

MANHASSET UNION FREE SCHOOL DISTRICT
MANHASSET, NEW YORK

2014 BOND PHASE 1
MEMORIAL FIELD

CONTRACT No. 2 - ATHLETIC FIELD AND TENNIS COURT RECONSTRUCTION

JOHN A. GRILLO - ARCHITECT PC

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COVER SHEET

CONTRACT No. 2 -
ATHLETIC FIELD AND TENNIS
COURT RECONSTRUCTION

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ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	INSUL	INSULATION
ALUM	ALUMINUM	JST	JOIST
BLK	BLOCK	M.O.	MASONRY OPENING
BTM	BOTTOM	MTL	METAL
C.J.	CELING JOIST	N.I.C.	NOT IN CONTRACT
CLG	CEILING	No.	NUMBER
CONC	CONCRETE	O.C.	ON CENTER
CONT	CONTINUOUS	P.T.	PRESSURE TREATED
DBL	DOUBLE	R.R.	ROOF RAFTER
DIA	DIAMETER	RAD	RADIUS
EL	ELEVATION	REIN	REINFORCED
F.J.	FLOOR JOIST	S.S.	STAINLESS STEEL
F.R.P.	FIBERGLASS REIN. PANEL	STL	STEEL
FDN	FOUNDATION	T.O.W.	TOP OF WALL
FTG	FOOTING	TYP	TYPICAL
G.C.	GENERAL CONTRACTOR	V.A.T.	VINYL ASBESTOS TILE
GA	GAUGE	V.C.T.	VINYL COMPOSITION TILE
GYP. BD.	GYP. WALL BOARD	VERT	VERTICAL
HOR	HORIZONTAL	WWM	WELDED WIRE MESH

SET NO. 28-04-06-03-0-004-044 - HS/SECONDARY

DRAWN BY: RMC	DATE: 1/23/13
SCALE: AS NOTED	REVIEWED: J.M.G.
APPROVED BY: J.M.G.	TITLE NAME:

REVISIONS:



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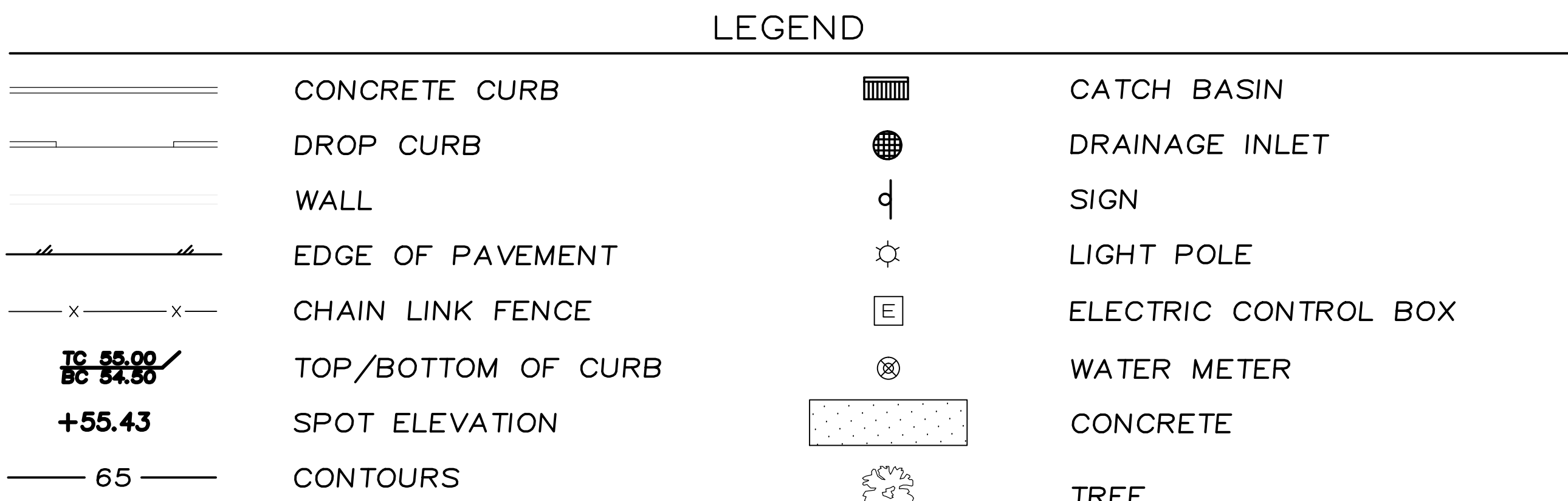
BID OPENING DATE:
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MANHASSET UNION FREE SCHOOL DISTRICT	NEW YORK
MANHASSET	2014 BOND PHASE 1 MEMORIAL FIELD
	COVER SHEET

MANHASSET

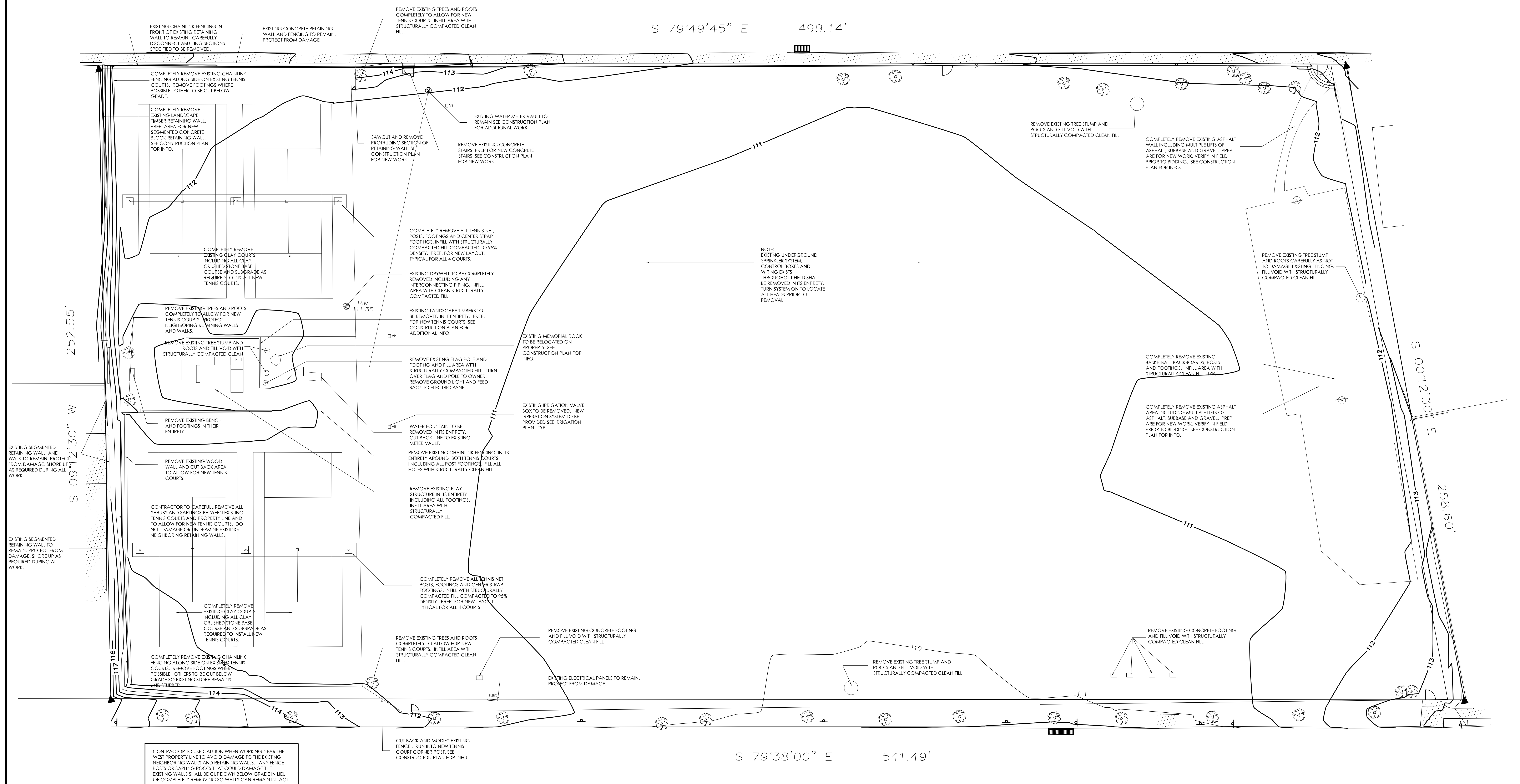
COVER



SCALE: 1/16" = 1'-0"

