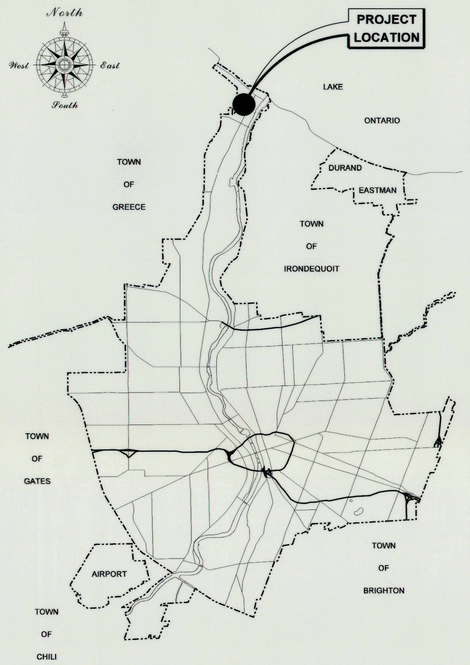
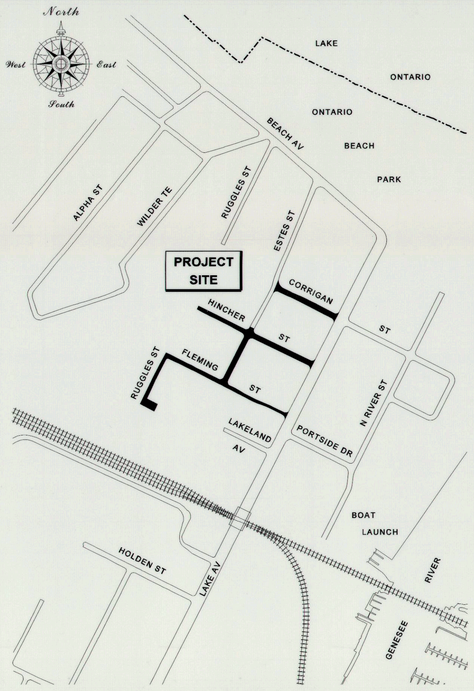


GENERAL LOCATION MAP



ENLARGED VIEW

CITY OF ROCHESTER, NEW YORK

DEPARTMENT OF ENVIRONMENTAL SERVICES

HINCHER GROUP IMPROVEMENTS PN 12109

STREET IMPROVEMENT PROGRAM

HINCHER GROUP

CORRIGAN STREET (ESTES ST to LAKE AV)
ESTES STREET (FLEMING ST to HINCHER ST)
FLEMING STREET (RUGGLES ST to LAKE AV)
HINCHER STREET (WEST END to LAKE AV)
LAKELAND AVENUE (RUGGLES ST TO EAST END)
RUGGLES ST (LAKELAND AV to FLEMING ST)

PROJECT LENGTH 2,440 FEET

PN 12109

BID PLANS
JUNE 1, 2015

5/28/15	05/28/15	05-27-15
NORMAN H. JONES COMMISSIONER DEPARTMENT OF ENVIRONMENTAL SERVICES CITY OF ROCHESTER	JAMES R. McINTOSH, P.E. CITY ENGINEER CITY OF ROCHESTER	ENRIQUE C. MAISCH, P.E. DIRECTOR OF WATER CITY OF ROCHESTER
DATE	DATE	DATE

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. COPY OF SUCH WORK RELEASE 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. BEFORE COMMENCING ANY WORK, IT IS RESPONSIBILITY OF CONTRACTOR TO HAVE LOCATION OF 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, UFPO 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 NYSDOT 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 REQUIRED 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 FOR SIDEWALK ACCESS RAMPS IS TO BE 5 FEET IN LENGTH, WITH TRANSITION CURBS BEING FROM MINIMUM OF 3 TO MAXIMUM OF 7 FEET IN LENGTH.
9. WHERE NEW SIDEWALK IS TO BE CONSTRUCTED ADJACENT TO OTHER 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 NYSDOT SECTION 203 EXCAVATION AND EMBANKMENT.
11. CONTRACTOR MUST CONTACT MCDOT DISPATCHER AT (585) 753-7750 MINIMUM OF 5 WORKING DAYS PRIOR TO REMOVING OR RESETTING 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 "CITY CHARTER AND CODE ONLINE".
2. CONTRACTOR IS TO PROVIDE PROTECTION FOR ALL EXISTING 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 S617 TREE PROTECTION AND CONTRACT DOCUMENTS.
3. OVERALL EXISTING TREE ROOT SYSTEM MUST REMAIN STRUCTURALLY ADEQUATE FOR EXISTING TREE TO WITHSTAND HEAVY WINDSTORMS. IN 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 STARTING 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. NO EQUIPMENT OR MATERIALS ARE TO BE STORED OVER TREE ROOT ZONE.

MONROE COUNTY PURE WATERS

1. CONTRACTOR IS TO CONSTRUCT ALL SEWER APPURTENANCES (MAIN SEWER, LATERAL, CATCH BASINS AND MANHOLES) IN CONFORMANCE WITH SPECIFICATIONS OF ROCHESTER PURE WATERS DISTRICT.
   ANY NEW PORTION OF CATCH BASIN LATERAL INSTALLED WITHIN PUBLIC R.O.W. MUST BE SDR-21 PVC CONFORMING TO ASTM D-2241. JOINTS ON HORIZONTAL PORTIONS AND BENDS ARE TO BE PUSH-ON NEOPRENE GASKETS. GLUED OR CHEMICALLY WELDED JOINTS WILL NOT BE ACCEPTABLE.
   ANY DEDICATED MAINLINE SEWER PIPE AND ASSOCIATED FITTINGS INSTALLED AS PART OF CITY STREET PROJECT MUST BE SDR-35 PVC CONFORMING TO ASTM D-3034.
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 WILL LOCATE AND MARK EXISTING LATERALS AT REQUEST OF CONTRACTOR. RPWD IS ONLY ABLE TO MARK WYE LOCATION AT MAIN SEWER, AND CANNOT VERIFY LOCATION OF LATERAL BACK TO R.O.W. CONTRACTOR MAY REQUEST LATERAL STAKEOUT BY CONTACTING MCPW DEVELOPMENT REVIEW OFFICE AT (585) 753-7600, OPTION 5.
4. RPWD IS TO BE NOTIFIED IMMEDIATELY IN EVENT OF ANY DAMAGE TO SEWER APPURTENANCES BY CALLING (585) 753-7600, OPTION 1. ALL REPAIRS ARE TO BE PERFORMED IN PRESENCE OF REPRESENTATIVE OF RPWD, AND ARE TO BE MADE AS PER RPWD SPECIFICATIONS.
5. IN 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 FERNCO COUPLERS. CONTRACTOR MAY BE PERMITTED TO USE OAKUM AND EPOXY MORTAR TO CONNECT NEW PVC PIPE TO AN EXISTING BELL THAT IS IN GOOD CONDITION.
6. STONE BEDDING MATERIAL USED FOR SEWER MAIN AND LATERAL PIPE REPAIRS IS TO BE CLASS B CONSISTING OF #1 AND #2 WASHED STONE AT MINIMUM OF 6 INCH DEPTH.
7. WHEN NEW MANHOLE FRAMES AND COVERS ARE REQUIRED BY CONTRACT, CONTRACTOR WILL REPLACE EXISTING SEWER MANHOLE FRAMES AND COVERS (AS PER CONTRACT) WITH NEW 9 INCH FRAMES AND COVERS. CONTRACTOR WILL BE RESPONSIBLE FOR PURCHASING AND DELIVERY OF 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 REQUIRED FINISHED GRADE.
8. WHERE AN EXISTING CATCH BASIN IS TO BE REMOVED, ALL PORTIONS OF CATCH BASIN WALLS AND FOUNDATION ARE TO BE REMOVED AND EXISTING LATERAL ABANDONED AS PER RPWD SPECIFICATIONS.
9. ALL REMOVED SEWER MANHOLE FRAMES AND COVERS AND CATCH BASIN GRATES, ACCESS COVERS AND CAPSTONES ARE PROPERTY OF ROCHESTER PURE WATERS DISTRICT. RETURN ITEMS TO MCPW FLEET CENTER, 145 PAUL ROAD, ROCHESTER, NEW YORK, MONDAY THROUGH FRIDAY BETWEEN 8:00AM AND 3:00PM AT NO COST TO OWNER.
10. 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.

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH STANDARD WATER MAIN EXTENSION

1. THE WATER MAIN AND TEMPORARY BYPASS PIPE 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 INSTALLATION. ADDITIONALLY, THE EXTERIOR SURFACES OF EXISTING 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 FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
   THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH (MCDPH) MUST RECEIVE AT 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 NEWYORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) 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 DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E.COLI) 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 ASFAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED 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 C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER 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 S900 - GENERAL WATER PROVISIONS.

WATER MAIN AND WATER SERVICE

1. ROCHESTER WATER BUREAU REQUIRES THAT HYDRANT 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 PREVENTER.
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 4.5 FEET FOR DOMESTIC WATER MAINS, AND 5 FEET FOR HOLLY 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 AT 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.

SOIL EROSION AND WATER POLLUTION ABATEMENT

CONTRACTOR IS TO BE IN FULL COMPLIANCE WITH REQUIREMENTS OF CITY OF ROCHESTER LAWS AND REGULATIONS, SUBSECTION 10 COMPLIANCE WITH AIR AND WATER LAWS AND REGULATIONS, WHICH STATE IN PART:

E. SOIL EROSION AND WATER POLLUTION ABATEMENT. THE CONTRAXCTOR SHALL SCHEDULE AND CONDUCT ITS OPERATIONS TO MINIMIZE EROSION OF SOILS AND TO PREVENT SILTING AND MUDDYING OF STREAMS, RIVERS, IRRIGATION SYSTEMS, IMPOUNDMENTS (LAKES, RESERVOIRS, ETC.) AND LANDS ADJACENT TO OR AFFECTED BY THE WORK. CONSTRUCTION OF DRAINAGE FACILITIES AND PERFORMANCE, OR OTHER WORK, WHICH WILL CONTRIBUTE TO THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE CARRIED OUT IN CONJUNCTION WITH EARTHWORK OPERATIONS, OR AS SOON THEREAFTER AS PRACTICABLE. THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME BY CONSTRUCTION OPERATIONS SHALL BE KEPT TO A MINIMUM.

F. WHEN IT BECOMES NECESSARY, THE PROJECT MANAGER WILL INFORM THE CONTRACTOR OF UNSATISFACTORY CONSTRUCTION PROCEDURES AND OPERATIONS INSOFAR AS EROSION CONTROL, WATER AND AIR POLLUTION ARE CONCERNED. IF THE UNSTAISFACTORY CONSTRUCTION PROCEDURES AND OPERATIONS ARE NOT CORRECTED PROMPTLY, THE PROJECT MANAGER MAY SUSPEND THE PERFORMANCE OF ANY OR ALL OF OTHER CONSTRUCTION UNTIL THE UNSTAISFACTORY CONDITION BEEN CORRECTED.

LEGEND

EXISTING

- 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
- MEDINA — CURB LINE AND TYPE
- SLATE SIDEWALK
- SHRUB ROW
- 6" — TREE AND DIAMETER AT DBH
- MH — SEWER MANHOLE
- S 12"VCP — COMBINED SEWER, SIZE AND TYPE
- SW 15"CMP — STORM WATER SEWER, SIZE AND TYPE
- SAN 8"VTP — 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
- 6"W WV — WATER MAIN AND SIZE, WATER VALVE
- WATER REDUCER
- CS — WATER SERVICE AND CURB STOP
- MW — MONITORING WELL
- CLP — CONCRETE STREET LIGHT POLE
- MLP — METAL STREET LIGHT POLE
- WPP — WOOD POWER POLE
- WPP GUY — WOOD POWER POLE w/GUY WIRE
- WLP — WOOD POWER POLE w/STREET LIGHT
- HH — UTILITY HANDHOLE OR PULLBOX
- MH — UTILITY MANHOLE W/ 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"LP — 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
- STEEL CURB
- ADDITIONAL WORK LIMIT LINE
- CONCRETE SIDEWALK/DRIVEWAY
- ASPHALT DRIVEWAY
- MISCELLANEOUS EXCAVATION - SEE GENERAL NOTE #10
- PAVEMENT REHABILITATION/RECONSTRUCTION AREA
- TREE PLANTING
- CB-1 — CATCH BASIN FRAME AND GRATE ADJUSTMENT
- CB-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
- TAP — DISINFECTION/SAMPLING TAP
- CPTS — CATHODIC PROTECTION TEST STATION
- TWTB — TRACER WIRE TERMINATION BOX
- MAIN LINE WATER VALVE
- WATER REDUCER, OFFSET OR BENDS
- WATER SERVICE AND CURB STOP
- TH — TEMPORARY WATER BYPASS PIPE AND HYDRANT
- FLP — FIBERGLASS STREET LIGHT POLE
- LP — METAL STREET LIGHT POLE
- STREET LIGHTING HANDHOLE OR PULLBOX
- E — 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
- SIDEWALK ACCESS RAMPS

ABBREVIATIONS

ABND	ABANDONED
ADJ	ADJUST
AOBPM	AS ORDERED BY PROJECT MANAGER
APPROX	APPROXIMATE
ASPH	ASPHALT
℄	BASELINE
BLDG	BUILDING
BM	BENCH MARK
B/T	BLACKTOP
C	CURB
CALC	CALCULATED
CIP	CAST IRON PIPE
℄	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, D/W	DRIVEWAY
DWG	DRAWING
E	EXTERNAL DISTANCE
ELEV	ELEVATION
EXIST	EXISTING
FC	FRONTIER COMMUNICATIONS
FT	FEET
G	GUTTER
HORZ, HORIZ	HORIZONTAL
INV	INVERT
IP	IRON PIN
L	LENGTH OF CURVE
LH	SEWER LAMP HOLE
LT	LEFT
MAX	MAXIMUM
MCDOT	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
MON	MONUMENT
N/F	NOW OR FORMERLY
N.I.C.	NOT IN CONTRACT
NYS	NEW YORK STATE
PAVT, PVT	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCP	PLAIN CONCRETE PIPE
PI	POINT OF INTERSECTION
PK	POINT KNOWN NAIL
ℙ	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVCO	MOLECULARY 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, RG&E	ROCHESTER GAS AND ELECTRIC
R.O.W.	RIGHT-OF-WAY
RPWD	ROCHESTER PURE WATERS DISTRICT
RT	RIGHT
RTS	ROCHESTER TOPOGRAPHICAL SURVEY
ST BOX	STONE BOX SEWER
STA	STATION
T	TANGENT LENGTH OF CURVE
TC	TOP OF CURB
TG	TOP OF CATCH BASIN GRATE
TWC	TIME WARNER CABLE
TYP	TYPICAL
USC&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
XVCP	EXTRA STRENGTH VITRIFIED CLAY PIPE
Y	WYE OR Y-BRANCH

DRAWING INDEX

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THIS IS A GENERIC DRAWING AND EVERYTHING DEPICTED HEREON MAY NOT NECESSARILY PERTAIN TO THIS PROJECT

SEED FILE DATE AUGUST 18, 2014

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

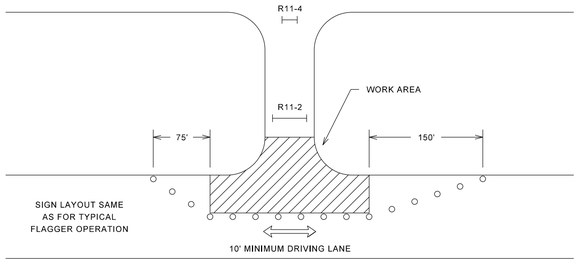
NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

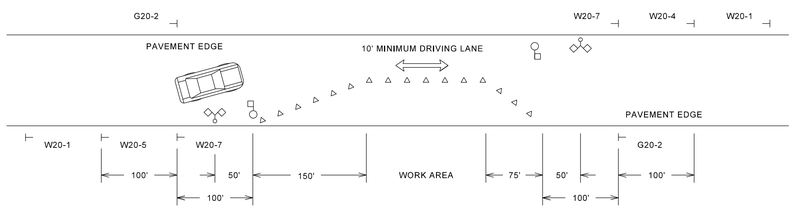
DRAWING TITLE
GENERAL INFORMATION

DRAWING NO.
2
OF
50

TYPICAL SIGNING
INTERSECTION RECONSTRUCTION AREA

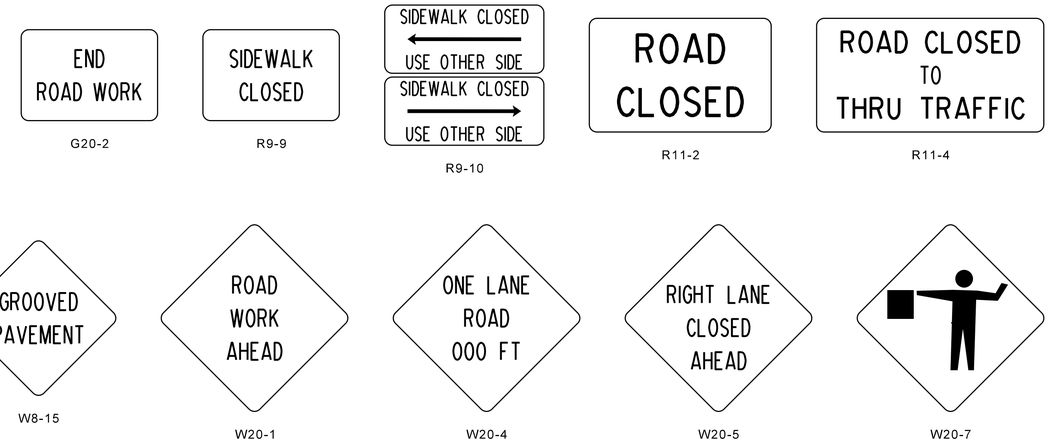


TYPICAL FLAGGER OPERATION



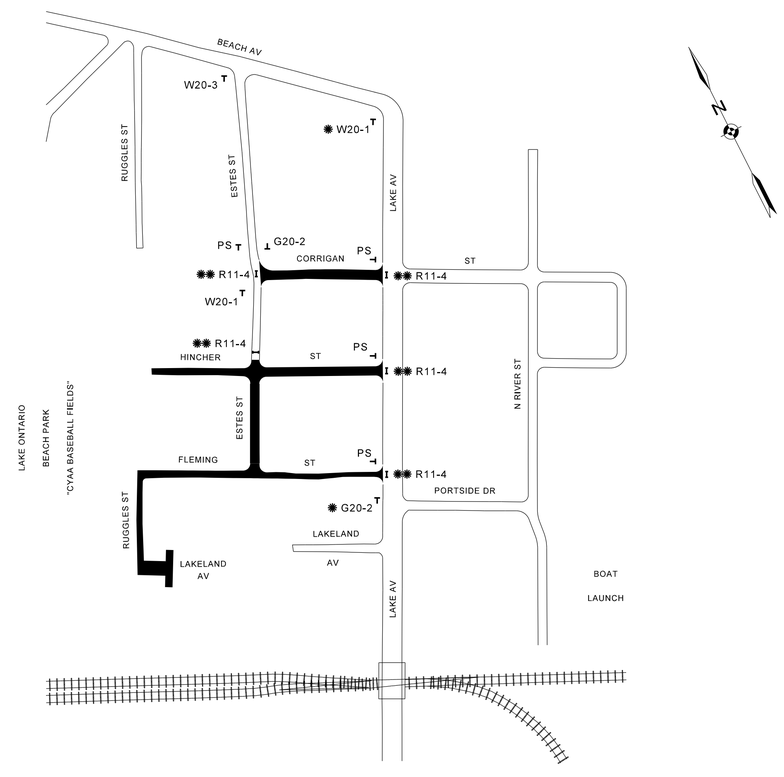
TRAFFIC CONTROL DEVICES

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



LEGEND

⊣	SIGN	△	CONE
⊢⊣	BARRICADE (SEE NOTE 8)	○□	FLAGGER
○	DRUM	◇◇	FLAG TREE
PS	PROJECT SIGN		



NOTES:

1. 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 INTERPRETATED AS "CITY OF ROCHESTER".
2. ALL SIGNS AS SHOWN ON DRAWING(S) AND AS ORDERED BY PROJECT MANAGER ARE TO BE IN PLACE IMMEDIATELY PRIOR TO COMMENCING WORK.
3. DULY TRAINED FLAGGER(S) ARE TO BE PROVIDED DURING WORKING HOURS TO PROTECT TRAFFIC AT ALL TIMES AND TO PROVIDE ADEQUATE TRAFFIC CONTROL.
4. ONE-WAY AND TWO-WAY TRAFFIC IS TO BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH REQUIREMENTS OF SECTION R619.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.

✱ USE SIGN ONLY WHEN CONSTRUCTION EXTENDS INTO INTERSECTION

✱✱ MOVE SIGNS AND BARRICADES TO SIDE OF ROAD AT END OF WORK DAY

LAYOUT:

- CLEAR BORDER 4" ALL AROUND
- INNER MARGIN 4" BETWEEN UPPER CITY MARK AND TEXT
- UPPER CITY MARK TO BE 9" DIAMETER AND FLUSH WITH CLEAR BORDER
- "CONTRACTOR" AND "FOR INFORMATION CALL" TEXT TO BE FLUSH WITH INNER MARGIN
- LOWER CITY MARK TO BE 5" DIAMETER AND BOTTOM TO BE FLUSH WITH CLEAR BORDER
- RIGHT SIDE MAYOR'S SIGNATURE TO BE FLUSH WITH CLEAR BORDER AND TOP TO LINE UP WITH TOP OF LOWER CITY MARK

LETTERS:

- PROJECT TITLE:
  SWISS 721 CONDENSED BOLD
  4" LETTERS INITIAL CAP
  2" LINE SPACING
- CONTRACTOR AND
  FOR INFORMATION CALL:
  SWISS 721 CONDENSED BOLD
  1.50" LETTERS INITIAL CAP
  0.75" LINE SPACING
- MAYOR'S SIGNATURE:
  SWISS 721 CONDENSED BOLD ITALIC
  1.25" LETTERS INITIAL CAP
  0.625" LINE SPACING
- ROCHESTER CITY COUNCIL:
  SWISS 721 CONDENSED BOLD ITALIC
  1.1875" LETTERS INITIAL CAP
  0.625" LINE SPACING
- CITY OF ROCHESTER:
  SWISS 721 CONDENSED BOLD
  1.25" LETTERS INITIAL CAP

NOTES:

1. PRIOR TO SIGN FABRICATION, CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM CITY OF SIGN LAYOUT.
2. BOARD TO BE 6 FOOT x 4 FOOT x ¾ INCH PLYWOOD PAINTED WITH 2 COATS WHITE EXTERIOR ENAMEL PAINT.
3. BOTTOM OF SIGN BOARD IS TO BE POSTED MINIMUM OF 5 FEET ABOVE GROUND.
4. CITY MARK AND ALL TEXT TO BE COLORED TO MATCH PMS COLOR 287C BLUE.
5. LINE TO BE 30 POINT RULE.
6. SIGN CAN BE REDUCED PROPORTIONALLY TO 3 FOOT x 2 FOOT AS REQUIRED IN CONTRACT DOCUMENTS.

CITY OF ROCHESTER		
PROJECT SIGN		
ISSUED	5-7-01	NON-STANDARD
REVISED	1-1-14	DWG.NO.S999-2

PS

THIS IS A GENERIC DRAWING AND EVERYTHING DEPICTED HEREON MAY NOT NECESSARILY PERTAIN TO THIS PROJECT

SEED FILE DATE MAY 19, 2014

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

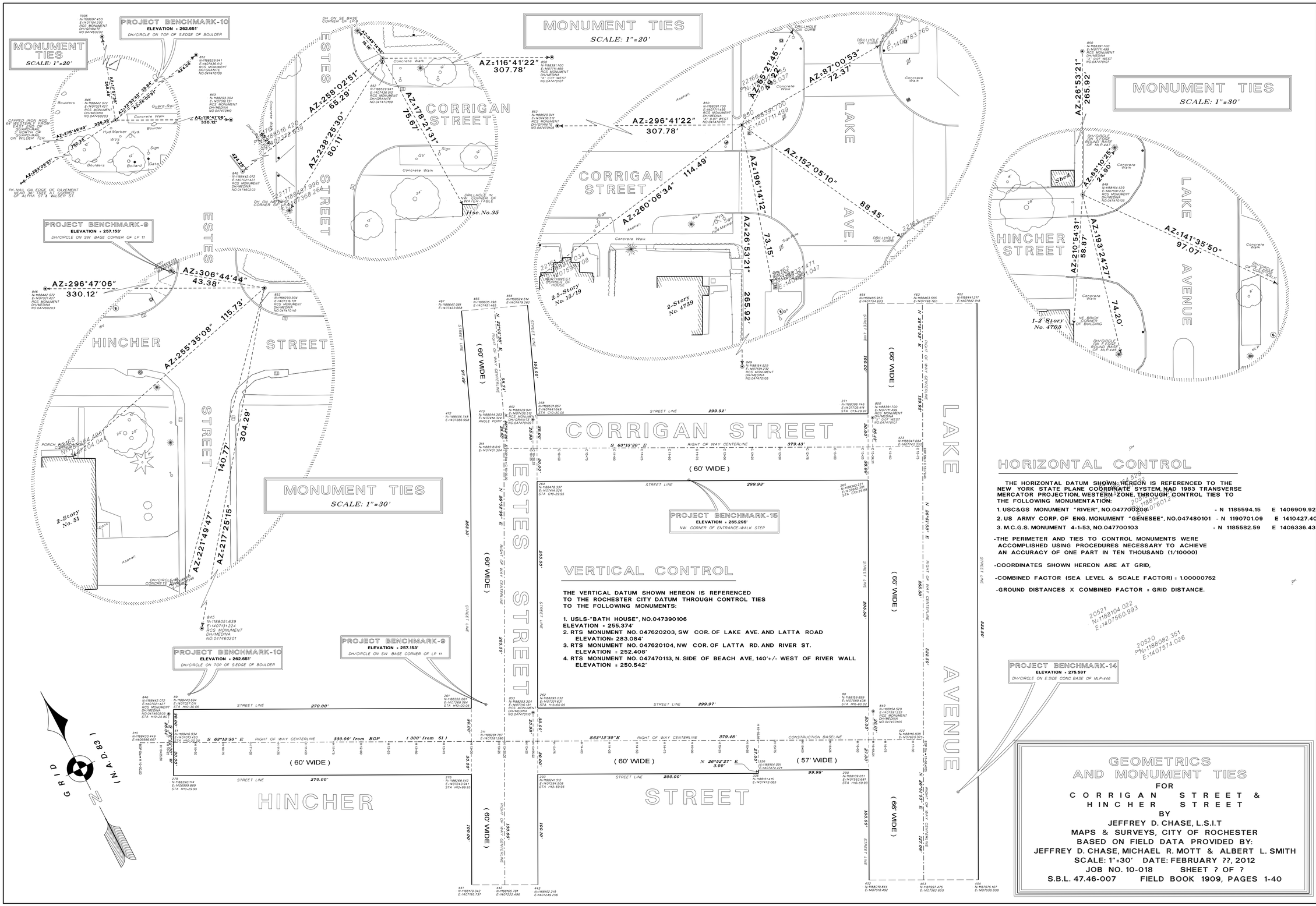
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE
MAINTENANCE
AND PROTECTION
OF TRAFFIC

DRAWING NO.
3
OF
50



VERTICAL CONTROL

THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE ROCHESTER CITY DATUM THROUGH CONTROL TIES TO THE FOLLOWING MONUMENTS:

1. USLS-"BATH HOUSE", NO.047390106
ELEVATION = 255.374'
2. RTS MONUMENT NO. 047620203, SW COR. OF LAKE AVE. AND LATTA ROAD
ELEVATION= 283.084'
3. RTS MONUMENT NO. 047620104, NW COR. OF LATTA RD. AND RIVER ST.
ELEVATION = 252.408'
4. RTS MONUMENT NO. 047470113, N. SIDE OF BEACH AVE, 140'+/- WEST OF RIVER WALL
ELEVATION = 250.542'

HORIZONTAL CONTROL

THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 1983 TRANSVERSE MERCATOR PROJECTION, WESTERN ZONE, THROUGH CONTROL TIES TO THE FOLLOWING MONUMENTATION:

1. USC&GS MONUMENT "RIVER", NO.047700208 - N 1185594.15 E 1406909.92
2. US ARMY CORP. OF ENG. MONUMENT "GENESEE", NO.047480101 - N 1190701.09 E 1410427.40
3. M.C.G.S. MONUMENT 4-1-53, NO.047700103 - N 1185582.59 E 1406336.43

-THE PERIMETER AND TIES TO CONTROL MONUMENTS WERE ACCOMPLISHED USING PROCEDURES NECESSARY TO ACHIEVE AN ACCURACY OF ONE PART IN TEN THOUSAND (1/10000)

-COORDINATES SHOWN HEREON ARE AT GRID.

-COMBINED FACTOR (SEA LEVEL & SCALE FACTOR) = 1.00000762

-GROUND DISTANCES X COMBINED FACTOR = GRID DISTANCE.

20521 N=1188104.022 E=1407560.993

20520 N=1188082.351 E=1407574.026

GEOMETRICS AND MONUMENT TIES

FOR

CORRIGAN STREET & HINCHER STREET

BY

JEFFREY D. CHASE, L.S.I.T

MAPS & SURVEYS, CITY OF ROCHESTER

BASED ON FIELD DATA PROVIDED BY:

JEFFREY D. CHASE, MICHAEL R. MOTT & ALBERT L. SMITH

SCALE: 1"=30' DATE: FEBRUARY ??, 2012

JOB NO. 10-018 SHEET ? OF ?

S.B.L. 47.46-007 FIELD BOOK 1909, PAGES 1-40

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

CITY SURVEYOR: JACEK M. SZYMANSKI, P.L.S.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

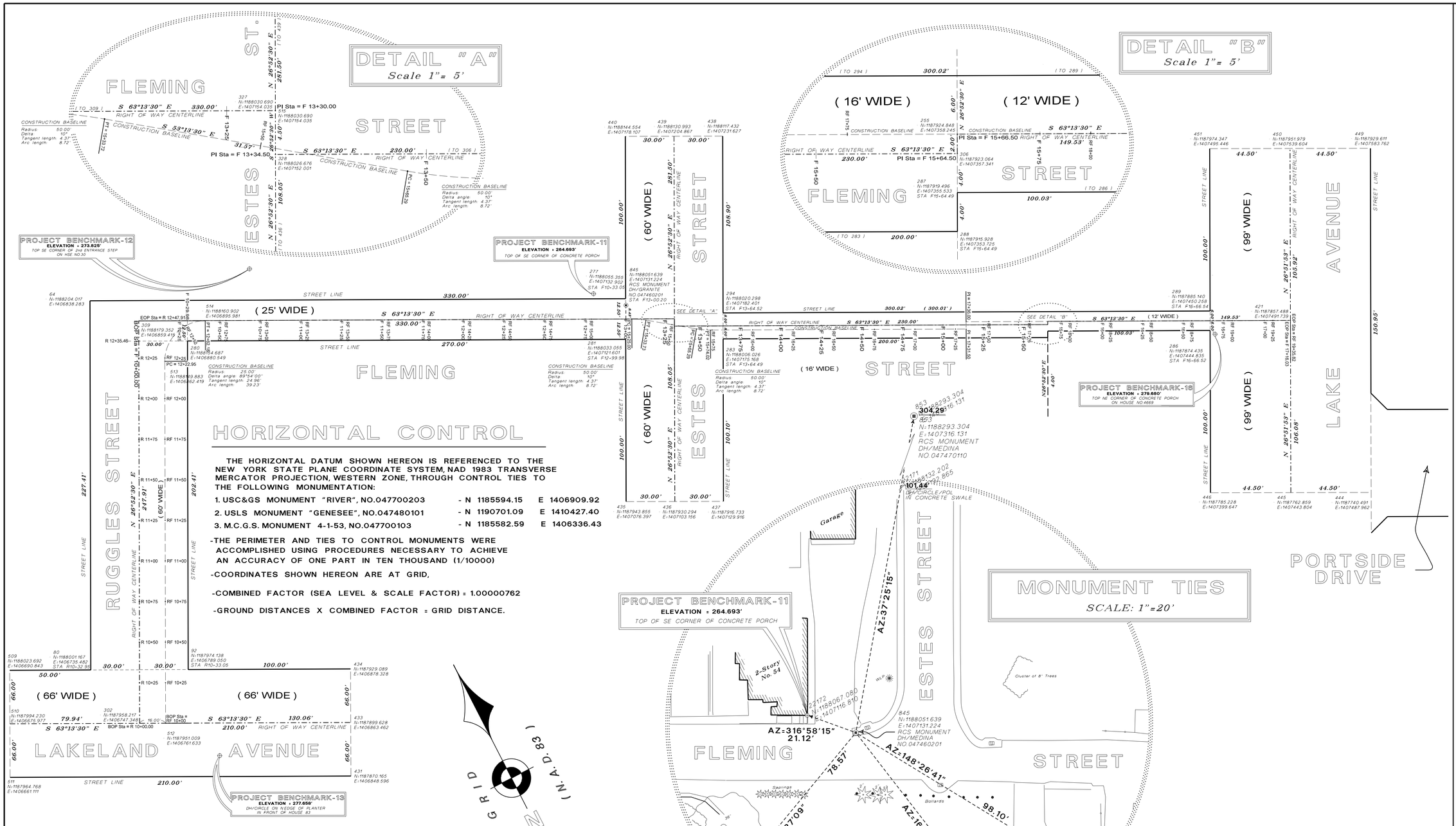
PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED Jacek M. Szymanski, PLS
DRAWN Jeffrey D. Chase
DESIGN Jeffrey D. Chase
SCALE 1" = 40'
PROJECT NUMBER 12109

DRAWING TITLE: GEOMETRICS

DRAWING NO. 4 OF 50



Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

CITY SURVEYOR JACEK M. SZYMANSKI, P.L.S.
CITY ENGINEER JAMES R.McINTOSH,P.E.

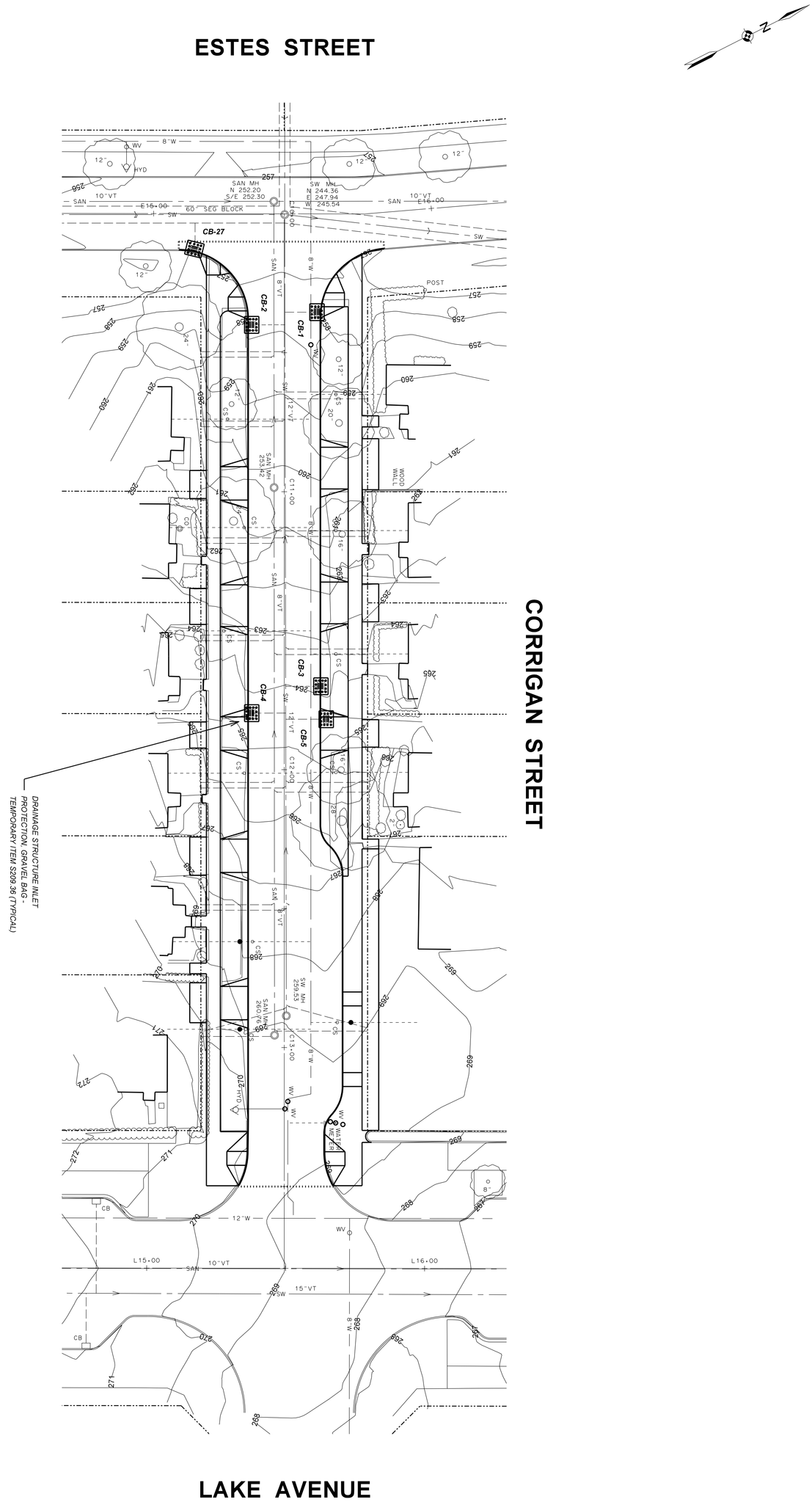
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE
1	ADD CONSTRUCTION BASELINE	JS	8/25/14

ISSUED JUNE 1, 2015
CHECKED Jacek M. Szymanski, PLS
DRAWN Jeffrey D. Chase
DESIGN Jeffrey D. Chase
SCALE 1" = 30'
PROJECT NUMBER 12109

DRAWING TITLE
GEOMETRICS

DRAWING NO.
5
OF
50

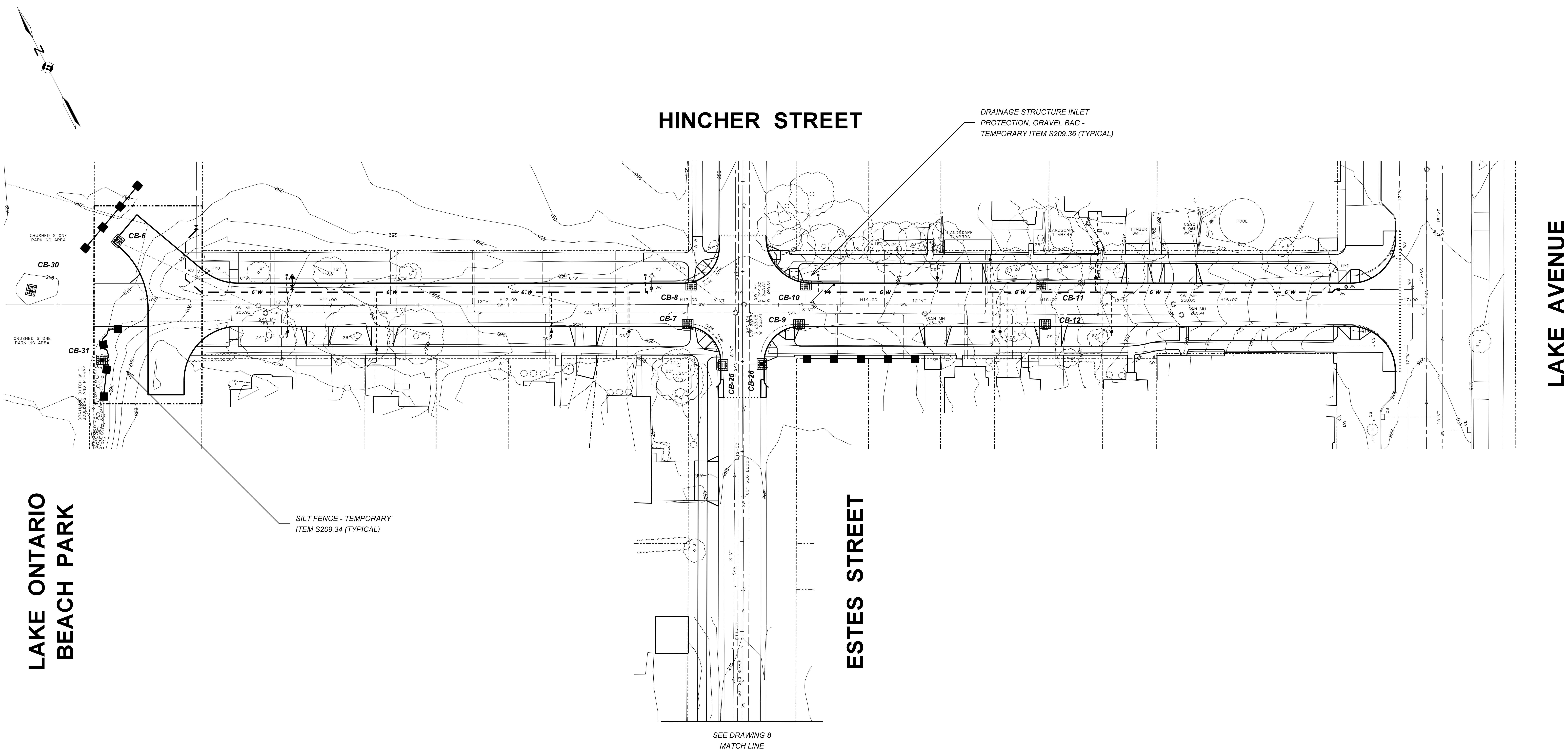


DRAWING NO. 6 OF 50	DRAWING TITLE: CORRIGAN STREET SOIL EROSION AND SEDIMENT CONTROL PLAN	ISSUED	JUNE 1, 2015				
		CHECKED	LYR				
		DRAWN	RKS				
		DESIGN	LYR				
		SCALE	1" = 20'				
		PROJECT NUMBER	12109	NO.	REVISION	BY	DATE

PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.



LEGEND

SILT FENCE

STONE AND BLOCK DROP INLET PROTECTION STRUCTURE

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER	ALBERT J.GIGLIO,P.E.
CITY ENGINEER	JAMES R.McINTOSH,P.E.

