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Retail Signage



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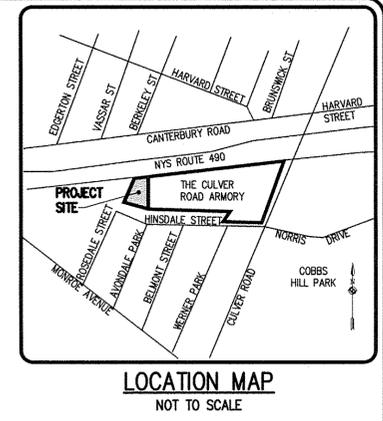
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SITE NOTES:

- EXISTING ZONING: PDD
 - TOTAL PROJECT AREA: 10.39 AC±, (LOT 3: 0.94 AC±)
 - PROPOSED USE: PROPOSED 14,000 S.F. - 1 STORY RETAIL/OFFICE USE
 - LOT SETBACKS AND STANDARDS ARE AS FOLLOWS:

MIN. LOT AREA	0.94 ACRE
MIN. LOT WIDTH @ BLDG	PER APPROVED PDD
FRONT YARD	17.5' (PER APPROVED PDD)
SIDE YARD	10 FT. (PER APPROVED PDD)
REAR YARD	10 FT. (PER APPROVED PDD)
BLDG. HEIGHT	±95 FT.
PARKING SETBACK	2 FT. TO ANY DISTRICT LINE
- PARKING
- | | |
|---|--------------------------------------|
| LOT 3 PARKING FIELDS (INCLUDING HANDICAP) | 240 SPACES (INCLUDING 4 ADA SPACES) |
| LOT 1 & 2 PARKING FIELDS (INCLUDING HANDICAP) | 364 SPACES (INCLUDING 14 ADA SPACES) |
| EXISTING GARAGE | 4 SPACES |
| TOTAL | 608 SPACES (INCLUDING 18 ADA SPACES) |
- PARKING STALL SIZE 9' X 18' (TYP.)
- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER AND THE APPROPRIATE MONROE COUNTY AND NEW YORK STATE AGENCIES, UNLESS OTHERWISE NOTED.



Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing:
It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration."

NO.	REVISIONS	DATE	BY
7			
6			
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2			
1			

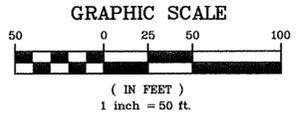
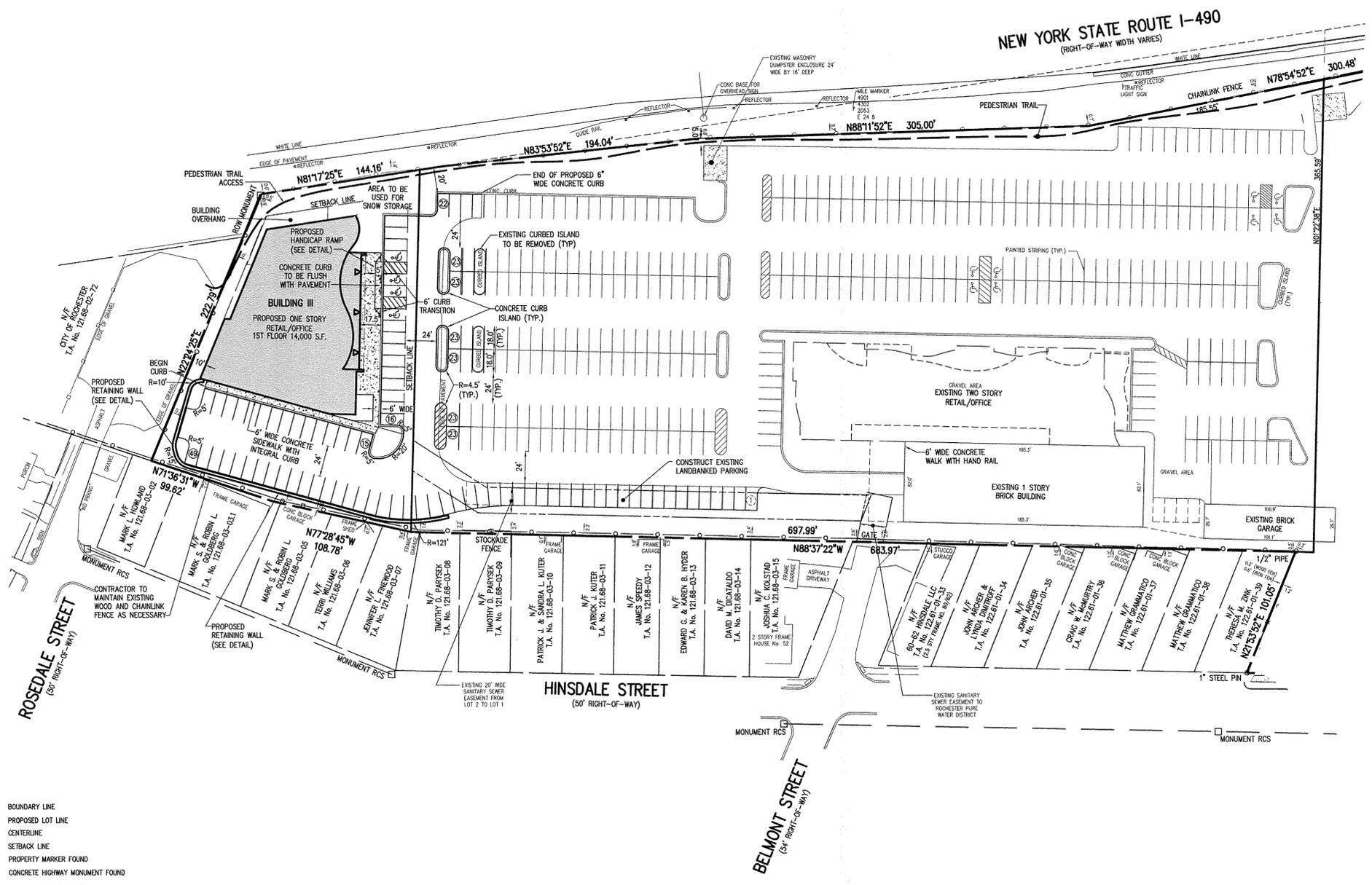
BME ASSOCIATES
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS
PHONE 585-377-7380
FAX 585-377-7389
10 LIFT BRIDGE LANE EAST
MONROE COUNTY, NEW YORK 14650
WWW.BME.COM

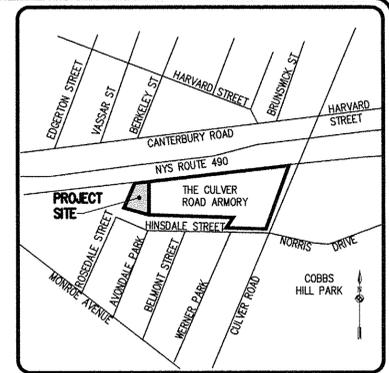


CULVER ROAD ARMORY
BUILDING 3
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
CLIENT: WHITNEY BARR ASSOCIATES, LLC
205 STATE ST., 2ND FLOOR
ROCHESTER, NY 14604

SITE PLAN

PROJECT MANAGER	DATE
D.B. ELDRED	
PROJECT ENGINEER	DATE
A. MOROZ	
DRAWN BY	DATE
R. CLUTCH	
SCALE	DATE ISSUED
1"=50'	AUGUST, 2015
PROJECT NO.	2293
DRAWING NO.	29





LOCATION MAP
NOT TO SCALE

Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145 Section 7208 and applies to this drawing:
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation referred to followed by his signature and the date of such alteration, and a specific description of the alteration."

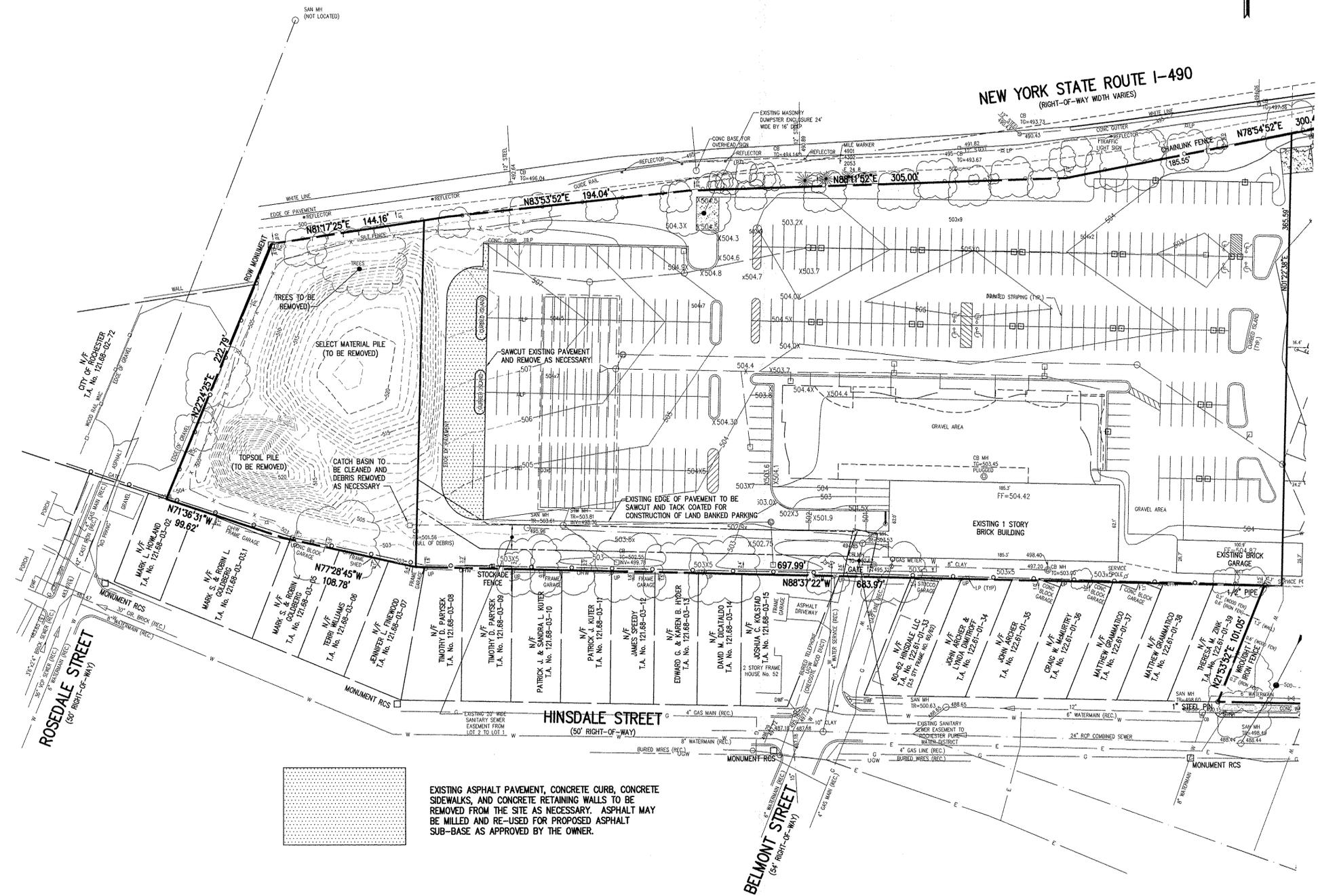
NO.	REVISIONS	DATE	BY
7			
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BME ASSOCIATES
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS
PHONE 585-377-7500
FAX 585-377-7509
15415 FORT ANSELDT
ROCHESTER, NEW YORK 14650
WWW.BMEPCOM



CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
WINSTY BARD ASSOCIATES, LLC.
280 ST. PAUL ST. SUITE 210
EXISTING CONDITIONS & DEMO PLAN

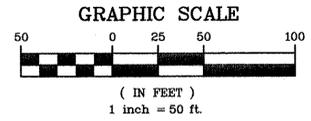
PROJECT	LOCATION	CLIENT	DRAWING TITLE
PROJECT MANAGER	DATE	PROJECT ENGINEER	DATE
A. MOROZ		R. GLITCH	
DRAWN BY	DATE	SCALE	DATE ISSUED
		1"=50'	AUGUST, 2015
PROJECT NO.	DRAWING NO.		
2293	30		



EXISTING ASPHALT PAVEMENT, CONCRETE CURB, CONCRETE SIDEWALKS, AND CONCRETE RETAINING WALLS TO BE REMOVED FROM THE SITE AS NECESSARY. ASPHALT MAY BE MILLED AND RE-USED FOR PROPOSED ASPHALT SUB-BASE AS APPROVED BY THE OWNER.

