

GENERAL NOTES:

- 1. ATTENTION IS DIRECTED TO THE FACT THAT THE WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR AT AN ACTIVE AND FUNCTIONAL FACILITY. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, OWNER'S REPRESENTATIVE AND PROJECT MANAGER TO MINIMIZE DISRUPTION TO THE OPERATIONS OF THE FACILITY. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC, VISITORS AND EMPLOYEES OF THE FACILITY. FROM HARM AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
- 2. THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
- 3. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GUARANTEED. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTORS FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.
- 4. PRIOR TO THE START OF MEANWHILE CONSTRUCTION, THE BID TEST TO DETERMINE PRECISE LOCATIONS AND DEPTHS OF ANY UNDERGROUND UTILITY IN QUESTION AND IMPACTED BY THE WORK. IMMEDIATELY REPORT RESULTS TO THE ARCHITECT/ENGINEER OF ANY SIGNIFICANT DISCREPANCIES BETWEEN THE PLANS AND ACTUAL LOCATIONS OF SAID STRUCTURES. TEST PITS AND ASSOCIATED REPORTING SHALL BE INCLUDED IN THE PRICE BID.
- 5. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO OWNERS APPROVAL.
- 6. PROPERTY LINES AND RIGHTS-OF-WAY LINES AS SHOWN ARE APPROXIMATE AND ARE INTENDED FOR GENERAL INFORMATION. NO WARRANTY IS EXPRESSED OR IMPLIED TO THEIR ACCURACY.
- 7. THE OWNERS OF THE VARIOUS UTILITIES WITHIN THE RIGHTS-OF-WAY OR ADJACENT EASEMENTS, IF ANY, WILL FIELD LOCATE AND MARK THE LOCATION OF THEIR FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE THEIR FACILITIES.
- 8. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL MATERIALS, TOOLS AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES, NECESSARY TO PERFORM THE WORK CONTAINED IN THIS CONTRACT.
- 10. CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNERS DESIGNATED REPRESENTATIVE PRIOR TO START OF CONSTRUCTION. PROVIDE A STABILIZED CONSTRUCTION ENTRANCE, IF REQUIRED AND RESTORE ALL DISTURBED AREAS.
- 11. PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL.
- 12. ANY SITE AVENUE, UTILITY, STREET APPURTENANCE, OR OTHER ITEM WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AS DETERMINED BY THE OWNER'S DESIGNATED REPRESENTATIVE OR ARCHITECT/ENGINEER AND AT AN ADDITIONAL COST TO THE OWNER.
- 13. PRIOR TO THE START OF CONSTRUCTION, NOTIFY BID SAFELY NEW YORK (L.P.P.C.) TWO (2) FULL WORK DAYS (NOT COUNTING THE DAY OF THE CALL, WEEKENDS OR HOLIDAYS AT 1-800-862-7962 OR 914 TO REQUEST UTILITY STAFFED AT ALL PUBLIC UTILITIES.
- 14. PROVIDE PROTECTION FOR ALL OF THE EXISTING TREES TO REMAIN WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT TO MINIMIZE ANY DAMAGE TO THE TREES AS A RESULT OF CONSTRUCTION ACTIVITIES INCLUDING: a. INSTALL A PROTECTIVE 615/4020004 PLACE PROTECTION BEFORE ANY WORK IS STARTED AND IS TO BE IN THE FORM OF FLOURESCENT CONUION FENCING OR WOOD RAIL AND POSTS PLACED AROUND EACH TREE FOR ITEM 015; b. PROTECT THE ROOTS OF THE TREE.
- 15. ALL TREES, SHRUBS AND PLANTS DESIGNATED TO REMAIN AND DISTURBED BY CONSTRUCTION OPERATIONS, SHALL BE REPLACED IN KIND AS DIRECTED BY THE OWNER'S DESIGNATED REPRESENTATIVE OR ARCHITECT/ENGINEER AT AN ADDITIONAL COST TO THE OWNER.
- 16. NOTIFY PROPERTY OWNERS PRIOR TO ANY REMOVAL OR RECONSTRUCTION WORK EITHER ON THEIR PROPERTY OR ALONG THE RIGHT-OF-WAY IN FRONT OF THEIR PROPERTY DURING THE COURSE OF CONSTRUCTION MINOR GRADING, DRIVEWAY, LEAD WALK, STEP AND/OR RETAINING WALL WORK MAY BE REQUIRED OUTSIDE THE RIGHT-OF-WAY WHERE WORK OUTSIDE THE STREET RIGHT-OF-WAY IS REQUIRED. OBTAIN A GRADING RELEASE FROM PROPERTY OWNERS PRIOR TO PERFORMING ANY WORK.
- 17. COORDINATE ALL NECESSARY RELOCATIONS OF POSTAL BOXES WITHIN THE PROJECT LIMITS WITH THE UNITED STATES POSTAL SERVICE (1-800-275-8777). FURNISH AND INSTALL A CONCRETE, PRECAST, OR OTHER FLOORING FOR THE IMPACTED POSTAL BOXES IF REQUIRED BY THE USPS. THE COST OF ALL WORK ASSOCIATED WITH THE RELOCATION OF POSTAL BOXES IS TO BE INCLUDED IN THE VARIOUS ITEMS IN THE CONTRACT.
- 18. MAINTAIN SAFE AND CONTINUOUS ACCESS TO ALL ACTIVE FIRE HYDRANTS THROUGHOUT THE PERIOD OF CONSTRUCTION.
- 19. MAINTAIN SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT PRIVATE DRIVEWAYS, SERVICE ROADS, PARKING AREAS AND PUBLIC STREETS THROUGHOUT THE PERIOD OF CONSTRUCTION. IF, BY AGREEMENT WITH THE OWNER'S REPRESENTATIVE AND JURISDICTIONAL AGENCY, PRIVATE DRIVEWAY OR PARKING AREA WILL REQUIRE TEMPORARY CLOSING DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY IN WRITING THE LOCAL AND STATE POLICE, AND LOCAL FIRE DEPARTMENT REGARDING THE CLOSING.
- 20. MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE EXISTING BUILDINGS FOR THE DURATION OF THE CONTRACT.
- 21. MAINTAIN THE CONSTRUCTION SITE IN A SAFE AND ORDERLY FASHION THROUGHOUT THE PERIOD OF CONSTRUCTION WITH MINIMAL DISRUPTION OF THROUGH TRAFFIC AND INGRESS AND EGRESS FOR PRIVATE DRIVEWAYS, PUBLIC STREETS AND ENTRANCES TO BUSINESSES ALONG THE ROUTE OF CONSTRUCTION.
- 22. CONFORM TO THE CONDITIONS OF ALL EASEMENTS. RESTORATION OF INDIVIDUAL EASEMENT AREAS IS SUBJECT TO APPROVAL OF THE PROPERTY OWNERS.
- 23. PROTECT AND PRESERVE ALL RIGHTS-OF-WAY MONUMENTS AND PROPERTY CORNER MARKERS TO REMAIN. ALL RIGHTS-OF-WAY MONUMENTS AND PROPERTY CORNER MARKERS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A NYS LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 24. PROVIDE ADEQUATE TEMPORARY SANITARY FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER FOR USE OF TEMPORARY ON-SITE UTILITIES SUCH AS WATER AND ELECTRICITY. THE CONTRACTOR SHALL BE RESPONSIBLE TO REIMBURSE THE OWNER FOR USE OF SUCH UTILITIES.
- 25. RESEARCH, SECURE AND PAY FOR ALL PERMITS, MUNICIPAL APPROVALS, FEES AND MISC. ITEMS AS NEEDED TO COMPLETE THE WORK.
- 26. IF THE FORESTRY DIVISION DETERMINES THAT THE ROOTS OF AN EXISTING TREE TO REMAIN WILL BE IMPACTED BY THE INSTALLATION OF GRANITE CURBS, INSTALL BRIDGE CURBS A O.B.E. PAYMENT WILL BE MADE UNDER ITEM 609.030.

ROADWAY NOTES:

- 1. HOT MIX ASPHALT PAVEMENT COURSES CONSTRUCTED ON THIS PROJECT WILL BE DEVELOPED USING THE SUPERPAVE MIX DESIGN PROCEDURES AND SPECIFICATIONS TO AVOID DAMAGE TO THE EXISTING SUBGRADE. UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPACTING THE PAVEMENT WITHIN THE SPECIFIED DENSITY RANGE PER THE SUPERPAVE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2. PRIOR TO BEGINNING PAVING WORK, A PRE-PAVING MEETING WILL BE REQUIRED. NOTIFY THE CITY PROJECT REPRESENTATIVE AT LEAST THREE (3) WEEKS IN ADVANCE OF THE START OF SUPERPAVE PAVING OPERATIONS TO SCHEDULE A MEETING WITH THE CITY, THE CONTRACTOR, THE ASPHALT SUPPLIER AND THE DESIGN ENGINEER.
- 3. INCLUDE THE COST TO FURNISH AND APPLY TACK COAT ON PAVEMENT EDGES, CURBS, MANHOLES AND STRUCTURES IN ITEM 607.0201.
- 4. TYPICAL WORK DETAILS ARE SHOWN ON THE TYPICAL SECTIONS. ACTUAL WORK LIMITS SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. THE ENGINEER IN CHARGE SHALL DEFINE SPECIFIC LIMITS WHERE QUESTIONS ARISE.
- 5. FULL DEPTH SAWCUTTING IS REQUIRED FOR ALL TRENCH AND EXCAVATION WORK IN PAVEMENT REHABILITATION AREAS, AS WELL AS SIDEWALKS, EXISTING SIDEWALK TO BE RETAINED, SIDE STREET WORK LIMITS, PROTECT CURBS AND ALONG CURBS TO BE REPLACED IN PAVEMENT REHABILITATION AREAS. THE COST FOR ALL SAWCUTTING WILL BE INCLUDED IN ITEM 520.501.60000.
- 6. RESTORE ALL DISTURBED AREAS ADJACENT TO CURBING, DRIVEWAY AND SIDEWALK INSTALLATION BY THE TREATMENT SHOWN ON THE PLANS BY TOPSOIL AND SEEDING OR AS ORDERED BY THE ENGINEER IN CHARGE.
- 7. FOLLOW THE PROVISIONS OF THE NYS DOT "STANDARD SPECIFICATIONS", DATED MAY 1, 2008 AND ALL REVISIONS; FOLLOW THE PROVISIONS OF THE CITY OF ROCHESTER STANDARD CONSTRUCTION CONTRACT DOCUMENTS DATED NOVEMBER 1, 1991 AS REVISED HEREIN. FOLLOW THE PROVISIONS OF THE CITY OF ROCHESTER DEPARTMENT OF ENVIRONMENTAL SERVICES STANDARD DETAILS EXCEPT AS MODIFIED BY THE DETAILS SHOWN ON THE CONSTRUCTION CONTRACT DOCUMENT DRAWINGS.
- 8. CONSTRUCT DRIVEWAY APRONS AND SIDEWALK RAMPS OF THE TYPE AND AT THE LOCATIONS SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER IN CHARGE. TRANSPORT CURBS FOR TRANSPORTS AND TRANSPORT CURBS FOR SIDEWALK RAMPS SHALL BE AS SHOWN ON THE DETAILS OR AS ORDERED BY THE ENGINEER IN CHARGE.
- 9. NEW GRANITE CURBS SHALL DRIVEN WITHIN THE LAST THREE (3) FEET TO MEET EXISTING TOP OF CURB AT EACH SIDE STREET WORK LIMIT AS SHOWN IN THE DETAILS.
- 10. COORDINATE ALL GENERAL CONSTRUCTION ACTIVITIES AND ALL WORK CLOSINGS WITH THE CITY OF ROCHESTER FIRE DEPARTMENT, THE CITY OF ROCHESTER POLICE DEPARTMENT, ROCHESTER CITY SCHOOL DISTRICT AND THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT).
- 11. MAINTAIN ALL SIGNS AS ORDERED BY THE ENGINEER IN CHARGE AND MCDOT. THE WORK SHALL CONFORM TO THE REQUIREMENTS OF NYS DOT SECTION 619. RETURN SIGNS DIRECTED BY THE ENGINEER IN CHARGE OR MCDOT TO BE REMOVED TO THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION, FLEET CENTER ON PAUL ROAD, ROCHESTER, NY.

UTILITY NOTES:

- 1. ESTABLISH AND MAINTAIN COMMUNICATION WITH AND COORDINATE WORK WITH THE FOLLOWING UTILITY COMPANIES AND BUSINESSES FOR THE DURATION OF THE PROJECT:

UTILITY COMPANY	CONTACT PERSON	PHONE NUMBER
RGE&E ELECTRIC	KEIE DAWES	724-8170
RGE&E GAS	MIKE MANN KENDALL	724-3331
TWO CABLE	HEATH LESLIE	756-1320
FRONTIER TELEPHONE	MARK TODD	746-8629
CITY STREET LIGHTING	429-7979	
CITY WATER BUREAU	MIKE HUSHART	429-7567
MONROE COUNTY TRAFFIC SIGNALS	FRANK FATTORE	753-7777
MONROE COUNTY PURE WATERS	GLENN KAMAR	753-7609

- 2. FOR ALL ABANDONED WATER MAIN AND HYDRANT BRANCHES, THE CONTRACTOR SHALL PLUG ALL CUT AND OPEN PIPE ENDS WITH 12 INCHES OF CONCRETE. THE COST OF WHICH IS TO BE INCLUDED IN THE APPROPRIATE UNIT PRICE BID FOR ITEMS UNDER SECTIONS 5907, 5908 OR 5917. THE CONTRACTOR SHALL ALSO NOTIFY UTILITY OWNERS IN THE SHUT POSITION, INCLUDING VALVES ON HYDRANT BRANCHES AND SERVICES.
- 3. ALL GATE VALVES IN THIS PROJECT SHALL BE OF THE RESILIENT SEAT PIPE, BID ITEM 5905, 5906 AND 5908. ALL GATE VALVES SHALL REQUIRE MECHANICAL RESTRAINT. RESTRAINT SHALL BE PROVIDED BY MECHANICAL RESTRAINT AT BOTH ENDS. COST OF MECHANICAL RESTRAINTS SHALL BE INCLUDED IN THE PIPE ITEM.
- 4. APPROPRIATE MEASURES SHALL BE TAKEN TO PREVENT DIRT, DEBRIS AND SURFACE WATER FROM CONTAMINATING THE WATER MAIN. THE EXCAVATION WATER LEVEL SHALL NEVER BE LESS THAN 12 INCHES BELOW THE PIPE INVERT, AND WHENEVER AN OPEN PIPE END IS UNATTENDED, IT SHALL BE COVERED IN A WATER TIGHT MANNER.
- 5. THE WATER MAIN SHALL BE PRESSURIZED/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD CODE, CODES LATEST VERSIONS WHERE APPLICABLE; OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. SEE CITY OF ROCHESTER STANDARD SPECIFICATION SECTION 5900 GENERAL WATER PROVISIONS, TESTING.
- 6. WHERE WATER MAINS CROSS UNDER SEWERS, MINIMUM VERTICAL SEPARATION BETWEEN THEM SHALL BE 18 INCHES AS MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. WHERE THE WATER UTILITY CROSSES OVER SEWERS, THE VERTICAL SEPARATION SHALL NOT BE LESS THAN 8 INCHES. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT JOINTS AND JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT COMPACTED SELECT SHALL BE PROVIDED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN.
- 8. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS OR STRUCTURES, SEPTIC TANKS, SEEPAGE PITS OR EACH LINES) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
- 9. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
- 10. THRU 81 BLOCKS SHALL CONSIST OF CENTRAL, TRANSIT OR TRUCK MIXED CONCRETE. WHEN APPROVED BY THE CITY OF ROCHESTER, THE WATER UTILITY SHALL BE PERMITTED TO USE ON-SITE MIXED CONCRETE. THE CONCRETE SHALL BE THOROUGHLY MIXED PRIOR TO PLACEMENT. USE OF DRY, UNMIXED CEMENT FOR THRU 81 BLOCKS IS PROHIBITED.
- 11. ALL EXISTING WATER VALVE BOXES THAT ARE ABANDONED, DUE TO THE REPLACEMENT OF THE OLD WATER MAIN, ARE TO BE REMOVED. THE COST OF REMOVAL SHALL BE INCLUDED IN THE APPROPRIATE UNIT PRICE BID FOR ITEMS 203.02, R203.04, 5909.06 OR 5917.05. THE CONTRACTOR SHALL LEAVE ABANDONED VALVES IN THE SHUT POSITION.
- 12. A CATHODIC PROTECTION TEST STATION SHALL BE INSTALLED (SECTION 5986), WHERE SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE PROJECT MANAGER.
- 13. DURING THE WINTER SEASON (NOVEMBER 1 - APRIL 14), THE CITY SNOW OFFICE (585-429-6887) SHALL BE ADVISED OF THE LOCATION, PLACEMENT AND REMOVAL OF ANY STEEL PLATES USED IN PUBLIC RIGHT-OF-WAY. A WARNING SIGN STATING "RAISE PLOW ROAD PLATE 26 FT AHEAD" SHALL BE INSTALLED AS SHOWN IN DETAIL DRAWING NO. 0209-2. ALL STEEL PLATES MUST BE RECESSED, STAKED AND RAMPED.
- 14. DURING THE WINTER SEASON, ARTERIAL AND COLLECTOR STREETS SHALL HAVE A WEARING SURFACE CONSISTING OF FOUR (4) INCHES MINIMUM THICKNESS OF HIGH EARLY STRENGTH CONCRETE. LOCAL ACCESS STREETS SHALL HAVE A WEARING SURFACE CONSISTING OF THREE (3) INCHES OF HIGH EARLY STRENGTH CONCRETE.
- 15. ON ALL STREETS WHERE THE CENTERLINE OF THE WATER MAIN TRENCH IS 6 FEET OR LESS FROM THE EXISTING CURB LINE, OR AS ORDERED BY THE PROJECT MANAGER, THE CONTRACTOR SHALL MILL THE EXISTING 1/2" INCH TOP COURSE MATERIAL BETWEEN THE CURB AND THE EDGE OF THE CURB, THE COST OF WHICH IS TO BE INCLUDED IN THE NEW TOP COURSE MATERIAL. THE NEW TOP COURSE MATERIAL SHALL BE PLACED IN ONE OPERATION, COVERING BOTH THE WATER MAIN TRENCH AND THE AREA BETWEEN THE EDGE OF THE TRENCH AND THE CURB. THE COST OF MILLING AND DISPOSAL OF THE EXISTING ASPHALT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 5204.01 MILLING VARIABLE DEPTH.
- 16. THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT IN WRITING 48 HOURS PRIOR TO TANKING ANY HYDRANT OUT OF SERVICE. IF HYDRANTS TAKEN OUT OF SERVICE SHALL BE RED TAGGED, BAGGED, OR OTHERWISE MARKED IN A MANNER ACCEPTABLE TO THE OWNER. THE FIRE DEPARTMENT SHALL ALSO BE NOTIFIED WHEN A HYDRANT IS PLACED IN SERVICE.
- 17. THE PROJECT OWNER AND AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED IN WRITING 24 HOURS PRIOR TO ANY DISRUPTION IN SERVICES.
- 18. PERMISSION IS REQUIRED TO USE WATER FROM FIRE HYDRANTS. WATER USE REQUIRES THE USE OF A BACKFLOW PREVENTER. THE BACKFLOW PREVENTER SHALL BE SUPPLIED BY THE CONTRACTOR.
- 19. FOR WATER MAINS THAT PASS OVER SEWERS: IF, IN THE OPINION OF THE ENGINEER, THE COMBINES OF EXISTING MATERIALS, IN AVOIDING COMBINATIONS OF DIFFERENT PORTIONS OF BETWEEN 8 INCHES AND 18 INCHES. ALL WATER MAIN TRENCH WITHIN 20 FEET OF THE SEWER SHALL BE ENCASED IN CONTROL DENSITY FILL.
- 20. NITRATE GASSETS TO BE FACTORY INSTALLED ON PVC WATER MAIN.

