

**SITE NOTES:**

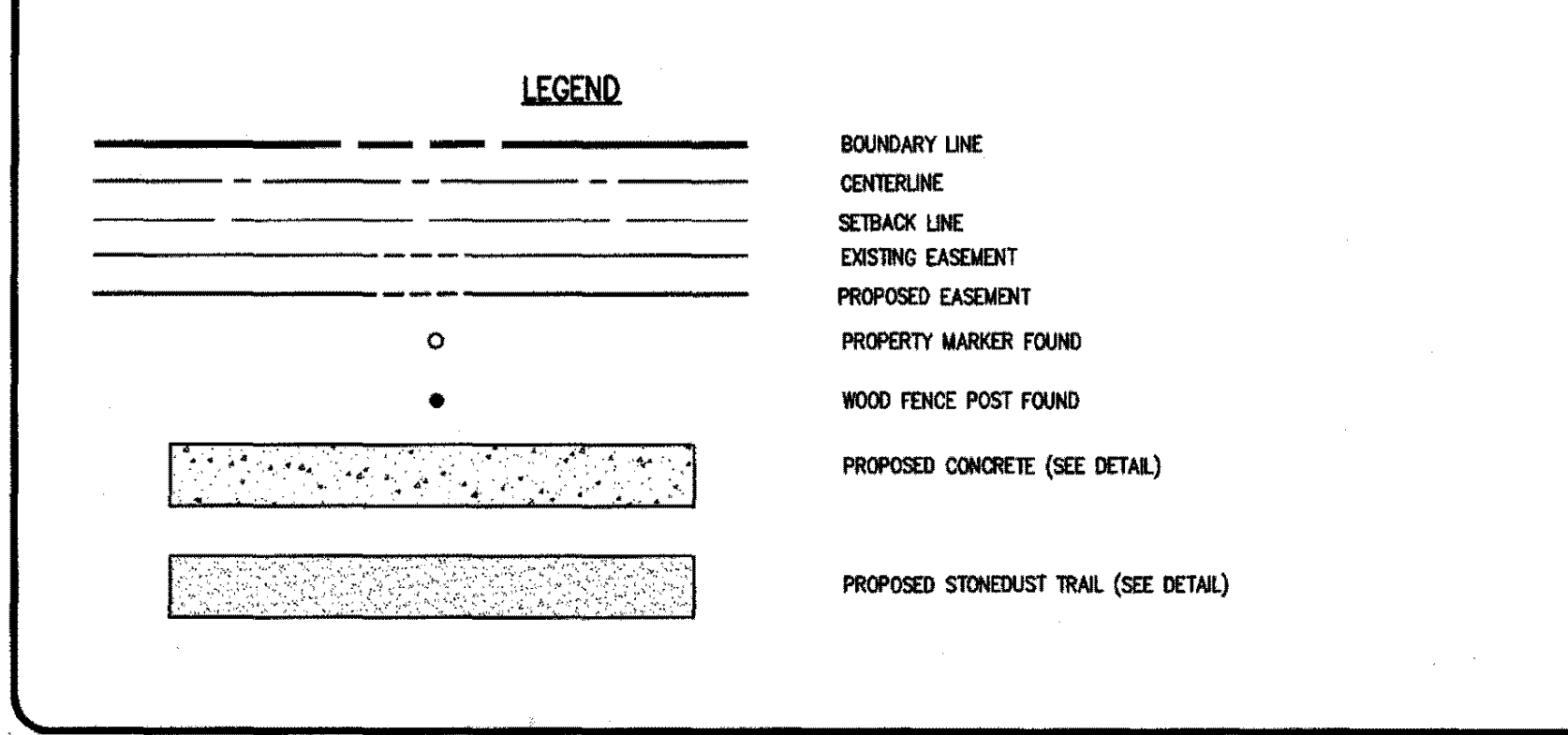
- EXISTING ZONING: RESIDENTIAL DISTRICT R-1-20
- TOTAL PROJECT AREA: 432,215 ACRES (R.O.W.)  
 124,030-1-1: 45,500 ACRES (R.O.W.)  
 124,131-1-2: 4,025.14 ACRES (R.O.W.)  
 124,131-1-3: 45,498 ACRES (R.O.W.)  
 124,131-1-4: 4,482.26 ACRES (R.O.W.)
- PROPOSED USES: PUBLIC PARK ON PARCEL 124.09-1-1
- APPLICABLE DEVELOPMENT STANDARDS:  
 DISTRICT: R-1-20 DISTRICT  
 LOT AREA (S.F.): 20,000 S.F.  
 SETBACKS: FRONT 50', SIDE 10', REAR 30'  
 MAX. BUILDING HEIGHT: 35'
- BUILDINGS SHOWN ON THIS PLAN ARE GRAPHICAL REPRESENTATIONS ONLY.
- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS FOR DESCRIPTIVE AND SURVEY DATA ON THE CONTROL MONUMENTS, CALL THE MONUMENT CONTROL SURVEY OFFICE.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO LOCAL LAW NO. 6 OF 1971 REGARDING LIABILITY INCURRED THROUGH DISTURBANCES OR RESTRICTIONS OF EROSION SURVEY MONUMENTS.

**ADA NOTES:**

- ALL IMPROVEMENTS ARE TO BE MADE PER THE MOST RECENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
- ALL SIDEWALKS ON AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5% (1:20) AND A MAXIMUM CROSS-SLOPE OF 2% (1:48).
- ALL LANINGWAYS ALONG AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM SLOPE OF 2% (1:48) IN ALL DIRECTIONS.
- ALL CURB RAMPS SHALL HAVE A MAXIMUM RUNNING SLOPE OF NO GREATER THAN 8% (1:12).
- ALL CURB RAMP SIDE SLOPES SHALL HAVE A MAXIMUM SLOPE OF 10% (1:10).
- ANY RUNNING SLOPE GREATER THAN 8% (1:12) IS TO BE CONSIDERED A RAMP AND MUST COMPLY WITH THE ADA STANDARD REQUIREMENTS FOR RAMPS.
- PARKING (SEE DETAIL):  
 - ALL ACCESSIBLE PARKING SPACES TO BE 8' X 15'  
 - ALL ACCESSIBLE SPACES TO BE 8' X 9'  
 - MAXIMUM SLOPE IN ALL DIRECTIONS TO BE NO GREATER THAN 2% (1:48) FOR BOTH PARKING STALL AND STREVED WALKWAY  
 - ONE IN SIX ACCESSIBLE PARKING SPACES SHALL MEET THE VAN ACCESSIBLE STANDARDS PER THE ADA GUIDELINES
- PARKING SIGNAGE: ALL ACCESSIBLE PARKING SPACES AND VAN ACCESSIBLE SPACES PER THE MOST RECENT ADA STANDARD REQUIREMENTS (SEE SIGN DETAIL).
- ALL OTHER IMPROVEMENTS TO BE IN CONFORMANCE WITH THE MOST RECENT ADA STANDARDS FOR DESIGN.

**NOTES:**

- PARCEL SUBJECT TO A POLE LINE EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 1481 OF DEEDS, PAGE 501. EASEMENT LIES ALONG THE SOUTHERLY AND WESTERLY RIGHT-OF-WAY LINE OF WHALEN ROAD AND IS UNDEVELOPED WIDTH.
- PARCEL SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3327 OF DEEDS, PAGE 201 AND CORRECTED FOR LIBER 3344 OF DEEDS, PAGE 213. EASEMENT COVERS THE POLE LINE EXTENDING NORTHEASTERLY 240' FROM THE SOUTHERLY BOUNDARY LINE AS SHOWN HEREON.
- PARCEL SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3309 OF DEEDS/PAGE 301. EASEMENT COVERS A POLE LINE 35' FROM THE CENTERLINE OF WHALEN ROAD SOUTH OF CLARK ROAD.
- PARCEL SUBJECT TO A POLE LINE EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3036 OF DEEDS, PAGE 204. EASEMENT IS 30' WESTERLY OF THE CENTERLINE OF WHALEN ROAD EXTENDING SOUTHERLY FROM ATLANTIC AVENUE.
- PARCEL SUBJECT TO A POLE LINE EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3008 OF DEEDS, PAGE 302. EASEMENT IS 30' WESTERLY AND SOUTHERLY FROM THE CENTERLINE OF WHALEN ROAD SOUTH OF CLARK ROAD.
- PARCEL SUBJECT TO A POLE LINE EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3007 OF DEEDS, PAGE 303. EASEMENT IS 30' SOUTHERLY AND PARALLEL WITH THE SOUTHERLY RIGHT-OF-WAY LINE OF ATLANTIC AVENUE AS SHOWN HEREON.
- PARCEL SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION AND ROCHESTER TELEPHONE CORPORATION PER LIBER 3640 OF DEEDS, PAGE 276. EASEMENT IS 10' IN WIDTH ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF CLARK ROAD, EXTENDING EASTERLY FROM LANDS OF MARJORIE PETERSON AS SHOWN HEREON.
- PARCEL SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION AND ROCHESTER TELEPHONE CORPORATION PER LIBER 3640 OF DEEDS, PAGE 276. EASEMENT IS 25' IN WIDTH ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF ATLANTIC AVENUE AS SHOWN HEREON.
- PARCEL SUBJECT TO A SEVERAL EASEMENT TO THE TOWN OF PENFIELD PER LIBER 4500 OF DEEDS, PAGE 5. EASEMENT IS 20.25' IN WIDTH ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF ATLANTIC AVENUE AS SHOWN HEREON.
- PARCEL SUBJECT TO A SEVERAL EASEMENT TO THE TOWN OF PENFIELD PER LIBER 6306 OF DEEDS, PAGE 23. THE EASEMENT IS 7' IN WIDTH PARALLEL WITH THE CENTERLINE OF ATLANTIC AVENUE, THE NORTHERLY LIMITS OF THE EASEMENT ARE 33' SOUTH OF SAID CENTERLINE AND THE SOUTHERLY LIMITS ARE 40' SOUTH OF SAID CENTERLINE AS SHOWN HEREON.
- PARCEL SUBJECT TO A SANITARY SEWER EASEMENT TO THE TOWN OF PENFIELD PER LIBER 6306 OF DEEDS, PAGE 24. EASEMENT IS VARIABLE IN WIDTH ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF CLARK ROAD, EXTENDING EAST FROM LANDS OF WILLIAM FOWLER AS SHOWN HEREON.
- PARCEL SUBJECT TO AN EASEMENT TO ROCHESTER GAS AND ELECTRIC CORPORATION PER LIBER 3452 OF DEEDS, PAGE 177. EASEMENT IS VARIABLE IN WIDTH ALONG A PORTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF ATLANTIC AVENUE AS SHOWN HEREON.
- PARCEL MAY BE SUBJECT TO A PERMANENT EASEMENT FOR PURPOSES CONNECTED WITH THE HIGHWAY SYSTEM OF THE COUNTY OF MONROE AND FOR PUBLIC UTILITIES PER REFERENCE 14. EASEMENT LIES SOUTH OF THE RIGHT-OF-WAY LINE OF WHALEN ROAD FROM STATION 64+2.18 TO STATION 77+44.88.
- PARCEL MAY BE SUBJECT TO A TEMPORARY EASEMENT FOR PURPOSES CONNECTED WITH THE HIGHWAY SYSTEM OF THE COUNTY OF MONROE AND FOR PUBLIC UTILITIES PER REFERENCE 14. EASEMENT LIES SOUTH OF THE RIGHT-OF-WAY LINE OF WHALEN ROAD FROM STATION 64+2.18 TO STATION 69+25.68.
- PARCEL MAY BE SUBJECT TO THE RIGHTS OF OTHERS FOR USE OF THE POLE LINE EXTENDING SOUTHERLY CLARK ROAD AS SHOWN HEREON. NO EASEMENT OF RECORD WAS FOUND IN THE ABSTRACT OF TITLE REFERENCED HEREON.
- PARCEL MAY BE SUBJECT TO THE RIGHTS OF OTHERS FOR USE OF THE CHAIN LINK FENCE EXTENDING WESTERLY FROM LANDS OF ANTHONY & BERY DELLEA AS SHOWN HEREON.
- PARCEL MAY BE SUBJECT TO THE RIGHTS OF OTHERS FOR USE OF THE POLE LINE ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF CLARK ROAD. NO EASEMENT OF RECORD WAS FOUND IN THE ABSTRACT OF TITLE REFERENCED HEREON.
- PARCEL MAY BE SUBJECT TO THE RIGHTS OF OTHERS FOR USE OF THE CONCRETE SIDEWALK SOUTH OF ATLANTIC AVENUE AS SHOWN HEREON. THE LOCATION OF THE SIDEWALK LIES OUTSIDE THE ABOVE REFERENCED SIDEWALK EASEMENTS TO THE TOWN OF PENFIELD.
- SOFT COURSE AMENITIES WERE NOT FIELD LOCATED AT THE DIRECTION OF THE TOWN OF PENFIELD FOR THE PURPOSES OF THIS SURVEY AND ARE THEREFORE NOT SHOWN HEREON.
- THE BEARING BASE SHOWN HEREON IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM (NAD 83), WESTERN ZONE.
- PARCEL SUBJECT TO RESTRICTIVE COVENANTS TO BE RECORDED.



**MODOT NOTES:**

- HIGHWAY DRAINAGE ALONG THE COUNTY HIGHWAY MUST BE MAINTAINED. THE APPLICANT WILL BE RESPONSIBLE FOR ALL REQUIRED GRADING IN THE COUNTY RIGHT-OF-WAY.
- AFTER MDOT APPROVES THIS PROJECT, A 130 HIGHWAY PERMIT AND A 230F FRONT WILL BE REQUIRED. INSPECTION OF ALL CONSTRUCTION IN THE RIGHT-OF-WAY WILL BE A CONDITION OF THESE PERMITS.
- ALL MATERIALS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MDOT STANDARDS AND DETAILS IN EFFECT WHEN INSTALLED.
- CONTRACTOR MUST CONTACT DONALD MEDOIT (585-753-7723) ONE WEEK BEFORE ANY WORK ON SIGNS OCCURS.

**APPROVALS:**

BY: *[Signature]* DATE: 12/5/23  
 ENGINEERING AND PLANNING

BY: *[Signature]* DATE: 12/5/23  
 DIRECTOR OF PUBLIC WORKS

BY: *[Signature]* DATE: 12/4/23  
 TOWN SUPERVISOR

**SIGHT DISTANCE TABLE:**

POSTED SPEED LIMIT FOR WHALEN ROAD: 35 MPH  
 REQUIRED DISTANCES (DESIGN SPEED 40 MPH):  
 REQUIRED INTERSECTION SIGHT DISTANCE: 445'  
 REQUIRED STOPPING SIGHT DISTANCE: 305'

MEASURED DISTANCES:	(North)	(South)
INTERSECTION SIGHT DISTANCE:	481' (TO CL. OF ATLANTIC AVE.)	3400'
STOPPING SIGHT DISTANCE:	481' (TO CL. OF ATLANTIC AVE.)	2400'

**RECEIVED**  
 NOV 8 2023  
 Town of Penfield  
 Planning Department

**SEE DRAWING No. 2681A-C08A FOR MDOT DRIVEWAY DETAIL**

**BME ASSOCIATES**  
 ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS  
 2000 ATLANTIC AVENUE, SUITE 200  
 PENFIELD, NY 14556  
 PH: 585-753-7729  
 WWW.BMEASSOCIATES.COM

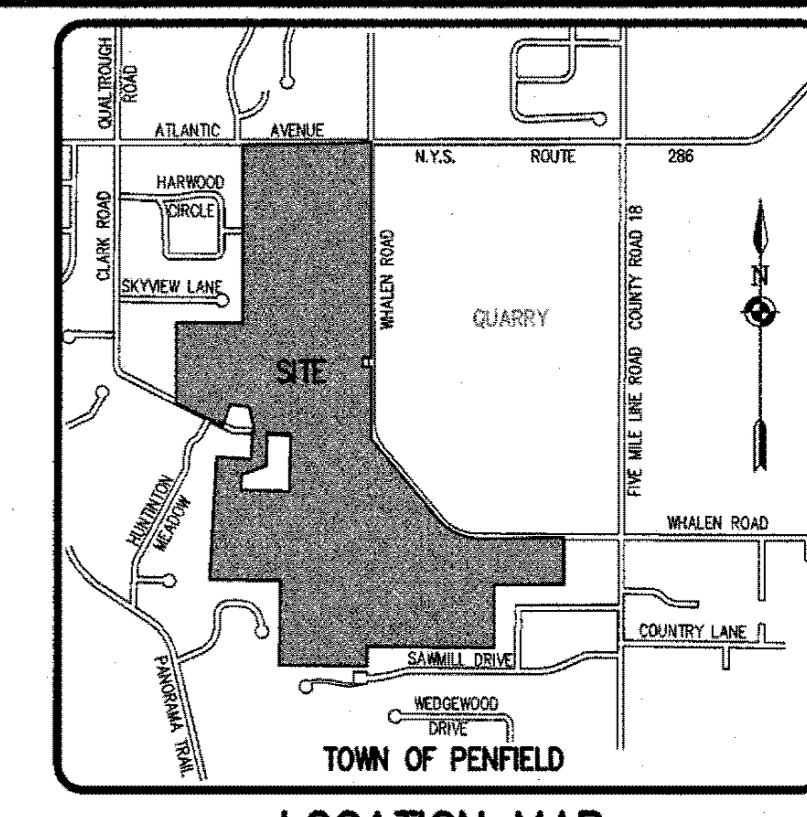
**SHADOW PINES PHASE 1**  
 TOWN OF PENFIELD, MONROE COUNTY, NEW YORK STATE  
 PROJECT LOCATION: 2000 ATLANTIC AVE, PENFIELD, NY 14556  
 CONSTRUCTION PLANS  
 SITE PLAN

NO.	REVISIONS	DATE
1	PER TIME COMMENTS	11/29/23 AS
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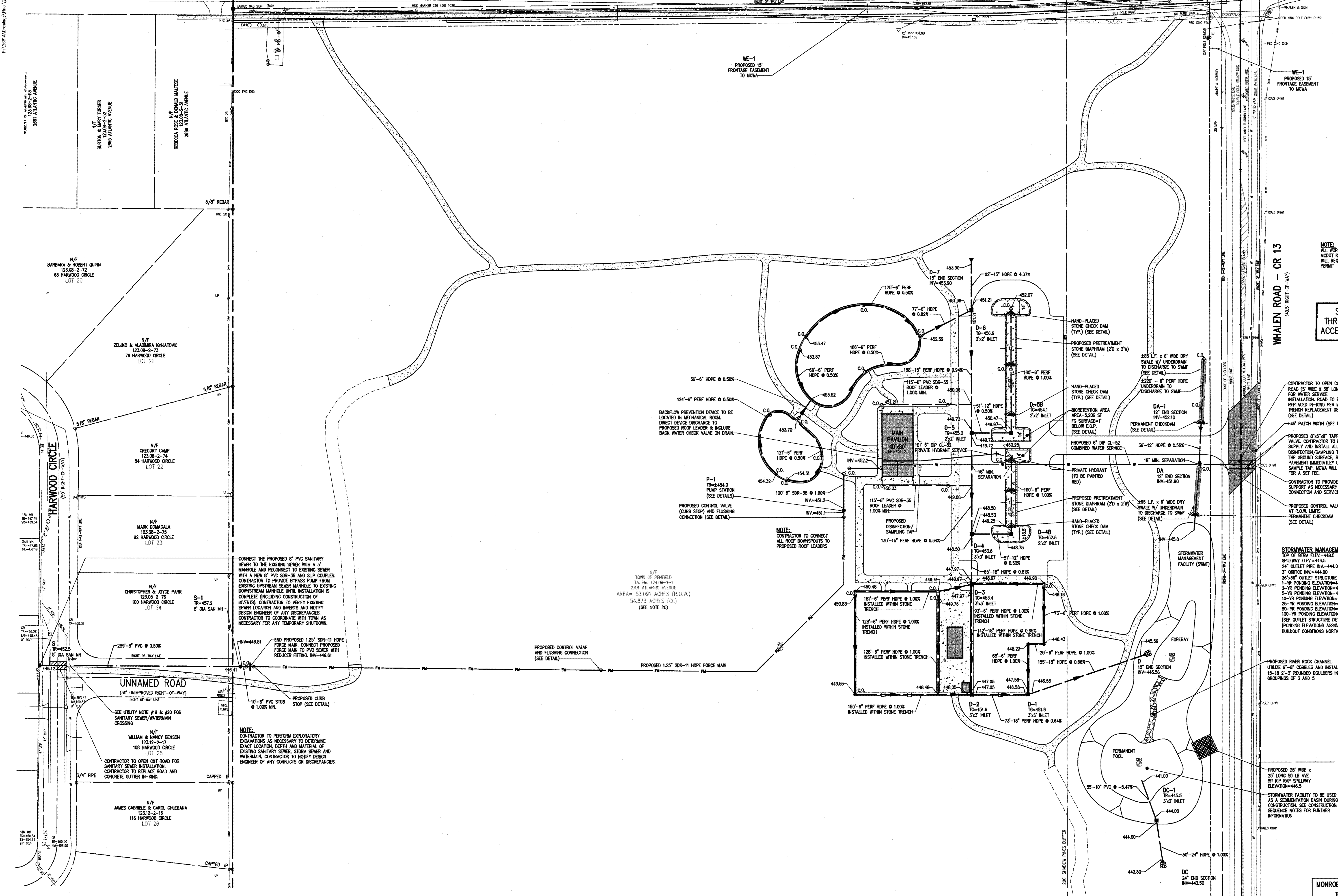
PROJECT MANAGER: A. SPENNER  
 PROJECT ENGINEER: E. SHELLY  
 DRAIN BY: J. SOUTER  
 SCALE: 1" = 30'  
 DATE ISSUED: OCTOBER 31, 2023  
 PROJECT NO.: 2681A  
 DRAWING NO.: C01



ATLANTIC AVENUE - N.Y.S. ROUTE 286



SEE BME PLANS 2681A-C11 THROUGH 2681A-C14 FOR MCDOT ACCESS AND UTILITY PERMIT PLANS



CONNECT THE PROPOSED 8" PVC SANITARY SEWER TO THE EXISTING SEWER WITH A 1" MANHOLE AND RECONNECT TO EXISTING SEWER WITH A NEW 8" PVC 200-30 AND S/C COUPLER. CONTRACTOR TO PROVIDE BRASS FLANG FROM EXISTING UPSTREAM SEWER MANHOLE TO EXISTING DOWNSTREAM MANHOLE UNTIL INSTALLATION IS COMPLETE (INCLUDING CONSTRUCTION OF INVERTS). CONTRACTOR TO NOTIFY EXISTING SEWER ENGINEER OF ANY DISCREPANCIES. CONTRACTOR TO COORDINATE WITH TOWN AS NECESSARY FOR ANY TEMPORARY SHUTDOWNS.