LEGEND

- BOUNDARY LINE
- - - - PROPOSED LOT LINE
- CENTERLINE
- SETBACK LINE
- PROPERTY MARKER FOUND
- △ CONCRETE HIGHWAY MONUMENT FOUND
- - - - EXISTING EASEMENT LINE
- - - - PROPOSED EASEMENT LINE



6/2/2015 (Wednesday) 2:03:53 PM

UTILITY NOTES:

- 1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER, THE APPROPRIATE AGENCIES (E.G. MONROE COUNTY PURE WATERS, AND THE MONROE COUNTY HEALTH DEPARTMENT) UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL LOCATE, MARK, CATER, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION. FOR DEEPER AND SURVEY DATA ON THE CONTROL MONUMENTS, CALL THE MONROE COUNTY GEOLOGIC SURVEY OFFICE.
3. THE DEVELOPER'S AND CONTRACTOR'S ATTENTION IS DIRECTED TO LOCAL LAW NO. 6 OF 1971 REGARDING LIABILITY INCURRED THROUGH DISTURBANCES OR DESTRUCTION OF GEOLOGIC SURVEY MONUMENTS.
4. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE UPO HOTLINE AT (800)962-7962 FOR STAKE-OUT OF EXISTING UTILITIES.
5. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS.
6. THE PROPOSED WATER SERVICE AND APPURTENANCES TO BE CONSTRUCTED TO THE MOST RECENT STANDARDS AND SPECIFICATIONS OF CITY OF ROCHESTER WATER BUREAU.
7. ALL WATERMANS SHALL HAVE A MINIMUM OF 4.5' OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL CUT STAKES BEFORE BEGINNING TO INSURE THAT ALL INSTALLED WATERMANS WILL HAVE THE REQUIRED COVER.
8. SANITARY SEWER PIPE TO BE PVC SDR-35 OR AS NOTED ON THE PLANS.
9. ALL SANITARY SEWERS AND LATERALS TO BE CONSTRUCTED IN COMPLIANCE WITH THE SPECIFICATIONS AND SEWER POLICY OF MONROE COUNTY PURE WATERS AND THE CITY OF ROCHESTER.
10. FLOOR DRAINS TO BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OF FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUNDWATER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR MONROE COUNTY SEWER USE LAW.
11. INFILTRATION AND EXFILTRATION SHALL BE LIMITED TO 100 GALLONS PER INCH DIAMETER OF PIPE PER 24 HOURS OF SANITARY SEWERS. IF AN AIR TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM-C-828-86, ENTITLED "STANDARD PRACTICE FOR LOW PRESSURE AIR TEST OF VITRIFIED CLAY PIPE LINES". SANITARY MANHOLES SHALL BE TESTED FOR EXFILTRATION.
12. THE FOLLOWING TESTS SHALL BE PERFORMED ON PVC SANITARY SEWER PIPE:
A) DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACK FILL HAS BEEN IN PLACE AT LEAST 30 DAYS.
B) NO PIPE SHALL EXCEED A SIX DEFLECTION.
C) IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO SIX (6) TIMES THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
13. STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) OR AS NOTED ON THE PLAN.
14. ALL LATERALS OR SERVICES SHALL BE AS NOTED BELOW UNLESS OTHERWISE NOTED ON THE PLANS.
SANITARY: 6" PVC SDR-35
STORM: 6" PVC SDR-35
WATER: 6" INCH PVC DR-14 C-900.
15. FOR WATERMAIN CONSTRUCTION, ALL MECHANICAL JOINT FITTINGS, TEES, BENDS, PLUGS, ETC. SHALL BE BACKED WITH 2,500 PSI CONCRETE THRUST BLOCKS.
16. WATER METERS ARE TO BE LOCATED ON THE INTERIOR OF EXTERIOR WALLS IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING ON METERED SERVICES REQUIRING A 1/2 INCH OR LARGER METER, A BY-PASS AROUND THE METER IS REQUIRED.
17. HYDRANT FLOW TEST PERFORMED BY ROCHESTER BUREAU OF WATER ON HINSDALE STREET.
STAND. PRESSURE: 64 PSI
RESIDUAL PRESSURE: 40 PSI
FLOW AT 20 PSI: 2,850 GPM
FLOW AT 150 PSI: 1,750 GPM
DATE: 6-28-10

WATER MAIN AND SERVICE NOTES:

- 1. ALL NEW WATER MAIN 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.
2. 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 FEE INCLUDES A REFUNDABLE DEPOSIT FOR THE USE OF THE WATER METER AND BACKFLOW PREVENTER.
3. 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 BOWES SHALL BE ADJUSTED TO GRADE OR REPLACED AS SHOWN ON THE PLANS OR DIRECTED BY THE PROJECT MANAGER.
4. FOR ALL ABANDONED WATER MAIN AND HYDRANT BRANCHES, THE CONTRACTOR SHALL PLUG ALL CUT AND OPEN ENDS WITH 12-INCHES OF CONCRETE. THE CONTRACTOR SHALL LEAVE ABANDONED MAIN LINE, HYDRANT BRANCH AND SERVICE VALVES IN THE CLOSED POSITION.
5. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR WATER MAINS WHICH ARE TO BE RETAINED. NO VIBRATORY EQUIPMENT IS TO BE USED OVER OR ADJACENT TO EXISTING WATER MAINS.
6. 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 IS LEFT UNATTENDED, IT SHALL BE COVERED IN A WATER TIGHT MANNER.
7. ALL GATE VALVES REQUIRE MECHANICAL JOINT RESTRAINT WITHIN 18- FEET OF THE VALVE.
8. ALL NEW DUCTILE IRON WATER MAIN SHALL BE INSTALLED WITH POLYETHYLENE ENCASEMENT.
9. ALL SERVICE TAPS ON PVC/PVDC WATER MAIN REQUIRE SERVICE SADDLES.
10. STAINLESS STEEL INSERTS ARE REQUIRED ON ALL POLYETHYLENE (PE) SERVICE FITTINGS.
11. TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER MAINS AND WATER SERVICES.

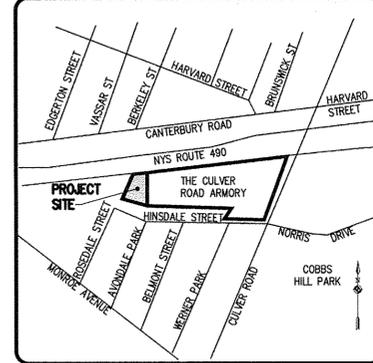
MONROE COUNTY DEPARTMENT OF HEALTH STANDARD WATER MAIN EXTENSION NOTES:

- 1. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTING, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE WATER MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM.
ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.
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 NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(B) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL 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. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
3. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF THE FINISHED GRADE, FIRE HYDRANT WEIR HOLES (DRAINS) SHALL BE PLUGGED.
4. THE WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.

STANDARD SANITARY SEWER EXTENSION NOTES:

- 1. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM DESIGNATION C828-86 ENTITLED PRACTICE FOR LOW-PRESSURE AIR TEST OF VITRIFIED CLAY PIPE LINES. SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO. 15 (REVISED).

- 1. This plan requires approval and issuance of a plumbing permit from the CITY OF ROCHESTER PLUMBING DEPARTMENT.
2. The Rochester Pure Waters District (RPWD) must receive the following prior to giving notice to proceed with sewer construction:
A letter of credit in the amount of the engineer's estimate for the storm/sanitary/combination sewer construction.
Stop drawings/certification letters/test reports for all materials to be used for the storm/sanitary/combination sewer construction. The documents must be approved by the contractor, engineer and RPWD prior to construction.
3. The Rochester Pure Waters District shall be notified, in writing, seven (7) working days in advance of mobilize sewer construction, and forty-eight (48) hours in advance of lateral (connection) installation, or District-supplied top. The DEVELOPER, or his/her AGENT, shall verify the scheduling of all work the day prior to actual work with a phone call to the DISTRICT (753-7600 Option 5).
4. Prior to a lateral (service) connection and installation, a SEWER CONNECTION PERMIT must be obtained from the Monroe County Pure Waters (MCPW) 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; easements to the RPWD are executed (if applicable), an as-built is furnished to and accepted by the RPWD; and, the RPWD has approved and accepted 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 time of permit issuance. Payment must be made by check or money order payable to the RPWD.
5. Storm/Sanitary/Combination sewers, laterals, and appurtenances shall be constructed in conformance with the Requirements of the Rochester Pure Waters District.
6. If an existing lateral is to be utilized, the plumber/contractor must ensure that the lateral is in good condition and is free of debris (dirt, mud, stone roots, 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 builder or their agent to clean and/or replace the pipe/lateral as needed.
7. The manhole sewer pipes and associated fittings shall be PVC SDR-35 conforming to ASTM D-3034. The sewer service laterals and associated fittings shall be PVC SDR-21 conforming to ASTM D-2241. Joints on horizontal portions shall be push-on neoprene gaskets. Gued or chemically welded joints will only be allowed at, and are required for, the eye fitting and for riser portions of the sewer cleanout. For a sewer cleanout, the riser and appropriate fittings shall be Schedule 40 PVC pipe conforming to ASTM D-2665.
8. Spacing between sewer manholes shall not exceed three hundred feet (300').
9. 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. To ensure easement, right-of-way and/or property line must be staked out prior to installation of lot line cleanouts to assure proper location of the cleanouts. Refer to cleanout detail for proper installation.
10. Any portion of a sewer and/or lateral with less than four-feet (4') of cover will require concrete encasement. Sewers/Laterals with less than three-feet (3') of cover are not allowed.
11. Elevations of basements will be such to allow gravity flow of basement fixtures to the sanitary/combination sewer, wherever possible.
12. 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 (Great Lakes-Upper Mississippi River Board of the State Public Health and Environment Monitors) (i.e., 10 States Standards) will be replaced with at least the recommended minimum slopes at the expense of the DEVELOPER or his/her AGENT.
13. Floor drains, if constructed, shall be connected to the sanitary/combination sewer. Floor drains do not include foundation or footer drains. Note: All discharges to the sanitary/combination sewer must comply with the effluent limits of the local and/or Monroe County Sewer Use Law.
14. Effiltration and/or infiltration for sewers shall be limited to 100 gallons per day, per mile of pipe, per inch diameter for storm sewers. Testing shall be performed in accordance with RPWD procedures.
15. Deflection tests shall be performed on all flexible pipe. The test shall be conducted after all final backfill has been in place at least thirty (30) days. No pipe shall exceed a deflection of five percent (5%). If the deflection test is to be run using a rigid ball or mandrel, it shall have a minimum diameter equal to ninety-five percent (95%) of the inside diameter of the pipe. The test shall be performed without mechanical pulling devices.
16. Sewers shall be closed-circuit video taped in accordance with RPWD standards.
17. "AS-BUILT" drawings shall be furnished to the RPWD. The "AS-BUILT" plans shall indicate the exact location of all sewers, manholes, eye branches, laterals, and cleanouts as well as lengths and slopes of pipes. Elevations of all sewer manhole rims and inverts and lateral depths at property lines or RPWD easement lines shall also be shown.
18. The requirements of the highway owner/property owner shall be adhered to for items above the pipe bedding, including, but not limited to, maintenance and protection of traffic, backfill material and surface restoration.



Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145 Section 7203 and applies to this drawing.
It is the violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall file to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

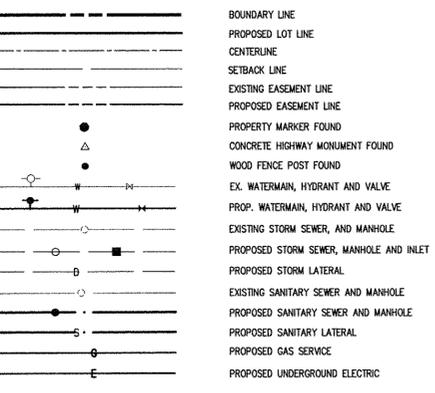
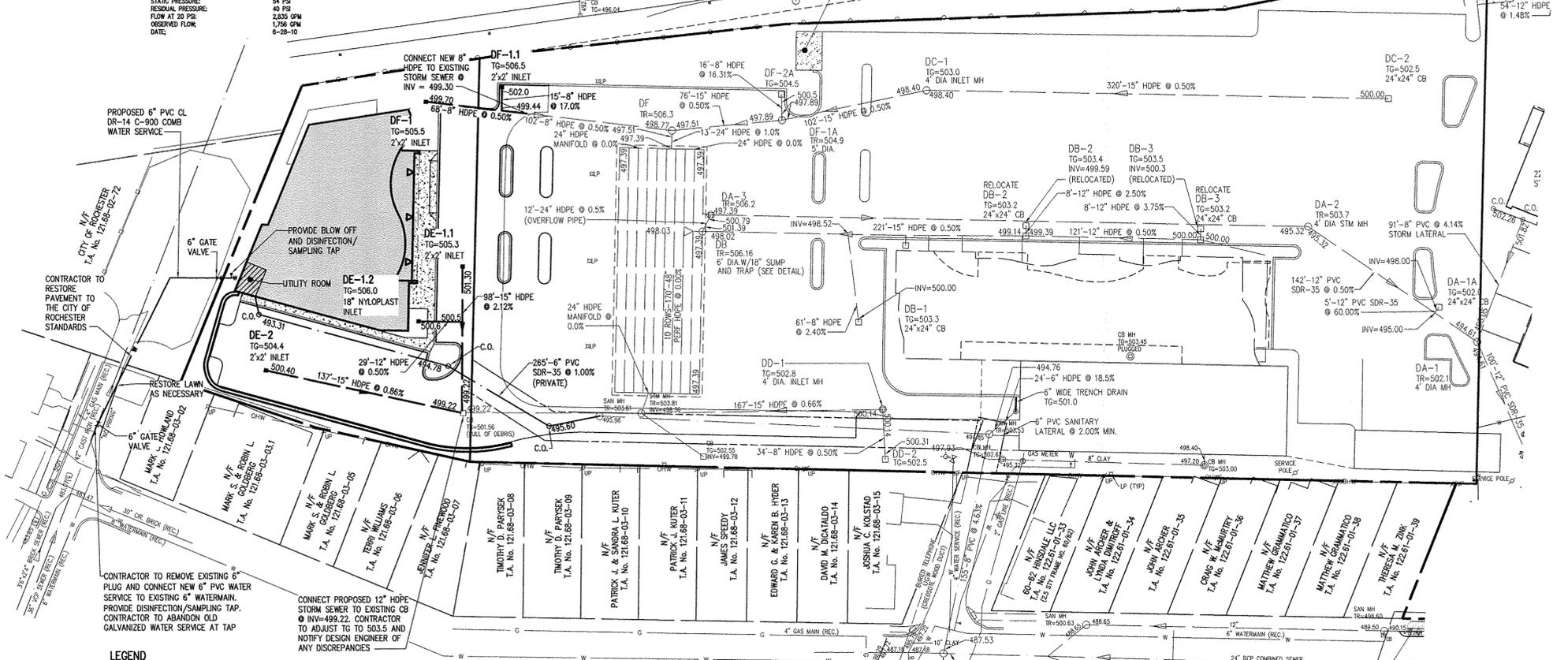
Table with 3 columns: NO., REVISIONS, DATE. Rows 1-7.

BME ASSOCIATES
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FAIRPORT, NEW YORK 14450
WWW.BMEPCOM



CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
HARVEY BARD ASSOCIATES, LLC.
205 ST. PAUL ST. SUITE 210

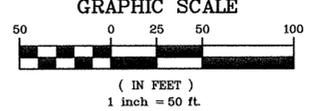
UTILITY PLAN
PROJECT: PROJECT MANAGER: DATE:
LOCATION: D.B. ELDRD
CLIENT: PROJECT ENGINEER: DATE:
DRAWN BY: R. GLITCH
SCALE: DATE ISSUED:
1"=50' AUGUST, 2015
PROJECT NO. 2293
DRAWING NO. 31



1. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES AND POINTS OF CONNECTION BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS.
2. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORDS PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE UPO HOTLINE AT 1-800-962-7962 FOR STAKE-OUT OF EXISTING UTILITIES.

APPROVALS
BY: ROCHESTER CITY PLUMBING DEPARTMENT DATE:
BY: ROCHESTER CITY WATER BUREAU DATE:

ROCHESTER PURE WATERS DISTRICT:
MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
THESE PLANS FOR PUBLIC WATER SYSTEM EXTENSION / IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO 10NYCRRS OF THE STATE SANITARY CODE SUBJECT TO CONDITIONS OF APPROVAL.
DIRECTOR OF PUBLIC HEALTH
BY: PUBLIC HEALTH ENGINEER DATE:

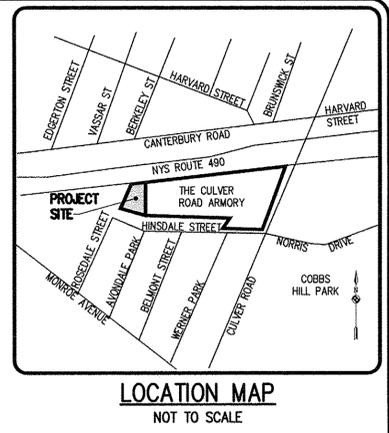


PHELPS AND CORHAM PURCHASE, TOWNSHIP 13, RANGE 7, TOWN LOT 44, TAX ACCOUNT NUMBERS 12168-03-01 & 12261-01-18

P:\2293\Drawings\2293_13.dwg

GRADING NOTES:

- BUILDINGS SHOWN ON THIS PLAN ARE GRAPHICAL REPRESENTATIONS ONLY. NO RESTRICTION IS INTENDED AS TO SIZE OR LOCATION OTHER THAN APPLICABLE ZONING REQUIREMENTS.
- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
- EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORDS PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE UPPO HOTLINE AT 1-800-962-7962 FOR STAKE-OUT OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET THE EXISTING CONDITIONS.
- THE OWNER WILL BE RESPONSIBLE FOR IMPLEMENTING THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN, INCLUDING THE FILING OF A "NOTICE OF INTENT" PRIOR TO CONSTRUCTION START. THE OWNER, HIS CONTRACTOR, SUB-CONTRACTORS AND ALL OTHERS ASSOCIATED WITH THE IMPLEMENTATION OF THIS PLAN SHALL BE FAMILIAR WITH THE PLAN AND THE CONDITIONS OF THE NYSDEC GENERAL PERMIT GP-0-10-001 FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- ALL LOAD BEARING FILL SHOULD BE COMPACTED IN LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 (STANDARD PROCTOR) AND/OR PER THE RECOMMENDATION OF A GEOTECHNICAL ENGINEER.



Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145 Section 2208 and applies to this drawing:
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way. If on item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation, altered by followed by his signature and the date of such alteration, and a specific description of the alteration."

NO.	REVISIONS	DATE
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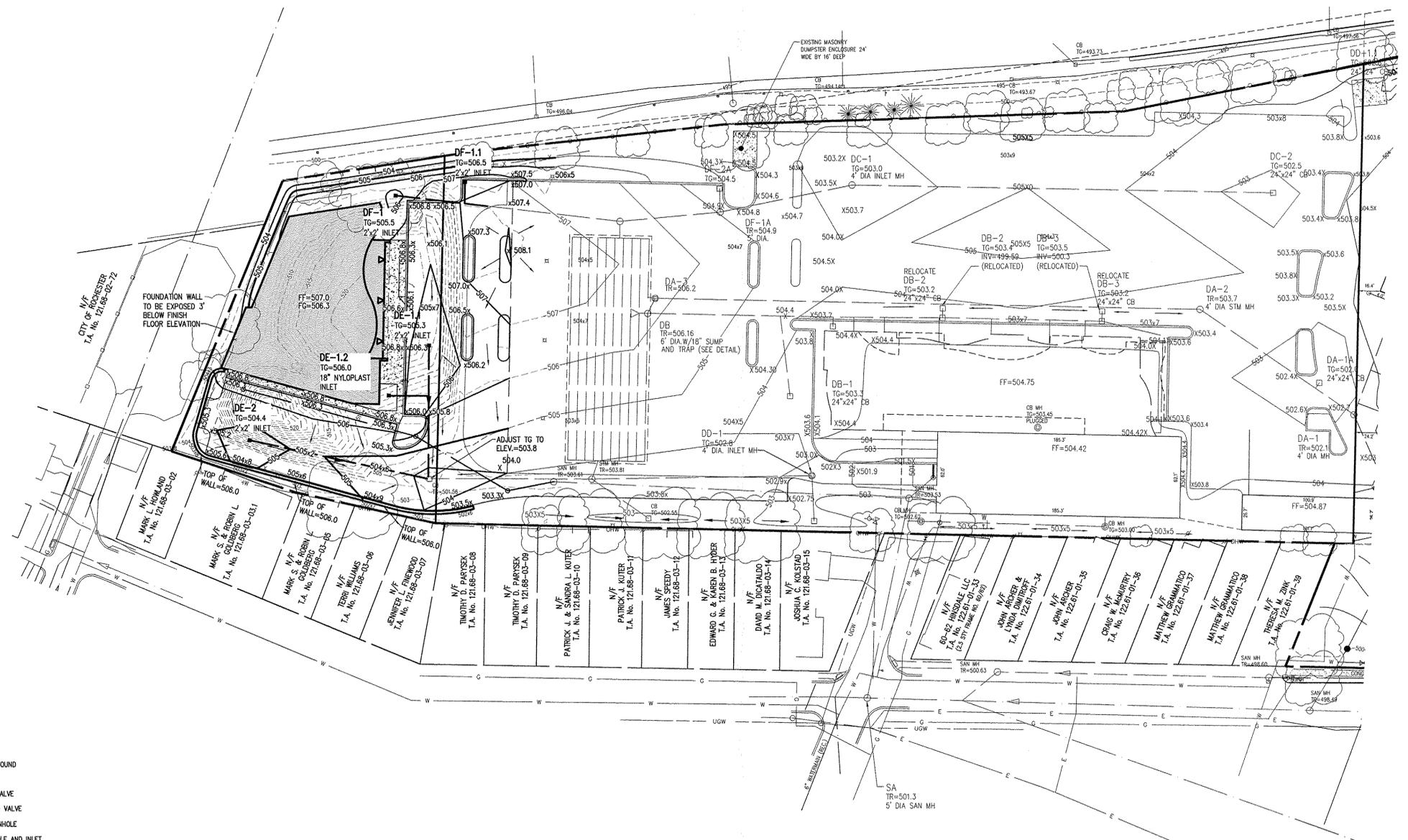
BME ASSOCIATES
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS
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101 WEST BRIDGE LANE EAST
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CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
WHITNEY BARD ASSOCIATES, LLC
205 ST. PAUL ST. SUITE 210
ROCHESTER, NY 14602