LIGHTING NOTES:

- 1. EXISTING TO BE REMOVED SHALL BE REMOVED BY THE CONTRACTOR AS INDICATED IN THE PLANS AND TABLES.
- 2. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL WORK PERTAINING TO STREET LIGHTING WITH THE CITY OF ROCHESTER STREET LIGHTING DIVISION.
- 3. THE COST OF ALL CONDUIT WITHIN LIGHT POLE BASES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR POLE BASE FOUNDATIONS.
- 4. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO SAFEGUARD AND PROTECT LIGHT POLES.

MARINA GENERAL NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MARINA DOCK DESIGN AND CONSTRUCTION ADHERE TO PROJECT SPECIFICATIONS, APPLICABLE LOCAL, STATE, AND FEDERAL, CODES AND IS ADEQUATELY DESIGNED FOR THE PROPOSED UTILITY SERVICES.
- 2. THE CONTRACTOR SHALL SUPPLY COMPLETE STRUCTURAL CALCULATIONS TO ACCOMPANY THE SHOP DRAWINGS AND SUBMITTALS. THESE STRUCTURAL CALCULATIONS SHALL INCLUDE SYSTEM ANCHORAGE, STRUCTURAL DESIGN, AND LIFTATION. ALL STRUCTURAL CALCULATIONS SHALL BEAR THE SIGNATURE AND SEAL OF A STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER. THE ENGINEER PROVIDING THE STRUCTURAL CERTIFICATION SHALL HAVE A MINIMUM OF 10 YEARS EXPERIENCE AS A PROFESSIONAL ENGINEER SPECIALIZING IN MARINA-WATERFRONT ENGINEERING.
- 3. THE PROPOSED DOCKS AND OTHER NECESSARY MATERIALS WILL BE CONFINED TO A STAGING AREA CONFIRMED PRIOR TO CONSTRUCTION. THE CONTRACTOR TRAILER WILL ALSO BE LOCATED IN THIS AREA.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY UTILITY SERVICES, AS NEEDED FOR CONSTRUCTION.
- 5. FLOATING DOCKAGE SYSTEM SHALL BE PAID AT THE GENERAL CONTRACTOR'S BID PRICE PER LUMP SUM TO FURNISH AND INSTALL A COMPLETE SYSTEM INCLUDING, BUT NOT LIMITED TO, CLEATS, FENDER AND SUPPORT PILLS, WALKWAYS, PERG, GANGWAYS, UTILITY PRECASTS INCLUDING ELECTRICAL WIRING AND POTABLE WATER SERVICES TO THE PRECASTS, AND ANCHORAGE WITH ALL ASSOCIATED MARINE HARDWARE, AND THE FOLLOWING DOCK UTILITY SYSTEMS:
- 6. WATER DISTRIBUTION SYSTEM INCLUDES ALL PIPE, VALVES, FITTINGS, AND SERVICE CONNECTIONS TO THE UTILITY PRECASTS INCLUDING CONNECTION AND PLUMBING WITHIN THE PRECASTS. THE PRECAST SHALL ALSO INCLUDE ALL DISINFECTION AND TESTING NECESSARY TO PLACE THE PORTABLE WATER DISTRIBUTION SYSTEM IN SERVICE.
- 7. SANITARY PUMPOUT SYSTEM INCLUDES ALL PUMPS, ALL PIPES FROM THE PUMPS TO THE POINT OF CONNECTION WITH SANITARY MAINS, VALVES, FITTINGS, AND HOSE REELS. THIS ITEM SHALL ALSO INCLUDE ALL TESTING NECESSARY TO PLACE THE SANITARY PUMPOUT SYSTEM IN SERVICE.
- 8. ELECTRICAL SYSTEM INCLUDES ALL CABLE, CONDUITS AS NEEDED FOR ELECTRICAL FACILITIES, DOCK AND LAND-BASED DISTRIBUTION EQUIPMENT, UTILITY PRECASTS (INCLUDING ELECTRICAL WIRING WITHIN THE PRECASTS), AND ELECTRICAL SERVICES TO PRECASTS, LIGHTS, PUMPOUT SYSTEM APPURTENANCES, AND ICE SUPPRESSION EQUIPMENT.
- 9. PILES SHALL BE CIRCULAR STEEL, HELICAL, OR SPIRED PILLS. SIZES AND SPACED BY THE MANUFACTURERS DESIGN ENGINEER TO RESIST THE HORIZONTAL AND VERTICAL LOADING CONDITIONS DEFINED IN THE SPECIFICATIONS.
- 10. CONTRACTOR MUST ENSURE THAT THE MAIN PLATING WALK WAY IS ABLE TO SUPPORT THE APPROPRIATELY SIZED GANGWAY AND MEET ALL PROJECT PERFORMANCE SPECIFICATIONS FOR LEVEL AND FREE BOARD.
- 11. ALL PROPOSED CLEATS SHALL BE S-SHAPED CLEATS PER THE DETAILS AND SPECIFICATIONS. SEE SHEET ME5.02 FOR CLEAT LOCATIONS AND SPACING.

TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL NOTES

- 1. SEE DRAWING G-01 FOR EROSION AND SEDIMENT CONTROL PLAN

FORESTRY DIVISION NOTES:

- 1. THE ROOT SYSTEM ON THE WALK SIDE OF THE TREE SHALL NOT BE CUT. IF ROOTS LARGER THAN 2" ARE ENCOUNTERED NO SUBGRADE WILL BE USED AND SIDEWALK IS TO BE POURED OVER ROOTS.
- 2. EXPOSED TREE ROOTS SHALL BE COVERED WITH MULCH/BURLAP AND WATERED FROM A PERIOD IMMEDIATELY FOLLOWING CURB AND GUTTER REMOVAL UNTIL THE AREA IS BACKFILLED FOLLOWING CONSTRUCTION.
- 3. ROOT FOUNDATIONS MUST REMAIN ADEQUATE TO WITHSTAND HEAVY WEATHERSTORMS. TREE ROOTS 2" AND UNDER ARE TO BE CUT CLEANLY. CITY FORESTRY IS TO BE NOTIFIED (585-428-7581) TO SET UP INSPECTION IF ROOTS LARGER THAN 2" ARE IN CONFLICT WITH CONSTRUCTION.
- 4. REMOVE ALL TREE GRATES AND DO NOT REPLACE.
- 5. VIOLATIONS TO SPECIFICATION 6917 FOR TREE PROTECTION, (STANDARDS FOR WORK IN THE PUBLIC RIGHT-OF-WAY), AND CITY CHARTER AND CODE 89.9 FOR TREES WILL BE SUBJECT TO A FINE OF \$150.00 PER VIOLATION PER DAY. NO WARNINGS OR VIOLATIONS ARE REQUIRED. STANDARDS ARE EXPECTED TO BE MET.

TRAFFIC SIGNAL NOTES:

- 1. THE CONTRACTOR SHALL CONTACT THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL GROUP (753-7749) A MINIMUM OF TWO WEEKS PRIOR TO THE REMOVAL OF TRAFFIC SIGNAL LOOPS.
- 2. ALL WORK PERFORMED AND MATERIALS SUPPLIED SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF ROCHESTER AND NYS DOT STANDARD SPECIFICATIONS AND DETAILS INCLUDING ALL REVISIONS, AND THE MANUAL OF UNIFORM COUNTRY TRAFFIC DEVICES.
- 3. THE CONTRACTOR SHALL IDENTIFY EACH AND EVERY CABLE ENTERING THE CONTROLLER CABINETS AND PULLBOXS BY FUNCTION AND DESTINATION ON MCDOT APPROVED TAGS. THE TAGS SHALL BE ATTACHED TO THE CABLES WITH STAINLESS STEEL WIRE, PLASTIC OR NYLON LINE.
- 4. ANY CHARGES RELATED TO POWER HOOK-UP AND/OR ANY PULLBOX/MANHOLE ENTRIES WILL BE PAID FOR BY THE CONTRACTOR. LOCATIONS SHALL BE APPROVED BY MCDOT PRIOR TO INSTALLATION.
- 5. THE CONTRACTOR SHALL COORDINATE WITH THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT).
- 6. ALL NEW LOOPS SHALL BE CENTERED IN THE TRAFFIC LANE AND THE PROPOSED AND LOCATIONS SHALL BE APPROVED BY MCDOT PRIOR TO INSTALLATION.
- 7. ALL REMOVED TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR IS TO CONTACT THE MCDOT TRAFFIC SIGNAL GROUP (753-7749) TO COORDINATE PICK-UP.

WATER MAIN NOTES:

- 1. ALL NEW WATER MAINS IN THIS PROJECT SHALL BE INSTALLED AT A MINIMUM COVER DEPTH OF 1.5 FEET FOR DOMESTIC MAINS UNLESS OTHERWISE NOTED OR ORDERED BY THE PROJECT MANAGER.
- 2. NEW HYDRANTS ON WATER MAINS INSTALLED AT THE SPECIFIED 4" COVER DEPTH AND GREATER SHALL BE MANUFACTURED FOR 6" BURY.
- 3. FOR ALL ABANDONED WATER MAIN AND HYDRANT BRANCHES, THE CONTRACTOR SHALL PLUG ALL CUT AND OPEN PIPE ENDS WITH 12 INCHES OF CONCRETE. THE COST OF WHICH IS TO BE INCLUDED IN THE APPROPRIATE UNIT PRICE BID FOR ITEMS UNDER SECTIONS 5907, 5908 OR 5917. THE CONTRACTOR SHALL ALSO NOTIFY UTILITY OWNERS IN THE SHUT POSITION, INCLUDING VALVES ON HYDRANT BRANCHES AND SERVICES.
- 4. ALL GATE VALVES IN THIS PROJECT SHALL BE OF THE RESILIENT SEAT PIPE, BID ITEM 5905, 5906 AND 5908. ALL GATE VALVES SHALL REQUIRE MECHANICAL RESTRAINT. RESTRAINT SHALL BE PROVIDED BY MECHANICAL RESTRAINT AT BOTH ENDS. COST OF MECHANICAL RESTRAINTS SHALL BE INCLUDED IN THE PIPE ITEM.
- 5. APPROPRIATE MEASURES SHALL BE TAKEN TO PREVENT DIRT, DEBRIS AND SURFACE WATER FROM CONTAMINATING THE WATER MAIN. THE EXCAVATION WATER LEVEL SHALL NEVER BE LESS THAN 12 INCHES BELOW THE PIPE INVERT, AND WHENEVER AN OPEN PIPE END IS UNATTENDED, IT SHALL BE COVERED IN A WATER TIGHT MANNER.
- 6. THE WATER MAIN SHALL BE PRESSURIZED/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD CODE, CODES LATEST VERSIONS WHERE APPLICABLE; OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. SEE CITY OF ROCHESTER STANDARD SPECIFICATION SECTION 5900 GENERAL WATER PROVISIONS, TESTING.
- 7. WHERE WATER MAINS CROSS UNDER SEWERS, MINIMUM VERTICAL SEPARATION BETWEEN THEM SHALL BE 18 INCHES AS MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. WHERE THE WATER UTILITY CROSSES OVER SEWERS, THE VERTICAL SEPARATION SHALL NOT BE LESS THAN 8 INCHES. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT JOINTS AND JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT COMPACTED SELECT SHALL BE PROVIDED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN.
- 8. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS OR STRUCTURES, SEPTIC TANKS, SEEPAGE PITS OR EACH LINES) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
- 9. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
- 10. THRU 81 BLOCKS SHALL CONSIST OF CENTRAL, TRANSIT OR TRUCK MIXED CONCRETE. WHEN APPROVED BY THE CITY OF ROCHESTER, THE WATER UTILITY SHALL BE PERMITTED TO USE ON-SITE MIXED CONCRETE. THE CONCRETE SHALL BE THOROUGHLY MIXED PRIOR TO PLACEMENT. USE OF DRY, UNMIXED CEMENT FOR THRU 81 BLOCKS IS PROHIBITED.
- 11. ALL EXISTING WATER VALVE BOXES THAT ARE ABANDONED, DUE TO THE REPLACEMENT OF THE OLD WATER MAIN, ARE TO BE REMOVED. THE COST OF REMOVAL SHALL BE INCLUDED IN THE APPROPRIATE UNIT PRICE BID FOR ITEMS 203.02, R203.04, 5909.06 OR 5917.05. THE CONTRACTOR SHALL LEAVE ABANDONED VALVES IN THE SHUT POSITION.
- 12. A CATHODIC PROTECTION TEST STATION SHALL BE INSTALLED (SECTION 5986), WHERE SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE PROJECT MANAGER.
- 13. DURING THE WINTER SEASON (NOVEMBER 1 - APRIL 14), THE CITY SNOW OFFICE (585-429-6887) SHALL BE ADVISED OF THE LOCATION, PLACEMENT AND REMOVAL OF ANY STEEL PLATES USED IN PUBLIC RIGHT-OF-WAY. A WARNING SIGN STATING "RAISE PLOW ROAD PLATE 26 FT AHEAD" SHALL BE INSTALLED AS SHOWN IN DETAIL DRAWING NO. 0209-2. ALL STEEL PLATES MUST BE RECESSED, STAKED AND RAMPED.
- 14. DURING THE WINTER SEASON, ARTERIAL AND COLLECTOR STREETS SHALL HAVE A WEARING SURFACE CONSISTING OF FOUR (4) INCHES MINIMUM THICKNESS OF HIGH EARLY STRENGTH CONCRETE. LOCAL ACCESS STREETS SHALL HAVE A WEARING SURFACE CONSISTING OF THREE (3) INCHES OF HIGH EARLY STRENGTH CONCRETE.
- 15. ON ALL STREETS WHERE THE CENTERLINE OF THE WATER MAIN TRENCH IS 6 FEET OR LESS FROM THE EXISTING CURB LINE, OR AS ORDERED BY THE PROJECT MANAGER, THE CONTRACTOR SHALL MILL THE EXISTING 1/2" INCH TOP COURSE MATERIAL BETWEEN THE CURB AND THE EDGE OF THE CURB, THE COST OF WHICH IS TO BE INCLUDED IN THE NEW TOP COURSE MATERIAL. THE NEW TOP COURSE MATERIAL SHALL BE PLACED IN ONE OPERATION, COVERING BOTH THE WATER MAIN TRENCH AND THE AREA BETWEEN THE EDGE OF THE TRENCH AND THE CURB. THE COST OF MILLING AND DISPOSAL OF THE EXISTING ASPHALT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 5204.01 MILLING VARIABLE DEPTH.
- 16. THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT IN WRITING 48 HOURS PRIOR TO TANKING ANY HYDRANT OUT OF SERVICE. IF HYDRANTS TAKEN OUT OF SERVICE SHALL BE RED TAGGED, BAGGED, OR OTHERWISE MARKED IN A MANNER ACCEPTABLE TO THE OWNER. THE FIRE DEPARTMENT SHALL ALSO BE NOTIFIED WHEN A HYDRANT IS PLACED IN SERVICE.
- 17. THE PROJECT OWNER AND AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED IN WRITING 24 HOURS PRIOR TO ANY DISRUPTION IN SERVICES.
- 18. PERMISSION IS REQUIRED TO USE WATER FROM FIRE HYDRANTS. WATER USE REQUIRES THE USE OF A BACKFLOW PREVENTER. THE BACKFLOW PREVENTER SHALL BE SUPPLIED BY THE CONTRACTOR.
- 19. FOR WATER MAINS THAT PASS OVER SEWERS: IF, IN THE OPINION OF THE ENGINEER, THE COMBINES OF EXISTING MATERIALS, IN AVOIDING COMBINATIONS OF DIFFERENT PORTIONS OF BETWEEN 8 INCHES AND 18 INCHES. ALL WATER MAIN TRENCH WITHIN 20 FEET OF THE SEWER SHALL BE ENCASED IN CONTROL DENSITY FILL.
- 20. NITRATE GASSETS TO BE FACTORY INSTALLED ON PVC WATER MAIN.

