

TOWN OF DELHI, NEW YORK

MUNICIPAL SWIMMING POOL & BATHHOUSE PROJECT

MAIN STREET
DELHI, NEW YORK
DELAWARE COUNTY



NOTES:

- FENCE & ENTRANCE WAY SHALL HAVE SELF-CLOSING AND POSITIVE SELF LATCHING LOCKABLE GATES.
- LATCH LOCATION TO BE PER NYSDOH (NEW YORK STATE DEPT. OF HEALTH) REQUIREMENTS.
- DEPTH MARKINGS
 - DEPTH MARKING AT WALL OR DECK, SPACED NOT MORE THAN 25 FEET AT 2' INCREMENTS OF DEPTH, MAXIMUM. MINIMUM POINT, BREAK POINT.
 - NUMERAL HEIGHT 4 INCHES OR MORE.
 - COLOR CONTRASTING WITH BACKGROUND.
 - FLOAT LINE AT 5 FEET BREAK POINT.
 - 4 INCH STRIPE OF CONTRASTING COLOR AT BREAKPOINT OR 5 FOOT DEPTH & ON STEPS OR UNDERWATER LEDGES
- LIFEGUARD CHAIRS ARE TO BE ADEQUATE AND LOCATION ACCEPTABLE TO NYSDOH, 2 REQUIRED
- LIFE SAVING EQUIPMENT PROVIDE MIN. 2 UNITES OF (A) & (B) BELOW.
 - TORPEDO BUOY AND RESCUE TUBE WITH A 6 FOOT LINE, RING BUOY AT LEAST 18 INCHES IN DIAMETER, FITTED WITH $\frac{1}{4}$ INCH DIAMETER LINE WITH A LENGTH OF 1.5 TIMES THE MAXIMUM WIDTH OF POOL OR 50 FEET, WHICHEVER IS LESS
 - ONE REACHING POLE 15 FEET LONG
 - COMMERCIALLY AVAILABLE FIRST AID KIT, SEE SPECS. FOR CONTENTS
 - SPINE BOARD
 - POCKET MASK
 - SEE DWG. SW-1, SAFETY EQUIPMENT TABLE FOR ADDITIONAL REQUIREMENTS.
- LIGHTING AND ELECTRICAL
 - WIRING CONFORMS TO NATIONAL ELECTRICAL CODE.
 - POOL AND METAL FIXTURES PROPERLY GROUNDED.
 - NO OVERHEAD ELECTRICAL WIRING WITHIN 20 FEET OF POOL.
 - GROUND FAULT INTERRUPTERS PROVIDED AT BATHROOMS & EXTERIOR.
- INTERCONNECTIONS
 - WATTS 2" DCVA PROVIDED ON FILL PIPE/DRAIN PIPE.
 - APPROVED BACKFLOW PREVENTER INSTALLED ON PUBLIC W.S.(1' AIRGAP TO GRADE)
 - WATER SUPPLY MEETS PART 5 OF CODE.
- TURNOVER AND PIPING
 - TURNOVER RATES ACCEPTABLE AT 4 TIMES EACH DAY.
 - SUCTION LINE VELOCITY IS LESS THAN 6FT/SEC. (3FPS)
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 - PIPING DETAILS SHOWN ON PLANS. (SCHEMATICS)
 - PIPING COLOR CODED, SEE SPECS.
- OVERFLOW SYSTEM
 - GUTTERS PROVIDED (POOL GREATER THAN 2000SQ. FT).
 - CAPABLE OF REMOVING 100% OF RECIRCULATION.
 - SURGE CAPACITY ACCEPTABLE AT 5000 GALS.
- DRAINS
 - MINIMUM TWO DRAINS PROVIDED; EACH DESIGNED TO CARRY 100% OF THE RECIRCULATION FLOW.
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- PUMP
 - MAKE AND MODEL#, PENTAIR CH-75, CAPACITY 380 @ HEAD 64 FT.
 - PUMP CURVES AND EAD LOSS CALCULATIONS ATTACHED.
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 - FLOW METER 4" MAGNETIC FLOW METER.
 - LOCATION OF FLOW METER IN STRAIGHT RUN OF PIPE
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 - INLET JETS FLUSH WITH POOL WALL OR FLOOR.
- CARTRIDGE FILTER. FILTERS MEET STANDARDS OF ACCEPTABILITY FOR:
 - MAKE HAYWARD, MODEL C7030, AREA 700 SQ. FT
 - NSF LISTED
 - FILTRATION RATE 150 GPM EACH OF TWO (2)
 - BACK WASH RATE NA
 - PRESSURE GAUGES 2 EACH, 0-100FT. PRESSURE - ONE BEFORE & ONE AFTER FILTER
- DISINFECTION.
 - CHLORINE SYSTEM TO PROVIDED MINIMUM DISINFECTION CONCENTRATION REQUIRED, 20 PPD
 - PIPING TO PROVIDED SATISFACTORY CONTRACT TIME.

GOVERNING CODES:
NEW YORK DEPARTMENT OF HEALTH

BUILDING CODE OF NEW YORK 2010
PLUMBING CODE OF NEW YORK
NATIONAL ELECTRICAL CODE
VILLAGE OF DELHI, NEW YORK WATER & SEWER REGULATION
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
EROSION MANAGEMENT REGULATIONS
LOCAL GOVERNING UTILITIES REGULATION

EQUIPMENT & PRODUCTS NOTES

- PLUMBING FIXTURES SHALL BE COMMERCIAL MODELS AMERICAN STANDARD OF EQUAL, FLUSH VALVE TYPE BY P-1
- BATHROOM FIXTURES & TOILET ACCESSORES FOR MENS & WOMENS ROOM SHALL EACH INCLUDE (BY P-1)
 - ELECTRIC HAND DRYER, 208 VOLT, SINGLE PHASE WALL MOUNT, POWER BY E-1.
 - MIRRORS, WALL MOUNT, MINIMUM 16" x 24".
 - ADA APPROVED GRAB BARS, S.S. GRADE 304.
 - TOILET PAPER HOLDERS, TWO(2) ROLL COMMERCIAL TYPE.
 - TOILET & URINAL ENCLOSURES/PARTITIONS, HIGH GLOSS ENAMEL WITH LOCKABLE DOORS.
 - TRUSS MOUNTED POWER VENT TO OUTSIDE LOUVER POWER BY -1.
- CHLORINE & ACID METERING PUMPS TO BE PULSAFEEDER OR OTHER NATIONALLY RECOGNIZED MFR. WITH MATERIALS RECOMMENDED FOR EACH DUTY, MANUAL STROKE & SPEED ADJUSTMENT.
- POOL PUMP MODEL CHK-75, PENTAIR OR EQUAL.
- STAINLESS STEEL GUTTER SYSTEM BY NATARE, DURATECH OR EQUAL, 5 YEARS WARRANTEE.
- MAGNETIC FLOW METER
- POOL INLET JETS POOLINE POOL JET.
- HOT BOX ALUMINUM, INSULATED & HEATED, BYHUBBELL POWER SYSTEMS.
- FLOW SENSORS & MONITOR TO START/STOP METERING PUMPS, SUPPLIED BY E-1 FOR INSTALLATION BY G-1 & POWER/CONTROL BY E-1, GF SIGNET 575 PR EQUAL WALL MOUNTED 5090 FLOOR MONITOR.
- MAIN POOL DRAINS 16" SQUARE STAINLESS STEEL, JOSAM 45830 WITH S.S. GRATE, 6" DRAIN CONNECTION
- KADDERS INTERFAB DESIGNER 3 THREAD LADDER WITH S.S. STEPS.
- MURIATIC ACID & CHLORINE TANKS 50 GALLON DOUBLE WALL # 52752 RECREONICS INC. OR EQUAL
- SURGE TANK PREFAB CONCRETE LAKELANDS KISTNER OR EUQAL WITH DESIGN CERTIFICATION
- HANDICAPPED LIFE TO BE INSTALLED IN LOCATION DIRECTED, BY PAL 1000 PORTABLE POOL LIFT.
- POOL SKIMMER
- WOOD TRUSSES CERTIFIED BY MANUFACTORER FOR ROOF DEAD LOAD + 60 PSF LIVE LOAD + 15 PSF WIND LOAD.
- HAND RAILING TO BE SEAMLESS WELDED TYPE 304 S.S.
- CHECK, BALL, WAFER & GATE VALVES TO BE CLOW OR EQUAL SUBMIT FOR APPROVAL PRIOR TO ORDER, PVC OR S.S. WETTED PARTS.
- RP2 SUPPLY, INSTALLATION TESTING & CERTIFICATION BY P-1, HOT BOX INSTALLED UNDER G-1 ON MINIMUM 18" COMPACTED #1/#2 CRUSHED STONE BASE, E-1 TO PROVIDE POWER.

IMPORTANT NOTE:
Refer to the Department of Health approval certificate and/or cover letter for SPECIAL CONDITIONS regarding this approval.

LIST OF DRAWINGS

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ALL RIGID INSULATION, INSULATION BOARD, DOW BOARD, FOAM INSULATION OR AS OTHERWISE CALLED OUT ON THE DRAWINGS SHALL BE OWENS CORNING FOAMULAR 1000 TYPE V EXTRUDED POLYSTYRENE INSULATION 3PCF, 100 PSI MINIMUM, OR EQUAL

NEW YORK STATE DEPARTMENT OF HEALTH
ONEONTA DISTRICT OFFICE

Dated: August 28, 2017

These plans for:

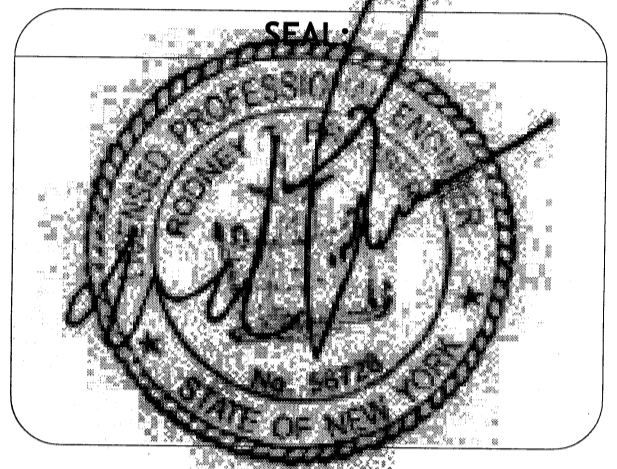
New swimming pools

are hereby approved by
for the State Commissioner of Health

LAKESIDE ENGINEERING P.C.
11 CENTRE PARK, SUITE 305
ROCHESTER, NY 14614
PHONE 585.279.9300
lsengrpc.com
ARCHITECTURAL, CIVIL, ENVIRONMENTAL,
ELECTRICAL & MECHANICAL ENGINEERS

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DATE: 06/19/17

SCALE: NTS

DRAWN BY: S.D./J.X.

REVIEWED BY: R.P.

JOB ID: DT016-001

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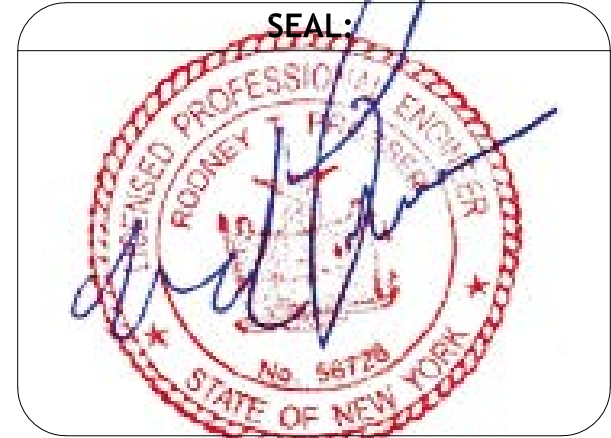
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PROJECT NOTES

1. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREA OF CONSTRUCTION. FOR DESCRIPTIVE AND SURVEY DATA ON THE CONTROL MONUMENTS, CALL THE MONROE COUNTY GEODETIC SURVEY OFFICE.
2. EXISTING UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS.
3. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION.
4. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS.
5. SANITARY SEWER PIPE SHALL BE PVC SDR-21.
WATER SERVICE SHALL BE 1/2" COPPER PIPE.
DRAINAGE IS ACCOMPLISHED UTILIZING AN EXISTING SWALE.
6. EROSION CONTROL DEVICES TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF HENRIETTA
7. OWNER WILL BRING SWIMMING POOL & BATHHOUSE AREA TO ROUGH GRADE AT START OF WORK.

EROSION CONTROL

- A. LINEAR STRAW BALES WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER.
- B. ALL INLETS TO THE STORM SYSTEM SHALL BE STRAW BALED ON ALL SIDES TO CONTROL SILTATION. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE BALES UNTIL GROUND COVER IS ESTABLISHED.
- C. ALL EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- D. EROSION CONTROL MEASURES SHALL BE IN PLACE AND SHALL BE APPROVED BY THE TOWN PRIOR TO ISSUANCE OF A FOUNDATION OR BUILDING PERMIT.
- E. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS OR HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL. EROSION CONTROL MEASURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
- F. ALL DISTURBED AREAS SHALL BE PROTECTED FROM EROSION EITHER BY MULCH OR TEMPORARY SEEDING WITHIN TWO WEEKS OF DISTURBANCE.
- G. ALL TREES TO BE SAVED SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIP LINE OR A DISTANCE GREATER THAN THE DRIP LINE. TREES SHALL BE PRUNED, WATERED AND FERTILIZED PRIOR TO DURING AND AFTER CONSTRUCTION. MATERIAL AND EQUIPMENT STORAGE SHALL NOT BE ALLOWED IN FENCED AREAS.
- H. ANY CONTRACTOR OR INDIVIDUAL INVOLVED IN THE PLANTING, MAINTENANCE OR REMOVAL OF TREES SHALL COMPLY WITH THE REQUIREMENTS OF THE TOWN'S COMPREHENSIVE DEVELOPMENT REGULATIONS FOR EXCAVATION AND CLEARING (CHAPTER 66), TREES (CHAPTER 175) AND OTHER PERTINENT REGULATION. THE CONTRACTOR SHALL BE A REGISTERED TREES SERVICE PROVIDER WITH THE TOWN. SHALL CARRY INSURANCE AS REQUIRED BY CHAPTER 175 OF THE TOWN'S COMPREHENSIVE DEVELOPMENT REGULATION.

SITE PLAN OF SITE
SCALE 1" =20'



L

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ENGINEERING P.C.

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ROCHESTER, NY 14614
PHONE 585.279.9300
lsengrpc.com

ARCHITECTURAL, CIVIL, ENVIRONMENTAL,
ELECTRICAL & MECHANICAL ENGINEERS

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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NO.	DATE	DESCRIPTION
1.		

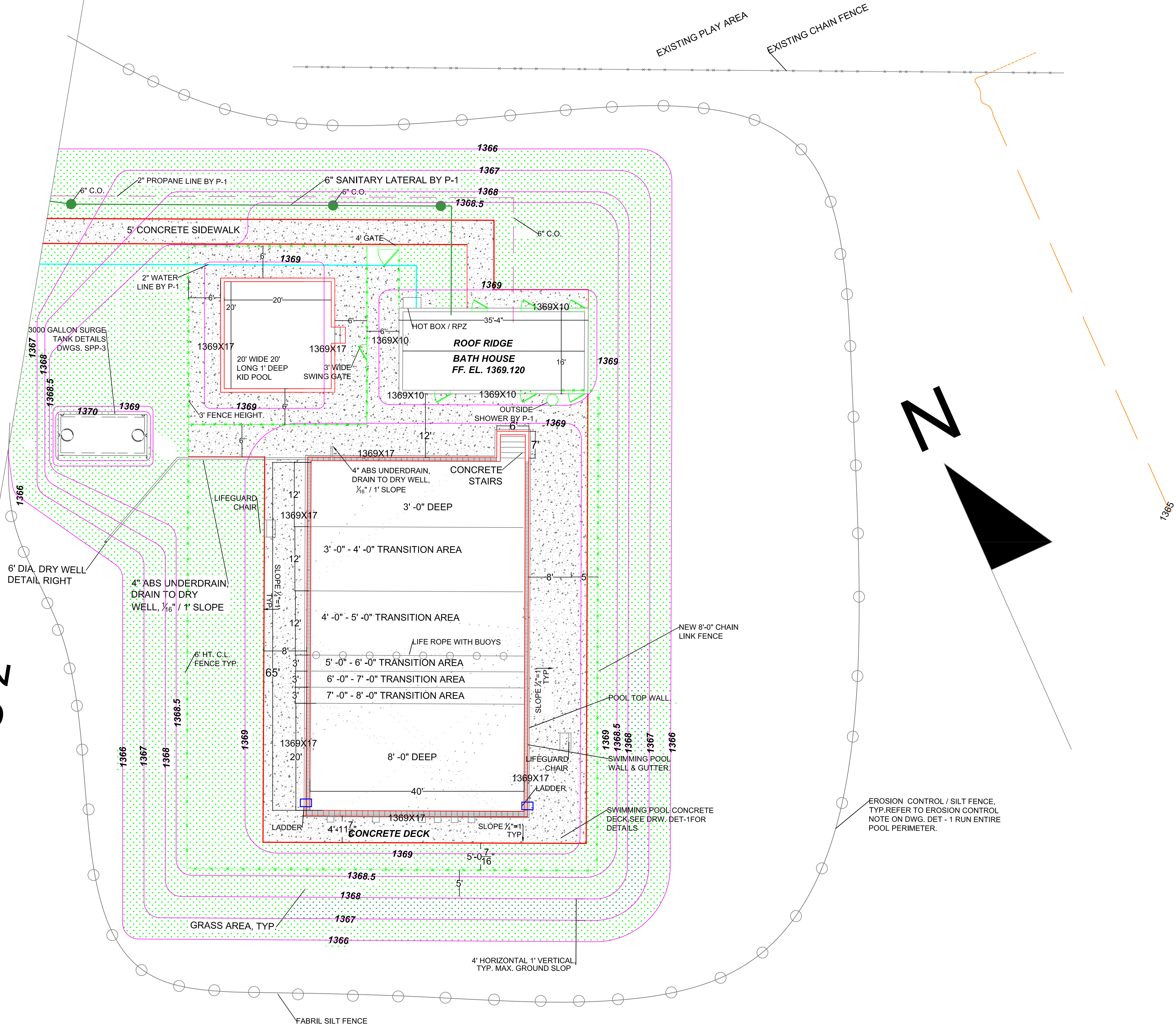
PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
OVERALL GENERAL
SITE PLAN, FOR
INFORMATION ONLY

DATE: 03/22/17
SCALE: 1" =20'
DRAWN BY: J.L.M., ± S.D.
REVIEWED BY: R.P.
JOB ID: DT016-001

DRAWING NO:
SECTION NO. /
SHEET NO.
S-0 /1

MATCH S-2



SITE PLAN OF POOL AREA
SCALE 1" = 10'

LEGEND

EXISTING CONTOUR

NEW CONTOUR

CHAIN LINK FENCE

GRATE

SILT FENCE

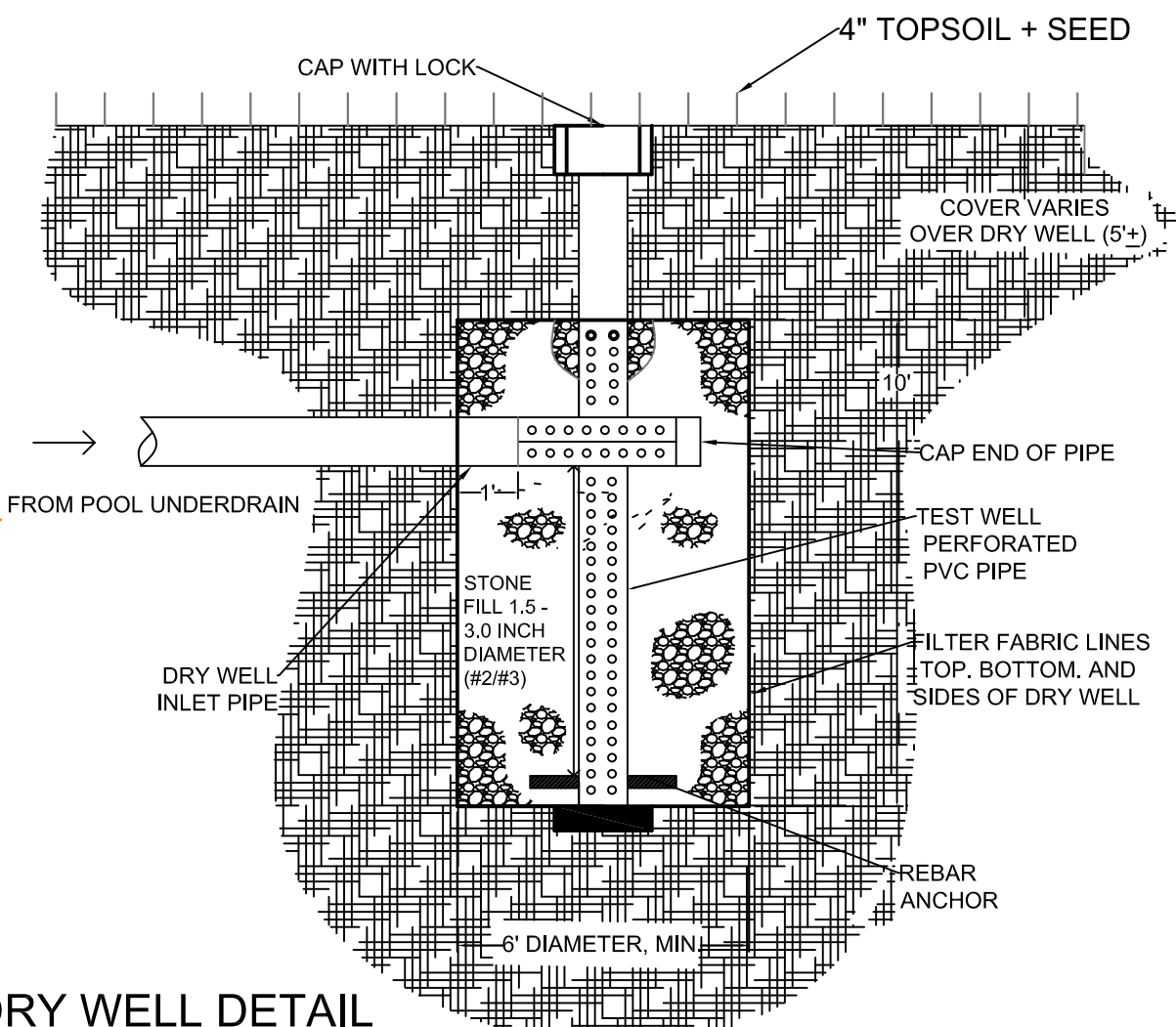
6" SANITARY SEWER LINE

2" GAS LINE

1369.10' SPOT ELEVATION X

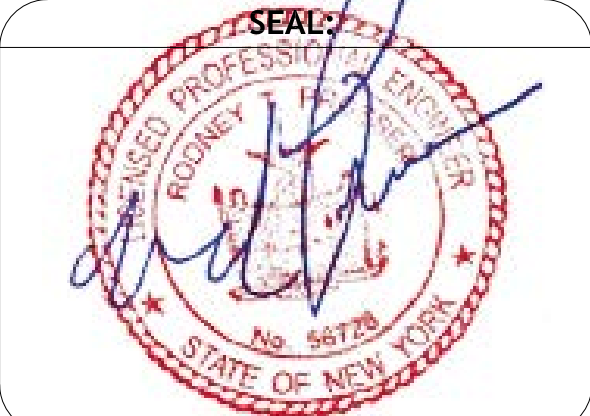
NOTE: THE EXISTING SITE WILL BE EXCAVATED OF DEMOLITION & DEBRIS MATERIAL TO AN APPROX. 8'0 DEPTH. CLEAN SELECT FILL MATERIALS WILL THEN BE PROVIDED BY OTHERS, FULLY COMPACTED, TO THE APPROXIMATE POOL BOTTOM ELEVATIONS SHOWN MINUS ONE FT. (+/-), HEREON. ALL EROSION MANAGEMENT, GRADING, TOP SOIL, SEEDING, & OTHER WORK FOR FINAL COMPLETION SHALL BE BY CONTRACT G-1

NOTE: TOWN WILL FILL SITE TO APPROXIMATES GRADES REQUIRED FOR CONSTRUCTION, CONTRACTOR DOES FINAL GRADING, TOPSOIL, SEED, ETC.



DRY WELL DETAIL
N.T.S

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	7/31/17	REVISE WADING POOL SIZE 20' x 20'

PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL & BATH HOUSE PROJECT

DRAWING TITLE:
SITE PLAN OF POOL AREA & DRY WELL DETAIL

DATE: 08/07/17
SCALE: AS SHOWN
DRAWN BY: S.D./J.J.X
REVIEWED BY: R.P.
JOB ID: DT016-001
DRAWING NO:
SECTION NO./ SHEET NO.
S-1/2

LEGEND

- OLD CONTOUR

NEW CONTOUR
- CHAIN LINK FENCE

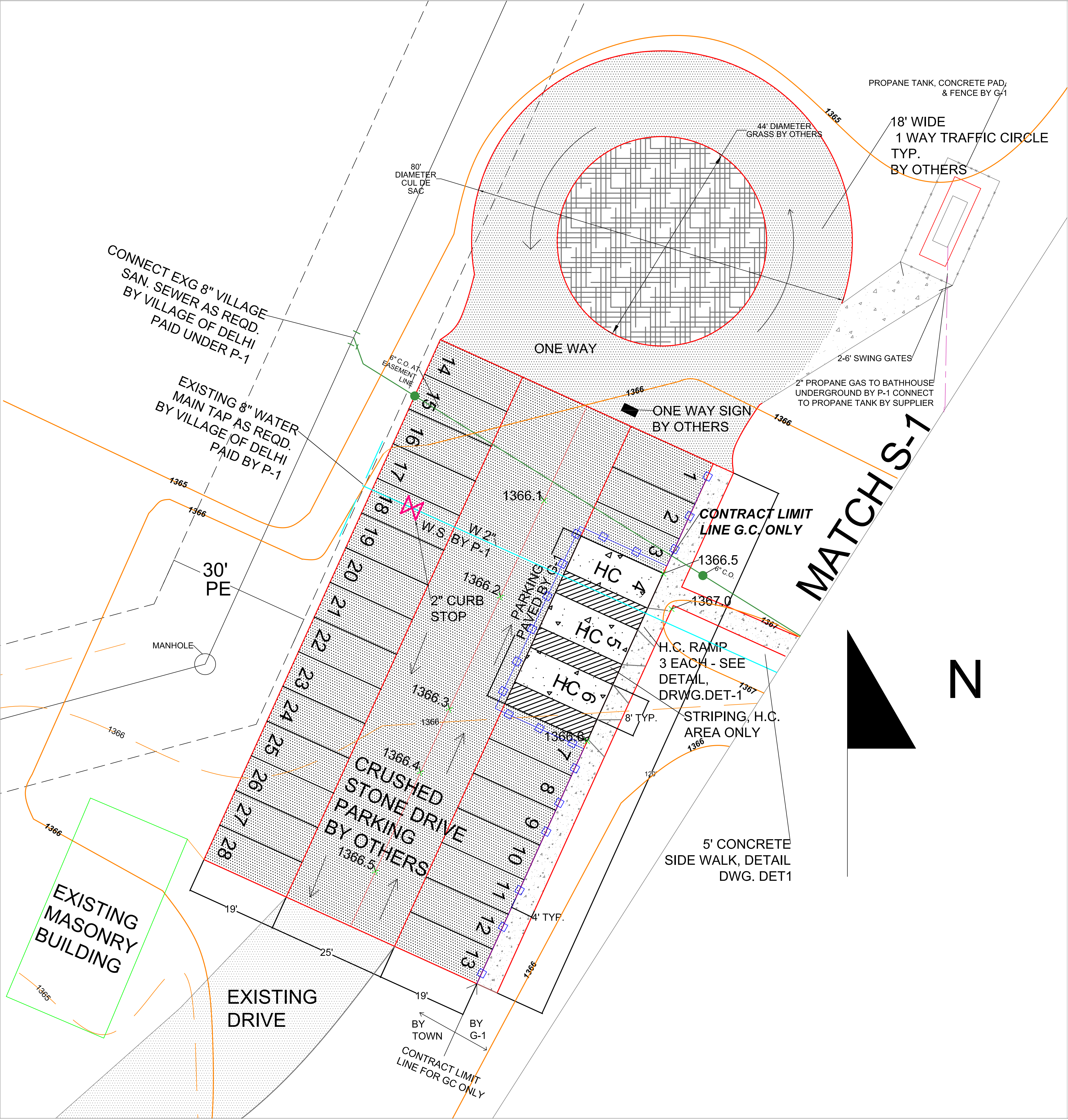
CONTRACT LIMIT FOR G-1
- VILLAGE SANITARY SEWER & MANHOLE

NEW 6" SANITARY SEWER LINE (P-1)
- 2" GAS LINE (P-1)

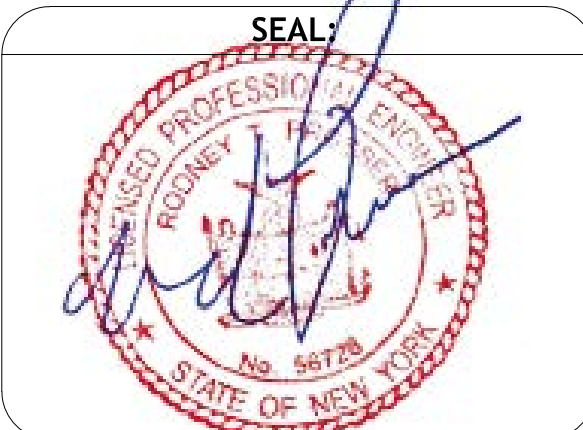
2" WS LINE (P-1)
- 2" WS

NOTE: G-1 CONTRACT INCLUDES SIDEWALK, PROPANE TANK WORK, (PORTABLE TANK BY OTHERS) SIDEWALK, ASPHALT, HANDICAPPED PARKING, & NECESSARY LANDSCAPING ONLY TO CONTRACT LIMIT LINE SHOWN. P-1 TO PROVIDE WATER LINE SEWER LINE & PROPANE LINE WORK

SITE PLAN OF PARKING AREA
SCALE 1"=10'



CLIENT:
TOWN OF DELHI, NEW YORK
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DELHI, NEW YORK 13753



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NO.	DATE	DESCRIPTION
1.		

PROJECT:
TOWN OF DELHI NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
SITE PLAN OF DRIVEWAY &
PARKING AREA & LIQUID
PROPANE STORAGE TANK,
PLUMBING P-1 WATER,
SEWER & PROPANE

DATE: 03/23/17	DRAWING NO:
SCALE: 1"=10'	SECTION NO./ SHEET NO.
DRAWN BY: S.D./J.X.	S-2/3
REVIEWED BY: R.P.	
JOB ID: DT016-001	

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:

NO.	DATE	DESCRIPTION
1.		

