLEARLY VISIBLE AND SHALL CLEARLY IDENTIFY THE LO-CATION OF THE DRIVEWAY. THE SIGN SHOULD BE POSITIONED AT 90 DEGREES TO THE DIRECTION(S) OF TRAFFIC. THE SIGN MAY NEED TO BE MOVED FOR EACH PHASE OF THE MAIN-TENANCE OF TRAFFIC OPERATIONS.

PAYMENT FOR ALL COSTS ASSOCIATED WITH MANUFACTURING, MOUNTING, RELOCATING, AND REMOVING THE SIGN, INCLUDING ALL LABOR, MATERIALS AND EQUIPMENT SHALL BE INCLUDED IN THE CONTRACT PRICE PER EACH FOR ITEM 614-BUSINESS

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS ITEM.

ITEM 614 BUSINESS ENTRANCE SIGN, AS PER PLAN 20 EACH

ITEM 614 - COVERING OF SIGNS (I-76 / I-77)

THE CONTRACTOR WILL COVER ANY EXISTING AND/OR PROPOSED SIGN INSTALLATION WHICH IS IN CONFLICT WITH THE MAINTENANCE OF TRAFFIC PLANS. THE SIGNS SHALL BE COVERED IN SUCH A MANNER AS TO AVOID DAMAGING THE WHEN THE COVER IS REMOVED. THE COVER SHALL BE TOTALLY OPAQUE AND COVERS THE ENTIRE SIGN FACE. THE USE OF ADHESIVE TAPE APPLIED DIRECTLY TO THE SIGN FACE IS STRICTLY PROHIBITED. THE CONTRACTOR WILL PROVIDE ALL OF THE "CLOSED" PLAQUES NECESSARY. THE OVERLAY MAY BE RIVETED TO THE SIGN. THE CONTRACTOR SHALL PROVIDE ALL OF THE PLAQUES, SIGNS, AND SIGN PANELS NECESSARY.

UNLESS SEPARATELY ITEMIZED IN THE PLAN, THE LUMP SUM PRICE BID FOR ITEM 614-MAINTAINING TRAFFIC SHALL INCLUDE ALL COSTS NECESSARY TO COVER AND/OR MODIFY CONFLICTING SIGN INSTALLATIONS.

ITEM 625 - LIGHT POLE MISC .: REMOVE, SALVAGE AND RE-ERECT MEDIAN LIGHT POLE WITH RECONSTRUCTION OF MEDIAN FOUNDATION

CONTRACTOR SHALL REMOVE AND SALVAGE THE EXISTING MEDIAN LIGHT POLE AND LUMINAIRE. THE SALVAGED ITEMS SHALL BE STORED BY THE CONTRACTOR FOR THE DURATION OF THE NEED FOR THE CROSSOVER THROUGH THE MEDIAN. THE FOUNDATION SHALL BE REMOVED TO A DEPTH OF 12" BELOW PROPOSED GUTTER AND PER REQUIREMENTS OF ODOT CMS 202. THE CONTRACTOR SHALL CONSTRUCT A NEW 24" X 10' DEEP FOUNDATION, INCLUDING NEW PULL BOX, ANCHOR BOLTS AND MOUNTING PLATE, ADJACENT TO THE EXISTING FOUNDATION TO REMAIN BELOW GRADE. THE FOUNDATION AND PULL BOX SHALL BE CONSTRUCTED PER SCD HL-20.13. THE SALVAGED POLE AND LUMINAIRE SHALL BE RE-INSTALLED ON THE NEW FOUNDATION AND CONNECTED TO THE EXISTING LIGHTING CIRCUITRY. ALL MATERIALS AND LABOR REQUIRED FOR THE COMPLETE INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF ITEM 625 LIGHT POLE MISC.: REMOVE, SALVAGE AND RE-ERECT MEDIAN LIGHT POLE WITH RECONSTRUCTION OF MEDIAN FOUNDATION. CONTRACTOR SHALL MAINTAIN EXISTING LIGHTING CIRCUIT, UNTIL NEW CIRCUIT IS INSTALLED.

CONSTRUCTION ACCESS POINTS

THE CONTRACTOR SHALL USE THE DESIGNED CONSTRUCTION ACCESS POINTS SHOWN ON SHEETS 196, 201, 206, AND 211, FOR PHASE I, STAGE I AND STAGE 2 OF BOTH WOLF LEDGES AND GRANT STREET BRIDGE CONSTRUCTION. FOR ACCESS INTO THE CONSTRUCTION ZONE DURING THESE PHASES, THREE LANES SHALL BE MAINTAINED MONDAY - FRIDAY, 6 AM TO 8 AM AND 3 PM TO 6 PM. ONE LANE CAN BE CLOSED ANY TIME ON SATURDAY AND SUNDAY.

CONSTRUCTION RESTRICTIONS

THE FOLLOWING DISCUSSION OF CONSTRUCTION SEQUENCING RESTRICTIONS IS PROVIDED FOR THE CONTRACTOR'S BENEFIT WHEN PLANNING HIS/HER CONSTRUCTION WORK TASK SEQUENCING. ITEMS UNDER PERMITTED SEQUENCING ARE NON-BINDING AND COULD BE MODIFIED BY THE CONTRACTOR IF AN ALTERNATE MAINTENANCE OF TRAFFIC METHOD IS SELECTED, ANY APPROVED ALTERNATE MUST INCLUDE THESE RESTRICTIONS.

RESTRICTIONS

- THE LOCAL STREET CONSTRUCTION MUST BE COMPLETED TO THE POINT THAT BROADWAY TRAFFIC CAN BE PLACED ONTO THE WIDENED/RELOCATED MAIN STREET BEFORE PHASE 2 CAN BEGIN.
- EXCEPT FOR THE 2 WEEK DETOUR FOR THE CONSTRUCTION OF THE TIE-IN FOR RAMP W-5, WB EXIT TO DOWNTOWN (RAMP W-54 AND W-5) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- RAMP W-5 MUST BE COMPLETED AND OPEN BEFORE BEGINNING PHASE 3. EXISTING RAMP W-9 SHALL NOT BE CLOSED UNTIL
- THE NEW RAMP W-9 IS COMPLETE AND OPEN.
 WOLF LEDGES PARKWAY MUST BE COMPLETED AND
 OPEN TO TRAFFIC BEFORE CONSTRUCTION WHICH RESTRICTS LANES CAN BEGIN ON GRANT STREET.
- PHASE 2 MAY BEGIN ONCE STEEL IS SET AND FALSWORK IN PLACE FOR THE GRANT STREET STRUCTURE REPLACEMENT (SUM-76-1085). THE INTENT IS TO HAVE THE GRANT STREET STRUCTURE COMPLETE TO THE POINT OF NOT REQUIRING ANY ZONES ON I-76 BEFORE PHASE 2 **BEGINS**
- 7. BUILDING DEMOLITION WORK, INCLUDING RESTORATION OF THE SITES, SHALL BE COMPLETED BY SEPTEMBER 30, 2016.
- WORK ON WOLF LEDGES AND GRANT STREET THAT REQUIRES AND TRAFFIC CONTROL ON 1-76 SHALL
- NOT BEGIN BEFORE AUGUST 1, 2016. THERE ARE ADJACENT BRIDGES, WITHIN CLOSE PROXIMITY TO WOLF LEDGES AND GRANT STREET THAT WILL ALSO BE UNDER CONSTRUCTION DURING OF 2016. THE CONTRACTOR SHALL COORDINATE WITH THE ADJACENT CONTRACTORS TO MAKE SURE THE I-76 CONSTRUCTION ZONES FOR THIS PROJECT MATCH IN AND DO NOT CONFLICT WITH THE ZONES FOR THE ADJACENT PROJECTS.
- 10. THE WOLF LEDGES AND GRANT STREET STRUCTURES AND APPROACH ROADWAY WORK SHALL BE COMPLETE AND OPEN TO TRAFFIC BY OCTOBER 31,
- 11. PHASE 2 SHALL BE COMPLETED BY AUGUST 31, 12. PHASE 3 SHALL BE COMPLETED BY AUGUST 31,

2019. DATES PROVIDED ABOVE SHALL BE CONSIDERED INTERIM COMPLETION DATES AND SHALL BE SUBJECT TO DISINCENTIVE PENALTY IN THE AMOUNT OF \$1,500 PER DAY THAT THE WORK IS NOT COMPLETE BEYOND INTERIM COMPLETION DATE.

ITEM 630 - SIGNING MISC.: REMOVE, SALVAGE AND RE-ERECT CONCRETE MEDIAN BARRIER-MOUNTED MILE MARKER (I-76 / I-77)

CONTRACTOR SHALL REMOVE AND SALVAGE THE EXISTING BARRIER-MOUNTED MILE MARKER PER REQUIREMENTS OF ODOT CMS 202. THE CONTRACTOR SHALL STORE THE EXISTING SIGNS FOR THE DURATION OF THE NEED FOR THE CROSSOVER THROUGH THE MEDIAN. THE EXISTING MOUNTING AND POST SHALL BE REMOVED AND REPLACED WITH NEW MOUNTING AND POST PER DETAILS ON SHEET 1135. ALL MATERIALS AND LABOR REQUIRED FOR THE COMPLETE INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF ITEM 630 SIGNING MISC.: REMOVE, SALVAGE AND RE-ERECT CONCRETE MEDIAN BARRIER-MOUNTED MILE MARKER.

MAINTENANCE OF TRAFFIC AND ACCESS TO PROPERTIES

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC AND ACCESS TO PROPERTIES.

500 CY

500 CY

100 CY

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE C

ITEM 614. ASPHALT CONCRETE

FOR MAINTAINING TRAFFIC

DRIVES TO REMAIN OPEN AT ALL TIMES UNLESS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES USING PARTIAL WIDTH CONSTRUCTION.

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS SHALL BE ERECTED BY THE CONTRACTOR AT LEAST ONE WEEK IN ADVANCE OF THE SCHEDULED ROAD OR RAMP CLOSURE. THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.



W20-H14-60 * CONTRACTOR SHALL USE ACTUAL CLOSURE DATE AND DURATION.

THE COST OF THE NOTICE OF CLOSURE SIGN IS CONSIDERED TO BE INCIDENTAL TO AND INCLUDED IN ITEM 614 - MAINTAINING TRAFFIC.

ÎTÊM 611 - SLOTTED DRAIN, TYPE 2, APP

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 6" TEMPORARY SLOTTED DRAIN, TYPE 2, APP, AT THE LOCATIONS SHOWN IN THE PLAN. THIS ITEM IS USED TO ASSIST IN THE DRAINAGE OF THE CROSSOVERS DURING MOT. THIS ITEM TO BE REMOVED WHEN CROSSOVERS FOR MOT ARE NO LONGER NEEDED. ALL NECESSARY CONNECTIONS, LABOR, MATERIAL, AND EQUIPMENT TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR THE ITEM 611 - SLOTTED DRAIN, TYPE 2, APP.

ITEM 611 - CATCH BASIN, NO. 6, APP

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A TEMPORARY CATCH BASIN, NO. 6. APP. AT THE LOCATIONS SHOWN IN THE PLAN. THIS ITEM IS USED TO ASSIST IN THE DRAINAGE OF THE CROSSOVERS DURING MOT. THIS ITEM TO BE REMOVED WHEN CROSSOVERS FOR MOT ARE NO LONGER NEEDED. 5' OF 12" CONDUIT IS TO BE USED TO MAKE THE CONNECTION TO THE EXISTING CATCH BASIN AND WILL BE INCIDENTAL TO THIS ITEM. ALL NECESSARY CONNECTIONS, LABOR, MATERIAL, AND EQUIPMENT TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER EACH FOR THE ITEM 611 - CATCH BASIN. NO 6 APP

LIMITATION OF STREET CLOSURES

THE CONTRACTOR SHALL COMPLETE ALL CONSTRUCTION AND SAFETY ITEMS AND HAVE THE DESIGNATED SECTIONS OPEN TO Z UNRESTRICTED TRAFFIC WITH IN THE CALENDER DAYS SPECIFIED.

