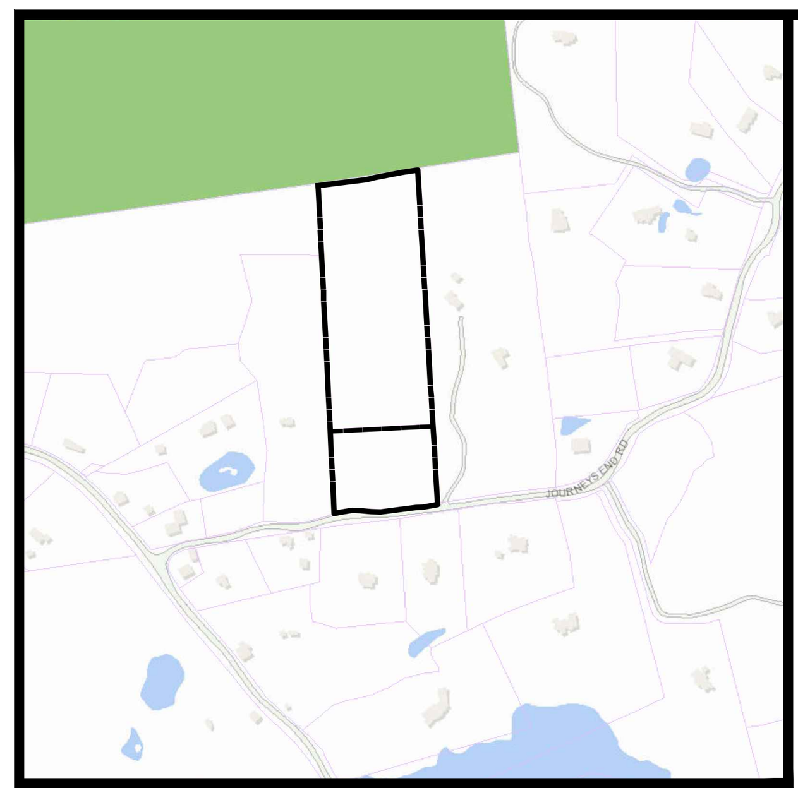


LOCATION MAP
NOT TO SCALE

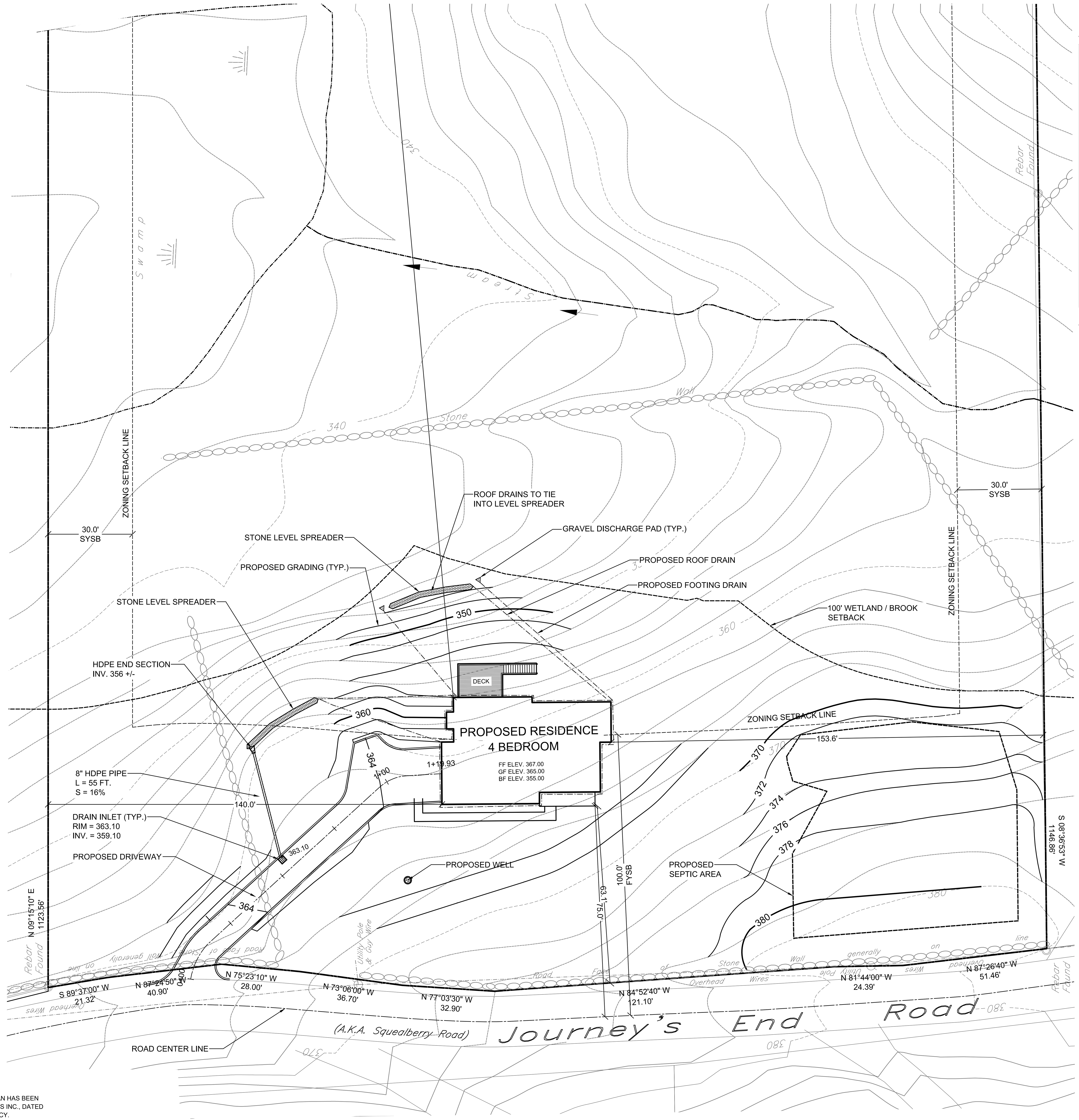
SITE DATA:

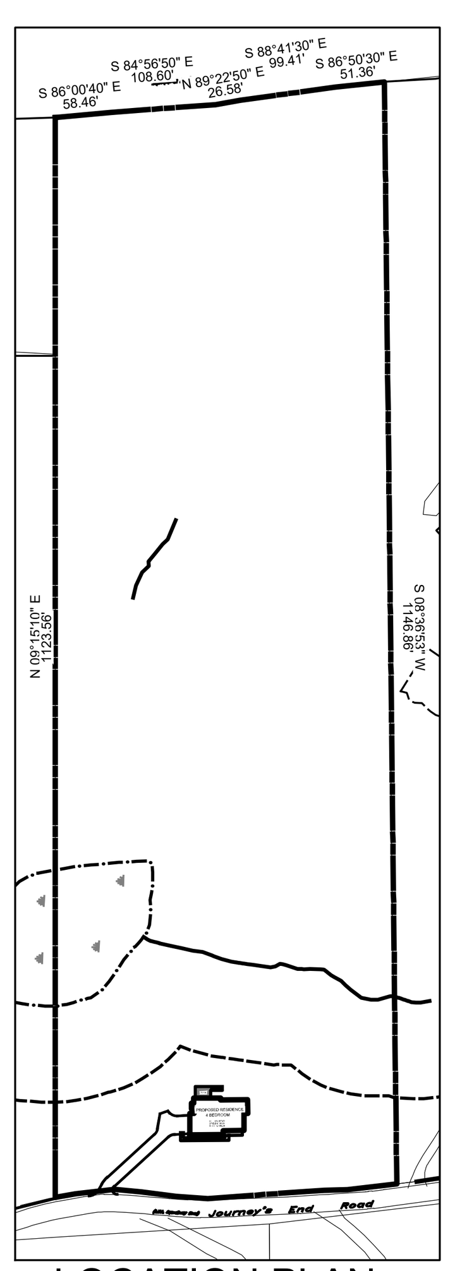
OWNER / DEVELOPER:	CONTE HOMES, INC. 1420 JOURNEY'S END ROAD TOWN OF YORKYOWN
PROJECT LOCATION:	1550 JOURNEYS END ROAD CROTON-ON-HUDSON, NY, 10520
EXISTING TOWN ZONING:	R1-200, ONE-FAMILY RESIDENTIAL
PROPOSED USE:	R1-200, ONE-FAMILY RESIDENTIAL
TOWN TAX MAP DATA:	SECTION 69.06, BLOCK 1, LOT 10
SITE AREA :	9.09 ACRES (396,091 SF)
SEWAGE FACILITIES:	PUBLIC SEWERS
WATER FACILITIES:	PUBLIC WATER FACILITIES

ZONING SCHEDULE:

ZONING DISTRICT:	R1-200, ONE-FAMILY RESIDENTIAL		
DIMENSIONAL REGULATIONS:	REQUIRED	PROVIDED	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:			
MINIMUM LOT AREA:	200,000 SF.	396,091 SF.	NONE
MINIMUM LOT WIDTH:	200 FT.	350 FT.	NONE
MINIMUM LOT DEPTH:	200 FT.	1123 FT.	NONE
MINIMUM ROAD FRONTAGE	200 FT.	357 FT.	NONE
MINIMUM YARD DIMENSIONS:			
PRINCIPAL BUILDING:			
FRONT YARD SETBACK:	75' / 100 FT. (1)	75' FT.	25' VARIANCE
REAR YARD SETBACK:	75 FT.	1029 FT.	NONE
ONE SIDE YARD SETBACK:	30 FT.	140 FT.	NONE
COMBINED SIDE YARD SETBACK:	80 FT.	293 FT.	NONE
MAXIMUM % OF LOT TO BE OCCUPIED:			
TOTAL BUILDING COVERAGE:	10% OF LOT AREA	0.5 % OF LOT AREA	NONE
MINIMUM USABLE FLOOR AREA OF D.U.	1,200 SF	2,010 FT.	NONE
MAXIMUM HEIGHT:			
PRINCIPAL BUILDING - FEET:	35 FT.	35 FT.	NONE

ZONING REGULATION NOTES:
1. ON STREETS WITH LESS THAN A 50-FOOT RIGHT-OF-WAY, THE FRONT YARD SETBACK SHALL BE MEASURED FROM THE CENTER LINE OF THE EXISTING ROADWAY AND 25 FEET SHALL BE ADDED TO THE REQUIRED FRONT YARD SETBACK.
2. WHERE PUBLIC SEWERS ARE NOT AVAILABLE, THE MAXIMUM FLOOR AREA RATIO SHALL NOT EXCEED 1/2 THE FIGURES SHOWN.





LOCATION PLAN
SCALE: 1" = 200'

LEGEND

- EXISTING GRADING
- EXISTING SPOT GRADE
- PROPOSED GRADING
- PROPERTY LINE / RIGHT OF WAY
- PROPOSED ROAD CENTERLINE
- PROPOSED CURB
- EDGE OF WETLAND
- 100' WETLAND BUFFER
- EXISTING STONE WALL
- PROPOSED DRAINAGE LINE
- PROPOSED CATCH BASIN
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FOOTING DRAIN
- PROPOSED ROOF DRAIN
- PROPOSED SEWER FORCE MAIN
- PROPOSED HOUSE AND DRIVE
- PROPOSED RETAINING WALLS

0 10 20 40
SCALE: 1"=20'-0"

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NOTE:
1. *THIS IS NOT A SURVEY.* ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY WARD CARPENTER ENGINEERS INC., DATED 10/9/17. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

PROJECT # 17-50

Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com

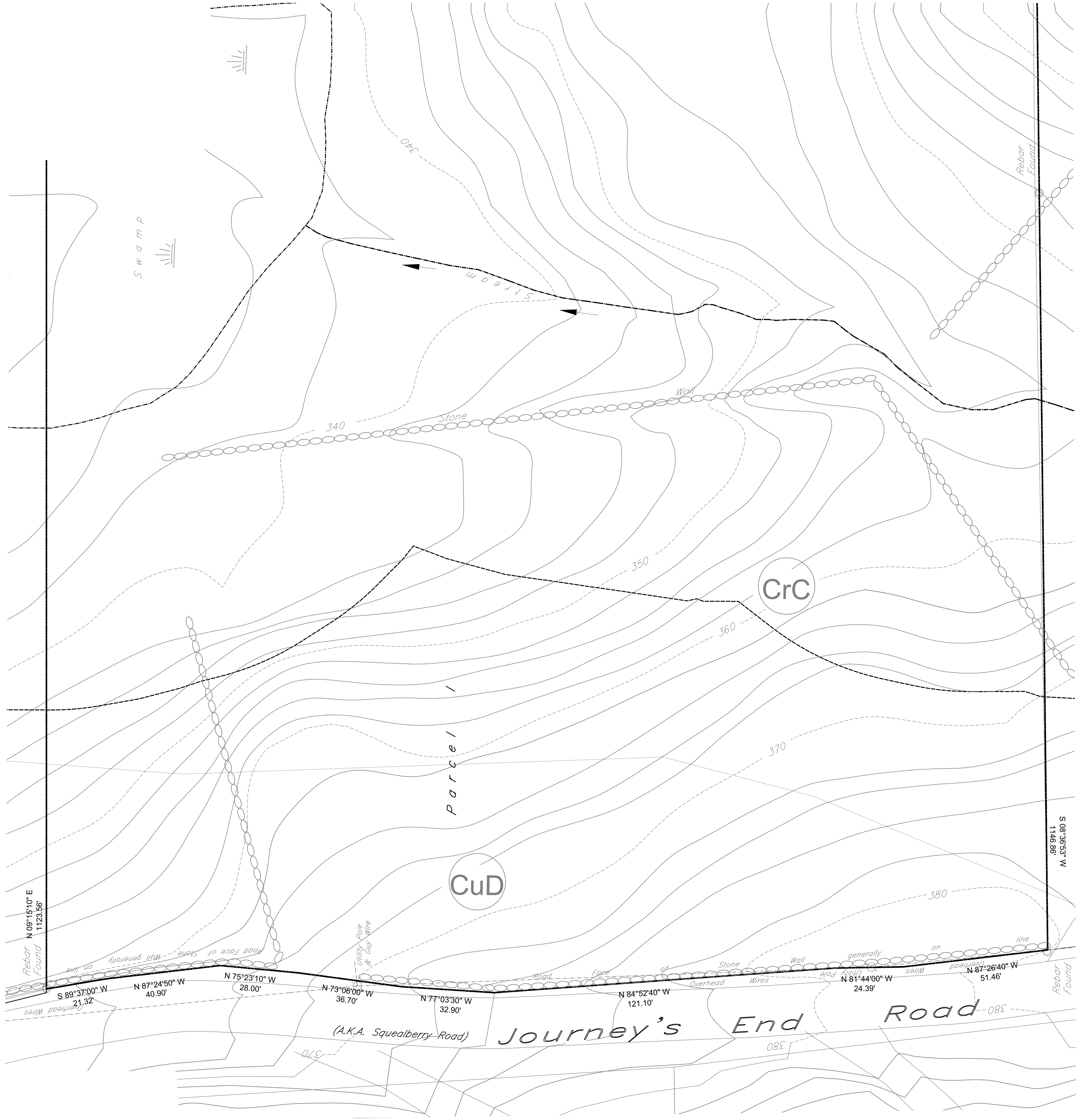
Engineer: Joseph C. Riina, P.E. NYS Lic. No. 64431

No.	Date	Comments:
1.	12-3-18	Driveway relocation
2.	2-01-19	House relocation

SCALE: 1" = 20'
DRAWN BY: MD
DATE: 9-18-18

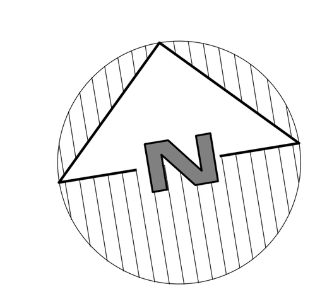
SITE PLAN

SITE PLAN PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown, Westchester County, NY



LEGEND

- 222 — EXISTING GRADING
- × 222.8 — EXISTING SPOT GRADE
- PROPERTY LINE / RIGHT OF WAY
- EDGE OF WETLAND
- 100' WETLAND BUFFER
- EXISTING STONE WALL
- CrC — SOIL TYPE



0 10 20 40

SCALE: 1"=20'-0"

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Engineer:
STATE OF NEW YORK · JOSEPH CARLO RIINA · LICENSED PROFESSIONAL ENGINEER
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments:
1.	12-2-18	Driveway relocation

SCALE: 1" = 20'