WATER DISINFECTION NOTES:

- 1. THE WATER MAIN (AND/OR TEMPORARY BYPASS, WHEN PROVIDED) SHALL BE DISINFECTED EQUAL TO AWWA STANDARD CODE FOR DISINFECTION SERVICES. SAMPLING (LATEST REVISION) USING THE CONTINUOUS FLOW METHOD. FOLLOWING DISINFECTION, THE WATER MAIN (OR BYPASS PIPE) SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN (OR BYPASS PIPE) IS NO HIGHER THAN TWICE GENERALLY PREVAILING IN THE SYSTEM.
- ALL WATERMAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.
- UPON COMPLETION OF DISINFECTION AND FLUSHING, THE CONTRACTOR SHALL CALL THE MONROE COUNTY DEPARTMENT OF HEALTH (585-753-9857) FOR WATER SAMPLES TO BE COLLECTED. SAMPLES OF WATER MUST BE COLLECTED FROM THE MAIN (OR BYPASS PIPE) AND EACH BRANCH. MAXIMUM DISTANCE BETWEEN DISINFECTING/SAMPLING TAPS ON NEW WATER MAINS AND BYPASS PIPE SHALL BE 1,000 FEET.
- THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLUSHING.
- FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
- THE MONROE COUNTY DEPARTMENT OF HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION FOR DISINFECTION SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(a) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE CONTRACTOR WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT.
- THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF HEALTH.
- 2. FOLLOWING DISINFECTION, ALL TREATED WATER SHALL BE THOROUGHLY FLUSHED FROM THE MAIN (MINIMUM FLUSHING VELOCITY 2.5 FEET PER SECOND, SUPER-CHLORINATED WATER SHALL NOT BE RECHARGE DIRECTLY TO STORAGE OR SANITARY SEWERS OR WATER COURSES, DECONTAMINATION OF TREATED WATER SHALL BE REQUIRED).
- 3. FOR BYPASS WATER MAIN, THE CONTRACTOR SHALL DISINFECT THE EXISTING HYDRANT STAND PIPE PRIOR TO CONNECTING THE BYPASS PIPE. THE HYDRANT STAND PIPE SHALL BE DISINFECTED BY POURING 1 QUART OF COMMERCIALLY AVAILABLE CHLORINE (5% SOLUTION AS CLOROX) INTO THE HYDRANT. THE CONTRACTOR SHALL FLUSH THE HYDRANT WITH CLEAN WATER AND LET STAND FOR A MINIMUM OF 20 MINUTES. THE CONTRACTOR SHALL THEN FLUSH THE HYDRANT AND CONNECT THE BYPASS PIPE.
- 4. WHEN CONNECTING NEW WATER MAINS, WATER SERVICES 6 INCHES IN DIAMETER AND LARGER, AND HYDRANT BRANCHES TO THE EXISTING WATER MAINS, THE INTERFACING NEW PIPE, OPEN PIPE ENDS, SLEEVES, SADDLES, VALVES AND ALL FITTINGS USED TO MAKE THE CONNECTION SHALL BE SWAB DISINFECTED USING A 1% PERCENT HYPOCHLORITE (BLEACH) SOLUTION. WHENEVER THESE APPURTENANCES HAVE NOT BEEN SUBJECT TO THE 24 HOUR DISINFECTION CONTACT PERIOD, THE SOLUTION SHALL BE APPLIED NO MORE THAN 30 MINUTES PRIOR TO INSTALLATION.

WATER SERVICE NOTES:

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DISPOSITION OF ALL WATER SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND INSTALLATION OF BORER SOLEY BY THE CONTRACTOR. ALL WATER SERVICE WORK SHALL BE COORDINATED WITH THE ROCHESTER WATER BUREAU.
- 2. MINIMUM COVER DEPTH FOR NEW WATER SERVICES IN THIS PROJECT SHALL BE 4.5 FEET FOR DOMESTIC SERVICES UNLESS NOTED OR ORDERED OTHERWISE BY THE PROJECT MANAGER.
- 3. EXISTING CURB BOXES (ON ABANDONED AND PREVIOUSLY ABANDONED SERVICES SHALL BE REMOVED UNDER ITEM 5914. AS APPROVED BY THE PROJECT MANAGER, ONLY IF LOCATED IN AREAS WHERE NO WORK IS PLANNED. OTHERWISE CURB BOX REMOVAL SHALL BE PAID FOR UNDER ITEM R206.04 OR 203.02.
- 4. FOR NEW WATER SERVICE CARD INFORMATION, THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL COORDINATE MEASUREMENT TO THE NEAREST HYDRANT WHERE SERVICES ARE MORE THAN 200 FEET FROM THE INTERSECTING STREET RIGHT-OF-WAY.
- 5. THE CONTRACTOR MUST OBTAIN WORK RELEASES FROM PROPERTY OWNERS WHERE WORK IS REQUIRED ON WATER SERVICES OUTSIDE OF PUBLIC RIGHT-OF-WAYS.
- 6. THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE TO CUSTOMERS WHOSE SERVICE IS DISCONNECTED MORE THAN 24 HOURS.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR TESTING THE NEW SERVICE PRIOR TO BACKFILLING. THE TEST SHALL CONSIST OF OPENING THE SOLUTION VALVE OF THE CONNECTION STOP TO EXPOSE THE COMPLETE SERVICE TO ACTIVE LINE PRESSURE IN THE PRESENCE OF THE ENGINEER. ALL WATER SERVICE PIPE AND APPURTENANCES SHALL BE MADE WATER TIGHT PRIOR TO ACCEPTANCE.

MCPWP ROCHESTER PURE WATERS DISTRICT SEWER NOTES:

- 1. THE ROCHESTER PURE WATERS DISTRICT (RPWD) MUST RECEIVE THE FOLLOWING PRIOR TO GIVING NOTICE TO PROCEED WITH SEWER CONSTRUCTION:
 - SHOP DRAWINGS/CERTIFICATION LETTERS/TEST REPORTS FOR ALL MATERIALS TO BE USED FOR THE STORM/SANITARY/COMBINATION SEWERS AND LATERAL CONSTRUCTION. THE DOCUMENTS MUST BE APPROVED BY THE CONTRACTOR, ENGINEER AND RPWD PRIOR TO CONSTRUCTION.
- 2. THE ROCHESTER PURE WATERS DISTRICT SHALL BE NOTIFIED, IN WRITING, SEVEN (7) WORKING DAYS IN ADVANCE OF MANUAL SEWER CONSTRUCTION, AND FORTY-EIGHT (48) HOURS IN ADVANCE OF LATERAL CONNECTION INSTALLATION, OR DISTRICT-SUPPLIED TAP. THE DRAIN/OVER OR HIGHER HEIGHT OF THE ABANDONED MAIN LINE VALVES IN THE SHUT POSITION, INCLUDING VALVES ON HYDRANT BRANCHES AND SERVICES.
- 3. PRIOR TO A LATERAL SERVICE CONNECTION AND INSTALLATION, A SEWER CONNECTION PERMIT MUST BE OBTAINED FROM THE MONROE COUNTY PURE WATERS (MCPWP) PERMIT OFFICE, 444 EAST HENRIETTA ROAD, BUILDING 15, ROCHESTER NY 14620.
 - A SEWER CONNECTION PERMIT WILL NOT BE ISSUED UNTIL THE NEW SEWER CONSTRUCTION IS COMPLETE, HAS PASSED ALL REQUIRED TESTS & INSPECTIONS, ASSESSMENTS TO THE RPWD ARE COMPLETED IF APPLICABLE, AN AS-BUILT IS FURNISHED TO AND ACCEPTED BY THE RPWD, AND THE RPWD HAS APPROVED AND WATERED THE NEW SEWER.
 - A SEWER CONNECTION PERMIT CAN ONLY BE ISSUED TO A LICENSED PLUMBER THAT IS FULLY INSURED AND BONDED IN THE RPWD.
 - APPLICABLE SEWER CONNECTION PERMIT FEES MUST BE PAID PRIOR TO OR AT THE TIME OF PERMIT ISSUANCE. PAYMENT MUST BE MADE BY CHECK OR MONEY ORDER PAYABLE TO THE "RPWD".
- 4. STORM/SANITARY/COMBINATION SEWERS, LATERALS, AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE ROCHESTER PURE WATERS DISTRICT.
- 5. APPROPRIATE MEASURES MUST BE TAKEN TO PREVENT DIRT, DEBRIS, AND CONSTRUCTION MATERIALS FROM ENTERING STORM/SANITARY/COMBINATION SEWERS, LATERALS, GATCH BASINS, MANHOLES, AND APPURTENANCES DURING CONSTRUCTION. IMMEDIATELY REMOVE ANY SUCH MATERIALS FROM MCPWP - RPWD SEWERS AND APPURTENANCES AND REPAIR ANY DAMAGE CAUSED BY SUCH MATERIALS AT NO COST TO THE OWNER.
- 6. REPLACE ALL MCPWP - RPWD SEWER MANHOLE FRAMES AND COVERS (AS NOTED) WITH NEW FRAMES AND COVERS FURNISHED BY MCPWP. MAKE ARRANGEMENTS TO OBTAIN NEW FRAMES AND COVERS FROM MCPWP BY PHONE, BY MAIL, BY FAX, BY COURIER, OR BY DELIVERY. WORKING DAYS IN ADVANCE. ADJUSTMENTS TO MCPWP - RPWD STRUCTURES MUST BE MADE IN CONFORMANCE WITH THE REQUIREMENTS OF THE RPWD.
- 7. ALL OLD/REMOVED CATCH BASIN GRATES AND MANHOLE CASTINGS ARE PROPERTY OF MCPWP - RPWD. RETURN FRAMES, GRATES AND CASTINGS TO MONROE COUNTY PURE WATERS FLEET CENTER AT 145 PAUL ROAD, MONDAY THROUGH FRIDAY BETWEEN 8:00AM AND 5:00PM AT NOT COST TO THE OWNER.
- 8. THE MANLINE SEWER PIPE AND ASSOCIATED FITTINGS SHALL BE PVC 30R-35 CONFORMING TO ASTM D-3034. THE SEWER SERVICE LATERALS AND ASSOCIATED FITTINGS SHALL BE PVC 30R-31 CONFORMING TO ASTM D-2941. JOINTS ON HORIZONTAL PORTIONS SHALL BE PUSH-ON NEOPRENE GASKETS. GUELED OR CHEMICALLY WELDED JOINTS WILL ONLY BE ALLOWED AT, AND ARE RESTRICTED TO, THE POINT OF ENTRY INTO THE MAIN OR TO THE SEWER CLEANOUT. FOR A SEWER CLEANOUT, THE RISER AND APPROPRIATE FITTINGS SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-2665.
- 9. SPACING BETWEEN SEWER MANHOLES SHALL NOT EXCEED THREE HUNDRED FEET (300').
- 10. CLEANOUTS SHALL BE INSTALLED ON ALL 4" AND 6" DIAMETER SEWER LATERALS AT THE RIGHT-OF-WAY (ROW) LINE, OR THE SEWER EASEMENT LINE WHERE APPLICABLE. (THE SEWER EASEMENT RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE SHALL BE THE POINT OF INSTALLATION OF LOT LINE CLEANOUTS TO ENSURE PROPER LOCATION OF THE CLEANOUTS. (REFER TO CLEANOUT DETAIL FOR PROPER INSTALLATION).)
- 11. ANY PORTION OF A SEWER AND/OR LATERAL WITH LESS THAN FOUR-FEET (4') OF COVER WILL REQUIRE CONCRETE ENCASING. SEWERS/LATERALS WITH LESS THAN THREE-FEET (3') OF COVER ARE NOT ALLOWED.
- 12. ELEVATIONS OF BASEMENTS WILL BE SUCH TO ALLOW GRAVITY FLOW OF BASEMENT FIXTURES TO THE SANITARY/COMBINATION SEWER, WHEREVER POSSIBLE.
- 13. SPECIAL CARE MUST BE TAKEN TO INSURE SEWERS ARE INSTALLED TO DESIGN GRADES. ANY SEWER NOT INSTALLED TO DESIGN GRADE AND BELOW THOSE INDICATED IN SECTION 33.41 OF THE RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES (608) - LAKES-UPPER MISSISSIPPI RIVER BOARD OF THE STATE PUBLIC HEALTH AND ENVIRONMENT MANAGERS) (I.E. A TO STATES STANDARDS) WILL BE RELAYED WITH AT LEAST THE RECOMMENDED MINIMUM SLOPE AT THE EXPENSE OF THE DEVELOPER OR HIS/HER/HIS/HER AGENT.
- 14. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY/COMBINATION SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS. NOTE: ALL DISCHARGES FROM SEWERS SHALL BE COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR MONROE COUNTY SEWER USE LAW.

ENVIRONMENTAL MANAGEMENT PLAN NOTES:

- 1. THE CONTRACTOR ACKNOWLEDGES THAT THE CITY OF ROCHESTER WILL HAVE AN ENVIRONMENTAL PROJECT MONITOR ON-SITE TO INSPECT AND MONITOR THE EXCAVATION, CLASSIFICATION, SEGREGATION, AND MANAGEMENT OF SPILLS. FOR THIS CONTRACT, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE THE SUBSURFACE MATERIAL IN DISCRETE LAYERS TO MINIMIZE THE COMBINES OF EXISTING MATERIALS. IN AVOIDING COMBINATIONS OF DIFFERENT PORTIONS OF FOOT LAYS. THE CLASSIES OF MATERIAL APPLICABLE FOR EXCAVATION, SEGREGATION AND MANAGEMENT (AS DETAILED IN THE ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THIS PROJECT) ARE BRIEFLY SUMMARIZED IN THE FOLLOWING TABLE:

CLASS OF MATERIAL	GENERAL DESCRIPTION OF MATERIAL	GENERAL MANAGEMENT OF MATERIAL
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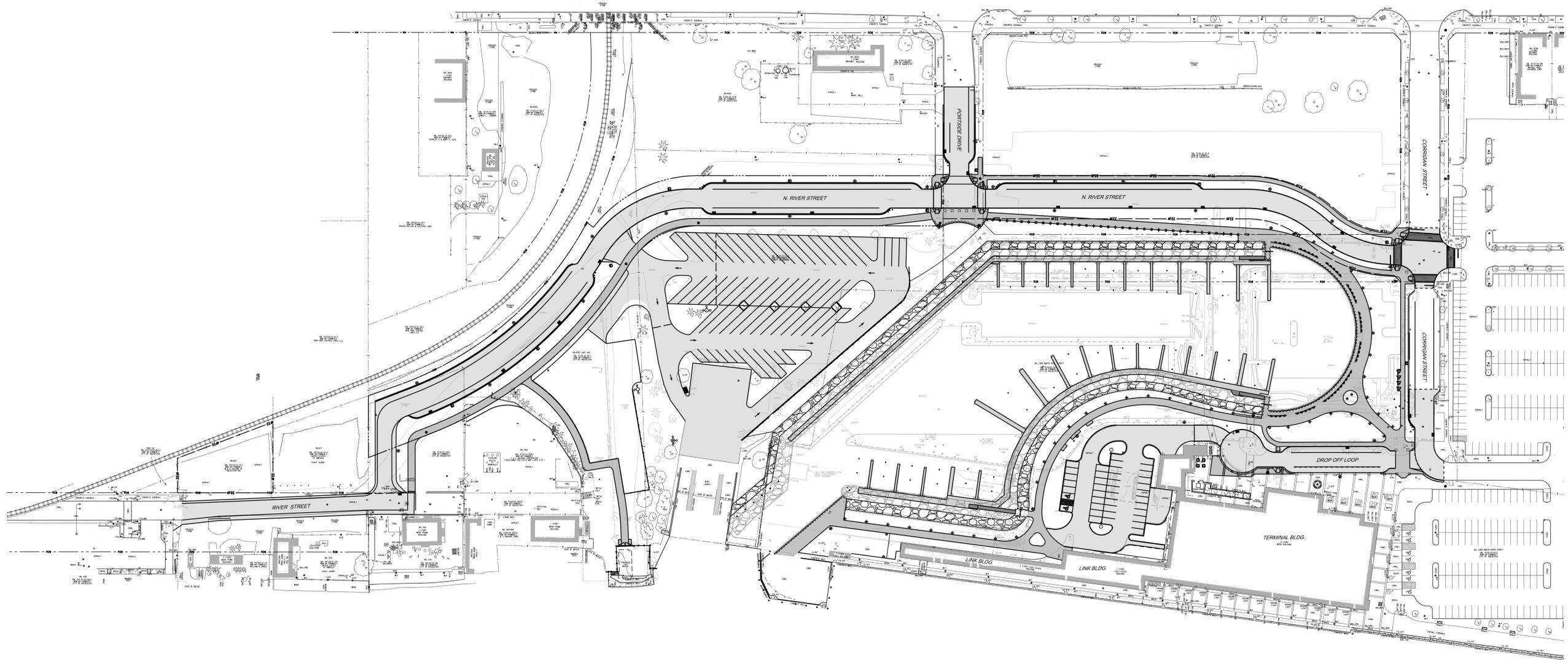


PROJECT/CLIENT

**PORT OF ROCHESTER
MARINA DEVELOPMENT
PROJECT**
ROCHESTER, NY



City of Rochester



NO.	DATE	REVISION

In the State of New York, Edgewater Resources, LLC (Lic. No. 1702) is an approved entity under the direction of a licensed architect, professional engineer, or land surveyor to draw and seal as a professional engineer. For the purpose of this drawing, Edgewater Resources, LLC is acting as a professional engineer. The seal and signature of the professional engineer are required for this drawing to be used for construction. The seal and signature of the professional engineer are required for this drawing to be used for construction. The seal and signature of the professional engineer are required for this drawing to be used for construction.