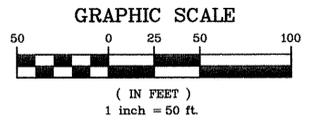
PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT MANAGER	DATE
D.B. ELDRD	
PROJECT ENGINEER	DATE
A. MOROZ	
DRAWN BY	DATE
R. GLITCH	
SCALE	DATE ISSUED
1"=50'	AUGUST, 2015
PROJECT NO.	
2293	
DRAWING NO.	
32	



LEGEND

- BOUNDARY LINE
- - - - PROPOSED LOT LINE
- CENTERLINE
- - - - SETBACK LINE
- PROPERTY MARKER FOUND
- △ CONCRETE HIGHWAY MONUMENT FOUND
- △ WOOD FENCE POST FOUND
- EX. WATERMAIN, HYDRANT AND VALVE
- PROP. WATERMAIN, HYDRANT AND VALVE
- EXISTING STORM SEWER, AND MANHOLE
- PROPOSED STORM SEWER, MANHOLE AND INLET
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING TREELINE
- PROPOSED TREE LINE
- EXISTING CONTOUR
- DESIGN GRADES FROM PHASE 1 CONSTRUCTION
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED FINISHED GRADE



PHELPS AND GORHAM PURCHASE, TOWNSHIP 13, RANGE 7, TOWN LOT 44, TAX ACCOUNT NUMBERS 121.68-03-01 & 122.61-01-18

CONSTRUCTION EROSION CONTROL NOTES:

1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONSISTS OF THE PROJECT PLANS, INCLUDING THE GRADING, CONSTRUCTION EROSION CONTROL PLAN AND DETAIL SHEET, AND THE CITY OF ROCHESTER DESIGN AND CONSTRUCTION SPECIFICATIONS REGARDING STORMWATER CONTROL. THE SWPPP FOR THIS PROJECT IS INTENDED TO CONFORM WITH NYSDEC GENERAL PERMIT GP-0-10-001.
2. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP. THE OWNER'S CONTRACTOR, SUB-CONTRACTOR AND ALL OTHERS ASSOCIATED WITH THE IMPLEMENTATION OF THE PLAN SHALL BE FAMILIAR WITH THE PLAN AND THE CONDITIONS OF THE NYSDEC GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
3. ANY MODIFICATIONS OR DEVIATIONS FROM THE SWPPP, INCLUDING EROSION CONTROL MEASURES SHALL BE DOCUMENTED BY THE OWNER WITH THE ENGINEER AND THE CITY OF ROCHESTER.
4. THE OWNER IS RESPONSIBLE FOR FILING THE NOTICE OF INTENT (NOI) FOR CONSTRUCTION ACTIVITY WITH NYSDEC PRIOR TO COMMENCING ANY CONSTRUCTION. A COPY OF THE NOI SHALL BE KEPT ON-SITE AND PROVIDED TO THE MUNICIPALITY.
5. CONTRACTOR TO INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE PRIOR TO STARTING CONSTRUCTION.
6. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION.
7. ALL DISTURBED AREAS TO BE RECLAIMED WITH A MINIMUM OF 6" TOPSOIL.
8. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:
 THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER. IMMEDIATELY FERTILIZE WITH 300 LBS PER ACRE (OR 7 LBS. PER 1000 SQ. FT.) OF 10-10-10 FERTILIZER. IMMEDIATELY SEED WITH THE FOLLOWING MIX:

	LBS/ACRE	LBS/1000 SQ. FT.
ANNUAL RYE GRASS	40	1
PERENNIAL RYEGRASS	40	1
OATS	40	1
WHITE CLOVER (+INOCULANTS)	4	0.1

 SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.
9. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:

	LBS/ACRE	% BY PURITY	%GERM
PERENNIAL RYE GRASS	35	85	85
RED FESCUE	35	97	80
KENTUCKY BLUEGRASS	30	87	80

 SEEDING RATE: 6.0 LBS PER 1,000 SQ. FT.
 MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TACKIFIER
 STARTING FERTILIZER: 5-10-10 AT 20 LBS PER SQ. FT.

10. SLOPES 3:1 OR GREATER SHALL BE SEEDED WITH HEAVY MULCH AND MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. SLOPES SHALL BE FINE GRADED WITH A MINIMUM OF 6" TOPSOIL AND SEEDED WITH FOLLOWING SEED MIX:

	LBS/ACRE	% BY PURITY	%GERM
PENNICFT CROWNVEICH	40	98	85
BIRDFOOT TREFLOIL	15	98	90
TALL FESCUE	20	90	85

 SEEDING RATE: 75 LBS PER ACRE
 LIME: RATE OF 1,000 LBS PER ACRE AS NECESSARY BY THE MANUFACTURER (FOR HYDROSEEDING USE FOUR TIMES MANUFACTURER'S RATE RECOMMENDED RATE)
 MULCH: STRAW OR WOOD FIBER MULCH USED WITH A HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TACKIFIER.

	LBS/ACRE	% BY PURITY	%GERM
PENNICFT CROWNVEICH	40	98	85
BIRDFOOT TREFLOIL	15	98	90
TALL FESCUE	20	90	85

SEEDING RATE: 75 LBS PER ACRE
 LIME: RATE OF 1,000 LBS PER ACRE AS NECESSARY BY THE MANUFACTURER (FOR HYDROSEEDING USE FOUR TIMES MANUFACTURER'S RATE RECOMMENDED RATE)
 MULCH: STRAW OR WOOD FIBER MULCH USED WITH A HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TACKIFIER.

11. ALL SEEDED AREAS ARE TO BE MONITORED FOR GERMINATION AND EROSION. ERODED AREAS ARE TO BE BACKFILLED, FINE GRADED AND RE-SEEDED. AREAS THAT FAIL TO GERMINATE A MINIMUM OF 75% SHALL BE RE-SEEDED.
12. ANY EXCAVATIONS THAT MUST BE DEWATERED SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE BEFORE ENTERING AN ACTIVE DRAINAGE SYSTEM OR DISPersed TO AN UNDISTURBED AREA.
13. THE OWNER SHALL BE RESPONSIBLE FOR REMOVING EXISTING EROSION CONTROL MEASURES THAT ARE LOCATED WITHIN ESTABLISHED AREAS. MATERIALS ARE TO BE DISPOSED OF PROPERLY.
14. UPON COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION THE OWNER MAY FILE A NOTICE OF TERMINATION (NOT) WITH NYSDEC PER THE REQUIREMENTS OF THE GENERAL PERMIT GP-0-10-001. PLEASE NOTE THAT THE MSA MUST SIGN THE NOTICE OF TERMINATION.

SEQUENCE OF CONSTRUCTION STEPS:

STEP 1: (SITE PREPARATION)

- INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION STAGING AREA (SEE DETAIL).
- CLEAR AS REQUIRED FOR PERIMETER SILT FENCE INSTALLATION.
- REMOVE EXISTING AND INSTALL PERIMETER SILT FENCE.
- CLEAR AND GRUB SITE AS NECESSARY.

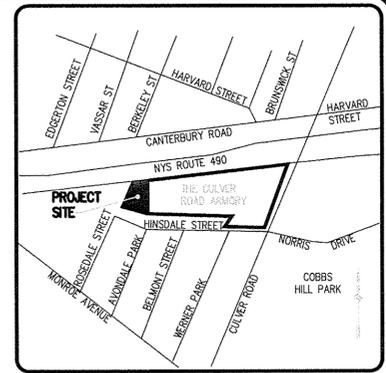
STEP 2: (CONSTRUCTION ACTIVITY)

- EXISTING AND REMAINING STOCKPILED FILL TO BE REMOVED FROM THE SITE AS NECESSARY IN BUILDING AREAS, AND PARKING AREAS.
- COMMENCE MASS GRADING OPERATIONS. INSTALL ADDITIONAL EROSION CONTROL MEASURES INCLUDING STONE CHECK DAMS, AND TEMPORARY SEDIMENT TRAPS. MEASURES TO BE MAINTAINED BY THE CONTRACTOR UNTIL GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE CITY/GOVERNING AGENCY. CONTRACTOR TO SEED AND MULCH DISTURBED AREAS WITHIN 7 DAYS OF COMPLETION.
- CONTRACTOR TO RE-TOPSOIL, FINE GRADE, MULCH AND SEED SLOPE AREAS IMMEDIATELY AFTER COMPLETION OF ROUGH GRADING. SILT FENCE TO BE INSTALLED AT THE TOE OF SLOPE.
- COMPLETE EARTHWORK, INCLUDING FINE GRADING OF SLOPES. SLOPES TO BE REPLACED WITH 6" OF TOPSOIL, MULCHED AND SEEDED WITHIN 7 DAYS OF COMPLETION.
- SEED AND MULCH ALL DISTURBED AREAS WITHIN 7 DAYS IF NOT WORKED WITHIN 7 DAYS, AS REQUIRED BY GP-0-10-001. SEED WITH A SEED MIX AS INDICATED, AND PROVIDE MULCH AS SPECIFIED IN THE NOTES.

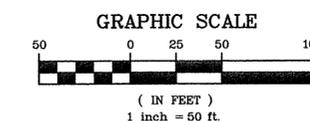
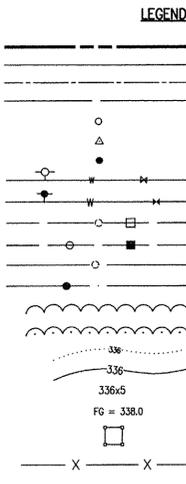
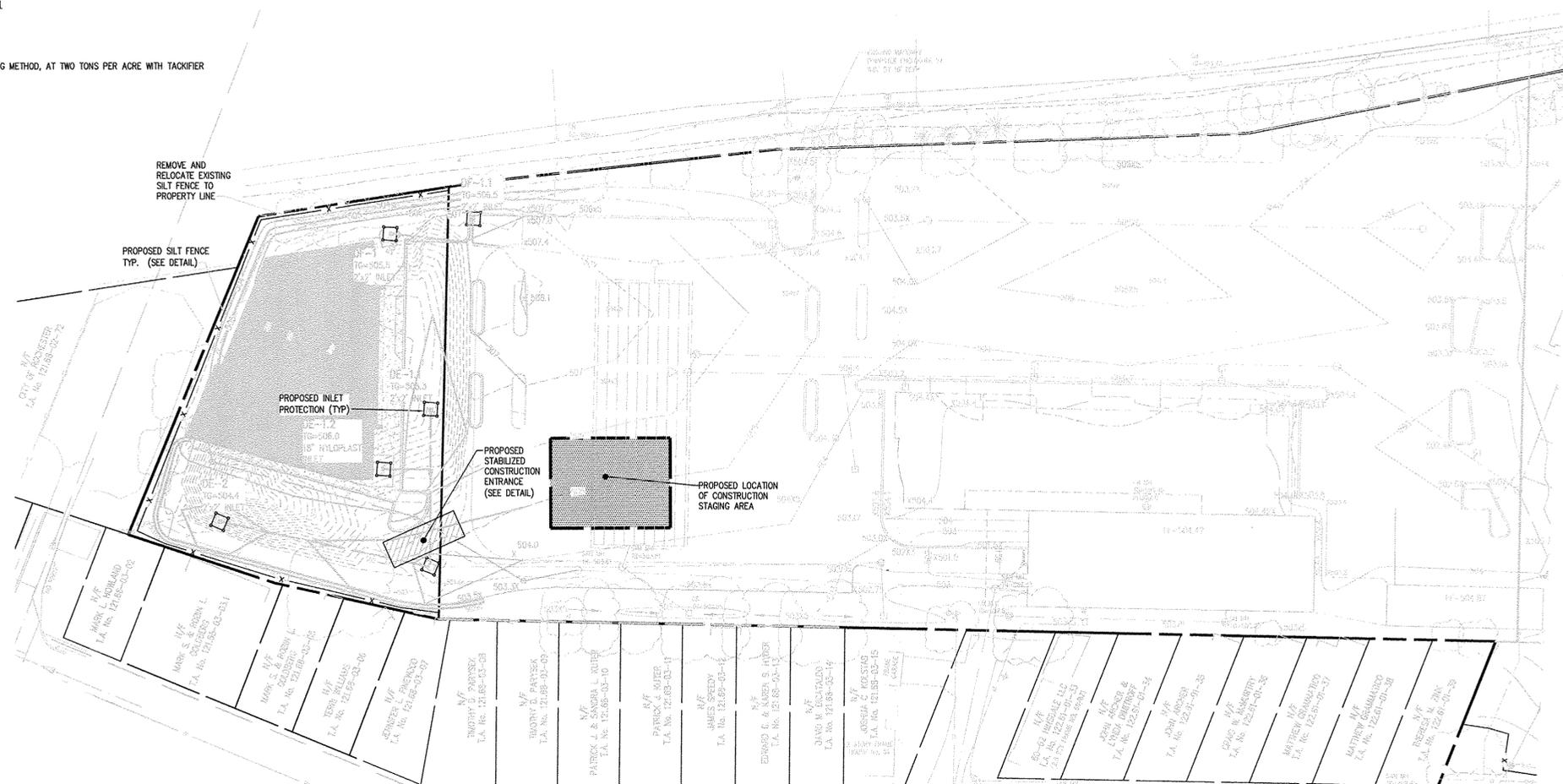
SEQUENCE OF CONSTRUCTION STEPS- CONTINUED