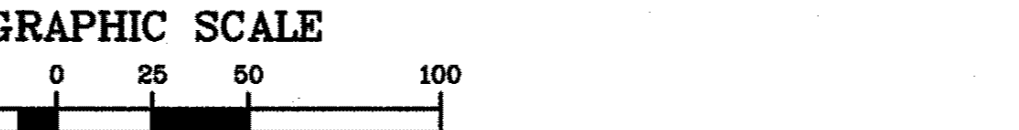
NOTE: CONTRACTOR TO PERFORM EXPLORATORY EXCAVATIONS AS NECESSARY TO DETERMINE EXACT LOCATION, DEPTH AND MATERIAL OF EXISTING SANITARY SEWER, STORM SEWER AND WATER MAIN. CONTRACTOR TO NOTIFY DESIGN ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

UTILITY NOTES:

- 1. BUILDINGS SHOWN ON THIS PLAN ARE GRAPHICAL REPRESENTATIONS ONLY.
2. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF PENFIELD, THE APPROPRIATE AGENCIES (E.G. MONROE COUNTY WATER AUTHORITY, THE MONROE COUNTY HEALTH DEPARTMENT AND THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION) UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION. FOR DESCRIPTIVE AND SURVEY DATA ON THE CONTROL MONUMENTS, CALL THE MONROE COUNTY GEOGRAPHIC SURVEY OFFICE.
4. THE DEVELOPER'S AND CONTRACTOR'S ATTENTION IS DIRECTED TO LOCAL LAW NO. 6 OF 1971 REGARDING LIABILITY INCURRED THROUGH DISOCCUPANCY OR DESTRUCTION OF GEOGRAPHIC SURVEY MONUMENTS.
5. 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 UPPO NUMBER AT (508)662-7462 FOR STAKE-OUT OF EXISTING UTILITIES.
6. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCY.
7. HIGHWAY DRAINAGE ALONG WHALEN ROAD (CR 13) IS TO BE MAINTAINED. OWNER TO FURNISH AND PLACE DRAINAGE CULVERT PIPE (IF REQUIRED) OF A SIZE AND TYPE, AT A LINE AND GRADE TO BE DETERMINED BY THE COUNTY SUPERINTENDENT OF HIGHWAYS.
8. ALL UNDERGROUND UTILITY LINES AND SERVICES IN PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED PER DETAIL.
9. ALL PIPE CROSSINGS TO BE STOKED FROM BOTTOM TRENCH OF LOWER PIPE TO SPRING LINE OF UPPER PIPE.
10. WATER SERVICES AND APPURTENANCES TO BE CONSTRUCTED TO THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE MONROE COUNTY WATER AUTHORITY.
11. FOR WATER SERVICE CONSTRUCTION, ALL MECHANICAL JOINT FITTINGS, TEES, BENDS, FLANGES, ETC. SHALL BE BACKED WITH 2,500 PSI CONCRETE THROUST BLOCKS.
12. WATER SERVICES AND APPURTENANCES SHALL BE INSTALLED PER THE MOST RECENT ANWA CDDO STANDARDS.
13. THE WATER SERVICE SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE ANWA CDDO STANDARDS (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE MONROE COUNTY WATER AUTHORITY.
14. WATER SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS OF THE TOWN OF PENFIELD.
15. STORM SEWER PIPE SHALL BE HOPE OR AS NOTED ON THE PLAN.

- 15. ALL HOSE BIBS TO INCLUDE ANTI-SIPHON FITTINGS.
16. FOUNTAINS TO INCLUDE HOSE BIBBS FOR EXTERIOR WATER SYSTEM BLOW OUT/WINTERIZATION. CONTRACTOR TO SUBMIT EXTERIOR WATER FOUNTAIN SPECIFICATIONS AND/OR SHOP DRAWINGS FOR TOWN APPROVAL.
SANITARY SEWER:
17. ALL SANITARY SEWERS ARE IN COMPLIANCE WITH THE SPECIFICATIONS AND SEWER POLICY OF THE TOWN OF PENFIELD.
18. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS OF THE TOWN OF PENFIELD.
19. SANITARY SEWER PIPE SHALL BE 8" 0900 PVC PIPE, PRESSURE RATED TO 150 PSI.
20. SANITARY SEWER CONSTRUCTION TO COMPLY WITH SECTION 4.1 AND 4.7 OF THE "RECOMMENDED STANDARDS FOR WATER WORKS - 2012 EDITION", AND SHALL BE PRESSURE RATED TO AT LEAST 150 PSI (1.04 MPa) AND PRESSURE TESTED TO ENSURE WATER TIGHTNESS.
21. SANITARY FORCE MAIN TO BE 12" 1200-11 HOPE, INSTALLED AT A 5' MIN. DEPTH.
22. FORCE MAINS TO BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUNDWATER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR THE MONROE COUNTY SEWER USE LAW.
23. THE FOLLOWING TESTS SHALL BE PERFORMED ON 8" PVC SANITARY SEWER PIPE:
A) DEFLECTION TEST 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 MANHOLE, 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.
STORM SEWER:
24. STORM SEWERS, STORM LATERALS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS OF THE TOWN OF PENFIELD.
25. STORM SEWER PIPE SHALL BE HOPE OR AS NOTED ON THE PLAN.

- LATERALS AND SERVICES:
26. ALL LATERALS OR SERVICES SHALL BE AS NOTED BELOW UNLESS OTHERWISE NOTED ON THE PLANS:
WATER - 6" DP CL-35 COMBINED WATER SERVICE
SANITARY - 6" PVC 200-30 INSTALLED AT 12 MIN SLOPE OR 12" 1200-11 HOPE SANITARY FORCE MAIN AS NOTED ON PLAN.
STORM - 6" PVC 200-30 INSTALLED AT 1% MIN SLOPE.
27. WATER SERVICES ARE TO BE LOCATED ON THE INTERIOR OF EXTERIOR WALLS IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING, ON METEDED SERVICES REQUIRING A 1/4" INCH OR LARGER METEER, A 1/4" INCH METEER IS REQUIRED.
28. NO CURB VALVE BOXES (WATER LATERALS) ARE ALLOWED IN DRIVEWAYS. THE SERVICE OR DRIVEWAY WILL BE RELOCATED IF THIS CONFLICT ARISES.
29. CLEANOUTS FOR STORM LATERALS SHALL BE INSTALLED AT ALL HORIZONTAL BENDS AND AT 100' INTERVALS ALONG THE LATERAL. CLEANOUTS FOR SANITARY LATERALS SHALL BE INSTALLED AT THE RIGHT-OF-WAY OR EASEMENT LINE, AT ALL BENDS 45' OR GREATER, AND AT 75' FOOT INTERVALS THEREAFTER.
MCDOT NOTES:
1. HIGHWAY DRAINAGE ALONG THE COUNTY HIGHWAY MUST BE MAINTAINED. THE APPLICANT WILL BE RESPONSIBLE FOR ALL REQUIRED GRADING IN THE COUNTY RIGHT-OF-WAY.
2. AFTER MCDOT APPROVES THE PROJECT, A 1.5% HIGHWAY PERMIT AND A 20% PERMIT WILL BE REQUIRED. INSPECTION OF ALL CONSTRUCTION IN THE RIGHT-OF-WAY WILL BE A CONDITION OF THESE PERMITS.
3. ALL MATERIALS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MCDOT STANDARDS AND DETAILS IN EFFECT WHEN INSTALLED.
4. CONTRACTOR MUST CONTACT DONALD NEMKO OF MCDOT (585-753-7723) ONE WEEK BEFORE ANY WORK ON SIGNS OCCURS.



- MONROE COUNTY DEPARTMENT OF HEALTH STANDARD WATER MAIN EXTENSION NOTES:
1. THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO ANWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION 0561 (LATEST REVISION), FOLLOWING CONSTRUCTION. THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM.
ALL WATER MAIN PIPE 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 FLAMING.
FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED PERSON PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR) WITH A SPECIAL EXEMPTION UNDER SECTION 7200(2) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND CONSTRUCTION PROCEDURES MORE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND APPROVED AGREEMENTS. THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL CHLORINE, ESCHERICHIA COLI (E. COLI) AND TURBIDITY.
THE WATER MAIN PIPE AND APPURTENANCES SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAIN PIPELINES AND SEWER PIPELINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN PIPE 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 PIPELINES 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 MAIN PIPES 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 WEEP HOLES (DRAINS) SHALL BE FLUSHED.
4. THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE ANWA STANDARD 0500, 0502, 0504, OR 0505 (MOST RECENT VERSION AS APPLICABLE) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.
MONROE COUNTY DEPARTMENT OF HEALTH 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 ANW TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM FEDERATION C903-A (DITTED) PRACTICE FOR LOW-PRESSURE AIR TEST OF VITRIFIED CLAY PIPE LINES. SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXPLORATION 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 (LATEST REVISION).
2. FLOOR DRAINS, IF CONSTRUCTED IN THE PROJECT, MUST BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUNDWATER. ALL DISCHARGES FROM THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR THE MONROE COUNTY SEWER USE LAW.
3. DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF SIX (6) INCHES. THE TEST IS TO BE RUN USING A RIGID BALL OR MANHOLE, 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.
4. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER 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 PIPE 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 PIPELINES 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 MAIN PIPES AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.

WATERMAIN APPROVAL
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.

SANITARY SEWER APPROVAL
MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
THESE PLANS FOR PUBLIC SANITARY SEWER EXTENSION/IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO 10NYCRRS OF THE STATE SANITARY CODE SUBJECT TO CONDITIONS OF APPROVAL.

RECEIVED
NOV 8 2023
Town of Penfield Planning Department

APPROVALS
By: [Signatures]
DATE: 12/5/23
DATE: 12/15/23
DATE: 12/14/23
DATE: 12/17/23
MONROE COUNTY WATER AUTHORITY

NOTE: ALL WORK WITHIN THE MCDOT RIGHT-OF-WAY WILL REQUIRE A MCDOT PERMIT

Table with columns: REVISIONS, DATE, BY. Contains revision details for the drawing.

BME ASSOCIATES logo and contact information: ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS

Professional Engineer Seal for Tom A. Sulem, State of New York, License No. 12413-1-3 & 12413-1-4

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
SHADOW PINES PHASE 1
UTILITY PLAN

PROJECT MANAGER: A. SPENCER
PROJECT ENGINEER: J. SHELLEY
DRAWN BY: J. SHELLEY
CHECKED BY: J. SHELLEY
DATE ISSUED: 10/23/23
DATE: 12/15/23
DATE: 12/17/23
PROJECT NO.: 2681A
DRAWING NO.: C02

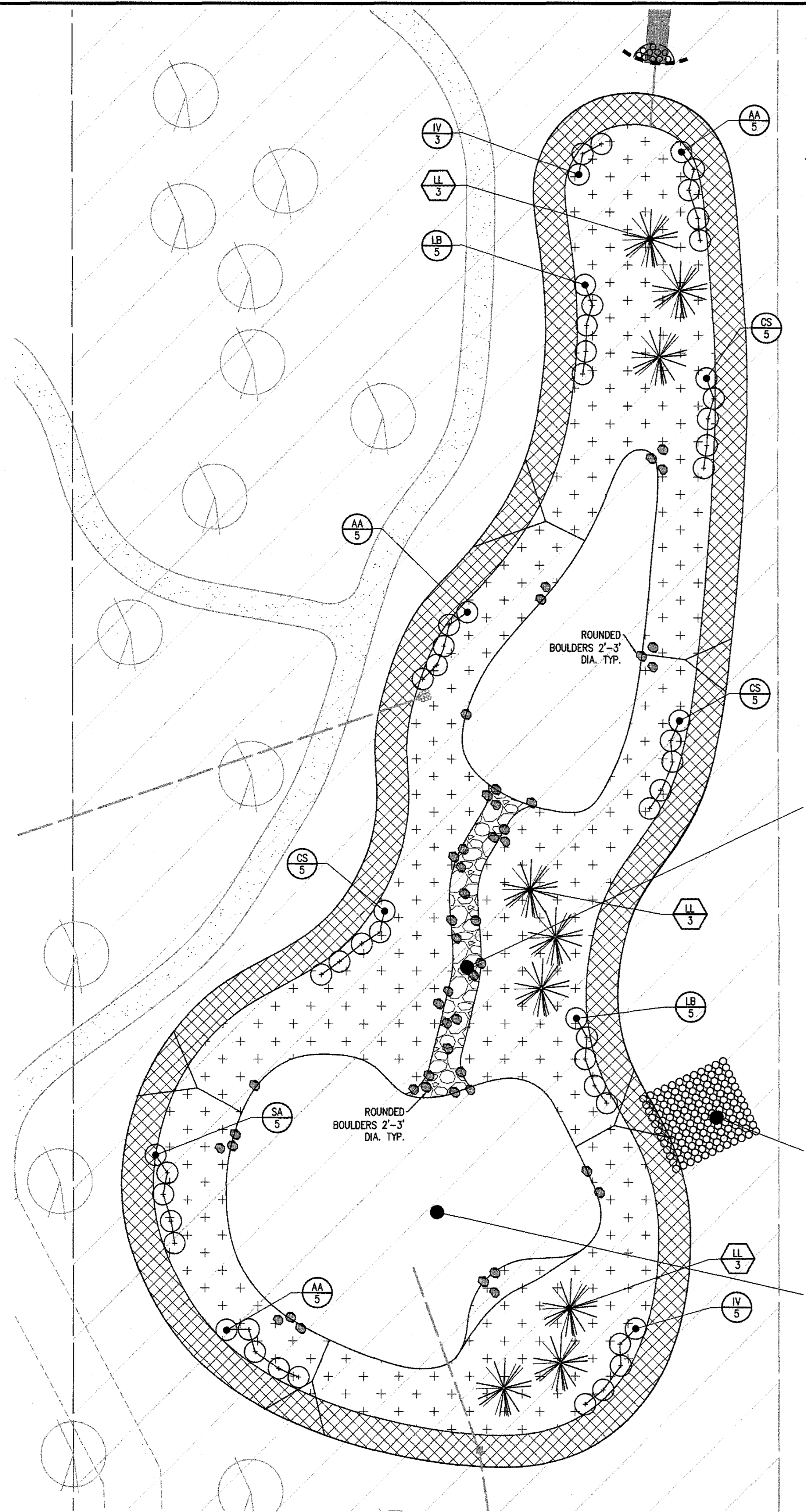




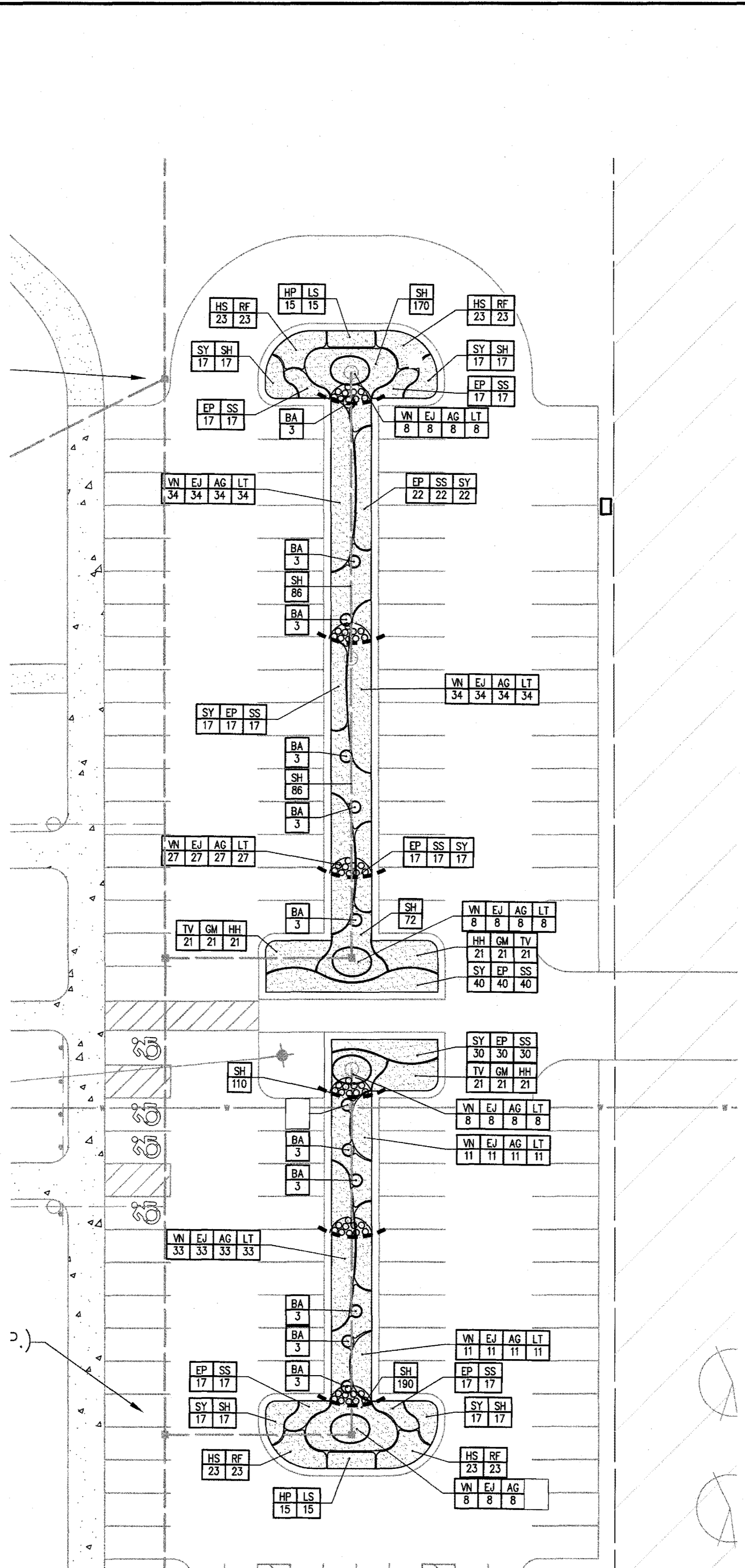








**STORMWATER MANAGEMENT AREA ENLARGEMENT**  
SCALE: 1" = 20'



**BIORETENTION ENLARGEMENT**  
SCALE: 1" = 20'

**STORMWATER MANAGEMENT PLANT MATERIALS LIST**

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
<b>TREES</b>						
9	LL	Larix Laricina	Larch	6' tall	B&R	
<b>SHRUBS</b>						
15	AA	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokecherry	24"	BR	
15	CS	Cornus sericea	Red Twig Dogwood	24"	BR	
8	IV	Ilex verticillata	Winterberry Holly	24"	BR	
10	LB	Lindera benzoin	Spicebush	24"	BR	
5	SA	Symphoricarpos albus	Snowberry	24"	BR	

**SEED MIX LEGEND:**

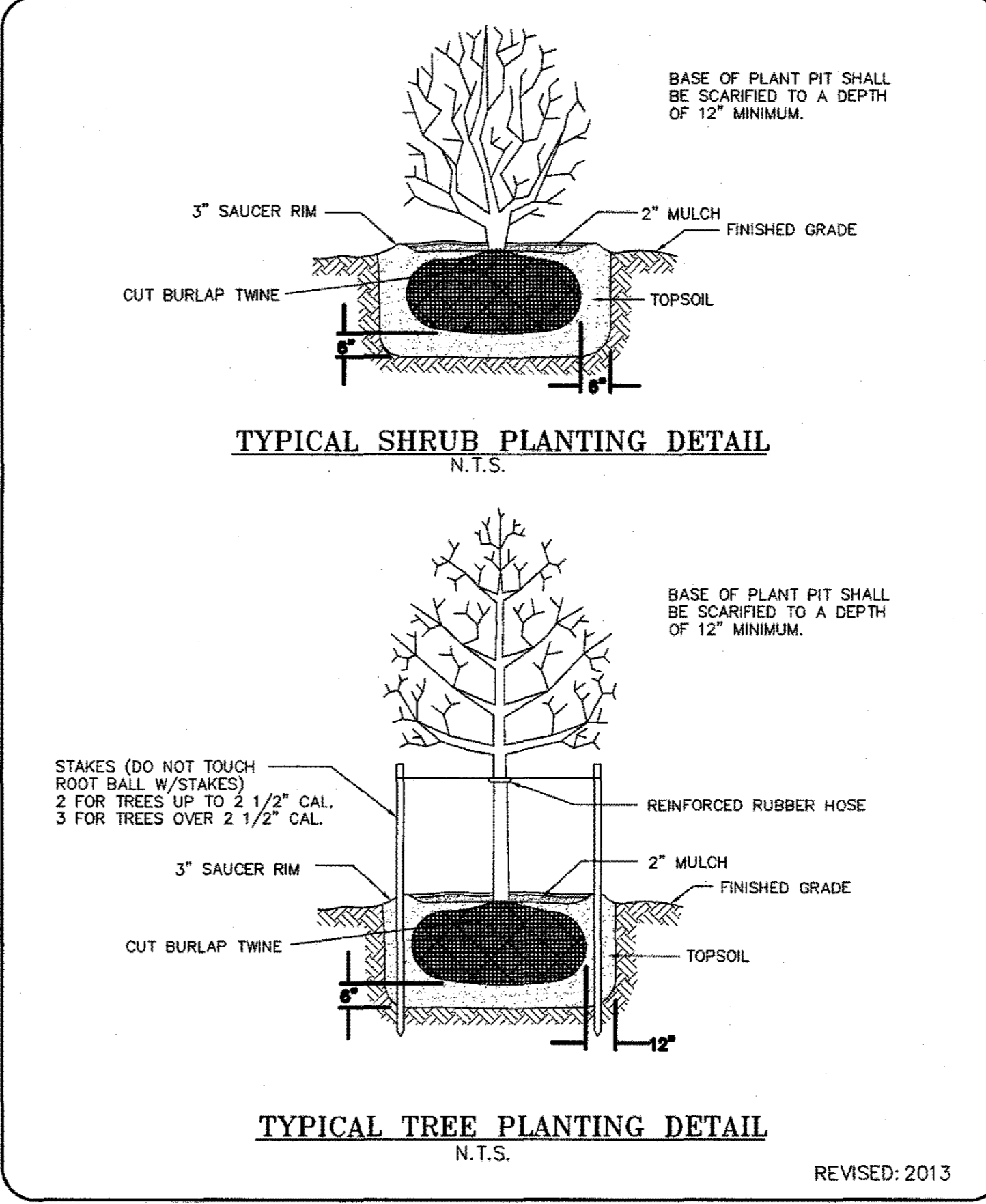
- STORMWATER MANAGEMENT AREA: "NET MEADOW", Ernst Conservation Seeds (ERNM-122); Seeding Rate: 20 LBS/AC.
- STORMWATER MANAGEMENT AREA SIDE SLOPES: "NATIVE STEEP SLOPE MIX", Ernst Conservation Seeds (ERNM-181); Seeding Rate: 60 LBS/AC.