PROJECT:

TOWN OF DELHI NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

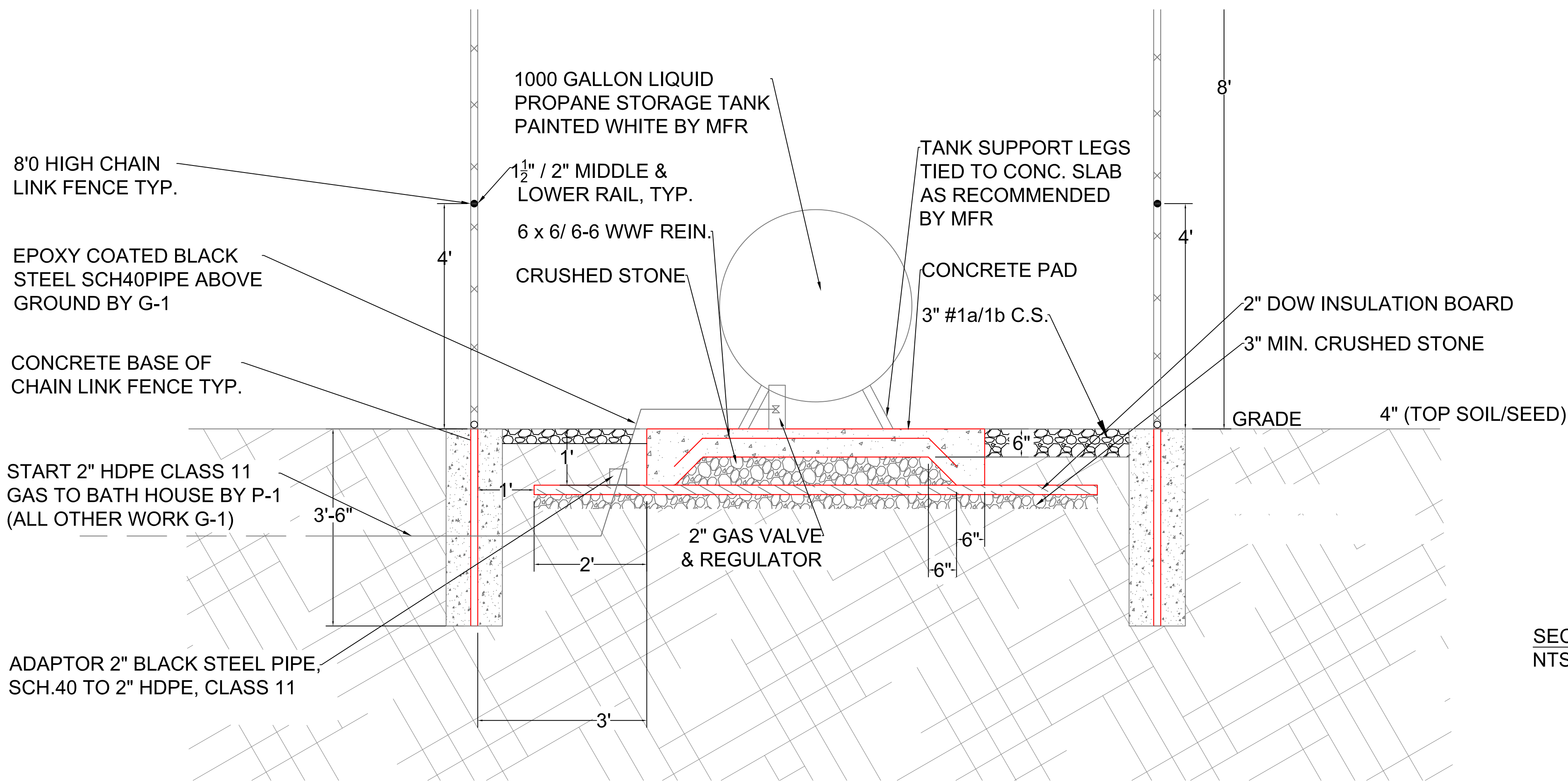
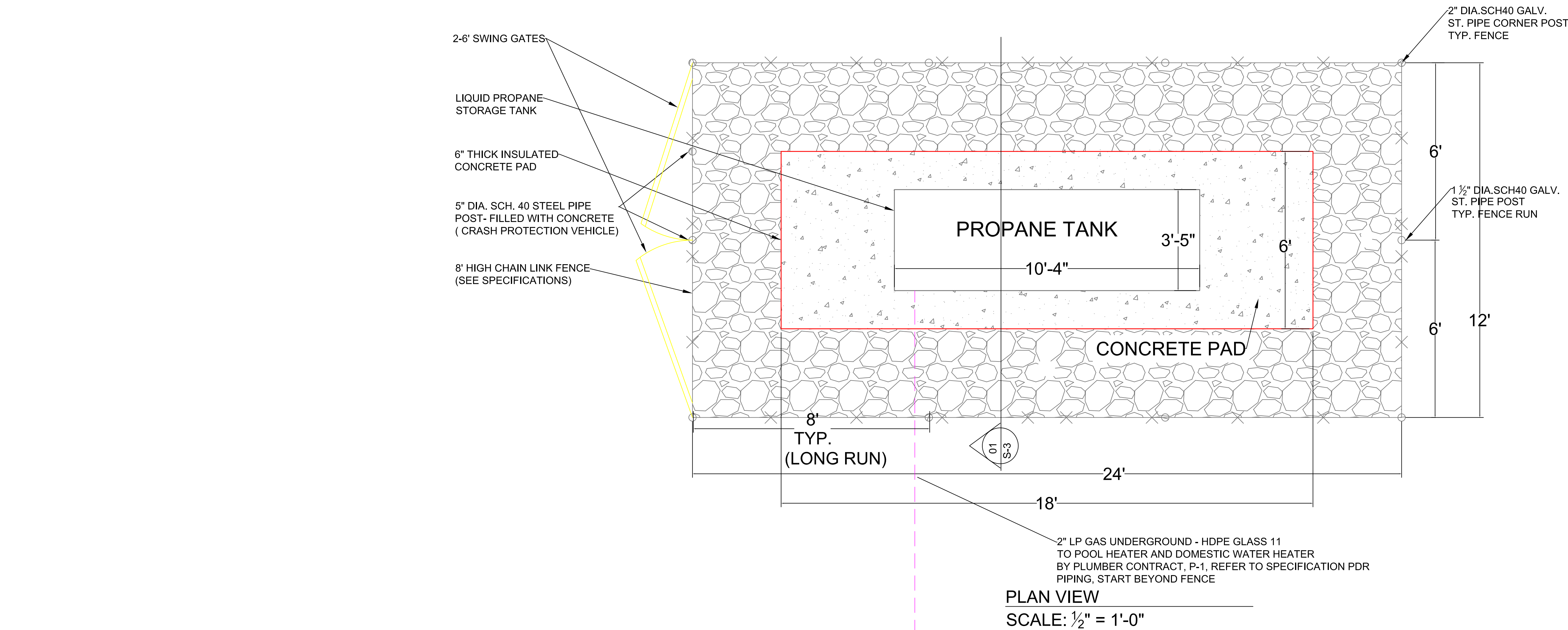
PROPANE TANK, CONCRETE
PAD, ENCLOSURE

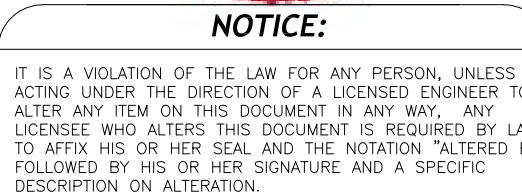
DATE: 03/15/17
SCALE: AS SHOWN
DRAWN BY: S.D./J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001

DRAWING NO:

SECTION NO. /
SHEET NO.

S-3/4





REVISIONS:		
NO.	DATE	DESCRIPTION
1.		

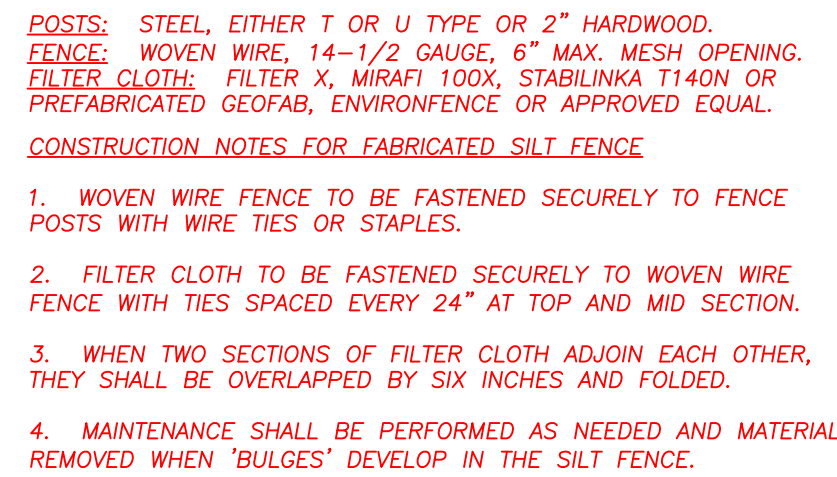
PROJECT:

TOWN OF DELHI NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

MISCELLANEOUS SITE
DETAILS

DATE:	06/26/17
SCALE:	NTS
DRAWN BY:	S.D./J.X.
REVIEWED BY:	R.P.
JOB ID:	DT016-001



NOT TO SCALE



NOT TO SCALE



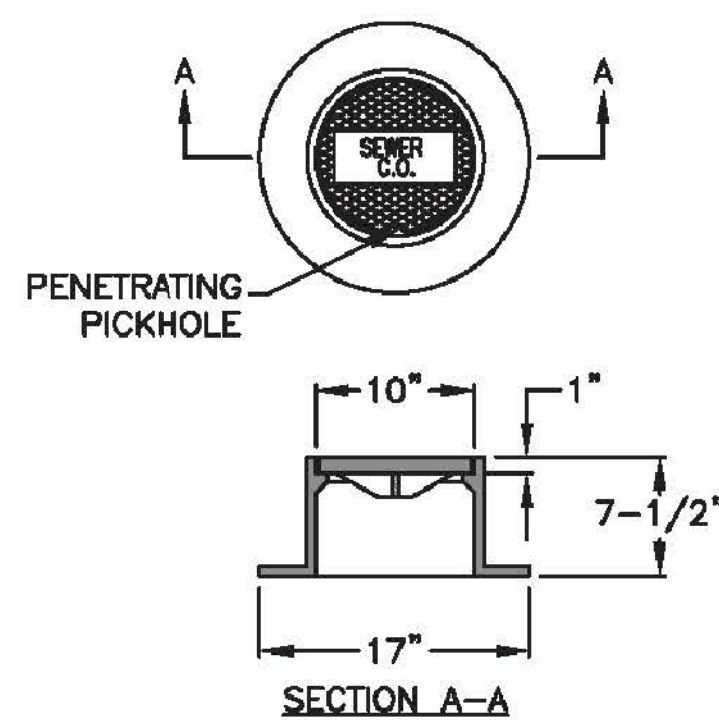
NOT TO SCALE



NOT TO SCALE



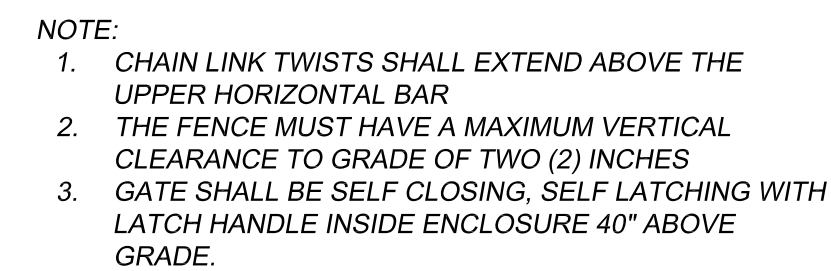
NOT TO SCALE



PROTECTIVE CASTING
INSPECTION PORT



NOT TO SCALE



SEWER CLEANOUT DETAIL

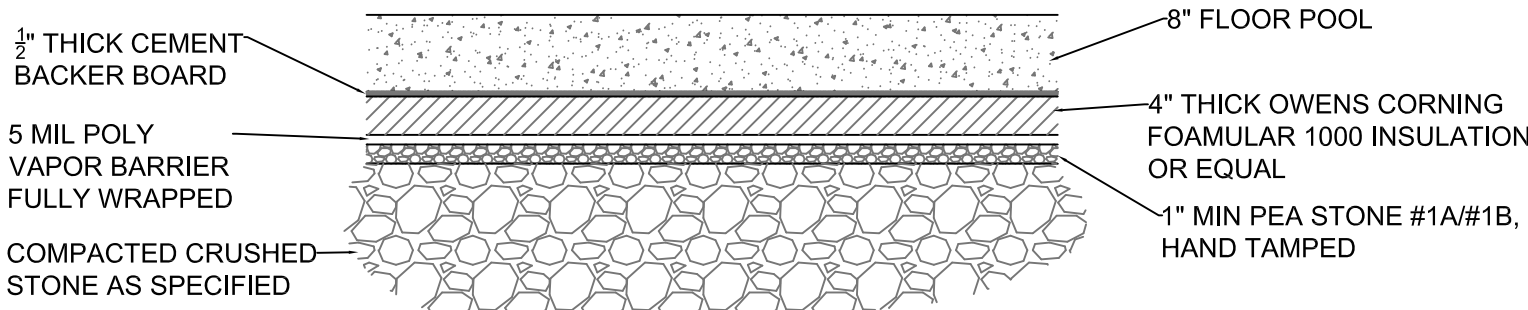
NOT TO SCALE

PROJECT NOTES

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF DELHI, AND/OR THE APPROPRIATE WATER AND/OR SEWER AND/OR DRAINAGE DISTRICT(S), UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREA OF CONSTRUCTION. FOR DESCRIPTIVE AND SURVEY DATA ON THE CONTROL MONUMENTS, CALL THE MONROE COUNTY GEODETIC SURVEY OFFICE.
3. EXISTING UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS.
4. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION.
5. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS.
6. SANITARY SEWER PIPE SHALL BE PVC SDR-21. WATER SERVICE SHALL BE 2" COPPER PIPE. DRAINAGE IS ACCOMPLISHED UTILIZING AN EXISTING SWALE.
7. EROSION CONTROL DEVICES TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF DELHI
8. ALL ROOF DRAINS SHALL BE CARRIED BY DOWN SPOUTS TO SPLASH BLOCKS.
9. UPON COMPLETION OF THE PROJECT, AS BUILT PLANS OF THE COMPLETED SITE WORK, BUILDING LOCATION, AND LANDSCAPING SHALL BE FURNISHED ON BY THE OWNER PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, SUCH PLANS SHALL BE FILED WITH THE TOWN BUILDING DEPARTMENT.
10. PINNING OF LOT CORNERS SHALL BE COMPLETED BEFORE THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT SUITABLE DUST CONTROL MEASURES ON ALL GRAVEL OR STONE PARKING AREAS & ROADWAY SURFACES TO SATISFY TOWN REQUIREMENTS.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ADEQUATE EROSION CONTROL MEASURES ARE INSTALLED TO PREVENT THE MIGRATION OF SOILS FROM THIS SITE.

EROSION CONTROL

- A. LINEAR STRAW BALES WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER.
- B. ALL INLETS TO THE STORM SYSTEM SHALL BE STRAW BALED ON ALL SIDES TO CONTROL SILTATION. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE BALES UNTIL GROUND COVER IS ESTABLISHED.
- C. ALL EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- D. EROSION CONTROL MEASURES SHALL BE IN PLACE AND SHALL BE APPROVED BY THE TOWN PRIOR TO ISSUANCE OF A FOUNDATION OR BUILDING PERMIT.
- E. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS OR HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL.EROSION CONTROL MEASURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
- F. ALL DISTURBED AREAS SHALL BE PROTECTED FROM EROSION EITHER BY MULCH OR TEMPORARY SEEDING WITHIN TWO WEEKS OF DISTURBANCE.
- G. ALL TREES TO BE SAVED SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIP LINE OR A DISTANCE GREATER THAN THE DRIP LINE. TREES SHALL BE PRUNED,WATERED AND FERTILIZED PRIOR TO,DURING AND AFTER CONSTRUCTION.MATERIAL AND EQUIPMENT STORAGE SHALL NOT BE ALLOWED IN FENCED AREAS.



POOL FLOOR FOAM BOARD INSULATION TREATMENT DETAIL
N.T.S.

GRADING

1. ALL SITE ROUGH GRADING SHALL BE COMPLETED BEFORE NEW CONSTRUCTION CAN PROCEED.

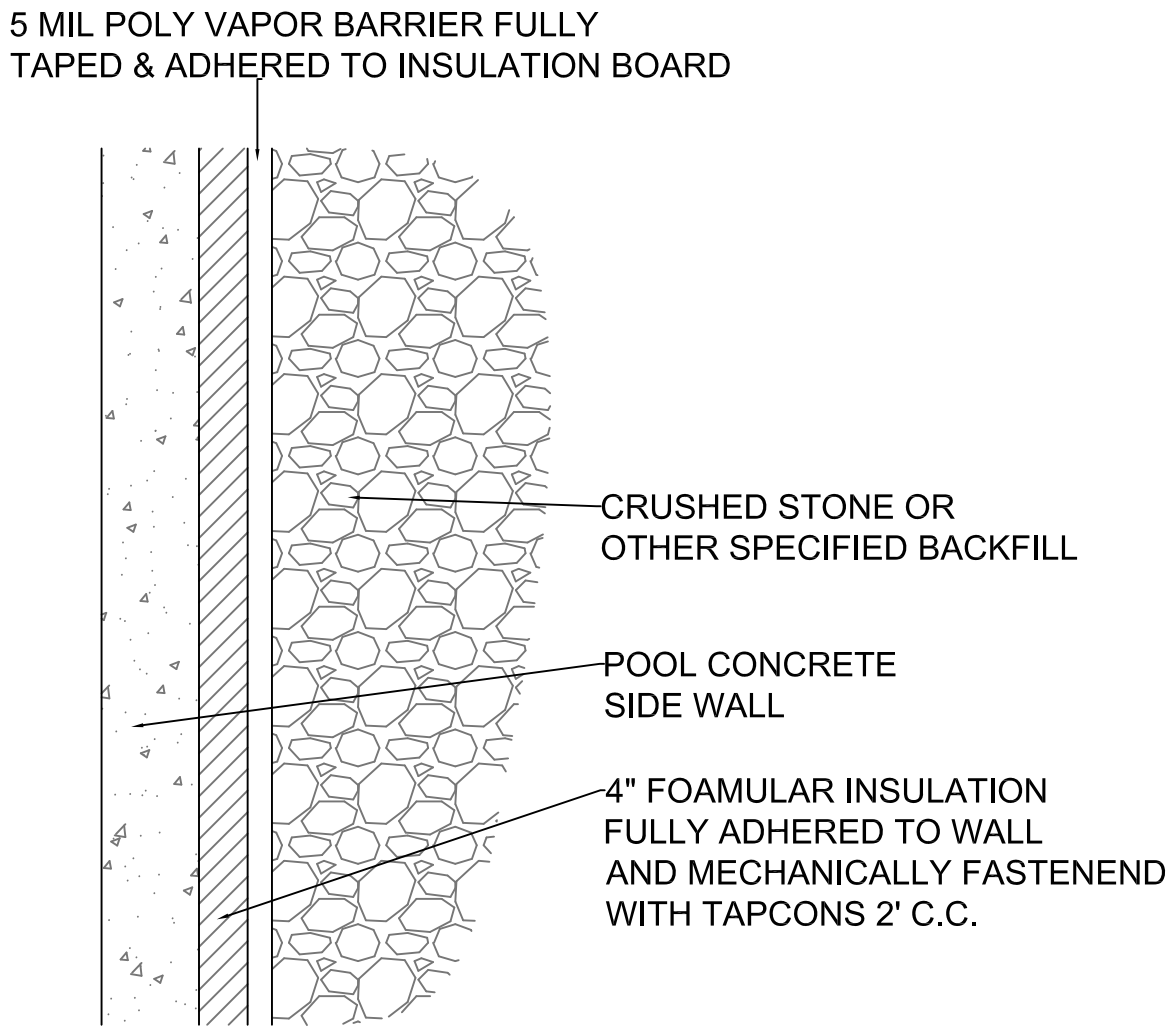
EROSION AND SEDIMENT CONTROL/CONSTRUCTION SEQUENCE

PRIOR TO STARTING CONSTRUCTION AND DISTURBING THE SITE, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING THE TEMPORARY STABILIZED CONSTRUCTION ENTRANCE IN THE LOCATION OF THE PROPOSED ENTRANCE & ESTABLISHING THE PERIMETER SILTATION FENCING. ONCE THESE MEASURES ARE IN PLACE, THE GENERAL CONTRACTOR CAN THEN PERFORM NECESSARY CLEARING AND CONSTRUCTION ON THE SITE. STOCKPILED TOPSOIL IS TO BE STORED AT THE REAR AND PROTECTED BY ITS OWN STOCKPILE PERIMETER SILTATION FENCE. EXCESS SPOIL IS TO BE IMMEDIATELY REMOVED FROM THE SITE.

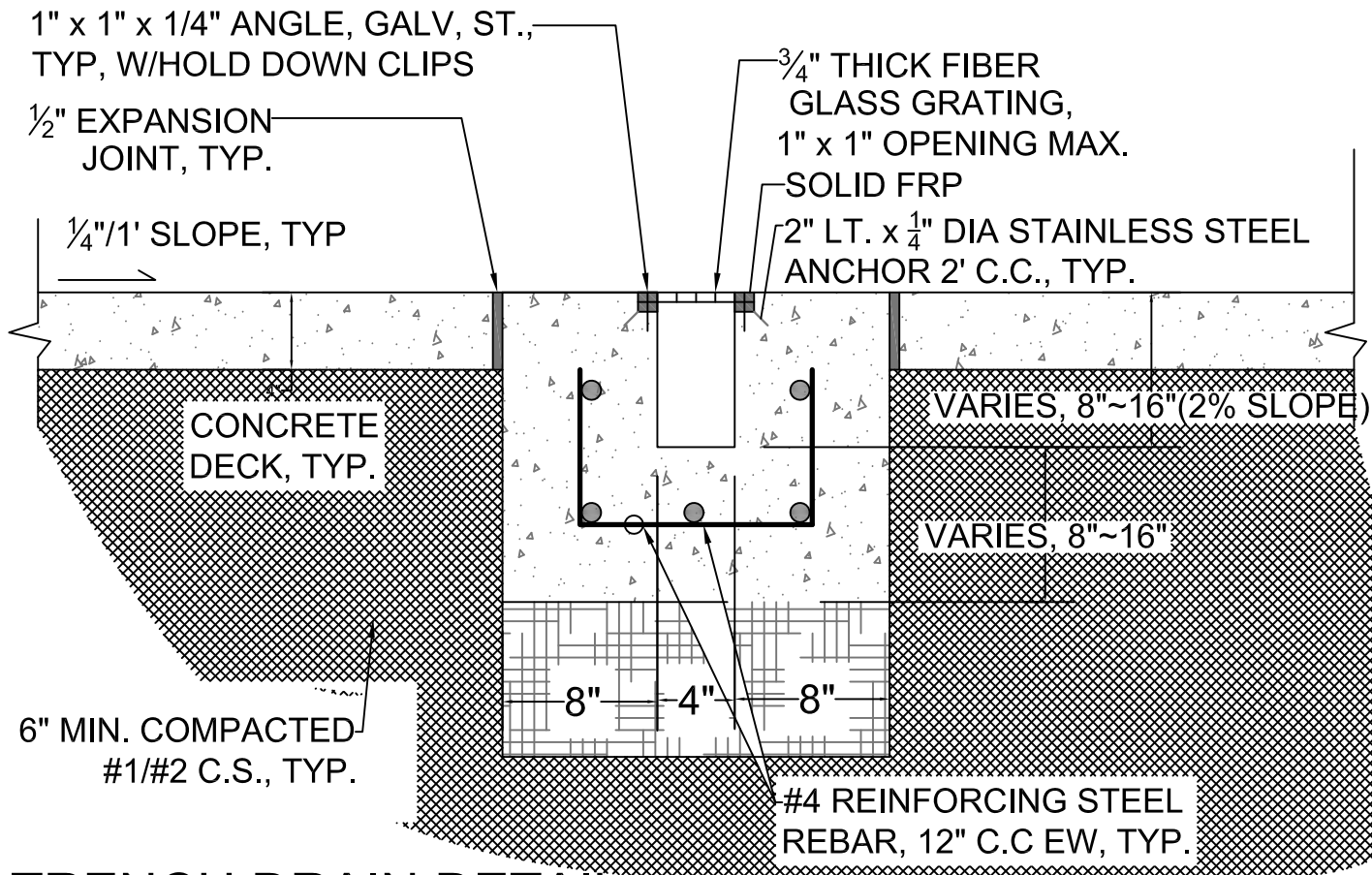
WHENEVER ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND EXPOSED SOIL SHOULD BE STABILIZED BY SEED, MULCH OR OTHER APPROPRIATE MEASURES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE CEASED. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY, STABILIZATION SHOULD BE COMPLETED WITHIN 14 DAYS OR AS SOON AS POSSIBLE. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE APPLIED IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETED. DURING CONSTRUCTION ACTIVITIES, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND INSPECTING EROSION AND SEDIMENT CONTROL MEASURES ON A DAILY BASIS. ROUTINE MAINTENANCE MUST BE IDENTIFIED ON THE CONSTRUCTION SCHEDULE AND PERFORMED ON A REGULAR BASIS AND AS SOON AS PROBLEM IS IDENTIFIED. DURING CONSTRUCTION ACTIVITIES, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING ANY MAINTENANCE. THIS PERIOD SHALL INCLUDE ALL THE REQUIRED SITE AND BUILDING CONSTRUCTION IMPROVEMENTS. NO SEDIMENTATION CONTROL DEVICE MAY BE REMOVED WITHOUT APPROVAL OF THE TOWN. WHEN GROUND COVER IS FULLY ESTABLISHED AND CONSTRUCTION IS DEEMED COMPLETE, THEN MAY EROSION CONTROL DEVICES AND CONSTRUCTION FENCING BE REMOVED. PRIOR TO REMOVAL OF EROSION MANAGEMENT SYSTEM, TOPSOIL, SEEDING AND DEVELOPMENT OF GRASSED AREAS IS REQUIRED TO THE SATISFACTION OF THE TOWN.

IN ORDER TO FINALIZE GRADING AND LANDSCAPING, ALL OPEN AREAS INCLUDING BORROW AND SPOIL AREAS MUST BE STABILIZED. STABILIZATION MUST BE UNDERTAKEN NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE CEASED. NO TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED WITHOUT APPROVAL FROM THE TOWN OFFICIALS.

ALL ELEVATIONS USGS DATUM, 1988



POOL SIDEWALL FOAM BOARD INSULATION DETAIL
N.T.S.



TRENCH DRAIN DETAIL
N.T.S.

PUBLIC WATER SERVICE LINE NOTES

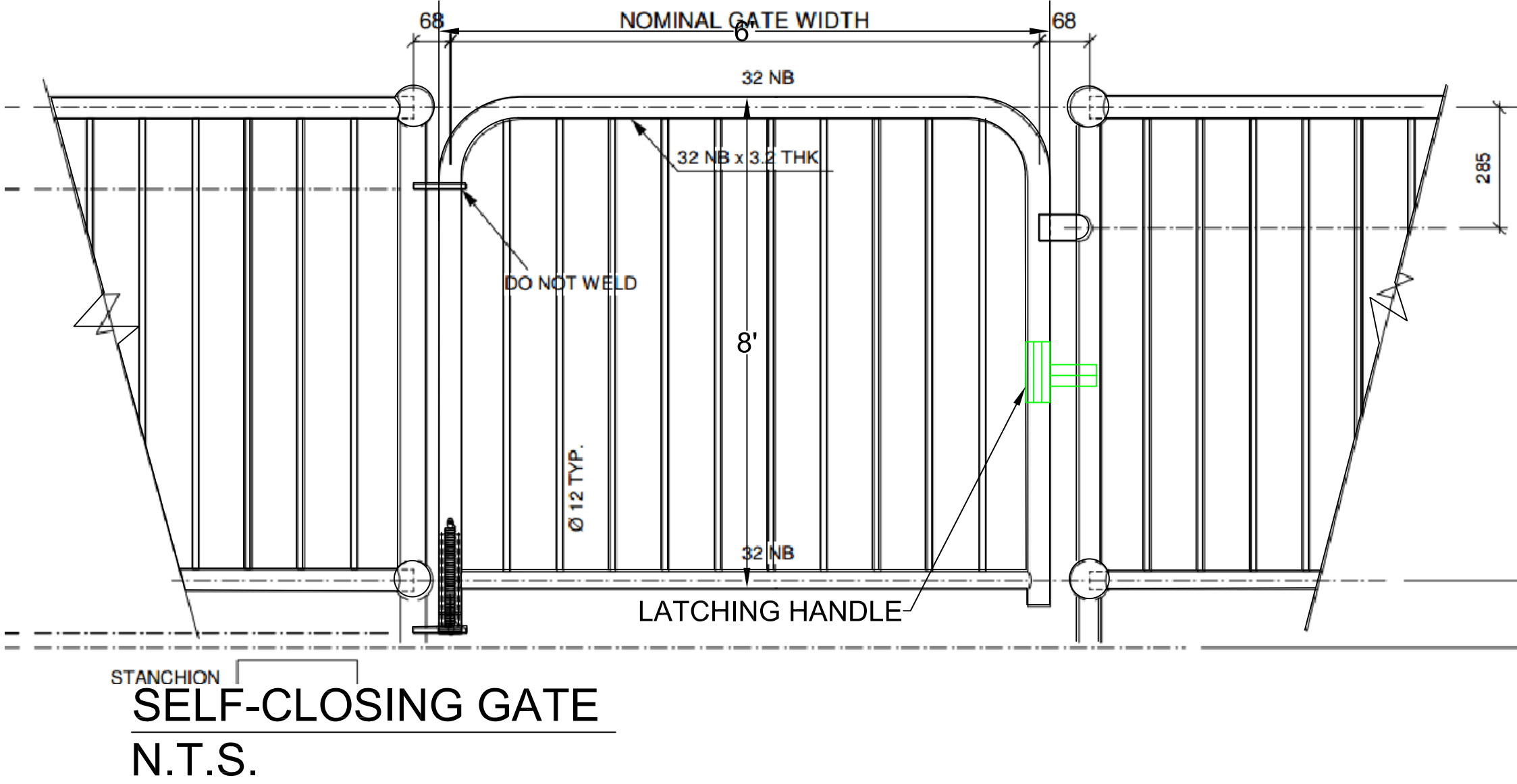
USE THESE NOTES FOR WATER SERVICE SIZED 1", 1-1/2, 2" ONLY. SERVICE CONNECTIONS ARE TO BE TAPPED OFF AND EXISTING WATER MAIN.

1. Water service lines (laterals) shall be constructed in accordance with the regulations and specifications of the Village of Delhi.
2. Water service lines shall have minimum of five feet of cover from finished grade in lawn areas and six feet of cover from finished grade in paved areas.
3. Water service lines shall be separated at least ten feet, measured from the outside of pipes, from sewer mains or septic systems.
4. Water service line shall be identified as:

DESCRIPTION	SIZE ^(a)	MATERIAL ^(b)	TYPE ^(c)
VILLAGE Portion = from the water main to and including the control valve on the ROW/property/easement line	2"	Type "K" Copper	D
Private portion= from the control valve to the meter	2"	PE, #3408, SDR 9, ASTM 2737, NSF-PW, 200 PSI	D

- (a) Minimum size is 1- inch.
- (b) Acceptable material for private portion is either Type "K" Copper or polyethylene plastic, PE, #3408, SDR 9, ASTM 2737, NSF-PW, 200 PSI
- (C) Service Type include: Domestic = DS, Fire = FS. or combined = CMB

5. Water meter(s) to be located on the interior of exterior wall(s) immediately upon service entrance into the building(s). When service length exceeds 500 ft or installed adjacent to /through wetlands, marshy areas, or ponds a meter tile (for 5/8" or 1" meters) or meter pit (for > than 1" meter) is required.
6. The private portion of the service line must be installed prior to the installations of the village portion of the service line.
7. All private water service to be installed in compacted select dry earth or sand.



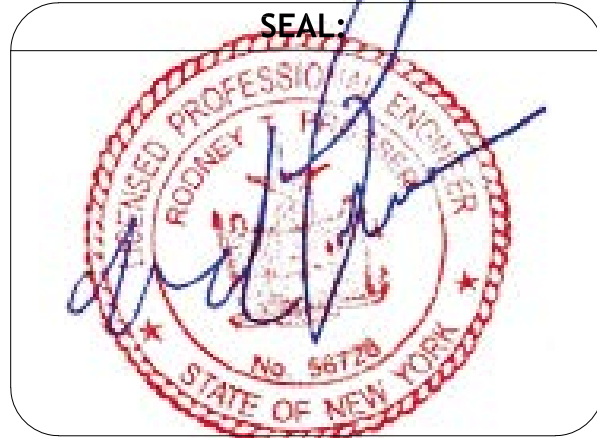
SELF-CLOSING GATE
N.T.S.

NOTE:
THE LATCH HANDLE LOCATED WITHIN THE ENCLOSURE AND AT LEAST 40 INCHES ABOVE GRADE

L

LAKESIDE
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11 CENTRE PARK, SUITE 305
ROCHESTER, NY 14614
PHONE 585.279.9300
lsengrpc.com
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ELECTRICAL & MECHANICAL ENGINEERS

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



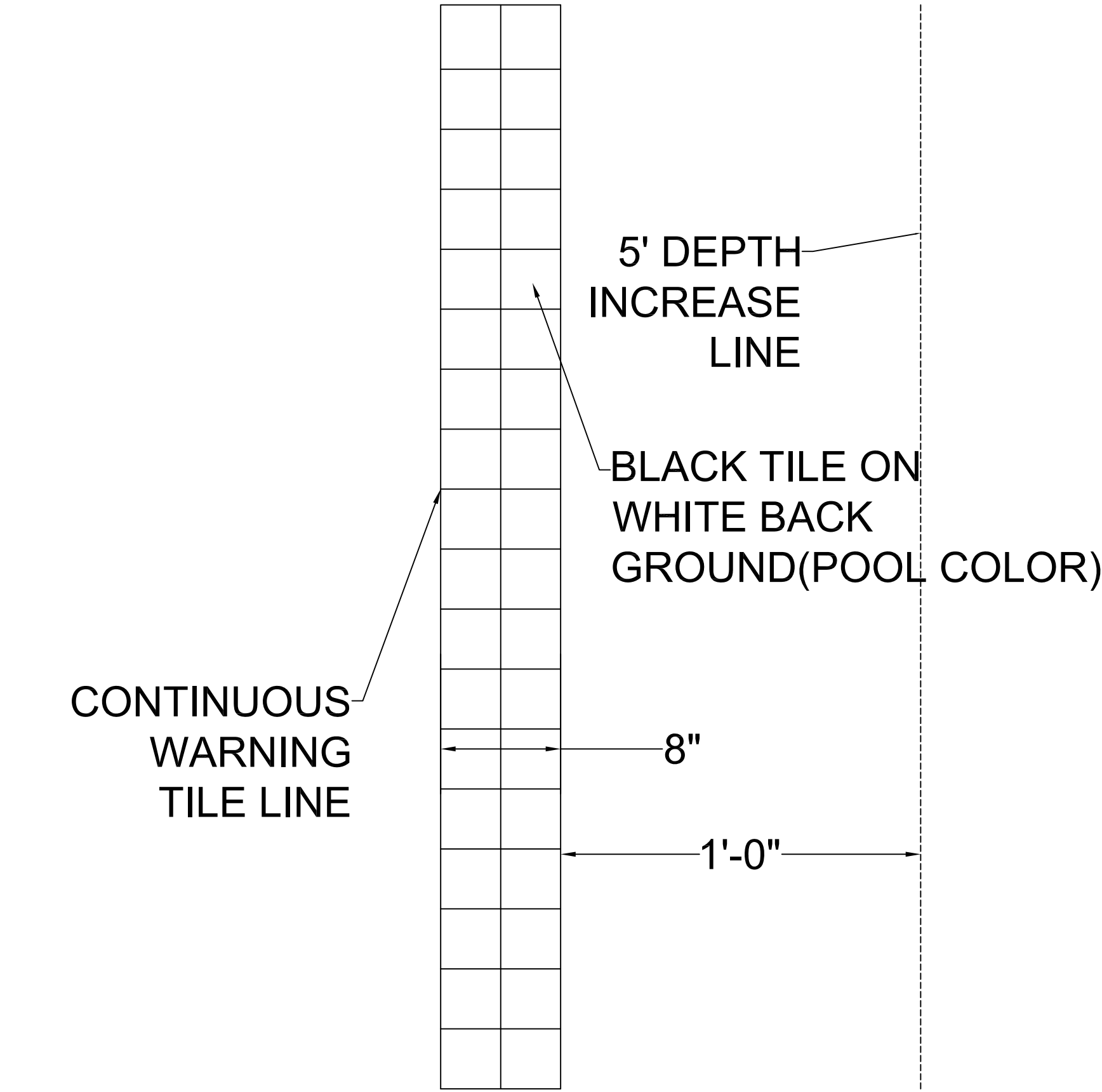
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NO.	DATE	DESCRIPTION
1.	6/16/2017	ADD SELF-CLOSING GATE DETAIL & NOTE

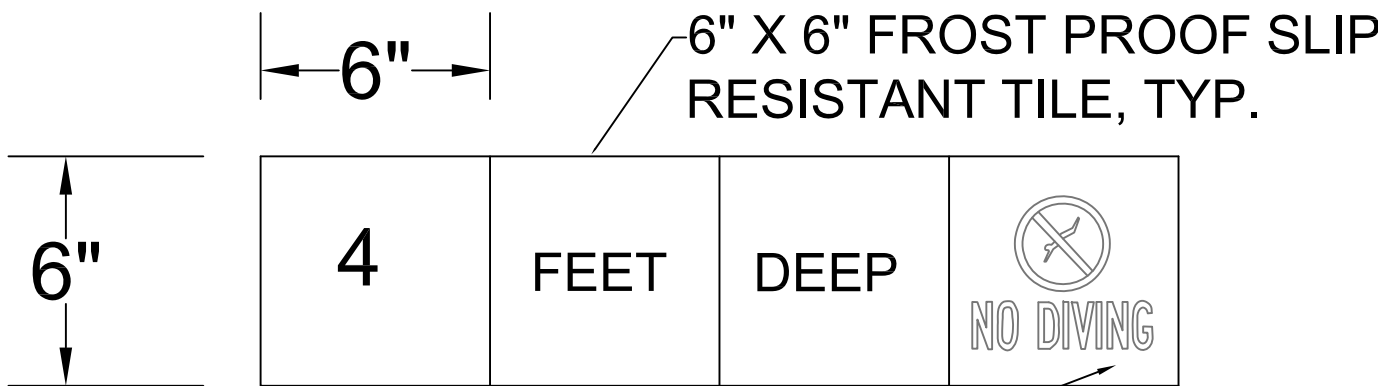
PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
PROJECT GRADING, EROSION CONTROL NOTES, WATER SERVICE NOTES & INSULATION DETAILS POOL, TRENCH DRAIN DETAIL, SELF CLOSING GATE & DETAIL

DATE: 06/16/17	DRAWING NO:
SCALE: N.T.S.	SECTION NO./ SHEET NO.
DRAWN BY: J.X.	DET-2/6
REVIEWED BY: R.P.	
JOB ID: DT016-001	

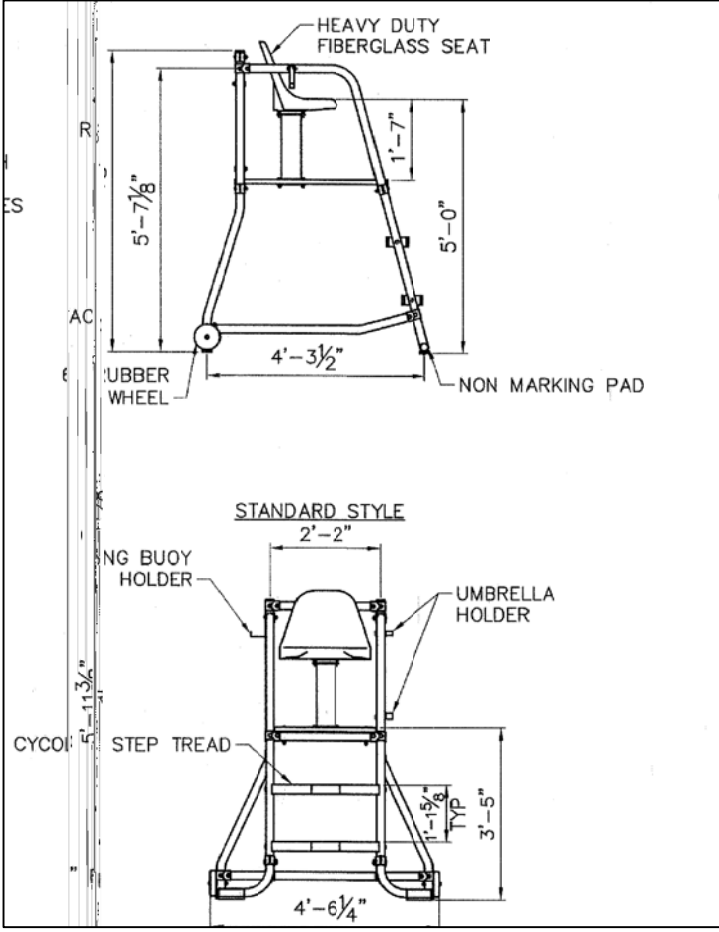


WARNING LINE TILE DETAIL
N.T.S.