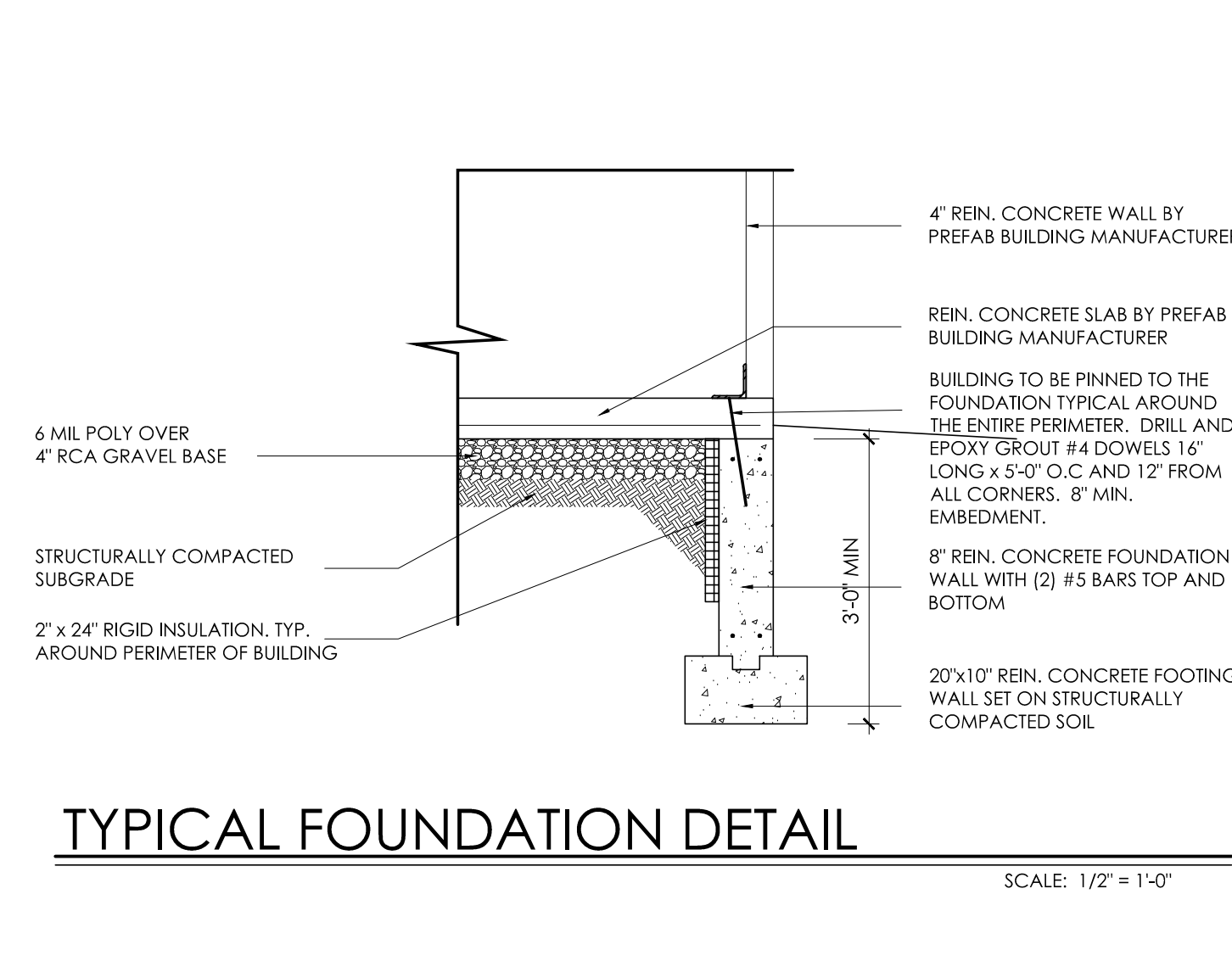
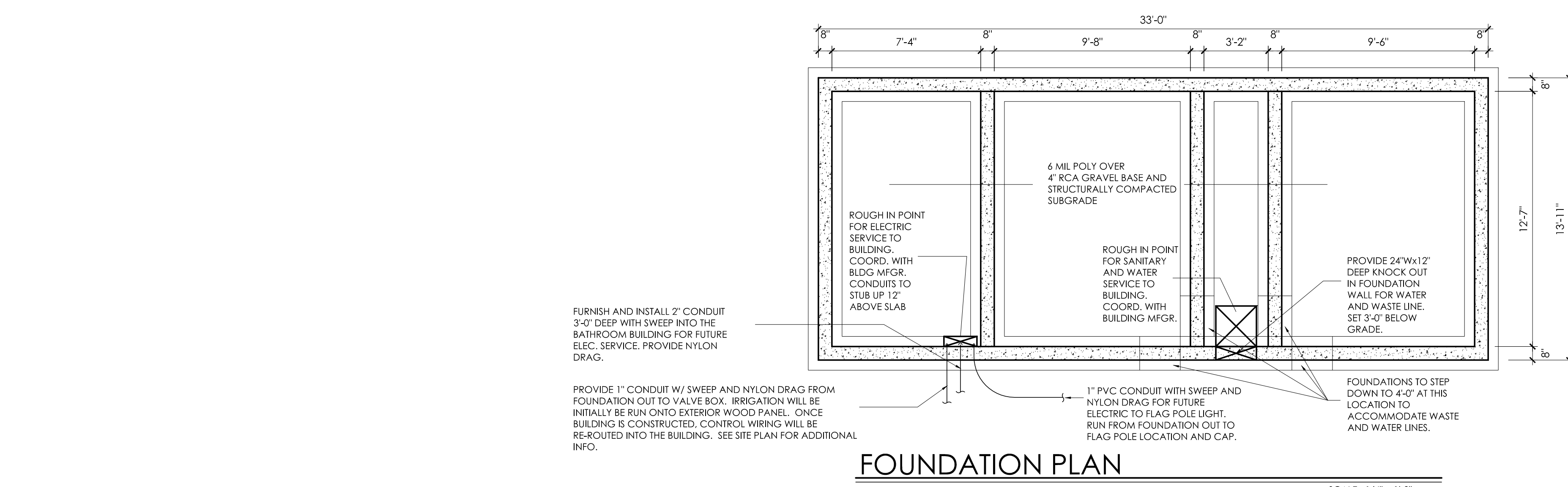
G-100

G-100

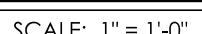
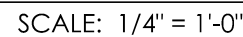