STEP 3: (STABILIZATION & MONITORING)

- COMPLETE INSTALLATION OF UNDERGROUND UTILITIES AND ROAD BOX. RESTORE AND RE-SEED RIGHT-OF-WAY AREAS AS NEEDED.
- INSTALL CURB AND PAVEMENT WITH EROSION CONTROL MEASURES AS NECESSARY TO MINIMIZE SILT DISTRIBUTION ON EXISTING AND CONSTRUCTED ROADWAYS.
- MONITOR STORMWATER DETENTION FACILITY AND SEDIMENT TRAPS DURING CONSTRUCTION OPERATIONS FOR SILT ACCUMULATION. CONTRACTOR TO CLEAN AS NECESSARY.
- MAINTAIN PERIMETER SILT FENCE
- SEE CONSTRUCTION EROSION CONTROL NOTES FOR REQUIRED SEED MIXES.
- DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE CITY OR OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING ROADWAYS AND DRAINAGE CHANNELS FREE OF MUD, DIRT, AND DEBRIS. THE CONTRACTOR WILL CLEAN THESE AREAS AS NECESSARY OR AS REQUIRED BY THE OWNER OR CITY OF ROCHESTER.



LOCATION MAP
NOT TO SCALE



Drawing Alteration
 The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing.
 "It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration."

NO.	REVISIONS	DATE	BY
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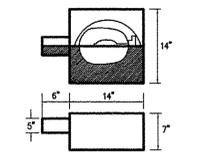
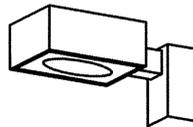
BME ASSOCIATES
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 10 LIFT BRIDGE LANE EAST
 FARMINGTON, NEW YORK 14450
 WWW.BMEPCORP.COM
 PHONE 585-377-7260
 FAX 585-377-7309



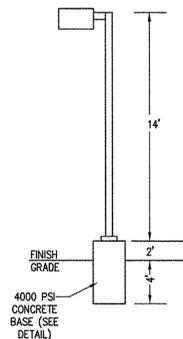
CULVER ROAD ARMORY
 BUILDING 3
 CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
 PROJECT MANAGER: D.B. ELDRD
 PROJECT ENGINEER: A. MOROZ
 DRAWN BY: R. GLITCH
 SCALE: 1"=50'

CONSTRUCTION EROSION CONTROL PLAN

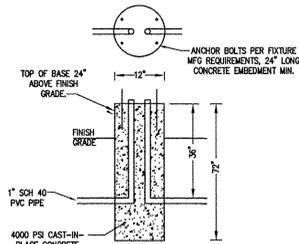
PROJECT MANAGER	DATE
D.B. ELDRD	
PROJECT ENGINEER	DATE
A. MOROZ	
DRAWN BY	DATE
R. GLITCH	
SCALE	DATE ISSUED
1"=50'	AUGUST, 2015
PROJECT NO.	
2293	
DRAWING NO.	
33	



LIGHT FIXTURE DETAIL
N.T.S.



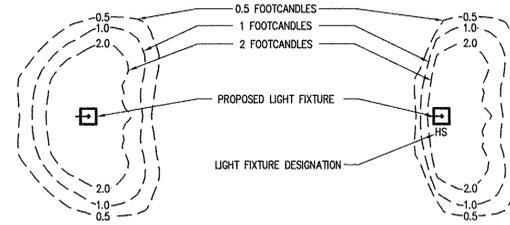
LIGHT POLE DETAIL
N.T.S.



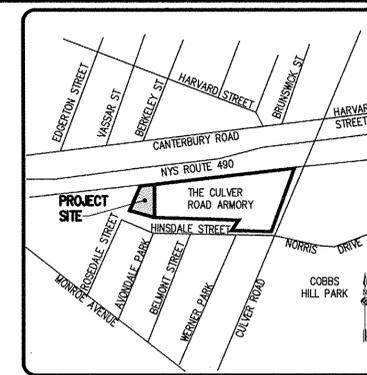
LIGHT POLE BASE DETAIL
N.T.S.

LIGHTING NOTES:

1. PROPOSED PARKING LOT LIGHTING TO BE PROVIDED AS DETAILED IN LIGHTING SCHEDULE.
2. SITE LIGHTING TO BE A 18" SQUARE FULL CUTOFF LUMINAIRE WITH 175 WATT PULSE START METAL HALIDE BULB AND BRONZE PAINT FINISH WITH BUTTON PHOTOCONTROL. (OR APPROVED EQUIVALENT)
3. POLE TO BE THOMAS EMCO STAIGHT STEEL POLE THOMAS EMCO CAT # SSS-18-4-11-BPR (BRONZE PAINT FINISH).
4. PROVIDE 4 LIGHT POLES WITH ELECTRIC OUTLETS. LOCATIONS TO BE DETERMINED BY OWNER.
5. SITE LIGHTING TO BE SUPPLEMENTED WITH BUILDING MOUNTED LIGHTING. REFER TO ARCHITECTURAL PLANS FOR DETAILS.



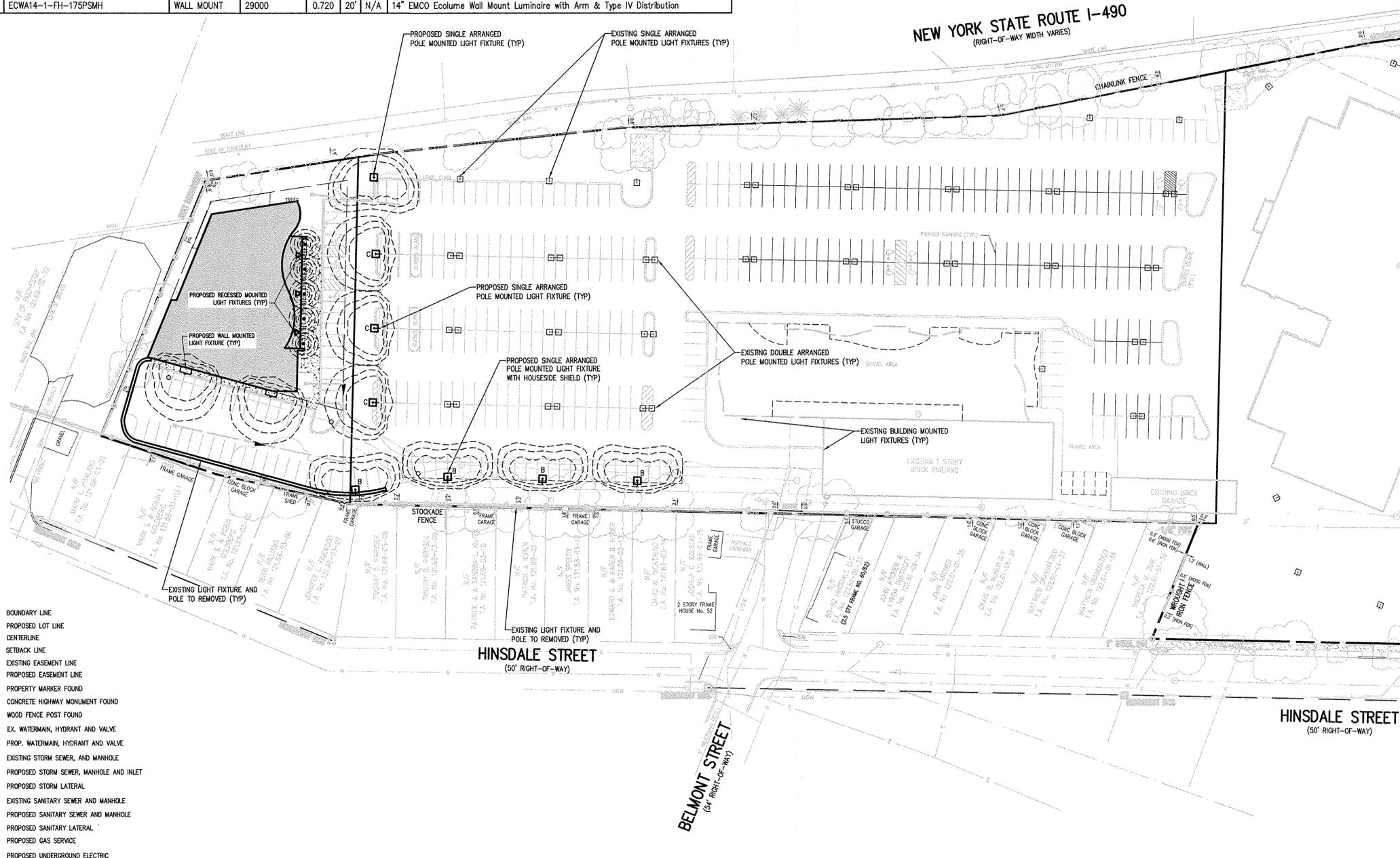
TYPICAL ISOFOOTCANDLE LEVELS
N.T.S.



LOCATION MAP
NOT TO SCALE

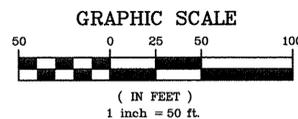
LUMINAIRE SCHEDULE

SYMBOL	QTY	CATALOGUE NUMBER	ARRANGMENT	LUMENS/LAMP	LLF	MH	POLE DESCRIPTION
●	5	REAL6 D6 BN-ESL-600L-30K-60SC	RECESSED	600	0.800	14'	N/A Lithonia Lighting Reclity Series 6" LED Module
⊠A	4	ECA14-1-3H-175PSMH	SINGLE	29000	0.720	20' 18"	14" EMCO Ecolume Luminaire with Type III Distribution
⊠B	4	ECA14-1-3H-175PSMH-HS	SINGLE	29000	0.720	20' 18"	14" EMCO Ecolume Luminaire with Type III Distribution & Internal House Side Shield
⊠C	3	ECA14-1-FH-175PSMH	SINGLE	29000	0.720	20' 18"	14" EMCO Ecolume Luminaire with Type IV Distribution
⊠	2	ECWA14-1-FH-175PSMH	WALL MOUNT	29000	0.720	20' N/A	14" EMCO Ecolume Wall Mount Luminaire with Arm & Type IV Distribution



LEGEND

- BOUNDARY LINE
- - - - PROPOSED LOT LINE
- — — CENTERLINE
- — — SETBACK LINE
- - - - EXISTING EASEMENT LINE
- - - - PROPOSED EASEMENT LINE
- ▲ PROPERTY MARKER FOUND
- △ CONCRETE HIGHWAY MONUMENT FOUND
- WOOD FENCE POST FOUND
- EX. WATERMAIN, HYDRANT AND VALVE
- PROP. WATERMAIN, HYDRANT AND VALVE
- — — EXISTING STORM SEWER, MANHOLE AND INLET
- — — PROPOSED STORM SEWER, MANHOLE AND INLET
- — — PROPOSED STORM LATERAL
- — — EXISTING SANITARY SEWER AND MANHOLE
- — — PROPOSED SANITARY SEWER AND MANHOLE
- — — PROPOSED SANITARY LATERAL
- — — PROPOSED GAS SERVICE
- — — PROPOSED UNDERGROUND ELECTRIC



Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing:
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if on item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall file to this item his seal and the notation "altered by followed by his signature and the date of such alteration, and a specific description of the alteration."