INTERNATIONAL
NO - DIVING SYMBOL

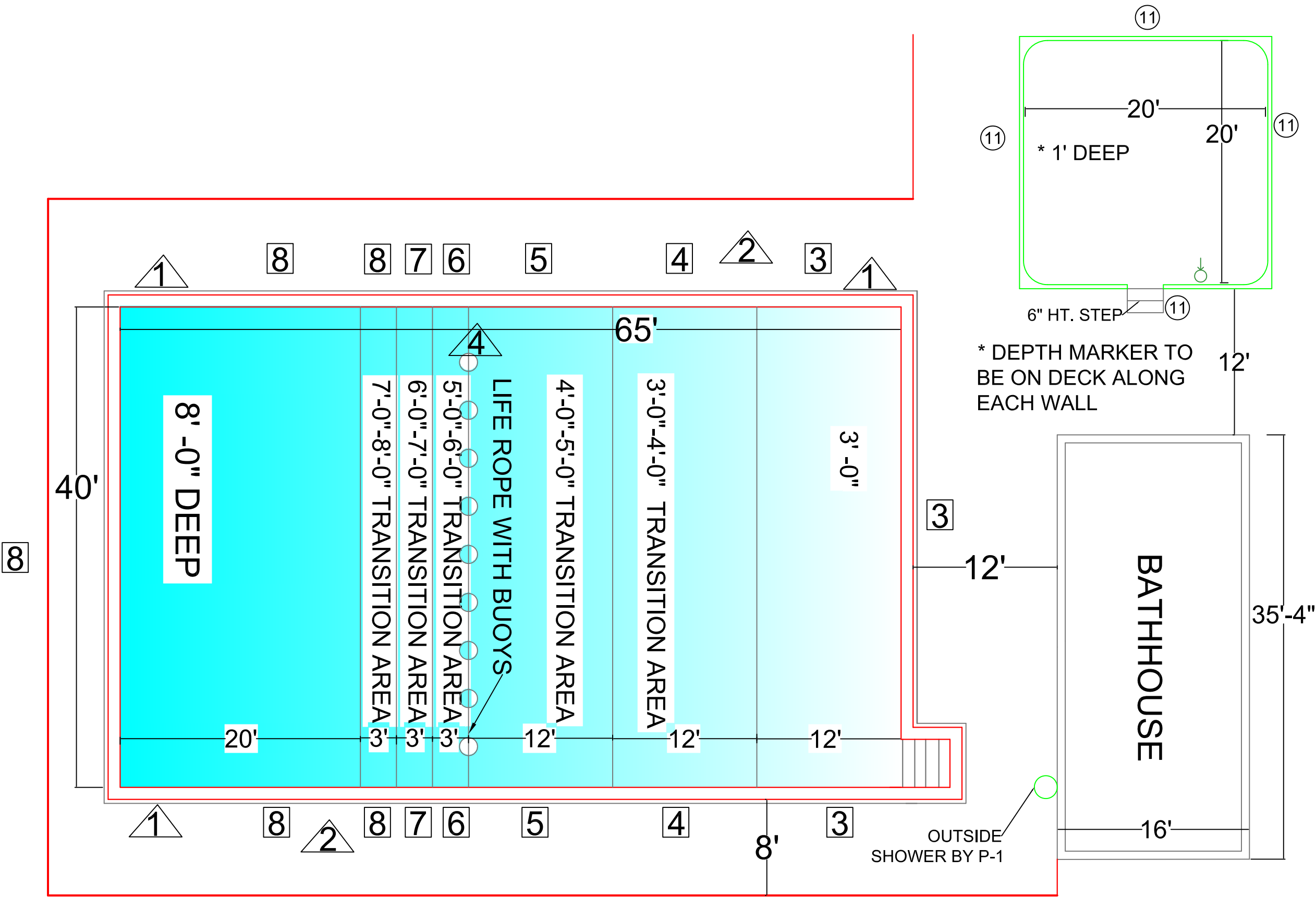
DEPTH MARKER DETAIL, RECREONICS 12622 OR EQUAL
N.T.S.



PORTABLE LIFEGUARD CHAIR DETAIL
N.T.S.

SAFETY EQUIPMENT		
ITEM#	QTY.	DESCRIPTION
①	1	24 UNIT FIRST AID KIT
②	2	RESCUE TUBE
③	2	REACHING POLE
④	1	SPINE BOARD
⑤	1	24" LIFE RING
⑥	1	HEAVING LINE
⑦	1	FIRST AID BLANKET
⑧	1	HEAD IMMOBILIZE
⑨	1	SAFETY GOGGLES
⑩	1	SAFETY GLOVES
⑪	1 LOT	POOL HANDRAIL *

* PROVIDE ALONG INTERIOR OF ENTIRE POOL WALL,
LAVI INDUSTRIES 1½" ST. STEEK HANDRAIL OR EQUAL



SWIMMING POOL PLAN VIEW (MARKINGS AND EQUIPMENT)
1/16" = 1'0"

NOTE: BOTH POOLS WILL BE NEED TO
BE CLOSED IN THE EVENT OF FECAL
INCIDENT SINCE THE WADING POOL
AND MAIN POOL ARE PROPOSED USE
THE SAME TREATMENT SYSTEM AND
SURGE TANK

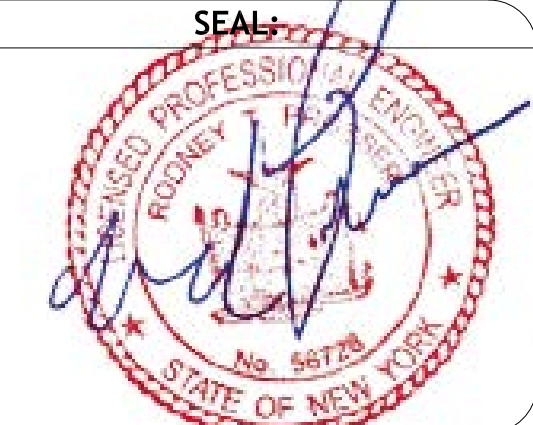
MAINTENANCE EQUIPMENT		
QTY.	CAT. NO.	LABEL
1	REC. SUPPLY BB-2 105-0	TAYLOR TEST KIT
1	REC. SUPPLY CC-250-04	VACUUM HEAD
1	REC. SUPPLY CC-11715-15	VACUUM HOSE
1	REC. SUPPLY CC-1551550	VAC. PUMP AND FILTER
1	REC. SUPPLY CC-927C-2	WALL BRUSH
1	REC. SUPPLY CC-801F-50	SKIMMER NET
1	REC. SUPPLY CC-5F-99	8" POLE
1	REC. SUPPLY CC-8MF-99	8" POLE
2	REC. SUPPLY CC-P2516-50	TELESCOPIC POLE

DECK EQUIPMENT		
ITEMS	QTY.	LABEL
①	3	LADDERS
②	2	LIFEGUARD CHAIR
③	12	DEPTH MARKERS
④	1	SAFETY ROPE

DEPTH TABLE & DECK/WALL MARKERS		
ITEM #	QUANTITY	MARKER
③	2	3 FEET DEEP/NO DIVING
④	2	4 FEET DEEP/NO DIVING
⑤	2	5 FEET DEEP NO DIVING
⑥	2	6 FEET DEEP
⑦	2	7 FEET DEEP
⑧	2	8 FEET DEEP

* IDENTICAL MARKERS REQUIRED AT EACH
LOCATION FOR BOTH DECK & WALL

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	7/31/17	REVISE TO FEET DEEP

PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

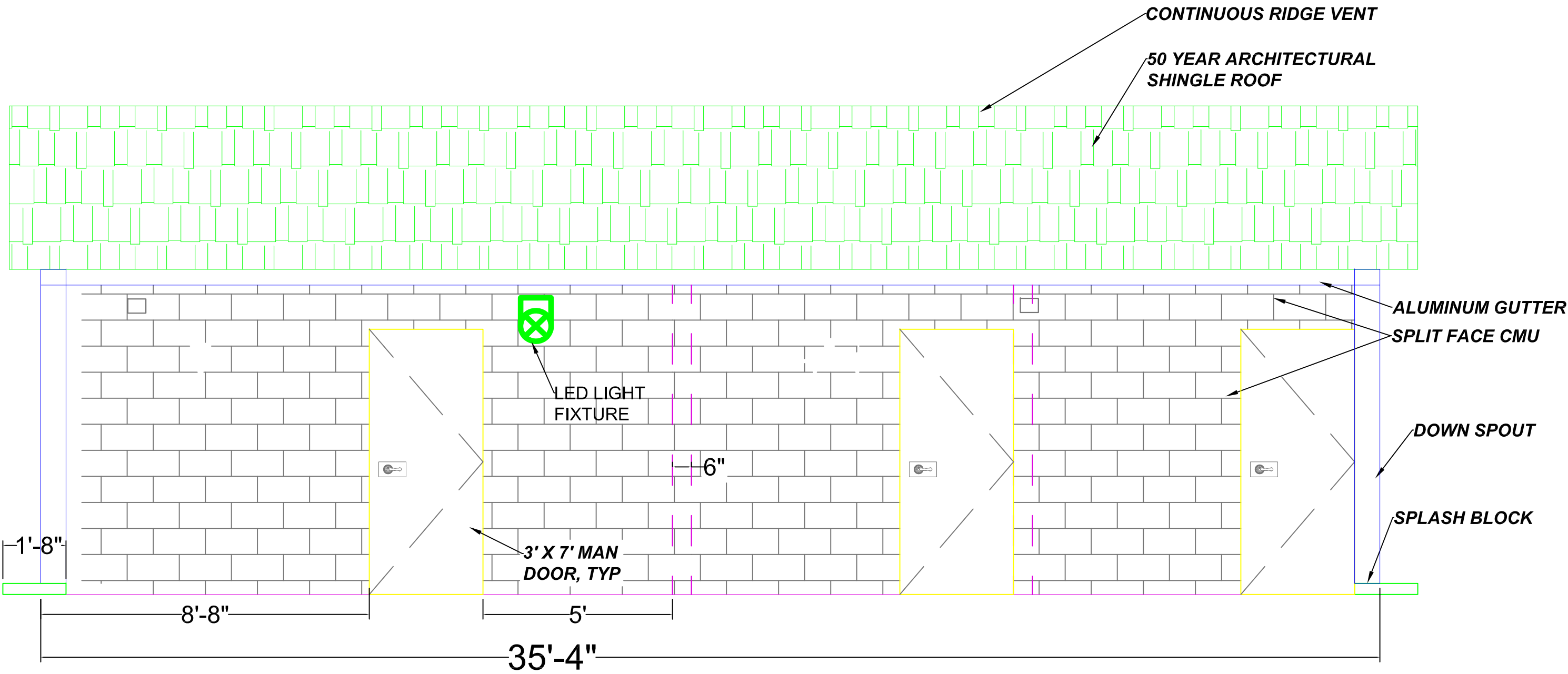
POOL EQUIPMENT PLAN
WORK & SUPPLY SCHEDULES

DATE: 08/04/17
SCALE: AS SHOWN
DRAWN BY: S.D./J.X.
REVIEWED BY: R.P./J.X.
JOB NO: DT016-001

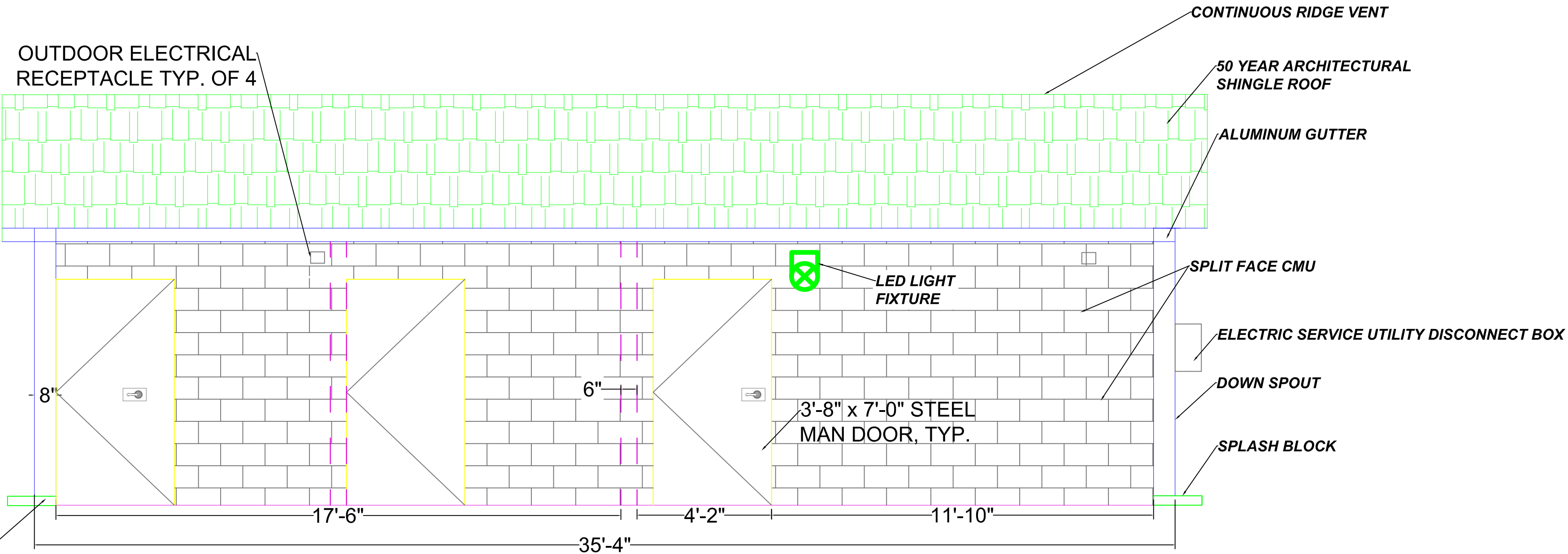
DRAWING NO:

SECTION NO./
SHEET NO.

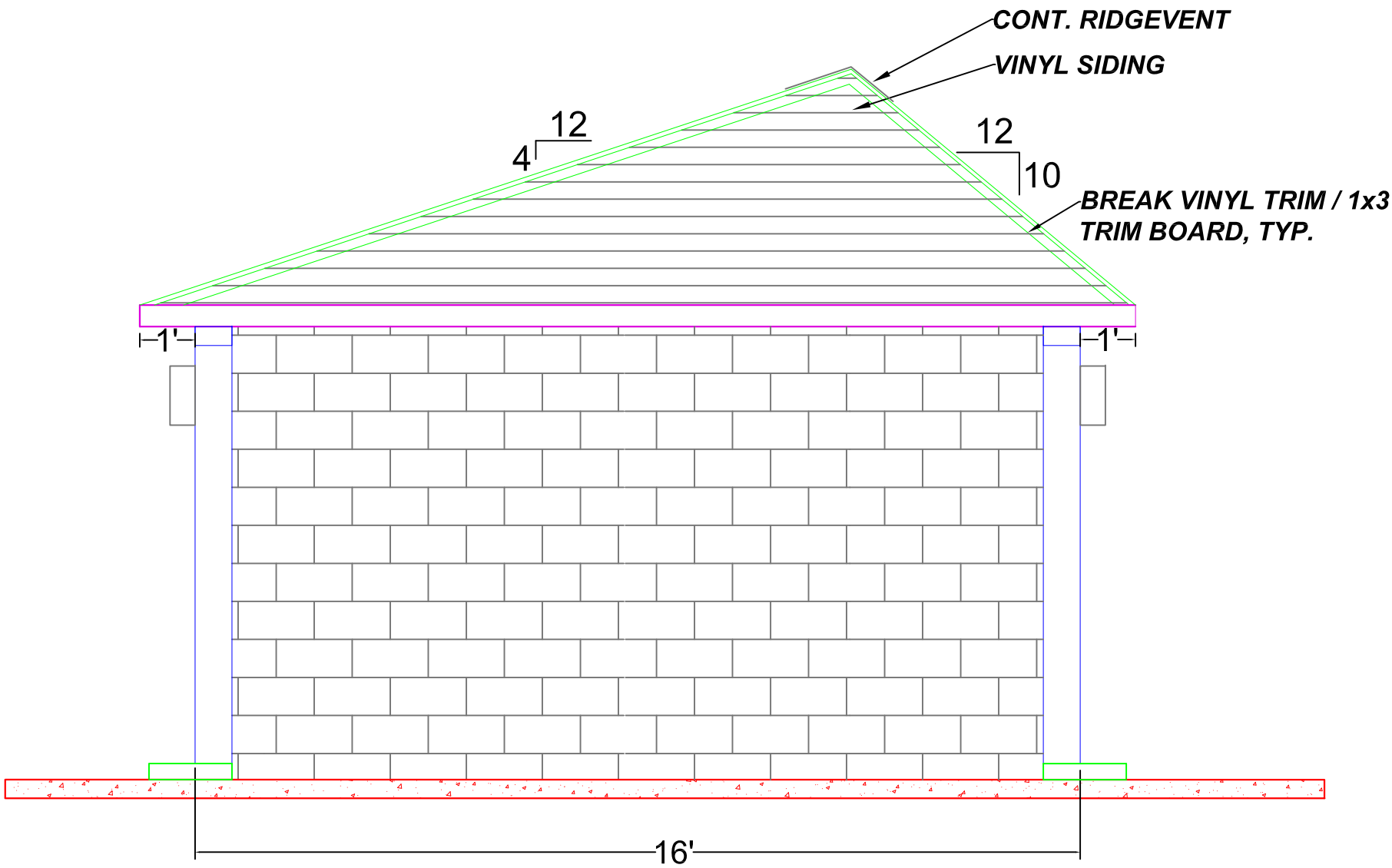
SW-1/7



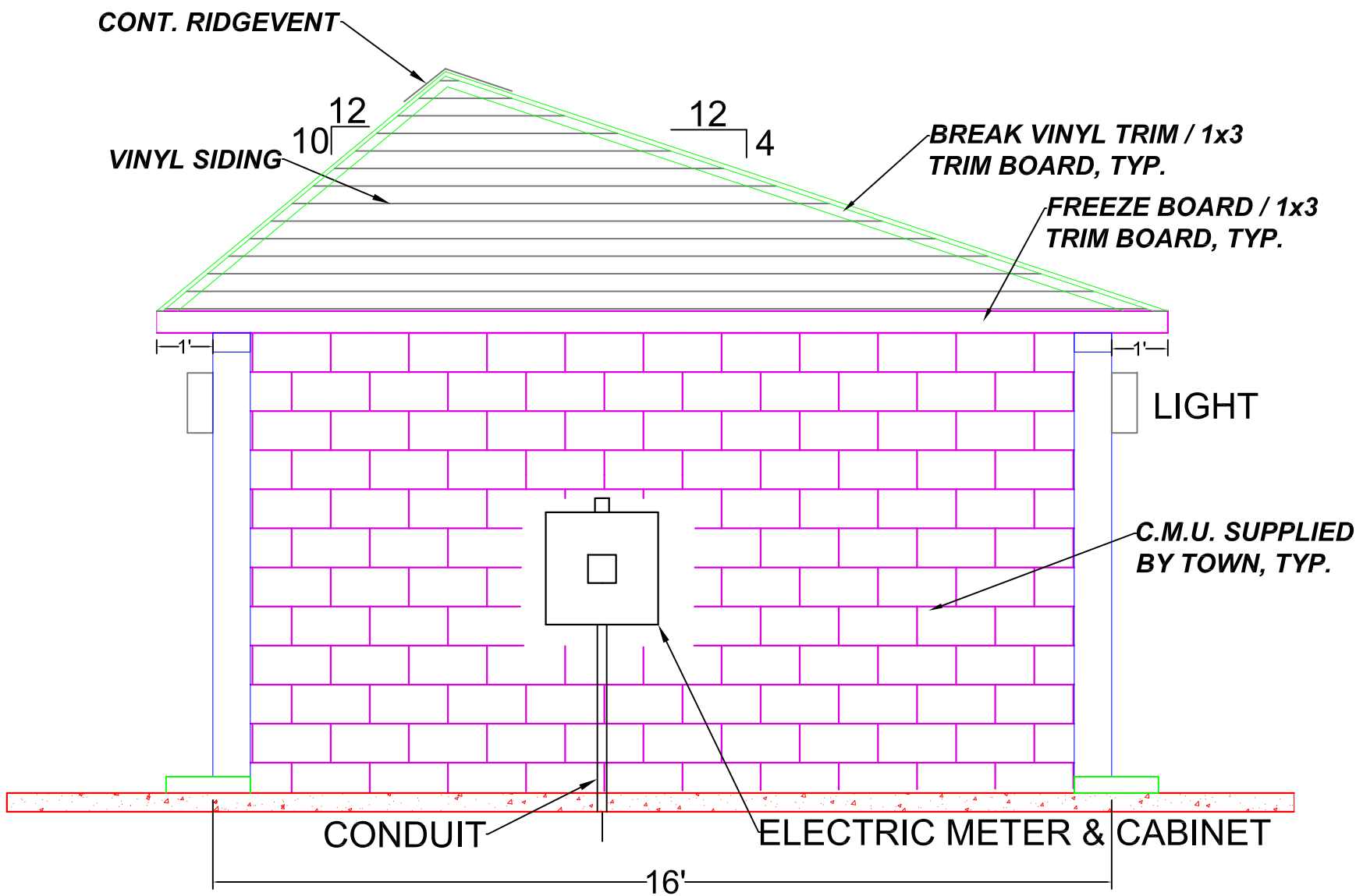
SOUTH ELEVATION @BATHHOUSE
SCALE: 3/8" = 1'-0"



NORTH ELEVATION @ BATHHOUSE
SCALE: 3/8" = 1'-0"



EAST ELEVATION @ BATHHOUSE
SCALE: 3/8" = 1'-0"



WEST ELEVATION @ BATHHOUSE
SCALE: 3/8" = 1'-0"

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



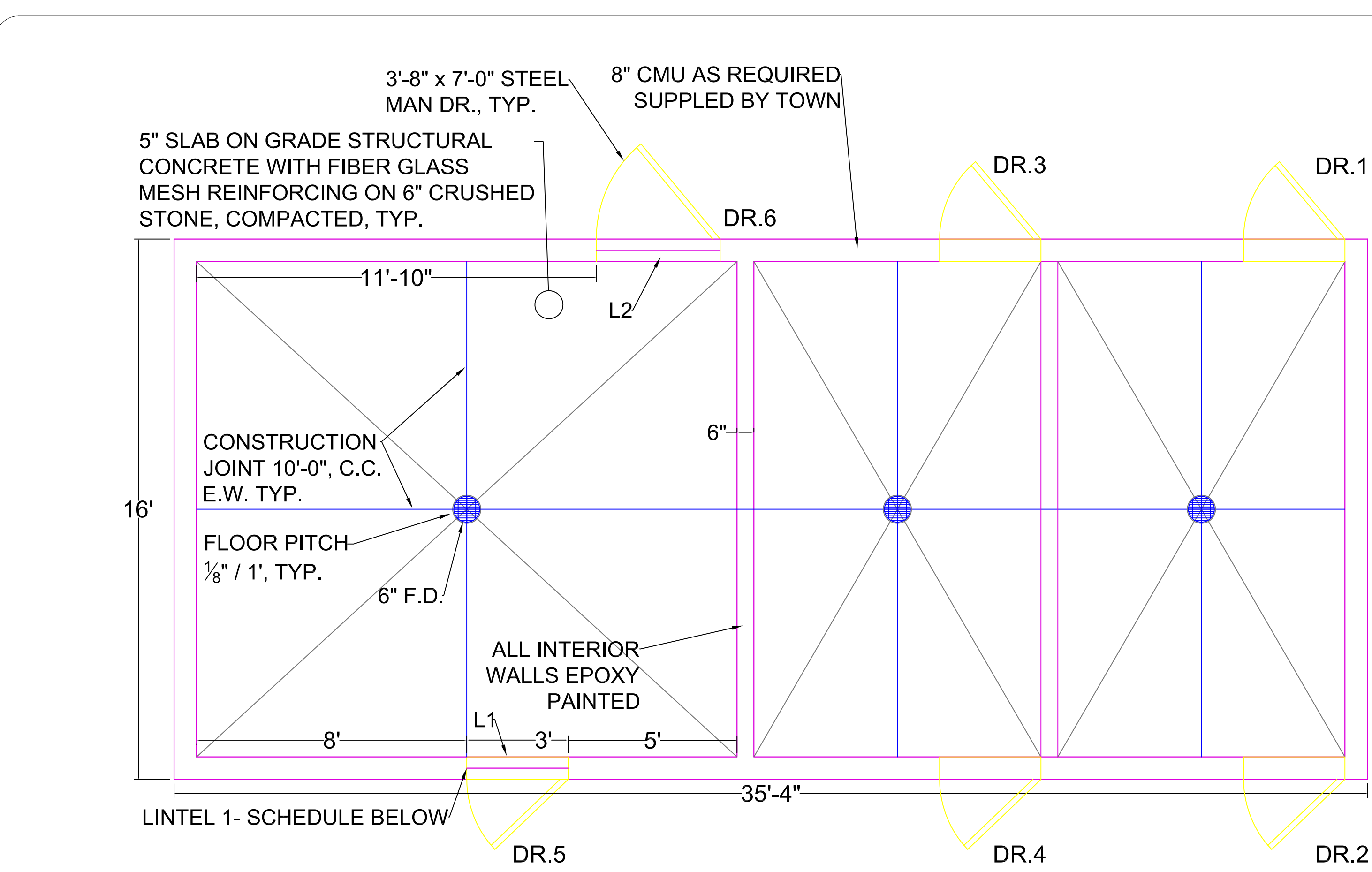
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NO.	DATE	DESCRIPTION
1.		

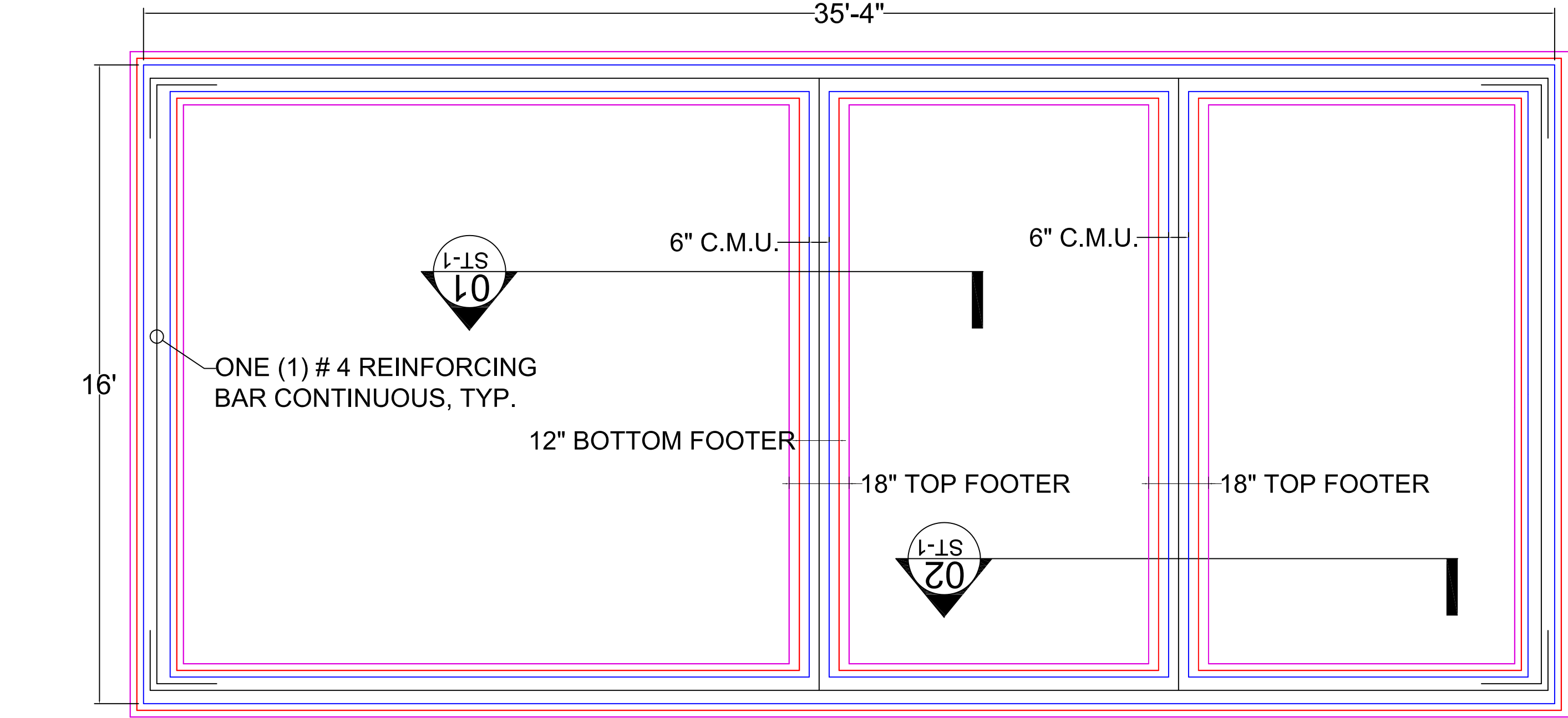
PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATHHOUSE PROJECT

DRAWING TITLE:
BATHHOUSE ELEVATIONS

DATE: 03/22/17
SCALE: 3/8" = 1'
DRAWN BY: J.L.M./J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001
DRAWING NO:
SECTION NO. /SHEET NO.
A-1 /8



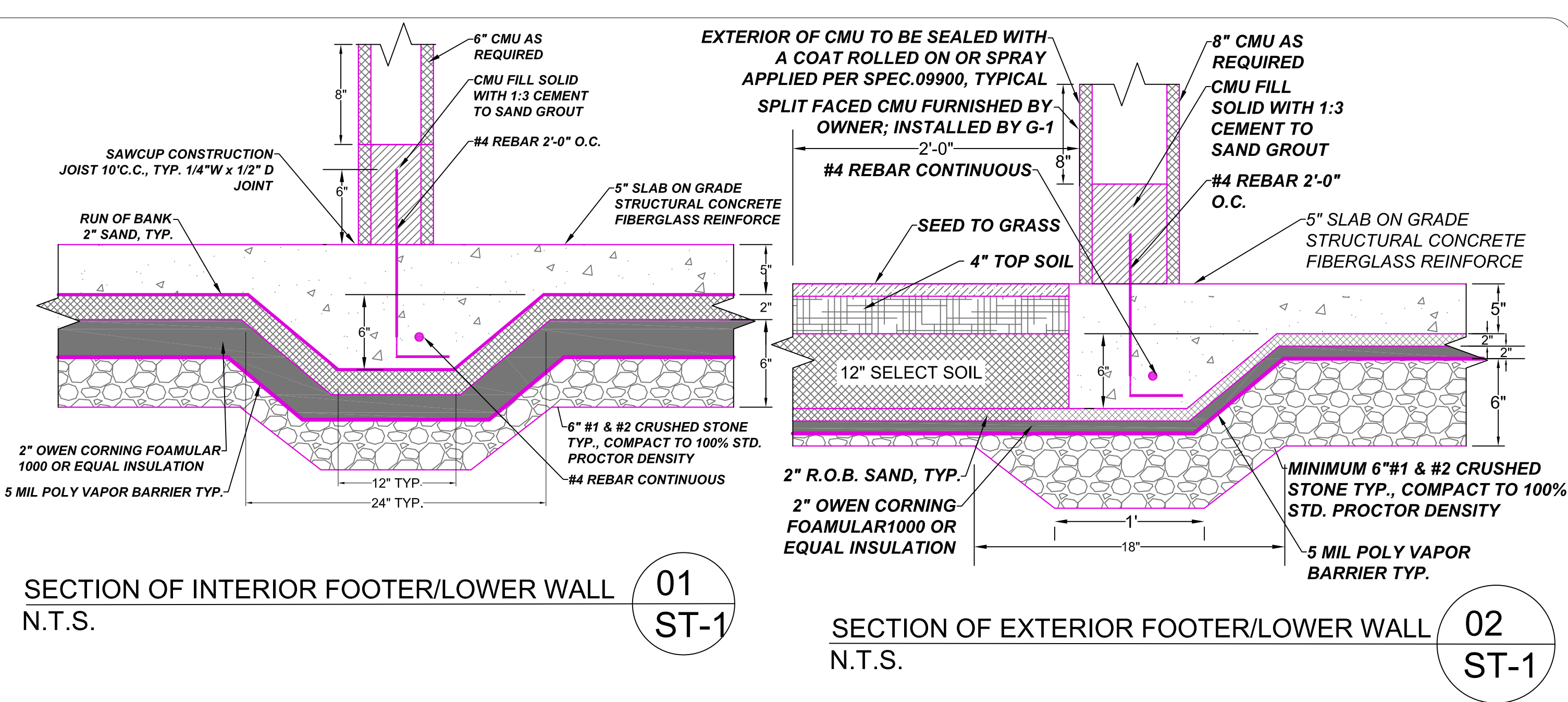
CONCRETE FLOOR SLAB, WALL & DOORS PLAN
SCALE: 3/8" - 1'-0"



FOUNDATION PLAN
SCALE: 3/8" - 1'-0"

LINTEL SCHEDULE*			
SYMBOL	NO. EACH	DESCRIPTION	FT.
L1	5	(2) 6" X 3 1/2" X 1/4" L	5'-0"
L2	1	(2) 6" X 3 1/2" X 5/16" L	6'-0"

* ALL LINTELS HOT DIPPED GALVANIZED



GENERAL NOTES

- GENERAL**
ALL WORK SHALL CONFORM TO THE NEW YORK STATE BUILDING CODE. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE AUTHORITY HAVING JURISDICTION, FOR PERIODIC INSPECTION AND ANY LIMITATIONS THAT MAY AFFECT THE PROJECT AREA AND/OR SCHEDULE. THE CONTRACTOR SHALL CONFORM TO ALL SAFETY PROVISIONS, LOCAL, STATE AND FEDERAL. AFTER COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE THE SITE IN A CLEAN AND ORDERLY CONDITION.
- FOUNDATIONS**
FOOTINGS SHALL BE PLACED ON UNDISTURBED GRADE OR ENGINEERED FILL. DO NOT OVER EXCAVATE UNDER FOUNDATIONS. BACKFILL AROUND FOUNDATIONS UNDER SLAB ON GRADE WITH ENGINEERED FILL. ENGINEERED FILL SHALL BE COMPACTED IN 6" LAYERS HAVING A STANDARD PROCTOR DENSITY OF 100 (MAXIMUM COMPACTION).
- CONCRETE WORK**
CONCRETE WORK SHALL CONFORM TO ACI 318. FORMS SHALL BE TRUE AND STRAIGHT. USE ONLY SNAP TIES. PATCH RECESSED TIE ENDS WITH A HIGH STRENGTH NON SHRINK GROUT.
 - REINFORCING**
BARS - ASTM A 615, GR 60, DEFORMED
MESH - ASTM A 185 OR FIBERGLASS
 - CONCRETE MATERIAL**
CEMENT - ASTM C 150, TYPE II
FLYASH - ASTM C 618
NORMAL WEIGHT AGGREGATE - C33
MAX AGGREGATE SIDE - 1"
WATER - CLEAN, POTABLE
AIR ENTRAINMENT - ASTM C 260
WATER REDUCING ADMIX - ASTM C 492, TYPE D
 - CONCRETE MIX SHOULD BE AS FOLLOWS:**
SLAB ON GRADE, SIDEWALK & FOUNDATION
4000 PSI @ 28 DAYS W/C RATIO.40,
AIR ENTRAINMENT 6%.
READY MIX CONCRETE SHALL CONFORM TO C 94
 - WATER REDUCER: SEE SPEC. SECTION 03300**
PLACE SLAB IN A CONTINUOUS OPERATION.
FINISH FLOOR - COMPLY WITH ACI 302.1R
FINISH SURFACE - LIGHT BROOM FINISH F25.
-SLOPE SLAB TO DRAINS AT 1/4" / FT.
-CURE SLAB WITH WATER SPRAY OR CLEAR COMPOUND
-SAW-CUT RELIEF JOINTS AS SOON AS CONCRETE HAS SET.

