

SITE PLAN

PREPARED FOR

GASLAND PETROLEUM, INC.

FOR A

GAS STATION, CONVENIENCE STORE, & RESIDENTIAL APARTMENTS

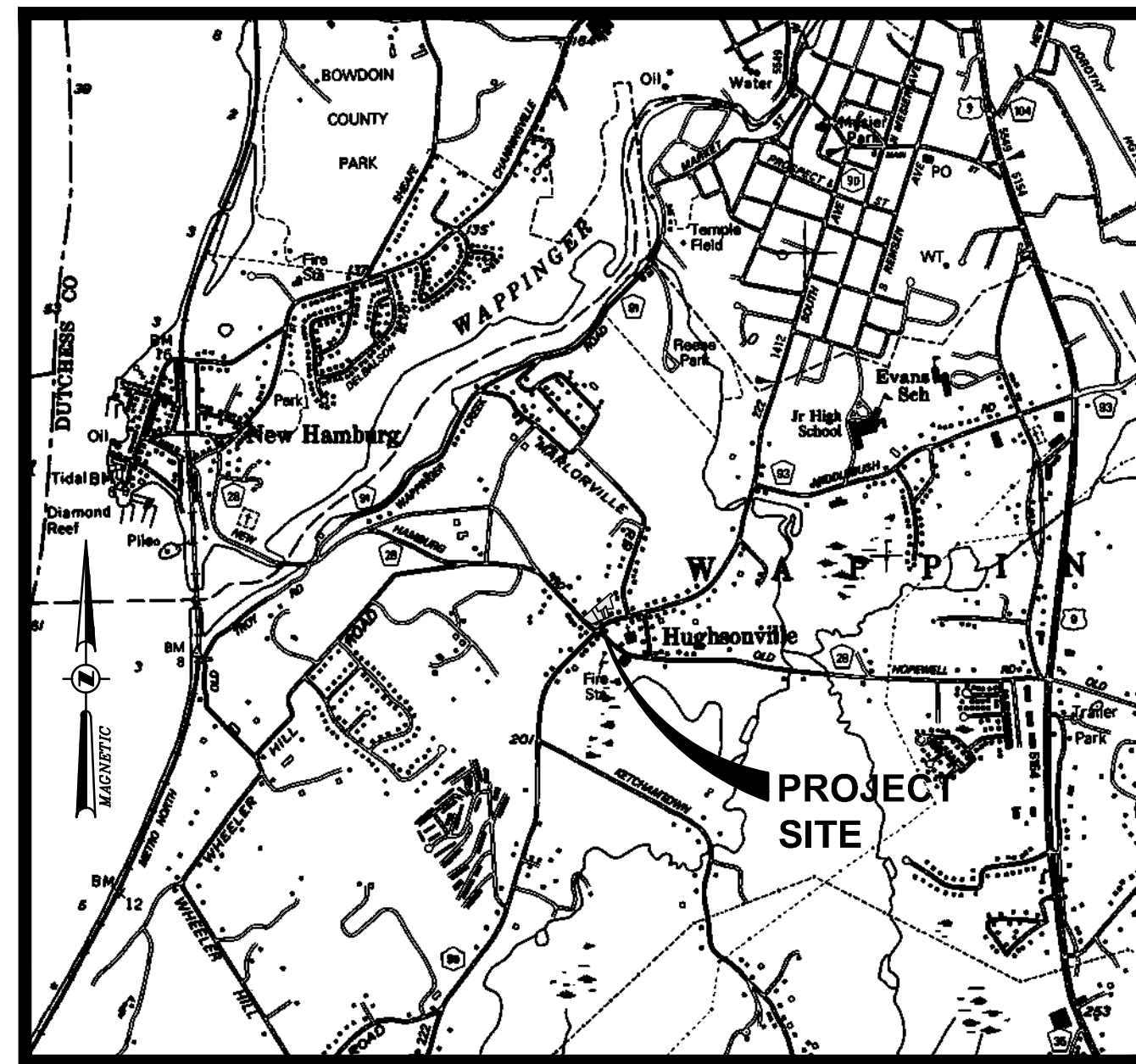
LOCATED AT

N.Y.S. ROUTE 9D

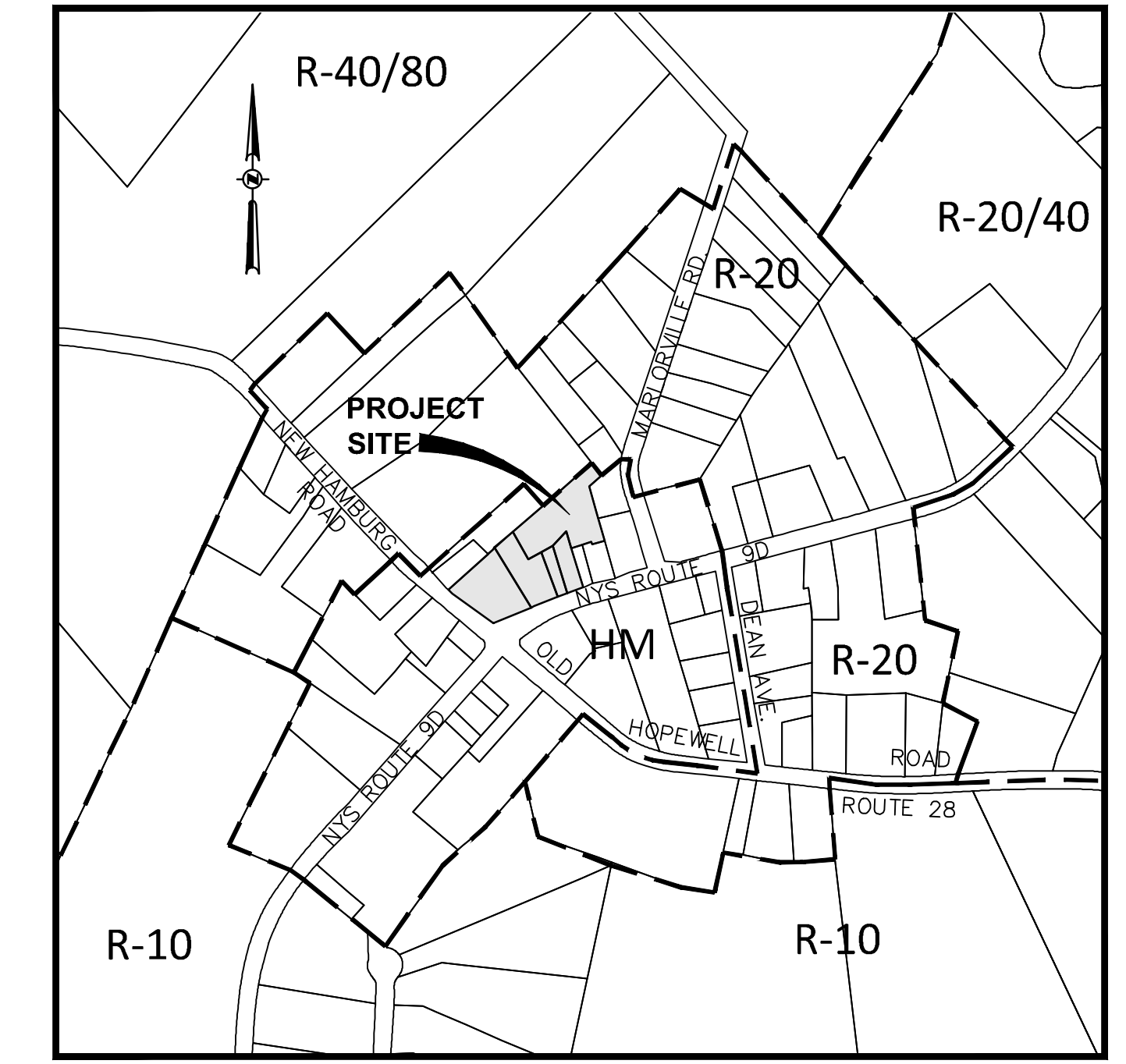
TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

JANUARY 9, 2020

LAST REVISED: FEBRUARY 16, 2021



LOCATION MAP
SCALE: 1"=2000'
SOURCE: USGS QUADRANGLE MAP



VICINITY MAP
SCALE: 1"=400'
MAP SOURCES: DUTCHESS COUNTY PARCEL ACCESS TOWN OF WAPPINGER ZONING MAP

TOWN OF WAPPINGER PLANNING BOARD APPROVAL

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE TOWN OF WAPPINGER, NEW YORK ON THE _____ DAY OF _____ SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION, ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS SITE PLAN AS APPROVED SHALL VOID THIS APPROVAL SIGNED THIS _____ DAY OF _____ BY _____

CHAIRMAN, TOWN PLANNING BOARD

OWNER'S CERTIFICATION NOTE

THE UNDERSIGNED OWNER OR AUTHORIZED REPRESENTATIVE OF THE PROPERTY SHOWN HEREON STATES THAT HE HAS REVIEWED THIS MAP, THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

OWNER OR AUTHORIZED REPRESENTATIVE

DUTCHESS COUNTY HEALTH DEPARTMENT APPROVAL

TOWN OF WAPPINGER - BULK TABLE - ZONING DISTRICT "HM" Hamlet Mixed Use District		
ZONING REQUIREMENT	REQUIRED	PROPOSED
Minimum Lot Area (sq.ft.)	SEE NOTE 1	78,472
Minimum Lot Width (ft.)	50	282+/-
Minimum Lot Depth (ft.)	80	146+/-
Minimum Street Frontage (ft.)	50	456+/-
Yards: (feet)		
Front (From State Hwy)	75	99.0
Side	50 ³	54.0
Rear ⁴	50 ³	56.2
Gasoline Pump	25	61.6
Gasoline Storage Tank	15	22.6
Gasoline Filling Station Canopy	5	51.0
Building Footprint (sq.ft.)	N.A.	3,900
Gasoline Filling Station Canopy (sq.ft.)	N.A.	2,184
Maximum Height	35 feet or 2 1/2 stories	32 feet, 2 stories
Maximum Building Coverage (percent)	25%	5.0%
Maximum Floor Area Ratio	0.5	0.10
Maximum Residential Density	3 dwelling units/ acre (5.4 max)	4 dwelling units
Minimum Livable Floor Area ⁵	500	750+/-
Maximum Impervious Surface (%)	50	42
Minimum Landscaped Open Space (%)	50	58
Minimum Parking Setback (feet) from:		
Front Lot Line (CR, RTE 28)	N.A.	19.6
Side Lot Line	N.A.	34.0
Rear Lot Line (from loading area)	N.A.	13.3
Parking Space Requirements:		
First floor: Retail: 1 sp. for each 150 square feet of gross floor area on the ground floor and 1 for each 250 square feet of gross floor area on other floors	26	26
Second floor: Residential: Multifamily dwelling: 1 for each dwelling unit, plus 1/2 for each bedroom	6	6
Parking space Total:	32	32

NOTES:

- Minimum lot area per one-family dwelling unit equals 25,000 sq. ft., unless served by central sewer or system consistent with the Town water and sewer management plan, in which case the requirement is reduced to 10,000 sq. ft. per one-family dwelling unit.
- Requesting exception per Section 240-21D.
- Yards per Section 240-81.7
- Where a lot abuts land in a residential district, the most restrictive rear yard setback requirement of either district shall govern.
- Livable floor area for multifamily dwelling per Section 240-31.

INDEX OF DRAWINGS					
PAGE NO.	REV	SHEET NO.	DATE	DESCRIPTION	
1	3	G001	02/16/21	TITLE SHEET	
2	2	G002	02/16/21	NOTES AND LEGEND	
3	0	C101	12/20/19	EXISTING CONDITIONS	
4	0	C102	08/03/20	SUBDIVISION PLAN (LOT CONSOLIDATION)*	
5	2	C120	02/16/21	DEMOLITION PLAN	
6	2	C130	02/16/21	SITE PLAN	
7	2	C131	02/16/21	VEHICLE MANEUVERING PLAN	
8	2	C140	02/16/21	GRADING & DRAINAGE PLAN	
9	2	C150	02/16/21	EROSION & SEDIMENT CONTROL PLAN	
10	2	C160	02/16/21	UTILITY PLAN	
11	2	C180	02/16/21	LANDSCAPE PLAN	
12	2	C190	02/16/21	PHOTOMETRIC PLAN	
13	2	C530	02/16/21	SITE DETAILS	
14	2	C540	02/16/21	STORM SEWER DETAILS	
15	3	C541	02/16/21	STORM SEWER DETAILS	
16	2	C550	02/16/21	EROSION & SEDIMENT CONTROL DETAILS AND NOTES	
17	2	C560	02/16/21	WATER DETAILS	
18	2	C570	02/16/21	SUBSURFACE DISPOSAL SYSTEM DETAILS	
19	2	C580	02/16/21	LANDSCAPE DETAILS AND NOTES	

* THIS SHEET TO BE SUBMITTED WITH A FUTURE SUBMISSION.

GENERAL PLAN NOTES:

- THIS SITE PLAN SHALL REQUIRE A LOT CONSOLIDATION OF THE FIVE LOTS LISTED BELOW. PLAN SHALL BE INCLUDED IN A SUBSEQUENT SITE PLAN SUBMISSION.

SITE CIVIL ENGINEER:

CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.
21 FOX STREET, POUGHKEEPSIE, NY 12601
PHONE: (845) 454-3980

APPLICANT:

GASLAND PETROLEUM, INC.
3 SOUTH OHIOVILLE ROAD
NEW PLATZ, NY 12561

RECORD OWNERS:

CHARLES L. CONKLIN
LOT 057642 ACREAGE : 0.20 ACRES
HUGHSONVILLE, NY 12537

HEIDI B. BRYSON
P.O. BOX 219
HUGHSONVILLE, NY 12537

ZONING DESIGNATION:

HM, HAMLET MIXED-USE DISTRICT

SITE AREA:

LOT 048643 ACREAGE : 0.21 ACRES
LOT 057642 ACREAGE : 0.20 ACRES
LOT 057654 ACREAGE : 0.69 ACRES
LOT 059643 ACREAGE : 0.14 ACRES
LOT 040637 ACREAGE : 0.55 ACRES

TOTAL PROJECT ACREAGE : 1.79± ACRES

SITE DATA:

TOWN OF WAPPINGER TAX MAP NUMBER: ADDRESS: OWNER:
SECTION 135689, BLOCK 6157-01, LOT 048643 2361 ROUTE 9D CHARLES L. CONKLIN
SECTION 135689, BLOCK 6157-01, LOT 057642 2363 ROUTE 9D CHARLES L. CONKLIN
SECTION 135689, BLOCK 6157-01, LOT 057654 2357 ROUTE 9D CHARLES L. CONKLIN
SECTION 135689, BLOCK 6157-01, LOT 059643 2365 ROUTE 9D CHARLES L. CONKLIN
SECTION 135689, BLOCK 6157-01, LOT 040637 123-125 NEW HAMBURG RD. HEIDI B. BRYSON

ISSUED FOR SITE PLAN REVIEW

Dig Safely. New York
Call Before You Dig
Wait The Required Time
Confirm Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

Dig Safely. New York
Call Before You Dig
Wait The Required Time
Confirm Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.
The Chazen Companies
"Proud to be Employee Owned"
Civil Engineers
Land Surveyors
Planners
Landscape Architects
Environmental & Safety Professionals
Transportation Planners & Engineers

Office Locations:
Hudson Valley Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone: (845) 454-3980

North Country Office:
20 Elm Street (Suite 110)
Genee Falls, New York 12601
Phone: (518) 812-0513

Capital District Office:
547 River Street
Troy, New York 12180
Phone: (518) 273-0055

Westchester NY Office:
1426 Wiltona Street (Suite 12)
White Plains, New York 10601
Phone: (914) 997-8510

Nashville Tennessee Office:
2416 21st Ave S. (Suite 103)
Nashville, Tennessee 37212
Phone: (615) 380-1359

Chattanooga Tennessee Office:
1426 Wiltona Street (Suite 12)
Chattanooga, Tennessee 37408
Phone: (423) 241-6575

rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

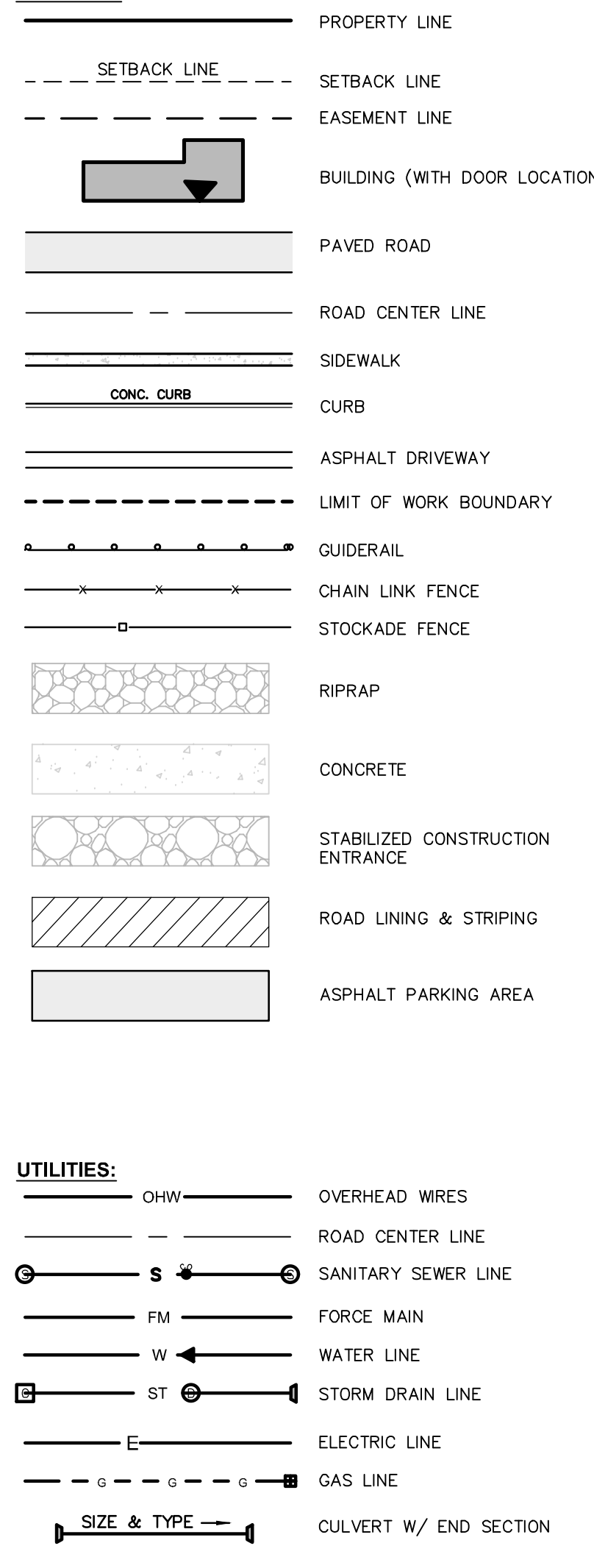
TITLE SHEET

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

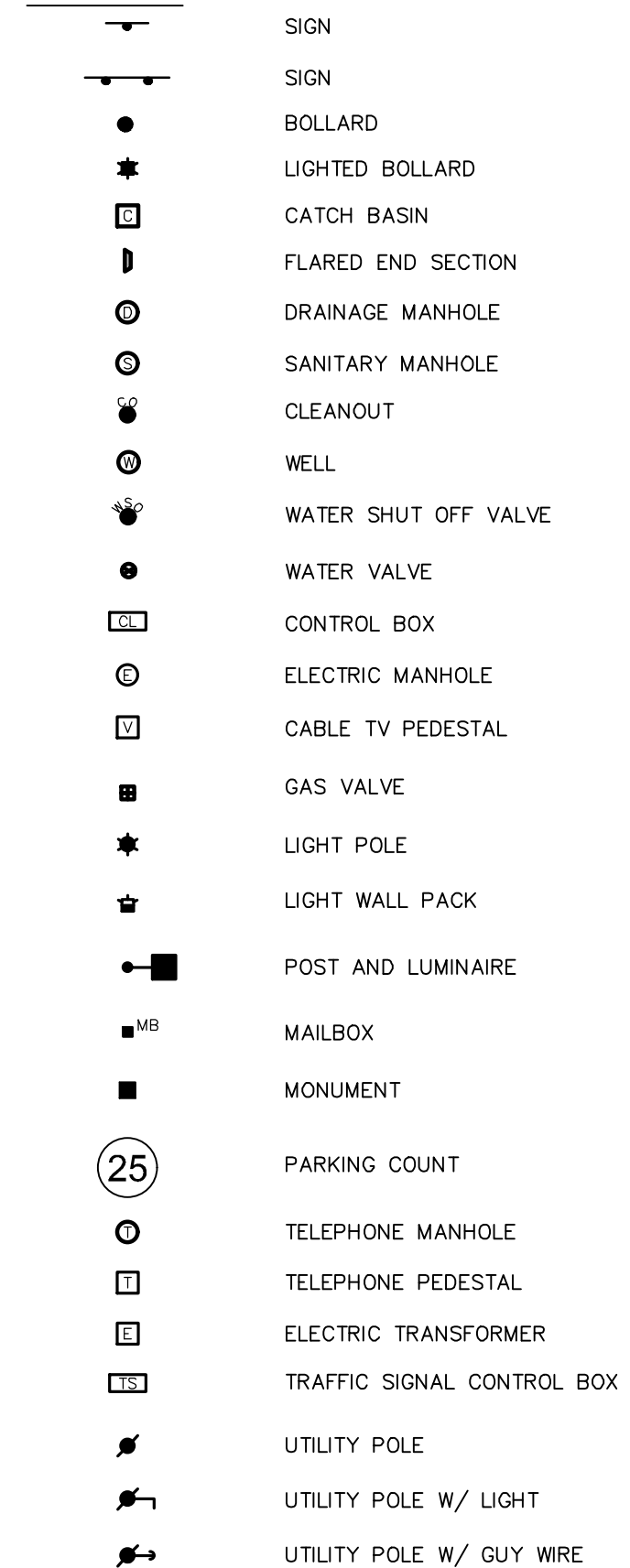
designed	checked
SMD	CPL
date	scale
01/09/20	AS SHOWN
project no.	61941.00
sheet no.	G001

LEGEND:

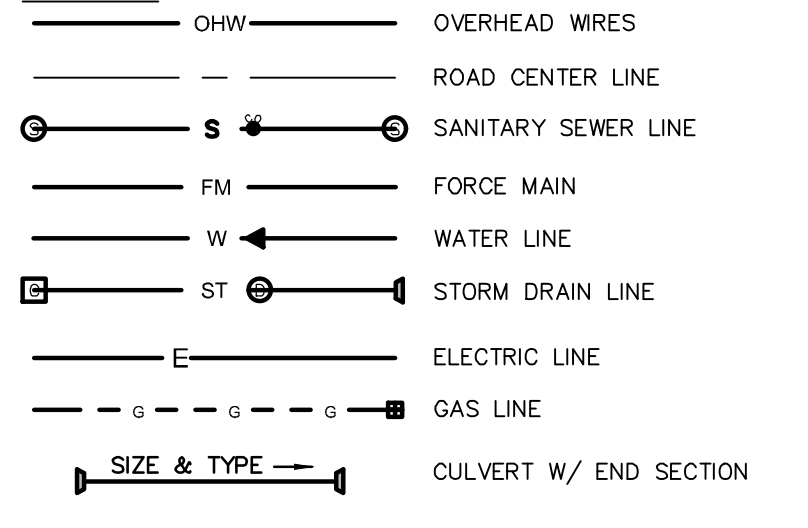
LAYOUT:



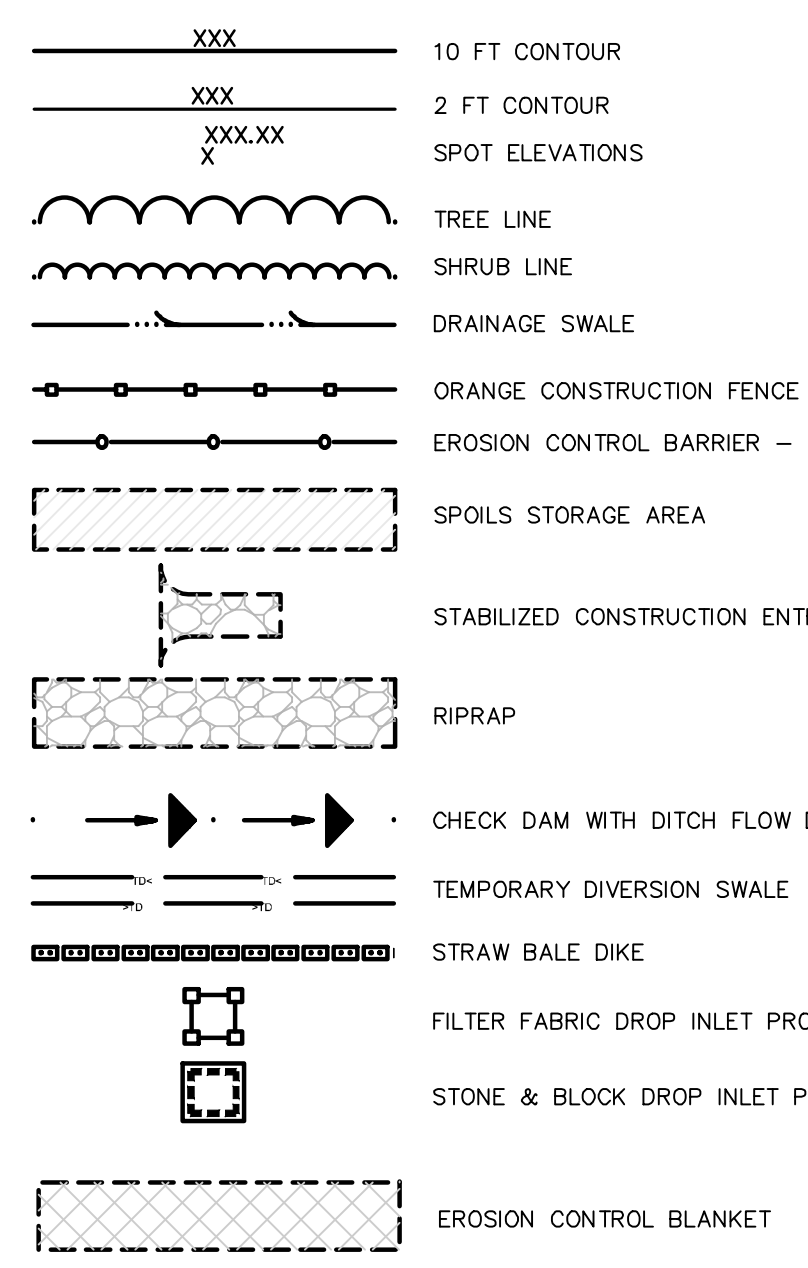
SYMBOLS:



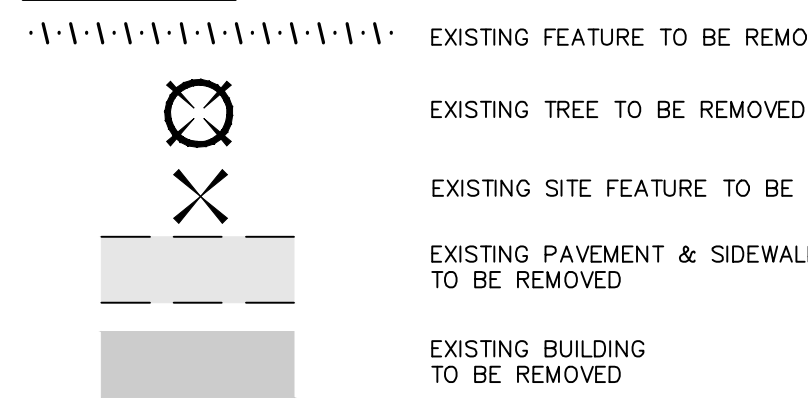
UTILITIES:



GRADING & EROSION CONTROL:



DEMOLITION:



DEMOLITION NOTES:

- 1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
2. BUILDING/STRUCTURE TO BE DEMOLISHED ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE DEMOLISHED AS PART OF THIS WORK.
3. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
4. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
5. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
6. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL UTILITY OUTAGE, OR DISRUPTION.
7. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES.
8. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA.
9. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
10. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
11. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
12. MAINTAIN EGRESS AND ACCESS AT ALL TIMES.
13. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER.
14. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
15. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
16. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
18. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT.
19. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
20. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS.
21. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS.
22. REMOVAL OF ALL ELECTRICAL SERVICE SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
23. REMOVE GAS SERVICE(S) ENTIRELY FROM BUILDING(S) TO MAIN.
24. COORDINATE WITH TOWN OF WAPPINGER, COORDINATE GAS METER SHUT-OFF AND REMOVAL WITH CENTRAL HUDSON GAS & ELECTRIC COMPANY.

WELLS ABANDONMENT NOTES:

- 1. THE ABANDONMENT AND/OR DECOMMISSIONING OF ALL EXISTING WELLS MUST BE IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN ANWA STANDARD A10D.
2. WELLS TO BE ABANDONED SHALL: (a) BE SEALED TO PREVENT UNDESIRABLE EXCHANGE OF WATER FROM ONE AQUIFER TO ANOTHER; (b) BE FILLED WITH SODIUM BENTONITE SLURRY; (c) WHEN FILLING WITH SODIUM BENTONITE SLURRY, THIS MATERIAL SHALL BE APPLIED TO THE WELL HOLE THROUGH A PIPE, TRENCH, OR SALLER.
3. AFTER COMPLETION OF GROUTING PROCEDURE, THE CONTRACTOR SHALL EXCAVATE AROUND THE WELL CASING AND CUT THE CASING TO A DEPTH OF FOUR FEET BELOW EXISTING GRADE.
4. WELLS TO BE ABANDONED SHALL BE CERTIFIED BY A NYS PROFESSIONAL ENGINEER (P.E.).
5. CONTRACTOR SHALL OBTAIN A PERMIT FROM DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH FOR ABANDONMENT OF WELL.

SEWAGE FACILITIES DEMOLITION NOTES:

- 1. CONTRACTOR SHALL LOCATE AND REMOVE ALL COMPONENTS OF THE EXISTING SDDS SERVING BUILDINGS PROPOSED FOR DEMOLITION.
2. SEPTIC TANKS, LEACHING FIELDS, AND OTHER SIMILAR FACILITIES ASSOCIATED WITH THE EXISTING BUILDING SHALL BE PUMPED FREE OF SEPTAGE OR SEWAGE, REMOVED AND THE RESULTING HOLES SHALL BE BACKFILLED IN LIFTS OF COMPACTED SUITABLE FILL MATERIAL.
3. THE ABANDONMENT AND/OR DECOMMISSIONING OF ALL EXISTING SUBSURFACE DISPOSAL SYSTEMS MUST BE IN ACCORDANCE WITH THE PROCEDURES APPROVED BY THE DUTCHESS COUNTY DEPARTMENT OF HEALTH AND CERTIFIED BY A NYS PROFESSIONAL ENGINEER.
4. IF FACILITY REMAINS OPEN DURING DEMOLITION OF SDDS AND INSTALLATION OF NEW SDDS, SEWAGE SHALL BE HELD IN THE SEPTIC TANK AND PUMPED ON A REGULAR BASIS UNTIL THE NEW SYSTEM IS APPROVED BY DCOB.
5. TANKS SHALL BE PUMPED BY A DEC CERTIFIED SEEPAGE HAULER AND ITEMS REMOVED FROM SITE SHALL BE IN ACCORDANCE WITH DEC TRANSPORT AND DISPOSAL REQUIREMENTS.
6. A PROFESSIONAL ENGINEER SHALL CERTIFY TO THE PROPER ABANDONMENT OF THE SDDS AREA TO THE HEALTH DEPARTMENT.

TREE CLEARING:

- 1. TO AVOID ADVERSE IMPACTS TO INDIANA BATS, NORTHERN LONG EARED BATS, AND THE NEED FOR AN INCIDENTAL TAKE PERMIT PURSUANT TO 6 NYCRR PART 182, ALL TREE REMOVAL MUST TAKE PLACE FROM OCTOBER 1ST THROUGH MARCH 31ST.

DUTCHESS COUNTY STANDARDS NOTES FOR NON-RESIDENTIAL SEWAGE:

- 1. THE DESIGN, CONSTRUCTION, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY APPROVED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION, WHICH INCLUDE:
A. "DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS, INTERMEDIATE SIZED SEWAGE FACILITIES"
B. "RECOMMENDED STANDARDS FOR SEWAGE TREATMENT WORKS (TEN STATE STANDARDS)"
C. "NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH POLICIES, PROCEDURES AND STANDARDS"
D. "DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH SANITARY CODE, ARTICLE XI AND ARTICLE XIX"
E. "DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH CERTIFICATE OF APPROVAL LETTER"
2. THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES, AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.
3. UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED, AND CERTIFIED COMPLETE TO THE DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH BY THE NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SUPERVISING CONSTRUCTION.
4. APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF APPROVAL.
5. THE DCOB SHALL BE NOTIFIED PRIOR TO THE BACKFILLING OF ANY COMPLETED SDDS SO THAT A FINAL INSPECTION MAY BE PERFORMED.
6. NO FOOTING OR ROOF DRAINS SHALL BE DISCHARGED INTO THE SEWAGE TREATMENT SYSTEM OR WITHIN 50 FEET OF ANY WELL.
7. THE DCOB SHALL BE NOTIFIED SIXTY DAYS PRIOR TO ANY CHANGE IN USE; USE CHANGES MAY REQUIRE REAPPROVAL BY THE DCOB.
8. THE UNDERGROUND OWNERS OF THE PROPERTY HEREOF STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

ADDITIONAL NOTES FOR COMMERCIAL PROJECTS:

- 1. SEWAGE DISPOSAL SYSTEM IS DESIGNED FOR SANITARY SEWAGE ONLY. NO WASTES FROM RESTAURANTS, TAVERNS, DINERS, PIZZERIAS, FOOD SERVICE ESTABLISHMENTS, BAKERSIES, DOCTORS OFFICES, DENTISTS, HAIR DRESSERS, SALONS, BEAUTY PARLORS, DRY CLEANERS, LAUNDROMATS, LAUNDRIES, PHOTOFINISHERS, METAL PLATERS, OR ANY OTHER PROCESS WASTES ARE ALLOWED.

STANDARD DUTCHESS COUNTY DEPARTMENT OF HEALTH NOTES FOR COMMERCIAL PROJECT (ONSITE WATER SOURCE & SEWAGE DISPOSAL):

- 1. THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:
A. "NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS"
B. "RECOMMENDED STANDARDS FOR WATER WORKS (TEN STATES)"
C. "NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS."
D. "DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES."
E. "DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION CERTIFICATE OF APPROVAL LETTER."
2. THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.
3. UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED, AND CERTIFIED COMPLETE TO THE DCOB BY THE NEW YORK STATE REGISTERED DESIGN PROFESSIONAL SUPERVISING CONSTRUCTION.
4. APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF APPROVAL.
5. ALL WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM EXISTING OR APPROVED WITHIN 300 FEET OF THE PROPOSED WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM AND WELL.
6. IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE DC DSHD FIELD INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERIGHT AND ACCEPTABLE FOR USE.
7. ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.
8. NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE DISCHARGED INTO THE ONSITE WASTEWATER TREATMENT SYSTEM OR WITHIN 50 FEET OF ANY WELL.
9. ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE ONSITE WASTEWATER TREATMENT SYSTEM.

ADDITIONAL NOTES:

- 1. THE BUILDING PERMIT MUST NOTE THAT CONSTRUCTION OF THE SECOND ONE-BEDROOM APARTMENT IS NOT PERMITTED AND SHOULD BE BUILT AS UNFINISHED SPACE.
2. APPROVAL FROM DCOBCH AND TOWN ENGINEER WILL BE REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR THE SECOND ONE-BEDROOM APARTMENT. ADDITIONAL REQUIREMENTS FROM DCOBCH MAY BE NECESSARY.

SITE PLAN NOTES:

GENERAL CONSTRUCTION:

- 1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADERS.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN. AWAY.
4. ALL ARCHITECTURE IS SUBJECT TO PLANNING BOARD REVIEW.
5. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
6. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS.
7. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
9. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
10. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CURBSETS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (AOB).
11. ALL EXISTING WELLS AND SANITARY SEWER LINES SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED.
12. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE. SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAMM AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.
13. THE HOURS OF OPERATION OF THE CONVENIENCE STORE AND GAS STATION SHALL BE LIMITED TO XXXX HOURS.

LAYOUT:

- 1. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWN ON TEST CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS.
3. THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

PAVING:

- 1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE MATERIAL UNLESS IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008.
6. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE.
7. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT.
8. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.

STRIPING:

- 1. STRIPING PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
2. COLOR: DRIVE LANE DIVIDERS - WHITE OR BLUE
NO PARKING ZONE WARNINGS - WHITE OR BLUE
PARKING DIVIDERS - WHITE OR BLUE
WALKING LINES - WHITE OR BLUE
HANDICAP PARKING LINES & SYMBOL - BLUE

TESTING GRAVITY SEWER SYSTEM:

- 1. CONTRACTOR SHALL INSPECT AND TEST THE INSTALLATIONS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION WHEN WORK IS READY FOR TESTING.
2. THE CONTRACTOR SHALL TEST AND INSPECT FOR ALIGNMENT OF ALL SANITARY SEWERS.
3. EACH MANHOLE-TO-MANHOLE SECTION SHALL BE REJECTED OR ACCEPTED BASED ONLY ON RESULTS OF ITS OWN INDIVIDUAL SECTION TEST AND NOT ON RESULTS OF ANY ONE TEST RUN SIMULTANEOUSLY OVER MORE THAN ONE CONSECUTIVE MANHOLE-TO-MANHOLE SECTION.
4. LOW PRESSURE AIR TESTING SHALL BE PERFORMED UNDER DIRECTION OF ENGINEER ACCORDING TO ASTM F1417.
5. AN AIR TEST SHALL NOT BE RUN UNTIL SECTION OF LINE TO BE TESTED HAS BEEN CLEANED OF ALL FOREIGN MATERIAL BY FLUSHING AND HAS BEEN VISUALLY INSPECTED AND APPROVED BY THE ENGINEER.
6. WHERE FLEXIBLE PIPE IS USED, CONTRACTOR SHALL TEST ALL MAINLINE PIPE FOR MAXIMUM ALLOWABLE DEFLECTION OF 5% OF OUTSIDE DIAMETER.
7. SEWERS SHALL BE LAID WITH STRAIGHT ALIGNMENT BETWEEN MANHOLES.
8. MANHOLES, WHICH CANNOT BE PROPERLY AIR TESTED, SHOULD BE VISUALLY INSPECTED AND LEAKAGE-TESTED USING INTERNAL OR EXTERNAL HYDROSTATIC PRESSURE.
9. IN AREAS WHERE CONVENTIONAL TESTING IS IMPRACTICAL, (I.E. AREAS DESIGNATED BY ENGINEER WHERE EXISTING SERVICES ARE TIED INTO NEW LINE IMMEDIATELY AND ANY BLOCKAGE COULD RESULT IN HEALTH PROBLEMS) NO LINES SHALL BE BACKFILLED UNTIL EACH PIPE SECTION AND CONNECTION IS INSPECTED AND APPROVED.
10. WHERE SEWERS ARE CONSTRUCTED OF PRESSURE-RATED PIPE AND INSTALLED WITH LESS THAN 18 INCHES VERTICAL SEPARATION FROM EXISTING OR PROPOSED WATER MAINS, SEWERS SHALL BE HYDROSTATICALLY TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS.
11. IF THE ALLOWABLE RATE OF AIR LEAKAGE IS EXCEEDED, THE CONTRACTOR SHALL LOCATE POINTS OF EXCESSIVE LEAKAGE AND SHALL PROMPTLY CORRECT, REPAIR, AND BRING SYSTEM UP TO THE STANDARD.
12. SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244. A VACUUM OF 10 INCHES OF HG SHOULD BE DRAWN ON THE MANHOLE AFTER ALL HOLES ARE PLUGGED, AND INLETS/OUTLETS ARE TEMPORARILY PLUGGED AND SECURED.

LANDSCAPING NOTES:

- 1. SEE SHEET CS80 FOR ALL LANDSCAPING NOTES.

UTILITY PLAN NOTES:

GENERAL CONSTRUCTION:

- 1. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY.
2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST TO (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN.
4. ALL PROPOSED UTILITIES SHALL TERMINATE 5 FEET FROM ANY PROPOSED BUILDING FACE.
5. ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED.
6. ALL GRAVITY SANITARY SEWER SHALL BE SDR 35 PVC UNLESS OTHERWISE SPECIFIED.
7. ALL WATER PIPES LESS THAN, OR EQUAL TO, 2- INCHES SHALL BE K-COPPER UNLESS OTHERWISE SPECIFIED.
8. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION.
9. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
10. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED.
11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION OF THE WORK.
12. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.
14. IF ROCK REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

GRADING NOTES:

- 1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BLASTING OPERATIONS WILL ADHERE TO NEW YORK STATE AND LOCAL AUTHORITY ORDINANCES GOVERNING THE USE OF EXPLOSIVES.
4. STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS.
5. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.
7. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
8. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER.

Dig Safely. New York. Call Before You Dig. 800-962-7962

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C. IS PROHIBITED.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. Office Locations: Hudson Valley, Troy, Nashville, Chattanooga, North Country.

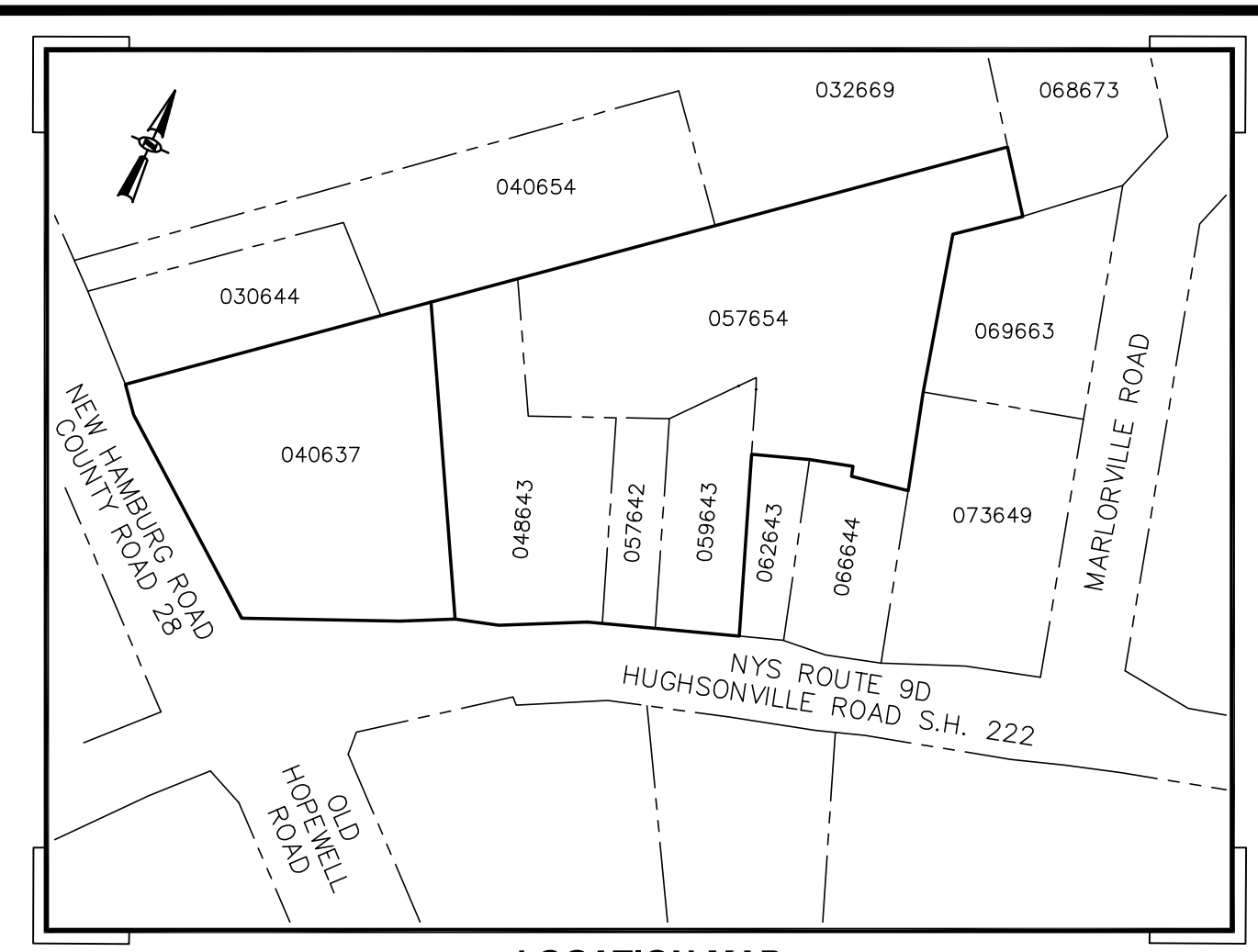
CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. Office Locations: Hudson Valley, Troy, Nashville, Chattanooga, North Country.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. Office Locations: Hudson Valley, Troy, Nashville, Chattanooga, North Country.

Table with 3 columns: rev., date, description. Includes entries for general revisions and revised layout.

GASLAND PETROLEUM, INC.- NYS RTE 9D/CB 28 -TOWN OF WAPPINGER. NOTES AND LEGEND. TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK.

ISSUED FOR SITE PLAN REVIEW. G002. SHEET NO. 81941.00



LOCATION MAP
SCALE: 1"=100'

LEGEND:

EXISTING CONDITIONS:

	PROPERTY LINE NO PHYSICAL BOUNDARIES
	ADJACENT PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING PROPERTY EASEMENT
	EXISTING BUILDING
	EXISTING CURB
	EXISTING GRAVEL DRIVEWAY
	EXISTING GUIDRAIL
	EXISTING FENCE
	EXISTING STONE WALL
	EXISTING TREE LINE
	EXISTING LANDSCAPE LINE
	EXISTING HEDGE LINE
	EXISTING OVERHEAD WIRES
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING UNDERGROUND COMMUNICATIONS LINE
	EXISTING UNKNOWN UNDERGROUND LINE
	EXISTING UNDERGROUND STORM LINE
	EXISTING SIGN
	EXISTING MILE MARKER
	EXISTING MAILBOX
	EXISTING FENCE POST
	EXISTING MONUMENT
	EXISTING IRON PIPE FOUND
	EXISTING IRON ROD FOUND
	EXISTING MAGNETIC NAIL FOUND
	EXISTING SPIKE FOUND
	EXISTING BENCHMARK
	EXISTING CLEANOUT
	EXISTING CATCH BASIN
	EXISTING ELECTRIC METER
	EXISTING GUY WIRE
	EXISTING UTILITY POLE
	EXISTING UTILITY POLE W/ LIGHT
	EXISTING LIGHT POLE
	EXISTING AIR CONDITION COMPRESSOR
	EXISTING ANTENNA
	EXISTING GAS METER
	EXISTING WELL
	EXISTING HYDRANT
	EXISTING TRAFFIC SIGNAL CONTROL BOX
	EXISTING TRAFFIC SIGNAL POLE
	EXISTING TELEPHONE MANHOLE
	EXISTING UNKNOWN MANHOLE
	EXISTING MONITORING WELL
	EXISTING UTILITY VALVE
	EXISTING VALVE BOX
	EXISTING VENT
	EXISTING SPOT GRADE BOTTOM CURB
	EXISTING SPOT GRADE TOP CURB
	EXISTING RIM ELEVATION
	EXISTING INVERT ELEVATION
	EXISTING SPOT GRADE

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW AND IS CONSIDERED A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SURVEYED WITHOUT THE BENEFIT OF A TITLE SEARCH.

SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

COPYRIGHT CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. ALL RIGHTS RESERVED.

SUBSURFACE STRUCTURES NOT VISIBLE OR READILY APPARENT ARE NOT SHOWN AND THEIR LOCATION AND EXTENT ARE NOT CERTIFIED.

NORTH ORIENTATION IS PER NEW YORK STATE PLANE EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) AS ESTABLISHED BY GNSS OBSERVATIONS DATED 10/03/2019. BEARINGS SHOWN ARE REFERENCED TO THIS DATUM AND THEREFORE MAY NOT MATCH RECORDED BEARINGS.

BUILDINGS SHOWN HEREON SERVED BY UNDERGROUND UTILITIES.

SUBJECT TO THE INTEREST OF OTHERS IN AND TO THAT PORTION OF NEW HAMBURG ROAD AND HUGHSONVILLE ROAD USED FOR ROAD PURPOSES.

TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM A FIELD SURVEY COMPLETED NOVEMBER 27, 2019 (ROUTE 9D & TAX LOTS 048643, 057642, 057654 & 059643) AND DECEMBER 8, 2020 (TAX LOT 040637) BY CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. DATUM NAVD-88, 1 FOOT CONTOUR INTERVAL.

VERTICAL DATUM BASED UPON NAVD-88 AS ESTABLISHED BY GNSS OBSERVATIONS DATED 10/03/2019.

UNDERGROUND UTILITIES SHOWN HEREON ARE THE RESULT OF AN UNDERGROUND UTILITY DESIGNATION COMPLETED BY THE CHAZEN COMPANIES ON OCTOBER 14, 2019, IN COORDINATION WITH DIG SAFELY NEW YORK AND FROM DATA OBTAINED FROM RECORD MAPS AND DRAWINGS. CHAZEN'S UTILITY DESIGNATION WAS COMPLETED IN ACCORDANCE WITH THE STANDARD PROCEDURES SET FORTH IN ASCE 38-02. ALL ABOVE GROUND STRUCTURES, SURFACE FEATURES AND THE LOCATION OF THE MARK OUT ARE THE RESULT OF AN INSTRUMENT SURVEY COMPLETED BY CHAZEN UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES AND DIG SAFELY NEW YORK MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION OR CONSTRUCTION.

THE CONTRACTOR SHALL COMPLY WITH NEW YORK STATE INDUSTRIAL CODE RULE 753 - 48 HOURS PRIOR TO DIGGING CALL DIGSAFELY NEW YORK 1-800-962-7962 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.



RECORD WATER LINE NOTE:

THE "RECORD WATER" LINE SHOWN HEREON WITHIN OLD HOPEWELL ROAD - NEW HAMBURG ROAD IS AS SCALDED FROM A CERTAIN MAP ENTITLED "UNITED WATER DISTRICT WATER MAIN EXTENSION TO WAPPINGER TOWN OF WAPPINGER, DUTCHESS COUNTY, NY, PROJECT RECORD DRAWING" FILE NO. W21215, DRAWING NO. AB-3, DATED 8/20/12, PREPARED BY MORRIS ASSOCIATES, PLLC ENGINEERING CONSULTANTS.

DONOVAN ACCESS NOTE:

WHILE CONDUCTING THIS SURVEY, CHAZEN STAFF WAS APPROACHED BY AN OCCUPANT OF TAX PARCEL 6157-01-082643, WHO STATED THAT HE, FROM TIME TO TIME, WILL DRIVE HIS VEHICLE ACROSS THE DIVISION LINE BETWEEN HIS LOT ONTO THE EXISTING ASPHALT DRIVE ON THE SUBJECT PARCEL AND SUGGESTED THAT HE HAS RIGHTS TO DO SO. NO RECORDED DOCUMENT OF SAID RIGHTS WERE FOUND DURING OUR DEED RESEARCH.

FLOOD ZONE NOTE:

PARCELS HEREON ARE SHOWN TO LIE WITHIN "OTHER AREAS ZONE X" ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF WAPPINGER, IDENTIFIED AS MAP NUMBER 3602700458C BEARING AN EFFECTIVE DATE OF MAY 2, 2012.

MAP REFERENCES:

- REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "SURVEY MAP PREPARED FOR CHARLES L. CONKLIN (55817) PREPARED BY ROBERT D. KALAKA, L.S., DATED DECEMBER 18, 1995, (MAP SUPPLIED BY THE CLIENT).
- REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "SURVEY MAP PREPARED FOR CHARLES L. CONKLIN (55827) PREPARED BY ROBERT D. KALAKA, L.S., DATED DECEMBER 18, 1995, (MAP SUPPLIED BY THE CLIENT).
- REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "MAP OF SURVEY OF LANDS TO BE CONVEYED TO SHIRLEY MARKOWSKI" PREPARED BY RICHARD BARGER, DATED AUGUST 23, 1983 AND LAST REVISED OCTOBER 5, 1985, (MAP SUPPLIED BY THE CLIENT).
- REFERENCE IS HEREBY MADE TO THE FOLLOWING NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) ACQUISITION MAPS FOR HUGHSONVILLE S.H. NO. 222 DUTCHESS COUNTY, UNDER PIN 8327.06: MAP 49 PARCEL 60, MAP 50 PARCEL 61, MAP 51 PARCEL 62, MAP 52 PARCEL 63, MAP 53 PARCEL 64, MAP 54 PARCEL 65, MAP 55 PARCEL 66, MAP 56 PARCEL 67 DATED JANUARY 12, 1982 AND MAP 56 PARCEL 67 DATED JANUARY 12, 1983.
- REFERENCE IS HEREBY MADE TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) MAP ENTITLED "S.H. 222, ROUTE 9D, KETCHAMTOWN ROAD NORTH TO VILLAGE LINE, TN. OF WAPPINGER, DUT. CO." SHEET NOS. 6, 8 & 9 PROVIDED BY NYSDOT REGION B.

DEED REFERENCES:

- TAX LOT 6157-01-048643 & 6157-01-057642; ANTHONY J. DISCIPLO AND LORI B. DISCIPLO TO CHARLES CONKLIN, DATED DECEMBER 26, 1995 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON MAY 1, 1996 IN LIBER 1979 OF DEEDS AT PAGE 36.
- TAX LOT 6157-01-057654; C. VERA WARD TO CHARLES L. CONKLIN, DATED DECEMBER 26, 1995 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON MAY 1, 1996 IN LIBER 1979 OF DEEDS AT PAGE 35.
- TAX LOT 6157-01-059643; ANTHONY J. DISCIPLO AND LORI B. DISCIPLO TO CHARLES CONKLIN, DATED JULY 7, 2000 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON JULY 14, 2000 AS DEED DOCUMENT 02-2000-6172.
- TAX LOT 6157-01-040637; STRUCTURAL INTEGRITY, LLC TO HEIDI B. BRYSON, DATED FEBRUARY 3, 2011 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON FEBRUARY 10, 2011 AS DEED DOCUMENT 02-2011-674.
- EASEMENT AND RIGHT-OF-WAY FOR WATER MAIN FROM HEIDI B. BRYSON TO TOWN OF WAPPINGER BY AND ON BEHALF OF THE UNITED WAPPINGER WATER DISTRICT ("UWWD") AN ADMINISTRATIVE UNIT OF THE TOWN OF WAPPINGER, DATED JANUARY 24, 2013 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON FEBRUARY 9, 2013 AS DOCUMENT NO. 02-2013-919.

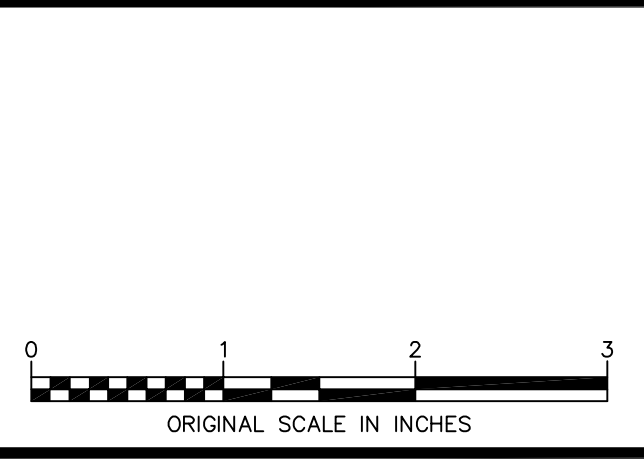
LOT AREA:

TAX PARCEL 1 THRU 4 OF 5: = 1.245 AC.
TAX PARCEL 040637 (5 OF 5): = 0.557 AC.
TOTAL AREA: = 1.802 AC.

TAX PARCEL DESIGNATION:

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

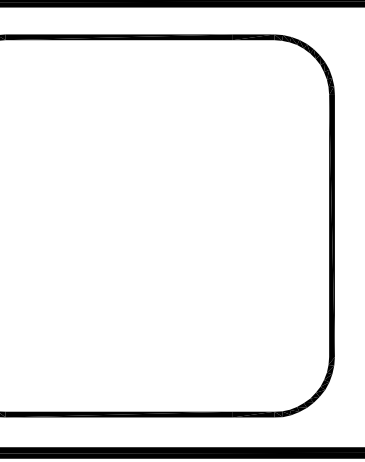
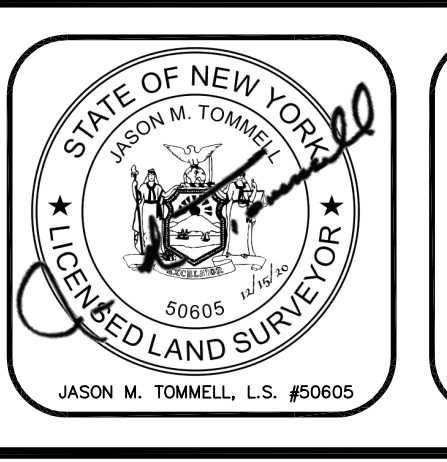
- OF 5: 6157-01-048643
- OF 5: 6157-01-057642
- OF 5: 6157-01-057654
- OF 5: 6157-01-059643
- OF 5: 6157-01-040637



ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS PREPARED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS PREPARED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED REGION PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT, LANDSCAPE ARCHITECT OR GEOLOGIST. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NUMBER ALTERED IS FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED NOVEMBER 27, 2019 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.



CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.

Office Locations:

- Glens Falls, NY
- Troy, NY
- Poughkeepsie, NY
- White Plains, NY
- New York City, NY

Hudson Valley Office:
21 Fox Street
Poughkeepsie, New York 12601

www.chazencompanies.com
888.839.9073

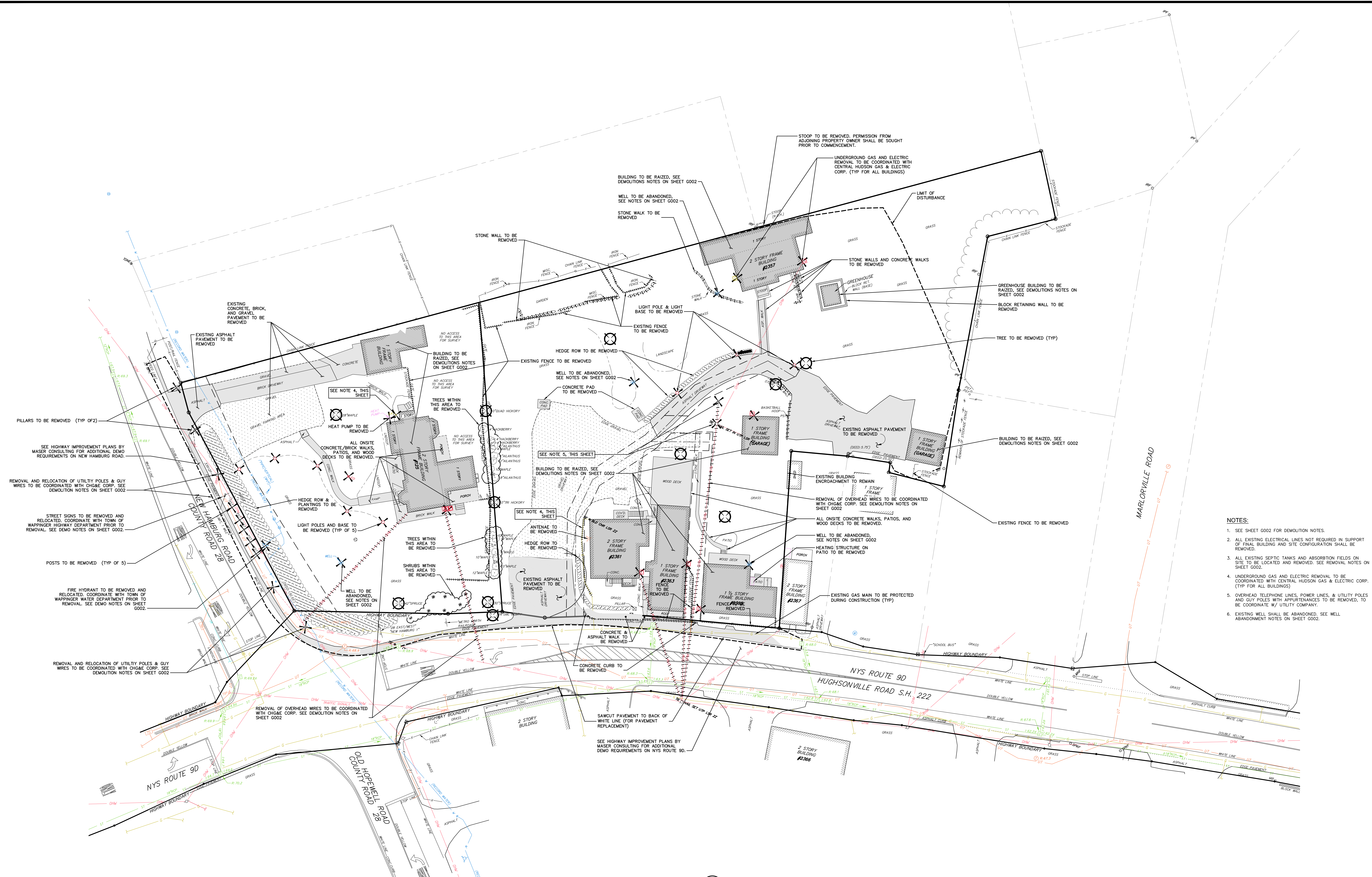
rev.	date	description
1	12/15/2020	ADDED TAX PARCEL 6157-01-040637 TO SURVEY
2	09/22/2020	ADDED RECORD WATER MAIN OLD HOPEWELL ROAD - NEW HAMBURG ROAD

GAS LAND ROUTE 9D WAPPINGER

EXISTING CONDITIONS

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
CJS	JMT
date	scale
12/20/19	1"=20'
project no.	
81941.00	
sheet no.	
C101	



- NOTES:**
- SEE SHEET G002 FOR DEMOLITION NOTES.
 - ALL EXISTING ELECTRICAL LINES NOT REQUIRED IN SUPPORT OF FINAL BUILDING AND SITE CONFIGURATION SHALL BE REMOVED.
 - ALL EXISTING SEPTIC TANKS AND ABSORPTION FIELDS ON SITE TO BE LOCATED AND REMOVED. SEE REMOVAL NOTES ON SHEET G002.
 - UNDERGROUND GAS AND ELECTRIC REMOVAL TO BE COORDINATED WITH CENTRAL HUDSON GAS & ELECTRIC CORP. (TYP FOR ALL BUILDINGS).
 - OVERHEAD TELEPHONE LINES, POWER LINES, & UTILITY POLES AND GUY POLES WITH APPURTENANCES TO BE REMOVED, TO BE COORDINATE W/ UTILITY COMPANY.
 - EXISTING WELL SHALL BE ABANDONED. SEE WELL ABANDONMENT NOTES ON SHEET G002.

1 DEMOLITION PLAN
 C120 SCALE: 1"=20'

ISSUED FOR SITE PLAN REVIEW

Dig Safely, New York
 Call Before You Dig
 Wait The Required Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
 800-962-7962
 www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THE DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. WELL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.
 IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies
 Proud to be Employee-Owned

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Westchester NY Office: 20 Elm Street (Suite 110), Greenvale, New York 12601, Phone: (518) 812-0513
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

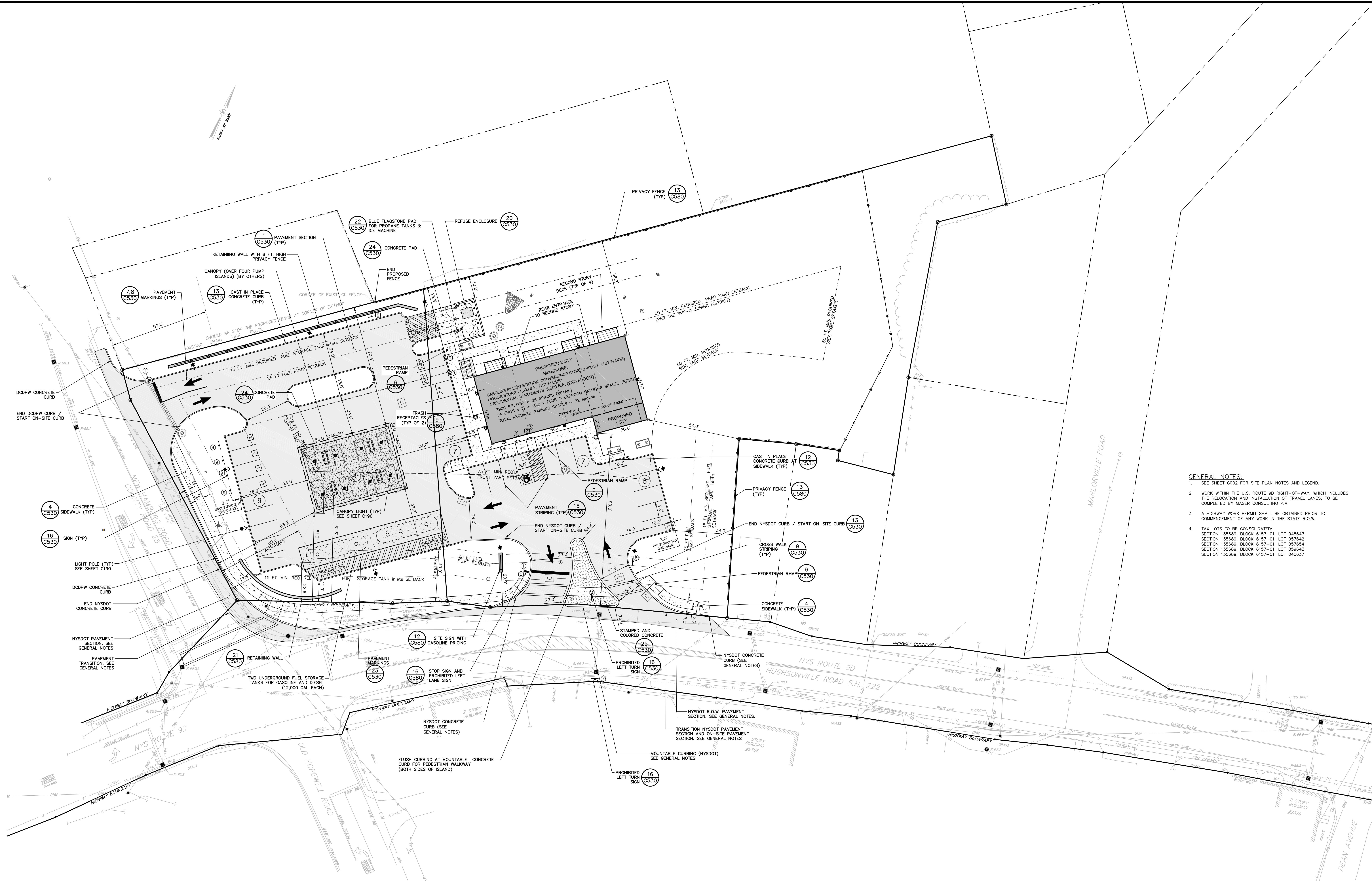
rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED.
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/2020	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

DEMOLITION PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SMD/RC	CPL
date: 01/09/20	scale: 1"=20'
project no.: 81941.00	sheet no.: C120



- GENERAL NOTES:**
- SEE SHEET 0002 FOR SITE PLAN NOTES AND LEGEND.
 - WORK WITHIN THE U.S. ROUTE 9D RIGHT-OF-WAY, WHICH INCLUDES THE RELOCATION AND INSTALLATION OF TRAVEL LANES, TO BE COMPLETED BY MASER CONSULTING P.A.
 - A HIGHWAY WORK PERMIT SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY WORK IN THE STATE R.O.W.
 - TAX LOTS TO BE CONSOLIDATED:
 SECTION 135689, BLOCK 6157-01, LOT 048643
 SECTION 135689, BLOCK 6157-01, LOT 057642
 SECTION 135689, BLOCK 6157-01, LOT 057654
 SECTION 135689, BLOCK 6157-01, LOT 059643
 SECTION 135689, BLOCK 6157-01, LOT 040637

1 SITE PLAN
SCALE: 1"=20'

ISSUED FOR SITE PLAN REVIEW

Dig Safely New York
 Call Before You Dig
 Mark The Required Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
800-962-7962
 www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL APPLY TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601. Phone: (845) 454-3980
- North Country Office: 29 Elm Street (Suite 110), Oneida, New York 13620. Phone: (518) 812-0513
- Digital District Office: 547 River Street, Troy, New York 12180. Phone: (518) 273-0055
- Westchester NY Office: 20 Elm Street (Suite 803), White Plains, New York 10601. Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212. Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408. Phone: (423) 241-6575

rev.	date	description
3	02/16/21	GENERAL REVISIONS. REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED.
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS.
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS.