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DESCRIPTION OF LOCATION COMPLETION DAYS

PHASE 1. STAGE 1A BROADWAY STREET AND MILLER AVENUE CLOSURE: 10 CALENDAR DAYS

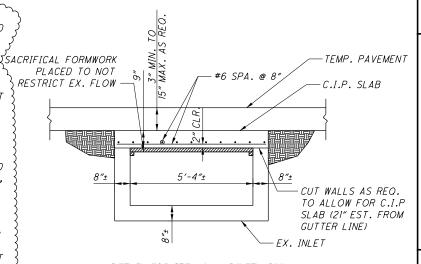
PHASE 1. STAGE 1B BROADWAY STREET AND MILLER AVENUE CLOSURE: 10 CALENDAR DAYS

PHASE 1. STAGE IC YALE STREET CLOSURE: 21 CALENDER DAYS

BROADWAY STREET AND THORNTON INTERSECTION AVENUE CLOSURE: 14 CALENDAR DAYS. NO CLOSURE OF THE BROADWAY/THORNTON INTERSECTION MAY TAKE PLACE UNTIL RAMP W-5 (WB TO NB) BRIDGE IS COMPLETE AND PAVEMENT COMPLETED TO STA 575+75+/- SO THAT THIS MOVEMENT CAN BE OPENED TO TRAFFIC AFTER THE 14 DAY INTERSECTION CLOSURE. THE EXISTING RAMP E MUST REMAIN OPEN PRIOR TO THIS CLOSURE.

ITEM 611 - INLET MISC.: REMOVE, PROTECT AND RECONSTRUCT BARRIER MEDIAN INLET (I-76 / Í-77)

CONTRACTOR SHALL SAWCUT THE EXISTING BARRIER MEDIAN INLET TO A DEPTH OF 21" BELOW PROPOSED GUTTER AND PER REQUIREMENTS OF ODOT CMS 202. THE CONTRACTOR SHALL PROTECT THE EXISTING PIPE INVERT WITH A CONCRETE SLAB AND BACKFILL WITH PROPOSED SHOULDER PAVEMENT SECTION FOR THE DURATION OF THE NEED FOR THE CROSSOVER THROUGH THE MEDIAN. THE SLAB SHALL BE AS PER DETAIL SHOWN. CONCRETE SHALL BE CMS ITEM 511, CLASS QCI MISC. WITH 4 KSI DESIGN STRENGTH. REINFORCING SHALL BE PER CMS ITEM 509 NO SEPARATE PAYMENT WILL BE MADE FOR TIME, CONCRETE AND REBAR AND OTHER MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK AS IT IS INCIDENTAL OT THIS ITEM. THE EXISTING INVERT AND ONE SEGMENT OF EXISTING PIPE SHALL BE REMOVED AND REPLACED PER SCD I-2.4. WHEN THE TIME COMES TO REPLACE THE MEDIAN BARRIER WITH NEW BARRIER THE EXISTING MEDIAN INLET MUST BE REMOVED AND THE NEW MEDIAN INLET RECONSTRUCTED IN IT'S ORIGINAL LOCATION AS APPROVED BY THE ENGINEER. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF ITEM 611 INLET MISC .: REMOVE, PROTECT AND RECONSTRUCT BARRIER MEDIAN INLET.



DETAIL FOR ITEM 611 - INLET MISC.: REMOVE, PROTECT AND RECONSTRUCT BARRIER MEDIAN INLET (I-76 / I-77)