ISSUED FOR
BID

DRAWING TITLE
**GENERAL LAYOUT
PLAN**

DATE: JULY 22, 2013
SCALE: 1" = 60'
DESIGNED BY: MHB
DRAWN BY: MHB
REVIEWED BY: MHB
PROJECT NUMBER: 210660

DRAWING NUMBER
G2.01

GENERAL ROADWAY AND PARKING LOT CONSTRUCTION NOTES

- ALL WORK REQUIRED TO CONSTRUCT, PREPARE, DELINEATE AND SIGN WORK AREAS SHALL BE COMPLETED PRIOR TO MAINTAINING TRAFFIC THROUGH THE WORK AREA. MATERIALS NECESSARY FOR ESTABLISHING CONSTRUCTION WORK ZONES, (I.E. SIGNS, BARRIERS, DRUMS, CONES, ETC) SHALL BE PLACED PRIOR TO BEGINNING WORK ON EACH STAGE AND/OR PHASE, AND SHALL NOT BE REMOVED IF THEY ARE APPLICABLE IN SUBSEQUENT PHASES. ADDITIONAL MATERIALS REQUIRED FOR SUBSEQUENT STAGES AND/OR PHASES ARE TO BE PLACED AS NEEDED AND BEFORE WORK IS BEGUN ON THAT STAGE OR PHASE.
- WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE IS NO CONFLICT IN SIGNING AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.
- THE CONTRACTOR SHALL COORDINATE ANY UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE, OR OTHER CONSTRUCTION OPERATIONS IN THE AREA, AND IS RESPONSIBLE FOR ENSURING THAT PROPER WORK ZONE TRAFFIC CONTROL IS OBTAINED FOR ALL CONDITIONS.
- VEHICLES BELONGING TO THE CONTRACTOR OR HIS WORK FORCE SHALL NOT BE PARKED ON THE PAVEMENT, SHOULDER, OR WITHIN 30 FT OF THE PAVEMENT ALONG THE ROADWAY BEING USED BY THE GENERAL PUBLIC WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL NOT PARK HIS EQUIPMENT NOR STORE MATERIAL WITHIN 30 FT OF THE EDGE OF THE TRAVEL LANES WITHOUT PROPER PROTECTION FOR THE TRAVELING PUBLIC.
- VEHICLES BELONGING TO THE CONTRACTOR OR HIS WORK FORCE SHALL NOT BE PARKED IN A MANNER, WHICH OBSTRUCTS ANY SIGNS, BARRIERS, BARRICADES, OR ANY OTHER TRAFFIC CONTROL DEVICES.
- CONTRACTOR'S VEHICLES MUST AT ALL TIMES COMPLY WITH THE DESIGNATED TRAFFIC FLOW.
- THE CONTRACTOR MUST PROVIDE SAFE AND REASONABLE ACCESS THRU THE PROJECT LENGTH FOR THE TRAVELING PUBLIC FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ARRANGE A MEETING PRIOR TO BEGINNING WORK, WITH CITY PERSONNEL, FACILITY MANAGERS AND EMERGENCY SERVICE PROVIDERS TO DISCUSS THE CONSTRUCTION SCHEDULE AND ACCESS CONCERNS, AT THIS MEETING THE CONTRACTOR WILL OUTLINE THE SCHEDULE OF OPERATIONS FOR THE PROJECT.
- WHERE DIRECT ACCESS TO DRIVEWAYS IS NOT POSSIBLE DUE TO NECESSARY CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PLAN ALTERNATE MEANS OF ACCESS AND SUBMIT SUCH PLANS FOR APPROVAL. THE OCCUPANT SHALL BE PROVIDED 48 HOURS NOTICE OF ANY CHANGES IN ACCESS.
- THE CONTRACTOR SHALL PLAN THE WORK SCHEDULE SUCH THAT DURING THE WINTER OPERATIONS, APPROXIMATELY BETWEEN SEPTEMBER 15 AND MAY 15, ALL TRAVEL AND TURNING LANES SHALL BE ASPHALT PAVED AND OPEN TO THE TRAVELING PUBLIC. SIGNS AND PAVEMENT MARKINGS SHALL BE PLACED AS SHOWN ON THE PLANS.
- DURING THE COURSE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE TRAVEL WAY FREE OF BUMPS THAT MAY BE CREATED BY HIS WORK OPERATIONS. TRANSVERSE VERTICAL FACED BETWEEN PAVEMENT SURFACES THAT EXCEED 1 INCH IN HEIGHT SHALL BE SLOPED OR TAPERED BEFORE THE WORK AREA IS OPEN TO TRAFFIC. TEMPORARY RAMPS SHALL BE CONSTRUCTED FROM BITUMINOUS PATCHING MATERIAL (PLANT MIX OR SUITABLE "WINTER MIX", NO MILLINGS) SO AS TO CREATE THE SMOOTHEST TRANSITION POSSIBLE (60:1 MIN.). THIS RAMP SHALL BE MAINTAINED AND WILL REMAIN IN PLACE UNTIL THE NEED FOR IT IS ELIMINATED BY SUBSEQUENT WORK OPERATION.
- "BUMP" WARNING SIGNS (W8-1) WITH A 15 MPH SIGN (W13-1P) SHALL BE POSTED UPSTREAM AND A DRUM WITH A WARNING LIGHT SHALL BE PLACED ADJACENT TO THE CONDITION. THE POSTED SPEED FOR THE W13-1P SIGN SHALL BE TO MPH LESS THAN THE POSTED SPEED FOR THE AREA.
- OTHER WORK ACTIVITIES AT WHICH THE TRAVELING PUBLIC MAY ENCOUNTER A BUMP WHICH IS SUFFICIENTLY ABRUPT TO CAUSE THE DEFLECTION OF THEIR VEHICLE AT PREVAILING DRIVING SPEEDS (EX. TERMINAL ENDS OF PAVEMENT RECONSTRUCTION WORK) WILL ALSO REQUIRE A "BUMP" SIGN AND DRUM WITH A WARNING LIGHT. AREAS SUCH AS THESE SHOULD CONTAIN A RAMP OF SUFFICIENT LENGTH SUCH THAT THERE IS NO CONSIDERABLE DISCOMFORT FELT BY THE MOTORIST (60:1 MIN.).
- ALL PANELS, CONES, BARRELS AND DRUMS SHALL BE PLACED SO AS TO PROVIDE A MINIMUM OF 2 FT CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ENSURE THAT PLACEMENT OF PANELS, CONES, DRUMS AND BARRICADES WILL NOT INTERFERE WITH ANY SIGHT DISTANCE. THE CONTRACTOR SHALL MAINTAIN THE REFLECTIVITY OF PANELS, CONES, BARRICADES AND DRUM. THE MAXIMUM SPACING OF CONSTRUCTION DRUMS IS 30 FT.
- ALL SIGNS SHALL BE MOUNTED AT A 7 FT MOUNTING HEIGHT MEASURED TO BOTTOM OF SIGN.
- THE CORRECT SEQUENCE AND SPACING OF APPROPRIATE SIGNS, WHETHER PERMANENT, TEMPORARY, OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE PLANS.

- EXISTING SIGNS WHICH CONFLICT WITH THE CONSTRUCTION SIGNS SHALL BE REMOVED, STORED, AND RESET OR COVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING SIGNS DUE TO THE REMOVAL, STORAGE, RESETING OR COVERING OF THE SIGNS, AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL MAINTAIN ALL THE ROUTE MARKER ASSEMBLIES AND STREET NAME SIGNS FOR THE DURATION OF THE CONTRACT OR UNTIL THE NEW ASSEMBLIES ARE INSTALLED.
- THE COLORS USED FOR CONSTRUCTION SIGNING (INCLUDING TEMPORARY OR MODIFIED GUIDE SIGNS) SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
- IF APPLICABLE, DURING WINTER SHUTDOWN, ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION. ALL INAPPROPRIATE CONSTRUCTION SIGNS SHALL BE REMOVED.
- IF ADVANCE SIGNING OBSTRUCTS THE VISIBILITY OF THE FLAGGER OR CONFLICTS WITH DRIVEWAYS OR SIDE ROADS, SIGNS SHOULD BE MOVED UPSTREAM OF THE TRAFFIC FLOW.
- WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W20-7) SHALL BE PLACED AS SHOWN ON THE PLANS ON ALL APPROACHES TO THE AREAS BEING FLAGGED. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
- STOP/SLOW PADDLES SHALL BE A MINIMUM WIDTH OF 2 FT WITH A 6 FT STAFF.
- FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.
- THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION.
- FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, WALKIE-TALKIES, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER(S).
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT PEDESTRIAN AND BICYCLE TRAFFIC IS TO BE MAINTAINED THROUGH OR AROUND THE PROJECT FOR THE DURATION OF CONSTRUCTION. ALL FACILITIES SHALL BE MAINTAINED AND IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA). MATERIAL, EQUIPMENT OR OTHER SUCH BARRIERS SHALL NOT BE PLACED OR PARKED SO AS TO OBSTRUCT PEDESTRIAN AND BICYCLE TRAFFIC OR PRESENT A SAFETY HAZARD TO THE NON-MOTORIZED TRAFFIC.
- WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OR REQUIRED OFF THE EXISTING FACILITY, DETOURED WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS.
- "SIDEWALK CLOSED" SIGNS SHALL BE PLACED AT ALL WORK ZONES WHERE NO PEDESTRIAN TRAFFIC IS PERMITTED THROUGH THE WORK AREA. ADEQUATE ALTERNATE PEDESTRIAN TRAVEL AREAS AND APPROPRIATE ADVANCE SIGNING SHALL BE PROVIDED BY THE CONTRACTOR TO REPLACE SUCH CLOSURES.
- SHOULD THE CONTRACTOR OPT TO CONSTRUCT A TEMPORARY FACILITY, NO ADDITIONAL PAYMENT SHALL BE MADE. THE CONTRACTOR SHALL SUBMIT A WORK ZONE TRAFFIC CONTROL PLAN FOR PEDESTRIAN ACCESS PRIOR TO CLOSING ANY SECTION OF SIDEWALK. ANY TEMPORARY PEDESTRIAN FACILITY SHALL MEET THE FOLLOWING CRITERIA:
 - MINIMUM WIDTH = 5 FT (UNLESS OTHERWISE INDICATED),
 - MAXIMUM CROSS-SLOPE = 2.0%
 - SURFACE CONDITION = STABLE, FIRM, AND SLIP RESISTANT.
- THE CONTRACTOR SHALL MAINTAIN THE SIDEWALK AND ADJACENT LAND AREAS RUT-FREE WITH NO BROKEN SIDEWALK. ANY DISRUPTION THAT RESULTS IN BREAKAGE OF THE SIDEWALK OR RUTTING THE ADJACENT LAND SHALL BE REPAIRED IMMEDIATELY IN CONFORMANCE WITH ADA.
- TEMPORARY SAFETY FENCING SHALL BE PLACED ALONG ANY TEMPORARY OR PERMANENT SIDEWALK ADJACENT TO ANY EXCAVATION OR VERTICAL DROP OFF. SAFETY FENCING SHALL BE CONTINUOUS PLASTIC FLUORESCENT ORANGE SUPPORTED BY METAL OR WOOD POSTS. THE FENCING SHOULD BE A MINIMUM OF 4 FT HIGH AND MAY INCLUDE A TOP AND BOTTOM RAIL TO PROVIDE ADEQUATE SUPPORT.
- THE CONTRACTOR SHALL MAINTAIN DRAINAGE FACILITIES AND OTHER HIGHWAY ELEMENTS, OLD OR NEW. THE CONTRACTOR SHALL DEVOTE PARTICULAR ATTENTION TO ALL DRAINAGE FACILITIES KEEPING THEM FULLY OPERATIVE AT ALL TIMES. DITCHES WITH SILT FENCES SHALL BE PROVIDED AT ALL TIMES EVEN DURING GRADING OPERATIONS AND PERIODS OF ACCUMULATED PLOWED SNOW TO ADEQUATELY DRAIN THE TRAVELED WAY. TEMPORARY PIPES OR DITCHES MAY BE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL ROAD CLOSURES WITH FACILITY MANAGERS. IMPACTS TO FACILITIES SUCH AS DUMPSTERS, LIGHTING, PARKING, PEDESTRIAN ACCESS, ETC., SHALL BE ADDRESSED PRIOR TO CLOSING ROAD OR DRIVEWAY.
- ENCROACHMENT ON THE RAILROAD RIGHT-OF-WAY SOUTH OF THE SITE BY CONTRACTOR OPERATIONS, EQUIPMENT, MATERIALS, STOCKPILES, OR PERSONAL VEHICLES SHALL NOT BE ALLOWED AT ANY TIME. IF THE CONTRACTOR DEEMS IT NECESSARY TO HAVE ACCESS TO THIS RIGHT-OF-WAY, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A WORK PERMIT FROM THE RAILROAD AND PROVIDE EVIDENCE OF THE PERMIT TO THE CITY OF ROCHESTER.

STAGING NOTES

- SEASONAL RESTRICTIONS FOR THE PURPOSES OF THIS PROJECT, THE SUMMER SEASON IS DEFINED AS MAY 15 THROUGH SEPTEMBER 15 AND THE REMAINDER OF THE YEAR IS DEFINED AS THE WINTER SEASON.
- BOAT LAUNCH ACCESS TO THE PUBLIC BOAT LAUNCH IS TO BE MAINTAINED AT ALL TIMES. A SEASONAL REDUCTION IN PARKING AND LAUNCH CAPACITY WILL BE ALLOWED BETWEEN OCTOBER 1 AND APRIL 30. TWO LAUNCH SLIPS AND TEN TRAILER PARKING SPACES SHALL REMAIN OPERATIONAL DURING THIS SEASONAL REDUCTION.
- MAINTAIN VEHICULAR ACCESS ON FIRM STABLE SURFACE TO THE BOAT LAUNCH. IF THE PRIMARY ACCESS FROM PORTSIDE DRIVE WILL BE INTERRUPTED FOR MORE THAN 24 HOURS, ADEQUATE DETOUR SIGNING WILL BE REQUIRED TO DIRECT LAUNCH TRAFFIC TO THE ALTERNATE ACCESS POINT.
- CLOSURE OF CORRIGAN STREET EAST OF RIVER STREET WILL REQUIRE A DETOUR THROUGH THE PARKING LOTS IN ORDER TO MAINTAIN VEHICULAR ACCESS TO THE TERMINAL BUILDING. EMERGENCY VEHICLE ACCESS TO THE TERMINAL BUILDING SHALL BE MAINTAINED ON CORRIGAN STREET DURING THE SUMMER SEASON. DURING THE WINTER SEASON, EMERGENCY ACCESS SHALL BE MAINTAINED VIA THE BEACH AVENUE RIGHT-OF-WAY FROM LAKE AVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAR PATH (INCLUDING SNOW REMOVAL) FROM LAKE AVENUE TO THE TERMINAL BUILDING.
- VEHICULAR ACCESS TO THE SOUTH SIDE OF THE TERMINAL BUILDING FOR MAINTENANCE AND OPERATIONS OF THE VARIOUS TENANTS OF THE BUILDING SHALL BE MAINTAINED DURING THE SUMMER SEASON. GENERAL PUBLIC ACCESS TO THE TERMINAL BUILDING CAN BE RESTRICTED TO THE PARKING LOT NORTH OF THE BUILDING.
- RIVER STREET MAINTAIN ACCESS TO THE BUSINESSES ON RIVER STREET DURING UTILITY CONSTRUCTION AND CONSTRUCTION OF IMPROVEMENTS TO RIVER STREET UTILIZING THE EXISTING TEMPORARY CONNECTION TO NORTH RIVER STREET. CLOSURE OF THE TEMPORARY CONNECTION TO NORTH RIVER STREET WILL NOT BE ALLOWED DURING THE SUMMER SEASON OR DURING CLOSURE OF ACCESS TO THE BOAT LAUNCH FROM PORTSIDE DRIVE.
- STAGING/LAYDOWN AREAS THE PARKING LOT WEST OF NORTH RIVER STREET WILL BE AVAILABLE TO THE CONTRACTOR FOR USE AS A STAGING AREA FOR THE DURATION OF THE PROJECT. THE LOT HAS CURB CUTS ON THE NORTH AND SOUTH ENDS TO CORRIGAN STREET AND PORTSIDE DRIVE RESPECTIVELY. IF THIS LOT IS USED FOR STAGING, THE CONTRACTOR SHALL RESTRICT HEAVY VEHICLE ACCESS TO THE PORTSIDE DRIVE CURB CUT. UPON COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE EXISTING ASPHALT PAVEMENT FROM THE LOT, GRADE THE SURFACE TO PROVIDE POSITIVE DRAINAGE, AND PLACE MINIMUM 3 INCHES OF NO. 2 CRUSHED STONE. LIGHTING POLES AND FIXTURES SHALL BE REMOVED BY THE END OF LOT RESTORATION. SALVAGE FIXTURES AND DELIVER TO CITY OF ROCHESTER, LIGHTING DIVISION.