**BIORETENTION PLANT MATERIALS LIST**

BIORETENTION: SPECIES PLUGS TO BE EVENLY DISTRIBUTED WITHIN DESIGNATED AREAS

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
182	AG	Andropogon gerardii	Big Bluestem	Plug	Flat	spacing @ 18"
36	BA	Baptisia australis	Blue False Indigo	Plug	Flat	spacing @ 18"
182	EJ	Euthyrium purpureum	Joe-Pye weed	Plug	Flat	spacing @ 18"
194	EP	Echinacea purpurea	Purple Coneflower	Plug	Flat	spacing @ 18"
63	GM	Geranium maculatum	Cranesbill	Plug	Flat	spacing @ 18"
63	HH	Hemerocallis 'Happy Returns'	Happy Returns Daylily	Plug	Flat	spacing @ 18"
30	HP	Heuchera 'Southern Comfort'	Coral Bells	Plug	Flat	spacing @ 18"
92	HS	Hellelithron sempervirens 'Sapphire'	Blue Oat Grass	Plug	Flat	spacing @ 18"
30	LS	Liatris spicata	Blooming Star	Plug	Flat	spacing @ 18"
182	LT	Linum catharticum	Linum catharticum	Plug	Flat	spacing @ 18"
782	SH	Sporobolus heterolepis	Proaire Droopseed	Plug	Flat	spacing @ 18"
124	SS	Schizanthus scoparium 'Prairie Blues'	Little Bluestem	Plug	Flat	spacing @ 18"
124	SY	Sedum spectabile 'Autumn Fire'	Sedum Autumn Fire	Plug	Flat	spacing @ 18"
63	TV	Trochostema virginicum	Soldierhead	Plug	Flat	spacing @ 18"
182	VN	Vernonia noveboracensis	New York Ironweed	Plug	Flat	spacing @ 18"
32	RF	Rudbeckia fulgida var. 'Goldsturm'	Goldsturm Black-Flwd Susan	Plug	Flat	spacing @ 18"

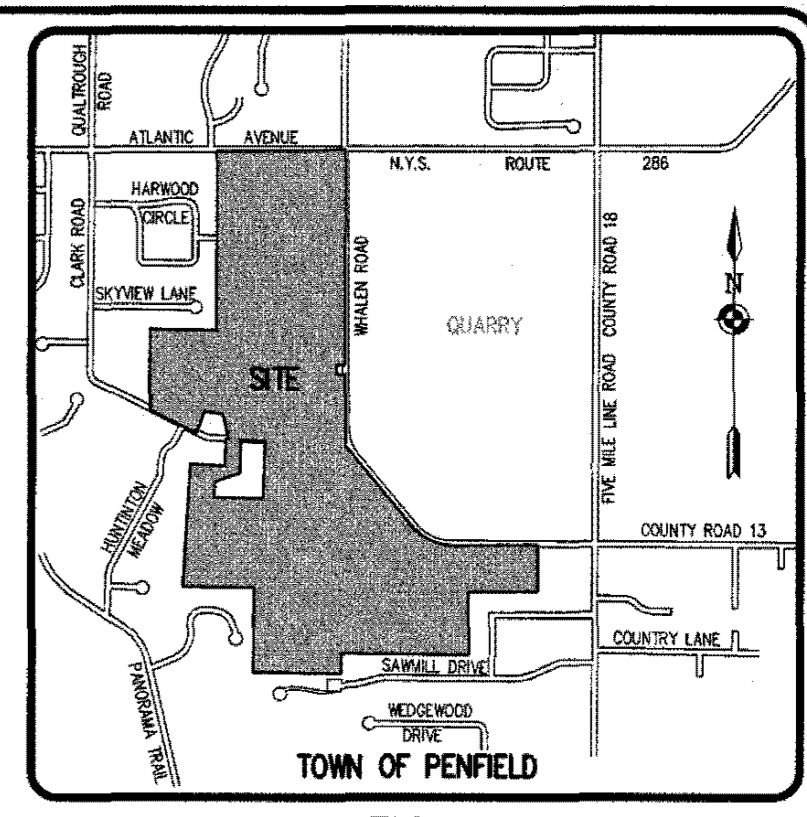
**TOWN OF PENFIELD STANDARD DETAIL #34**



**TYPICAL SHRUB PLANTING DETAIL**  
N.T.S.

**TYPICAL TREE PLANTING DETAIL**  
N.T.S.

REVISED: 2013



**LOCATION MAP**  
NOT TO SCALE

**Drawing Attention:**  
The following are exempt from the New York State Education Law Article 142 Section 222 and apply to this drawing:  
1. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
2. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
3. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
4. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
5. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
6. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
7. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
8. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
9. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.  
10. No 1/2" relation of this law for any person, unless he is acting under the direction of a licensed professional.

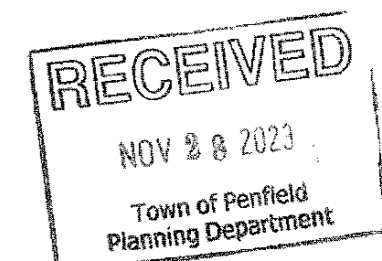
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NO.	DATE	BY	REVISIONS
1	11/23/23	AR	1 PER TOWN COMMENTS
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14			

**BME ASSOCIATES**  
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS  
3100 BUFF BRIDGE LANE EAST  
PENFIELD, NY 14556  
WWW.BMEASSOCIATES.COM

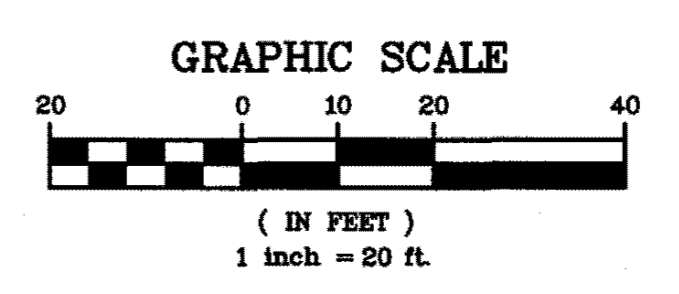


**SHADOW PINES PHASE 1**  
TOWN OF PENFIELD, WARREN COUNTY, NEW YORK STATE  
PENFIELD, NY 14556  
CONSTRUCTION PLANS  
LANDSCAPE PLAN  
PROJECT LOCATION CLIENT DRAWING TITLE



**APPROVALS**

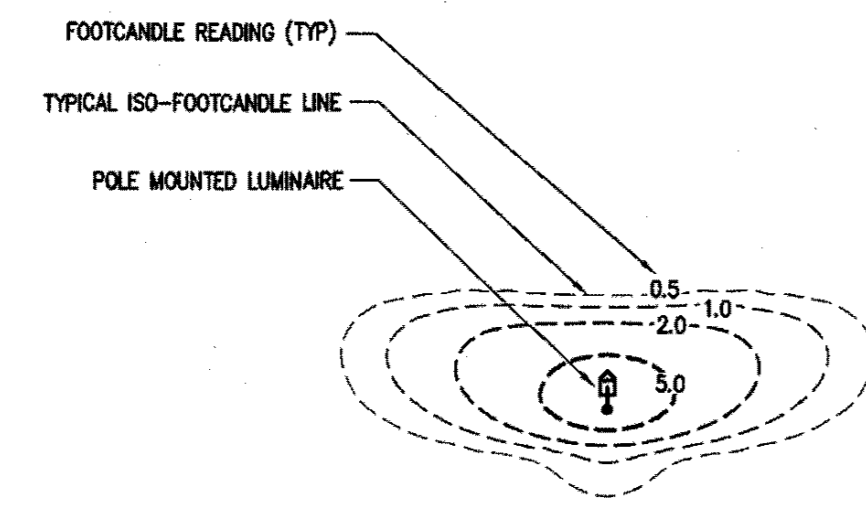
BY: <i>How Platt</i>	DATE: 12/5/23
ENGINEERING AND PLANNING	
BY: <i>Joe Schell</i>	DATE: 12/5/23
LANDSCAPE CONSULTANT	
BY: <i>Eric Cook</i>	DATE: 12/5/23
DIRECTOR OF PUBLIC WORKS	



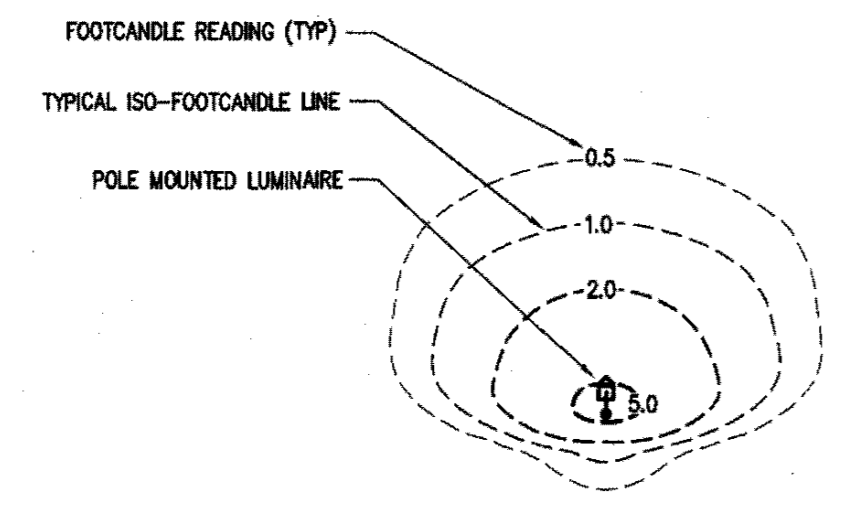
PROJECT MANAGER: A. SPENCER  
PROJECT ENGINEER: F. SHELLEY  
DRAWN BY: J. SPOER  
SCALE: 1" = 20'  
DATE ISSUED: OCTOBER 31, 2023  
PROJECT NO.: 2681A  
DRAWING NO.: C05  
(SHEET 2 OF 2)



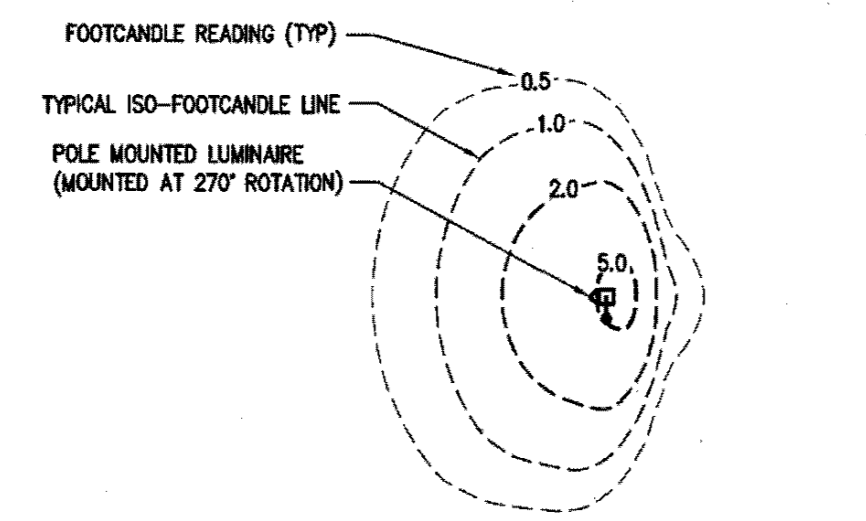
LUMINAIRE SCHEDULE										
SYMBOL	LABEL	QTY.	MANUFACTURER	CATALOG NUMBER	ARRANGEMENT	LUMENS	LUMENS/WATT	LF	MP	POLE DESCRIPTION
A	A	2	GARDCO	ED-S-32L-1A-NW-02-AR-3-UNV-00Y	SINGLE	13,600	130	1	20'	18" EDCOFORM GEN-2 AREA LUMINAIRE - TYPE 4 DISTRIBUTION
B	B	6	GARDCO	ED-S-32L-1A-NW-02-AR-4-UNV-00Y	SINGLE	14,000	133	1	20'	18" EDCOFORM GEN-2 AREA LUMINAIRE - TYPE IV DISTRIBUTION
B*	B*	1	GARDCO	ED-S-32L-1A-NW-02-AR-4-270-UNV-00Y	SINGLE @ 270°	14,000	133	1	20'	18" EDCOFORM GEN-2 AREA LUMINAIRE - TYPE IV DISTRIBUTION ROTATED 270°



TYPE A

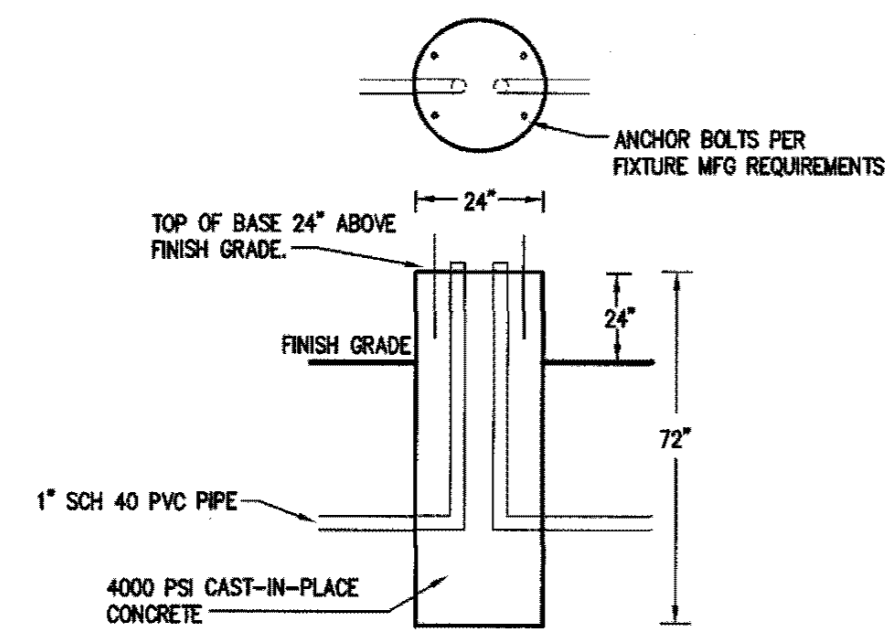


TYPE B



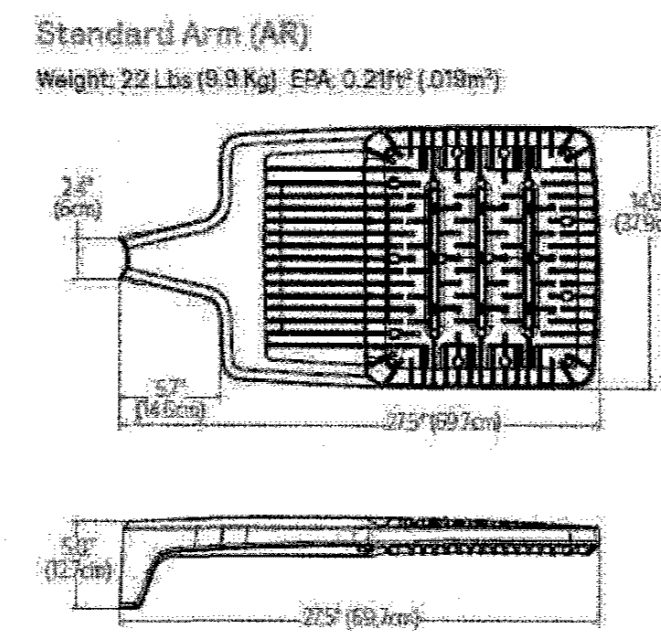
TYPE B\*

LIGHT FIXTURE PHOTOMETRICS  
N.T.S.

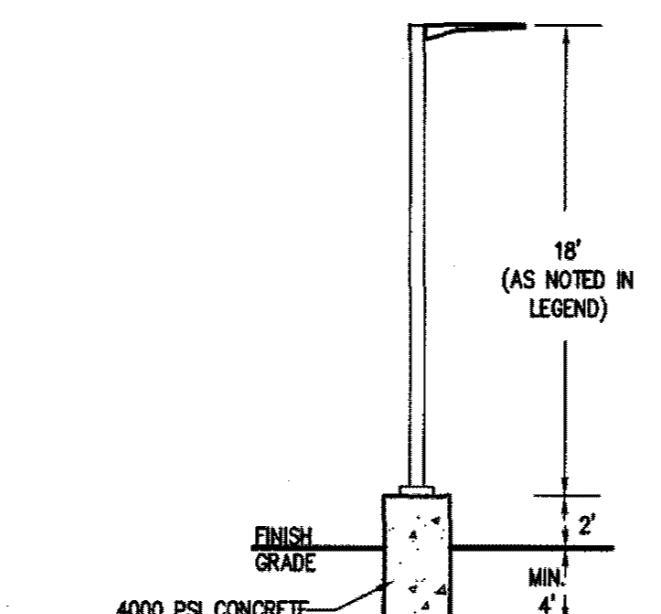


LIGHT POLE BASE DETAIL  
N.T.S.

- LIGHTING NOTES:**
- TYPE A LIGHTING FIXTURE TO BE GARDCO EDCOFORM GEN-2 LED POLE MOUNT FIXTURE WITH 70 OR 4000K COLOR TEMPERATURE, TYPE 4 LIGHT DISTRIBUTION, UNIVERSAL VOLTAGE AND DARK GRAY FINISH OR APPROVED EQUIVALENT.
  - TYPE B LIGHTING FIXTURE TO BE GARDCO EDCOFORM GEN-2 LED POLE MOUNT FIXTURE WITH 70 OR 4000K COLOR TEMPERATURE, TYPE 4 LIGHT DISTRIBUTION, UNIVERSAL VOLTAGE AND DARK GRAY FINISH OR APPROVED EQUIVALENT, TYPE B\* TO HAVE ROTATED OPTICS PER SCHEDULE.
  - LIGHT POLE TO BE GARDCO RA STRAIGHT ROUND ALUMINUM POLE OR APPROVED EQUIVALENT.  
GARDCO # RA45-CB-18-01-00Y
  - IF AN EQUIVALENT FIXTURE IS PROPOSED THE LIGHTING CONTRACTOR SHALL SUPPLY SPEC. SHEETS FOR ALL LIGHT FIXTURES AND LIGHT POLES FOR OWNER REVIEW AND APPROVAL PRIOR TO INSTALLATION.
  - LIGHTING CONTRACTOR TO COORDINATE FINAL LOCATION AND HEIGHT OF BUILDING MOUNTED FIXTURES WITH BUILDING ARCHITECT.
  - CONTRACTOR TO PROVIDE FINAL CUT SHEET AND SHOP DRAWINGS OF PROPOSED LIGHT FIXTURES AND POLES FOR REVIEW AND APPROVAL BY OWNER PRIOR TO INSTALLATION. IF AN APPROVED EQUIVALENT FIXTURE IS SPECIFIED, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE LIGHTING POINT PLOT FOR OWNER REVIEW AND APPROVAL PRIOR TO INSTALLATION.
  - CONTRACTOR TO PROVIDE LIGHTING DESIGN FOR ILLUMINATION OF TWELVE (12) PICKLEBALL COURTS BASED UPON LIGHTING GUIDANCE FROM USA PICKLEBALL FOR INSTALLATION AT A LATER DATE. LIGHTING PLAN TO BE REVIEWED AND APPROVED BY THE TOWN OF PENFIELD. CONTRACTOR TO PROVIDE CONDUIT RUNS PRIOR TO INSTALLATION OF PICKLEBALL COURTS FOR FUTURE USE.

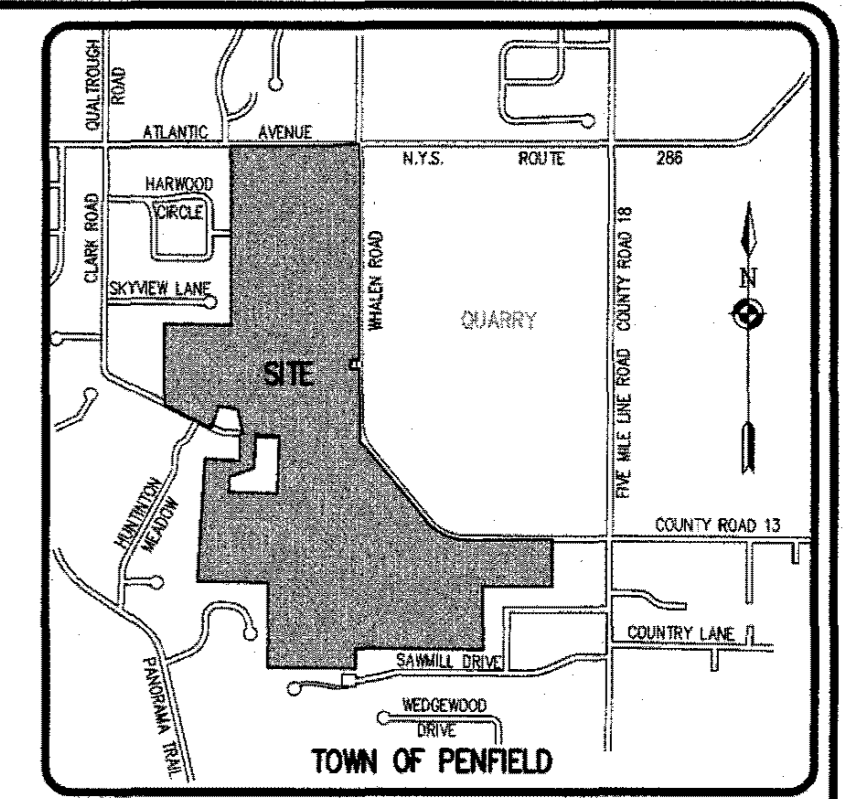
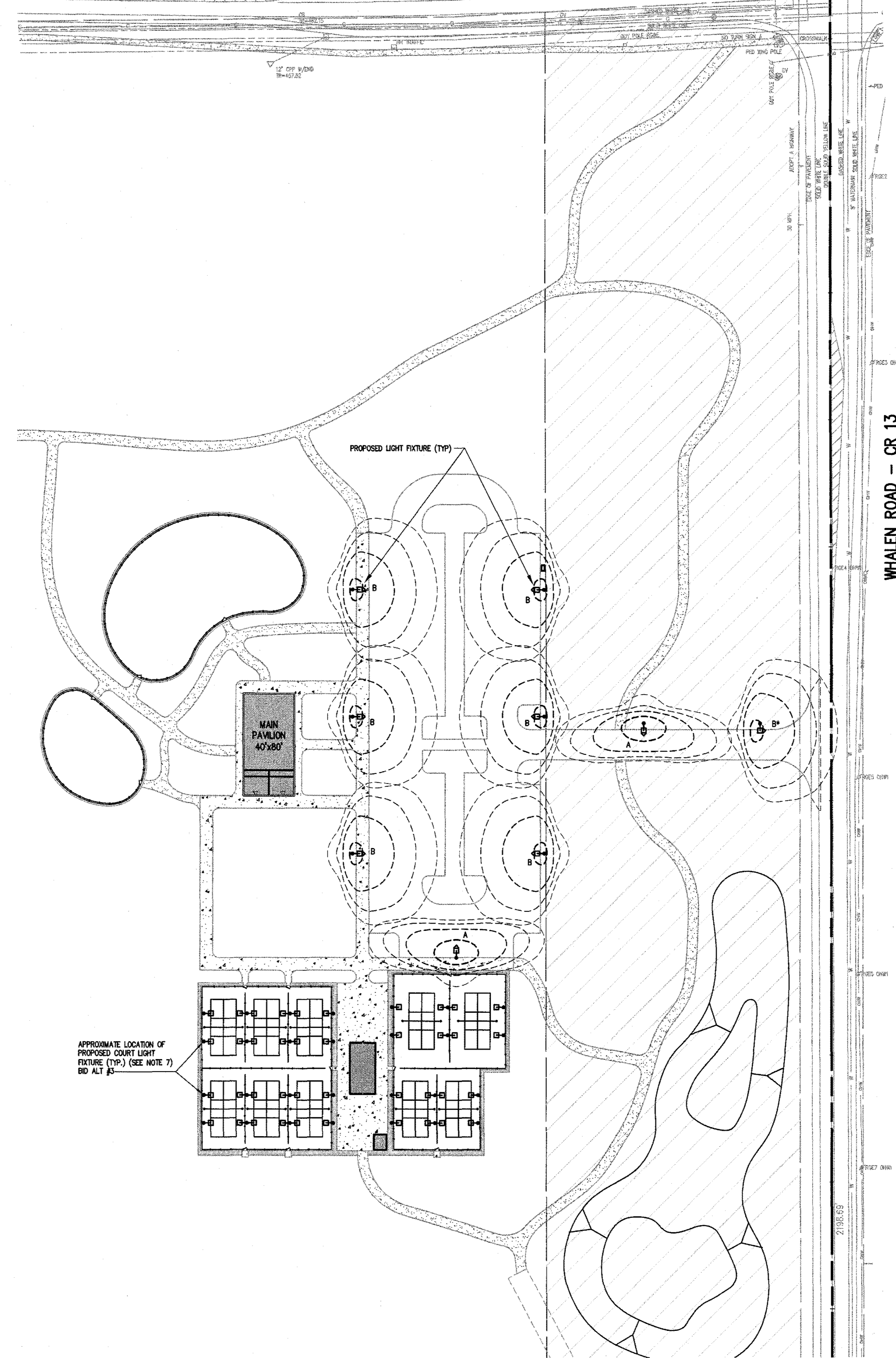


LIGHT FIXTURE DETAIL (POLE MOUNT)  
N.T.S.

