

CITY OF ROCHESTER, NEW YORK
DEPARTMENT OF ENVIRONMENTAL SERVICES



STREET IMPROVEMENT PROGRAM
**PORTLAND AVENUE
REVITALIZATION**

FROM LUX STREET TO
NORTON STREET

PROJECT LENGTH 2,750 FEET
PC 14105

PREPARED BY:



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Wendel WD Architecture, Engineering, Surveying and
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GENERAL

1. CONTRACTOR IS TO FOLLOW ALL PROVISIONS OF CITY OF ROCHESTER STANDARD SPECIFICATIONS, EXCEPT FOR THOSE AS REVISED IN SUPPLEMENTARY SPECIFICATION SECTION OF CONTRACT DOCUMENTS. REVISED SPECIFICATION PROVIDED IN SUPPLEMENTARY SPECIFICATION SECTION OF CONTRACT DOCUMENTS SUPERSEDES APPROPRIATE STANDARD SPECIFICATION.
2. CONTRACTOR IS TO USE CITY OF ROCHESTER STANDARD DETAILS, EXCEPT FOR THOSE PROVIDED IN CONTRACT DRAWINGS. DETAILS PROVIDED IN CONTRACT DRAWINGS SUPERSEDE APPROPRIATE STANDARD DETAIL.
3. CONTRACTOR IS TO OBTAIN WORK RELEASES FROM RESPECTIVE PROPERTY OWNER WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHT-OF-WAY, AND ON PRIVATELY OWNED PROPERTY. ONE (1) OF SUCH WORK RELEASES IS TO BE FILED WITH PROJECT MANAGER.
4. LOCATIONS OF EXISTING UTILITIES BOTH ABOVE GROUND AND BELOW GROUND THAT ARE SHOWN IN CONTRACT DRAWINGS ARE APPROXIMATE ONLY, AND ARE NOT GUARANTEED TO BE ACCURATE OR COMPLETE. ALL EXISTING UTILITIES SHOWN WERE PLOTTED FROM FIELD SURFACE SURVEY DATA AND IN CONJUNCTION WITH RECORD MAPPING SUPPLIED BY RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITIES LOCATED WITHIN WORK AREA VERIFIED BY RESPECTIVE UTILITY COMPANY. CONTRACTOR IS TO REQUEST UTILITY STAKE OUT MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCING ANY WORK, BY CALLING DIG SAFELY NEW YORK, UPO# AT 811.
5. ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS ARE TO BE PROTECTED, SAFEGUARDED AND PRESERVED. ALL RIGHT-OF-WAY MONUMENTS OR PROPERTY CORNERS THAT ARE DISTURBED BY CONTRACTOR'S OPERATIONS DURING CONSTRUCTION OF PROJECT ARE TO BE REPLACED BY NYS LICENSED SURVEYOR, AT CONTRACTOR'S EXPENSE.
6. SAW CUTS MADE IN ROADWAY ARE TO BE FULL DEPTH, WITH ALL OTHER SAW CUTS BEING MINIMUM OF 2 INCHES IN DEPTH. SAW CUTS WILL BE PAID FOR UNDER SECTION R622 SAW CUTTING, OR INCLUDED IN RESPECTIVE WORK RELATED ITEM, AS INDICATED IN CONTRACT DOCUMENTS. ALL SAW CUTS ARE TO BE SEALED WITH AN ASPHALT FILLER PER NYS DOT MATERIAL DESIGNATION 702-0500 OR 702-3401 COST OF WHICH IS TO BE INCLUDED IN UNIT PRICE BID FOR RESPECTIVE WORK RELATED ITEM.
7. FOR TEMPORARY PAVEMENT PLACEMENT DURING WINTER SEASON (NOVEMBER 1ST THRU APRIL 14TH), IF HOT MIX ASPHALT MATERIAL IS NOT AVAILABLE FOR CONSTRUCTING TEMPORARY PAVEMENT SECTION, CONTRACTOR IS TO USE CLASS F CONCRETE. IF PROJECT CALLS FOR USING ASPHALT TEMPORARY PAVEMENT SECTION AND PROJECT EXTENDS INTO WINTER SEASON, CONTRACTOR WILL BE RESPONSIBLE TO USE TEMPORARY PAVEMENT SECTION (CONSISTING OF CONCRETE REGARDLESS OF WHICH ITEM HAS BEEN BID FOR WORK. CONCRETE SECTION IS TO BE 4 INCHES THICK FOR STREETS DESIGNATED AS ARTERIAL, AND COLLECTOR STREETS, AND 3 INCHES THICK FOR STREETS DESIGNATED AS LOCAL RESIDENTIAL STREETS AND FOR ALLEYS. CONCRETE IS TO BE BROOM FINISHED.
8. SIDEWALK ACCESS RAMPS ARE TO BE LOCATED AND OF TYPE SHOWN IN CONTRACT DRAWINGS. HEADER CURB'OR SIDEWALK ACCESS RAMPS IS TO BE 5 FEET IN LENGTH, WITH TRANSITION CURBS BEING FROM 3 TO 7 FEET IN LENGTH.
9. WHERE NEW SIDEWALK IS TO BE CONSTRUCTED ADJACENT TO EXISTING PAVED AREAS, MINIMUM OF 2 FEET OF ADJACENT PAVED AREA IS TO BE REPLACED IN KIND.
10. EXISTING PAVED AREAS THAT ARE NO LONGER NEEDED ARE TO BE REMOVED, BY EXCAVATING TO DEPTH THAT IS SUFFICIENT TO REMOVE EXISTING PAVEMENT MATERIAL. BACKFILL EXCAVATED AREA TO WITHIN 4 INCHES OF FINISHED GRADE WITH SELECT BACKFILL MATERIAL EXCAVATED FROM PROJECT SITE. PLACE 4 INCHES TOPSOIL, FINISH GRADE AREA AND HYDROSEED. PER SECTIONS S610 LANDSCAPE, S613 TOPSOIL AND NYS DOT SECTION 203 EXCAVATION AND EMBANKMENT.
11. CONTRACTORS MUST CONTACT MCDOT DISPATCHER AT (585) 753-7750 MINIMUM OF 5 WORKING DAYS PRIOR TO REMOVING OR RESETING ANY TRAFFIC AND PARKING REGULATION SIGNS.

FORESTRY

1. CONTRACTOR IS TO BE AWARE OF AND FAMILIAR WITH REQUIREMENTS OF SECTIONS 89-9 TREES AND 89-12 PENALTIES OF CITY CODE AS THEY WILL BE STRICTLY ADHERED TO. CITY CODE CAN BE FOUND ON CITY OF ROCHESTER'S WEB SITE AT http://www.cityofrochester.gov/services_under_89-12_CHARTER_AND_CODE_ONLINE.
2. CONTRACTOR IS TO PROVIDE PROTECTION FOR ALL LIVING TREES WITHIN PROJECT LIMITS THROUGHOUT COURSE OF PROJECT, TO MINIMIZE AS MUCH AS POSSIBLE ANY DAMAGE FROM OCCURRING TO EXISTING TREES AS RESULT OF CONTRACTOR'S OPERATIONS. TREE PROTECTION IS TO CONSIST OF ORANGE CONSTRUCTION SAFETY FENCING OR WOOD RAILS PLACED AROUND AND COMPLETELY ENCOMPASSING EACH EXISTING TREE, AND IS TO BE IN PLACE BEFORE ANY WORK IS STARTED, PER SECTION 517 TREE PROTECTION AND CONTRACT DOCUMENTS.
3. OVERALL EXISTING TREE ROOT SYSTEM MUST REMAIN STRUCTURALLY ADEQUATE FOR EXISTING TREE TO WITHSTAND HEAVY WINDSTORMS. IF AREAS OF CURB/CONCRETE GUTTER/PAVEMENT WORK, ANY EXISTING TREE ROOTS THAT ARE 2 INCHES OR LARGER IN DIAMETER AND ARE IN CONFLICT WITH SUCH WORK, MUST BE INSPECTED BY CITY FORESTRY BEFORE CUTTING CAN OCCUR. CONTRACTOR MUST CONTACT CITY FORESTRY AT (585) 428-7581 TO MAKE ARRANGEMENTS FOR SUCH INSPECTION. EXISTING TREE ROOTS THAT ARE SMALLER THAN 2 INCHES IN DIAMETER, ARE TO BE CUT CLEANLY WITH SHARP IMPLEMENTS.
4. IN AREAS OF SIDEWALK CONSTRUCTION, EXISTING TREE ROOTS THAT ARE LOCATED UNDER AREA OF SIDEWALK CONSTRUCTION ARE NOT TO BE CUT. IF ANY OF EXISTING TREE ROOTS ARE 2 INCHES OR LARGER IN DIAMETER, SUBBASE COURSE MATERIAL IS NOT TO BE INSTALLED WITHIN 1 FOOT OF EXISTING TREE ROOT(S), AND CONCRETE IS TO BE POURED OVER EXISTING TREE ROOT(S).
5. IN AREAS OF DRIVEWAY, DRIVEWAY APPROACHES AND SIDEWALK ACCESS RAMP CONSTRUCTION, EXISTING TREE ROOTS ARE NOT TO BE CUT BY MEANS OF MECHANICAL TREE ROOT CUTTING MACHINES. IF ANY OF EXISTING TREE ROOTS MUST BE CUT, THEY ARE TO BE CUT MANUALLY WITH SHARP IMPLEMENTS.
6. IN AREAS WHERE EXISTING TREE ROOTS BECOME EXPOSED BY CONSTRUCTION ACTIVITIES, THEY ARE TO BE COVERED WITH MULCH, TOPSOIL OR MOISTENED BURLAP, AND WATERED DAILY IMMEDIATELY AFTER EXPOSURE AND CONTINUING UNTIL EXCAVATED AREA IS RESTORED.
7. IF HEAVY EQUIPMENT MUST BE DRIVEN ON TREE LAWN AREA OVER TREE ROOT ZONE, PLYWOOD MUST BE PLACED ON GROUND/TREE LAWN AREA SO AS TO DISPERSE COMPACTION AND PREVENT SOIL RUTTING.
8. EXISTING TREE GRATES TO BE REMOVED AND RETURNED TO THE CITY OF ROCHESTER.

PURE WATERS

1. CONTRACTOR IS TO CONSTRUCT ALL SEWER APPURTENANCES (MAIN SEWER, LATERAL, CATCH BASINS AND MANHOLES) IN CONFORMANCE WITH THE SPECIFICATIONS OF THE ROCHESTER PURE WATERS DISTRICT.
2. CONTRACTOR IS TO TAKE APPROPRIATE MEASURES TO PREVENT DIRT, DEBRIS AND CONSTRUCTION MATERIALS FROM ENTERING SEWER APPURTENANCES (SEWER MAIN, LATERAL, CATCH BASINS AND MANHOLES) DURING CONSTRUCTION OF PROJECT.
3. RPWD IS TO BE NOTIFIED IMMEDIATELY IN THE EVENT OF ANY DAMAGE TO SEWER APPURTENANCES BY CALLING (585) 753-7351. ALL REPAIRS ARE TO BE PERFORMED IN THE PRESENCE OF A REPRESENTATIVE OF RPWD, AND ARE TO BE MADE AS PER RPWD SPECIFICATIONS.
4. IN THE EVENT THAT EXISTING SEWER MAINS OR LATERAL PIPES ARE BROKEN DURING EXCAVATION, ANY AND ALL REPAIRS MUST BE EXTENDED LINEARLY. INTRODUCING NEW BENDS IN PIPE WILL NOT BE PERMITTED. ALL 5 INCH INSIDE DIAMETER LATERAL PIPE MUST BE REPAIRED USING 5 INCH SERVICE WEIGHT CAST IRON PIPE AND TWO FERNCO'S. CONTRACTOR MAY BE PERMITTED TO USE OAKUM AND EPOXY MORTAR TO CONNECT NEW PVC PIPE TO AN EXISTING CELL THAT IS IN GOOD CONDITION.
5. STONE BEDDING MATERIAL USED FOR SEWER MAIN AND LATERAL PIPE REPAIRS IS TO BE CLASS B CONSISTING OF #1 AND #2 WASHED STONE AT A MINIMUM OF 6 INCH DEPTH.
6. CONTRACTOR WILL REPLACE ALL EXISTING SEWER MANHOLE FRAMES AND COVERS (AS PER CONTRACT) WITH NEW 9 INCH FRAMES AND COVERS. CONTRACTOR WILL BE RESPONSIBLE FOR THE PURCHASING AND DELIVERY OF THE FRAMES AND COVERS. FRAMES AND COVERS WILL MEET RPWD SPECIFICATIONS (A.S.T.M. A48 (LATEST REVISION) CLASS 30B). CONTRACTOR IS TO ADD/REMOVE ADDITIONAL COURSES OF BRICK/BLOCK AS/IF REQUIRED TO RETROFIT NEW FRAMES ONTO EXISTING MANHOLE STRUCTURES AT THE REQUIRED FINISHED GRADE.
7. WHERE AN EXISTING CATCH BASIN IS TO BE REMOVED, ALL PORTIONS OF THE CATCH BASIN WALLS AND FOUNDATION ARE TO BE REMOVED AND THE EXISTING LATERAL ABANDONED AS PER RPWD SPECIFICATIONS.
8. ALL REMOVED SEWER MANHOLE FRAMES AND COVERS AND CATCH BASIN GRATES, ACCESS COVERS AND CAPSTONES ARE THE PROPERTY OF THE ROCHESTER PURE WATERS DISTRICT. RETURN ITEMS TO THE MCPW FLEET CENTER, 145 PAUL ROAD, ROCHESTER, NEW YORK, MONDAY THROUGH FRIDAY BETWEEN 8:00AM AND 3:00PM AT NO COST TO THE OWNER.
9. CONTRACTOR IS TO NOTIFY MCPW BY CALLING (585) 753-7600, OPTION 5, MINIMUM OF 48 HOURS IN ADVANCE WHEN PLANNING ON WORKING ADJACENT TO EXISTING MC FIBER OPTIC FACILITIES.

MCDPH STANDARD WATER MAIN EXTENSION







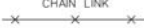





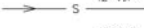
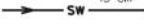
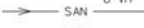




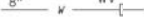

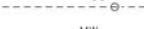




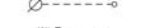



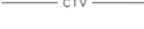
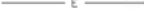





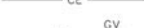
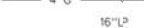
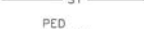




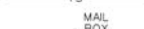




- THE WATER MAIN AND TEMPORARY BYPASS SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS, DESIGNATION C651, BY USING THE "CONTINUOUS FEED METHOD". FOLLOWING DISINFECTION, THE WATER MAIN AND BYPASS PIPE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE INTERIOR OF ALL WATER MAIN PIPE, VALVES, FITTINGS AND SERVICES 4 INCHES AND LARGER, INCLUDING NEW HYDRANT BRANCHES CONNECTED TO EXISTING WATER MAINS, NOT RECEIVING 24 HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SPRAY OR SWAB DISINFECTED WITH A MINIMUM 1% 5% SOLUTION OF CHLORINE NO MORE THAN 30 MINUTES PRIOR TO THE NEW WATER MAIN AND FITTINGS AND NEW PIPE AND FITTINGS THAT NEW PIPE AND FITTINGS WILL BE CONNECTED TO MUST BE THOROUGHLY CLEANED AND DISINFECTED. THE MAXIMUM DISTANCE BETWEEN DISINFECTION/SAMPLING TAPS ON NEW WATER MAIN AND BYPASS PIPE SHALL BE 1,000 FEET. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLUSHING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
- THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH (MCDPH) MUST RECEIVE A' LEAST 48 HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. THE CONTRACTOR SHALL CALL (585) 753-5057 TO ARRANGE FOR SAMPLING SERVICES AND IS RESPONSIBLE FOR PAYING ALL MCDPH SAMPLING FEES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(1) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE CONTRACTOR SHALL OBTAIN A COLORADO COLLECTOR'S LICENSE AND TURBIDITY. THE WATER MAIN AND BYPASS PIPE SHALL NOT BE PLACED IN SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. UNLESS OTHERWISE NOTED OR SHOWN ON THE APPROVED PLANS, THE MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING, ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (CONCRETE SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. UNLESS OTHERWISE NOTED OR SHOWN ON THE APPROVED PLANS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
3. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN 7 FEET OF FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
4. THE NEW WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD 1600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIES OF WATER FOR CITY OF ROCHESTER WATER MAINS. PRESSURE/LEAKAGE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SUBSECTION 3.05 OF CITY OF ROCHESTER WATER BUREAU SPECIFICATION 5900 - GENERAL WATER PROVISIONS.

WATER MAIN AND WATER SERVICE

1. ROCHESTER WATER BUREAU REQUIRES THAT A "DRAIN" USE PERMIT BE OBTAINED BY CONTRACTOR PRIOR TO USING ANY HYDRANT AS SOURCE OF WATER SUPPLY. PERMIT REQUIRES USE OF WATER METER AND BACKFLOW PREVENTER. WATER BUREAU WILL SUPPLY WATER METER AND BACKFLOW PREVENTER WITH PERMIT. PERMIT FEE INCLUDES REFUNDABLE DEPOSIT FOR USE OF WATER METER AND BACKFLOW PREVENTOR.
2. CONTRACTOR IS TO EXERCISE CAUTION WHEN WORKING NEAR WATER MAINS WHICH ARE TO BE RETAINED. NO VIBRATORY EQUIPMENT IS TO BE USED OVER OR ADJACENT TO EXISTING WATER MAINS.
3. FOR ALL ABANDONED WATER MAIN AND HYDRANT BRANCHES, CONTRACTOR IS TO PLUG ALL CUT AND OPEN ENDS WITH 12 INCHES OF CONCRETE. CONTRACTOR IS TO LEAVE ABANDONED WATER MAIN LINE, HYDRANT BRANCH AND SERVICE VALVES IN CLOSED POSITION.
4. ALL NEW WATER MAINS ARE TO BE INSTALLED WITH MINIMUM COVER DEPTH FROM PROPOSED FINISHED GRADE OF 4.0 FEET FOR DOMESTIC WATER MAINS, AND 5 FEET FOR HOTLY WATER MAINS.
5. ALL NEW DUCTILE IRON WATER MAIN IS TO BE INSTALLED WITH POLYETHYLENE ENCASEMENT, AND MAY REQUIRE INSTALLATION OF CATHODIC PROTECTION ANODES, AS SHOWN ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
6. APPROPRIATE MEASURES ARE TO BE TAKEN TO PREVENT DIRT, DEBRIS, SURFACE AND GROUND WATER FROM CONTAMINATING WATER MAIN. WATER LEVEL IN EXCAVATION IT OPEN WATER PIPE ENDS IS NEVER TO BE LESS THAN 12 INCHES BELOW INVERT OF WATER MAIN. WHENEVER AN OPEN WATER PIPE END IS LEFT UNATTENDED, IT IS TO BE COVERED IN WATER TIGHT MANNER.
7. TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER MAINS AND WATER SERVICES.
8. FOR EXISTING WATER VALVES AND CURB STOPS THAT ARE LOCATED ON WATER MAINS AND WATER SERVICES WHICH ARE TO BE RETAINED, EXISTING WATER VALVE AND CURB BOXES ARE TO BE ADJUSTED TO GRADE OR REPLACED, AS SHOWN ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
9. ALL GATE VALVES REQUIRE MECHANICAL JOINT RESTRAINT WITHIN 18 FEET OF GATE VALVE.
10. ALL WATER SERVICE TAPS ON PVC/PVCO WATER MAIN REQUIRE SERVICE SADDLES.
11. STAINLESS STEEL INSERTS ARE REQUIRED ON ALL POLYETHYLENE (PE) WATER SERVICE FITTINGS.

LEGEND

EXISTING

- | | |
|---|---|
| HB | RIGHT-OF-WAY LINE |
| --- | PROPERTY LINE |
|  | BUILDING LINE |
| USGS/USC&GS  | USGS/USC&GS MONUMENT |
| RCS  | HORIZONTAL CONTROL MONUMENT |
| RTS  | VERTICAL CONTROL MONUMENT |
| B-1  | BORE LOCATION AND REFERENCE NUMBER |
| C-1  | CORE LOCATION AND REFERENCE NUMBER |
| CHAIN LINK  | FENCE LINE AND TYPE |
| GRANITE CURB  | CURB LINE AND TYPE |
|  | SLATE SIDEWALK |
|  | SHRUB ROW |
| 6"  | TREE AND DIAMETER AT DBH |
| MH  | SEWER MANHOLE |
|  S 12" V: P | COMBINED SEWER, SIZE AND TYPE |
|  SW 15" O: P | STORM WATER SEWER, SIZE AND TYPE |
|  SAN 8" V: P | SANITARY SEWER, SIZE AND TYPE |
| CB  | CATCH BASIN AND LATERAL |
| CB  | CATCH BASIN W/CAPSTONE AND LATERAL |
| CO  | SEWER CLEAN-OUT |
| HYD  WV | HYDRANT, BRANCH AND WATER VALVE |
| 8"  WV | WATER MAIN AND SIZE, WATER VALVE |
|  | WATER REDUCER |
| CS  | WATER SERVICE AND CURB STOP |
| MW  | MONITORING WELL |
| CLP  | CONCRETE STREET LIGHT POLE |
| LP-XX  | METAL STREET LIGHT POLE |
| WPP  | WOOD POWER POLI |
| WPP  GUY | WOOD POWER POLI W/GUY WIRE |
| WLP  | WOOD POWER POLI W/STREET LIGHT |
| HH  | UTILITY HANDHOLE OR PULLBOX |
| MH  | UTILITY MANHOLE V/ VAULT |
| CTV  | CABLEVISION UNDERGROUND CONDUIT |
| E  | ELECTRIC UNDERGROUND CONDUIT |
| FO  | FIBER OPTICS UNDERGROUND CONDUIT |
| T  | TELECOMMUNICATIONS UNDERGROUND CONDUIT |
| FLP  | FIBERGLASS STREET LIGHT POLE |
| CHH  | CITY OF ROCHESTER HANDHOLE |
| CPB  | CITY OF ROCHESTER PULLBOX |
| CE  | CITY OF ROCHESTER STREET LIGHTING CONDUIT |
| 4" G  GV | GAS MAIN AND SIZE, GAS VALVE |
| ST  16" L: P | STEAM LINE AND SIZE |
| PED  | PEDESTRIAN SIGNAL POLE W/SIGNAL HEAD |
| TSCB  | TRAFFIC SIGNAL CONTROL BOX |
| TSP  | TRAFFIC SIGNAL POLE |
| TSLP  | TRAFFIC SIGNAL POLE W/STREET LIGHT |
| TS  | TRAFFIC SIGNAL CONDUIT |
| MAIL BOX  | MAIL BOX AND CONCRETE PAD |
| FLAG POLE  | FLAG POLE |
| PM  | PARKING METER |
| SP  | SIGN POST AND SIGN PANEL |

PROPOSED

- | | |
|--|---|
| | RIGHT-OF-WAY LINE |
| | PROPERTY LINE |
| | RCS |
| | HORIZONTAL CONTROL MONUMENT |
| | RTS |
| | VERTICAL CONTROL MONUMENT |
| | CURB LINE |
| | ADDITIONAL WORK LIMIT LINE |
| | CONCRETE SIDEWALK/DRIVEWAY |
| | EXPOSED AGGREGATE CONCRETE SIDEWALK |
| | GRASS |
| | ASPHALT DRIVEWAY |
| | PAVEMENT REHABILITATION/RECONSTRUCTION AREA |
| | TREE PLANTING |
| | TREE PLANTING N SIDEWALK |
| | TREE REMOVAL |
| | CE-1 |
| | CATCH BASIN FRAME AND GRATE ADJUSTMENT |
| | CE-1 |
| | CATCH BASIN |
| | MH-1 |
| | MANHOLE FRAME AND COVER ADJUSTMENT/REPLACEMENT |
| | MH-1 |
| | MANHOLE |
| | HYDRANT, BRANCH, WATER VALVE AND TEE |
| | WATER MAIN - NOTE SIZE AND TYPE |
| | DISINFECTION/SAMPLING TAP |
| | TW/B |
| | TRACER WIRE TERMINATION BOX |
| | MAIN LINE WATER VALVE |
| | WATER REDUCER, OFFSET OR BENDS |
| | WATER SERVICE AND CURB STOP |
| | TB |
| | TH |
| | TEMPORARY WATER BYPASS PIPE AND HYDRANT |
| | LIGHT POLE (BY OTHERS) ON EXISTING FOUNDATION |
| | LIGHT POLE (BY OTHERS) AND FOUNDATION |
| | LIGHTING ARM OF EXISTING TRAFFIC POLE (BY OTHERS) |
| | STREET LIGHTING HANDHOLE OR PULLBOX |
| | ARTERIAL STREET LIGHTING CONDUIT |
| | CE |
| | RESIDENTIAL STREET LIGHTING CONDUIT |
| | PED |
| | PEDESTRIAN SIGNAL POLE W/ SIGNAL HEAD |
| | TSCB |
| | TRAFFIC SIGNAL CONTROL BOX |
| | TSP |
| | TRAFFIC SIGNAL POLE |
| | TSLP |
| | TRAFFIC SIGNAL POLE W/ STREET LIGHT |
| | TS |
| | TRAFFIC SIGNAL CONDUIT |
| | SS |
| | SIGN SLEEVE |
| | DRAINAGE FLOW |
| | REMOVE |
| | ABANDON |
| | CUT AND PLUG EXISTING LATERAL |

ABBREVIATIONS

- | | |
|-------------|--|
| ABND | ABANDONED |
| ADJ | ADJUST |
| AOBPM | AS ORDERED BY PROJECT MANAGER |
| APPROX | APPROXIMATE |
| ASPH | ASPHALT |
| B | BASELINE |
| BLDG | BUILDING |
| BM | BENCH MARK |
| B/T | BLACKTOP |
| C | CURB |
| CALC | CALCULATED |
| CIP | CAST IRON PIPE |
| C | CENTERLINE |
| CMP | CORRUGATED METAL PIPE |
| CONC | CONCRETE |
| COR | CITY OF ROCHESTER |
| Δ | DELTA OF CURVE |
| DH | DRILL HOLE |
| DIA | DIAMETER |
| DIP | DUCTILE IRON PIPE |
| DRWY | DRIVEWAY |
| DWG | DRAWING |
| F | EXTERNAL DISTANCE |
| ELEV | ELEVATION |
| EXIST | EXISTING |
| FC | FRONTIER COMMUNICATIONS |
| FT | FEET |
| G | GUTTER |
| HORIZ/HORIZ | HORIZONTAL |
| INV | INVERT |
| IP | IRON PIN |
| L | LENGTH OF CURVE |
| LH | SEWER LAMP HOLE |
| LT | LEFT |
| MAX | MAXIMUM |
| MCDDT | MONROE COUNTY DEPARTMENT OF TRANSPORTATION |
| MCDPH | MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH |
| MCPW | MONROE COUNTY DIVISION OF PURE WATERS |
| MCWA | MONROE COUNTY WATER AUTHORITY |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MJ | MECHANICAL JOINT |
| MJ-R | MECHANICAL JOINT - RESTRAINED |
| MON | MONUMENT |
| N/F | NOW OR FORMERLY |
| N.I.C. | NOT IN CONTRACT |
| NYS | NEW YORK STATE |
| PAVT | PAVEMENT |
| PC | POINT OF CURVATURE |
| PCC | POINT OF COMPOUND CURVATURE |
| PCP | PLAN CONCRETE PIPE |
| PE | POLYETHYLENE |
| PI | POINT OF INTERSECTION |
| PK | POINT KNOWN RAIL |
| R | PROPERTY LINE |
| POT | POINT OF TANGENCY |
| PRC | POINT OF REVERSE CURVATURE |
| PVC | POINT OF VERTICAL CURVATURE |
| PVCO | MOLECULAR ORIENTED POLYVINYL CHLORIDE PIPE |
| PVCP | POLYVINYL CHLORIDE PIPE |
| PVI | POINT OF VERTICAL INTERSECTION |
| PVT | POINT OF VERTICAL TANGENCY |
| R | RADIUS OF CURVE |
| RCP | REINFORCED CONCRETE PIPE |
| RCS | ROCHESTER CITY SURVEY |
| RGE | ROCHESTER GAS AND ELECTRIC |
| R.O.W. | RIGHT-OF-WAY |
| RPWD | ROCHESTER PURE WATERS DISTRICT |
| RT | RIGHT |
| RTS | ROCHESTER TOPOGRAPHICAL SURVEY |
| S' BOX | STONE BOX SEWER |
| STA | STATION |
| T | TANGENT LENGTH OF CURVE |
| TC | TOP OF CURB |
| TG | TOP OF CATCH BASIN GRATE |
| TGL | THEORETICAL GRADE LINE |
| TH | TEMPORARY HYDRANT |
| TWC | TIME WARNER CABLE |
| TYP | TYPICAL |
| US&GS | UNITED STATES COAST AND GEODETIC SURVEY |
| USGS | UNITED STATES GEOLOGICAL SURVEY |
| VC | VERTICAL CURVE |
| VCP | VITRIFIED CLAY PIPE |
| VERT | VERTICAL |
| VTP | VITRIFIED TILE PIPE |
| VRSTP | WRAPPED STEEL PIPE |
| XVCP | EXTRA STRENGTH VITRIFIED CLAY PIPE |
| Y | WYE OR Y-BRANCH |

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[illegible]CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATIONGENERAL NOTES, LEGEND,
AND INDEX

