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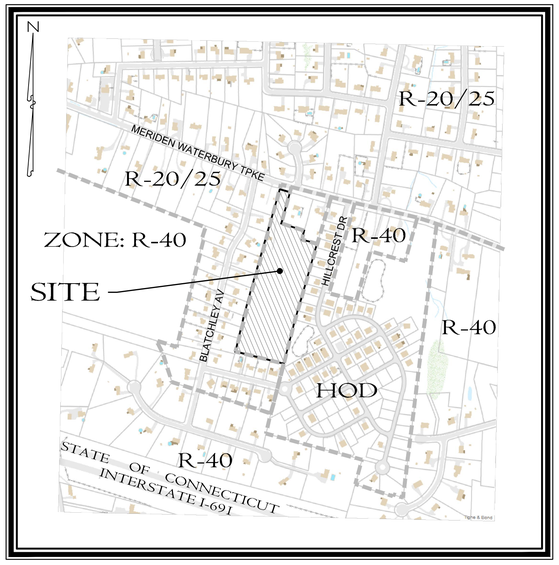
Highland Ridge
Active Adult Community

580 Meriden Waterbury Turnpike
Southington, Connecticut



KEY MAP

SCALE: 1"=500'

Sheet Index:

Applicant:

AA Denorfia Building & Development
133 Main Street
Southington, Connecticut

Property Owner:

Cecelia Docar
570 Meriden Waterbury Turnpike
Southington, Connecticut

Consultants:

Engineering & Surveying
Harry E. Cole & Son
P.O. Box 44 - 876 South Main Street
Plantsville, Connecticut 06489
Tel. (860) 628-4484 Fax (860) 620-0196

PREPARED FOR

AA Denorfia Building & Development

September 1, 2022

Revision Table

03	Oct. 31, 2022	Revised per Town Comments (Engineering Department Comments)	
02	Oct. 20, 2022	Revised Detention Basin & Water Department Comments	
01	Sept. 26, 2022	Revised per Town Comments	
	September 1, 2022	First Submittal Set	#2235

NAD 83
BLATCHLEY AVENUE
BLATCHLEY AVENUE
MERIDEN WATERBURY TURNPIKE
(STATE OF CONNECTICUT - ROUTE 322)
SULTANA TERRACE
PARCEL AREA
379,472 Sq.Ft.
8.71 Acres
RIP-RAP POOL & TWIN CULVERTS
Ian Cole, Professional Reg. Soil Scientist/Wetland Scientist
on November 10, 2021
CATTAIL SETTLING BASIN
Ian Cole, Professional Reg. Soil Scientist/Wetland Scientist
on November 10, 2021
EXISTING DETENTION POND
N/F MARY-ELLEN HOBSON
N/F MARIE L. ROBISON
N/F WILLIAM S. & LYNN M. LUDECKE
N/F FREDERICK J. TOMASSETTI III
N/F DEREK GROGG
N/F DANIEL CADY & SARAH RUDISILL
N/F MICHAEL PIPER
N/F JOSEPH J. & VALERIE STUBLAREC
N/F ERIC J. CERASALE
N/F RICHARD J. MCGRATH
N/F MICHAEL J. JR. & CLARIBEL MORIARITY
N/F KEVIN FIELDS
N/F THOMAS W. EDWARDS
N/F KATHLEEN A. & DAVID E. BRAYFIELD
N/F HILLCREST HOMES, LLC
N/F CHRISTINE M. CONROY
N/F BYRON TREADO IV & SARA ELIZABETH
N/F GREGORY & CHRISTINA WITHERELL
N/F ROBERT & ALEXANDRA HARTMAN
N/F ASHISH DHARIA
N/F DALE M. & MICHELLE L. PETTENSKI
N/F JENNIFER TULACRO
N/F MATTHEW & LISA RAMSAY
N/F KELSEY A. THOMASON
N/F CHRISTOPHER D. SMITH & DANIELLE D. SPLAWSKI
Ex. House #570
Ex. House #113
Ex. House #105
N12° 44' 48"E 358.28'
N14° 30' 20"E 100.77'
N14° 33' 59"E 99.99'
N14° 58' 03"E 298.71'
N15° 02' 33"E 120.41'
N15° 10' 07"E 191.68'
S15° 01' 15"W 299.38'
S76° 46' 08"E 115.37'
S13° 47' 11"W 319.25'
S13° 47' 08"W 66.02'
S14° 57' 47"W 66.00'
S15° 05' 40"W 66.00'
S15° 05' 40"W 66.00'
N77° 29' 20"W 78.30'
N77° 29' 20"W 85.00'
N77° 29' 20"W 85.00'
N77° 28' 15"W 100.29'
LEGEND
= Existing utility pole
= Existing light pole
= Existing fire hydrant
= Existing water valve
= Existing gas valve
= Existing underground pipe
= Existing edge of pavement
= Existing bituminous concrete lip curb
= Existing well
= Existing sanitary manhole
= Existing utility box
= Existing contour
= Existing spot elevation
= Existing iron pin
= Existing drill hole
= Existing monument
= Existing catch basin
= Existing drainage manhole
DATE
REVISION
To the best of my knowledge and belief, this map is substantially correct as noted hereon.
#70145
Stephen M. Giudice, L.S.
Reg. No.
NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO
PROPERTY & TOPOGRAPHIC SURVEY MAP
Prepared For
AA DENORFIA BUILDING & DEVELOPEMENT, LLC
570 Meriden Waterbury Turnpike
Southington, Connecticut
December 8, 2021
Scale: 1" = 40'
F.B. #:
PROJECT #: 2235
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HARRY E. COLE & SON
engineering. surveying. planning.
876 South Main Street
P.O. Box 44
Plantsville, CT 06479 - 0044
Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PLANT LIST

SYM.	QYT.	SCIENTIFIC NAME	COMMON NAME	CONDITION
STREET TREES				
	22	ACER RUBRUM	RED MAPLE	8 FEET IN HEIGHT & 2.5" CALIPER
		PRUNUS AMERICANA	AMERICAN PLUM	
		PRUNUS SARGENTII (flowering)	SARGENT CHERRY	
		TILIA CORDATA	LITTLE LEAF LINDEN	