DEMOLITION PLAN

SED. NO.
28-04-06-03-0-004-044 H.S/SECONDARY
28-04-06-03-0-001-023 MUNSEY PARK
28-04-06-03-0-003-023 SHELTER ROCK








MEMORIAL FIELD
C-102



C-103



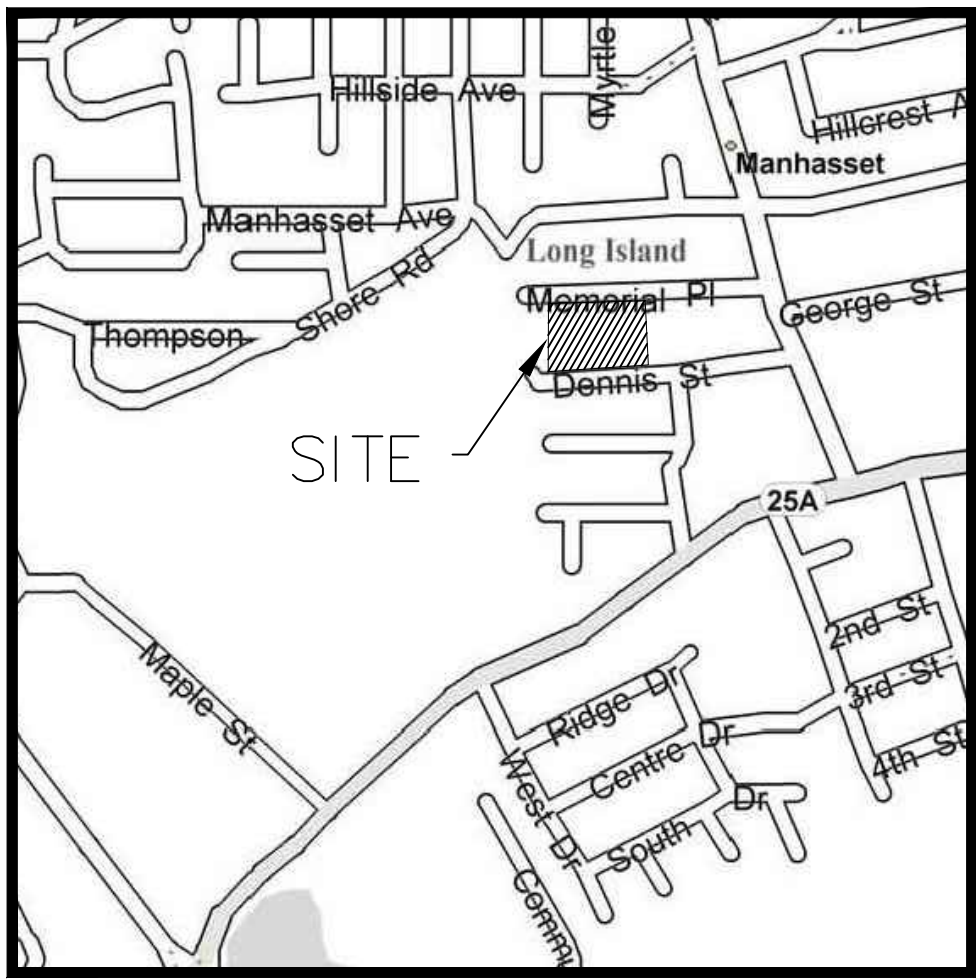
IRRIGATION PLAN IS A SCHEMATIC DESIGN. IRRIGATION CONTRACTOR TO DESIGN BUILD AN IRRIGATION SYSTEM TO COVER THE NEW FIELD AND SURROUND GRASS AREAS. THE IRRIGATION CONTRACTOR IS REQUIRED TO DETERMINE THE EXISTING WATER PRESSURE PROVIDED BY THE EXISTING MAIN AND DESIGN THE SYSTEM ACCORDINGLY. PROVIDE THE ARCHITECT WITH A PROPOSED LAYOUT FOR APPROVAL AND PRIOR TO INSTALLATION.

-  HUNTER I-40-I-04-S5-XX/I-40-O6-S5-XX, NOZZLE AS SHOWN
-  HUNTER I-40-I-04-S5-XX/I-40-O6-S5-XX, NOZZLE AS SHOWN
-  HUNTER PRO ADJUSTABLE NOZZLE 0 - 360
- NOZZLE PERFORMANCE:
#15 @ 70 PSI - 17.0 GPM 57" RADIUS
#18 @ 75 PSI - 17.8 GPM 62" RADIUS
#10A @ 30 PSI - 10" RADIUS
-  HUNTER ICV/IBV ELECTRIC CONTROL VALVE AS SHOWN
- _____ MAINLINE PIPE
- _____ LATERAL PIPE
-  ISOLATION VALVE LINE SIZED

1. PIPE LOCATIONS ARE DIAGRAMMATIC.
2. ALL SPRINKLERS TO BE INSTALLED AT 1" SCH 80 SWING JOINTS.
3. ALL COMPONENTS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATION.
4. MAINLINE DEPTH TO BE NO LESS THAN 18".
5. LATERAL DEPTH TO BE NO LESS THAN 16".
6. ELECTRIC CONTROL VALVES TO BE COVERED WITH 12" VALVE BOX.
7. LOCATE VALVES/QCV'S OUT OF HIGH TRAFFIC AREAS.
8. WIRE SPLICE CONNECTIONS TO BE WATERPROOF.
9. ALL VALVES TO BE 24" PIPE RUN THROUGH THEM.
10. INSTALL ALL COMPONENTS AS PER LOCAL, STATE, FEDERAL CODES.
11. REFER TO ALL MANUFACTURERS INSTALLATION DETAILS.
12. REFER TO MANUFACTURERS CATALOG FOR PERFORMANCE SPECIFICATIONS.
13. PROVIDE SILL COVERAGE OF GRASS AREAS AS SHOWN.
14. COORDINATE PLACEMENT OF IRRIGATION LINES WITH FIELD DRAINAGE SYSTEM.

MEMORIAL FIELD

C-105



KEY PLAN
SCALE: N.T.S.

NOTE:

THE CONTRACTOR MUST PERFORM A DETAILED INVESTIGATION OF THE SITE(S). THE INVESTIGATION IS TO BE SUFFICIENT ENOUGH TO DISCLOSE THE CONDITIONS OF THE SITE(S) AND ALL IMPROVEMENTS THEREON AT WHICH WORK IS TO BE PERFORMED BY THE CONTRACTOR, AND THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED INCLUDING, BUT NOT LIMITED TO (A) THE LOCATION, CONDITION, LAYOUT AND NATURE OF THE PROJECT SITE AND SURROUNDING AREAS; (B) THE COST AND AVAILABILITY OF LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PERFORM THE WORK; (C) THE AREAS OF THE WORK WHICH WILL CAUSE A DISRUPTION TO THE NECESSARY AND PROPER OPERATION OF THE FACILITIES BY THE OWNER; AND (D) OTHER PERTINENT LIMITATIONS ON THE PERFORMANCE OF ITS WORK. THERE WILL BE NO ADDITIONAL COSTS ALLOWED BY THE CONTRACTOR FOR ITEMS THAT COULD HAVE BEEN DISCOVERED HAD A DETAILED SITE INVESTIGATION BEEN PERFORMED PRIOR TO SUBMITTING THEIR BID.

* AS PER THE NCHD, A CRANE DUG TEST HOLE MUST BE EXCAVATED TO EVALUATE THE SOIL AND DEMONSTRATE THE PRESENCE OF A MINIMUM OF SIX (6) FEET OF RATEABLE LEACHING SOIL BELOW THE BOTTOM OF THE LEACHING POOL. DUE TO THE LIMITED PROJECT SCOPE AND SCHOOL USE, THE SCHOOL DISTRICT IS REQUESTING PERMISSION TO DIG THE TEST HOLE AT TIME OF POOL INSTALLATION. THE PROPOSED MINIMUM POOL DEPTH SHALL BE MODIFIED TO PROVIDE THE REQUIRED RATEABLE SOIL.