GASLAND PETROLEUM, INC. - NYS RTE 9D/CR 28 - TOWN OF WAPPINGER

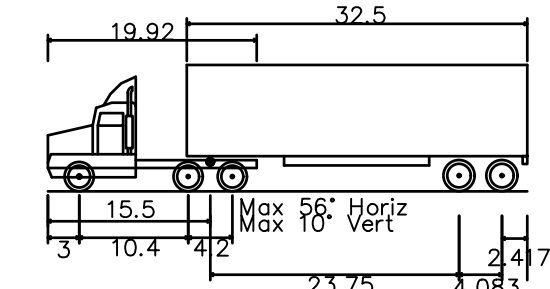
SITE PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

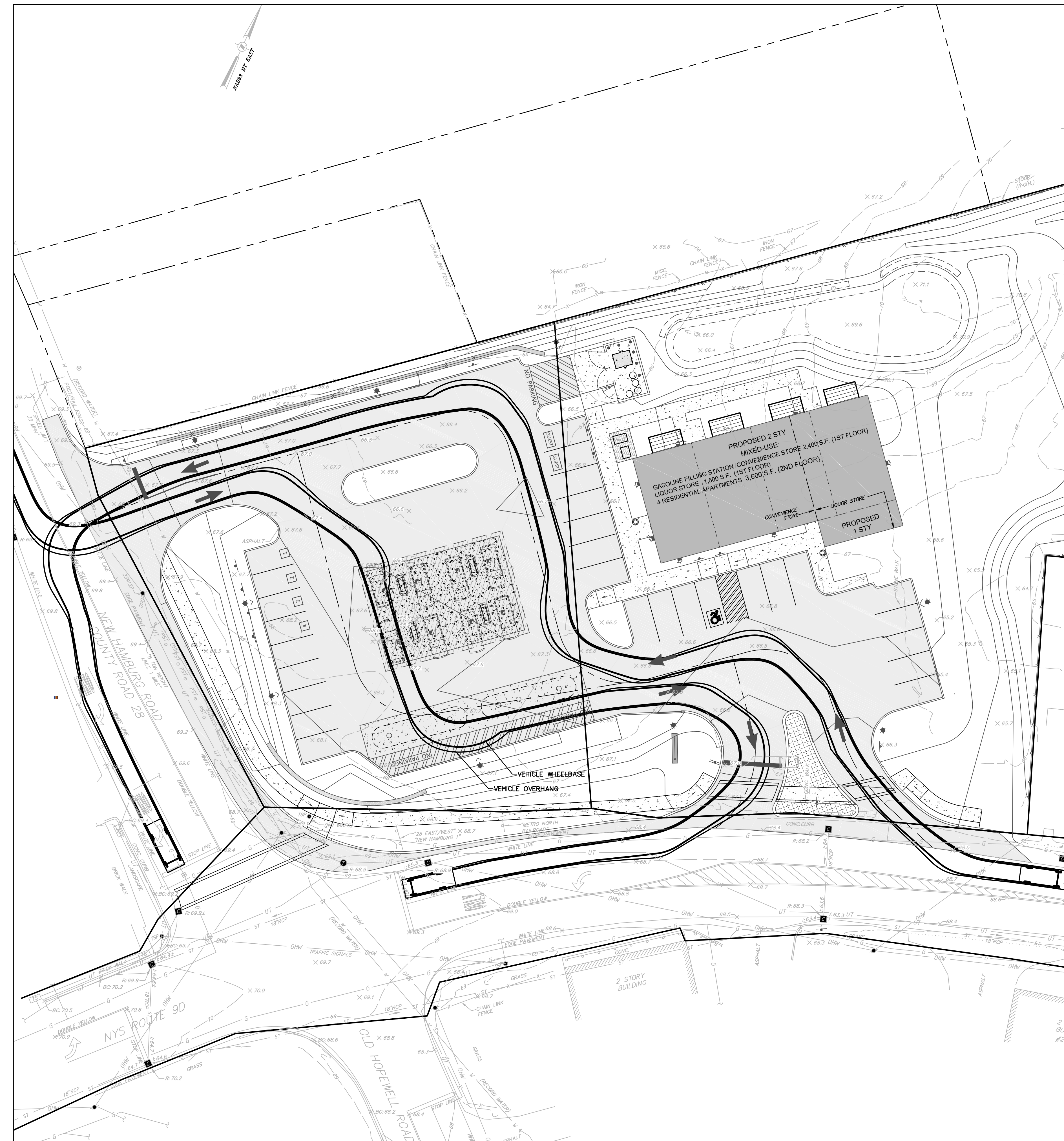
designed	checked
SMD/RC	CPL
date	scale
01/09/20	1"=20'
project no.	
81941.00	
sheet no.	
C130	



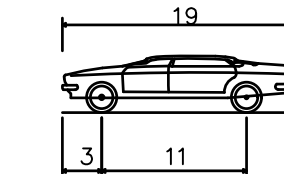
1 FUEL DELIVERY TRUCK VEHICLE MANUEVERING PLAN
SCALE: 1"=20'



Custom Truck
Overall Length 45.750ft
Overall Width 8.500ft
Overall Body Height 12.052ft
Min Body Ground Clearance 1.334ft
Max Track Width 8.500ft
Lock-to-lock time 8.500s
Max Steering Angle (Virtual) 17.90°



2 PASSENGER VEHICLE MANUEVERING PLAN
SCALE: 1"=20'



P - Passenger Car
Overall Length 19.000ft
Overall Width 7.000ft
Overall Body Height 4.300ft
Min Body Ground Clearance 1.115ft
Track Width 6.000ft
Lock-to-lock time 4.00s
Max Steering Angle (Virtual) 31.60°

Dig Safely. New York
Call Before You Dig
Mark the Required Time
Confirm Utility Response
Respect the Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THE DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies
Providing to our Employees: Civil Engineers, Land Surveyors, Planners, Landscape Architects, Transportation Planners & Engineers

Office Locations:
 Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
 North Country Office: 20 Elm Street (Suite 110), Queens Falls, New York 12601, Phone: (518) 812-0513
 Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
 Westchester NY Office: 1 North Broadway, Suite 803, White Plains, New York 10601, Phone: (914) 997-8510
 Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
 Chattanooga Tennessee Office: 1426 Wilma Street (Suite 112), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

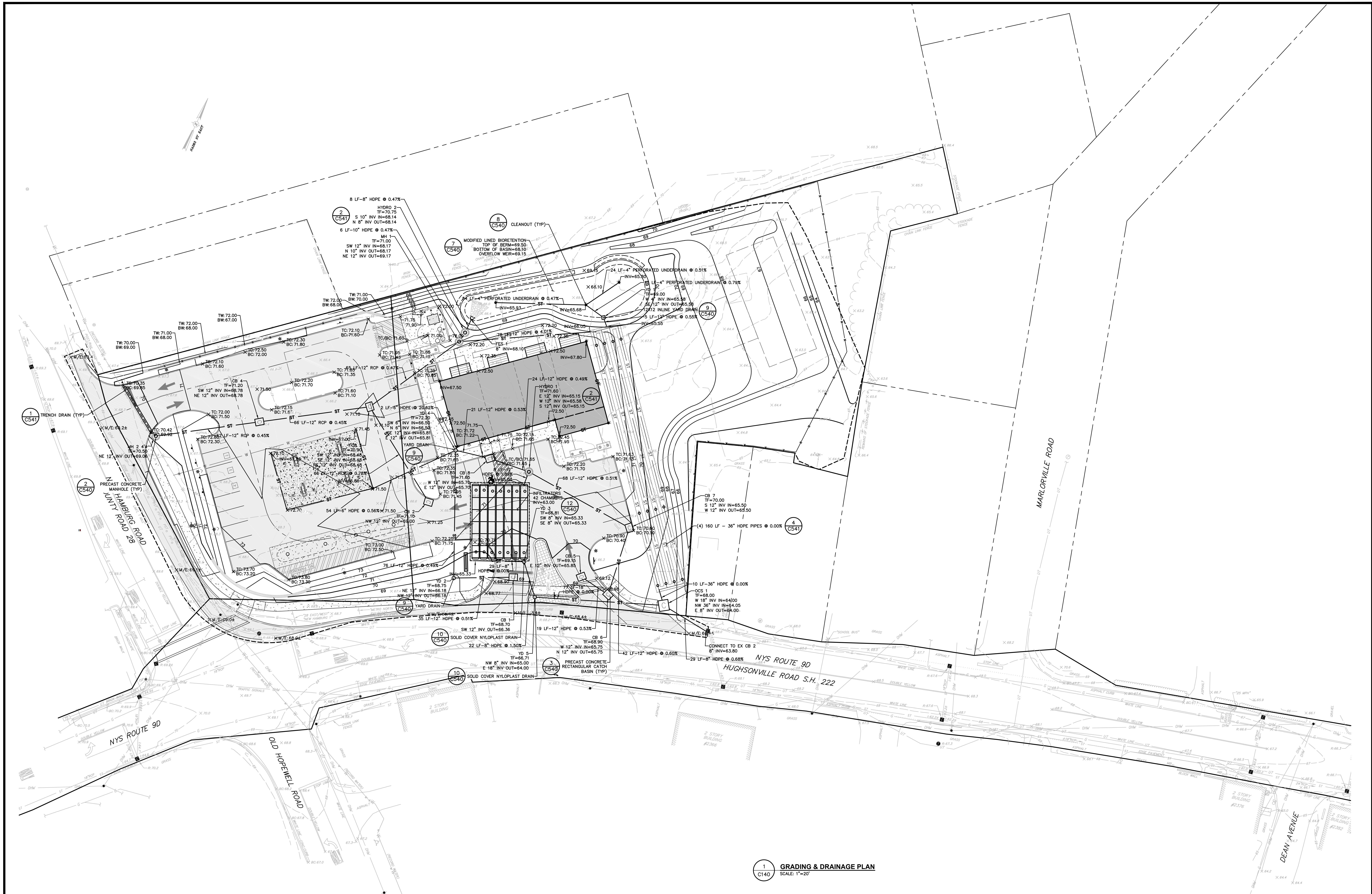
rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/2020	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

VEHICLE MANUEVERING PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SMD/RC	CPL
date	scale
01/09/20	1"=20'
project no.	
81941.00	
sheet no.	
C131	



1 GRADING & DRAINAGE PLAN
SCALE: 1"=20'

ISSUED FOR SITE PLAN REVIEW

Dig Safely, New York
 Call Before You Dig
 Mark the Required Time
 Confirm Utility Response
 Respect the Marks
 Dig With Care
800-962-7962
 www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., L.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE A SUBSTITUTE FOR ANY OTHER DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. IT IS THE USER'S SOLE RESPONSIBILITY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED HEREON. CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., L.P.C. IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING OR DOCUMENT. IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies
 Founded by an Employee-Owned

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601. Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Queens Falls, New York 12601. Phone: (518) 812-0513
- Digital District Office: 547 River Street, Troy, New York 12180. Phone: (518) 273-0055
- Westchester NY Office: 29 Elm Street (Suite 110), White Plains, New York 10601. Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212. Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408. Phone: (423) 241-6575

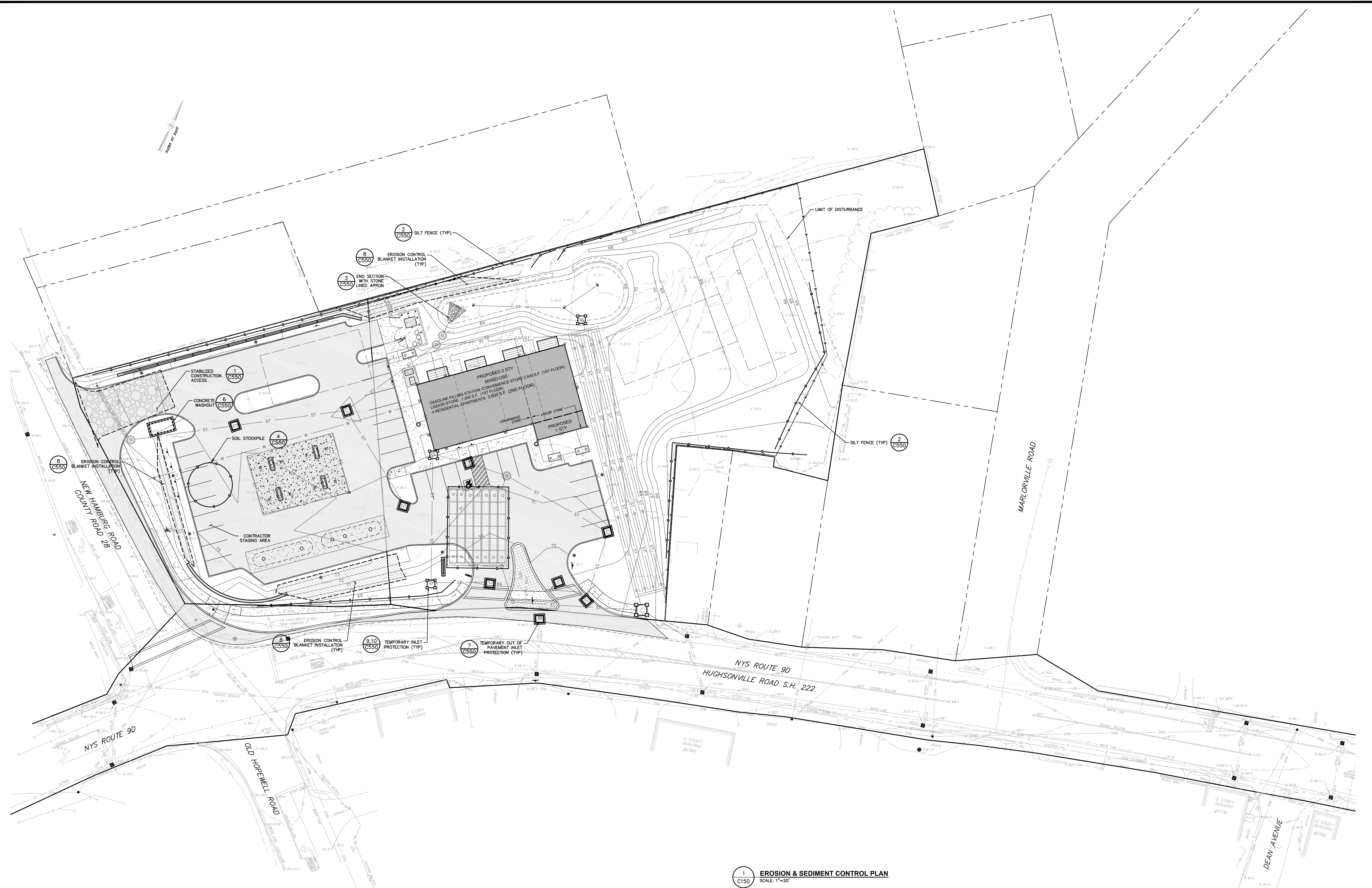
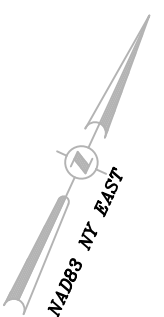
rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC. - NYS RTE 9D/CR 28 - TOWN OF WAPPINGER

GRADING & DRAINAGE PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SPL	CPL
date	scale
01/09/20	1"=20'
project no.	81941.00
sheet no.	C140



1 EROSION & SEDIMENT CONTROL PLAN
SCALE: 1"=20'

ISSUED FOR SITE PLAN REVIEW

Dig Safely New York
Call Before You Dig
Mark The Required Time
Confirm Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C. IS PROHIBITED. THE DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED, AND NO LIABILITY WILL BE INCURRED FOR ANY SUCH OTHER APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.
The Chazen Companies
Provided to our Employees Only
Civil Engineers
Land Surveyors
Planners
Landscape Architects
Environmental & Safety Professionals
Transportation Planners & Engineers

Office Locations:
Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
North Country Office: 20 Elm Street (Suite 110), Oneida, New York 13621, Phone: (518) 812-0513
Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
Westchester NY Office: 1 North Broadway, Suite 803, White Plains, New York 10601, Phone: (914) 997-8510
Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
Chattanooga Tennessee Office: 1426 Wilma Street (Suite 102), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

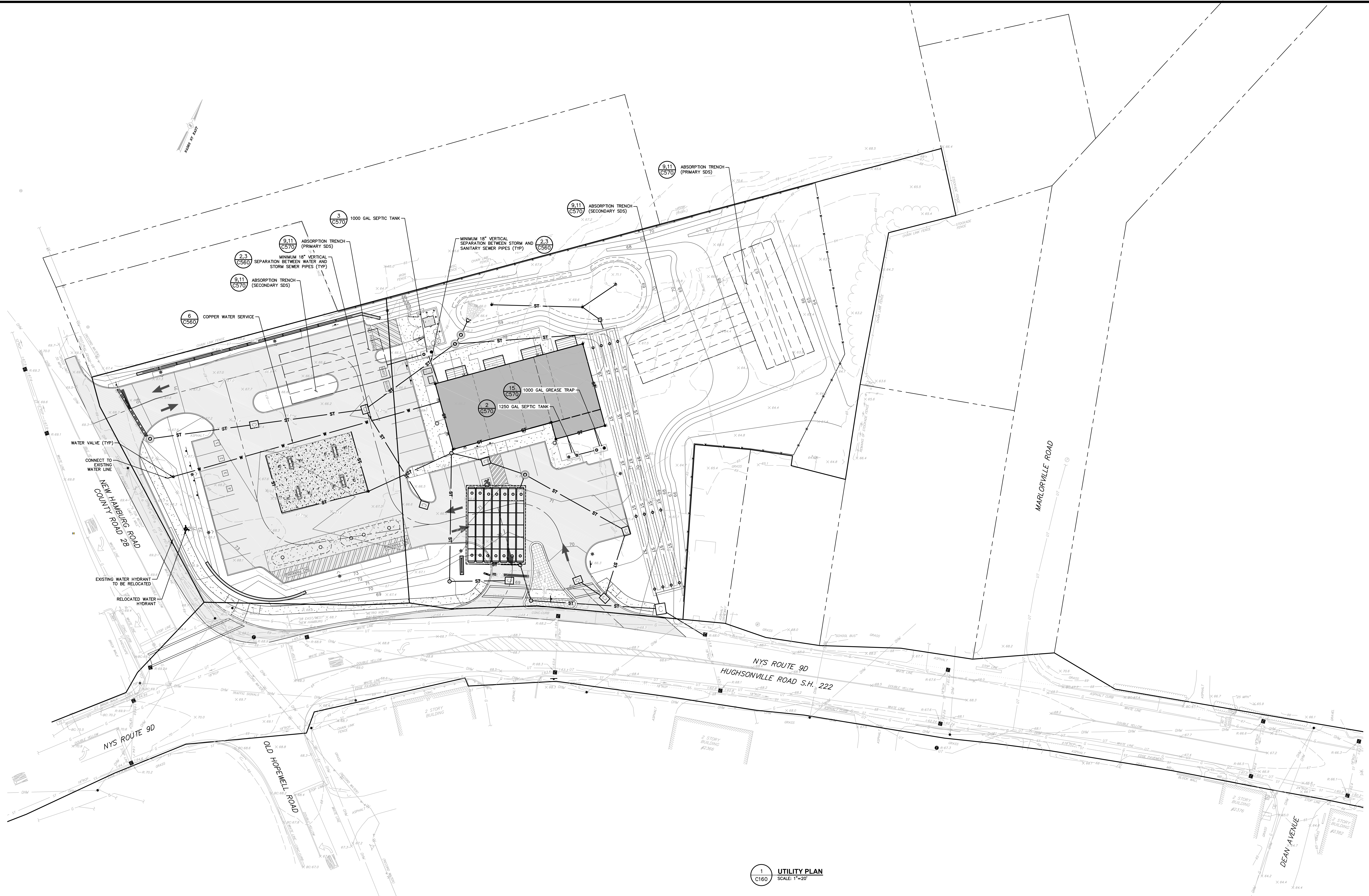
rev.	date	description
3	02/16/21	GENERAL REVISIONS, AND REVISED LAYOUT
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/2020	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC. - NYS RTE 9D/CR 28 - TOWN OF WAPPINGER

EROSION & SEDIMENT CONTROL PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SPL	CPL
01/09/20	11/20
scale	1"=20'
project no.	81941.00
sheet no.	C150



1 UTILITY PLAN
C160 SCALE: 1"=20'

ISSUED FOR SITE PLAN REVIEW

Dig Safely New York
 Call Before You Dig
 Wait The Required Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
800-962-7962
 www.digsafelyny.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL APPLY TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

The Chazen Companies
 Founded by an Employee-Owned
 Civil Engineers
 Land Surveyors
 Planners
 Environmental & Safety Professionals
 Landscape Architects
 Transportation Planners & Engineers

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 29 Elm Street (Suite 110), Glens Falls, New York 12061, Phone: (518) 812-0513
- Digital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Westchester NY Office: 1 North Broadway, Suite 803, White Plains, New York 10601, Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

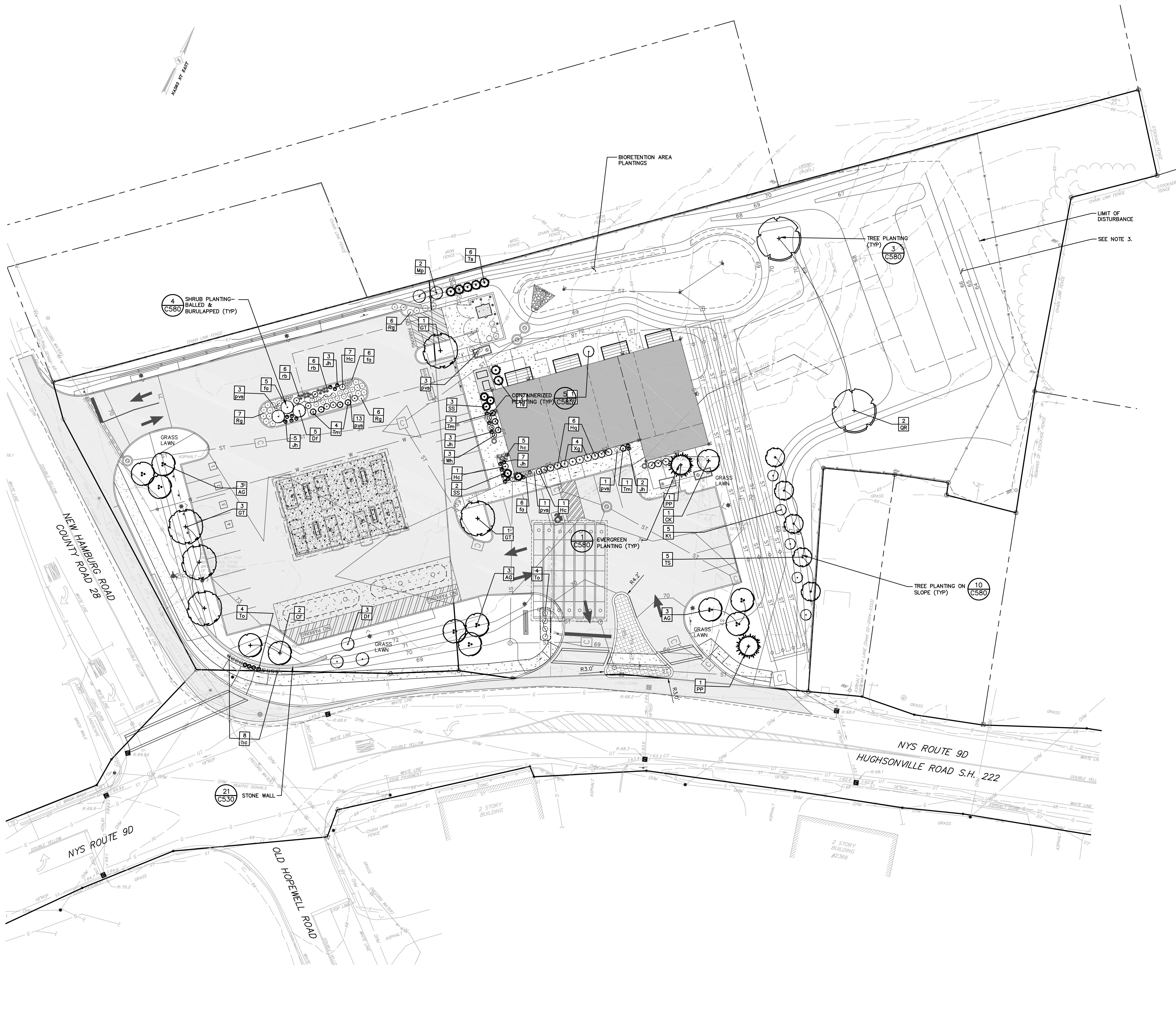
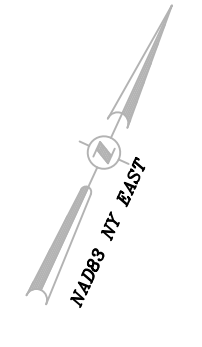
rev.	date	description
3	02/16/21	GENERAL REVISIONS AND REVISED LAYOUT
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/2020	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC. - NYS RTE 9D/CR 28 - TOWN OF WAPPINGER

UTILITY PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed SPL	checked CPL
01/09/20	1"=20'
project no. 81941.00	
sheet no. C160	



PLANT LIST

QTY	ABRV	BOTANICAL NAME						
TREES								
8	AG	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	7'-8'	B&B	As Shown	Multi-Stem Clump	
0	AR	Acer rubrum 'October Glory'	October Glory Red Maple	2.5 - 3.0' Cal.	B&B	As Shown		
2	CF	Cornus florida	Flowering Dogwood	6' - 7' Ht.	B&B	As Shown		
5	GT	Gleditsia triacanthos inermis	Thornless Honeylocust	2.5 - 3.0' Cal.	B&B	As Shown		
6	SS	Picea omorika 'Nana'	Dwarf Serbian Spruce	4' - 5'	B&B	As Shown		
6	WP	Pinus strobus	Eastern White Pine	8'-10'	B&B	As Shown		
2	QR	Quercus rubra	Red Oak	2 - 2.5' Cal.	B&B	As Shown		
4	TS	Tilia cordata 'Summer Sprite'	Summer Sprite Linden	1.5 - 2' Cal.	B&B	As Shown	select for upright form	
2	PP	Picea pungens	Blue Spruce	6-8'	B&B	As Shown		
SHRUBS								
6	DI	Viburnum tomentosum	Doublefile Viburnum	30-36"	Cont.	As Shown		
9	Hc	Hydrangea macrophylla 'Balmer'	Bigleaf Hydrangea	#5 Cont.	Cont.	As Shown	white, blue, pink, red, lacecap	
9	Hq	Hydrangea quercifolia 'Pee Wee'	Oak Leaf Hydrangea	#3 Cont.	Cont.	As Shown		
19	Jh	Juniperus horizontalis 'Wiltonii'	Creeping Juniper	#3 Cont.	Cont.	As Shown		
6	KI	Kalmia latifolia	Mountain-laurel	24"-36"	B&B	As Shown	Broadleaf evergreen	
2	Mo	Myrica pennsylvanica	Northern Bogberry	30-36"	Cont.	As Shown		
19	Rg	Rhus aromatica 'Gro-low'	Gro-Low Sumac	36"	Cont.	As Shown		
8	Tm	Thuja occidentalis 'Hetz Midget'	American Arborvitae	18"-24"	Cont.	As Shown	Height: 3.00 to 4.00 feet	
7	Ta	Thuja occidentalis 'Smaragd'	Emerald Green / American Arborvitae	6"-8"	B&B	As Shown	Fall planting preferred	
4	Xg	Ilex glabra 'Compacta'	Compact Inkberry	#3 Cont.	As Shown			
3	Wf	Weigela florida 'Spilled Wine'	Weigela	#3 Cont.	As Shown			
PERENNIALS								
6	fa	Echinacea purpurea 'Fatal Attraction'	'Fatal Attraction' Purple Coneflower	#2 Cont.	12" O.C.			
13	hc	Heesocallis x 'Happy Returns'	Happy Returns Dwarf Daylily	#1 Cont.	18" O.C.			
9	or	Osmunda regalis	Royal Fern	#2 Cont.	18" O.C.			
12	rb	Rudbeckia hirta	Black Eyed Susan	#1 Cont.				
14	pvs	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	#1 Cont.				

* ALL DISTURBED AREAS NOT SPECIFICALLY CALLED OUT FOR NEW IMPROVEMENTS TO BE TOPSOILED, SEEDED WITH LAWN SEED MIX, & MULCHED (TYP)

2 LANDSCAPE SCHEDULE
SCALE: 1"=10'

1 LANDSCAPE PLAN
SCALE: 1"=20'

GENERAL NOTES:

- SEE SHEET 0002 FOR NOTES AND LEGENDS.
- SEE SHEET C580 FOR LANDSCAPE DETAILS AND NOTES.
- ALL DISTURBED AREAS NOT RECEIVING IMPERVIOUS COVER OR IDENTIFIED WITHIN THE PLANT SCHEDULE TABLE, SHALL RECEIVE TOPSOIL, SEED, AND MULCHED WITH STRAW IN ACCORDANCE WITH THE PLAN.

ISSUED FOR SITE PLAN REVIEW

Dig Safely New York
 Call Before You Dig
 Wait The Required Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
800-962-7962
 www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS INTENDED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies
 Proud to be Employee-Owned

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Genes Falls, New York 12601, Phone: (518) 812-0513
- Digital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Westchester NY Office: 20 Elm Street (Suite 110), White Plains, New York 10601, Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Williams Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

GASLAND PETROLEUM, INC. - NYS RTE 9D/CR 28 - TOWN OF WAPPINGER

LANDSCAPE PLAN

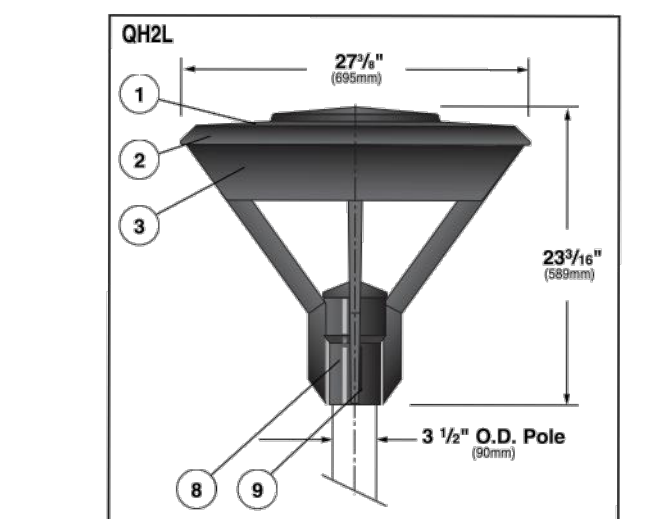
TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SMD	CPL
date	scale
01/09/20	1"=20'
project no.	
81941.00	
sheet no.	
C180	

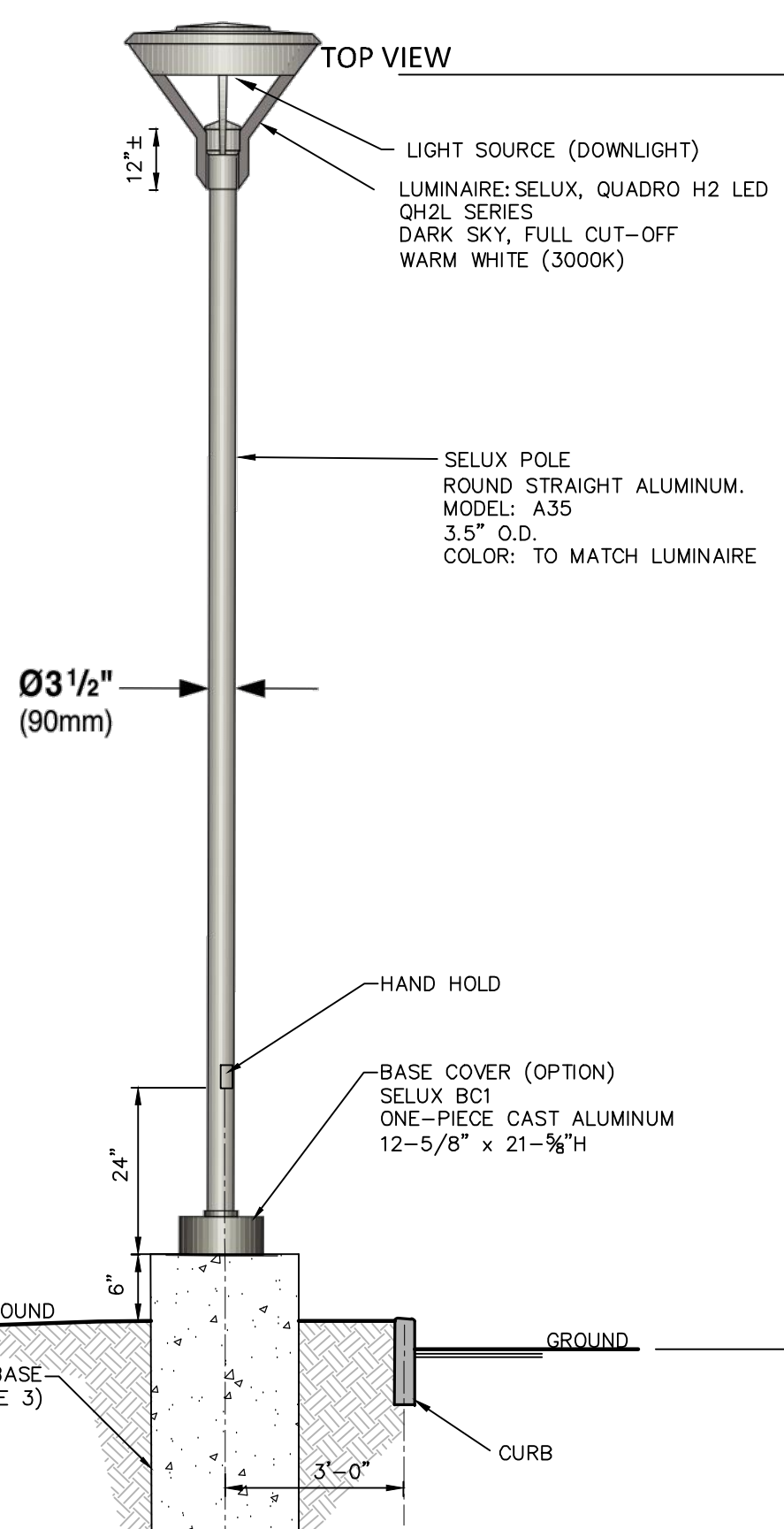
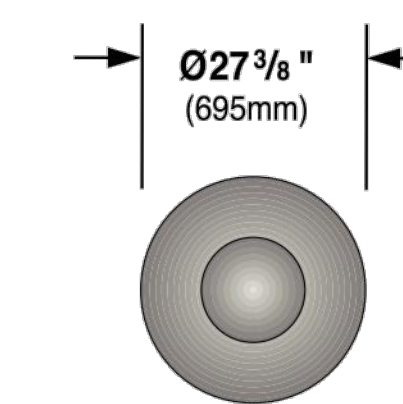


- LIGHTING LEGEND:**
- PROPOSED BUILDING
 - LIGHT WALL PACK
 - POST TOP MOUNTED LUMINAIRE / POLE
 - CEILING-MOUNTED CANOPY LIGHT FIXTURE

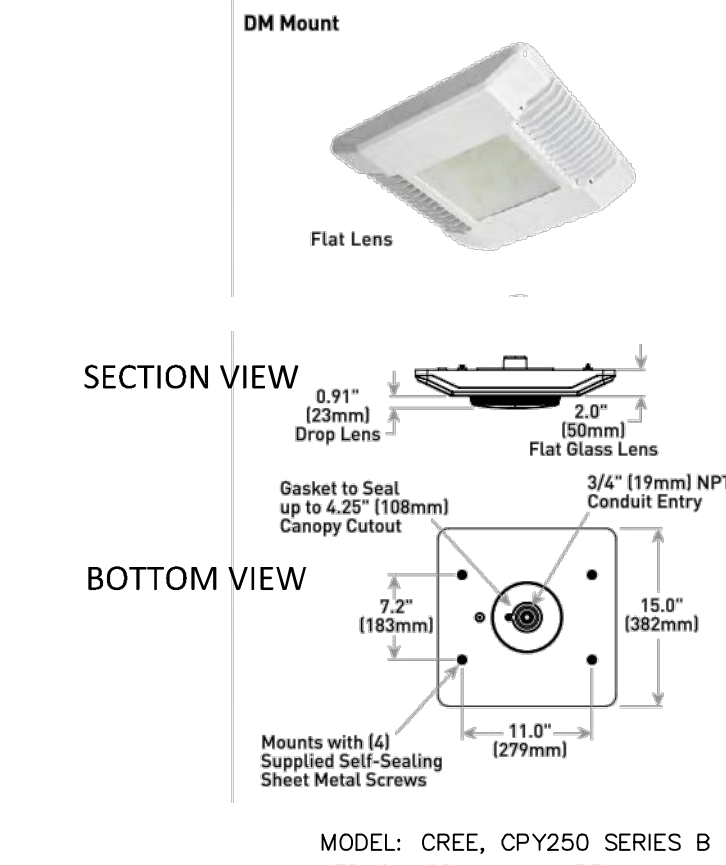
- LIGHTING NOTES:**
1. GRID NUMBERS SHOWN REPRESENT FOOT CANDLE VALUES AT GROUND PLANE.
 2. THE LIGHTING FIXTURES, SURFACE LOCATIONS AND ASSOCIATED PHOTOMETRIC VALUES ARE IDENTIFIED BY THE CHAZEN COMPANIES. DETAILED DESIGN OF THE LIGHTING SPECIFICATIONS, FOUNDATION DESIGN, LIGHTING CONDUIT, WIRING, AND CONTROL CIRCUITRY SHALL BE BY OTHERS.



SECTION VIEW



- NOTES:**
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
 2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
 3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.



3 CANOPY LIGHT FIXTURE DETAIL
SCALE: NTS



4 WALL-MOUNTED LIGHT FIXTURE DETAIL
SCALE: NTS

1 PHOTOMETRIC PLAN
SCALE: SCALE: 1"=20'

LIGHTING STATISTICS

STATISTICAL ZONE	AVERAGE	MAXIMUM	AVE/MAX
ENTIRE SITE TO PL	0.7 fc	11.8 fc	1:16
PAVEMENT AREA ONLY (EXCLUDE CANOPY AREA)	0.9 fc	3.8 fc	1:4.2
UNDER CANOPY ONLY, PLUS 5 FT	7.9 fc	11.8 fc	1:1.5

LIGHTING SCHEDULE

QTY.	DESIGNATION	MANUFACTURER MODEL NUMBER	MOUNT HEIGHT	LIGHTING TYPE	CATALOG NUMBER	WATTS	LUMENS	COLOR TEMPERATURE	LLF
8	C-C (CEILING MOUNTED)	CREE LIGHTING QPY SERIES - VERSION B	15 FT. *	36 LED'S	CPY250-B-XX-F-C-UL-XX-30K	32.1	4045.2	3000K	0.92
1	PT-R3-HS (POST TOP)	SELUX CORPORATION QUADRO H2 LED	12 FT.	7 LED'S	QH2L-X-R3-56350-30-XX-UNV-HS	32.5	2201	3000K	0.92
6	PT-R4-HS (POST TOP)	SELUX CORPORATION QUADRO H2 LED	14 FT.	7 LED'S	QH2L-X-R4-56350-30-XX-UNV-HS	32.9	2207	3000K	0.92
2	PT-R5S (POST TOP)	SELUX CORPORATION QUADRO H2 LED	12 FT.	7 LED'S	QH2L-X-R5S-56350-30-XX-UNV	32.7	32971	3000K	0.92
2	W-T2 (WALL MOUNTED)	HUBBELL OUTDOOR LIGHTING GEOPAK SERIES SIZE 1 LED - QUARTERSPHERE	10 FT.	12 LED'S	TRP1-12L15-3K7-2	13.9	1497	3000K	0.92
0	W-T3 (WALL MOUNTED)	HUBBELL OUTDOOR LIGHTING GEOPAK SERIES SIZE 1 LED - QUARTERSPHERE	10 FT.	12 LED'S	TRP1-12L15-3K7-3	13.9	1478	3000K	0.92
4	W-T4 (WALL MOUNTED)	HUBBELL OUTDOOR LIGHTING GEOPAK SERIES SIZE 1 LED - QUARTERSPHERE	10 FT.	12 LED'S	TRP1-12L15-3K7-4	13.9	1471	3000K	0.92

* MEASURED TO UNDERSIDE OF CANOPY.

Safe Dig
Call Before You Dig
Wait The Required Time
Confirm Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.safe-dig.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., S.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE A SUBSTITUTE FOR MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. ALL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., S.P.C.
IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies
Provided to our Employees/Owners
Civil Engineers
Land Surveyors
Planners
Environmental & Safety Professionals
Architects
Transportation Planners & Engineers

Office Locations:

- Hubert Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Glens Falls, New York 12601, Phone: (518) 812-0513
- Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Washington NY Office: 20 Elm Street (Suite 110), White Plains, New York 10601, Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

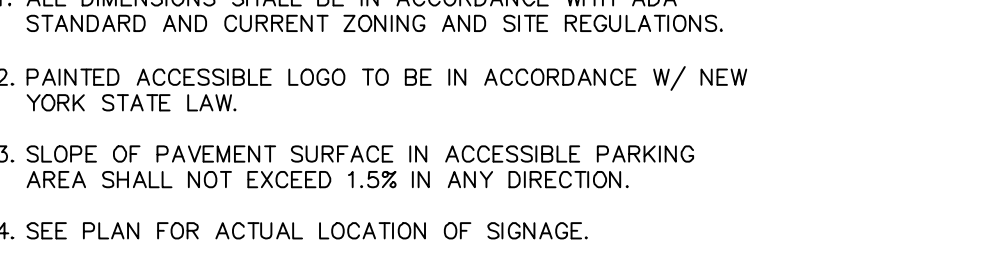
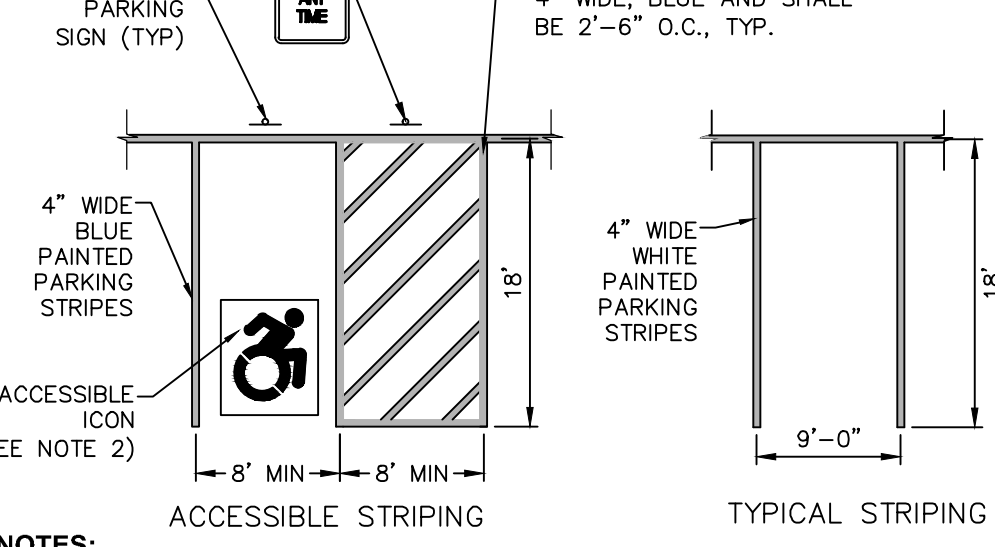
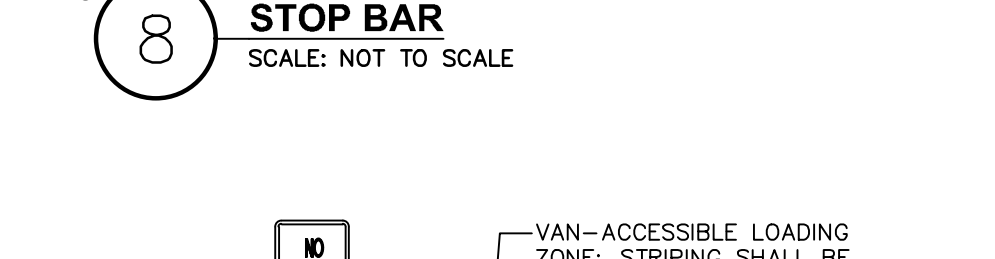
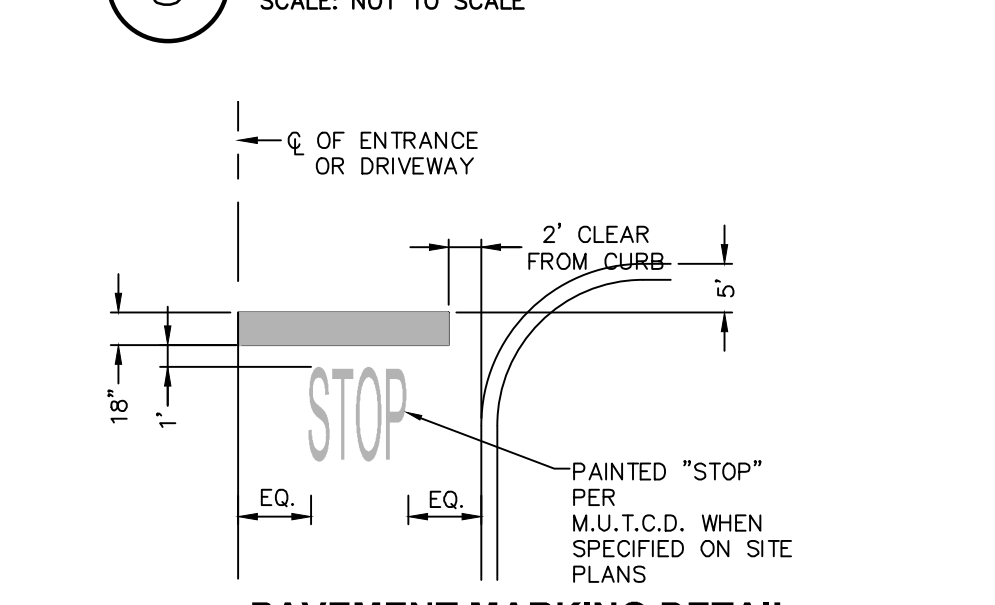
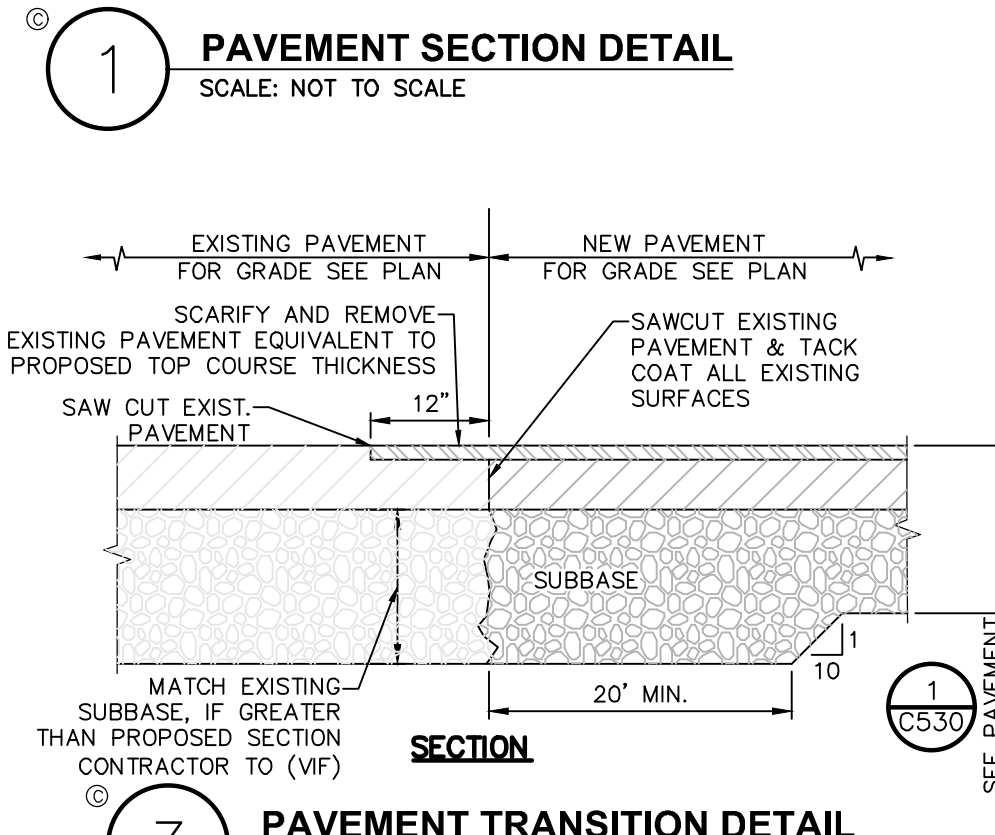
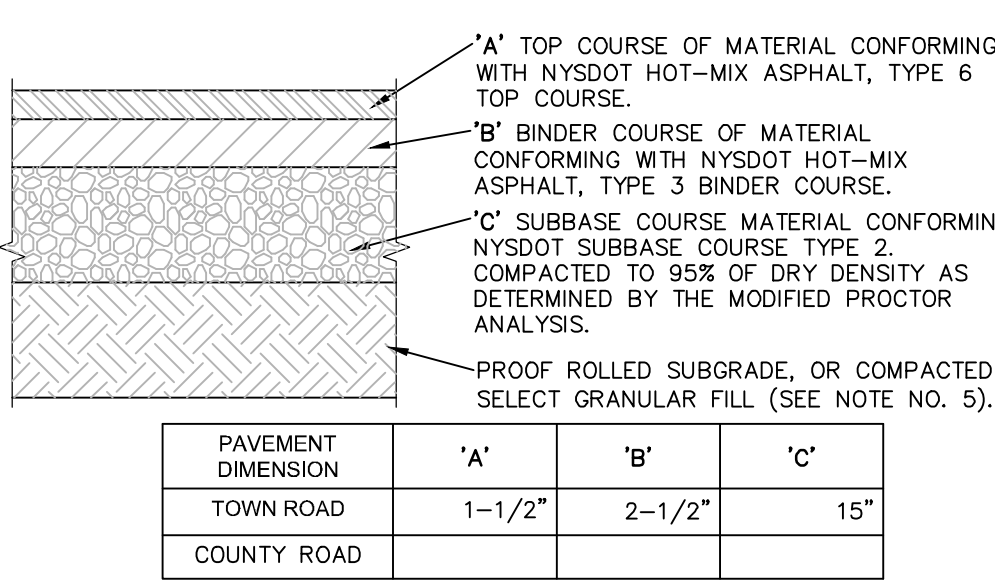
rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC.- NYS RTE 9D/CB 28 -TOWN OF WAPPINGER

PHOTOMETRIC PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

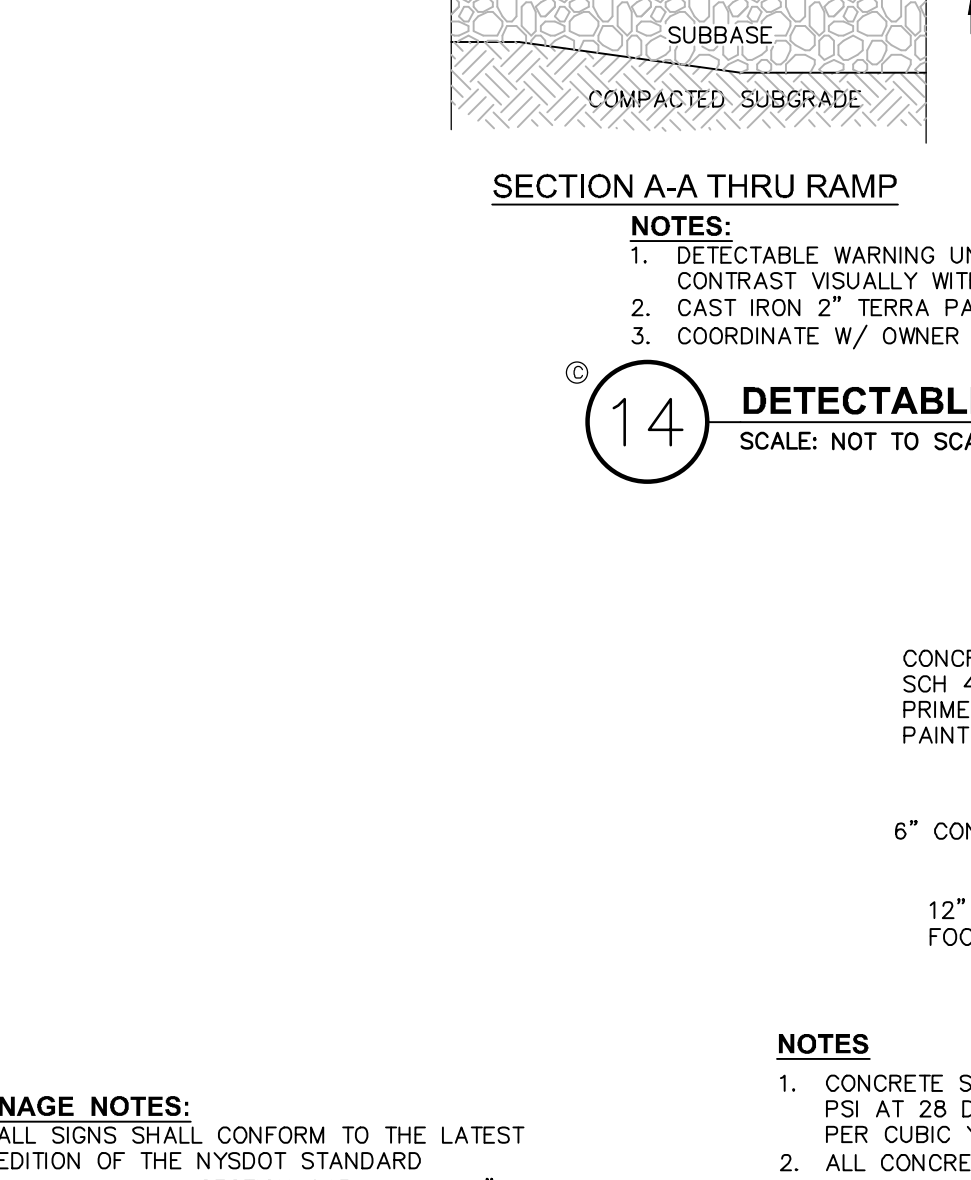
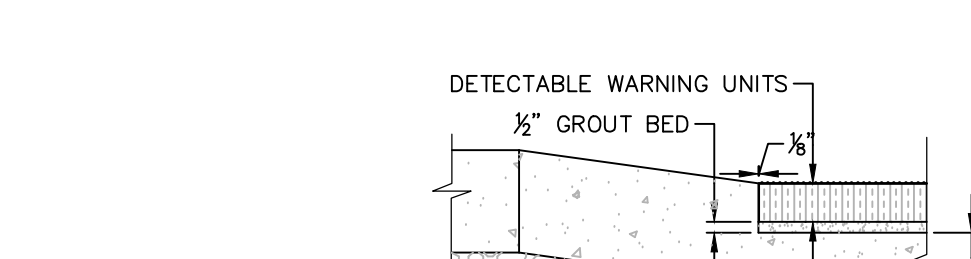
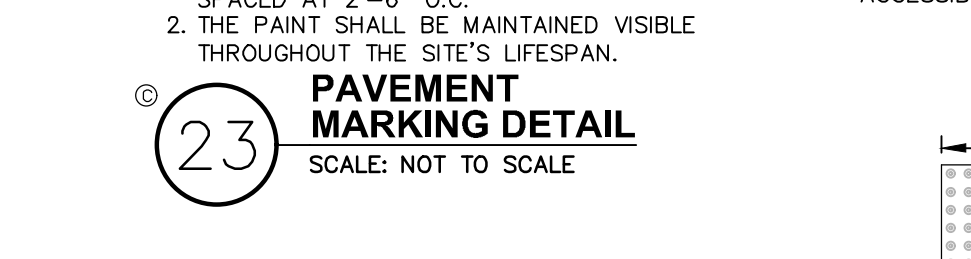
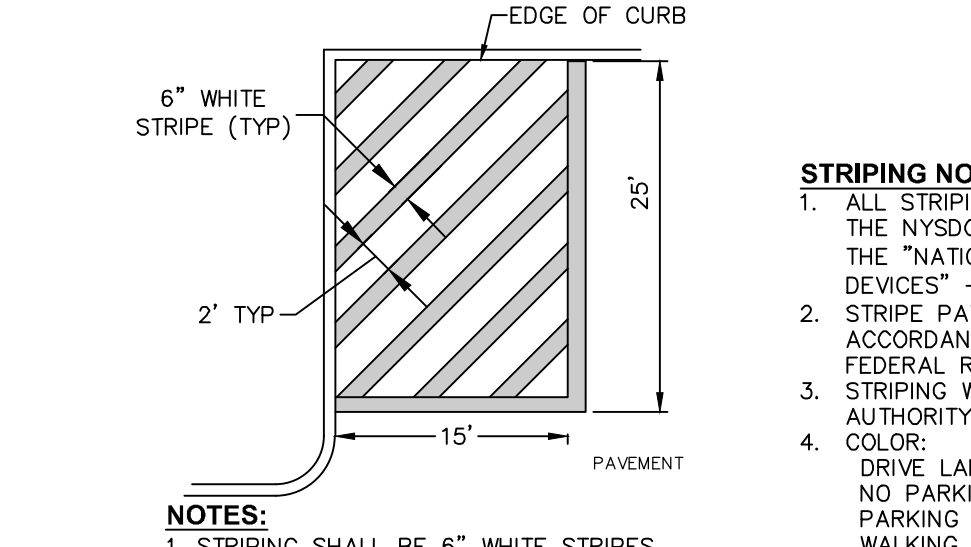
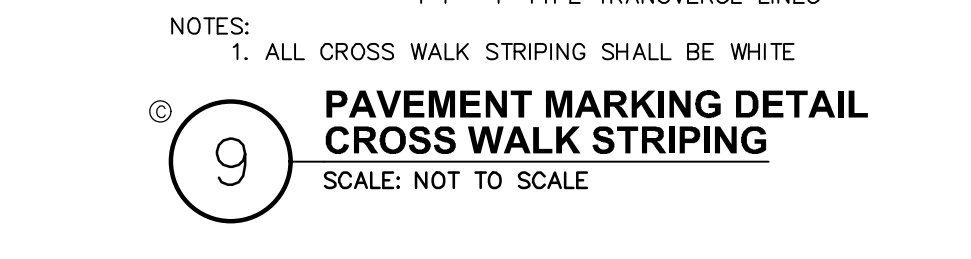
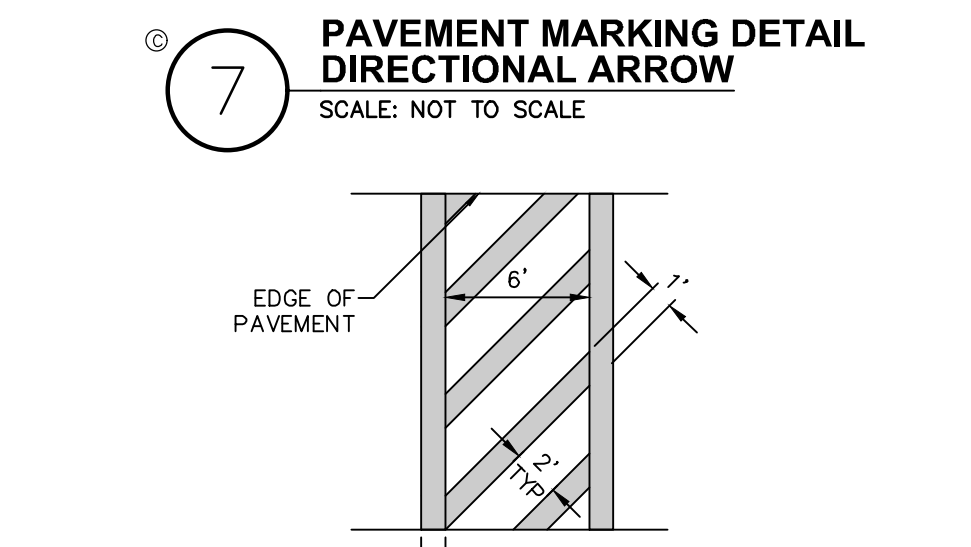
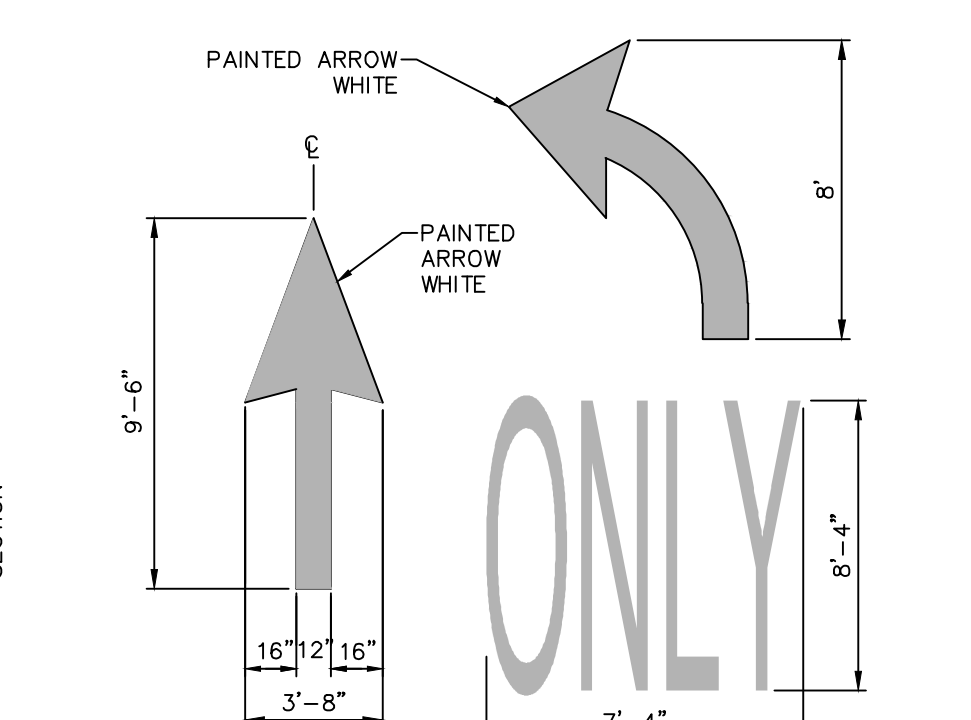
designed	checked
SMD	CPL
date	scale
01/09/20	1"=20'
project no.	
81941.00	
sheet no.	
C190	



