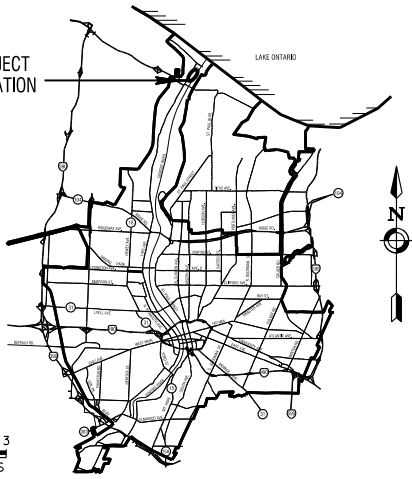
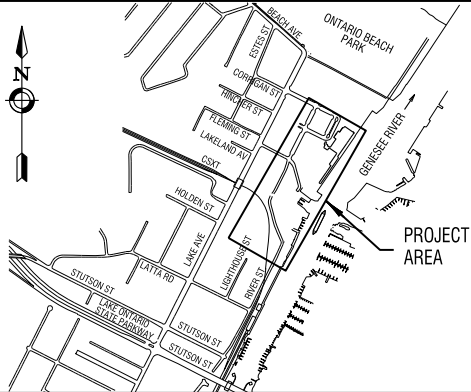


PROJECT
LOCATION



GENERAL LOCATION MAP



ENLARGED VIEW



www.edgewaterresources.com
406 STATE STREET
SAINT JOSEPH, MN 56005
P: (763) 932-2692
F: (763) 932-2642



www.labelia.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066

Engineering
Architecture
Environmental
Planning

Blank boxes for project details.

PREPARED BY

CITY OF ROCHESTER, NEW YORK

DEPARTMENT OF ENVIRONMENTAL SERVICES



50% PROGRESS PLANS

PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT

COMMISSIONER - D.E.S.

DATE

MONROE COUNTY DIRECTOR OF TRANSPORTATION DATE

DIRECTOR, WATER & LIGHTING BUREAU DATE

DATE

CITY ENGINEER

DATE

PROJECT: PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
DRAWING: 50% PROGRESS PLANS
DATE: 03/18/11

GENERAL NOTES

1. THE CONTRACTOR IS TO FOLLOW THE PROVISIONS OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, EXCEPT FOR THOSE AS REVISIONS IN THE SPECIFICATION SECTION OF THE CONTRACT DOCUMENTS. THE REVISED SPECIFICATION SUPERSEDES THE STANDARD SPECIFICATION.
2. THE CONTRACTOR IS TO USE THE CITY OF ROCHESTER STANDARD DETAILS, EXCEPT FOR THOSE DELINEATED WITHIN THE CONTRACT PLANS. THE DETAILS DELINEATED WITHIN THE CONTRACT PLANS SUPERSEDES THE STANDARD DETAIL.
3. THE CONTRACTOR IS TO OBTAIN WORK RELEASES FROM THE RESPECTIVE PROPERTY OWNER WHERE WORK IS TO BE PERFORMED OUTSIDE OF THE PUBLIC RIGHT-OF-WAY. ON PRIVATELY OWNED PROPERTY, A COPY OF THE WORK RELEASE IS TO BE FILED WITH THE PROJECT MANAGER.
4. THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY, UNLESS THEY ARE GUARANTEED TO BE ACCURATE OR COMPLETE. ALL UTILITIES WERE PLOTTED FROM FIELD SURFACE SURVEY DATA AND IN CONJUNCTION WITH RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES LOCATED WITHIN THE WORK AREA, TO THE CONTRACTOR'S SATISFACTION. THE CONTRACTOR IS TO REQUEST A UTILITY STAKE OUT A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF COMMENCING ANY WORK, BY CALLING THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION (UFPO) AT 1-800-982-7392.
5. ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS ARE TO BE SAFEGUARDED AND PRESERVED. ALL RIGHT-OF-WAY MONUMENTS OR PROPERTY CORNERS THAT ARE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION ARE TO BE REPLACED BY A VLS LICENSED SURVEYOR. AT THE CONTRACTOR'S EXPENSE.
6. SAW CUTS MADE IN THE ROADWAY ARE TO BE FULL DEPTH, WITH ALL OTHER SAW CUTS BEING A MINIMUM OF 3 INCHES IN DEPTH. FULL DEPTH PREVENT SAW CUTS WILL BE PAID FOR IN THE RESPECTIVE WORK RELATED ITEM. ALL SAW CUTS ARE TO BE SEALED WITH AN ASPHALT FILLER FOR MOTOR VEHICLE PROTECTION. FOR SECTION 700.000 OR 700.040, THE COST OF WHICH IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE WORK RELATED ITEM.
7. THE CONTRACTOR IS TO PROVIDE PROTECTION FOR ALL OF THE EXISTING TREES WITHIN THE PROJECT LIMITS THROUGHOUT THE COURSE OF THE PROJECT, TO MINIMIZE AS MUCH AS POSSIBLE ANY DAMAGE OCCURRING TO THE TREES AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION ACTIVITIES. THE PROTECTION IS TO BE IN PLACE BEFORE ANY WORK IS STARTED, AND IS TO BE IN THE FORM OF ORANGE CONSTRUCTION SAFETY FENCING OR WOOD RAILS PLACED AROUND EACH TREE PER SECTION 601.01 AND THE DETAIL DRAWINGS.
8. ALL SIDEWALK RAMPS ARE TO BE OF THE TYPE AS NOTED, AND LOCATED AS SHOWN IN THE PLANS. HEADER CURBS FOR THE SIDEWALK RAMPS IS TO BE FEET LONG, WITH THE TRANSITION CURBS BEING FROM 3 TO 7 FEET IN LENGTH.
9. WHERE NEW SIDEWALK IS TO BE CONSTRUCTED ADJACENT TO OTHER PAVED AREAS, A MINIMUM OF 2 FEET OF THE ADJACENT PAVED AREA IS TO BE REPLACED IN KIND.
10. BETWEEN THE CURB AND SIDEWALK, REMOVE ALL EXISTING ASPHALT, BLOCK, CONCRETE, AND SLATE MATERIALS IN LOCATIONS AS DESIGNATED ON THE DRAWINGS. EXCAVATE TO A DEPTH THAT IS SUFFICIENT TO REMOVE THE EXISTING MATERIAL BACKFILL. THE EXCAVATED AREA WITH SELECT BACKFILL MATERIAL, EXCAVATED FROM THE SITE, LAYERS OF TOPSOIL, AND HYDROSEED, PER SECTION 601.01 AND THE DETAIL SECTIONS 201 AND 613.
11. THE CONTRACTOR IS TO TAKE APPROPRIATE MEASURES TO PREVENT DIRT, DEBRIS, AND CONSTRUCTION MATERIALS FROM ENTERING THE SEWERS, LATERALS, CATCH BASINS, MANHOLES, AND OTHER APPURTENANCES DURING CONSTRUCTION.
12. REPLACEMENT FRAMES AND COVERS FOR SEWER MANHOLES WILL BE FURNISHED BY MONROE COUNTY PURE WATERS. THE CONTRACTOR IS TO MAKE ARRANGEMENTS TO OBTAIN THE REPLACEMENT FRAMES AND COVERS FROM MONROE COUNTY PURE WATERS. STOCKROOM BY CALLING 1-716-766-7610. EXTENSION 2061. THE STOCKROOM REQUIRES A MINIMUM OF 2 WORKING DAYS ADVANCE NOTICE TO MAKE ARRANGEMENTS TO OBTAIN THE REPLACEMENT FRAMES AND COVERS.
13. WHERE AN EXISTING CATCH BASIN IS TO BE REMOVED, ALL PORTIONS OF THE WALLS AND FOUNDATION ARE TO BE REMOVED, AND THE EXPOSED LATERAL AND UNDERDRAIN PIPES PLUGGED WITH CONCRETE. THE COST OF WHICH IS TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 1020.04. SEE DETAIL DRAWING FOR BACKFILL AND PAVEMENT RESTORATION REQUIREMENTS.
14. THE MINIMUM DISTANCE BETWEEN DISINFECTION/SAMPLING TAPS ON NEW WATER MAIN PIPE IS 1,000 FEET.
15. APPROPRIATE MEASURES ARE TO BE TAKEN TO PREVENT DIRT, DEBRIS, AND GROUND WATER FROM CONTAMINATING THE WATER MAIN. THE WATER LEVEL IS NEVER TO BE LESS THAN 12 INCHES BELOW THE PIPE INVERT, AND WHENEVER AN OPEN PIPE END IS UNATTENDED, IT IS TO BE COVERED IN A WATER TIGHT MANNER.
16. THE WATER MAIN IS TO BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS (DISINFECTION COST) (LATEST REVISION), FOLLOWING DISINFECTION, THE WATER MAIN IS TO BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVALENT IN THE SYSTEM. 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 REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A VLS LICENSED OR REGISTERED DESIGN PROFESSIONAL ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7209(1) OF THE SUDACIVIL LAW. CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS, THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL AND FREE CHLORINE AND 24 HOUR BACTERIAL PLATE COUNT. ALL WATER MAIN FITTINGS NOT REQUIRING 24 HOUR CHLORINE DISINFECTION CONTACT, THE MUST BE SHAB DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE WATER MAIN WILL NOT BE PLACED IN SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF HEALTH.
17. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE LINES IS TO BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYER OF WATER MAIN IS TO BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADDITIVE STRUCTURAL SUPPORT (CONCRETE) SELECT FULL IS TO BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLEMENT OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES INCLUDING MANHOLES AND VALVES IS TO BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VALVES.
18. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN 7 FEET OF THE FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) ARE TO BE PLUGGED.
19. THE WATER MAIN IS TO BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD 9000 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.
20. FOR ALL ABANDONED WATER MAIN PIPE AND HYDRANT BRANCHES, THE CONTRACTOR IS TO PLUG ALL CUT AND OPEN PIPE ENDS WITH 12 INCHES CONCRETE. THE COST OF WHICH IS TO BE INCLUDED IN THE UNIT PRICE BIDDING UNDER SECTION 601.01. FOR AN AND R/O/F, THE CONTRACTOR IS TO LEAVE ALL ABANDONED WATER VALVES AND CURB STOPS IN THE SHUT POSITION, INCLUDING WATER VALVES ON HYDRANT BRANCHES, AND REMOVE ALL ABANDONED VALVE BOXES.
21. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING WATER MAINS WHICH ARE TO REMAIN IN SERVICE. NO VIBRATORY EQUIPMENT IS TO BE USED WITHIN 5 FEET (HORIZONTAL) OF THE EXISTING WATER MAIN.
22. CONSTRUCT ALL SEWERS, LATERALS, CATCH BASINS, MANHOLES, AND ASSOCIATED APPURTENANCES IN CONFORMANCE WITH THE REQUIREMENTS OF THE ROCHESTER PURE WATERS DISTRICT.
23. ALL OLD REMOVED 12" X 12" CATCH BASIN GRATES ARE THE PROPERTY OF THE ROCHESTER PURE WATERS DISTRICT. RETURN GRATES TO MONROE COUNTY PURE WATERS ROCHESTER OPERATIONS CENTER, 444 EAST HENRIETTA ROAD, ROCHESTER, NEW YORK, MONDAY THROUGH FRIDAY BETWEEN 8:00 AM AND 3:00 PM AT NO COST TO THE OWNER.

EXISTING FEATURES LEGEND

- | | | | |
|--|-------------------------|--|--------------------------|
| | CONTOUR 10' INTERVAL | | TELEPHONE MANHOLE |
| | CONTOUR 10/25' INTERVAL | | TELEVISION MANHOLE |
| | METAL UTILITY POLE | | CITY MANHOLE |
| | WOOD UTILITY POLE | | COUNTY MANHOLE |
| | FIBERGLASS LIGHT POLE | | ELECTRIC MANHOLE |
| | METAL LIGHT POLE | | HANDICAPPED RAMP |
| | SHRUBDOM | | GROUND LIGHT |
| | SHRUB | | BOLLARD POST |
| | DECIDUOUS TREE & SIZE | | FINISHED FLOOR ELEVATION |
| | CONIFEROUS TREE & SIZE | | CHAIN HANDRAIL |
| | RECTANGULAR CATCH BASIN | | METAL GUARD RAIL |
| | HYDRANT | | CHAIN LINK FENCE |
| | WATER VALVE | | WOODEN FENCE |
| | GAS VALVE | | METAL FENCE |
| | MONITORING WELL | | RCS MONUMENT |
| | DRAINAGE MANHOLE | | PK NAIL |
| | SEWER MANHOLE | | DRILL HOLE/CIRCLE |
| | ELECTRIC MANHOLE | | |

LIST OF DRAWINGS

DRAWING NAME	DRAWING NO.
GENERAL PLANS	
GENERAL NOTES, LEGEND, AND DRAWING LIST	G1.01
INDEX PLAN	G2.01
STAGING AREA PLAN	G4.01
SURVEY / MAPPING PLANS	
EXISTING CONDITIONS PLAN	V1.01 - V1.07
CIVIL PLANS	
DEMOLITION PLAN	C1.01 - C1.05
UTILITY PLAN	C2.01 - C2.05
UTILITY PROFILES	C3.01 - C3.07
PILE PLAN - BOATER SERVICES BLDG	C4.01
PILE PLAN - BOAT LAUNCH	C5.01
GRADING PLAN	C6.01 - C6.05
HIGHWAY PLAN	C7.01 - C7.06
HIGHWAY PROFILES	C8.01 - C8.04
CONSTRUCTION DETAILS - SANITARY AND STORM	C10.01 - C10.03
CONSTRUCTION DETAILS - WATER MAIN	C11.01 - C11.03
TYPICAL SECTIONS - HIGHWAY	C12.01 - C12.03
CONSTRUCTION DETAILS - HIGHWAY	C12.04 - C12.10
CONSTRUCTION DETAILS - LIGHTING	C13.01 - C13.02
MARINE PLANS	
MARINA AND SLIP LAYOUT PLAN	ME1.01
MARINA ENTRANCE PLAN AND SECTION	ME1.02
RETIEMENT AND TIEBACK DETAILS	ME1.03
PHASE II MARINA AND SLIP LAYOUT PLAN	ME1.04
LANDSCAPE PLANS	
OVERALL LAYOUT / GRADING PLAN	LS1.00
LAYOUT / GRADING PLAN	LS1.01 - LS1.05
LAYOUT / GRADING ENLARGEMENTS	LS1.06 - LS1.08
LAYOUT PLAN SECTIONS	LS1.09 - LS1.10
HARDSCAPE DETAILS	LS1.11 - LS1.12
LANDSCAPE PLANTING PLANS	
OVERALL PLANTING / GRADING PLAN	LP2.00
PLANTING PLAN	LP3.01 - LP3.25
PLANTING DETAILS	LP3.26



www.edgewaterresources.com
405 STATE STREET
ST. JOSEPH, MI 49085
P: (269) 882-5502
F: (269) 882-2542



Relationships - Resources - Results
www.labela.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-8110
F: (585) 454-3088

Engineering
Architecture
Environmental
Planning

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is the policy of the City of Rochester to provide for the improvement of the waterfront area of the City of Rochester. The City of Rochester is committed to providing a waterfront area that is safe, secure, and attractive to the public. The City of Rochester is committed to providing a waterfront area that is safe, secure, and attractive to the public. The City of Rochester is committed to providing a waterfront area that is safe, secure, and attractive to the public.

ISSUED FOR

50% DESIGN

DRAWING TITLE

**GENERAL NOTES
AND LEGEND**

DATE: MARCH 18, 2011
SCALE:
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210660
DRAWING NUMBER:

G1.01

PROJECT: PORT OF ROCHESTER MARINA DEVELOPMENT
DRAWING: G1.01 - GENERAL NOTES AND LEGEND
DATE: 03/18/2011

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

This is a public drawing of the City of Rochester and is not to be used for any purpose other than that for which it was prepared. It is the property of the City of Rochester and is loaned to the recipient for their use only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the City of Rochester. The City of Rochester is not responsible for any errors or omissions in this drawing. The City of Rochester is not responsible for any damages, including consequential damages, arising from the use of this drawing. The City of Rochester is not responsible for any claims, including consequential claims, arising from the use of this drawing. The City of Rochester is not responsible for any claims, including consequential claims, arising from the use of this drawing.

ISSUED FOR

50% DESIGN

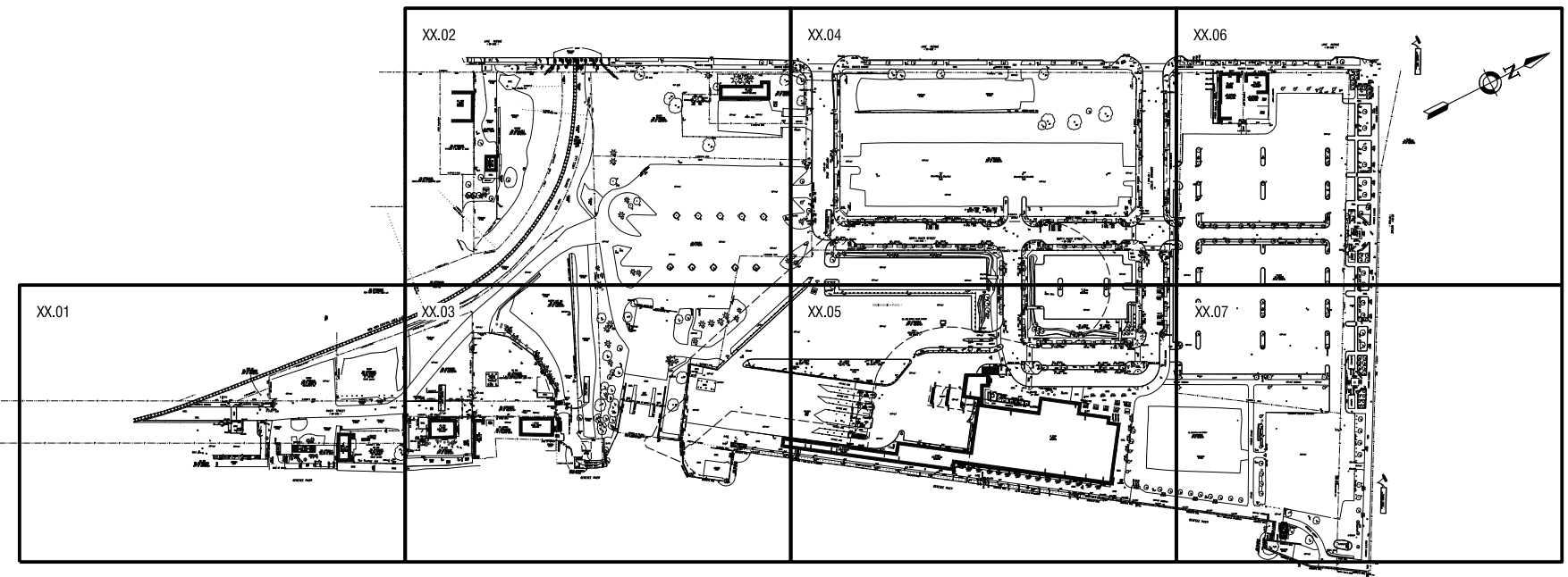
DRAWING TITLE

INDEX PLAN

DATE:	MARCH 18, 2011
SCALE:	NTS
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660

DRAWING NUMBER

G2.01



NOTE:
SEVERAL DRAWING SHEET TYPES IN THIS PLAN SET HAVE MULTIPLE SEQUENCE NUMBERS.
THIS INDEX PLAN DESIGNATES THE COMMON SEQUENCE NUMBERS USED AMONG THE
VARIOUS DRAWING SHEET TYPES.

THE HIGHWAY PLANS USE UNIQUE SEQUENCE NUMBERS WHICH FOLLOW THE ALIGNMENT
OF THE PROPOSED STREET NETWORK.

PROJECT CLIENT

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



City of Rochester

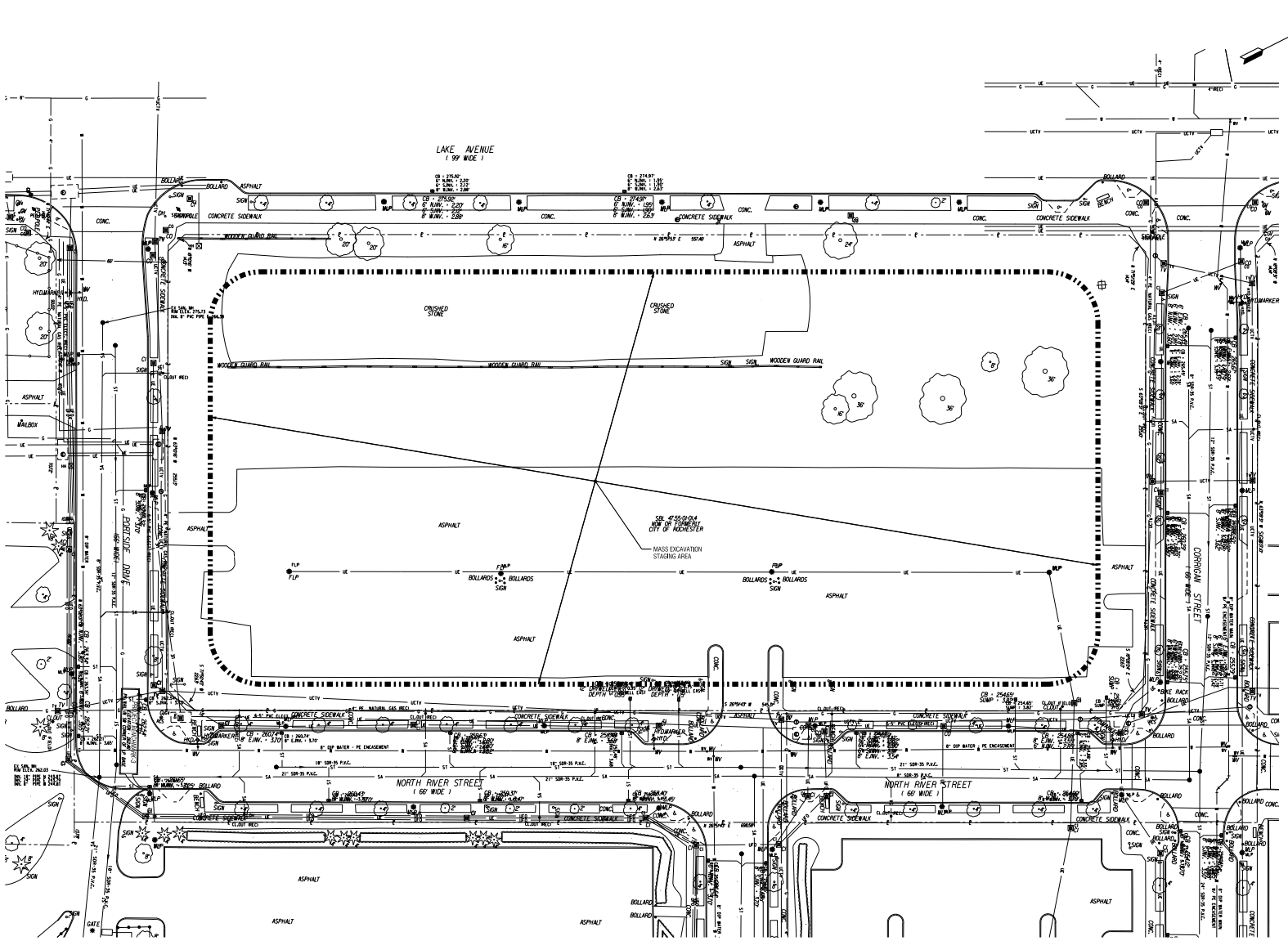
NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

ISSUED FOR
50% DESIGN

DRAWING TITLE
STAGING AREA PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669
DRAWING NUMBER:

G4.01



COMPILED BY: JLM/ABD
DATE: 03/18/11
DRAWN BY: JLM/ABD
DATE: 03/18/11
PROJECT: Port of Rochester Marina Development
DRAWING: G4.01 Staging Area Plan
SCALE: 1" = 30'

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a duty of the City Engineer to certify that the project, when completed, will conform to the applicable provisions of the local laws and ordinances of the City of Rochester, New York, and that the project will be in compliance with the applicable provisions of the local laws and ordinances of the State of New York, and that the project will be in compliance with the applicable provisions of the local laws and ordinances of the State of New York, and that the project will be in compliance with the applicable provisions of the local laws and ordinances of the State of New York.