NCHD NOTES:

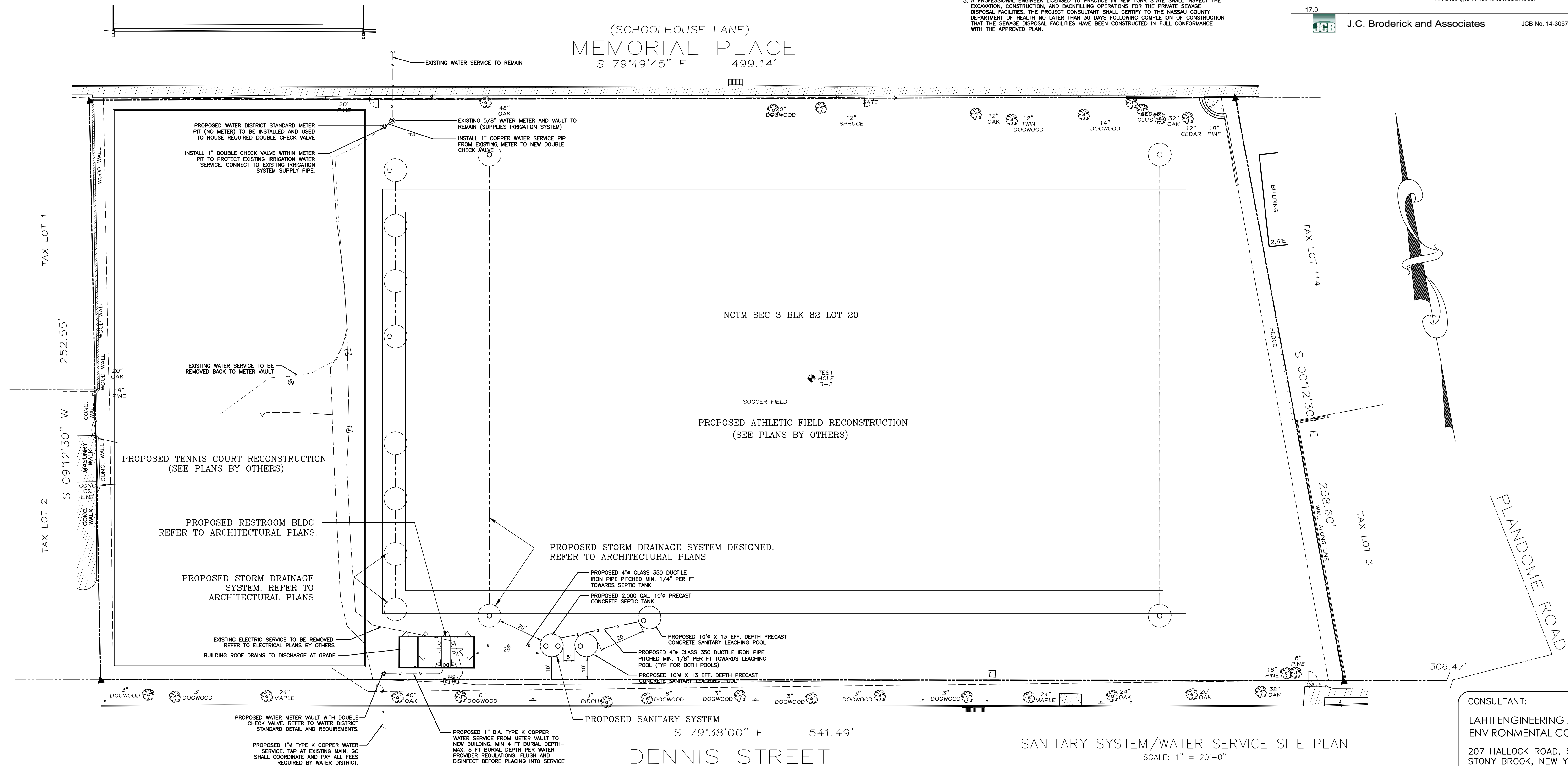
1. THERE ARE NO STORMWATER LEACHING POOLS WITHIN 20 FT OF THE PROPOSED SEPTIC TANK OR LEACHING POOL.
2. THERE ARE NO WATER SUPPLY WELLS WITHIN 200 FEET OF THE PROPOSED SEPTIC SYSTEM.
3. AN APPROVED BACKFLOW PREVENTION DEVICE MUST BE INSTALLED ON THE WATER SERVICE FOR THE PROPOSED RESTROOM BLDG. CONTRACTOR SHALL OBTAIN BACKFLOW PREVENTION DEVICE PERMIT FROM WATER SUPPLIER.
4. WATER MAIN PROTECTION- THE MINIMUM HORIZONTAL AND VERTICAL CLEARANCE BETWEEN A WATER MAIN/WATER SERVICE LINE AND SEPTIC PIPING SHALL BE 10.0 FEET AND 18 INCHES RESPECTIVELY.
5. A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEW YORK STATE SHALL INSPECT THE EXCAVATION, CONSTRUCTION, AND BACKFILLING OPERATIONS FOR THE PRIVATE SEWAGE DISPOSAL FACILITIES. THE PROJECT CONSULTANT SHALL CERTIFY TO THE MASSACHUSETTS DEPARTMENT OF HEALTH NO LATER THAN 30 DAYS FOLLOWING COMPLETION OF CONSTRUCTION THAT THE SEWAGE DISPOSAL FACILITIES HAVE BEEN CONSTRUCTED IN FULL CONFORMANCE WITH THE APPROVED PLAN.

PROJECT NAME: Memorial Park				BORING NUMBER: B-2	
PROJECT ADDRESS: 200 Memorial Place, Manhasset, NY 11030				BORING LOCATION: East Side of Athletic Field	
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.				GROUND SURFACE ELEVATION: 111 Feet Above Sea Level	
DRILLING METHOD: 2.25 inch Direct Push Rods				MEASURING POINT: Ground Surface	
DRILLING EQUIPMENT: Geoprobe® 5410				DATE: 12-31-14 10:00 AM Cloudy 29°F	
SAMPLING METHOD: MCS® Soil Sampling System				TOTAL DEPTH BELOW SURFACE GROUND: Approximately 16 Feet bsg	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini				APPROXIMATE DEPTH TO GROUNDWATER: Not Encountered	
LOGGED BY: Tyler Anderson				DESCRIPTION	
DEPTH (feet)	LITHOLOGIC LOG	USCS SYMBOL	% Recovery	NAME (USCS): color, moisture, plasticity, density	
0.0		OL		Topsoil	
1.0		SM		Dark Brown Silty to Fine SAND	
2.0		SP	100%	Light Brown Fine SAND with Trace Gravel	
3.0		SM		Tan Silty to Fine SAND	
4.0		SP		Light Brown Fine SAND with Trace Gravel	
5.0		SP	100%	Light Brown Fine SAND with Trace Gravel	
6.0		SP		Light Brown Fine SAND with Few Silt	
7.0		SM		Light Brown Silty to Fine SAND	
8.0		SP		Light Brown Fine to Medium SAND	
9.0		SP	95%	Light Brown Fine SAND with Trace Gravel	
10.0		SP		Light Brown Fine to Medium SAND	
11.0		SP		Light Brown Fine to Medium SAND	
12.0		SP		Light Brown Fine to Medium SAND	
13.0		SP		Light Brown Fine to Medium SAND	
14.0		SP	100%	Light Brown Fine to Medium SAND	
15.0		SP		Light Brown Fine to Medium SAND	
16.0		SP		End of Boring at 16 Feet Below Surface Grade	
17.0		SP		End of Boring at 16 Feet Below Surface Grade	

J.C. Broderick and Associates

JCB No. 14-30671

Page 1 of 1



SANITARY SYSTEM/WATER SERVICE SITE PLAN

SCALE: 1" = 20'-0"

SITE PLAN PREPARED BASED ON SURVEY PROVIDED BY BARRETT
BONACCI & VAN WEELE, P.C. LAST UPDATED 1-20-2015

CONSULTANT:
LAHTI ENGINEERING AND
ENVIRONMENTAL CONSULTING,PC

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28-04-06-03-2-032-001-MEMORIAL FIELD

DATE: 3-30-15
SCALE: AS NOTED
REVISED: J.M.G.
APPROVED BY: J.M.G.