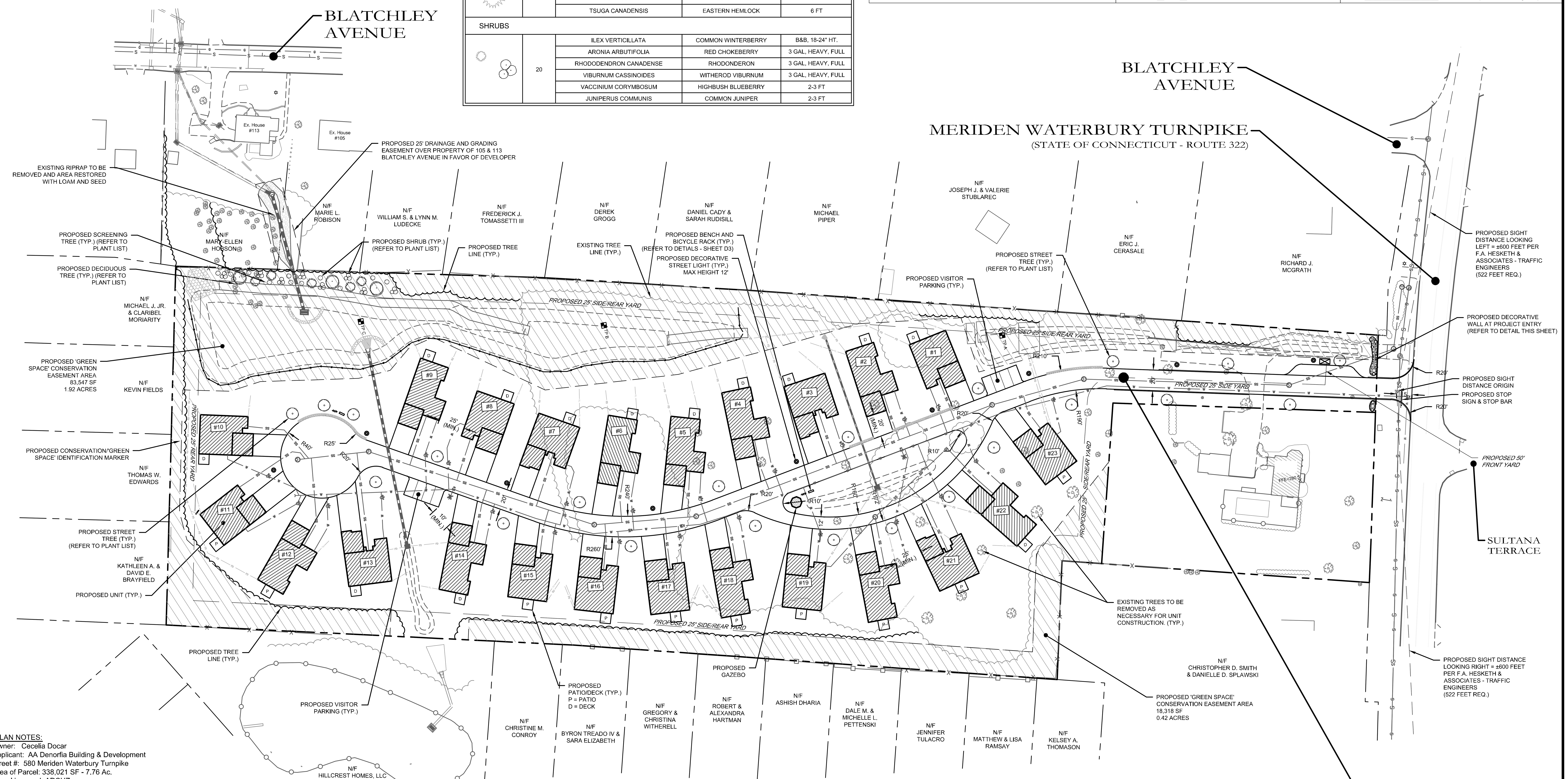
1. STREET TREES REQUIRE MIN. OF 2.5" CALIPER. STREET TREE LOCATIONS ARE INDICATED ON THE PLAN.
   1.1. THERE SHALL BE 1 TREE PER 50 FEET OF ROADWAY (SPREAD TREES OUT TO APPROX. 50 FT ON CENTER)
   1.2. 1,100 FEET OF ROADWAY = 22 TREES
2. THE ABOVE LIST DOES NOT INCLUDE ANY SPECIES LISTED ON THE CONNECTICUT INVASIVE PLANT LIST AND NO PLANT ON THIS LIST SHALL BE PLANTED ON SITE.

PLANT LIST

SYM.	QYT.	SCIENTIFIC NAME	COMMON NAME	CONDITION
STREET/SHADE TREES				
	3	ACER RUBRUM	RED MAPLE	2" CALIPER
		ACER SACCHARUM	SUGAR MAPLE	
		PRUNUS AMERICANA	AMERICAN PLUM	
		PRUNUS SARGENTII (flowering)	SARGENT CHERRY	
		TILIA CORDATA	LITTLE LEAF LINDEN	
SCREENING TREES				
	5	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS	6 FT
		PICEA RUBENS	RED SPRUCE	6 FT
		TSUGA CANADENSIS	EASTERN HEMLOCK	6 FT
SHRUBS				
	20	ILEX VERTICILLATA	COMMON WINTERBERRY	B&B, 18-24" HT.
		ARONIA ARBUTIFOLIA	RED CHOKEBERRY	3 GAL, HEAVY, FULL
		RHODODENDRON CANADENSE	RHODONDERON	3 GAL, HEAVY, FULL
		VIBURNUM CASSINOIDES	WITHEROD VIBURNUM	3 GAL, HEAVY, FULL
		VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	2-3 FT
		JUNIPERUS COMMUNIS	COMMON JUNIPER	2-3 FT

LEGEND

- = Existing utility pole
- = Existing light pole
- = Proposed Light
- = Existing fire hydrant
- = Proposed fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing treeline
- = Existing edge of pavement
- = Proposed curbing
- = Existing/Proposed well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- = Proposed catch basin
- = Proposed manhole
- = Existing utility box
- = Proposed sidewalk ramp
- = Existing contour
- = Existing spot elevation
- = Proposed contour
- = Proposed spot elevation
- = Deep test location
- = Percolation test location
- = Grade to drain
- = Proposed Riprap
- = Proposed Drainage Pipe