- MASONRY**
CMU - ASTM C 90, INTEGRATED COLORED.; COLOR TO BE SELECTED BY OWNER.
2500 - PSI PRISM STRENGTH - ASTM C 1314
M OR S TYPE MORTAR
AGGREGATE FOR GROUT - ASTM C 404
WATER REPELLENT ADMIXTURE - RAIN BLOCK BY BLOCK
WATER PROOF SEALANT ADDED TO EXTERIOR OF CMU EXTERIOR FACE

LADDER TYPE OR TRUSS TYPE JOINT REINFORCING EVERY 3RD COURSE
REINFORCING FOR BOND BEAM - ASTM A 615
-COORDINATE WITH ELECTRIC CONTRACTOR FOR WIRING
FLASHING - FLEX FLASH BY HOHMANN & BARNARD OR EQUAL
OVER OPENING. PAINT INTERIOR WALLS AS SPECIFIED.

- TIMBER**
-ALL TIMBER IN CONTACT WITH CONCRETE, CMU OR EARTH SHALL BE PRESSURE TREATED.
-ANCHOR PLATES TO CMU WITH 1/2" HOOKED BOLTS @ 4' C/C
-ROOF TRUSSES SHALL BE PRE-ENGINEERED, 60 LB./SF L.L. & 20 LB./SF. DL
-A REGISTERED ENGINEER IN THE STATE OF NEW YORK SHALL CERTIFY DESIGN.
-FASTEN WOOD TRUSSES TO THE WALL PLATE WITH GALV.
-HURRICANE TIES WITH 200 LB ANCHOR CAPACITY.
-PLYWOOD SHALL BE CDX OR EQUAL.
-FASTEN WOOD CONNECTION PER CODE TABLE 2304.9.1
-STRUCTURAL FRAMING - HEM FIR OR SOUTHERN PINE
STRUCTURAL SELECT.
TRIM - ARCHITECTURAL GRADE

- ROOFING**
50 - YEAR ARCH SHINGLES, OWNER TO SELECT COLOR
ICE AND WATERSHED UNDERPAYMENT PER CODE.

- DOORS**
-ENTRANCE DOORS (SINGLE DOOR) INSULATED 3'-0" X 7'-0" X 2" THICK. GALVANIZED STEEL DOOR OR EQUAL EXCEPT GATES
ENTRY ROOM-DOORS TO HAVE ADA APPROVED HANDLES.
PAINT AS SPECIFIED - SEE DOOR & HARDWARE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

- FOAMULAR 1000 OR EQUAL FOAM BOARD INSULATION, 1000 PSI COMPRESSIVE STRENGTH & 10 PCF VVT

RIGID INSULATION:

SHALL ALL BE OWENS CORNING FOAMULAR O.C.F. 1000 OR EQUAL, 3 PCF DENSITY, 100 OR EQUAL PSI COMPRESSIVE STRENGTH, CLASS V XPS (EXPANDED POLYSTYRENE.)

L

LAKESIDE
ENGINEERING P.C.

11 CENTRE PARK, SUITE 305
ROCHESTER, NY 14614
PHONE 585.279.9300
lsengrpc.com

ARCHITECTURAL, CIVIL, ENVIRONMENTAL,
ELECTRICAL & MECHANICAL ENGINEERS

CLIENT:

TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753

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NO.	DATE	DESCRIPTION
1.		

PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

FLOOR SLAB, WALL/DOORS &
FOUNDATION PLAN, SECTIONS
& NOTES

DATE: 06/22/17

SCALE: 1/2" = 1'-0"

DRAWN BY: J. L. M. / J. X.

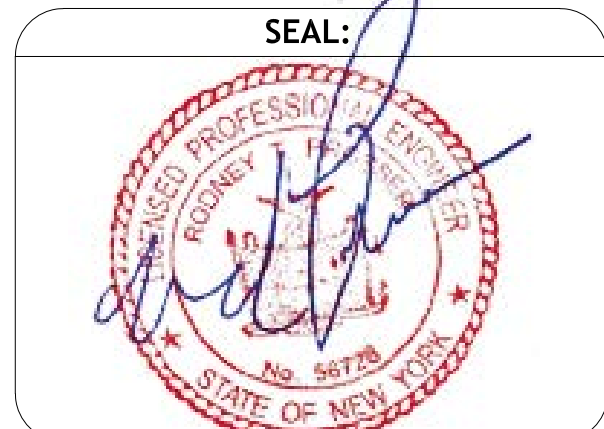
REVIEWED BY: R. P.

JOB ID: DT016-001

DRAWING NO:

SECTION
NO./SHEET NO.
ST-1 / 9

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DELHI, NEW YORK 13753



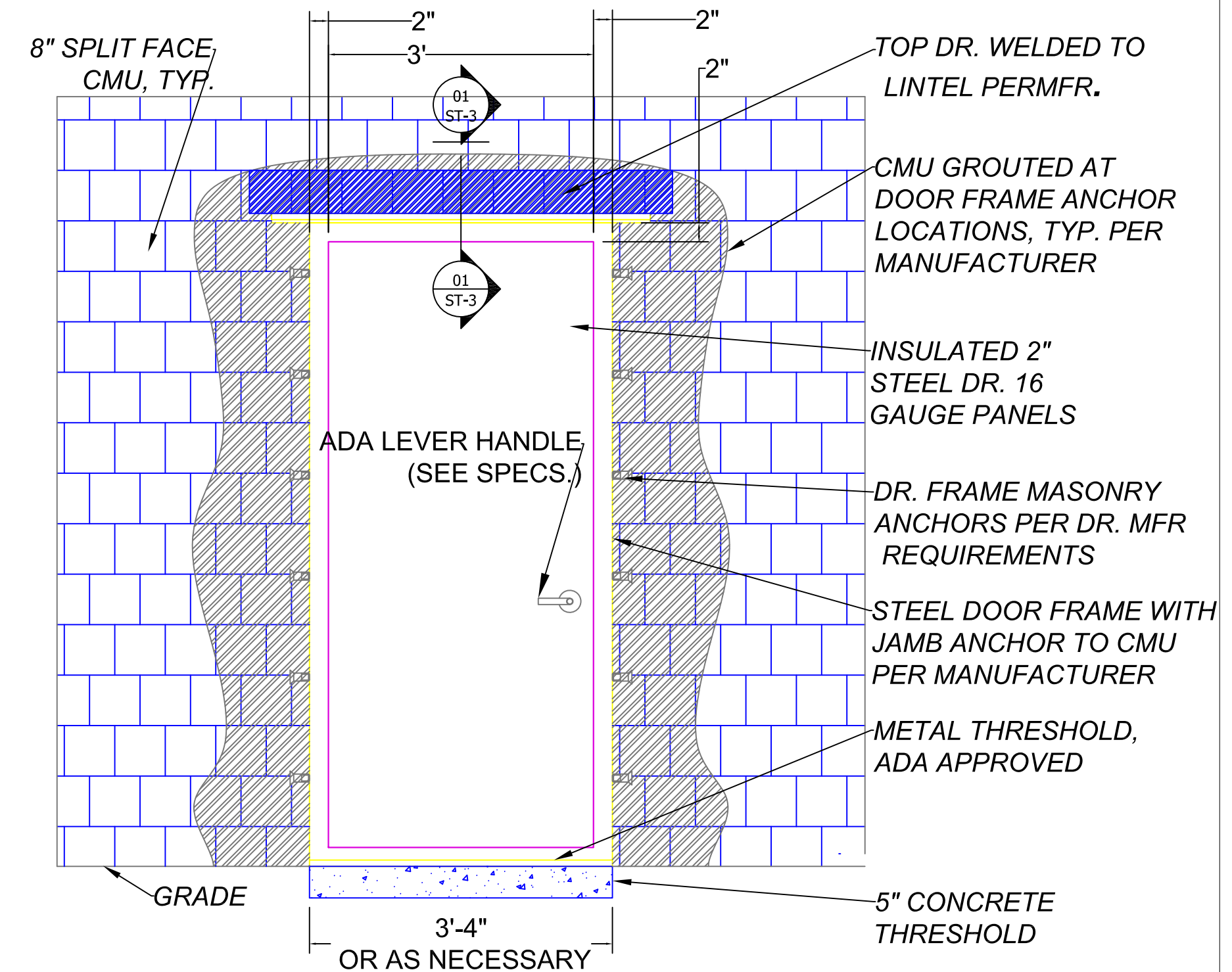
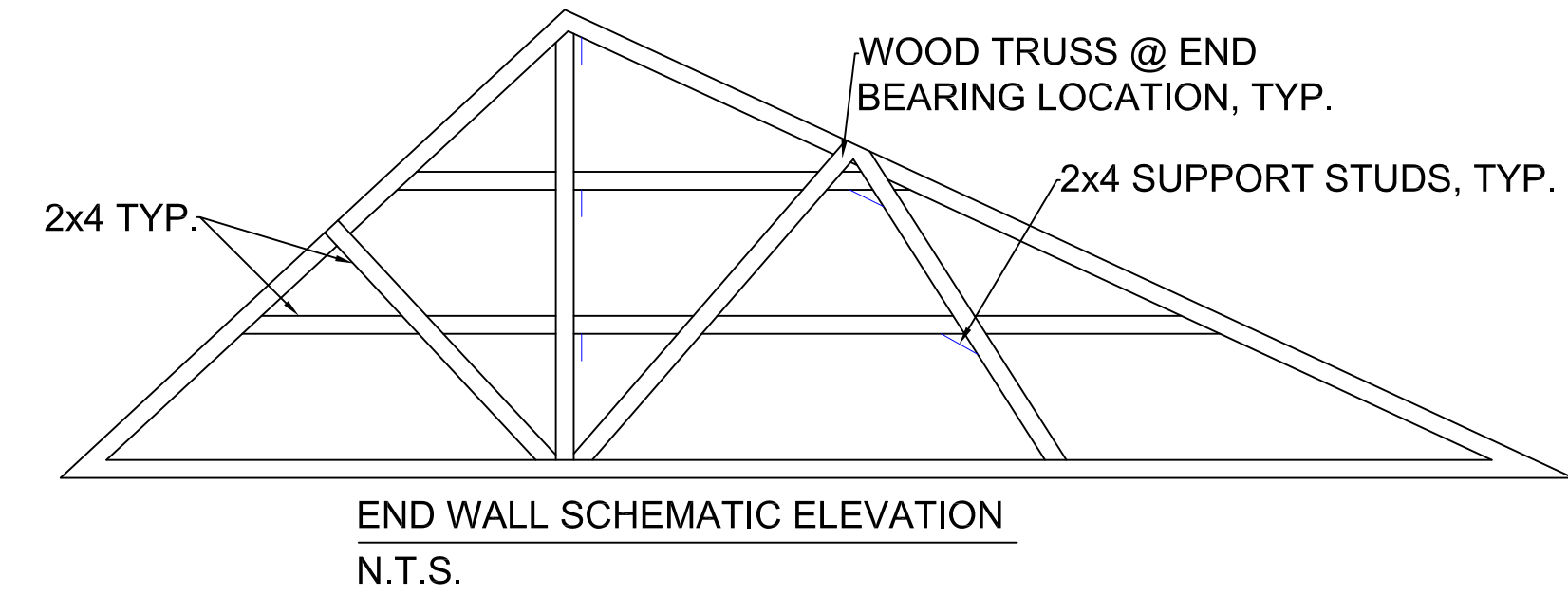
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NO.	DATE	DESCRIPTION
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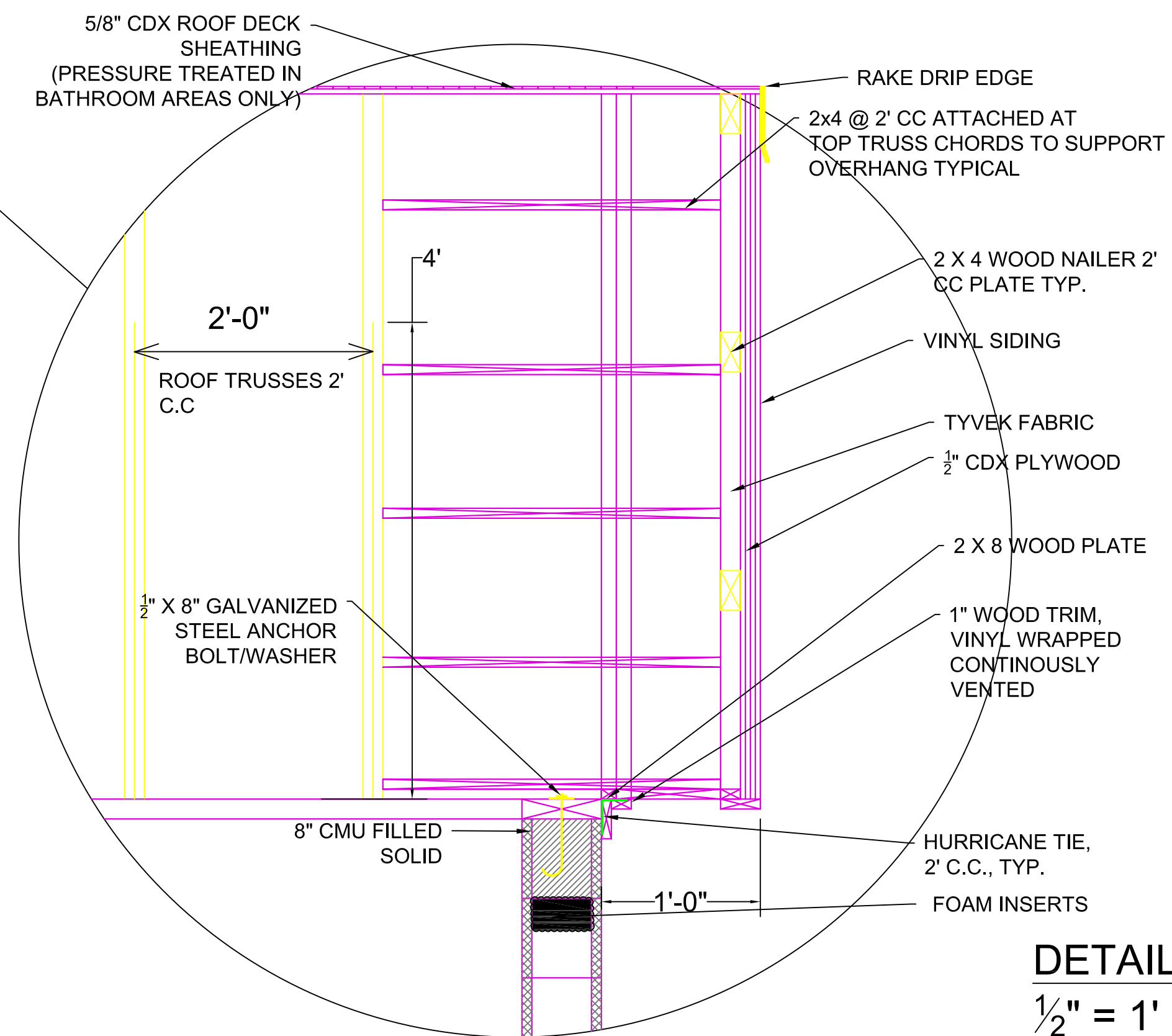
PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
SWIMMING POOL,
WALL & ROOF
STRUCTURE SECTIONS

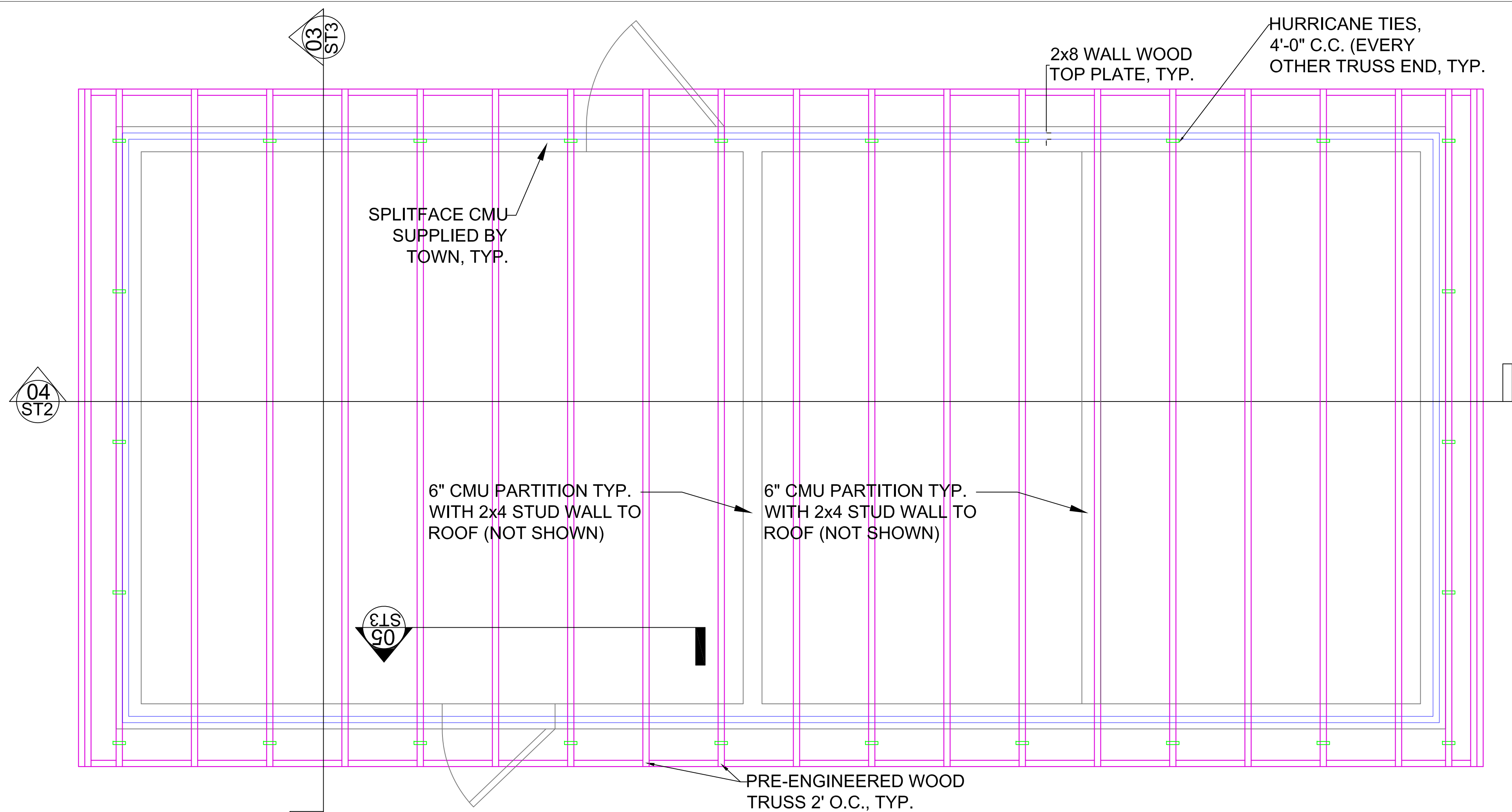
DRAWING NO:
DATE: 03/20/17
SCALE: AS SHOWN
DRAWN BY: J.L.M./J.J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001
SECTION NO./
SHEET NO.
ST-2 /10



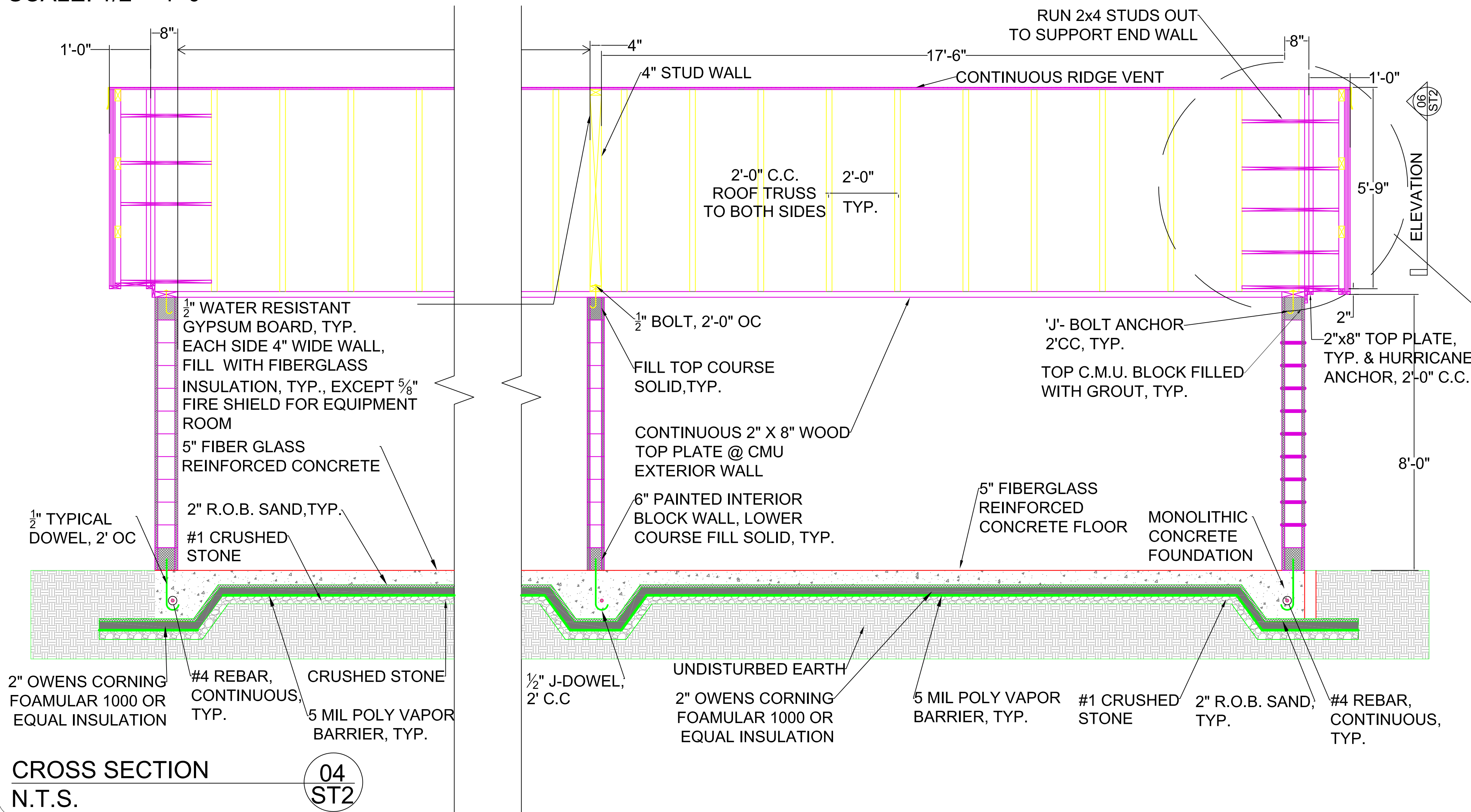
TYPICAL ELEVATION @ 3'-0" x 7'-0" STEEL DOOR ENTRY
SCALE: 1:20

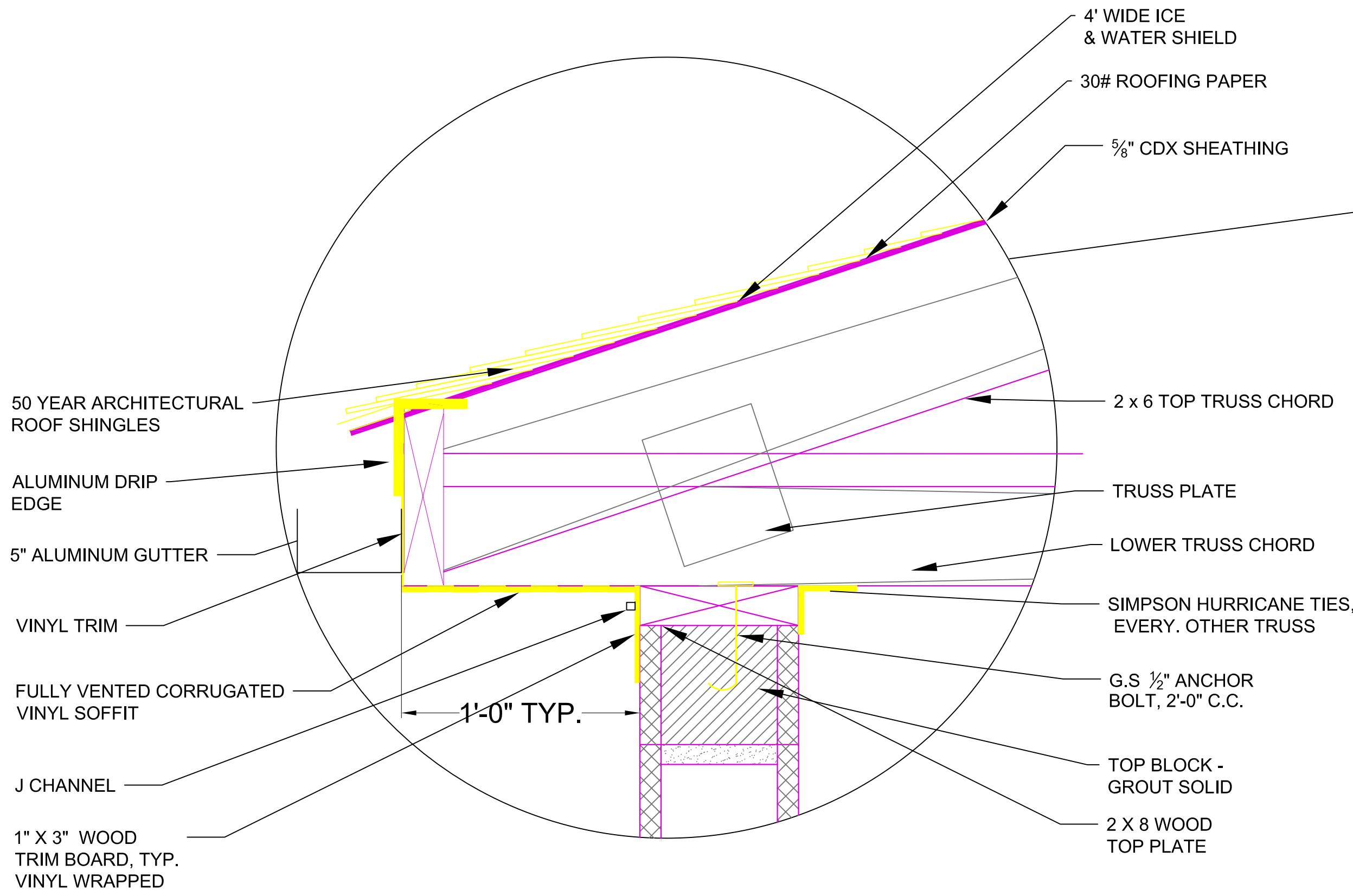


DETAIL
1/2" = 1"

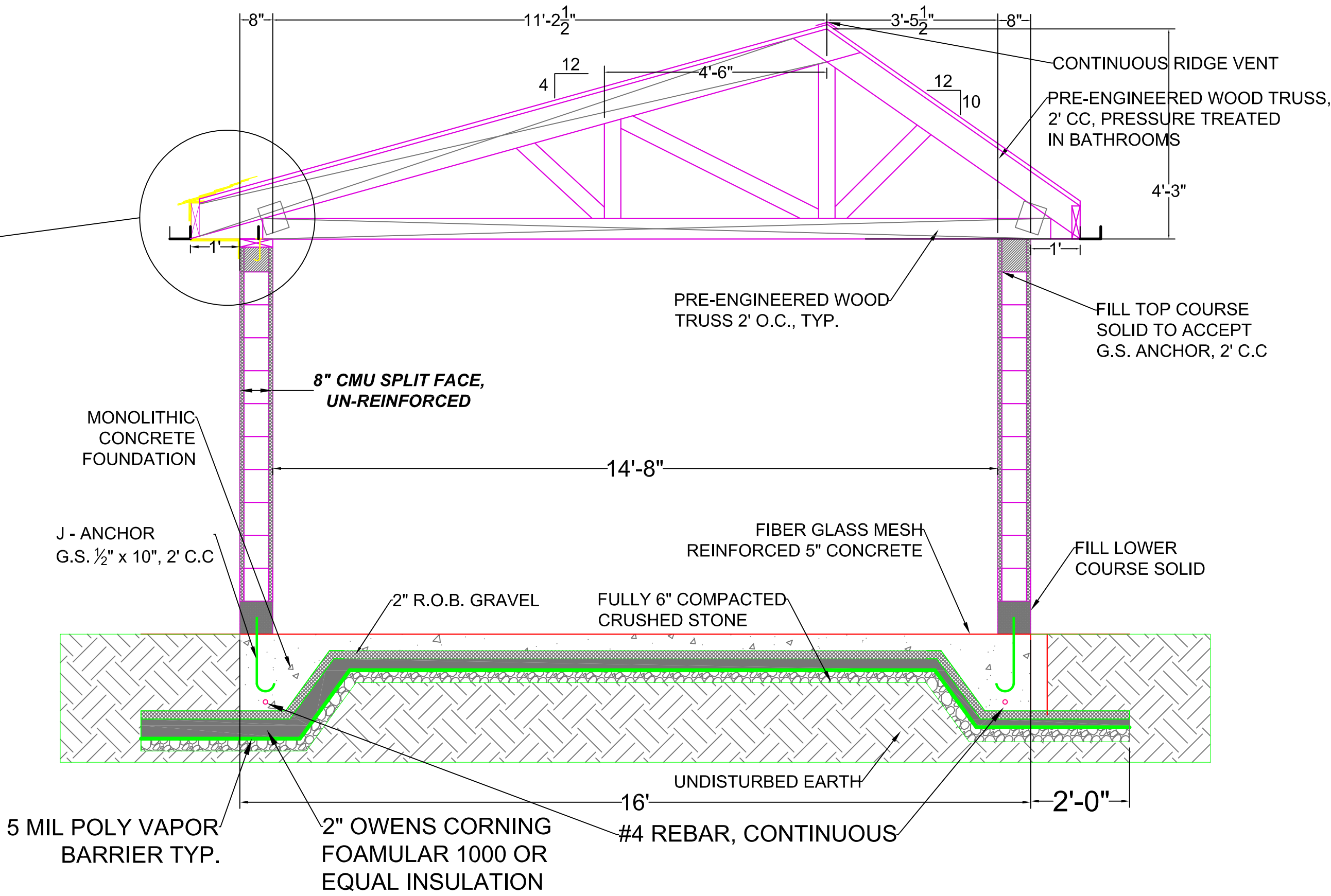


CEILING & ROOF FRAMING PLAN
SCALE: 1/2" - 1'-0"





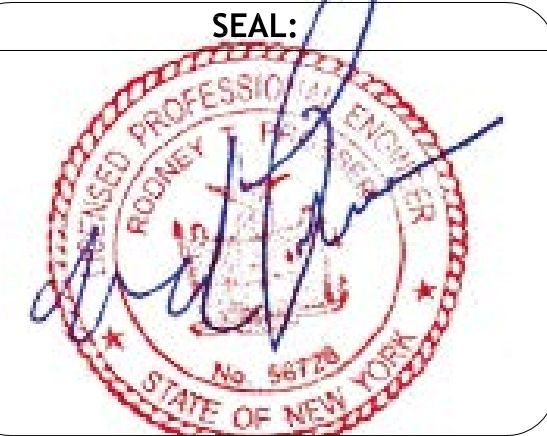
EAVE DETAIL
NTS



CROSS SECTION
NTS

03
ST2

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DELHI, NEW YORK 13753



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PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
BATHHOUSE ROOF DETAILS

DATE: 03/20/17	DRAWING NO:
SCALE: 1/2" = 1'-0"	SECTION NO. / SHEET NO.
DRAWN BY: J.L.M./J.X.	ST-3 / 11
REVIEWED BY: R.P.	
JOB ID: DT016-001	

SWIMMING POOL STRUCTURE PLAN
1/4" = 1'-0"

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PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

SWIMMING POOL
STRUCTURE SECTIONS
& GUTTER DETAIL

DATE: 03/20/17

SCALE: AS SHOWN

DRAWN BY: J.L.M./J.X.