REVISIONS:
1. 4-16-15 WATER SERVICE

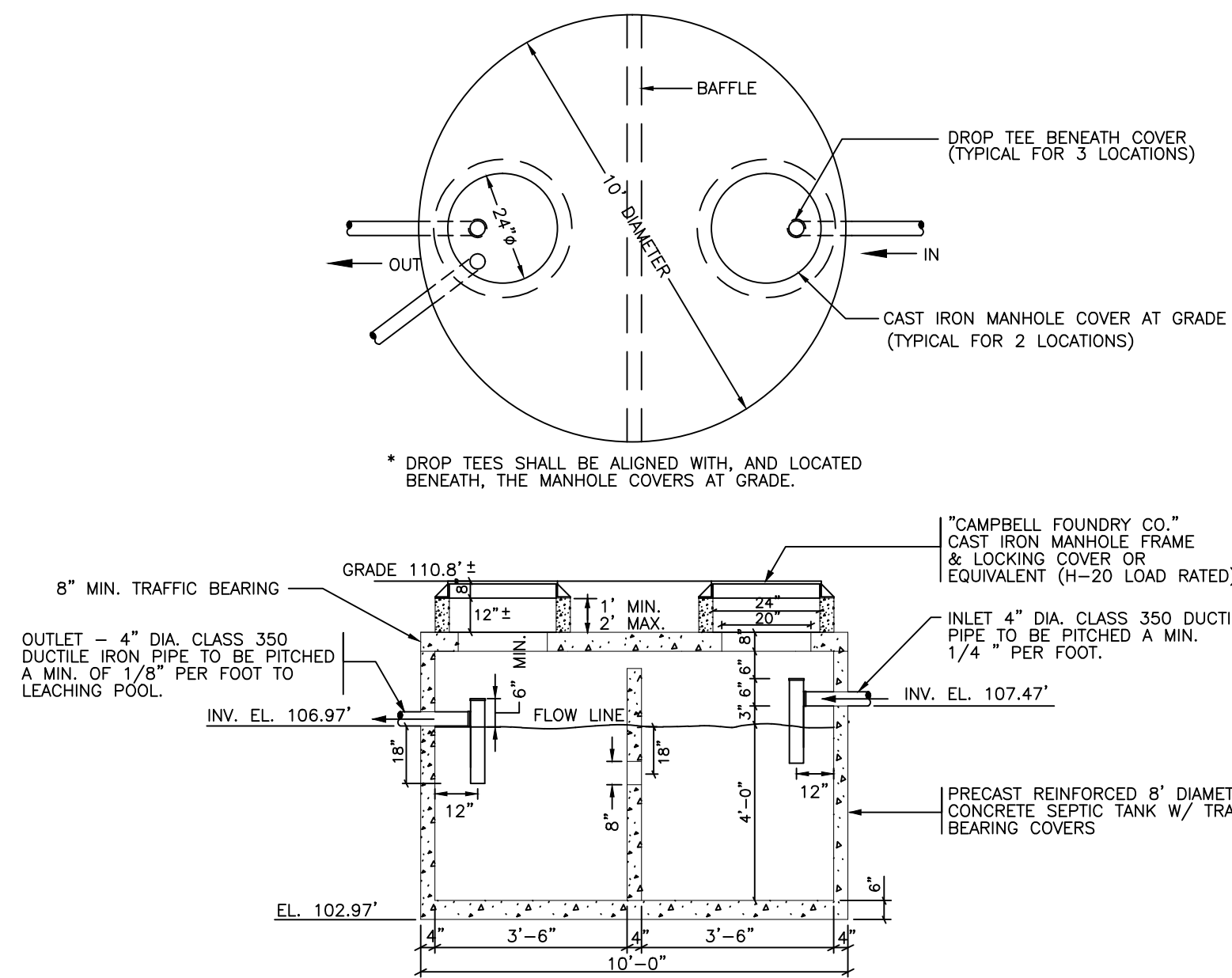
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CONTRACT # 1
GENERAL CONSTRUCTION

JAG
ARCHITECT

MANHASSET UNION FREE SCHOOL DISTRICT
NEW YORK
2014 BOND ISSUE RELATED
CAPITAL IMPROVEMENT PROGRAM - PHASE 2
SANITARY SYSTEM AND WATER SUPPLY

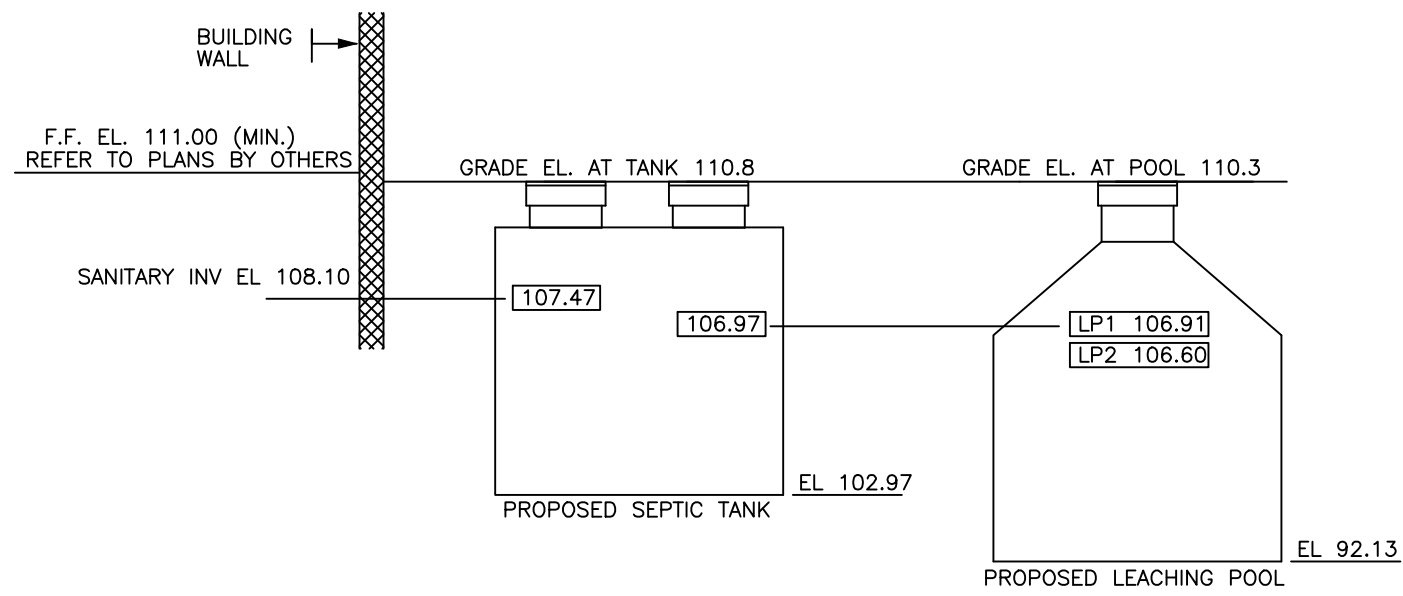
MEMORIAL FIELD

C-100



PROPOSED 2000 GAL. SEPTIC TANK

SCALE-----N.T.S.