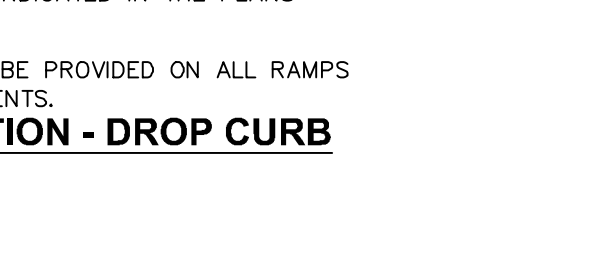
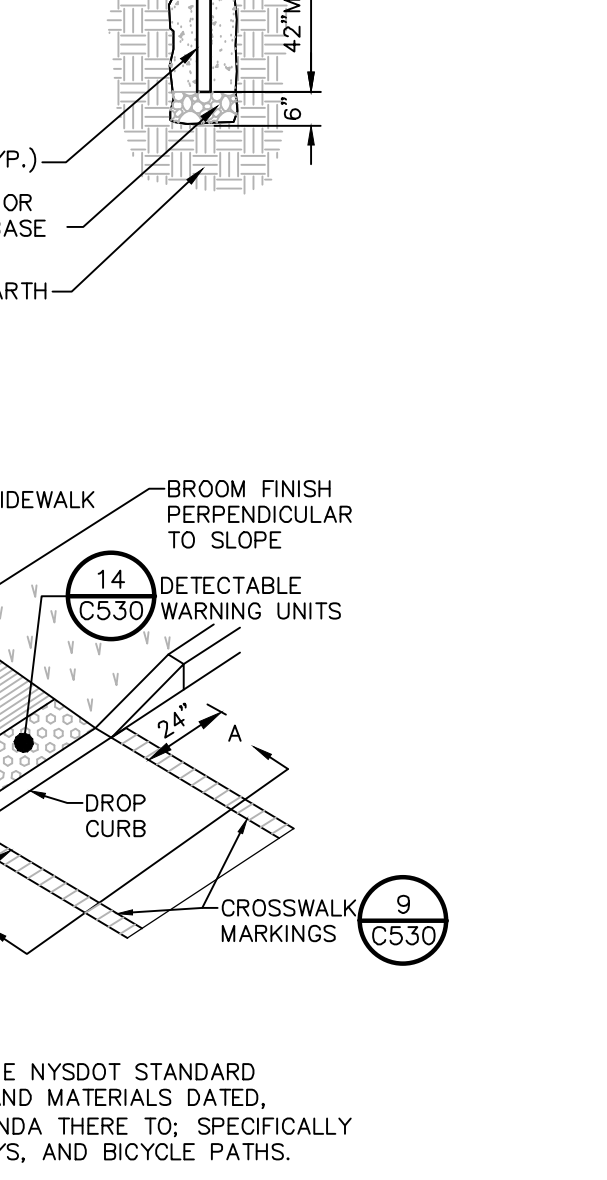
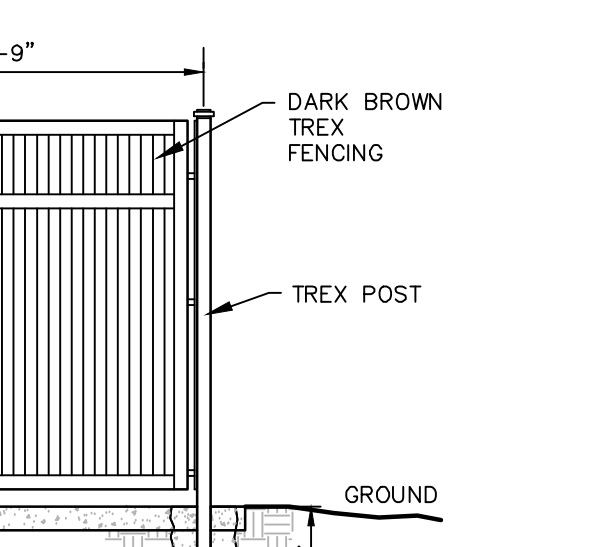
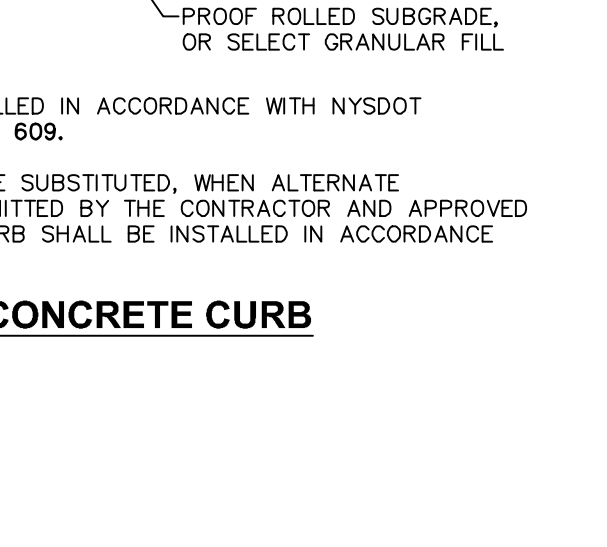
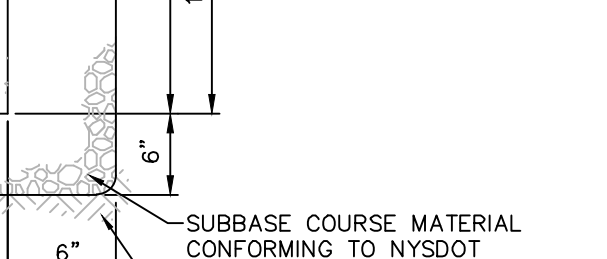
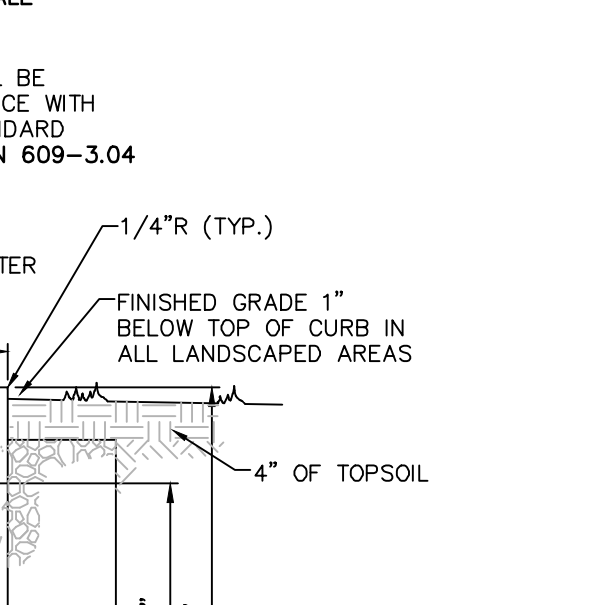
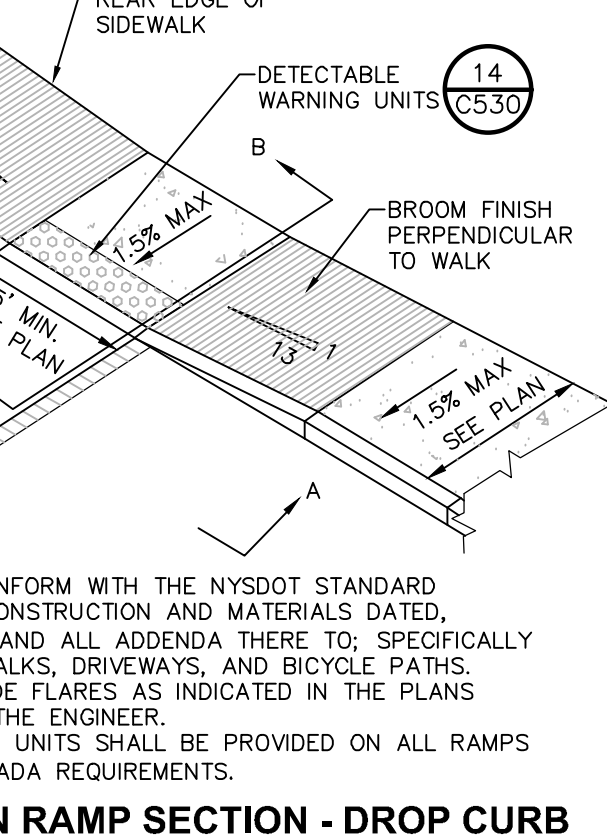
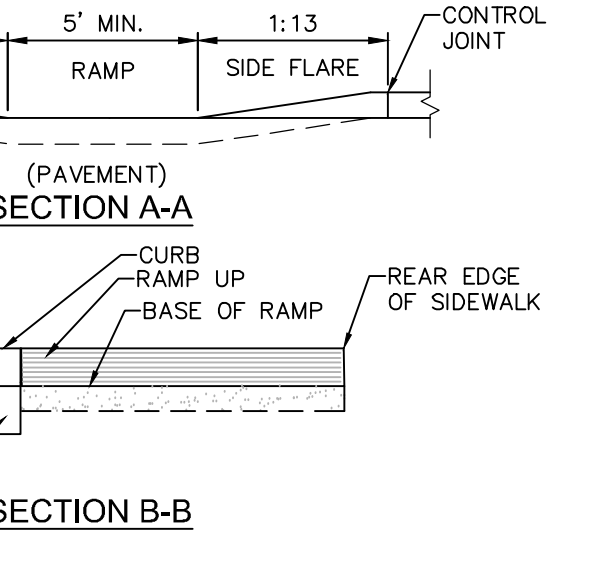
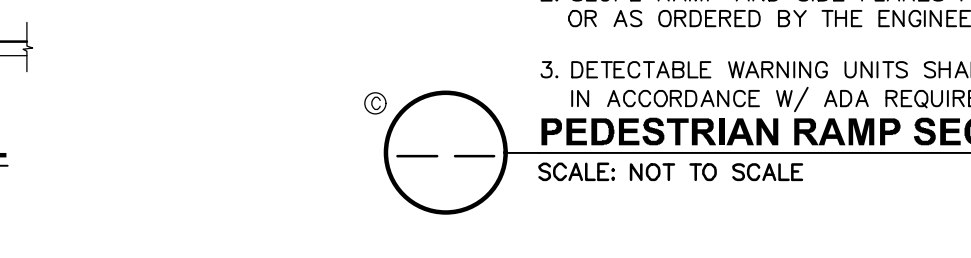
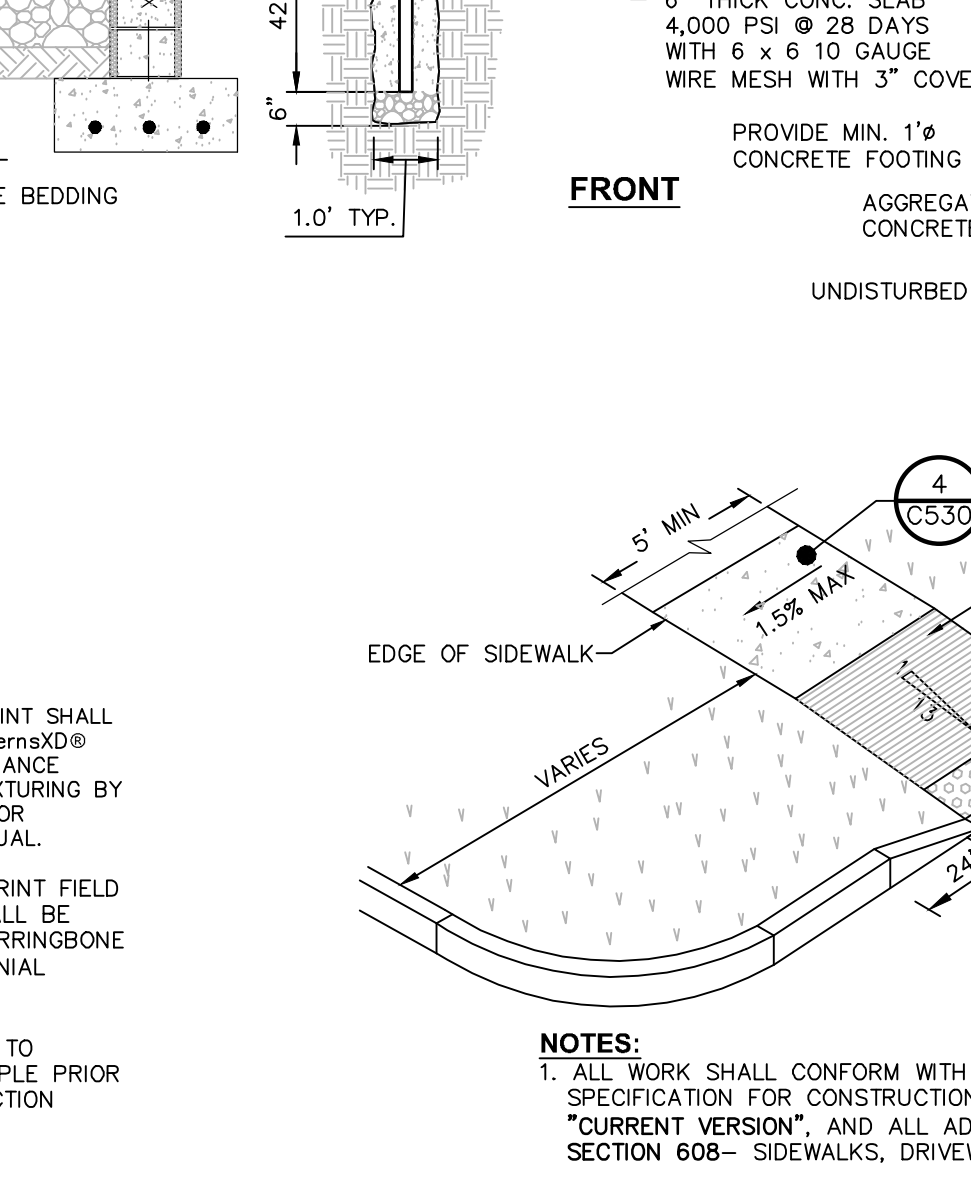
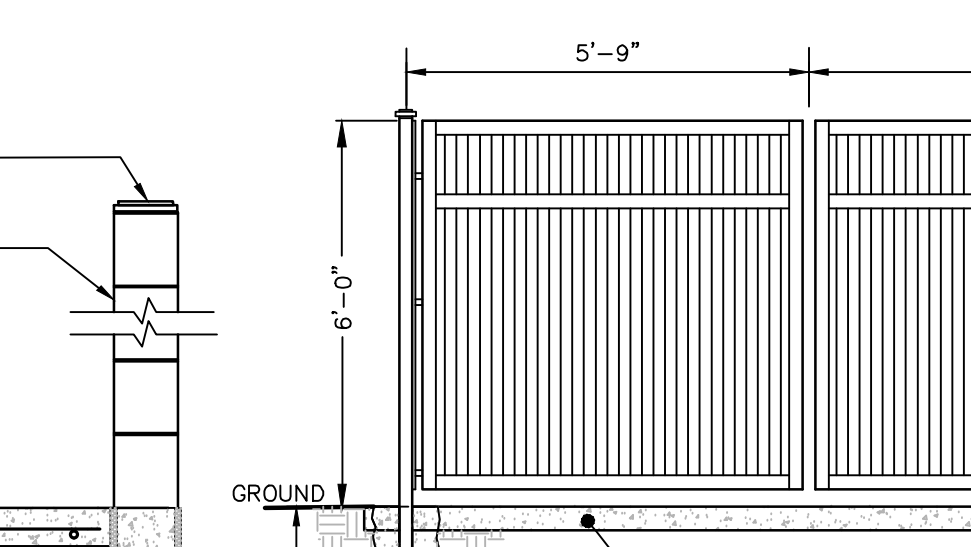
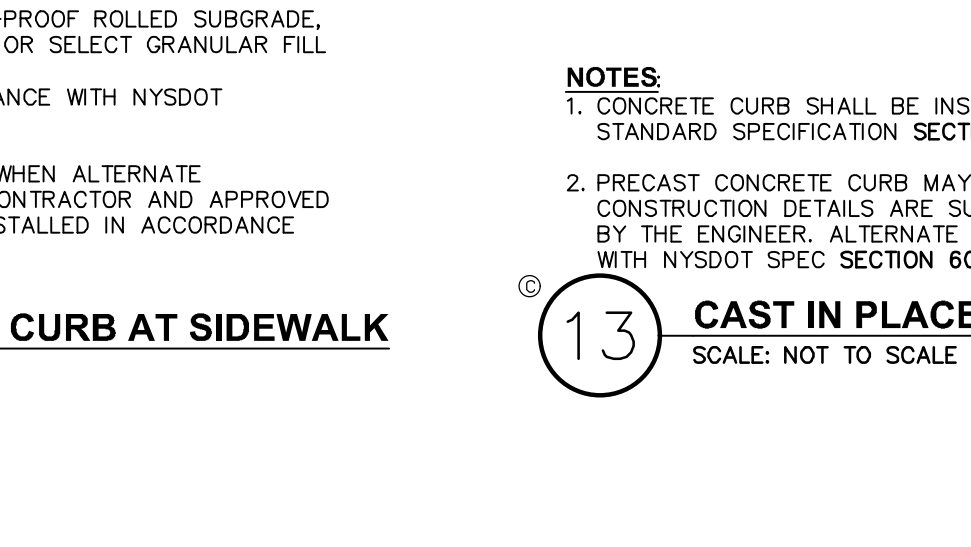
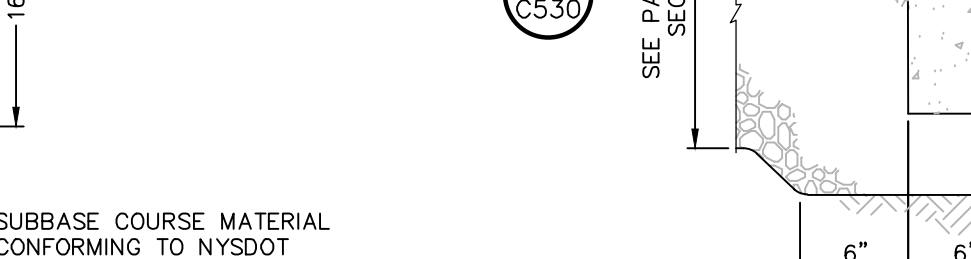
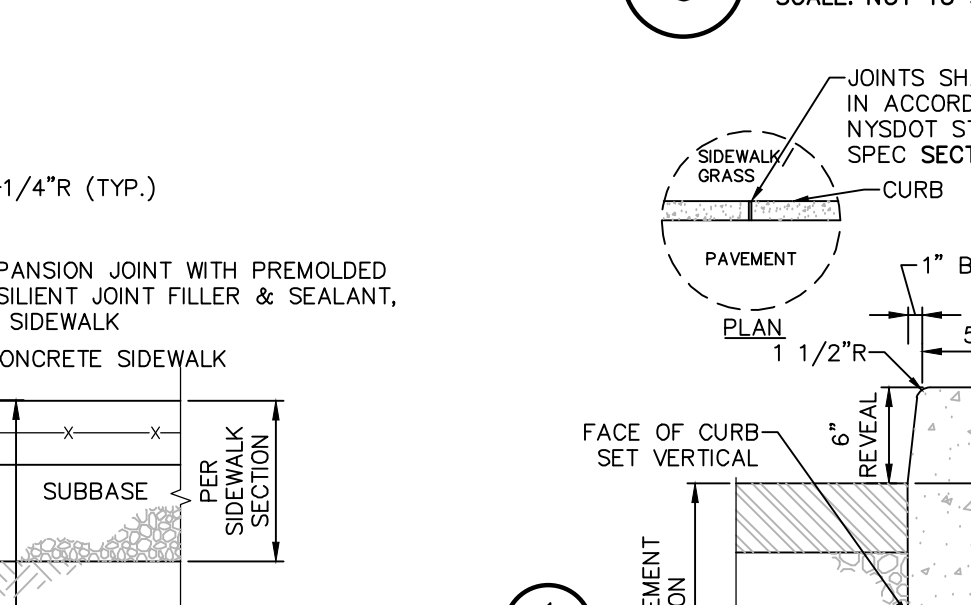
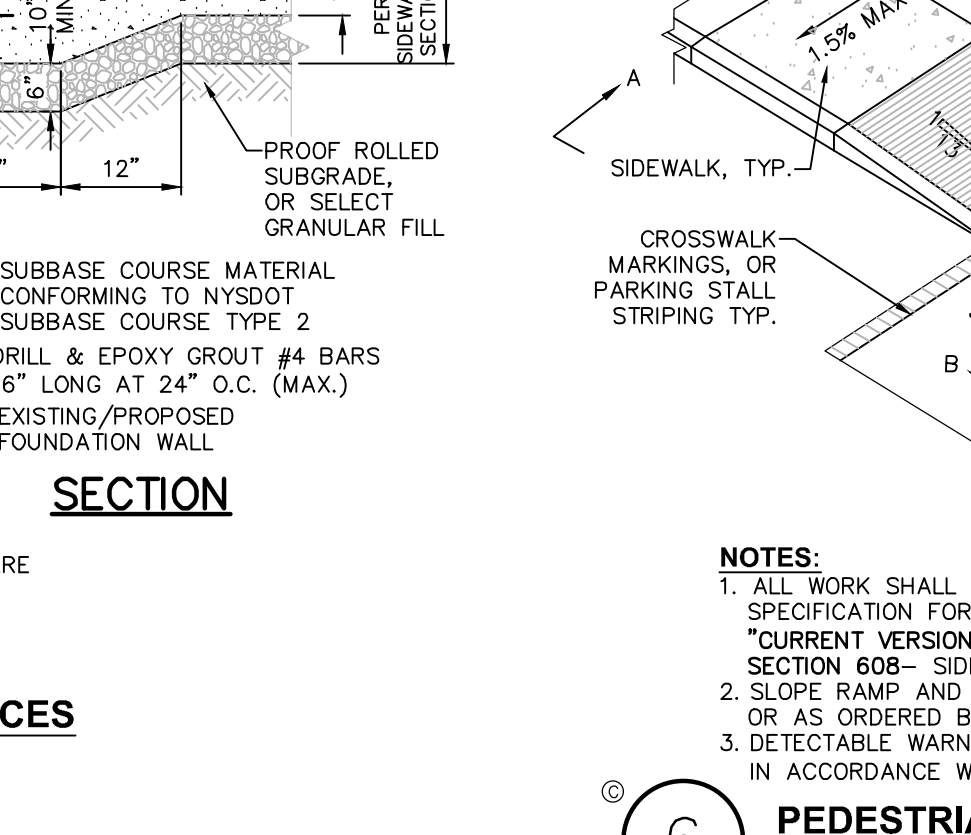
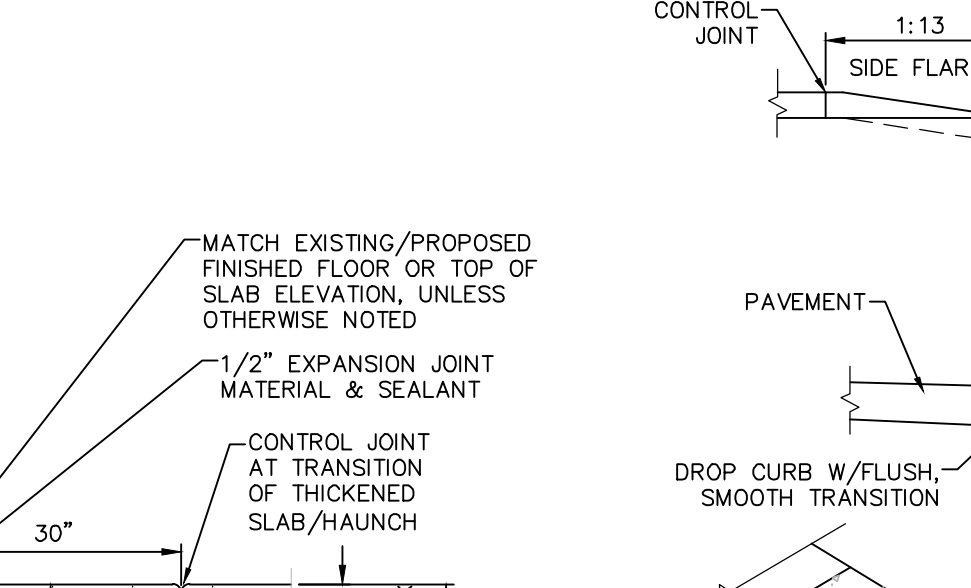
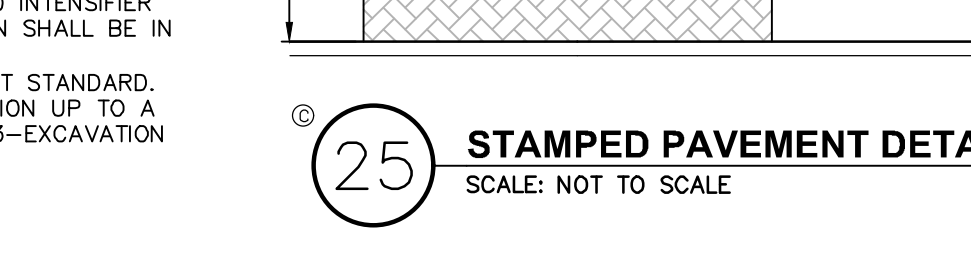
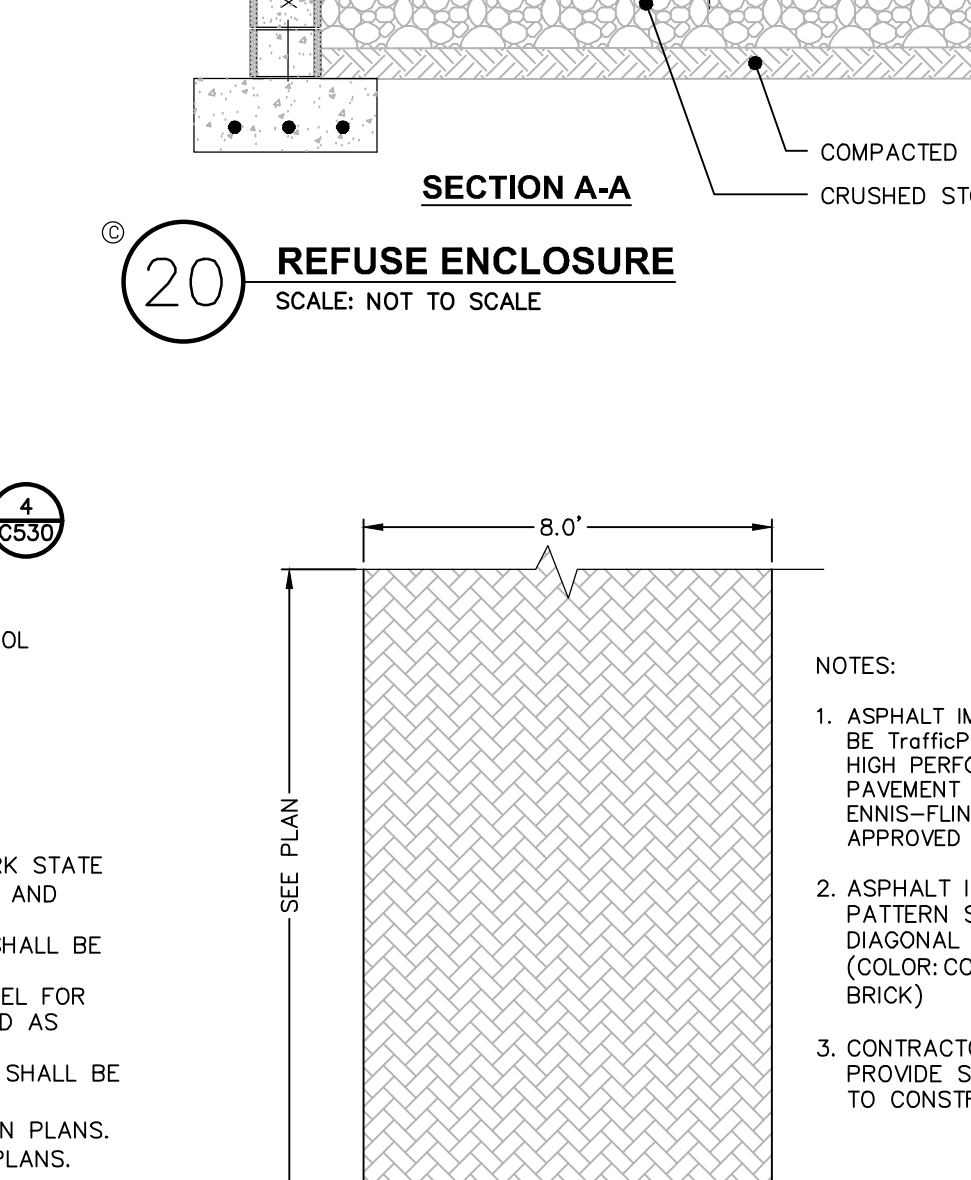
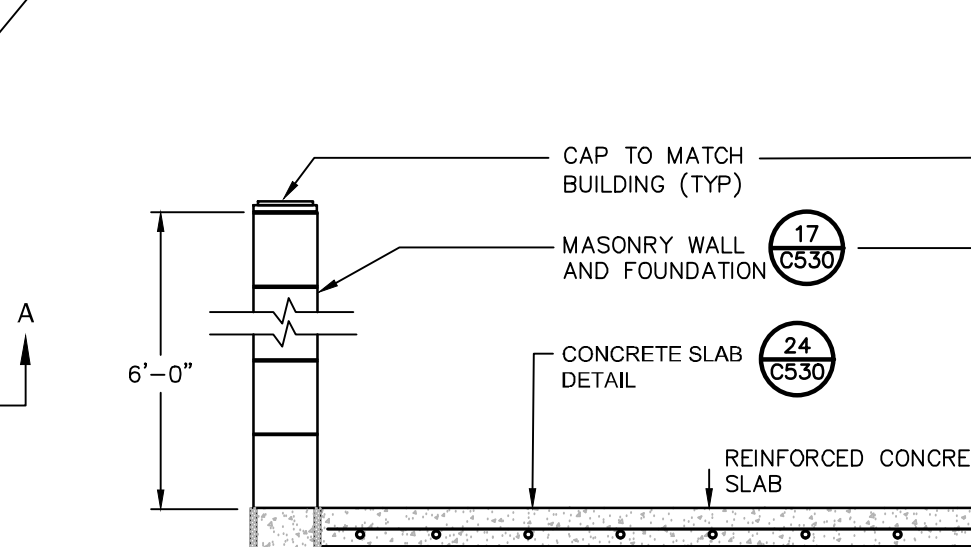
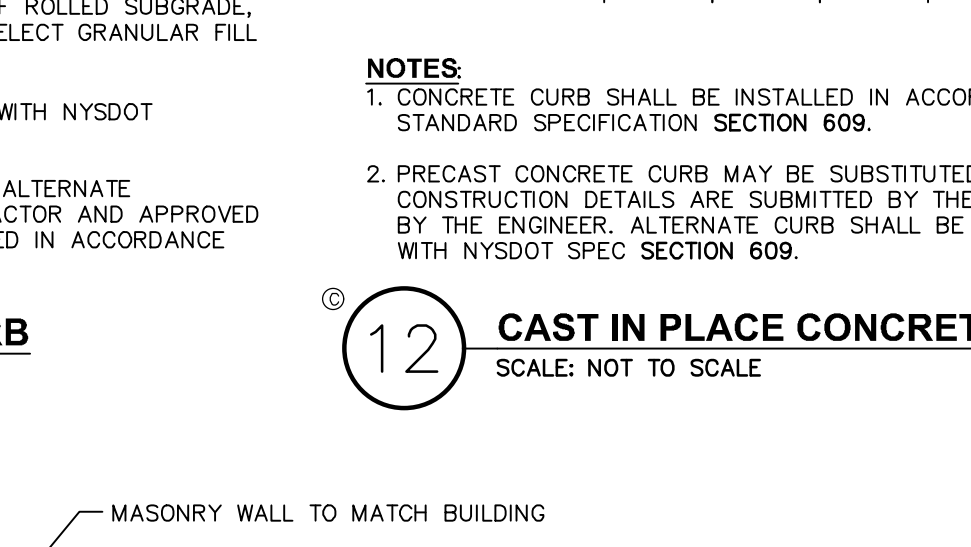
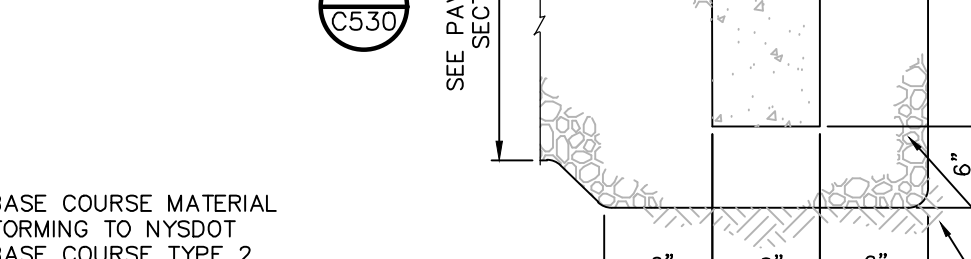
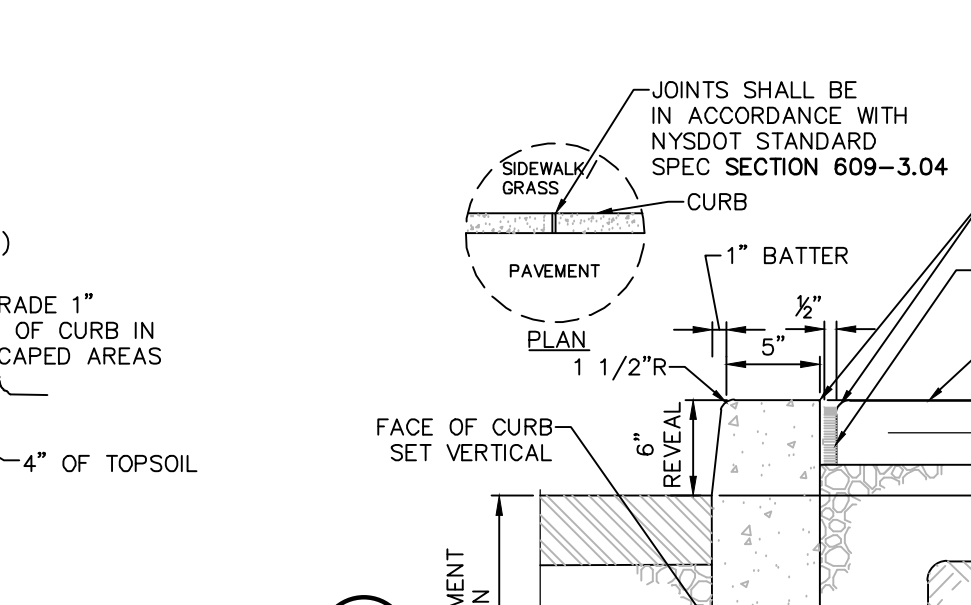
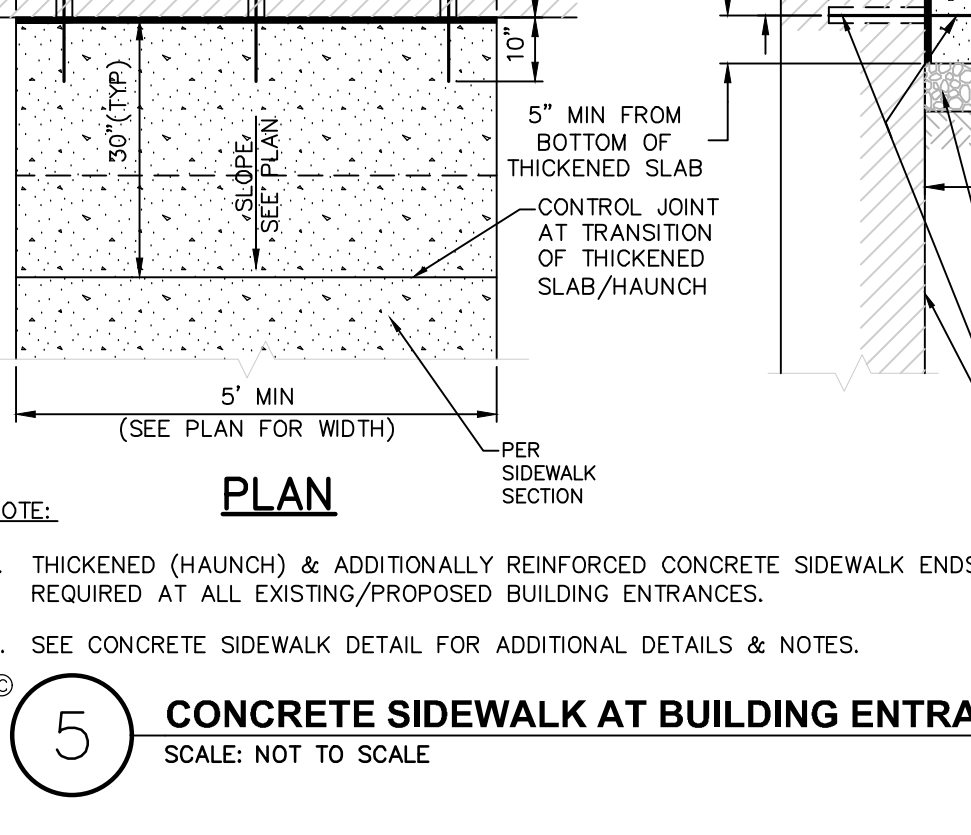
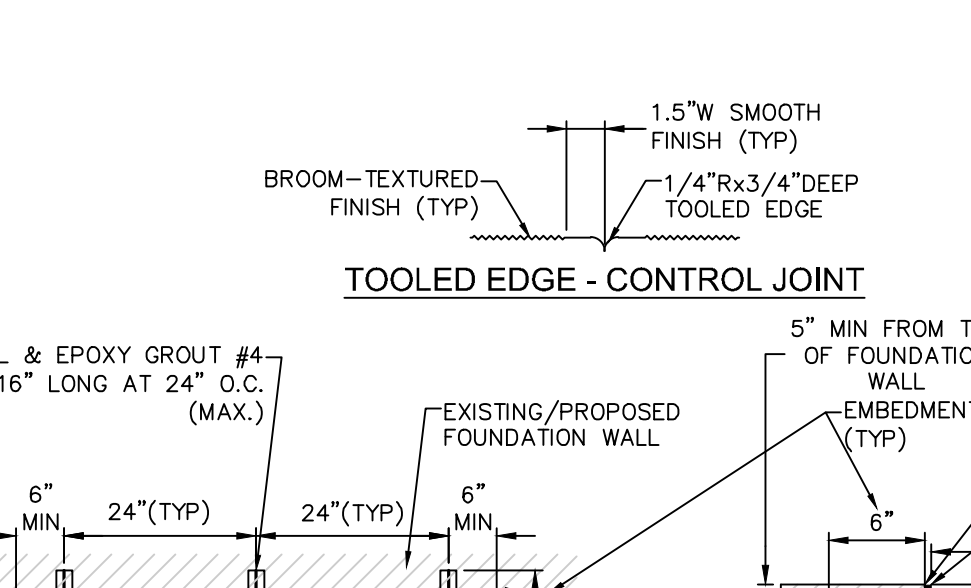
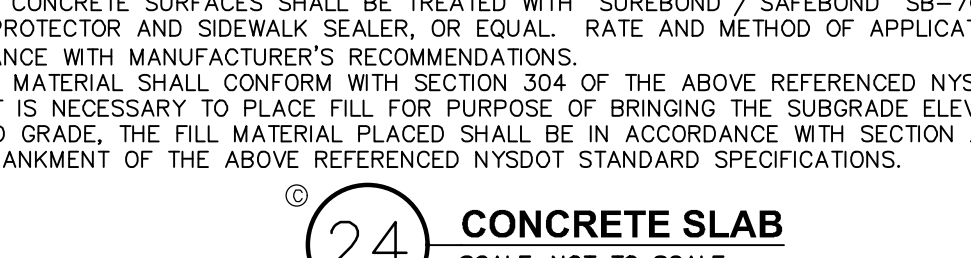
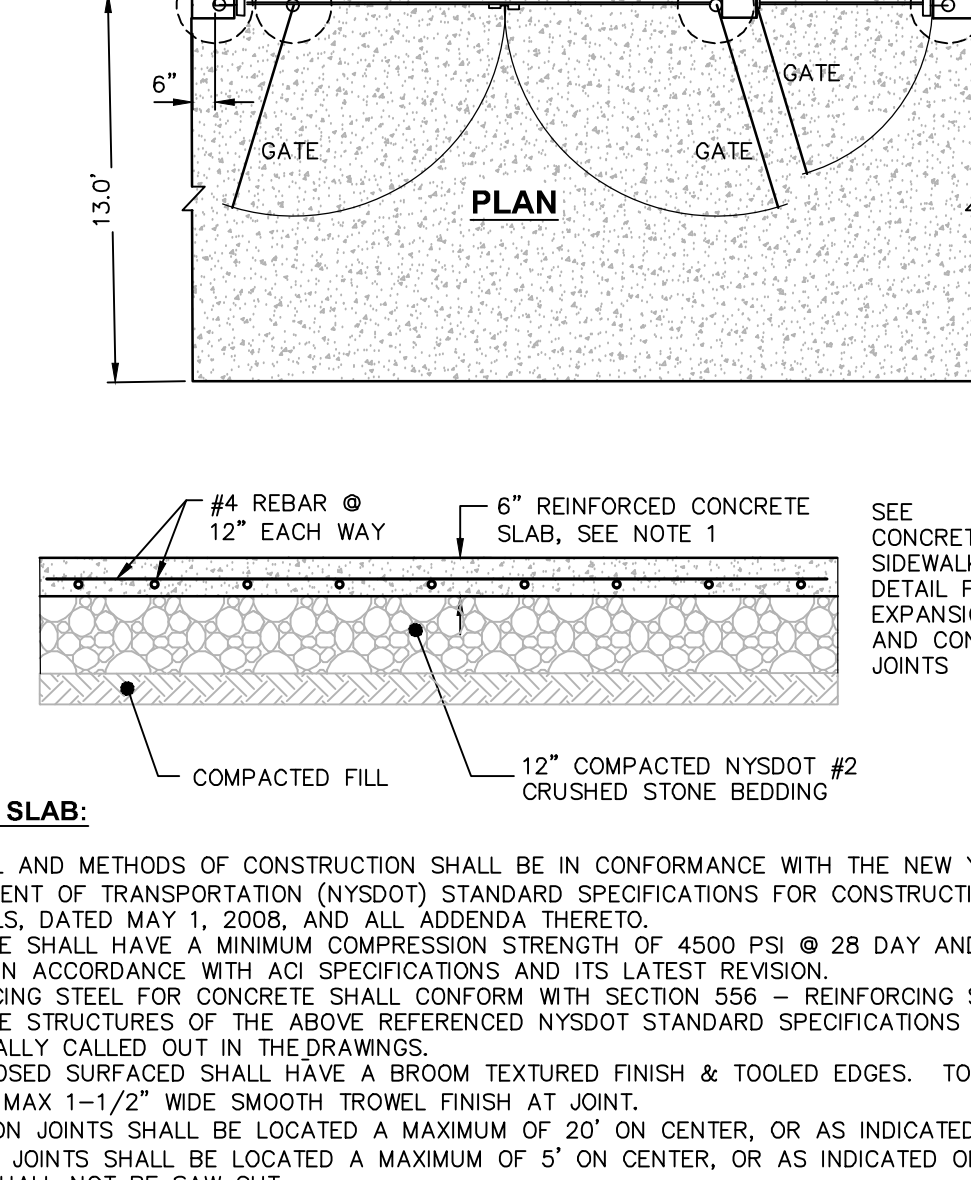
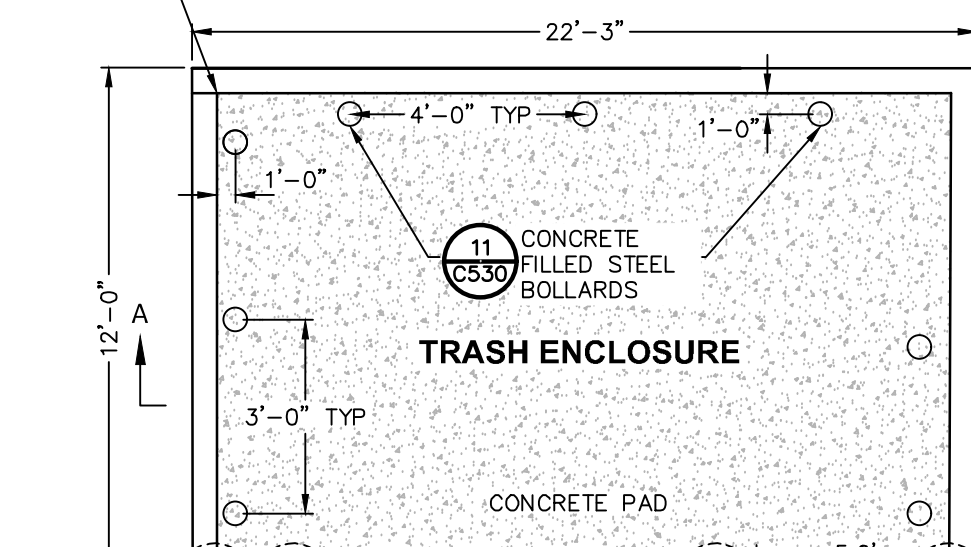
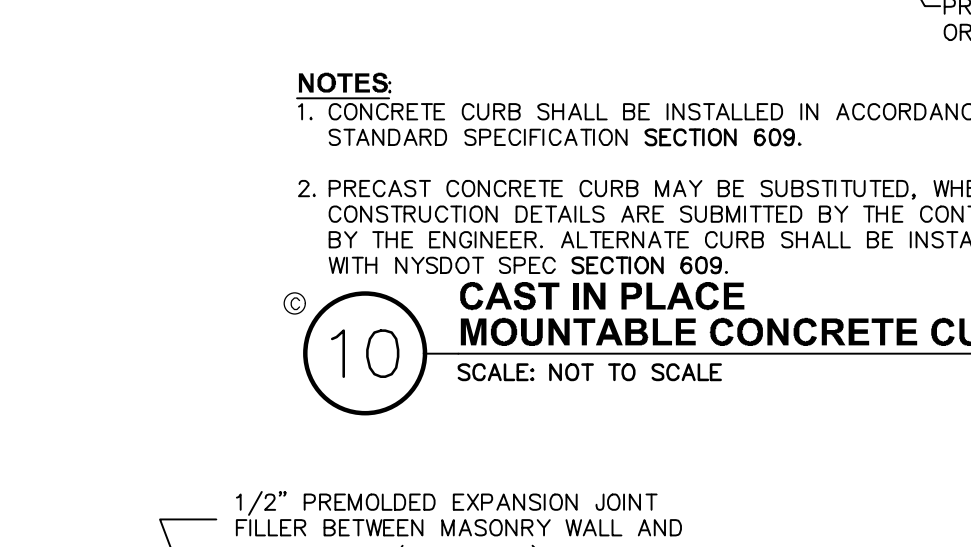
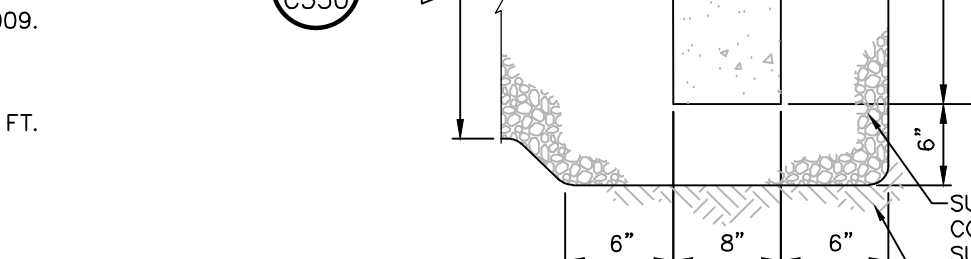
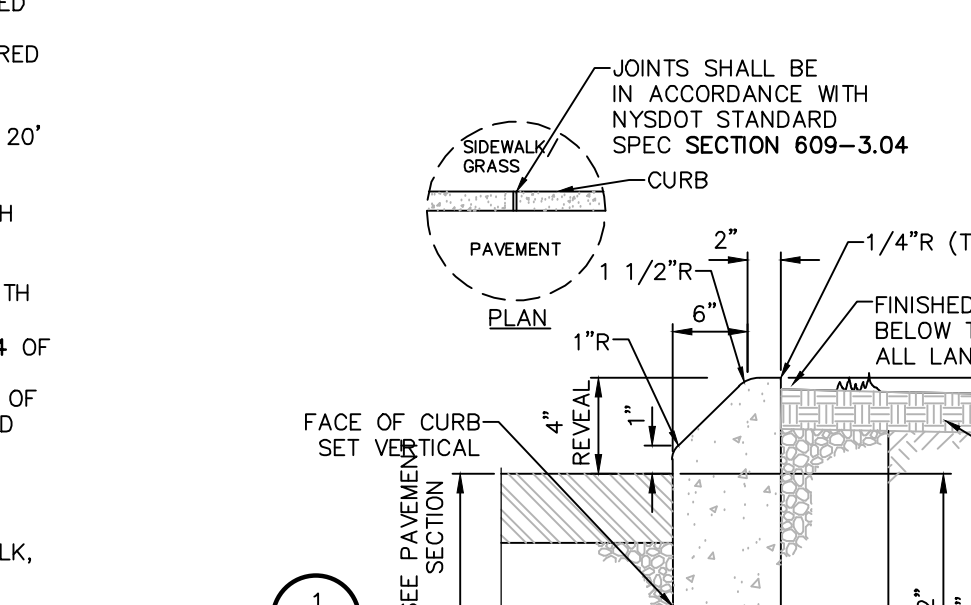
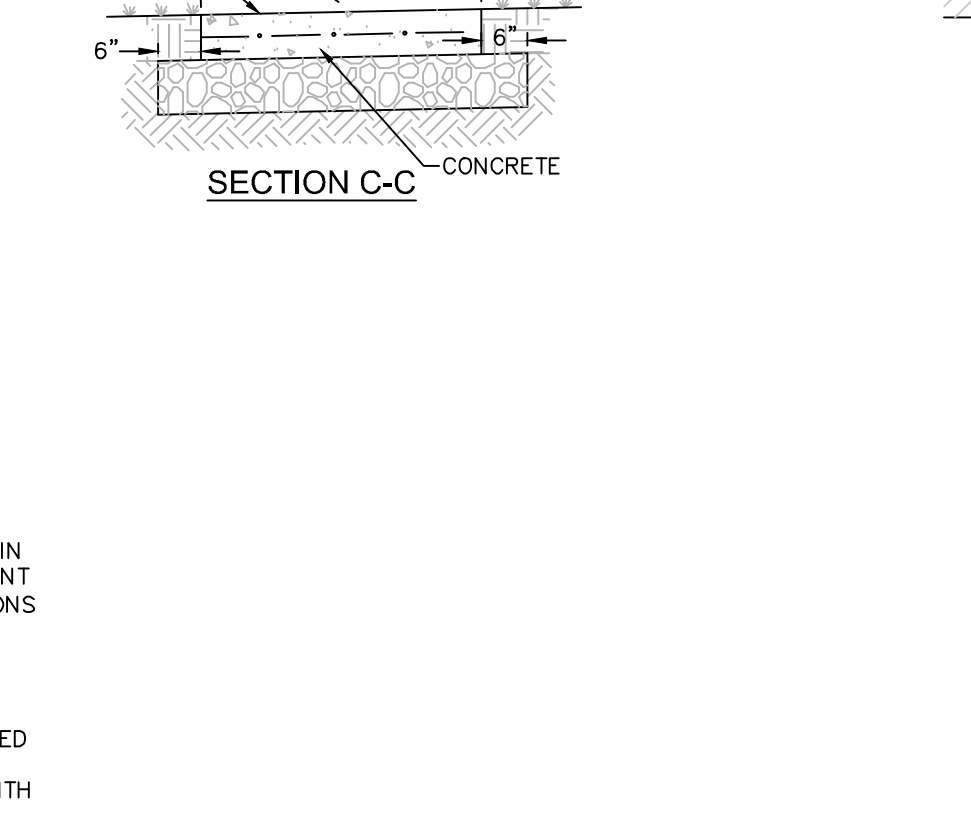
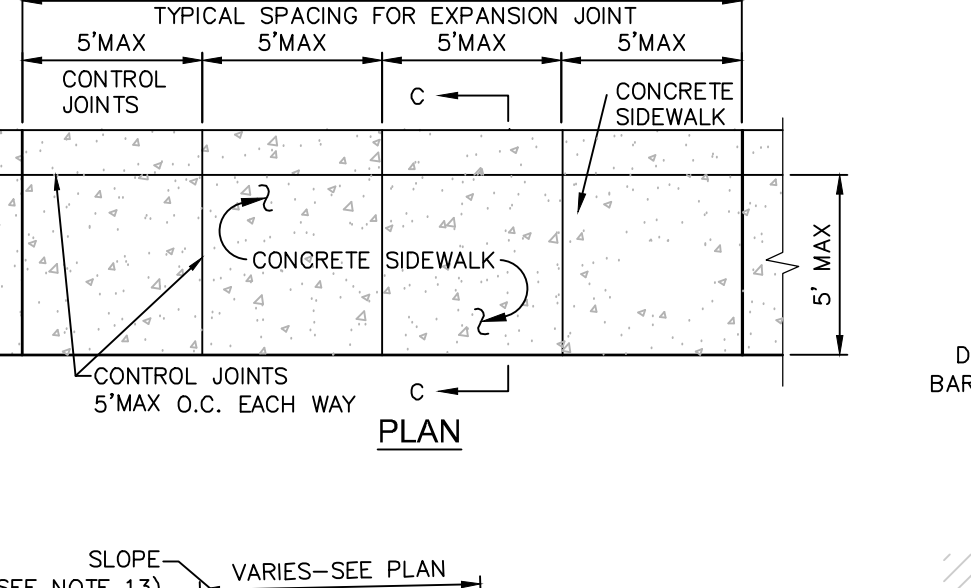
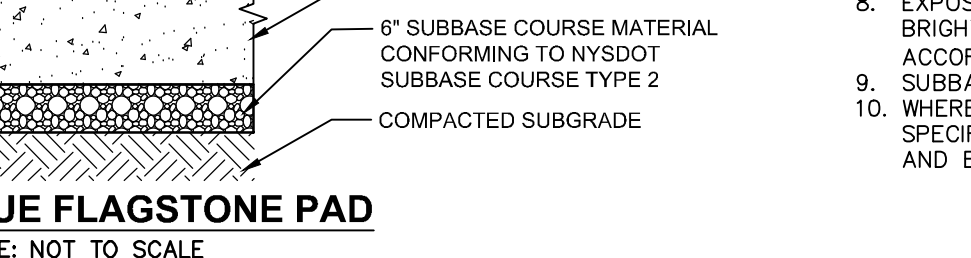
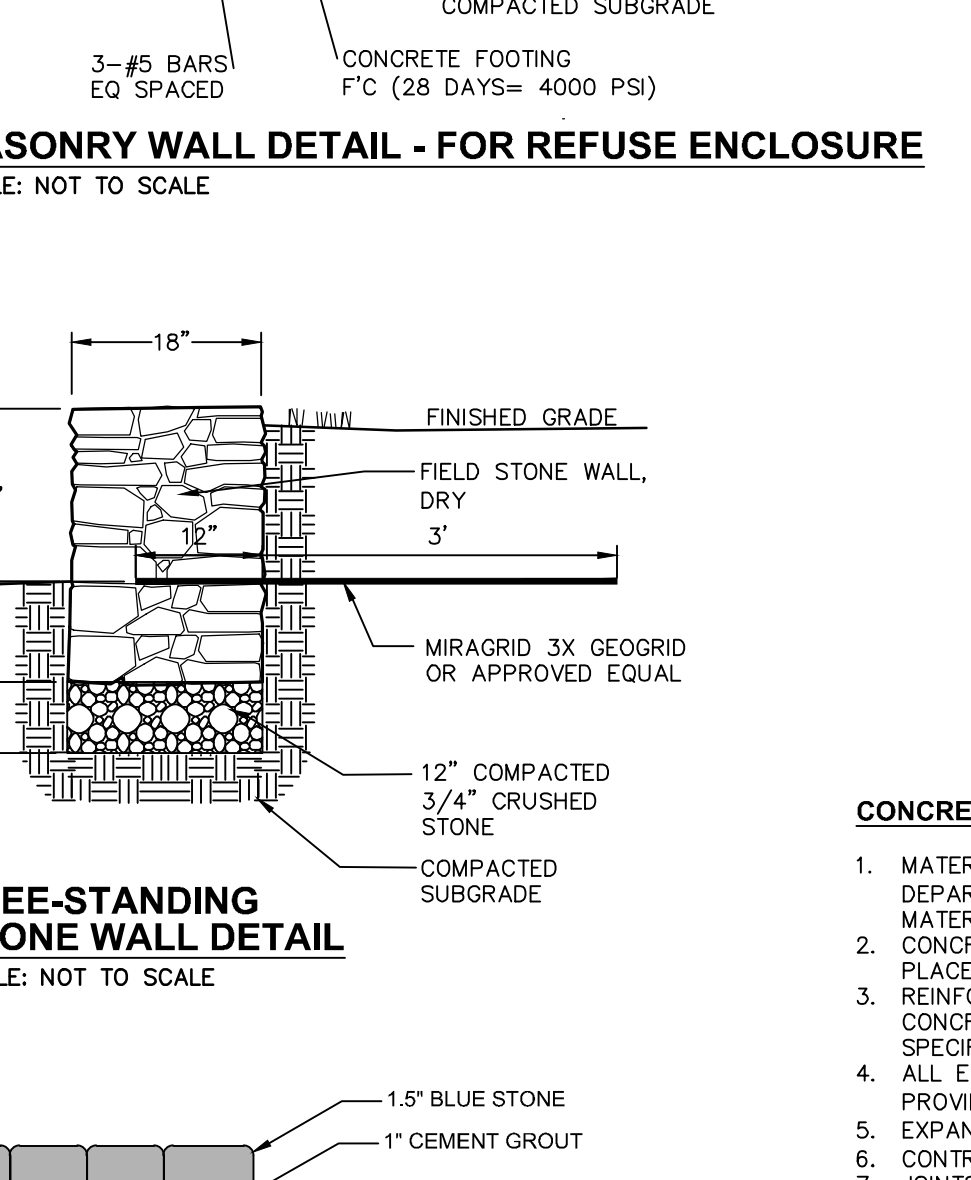
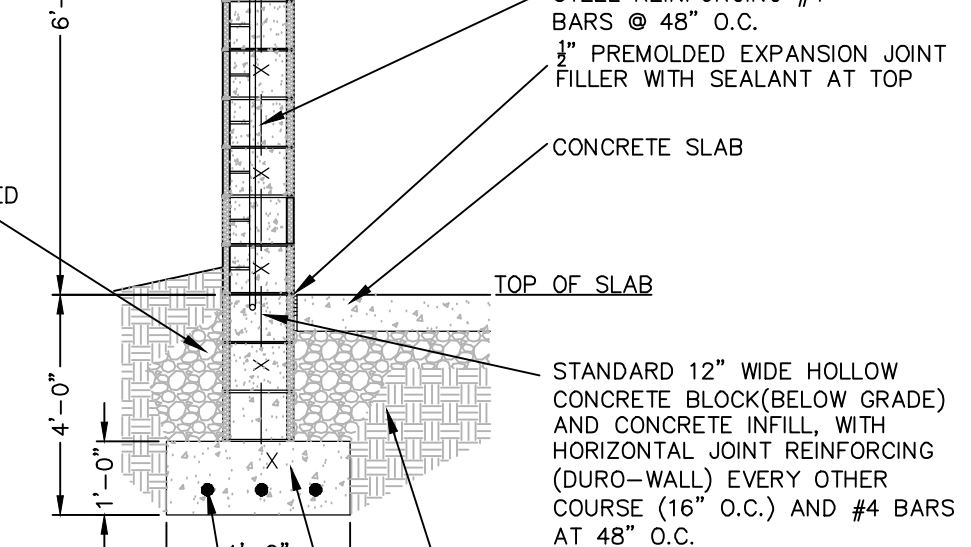
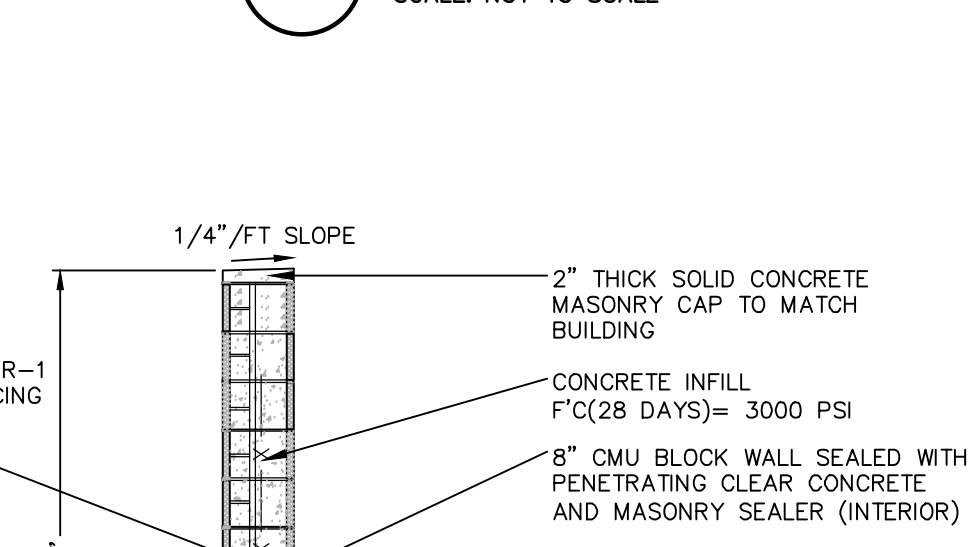
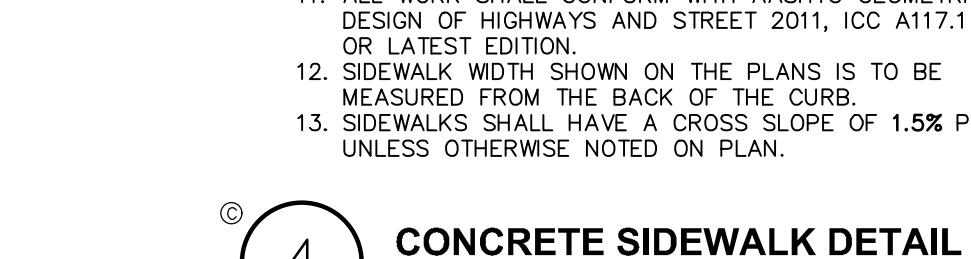
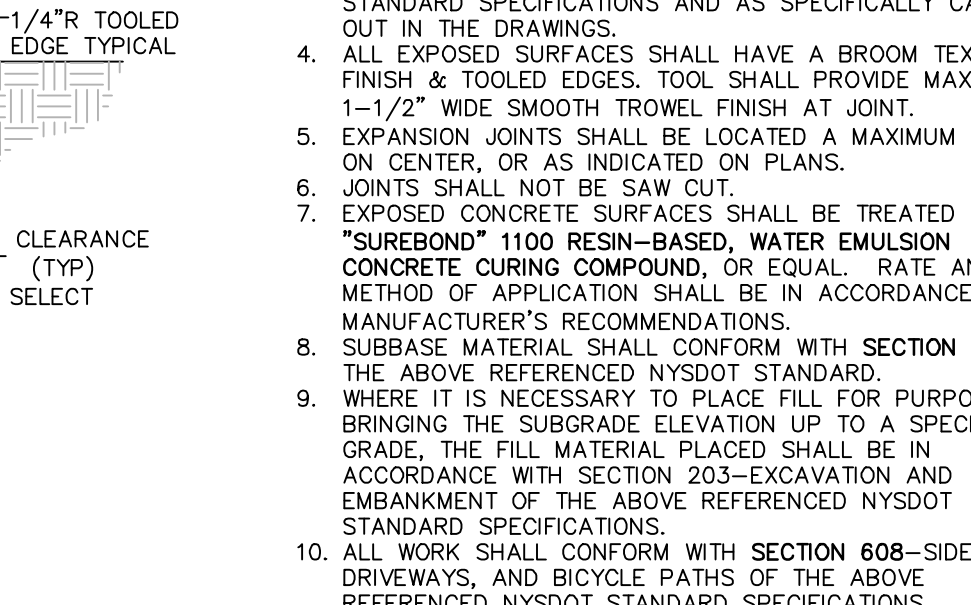
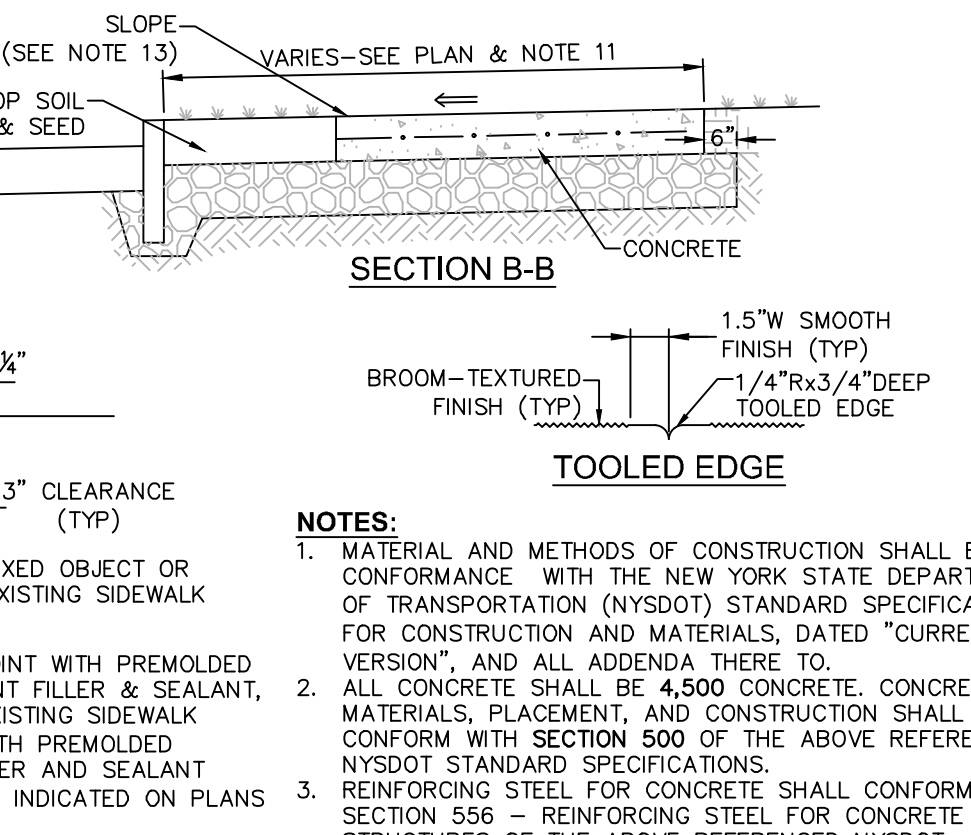
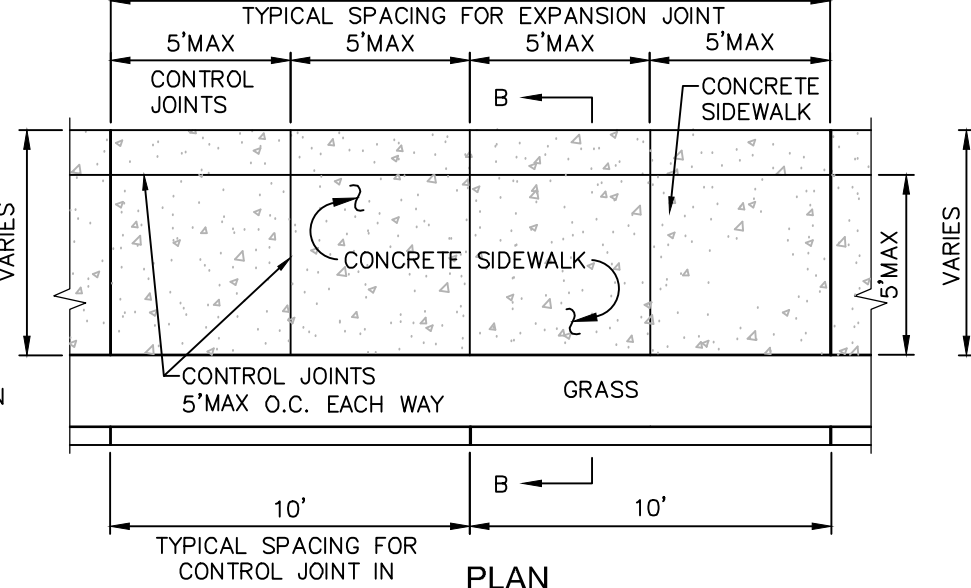
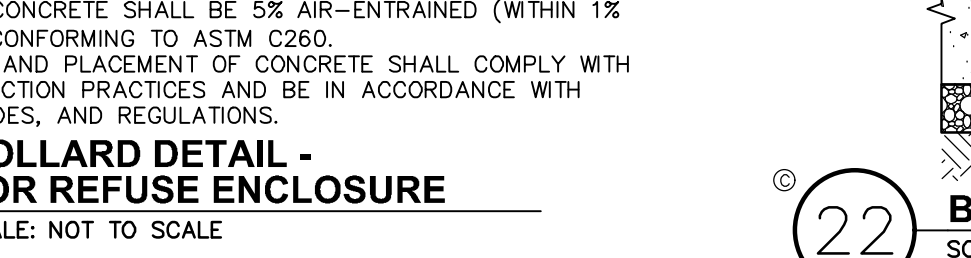
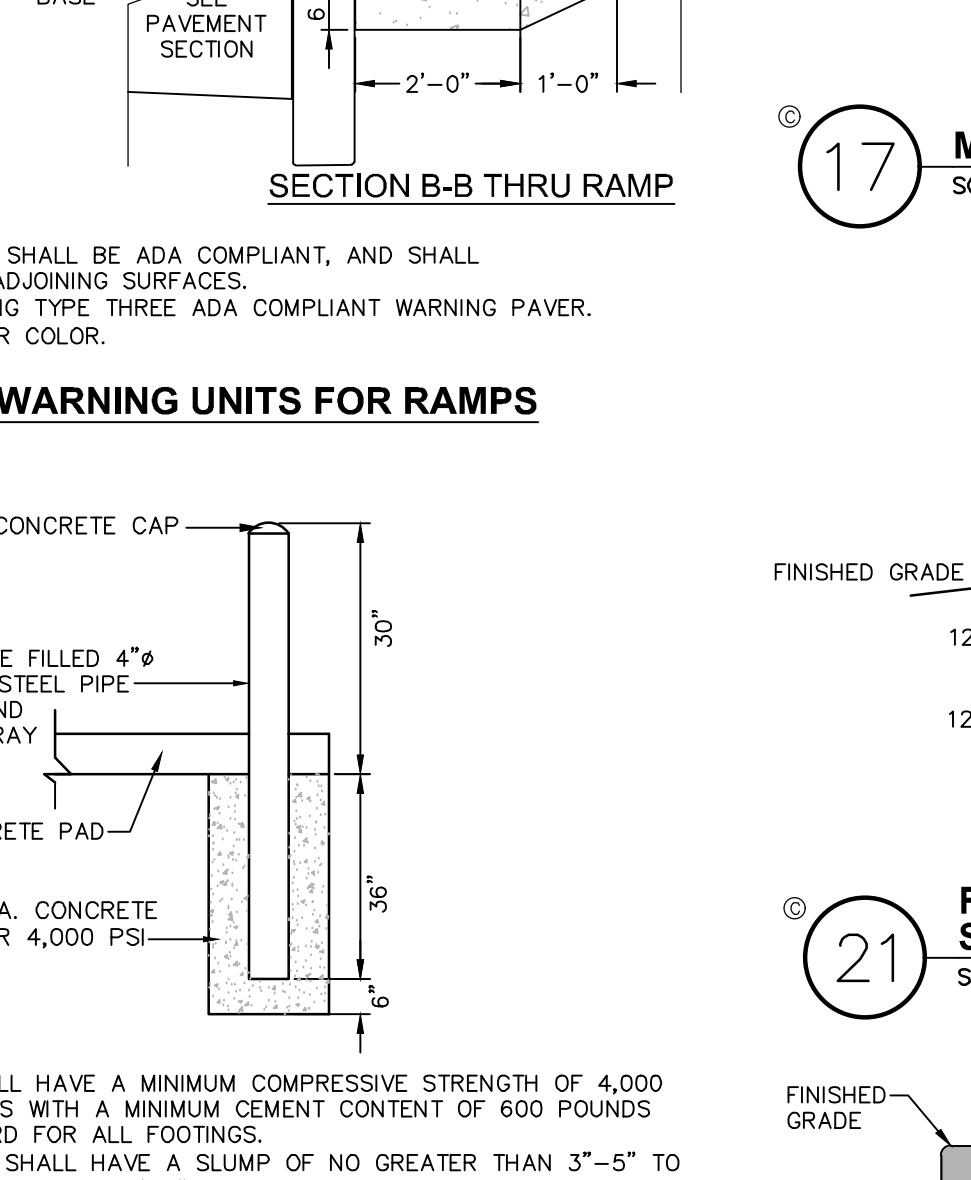
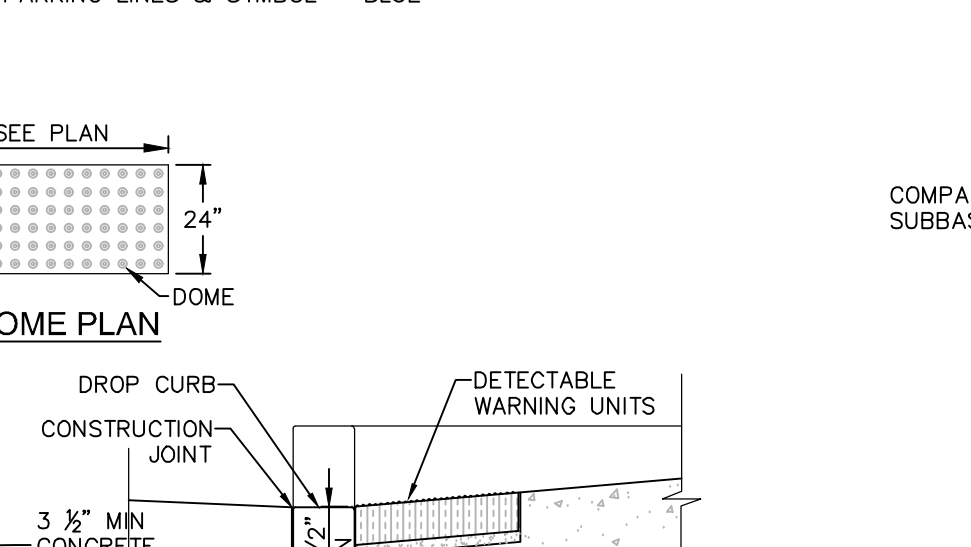
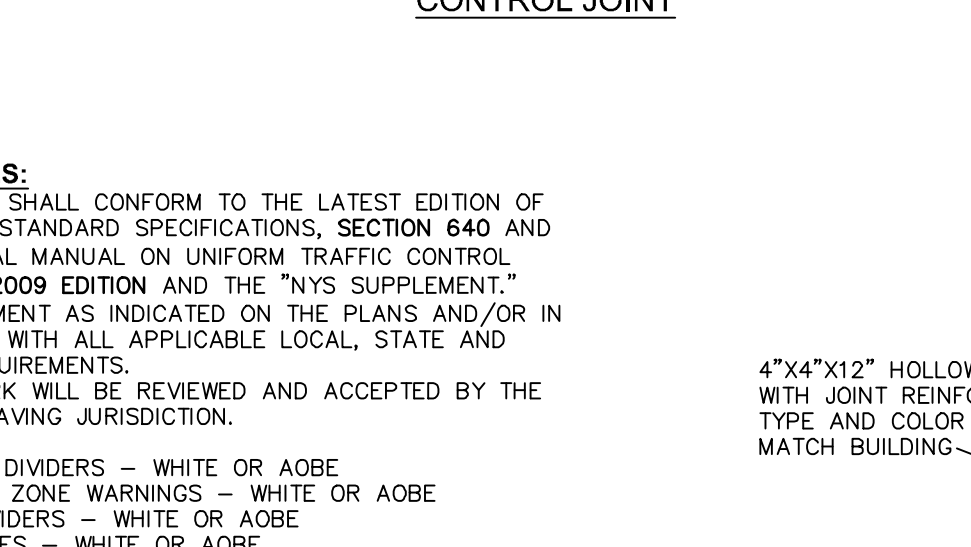
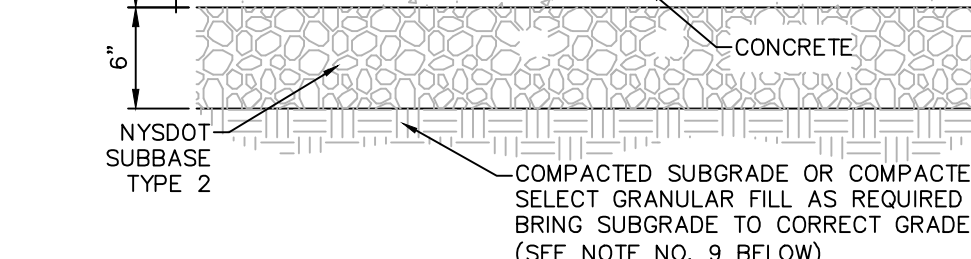
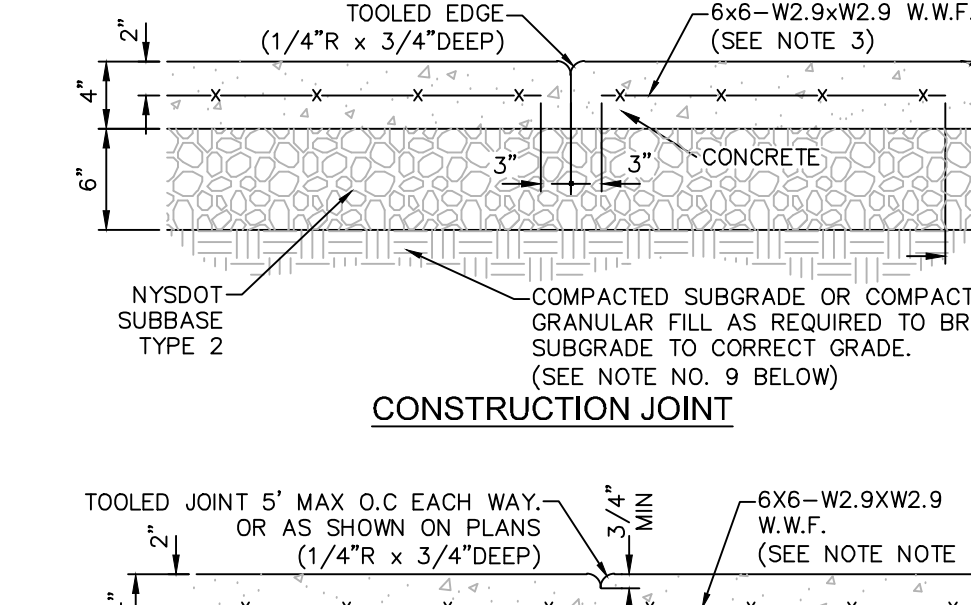
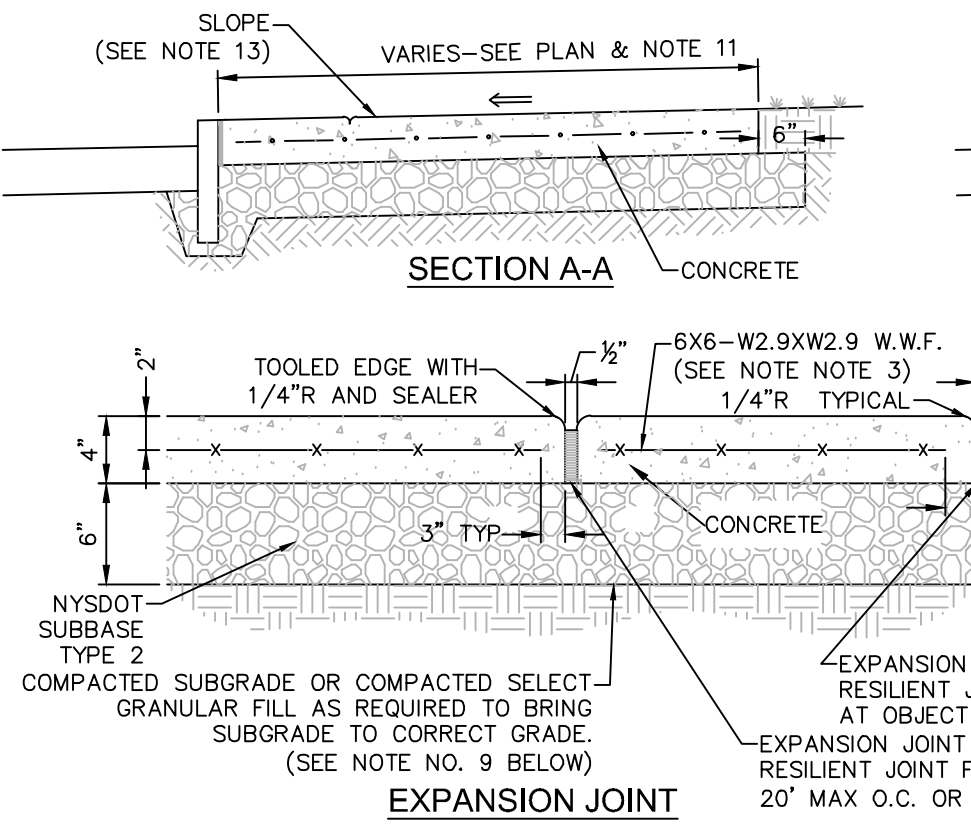
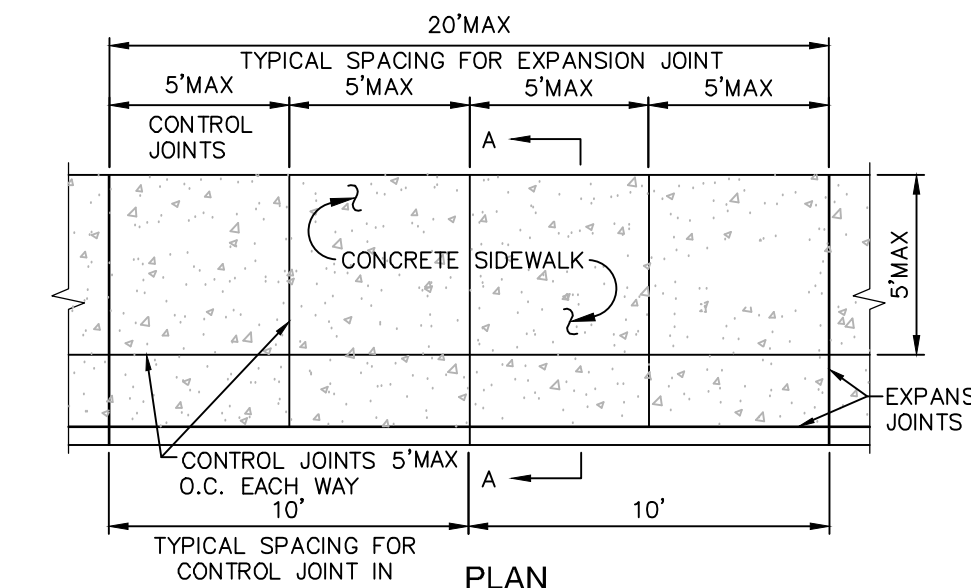
MUTCD SIGN SCHEDULE									
SIGN NO.	SIGN FACE	MUTCD NUMBER	MIN SIZE	COLORS	LEGEND	MOUNTING			
1	STOP	R1-1	30"x30"	RED	WHITE	18" (C530)			
2	YIELD	NY R7-8D	12"x18"	WHITE/BLUE	GREEN/WHITE	17" (C530)			
3	VAN ACCESSIBLE	R7-8P	12"x6"	WHITE	BLUE	15" (C530)			
4	NO PARKING ANY TIME	R7-1	12"x18"	WHITE	RED	17" (C530)			
5	NO PARKING	R5-1	30"x30"	RED	WHITE	14" (C530)			
6	K-1799 (OR EQUAL)	18"x18"	WHITE	BLACK	17" (C530)				
7	NO LEFT TURN	R6-1L	36"x12"	BLACK	WHITE	15" (C530)			
8	NO RIGHT TURN	R6-1R	36"x12"	BLACK	WHITE	15" (C530)			
9	RESERVED PARKING	K-1745 (OR EQUAL)	18"x12"	BLACK	WHITE	17" (C530)			
10		R3-2	30"x30"	WHITE	BLACK/RED	14" (C530)			