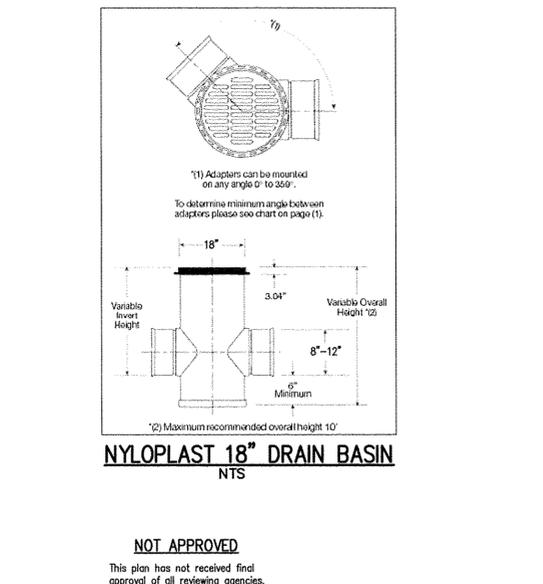
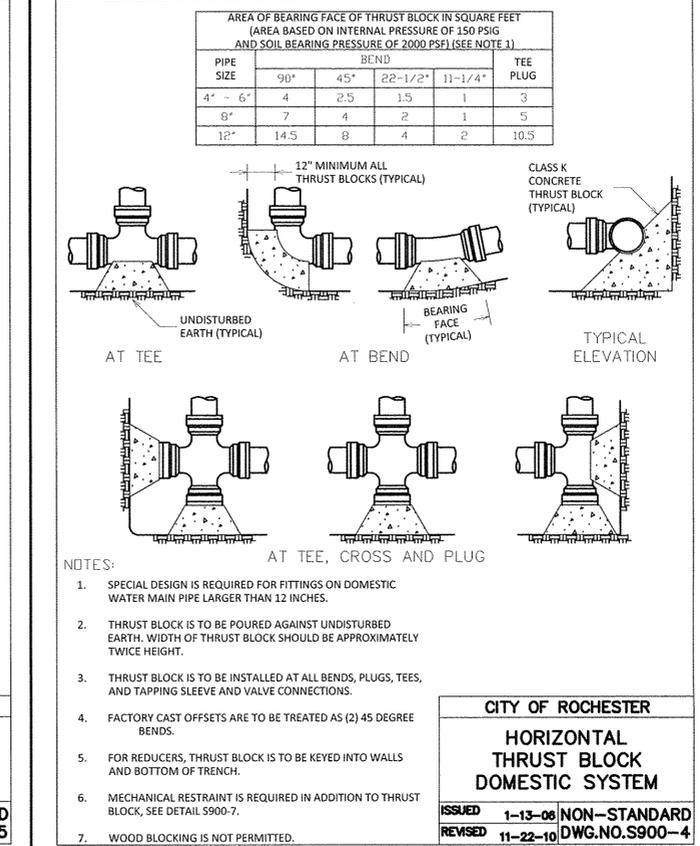
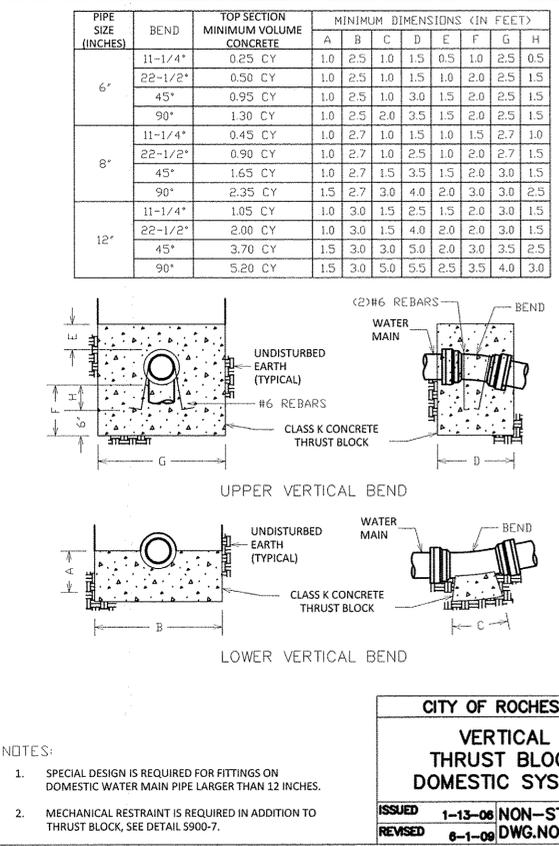
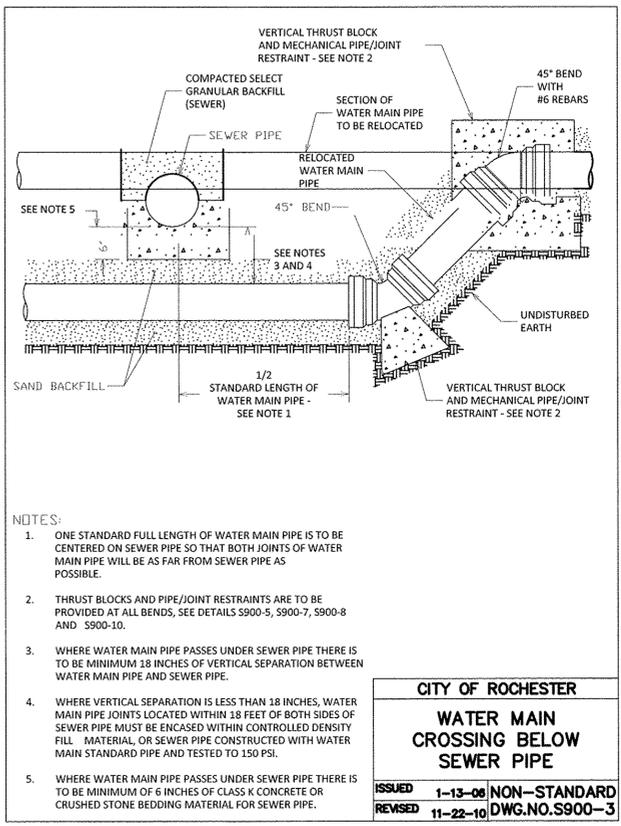
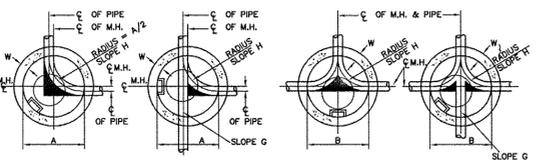
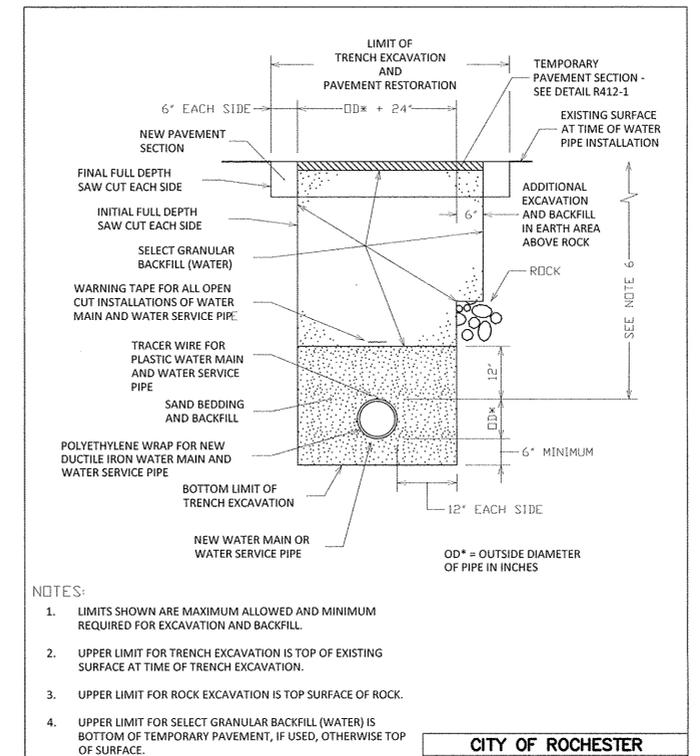
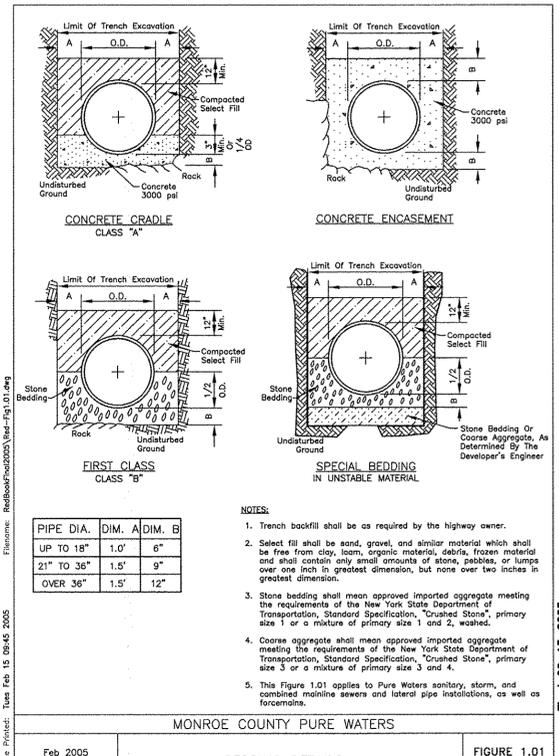
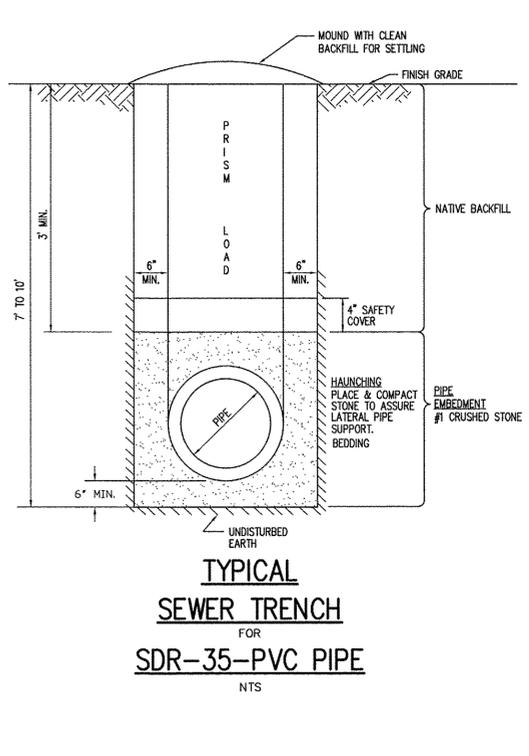
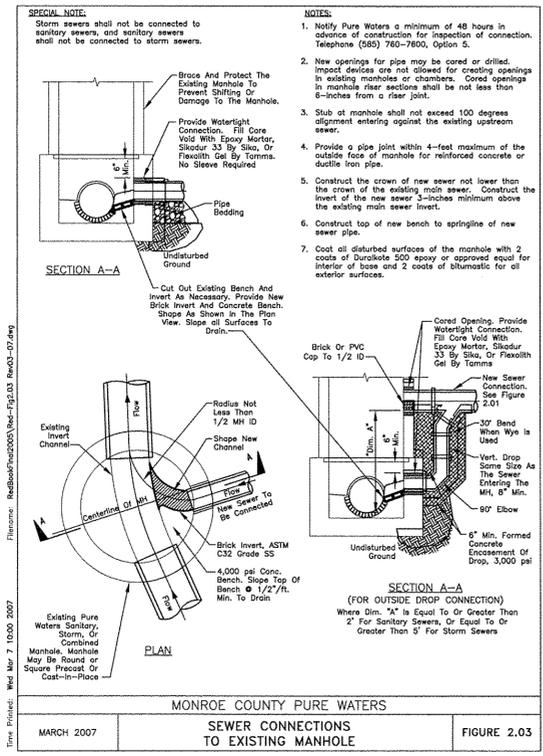
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ROCKY HILL, NEW YORK 14550
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CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
WHITNEY BARR & ASSOCIATES, LLC
205 ST. PAUL ST. SUITE 200
ROCHESTER, NY 14604
PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT MANAGER DATE
D.B. ELDRED
PROJECT ENGINEER DATE
A. MOROZ
DRAWN BY DATE
R. CLITCH
SCALE DATE ISSUED
1"=50' JULY, 2015
PROJECT NO.
2293
DRAWING NO.
35



Drawing Alteration
The following is an excerpt from the New York State Education Law Article 145, Section 7200 and applies to this drawing:
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall file with the item his seal and the notation "altered by" followed by his signature and the date of such alteration and a specific description of the alteration."