DRAWN BY: MD

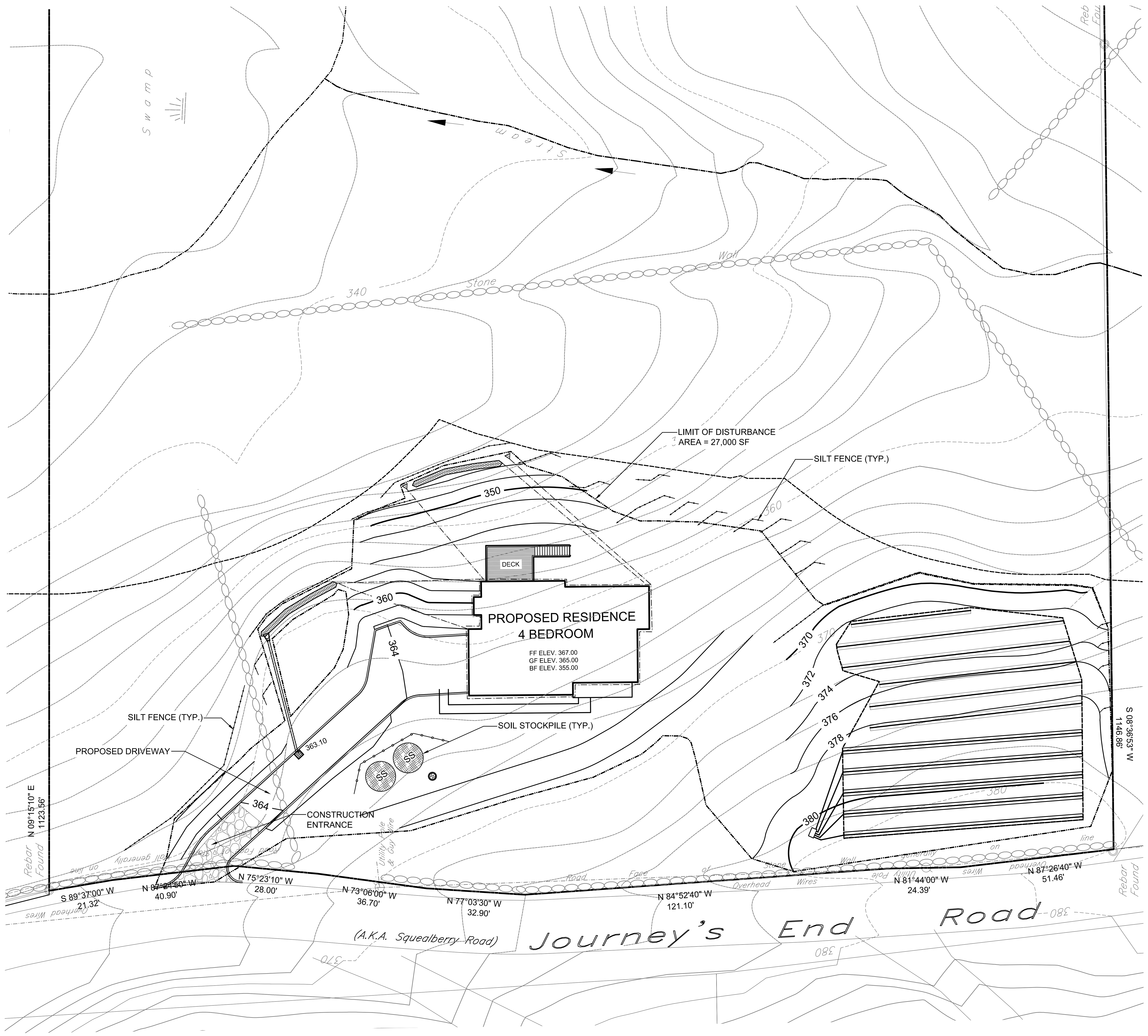
DATE: 9-18-18

EXISTING CONDITIONS PLAN

SITE PLAN
PREPARED FOR
CONTE HOMES, INC.

1550 JOURNEY'S END ROAD

Town of Yorktown Westchester County, NY



LEGEND

- EXISTING GRADING
- EXISTING SPOT GRADE
- PROPOSED GRADING
- PROPERTY LINE / RIGHT OF WAY
- EDGE OF WETLAND
- 100' WETLAND BUFFER
- EXISTING STONE WALL
- PROPOSED CATCH BASIN
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FOOTING DRAIN
- PROPOSED ROOF DRAIN
- PROPOSED HOUSE AND DRIVE
- PROPOSED RETAINING WALLS
- PROPOSED SOIL STOCKPILES
- PROPOSED SILT FENCE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED LIMIT OF DISTURBANCE

0 10 20 40

SCALE: 1"=20'-0"

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DRAWN BY: MD
DATE: 9-18-18

EROSION & SEDIMENT CONTROL PLAN

SITE PLAN
PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown, Westchester County, NY

Sheet 3 of 7

GENERAL EROSION CONTROL NOTES:

1. Contractor shall be responsible for compliance with all sediment and erosion control practices. The sediment and erosion control practices are to be installed prior to any major soil disturbances, and maintained until permanent protection is established. Road surface flows from the site should be dissipated with tracking pad or appropriate measures during adjacent road shoulder regrading. Contractor is responsible for the installation and maintenance of all soil erosion and sedimentation control devices throughout the course of construction.
2. Catch basin inlet protection must be installed and operating at all times until tributary areas have been stabilized. When possible flows should be stabilized before reaching inlet protection structure. Timely maintenance of sediment control structures is the responsibility of the Contractor.
3. All structures shall be maintained in good working order at all times. The sediment level in all sediment traps shall be closely monitored and sediment removed promptly when maximum levels are reached or as ordered by the engineer. All sediment control structures shall be inspected on a regular basis, and after each heavy rain to insure proper operation as designed. An inspection schedule shall be set forth prior to the start of construction.
4. The locations and the installation times of the sediment capturing standards shall be as specified in these plans, as ordered by the Engineer, and in accordance with the latest edition of the "New York Standards and Specifications for Erosion and Sediment Control" (NYSSESC).
5. All topsoil shall be placed in a stabilized stockpile for reuse on the site. All stockpile material required for final grading and stored on site shall be temporarily seeded and mulched within 7 days. Refer to soil stockpile details.
6. Any disturbed areas that will be left exposed more than 7 days and not subject to construction traffic, shall immediately receive temporary seeding. Mulch shall be used if the season prevents the establishment of a temporary cover. Disturbed areas shall not be limed and fertilized prior to temporary seeding.
7. All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to provide dust control.
8. The contractor shall keep the roadways within the project clear of soil and debris and is responsible for any street cleaning necessary during the course of the project.
9. Sediment and erosion control structures shall be removed and the area stabilized when the drainage area has been properly stabilized by permanent measures.
10. All sediment and erosion control measures shall be installed in accordance with current edition of NYSSESC.
11. All regraded areas must be stabilized appropriately prior to any rock blasting, cutting, and/or filling of soils. Special care should be taken during construction to insure stability during maintenance and integrity of control structures.
12. Any slopes graded at 3:1 or greater shall be stabilized with erosion blankets to be staked into place in accordance with the manufactures requirements. Erosion blankets may also be required at the discretion of Town officials or Project Engineer. When stabilized blanket is utilized for channel stabilization, place all of the volume of seed mix prior to laying net, or as recommended by the manufacturer.
13. To prevent heavy construction equipment and trucks from tracking soil off-site, construct a pervious crushed stone pad. Locate and construct pads as detailed in these plans.
14. Contractor is responsible for controlling dust by sprinkling exposed soil areas periodically with water as required. Contractor to supply all equipment and water.
15. Contractor shall be responsible for construction inspections as per NYSDEC GP-0-15-002 and Town of Yorktown Code.

MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES:

N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - States that any exposed earthwork shall be stabilized in accordance with the guidelines of this plan.

1. Trees and vegetation shall be protected at all times as shown on the detail drawing and as directed by the Engineer.
2. Care should be taken so as not to channel concentrated runoff through the areas of construction activity on the site.
3. Fill and site disturbances should not be created which causes water to pond off site or on adjacent properties.
4. Runoff from land disturbances shall not be discharged or have the potential to discharge off site without first being intercepted by a control structure, such as a sediment trap or silt fence. Sediment shall be removed before exceeding 50% of the retention structure's capacity.
5. For finished grading, adequate grade shall be provided so that water will not pond on lawns for more than 24 hours after rainfall, except in swale flow areas which may drain for as long as 48 hours after rainfall.
6. All swales and other areas of concentrated flow shall be properly stabilized with temporary control measures to prevent erosion and sediment travel. Surface flows over cut and fill areas shall be stabilized at all times.
7. All sites shall be stabilized with erosion control materials within 7 days of final grading.
8. Temporary sediment trapping devices shall be removed from the site within 30 days of final stabilization.

MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION:

The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

DEBRIS AND LITTER REMOVAL:

Twice a year, inspect outlet structure and drain inlets for accumulated debris.
Also, remove any accumulations during each mowing operation.

STRUCTURAL REPAIR/REPLACEMENT:

Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

EROSION CONTROL:

Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

SEDIMENT REMOVAL:

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

TOPSOIL:

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):

1. The pH of the material shall be 5.5 to 7.6.
2. The organic content shall not be less than 2% or more than 70%.
3. Gradation:

SIEVE SIZE	% PASSING BY WGT.
2 INCH	100
1 INCH	85 TO 100
1/4 INCH	65 TO 100
NO. 200 MESH	20 TO 80

PERMANENT VEGETATIVE COVER:

1. Site preparation:
   - 1.1. Install erosion control measures.
   - 1.2. Scarify compacted soil areas.
   - 1.3. Lime as required to ph 6.5.
   - 1.4. Fertilize with 10-6-4 4 lbs/1,000 S.F.
   - 1.5. Incorporate amendments into soil with disc harrow.
2. Seed mixtures for use on swales and cut and fill areas.

MIXTURE		LBS./ACRE
ALT. A	KENTUCKY BLUE GRASS	20
	CREEPING RED FESCUE	28
	RYE GRASS OR REDTOP	5
ALT. B	CREEPING RED FESCUE	20
	REDTOP	2
	TALL FESCUE/SMOOTH BLOOMGRASS	20

3. SEEDING
   - 3.1. Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
   - 3.2. Apply soil amendments and integrate into soil.
   - 3.3. Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
   - 3.4. Stabilize seeded areas in drainage swales.
   - 3.5. Irrigate to fully saturate soil layer, but not to dislodge planting soil.
   - 3.6. Seed between April 1st and May 15th or August 15th and October 15th.
   - 3.7. Seeding may occur May 15th and August 15th if adequate irrigation is provided.

TEMPORARY VEGETATIVE COVER:

SITE PREPARATION:

1. Install erosion control measures.
2. Scarify areas of compacted soil.
3. Fertilize with 10-10-10 at 400/acre.
4. Lime as required to ph 6.5.

SEED SPECIES:

MIXTURE	LBS./ACRE
Rapidly germinating annual ryegrass (or approved equal)	20
Perennial ryegrass	20
Cereal oats	36

SEEDING:
Same as permanent vegetative cover

OWNER / OPERATOR CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Name (please print): ______________

Title: ______________

Date: ______________

Address: ______________

Phone: ______________

E-mail: ______________

Signature: ______________

MAINTENANCE SCHEDULE:

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE	——	——	INSP.	INSP.	CLEAN/ REPLACE	REMOVE
WHEEL CLEANER	CLEAN	——	——	——	REPLACE	REMOVE
INLET PROTECTION	——	INSP.	INSP.	CLEAN	REPLACE	REMOVE

CONTRACTOR CERTIFICATION STATEMENT

Certification Statement - All contractors and subcontractors as identified in a SWPPP, by the Owner or Operator, in accordance with Part III.A.5 of the SPDES General Permit for Stormwater Runoff from Construction Activity, GP-0-15-002, dated January 29, 2015, Page 10 of 40, shall sign a copy of the following Certification Statement before undertaking any construction activity at the Site identified in the SWPPP:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the Qualified Inspector during a site inspection. I also understand that the Owner or Operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") General Permit for Stormwater Discharge from Construction Activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

Individual Contractor: ______________

Name and Title (please print): ______________

Signature of Contractor: ______________

Company / Contracting Firm: ______________

Name of Company: ______________

Address of Company: ______________

Telephone Number / Cell Number: ______________

Site Information: ______________

Address of Site: ______________

Today's Date: ______________

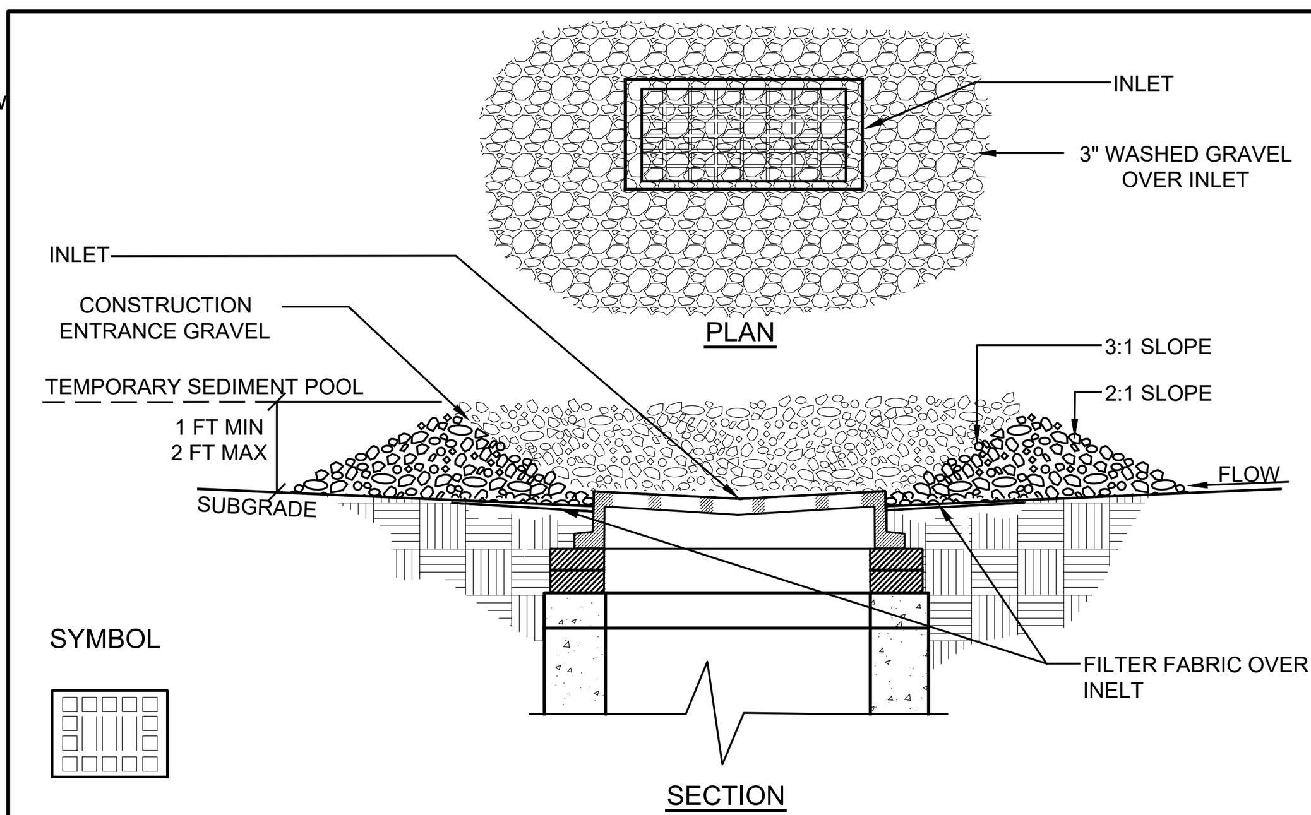
Construction Sequence

Refer to the Plan Set for all plans and details which relate to Construction Sequence.