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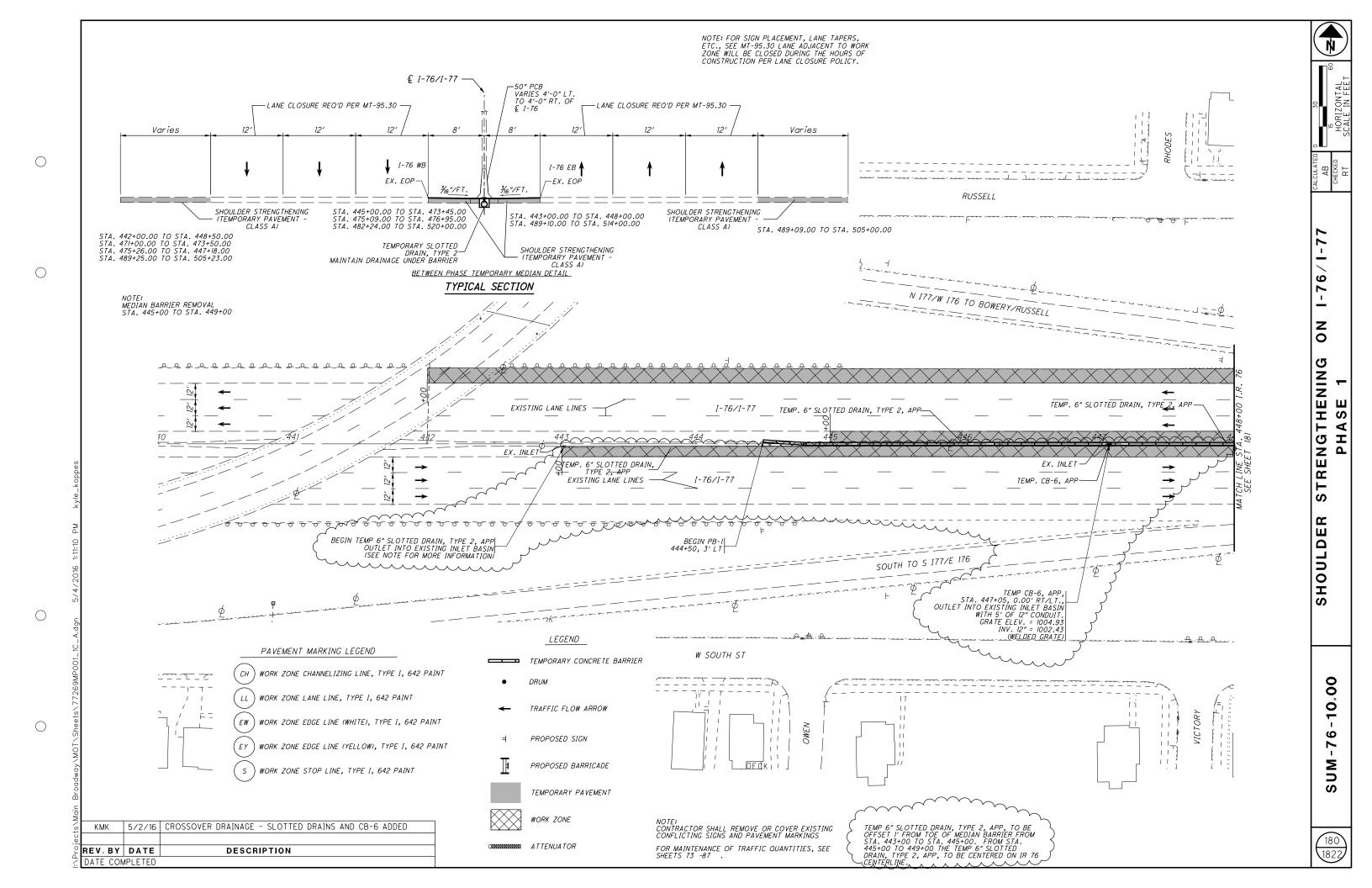
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REFERENCE NO.	SHEET NO.	LOC	ATION	PARTICIPATION (100% CITY OR PROJECT)	CONCRETE BARRIER REMOVED	SLOTTED DRAIN, TYPE 2, AS PER PL.	CATCH BASIN, NO. 6, AS PER PLAN	RECONSTRUCT BARRIER MEDIAN INLET WORK ZONE IMPACT ATTENUATOR	(UNIDIRECTIONAL) WORK ZONE IMPACT ATTENUATOR	(BIDIRECTIONAL)	VI MA YPE B	WAINTAINING TRAFTIL, MISC.: TEMPOR DRAINAGE OUTLET FOR MOT	ORK ZONE LANE LINE, CLASS I	NE LANE LINE, CLASS 1, AS PLAN	WORK ZONE CENTER LINE, CLASS I WORK ZONE EDGE LINE, CLASS I	E LINE, CLASS I, AS	NG LINE, CL	WORK ZONE CHANNELIZING LINE, CLASS AS PER PLAN	WORK ZONE DOTTED LINE, CLASS I, e	SLASS I,	WORK ZONE STOP LINE, CLASS I	WORK ZONE ARROW, CLASS I	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	CONCRETE BARRIER, SINGLE SLOPE, T B1	BARRIER TRANSITION	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE BI	PORTABLE BARRIER, 50", AS PER PL	PORTABLE BARRIER, 50°, BRIDGE MOUNTED, AS PER PLAN	LIGHT POLE, MISC.: REMOVE, SALVAGE AND RE-ERECT MEDIAN LIGHT POLE WITH RECONSTRUCTION OF MEDIAN FOUNDATION	SIGN ERECTED, TEMPORARY OVERLAY	REMOVAL OF GROUND MOUNTED SIGN REERECTION, AS PER PLAN	SIGNING, MISC.: REMOVE, SALVAGE A RE-ERECT CONCRETE MEDIAN BARRIER-MOUNTED MILE MARKER	RY
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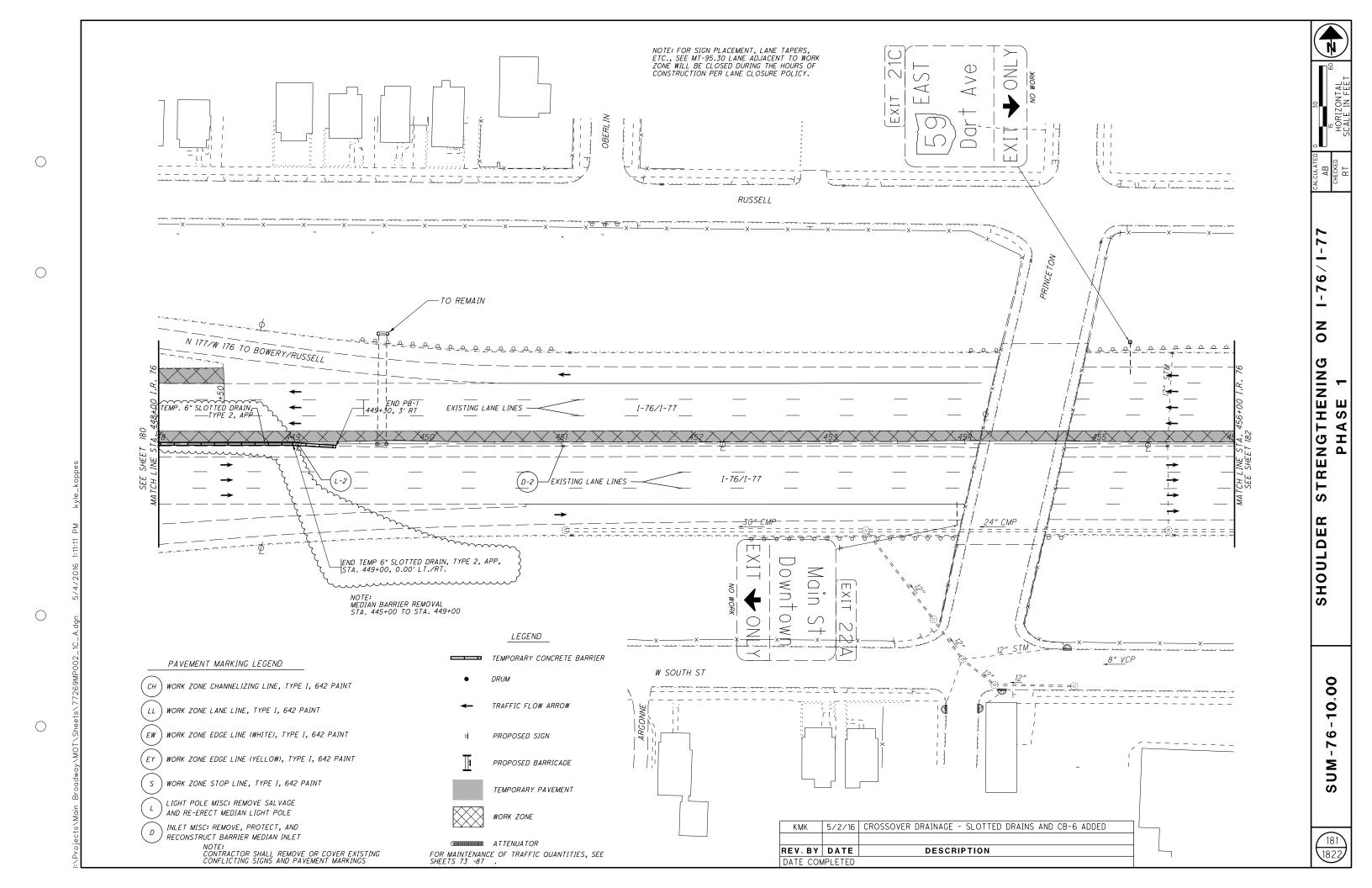
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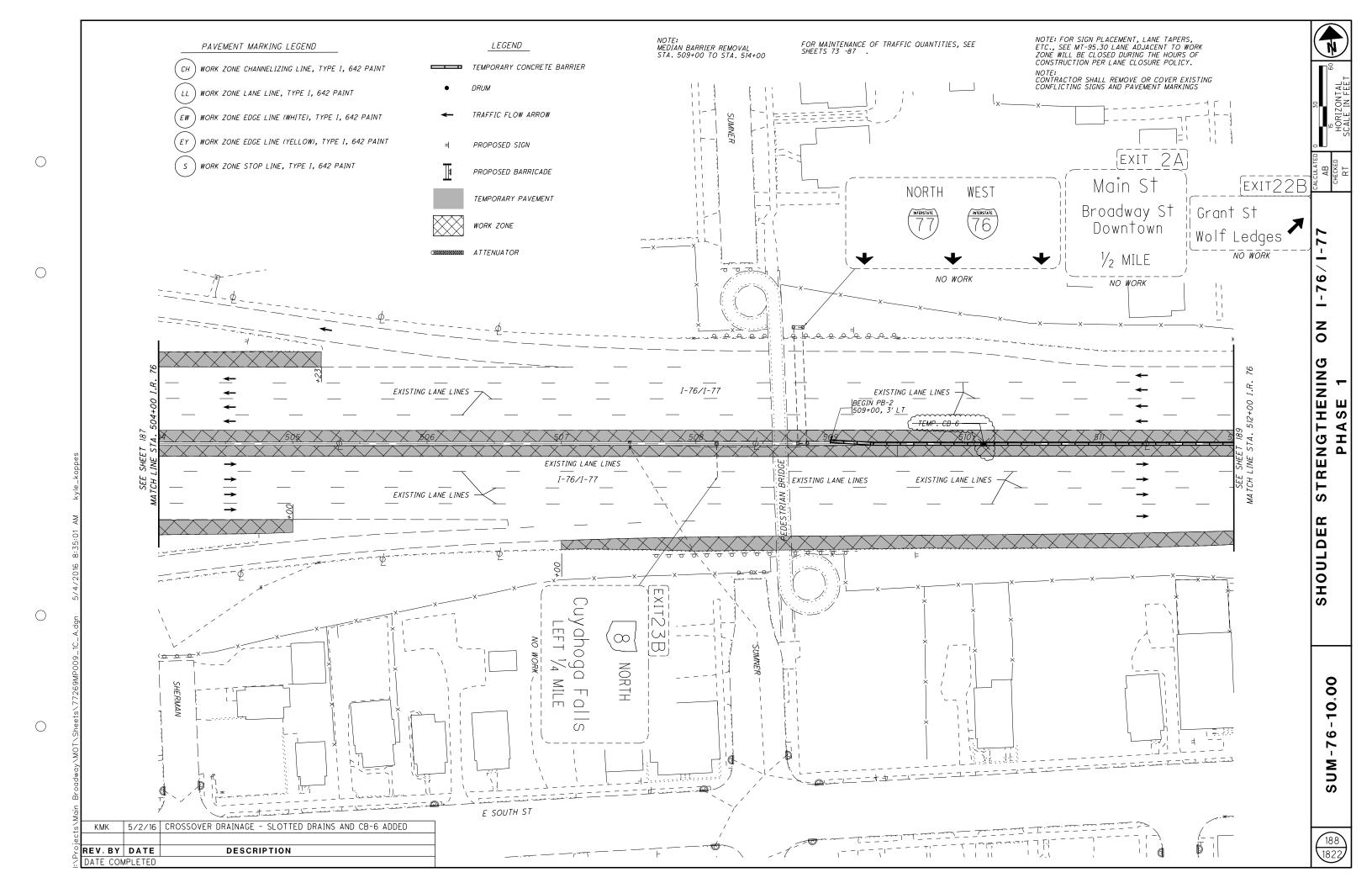
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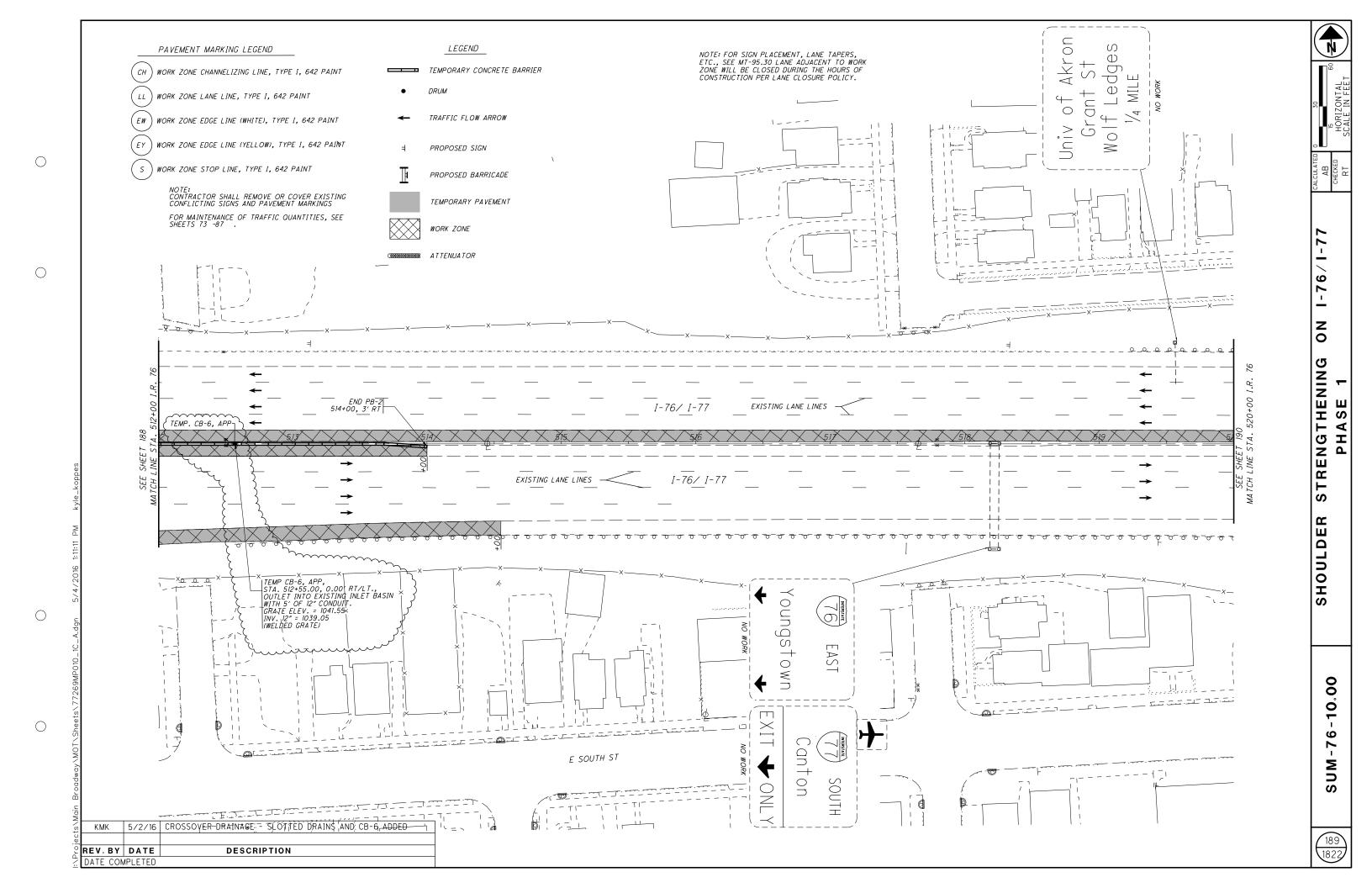
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NCE	77 NO	L	LOCATION	V	PARTICIPATION 1100% CITY OR PROJECT)	BARRIER	7£ 2,	<i>è</i> ,	₹, EB,	A 13	27 A 710N	PAVE	STOR	E7 +	LANE LINE,	IN IN	. EDGE LINE,	E, CL	CHANNELIZING LINE,	CHANNELIZING LINE, AS PER PLAN	DOTTED LINE, UPAINT	L INE PER	STOP LINE,	ARROW,	RAINTAINING CLASS A	, SINGLE BI	TRANSITION	, ENE	50″,	ER, 5 S PEI	REM N L IV MEDI	POR,	MOL 4S P.	OVE,	IW Q.
REF ERENCE	SHEET	_			TICIF	BARF	TYPE	% .0	SENO 3ARR	MPA(MPAU	SED	FLE.	1700	L ANE	PLAN CENTER	EDGE	LINE, PLAN	INEL I	NEL I. PER	TED PAII	TED AS	STOF	E ARI	MAII	ER, S	. R 7.6	RCED	IER,	1 <i>RRIE</i> 7, 45	SC.: EDIA OF	TEM	JUND , , NC	REM	UNVE
4					PAR % CI	7	?A <i>I</i> N,	SIN,	C.: F	NE I	NE I	RAI	R RE TRAF	4 <i>GE</i>	ZONE L	NE CI	ZONE I	EDGE	СНАЛ	CHAN. AS	DO 7	DOT INT,	ZONE 3	ZONE	FOR	BARRIER,	BARRIER	BARF	34RR	E B/	M. ST M. TION	TED,	GRC SCTIC	SC.:)OM-
					(100)	CONCRE	10 0:	H BA	MIS))))X ZC	ZONE RAISED PAVEMENT	BARRIER REFLECTOR, TYPE AINING TRAFFIC, MISC.: TEM	RAIN	N L	1 2	3K Z(ZONE	ZONE	ZONE (ZONE	ZONE DOTTED LINE, C PAINT, AS PER PL)Z X:	WORK	ENT	rE B,	ВА	ETE RE.	31E I	PORTABLE BARRIER, 50", MOUNTED, AS PER PL	POLE -EREL	EREC	L OF	S, MI E-ER	3ARRIER.
						S	SLOTTED DRAIN,	CATCH BASIN,	INLET, MISC.: H RECONSTRUCT I	WOF	WORK	WORK ,	BARRIER REFLECTOR, T'	0	WORK 20M	WORK	WORK	RK Z	2K Zi	3K Z(WORK	×	PAVEMENT	CONCRETE		CONCRETE BARRIER, REINFORCED,	PORTABLE BARRIER, 50",	POR	LIGHT POLE, MISC.: REMOVE, AND RE-ERECT MEDIAN LIGHT H RECONSTRUCTION OF MEDIAN F	10N F	1014	SIGNING, MISC.: 1 RE-ERECT C	ВАБ
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LS																			LS	201	11000	LS		CLEARING AND GRUBBING	+
									LS										LS	202	11000	LS		STRUCTURE REMOVED	
									161634		1129		5048						167212 599		23000	167811	SY	PAVEMENT REMOVED	
									10669										10669	202	23001	10669		PAVEMENT REMOVED, AS PER PLAN	4,
04									13856									700	15260	202	23500	15260		WEARING COURSE REMOVED	+
				_					162493									320	162813	202	30000	162813	SF	WALK REMOVED	
									13										13	202	30200	1.3	FT	STEPS REMOVED	
				_				900}	5951										(6851)	202	30700	(6851	FT	CONCRETE BARRIER REMOVED	+
									53										53	202	30800	53	SY	TRAFFIC ISLAND REMOVED	+
									37133									40	37173	202	32000	37173	FT	CURB REMOVED	
									1699										1699	202	32500	1699	FT	CURB AND GUTTER REMOVED	
											15.710		1017						15014 1710		75100	10577		0105 0540450 04# 440 44050	
											15316		1217						15214 1319 1677 457		35100 35200	16533 2134		PIPE REMOVED, 24" AND UNDER	+
				_					7120		2134								1677 457 7120	202 202	38000	7120	FT FT	PIPE REMOVED, OVER 24" GUARDRAIL REMOVED	+
				-					1120		61								61	202	58000	61	EACH	MANHOLE REMOVED	+
											156								156	202	58300	156	EACH		+
						1													1	202	66500	1	EACH	UNDERGROUND STORAGE TANK REMOVED	4
											381								381	SPECIA	L 20270000	381	FT	FILL AND PLUG EXISTING CONDUIT	4
													170	9222					9222	202	75000	9222	FT	FENCE REMOVED	\perp
													139				1		139	202 202	75610 98100	139	EACH EACH	VALVE BOX REMOVED REMOVAL MISC.: REMOVE AND RE-ERECT BUS SHELTER	0,0
																	- '		1	202	90100	+ '	EACH	REMOVAL MISC.: REMOVE AND RE-ERECT BUS SHELTER	85
									LS										LS	202	98000	LS		REMOVAL MISC.: BILLBOARD REMOVED	4.
									12										12	202	98100	12	EACH		
									166										166	202	98200	166	FT	REMOVAL MISC.: WALL REMOVED	84
																					1				_
										166597									166597	203	10000	166597		EXCAVATION AC DED BLAN	
				_						3881 178228									3881 178228	203 203	10001 20000	3881 178228	CY CY	EXCAVATION, AS PER PLAN EMBANKMENT	4.
										110220									110220	203	20000	110220		LINDAMMENT	+
434		315														3905			182654	204	10000	182654	SY	SUBGRADE COMPACTION	
										9666									9666	204	13000	9666	CY	EXCAVATION OF SUBGRADE	
										9784									9784	204	30010	9784	CY	GRANULAR MATERIAL, TYPE B	
91																			91	204	45000	91	HOUR	PROOF ROLLING	+
	0.45																		0.45	209	60501	0.45	MIL F	LINEAR GRADING, AS PER PLAN	4.
	0.70																		0.70	1 200	1 00007	1 0.70	1,112	EMEAN ONDERGY NO FER FEAT	– "
								2362.5	5										2362.5	606	15050	2362.5	FT	GUARDRAIL, TYPE MGS	
								200											200	606	17350	200	FT		
								8											8	606	26100			ANCHOR ASSEMBLY, TYPE E	
								9											9	606	26500	9		ANCHOR ASSEMBLY, TYPE I	-
				_				14											14	606	35000	14	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE I	+
								5											5	606	35100	5	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	+
								1											1	606	60040	1	EACH		
								1											1	606	60041	1	EACH	IMPACT ATTENUATOR, TYPE 3 UNIDIRECTIONAL, AS PER PLAN	4:
														20.45					20.45		07001	00.45			┿.
														8045 6					8045 6	607 607	23001 50900		FT	FENCE, TYPE CLT, AS PER PLAN GATE, TYPE CL	40
														6679					6679	607	70000		FT		+
		1000												0073					1000	607	98000		FT	FENCE, MISC.: TEMPORARY CONSTRUCTION FENCE	4:
																								,	
				$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$				9081											9081	608	10000	9081	SF	4" CONCRETE WALK	\bot
		1000			1			76568	-	 								220	76788	608	13000	76788		6" CONCRETE WALK	+
		1000		-	1			7		 									7	608	21200 40000	1000	SF FT	TEMPORARY ASPHALT CONCRETE WALK CONCRETE STEPS, TYPE A	4.
				+	+ +			7358									+		7358	608 608	52003	7358		CURB RAMP, AS PER PLAN A	4.
				\dashv	+ +			1330											1300	1 000	32003	1300	"	Sold from y no real real n	+
								345											345	608	52003	345	SF	CURB RAMP, AS PER PLAN B	4.
								1115											1115	608	52003	1115	SF	CURB RAMP, AS PER PLAN C	4.
(MK 5	5/2/16 R	ARRIFR RFI	MOVFD	QUANTI	TY REVISE	D - MOT S	SUMMARY	1634									1		1634	608	52003	1634	SF	CURB RAMP, AS PER PLAN D	4.
		DDED BILLE						<u>661</u>		 	-						+		661 415	608 608	52003 52003	661 415	SF SF	CURB RAMP, AS PER PLAN E CURB RAMP, AS PER PLAN F	4.
						SSOCIATED	QUANTITES ADDED			 							+ +		410	000	32003	415	1 31	COND NAME, AS FER FLAN F	+ 4.
		TILITY POL	F FOU	VD V T I OI	N PEMOVA	OLIANITITE	ES ADDED	\neg	+		_	1	-	-	-		+		500	1	+	1			+
MK 3. JEM 4	1/6/16 U						L3 ADDLD	566											1 566 1	608	52030	566	SF	CURB RAMP. TYPE B1	
MK 3. JEM 4 JEM 4	1/6/16 BF	GAS STA	TION P	ARCEL/	ACCESS R			566 35813										100	566 35913	608 608	52030 98000	566 35913	SF SF	CURB RAMP, TYPE BI WALKWAY, MISC.: 6" DECORATIVE CONCRETE WALK	4:

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42	43 44	45 46	47	48	49	50 55	63 64	65 66 67	68 87	SHEET NUMBER 312	325	328 336	355	356	367	368	369	370 699	851	970	1183 1237	PARTICIPATION 01/IMS/PV 04/IMS/ 01/AKRN	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SHE SHE
42	4) 44	40 40	41	40	49	30 33	03 04	05 00 07	00 01	312	323	320 330	333	330	307	300	309	310 099	031	910	1100 1231	OT/AKRN			TOTAL		ROADWAY (CONT.)	NO
										672												672	622	10060	672	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B	+
									1250													4488	622	10100	4488	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE BI	\top
										3375												3375	622	10121	3375	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN	4
										3783												3783	622	10160	3783	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
										456												456	622	10161	456	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN A	4
										20												20	622	10161	20	FĪ	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN B	4
										12												20	622	10161	12	FI	CONCRETE BARRIER, SINGLE SLOPE, TIPE D, AS PER PLAN C	1 4
									2	2												4	622	10200	4	EACH	BARRIER TRANSITION	+
										12												12	622	10201	12	EACH	BARRIER TRANSITION, AS PER PLAN A	4
										1												1	622	10201	1	EACH	BARRIER TRANSITION, AS PER PLAN B	4
																												\perp
										- 1												1	622	10201	- 1	EACH	BARRIER TRANSITION, AS PER PLAN C	4
										I												1	622	24840	1 -	EACH	CONCRETE BARRIER END SECTION, TYPE B	+
										5													622	25000	5	EACH	CONCRETE BARRIER END SECTION, TYPE D	+
									1	(8)												(69)	622	25004 25006	(8)	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B	+
									4	65												(09)	622	23000	(09)	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE BI	+
										26												26	622	25009	26	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C, AS PER PLAN	4
										52												52		25050				
										32												32	622		52	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	+
										7												7	622	25051	7	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN	4
36																						36	623	38500	36	EACH	MONUMENT ASSEMBLY	+
16																						16	623	39500	16	EACH	MONUMENT BOX ADJUSTED TO GRADE	+
1.0																							020	30000		2.1011	individual in the second of th	十
																2						2	625	32000	2	EACH	GROUND ROD	
		9																				9	SPECIAL	69098000	9	EACH	MISC.: VERTICAL CLEARANCE	+
		1 ,																					JI LUIAL	03030000	-	LACII	MIJO. TENTIONE GEENINGE	+
												27484										27484	861	10000	27484	SY	GEOGRID FOR SUBGRADE STABILIZATION	\perp
																											EROSION CONTROL	+
													7									7	601	11000	7	SY	RIPRAP USING 6" REINFORCED CONCRETE SLAB	+
										1264												1264	601	20000	1264	SY	CRUSHED AGGREGATE SLOPE PROTECTION	+
										3869												3869	601	21000	3869	SY	CONCRETE SLOPE PROTECTION	
				8								11										19	601	21050	19	SY	TIED CONCRETE BLOCK MAT, TYPE I	
													6									6	601	32100	6	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
													13									13	601	32200	13	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	+
	2																					2	659	00100	2	EACH	SOIL ANALYSIS TEST	+
	2203	4																				22034	659	00300	22034	CY	TOPSOIL	
		453	3									198055										198508	659	10000	198508	SY	SEEDING AND MULCHING	
	9925																					9925	659	14000	9925	SY	REPAIR SEEDING AND MULCHING	\perp
	9925																					9925	659	15000	9925	SY	INTER-SEEDING	\perp
	27.0	,																				27.00	CEO	20000	27.00	TON	COMMEDIAL FEDTILIFED	-
	27.69																					27.69 41.01	659 659	20000 31000	27.69 41.01	TON ACRE	COMMERCIAL FERTILIZER LIME	+
	1099																					1099	659	35000	1099	MGAL	WATER	+
	447																					447	659	40000	447	MSF	MOWING	+
																								10000				土
													2687									2687	670	00700	2687	SY	DITCH EROSION PROTECTION	\perp
		+ + -			2050		400															2450	SPECIAL	69065010	2450	TON	WORK INVOLVING SOLID WASTE	4
				500																		500	SPECIAL	69065016	500	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	4
				1000	5000		500									\rightarrow							SPECIAL	69065022	1000	GAL	WORK INVOLVING NON-REGULATED WATER	4
					5000		500							+			+						SPECIAL SPECIAL	69065024 69065100	5500 50	GAL TON	WORK INVOLVING REGULATED WATER WORK INVOLVING CONSTRUCTION DEBRIS	4
					00																		JI LUIML	55000100		1011	NO. MIGETING CONSTRUCTION DEDING	
																		LS				LS	832	15000	LS	F15:	STORM WATER POLLUTION PREVENTION PLAN	工
														+			5.	58000				558000	832	30000	558000	EACH	EROSION CONTROL	+
		+ +	-					+ + + + +			+		849									849	836	10000	849	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I	十
													010	-								V 10		.0000	"	J'	SEEDING AND ENGOING CONTINUE WITH TOTAL DEPTH ON UNITED THE F	+
K 5		OTY REVIS																									DRAINAGE	\pm
S 4	4/6/16 E	BARRIER TI BARRIER. S	RANSI1 SINGI F	TION, SLOP	APP A. E. (TY	, DITCH PE C. A	EROSION F S PER PLA	PROTECTION, CO	ONCRETE JANTITES	UPDATER	,		9.2									9.2	602	20000	9.2	CY	CONCRETE MASONRY	工
- 1					.,	,				. 2				+		+									-			+