- NOTES:**
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERE TO.
 - SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE WITH COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
 - HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH SECTION 400 - HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 400 - HOT MIX ASPHALT (HMA) PAVEMENTS FOR MUNICIPALITIES.
 - TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407 - TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
 - WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203 - EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.



- SIGNAGE NOTES:**
- ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 645 AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" - 2009 EDITION AND THE "NYS SUPPLEMENT".
 - SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" - 2009 EDITION AND THE "NYS SUPPLEMENT".
 - SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD SPECS SECTION 730.



ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR OTHERWISE USED FOR ANY PURPOSE, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SIGNATURE DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

Office Locations:

- Hudson Valley Office: 21 For Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Green Falls, New York 12801, Phone: (518) 812-0513
- Digital District Office: 547 River Street, Poughkeepsie, New York 12601, Phone: (518) 273-0055
- Wastchester NY Office: 20 Elm Street (Suite 110), Green Falls, New York 12801, Phone: (518) 812-0513
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Williams Street (Suite 102), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.

Office Locations:

- Hudson Valley Office: 21 For Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Green Falls, New York 12801, Phone: (518) 812-0513
- Digital District Office: 547 River Street, Poughkeepsie, New York 12601, Phone: (518) 273-0055
- Wastchester NY Office: 20 Elm Street (Suite 110), Green Falls, New York 12801, Phone: (518) 812-0513
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Williams Street (Suite 102), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

NO.	DATE	DESCRIPTION
1	02/16/21	GENERAL REVISIONS REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
3	08/03/20	GENERAL REVISIONS REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED

NO.	DATE	DESCRIPTION
1	02/16/21	GENERAL REVISIONS REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
3	08/03/20	GENERAL REVISIONS REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED

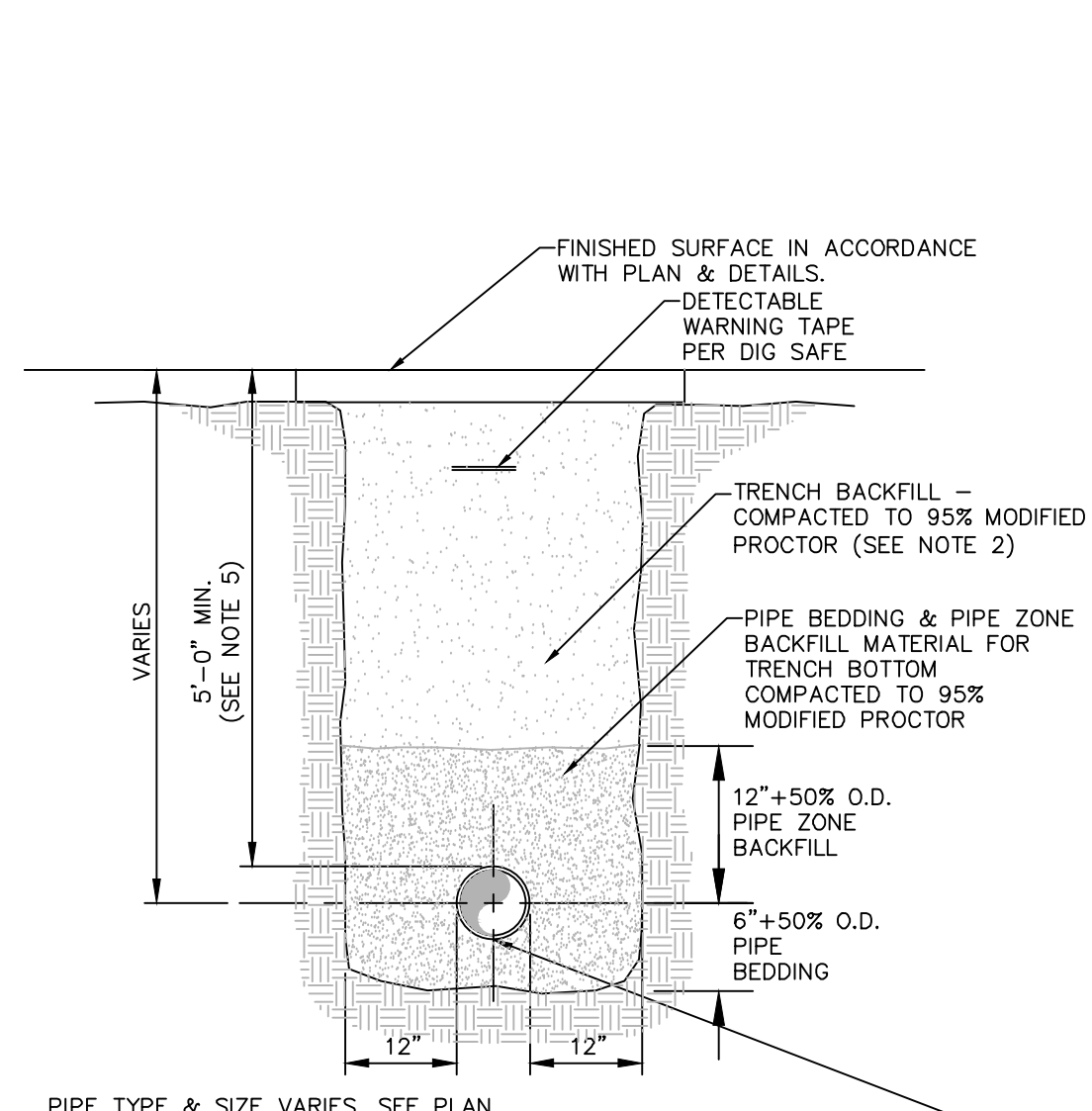
GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

SITE DETAILS

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

ISSUED FOR SITE PLAN REVIEW

designed SPL checked CPL
date 01/09/2013 NTS
project no. 81941.00
sheet no. C530



NOTES:

- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

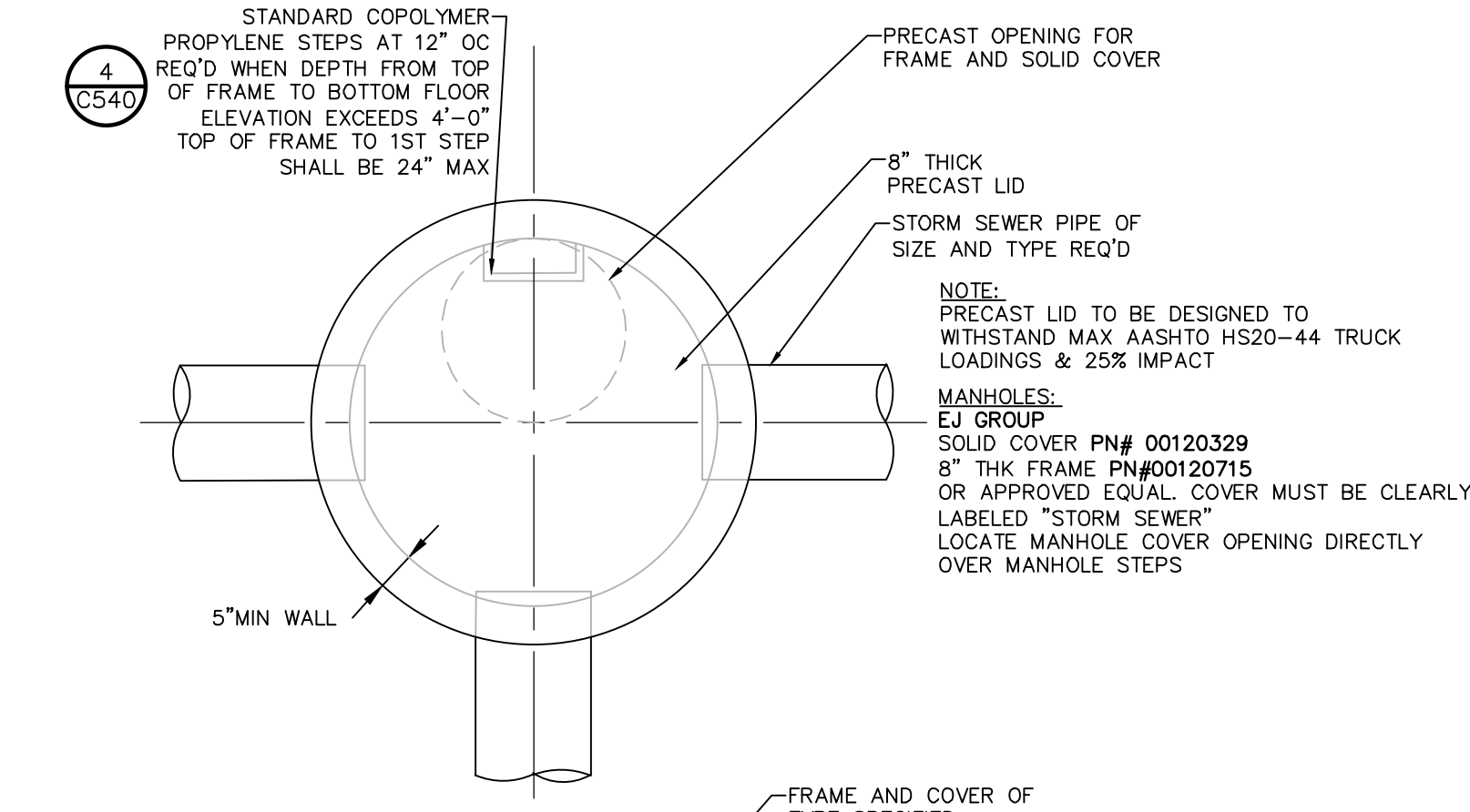
SIEVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%

- TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
100%	
NO. 40	0-70%
NO. 200	0-10%

- IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.
- INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLABS.
- TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
- 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

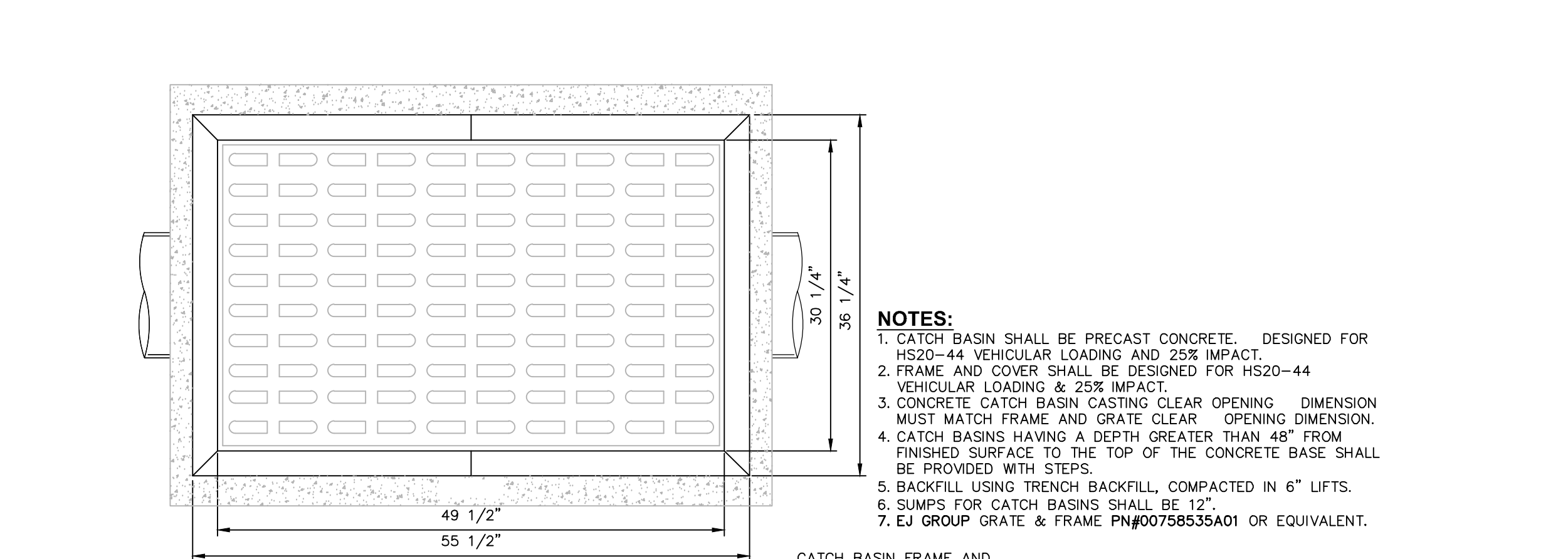
1 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE



NOTES:

- STRUCTURE SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
- FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
- CONCRETE STRUCTURE LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
- STRUCTURE HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE FLOOR OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
- BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
- ECCENTRIC CONE TOP CAN BE USED FOR MANHOLES DEPTH GREATER THAN 7 FEET.
- ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ASTM C478.

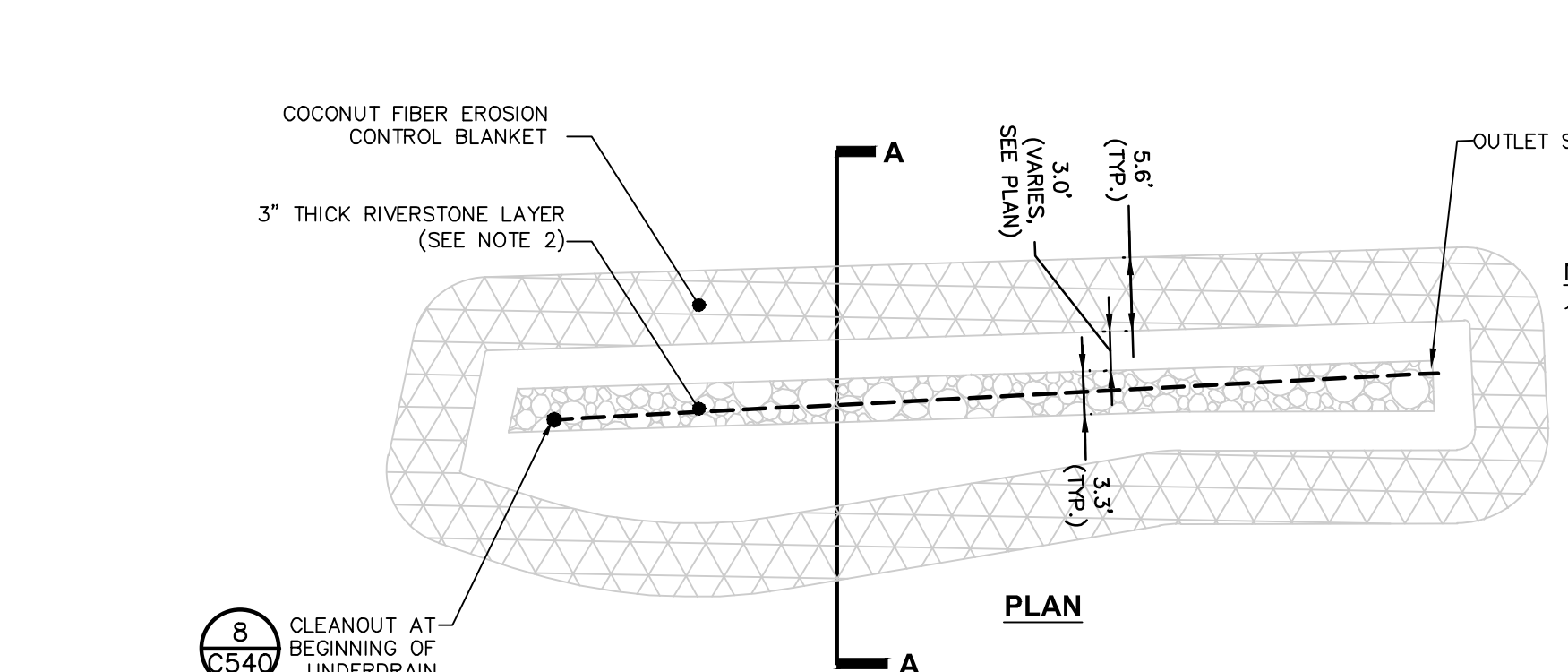
2 PRECAST CONCRETE MANHOLE DETAIL
SCALE: NOT TO SCALE



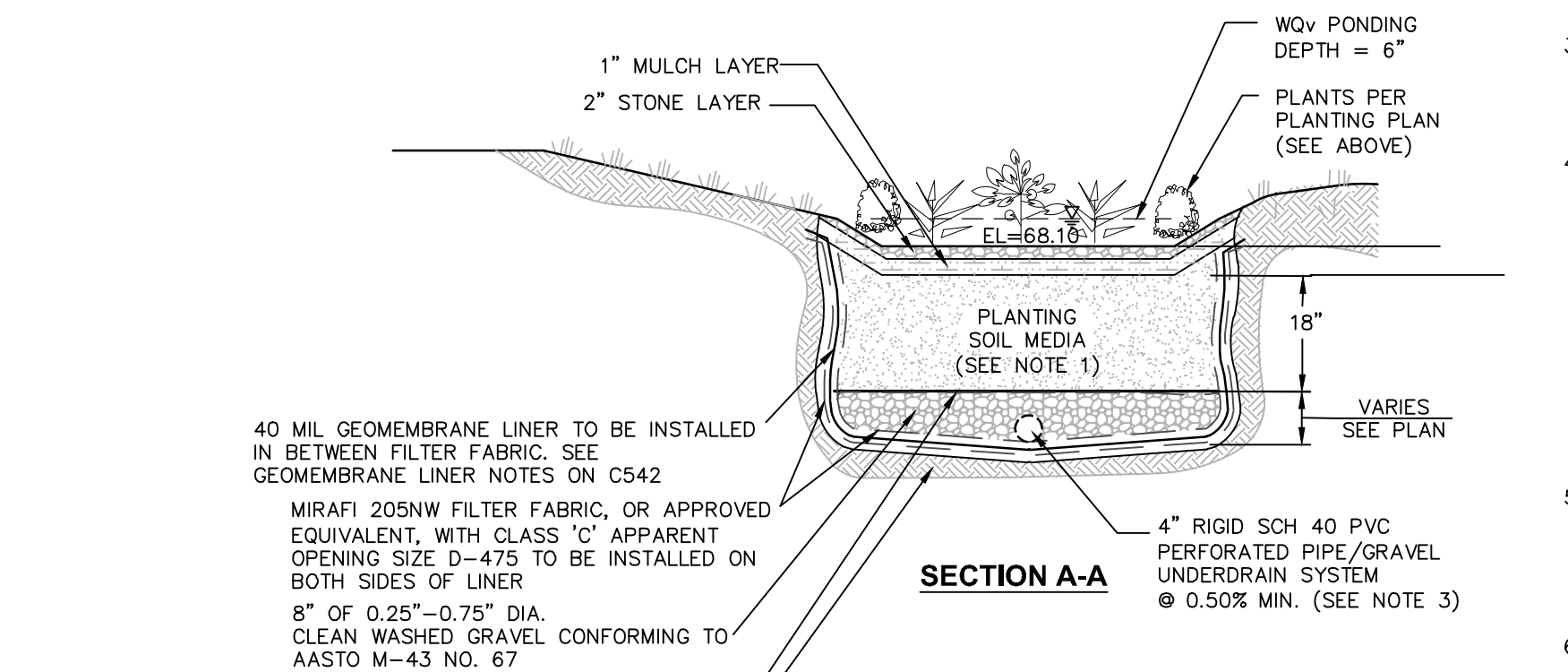
NOTES:

- CATCH BASIN SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
- FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
- CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
- CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
- BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
- SUMPS FOR CATCH BASINS SHALL BE 12".
- EU GROUP GRATE & FRAME PN#00758535A01 OR EQUIVALENT.

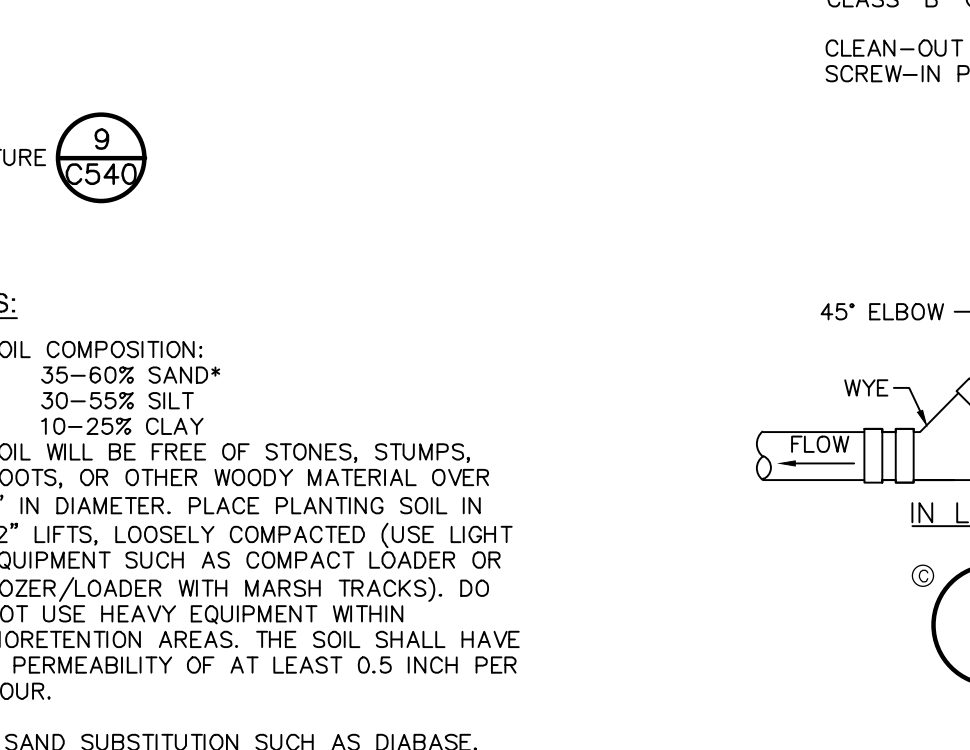
3 PRECAST CONCRETE RECTANGULAR CATCH BASIN DETAIL
SCALE: NOT TO SCALE



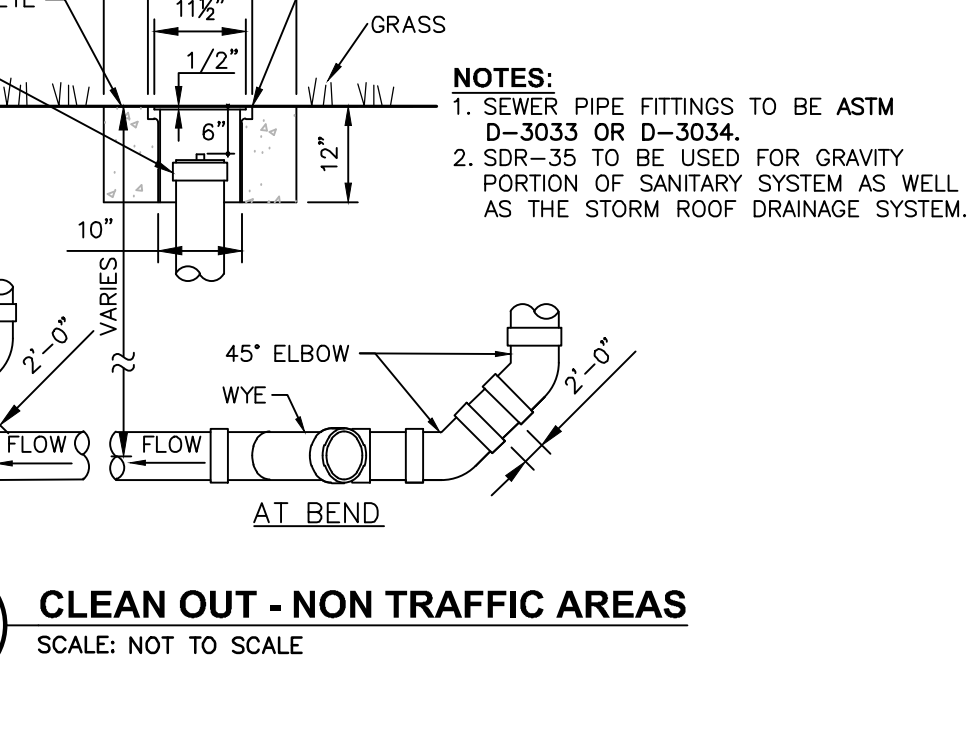
4 COCONUT FIBER EROSION CONTROL BLANKET
SCALE: NOT TO SCALE



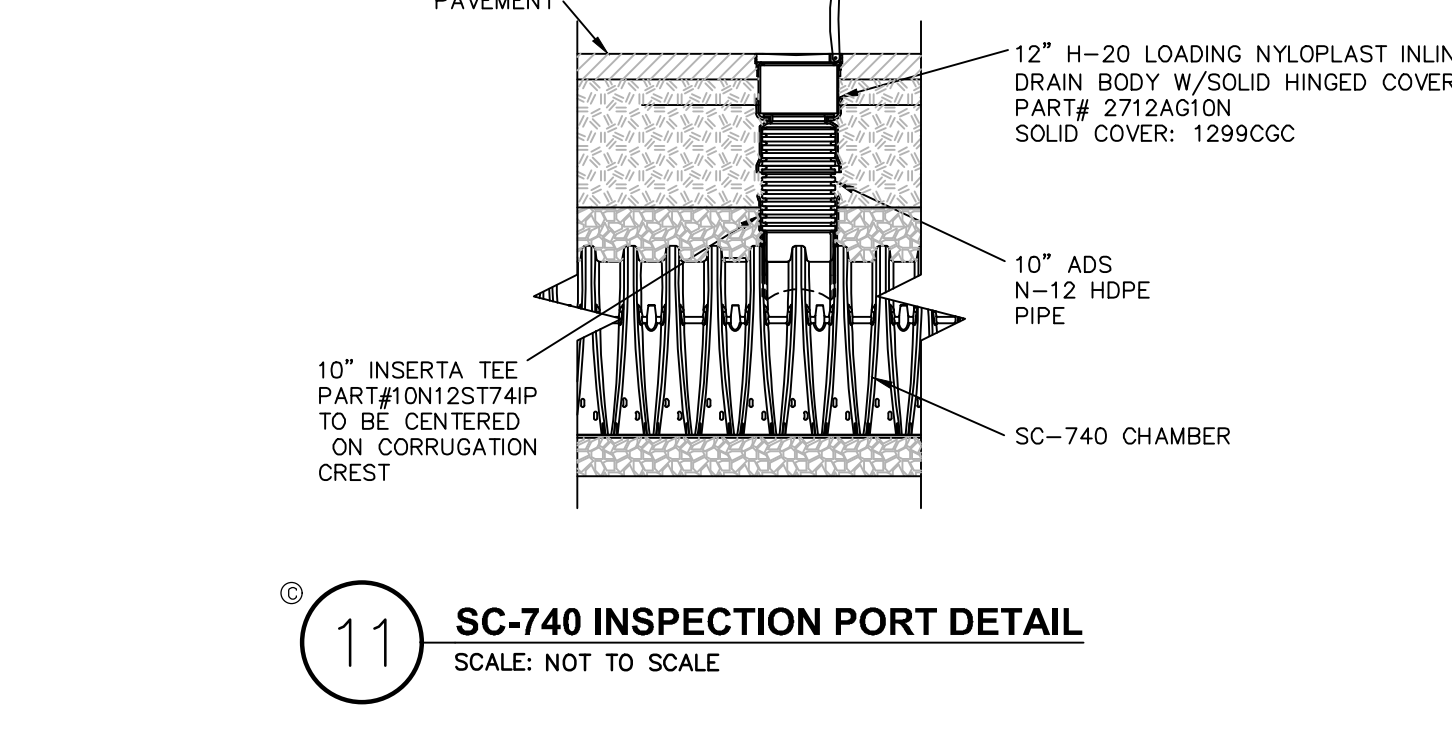
5 MODIFIED BIORETENTION AREA DETAIL
SCALE: NOT TO SCALE



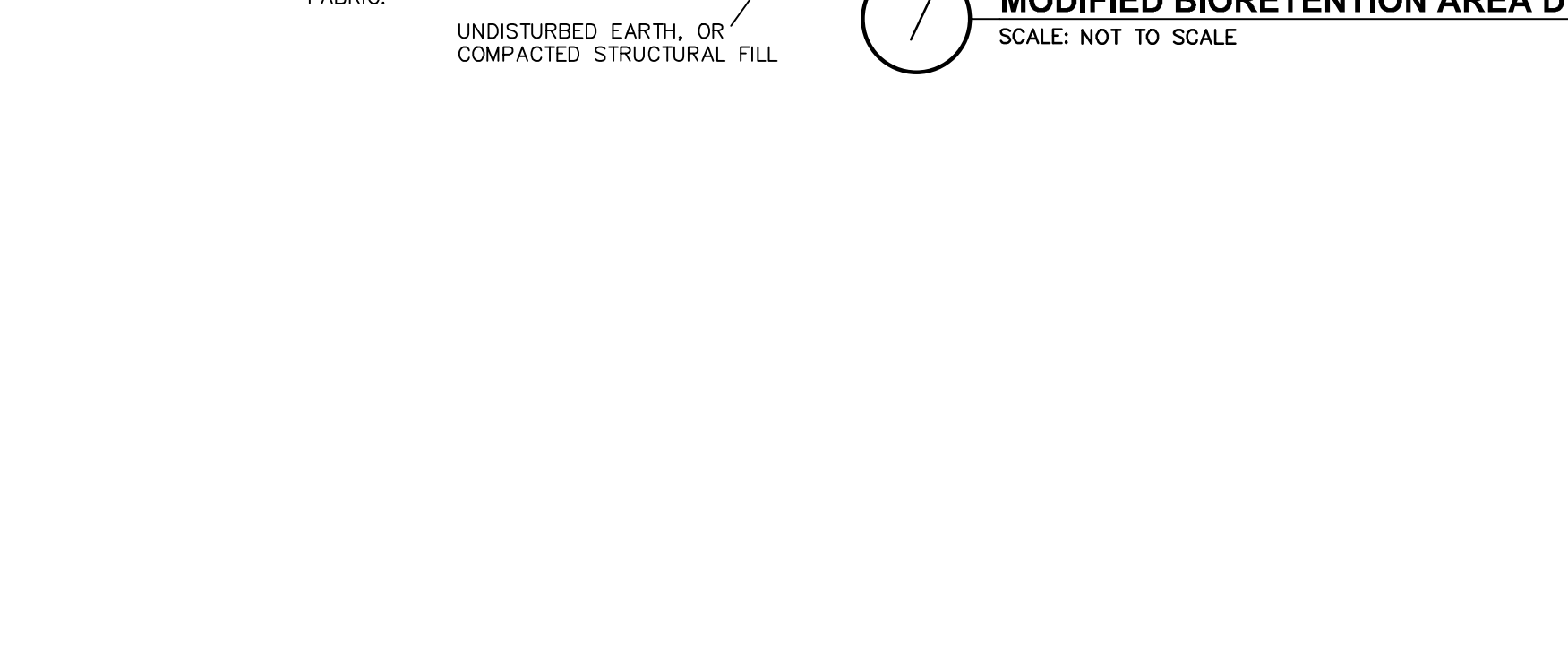
6 CLEAN-OUT - NON TRAFFIC AREAS
SCALE: NOT TO SCALE



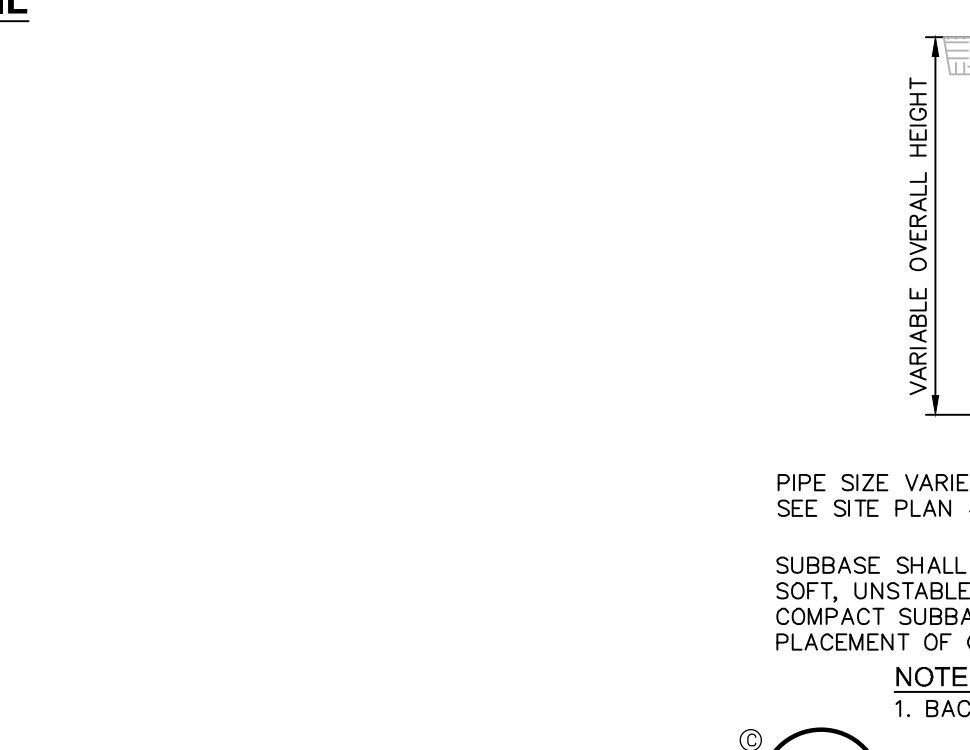
7 12\"/>



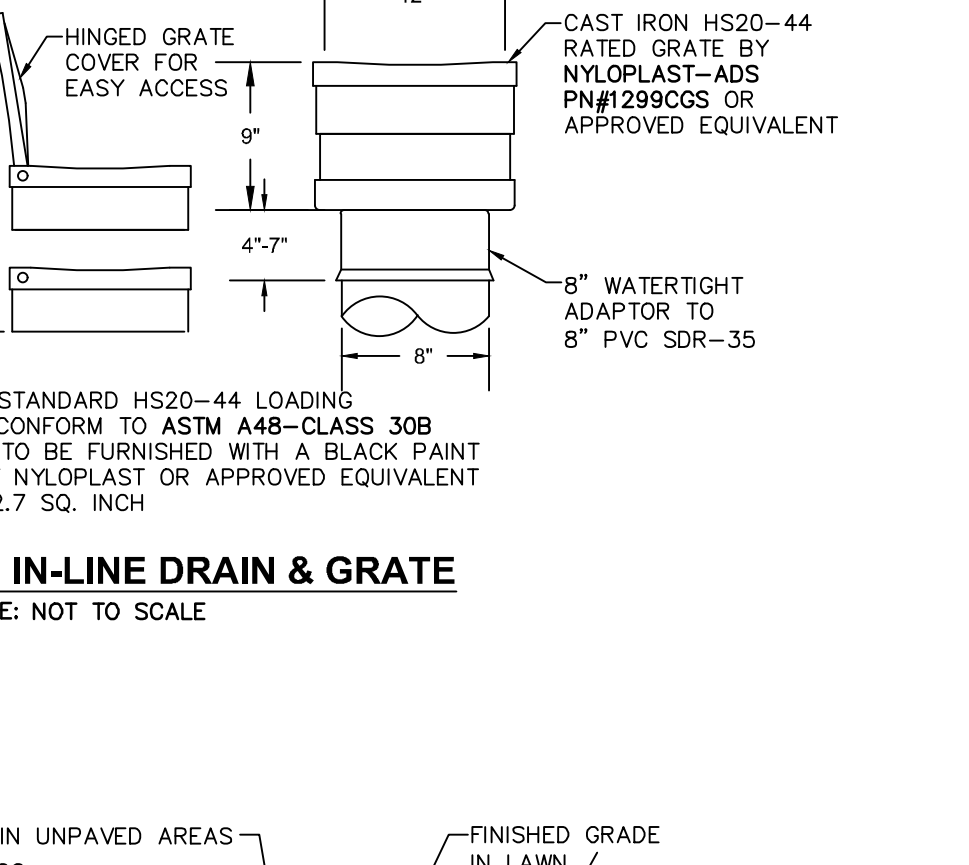
8 SC-740 INSPECTION PORT DETAIL
SCALE: NOT TO SCALE



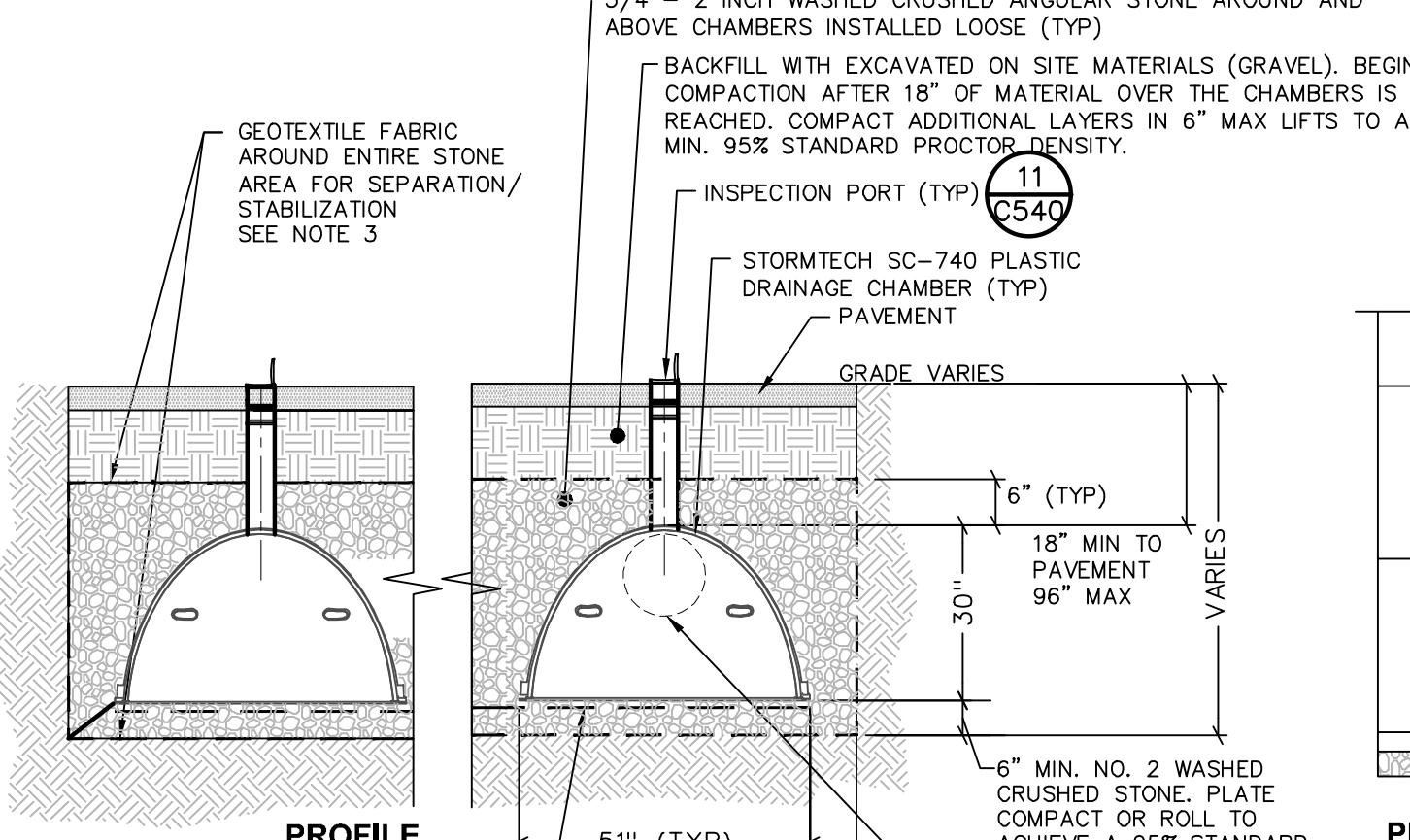
9 NYOPLAST H-20 LOADING IN-LINE DRAIN BASIN
SCALE: NOT TO SCALE



10 SUBSURFACE INFILTRATION SYSTEM - TYPICAL CROSS SECTION
SCALE: NOT TO SCALE



11 PRECAST CONCRETE SHALLOW CATCH BASIN DETAIL
SCALE: NOT TO SCALE

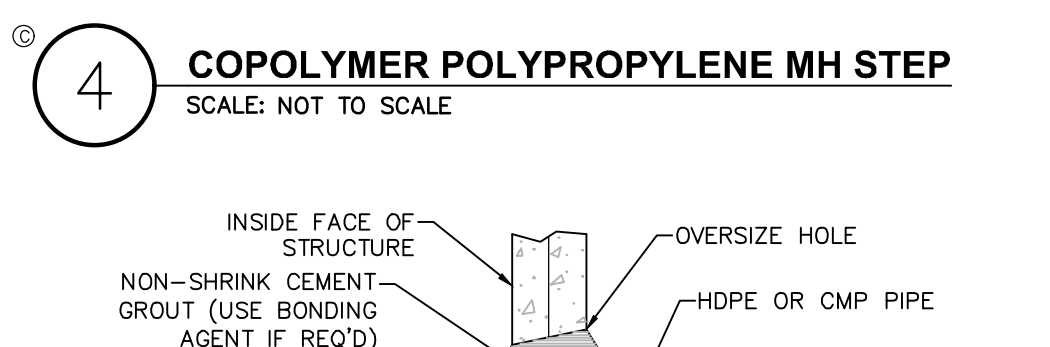


12 GEOTEXTILE FABRIC OVER FOUNDATION STONE FOR SEPARATION/STABILIZATION
SCALE: NOT TO SCALE

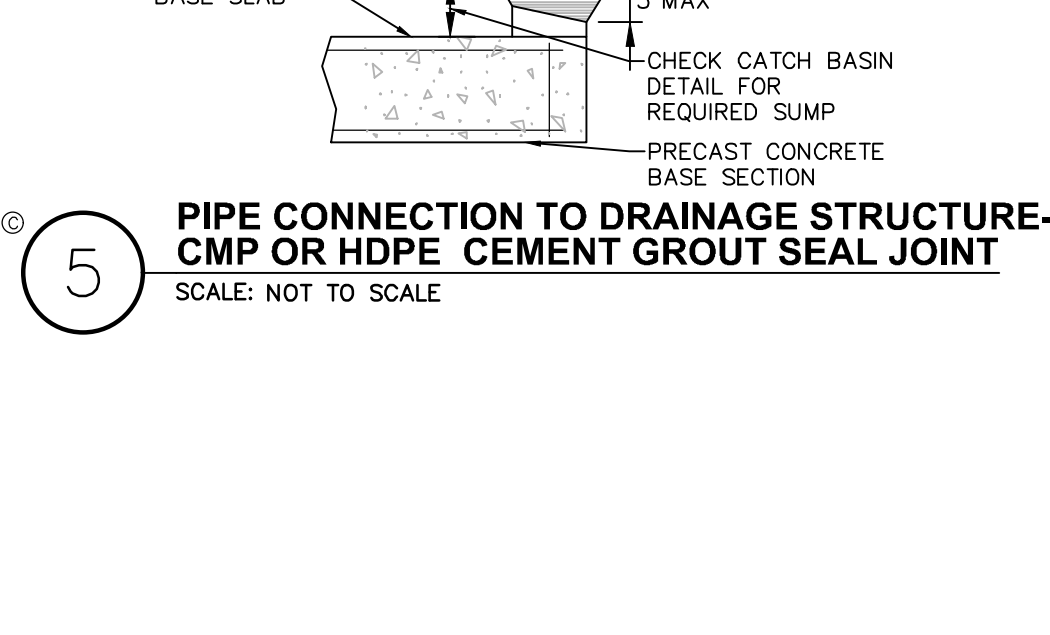
ACCEPTABLE MANHOLE STEPS

MANUFACTURER	PATTERN NUMBER	A" STEP WIDTH	B" LEG LENGTH	C" RUNG CLEAR	D" RUNG EMBEDMENT	E" RUNG CLEAR
M.A. INDUSTRIES INC*	PS2-PF	14 3/4	9 1/4	13 3/4	3 3/8	5 7/8
M.A. INDUSTRIES INC*	PS2-PFS	14 3/4	8 1/4	13 3/4	3 3/8	4 7/8

* OR EQUIVALENT
MH STEP DESIGN AND INSTALLATION SHALL COMPLY WITH ALL OSHA REGULATIONS



13 COPOLYMER POLYPROPYLENE MH STEP
SCALE: NOT TO SCALE



14 PIPE CONNECTION TO DRAINAGE STRUCTURE - CMP OR HDPE CEMENT GROUT SEAL JOINT
SCALE: NOT TO SCALE

STORM SEWER NOTES:

- ALL STORM WATER MANAGEMENT STRUCTURES (I.E. CATCH BASIN, ETC.) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. CATCH BASINS SHALL BE CLEANED WHEN SEDIMENT DEPTH REACHES A MAXIMUM OF 1/2 THE AVAILABLE SUMP DEPTH.
- IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT (A.K.A. SUMP PIT) TO TRAP AND FILTER WATER FOR PUMPING TO A SUITABLE DISCHARGE AREA. THE DEWATERING PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, LATEST EDITION.
- ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE AS OUTLINED ON THE EROSION AND SEDIMENT CONTROL PLANS, DETAILS AND NOTES.

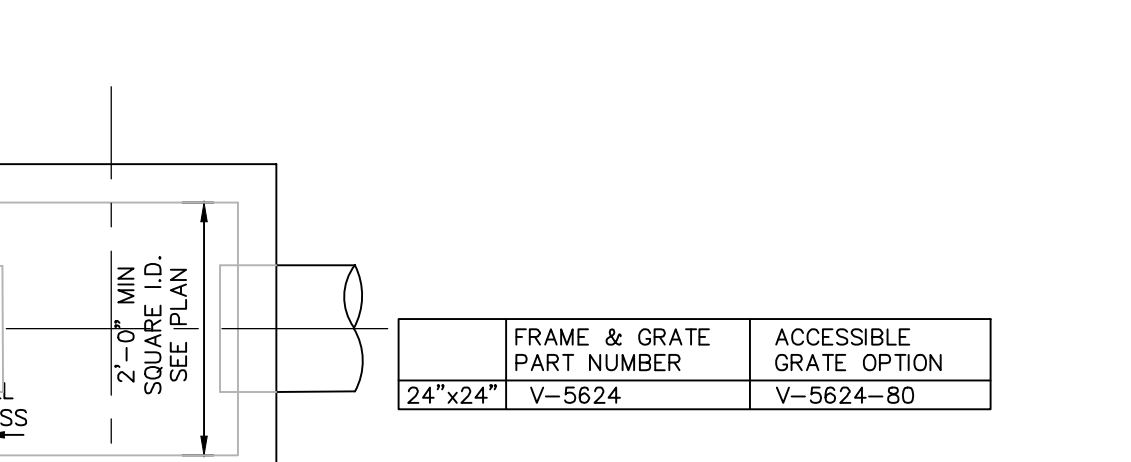
TYPICAL HDPE END SECTION

PIPE DIA.	A	B	C	D
12"	52"	14"	34"	6"
15"	42"	17"	34"	6"
18"	59"	21"	48"	6"
24"	69"	27"	48"	6"
30"	82"	34"	58"	6"
36"	82"	41"	58"	6"

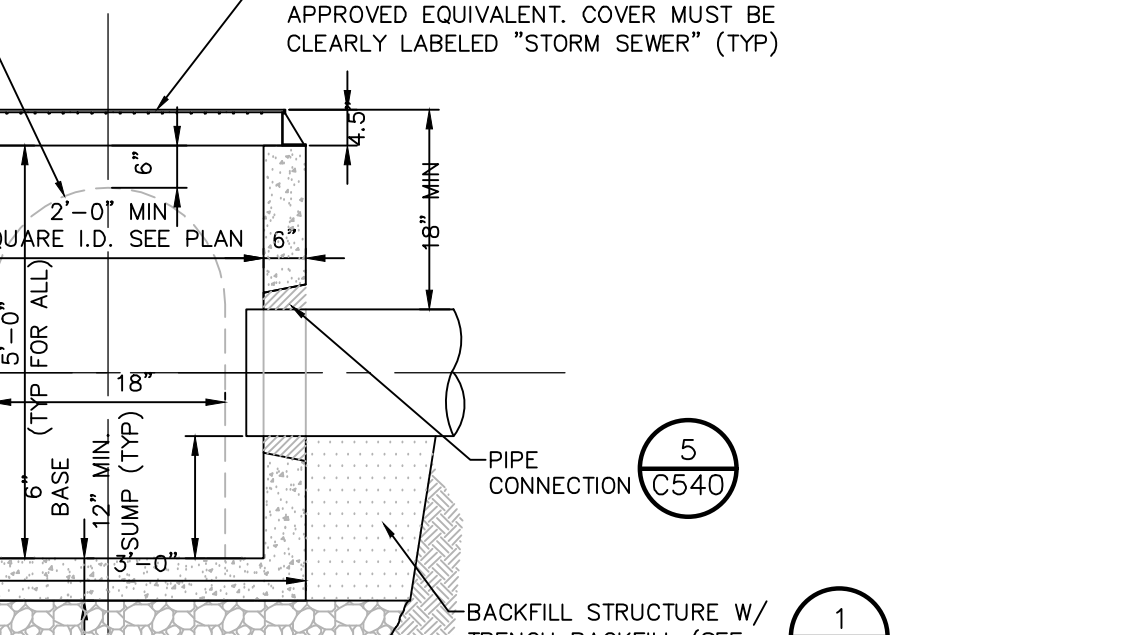
NOTES:

- THIS SPECIFICATION DESCRIBES 12" THROUGH 36" INCH ADS FLARED END SECTIONS FOR USE IN CULVERT AND DRAINAGE OUTLET APPLICATIONS. FES LARGER THAN 30" SHALL USE CIRCULAR CORRUGATED METAL FLARED END SECTIONS.
- REQUIREMENTS: THE INVERT OF THE PIPE AND THE END SECTION SHALL BE AT THE SAME ELEVATION. THE ADS FLARED END SECTION SHALL BE HIGH DENSITY POLYETHYLENE MEETING ASTM D3500 MINIMUM CELL CLASSIFICATION 213200; CONTACT MANUFACTURER FOR ADDITIONAL CELL CLASSIFICATION INFORMATION. WHEN PROVIDED, THE METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL.
- INSTALLATION: INSTALLATION SHALL BE IN ACCORDANCE WITH ADS INSTALLATION INSTRUCTIONS AND WITH THOSE ISSUED BY STATE OR LOCAL AUTHORITIES. CONTACT YOUR LOCAL ADS REPRESENTATIVE OR VISIT WWW.ADS-PIPE.COM FOR THE LATEST INSTALLATION INSTRUCTIONS.
- PROVIDE TRASH RACK ONLY WHERE SPECIFIED ON SITE PLANS.

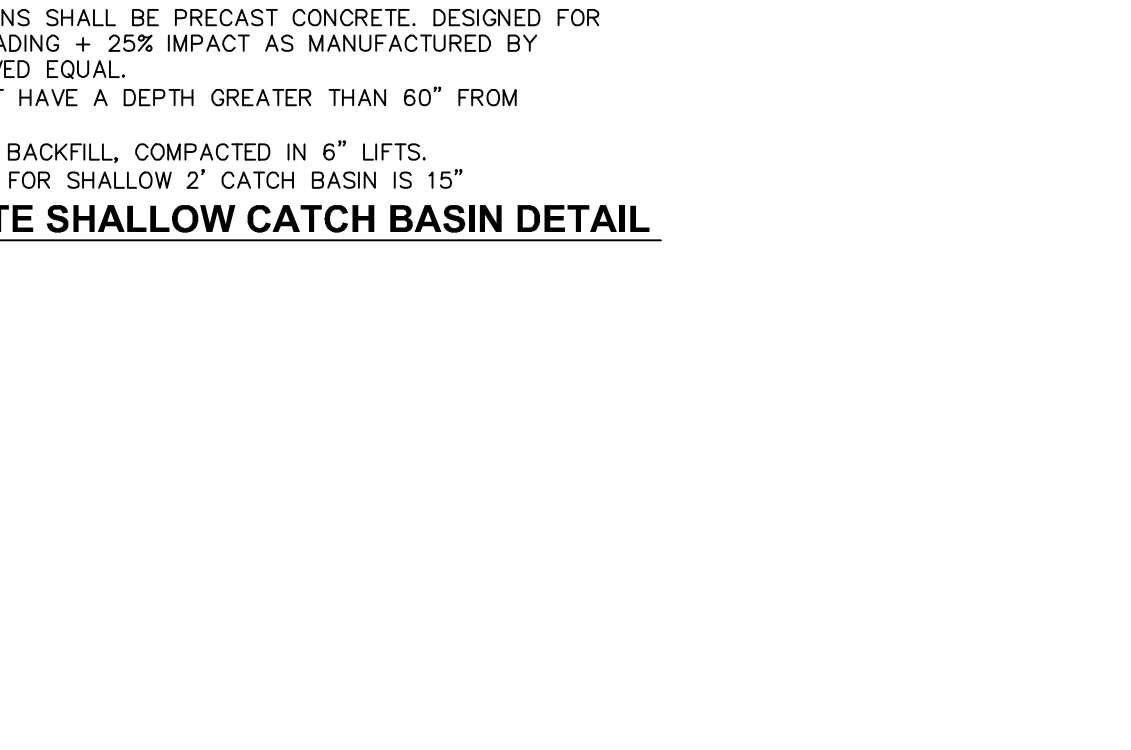
15 TYPICAL END SECTION - HDPE
SCALE: NOT TO SCALE



16 FRAME & GRATE ACCESSIBLE
SCALE: NOT TO SCALE



17 SQUARE CATCH BASIN FRAME AND GRATE
SCALE: NOT TO SCALE



18 PRECAST CONCRETE SHALLOW CATCH BASIN DETAIL
SCALE: NOT TO SCALE

Dig Safely New York

Call Before You Dig
Want The Required Time
Control Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUBMITTED FOR MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. ALL AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL ATTEST TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Westchester NY Office: 20 Elm Street (Suite 110), Green Falls, New York 12601, Phone: (518) 812-0513
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilma Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

NO.	DATE	DESCRIPTION
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS
rev.	date	description

GASLAND PETROLEUM, INC. - NYS RTE 9D/CB 28 - TOWN OF WAPPINGER

STORMWATER DETAILS

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed SPL checked CPL
date 01/09/20 scale NTS
project no. 81941.00
sheet no. **C540**

FABRICATION:

1. THE INDIVIDUAL WIDTHS OF THE GEOMEMBRANE LINER FABRIC SHALL BE ASSEMBLED INTO LARGE SHEETS CUSTOM-DESIGNED FOR THE SPECIFIC PROJECT SO AS TO MINIMIZE FIELD SEAMING. ALL FACTORY SEAMS SHALL PROVIDE A BOND BETWEEN THE SHEET GOODS SUFFICIENTLY STRONG TO MEET THE TEST REQUIREMENTS OF THESE SPECIFICATIONS.
2. ALL MACHINES USED IN THE SEAMING PROCESS SHALL BE TESTED DAILY, PRIOR TO ANY FABRICATION, BY WELDING A 6" LONG TEST SAMPLE OF THE MATERIAL AND MANUALLY FEEL TESTING ALONG THE ENTIRE LENGTH. EACH TEST MUST SHOW FULL TEAR BONDING ALONG THE LENGTH OF THE SEAM TO BE CONSIDERED A "PASS". ALL RESULTS SHALL BE RECORDED IN THE TEST REPORT LOG AND MUST INCLUDE DATE, TIME, MACHINE #, OPERATOR, TEMP AND SPEED AS WELL AS PASS/FAIL INDICATION. IF THE SAMPLE FAILS THE TESTING, MAKE APPROPRIATE CORRECTIONS TO THE EQUIPMENT AND RETEST AS STATED ABOVE.
3. MACHINES WILL BE FURTHER REQUALIFIED AFTER THE FOLLOWING: CHANGE OF MATERIAL, UNEXPECTED POWER LOSS, CHANGE OF OPERATOR, OR SHUTDOWNS OF 45 MINUTES OR LONGER.
4. THE FACTORY SEAMING SHALL BE PERFORMED ON THERMAL WELDING EQUIPMENT WITH PRESSURE WHEELS AND SHALL CONSIST OF SEAMS OF 2" MINIMUM WIDTH IN THE CASE OF WEDGE WELDING, 1.5" WIDTH IN THE CASE OF HOT AIR WELDING, WHICH WILL PROVIDE A FIRM, TEARING BOND OF BOND OF THE FABRIC TENSILE STRENGTH. ALL SEAMS SHALL BE VISUALLY INSPECTED ALONG THEIR ENTIRE LENGTH, AND DESTRUCTIVE TESTED AT AN INTERVAL NOT TO EXCEED 500 LINEAL FEET OF FACTORY SEAM PER MACHINE.