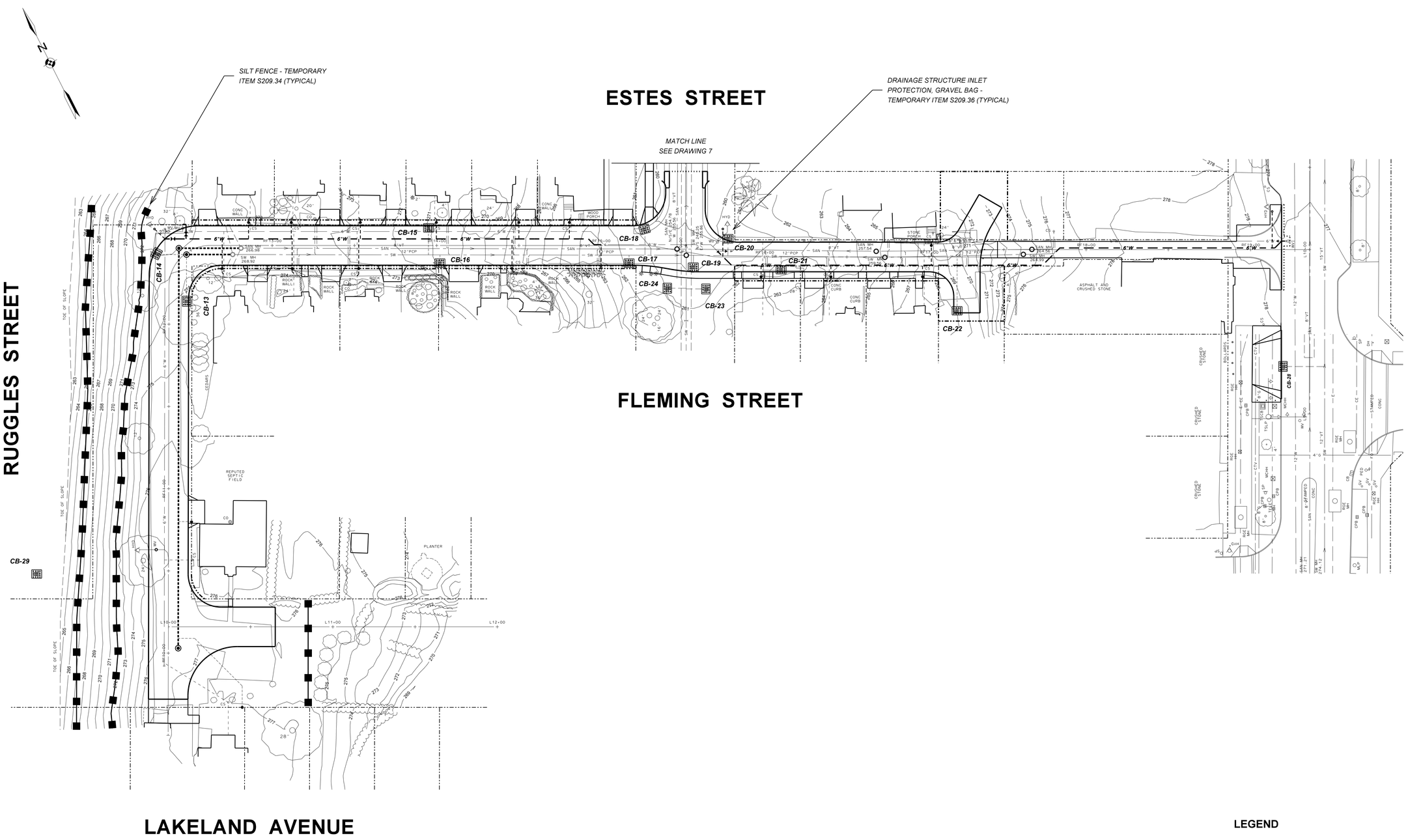
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	1" = 30'
PROJECT NUMBER	12109

DRAWING TITLE
HINCHER STREET
ESTES STREET
SOIL EROSION AND
SEDIMENT CONTROL
PLAN

DRAWING NO.
7
OF
50



LEGEND

SILT FENCE

STONE AND BLOCK DROP INLET PROTECTION STRUCTURE

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

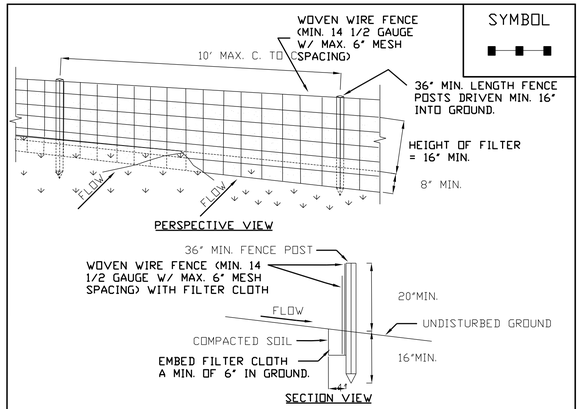
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	1" = 30'
PROJECT NUMBER	12109

DRAWING TITLE
RUGGLES STREET
FLEMING STREET
SOIL EROSION AND
SEDIMENT CONTROL
PLAN

DRAWING NO.
8
OF
50

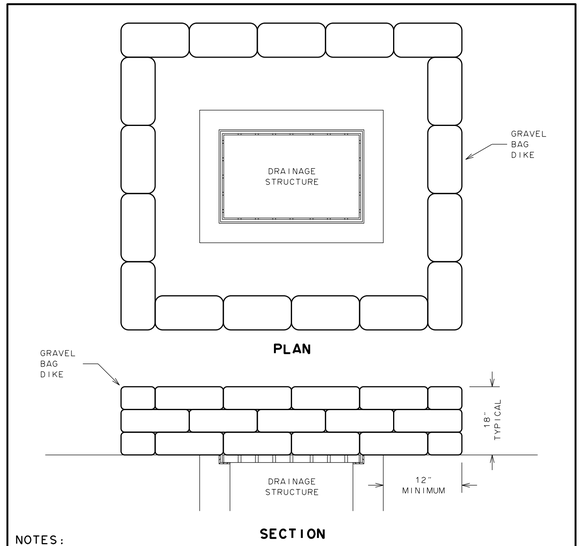


CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE



NOTES:

1. PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.
2. FILL GRAVEL BAGS WITH CLEAN #1 OR #2 STONE RATHER THAN SAND TO PREVENT SEDIMENT FROM ENTERING DRAINAGE SYSTEM IF BAG(S) IS DAMAGED DURING USE.
3. TOP OF DRAINAGE INLET PROTECTION IS TO BE SET AT MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.
4. GRAVEL BAGS ARE TO BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED.
5. GRAVEL BAGS OF EACH LAYER ARE TO OVERLAP JOINTS OF UNDERLYING LAYER OF GRAVEL BAGS.

CITY OF ROCHESTER

TEMPORARY DRAINAGE STRUCTURE INLET PROTECTION - GRAVEL BAG

ISSUED 1-1-15 NON-STANDARD
REVISED DWG.NO.S209-1

SILT FENCE

LOCATION	APPROXIMATE LENGTH	DISPOSITION	ITEM NUMBER
HINCHER STREET			
NW TURN-AROUND 10' OFF CURB	50' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34
SW TURN-AROUND ALONG EAST EDGE DRAINAGE DITCH	50' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34
SE CORNER ESTES ALONG R.O.W. LINE	60' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34
RUGGLES STREET			
WEST SIDE 10' OFF TOE OF SLOPE	320' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34
WEST SIDE ALONG 272 CONTOUR	320' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34
LAKELAND AVENUE			
EAST OF DEAD-END 20' OFF CURB	60' +/-	INSTALL AND MAINTAIN TEMPORARY SILK FENCE DIKE	S209.34

DRAINAGE STRUCTURE INLET PROTECTION

NUMBER	STATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET			
CB-1	C10+35.4 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-2	C10+40.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-3	C11+70.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-4	C11+79.7 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-5	C11+81.9 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
HINCHER STREET			
CB-6	H9+84.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-7	H12+99.5 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-8	H13+01.6 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-9	H13+61.3 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-10	H13+65.1 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-11	H14+96 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-12	H14+97.9 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
RUGGLES STREET			
CB-13	RF12+14.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-14	RF12+36.5 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
FLEMING STREET			
CB-15	RF13+95.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-16	RF14+02.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-17	RF15+17.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-18	RF15+26.7 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-19	RF15+57.8 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-20	RF15+77.7 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-21	RF16+10.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-22	RF17+17.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
ESTES STREET			
CB-23	E9+73.5 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-24	E9+74.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-25	E12+48.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-26	E12+48.6 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-27	E15+14.9 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
LAKE AVENUE			
CB-28	L9+729.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
LAKE ONTARIO BEACH PARK - CYAA BASEBALL FIELDS			
CB-29	RF10+48.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-30	H9+35.0 LT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36
CB-31	H9+74.0 RT	INSTALL AND MAINTAIN TEMPORARY GRAVEL BAG PROTECTION	S209.36

NOTE: INSTALL GRAVEL BAG PROTECTION AROUND EXISTING CATCH BASIN. AFTER NEW CATCH BASIN IS CONSTRUCTED, RE-BUILD EXISTING GRAVEL BAG PROTECTION SO AS TO BE AROUND NEW CATCH BASIN.

CATCH BASINS CB-24 AND CB-25 ARE PER RECORDS AND MAY NOT EXIST IN FIELD. IF THEY ARE FOUND, INSTALL GRAVEL BAG PROTECTION AROUND CATCH BASINS.

SOIL EROSION AND SEDIMENT CONTROL

1. CONTRACTOR IS TO COMPLY WITH ALL PROVISIONS OF NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SPDES PERMIT, AND NYSDOT SECTION 209 SOIL EROSION AND SEDIMENT CONTROL.
2. INITIAL CONTROL MEASURES ARE TEMPORARY AND ARE TO BE INSTALLED AS REQUIRED BY SPDES PERMIT AND AS SHOWN ON PLANS . ADDITIONAL CONTROL MEASURES MAY BE REQUIRED DUE TO VARIATION IN SITE CONDITIONS.
3. CONTROL MEASURES ARE TO BE INSTALLED MINIMUM OF 7 CALENDAR DAYS BEFORE STARTING WORK WITHIN ANY AREA REQUIRING SUCH CONTROL MEASURES. CONTROL MEASURES ARE TO BE INSPECTED AND MAINTAINED IN GOOD WORKING CONDITION DURING LIFE OF PROJECT, INCLUDING WINTER SHUTDOWN. SUCH INSPECTION AND MAINTENANCE IS TO CONTINUE UNTIL AFTER PERMANENT STABILIZATION MEASURES ARE IN PLACE, AND TEMPORARY CONTROL MEASURES ARE ORDERED TO BE REMOVED BY PROJECT MANAGER.
4. TO DETERMINE THAT CONTROL MEASURES ARE FUNCTIONING AS INTENDED, CONTROL MEASURES ARE TO BE INSPECTED EVERY 7 CALENDAR DAYS, AFTER EACH RAINFALL OF 1/2 INCH OR MORE WITHIN 24 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL EVENT. INSPECTIONS ARE TO BE COMPLETED WITHIN 1 CALENDAR DAY PERIOD. CLEAN AND REPAIR CONTROL MEASURES AS NECESSARY.
5. REPAIR OR REBUILD CONTROL MEASURES AS NECESSARY WITHIN 3 CALENDAR DAYS AFTER INSPECTION SO THAT THEY FUNCTION AS ORIGINALLY INTENDED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT DEPOSITS WHICH HAVE REACHED WITHIN 1/2 HEIGHT OF CONTROL MEASURE.
6. PRIMARY PURPOSE OF STABILIZED CONSTRUCTION ENTRANCE IS TO ELIMINATE OR MINIMIZE AS MUCH AS POSSIBLE, TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY.
7. PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO MINIMIZE SEDIMENT FROM ENTERING DRAINAGE SYSTEM BY PONDING WATER ALLOWING SEDIMENT TO FALL OUT OF SUSPENSION.
8. PRIMARY PURPOSE OF SILT FENCE OR STRAW BALE DIKE IS TO REDUCE WATER RUNOFF VELOCITY AND TO TRAP SEDIMENT. SILT FENCE OR STRAW BALE DIKE IS TO BE INSTALLED ON LINE OF EQUAL ELEVATION (CONTOUR). ADDITIONAL SILT FENCE OR STRAW BALE DIKE(S) MAY ALSO BE INSTALLED ALONG BOTTOM OF SLOPE, AND AT INTERMEDIATE POINTS UP-SLOPE.
9. SILT FENCE OR STRAW BALE DIKE IS TO BE PERPENDICULAR TO DIRECTION OF WATER RUNOFF FLOW, AND IS TO BE LOCATED WHOLLY WITHIN DESIGNATED WORK LIMIT, WHICH MAY REQUIRE THAT SILT FENCE OR STRAW BALE DIKE TO BE INSTALLED IN SHORT STAGGERED SEGMENTS.
10. INSTALLATION OF SILT FENCE OR STRAW BALE DIKE IS NOT TO INTERFERE WITH OR DAMAGE ANY PRIVATELY OWNED PLANTINGS WHEREVER POSSIBLE. IF IT IS ANTICIPATED THAT SUCH INSTALLATION WILL DISTURB PRIVATELY OWNED PLANTINGS, CONTRACTOR IS TO NOTIFY OWNER THAT OWNER IS RESPONSIBLE TO MOVE PLANTINGS WITHIN 7 CALENDAR DAYS, OR CONTRACTOR WILL REMOVE PLANTINGS AND DISPOSE OF THEM.
11. CONTRACTOR IS TO PROVIDE CONCRETE WASHOUT AREA FOR CLEANING OF CONCRETE TRUCK CHUTES, AND WHEELBARROWS AND HAND TOOLS THAT ARE USED FOR CONCRETE WORK. CONCRETE WASHOUT IS TO BE PROVIDED IN ACCORDANCE WITH STORMWATER BEST MANAGEMENT PRACTICES.

THIS IS A GENERIC DRAWING AND EVERYTHING DEPICTED HEREON MAY NOT NECESSARILY PERTAIN TO THIS PROJECT

SEED FILE DATE JANUARY 1, 2015

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
SOIL EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

DRAWING NO.
9
OF 50

MONUMENT

TYPE NUMBER	STONE MARK	LOCATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET				
RCS 047470109	GRANITE DH	NE CORNER CORRIGAN AND ESTES	RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.07
RCS 047470107	MEDINA DH / +	NW CORNER CORRIGAN AND LAKE	RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.07
HINCHER STREET				
RCS 047460203	MEDINA DH	NE CORNER HINCHER AND FORMER RUGGLES	ADJUST TOP OF EXIST STONE AND RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.04
RCS 047470110	MEDINA DH	NE CORNER HINCHER AND ESTES	RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.07
RTS 047460204	CONCRETE	SOUTHSIDE HINCHER - STATION H13+70 RIGHT	SET NEW RTS MONUMENT WITH NEW FRAME AND COVER	S626.03
RCS 047470105	MEDINA DH	NW CORNER HINCHER AND LAKE	RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.07
FLEMING STREET				
RCS 047460201	GRANITE DH	NW CORNER FLEMING AND ESTES	RESET EXIST MONUMENT FRAME AND COVER TO GRADE	S626.07

NOTE: ALL EXISTING MONUMENTS ARE TO BE PROTECTED DURING CONSTRUCTION

IF EXIST RCS MONUMENT 47460203 CANNOT BE VERTICALLY ADJUSTED, EXIST MONUMENT IS TO BE REMOVED AND NEW RCS MONUMENT WITH NEW FRAME AND COVER IS TO BE SET AT DIRECTION OF CITY SURVEY OFFICE.

WATER SERVICE

ADDRESS	EXIST SERVICE STATION	EXIST SERVICE SIZE-TYPE	DISPOSITION
CORRIGAN STREET			
40 CORRIGAN	C10+65	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
36 CORRIGAN	C11+14	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
35 CORRIGAN	C10+74	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
33 CORRIGAN	C11+13	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
30 CORRIGAN	C11+58	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
27 CORRIGAN	C11+50	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
24 CORRIGAN	C12+01	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
23 CORRIGAN	C12+01	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
19-15 CORRIGAN	C12+62	3/4" COPPER	REMOVE EXIST CURB BOX (ITEM 203.02) AND INSTALL NEW 3/4" CURB STOP AND BOX
4739 LAKE	C12+93	3/4" COPPER	REMOVE EXIST CURB BOX (ITEM 203.02) AND INSTALL NEW 3/4" CURB STOP AND BOX
4753-4759 LAKE	C12+91	3/4" COPPER	REMOVE EXIST CURB BOX (ITEM 203.02) AND INSTALL NEW 3/4" CURB STOP AND BOX
HINCHER STREET			
77 HINCHER	H10+77	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
69 HINCHER	H11+26	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
59 HINCHER	H12+23	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
51 HINCHER	H12+66	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
26 HINCHER	H14+39	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
24 HINCHER	H14+68	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
23 HINCHER	H14+68	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
22 HINCHER	H15+27	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
19 HINCHER	H14+73	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
17 HINCHER	H15+04	3/4" COPPER	RUN SERVICE - DO NOT RENEW - REMOVE EXIST CURB BOX (ITEM S608.15)
15 HINCHER	H15+35	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
RUGGLES STREET			
83 LAKELAND	RF9+70	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
82 LAKELAND	RF10+41	3/4" COPPER	ADJUST EXISTING CURB BOX TO GRADE
FLEMING STREET			
80 FLEMING	RF12+87	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
76 FLEMING	RF13+12	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
59 FLEMING	RF12+70	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
54 FLEMING	RF14+81	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
51 FLEMING	RF13+13	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
50 FLEMING	RF13+53	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
49 FLEMING	RF13+52	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
48 FLEMING	RF13+99	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
46 FLEMING	RF14+49	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
45 FLEMING	RF14+46	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
33 FLEMING	RF15+98	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
27 FLEMING	RF16+40	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
25 FLEMING	RF16+96	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
22 FLEMING	RF17+02	3/4" COPPER	INSTALL NEW 1" SERVICE TAP, POLYETHYLENE WATER SERVICE, CURB STOP AND BOX
18 FLEMING	RF17+80	3/4" COPPER	REMOVE EXIST CURB BOX (ITEM 203.02)

NOTE: PRIOR TO COMMENCING WORK, CONTRACTOR IS TO VERIFY LOCATION AND DISPOSITION OF ALL WATER SERVICE WORK.

ITEM: ALL ITEMS INCLUDE EXCAVATION AND BACKFILL

S912.020100 - NEW 1" WATER SERVICE TAP
S913.120100 - NEW 1" POLYETHYLENE WATER SERVICE PIPE
S914.020100 - NEW 1" CURB STOP AND BOX
S914.050034 - NEW 3/4" CURB STOP AND BOX AT EXISTING WATER SERVICE
S914.14 - ADJUST EXISTING CURB BOX

HYDRANT

STATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET		
C13+22 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -
HINCHER STREET		
H10+33 LT	REMOVE EXIST HYDRANT ASSEMBLY, HYDRANT MARKER POST, VALVE BOX	S917.05
H10+80 LT	INSTALL NEW HYDRANT ASSEMBLY, 6" PVCO PIPE, 6" GATE VALVE AND 6" x 6" TEE (RESTRAIN ALL JOINTS) HYDRANT MARKER WILL BE INSTALLED BY OTHERS	S917.01
H12+79 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -
H16+59 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -
RUGGLES STREET		
RF10+62 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -
FLEMING STREET		
RF12+44 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -
RF15+77 LT	EXIST HYDRANT TO REMAIN - NO WORK ANTICIPATED	- - -

WATER VALVE

STATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET		
C10+47 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
C13+19 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
C13+22 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
C13+27 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
C13+27 LT	ADJUST EXIST WATER METER PIT TO GRADE	S914.23
C13+27 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
HINCHER STREET		
H10+27 LT	REMOVE EXIST WATER VALVE BOX (NO SEPARATE PAYMENT)	203.02
H10+27 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106
H10+28 LT	REMOVE EXIST WATER VALVE BOX (NO SEPARATE PAYMENT)	S917.05
H10+80 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106
H12+79 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
H13+78 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106
H16+61 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
H16+65 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
H17+02 LT	EXIST WATER VALVE BOX TO REMAIN - NO WORK ANTICIPATED	- - -
RUGGLES STREET		
RF10+62 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
FLEMING STREET		
RF12+41 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106
RF12+42 LT	REMOVE EXIST WATER VALVE BOX (NO SEPARATE PAYMENT)	203.02
RF12+52 LT	REMOVE EXIST WATER VALVE BOX (NO SEPARATE PAYMENT)	203.02
RF12+52 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106
RF15+72 LT	ADJUST EXIST WATER VALVE BOX TO GRADE	S909.08
RF19+23 LT	REMOVE EXIST WATER VALVE BOX	S909.05
RF19+24 LT	INSTALL NEW 6" RESILIENT SEAT GATE VALVE AND VALVE BOX	S903.0106

TRACER WIRE TERMINATION BOX

STATION	DISPOSITION	ITEM NUMBER
HINCHER STREET		
H10+77 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
H12+76 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
H13+72 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
H16+56 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
FLEMING STREET		
RF12+44 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
RF15+00 RT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
RF15+74 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106
RF19+13 LT	INSTALL NEW TRACER WIRE TERMINATION BOX	S901.130106

DRIVEWAY APRON

ADDRESS	HEADER CURB LENGTH	APRON PAVEMENT TYPE	COMMENTS	ITEM NUMBER
CORRIGAN STREET				
40 CORRIGAN	15'	ASPHALT	- - -	S608.15
36 CORRIGAN 30 CORRIGAN	15'	ASPHALT	COMMON APRON	S608.15
35 CORRIGAN	12'	ASPHALT	- - -	S608.15
33 CORRIGAN 27 CORRIGAN	15'	ASPHALT	COMMON APRON	S608.15
24 CORRIGAN	12'	ASPHALT	- - -	S608.15
23 CORRIGAN	12'	ASPHALT	- - -	S608.15
19-15 CORRIGAN	12'	ASPHALT	- - -	S608.15
4753-4759 LAKE	24'	EXPOSED AGGREGATE	5' TRANSITION CURB BOTH SIDES	S608.37
4739 LAKE	12'	ASPHALT	- - -	S608.15
HINCHER STREET				
CYAA FIELDS	24'	ASPHALT	MEDIUM-DUTY	S608.16
77 HINCHER	12'	ASPHALT	- - -	S608.15
69 HINCHER	12'	ASPHALT	- - -	S608.15
59 HINCHER	12'	ASPHALT	- - -	S608.15
25-23 HINCHER	12'	ASPHALT	- - -	S608.15
24 HINCHER	12'	ASPHALT	- - -	S608.15
22 HINCHER	12'	ASPHALT	- - -	S608.15
19 HINCHER	12'	ASPHALT	- - -	S608.15
4721-4723 LAKE	18'	ASPHALT	- - -	S608.15
RUGGLES STREET				
83 LAKELAND	24'	CONCRETE	- - -	S608.14
82 LAKELAND	14'	ASPHALT	- - -	S608.15
FLEMING STREET				
80 FLEMING	12'	ASPHALT	- - -	S608.15
76 FLEMING	12'	ASPHALT	- - -	S608.15
59 FLEMING	12'	ASPHALT	- - -	S608.15
54 FLEMING	12'	ASPHALT	- - -	S608.15
51 FLEMING	12'	ASPHALT	- - -	S608.15
50 FLEMING	12'	ASPHALT	- - -	S608.15
49 FLEMING	12'	ASPHALT	- - -	S608.15
48 FLEMING	12'	ASPHALT	- - -	S608.15
46 FLEMING	12'	ASPHALT	- - -	S608.15
45 FLEMING	18'	ASPHALT	2 CAR GARAGE	S608.15
33 FLEMING	14'	EXPOSED AGGREGATE	5' TRANSITION CURB BOTH SIDES	S608.37
27 FLEMING	14'	EXPOSED AGGREGATE	5' TRANSITION CURB BOTH SIDES	S608.37
25 FLEMING	14'	EXPOSED AGGREGATE	5' TRANSITION CURB BOTH SIDES	S608.37
ESTES STREET				
51 HINCHER	22'	ASPHALT	2 CAR GARAGE	S608.15
LAKE AVENUE				
4667 LAKE	32'	EXPOSED AGGREGATE	24' AT SIDEWALK 5' TRANSITION CURB BOTH SIDES	S608.37

SIGN SLEEVE

ADDRESS	STATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET			
4753-4759 LAKE	C12+78 LT	INSTALL NEW SIGN SLEEVE	S643.0101
FLEMING STREET			
54 FLEMING	RF14+84 LT	INSTALL NEW SIGN SLEEVE	S643.0101

STREET LIGHTING

STATION	DISPOSITION	ITEM NUMBER
HINCHER STREET		
H13+04 LT	ADJUST EXIST HANDHOLE/PULLBOX TO GRADE	S671.1701
H15+58 RT	INSTALL RISER CONNECTION ON EXIST WOOD POLE (WLP1)	S671.0801
H16+56 RT	INSTALL NEW PRECAST FOUNDATION	S671.3201
FLEMING STREET		
RF17+53 RT	INSTALL RISER CONNECTION ON EXIST WOOD POLE (WLP3)	S671.0801
RF17+90 LT	INSTALL NEW PRECAST FOUNDATION	S671.3201
RF18+27 LT	INSTALL NEW PRECAST FOUNDATION	S671.3201
RF18+64 LT	INSTALL NEW PRECAST FOUNDATION	S671.3201
ESTES STREET		
E13+15 RT	ADJUST EXIST HANDHOLE/PULLBOX TO GRADE	S671.1701
E13+15 LT	EXIST FLP1 1 TO REMAIN - NO WORK ANTICIPATED	- - -
E15+04 RT	EXIST PULLBOX TO REMAIN - NO WORK ANTICIPATED	- - -
E15+85 RT	EXIST FLP8 TO REMAIN - NO WORK ANTICIPATED	- - -

NOTE: CONTRACTOR TO INSTALL NEW FOUNDATIONS, CONDUIT AND RISER CONNECTIONS.

CITY'S STREET LIGHTING CONTRACTOR WILL INSTALL LIGHT POLES, FIXTURES AND CABLE, AND DO ALL WIRING.

TREE REMOVAL

ADDRESS	STATION	TREE SIZE AND SPECIES	ITEM NUMBER
HINCHER STREET			
FORMER RUGGLES	H10+33 RT	16"	S614.36
	H10+35 RT	16"	S614.36
	H10+42 LT	12"	S614.36
	H10+62 LT	12"	S614.36
RUGGLES STREET			
59 FLEMING	RF12+10 RT	36" OAK	S614.40
FLEMING STREET			
24 FLEMING	RF17+07 LT	24"	S614.38
LAKE AVENUE			
4667 LAKE	L9+43 LT	4"	203.02

TREE PLANTING

ADDRESS	STATION	TREE SPECIES COMMON NAME	ITEM NUMBER
CORRIGAN STREET			
27 CORRIGAN	C11+65 RT	Pyrus calleryana 'Chanticleer' - CHANTICLEER PEAR	S611.0403
23 CORRIGAN	C12+13 RT	Acer rubrum 'Red Sunset' - 'RED SUNSET' RED MAPLE	S611.0402
15-19 CORRIGAN	C12+55 RT	Amelanchier x grandiflora 'Robin Hill' (pink) - tree form - ROBIN HILL SERVICEBERRY	S611.0404
HINCHER STREET			
TURN-AROUND	H9+85 RT	Acer x fremanii 'Armstrong' - ARMSTRONG FREEMAN MAPLE	S611.0401
35 HINCHER	H13+85 RT	Amelanchier x grandiflora 'Robin Hill' (pink) - tree form - ROBIN HILL SERVICEBERRY	S611.0404
4705 LAKE HINCHER ST SIDE	H16+05 RT	Pyrus calleryana 'Chanticleer' - CHANTICLEER PEAR	S611.0403
ESTES STREET			
54 FLEMING ESTES ST SIDE	E10+50 LT	Amelanchier x grandiflora 'Robin Hill' (pink) - tree form - ROBIN HILL SERVICEBERRY	S611.0404
	E10+75 LT	Pyrus calleryana 'Chanticleer' - CHANTICLEER PEAR	S611.0403

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TABLES

DRAWING NO.
10
OF
50

CATCH BASIN

NUMBER	STATION	EXIST TOP OF GRATE (INVERT)	PROPOSED TOP OF GRATE (INVERT)	DISPOSITION	ITEM NUMBER
CORRIGAN STREET					
CB-1	C10+35.4	257.34 (253.34 +/-)	257.00	EXIST PREFORMED CATCH BASIN TO REMAIN. EXIST RETICULINE FRAME AND GRATE TO BE RESET. REMOVE EXIST CONCRETE RISER SECTI0N. FORM AND POUR NEW CONCRETE RISER SECTION. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.50
CB-2	C10+40	- - -	257.15 (253.65)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 249.45 +/-.	R601.1506 S604.31
CB-3	C11+70	- - -	263.44 (260.94)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 254.80 +/-.	R601.1506 S604.31
CB-4	C11+79.7	264.42 (260.72 +/-)	263.92	REMOVE EXIST BRICK CATCH BASIN AND CAST IRON GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-5	C11+81.9	264.34 (260.74 +/-)	- - -	REMOVE EXIST BRICK CATCH BASIN AND CAST IRON GRATE, AND ABANDON EXIST LATERAL PIPE.	S604.560101
HINCHER STREET					
CB-6	H9+84	- - -	✳ 257.85 (254.35)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST STORM WATER MANHOLE WITH NEW 8" SDR21 PVC LATERAL PIPE AT 0.50% SLOPE. CORE NEW OPENING IN EXIST STORM WATER MANHOLE AT 253.92. SEE MCPW DETAIL 2.03.	R601.12 S604.31
CB-7	H12+99.5	257.52 (253.17 +/-)	✳ 257.00	REMOVE EXIST ROUND BRICK CATCH BASIN AND CAST IRON GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-8	H13+01.6	257.33 (253.28 +/-)	✳ 257.00	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-9	H13+61.3	257.51 (253.91 +/-)	257.30	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-10	H13+65.1	257.70 (254.10 +/-)	257.35	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-11	H14+96	- - -	262.43 (259.93)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 255.30 +/-.	R601.1506 S604.31
CB-12	H14+97.9	263.22 (260.42 +/-)	262.58	REMOVE EXIST BRICK CATCH BASIN AND CAST IRON GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
ESTES STREET					
CB-23	E9+73.5 +/-	UNKNOWN	- - -	EXIST ROUND CATCH BASIN PER ECORDS TO REMAIN. IF FOUND, EXIST CAST IRON FRAME AND GRATE TO BE RESET. REMOVE EXIST CONCRETE RISER SECTI0N. FORM AND POUR NEW CONCRETE RISER SECTION. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.50
CB-24	E9+74 +/-	UNKNOWN	- - -	EXIST ROUND CATCH BASIN PER ECORDS TO REMAIN. IF FOUND, EXIST CAST IRON FRAME AND GRATE TO BE RESET. REMOVE EXIST CONCRETE RISER SECTI0N. FORM AND POUR NEW CONCRETE RISER SECTION. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.50
CB-25	E12+48	257.13 (251.93 +/-)	257.30	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31 S604.41
CB-26	E12+48.6	257.08 (252.08 +/-)	257.20	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	S604.31 S604.41
CB-27	E15+14.9	256.44 (251.04 +/-)	256.44	EXIST PREFORMED CATCH BASIN TO REMAIN. EXIST RETICULINE FRAME AND GRATE TO BE RESET. REMOVE EXIST CONCRETE RISER SECTI0N. FORM AND POUR NEW CONCRETE RISER SECTION. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.50

NUMBER	STATION	EXIST TOP OF GRATE (INVERT)	PROPOSED TOP OF GRATE (INVERT)	DISPOSITION	ITEM NUMBER
RUGGLES STREET					
CB-13	RF12+14	- - -	273.23 (269.73)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO NEW STORM WATER MANHOLE MH-14 WITH NEW 8" SDR21 PVC LATERAL PIPE. NEW STORM WATER MANHOLE INVERT 269.30.	R601.12 S604.31
CB-14	RF12+36.6	- - -	273.05 (270.55)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO NEW STORM WATER MANHOLE MH-14 WITH NEW 8" SDR21 PVC LATERAL PIPE. NEW STORM WATER MANHOLE INVERT 269.30.	R601.12 S604.31
FLEMING STREET					
CB-15	RF13+95	- - -	270.65 (268.15)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 263.30 +/-.	R601.1506 S604.31
CB-16	RF14+02	- - -	270.28 (266.78)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 263.00 +/-.	R601.1506 S604.31
CB-17	RF15+17	- - -	261.10 (258.10)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 257.45 +/-.	R601.1506 S604.31
CB-18	RF15+25.5	260.57 (257.17 +/-)	260.58	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-19	RF15+58.5	260.16 (256.58 +/-)	✳ 259.70	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-20	RF15+77.7	260.04 (257.57 +/-)	260.10	REMOVE EXIST PREFORMED CATCH BASIN AND RETICULINE GRATE. BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST LATERAL PIPE WITH NEW 8" SDR21 PVC LATERAL PIPE. CLEAN EXIST LATERAL PIPE.	R601.08 S604.31
CB-21	RF16+10	- - -	261.22 (258.22)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 257.60 +/-.	R601.1506 S604.31
CB-22	RF17+17	267.65 (264.15)	267.80 (264.30)	BUILD NEW TYPE B CATCH BASIN. CONNECT TO EXIST 12" VT STORM WATER SEWER WITH NEW 12" x 8" PVC WYE BRANCH AND NEW 8" SDR21 PVC LATERAL PIPE. EXIST SEWER INVERT 262.25 +/-.	R601.1506 S604.31
LAKE AVENUE					
CB-28	L9+29	277.63 (UNKNOWN)	277.63	EXIST PREFORMED CATCH BASIN TO REMAIN. EXIST RETICULINE FRAME AND GRATE TO BE RESET. REMOVE EXIST CONCRETE RISER SECTI0N. FORM AND POUR NEW CONCRETE RISER SECTION. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.50
LAKE ONTARIO BEACH PARK - CYAA BASEBALL FIELDS					
CB-29	RF10+48	263.65 (UNKNOWN)	- - -	EXIST PREFORMED CATCH BASIN TO REMAIN. NO WORK ANTICIPATED.	- - -
CB-30	H9+35	257.75 (254.05 +/-)	- - -	EXIST PREFORMED CATCH BASIN TO REMAIN. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.53
CB-31	H9+74	258.62 (256.92 +/-)	- - -	EXIST PREFORMED CATCH BASIN TO REMAIN. CLEAN EXIST CATCH BASIN AND LATERAL PIPE.	S604.53

NOTE: ✳ CB-6 THRU CB-8 HINCHER ST, CB-19 FLEMING ST: TOP OF GRATE ELEVATION IS TO BE DEPRESSED FROM THEORETICAL. TOP OF GRATE ELEVATION SHOWN IS PROPOSED DEPRESSED ELEVATION.

CONNECTION OF NEW LATERAL PIPE TO EXISTING LATERAL PIPE IS TO BE DONE WITH NEW FLEXIBLE RUBBER JOINT CONNECTOR WITH STAINLESS STEEL SHEAR RING AND STAINLESS STEEL SHEAR BANDS.

ITEM: R601.0208 - 8" POLYVINYL CHLORIDE PIPE, SDR21
R601.08 - LATERAL CONNECTION TO EXISTING LATERAL
R601.12 - LATERAL CONNECTION TO EXISTING MANHOLE
R601.1506 - 12" x 8" EXTRA-STRENGTH POLYVINYL CHLORIDE BRANCH AT EXISTING SEWER
S604.31 - TYPE B CATCH BASIN
S604.41 - ADDITIONAL DEPTH TYPE B CATCH BASIN
S604.50 - ADJUST EXISTING CATCH BASIN FRAME AND GRATE (INCLUDING EXCAVATION AND BACKFILL)
S604.53 - CLEAN EXISTING CATCH BASIN AND LATERAL PIPE
S604.560101 - ABANDON AND REMOVE EXISTING CATCH BASIN

STORM WATER SEWER MANHOLE

NUMBER	STATION	TOP OF COVER EXIST	TOP OF COVER PROPOSED	DISPOSITION	ITEM NUMBER
CORRIGAN STREET					
MH-2	C10+00.3	256.85	- - -	EXIST MANHOLE FRAME AND COVER TO REMAIN - NO WORK ANTICIPATED	- - -
MH-4	C12+88.6	268.90	268.70	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
HINCHER STREET					
MH-6	H10+61.3	261.48	260.75	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
MH-8	H13+30.8	257.72	257.34	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-12	H15+69.1	269.37	268.41	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
FLEMING STREET					
MH-14	RF12+46.3	- - -	273.30	BUILD NEW PRECAST MANHOLE WITH FRAME AND COVER PER MCPW DETAIL 2.01 (INVERT 269.30)	C604.044801
MH-16	RF12+76	273.62	273.11	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-18	RF15+52.5	260.46	259.99	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
MH-20	RF16+73.1	265.15	265.36	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-22	RF17+61.8	274.21	274.20	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63

NOTE: ADJUST TOP OF EXIST MANHOLE STRUCTURE AS NEEDED TO ACCOMMODATE FINISHED GRADE, INCLUSIVE OF REMOVING PORTION OF MANHOLE AS NEEDED; AND FURNISH AND INSTALL NEW PRE-CAST TOP SLAB, OR RE-CORBELLING BRICK CHIMNEY.

SANITARY SEWER MANHOLE

NUMBER	STATION	TOP OF COVER EXIST	TOP OF COVER PROPOSED	DISPOSITION	ITEM NUMBER
CORRIGAN STREET					
MH-1	C9+95.5	256.72	- - -	EXIST MANHOLE FRAME AND COVER TO REMAIN - NO WORK ANTICIPATED	- - -
MH-3	C10+98.5	260.18	260.05	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-5	C12+95.6	269.21	268.87	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
HINCHER STREET					
MH-7	H10+65.2	261.30	260.70	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
MH-9	H13+26.1	257.73	257.35	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-10	H14+31.2	260.01	258.93	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
MH-11	H15+73.7	269.41	268.67	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
RUGGLES STREET					
MH-13	RF10+03	- - -	276.10	BUILD NEW PRECAST MANHOLE WITH FRAME AND COVER PER MCPW DETAIL 2.01 (INVERT 268.10)	C604.7004 C604.7005
FLEMING STREET					
MH-15	RF12+45.1	- - -	273.23	BUILD NEW PRECAST MANHOLE WITH FRAME AND COVER PER MCPW DETAIL 2.01 (INVERT 267.23)	C604.7004
MH-17	RF12+81	273.64	273.17	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-19	RF15+46.2	260.43	260.10	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE WITH PRECAST TOP SLAB CAP PER MCPW DETAIL 2.04	S604.63
MH-21	RF16+67.8	264.84	264.85	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63
MH-23	RF17+67	274.63	274.60	REPLACE EXIST MANHOLE FRAME AND COVER, SET TO FINISHED GRADE	S604.63

NOTE: ADJUST TOP OF EXIST MANHOLE STRUCTURE AS NEEDED TO ACCOMMODATE FINISHED GRADE, INCLUSIVE OF REMOVING PORTION OF MANHOLE AS NEEDED; AND FURNISH AND INSTALL NEW PRE-CAST TOP SLAB, OR RE-CORBELLING BRICK CHIMNEY.

NEW MANHOLE, STRUCTURES COMPLETE WITH FRAME AND COVER, STEPS, AND TOP SLAB, WILL BE AS FURNISHED BY MCPW.

SANITARY LATERAL PIPE

ADDRESS	STATION	DISPOSITION	ITEM NUMBER
RUGGLES STREET			
83 LAKELAND	RF10+09 RT	INSTALL NEW 8"x4" PVC SDR35 WYE, 4" PVC SDR21 LATERAL PIPE AND CLEAN-OUT	C603.0104 C603.0208
82 LAKELAND	RF10+80 RT	INSTALL NEW 8"x4" PVC SDR35 WYE, 4" PVC SDR21 LATERAL PIPE AND CLEAN-OUT	C603.0104 C603.0208

NOTE: NEW PVC WYE BRANCH, LATERAL PIPE AND CLEAN-OUT WILL BE AS FURNISHED BY MCPW.