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ICE 42			1 1									I								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14/14/2	ITEM I I	ITEM EVT	GRAND	UNIT	DESCRIPTION	CUT
.63 42	2 43 44	45 46 47	48 49 5	50 55	63 64	65 6	66 67	68	87	312	325 3	28 336	355	356 367	368 .	369 37	0 699	851 970 1	183 123	OI/IMS/PV	7471M37 1)T/AKRN	ITEM I	TEM EXI.	TOTAL	UNIT	DESCRIFTION	SHE.
KMK		JANTITY REVIS		-REINFORC	CED CON	NCRETE F	PAVT.							,						,		CII	00771		E A CU	DRAINAGE (CONT.)	
MS	4/6/16 QL DATE	JANTITIES UPD	ATED ESCRIPTIO I	NI .										6						6		611 611	98371 98470	6	EACH EACH	CATCH BASIN, NO. 6, AS PER PLAN CATCH BASIN, NO. 2-2B	97
	MPLETED		ESCRIPTION	IN										1						1		611	98540	1	EACH	CATCH BASIN, NO. 2-4	+
	IVII CETEB													1						i		611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	+
														1						1		611	98700	1	EACH	INLET, SIDE DITCH	1
+														14						14		611	98811	14	EACH	INLET, NO. 3C, AS PER PLAN	97
								+ +						3						3		611	99094	3	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B	+"
														14						14		611	99100	14	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE BI	+
														15						15		611	99114	15	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
														122						122		611	99574	122	EACH	MANHOLE, NO. 3	工
														21						21		611	99654	21	EACH	MANHOLE ADJUSTED TO GRADE	+
														7						7		611	99660	7	EACH	MANHOLE RECONSTRUCTED TO GRADE	+
			8									6								14		611	99710	14	EACH	PRECAST REINFORCED CONCRETE OUTLET	\top
		2																		2		611	99720	2	EACH	INSPECTION WELL	
														1						1		611	99855	1	EACH	WATER QUALITY BASIN, DETENTION, AS PER PLAN	97
			11800					+												11800	SP	PECIAL	61199820	11800	LB	MISCELLANEOUS METAL	40
+			nooo																	11000	J.	LOIML	01103020	11000	בט	MIJOLLENILOUS MEINE	
\perp			300																	300		613	41200	300	CY	LOW STRENGTH MORTAR BACKFILL	#
+								+ +	+						+ +		+	1 1		1	S.P.	PECIAL &	69065300	1	EACH	GROUND WATER MONITORING WELL ABANDONMENT	4
																		1		1			69065310	1	EACH	GROUND WATER MONITORING WELL RECONSTRUCTION	40
														440						440				440	F. T	TOCKOL DOLLA WITH CTANDADA COLTE	#
														448						448		839	30000	448	FT	TRENCH DRAIN WITH STANDARD GRATE	+
																										PAVEMENT	工
	650																			650		251	01000	650	SY	PARTIAL DEPTH PAVEMENT REPAIR	+
																				9196		252	01500	9196	FT	FULL DEPTH PAVEMENT SAWING	士
	CEO																			050		25.7	01000	CEA	CV	DAVENENT DEDAID	4
	650																			650		253	01000	650	SY	PAVEMENT REPAIR	+
1																				17962		254	01000	17962	SY	PAVEMENT PLANING, ASPHALT CONCRETE	\mp
1																	229			11073		301	46000	11073	CY	ASPHALT CONCRETE BASE, PG64-22	#
,																				28101		302	46000	28101	CY	ASPHALT CONCRETE BASE, PG64-22	士
																	61			61		304	20000	61	CY	AGGREGATE BASE	+
																	- 0,			9912			20001	9912	CY	AGGREGATE BASE, AS PER PLAN A	4.
9																				19839			20001	19839		AGGREGATE BASE, AS PER PLAN B	4.
		158																		158			20001	158	CY	AGGREGATE BASE, AS PER PLAN C	4.
														54 76						106	24	407	10000	130	GAL	TACK COAT	+
)								+ +						34 10			124			1693			40720500		GAL	TACK COAT, TRACKLESS TACK	4.
3																	12 1			11643	SP	PECIAL	40720510	11643	GAL	TACK COAT, TRACKLESS TACK FOR INTERMEDIATE COURSE	4.
_														20 70						2700			10000	0407	0.,		工
7								+						26 36 60 84						2396			10000	2407	CY CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	+
	920							+						00 04						5755 920			10200 50200	5781 920	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	+
	320							+ +									58			58			50400	58	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS)	+
	147																- 00									ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER	+
	147																			147		441	50701	147	CY	GUARDRAIL), AS PER PLAN	4.
																				3568		442	10050	3568	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE B (446)	+
8																				4316		442	10150	4316	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (446)	+
																				3117		451	14010	3117	SY	9" REINFORCED CONCRETE PAVEMENT, CLASS QCI	4.
																					2172	451	14011	2172	SY	9" REINFORCED CONCRETE PAVEMENT, CLASS OCI, AS PER PLAN "A"	4.
																						451	14011		CV.		+
																					683	451	14011	683	SY	9" REINFORCED CONCRETE PAVEMENT, CLASS OCI, AS PER PLAN "B"	4.
								+									+						20000	554	SY	REINFORCED CONCRETE PAVEMENT, MISC.: CONCRETE HEADER	4.
																				1193			45130000	1193	FT	PRESSURE RELIEF JOINT, TYPE A	40
																	2			2		452	10050	2	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS	+
								+ +						1474 6842			434			7962		452	12050	8750	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS	+
~ I	1 1		 					+						0042	+ +		754			(26063)		452	15010	(26063 ₎	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC WS	+
3 }			1 1																								1

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ICE	,, l	,		1,, 1	4-	4.	,,	- I			.,		^-	- ^ -	^7	710	705	700	770	7FF	75.	707	700	77^	C00	051 070	, ,,,,	01 /11/0 /0	04/IMS/	ITEM	ITEM EXT.	GRAND	UNIT	DESCRIPTION	SHE
_CS	42 43	3 44	45	46	47	48	49	50	55 63	6	65	66	67	68	87	312	325	328	336	355	356	367 368	369	370	699	851 970 118	3 1237	01/IMS/PV	OT/AKRN		112 2.11	TOTAL	V.II.		SHEE NO.
																															40074		5100	LANDSCAPING (CONT.)	+-
																											53	53		661	40031	53	EACH	DECIDUOUS TREE, 6' HEIGHT, CRUSADER HAWTHORN, AS PER PLAN	1225
																											76		76	661	40101	76	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, PRINCETON ELM TREE GRATE, AS PER PLAN	122
																											53	53		661	40101	53	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, PRINCETON ELM TREE, AS PER PLAN	122
																											3		3	661	40101	3	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, FRONTIER ELM TREE GRATE, AS PER PLAN	122
																											22		22	661	40101	22	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, SKYLINE HONEYLOCUST, AS PER PLAN	122
																											22		22	001	10101	- 22	LACIT	DEGIDOOD THEE, 2 1/2 ORLIFER, SHIERE HORE ECOOST, AS FER FERR	- 122
																											15		15	661	40101	15	EACH	DECIDUOUS TREE, 2-1/2" CALIPER, IVORY SILK JAPANESE LILAC TREE, AS PER PLAN	12
																											177	177		661	50121	177	EACH	EVERGREEN TREE, 6' HEIGHT, WHITE SPRUCE, AS PER PLAN	12
																											1		1	661	99900	1	EACH	PLANTING, MISC.: SKYLINE HONEYLOCUST (4" B&B)	122
																																		RETAINING WALLS	T
																																		FOR RETAINING WALLS GENERAL SUMMARY & MODULAR CONCRETE BLOCK WALL, SEE SHEETS 1619-1620	
																																		BUILDING DEMOLITION	\bot
																							LS					LS		202	56000	LS		BUILDING DEMOLISHED: PARCEL #5 - 841 SOUTH BROADWAY, 2-STORY BRICK	6
																																		OFFICE/WAREHOUSE	+
																							LS					LS		202	56000	LS		BUILDING DEMOLISHED: PARCEL #5A - 855 SWEITZER, BRICK OFFICE/WAREHOUSE	6.
																							LS					LS		202	56000	LS		BUILDING DEMOLISHED: PARCEL #57 - 66 WEST SOUTH, 2-STORY FRAME & GARAGE	6
									10																			1.0		SPECIAL	60000400	1.0		MISC.: NOTIFICATION AND COORDINATION: PARCEL #5 - 841 SOUTH BROADWAY STREET	+
									LS																			LS			69098400	LS		MISC.: NOTIFICATION AND COORDINATION: PARCEL #3 - 041 SOUTH DROADNAT STREET	+
									LS																			LS		SPECIAL	69098400	LS		MISC.: NOTIFICATION AND COORDINATION: PARCEL #5A - 855 SWEITZER AVENUE	6
									LS																			LS		SPECIAL	69098400	LS		MISC.: NOTIFICATION AND COORDINATION: PARCEL #57 - 66 WEST SOUTH STREET	6
									LS																			LS		SPECIAL	69098400	LS		MISC.: ABATEMENT OF REGULATED UNIVERSAL AND HAZARDOUS MATERIAL/WASTE: PARCEL *5 - 841 SOUTH BROADWAY STREET	6
									LS																			LS		SPECIAL	69098400	LS		MISC.: ABATEMENT OF REGULATED UNIVERSAL AND HAZARDOUS MATERIAL/WASTE:	6
									LS																			LS		SPECIAL	69098400	LS		PARCEL #5A - 855 SWEITZER AVENUE MISC.: ABATEMENT OF REGULATED UNIVERSAL AND HAZARDOUS MATERIAL/WASTE:	6
-									LJ	<u> </u>																		LJ		JI LUIAL	0000000	1.5		PARCEL #57 - 66 WEST SOUTH STREET	+
																																		NOISE BARRIERS	丰
																																		FOR NOISE BARRIERS GENERAL SUMMARY, SEE SHEET 815	+
																																		STRUCTURES	\perp
																																		FOR BRIDGE NO. SUM-76-1034 L/R ESTIMATED QUANTITIES, SEE SHEET 1242	
																																		FOR BRIDGE NO. SUM-76-1041 L/R ESTIMATED QUANTITIES, SEE SHEET 1304	
																																		FOR BRIDGE NO. SUM-76-1043 ESTIMATED QUANTITES, SEE SHEET 1365	+
																																		FOR BRIDGE NO. SUM-76-1044 ESTIMATED QUANTITIES, SEE SHEET 1394	+
																																		,	+
																																		FOR BRIDGE NO. SUM-76-1051 ESTIMATED QUANTITIES, SEE SHEET 1426	+
																																		FOR BRIDGE NO. SUM-76-1075 ESTIMATED QUANTITIES, SEE SHEET 1468	\perp
																																		FOR BRIDGE NO. SUM-76-1085 ESTIMATED QUANTITIES, SEE SHEET 1510	
																																		FOR BRIDGE NO. SUM-SOUTH-0036 ESTIMATED QUANTITIES, SEE SHEET 1545	
\top																																		FOR BRIDGE NO. SUM-BARGE-0116 ESTIMATED QUANTITIES, SEE SHEET 1587	+
																																			土
				+-		1			-					500														500		410	12000	500	CY	MAINTENANCE OF TRAFFIC TRAFFIC COMPACTED SURFACE, TYPE A OR B	+
														500														500		410	13000	500	CY	TRAFFIC COMPACTED SURFACE, TYPE C	
MZ	E /0) /16 T 6			DDA	INIACE		TED	DATNIC	VVID	CP C	V D D C	EDI		450													450		611	97011	450	FI	SLOTTED DRAIN, TYPE 2, AS PER PLAN	68
MK MK	5/2 3/28	2/16 C 8/16 F	REMO\	/E ITE	שאט MS F	OR P	<u>-SLUT</u> ARCEL	#57	NKAIN2	ANU	∩ <u>R</u> -P	AUUL	<u></u>	-	L2.		·····	·····	·····			l	J	<u></u>	Jum	ululu	J.,	2	J	611	98371	2	EACH	CATCH BASIN, NO. 6, AS PER PLAN	$ \frac{68}{100}$
													\rightarrow		2		1	1	1				1		1		1	2		611	99500	2	EACH	INLET, MISC.: REMOVE, PROTECT AND RECONSTRUCT BARRIER MEDIAN INLET	68