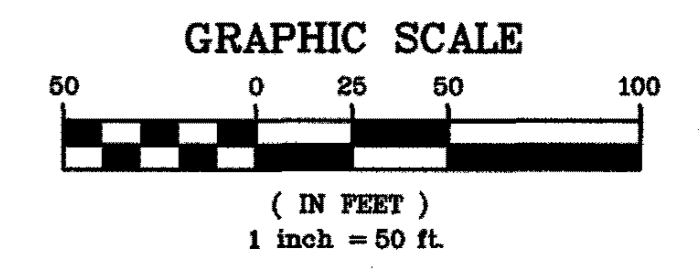


20' MOUNTING HEIGHT LIGHT POLE DETAIL  
N.T.S.

ATLANTIC AVENUE - N.Y.S. ROUTE 286  
(46.5' RIGHT-OF-WAY)



LOCATION MAP  
NOT TO SCALE



GRAPHIC SCALE  
( IN FEET )  
1 inch = 50 ft.

**Drawing Attention:**  
The drawing is an extract from the New York State Education Law Article 142 Section 702B and applies to the drawing.

This is a certification of this law for any person who is a duly licensed professional engineer or architect and who is not bound to any way of or has been working the use of an engineer or architect in the State of New York. The drawing is not intended to be used in any way other than as specifically stated by the drawing. The drawing is not intended to be used in any way other than as specifically stated by the drawing. The drawing is not intended to be used in any way other than as specifically stated by the drawing.

NO.	DATE	BY	REVISIONS
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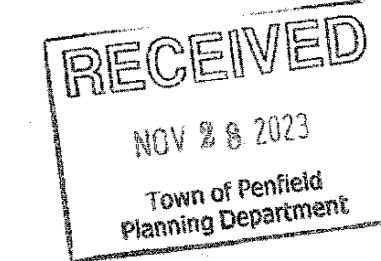
NO.	DATE	BY	REVISIONS
1	11/28/23	ARS	
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7			

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FAX: 562-772389  
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**SHADOW PINES PHASE 1**  
PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT MANAGER: A. SPENCER  
PROJECT ENGINEER: F. SHELLEY  
DRAWN BY: A. SCHER  
SCALE: 1" = 50'  
DATE ISSUED: OCTOBER 31, 2023  
PROJECT NO.: 2681A

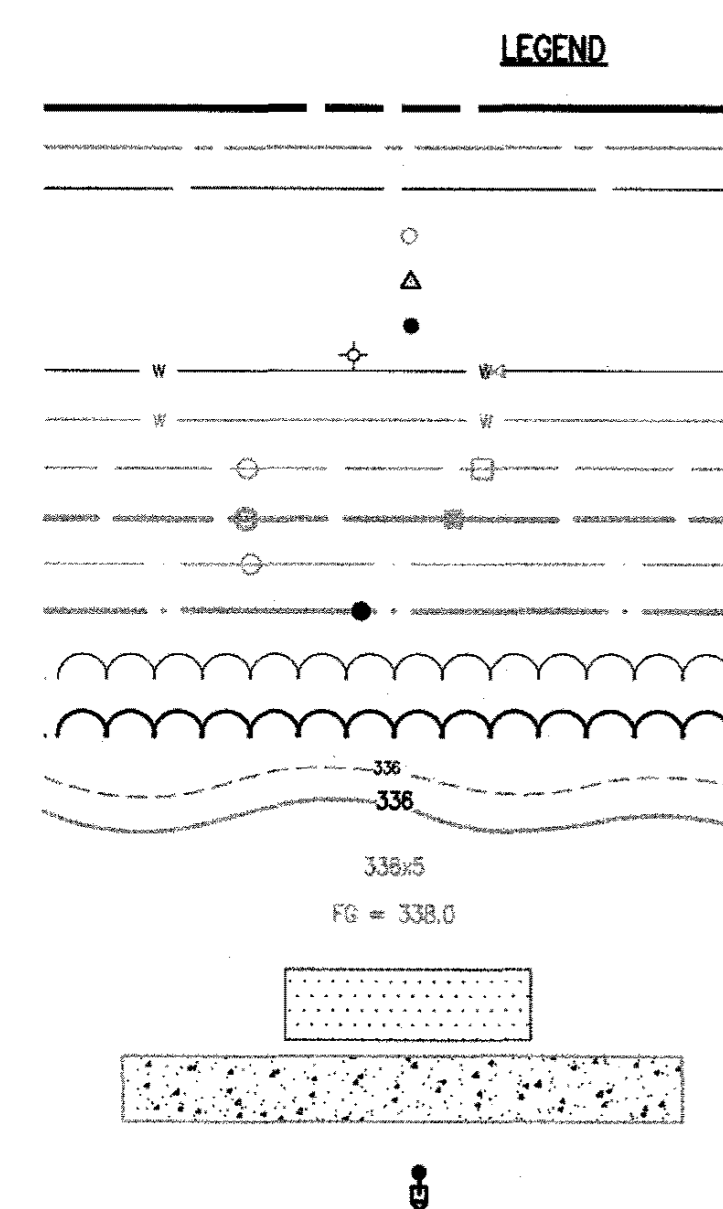


**APPROVALS**

BY: *Mark R. [Signature]* DATE: 12/5/23  
ENGINEERING AND PLANNING

BY: *Wendy [Signature]* DATE: 12/5/23  
LANDSCAPE CONSULTANT

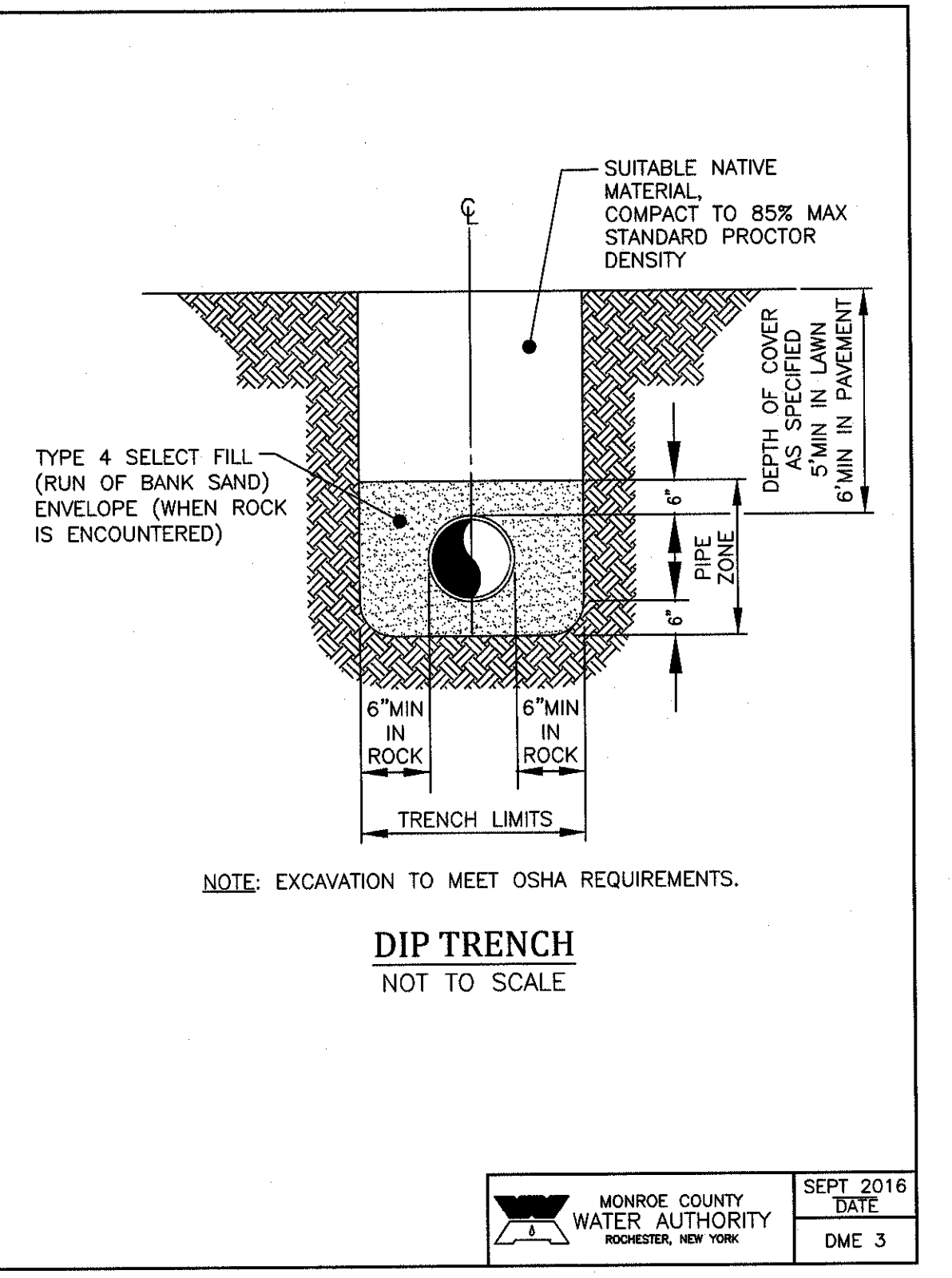
BY: *[Signature]* DATE: 12/5/23  
DIRECTOR OF PUBLIC WORKS



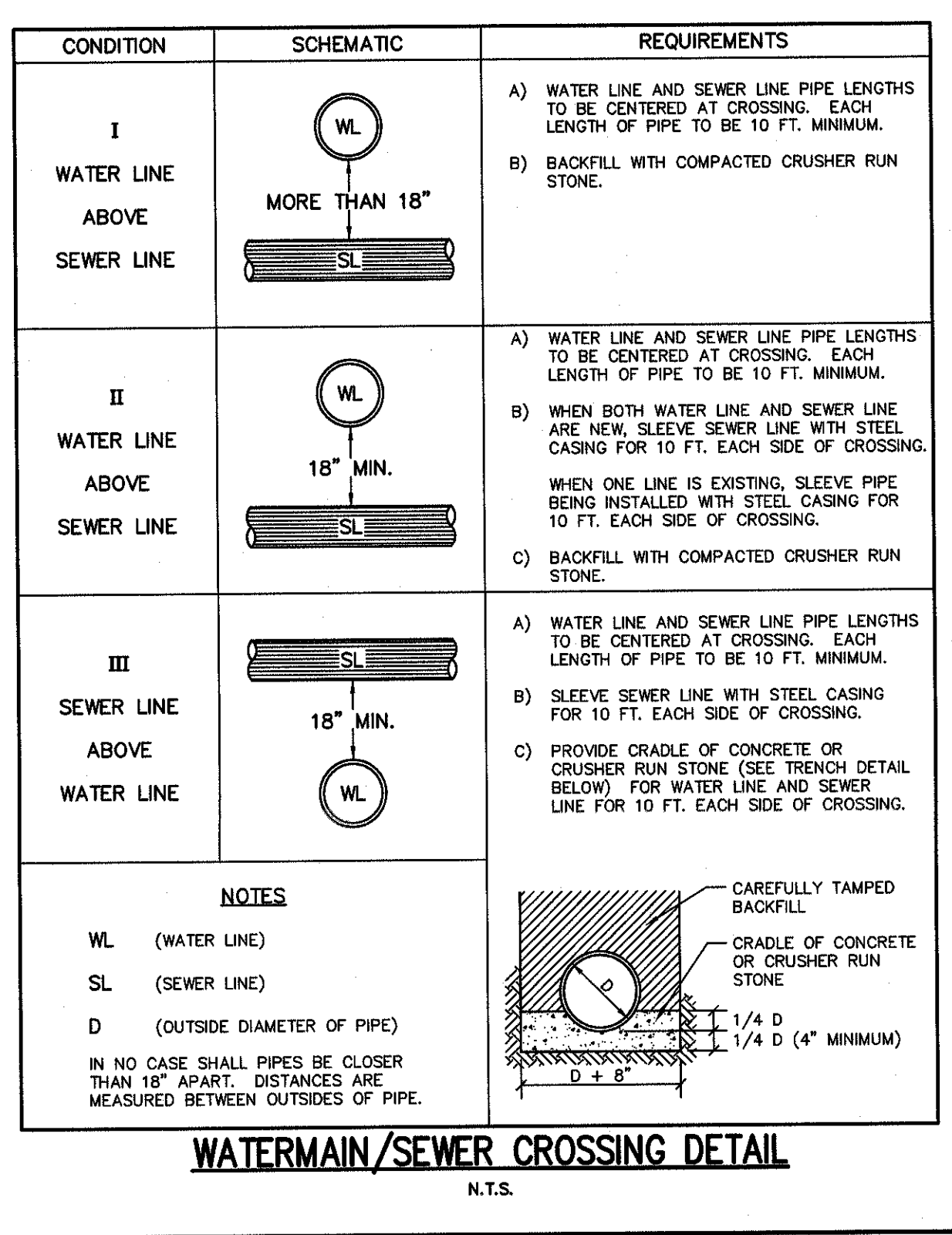
- BOUNDARY LINE
- CENTERLINE
- SETBACK LINE
- PROPERTY MARKER FOUND
- CONCRETE HIGHWAY MONUMENT FOUND
- WOOD FENCE POST FOUND
- EX. WATERMAIN, HYDRANT AND VALVE
- PROPOSED WATER SERVICE
- EXISTING STORM SEWER, AND MANHOLE
- PROPOSED STORM SEWER, MANHOLE AND INLET
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING TREELINE
- PROPOSED TREE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED FINISHED GRADE
- 200' SHADOW PINES BUFFER
- PROPOSED CONCRETE (SEE DETAILS & PLAN FOR THICKNESS)
- PROPOSED LIGHT FIXTURE

PENFIELD & CORHAM PARCELS, TOWNSHIP 13, RANGE 4, TOWN LOT 51 & 52, TIA MAP NUMBER 12-09-1-1, 12-13-1-1, 12-13-1-2, 12-13-1-3 & 12-13-1-4

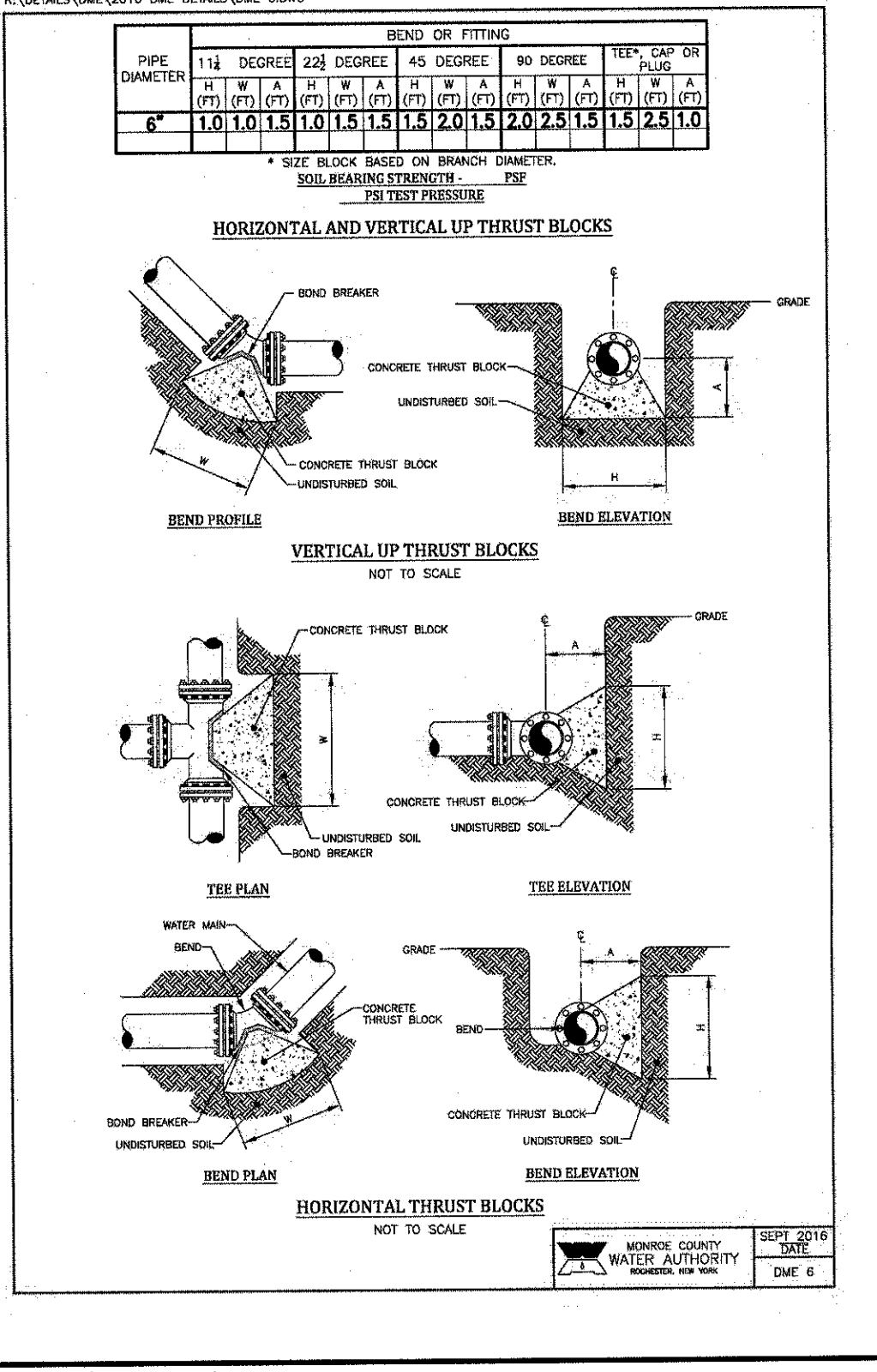




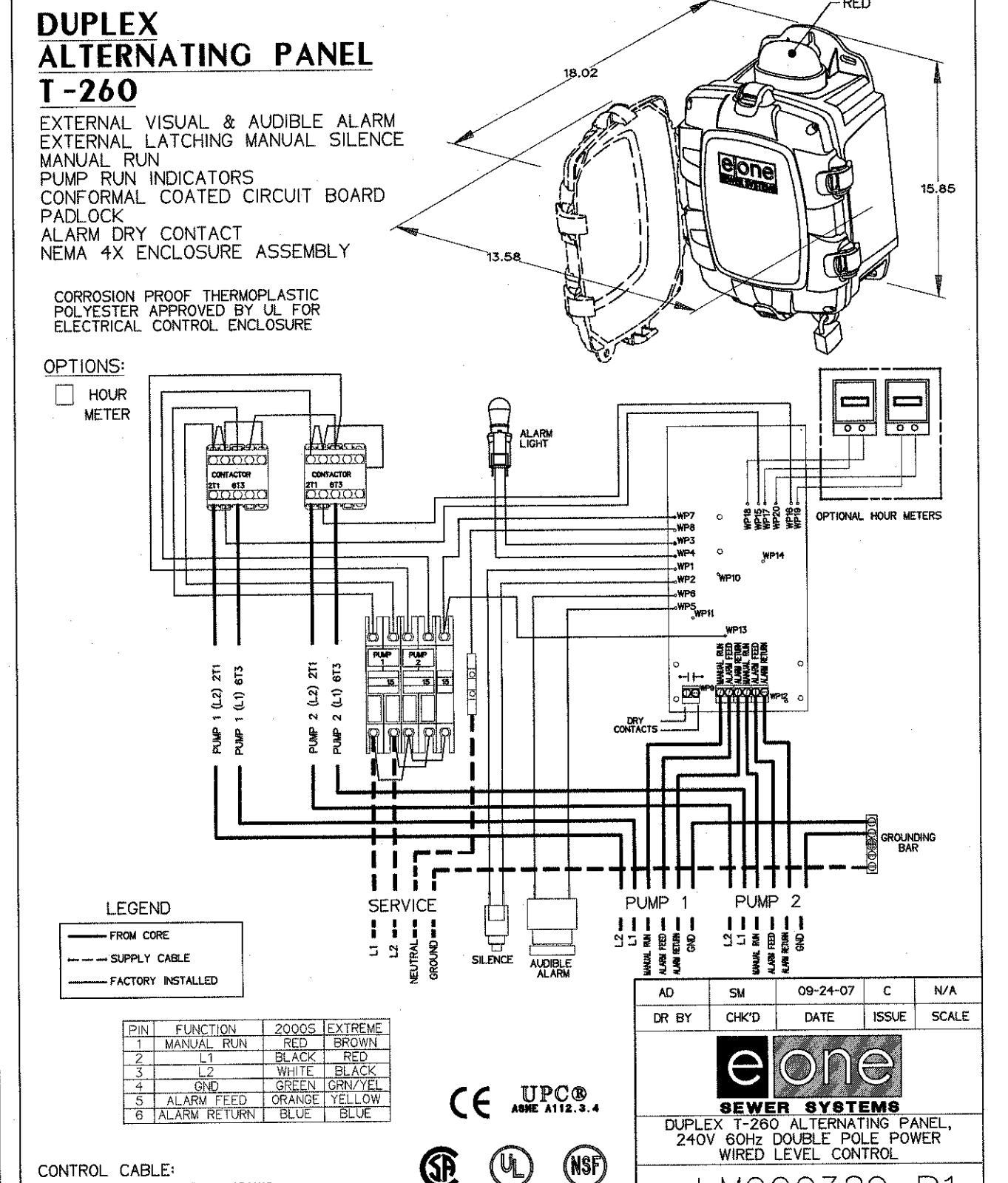
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