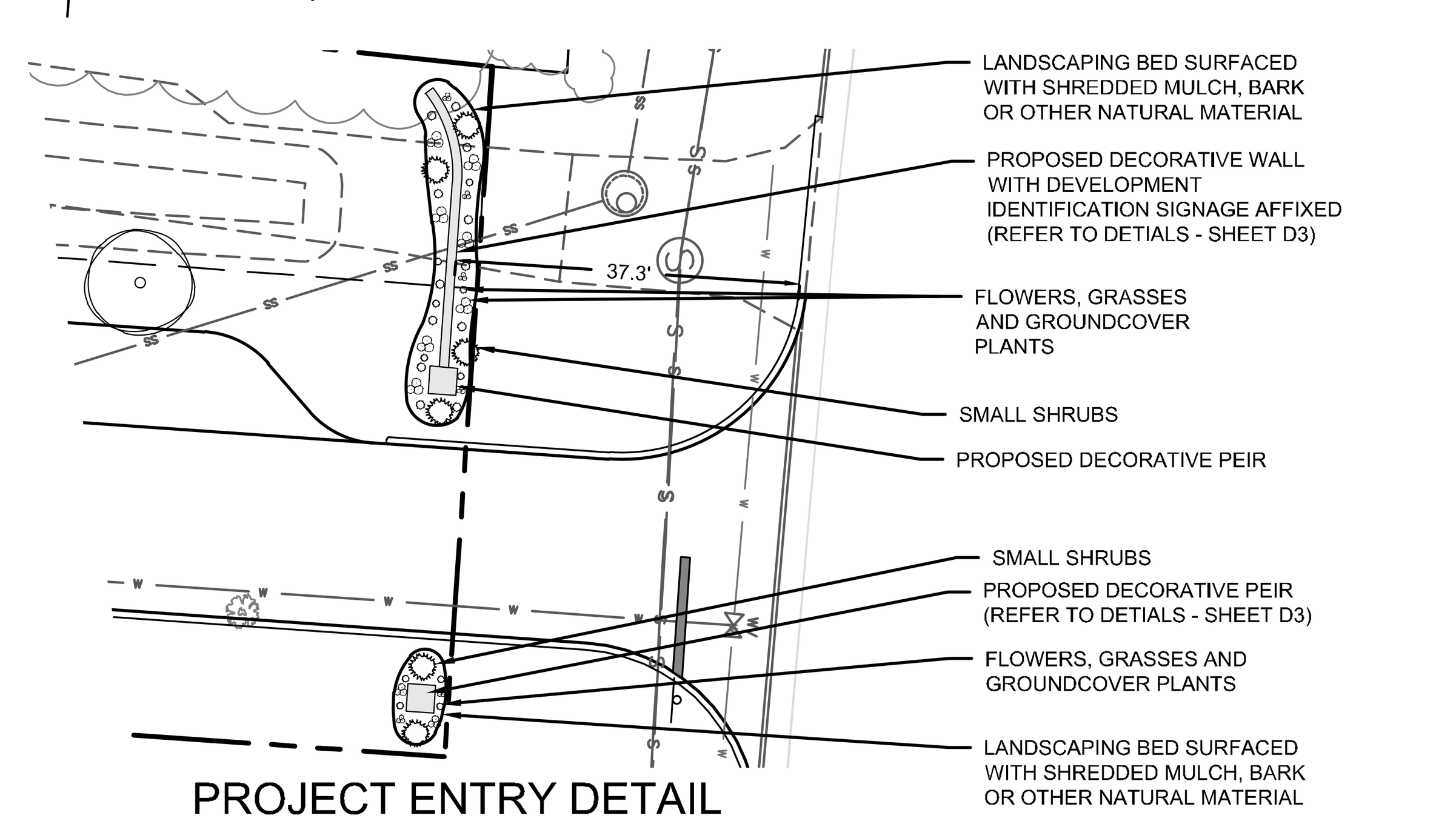


SITE PLAN NOTES:

1. Owner: Cecelia Docar
2. Applicant: AA Denorfia Building & Development
3. Street #: 580 Meriden Waterbury Turnpike
4. Area of Parcel: 338,021 SF - 7.76 Ac.
5. Parcel is zoned: ARCHZ
6. Present use: Residential
7. Proposed use: Residential - Age Restricted Cluster
8. No Wetlands are present per the Town of Southington Wetland Map.
9. Site to be serviced by town water and sewer.
10. All work in connection with this plan shall be completed within five years of the date of approval, or the approval is no longer valid.
11. Erosion and Sedimentation control shall conform to the "Connecticut Guidelines for Soil Erosion and Sediment Control" dated May 2002, and amended to date.
12. All site work shall conform to specifications as outlined in C.D.O.T. Form 818, dated 2020 and amended to date.
13. Any regulated activity in a designated Inland Wetland not a part of this plan shall require a separate Inland Wetland Permit.
14. All areas disturbed by construction to be restored with 4" of loam and seeded.
15. All exterior light fixtures shall be low intensity LED, Dark Sky Compliant, fully shileded fixtures. Light poles shall have a maximum height of 12 feet.
16. All Catch Basins\Inlets shall be cleaned prior to occupancy.
17. Underground fuel tanks are prohibited.
18. Town of Southington Planning and Engineering Departments to be notified at (860)-276-6248 and (860)- 276-6231, 24 hours before site grading begins.
19. Prior to any excavation, contractor to notify "CALL BEFORE YOU DIG," 1-800-922-4455.
20. All existing utilities are from best available information, contractor to verify all locations, dimensions, and elevations prior to construction. Notify Engineer of any discrepancies.
21. No floor drains are proposed. Floor drains are not allowed without obtaining Connecticut DEEP permits.
22. Building permit required for construction of retaining walls over 3-ft tall. Design of retaining walls shall be provided by structural/geotechnical engineer prior to construction of walls.
23. All refuse to be collected by private company and all refuse containers to be store inside of units.

ZONING INFORMATION

ITEM	REQUIRED	PROVIDED
ZONE	ARCHZ	ARCHZ
PROPOSED USE	Age Restricted Cluster Housing	Age Restricted Cluster Housing
LOT AREA	5 Acres	7.76 Acres
LOT FRONTAGE	75 ft	75 ft
FRONT YARD SETBACK	50 ft	> 100 ft
SIDE & REAR YARD SETBACK	25 ft	25.25 ft
MAX. BUILDING HEIGHT	32 ft	< 32 ft
MAX. IMPERVIOUS COVERAGE	50%	< 50%
MAX. DENSITY	5 Units per Acre	< 3 Units per Acre
GREEN SPACE	20% (1.72 Acres)	30% (2.34 Acres)



PROJECT ENTRY DETAIL

SCALE: 1" = 20'

811. Know what's **below.** **Call** before you dig.

Barton N. Bovee P.E. #13653 Reg. No.

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P.O. Box 44
Plantsville, CT 06479 - 0044

Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

SITE LAYOUT & LANDSCAPING

Scale: 50' 25' 0 25' 50' 1"=50'