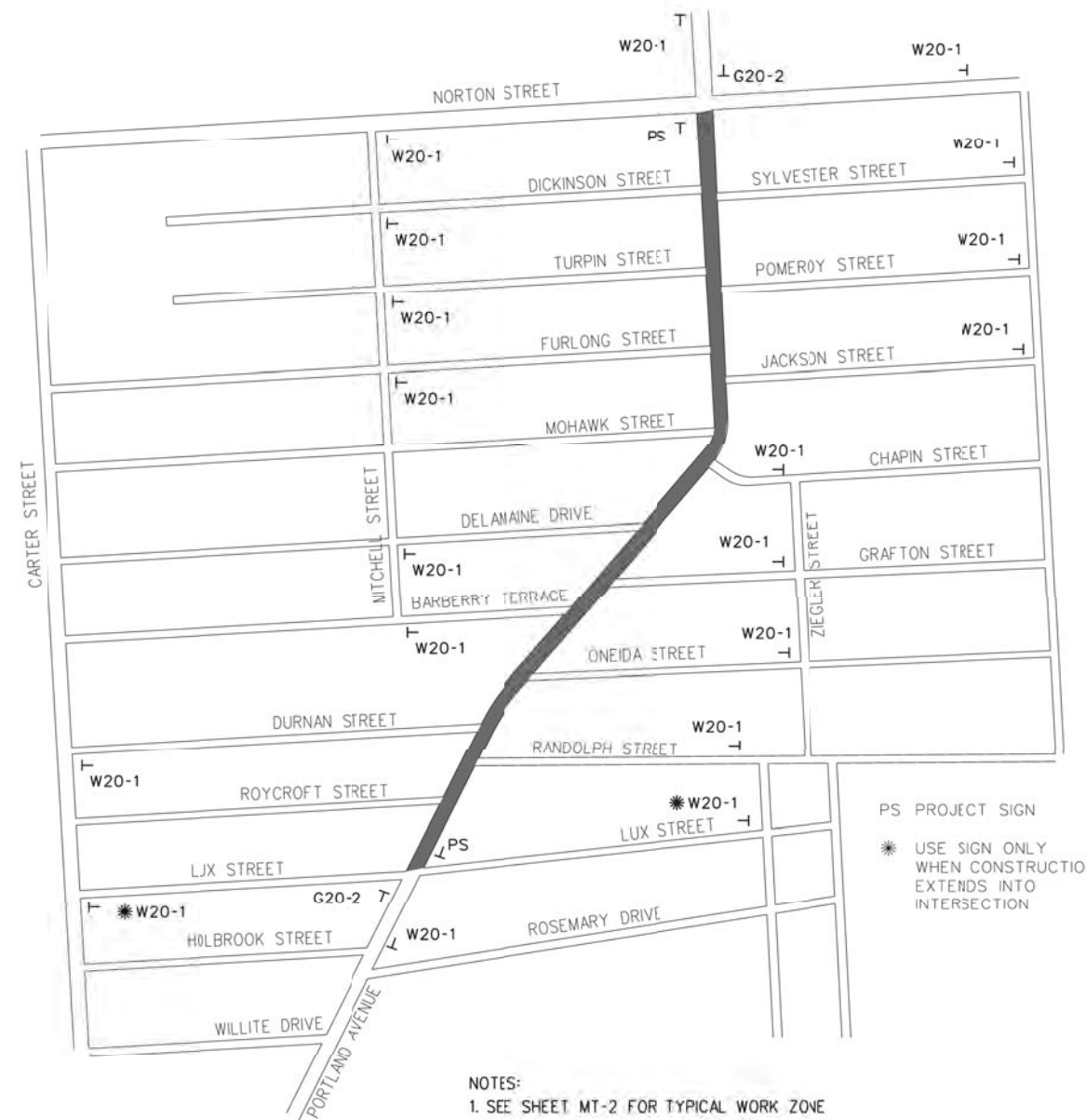
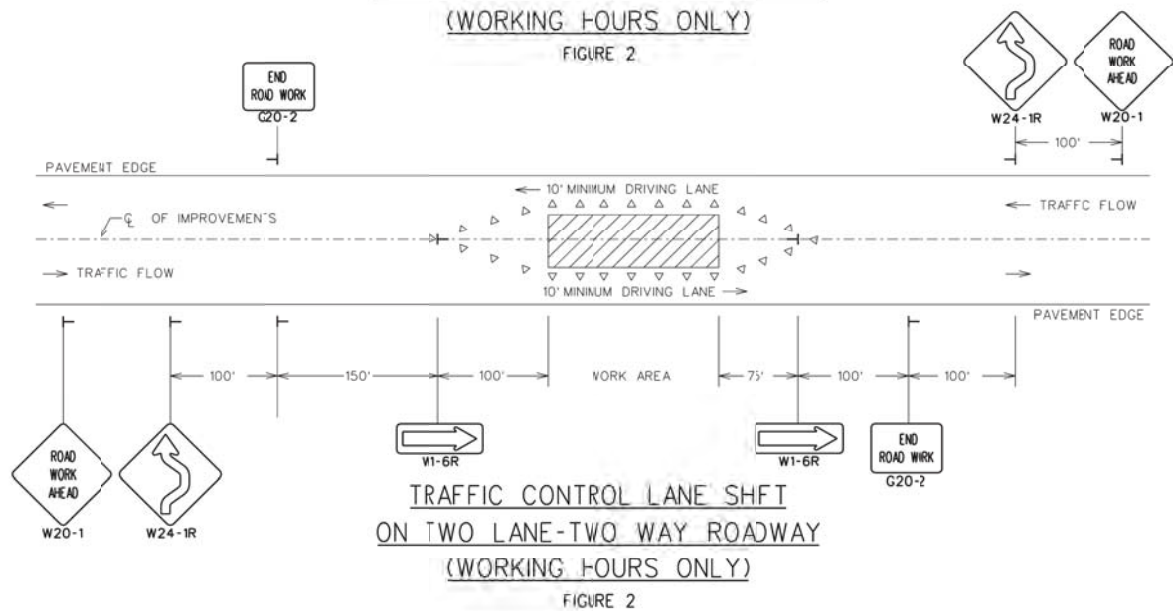
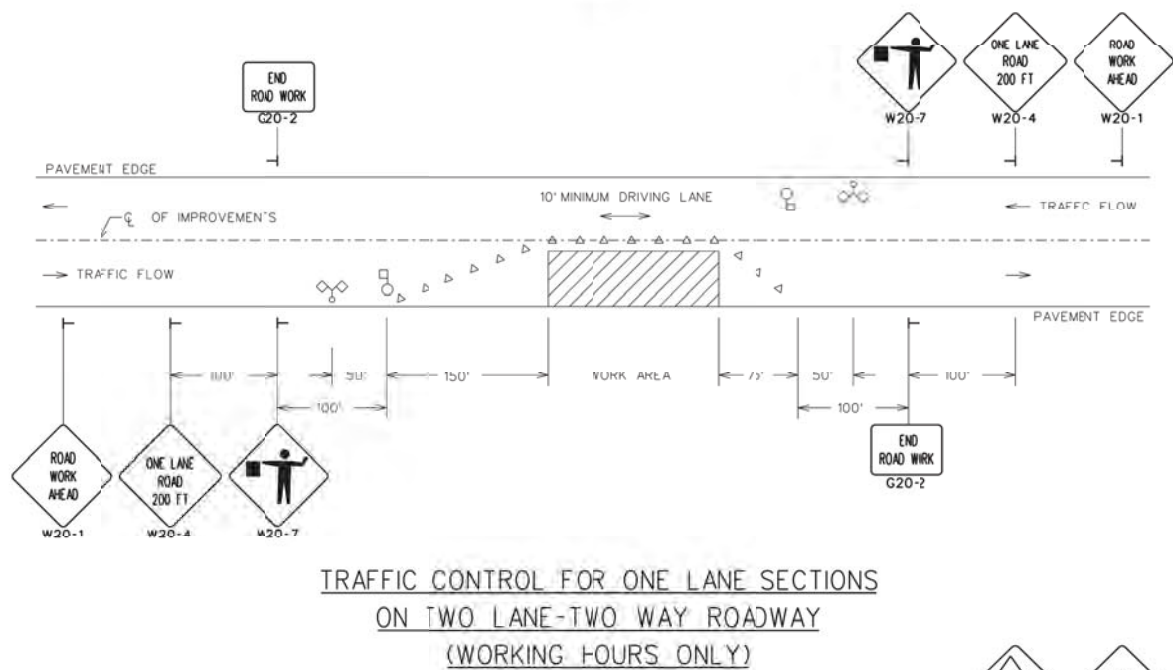
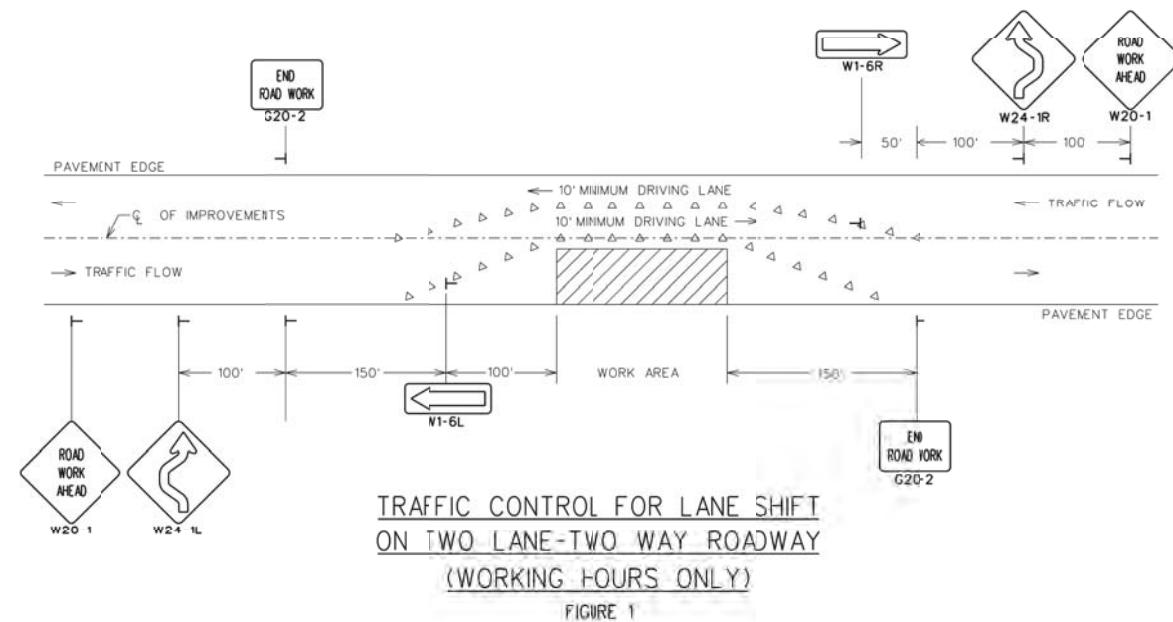
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Lansdowne Architects P.C.

DRAWING NO. **GN-1**
SHEET 2 OF 5
WENDEL JOB NUMBER
22134012



- NOTES:
1. SEE SHEET MT-2 FOR TYPICAL WORK ZONE TRAFFIC CONTROL NOTES AND LEGEND.
 2. THE WORK ZONE TRAFFIC CONTROL PLANS SHOWN ARE CONSIDERED TO BE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS AND/OR CONTROL DEVICES MAY BE REQUIRED, A.O.B.E.

REVISIONS						DATE:
	NO.	DATE	DESCRIPTION	BY	SCALE:	JULY 2015
					NTS	
					DESIGNED	
					PGW / CIL	
					DRAWN BY:	
					KLO / MD2	

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION

MAINTENANCE OF TRAFFIC
GENERAL NOTES



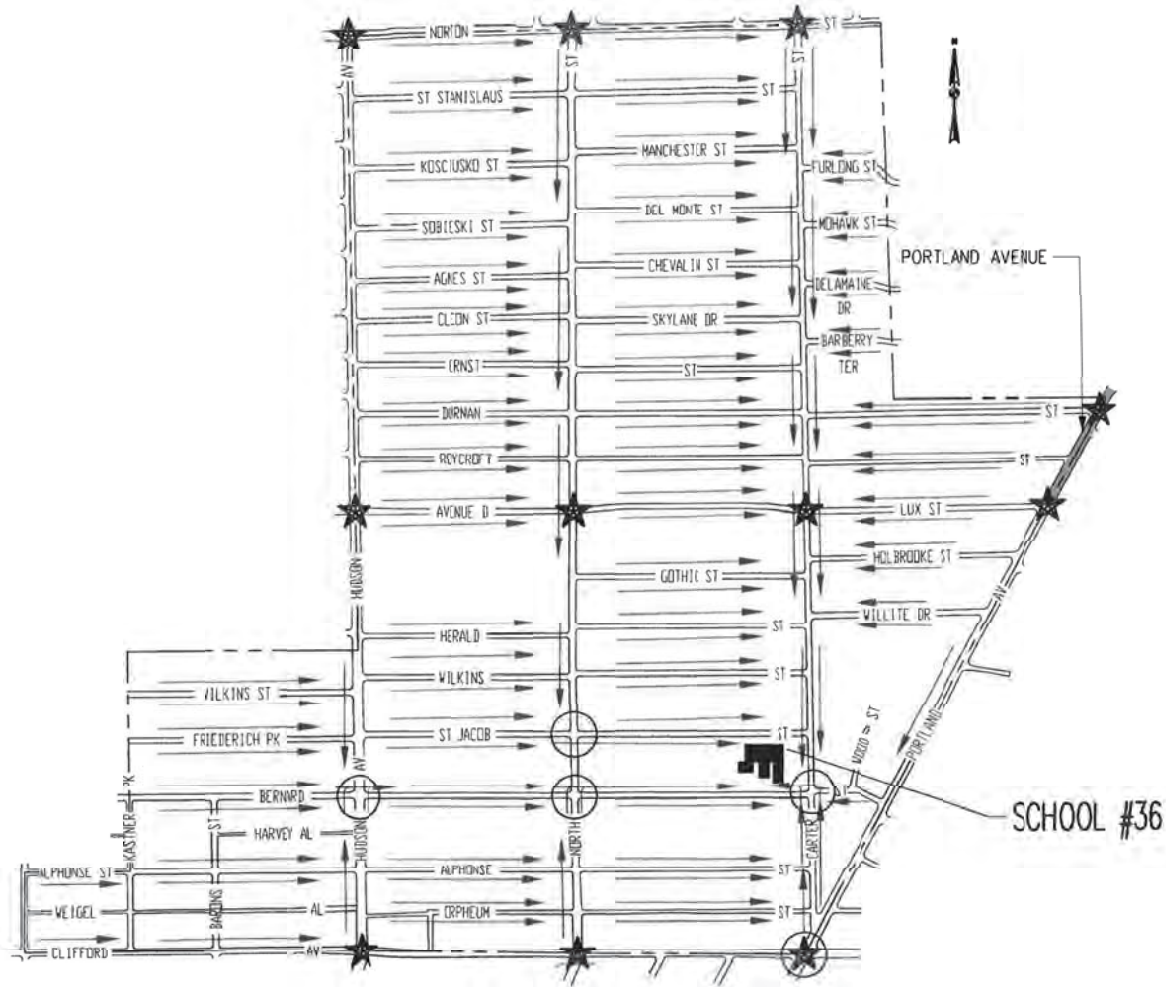
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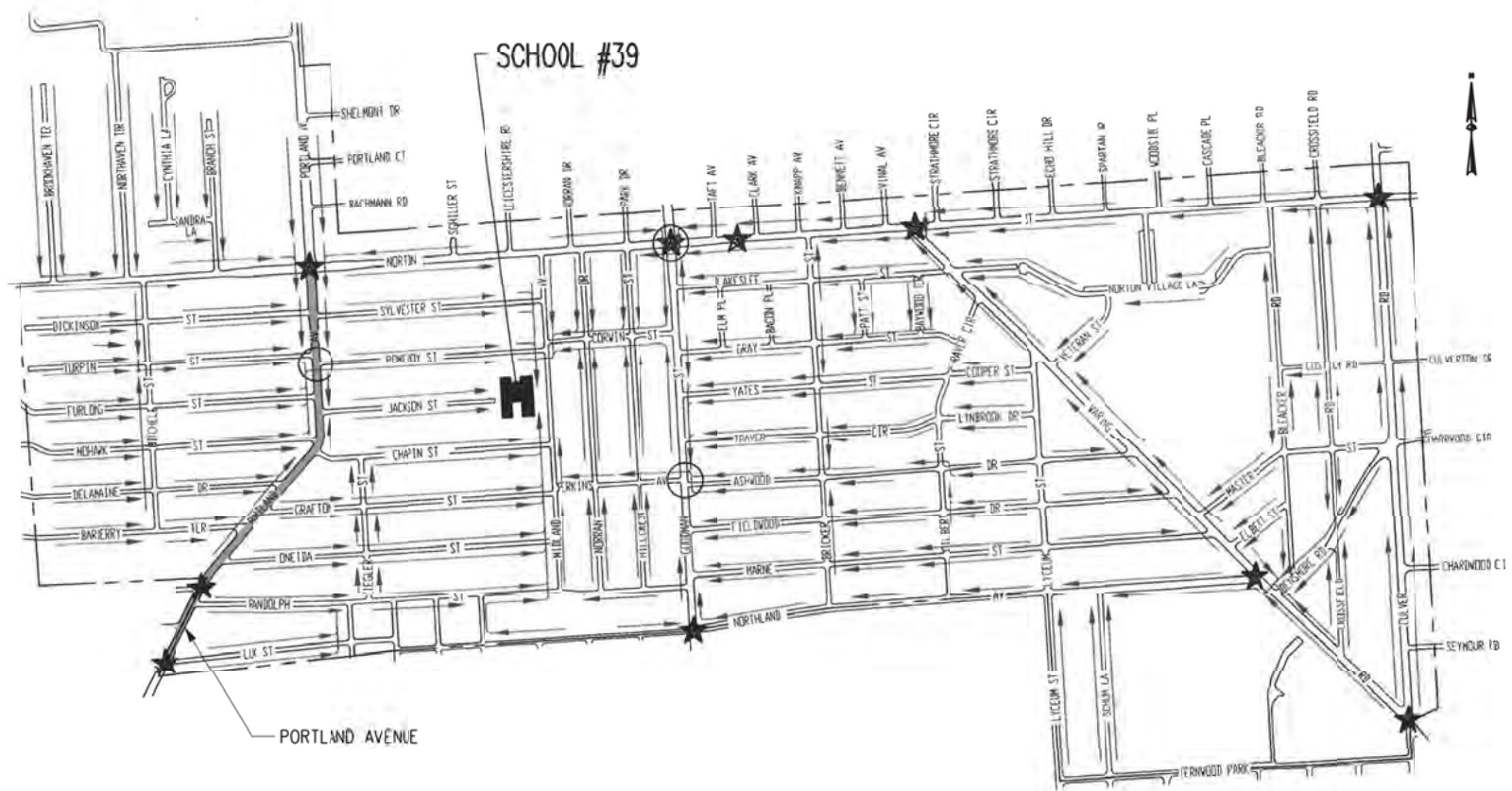
100 Chestnut Street, Suite 1110
Rochester, NY 14604
- WWW.WHITFIELDGREENE.COM

Whitfield WJ Architects - Engineering, Surveying and
Landscape Architecture P.C.

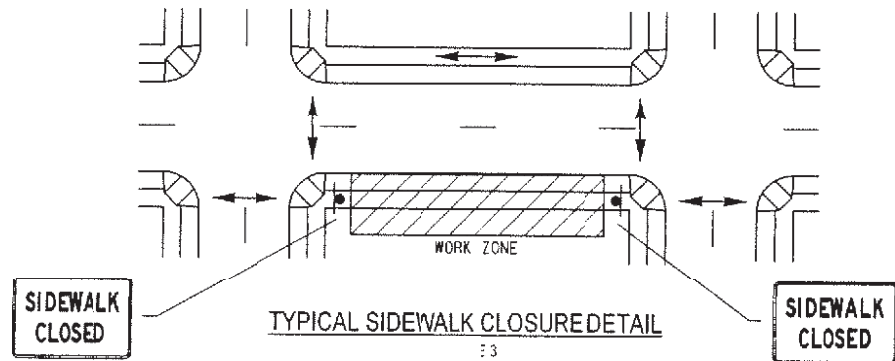
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SHEET 3 OF 5	
WENDEL JOB NUMBER	221340x2



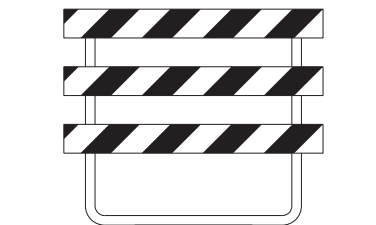
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NOT TO SCALE



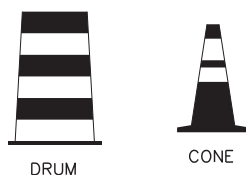
SAFE SCHOOL ROUTE WITHIN PROJECT AREA - SCHOOL #39
NOT TO SCALE



SIDEWALK CLOSURE NOTES
1. THE CONTRACTOR SHALL INSTALL A SIDEWALK CLOSED SIGN (R8-3C) MOUNTED ON A TYPE III CONSTRUCTION BARRICADE ON THE IMMEDIATE APPROACHES TO THE EXISTING SIDEWALK BEING DISRUPTED BY CONSTRUCTION OPERATIONS

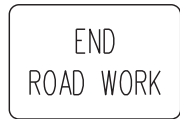


TYPE III PVC CONSTRUCTION BARRICADE (STRIPES ARE TO SLOPE DOWNWARD IN DIRECTION TRAFFIC IS TO PASS)



TRAFFIC CONTROL LEGEND

- SIGN
- BARRICADE (SEE NOTE 8)
- DRUM
- △ CONE
- FLAGGER
- ◇ FLAG TREE
- ✱ USE SIGN ONLY WHEN CONSTRUCTION EXTENDS INTO INTERSECTION
- ✱✱ MOVE SIGNS AND BARRICADES TO SIDE OF ROAD AT END OF WORK DAY



G20-2



W20-1

LEGEND

- - CROSSING GUARD LOCATION
- ★ - TRAFFIC SIGNAL LOCATION

NOTES:

- CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH PLANS, NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND NYSDOT SUPPLEMENT, NYSDOT WORK ZONE TRAFFIC CONTROL STANDARD SHEETS (US CUSTOMARY) LATEST EDITION, AND CITY OF ROCHESTER SPECIFICATIONS, ALL AS APPROVED BY MONROE COUNTY DIRECTOR OF TRANSPORTATION. REFERENCES TO "REGIONAL DIRECTOR" IN NYSDOT STANDARD SHEETS ARE TO BE INTERPRETED AS "CITY OF ROCHESTER".
- ALL SIGNS AS SHOWN ON DRAWING(S) AND AS ORDERED BY PROJECT MANAGER ARE TO BE IN PLACE IMMEDIATELY PRIOR TO COMMENCING WORK.
- DULY TRAINED FLAGGER(S) ARE TO BE PROVIDED DURING WORKING HOURS TO PROTECT TRAFFIC AT ALL TIMES AND TO PROVIDE ADEQUATE TRAFFIC CONTROL.
- ONE-WAY AND TWO-WAY TRAFFIC IS TO BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH REQUIREMENTS OF SECTION R619.
- TO MAINTAIN TRAFFIC IN TWO LANES WHEN CONTRACTOR IS NOT WORKING, ALL OPEN EXCAVATIONS WITHIN ROADWAY ARE TO BE COVERED WITH METAL PLATES, OR OTHERWISE DELINEATED, AS ORDERED BY PROJECT MANAGER.
- CONTRACTOR IS TO PROVIDE AND MAINTAIN AT ALL TIMES SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM ALL INTERSECTING STREETS, BUILDINGS AND DRIVEWAYS. ACCESS MAY BE RESTRICTED DURING WORKING HOURS, AS CONSTRUCTION ACTIVITIES DICTATE.
- ALL EXISTING TRAFFIC AND PARKING SIGNS ARE TO BE MAINTAINED BY CONTRACTOR THROUGHOUT CONSTRUCTION OF PROJECT. CONTRACTOR IS TO COVER OR REMOVE ONLY THOSE EXISTING TRAFFIC AND PARKING SIGNS WHICH CONFLICT WITH VARIOUS ACCESS AND TRAFFIC RESTRICTIONS THAT WILL BE UTILIZED DURING CONSTRUCTION OF PROJECT. CONTRACTOR MUST CONTACT MCDOT DISPATCHER AT 1-800-753-7750 AT LEAST 5 WORKING DAYS PRIOR TO REMOVING OR RESETTING ANY TRAFFIC AND PARKING REGULATION SIGNS.
- WHEN ORDERED BY PROJECT MANAGER, BARRICADES ARE TO BE LIGHTED WITH TYPE A LOW INTENSITY FLASHING YELLOW BARRICADE LIGHTS, SPACED 4 FEET CENTER TO CENTER.
- CONTRACTOR IS TO CLOSELY COORDINATE ALL WORK IMPACTING SCHOOL PEDESTRIAN TRAFFIC AND SCHOOL BUS TRAFFIC WITH PROJECT MANAGER OR SPECIFIED AGENT. SAFE SCHOOL ROUTE MAINTENANCE PLAN MUST BE SUBMITTED AND APPROVED OF PRIOR TO BEGINNING ANY WORK WHICH IMPACTS EXISTING DESIGNATED ROUTE. ANY ADDITIONAL SIGNAGE, FLAGGER(S), OR OTHER REQUIREMENTS REQUIRED BY PROJECT MANAGER WILL BE INCLUDED IN UNIT PRICE BID FOR BASIC MAINTENANCE AND PROTECTION OF TRAFFIC. SAFE SCHOOL ROUTE MAINTENANCE PLAN IS TO STAY IN EFFECT FOR DURATION OF CONSTRUCTION OF PROJECT, UNLESS ORDERED OTHERWISE BY PROJECT MANAGER.
- SAFE SCHOOL ROUTE WITHIN PROJECT AREA MAP IS FOR INFORMATIONAL PURPOSES ONLY.

DATE: JULY 2015		SCALE: NTS		DESIGNED BY: PGW/CUL		DRAWN BY: KLO/MD2	
REVISIONS		DESCRIPTION		NO.		DATE	

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION

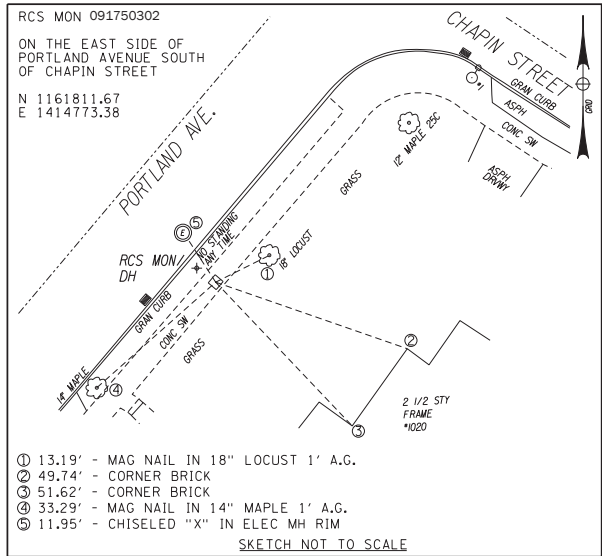
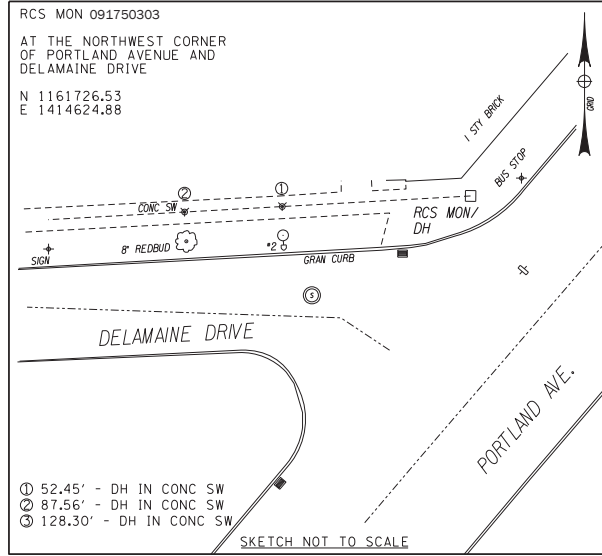
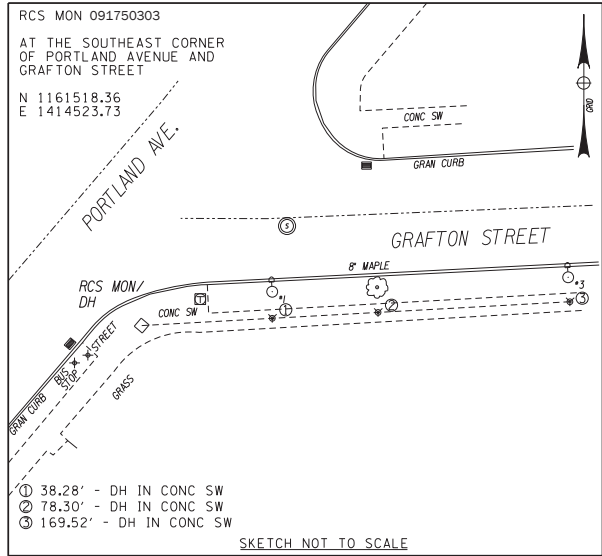
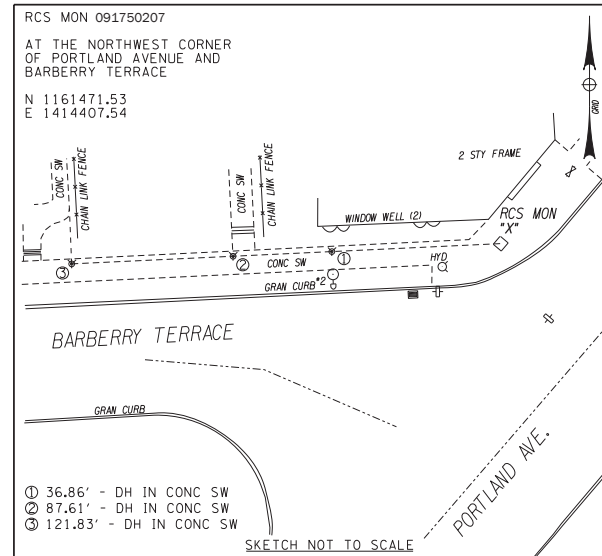
MAINTENANCE OF TRAFFIC
GENERAL NOTES

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Wendel NY Architecture, Engineering, Surveying and Landscape Architecture P.C.

DRAWING NO.
MT-2
SHEET 4 OF 50
WENDEL JOB NUMBER
22134062

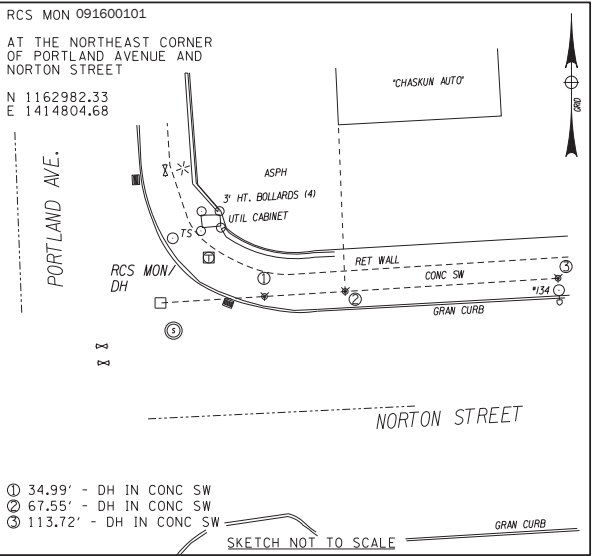
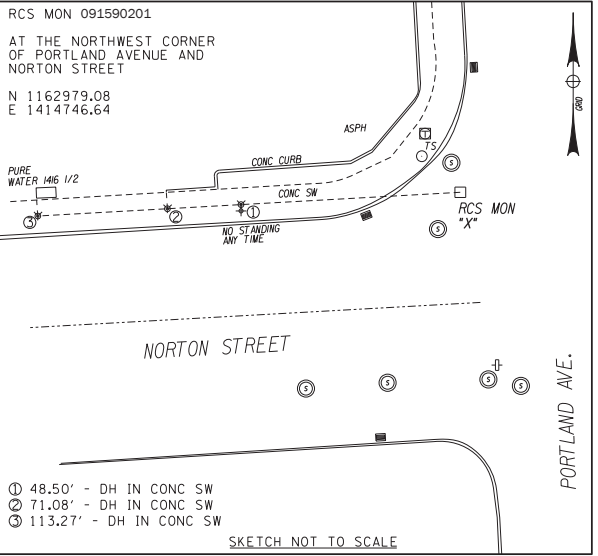
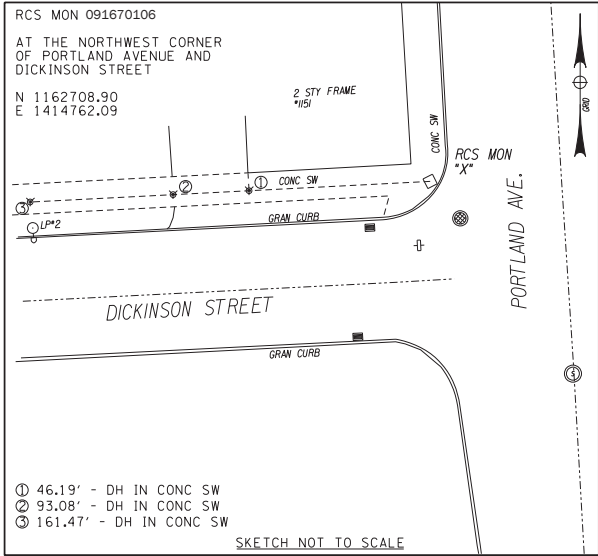
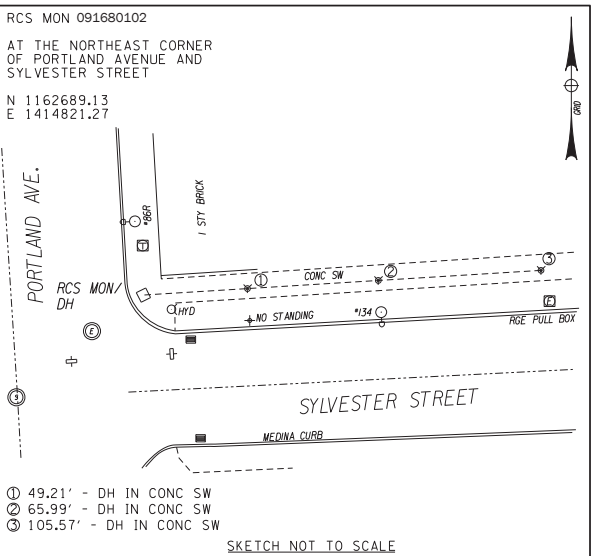
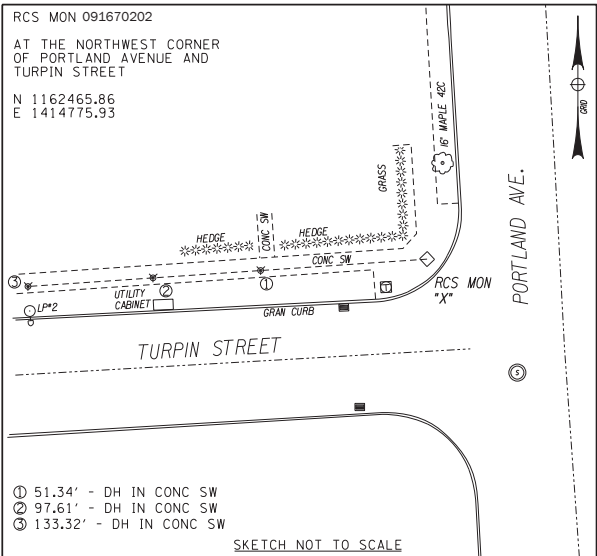
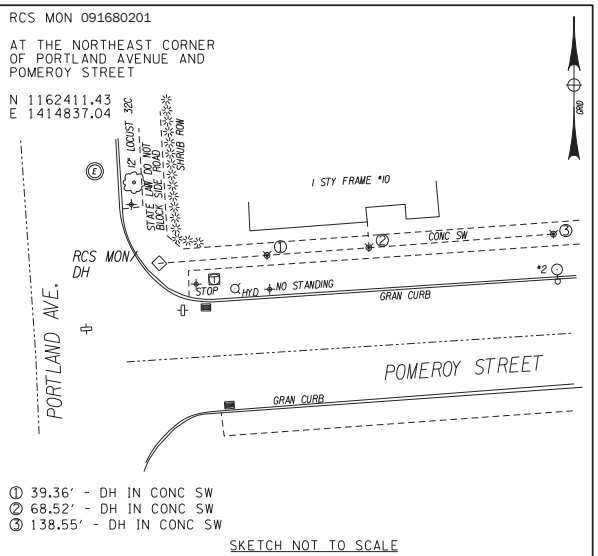
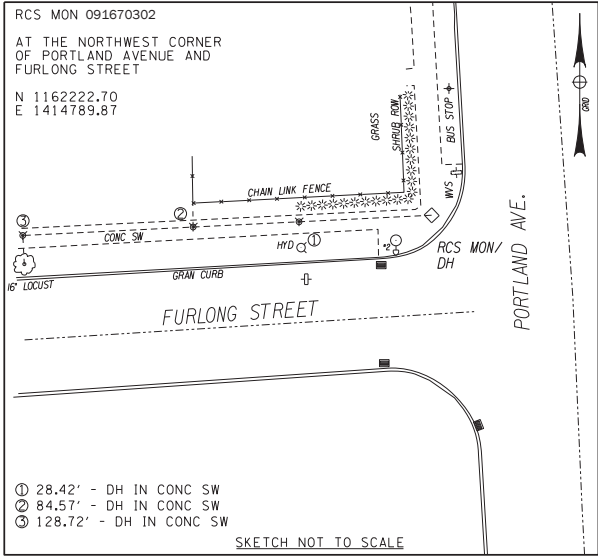
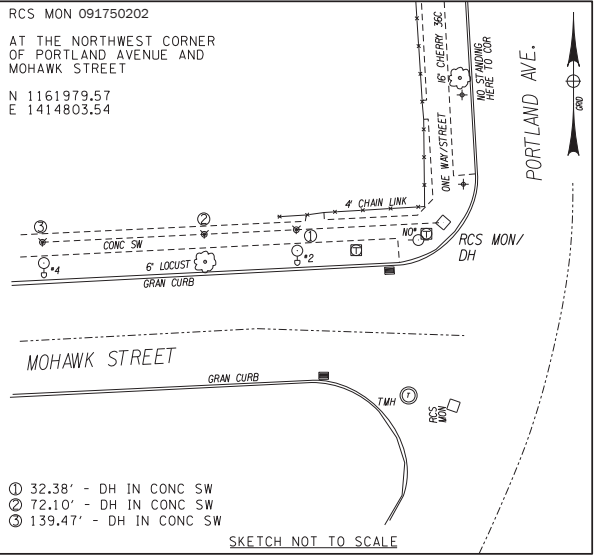
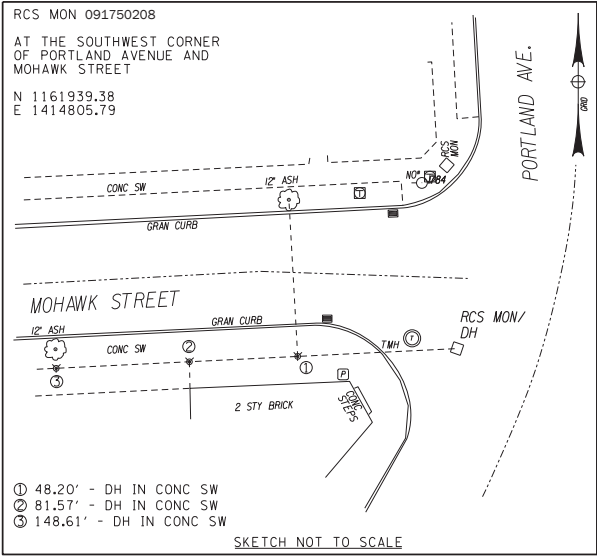
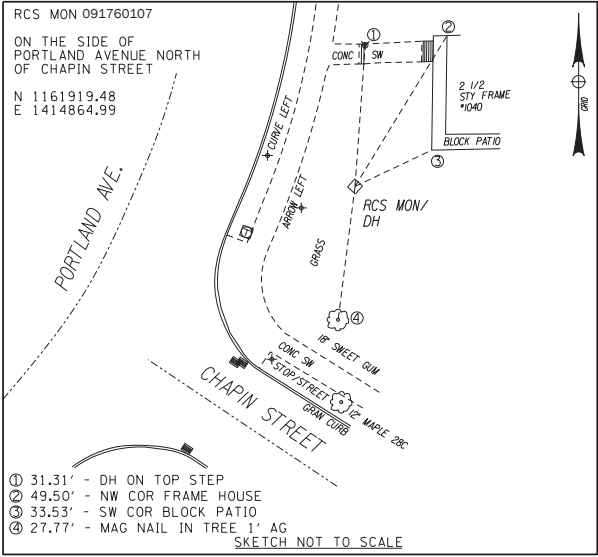
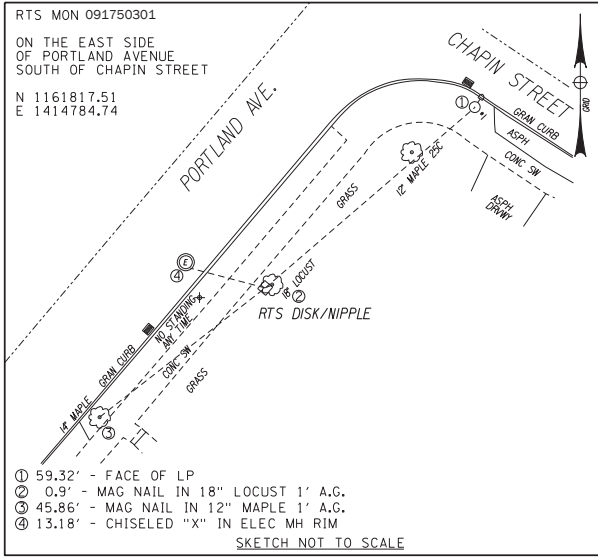