NO.	REVISIONS	DATE	BY
7			
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FAIRPORT, NEW YORK 14450
WWW.BMEFCOM



CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK

PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT MANAGER DATE
D.B. ELDRD

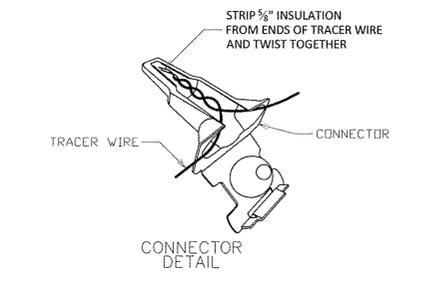
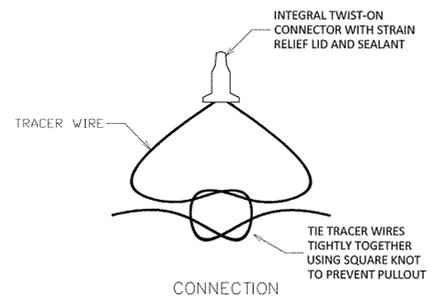
PROJECT ENGINEER DATE
A. MOROZ

DRAWN BY DATE
R. GLITCH

SCALE DATE ISSUED
1"=50' AUGUST, 2015

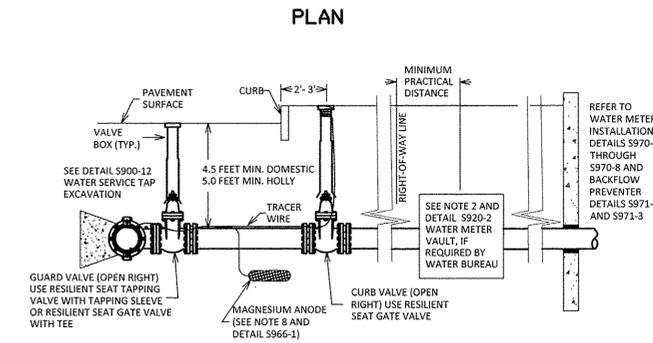
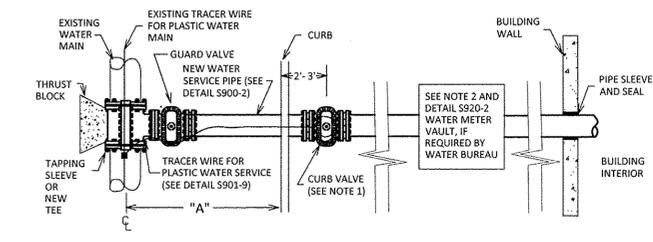
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DRAWING NO. **37**



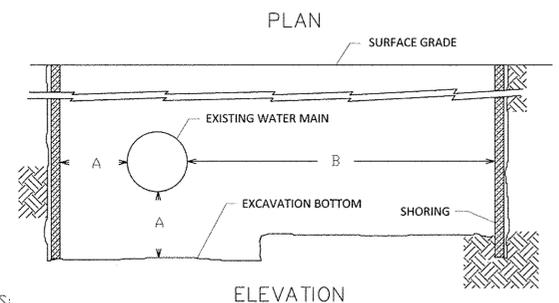
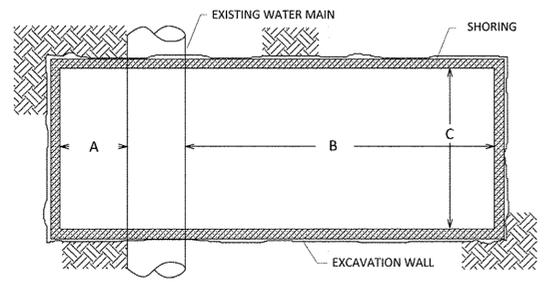
NOTE:
END TO END SPLICE CONNECTION IS TO BE USED ONLY FOR SPLICING TWO ENDS OF WATER MAIN TRACER WIRE TOGETHER WITH CONNECTION BEING MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CITY OF ROCHESTER
PLASTIC WATER MAIN TRACER WIRE END TO END SPLICE CONNECTION
ISSUED 6-1-09 NON-STANDARD
REVISED 11-22-10 DWG.NO.S901-10



NOTE:
FOR NEW WATER SERVICE NOTES, SEE DETAIL S970-5

CITY OF ROCHESTER
NEW WATER SERVICE 4 INCH AND LARGER ON EXISTING WATER MAIN
ISSUED 8-8-11 NON-STANDARD
REVISED DWG.NO.S970-4

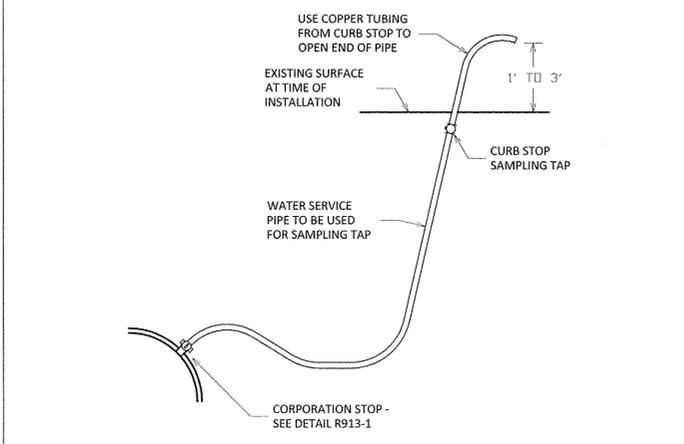


NOTES:

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

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

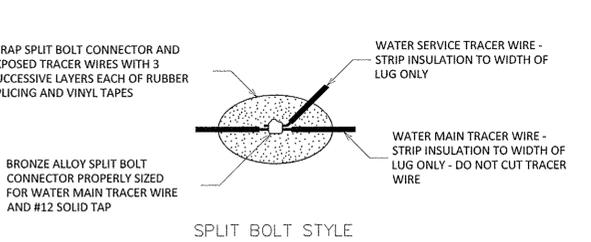
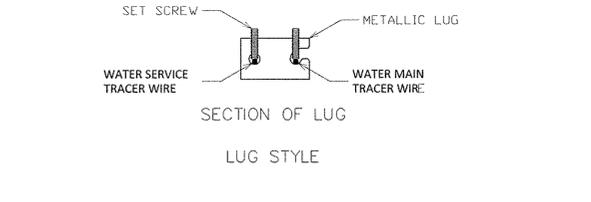
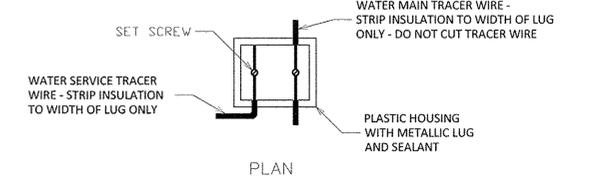
CITY OF ROCHESTER
WATER SERVICE TAP EXCAVATION
ISSUED 4-29-11 NON-STANDARD
REVISED DWG.NO.S900-12



NOTES:

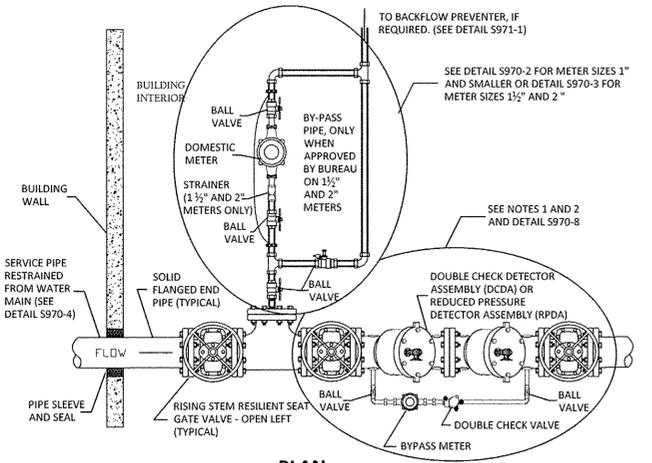
- LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY CITY AND MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
- IF SAMPLING TAP IS LOCATED IN PAVED AREA, SAMPLING TAP IS TO BE KEPT BELOW GROUND EXCEPT WHEN IN USE.
- IF APPROVED BY CITY, SAMPLING TAP MAY BE LOCATED AT SAME LOCATION AS NEW WATER SERVICE.
- 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 1-13-08 NON-STANDARD
REVISED 11-22-10 DWG.NO.S900-6



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

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



NOTES:

- FOR CLASS 1, 2 AND 3 FIRE SYSTEMS, FURNISH WITH DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) PER DETAIL S970-8.
- FOR CLASS 4 AND 5 FIRE SYSTEMS OR WHEN SERVICE IS LOCATED WITHIN 1,700 FEET OF HOLLY SYSTEM OR RIVER, FURNISH WITH REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA).
- GATE VALVES SHALL BE OS&Y RISING STEM, RESILIENT SEATED, FLANGED END, OPEN LEFT AND SHALL BE UL/FM APPROVED.
- DCDA AND RPDA SHALL HAVE AN EPOXY COATED CAST OR DUCTILE IRON BODY, FLANGED ENDS, BE UL/FM APPROVED AND APPROVED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AT THE UNIVERSITY OF SOUTHERN CALIFORNIA. DCDA AND RPDA SHALL HAVE TRIM KIT FOR BY-PASS METER AND APPURTENANCES.
- BY-PASS PIPING ON DCDA AND RPDA SHALL BE 3/4 INCH COPPER OR BRASS. BY-PASS FITTINGS AND VALVES SHALL BE BRASS.
- BY-PASS METER COUPLINGS ARE FURNISHED BY THE WATER BUREAU AND INSTALLED BY THE PLUMBER. COUPLINGS ARE AVAILABLE FOR PICK UP AT THE WATER BUREAU OPERATIONS CENTER, 10 FELIX STREET, TELEPHONE 428-7618.
- THE WATER BUREAU WILL FURNISH, INSTALL AND SEAL THE BY-PASS METER, SEAL THE BY-PASS BALL VALVES AND INSTALL A REMOTE TOUCH PAD OR RADIO READING DEVICE.
- PIPE AND APPURTENANCES ARE TO BE ADEQUATELY RESTRAINED, BRACED AND SUPPORTED. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL PLUMBING CODES.