Date: September 1, 2022

Project #: 2235	F.B. #:
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

C1

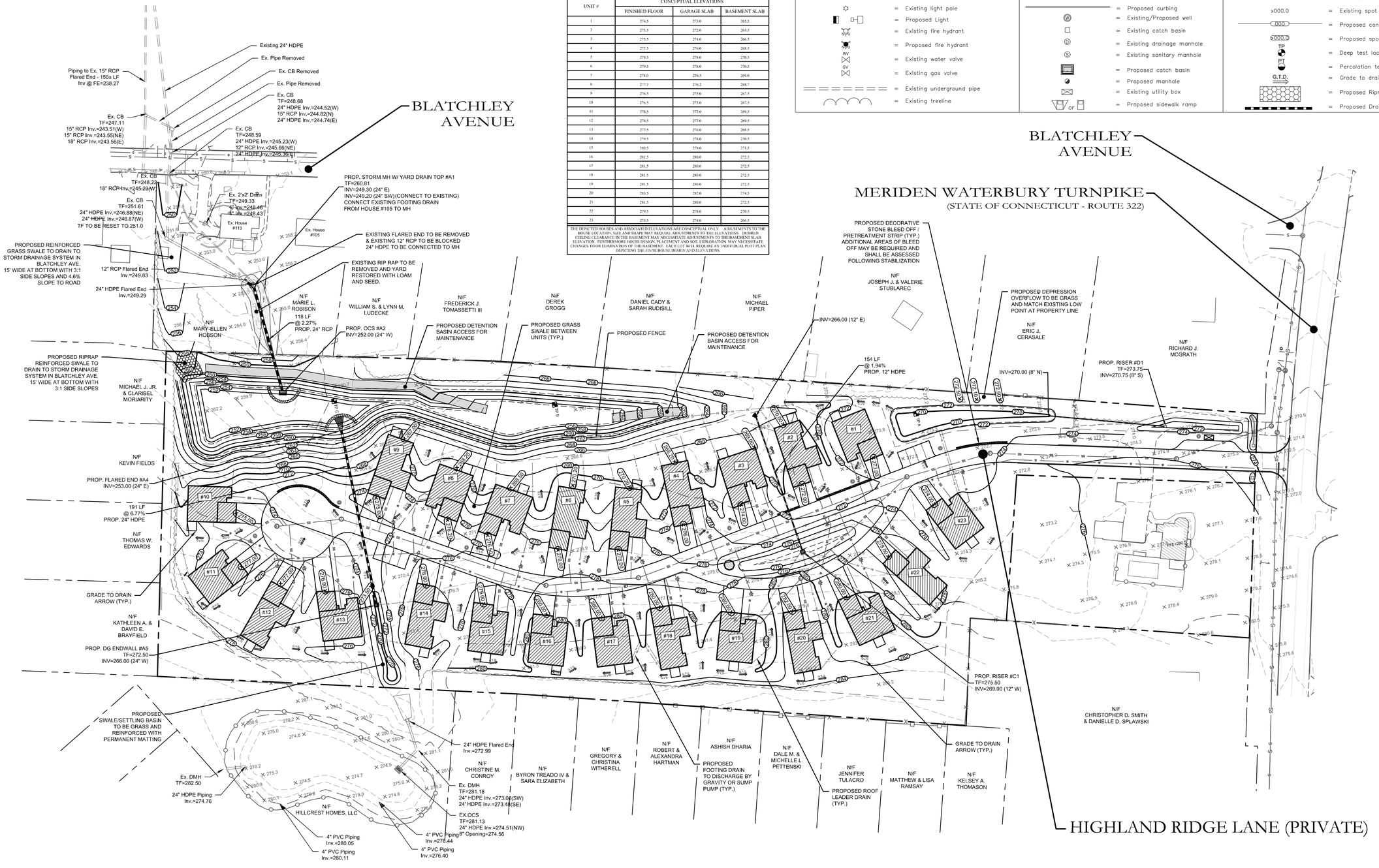
UNIT DATA

UNIT #	CONCEPTUAL ELEVATIONS		
	FINISHED FLOOR	GARAGE SLAB	BASEMENT SLAB
1	274.5	273.0	265.5
2	273.5	272.0	264.5
3	275.5	274.0	266.5
4	277.5	276.0	268.5
5	279.5	278.0	270.5
6	279.5	278.0	270.5
7	278.0	276.5	269.0
8	277.7	276.2	268.7
9	276.5	275.0	267.5
10	276.5	275.0	267.5
11	278.5	277.0	269.5
12	278.5	277.0	269.5
13	277.5	276.0	268.5
14	279.5	278.0	270.5
15	280.5	279.0	271.5
16	281.5	280.0	272.5
17	281.5	280.0	272.5
18	281.5	280.0	272.5
19	281.5	280.0	272.5
20	783.5	783.0	774.5
21	281.5	280.0	272.5
22	279.5	278.0	270.5
23	275.5	274.0	266.5

THE DEPICTED HOUSES AND ASSOCIATED ELEVATIONS ARE CONCEPTUAL ONLY. ADJUSTMENTS TO THE HOUSE LOCATION, SIZE AND SHAPE MAY REQUIRE ADJUSTMENTS TO THE ELEVATIONS. DESIRED CEILING CLEARANCE IN THE BASEMENT MAY NECESSITATE ADJUSTMENTS TO THE BASEMENT SLAB ELEVATION. FURTHERMORE HOUSE DESIGN, PLACEMENT AND SOIL EXPLORATION MAY NECESSITATE CHANGES TO OR ELIMINATION OF THE BASEMENT. EACH LOT WILL REQUIRE AN INDIVIDUAL PLOT PLAN DEPICTING THE FINAL HOUSE DESIGN AND ELEVATIONS.

LEGEND

- = Existing utility pole
- = Existing light pole
- = Proposed Light
- = Existing fire hydrant
- = Proposed fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing treeline
- = Existing edge of pavement
- = Proposed curbing
- = Existing/Proposed well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- = Proposed catch basin
- = Proposed manhole
- = Existing utility box
- = Proposed sidewalk ramp
- = Existing contour
- = Existing spot elevation
- = Proposed contour
- = Proposed spot elevation
- = Deep test location
- = Percolation test location
- = Grade to drain
- = Proposed Riprap
- = Proposed Drainage Pipe



PLAN NOTES:

1. Additional notes located on Sheet C1.
2. All site work shall conform to specifications as outlined in C.D.O.T. Form 818, dated 2020 and amended to date.
3. Maximum earth slopes shall be two feet horizontal to one foot vertical.
4. All areas disturbed by construction to be restored with 4" of loam and seeded.
5. Roof drains shall daylight to grass lawn areas.
6. All Catch Basins\Inlets shall be cleaned prior to occupancy.
7. Town of Southington Planning and Engineering Departments to be notified at (860)-276-6248 and (860)- 276-6231, 24 hours before site grading begins.
8. Prior to any excavation, contractor to notify "CALL BEFORE YOU DIG," 1-800-922-4455.
9. All existing utilities are from best available information, contractor to verify all locations, dimensions, and elevations prior to construction. Notify Engineer of any discrepancies.
10. No floor drains are proposed. Floor drains are not allowed without obtaining Connecticut DEEP permits.
11. Building permit required for construction of retaining walls over 3-ft tall. Design of retaining walls shall be provided by structural/geotechnical engineer prior to construction of walls.

TEST PIT DATA

TP A				TP B				TP C			
Depth (in.)			Description	Depth (in.)			Description	Depth (in.)			Description
0	-	6	Topsoil	0	-	9	Topsoil	0	-	8	Topsoil
6	-	18	Orange/Brown FSL	9	-	27	Orange/Brown FSL	8	-	36	Brown FSL with rocks
18	-	60	Compact Red Boney FS with rocks and cobles	27	-	50	Compact Red FSL with rocks and cobles	36	-	65	Brown FSL with rocks and cobles
				50	-	108	Compact FSL				
No Mottling Observed				No Mottling Observed				No Mottling Observed			
No Groundwater Observed				No Groundwater Observed				No Groundwater Observed			
No Ledge Observed				No Ledge Observed				No Ledge Observed			

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Plantsville, CT 06479 - 0044
Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

SITE GRADING & DRAINAGE PLAN

Scale: 50' 25' 0 25' 50'
1"=50'

Date: September 1, 2022

Project #: 2235	F.B. #:
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

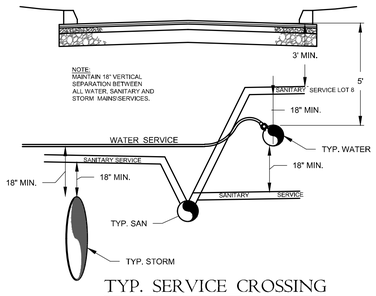
Sheet #:

C2

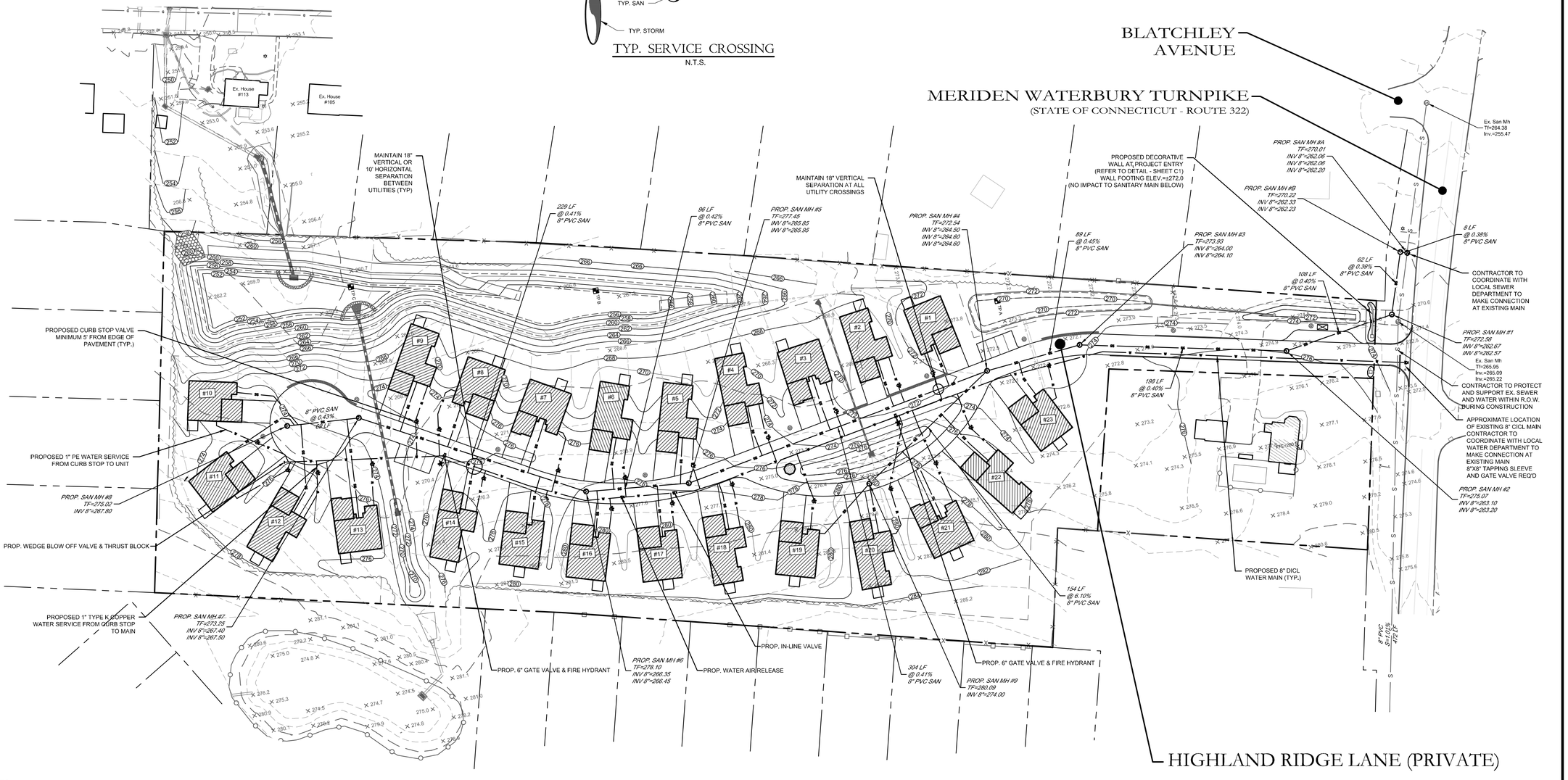
#13653
Barton N. Bovee P.E. Reg. No.
NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO

LEGEND

	= Existing utility pole		= Existing edge of pavement	000	= Existing contour
	= Existing light pole		= Proposed curbing	x000.0	= Existing spot elevation
	= Proposed Light	W	= Existing/Proposed well	000	= Proposed contour
	= Existing fire hydrant		= Existing catch basin	x000.0	= Proposed spot elevation
	= Proposed fire hydrant	D	= Existing drainage manhole	TP	= Deep test location
INV	= Existing water valve	S	= Existing sanitary manhole	PT	= Percolation test location
GV	= Existing gas valve		= Proposed catch basin	G.T.D.	= Grade to drain
	= Existing underground pipe		= Proposed manhole		= Proposed Riprap
	= Existing treeline		= Existing utility box		= Proposed Drainage Pipe
		OR	= Proposed sidewalk ramp		



TYP. SERVICE CROSSING
N.T.S.



PLAN NOTES:

1. Additional notes located on Sheet C1.
2. Site to be serviced by town water and sewer.
3. All work in connection with this plan shall be completed within five years of the date of approval, or the approval is no longer valid.
4. All site work shall conform to specifications as outlined in C.D.O.T. Form 818, dated 2020 and amended to date.
5. Sanitary service connection for domestic\office waste only. No industrial waste shall be discharged.
6. Water service sizing to be determined by the Southington Water Department upon receipt of all pertinent water fixture data.
7. Town of Southington Planning and Engineering Departments to be notified at (860)-276-6248 and (860)- 276-6231, 24 hours before site grading begins.
8. Prior to any excavation, contractor to notify "CALL BEFORE YOU DIG," 1-800-922-4455.
9. All existing utilities are from best available information, contractor to verify all locations, dimensions, and elevations prior to construction. Notify Engineer of any discrepancies.
10. No floor drains are proposed. Floor drains are not allowed without obtaining Connecticut DEEP permits.
11. Building permit required for construction of retaining walls over 3-ft tall. Design of retaining walls shall be provided by structural/geotechnical engineer prior to construction of walls.
12. Water lateral connections to be Type 'K' Copper from main to curb stop valves.
13. Curb stop valves to be 5 feet minimum from edge of pavement
14. All water service connections, installations, and materials to be per The Southington Water Department Specifications and Requirements.
15. All water services to be sleeved in 3" PVC if under a walkway.

811 Know what's below. Call before you dig.

#13653
Barton N. Bovee P.E. Reg. No.
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PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

SEWER & WATER PLAN

Scale: 50' 25' 0 25' 50'
1"=50'

Date: September 1, 2022

Project #: 2235	F.B. #:
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

C3

FOOTING DRAINS TO DISCHARGE BY GRAVITY OR SUMP PUMP TO DAYLIGHT or STORMWATER COLLECTION SYSTEM THE REQUIREMENT AND DISCHARGE METHOD OF FOOTING DRAINS SHALL BE EVALUATED WITH EACH PLOT PLAN. USE OF BACKFLOW CHECK VALVES AND PUMP CONNECTIONS IS RECOMMENDED TO MINIMIZE THE POTENTIAL OF BACKFLOWS FROM THE DRAINAGE SYSTEM TO FOUNDATION DRAINS.

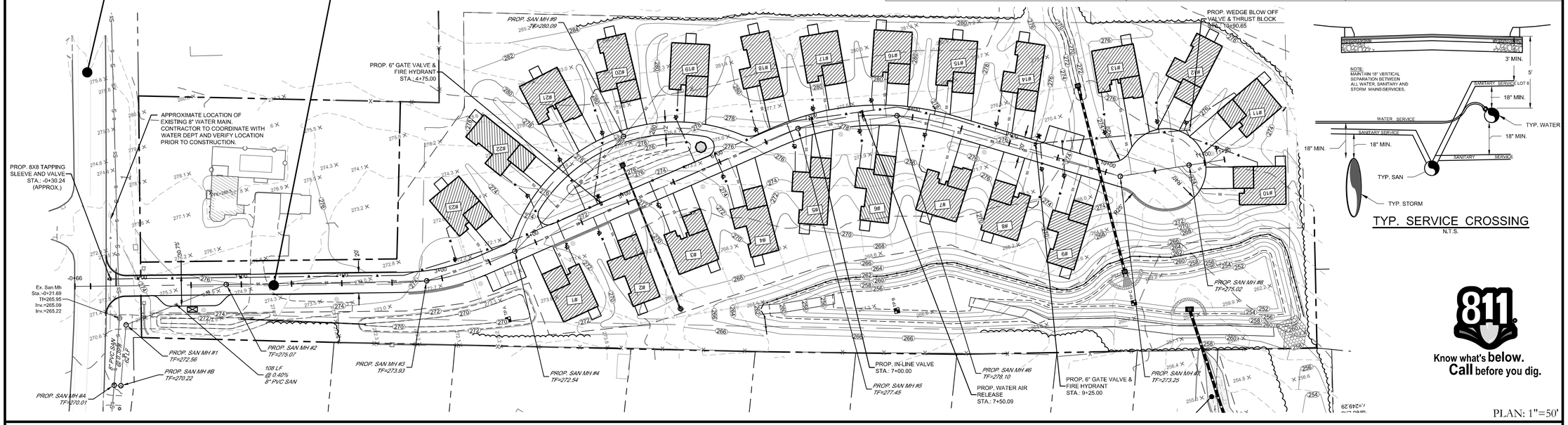
CONSTRUCT DETENTION BASIN, INCLUDING BERMS AND FOREBAYS, PRIOR TO ANY OTHER CONSTRUCTION ACITIVIES. BASIN SHALL BE USED AS TEMPORARY SEDIMENTATION BASIN AND DEWATERING BASIN DURING CONSTRUCTION. EXCESS SILT AND MATERIAL SHALL BE REMOVED AFTER ESTABLISHING FINAL GRADES FOR THE SITE.