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CE - CS 4	12 43	44 45	46	47 48	49 5	50 55	63 64	65 66 67	68	87	312 325 328	336	355	356	367 368	369	370 699	851	970 1183	1237	OIZIMSZPV 04/IM	S/ ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SHEE NO.
,5 9	12 43	44 43	40	47 40	43 3	33	03 04	03 00 07	00	01	312 323 320	330	333	330	301 300	303	310 033	031	310 1103	1231	OI/IMS/PV O4/IM OT/AK	RN		TOTAL		MAINTENANCE OF TRAFFIC (CONT.)	NO.
								1500													1500	614	11110	1500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
								40		25											40	614	11500	40	MNTH	WORKSITE TRAFFIC SUPERVISOR	丰
										25 -2											25 2	614 614	12336 12338	25 - 2	EACH FACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL) WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL)	_
								12													12	614	12410	12	EACH	SPEED ZONE AHEAD SYMBOL SIGN	
					+++			LS													LS	614	12420	LS		DETOUR SIGNING	+
								12													12	614	12470	12	EACH	WORK ZONE SPEED LIMIT SIGN	
								12		1194											12 1194	614 614	12484 12800	12	EACH EACH	WORK ZONE INCREASED PENALTIES SIGN WORK ZONE RAISED PAVEMENT MARKER	_
							200		100	1194											300	614	13000	1194 300	CY	NOM ZUNE HAISEU FAVEMENT MARKER ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	+
										072											072	CIA	17700	072	FACIL	DADDIED DESI ESTAD. TARE D	\bot
										932											932	614	13300	932	EACH	BARRIER REFLECTOR, TYPE B	+,
										3											3	614	18000	3	EACH	MAINTAINING TRAFFIC, MISC.: TEMPORARY DRAINAGE OUTLET FOR MOT	71
					++			108		6.07											6.07	614 614	18601 20000	108 6.07	SNMT MILE	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN WORK ZONE LANE LINE, CLASS I	67
										6.03											6.03	614	20001	6.03	MILE	WORK ZONE LANE LINE, CLASS I, AS PER PLAN	68
										1.80											1.80	614	21000	1.80	MILE	WORK ZONE CENTER LINE, CLASS I	+-
										14.88											14.88	614	22000	14.88		WORK ZONE EDGE LINE, CLASS I	
										23.12											23.12	614	22001	23.12		WORK ZONE EDGE LINE, CLASS I, AS PER PLAN	68
										5944 89088											5944 89088	614 614	23000 23001	5944 89088	FT FT	WORK ZONE CHANNELIZING LINE, CLASS I WORK ZONE CHANNELIZING LINE, CLASS I, AS PER PLAN	68
										540 6905											540 6905	614 614	24200 24201	540 6905	FT FT	WORK ZONE DOTTED LINE, CLASS I, 642 PAINT WORK ZONE DOTTED LINE, CLASS I, 642 PAINT, AS PER PLAN	68
										1136											1136	614	26000	1136	FT	WORK ZONE STOP LINE, CLASS I	
									20	35											35 20	614 614	30000 40051	35 20	EACH EACH	WORK ZONE ARROW, CLASS I BUSINESS ENTRANCE SIGN, AS PER PLAN	68
									20												20	011		20	LAUII		
					+			LS	_	16086			-								LS 16086	615 615	10000 20000	LS 16086	SY	ROADS FOR MAINTAINING TRAFFIC PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	67
										10000											10000	013	20000	10000	31	FAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	+
								740)												740	616	10000	740	MGAL	WATER	\mp
									+	53048	3									\ \{	53048	622	41011	53048	FT.	PORTABLE BARRIER, 50", AS PER PLAN	67
										755											755	622	41031	755	FT	PORTABLE BARRIER, 50", BRIDGE MOUNTED, AS PER PLAN	67
										2											2	625	10500	2	EACH	LIGHT POLE, MISC.: REMOVE, SALVAGE AND RE-ERECT MEDIAN LIGHT POLE WITH RECONSTRUCTION OF MEDIAN FOUNDATION	68
																											士
								156.0	0				-								156.0 3	630 630	07500 75000	156.0 3	FT EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, WIOX22 SIGN ATTACHMENT ASSEMBLY	+
								320.	0												320.0	630	80200	320.0		SIGN, GROUND MOUNTED EXTRUSHEET	+
										395.0											395.0	630	81304	395.0	SF	SIGN ERECTED, TEMPORARY OVERLAY	
								8													8	630	84500	8	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	+
										,											1	630	85101	,	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN	
					++			12		·											12	630	85400	12	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	+
								18													18	630	86102	18	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	1
																					q				E40U		+
								9														630	86292	9	EACH	REMOVAL OF GROUND MOUNTED WOODEN BOX BEAM SUPPORT AND DISPOSAL	\perp
								3													3	630	87400	'	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	+
										1											1	630	97700	1	EACH	SIGNING, MISC.: REMOVE, SALVAGE AND RE-ERECT CONCRETE MEDIAN BARRIER-MOUNTED MILE MARKER	68
																							1			INCIDENTAL S	+
																						SPECIAL	10810000	LS		CPM PROGRESS SCHEDULE	丰
	1	1																				614	11000	LS		MAINTAINING TRAFFIC	+
MK MS		BARRIE						$\dashv \bot \bot$																	I M I T · ·		1
MS	4/7/16	IMPACT	TATTEN	NUATOR	(UNI/BI)	QUANTI	TY REVISION	NC HICK														619	16021	40	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN	45
IEP IEP	3/30/16	PCB AN					EVISION	-														623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	土
1.1	1 4/14/10	- M.U. Fl	OIN IVIO	1 QUAIN	11 1 1.7 ⊑ A	$I \cap I \cap I \setminus I$		1 1 1																			1

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				601	606	606	606	606	609	609	622	622	622	622	622	622	622	622	622	622	622	622	622		FOR DEDUC	T INFO ONLY		1 LED
PLAN SHEET NO.	REFERENCE NO.	STATION	PARTICIPATION (01/IMS/PV OR 04/IMS/OT/AKRN)	CONCRETE SLOPE PROTECTION	GUARDRAIL, TYPE MGS	BRIDGE TERMINAL ASSEMBLY, TYPE	BRIDGE TERMINAL ASSEMBLY, TYPE 2	IMPACT ATTENUATOR, TYPE 3 UNIDIRECTIONAL	CURB, TYPE 4-A	CURB, TYPE 4-C	CONCRETE BARRIER, SINGLE SLOPE, TYPE B	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	BARRIER TRANSITION	BARRIER TRANSITION, AS PER PLAN A	BARRIER TRANSITION, AS PER PLAN B	CONCRETE BARRIER END SECTION, TYPE B	CONCRETE BARRIER END SECTION, TYPE D	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE BI	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C, AS PER PLAN	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	BARRIER INLET	MEDIAN LIGHT POLE FOUNDATION	MEDIAN LIGHT TOWER FOUNDATION	MEDIAN SIGN SUPPORT	CALGULAT BLW CHECKEE
		FROM TO		SY	FT	EACH	EACH	EACH	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	20 FT EA	8 FT EA	10 FT EA	10 FT EA	11
375 375 375 375 375	GR1 GR2 CB1 CB2 CB3	I.R. 76 454+39.50 455+00.00 LT 454+13.10 455+00.00 RT 455+00.00 455+30.59 LT 455+00.00 455+45.00 RT 455+30.59 458+50.00 LT	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV		62.5 62.5	1	1						270.5	1.6		1			1 1			1	1 1	1				
375 375 376 376	CB4 CB5 CB3 CB4	455+00.00 458+50.00 MED 455+45.00 458+50.00 RT 458+50.00 465+00.00 LT 458+50.00 468+50.00 MED	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV									737.0	206.0 550.0		1	1					7	3 4		1 2 2 3	2	2	1	MMAR
376 378 378 378	CB5 CB4 CB6 CB7	458+50.00 458+53.33 RT 468+50.00 473+44.36 MED 469+54.00 473+74.36 LT 476+01.68 478+50.00 LT	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV									354.4	3.4	320.4 233.4							6		4	2 2		1		SUBSU
378 378 378 378	CB8 CB9 EC1 EC1A	475+71.69 478+50.00 MED 475+30.90 478+50.00 RT 473+33.27 474+13.55 RT/L1 473+33.27 474+13.55 RT/L1	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV	54.7 394.2								238.4		254.1							2		3	1		1		M A ∀
378 378 379 379	EC2 EC2A CB7	474+91.05 475+69.43 RT/LT 474+91.05 475+69.43 RT/LT 478+50.00 479+88.75 LT 478+50.00 479+59.45 MED	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV	53.1 263.8								69.5		123.8							2		1			1		ROAD
379 379 379 379 379	CB9 CB10 CB11 CB29	478+50.00 479+24.92 RT 482+64.18 482+65.98 LT 482+34.88 488+50.00 MED 482+65.98 483+55.36 LT	01/IMS/PV 01/IMS/PV 01/IMS/PV									485.2		60.0			1				6		1	1		2		- - - -
379 379 379 379 379	CB12 C94 C95 EC3	483+55.36 488+50.00 LT 482+06.85 482+30.40 RT 482+30.40 483+07.31 RT 479+53.32 480+28.15 RT/LT	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV	49.3					23.6	76.9	389.7									5				1			1	- - -
379 381 381 381	CB11 CB12 CB13	481+64.38 482+30.52 RT/LT 488+50.00 498+50.00 MED 488+50.00 489+80.37 LT 489+90.45 490+23.43 LT	01/IMS/PV 01/IMS/PV 01/IMS/PV 01/IMS/PV	47.5							130.4	630.0		3.0							16		2	5		2	1	- - - -
381 381 381 381	CB13 CB14 CB15 CB16	489+80.37 491+55.00 LT 490+60.00 491+36.00 RT 490+23.43 493+64.33 LT	01/IMS/PV 01/IMS/PV 01/IMS/PV					1			59.7		280.9	46.0		1		1		3		6	2	3				<u> </u>
381 381 381	CB17 CB18 CB19 CB20	491+36.00 495+16.76 RT 493+64.33 498+50.00 LT 495+16.76 498+50.00 RT NOT USED	01/IMS/PV 01/IMS/PV 01/IMS/PV										320.8 358.2 234.0	87.7 79.4		1						6	6 2	3 3 1				-10.00
381 381 382	CB21 EC4A EC4B CB11	NOT USED 493+72.90	01/IMS/PV 01/IMS/PV 01/IMS/PV	13.3 10.5								534.9	20.5	050.0	1	1					المنتب			2	5		1	NM-76
382 382 382	CB18 CB19 CB22	498+50.00 501+65.00 LT 498+50.00 507+19.85 RT NOT USED	01/IMS/PV 01/IMS/PV										88.8	250.0 754.9		1			OTY REVI	SED-FROM B 1 SIONS PER CR DESCRII	PTION		5	2				
70 Jects		SUBTOTAL		886.4	125.0	1	1	1	23.6	76.9	579.8	3238.4		+	2	10	1	1	2	(8)	(65)	20	32					304
	5	SUBTOTAL (CARRIED TO SHEET 312)	886	125.0	1	1	1	24	77	580	3238	2402	2232	2	10	1	1	2	(ره)	(65)	20	32					1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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			SHEET	NUMBER				PARTICIPATION	I ITEM	GRAND TOTAL	LINITT	DESCRIPTION	SEE SHEET		
304	305	306	307	308	309	310	311	01/IMS/PV		TOTAL	UNIT	DESCRIPTION	NO.		
												ROADWAY			
125.0	1662.5	150.0	275.0	137.5	12.5			2362.5	606	2362.5	FT	GUARDRAIL, TYPE MGS			
	200							200	606	200	FT	GUARDRAIL, TYPE MGS, 25' LONG-SPAN			
	5	2	1	3	1			8 9	606 606	8	EACH EACH	ANCHOR ASSEMBLY, TYPE E ANCHOR ASSEMBLY, TYPE T			
1	4	2	2	4	1			14	606	14	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1			
ı	4			4	I			14	000	14	EACH	DRIDGE TERMINAL ASSEMBLT, TIFE T			
1	3			1				5	606	5	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2			
1								1	606	1	EACH	IMPACT ATTENUATOR, TYPE 3 UNIDIRECTIONAL			
	1							1	606	1	EACH	IMPACT ATTENUATOR, TYPE 3 UNIDIRECTIONAL, AS PER PLAN			
			4689		2198	1084	1110	9081	608	9081	SF	4" CONCRETE WALK			
		21297	20351	11735	11552	10275	1358	76568	608	76568	SF	6" CONCRETE WALK			
		100.4	1070	1000	0700	701		7	608	7	FT	CONCRETE STEPS, TYPE A			
		1284	1879	1096 345	2708	391		7358 345	608 608	7358 345	SF SF	CURB RAMP, AS PER PLAN A CURB RAMP, AS PER PLAN B			
				343				343	606	343	3F	CURD RAMP, AS PER PLAN D			
		552			367		196	1115	608	1115	SF	CURB RAMP, AS PER PLAN C			
		317			301	1317	100	1634	608	1634	SF	CURB RAMP, AS PER PLAN D			
		204		457				661	608	661	SF	CURB RAMP, AS PER PLAN E			
		88	189			138		415	608	415	SF	CURB RAMP, AS PER PLAN F			
		356	210					566	608	566	SF	CURB RAMP, TYPE B1			
		9220	11708	2010	7843	4585	447	35813	608	35813	SF	WALKWAY, MISC.: 6" DECORATIVE CONCRETE WALK			
						941		941	608	941	SF	WALKWAY, MISC.: 8" DECORATIVE CONCRETE WALK			
580			92					672	622	672	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B			
3238			32					3238	622	3238	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1			
2402	287	686						3375	622	3375	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN			
2232	1170	93	288					3783	622	3783	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D			
			456					456	622	456	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN A			
			20					20	622	20	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN B			
					12			12	622	12	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN C			
2		2						2	622	2	EACH	BARRIER TRANSITION			
10		2						12	622 622	12	EACH EACH	BARRIER TRANSITION, AS PER PLAN A BARRIER TRANSITION, AS PER PLAN B			
· ·									022	!	LACH	DANNIER TRANSPORTION, AS FER FLAN D			
			1					1	622	1	EACH	BARRIER TRANSITION, AS PER PLAN C			
1								1	622	1	EACH	CONCRETE BARRIER END SECTION, TYPE B			
2	2	1						5	622	5	EACH	CONCRETE BARRIER END SECTION, TYPE D			
(8)								(8)	622	(8)	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B			
(65)								(65)	622	(65)	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1			
								200	000		F + 6	COMPLETE DADDIED END ANGUEDAGE DETAGODOED TYPE O 10 DED CHILL			
20 32	2	5	4					26 52	622 622	26 52	EACH EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C, AS PER PLAN CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D			
32	- 11	5	7					7	622	7	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN			
			1					 	022	<u> </u>	LACH	COMMETE DANNIER, END ANCHORAGE, NEINLONGED, TIFE D, AS FER FLAN	+		
								1	1			EROSION CONTROL	1		
	1264							1264	601	1264	SY	CRUSHED AGGREGATE SLOPE PROTECTION			
886	1544	389	1026	24				3869	601	3869	SY	CONCRETE SLOPE PROTECTION			
						07:		22.	222	07:		PAVEMENT			
						971		971	609	971	FT	COMBINATION CURB AND GUTTER, TYPE 2			
	764	526		216	1093	101	140	101 2739	609 609	101 2739	FT FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN CURB, TYPE 2-A			
	104	320		210	1033	238	140	2739	609	2739	FT	COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN A	+		
						250		250	609	250	FT	COMBINATION CURB AND GUTTER, TIPE 3, AS PER PLAN A COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN B			
						201		201			 	Sample of the Sa			
24	179	35						238	609	238	FT	CURB, TYPE 4-A			
77	69							146	609	146	FT	CURB, TYPE 4-C			
		8463	8722	1806	3348	1975	438	24752	609	24752	FT	CURB, TYPE 6			
			391		107			498	609	498	FT	CURB, TYPE 7			
											-				
									-						
								1	1		I		+		
									I	NOTE:	TOTALS	CARRIED TO GENERAL SUMMARY			

