

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

EXCAVATION NOTES:

- All pavement to be saw cut to its full depth by the contractor prior to excavation.
- The Contractor shall provide sheeting, shoring, a benched excavation, or a sloped excavation for all excavations 5.0 feet or greater in depth.
- All sheeting and shoring protective systems used for excavation shall be designed and stamped by a NYS licensed Professional Engineer.
- Where construction crosses or is adjacent to existing utility lines (fuel, water gas, telephone, electric or communication), the contractor shall carefully hand excavate so as to locate, mark and protect the utility lines against disturbance or damage by providing adequate support and protection as approved by the Engineer. The contractor shall repair any power or communication interruption immediately, at no additional cost to the owner.
- Trench excavation outside of temporary construction fence is to be backfilled on the same day as excavation. Temporary orange construction fence is required around these work areas for on going work.
- All utility trenching in and adjacent to roadways shall be backfilled prior to the end of the work day, unless otherwise authorized by the Engineer. Item 4 shall be temporarily brought to the surface of the utility trench flush with the adjacent pavement and maintained until the final pavement is installed. Road plates, if used, shall be designed to meet H25 loading requirements.

REMOVAL NOTES

- The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.
- These drawings are intended to show an overall Limit of Disturbance and general features to be removed. Not all features incidental to the general scope of the site work have been shown to be removed. The contractor shall be responsible for all removals within the limits of both above and below grade features, necessary for the construction of the site improvements shown hereon.
- All building materials shall be demolished and removed from the site.
- Remove existing electrical wiring and conduit back to the source panel.

LEGEND	
	EXISTING PROPERTY LINE
	EXISTING STONE RETAINING WALL
	EXISTING POST & RAIL FENCE
	EXISTING CONCRETE CURB
	EXISTING UTILITY POLE w/ guy & overhead wires
	EXISTING UNDERGROUND DRAINAGE PIPE
	EXISTING UNDERGROUND SEWER SERVICE
	EXISTING UNDERGROUND WATER MAIN
	EXISTING UNDERGROUND WATER SERVICE
	EXISTING CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING POST MOUNTED LIGHT
	EXISTING WATER VALVE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR

CONSTRUCTION NOTES:

- The contractor is advised that additional notes will be found on subsequent drawings and such notes, while pertaining to the specific drawings they are placed in, also supplement the construction notes listed hereon.
- All work and materials shall be in accordance with these plans and project specifications.
- The contractor shall notify the Engineer 72 hours prior to start of work.
- The subject project has coverage under the New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity, permit No. GP-0-20-001. As required by the permit all contractors and subcontractors will be required to sign a certification statement that they understand and agree to comply with the requirements of GP-0-20-001.
- The contractor shall have a representative onsite that is a NYSDEC Trained Contractor at all times site work is being performed under this contract. The contractor shall provide a contractor's certification as contained in the NYSDEC Construction Site Logbook to the project engineer upon start of construction.
- The contractor shall coordinate the layout of the work with the owner, and the project engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work.
- The contractor shall coordinate their construction operations with the project engineer and any other contractors/subcontractors and construction activities occurring simultaneously on the property.
- The contractor shall be responsible for providing all power, water, and other resources necessary to complete the project work.
- Minimum OSHA site standards must be maintained including personal protective equipment and vests. The contractor shall be responsible for guarding and protecting all open excavations in accordance with the latest edition and current OSHA requirements.
- The contractor shall field verify all dimensions relative to the scope of work.
- The contractor shall stake out the limits of clearing and it shall be reviewed with the project engineer prior to the start of clearing operations. Existing trees to remain outside the limits of clearing shall be protected per the detail.
- It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811 or 1-800-362-7962 and any other required utility locators prior to the start of construction.
- The exact location, size, and type of the existing utilities may differ from what is shown hereon. The contractor shall field verify the location, size and type of the existing utilities by performing a test pit ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required. Horizontal location and elevation of the existing utility as determined by test pit shall be provided to the project engineer.
- The contractor shall field verify the existing grades / utility locations prior to commencement of any work. Any discrepancy shall be reported to the project engineer when identified.
- The contractor shall perform all work with care so that any materials which are to remain in place, or which are to remain on the property, shall not be damaged. The contractor will be held responsible for all damage caused to existing utilities / features / facilities / vegetation during execution of the work not proposed to be modified or removed by these plans. All damage to any existing utilities / features / facilities / vegetation not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
- Original condition shall mean the condition in which the feature was found (or better) at the start of construction.
- The contractor shall be responsible for the implementation and maintenance of erosion and sediment controls (shown or not) as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, berms and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer. All disturbed areas shall be stabilized in accordance with the Erosion & Sediment Control Notes and details.
- Silt fence shall be installed parallel to the contours.
- Contractor is responsible for protecting soil stockpiles, trenches, and building excavations against weather. No additional fee will be paid to the contractor for removal and replacement of suitable soils due to degradation from weather related events.
- During execution of the work, the contractor shall be responsible for dewatering and control of surface water in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. The New York State Standards and Specifications for Erosion and Sediment Control can be found at <http://www.dec.ny.gov/chemical/29066.html>.
- All existing pavement shall be cleaned and swept prior to the completion of construction.
- The contractor shall provide temporary construction fence for all work areas including the material storage/staging areas.
- All personal vehicles, materials, and construction equipment must be kept within the construction staging area. Use of additional onsite storage areas must be pre-authorized by the owner of the property.
- Topsoil and subsoil shall be stripped, screened, and stockpiled in locations shown for future use. The contractor must keep enough topsoil onsite for final restoration. Four inches of screened topsoil shall be placed and raked to finish grade over all disturbed areas not covered by pavement, concrete and/or gravel surfaces, unless otherwise noted.
- The contractor shall maintain existing grades unless otherwise noted.
- Contractor shall be responsible for removal of all excess rock, topsoil, subsoil, and construction debris from the site.
- There shall be no burning of construction and demolition (C&D) debris or stumps on site. All C&D debris and stumps must be removed by the contractor, and disposed of in accordance with all pertinent regulations.
- All proposed concrete drainage structures shall be precast concrete and all structures, frames, and grates are to meet H-20 loading requirements.
- Design Engineer to approve locations and elevations of all structures prior to placement.
- Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be replaced.
- The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. MP&T shall include but not be limited to placement of traffic cones and warning signs around work zone. Safe and adequate pedestrian vehicular traffic flow shall be maintained at all times to the existing buildings, while the work is in progress.

DRAINAGE NOTE:

- Existing drain inlets noted with "*" obtained from previous design drawings by Insite Engineering, Surveying & Landscape Architecture, P.C. Contractor to verify elevations prior to start of construction.



LOCATION MAP

SCALE: 1" = 500'

OWNER/APPLICANT:

KJ-Rant Realty LLC
100 Business Park Drive
Armonk, NY 10504

SITE DATA:

Zone: B1, Business 1
Total Acreage: 4.2± AC
Tax Map No.: 7056-05-101917

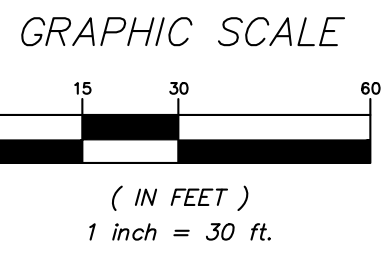
GENERAL NOTES:

- Property line and existing features shown hereon are based on Survey of Property, prepared for KJ-Rant Realty LLC, prepared by Insite Engineering, Surveying, and Landscape Architecture, P.C., dated April 5, 2018.
- Topography shown hereon is based upon actual fieldwork performed by Insite Engineering, Surveying & Landscape Architecture, P.C. and completed December 12, 2005. Elevations shown conform to the National Geodetic Survey Standard Vertical Datum of 1929 (N.G.S.S.V.D. 1929). The contour interval is 2'. Supplemental topographic information on the north side of the side past the limits of existing pavement shown hereon taken from Dutchess County GIS Data.
- Existing poles and overhead wires on southern and western portions of the site to be removed and replaced with underground utilities. All electric, telephone, cable and other utilities to be installed underground. The installation of the underground utilities to be coordinated with the appropriate utility companies.
- It shall be the contractors responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811, and any other required utility locators prior to the start of construction.
- All onsite rock removal to be done by a licensed and insured contractor. No rock processing shall be permitted onsite.
- The Contractor shall contact the Village Street Foreman prior to the start of any construction within the East Main Street right-of-way.

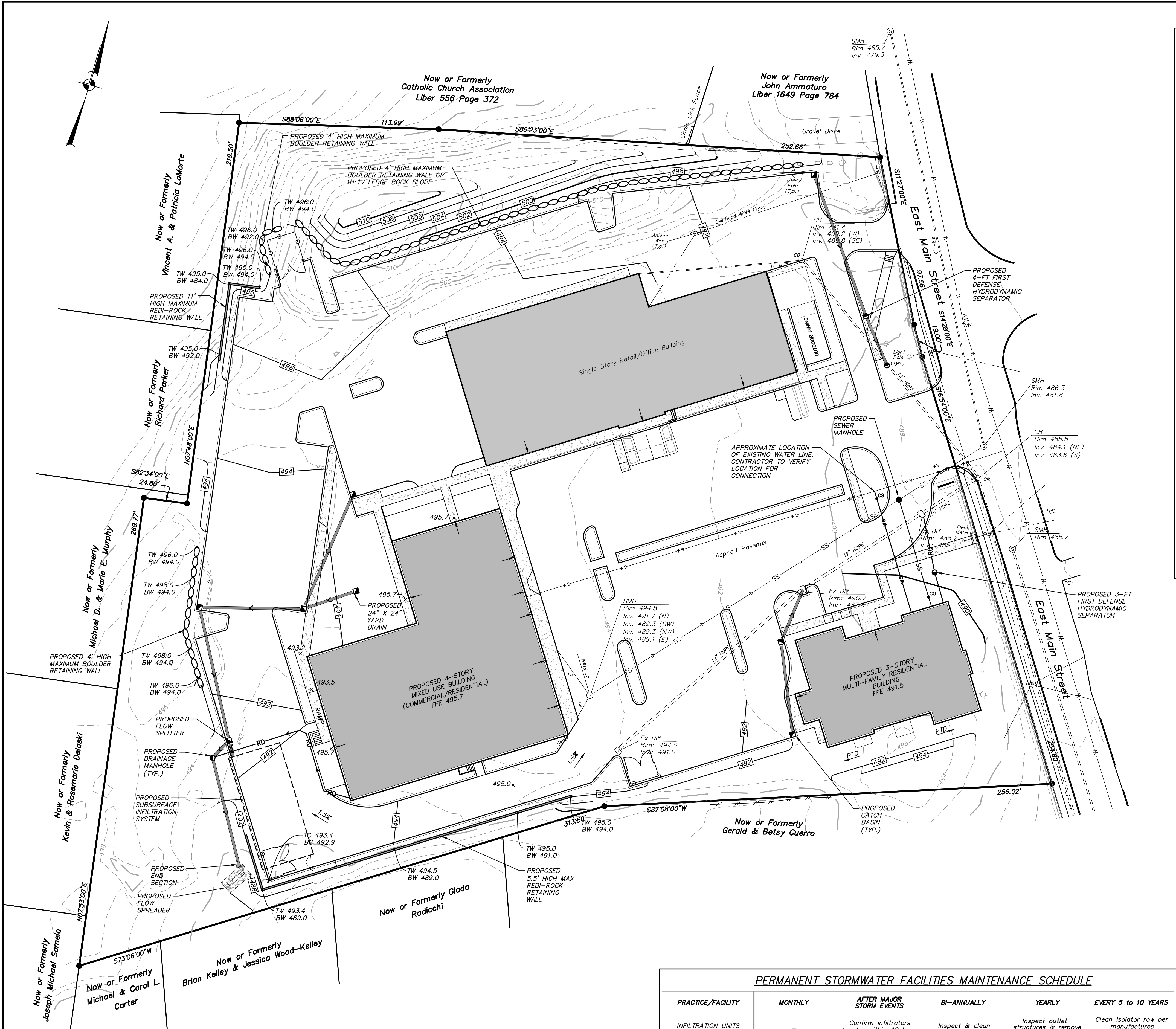
UTILITY NOTES:

- The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. The contractor shall carry out their operations in such a manner as to prevent interference with lines which are to remain. Any pipe or conduit disturbed in the course of contract shall be repaired by the contractor at no extra cost to the owner.
- Existing utility locations, sizes and elevations to be verified by contractor prior to the start of construction and any discrepancies reported to the project engineer immediately.
- Whenever a connection to an existing pipe or structure is shown, the contractor shall confirm existing pipe materials of construction, dimensions, and connection requirement prior to submitting materials for approval.
- Where interference with other utilities or construction are encountered during construction of new utility lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project engineer.
- It shall be the contractor's responsibility to locate all overhead wires and utility poles, if any, in the vicinity of the proposed work. Furthermore, it is the contractor's responsibility to make the necessary arrangements to perform the work in the vicinity of these overhead wires.
- The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at their expense, any power or communication interruption immediately.
- Should any utility poles require bracing or relocating to accomplish the proposed work, it shall be the contractor's responsibility to make the appropriate arrangements to properly secure or relocate such utility poles. The contractor will not receive any additional payment for utility pole bracing or relocating. The contractor must include any costs for such work within their bid submittal.