LINING BASE MATERIAL:

1. A BASE SHALL BE PREPARED ON THE BOTTOM AND SLOPES OF THE AREA TO BE LINED. THIS BASE SHALL BE FREE OF ALL SHARP OBJECTS, ROOTS, GRASS AND VEGETATION. UNSUITABLE MATERIAL FOUND DURING THE PRE-INSTALLATION INSPECTION BY THE INSTALLER SHALL BE REMOVED PRIOR TO THE INSTALLATION OF THE LINER.
2. FOREIGN MATERIALS, VEGETATION, PROTRUSIONS, VOIDS, CRACKS AND OTHER PENETRATING OR RAISED SURFACES SHALL BE REMOVED FROM THE SLOPING AREAS AS WELL AS THE BASE. LOOSE ROCKS, RUBBLE AND OTHER FOREIGN MATERIAL SHALL BE COLLECTED AND DEPOSITED IN THE APPROPRIATE SITE OUT OF THE AREA TO BE LINED. THE EXCAVATED AND FILLED AREAS SHALL BE TRIMMED TO ELEVATIONS AND CONTOURS SHOWN ON THE DRAWINGS AND SHALL BE SMOOTH, UNIFORM AND FREE OF ALL FOREIGN MATTER, VEGETATION AND SUDDEN CHANGES IN GRADE.
3. A PRE-INSTALLATION INSPECTION SHALL BE CALLED FOR AND ALL INTERESTED PARTIES, INCLUDING GOVERNMENTAL AGENCIES SHALL BE PRESENT FOR THIS INSPECTION. ANY PARTIES NOT PARTICIPATING IN THIS INSPECTION SHALL BE CONSIDERED AS ACCEPTING THE SITE PREPARATION AND WILL ACKNOWLEDGE THIS DEFECTO ACCEPTANCE IN WRITING AT THE APPROPRIATE TIME.
4. THE SUB GRADE SHALL BE PREPARED IMMEDIATELY PRIOR TO THE PLACING OF THE LINER. THE SURFACE ON WHICH THE LINER IS TO BE PLACED IS TO BE FIRM, CLEAN, DRY AND SMOOTH. ANCHOR TRENCH EXCAVATION AND ANY STRUCTURE SEAL PREPARATION SHOULD BE COMPLETED BEFORE THE LINING INSTALLATION BEGINS.

LINING INSTALLATION:

1. A CONTINUOUS SHEET OF LINER SHALL BE INSTALLED THROUGHOUT THE INSTALLATION SITE. THE LINING SHALL BE PLACED OVER THE PREPARED SURFACES TO BE LINED IN SUCH A MANNER AS TO ASSURE A MINIMUM OF HANDLING. THE SHEETS SHALL BE OF PRESCRIBED LENGTHS AND WIDTHS AND SHALL BE PLACED IN SUCH A MANNER AS TO MINIMIZE FIELD SEAMS. ONLY THOSE PIECES OF FABRIC THAT CAN BE INSTALLED AND ANCHORED IN PLACE DURING THE WORKDAY SHALL BE UNPACKED AND PLACED IN POSITION.
2. SANDBAGS AND OR OTHER SUITABLE WEIGHTS MAY BE USED AS REQUIRED TO HOLD THE LINING IN POSITION DURING THE INSTALLATION. THE WEIGHTS SHALL NOT HAVE ANY SHARP EDGES WHICH MAY SNAG OR OTHERWISE PENETRATE THE LINER FABRIC. CARE SHOULD BE TAKEN TO KEEP THE SEAM AREAS AS CLEAN AS POSSIBLE. IT MAY BE NECESSARY TO WIPE DOWN THE EDGES PRIOR TO HEAT-SEALING THE PANELS TOGETHER.
3. NO MATERIALS OR EQUIPMENT SHALL BE DRAGGED ACROSS THE FACE OF THE LINER NOR SHALL THE WORKMEN WHILE INSTALLING THE LINER TO AVOID ALL PENETRATIONS THROUGH THE LINING TO CONCRETE SEALS SHALL BE AFFECTED WITH MECHANICAL ANCHORS AS SHOWN ON DRAWINGS. ALL PIPES, STRUCTURES AND IRREGULAR PROJECTIONS SHALL BE SEALED AND FLASHED WITH THE FABRICATED BOOTS OR OTHER APPROVED SEALING METHODS.
5. A MEETING OF ALL INTERESTED PARTIES SHALL PROSCRIBE THE METHOD OF BACKFILLING OF THE SITE WITH THE APPROPRIATE MATERIALS. THE LINING INSTALLATION MANAGER PRIOR TO COMMENCEMENT OF THE BACKFILLING PROGRAM SHALL APPROVE ALL ACTIONS UNDERTAKEN TO PLACE THE TOP COVER MATERIAL.

FIELD SEAMS:

1. ALL SEAMING SHALL BE DONE WITH THERMAL HEAT-SEALING EQUIPMENT OR WITH THE ADHESIVES OF THE LINING FABRIC MANUFACTURER'S BRAND. HEAT-SEALING WITH AUTOMATIC WEDGE WELDING IS THE PREFERRED METHOD OF FIELD SEAMING WHENEVER POSSIBLE.
2. WEDGE WELDERS FOR FIELD SEAMS SHALL BE QUALIFIED PRIOR TO BEGINNING FIELD SEAMING. A 6" SECTION OF MATERIAL, AT CURRENT AMBIENT TEMPERATURE, SHALL BE WELDED AND MANUALLY TORN APART TO INSURE PROPER WELDING ADHESION.
3. LAP JOINTS REQUIRE A MINIMUM OF 2.5" OVERLAP OF THE FACTORY FABRICATED PANELS. THE CONTACT SURFACES OF THE PANELS MUST BE CLEANED AND ALL MOISTURE AND OTHER FOREIGN MATERIAL MUST BE REMOVED PRIOR TO HEAT SEALING.
4. IF THE SUB-SURFACE AREA IS NOT CAPABLE OF 95% COMPACTION IT MAY REQUIRE THE PLACEMENT OF A BACK BOARD OR RUB SHEET UNDER THE LINER TO GIVE A FIRM, DRY AND CLEAN WELDING SURFACE.
5. EXTREME CAUTION SHOULD BE TAKEN THROUGHOUT THE INSTALLATION TO AVOID WRINKLING THE EDGE OF THE LINER. THESE "FISH MOUTHS" MUST BE SUT BACK SUFFICIENTLY TO REMOVE THEM AND THE LINER SEALED TO INSURE TOTAL INTEGRITY.
6. ANY PORTION OF THE LINER DAMAGED OR HURT FOR ANY REASON SHALL BE REPAIRED OR REPLACED BY THE INSTALLATION CREW BEFORE IT DEPARTS. NORMALLY THE ENDS OF THE PANELS CAN BE USED FOR A PATCHING SOURCE.

PATCHING:

1. ANY REPAIRS RESULTING FROM DAMAGE DURING INSTALLATION SHALL BE REPAIRED WITH LIKE FABRIC AND HEAT SEALING TO ENSURE A SECURE LINING. IT IS RECOMMENDED THAT AT LEAST 2"-4" OF OVERLAP BE USED ON ANY PENETRATIONS, IT IS SUGGESTED THAT ANY MAJOR SOFFING BE REPLACED WITH UNDAUNED LINER.

INSPECTION:

1. A THOROUGH INSPECTION OF THE COMPLETED LINER INSTALLATION SHALL BE UNDERTAKEN BY A REPRESENTATIVE OF THE INSTALLER AND A REPRESENTATIVE OF THE OWNER OR THE ENGINEER IN CHARGE OF THE PROJECT. THE ENGINEER IS RESPONSIBLE FOR PROVIDING CERTIFICATION THAT LINER INSTALLATION IS WATER TIGHT.
2. CARE SHOULD BE TAKEN WHEN COVERING THE LINER TO PREVENT ANY DAMAGE TO THE GEOMEMBRANE OR GEOSYNTHETICS. AT NO TIME WILL CONSTRUCTION EQUIPMENT BE ALLOWED TO DRIVE DIRECTLY ON THE LINER. ACCESS ROADS FOR SOIL COVER SHOULD BE MAINTAINED TO PROVIDE 12" MINIMUM CLEARANCE. CONSTRUCTION EQUIPMENT ANY LINER AT ALL TIMES. DAMAGE TO THE LINER, SHALL BE REPAIRED PRIOR TO PROCEEDING WITH COVER. COSTS ASSOCIATED WITH REPAIRS ARE THE CONTRACTOR'S RESPONSIBILITY.

TYPICAL PIPE PENETRATION PROCEDURE:

1. AFTER INSTALLATION OF LINER, CAREFULLY CUT HOLE TO ALLOW PIPE TO SLIDE THROUGH LINER. ALLOW LINER TO FIT FLAT ON GROUND.
2. SLIDE BOOT OVER PIPE AND PUSH DOWN TO POND FLOOR/WALL, ETC....
3. CAREFULLY CUT BOOT FLANGE BASE SO THAT IT EXCEEDS THE CUT IN THE LINER BY 4 TO 6 INCHES IN ALL DIRECTIONS.
4. CLEAN LINER AND FLANGE. USE WATER, MEK, XYLENE, ETC... DO NOT USE SOAP.
5. MARK A LINE AROUND FLANGE AND REMOVE BOOT.
6. PLACE 2" WIDE DOUBLE-SIDED TAPE ON LINER (BOTTOM VIEW DRAWING). BE SURE TO OVERLAP AT CORNERS BY 3". LEAVE 1/4" LAYER ON THE TOP OF THE TAPE. USE A RAG TO FIRMLY PRESS DOWN THE TAPE AND WORK OUT ANY WRINKLES.
7. REPLACE BOOT REMOVE PROTECTIVE COVERING AND PRESS DOWN ON THE TAPE AND WORK OUT THE WRINKLES.
8. PLACE THE 4" SINGLE-SIDED TAPE COMPLETELY OVER THE EDGE OF THE BOOT, CENTERING ON THE SEAM.
9. PLACE BAND CLAMP ON BOOT RISER APPROXIMATELY 1" FROM TOP OF BOOT. TIGHTEN AND COVER WITH 4" SINGLE-SIDED TAPE.

FIELD TESTING:

ALL FIELD SEAMS SHALL BE VISUALLY INSPECTED ALONG THEIR ENTIRE LENGTH FOR INTEGRITY. IF REQUIRED BY CONTRACT SEAMS AND REPAIRS MAY ADDITIONALLY REQUIRE NON DESTRUCTIVE TESTING USING THE AIR LANCE METHOD (ASTM D4437) AS OUTLINED:
 A) INSTALLER WILL SUPPLY A COMPRESSOR AND AIR WAND WITH A FIXED NOZZLE TIP WITH AN OPENING APPROX. 3/4" WIDE X 1/8" HIGH.
 B) COMPRESSOR SHALL BE EQUIPPED WITH AN OUTPUT GAUGE AND THE ABILITY TO CONTINUOUSLY SUPPLY 30 PSI OF AIR PRESSURE.
 C) THE NON DESTRUCTIVE TEST INVOLVES RUNNING THE NOZZLE OF AIR 1/4" TO 1/2" AWAY FROM THE OUTSIDE EDGE OF THE FIELD SEAM FOR ITS ENTIRE LENGTH. IF AIR PENETRATES THE SEAM AREA THE AUDIBLE NOISE OR VISUAL PUFFING OF THE SEAM INDICATES AN AREA OF CONCERN AND SHOULD BE MARKED AND REPAIRED ACCORDINGLY.

Dig Safely. New York
 Call Before You Dig
 Dig with Confidence
 800-962-7962
 www.digsafely.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. IS PROHIBITED. THE DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY OTHER USE. ANY REVISIONS, MODIFICATIONS, OR ALTERATIONS TO THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PRODUCT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, SHALL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1993 AND THAT THIS SURVEY MAP HAS BEEN MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

Office Locations:
 Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
 Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
 Nashville Tennessee Office: 2416 21st Ave S. (Suite 103) Nashville, Tennessee 37212, Phone: (615) 380-1359
 North Country Office: 29 Elm Street (Suite 110) Queens Falls, New York 12601, Phone: (518) 812-0513
 Washington NY Office: 20 North Broadway, Suite 803 White Plains, New York 10601, Phone: (914) 997-8510
 Chattanooga Tennessee Office: 1426 Wilmsa Street (Suite 12) Chattanooga, Tennessee 37408, Phone: (423) 241-6575

rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

STORMWATER DETAILS

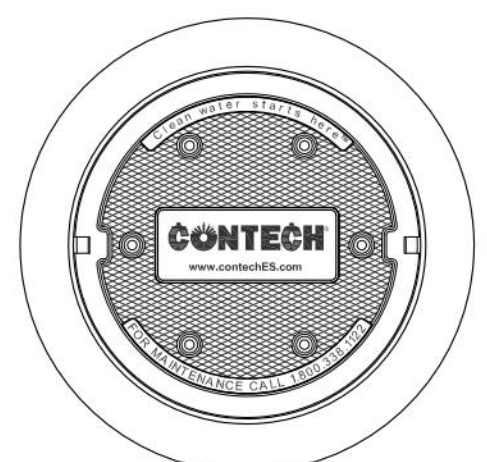
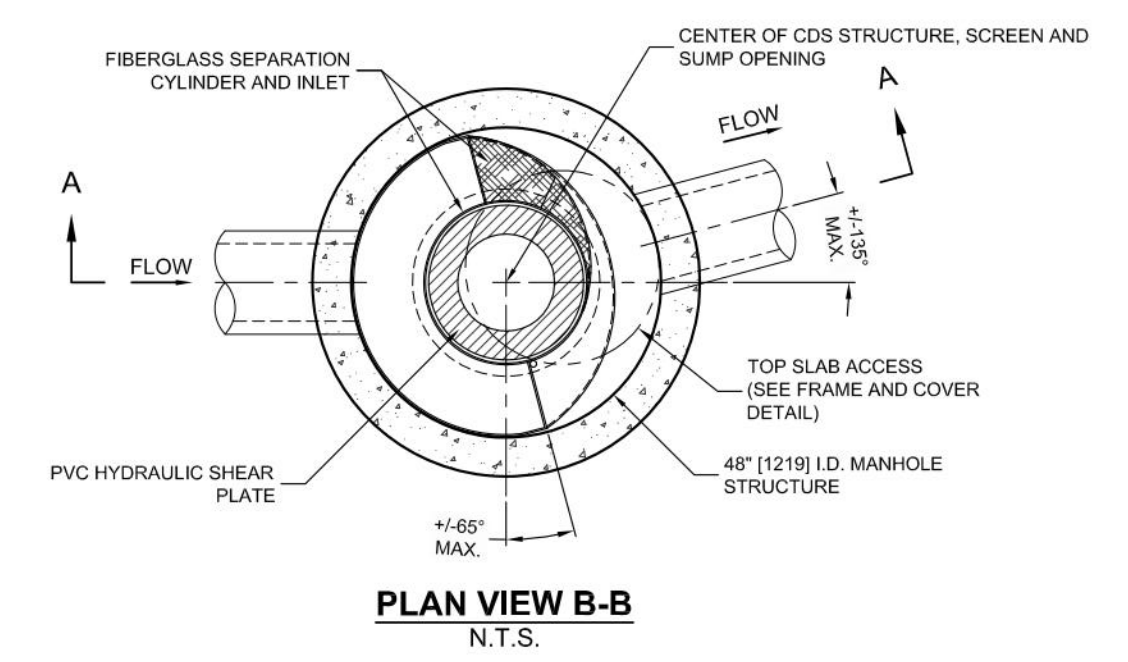
TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed SPL checked CPL
 date 01/09/20 scale NTS
 project no. 81941.00
 sheet no. **C541**

CDS2015-4-C DESIGN NOTES

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

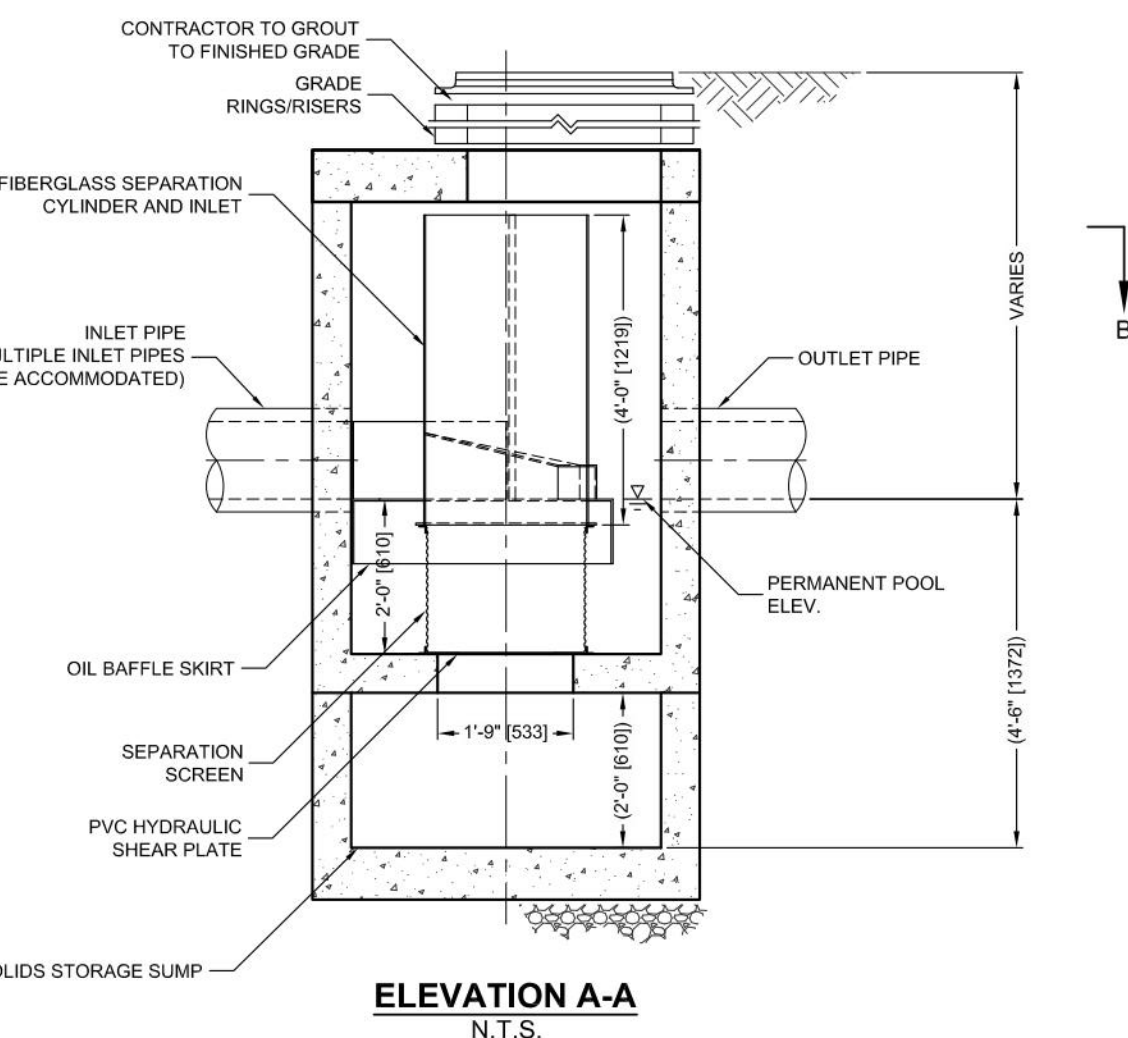
CONFIGURATION DESCRIPTION	
GRADED INLET ONLY (NO INLET PIPE)	-
GRADED INLET WITH INLET PIPE OR PIPES	-
CURB INLET ONLY (NO INLET PIPE)	-
CURB INLET WITH INLET PIPE OR PIPES	-
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	-
SEDIMENT WEIR FOR INLET/OUTLET CONFORMING UNITS	-



SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	WATER QUALITY FLOW RATE (GFS OR L/s)	PEAK FLOW RATE (GFS OR L/s)	RETURN PERIOD OF PEAK FLOW (YRS)	SCREEN APERTURE (GRID OR FWS)	PIPE DATA	INLET PIPE 1	INLET PIPE 2	OUTLET PIPE	RIM ELEVATION	ANTIFLOTATION BALLAST	WIDTH	HEIGHT
	-	-	-	-	-	-	-	-	-	-	-	-

NOTES/SPECIAL REQUIREMENTS:
 *PER ENGINEER OF RECORD



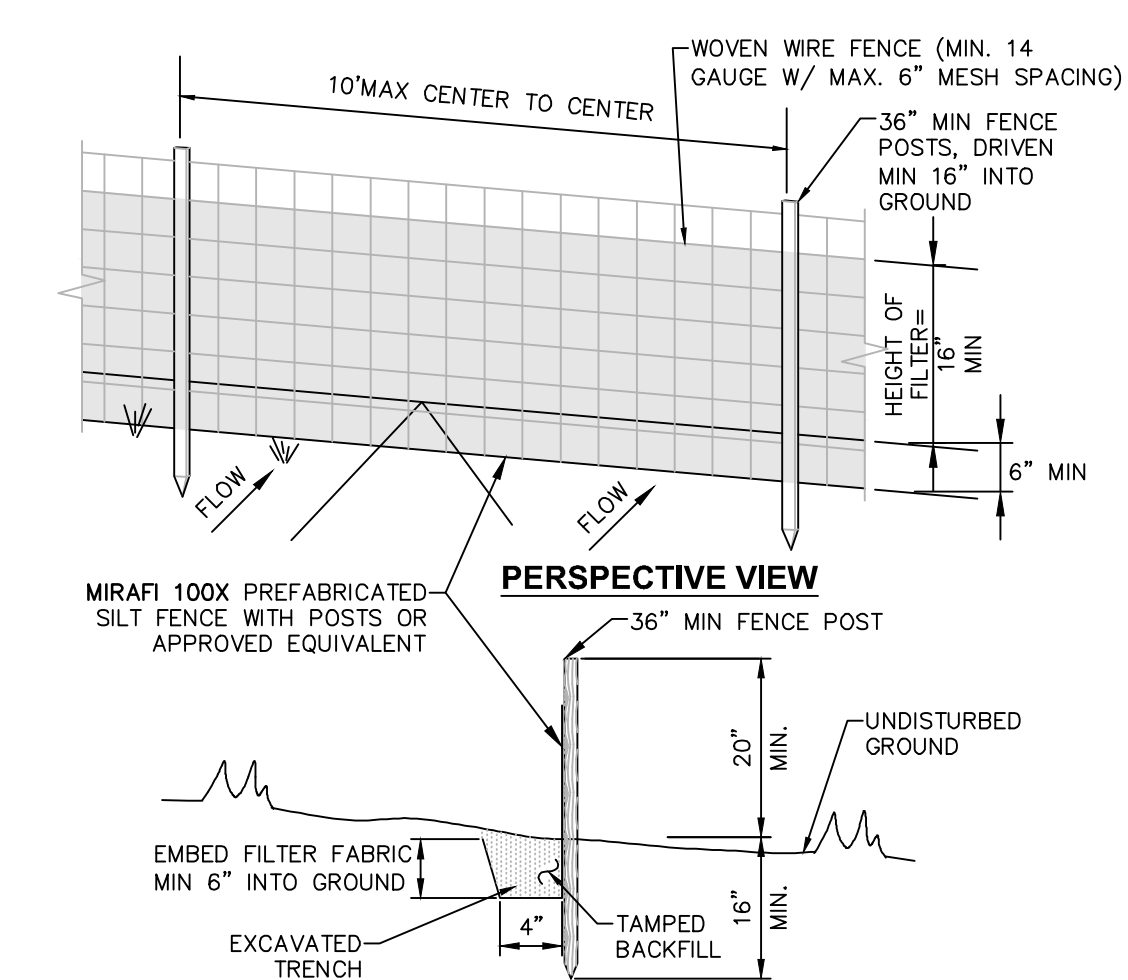
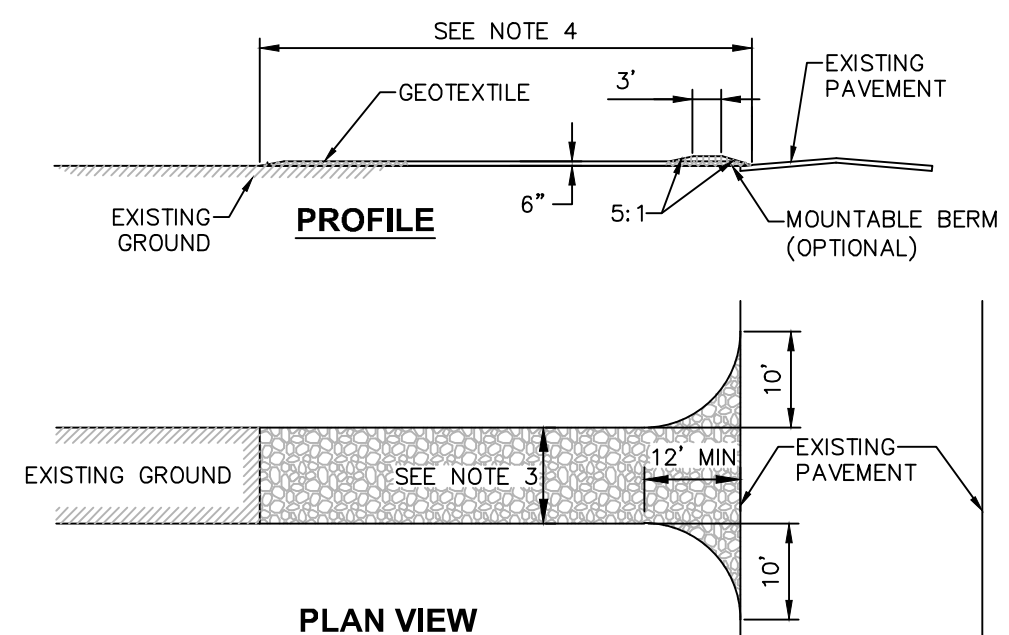
- GENERAL NOTES:**
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS MARKED WITH LINE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEER.
 4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 5. STRUCTURE SHALL MEET A MINIMUM HEAD-LOAD RATING OF 1000 LB/FT² MINIMUM TO BE USED FOR GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
 6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES:**
- A. ANY SEWER BACKFILL DEPTH AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - B. CONTRACTOR TO PROVIDE LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
 - C. CONTRACTOR TO PROVIDE, INSTALL AND GROUT PIPE. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 - D. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERING & TECHNOLOGICAL
 www.contech.com
 400-338-1122 615-445-7000 615-445-7901 FAX

CDS2015-4-C INLINE CDS STANDARD DETAIL



ISSUED FOR SITE PLAN REVIEW



STONE APRON SIZING REQUIREMENT - TABLE "A"

CULVERT DIA. (D)	CULVERT SLOPE (%)	NYSDOT STANDARD STONE FILLING APRON MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH (FT)
12"	< 4	LIGHT	6"	9"	18	10
18"	< 4	LIGHT	6"	9"	18	10
18"	4-6	MEDIUM	9"-12"	14"-18"	24	12
18"	6-8	HEAVY	15"-18"	22"-27"	36	12
18"	8-10	HEAVY	15"-18"	22"-27"	36	18
24"	< 4	LIGHT	6"	9"	18	12
24"	4-6	MEDIUM	9"-12"	14"-18"	24	12
24"	6-8	HEAVY	15"-18"	22"-27"	36	12
24"	8-10	HEAVY	15"-18"	22"-27"	36	18
30"	< 4	LIGHT	6"	9"	18	15
30"	4-6	MEDIUM	9"-12"	14"-18"	24	15
30"	6-8	HEAVY	15"-18"	22"-27"	36	15
30"	8-10	HEAVY	15"-18"	22"-27"	36	20
36"	< 4	LIGHT	6"	9"	18	24
36"	4-6	MEDIUM	9"-12"	14"-18"	24	24
36"	6-8	HEAVY	15"-18"	22"-27"	36	30
36"	8-10	HEAVY	15"-18"	22"-27"	36	30
42"	< 4	LIGHT	6"	9"	18	28
42"	4-6	MEDIUM	9"-12"	14"-18"	24	28
42"	6-8	HEAVY	15"-18"	22"-27"	36	35
42"	8-10	HEAVY	15"-18"	22"-27"	36	42
48"	< 4	LIGHT	6"	9"	18	36
48"	4-6	MEDIUM	9"-12"	14"-18"	24	36
48"	6-8	HEAVY	15"-18"	22"-27"	36	42
48"	8-10	HEAVY	15"-18"	22"-27"	36	48

SPDES GENERAL PERMIT GP-0-15-002 COMPLIANCE NOTES:

THIS PLAN SET AND THE ACCOMPANYING SWPPP ENTITLED "GAS LAND ROUTE 90 WAPPINGER" HAVE BEEN SUBMITTED AS A SET. THESE ENGINEERING DRAWINGS ARE CONSIDERED AN INTEGRAL PART OF THE SWPPP. THEREFORE, THE PLAN SET IS NOT CONSIDERED COMPLETE WITHOUT THE SWPPP.

- THIS PROJECT HAS NOT RECEIVED WRITTEN APPROVAL FROM TOWN OF WAPPINGER ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THEREFORE, IF THE CONTRACTOR'S CONSTRUCTION DISTURBS MORE THAN FIVE ACRES AT ANY ONE TIME, WRITTEN APPROVAL MUST BE OBTAINED FROM NYSDOC PRIOR TO EXCEEDING THE 5 ACRE LIMIT.

CONSTRUCTION SEQUENCING NOTES:

- PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, LOCATE THE SITE. THE CONTRACTOR SHALL FLOOD THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
- THE CONTRACTOR SHALL CLEAR AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES. THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.
- THE STORMWATER DETENTION BASIN SHALL BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL THE OUTLET CONTROL STRUCTURES AND THE EARTHEN BERM. THE BASIN SHALL BE RESTORED TO THE TOP OF THE AQUATIC BENCH AS INDICATED IN THE TYPICAL STORMWATER MANAGEMENT BASIN SECTION PRESENTED IN THE PROJECT DRAWINGS.
- PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (NIPPAP OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
- THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
- TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
- THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED. CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
- CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RE-GRAP AT LOCATIONS SHOWN ON THE PLANS.
- FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
- INSTALL SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
- PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
- UPON COMPLETION OF SITE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL FINALIZE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY.
- THE CONTRACTOR SHALL FINISH GRADE THE FOREWAYS, AQUATIC BENCHES, AND WET POOLS(S) AND STABILIZE AS INDICATED IN THE PROJECT DRAWINGS.
- THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES: PERMANENT AND TEMPORARY VEGETATION

INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

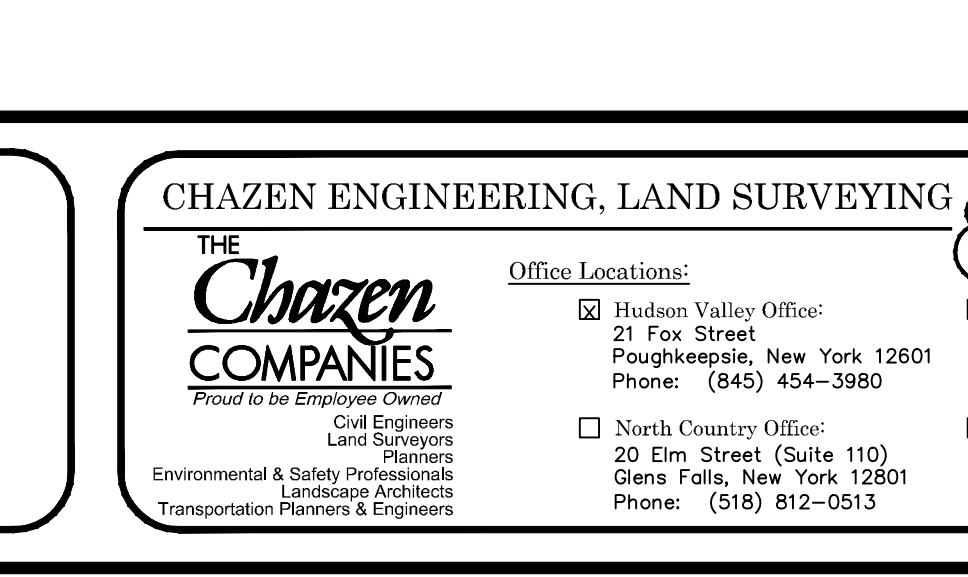
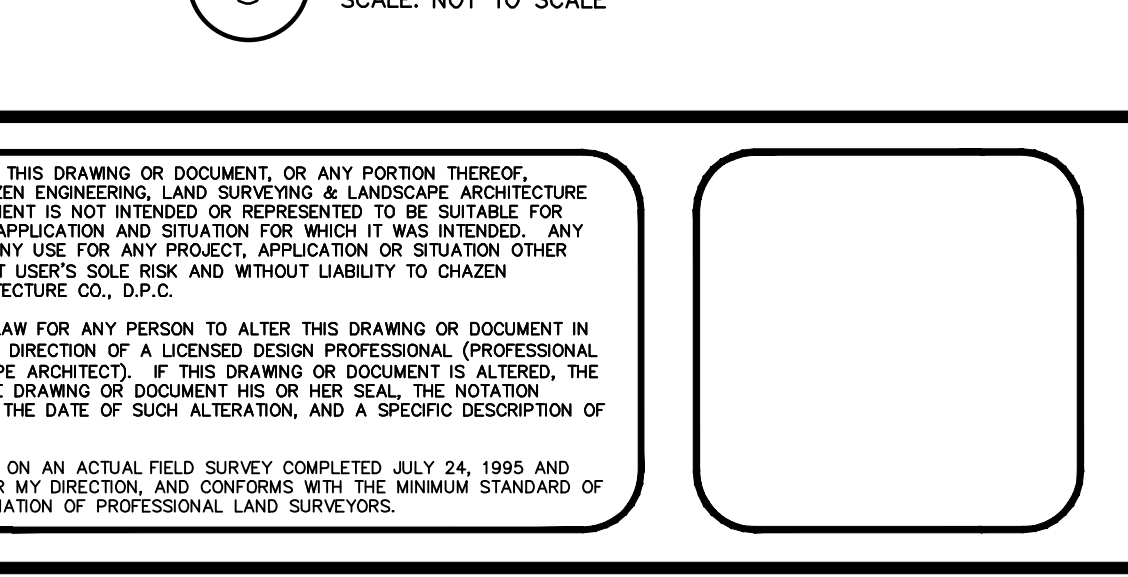
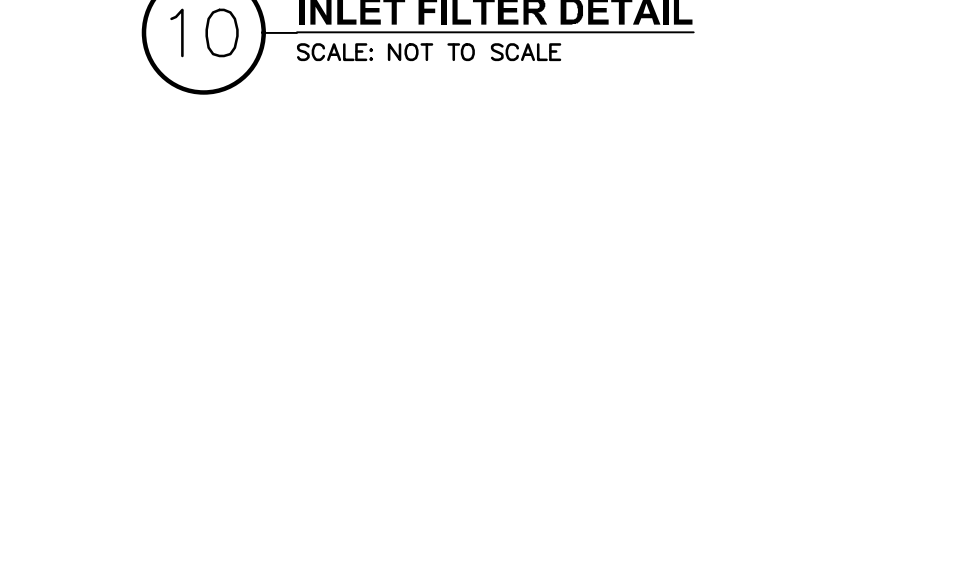
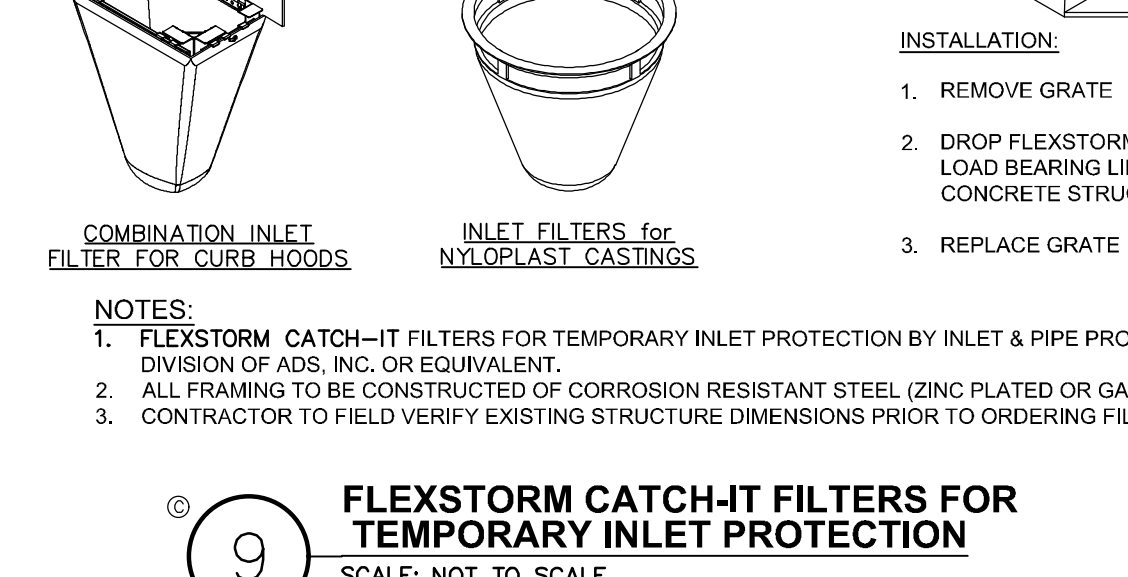
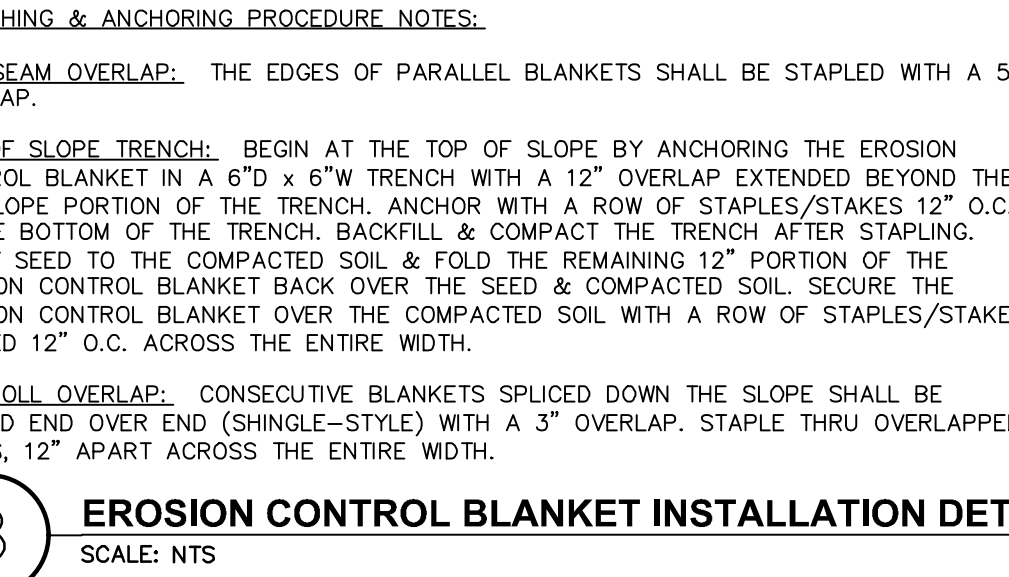
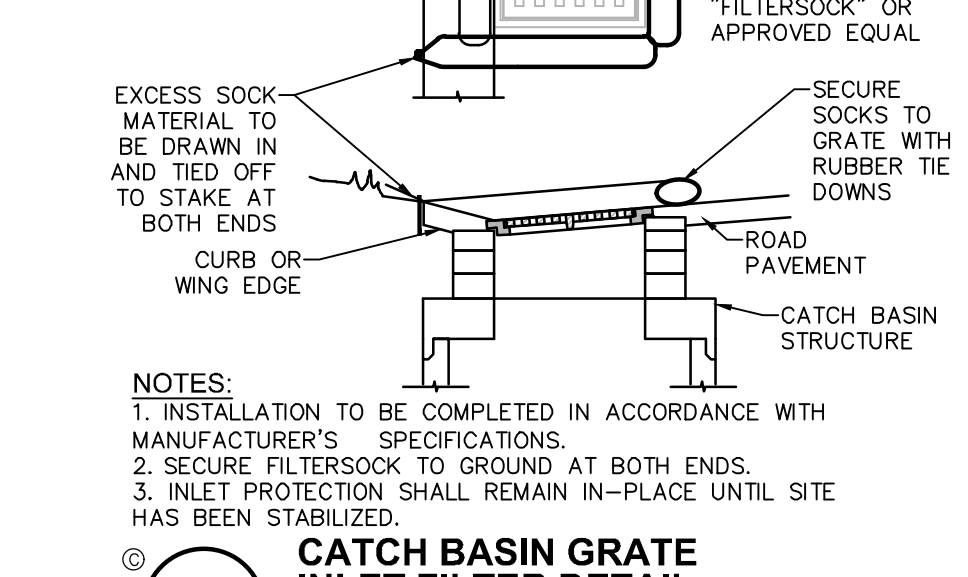
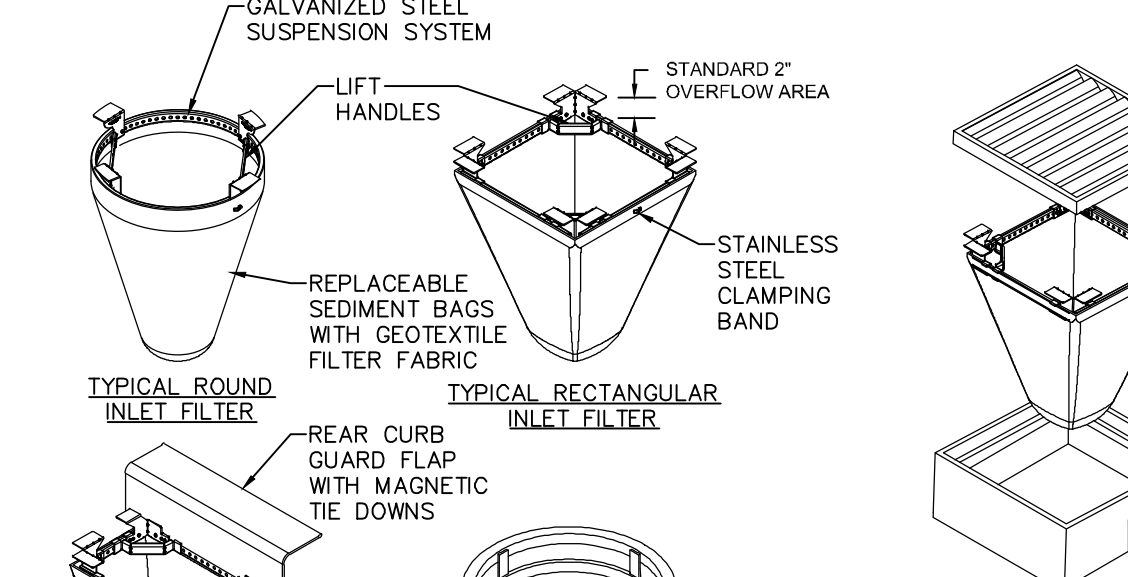
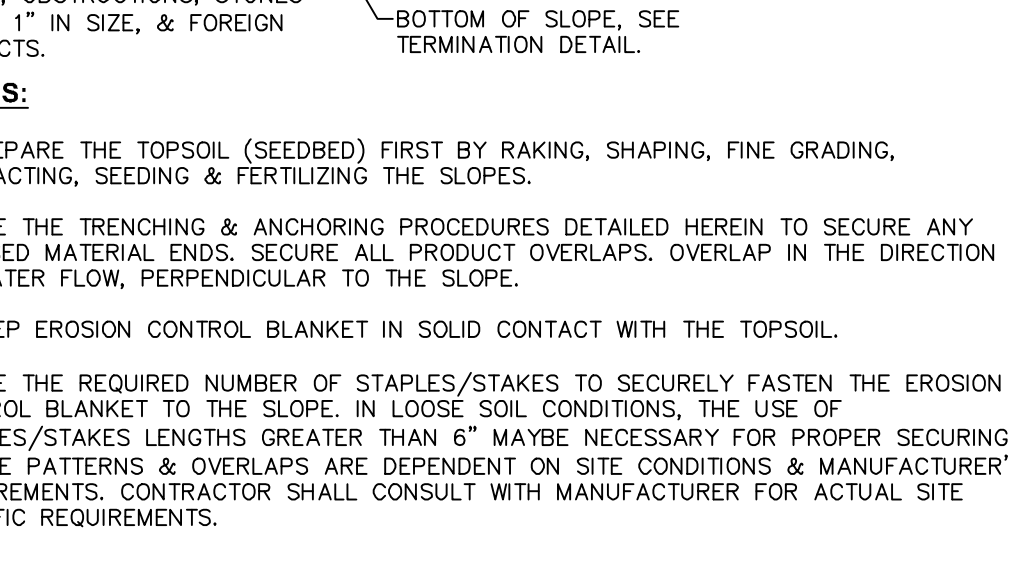
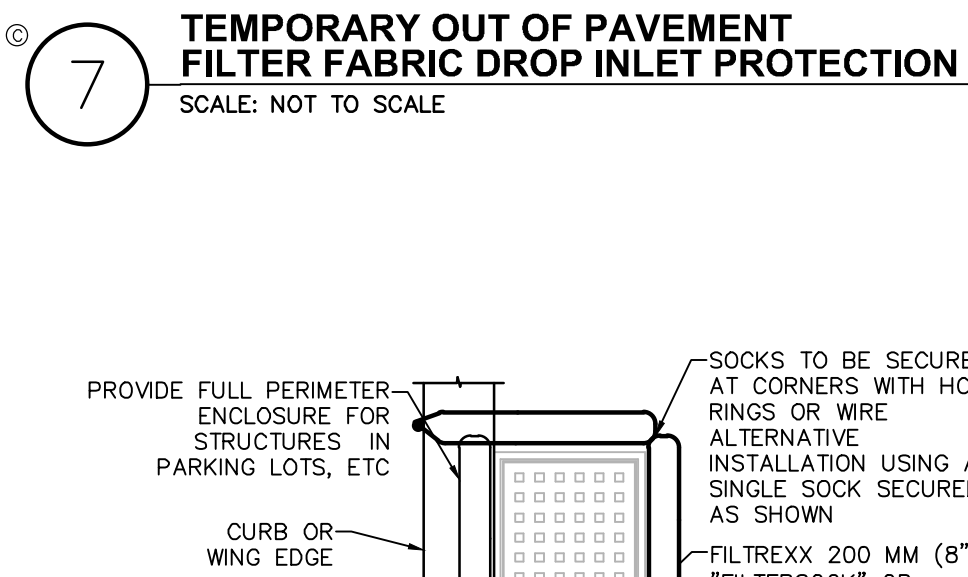
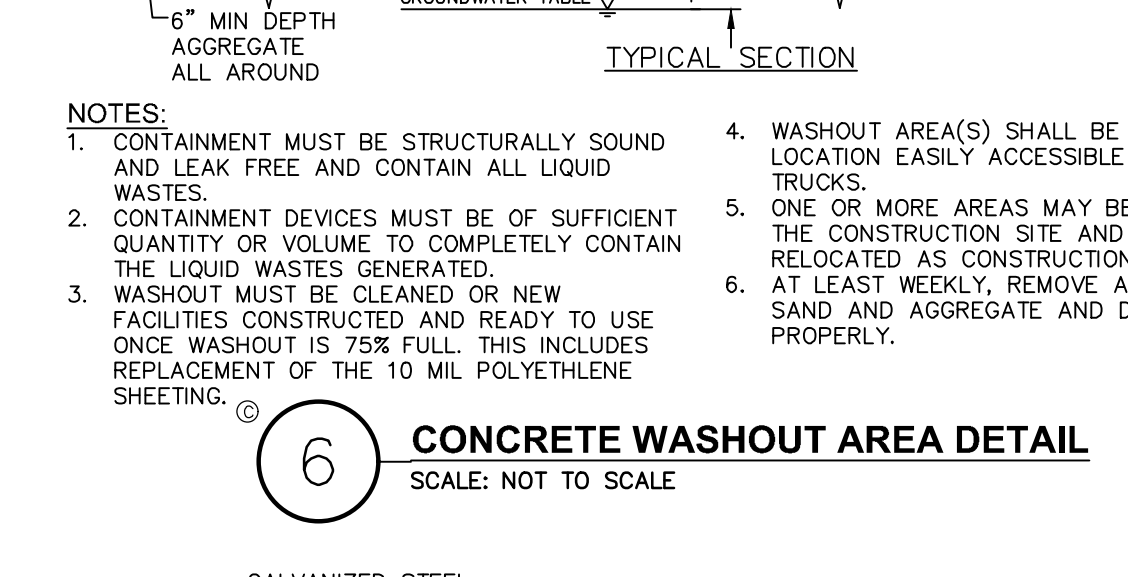
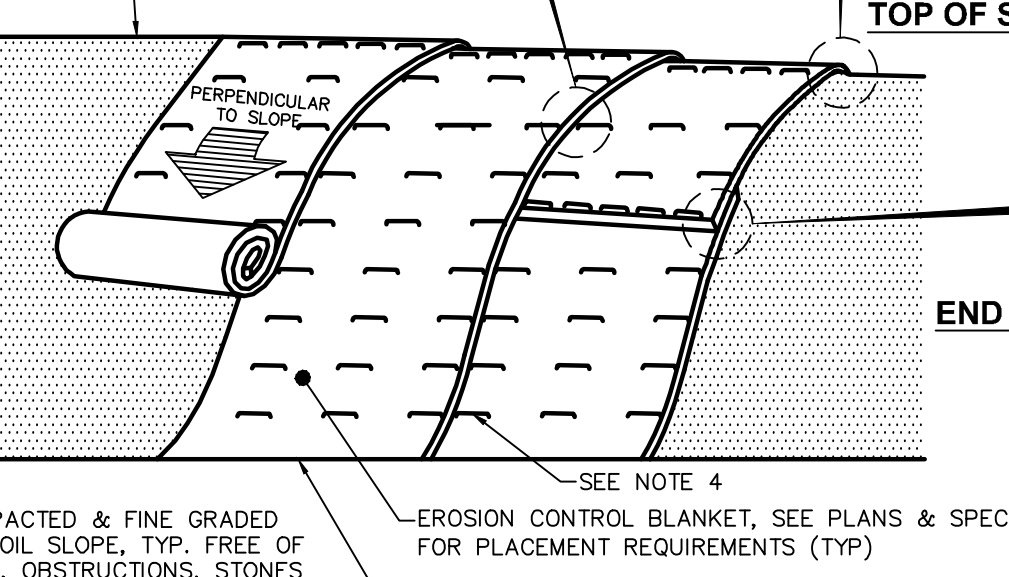
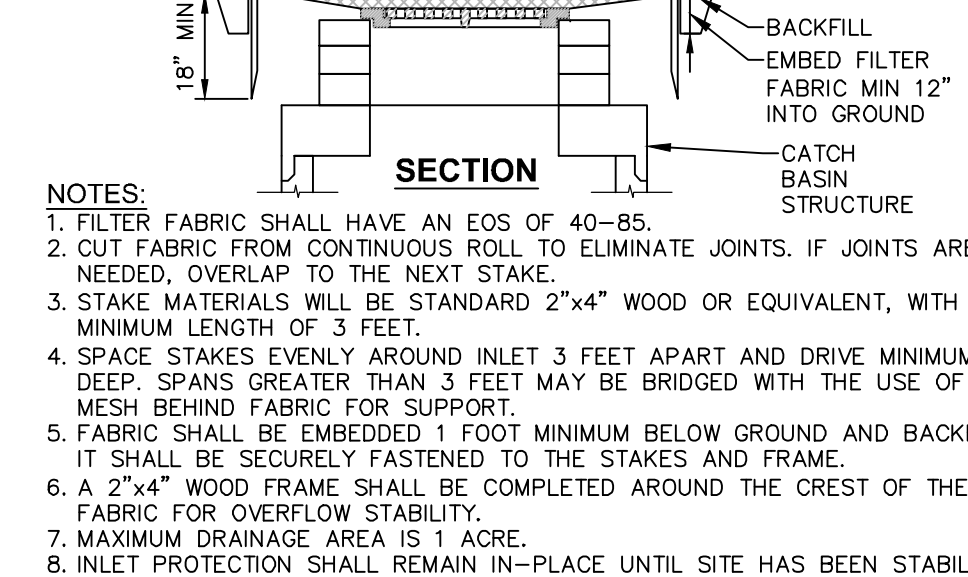
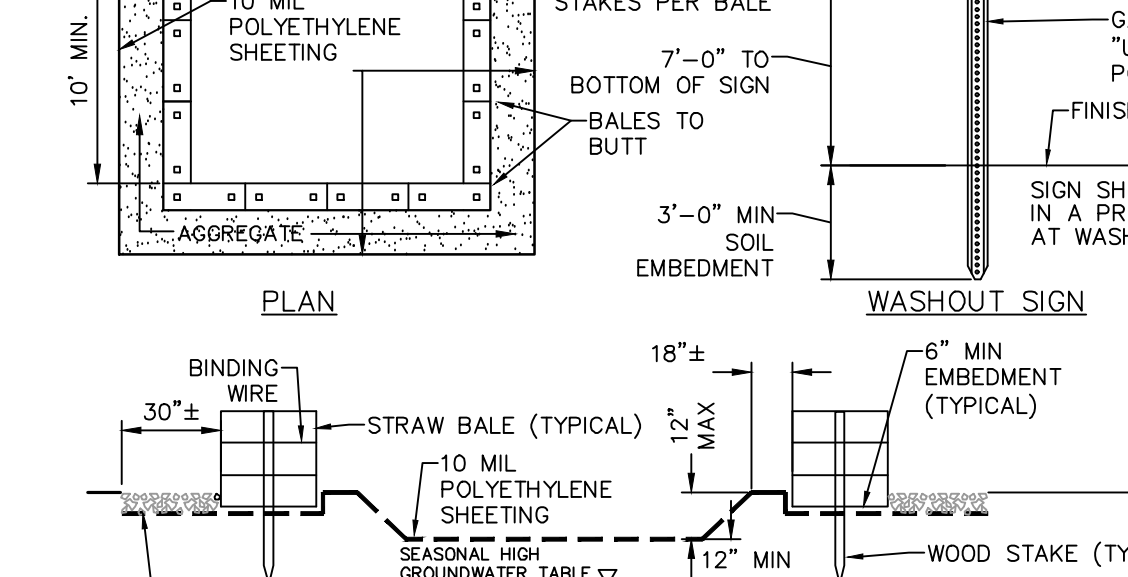
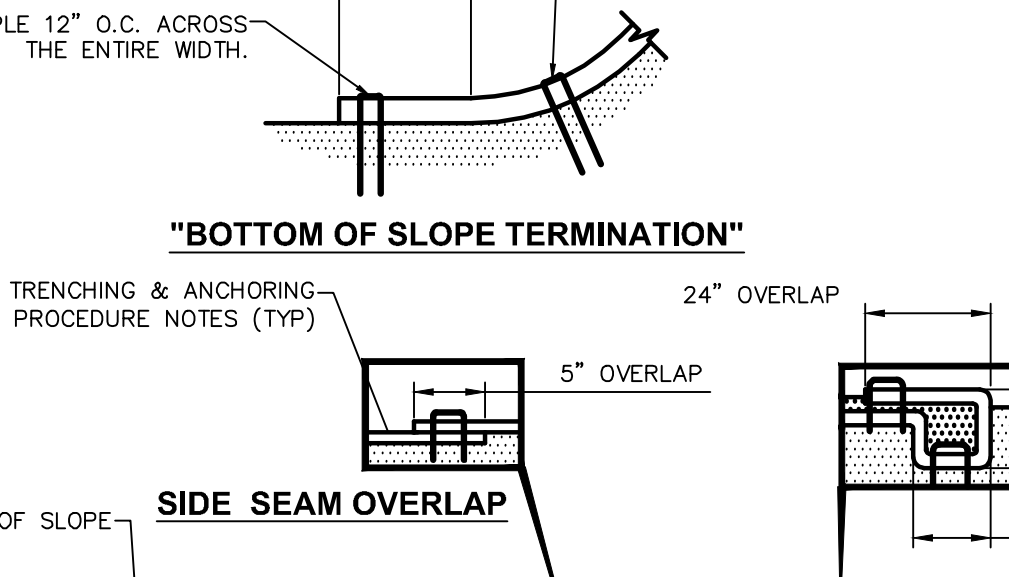
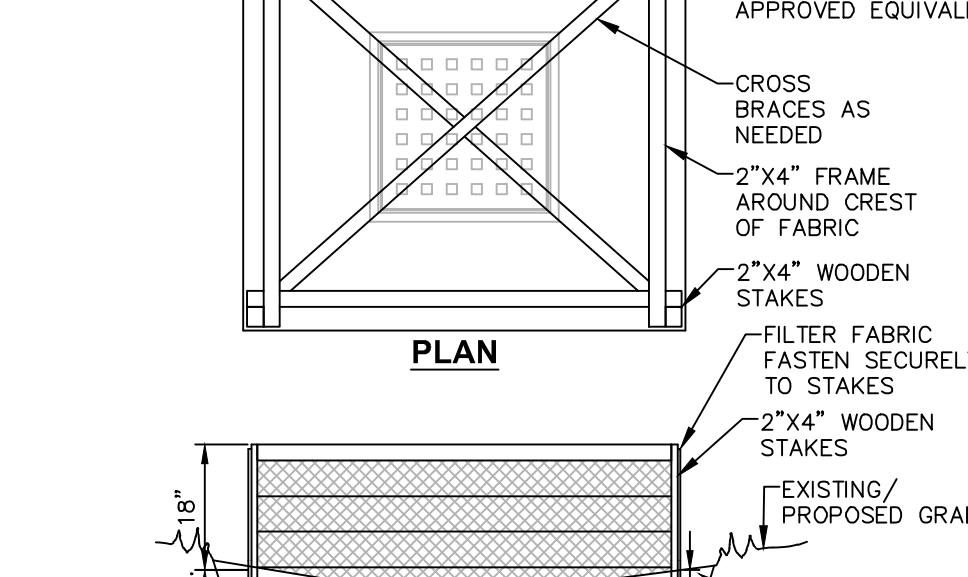
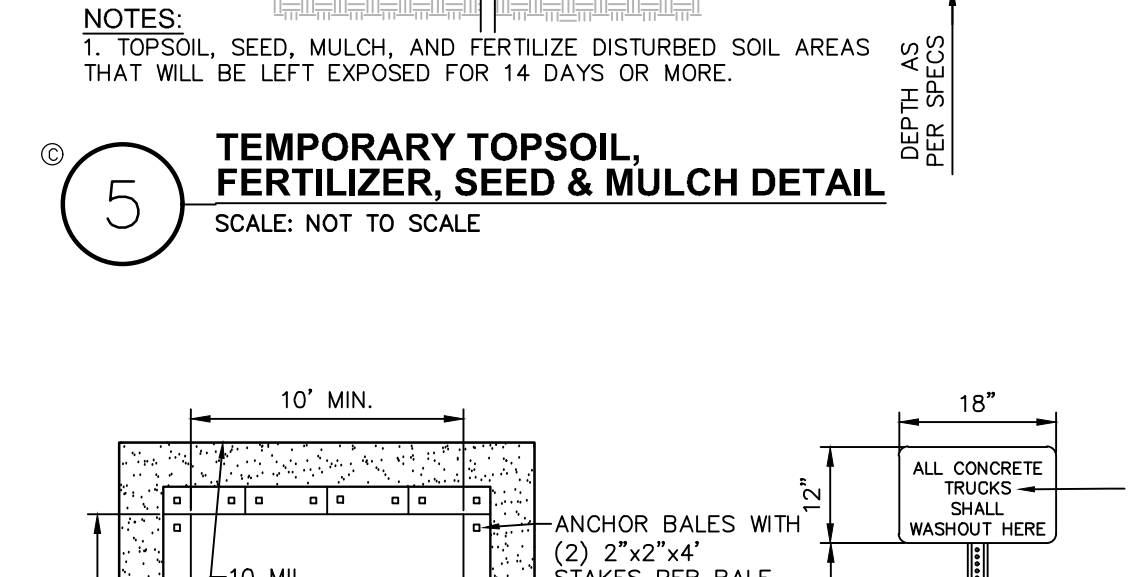
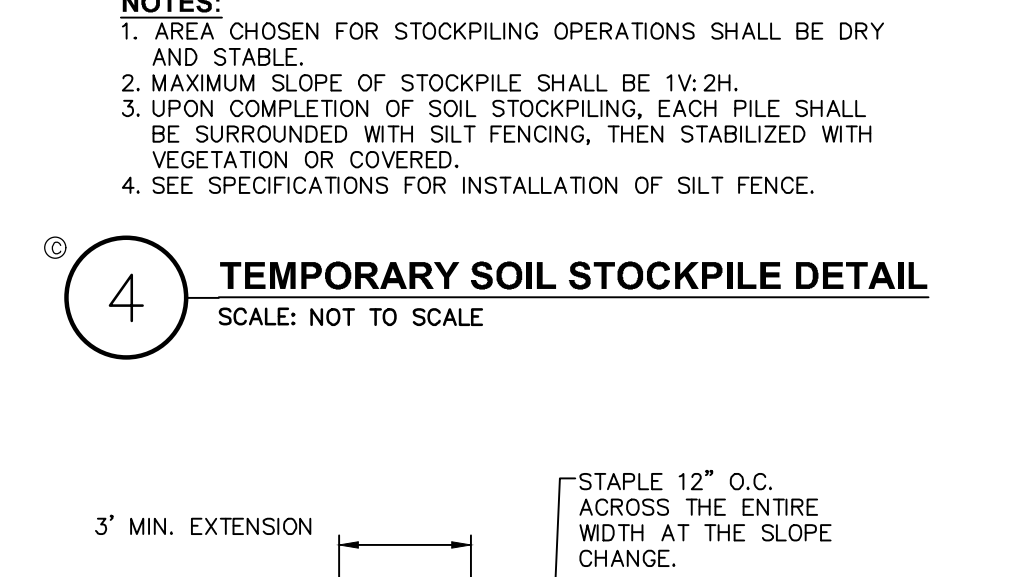
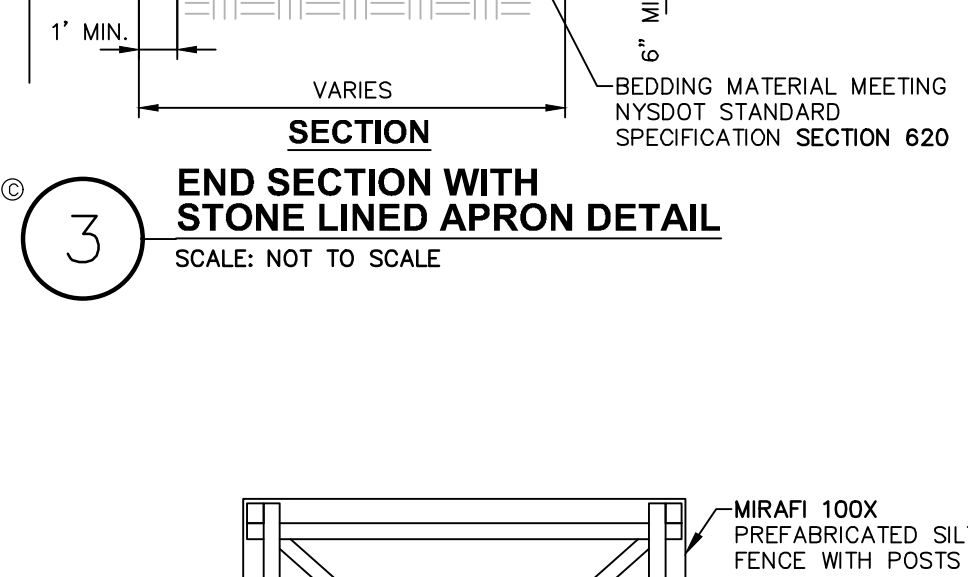
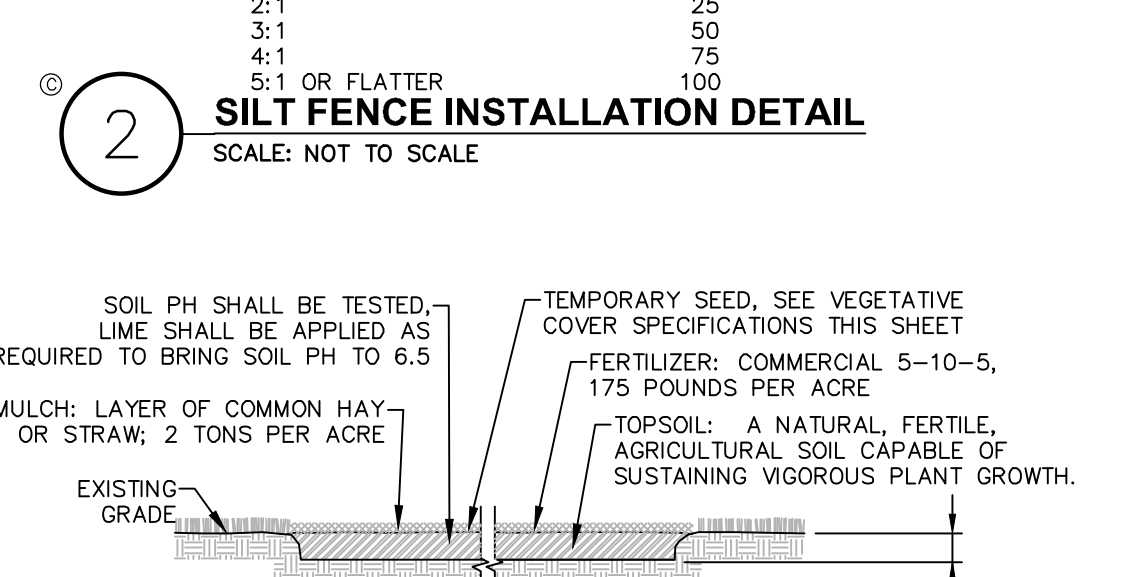
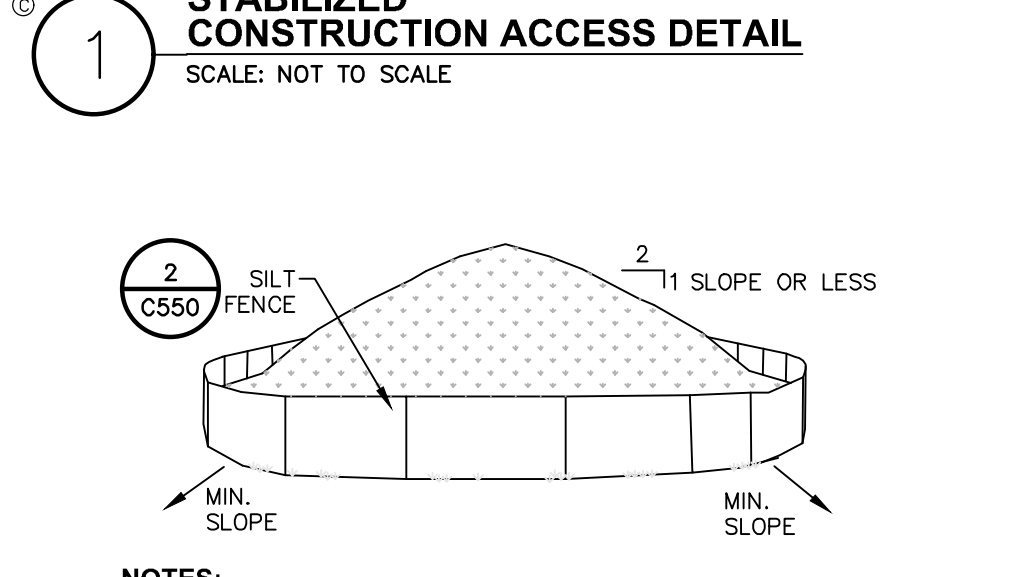
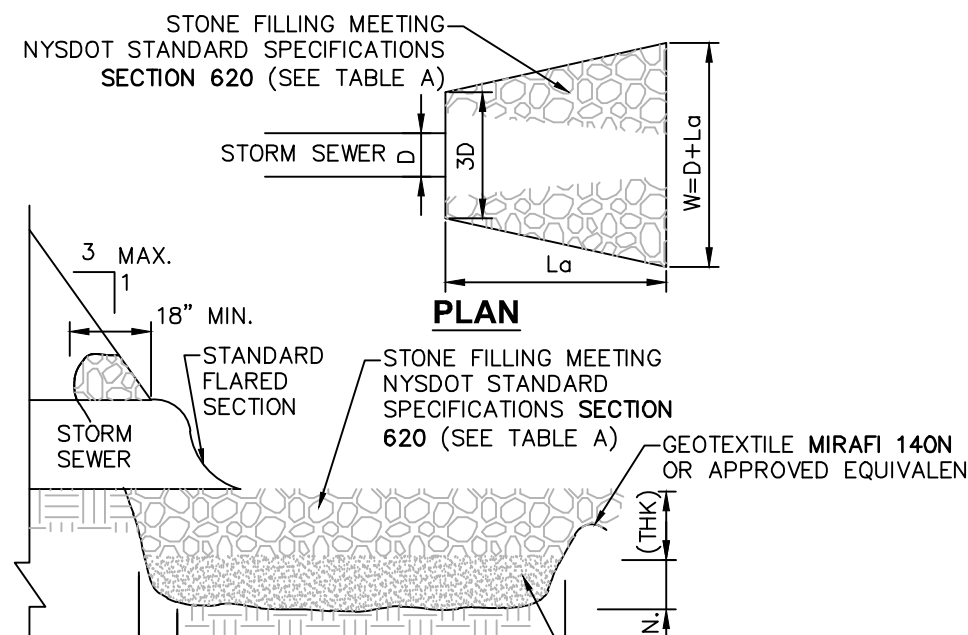
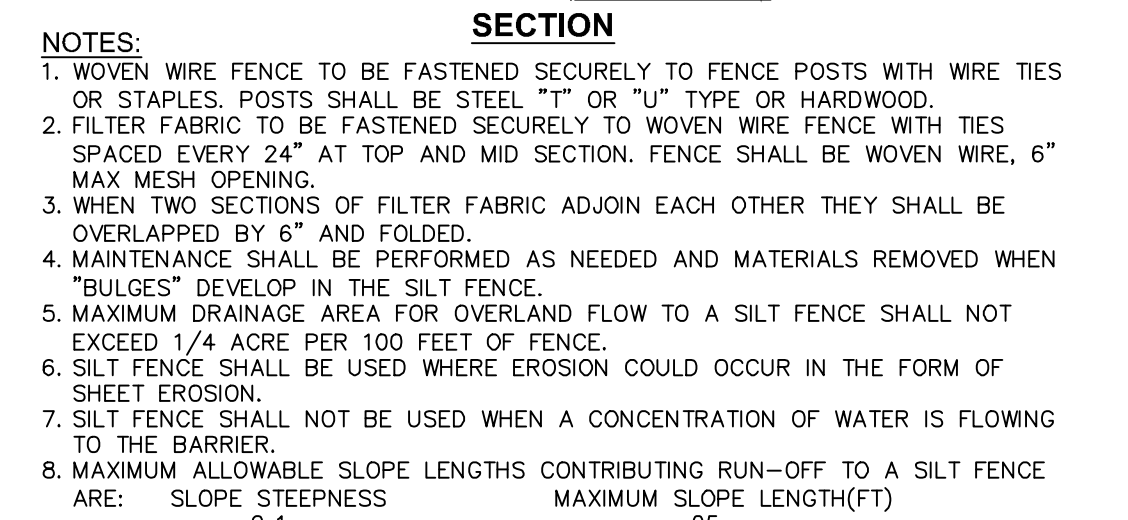
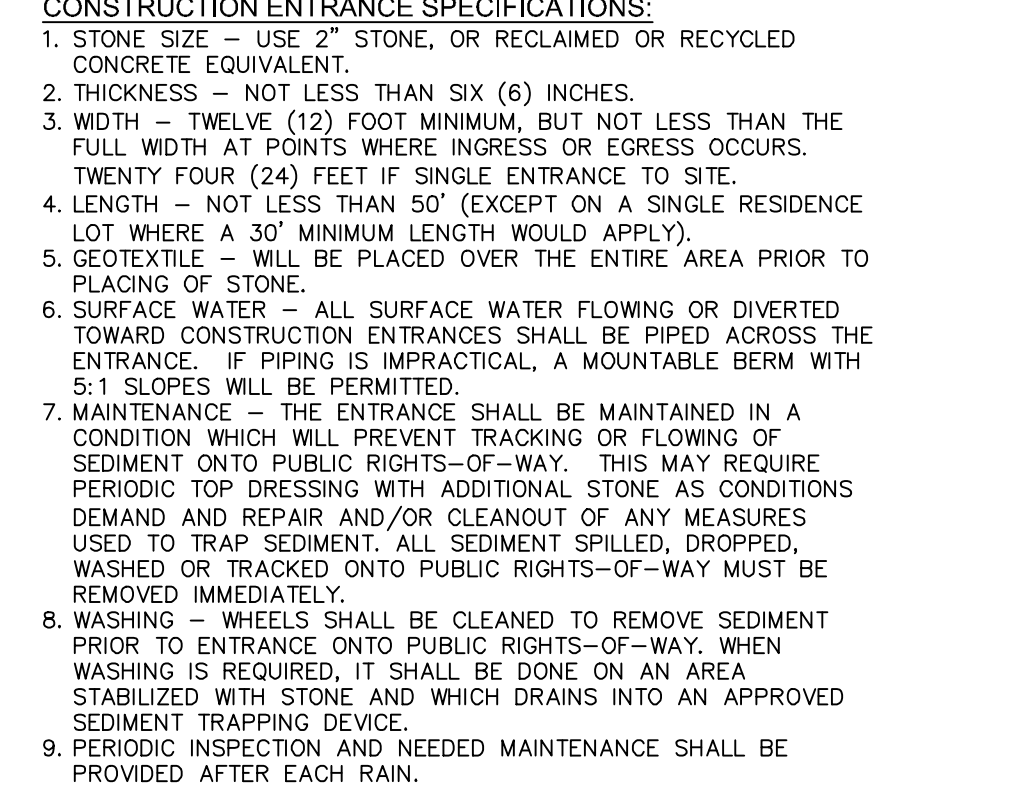
STABILIZED CONSTRUCTION ENTRANCE:
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC RIGHTS-OF-WAY. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE CONSTRUCTION OF THE WORK. APPLY TEMPORARY STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER) BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

TOPSOIL SPECIFICATIONS:

- EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.
- SITE PREPARATION:**
- COMPLETE GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 2%.
 - REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.
- TOPSOIL MATERIALS:**
- TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA:
A. ORIGINAL LOAM TOPSOIL, WELL DRAINED, HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.
B. CONTAINING NOT LESS THAN 5% HGR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.
C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
D. CONTAINING THE FOLLOWING WASHED GRADATIONS:
SIEVE DESIGNATION % PASSING
1" 100
3/4" 97-100
1/4" 90-100
NO 200 20-60
- APPLICATION AND GRADING:**
- TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SNOW OR OVER ICE, SNOW OR STANDING WATER.
 - TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.
- VEGETATIVE COVER SPECIFICATIONS:**
- TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):**
- SITE PREPARATION (SAME AS PERMANENT VEGETATIVE COVER)
 - SEED MIX. (APPLY AT RATE OF 3 TO 4 LBS PER 1000 SF) AMOUNT BY WEIGHT SPECIES OR VARIETY PURITY GERMINATION
100% PERENNIAL RYE 95% 90%
100% ANNUAL REGRASS 95% 90%
 - SEEDING (SAME AS PERMANENT VEGETATIVE COVER)
- PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):**
- SITE PREPARATION
A. BARE AREA TO BE SEEDING TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS REQUIRED.
B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES.
C. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.
D. LIME TO PH OF 6.5.
E. FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT, APPLY AT RATE OF 4 LBS/1000 SF.
F. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.
G. SMOOTH AND FIRM THE SEEDBED.
 - SEED MIXTURE FOR USE ON LAWN AREAS
A. PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS.
B. LAWN SEED MIX. (APPLY AT RATE OF 5 TO 6 LBS PER 1000 SF)
C. SMOOTH AND FIRM THE SEEDBED.