REVIEWED BY: R.P.

JOB ID: DT016-001

DRAWING NO:

SECTION NO./
SHEET NO.

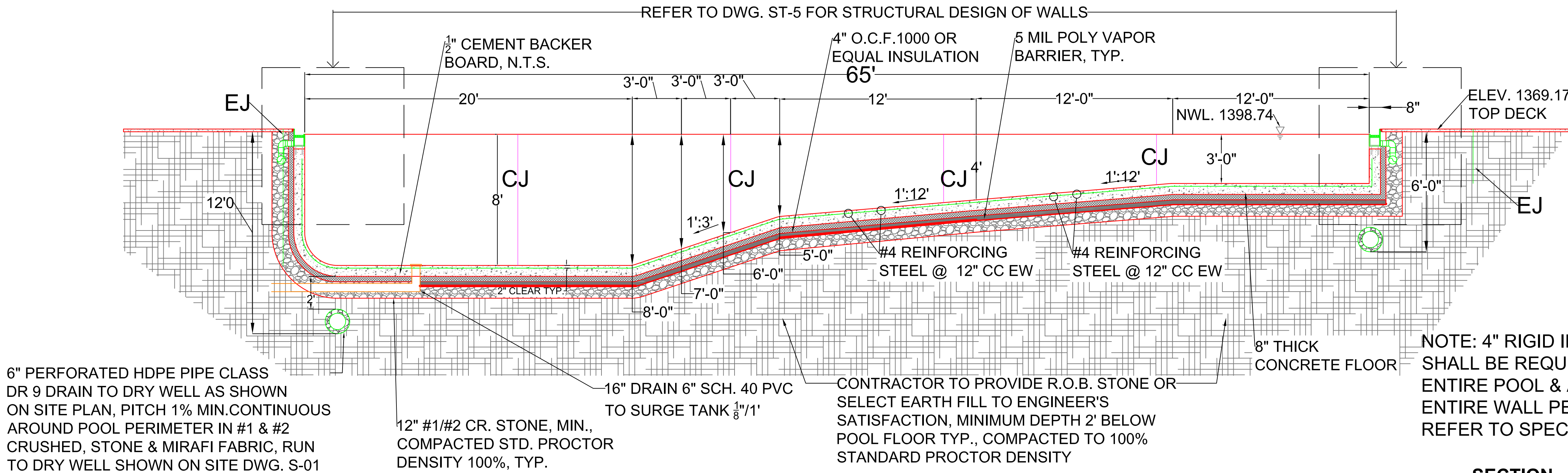
ST-5 /13

NOTES:

- 1) ALL REBAR LAPS 1'- 6" MIN. UNLESS NOTED OTHERWISE.
- 2) 12" PVC WATERSTOPS REQUIRED @ ALL COLD JOINTS AND AS PER PLAN
- 3) ALL REINFORCEMENT TO BE ASTM 36, DEFORMED STEEL BARS
- 4) ALL CONCRETE FOR SWIMMING POOL MIN. 4000 PSI AIR ENTRAINED, TROWELED OR SHOTCRETE & IMMEDIATELY RUBBED SMOOTH AS SOON AS FORMS CAN BE REMOVED
- 5) ALL SWIMMING POOL FLOOR & WALLS TO BE PLASTERED EXCEPT WHERE TILE IS REQUIRED REFER TO SPECIFICATIONS SECTION 09900
- 6) SWIMMING POOL TILE REQUIRED AT 5' FLOOR DEPTH ONLY. SEE DETAIL, DWG SW-1
- 7) ALL EXPOSED CONCRETE WALL CORNERS & STEPS SHALL HAVE 1" RADIUS CHAMFERED CORNER
- 8) ENTIRE INTERIOR OF SWIMMING POOL SHALL BE PLASTERED PER SPECIFICATION SECTION ON 09900 & MFR. RECOMMENDATIONS, COLOR TO BE CHOSEN

NOTE: 4" RIGID INSULATION SHALL BE REQUIRED UNDER ENTIRE POOL & AROUND THE ENTIRE WALL PERIMETER. REFER TO SPECIFICATIONS.

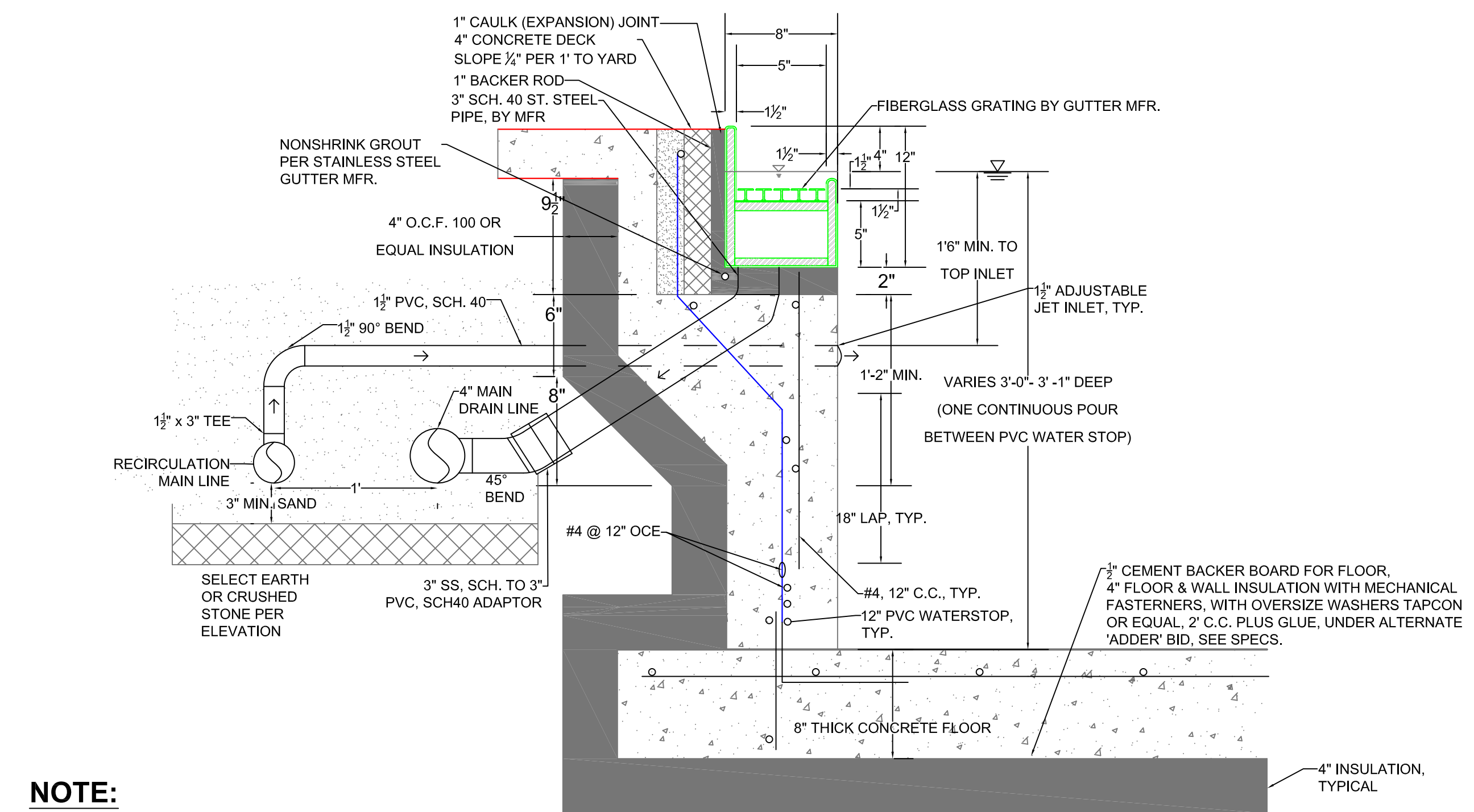
SECTION 01
SCALE: 1/4"=1' ST-4



6" PERFORATED HDPE PIPE CLASS DR 9 DRAIN TO DRY WELL AS SHOWN ON SITE PLAN, PITCH 1% MIN. CONTINUOUS AROUND POOL PERIMETER IN #1 & #2 CRUSHED, STONE & MIRAFI FABRIC, RUN TO DRY WELL SHOWN ON SITE DWG. S-01

12" #1/#2 CR. STONE, MIN., COMPACTED STD. PROCTOR DENSITY 100%, TYP.

CONTRACTOR TO PROVIDE R.O.B. STONE OR SELECT EARTH FILL TO ENGINEER'S SATISFACTION, MINIMUM DEPTH 2' BELOW POOL FLOOR TYP., COMPACTED TO 100% STANDARD PROCTOR DENSITY



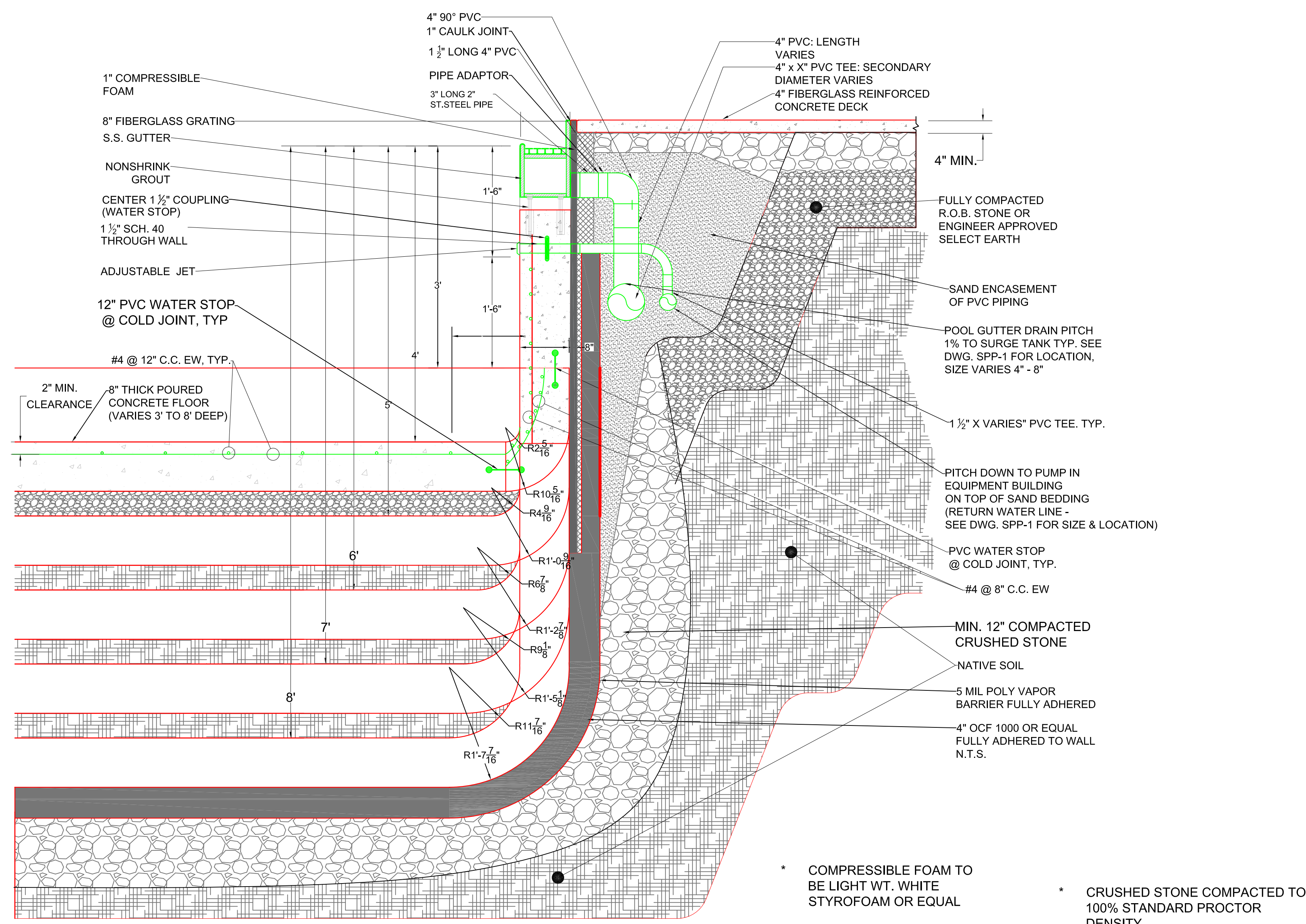
NOTE:

ALL EXTERIOR PIPING TO HAVE 2" HARD RUBBER INSULATION + PVC JACKET, INCLUDING ALL FITTINGS & SPECIALS, UNDER ALTERNATE BID

**STAINLESS STEEL GUTTER DETAIL, TYPICAL
N.T.S.**

RIGID INSULATION:

SHALL ALL BE OWENS CORNING FOAMULAR O.C.F. 1000 OR EQUAL, 3 PCF DENSITY, 100 OR EQUAL PSI COMPRESSIVE STRENGTH, CLASS V XPS (EXPANDED POLYSTYRENE).



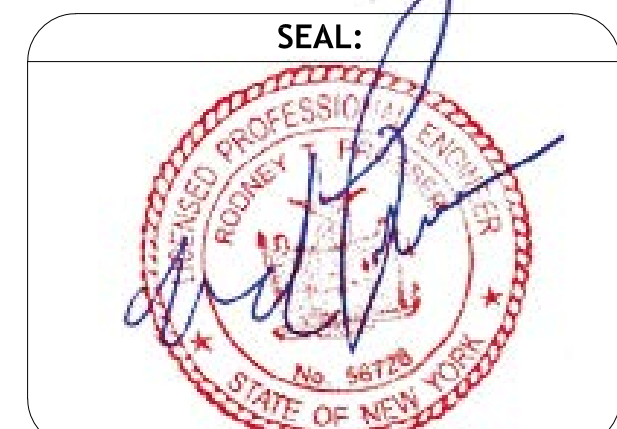
* COMPRESSIBLE FOAM TO BE LIGHT WT. WHITE STYROFOAM OR EQUAL
* CRUSHED STONE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

**TYPICAL POOL SECTIONS AT WALL (3'-0" - 8'-0" DEPTH)
N.T.S.**

NOTES:

- 1) HANDRAIL NOT SHOWN
- 2) SEE DWGS. SPP-1, SPP-3, & SPP-5 FOR EMBEDDED PIPING

CLIENT:
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DELHI, NEW YORK 13753



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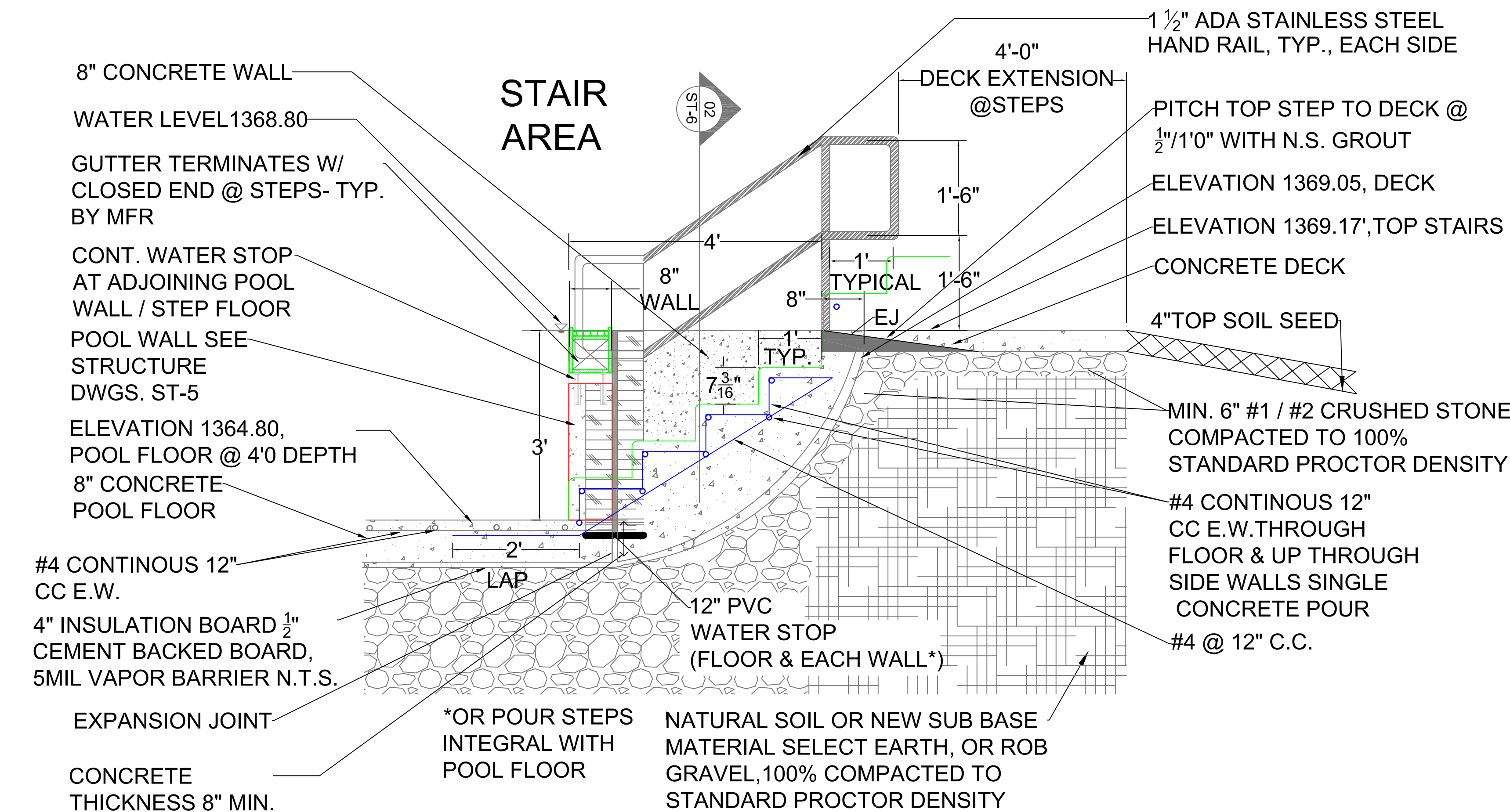
REVISIONS:		
NO.	DATE	DESCRIPTION
1.	6/15/2017	BLUE STEP EDGES
2.	6/15/2017	ADD STAIR & HANDRAIL TO WADING POOL
3.	8/07/2017	POOL STEPS MODIFIED

PROJECT:
TOWN OF DELHI NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

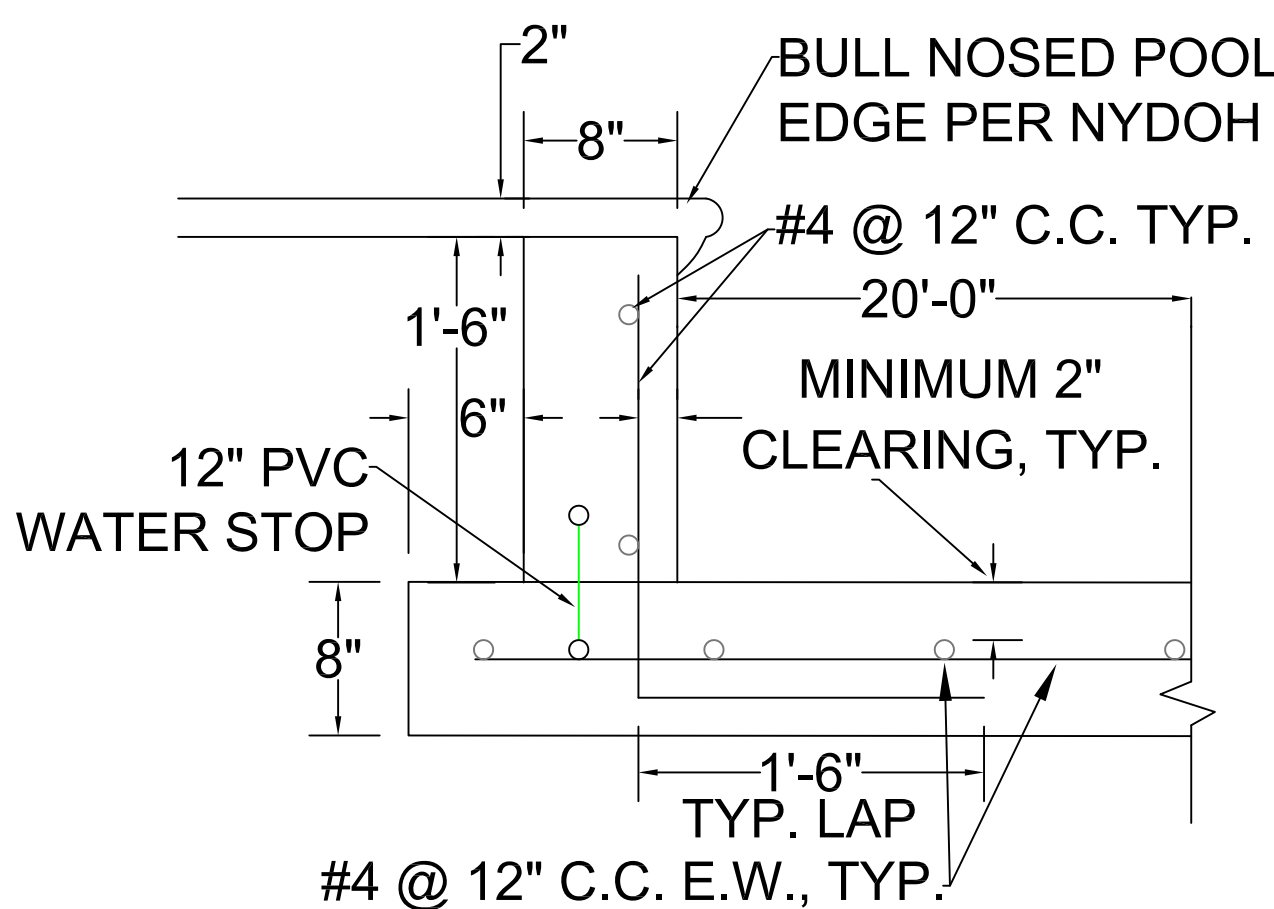
DRAWING TITLE:
SWIMMING POOL &
WADING POOL STAIR
DETAIL & SECTION AND
KID POOL SECTION &
STEP PLAN

DATE: 08/23/17
SCALE: AS SHOWN
DRAWN BY: S.D./J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001

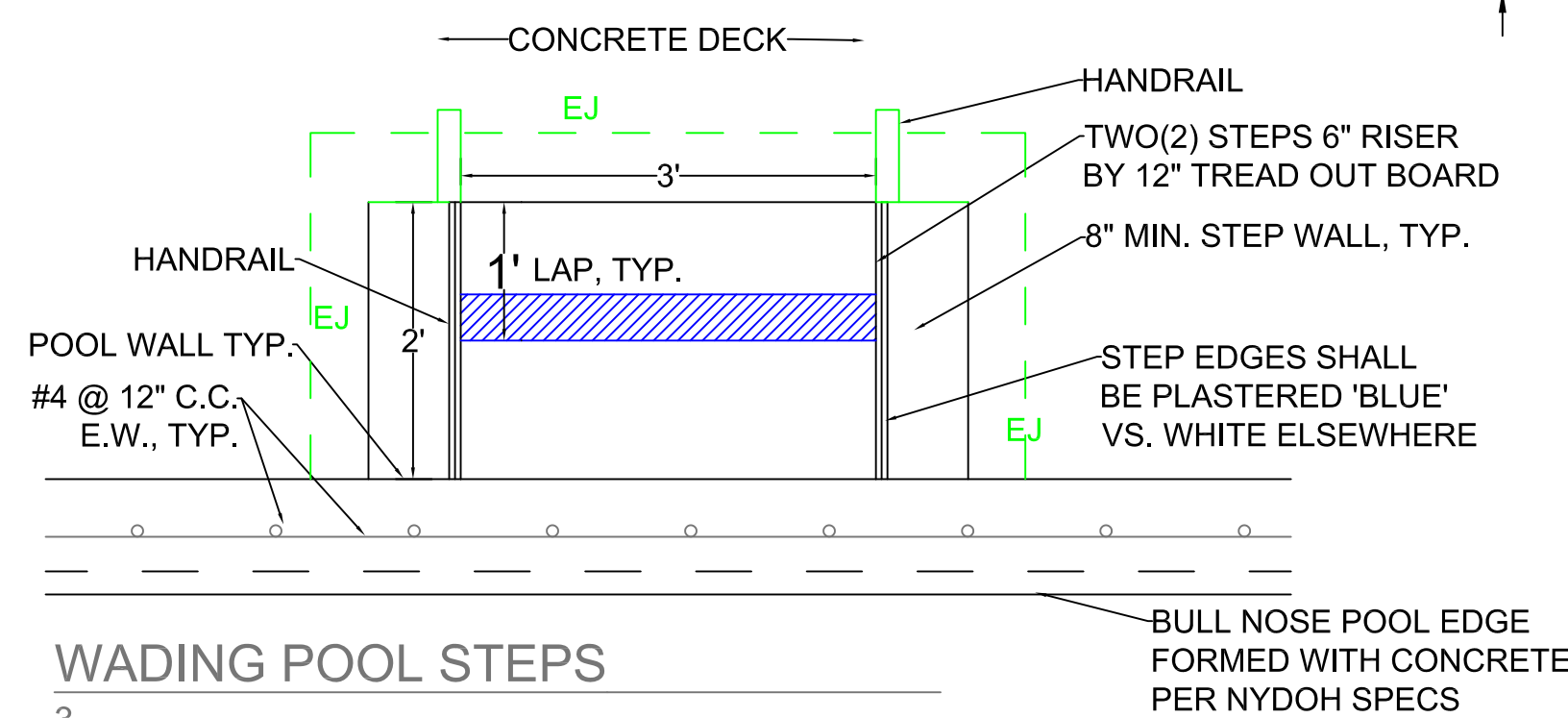
DRAWING NO:
SECTION NO./
SHEET NO,
ST-6 /14



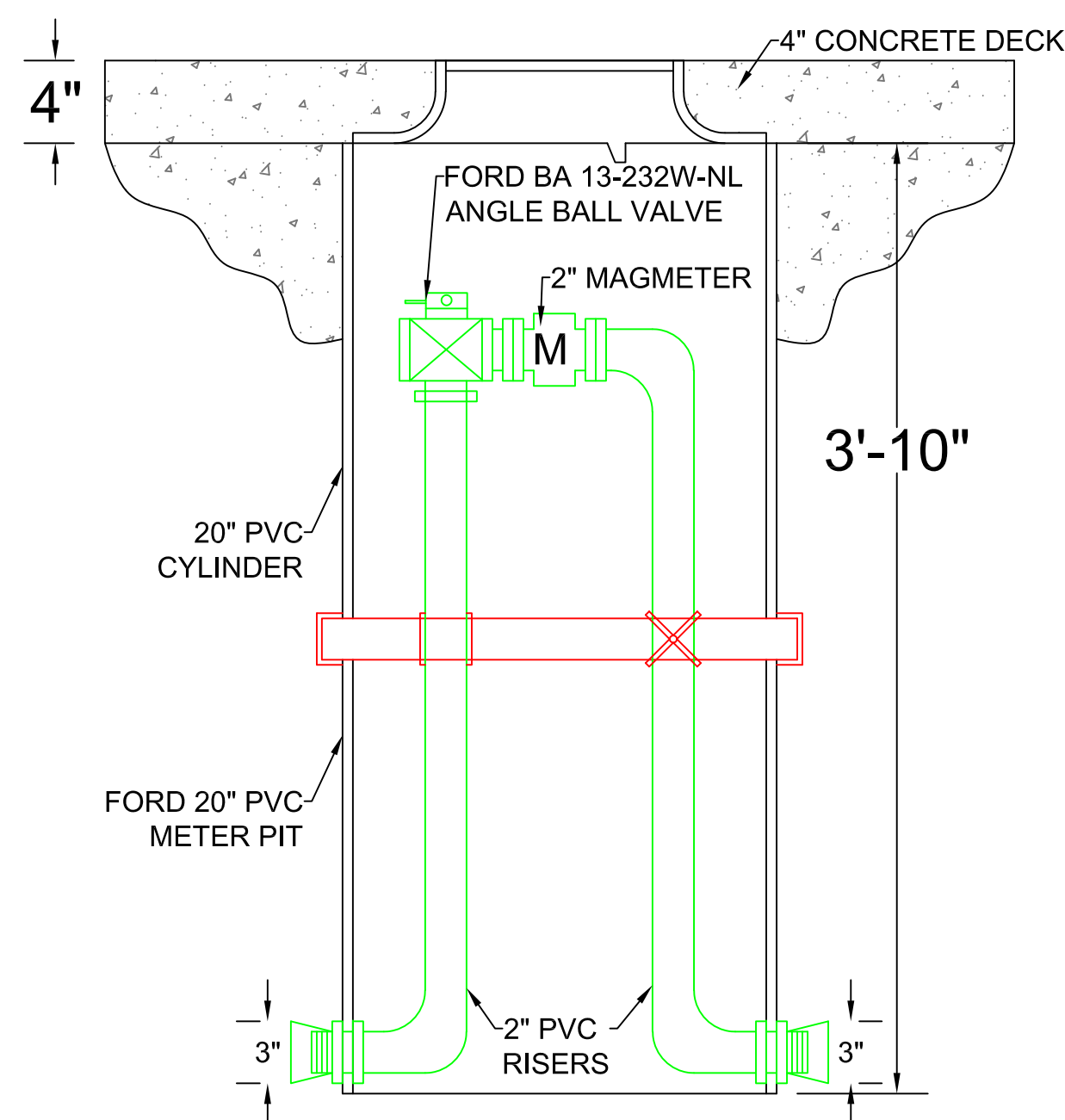
STAIR DETAIL ELEVATION
SCALE: 1/2"=1'
01
ST-4