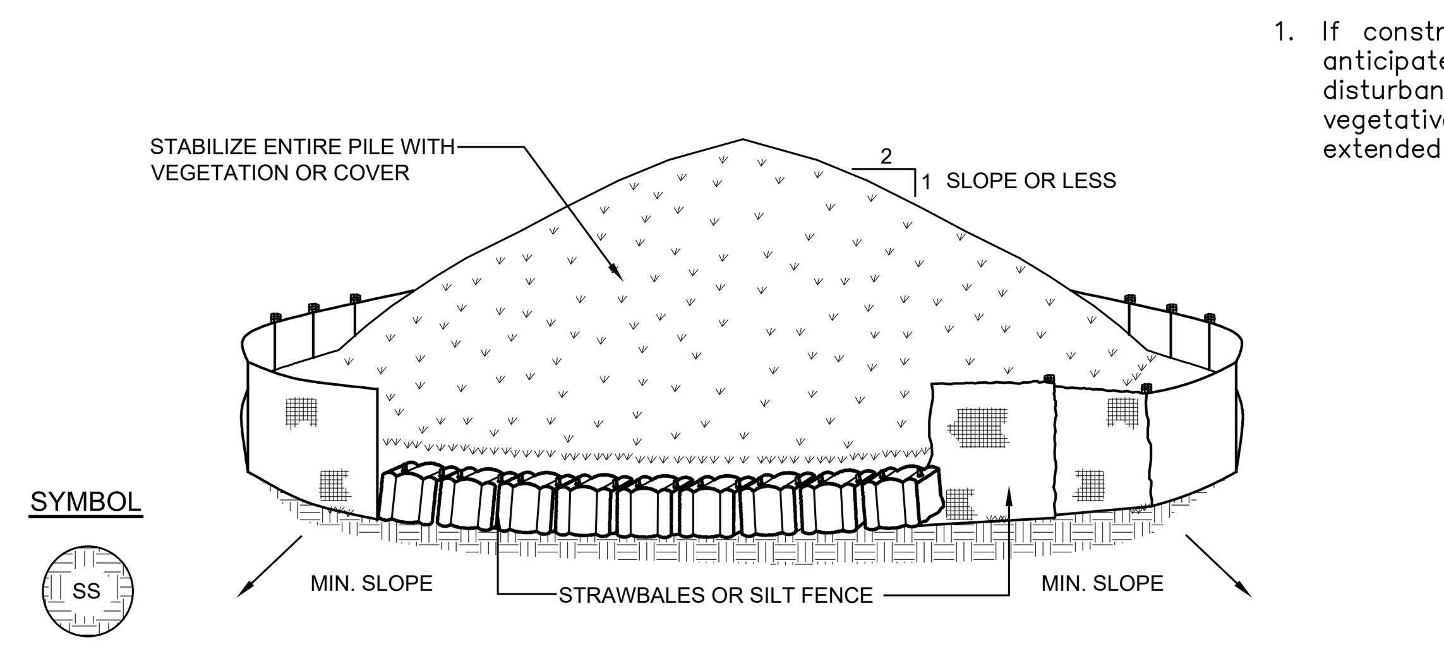
1. A licensed surveyor must define infrastructure locations, limits of disturbance, stormwater basin limits, and grades in the field prior to start of any construction. Limits of disturbance shall be marked with the installation of construction fence or approved equal.
2. Install all perimeter erosion control measures, construction entrance as shown on the Erosion and Sediment Control Plan and the associated Details.
3. Cut and clear trees within work area. Timbered trees, wood chips, and stumps shall be removed off-site. Strip site and place topsoil in stockpile locations shown on the plan. Demolish existing building and other existing improvements including Driveway, walkways, walls, and pavings.
4. Start construction of project access points, set-up staging areas and install anti-tracking pads as shown on Erosion and Sediment Control Plan.
5. Begin rough grading the site. Contractor to limit exposure of denuded soils by providing temporary stabilization for work areas that will remain undisturbed for over seven (7) days.
6. Rough grade driveway and building.
7. Begin excavation of building foundations, wall, and utilities. Protect open excavations. Where applicable, place fill on the up-slopes and side edges of fill area. Fill should be pushed in place and stabilized with tracking perpendicular to the slope. Place soil stockpiles in locations shown on the Erosion and Sediment Control Plans and associated Details.
8. Begin construction of Building.
9. Upon completion of foundation, backfill to grade and immediately stabilize areas that will not receive traffic or disturbance within seven (7) days.
10. Begin the excavation and installation of utilities and drainage system. Protect trenches and open excavations from erosion. All drainage inlets shall be protected from sediment entering. There shall be no direct unfiltered discharge into the stormwater systems. The stormwater outlet shall be blocked until all upstream areas have been permanently stabilized.
11. During building and site construction maintain and re-establish as required erosion control and stabilization measures as required by the site plan and details.
12. Install base course of Item 4 for driveway. Stabilize all open areas with seed and mulch.
13. Construct remainder of driveway. Install asphalt pavement, and Flagstone walkway. Once asphalt is installed, drainage outlet may be unblocked.
14. Backfill, grade, place final soil topping and put in place permanent vegetative cover over all disturbed areas, landscape beds, slopes, etc.
15. Once site stabilization has taken place (An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements), remove all temporary erosion and sediment controls.

Winter Stabilization Notes:

1. If construction activities are expected to extend into or occur during the winter season the contractor shall anticipate proper stabilization and sequencing. Construction shall be sequenced such that wherever possible areas of disturbance that can be completed and permanently stabilized shall be done by applying and establishing permanent vegetative cover before the first frost. Areas subject to temporary disturbance that will not be worked for an extended period of time shall be treated with temporary seed, mulch.

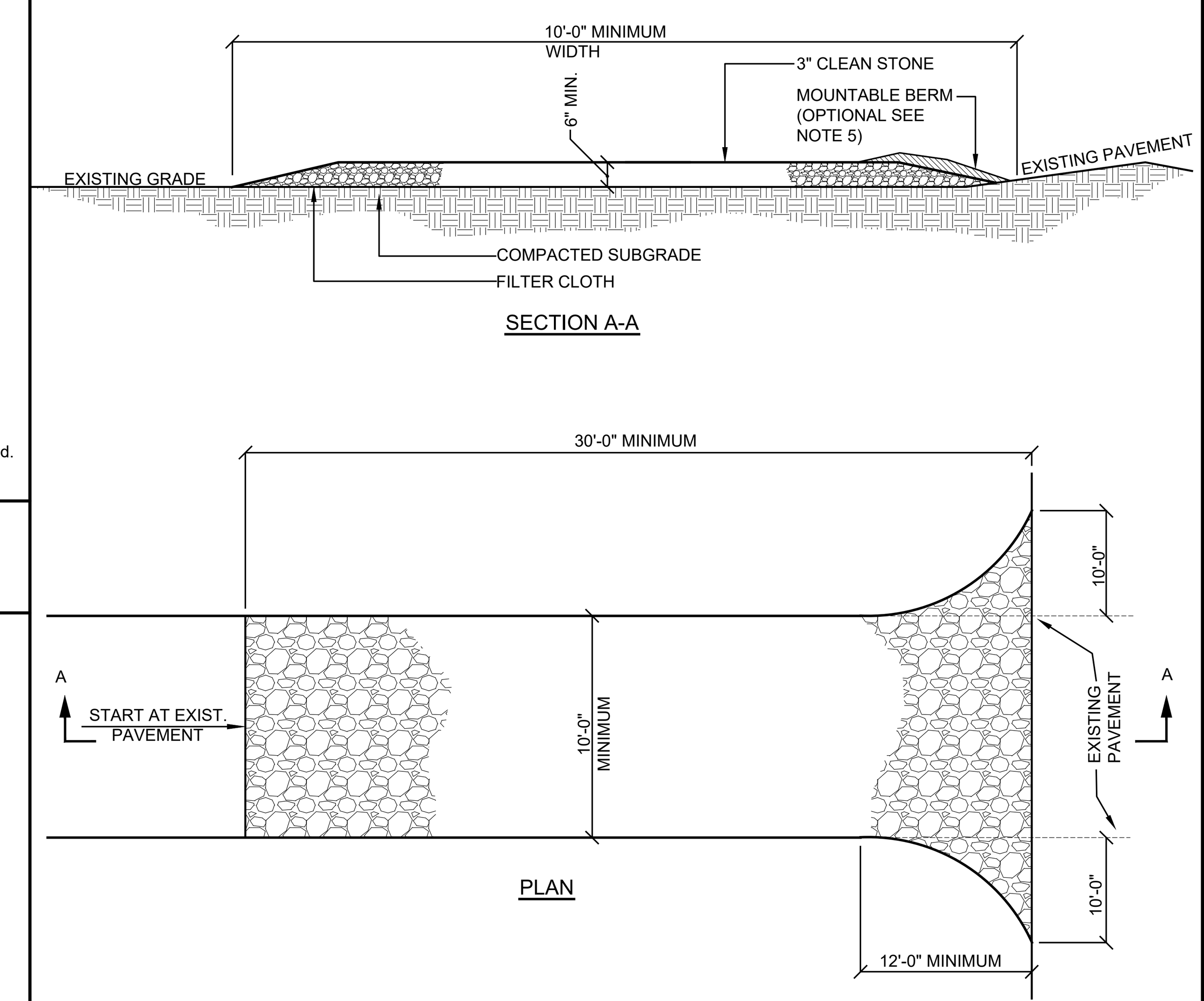


E-1 INLET PROTECTION DETAIL
NOT TO SCALE



NOTES:
1. Area chosen for stockpiling operations shall be dry and stable.
2. Maximum slope of stockpile shall be 1:2.
3. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
4. See detail for installation of silt fence.

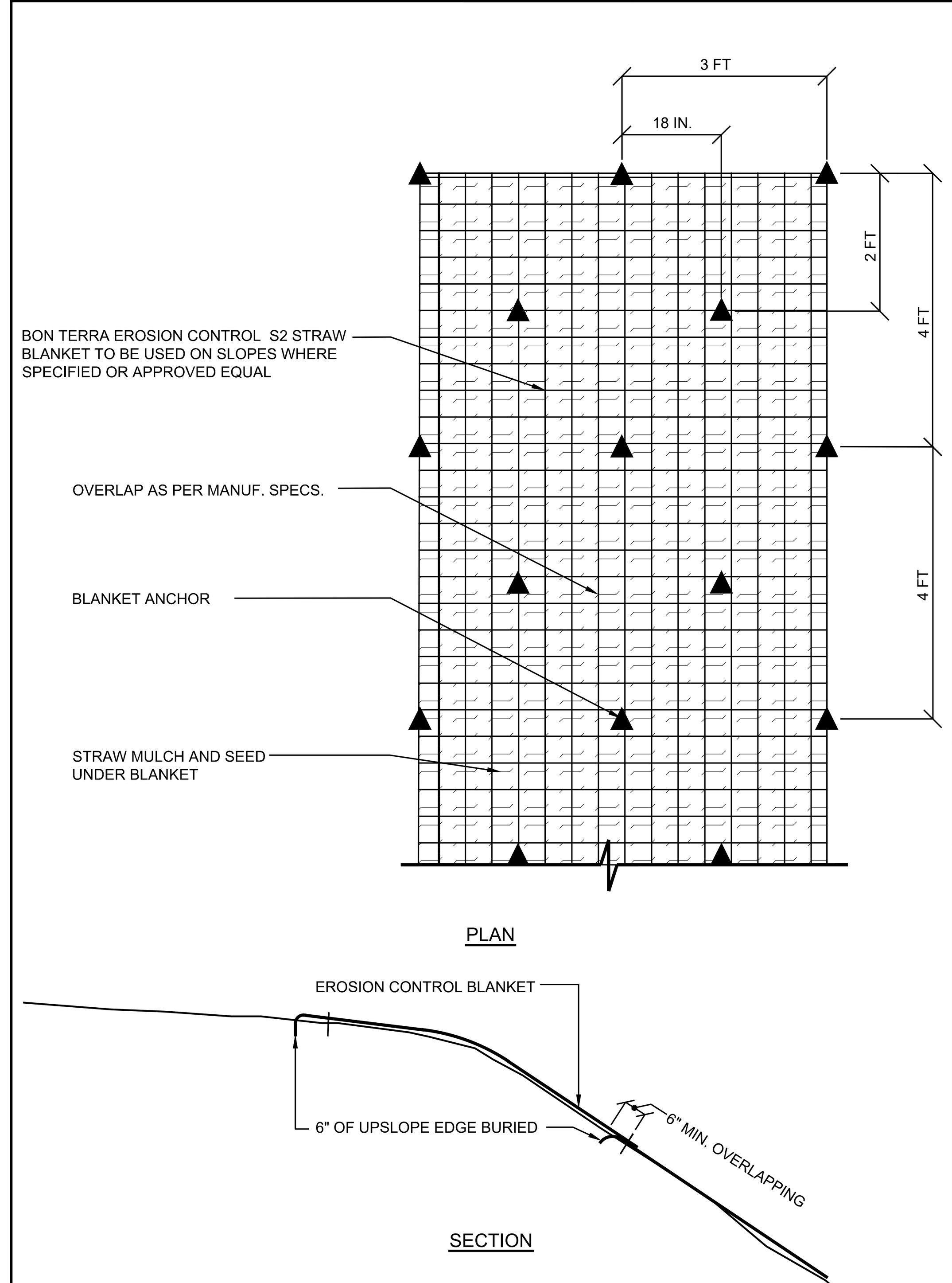
E-2 SOIL STOCKPILE DETAIL
NOT TO SCALE



INSTALLATION NOTES:
1. Stone size - use 3" min. Stone, or reclaimed or recycled concrete equivalent.
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 - 10 foot minimum, but not less than the full width at points where ingress or egress occur. 24 ft if single entrance to site.
5. 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.
6. 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 cleanouts of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right of way must be removed immediately.
7. 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.
8. Periodic inspection and needed maintenance shall be provided after each rain

SYMBOL

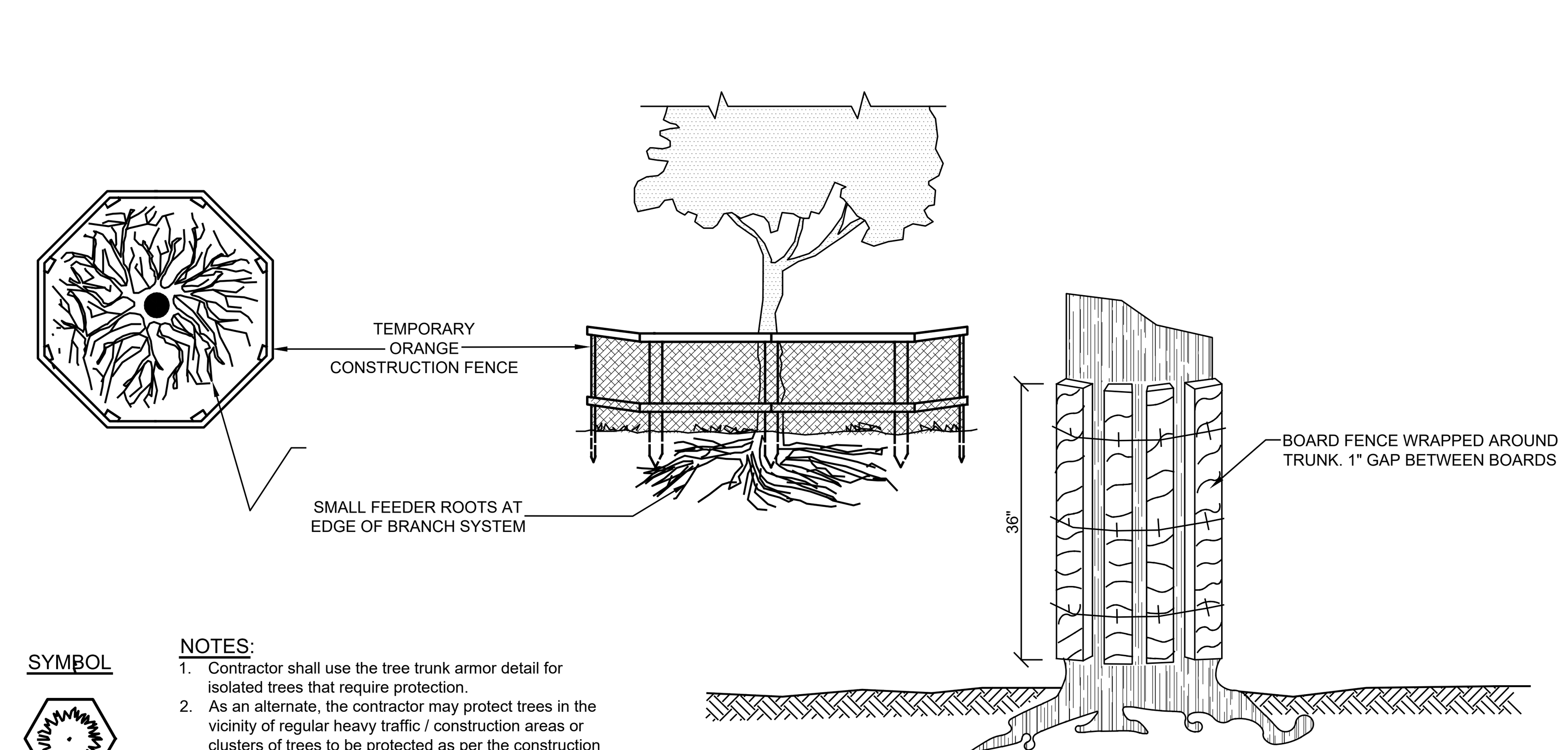
E-5 STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



SYMBOL (EB)

NOTES:
1. Erosion blankets shall be used to stabilize all graded and / or disturbed slopes exceeding a slope of 1v : 2h.
2. Anchor pattern: 2.5 anchors / sy for : 2.5h : 1v < slopes < 1h : 1v).
3. U - shaped wire staples, metal geotextile pins, triangular wooden or plastic stakes can be used to anchor blanket to the ground surface.

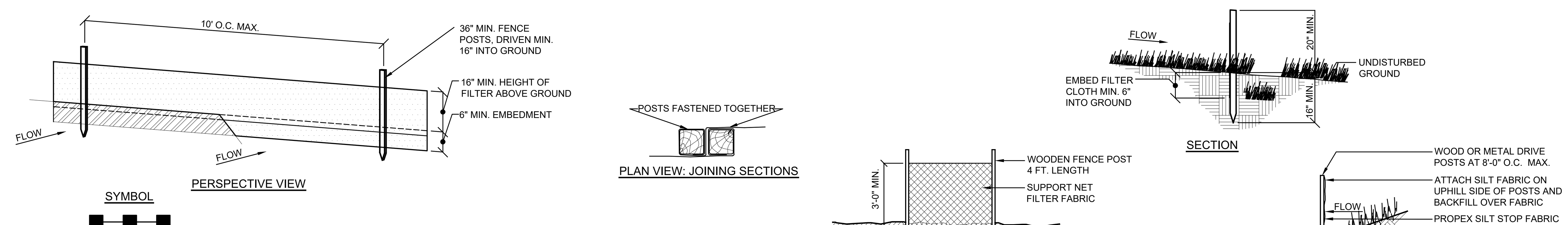
E-3 EROSION BLANKET AND ANCHOR DETAIL
NOT TO SCALE



SYMBOL

NOTES:
1. Contractor shall use the tree trunk armor detail for isolated trees that require protection.
2. As an alternate, the contractor may protect trees in the vicinity of regular heavy traffic / construction areas or clusters of trees to be protected as per the construction fence detail.