NO.	DATE	REVISION	BY
 ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.			
PROJECT: PAWLING COMMONS ALTERNATE SITE PLAN EXPANSION 63-71 EAST MAIN STREET, VILLAGE OF PAWLING, DUTCHESS CO., NY			
DRAWING: EXISTING CONDITIONS & REMOVALS PLAN			
PROJECT NUMBER	18135.100	PROJECT MANAGER	J.M.W.
DATE	10-31-23	DRAWN BY	I.B.
SCALE	1" = 30'	CHECKED BY	E.J.P.
DRAWING NO.	SHEET		
EX-1			1/5



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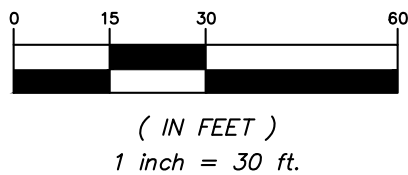
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PERMANENT STORMWATER FACILITIES MAINTENANCE SCHEDULE					
PRACTICE/FACILITY	MONTHLY	AFTER MAJOR STORM EVENTS	BI-ANNUALLY	YEARLY	EVERY 5 to 10 YEARS
INFILTRATION UNITS	-	Confirm infiltrators dewater within 40 hours	Inspect & clean	Inspect outlet structures & remove accumulated sediment.	Clean isolator row per manufactures recommendations
SUBSURFACE STORMWATER COLLECTION SYSTEMS	-	-	Inspect & clean	Inspect, clean, repair and/or replace structures. Remove debris.	-
HYDRODYNAMIC SEPARATOR	Refer to manufacturer's Operation and Maintenance Manual contained in the project SWPPP.				

Note: The party responsible for implementation of the maintenance schedule during and after construction is:

KJ-Rent Realty LLC
100 Business Park Drive
Armonk, NY 10504

GRAPHIC SCALE

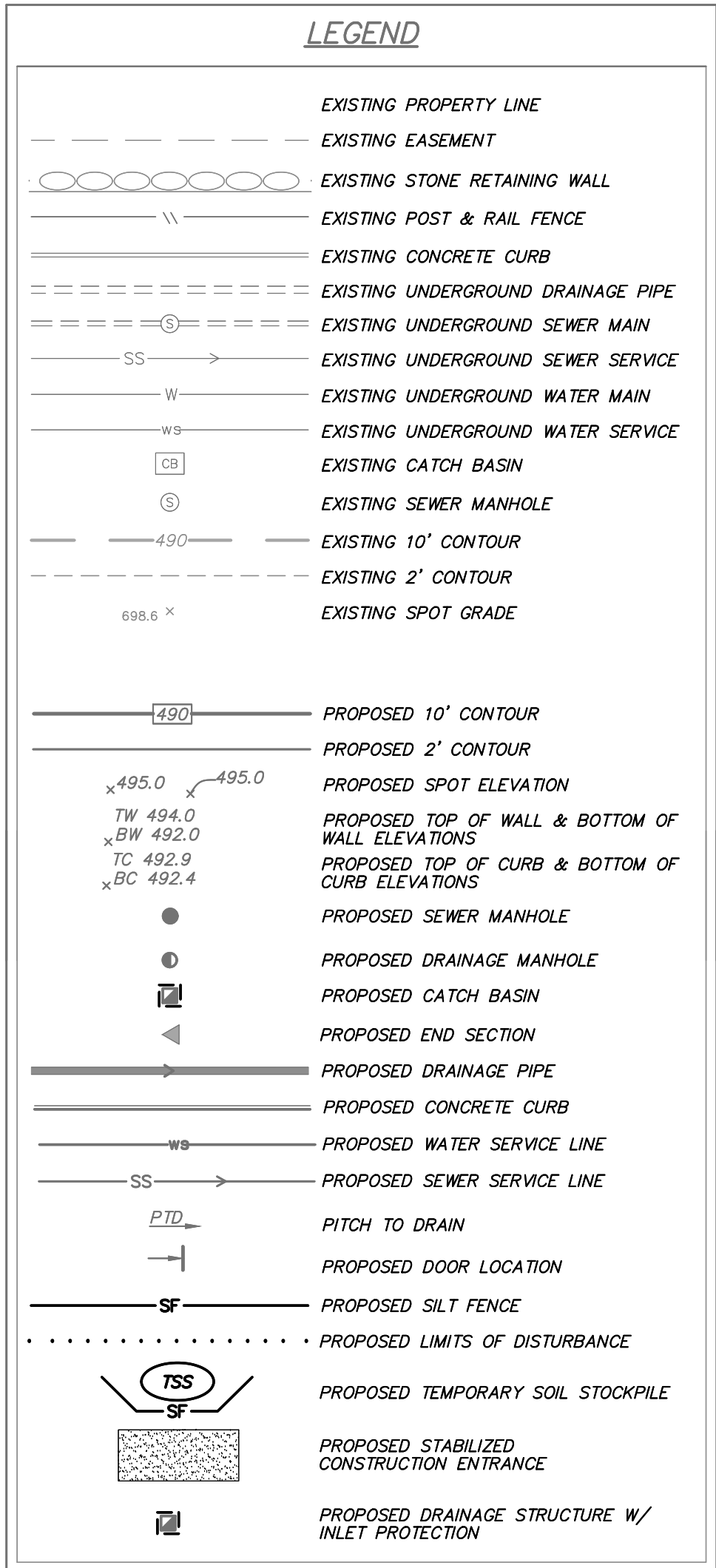
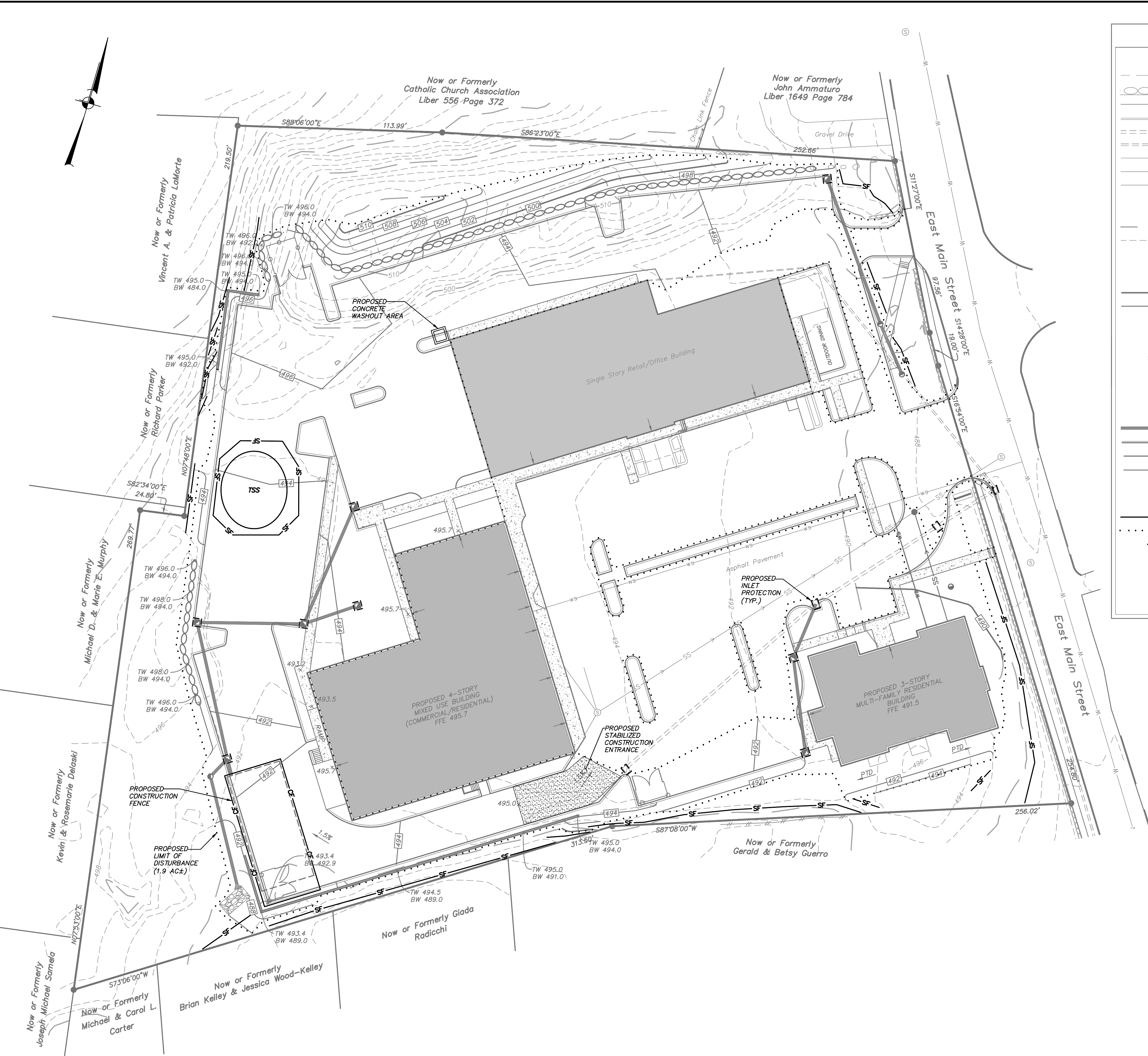


LEGEND	
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING STONE RETAINING WALL
	EXISTING POST & RAIL FENCE
	EXISTING CONCRETE CURB
	EXISTING UTILITY POLE w/ guy & overhead wires
	EXISTING UNDERGROUND DRAINAGE PIPE
	EXISTING UNDERGROUND SEWER MAIN
	EXISTING UNDERGROUND SEWER SERVICE
	EXISTING UNDERGROUND WATER MAIN
	EXISTING UNDERGROUND WATER SERVICE
	EXISTING CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING POST MOUNTED LIGHT
	EXISTING WATER VALVE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	EXISTING SPOT GRADE
	PROPOSED 10' CONTOUR
	PROPOSED 2' CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED TOP OF WALL & BOTTOM OF WALL ELEVATIONS
	PROPOSED TOP OF CURB & BOTTOM OF CURB ELEVATIONS
	PROPOSED SEWER MANHOLE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED END SECTION
	PROPOSED DRAINAGE PIPE
	PROPOSED CONCRETE CURB
	PROPOSED WATER SERVICE LINE
	PROPOSED SEWER SERVICE LINE
	PROPOSED CURB STOP
	PROPOSED CLEAN OUT
	PITCH TO DRAIN
	PROPOSED DOOR LOCATION

NO.	DATE	REVISION	BY
<div>3 Garrett Place Carmel, NY 10512 (845) 225-9690 (845) 225-9717 fax www.insite-eng.com</div>			
PROJECT: PAWLING COMMONS ALTERNATE SITE PLAN EXPANSION 63-71 EAST MAIN STREET, VILLAGE OF PAWLING, DUTCHESS CO., NY			
DRAWING: SITE PLAN			
PROJECT NUMBER	18135.100	PROJECT MANAGER	J.M.W.
DATE	10-31-23	DRAWN BY	I.B.
SCALE	1" = 30'	CHECKED BY	E.J.P.
DRAWING NO.			
SHEET	2		
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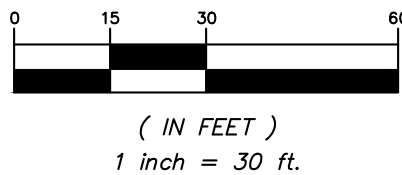
EROSION & SEDIMENT CONTROL NOTES:


- The Erosion and Sediment Control Plan is only to be referred to for the installation of erosion and sediment control measures. For all other construction related activities, including, but not limited to, grading and utilities, refer to the appropriate drawings.
- Each contractor or subcontractor responsible for soil disturbance shall have a NYSDEC trained contractor onsite during soil disturbing activities. The NYSDEC trained contractor will be responsible to comply with the stormwater pollution prevention plan and for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction. The NYSDEC trained contractor shall sign a certification statement required by GP-0-20-001.
- All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
- Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
- When land is exposed during development, the exposure shall be kept to the shortest practical period of time, but in no case more than 7 days after the construction activity in that portion of the site has ceased. Disturbance shall be minimized in the areas required to perform construction.
- All construction vehicles shall be kept clear of the watercourses and wetland control areas outside the areas of proposed development. Silt fence and orange construction fence shall be installed in the areas where the grading is in close proximity of the watercourses or wetland control areas.
- The stabilized construction entrances, silt fence, and orange construction fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
- All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. 'Aristoak' Winter Rye (cereal rye) shall be used for temporary seeding in late fall and winter.
- Any graded areas not subject to further disturbance or construction traffic shall, within 7 days of final grading, receive permanent vegetation cover in combination with a suitable mulch. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched between March 21 and May 20 or between August 15 and October 15 or as directed by project representative, with specified seed mixes as shown in the General Site Seeding Notes.
 - Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specification For Erosion and Sediment Control," latest edition.
- Grass seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.
- Cut or fill slopes steeper than 2:1 shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.
- Paved roadways shall be kept clean at all times.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
- Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
- Erosion and sediment control measures shall be inspected and maintained on a daily basis by the NYSDEC Trained Contractor, to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor and inspected for approval by the site engineer.
- Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the trained contractor or site engineer.
- Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
- All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
- The NYSDEC Trained Contractor shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
- As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the Town Engineer shall be installed by the contractor.
- Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.
- After completion of the site improvements, the owner will assume responsibility for maintenance of the roads, parking lots, drainage systems and stormwater facilities. Each spring the paved areas shall be cleaned to remove the winter accumulation of fraction sand. After this is completed all drain inlet and catch basin sumps should be cleaned. All pipes should be checked for debris and blockage and cleaned as required. During the cleaning process, the drain inlets, catch basins and pipes should be inspected for structural integrity and overall condition. Repairs and/or replacements should be made as required.
- Inspection of the stormwater practices should be performed every 6 months and after large storm events. These inspections should, at a minimum, check the outlet pipes for blockage and the general overall integrity of the basin and appurtenances.
- Refer to the Stormwater Pollution Prevention Plan for additional details regarding long-term maintenance of the storm drainage facilities.
- Cover all soil stockpiles on asphalt areas with tarps in lieu of silt fence.