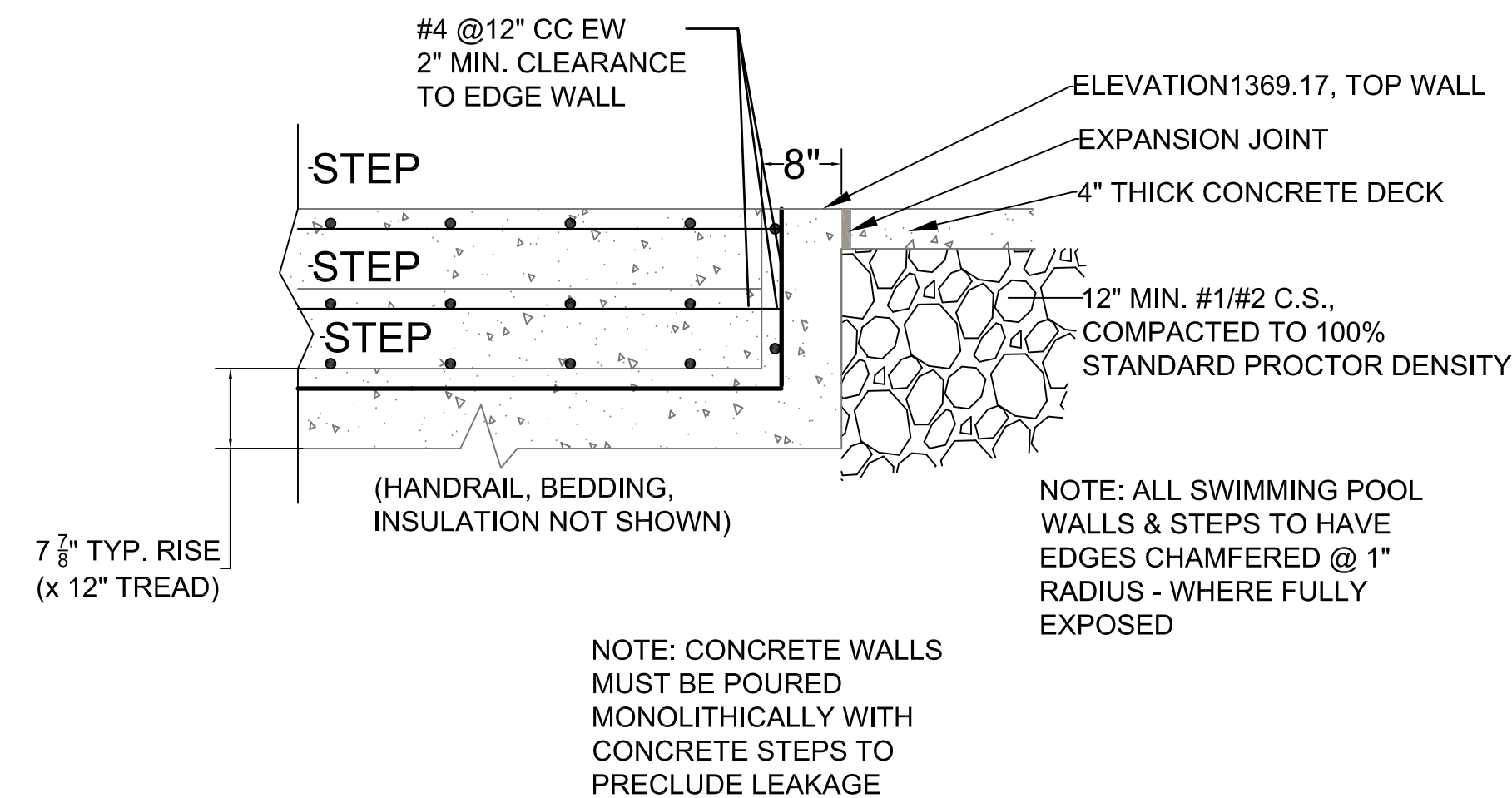
KID'S POOL SECTION
N.T.S.
02
ST4



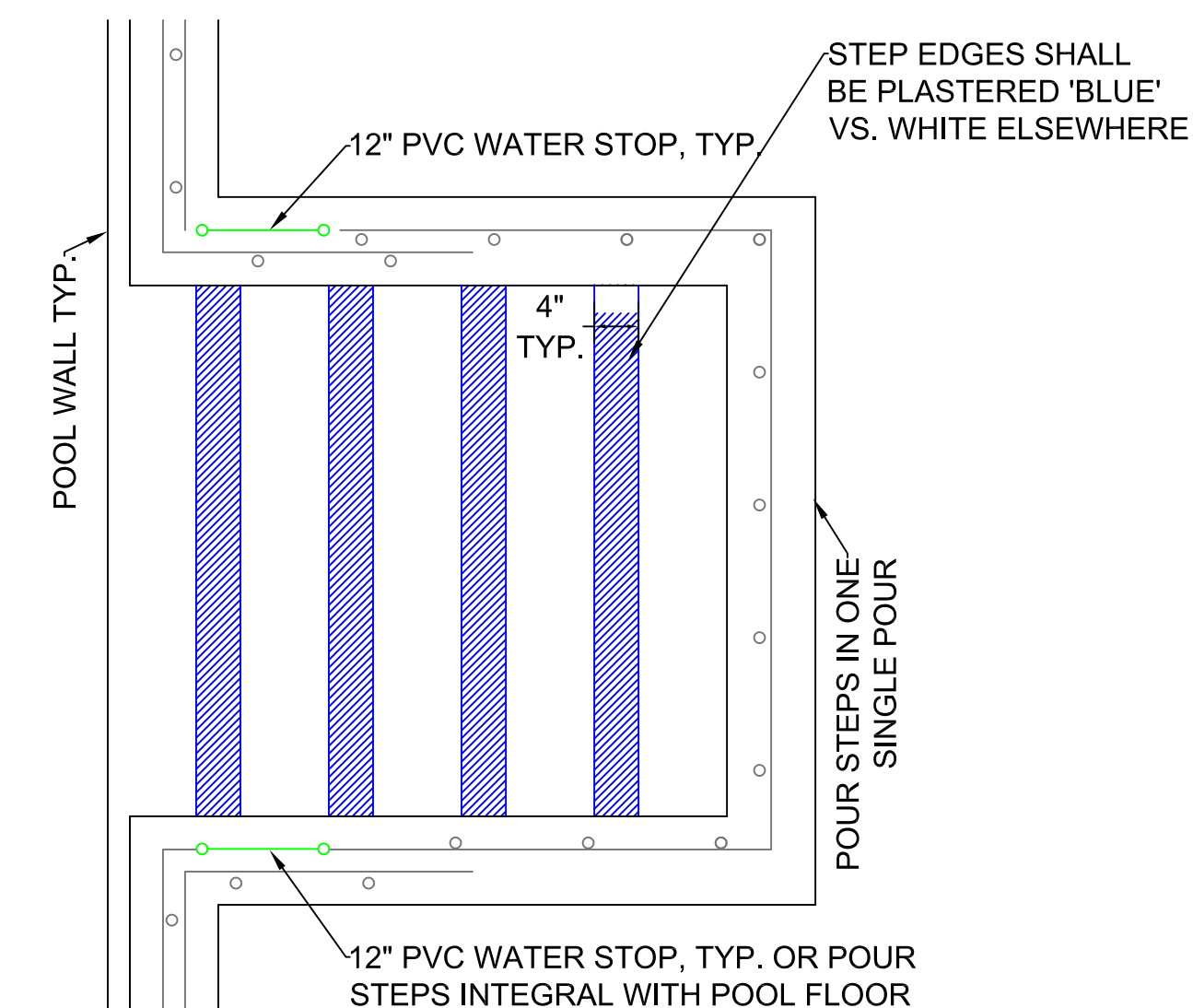
WADING POOL STEPS



STANDARD PIT SETTER
1-1/2" = 1'-0"

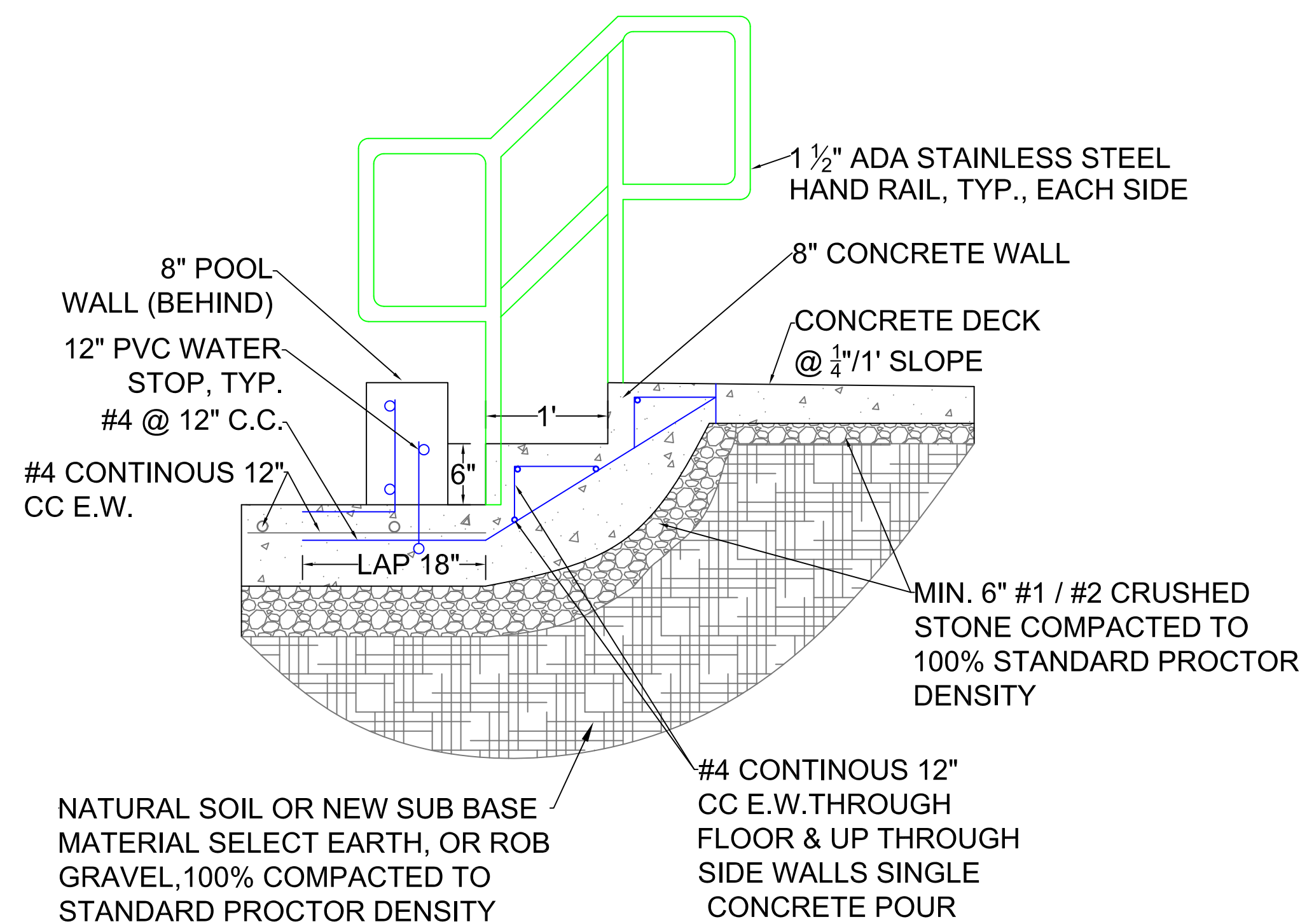


SECTION
N.T.S.
02
ST-6



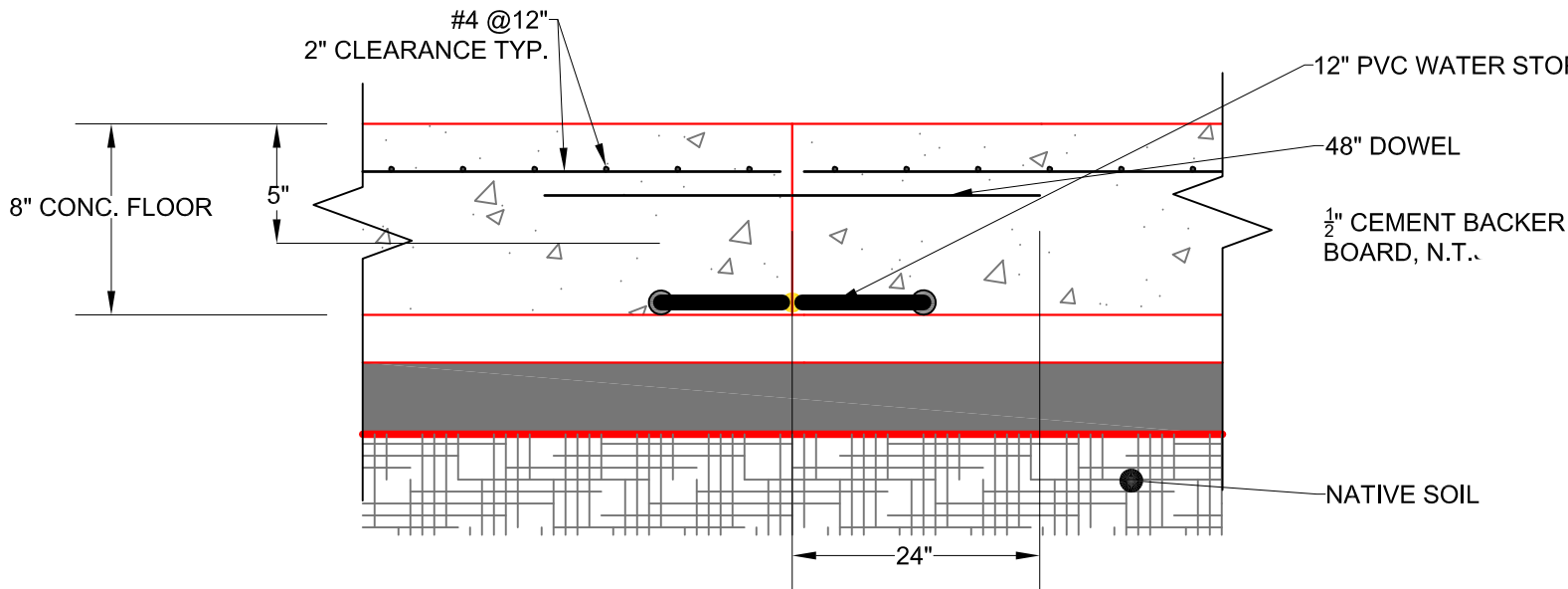
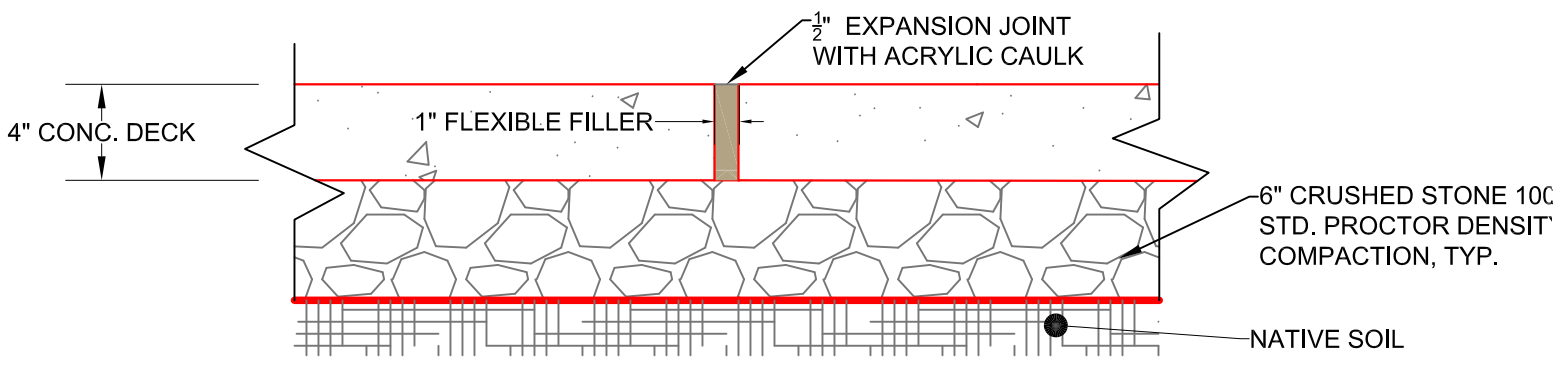
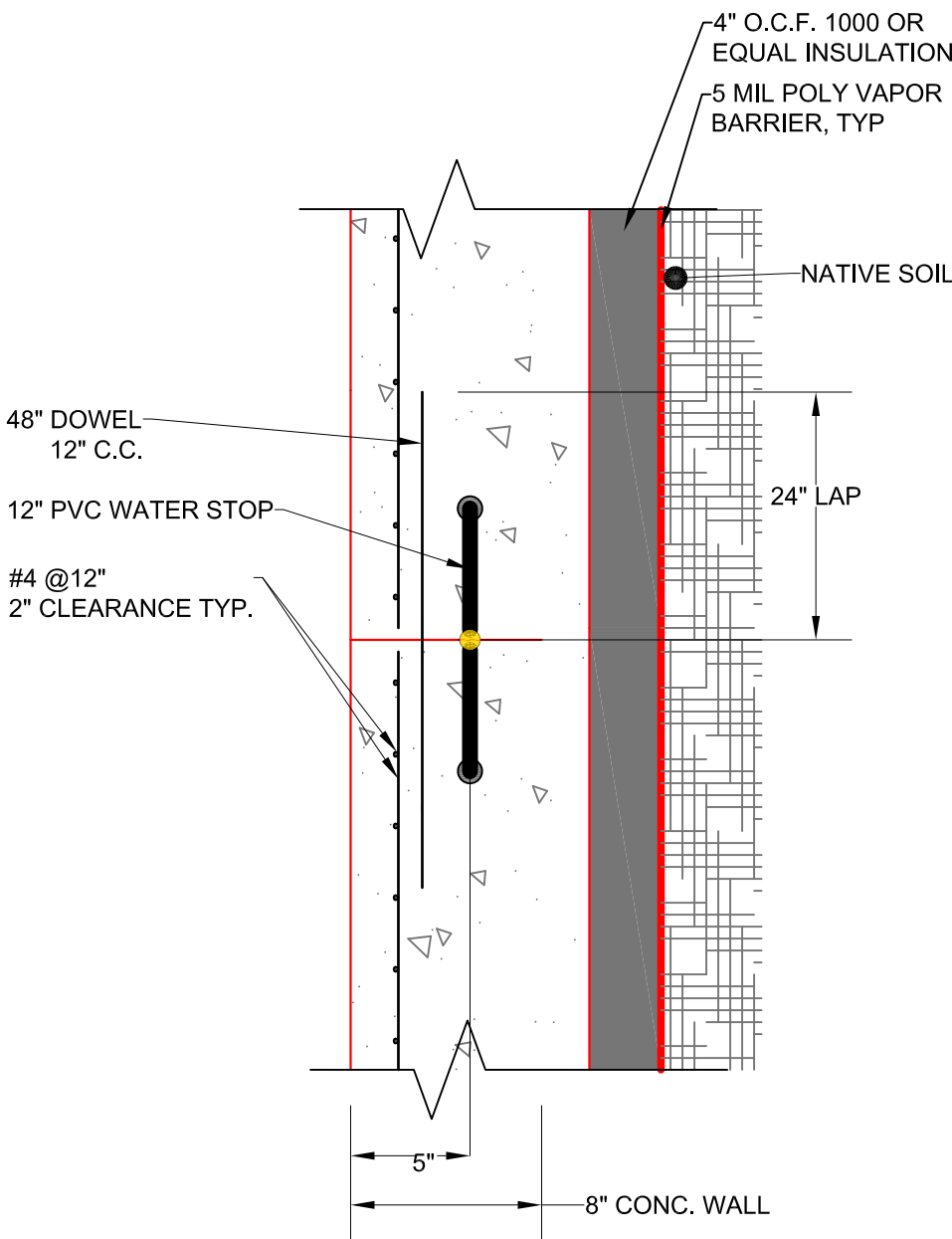
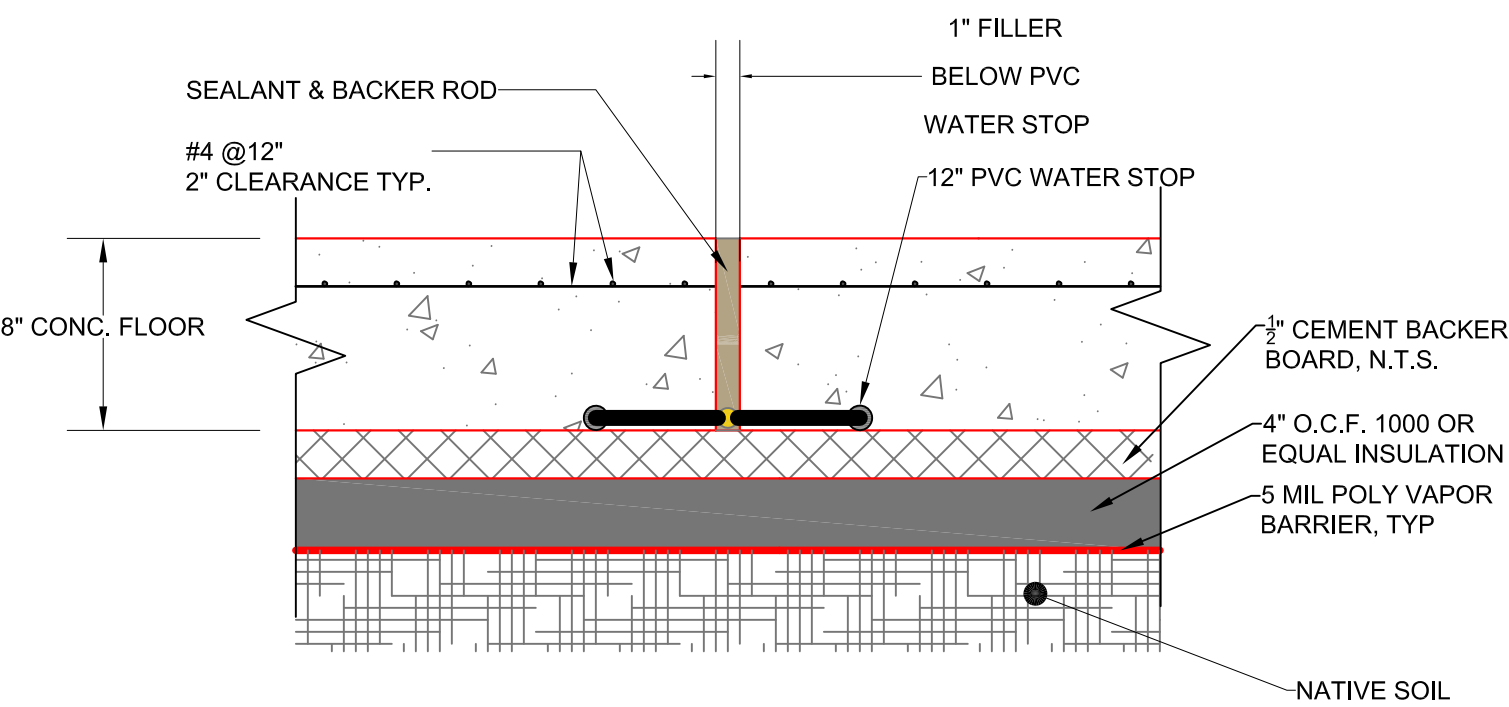
STEP PLAN (MAIN POOL)
N.T.S.

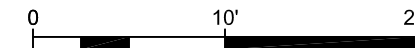
* SEE ELEVATION ABOVE
FOR STEP REINFORCING



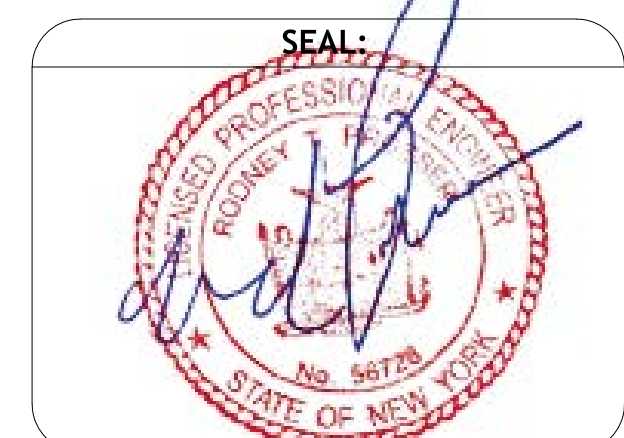
WADING STAIR DETAIL ELEVATION*
SCALE: 1"=1'

* STEPS-POUR INTEGRAL WITH POOL FLOOR





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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	6/15/2017	POOL INLET SPECIFICATIONS
2.	6/15/2017	ADD STEPS & HANDRAIL TO WADING POOL

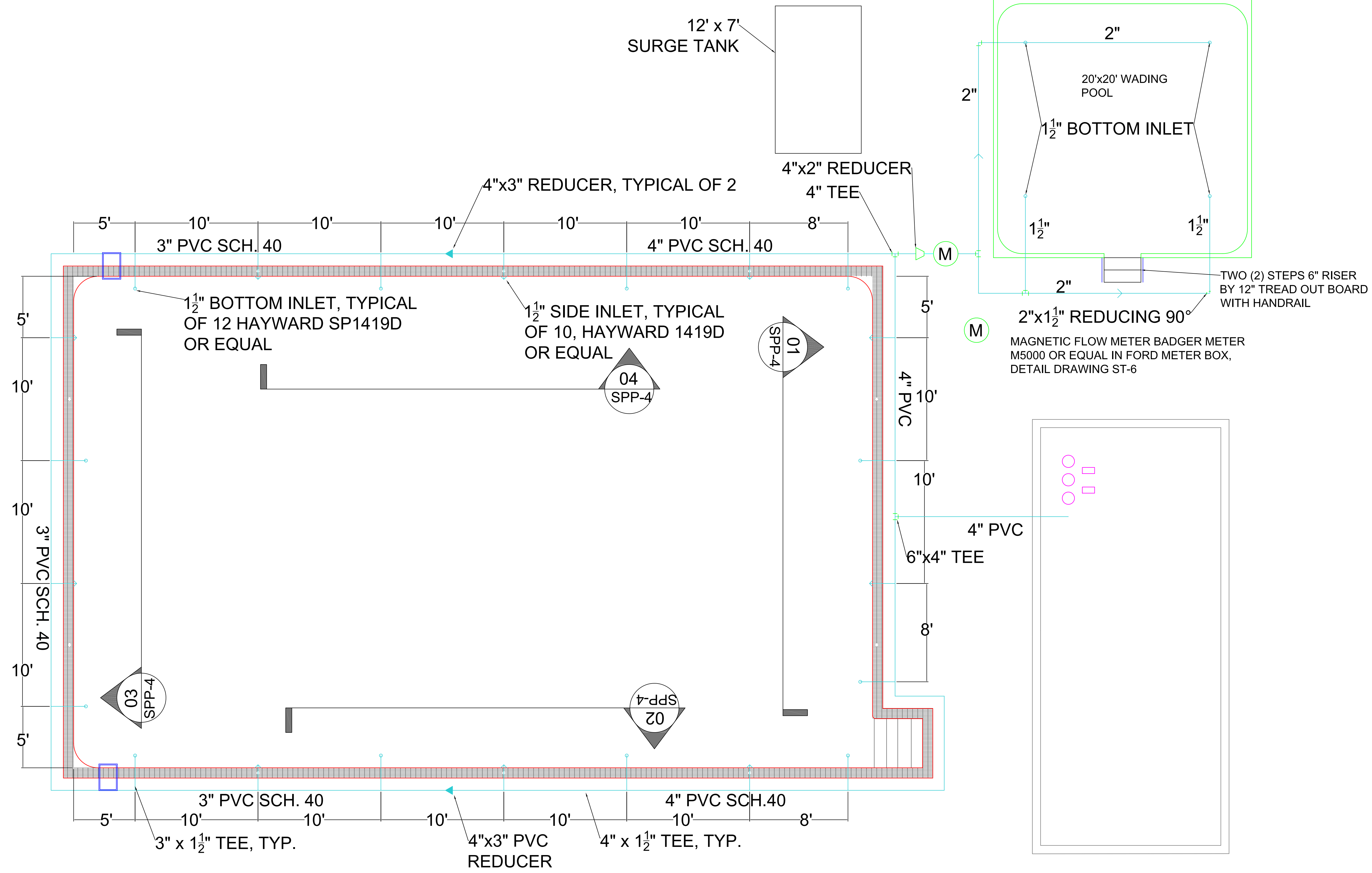
PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

SWIMMING POOL PIPING
PLAN RECIRCULATION
LINES

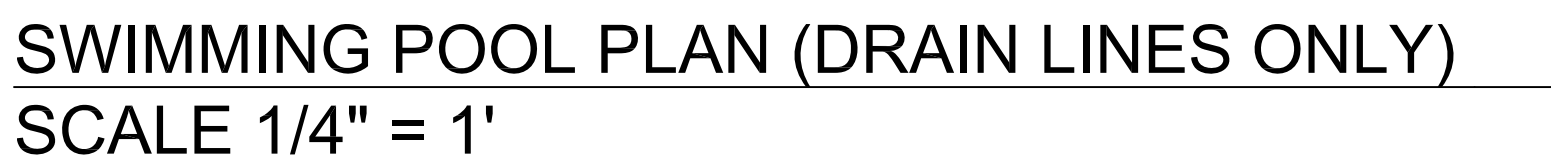
DATE: 08/04/17	DRAWING NO:
SCALE: 1/4" = 1'-0"	SECTION NO. / SHEET NO.
DRAWN BY: S.D./J.X.	SPP-1/16
REVIEWED BY: R.P.	
JOB NO: DT016-001	



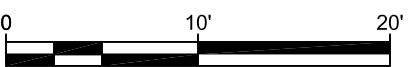
NOTE:

- ALL POOL RECIRCULATION INLET JETS SHALL HAVE MIN. 3" WIDE x 1/2" THICK BENTONITE FABRIC WATER STOP WRAPPED & BANDED AROUND PIPING IN WALL WHETHER OR NOT SHOWN ON DWGS.
- ALL RECIRCULATION LINES, FITTINGS, & SPECIALS TO BE INSULATED WITH 2" HARD RUBBER, PVC JACKETED BY AEROFLEX USA UNDER RECIRCULATION PIPING INSULATION ADDER BID.
- WADING POOL SKIMMERS TO BE HAYWARD SP1070 OR EQUAL

SWIMMING POOL PLAN (RECIRCULATION LINES ONLY)
SCALE 1/4" = 1'



- 
- LAKESIDE
ENGINEERING P.C.**
- 11 CENTRE PARK, SUITE 305
ROCHESTER, NY 14614
PHONE 585.279.9300
- lsengrpc.com
- ARCHITECTURAL, CIVIL, ENVIRONMENTAL,
ELECTRICAL & MECHANICAL ENGINEERS



CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	6/15/2017	MAIN DRAIN COVERS
2.	7/31/2017	REMOVE SKIMMER

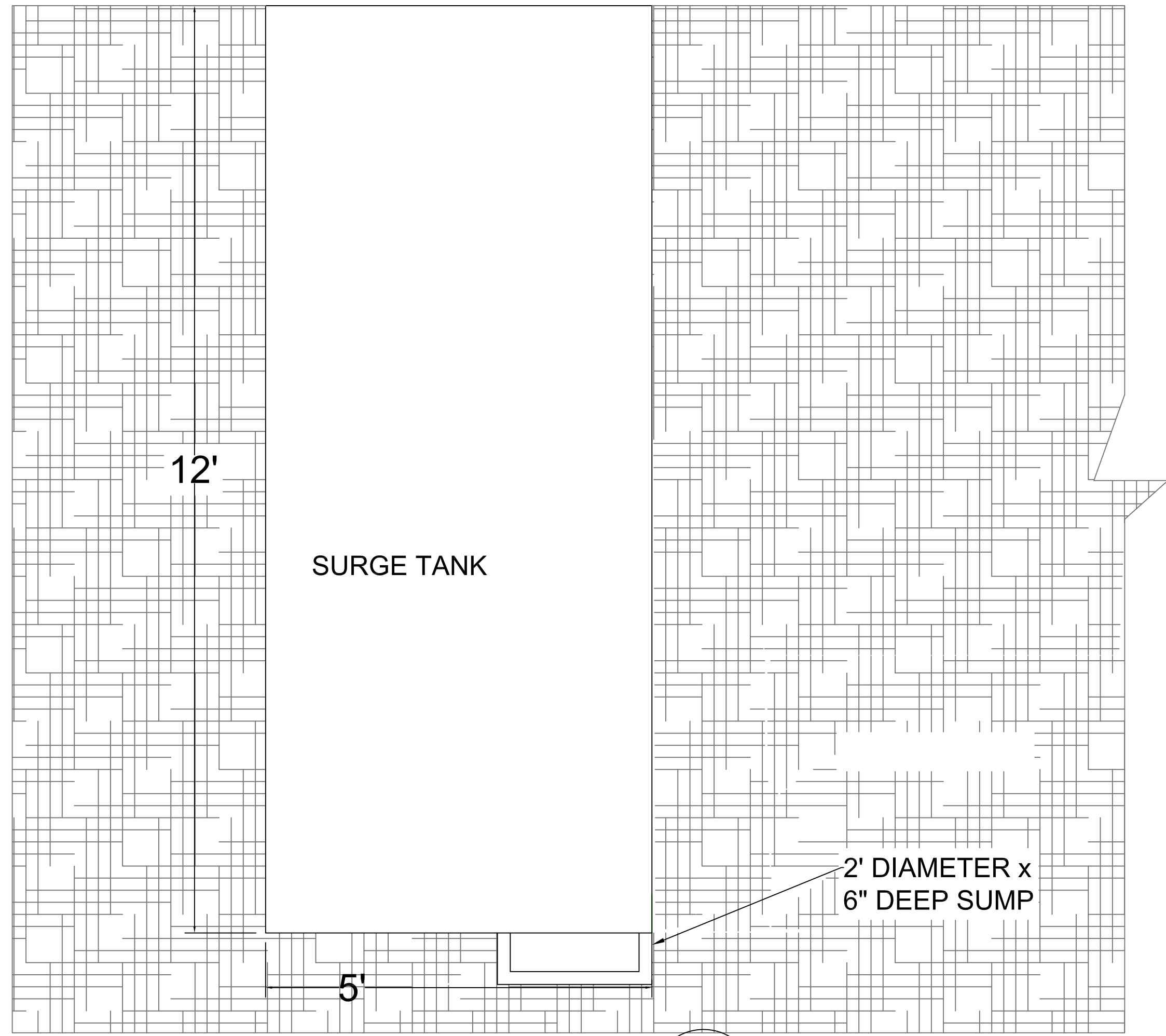
PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

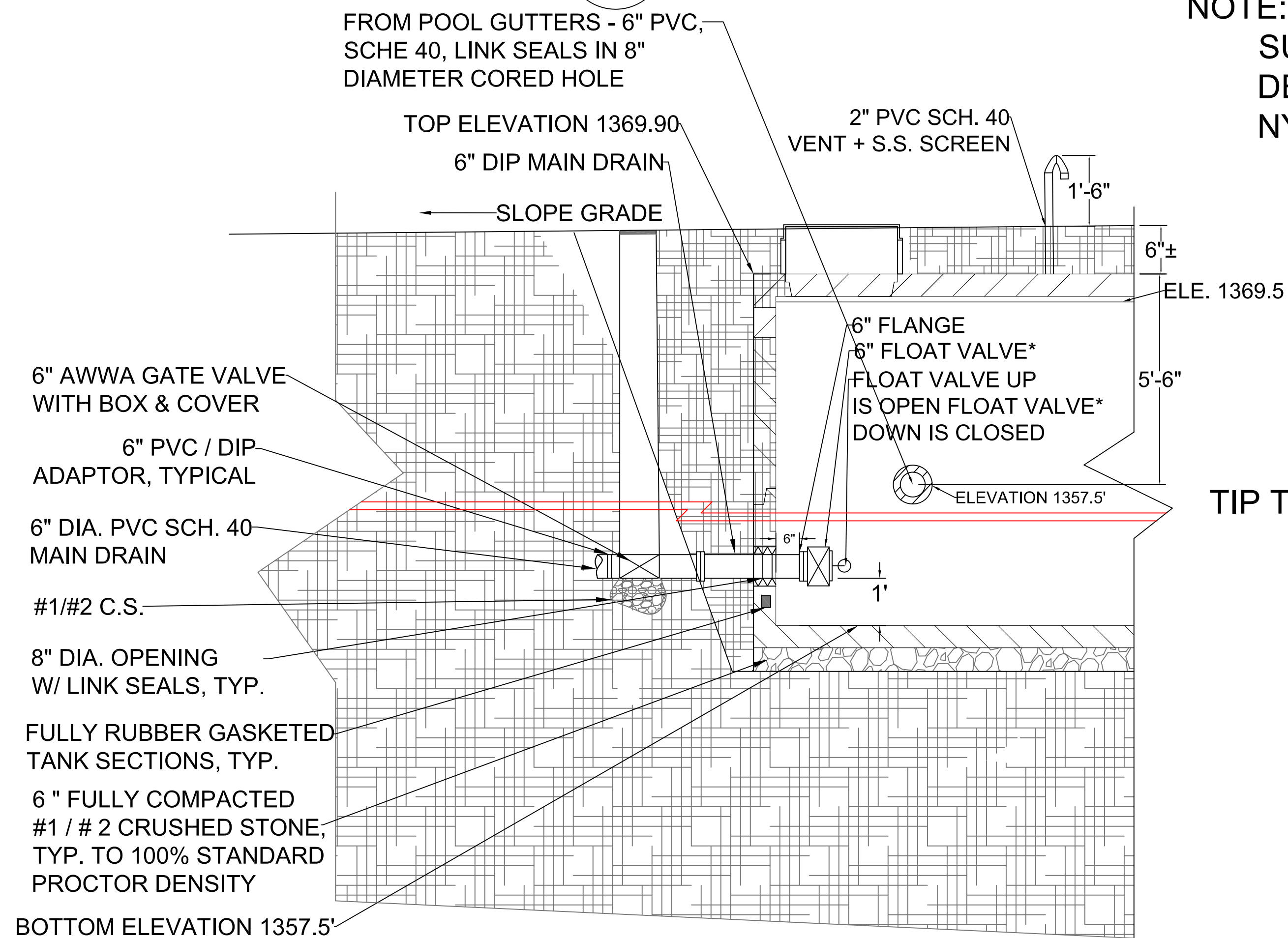
SWIMMING POOL PIPING
PLAN DRAIN (RETURN)
LINES

DATE: 07/31/17	
SCALE: 1/4" = 1'-0"	
DRAWN BY: S.D./J.X.	
REVIEWED BY: R.P.	
JOB ID: DT016-001	



SUMP SECTION
N.T.S.