E-4 TREE TRUNK ARMOR / TREE PROTECTION DETAIL
NOT TO SCALE



NOTES:
1. Filter cloth to be fastened securely to post: steel either t or u type or 2" hardwood posts at top and mid section.
2. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be mirafi 100x, stabilinka t140n or approved equal
3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
4. Excavate 4 inch trench along the lower perimeter of the site.
5. Unroll a section at a time and position the post against the back (downstream) wall of the trench (net side away from direction of flow).
6. Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
7. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tamp the soil. Steeper slopes require an intercept trench.
8. Join sections as shown above.

E-6 SILT FENCE DETAIL
NOT TO SCALE

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PROJECT # 17-50

Engineer:
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Revisions:

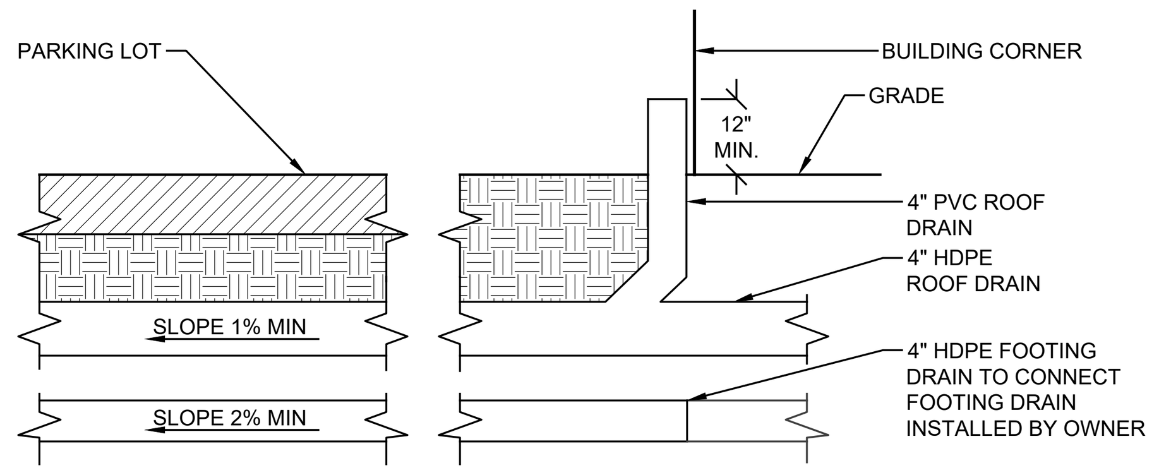
No.	Date	Comments:
1.	12-3-18	Driveway relocation
2.	2-01-19	House relocation

SCALE: N/A
DRAWN BY: MD
DATE: 9-18-18

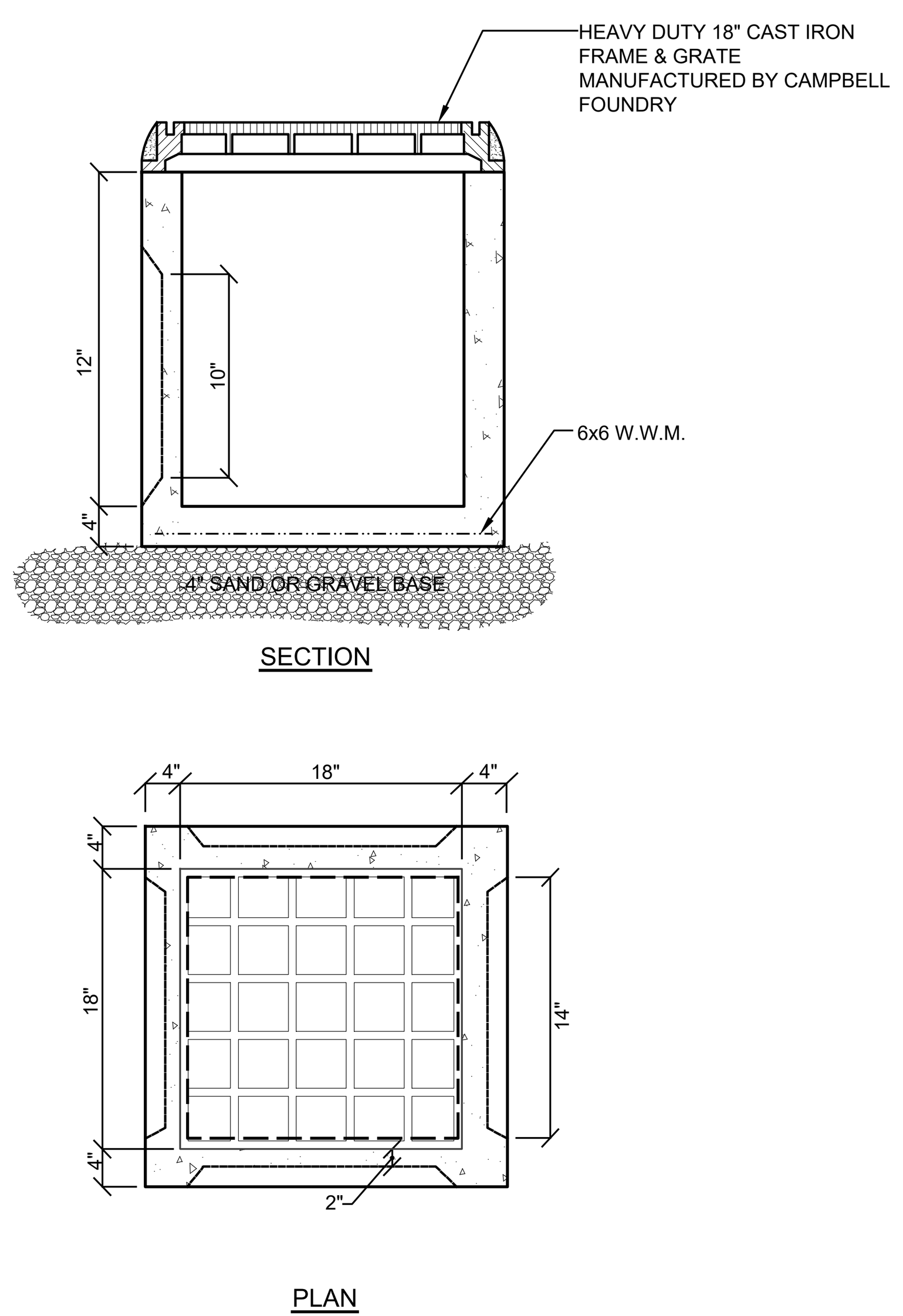
EROSION & SEDIMENT CONTROL DETAILS

SITE PLAN
PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown Westchester County, NY

Sheet 4 of 7

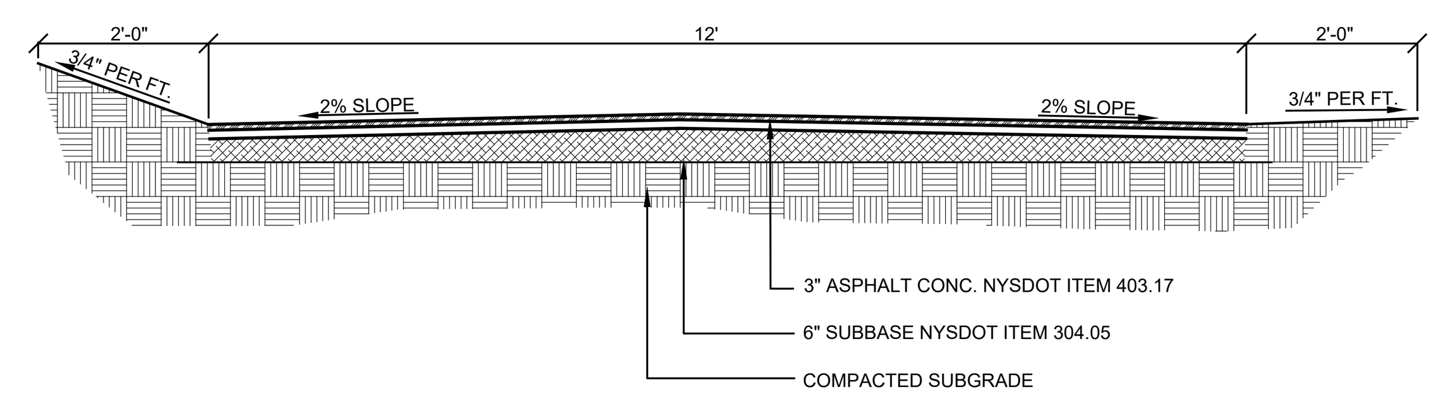


D-1 ROOF & FOOTING DRAIN CONNECTION DETAIL
NOT TO SCALE

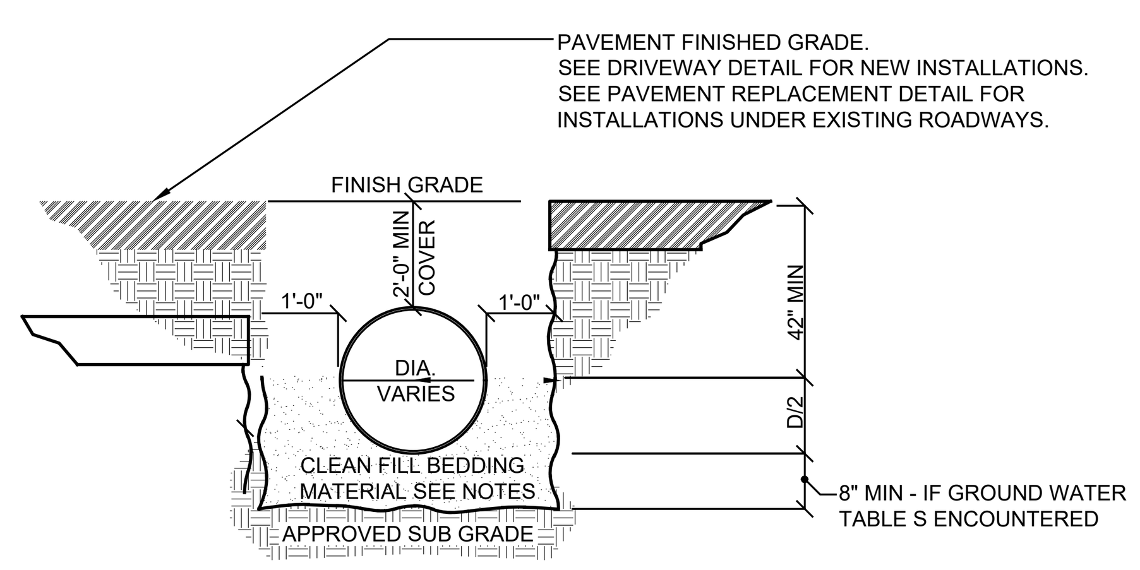


NOTES:
1. All pipes must be cut flush with inside walls.
2. Drain manhole shall be precast as manufactured by Fort Miller, or approved equal.
3. Where depth of manhole exceeds 10 ft, inside dimension shall be 60".
4. Pre-cast sections shall be in accordance with "Pre-cast Reinforced Manhole Sections", A.S.T.M. designation C-478, latest revision. Minimum compressive strength shall be 4000 psi. Structures shall be rated for h-20 vehicle loading.

D-2 PRECAST DRAIN INLET DETAIL
NOT TO SCALE

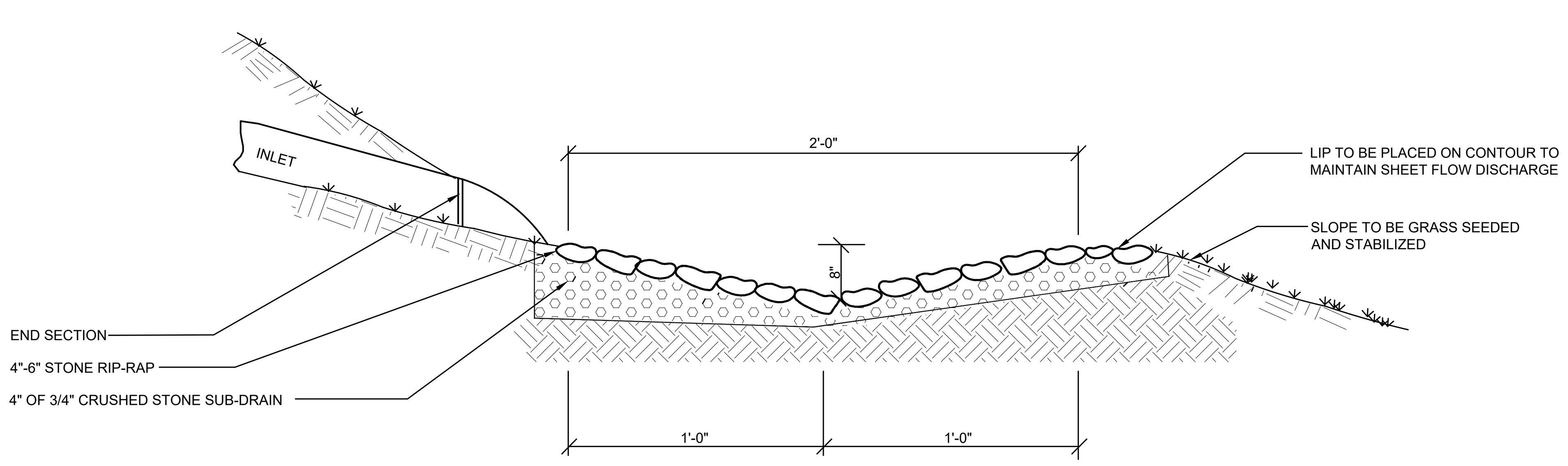


R-1 TYPICAL DRIVEWAY SECTION
NOT TO SCALE



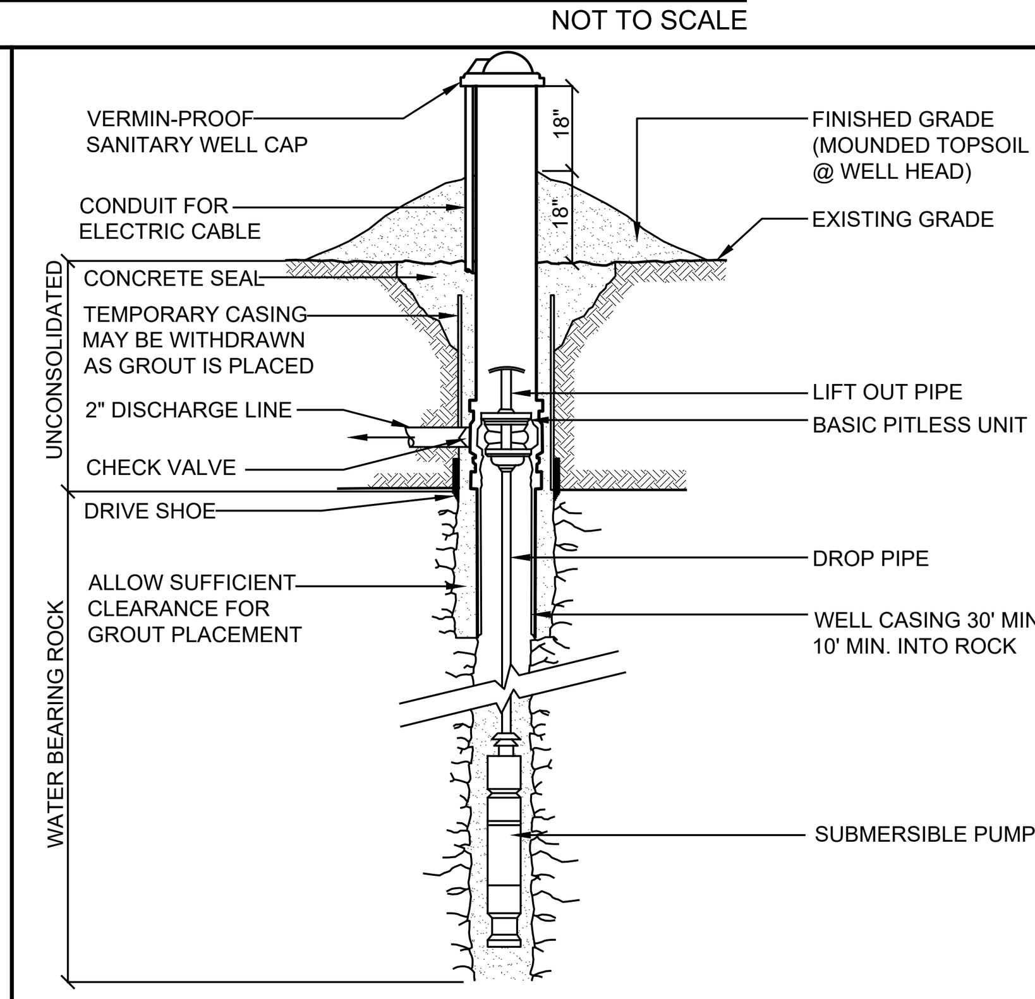
NOTES:
1. Pipe shall be laid and connected in the bedding which shall consist of:
   A. Compacted existing subsoil when laid above ground water or;
   B. 3/4" crushed stone when laid below ground water.
2. If subsoil is determined to be unsuitable by the Engineer, all unsuitable material shall be removed for at least 2'-6" below the pipe invert or twice the pipe diameter, whichever is greater, and replaced with compacted bedding material.