ISSUED FOR

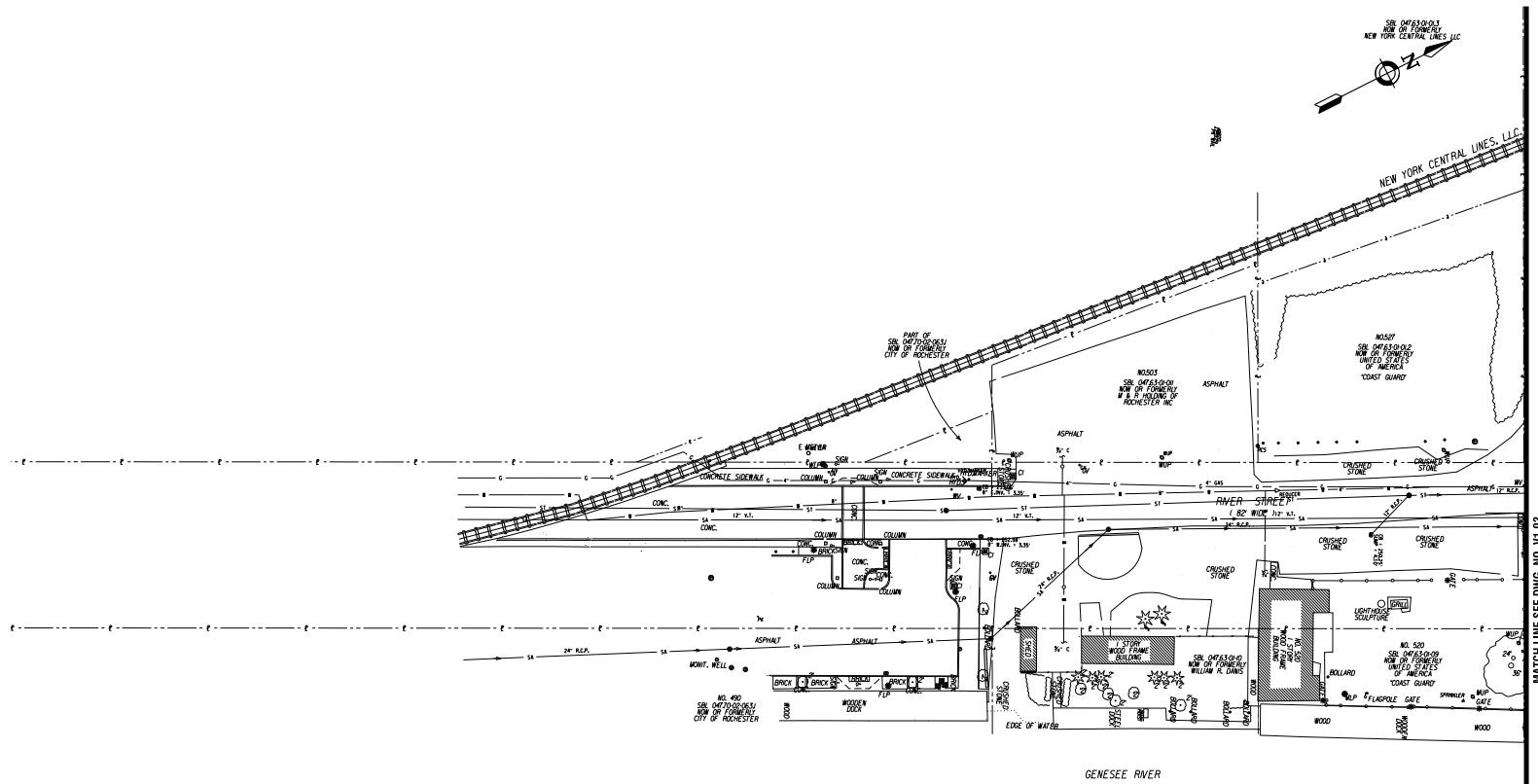
50% DESIGN

DRAWING TITLE

**EXISTING
CONDITIONS PLAN**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210669
DRAWING NUMBER:	

V1.01



MATCH LINE SEE DWG. NO. V1.03

Prepared by: J. M. K. B. R. S.
 Drawn by: J. M. K. B. R. S.
 Date: 03/17/2011
 Project: Port of Rochester Marina Development
 Drawing: V1.01



NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

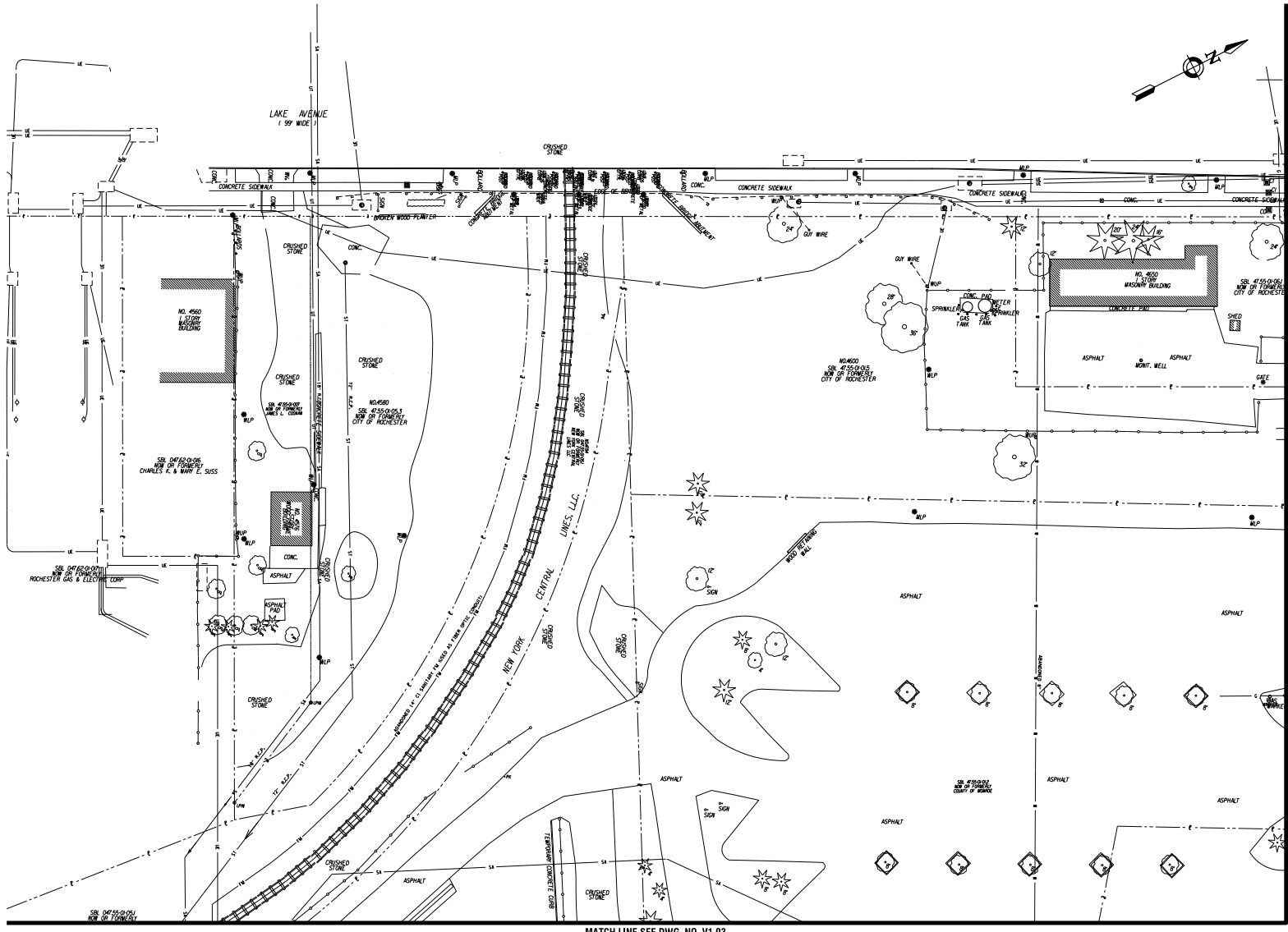
It is a policy of the City of Rochester to provide the highest quality of service to its citizens. The City of Rochester is committed to providing a safe and secure environment for its citizens. The City of Rochester is committed to providing a safe and secure environment for its citizens. The City of Rochester is committed to providing a safe and secure environment for its citizens.

ISSUED FOR
50% DESIGN

DRAWING TITLE
**EXISTING
CONDITIONS PLAN**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210669
DRAWING NUMBER:	

V1.02



MATCH LINE SEE DWG. NO. V1.04

MATCH LINE SEE DWG. NO. V1.03

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester that the City Engineer shall not issue a permit for any project, unless the project has been reviewed and approved by the City Engineer. The City Engineer's review and approval is limited to the technical aspects of the project and does not constitute an endorsement or a guarantee of the project. The City Engineer shall not be held responsible for any errors or omissions in the project. The City Engineer shall not be held responsible for any damages or injuries resulting from the project. The City Engineer shall not be held responsible for any costs or expenses incurred by the project. The City Engineer shall not be held responsible for any delays or interruptions in the project. The City Engineer shall not be held responsible for any other matters related to the project.

ISSUED FOR
50% DESIGN

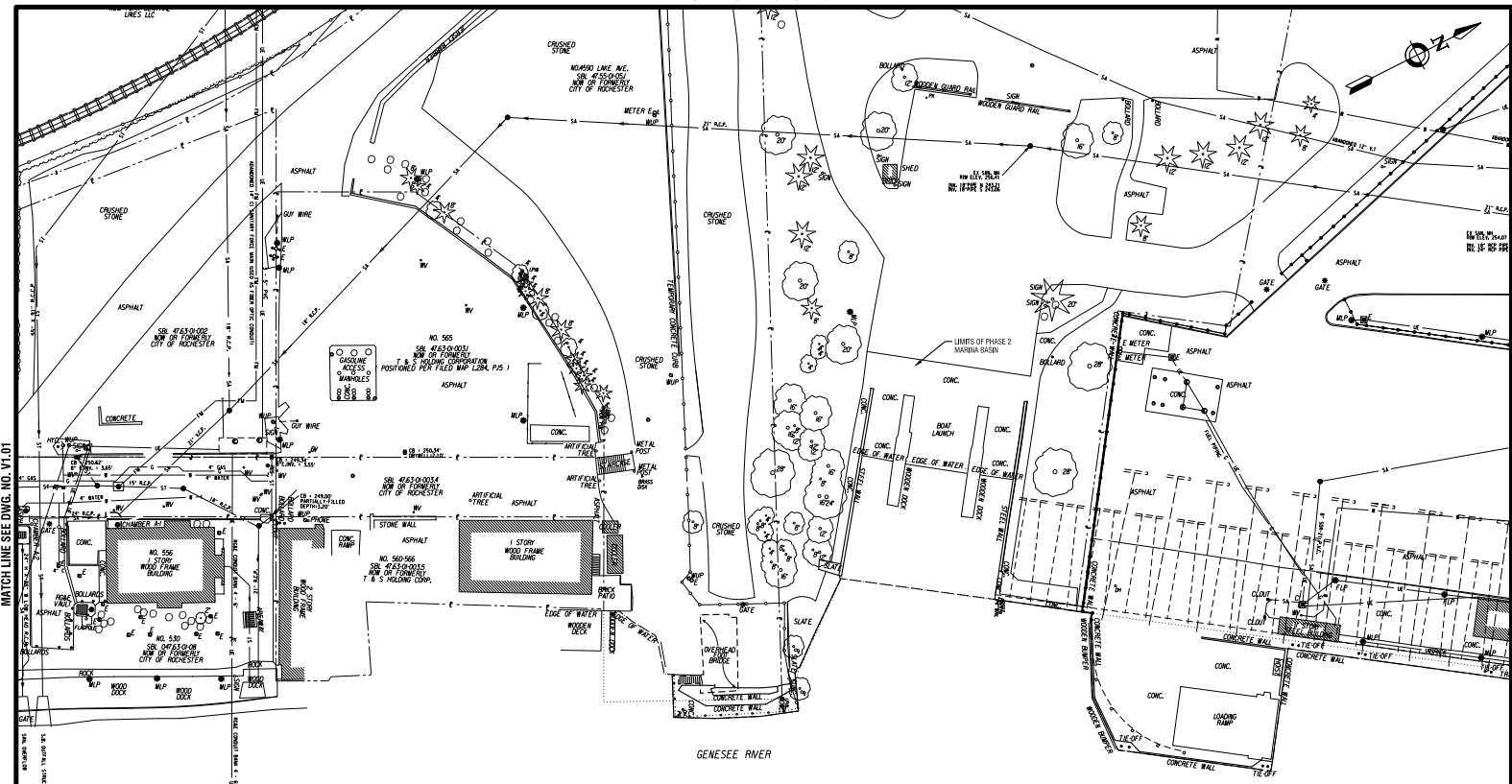
DRAWING TITLE
**EXISTING
CONDITIONS PLAN**

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669

DRAWING NUMBER

V1.03

MATCH LINE SEE DWG. NO. V1.02



MATCH LINE SEE DWG. NO. V1.01

MATCH LINE SEE DWG. NO. V1.05

Prepared by: J. J. J. J.
Checked by: J. J. J. J.
Date: 03/17/2011

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
..
..
..
..
..
..

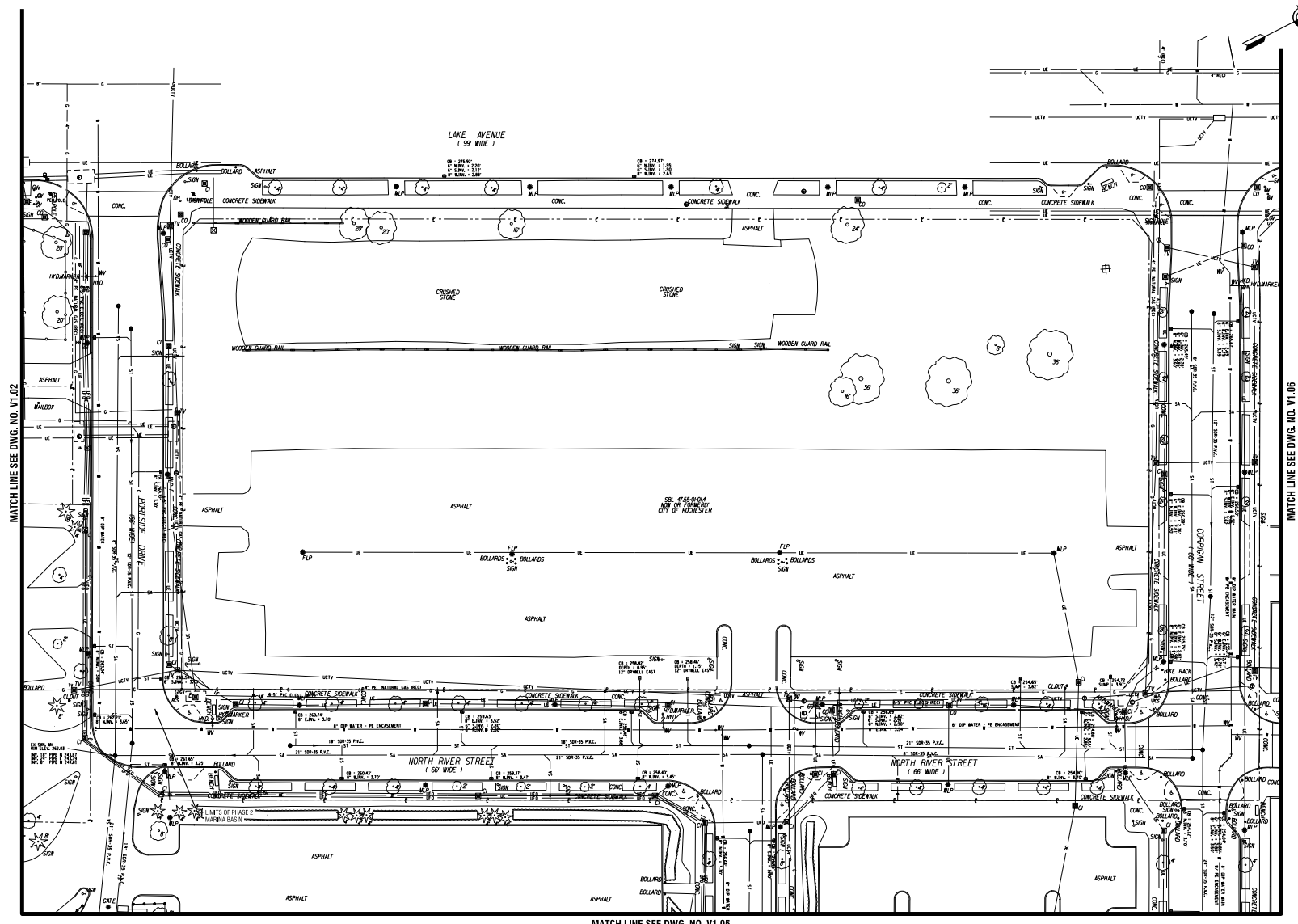
It is a part of the City of Rochester and the Port of Rochester to ensure that the design and construction of the Marina Development Project is consistent with the City's and Port's goals and objectives. The City and Port are not responsible for the design or construction of the project. The City and Port are not responsible for the design or construction of the project.

ISSUED FOR
50% DESIGN

DRAWING TITLE
**EXISTING
CONDITIONS PLAN**

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669
DRAWING NUMBER:

V1.04



MATCH LINE SEE DWG. NO. V1.02

MATCH LINE SEE DWG. NO. V1.06

MATCH LINE SEE DWG. NO. V1.05

COMPUTER BY: JLM/ABD
 PLOT BY: JLM/ABD
 DATE: 03/17/2011
 5:00PM

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a matter of the City of Rochester and Edgewater Resources, Inc. (Edgewater) to provide the information and data necessary for the design and construction of the project. Edgewater Resources, Inc. is not responsible for the accuracy of the information and data provided by the City of Rochester. Edgewater Resources, Inc. is not responsible for the accuracy of the information and data provided by the City of Rochester. Edgewater Resources, Inc. is not responsible for the accuracy of the information and data provided by the City of Rochester.

ISSUED FOR
50% DESIGN

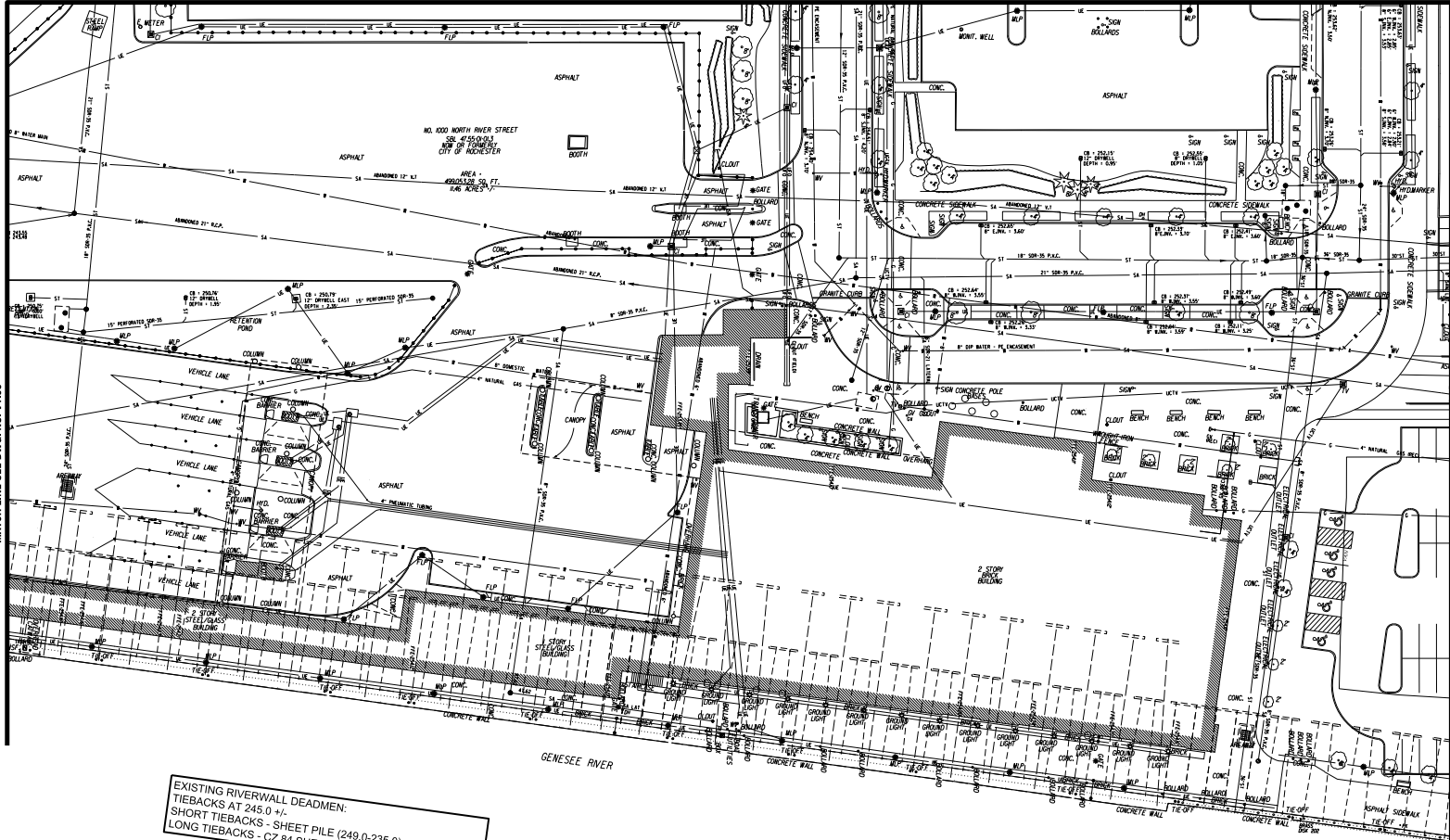
DRAWING TITLE
**EXISTING
CONDITIONS PLAN**

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210668

DRAWING NUMBER

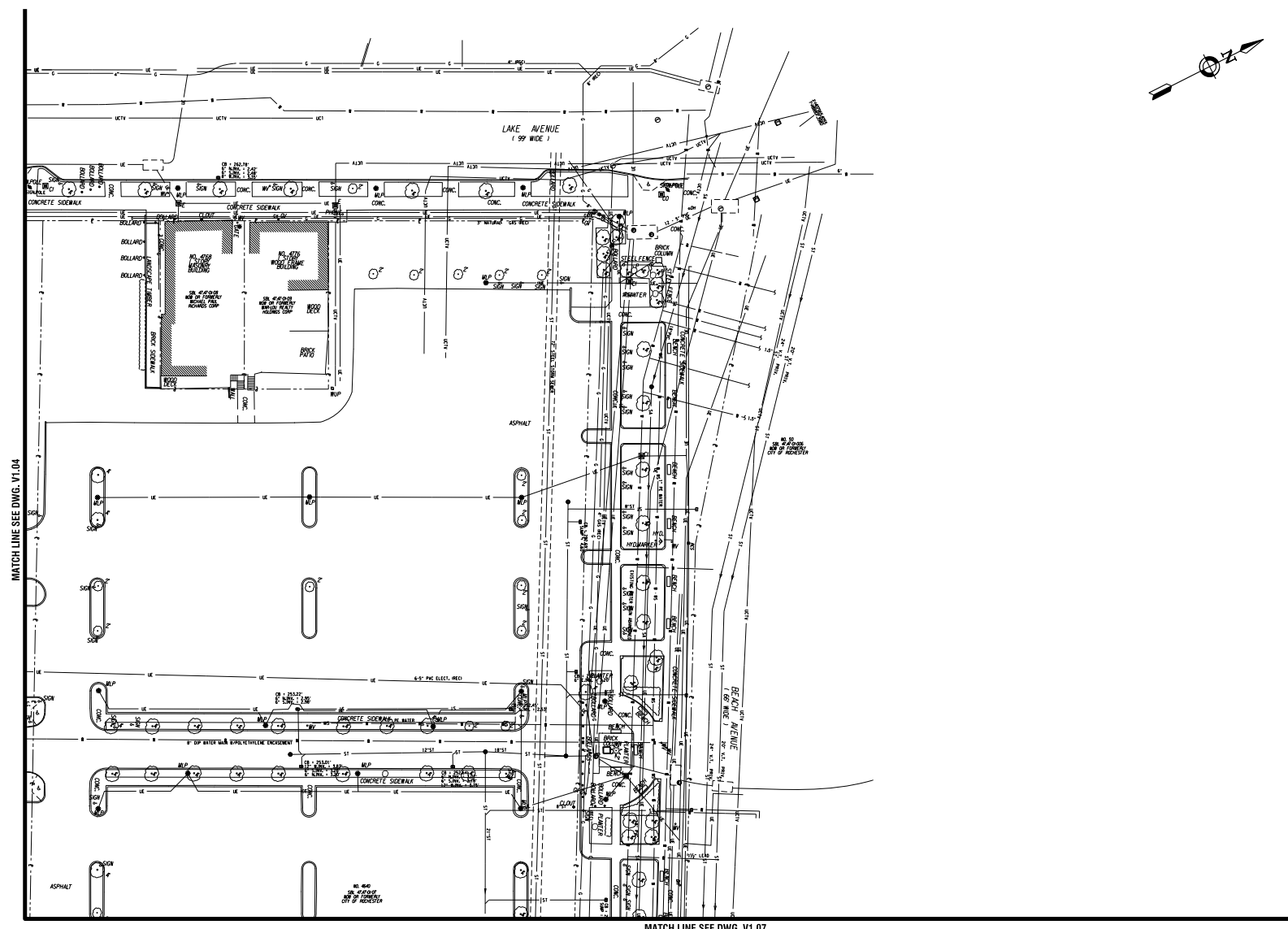
V1.05

MATCH LINE SEE DWG. NO. V1.04



EXISTING RIVERWALL DEADEN:
TIEBACKS AT 245.0 +/-
SHORT TIEBACKS - SHEET PILE (249.0-235.0)
LONG TIEBACKS - CZ 84 SHEET PILE, 11' WIDE (251.75-227.0)

EDG:RWR BY: JLR/REB
DATE: 03/18/2011
SCALE: 1" = 30'
DATE TIME: 03/17/2011



MATCH LINE SEE DWG. V1.04

MATCH LINE SEE DWG. V1.07

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester that the City of Rochester shall not be held liable for any errors or omissions in this drawing or any other drawings or specifications prepared by the City of Rochester or its consultants, and that the City of Rochester shall not be held liable for any damages, including consequential damages, arising out of the use of this drawing or any other drawings or specifications prepared by the City of Rochester or its consultants.