- NOTE:
DH = DRILL HOLE WITH 1 1/4" DIAMETER SCRIBE AROUND IT
"X" = CROSS

DRAWING NO.	PROJECT PORTLAND AVENUE REVITALIZATION PROJECT CITY OF ROCHESTER MONROE COUNTY, STATE OF NEW YORK	 FISHER ASSOCIATES WWW.FISHERASSOCIATES.COM 155 Calhoun Road, Rochester, NY 14623 Phone: 585-634-1310	FA PROJECT NO. 132029 PROJECT MANAGER S. SMITH DRAWN BY J. HEFNER SCALE NONE	COPYRIGHT © 2013 FISHER ASSOCIATES, P.E., L.S., P.C. New York State Education Law Section 7209a states that it is a violation of the law for any person who is acting under the direction of a licensed professional engineer or architect to furnish or furnish support to offer on them in any way. If an item bearing the seal of an engineer or land surveyor is stored in a building, the item is not to be used for any purpose other than the specific purpose for which it was created. The date of such use is the date of the specific use or the date of the creation.	7		
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SD-1

SHEET 5 OF 50



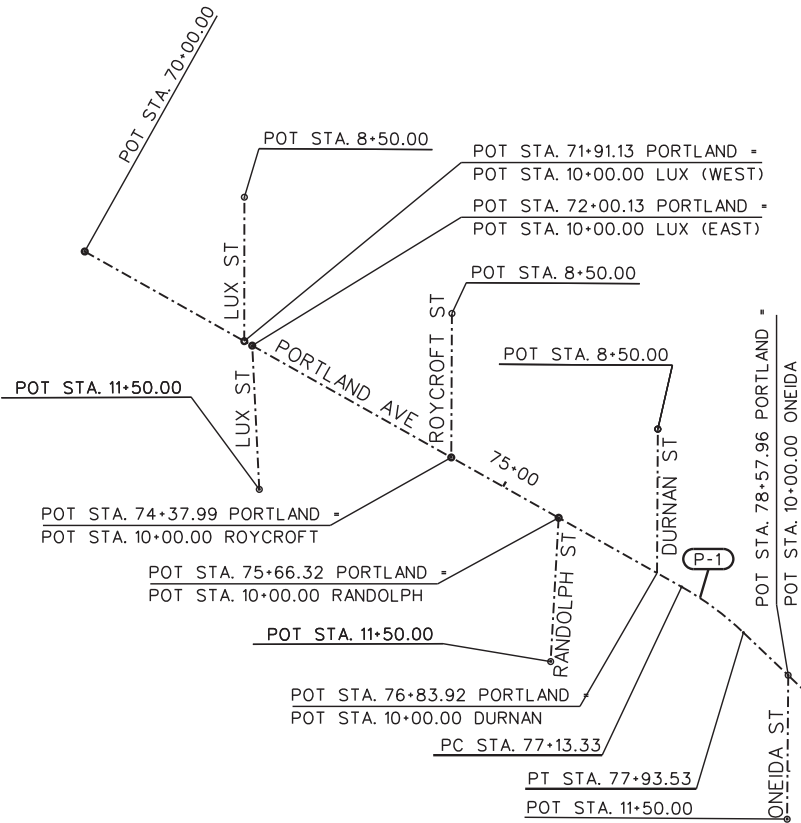
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PROJECTION, NAD 1983, THROUGH CONTROL TIES TO THE FOLLOWING CITY OF
ROCHESTER MAPS AND SURVEY JOB NO. 04-032 AND MONUMENTS
PROVIDED BY THE CITY OF ROCHESTER OFFICE OF MAPS AND SURVEYS.

PERMETER AND TIES TO CONTROL MONUMENTS WERE ACCOMPLISHED USING
PROCEDURES NECESSARY TO ACHIEVE AN ACCURACY OF 1/10000.

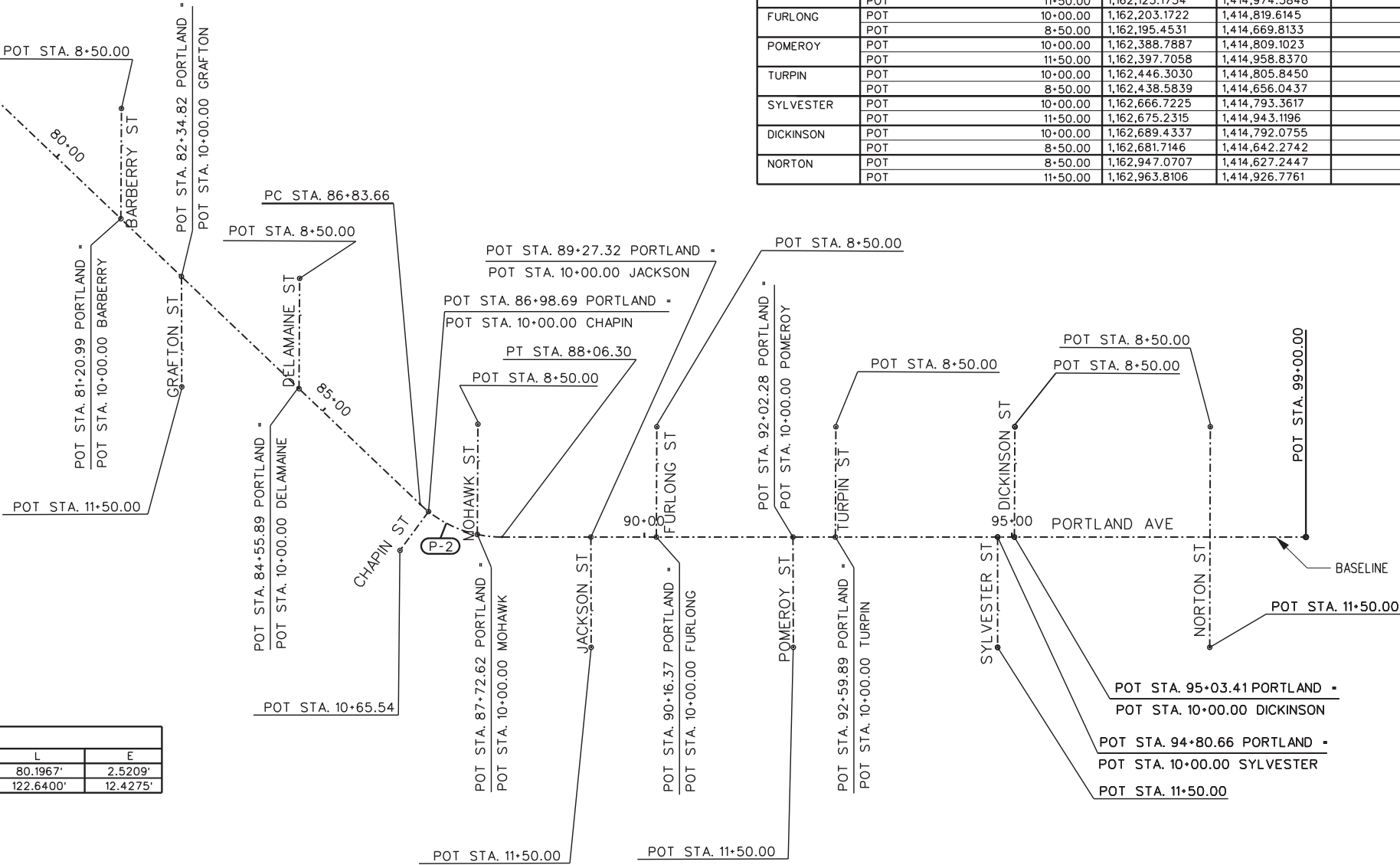
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091670106 NW COR PORTLAND/DICKINSON	1162708.8957	1414762.0932

NOTE:
DH = DRILL HOLE WITH 1/4" DIAMETER SCRIBE AROUND IT
"X" = CROSS

PROJECT PORTLAND AVENUE REVITALIZATION PROJECT CITY OF ROCHESTER MONROE COUNTY, STATE OF NEW YORK	 FISHER ASSOCIATES www.fisherassoc.com 135 Gates Road, Rochester, NY 14603 Phone: 585-334-2310	FA PROJECT NO. 132029	PROJECT MANAGER S. SMITH	DRAWN BY J. HEFNER	SCALE NONE	ISSUE DATE NOV. 2013	COPYRIGHT © 2013 FISHER ASSOCIATES, P.E., L.S., P.C.		
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TITLE OF DRAWING SURVEY DATA							New York State Education Law Section 115.6(3)(ii) requires that the title of any plan, contract, or agreement be signed by the professional engineer or land surveyor who prepared the plan, contract, or agreement.		
							If an item bearing the seal of an engineer or land surveyor is attached to the plan, contract, or agreement, the signature of the engineer or land surveyor and the date of such attachment shall be required.		
							1		
							REV		
DRAWING NO. SD-2							DATE		
SHEET 6 OF 50							BY		



CURVE DATA						
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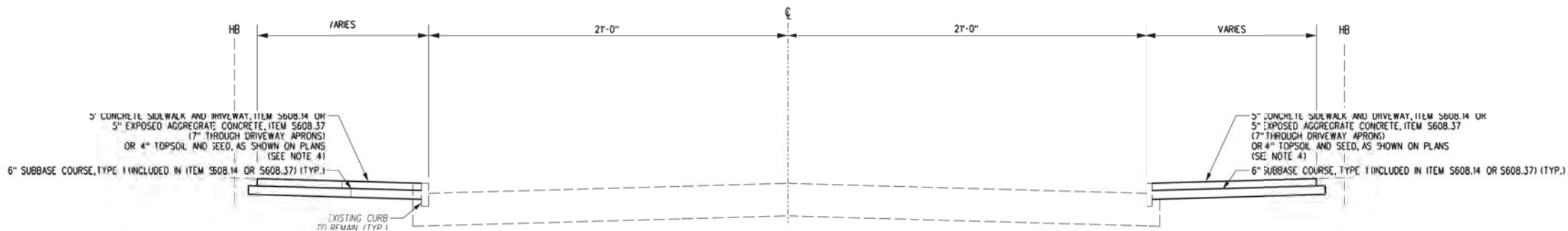
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	PI P-1	77+53.64	1,161,171.4454	1,414,190.2769
	PT	77+93.53	1,161,202.1403	1,414,216.4031
	PC	86+83.66	1,161,879.9818	1,414,793.3524
	PI P-2	87+48.13	1,161,929.0743	1,414,835.1378
	PT	88+06.30	1,161,993.4390	1,414,831.4926
LUX	POT	99+00.00	1,163,085.3880	1,414,769.6510
	POT	8+50.00	1,160,657.3849	1,413,792.9484
	POT	10+00.00	1,160,665.8525	1,413,942.7098
	POT	10+00.00	1,160,674.3356	1,413,946.8684
ROYCROFT	POT	11+50.00	1,160,690.2131	1,414,096.0257
	POT	10+00.00	1,160,887.9542	1,414,051.4662
RANDOLPH	POT	8+50.00	1,160,880.2264	1,413,901.6654
	POT	10+00.00	1,161,003.2126	1,414,107.9021
DURNAN	POT	11+50.00	1,161,003.3902	1,414,257.9020
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ONEIDA	POT	8+50.00	1,161,101.1011	1,414,009.8160
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BARBERRY	POT	11+50.00	1,161,258.6530	1,414,407.9842
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	POT	10+00.00	1,161,538.1857	1,414,502.4304
DELAINE	POT	11+50.00	1,161,547.1029	1,414,652.1651
	POT	10+00.00	1,161,706.5310	1,414,645.7186
CHAPIN	POT	8+50.00	1,161,698.8119	1,414,495.9173
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MOHAWK	POT	10+65.54	1,161,856.1356	1,414,857.4909
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JACKSON	POT	8+50.00	1,161,952.1418	1,414,680.0778
	POT	10+00.00	1,162,114.2582	1,414,824.6501
FURLONG	POT	11+50.00	1,162,123.1754	1,414,974.3848
	POT	10+00.00	1,162,203.1722	1,414,819.6145
POMEROY	POT	8+50.00	1,162,195.4531	1,414,669.8133
	POT	10+00.00	1,162,388.7887	1,414,809.1023
TURPIN	POT	11+50.00	1,162,397.7058	1,414,958.8370
	POT	10+00.00	1,162,446.3030	1,414,805.8450
SYLVESTER	POT	8+50.00	1,162,438.5839	1,414,656.0437
	POT	10+00.00	1,162,666.7225	1,414,793.3617
DICKINSON	POT	11+50.00	1,162,675.2315	1,414,943.1196
	POT	10+00.00	1,162,689.4337	1,414,792.0755
NORTON	POT	8+50.00	1,162,681.7146	1,414,642.2742
	POT	8+50.00	1,162,947.0707	1,414,627.2447
	POT	11+50.00	1,162,963.8106	1,414,926.7761

DATE: JULY 2015
BY: [Signature]
SCALE: 1"=100'
DESIGNED BY: PGW / CUL
DRAWN BY: KLO / MD2

REVISIONS
NO. DATE DESCRIPTION

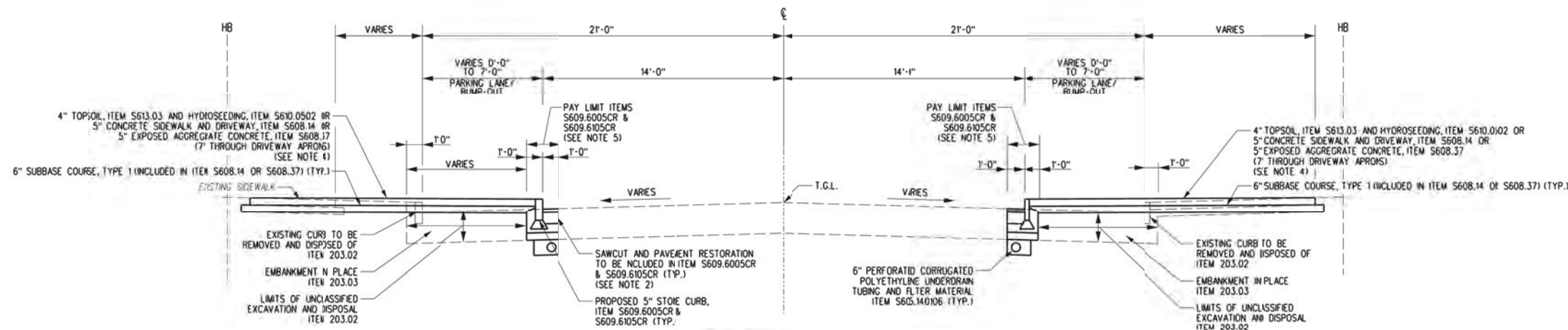
CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
GEOMETRY DATA

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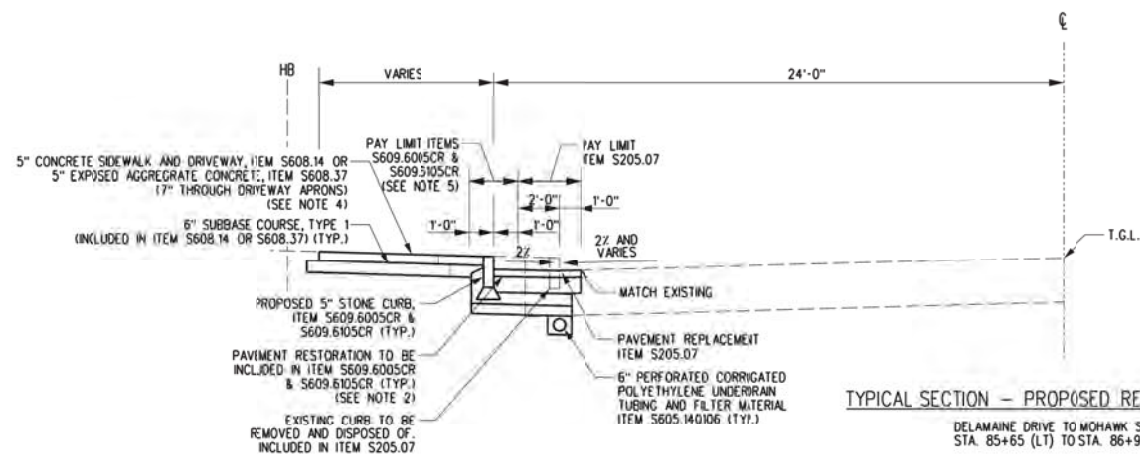
TYPICAL SECTION - PROPOSED

LUX STREET TO NORTON STREET
STA. 70+95 TO STA. 78+75
STA. 88+10 TO STA. 89+60
STA. 93+30 TO STA. 98+50



TYPICAL SECTION - PROPOSED

DURMAN STREET TO DELAMAINE DRIVE
STA. 76+75 TO STA. 85+65
REFER TO PL-2 TO PL-3 FOR
CURB BUMP-OUT LOCATIONS



TYPICAL SECTION - PROPOSED RECESSED PARKING

DELAMAINE DRIVE TO MOHAWK STREET
STA. 85+65 (LT) TO STA. 86+93 (LT)

ITEM NO.	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
S205.07	PAVEMENT REPLACEMENT - ASPHALT BASE (8 INCH)	SY
S04.02	SUBBASE COURSE, TYPE 1	CY
S605.140106	6" PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING	LF
S608.14	CONCRETE SIDEWALK AND DRIVEWAY (INCLUDING EXCAVATION AND SUBBASE COURSE)	CY
S608.37	EXPOSED AGGREGATE CONCRETE (INCLUDING EXCAVATION AND SUBBASE COURSE)	CY
S608.93010005	COLOR-TINTING CONCRETE	CY
S609.6005CR	5" STONE CURB (OR CURB) (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)	LF
S609.6105CR	5" RADIUS STONE CURB (OR CURB) (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)	LF
S610.0502	HYDROSEEDING	SF
S613.03	TOPSOIL	CY

NOTES

1. NEW CURB REVEAL TO BE BETWEEN 6" AND 7", A.O.B.P.M. (UNLESS OTHERWISE NOTED)
2. REFER TO STONE CURB REPLACEMENT - ASPHALT BASE ON CD-18 FOR ASPHALT PAVEMENT RESTORATION.
3. REFER TO PL-1 TO PL-6 FOR LOCATIONS OF CURB REPLACEMENT.
4. REFER TO PL-1 TO PL-6 FOR LOCATIONS AND TYPE OF SURFACE TREATMENT.
5. DOES NOT INCLUDE LIMITS OF NEW CONCRETE AND SUBBASE FOR PROPOSED SIDEWALK OR PROPOSED TOPSOIL AND HYDROSEED.
6. WIDTH OF NEW SIDEWALK TO MATCH WIDTH OF EXISTING SIDEWALK.

DATE	BY	REVISIONS	DESCRIPTION	NO.	DATE
JULY 2015					
SCALE					
NTS					
DESIGNED BY					
PGW / C/J/L					
DRAWN BY:					
KLO / MD2					

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
TYPICAL SECTION



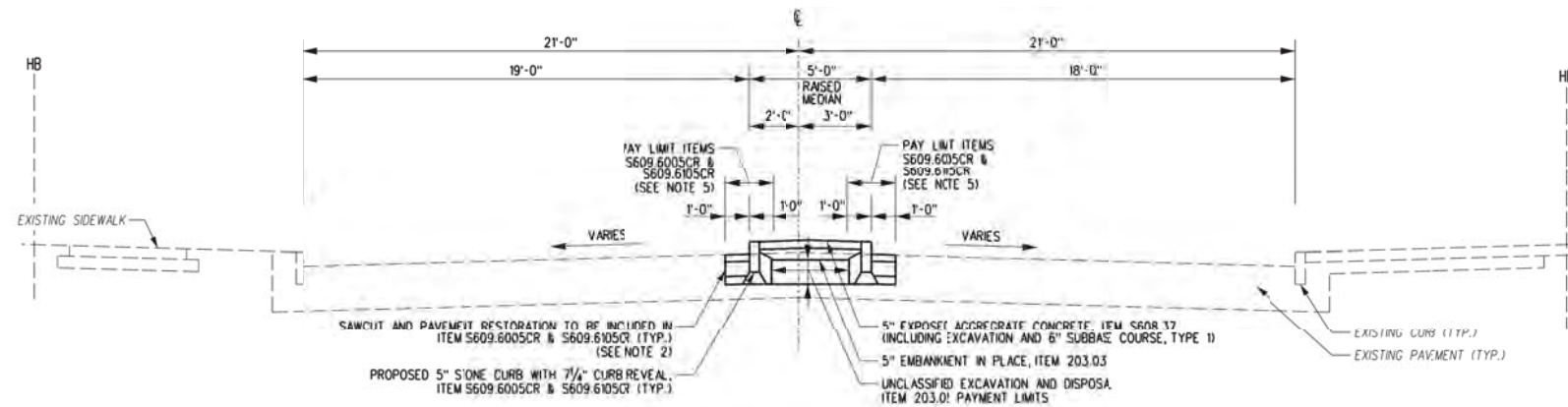
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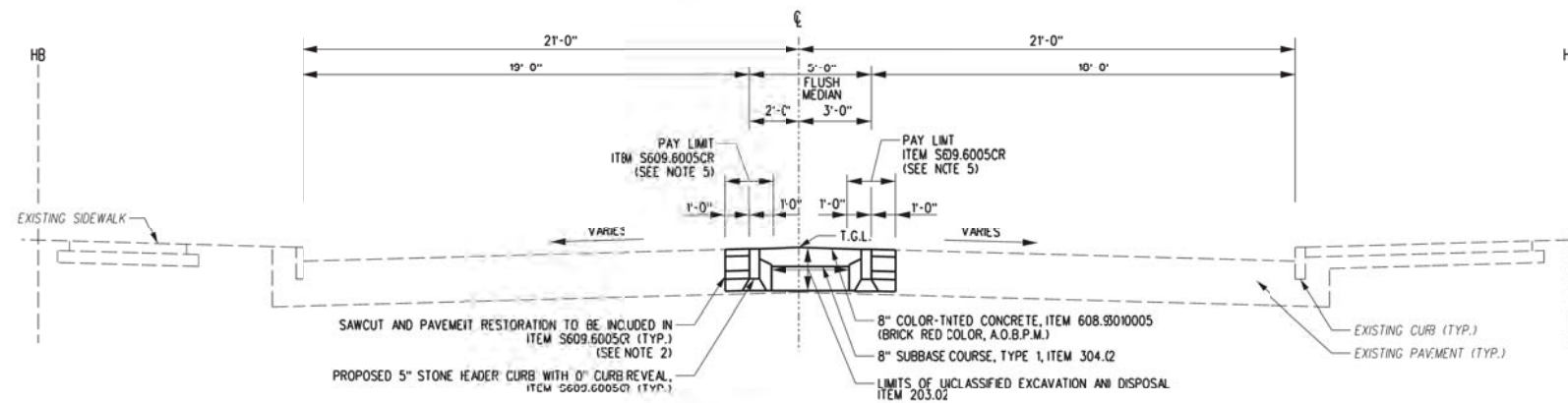
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DRAWING NO.
TS-1
SHEET 8 OF 51
WENDEL JOB NUMBER
2213402



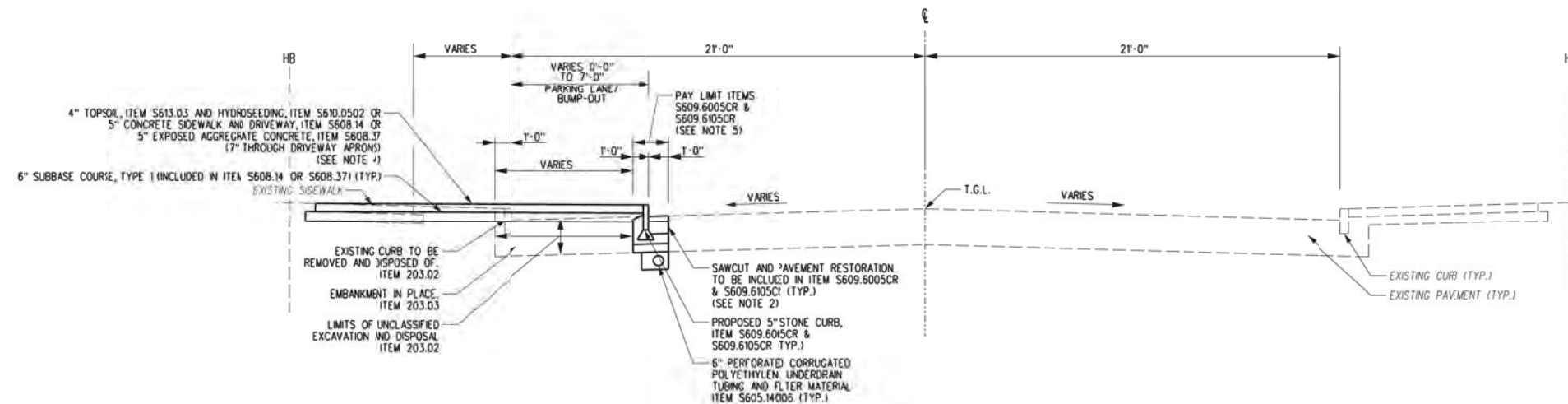
TYPICAL SECTION - PROPOSED RAISED MEDIAN

DELAWARE DRIVE TO JACKSON STREET
STA. 85+11 TO STA. 86+65
STA. 87+59 TO STA. 88+10



TYPICAL SECTION - PROPOSED FLUSH MEDIAN

DELAWARE DRIVE TO JACKSON STREET
STA. 86+65 TO STA. 87+59



TYPICAL SECTION - PROPOSED

JACKSON STREET TO NORTON STREET
STA. 89+60 TO STA. 93+30
REFER TO PL-4 TO PL-6 FOR
CURB BUMP-OUT LOCATIONS

ITEM NO.	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
S205.07	PAVEMENT REPLACEMENT - ASPHALT BASE (8 INCH)	SY
304.02	SUBBASE COURSE, TYPE 1	CY
S605.140106	6" PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING	LF
S608.14	CONCRETE SIDEWALK AND DRIVEWAY (INCLUDING EXCAVATION AND SUBBASE COURSE)	CY
S608.37	EXPOSED AGGREGATE CONCRETE (INCLUDING EXCAVATION AND SUBBASE COURSE)	CY
608.93010005	COLOR-TINTING CONCRETE	CY
S609.6005CR	5" STONE CURB (CR CURB) (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)	LF
S609.6105CR	5" RADIUS STONE CURB (CR CURB) (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)	LF
S610.0502	HYDROSEEDING	SF
S613.03	TOPSOIL	CY

NOTES

1. NEW CURB REVEAL TO BE BETWEEN 6" AND 7", A.O.B.P.M. (UNLESS OTHERWISE NOTED)
2. REFER TO STONE CURB REPLACEMENT - ASPHALT BASE ON CD-18 FOR ASPHALT PAVEMENT RESTORATION.
3. REFER TO PL-1 TO PL-6 FOR LOCATIONS OF CURB REPLACEMENT.
4. REFER TO PL-1 TO PL-6 FOR LOCATIONS AND TYPE OF SURFACE TREATMENT.
5. DOES NOT INCLUDE LIMITS OF NEW CONCRETE AND SUBBASE FOR PROPOSED SIDEWALK OR PROPOSED TOPSOIL AND HYDROSEED.
6. WIDTH OF NEW SIDEWALK TO MATCH WIDTH OF EXISTING SIDEWALK.

DATE:	JULY 2015
BY:	NTS
DESIGNED BY:	PGW/CJL
DRAWN BY:	KLO/MD2

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
TYPICAL SECTION



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DRAWING NO.
TS-2
SHEET 9 OF 51
WENDEL JOB NUMBER
2213402

NOTES:

1. LIMITS SHOWS ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
2. UPPER LIMIT FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE AT TIME OF TRENCH EXCAVATION.
3. UPPER LIMIT FOR ROCK EXCAVATION IS TOP SURFACE OF ROCK.
4. UPPER LIMIT FOR SELECT GRANULAR BACKFILL (WATER) IS BOTTOM OF TEMPORARY PAVEMENT, IF USED, OTHERWISE TOP OF SURFACE.
5. TEMPORARY OR PERMANENT BLOCKS OR AN OTHER TYPE OF PIPE SUPPORTS NOT TO BE USED DURING PIPE INSTALLATION.
6. MINIMUM DEPTH OF COVER FOR WATER PIPE FROM TOP OF PROPOSED GRADE IS 4.25 FEET FOR DOMESTIC WATER PIPE, AND 5 FEET FOR HCLY WATER PIPE, UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.

CITY OF ROCHESTER

**WATER TRENCH
PAVEMENT
REHABILITATION**

ISSUE#	1-13-06	NON-STANDARD
REVISED	11-22-10	DWG NO. 900

1. ONE STANDARD FULL LENGTH OF WATER MAIN PIPE IS TO BE CENTERED ON SEWER PIPE SO THAT BOTH JOINTS OF WATER MAIN PIPE WILL BE AS FAR FROM SEWER PIPE AS POSSIBLE.
2. THRUST BLOCKS AND PIPE/JOINT RESTRAINTS ARE TO BE PROVIDED AT ALL BENDS, SEE DETAILS S900-5, S900-7, S900-8 AND S900-10.
3. WHERE WATER MAIN PIPE PASSES UNDER SEWER PIPE THERE IS TO BE MINIMUM 18 INCHES OF VERTICAL SEPARATION BETWEEN WATER MAIN PIPE AND SEWER PIPE.
4. WHERE VERTICAL SEPARATION IS LESS THAN 18 INCHES, WATER MAIN PIPE JOINTS LOCATED WITHIN 18 FEET OF BOTH SIDES OF SEWER PIPE MUST BE ENCASED WITHIN UNCONTROLLED DENSITY FILL MATERIAL, OR SEWER PIPE CONSTRUCTED WITH WATER MAIN STANDARD PIPE AND TESTED TO 150 PSI.
5. WHERE WATER MAIN PIPE PASSES UNDER SEWER PIPE THERE IS TO BE MINIMUM OF 6 INCHES OF CLASS C CONCRETE OR CRUSHED STONE BEDDING MATERIAL FOR SEWER PIPE.