EROSION AND SEDIMENT CONTROL MEASURES:

- DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
- AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
- PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY INTO THE PROJECT SITE.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016.
- EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
- APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE RESTORED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE RESTORED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE. FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS:
A. SEEDING AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
B. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

COMPACTION REQUIREMENTS

LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3D COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3D COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE BEDDING AND PIPE ZONE BACKFILL	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT OF SELECT GRANULAR FILL (FULL BENEATH SHEET PILES)	95% ASTM D1557	1 TEST FOR EVERY 2,000 SQ. FT. OF LIFT AREA BUT NO FEWER THAN TWO TESTS PER LIFT.

Dig Safely. New York.
Call Before You Dig
What You Dig Matters
800-962-7962
www.digsafelynyc.org

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE, CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR OTHERWISE USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE, CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING PROFESSIONAL SHALL AFFIX HIS OR HER SEAL, THE NOTATION HERETOBY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY WAS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND ON THE DATA AND CONTAINING THEREIN WAS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND IN ACCORDANCE WITH THE PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

Office Locations:
Hudson Valley Office: 21 For Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
Capital District Office: 547 River Street, Poughkeepsie, New York 12622, Phone: (518) 273-0055
North Country Office: 1026 Elm Street (Suite 110), Glens Falls, New York 12601, Phone: (518) 812-0513
Nashville Tennessee Office: 2416 21st Ave. S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
Chattanooga Tennessee Office: 1 North Broadway, Suite 803, Chattanooga, Tennessee 37408, Phone: (423) 241-6575

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

Office Locations:
Hudson Valley Office: 21 For Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
Capital District Office: 547 River Street, Poughkeepsie, New York 12622, Phone: (518) 273-0055
North Country Office: 1026 Elm Street (Suite 110), Glens Falls, New York 12601, Phone: (518) 812-0513
Nashville Tennessee Office: 2416 21st Ave. S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
Chattanooga Tennessee Office: 1 North Broadway, Suite 803, Chattanooga, Tennessee 37408, Phone: (423) 241-6575

GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

3 02/16/21 GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2 10/13/20 REVISED PER PLANNING BOARD COMMENTS
1 09/03/20 REVISED PER PLANNING BOARD COMMENTS
rev. date description

EROSION & SEDIMENT CONTROL DETAILS AND NOTES

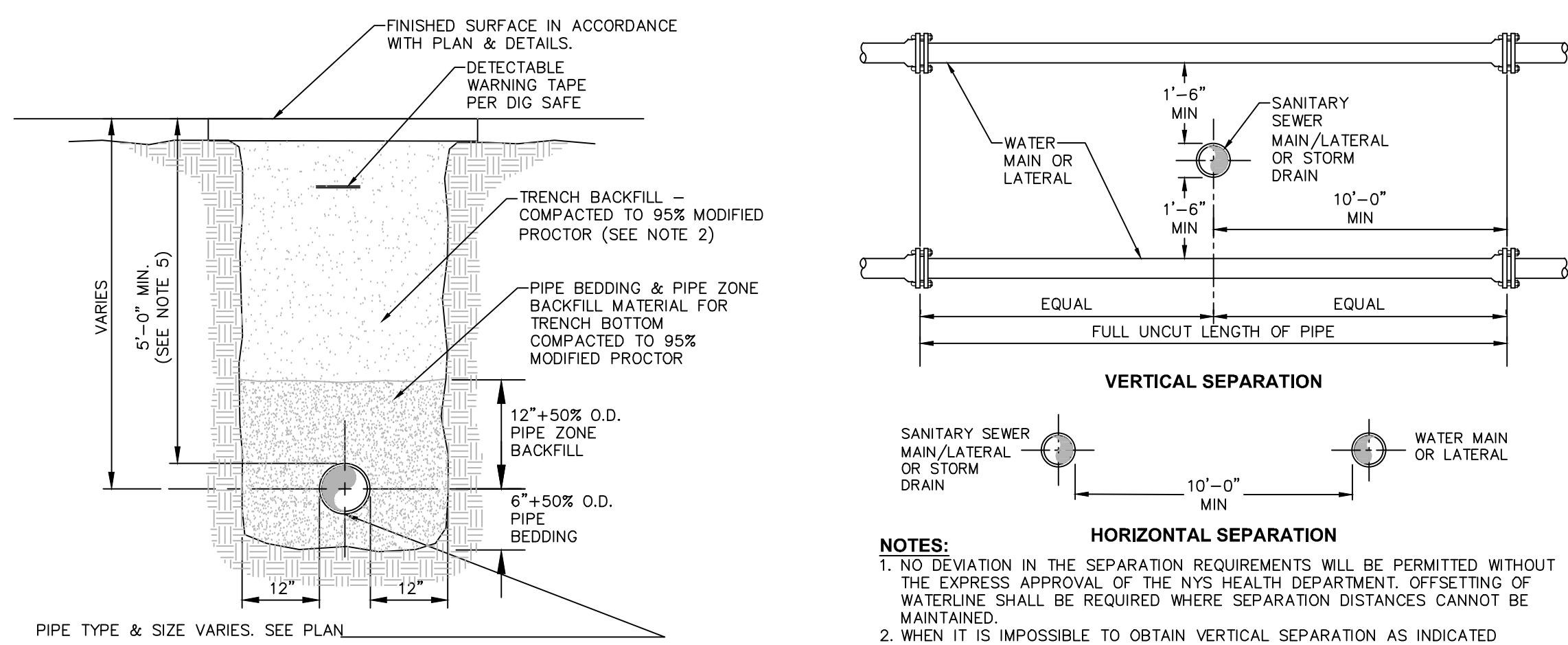
TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

ISSUED FOR SITE PLAN REVIEW

designed SPL checked CPL
date 01/09/20 NTS
project no. 61941.00
sheet no. C550

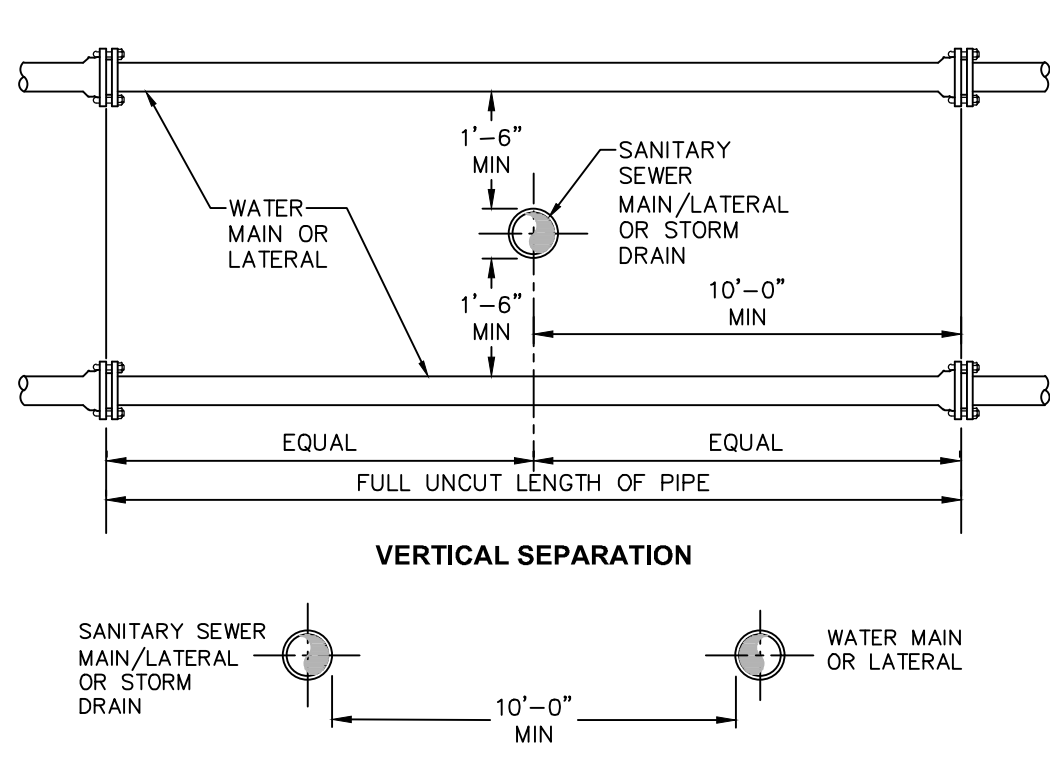
EROSION & SEDIMENT CONTROL DETAILS AND NOTES

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK



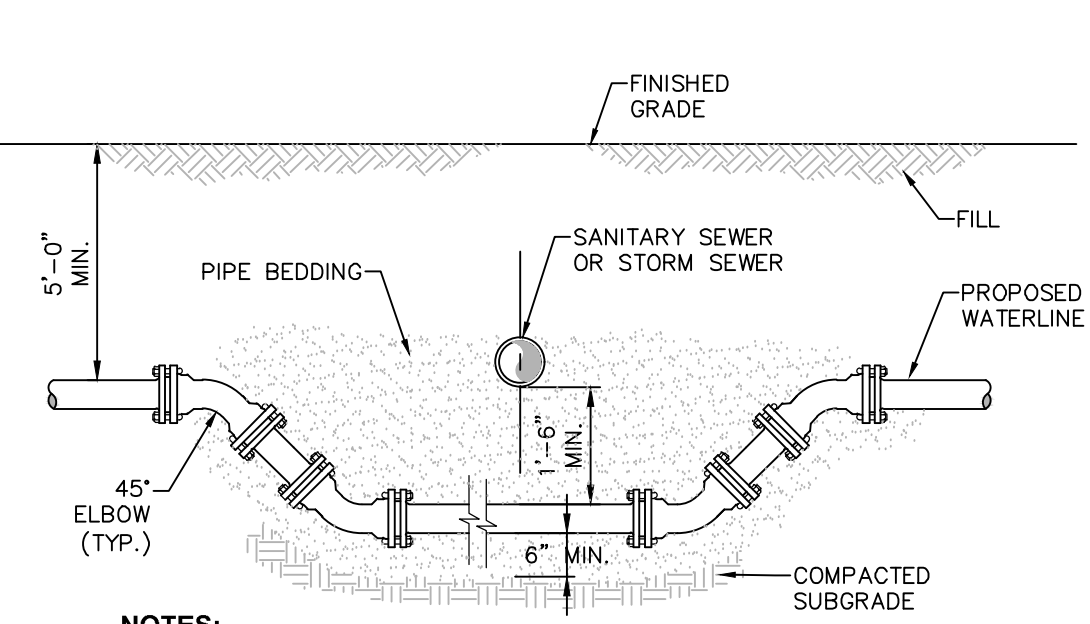
- NOTES:**
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 3/4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |
- TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |
- IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.
 - INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
 - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
 - 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

1 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE



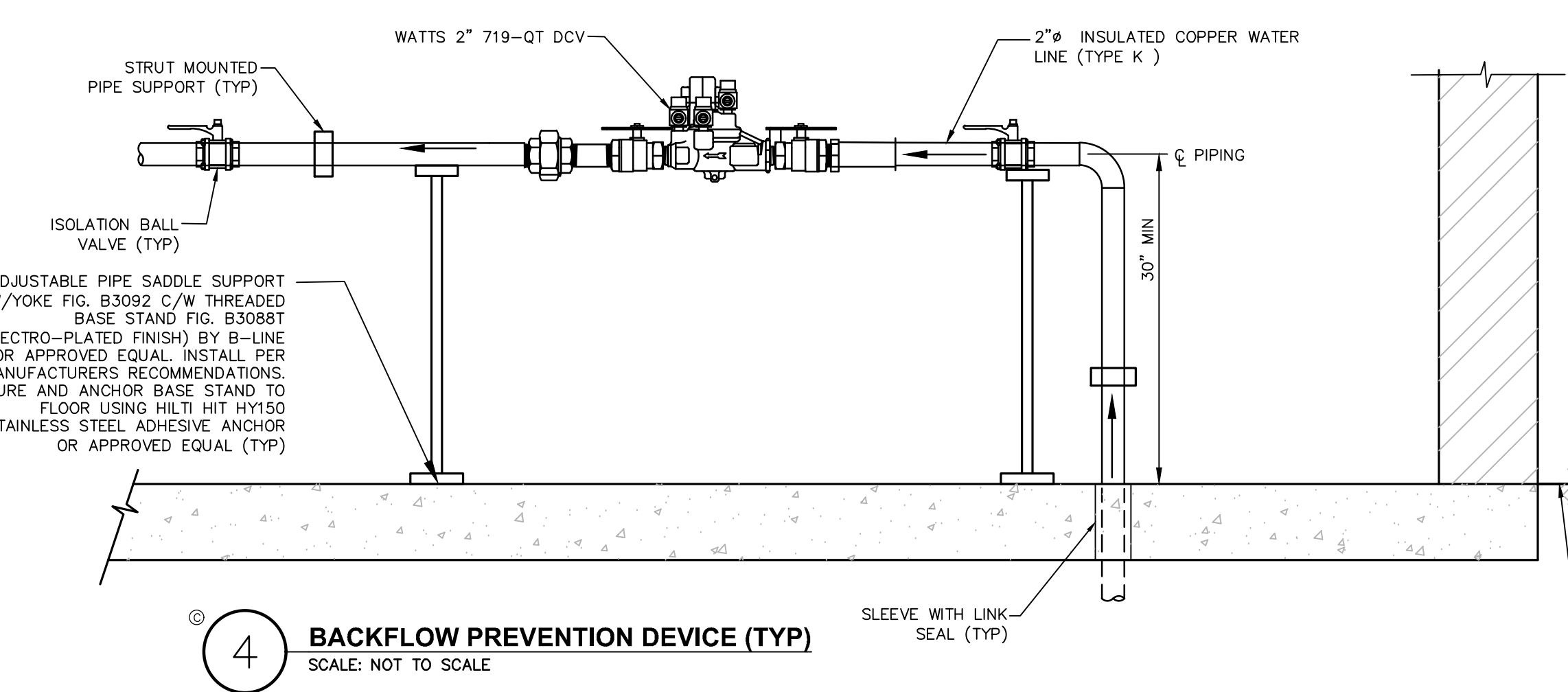
- NOTES:**
- NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED.
 - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150PSI TO ASSURE WATER TIGHTNESS.

2 SANITARY/STORM SEWER AND WATERMAIN SEPARATION DETAIL
SCALE: NOT TO SCALE

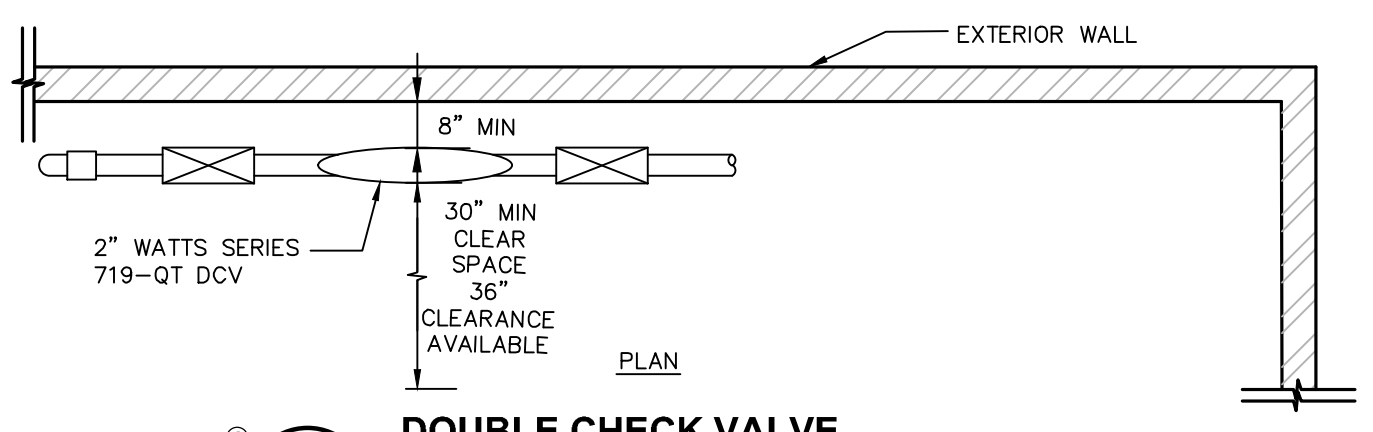


- NOTES:**
- WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.
 - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150PSI TO ASSURE WATER TIGHTNESS.

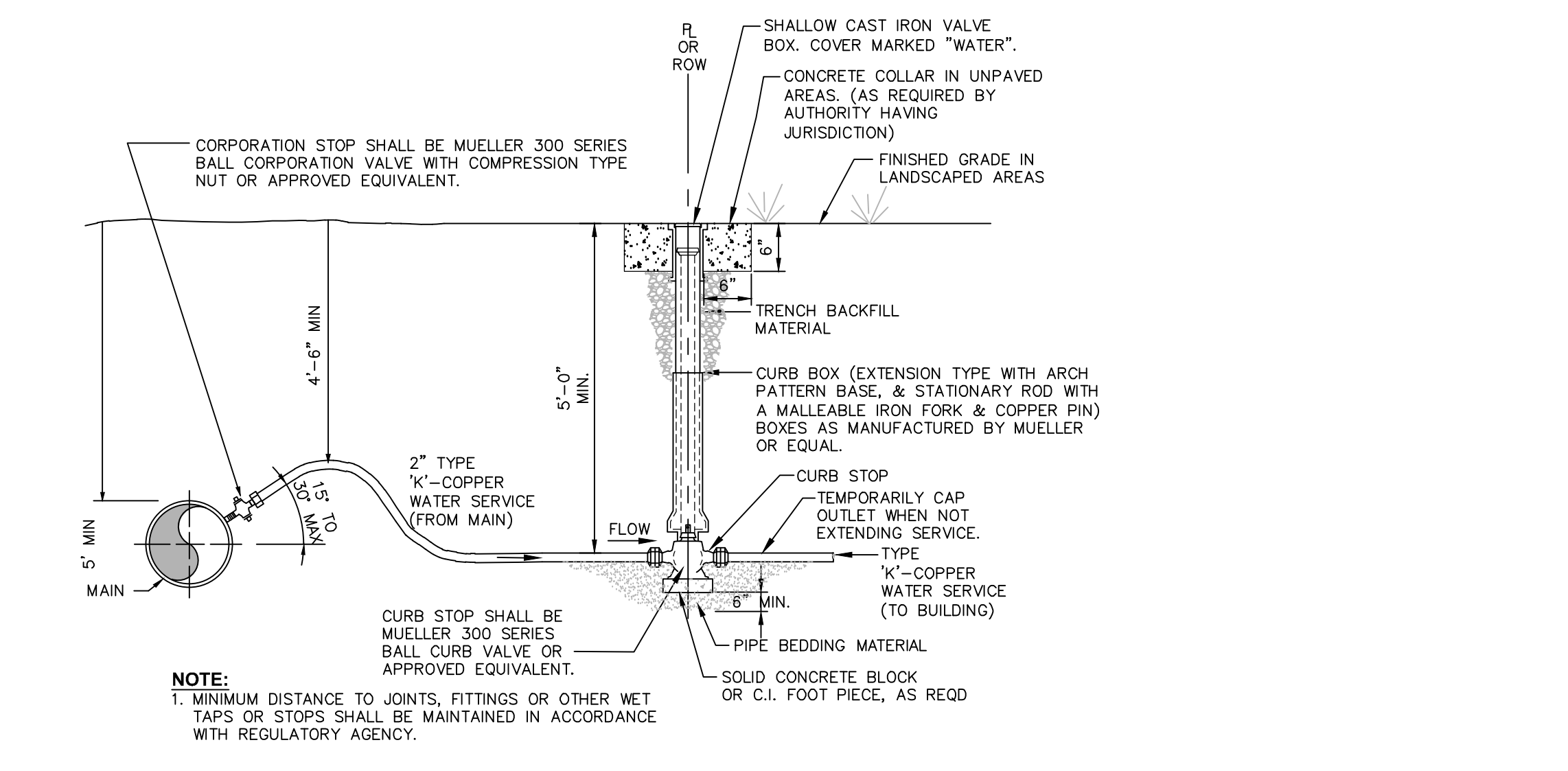
3 WATERLINE OFFSET DETAIL
SCALE: NOT TO SCALE



- NOTES:**
- ALL DOUBLE CHECK VALVE (DCV) AND REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AS PER THE JANUARY 1992 NYSDOH "GUIDELINES FOR DESIGNING BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS".
 - PROVIDE THE FOLLOWING CLEARANCES FOR MAINTENANCE OF THE BACKFLOW PREVENTION DEVICE:
 - 12" MIN CLEAR SPACE ABOVE THE ASSEMBLY
 - 30" MIN OF CLEAR SPACE BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION
 - 8" MIN OF CLEAR SPACE FROM THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION
 - 18" MIN CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR (RPZ ONLY)
 - AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE DRAIN LINE SHALL BE PROVIDED ABOVE THE FLOOR DRAIN. THE AIR GAP SHALL IN NO CASE BE LESS THAN 1 INCH (RPZ ONLY)
 - FOLLOWING COMPLETION OF THE INSTALLATION, THE OWNER SHALL BE RESPONSIBLE FOR TESTING THE BACKFLOW PREVENTION DEVICE SHALL BE TESTED BY A NYSDOH FORM 1013 AND PROVIDED TO OWNER AND DCDOH.
 - THE OWNER SHALL BE RESPONSIBLE FOR TESTING ALL BACKFLOW PREVENTION DEVICES AT LEAST ANNUALLY. THE TEST SHALL BE COMPLETED BY A NYS CERTIFIED TESTER WITH A COPY OF THE INSPECTION AND TEST REPORT (DOH-1013) FORWARDED TO DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH.
 - ALL BACKFLOW PREVENTION DEVICES SHALL BE COMPLETELY DISASSEMBLED AND RE-ASSEMBLED EVERY FIVE (5) YEARS FOR MAINTENANCE PURPOSES.



5 DOUBLE CHECK VALVE ASSEMBLY - PLAN VIEW
SCALE: NOT TO SCALE



6 COPPER WATER SERVICE
SCALE: NOT TO SCALE

GENERAL CONSTRUCTION NOTES:

- ALL UTILITY WORK INVOLVING CONNECTION TO EXISTING MUNICIPAL WATER MAIN SHALL BE COORDINATED WITH OWNER AND OWNER'S REPRESENTATIVE. NOTIFY OWNER AND THE OWNER'S REPRESENTATIVE 3 WORKING DAYS BEFORE CONNECTION IS MADE.
- THE CONTRACTOR SHALL VERIFY THE PRESENCE OF AND EXACT LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK AS THE EXACT LOCATION OF UTILITIES MAY DIFFER FROM THE LOCATION SHOWN, AND ADDITIONAL UTILITIES MAY EXIST.
- THE CONTRACTOR SHALL REVIEW ALL FIELD UTILITY MARKOUT INFORMATION AND BRING ANY CONFLICTS TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO COMMENCING ANY WORK OPERATIONS. TEST PITS MAY BE REQUIRED BY THE CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS AND/OR DEPTHS. TEST PIT OPERATIONS WILL MEET ALL NECESSARY REQUIREMENTS AS SET FORTH IN THESE PLANS, DETAILS, FEDERAL/STATE/LOCAL REGULATIONS AND ANY SPECIFIC PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNER'S REPRESENTATIVE 3 WORKING DAYS PRIOR TO SUCH EXCAVATIONS TO ENSURE THEIR PRESENCE.
- ALL NEW WATER LINE INSTALLATIONS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C 600 (LATEST REVISION) AT A PRESSURE OF 150 PSI, OR 1.5 TIMES (AS REFERENCED ABOVE) THE WORKING PRESSURE OF THE SYSTEM AS A MINIMUM. ALLOWABLE LEAKAGE OF THIS TEST SHALL BE AS DEFINED IN SECTION 4.2 OF SAID AWWA SPECIFICATION.

WATER LINE NOTES:

- THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY SEWER PIPE OF EQUAL OR GREATER RATING THAT THE PRESSURE CLASS FOR THE WATER LINE.
- MINIMUM VERTICAL SEPARATION BETWEEN WATER LINES AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. IN ADDITION, WHEN THE WATER LINE PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER LINE. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER LINES AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
- ALL WATER LINES SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE LINE TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADES PRIOR TO TRENCHING TO ENSURE THAT ALL INSTALLED WATER LINES WILL HAVE THE REQUIRED COVER.
- THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER LINE INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.
- ALL NEW WATER LINE INSTALLATIONS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C 600 (LATEST REVISION) AT A PRESSURE OF 150 PSI, OR 1.5 TIMES (AS REFERENCED ABOVE) THE WORKING PRESSURE OF THE SYSTEM AS A MINIMUM. ALLOWABLE LEAKAGE OF THIS TEST SHALL BE AS DEFINED IN SECTION 4.2 OF SAID AWWA SPECIFICATION.
- APPROVED AND TESTED WATER LINE SHALL BE DISINFECTED PER AWWA SECTION C 651 (AS REFERENCED ABOVE), AS DIRECTED BY ENGINEER.
- THE WATER LINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.
- FIRE HYDRANTS WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS APPROVED BY THE TOWN WATER DEPARTMENT.
- PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE, AND SHALL BE APPROVED BY THE TOWN WATER DEPARTMENT PRIOR TO INSTALLATION.
- THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH POINTS OR LOW POINTS.
- FINAL WATER DISTRIBUTION SYSTEM IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE TOWN WATER DEPARTMENT.
- ALL WATER LINES AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE TOWN.
- THE WATER LINE SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE TOWN.
- ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE TOWN WATER DEPARTMENT PRIOR TO BACKFILLING.
- THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE TOWN WATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.
- ALL WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED, AND APPROVED BY THE TOWN WATER MAINTENANCE SUPERVISOR OR HIS DESIGNEE.

WATER DISINFECTION NOTES:

- APPROVED AND TESTED WATER MAIN SHALL BE DISINFECTED PER A.W.W.A. SECTION C651, LATEST EDITION, TABLE OR POWDERED METHOD IS NOT ALLOWED.
- THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE PROJECT ENGINEER 48 HOURS PRIOR TO DISINFECTING THE SERVICE LINES.
- DISINFECTED WATER MUST REMAIN IN THE WATER MAINS FOR A MINIMUM OF 24 HOURS BEFORE BEING THOROUGHLY FLUSHED OUT.
- WATER SERVICE LINES SHALL BE DISINFECTED AS PER AWWA SECTION C651 WHERE:
 - A. CHLORINE CONCENTRATION IN WATER LINES SHALL BE NO LESS THAN 50 MG/L AT START OF 24-HOUR TEST.
 - B. CHLORINE RESIDUAL SHALL BE NO LESS THAN 10 MG/L AT END OF TEST.
- PRIOR TO RECEIVING CERTIFICATE OF OCCUPANCY, MICROBIOLOGICAL SAMPLES SHALL BE COLLECTED FROM BOTH ENDS AND THE MIDDLE OF EACH NEW LINE. ALL LINES SHALL NOT BE USED UNTIL MICROBIOLOGICAL SAMPLES ARE ACCEPTED BY THE TOWN. RESULTS OF ALL MICROBIOLOGICAL TESTING SHALL BE SUBMITTED TO THE TOWN ALONG WITH ENGINEER'S CERTIFICATE OF COMPLETION.

WATER NOTES:

- SHEETING AND EXCAVATION BRACING FOR THE WATERMAIN INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH OSHA REQUIREMENTS TO SUIT EXISTING SOIL CONDITIONS. SHEETING, IF REQUIRED, SHALL BE TIGHT WOOD SHEETING AND SHALL BE LEFT IN PLACE, AND AFTER BACKFILLING SHALL BE CUT AT GROUND LEVEL OR AS ORDERED BY THE OWNER'S REPRESENTATIVE.
- MATERIALS USED IN CONSTRUCTION THAT WILL CONTACT POTABLE WATER SHALL BE ANSI/NSF 61 CERTIFIED OR EQUIVALENT.

Dig Safely New York
Call Before You Dig
Want The Required Time
Control Utility Response
Respect The Marks
Dig With Care
800-962-7962
www.digsafelynewyork.com

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED. ALL AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL APPLY TO HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

The Chazen Companies

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Queens Falls, New York 12601, Phone: (518) 812-0513
- Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Westchester NY Office: 1426 Wiltona Street (Suite 102), White Plains, New York 10601, Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wiltona Street (Suite 102), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

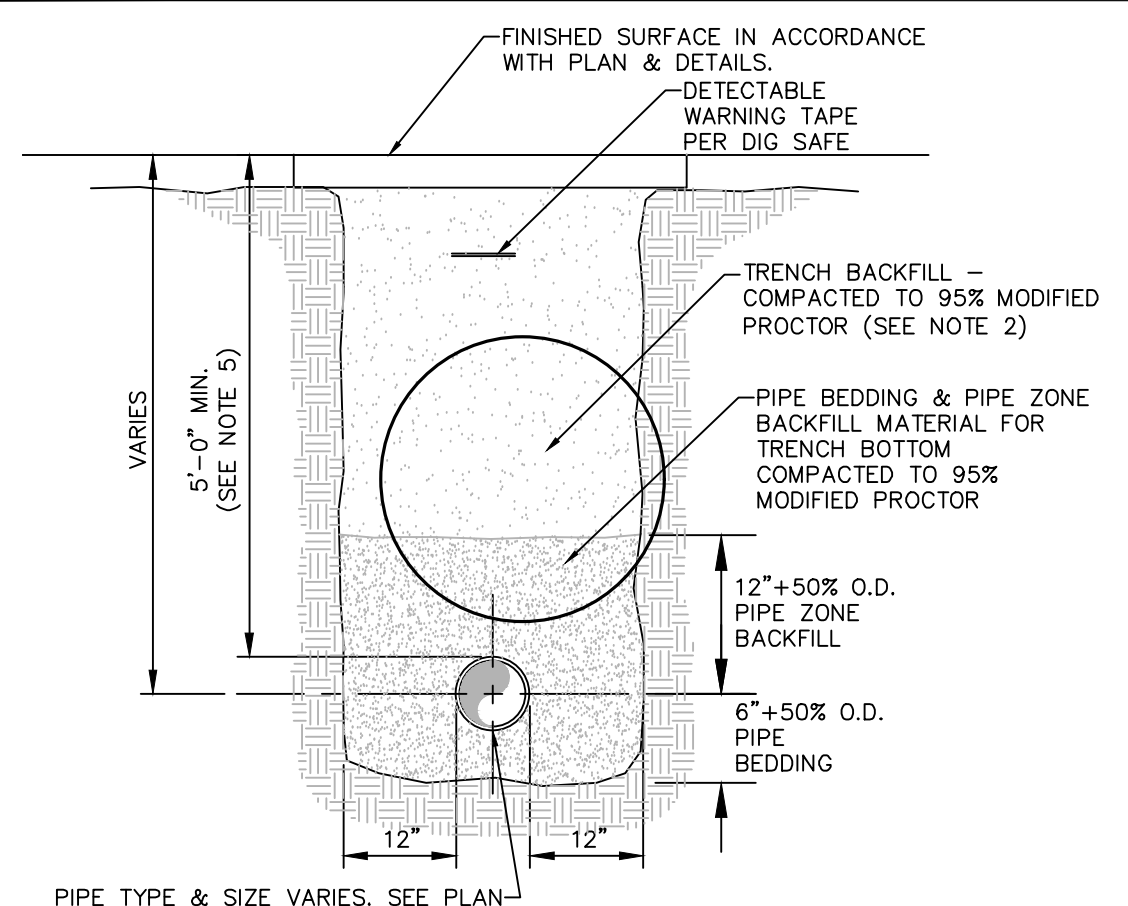
rev.	date	description
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED.
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC.- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

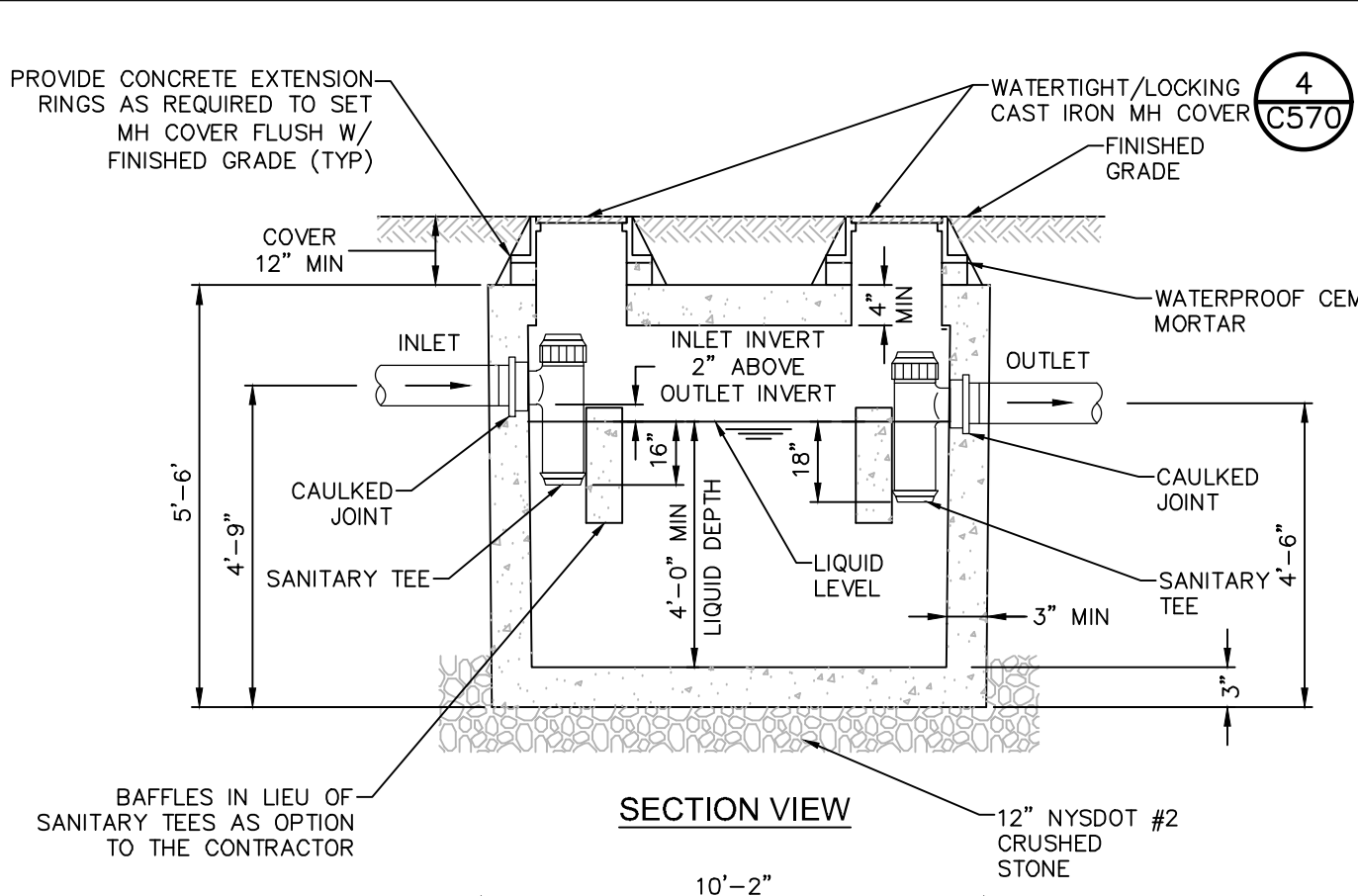
WATER DETAILS

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

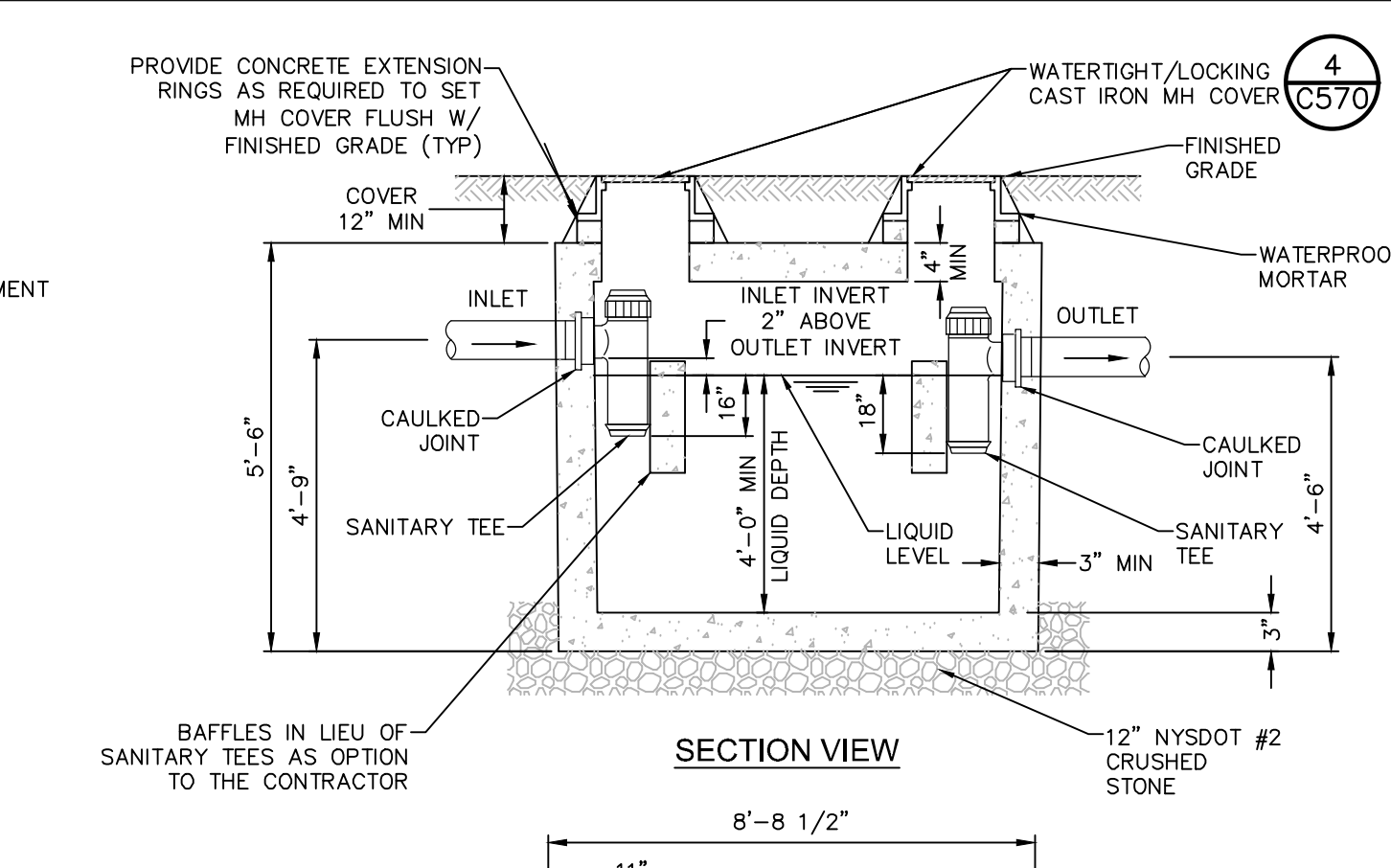
designed SPL	checked CPL
01/09/20	NTS
project no.	81941.00
sheet no.	C560



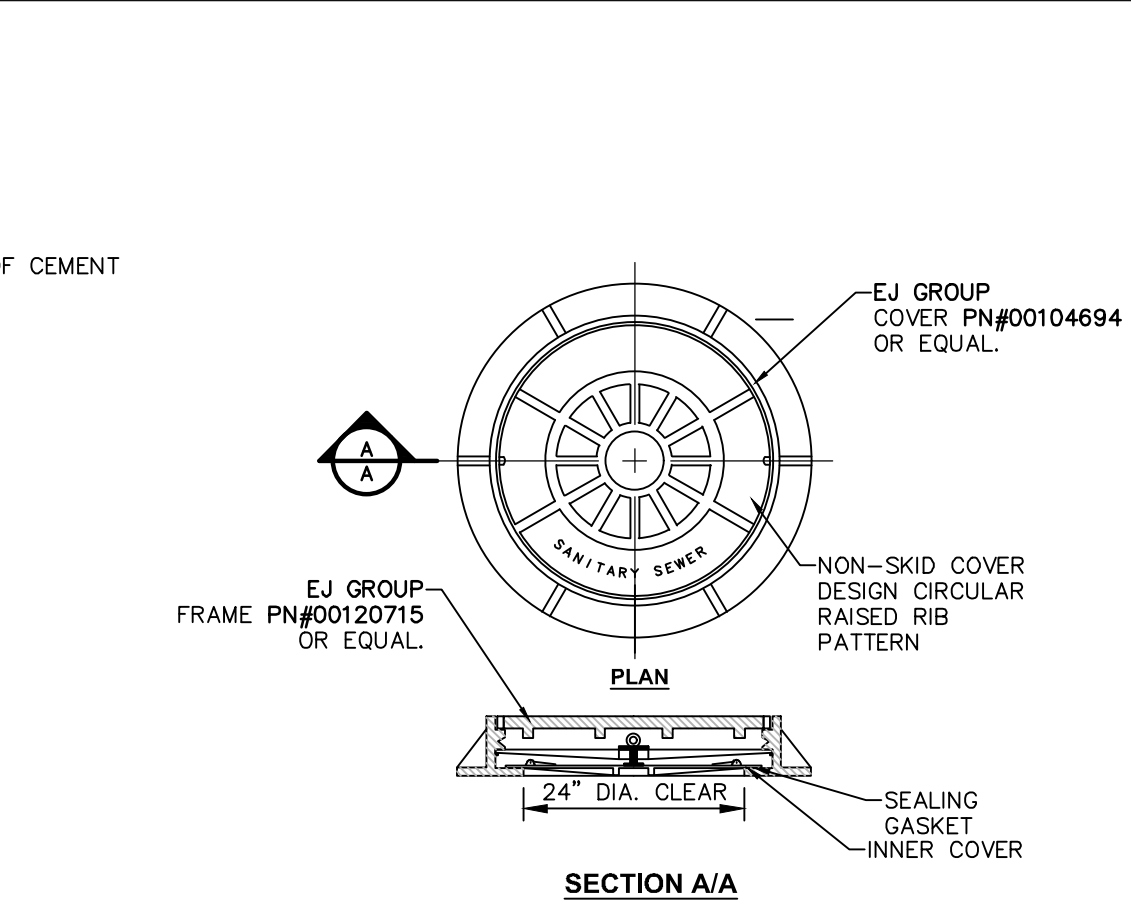
NOTES:
 1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
 SIEVE DESIGNATION: 3/4" 100% PASSING, NO. 40 0-70% PASSING, NO. 200 0-10% PASSING.
 2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
 SIEVE DESIGNATION: 100% PASSING, NO. 40 0-70% PASSING, NO. 200 0-10% PASSING.
 3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLABS.
 4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
 5. 5"-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.



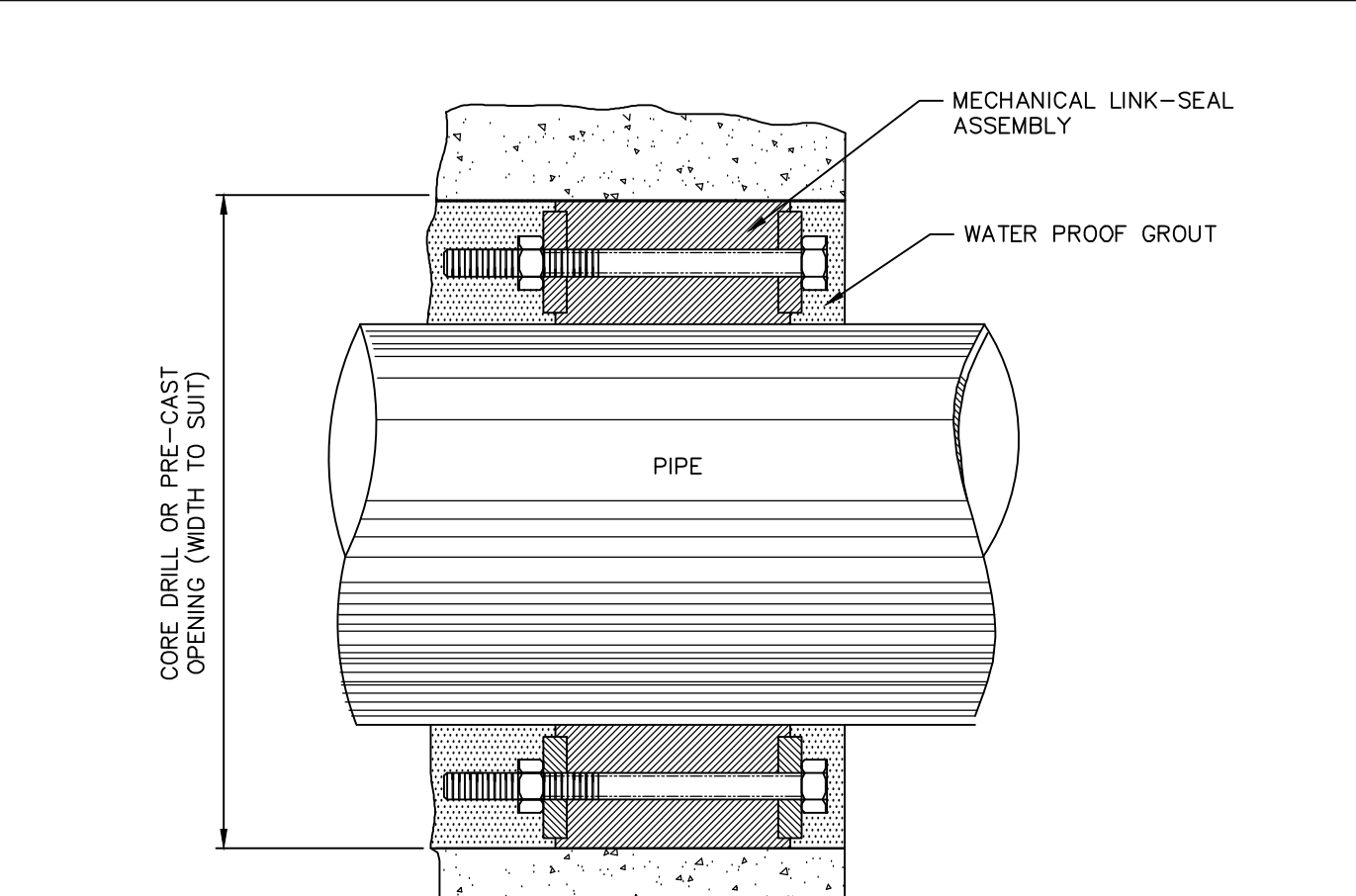
NOTES:
 1. SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. STRENGTH OF THE STRUCTURE SHALL BE CONFORMANCE WITH DCS SECTION 75-A.6(b)(1)(ii).
 4. A MINIMUM OF ONE-INCH CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF SEPTIC TANK AND TOP OF BAFFLES IN ACCORDANCE WITH DCS SECTION 75-A.6(b)(1)(v).
 5. NO GARBAGE GRINDERS SHALL BE UTILIZED.
 6. THE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.



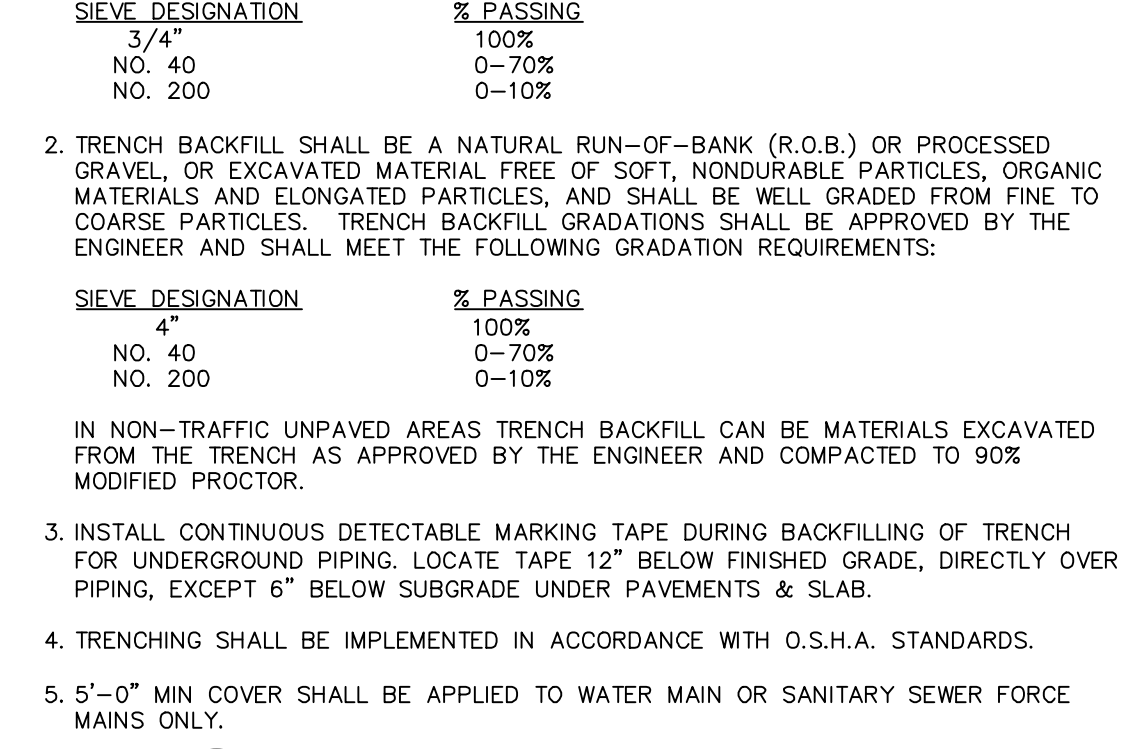
NOTES:
 1. SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. STRENGTH OF THE STRUCTURE SHALL BE CONFORMANCE WITH DCS SECTION 75-A.6(b)(1)(ii).
 4. A MINIMUM OF ONE-INCH CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF SEPTIC TANK AND TOP OF BAFFLES IN ACCORDANCE WITH DCS SECTION 75-A.6(b)(1)(v).
 5. NO GARBAGE GRINDERS SHALL BE UTILIZED.
 6. THE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.



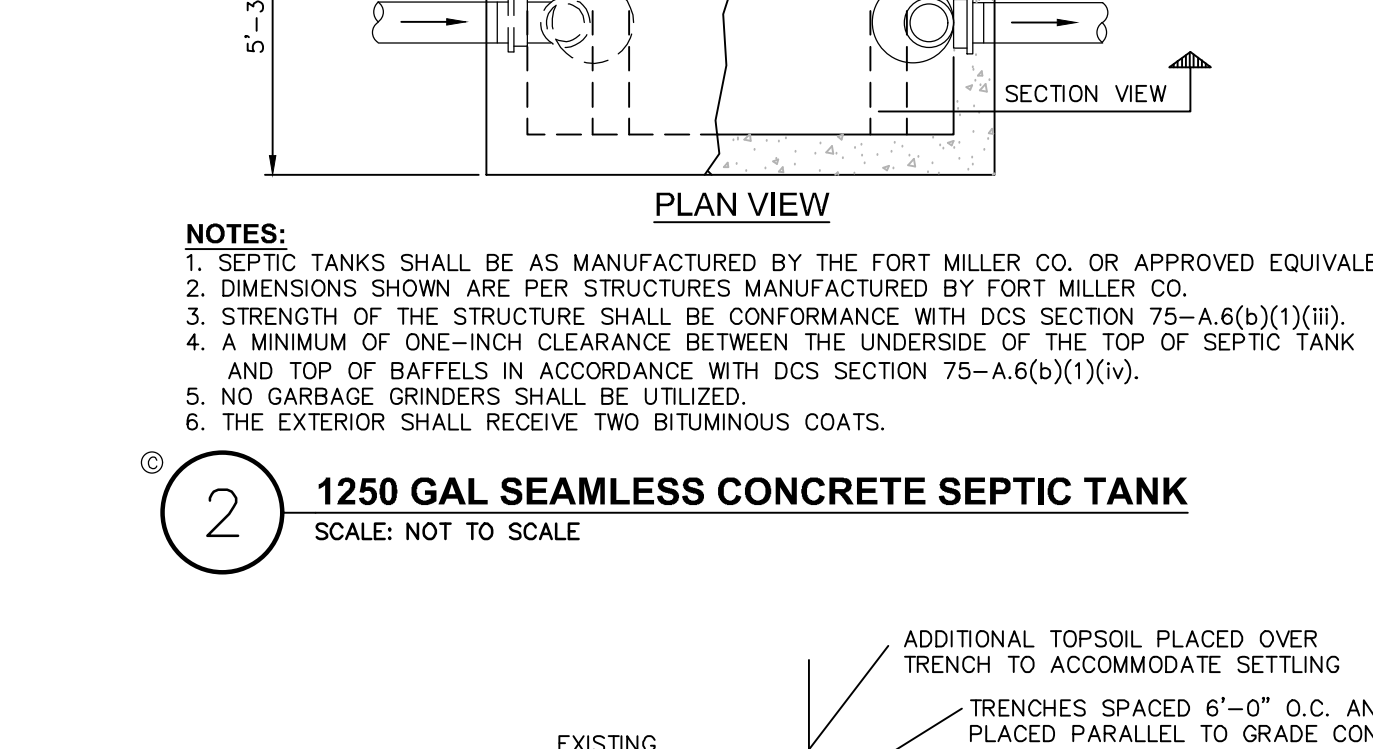
NOTES:
 1. SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. STRENGTH OF THE STRUCTURE SHALL BE CONFORMANCE WITH DCS SECTION 75-A.6(b)(1)(ii).
 4. A MINIMUM OF ONE-INCH CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF SEPTIC TANK AND TOP OF BAFFLES IN ACCORDANCE WITH DCS SECTION 75-A.6(b)(1)(v).
 5. NO GARBAGE GRINDERS SHALL BE UTILIZED.
 6. THE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.



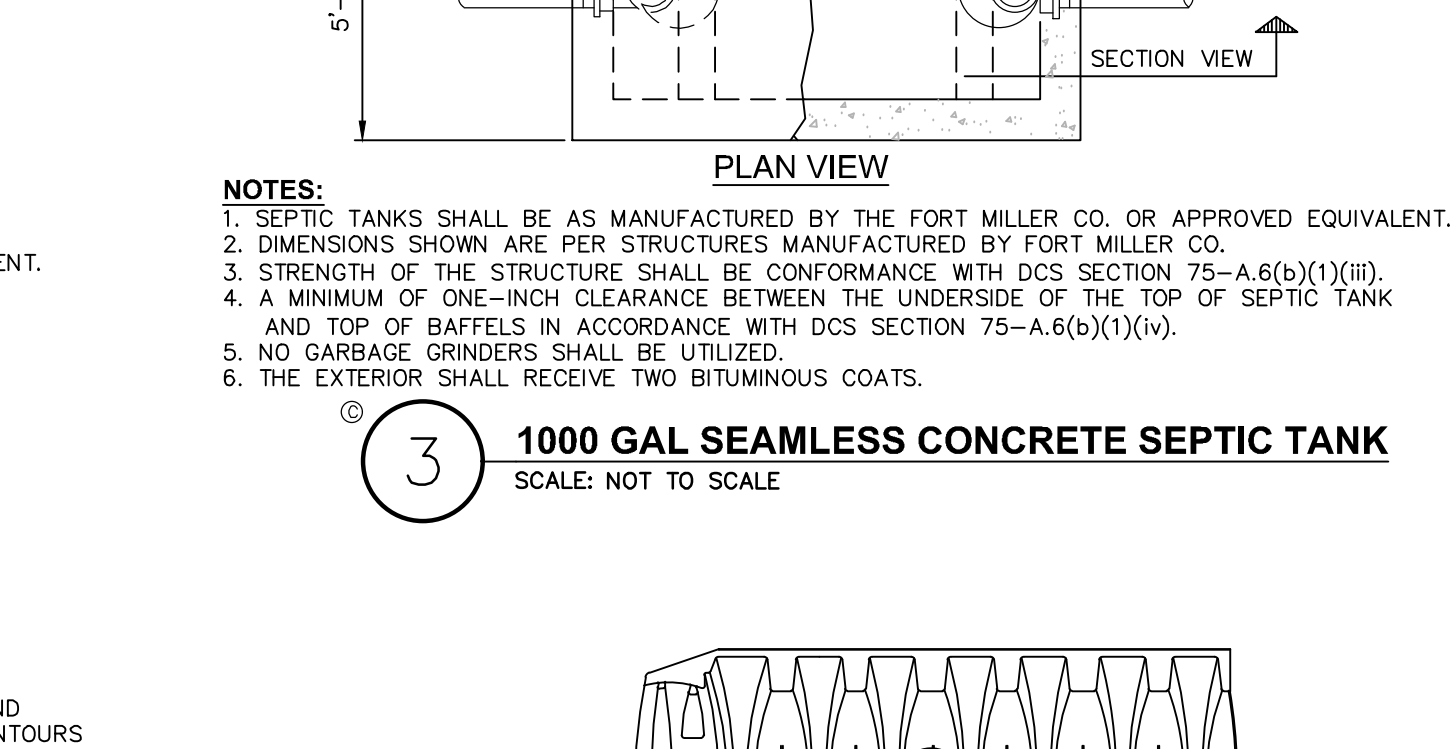
NOTES:
 1. SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. STRENGTH OF THE STRUCTURE SHALL BE CONFORMANCE WITH DCS SECTION 75-A.6(b)(1)(ii).
 4. A MINIMUM OF ONE-INCH CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF SEPTIC TANK AND TOP OF BAFFLES IN ACCORDANCE WITH DCS SECTION 75-A.6(b)(1)(v).
 5. NO GARBAGE GRINDERS SHALL BE UTILIZED.
 6. THE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.



NOTES:
 1. DISTRIBUTION BOX TO BE PROVIDED WITH PRE-FABRICATED SPEED LEVELERS AND LEVELED USING WATER.
 2. FORT MILLER TYPE 2, DESIGN CASE 4 (NON-TRAFFIC).