ISSUED FOR
50% DESIGN

DRAWING TITLE
**EXISTING
CONDITIONS PLAN**

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210660
DRAWING NUMBER:

V1.06

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a policy of the City of Rochester to provide the public with the most current information available. The information contained herein is for informational purposes only and is not intended to constitute an offer of any financial product or service. The information is provided for informational purposes only and is not intended to constitute an offer of any financial product or service. The information is provided for informational purposes only and is not intended to constitute an offer of any financial product or service.

ISSUED FOR

50% DESIGN

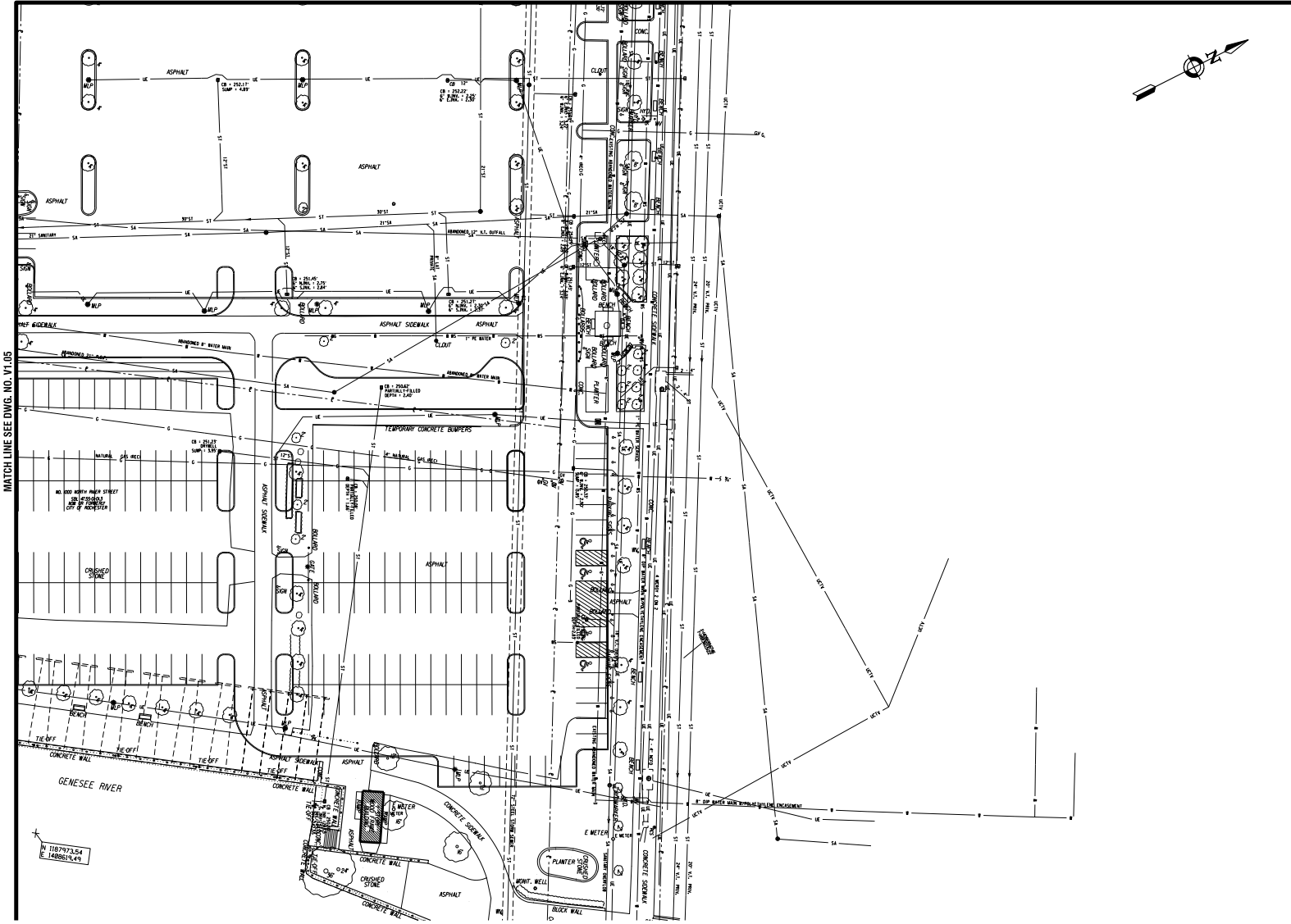
DRAWING TITLE

**EXISTING
CONDITIONS PLAN**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210669
DRAWING NUMBER:	

V1.07

MATCH LINE SEE DWG. NO. V1.06



MATCH LINE SEE DWG. NO. V1.05

DEMOLITION NOTES

SALVAGE ITEMS WITHIN AREAS IMPACTED BY CONSTRUCTION

- SALVAGE ALL LIGHTING FIXTURES FOR REINSTALLATION ON-SITE
- SALVAGE ALL VALVES AND HYDRANT LINES, PROVIDE TO CITY WATER BUREAU AT LOCATION TBD
- SALVAGE AND CLEAN GRANITE CURBING. REINSTALL ON-SITE AT SPECIFIED LOCATIONS, PROVIDE BALANCE TO COR AT LOCATION TBD
- SALVAGE VOTETECHNICS UNIT WITHIN EMBARKING / DISEMBARKING AREA, PROVIDE TO MOPW AT LOCATION TBD
- SALVAGE MANHOLE COVERS AND CATCH BASIN GRATES, PROVIDE TO MHW AT LOCATION TBD
- SALVAGE ALL DECORATIVE FENCING AND GATES, PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL STREETSCAPE AMENITIES, E.G. BENCHES, TRASH RECEPTACLES, DECORATIVE BOLLARDS, ETC, PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL TICKET AND INSPECTION BOOTHS IN EMBARKING / DISEMBARKING AREA, PROVIDE TO COR AT LOCATION TBD
- TRANSPLANT ALL TREES 6-12 INCHES DBH AT LOCATIONS IN ONTARIO BEACH PARK TBD

GENERAL DEMOLITION IN AREAS IMPACTED BY CONSTRUCTION

- DEMO AND REMOVE ALL HARDSCAPE AND LANDSCAPE TREATMENTS NOT IDENTIFIED FOR SALVAGE, E.G. ASPHALT, CONCRETE, PLANTINGS, ETC

DEMOLITION AND ABANDONMENT OF PUBLIC UTILITIES (WATER / SANITARY / STORM)

- DEMO AND REMOVE ALL SANITARY SEWER, DRAINAGE PIPING AND WATERMAIN WITHIN THE LIMITS OF THE MARINA EXCAVATION
- REMOVE ALL MANHOLES AND CATCH BASINS WITHIN THE LIMITS OF THE MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND CATCH BASINS, AND ABANDON ALL DEFUNCT UTILITY PIPING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

PRIVATE UTILITY ABANDONMENTS ALONG RIVER ST, HINGHER ST, CORCORAN ST, AND THE DROPOFF LOOP

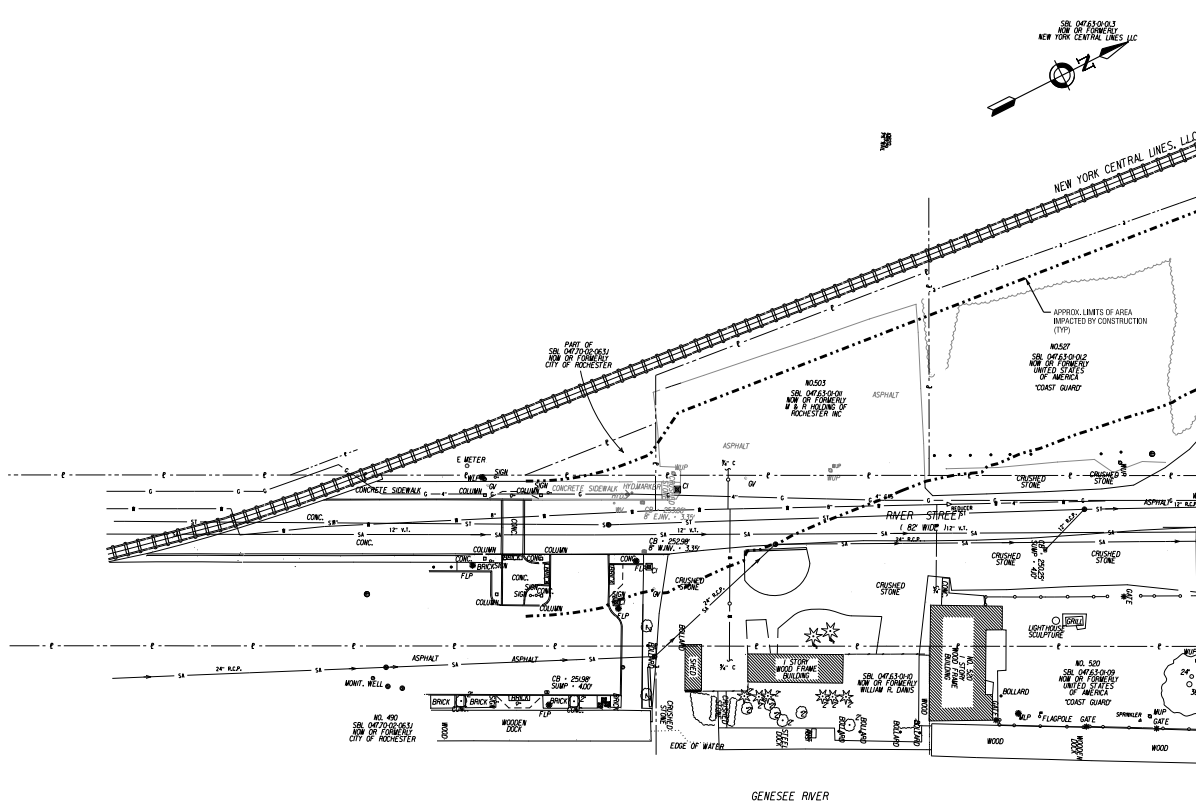
- CONFIRM THE ABANDONMENT OF THE FOLLOWING UTILITIES PRIOR TO COMMENCING DEMOLITION ACTIVITIES
 - GAS - RGSE
 - ELECTRIC - RGSE
 - FIBEROPTICS - CITY OF ROCHESTER AND MONROE COUNTY
 - CABLE - TIME WARNER
 - TELECOM - FRONTIER, OTHERS ????
- PRIVATE UTILITIES TO REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY PROJECT TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL MANHOLES JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS, AND GAS MAIN PIPING WITHIN THE LIMITS OF MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY PIPING AND CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

SITE UTILITIES (OUTSIDE ROADWAY)

- REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY MARINA EXCAVATION TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL PILES, MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

DEMOLITION EMBARKING / DISEMBARKING AREAS

- DEMO AND REMOVE ALL CONCRETE BOLLARDS AND ATTACHED EQUIPMENT
- DEMO AND REMOVE ALL CONCRETE BARRIERS AND PADS
- DEMO AND REMOVE PRESURIZED TUBING TO LIMITS OF EXCAVATION, BEYOND THE LIMITS ABANDON ALL DEFUNCT TUBING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
- DEMO AND REMOVE OVERHEAD CANOPY AND SUPPORTING STRUCTURE AND FOUNDATIONS AT DISEMBARKING BOOTHS ONLY. (CANOPY ADJACENT TO VEHICLE INSPECTION GARAGE TO REMAIN)



PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a matter of the City of Rochester law and the City of Rochester to ensure that the project is completed in accordance with the City of Rochester laws and regulations. The City of Rochester is not responsible for the accuracy of the information provided in this drawing. The City of Rochester is not responsible for the accuracy of the information provided in this drawing. The City of Rochester is not responsible for the accuracy of the information provided in this drawing.

ISSUED FOR
50% DESIGN

DRAWING TITLE
DEMOLITION PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669

DRAWING NUMBER

C1.01

DEMOLITION NOTES

SALVAGE ITEMS WITHIN AREAS IMPACTED BY CONSTRUCTION

- SALVAGE ALL LIGHTING FIXTURES FOR REINSTALLATION ON-SITE
- SALVAGE ALL VALVES AND HYDRANT UNITS. PROVIDE TO CITY WATER BUREAU AT LOCATION TBD
- SALVAGE AND CLEAN GRANITE CURBING. REINSTALL ON-SITE AT SPECIFIED LOCATIONS. PROVIDE BALANCE TO COR AT LOCATION TBD
- SALVAGE VORTECHNICS UNIT WITHIN EMBARKING / DISEMBARKING AREA. PROVIDE TO MCPW AT LOCATION TBD
- SALVAGE MANHOLE COVERS AND CATCH BASIN GRATES. PROVIDE TO MCPW AT LOCATION TBD
- SALVAGE ALL DECORATIVE FENCING AND GATES. PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL STREETSCAPE AMENITIES, E.G. BENCHES, TRASH RECEPTACLES, DECORATIVE BOLLARDS, ETC. PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL TICKET AND INSPECTION BOOTHS IN EMBARKING / DISEMBARKING AREA. PROVIDE TO COR AT LOCATION TBD
- TRANSPLANT ALL TREES 6-12 INCHES DBH AT LOCATIONS IN ONTARIO BEACH PARK TBD

GENERAL DEMOLITION IN AREAS IMPACTED BY CONSTRUCTION

- DEMO AND REMOVE ALL HARDSCAPE AND LANDSCAPE TREATMENTS NOT IDENTIFIED FOR SALVAGE, E.G. ASPHALT, CONCRETE, PLANTINGS, ETC

DEMOLITION AND ABANDONMENT OF PUBLIC UTILITIES (WATER / SANITARY / STORM)

- DEMO AND REMOVE ALL SANITARY SEWER, DRAINAGE PIPING AND WATERMAIN WITHIN THE LIMITS OF THE MARINA EXCAVATION.
- REMOVE ALL MANHOLES AND CATCH BASINS WITHIN THE LIMITS OF THE MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND CATCH BASINS, AND ABANDON ALL DEFUNCT UTILITY PIPING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

PRIVATE UTILITY ABANDONMENTS ALONG RIVER ST, HINCHER ST, CORRIGAN ST, AND THE DROPOFF LOOP

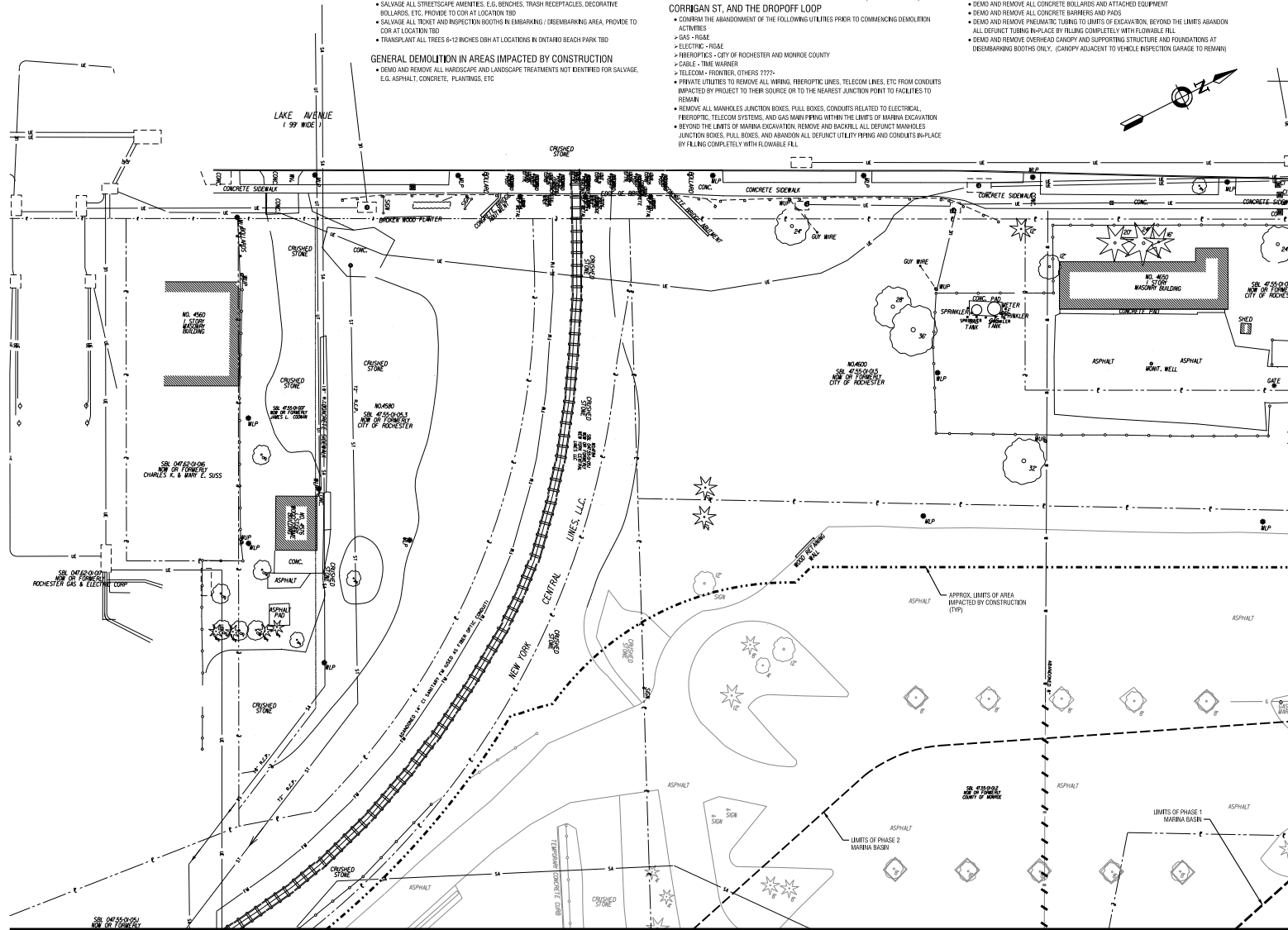
- CONFIRM THE ABANDONMENT OF THE FOLLOWING UTILITIES PRIOR TO COMMENCING DEMOLITION ACTIVITIES:
 - GAS - RISE
 - ELECTRIC - RISE
 - FIBEROPTICS - CITY OF ROCHESTER AND MONROE COUNTY
 - CABLE - TIME WARNER
 - TELECOM - FRONTIER, OTHERS ????
- PRIVATE UTILITIES TO REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY PROJECT TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY PIPING AND CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

SITE UTILITIES (OUTSIDE ROADWAY)

- REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY MARINA EXCAVATION TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL POLES, MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION.
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

DEMOLITION EMBARKING / DISEMBARKING AREAS

- DEMO AND REMOVE ALL CONCRETE BOLLARDS AND ATTACHED EQUIPMENT
- DEMO AND REMOVE ALL CONCRETE BARRIERS AND PAVES
- DEMO AND REMOVE PNEUMATIC TUBING TO LIMITS OF EXCAVATION, BEYOND THE LIMITS ABANDON ALL DEFUNCT TUBING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
- DEMO AND REMOVE COVERED CANOPY AND SUPPORTING STRUCTURE AND FOUNDATIONS AT DISEMBARKING BOOTHS ONLY. (CANOPY ADJACENT TO VEHICLE INSPECTION GARAGE TO REMAIN)



www.edgewaterresources.com
405 STATE STREET
ST. JOSEPH, MI 49085
P: (269) 932-5302
F: (269) 932-2542



www.labellassoc.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-8110
F: (585) 454-3068

PROJECT CLIENT
PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
ROCHESTER, NY



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

ISSUED FOR
50% DESIGN

DRAWING TITLE
DEMOLITION PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 21068

DRAWING NUMBER
C1.02

EXCERPT FROM: C1.02
 CITY OF ROCHESTER RESOURCES: 1/27/2009 - Port of Rochester Marina Development, C1.01-C1.05, December 2010
 602059.RW
 DATE: 11/17/2011

PROJECT CLIENT

PORT OF ROCHESTER MARINA DEVELOPMENT PROJECT
ROCHESTER, NY



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a habit of the City of Rochester to use the City logo for projects. When used for projects, the City logo is a trademark of the City of Rochester and is used under license. The City of Rochester is not responsible for the use of the City logo on any project not authorized by the City of Rochester. The City of Rochester reserves the right to change the City logo at any time without notice.

ISSUED FOR

50% DESIGN

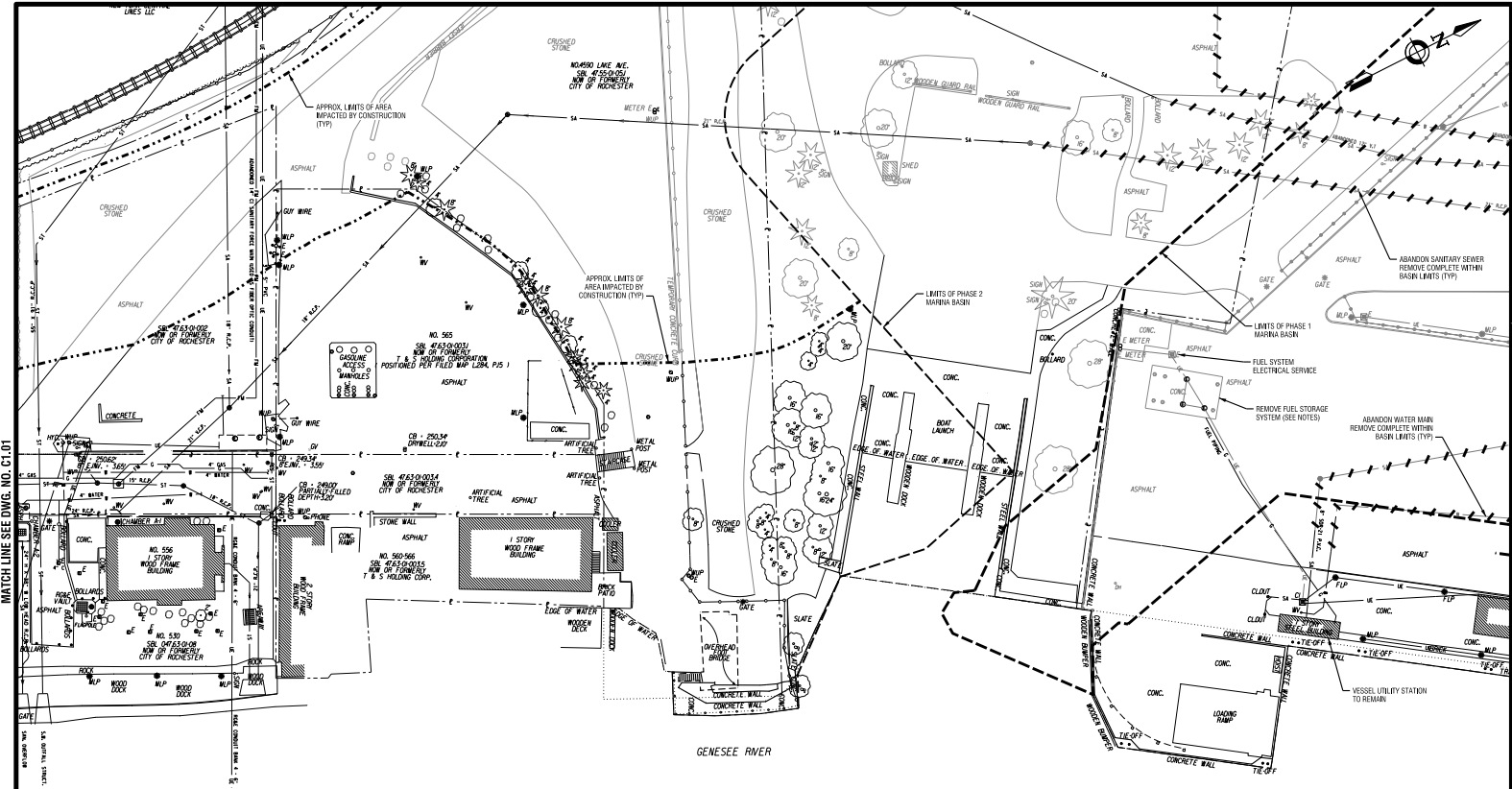
DRAWING TITLE

DEMOLITION PLAN

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210689
DRAWING NUMBER:	