CITY OF ROCHESTER

**WATER MAIN
CROSSING BELOW
SEWER PIPE**

ISSUED	1-13-06	NON-STANDARD
REVISED	11-23-10	DWG. NO. S900-0

AREA OF BEARING FACE OF THRUST BLOCK IN SQUARE FEET
(AREA BASED ON INTERNAL PRESSURE OF 130 PSIG
AND SOIL BEARING PRESSURE OF 2000 PSF) (SEE NOTE 1)

PIPE SIZE	BEND				TEE PLUG	REDUCER	
	90°	45°	22-1/2°	11-1/4°		SIZE	AREA
4" - 6"	4	2.5	1.5	1	3	6" x 4"	2
8"	7	4	2	1	5	8" x 6"	2.5
12"	14.5	8	4	2	10.5	12" x 8"	5.5

AT TEE **AT BEND** **TYPICAL ELEVATION**

AT TEE, CROSS AND PLUG **AT REDUCER**

NOTES:

- SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
- THRUST BLOCK IS TO BE POURED AGAINST UNDISTURBED EARTH. WIDTH OF THRUST BLOCK SHOULD BE APPROXIMATELY TWICE HEIGHT.
- THRUST BLOCK IS TO BE INSTALLED AT ALL BENDS, PLUGS, TEES, AND TAPPING SLEEVE AND VALVE CONNECTIONS.
- FACTORY CAST OFFSETS ARE TO BE TREATED AS (2) 45 DEGREE BENDS.
- FOR REDUCERS, THRUST BLOCK IS TO BE KEYPED INTO WALLS AND BOTTOM OF TRENCH.
- MECHANICAL RESTRAINT IS REQUIRED IN ADDITION TO THRUST BLOCK, SEE DETAIL S900-7.
- WOOD BLOCKING IS NOT RECOMMENDED.

CITY OF ROCHESTER

**HORIZONTAL
THRUST BLOCK
DOMESTIC SYSTEM**

ISSUED 1-13-06	NON-STANDARD
REVISED 8-2-13	DWG. NO. S900

PIPE SIZE (INCHES)	DEPTH	TOP SECTION MINIMUM VOLUME CONCRETE	MINIMUM DIMENSIONS (IN FEET)							
			A	B	C	D	E	F	G	H
6"	11-1/4"	0.25 CY	1.0	2.5	1.0	1.5	0.5	1.0	2.5	0.5
	22-1/2"	0.50 CY	1.0	2.5	1.0	1.5	1.0	2.0	2.5	1.5
	45"	0.95 CY	1.0	2.5	1.0	3.0	1.5	2.0	2.5	1.5
	90"	1.30 CY	1.0	2.5	2.0	3.5	1.5	2.0	2.5	1.5
8"	11-1/4"	0.45 CY	1.0	2.7	1.0	1.5	1.0	1.5	2.7	1.0
	22-1/2"	0.90 CY	1.0	2.7	1.0	2.5	1.0	2.0	2.7	1.5
	45"	1.65 CY	1.0	2.7	1.5	3.5	1.5	2.0	3.0	1.5
	90"	2.35 CY	1.5	2.7	3.0	4.0	2.0	3.0	3.0	2.5
12"	11-1/4"	1.05 CY	1.0	3.0	1.5	2.5	1.5	2.0	3.0	1.5
	22-1/2"	2.00 CY	1.0	3.0	1.5	4.0	2.0	2.0	3.0	1.5
	45"	3.70 CY	1.5	3.0	3.0	5.0	2.0	3.0	3.5	2.5
	90"	5.20 CY	1.5	3.0	5.0	5.5	2.5	3.5	4.0	3.0

UPPER VERTICAL BEND

LOWER VERTICAL BEND

NOTES:

- SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
- MECHANICAL RESTRAINT IS REQUIRED IN ADDITION TO THRUST BLOCK, SEE DETAIL S90-7.

CITY OF ROCHESTER

VERTICAL
THRUST BLOCK
DOMESTIC SYSTEM

ISSUED	1-13-06	NON-STANDARD
REVISED	5-11-09	DWG. NO. S900

NOTES:

1. LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY CITY AND MOIROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. IF SAMPLING TAP IS LOCATED IN PAVED AREA SAMPLING TAP IS TO BE KEPT BELOW GROUND EXCEPT WHEN IN USE.
3. IF APPROVED BY CITY, SAMPLING TAP MAY BE LOCATED AT SAME LOCATION AS NEW WATER SERVICE.
4. IF SAMPLING TAP IS NOT TO BE USED AS NEW WATER SERVICE, UPON NOTIFICATION OF ACCEPTABLE SAMPLE RESULTS, CORPORATION STOP IS TO BE REMOVED AND REPLACED WITH A BRASS PLUG OR CORPORATION STOP IS TO BE CLOSED, WATER SERVICE PIPE DISCONNECTED FROM CORPORATION AND BRASS CAP INSTALLED ON OUTLET OF CORPORATION STOP.
5. MAXIMUM DISTANCE BETWEEN SAMPLING TAPS ON NEW WATER MAIN INSTALLATION IS 1,000 FEET.

CITY OF ROCHESTER

DISINFECTION SAMPLING TAP

ISSUED	1-13-06	NON-STANDARD
REVISED	2-19-15	DWG. NO. S900

<p>2. CONCRETE THRUST BLOCK IS TO BE USED IN ADDITION TO MECHANICAL RESTRAINT DEVICES, SEE DETAILS S900-4 AND S900-5.</p> <p>3. ALL PLASTIC AND POLYETHYLENE WRAPPED DUCTILE IRON DOMESTIC WATER MAIN PIPE AND FITTING JOINTS WITHIN 1'-LHS L-SDIMENSIONS MUST BE RESTRAINED USING APPROVED MECHANICAL RESTRAINT DEVICE.</p> <p>4. ASSUMPTION: SP SOILS, 4.50 FEET COVER, AND TYPE 4 LAYING CONDITION.</p>	<table border="1"> <tr> <td colspan="2">CITY OF ROCHESTER</td> </tr> <tr> <td colspan="2">WATER MAIN PIPE RESTRAINT DOMESTIC SYSTEM</td> </tr> <tr> <td>ISSUED</td> <td>5-8-08</td> </tr> <tr> <td>REVISED</td> <td>9-1-09</td> </tr> <tr> <td colspan="2">NON-STANDARD DWG. NO. S900-</td> </tr> </table>	CITY OF ROCHESTER		WATER MAIN PIPE RESTRAINT DOMESTIC SYSTEM		ISSUED	5-8-08	REVISED	9-1-09	NON-STANDARD DWG. NO. S900-	
CITY OF ROCHESTER											
WATER MAIN PIPE RESTRAINT DOMESTIC SYSTEM											
ISSUED	5-8-08										
REVISED	9-1-09										
NON-STANDARD DWG. NO. S900-											

PLAN

ELEVATION

NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EXCAVATIONS ARE ADEQUATELY PROTECTED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
- SHORING MUST BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH OSHA REGULATIONS, AND ADEQUATE CLEARANCES PROVIDED, WHEREVER WATER BUREAU PERSONNEL MUST ENTER AN EXCAVATION. EXCEPTIONS TO THIS POLICY CAN ONLY BE MADE BY THE DIRECTOR OF WATER OR HIS REPRESENTATIVE.
- THE CONTRACTOR SHALL MAKE AND SHORE THE EXCAVATION, CLEAN THE AREA OF THE WATER MAIN FOR THE TAP, ATTACH THE TAPPING SLEEVE AND VALVE TO THE MAIN FOR SERVICES 4-INCH DIAMETER AND LARGER OR ATTACH THE TAPPING SADDLE (WHERE REQUIRED) TO THE MAIN FOR SERVICES 2-INCH DIAMETER AND SMALLER AND INSURE THAT THE WORK AREA IS READY FOR INSPECTION BY BUREAU PERSONNEL PRIOR TO MAKING THE TAP.

MINIMUM CLEARANCE DIMENSIONS			
EXCAVATION FOR	A	B	C
SMALL SERVICE TAP (2-INCH AND SMALLER)	0'-6"	5'-0"	4'-0"
LARGE SERVICE TAP (4-INCH AND LARGER)	1'-0"	7'-0"	4'-0"

CITY OF ROCHESTER

WATER SERVICE TAP EXCAVATION

ISSUED	4-29-11	NON-STANDARD
REVISED		DWG. NO. S900-

TERMINATION BOX

3" MAXIMUM

TERMINAL BOARD

TRACER WIRE

HYDRANT BLANCH

HYDRANT

PLASTIC WATER MAIN PIPE

TAPE OR PLASTIC STRAPS AT MAXIMUM 8' INTERVALS

NOTES:

1. "OR OPEN CUT INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER WITH 30 MIL BLUE HMWPE INSULATION. FOR TRENCHLESS INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER CLAD STEEL CORE WITH 45 MIL BLUE HDPE INSULATION.
2. "OR PLASTIC WATER MAIN PIPE, TRACER WIRE IS TO RUN ALONG TOP OF AND BE SECURED TO WATER MAIN PIPE WITH PLASTIC STRAPS OR TAPE PLACED AT MAXIMUM 8 FEET INTERVALS. AT WATER VALVE, TRACER WIRE IS TO RUN ALONG SIDE OF PLASTIC WATER MAIN PIPE.
3. TRACER WIRE IS TO BE CONNECTED TO TERMINATION BOX INSTALLED ADJACENT TO HYDRANT. EXTEND TRACER WIRE UP INSIDE OF TERMINATION BOX LEAVING MINIMUM OF 3 FEET OF TRACER WIRE COILED UP INSIDE TOP OF TERMINATION BOX. CONNECT END OF TRACER WIRE TO TERMINAL BOARD.

CITY OF ROCHESTER	
PLASTIC WATER MAIN TRACER WIRE INSTALLATION	
ISSUED	1-13-08 NON-STANDARD
REVISED	6-1-09 DWG. NO. S901-

DATE:	BY:	REVISIONS	DESCRIPTION	NO.	DATE
JULY 2015					
SCALE:					
AS NOTED					
DESIGNED BY:					
PGW / C.J.L.					
DRAWN BY:					
KLO / MD2					

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
CONSTRUCTION DETAILS



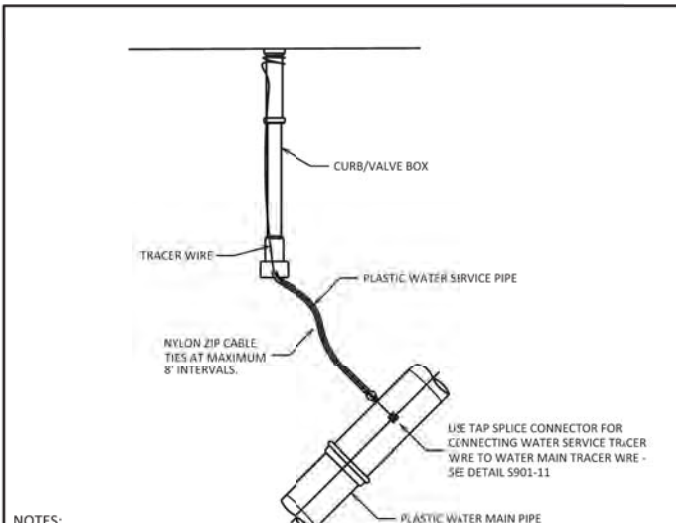
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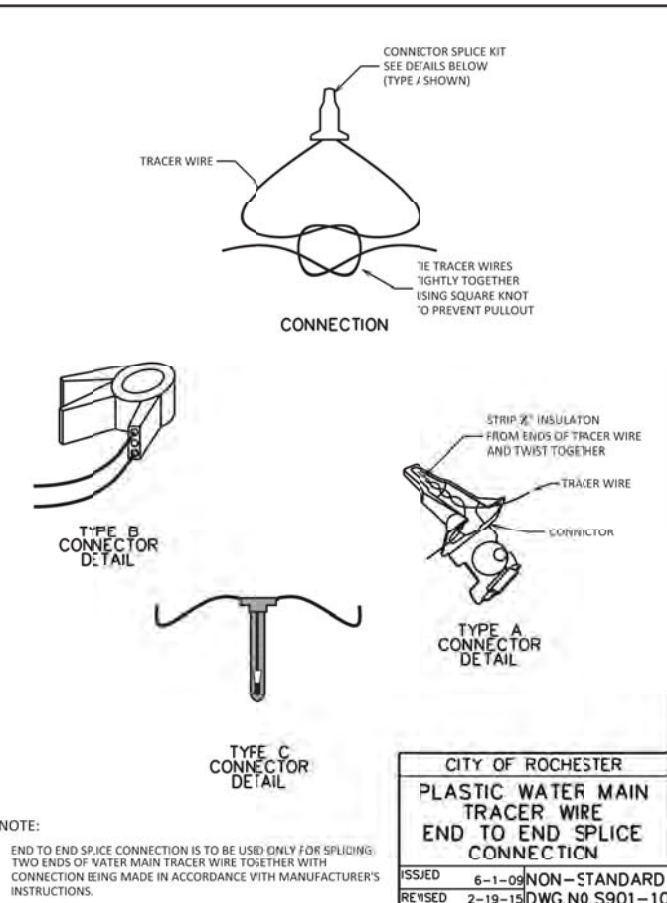
Wendel Engineering, P.C.
Professional Engineer

DRAWING NO:
CD-2
SHEET 11 OF 51
WENDEL JOB NUMBER
2213402



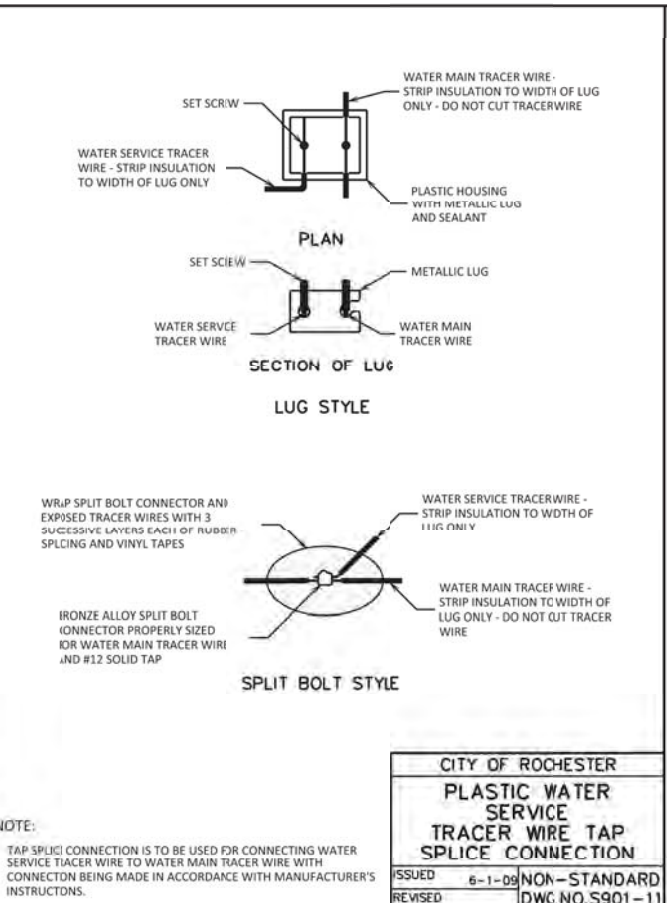
- NOTES:
- FOR OPEN CUT INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER WITH 30 MIL BLUE HMWPE INSULATION. FOR TRENCHLESS INSTALLATION, TRACER WIRE IS TO BE #12 AWG SOLID COPPER CLAD STEEL CORE WITH 45 MIL BLUE HOPE INSULATION.
 - FOR NEW PLASTIC WATER SERVICE PIPE CONNECTED TO PLASTIC WATER MAIN PIPE, WATER SERVICE TRACER WIRE IS TO BE SPliced TO WATER MAIN TRACER WIRE AND EXTENDED UP TO TOP OF CURB/VALVE BOX. WATER SERVICE TRACER WIRE IS TO RUN ALONG TOP OF AND BE SECURED TO PLASTIC WATER SERVICE PIPE WITH NYLON ZIP CABLE TIES PLACED AT MAXIMUM EFFECT INTERVALS.
 - FOR CURB/VALVE BOX IN LAWN AREA, EXTEND WATER SERVICE TRACER WIRE UP OUTSIDE OF CURB/VALVE BOX WINDING END 3 TIMES AROUND AND APPROXIMATELY 1 INCH BELOW TOP OF CURB/VALVE BOX. FOR CURB/VALVE BOX IN PAVED AREA, EXTEND WATER SERVICE TRACER WIRE UP INSIDE OF CURB/VALVE BOX LEAVING MINIMUM OF 3 FEET OF WATER SERVICE TRACER WIRE COILED UP INSIDE TOP OF CURB/VALVE BOX.
 - FOR NEW PLASTIC WATER SERVICE PIPE CONNECTED TO CAST/DUCTILE IRON WATER MAIN PIPE, WATER SERVICE TRACER WIRE IS TO BE CONNECTED TO CORPORATION STOP WITH BRASS THAW WIRE NUT COMPRESSION ASSEMBLY WITH SET SCREW.

CITY OF ROCHESTER			
PLASTIC WATER MAIN TRACER WIRE INSTALLATION			
ISSUED	1-13-06	NON-STANDARD	
REVISED	2-19-15	DWG. NO. S901-9	



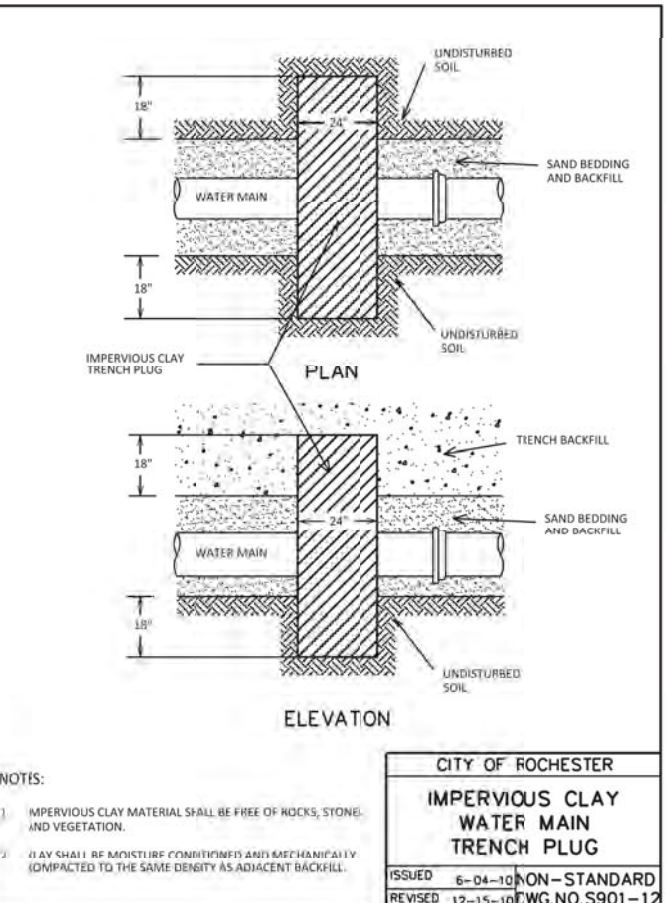
- NOTE: END TO END SPICE CONNECTION IS TO BE USED ONLY FOR SPLICING TWO ENDS OF WATER MAIN TRACER WIRE TOGETHER WITH CONNECTION BEING MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CITY OF ROCHESTER			
PLASTIC WATER MAIN TRACER WIRE END TO END SPICE CONNECTION			
ISSUED	6-1-09	NON-STANDARD	
REVISED	2-19-15	DWG. NO. S901-10	



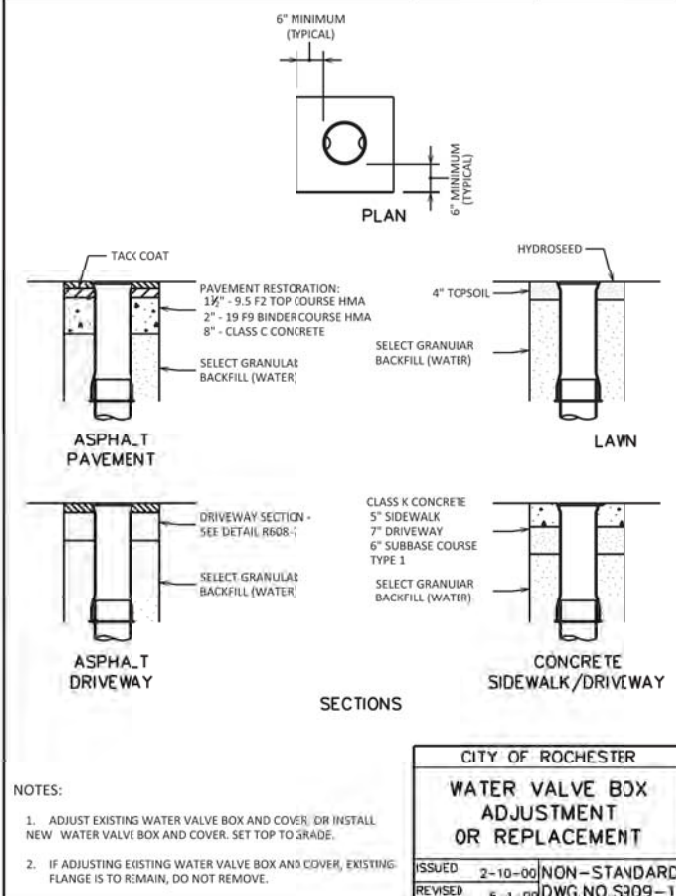
- NOTE: TAP SPLICING CONNECTION IS TO BE USED FOR CONNECTING WATER SERVICE TRACER WIRE TO WATER MAIN TRACER WIRE WITH CONNECTION BEING MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CITY OF ROCHESTER			
PLASTIC WATER SERVICE TRACER WIRE TAP SPLICING CONNECTION			
ISSUED	6-1-09	NON-STANDARD	
REVISED		DWG. NO. S901-11	



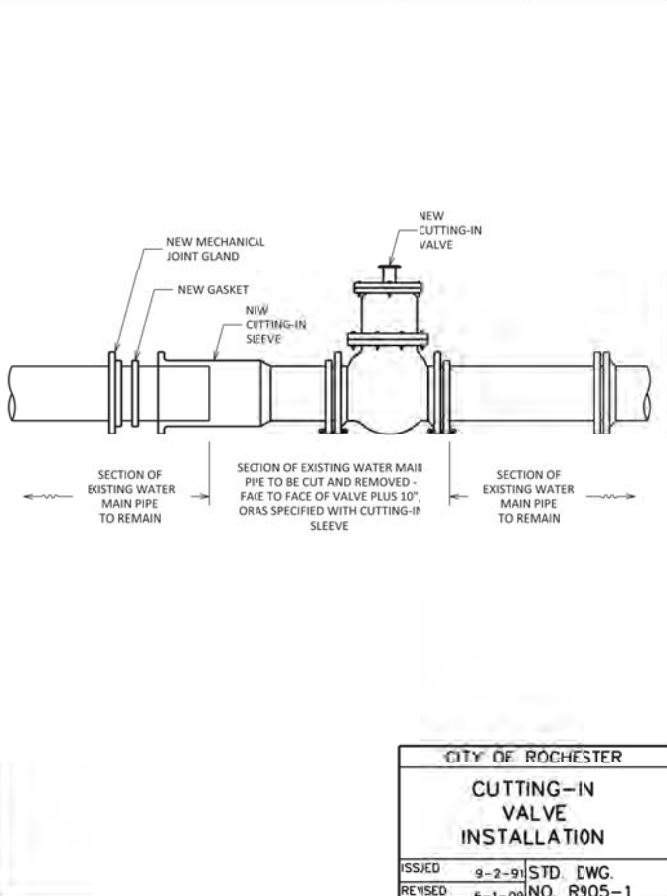
- NOTES:
- IMPERVIOUS CLAY MATERIAL SHALL BE FREE OF ROCKS, STONE, AND VEGETATION.
 - CLAY SHALL BE MOISTURE CONDITIONED AND MECHANICALLY COMPACTED TO THE SAME DENSITY AS ADJACENT BACKFILL.

CITY OF ROCHESTER			
IMPERVIOUS CLAY WATER MAIN TRENCH PLUG			
ISSUED	6-04-10	NON-STANDARD	
REVISED	12-15-10	DWG. NO. S901-12	

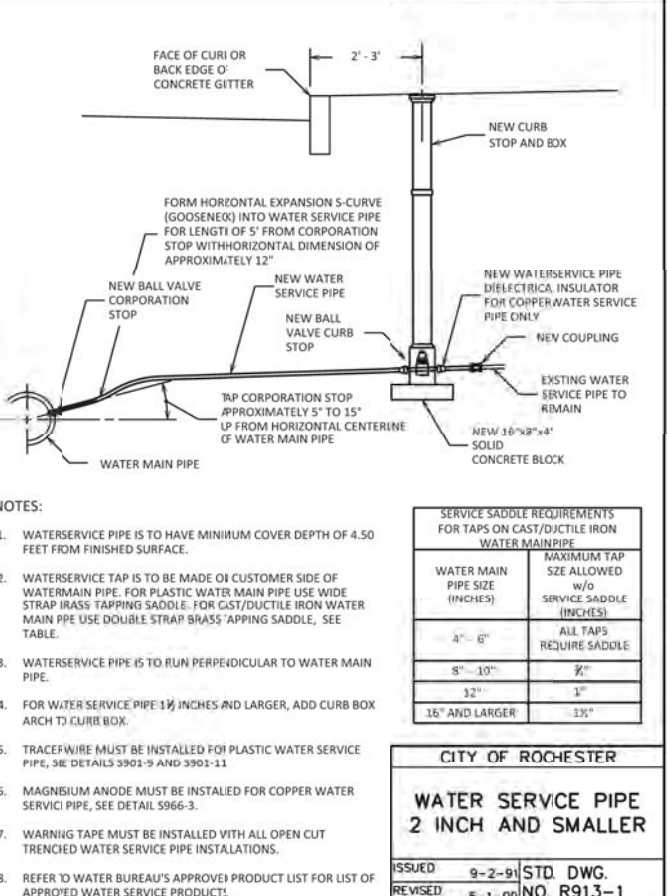


- NOTES:
- ADJUST EXISTING WATER VALVE BOX AND COVER OR INSTALL NEW WATER VALVE BOX AND COVER. SET TOP TO GRADE.
 - IF ADJUSTING EXISTING WATER VALVE BOX AND COVER, EXISTING FLANGE IS TO REMAIN, DO NOT REMOVE.

CITY OF ROCHESTER			
WATER VALVE BOX ADJUSTMENT OR REPLACEMENT			
ISSUED	2-10-00	NON-STANDARD	
REVISED	6-1-09	DWG. NO. S309-1	



CITY OF ROCHESTER			
CUTTING-IN VALVE INSTALLATION			
ISSUED	9-2-91	STD. DWG.	
REVISED	6-1-09	NO. R905-1	



- NOTES:
- WATERSERVICE PIPE IS TO HAVE MINIMUM COVER DEPTH OF 4.50 FEET FROM FINISHED SURFACE.
 - WATERSERVICE TAP IS TO BE MADE ON CUSTOMER SIDE OF WATERMAIN PIPE. FOR PLASTIC WATER MAIN PIPE USE WIDE STRAP IRASS TAPPING SADDLE. FOR CAST/DUCTILE IRON WATER MAIN PIPE USE DOUBLE STRAP BRASS TAPPING SADDLE. SEE TABLE.
 - WATERSERVICE PIPE IS TO RUN PERPENDICULAR TO WATER MAIN PIPE.
 - FOR WATER SERVICE PIPE 1 1/2 INCHES AND LARGER, ADD CURB BOX ARCH TO CURB BOX.
 - TRACER WIRE MUST BE INSTALLED FOR PLASTIC WATER SERVICE PIPE, SEE DETAILS S901-9 AND S901-11.
 - MAGNESIUM ANODE MUST BE INSTALLED FOR COPPER WATER SERVICE PIPE, SEE DETAIL S966-3.
 - WARNING TAPE MUST BE INSTALLED WITH ALL OPEN CUT TRENCHED WATER SERVICE PIPE INSTALLATIONS.
 - REFER TO WATER BUREAU'S APPROVED PRODUCT LIST FOR LIST OF APPROVED WATER SERVICE PRODUCT.

SERVICE SADDLE REQUIREMENTS FOR TAPS ON CAST/DUCTILE IRON WATER MAIN PIPE			
WATER MAIN PIPE SIZE (INCHES)	MAXIMUM TAP SIZE ALLOWED (INCHES)	W/O SERVICE SADDLE (INCHES)	ALL TAPS REQUIRE SADDLE
4" - 6"	1/2"		
8" - 10"	3/4"		
12"	1"		
16" AND LARGER	1 1/2"		

CITY OF ROCHESTER			
WATER SERVICE PIPE 2 INCH AND SMALLER			
ISSUED	9-2-91	STD. DWG.	
REVISED	6-1-09	NO. R913-1	

CITY OF ROCHESTER
WATER SERVICE INSTALLATION DATA

PROPERTY ADDRESS: _____

STREET SERVICE TAPPED ON (IF DIFFERENT): _____

DATE OF INSTALLATION: _____ DOMESTIC OR HOLLY SYSTEM?

TAP SIZE: _____ DISTANCE, MAIN TO ROW LINE: _____ SIDE OF ST. TAPPED: _____

CURB STOP/VALVE SIZE: _____ SERVICE LENGTH: _____ SERVICE MATERIAL: _____

CONTRACTOR/PLUMBER: _____

TAP INSTALLED BY: _____ INSPECTOR: _____

CURB OR OPERATING VALVE LOCATION: _____

TAP OR GUARD VALVE LOCATION (IF DIFFERENT): _____

INSULATOR INSTALLED? _____ IF YES, WHERE: TAP _____ CURB STOP _____

ANODE INSTALLED? _____ IF YES, SIZE: _____ LBS., ATTACHED TO: TAP _____ SERVICE _____ MAIN _____

INSIDE SERVICE MATERIAL & SIZE: _____

* MEASURED FROM ROW OF NEAREST INTERSECTING STREET OR HYDRANT, WHICHEVER IS CLOSER

OCT. 2013

NOTES:

- WATER SERVICE CARD WILL BE SUPPLIED BY WATER BUREAU. REQUIRED INFORMATION IS TO BE TYPED OR NEATLY PRINTED ON WATER SERVICE CARD.
- WATER SERVICE CARD FOR WATER SERVICE THAT IS ABANDONED AT TAP IS TO BE MARKED "ABANDONED AT TAP" AROUND FACE OF WATERSERVICE CARD WITH CONTRACTOR'S NAME AND DATE ABANDONED BEING NOTED.
- MEASUREMENT FOR LOCATION OF CURB STOP IS TO BE TAKEN FROM RIGHT-OF-WAY EXTENSION OF NEAREST INTERSECTING STREET AS MEASURED PARALLEL TO STREET ON WHICH WATER SERVICE IS INSTALLED, OR FROM NEAREST HYDRANT LOCATED OFF OF SAME WATER MAIN, WHICHEVER IS CLOSER (SEE NOTE 4 FOR EXCEPTION). WHENEVER POSSIBLE, MEASUREMENTS SHOULD BE LESS THAN 300 FEET.
- IF NEAREST INTERSECTING STREET RIGHT-OF-WAY EXTENSION IS NOT PERPENDICULAR TO THE STREET RIGHT-OF-WAY ON WHICH THE CURB STOP IS LOCATED, THE CURB STOP MEASUREMENT SHOULD BE TAKEN FROM THE NEAREST HYDRANT ATTACHED TO THE WATER MAIN WHICH THE WATER SERVICE IS CONNECTED TO. IF SUCH A HYDRANT IS NOT AVAILABLE, THEN ANOTHER PERMANENT FEATURE, PRE-APPROVED BY THE WATER BUREAU, SHALL BE USED FOR THE CURB STOP MEASUREMENT.
- MEASUREMENTS ARE TO BE ENTERED IN TENTHS OF FEET. DO NOT USE INCHES. ROUNDING TO THE NEAREST 0.5 FEET IS ACCEPTABLE.
- IF SERVICE IS INSTALLED WITH HORIZONTAL BEND, DRAW A SKETCH ON THE BACK OF THE CARD SHOWING THE LOCATION OF THE MAIN, CORPORATION, SERVICE AND CURB STOP. THE DISTANCE BETWEEN THE BEND AND CURB STOP AND OFFSET DIMENSIONS BETWEEN THE BEND AND THE CORPORATION AND CURB STOP SHOULD BE SHOWN IN THE SKETCH.