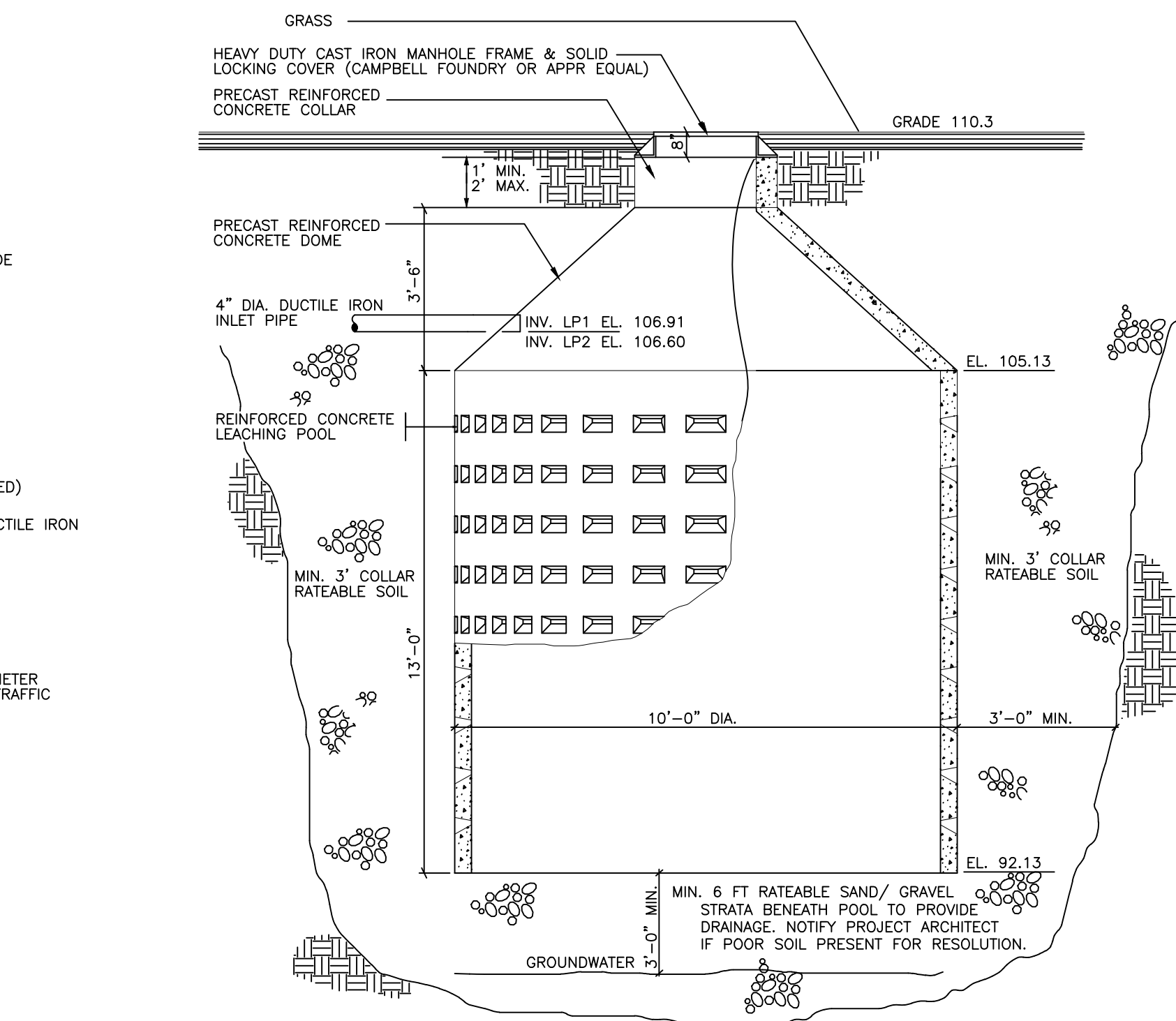


PROPOSED SEPTIC SYSTEM PROFILE

SCALE-----N.T.S.

DEMOLITION NOTES

- THE CONTRACTOR SHALL INSTALL A 6'-0" HIGH TEMPORARY CHAIN LINK FENCE, WITH GATES TO SECURE THE WORK AREA. ACCESS GATES SHALL BE PROVIDED WITH A PADLOCK & CHAIN AND SHALL BE LOCKED AT ALL TIMES. AT PROJECT COMPLETION THE ENTIRE TEMPORARY FENCE AND ALL TEMPORARY CONCRETE FOOTINGS SHALL BE REMOVED FROM THE EXISTING SITE. ALL EXISTING SITE FINISHES DISTURBED BY THE INSTALLATION OF THE TEMPORARY FENCE SHALL BE RETURNED TO MATCH THEIR ORIGINAL CONDITION OR AS CONDITIONS ARE MODIFIED/ UPDATED BY DIRECTION OF THIS PROJECT. ACCESS TO THE REAR OF THE SCHOOL MUST BE KEPT AVAILABLE AT ALL TIMES. CONTRACTOR SHALL MINIMIZE AMOUNT OF AREA CONTAINED WITHIN WORK AREA PERIMETER FENCE. FINAL PLACEMENT OF FENCE SHALL BE SUBJECT TO APPROVAL BY DISTRICT ARCHITECT.
- THE CONTRACTOR SHALL INSTALL SILT FENCE TO PREVENT ANY & ALL STORMWATER RUNOFF INTO NEIGHBORING AREAS AND ADJOINING PROPERTIES. REFER TO NYSDC EROSION AND SEDIMENT CONTROL STANDARDS FOR IMPACT MITIGATION MEASURES.
- PRIOR TO BEGINNING ANY WORK THE GENERAL CONTRACTOR SHALL VERIFY, LOCATE AND MARK THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. MARKERS SHALL REMAIN CLEAR & VISIBLE THROUGHOUT THE DEMOLITION & CONSTRUCTION PHASE AS REQD.
- PRIOR TO BEGINNING ANY WORK THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE ENTIRE SCOPE OF WORK REQUIRED. REFER TO ALL PLANS & SPECIFICATION DOCUMENTS.
- ALL EXISTING TREES & SHRUBBERY WHICH ARE TO REMAIN SHALL BE PROTECTED THROUGHOUT ALL PHASES OF DEMOLITION/ CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMP SNOW FENCING TO PROTECT ALL TREES & SHRUBS WHICH ARE LOCATED IN OR ADJACENT TO THE WORK AREA.
- G.C. SHALL TAKE EXTREME CAUTION IN PREPARATION & EXECUTION OF ALL PHASES OF WORK SO AS NOT TO DISTURB ANY & ALL ADJACENCIES INCLUDING, BUT NOT LIMITED TO NEIGHBORING PROPERTIES, EXISTING FENCES, POWER POLES, ETC.. ALL DAMAGES SHALL BE REPAIRED &/OR REPLACED AT THE GENERAL CONTRACTOR'S SOLE EXPENSE UNDER THE DIRECTION/ SUPERVISION OF THE ARCHITECT. ALL SUCH ITEMS OF REPAIR/ REPLACEMENT SHALL BE COMPLETED TO THE FULL EXTENT & SATISFACTION OF THE ARCHITECT.
- UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER LEACHING POOLS, CATCH BASINS, AND DRAINS WITHIN 50 FEET OF THE PROJECT AREA SHALL BE INSPECTED TO ENSURE CONSTRUCTION DEBRIS, BACKFILL, ETC. DID NOT ENTER DURING CONSTRUCTION. ALL SUCH DEBRIS, BACKFILL, ETC. SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
- ALL FILL USED TO ABANDON EXISTING UNDERGROUND STRUCTURES, REGRADE, ETC. SHALL BE GRANULAR MATERIAL, FREE OF DELETERIOUS MATERIAL, AND SHALL BE COMPACTED IN MAXIMUM 12" LIFTS TO A MINIMUM PROCTOR DENSITY OF 85%.
- ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE CARTED OFF SITE AND LEGALLY DISPOSED OF AT THE GC'S SOLE COST.
- THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING OUT ALL EXISTING IRRIGATION SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO HEADS, VALVES AND PIPING THAT LIE WITHIN THE PROJECT AREA. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING, REPAIRING, AND MAINTAINING THE IRRIGATION SYSTEM FULLY AND PROPERLY, OPERATIONAL AGAIN AT THE CONCLUSION OF CONSTRUCTION. ALL TURF LOST DUE TO LACK OF IRRIGATION SHALL BE RESTORED TO PRECONSTRUCTION CONDITIONS AT THE SITE CONTRACTOR'S SOLE EXPENSE.
- THE EXISTING WATER AND ELECTRIC SERVICES MUST BE REMOVED/MODIFIED TO ALLOW CONSTRUCTION OF THE BUILDING. REFER TO PLANS BY OTHERS FOR REMOVAL/MODIFICATION OF SAME.