C1.03

MATCH LINE SEE DWG. NO. C1.02



MATCH LINE SEE DWG. NO. C1.01

MATCH LINE SEE DWG. NO. C1.05

DEMOLITION NOTES

- SALVAGE ITEMS WITHIN AREAS IMPACTED BY CONSTRUCTION**
- SALVAGE ALL LIGHTING FIXTURES FOR REINSTALLATION ON-SITE
 - SALVAGE ALL VALVES AND HOBART UNITS, PROVIDE TO COR AT LOCATION TBD
 - SALVAGE AND CLEAN GRANITE CURBING, REINSTALL ON-SITE AT SPECIFIED LOCATIONS, PROVIDE BALANCE TO COR AT LOCATION TBD
 - SALVAGE VORTECH/MSU (UNT) WITHIN EMBARKING / DISEMBARKING AREA, PROVIDE TO MOPW AT LOCATION TBD
 - SALVAGE MANHOLE COVERS AND CATCH BASIN GRATES, PROVIDE TO MOPW AT LOCATION TBD
 - SALVAGE ALL DECORATIVE FENCING AND GATES, PROVIDE TO COR AT LOCATION TBD
 - SALVAGE ALL STREETScape ELEMENTS, E.G. BENCHES, TRASH RECEPTACLES, DECORATIVE BOLLARDS, ETC., PROVIDE TO COR AT LOCATION TBD
 - SALVAGE ALL TICKET AND INSPECTION BOOTHS IN EMBARKING / DISEMBARKING AREA, PROVIDE TO COR AT LOCATION TBD
 - TRANSPLANT ALL TREES 6-12 INCHES DBH AT LOCATIONS IN ONTARIO BEACH PARK TBD
- GENERAL DEMOLITION IN AREAS IMPACTED BY CONSTRUCTION**
- DEMO AND REMOVE ALL HARDSCAPE AND LANDSCAPE TREATMENTS NOT IDENTIFIED FOR SALVAGE, E.G. ASPHALT, CONCRETE, PLANTINGS, ETC.
- DEMOLITION AND ABANDONMENT OF PUBLIC UTILITIES (WATER / SANITARY/ STORM)**
- DEMO AND REMOVE ALL SANITARY SEWER, DRAINAGE PIPING AND WATERMAIN WITHIN THE LIMITS OF THE MARINA EXCAVATION
 - REMOVE ALL MANHOLES AND CATCH BASINS WITHIN THE LIMITS OF THE MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND CATCH BASINS, AND ABANDON ALL DEFUNCT UTILITY PIPING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

- PRIVATE UTILITY ABANDONMENTS ALONG RIVER ST, HINCHER ST, CORRIGAN ST, AND THE DROPOFF LOOP**
- CONFIRM THE ABANDONMENT OF THE FOLLOWING UTILITIES PRIOR TO COMMENCING DEMOLITION ACTIVITIES:
 - GAS - ROSE
 - ELECTRIC - ROSE
 - FIBEROPTIC - CITY OF ROCHESTER AND MONROE COUNTY
 - CABLE - TIME WARNER
 - TELECOM - FRONTIER, OTHERS ????
 - PRIVATE UTILITIES TO REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY PROJECT TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
 - REMOVE ALL MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS, AND GAS MAIN PIPING WITHIN THE LIMITS OF MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY PIPING AND CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
- SITE UTILITIES (OUTSIDE ROADWAY)**
- REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY MARINA EXCAVATION TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
 - REMOVE ALL POLES, MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

- DEMOLITION EMBARKING / DISEMBARKING AREAS**
- DEMO AND REMOVE ALL CONCRETE BOLLARDS AND ATTACHED EQUIPMENT
 - DEMO AND REMOVE ALL CONCRETE BARRIERS AND FENCES
 - DEMO AND REMOVE PNEUMATIC TUBING TO LIMITS OF EXCAVATION, BEYOND THE LIMITS ABANDON ALL DEFUNCT TUBING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
 - DEMO AND REMOVE OVERHEAD CANOPY AND SUPPORTING STRUCTURE AND FOUNDATIONS AT DISEMBARKING BOOTHS ONLY. (CANOPY ADJACENT TO VEHICLE INSPECTION GARAGE TO REMAIN)
- FUEL STORAGE AND DISPENSING SYSTEM**
- CONFIRM ABANDONMENT AND DECOMMISSIONING OF FUEL STORAGE AND DISPENSING SYSTEMS COMPLETE PRIOR TO COMMENCING DEMOLITION ACTIVITIES
 - CONFIRM ABANDONMENT OF ELECTRICAL SERVICE WITH RIGID PRIOR TO COMMENCING DEMOLITION ACTIVITIES
 - REMOVE ALL JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL SERVICE WITHIN THE LIMITS OF MARINA EXCAVATION
 - REMOVE ALL FUEL TRANSFER LINES AND DISPENSING EQUIPMENT COMPLETE
 - REMOVE DOUBLE WALLED FUEL TANKS, CONCRETE BALLAST, AND STONE FILL RELATED TO THE BELOW GRADE FUEL STORAGE FACILITY COMPLETE

C:\WORK\BYP\BYP10689\BYP10689.dwg - PortOfRochester\BYP10689.dwg C:\P1-C1.03 Demolition Plan.dwg
 DATE: TIME: 10/27/2011 8:00:17 PM

DEMOLITION NOTES

SALVAGE ITEMS WITHIN AREAS IMPACTED BY CONSTRUCTION

- SALVAGE ALL LIGHTING FIXTURES FOR REINSTALLATION ON-SITE
- SALVAGE ALL VALVES AND HYDRANT UNITS. PROVIDE TO CITY WATER BUREAU AT A LOCATION TBD
- SALVAGE AND CLEAN GRANITE CURBS, REINSTALL ON-SITE AT SPECIFIED LOCATIONS, PROVIDE BALANCE TO COR AT LOCATION TBD
- SALVAGE VORTICES UNIT WITH EMBARKING / DISEMBARKING AREA, PROVIDE TO MOPW AT LOCATION TBD
- SALVAGE MANHOLE COVERS AND CATCH BASIN GRATES, PROVIDE TO MOPW AT LOCATION TBD
- SALVAGE ALL DECORATIVE FENCING AND GATES, PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL STREETSCAPE AMENITIES, E.G. BENCHES, TRASH RECEPTACLES, DECORATIVE BOLLARDS, ETC. PROVIDE TO COR AT LOCATION TBD
- SALVAGE ALL TICKET AND INSPECTION BOOTHS IN EMBARKING / DISEMBARKING AREA, PROVIDE TO COR AT LOCATION TBD
- TRANSPLANT ALL TREES 6-12 INCHES DBH AT LOCATIONS IN ONTARIO BEACH PARK TBD

GENERAL DEMOLITION IN AREAS IMPACTED BY CONSTRUCTION

- DEMO AND REMOVE ALL HARDSCAPE AND LANDSCAPE TREATMENTS NOT IDENTIFIED FOR SALVAGE, E.G. ASPHALT, CONCRETE, PLANTINGS, ETC

DEMOLITION AND ABANDONMENT OF PUBLIC UTILITIES (WATER / SANITARY / STORM)

- DEMO AND REMOVE ALL SANITARY SEWER, DRAINAGE PIPING AND WATERMAIN WITHIN THE LIMITS OF THE MARINA EXCAVATION.
- REMOVE ALL MANHOLES AND CATCH BASINS WITHIN THE LIMITS OF THE MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND CATCH BASINS, AND ABANDON ALL DEFUNCT UTILITY PIPING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL.

PRIVATE UTILITY ABANDONMENTS ALONG RIVER ST, HINCHER ST, CORNHAN ST, AND THE DROPOFF LOOP

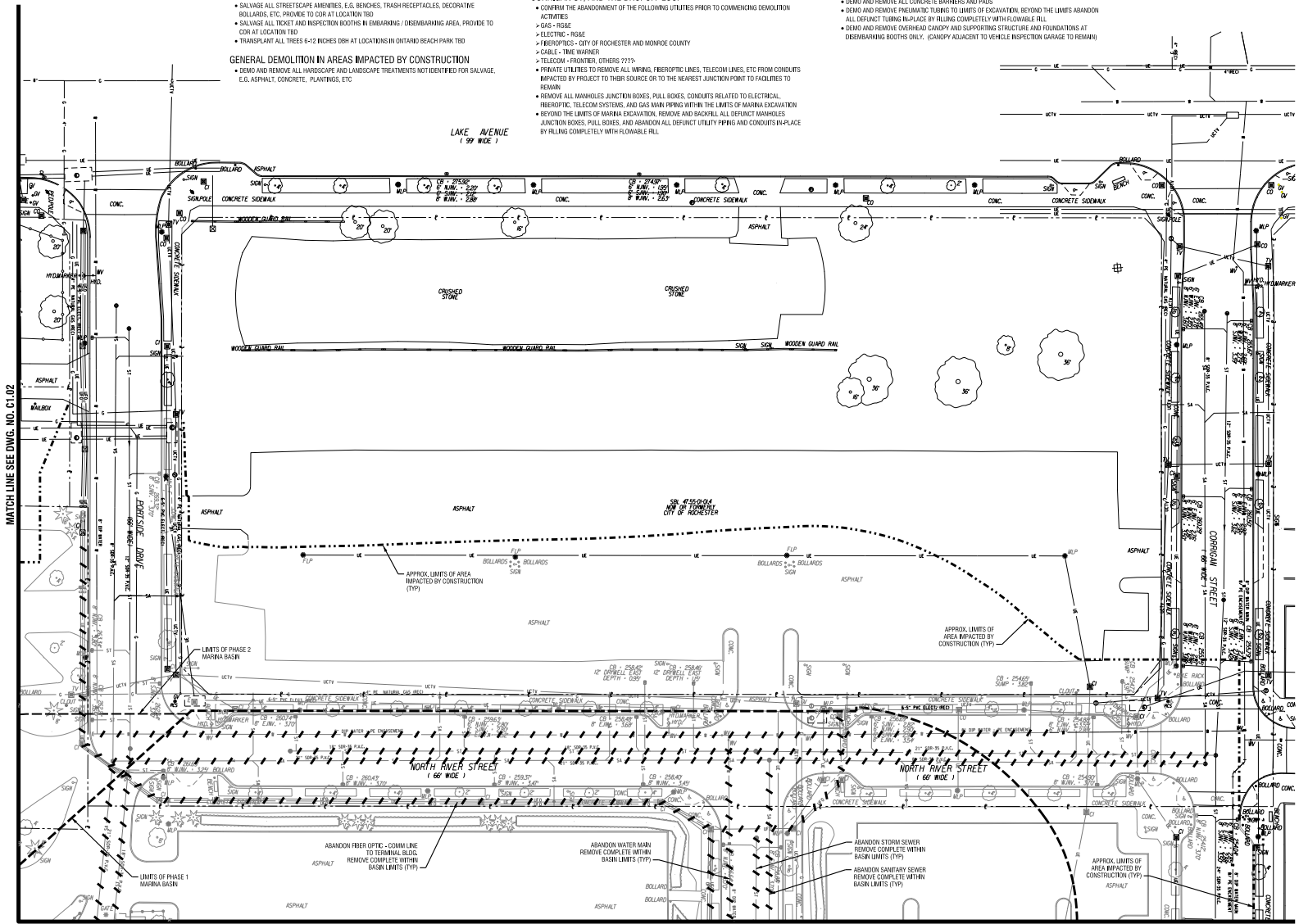
- COMPLETE THE ABANDONMENT OF THE FOLLOWING UTILITIES PRIOR TO COMMENCING DEMOLITION ACTIVITIES
 - > GAS - RISE
 - > ELECTRIC - RISE
 - > FIBEROPTICS - CITY OF ROCHESTER AND MONROE COUNTY
 - > CABLE - TIME WARNER
 - > TELECOM - FRONTIER, OTHERS 222?
- PRIVATE UTILITIES TO REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY PROJECT TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS, AND GAS MAIN PIPING WITHIN THE LIMITS OF MARINA EXCAVATION
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY PIPING AND CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL.

SITE UTILITIES (OUTSIDE ROADWAY)

- REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY MARINA EXCAVATION TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
- REMOVE ALL POLES, MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION.
- BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL.

DEMOLITION EMBARKING / DISEMBARKING AREAS

- DEMO AND REMOVE ALL CONCRETE BOLLARDS AND ATTACHED EQUIPMENT
- DEMO AND REMOVE ALL CONCRETE BARRIERS AND PADS
- DEMO AND REMOVE PRECAST TUNING TO LIMITS OF EXCAVATION, BEYOND THE LIMITS ABANDON ALL DEFUNCT TUNING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
- DEMO AND REMOVE OVERHEAD CANOPY AND SUPPORTING STRUCTURE AND FOUNDATIONS AT DISEMBARKING BOOTHS ONLY, (CANOPY ADJACENT TO VEHICLE INSPECTION GARAGE TO REMAIN)



MATCH LINE SEE DWG. NO. C1.02

MATCH LINE SEE DWG. NO. C1.05



www.edgewaterresources.com
405 STATE STREET
ROCHESTER, MI 48065
P: (269) 882-5202
F: (269) 882-5242



Relationships: Architects, Engineers
www.lhnhpc.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-8110
F: (585) 454-3066

Engineering
Architecture
Environmental
Planning

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION

ISSUED FOR
50% DESIGN

DEMOLITION PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 21068
DRAWING NUMBER:

C1.04

C:\Program Files\Autodesk\AutoCAD 2011\Projects\Port of Rochester\Drawings\Demolition\Demolition.dwg (C:\Program Files\Autodesk\AutoCAD 2011\Projects\Port of Rochester\Drawings\Demolition.dwg)
 USER: JH
 DATE: TIME: 3/17/2011 5:05:11 PM

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a habit of the City of Rochester to use the City of Rochester logo on all project documents. The logo is a registered trademark of the City of Rochester and is used here under license. The logo is not to be used for any other project without the written permission of the City of Rochester. The logo is not to be used for any other project without the written permission of the City of Rochester. The logo is not to be used for any other project without the written permission of the City of Rochester.

ISSUED FOR
50% DESIGN

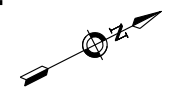
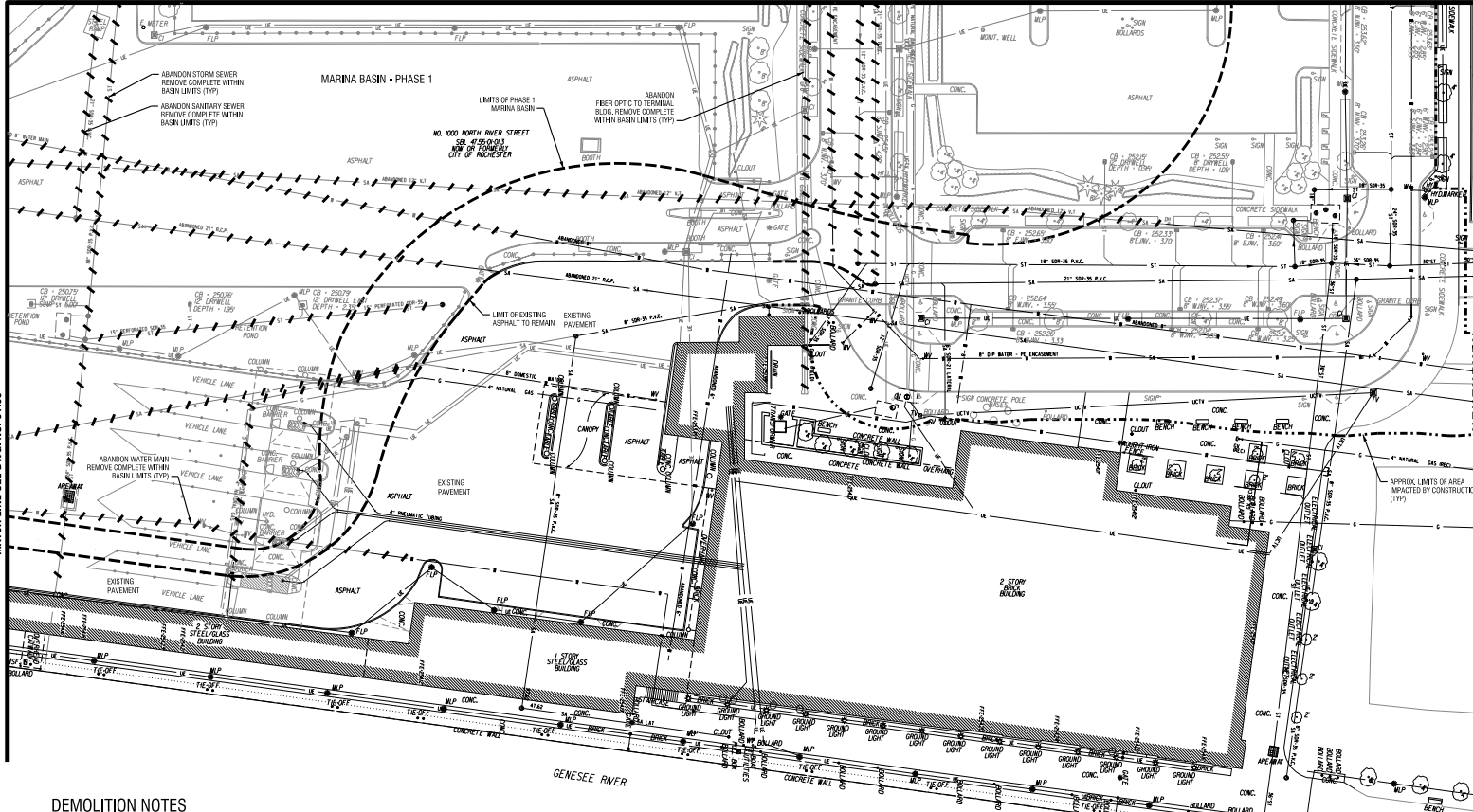
DRAWING TITLE

DEMOLITION PLAN

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210689
DRAWING NUMBER:	

C1.05

MATCH LINE SEE DWG. NO. C1.04



MATCH LINE SEE DWG. NO. C1.03

DEMOLITION NOTES

- SALVAGE ITEMS WITHIN AREAS IMPACTED BY CONSTRUCTION**
- SALVAGE ALL LIGHTING FIXTURES FOR REINSTALLATION ON-SITE
 - SALVAGE ALL VALVES AND HYDRANT LINES. PROVIDE TO CITY WATER BUREAU AT A LOCATION TBD
 - SALVAGE AND CLEAN GRANITE CURBING. REINSTALL ON-SITE AT SPECIFIED LOCATIONS. PROVIDE BALANCE TO COR AT LOCATION TBD
 - SALVAGE VORTECHAMBS UNIT WITHIN EMBARKING / DISEMBARKING AREA. PROVIDE TO MOPW AT LOCATION TBD
 - SALVAGE MANHOLE COVERS AND CATCH BASIN GRATES. PROVIDE TO MOPW AT LOCATION TBD
 - SALVAGE ALL DECORATIVE FENCINGS AND GATES. PROVIDE TO COR AT LOCATION TBD
 - SALVAGE ALL STREETSCAPE AMENITIES, E.G. BENCHES, TRASH RECEPTACLES, DECORATIVE BOLLARDS, ETC. PROVIDE TO COR AT LOCATION TBD
 - SALVAGE ALL TICKET AND INSPECTION BOOTHS IN EMBARKING / DISEMBARKING AREA. PROVIDE TO COR AT LOCATION TBD
 - TRANSPLANT ALL TREES 6-12 INCHES DBH AT LOCATIONS IN ONTARIO BEACH PARK TBD
- GENERAL DEMOLITION IN AREAS IMPACTED BY CONSTRUCTION**
- DEMO AND REMOVE ALL HARDSCAPE AND LANDSCAPE TREATMENTS NOT IDENTIFIED FOR SALVAGE, E.G. ASPHALT, CONCRETE, PLANTINGS, ETC

- PRIVATE UTILITY ABANDONMENTS ALONG RIVER ST, HINCHER ST, CORRIGAN ST, AND THE DROPOFF LOOP**
- CONFIRM THE ABANDONMENT OF THE FOLLOWING UTILITIES PRIOR TO COMMENCING DEMOLITION ACTIVITIES
 - GAS - RG&E
 - ELECTRIC - RG&E
 - FIBEROPTICS - CITY OF ROCHESTER AND MONROE COUNTY
 - CABLE - TIME WARNER
 - TELECOM - FRONTIER, OTHERS ?????
 - PRIVATE UTILITIES TO REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY PROJECT TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
 - REMOVE ALL MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS, AND GAS MAIN PIPING WITHIN THE LIMITS OF MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY PIPING AND CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

- DEMOLITION EMBARKING / DISEMBARKING AREAS**
- DEMO AND REMOVE ALL CONCRETE BOLLARDS AND ATTACHED EQUIPMENT
 - DEMO AND REMOVE ALL CONCRETE BARRIERS AND PADS
 - DEMO AND REMOVE PNEUMATIC TUBING TO LIMITS OF EXCAVATION, BEYOND THE LIMITS ABANDON ALL DEFUNCT TUBING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
 - DEMO AND REMOVE OVERHEAD CANOPY AND SUPPORTING STRUCTURE AND FOUNDATIONS AT DISEMBARKING BOOTHS ONLY. (CANOPY ADJACENT TO VEHICLE INSPECTION GARAGE TO REMAIN)

- DEMOLITION AND ABANDONMENT OF PUBLIC UTILITIES (WATER / SANITARY / STORM)**
- DEMO AND REMOVE ALL SANITARY SEWER, DRAINAGE PIPING AND WATERMAIN WITHIN THE LIMITS OF THE MARINA EXCAVATION
 - REMOVE ALL MANHOLES AND CATCH BASINS WITHIN THE LIMITS OF THE MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES AND CATCH BASINS, AND ABANDON ALL DEFUNCT UTILITY PIPING IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

- SITE UTILITIES (OUTSIDE ROADWAY)**
- REMOVE ALL WIRING, FIBEROPTIC LINES, TELECOM LINES, ETC FROM CONDUITS IMPACTED BY MARINA EXCAVATION TO THEIR SOURCE OR TO THE NEAREST JUNCTION POINT TO FACILITIES TO REMAIN
 - REMOVE ALL POLES, MANHOLES, JUNCTION BOXES, PULL BOXES, CONDUITS RELATED TO ELECTRICAL, FIBEROPTIC, TELECOM SYSTEMS WITHIN THE LIMITS OF MARINA EXCAVATION
 - BEYOND THE LIMITS OF MARINA EXCAVATION, REMOVE AND BACKFILL ALL DEFUNCT MANHOLES, JUNCTION BOXES, PULL BOXES, AND ABANDON ALL DEFUNCT UTILITY CONDUITS IN-PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL

PL:CDP/RA: BW:JML/REB
DATE: 03/18/2011
SCALE: 1" = 30'
DATE: 03/18/2011

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester license for the use of this drawing for any project other than that for which it was prepared. No other use, reproduction, or distribution of this drawing is permitted without the express written consent of Edgewater Resources. Edgewater Resources and its affiliates shall not be held liable for any errors or omissions in this drawing. The user of this drawing shall be responsible for its accuracy and for any consequences resulting from its use. CONTRACT NO. 210668-0001-0001-0001

ISSUED FOR

50% DESIGN

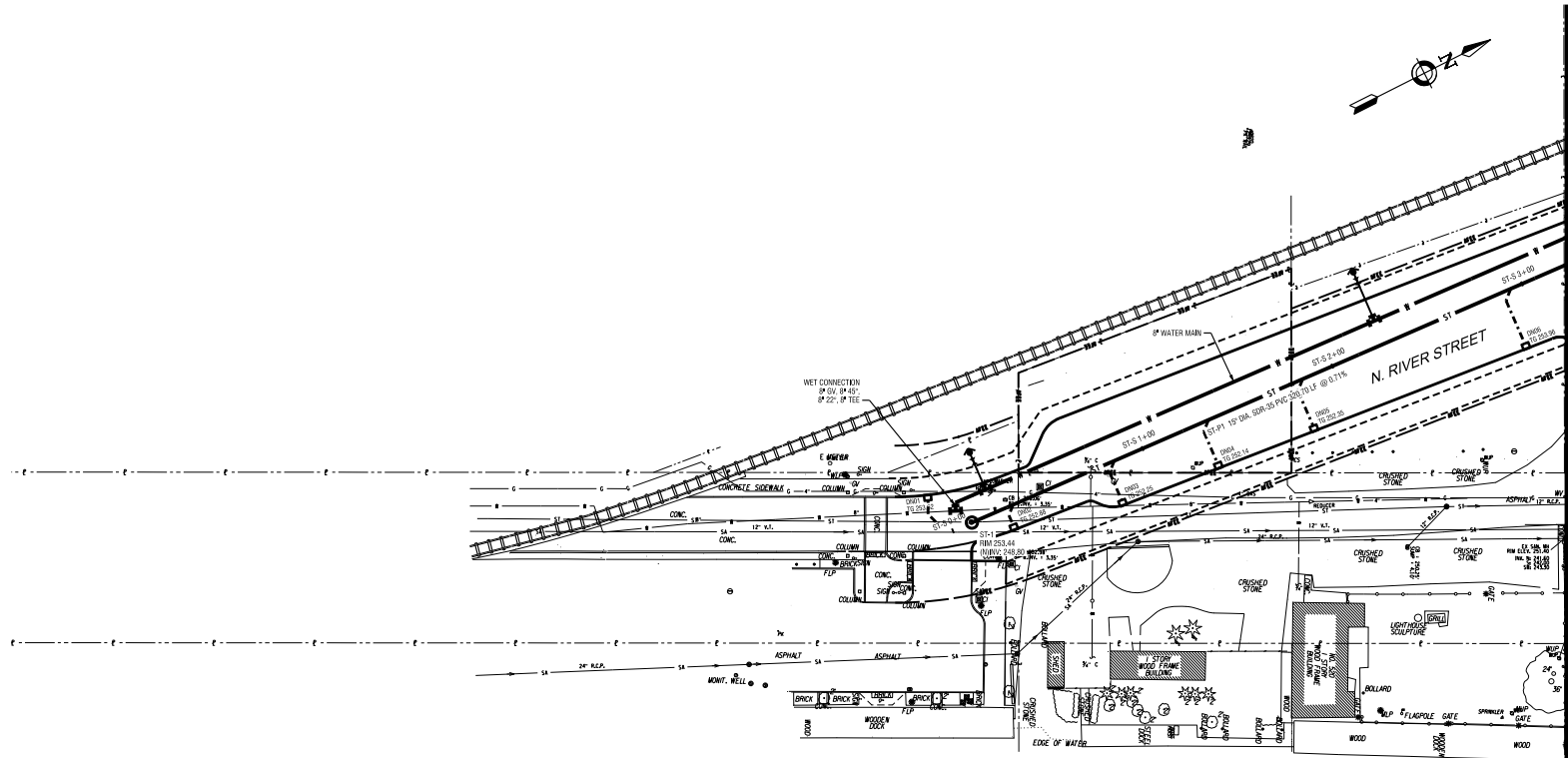
DRAWING TITLE

UTILITY PLAN

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210668

DRAWING NUMBER

C2.01



MATCH LINE SEE DWG. NO. C2.03

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is the policy of the City of Rochester to use the services of a professional engineer for the design of all major engineering projects and to ensure that the design is in accordance with the requirements of the State of New York. The City of Rochester is not responsible for the design of any other project or for any other project or for any other project.