CONSTRUCTION SEQUENCE:

- Install stabilized construction entrance/anti-tracking pad at driveway entrance.
- Install silt fence in general locations indicated on the plan and cordon off infiltration area with construction fence.
- Begin removal of existing asphalt pavement in area of proposed multi-family building.
- Begin excavation and construction of multi-family building.
- Install roof drains, hydrodynamic separator and water/sewer service connections for multi-family building.
- Begin demolition of existing building.
- Begin clearing and grubbing operations associated with parking lot expansion.
- Strip and stockpile topsoil on site for later use in lawn and landscape areas.
- Begin construction of proposed mixed use building.
- Install drainage on north and west side of site including subsurface infiltration system and hydrodynamic separator. Infiltration system shall remain offline until all contributing areas are stabilized.
- Begin construction of parking lot expansion on north and west side of site.
- Upon completion of grading operations, install finished driveway surfaces.
- Topsoil, seed, and mulch all disturbed areas as soon as practical in accordance with the Erosion and Sediment Control Notes contained on this sheet.
- Upon final stabilization, remove all temporary erosion and sediment control facilities.

GRAPHIC SCALE



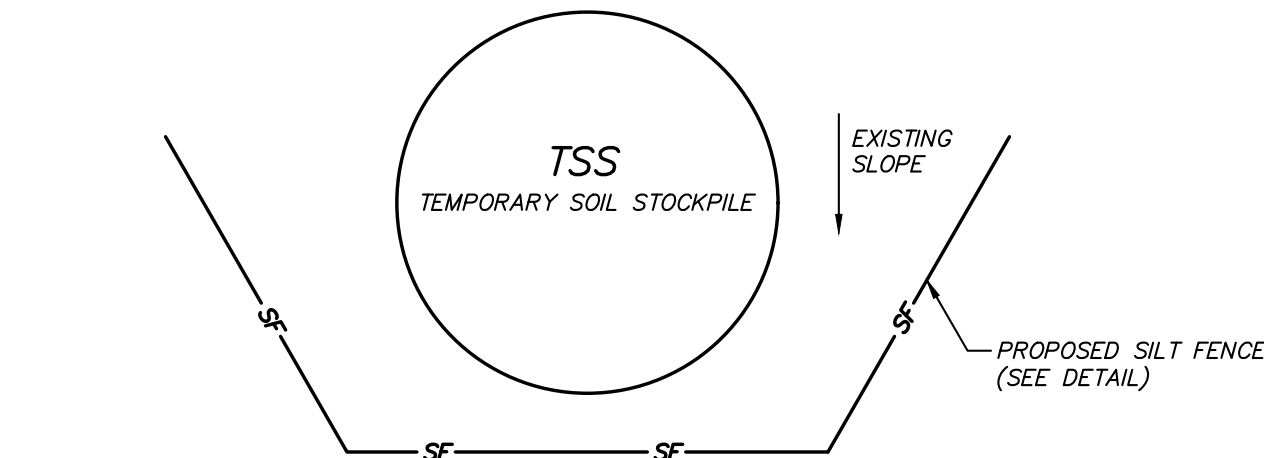
NO.	DATE	REVISION	BY
			
PROJECT: PAWLING COMMONS ALTERNATE SITE PLAN EXPANSION 63-71 EAST MAIN STREET, VILLAGE OF PAWLING, DUTCHESS CO., NY			
DRAWING: EROSION AND SEDIMENT CONTROL PLAN			
PROJECT NUMBER	18135.100	PROJECT MANAGER	J.M.W.
DATE	10-31-23	DRAWN BY	I.B.
SCALE	1" = 30'	CHECKED BY	E.J.P.
DRAWING NO.	SP-2		
SHEET	3	5	

3 Garrett Place
Carmel, NY 10512
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(845) 225-9717 fax
www.insite-eng.com



REQUIRED SWPPP CONTENTS PER GP-0-20-001:

1. Pursuant to the NYSDDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all Stormwater Pollution Prevention Plan's (SWPPP) shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, "New York Standards and Specifications for Erosion and Sediment Control,". Where erosion and sediment control practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part III.B.1a-1 of General Permit GP-0-20-001:
- a. Background Information: The subject project consists of the expansion of an existing parking lot, a new multi-family building, and the redevelopment of an existing building.
- b. Site map / construction drawing: These plans serve to satisfy this SWPPP requirement.
- c. Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Galway-Farmington Urban land complex, undulating, rocky (GIB), as identified on the Soil Conservation Service Web Soil Survey. These soil types belong to the Hydrologic Soil Group "C."
- d. Construction phasing plan / sequence of operations: The Construction Sequence and phasing found on these plans provide the required phasing. A Construction Sequence and Erosion and Sediment Control Maintenance Schedule has been provided. The Erosion and Sediment Control Notes contained hereon outline a general sequence of operations for the proposed project. In general all erosion and sediment control facilities shall be installed prior to commencement with land disturbing activities, and areas of disturbance shall be limited to the shortest period of time as practicable.
- e. Description of erosion and sediment control practices: This plan, and details / notes shown hereon serve to satisfy this SWPPP requirement.
- f. Temporary and permanent soil stabilization plan: The Sedimentation and Erosion Control Notes and Details provided hereon identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.
- g. Site map / construction drawing: This plan serves to satisfy this SWPPP requirement.
- h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The details, Erosion and Sediment Control Notes, and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP requirement.
- i. An inspection schedule: Inspections are to be performed twice weekly and by a qualified professional as required by the General Permit GP-0-20-001. In addition the NYSDDEC Trained Contractor shall perform additional inspections as cited in the Sedimentation and Erosion Control Notes.
- j. A description of pollution prevention measures that will be used to control litter, construction chemicals and construction debris: In general, all construction litter / debris shall be collected and removed from the site. The general contractor shall supply either waste barrels or dumpster for proper waste disposal. Any construction chemicals utilized during construction shall either be removed from site daily by the contractor or stored in a structurally sound and weatherproof building. No hazardous waste shall be disposed of onsite, and shall ultimately be disposed of in accordance with all federal, state and local regulations. Material Safety Data Sheets (MSDS), material inventory, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals utilized onsite. Finally, temporary sanitary facilities (portable toilets) shall be provided onsite during the entire length of construction, and inspected weekly for evidence of leaking holding tanks.
- k. A description and location of any stormwater discharges associated with industrial activity other than construction at the site: There are no known industrial stormwater discharges present or proposed at the site.
- l. Identification of any elements of the design that are not in conformance with the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." All proposed elements of this SWPPP have been designed in accordance with the "New York Standards and Specifications for Erosion and Sediment Control."
2. Pursuant to the NYSDDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all construction projects needing post-construction stormwater management practices shall prepare a SWPPP that also includes practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual ("Design Manual"). Where post-construction stormwater management practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of SWPPP components is provided in accordance with Part III.B.2a-f and III.B.3.
- a. Identification of all post-construction stormwater management practices to be constructed as part of the project: This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
- b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice: This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
- c. A Stormwater Modeling and Analysis Report including pre-development conditions, post-development conditions, the results of the stormwater modeling, a summary table demonstrating that each practice has been designed in conformance with the sizing criteria, identification of and justification for any deviations from the Design Manual, and identification of any design criteria that are not required. The required analysis is provided in the report titled Stormwater Pollution Prevention Plan for Pawling Commons.
- d. Soil testing results and locations. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for Pawling Commons.
- e. Infiltration testing results. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for Pawling Commons.
- f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice. The Permanent Stormwater Facilities Maintenance Schedule provided on these plans serves to satisfy this requirement.
3. Enhanced Phosphorus Removal Standards – Beginning on September 30, 2008, all construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the most current version of the technical standard, New York Stormwater Management Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a – 2.f above. The permanent stormwater practices for this project have been sized according to chapter 10 of the Design Manual Enhanced Phosphorus Removal Standards. Please see 2.a – 2.f above.



NOTES:

1. AREA CHOSEN FOR STOCKPILE LOCATION SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE IMMEDIATELY SEEDED WITH K31 PERENNIAL TALL FESCUE.
4. ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING INSTALLED ON THE DOWNGRADIENT SIDE.

TEMPORARY SOIL STOCKPILE DETAIL
(N.T.S.)

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

SOIL RESTORATION REQUIREMENTS

The contractor shall be required to perform the following soil restoration techniques prior to installing topsoil, seed and mulch. Items stricken in the following table do not need to be performed.

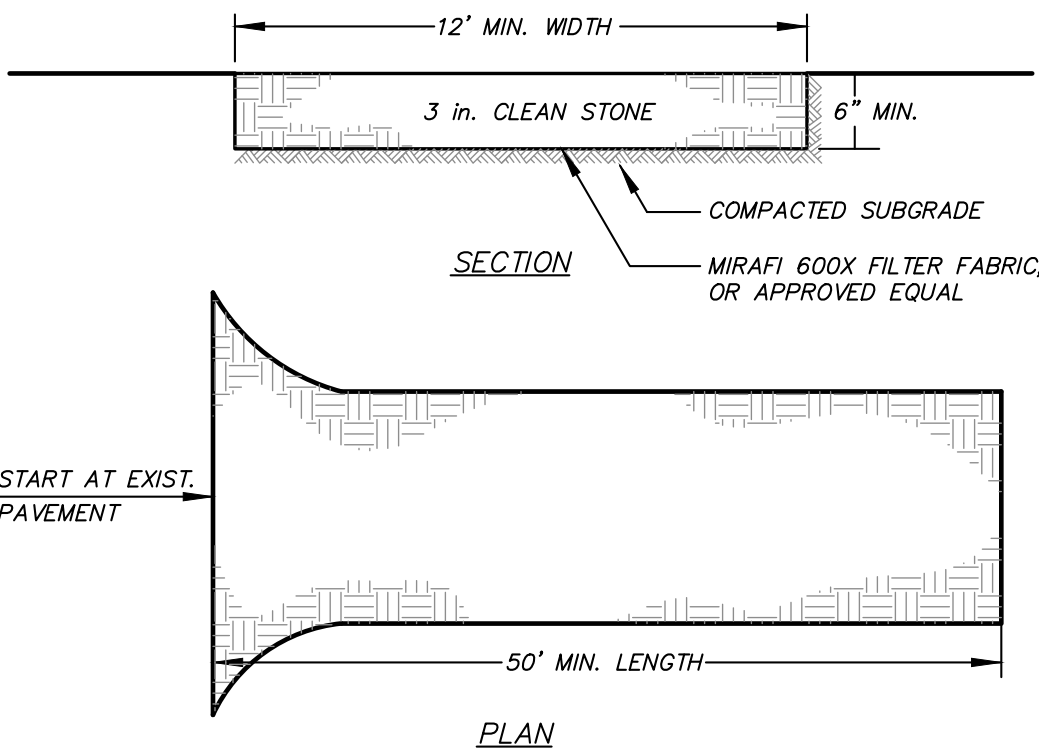
Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only – no change in grade	HSG A&B	HSG C&D	Protect area from any ongoing construction activities.
	Apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	
Areas of cut or fill	HSG A&B	HSG C&D	
	Aerate* and apply 6 inches of topsoil	Apply full Soil Restoration**	
Heavy traffic areas on site (especially in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (decompaction and compost enhancement)		
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.		

* Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
** Per "Deep Ripping and De-compaction, DEC 2008":

EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE

MONITORING REQUIREMENTS				MAINTENANCE REQUIREMENTS	
PRACTICE	DAILY	WEEKLY	AFTER RAINFALL	DURING CONSTRUCTION	AFTER CONSTRUCTION
SILT FENCE BARRIER	–	Inspect	Inspect	Clean/Replace	Remove
STABILIZED CONSTRUCTION ENTRANCE	Inspect	–	Inspect	Clean/Replace Stone and Fabric	Remove
INLET PROTECTION	–	Inspect	Inspect	Clean/Repair/Replace	Remove
DUST CONTROL	Inspect	–	Inspect	Mulching/ Spraying Water	N/A
*VEGETATIVE ESTABLISHMENT	–	Inspect	Inspect	Water/ReSeed/ Remulch	ReSeed to 80% Coverage
SOIL STOCKPILES	–	Inspect	Inspect	Mulching/ Silt Fence Repair	Remove
CONCRETE DRAINAGE STRUCTURES	–	Inspect	Inspect	Clean Sumps/ Remove Debris/ Repair/Replace	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D-10
DRAINAGE PIPES	–	Inspect	Inspect	Clean/Repair	
ACCESS ROAD / PAVEMENT	–	Inspect	Inspect	Clean	Clean

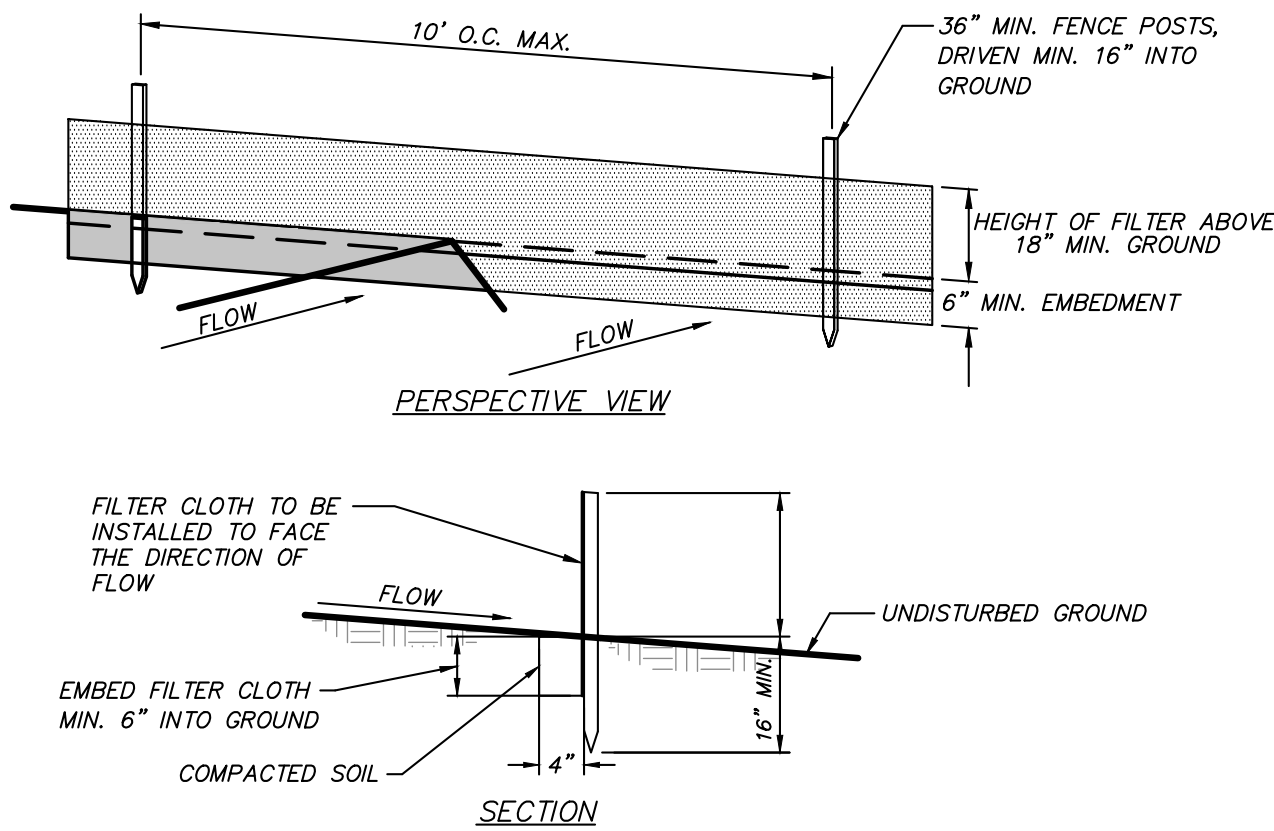
* Permanent vegetation is considered stabilized when 80% of the plant density is established. Erosion control measures shall remain in place until all disturbed areas are permanently stabilized.



INSTALLATION NOTES

1. STONE SIZE – USE 3" STONE
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY)
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. TWENTY FOUR (24) FOOT IF SINGLE ACCESS TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

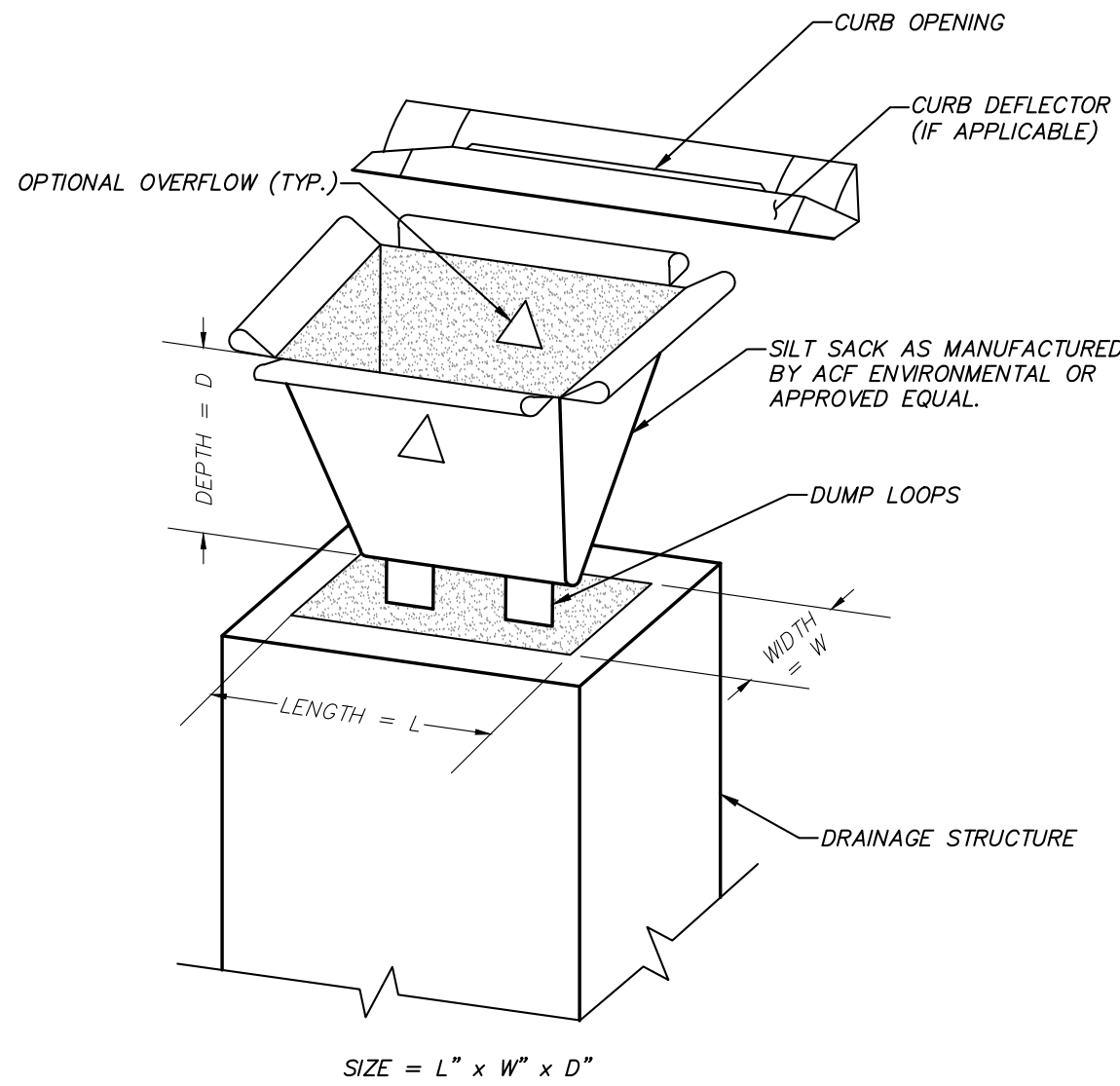
STABILIZED CONSTRUCTION ACCESS DETAIL
(N.T.S.)



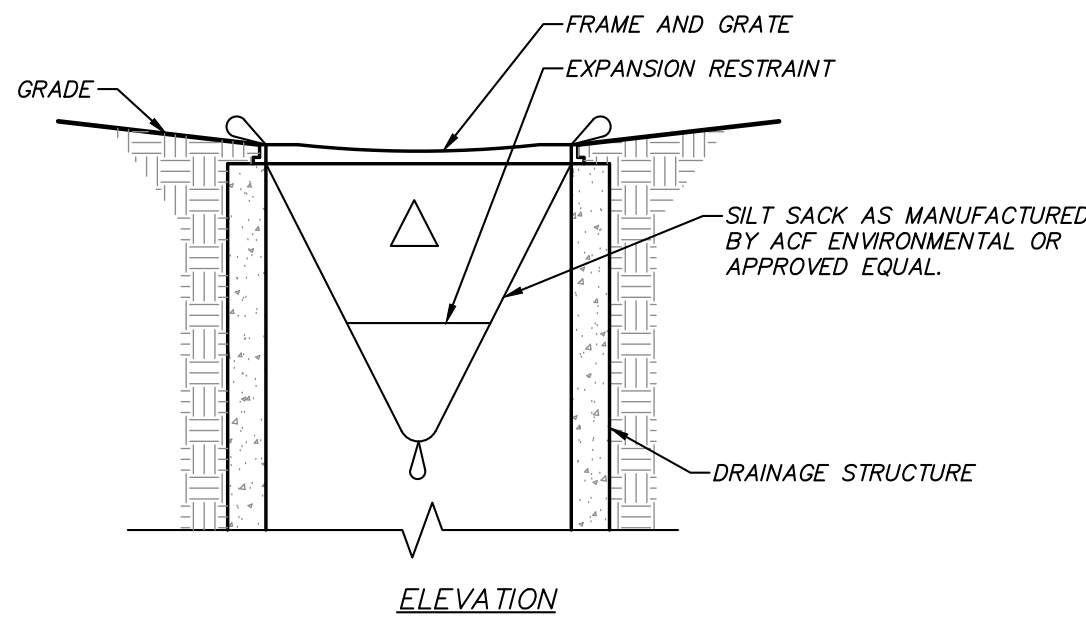
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

STANDARD SILT FENCE DETAIL
(N.T.S.)



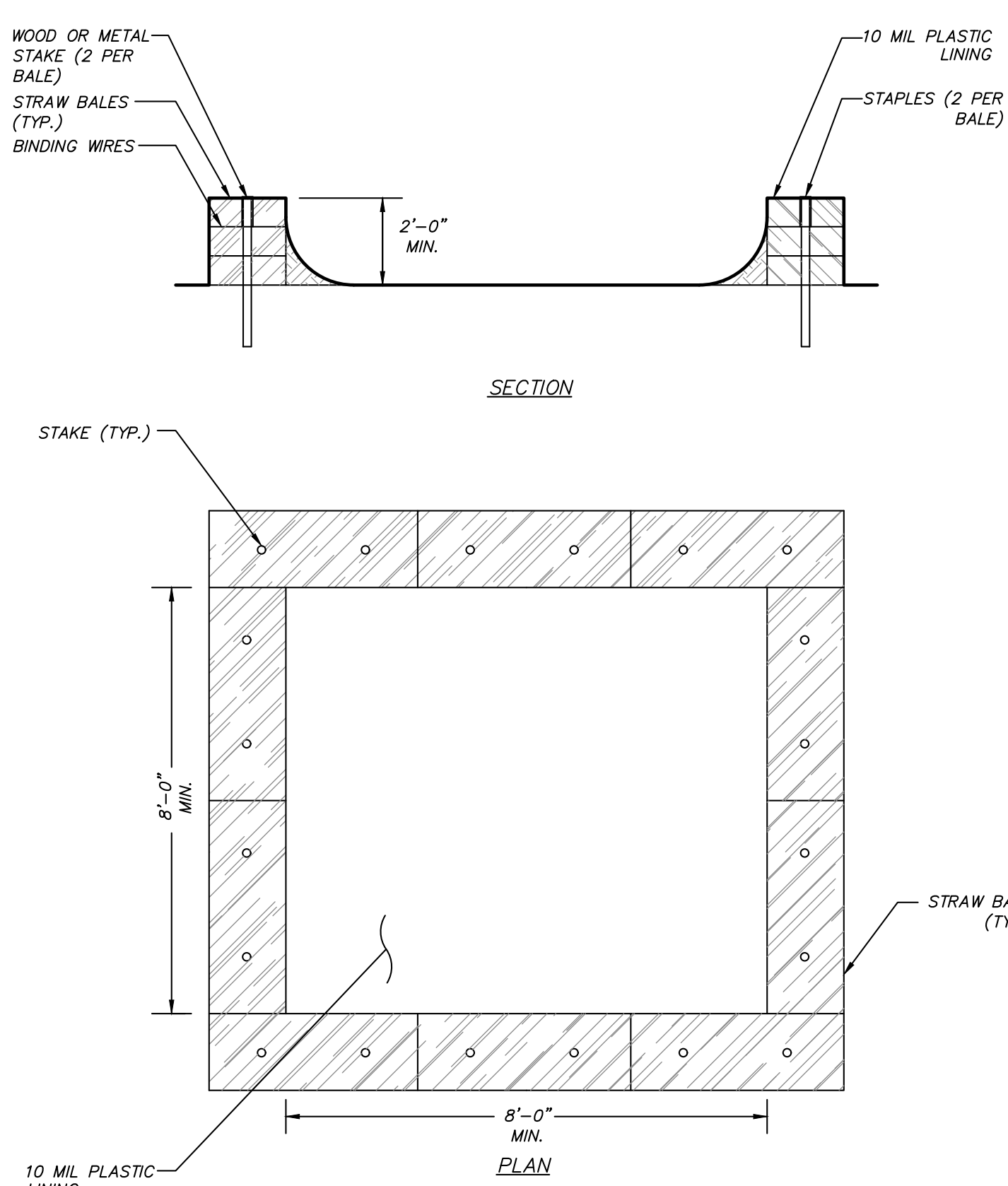
EXPLODED ISOMETRIC



NOTE: FABRIC FOR INSERT SHALL MEET THE FOLLOWING:

FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
Grab Tensile Strength (lbs)	110	ASTM D 4632
Mullen Burst Strength (PSI)	300	ASTM D 3786
Puncture Strength (lbs)	60	ASTM D 4833
Minimum Trapezoidal Tear Strength (lbs)	50	ASTM D 4533
Flow Through Rate (gal/min/sf)	25	ASTM D 4491
Equivalent Opening Size	40–80	US Std Sieve ASTM D 4751

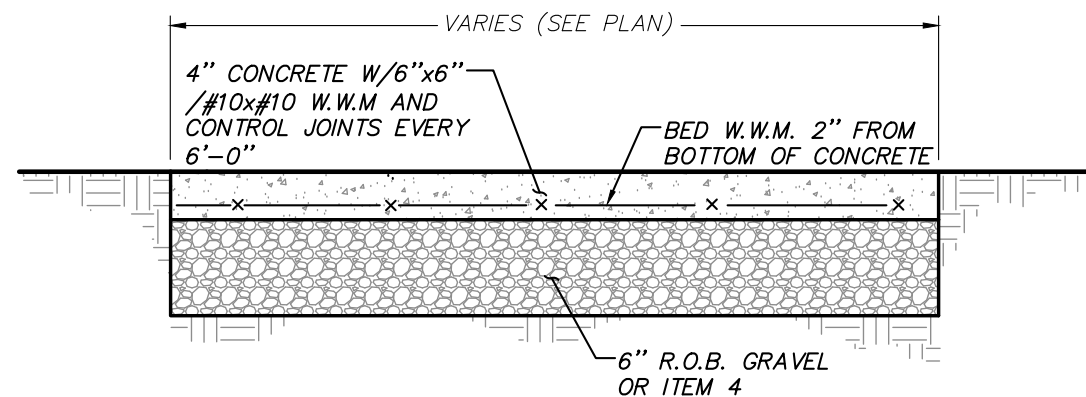
MANUFACTURED INSERT INLET PROTECTION DETAIL
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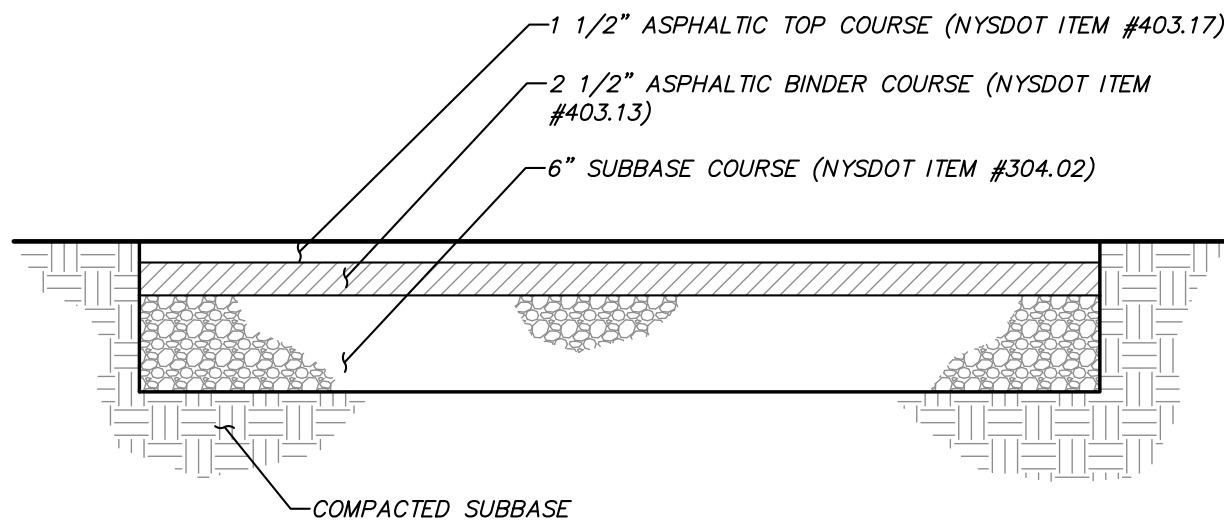
CONCRETE TRUCK WASHOUT DETAIL
(N.T.S.)

NOTES


1. TEMPORARY CONCRETE WASHOUT TYPE ABOVE GRADE WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 8 FT.
2. THE WASHOUT WILL BE MINIMUM OF 100 FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
3. PLASTIC LINING WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.



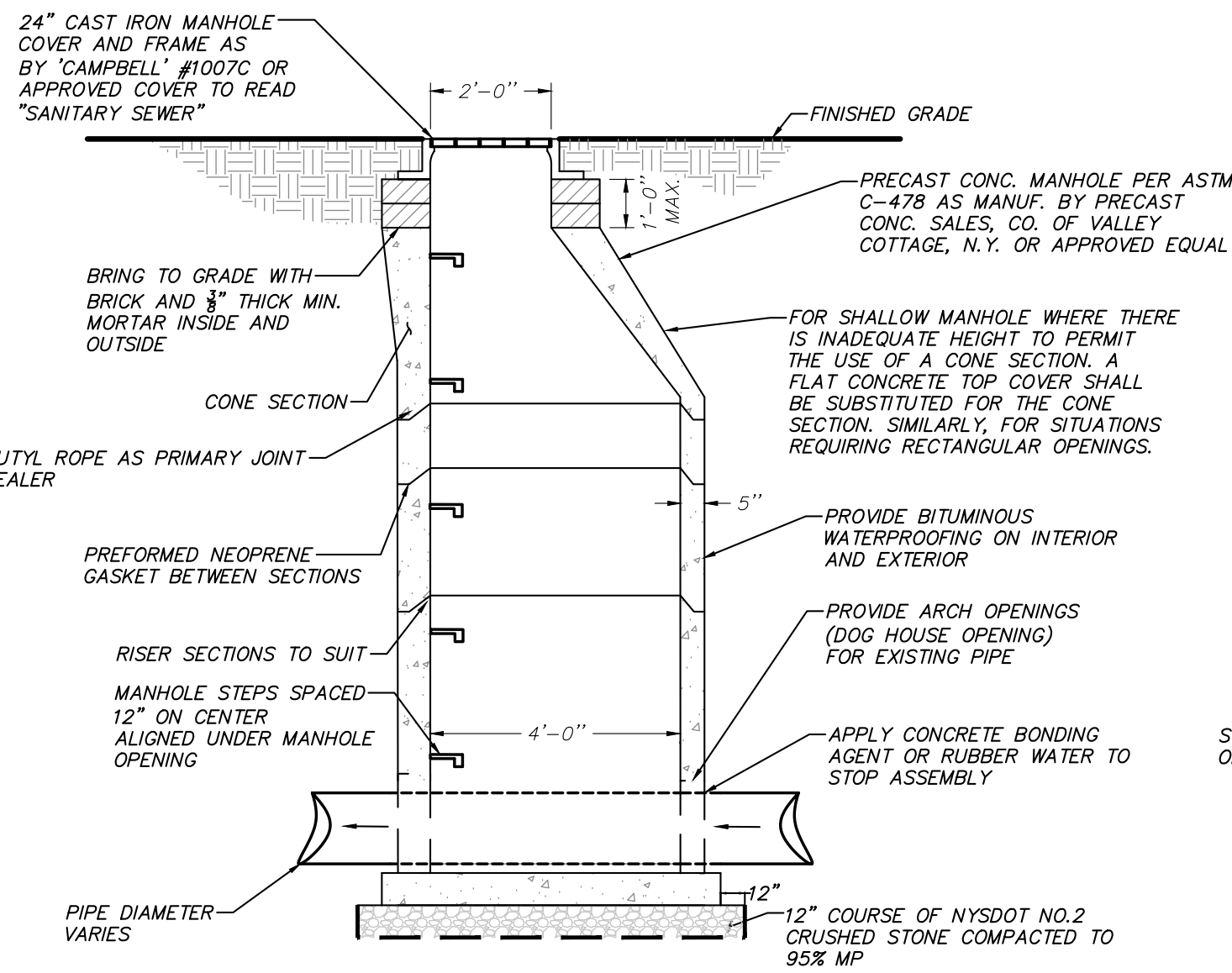
CONCRETE SIDEWALK DETAIL
(N.T.S.)



ASPHALT PAVEMENT DETAIL
(N.T.S.)

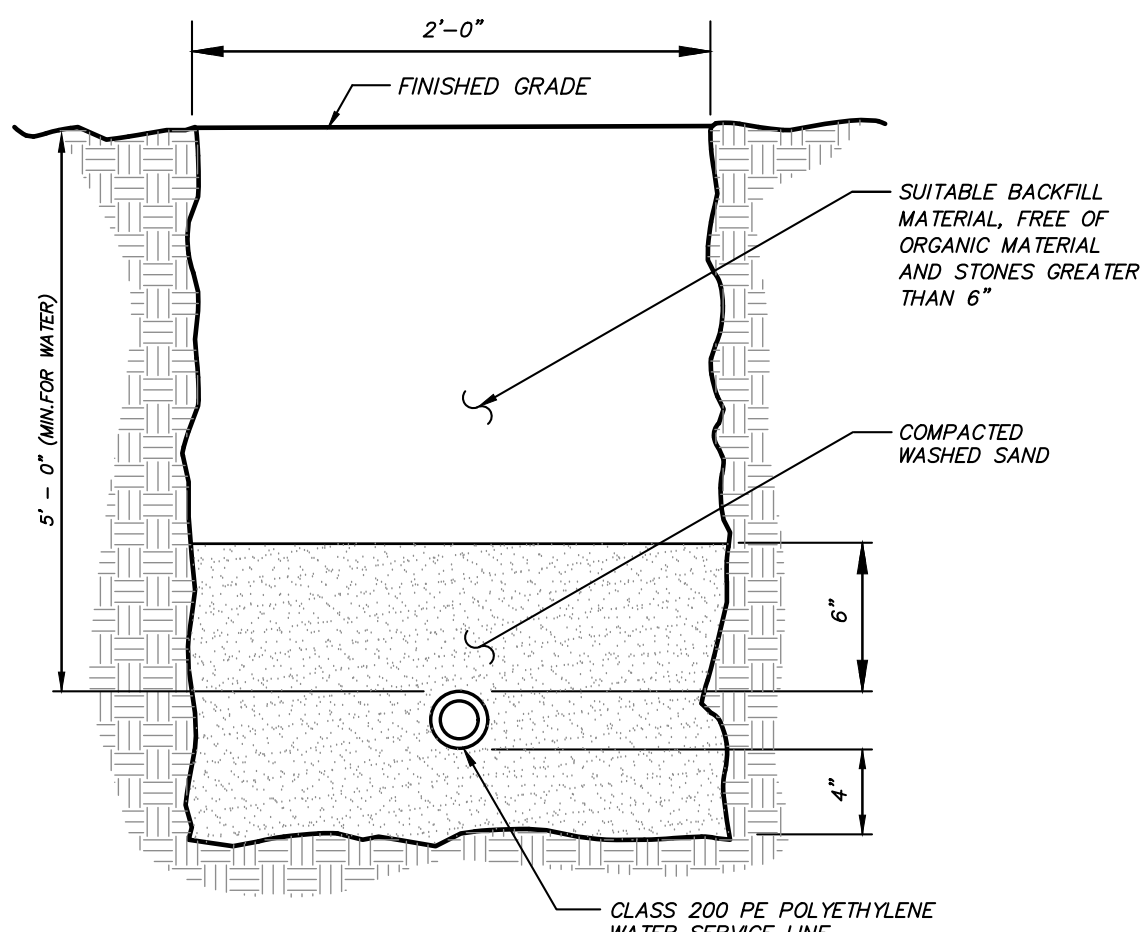
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PROJECT: PAWLING COMMONS ALTERNATE SITE PLAN EXPANSION 63-71 EAST MAIN STREET, VILLAGE OF PAWLING, DUTCHESS CO., NY			
DRAWING: DETAILS			
PROJECT NUMBER	18135.100	PROJECT MANAGER	J.M.W.
DATE	10-31-23	DRAWN BY	I.B.
SCALE	AS NOTED	CHECKED BY	E.J.P.
DRAWING NO.		SHEET	
D-1		4	
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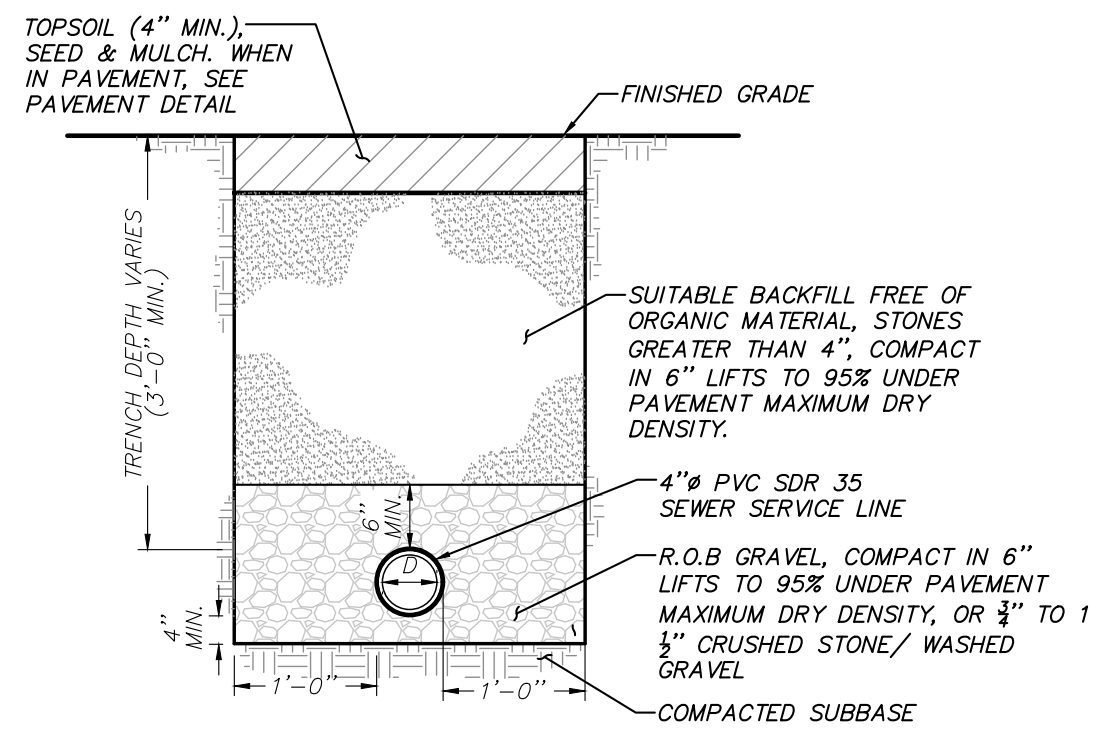