GENERAL PHASING SEQUENCE

- THE PHASING PLAN PROVIDES A SUGGESTED SEQUENCE FOR PERFORMING THE WORK. THE CONTRACTOR MAY ELECT TO SCHEDULE SOME OF THE WORK IN DIFFERENT PHASES BUT SHALL NOT DO SO WITHOUT APPROVAL FROM THE ENGINEER. CHANGES IN THE PHASING OF THE WORK WILL ONLY BE CONSIDERED IF THE CONTRACTOR CAN DEMONSTRATE A BENEFIT TO THE TRAVELING PUBLIC AND RESIDENTS LOCATED WITHIN OR ADJACENT TO THE PROJECT LIMITS. THE CONTRACTOR SHALL SUBMIT A SPECIFIC CONSTRUCTION SIGNAGE PLAN TO THE ENGINEER FOR REVIEW AND COMMENT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION. ANY CHANGES IN THE PHASING OR SEQUENCE SHALL BE APPROVED PRIOR TO CONSTRUCTION.

PHASE 1

- USING WINTER SEASON STAGING/MPOT PLAN, (FALL 2013), THE CONTRACTOR SHALL CONSTRUCT ALL MAJOR UNDERGROUND UTILITIES (SANITARY AND STORM SEWERS, WATERMAIN, ETC.).

PHASE 2

- USING WINTER SEASON STAGING/MPOT PLAN (SPRING 2014), THE CONTRACTOR SHALL CONDUCT DEMOLITION PER DEMOLITION PLANS.

PHASE 3

- USING SUMMER SEASON STAGING/MPOT PLAN, THE CONTRACTOR SHALL CONSTRUCT RIVER STREET FROM THE SOUTHERN LIMIT TO PORTSIDE DRIVE INCLUDING REMAINING UTILITIES, ROADBED THROUGH BINDER COURSE, CURB, LIGHTING, TRAIL/SIDEWALK, BOAT LAUNCH AREA/PARKING LOT MODIFICATIONS AND APPURTANCES.

PHASE 4

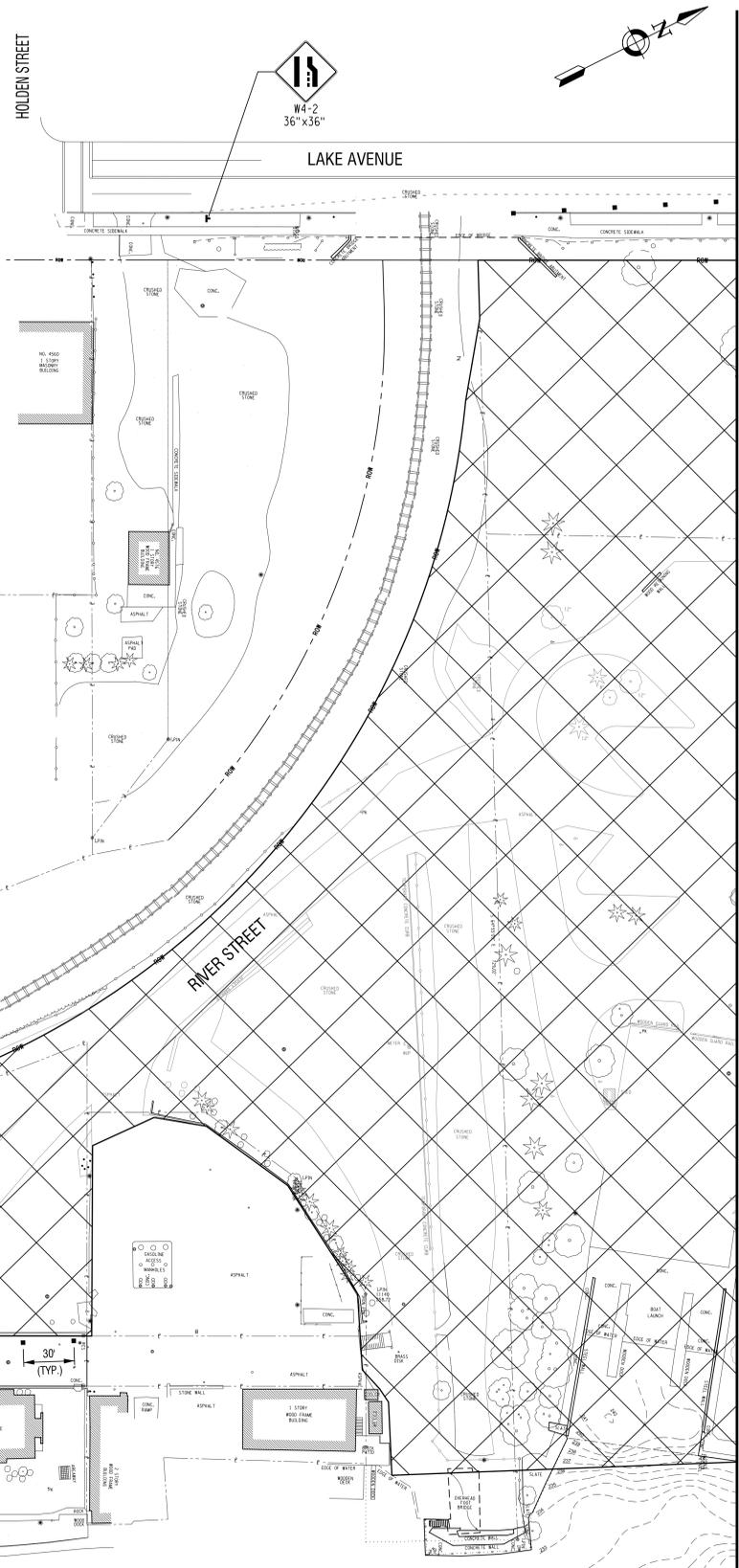
- USING SUMMER SEASON STAGING/MPOT PLAN, THE CONTRACTOR SHALL CONSTRUCT THE MARINA AREA AND RELATED APPURTANCES.

PHASE 5

- USING SUMMER SEASON STAGING/MPOT PLAN, THE CONTRACTOR SHALL CONSTRUCT NORTH RIVER STREET FROM PORTSIDE DRIVE TO CORRIGAN STREET, PORTSIDE DRIVE AND DROP-OFF LOOP INCLUDING REMAINING UTILITIES, ROADBED THROUGH BINDER COURSE, CURB, LIGHTING, TRAIL/SIDEWALK AND APPURTANCES.

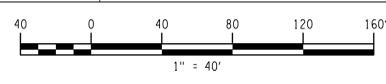
PHASE 6

- THE CONTRACTOR SHALL PLACE ASPHALT TOP COURSE ON ALL ROADS, INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNS, PERFORM ALL FINAL GRADING AND LANDSCAPING OPERATIONS AND OPEN ALL ROADS TO TRAFFIC.



MATCH LINE SEE DWG. NO. G3.02

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
▬	CHANNELIZING DEVICE
▶	CONSTRUCTION SIGN
▨	WORK ZONE
ROAD CLOSED R11-2 48"x30"	CONSTRUCTION SIGN FACE M.U.L.T.C.D. DESIGNATION SIGN SIZE



PROJECT/CLIENT
PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
ROCHESTER, NY



NO.	DATE	REVISION

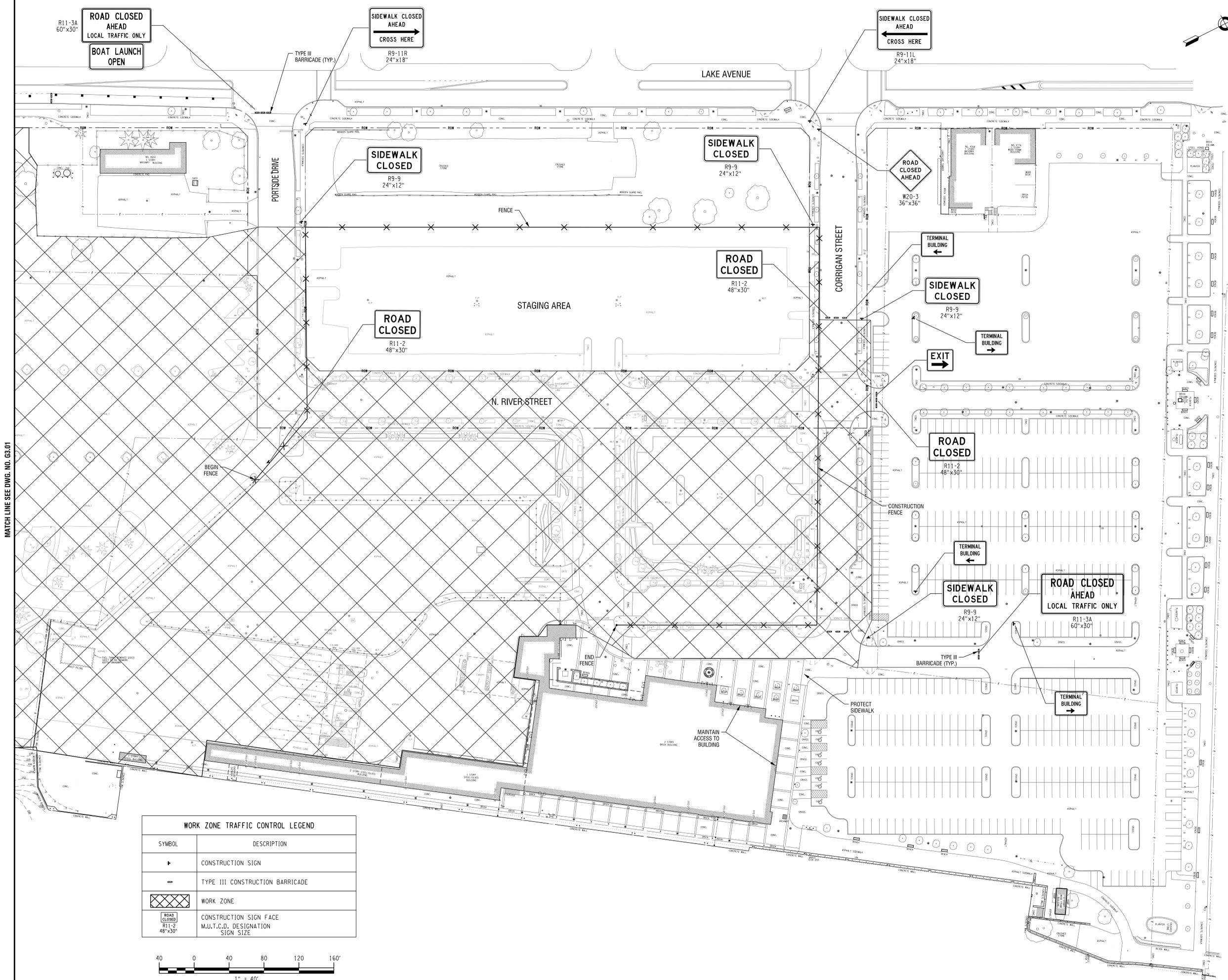
ISSUED FOR

BID

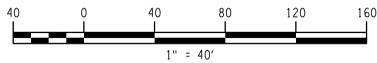
DRAWING TITLE
STAGING/MPOT PLAN WINTER SEASON (SEPTEMBER - MAY)

DATE: JULY 22, 2013
SCALE: 1" = 40'
DESIGNED BY: CAE
DRAWN BY: CON
REVIEWED BY: WDD
PROJECT NUMBER: 210660
DRAWING NUMBER:

G3.01



WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
	CONSTRUCTION SIGN
	TYPE III CONSTRUCTION BARRICADE
	WORK ZONE
	CONSTRUCTION SIGN FACE M.U.T.C.D. DESIGNATION SIGN SIZE



MATCH LINE SEE DWG. NO. G3.01

NO.	DATE	REVISION

ISSUED FOR

BID

DRAWING TITLE
**STAGING/MPOT
PLAN
WINTER SEASON
(SEPTEMBER - MAY)**

DATE: JULY 22, 2013
SCALE: 1" = 40'
DESIGNED BY: CAE
DRAWN BY: CON
REVIEWED BY: WDD
PROJECT NUMBER: 210660

DRAWING NUMBER

G3.02



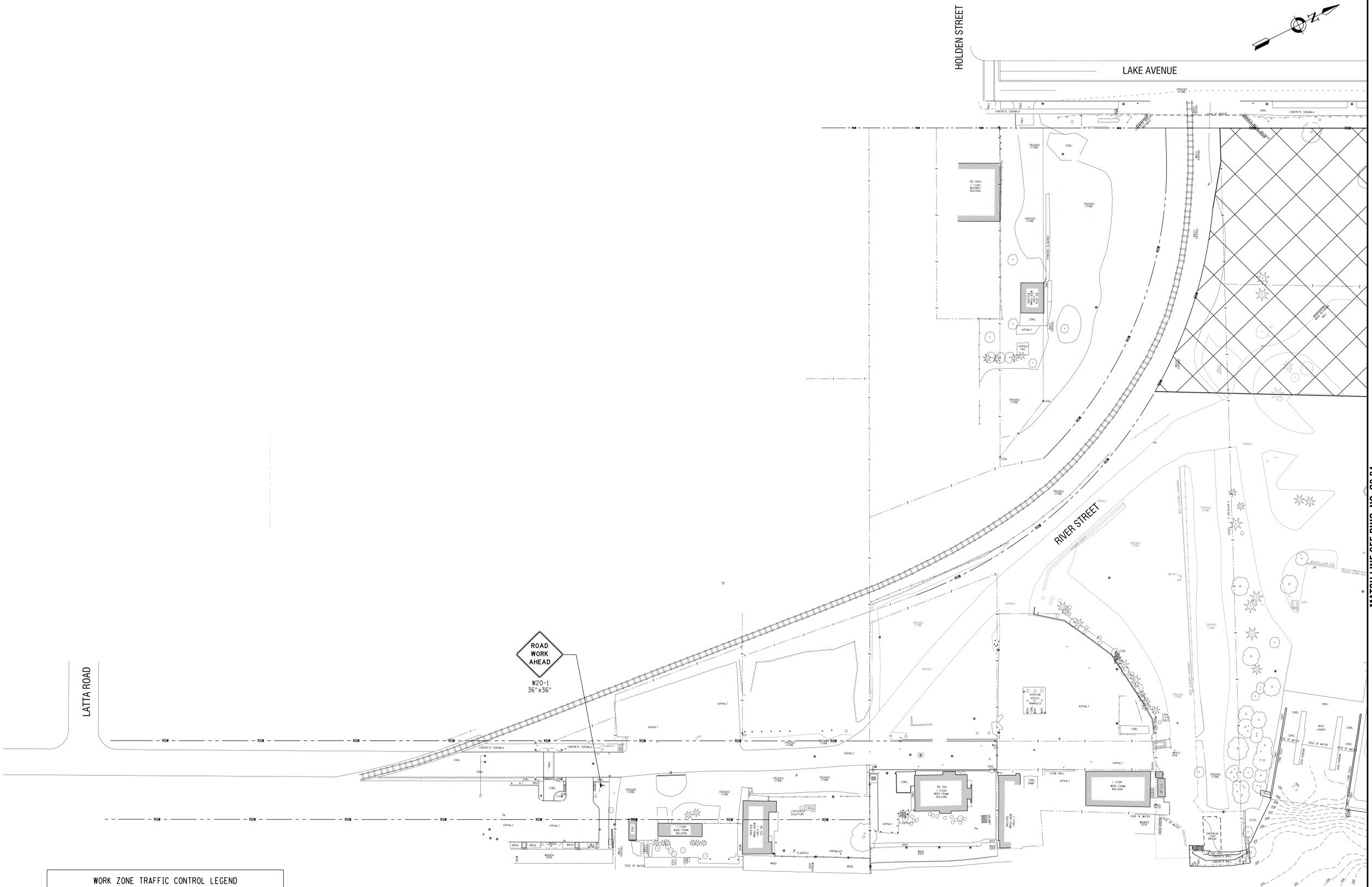
PROJECT/CLIENT

**PORT OF ROCHESTER
MARINA DEVELOPMENT
PROJECT**
ROCHESTER, NY

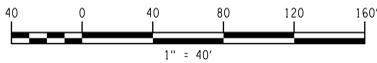


City of Rochester

MATCH LINE SEE DWG. NO. G3.04



WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
	CONSTRUCTION SIGN
	WORK SPACE
	CONSTRUCTION SIGN FACE M.U.T.C.D. DESIGNATION SIGN SIZE



NO.	DATE	REVISION
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ISSUED FOR