CITY OF ROCHESTER
TYPICAL COMBINATION FIRE AND DOMESTIC SERVICE
ISSUED 8-8-11 NON-STANDARD
REVISED 3-8-12 DWG.NO.S970-9

The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing:
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation 'altered by' followed by his signature and the date of such alteration, and a specific description of the alteration."

NO.	REVISIONS	DATE	BY
7			
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CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
WHITNEY BARD ASSOCIATES, LLC.
205 ST. PAUL ST. SUITE 210
ROCHESTER, NY 14614

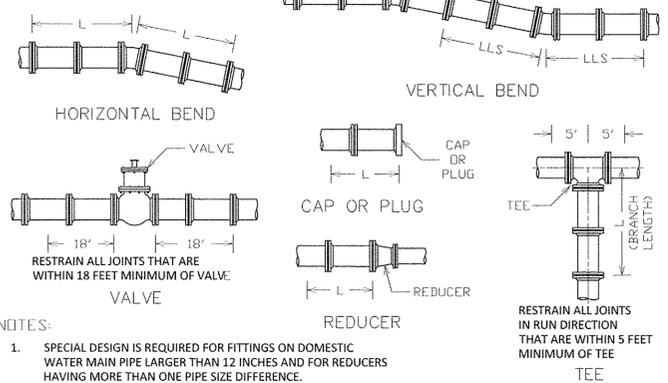
PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT MANAGER DATE
D.B. ELDRD
PROJECT ENGINEER DATE
A. MOROZ
DRAWN BY DATE
R. GLITCH
SCALE DATE ISSUED
1"=50' AUGUST, 2015
PROJECT NO.
2293
DRAWING NO.
38

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

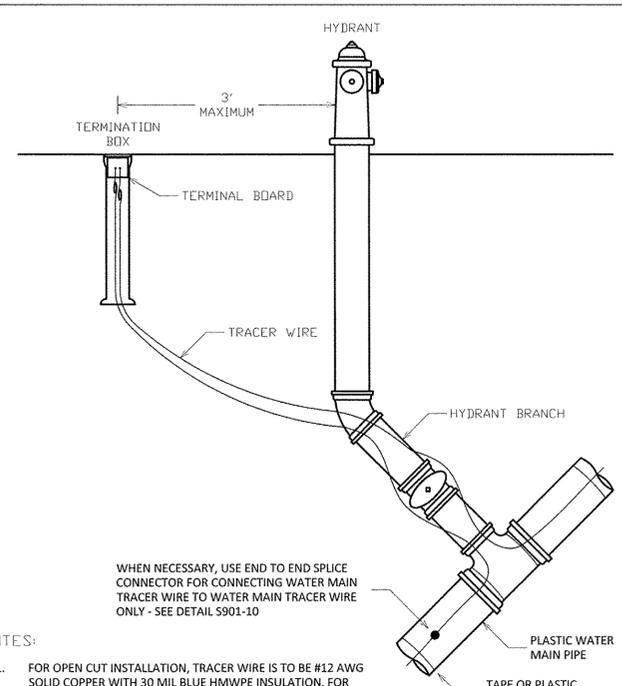
PIPE SIZE (INCHES)	MINIMUM LENGTH #	90°	45°	22-1/2°	11-1/4°	REDUCER	TEE	CAP PLUG
4" - 6"	L	16	7	3	2	29	16	56
	LHS	49	24	12	6	---	---	---
	LLS	16	6	3	2	---	---	---
8"	L	20	9	4	2	31	33	74
	LHS	64	31	15	8	---	---	---
	LLS	20	8	4	2	---	---	---
12"	L	28	12	6	3	56	64	105
	LHS	91	44	21	11	---	---	---
	LLS	28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

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



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

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



WHEN NECESSARY, USE END TO END SPICE CONNECTOR FOR CONNECTING WATER MAIN TRACER WIRE TO WATER MAIN TRACER WIRE ONLY - SEE DETAIL S901-10

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

CITY OF ROCHESTER
PLASTIC WATER MAIN TRACER WIRE INSTALLATION
ISSUED 1-13-08 NON-STANDARD
REVISED 6-1-09 DWG.NO.S901-8

Block Library
RETAINING BLOCKS

2" (51mm) TOP	2" (51mm) HALF TOP	2" (51mm) MIDDLE	2" (51mm) HALF MIDDLE	2" (51mm) BOTTOM	2" (51mm) HALF BOTTOM
Face Texture: Cobble / Limestone Block Weight: 1229 lb (557 kg) Block Volume: 8.57 ft ³ (0.243 m ³) Center of Gravity: 14.8" (378mm)	Face Texture: Cobble / Limestone Block Weight: 1158 lb (525 kg) Block Volume: 8.07 ft ³ (0.229 m ³) Center of Gravity: 14.2" (362mm)	Face Texture: Cobble / Limestone Block Weight: 1562 lb (705 kg) Block Volume: 11.28 ft ³ (0.319 m ³) Center of Gravity: 13.8" (354 mm)	Face Texture: Cobble / Limestone Block Weight: 745 lb (339 kg) Block Volume: 5.25 ft ³ (0.148 m ³) Center of Gravity: 14.3" (364 mm)	Face Texture: Cobble / Limestone Block Weight: 1229 lb (557 kg) Block Volume: 8.57 ft ³ (0.243 m ³) Center of Gravity: 14.8" (378mm)	Face Texture: Cobble / Limestone Block Weight: 1158 lb (525 kg) Block Volume: 8.07 ft ³ (0.229 m ³) Center of Gravity: 14.2" (362mm)

1. Units for dimensions are inches (mm), typical unless noted otherwise.
2. Confirm block production with licensed Red-Rock manufacturer.
3. Center of Gravity is measured from the back of block.
4. Actual block volumes and weights may vary.
5. Weights are based upon a concrete density of 143 lb/ft³ (2291 kg/m³).

STEP FOOTING DETAILS

Profile View - Crushed Stone Footing (No Scale)

Profile View - Concrete Footing (No Scale)

Step Footing Details
DRAWN BY: JRL
APPROVED BY: JRL
DATE: 05-22-2015
SHEET: 1 of 1
FILE: 6 Step Footing Details 062215.dwg

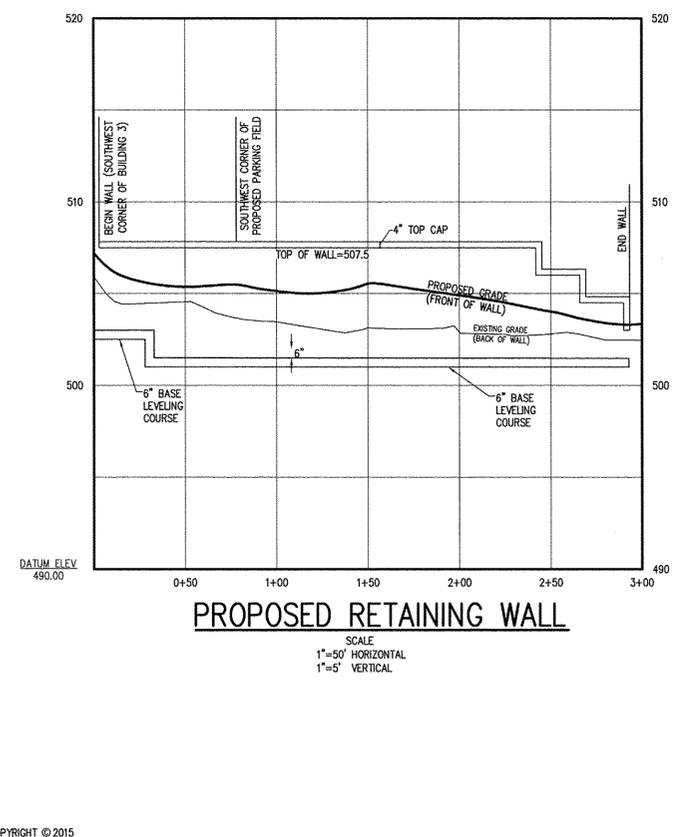
Block Library
RETAINING BLOCKS

4" (103mm) TOP	4" (103mm) HALF TOP	4" (103mm) MIDDLE	4" (103mm) HALF MIDDLE	4" (103mm) BOTTOM	4" (103mm) HALF BOTTOM
Face Texture: Cobble / Limestone Block Weight: 1748 lb (793 kg) Block Volume: 12.22 ft ³ (0.346 m ³) Center of Gravity: 21.3" (540 mm)	Face Texture: Cobble / Limestone Block Weight: 1677 lb (750 kg) Block Volume: 11.73 ft ³ (0.332 m ³) Center of Gravity: 21.3" (540 mm)	Face Texture: Cobble / Limestone Block Weight: 2309 lb (1047 kg) Block Volume: 16.14 ft ³ (0.457 m ³) Center of Gravity: 20.4" (518 mm)	Face Texture: Cobble / Limestone Block Weight: 1022 lb (463 kg) Block Volume: 7.14 ft ³ (0.20 m ³) Center of Gravity: 21.4" (544 mm)	Face Texture: Cobble / Limestone Block Weight: 1748 lb (793 kg) Block Volume: 12.22 ft ³ (0.346 m ³) Center of Gravity: 21.3" (540 mm)	Face Texture: Cobble / Limestone Block Weight: 1677 lb (750 kg) Block Volume: 11.73 ft ³ (0.332 m ³) Center of Gravity: 21.3" (540 mm)

1. Units for dimensions are inches (mm), typical unless noted otherwise.
2. Confirm block production with licensed Red-Rock manufacturer.
3. Center of Gravity is measured from the back of block.
4. Actual block volumes and weights may vary.
5. Weights are based upon a concrete density of 143 lb/ft³ (2291 kg/m³).

Wall Drain Weep Hole Options

Drainage Weep Options
DRAWN BY: JRL
APPROVED BY: JRL
DATE: 05-22-2015
SHEET: 1 of 1
FILE: 6 Drainage Weep Options 062215.dwg



Block Library
ACCESSORIES (CAP AND STEP BLOCKS)

Block Weight: 631 lb (286 kg) Block Volume: 4.42 ft ³ (0.125 m ³)	Block Weight: 665 lb (302 kg) Block Volume: 4.65 ft ³ (0.132 m ³)
---	---

1. Units for dimensions are inches (mm), typical unless noted otherwise.
2. Confirm block production with licensed Red-Rock manufacturer.
3. Actual block volumes and weights may vary.
4. Weights are based upon a concrete density of 143 lb/ft³ (2291 kg/m³).

Block Library
ACCESSORIES (CAP AND STEP BLOCKS)
DRAWN BY: JRL
APPROVED BY: JRL
DATE: 05-22-2015
SHEET: 1 of 2
FILE: Red-Rock Block Library 062215.dwg

PROPOSED RETAINING WALL
N.T.S.

- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.
 - THESE DRAWINGS ARE NOT FOR CONSTRUCTION PURPOSES AND ARE FOR INFORMATION PURPOSES ONLY. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 438-232.

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CULVER ROAD ARMORY
CITY OF ROCHESTER, MONROE COUNTY, NEW YORK
WHITNEY BARD ASSOCIATES, LLC
205 ST. PAUL ST. SUITE 210

DETAIL SHEET

PROJECT	LOCATION	CLIENT	DRAWING TITLE
CULVER ROAD ARMORY	CITY OF ROCHESTER, MONROE COUNTY, NEW YORK	WHITNEY BARD ASSOCIATES, LLC 205 ST. PAUL ST. SUITE 210	PROPOSED RETAINING WALL

PROJECT MANAGER	DATE
D.B. ELDRD	

PROJECT ENGINEER	DATE
A. MOROZ	

DRAWN BY	DATE
R. GLITCH	

SCALE	DATE ISSUED
1"=50'	AUGUST, 2015

PROJECT NO.	DRAWING NO.
	2293