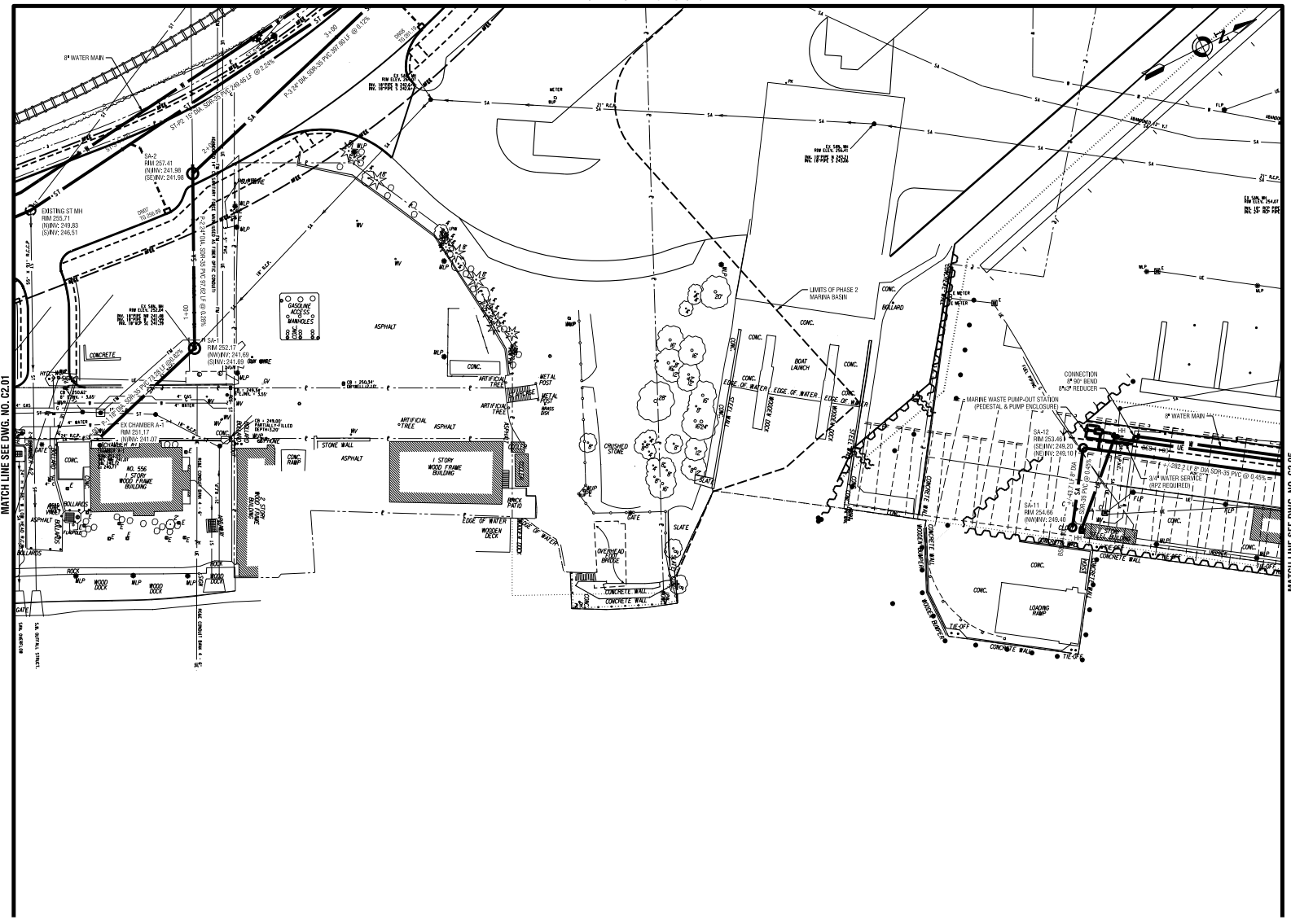
ISSUED FOR
50% DESIGN

DRAWING TITLE
UTILITY PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____
PROJECT NUMBER: 210669

DRAWING NUMBER
C2.03

MATCH LINE SEE DWG. NO. C2.02



MATCH LINE SEE DWG. NO. C2.01

MATCH LINE SEE DWG. NO. C2.05

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION

It is a condition of the City of Rochester License and the 100% design for any project, whether on land or in water, that the developer obtain all necessary permits and licenses from the appropriate regulatory agencies before construction begins. The City of Rochester does not warrant the accuracy of the information provided herein and shall not be responsible for any errors or omissions. The City of Rochester reserves the right to modify this license at any time without notice. The license shall remain in effect until the project is completed and approved by the City of Rochester. The City of Rochester reserves the right to terminate this license if the developer fails to comply with the terms and conditions of this license. The City of Rochester reserves the right to modify this license at any time without notice. The City of Rochester reserves the right to terminate this license if the developer fails to comply with the terms and conditions of this license.

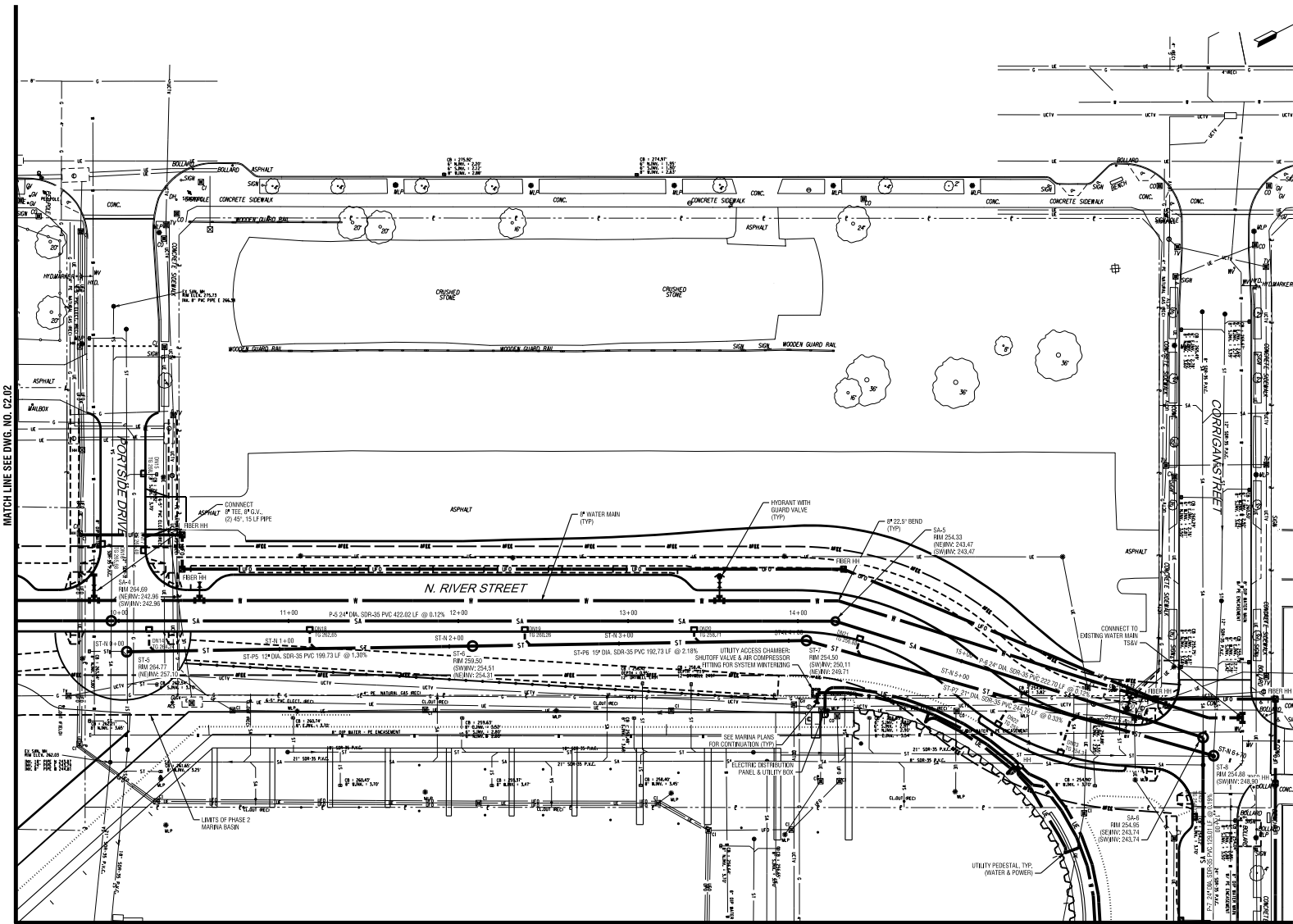
ISSUED FOR
50% DESIGN

DRAWING TITLE
UTILITY PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669

DRAWING NUMBER

C2.04



PROJECT: PORT OF ROCHESTER MARINA DEVELOPMENT
DRAWING: C2.04
DATE: 03/17/2011
SCALE: 1" = 30'

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a matter of New York State Law (see Article 16 of the State Constitution) that the engineer, architect or other professional person who is responsible for the preparation of the drawings and specifications for a project shall be a duly licensed professional person in the State of New York. The engineer, architect or other professional person who is responsible for the preparation of the drawings and specifications for a project shall be a duly licensed professional person in the State of New York.

ISSUED FOR
50% DESIGN

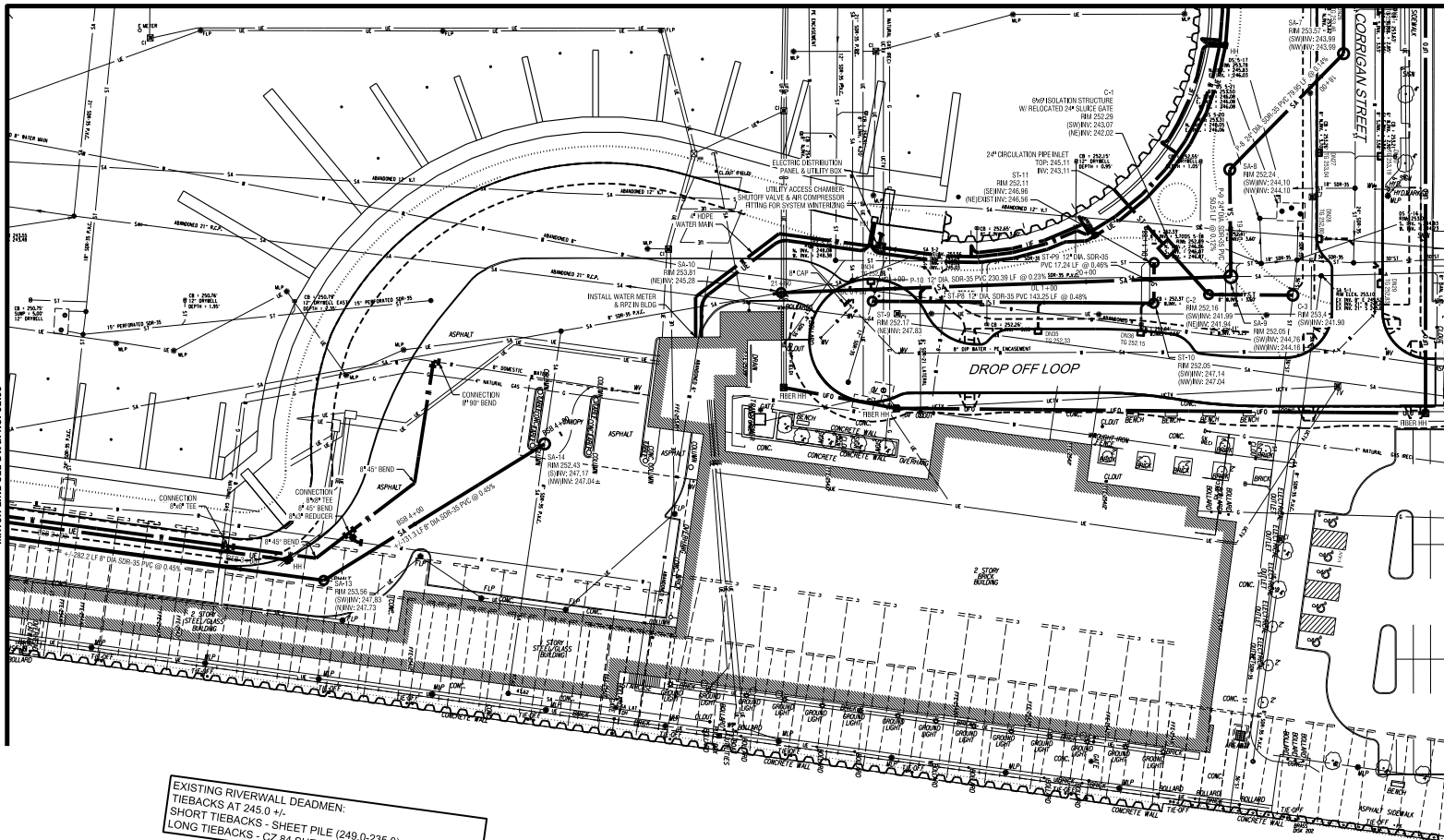
DRAWING TITLE
UTILITY PLAN

DATE: MARCH 18, 2011
SCALE: 1" = 30'
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 21068

DRAWING NUMBER

C2.05

MATCH LINE SEE DWG. NO. C2.04



EXISTING RIVERWALL DEADMEN:
TIEBACKS AT 245.0 +/-
SHORT TIEBACKS - SHEET PILE (249.0-235.0)
LONG TIEBACKS - CZ 84 SHEET PILE, 11' WIDE (251.75-227.0)

MATCH LINE SEE DWG. NO. C2.03

EDG:RWR BY: JAL:RWR
DATE: 03/18/11
SCALE: 1" = 30'
DATE TIME: 11/27/2011
50046.FXD

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester Sewer Utility Ordinance that any person, contractor or consultant who prepares or provides any engineering, architectural or other professional services for the City of Rochester shall be licensed and registered in the State of New York. The City of Rochester reserves the right to require any person, contractor or consultant to provide proof of such license and registration to the City of Rochester. The City of Rochester reserves the right to require any person, contractor or consultant to provide proof of such license and registration to the City of Rochester.

ISSUED FOR

50% DESIGN

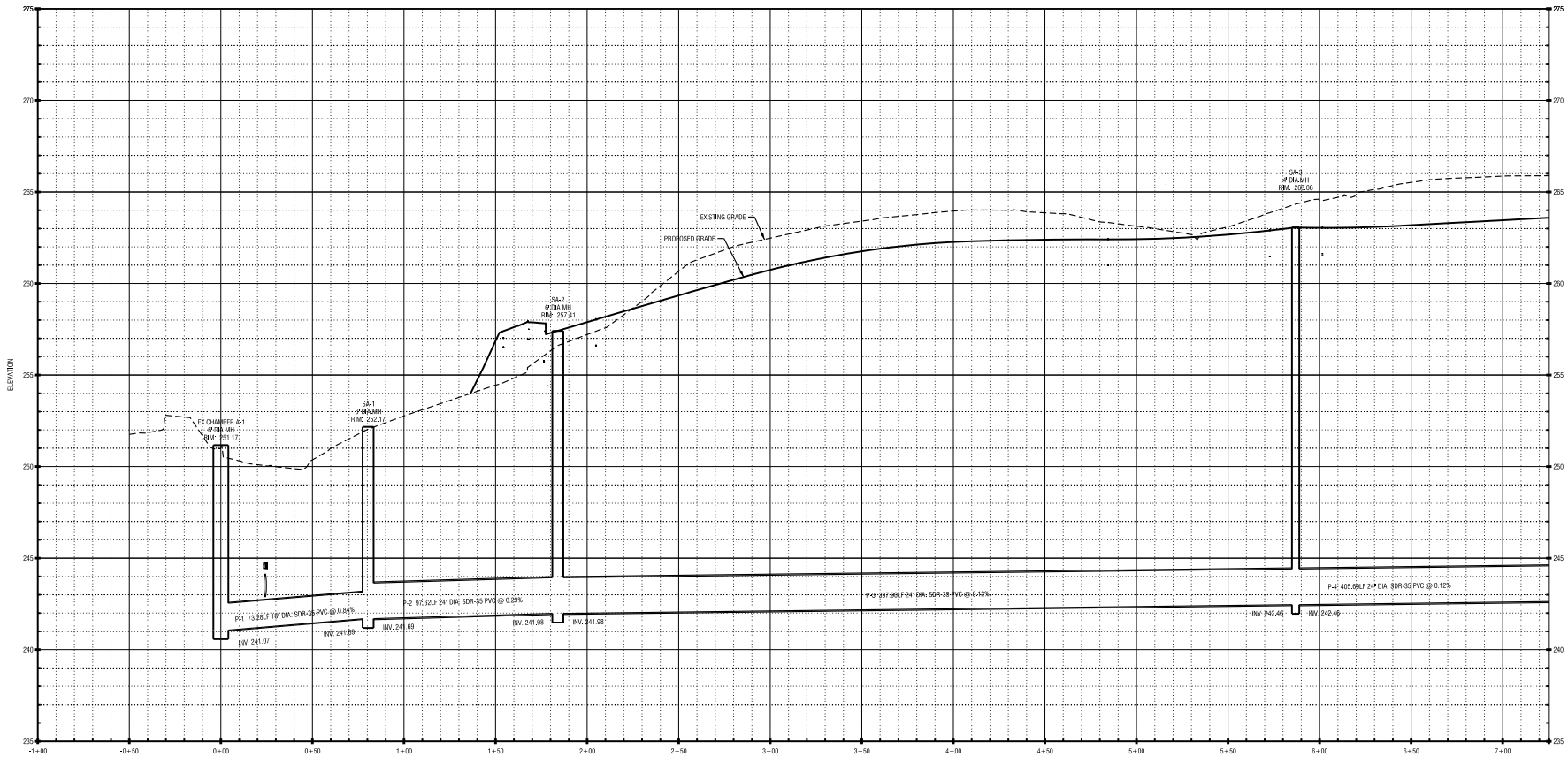
DRAWING TITLE

**UTILITY PROFILES
SANITARY SEWER**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660

DRAWING NUMBER

C3.01



PROFILE VIEW
SCALE: HORIZ: 1" = 30'
VERT: 1" = 2'

MATCH LINE SEE DWG. NO. C3.02

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester License No. 101-10-2010 for any person, individual or firm, to provide professional engineering, architectural or other services to the City of Rochester. The City of Rochester reserves the right to suspend or revoke the license of any person or firm who fails to comply with the terms and conditions of the license. The City of Rochester reserves the right to suspend or revoke the license of any person or firm who fails to comply with the terms and conditions of the license. The City of Rochester reserves the right to suspend or revoke the license of any person or firm who fails to comply with the terms and conditions of the license.

ISSUED FOR

50% DESIGN

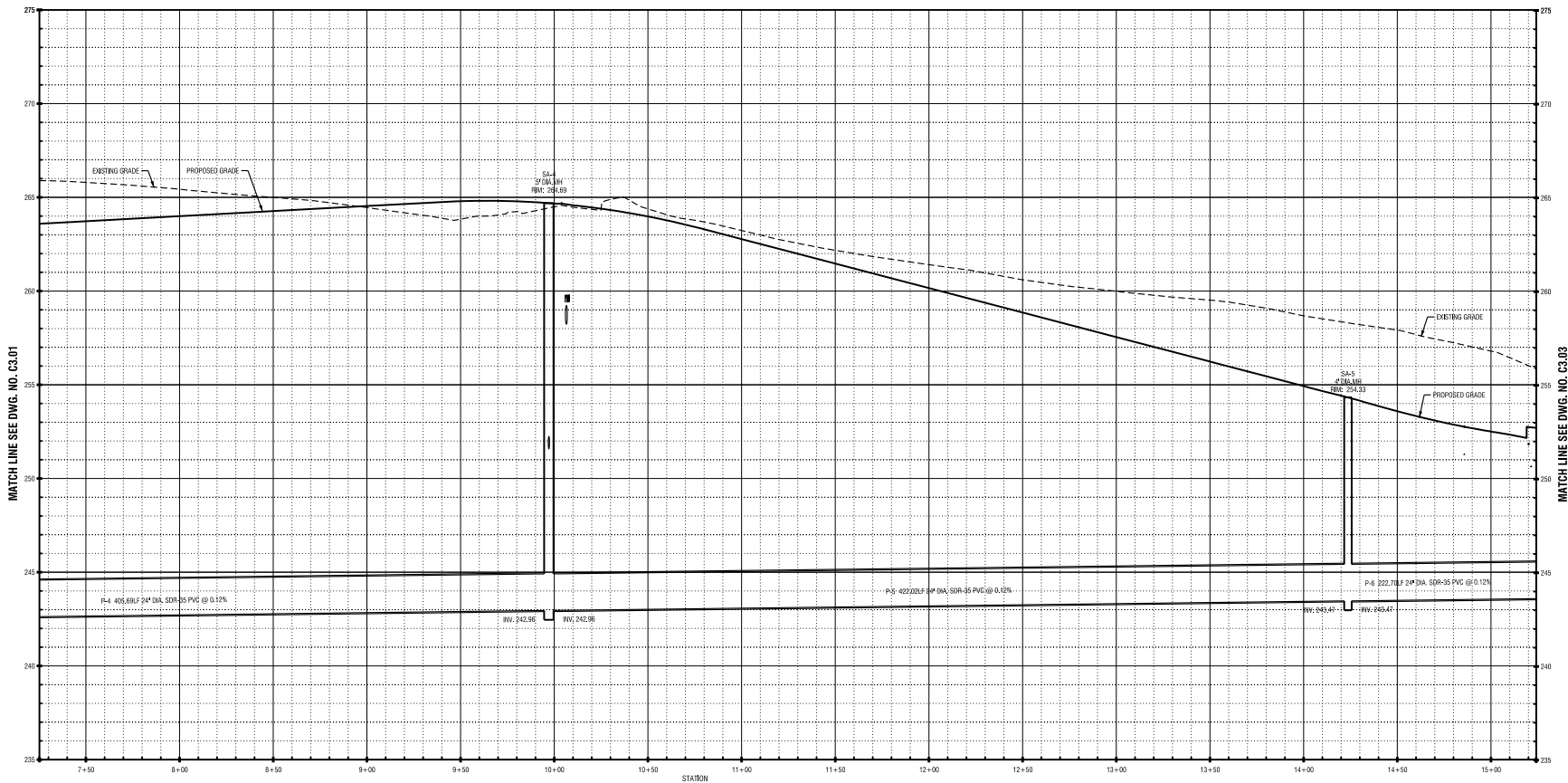
DRAWING TITLE

**UTILITY PROFILES
SANITARY SEWER**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660

DRAWING NUMBER

C3.02



PROFILE VIEW
SCALE: HORIZ: 1" = 30'
VERT: 1" = 3'

MATCH LINE SEE DWG. NO. C3.01

MATCH LINE SEE DWG. NO. C3.03

Prepared by: J. J. [unreadable]
Checked by: [unreadable]
Date: 03/17/2011

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester License Agreement that the engineer, architect or contractor shall be responsible for the accuracy of the information provided to the City of Rochester and shall be held responsible for any errors or omissions in the information provided to the City of Rochester. The City of Rochester is not responsible for any errors or omissions in the information provided to the City of Rochester.