BID

DRAWING TITLE
**STAGING/MPOT
PLAN
SUMMER SEASON
(MAY - SEPTEMBER)**

DATE: JULY 22, 2013
SCALE: 1" = 40'
DESIGNED BY: CAE
DRAWN BY: CON
REVIEWED BY: WDD
PROJECT NUMBER: 210660

DRAWING NUMBER
G3.03

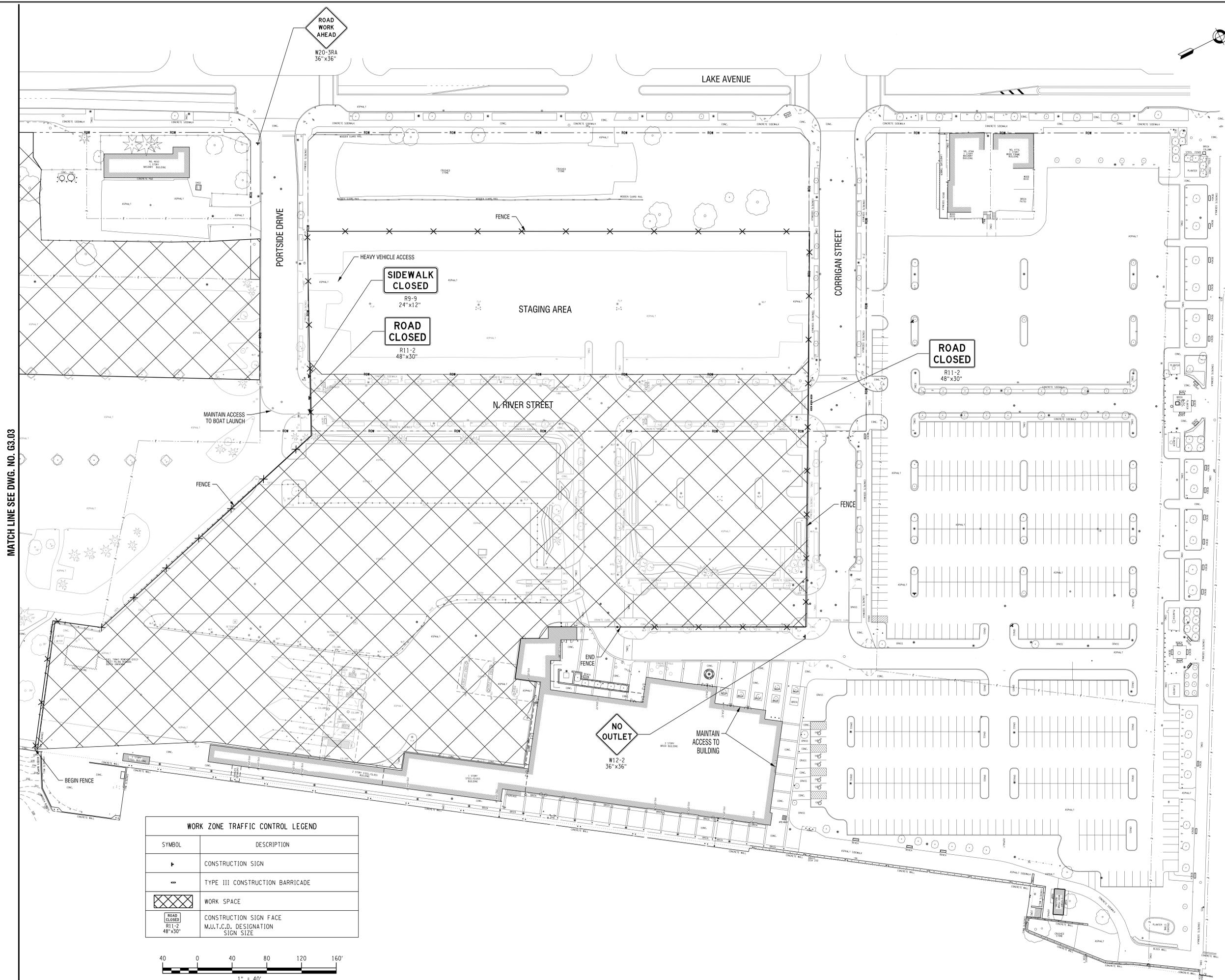


PROJECT/CLIENT

**PORT OF ROCHESTER
MARINA DEVELOPMENT
PROJECT**
ROCHESTER, NY

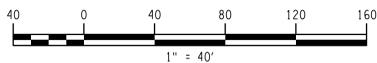


City of Rochester



MATCH LINE SEE DWG. NO. G3.03

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
	CONSTRUCTION SIGN
	TYPE III CONSTRUCTION BARRICADE
	WORK SPACE
	CONSTRUCTION SIGN FACE M.U.T.C.D. DESIGNATION SIGN SIZE



NO.	DATE	REVISION

ISSUED FOR

BID

DRAWING TITLE
**STAGING/MPOT
PLAN
SUMMER SEASON
(MAY - SEPTEMBER)**

DATE: JULY 22, 2013
SCALE: 1" = 40'
DESIGNED BY: CAE
DRAWN BY: CON
REVIEWED BY: WDD
PROJECT NUMBER: 210660

DRAWING NUMBER

G3.04

PLOT DATE: 07/22/2013 10:58 AM
 MODEL: G3.04
 DATE PLOTTED: 7/22/2013 10:58 AM
 PLOTTER: HP DesignJet 2550

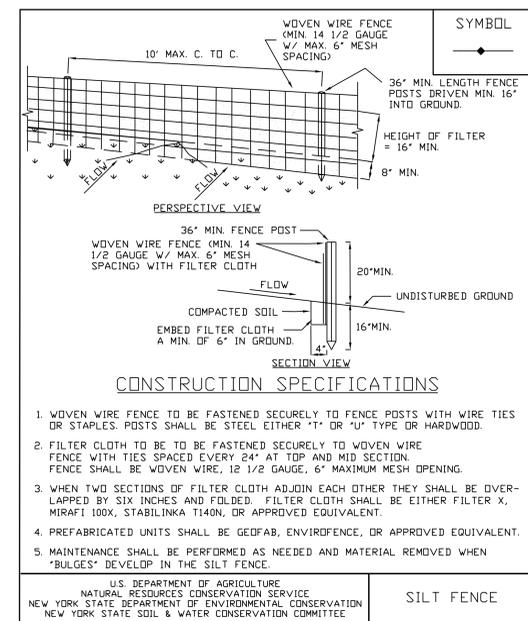
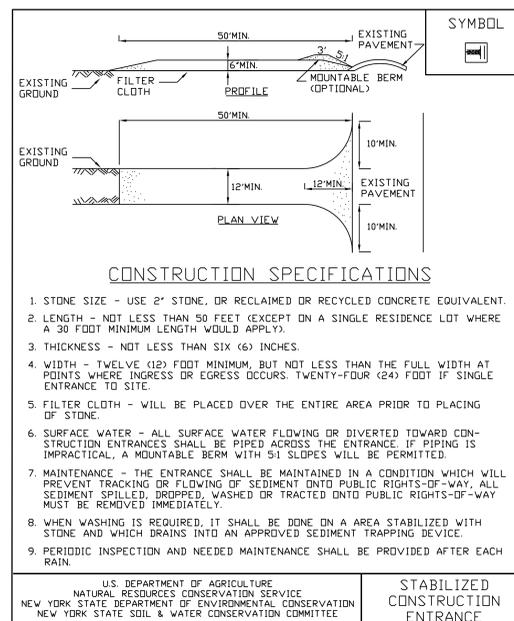
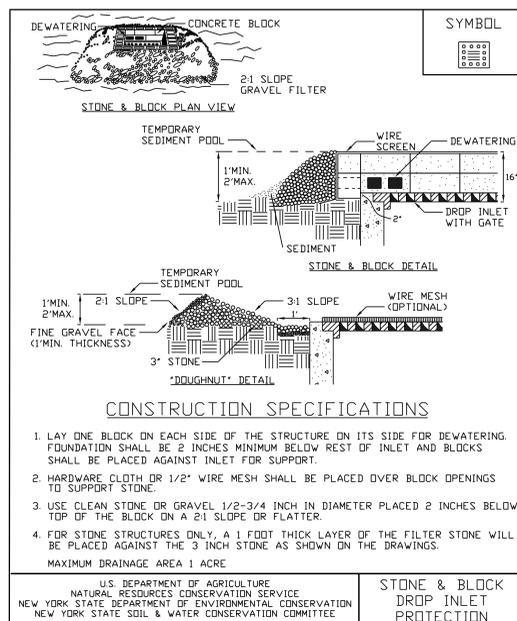


PROJECT/CLIENT

**PORT OF ROCHESTER
MARINA DEVELOPMENT
PROJECT**
ROCHESTER, NY



City of Rochester



NO.	DATE	REVISION
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ISSUED FOR
BID

DRAWING TITLE
**EROSION AND
SEDIMENT
CONTROL DETAILS**

DATE:	JULY 22, 2013
SCALE:	NTS
DESIGNED BY:	MHB
DRAWN BY:	MHB
REVIEWED BY:	JWM
PROJECT NUMBER:	210660

DRAWING NUMBER
G4.03



PROJECT/CLIENT

**PORT OF ROCHESTER
MARINA DEVELOPMENT
PROJECT**
ROCHESTER, NY



City of Rochester

RIVER STREET

ELEMENT: LINEAR	STATION	NORTHING	EASTING
POB (111)	R 20+65.42	1186424.924	1407569.383
PC (343)	R 20+80.65	1186438.515	1407576.247
TANGENT DIRECTION:	26°47'49.80"		
TANGENT LENGTH:	15.226		
ELEMENT: CIRCULAR			
PC (343)	R 20+80.65	1186438.515	1407576.247
PI 0	R 21+23.19	1186476.488	1407595.426
CC (23)	R 21+63.55	1186506.140	1407442.356
PRC (26)	R 21+63.55	1186518.875	1407591.814
RADIUS:	150.000		
DELTA:	31°40'02.78"		
DEGREE OF CURVATURE(ARC):	38°11'49.87"		
LENGTH:	82.905		
TANGENT:	42.541		
CHORD:	81.854		
MIDDLE ORDINATE:	5.691		
EXTERNAL:	5.916		
TANGENT DIRECTION:	26°47'49.80"		
RADIAL DIRECTION:	116°47'49.80"		
CHORD DIRECTION:	10°57'48.41"		
RADIAL DIRECTION:	85°07'47.02"		
TANGENT DIRECTION:	355°07'47.02"		
ELEMENT: CIRCULAR			
PRC (26)	R 21+63.55	1186518.875	1407591.814
PI 0	R 22+04.80	1186559.978	1407588.312
CC (88)	R 22+45.82	1186557.080	1408040.189
PT (152)	R 22+45.82	1186601.032	1407592.341
RADIUS:	450.000		
DELTA:	10°28'31.13"		
DEGREE OF CURVATURE(ARC):	12°43'56.62"		
LENGTH:	82.273		
TANGENT:	41.251		
CHORD:	82.158		
MIDDLE ORDINATE:	1.879		
EXTERNAL:	1.887		
TANGENT DIRECTION:	355°07'47.02"		
RADIAL DIRECTION:	85°07'47.02"		
CHORD DIRECTION:	0°22'02.58"		
RADIAL DIRECTION:	9°36'18.15"		
TANGENT DIRECTION:	5°36'18.15"		
ELEMENT: LINEAR			
PT (152)	R 22+45.82	1186601.032	1407592.341
PC (141)	R 24+98.06	1186852.060	1407616.977
TANGENT DIRECTION:	5°36'18.15"		
TANGENT LENGTH:	252.234		
ELEMENT: CIRCULAR			
PC (141)	R 24+98.06	1186852.060	1407616.977
PI 0	R 26+72.12	1187025.290	1407633.977
CC (186)	R 28+33.49	1187172.656	1407541.344
PRC (345)	R 28+33.49	1187172.656	1407541.344
RADIUS:	509.000		
DELTA:	37°45'29.60"		
DEGREE OF CURVATURE(ARC):	11°15'23.54"		
LENGTH:	335.434		
TANGENT:	174.062		
CHORD:	329.397		
MIDDLE ORDINATE:	27.382		
EXTERNAL:	28.939		
TANGENT DIRECTION:	5°36'18.15"		
RADIAL DIRECTION:	95°36'18.15"		
CHORD DIRECTION:	346°43'33.35"		
RADIAL DIRECTION:	57°50'48.55"		
TANGENT DIRECTION:	327°50'48.55"		
ELEMENT: CIRCULAR			
PRC (345)	R 28+33.49	1187172.656	1407541.344
PI 0	R 29+18.38	1187244.521	1407496.170
CC (346)	R 29+87.98	1187252.484	1407668.338
PT (347)	R 29+87.98	1187320.249	1407534.518
RADIUS:	150.000		
DELTA:	59°00'38.17"		
DEGREE OF CURVATURE(ARC):	38°11'49.87"		
LENGTH:	154.489		
TANGENT:	84.884		
CHORD:	147.751		
MIDDLE ORDINATE:	19.453		
EXTERNAL:	19.453		
TANGENT DIRECTION:	327°50'48.55"		
RADIAL DIRECTION:	57°50'48.55"		
CHORD DIRECTION:	357°21'07.63"		
RADIAL DIRECTION:	116°51'26.71"		
TANGENT DIRECTION:	26°51'26.71"		
ELEMENT: LINEAR			
PT (347)	R 29+87.98	1187320.249	1407534.518
PC (183)	R 37+58.48	1188007.638	1407882.608
TANGENT DIRECTION:	26°51'26.71"		
TANGENT LENGTH:	770.499		

OLD RIVER STREET

ELEMENT: CIRCULAR	STATION	NORTHING	EASTING
PC (183)	R 37+58.48	1188007.638	1407882.608
PI 0	R 38+16.59	1188059.480	1407908.861
CC (184)	R 38+69.36	1187939.872	1408016.428
PRC (186)	R 38+69.36	1188080.106	1407963.188
RADIUS:	150.000		
DELTA:	42°21'11.22"		
DEGREE OF CURVATURE(ARC):	38°11'49.87"		
LENGTH:	110.880		
TANGENT:	58.111		
CHORD:	108.373		
MIDDLE ORDINATE:	10.129		
EXTERNAL:	10.863		
TANGENT DIRECTION:	26°51'26.71"		
RADIAL DIRECTION:	116°51'26.71"		
CHORD DIRECTION:	48°02'02.32"		
RADIAL DIRECTION:	159°12'37.93"		
TANGENT DIRECTION:	69°12'37.93"		
ELEMENT: CIRCULAR			
PRC (186)	R 38+69.36	1188080.106	1407963.188
PI 0	R 39+21.15	1188098.489	1408011.610
CC (192)	R 39+69.10	1188220.339	1407909.948
PT (193)	R 39+69.10	1188142.834	1408038.372
RADIUS:	150.000		
DELTA:	38°05'56.77"		
DEGREE OF CURVATURE(ARC):	38°11'49.87"		
LENGTH:	99.743		
TANGENT:	51.794		
CHORD:	97.916		
MIDDLE ORDINATE:	8.215		
EXTERNAL:	8.690		
TANGENT DIRECTION:	69°12'37.93"		
RADIAL DIRECTION:	159°12'37.93"		
CHORD DIRECTION:	50°09'39.55"		
RADIAL DIRECTION:	121°06'41.16"		
TANGENT DIRECTION:	31°06'41.16"		
ELEMENT: LINEAR			
PT (193)	R 39+69.10	1188142.834	1408038.372
POE (191)	R 40+23.16	1188189.114	1408066.303
TANGENT DIRECTION:	31°06'41.16"		
TANGENT LENGTH:	54.055		

DROP OFF LANE

ELEMENT: LINEAR	STATION	NORTHING	EASTING
POB (60)	D 1+00.00	1187793.772	1408182.263
POE (77)	D 4+00.24	1188061.741	1408317.687
TANGENT DIRECTION:	26°48'58.80"		
TANGENT LENGTH:	300.245		

ACCESS TO OLD RIVER ST

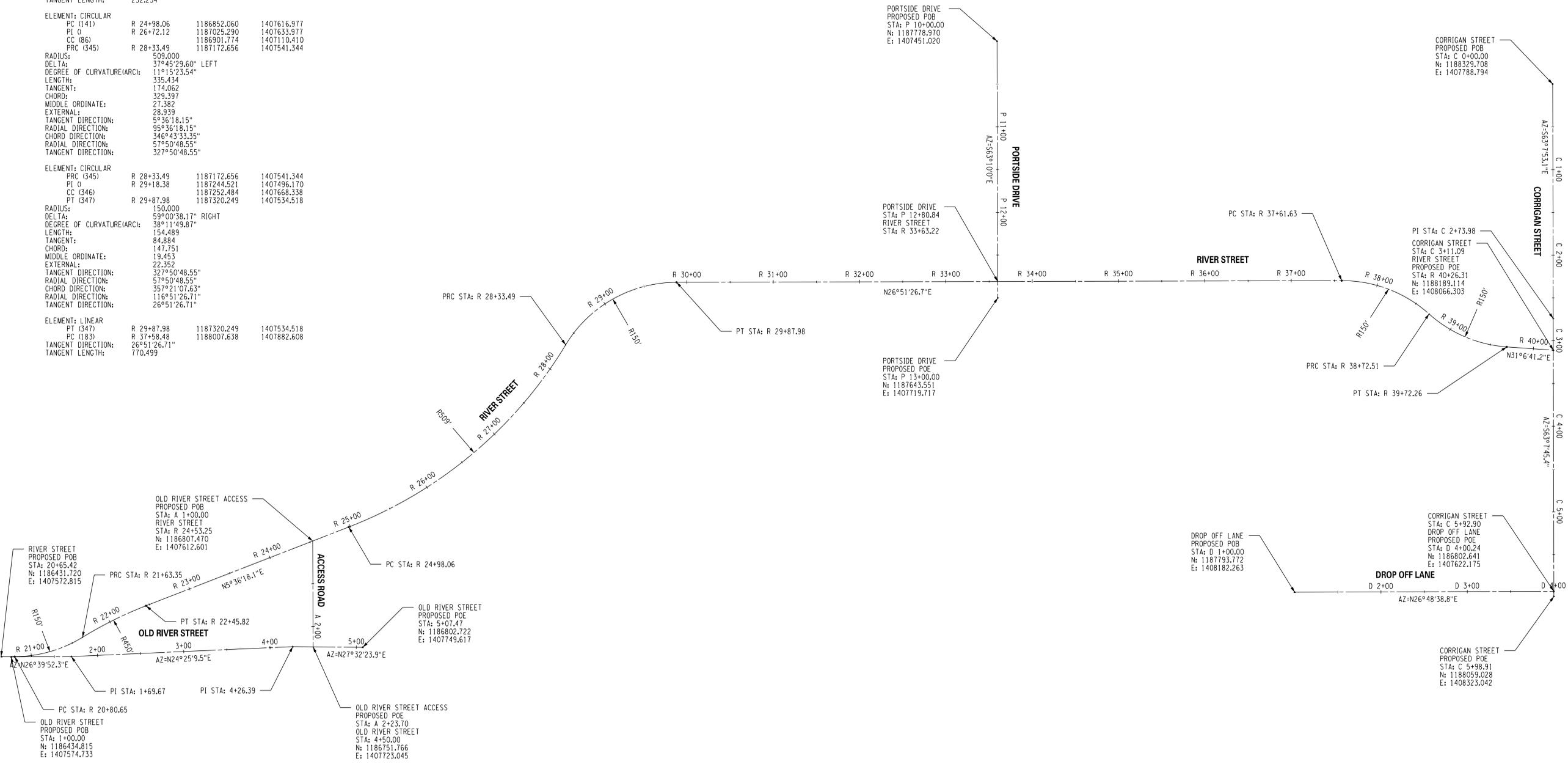
ELEMENT: LINEAR	STATION	NORTHING	EASTING
POB (259)	A1+00.00	1186807.470	1407612.601
POE (260)	A2+23.70	1186751.766	1407723.045
TANGENT DIRECTION:	116°45'53.08"		
TANGENT LENGTH:	123.697		