SEPTIC SYSTEM LEACHING POOL

SCALE-----N.T.S.

SANITARY FLOW CALCULATIONS-

SITE: NCTM#3-82-20

OUTFALL 001 - PROPOSED RESTROOM BUILDING:

FOUR TENNIS COURTS: 4 COURTS X 200 GPD/COURT = 800 GPD

SOCCER FIELD: 1 FIELD X 2 GAMES PER DAY X 18 PLAYERS PER TEAM X 2 TEAMS X (5 GPD/CAPITA) = 720 GPD

TOTAL FLOW TO PROPOSED SANITARY SYSTEM = 800 + 720 = 1520 GPD

PROPOSED OUTFALL 001 SANITARY SYSTEM COMPONENTS

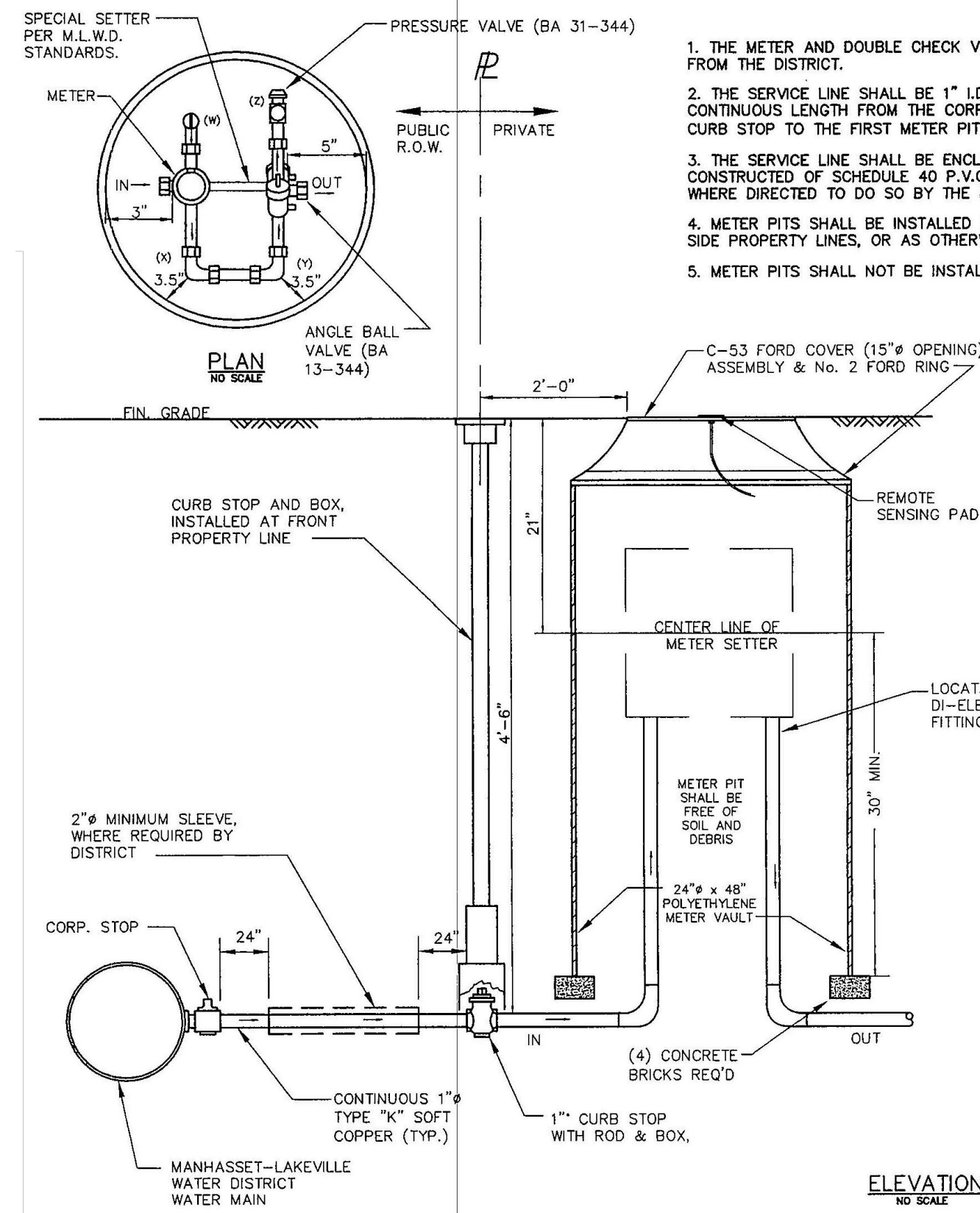
MIN. SEPTIC TANK CAPACITY = 1 DAY X 1520 GPD = 1520 GALS
*PROPOSE 2,000 GALLON SEPTIC TANK

MIN LEACHING AREA = 1520 GPD / (2 GAL/SF-DAY) = 760 SF SIDEWALL AREA
760 SF / (11.4 SF PER FT OF 10" DIA. RING) = 24.2 VLF MIN.
*PROPOSE (2) 10.8 X 13 VLF LEACHING POOL.