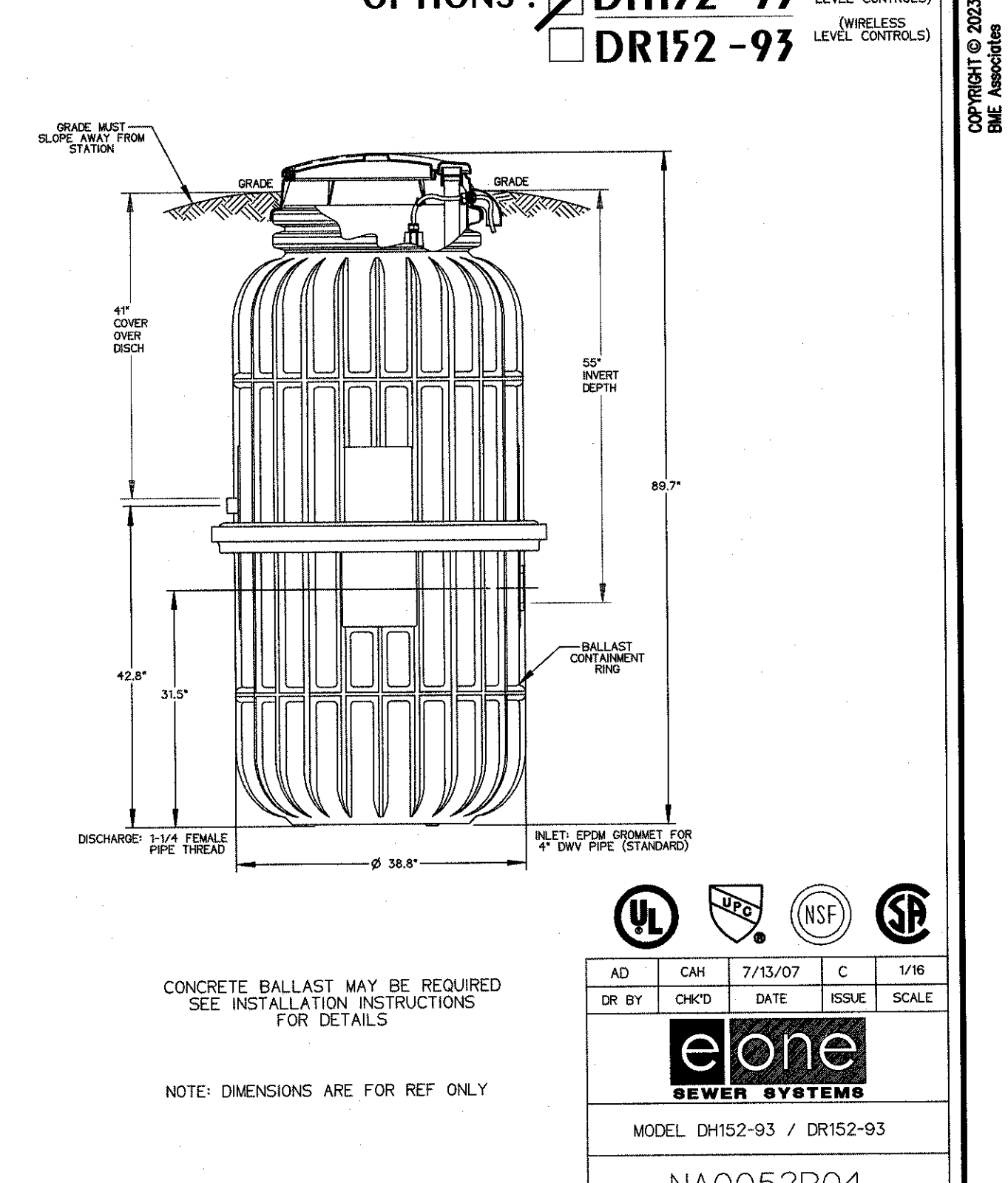
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ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



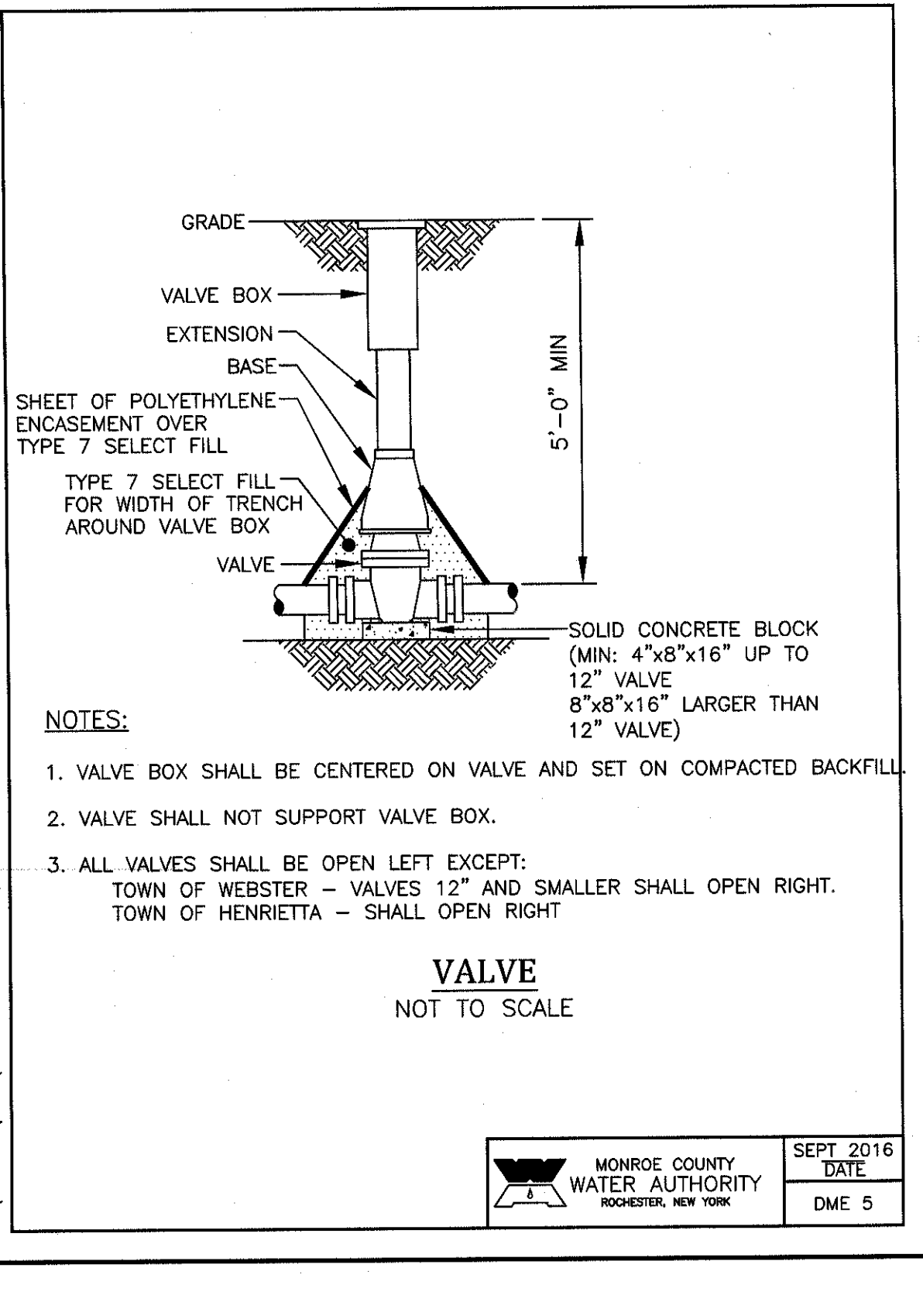
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



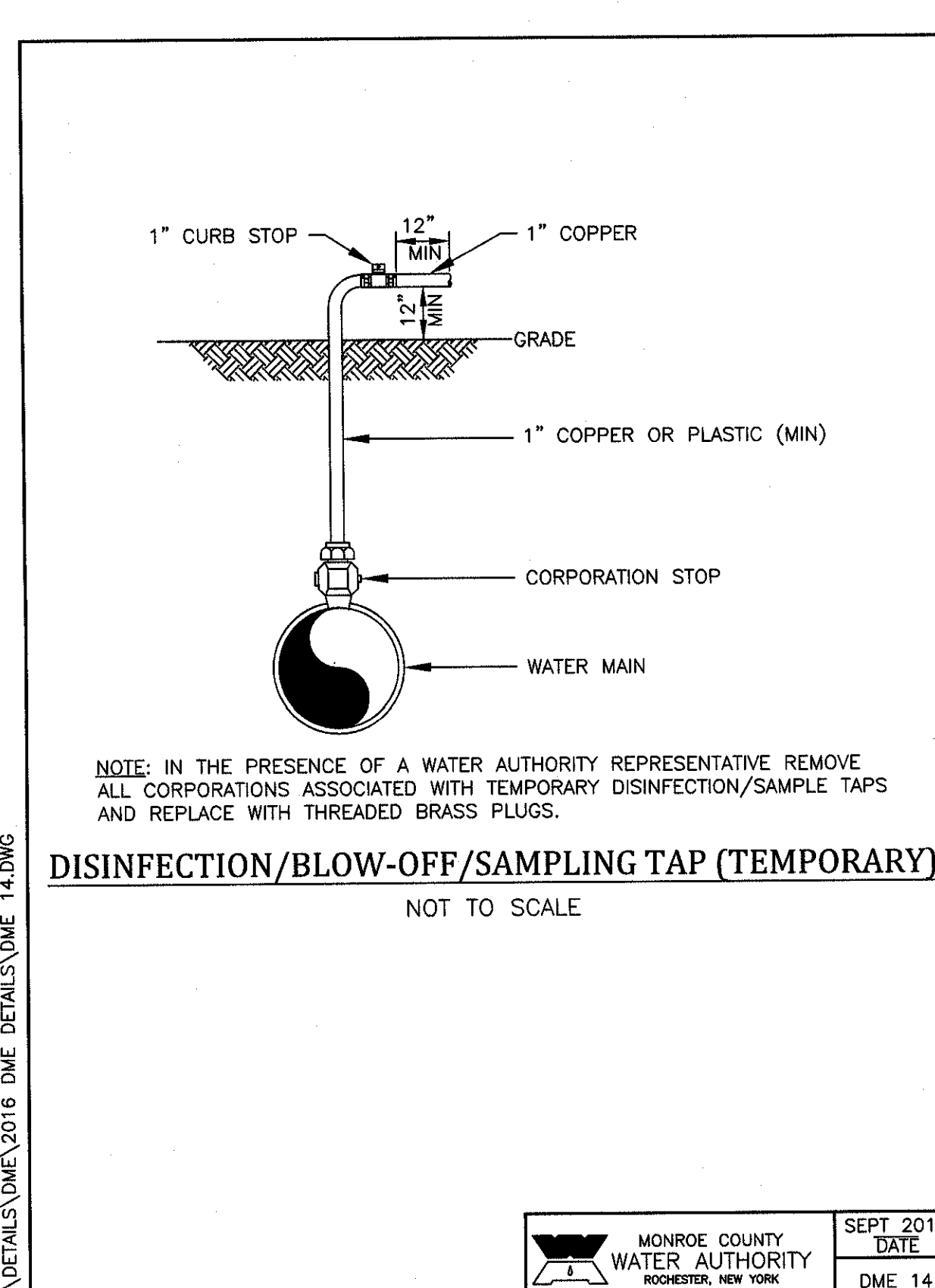
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



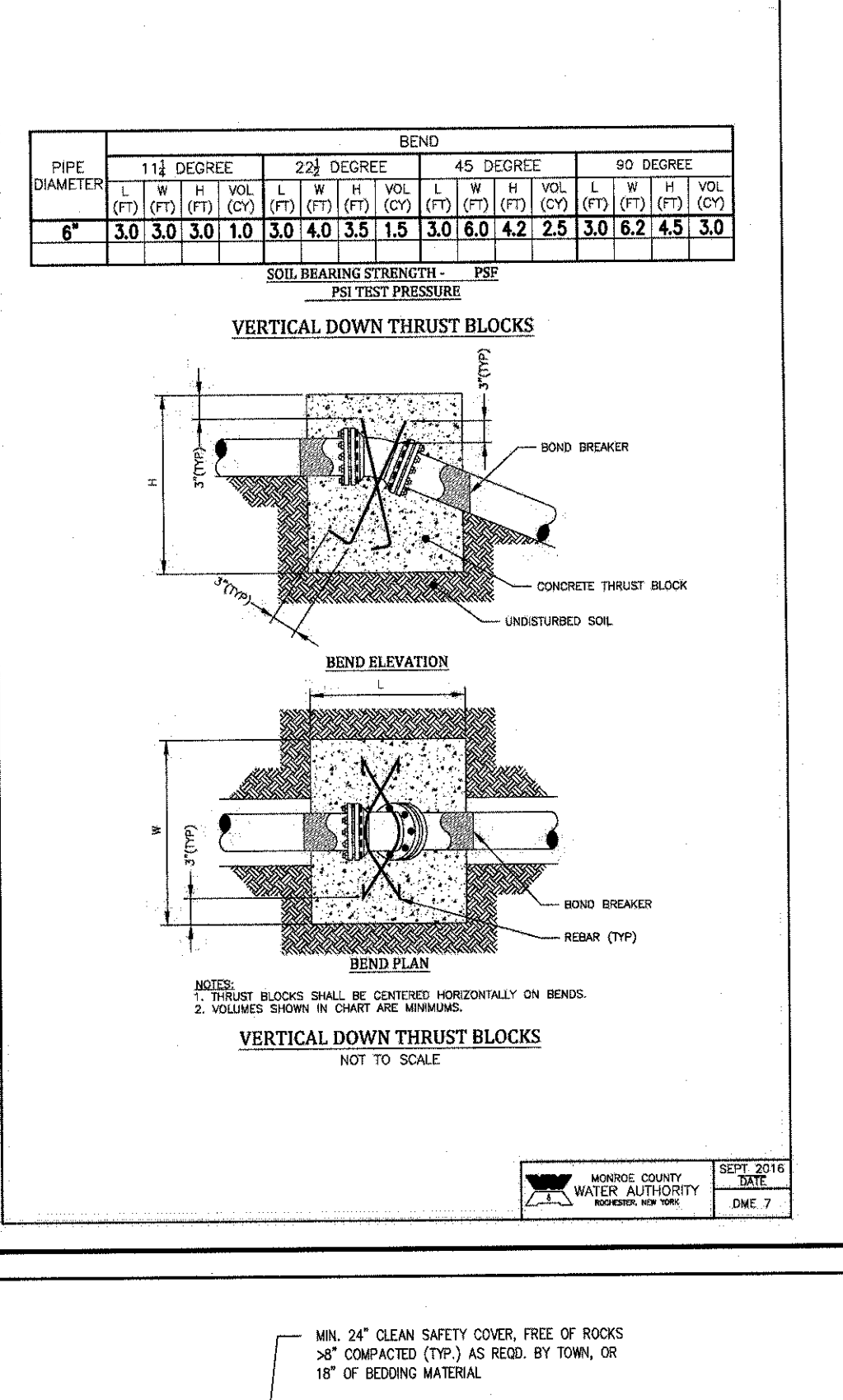
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



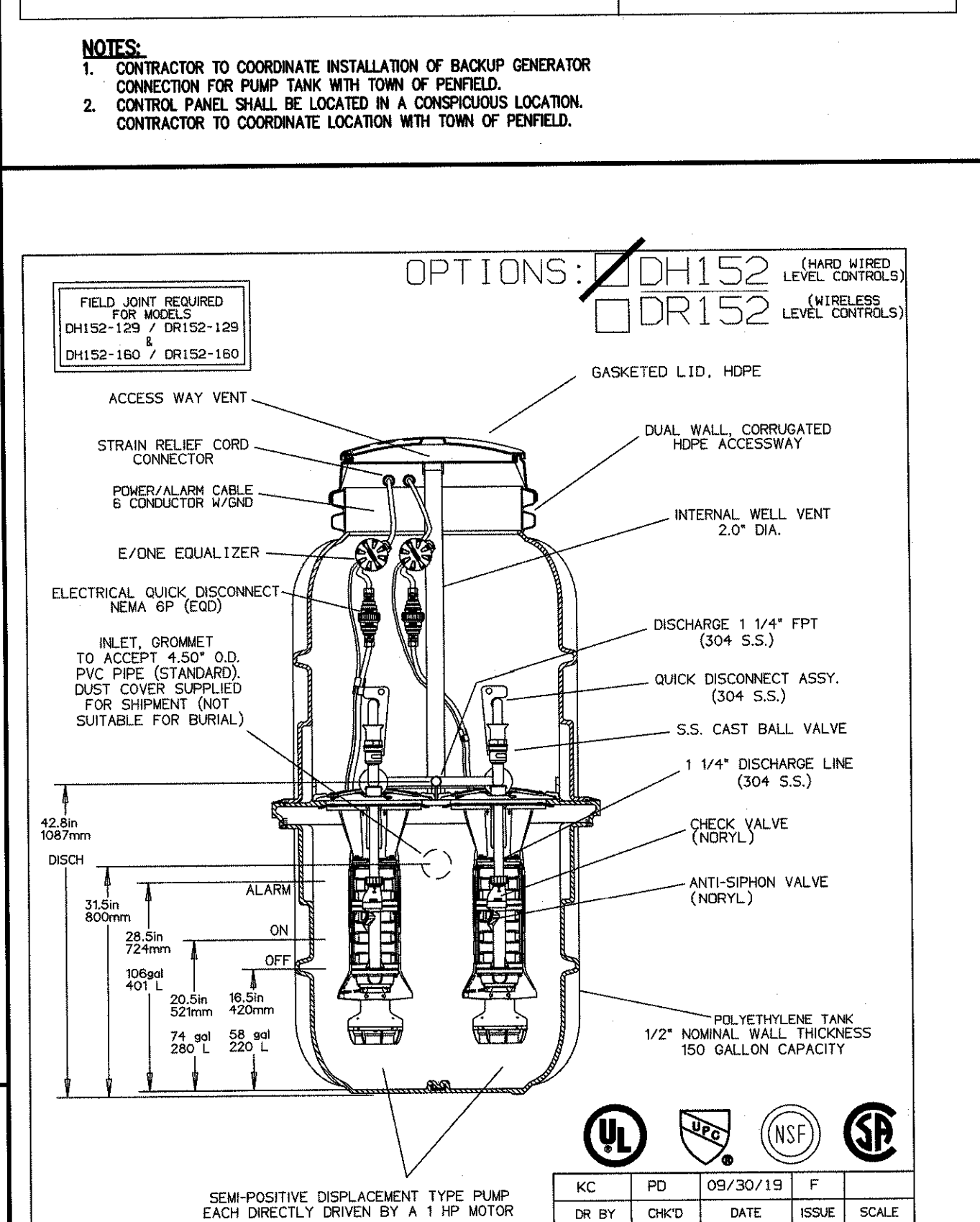
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 5



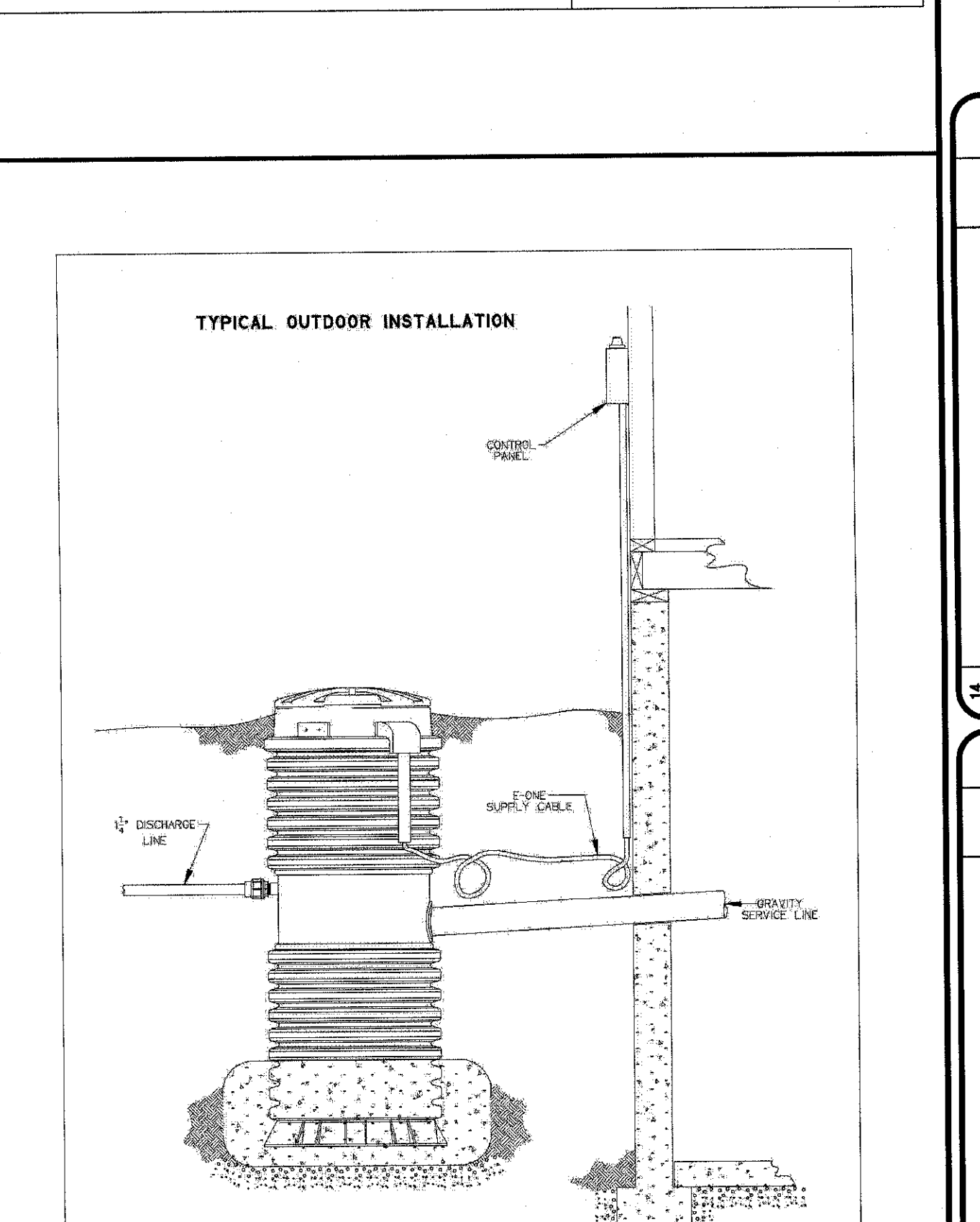
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 14