ISSUED FOR

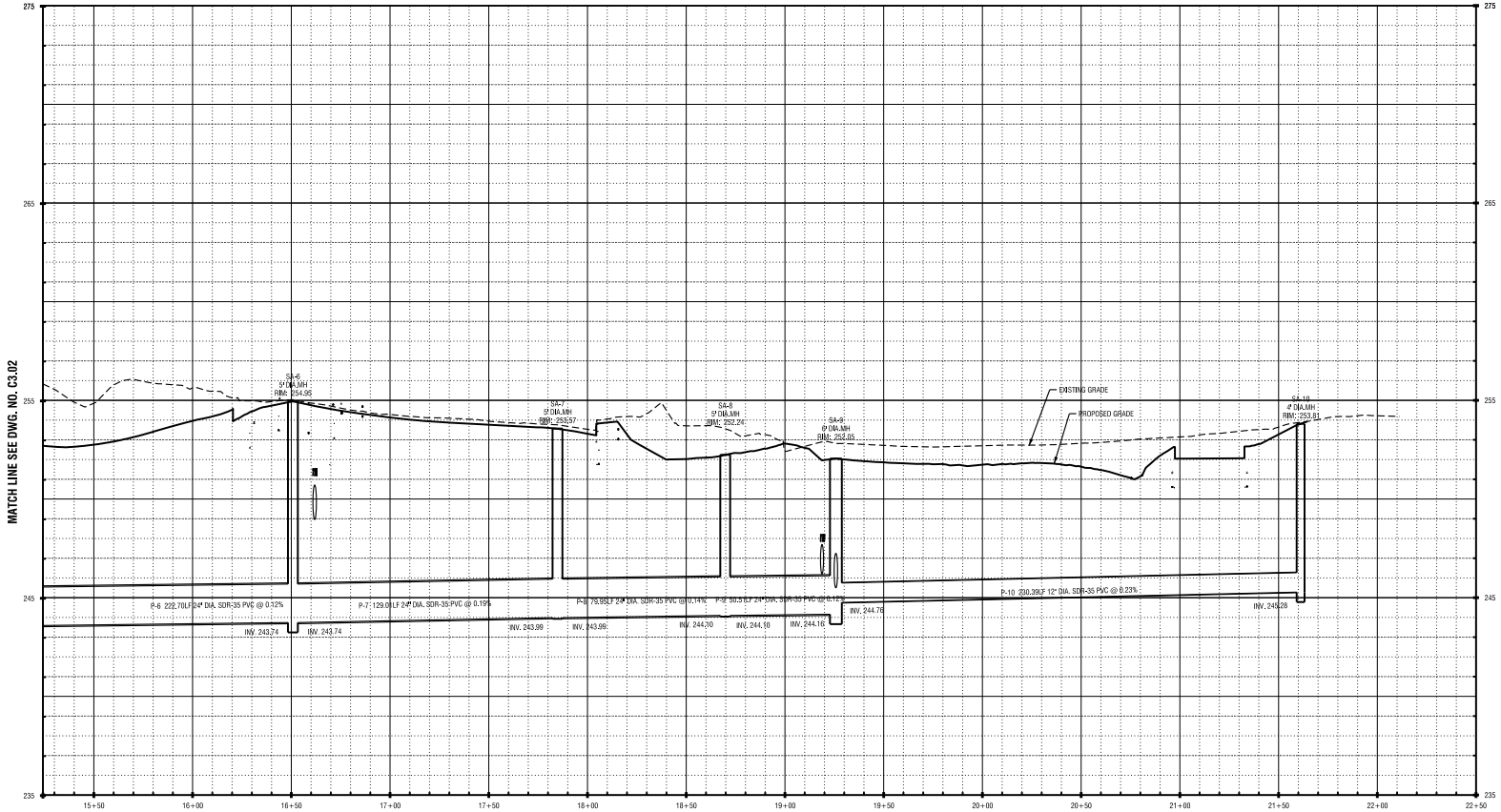
50% DESIGN

DRAWING TITLE

**UTILITY PROFILES
SANITARY SEWER**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660
DRAWING NUMBER:	

C3.03



PROFILE VIEW
SCALE: HORIZ: 1" = 30'
VERT: 1" = 3'

P:\C303\DWG\DWG\01\01.dwg
 DATE: 03/17/2011 10:00:17 AM
 USER: JH
 PROJECT: Edgewater Resources LP210660 - Port of Rochester Marina Development\01\01.dwg
 PLOT DATE: 03/17/2011 10:00:17 AM

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a habit of the City of Rochester to require the City Engineer to review and approve all plans for the proposed work. The City Engineer's review and approval does not constitute a warranty or guarantee of the accuracy or completeness of the information shown on these plans. The City Engineer's review and approval is limited to the information shown on these plans and does not constitute a warranty or guarantee of the accuracy or completeness of the information shown on these plans. The City Engineer's review and approval is limited to the information shown on these plans and does not constitute a warranty or guarantee of the accuracy or completeness of the information shown on these plans.

ISSUED FOR

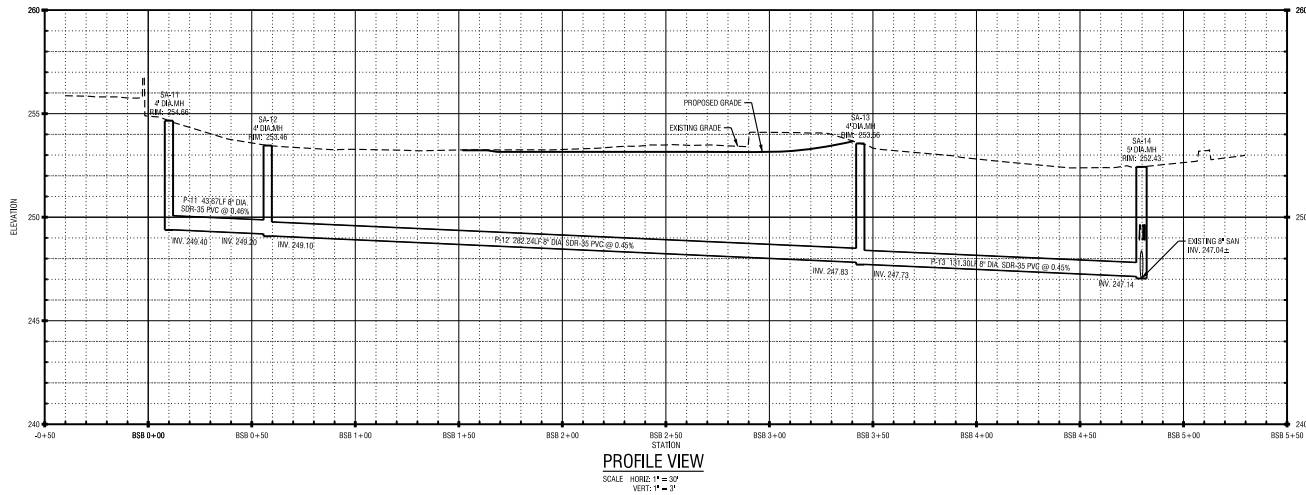
50% DESIGN

DRAWING TITLE

**UTILITY PROFILES
SANITARY SEWER
BOATER SERVICES**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210669
DRAWING NUMBER:	

C3.04



C:\projects\01101101\01101101.dwg
 DATE: 03/17/2011
 TIME: 10:00:00 AM
 USER: J. J. J.
 PLOTTER: HP DesignJet 5000 Series
 PLOTTING: J. J. J.
 PLOTTER: HP DesignJet 5000 Series

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a condition of the City of Rochester that the City of Rochester shall not be held responsible for any errors or omissions in this drawing or any other drawings or specifications prepared by the City of Rochester or any other person or entity. The City of Rochester shall not be held responsible for any errors or omissions in this drawing or any other drawings or specifications prepared by the City of Rochester or any other person or entity. The City of Rochester shall not be held responsible for any errors or omissions in this drawing or any other drawings or specifications prepared by the City of Rochester or any other person or entity.

ISSUED FOR

50% DESIGN

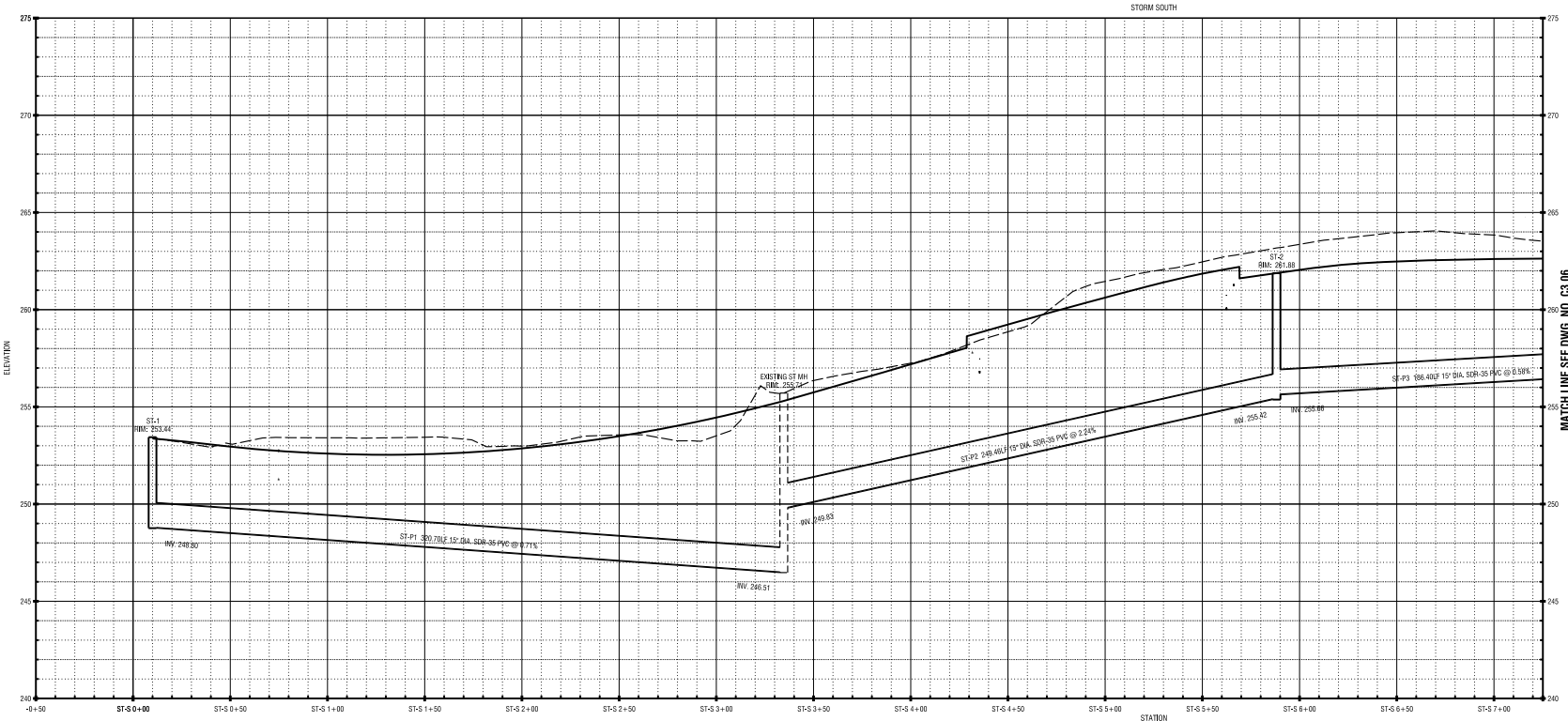
DRAWING TITLE

**UTILITY PROFILES
SOUTH STORM SEWER**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660

DRAWING NUMBER

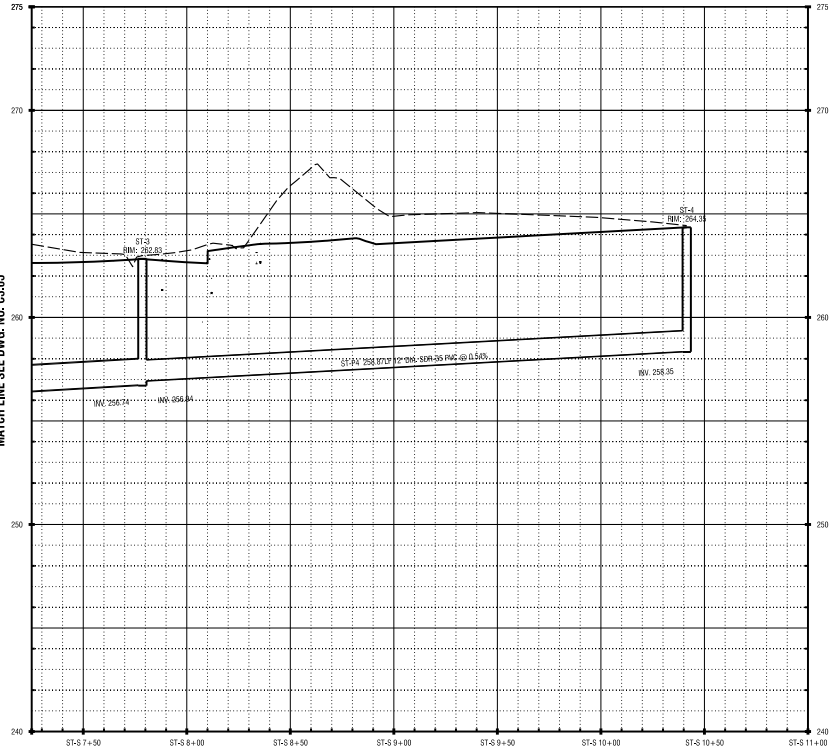
C3.05



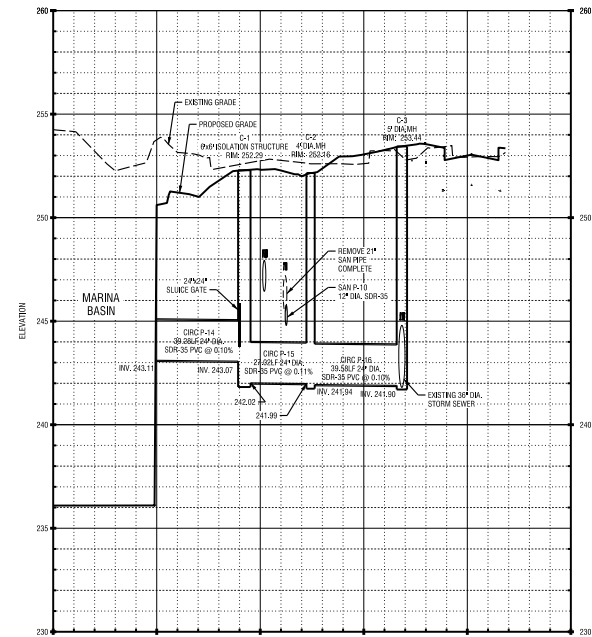
PROFILE VIEW - SOUTH
SCALE: HORIZ: 1" = 30'
VERT: 1" = 3'

MATCH LINE SEE DWG. NO. C3.06

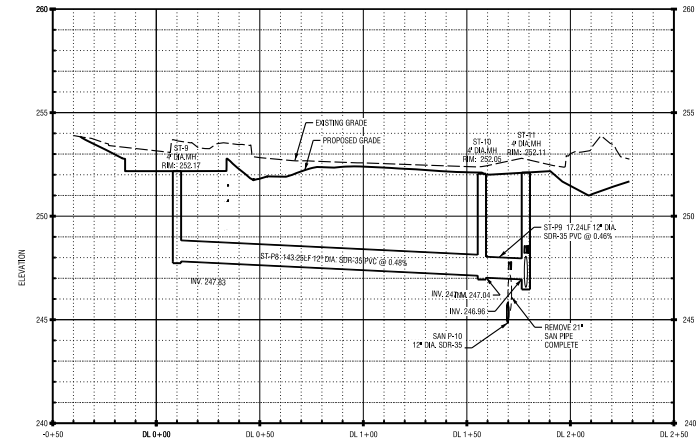
Prepared by: J. J. J. J.
 Date: 03/18/11
 Project: Port of Rochester Marina Development
 Drawing: C3.05
 Scale: 1" = 30'
 Date: 03/18/11



PROFILE VIEW - SOUTH
 SCALE: HORIZ. 1" = 30'
 VERT. 1" = 3'



PROFILE VIEW - CIRCULATION PIPE
 SCALE: HORIZ. 1" = 30'
 VERT. 1" = 3'



PROFILE VIEW - DROP OFF LOOP
 SCALE: HORIZ. 1" = 30'
 VERT. 1" = 3'

PROJECT/CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

As a Member of the New York State Office of General Services, we warrant that the work on this project was prepared in accordance with the standards of the professional services industry. We do not warrant that the work on this project was prepared in accordance with the standards of the professional services industry.

ISSUED FOR

50% DESIGN

**UTILITY PROFILES
 SOUTH STORM SEWER
 CIRCULATION PIPE
 & DROP OFF LOOP**

DATE: MARCH 18, 2011
 SCALE: 1" = 30'
 DESIGNED BY:
 DRAWN BY:
 REVIEWED BY:
 PROJECT NUMBER: 210660

DRAWING NUMBER

C3.06

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

This is a preliminary drawing and is not to be used for construction. It is for informational purposes only. The design is preliminary and subject to change. The design is preliminary and subject to change. The design is preliminary and subject to change.

ISSUED FOR

50% DESIGN

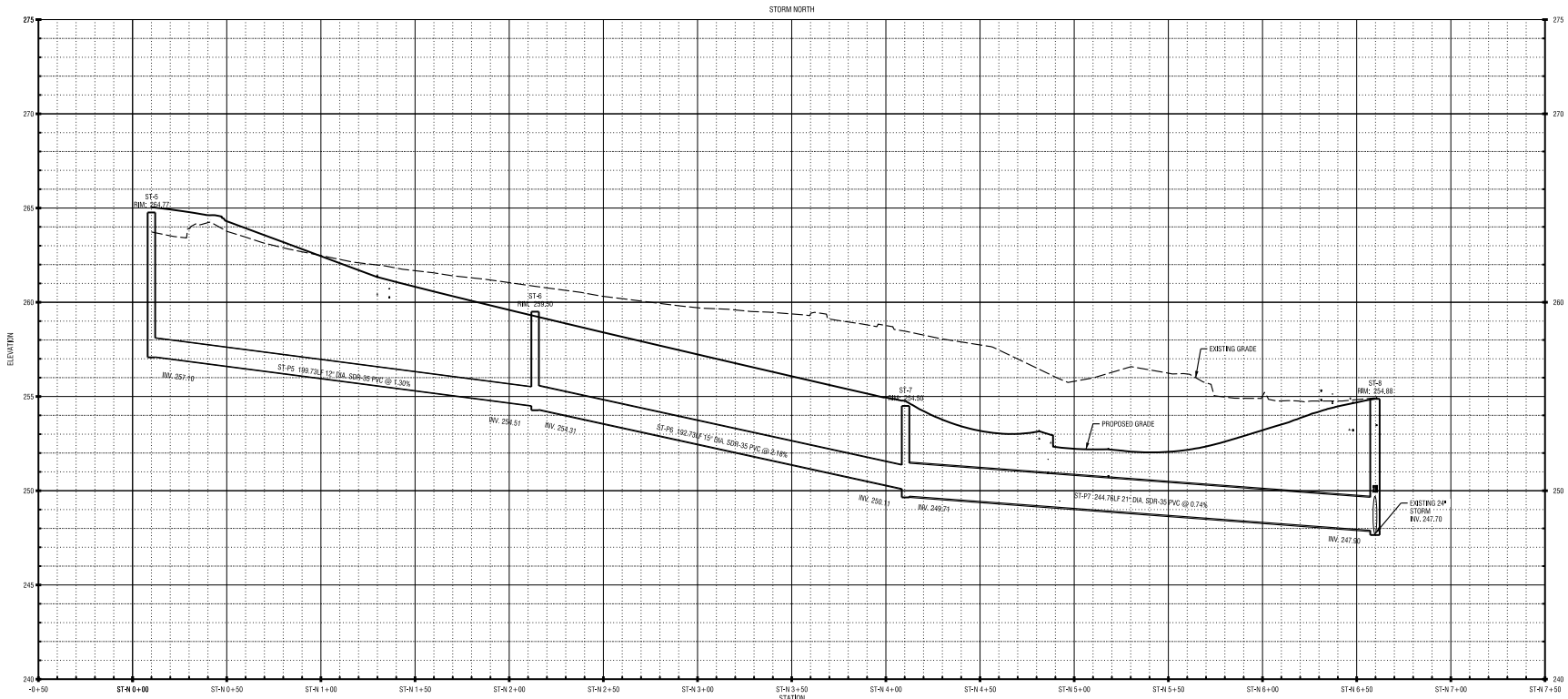
DRAWING TITLE

**UTILITY PROFILES
NORTH STORM SEWER**

DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660

DRAWING NUMBER

C3.07



PROFILE VIEW - NORTH

SCALE: HORIZ: 1" = 30'
VERT: 1" = 2'

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

This is a public drawing of the Port of Rochester Marina Development Project. It is prepared for the City of Rochester and is subject to change without notice. It is not to be used for any other purpose without the written consent of Edgewater Resources, Inc. or Labellic Associates, P.C. The City of Rochester is not responsible for any errors or omissions in this drawing. The user of this drawing assumes all liability for any use of this drawing.

ISSUED FOR

50% DESIGN

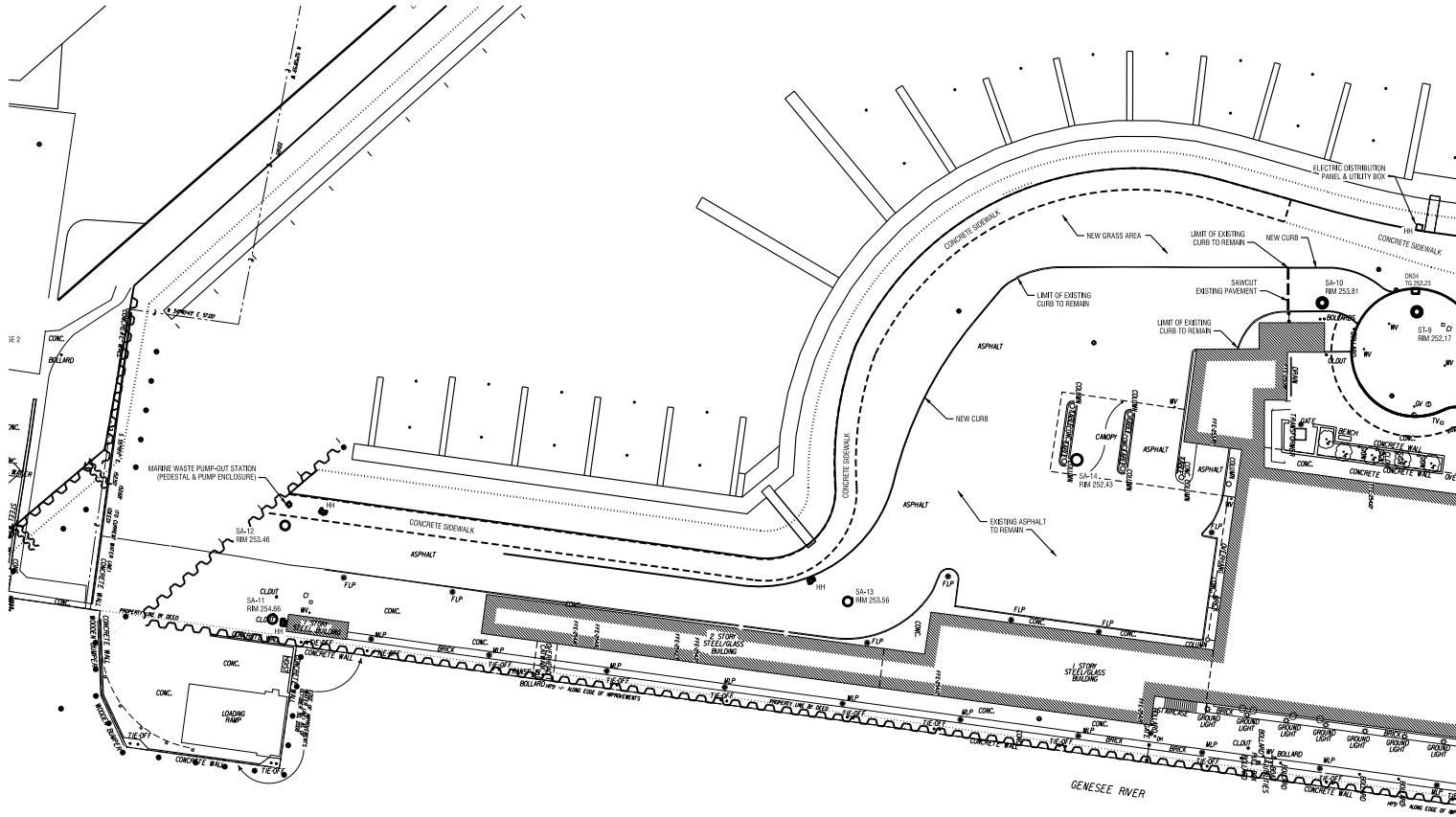
DRAWING TITLE

SITE PLAN - BOATER SERVICES BLDG.