- NOTE:
1. THE CONTRACTOR SHALL NOT CUT NOR COMPROMISE THE EXISTING SEWER MAIN DURING DOG HOUSE MANHOLE INSTALLATION. THE INSTALLATION SHALL BE COMPLETED AND APPROVED BY THE DESIGN ENGINEER PRIOR TO CUTTING THE EXISTING SEWER MAIN.
 2. INVERT SHALL BE FILLETED.
 3. REINFORCEMENT FOR MANHOLE COMPONENTS SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS-20 VEHICULAR LOADING.
 4. CONCRETE TO TEST 4,500 PSI. AT 28 DAYS IN CONFORMANCE WITH A.S.T.M. C-478.
 5. BENCH SHALL BE BUILT FOR FLOW BETWEEN INLET AND OUTLET.
 6. MANHOLE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.

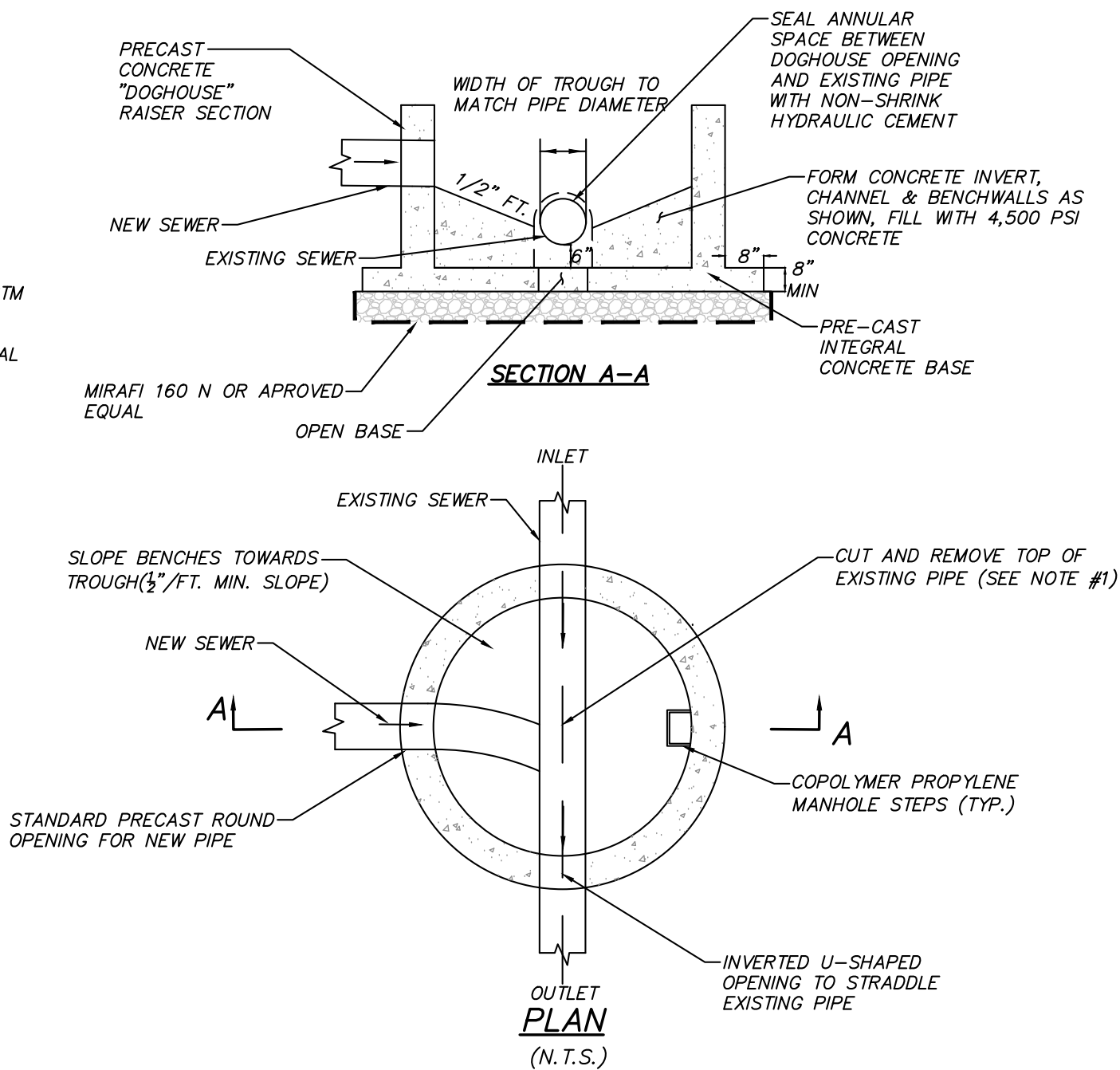
DOGHOUSE SEWER MANHOLE DETAIL
(N.T.S.)



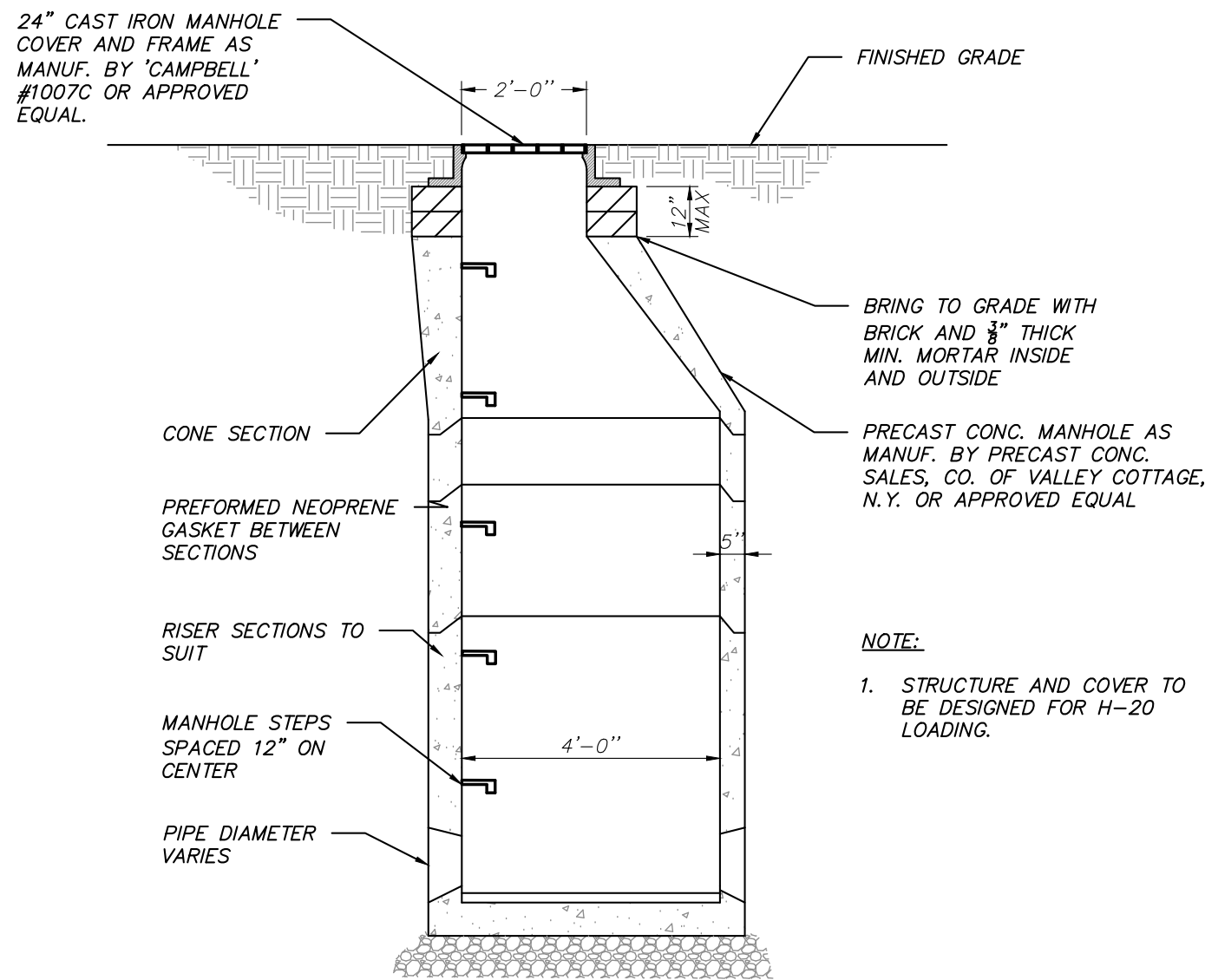
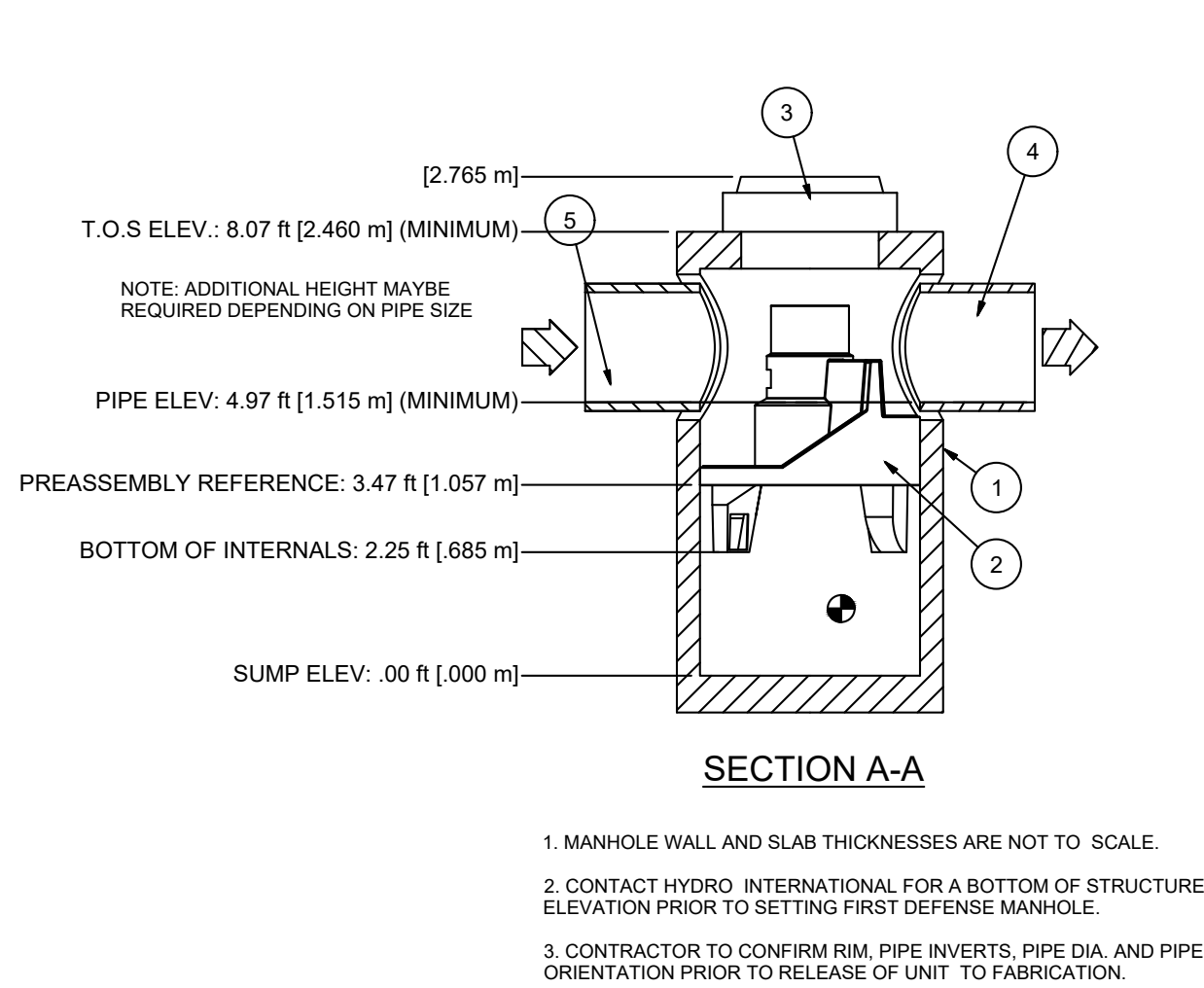
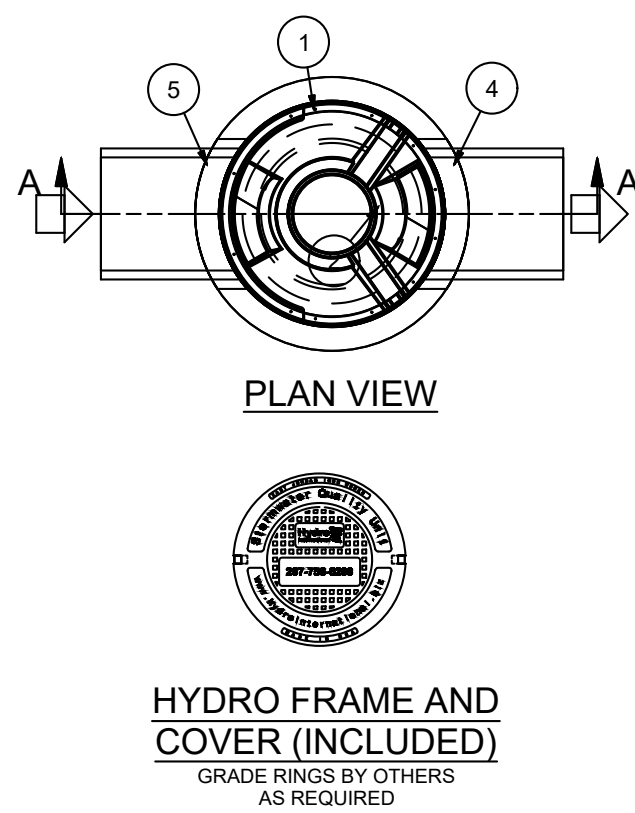
WATER SERVICE LINE TRENCH DETAIL
(N.T.S.)