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CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

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SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TABLES

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OF
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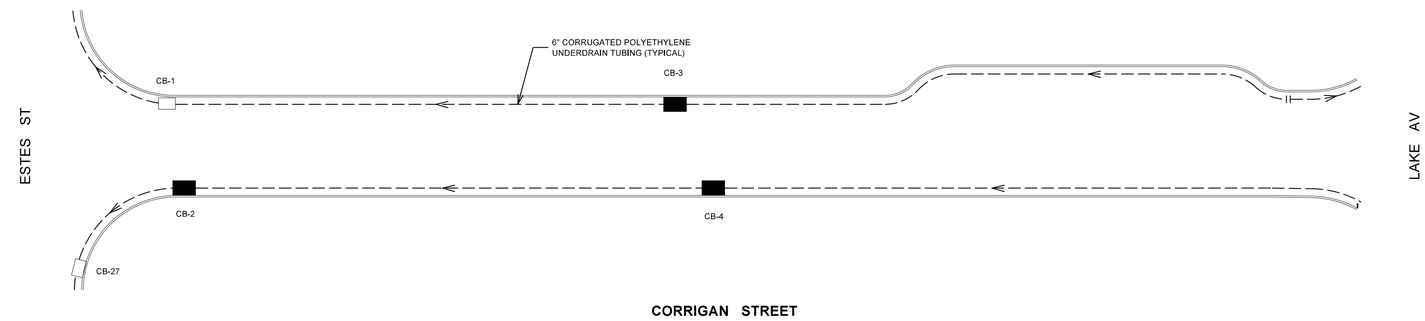

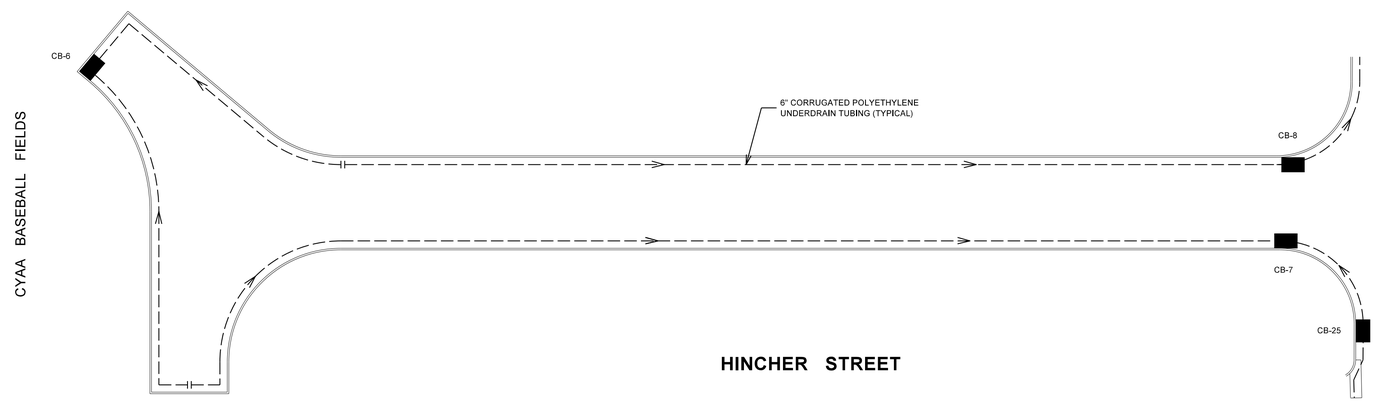

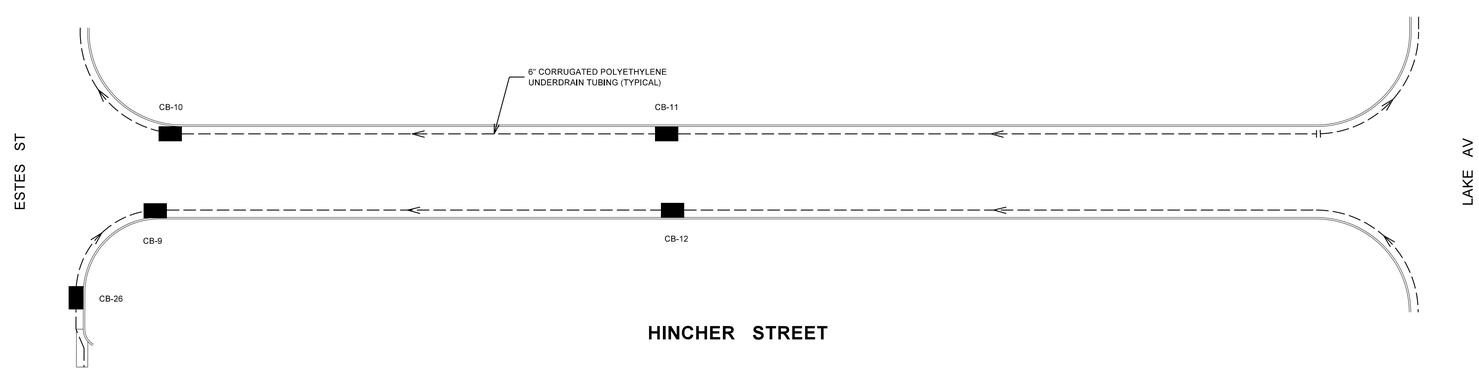

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DRAWING TITLE
UNDERDRAIN
SCHEMATICS

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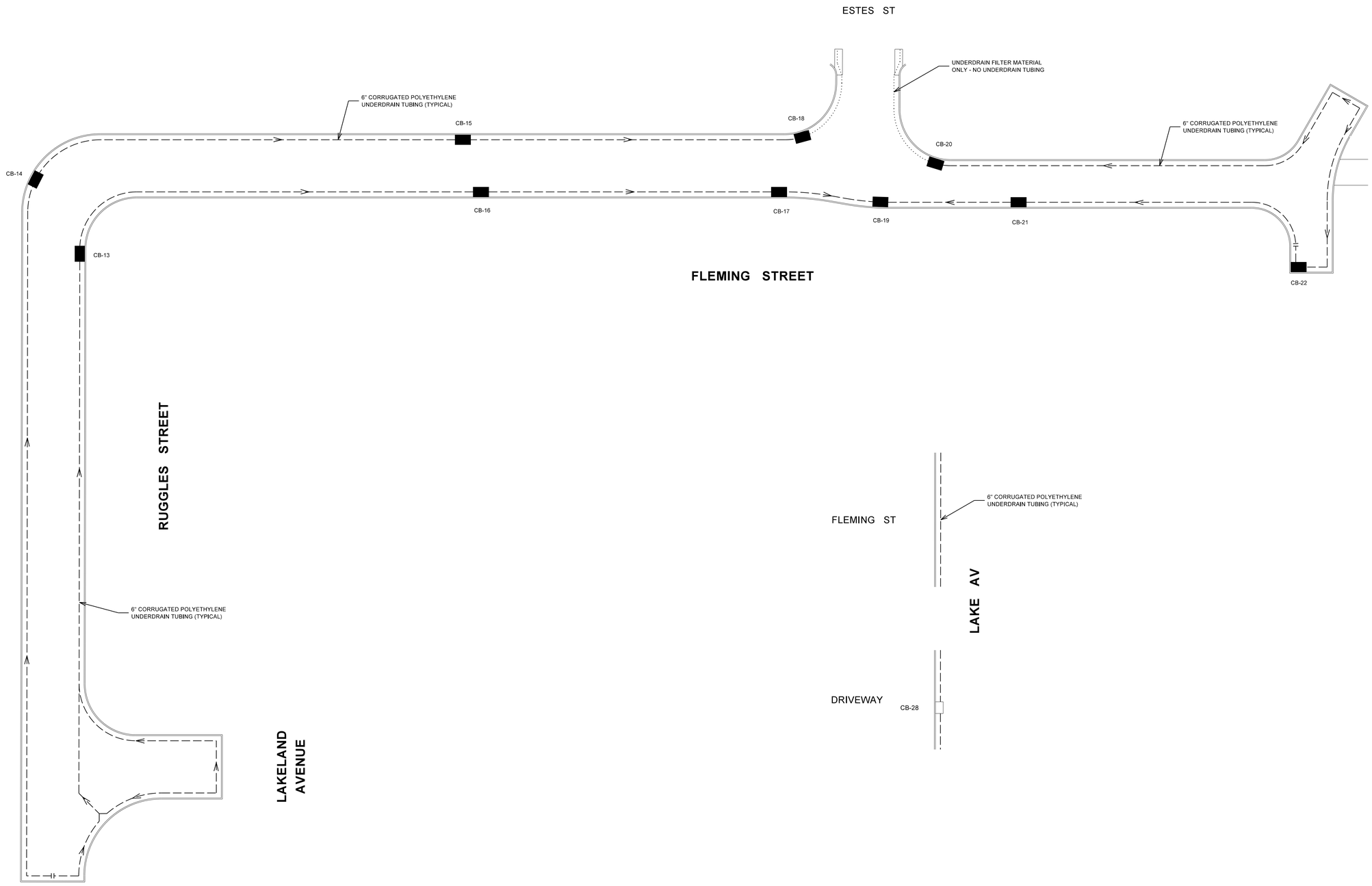
OF 50



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13
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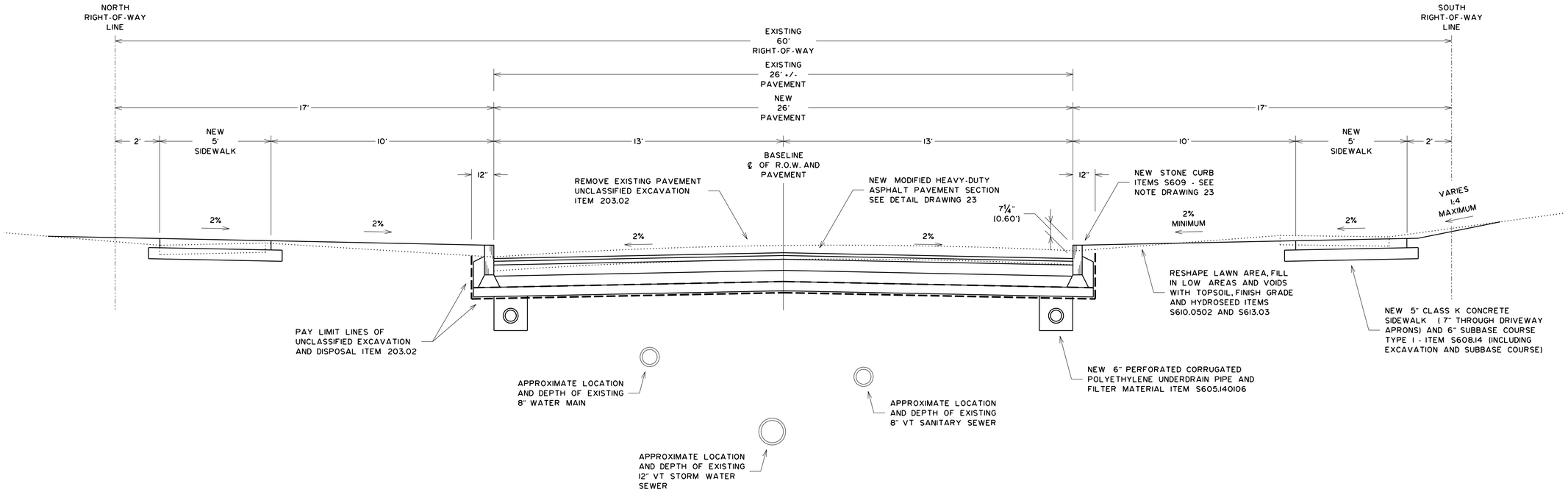
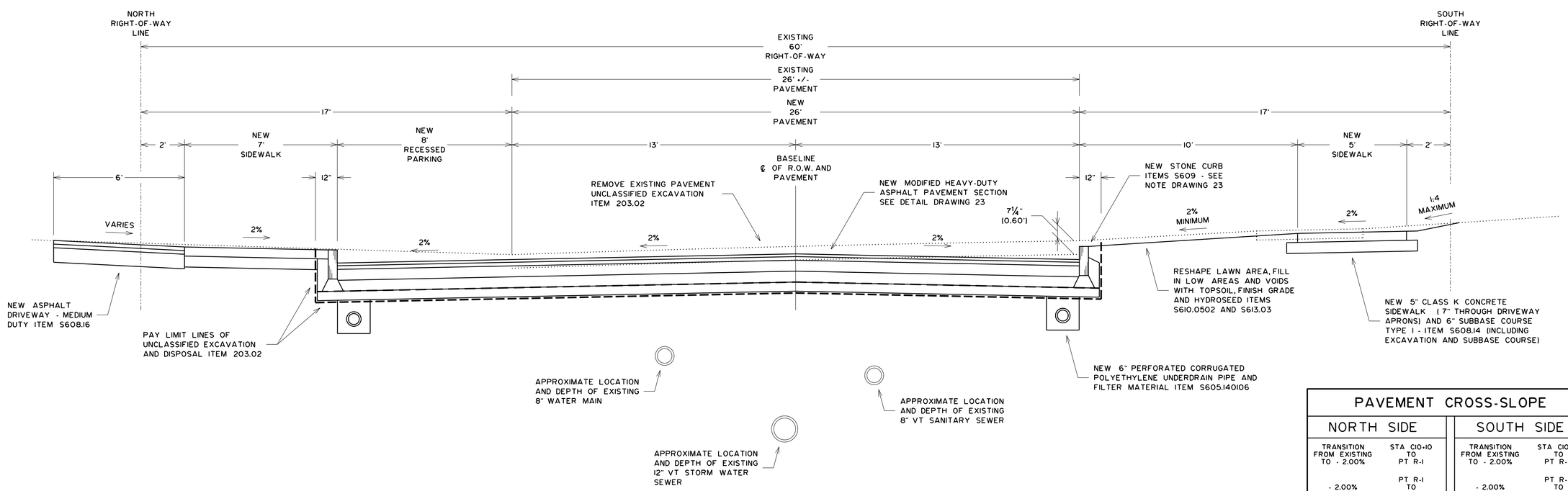


CORRIGAN STREET
ESTES STREET TO STATION C12+20.00



CORRIGAN STREET
STATION C12+20.00 TO LAKE AVENUE

PAVEMENT CROSS-SLOPE

NORTH SIDE		SOUTH SIDE	
TRANSITION FROM EXISTING TO - 2.00%	STA C10+10 TO PT R-1	TRANSITION FROM EXISTING TO - 2.00%	STA C10+10 TO PT R-2
- 2.00%	PT R-1 TO PC R-7	- 2.00%	PT R-2 TO STA C12+90
TRANSITION FROM - 2.00% TO EXISTING	PC R-7 TO STA C13+50	TRANSITION FROM - 2.00% TO EXISTING	STA C12+90 TO STA C13+50

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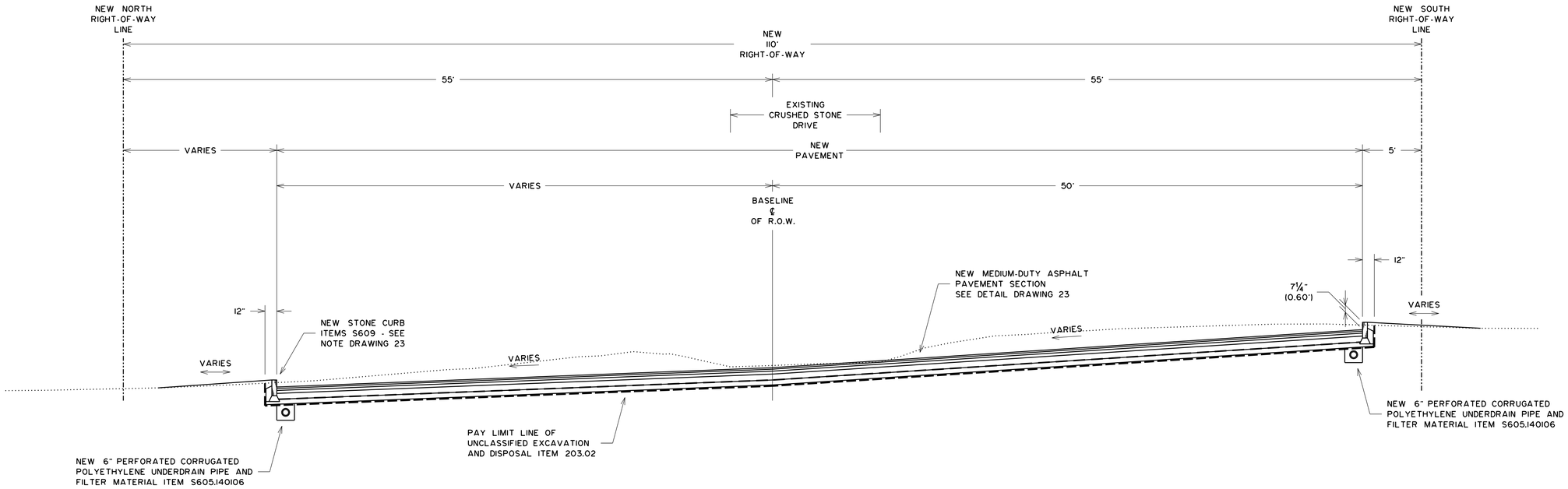
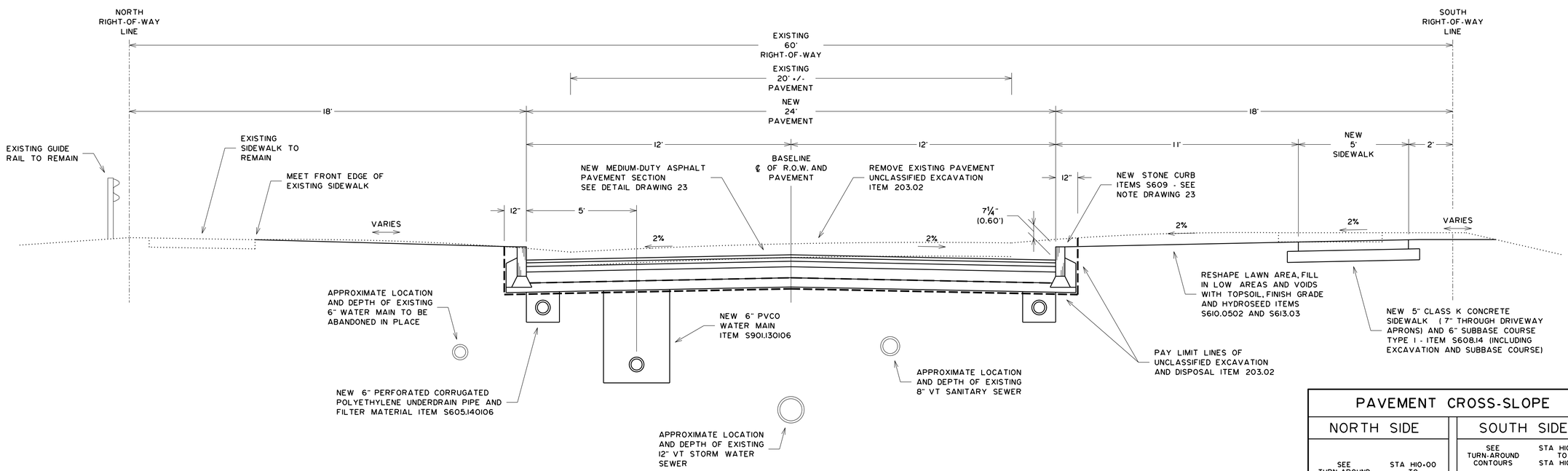
DRAWING TITLE
TYPICAL SECTION
CORRIGAN STREET

DRAWING NO. 14 OF 50



HINCHER STREET
STATION H10-00.00 TO STATION H10+50.00



HINCHER STREET
STATION H10+50.00 TO ESTES STREET

PAVEMENT CROSS-SLOPE

NORTH SIDE		SOUTH SIDE	
SEE TURN-AROUND CONTOURS	STA H10+00 TO STA H10+50	SEE TURN-AROUND CONTOURS	STA H10+00 TO STA H10+60
- 2.00%	STA H10+50 TO PC R-12	TRANSITION FROM FLAT TO - 2.00%	STA H10+60 TO STA H10+90
TRANSITION FROM - 2.00% TO ESTES ST GRADE - 1.66%	PC R-12 TO STA H13+30	- 2.00%	STA H10+90 TO PC R-13
		TRANSITION FROM - 2.00% TO ESTES ST GRADE + 0.43%	PC R-13 TO STA H13+30

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HINCHER STREET

DRAWING NO.
15
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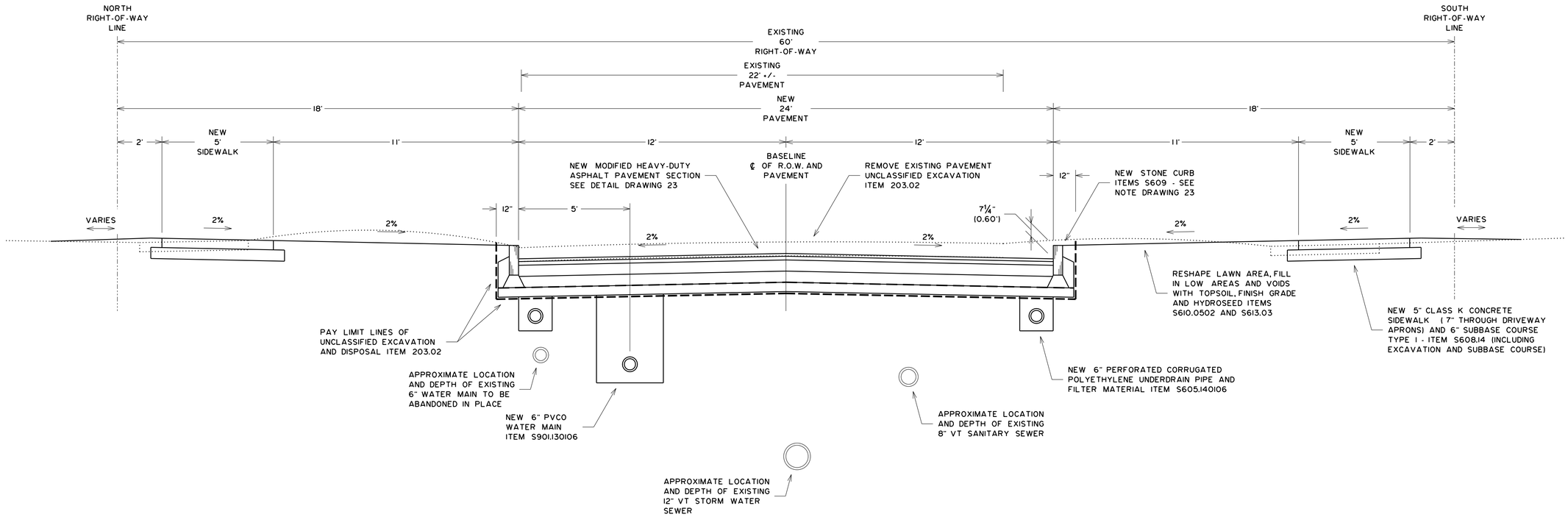
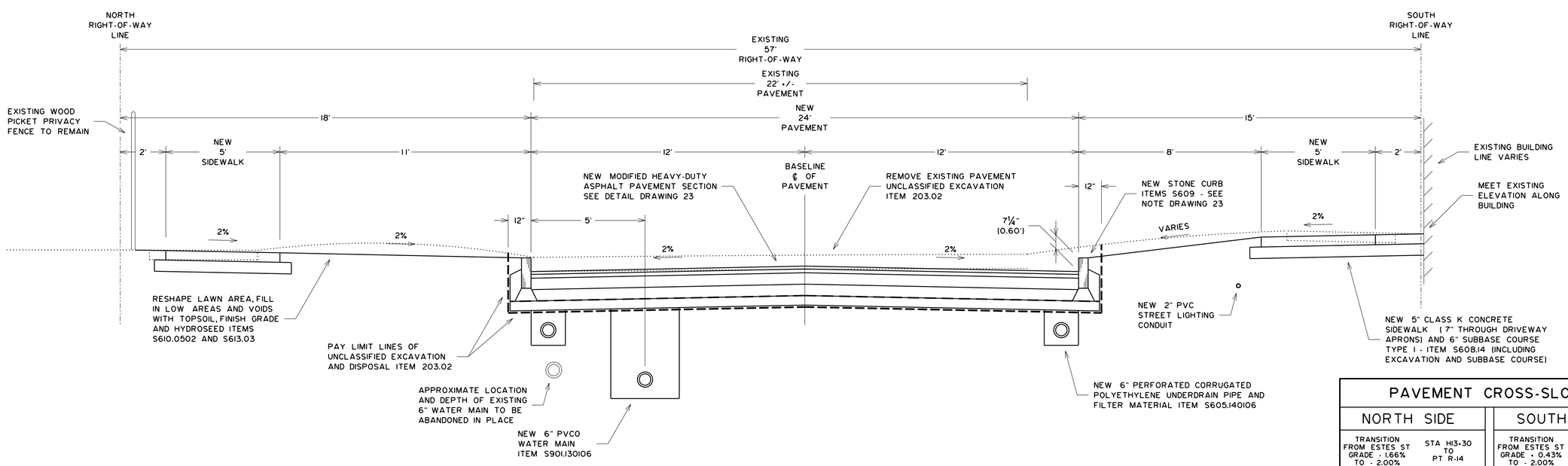
50



HINCHER STREET
ESTES STREET TO STATION H15+60.00



HINCHER STREET
STATION H15+60.00 TO LAKE AVENUE

PAVEMENT CROSS-SLOPE

NORTH SIDE		SOUTH SIDE	
TRANSITION FROM ESTES ST GRADE - 1.66% TO - 2.00%	STA H13+30 TO PT R-14	TRANSITION FROM ESTES ST GRADE - 0.43% TO - 2.00%	STA H13+30 TO PT R-15
- 2.00%	PT R-14 TO PC R-16	- 2.00%	PT R-15 TO STA H16+40
TRANSITION FROM - 2.00% TO EXISTING	PC R-16 TO STA H16+92.5	TRANSITION FROM - 2.00% TO EXISTING	STA H16+40 TO STA H16+92.5

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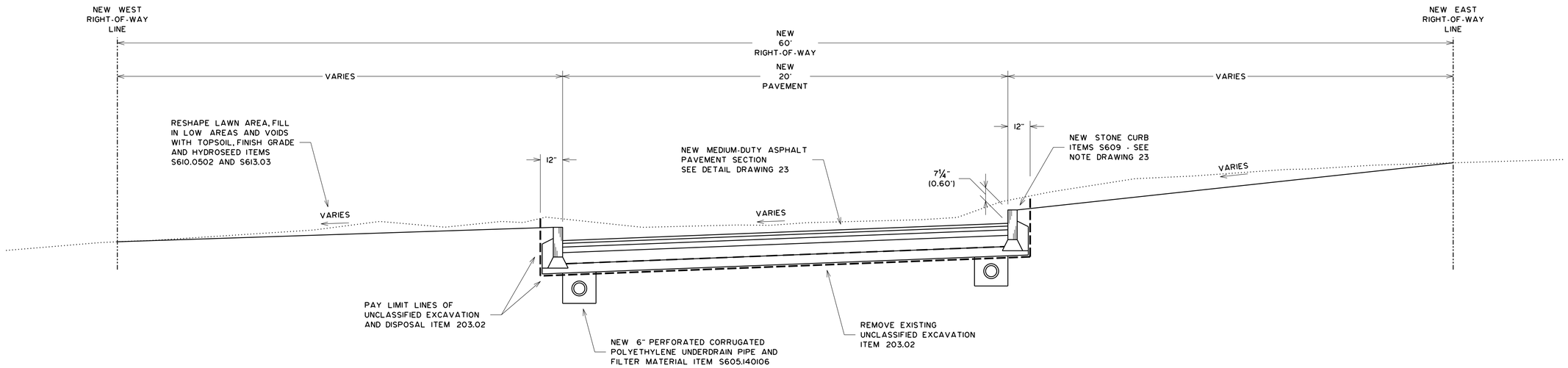
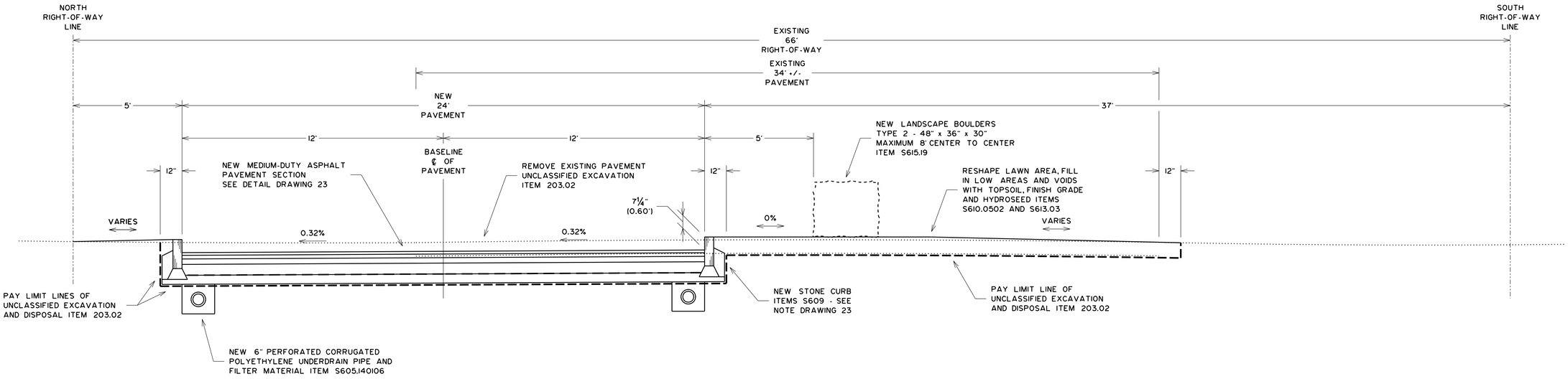
DRAWING TITLE
TYPICAL SECTION
HINCHER STREET

DRAWING NO. 16 OF 50



HINCHER STREET
TURN-AROUND CROSS-SECTION



LAKELAND AVENUE
RUGGLES STREET TO STATION L10+65.00

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DRAWING TITLE
TYPICAL SECTION
HINCHER STREET
TURN-AROUND
LAKELAND AVENUE

DRAWING NO.
17
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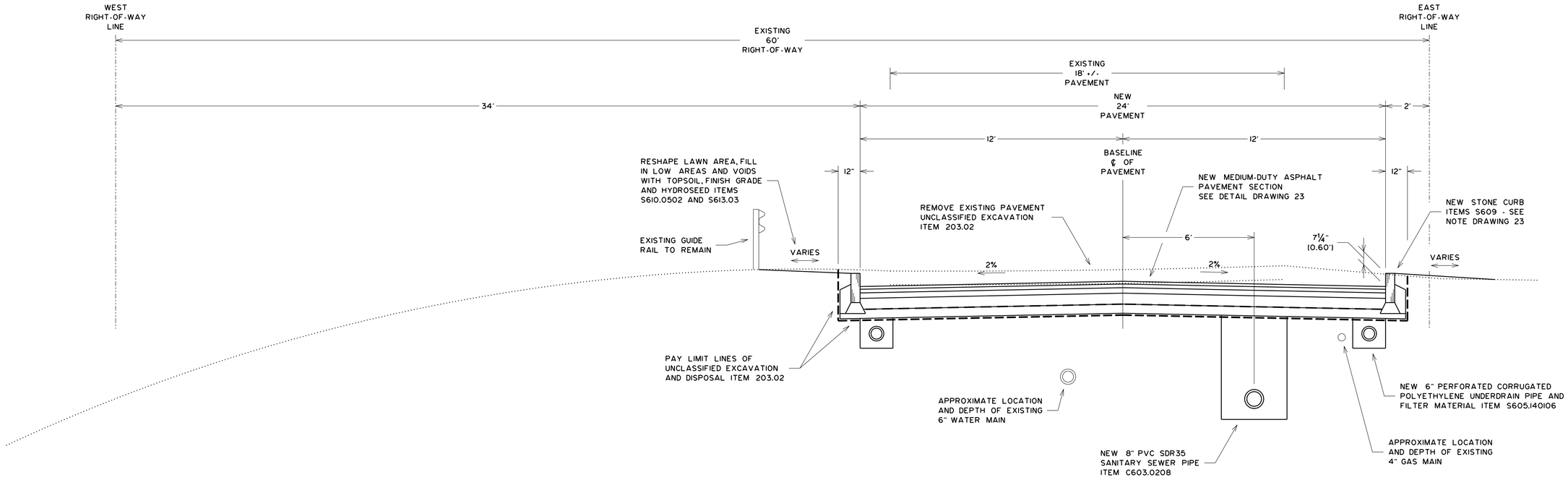
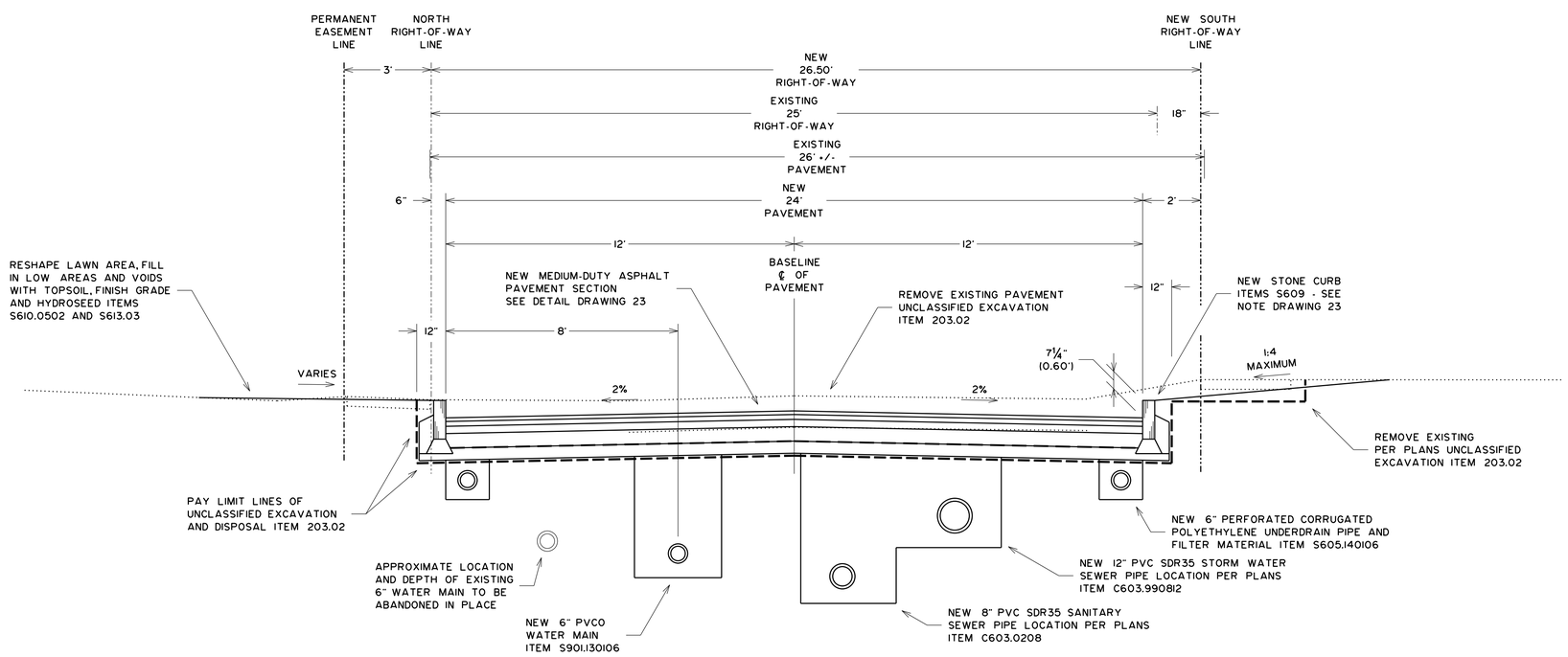
50



RUGGLES STREET
SOUTH END TO FLEMING STREET



FLEMING STREET
RUGGLES STREET TO STATION RF12+80

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J. GIGLIO, P.E.
CITY ENGINEER JAMES R. McINTOSH, P.E.

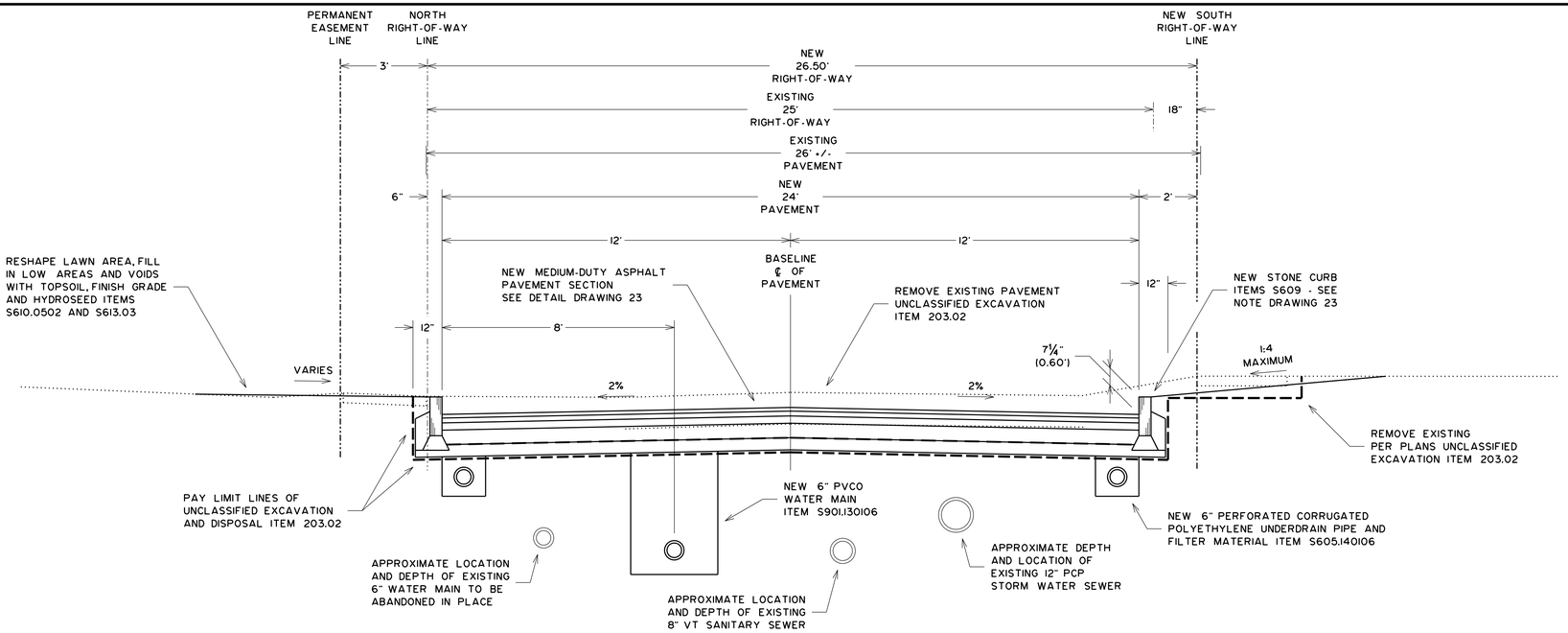
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

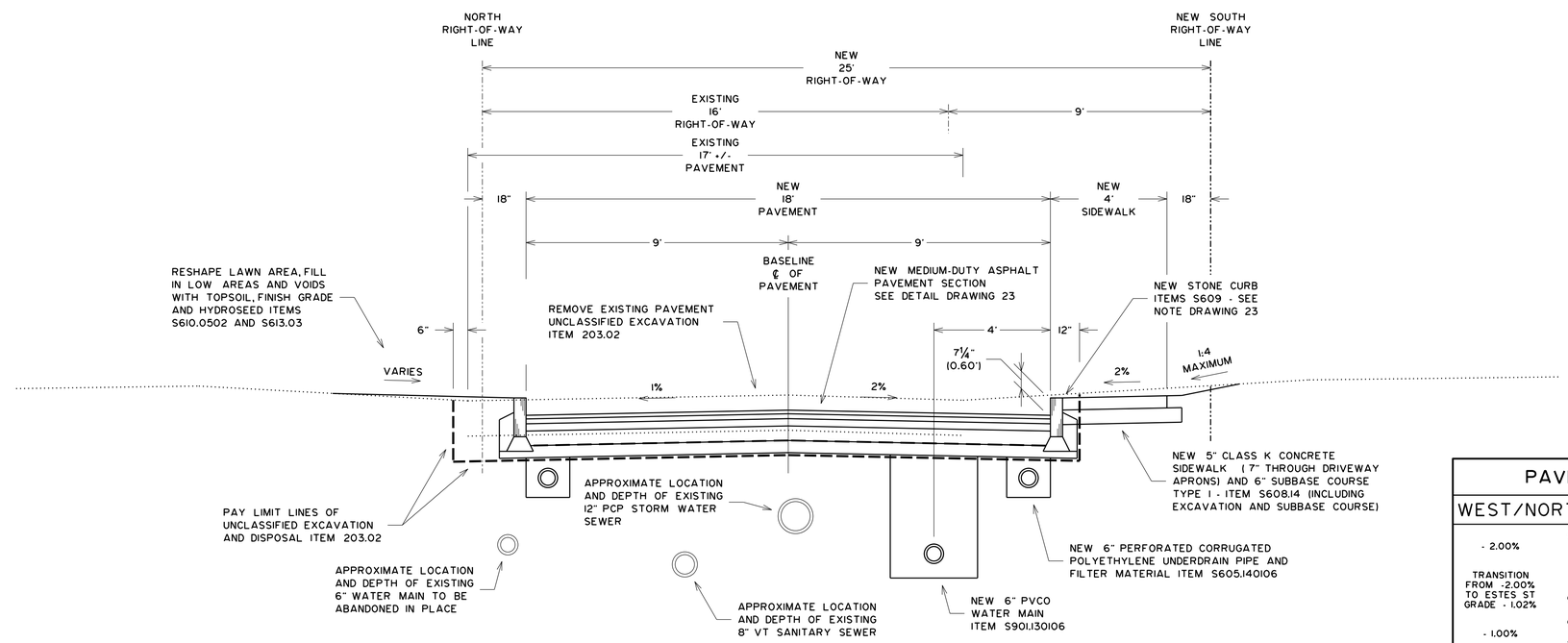
ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TYPICAL SECTION
RUGGLES STREET
FLEMING STREET

DRAWING NO.
18
OF
50



FLEMING STREET
STATION RF12+80 TO ESTES STREET



FLEMING STREET
ESTES STREET TO STATION RF17+00.00

PAVEMENT CROSS-SLOPE

WEST/NORTH SIDE		EAST/SOUTH SIDE	
- 2.00%	STA RF9+74 TO PC R-22	- 2.00%	STA RF9+74 TO EAST CURBLINE
TRANSITION FROM -2.00% TO ESTES ST GRADE - 1.02%	PC R-22 TO ℄ ESTES ST		
- 1.00%	℄ ESTES ST TO STA RF16+50		
TRANSITION FROM -1.00% TO +2.00%	STA RF16+50 TO STA RF17+05		
+ 2.00%	STA RF17+05 TO EAST CURBLINE		