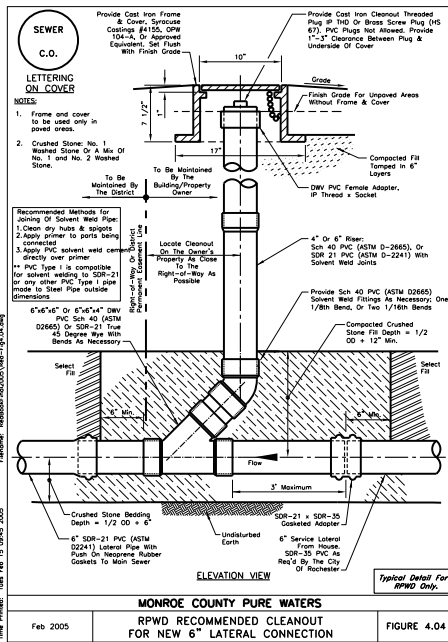
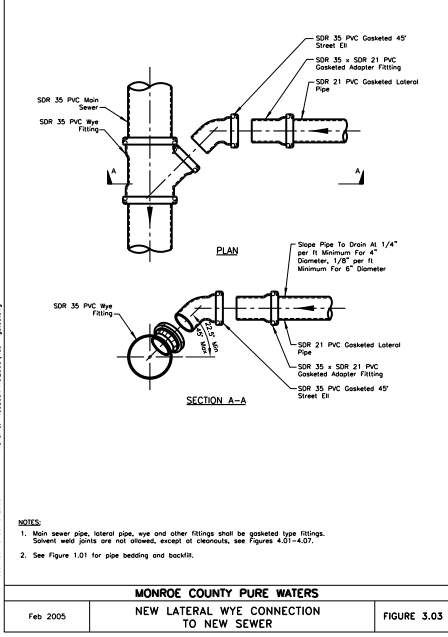
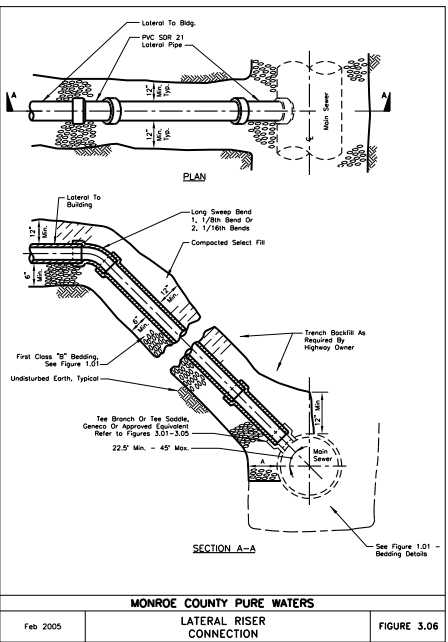
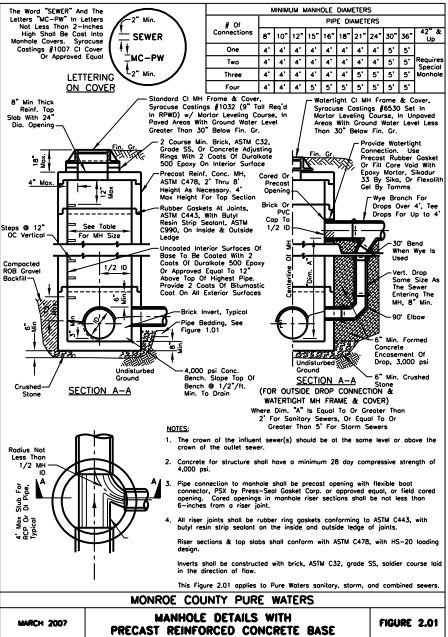
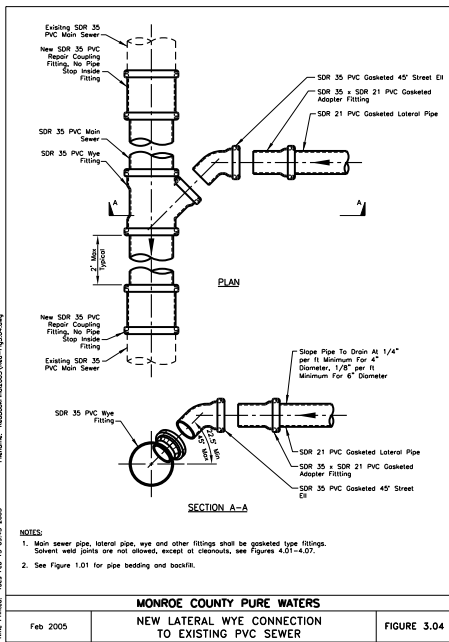
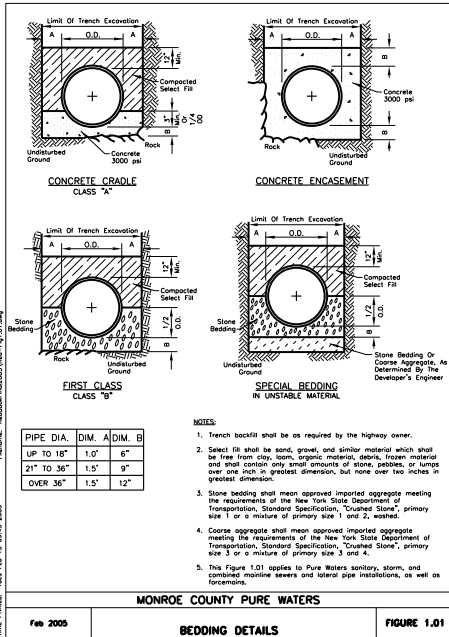
DATE:	MARCH 18, 2011
SCALE:	1" = 30'
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	21068

DRAWING NUMBER

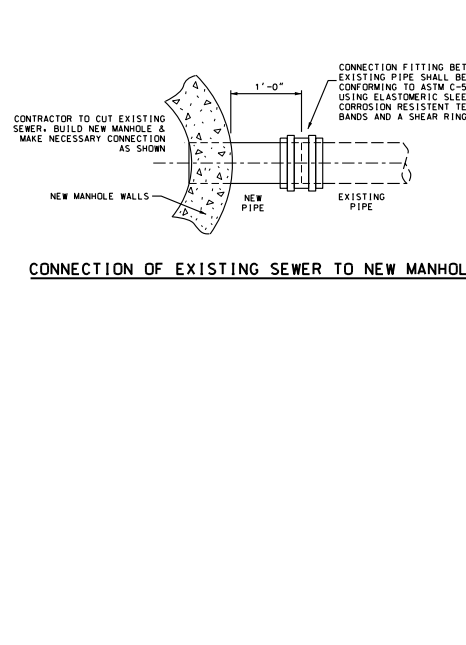
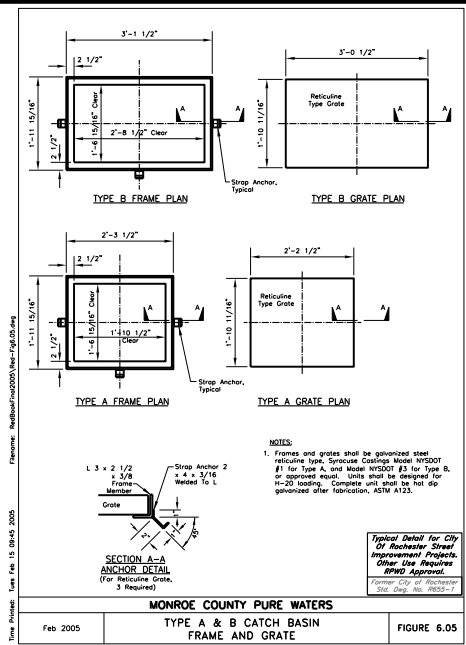
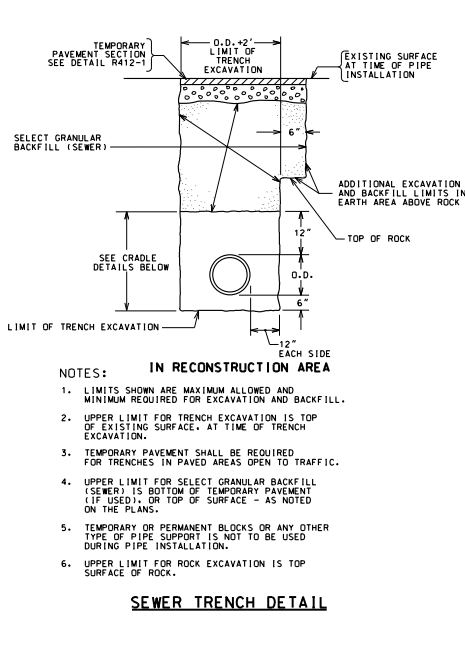
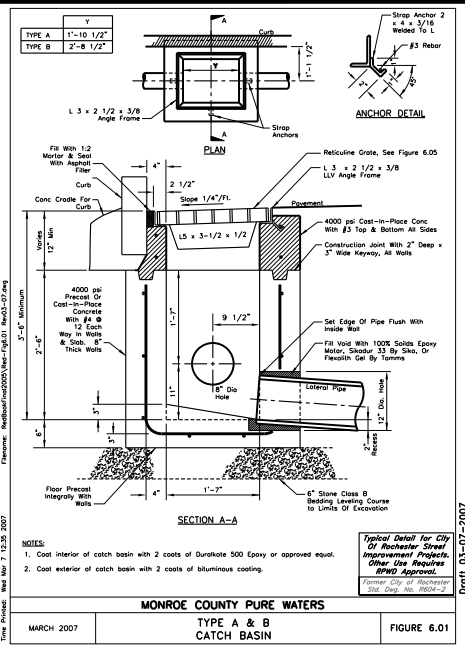
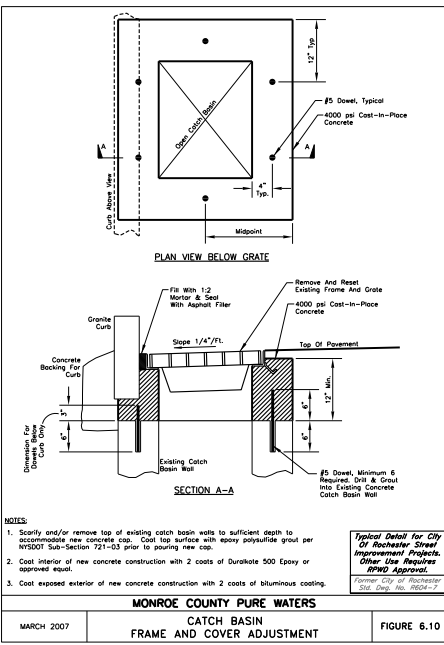
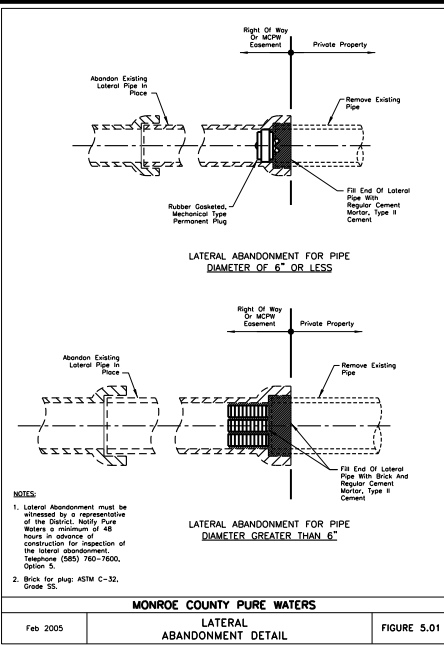
C4.01



C:\Program Files\Autodesk\AutoCAD 2011\Help\Content\DWG\C10.01 Construction Details.dwg
 DATE: 11/17/2011 10:57:31 AM
 USER: J. JOSEPH, M.I 40085
 PLOT: 11/17/2011 10:57:31 AM
 PLOTNAME: C:\Program Files\Autodesk\AutoCAD 2011\Help\Content\DWG\C10.01 Construction Details.dwg



NO.	DATE	REVISION



NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

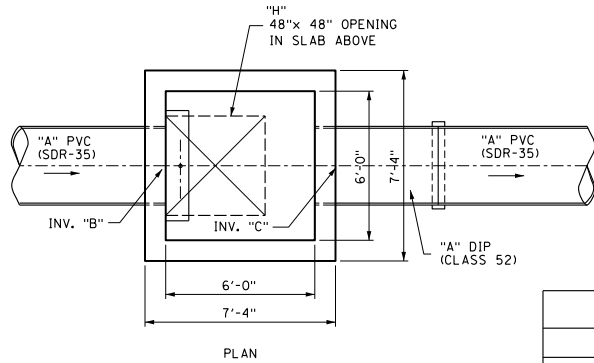
ISSUED FOR
50% DESIGN

DRAWING TITLE
CONSTRUCTION
DETAILS
STORM & SANITARY

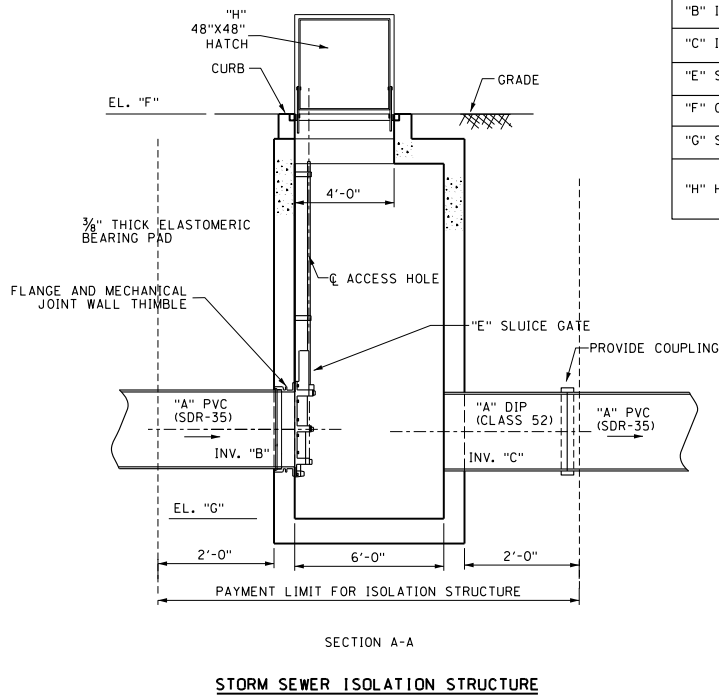
DATE: MARCH 18, 2011
SCALE: NTS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210660
DRAWING NUMBER:

C10.02

EXCEPT AS NOTED, ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE ENGINEER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE ENGINEER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING.



KEY	
	24" OUTLET
"A" PIPE SIZE	24"
"B" INV. IN	243.07
"C" INV. OUT	242.02
"E" SLUICE GATE	24"X24"
"F" GRADE ELEV.	252.29±
"G" SUMP INVERT	240.02
"H" HATCH	SYRACUSE CASTING D10-15HD-H25 (BOLTED)



STORM SEWER ISOLATION STRUCTURE

GENERAL UTILITY NOTES:

EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GUARANTEED. CONTRACTOR SHALL 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.

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.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL TO NOTIFY US SAFELY NEW YORK AT 1-800-962-7962 TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES. PROTECT EXISTING UTILITIES TO REMAIN.

**MONROE COUNTY PURE WATERS
MCPW - ROCHESTER PURE WATERS
DISTRICT SEWER NOTES:**

THIS PLAN REQUIRES APPROVAL AND ISSUANCE OF A PLUMBING PERMIT FROM THE CITY OF ROCHESTER PLUMBING DEPARTMENT.

PRIOR TO CONSTRUCTION, A SEWER CONNECTION PERMIT MUST BE OBTAINED FROM THE MONROE COUNTY PURE WATERS (MCPW) PERMIT OFFICE AT 444 EAST HENRIETTA ROAD, BUILDING 15, ROCHESTER, NEW YORK 14608-4643, PHONE # 733-7600 (OPT. 5).

THE ROCHESTER PURE WATERS DISTRICT (RPWD) MUST RECEIVE THE FOLLOWING PRIOR TO GIVING NOTICE TO PROCEED WITH SEWER CONNECTION:

A. SEWER CONNECTION PERMITS(S) CAN ONLY BE ISSUED TO A PLUMBER LICENSED IN THE CITY OF ROCHESTER AND WHO IS FULLY INSURED AND BONDED IN THE ROCHESTER PURE WATERS DISTRICT (RPWD). PAYMENT CHECK OR MONEY ORDER TO "RPWD" OF ALL APPLICABLE PERMIT FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE.

THE RPWD SHALL BE NOTIFIED FORTY-EIGHT HOURS IN ADVANCE OF A CONNECTION OR TAP. (753-7600 (OPT. 5)). THE RPWD SHALL MAKE ALL FOUR AND SIX INCH DIAMETER TAPS TO THE RPWD SEWERS.

SANITARY/STORM COMBINATION SEWER LATERALS AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE ROCHESTER PURE WATERS DISTRICT.

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 AND/OR PROPERTY LINE MUST BE STAKED OUT PRIOR TO INSTALLATION OF LOT LINE CLEANOUTS TO ENSURE PROPER LOCATION OF THE CLEANOUTS. REFER TO CLEANOUT DETAIL FOR PROPER INSTALLATION).

IF AN EXISTING LATERAL IS TO BE UTILIZED, THE PLUMBER/CONTRACTOR MUST ENSURE THAT THE LATERAL IS IN GOOD CONDITION AND IS FREE OF OBSTACLES (ROOTS, SAND, STONE, RODS, ETC.) VIA A VIDEO TAPED INSPECTION PERFORMED BY THE PLUMBER/CONTRACTOR OR HIS/HER AGENT. PRIOR TO CONNECTION, THE VIDEO TAPED INSPECTION OF THE EXISTING LATERAL MUST BE PRESENTED TO THE DISTRICT FOR REVIEW AND APPROVAL TO UTILIZE AN EXISTING LATERAL. IT IS THE RESPONSIBILITY OF THE PLUMBER OR THEIR AGENT TO CLEAN AND/OR REPLACE THE PIPE LATERAL AS NEEDED.

ANY NEW PORTION OF A SEWER LATERAL INSTALLED WITHIN THE PUBLIC RIGHT-OF-WAY AND SEWER EASEMENT MUST BE SDR-21 PVC.

ANY EXISTING LATERALS NOT JUDGED MUST BE ABANDONED TO MONROE COUNTY PURE WATERS (MCPW) STANDARDS AT THE PROPERTY LINE OR, WHERE APPLICABLE, THE SEWER EASEMENT LINE.

FLOOR DRAIN(S) IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY/COMBINATION SEWER. FLOOR DRAIN(S) DO NOT INCLUDE FOUNDATION/TOILET DRAIN(S). NOTE: ALL DISCHARGES TO THE SANITARY/COMBINATION SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR MONROE COUNTY SEWER USE LAW.

ANY PORTION OF A SEWER LATERAL WITH LESS THAN FOUR FEET (4') OF COVER WILL REQUIRE CONCRETE ENCASUREMENT, SEWER LATERALS WITH LESS THAN THREE FEET (3') OF COVER ARE NOT ALLOWED.

THE REQUIREMENTS OF THE HIGHWAY/PROPERTY OWNER SHALL BE ADHERED TO FOR ITEMS ABOVE THE PIS RECORDS, INCLUDING, BUT NOT LIMITED TO, MAINTENANCE AND PROTECTION OF TRAFFIC, BACKFILL MATERIAL AND SURFACE RESTORATION.

SANITARY AND STORM SEWER NOTES:

- LATERAL MATERIALS SHALL BE:
 - 4", 6" AND 8" PVC WITH INTEGRAL WALL AND BELL AND SPOUT RUBBER-RING JOINTS AS MANUFACTURED BY JAN PIPE, OR APPROVED EQUIVALENT, WITH A MINIMUM WALL THICKNESS OF SDR-21.
 - CAST IRON
- SEWER MATERIALS SHALL BE:
 - WITHIN RIGHT OF WAYS - PVC WITH INTEGRAL WALL AND BELL AND SPOUT RUBBER-RING JOINTS AS MANUFACTURED BY JAN PIPE, OR APPROVED EQUIVALENT, WITH A MINIMUM WALL THICKNESS OF SDR-35.
 - PRIVATE - PVC WITH INTEGRAL WALL AND BELL AND SPOUT RUBBER-RING JOINTS AS MANUFACTURED BY JAN PIPE, OR APPROVED EQUIVALENT, WITH A MINIMUM WALL THICKNESS OF SDR-35.
- ANY LATERALS ENCOUNTERED DURING EXCAVATIONS, WHICH ARE NOT DEPICTED ON THE CONSTRUCTION DOCUMENTS, SHALL BE REPORTED TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES.
- THE CONTRACTOR SHALL VERIFY EXISTING LATERALS PRIOR TO START OF UTILITY INSTALLATIONS AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES IN WRITING. CONTRACTOR SHALL VERIFY MATERIALS, SIZES, INVERTS, AND CONDITION OF EACH PROPOSED CONNECTION.



www.edgewaterresources.com
406 STATE STREET
N. JOSEPH, MI 49085
P: (269) 382-6202
F: (269) 502-2642



Relationships: Resources, Resources
www.lbellla.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-8110
F: (585) 454-3088

Engineering
Architecture
Environmental
Planning

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is the policy of the City of Rochester to provide the highest quality of services to its citizens. The City of Rochester is committed to providing the highest quality of services to its citizens. The City of Rochester is committed to providing the highest quality of services to its citizens.

ISSUED FOR
50% DESIGN

DRAWING TITLE
**CONSTRUCTION
DETAILS
STORM & SANITARY**

DATE: MARCH 18, 2011
SCALE: NTS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210669

DRAWING NUMBER

C10.03

prepared by: jld/abp
 checked by: jld/abp
 date: 03/17/2011



NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a matter of New York State law with the 100% design for projects, which are subject to the Public Access and Recreation Act (P.A.R.A.) and the State Environmental Conservation Law (S.E.C.L.). The design must be submitted to the State Department of Environmental Conservation (DEC) for review and approval. It is the responsibility of the designer to ensure that the design complies with all applicable laws and regulations. The design must be submitted to the DEC for review and approval. The design must be submitted to the DEC for review and approval. The design must be submitted to the DEC for review and approval.

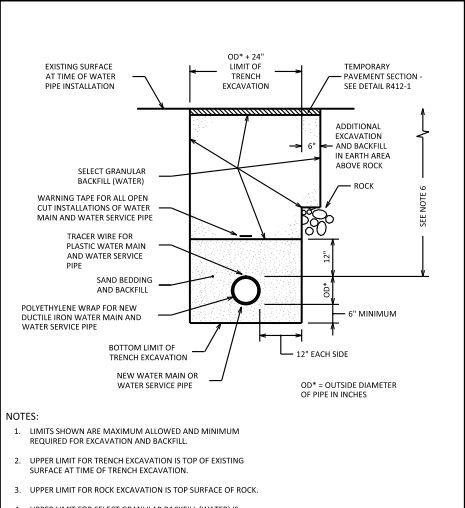
ISSUED FOR

50% DESIGN

DRAWING TITLE
CONSTRUCTION
DETAILS
WATER MAIN

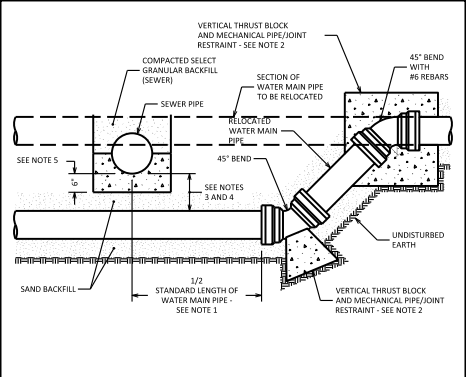
DATE: MARCH 18, 2011
SCALE: NTS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210660
DRAWING NUMBER:

C11.01



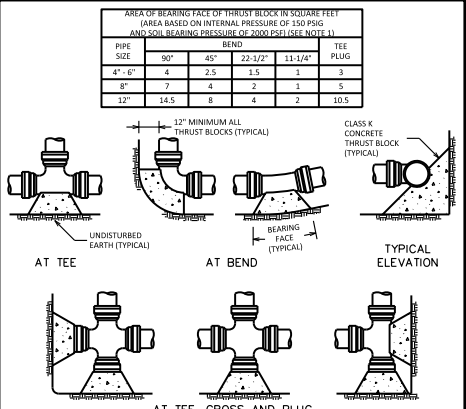
- NOTES:
- LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
 - UPPER LIMIT FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE AT TIME OF TRENCH EXCAVATION.
 - UPPER LIMIT FOR ROCK EXCAVATION IS TOP SURFACE OF ROCK.
 - UPPER LIMIT FOR SELECT GRANULAR BACKFILL (WATER) IS BOTTOM OF TEMPORARY PAVEMENT, IF USED, OTHERWISE TOP OF SURFACE.
 - TEMPORARY OR PERMANENT BLOCKS OR ANY OTHER TYPE OF PIPE SUPPORT IS NOT TO BE USED DURING PIPE INSTALLATION.
 - MINIMUM DEPTH OF COVER FOR WATER PIPE FROM TOP OF PROPOSED GRADE IS 4.50 FEET FOR DOMESTIC WATER PIPE, AND 5 FEET FOR HULLY 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:
- 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.
 - THRUST BLOCKS AND PIPE/JOINT RESTRAINTS ARE TO BE PROVIDED AT ALL BENDS, SEE DETAILS S900-5, S900-7, S900-8 AND S900-10.
 - 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.
 - 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.
 - 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.