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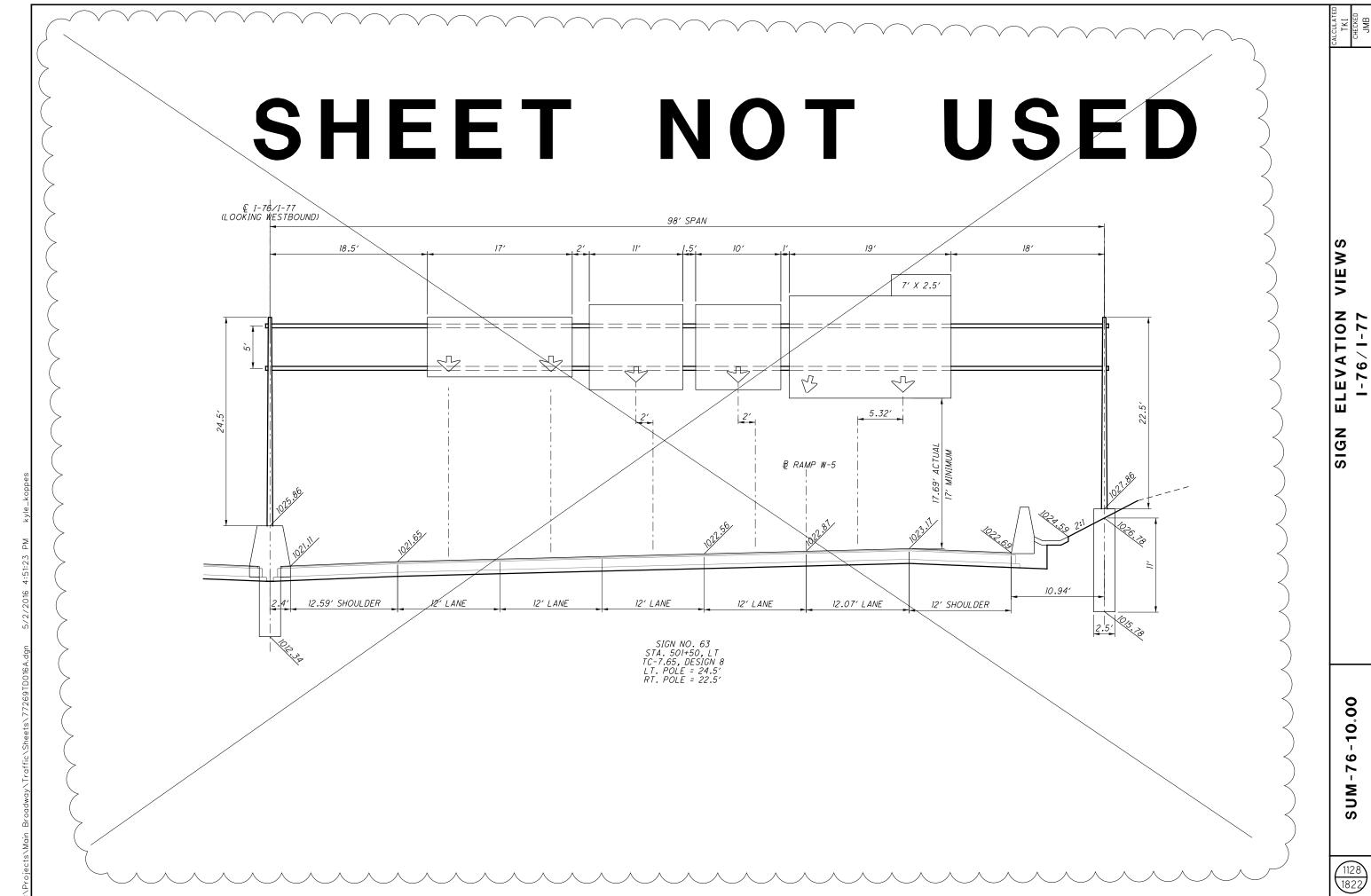
SUBSUMMARY ROADWAY