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3

**4" AND LARGER WATER SERVICE LINE NOTES**

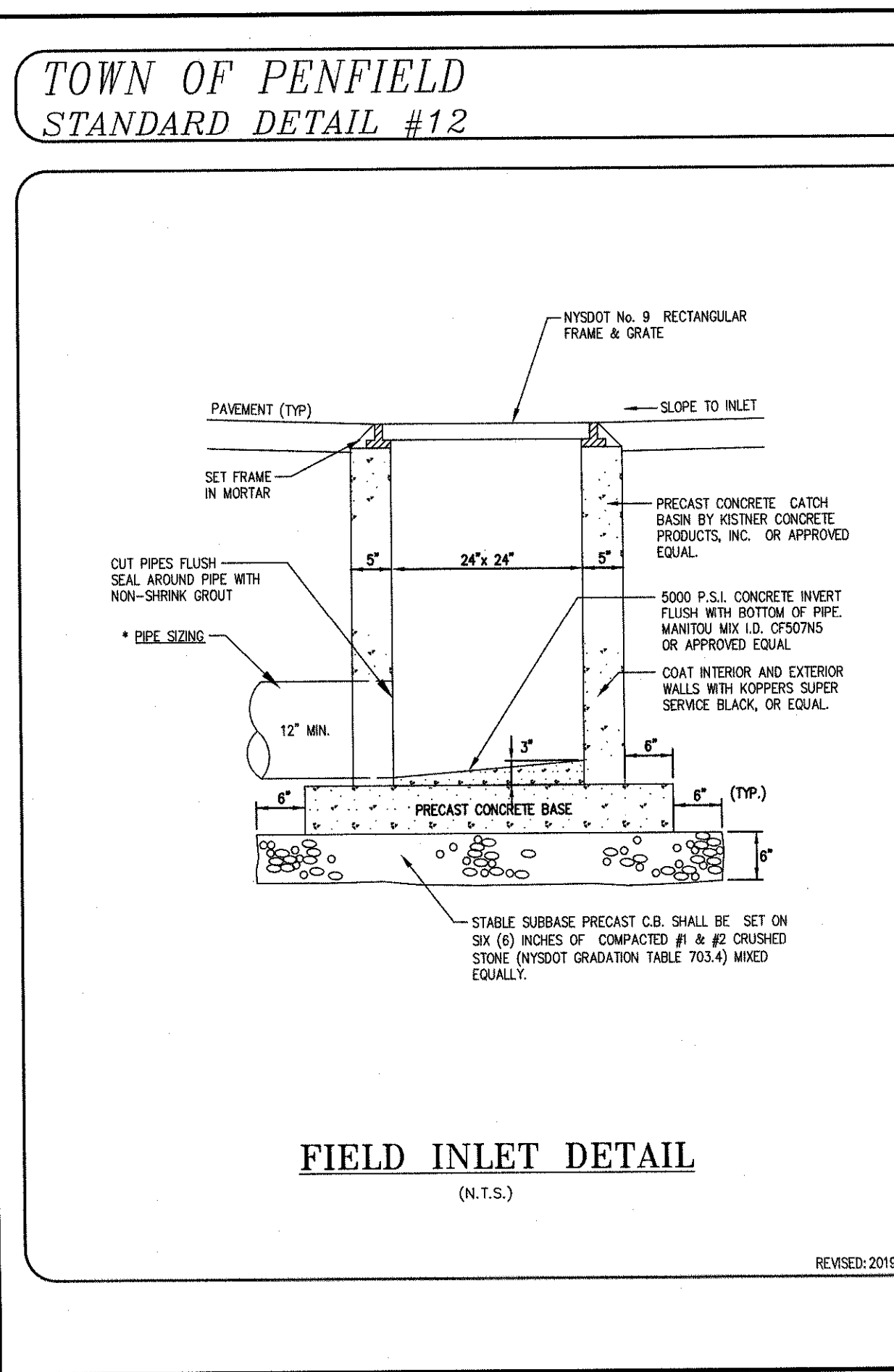
- Water service lines shall be constructed in accordance with the regulations and specifications of the Water Authority.
- Water service lines shall have a minimum of five feet of cover from finished grade in lawn areas and six feet of cover from finished grade in paved areas.
- Water service lines shall be separated at least ten feet, measured from the outside of the pipes, from sewer mains or septic systems.
- Water service lines shall be identified as:
 

DESCRIPTION	SIZE	MATERIAL <sup>(1)</sup>	TYPE <sup>(2)</sup>
MCWA Portion: from the water main to and including the control valve on the ROW/property/easement line	6"	D.I.P.*	CMB
Private Portion: from the control valve to the meter	6"	D.I.P.*	CMB

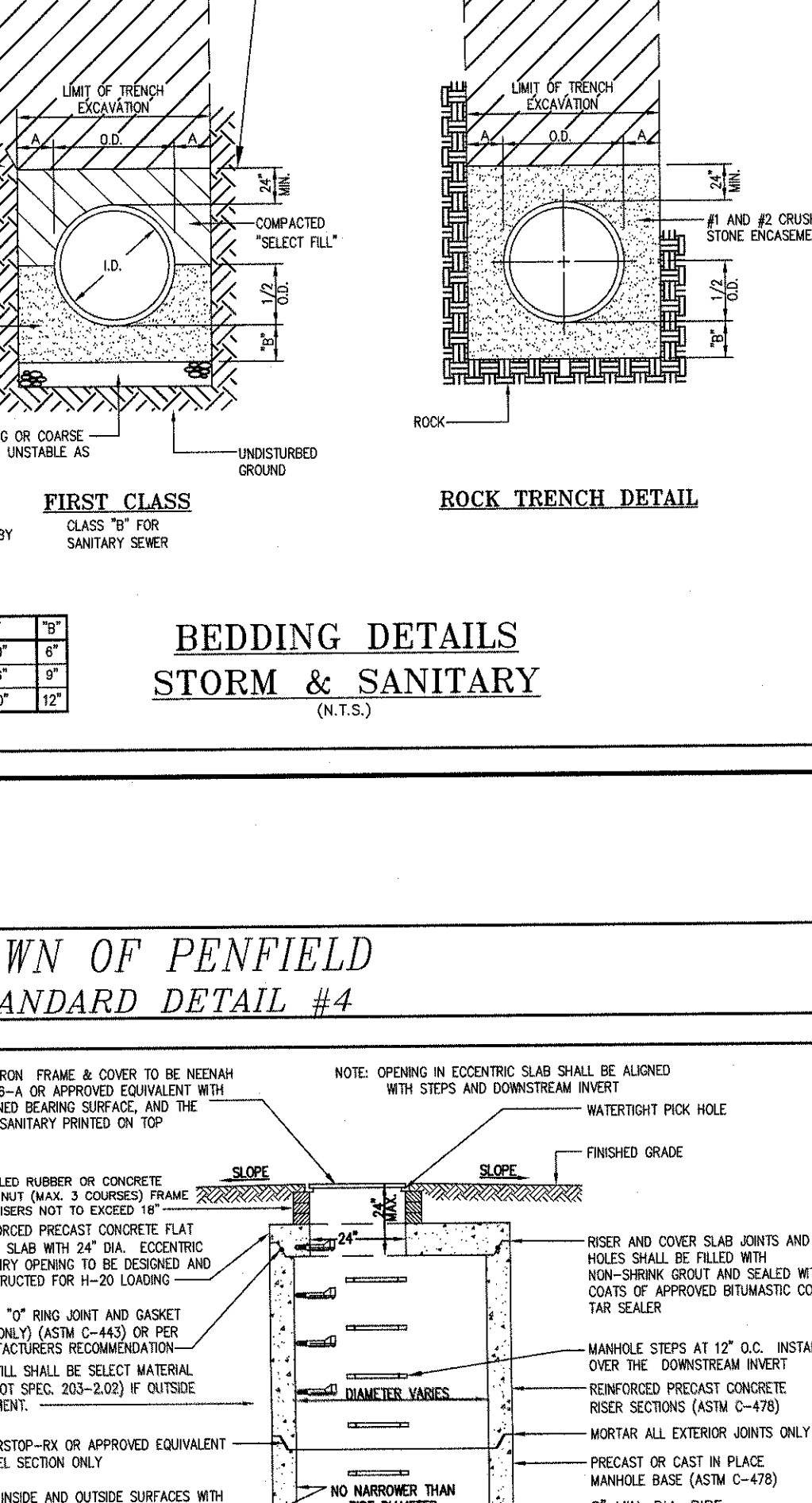
1. The Water Authority's portion of the water service line shall be installed prior to the private portion of the service line.

- Water meter(s) to be located on the interior of exterior wall(s) immediately upon service entrance into the building(s). A bypass assembly is not required around the installation of 5/8-inch through 1-inch meters. 1 1/4-inch + 2-inch Meter installations may require a bypass assembly around the meter. Meter installation 3-inch or greater require a bypass assembly around the meter.
- Water service lines sized 4-inches or greater shall be:
  - Pressure tested in accordance with the latest specifications of the Monroe County Water Authority. A Water Authority representative must witness this test.
  - Disinfected by using the continuous feed method according to AWWA Standard Specifications. After flushing and disinfecting the service line, water samples shall be collected in accordance with the Department of Health that has jurisdiction of the areas requirements. Approval and notification by the Health Department of passing health sample test(s) must be received before the service will be activated by the Water Authority.

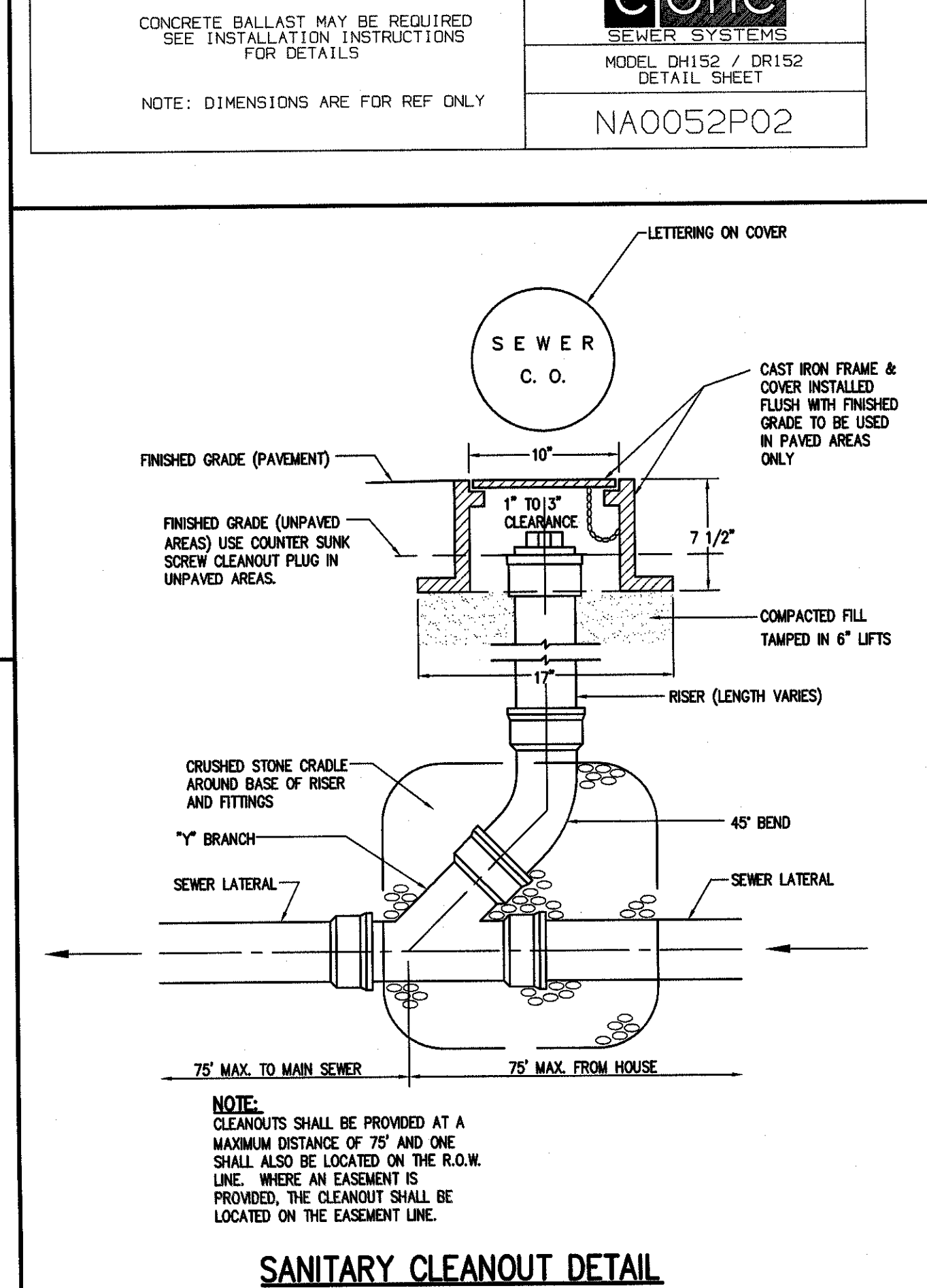
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: DEC 2020  
DME 26



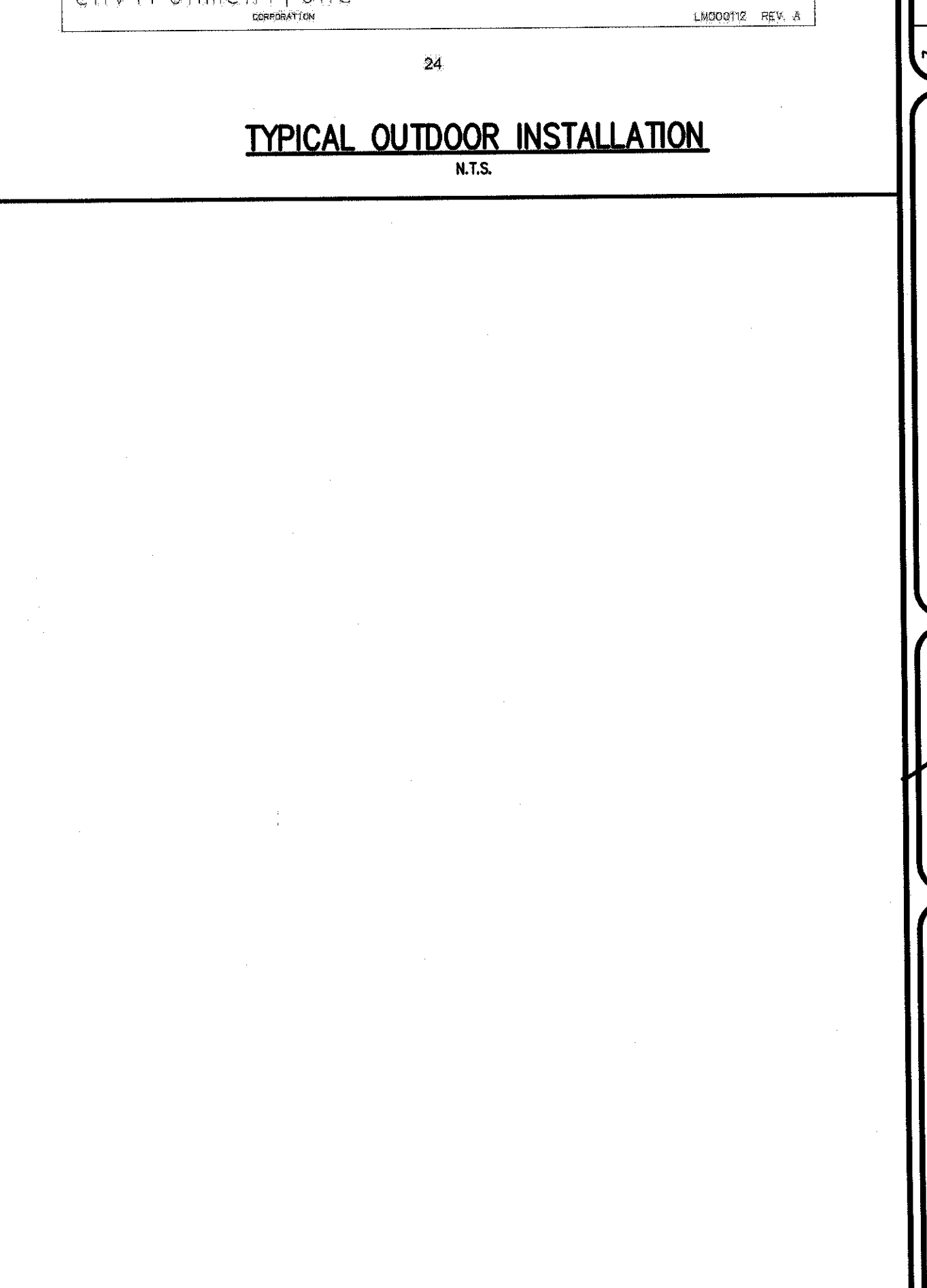
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 14



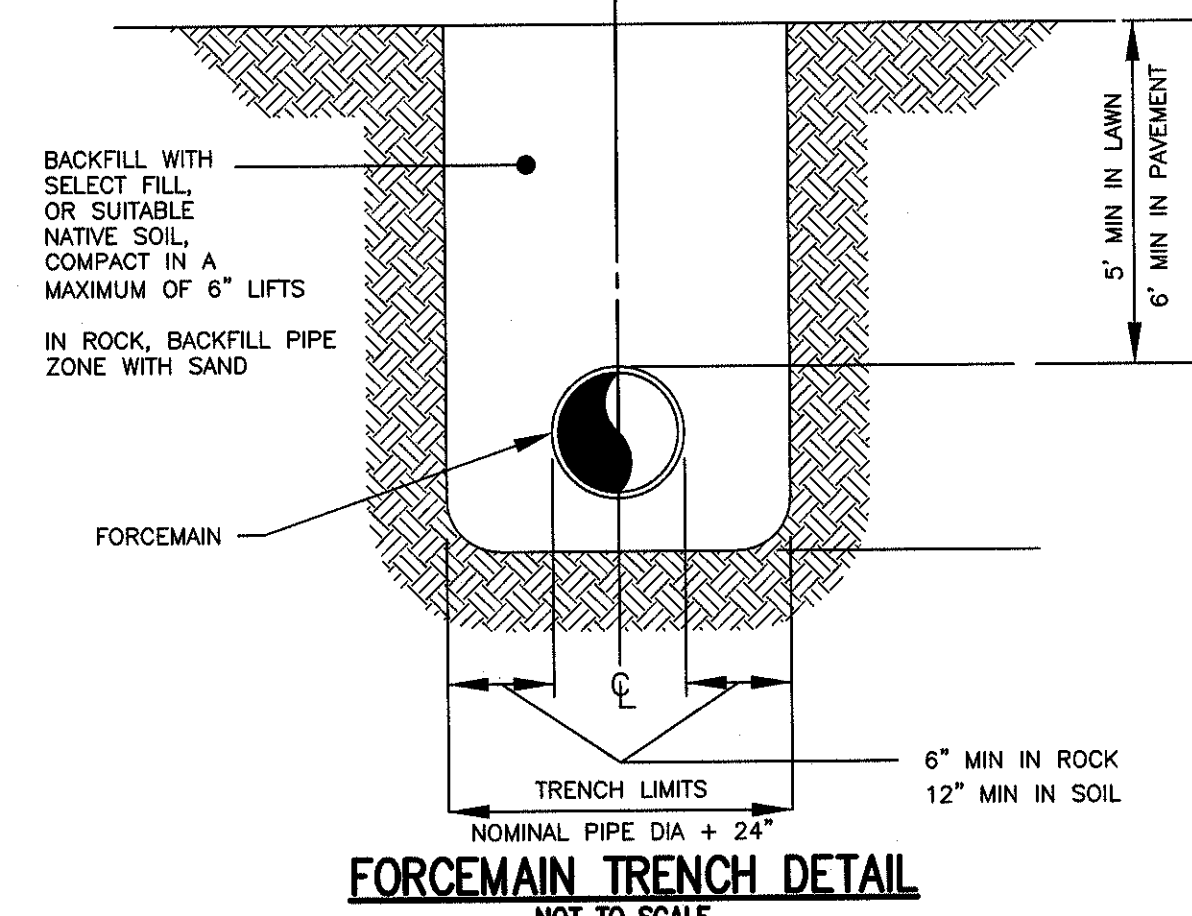
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



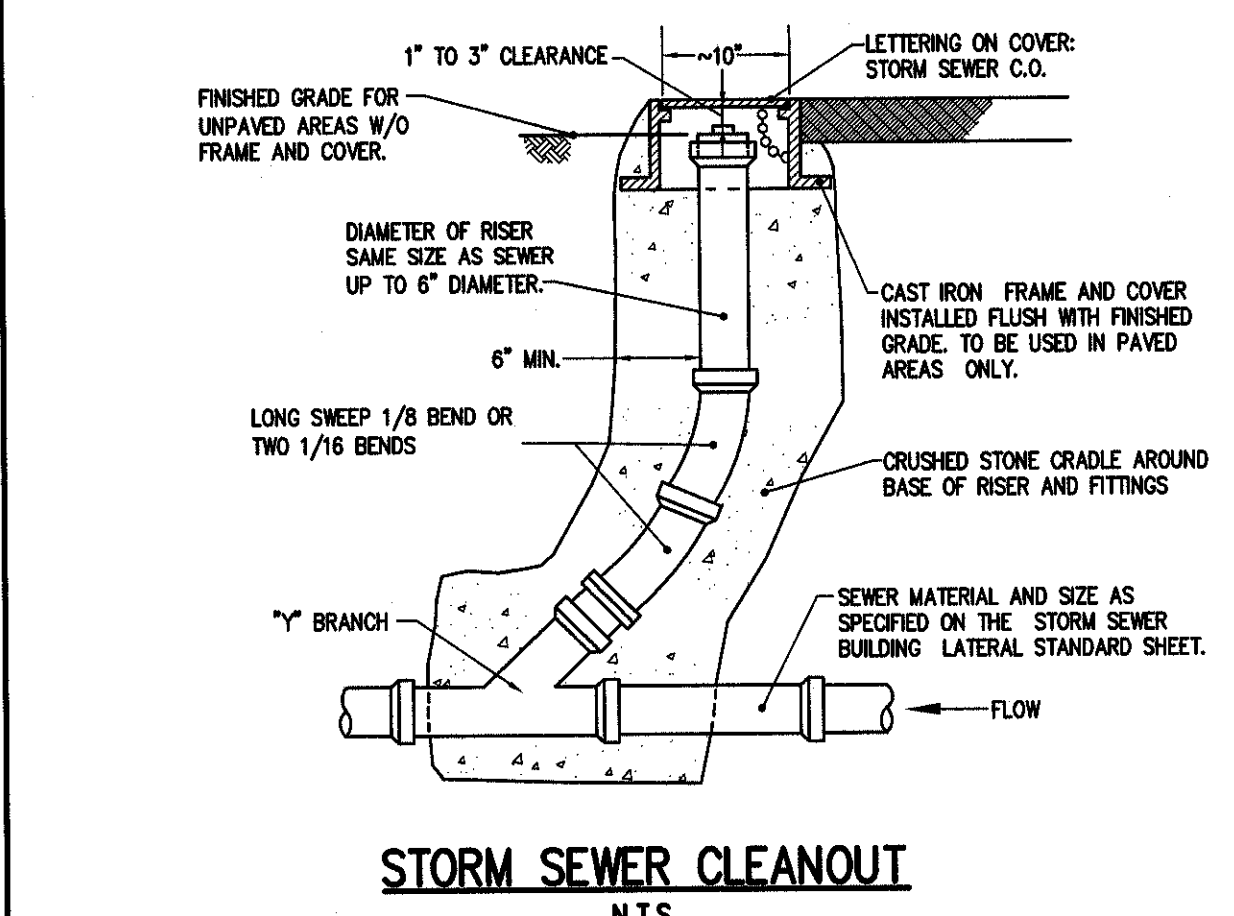
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