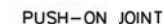
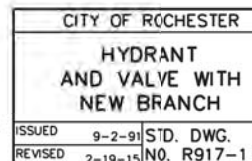
CITY OF ROCHESTER			
WATER SERVICE CARD			
ISSUED	9-2-91	STD. DWG.	
REVISED	10-23-13	NO. R913-3	



CITY OF ROCHESTER		
BYPASS PIPE CROSSING AT DRIVEWAY, SIDEWALK AND STREET		
ISSUED	2-10-00	NON-STANDARD
REVISED	6-1-00	DWG NOS 916-1



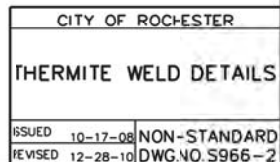
CITY OF ROCHESTER	
BYPASS PIPE AT SIDEWALK ACCESS RAMP	
2-10-00	NON-STANDARD
11-22-10	DWG. NO. S916-2



CITY OF ROCHESTER	
JOINT BOND FOR METALLIC WATER MAIN PIPE/FITTING	
ISSUED	1-13-06 NON-STANDARD
REVISED	9-16-11 DWG. NO. S962-1



CITY OF ROCHESTER	
ANODE AT NEW DUCTILE	
IRON WATER MAIN OR	
DUCTILE IRON FITTING ON	
NEW PLASTIC WATER	
MAIN	
ISSUED	3-21-02 NON-STANDARD
REVISED	12-28-10 DWG NOS966-1



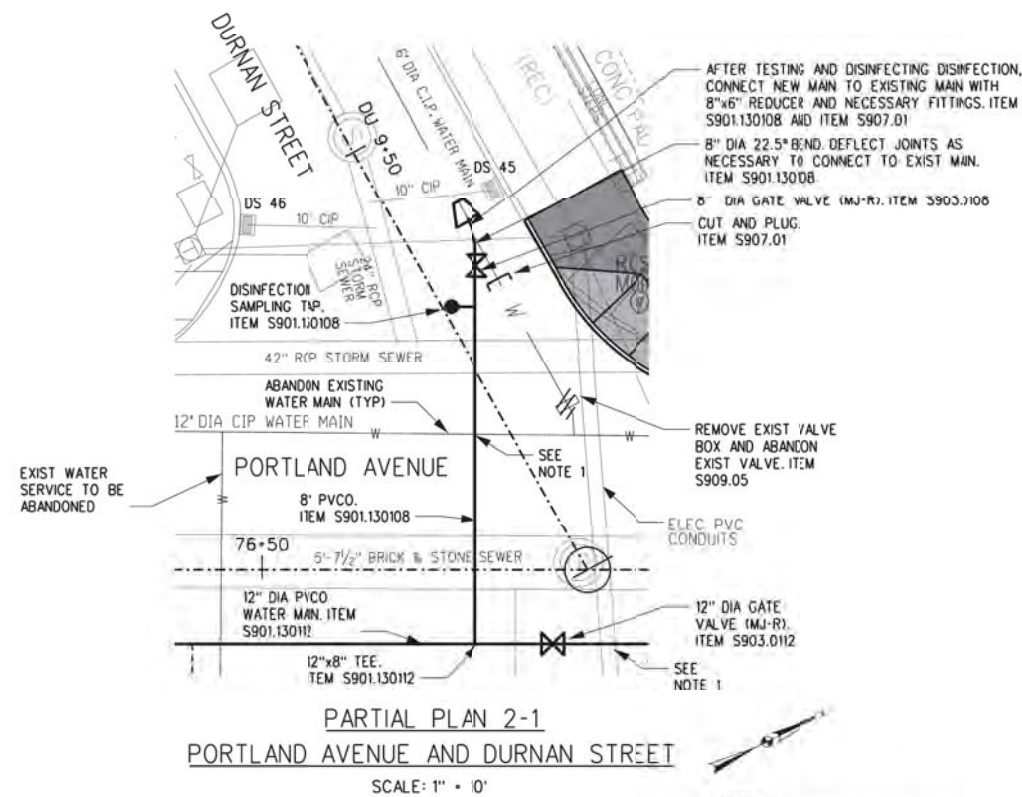
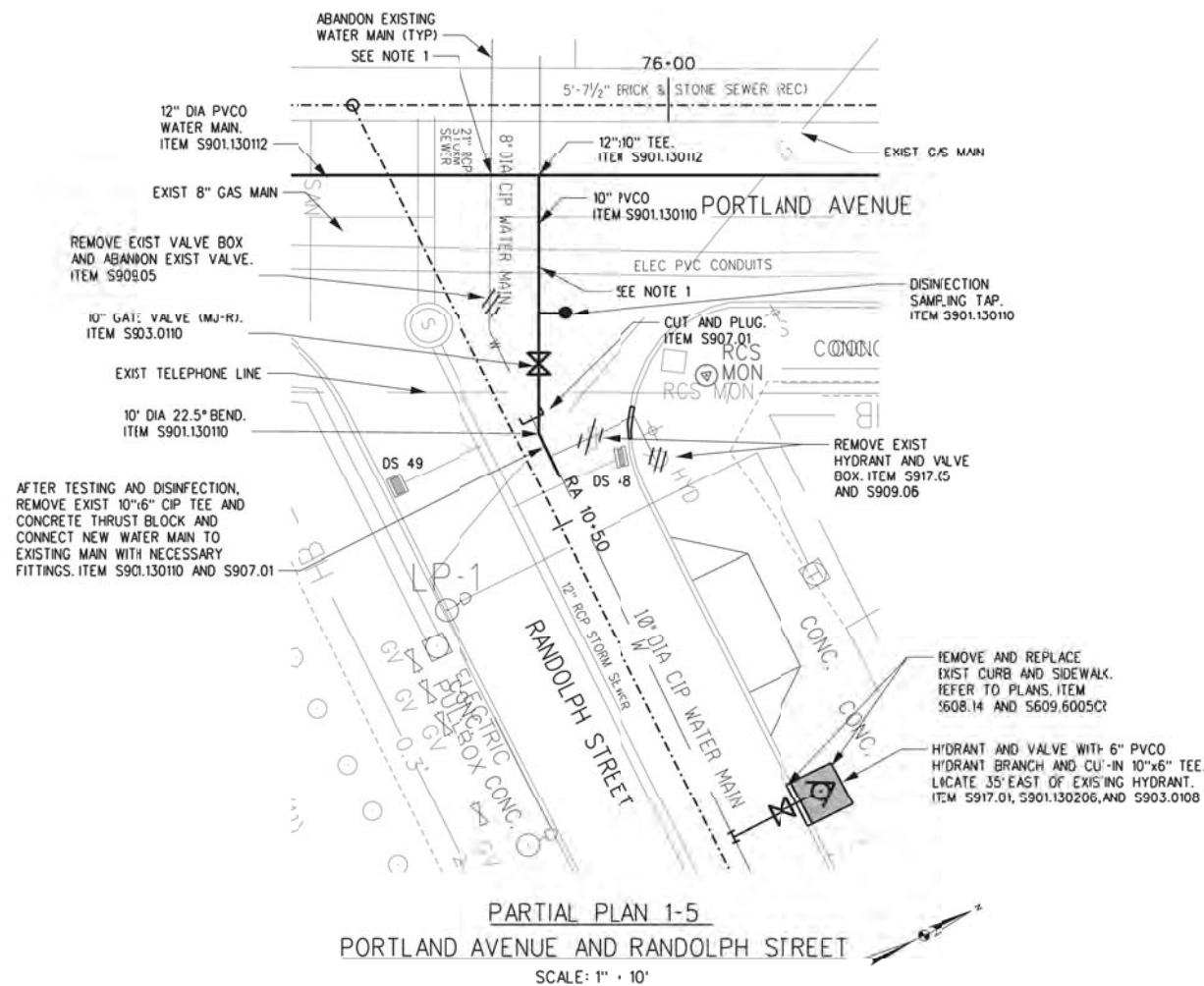
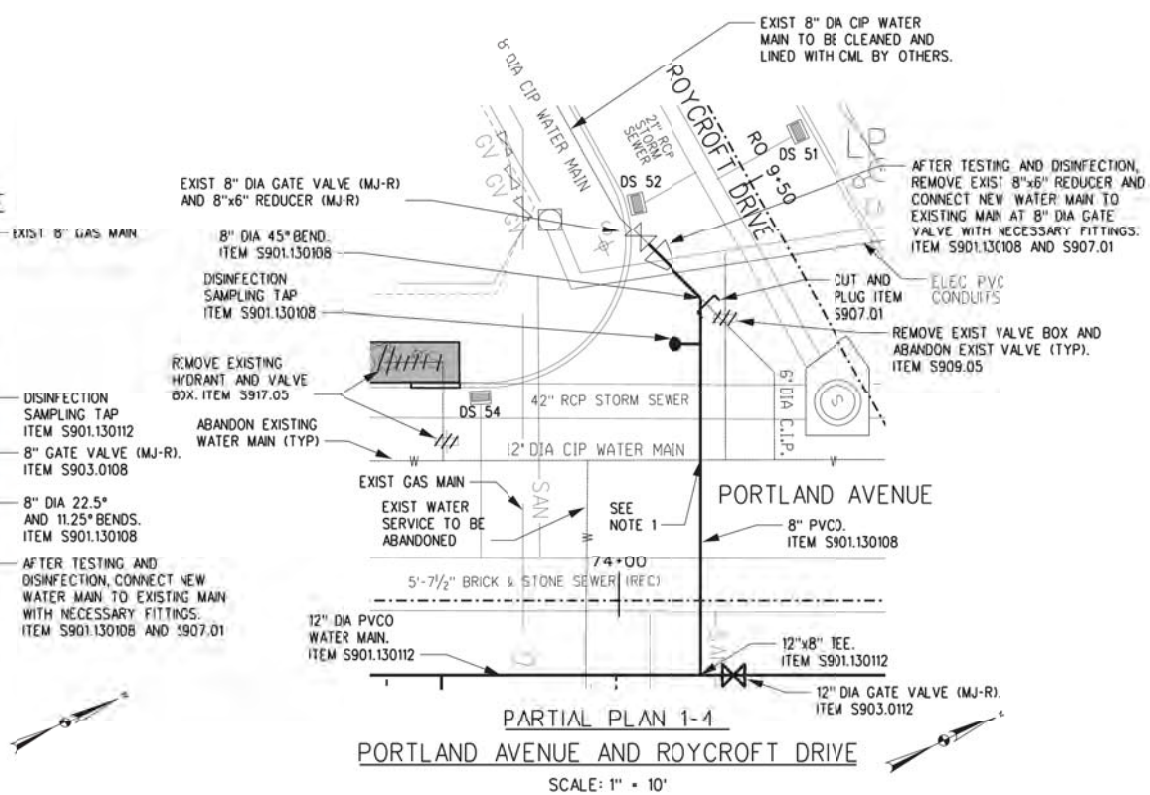
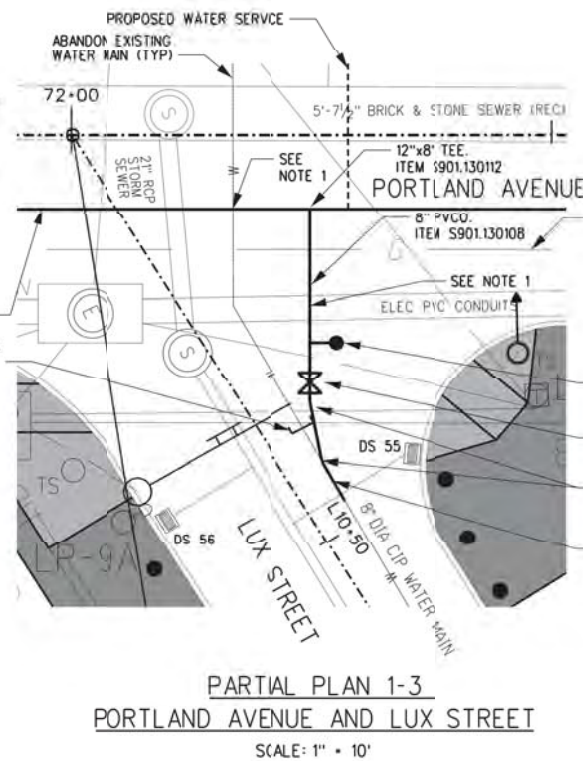
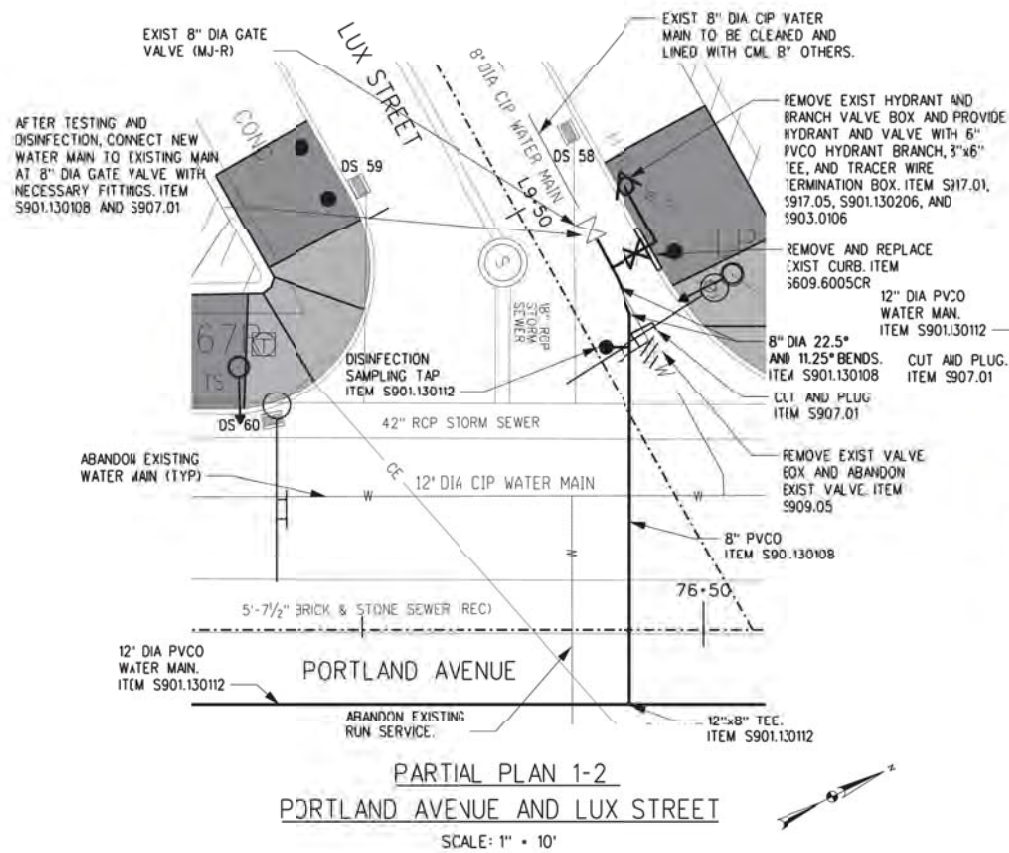
CITY OF ROCHESTER	
ANODE AT NEW COPPER WATER SERVICE ON PLASTIC WATER MAIN	
ISSUED	11-26-08 NON-STANDARD
REVISED	12-28-10 DWG NO S966-3



CITY OF ROCHESTER	
ANODES AT INSERTION SLEEVE AND CUT-IN TEE ON EXISTING IRON PIPE	
ISSUED	1-05-12 NON-STANDARD
REVISED	DWG. NO. S966-7

DRAWING NO.	CD-3
SHEET 12 OF 51	
WENDEL JOB NUMBER	221340x2

DRAWING NO.:
CD-4
SHEET 13 OF 51
WENDEL JOB NUMBER
221340x2



- NOTES:
1. PROVIDE VERTICAL BENDS OR DEFLECT JOINTS TO CROSS UNDER EXISTING UTILITY, AS REQUIRED. REFER TO DETAIL 1 ON DWG CD-4.
 2. PROVIDE 1.32 LB MAGNESIUM ANODE ON EXIST CIP OR DIP WATER MAIN AT CONNECTION TO NEW PVC OR DIP WATER MAIN. ITEM S966.0332

DATE	BY	DESCRIPTION
JULY 2015		
SCALE	1" = 10'	
DESIGNED BY	CL	
DRAWN BY	MD2	

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
CONSTRUCTION DETAILS

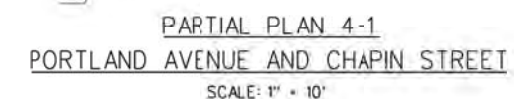
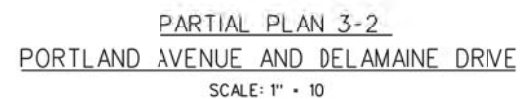
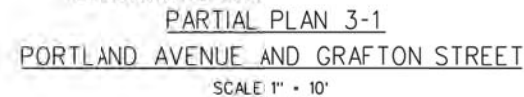
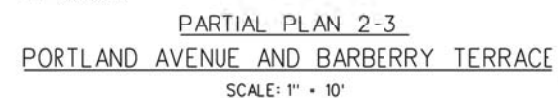
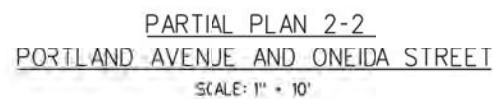


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Wendel Engineering, P.C.
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and Landscape Architecture P.C.

DRAWING NO.:
CD-6
SHEET 15 OF 51
WENDEL JOB NUMBER
2213402



- NOTES:
1. PROVIDE VERTICAL BENDS OR DEFLECT JOINTS TO CROSS UNDER EXISTING UTILITY AS REQUIRED. REFER TO DETAIL 1 ON DWG CD-4.
 2. PROVIDE A 32 LB MAGNESIUM ANODE ON EXIST CIP OR DIP WATER MAIN AT CONNECTION TO NEW PVC OR DIP WATER MAIN. ITEM S966.0332

DATE:		JULY 2015	
SCALE:		1" = 10'	
DESIGNED BY:		C.A.L.	
DRAWN BY:		MD2	

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
CONSTRUCTION DETAILS



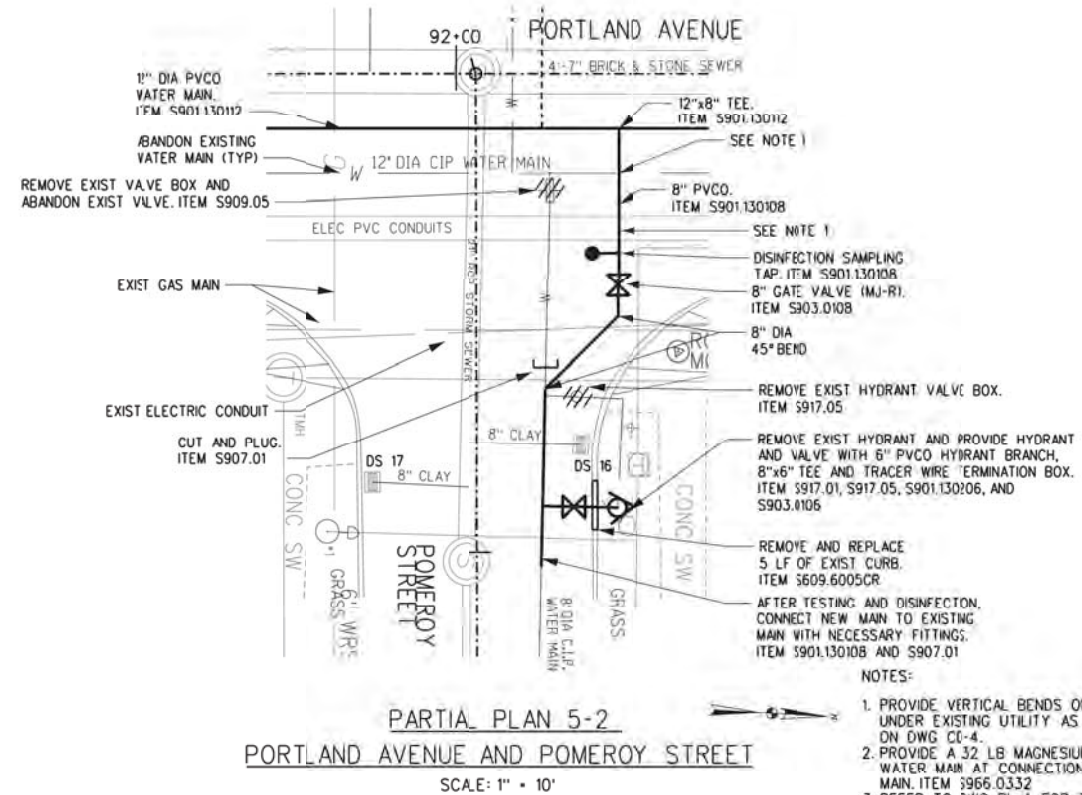
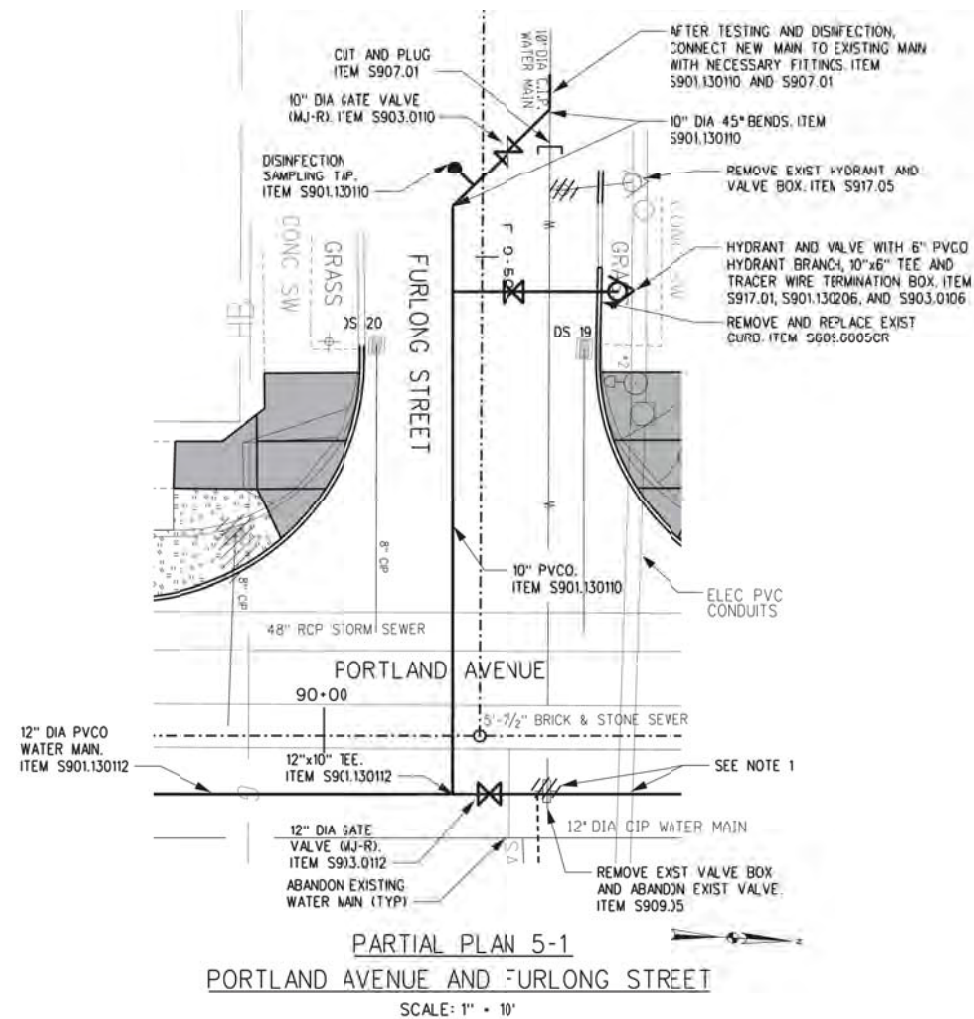
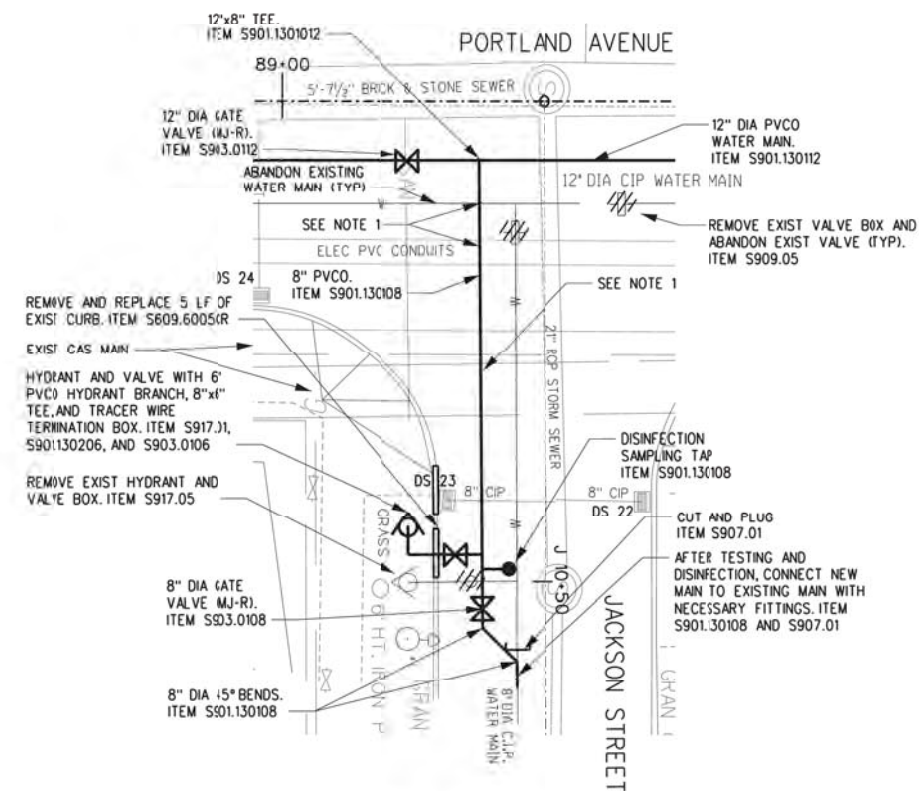
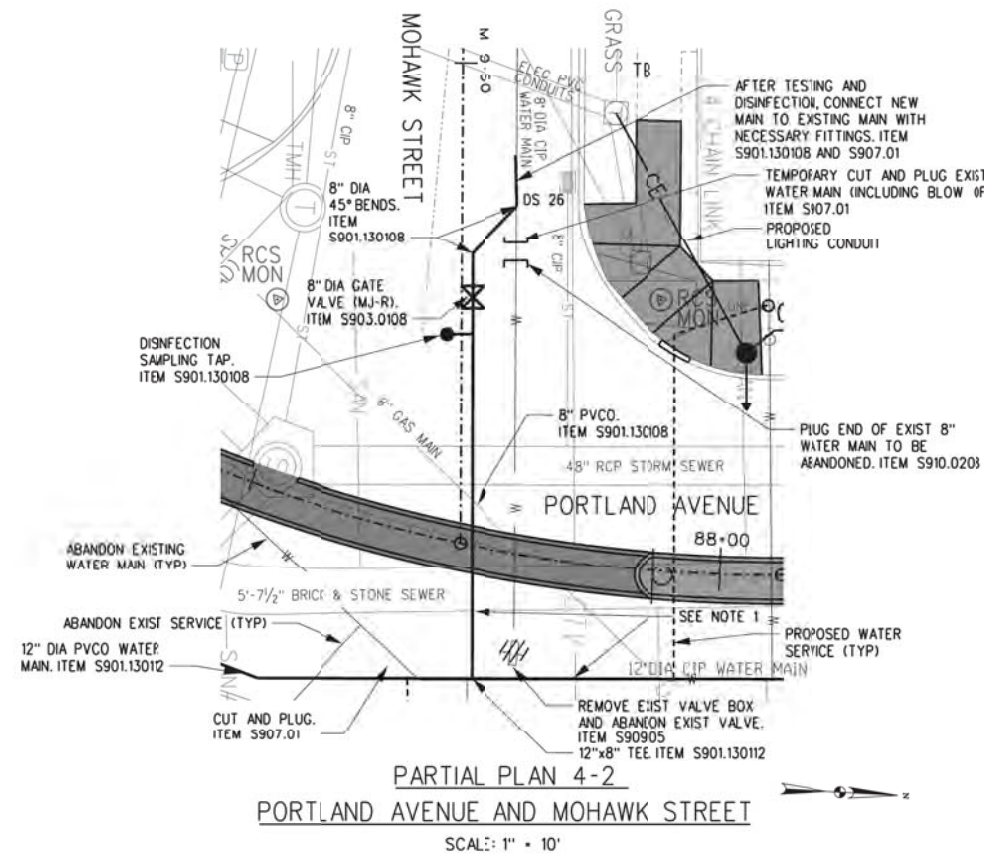
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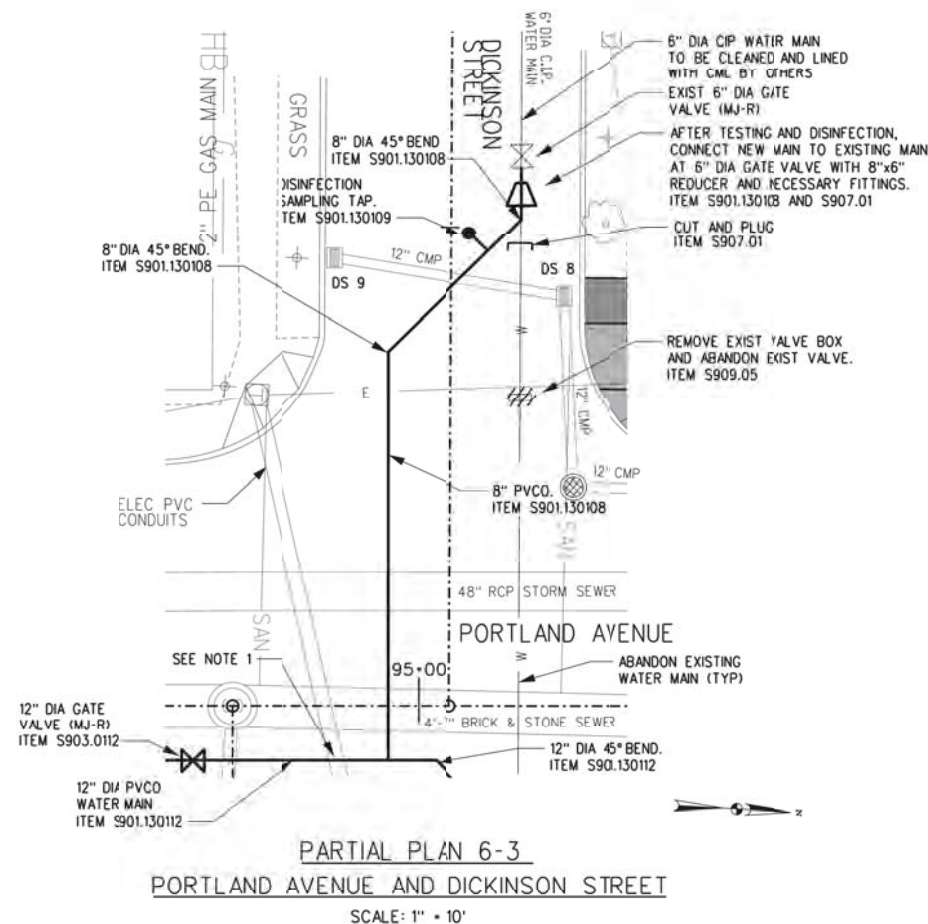
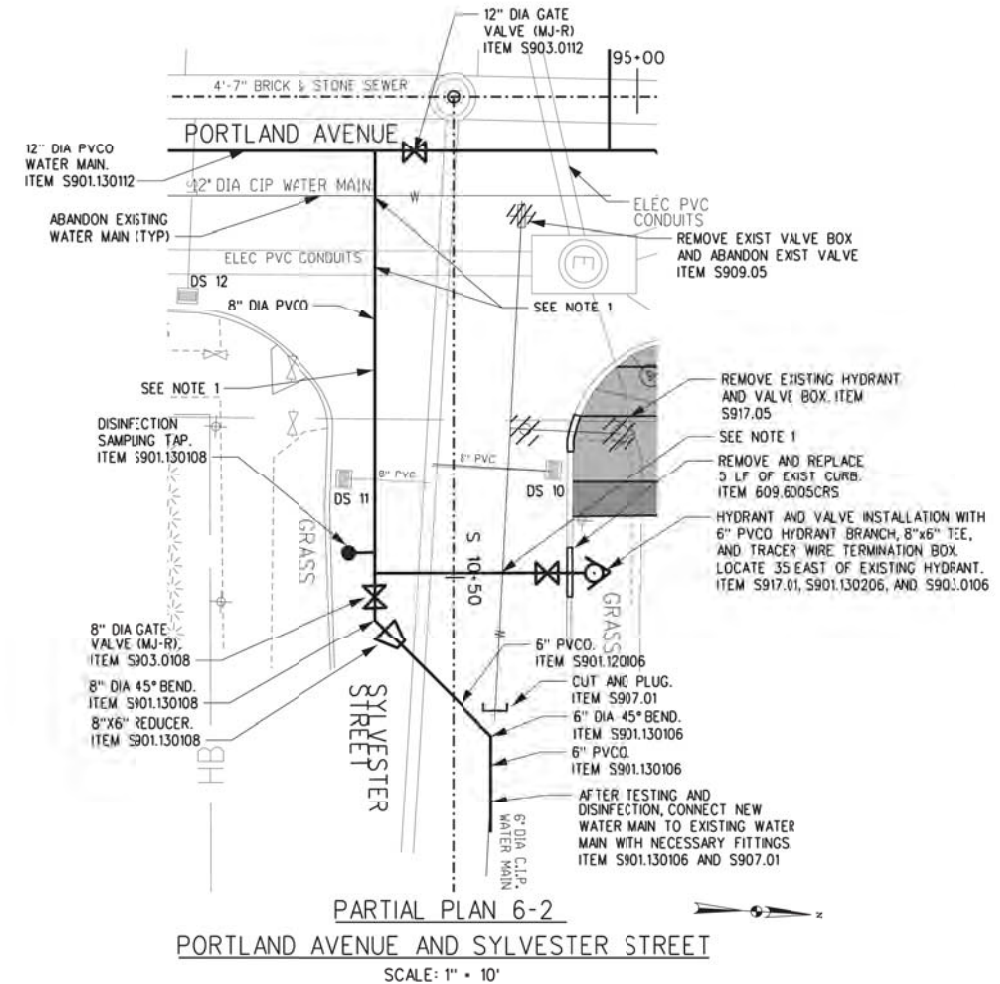
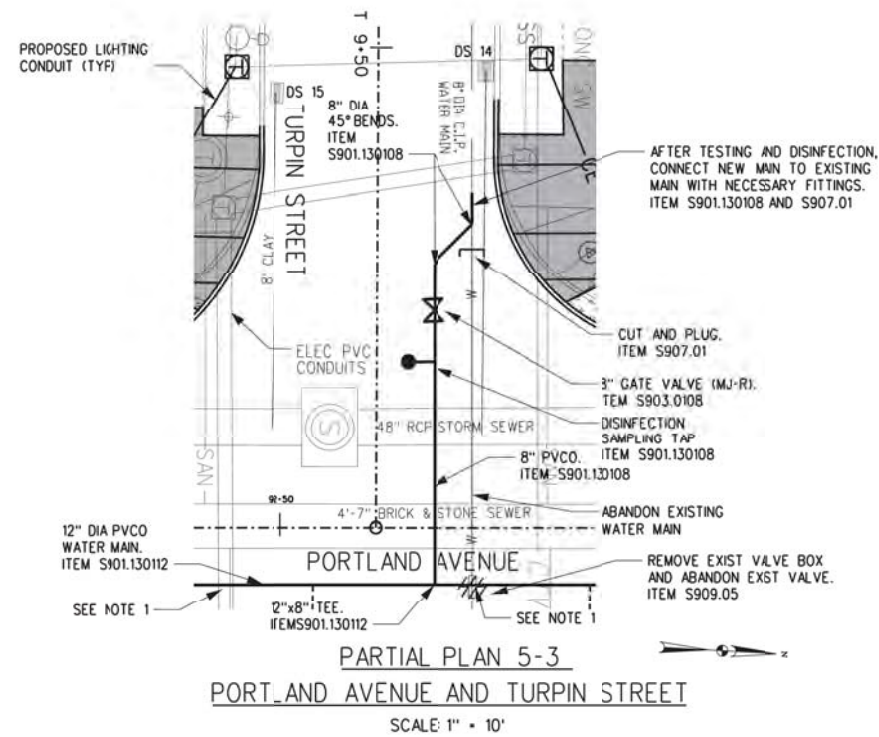
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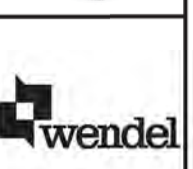
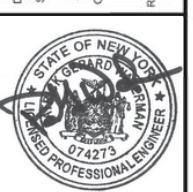
NOTES:

1. PROVIDE VERTICAL BENDS OR DEFLECT JOINTS TO CROSS UNDER EXISTING UTILITY, AS REQUIRED. REFER TO DETAIL 1 ON DWG CD-4.
2. PROVIDE A 32 LB MAGNESIUM ANODE ON EXIST CIP OR DIP WATER MAIN AT CONNECTION TO NEW PVC OR DIP WATER MAIN. ITEM S966.0332.