LEGEND

- = Existing utility pole
- = Existing light pole
- = Proposed Light
- = Existing fire hydrant
- = Proposed fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing treeline
- = Existing edge of pavement
- = Proposed curbing
- = Existing/Proposed well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- = Proposed catch basin
- = Proposed manhole
- = Existing utility box
- = Proposed sidewalk ramp
- = Existing contour
- = Existing spot elevation
- = Proposed contour
- = Proposed spot elevation
- = Deep test location
- = Percolation test location
- = Grade to drain
- = Proposed Riprap
- = Proposed Drainage Pipe

MERIDEN WATERBURY TURNPIKE
(STATE OF CONNECTICUT - ROUTE 322)

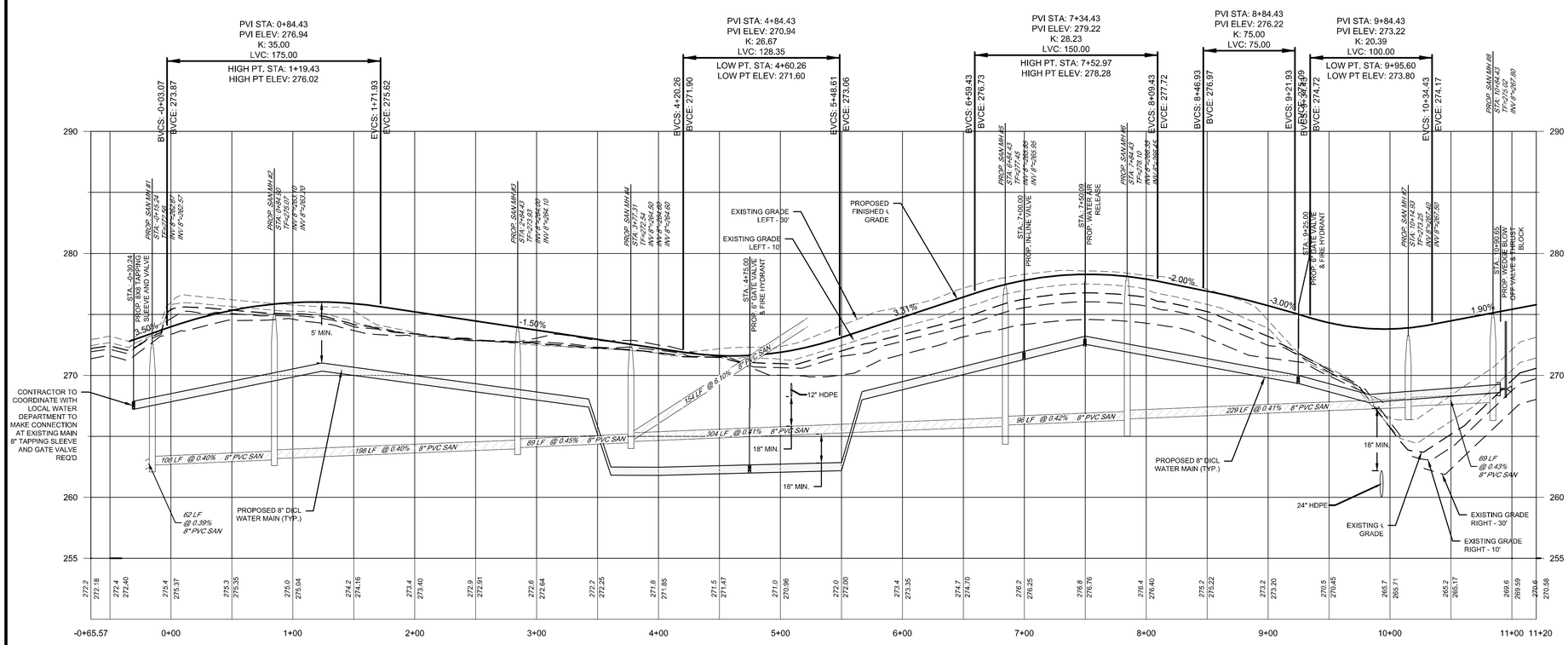
HIGHLAND RIDGE LANE (PRIVATE)



TYP. SERVICE CROSSING
N.T.S.

811 Know what's below. Call before you dig.

PROFILE: H/1"=50'
V/1"=5'



PLAN & PROFILE NOTES:

1. Prior to any excavation, contractor to notify "Call Before You Dig" at 1-800-922-4455.
2. All existing utilities shown are from best available information
3. Contractor required to field verify all dimensions, elevations, quantities, and details prior to any construction.
4. Elevations are based on NAVD 88 datum.
5. All construction to conform to C.D.O.T. Form 818 as amended to date.
6. All catch basins to be C.H.D. type "C" unless otherwise noted, all catch basins shall have a two foot sump, minimum.
7. All storm drainage pipe to be HDPE, unless otherwise noted.
8. All public work in connection with this plan shall be completed within five years of the date of approval, or the approval is no longer valid.
9. Planning and Engineering Departments to be notified, 24 hours before any construction activity begins.
10. Any regulated activity in a designated inland wetland area not a part of this plan shall require a Special Permit.
11. Under drains to be installed at the time of construction, if deemed necessary by the Town Engineer.
12. Hydrants shall be set plumb with outlets 18" (0.46m) above finished grade.
13. Installation of street lighting shall be the responsibility of the developer.
14. On-site safety and regulatory signage as deemed necessary by the Police Department shall be installed at the expense of developer. The developer shall meet with the Police Department to review signage needs prior to the the acceptance of the roadway and release of improvement bonds..
15. The town shall not maintain responsibility or maintenance of the road until the street has been accepted by town. Maintenance, including snowplowing, shall be the responsibility of the developer until such a time as the road is accepted by the town.
16. No Certificate of Occupancy shall be issued until all site work is completed, or when specifically approved by the Planning and Zoning Commission. A temporary C.O. may be issued upon the posting of a bond.
17. Groundwater Barriers may be required at the discretion of the Engineering Department.
18. Footing Drains depicted within ROW shall be 6" PVC with minimum slope of 1/4" per foot. Drains shall be stub to the property line and marked with a 4"x4"post.
19. All water services to be sleeved in 3" PVC if under a walkway.