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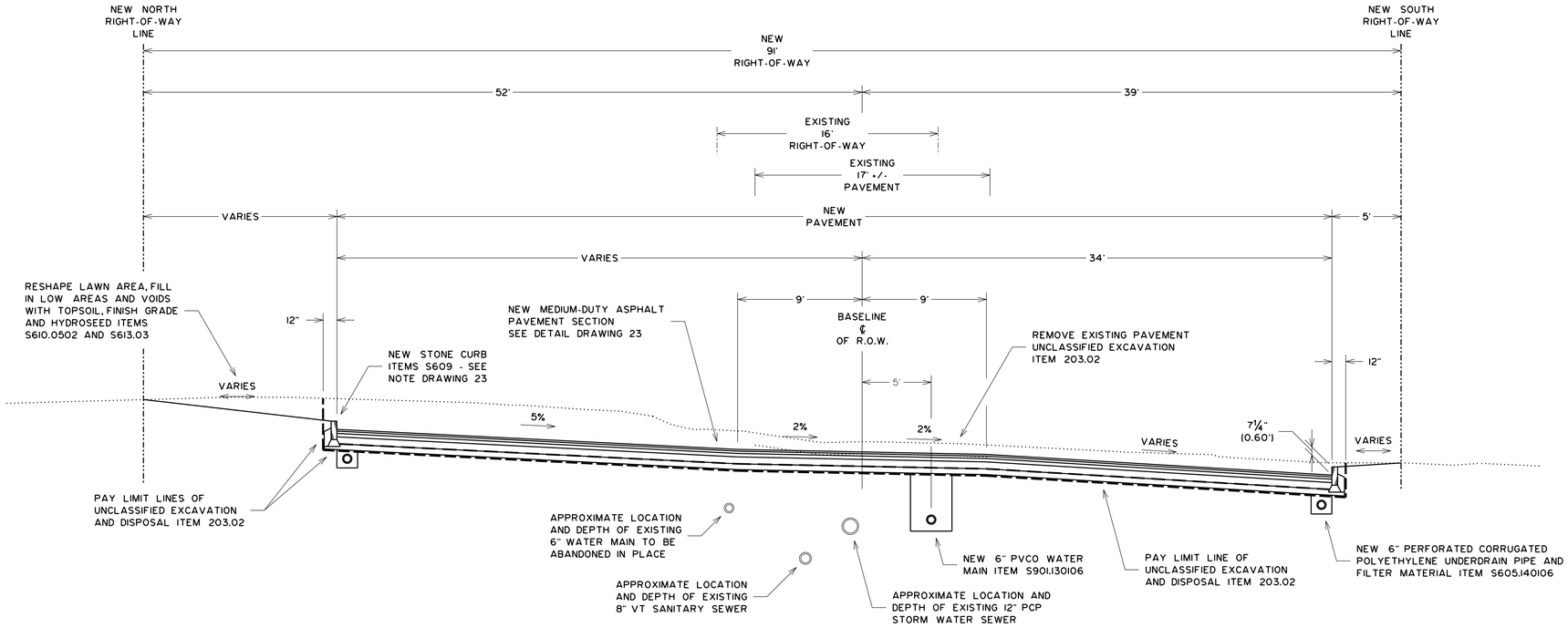
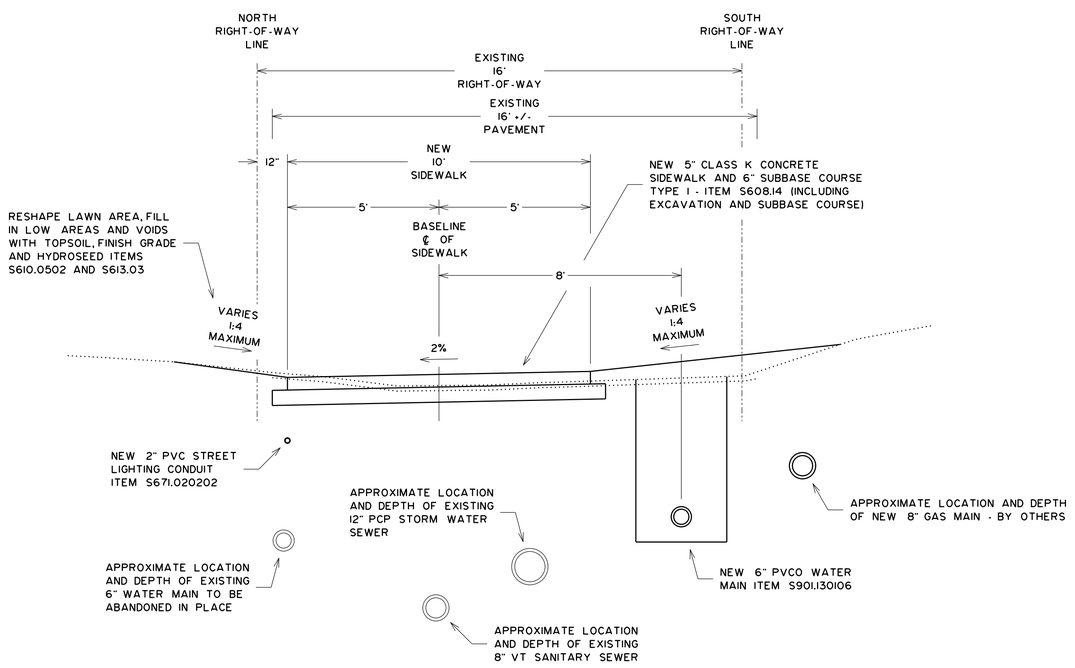
DRAWING TITLE
TYPICAL SECTION
FLEMING STREET

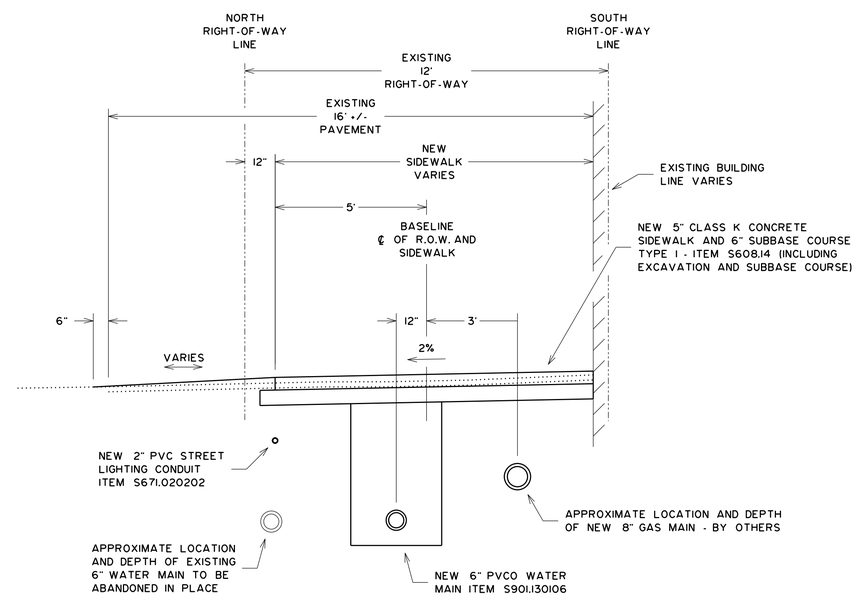
DRAWING NO.
19
OF
50



FLEMING STREET
STATION RF17+00.00 TO STATION RF17+31.40



FLEMING STREET
STATION RF17+36.70 TO STATION RF17+86.30



FLEMING STREET
STATION RF17+86.30 TO STATION RF18+89.50

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

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PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

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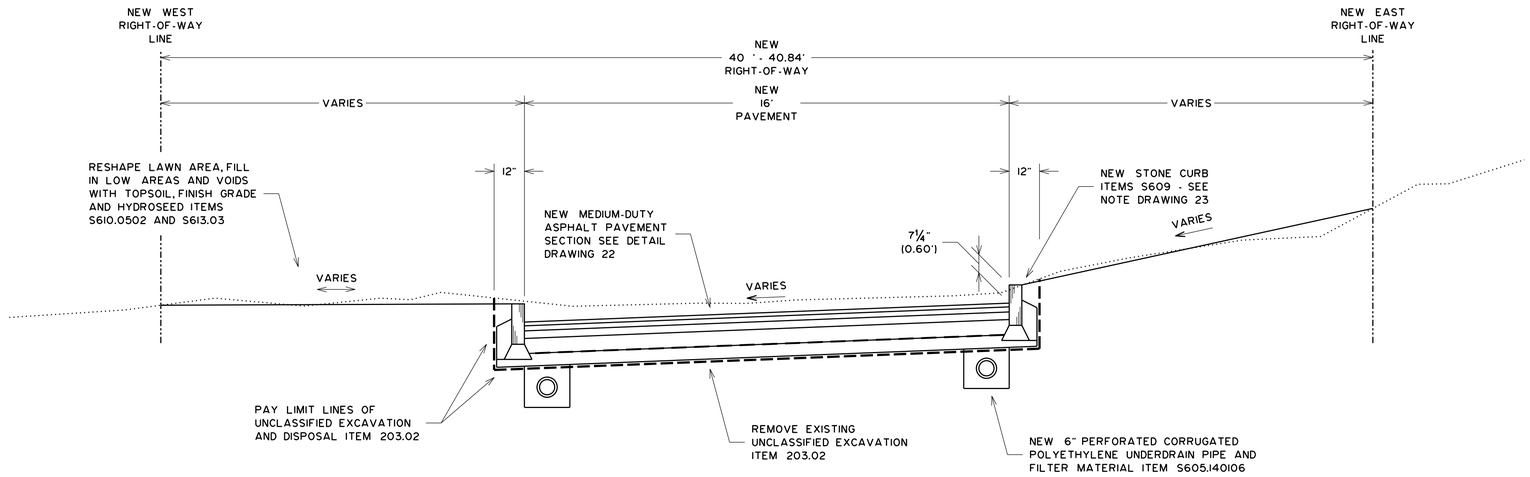
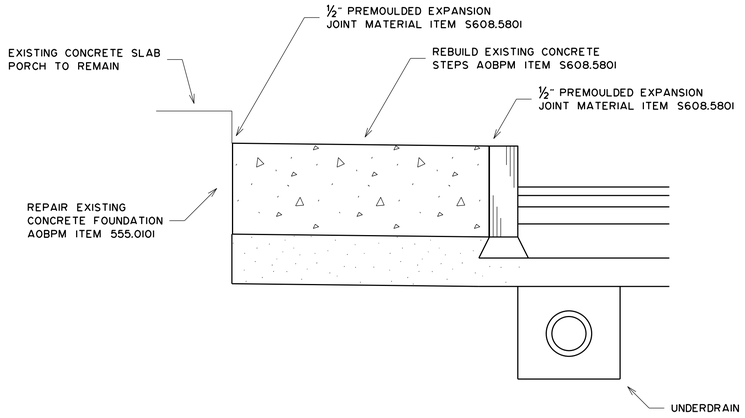
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TYPICAL SECTION
FLEMING STREET

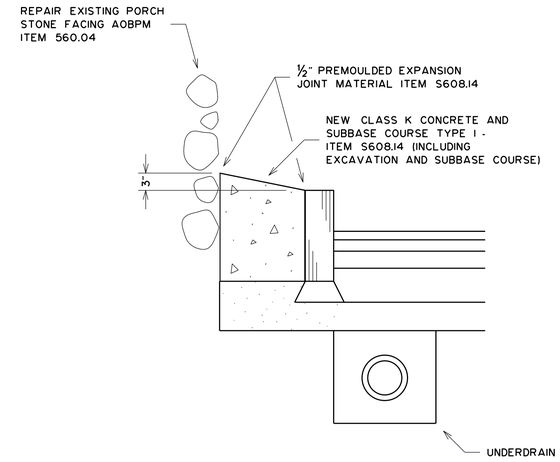
DRAWING NO.
20
OF
50



FLEMING STREET
TURN-AROUND CROSS-SECTION



54 FLEMING STREET
CROSS-SECTION
STATION RF14+89 TO STATION 15+01.5



22 FLEMING STREET
CROSS-SECTION
STATION RF16+78 TO STATION 17+05

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

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PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

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ISSUED JUNE 1, 2015
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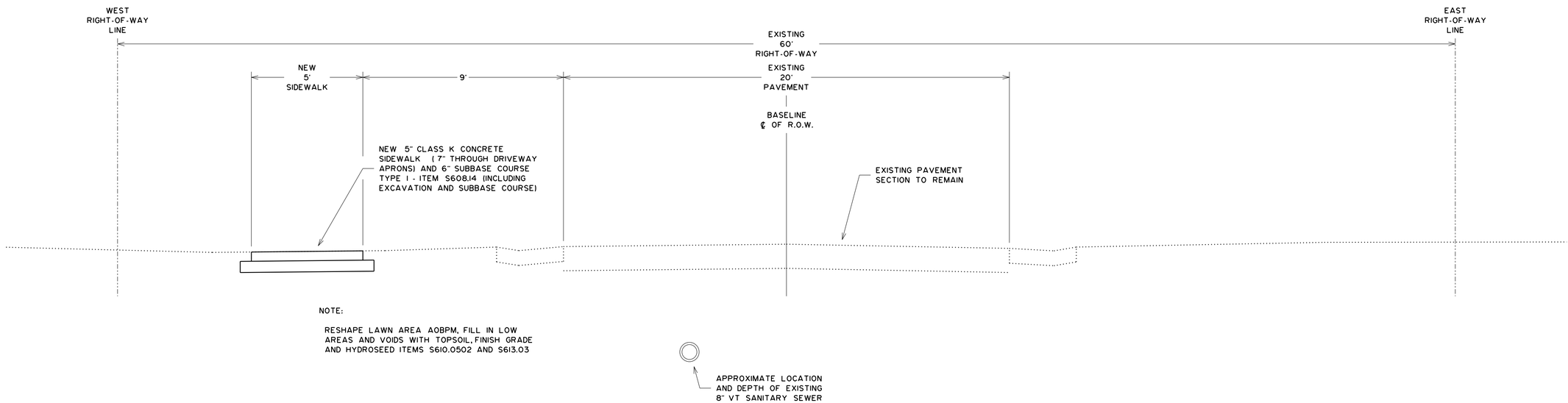
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
CROSS SECTION
FLEMING STREET
TURN-AROUND
PORC HES AT 54 AND
22 FLEMING STREET

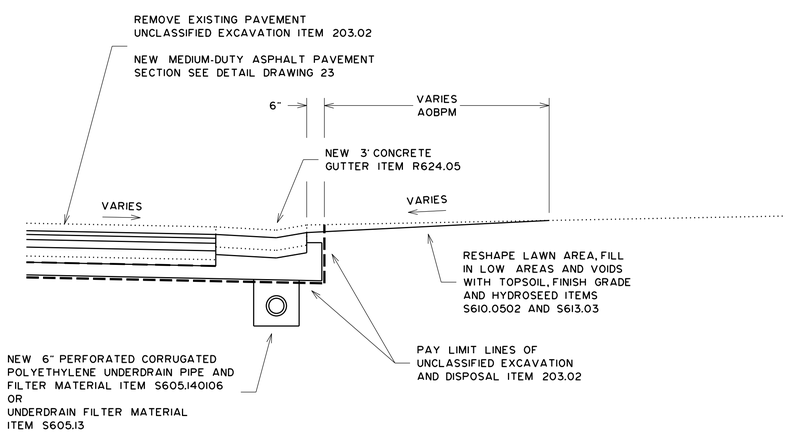
DRAWING NO.
21
OF
50



NOTE:

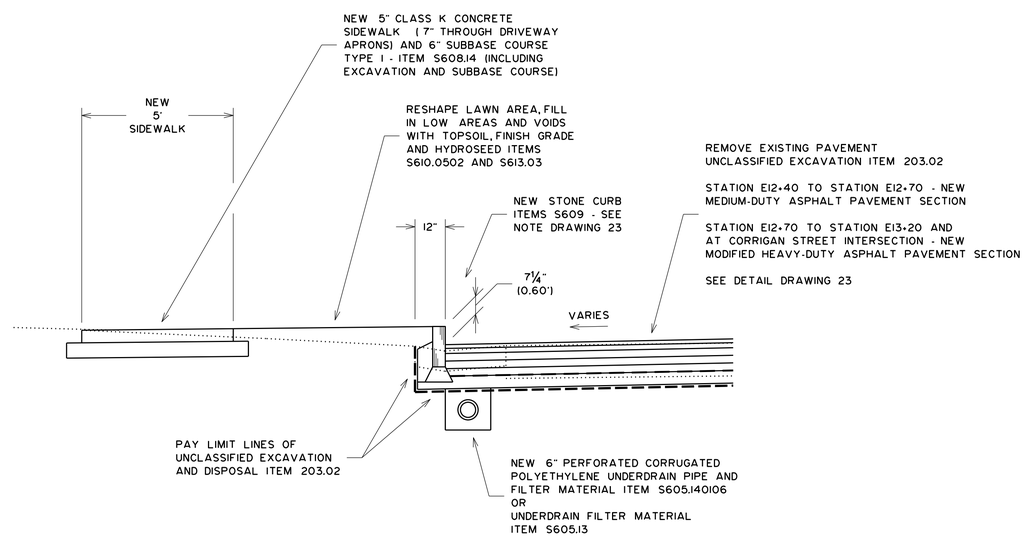
RESHAPE LAWN AREA AOBPM, FILL IN LOW AREAS AND VOIDS WITH TOPSOIL, FINISH GRADE AND HYDROSEED ITEMS S610.0502 AND S613.03

ESTES STREET
STATION E10+45 TO STATION E12+30



CONCRETE GUTTER

ESTES STREET
STATION E10+35 TO STATION E10+45
STATION E12+30 TO STATION E12+40



CURB

ESTES STREET
STATION E12+40 TO STATION E13+20

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City of Rochester, New York

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PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

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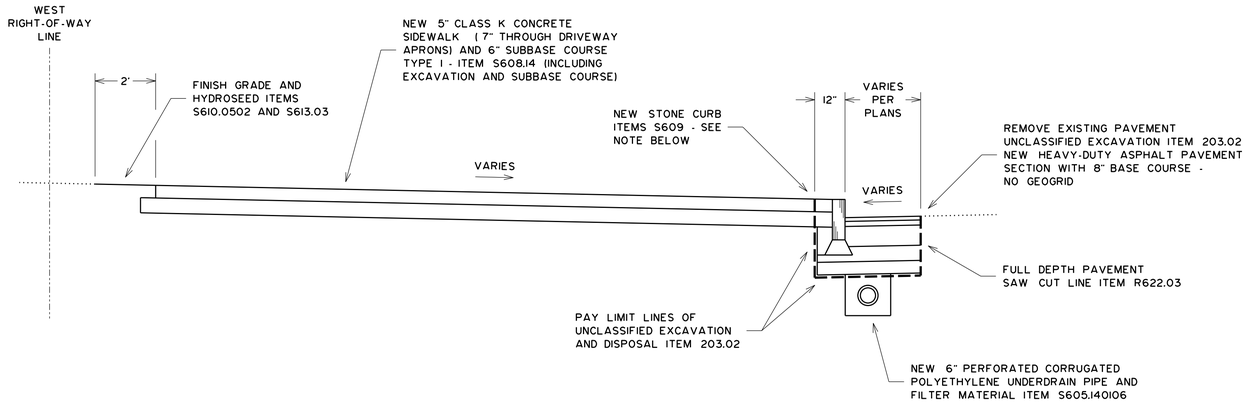
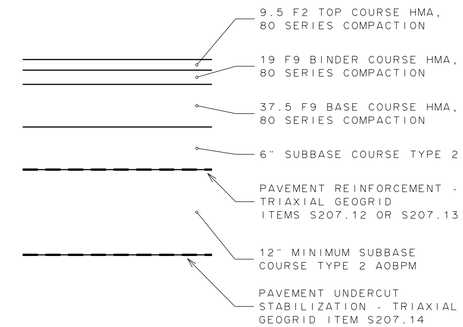
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TYPICAL SECTION
ESTES STREET

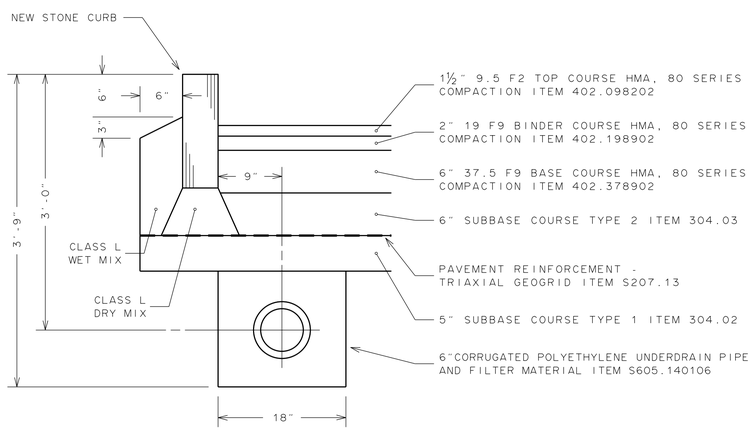
DRAWING NO.
22
OF
50



LAKE AVENUE



TYPICAL PAVEMENT
UNDERCUT STABILIZATION DETAIL

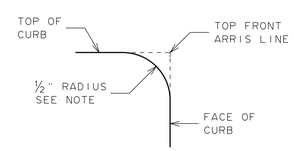


TYPICAL RECONSTRUCTION DETAIL
GEOGRID REINFORCED
MODIFIED HEAVY-DUTY PAVEMENT SECTION
STONE CURB AND UNDERDRAIN INSTALLATION

CORRIGAN STREET (ESTES ST TO LAKE AV)
ESTES STREET (HINCHER ST TO CORRIGAN ST)
HINCHER STREET (ESTES ST TO LAKE AV)

GENERAL CURB NOTES:

1. CURB THICKNESS IS TO BE EITHER 4 OR 5 INCHES.
2. CURB REVEAL FOR HEADER CURB AT DRIVEWAY APRONS IS 1½ INCHES, AT SIDEWALK ACCESS RAMPS 0 INCHES.
3. TACK COAT TO BE APPLIED BETWEEN ALL LIFTS OF HMA COURSES AND ON TOP OF CONCRETE BASE ITEM S407.0201.
4. PAVEMENT SEAMS TO BE SEALED WITH BITUMINOUS SEALER IN ACCORDANCE WITH NYSDOT MATERIAL DESIGNATION 702-0700 ITEM 402.098202.



NOTE:

ONLY TRANSTION AND HEADER CURB PIECES USED FOR DRIVEWAYS ARE TO BE ROUNDED.

CURB DETAIL FOR DRIVEWAY APRONS

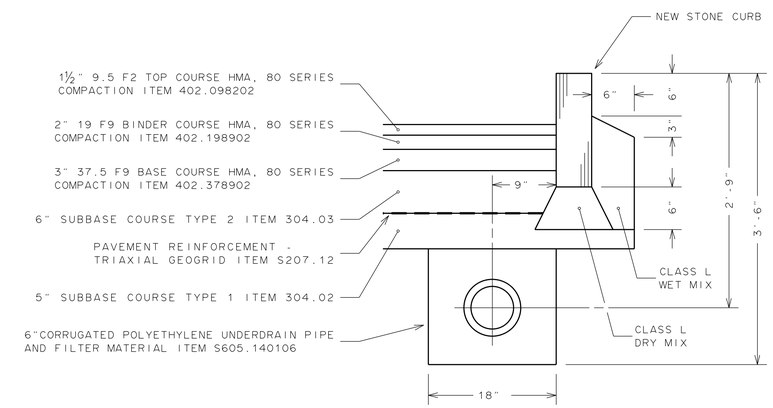
NEW STONE CURB - ADD ALTERNATES 1 AND 2

NEW STONE CURB WILL BE BID AS AN ADD ALTERNATE.

ADD ALTERNATE WILL DETERMINE WHETHER WIDTH OF NEW STONE CURB WILL 4" OR 5".

WIDTH OF NEW STONE CURB ON LAKE AVENUE, INCLUDING CURB RADII AT LAKE AND CORRIGAN, AND LAKE AND HINCHER, WILL BE 5".

WIDTH OF ALL OTHER NEW STONE CURB WILL BE EITHER 4" OR 5", DEPENDING UPON WHICH ADD ALTERNATE IS SELECTED.



TYPICAL RECONSTRUCTION DETAIL
GEOGRID REINFORCED
MEDIUM-DUTY PAVEMENT SECTION
STONE CURB AND UNDERDRAIN INSTALLATION

ESTES STREET (FLEMING ST TO HINCHER ST)
FLEMING STREET
HINCHER STREET (WEST END TO ESTES ST)
LAKELAND AVENUE
RUGGLES STREET

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

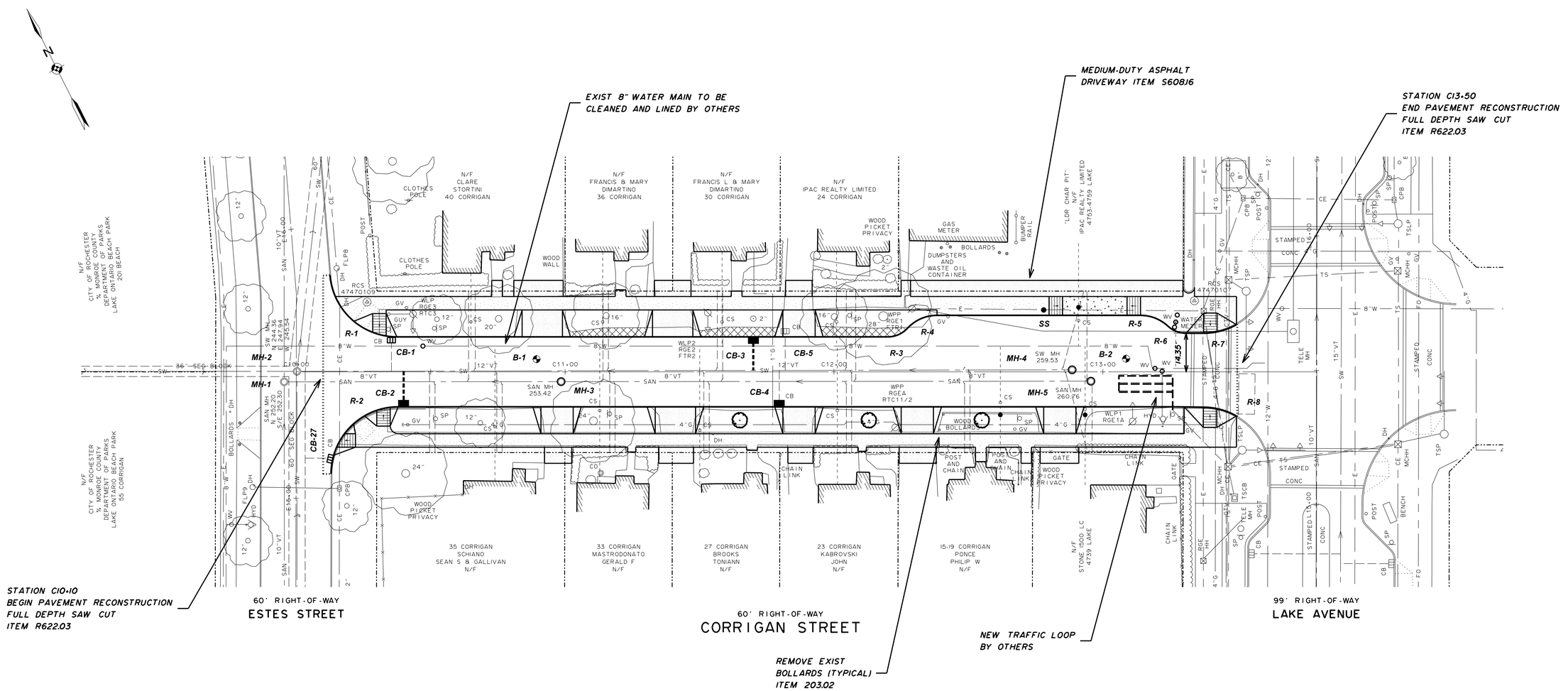
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TYPICAL SECTION
LAKE AVENUE
DETAILS
CURB, PAVEMENT
AND UNDERDRAIN

DRAWING NO.
23
OF
50



CURB RADIUS DATA

NUMBER	R-1	R-2	R-3	R-4	R-5	R-6	R-7	R-8
RADIUS	25'	25'	10'	15'	15'	10'	25'	25'
DELTA	85^19'08"	89^54'00"	47^09'23"	47^09'23"	42^46'38"	42^46'38"	29^13'56"	29^37'03"
TANGENT	23.04'	24.96'	4.36'	6.55'	5.87'	3.92'	5.52'	6.61'
LENGTH	37.23'	39.23'	8.23'	12.35'	11.20'	7.47'	12.75'	12.92'
STATION OFFSET	PT C10+37.42 13.00' LT	PT C10+37.93 13.00' RT	PC C12+20.00 13.00' LT	PT C12+38.33 21.00' LT	PC C13+14.00 21.00' LT	PT C13+30.98 14.35' LT	PC C13+37.49 14.35' LT	PC C13+37.37 13.15' RT
ELEVATION	PC MEET EXISTING PT 257.66 C 257.06 G	PC MEET EXISTING PT 257.68 C 257.08 G	PC 266.44 C 265.84 G PRC 266.70 C 266.10 G	PRC 266.70 C 266.10 G PT 267.05 C 266.45 G	PC 269.51 C 268.91 G PRC 269.65 C 269.05 G	PRC 269.65 C 269.05 G PT 269.68 C 269.08 G	PC 269.62 C 269.02 G PT MEET EXISTING	PC 270.12 C 269.52 G PT MEET EXISTING

20 0 20 40 60
SCALE IN FEET

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

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CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

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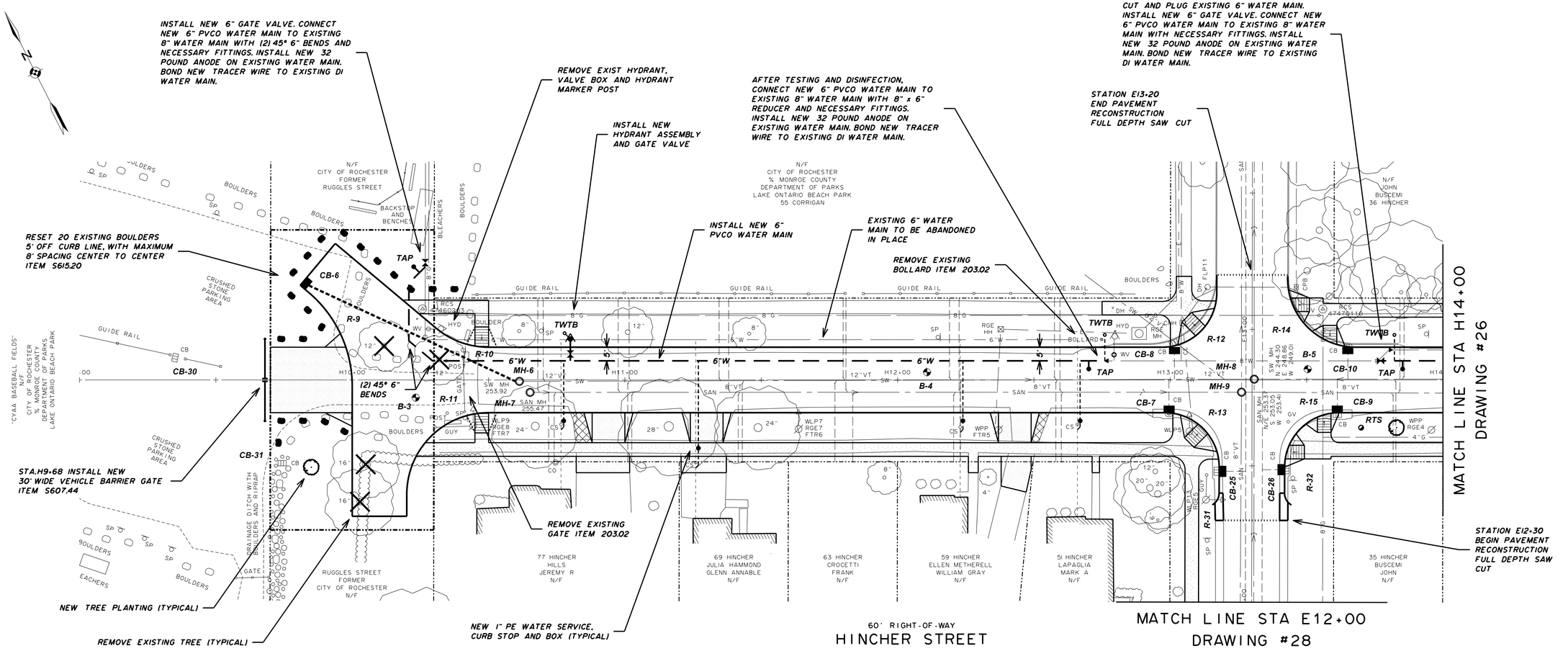
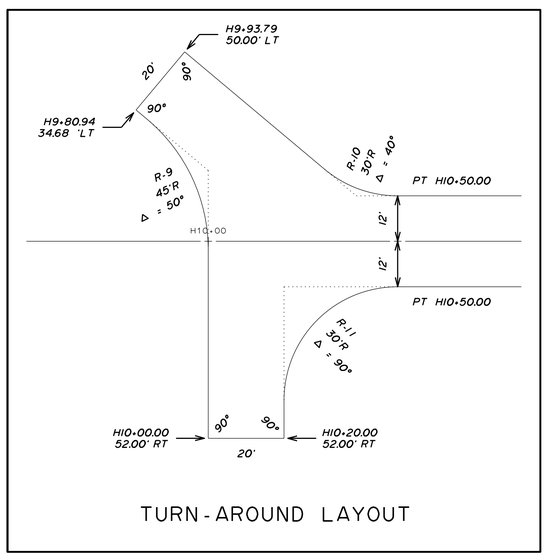
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE 1" = 20'
PROJECT NUMBER 12109

DRAWING TITLE
PLAN
CORRIGAN STREET
ESTES STREET TO
LAKE AVENUE

DRAWING NO.
24
OF
50





TURN-AROUND LAYOUT

WATER NOTES

AFTER NEW WATER MAIN HAS BEEN INSTALLED AND TESTED, EXPOSE ALL WATER MAIN JOINTS FROM STATION H10+60 TO H12+76 AND H13+76 TO H15+50, AND ENCASE JOINTS WITH CONTROLLED DENSITY FILL

EXPOSE ALL WATER MAIN JOINTS ON PORTION OF EXISTING 8" DI WATER MAIN FROM STATION H12+76 TO H13+76, AND INSTALL NEW 32 POUND ANODES (10 TOTAL) AND JOINT BONDS (6 TOTAL) ON EXISTING JOINTS

CURB RADIUS DATA

NUMBER	R-9	R-10	R-11	R-12	R-13	R-14	R-15	R-31	R-32
RADIUS	45'	30'	30'	20'	20'	25'	20'	5'	5'
DELTA	50^00'00"	40^00'00"	90^00'00"	89^54'00"	90^06'00"	90^06'00"	89^54'00"	60^00'00"	60^00'00"
TANGENT	20.98'	10.92'	30.00'	19.97'	20.03'	25.04'	19.97'	2.89'	2.89'
LENGTH	39.27'	20.94'	47.12'	31.38'	31.45'	39.31'	31.38'	5.24'	5.24'
STATION OFFSET	PT H10+00.00 2.30' RT	PT H10+50.00 12.00' LT	PT H10+50.00 12.00' RT	PC H12+97.06 12.00' LT	PC H12+97.95 12.00' RT	PT H13+68.07 12.00' LT	PT H13+61.95 12.00' RT	PT E12+40.00 12.00' LT	PT E12+40.00 12.00' RT
ELEVATION	PC 258.70 C 258.10 G PT 260.60 C 260.00 G	PC 260.40 C 259.80 G PT 261.10 C 260.50 G	PC 262.70 C 262.10 G PT 261.45 C 260.85 G	PC 257.64 C 257.00 G PT 257.00 C 256.40 G	PC 257.64 C 257.00 G PT 257.88 C 257.20 G	PT 257.99 C 257.39 G PC MEET EXISTING	PT 257.93 C 257.33 G PC 257.78 C 257.18 G	PT 257.85 C 257.25 G PC MEET GROUND	PT 257.80 C 257.20 G PC MEET GROUND

NOTE: GUTTER ELEVATIONS FOR R-12 AND R-13 FALL WITHIN DEPRESSED AREA FOR CATCH BASIN.

20 0 20 40 60
SCALE IN FEET

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CITY ENGINEER JAMES R. McINTOSH, P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

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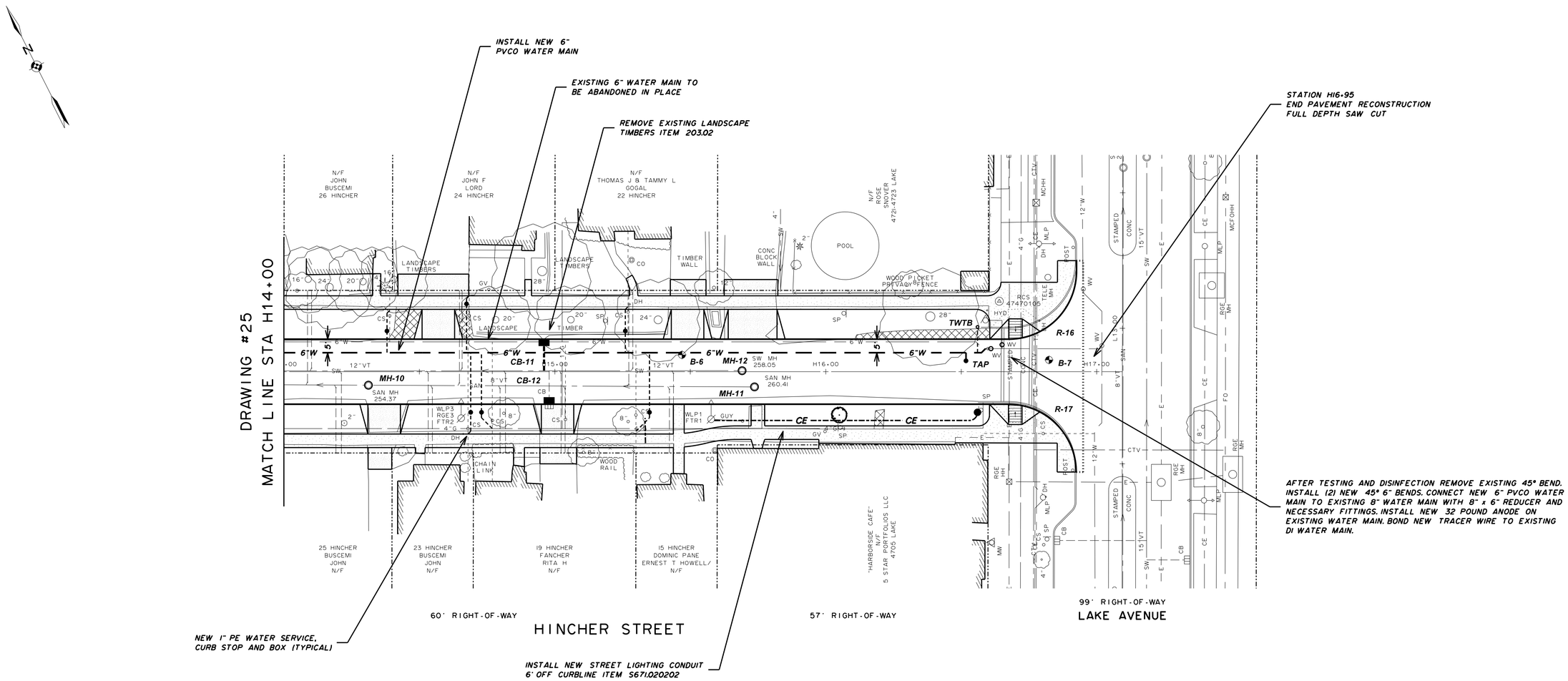
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE 1" = 20'
PROJECT NUMBER 12109

DRAWING TITLE
PLAN
HINCHER STREET
STATION H9+00 TO STATION H14+00

DRAWING NO. 25 OF 50



WATER NOTES

AFTER NEW WATER MAIN HAS BEEN INSTALLED AND TESTED, EXPOSE ALL WATER MAIN JOINTS FROM STATION H10+60 TO H12+76 AND H13+76 TO H15+50, AND ENCASE JOINTS WITH CONTROLLED DENSITY FILL

EXPOSE ALL WATER MAIN JOINTS ON PORTION OF EXISTING 8" DI WATER MAIN FROM STATION H12+76 TO H13+76, AND INSTALL NEW 32 POUND ANODES (10 TOTAL) AND JOINT BONDS (6 TOTAL) ON EXISTING JOINTS

CURB RADIUS DATA

NUMBER	R-16	R-17
RADIUS	25'	25'
DELTA	89^54'37"	90^05'23"
TANGENT	24.96'	25.04'
LENGTH	39.23'	39.31'
STATION OFFSET	PC H16+67.53 12.00' LT	PC H16+67.42 12.00' RT
ELEVATION	PC 274.67 C 274.07 G PT MEET EXISTING	PC 274.91 C 274.31 G PT MEET EXISTING

20 0 20 40 60
SCALE IN FEET

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

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HINCHER GROUP

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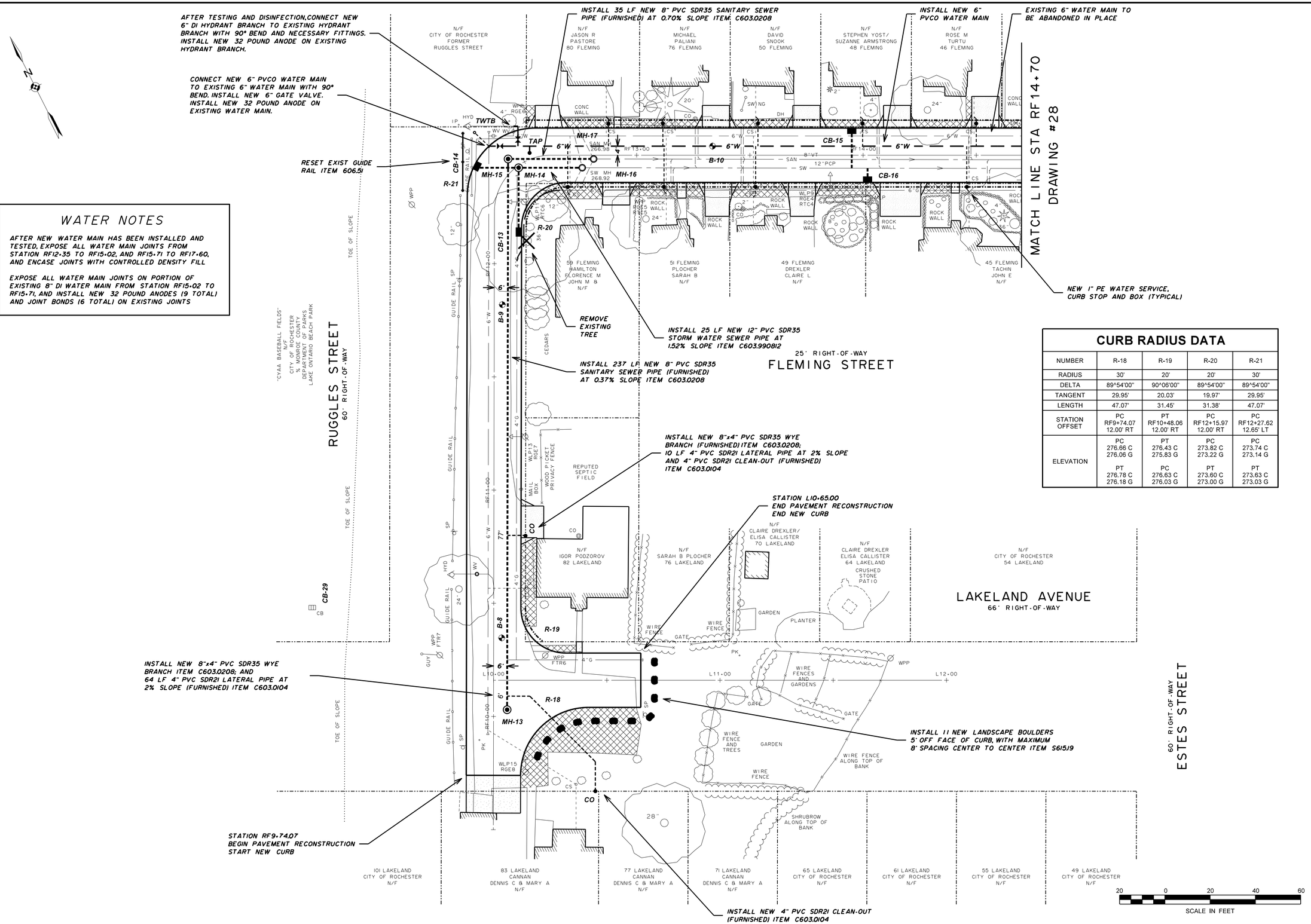
DRAWN RKS
DESIGN LYR
SCALE 1" = 20'
PROJECT NUMBER 12109

DRAWING TITLE
PLAN
HINCHER STREET
STATION H14+00 TO
LAKE AVENUE

DRAWING NO.
26
OF
50



WATER NOTES

AFTER NEW WATER MAIN HAS BEEN INSTALLED AND TESTED, EXPOSE ALL WATER MAIN JOINTS FROM STATION RF12+35 TO RF15+02, AND RF15+71 TO RF17+60, AND ENCASE JOINTS WITH CONTROLLED DENSITY FILL