D-3 STORM PIPE BEDDING DETAIL
NOT TO SCALE



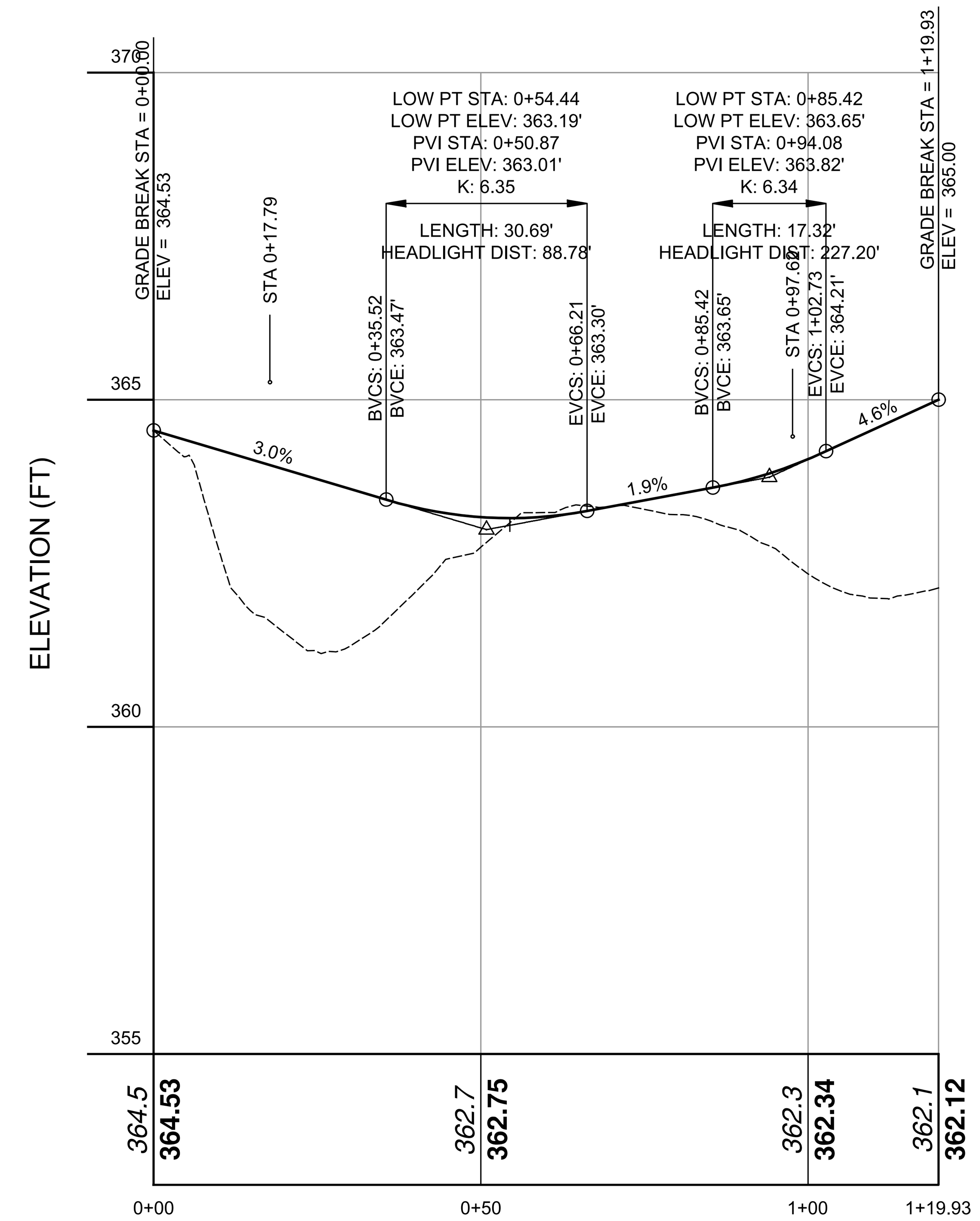
NOTES:
1. The foundation area shall be cleared of trees, stumps,sod, loose rock, or other objectionable materials.
2. The cross section shall be evacuated to the neat lines and grades shown on the plans. Over excavated areas shall be backfilled with moist soil compacted to the density of the surrounding material.
3. Filter,bedding, and rock riprap shall be placed to line and grade in the manner specified.
4. No abrupt deviations from design grade or horizontal alignment shall be permitted.
5. Construction operations shall be done in such a manner that erosion, air and water pollution will be minimized and held within legal limits. All disturbed areas shall be vegetated or otherwise protected against soil erosion.

SW-1 STONE RIP-RAP LEVEL-LIP SPREADER DETAIL
NOT TO SCALE



NOTES:
1. The top of the well casing shall be set a minimum of 2 ft above the 100 yr high-water level or 18 " above finished ground surface, whichever is greater.
2. A minimum of 4 feet of cover shall be provided over the water service line.

S-1 DRILLED WELL DETAIL
NOT TO SCALE



PROPOSED DRIVEWAY
VERT. SCALE: 1" = 2'
HORIZ. SCALE: 1" = 20'

PROJECT # 17-50

Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com

Engineer:
STATE OF NEW YORK · JOSEPH CARLO RIINA · LICENSED PROFESSIONAL ENGINEER · No. 064431
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions: No.	Date	Comments
1.	12-3-18	Driveway relocation
2.	2-01-19	House relocation

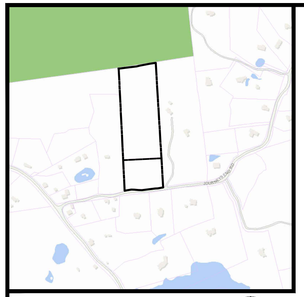
SCALE: N/A
DRAWN BY: MD
DATE: 9-18-18

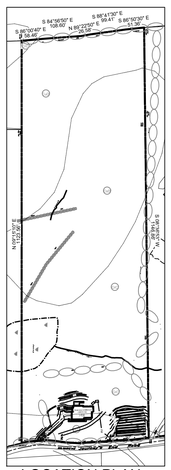
DETAILS

SITE PLAN
PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown, Westchester County, NY

Sheet 5 of 7

F:\2017\17-50 VICTOR CONTE - JOURNEY'S END ROAD\ENGINEERING\CAD\CD-17-50 VICTOR CONTE\17-50 CONTE SITE-SEPTIC 2-3-19.DWG 1/16/2017 3:19:52 PM





SITE DATA:

OWNER / DEVELOPER:	VICTOR CONTE 1420 JOURNEY'S END ROAD CROTON-ON-HUDSON, NY, 10520
PROJECT LOCATION:	1550 JOURNEYS END ROAD CROTON-ON-HUDSON, NY, 10520
EXISTING TOWN ZONING:	R1-200, ONE-FAMILY RESIDENTIAL
PROPOSED USE:	R1-200, ONE-FAMILY RESIDENTIAL
TOWN TAX MAP DATA:	SECTION 69.06, BLOCK 1, LOT 10
SITE AREA :	9.09 ACRES (396,091 SF)
SEWAGE FACILITIES:	SSTS
WATER FACILITIES:	PRIVATE WELL
WATERSHED:	CROTON RIVER BASIN

LOCATION MAP
NOT TO SCALE

SEPARATION DISTANCES FROM WASTEWATER SOURCES

WASTEWATER SOURCES	DRILLED WELL (AT HIGHER ELEVATION)	TO STREAM LAKE WATERCOURSE (B)(C) OR WETLAND	DWELLING	PROPERTY LINES
HOUSE SEWER (WATERTIGHT JOINTS) (CIP, DIP, OR SIMILAR)	25'	25'	---	10'
SEPTIC TANK	50'	50'	10'	10'
EFFLUENT LINE TO DISTRIBUTION BOX	50'	50'	10'	10'
DISTRIBUTION BOX	100'	100'	20'	10'
ABSORPTION FIELD	100' (A)	100'	20'	10'
SEEPAGE PIT	150' (A)	100'	20'	10'
DRY WELL (ROOF & FOOTINGS)	50'	25'	20'	10'

NOTES:

A. Wells located in the general path of drainage of a SSTS must be located 200 feet or more away. All public water supply wells must be 200 feet from absorption fields or seepage pits.
B. Mean high water mark of defined stream or lake.
C. NYSDEC Wetland.
D. Trees: There shall be no trees within 10 feet of SSTS.
E. Dry Wells not allowed above a SSTS.

ADDITIONAL SEPERATION DISTANCES FROM SSTA TO:

1. Dry Well	50 feet (horizontal or below)
2. Piped Drainage	25 feet
3. Open Channel Drainage	50 feet
4. Curtain Drain (upgrade from SSTS)	15 feet
5. Curtain Drain (downgrade from SSTS)	50 feet

SWIMMING POOLS:

1. A minimum distance of 50 feet shall be maintained between any uphill SSTA (including 100% grade replacement area) and any downhill in-ground pool.
2. A minimum distance of 20 feet shall be maintained between the pool and any portion of the sewage treatment area in all other directions.
3. Above ground pools shall not be located over or within 10 feet of the SSTA, including the 100% replacement area.

DECKS:

1. The minimum seperation distance for deck support posts (pilings, sonotubes, etc.) to the absorption field is 10 feet and all tanks used in the SSTS (septic tanks, pump chambers, overflow tanks or pits) is 5 feet.
2. This provision also supplies to the deck around and above ground pool.
3. In all circumstances, access to the tanks for repairs and pump-outs shall not be compromised by the deck installation.

LOCATION PLAN
SCALE: 1" = 200'

NOTE:

1. *THIS IS NOT A SURVEY.* ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY BADEY & WATSON, SURVEYING & ENGINEERING, P.C., DATED 4/28/05, LAST REVISED 8/12/05. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

GENERAL NOTES:

1. A written permit and/or approval issued by the WCHD to construct an individual sewerage system shall terminate and therefore be null and void unless construction is undertaken within one (1) year of the date of issuance.
2. If for any reason the approved construction plan cannot be followed, a revised plan must be prepared, submitted and approved by the WCHD.
3. All construction to be in accordance with these plans and last revised set of WCHD Rules and Regulations
4. All SSTS and wells shall be located in the exact location as shown on this plan unless otherwise authorized by the WCHD.
5. Existing wells and SDS shown on this map were installed prior to approval date and are not part of this approval.
6. All laundry and kitchen wastes shall be discharged into the SSTS.
7. No cellar, roof or footing drains shall be discharged into the SSTS or within 25' of any well.
8. The WCHD shall be notified WITHIN 24 HOURS prior to the backfilling of any completed SSTS so that a final inspection can be made. Upon completion of any backfilling, the area shall be covered with a minimum of 4" of topsoil, seeded and mulched.
9. Prior to commencement of operation, a Certificate of Compliance must be applied for and received from WCHD.
10. The proposed SSDS shall be isolated and protected against damage by erosion, storage of earth or materials, displacement,compaction or other adverse physical change in the characteristics of the soil or in the drainage of area
11. Proposed septic area to be kept free of traffic and debris during house construction and install adequate drainage to prevent erosion after septic is installed.
12. Any modifications or deviations from this plan must be approved by the Design Engineer and WCHD prior to construction.
13. The Engineer shall not be held responsible or held accountable for the integrity of any structures constructed or under construction prior to the approval of the plans.
14. All conditions, locations, and dimensions shall be field verified and the Engineer shall be immediately notified of any discrepancies.
15. All written dimensions on the drawings shall take precedence over any scaled dimensions.
16. The Design Engineer shall supervise the construction of the SSTS and make an open works inspection.
17. The Design Engineer disclaims any liability for damage or loss incurred during or after construction.
18. The Contractor must have a valid license from the WCHD.
19. Contractor to verify all substructures encountered during construction.
20. The Contractor shall supervise and direct the work using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the contract.
21. The Contractor shall be responsible to the owner for the acts and omissions of his employees, subcontractors, and their agents and employees, and any other persons performing any of the work under a contract with the Contractor.
22. Unauthorized alterations or additions to this drawing is a violation of Section 7209 (2) of the New York State Education Law.
23. Survey and topographical information shown hereon prepared by surveyor: J HENRY CARPENTER & CO.

SEPTIC CONSTRUCTION REQUIREMENTS:

1. The construction of the septic system shall meet all requirements of the latest publications and amendments of "The Westchester County Health Department Rules and Regulations for The Design and Construction of Residential Subsurface Sewage Treatment Systems and Drilled Wells in Westchester County" and "The Rules and Regulations of The New York State Department of Health" as set form in 10 NYCRR, Part 75, Appendix75-A.
2. The Westchester County Health Department approval expires one year from the date on the approval stamp and is required to be renewed on or before the expiration date. The approval is revocable for cause or may be amended or modified when considered necessary by the department.
3. All work performed including new installations, repairs, relocations, etc. shall have all current required permits or approvals.
4. No regrading in SSTS area except as shown on this plan.
5. Boulders, if any on surface of ground shall be cleared away prior to construction of the SSTS.
6. The house sewer to tank connection shall be a minimum 4" diameter at a minimum slope of 2.0%. The pipe shall be cast iron, ductile iron, or sewer grade PVC. All materials shall comply to the NYS Uniform Fire Prevention and Building Code(9NYCRR). The house trap shall have a cleanout and fresh air intake having a minimum diameter of one-half.
7. If cover exceeds 2 ft over any installed tank or chamber, a manhole and collar to grade is required for access. Minimum requirement of 6-12" of cover over all tanks and chambers.
8. Absorption Fields to be constructed of 4" perforated PVC pipe or equal, encased in crushed stone over pipe with standard precast junction boxes at influent connection and 4" solid PVC pipe running from septic tank outlet to and between junction boxes.
9. Minimum Trench Depth = 18", Trench Width = 24".
10. Total depth of stone in trench = 12" (washed gravel 3/4" to 1 1/2").
11. Maximum backfill over trench - 14".
12. All septic field laterals shall be of equal length (60' max. w/o dosing) and parallel to contours at a slope rate of 1/16" per foot. With dosed/pumped systems the max. length shall be 100'.
13. All pipes connecting to tank and boxes shall be cut flush with the inside wall of box.
14. PVC pipe to meet minimum standards of ASTM D-2729.
15. Absorption trenches shall not be installed or backfilled in wet, frozen, frost or snow covered soils.
16. Backfill material for the trenches shall contain no particles with any dimension greater than 4". Backfill septic material must be inspected and approved by the WCHD before installation.
17. No laterals shall be placed beneath a driveway or paved areas.
18. End caps to be placed at end of all 4" perforated P.V.C. pipe in absorption fields.
19. R.O.B. gravel and impervious material to be inspected and approved by the Design Engineer prior to installation of the proposed system. Fill shall contain no particles greater than 4" in diameter. Fill shall be placed over expansion area where shown as required by WCHD.
20. Fill stabilization may not be achieved by mechanical compaction Only by a natural settling, for a period required by W.C.H.D. which may include a freeze-thaw cycle. Percolation tests must be done in stabilized fill and must meet the design rate.
21. Prior to submission of Certificate of Compliance to WCHD, fill section must be stabilized with grass seed and hay cover.

WCHD/DEC NOTES:

1. The design professional shall supervise the construction of the SSTS and make an open works inspection.
2. Within 24-hours of the completion of the SSTS, the design professional must notify the Westchester County Department of Health that the SSTS is ready for inspection by submitting a completed request for an open works inspection on the appropriate form to the Department.
3. There are no DEC wetlands, streams, ponds etc. with in 200' of SSTS.
4. There is 29,050 sqft of proposed disturbance.
5. There are no existing or proposed wells within 100 feet of the proposed SSTS nor within 200 feet in the line of drainage.
6. Estimated construction and completion date: June 2018 to June 2019.
7. There are no reservoirs, reservoir stems or controlled lakes within 500 feet of the proposed OWTS unless otherwise shown on plan.
8. NYCDEP must be contacted at least two (2) days prior to start of construction of the OWTS so that the NYCDEP may inspect and monitor the installation.