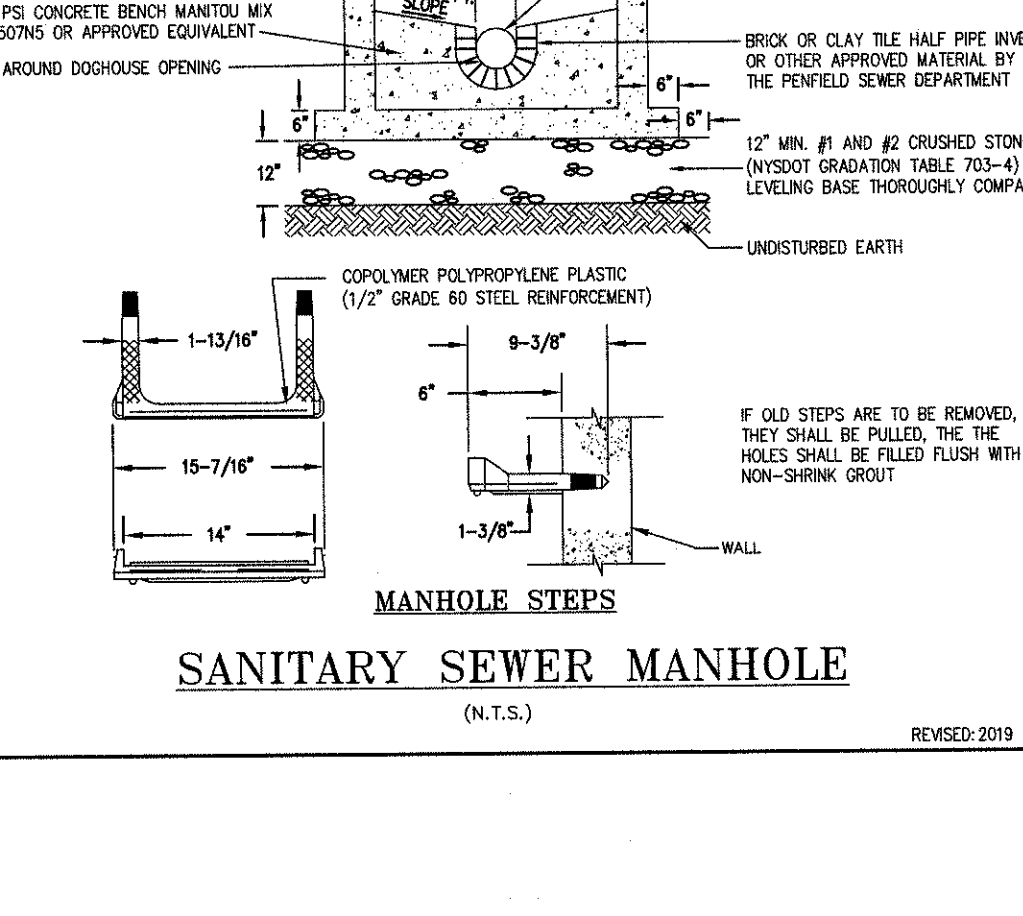
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



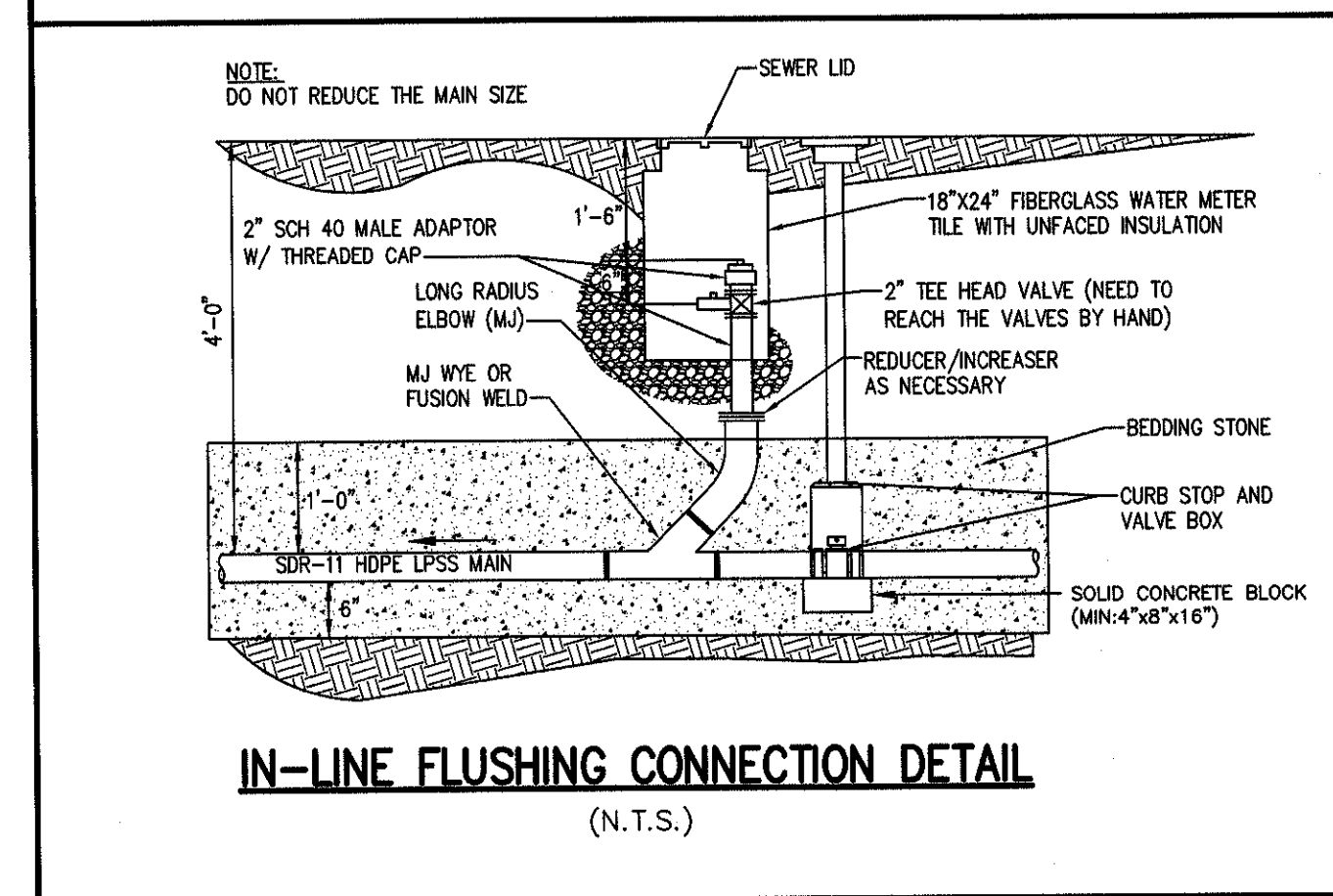
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



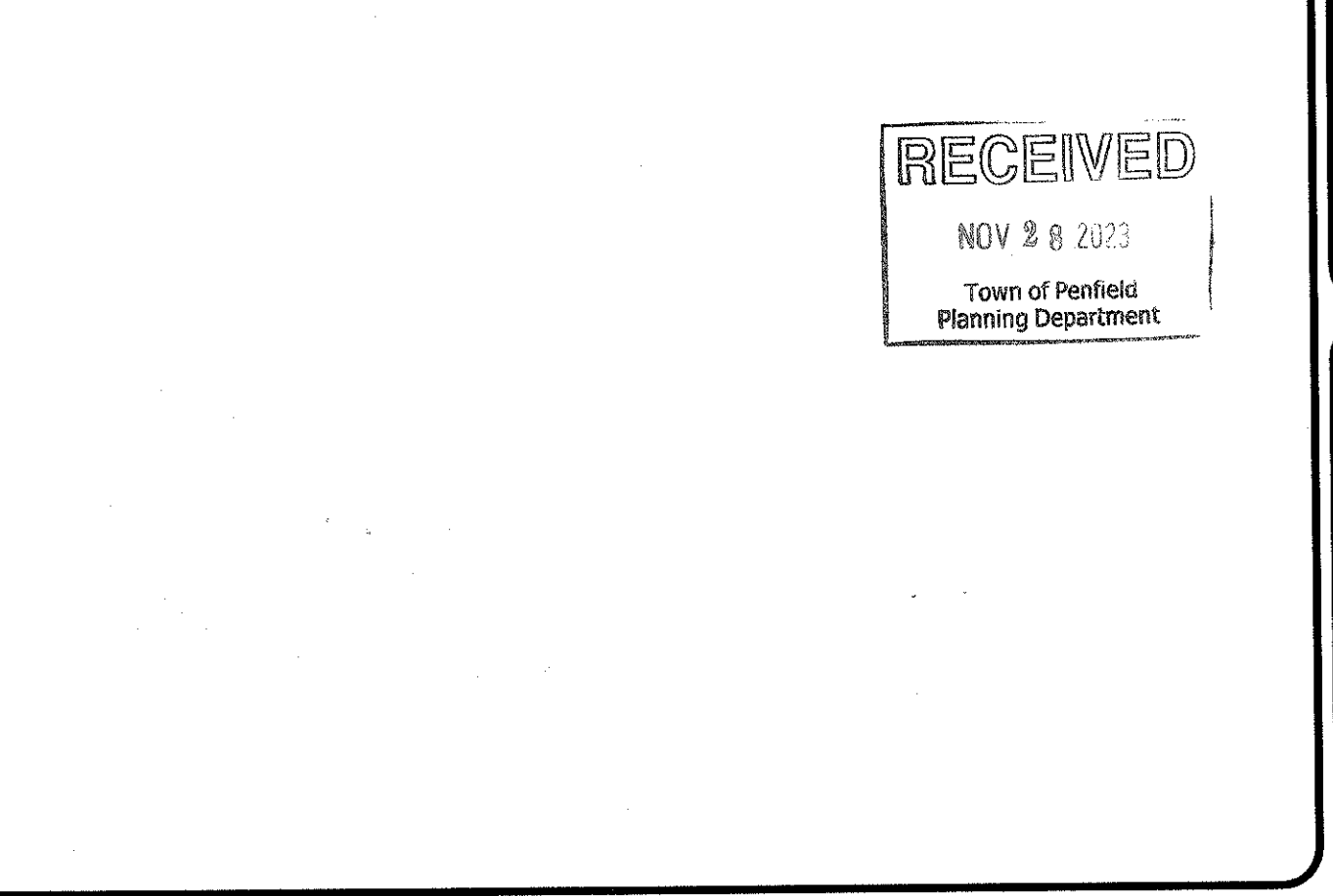
MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3



MONROE COUNTY WATER AUTHORITY  
ROCHESTER, NEW YORK  
DATE: SEPT 2016  
DME 3

RECEIVED  
NOV 8 8 2023  
Town of Penfield Planning Department

PROJECT: SHADOW PINES PHASE 1  
LOCATION: TOWN OF PENFIELD, MONROE COUNTY, NEW YORK STATE  
CLIENT: SHADOW PINES PHASE 1  
DRAWING TITLE: CONSTRUCTION PLANS DETAIL SHEET

PROJECT MANAGER: J. SPENCER  
PROJECT ENGINEER: F. SHELLEY  
DRAWN BY: J. SCHERER  
SCALE: N/A  
DATE ISSUED: OCTOBER 31, 2023  
PROJECT NO.: 2681A  
DRAWING NO.: C07  
(SHEET 1 OF 3)

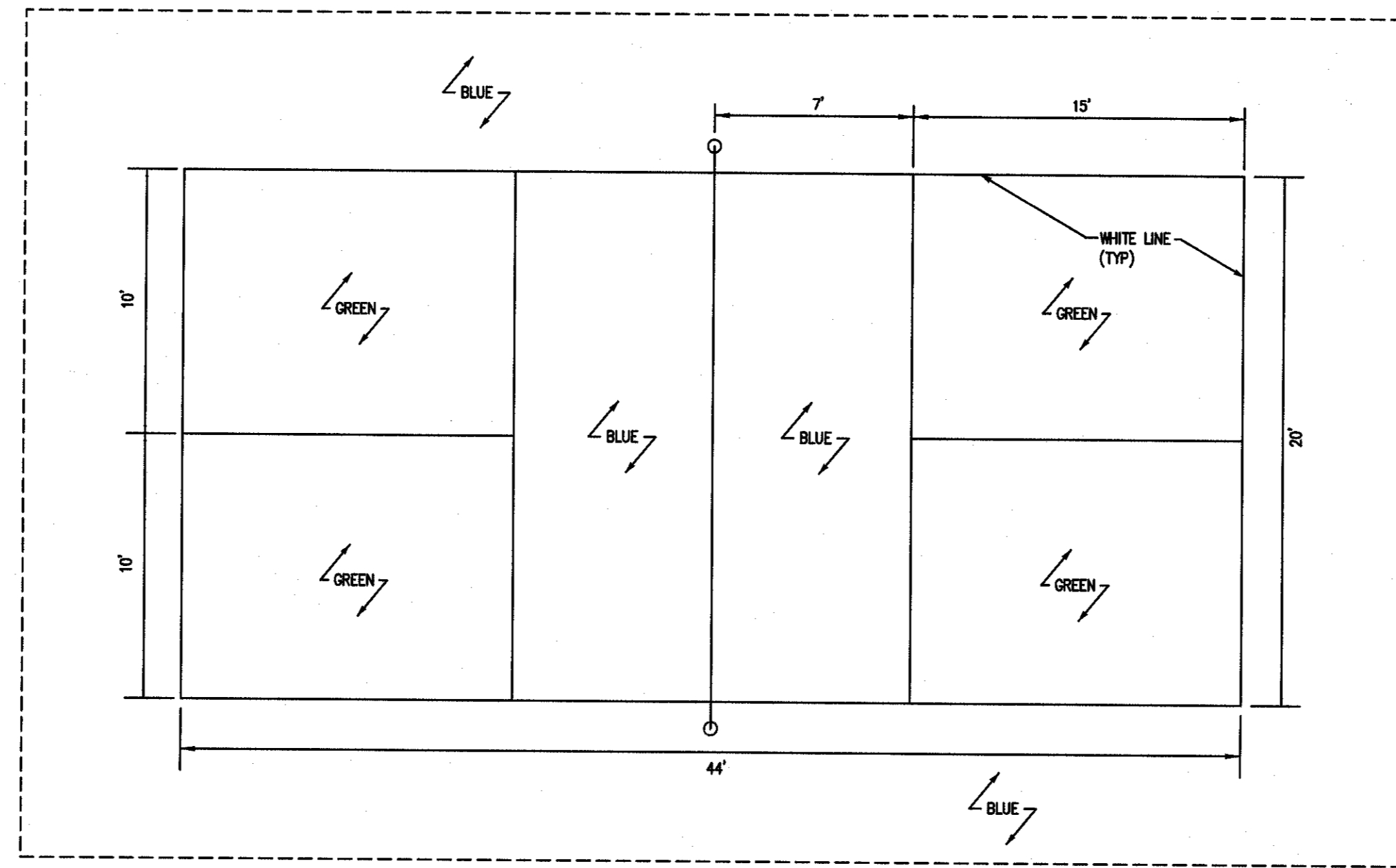
BME ASSOCIATES  
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS  
100 EAST AVENUE, SUITE 200  
ROCHESTER, NY 14604  
WWW.BMEASSOCIATES.COM

STATE OF NEW YORK  
REGISTERED PROFESSIONAL ENGINEER  
No. 10000  
JAMES M. BROWN



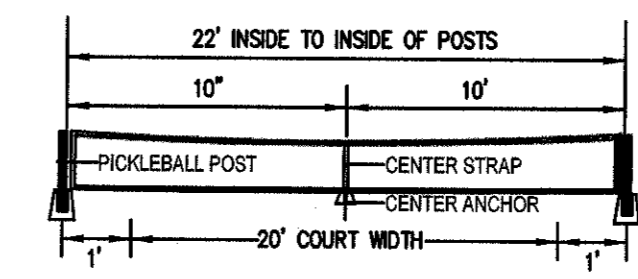






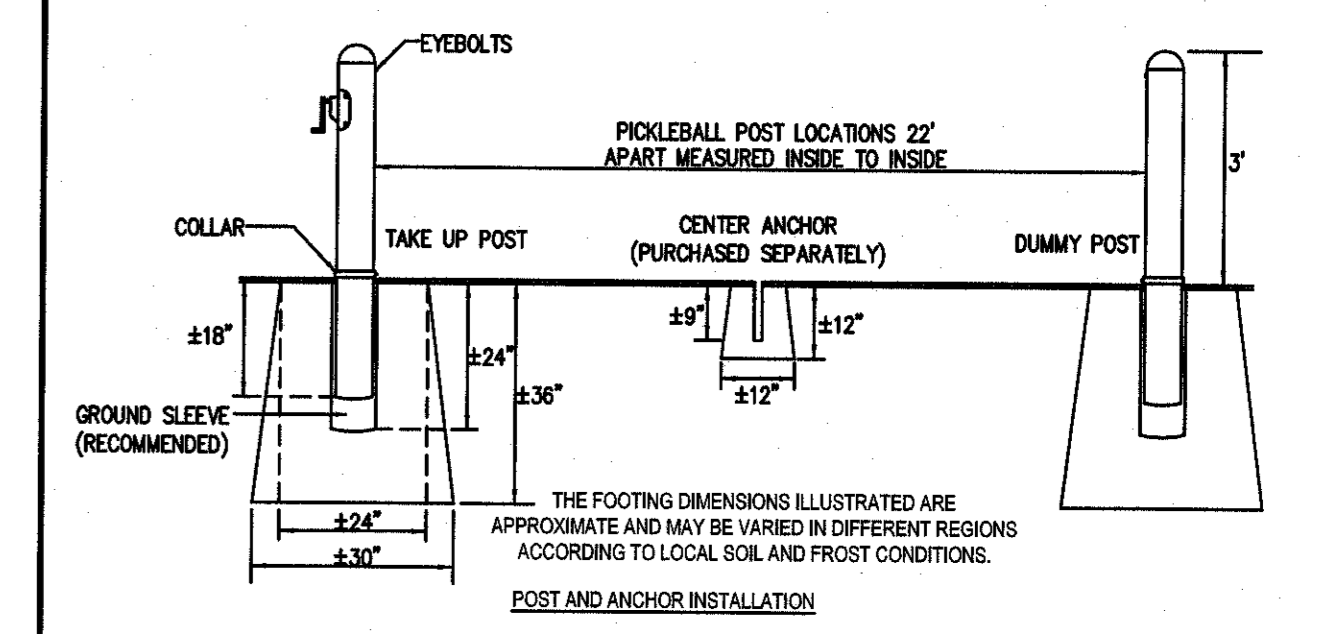
- NOTES:
- FINAL COLORS TO BE DETERMINED PRIOR TO INSTALLATION
  - LINE PAINTING TO BE PER THE MOST RECENT USA PICKLEBALL ASSOCIATION
  - PANT TO BE SPORTSMAN'S STANDARD COLOR 'STANDARD PICKLEBALL COURT SYSTEM' OR APPROVED EQUIVALENT
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**PICKLEBALL COURT DETAIL**  
N.T.S.



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - NET TO BE DOUGLAS PRIMER 70-30 PICKLEBALL NET OR APPROVED EQUIVALENT
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

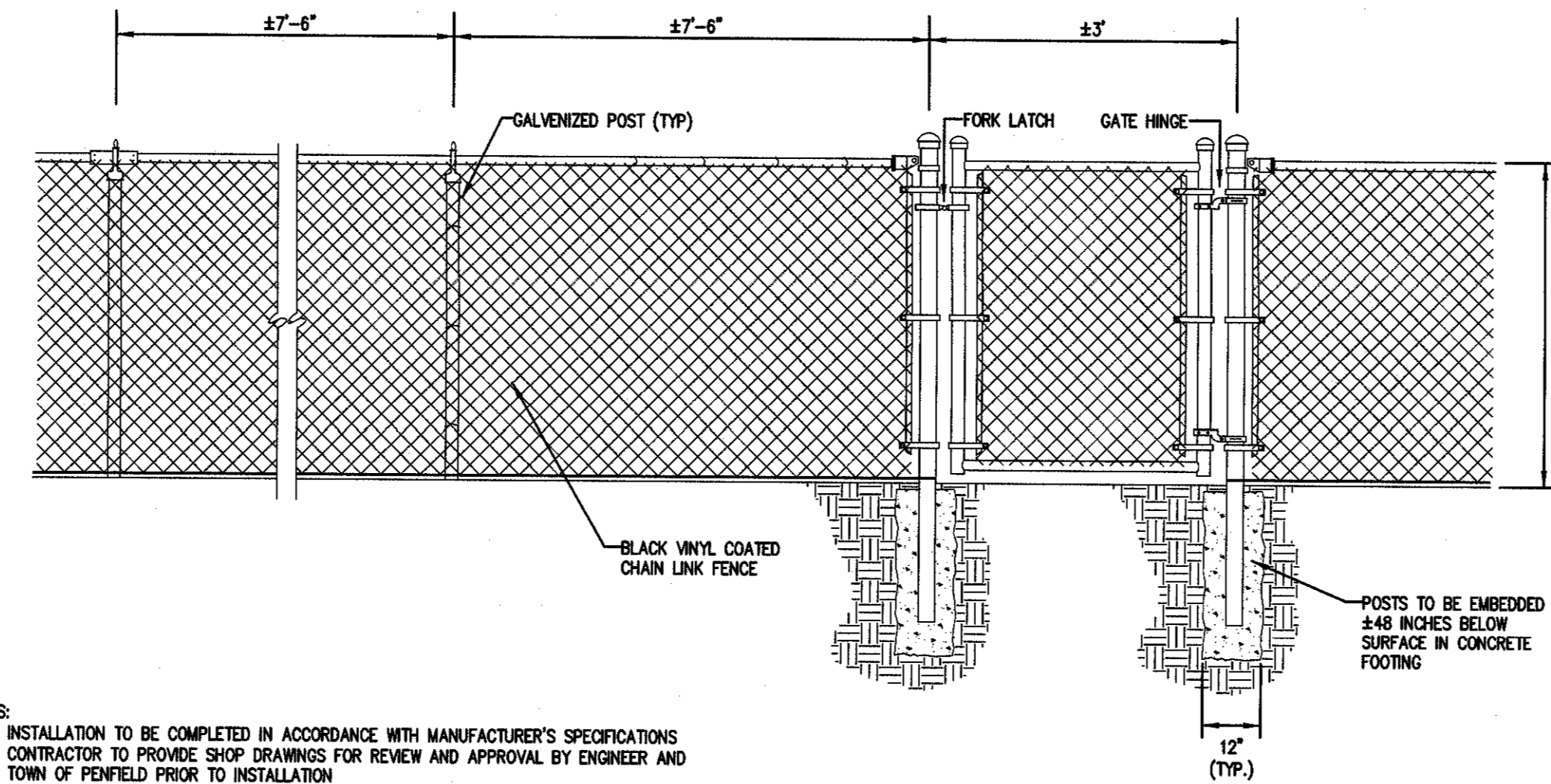
**PICKLEBALL NET DETAIL**  
N.T.S.