* SOIL LEACHING RATE BASED ON SOIL BORINGS BY JCB ASSOCIATES PERFORMED 12-31-2014

NCHD SANITARY SYSTEM GENERAL NOTES

- EXISTING SITE PLAN INFORMATION BASED ON SURVEY BY BARRETT BONACCI & VAN WEELE, P.C. LAST DATED JANUARY 20, 2015.
- REFER TO SOIL BORING REPORT FOR SOIL CHARACTERISTICS.
- PROPOSED GRADES SHOWN HEREON ARE BASED ON EXISTING GRADES AS SHOWN ON THE SURVEY.
- ALL PIPING TO BE CLASS 350 DUCTILE IRON IN ACCORDANCE WITH NCHD REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT UNDERGROUND PIPING, STRUCTURES, ETC. ARE NOT DAMAGED BY CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, BACKFILLING AND COMPACTION. REPAIRS SHALL BE AT THE CONTRACTOR'S SOLE COST.
- SEPTIC TANK, LEACHING POOLS AND ASSOCIATED PARTS SHALL BE PRECAST, REINFORCED CONCRETE SUITABLE FOR H2O LOADS.
- ALL CAST IRON FRAMES AND COVERS SHALL BE SUITABLE FOR H2O LOADS. COVERS SHALL BE "LOCKING" TYPE TO MITIGATE UNAUTHORIZED OPENING.
- ALL FILL AND BACKFILL SHALL BE GRANULAR MATERIAL (SAND AND GRAVEL) FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS. ALL FILL AND BACKFILL SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY (UNLESS OTHERWISE NOTED) IN MAXIMUM 12" LIFTS INCLUDING ALL EXCAVATIONS RESULTING FROM REMOVED AND NEW POOLS.
- ALL LEACHING POOLS ARE DESIGNED IN ANTICIPATION OF FINDING SOIL AT THE LOCATION OF THE POOL WITH A MINIMUM LEACHING RATE AS INDICATED IN THE DESIGN CALCULATIONS. IF POOR DRAINING SOIL IS ENCOUNTERED, CONTRACTOR SHALL NOTIFY PROJECT ENGINEER FOR EVALUATION AND POSSIBLE RE-DESIGN OF LEACHING POOL SYSTEM.
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND LOCAL REGULATORY REQUIREMENTS.
- LOCATION OF EXISTING UNDERGROUND IMPROVEMENTS NOT GUARANTEED AS THEY ARE GENERALLY NOT ACCESSIBLE AT GRADE AND AS-BUILT PLANS WERE NOT AVAILABLE. INFORMATION SHOWN HEREON IS BASED UPON LIMITED FIELD INVESTIGATION. IF OBSTRUCTIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER FOR EVALUATION AND RESOLUTION.
- NON-PAVED AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT TO BE REPAVED ARE TO BE COVERED WITH MIN 3" THICK LAYER OF SCREENED TOPSOIL AND HYDROSEED (GRASS). TOPSOIL TO BE RAKED SMOOTH AND GRADED TO MEET ADJACENT GRADES AND TOP OF PAVEMENT.
- ALL NEW PIPING IS TO BE LEAK TESTED BY THE CONTRACTOR PRIOR TO BACKFILLING, IN ACCORDANCE WITH ASTM RECOMMENDED PRACTICES AND LOCAL STANDARDS.
- ALL TREES AND SITE IMPROVEMENTS DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE PROJECT BY THE G.C. USING SNOW FENCING OR OTHER APPROPRIATE MEANS. ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE COST TO THE SATISFACTION OF THE PROJECT ENGINEER.
- G.C. SHALL BE RESPONSIBLE FOR PREPARING ACCURATE AS-BUILT PLANS AND INSTALLATION CERTIFICATION FOR ALL IMPROVEMENTS INSTALLED AS PART OF THIS PROJECT. PLANS MUST INCLUDE INVERT ELEVATIONS, SIZES, AND MATERIAL OF CONSTRUCTION FOR PIPING. PLANS AND CERTIFICATION TO BE SUBMITTED TO OWNER AND PROJECT ENGINEER. NCHD REQUIRES DESIGN ENGINEER TO SUPERVISE CONSTRUCTION OF THE SANITARY SYSTEM. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF PROJECT COMMENCEMENT A MINIMUM OF 3 DAYS IN ADVANCE. CONTRACTOR'S WORK SCHEDULE SHALL BE SUBJECT TO MODIFICATION BASED ON AVAILABILITY OF ENGINEER FOR INSPECTIONS.
- THE CONTRACTOR SHALL EMPLOY WHATEVER METHODS ARE NECESSARY TO ENSURE A STABLE EXCAVATION AND WORK AREA PER OSHA REQUIREMENTS. SUCH METHODS SHALL INCLUDE, IF NECESSARY, THE INSTALLATION OF SHEET PILING.
- SHALL BE A MINIMUM OF 10 FEET MAINTAINED BETWEEN THE SEPTIC TANK/SEPTIC LEACHING POOLS, AND ALL POTABLE WATER SERVICE PIPES.
- THERE SHALL BE A MINIMUM OF 5 FEET MAINTAINED BETWEEN THE SANITARY LEACHING POOL AND THE SEPTIC TANK.
- THERE SHALL BE A MINIMUM OF 20 FEET MAINTAINED BETWEEN STORM DRAINAGE POOLS AND SANITARY SEPTIC TANK/LEACHING POOLS.
- THERE SHALL BE A MINIMUM OF 10 FEET MAINTAINED BETWEEN THE BUILDING AND SEPTIC TANK.
- THERE SHALL BE A MINIMUM OF 20 FEET MAINTAINED BETWEEN THE BUILDING AND SANITARY LEACHING POOL.
- THERE SHALL BE NO COOKING WITHIN THE PROPOSED BUILDING.



NEW WATER SERVICE DETAIL

SCALE-----N.T.S.

GENERAL NOTES

- THE METER AND DOUBLE CHECK VALVE (N.Y.S. APPROVED) ASSEMBLY, FEBCO BODY SHALL BE PURCHASED FROM THE DISTRICT.
- THE SERVICE LINE SHALL BE 1" I.D. TYPE "K" SOFT TEMPER COPPER TUBING. THE SERVICE MUST BE ONE CONTINUOUS LENGTH FROM THE CORPORATION STOP TO CURB STOP AND ONE CONTINUOUS LENGTH FROM THE CURB STOP TO THE FIRST METER PIT FITTING. THE SERVICE SHALL HAVE 4'-0" OF COVER.
- THE SERVICE LINE SHALL BE ENCLOSED IN A SLEEVE, NO SMALLER THAN 2" INSIDE DIAMETER, AND CONSTRUCTED OF SCHEDULE 40 P.V.C. OR GALVANIZED IRON WHEN THE SERVICE IS BENEATH PAVEMENT OR WHERE DIRECTED TO DO SO BY THE DISTRICT.
- METER PITS SHALL BE INSTALLED 2' INSIDE THE FRONT PROPERTY LINE AND A MINIMUM OF 2' INSIDE THE SIDE PROPERTY LINES, OR AS OTHERWISE DETERMINED.
- METER PITS SHALL NOT BE INSTALLED IN DRIVEWAYS OR PARKING AREAS.
- THE DOUBLE CHECK VALVE ASSEMBLY MUST BE TESTED BY A NEW YORK STATE CERTIFIED BACKFLOW PREVENTION DEVICE INSPECTOR AND THE RESULTS FORWARDED TO THE DISTRICT WITHIN 30 DAYS OF INSTALLATION.
- NO NATURAL OR MANMADE OBSTRUCTIONS (SUCH AS SHRUBBERY, RETAINING WALLS, FENCES, ETC.) SHALL BE PLACED CLOSER THAN 24" TO THE METER PIT COVER RIM.
- UNUSUAL CIRCUMSTANCES MAY PREVENT INSTALLATION AS PRESENTED HERE. SPECIAL PERMISSION MUST BE GRANTED IN ADVANCE BY THE DISTRICT FOR ANY DEVIATION FROM THIS STANDARD DETAIL.
- HOUSE LED SHALL HAVE A DI-ELECTRIC FITTING AS MANUFACTURED BY MUELLER Co. MODEL N-35403.

NOTES:

THIS IS THE MANHASSET LAKE VALLE WATER DISTRICT STANDARD DETAIL FOR A 1" WATER SERVICE. FOLLOW ALL REQUIRED WATER DISTRICT REQUIREMENTS.

DOUBLE CHECK VALVE SPECIFIED IN DISTRICT STANDARD DETAIL IS OBSOLETE. PURCHASE AND USE LATEST WATER DISTRICT APPROVED DCV.

SHEET NO.	28-04-06-03-2-032-001 - MEMORIAL FIELD
DRAWN BY:	3-30-15
DATE:	AS NOTED
SCALE:	AS NOTED
REVISIONS:	REVISIONS
APPROVED BY:	J.M.G.
FILE NAME:	

REVISIONS:	1. 14-10-15 WATER SERVICE
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REVISIONS:	1. 14-10-15 WATER SERVICE
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REVISIONS:	1. 14-10-15 WATER SERVICE
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JAG ARCHITECT

MANHASSET UNION FREE SCHOOL DISTRICT MANHASSET	NEW YORK 2014 BOND ISSUE RELATED CAPITAL IMPROVEMENT PROGRAM - PHASE 2 SANITARY SYSTEM AND WATER SUPPLY
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MANHASSET	NEW YORK
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MEMORIAL FIELD

C-200

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