PRIVATE DRILLED WELL CONSTRUCTION REQUIREMENTS:

1. All water supply drilled wells may not be constructed without a valid permit issued by the WCHD. Wells shall constructed in accordance with NYSDOH and WCHD standards.
2. Wells must be sited to meet all minimum restrictive distances. Wells must be sited as per plan. Any deviation must be approved by the Engineer and, if required, by the WCHD.
3. There are no sources of contamination within 200' of the proposed well (where new wells are proposed).
4. The top of the well must be 18" above finished grade which shall slope away in all directions to provide positive drainage.
5. Minimum well yield shall be 5 gpm based on a 6 hour pump test and have a minimum 42 gallon pressure tank. Yield tests below 5 gpm will require a special design(see WCHD standards). Well yields below 2 gpm are not acceptable.If a well yield of less than 5 gpm is encountered, contact the WCHD immediately.
6. Well locations shown on plan are based on setback requirments and does not guarantee adequate water supply. A hydrogeologist should be consulted for conformation of water supply, if desired.

MINIMUM RESTRICTIVE DISTANCES TO WELL:

1. Property Line	10 feet
2. Sewage System Tankage	50 feet
3. Foundation	10 feet
4. Swimming Pools	10 feet
5. Watercourse or Waterbody	50 feet
6. Absorption Trench	100 feet; 200 feet general path of drainage
7. Seepage Pit	150 feet; 200 feet general path of drainage
8. Tri-gallery, 4x4	150 feet; 200 feet general path of drainage
9. Flow Diffusor	100 feet; 200 feet general path of drainage

HEALTH DEPARTMENT SEPTIC SCHEDULE

LOT NO.	S.S.T.A. AREA (S.F.)	LOT AREA (S.F.)	TEST HOLE NO.	DEEP TEST PIT DESCRIPTION	TOTAL DEPTH	DEPTH TO WATER	DEPTH TO ROCK	PERCENT SLOPE AREA	PERC TEST NO.	PERC. RATE (MIN/IN)	DESIGN DATA: MIN. DESIGN RATE	APPLICATION RATE (GPD/SF)	NO. OF BEDROOMS	DESIGN FLOW RATE	TANK SIZE	PUMP TANK SIZE	DOSE AMOUNT	REQD. TRENCH LENGTH	BANK RUN FILL DEPTH	BANK RUN FILL VOLUME	CURTAIN DRAIN DEPTH	CURTAIN DRAIN LENGTH	REMARKS
10	5,200 S.F.	396,091 S.F.	TP-#1	6" T.SOIL, 6"-28" BR SAND & SILT, 28"-90" M-F SAND AND GRAVEL	7'-6"	——	——	13.5 %	PT-1	1-5 MIN.	6-7 MIN.	1.00	4 BRM	800 GPD	1250 GAL	1250 GAL	200 GAL	400 LF	2 FT (100% EXP. AREA ONLY)	178 CY (100% EXP. AREA ONLY)	——	——	1250 GAL PUMP TANK, DOSING REQ.
			TP-#2	6" T.SOIL, 6"-28" BR SAND & SILT, 28"-84" M-F SAND AND GRAVEL	7'-0"	——	——		PT-2	1-5 MIN.													
			TP-#3	6" T.SOIL, 6"-28" BR SAND & SILT, 28"-84" M-F SAND AND GRAVEL, ROCK @ 60"	5'-0"	——	5'-0"		PT-3	6-7 MIN.													

NOTE: Required trench length taken from table in WCHD Rules and Regulations. (Based on Perc Test)

SOILS CLASSIFICATIONS

TYPE	NAME	DESCRIPTION	HYDROLOGIC SOIL GROUP
CrC	CHARLTON-CHATFIELD	0 TO 15 PERCENT SLOPES, VERY ROCKY	B
CsD	CHATFIELD-CHARLTON	15 TO 35 PERCENT SLOPES, VERY ROCKY	B
CtC	CHATFIELD-HOLLIS-ROCK OUTCROP	0 TO 15 PERCENT SLOPES, VERY ROCKY	B
CuD	CHATFIELD-HOLLIS-ROCK OUTCROP	15 TO 35 PERCENT SLOPES, VERY ROCKY	D

0 10 20 40
SCALE: 1"=20'-0"

SAFE DIG
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Dig Safely. New York Call811 before you dig
CALL US TOLL FREE 811 or 1-800-962-7962
NY Industrial Code Rule 753 requires no less than two working days notice, but not more than ten days notice.
www.digsafelynewyork.com

PROJECT # 17-50

Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com

Engineer:
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions: No.	Date	Comments:
1.	6-6-18	H.D.Comm.
2.	6-22-18	DEP Comm.
3.	8-2-18	H.D. & DEP Comm.
4.	12-2-18	Driveway relocation
5.	2-01-19	House relocation

SCALE: 1" = 20'
DRAWN BY: MD
DATE: 11-3-17

SEPTIC PLAN

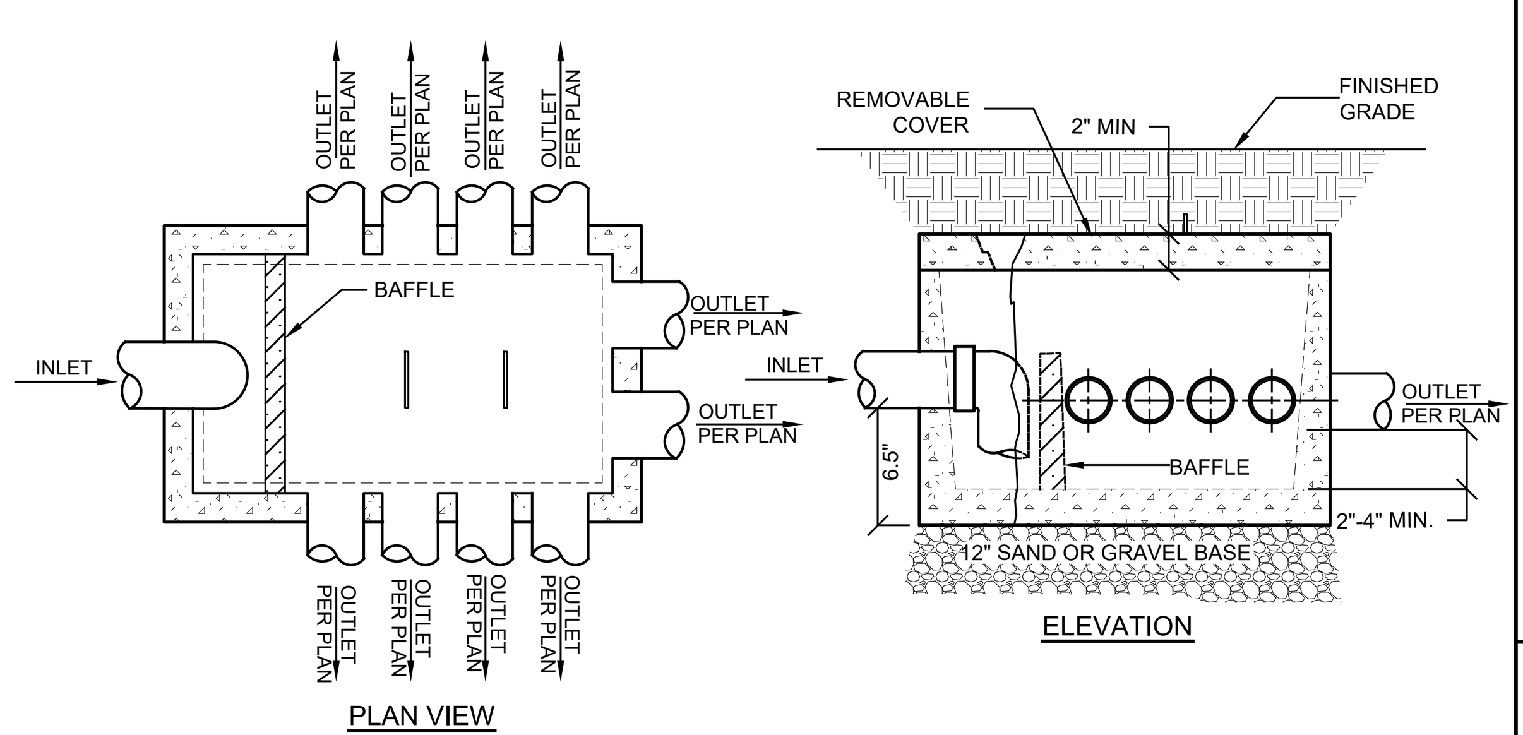
SITE PLAN
PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown
Westchester County, NY

Sheet 6 of 7

F:\2017\17-50 VICTOR CONTE - JOURNEY'S END ROAD\ENGINEERING\CAD\SD-17-50 VICTOR CONTE\17-50 CONTE SITE-SEPTIC 2-3-19.DWG 1/16/2017 3:19:52 PM

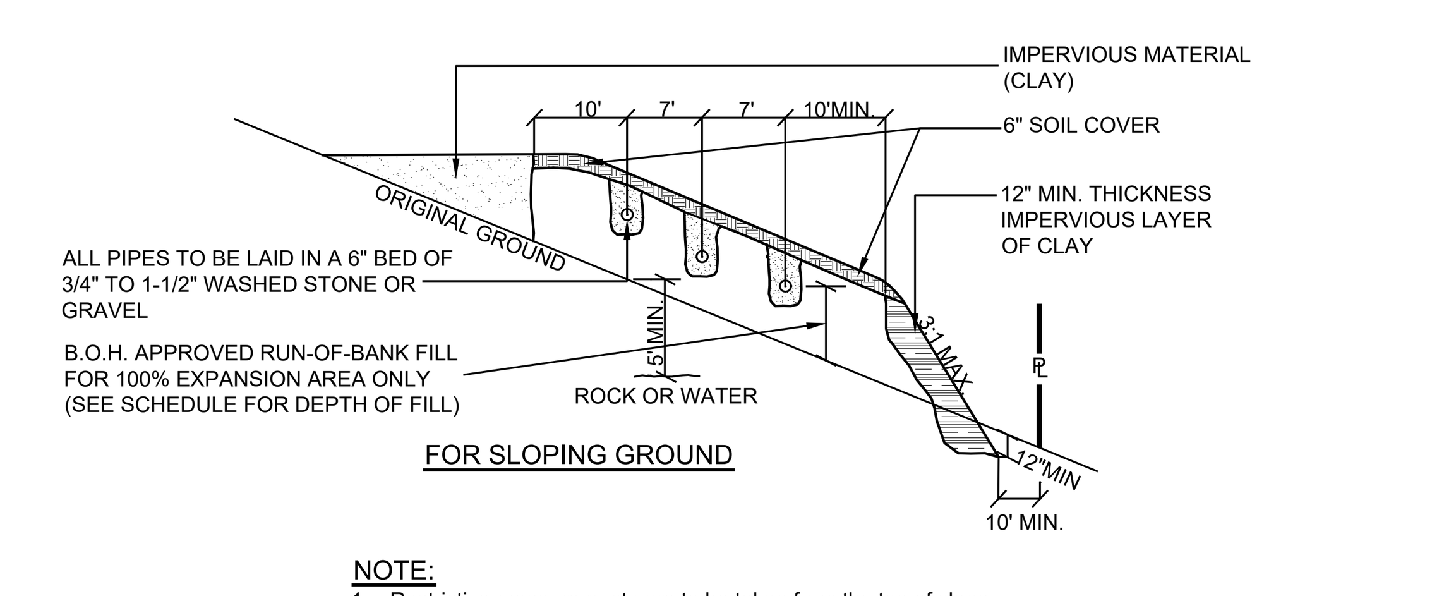
NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

S-1 DISTRIBUTION BOX DETAIL
NOT TO SCALE



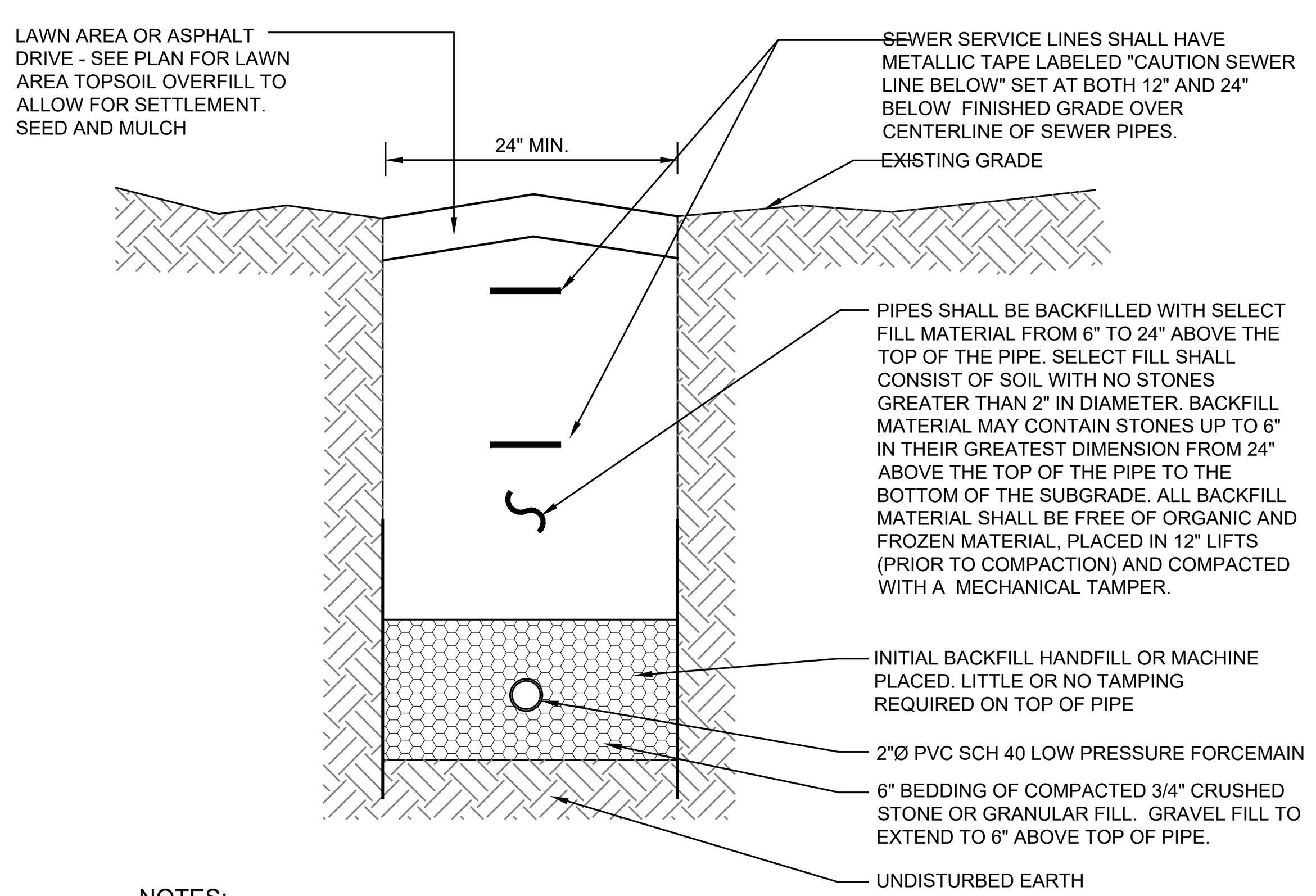
NOTES:
1. Bottom of distribution box must be level and firmly supported below frost line.
2. Distribution box footing to extend to 36" below ground level.
3. Distribution box shall be constructed of waterproofed masonry construction.
4. Tight joint pipe shall be used from septic tank to box and between all boxes.
5. Maximum cover above distribution boxes shall be 12 inches.
6. Distribution box shall have not less than two outlets with one outlet for each lateral.
7. All outlets shall be set at the same elevation.
8. Baffles to ensure equal distribution will be required.
9. All outlet pipes shall be cut flush with inside of distribution box.