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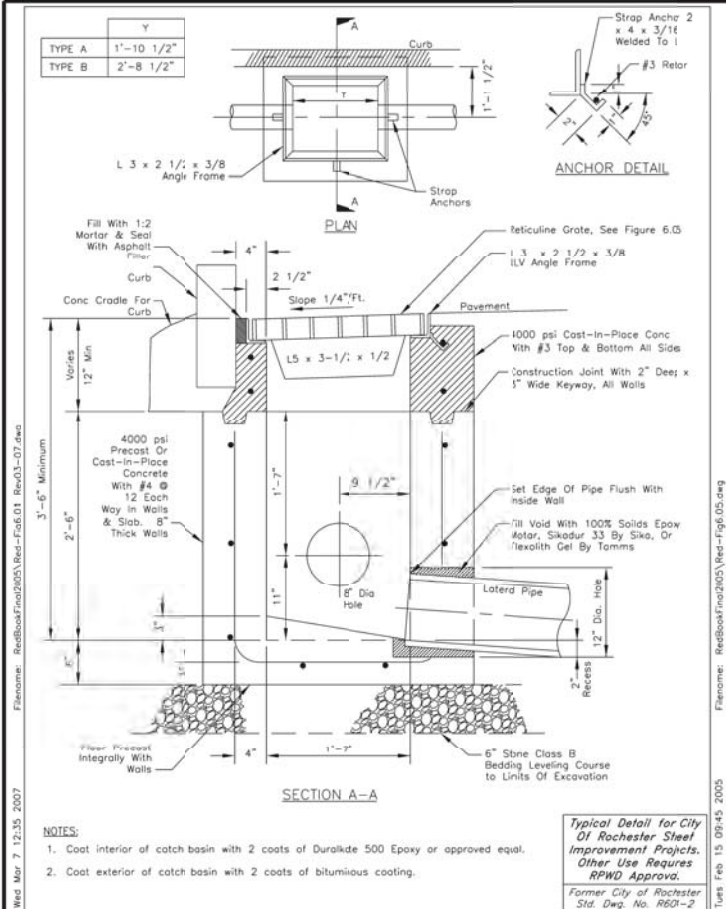
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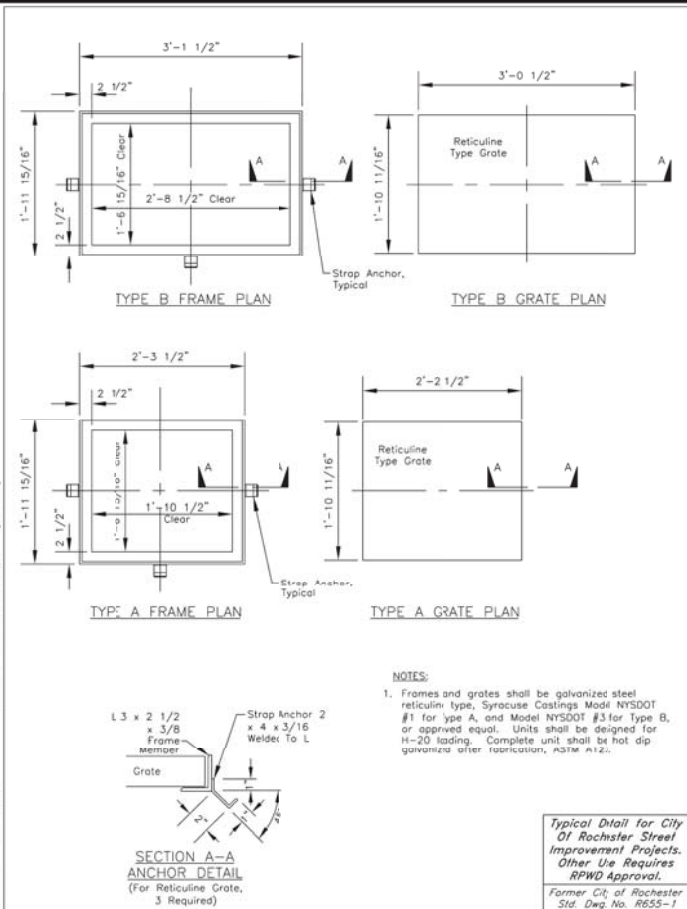
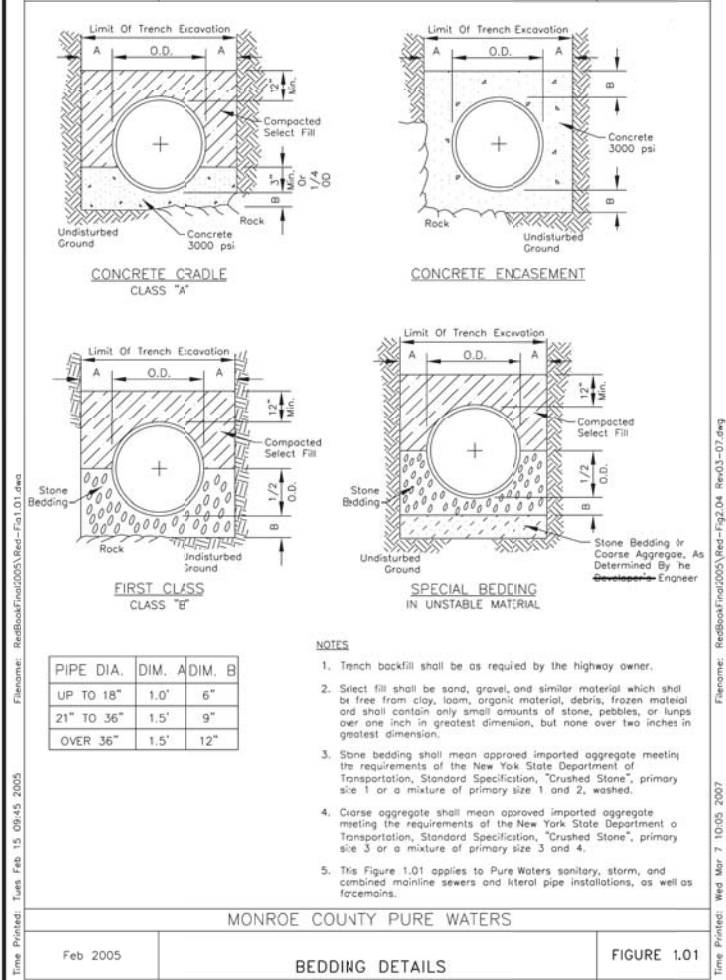
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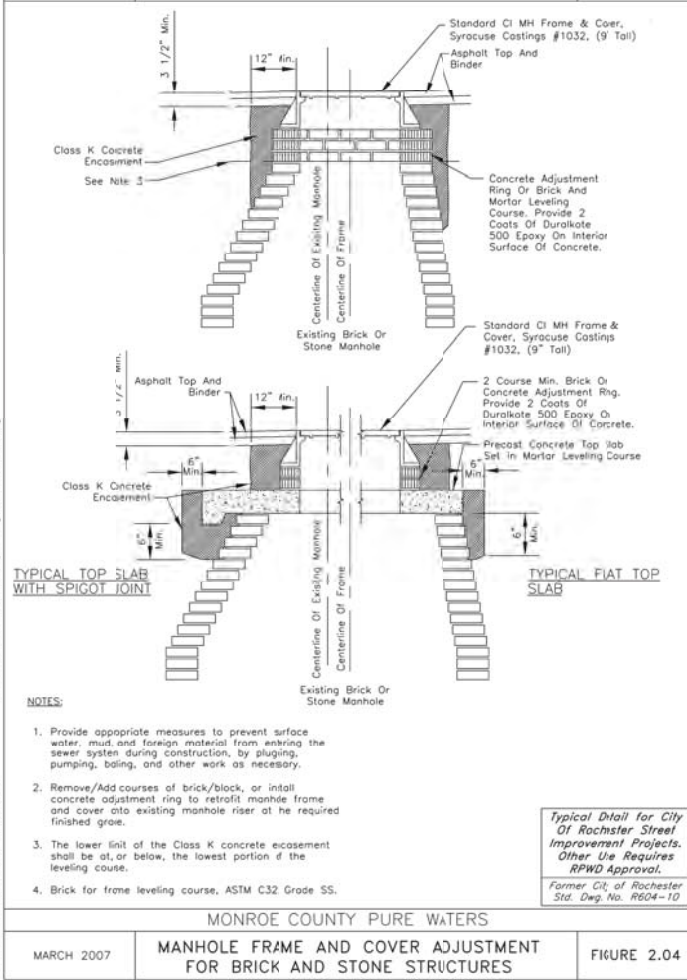
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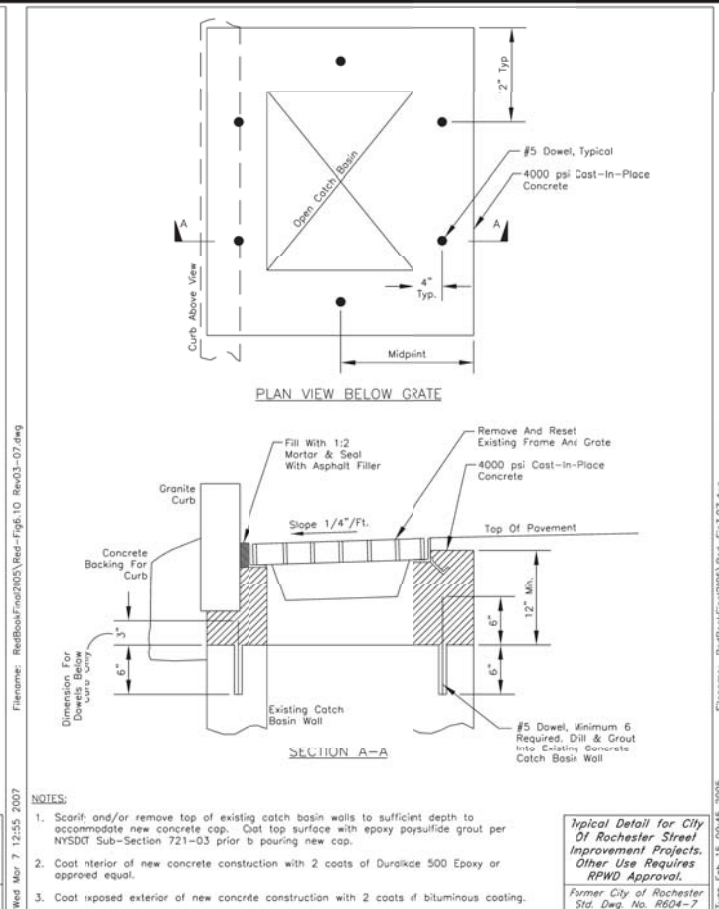
MONROE COUNTY PURE WATERS
MARCH 2007
TYPE A & B CATCH BASIN
FIGURE 6.01



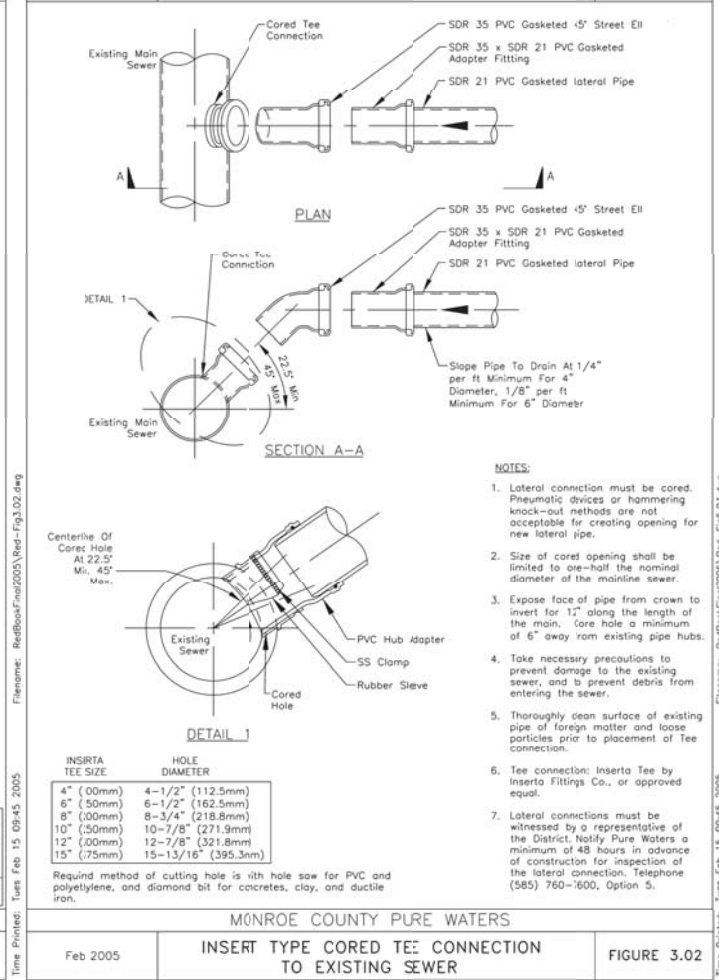
MONROE COUNTY PURE WATERS
Feb 2005
TYPE A & B CATCH BASIN FRAME AND GRATE
FIGURE 6.05



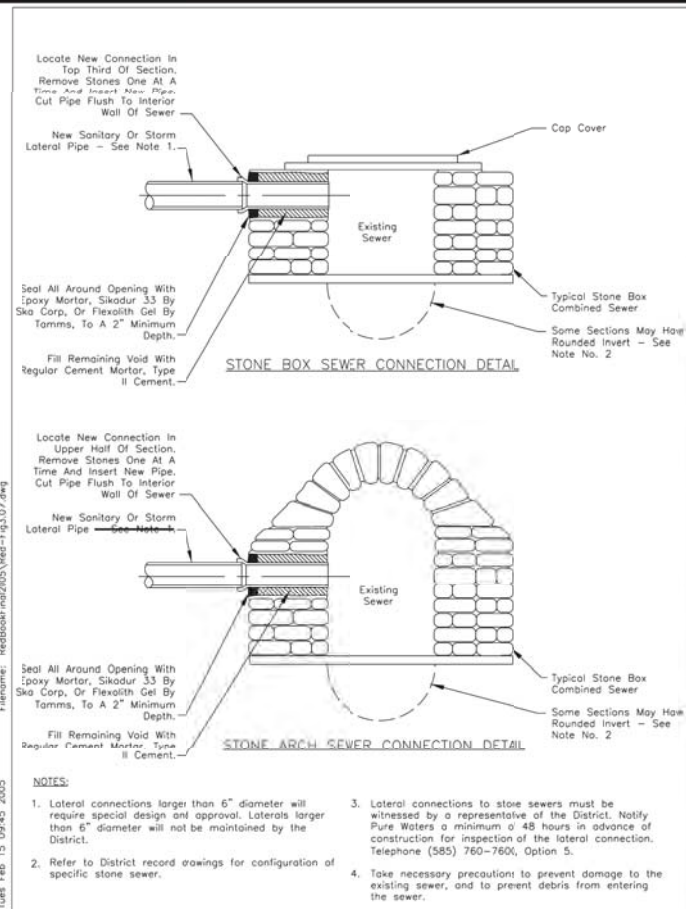
MONROE COUNTY PURE WATERS
MARCH 2007
MANHOLE FRAME AND COVER ADJUSTMENT FOR BRICK AND STONE STRUCTURES
FIGURE 2.04



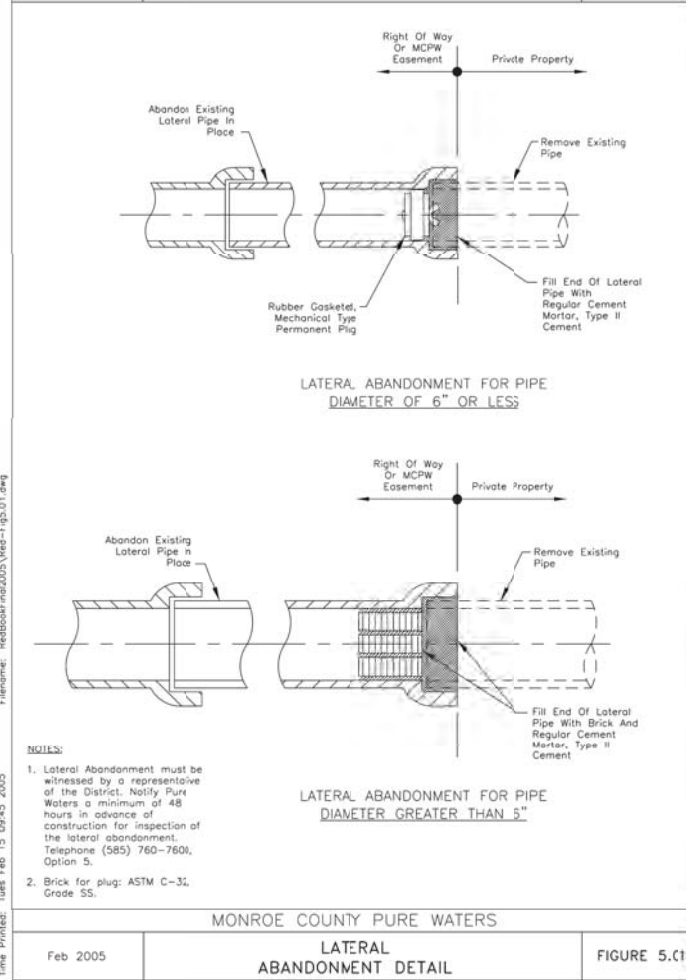
MONROE COUNTY PURE WATERS
MARCH 2007
CATCH BASIN FRAME AND COVER ADJUSTMENT
FIGURE 6.10



MONROE COUNTY PURE WATERS
Feb 2005
INSERT TYPE CORED TEE CONNECTION TO EXISTING SEWER
FIGURE 3.02

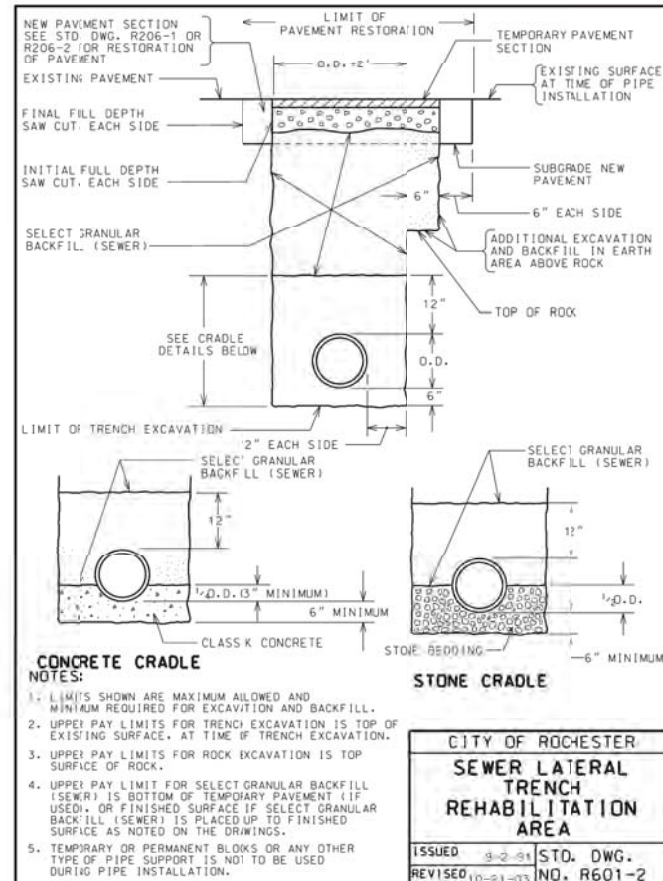
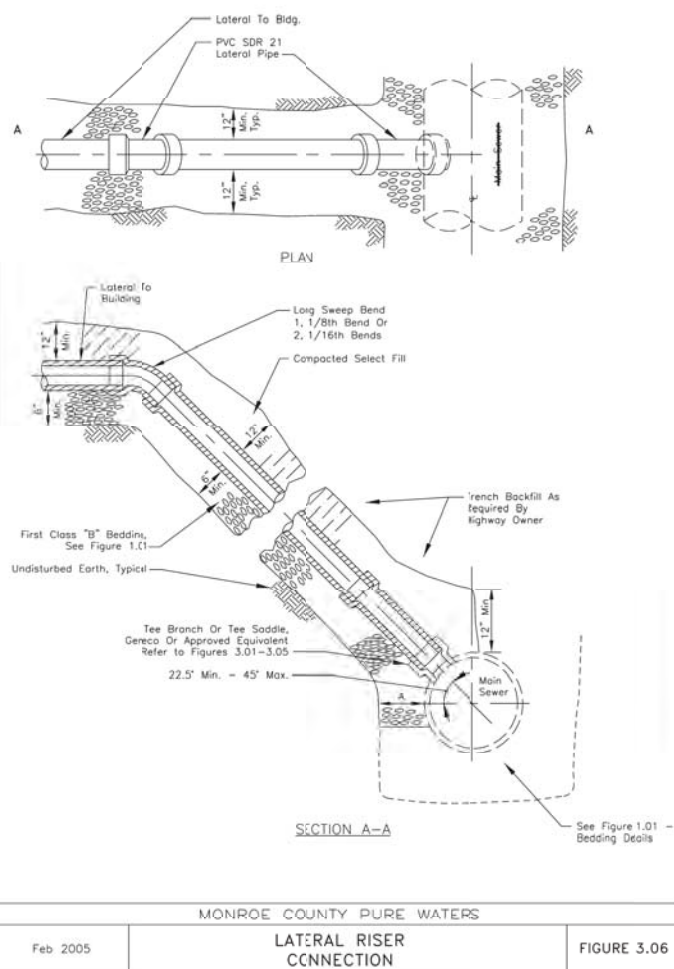


MONROE COUNTY PURE WATERS
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TYPICAL CONNECTIONS TO STONE SEWERS
FIGURE 3.07



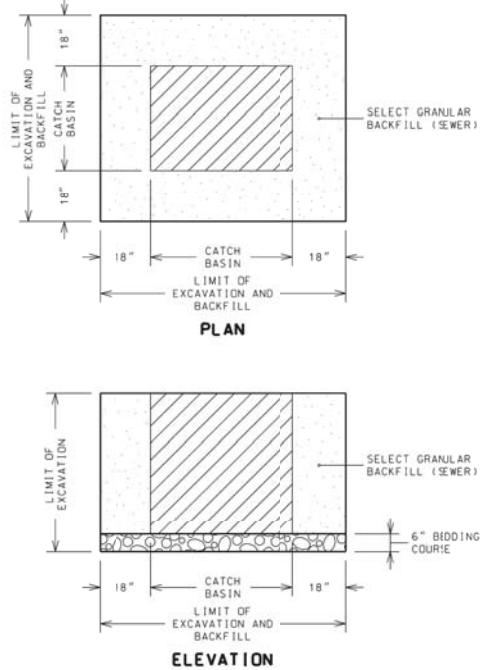
MONROE COUNTY PURE WATERS
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LATERAL ABANDONMENT DETAIL
FIGURE 5.1

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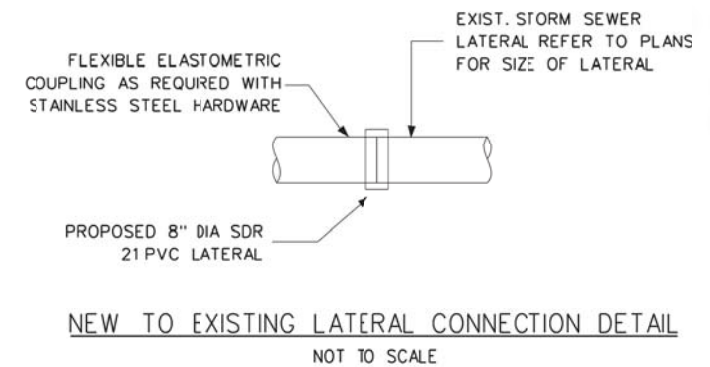


NOTES:

1. LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
2. UPPER PAY LIMITS FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE, AT TIME OF TRENCH EXCAVATION.
3. UPPER PAY LIMITS FOR ROCK EXCAVATION IS TOP SURFACE OF ROCK.
4. UPPER PAY LIMIT FOR SELECT GRANULAR BACKFILL (SEWER) IS BOTTOM OF TEMPORARY PAVEMENT (IF USED), OR FINISHED SURFACE IF SELECT GRANULAR BACKFILL (SEWER) IS PLACED UP TO FINISHED SURFACE AS NOTED ON THE DRAWINGS.
5. TEMPORARY OR PERMANENT BLOCKS OR ANY OTHER TYPE OF PIPE SUPPORT IS NOT TO BE USED DURING PIPE INSTALLATION.



1. LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
2. UPPER PAY LIMIT FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE AT TIME OF EXCAVATION.
3. UPPER PAY LIMIT FOR SELECT GRANULAR BACKFILL (SEWER) IS BOTTOM OF TEMPORARY PAVEMENT (IF USED) OR TOP OF SURFACE - AS REQUIRED IN CONTRACT DOCUMENTS.



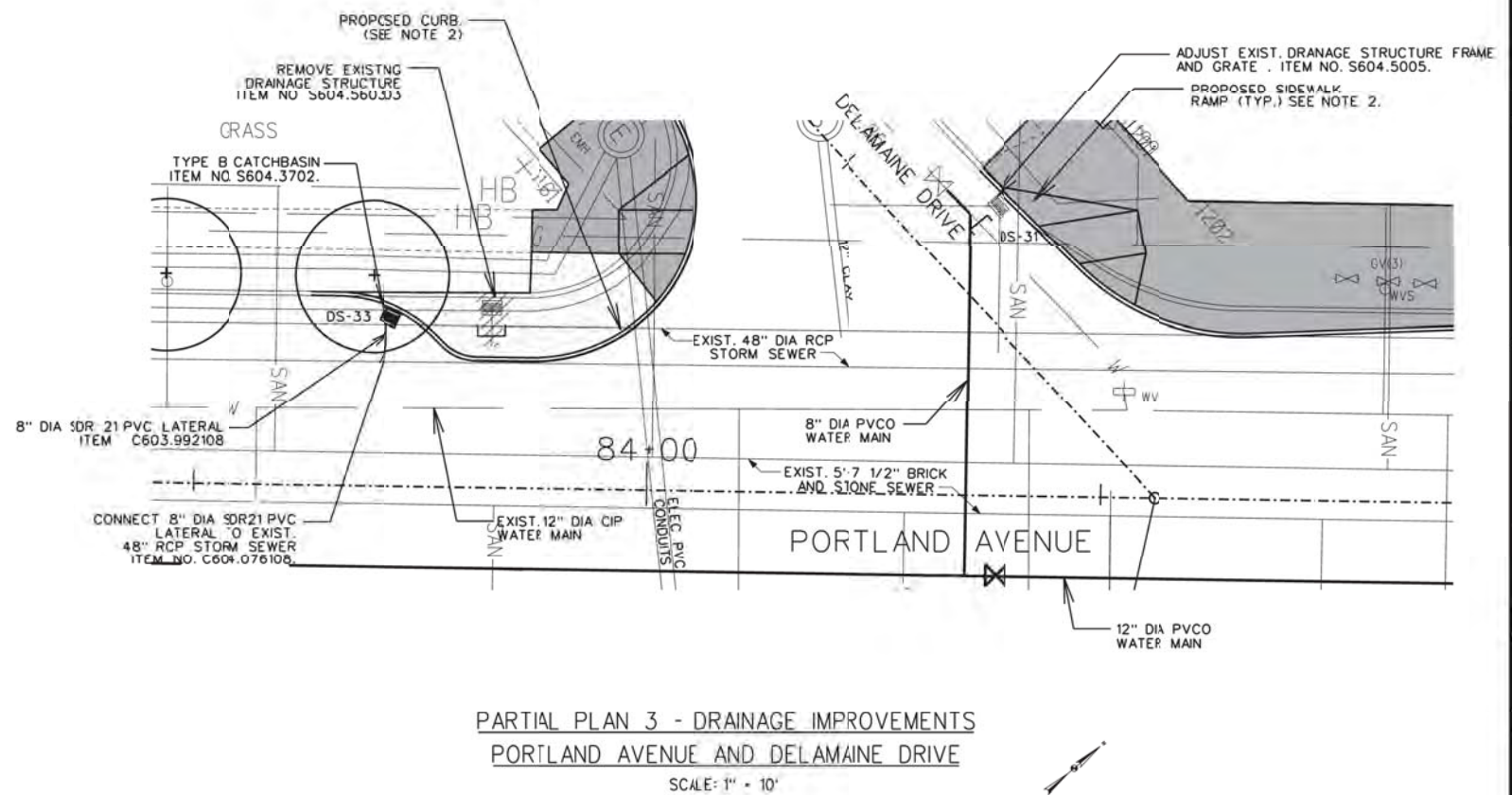
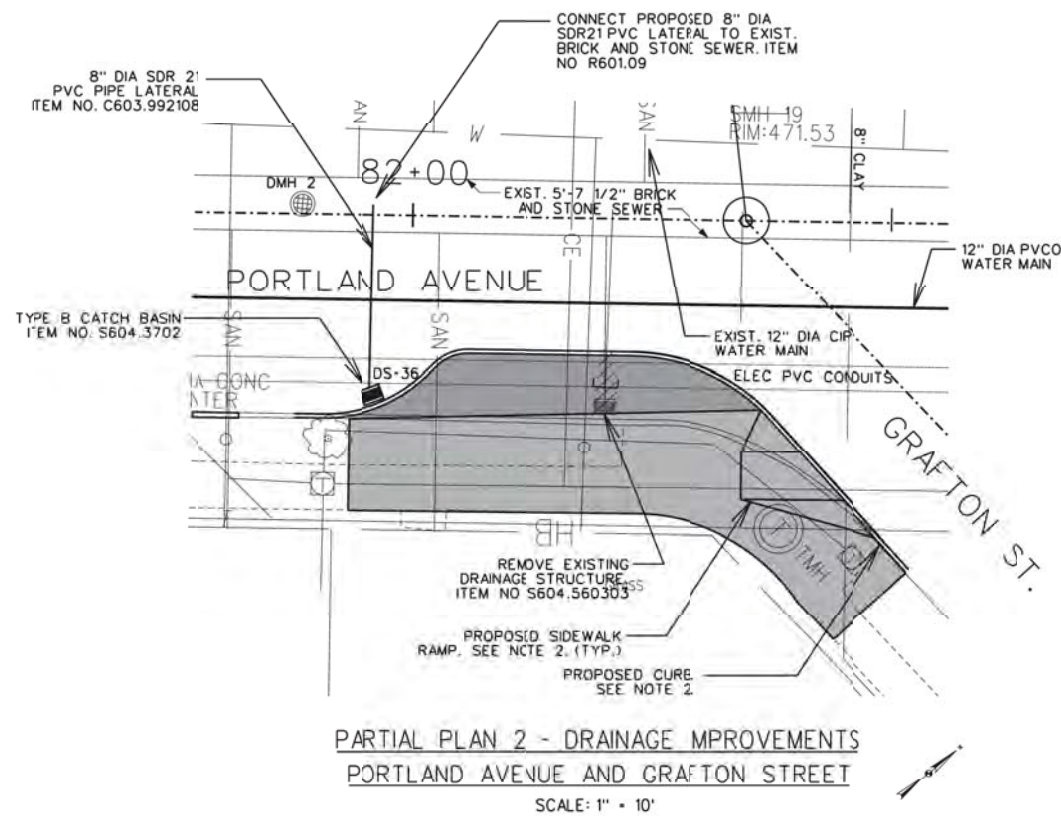
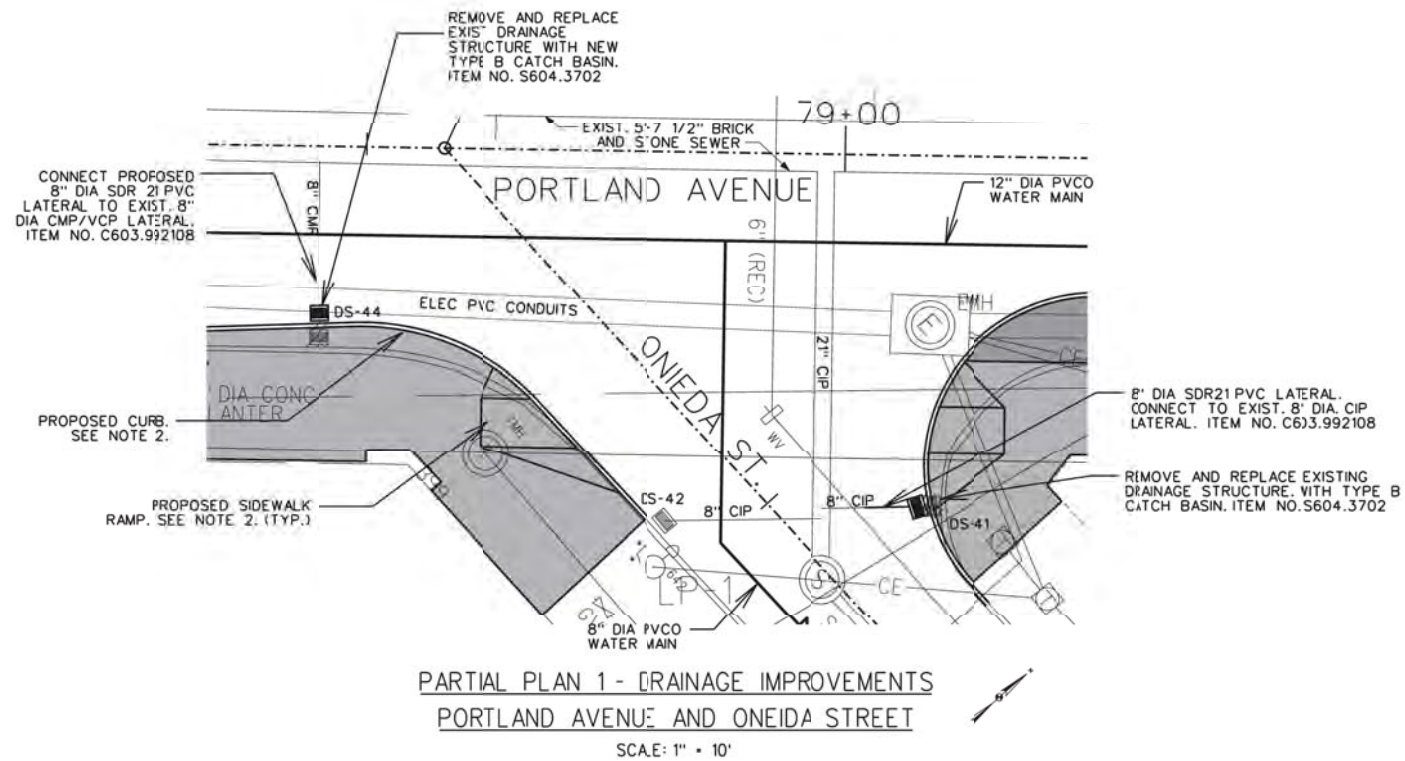
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 2. REFER TO DWGS. CD-14 TO CD-18 FOR STREET IMPROVEMENT DETAILS.