EXPOSE ALL WATER MAIN JOINTS ON PORTION OF EXISTING 8" DI WATER MAIN FROM STATION RF15+02 TO RF15+71, AND INSTALL NEW 32 POUND ANODES (9 TOTAL) AND JOINT BONDS (6 TOTAL) ON EXISTING JOINTS

CURB RADIUS DATA

NUMBER	R-18	R-19	R-20	R-21
RADIUS	30'	20'	20'	30'
DELTA	89^54'00"	90^06'00"	89^54'00"	89^54'00"
TANGENT	29.95'	20.03'	19.97'	29.95'
LENGTH	47.07'	31.45'	31.38'	47.07'
STATION OFFSET	PC RF9+74.07 12.00' RT	PT RF10+48.06 12.00' RT	PC RF12+15.97 12.00' RT	PC RF12+27.62 12.65' LT
ELEVATION	PC 276.66 C 276.06 G PT 276.78 C 276.18 G	PT 276.43 C 275.83 G PC 276.63 C 276.03 G	PC 273.82 C 273.22 G PT 273.60 C 273.00 G	PC 273.74 C 273.14 G PT 273.63 C 273.03 G

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NO.	REVISION	BY	DATE

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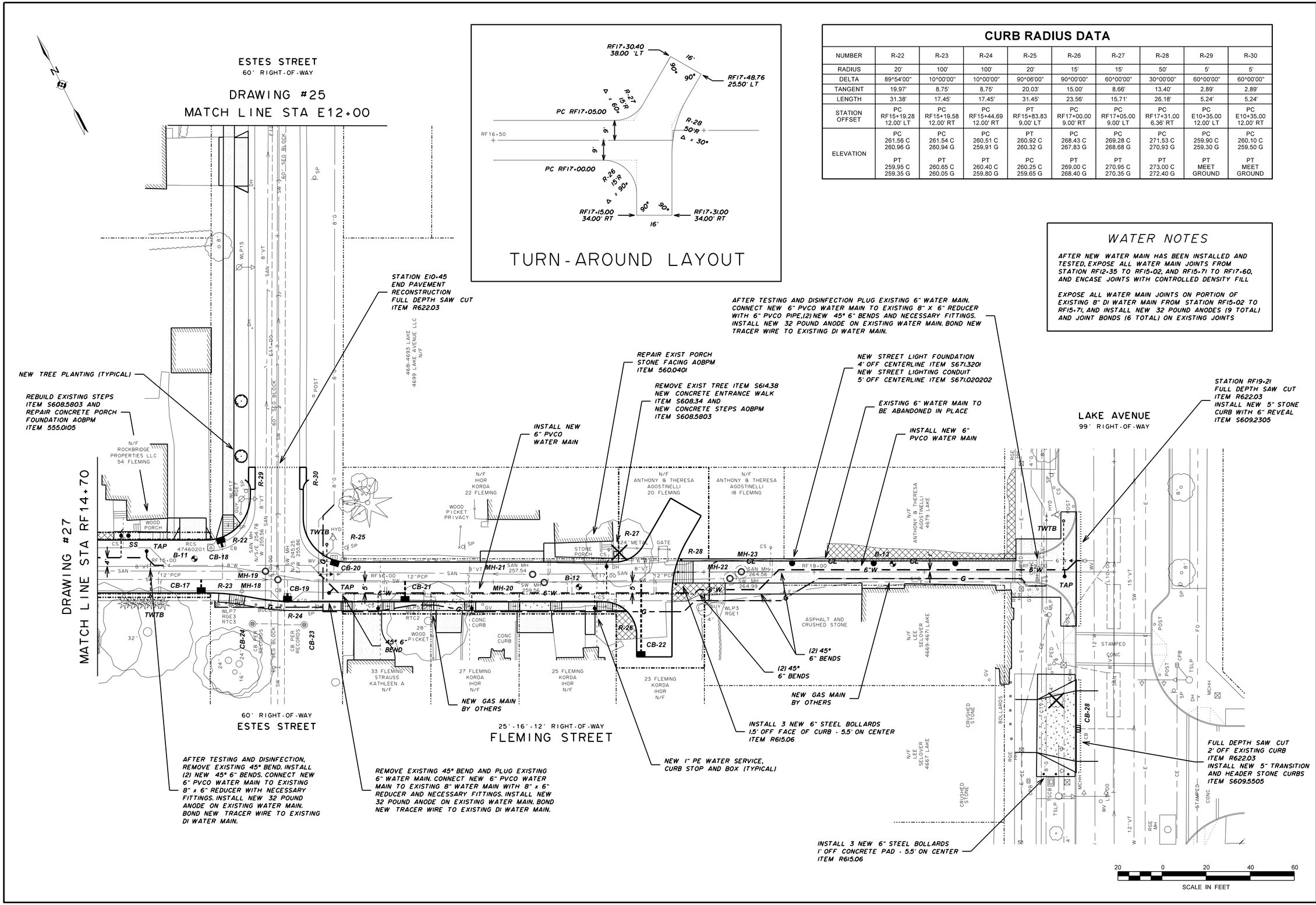
SCALE 1" = 20'
PROJECT NUMBER 12109

DRAWING TITLE
PLAN
LAKELAND AVENUE
RUGGLES STREET
FLEMING STREET

DRAWING NO.
27
OF
50



CURB RADIUS DATA

NUMBER	R-22	R-23	R-24	R-25	R-26	R-27	R-28	R-29	R-30
RADIUS	20'	100'	100'	20'	15'	15'	50'	5'	5'
DELTA	89^54'00"	10^00'00"	10^00'00"	90^06'00"	90^00'00"	60^00'00"	30^00'00"	60^00'00"	60^00'00"
TANGENT	19.97'	8.75'	8.75'	20.03'	15.00'	8.66'	13.40'	2.89'	2.89'
LENGTH	31.38'	17.45'	17.45'	31.45'	23.56'	15.71'	26.18'	5.24'	5.24'
STATION OFFSET	PC RF15+19.28 12.00' LT	PC RF15+19.58 12.00' RT	PC RF15+44.69 12.00' RT	PT RF15+83.83 9.00' LT	PC RF17+00.00 9.00' RT	PC RF17+05.00 9.00' LT	PC RF17+31.00 6.36' RT	PC E10+35.00 12.00' LT	PC E10+35.00 12.00' RT
ELEVATION	PC 261.56 C 260.96 G PT 259.95 C 259.35 G	PC 261.54 C 260.94 G PT 260.65 C 260.05 G	PC 260.51 C 259.91 G PT 260.40 C 259.80 G	PT 260.92 C 260.32 G PC 260.25 C 259.65 G	PC 268.43 C 267.83 G PT 269.00 C 268.40 G	PC 269.28 C 268.68 G PT 270.95 C 270.35 G	PC 271.53 C 270.93 G PT 273.00 C 272.40 G	PC 259.90 C 259.30 G PT MEET GROUND	PC 260.10 C 259.50 G PT MEET GROUND

WATER NOTES

AFTER NEW WATER MAIN HAS BEEN INSTALLED AND TESTED, EXPOSE ALL WATER MAIN JOINTS FROM STATION RF12+35 TO RF15+02, AND RF15+71 TO RF17+60, AND ENCASE JOINTS WITH CONTROLLED DENSITY FILL

EXPOSE ALL WATER MAIN JOINTS ON PORTION OF EXISTING 8" DI WATER MAIN FROM STATION RF15+02 TO RF15+71, AND INSTALL NEW 32 POUND ANODES (9 TOTAL) AND JOINT BONDS (6 TOTAL) ON EXISTING JOINTS

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

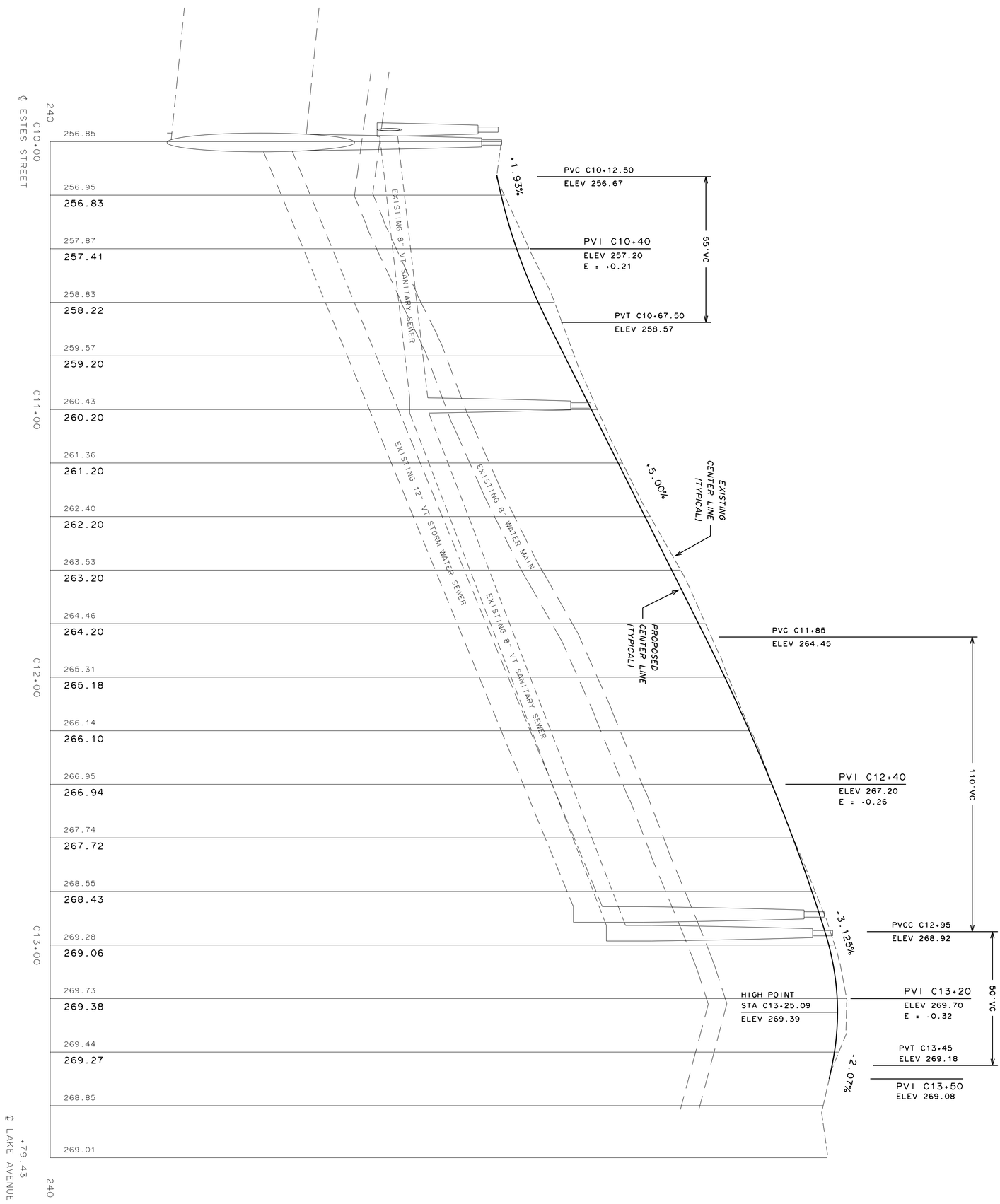
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	1" = 20'
PROJECT NUMBER	12109

DRAWING TITLE
PLAN
FLEMING STREET
ESTES STREET

DRAWING NO.
28
OF
50



DRAWING NO. 29 OF 50	DRAWING TITLE: PROFILE CORRIGAN STREET	ISSUED: JUNE 1, 2015					PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP
		CHECKED: LYR					
		DRAWN: RKS					
		DESIGN: LYR					
		SCALE: H: 1" = 20' V: 1" = 2'					
		PROJECT NUMBER: 12109	NO.	REVISION	BY	DATE	

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

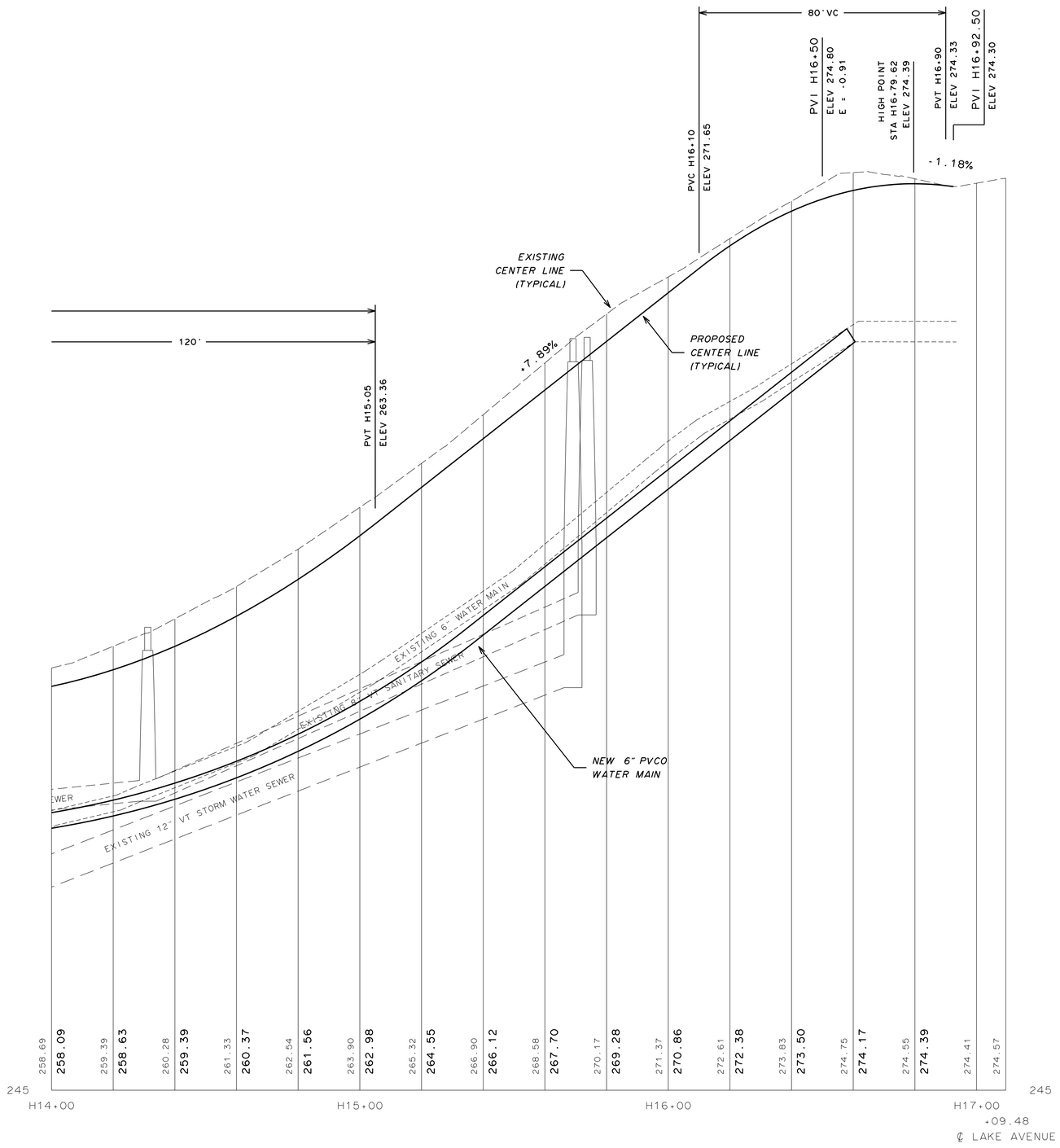
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

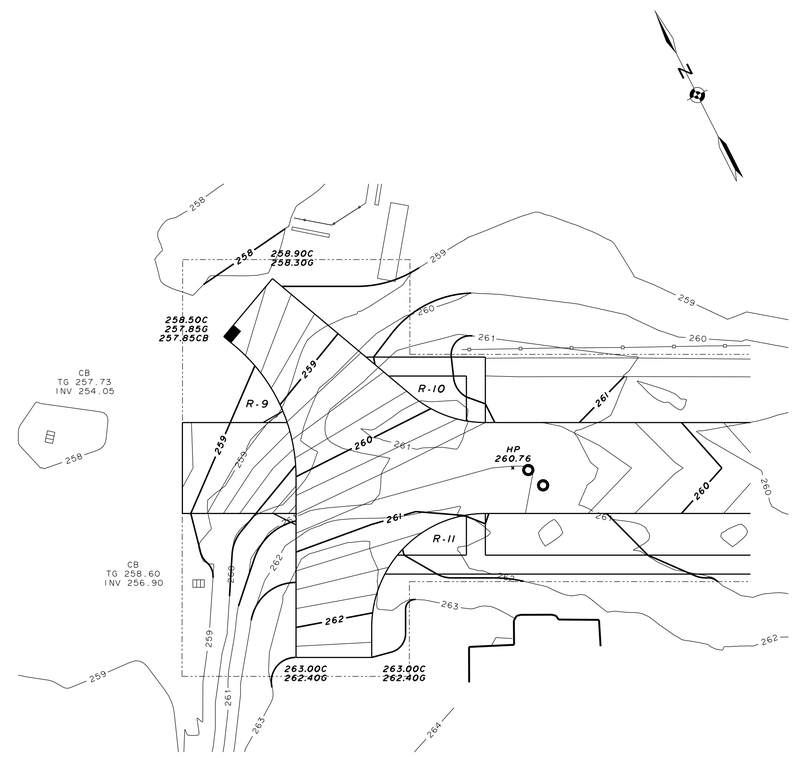
NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE H: 1" = 20' V: 1" = 2'
PROJECT NUMBER 12109

DRAWING TITLE
PROFILE
HINCHER STREET
WEST END TO
STATION H14+00

DRAWING NO.
30
OF
50





RADII ELEVATIONS		
R-9	R-10	R-11
PC 258.70C 258.10G	PC 260.40C 259.80G	PC 262.70C 262.10G
PT 260.60C 260.00G	PT 261.10C 260.50G	PT 261.45C 260.85G

HINCHER STREET
TURN-AROUND GRADING PLAN

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

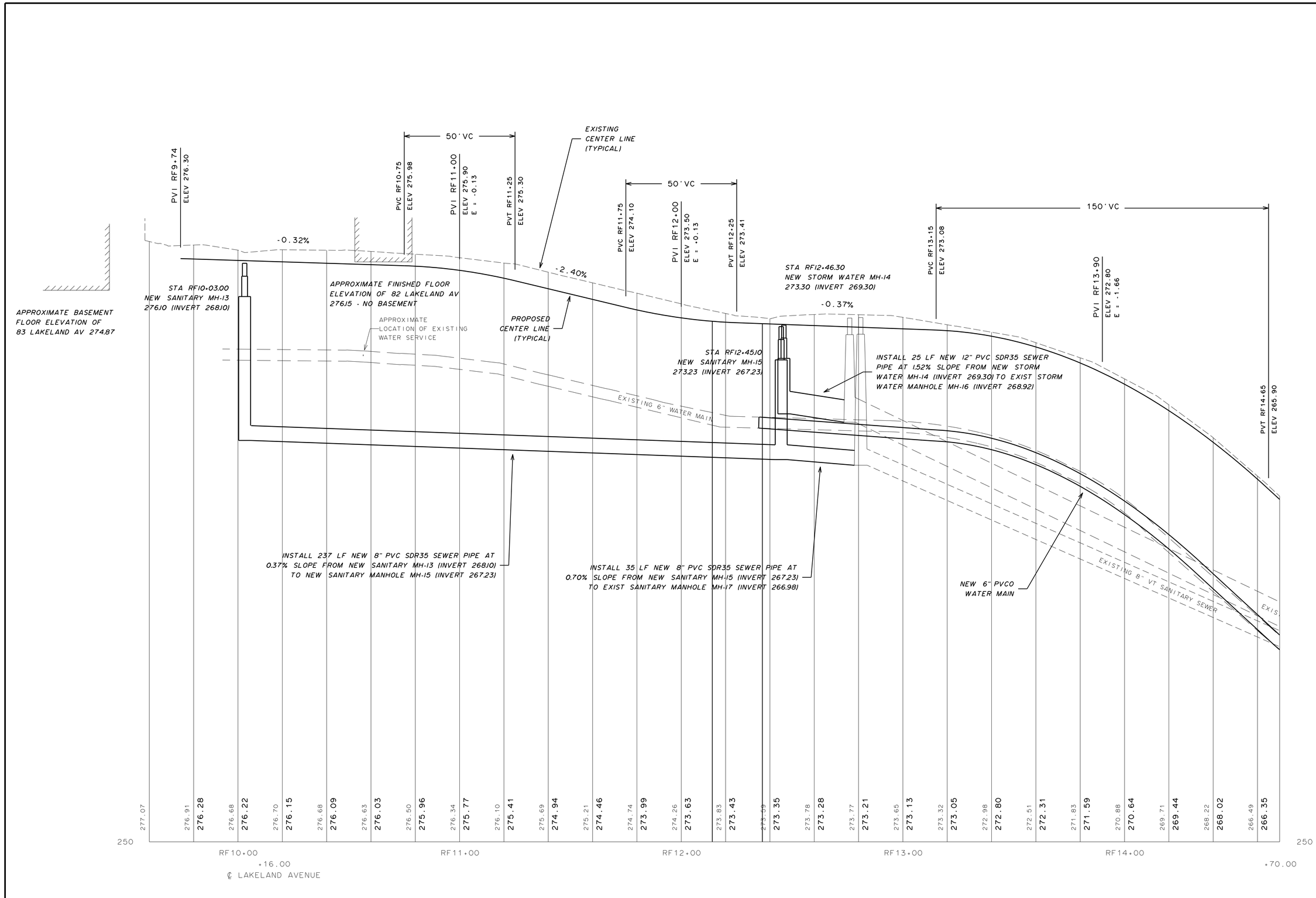
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE H: 1" = 20' V: 1" = 2'
PROJECT NUMBER 12109

DRAWING TITLE
PROFILE
HINCHER STREET
STATION H14+00 TO
LAKE AVENUE
TURN-AROUND GRADING

DRAWING NO.
31
OF
50



Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

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CITY ENGINEER JAMES R.McINTOSH,P.E.

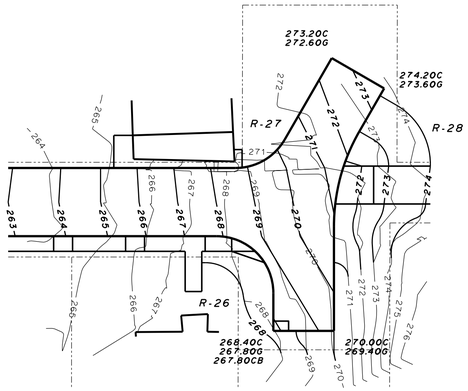
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE H: 1" = 20' V: 1" = 2'
PROJECT NUMBER 12109

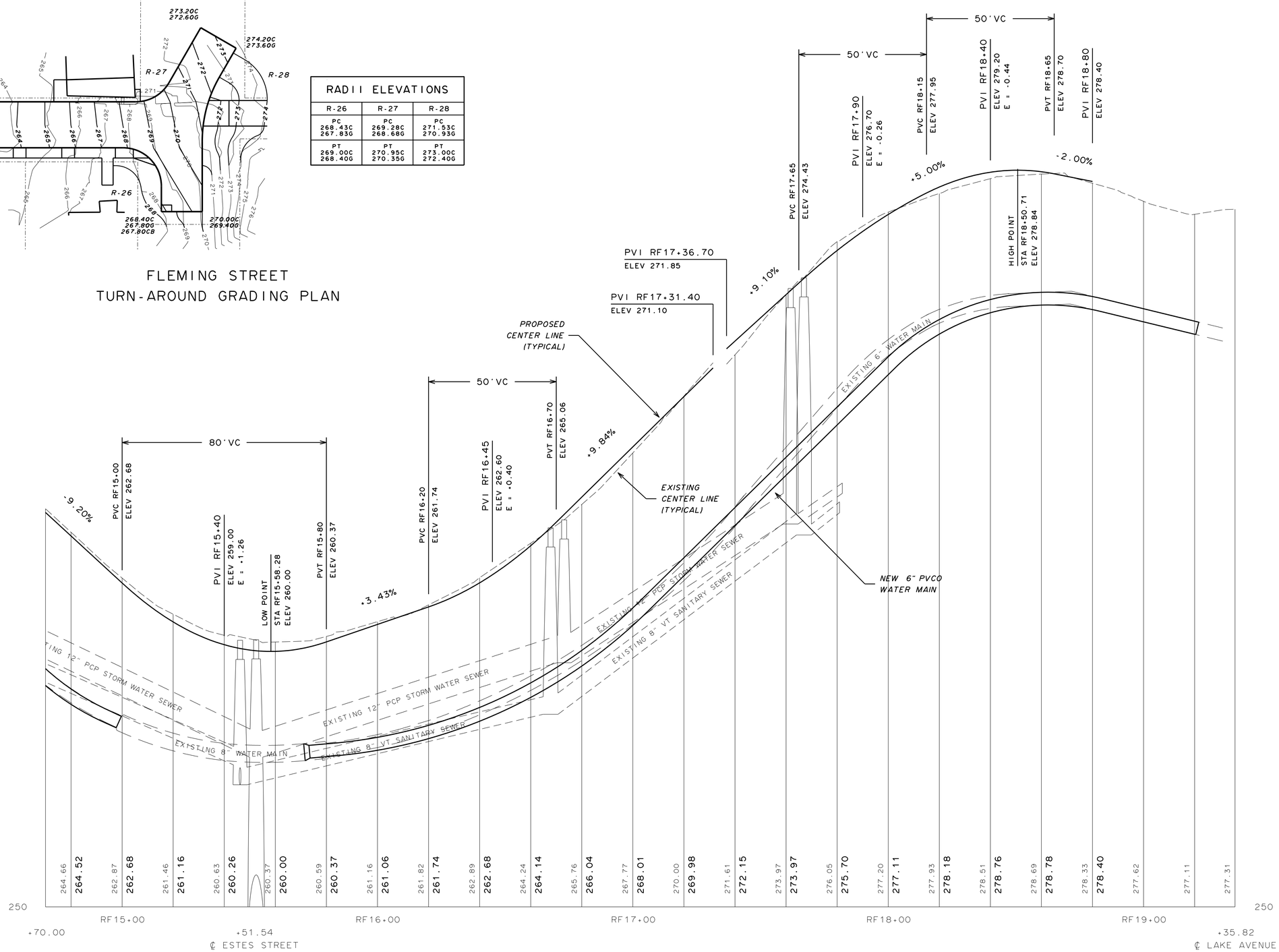
DRAWING TITLE
PROFILE
RUGGLES STREET
SOUTH END TO
STATION RF14+70

DRAWING NO.
32
OF
50



RADII ELEVATIONS		
R-26	R-27	R-28
PC 268.43C 267.83G	PC 269.28C 268.68G	PC 271.53C 270.93G
PT 269.00C 268.40G	PT 270.95C 270.35G	PT 273.00C 272.40G

FLEMING STREET
TURN-AROUND GRADING PLAN



Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

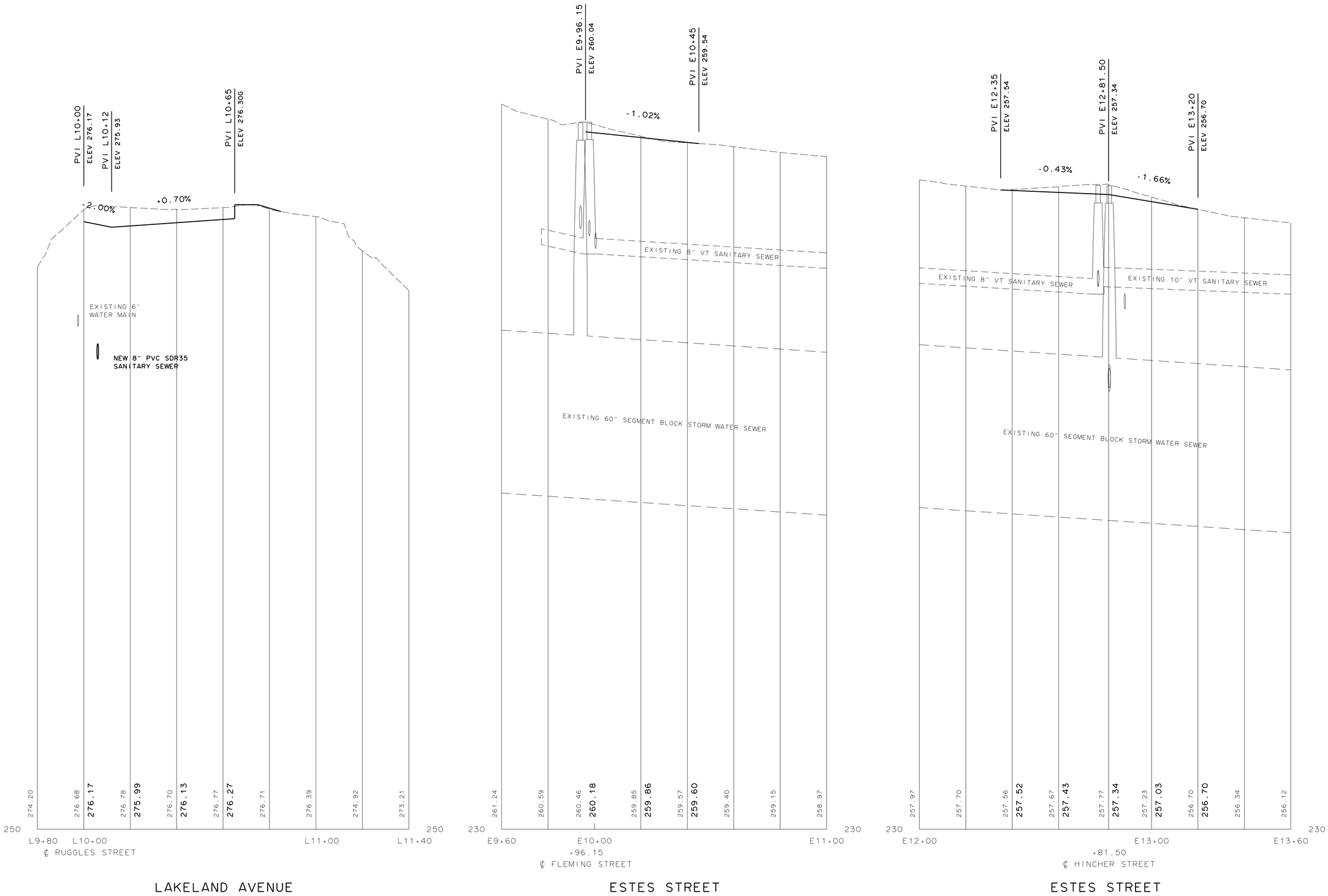
PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE H: 1" = 20' V: 1" = 2'
PROJECT NUMBER 12109

DRAWING TITLE
PROFILE
FLEMING STREET
STATION RF14+70 TO
LAKE AVENUE
TURN-AROUND GRADING

DRAWING NO.
33
OF
50



Department of Environmental Services
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PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
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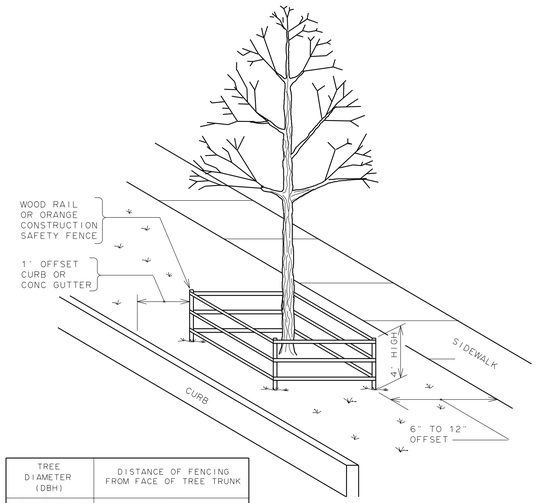
DESIGN LYR
SCALE H: 1" = 20' V: 1" = 2'
PROJECT NUMBER 12109

DRAWING TITLE
PROFILES
LAKELAND AVENUE
ESTES STREET

DRAWING NO.
34
OF
50



TREE DIAMETER (DBH)	DISTANCE OF FENCING FROM FACE OF TREE TRUNK
LESS THAN 10"	6'
10" - 14"	10'
15" - 19"	12'
20" OR MORE	15'

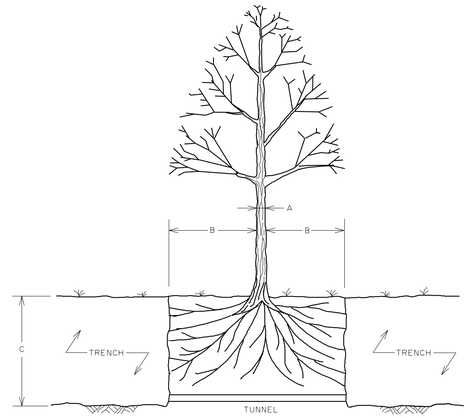
NOTE:

1. ALL TREES WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, ARE TO RECEIVE THIS TREATMENT.
2. DO NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING (IDLING) UNDER TREE CANOPY.

CITY OF ROCHESTER

TREE PROTECTION

ISSUED 11-20-92 NON-STANDARD
REVISED 7-1-93 DWG.NO.S617-1



TREE DIAMETER "A" (DBH)	DISTANCE OF TUNNEL AND FENCING FROM FACE OF TREE TRUNK EACH SIDE "B"	RECOMMENDED DEPTH OF TUNNEL OR TRENCH "C"
LESS THAN 10"	6'	2½'
10" - 14"	10'	3'
15" - 19"	12'	3½'
20" OR MORE	15'	4'

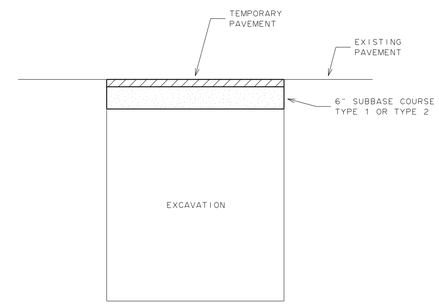
NOTES:

1. OPEN TRENCHING IN THE ROOT ZONE AREA OF A PUBLIC TREE IS PROHIBITED EXCEPT IN CASES WHERE THE TRENCHING FALLS OUTSIDE THE CANOPY OF THE TREE INVOLVED. IN SOME INSTANCES, EXCEPTIONS MAY BE ALLOWED IF IN THE OPINION OF THE CITY THE IMPACT OF TRENCHING UPON THE TREE WILL BE NEGLIGIBLE.
2. BEFORE COMMENCING WORK WITHIN THE TREE PROTECTION ZONE - AUTHORIZATION IS REQUIRED FROM A REPRESENTATIVE OF THE CITY FORESTER'S OFFICE.

CITY OF ROCHESTER

UTILITY TRENCH AT EXISTING TREE

ISSUED 11-20-92 NON-STANDARD
REVISED 7-1-93 DWG.NO.S617-2



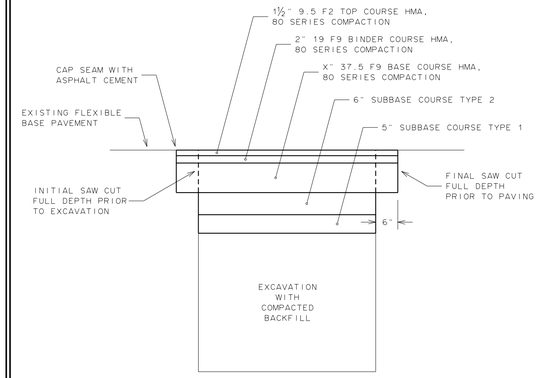
NOTES:

1. TEMPORARY PAVEMENT MATERIAL IS TO BE 2 INCHES TYPE 19 F9 BINDER COURSE HMA 80 SERIES COMPACTION, OR RECYCLED ASPHALT. ASPHALT COLD PATCH AND UNTREATED MILLING MATERIALS ARE NOT ACCEPTABLE FOR USE AS TEMPORARY PAVEMENT.
2. DURING WINTER SEASON (NOVEMBER 1 THRU APRIL 14), IF HMA MATERIAL IS NOT AVAILABLE, USE CLASS F CONCRETE FOR TEMPORARY PAVEMENT. CONCRETE IS TO BE 4 INCHES THICK FOR ARTERIAL AND COLLECTOR STREETS, AND 3 INCHES THICK FOR RESIDENTIAL STREETS AND ALLEYS, AND IS TO BE BROOM FINISHED.
3. TEMPORARY PAVEMENT IS TO BE PLACED WITHIN 24 HOURS OF BACKFILLING EXCAVATION.
4. TEMPORARY PAVEMENT MATERIAL IS TO BE COMPACTED TO PROVIDE FIRM AND SMOOTH SURFACE.

CITY OF ROCHESTER

TEMPORARY PAVEMENT

ISSUED 9-2-91 STANDARD
REVISED 7-31-12 DWG.NO.R412-1



NOTES:

1. FINAL SAW CUT IS TO BE FULL DEPTH TO OBTAIN STRAIGHT AND NEAT EDGE FOR PAVING. SAW CUT IS TO BE MADE AFTER TRENCH IS BACKFILLED.
2. BOTTOM OF ASPHALT BASE COURSE IS TO BE AT OR BELOW BOTTOM OF EXISTING ASPHALT PAVEMENT SECTION TO PROVIDE FOR REQUIRED MINIMUM THICKNESSES OF ASPHALT COURSES. MINIMUM THICKNESS OF ASPHALT BASE COURSE IS:
   HEAVY-DUTY PAVEMENT - 8 INCHES
   MEDIUM-DUTY PAVEMENT - 3 INCHES
   LIGHT-DUTY PAVEMENT - 0 INCHES
3. TACK COAT IS TO BE APPLIED BETWEEN ALL LIFTS OF HMA PAVEMENT COURSES.
4. SEAMS BETWEEN EXISTING AND NEW PAVEMENT ARE TO BE SEALED WITH ASPHALT CEMENT 702-0700 IN ACCORDANCE WITH NYSDOT SECTION 702 BITUMINOUS MATERIALS.

CITY OF ROCHESTER

TRENCH RESTORATION ASPHALT BASE

ISSUED 9-2-91 STANDARD
REVISED 7-31-12 DWG.NO.R206-1

SIGN BOARD:

- COLOR - WHITE EXTERIOR ENAMEL 2 COATS ALL AROUND
- SIZE - 4' WIDE x ¾" THICK PLYWOOD

GRAPHICS:

- COLOR - BLACK EXTERIOR ENAMEL
- HORIZONTAL BAR - 3' LONG x ¾" WIDE
- DIRECTIONAL ARROW - 6" HIGH WITH 2" WIDE MAIN SHAFT

LETTERS:

- COLOR - RED EXTERIOR ENAMEL
- SIZE - 2" HELVETICA MEDIUM STYLE WITH 2" LINE SPACING

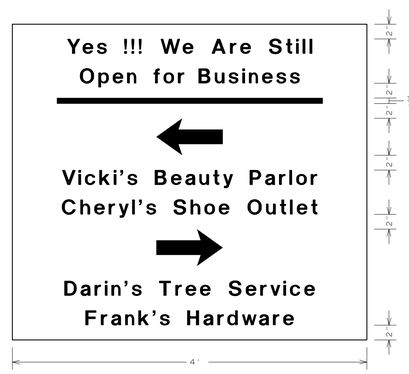
NOTES:

1. MAINTAIN MINIMUM 2 INCH CLEARANCE BETWEEN EDGES OF SIGN BOARD AND LETTERING.
2. BOTTOM OF SIGN BOARD IS TO BE MINIMUM OF 5 FEET ABOVE GROUND.

CITY OF ROCHESTER

BUSINESS SIGN

ISSUED 3-7-96 NON-STANDARD
REVISED 7-31-12 DWG.NO.S645-1



SIGN BOARD:

- COLOR - WHITE EXTERIOR ENAMEL 2 COATS ALL AROUND
- SIZE - 4' WIDE x ¾" THICK PLYWOOD

GRAPHICS:

- COLOR - BLACK EXTERIOR ENAMEL
- HORIZONTAL BAR - 3' LONG x ¾" WIDE
- DIRECTIONAL ARROW - 9" LONG WITH 2" WIDE MAIN SHAFT

LETTERS:

- COLOR - RED EXTERIOR ENAMEL
- SIZE - 2" HELVETICA MEDIUM STYLE WITH 2" LINE SPACING

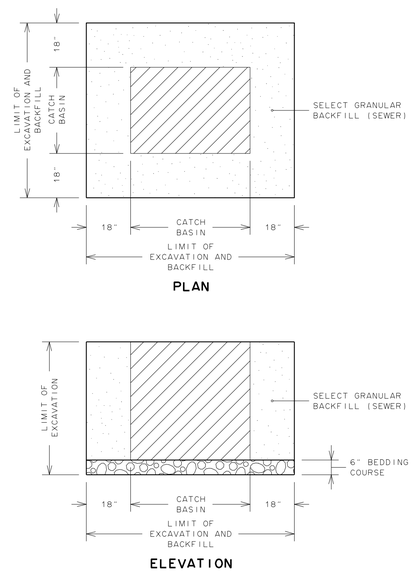
NOTES:

1. MAINTAIN MINIMUM 2 INCH CLEARANCE BETWEEN EDGES OF SIGN BOARD AND LETTERING.
2. BOTTOM OF SIGN BOARD IS TO BE MINIMUM OF 5 FEET ABOVE GROUND.

CITY OF ROCHESTER

BUSINESS SIGN

ISSUED 3-7-96 NON-STANDARD
REVISED 7-31-12 DWG.NO.S645-2



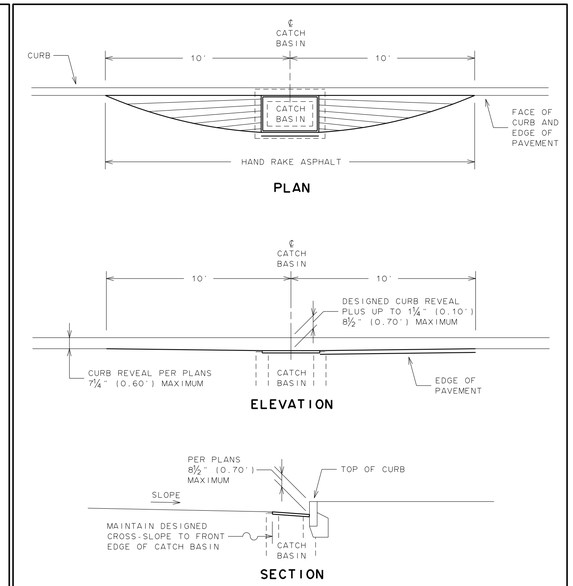
NOTES:

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.