NOTES:
 1. IMPORTED BACKFILL SHALL BE TOPSOIL OR NATURAL RUN OF BANK SAND OR GRAVEL FREE OF ORGANIC MATERIAL AND ELONGATED PARTICLE AND HAVE A MAX PARTICLE SIZE OF 3/4".
 2. INFILTRATOR MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.



NOTES:
 1. INFILTRATOR MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

DEEP TEST PIT DATA TABLE

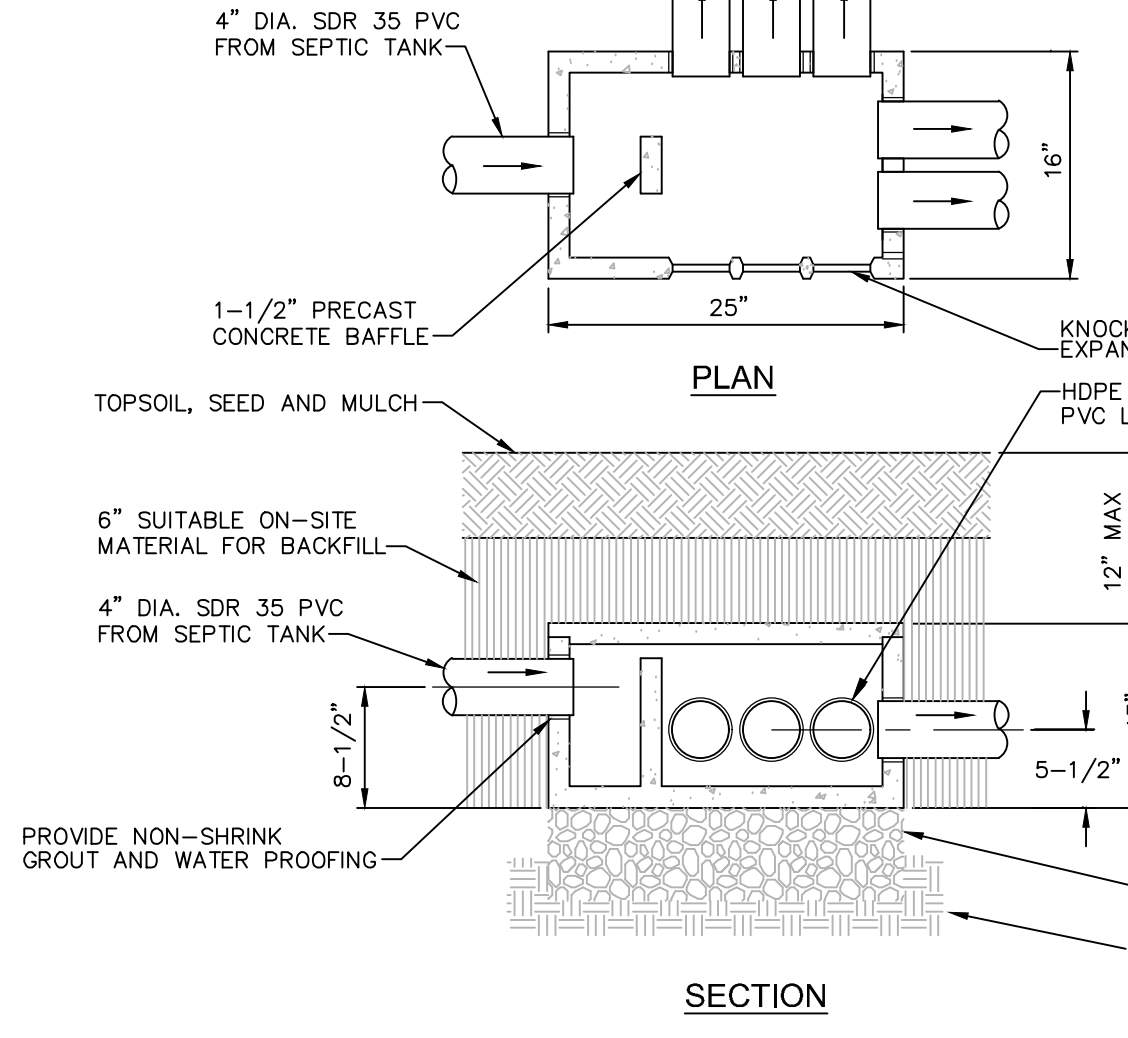
TEST#	DATE	TOTAL DEPTH	DEPTH TO ROCK	DEPTH TO WATER	DEPTH TO MOTTLING	DESCRIPTION
DT-1	07/01/20	84"	84"	---	---	0" - 3" TOPSOIL 3" - 24" SILTY SANDY LOAM W/ SOME ASH 24" - 84" SILTY SANDY LOAM W/ SHALE COBBLES
DT-2	07/01/20	96"	---	---	---	0" - 4" TOPSOIL 4" - 36" SILTY SANDY LOAM 36" - 96" SILTY CLAY
DT-3	07/01/20	84"	---	---	---	0" - 3" TOPSOIL 3" - 18" SILTY LOAM 18" - 84" SILTY CLAY
DT-4	07/01/20	84"	---	---	---	0" - 3" TOPSOIL 3" - 18" SILTY LOAM 18" - 84" SILTY CLAY

DEEP TESTS WERE WITNESSED ON 7/1/20 BY SHANNON FATURM, DUTCHESS COUNTY DEPARTMENT OF HEALTH

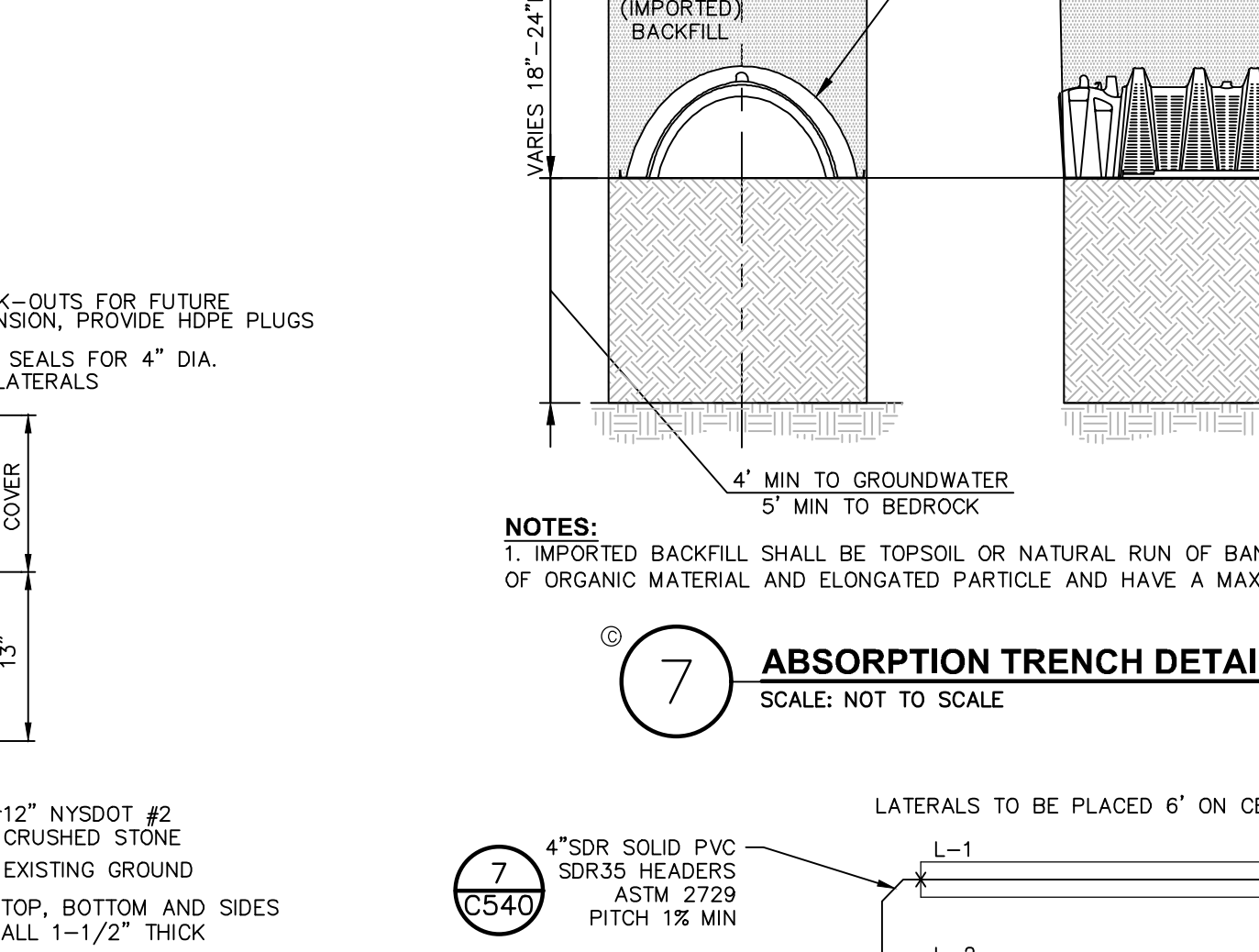
PERC TEST TABLE

PERC TEST HOLE NO.	DATE	TEST HOLE DEPTH (IN)	TEST RUN	START	FINISH	DURATION (MIN.)
PT-1	07/15/20	24"	1	9:34	9:38	4
			2	9:38	9:43	5
			3	9:44	9:49	5
PT-2	07/15/20	24"	1	9:35	9:44	9
			2	9:44	9:53:30	9.5
			3	9:54	10:04	10
PT-3	07/15/20	24"	1	9:32	10:09	37
			2	10:09	10:48	39
			3	10:48	11:27	39
PT-4	07/15/20	24"	1	9:33	10:03	30
			2	10:03	10:35	32
			3	10:35	11:07	32

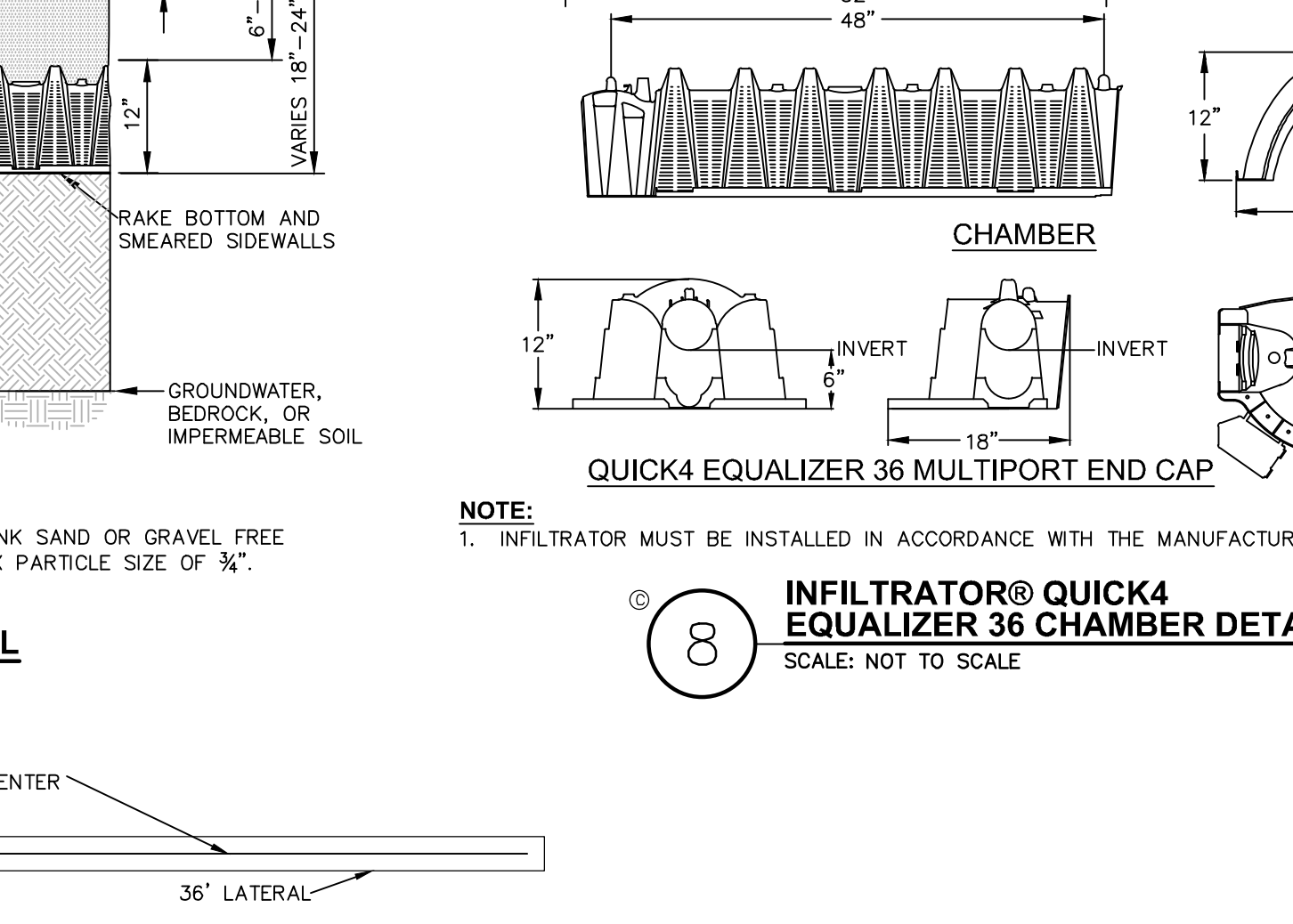
PERCOLATION TESTS 1-4 WERE PERFORMED BY THE CHAZEN COMPANIES ON 07/15/20
 PERCOLATION TESTS 1-4 WERE PRESOAKED ON 07/14/20



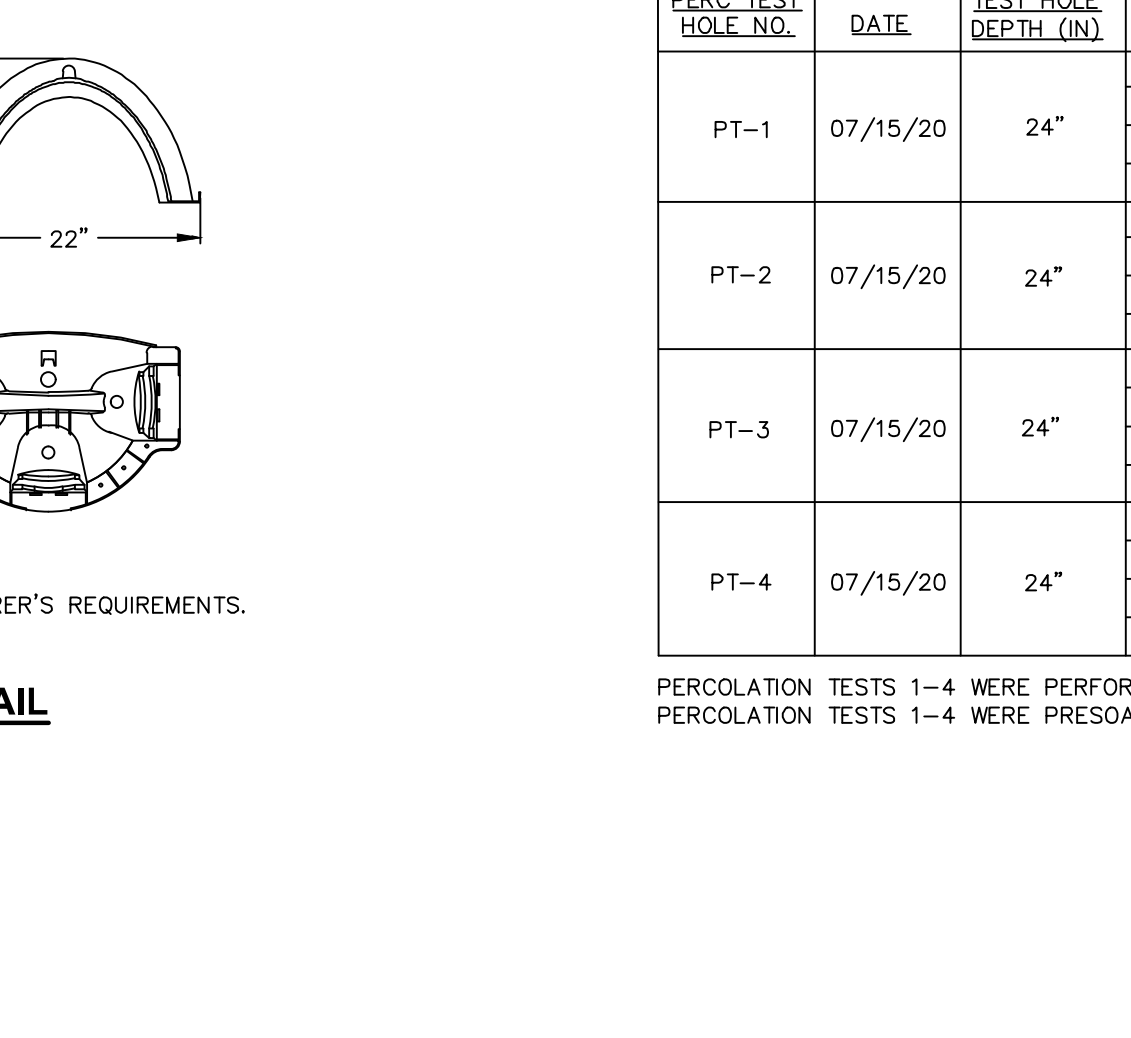
NOTES:
 1. IMPORTED BACKFILL SHALL BE TOPSOIL OR NATURAL RUN OF BANK SAND OR GRAVEL FREE OF ORGANIC MATERIAL AND ELONGATED PARTICLE AND HAVE A MAX PARTICLE SIZE OF 3/4".
 2. INFILTRATOR MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.



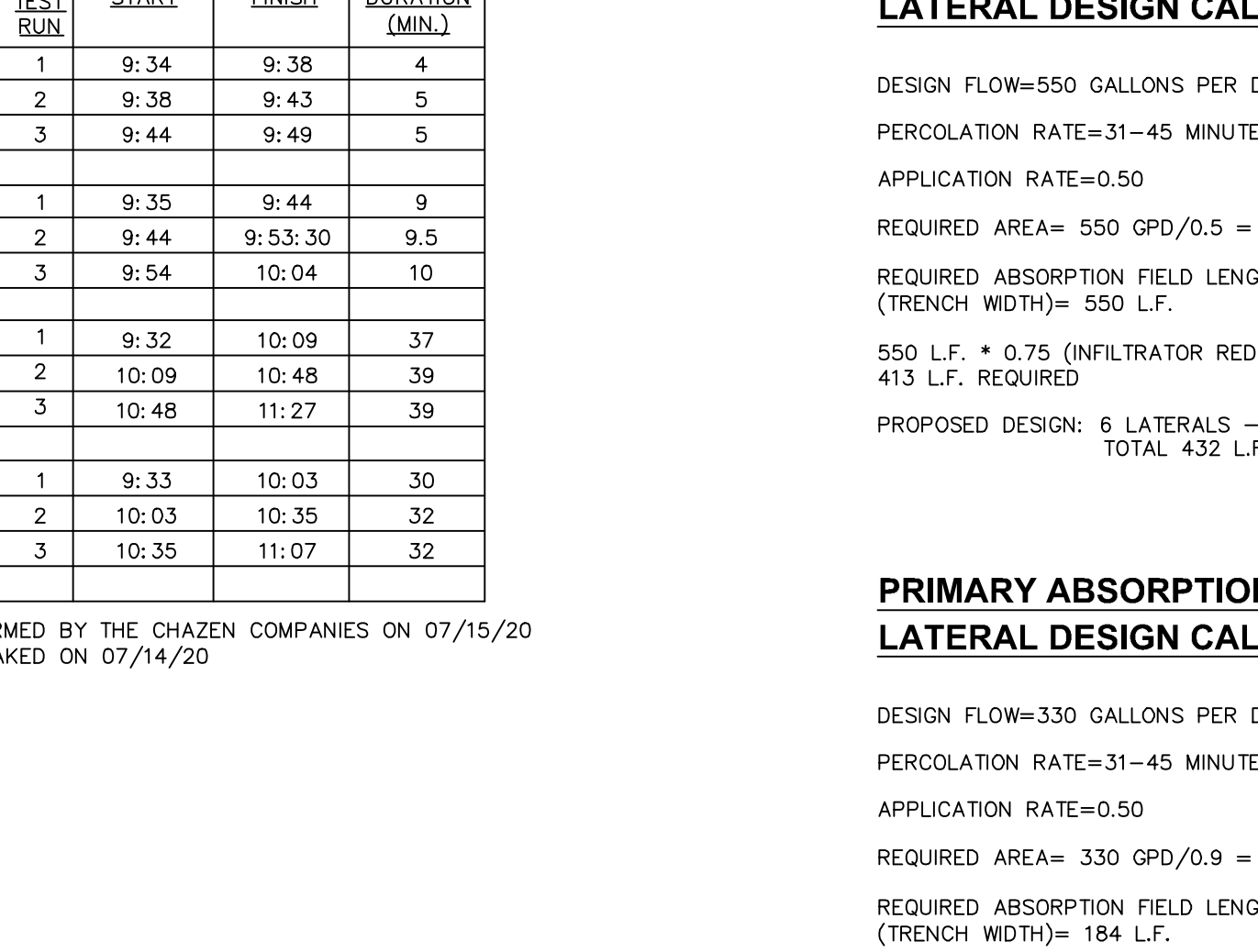
NOTES:
 1. SAND AND GRAVEL FILL WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL, AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED. THE FILL SHALL BE PLACED IN 6" LIFTS, MECHANICALLY COMPACTED, AND ALLOWED TO NATURALLY SETTLE FOR A MINIMUM OF ONE MONTH. THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER PLACE, IS OF THE PROPER QUANTITY AND DIMENSIONS, AND IS OF PROPER QUALITY. PROPER PERCOLATION TESTS, THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.



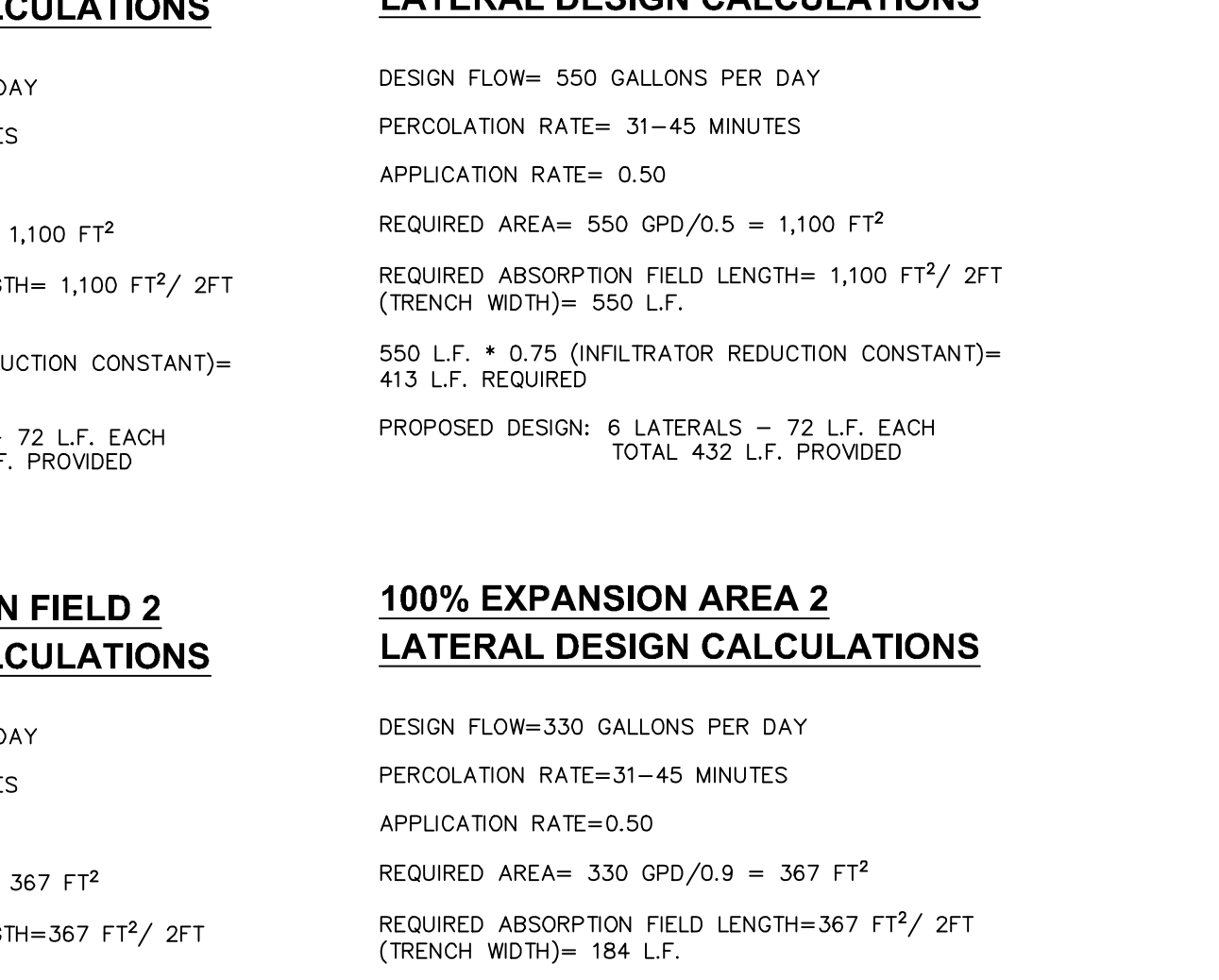
NOTES:
 1. THERE IS TO BE 4 FEET OF SOLID FOUR INCH PVC SLOPED AT ONE (1%) PERCENT FROM THE DISTRIBUTION BOX TO EACH LATERAL, BEFORE INCREASING SLOPE TO MATCH INVERTS SHOWN.



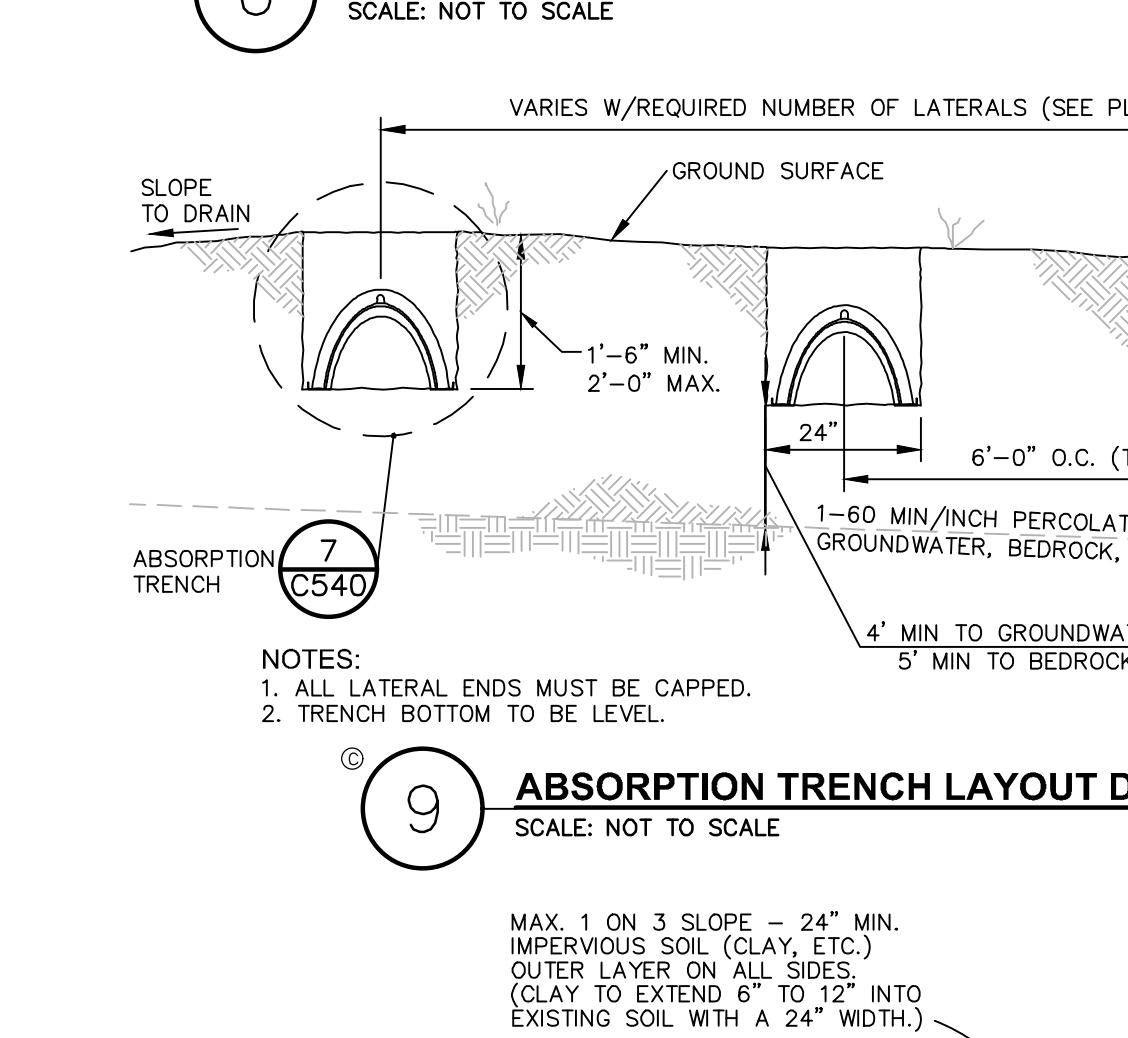
NOTES:
 1. DISTRIBUTION BOX TO BE PROVIDED WITH PRE-FABRICATED SPEED LEVELERS AND LEVELED USING WATER.
 2. DISTRIBUTION BOX SHALL BE TYPE 3, DESIGN CASE 4 (NON-TRAFFIC) AS MANUFACTURED BY FORT MILLER CO. OR EQUAL.
 3. A MINIMUM OF 2'-FT SOLID PIPE SHALL BE PROVIDED BETWEEN THE DISTRIBUTION BOX AND OWYS. REFER TO SEPTIC SYSTEM LAYOUT FOR EXACT LENGTH OF PIPE.



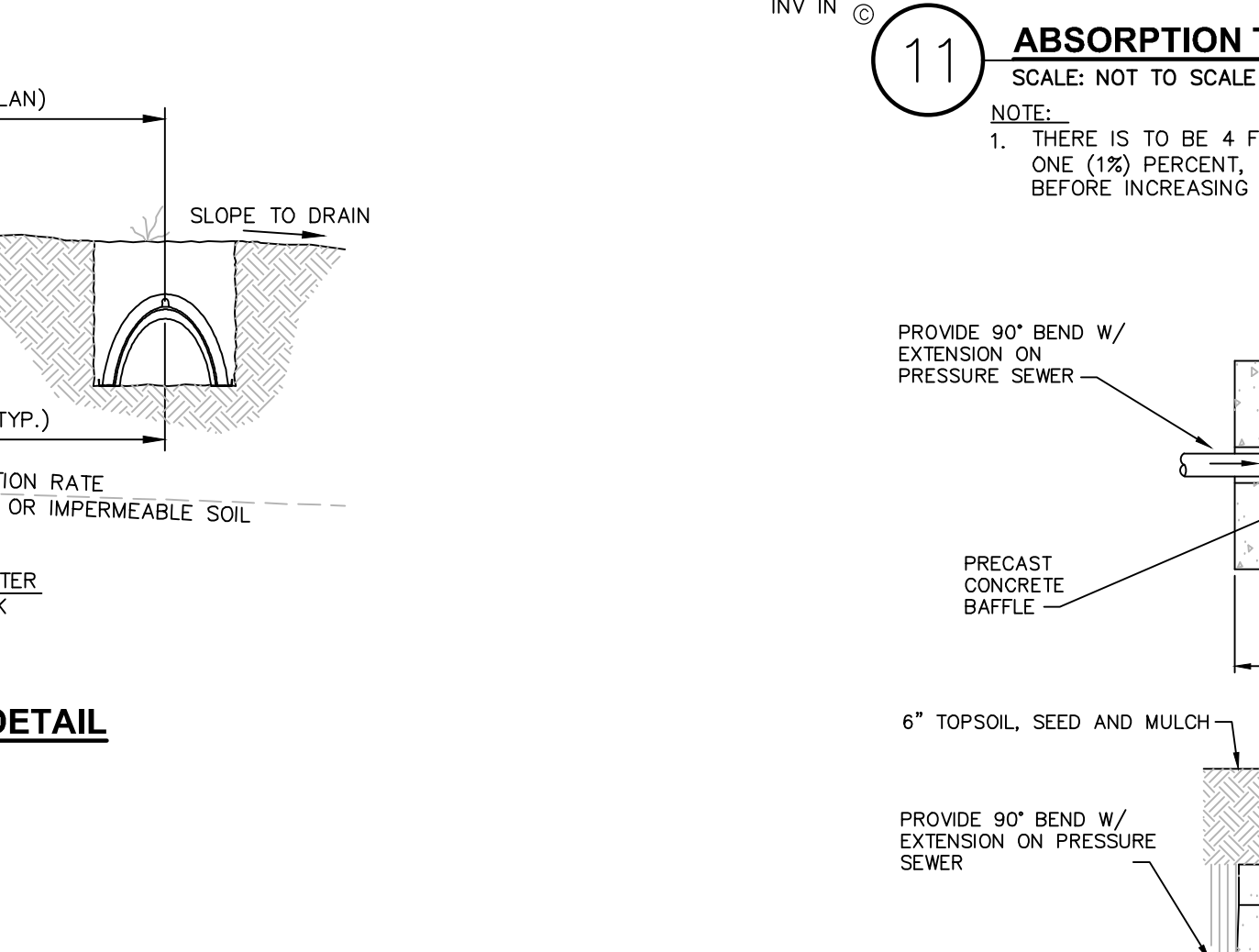
NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



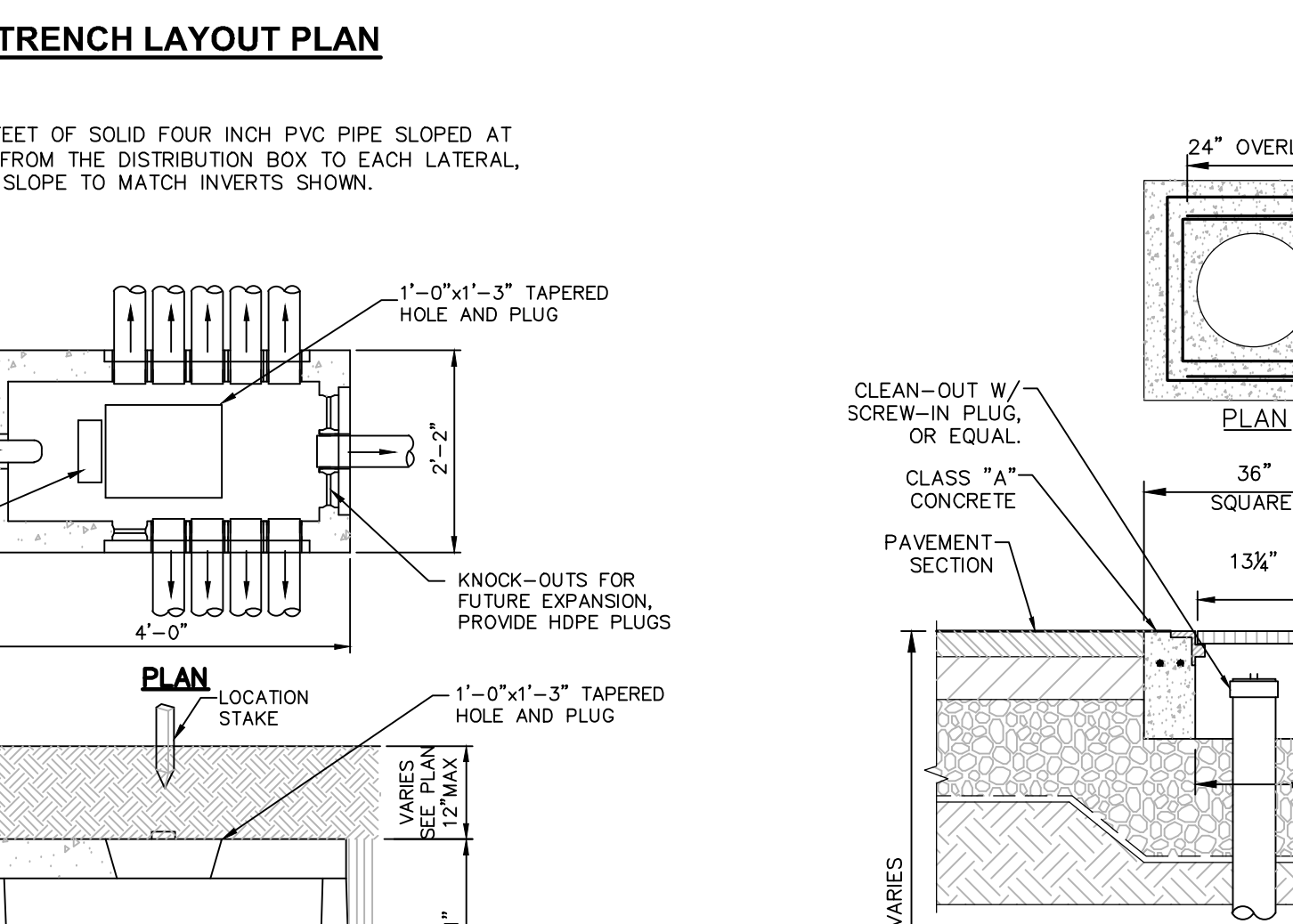
NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



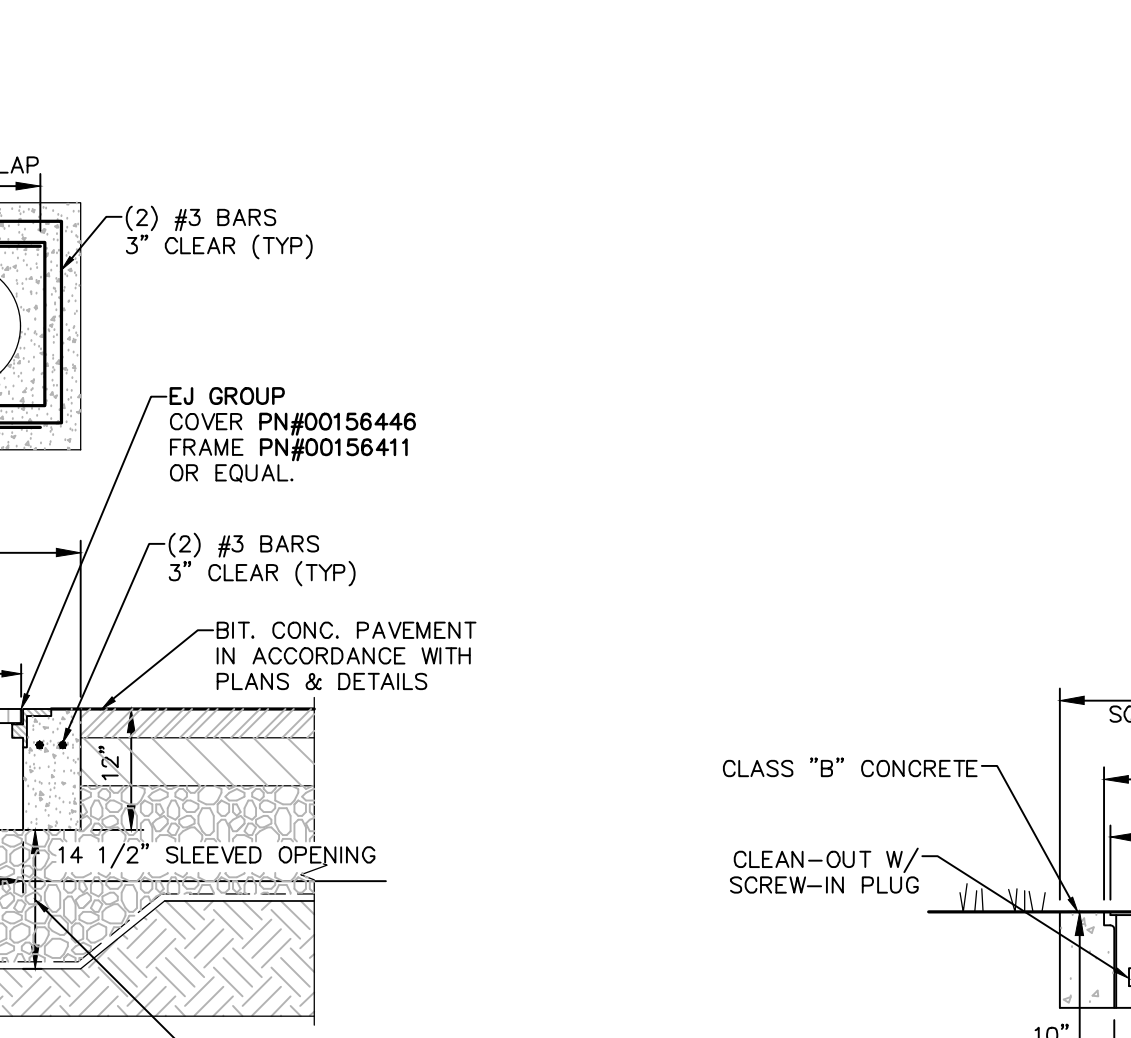
NOTES:
 1. GREASE TRAP SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. THE STRUCTURE SHALL BE ABLE TO SUPPORT AT LEAST 300 PSF.
 4. THERE SHALL BE A ONE-INCH MINIMUM CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF THE TANK AND THE TOP OF ALL BAFFLES.



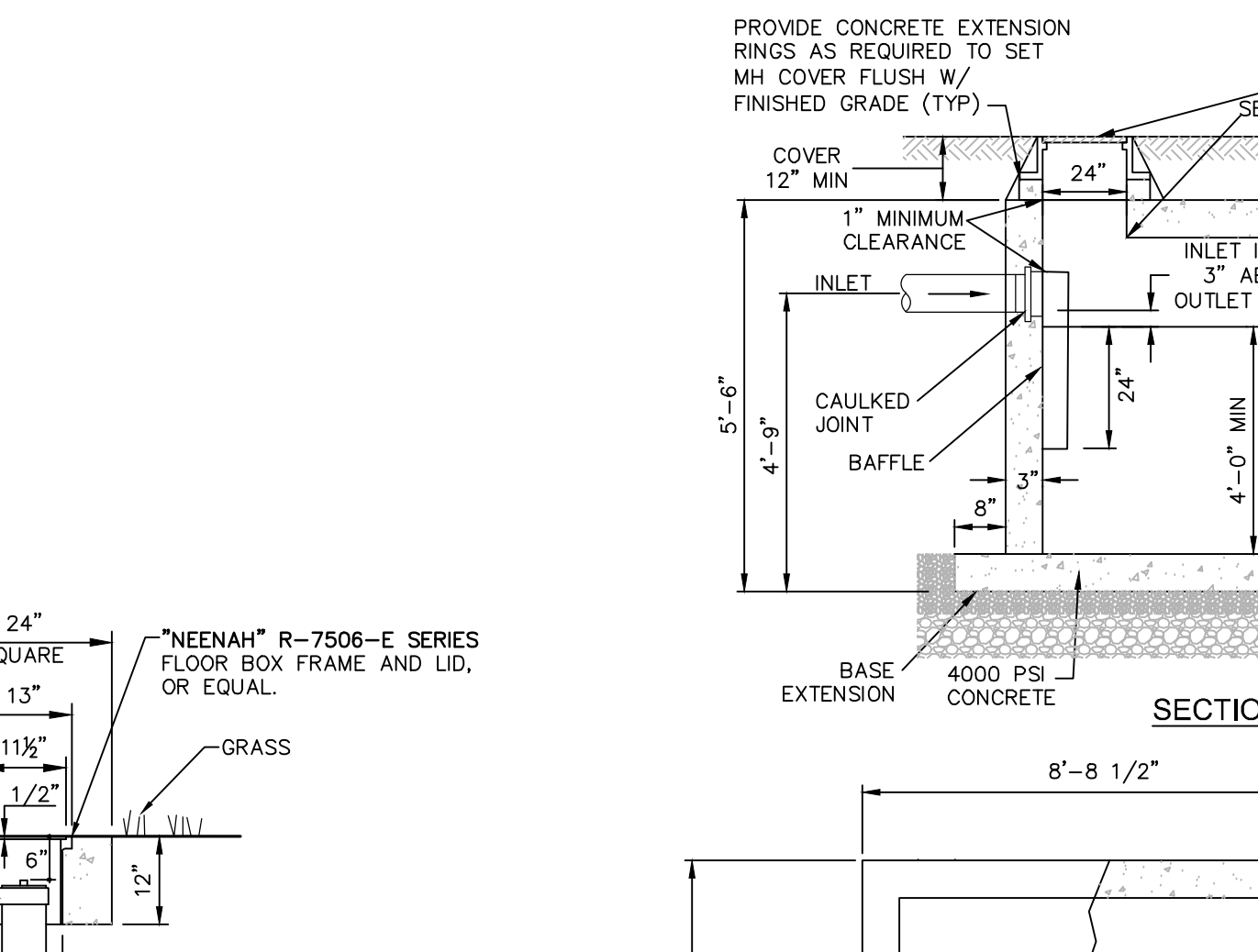
GREASE TRAP SIZING CALCULATIONS:
 PER TABLE E 103.3(2), LOAD VALUES ASSIGNED TO FIXTURES, IN THE NYS PLUMBING CODE, THE LOAD VALUES IN WATER SUPPLY FIXTURES UNITS (DFU) OF A RESTROOM ASSOCIATED WITH A HOTEL/RESTAURANT WOULD BE A FIXTURE UNITS.
 PER TABLE E 103.3(3), TABLE FOR ESTIMATING DEMAND, IN THE NYS PLUMBING CODE, THE DEMAND ASSOCIATED WITH 4 FIXTURE UNITS IS 80DFU.
 TO ACHIEVE A 30 MINUTE DETENTION TIME THE TANK WOULD NEED TO BE: 8 GPM X 30 MIN=240 GALLON TANK
 A 1000 GALLON GREASE TRAP IS PROPOSED.



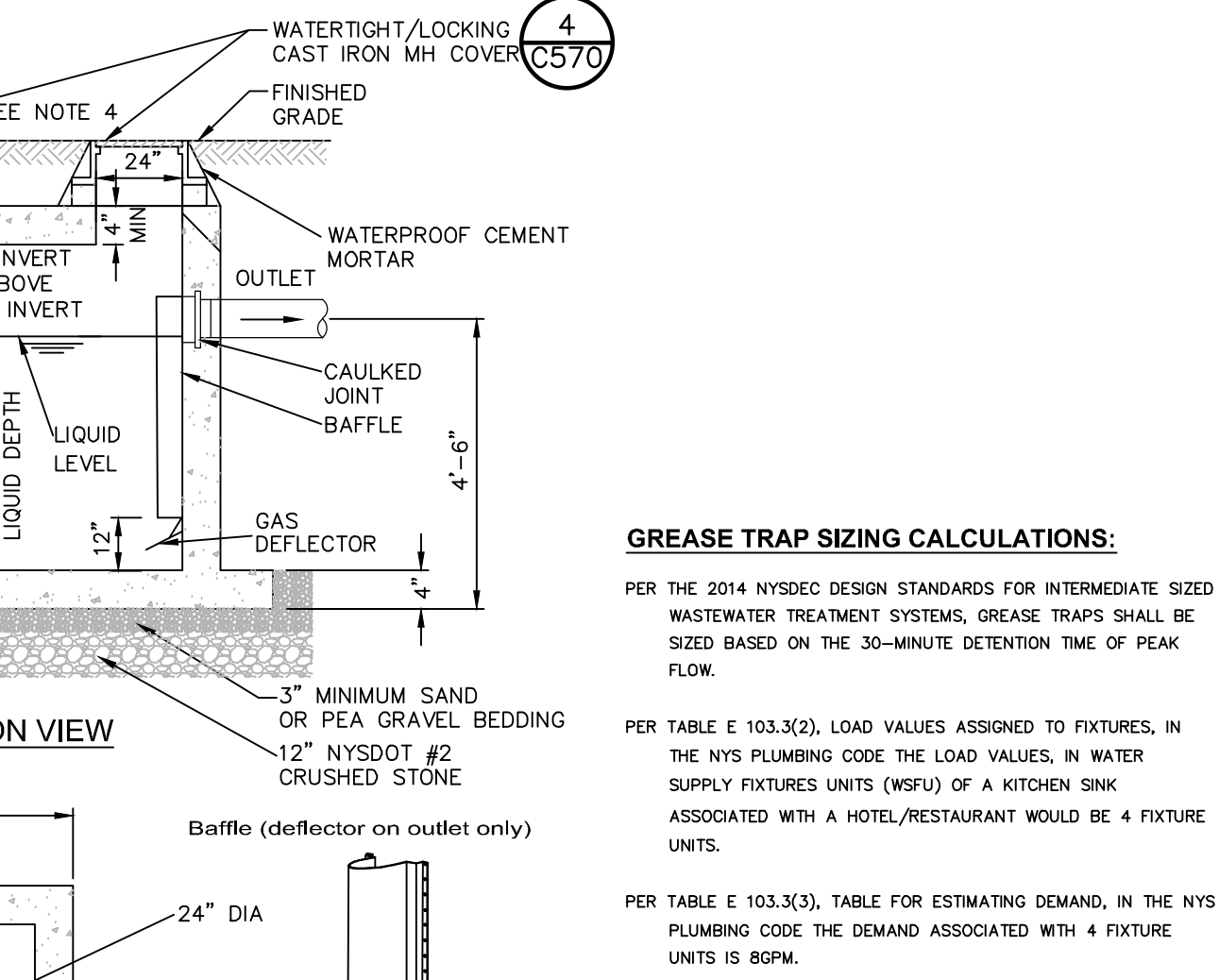
NOTES:
 1. SAND AND GRAVEL FILL WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL, AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED. THE FILL SHALL BE PLACED IN 6" LIFTS, MECHANICALLY COMPACTED, AND ALLOWED TO NATURALLY SETTLE FOR A MINIMUM OF ONE MONTH. THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER PLACE, IS OF THE PROPER QUANTITY AND DIMENSIONS, AND IS OF PROPER QUALITY. PROPER PERCOLATION TESTS, THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.



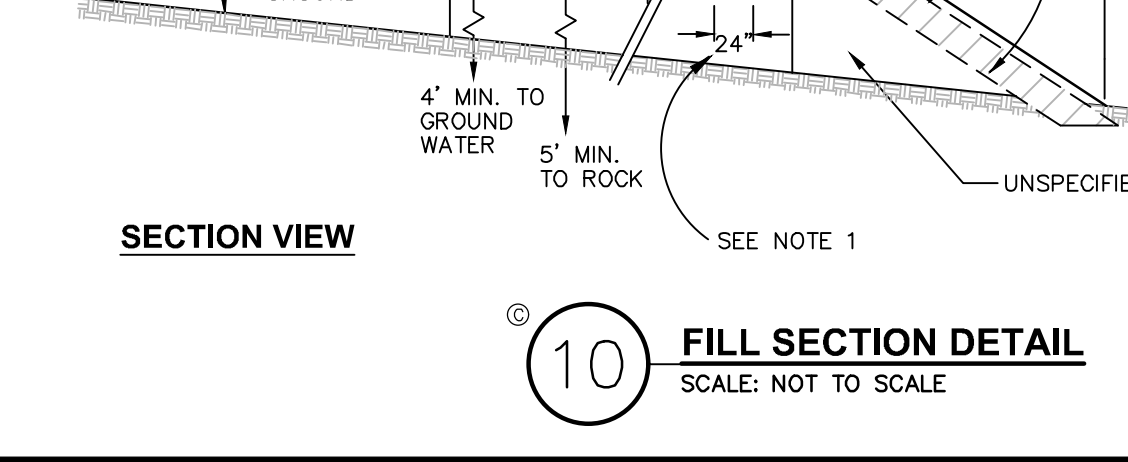
NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



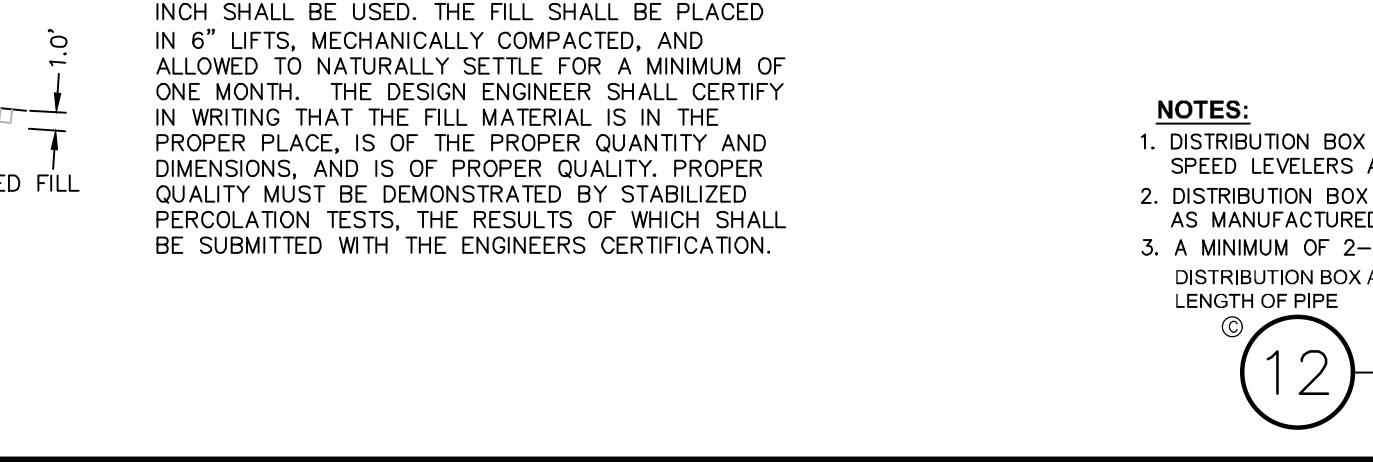
NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



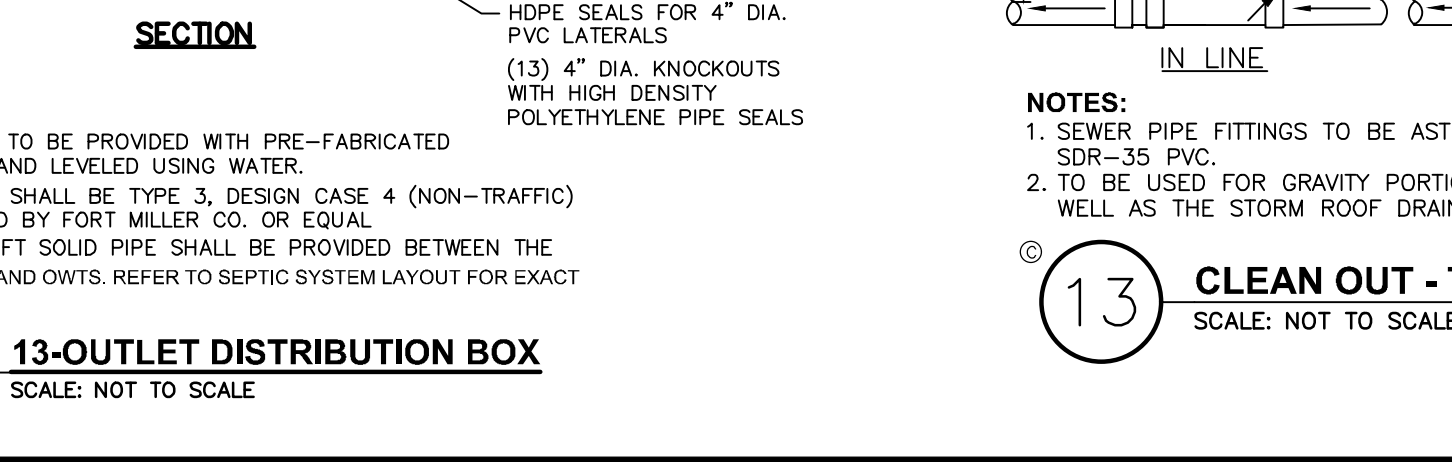
NOTES:
 1. GREASE TRAP SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. THE STRUCTURE SHALL BE ABLE TO SUPPORT AT LEAST 300 PSF.
 4. THERE SHALL BE A ONE-INCH MINIMUM CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF THE TANK AND THE TOP OF ALL BAFFLES.



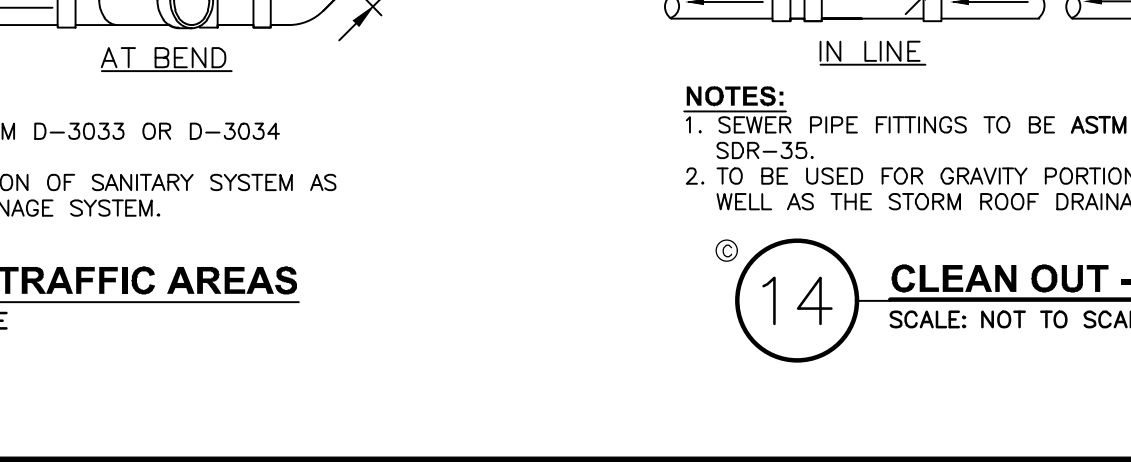
NOTES:
 1. SAND AND GRAVEL FILL WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL, AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED. THE FILL SHALL BE PLACED IN 6" LIFTS, MECHANICALLY COMPACTED, AND ALLOWED TO NATURALLY SETTLE FOR A MINIMUM OF ONE MONTH. THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER PLACE, IS OF THE PROPER QUANTITY AND DIMENSIONS, AND IS OF PROPER QUALITY. PROPER PERCOLATION TESTS, THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.



NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



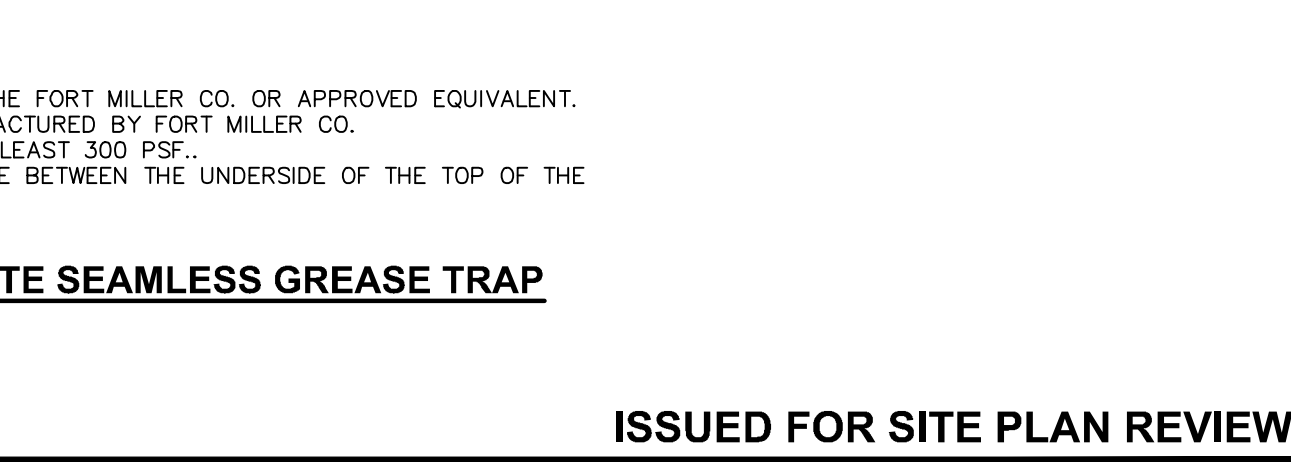
NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35 PVC.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM FLOOR DRAINAGE SYSTEM.



NOTES:
 1. GREASE TRAP SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. THE STRUCTURE SHALL BE ABLE TO SUPPORT AT LEAST 300 PSF.
 4. THERE SHALL BE A ONE-INCH MINIMUM CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF THE TANK AND THE TOP OF ALL BAFFLES.

REVISIONS

REV.	DATE	DESCRIPTION
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS



NOTES:
 1. GREASE TRAP SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT.
 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.
 3. THE STRUCTURE SHALL BE ABLE TO SUPPORT AT LEAST 300 PSF.
 4. THERE SHALL BE A ONE-INCH MINIMUM CLEARANCE BETWEEN THE UNDERSIDE OF THE TOP OF THE TANK AND THE TOP OF ALL BAFFLES.