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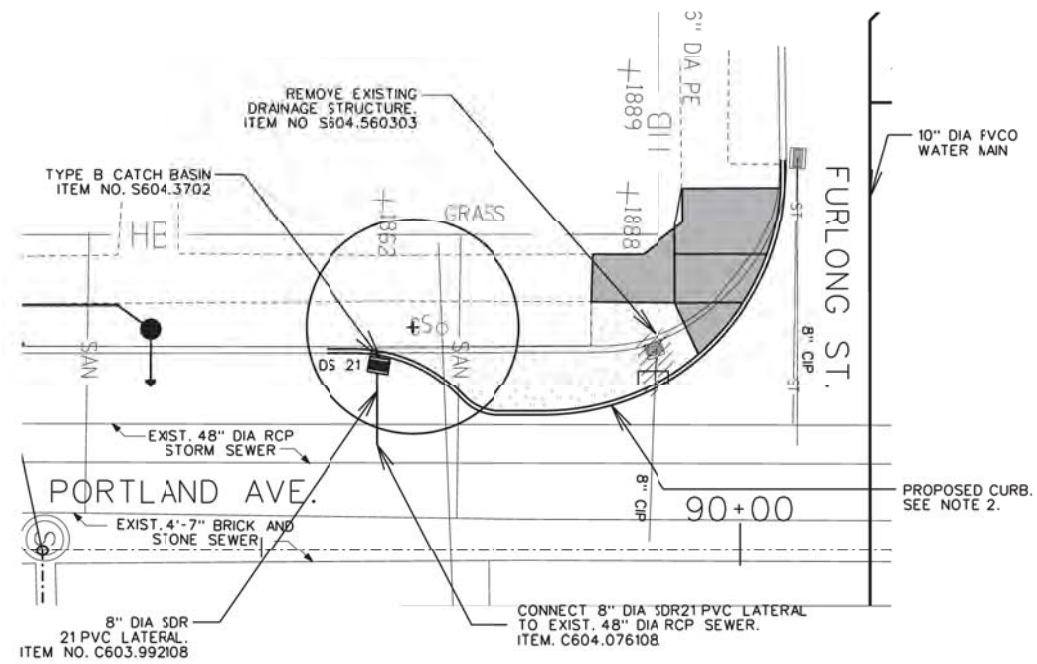
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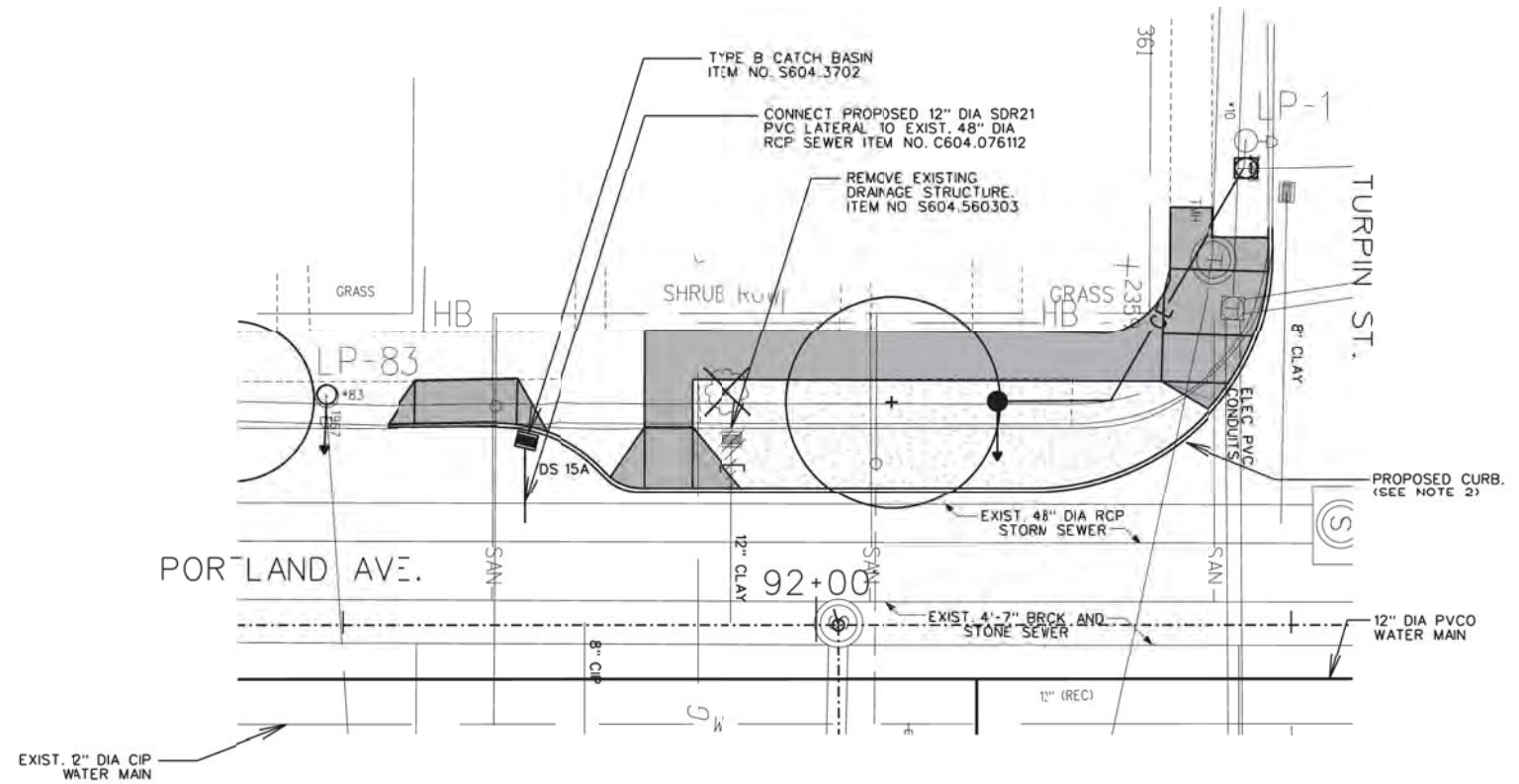
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PARTIAL PLAN 4 - DRAINAGE IMPROVEMENTS
PORTLAND AVENUE AND FURLONG STREET
SCALE: 1" = 10'



PARTIAL PLAN 5 - DRAINAGE IMPROVEMENTS
PORTLAND AVENUE AND TURPIN STREET
SCALE: 1" = 10'

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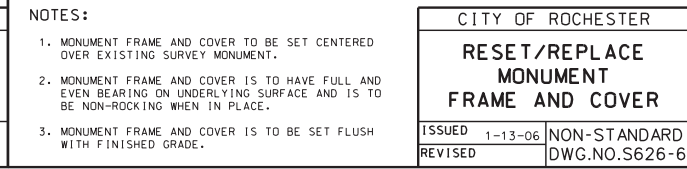
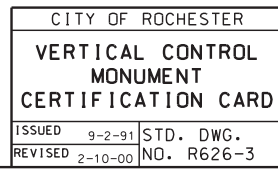
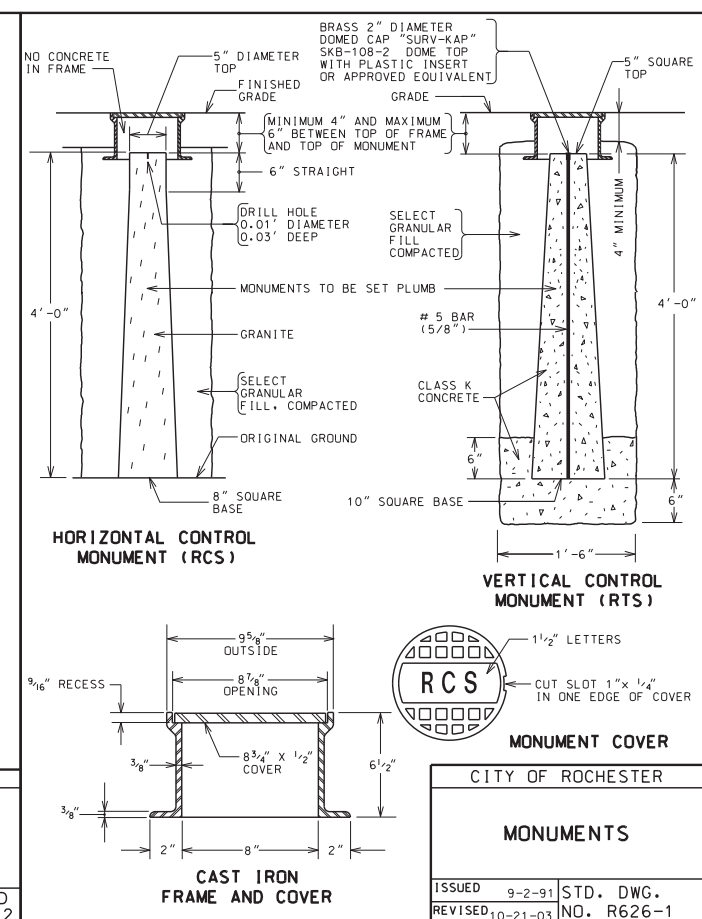
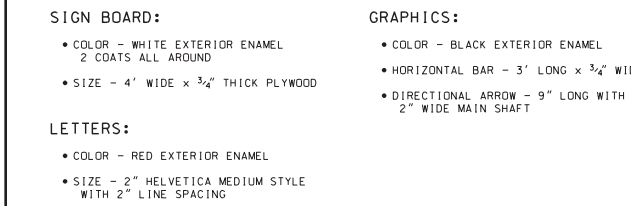
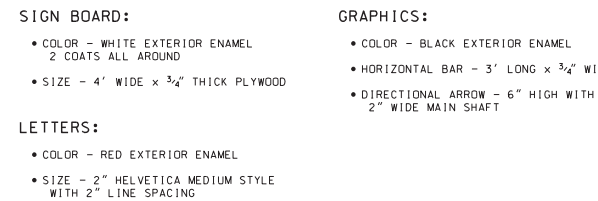
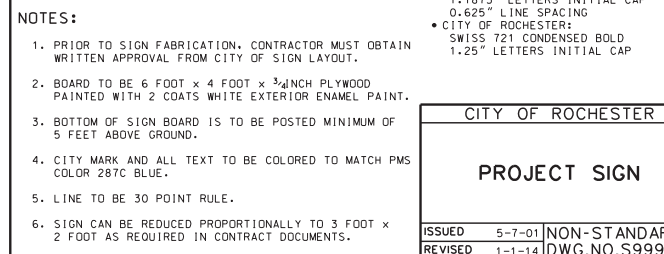


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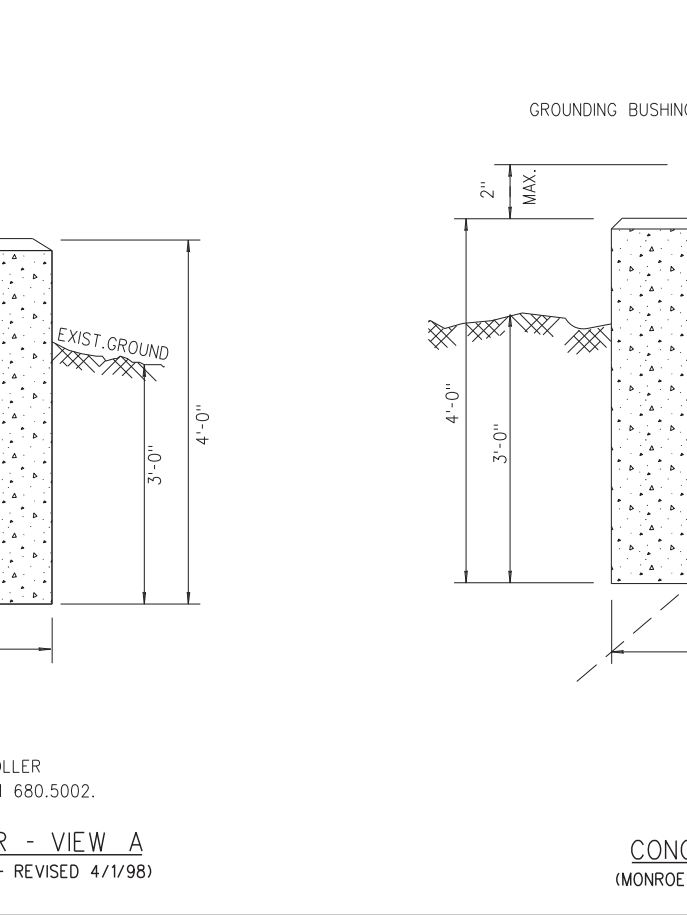
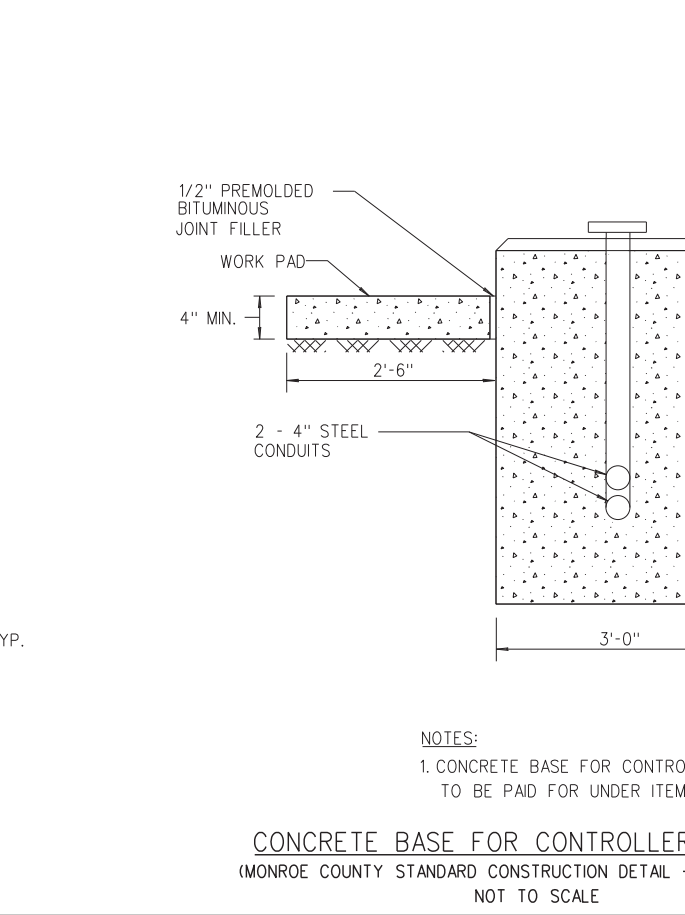
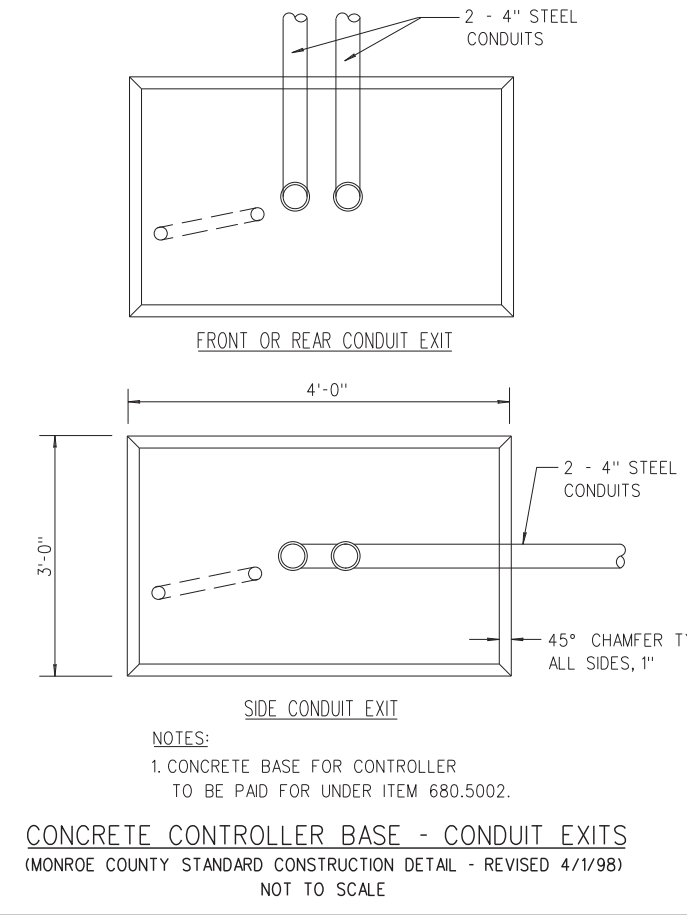
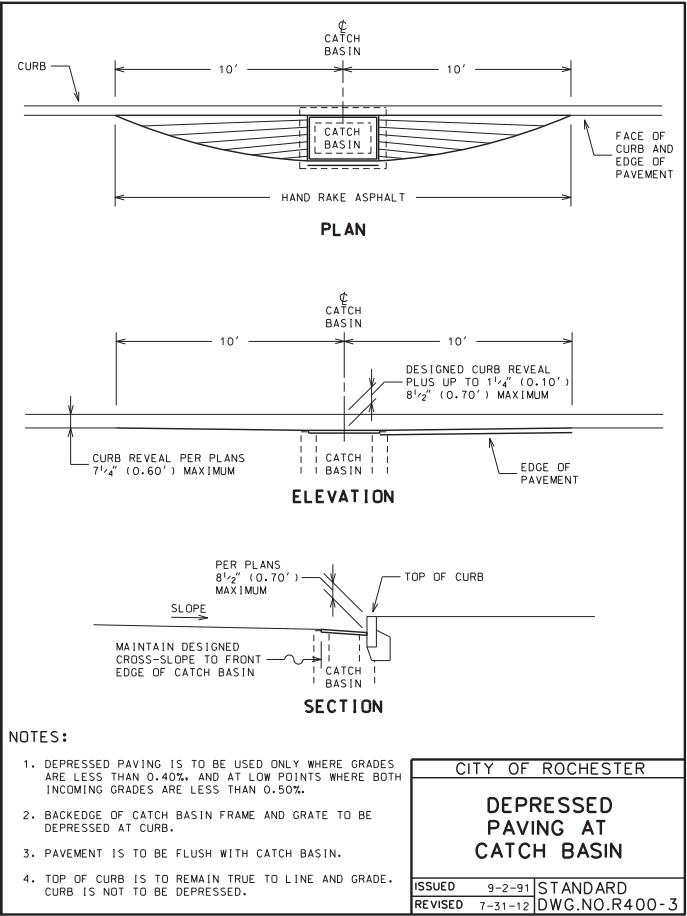
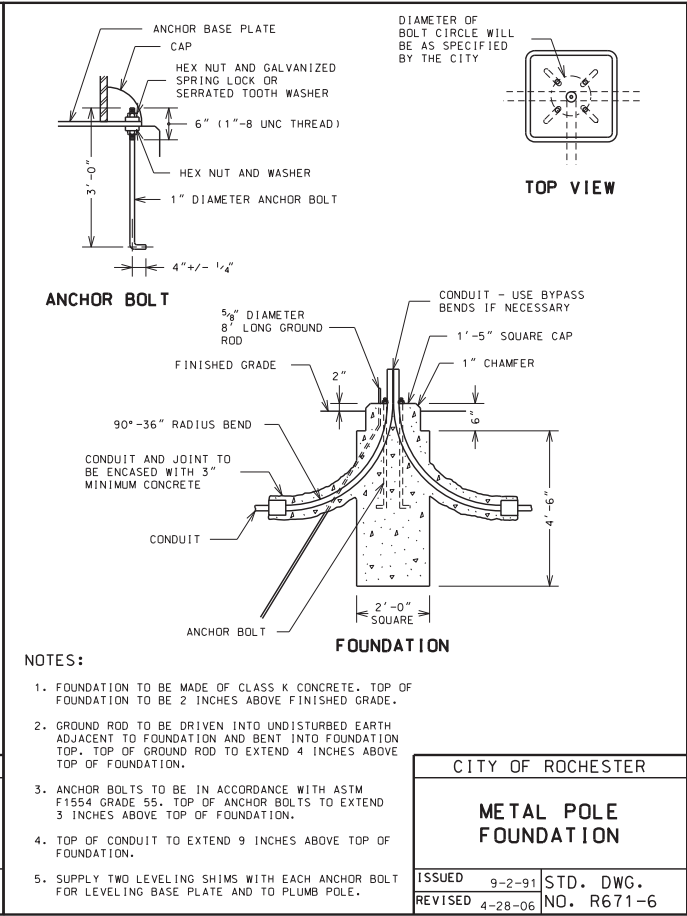
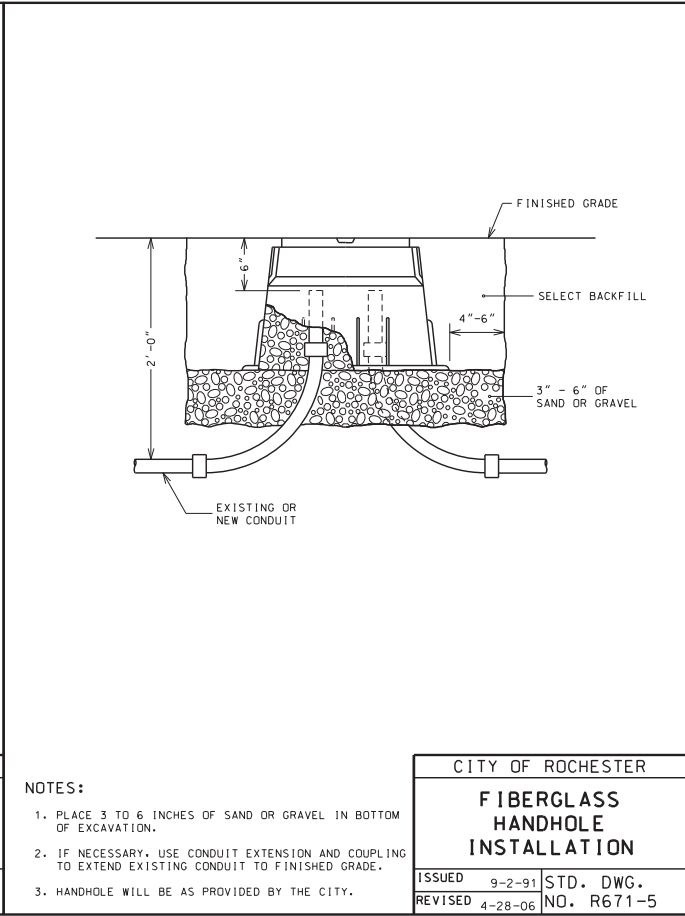
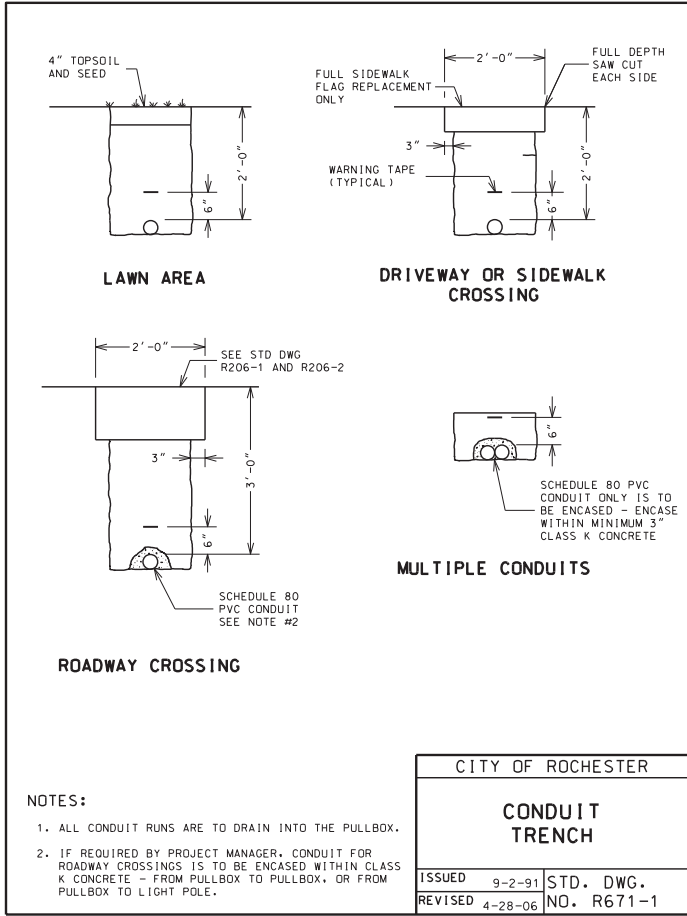
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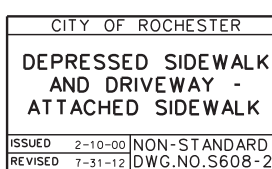
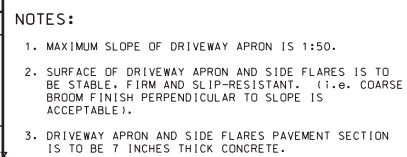
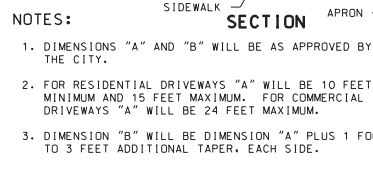
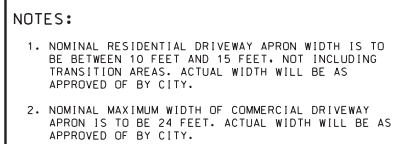
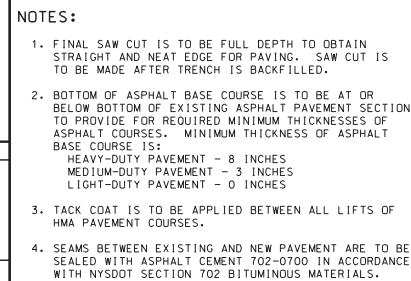
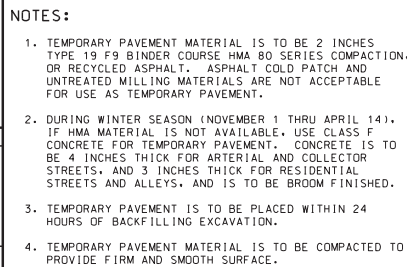
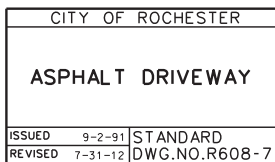
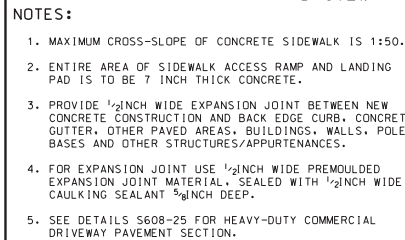
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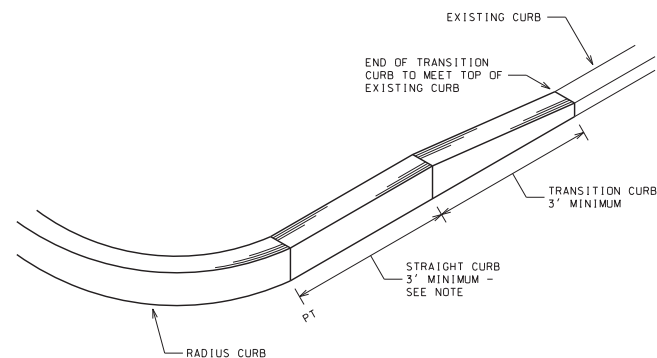
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LENGTH OF STRAIGHT CURB WILL BE AS REQUIRED IN CONTRACT DOCUMENTS, WITH 3 FEET MINIMUM.

PAVEMENT SECTION	X" BASE COURSE	A (PIPE)	B (BOTTOM TRENCH)
LIGHT-DUTY	0"	2' - 6"	3' - 2"
MEDIUM-DUTY	3"	2' - 9"	3' - 5"
MODIFIED	6"	2' - 11"	3' - 7"
HEAVY-DUTY	8"	3' - 1"	3' - 9"

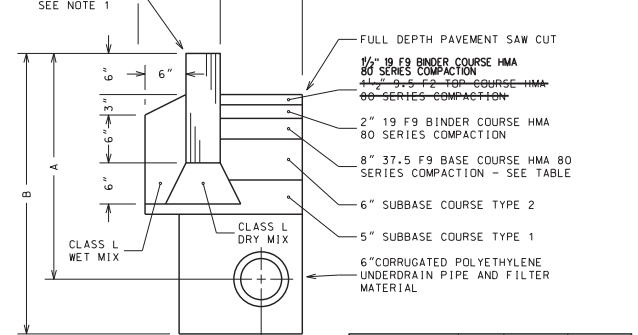
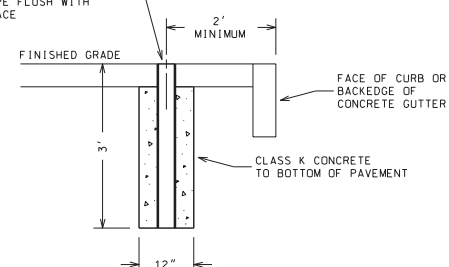
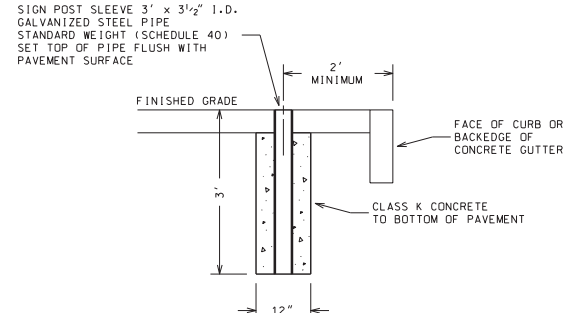


Diagram illustrating the proposed curb profile and dimensions:

- ROADWAY CENTERLINE**: Indicated at the top of the diagram.
- 21'-0"**: Vertical dimension from the roadway centerline to the top of the proposed curb.
- 14'-0" MINIMUM**: Vertical dimension from the roadway centerline to the top of the existing curb.
- MINIMUM 3' STRAIGHT CURB BETWEEN PC AND PT (SEE PLAN)**: Horizontal dimension for the straight section of the curb.
- R=5'**: Radius dimension for the first curve of the proposed curb.
- 45°**: Angle dimension for the first curve of the proposed curb.
- R=15'**: Radius dimension for the second curve of the proposed curb.
- PROPOSED CURB**: Label for the new curb profile.
- R-VARIES (SEE PLAN)**: Label for the radius of the final curve of the proposed curb.
- MATCH EXISTING CURB ELEVATION**: Label for the transition point between the proposed and existing curb.
- EXISTING CURB**: Label for the current curb profile.
- 3'-0" MINIMUM CURB TRANSITION**: Horizontal dimension for the transition between the proposed and existing curb.
- (3) DELINEATORS**: Label for the three delineators placed along the proposed curb profile.