CITY OF ROCHESTER

TRENCH AND BACKFILL LIMIT LINES FOR CATCH BASINS

ISSUED 6-6-14 NON-STANDARD
REVISED DWG.NO.S206-3



NOTES:

1. DEPRESSED PAVING IS TO BE USED ONLY WHERE GRADES ARE LESS THAN 0.40%, AND AT LOW POINTS WHERE BOTH INCOMING GRADES ARE LESS THAN 0.50%.
2. BACKEDGE OF CATCH BASIN FRAME AND GRATE TO BE DEPRESSED AT CURB.
3. PAVEMENT IS TO BE FLUSH WITH CATCH BASIN.
4. TOP OF CURB IS TO REMAIN TRUE TO LINE AND GRADE. CURB IS NOT TO BE DEPRESSED.

CITY OF ROCHESTER

DEPRESSED PAVING AT CATCH BASIN

ISSUED 9-2-91 STANDARD
REVISED 7-31-12 DWG.NO.R400-3

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

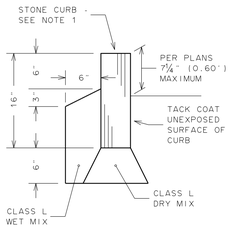
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

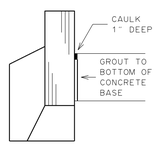
ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
DETAILS

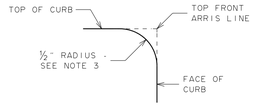
DRAWING NO.
35
OF
50



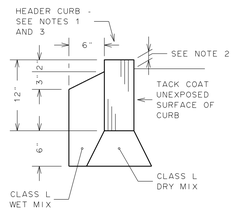
STONE CURB



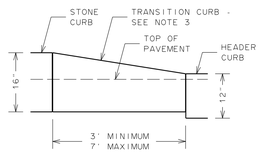
STONE CURB AT RIGID PAVEMENT



CURB FOR DRIVEWAY



HEADER CURB



TRANSITION CURB

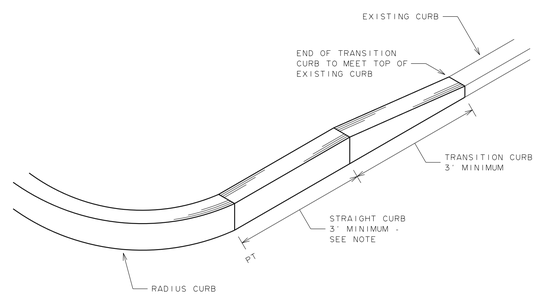
NOTES:

1. TOP OF CURB THICKNESS IS TO BE AS REQUIRED IN CONTRACT DOCUMENTS.
2. CURB REVEAL FOR HEADER CURB AT DRIVEWAY APRONS IS 1½ INCHES, AT SIDEWALK ACCESS RAMPS 0 INCHES.
3. ONLY TRANSITION AND HEADER CURB PIECES USED FOR DRIVEWAYS ARE TO BE ROUNDED.

CITY OF ROCHESTER

STONE CURB

ISSUED	9-2-91	STANDARD
REVISED	2-25-14	DWG.NO.R609-1



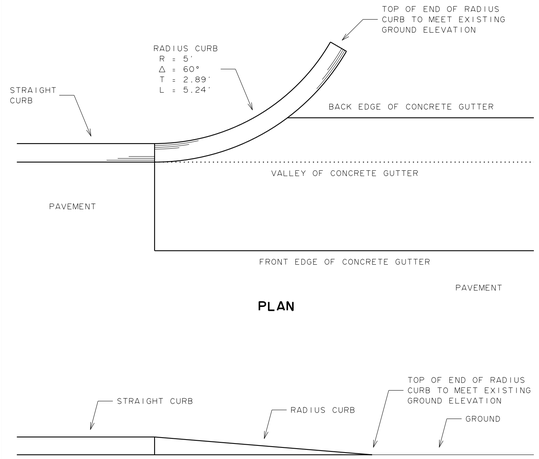
NOTE:

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

CITY OF ROCHESTER

NEW CURB TRANSITION TO EXISTING CURB

ISSUED	9-2-91	STANDARD
REVISED	12-30-11	DWG.NO.R609-7



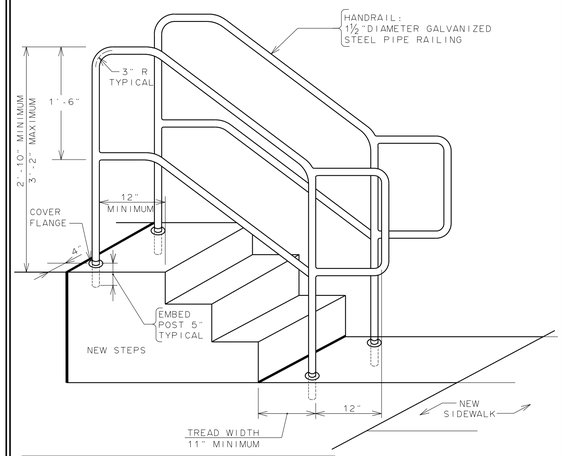
PLAN

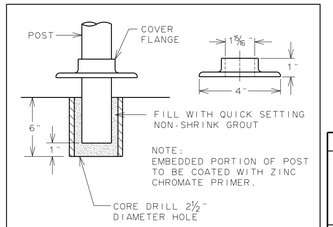
ELEVATION

CITY OF ROCHESTER

STONE CURB AT CONCRETE GUTTER

ISSUED	5-16-14	NON-STANDARD
REVISED		DWG.NO.S609-22





COVER FLANGE ASSEMBLY

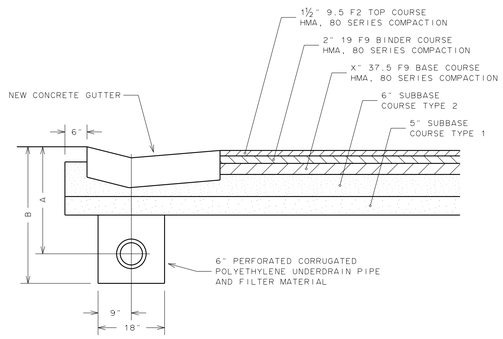
NOTE

HANDRAILS MUST BE PROVIDED WHEN THERE ARE THREE OR MORE RISERS.

CITY OF ROCHESTER

COMMERCIAL HANDRAIL

ISSUED	5-17-94	NON-STANDARD
REVISED	9-30-98	DWG.NO.S563-1



PAVEMENT SECTION	X" THICKNESS BASE COURSE	A (℄ UNDERDRAIN PIPE)	B (BOTTOM UNDERDRAIN TRENCH)
LIGHT-DUTY	0"	2'-2"	2'-10"
MEDIUM-DUTY	3"	2'-5"	3'-1"

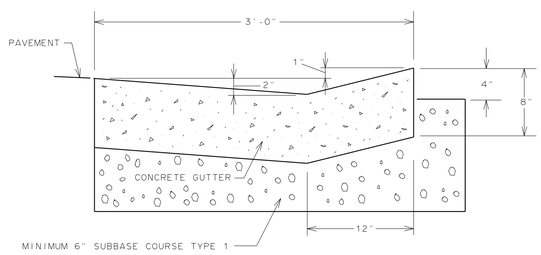
NOTE:

TACK COAT IS TO BE APPLIED BETWEEN ALL LIFTS OF HMA PAVEMENT COURSES AND ON FACE OF CONCRETE GUTTER.

CITY OF ROCHESTER

ASPHALT PAVEMENT SECTION WITH CONCRETE GUTTER

ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R400-2



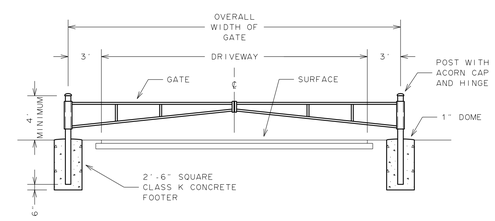
NOTES:

1. USE CLASS K CONCRETE FOR CONVENTIONALLY FORMED GUTTERS, AND CLASS I CONCRETE FOR MACHINE FORMED GUTTERS.
2. CONCRETE GUTTERS ARE TO BE CONSTRUCTED IN 10 FOOT SECTIONS.
3. EXPANSION JOINTS ARE TO BE PROVIDED AT 20 FOOT INTERVALS AND ARE TO BE ¾ INCH IN WIDTH.

CITY OF ROCHESTER

CONCRETE GUTTER

ISSUED	9-2-91	STD. DWG.
REVISED	12-6-93	NO. R624-1



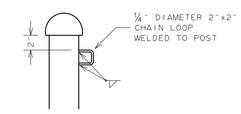
NOTES:

1. GATE TO BE TUBULAR GALVANIZED STEEL SHOP PAINTED WITH SAFETY YELLOW ALKYD ENAMEL PAINT.
2. GATE TO BE CAPABLE OF SWINGING OPEN, ROTATING FULL CIRCLE.
3. GATE IS TO BE LOCKABLE. PROVIDE HEAVY-DUTY WEATHER PROOF SECURITY LOCK WITH 3 KEYS.
4. EPOXY ACORN CAP BEFORE WEDGING IN PLACE.

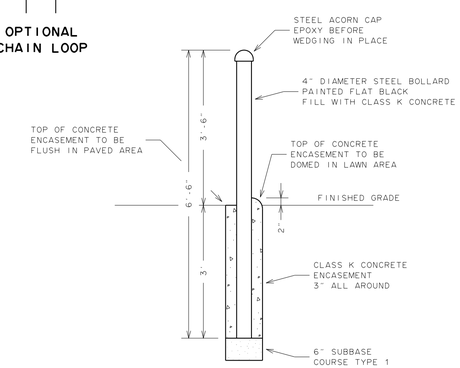
CITY OF ROCHESTER

VEHICLE BARRIER GATE

ISSUED	8-15-14	NON-STANDARD
REVISED		DWG.NO.S607-1



OPTIONAL CHAIN LOOP



PLAN

NOTE:

STEEL BOLLARD TO BE 4 OR 6 INCH O.D. EXTRA STRENGTH GALVANIZED STEEL PIPE.

CITY OF ROCHESTER

STEEL BOLLARD

ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R615-1

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

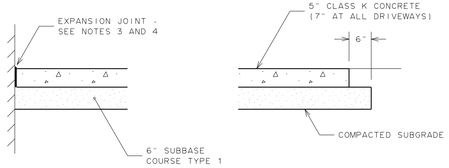
PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE: DETAILS

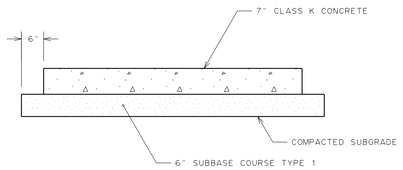
DRAWING NO. 36 OF 50



ADJACENT TO WALL OR BUILDING

ADJACENT TO LAWN AREA

SIDEWALK



DRIVEWAY

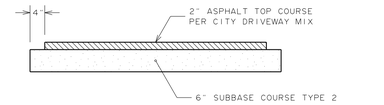
NOTES:

1. MAXIMUM CROSS-SLOPE OF CONCRETE SIDEWALK IS 1:50.
2. ENTIRE AREA OF SIDEWALK ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
3. PROVIDE ½ INCH WIDE EXPANSION JOINT BETWEEN NEW CONCRETE CONSTRUCTION AND BACK EDGE CURB, CONCRETE GUTTER, OTHER PAVED AREAS, BUILDINGS, WALLS, POLE BASES AND OTHER STRUCTURES/APPURTENANCES.
4. FOR EXPANSION JOINT USE ½ INCH WIDE PREMOULDED EXPANSION JOINT MATERIAL, SEALED WITH ½ INCH WIDE CAULKING SEALANT ⅜ INCH DEEP.
5. SEE DETAILS S608-25 FOR HEAVY-DUTY COMMERCIAL DRIVEWAY PAVEMENT SECTION.

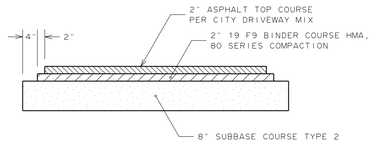
CITY OF ROCHESTER

CONCRETE SIDEWALK AND DRIVEWAY

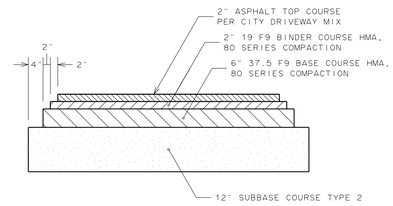
ISSUED	9-2-91	STANDARD
REVISED	5-1-13	DWG.NO.R608-6



LIGHT DUTY



MEDIUM DUTY

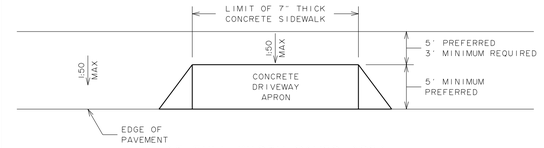


HEAVY DUTY

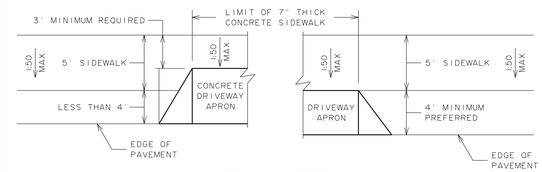
CITY OF ROCHESTER

ASPHALT DRIVEWAY

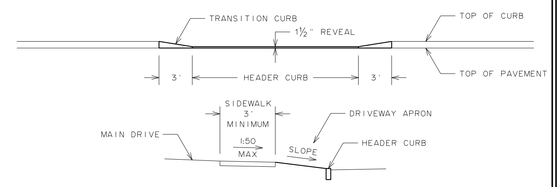
ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R608-7



AT FULL WIDTH PAVED AREA



AT LAWN AREA



SECTIONS WITH CURB

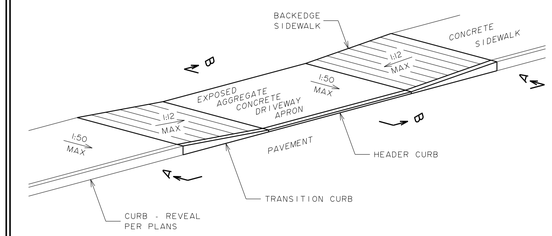
NOTES:

1. NOMINAL RESIDENTIAL DRIVEWAY APRON WIDTH IS TO BE BETWEEN 10 FEET AND 15 FEET, NOT INCLUDING TRANSITION AREAS. ACTUAL WIDTH WILL BE AS APPROVED OF BY CITY.
2. NOMINAL MAXIMUM WIDTH OF COMMERCIAL DRIVEWAY APRON IS TO BE 24 FEET. ACTUAL WIDTH WILL BE AS APPROVED OF BY CITY.

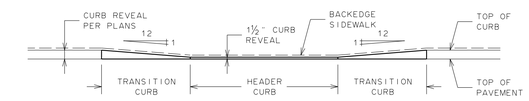
CITY OF ROCHESTER

DRIVEWAY APRON

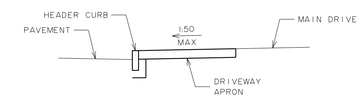
ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R608-5



PLAN ISOMETRIC



VIEW A-A



SECTION B-B

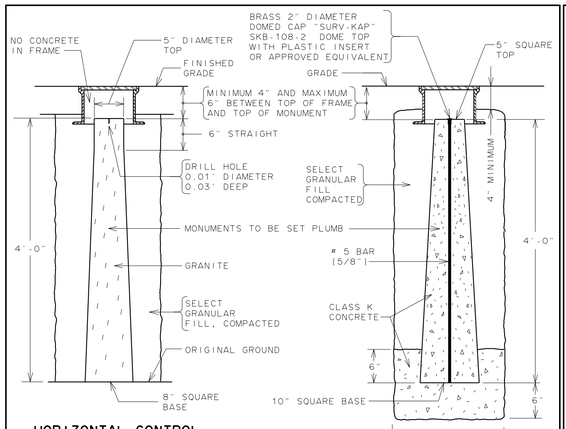
NOTES:

1. MAXIMUM SLOPE OF DRIVEWAY APRON IS 1:50.
2. SURFACE OF DRIVEWAY APRON AND SIDE FLARES IS TO BE STABLE, FIRM AND SLIP-RESISTANT. (i.e. COARSE BROOM FINISH PERPENDICULAR TO SLOPE IS ACCEPTABLE).
3. DRIVEWAY APRON AND SIDE FLARES PAVEMENT SECTION IS TO BE 7 INCHES THICK CONCRETE.

CITY OF ROCHESTER

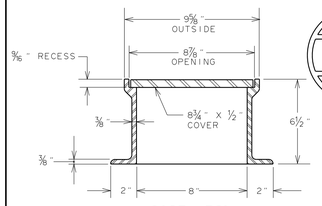
DEPRESSED SIDEWALK AND DRIVEWAY - ATTACHED SIDEWALK

ISSUED	2-10-00	NON-STANDARD
REVISED	7-31-12	DWG.NO.S608-22

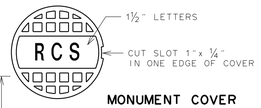


HORIZONTAL CONTROL MONUMENT (RCS)

VERTICAL CONTROL MONUMENT (RTS)



CAST IRON FRAME AND COVER

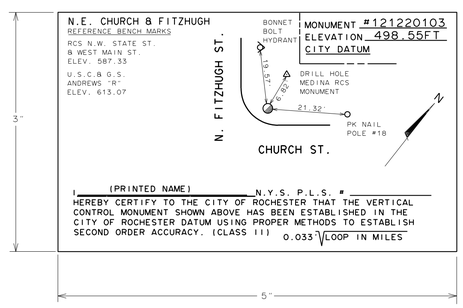


MONUMENT COVER

CITY OF ROCHESTER

MONUMENTS

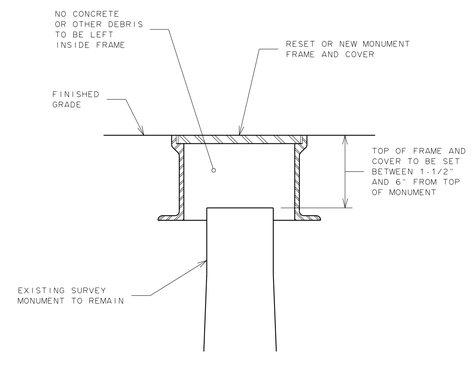
ISSUED	9-2-91	STD. DWG.
REVISED	10-21-03	NO. R626-1



CITY OF ROCHESTER

VERTICAL CONTROL MONUMENT CERTIFICATION CARD

ISSUED	9-2-91	STD. DWG.
REVISED	2-10-00	NO. R626-3



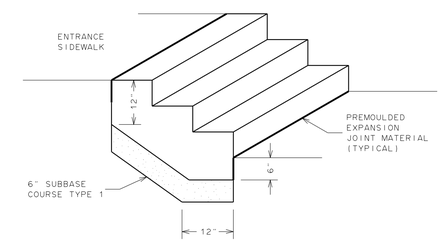
NOTES:

1. MONUMENT FRAME AND COVER TO BE SET CENTERED OVER EXISTING SURVEY MONUMENT.
2. MONUMENT FRAME AND COVER IS TO HAVE FULL AND EVEN BEARING ON UNDERLYING SURFACE AND IS TO BE NON-ROCKING WHEN IN PLACE.
3. MONUMENT FRAME AND COVER IS TO BE SET FLUSH WITH FINISHED GRADE.

CITY OF ROCHESTER

RESET/REPLACE MONUMENT FRAME AND COVER

ISSUED	1-13-06	NON-STANDARD
REVISED		DWG.NO.S626-6



NOTES:

1. MINIMUM WIDTH OF STEPS IS 3 FEET FOR RESIDENTIAL PROPERTY, 4 FEET FOR COMMERCIAL PROPERTY.
2. NUMBER OF STEPS WILL BE DETERMINED BY OVERALL RISER HEIGHT.
3. RISERS AND TREADS ARE TO BE OF UNIFORM SIZE AND SHAPE.
4. RISER IS TO BE BETWEEN 4 INCHES AND 7 INCHES. TREAD IS TO BE 11 INCHES MINIMUM.
5. TOLERANCE BETWEEN LARGEST AND SMALLEST RISER/TREAD IS NOT TO EXCEED ⅜ INCH IN ANY SET OF STEPS.
6. SAW CUT EXISTING SIDEWALK FULL DEPTH.
7. ROUND OR CHAMFER ALL EDGES ½ INCH.
8. BROOM FINISH ALL SURFACES TRANSVERSELY TO FLOW OF TRAFFIC.

CITY OF ROCHESTER

CONCRETE STEP AT SIDEWALK

ISSUED	5-31-12	NON-STANDARD
REVISED		DWG.NO.S608-34

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

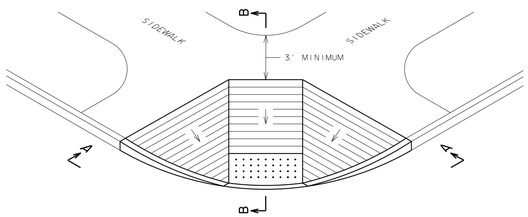
PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

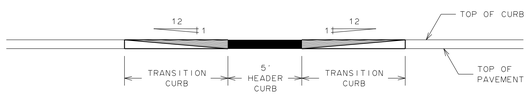
ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE: DETAILS

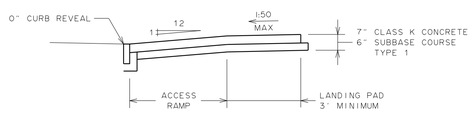
DRAWING NO. 37 OF 50



ACCESS RAMP TYPE A ISOMETRIC



VIEW A-A



SECTION B-B

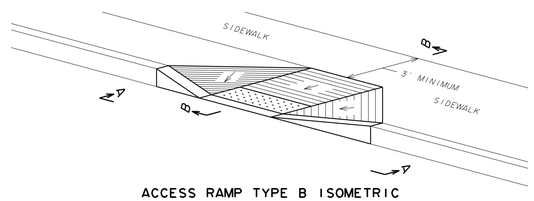
NOTES:

1. 1:12 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARES.
2. SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
3. ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
4. SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

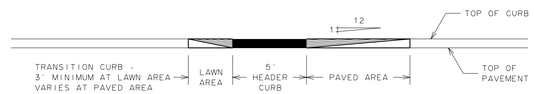
CITY OF ROCHESTER

SIDEWALK ACCESS RAMP TYPE A

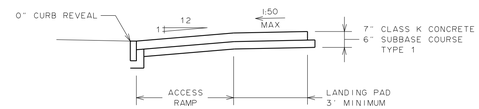
ISSUED	9-2-91	STANDARD
REVISED	3-3-15	DWG.NO.R608-1



ACCESS RAMP TYPE B ISOMETRIC



VIEW A-A



SECTION B-B

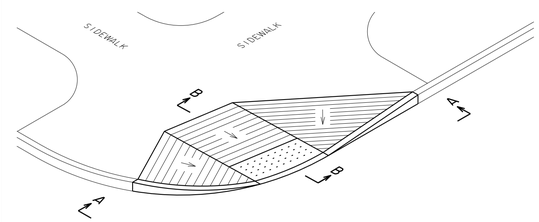
NOTES:

1. 1:12 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARE IN PAVED AREA.
2. SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
3. ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
4. SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

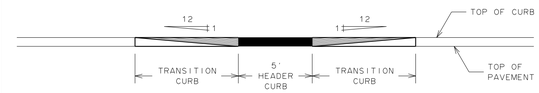
CITY OF ROCHESTER

SIDEWALK ACCESS RAMP TYPE B

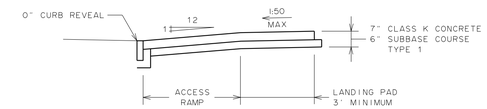
ISSUED	9-2-91	STANDARD
REVISED	3-3-15	DWG.NO.R608-2



ACCESS RAMP TYPE D ISOMETRIC



VIEW A-A



SECTION B-B

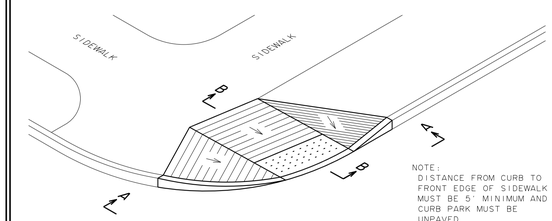
NOTES:

1. 1:12 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARES.
2. SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
3. ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
4. SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

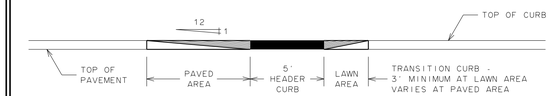
CITY OF ROCHESTER

SIDEWALK ACCESS RAMP TYPE D

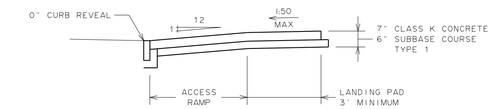
ISSUED	9-2-91	STANDARD
REVISED	3-3-15	DWG.NO.R608-4



ACCESS RAMP TYPE E ISOMETRIC



VIEW A-A



SECTION B-B

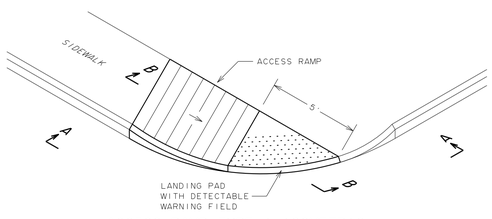
NOTES:

1. 1:12 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARE IN PAVED AREA.
2. SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
3. ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
4. SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

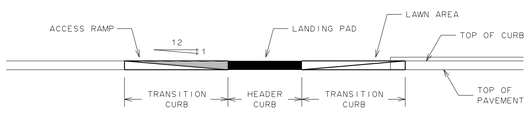
CITY OF ROCHESTER

SIDEWALK ACCESS RAMP TYPE E

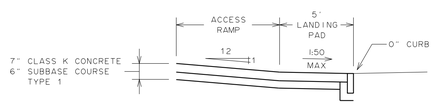
ISSUED	3-21-94	NON-STANDARD
REVISED	3-3-15	DWG.NO.S608-13



ACCESS RAMP TYPE I ISOMETRIC



VIEW A-A



SECTION B-B

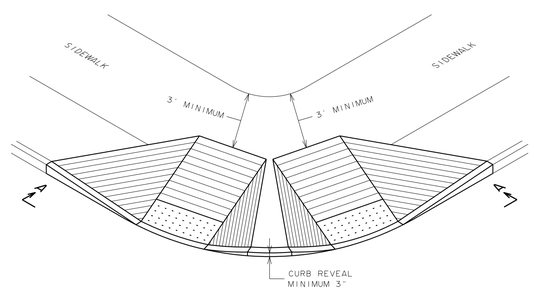
NOTES:

1. 1:12 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARES.
2. SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
3. ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
4. SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

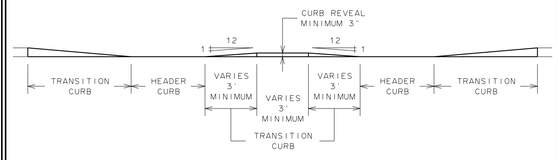
CITY OF ROCHESTER

SIDEWALK ACCESS RAMP TYPE I

ISSUED	3-21-94	NON-STANDARD
REVISED	9-1-12	DWG.NO.S608-38



LAYOUT ISOMETRIC



VIEW A-A

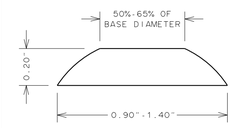
NOTE:

FOR DETAIL LAYOUT OF SIDEWALK ACCESS RAMPS AND DETECTABLE WARNING FIELD REFER TO APPROPRIATE DETAILS.

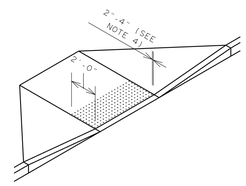
CITY OF ROCHESTER

LAYOUT OF MULTIPLE SIDEWALK ACCESS RAMPS AT RADIUS

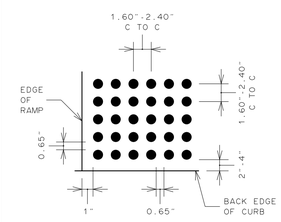
ISSUED	8-2-05	NON-STANDARD
REVISED	3-3-15	DWG.NO.S608-30



DOME SECTION



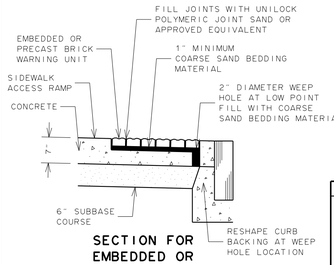
ISOMETRIC



DOME SPACING

NOTES:

1. QUANTITY OF TRUNCATED DOMES SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, TO DEPICT REQUIRED SQUARE GRID PATTERN.
2. TRUNCATED DOMES ARE TO BE ALIGNED IN PARALLEL SQUARE GRID PATTERN IN PREDOMINANT DIRECTION OF TRAVEL.
3. DETECTABLE WARNING SYSTEM FIELD IS TO BE 2 FEET DEEP, AND IS TO EXTEND ACROSS FULL WIDTH OF SIDEWALK ACCESS RAMP, BUT NOT UP SIDE FLARES.
4. DETECTABLE WARNING SYSTEM FIELD IS TO BE LOCATED SUCH THAT OUTER EDGE OF WARNING FIELD NEAREST TO STREET IS 2 TO 4 INCHES OFF BACK EDGE OF CURB.
5. ENTIRE DETECTABLE WARNING SYSTEM FIELD INCLUDING TRUNCATED DOMES, IS TO BE DARK GRAY IN COLOR, PER MUNSELL BOOK NOTATION 10BG 3/1, FEDERAL STANDARD 595B NUMBER 36081 OR DARKER, OR APPROVED EQUIVALENT.

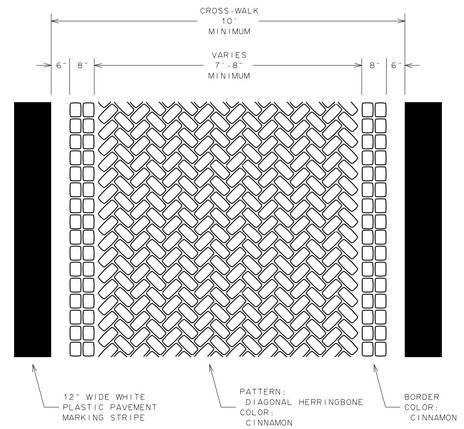


SECTION FOR EMBEDDED OR PRECAST BRICK WARNING UNIT

CITY OF ROCHESTER

DETECTABLE WARNING SYSTEM AT CURB

ISSUED	1-23-03	NON-STANDARD
REVISED	5-1-13	DWG.NO.S608-28



NOTES:

1. INLAY THERMOPLASTIC PAVEMENT MARKING TEMPLATE TO BE MADE FROM METAL, 125 MILS THICK, PRE-SHAPED INTO REQUIRED PATTERN.
2. THERMOPLASTIC MATERIAL TO BE RETRO-REFLECTIVE SHEETS 90 MILS THICK, PRE-CUT INTO REQUIRED PATTERN.

CITY OF ROCHESTER

CROSS-WALK INLAY THERMOPLASTIC PATTERN I

ISSUED	7-11-14	NON-STANDARD
REVISED		DWG.NO.S690-1

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

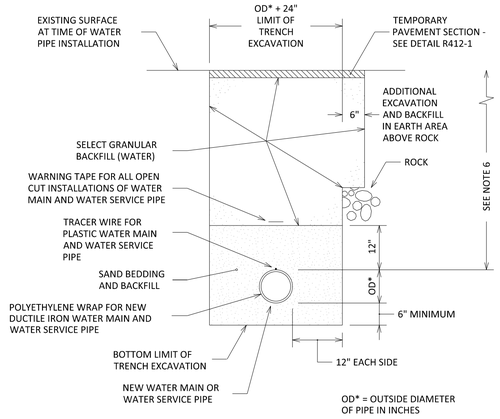
PROJECT TITLE
STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE
DETAILS

DRAWING NO.
38
OF
50



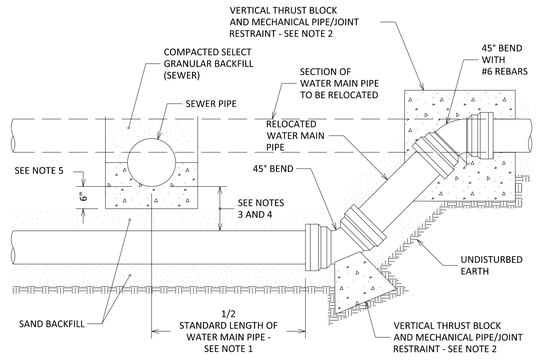
NOTES:

1. LIMITS SHOWN 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 ANY OTHER TYPE OF PIPE SUPPORT IS NOT TO BE USED DURING PIPE INSTALLATION.
6. MINIMUM DEPTH OF COVER FOR WATER PIPE FROM TOP OF PROPOSED GRADE IS 4.50 FEET FOR DOMESTIC WATER PIPE, AND 5 FEET FOR HOLLY WATER PIPE, UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.

CITY OF ROCHESTER

WATER TRENCH PAVEMENT RECONSTRUCTION

ISSUED	1-13-06	NON-STANDARD
REVISED	11-22-10	DWG.NO.S900-1



NOTES:

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 CONTROLLED 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 K CONCRETE OR CRUSHED STONE BEDDING MATERIAL FOR SEWER PIPE.

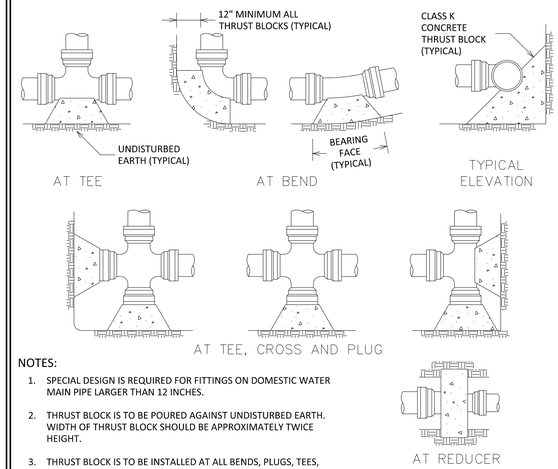
CITY OF ROCHESTER

WATER MAIN CROSSING BELOW SEWER PIPE

ISSUED	1-13-06	NON-STANDARD
REVISED	11-22-10	DWG.NO.S900-3

AREA OF BEARING FACE OF THRUST BLOCK IN SQUARE FEET (AREA BASED ON INTERNAL PRESSURE OF 150 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



NOTES:

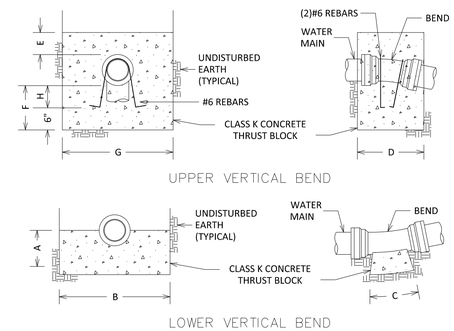
1. SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
2. THRUST BLOCK IS TO BE POURED AGAINST UNDISTURBED EARTH. WIDTH OF THRUST BLOCK SHOULD BE APPROXIMATELY TWICE HEIGHT.
3. THRUST BLOCK IS TO BE INSTALLED AT ALL BENDS, PLUGS, TEES, AND TAPPING SLEEVE AND VALVE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

CITY OF ROCHESTER

HORIZONTAL THRUST BLOCK DOMESTIC SYSTEM

ISSUED	1-13-06	NON-STANDARD
REVISED	8-7-13	DWG.NO.S900-4

PIPE SIZE (INCHES)	BEND	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



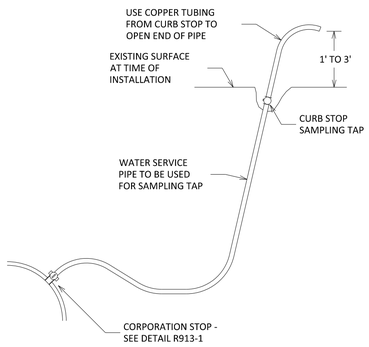
NOTES:

1. SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
2. MECHANICAL RESTRAINT IS REQUIRED IN ADDITION TO THRUST BLOCK, SEE DETAIL S900-7.

CITY OF ROCHESTER

VERTICAL THRUST BLOCK DOMESTIC SYSTEM

ISSUED	1-13-06	NON-STANDARD
REVISED	6-1-09	DWG.NO.S900-5



NOTES:

1. LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY CITY AND MONROE 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

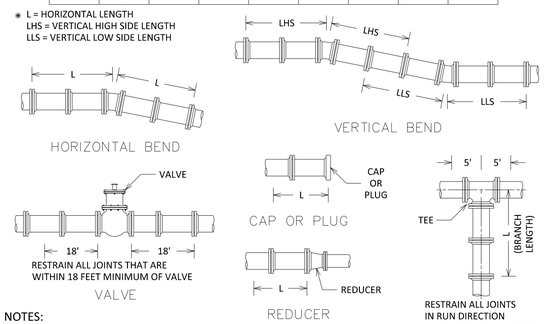
DISINFECTION SAMPLING TAP

ISSUED	1-13-06	NON-STANDARD
REVISED	2-19-15	DWG.NO.S900-6

MINIMUM RESTRAINED LENGTH FOR WATER MAIN PIPE ADJACENT TO FITTINGS (IN FEET) (BASED ON INTERNAL PRESSURE OF 150 PSI) (SEE NOTE 1)

PIPE SIZE (INCHES)	MINIMUM LENGTH *	90°	45°	22-1/2°	11-1/4°	REDUCER	TEE	CAP PLUG
4" - 6"	L	16	7	3	2	29	16	56
	LHS	49	24	12	6	---	---	---
	LLS	16	6	3	2	---	---	---
8"	L	20	9	4	2	31	33	74
	LHS	64	31	15	8	---	---	---
	LLS	20	8	4	2	---	---	---
12"	L	28	12	6	3	56	64	105
	LHS	91	44	21	11	---	---	---
	LLS	28	11	5	3	---	---	---

* L = HORIZONTAL LENGTH
LHS = VERTICAL HIGH SIDE LENGTH
LLS = VERTICAL LOW SIDE LENGTH



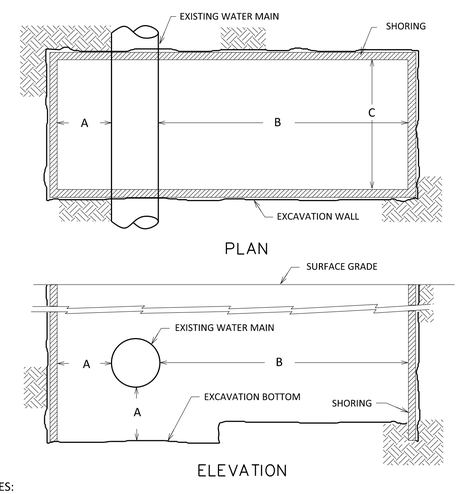
NOTES:

1. SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES AND FOR REDUCERS HAVING MORE THAN ONE PIPE SIZE DIFFERENCE.
2. CONCRETE THRUST BLOCK IS TO BE USED IN ADDITION TO MECHANICAL RESTRAINT DEVICES, SEE DETAILS S900-4 AND S900-5.
3. ALL PLASTIC AND POLYETHYLENE WRAPPED DUCTILE IRON DOMESTIC WATER MAIN PIPE AND FITTING JOINTS WITHIN L-LHS-LLS DIMENSIONS MUST BE RESTRAINED USING APPROVED MECHANICAL RESTRAINT DEVICE.
4. ASSUMPTION: SP SOILS, 4.50 FEET COVER, AND TYPE 4 LAYING CONDITION.

CITY OF ROCHESTER

WATER MAIN PIPE RESTRAINT DOMESTIC SYSTEM

ISSUED	5-8-08	NON-STANDARD
REVISED	9-1-09	DWG.NO.S900-7



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EXCAVATIONS ARE ADEQUATELY PROTECTED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
2. 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.
3. 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.

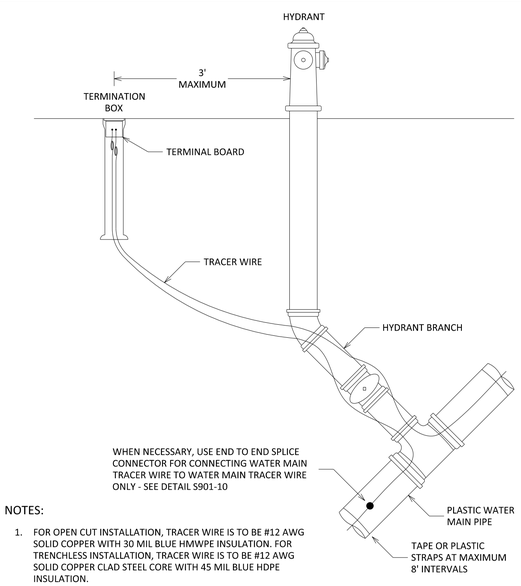
MINIMUM CLEARANCE DIMENSIONS

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.S900-12



NOTES:

1. 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 HDPE INSULATION.
2. FOR 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	1-13-06	NON-STANDARD
REVISED	6-1-09	DWG.NO.S901-8

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

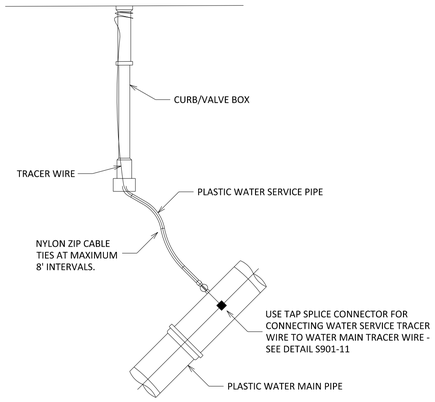
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE
DETAILS

DRAWING NO.
39
OF
50



NOTES:

1. 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 HDPE INSULATION.

2. 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 8 FEET INTERVALS.

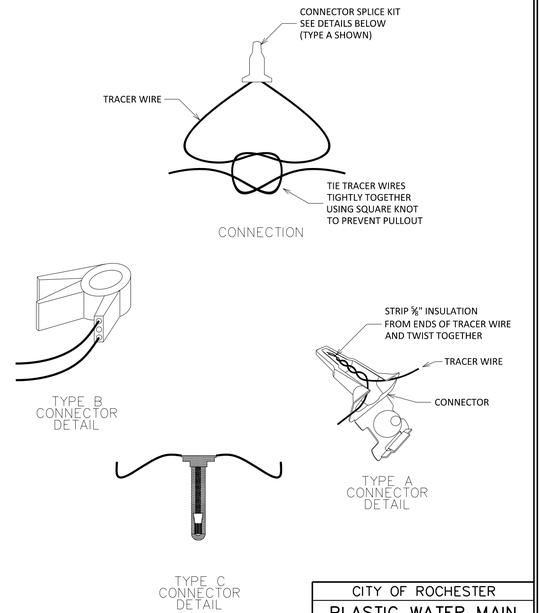
3. FOR CURB/VALVE BOX IN LAWN AREA, EXTEND WATER SERVICE TRACER WIRE UP OUTSIDE OF CURB/VALVE BOX WINDING END 3 TIMES AROUND AND APPROXIMATELY 1 INCH BELOW TOP OF CURB/VALVE BOX. FOR CURB/VALVE BOX IN PAVED AREA, EXTEND WATER SERVICE TRACER WIRE UP INSIDE OF CURB/VALVE BOX LEAVING MINIMUM OF 3 FEET OF WATER SERVICE TRACER WIRE COILED UP INSIDE TOP OF CURB/VALVE BOX.