Big Safely New York
 Call Before You Dig
 Dig with Care
 800-962-7962
 www.digwithcare.com

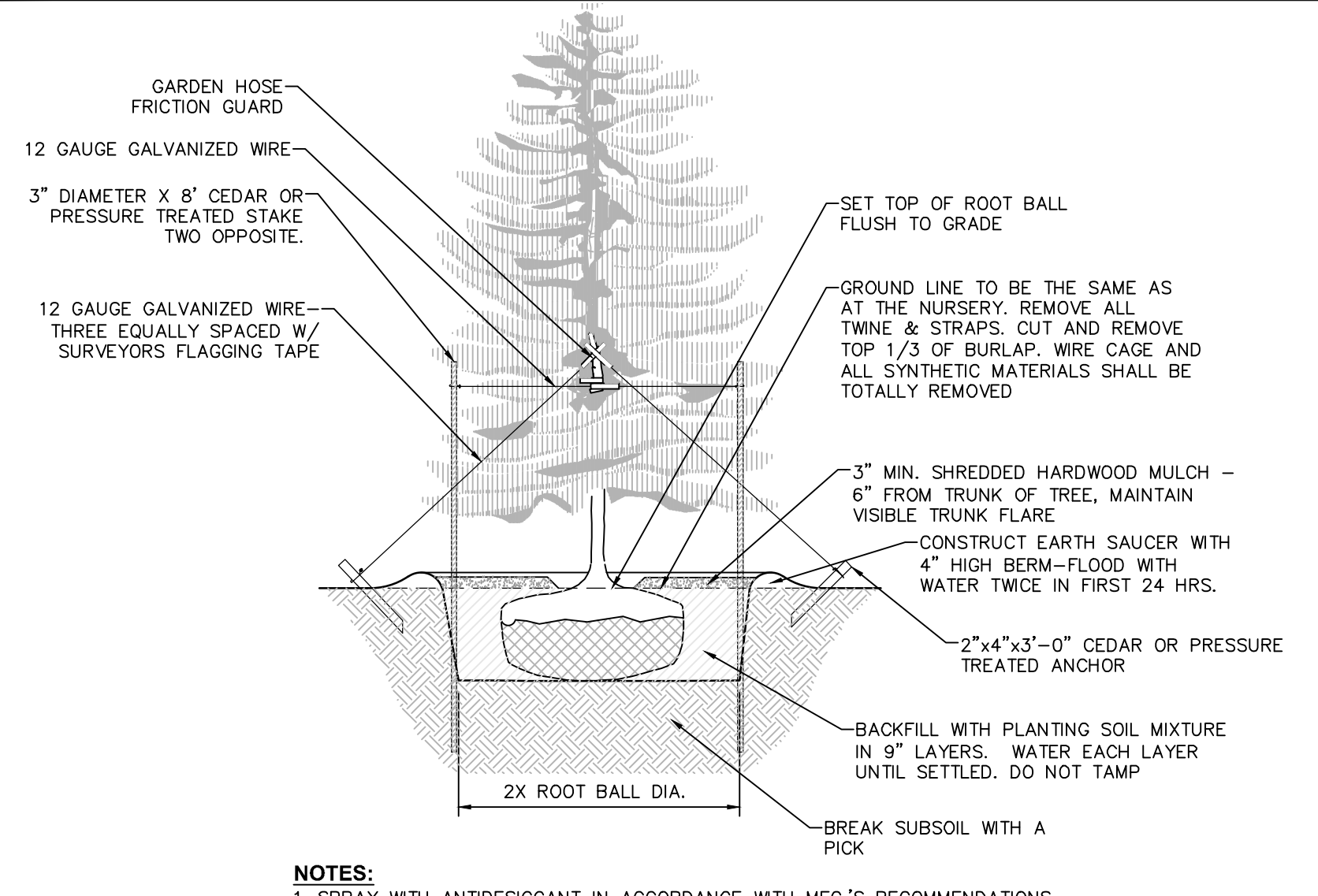
ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT TO BE REPRODUCED, COPIED, OR REPRESENTED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.
 IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION ALTERED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
 I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.
 Office Locations:
 Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
 Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
 North Country Office: 20 Elm Street (Suite 110), Glens Falls, New York 12061, Phone: (518) 812-0513
 Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
 Westchester NY Office: 1426 Wiltona Street (Suite 102), White Plains, New York 10601, Phone: (914) 997-8510
 Chattanooga Tennessee Office: 1426 Wiltona Street (Suite 102), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

ISSUED FOR SITE PLAN REVIEW

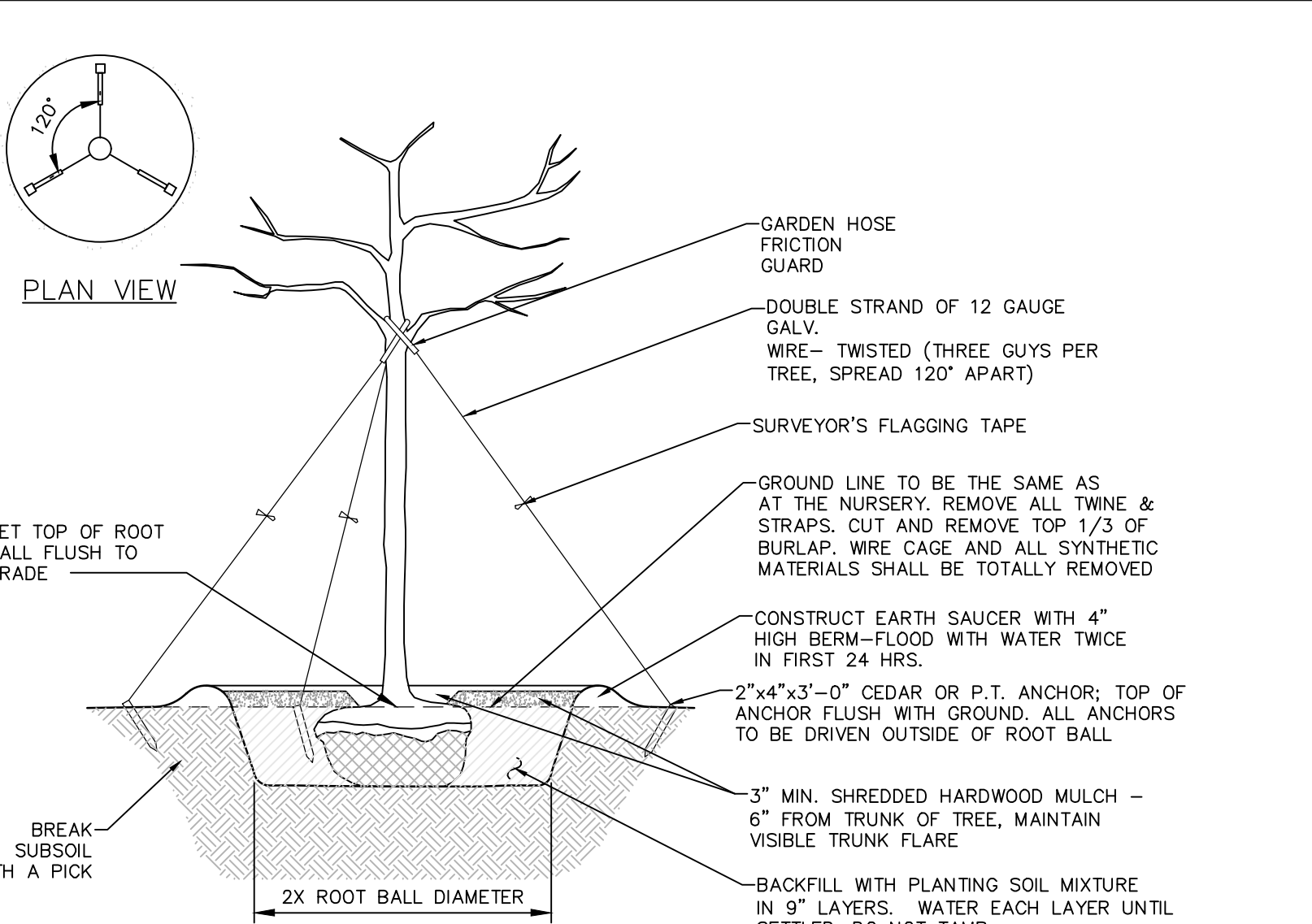
GASLAND PETROLEUM, INC.-NYS RTE 9D/CR 28-TOWN OF WAPPINGER
SUBSURFACE DISPOSAL SYSTEM DETAILS
 TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed SPL scale 01/09/2013 NTS
 checked CPL
 project no. 61941.00
 sheet no. C570



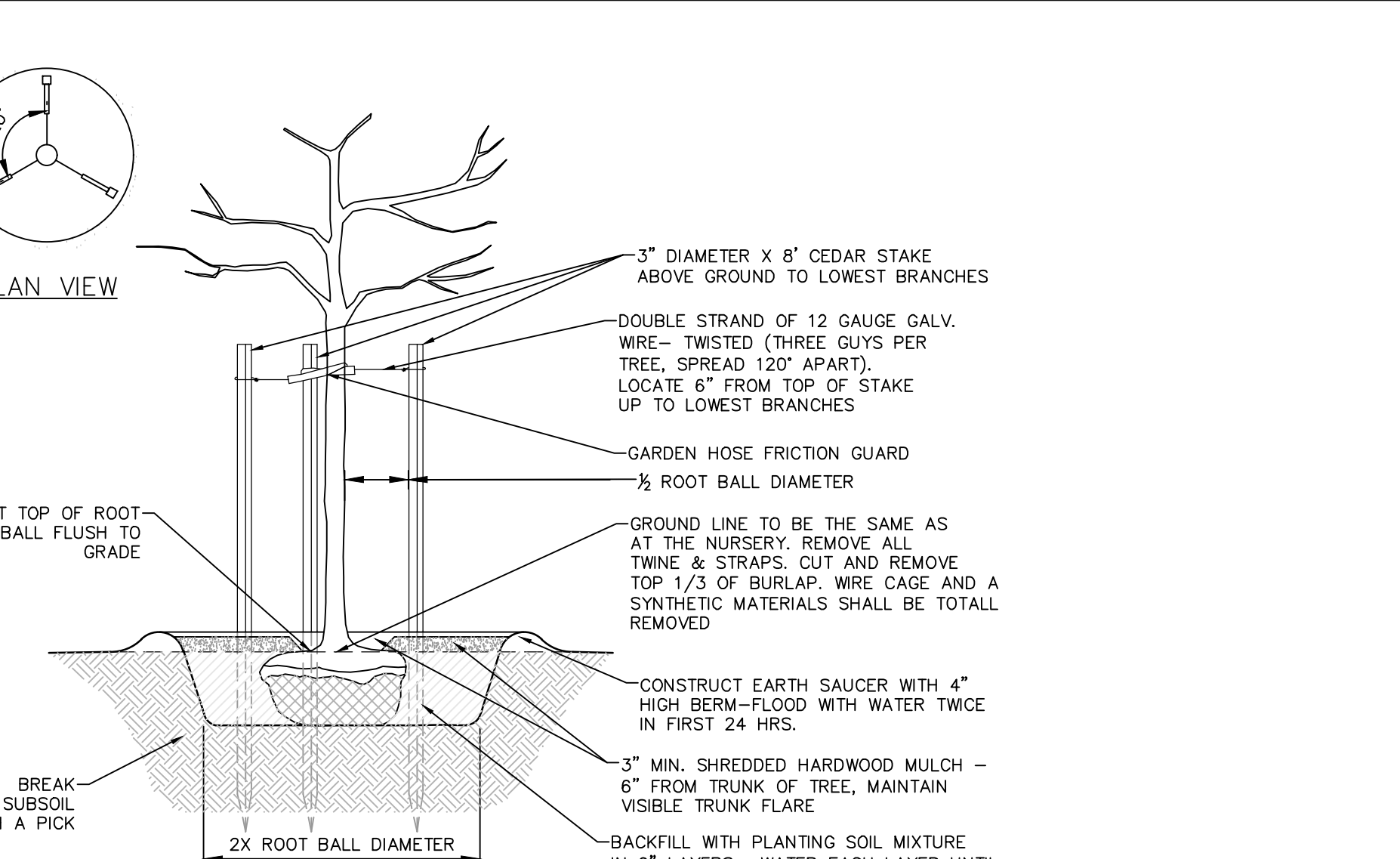
- NOTES:**
1. SPRAY WITH ANTIDISECCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS.
 2. TREES LESS THAN 3\"/>

1 EVERGREEN PLANTING DETAIL
SCALE: NOT TO SCALE



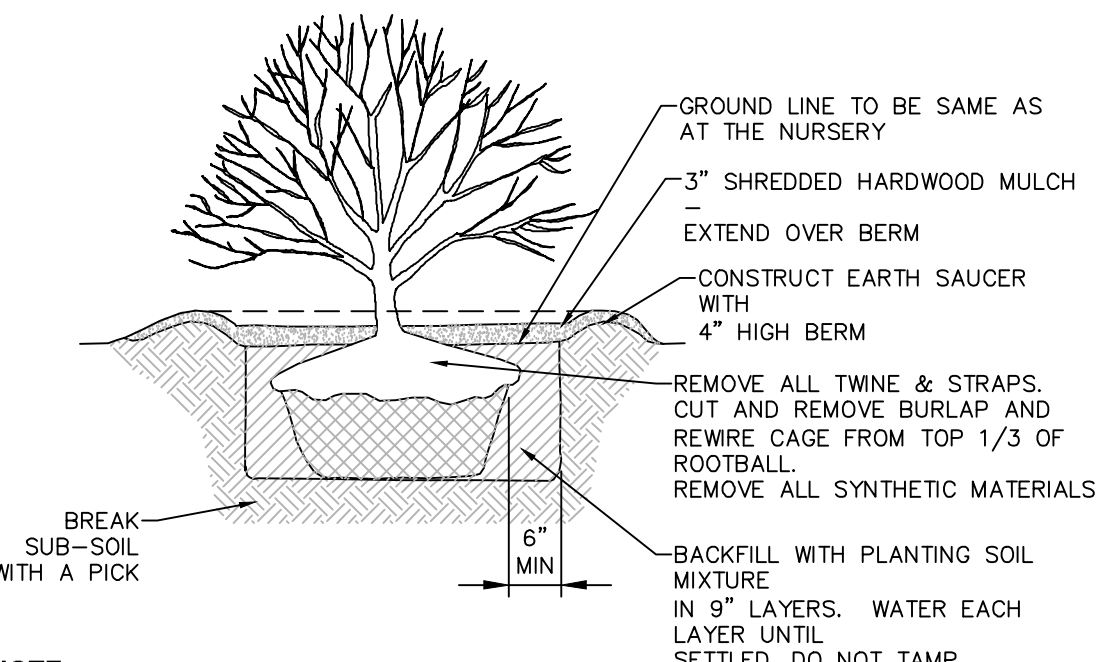
- NOTES:**
1. STAKES SHALL BE REMOVED AT THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

2 PLANTING AND GUYING DETAILS-FOR TREES 3\"/>



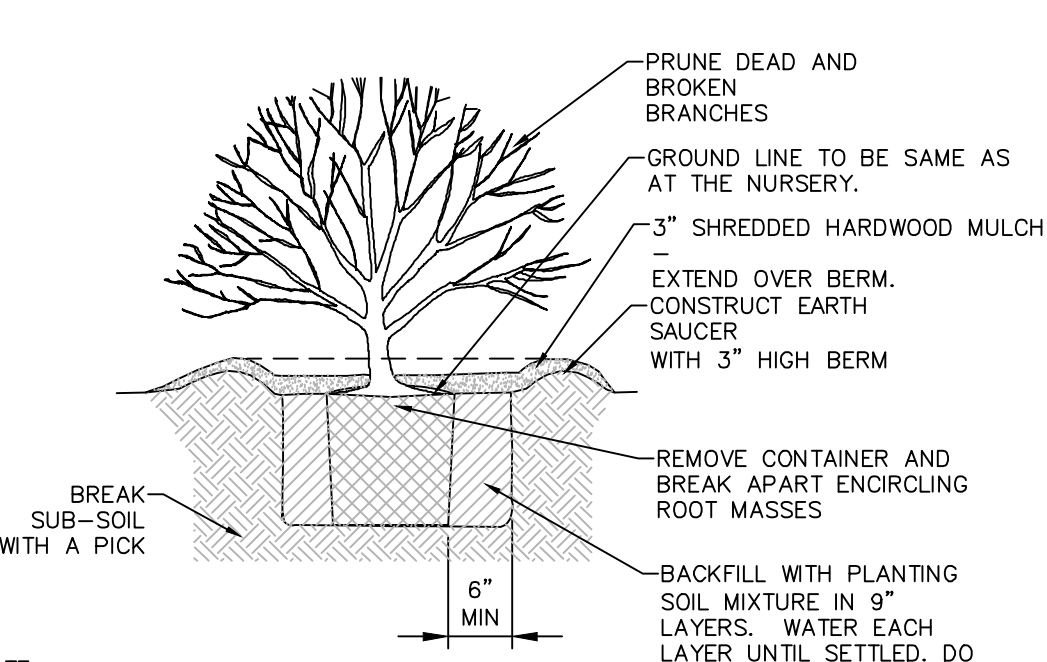
- NOTES:**
1. STAKES SHALL BE REMOVED AT THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

3 PLANTING AND GUYING DETAILS-FOR TREES SMALLER THAN 3\"/>



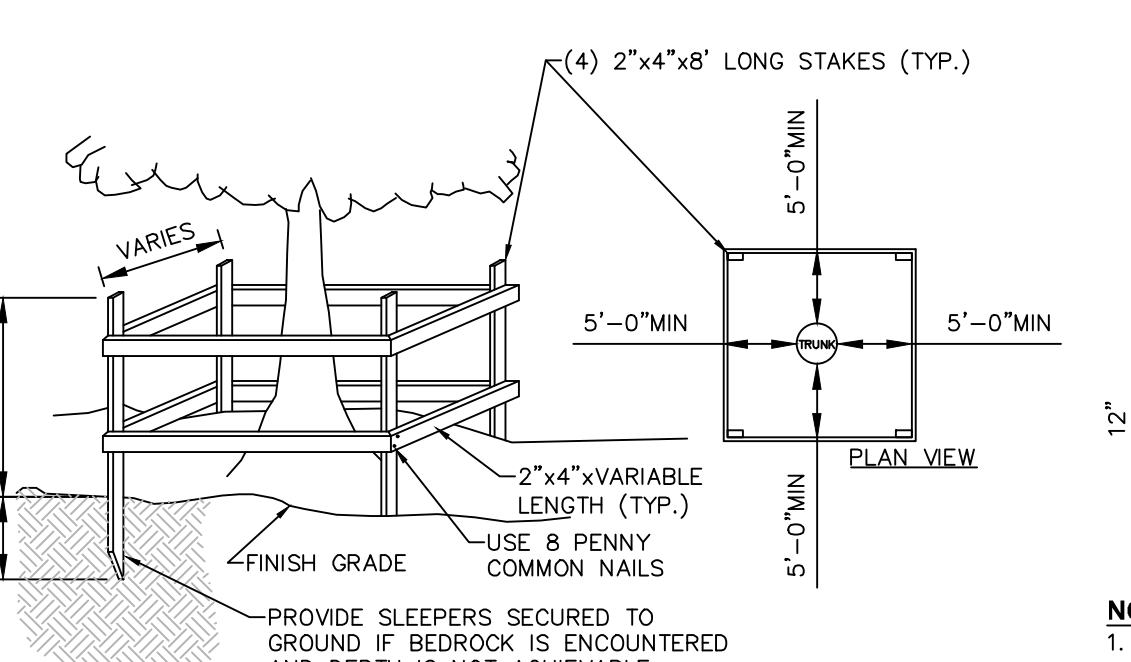
- NOTE:**
1. SPRAY WITH ANTIDISECCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS IF FOLIAGE IS PRESENT.

4 SHRUB PLANTING DETAIL FOR ALL SHRUBS BALLED AND BURLAPPED
SCALE: NOT TO SCALE



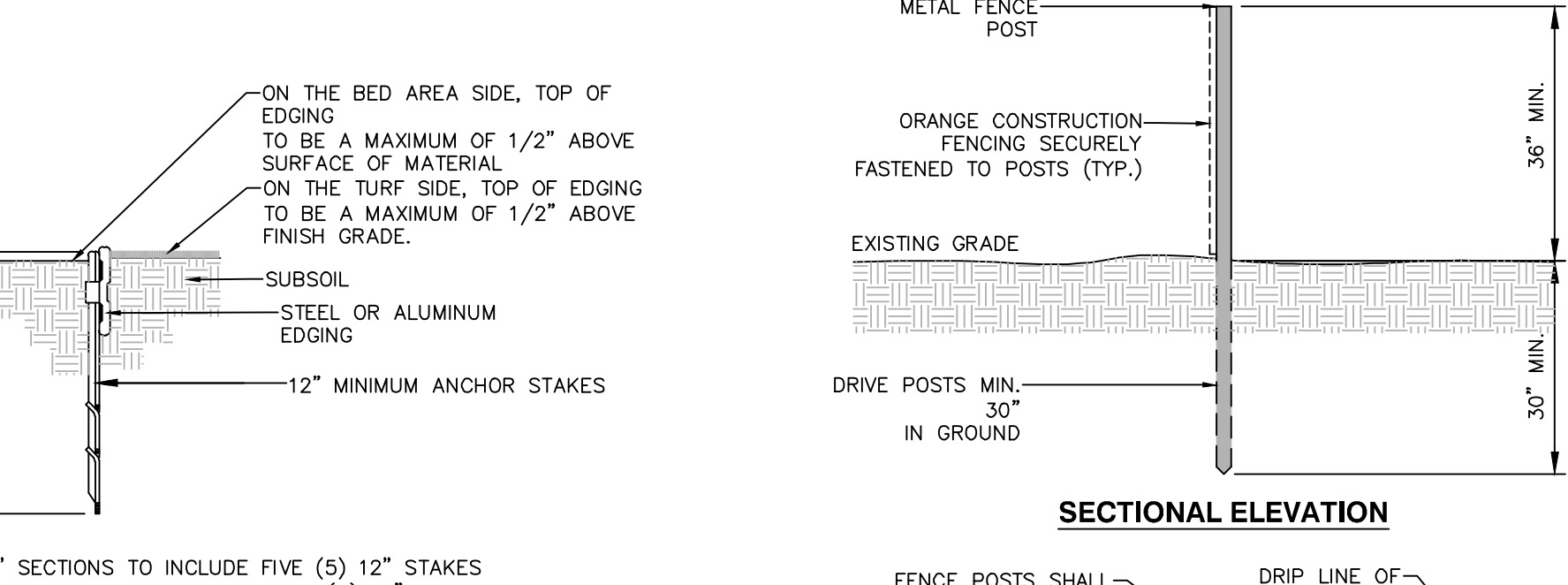
- NOTE:**
1. SPRAY WITH ANTI DISECCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS IF FOLIAGE IS PRESENT.

5 SHRUB PLANTING DETAIL FOR CONTAINERIZED SHRUBS
SCALE: NOT TO SCALE



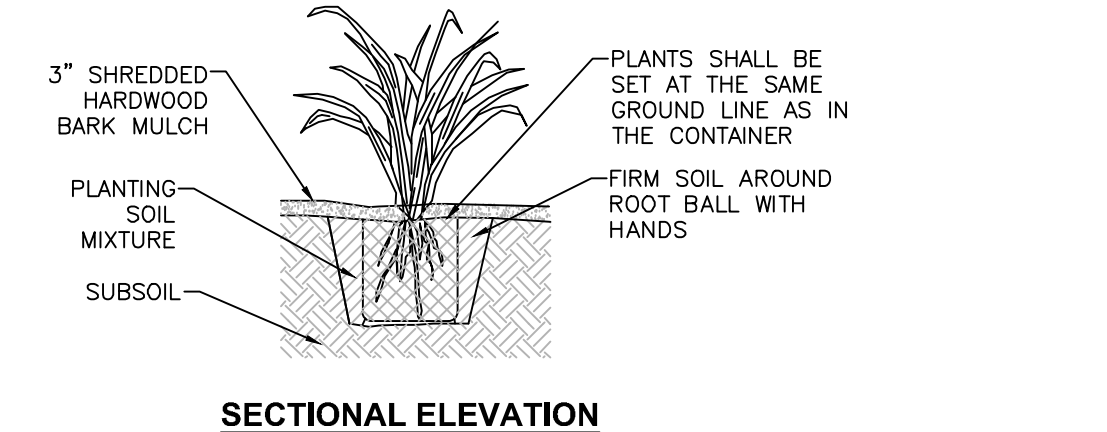
- NOTE:**
1. SEE LANDSCAPING PLAN FOR ADDITIONAL TREE PROTECTION NOTES.

6 TEMPORARY TREE PROTECTION DETAIL
SCALE: NOT TO SCALE



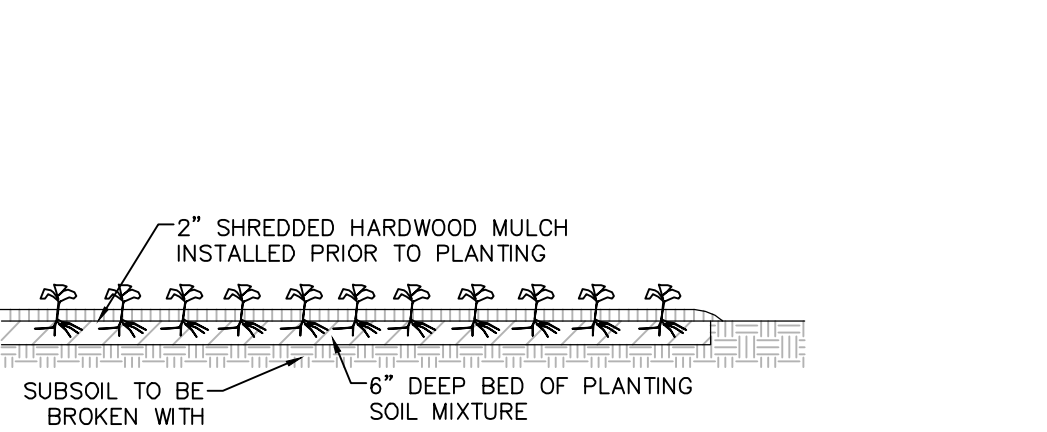
- NOTES:**
1. 16\"/>

7 LANDSCAPE BED EDGING
SCALE: NOT TO SCALE



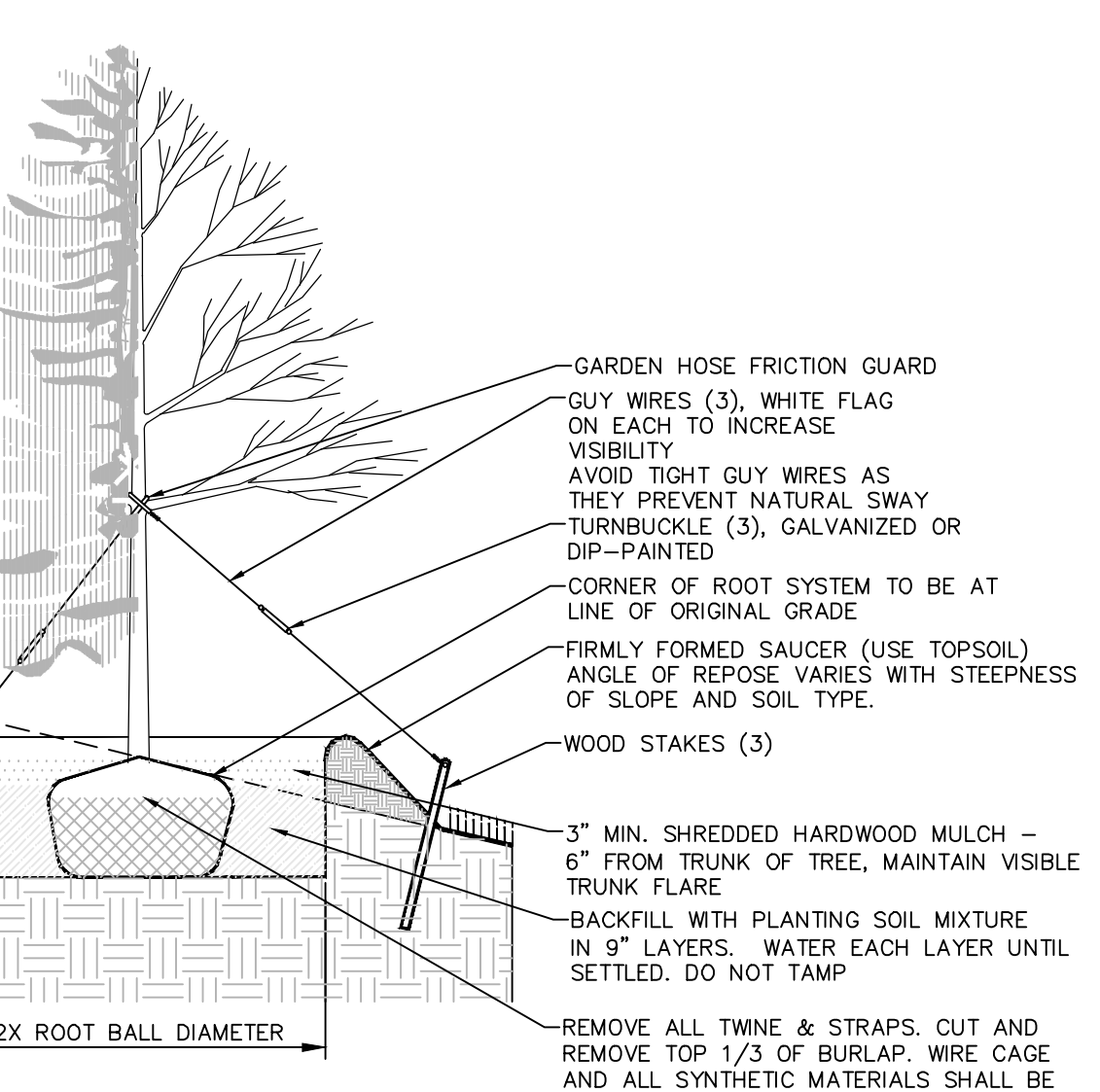
- NOTES:**
1. SPADED PLANTING SOIL MIX (4\"/>

8 CONTAINERIZED PERENNIAL PLANTING
SCALE: NOT TO SCALE



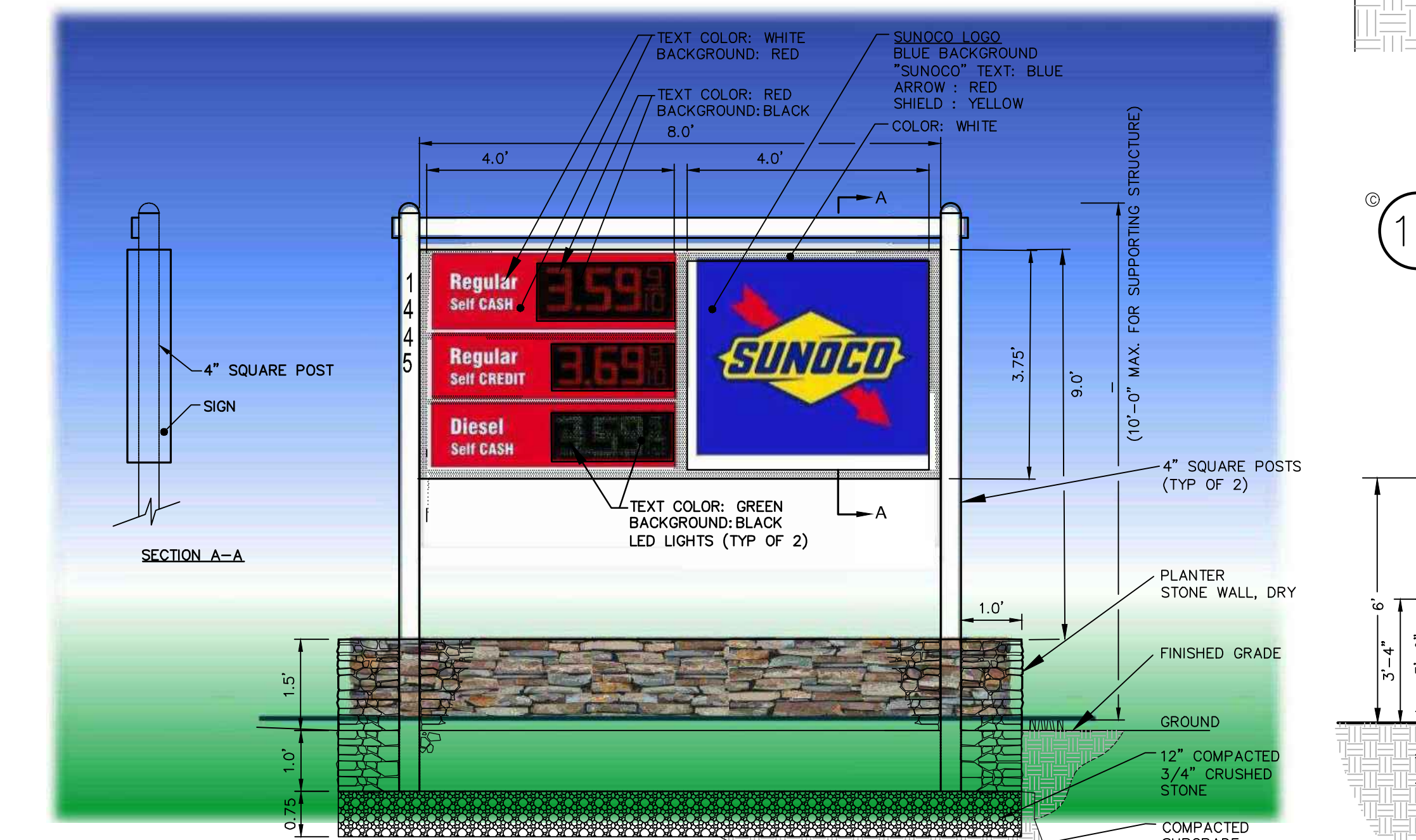
- NOTE:**
1. GROUND COVERS SHOULD BE POT OR CONTAINER GROWN.

9 GROUND COVER/ANNUAL PLUG PLANTING
SCALE: NOT TO SCALE



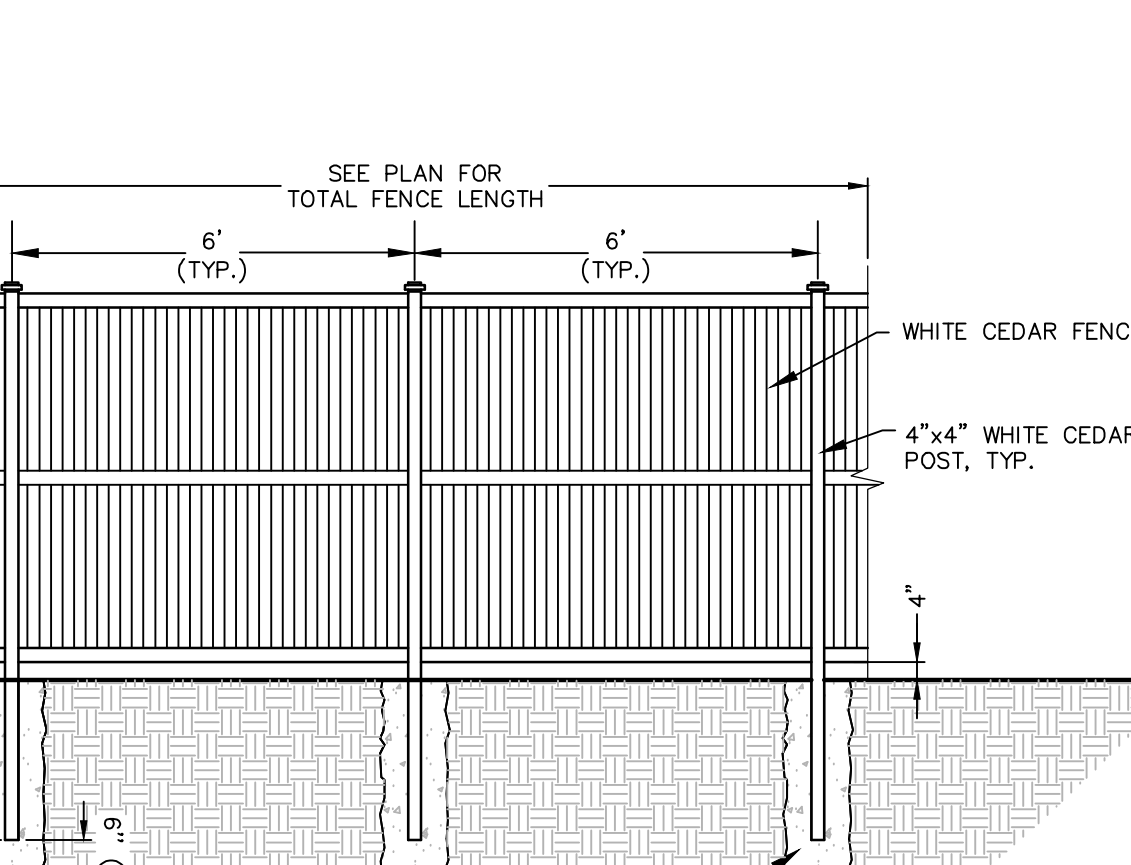
- NOTE:**
1. DETAIL SHALL BE UTILIZED FOR DECIDUOUS AND CONIFEROUS TREE PLANTING ON SLOPE.

10 TREE PLANTING ON SLOPE
SCALE: NOT TO SCALE



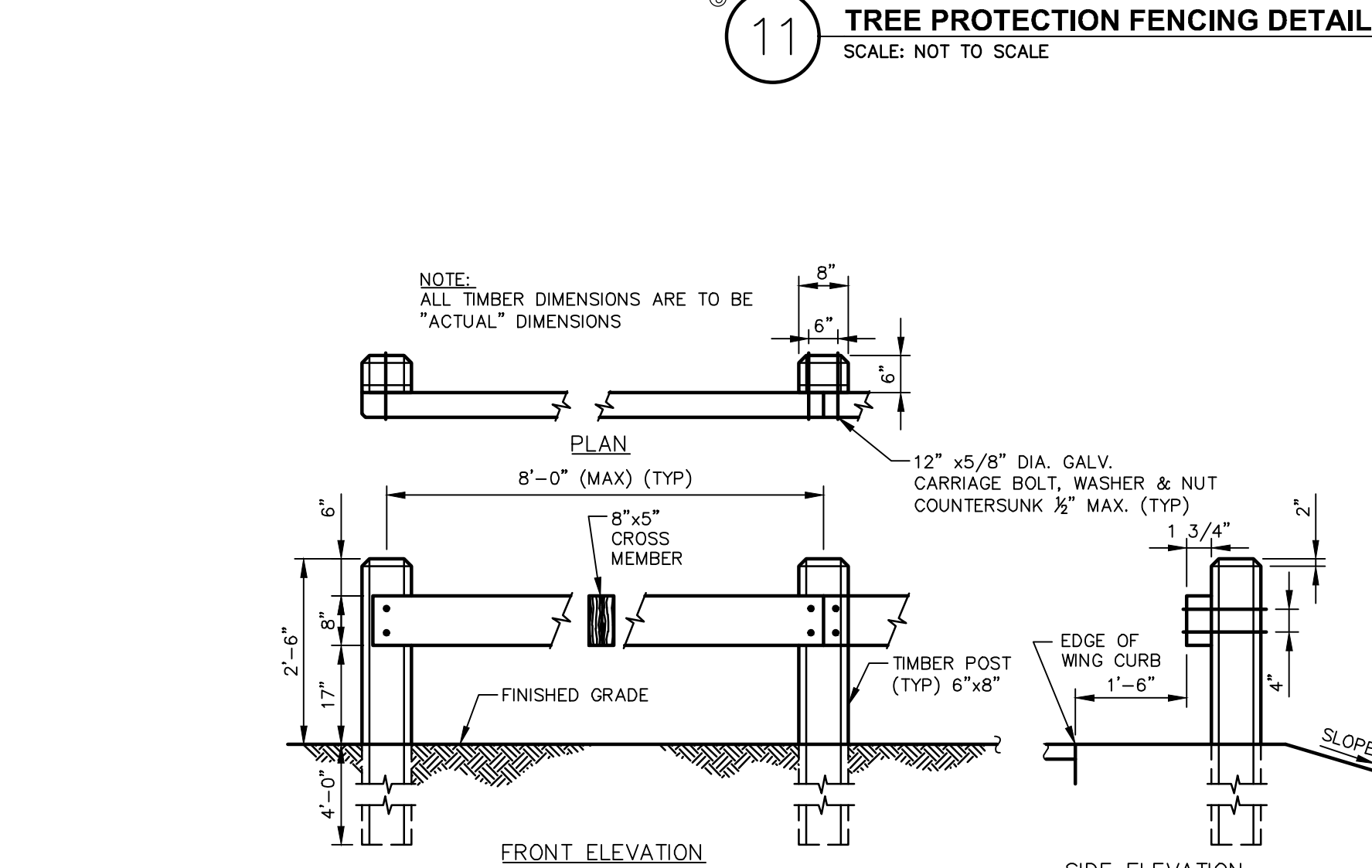
- NOTES:**
1. PORTION OF SIGN TO BE LIGHTED BY INTERIOR LED LIGHTING SHALL BE LIMITED TO THE DIGITAL GASOLINE PRICING & THE SUNOCO LOGO.
 2. GASOLINE PRICE SIGNS SHALL HAVE A STEADY ILLUMINATION OF A CONSTANT COLOR.

12 FREE-STANDING SIGN AND PLANTER DETAIL
SCALE: NOT TO SCALE



- NOTE:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

13 PRIVACY FENCE DETAIL
SCALE: NOT TO SCALE



- NOTE:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

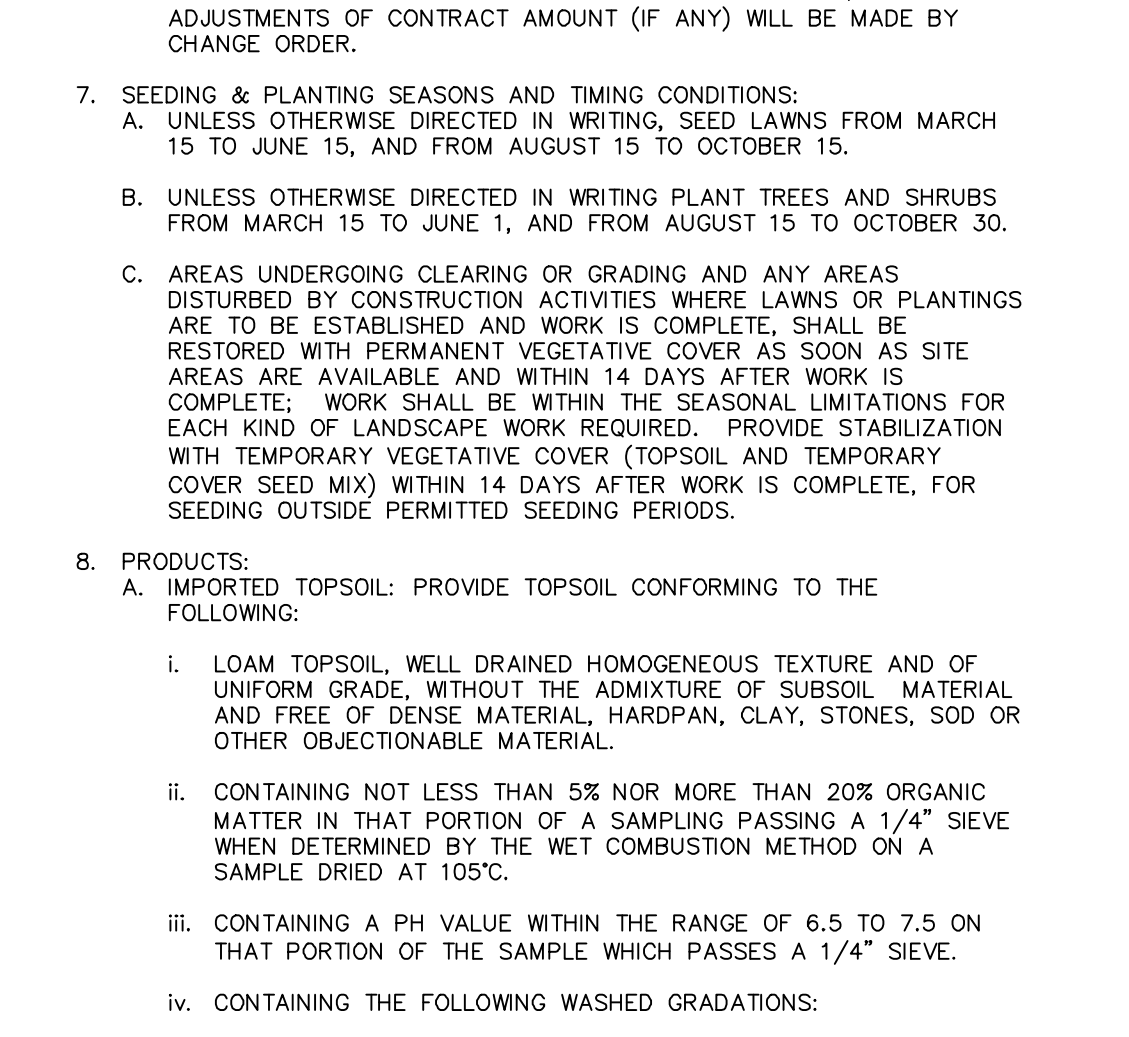
14 TWO POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE

- LANDSCAPING NOTES:**
1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
 2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND UNEXPECTED RELATED WORK AND ADJACENT SURVEYS. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT/ENGINEER AND OWNER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
 3. THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES, WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.
 4. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE.
 5. NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.
 6. QUALITY ASSURANCE:
 - A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
 - B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSEYMEN, INC (AAN), UNLESS OTHERWISE SPECIFIED.
 - C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPLANTED OR ROOT BALLED AND FERTILIZED IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL, HELED IN PLANTS AND PLANTS FROM COOL STORAGE ARE NOT ACCEPTABLE.
 - D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT AVAILABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.
 7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
 - A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.
 - B. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.
 - C. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE LAWNS OR PLANTINGS ARE TO BE ESTABLISHED AND WORK IS COMPLETE, SHALL BE RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. WORK SHALL BE WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. PROTECT STABILIZATION WITH TEMPORARY VEGETATIVE COVER (TOPSOIL AND LIMES) FOR EACH SEED MIX WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
 8. PRODUCTS:
 - A. IMPORTED TOPSOIL: PROVIDE TOPSOIL CONFORMING TO THE FOLLOWING:

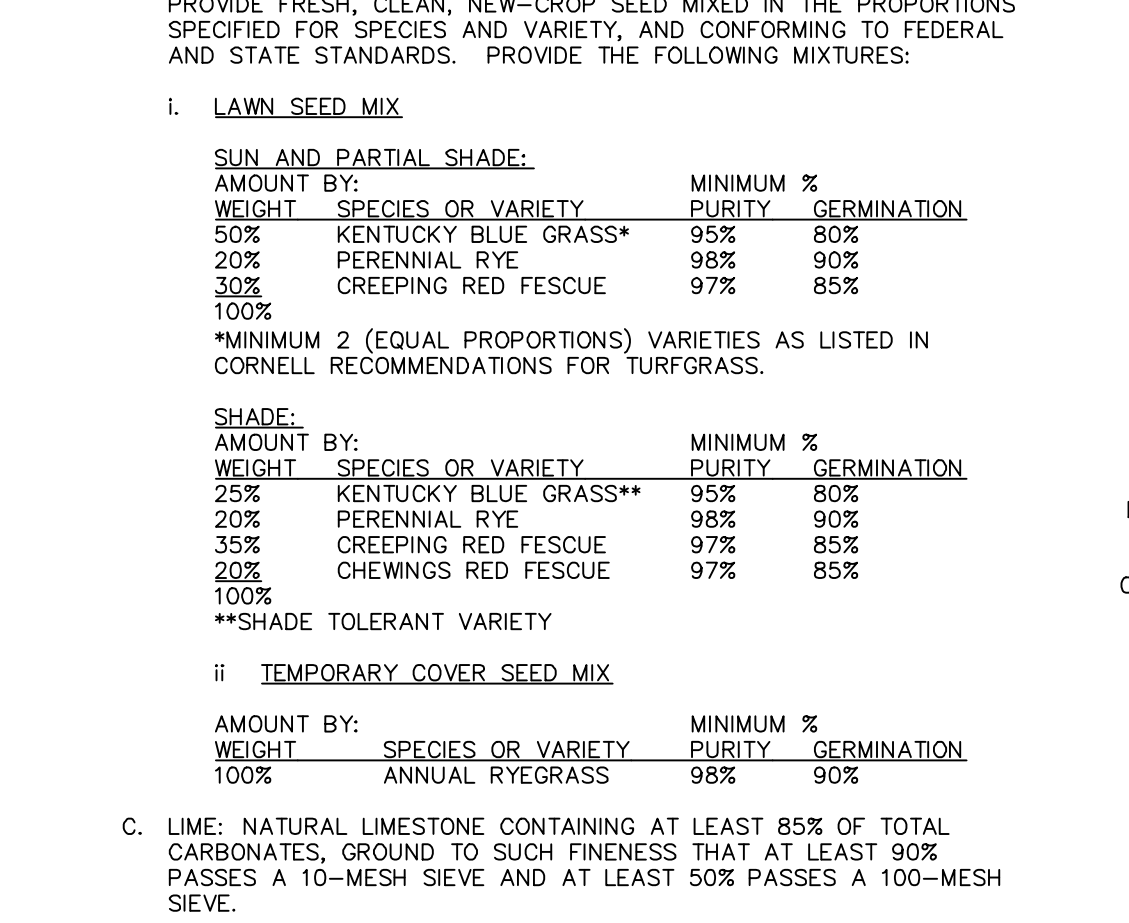
SIEVE DESIGNATION	% PASSING
100	100
1/4"	97-100
NO 200	20-60
 - B. SEED MIXTURE: PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:
 - LAWN SEED MIX

SUN AND PARTIAL SHADE:	MINIMUM %
AMOUNT BY WEIGHT SPECIES OR VARIETY	PURITY GERMINATION
50% KENTUCKY BLUE GRASS**	95% 80%
20% PERENNIAL RYE	98% 90%
10% CREEPING RED FESCUE	97% 85%
100% CHEWINGS RED FESCUE	97% 85%
100% *SHADE TOLERANT VARIETY	
 - TEMPORARY COVER SEED MIX

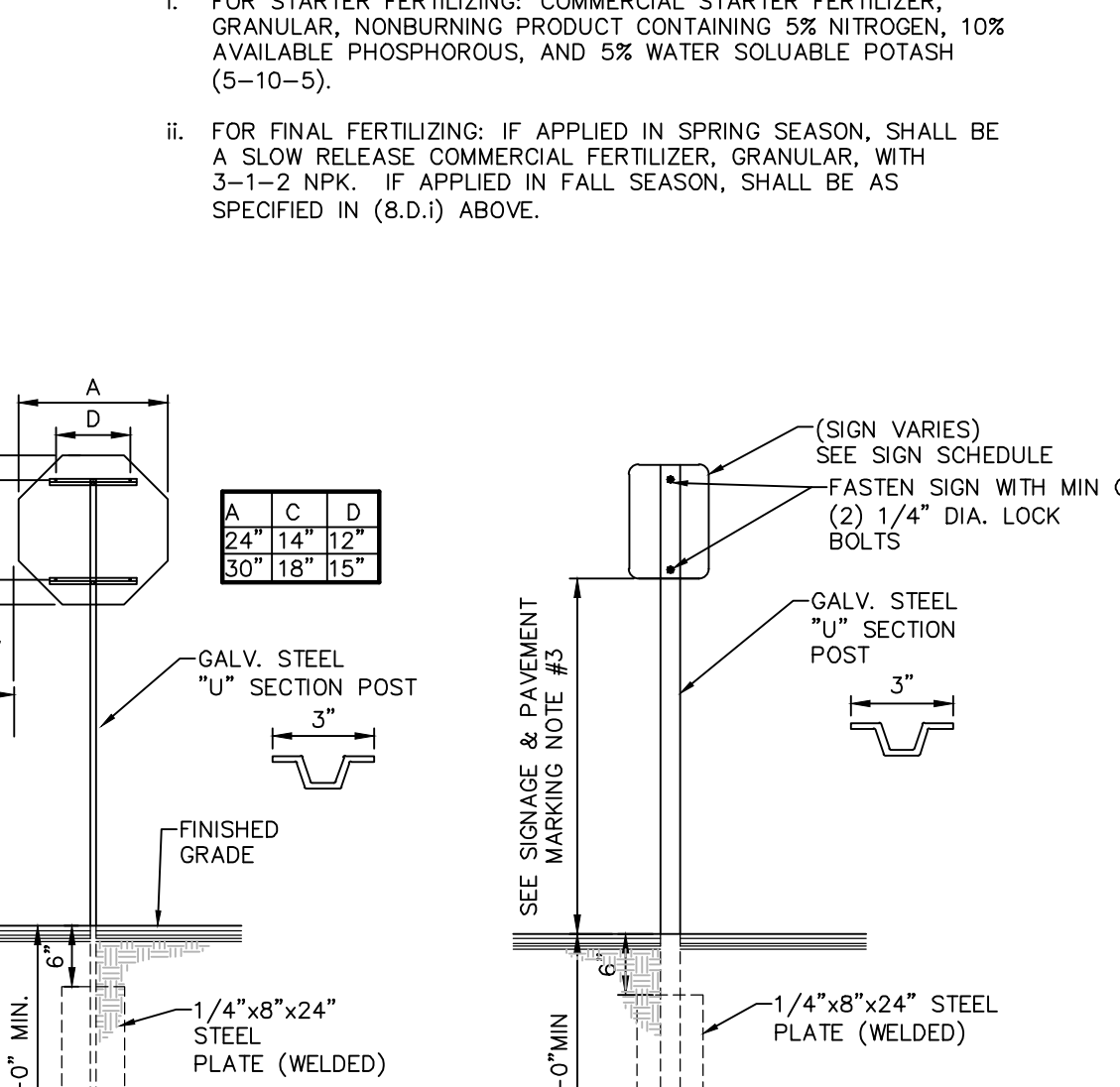
AMOUNT BY WEIGHT SPECIES OR VARIETY	MINIMUM %
25% KENTUCKY BLUE GRASS**	95% 80%
20% PERENNIAL RYE	98% 90%
10% CREEPING RED FESCUE	97% 85%
10% CHEWINGS RED FESCUE	97% 85%
100% *SHADE TOLERANT VARIETY	
 - C. LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.
 - D. FERTILIZER:
 - FOR STARTER FERTILIZING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHOROUS, AND 5% WATER SOLUBLE POTASH (5-10-5).
 - FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH 3-1-2 NPK. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (8.D.1) ABOVE.
 9. EXECUTION: LANDSCAPE WORK SHALL BE UNDERTAKEN AS SOON AS SITE AREAS ARE AVAILABLE.
 - A. TOPSOIL SHALL BE SPREAD NO LESS THAN 4" OVER SUB-GRADE MATERIAL. SOIL AMENDMENTS SHALL BE THOROUGHLY MIXED INTO THE TOP 4" OF TOPSOIL, FOLLOWING THE SPECIFICATIONS STATED BELOW.
 - B. PERFORM FINE GRADING TO FINISHED ELEVATION ONLY IMMEDIATELY PRIOR TO PLANTING. PLANTING AREAS SHALL BE GRADDED TO A SMOOTH, EVEN SURFACE, FREE OF DEPRESSIONS OR RIDGES WITH A UNIFORM LOOSE, FINE TEXTURE.
 - C. FERTILIZING:
 - I. THE SOIL SHALL BE TESTED FOR PH AND LIME ADDED AS NECESSARY. ALL AMENDMENTS SHALL BE CHECKED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE AMENDMENTS ARE MADE.
 - II. APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.
 - D. LAWN:
 - I. LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000 SF.
 - II. TEMPORARY COVER SEED MIX: SEED AT THE RATE OF 3 TO 4 LBS PER 1,000 SF.
 - III. TEMPORARY COVER SEED MIX TO BE APPLIED ONLY FOR LATE FALL OR SUMMER SOIL STABILIZATION OUTSIDE ALLOWED SEEDING PERIODS.
 - E. ALL SEEDING AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:
 - I. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN. TO BE APPLIED ONCE SEEDING IS COMPLETE.
 - II. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY A HYDROSEEDER AT A RATE OF 2,000 LBS/ACRE.
 - III. ALL SEEDING SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.
 - F. ALL NEWLY PLANTED AREAS SHALL BE KEPT MOIST BY WATERING UNTIL GRASSES AND GROUND COVERS ARE WELL ESTABLISHED. THE LANDSCAPE CONTRACTOR MUST WATER PLANT MATERIAL WHEN NECESSARY FOR 60 DAYS AFTER INSTALLATION.
 - G. LAWN ARE TO BE WARRANTED UNTIL THEY BECOME ESTABLISHED. UNTIL FINAL ACCEPTANCE, AND NOT LESS THAN 60 DAYS AFTER COMPLETION OF ALL WORK, TREES, SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE WARRANTED AGAINST DEFECTS INCLUDING POOR GROWTH AND DEATH, EXCEPT WHEN RESULTING FROM OWNER NEGLIGENCE, INCIDENTS THAT ARE BEYOND THE CONTROL OF THE LANDSCAPE INSTALLER AND DAMAGE OR ABUSE BY OTHERS, FOR AT LEAST ONE FULL YEAR AFTER PROJECT COMPLETION.



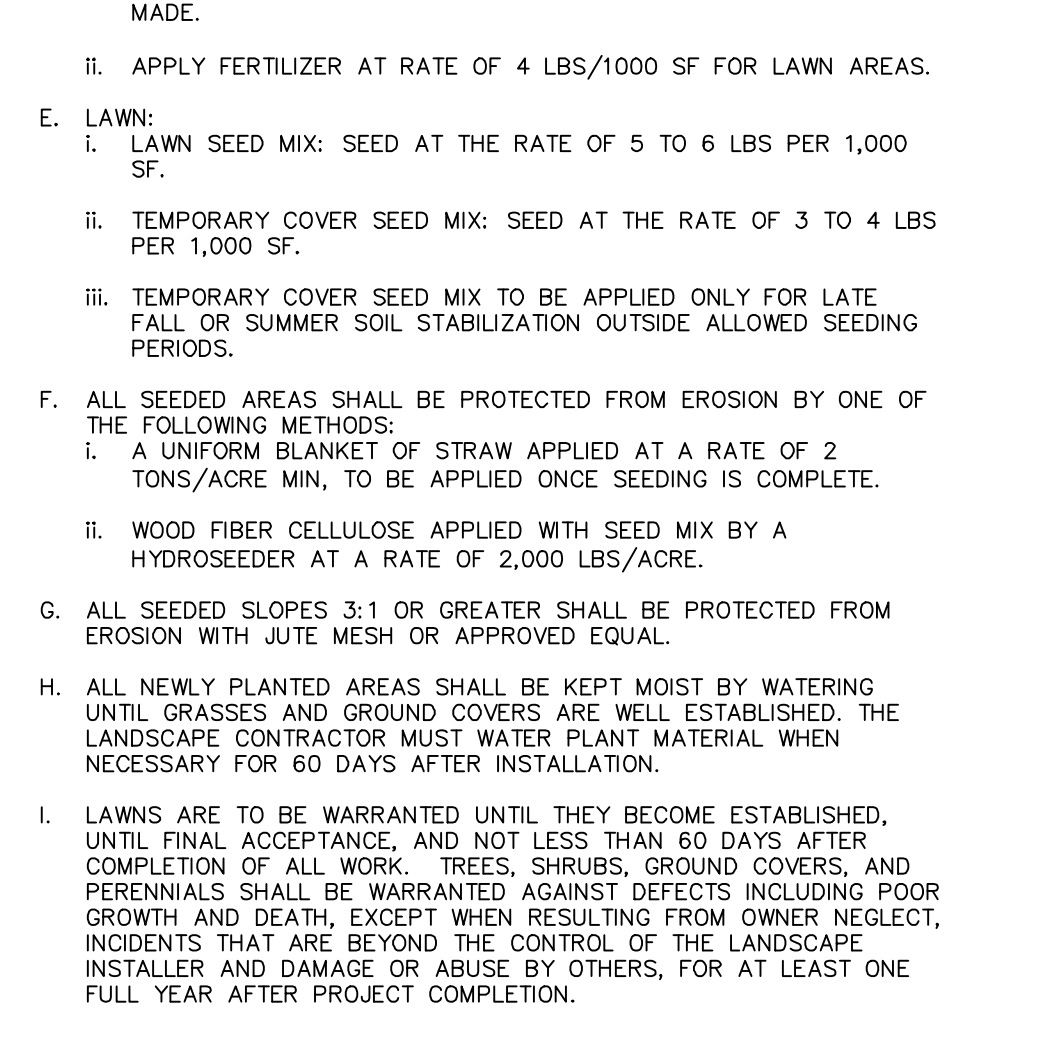
11 TREE PROTECTION FENCING DETAIL
SCALE: NOT TO SCALE



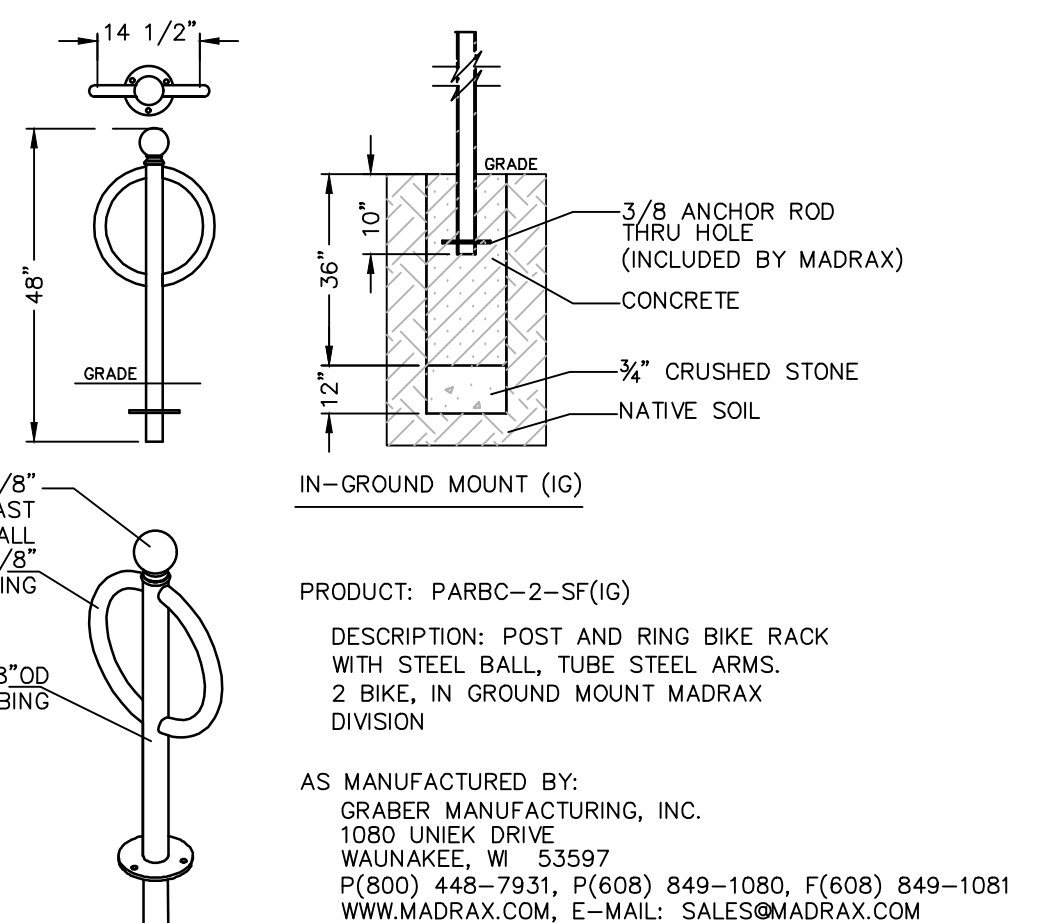
18 BICYCLE RACK DETAIL
SCALE: NOT TO SCALE



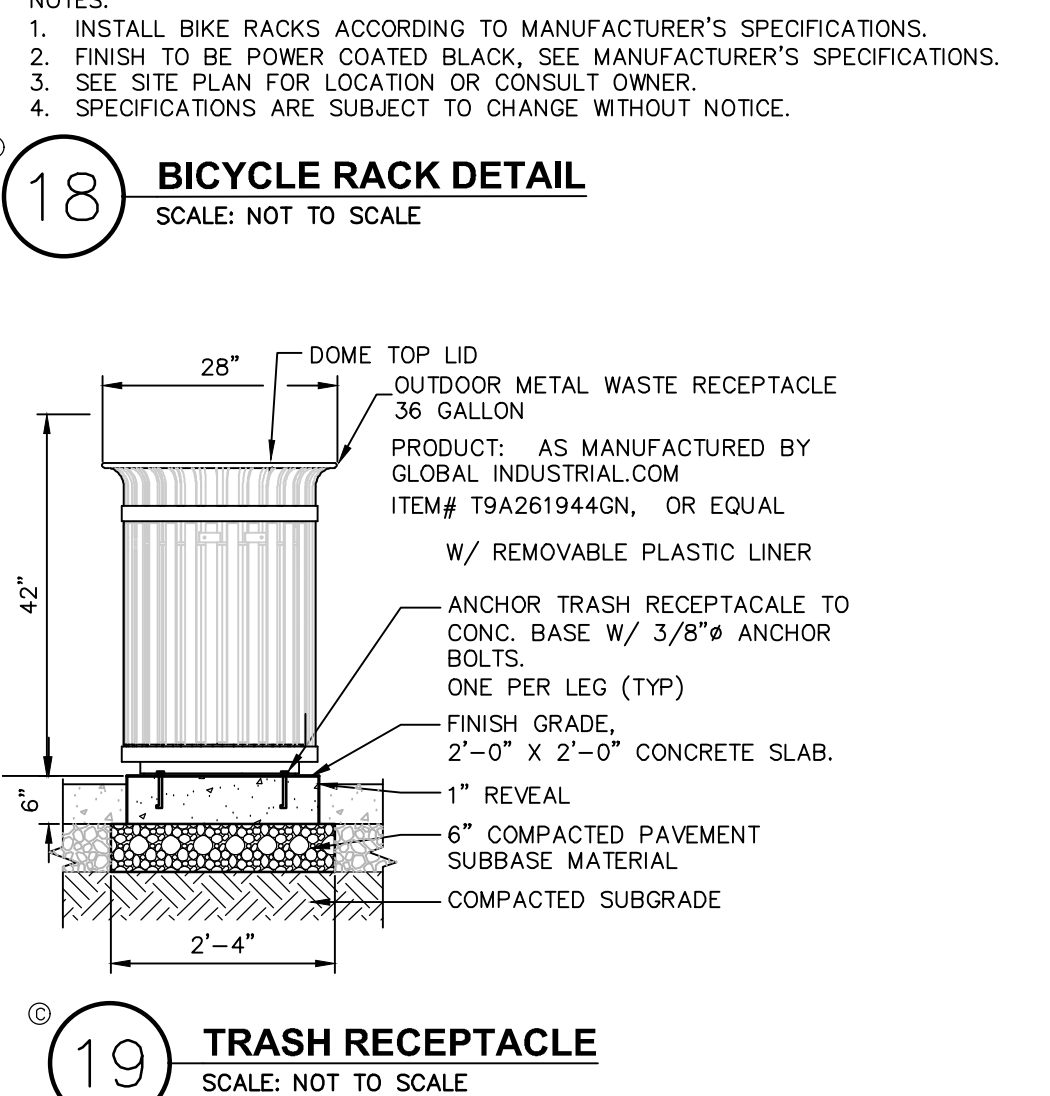
19 TRASH RECEPTACLE
SCALE: NOT TO SCALE



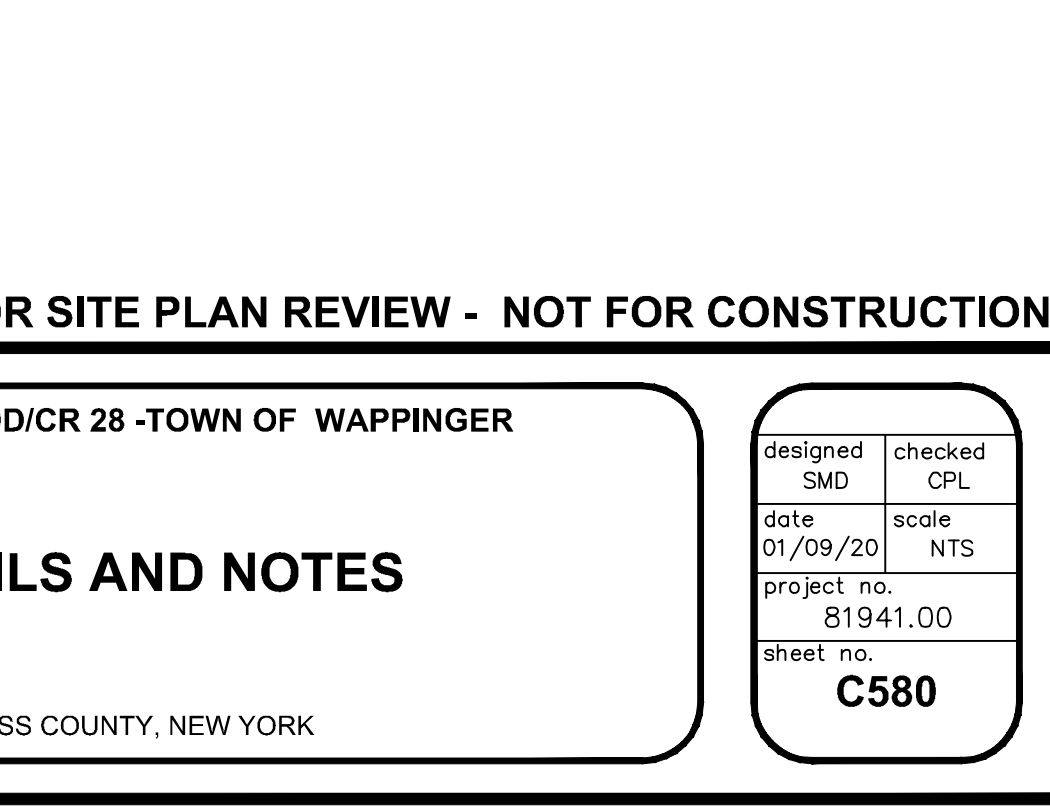
20 TIMBER GUIDERAIL
SCALE: NOT TO SCALE



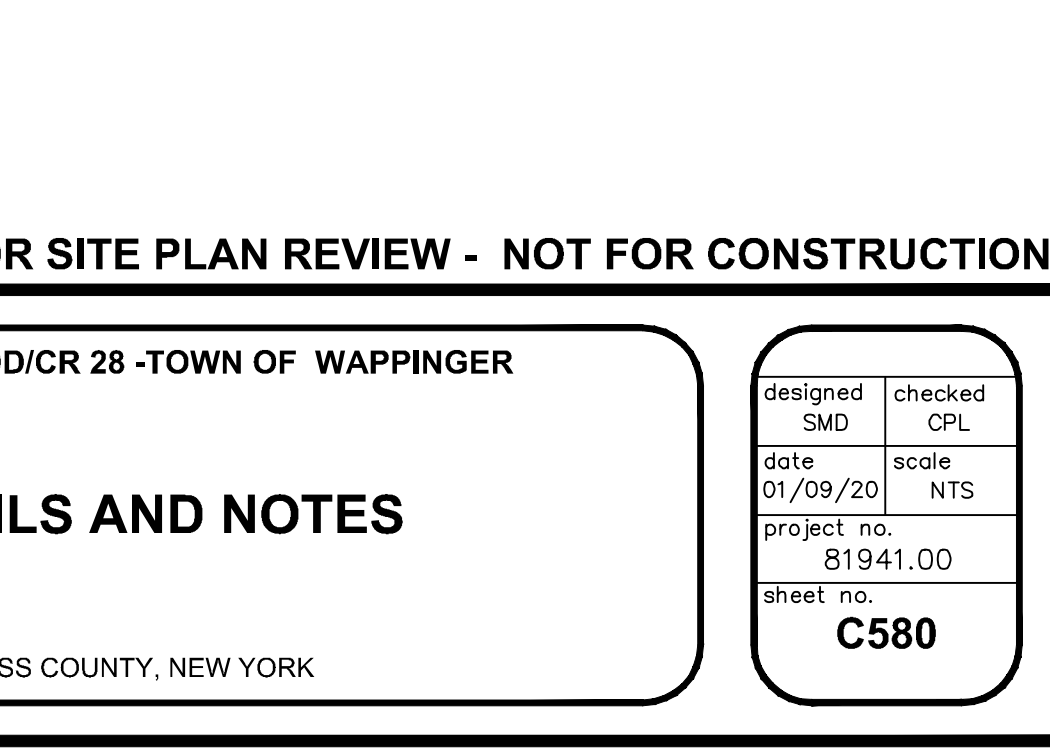
14 TWO POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



15 TWO POST ONE WAY SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



16 SINGLE POST STOP SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



17 SINGLE POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE

ISSUED FOR SITE PLAN REVIEW - NOT FOR CONSTRUCTION

Dig Safely, New York

- Call Before You Dig
- Want the Required Utility Responses?
- Respect the Marks
- 800-962-7962

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THE DRAWING OR DOCUMENT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR OTHERWISE USED FOR ANY PURPOSE, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY MANNER, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL, PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT. IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL APPLY TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION IDENTIFIED BY FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 24, 1995, AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.

Office Locations:

- Hudson Valley Office: 21 Fox Street, Poughkeepsie, New York 12601, Phone: (845) 454-3980
- North Country Office: 20 Elm Street (Suite 110), Queens Falls, New York 12601, Phone: (518) 812-0513
- Digital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
- Washburner NY Office: 1 North Broadway, Suite 803, White Plains, New York 10601, Phone: (914) 997-8510
- Nashville Tennessee Office: 2416 21st Ave S. (Suite 103), Nashville, Tennessee 37212, Phone: (615) 380-1359
- Chattanooga Tennessee Office: 1426 Wilshire Street (Suite 12), Chattanooga, Tennessee 37408, Phone: (423) 241-6575

REV.	DATE	DESCRIPTION
3	02/16/21	GENERAL REVISIONS, REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS
rev.	date	description

GASLAND PETROLEUM, INC.-NYS RTE 9D/CR 28-TOWN OF WAPPINGER

LANDSCAPE DETAILS AND NOTES

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed SMD checked CPL
date 01/09/20 scale NTS
project no. 61941.00
sheet no. C580