PORTSIDE DRIVE

ELEMENT: LINEAR	STATION	NORTHING	EASTING
POB (35)	P 10+00.00	1187778.970	1407452.020
POE (36)	P 13+00.00	1187643.551	1407719.717
TANGENT DIRECTION:	116°50'00.00"		
TANGENT LENGTH:	300.000		

CORRIGAN ST

ELEMENT: LINEAR	STATION	NORTHING	EASTING
POB (12)	C 0+00.00	1188329.708	1407788.794
POE (13)	C 2+73.98	1188205.890	1408033.195
TANGENT DIRECTION:	116°52'03.88"		
TANGENT LENGTH:	273.976		
ELEMENT: LINEAR			
PI (13)	C 2+73.98	1188205.890	1408033.195
POE (17)	C 5+98.91	1188059.028	1408323.042
TANGENT DIRECTION:	116°52'14.59"		
TANGENT LENGTH:	324.930		



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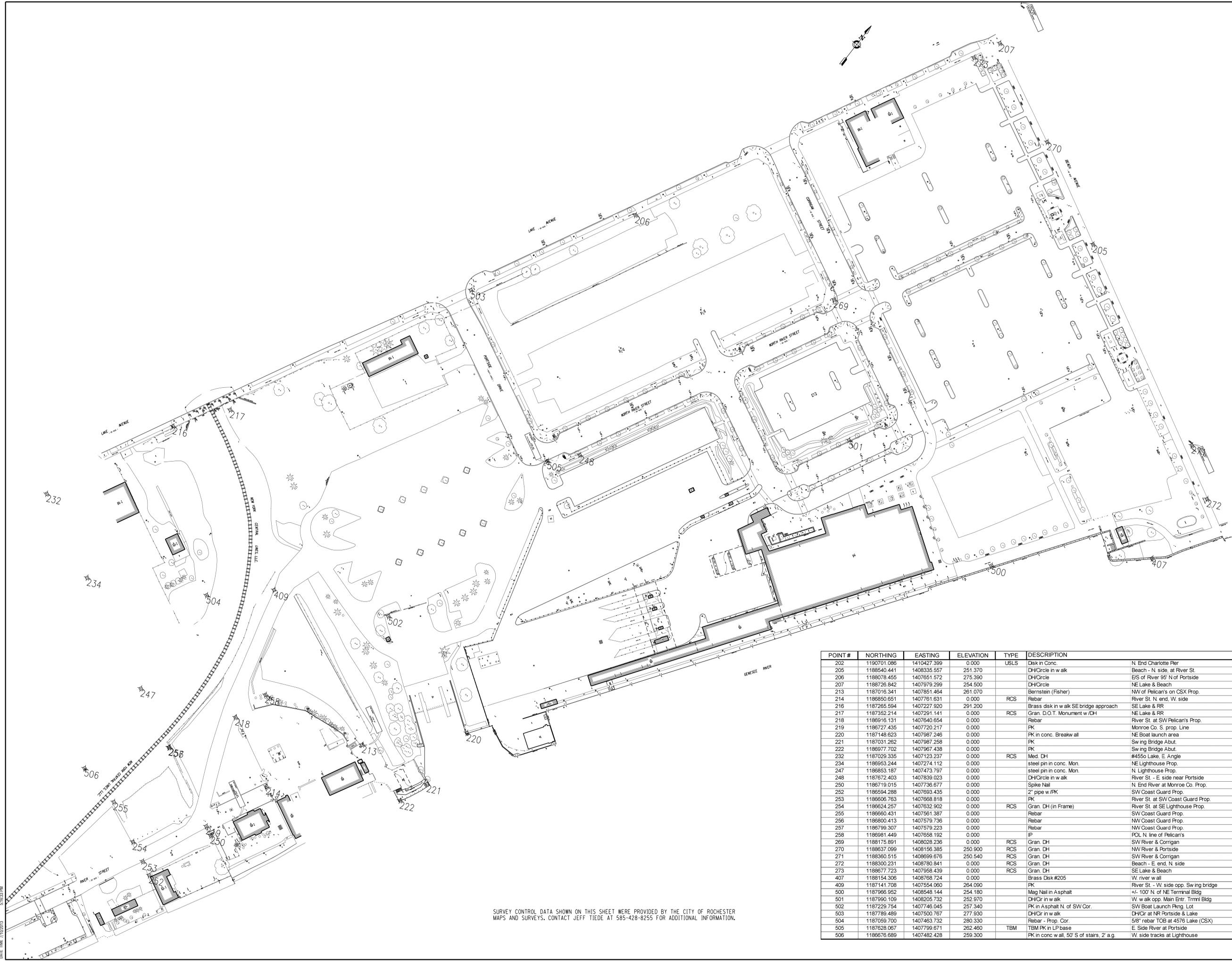
ISSUED FOR
BID

DRAWING TITLE
**ALIGNMENT
DATA**

DATE:	JULY 22, 2013
SCALE:	1" = 50'
DESIGNED BY:	CAE
DRAWN BY:	CON
REVIEWED BY:	WDO
PROJECT NUMBER:	210660
DRAWING NUMBER:	

G5.01

PROJECT: 13-0000 - Port Marina Drawings/Temporary/Construction/Phase 05.01 - Alignment Data.dwg
 MODEL: G5.01
 DATE: 07/22/13
 PLOTTER: HP DesignJet 2450



POINT #	NORTHING	EASTING	ELEVATION	TYPE	DESCRIPTION
202	1190701.086	1410427.399	0.000	USLS	Disk in Conc.
205	1188540.441	1408335.557	251.370		DH/Circle in w alk
206	1188078.455	1407651.572	275.390		Circle
207	1188726.842	1407979.299	254.500		DH/Circle
213	1187016.341	1407851.464	261.070		Bernstein (Fisher)
214	1188590.651	1407761.631	0.000	RCS	Rebar
216	1187285.594	1407227.920	291.200		Brass disk in w alk SE bridge approach
217	1187352.214	1407291.141	0.000	RCS	Gran. D.O.T. Monument w/DH
218	1188916.131	1407640.654	0.000		Rebar
219	1186727.435	1407720.217	0.000	PK	River St. at SW Pelican's Prop.
220	1187148.623	1407987.246	0.000	PK in conc.	Breakw all
221	1187031.262	1407987.258	0.000	PK	Monroe Co. S. prop. Line
222	1186977.702	1407967.438	0.000	PK	NE Boat launch area
232	1187029.335	1407123.237	0.000	RCS	Swing Bridge Abut.
234	1186953.244	1407274.112	0.000		Med. DH
247	1186853.187	1407473.797	0.000		steel pin in conc. Mon.
248	1187672.403	1407839.023	0.000		steel pin in conc. Mon.
250	1186719.015	1407736.677	0.000		DH/Circle in w alk
252	1186594.288	1407693.435	0.000		Spike Nail
253	1186606.763	1407668.818	0.000		2" pipe w/PK
254	1186624.257	1407632.902	0.000	RCS	PK in conc. Breakw all
255	1186660.431	1407561.387	0.000		Swing Bridge Abut.
256	1186800.413	1407579.736	0.000		Rebar
257	1186799.307	1407579.223	0.000		Rebar
258	1186981.449	1407658.182	0.000	IP	SW Coast Guard Prop.
269	1188175.891	1408028.236	0.000	RCS	River St. at SE Lighthouse Prop.
270	1188637.099	1408156.395	250.900	RCS	Gran. DH
271	1188360.515	1408699.676	250.540	RCS	Gran. DH
272	1188300.231	1408780.841	0.000	RCS	Gran. DH
273	1188677.723	1407958.439	0.000	RCS	Gran. DH
407	1188154.306	1408768.724	0.000		SE Lake & Beach
409	1187141.708	1407554.060	264.090	PK	Brass Disk #205
500	1187966.562	1408548.144	254.180		River w/er w alk
501	1187990.109	1408205.732	252.970		River St. - W side opp. Swing bridge
502	1187229.754	1407746.045	257.340		Mag Nail in Asphalt
503	1187789.489	1407500.767	277.930		DH/Cir in w alk
504	1187059.700	1407463.732	280.330		W. w alk opp. Main Entr. Trmnl Bldg
505	1187628.067	1407799.671	262.460	TBM	PK in Asphalt N of SW Cor.
506	1186676.689	1407482.428	259.300		DH/Cir in w alk

SURVEY CONTROL DATA SHOWN ON THIS SHEET WERE PROVIDED BY THE CITY OF ROCHESTER MAPS AND SURVEYS. CONTACT JEFF TIEDE AT 585-428-8255 FOR ADDITIONAL INFORMATION.

NO.	DATE	REVISION
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ISSUED FOR
BID

DRAWING TITLE
SURVEY CONTROL

DATE: JULY 22, 2013
SCALE: 1" = 60'
DESIGNED BY:
DRAWN BY: HS
REVIEWED BY: WDO
PROJECT NUMBER: 210660
DRAWING NUMBER

G5.02

PLOT DATE: 07/22/13
 MODEL: G5.02
 FILE: P:\Projects\2013\Port Marina\Drawings\Temporary\Drawings\G5.02_Survey Control.dwg
 DATE TIME: 7/22/13 11:00:00 AM

GENERAL NOTES:

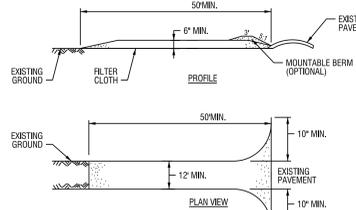
- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION. FOR DESCRIPTIVE AND SURVEY DATA ON CONTROL MONUMENTS, CALL THE MONROE COUNTY GEOLOGIC SURVEY OFFICE.
- EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR COMMENCING EARTHWORK. MAINTAIN EROSION CONTROL DEVICES UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED IN WRITING BY THE CITY OF ROCHESTER OR THE ENVIRONMENTAL MONITOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY STRAW BALES THAT BECOME CLOGGED, IMPERFORABLE, OR DAMAGED. STRAW BALES SHALL BE INSPECTED FOR REPLACEMENT AT MAXIMUM INTERVALS OF ONE MONTH. REPLACEMENT WILL BE AS DIRECTED BY THE CITY OF ROCHESTER AND/OR THE ENVIRONMENTAL MONITOR.
- DRAINAGE ALONG EXISTING STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE CARE TO NOT ALLOW SILT RUNOFF INTO THE ADJOINING PROPERTIES. EFFORTS MAY INCLUDE THE USE OF INTERCEPTOR SWALES, STRAW BALES AND CRUSHED STONE FILTERS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF THE ADJACENT STREETS (I.E. STREET CREEPKINGS) AND DOWNSTREAM AREAS AND FOR KEEPING DESILTATION BASINS CLEAN OF SILT.
- DISTURBED SLOPES GREATER THAN 3:1 SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
- CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH RECOMMENDATIONS CONTAINED IN THE NYSDEC PUBLICATION "REDUCING THE IMPACTS OF STORM WATER RUNOFF FROM NEW DEVELOPMENT" AND PER CLAUSE(S) CONTAINED IN THE NYSDEC GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES. FINAL DESIGN OF EACH SECTION SHALL BE COMPLETED PER THESE GUIDELINES AND RECOMMENDATIONS, INCLUDING PROVIDING NECESSARY CONSTRUCTION DETAILS AND NOTES, AND A COMPLETE MAINTENANCE SCHEDULE OF EROSION CONTROL FEATURES.
- THE CONTRACTOR SHALL PROVIDE THE FOLLOWING EROSION CONTROL MEASURES IN THE ORDER SHOWN:
 - STABILIZE CONSTRUCTION ENTRANCE
 - PROVIDE SILT FENCE ALONG PERIMETER AREAS & SWALES
 - PROVIDE SILT FENCE AROUND TOPSOIL STOCKPILE AREAS
 - PROVIDE STRAW BALES OR APPROVED ALTERNATE AROUND EXISTING STORM INLETS THAT MAY BE AFFECTED BY CONSTRUCTION.
- DISTURBED VEGETATED AREAS WHERE CONSTRUCTION ACTIVITIES CEASE FOR 21 DAYS SHALL BE TEMPORARILY SEEDED WITH AN ANNUAL RYE GRASS AND MULCHED IF NECESSARY NOT LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.
- ALL EXISTING MONITORING WELLS ARE TO BE PROTECTED WITH PLACEMENT OF ONE OR MORE JERSEY BARRIERS TO WELL AND BETWEEN WORK AREA AND THE WELL. JERSEY BARRIERS SHALL EXTEND AT LEAST 3 FT BEYOND WELL ON EACH SIDE. NOTE: 3-4 ADDITIONAL WELLS, NOT SHOWN, MAY ALSO BE PRESENT AT THE TIME OF WORK AND WILL REQUIRE SAME PROTECTION AS PART OF CONTRACT (BASE BID). IN THE EVENT A WELL IS DAMAGED, CONTRACTOR SHALL REPLACE WELL AT ITS OWN COST.
- PROPOSED MONITORING WELL SITES ARE APPROXIMATE. EXCLUSION BOUNDARY MAY NEED TO BE ADJUSTED ACCORDINGLY TO ENCOMPASS WELL LOCATIONS.
 - STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR ORIENTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- CONTRACTOR SHALL PROVIDE ALL SNOW REMOVAL NECESSARY TO MAINTAIN 1655 LEXINGTON AVENUE PARCEL THROUGHOUT DURATION OF PROJECT.
- CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, AND LABOR TO CONTROL DUST AS REQUIRED IN THE ENVIRONMENTAL MANAGEMENT PLAN AND AS DIRECTED BY CITY OF ROCHESTER OR THE ENVIRONMENTAL MONITOR. CONTRACTOR SHOULD NOTE THAT ENVIRONMENTAL MONITOR WILL MONITOR DUST, AND ACTION LEVELS IN EMP WILL DICTATE DUST CONTROL.
- CONTRACTOR SHALL RESTORE ALL VEGETATED AREAS DISTURBED DURING PROJECT AND NOT COVERED BY SLAG MATERIAL. VEGETATION AND LANDFILL COVER REQUIRES A MINIMUM 2 FT OF SOIL AND HYDROSEED AREA. CONTRACTOR RESPONSIBLE TO MAINTAIN RESTORED AREAS UNTIL 80% VEGETATIVE COVER ESTABLISHED.
- HAUL ROAD TO BE BUILT AS SHOWN AND MAINTAINED THROUGHOUT PROJECT DURATION BY CONTRACTOR. ADDITIONAL HAUL ROADS TO BE BUILT AS NEEDED TO SUPPORT PROJECT. HAUL ROADS REQUIRED WHERE ANY RUTTING INTO THE LANDFILL COVER IS OBSERVED. CONTRACTOR SHALL RESTORE ANY DISTURBANCE TO THE LANDFILL COVER IMMEDIATELY AND AS REQUIRED BY NYSDEC, CITY OF ROCHESTER OR THE ENVIRONMENTAL MONITOR.
- SOUTHERN LIMIT OF SLAG PILE TO BE BASED ON ACTUAL VOLUME OF MATERIAL PLACED.

CONSTRUCTION ENTRANCE NOTES:

- MODIFICATIONS MAY BE REQUIRED TO MATCH FIELD CONDITIONS.
- A 30' WASH AREA SHALL BE PROVIDED. ADDITIONAL GRADING MAY BE REQUIRED TO PROVIDE WASHING AREAS.
- THE CONTRACTOR SHALL GRADE TO PREPARE AND SMOOTH ORIGINAL GROUND FOR PLACEMENT OF 6" OF #3 CRUSHED STONE OR GRAVEL ENTRANCE MATERIAL UP TO THE EDGE OF PAVEMENT.
- PERIODIC MAINTENANCE WILL BE REQUIRED AND COST OF THIS MAINTENANCE WILL BE INCLUDED IN PRICE BILL.