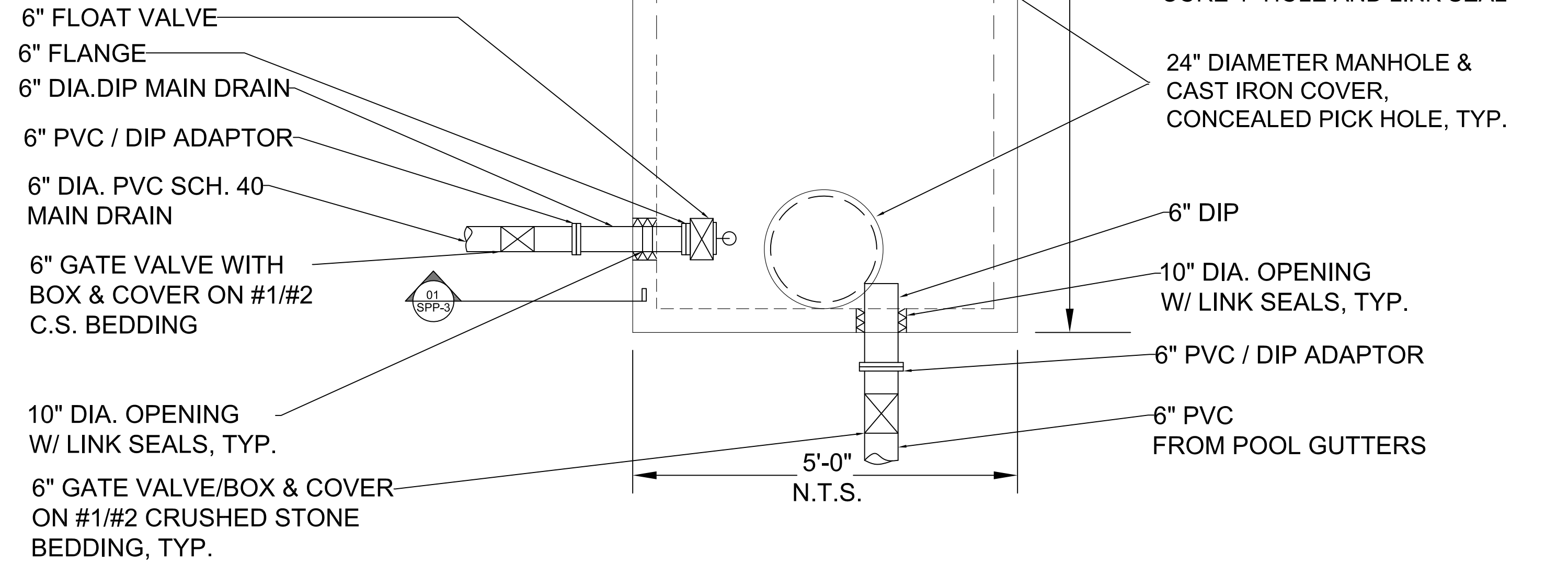
03
SPP-3



SURGE TANK SECTION
N.T.S.

01
SPP-3

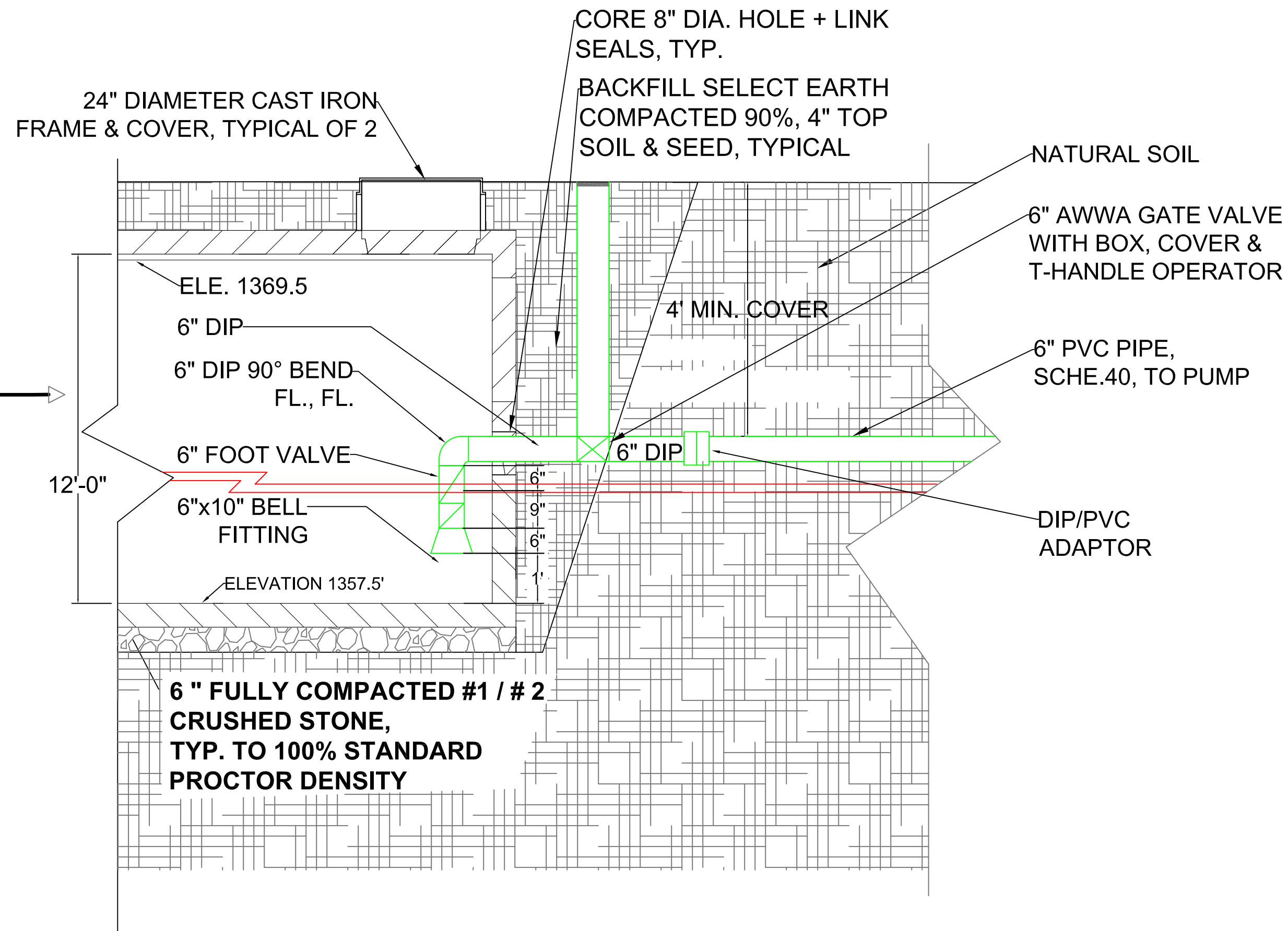
* FLOAT VALVE MODEL
RECOREONICS RECREONICS
6" MODULATING FLOAT VALVE
OR EQUAL.



PLAN VIEW AT TOP OF 5000 GAL. SURGE TANK
SCALE: 1/2" = 1'

NOTE:
SURGE TANK STRUCTURE
DESIGN TO BE SEALED BY
NYSPE.

TIP TANK 1" TO REAR
FOR DRAINAGE



SURGE TANK SECTION
N.T.S.

02
SPP-3

CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	6/16/2017	ADD SUMP SECTION

PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

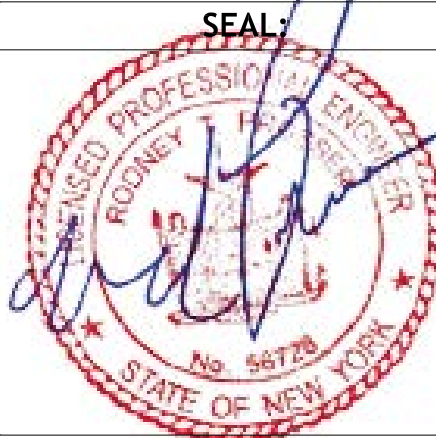
DRAWING TITLE:
SWIMMING POOL SURGE
TANK PLAN & SECTIONS

DATE: 06/26/17
SCALE: AS SHOWN
DRAWN BY: S.D./J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001

DRAWING NO:
SECTION NO. /
SHEET NO.
SPP-3/19

CLIENT:

TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



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REVISIONS:

NO.	DATE	DESCRIPTION
1.	6/15/2017	ADD DEPTH MARKING, NOTE & LADDER

PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

POOL OVERFLOW
GUTTER SYSTEM &
DRAIN (RETURN)
PIPING, SECTION #1-#4

DRAWING NO:

SECTION NO. /
SHEET NO.
SPP-5/21

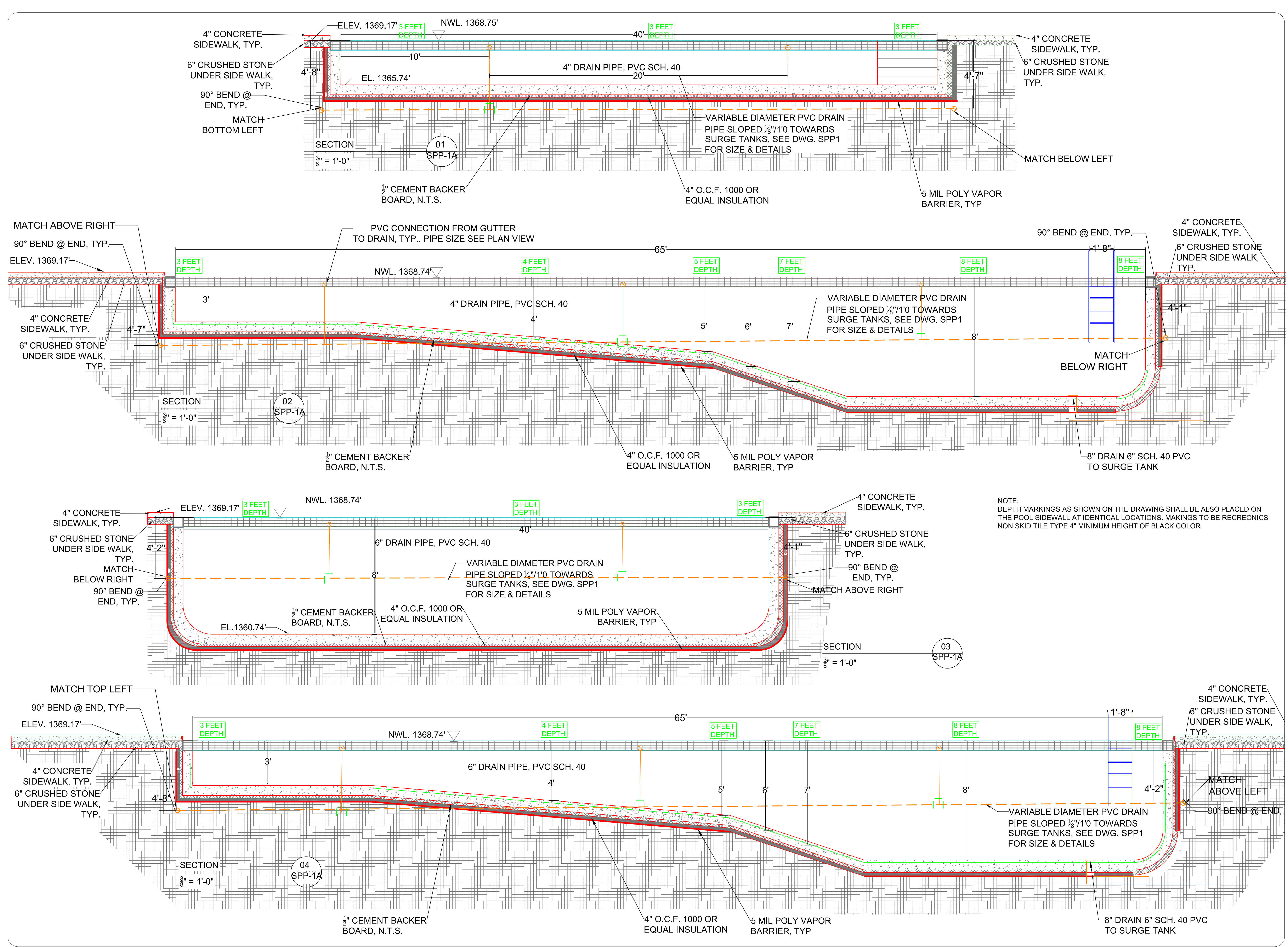
DATE: 08/15/17

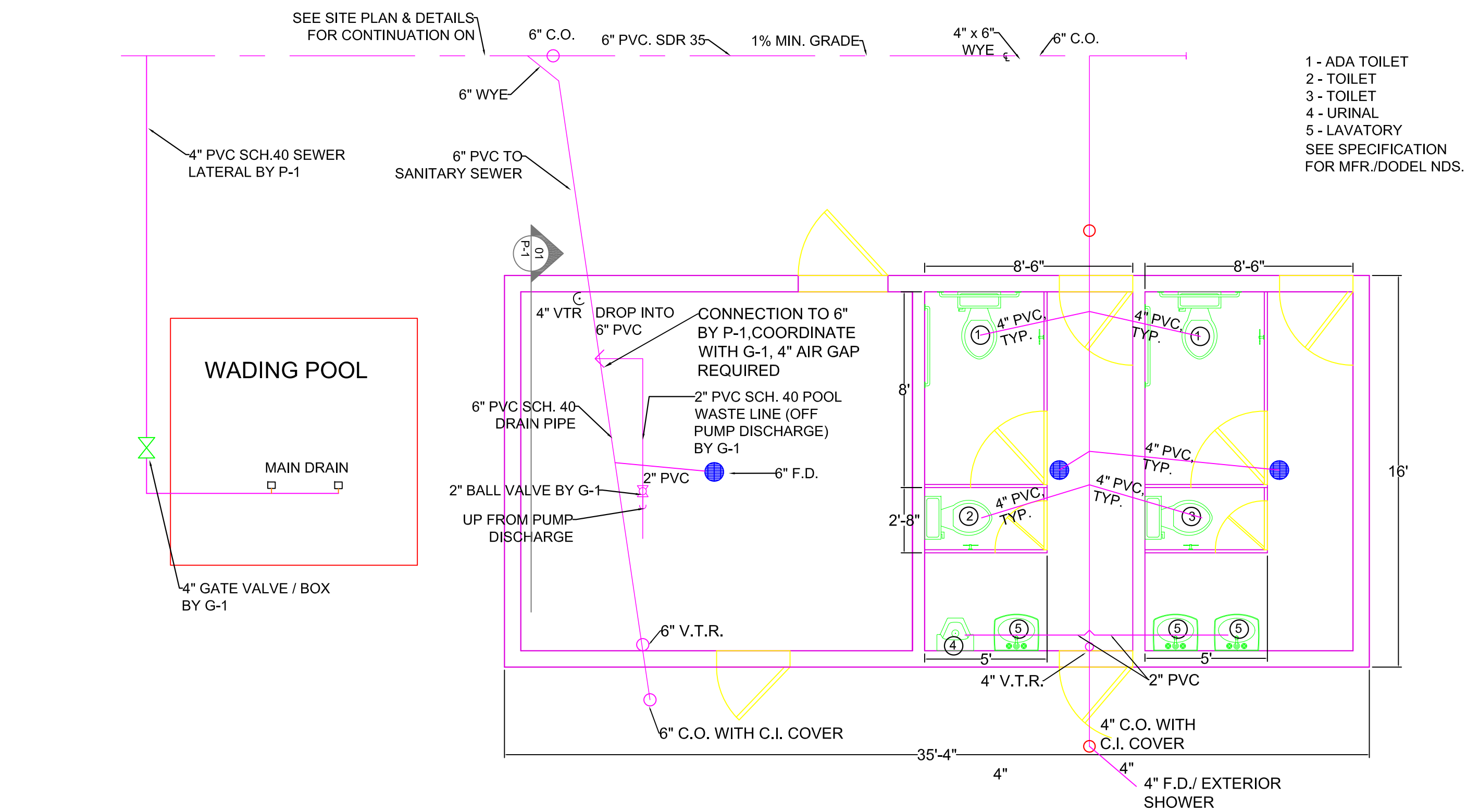
SCALE: 3/8" = 1'-0"

DRAWN BY: S.D./J.X.

REVIEWED BY: R.P.

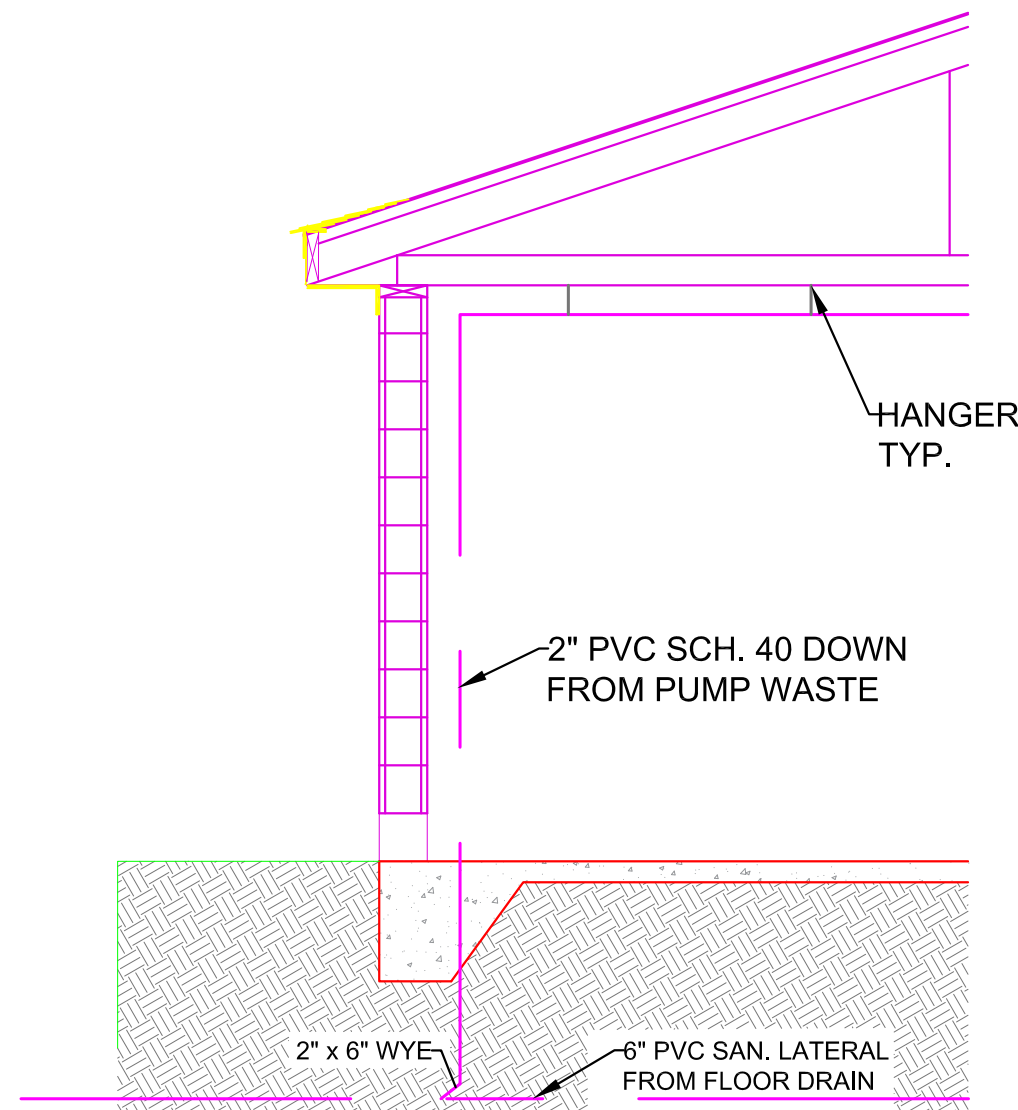
JOB ID: DT016-001





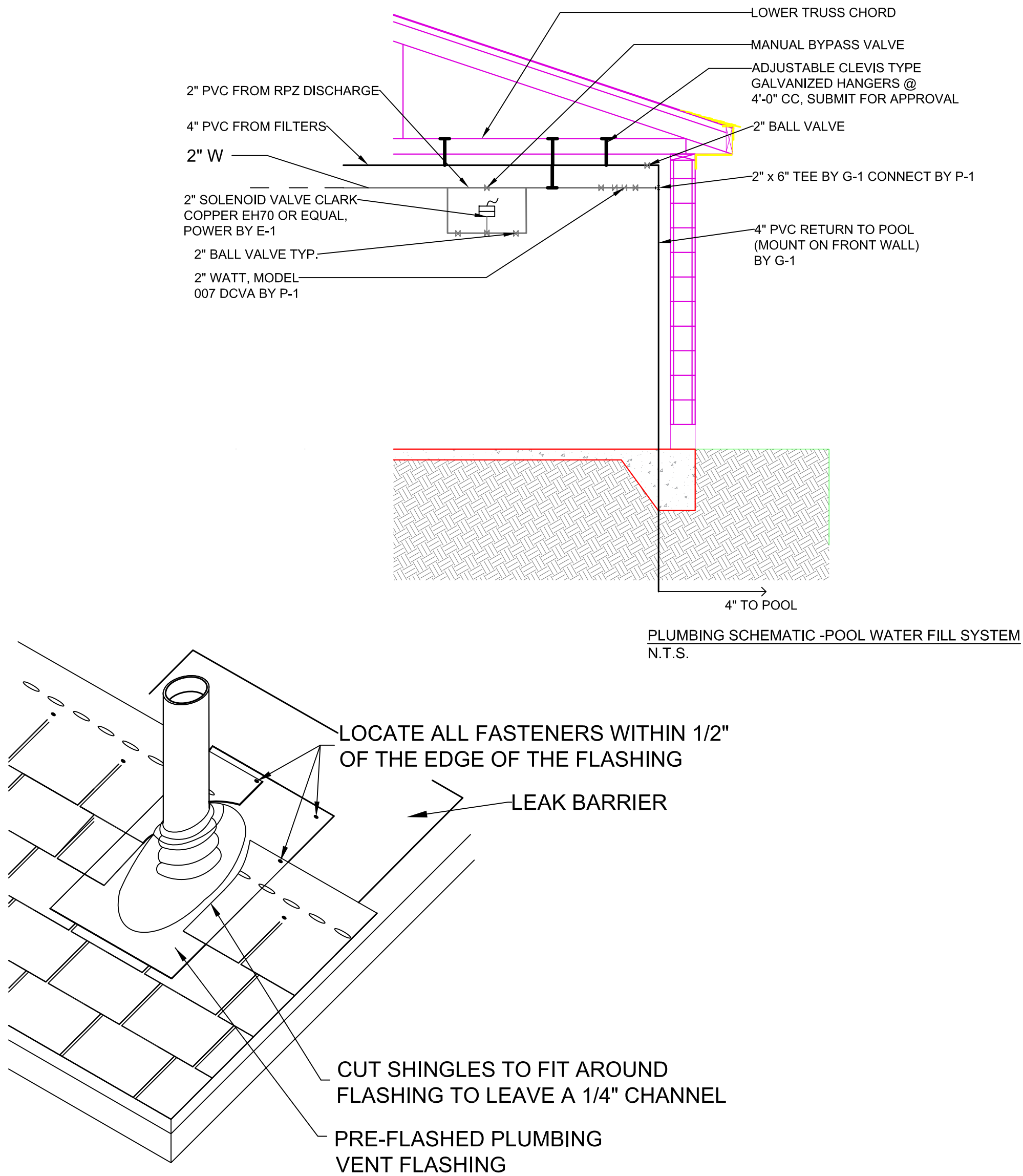
BATHHOUSE SANITARY PIPING N.T.S.

REFER TO SPECIFICATIONS, SECTION 15,
FOR DETAILS OF PLUMBING FIXTURES &
BATHROOM STALLS & ACCESSORIES



POOL PUMP SANITARY LINE DRAWING ELEVATION
N.T.S.

- NOTES:
- 1.) INSTALL 48" x 48" ICE & WATER SHIELD LEAK BARRIER TARGET SHEET
 - 2.) DO NOT FACE NAIL THE PLUMBING VENT FLASHING



PLUMBING VENT FLASHING DETAIL BY P-1 N.T.S.

- 1 - ADA TOILET
2 - TOILET
3 - TOILET
4 - URINAL
5 - LAVATORY
SEE SPECIFICATION
FOR MFR./MODEL NDS.

ALL WATER LINES TO BE RUN ON TOP OF LOWER TRUSS
CHORD & SHALL BE INSTALLED TO BE EASILY DRAINED
INCLUDING AIR INLET VALVES AS NEC. ALL WATER LINES
ATTACHED TO WALL INTERIOR; LINES SHALL NOT BE
EMBEDDED IN CONCRETE NOR RUN INSIDE MASONRY
WALLS

GENERAL PLUMBING NOTE:

ALL SEWER PIPING SHALL BE SCH. 40 PVC (INSIDE) &
PVC SDR 35 (OUTSIDE) SUBMIT ALL PIPING HANGERS &
SPECIALS FOR APPROVAL

ALL HOT & COLD WATER TO BE TYPE "K" OR
TYPE "N" COPPER SET UP FOR WINTER BLOW DOWN,
PROVIDE HOSE BIBBS AS NEEDED ALONG WATER
LINES FOR DRAINING

SEE SITE PLAN FOR CONTINUATION OF GAS
& WATER PLUMBING PIPING

RUN WATER PIPING OVERHEAD, SUPPORT ON LOWER
TRUSS CHORD, TYP. SUBMIT HANGERS FOR
APPROVAL. MAX SPACING 4'0 CC.

REFER TO SITE PLAN DWGS. FOR DETAILS SHOWING
REQUIREMENTS FOR UNDERGROUND SANITARY
SEWER LATERAL & NEW 2" HDPE, DR11 OR TYPE K
COPPER WATER SERVICE INSTALLATION

THE CONTRACTOR SHALL OBTAIN INFORMATION ABOUT
THE EXISTING UNDERGROUND UTILITIES FROM LOCAL
AUTHORITY (DELHI) RECORDS AND SHALL DETERMINE
THE EXACT LOCATION AND ELEVATION OF EXISTING
UTILITIES BY FIELD INVESTIGATION.

THE CONTRACTOR SHALL OBTAIN PERMITS FROM ALL
FEDERAL, STATE, AND/OR LOCAL PERMIT AUTHORITY
HAVING JURISDICTION OVER ANY PHASE OF
CONSTRUCTION ASSOCIATED WITH THE INSTALLATION
OF THIS SYSTEM.

THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION
SITE IN A NON-HAZARDOUS CONDITION ALL IN
ACCORDANCE WITH THE REQUIREMENTS OF THE NEW
YORK STATE DEPARTMENT OF LABOR, OSHA, AND ALL
OTHER AGENCIES HAVING JURISDICTION. UNLESS
OTHERWISE APPROVED IN WRITING (BY DELHI), THE
CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE
FENCING AROUND ALL OPEN EXCAVATIONS.

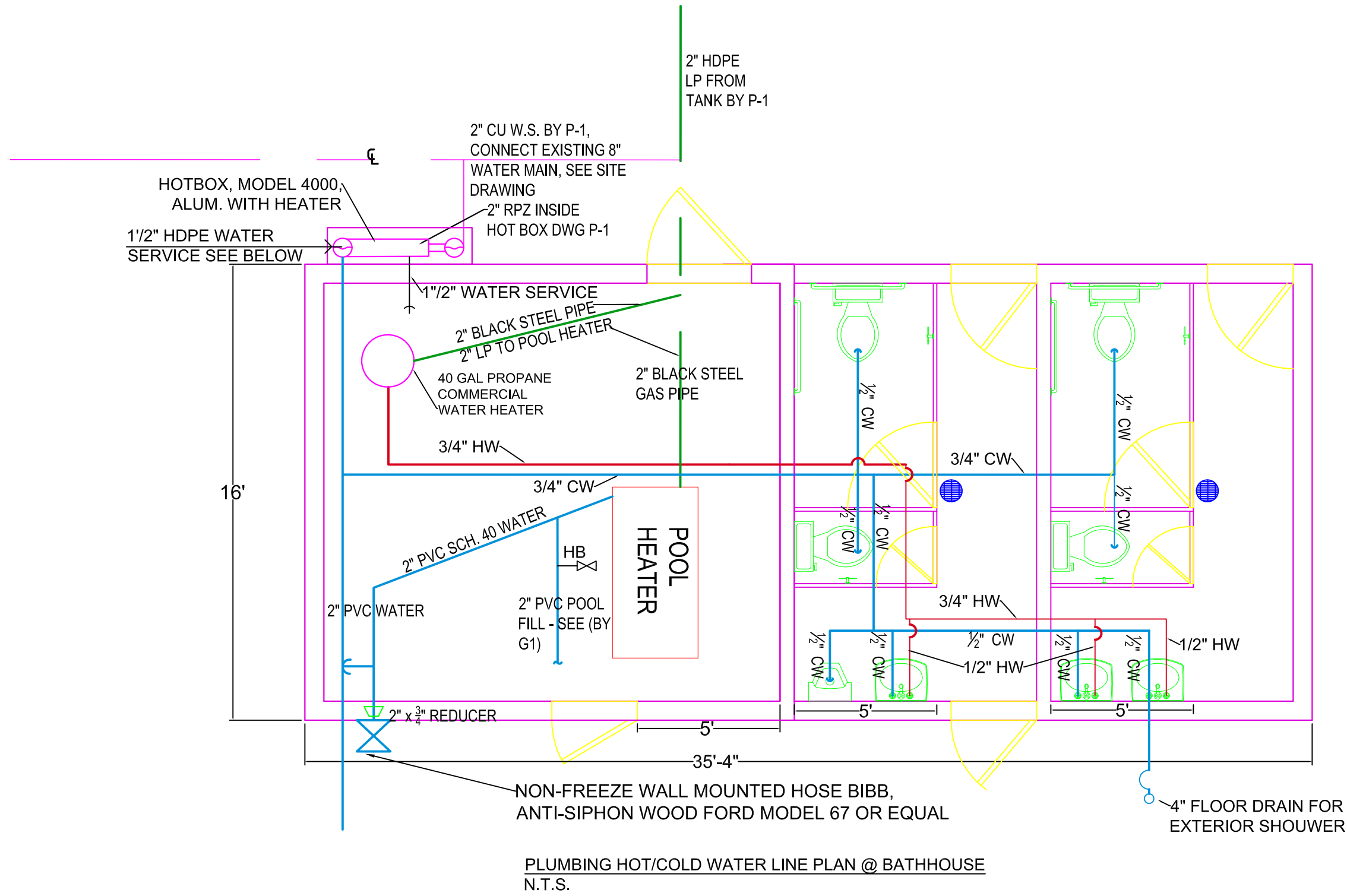
THE CONTRACTOR SHALL CHECK THE LOCATION,
ELEVATIONS, INVERTS, POSITIONS, AND SIZES OF ALL
CONNECTIONS ON THE EXISTING HYDRANT WHERE A
2-1/2" DIAMETER WATER SUPPLY CONNECTION TO THE
BATH HOUSE IS TO BE MADE. PROVIDE ISOLATION
VALVE (LOCKED OPEN) AT THE HYDRANT.

THE CONTRACTOR SHALL PROVIDE EXCAVATION FROM
THE HYDRANT CONNECTION TO THE BATH HOUSE.