DESCRIPTION

KMK 5/2/16 QTY REVISED-FROM B TO BI END ANCHORAGE
KMS 4/7/16 QUANTITIES UPDATED PER CROSS SECTION REVISONS

SUM-76-10.00 REV. BY DATE

DATE COMPLETED





	ITEM EXT.		PARTICIPATION	TOTAL	UNIT	DESCRIPTION	MSE WALL 1	WALL 2	MCE WALL Z	MCF WALL	AMSE WALL I	5 MSE WALL 6	MSE WALL	7 MSE WALL 8	WALL 9	WALL 10	WALL 11	MODULAR	REF. SHEET
	ODOT	EXI.	02/IMS/BR	TOTAL	ONIT	DESCRIFTION	MSE WALL I	WALL Z	MSE WALL S	MSE WALL 4	MSE WALL S	MSE WALL O	MJE WALL I	/ MSE WALL 8	WALL 9	WALL 10	WALL II	BLOCK WALL	KEF. SHEET
	517	75120	416	416	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING)									416				
	517	76300	124	124	FT	RAILING, MISC.: REATTACH EXISTING HANDRAIL		124											(1626) 1822)
	518	21200	298	298	CY	POROUS BACKFILL WITH FILTER FABRIC									26	272			
	518	40000	730	730	FT	6" PERFORATED CORRUGATED PLASTIC PIPE									416	314			
	518	40010	61	61	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS									50	11			
																			670
	524	94703	445	445	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN									445				(676) (822)
	524	94803	405	405	FT	DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK, AS PER PLAN									405				(676) (822)
	524	94903	465	465	FT	DRILLED SHAFTS, 48" DIAMETER ABOVE BEDROCK, AS PER PLAN									465				(1676) 1822)
	524	94915	609	609	FT	DRILLED SHAFTS, 60" DIAMETER, ABOVE BEDROCK, AS PER PLAN									609				(1676) 1822)
	524	94919	136	136	FT	DRILLED SHAFTS, 60" DIAMETER, INTO BEDROCK, AS PER PLAN	l								[136]				(1676) (1822)
sadda	SPECIAL	53013000	6,720	6,720	SF	FORM LINER									6720				(1616) 1822)
yle_ko	601	37500	380	700	FT	DAVED CUTTED TYPE 1.2			70	00		42		10.7					
AM A	601			380		PAVED GUTTER, TYPE 1-2			79	96	60	42		103					
H:32:11	607	39920	559	559	FT	VANDAL PROTECTION FENCE, 10' CURVED, COATED FABRIC					394		165						
?II 9I 7	SPECIAL	61050010	309	309	SF	RETAINING WALL, MISC.: MODULAR CONCRETE BLOCK WALL												309	(845) (822)
7 / 07 / 4	SPECIAL	61060000	LS	LS		RETAINING WALL, MISC.: TEMPORARY WIRE FACED MSE WALL			LS	LS		LS	LS						(1617) & (1618) (1822) & (1618)
																			(617) & (1618) (1822) & (1622)
UUZ.agn	840	20000	80,889	80,889	SF	MECHANICALLY STABILIZED EARTH WALL	6488		4336	4977	9997	13849	34024	4900			2318		ies Re
W F	840	21000	27,900	27,900	CY	WALL EXCAVATION	1625		2926	5448	2175	4627	8915	1558			626		OO NATITIES
07//\	840	22000	8,079	8,079	SY	FOUNDATION PREPARATION	750		798	804	1088		3720	641			278		
Sueers	840	22001	1,735	1,735	SY	FOUNDATION PREPARATION, AS PER PLAN						1735							(1649) (1822) (1822) (1822) (1823) (1823)
	840	23000	60,848	60,848	CY	SELECT GRANULAR BACKFILL	2582		3854	4322	4909	10891	27628	5536			1126		SO" DIM
RED / W	840	25010	8,222	8,222	FT	6" DRAINAGE PIPE, PERFORATED	920		586	578	1150	1340	2821	462			365		FTS, 6
אַר -	840	25020	471	471	FT	6" DRAINAGE PIPE, NON-PERFORATED	25		52	45	60	133	77	10			69		D SHA
Broddwdy √ 5 I RUC I URES √ Wdl. LU I Shreets √ 7 Z69 W IEQUUZ.	840	26000	4,166	4,166	FT	CONCRETE COPING	450		295	300	593	653	1448	246			181		4/28/16 DRILLED SHAFTS, 60" DIAMETER 4/21/16 FORM LINER QUANTITY REVISION DATE DESCRIPTION
	840	26050	80,889	80,889	SF	AESTHETIC SURFACE TREATMENT	6488		4336	4977	9997	13849	34024	4900			2318		28/16 17 TE
Projects/Main	840	27000	13	13	DAY	ON-SITE ASSISTANCE	1		2	2	1	2	3	1			1		
roject	840	28000	LS	LS		SGB INSPECTION AND COMPACTION TESTING	LS		LS	LS	LS	LS	LS	LS			LS		DEB
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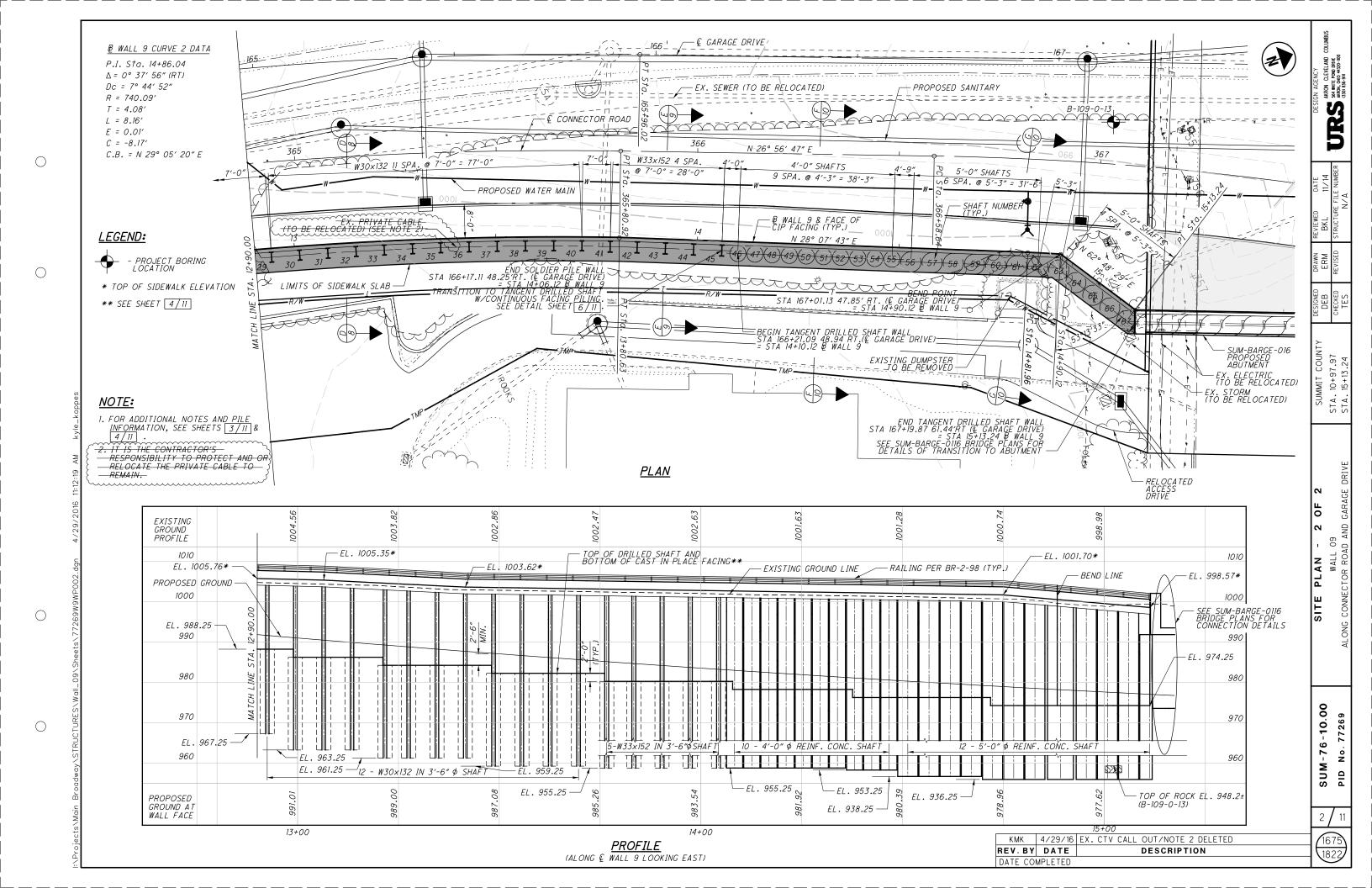
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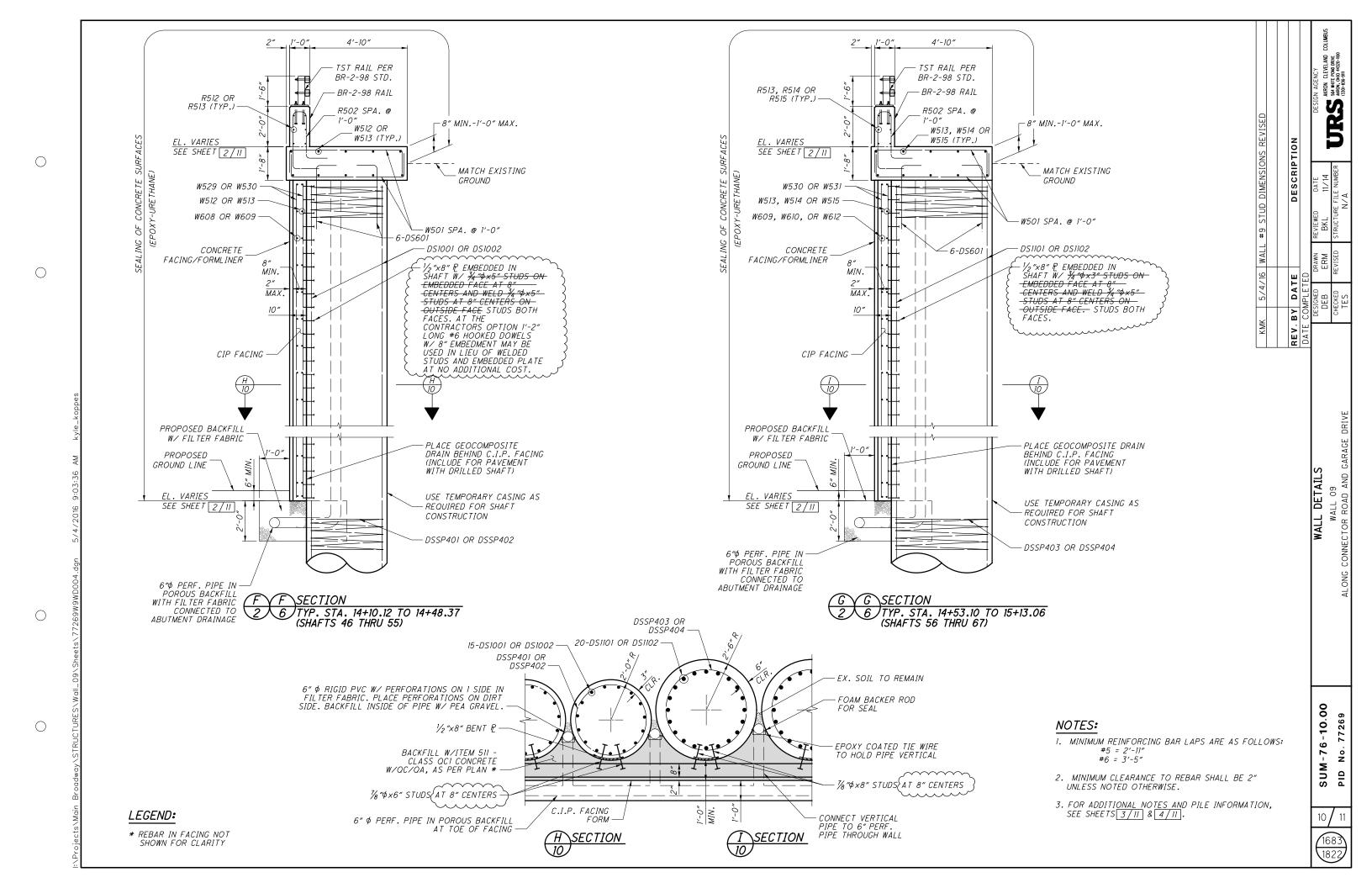
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QUANTITIES

WALL ESTIMATED

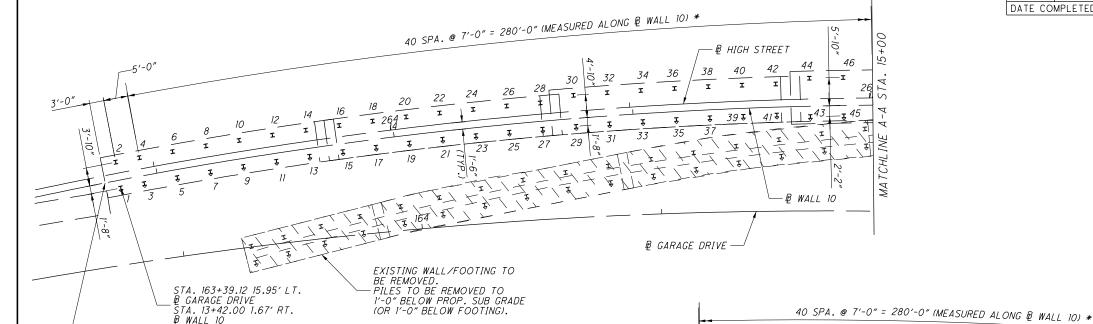
1620











0 2 5'-45%"	
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165 B WALL 10	- <u>-</u> - <u>-</u>
GARAGE DRIVE GARAGE DRIVE GARAGE DRIVE	
FOUNDATION PLAN FOUNDATION PLAN Column	3.29 23.55′LT. DRIVE 39
$\frac{\partial}{\partial r} \frac{\partial g}{\partial r}$	

992.50 958.0± 35' 15-28 35′ 29-42 989.25 958.0± 43-56 986.00 948.0± 40' 57-83 983.00 948.0± *35′*

PILING TABLE

ELEVATION

995.75

PILE CUTOFF EST. PILE TIP ESTIMATED

ELEVATION

960.0±

LENGTH

40'

LEGEND:

PILE NO.

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PROPOSED H PILE

STA. 163+36.11 17.51' LT. B GARAGE DRIVE STA. 13+39.00

- PROPOSED H PILE BATTERED 3:1 IN DIRECTION SHOWN
- PILE INDENTIFICATION NUMBER
- = DENOTES EX. PILE TO BE INCORPORATED IN PROPOSED FOOTING, SEE SHEET 3/12 FOR NOTES.



LIMITS OF EXISTING WALL AND FOOTING REMOVAL

* PILE SPACING MEASURED RADIALLY ALONG BASELINE

NOTES:

- ALL PROPOSED PILES SHALL BE HP 10x42.
- LOCATION OF THE EXISTING PILES ARE BASED ON THE EXISTING PLANS. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- THE EXISTING STRUCTURE SHALL BE REMOVED AS PER ODOT ITEM 202 EXCEPT WHERE COMPLETE REMOVAL IS NECESSARY TO AVOID CONFLICT WITH THE PROPOSED STRUCTURE. PAYMENT FOR ALL STRUCTURE REMOVAL SHALL BE INCLUDED WITH ITEM 202 - PORTIONS OF STRUCTURE REMOVED AS PER PLAN.
- 4. PILE CUT OFF ELEVATION EQUALS THE BOTTOM OF FOOTING PLUS 1'-0" EMBEDMENT.
- FOR ADDITIONAL PILE INFORMATION, SEE WALL GENERAL NOTES SHEETS (1616) THRU (1618) (1822)
- INCORPORATE EXISTING PILES INTO PROPOSED FOOTING WHERE SHOWN BASED ON EXISTING ELEVATIONS AND MIN. DISTANCE OF 1'-6" FROM CENTER OF PILE TO EDGE OF FOOTING, AS SHOWN IN THE FOUNDATION PLAN.
- PROPOSED PILES MAY BE ADJUSTED 1'-0" MAXIMUM LATERALLY TO AVOID INTERFERENCE WITH EXISTING PILES. NOTIFY THE ENGINEER OF ADJUSTMENTS EXCEEDING 1'-0" FOR HIS APPROVAL PRIOR TO DRIVING PILES.

TEMPORARY SHORING NOTES:

1. SHEET PILING FOR TEMPORARY SHORING AT WALL 10 SHALL_BE_ASTM A572 GR 50 STEEL WITH A MINIMUM SECTION MODULUS OF 69.3 IN /FT. A MINIMUM EMBEDMENT OF 30.0' BELOW THE BOTTOM OF EXCAVATION AND A MAXIMUM RETAINED HEIGHT OF 20.5'.

B HIGH

- 2. LIMITS OF THE TEMPORARY SHORING SHALL AT A MINIMUM BE AS SHOWN IN THE PLAN VIEW.
- 3. THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANS OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP SUM PRICE FOR COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN. NO ADDITIONAL PAYMENT WILL BE MADE FOR PROVIDING AN ALTERNATE DESIGN.

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