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - POSTS TO BE DOUGLAS PRIMER 70-30 PICKLEBALL POSTS OR APPROVED EQUIVALENT
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

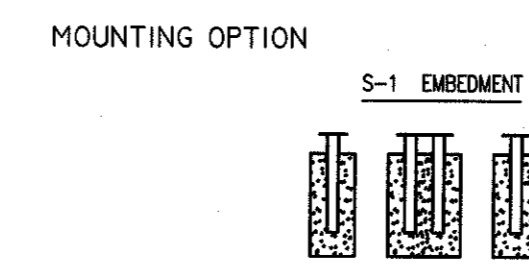
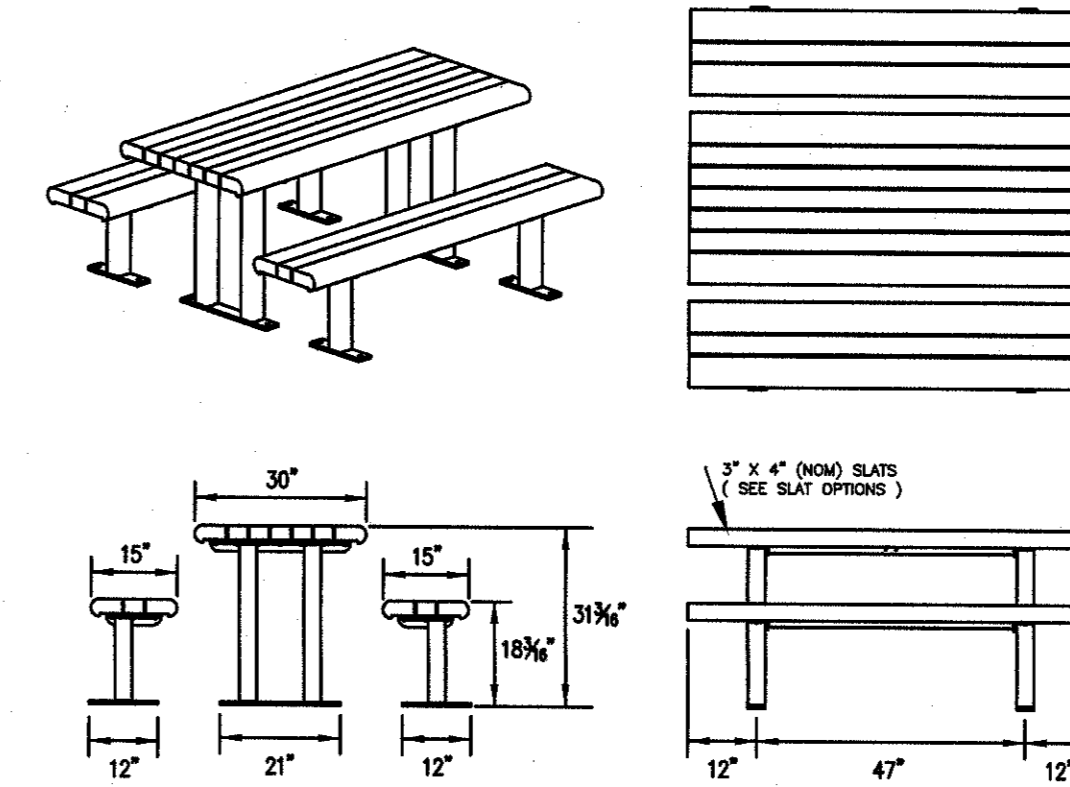
**PICKLEBALL POST DETAIL**  
N.T.S.

Drawing Attention  
The following is an excerpt from the New York State Electrical Law Code Section 7209 and applies to the electrical installation of this net to any person, unless he is acting under the direct supervision of a licensed professional engineer or hold a permit to do so. It is the responsibility of the contractor to ensure that all electrical work is done in accordance with the code and to obtain the necessary permits and approvals from the appropriate authorities. The contractor shall be held responsible for any violation of the code and for any damage or injury resulting therefrom.



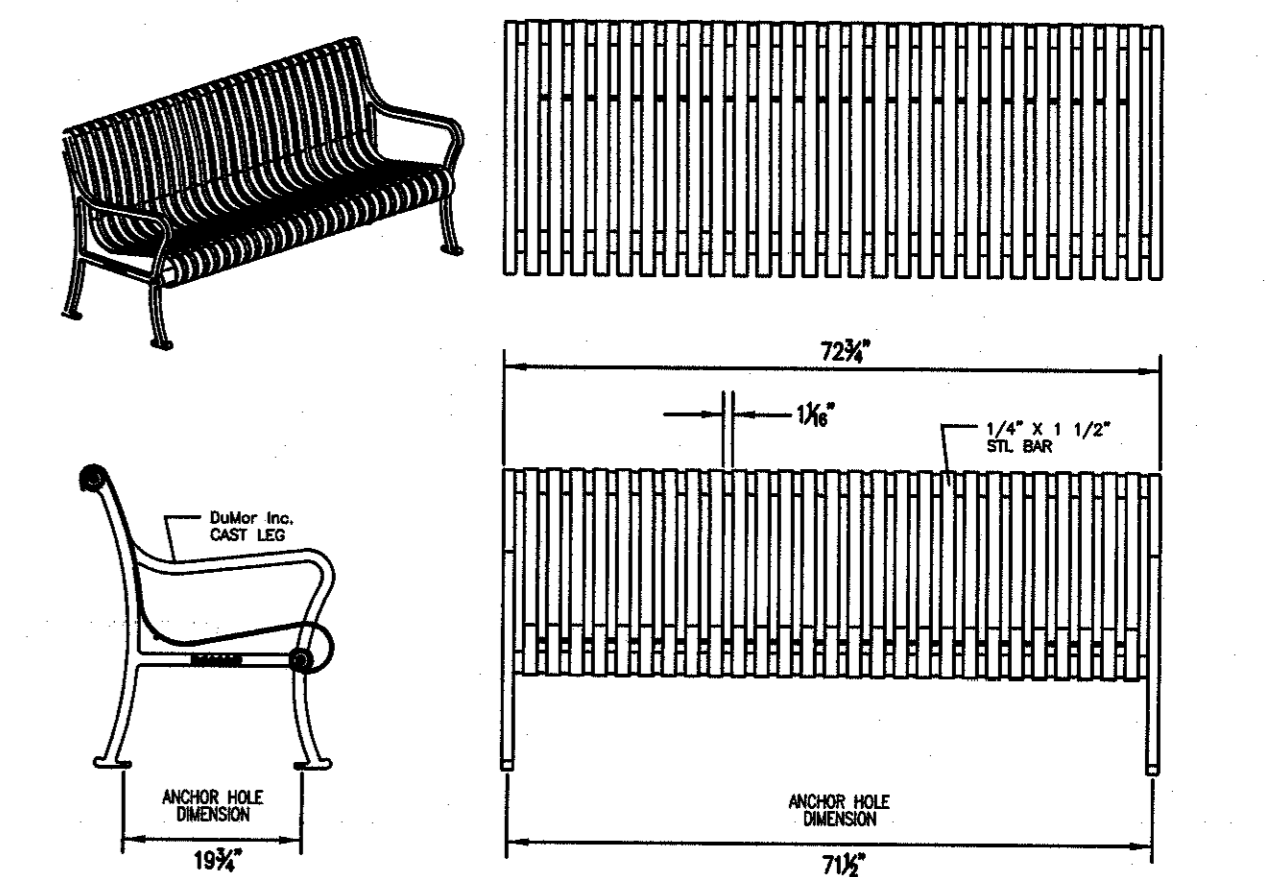
- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**4' BLACK VINYL COATED FENCE DETAIL**  
N.T.S.



- NOTES:
- ALL STEEL MEMBERS COATED WITH ZINC RICH EPOXY THEN FINISHED WITH POLYESTER POWDER COATING
  - LENGTH TO BE 4'
  - PLASTIC SLAT TO BE GREY
  - TABLE TO BE DUNGEY TABLE 100 SERIES PL OR APPROVED EQUIVALENT
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

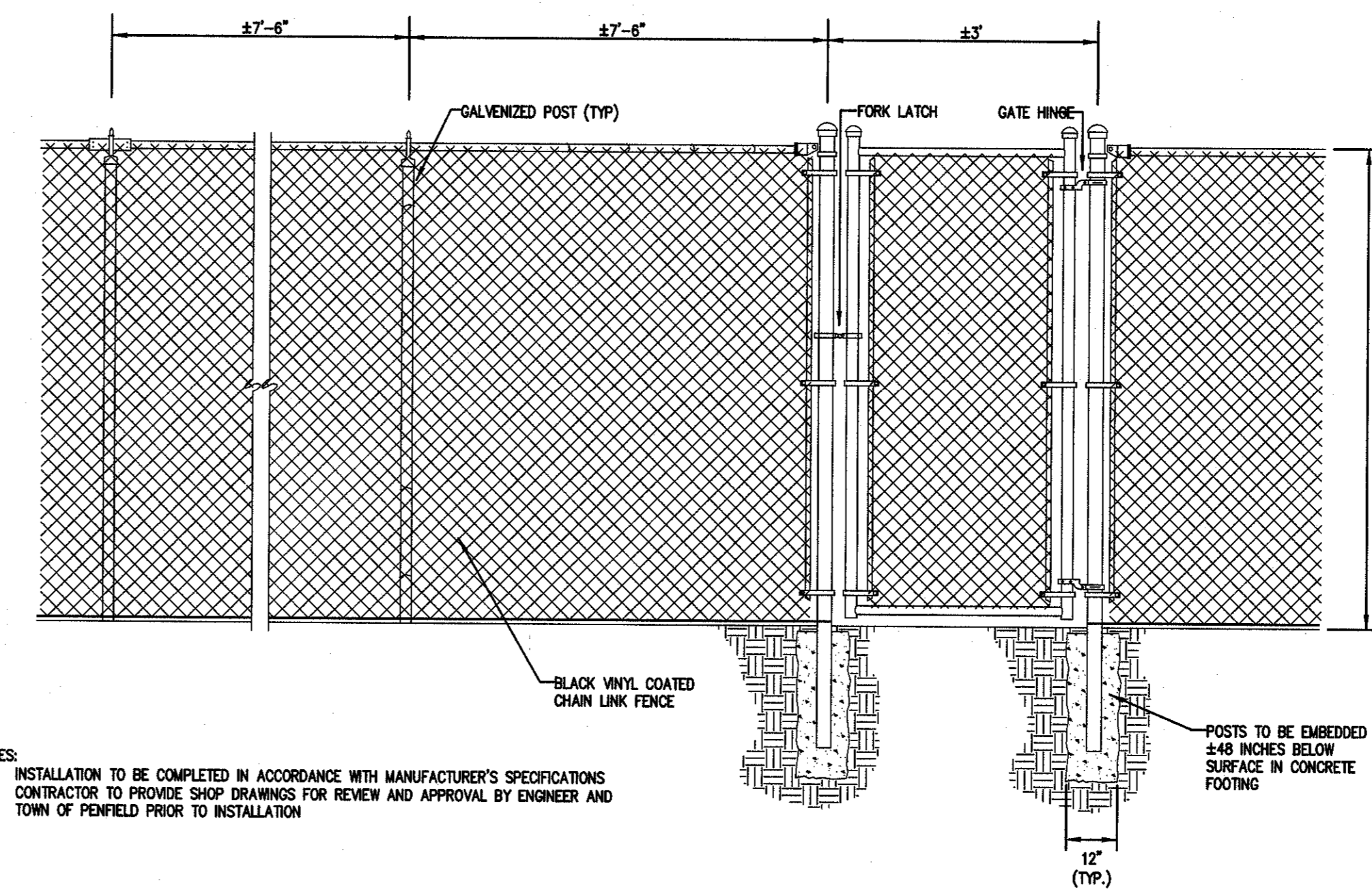
**TABLE DETAIL**  
N.T.S.



LENGTH OPTIONS:  
C) 6' BENCH  
D) 8' BENCH

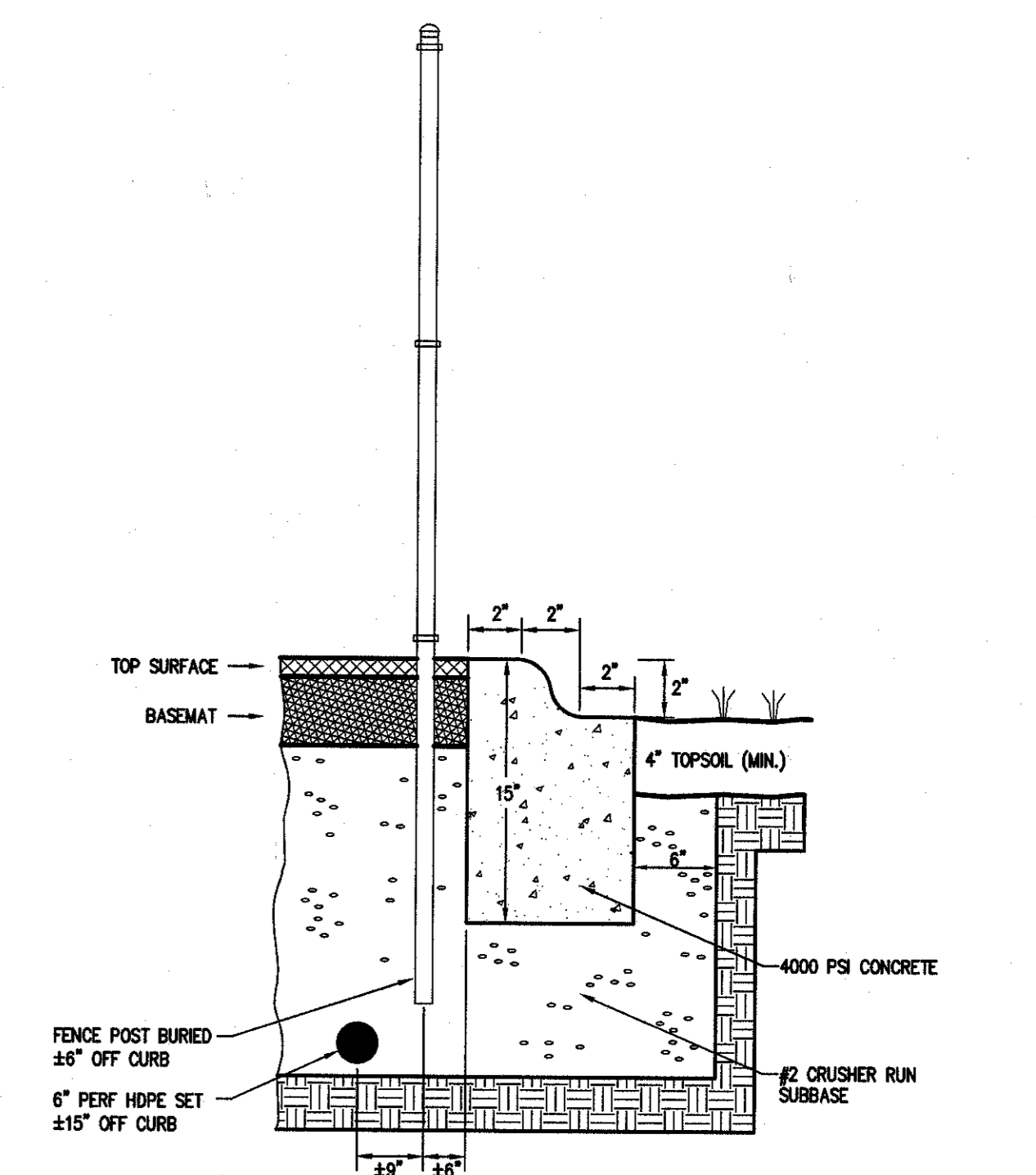
- NOTES:
- ALL STEEL MEMBERS COATED WITH ZINC RICH EPOXY THEN FINISHED WITH POLYESTER POWDER COATING
  - LENGTH TO BE 6'
  - BENCH TO BE DUNGEY BENCH 83 SERIES OR APPROVED EQUIVALENT
  - FINAL COLOR TO BE DETERMINED PRIOR TO INSTALLATION
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**BENCH DETAIL**  
N.T.S.

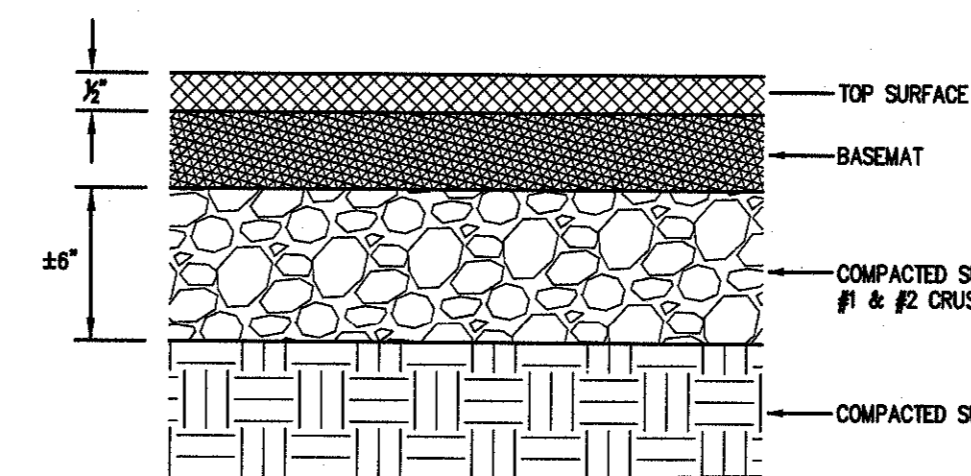


- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**6' BLACK VINYL COATED FENCE DETAIL**  
N.T.S.

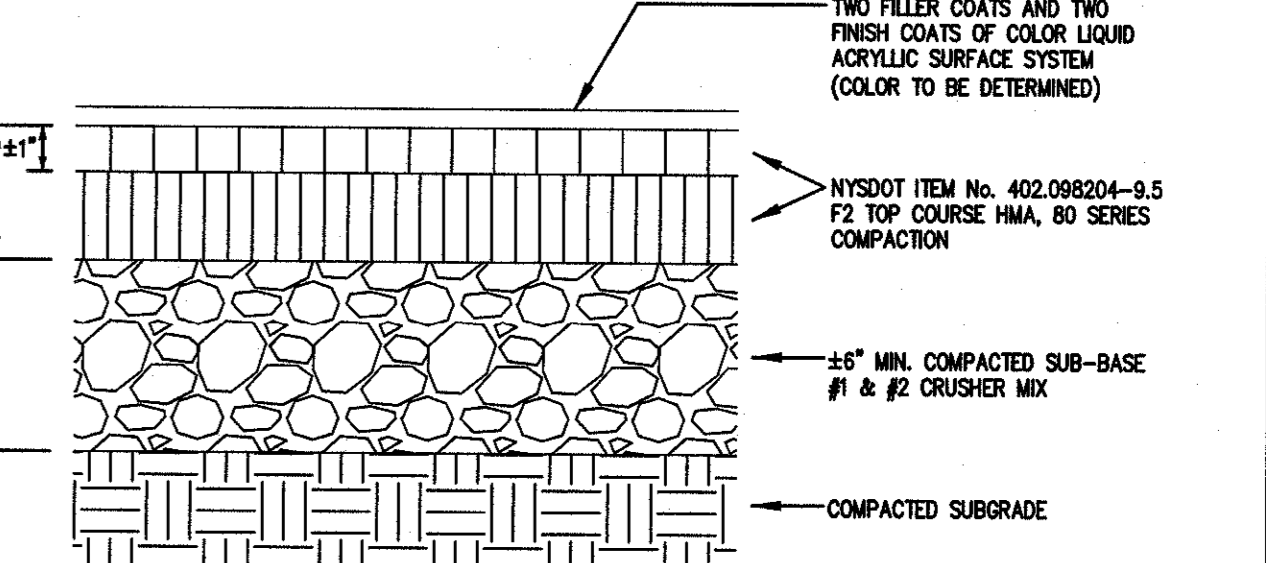


**MOWERS EDGE CONCRETE CURB DETAIL**  
N.T.S.



- NOTES:
- TOP SURFACE TO BE "PLAYSAND POURED IN PLACE" RESILIENT SURFACING BY SURFACE AMERICA, OR APPROVED EQUIVALENT
  - COLOR TO BE SELECTED PRIOR TO INSTALLATION
  - BASEMAT THICKNESS TO BE DIFFERENT AT VARIOUS LOCATIONS ON PLAYGROUND SITE DEPENDING ON ASTM-F1232 REQUIREMENTS FOR OPTIMAL FALL HEIGHT
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**PLAYGROUND SURFACE SECTION**  
N.T.S.



- NOTES:
- PICKLEBALL COURTS TO BE PAINTED WITH CONTRASTING COLOR FOR ALL LINE PAINTING
  - PICKLEBALL COURT LINE PAINTING TO BE PER THE MOST RECENT USA PICKLEBALL ASSOCIATION
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND TOWN OF PENFIELD PRIOR TO INSTALLATION

**ASPHALT COURT PAVEMENT SECTION**  
N.T.S.

NO.	REVISIONS	DATE	BY
14			
13			
12			
11			
10			
9			
8			

NO.	REVISIONS	DATE	BY
7			
6			
5			
4			
3			
2			
1			

**BME ASSOCIATES**  
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WWW.BMEASSOCIATES.COM  
PHONE: 585-824-2000  
FAX: 585-277-7200



**SHADOW PINES PHASE 1**  
TOWN OF PENFIELD, WARREN COUNTY, NEW YORK STATE  
TOWN OF PENFIELD  
3000 ALBANY ROAD  
PENFIELD, NY 14556  
CONSTRUCTION PLANS  
DETAIL SHEET

PROJECT: SHADOW PINES PHASE 1  
LOCATION: TOWN OF PENFIELD, WARREN COUNTY, NEW YORK STATE  
CLIENT: TOWN OF PENFIELD  
DRAWING TITLE: CONSTRUCTION PLANS - DETAIL SHEET  
PROJECT MANAGER: A. SPENCER  
PROJECT ENGINEER: E. SHELLEY  
DRAWN BY: J. SORNER  
SCALE: AS SHOWN  
DATE ISSUED: OCTOBER 31, 2023  
PROJECT NO.: 2681A  
DRAWING NO.: C08B  
(SHEET 3 OF 3)