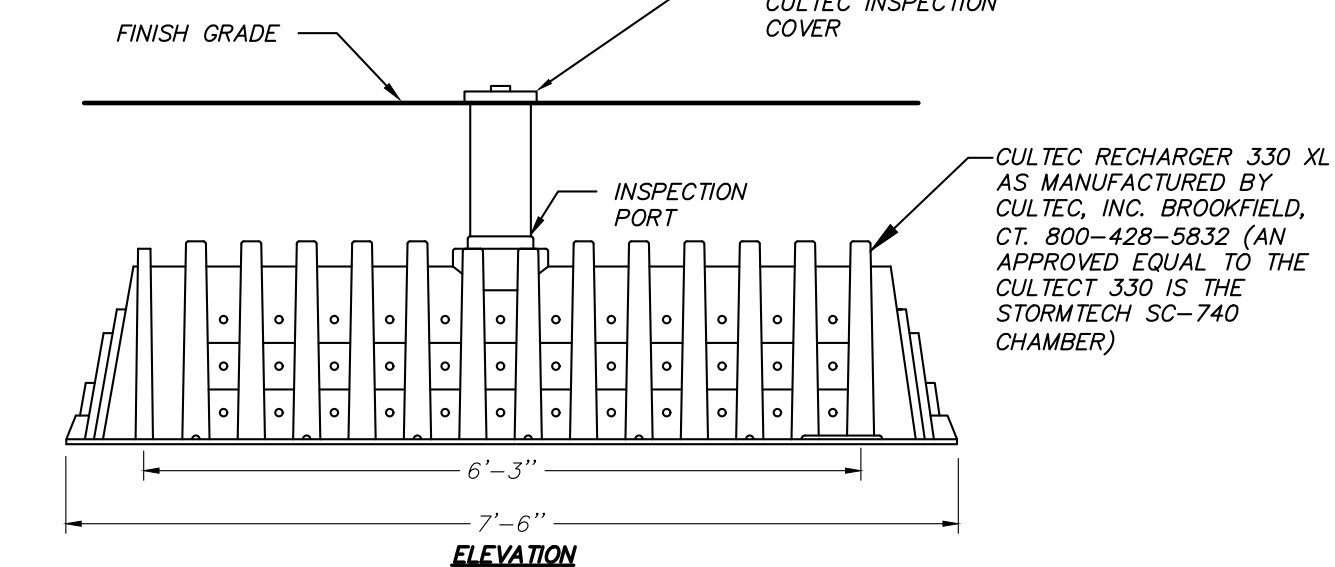
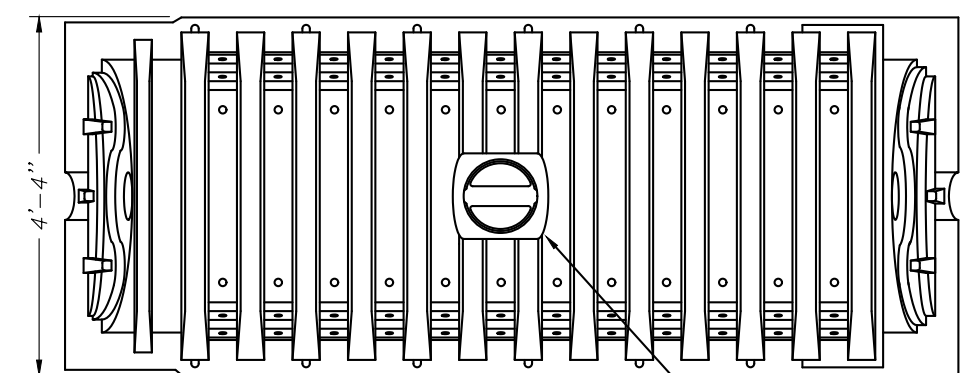
SEWER SERVICE LINE TRENCH DETAIL
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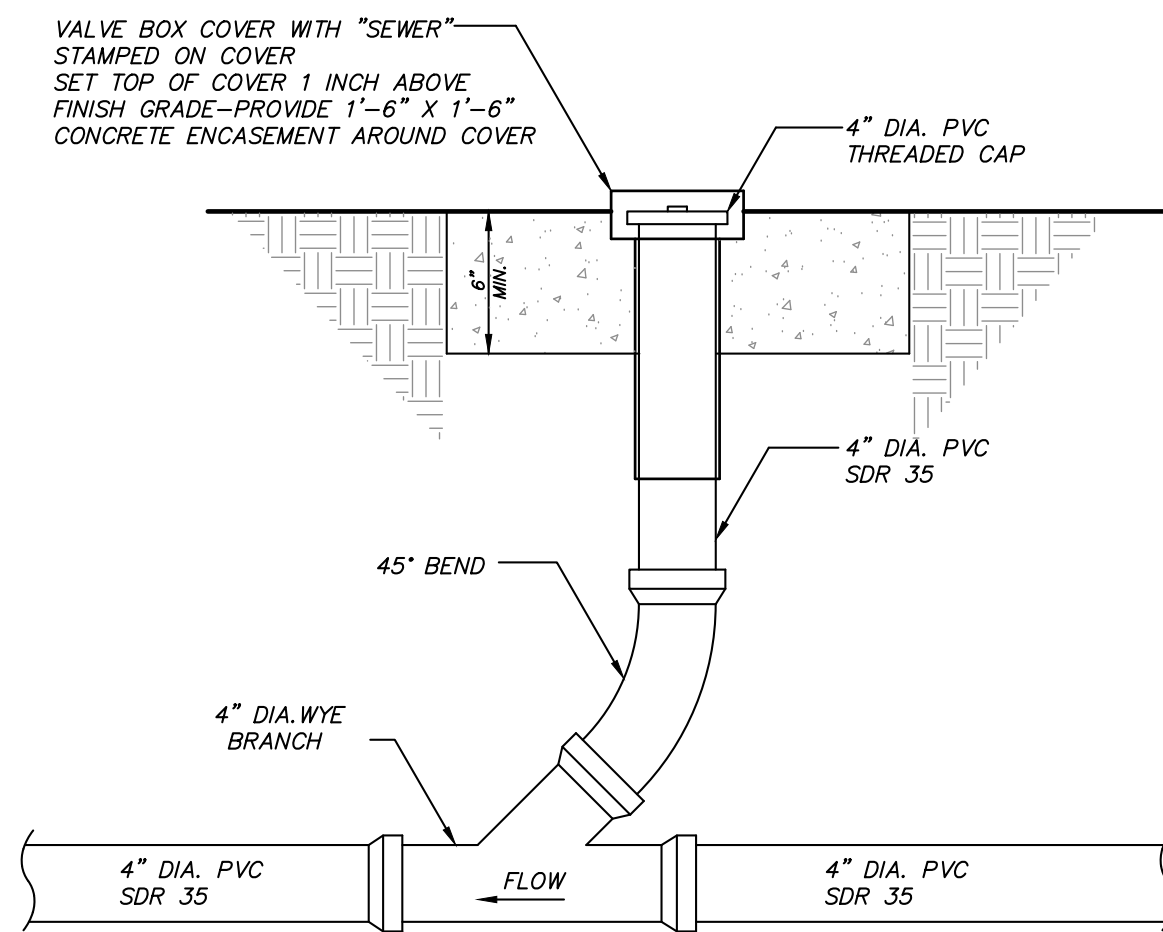
FIRST DEFENSE OPTIMUM HYDRODYNAMIC SEPARATOR DETAIL
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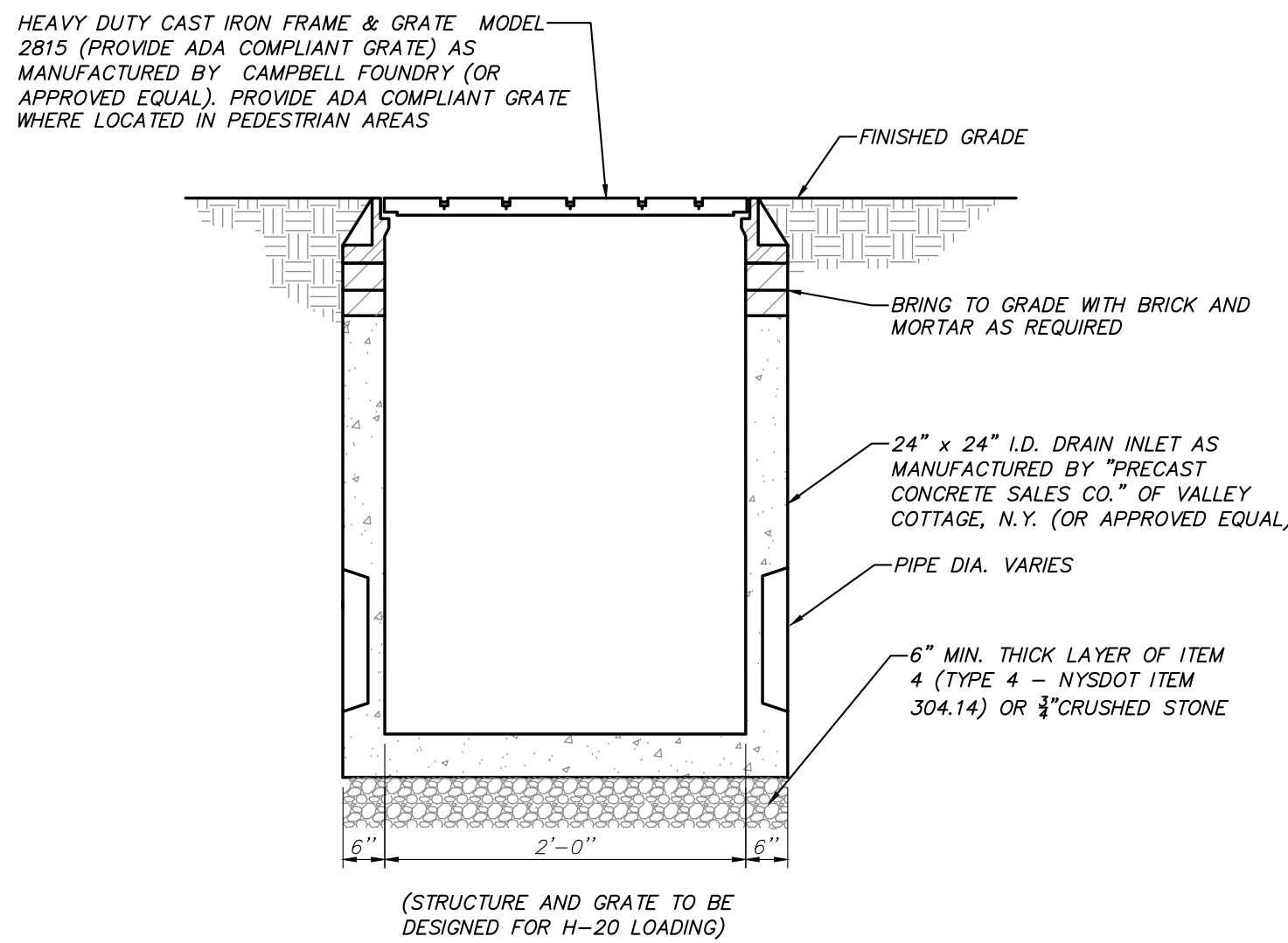
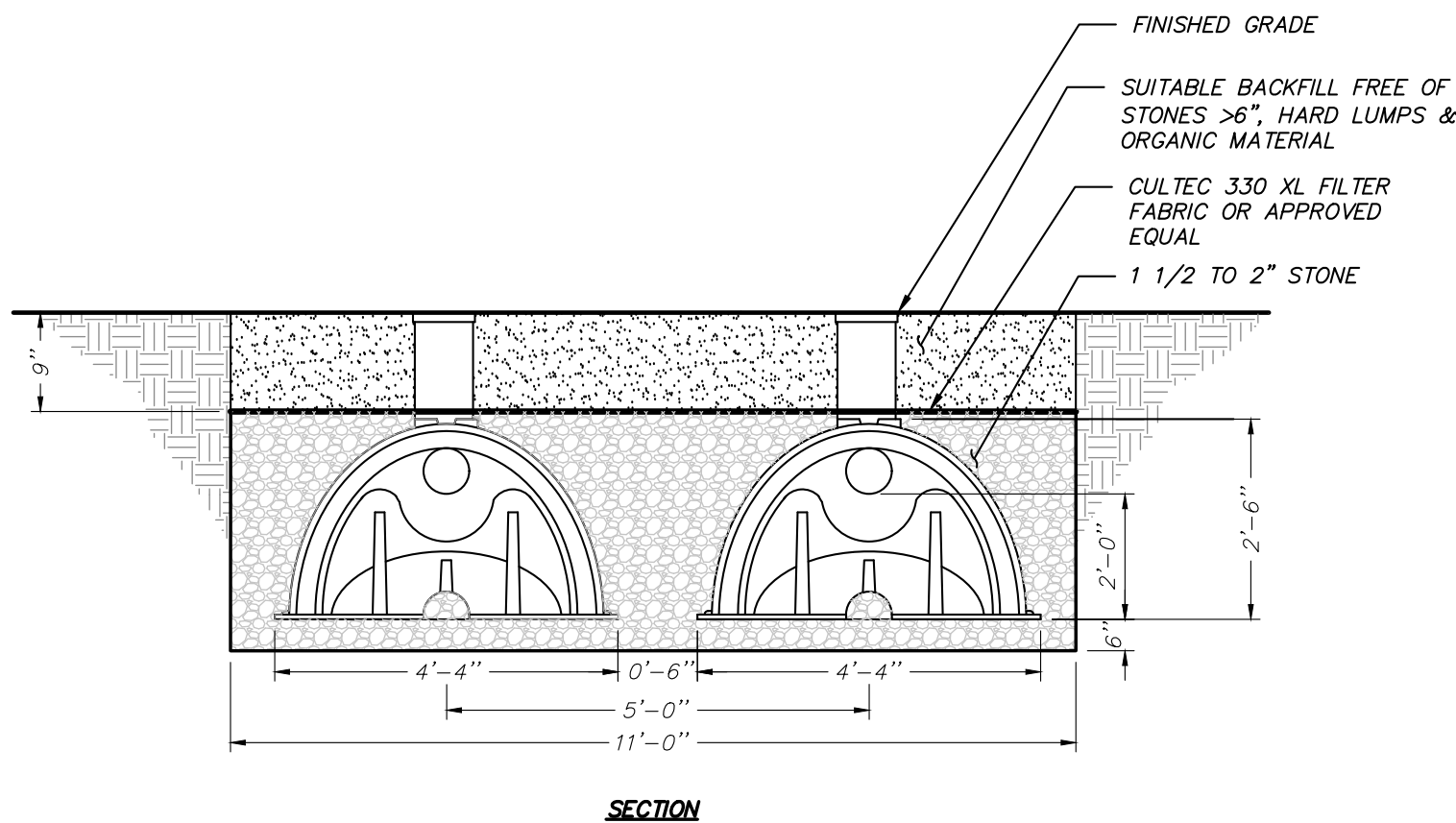
DRAINAGE MANHOLE DETAIL
(N.T.S.)