#13653
Barton N. Bovee P.E. Reg. No.
NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO

NORTH

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HARRY E. COLE & SON
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876 South Main Street
P.O. Box 44
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Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

PLAN AND PROFILE

HIGHLAND RIDGE LANE (PRIVATE)

Scale: 50' 25' 0 25' 50'
1"=50'

Date: September 1, 2022

Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

P1

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE:

A. PROJECT INFORMATION

1. *Project Description - The project site consist of one 8.71 acre site at 580 Meriden Waterbury Turnpike in Southington, Connecticut.*
   Area of Development - 7.0± Acres.
2. *Area Proposed Disturbance Due to Construction Activities - 6.5± Acres.*
3. *Estimated Start of Construction - 2022.*
4. *Estimated Construction Completion Date - 2025.*

B. SEQUENCE OF CONSTRUCTION

The tentative sequence of construction events are as follows and activities noted by a "(Capital Letter)" may occur concurrently.

1. *Conduct a pre-construction meeting with the OWNER, Contractor, Consultant Team, and Local, County and State agencies having jurisdiction over the project.*
2. *Field stakeout the limits of all activities and install, at a minimum, a snow fence along construction limit lines along environmentally sensitive and tree protection areas. Silt fencing may be substituted where it coincides with this line, but only as approved by the OWNER. (A)*
3. *Install silt fence along all sides contiguous to wetlands, watercourses and property owned by others affected by the work. Refer to the Soil Erosion and Sedimentation Control Plan for locations. (A)*
4. *After each rain storm monitor the sedimentation and erosion control structures, which may include riprap channels, sediment basins, plunge pools, etc. Routinely remove sediment during construction when controls exceed one half (1/2) their capacity, sediment shall be disposed of in an environmentally acceptable manner at an approved location. (A)*
5. *Clear vegetation within project limits, except trees designated to remain or in question, as shown on the plans. The decision of how questionable trees are to be treated shall rest with the OWNER and coordinated through the local agency having jurisdiction as construction progresses. All trees and shrubs less than 6" in diameter, and not to remain, shall be chipped and stored on site for mulch. (A)*
6. *Remove stumps and dispose of at a bulky waste site approved by the ENGINEER and local official having jurisdiction. Disposal of stumps within burial pits on-site shall be prohibited. (B)*
7. *Construct all temporary sedimentation and erosion control structures, including but not limited to: silt fence, stone check dams, water breaks, and sediment traps/basins. All structures and their locations shall be approved by the ENGINEER or the Inland Wetlands Enforcement Officer. Prior to the next phase of construction. (B)*
8. *Install drainage outfall pipe and temporary sediment basin along with temporary drainage diversions to sediment basin. If the proposed detention basin is to be used as a temporary sediment trap/basin and an outlet control structure is to be installed, all orifices and weirs are to be plugged water tight during construction. (B)*
9. *Strip topsoil and subsoil materials as required and stockpile them at locations that will not adversely impact any down gradient wetlands. Stockpiles may be relocated to meet job conditions but are subject to the ENGINEER'S approval. Provide temporary erosion controls on the downside slopes of all stockpiles. (B)*
10. *Bring proposed site entrance surface areas to rough subgrade.*
11. *Conduct all rough cuts and fills for proposed buildings and associated parking. Making sure that all fill material is free of brush, rubbish, large boulders, logs, stumps and other objectionable materials. (C)*
12. *If blasting is required for any cuts, all proposed work is to be coordinated with all local officials having jurisdiction. The contractor is required to secure all permits for blasting operations in accordance with local and state regulations and conduct a pre-blast survey of surrounding properties. Rock spoil is to be disposed of in an appropriate manner as the site development plan may show or is locally permitted. (C)*
13. *Provide temporary seeding measures on all exposed soil which were damaged due to construction activities, are outside of construction traffic zones, and are not to be permanently restored or for a period in excess of thirty (30) days. Seeding and seedbed preparation are as specified herein or as indicated on the landscape plan. (C)*
14. *Excavate for and install storm drainage systems. Install strawbale ring sediment barriers at all catch basins locations. (C)*
15. *Excavate for and install utilities. (C)*
16. *Building construction may begin pending building permit and run concurrently with the remaining site activities. (C)*
17. *Bring proposed roadway areas to pavement subgrade with processed stone and install binder course and curbing, Refer to details. (D)*
18. *Construct all driveway entrance improvements as indicated on plans. (E)*
19. Complete final subgrading for all grassed and landscaped areas. Prepare subgrades for placing a minimum of four inches of topsoil. Place topsoil only when permanent seeding and landscaping can follow within a reasonable time frame. (E)
20. Exercise final landscaping plan and permanent seeding to provide long-term stabilization. (E)
21. Complete final paving with top course and paint surfaces with pavement markings. (E)
22. Clean and remove all silt from within drainage structures and dispose of materials in an environmentally acceptable manner. (F)
23. Remove temporary measures once permanent measures have matured as approved by the Municipality's enforcement officer. (F)
24. Conduct final inspection with Municipality to identify deficiencies and establish punch list based on approved plans; complete to the satisfaction of the Municipality.
25. Construction Staging:
    a. Stage # 1 - Rough grade site, stabilize steep slopes. Construct temporary sedimentation control measures, detention and retention basins.
    b. Stage #2 - Install subsurface storm water systems, install underground utilities and first coat pavement.
    c. Stage #3 - Complete parking areas, finish grade site and loam and seed all disturbed areas.

C. RESPONSIBILITY

1. The responsibility for implementing and maintaining the Soil Erosion and Sedimentation Control Plan rests with the OWNER OF RECORD where any development of the parcel gives cause to erosion and sedimentation. It is also to be said that the OWNER OF RECORD shall be held responsible for informing all concerned regarding responsibility of the SE&SC plan and seeing that the plan becomes a part of the deed in the event the title of the property is transferred. The costs of all drainage erosion and sedimentation control measures will therefore rest with the OWNER OF RECORD.
2. SESC Emergency contact Information
   Emergency Contact Name: AA Denorfia Building & Development
   Emergency Contact Phone Number: (860) 628-9671

GENERAL NOTES:

1. Additional notes and details are located on Sheet D1.
2. At all times during construction, the Developer/Contractor shall be responsible for preventing and controlling on-site erosion including keeping the property sufficiently watered so as to minimize wind blown sediment. The Developer/Contractor shall also be responsible for installing and maintaining all erosion control facilities shown herein.
3. All soils exposed during land disturbing activity (stripping, grading, utility installations, stockpiling, filling, etc.) shall be kept in a roughened condition by ripping or disking along land contours until mulch, vegetation, or other permanent erosion control BMPs are installed. No soils in areas outside project street rights-of-way and future pavement shall remain exposed by land disturbing activity for more than thirty (30) days before required temporary or permanent erosion control (e.g. watering, seed/mulch, landscaping, etc.) is installed, unless otherwise approved by the Town Engineer.
4. All inlets shall be cleaned prior to occupancy.
5. All slopes greater than 3:1 shall be protected with Erosion Control Blankets (S150 by North American Green or approved equal)
6. All erosion control measures shall remain intact and operational until the site has been stabilized and vegetation is thoroughly established. This may occur after completion of construction, therefore it is critical for the Developer, Contractor and/or Owner to understand the erosion control responsibilities and maintain the erosion control measures.
7. To minimize erosion of the sandy soils, vegetation shall be established immediately following completion of grading within each area. Vegetation may consist of temporary seeding or final loam and seed.
8. If areas of work are not addressed by this plan or sediment and erosion issues arise in areas not covered by this plan, then the plan shall be augmented in the field. Contractor shall be responsible to insure no sediment or erosion problems encroach upon abutting property. This may require additional barriers, swales and bales.
9. All erosion and sediment control measures shall conform to the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control manual.
10. All Dewatering shall incorporate the use of filter bags on discharge ends.