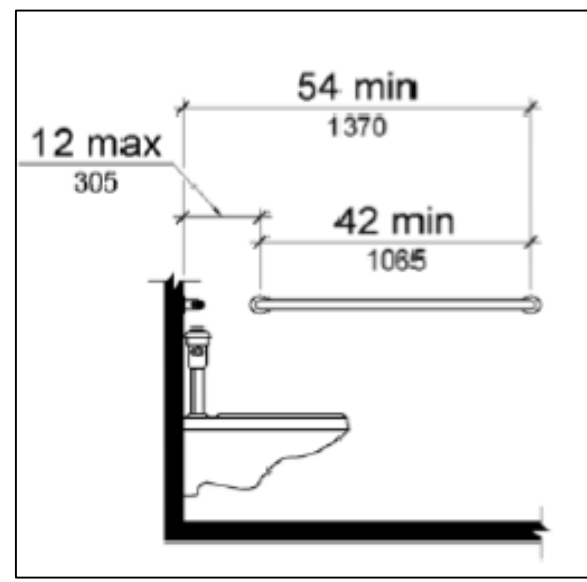
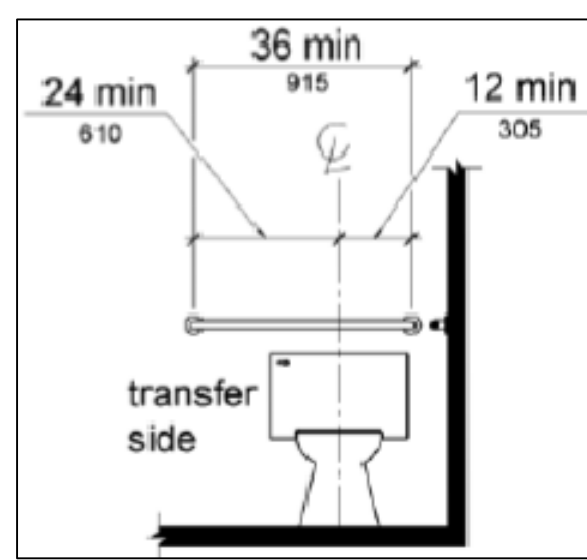
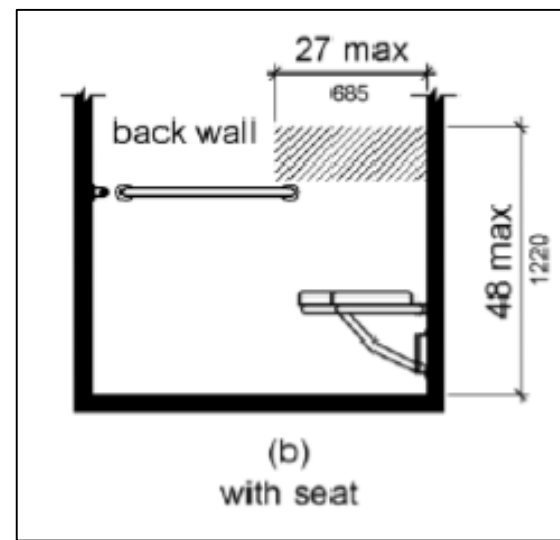
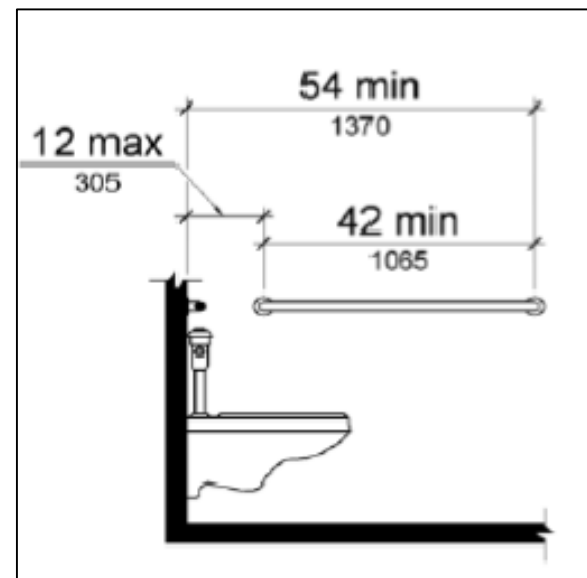
THE CONTRACTOR SHALL INSTALL 2" DIAMETER
UNDERGROUND PIPING FROM THE UTILITY TO THE BATH
HOUSE INCLUDING WALL PENETRATION INTO THE BATH
HOUSE AT THE FILTER ROOM. THE INSTALLATION
SHALL COMPLY WITH AWWA STANDARDS. CONNECTION
TO THE HYDRANT SHALL BE MADE AT HOURS TO BE
DETERMINED BY THE LOCAL AUTHORITIES. THE LOCAL
AUTHORITY IS VILLAGE OF DELHI, P. O. BOX 328,
DELHI, NY 13753, ATTENTION: MR. DAVID CURLEY,
SUPERINTENDENT OF PUBLIC WORKS.

THE CONTRACTOR SHALL INSTALL WATER METER AND
ISOLATION VALVES, AND RPZ VALVE AS
MANUFACTURED BY WATTS, MODEL 909QT SERIES IN
THE FILTER ROOM.

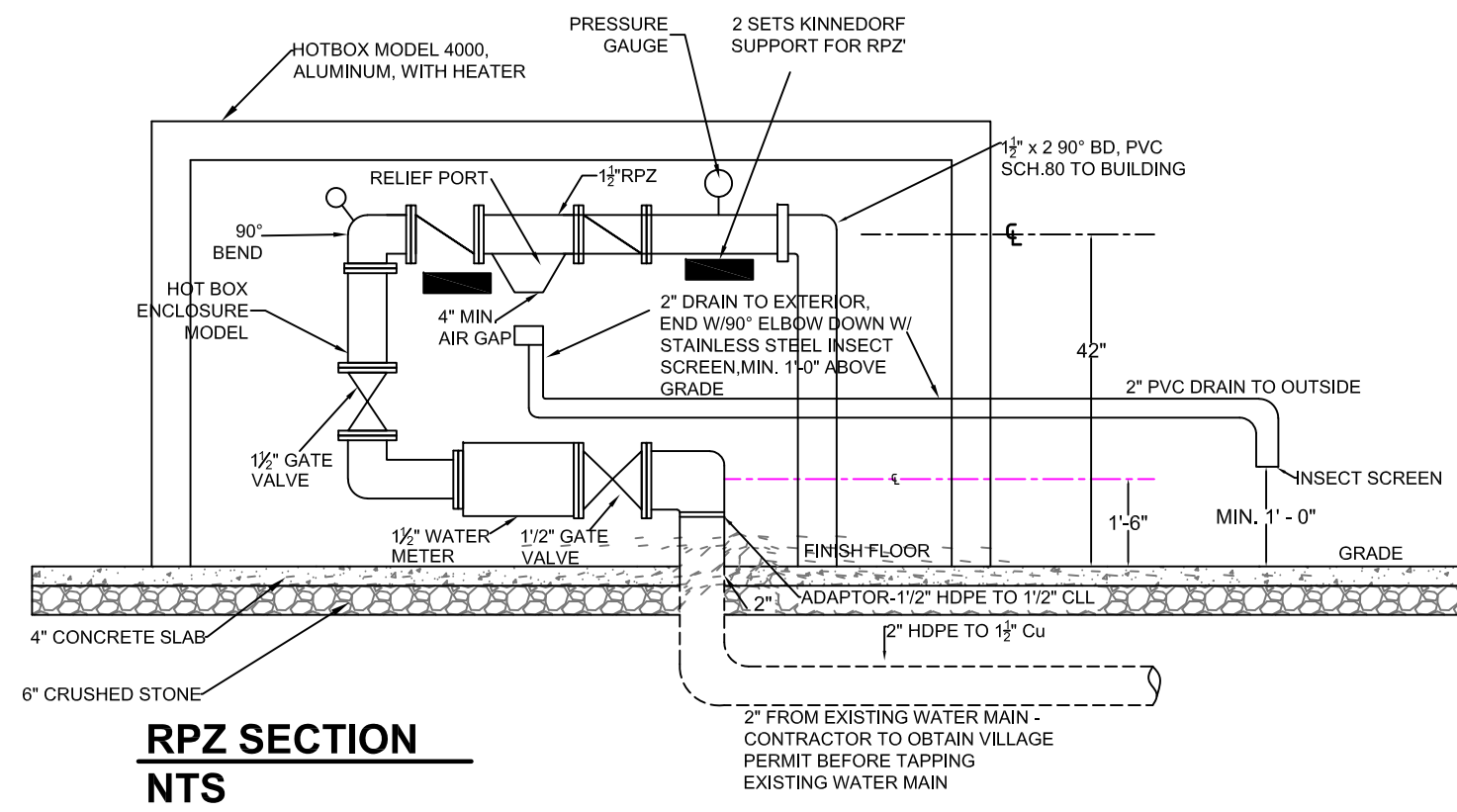
WATER SUPPLY PIPING SHALL BE INSPECTED, TESTED
AND APPROVED BEFORE BACK FILLING. CONTRACTOR
TO LOCATE AND REMEDY ALL DEFECTS FOUND DURING
TESTING AND SHALL REPEAT THE TEST AT NO COST
TO OWNER UNTIL THE INSTALLATION IS ACCEPTED.



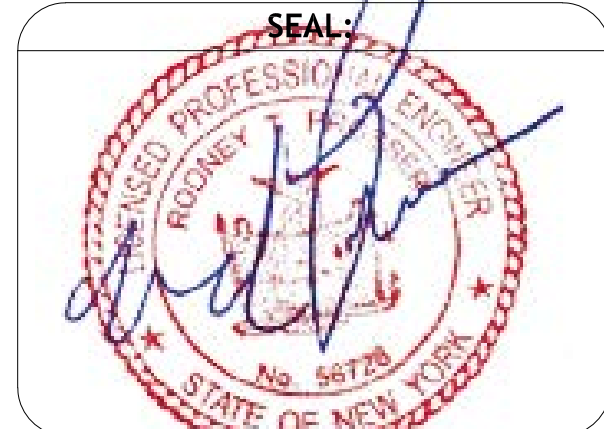
REFER TO SITE DRWGS. FOR CONTINUATION & DETAIL



HANDICAPPED BATHROOM STALL
N.T.S.



CLIENT:
TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753



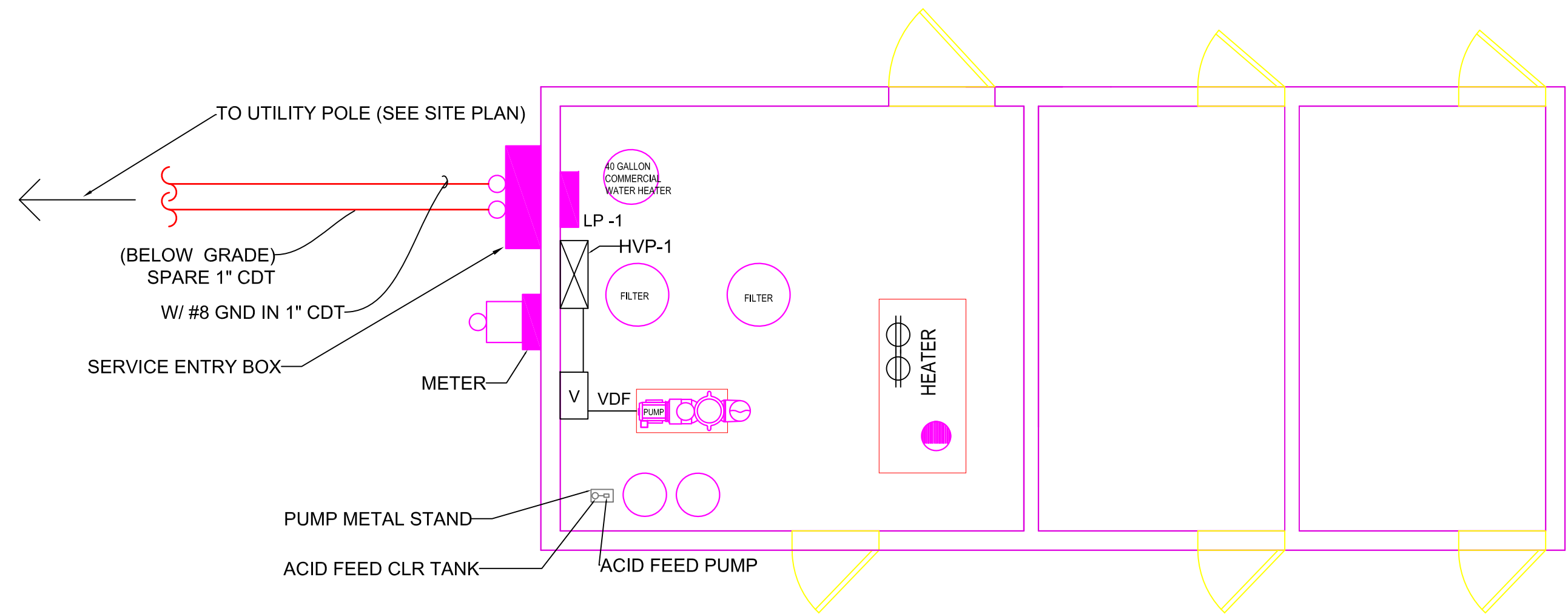
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REVISIONS:		
NO.	DATE	DESCRIPTION
1.	6/15/2017	HOSE BIBE

PROJECT:
TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:
BATH HOUSE WATER LINES,
PLUMBING, FIXTURES, POOL
FILL SYSTEM, & DRAIN
SYSTEM


DATE: 06/26/17
SCALE: N.T.S.
DRAWN BY: J.L.M./J.X.
REVIEWED BY: R.P.
JOB ID: DT016-001
DRAWING NO:
SECTION NO. /
SHEET NO.
P-1/22




The diagram illustrates the electrical system for a three-unit building. Key components include:

- Units:** Three residential units are shown, each with its own set of electrical fixtures and wiring.
- Lighting:** Labeled L1 TYP. and L2, with green lines indicating the lighting circuit.
- Ground Fault Interrupters (GFI):** Located in each unit, with red lines indicating the grounding circuit.
- Appliances:** FAN, PUMP, HEATER, and FILTER are shown with their respective wiring.
- Switches:** Labeled CKT 1 through CKT 26, with green lines indicating the switch circuit.
- Service Panel:** Labeled M, with a ground rod (GR) and a main service panel (M).
- Grounding:** Red lines indicate the grounding circuit, with a ground rod (GR) and a main service panel (M) shown.

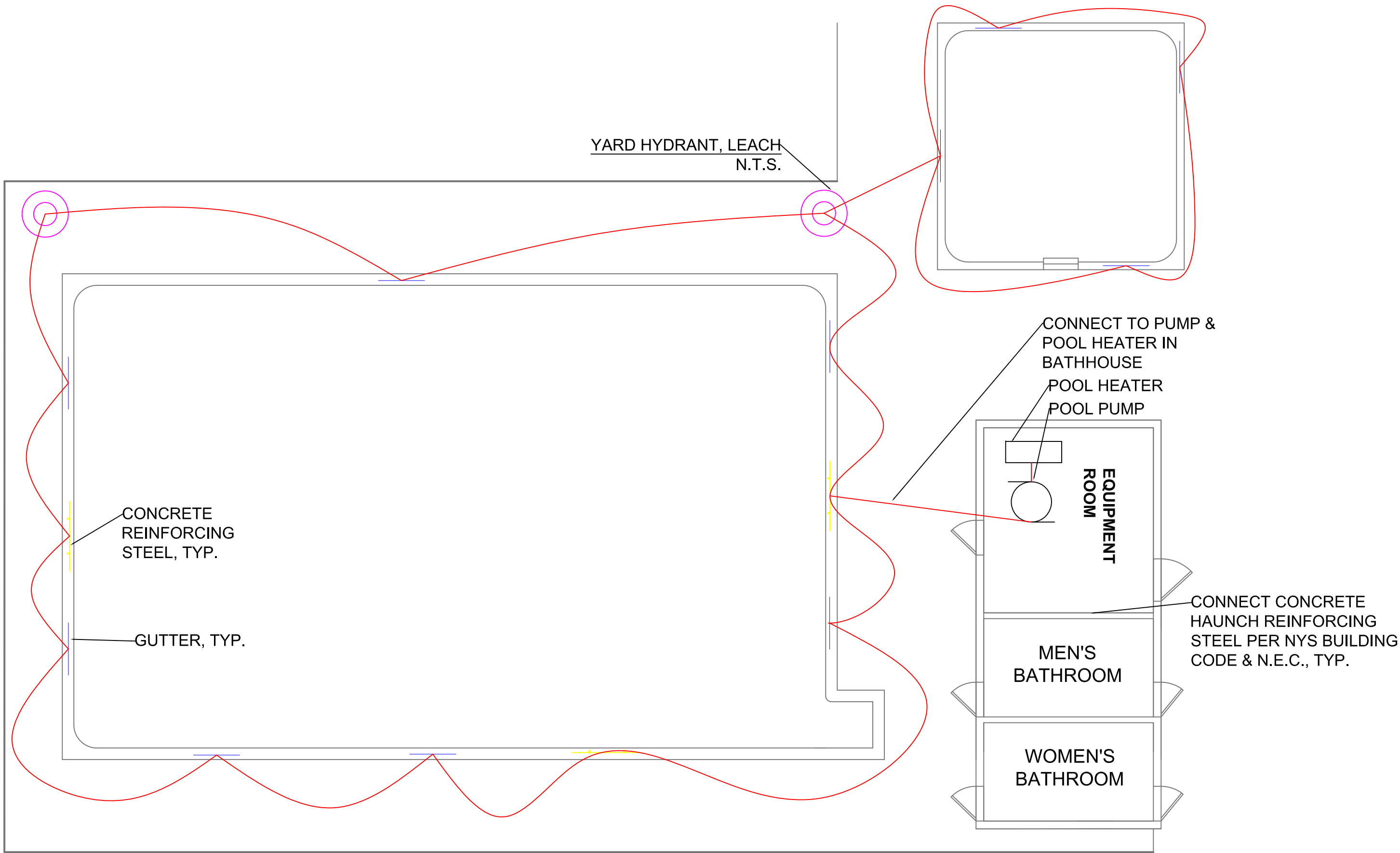
ELECTRIC DISTRIBUTION PANEL				
NO.	QTY.	CAT. NO.	LABEL	DESCRIPTION
(L1)	14		LED LIGHT	VAPOR TYGHT 4 1/8" WIDE x 47 3/8" LT. ECONOLITE E-VV4L04UCW, 48 WATT, TRUSS MOUNTED
(L2-P-3)	1	SQUARE D NQOD442L225CU	POWER PANEL	DISTR. PANEL, 120/240V P CLASS 1630 NEMA 1 ENCL, MAINS RATING: 100 AMPS
(L2)	6		LED	LED BUILDING MOUNTED WALL PACK ON PHOTO CELL

 = DUPLEX ELECTRICAL RECEPTACLE

GFI  = GROUND FAULT INTERRUPT (GFI) CIRCUIT

DISTRIBUTION PANEL LP-1, 120/240 VOLT, 1 PHASE, 3 WIRE, 100 AMP

LOCATION		EQUIPMENT ROOM				
BUILDING		BATH HOUSE - DELHI, NY				
FEEDER SIZE		3 # 3 THHN, W/#8 GND IN 2" CDT.				
CKT NO.	TRIP. AMPS	DESCRIPTION OF LOAD		DESCRIPTION OF LOAD	TRIP, AMPS	CKT. NO.
1	20	WOMEN BRADLEY HAND DRYER		VFD	20	22
2	20	WOMEN BRADLEY HAND DRYER		VFD	20	23
3	20	MEN BRADLEY HAND DRYER		PUMP	20	24
4	20	MEN BRADLEY HAND DRYER		SPARE	20	25
5	20	PUBLIC BATHROOM FANS (WOMEN)		POOL HEATER	20	26
6	20	PUBLIC BATHROOM FANS (MEN)		EQUIPMENT ROOM RECEPTACLE	20	27
7	20	MAN BATHROOM LED LIGHTING		EQUIPMENT ROOM CL2 METER PUMP	20	28
8	20	WOMAN BATHROOM LED LIGHTING		EQUIPMENT ROOM ACID PUMP	20	29
9	20	WOMEN BATHROOM EMERGENCY LITING		SPARE	20	30
10	20	MEN BATHROOM EMERGENCY LITING		SPARE	20	31
11	20	BATHROOM RECEPTACLE		SPARE	20	32
12	20	BATHROOM RECEPTACLE		SPARE	20	33
13	20	SPARE		SPARE	20	34
14	20	BUILDING MOUNTED OUTSIDE RECEPTACLE		BLANK	—	35
15	20	EQUIPMENT ROOM LED LIGHTING		BLANK	—	36
16	20	SPARE		BLANK	—	37
17	20	BLANK		BLANK	—	38
18	20	BLANK		BLANK	—	39
19	20	BLANK		BLANK	—	40
20	20	BLANK		BLANK	—	41
21	20	BLANK		BLANK	—	42



NOTE: ELECTRICAL BONDING PLAN NTS

1. INSTALL PER NEC 2008, SECTION 680.26(C) REQUIREMENTS
2. USE #8 COATED TAILS OF F BOUND LOOP TO EQUIPMENT AND STEEL NOT IMMEDIATELY ADJACENT TO BOND LOOP
3. BOND ALL ANCHORS AT ALL HANDRAILS, GRABBERS, LADDERS, WATER GUTTERS(30' C-C), STANCHIONS, ETC. TYP.
4. PROVIDE OWNER AND G.C. A COPY OF THE CERTIFIED UNDERWRITERS BONDING CERTIFICATE PRIOR TO START UP OF SYSTEM
5. ALL METAL USED IN THE TWO (2) POOLS' CONSTRUCTION SHALL BE BONDED IN ACCORD WITH NECESSARY INCLUDING ALL HANDRAIL, LADDER, GUTTER AND SO FORTH ELECTRICAL INSPECTION & APPROVAL REQUIRED

GENERAL ELECTRICAL NOTES:

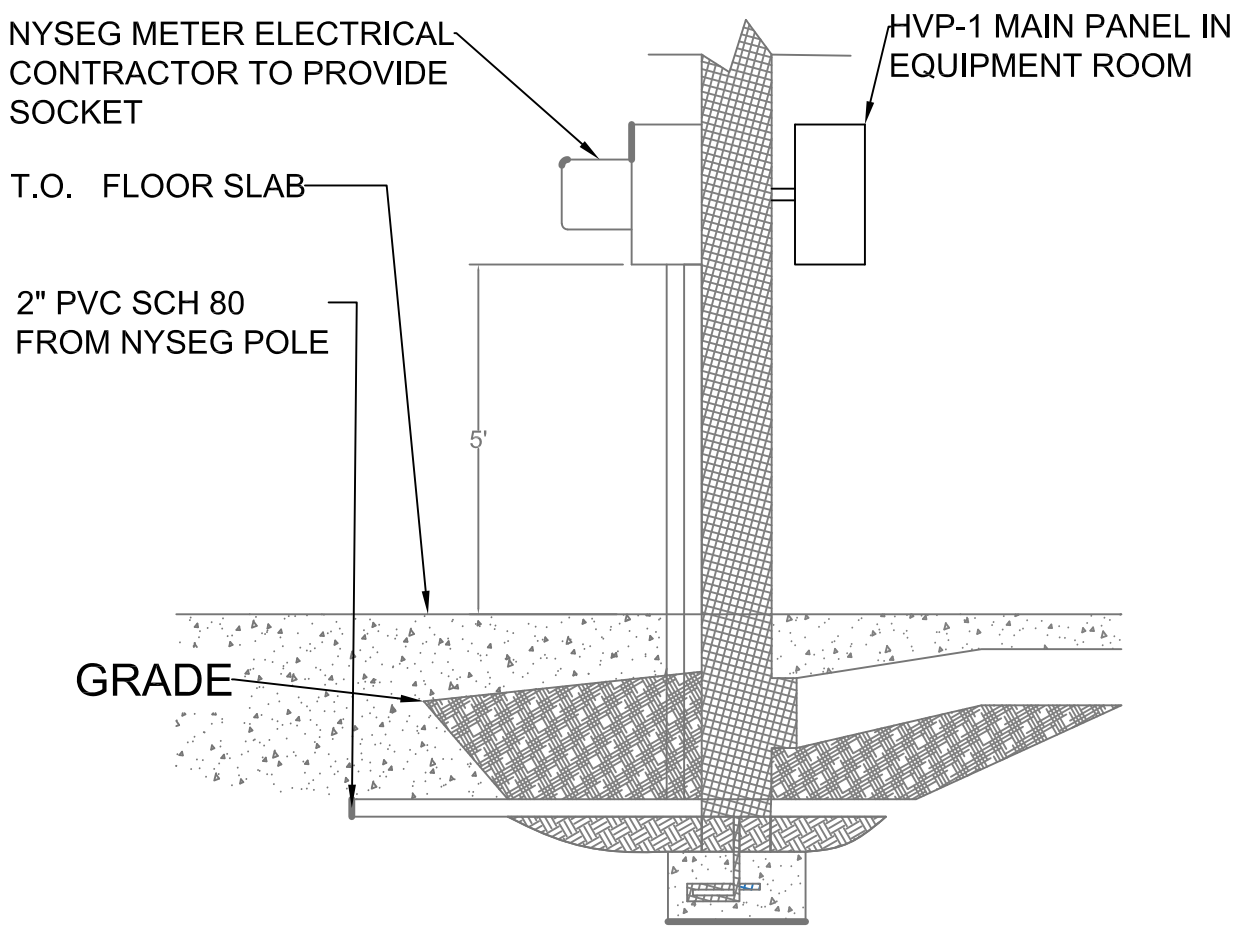
THE ELECTRICAL CONTRACTOR SHALL OBTAIN INFORMATION ABOUT THE EXISTING UNDERGROUND UTILITIES FROM LOCAL AUTHORITY (DELHI VILLAGE) RECORDS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES BY FIELD INVESTIGATION.

THE ELECTRICAL CONTRACTOR SHALL OBTAIN PERMITS FROM ALL FEDERAL, STATE, AND/OR LOCAL PERMIT AUTHORITY HAVING JURISDICTION OVER ANY PHASE OF CONSTRUCTION ASSOCIATED WITH THE INSTALLATION.

THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A NON-HAZARDOUS CONDITION IN ACCORDANCE WITH THE REQUIREMENT OF THE NEW YORK STATE DEPARTMENT OF LABOR, OSHA, AND ALL OTHER AGENCIES HAVING JURISDICTION. UNLESS OTHERWISE APPROVED IN WRITING BY DELHI TOWN, THE CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE FENCING AROUND ALL OPEN EXCAVATION.

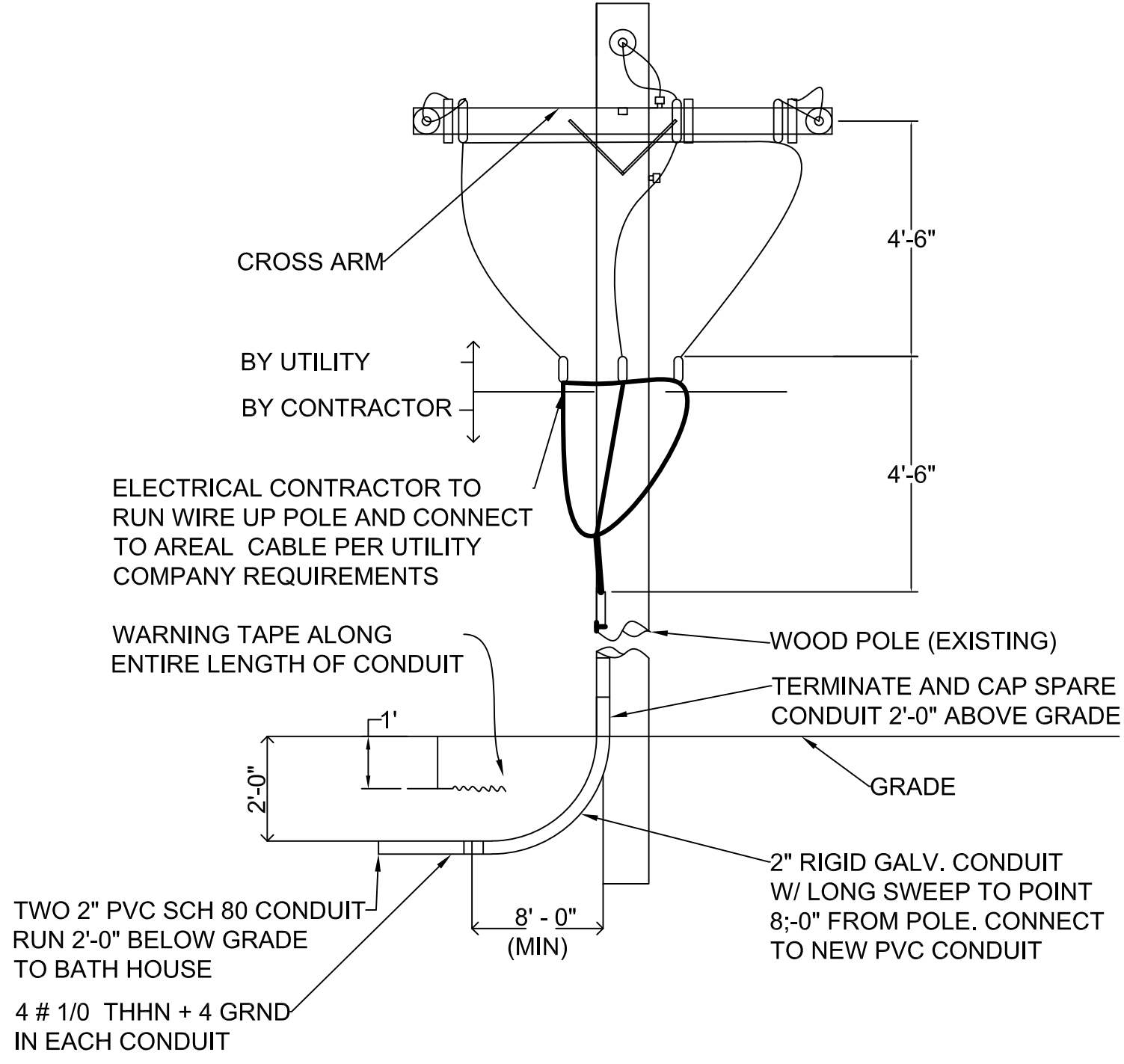
ALL WIRING AND CONDUIT INSTALLATION SHALL CONFORM TO NATIONAL ELECTRIC CODE (NEC) AND LOCAL REQUIREMENTS.

ALL INTERIOR ELECTRICAL CONDUIT SHALL BE EMT FASTENERS SHALL BE OF GALVANIZED STEEL CONSTRUCTION

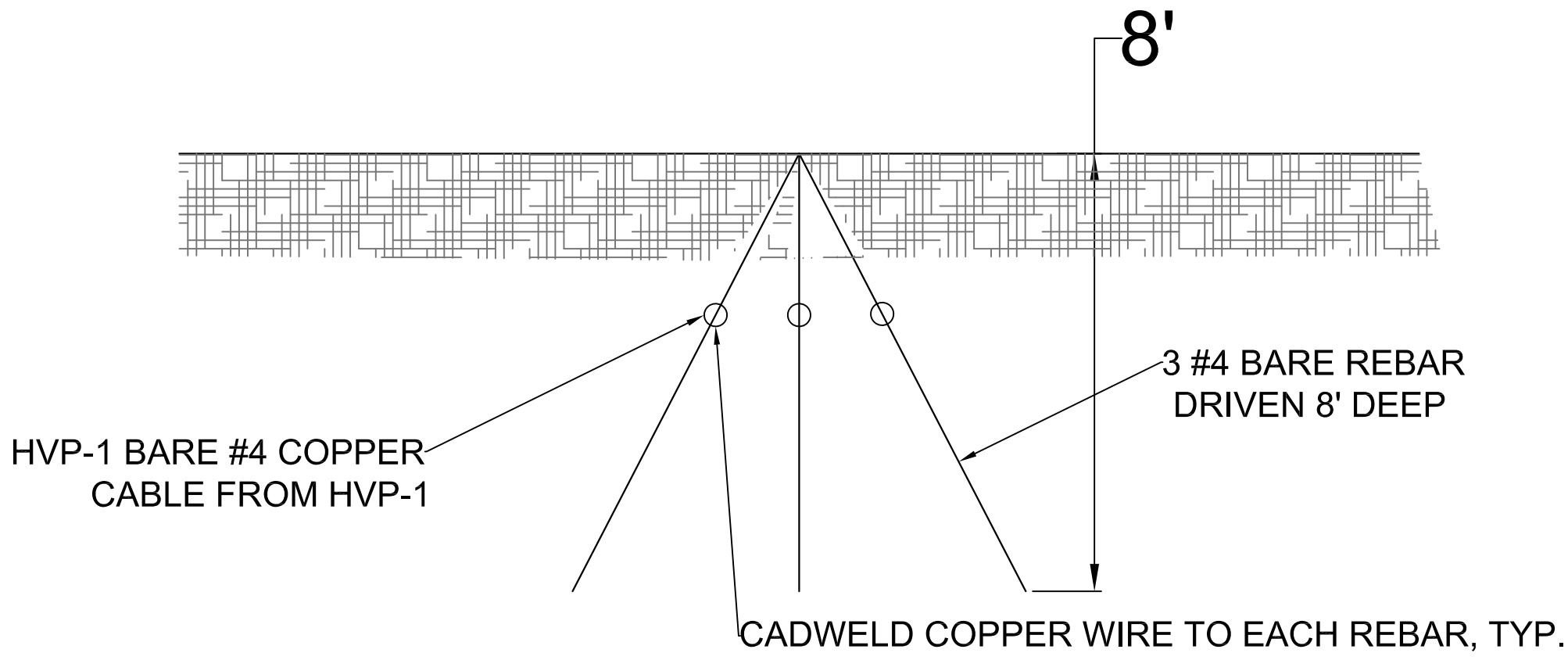


ELEC. METER ELEVATION

- NOTES:
1. POLE IS EXISTING, MODIFY TO CONFORM TO UTILITY COMPANY REQUIREMENTS. DISCONNECT AND REMOVE ABANDONED MATERIALS
 2. PROVIDE 2" RIGID GALVANIZED CONDUIT TO A POINT 8' - 0" BELOW CROSS ARM ON POLE. PROVIDE 90° SWEEP UNDERGROUND AND RUN CONDUIT 8' -0" AT WHICH POINT CONNECT TO PVC CONDUIT. THE REMAINDER OF RUN TO BE 2" PVC SCH 80 ELECTRICAL CONDUIT
 3. PROVIDE ONE SPARE 3" SCH 80 PVC CONDUIT FROM TRANSFORMER TO 2'- 0" UP POLE ABOVE GRADE. CAP ENDS, INSTALL PULL WIRE
 4. CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS TO RUN CONDUIT AND WIRE UP THE POLE AND SECURE TO POLE



UTILITY POLE DETAIL
NOT TO SCALE



ELECTRICAL GROUNDING DETAIL
N.T.S.

* REQUIRED FOR HDPE PIPE WATER SERVICE ONLY. USE 2" COPPER WATER SERVICE FOR ALTERNATE ELECTRICAL GROUND METHOD, INSTALLED BY E.C, CONTRACT E-1 AT P-1 EXPENSE IF HDPE

CLIENT:

TOWN OF DELHI, NEW YORK
5 ELM STREET
DELHI, NEW YORK 13753

SEAL:



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REVISIONS:

NO.	DATE	DESCRIPTION
1.	6/15/2017	BONDING NOTES

PROJECT:

TOWN OF DELHI, NEW YORK
MUNICIPAL SWIMMING POOL
& BATH HOUSE PROJECT

DRAWING TITLE:

ELECTRICAL PLAN & FILTER
ROOM SUB-PANEL SCHEDULE

DATE: 07/27/17

SCALE: AS SHOWN

DRAWN BY: J.X.

REVIEWED BY: R.P.

JOB NO: DT016-001

DRAWING NO:

SECTION NO. /
SHEET NO.

E-2/24