S-4 TYPICAL FILL SECTION
NOT TO SCALE



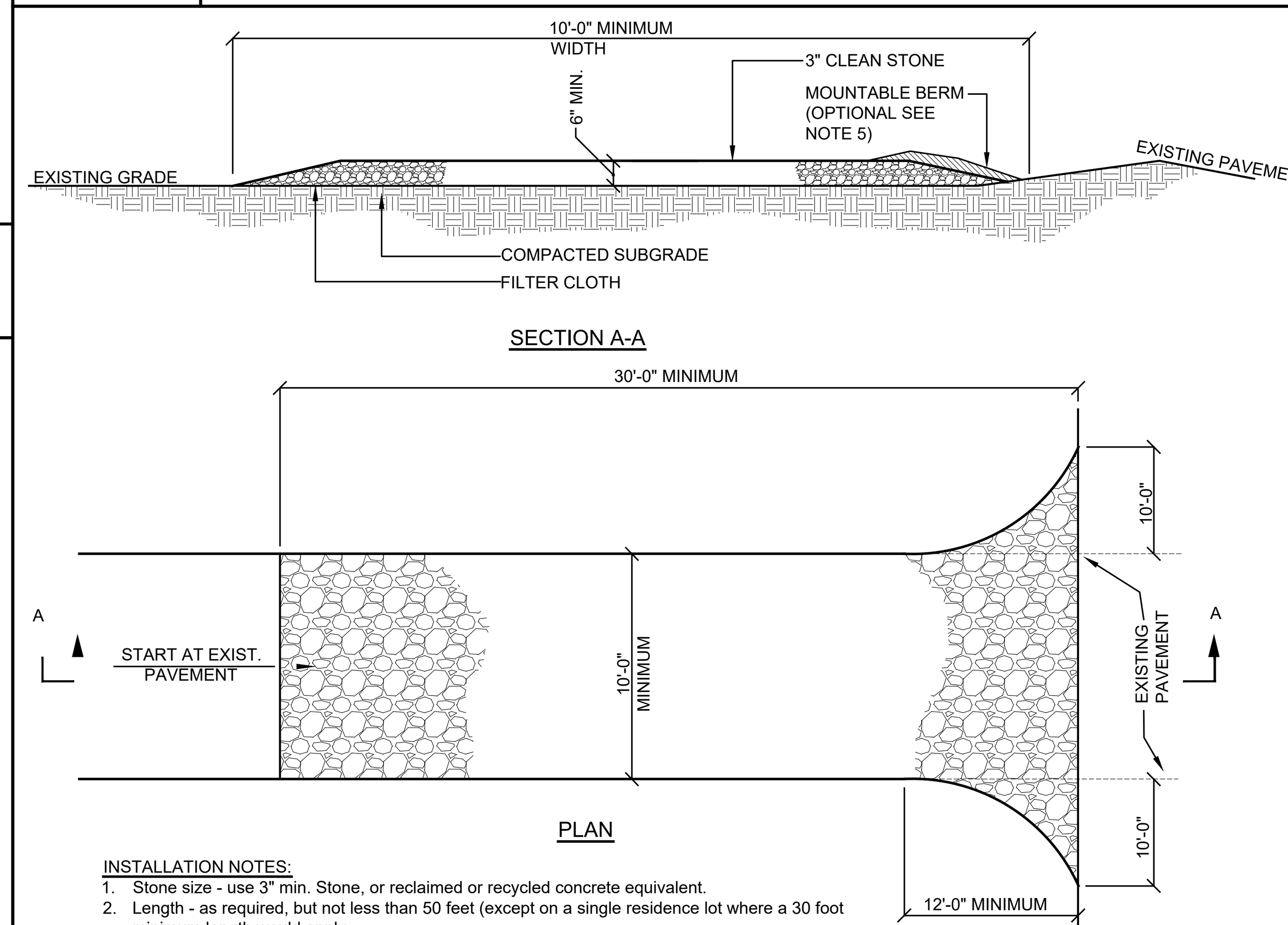
NOTE:
1. Restrictive measurements are to be taken from the toe of slope.

S-2 LOW PRESSURE FORCE MAIN DETAIL
NOT TO SCALE



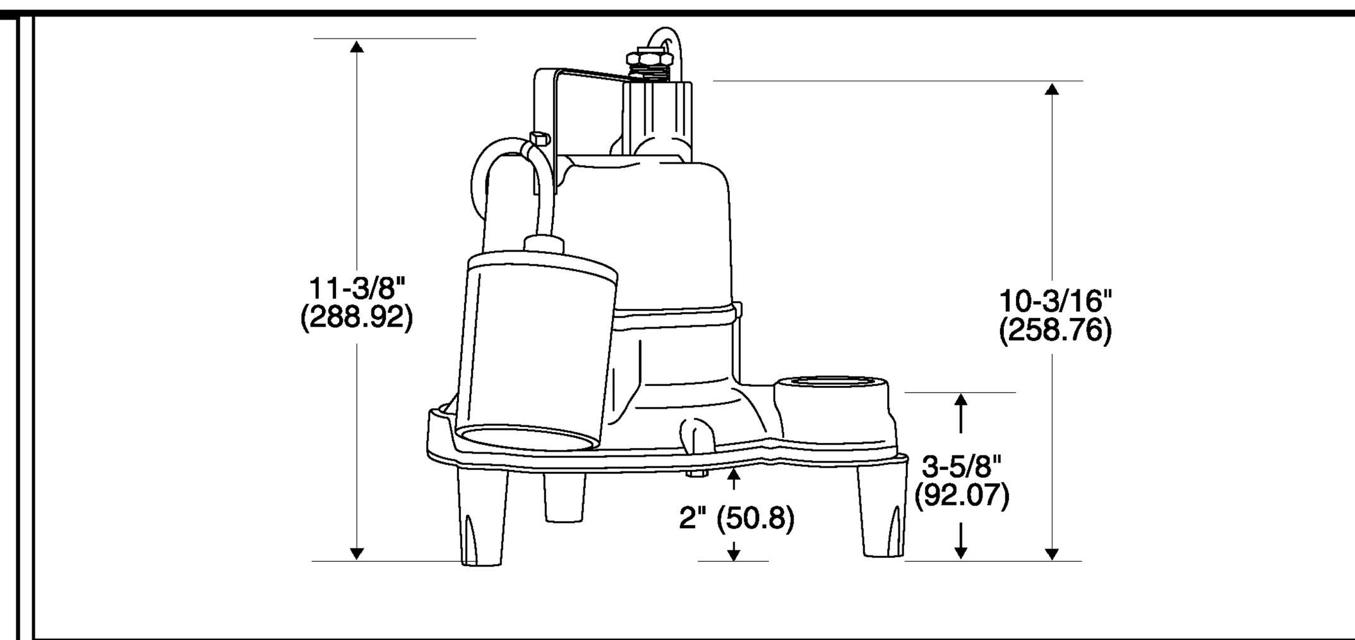
NOTES:
1. Forcemain to be installed in conformance with all applicable standards, and shall be tested to withstand 2.5 times the maximum operating pressure or a min. 50 psi test pressure for 2 hrs.
2. When the forcemain is installed in a fill section, crushed stone, gravel or approved structural fill shall be installed.

E-1 STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



INSTALLATION NOTES:
1. Stone size - use 3" min. Stone, or reclaimed or recycled concrete equivalent.
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 - 10 foot minimum, but not less than the full width at points where ingress or egress occur. 24 ft if single entrance to site.
5. 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.
6. 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 cleanouts of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right of way must be removed immediately.
7. 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.
8. Periodic inspection and needed maintenance shall be provided after each rain

P-1 HYDROMATIC SHEF-40 PUMP DETAIL
NOT TO SCALE



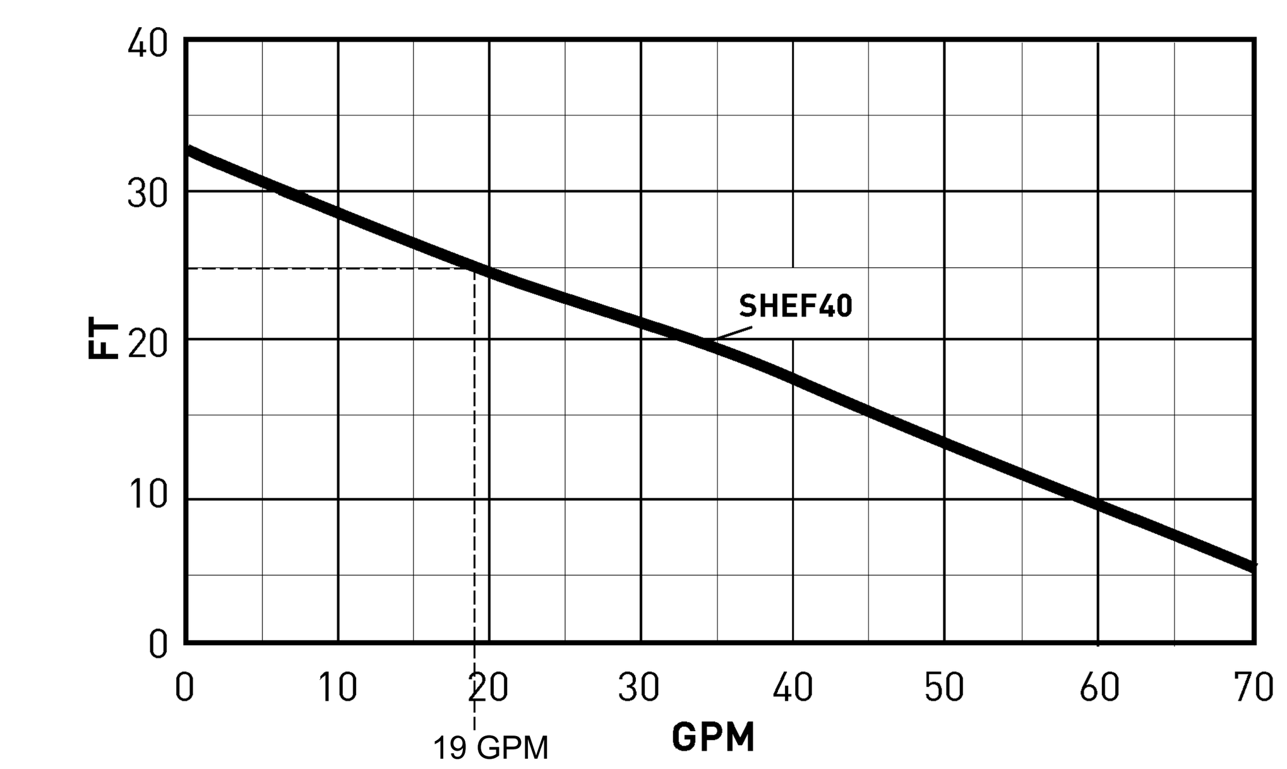
MODEL: SHEF40

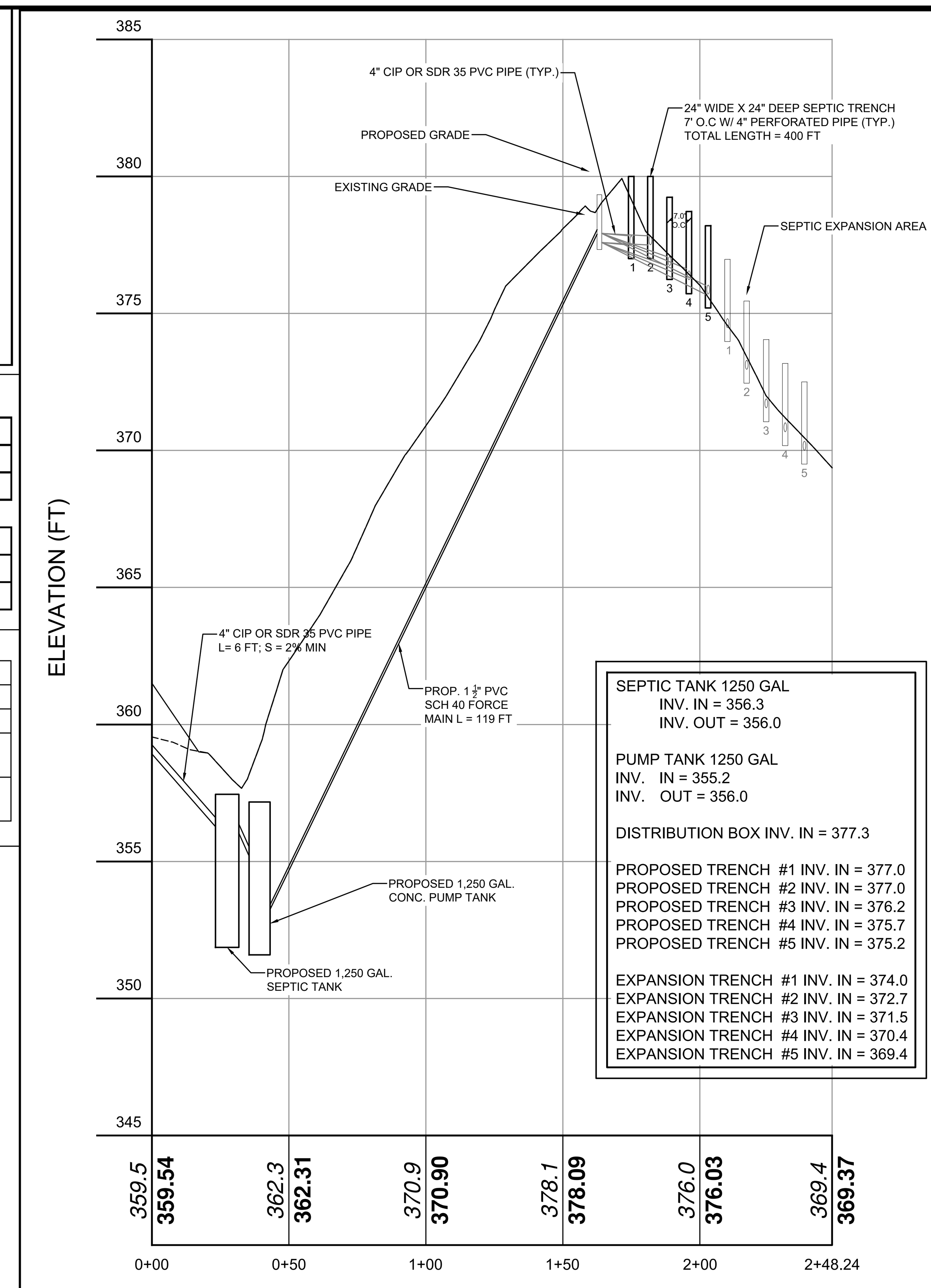
R.P.M.	1550
MOTOR TYPE	SHADED POLE WITH THERMAL OVERLOAD, OIL FILLED
MOTOR PROTECTION	AUTOMATIC RESET / OVERLOAD PROTECTED

HP	VOLTAGE	PHASE	NEC CODE	SERVICE FACTOR	FULL LOAD AMPS
4	115	1	-	1	12.0
	230				6.5

Physical Data

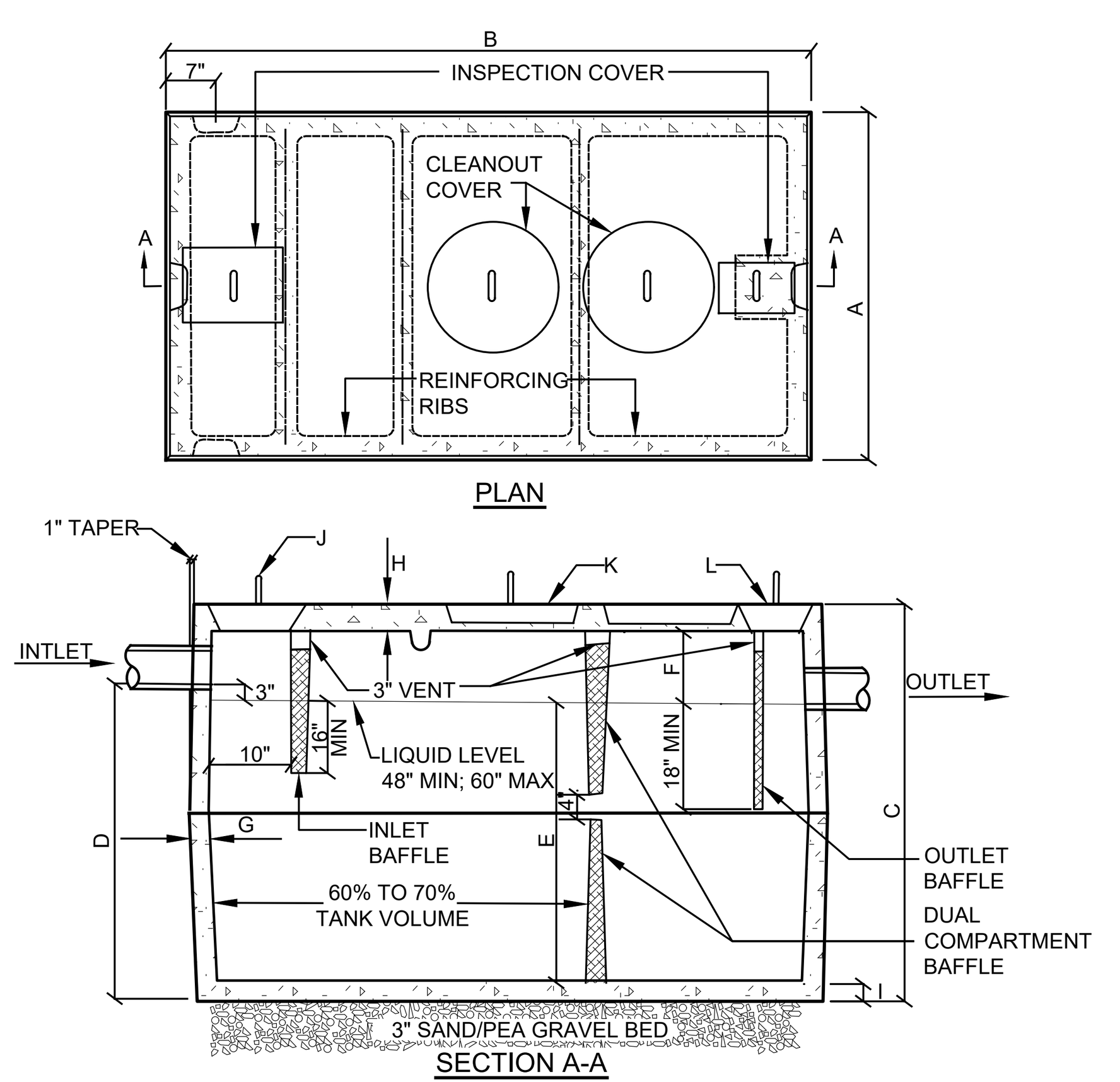
DISCHARGE SIZE	1 ½" NPT
SOLIDS SIZE	¾"
IMPELLER TYPE	VORTEX
CABLE LENGTH	10' STANDARD 20' OPTIONAL
PAINT	PAINTED AFTER ASSEMBLY, DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.