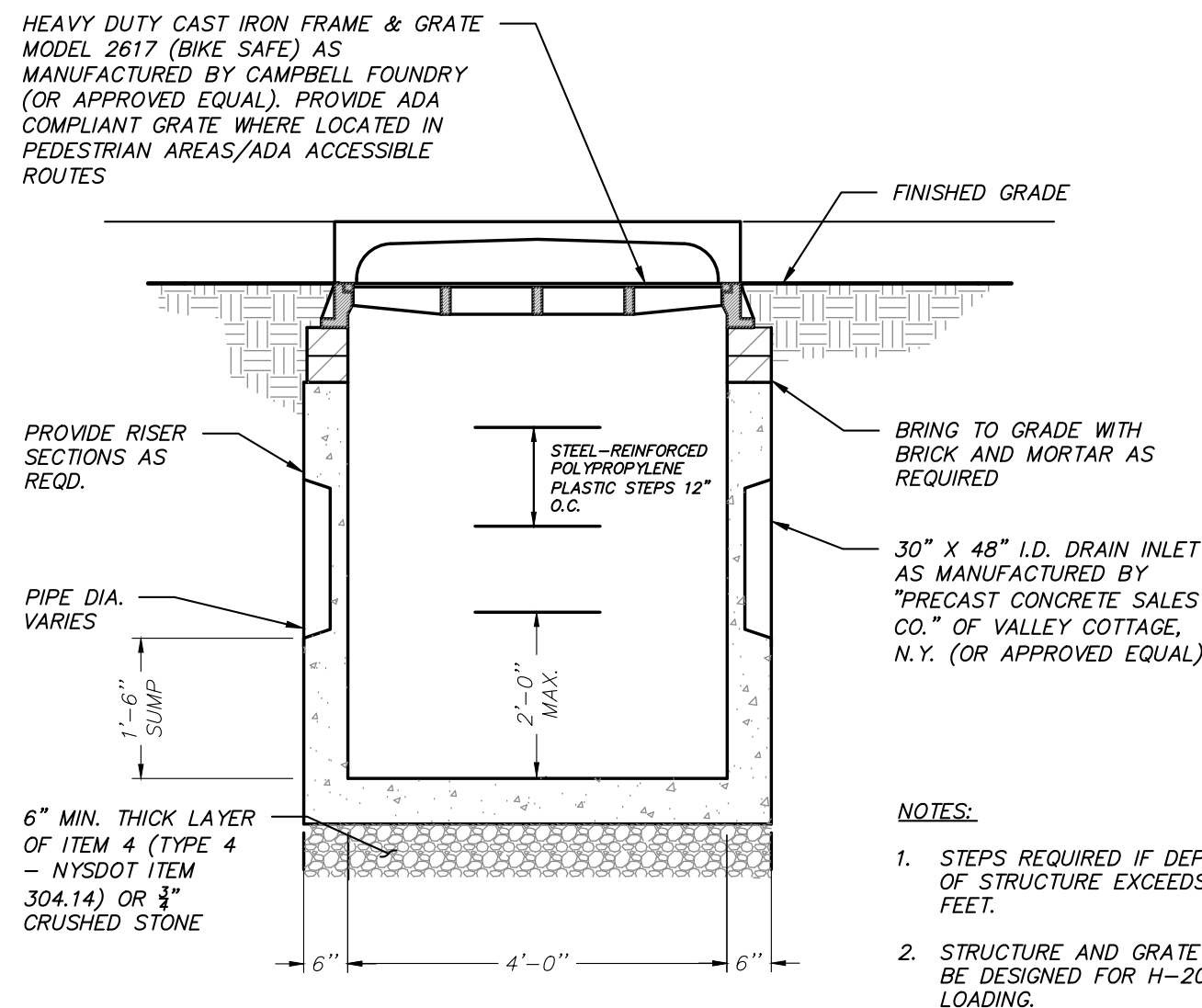
STORMWATER INFILTRATION SYSTEM DETAIL
(N.T.S.)



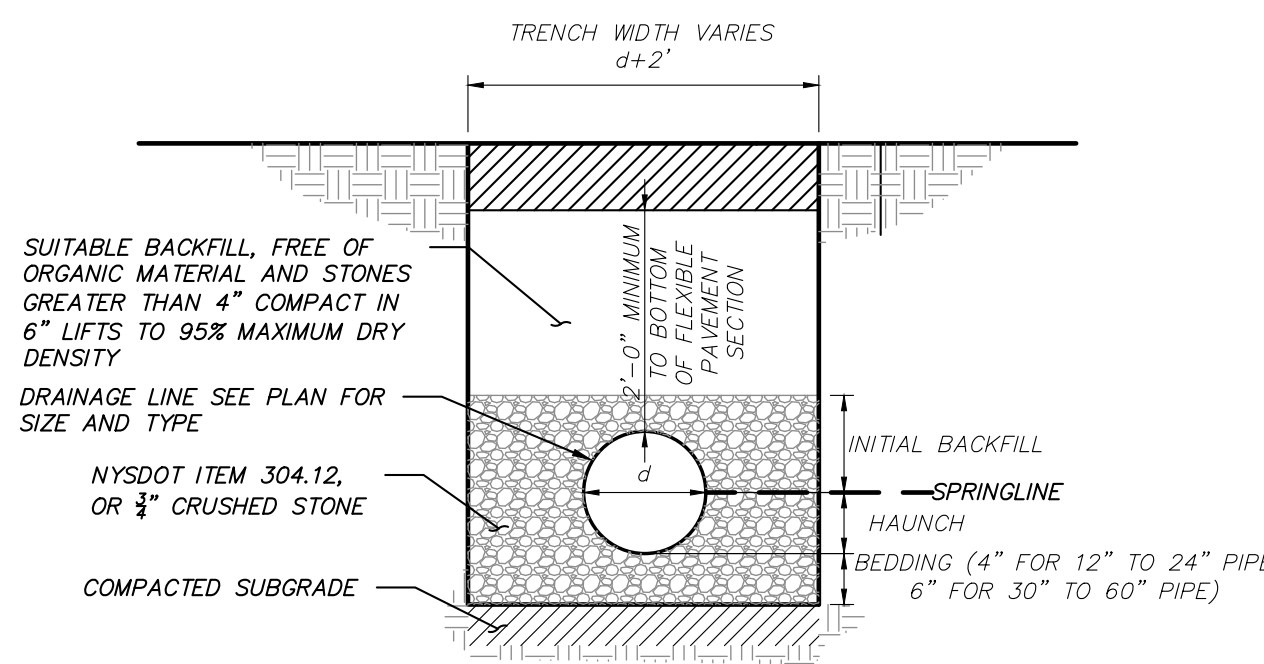
SEWER LINE CLEANOUT DETAIL
(N.T.S.)



24" x 24" YARD DRAIN DETAIL
(N.T.S.)



30" x 48" CATCH BASIN DETAIL
(N.T.S.)



DRAINAGE LINE TRENCH DETAIL
(N.T.S.)

NO.	DATE	REVISION	BY
 PROJECT: PAWLING COMMONS ALTERNATE SITE PLAN EXPANSION 63-71 EAST MAIN STREET, VILLAGE OF PAWLING, DUTCHESS CO., NY DRAWING: DETAILS			
PROJECT NUMBER	18135.100	PROJECT MANAGER	J.M.W.
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SCALE	AS NOTED	CHECKED BY	E.J.P.
DRAWING NO.	D-2		
SHEET	5	5	