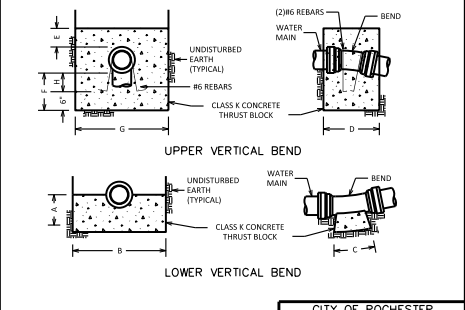
CITY OF ROCHESTER
WATER MAIN CROSSING BELOW SEWER PIPE
ISSUED 1-13-06 NON-STANDARD
REVISED 11-22-10 DWG. NO. S900-3



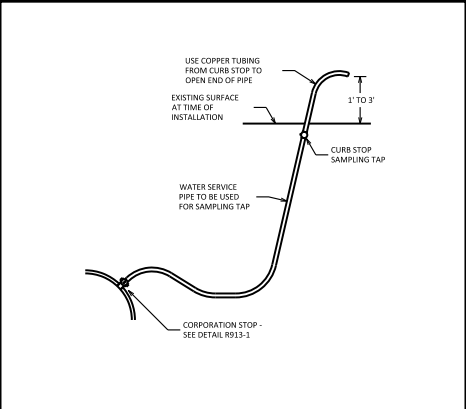
- NOTES:
- SPECIAL DESIGN IS REQUIRED FOR FITTINGS ON DOMESTIC WATER MAIN PIPE LARGER THAN 12 INCHES.
 - THRUST BLOCK IS TO BE POURED AGAINST UNDISTURBED EARTH. WIDTH OF THRUST BLOCK SHOULD BE APPROXIMATELY TWICE HEIGHT.
 - THRUST BLOCK IS TO BE INSTALLED AT ALL BENDS, PLUGS, TEES, AND TAPPING SLEEVE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

CITY OF ROCHESTER
HORIZONTAL THRUST BLOCK DOMESTIC SYSTEM
ISSUED 1-13-06 NON-STANDARD
REVISED 11-22-10 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	3.0	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°	0.25 CY	1.0	2.5	3.0	3.0	1.5	2.0	2.5	1.5
	90°	1.00 CY	1.0	2.5	2.0	2.5	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	2.2	3.0
	22-1/2"	0.90 CY	1.0	2.7	1.0	2.5	3.0	2.0	2.7	3.5
	45°	1.65 CY	1.0	2.7	3.5	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°	3.00 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



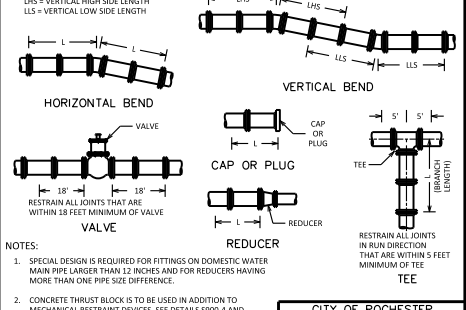
CITY OF ROCHESTER
VERTICAL THRUST BLOCK DOMESTIC SYSTEM
ISSUED 1-13-06 NON-STANDARD
REVISED 6-11-09 DWG. NO. S900-5



- NOTES:
- LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY CITY AND MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
 - IF SAMPLING TAP IS LOCATED IN PAVED AREA, SAMPLING TAP IS TO BE KEPT BELOW GROUND EXCEPT WHEN IN USE.
 - IF APPROVED BY CITY, SAMPLING TAP MAY BE LOCATED AT SAME LOCATION AS NEW WATER SERVICE.
 - 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.
 - MAXIMUM DISTANCE BETWEEN SAMPLING TAPS ON NEW WATER MAIN INSTALLATION IS 1,000 FEET.

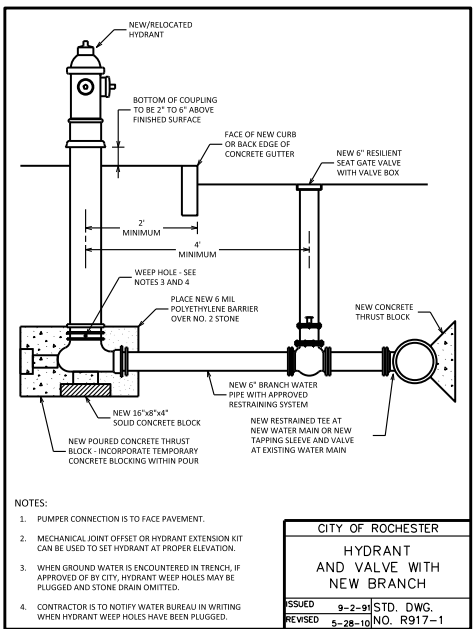
CITY OF ROCHESTER
DISINFECTION SAMPLING TAP
ISSUED 1-13-06 NON-STANDARD
REVISED 11-22-10 DWG. NO. S900-6

PIPE SIZE (INCHES)	MINIMUM LENGTH	MINIMUM RESTRAINED LENGTH FOR WATER MAIN PIPE ADJACENT TO FITTINGS (IN FEET) (BASED ON INTERNAL PRESSURE OF 150 PSI) (SEE NOTE 1)						
		90°	45°	22-1/2"	11-1/4"	REDUCER	TEE	CAP PLUG
4" - 6"	LHS	16	7	3	2	29	16	56
	LLS	16	6	3	3	---	---	---
8"	LHS	20	9	4	2	31	33	74
	LLS	20	8	4	2	---	---	---
12"	LHS	28	12	6	3	56	64	105
	LLS	28	11	5	3	---	---	---



CITY OF ROCHESTER
WATER MAIN PIPE RESTRAINT DOMESTIC SYSTEM
ISSUED 5-8-08 NON-STANDARD
REVISED 9-1-09 DWG. NO. S900-7

CORPORATION BY: JAMES H. BROWN
 ARCHITECT: C. J. WILSON
 DATE: 11/27/2011
 PROJECT: PORT OF ROCHESTER MARINA DEVELOPMENT
 DRAWING: C11.01 CONSTRUCTION DETAILS

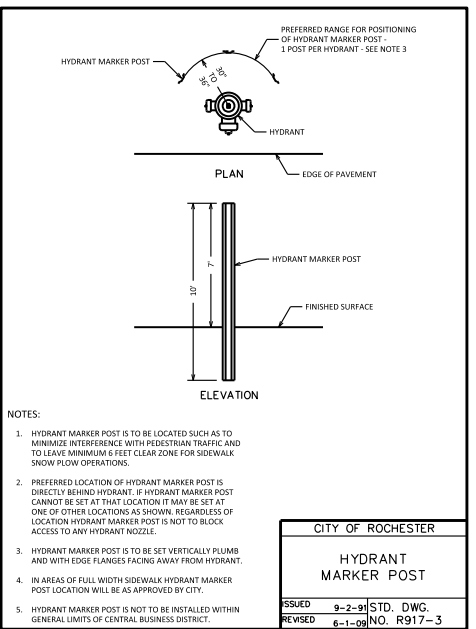


- NOTES:
- PUMPER CONNECTION IS TO FACE PAVEMENT.
 - MECHANICAL JOINT OFFSET OR HYDRANT EXTENSION KIT CAN BE USED TO SET HYDRANT AT PROPER ELEVATION.
 - WHEN GROUND WATER IS ENCOUNTERED IN TRENCH, IF APPROVED OF BY CITY, HYDRANT WEEP HOLES MAY BE PLUGGED AND STONE DRAIN OMITTED.
 - CONTRACTOR IS TO NOTIFY WATER BUREAU IN WRITING WHEN HYDRANT WEEP HOLES HAVE BEEN PLUGGED.

CITY OF ROCHESTER

HYDRANT AND VALVE WITH NEW BRANCH

ISSUED	9-2-91	STD. DWG.
REVISED	5-28-10	NO. R917-1

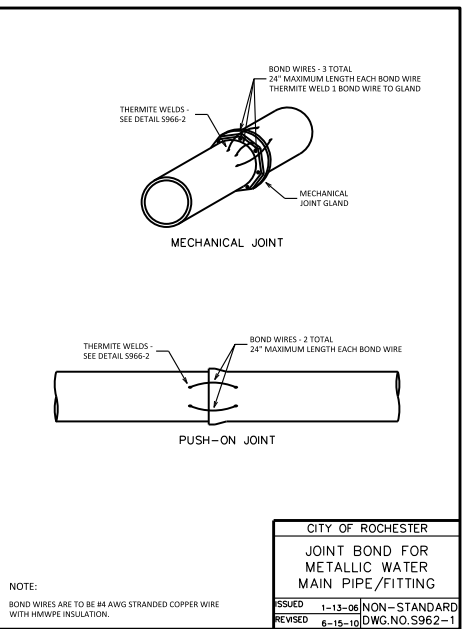


- NOTES:
- HYDRANT MARKER POST IS TO BE LOCATED SUCH AS TO MINIMIZE INTERFERENCE WITH PEDESTRIAN TRAFFIC AND TO LEAVE MINIMUM 6 FEET CLEAR ZONE FOR SIDEWALK SNOW PLOW OPERATIONS.
 - PREFERRED LOCATION OF HYDRANT MARKER POST IS DIRECTLY BEHIND HYDRANT. IF HYDRANT MARKER POST CANNOT BE SET AT THAT LOCATION IT MAY BE SET AT ONE OF OTHER LOCATIONS AS SHOWN, REGARDLESS OF LOCATION HYDRANT MARKER POST IS NOT TO BLOCK ACCESS TO ANY HYDRANT NOZZLE.
 - HYDRANT MARKER POST IS TO BE SET VERTICALLY PLUMB AND WITH EDGE FLANGES FACING AWAY FROM HYDRANT.
 - IN AREAS OF FULL WIDTH SIDEWALK HYDRANT MARKER POST LOCATION WILL BE AS APPROVED BY CITY.
 - HYDRANT MARKER POST IS NOT TO BE INSTALLED WITHIN GENERAL LIMITS OF CENTRAL BUSINESS DISTRICT.

CITY OF ROCHESTER

HYDRANT MARKER POST

ISSUED	9-2-91	STD. DWG.
REVISED	6-1-09	NO. R917-3

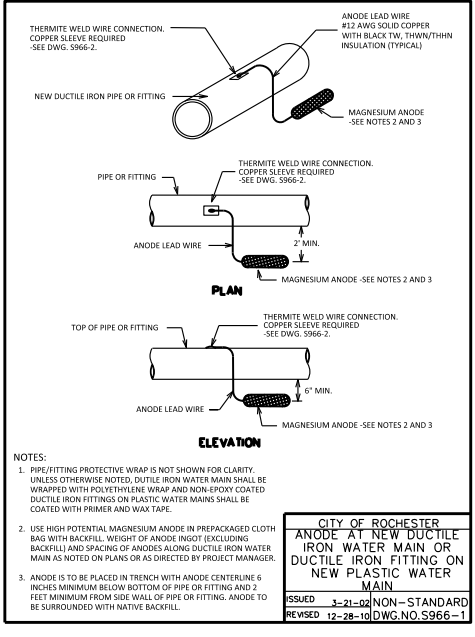


- NOTE:
- BOND WIRES ARE TO BE #4 AWG STRANDED COPPER WIRE WITH HMWPE INSULATION.

CITY OF ROCHESTER

JOINT BOND FOR METALLIC WATER MAIN PIPE/FITTING

ISSUED	1-13-08	NON-STANDARD
REVISED	6-15-10	DWG. NO. S962-1

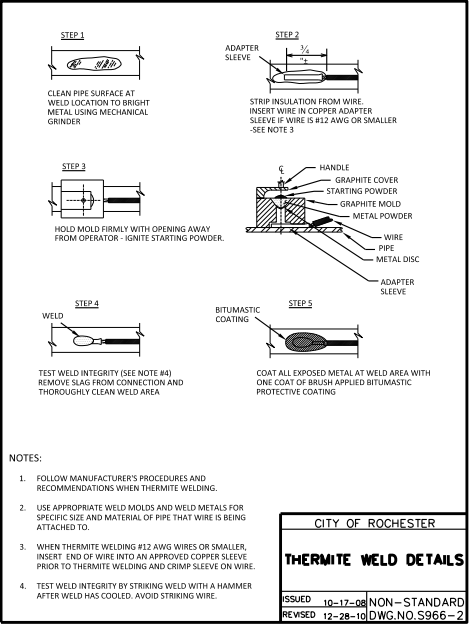


- NOTES:
- PIPE/FITTING PROTECTIVE WRAP IS NOT SHOWN FOR CLARITY. UNLESS OTHERWISE NOTED, DUCTILE IRON WATER MAIN SHALL BE WRAPPED WITH POLYETHYLENE WRAP AND NON-EPoxy COATED DUCTILE IRON FITTINGS OR PLASTIC WATER MAINS SHALL BE COATED WITH PRIMER AND WAX PAPE.
 - USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. WEIGHT OF ANODE INDOT (EXCLUDING BACKFILL) AND SPACING OF ANODES ALONG DUCTILE IRON WATER MAIN AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
 - 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	3-21-09	NON-STANDARD
REVISED	12-28-10	DWG. NO. S966-1

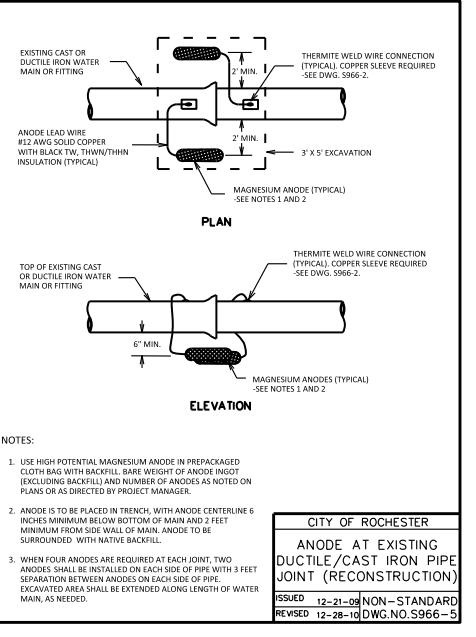


- NOTES:
- FOLLOW MANUFACTURER'S PROCEDURES AND RECOMMENDATIONS WHEN THERMITE WELDING.
 - USE APPROPRIATE WELD MOLDS AND WELD METALS FOR SPECIFIC SIZE AND MATERIAL OF PIPE THAT WELD IS BEING ATTACHED TO.
 - WHEN THERMITE WELDING #12 AWG WIRES OR SMALLER, INSERT END OF WIRE INTO AN APPROVED COPPER SLEEVE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

CITY OF ROCHESTER

THERMITE WELD DETAILS

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



- NOTES:
- USE HIGH POTENTIAL MAGNESIUM ANODE IN PREPACKAGED CLOTH BAG WITH BACKFILL. BARE WEIGHT OF ANODE INDOT (EXCLUDING BACKFILL) AND NUMBER OF ANODES AS NOTED ON PLANS OR AS DIRECTED BY PROJECT MANAGER.
 - 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.
 - 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



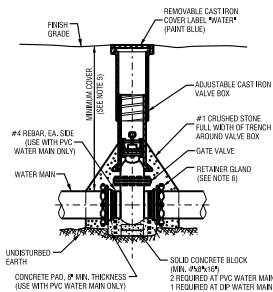
NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a matter of the City Engineer's approval and the City Engineer's approval is required for any project. The City Engineer's approval is required for any project. The City Engineer's approval is required for any project. The City Engineer's approval is required for any project.

ISSUED FOR
50% DESIGN

DRAWING TITLE
CONSTRUCTION DETAILS WATER MAIN

DATE: MARCH 18, 2011
SCALE: NTS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
PROJECT NUMBER: 210660
DRAWING NUMBER:



- NOTES:
1. VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.
 2. VALVE SHALL NOT SUPPORT VALVE BOX.
 3. BODY AND BONNET BOLTS SHALL BE STAINLESS STEEL.
 4. VALVES SHALL BE OPEN LEFT.
 5. MINIMUM COVER SHALL BE AS SHOWN ON WATER MAIN TRENCH DETAIL.
 6. RETAINER GLANDS NOT REQUIRED AT HYDRANT GUARD VALVES.
 7. GUARD VALVES SHALL BE RESTRAINED WITH ANCHOR PIPE.
 8. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

MJ GATE VALVE

NOTES:

- T-BOLT AND NUTS SHALL BE: FLOUROCARBON COATED, BLUE, BY BRIMMINGHAM FASTENER MANUFACTURING OR COE-BLUE BY NISS INDUSTRIES PER *M1 SPEC 5900*
- 22.5 DEGREE ELBOWS (A/N) SHALL BE: FULL BODY AWWA C110 OR COMPACT AWWA C102, SBR GASKETS EPOXY COATED, 0.010 THICKNESS CEMENT MORTAR LINING WITH ASPHALT COATING PER *M1 SPEC 5801*
- TYPICAL JOINT PIPE SHALL BE: CLASS 50 DOUBLE THICKNESS CEMENT LINES ASPHALT COATED SBR GASKETS, PER *M1 SPEC 5801*
- RESTRAINT DEVICE ON ALL CONNECTIONS SHALL BE: METALLOID SERIES 1100 OR UNIFORME 1400 WITH FUSION BONDED EPOXY COATING BODY AND GLANDS FLOUROCARBON COATED HARDWARE PER *M1 SPEC 5900*
- GATE VALVE MUX (A) SHALL BE: RESILIENT WEDGE AWWA C500 OPEN RIGHT STAINLESS STEEL BONNET BOLTS & NUTS GLANDS HARDWARE TO BE FLOUROCARBON COATED PER *M1 SPEC 5900*
- PIPE SAND BEDDING IN ACCORDANCE WITH DETAIL 5900-2.
- TRENCH BACKFILL ABOVE PIPE ENVELOPE SELECT GRANULAR FILL IN 8' COMPACTED LIFT *#1 CRUSHER RUN STONE.

WATER MAIN AND SERVICE NOTES:

THE WATER MAIN AND TEMPORARY BYPASS PIPE SHALL BE DEREGULATED EQUAL TO AWWA STANDARD FOR DEREGULATING WATER MAINS, DESIGNATION C901, BY USING THE CONTINUOUS FLOW METHOD, FOLLOWING DEREGULATION, 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 PREVALENT IN THE SYSTEM. THE INTERIOR OF ALL WATER MAIN PIPE, VALVES, FITTINGS AND SERVICES FOUR (4) INCHES AND LARGER, INCLUDING NEW HYDRANT BRANCHES CONNECTED TO EXISTING WATER MAINS, NOT RECEIVING 24-HOUR CHLORINE DEREGULATION CONTACT TIME MUST BE SPRAY OR SWAB DEREGULATED WITH A MINIMUM 1% - 3% SOLUTION OF CHLORINE NO MORE THAN 30-MINUTES PRIOR TO INSTALLATION. ADDITIONALLY, THE EXISTING PIPE AND FITTINGS THAT NEW PIPE AND FITTINGS WILL BE CONNECTED TO MUST BE THOROUGHLY CLEANED AND DEREGULATED. THE MAINLINE DEREGULATED AND BEEN DEREGULATED PIPES ON NEW WATER MAIN AND BYPASS PIPE SHALL BE 1000 FEET. THE SAMPLING POINT(S) MUST BE DESIGNATED BY A LICENSED PROFESSIONAL ENGINEER. PREVIOUS ARE NOT ACCEPTABLE SAMPLING POINTS. THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH (MOCPH) MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. THE CONTRACTOR SHALL CALL 585-754-5007 TO ARRANGE FOR SAMPLING SERVICES AND IS RESPONSIBLE FOR PAYING ALL MOCPH SAMPLING FEES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7305(a) OF THE EDUCATION LAW, CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DEREGULATION 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 CHLORINE, ESCHERICHIA COLI (E. COLI) AND TURBIDITY. THE WATER MAIN AND BYPASS PIPE SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE MOCPH.

UNLESS OTHERWISE NOTED OR SHOWN ON THE APPROVED PLANS, THE MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPES SHALL BE 18-INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING, ONE FULL STANDARD LANDING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH LINES WILL BE 4.5 FEET 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.

WHEN INSTALLING PIPE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF FINISHED GRADE, PRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.

THE NEW WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C900 (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 24.03 OF CITY OF ROCHESTER WATER BUREAU SPECIFICATION 5800 - GENERAL WATER PROVISIONS.

ALL NEW WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER DEPTH FROM PROPOSED FINISHED GRADE OF 4.5 FEET FOR DOMESTIC MAINS AND 5.0 FEET FOR HOLLY MAINS.

THE ROCHESTER WATER BUREAU REQUIRES THAT A HYDRANT USE PERMIT BE OBTAINED BY THE CONTRACTOR PRIOR TO USING ANY HYDRANT AS A SOURCE OF WATER SUPPLY. THE PERMIT REQUIRES THE USE OF A WATER METER AND A BACKFLOW PREVENTER. THE WATER BUREAU WILL SUPPLY A WATER METER AND BACKFLOW PREVENTER WITH THE PERMIT. THE PERMIT FEE INCLUDES A RESTORABLE DEPOSIT FOR THE USE OF THE WATER METER AND BACKFLOW PREVENTER.

FOR EXISTING VALVES AND CURB STOPS THAT ARE LOCATED ON WATER MAINS AND WATER SERVICES WHICH ARE TO BE RETAINED, THE EXISTING VALVE AND CURB BOXES SHALL BE ADJUSTED TO GRADE OR REPLACED AS SHOWN ON THE PLANS OR DIRECT BY THE PROJECT MANAGER.

FOR ALL ABANDONED WATER MAIN AND HYDRANT BRANCHES, THE CONTRACTOR SHALL PLUG ALL COUPLER AND OPEN ENDS WITH CANNERS OF CONCRETE. THE CONTRACTOR SHALL LEAVE ABANDONED MAIN LINE, HYDRANT BRANCH AND SERVICE VALVES IN THE CLOSED POSITION.

THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR WATER MAINS WHICH ARE TO BE RETAINED. NO INAPPROPRIATE EQUIPMENT IS TO BE USED OVER OR ADJACENT TO EXISTING WATER MAINS.

APPROPRIATE MEASURES SHALL BE TAKEN TO PREVENT DIRT, DEBRIS, SURFACE AND GROUND WATER FROM CONTAMINATING THE WATER MAIN. THE WATER LEVEL IN THE EXCAVATION AT OPEN PIPE ENDS SHALL NEVER BE LESS THAN 12 INCHES BELOW THE INVERT OF THE WATER MAIN, WHENEVER AN OPEN PIPE END IS LEFT UNATTENDED, IT SHALL BE COVERED IN A WATER TIGHT MANNER.

ALL GATE VALVES REQUIRE MECHANICAL JOINT RESTRAINT WITHIN 18- FEET OF THE VALVE. ALL NEW DUCTILE IRON WATER MAIN SHALL BE INSTALLED WITH POLYETHYLENE ENCASEMENT.

ALL SERVICE TAPS ON PVC/PVC WATER MAIN REQUIRE SERVICE SADDLES. STAINLESS STEEL INSERTS ARE REQUIRED ON ALL POLYETHYLENE (PE) SERVICE FITTINGS.

TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER MAINS AND WATER SERVICES.



www.edgewaterresources.com
405 STATE STREET
ST. JOSEPH, MI 49085
P: (269) 932-4502
F: (269) 932-2542



Relationships: Resources, Design
www.lbell.com
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066

- Engineering
- Architecture
- Environmental
- Planning

PROJECT CLIENT

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



City of Rochester

NO.	DATE	REVISION
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--

It is a duty of the City Engineer to see that all work done for the City of Rochester is done in accordance with the City Charter and the City Code. The City Engineer is not responsible for the design or construction of any work done by the City of Rochester. The City Engineer is not responsible for the design or construction of any work done by the City of Rochester. The City Engineer is not responsible for the design or construction of any work done by the City of Rochester.

ISSUED FOR

50% DESIGN

DRAWING TITLE

**CONSTRUCTION
DETAILS
WATER MAIN**

DATE:	MARCH 18, 2011
SCALE:	NTS
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	210660
DRAWING NUMBER:	

C11.03

C:\p\proj\01103\01103.dwg
 DATE: 03/17/2011
 TIME: 10:27:01 AM
 USER: jh
 PLOT: 03/18/2011 10:27:01 AM
 PLOTTER: HP DesignJet 2400