PROPOSED SEPTIC SYSTEM
VERT. SCALE: 1" = 4'
HORIZ. SCALE: 1" = 40'

S-3 PRECAST CONCRETE SEPTIC TANK DETAIL AND OVERFLOW TANK DETAIL
NOT TO SCALE

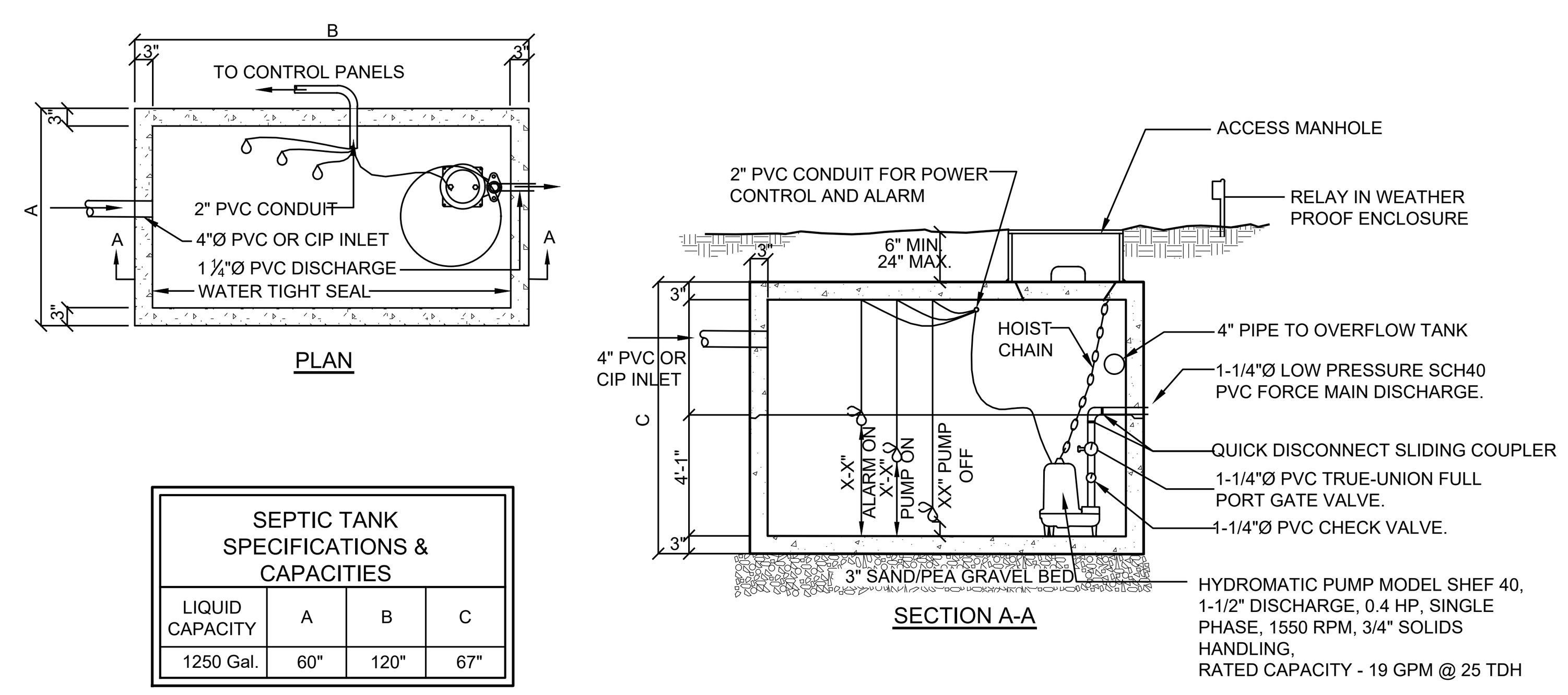


SEPTIC TANK SPECIFICATIONS & CAPACITIES												
LIQUID CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L
~~1,000 Gal.~~	~~58"~~	~~102"~~	~~67"~~	~~55"~~	~~48"~~	~~12"~~	~~3"~~	~~5"~~	~~4"~~	~~6"x9"~~	~~18"Ø~~	~~10"x14"~~
1,250 Gal.	60"	120"	67"	56"	48"	12"	3"	5"	4"	6"x9"	20"Ø min	10"x14"
~~1,500 Gal.~~	~~65"~~	~~126"~~	~~67"~~	~~56"~~	~~48"~~	~~12"~~	~~3"~~	~~5"~~	~~4"~~	~~6"x9"~~	~~18Ø~~	~~10"x14"~~
~~2,000 Gal.~~	~~78"~~	~~144"~~	~~67"~~	~~56"~~	~~48"~~	~~12"~~	~~3"~~	~~5"~~	~~4"~~	~~6"x9"~~	~~18"Ø~~	~~10"x14"~~

NOTE: Add 4" to H for H-20 Loading

NOTES:
1. The minimum required fill cover above the septic tank shall be 6 to 12 inches with a maximum cover depth of 24 inches. When required fill cover exceeds 24 inches, manhole extensions with steel frames and covers shall be installed and extended to finished grade. If the septic tank is rated for H-20 vehicle loading, the manholes, frames and covers shall be H-20 rated also.
2. The dual compartment baffle is required on all septic tanks with a length "B" equal to or greater than 10 feet.
3. For installations that require an overflow tank, a tank the same size as the septic tank shall be used. Dual compartment baffles are not required on overflow tanks regardless of the size.
4. All pipes connecting to the tank shall be cut flush with the inside wall.
5. Tank shall be manufactured by Mid Hudson Concrete Products, Inc.

S-5 PUMP CHAMBER DETAIL
NOT TO SCALE



SEPTIC TANK SPECIFICATIONS & CAPACITIES			
LIQUID CAPACITY	A	B	C
1250 Gal.	60"	120"	67"

PUMP CALCULATIONS:
TOTAL FLOW : 800 GAL. /DAY
LENGTH OF FIELDS: 400 L.F. W/24" TRENCHES
RATE OF PUMPING: BY DEMAND

HEAD LOSS CALCULATION:
TOTAL HEAD LOSS = STATIC LOSS + FRICTION LOSS
FROM DESIGN CALCULATIONS:
TDH = 24.6' + 0.4' = 25.0'

VOLUME TO BE PUMPED TO SYSTEM:
REQUIRED VOLUME = 0.5 GAL. / L.F. X 400 L.F.
= 200 GAL.
= 200 GAL./7.48 GAL./C.F. =26.74 C.F.

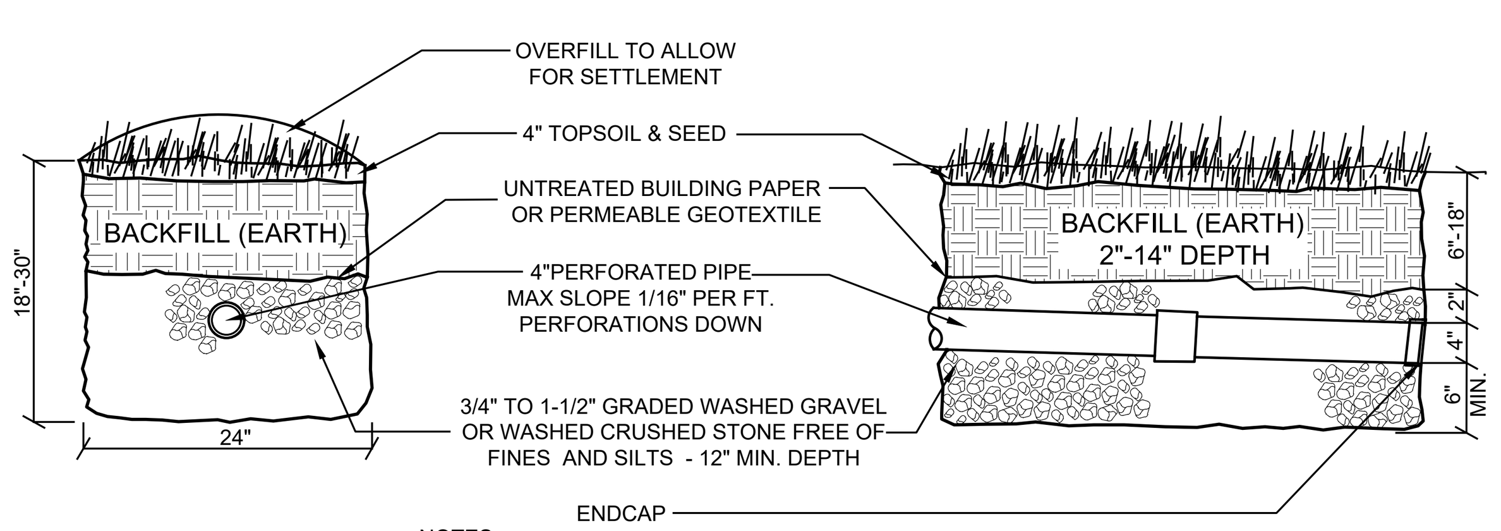
PUMP CHAMBER INTERIOR DIMENSIONS:
= 9.5' X 4.5' = 42.75 S.F PER FOOT OF HEIGHT

THEREFORE, REQUIRED DISTANCE BETWEEN ON/OFF FLOAT SWITCH:
= 26.74 C.F./ 42.75 S.F. PER FOOT
= 0.625' OR 0'-8"

DOSING CALCULATION:
400 LF x 0.5 GAL/LF = 200 GAL DOSING REQUIRED
9.5' L x 4.5'W x 7.5" DRAW = 26.7 CF = 200 GAL DOSE
WILL REQUIRE RESETTING FOR EXPANSION

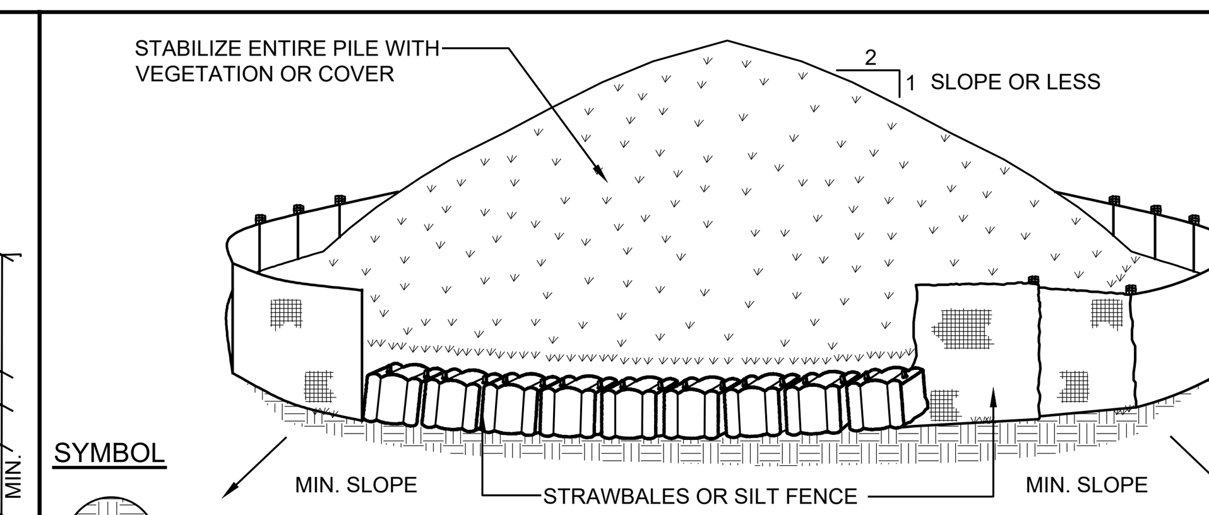
NOTES:
1. The minimum required fill cover above the pump chamber shall be 6 to 12 inches with a maximum cover depth of 24 inches. When required fill cover exceeds 24 inches, manhole extensions with steel frames and covers shall be installed and extended to finished grade. If the pump chamber is rated for H-20 vehicle loading, the manholes, frames and covers shall be H-20 rated also.
2. Pump shall be Hydromatic pump Model SHEF 40, 1-1/2" discharge, 4 HP, single phase, 1550 RPM, 3/4" solids handling, rated capacity of 19 GPM @ 25 Ft TDH.
3. Pump chamber as manufactured by Mid Hudson Concrete Products Inc.
4. Pump settings may vary for tanks whose dimensions differ from those shown above. Contractor shall notify engineer of any change.
4. All pipes connecting to the chamber shall be cut flush with the inside wall.
5. Contractor shall supply and install control / alarm panel within building basement or other approved location.
6. Electrical Underwriters Certificate is required for all installations.

S-6 PERFORATED PIPE TRENCH DETAIL
NOT TO SCALE



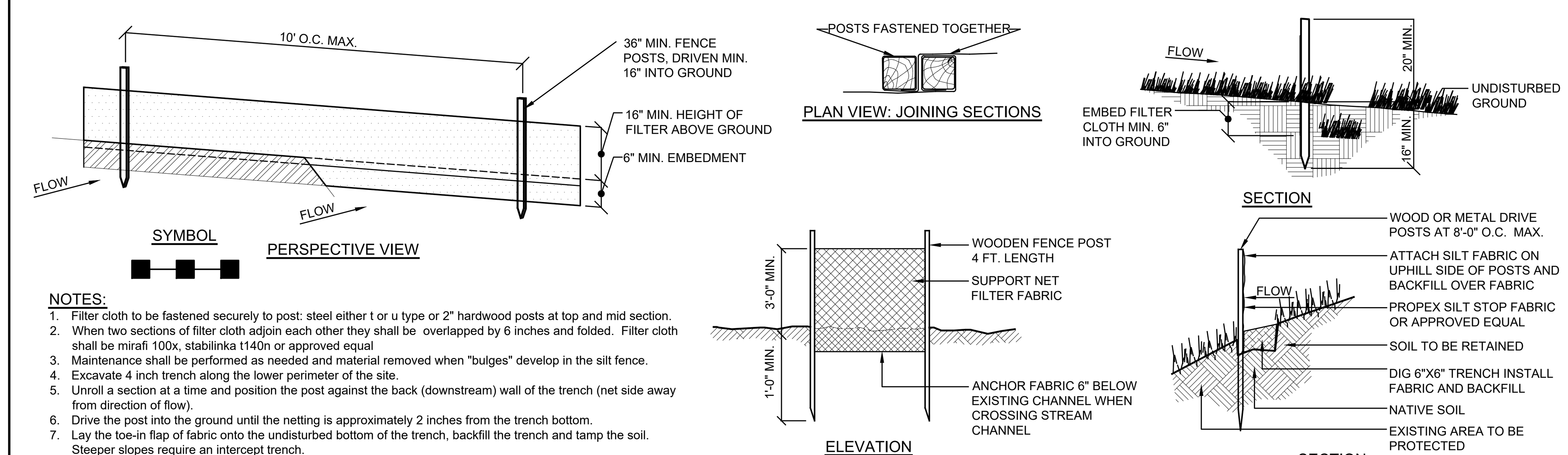
NOTES:
1. Ends of all trenches are to be capped.
2. Minimum 5' of soil between the bottom of absorption trench and presence of groundwater table and/or creviced rock.
3. Maximum slope, 4 inch gravity distribution lines (1/16" per ft) 0.5% maximum.
4. Maximum slope, when dosing is provided (1/32" per ft) 0.25% maximum.

E-2 SOIL STOCKPILE DETAIL
NOT TO SCALE



NOTES:
1. Area chosen for stockpiling operations shall be dry and stable.
2. Maximum slope of stockpile shall be 1:2.
3. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
4. See detail for installation of silt fence.

E-3 SILT FENCE DETAIL
NOT TO SCALE



NOTES:
1. Filter cloth to be fastened securely to post: steel either t or u type or 2" hardwood posts at top and mid section.
2. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be mirafi 100x, stabilinka t140n or approved equal
3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
4. Excavate 4 inch trench along the lower perimeter of the site.
5. Unroll a section at a time and position the post against the back (downstream) wall of the trench (net side away from direction of flow).
6. Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
7. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tamp the soil. Steeper slopes require an intercept trench.
8. Join sections as shown above.

PROJECT # 17-50

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Engineer:
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Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments:
1.	6-6-18	H.D. Comm.
2.	6-22-18	DEP Comm.
3.	8-2-18	H.D. & DEP Comm.
4.	12-2-18	Driveway relocation
5.	2-01-19	House relocation

SCALE: 1" = 20'
DRAWN BY: MD
DATE: 11-3-17

SEPTIC DETAILS

SITE PLAN
PREPARED FOR
CONTE HOMES, INC.
1550 JOURNEY'S END ROAD
Town of Yorktown Westchester County, NY