MONITORING WELL SYMBOL LEGEND

- EXISTING MONITORING WELL
- MONITORING WELL TO BE INSTALLED PRIOR TO CONSTRUCTION (LOCATION MAY VARY)

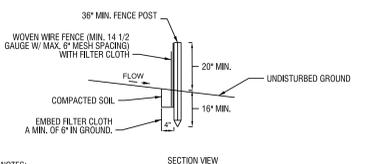
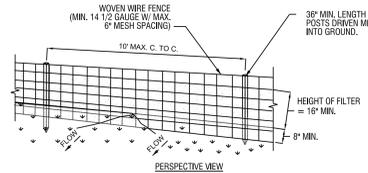


NOTES:

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
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- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

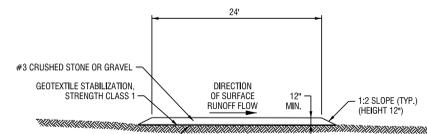


NOTES:

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

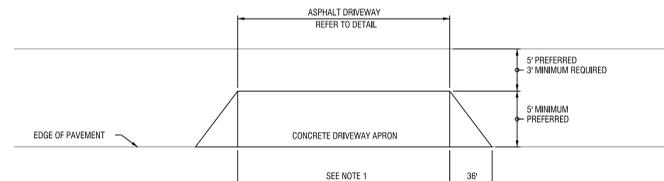
SILT FENCE

NOT TO SCALE



CONSTRUCTION ROAD SECTION

NOT TO SCALE

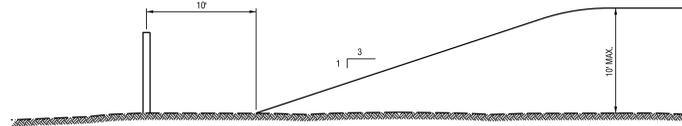


NOTES:

- DRIVEWAY WIDTH SHALL BE EQUAL TO THE EXISTING DRIVEWAY WIDTH AT THE R.O.W. LINE. MINIMUM DRIVEWAY WIDTH FOR ALL DRIVEWAYS SHALL BE 10'-0". MAXIMUM WIDTH SHALL NOT EXCEED 18'-0" FOR RESIDENTIAL DRIVEWAYS OR 30'-0" FOR COMMERCIAL DRIVEWAYS.
- SEE HEAVY DUTY ASPHALT DRIVEWAY SECTION.

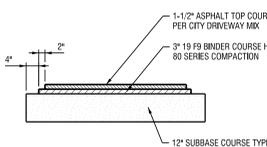
CURB CUT DETAIL

NOT TO SCALE



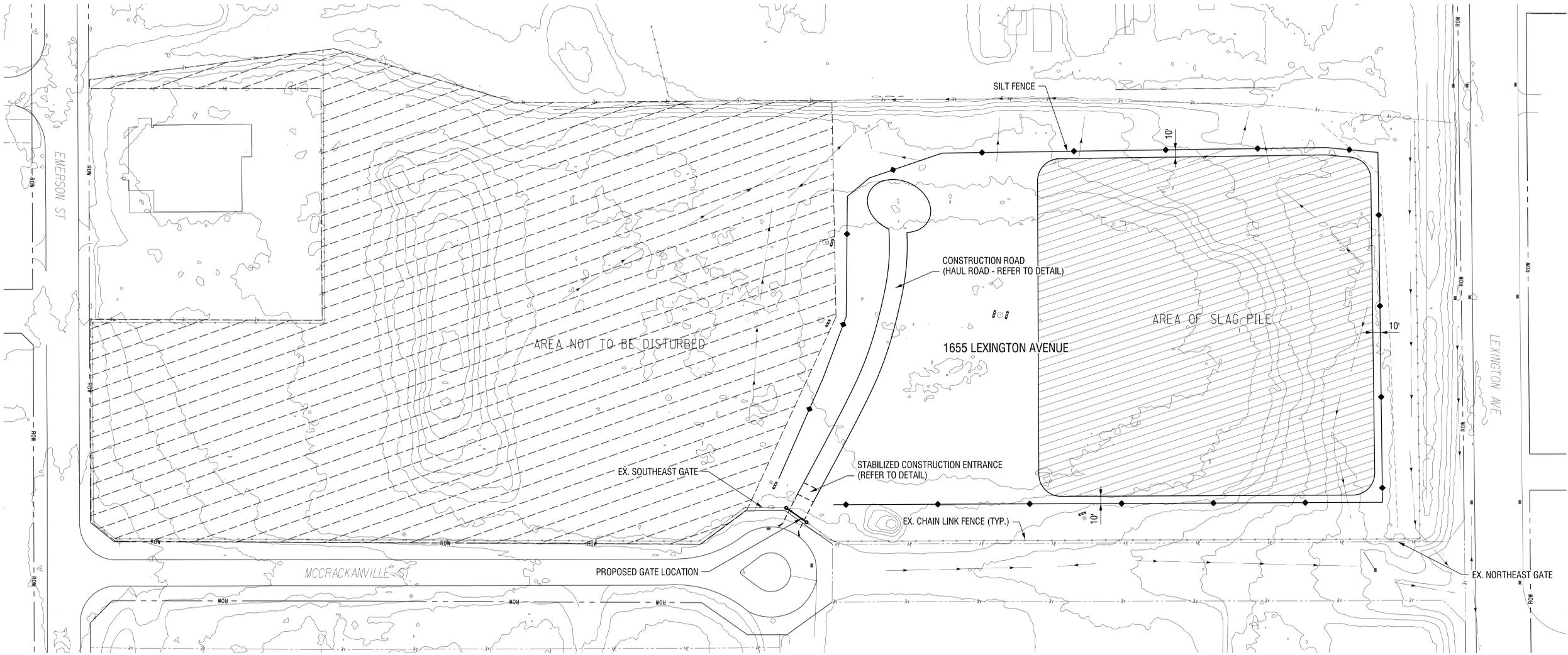
SLAG PILE SECTION

NOT TO SCALE



HEAVY DUTY ASPHALT DRIVEWAY SECTION

NOT TO SCALE



NO.	DATE	REVISION

ISSUED FOR

BID

DRAWING TITLE
CITY STORAGE SITE
1655 LEXINGTON AVE.

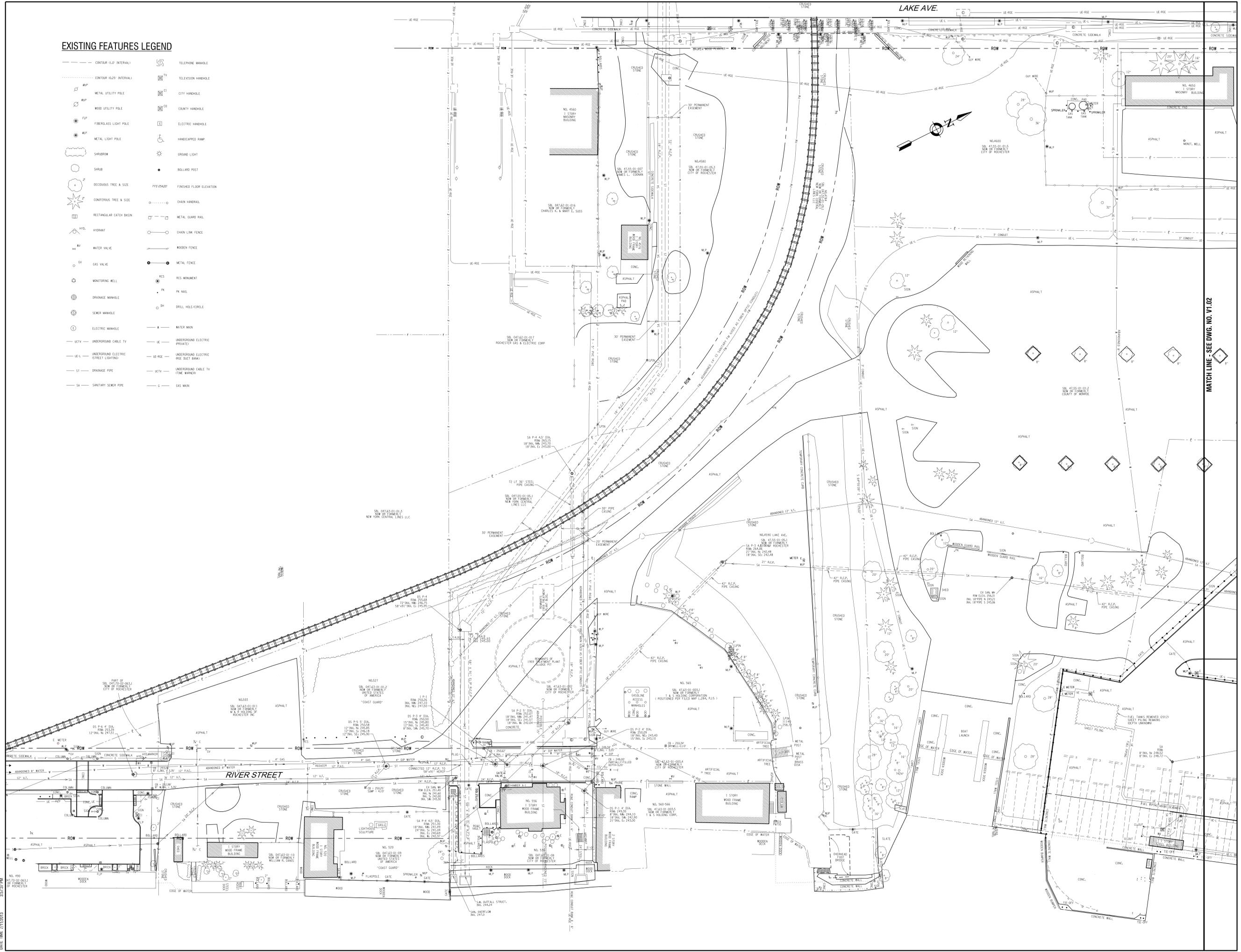
DATE:	JULY 22, 2013
SCALE:	1" = 60'
DESIGNED BY:	HMS
DRAWN BY:	HMS
REVIEWED BY:	SM
PROJECT NUMBER:	210660

DRAWING NUMBER

G6.01

EXISTING FEATURES LEGEND

- CONTOUR (1.0' INTERVAL)
- CONTOUR (0.25' INTERVAL)
- METAL UTILITY POLE
- WOOD UTILITY POLE
- FIBERGLASS LIGHT POLE
- METAL LIGHT POLE
- SHRUBB
- SHRUB
- DECIDUOUS TREE & SIZE
- CONIFEROUS TREE & SIZE
- RECTANGULAR CATCH BASIN
- HYDRANT
- WATER VALVE
- GAS VALVE
- MONITORING WELL
- DRAINAGE MANHOLE
- SEWER MANHOLE
- ELECTRIC MANHOLE
- UCTV
- UCTV
- UCTV
- UCTV
- SA
- TELEPHONE MANHOLE
- TELEVISION MANHOLE
- CITY HANDHOLE
- COUNTY HANDHOLE
- ELECTRIC HANDHOLE
- HANDICAPPED RAMP
- GROUND LIGHT
- BOLLARD POST
- FINISHED FLOOR ELEVATION
- CHAIN HANDRAIL
- METAL GUARD RAIL
- CHAIN LINK FENCE
- WOODEN FENCE
- METAL FENCE
- R/S
- P/N
- D/H
- WATER MAIN
- UNDERGROUND ELECTRIC
- UNDERGROUND ELECTRIC (RGE DUCT BANK)
- UCTV (T.M. WARNER)
- GAS MAIN



PROJECT/CLIENT
PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
ROCHESTER, NY



NO.	DATE	REVISION

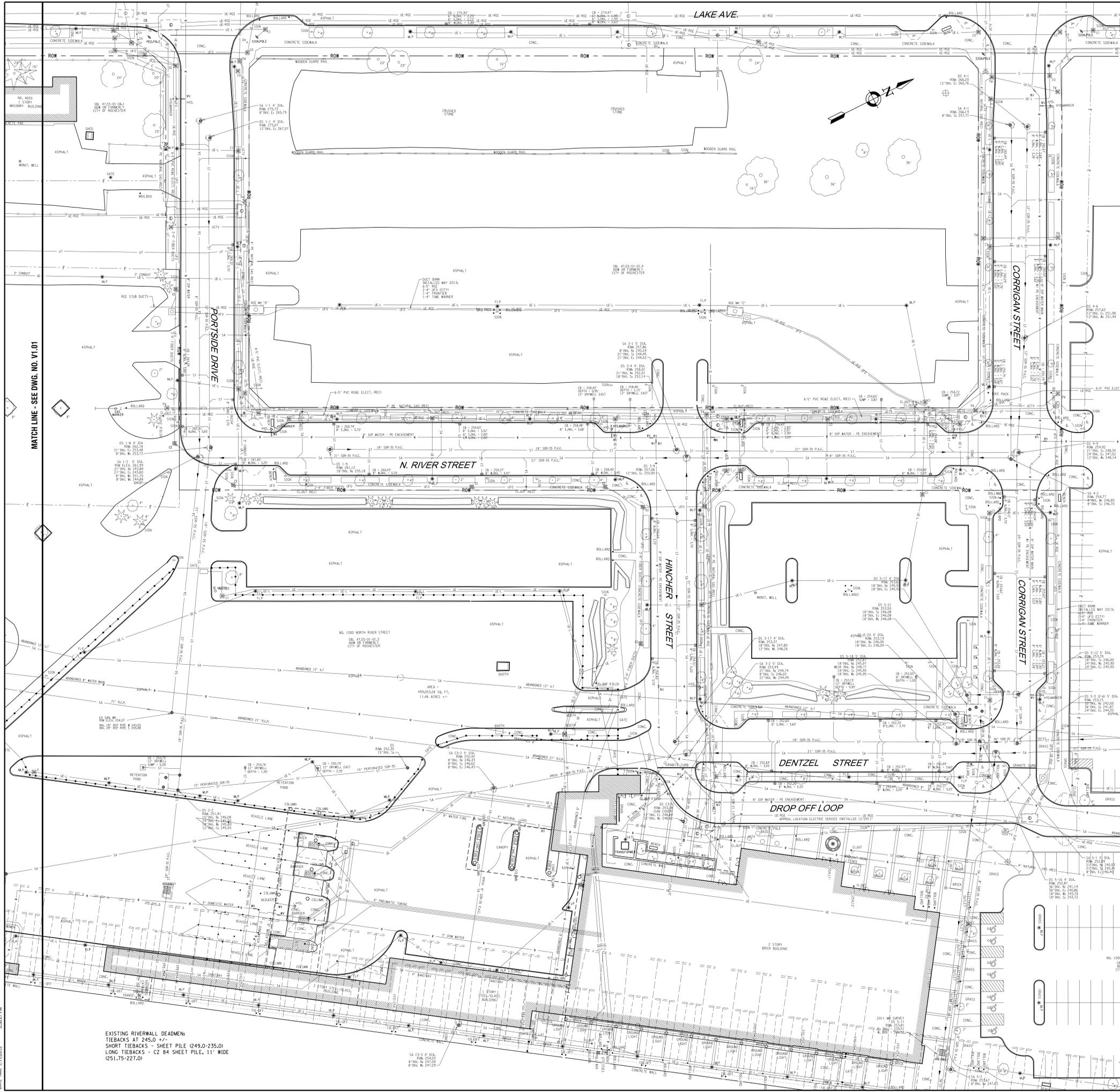
ISSUED FOR
BID

DRAWING TITLE
EXISTING CONDITIONS PLAN

DATE: JULY 22, 2013
SCALE: 1" = 30'
DESIGNED BY: ---
DRAWN BY: MHB
REVIEWED BY: JWM
PROJECT NUMBER: 210660

DRAWING NUMBER
V1.01

PROJECTOR: RAY, E.L. (2013)
 MODEL: RAY, E.L. (2013)
 DATE: 07/22/2013
 P:\Main\Drawings\CD\Substation\Contract\01\01_V1.01_Existing Conditions - 2013.dwg



EXISTING FEATURES LEGEND

- CONTOUR (1.0' INTERVAL)
- CONTOUR (0.25' INTERVAL)
- MUP METAL UTILITY POLE
- WUP WOOD UTILITY POLE
- FLP FIBERGLASS LIGHT POLE
- MLP METAL LIGHT POLE
- SHURBROW SHRUBROW
- SHURB SHRUB
- DECIDUOUS TREE & SIZE
- CONIFEROUS TREE & SIZE
- HYDRANT
- WV WATER VALVE
- GV GAS VALVE
- MONITORING WELL
- DRAINAGE MANHOLE
- SEWER MANHOLE
- ELECTRIC MANHOLE
- UCTV UNDERGROUND CABLE TV
- UE-L UNDERGROUND ELECTRIC (STREET LIGHTING)
- ST DRAINAGE PIPE
- SA SANITARY SEWER PIPE
- TELEPHONE MANHOLE
- TELEVISION HANDLE
- CI CITY HANDLE
- CO COUNTY HANDLE
- EH ELECTRIC HANDLE
- HR HANDICAPPED RAMP
- GL GROUND LIGHT
- BP BOLLARD POST
- FFS/ESDP FINISHED FLOOR ELEVATION
- CHM CHAIN MANHOLE
- MGR METAL GUARD RAIL
- CLM CHAIN LINK FENCE
- RF RODDEN FENCE
- MF METAL FENCE
- RCS RCS MONUMENT
- PN PN NAIL
- DM DRILL HOLE/CIRCLE
- WM WATER MAIN
- UE-PR UNDERGROUND ELECTRIC (PRIVATE)
- UE-RD UNDERGROUND ELECTRIC (RICE DUCT BANK)
- UCTV UNDERGROUND CABLE TV (TIME WARNER)
- GM GAS MAIN

MATCH LINE - SEE DWG. NO. V1.01

EXISTING RIVERWALL DEADEND TIEBACKS AT 245.0 ± ± ± SHORT TIEBACKS - SHEET PILE (249.0-235.0) LONG TIEBACKS - CZ B4 SHEET PILE, 11' WIDE (251.75-227.0)



PROJECT/CLIENT
PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
ROCHESTER, NY



NO.	DATE	REVISION

ISSUED FOR
BID

DRAWING TITLE
EXISTING CONDITIONS PLAN

DATE: JULY 22, 2013
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY: MHB
REVIEWED BY: JWM
PROJECT NUMBER: 210660

DRAWING NUMBER
V1.02

PLOTTER: PLOT_1.dwg
 MODEL: V1.02
 DATE: 7/22/13
 PROJECT: Edgewater Resources LLP 210660 - Port Marina Development/Contracting/UT-V1.02 Existing Conditions - 20x42.dwg