NOT TO SCALE



REVISIONS			DATE:
NO.	DATE	DESCRIPTION	JULY 2015
			SCALE:
			NTS
			DESIGNED
			BY: PGW / C/L
			DRAWN BY:
			KLO / MD2

CONSTRUCTION DETAILS



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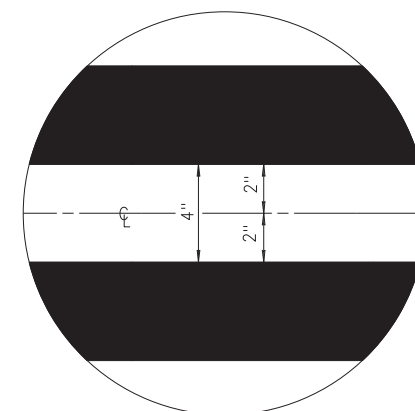


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CD-18

SHEET 27 OF 50
WENDEL JOB NUMBER
22134062



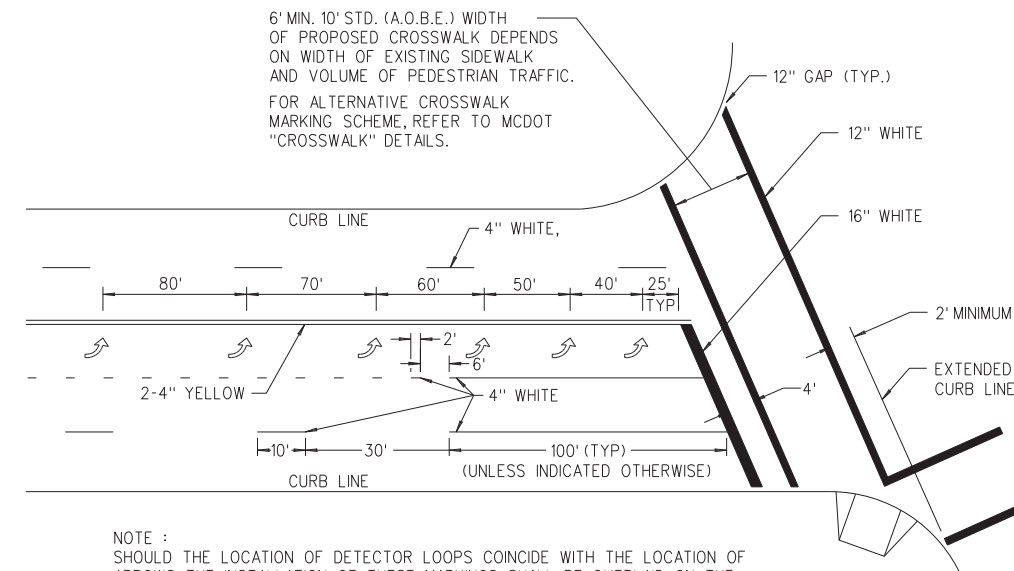
DOUBLE YELLOW CENTERLINE
NOT TO SCALE

BEGINNING OF MEDIANS-STRIPING TREATMENT



BANNER DETAIL
ITEM 690.01000205
NOT TO SCALE

PROPOSED BANNER
ITEM 690.01000205
NOT TO SCALE



NOTE :
SHOULD THE LOCATION OF DETECTOR LOOPS COINCIDE WITH THE LOCATION OF
ARROWS, THE INSTALLATION OF THESE MARKINGS SHALL BE OVERLAID ON THE
NEW PAVEMENT AFTER THE DETECTOR LOOPS HAVE BEEN INSTALLED.

PAVEMENT MARKINGS AT INTERSECTION
NOT TO SCALE

NOTE:

1. PERMANENT PAVEMENT MARKINGS, AS SHOWN ON THESE DETAILS, ARE TO BE INSTALLED BY OTHERS IN CONJUNCTION WITH THE FUTURE PAVEMENT MAINTENANCE, MILLING AND RESURFACING PROJECT ON PORTLAND AVENUE. ONLY PAY ITEMS FOR TEMPORARY STRIPING, AS NEEDED, ARE INCLUDED IN THIS PROJECT.

REVISIONS			DATE:
NO.	DATE	DESCRIPTION	JULY 2015
		BY:	SCALE:
			AS NOTED
			DESIGNED
			BY: PGW / C/L
			DRAWN BY:
			KLO / MD2

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION

CONSTRUCTION DETAILS



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DRAWING NO.
CD-20
SHEET 29 OF 50
WENDEL JOB NUMBER
22134062

WATER SERVICES TABLE										
CENTER LINE STATION AND OFFSET	ADDRESS	EXISTING SERVICE			DISPOSITION	PROPOSED SERVICE			DEPTH OF EXIST. WATER MAIN AT EXIST. TAP LOCATION (APPROXIMATE)	ITEM NO.
		SIZE	MATERIAL	STATUS		SIZE	MATERIAL	LENGTH (LF)		
71 + 7.5 RT	826 PORTLAND AVE	UNKNOWN	UNKNOWN	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A				S914.20
72 + 2.5 LT	833-835 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	37	4 - 5 FT	S912.020100, S913.120100, S914.020100
72 + 6.5 LT	845 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	33	4 - 5 FT	S912.020100, S913.120100, S914.020100
72 + 7.5 RT	852-854 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4 - 5 FT	S912.020100, S913.120100, S914.020100
73 + 1.5 RT	856 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	14	4 - 5 FT	S912.020100, S913.120100, S914.020100
73 + 4.5 LT	857 PORTLAND AVE	1/2"	UNKNOWN	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	36	4 - 5 FT	S912.020100, S913.120100, S914.020100
73 + 7.5 RT	858 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	17	4 - 5 FT	S912.020100, S913.120100, S914.020100
73 + 9.5 RT ★	860 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	18	4 - 5 FT	S912.020100, S913.120100, S914.020100
74 + 5.5 RT	870 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	15	3.5 - 4.5 FT	S912.020100, S913.120100, S914.020100
75 + 0.5 RT	870-A PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			3.5 - 4.5 FT	S914.20
75 + 1.5 LT	873-877 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	34	3.5 - 4.5 FT	S912.020100, S913.120100, S914.020100
75 + 4.5 LT	883-887 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	34	3.5 - 4.5 FT	S912.020100, S913.120100, S914.020100
75 + 5.5 LT	883-887 PORTLAND AVE	2"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	2"	COPPER	34	3.5 - 4.5 FT	S912.020200, S913.020200, S914.020200, S966.0305
76 + 4.5 RT	892-902 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	17	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
76 + 9.5 RT	898-902 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	18	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
77 + 4.5 RT	906-908 PORTLAND AVE	UNKNOWN	UNKNOWN	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	20	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
77 + 6.5 LT	927 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.5 - 5.0 FT	S914.20
77 + 8.5 RT ★	910-912 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
77 + 9.5 LT	929 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.5 - 5.0 FT	S914.20
78 + 2.5 RT	920 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
78 + 4.5 LT	923 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	32	4.5 - 5.0 FT	S912.020100, S913.120100, S914.020100
78 + 6.5 LT	931 PORTLAND AVE	1/2"	COPPER	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.5 - 5.0 FT	S914.20
79 + 2.5 LT	925 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.2 - 5 FT	S914.20
79 + 5.5 LT	933 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.2 - 5 FT	S914.20
79 + 7.5 RT	924 PORTLAND AVE	5/8"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.2 - 5 FT	S914.20
80 + 2.5 RT	930 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.2 - 5 FT	S914.20
80 + 5.5 RT	936 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4.2 - 5 FT	S912.020100, S913.120100, S914.020100
80 + 9.5 RT	954 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4.2 - 5 FT	S912.020100, S913.120100, S914.020100
81 + 32.5 RT ★	060 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND WATER SERVICE, CURB STOP, AND BOX. PROVIDE NEW SERVICE TAP.	1"	PE	16	4.5 - 5 FT	S912.020100, S913.120100, S914.020100

* CONTRACTOR IS DIRECTED TO INSTALL NEW WATER SERVICE VIA TUNNELING METHOD TO AVOID DAMAGE TO EXISTING TREES.

REVIEWS		DATE:
MO.	DATE	DESCRIPTION
		BY
		SCALE:
		NTS
		DESIGNED BY
		PGW / CIL
		DRAWN BY:
		KLO / MD2

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION



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Circle 50

DRAWING NO.
CT-1
SHEET 30 OF 51
WENDEL JOB NUMBER
221340x2

ITEM NO.	DESCRIPTION	UNIT
\$912.020100	NEW 1" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
\$912.020200	NEW 2" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
\$913.020200	NEW 2" COPPER WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
\$913.120100	NEW 1" POLYETHYLENE WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
\$914.020100	FURNISH AND INSTALL NEW 1" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
\$914.020200	FURNISH AND INSTALL NEW 2" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
\$914.20	REMOVE EXISTING CURB BOX ASSEMBLY (INCLUDING EXCAVATION AND BACKFILL)	EA
\$966.0305	5 POUND MAGNESIUM ANODE	EA

NOTES:

1. PRIOR TO COMMENCING WORK, CONTRACTOR IS TO VERIFY LOCATION AND DISPOSITION OF ALL WATER SERVICE WORK.
2. TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER SERVICES.
3. CONTRACTOR TO PROVIDE WATER SERVICE LOCATION CARD FOR ALL NEW WATER SERVICES. SEE DETAIL 2 ON DWG CD-2.

WATER SERVICES TABLE										
CENTERLINE STATION AND OFFSET	ADDRESS	EXISTING SERVICE			DISPOSITION	PROPOSED SERVICE			DEPTH OF EXISTING WATER MAIN AT TAP LOCATION (APPROXIMATE)	ITEM NO.
		SIZE	MATERIAL	STATUS		SIZE	MATERIAL	LENGTH (LF)		
81 + 61 L1 ★	957 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	32	4.5 - 5 FT	S912.020100, S913.120100, S914.020100
81 + 81 R1 ★	964 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	15	4.5 - 5 FT	S912.020100, S913.120100, S914.020100
82 + 02 LT	971 PORTLAND AVE	5/8"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.5 - 5 FT	S914.02
82 + 19 RT	968 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	15	4.5 - 5 FT	S912.020100, S913.120100, S914.020100
82 + 51 LT	973-975 PORTLAND AVE	5/8"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	33	4.5 - 5 FT	S912.020100, S913.120100, S914.020100
83 + 02 LT	983 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	32	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
83 + 47 LT	997 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
83 + 57 RT	982-986 PORTLAND AVE	5/8"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
84 + 08 R1 ★	996 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	15	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
84 + 42 RT	998-1002 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	16	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
84 + 81 LT	1001-1005 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	32	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
84 + 88 R1 ★	1004 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	16	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
85 + 15 LT	1009 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
85 + 22 RT	1010 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	16	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
85 + 04 RT	1014 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	15	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
85 + 66 LT	1013-1015 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	36	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
86 + 02 LT	1025-1027 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	36	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
86 + 12 RT	1020 PORTLAND AVE	5/8"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	14	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
86 + 37 LT	1027-A PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
86 + 61 LT	1029-1033 PORTLAND AVE	3/4"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	34	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
87 + 06 LT	1037 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
87 + 63 RT	1036 PORTLAND AVE	5/8"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
87 + 75 RT	1040 PORTLAND AVE	5/8"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	16	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
88 + 05 RT	1040-A PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			4.7 - 5 FT	S914.02
88 + 05 LT	1055-1057 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	33	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
89 + 32 RT	1056 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	14	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
88 + 47 L1 ★	1059 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	32	4.7 - 5 FT	S912.020100, S913.120100, S914.020100
88 + 90 LT	1063 PORTLAND AVE	3/4"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AID BOX.	1"	PE	31	4.7 - 5 FT	S912.020100, S913.120100, S914.020100

★ CONTRACTOR IS DIRECTED TO INSTALL NEW WATER SERVICE VIA TUNNELING METHOD TO AVOID DAMAGE TO EXISTING TREES.

ITEM NO.	DESCRIPTION	UNIT
S912.020100	NEW 1" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
S912.020200	NEW 2" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
S913.020200	NEW 2" COPPER WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
S913.120100	NEW 1" POLYETHYLENE WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
S914.020100	FURNISH AND INSTALL NEW 1" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
S914.020200	FURNISH AND INSTALL NEW 2" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
S914.20	REMOVE EXISTING CURB BOX ASSEMBLY (INCLUDING EXCAVATION AND BACKFILL)	EA
S966.0305	5 POUND MAGNESIUM ANODE	EA

NOTES:

1. PRIOR TO COMMENCING WORK, CONTRACTOR IS TO VERIFY LOCATION AND DISPOSITION OF ALL WATER SERVICE WORK.
2. TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER SERVICES.
3. CONTRACTOR TO PROVIDE WATER SERVICE LOCATION CARD FOR ALL NEW WATER SERVICES. SEE DETAIL 2 ON DWG CD-2.

DATE: JULY 2015	BY: [Signature]	SCALE: NTS	DESIGNED BY: PGW/CJL	DRAWN BY: KLO/MD2
REVISIONS				
NO.	DATE	DESCRIPTION		

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION



CONSTRUCTION TABLES

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Wendel and Architecture, Engineering, Surveying and Landscape Architecture P.C.

DRAWING NO.
CT-2
SHEET 31 OF 51
WENDEL JOB NUMBER
22134002

WATER SERVICES TABLE										
CENTERLINE STATION AND OFFSET	ADDRESS	EXISTING SERVICE			DISPOSITION	PROPOSED SERVICE			DEPTH OF EXISTING WATER MAIN AT TAP LOCATION (APPROXIMATE)	ITEM NO.
		SIZE	MATERIAL	STATUS		SIZE	MATERIAL	LENGTH		
89 + 70 LT	1071-1073 PORTLAND AVE	3/4"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
89 + 73 RT	1074 PORTLAND AVE	5/8"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	17	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
90 + 21 RT	1080 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
90 + 47 LT	1087 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	28	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
90 + 71 RT	1088 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
90 + 87 LT	1091 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
91 + 12 RT ★	1092 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	19	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
91 + 24 LT	1095 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
91 + 66 LT	1105 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	4.7 - 5.7 FT	S912.120100, S913.120100, S914.120100
92 + 06 LT	1109 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	23	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
92 + 50 RT	1112 PORTLAND AVE	3/4"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
92 + 79 RT ★	1116 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	19	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
93 + 14 RT	1122 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
93 + 18 LT ★	1119 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
93 + 55 RT	1122-A PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			3.75 - 4.6 FT	S914.20
93 + 58 LT	1123 PORTLAND AVE	3/4"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
94 + 03 LT ★	1129-1131 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	30	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
94 + 10 RT	1130 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
94 + 42 RT	1136 PORTLAND AVE	5/8"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			3.75 - 4.6 FT	S914.20
94 + 45 LT	1139 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	36	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
95 + 34 RT	1148 PORTLAND AVE	3/4"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	10	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
95 + 50 LT	1149-1151 PORTLAND AVE	3/4"	COPPER	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	47	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
95 + 60 RT	1154 PORTLAND AVE	1/2"	LEAD	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	10	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
95 + 88 LT	1155 PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			3.75 - 4.6 FT	S914.20
95 + 91 RT	1156-1162 PORTLAND AVE	1/2"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	12	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100
96 + 31 RT	1156-A PORTLAND AVE	1/2"	LEAD	RUN	REMOVE EXISTING CURB BOX ASSEMBLY	N/A			3.75 - 4.6 FT	S914.20
96 + 68 RT	1164-1168 PORTLAND AVE	1"	GALVANIZED	ACTIVE	REMOVE EXISTING CURB STOP AND BOX AND PROVIDE NEW SERVICE TAP, WATER SERVICE, CURB STOP, AND BOX.	1"	PE	18	3.75 - 4.6 FT	S912.120100, S913.120100, S914.120100

★ CONTRACTOR IS DIRECTED TO INSTALL NEW WATER SERVICE VIA TUNNELING METHOD TO AVOID DAMAGE TO EXISTING TREES.

ITEM NO.	DESCRIPTION	UNIT
S912.020100	NEW 1" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
S912.020200	NEW 2" WATER SERVICE TAP AT WATER MAIN, CORPORATION STOP AND CONNECTION (INCLUDING EXCAVATION AND BACKFILL)	EA
S913.020200	NEW 2" COPPER WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
S913.120100	NEW 1" POLYETHYLENE WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	LF
S914.020100	FURNISH AND INSTALL NEW 1" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
S914.020200	FURNISH AND INSTALL NEW 2" CURB STOP AND BOX AT NEW WATER SERVICE (INCLUDING EXCAVATION AND BACKFILL)	EA
S914.20	REMOVE EXISTING CURB BOX ASSEMBLY (INCLUDING EXCAVATION AND BACKFILL)	EA
S966.0305	5 POUND MAGNESIUM ANODE	EA

NOTES:

1. PRIOR TO COMMENCING WORK, CONTRACTOR IS TO VERIFY LOCATION AND DISPOSITION OF ALL WATER SERVICE WORK.
2. TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER SERVICES.
3. CONTRACTOR TO PROVIDE WATER SERVICE LOCATION CARD FOR ALL NEW WATER SERVICES. SEE DETAIL 2 ON DWG CD-2.

DATE: JULY 2015	BY: [Signature]	SCALE: NTS	DESIGNED BY: PGW/CJL	DRAWN BY: KLO/MD2
REVISIONS				
NO.	DATE	DESCRIPTION		

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION



CONSTRUCTION TABLES

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DRAINAGE TABLE								
SURVEY ID NO.	RPWD ID NO.	EXISTING		PROPOSED		EXISTING TOP OF GRADE (INVERT)	PROPOSED TOP OF GRADE (INVERT)	DISPOSITION
		LOCATION (STA.)	OFFSET (FT.)	LOCATION (STA.)	OFFSET (FT.)			
DS 60	316797	71+39	17 LT	N/A		NOT AVAILABLE (471.95 E)	-	NO WORK
DS 59	316919	L 9+46	09 LT	N/A		NOT AVAILABLE (471.66 E)	-	NO WORK
DS 58	316920	L 9+41	11 RT	N/A		NOT AVAILABLE (470.40 E)	-	NO WORK
DS 57	316798	71+79	22 RT	N/A		NOT AVAILABLE (470.81 W)	-	NO WORK
DS 56	317450	L 10+41	07 RT	N/A		NOT AVAILABLE (471.76 N)	-	NO WORK
DS 55	317451	L 10+50	12 LT	N/A		NOT AVAILABLE (471.59 S)	-	NO WORK
DS 54	316794	73+89	18 LT	N/A		NOT AVAILABLE (471.00 E)	-	NO WORK
DS 53	316795	74+08	20 RT	N/A		NOT AVAILABLE (470.52 W)	-	NO WORK
DS 52	316918	RO 10+54	08 LT	N/A		NOT AVAILABLE (NOT AVAIL.)	-	NO WORK
DS 51	316917	RO 10+49	09 RT	N/A		NOT AVAILABLE (470.44 S)	-	NO WORK
DS 50	316796	75+44	19 RT	N/A		NOT AVAILABLE (470.00 W)	-	NO WORK
DS 49	317452	RA 10+41	06 RT	N/A		NOT AVAILABLE (469.79 N)	-	NO WORK
DS 48	317453	RA 10+45	08 LT	N/A		NOT AVAILABLE (469.88 S)	-	NO WORK
DS 47	316855	76+31	20 LT	N/A		471.25 (NOT AVAILABLE)	-	NO WORK
DS 46	317366	DU 10+46	14 LT	N/A		471.03 (470.17 N)	-	NO WORK
DS 45	316585	DU 10+40	11 RT	N/A		471.06 (469.42 S)	-	NO WORK
DS 44	316580	78+45	21 RT	78+45	18 RT	471.46 (467.04 W)	473.50 (467.00 W)	REMOVE EXISTING DRAINAGE STRUCTURE AND REPLACE WITH TYPE B CATCH BASIN. PROVIDE NEW 8" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 8" VCP LATERAL.
DS 43	316579	78+64	20 LT	N/A		471.24 (468.85 E)	-	NO WORK
DS 42	317449	U 10+44	9 RT	N/A		471.25 (469.15 N)	-	NO WORK
DS 41	317448	O 10+62	12 LT	O 10+62	11 LT	471.17 (469.27 S)	473.17 (469.27 S)	REMOVE EXISTING CATCH BASIN AND REPLACE WITH TYPE B CATCH BASIN. PROVIDE NEW 8" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 8" CIP LATERAL.
DS 40	316578	80+26	20 LT	N/A		471.60 (468.40 E)	-	NO WORK
DS 39	316577	80+60	20 RT	N/A		471.46 (468.37 W)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 38	316576	81+02	36 LT	N/A		471.04 (466.95 E)	-	NO WORK
DS 36	316574	82+20	20 RT	81+96	19 RT	471.62 (465.50 N)	471.75 (468.29 N)	REMOVE EXISTING DRAINAGE STRUCTURE AND ABANDON LATERAL. REPLACE WITH TYPE B CATCH BASIN IN NEW LOCATION. PROVIDE 8" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 5'-7-1/2" STONE SEWER. EXISTING SEWER INVERT 458.80±.
DS 37	316575	82+45	20 LT	N/A		471.35 (467.26 E)	-	NO WORK
DS 35	317443	G 10+50	11 RT	N/A		471.20 (466.81 N)	-	NO WORK
DS 34	317442	G 10+71	11 LT	N/A		471.81 (467.27 S)	-	NO WORK
DS 33	316543	83+83	20 LT	83+70	16 LT	471.72 (466.5 SE)	470.75 (467.25 SE)	REMOVE EXISTING DRAINAGE STRUCTURE AND ABANDON LATERAL. REPLACE WITH TYPE B CATCH BASIN IN NEW LOCATION. PROVIDE 8" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 48" RCP SEWER. EXISTING SEWER INVERT 457.95±.
DS 31	316544	84+38	32 LT	N/A		471.33 (465.38 S)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 32	316545	84+51	20 RT	N/A		471.52 (465.92 W)	-	NO WORK
DS 30	316524	86+12	20 RT	N/A		469.83 (463.98 W)	-	NO WORK
DS 29	316523	86+30	20 LT	N/A		469.63 (465.33 E)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
CHAPIN ST	317386			N/A		NOT AVAILABLE (NOT AVAILABLE)	-	NO WORK

DRAINAGE TABLE								
SURVEY ID NO.	RPWD ID NO.	EXISTING		PROPOSED		EXISTING TOP OF GRADE (INVERT)	PROPOSED TOP OF GRADE (INVERT)	DISPOSITION
		LOCATION (STA.)	OFFSET (FT.)	LOCATION (STA.)	OFFSET (FT.)			
CHAPIN ST	317385			N/A		NOT AVAILABLE (NOT AVAILABLE)	-	NO WORK
DS 28	316522	87+13	20 LT	N/A		469.19 (464.4 SE)	-	NO WORK
DS 27	316520	M 10+53	11 LT	N/A		468.61 (464.31 E)	-	NO WORK
DS 26	316521	M 10+38	11 RT	N/A		468.62 (464.57 E)	-	NO WORK
DS 25	316517	88+87	20 LT	N/A		468.31 (464.26 E)	-	NO WORK
DS 24	316515	88+98	20 RT	N/A		468.24 (463.89 W)	-	NO WORK
DS 23	317387	J 10+42	10 RT	N/A		467.61 (463.71 N)	-	NO WORK
DS 22	317388	J 10+41	10 LT	N/A		467.55 (463.45 S)	-	NO WORK
DS 21	316516	89+90	21 LT	89+62	19 LT	468.06 (464.16 E)	467.93 (464.43 E)	REMOVE EXISTING DRAINAGE STRUCTURE AND ABANDON LATERAL. REPLACE WITH TYPE B CATCH BASIN IN NEW LOCATION. PROVIDE 8" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 48" RCP SEWER. EXISTING SEWER INVERT 454.80±.
DS 20	312960	F 10+41	11 LT	N/A		467.30 (463.30 E)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 19	312959	F 10+40	11 RT	N/A		467.26 (NOT AVAILABLE)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 18	316511	91+76	21 RT	N/A		466.00 (462.8 W)	-	NO WORK
DS 15A	316510	91+91	19 LT	91+69	19 LT	465.88 (462.58 E)	466.05 (462.55 E)	REMOVE EXISTING DRAINAGE STRUCTURE AND ABANDON LATERAL. REPLACE WITH TYPE B CATCH BASIN IN NEW LOCATION. PROVIDE 12" SDR 21 PVC LATERAL AND CONNECT TO EXISTING 48" RCP SEWER. EXISTING SEWER INVERT 452.20±.
DS 17	315970	P 10+43	11 RT	N/A		465.83 (462.38 N)	-	NO WORK
DS 16	315969	P 10+39	11 LT	N/A		465.63 (462.16 S)	-	NO WORK
DS 15	315968	T 10+45	11 LT	N/A		464.86 (459.86 E)	-	NO WORK
DS 14	315967	T 10+48	11 RT	N/A		464.87 (NOT AVAILABLE)	-	NO WORK
DS 13	316513	94+53	22 LT	N/A		462.19 (459.00 E)	-	NO WORK
DS 12	316512	94+54	21 RT	N/A		462.35 (458.96 W)	-	NO WORK
DS 11	315630	S 10+40	11 RT	N/A		462.49 (458.04 N)	-	NO WORK
DS 10	315629	S 10+39	10 LT	N/A		461.95 (458.30 S)	-	NO WORK
DS 9	315628	DI 10+47	12 LT	N/A		461.86 (458.57 N)	-	NO WORK
DS 8	315627	DI 10+47	12 RT	N/A		461.47 (457.73 S)	-	NO WORK
DS 8A	316509	96+64	20 LT	N/A		NOT AVAILABLE (NOT AVAILABLE)	-	NO WORK
DS 7	311748	N 9+50	22 LT	N/A		457.79 (450.10 SE)	-	NO WORK
DS 6	311754	N 9+50	27 RT	N/A		458.00 (453.51 N)	-	NO WORK
DS 5	311755	97+21	23 LT	N/A		458.28 (450.43 N)	-	NO WORK
DS 4	311749	97+25	24 RT	N/A		458.34 (452.64 N)	-	NO WORK
DS 3	311751	N 10+44	25 LT	N/A		457.61 (450.71 S)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 2	311752	98+22	25 RT	N/A		457.66 (452.77 SE)	MATCH FINISHED GRADE	ADJUST EXISTING FRAME AND GRATE
DS 1	311753	98+22	24 LT	N/A		457.66 (452.32 S)	-	NO WORK

ITEM R601.09 - LATERAL CONNECTION TO EXISTING STONE BOX SEWER
ITEM C603.992108 - POLYVINYL CHLORIDE PIPE LATERAL, SDR21, 8" DIAMETER
ITEM C603.992112 - POLYVINYL CHLORIDE PIPE LATERAL, SDR21, 12" DIAMETER
ITEM C604.076108 - CONNECT NEW 8" LATERAL TO EXISTING OR NEW SEWER
ITEM C604.076112 - CONNECT NEW 12" LATERAL TO EXISTING OR NEW SEWER
ITEM S604.3702 - TYPE B CATCH BASIN - INSTALLED (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)
ITEM S604.4101 - ADDITIONAL DEPTH TYPE B CATCH BASIN (INCLUDING EXCAVATION AND BACKFILL)
ITEM S604.5005 - ADJUST EXISTING CATCH BASIN FRAME AND COVER (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)
ITEM S604.560303 - ABANDON AND REMOVE EXISTING CATCH BASIN (INCLUDING EXCAVATION, BACKFILL, AND PAVEMENT RESTORATION)
ITEM S604.60 - ADJUST EXISTING SEWER MANHOLE FRAME AND COVER (INCLUDING EXCAVATION AND BACKFILL)

DATE: JULY 2015
BY: [Signature]
SCALE: NTS
DESIGNED BY: PGW/CJL
DRAWN BY: KLO/MD2

REVISIONS
NO. DATE DESCRIPTION

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION
CONSTRUCTION TABLES

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DRAWING NO.: CT-5
SHEET 34 OF 51
WENDEL JOB NUMBER 2213402

TREE PLANTING TABLE					
STATION	SIDE	OFFSET (FT)	BOTANICAL NAME	COMMON NAME	ITEM NO.
70+98	LT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
71+31	RT	24.4	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
72+68	LT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
72+81	RT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
73+03	LT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
73+30	RT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
74+65	RT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
75+11	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
75+15	RT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
75+74	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
76+14	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
79+84	RT	24.0	GLEDITSIA TRICHANTHOS INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	S611.0404
80+16	LT	33.6	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
80+28	LT	43.6	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
80+29	LT	56.3	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
80+38	RT	24.0	GLEDITSIA TRICHANTHOS INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	S611.0404
80+94	RT	24.0	GLEDITSIA TRICHANTHOS INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	S611.0404
82+29	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
83+25	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
83+46	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
83+69	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
85+36	RT	24.0	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	S611.0403
87+37	RT	24.0	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE JAPANESE ZELKOVA	S611.0406
87+76	RT	24.0	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	S611.0401
88+82	RT	24.0	QUERCUS ROBUR	ENGLISH OAK	S611.0407
88+85	LT	24.0	QUERCUS ROBUR	ENGLISH OAK	S611.0407
89+65	LT	24.0	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE JAPANESE ZELKOVA	S611.0406
89+97	RT	24.0	QUERCUS ROBUR	ENGLISH OAK	S611.0407
90+29	RT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
90+61	RT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
91+38	LT	24.0	SYRINGA RETICULATE 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	S611.0402
92+08	LT	24.0	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	S611.0403
93+57	LT	24.0	GLEDITSIA TRICHANTHOS INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	S611.0404
98+04 *	LT	49.4	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
98+04 *	RT	52	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
98+16 *	LT	38.3	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405
98+10 *	RT	36.2	CRATAGUS X LAVALLEI 'WINTER KING'	WINTER KING HAWTHORNE	S611.0405

ITEM S611.0401 - TREE PLANTING (PYRUS CALLERYANA 'CHANTICLEER' - CHANTICLEER CALLERY PEAR)
ITEM S611.0402 - TREE PLANTING (SYRINGA RETICULATE 'IVORY SILK' - IVORY SILK JAPANESE TREE LILAC)
ITEM S611.0403 - TREE PLANTING (ACER X FREEMANII 'AUTUMN BLAZE' - AUTUMN BLAZE RED MAPLE)
ITEM S611.0404 - TREE PLANTING (GLEDITSIA TRICHANTHOS INERMIS 'SKYLINE' - SKYLINE HONEY LOCUST)
ITEM S611.0405 - TREE PLANTING (CRATAGUS X LAVALLEI 'WINTER KING' - WINTER KING HAWTHORNE)
ITEM S611.0406 - TREE PLANTING (ZELKOVA SERRATA 'GREEN VASE' - GREEN VASE JAPANESE ZELKOVA)
ITEM S611.0407 - TREE PLANTING (QUERCUS ROBUR - ENGLISH OAK)

★ LOCATED IN THE GATEWAYS AT PORTLAND/NORTON

TREE REMOVAL TABLE					
STATION	SIDE	OFFSET (FT)	SIZE (IN)	ITEM NO.	NOTES
71+31	RT	24.4	12	S614.36	EXISTING TREE IN POOR CONDITION
83+09	RT	56.3	18	S614.37	
83+21	LT	24.0	10	S614.35	
91+91	LT	24.4	12	S614.36	

ITEM S614.35 - TREE REMOVAL - 6" TO 11" DBH
ITEM S614.36 - TREE REMOVAL - 12" TO 17" DBH
ITEM S614.37 - TREE REMOVAL - 18" TO 23" DBH

SIDEWALK TREATMENT TABLE					
STATION TO STATION	SIDE	TREATMENT		ITEM NO.	
70+95 TO 70+54	LT	EXPOSED AGGREGATE CONCRETE		S608.37	
71+28 TO 72+14	RT	EXPOSED AGGREGATE CONCRETE		S608.37	
71+79 TO 72+46	LT	EXPOSED AGGREGATE CONCRETE		S608.37	
72+46 TO 73+72	LT	CONCRETE		S608.14	
72+40 TO 73+01	RT	EXPOSED AGGREGATE CONCRETE		S608.37	
73+01 TO 73+11	RT	CONCRETE		S608.14	
74+14 TO 74+19	RT	CONCRETE		S608.14	
74+61 TO 74+76	RT	CONCRETE		S608.14	
75+04 TO 75+19	LT	CONCRETE		S608.14	
75+08 TO 75+23	RT	CONCRETE		S608.14	
75+42 TO 75+47	LT	CONCRETE		S608.14	
75+67 TO 75+82	LT	CONCRETE		S608.14	
76+06 TO 76+21	LT	CONCRETE		S608.14	
76+77 TO 77+86	LT	EXPOSED AGGREGATE CONCRETE		S608.37	
76+80 TO 78+79	RT	CONCRETE		S608.14	
79+09 TO 79+91	RT	EXPOSED AGGREGATE CONCRETE AND CONCRETE		S608.37, S608.14	
80+24 TO 80+52	LT	CONCRETE		S608.14	
80+27 TO 80+66	RT	CONCRETE		S608.14	
80+89 TO 81+04	RT	CONCRETE		S608.14	
81+05 TO 81+15	LT	CONCRETE		S608.14	
81+33 TO 81+43	RT	CONCRETE		S608.14	
81+93 TO 82+52	RT	EXPOSED AGGREGATE CONCRETE AND CONCRETE		S608.37, S608.14	
82+92 TO 83+06	RT	CONCRETE		S608.14	
83+86 TO 84+05	LT	CONCRETE		S608.14	
84+36 TO 85+25	LT	CONCRETE		S608.14	
84+73 TO 84+83	RT	CONCRETE		S608.14	
85+62 TO 85+69	LT	CONCRETE		S608.14	
85+72 TO 86+94	LT	CONCRETE		S608.14	
86+15 TO 86+65	LT/FT	EXPOSED AGGREGATE CONCRETE		S608.37	
86+65 TO 87+95	LT/FT	COLOR TINTING CONCRETE		608.93010005	
87+95 TO 88+10	LT/FT	EXPOSED AGGREGATE CONCRETE		S608.37	
87+77 TO 88+05	LT	CONCRETE		S608.14	
89+84 TO 90+04	LT	CONCRETE		S608.14	
90+29 TO 90+90	LT	EXPOSED AGGREGATE CONCRETE AND CONCRETE		S608.37, S608.14	
91+82 TO 92+47	LT	CONCRETE		S608.14	
92+73 TO 92+93	LT	CONCRETE		S608.14	
94+93 TO 97+47	RT	EXPOSED AGGREGATE CONCRETE		S608.37	
95+17 TO 97+41	LT	EXPOSED AGGREGATE CONCRETE		S608.37	
95+71 TO 95+97	LT	CONCRETE		S608.14	
95+71 TO 95+92	RT	CONCRETE		S608.14	
96+59 TO 96+83	LT	CONCRETE		S608.14	
97+91 TO 98+25	LT	EXPOSED AGGREGATE CONCRETE		S608.37	
97+91 TO 98+26	RT	EXPOSED AGGREGATE CONCRETE		S608.37	
98+26 TO 98+45	RT	CONCRETE		S608.14	

ITEM S608.14 - CONCRETE SIDEWALK AND DRIVEWAY (INCLUDING EXCAVATION AND SUBBASE)
ITEM S608.37 - EXPOSED AGGREGATE CONCRETE (INCLUDING EXCAVATION AND SUBBASE)
ITEM 608.93(10005 - COLOR TINTING CONCRETE
NOTE: REFER TO PL-1 THROUGH PL-6 FOR LIMITS OF PROPOSED SIDEWALK

DATE: JULY 2015
BY: [REDACTED]
REVISIONS: [REDACTED]
NO. DATE DESCRIPTION

SCALE: NTS
DESIGNED BY: PGW/CJL
DRAWN BY: KLO/MD2

CITY OF ROCHESTER, NEW YORK
PORTLAND AVENUE REVITALIZATION

CONSTRUCTION TABLES



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