4. 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 SERVICE TRACER WIRE INSTALLATION

ISSUED	1-13-06	NON-STANDARD
REVISED	2-19-15	DWG.NO.S901-9



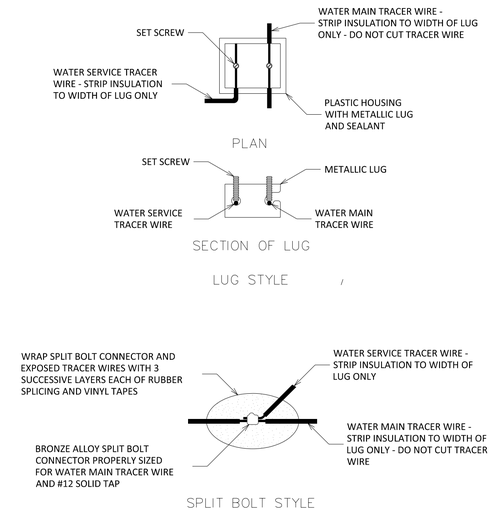
NOTE:

END TO END SPLICE 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 SPLICE CONNECTION

ISSUED	6-1-09	NON-STANDARD
REVISED	2-19-15	DWG.NO.S901-10



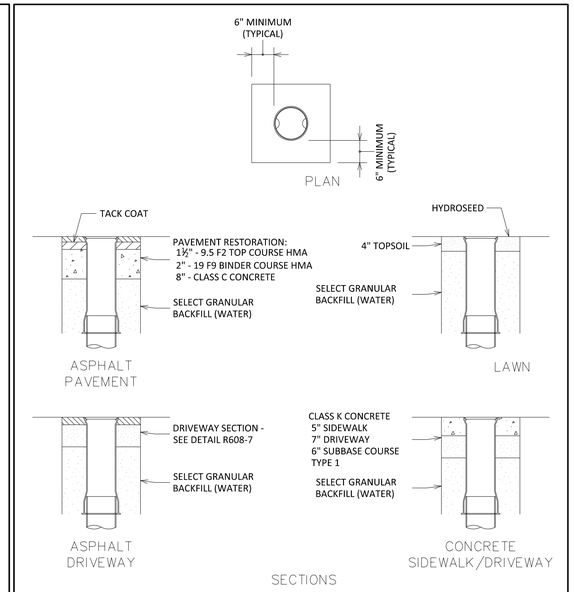
NOTE:

TAP SPLICE 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 SPLICE CONNECTION

ISSUED	6-1-09	NON-STANDARD
REVISED		DWG.NO.S901-11



NOTES:

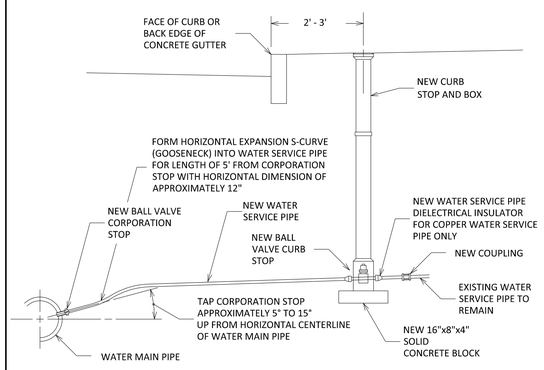
1. ADJUST EXISTING WATER VALVE BOX AND COVER, OR INSTALL NEW WATER VALVE BOX AND COVER. SET TOP TO GRADE.

2. 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.S909-1



NOTES:

1. WATER SERVICE PIPE IS TO HAVE MINIMUM COVER DEPTH OF 4.50 FEET FROM FINISHED SURFACE.

2. WATER SERVICE TAP IS TO BE MADE ON CUSTOMER SIDE OF WATER MAIN PIPE. FOR PLASTIC WATER MAIN PIPE USE WIDE STRAP BRASS TAPPING SADDLE. FOR CAST/DUCTILE IRON WATER MAIN PIPE USE DOUBLE STRAP BRASS TAPPING SADDLE, SEE TABLE.

3. WATER SERVICE PIPE IS TO RUN PERPENDICULAR TO WATER MAIN PIPE.

4. FOR WATER SERVICE PIPE 1½ INCHES AND LARGER, ADD CURB BOX ARCH TO CURB BOX.

5. TRACER WIRE MUST BE INSTALLED FOR PLASTIC WATER SERVICE PIPE, SEE DETAILS S901-9 AND S901-11.

6. MAGNESIUM ANODE MUST BE INSTALLED FOR COPPER WATER SERVICE PIPE, SEE DETAIL S966-3.

7. WARNING TAPE MUST BE INSTALLED WITH ALL OPEN CUT TRENCHED WATER SERVICE PIPE INSTALLATIONS.

8. REFER TO WATER BUREAU'S APPROVED PRODUCT LIST FOR LIST OF APPROVED WATER SERVICE PRODUCTS.

SERVICE SADDLE REQUIREMENTS FOR TAPS ON CAST/DUCTILE IRON WATER MAIN PIPE	
WATER MAIN PIPE SIZE (INCHES)	MAXIMUM TAP SIZE ALLOWED w/o SERVICE SADDLE (INCHES)
4" - 6"	ALL TAPS REQUIRE SADDLE
8" - 10"	¾"
12"	1"
16" AND LARGER	1½"

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:

1. WATER SERVICE CARD WILL BE SUPPLIED BY WATER BUREAU. REQUIRED INFORMATION IS TO BE TYPED OR NEATLY PRINTED ON WATER SERVICE CARD.

2. WATER SERVICE CARD FOR WATER SERVICE THAT IS ABANDONED AT TAP IS TO BE MARKED "ABANDONED AT TAP" ACROSS FACE OF WATER SERVICE CARD WITH CONTRACTOR'S NAME AND DATE ABANDONED BEING NOTED.

3. 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.

4. 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 PERMANANT FEATURE, PRE-APPROVED BY THE WATER BUREAU, SHALL BE USED FOR THE CURB STOP MEASUREMENT.

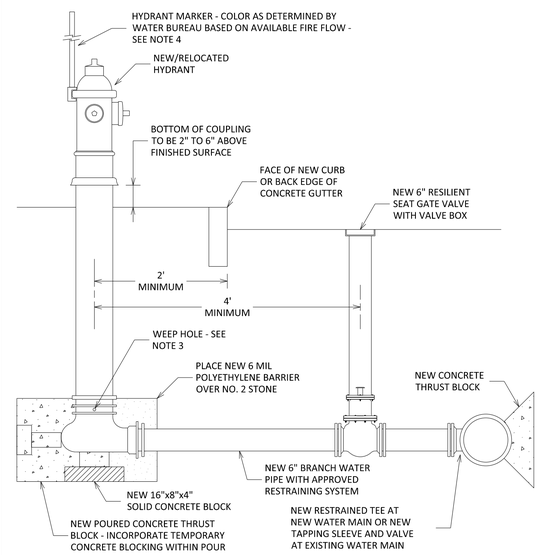
5. MEASUREMENTS ARE TO BE ENTERED IN TENTHS OF FEET. DO NOT USE INCHES. ROUNDING TO THE NEAREST 0.5 FEET IS ACCEPTABLE.

6. IF SERVICE IS INSTALLED WITH HORIZONTAL BEND, DRAW A SKETCH ON THE BACK OF THE CARD SHOWING THE LOCATIONS 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



NOTES:

1. PUMPER CONNECTION IS TO FACE PAVEMENT.

2. MECHANICAL JOINT OFFSET OR HYDRANT EXTENSION KIT CAN BE USED TO SET HYDRANT AT PROPER ELEVATION.

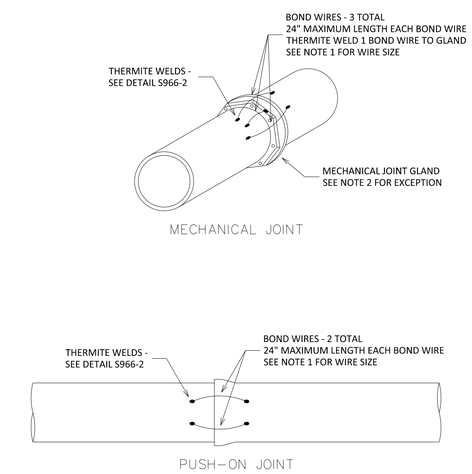
3. WHEN GROUND WATER IS ENCOUNTERED IN TRENCH, IF APPROVED OF BY CITY, HYDRANT WEEP HOLES MAY BE PLUGGED AND STONE DRAIN OMITTED. CONTRACTOR IS TO NOTIFY WATER BUREAU IN WRITING WHEN WEEP HOLES HAVE BEEN PLUGGED.

4. HYDRANT MARKERS TO BE FURNISHED AND INSTALLED BY WATER BUREAU UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.

CITY OF ROCHESTER

HYDRANT AND VALVE WITH NEW BRANCH

ISSUED	9-2-91	STD. DWG.
REVISED	2-19-15	NO. R917-1



NOTES:

1. USE #8 AWG STRANDED COPPER WIRE WITH HMWPE INSULATION FOR JOINT BONDS ON PIPE SIZES 12 INCHES IN DIAMETER AND SMALLER AND USE #4 AWG STRANDED COPPER WIRE WITH HMWPE INSULATION FOR JOINT BONDS ON PIPE SIZES LARGER THAN 12 INCHES IN DIAMETER.

2. JOINT BONDS ARE NOT REQUIRED AT MECHANICAL JOINTS WHERE MECHANICAL JOINT RESTRAINT GLANDS HAVE BEEN INSTALLED

3. PIPE AND FITTING GASKETS ARE TO BE COVERED AND PROTECTED FROM DAMAGE WHEN INSTALLING JOINT BONDS

CITY OF ROCHESTER

JOINT BOND FOR METALLIC WATER MAIN PIPE/FITTING

ISSUED	1-13-06	NON-STANDARD
REVISED	9-16-13	DWG.NO.S962-1

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

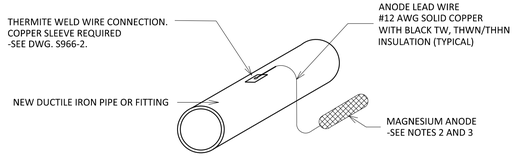
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

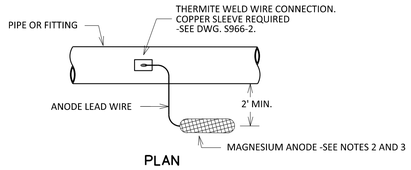
NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

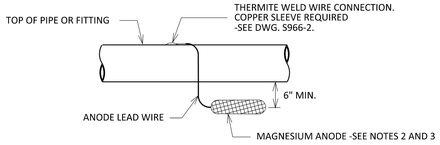
DRAWING TITLE
DETAILS

DRAWING NO.
40
OF
50





PLAN



ELEVATION

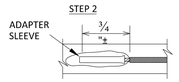
NOTES:

1. PIPE/FITTING PROTECTIVE WRAP IS NOT SHOWN FOR CLARITY. UNLESS OTHERWISE NOTED, DUTILE IRON WATER MAIN SHALL BE WRAPPED WITH POLYETHYLENE WRAP AND NON-EPOXY COATED DUCTILE IRON FITTINGS ON PLASTIC WATER MAINS SHALL BE COATED WITH PRIMER AND WAX TAPE.
2. USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. WEIGHT OF ANODE INGOT (EXCLUDING BACKFILL) AND SPACING OF ANODES ALONG DUCTILE IRON WATER MAIN AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
3. ANODE IS TO BE PLACED IN TRENCH WITH ANODE CENTERLINE 6 INCHES MINIMUM BELOW BOTTOM OF PIPE OR FITTING AND 2 FEET MINIMUM FROM SIDE WALL OF PIPE OR FITTING. ANODE TO BE SURROUNDED WITH NATIVE BACKFILL.

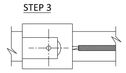
CITY OF ROCHESTER
ANODE AT NEW DUCTILE IRON WATER MAIN OR DUCTILE IRON FITTING ON NEW PLASTIC WATER MAIN

ISSUED	3-21-02	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-1

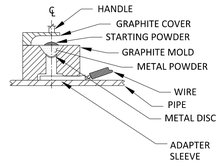
CLEAN PIPE SURFACE AT WELD LOCATION TO BRIGHT METAL USING MECHANICAL GRINDER

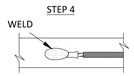


STRIP INSULATION FROM WIRE. INSERT WIRE IN COPPER ADAPTER SLEEVE IF WIRE IS #12 AWG OR SMALLER -SEE NOTE 3

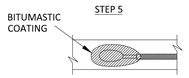


HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR - IGNITE STARTING POWDER.





TEST WELD INTEGRITY (SEE NOTE #4) REMOVE SLAG FROM CONNECTION AND THOROUGHLY CLEAN WELD AREA



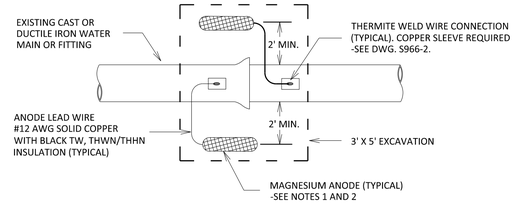
COAT ALL EXPOSED METAL AT WELD AREA WITH ONE COAT OF BRUSH APPLIED BITUMASTIC PROTECTIVE COATING

NOTES:

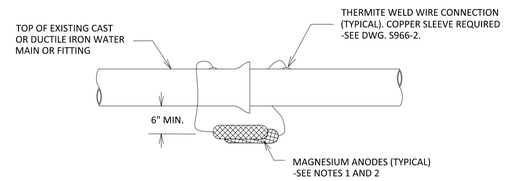
1. FOLLOW MANUFACTURER'S PROCEDURES AND RECOMMENDATIONS WHEN THERMITE WELDING.
2. USE APPROPRIATE WELD MOLDS AND WELD METALS FOR SPECIFIC SIZE AND MATERIAL OF PIPE THAT WIRE IS BEING ATTACHED TO.
3. WHEN THERMITE WELDING #12 AWG WIRES OR SMALLER, INSERT END OF WIRE INTO AN APPROVED COPPER SLEEVE PRIOR TO THERMITE WELDING AND CRIMP SLEEVE ON WIRE.
4. TEST WELD INTEGRITY BY STRIKING WELD WITH A HAMMER AFTER WELD HAS COOLED. AVOID STRIKING WIRE.

CITY OF ROCHESTER
THERMITE WELD DETAILS

ISSUED	10-17-08	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-2



PLAN



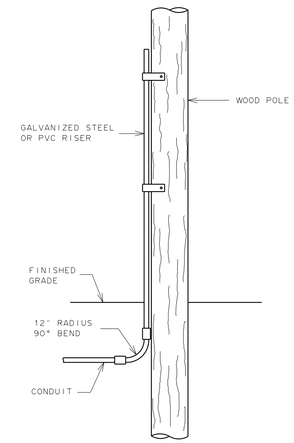
ELEVATION

NOTES:

1. USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. BARE WEIGHT OF ANODE INGOT (EXCLUDING BACKFILL) AND NUMBER OF ANODES AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
2. ANODE IS TO BE PLACED IN TRENCH, WITH ANODE CENTERLINE 6 INCHES MINIMUM BELOW BOTTOM OF MAIN AND 2 FEET MINIMUM FROM SIDE WALL OF MAIN. ANODE TO BE SURROUNDED WITH NATIVE BACKFILL.
3. WHEN FOUR ANODES ARE REQUIRED AT EACH JOINT, TWO ANODES SHALL BE INSTALLED ON EACH SIDE OF PIPE WITH 3 FEET SEPARATION BETWEEN ANODES ON EACH SIDE OF PIPE. EXCAVATED AREA SHALL BE EXTENDED ALONG LENGTH OF WATER MAIN, AS NEEDED.

CITY OF ROCHESTER
ANODE AT EXISTING DUCTILE/CAST IRON PIPE JOINT (RECONSTRUCTION)

ISSUED	12-21-09	NON-STANDARD
REVISED	12-28-10	DWG.NO.S966-5

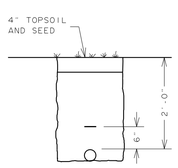


NOTES:

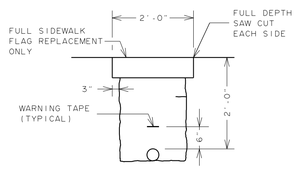
RISER IS TO BE PROPERLY GROUNDED AND IS TO EXTEND TO THE FUSE POINT LOCATED ON THE WOOD POLE

CITY OF ROCHESTER
CONNECTION TO WOOD POLE

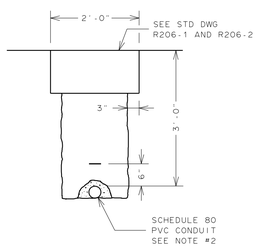
ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-17



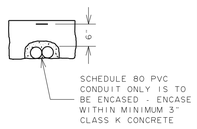
LAWN AREA



DRIVEWAY OR SIDEWALK CROSSING



ROADWAY CROSSING



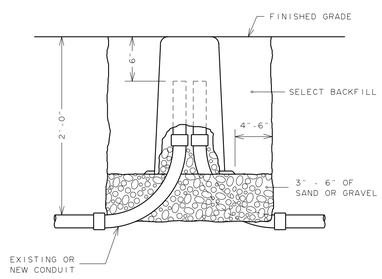
MULTIPLE CONDUITS

NOTES:

1. ALL CONDUIT RUNS ARE TO DRAIN INTO THE PULLBOX.
2. IF REQUIRED BY PROJECT MANAGER, CONDUIT FOR ROADWAY CROSSINGS IS TO BE ENCASED WITHIN CLASS K CONCRETE - FROM PULLBOX TO PULLBOX, OR FROM PULLBOX TO LIGHT POLE.

CITY OF ROCHESTER
CONDUIT TRENCH

ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-1

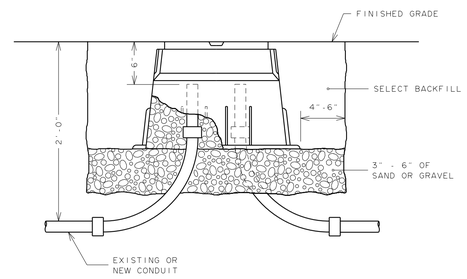


NOTES:

1. PLACE 3 TO 6 INCHES OF SAND OR GRAVEL IN BOTTOM OF EXCAVATION.
2. IF NECESSARY, USE CONDUIT EXTENSION AND COUPLING TO EXTEND EXISTING CONDUIT TO FINISHED GRADE.
3. PULLBOX WILL BE AS PROVIDED BY THE CITY.
4. PULLBOX WITH CONCRETE RING AND STEEL COVER WILL BE USED FOR INSTALLATION IN PAVED AREAS.

CITY OF ROCHESTER
FIBERGLASS PULLBOX INSTALLATION

ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-4

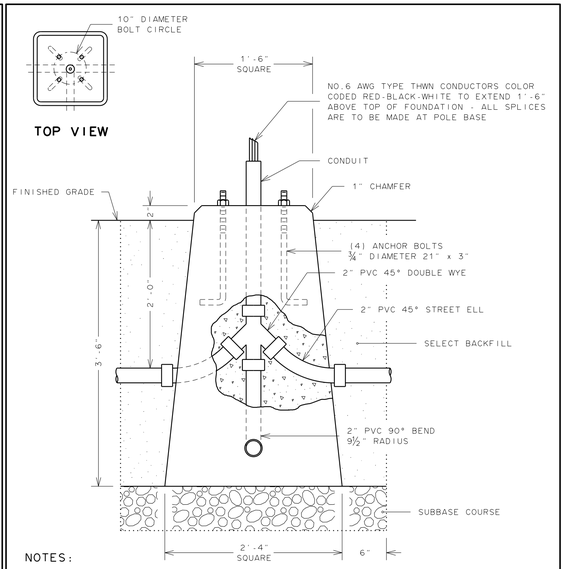


NOTES:

1. PLACE 3 TO 6 INCHES OF SAND OR GRAVEL IN BOTTOM OF EXCAVATION.
2. IF NECESSARY, USE CONDUIT EXTENSION AND COUPLING TO EXTEND EXISTING CONDUIT TO FINISHED GRADE.
3. HANDHOLE WILL BE AS PROVIDED BY THE CITY.

CITY OF ROCHESTER
FIBERGLASS HANDHOLE INSTALLATION

ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-5



NOTES:

1. FOUNDATION TO BE MADE OF CLASS K CONCRETE. TOP OF FOUNDATION TO BE 2 INCHES ABOVE FINISHED GRADE.
2. TOP OF ANCHOR BOLTS TO EXTEND 2 INCHES ABOVE TOP OF FOUNDATION.
3. TOP OF CONDUIT TO EXTEND 6 INCHES ABOVE TOP OF FOUNDATION.
4. ALL CONDUIT CONNECTIONS IN FOUNDATION TO HAVE DOUBLE WYE TYPE OPENING.
5. SUPPLY TWO NEW LEVELING SHIMS FOR EACH EXISTING ANCHOR BOLT FOR LEVELING BASE PLATE AND TO PLUMB POLE.

CITY OF ROCHESTER
FIBERGLASS POLE PRECAST FOUNDATION

ISSUED	9-2-91	STD. DWG.
REVISED	4-28-06	NO. R671-9

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

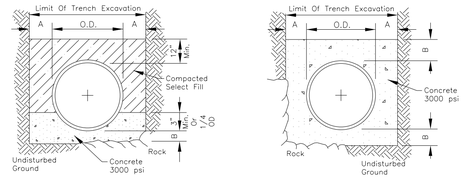
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR
DRAWN	RKS
DESIGN	LYR
SCALE	NONE
PROJECT NUMBER	12109

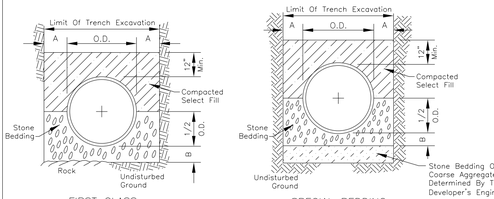
DRAWING TITLE
DETAILS

DRAWING NO.
41
OF
50



CONCRETE CRADLE
CLASS "A"

CONCRETE ENCASEMENT



FIRST CLASS
CLASS "B"

SPECIAL BEDDING
IN UNSTABLE MATERIAL

PIPE DIA.	DIM. A	DIM. B
UP TO 18"	1.0'	6"
21" TO 36"	1.5'	9"
OVER 36"	1.5'	12"

NOTES:

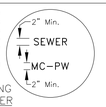
1. Trench backfill shall be as required by the highway owner.
2. Select fill shall be sand, gravel, and similar material which shall be free from clay, loam, organic material, debris, frozen material and shall contain only small amounts of stone, pebbles, or lumps over one inch in greatest dimension, but none over two inches in greatest dimension.
3. Stone bedding shall mean approved imported aggregate meeting the requirements of the New York State Department of Transportation, Standard Specification, "Crushed Stone", primary size 1 or a mixture of primary size 1 and 2, washed.
4. Coarse aggregate shall mean approved imported aggregate meeting the requirements of the New York State Department of Transportation, Standard Specification, "Crushed Stone", primary size 3 or a mixture of primary size 3 and 4.
5. This Figure 1.01 applies to Pure Waters sanitary, storm, and combined mainline sewers and lateral pipe installations, as well as forcemains.

MONROE COUNTY PURE WATERS

Feb 2005 | BEDDING DETAILS | FIGURE 1.01

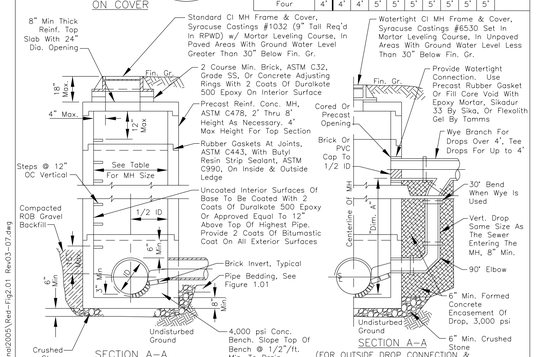
Filename: RedBookFinal2005\Red-Fig1.01.dwg
Time Printed: Tues Feb 15 09:45 2005

The Word "SEWER" And The Letters "MC-PW" In Letters Not Less Than 2-Inches High Shall Be Cast Into Manhole Covers. Syracuse Castings #1007 Cl Cover Or Approved Equal



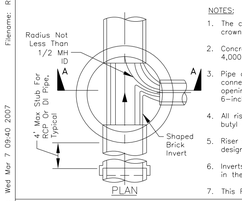
LETTERING ON COVER

# Of Connections	MINIMUM MANHOLE DIAMETERS — PIPE DIAMETERS 8"	10"	12"	15"	16"	18"	21"	24"	30"	36"	42" & Up
One	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	Requires Special Manhole
Two	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	
Three	4'	4'	4'	4'	4'	4'	5'	5'	5'	5'	
Four	4'	4'	4'	5'	5'	5'	5'	5'	5'	5'	



NOTES:

1. The crown of the influent sewer(s) should be at the same level or above the crown of the outlet sewer.
2. Concrete for structure shall have a minimum 28 day compressive strength of 4,000 psi.
3. Pipe connection to manhole shall be precast opening with flexible boot connector, PSX by Press-Seal Gasket Corp. or approved equal, or field cored opening. Cored openings in manhole riser sections shall be not less than 6-inches from a riser joint.
4. All riser joints shall be rubber ring gaskets conforming to ASTM C443, with butyl resin strip sealant on the inside and outside ledge of joints.
5. Riser sections & top slabs shall conform with ASTM C478, with HS-20 loading design.
6. Inverts shall be constructed with brick, ASTM C32, grade SS, soldier course laid in the direction of flow.
7. This Figure 2.01 applies to Pure Waters sanitary, storm, and combined sewers.



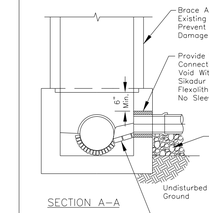
MONROE COUNTY PURE WATERS

MARCH 2007 | MANHOLE DETAILS WITH PRECAST REINFORCED CONCRETE BASE | FIGURE 2.01

Filename: RedBookFinal2005\Red-Fig2.01 Rev03-07.dwg
Time Printed: Wed Mar 7 09:40 2007

SPECIAL NOTE:

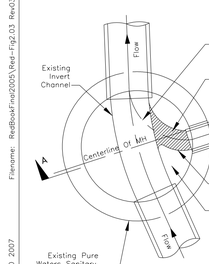
Storm sewers shall not be connected to sanitary sewers, and sanitary sewers shall not be connected to storm sewers.

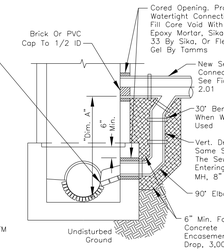


SECTION A-A

NOTES:

1. Notify Pure Waters a minimum of 48 hours in advance of construction for inspection of connection. Telephone (585) 760-7600, Option 5.
2. New openings for pipe may be cored or drilled. Impact devices are not allowed for creating openings in existing manholes or chambers. Cored openings in manhole riser sections shall be not less than 6-inches from a riser joint.
3. Stub at manhole shall not exceed 100 degrees alignment entering against the existing upstream sewer.
4. Provide a pipe joint within 4-feet maximum of the outside face of manhole for reinforced concrete or ductile iron pipe.
5. Construct the crown of new sewer not lower than the crown of the existing main sewer. Construct the invert of the new sewer 3-inches minimum above the existing main sewer invert.
6. Construct top of new bench to springline of new sewer pipe.
7. Coat all disturbed surfaces of the manhole with 2 coats of Duralkote 500 epoxy or approved equal for interior of base and 2 coats of bitumastic for all exterior surfaces.



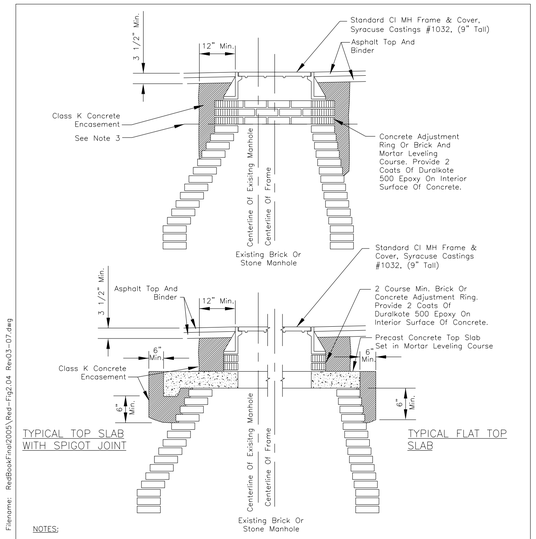


SECTION A-A
(FOR OUTSIDE DROP CONNECTION)
Where Dim. "A" Is Equal To Or Greater Than 2' For Sanitary Sewers, Or Equal To Or Greater Than 5' For Storm Sewers

MONROE COUNTY PURE WATERS

MARCH 2007 | SEWER CONNECTIONS TO EXISTING MANHOLE | FIGURE 2.03

Filename: RedBookFinal2005\Red-Fig2.03 Rev03-07.dwg
Time Printed: Wed Mar 7 10:00 2007



NOTES:

1. Provide appropriate measures to prevent surface water, mud, and foreign material from entering the sewer system during construction, by plugging, pumping, bailing, and other work as necessary.
2. Remove/Add courses of brick/block, or install concrete adjustment ring to retrofit manhole frame and cover onto existing manhole riser at the required finished grade.
3. The lower limit of the Class K concrete encasement shall be at, or below, the lowest portion of the leveling course.
4. Brick for frame leveling course, ASTM C32, Grade SS.

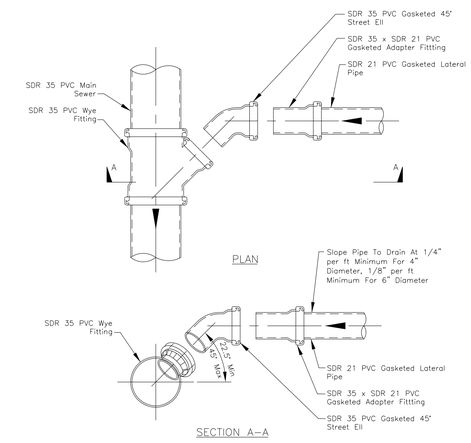
Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.

Former City of Rochester Std. Dwg. No. R604-10

MONROE COUNTY PURE WATERS

MARCH 2007 | MANHOLE FRAME AND COVER ADJUSTMENT FOR BRICK AND STONE STRUCTURES | FIGURE 2.04

Filename: RedBookFinal2005\Red-Fig2.04 Rev03-07.dwg
Time Printed: Wed Mar 7 10:05 2007



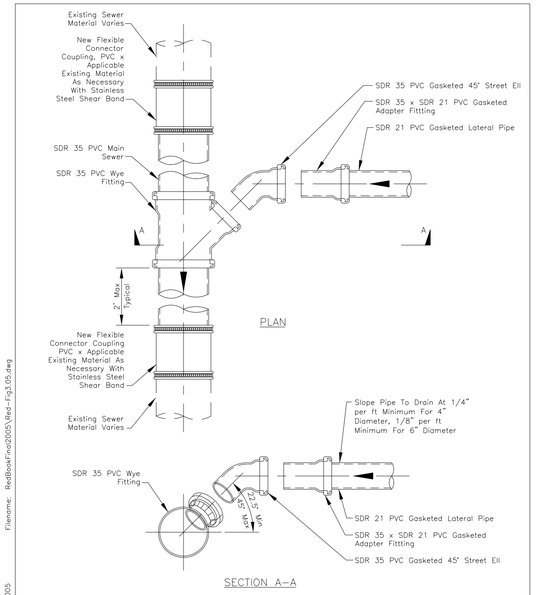
NOTES:

1. Main sewer pipe, lateral pipe, wye and other fittings shall be gasketed type fittings. Solvent weld joints are not allowed, except at cleanouts, see Figures 4.01-4.07.
2. See Figure 1.01 for pipe bedding and backfill.

MONROE COUNTY PURE WATERS

Feb 2005 | NEW LATERAL WYE CONNECTION TO NEW SEWER | FIGURE 3.03

Filename: RedBookFinal2005\Red-Fig3.03.dwg
Time Printed: Tues Feb 15 09:45 2005



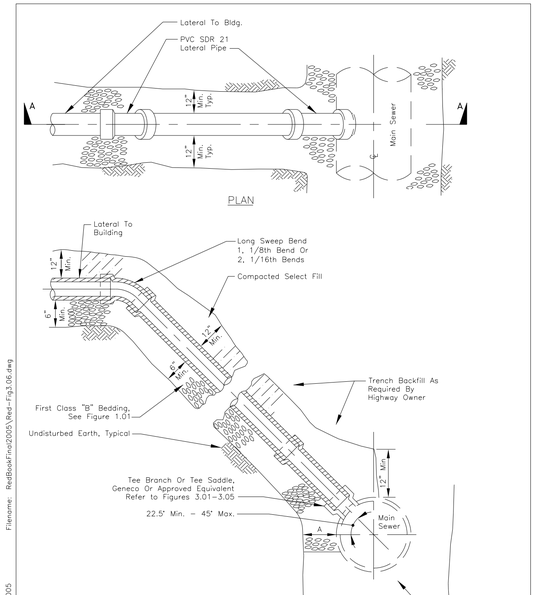
NOTES:

1. Main sewer pipe, lateral pipe, wye and other fittings shall be gasketed type fittings. Solvent weld joints are not allowed, except at cleanouts, see Figures 4.01-4.07.
2. See Figure 1.01 for pipe bedding and backfill.
3. This detail does not apply to existing PVC sewers. See Figure 3.04 for connection to existing PVC Sewer.

MONROE COUNTY PURE WATERS

Feb 2005 | NEW LATERAL WYE CONNECTION TO EXISTING NON-PVC SEWER | FIGURE 3.05

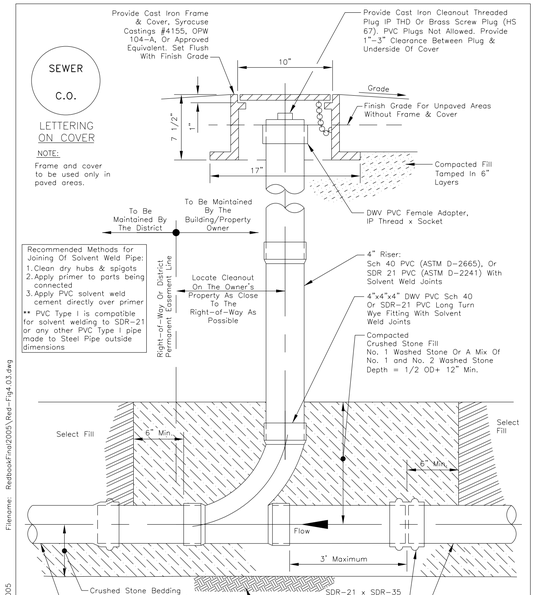
Filename: RedBookFinal2005\Red-Fig3.05.dwg
Time Printed: Tues Feb 15 09:45 2005



MONROE COUNTY PURE WATERS

Feb 2005 | LATERAL RISER CONNECTION | FIGURE 3.06

Filename: RedBookFinal2005\Red-Fig3.06.dwg
Time Printed: Tues Feb 15 09:45 2005



Typical Detail For RPWD Only.

MONROE COUNTY PURE WATERS

Feb 2005 | RPWD RECOMMENDED CLEANOUT FOR NEW 4" LATERAL CONNECTION | FIGURE 4.03

Filename: RedBookFinal2005\Red-Fig4.03.dwg
Time Printed: Tues Feb 15 09:45 2005

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

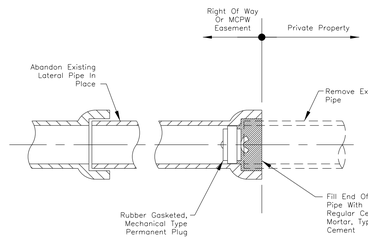
PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

NO.	REVISION	BY	DATE

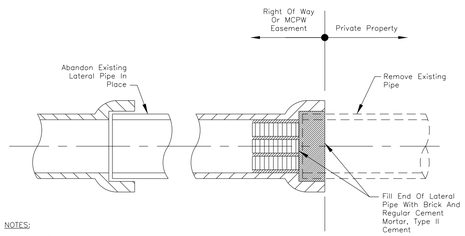
ISSUED: JUNE 1, 2015
CHECKED: LYR
DRAWN: RKS
DESIGN: LYR
SCALE: NONE
PROJECT NUMBER: 12109

DRAWING TITLE: DETAILS

DRAWING NO. 42 OF 50



LATERAL ABANDONMENT FOR PIPE
DIAMETER OF 6" OR LESS



LATERAL ABANDONMENT FOR PIPE
DIAMETER GREATER THAN 6"

NOTES:

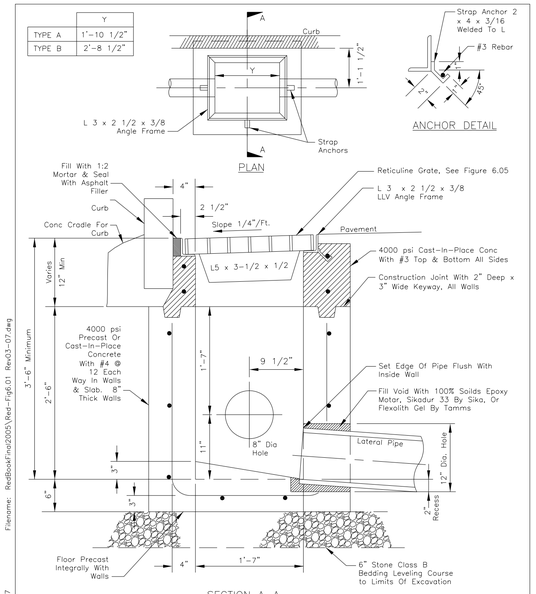
1. Lateral Abandonment must be witnessed by a representative of the District. Notify Pure Waters a minimum of 48 hours in advance of construction for inspection of the lateral abandonment. Telephone (585) 760-7600, Option 5.
2. Brick for plug: ASTM C-32, Grade SS.

MONROE COUNTY PURE WATERS

Feb 2005	LATERAL ABANDONMENT DETAIL	FIGURE 5.01

Filename: RedBookFinal2005\Red-Fig5.01.dwg
Time Printed: Tues Feb 15 09:45 2005

	Y
TYPE A	1'-10 1/2"
TYPE B	2'-8 1/2"



NOTES:

1. Coat interior of catch basin with 2 coats of Duralkote 500 Epoxy or approved equal.
2. Coat exterior of catch basin with 2 coats of bituminous coating.

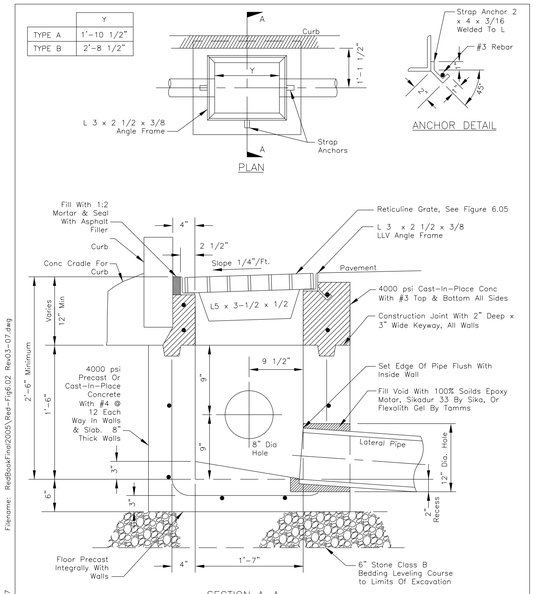
Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R604-2

MONROE COUNTY PURE WATERS

MARCH 2007	TYPE A & B CATCH BASIN	FIGURE 6.01

Filename: RedBookFinal2005\Red-Fig6.01 Rev03-07.dwg
Time Printed: Wed Mar 7 12:35 2007

	Y
TYPE A	1'-10 1/2"
TYPE B	2'-8 1/2"



NOTES:

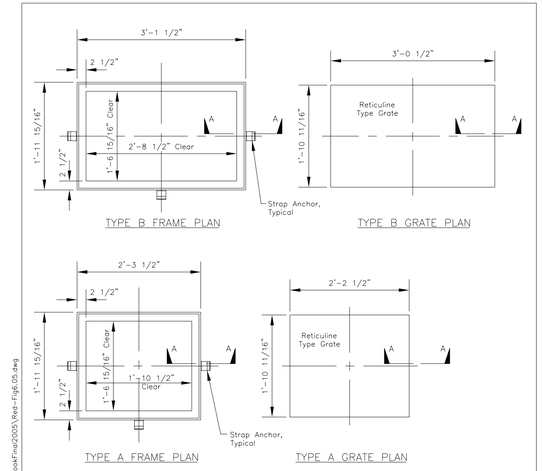
1. Coat interior of catch basin with 2 coats of Duralkote 500 Epoxyvor approved equal.
2. Coat exterior of catch basin with 2 coats of bituminous coating.

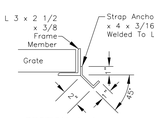
Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R604-3

MONROE COUNTY PURE WATERS

MARCH 2007	TYPE A & B CATCH BASIN SHALLOW DEPTH	FIGURE 6.02

Filename: RedBookFinal2005\Red-Fig6.02 Rev03-07.dwg
Time Printed: Wed Mar 7 12:40 2007





SECTION A-A
ANCHOR DETAIL
(For Reticuline Grate, 3 Required)

NOTES:

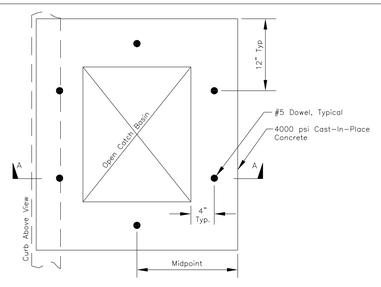
1. Frames and grates shall be galvanized steel reticuline type, Syracuse Castings Model NYSDOT #1 for Type A, and Model NYSDOT #3 for Type B, or approved equal. Units shall be designed for H-20 loading. Complete unit shall be hot dip galvanized after fabrication, ASTM A123.

Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R655-1

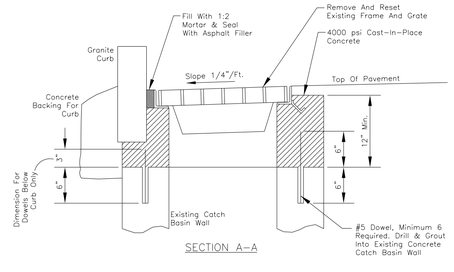
MONROE COUNTY PURE WATERS

Feb 2005	TYPE A & B CATCH BASIN FRAME AND GRATE	FIGURE 6.05

Filename: RedBookFinal2005\Red-Fig6.05.dwg
Time Printed: Tues Feb 15 09:45 2005



PLAN VIEW BELOW GRATE



SECTION A-A

NOTES:

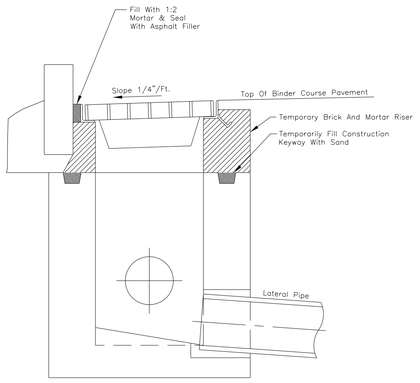
1. Scarify and/or remove top of existing catch basin walls to sufficient depth to accommodate new concrete cap. Coat top surface with epoxy polysulfide grout per NYSDOT Sub-Section 721-03 prior to pouring new cap.
2. Coat interior of new concrete construction with 2 coats of Duralkote 500 Epoxy or approved equal.
3. Coat exposed exterior of new concrete construction with 2 coats of bituminous coating.

Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R604-7

MONROE COUNTY PURE WATERS

MARCH 2007	CATCH BASIN FRAME AND COVER ADJUSTMENT	FIGURE 6.10

Filename: RedBookFinal2005\Red-Fig6.10 Rev03-07.dwg
Time Printed: Wed Mar 7 12:55 2007



SECTION VIEW

NOTES:

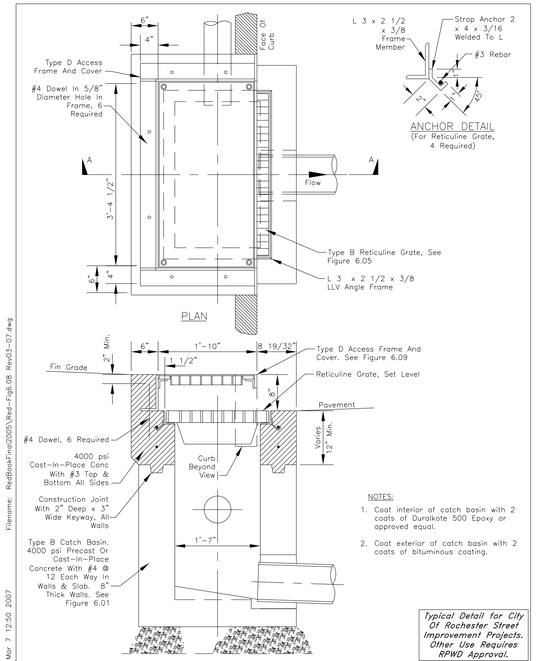
1. To be used when it is necessary to temporarily set a new catch basin grate during the winter season shut down.

Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R604-9

MONROE COUNTY PURE WATERS

Feb 2005	TEMPORARY BRICK RISER FOR NEW CATCH BASIN	FIGURE 6.12

Filename: RedBookFinal2005\Red-Fig6.12.dwg
Time Printed: Tues Feb 15 09:45 2005



NOTES:

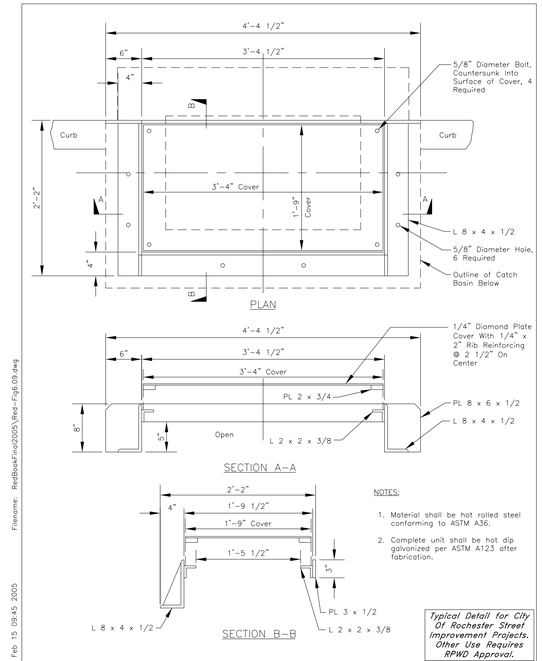
1. Coat interior of catch basin with 2 coats of Duralkote 500 Epoxy or approved equal.
2. Coat exterior of catch basin with 2 coats of bituminous coating.

Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R604-6

MONROE COUNTY PURE WATERS

MARCH 2007	TYPE D CATCH BASIN	FIGURE 6.08

Filename: RedBookFinal2005\Red-Fig6.08 Rev03-07.dwg
Time Printed: Wed Mar 7 12:50 2007



NOTES:

1. Material shall be hot rolled steel conforming to ASTM A36.
2. Complete unit shall be hot dip galvanized per ASTM A123 after fabrication.

Typical Detail for City Of Rochester Street Improvement Projects. Other Use Requires RPWD Approval.
Former City of Rochester Std. Dwg. No. R655-3

MONROE COUNTY PURE WATERS

Feb 2005	TYPE D CATCH BASIN ACCESS FRAME AND COVER	FIGURE 6.09

Filename: RedBookFinal2005\Red-Fig6.09.dwg
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Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR
DRAWN RKS
DESIGN LYR
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
DETAILS

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43
OF
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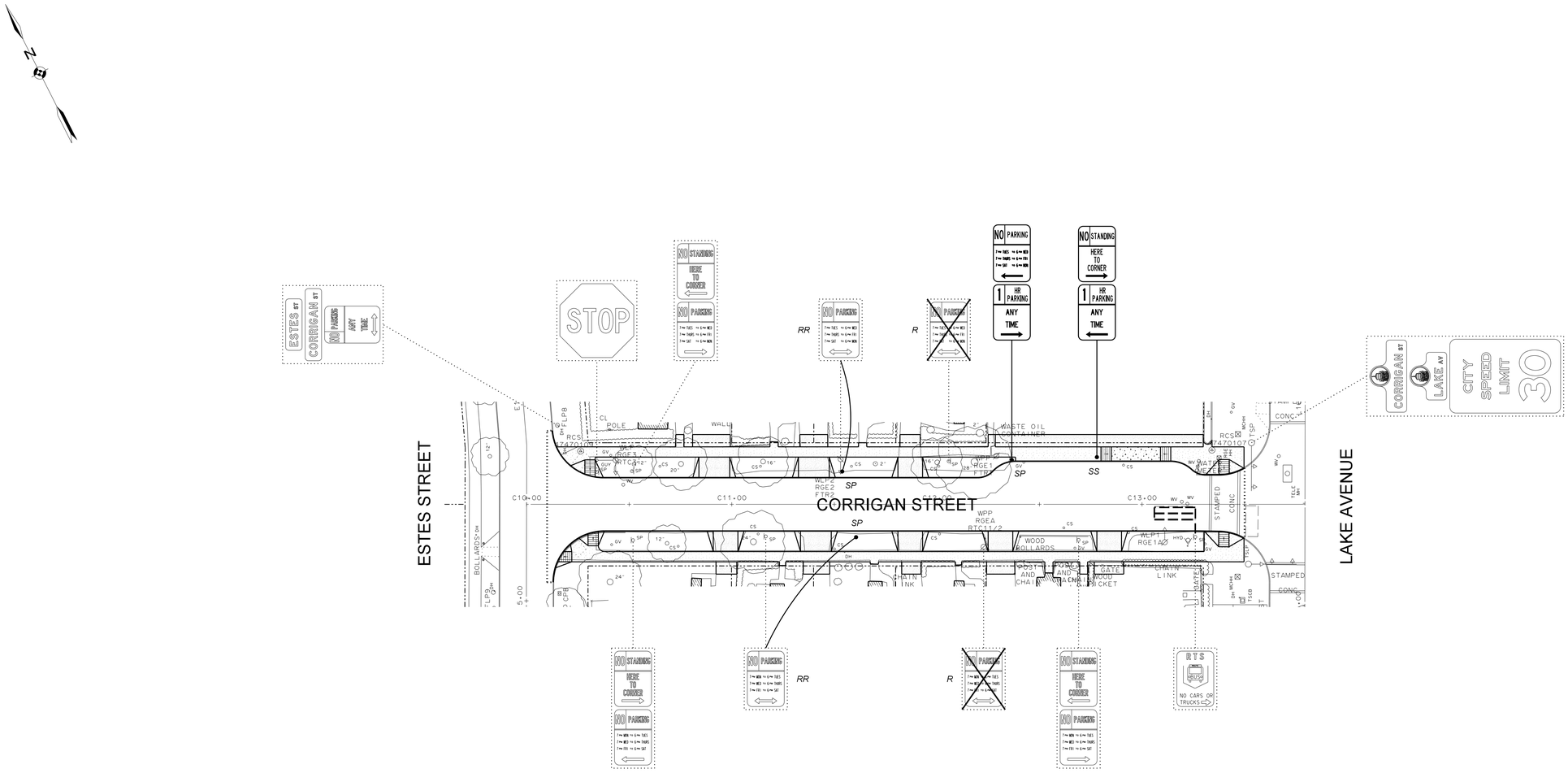

NOTE - TRAFFIC SIGNAGE:

ALL WORK FOR PARKING SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE BID AS ADD ALTERNATE 3.

ALL WORK FOR OTHER TRAFFIC SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE DONE BY MCDOT.

LEGEND

	EXIST SIGN TO REMAIN
RR — ORIGINAL LOCATION / PROPOSED LOCATION	EXIST SIGN TO BE RELOCATED BY OTHERS
	NEW SIGN BY OTHERS
R	EXIST SIGN TO BE REMOVED BY OTHERS
SP •	NEW SIGN POST BY OTHERS
SS •	NEW SIGN POST SLEEVE

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

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CHECKED	LYR / MCDOT
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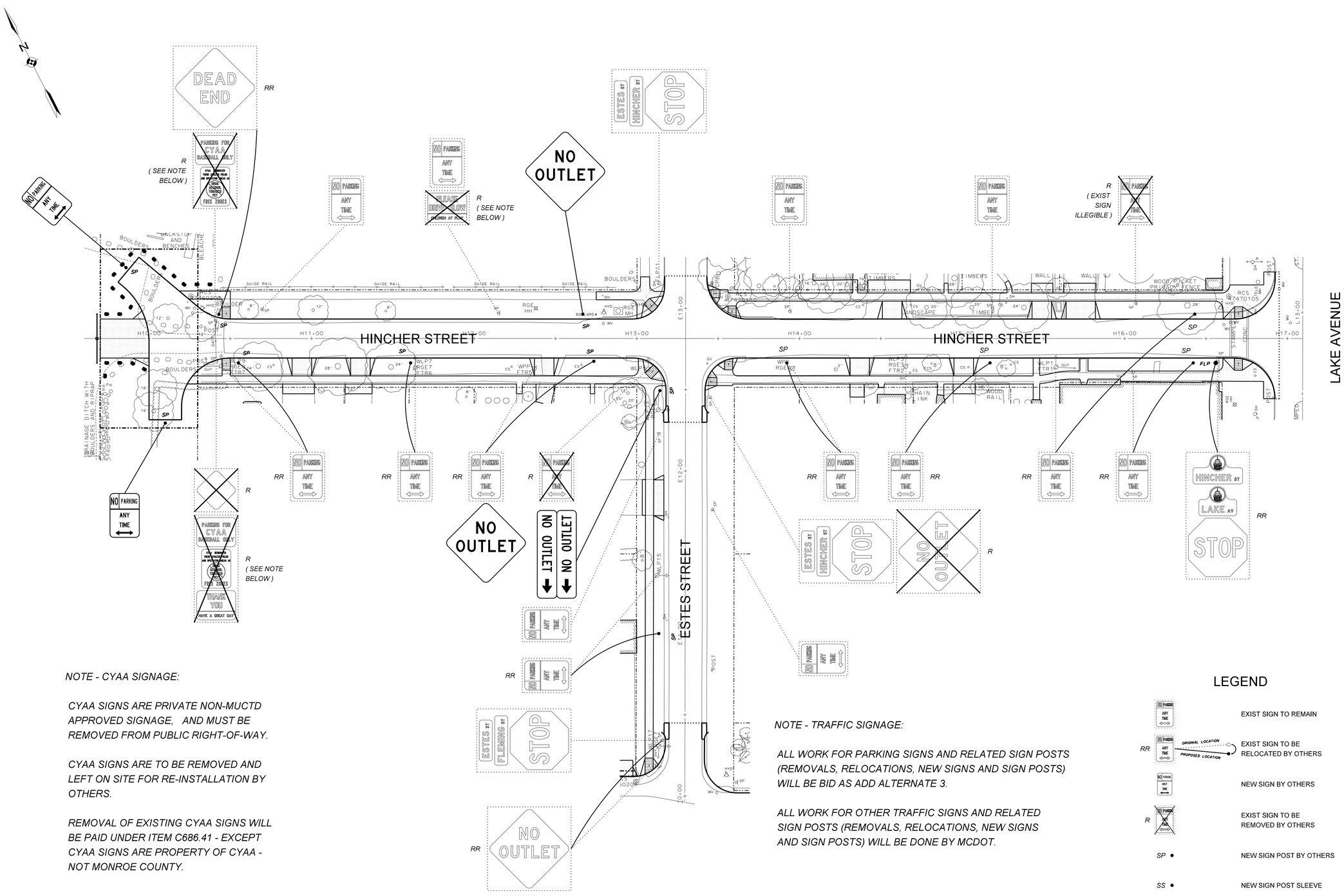
DESIGN	LYR / MCDOT
SCALE	1" = 30'
PROJECT NUMBER	12109

DRAWING TITLE
TRAFFIC SIGNAGE
CORRIGAN STREET

DRAWING NO.
44
OF
50



NOTE - CYAA SIGNAGE:

CYAA SIGNS ARE PRIVATE NON-MUCTD APPROVED SIGNAGE, AND MUST BE REMOVED FROM PUBLIC RIGHT-OF-WAY.

CYAA SIGNS ARE TO BE REMOVED AND LEFT ON SITE FOR RE-INSTALLATION BY OTHERS.

REMOVAL OF EXISTING CYAA SIGNS WILL BE PAID UNDER ITEM C686.41 - EXCEPT CYAA SIGNS ARE PROPERTY OF CYAA - NOT MONROE COUNTY.

NOTE - TRAFFIC SIGNAGE:

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ALL WORK FOR OTHER TRAFFIC SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE DONE BY MCDOT.

LEGEND

	EXIST SIGN TO REMAIN
RR	EXIST SIGN TO BE RELOCATED BY OTHERS (ORIGINAL LOCATION / PROPOSED LOCATION)
	NEW SIGN BY OTHERS
R	EXIST SIGN TO BE REMOVED BY OTHERS
SP	NEW SIGN POST BY OTHERS
SS	NEW SIGN POST SLEEVE

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
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DRAWN RKS
DESIGN LYR / MCDOT
SCALE 1" = 30'
PROJECT NUMBER 12109

DRAWING TITLE
TRAFFIC SIGNAGE
ESTES STREET
HINCHER STREET

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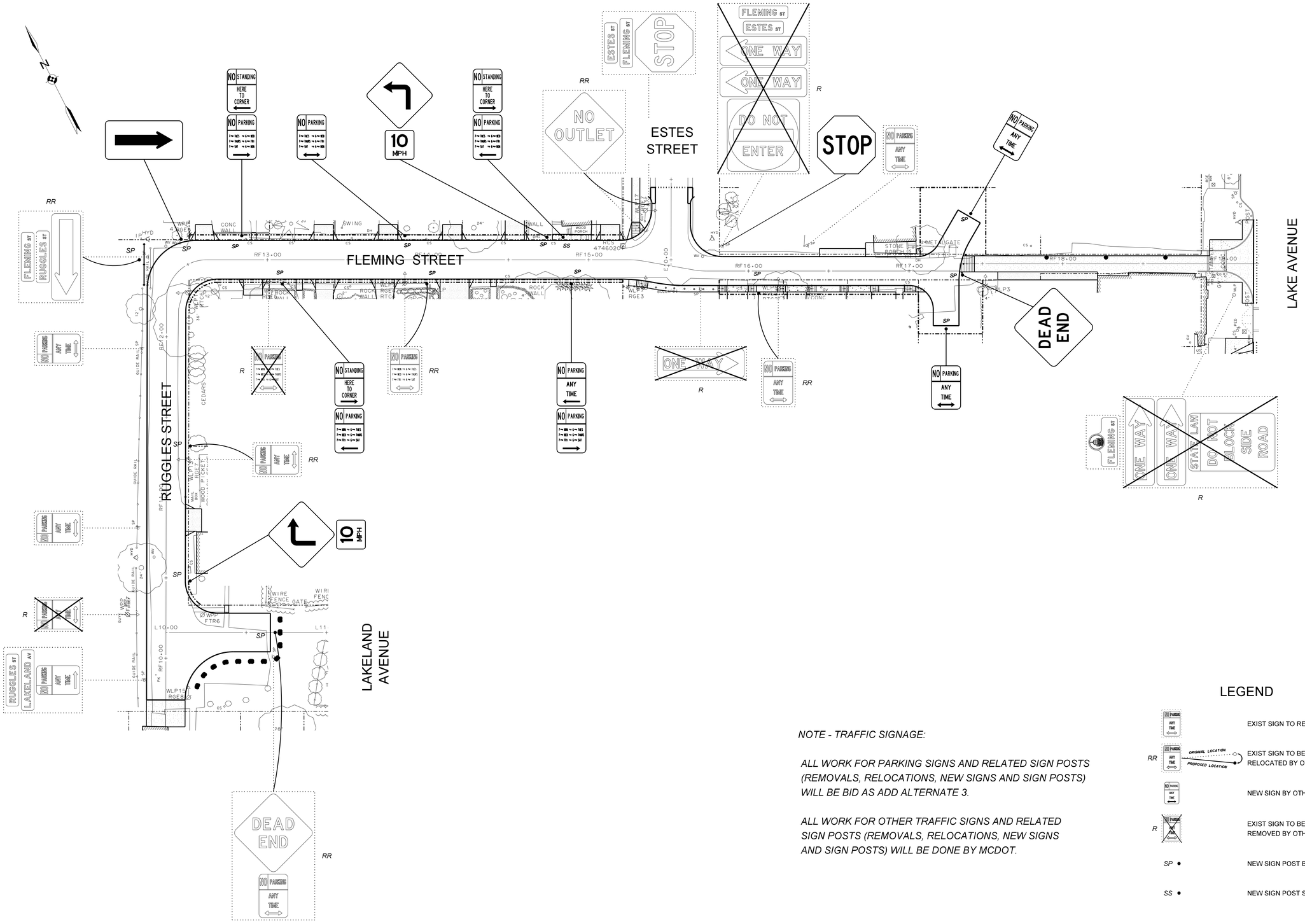
45
OF
50



LEGEND

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R	EXIST SIGN TO BE REMOVED BY OTHERS
SP	NEW SIGN POST BY OTHERS
SS	NEW SIGN POST SLEEVE

NOTE - TRAFFIC SIGNAGE:

ALL WORK FOR PARKING SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE BID AS ADD ALTERNATE 3.

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Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR / MCDOT
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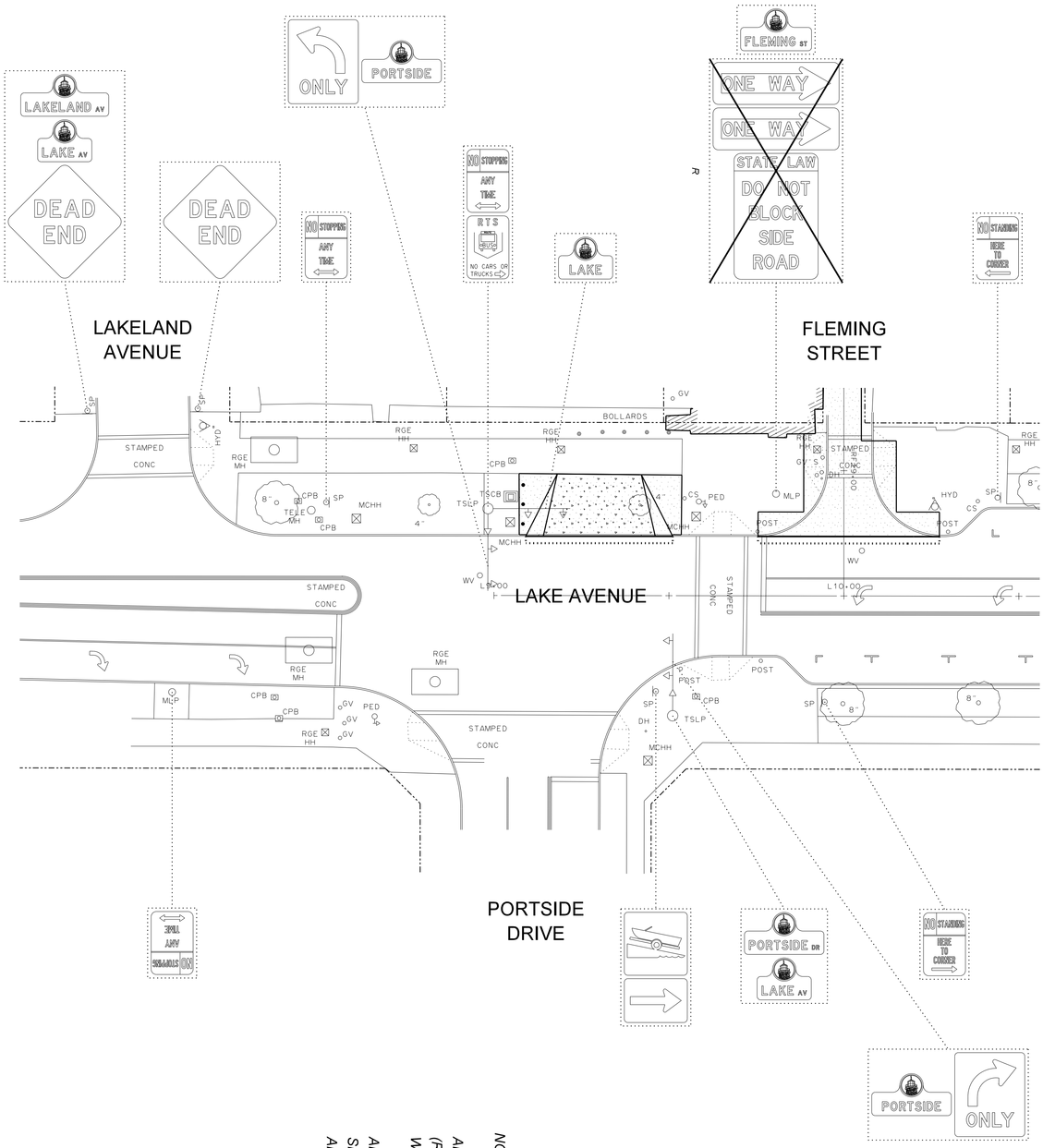
DESIGN	LYR / MCDOT
SCALE	1" = 30'
PROJECT NUMBER	12109

DRAWING TITLE
TRAFFIC SIGNAGE
FLEMING STREET
LAKELAND AVENUE
RUGGLES STREET

DRAWING NO.
46
OF
50



NOTE - TRAFFIC SIGNAGE:

ALL WORK FOR PARKING SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE BID AS ADD ALTERNATE 3.

ALL WORK FOR OTHER TRAFFIC SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE DONE BY MCDOT.

LEGEND

	EXIST SIGN TO REMAIN
RR	EXIST SIGN TO BE RELOCATED BY OTHERS
	NEW SIGN BY OTHERS
R	EXIST SIGN TO BE REMOVED BY OTHERS
SP •	NEW SIGN POST BY OTHERS
SS •	NEW SIGN POST SLEEVE

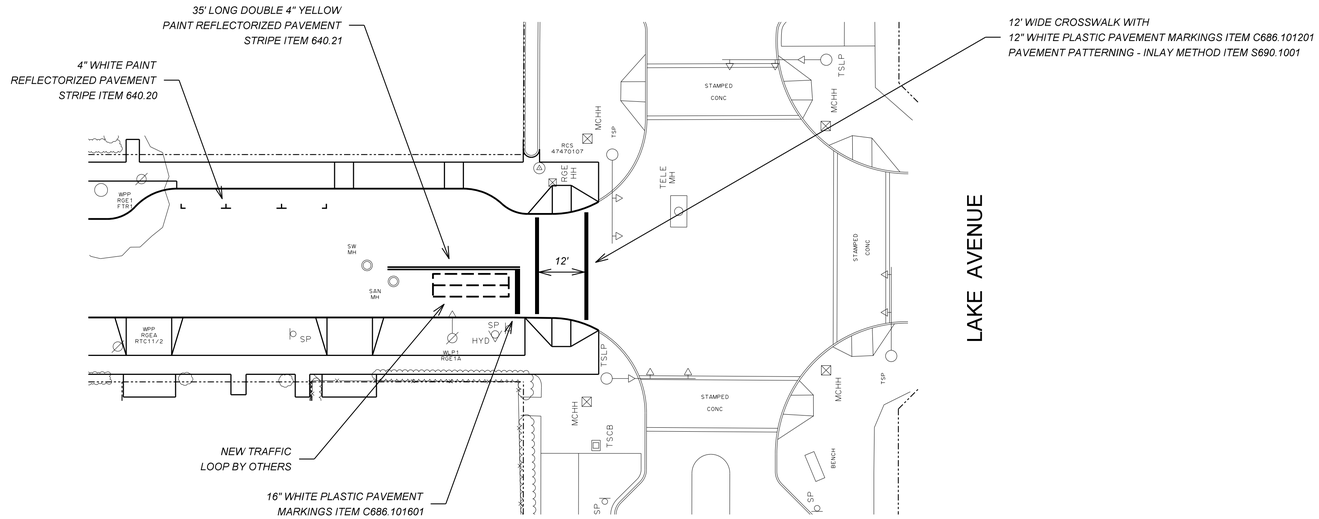
DRAWING TITLE: TRAFFIC SIGNAGE AND PAVEMENT MARKINGS LAKE AVENUE	ISSUED	JUNE 1, 2015				
	CHECKED	LYR / MCDOT				
	DRAWN	RKS				
	DESIGN	LYR / MCDOT				
	SCALE	1" = 20'				
	PROJECT NUMBER	12109	NO.	REVISION	BY	DATE

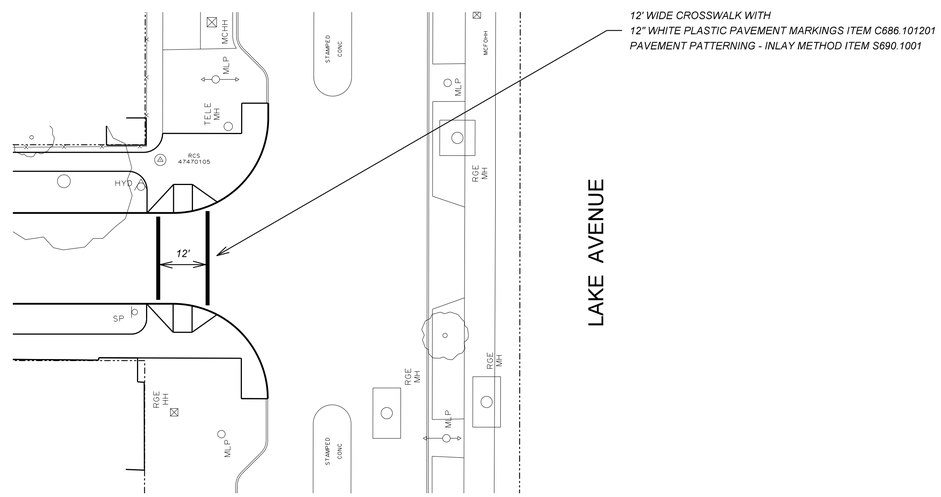
PROJECT TITLE: STREET IMPROVEMENT PROGRAM HINCHER GROUP

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER: ALBERT J.GIGLIO,P.E.
CITY ENGINEER: JAMES R.McINTOSH,P.E.

DRAWING NO. 47 OF 50





Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET
IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED JUNE 1, 2015
CHECKED LYR / MCDOT
DRAWN RKS
DESIGN LYR / MCDOT
SCALE 1" = 20'
PROJECT NUMBER 12109

DRAWING TITLE
PAVEMENT MARKINGS
CORRIGAN STREET
HINCHER STREET

DRAWING NO.
48
OF
50

ADD ALTERNATE 3
SIGN POST

STATION	DISPOSITION	
CORRIGAN STREET		
C11+54 LT	INSTALL NEW 10' SIGN POST	C686.03
C11+60 RT	INSTALL NEW 10' SIGN POST	C686.03
C12+37 LT	INSTALL NEW 10' SIGN POST	C686.03
C12+78 LT	INSTALL NEW 10' SIGN POST	C686.03
HINCHER STREET		
H9+86 LT	INSTALL NEW 10' SIGN POST	C686.03
H10+10 RT	INSTALL NEW 10' SIGN POST	C686.03
H10+55 RT	INSTALL NEW 10' SIGN POST	C686.03
H11+61 RT	INSTALL NEW 10' SIGN POST	C686.03
H12+74 RT	INSTALL NEW 12' SIGN POST	C686.04
H13+92 RT	INSTALL NEW 10' SIGN POST	C686.03
H15+17 RT	INSTALL NEW 10' SIGN POST	C686.03
H16+43 LT	INSTALL NEW 10' SIGN POST	C686.03
H16+43 RT	INSTALL NEW 10' SIGN POST	C686.03
LAKELAND AVENUE		
L10+68	INSTALL NEW 12' SIGN POST	C686.04
RUGGLES STREET		
RF11+32 RT	INSTALL NEW 10' SIGN POST	C686.03
FLEMING STREET		
RF12+84 LT	INSTALL NEW 10' SIGN POST	C686.03
RF13+09 RT	INSTALL NEW 10' SIGN POST	C686.03
RF13+86 LT	INSTALL NEW 10' SIGN POST	C686.03
RF14+00 RT	INSTALL NEW 10' SIGN POST	C686.03
RF14+84 LT	INSTALL NEW 10' SIGN POST	C686.03
RF14+89 RT	INSTALL NEW 10' SIGN POST	C686.03
RF16+07 RT	INSTALL NEW 10' SIGN POST	C686.03
RF17+23 RT	INSTALL NEW 10' SIGN POST	C686.03
RF17+38 LT	INSTALL NEW 10' SIGN POST	C686.03
ESTES STREET		
E11+00 LT	INSTALL NEW 10' SIGN POST	C686.03

ADD ALTERNATE 3
PARKING SIGNAGE

STATION	DISPOSITION	ITEM NUMBER
CORRIGAN STREET		
C10+51 LT	EXIST PARKING SIGNS AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
C10+51 RT	EXIST PARKING SIGNS AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
C11+16 RT	EXIST PARKING SIGN TO BE RELOCATED TO C11+60 RT AND EXIST SIGN POST REMOVED	C686.46 203.02
C11+54 LT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT C11+54 LT	C686.46
C12+06 LT	EXIST PARKING SIGN AND SIGN POST TO BE REMOVED	C686.41
C12+24 RT	EXIST PARKING SIGN TO BE REMOVED FROM WOOD POLE	C686.41
C12+37 LT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST	C686.3201
C12+68 RT	EXIST PARKING SIGNS AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
C12+78 LT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST WITH SIGN POST SLEEVE	C686.3201
HINCHER STREET		
H9+86 LT	INSTALL 1 NEW PARKING SIGN ONTO NEW SIGN POST	C686.3201
H10+10 RT	INSTALL 1 NEW PARKING SIGN ONTO NEW SIGN POST	C686.3201
H10+44 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H10+55 RT	C686.46
H10+71 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
H11+64 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H11+61 RT	C686.46
H12+15 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
H12+38 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H12+74 RT	C686.46
H13+08 RT	EXIST PARKING SIGN TO BE REMOVED FROM WOOD POLE	C686.41
H13+94 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
H13+95 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H13+92 RT	C686.46
H14+65 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H15+17 RT	C686.46
H15+17 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
H15+56 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H16+43 LT	C686.46
H16+04 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT H16+43 RT	C686.46
H16+05 LT	EXIST PARKING SIGN AND SIGN POST TO BE REMOVED	C686.41
LAKELAND AVENUE		
L10+68 RT	EXIST PARKING SIGN TO BE RELOCATED FROM SIGN POST ONTO NEW SIGN POST AT L10+65	C686.46
RUGGLES STREET		
RF9+85 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
RF10+10 LT	EXIST PARKING SIGN TO BE REMOVED FROM WOOD POLE	C686.41
RF10+81 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
RF11+25 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT RF11+32 RT	C686.46
RF11+93 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
HINCHER STREET		
RF12+84 LT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST	C686.3201
RF13+00 RT	EXIST PARKING SIGN TO BE REMOVED FROM WOOD POLE	C686.41
RF13+09 RT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST	C686.3201
RF13+86 LT	INSTALL 1 NEW PARKING SIGN ONTO NEW SIGN POST	C686.3201
RF13+86 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT RF14+00 RT	C686.46
RF14+84 LT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST WITH SIGN POST SLEEVE	C686.3201
RF14+89 RT	INSTALL 2 NEW PARKING SIGNS ONTO NEW SIGN POST	C686.3201
RF16+18 RT	EXIST PARKING SIGN TO BE RELOCATED FROM WOOD POLE ONTO NEW SIGN POST AT RF16+07 RT	C686.46
RF16+34 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
RF17+23 RT	INSTALL 1 NEW PARKING SIGN ONTO NEW SIGN POST	C686.3201
RF17+38 LT	INSTALL 1 NEW PARKING SIGN ONTO NEW SIGN POST	C686.3201
LAKE AVENUE		
L8+08 RT	EXIST PARKING SIGN TO REMAIN - NO WORK ANTICIPATED	- - -
L8+42 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
L8+98 LT	EXIST PARKING SIGN TO REMAIN - NO WORK ANTICIPATED	- - -
L9+95 RT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -
L10+44 LT	EXIST PARKING SIGN AND SIGN POST TO REMAIN - NO WORK ANTICIPATED	- - -

NOTE: PARKING SIGNS ALSO INCLUDE NO STOPPING AND NO STANDING SIGNS

BASE BID
CYAA SIGNAGE

STATION	DISPOSITION	ITEM NUMBER
HINCHER STREET		
H10+40 LT	EXIST CYAA SIGNS (2) TO BE REMOVED AND SALVAGED - SIGN POST TO BE REMOVED BY OTHERS	C686.41
H10+41 RT	EXIST CYAA SIGNS (3) TO BE REMOVED AND SALVAGED - SIGN POST TO BE REMOVED BY OTHERS	C686.41
H12+15 LT	EXIST CYAA SIGN (1) TO BE REMOVED AND SALVAGED - EXIST SIGN POST TO REMAIN	C686.41

NOTE: CYAA SIGNS ARE PRIVATE NON-MUCTD APPROVED SIGNAGE, AND MUST BE REMOVED FROM PUBLIC RIGHT-OF-WAY.

CYAA SIGNS ARE TO BE REMOVED AND LEFT ON SITE FOR RE-INSTALLATION BY OTHERS.

NOTE - TRAFFIC SIGNAGE:

ALL WORK FOR PARKING SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE BID AS ADD ALTERNATE 3.

ALL WORK FOR OTHER TRAFFIC SIGNS AND RELATED SIGN POSTS (REMOVALS, RELOCATIONS, NEW SIGNS AND SIGN POSTS) WILL BE DONE BY MCDOT.

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

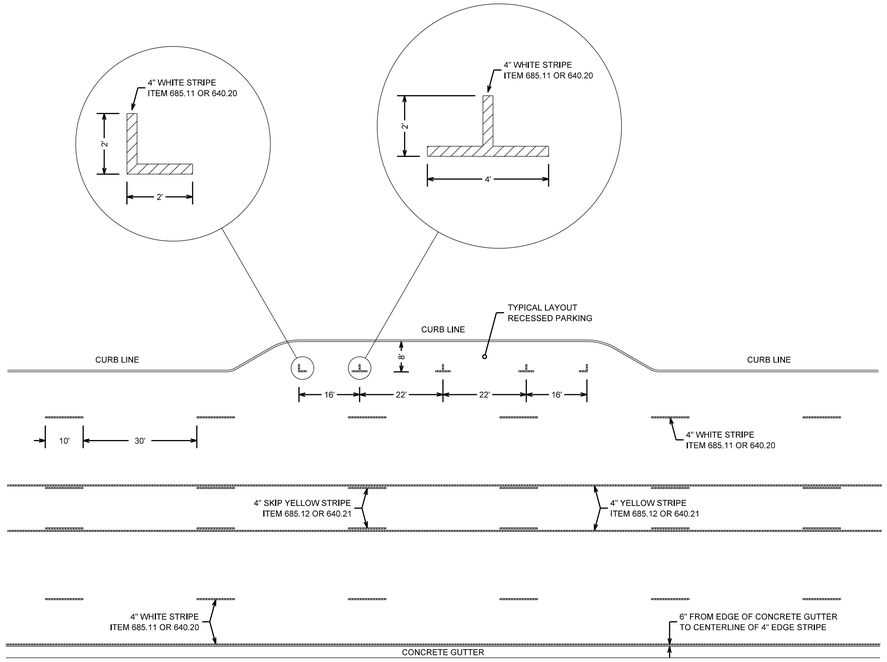
PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

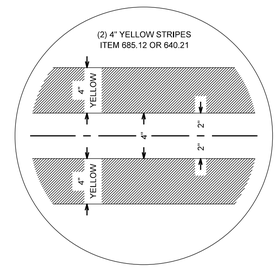
ISSUED JUNE 1, 2015
CHECKED LYR/ MCDOT
DRAWN RKS
DESIGN LYR/ MCDOT
SCALE NONE
PROJECT NUMBER 12109

DRAWING TITLE
TRAFFIC TABLES

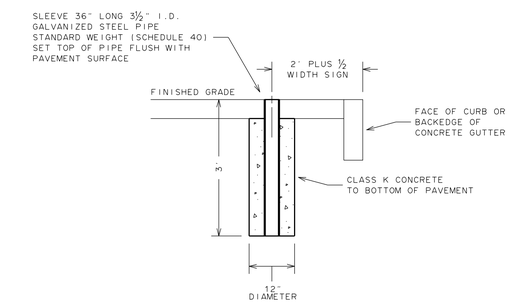
DRAWING NO.
49
OF
50



PAVEMENT MARKINGS - LONG LINES



DOUBLE YELLOW CENTERLINE



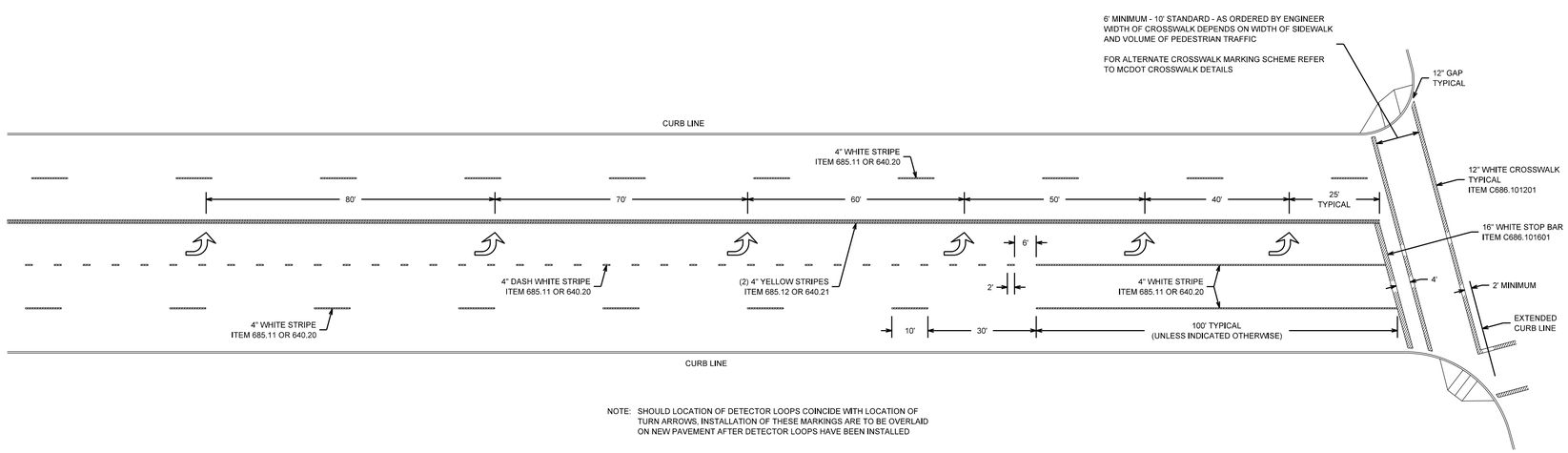
NOTE:

EXACT LOCATION OF SIGN POST SLEEVE WILL BE AS DIRECTED BY MONROE COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT). IF THERE ARE ANY QUESTIONS REGARDING LOCATION, CALL MCDOT FOR FURTHER ASISTANCE AT (585) 753-7750.

CITY OF ROCHESTER

SIGN POST SLEEVE

ISSUED	9-2-91	STANDARD
REVISED	1-1-15	DWG.NO.R643-3



NOTE: SHOULD LOCATION OF DETECTOR LOOPS COINCIDE WITH LOCATION OF TURN ARROWS, INSTALLATION OF THESE MARKINGS ARE TO BE OVERLAID ON NEW PAVEMENT AFTER DETECTOR LOOPS HAVE BEEN INSTALLED

PAVEMENT MARKINGS AT INTERSECTION

Department of Environmental Services
Architecture and Engineering Services
City of Rochester, New York

MANAGING ENGINEER ALBERT J.GIGLIO,P.E.
CITY ENGINEER JAMES R.McINTOSH,P.E.

PROJECT TITLE
STREET IMPROVEMENT PROGRAM
HINCHER GROUP

NO.	REVISION	BY	DATE

ISSUED	JUNE 1, 2015
CHECKED	LYR/MCDOT
DRAWN	RKS
DESIGN	LYR/MCDOT
SCALE	NONE
PROJECT NUMBER	12109

DRAWING TITLE
TRAFFIC DETAILS

DRAWING NO.
50
OF
50