STORMWATER MANAGEMENT MAINTENANCE SCHEDULE

SOUTHINGTON, CONNECTICUT

The following are the required maintenance and monitoring procedures.

Riprap and Discharge Aprons - Shall be cleared of all sediment deposits and invasive plant species and are to be inspected for rip-rap damage and deterioration. These procedures to be conducted yearly between May I and before September 15.

Outlet Control Structure - Shall be cleaned of all sediment, trash and debris and is to be inspected for structural integrity. These procedures to be conducted yearly between May 1 and September 15. Structure shall be inspected two times a year and after significant rainfall events. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections. Repairs shall be executed immediately.

Emergency Spillway - Shall be cleared of all sediment deposits and invasive plant species and are to be inspected for riprap damage and deterioration. These procedures to be conducted yearly between May 1 and September 15. Repairs shall be executed immediately.

Catch Basins - All basin rim areas and sumps shall be cleaned of all sediment, trash and debris. These procedures to be conducted yearly anytime after May I and before September 15.

Swales - all swales be cleared of all sediment deposits, invasive plant species and debris. Any erosion shall be repaired. These procedures to be conducted annually. Swales shall be inspected two times a year and after significant rainfall events. Additional maintenance, beyond schedule maintenance, may be required based upon inspections.

Water Quality Basin - Basin shall be cleared of all sediment deposits, invasive plant species and debris. These procedures to be conducted yearly between May 1 and September 15. Basin shall be inspected two times a year and after significant rainfall events. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections.

Slopes - Slope erosion control blankets and vegetation shall be inspected twice a year and after significant rainfall events. Additional maintenance, beyond schedule maintenance, may be required based upon inspections. Any rills or channeling shall be repaired immediately

EROSION CONTROL SYMBOL LEGEND

- ORANGE LIMIT OF CONSTRUCTION FENCE
- SILT FENCE
- EROSION CONTROL LOG\WATTLE
- INLET PROTECTION
- STAKED BALES
- CHECK DAM WATTLE\SOCK or STONE
- EROSION CONTROL BLANKET
- TEMPORARY WATER BAR (WB) or DIVERSION CHANNEL (TD)

*SYMBOLS DEPICTED IN LEGEND AND PLAN ARE NOT DRAWN TO SCALE. SEE DETAILS FOR SPECIFIC INFORMATION

LEGEND

= Existing utility pole	= Existing edge of pavement	000 = Existing contour
= Existing light pole	= Proposed curbing	x000.0 = Existing spot elevation
= Proposed Light	= Existing/Proposed well	= Proposed contour
= Existing fire hydrant	= Existing catch basin	x000.0 = Proposed spot elevation
= Proposed fire hydrant	= Existing drainage manhole	TP = Deep test location
= Existing water valve	= Existing sanitary manhole	PT = Percolation test location
= Existing gas valve	= Proposed catch basin	G.T.D. = Grade to drain
= Existing underground pipe	= Proposed manhole	= Proposed Riprap
= Existing treeline	= Existing utility box	= Proposed Drainage Pipe
	= Proposed sidewalk ramp	

TEMPORARY STORMWATER MANAGEMENT MAINTENANCE SCHEDULE (DURING CONSTRUCTION)

The following are the required maintenance and monitoring procedures

Swales - All swales shall be mowed and be cleared of all sediment deposits, invasive plant species and debris. These procedures shall be conducted monthly. Swales shall be inspected weekly and after significant rainfall events. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections.

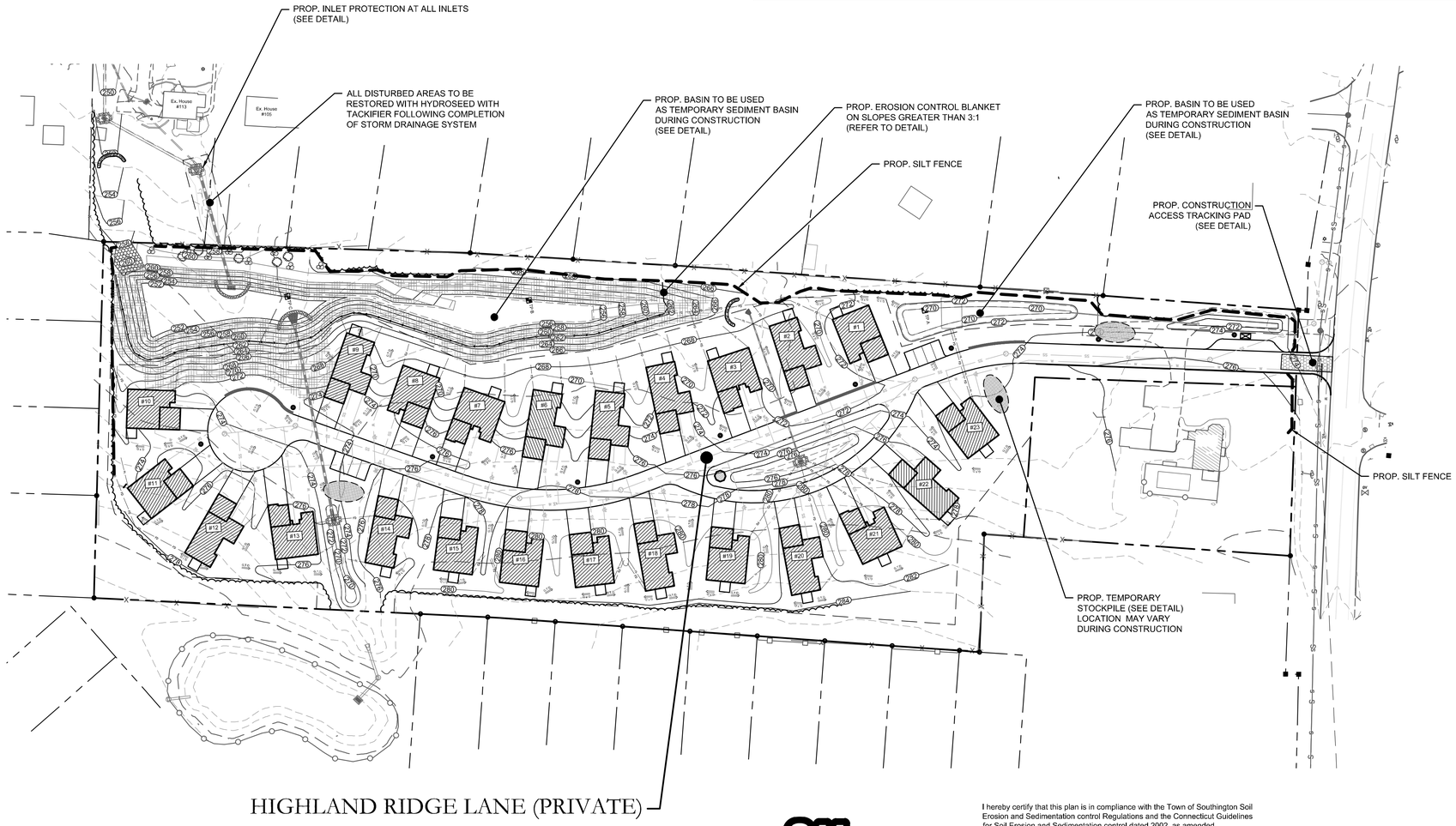
Catch Basins - All basin rim areas and sumps shall be cleaned of all sediment, trash and debris. These procedures shall be conducted monthly. Basins shall be inspected weekly and after significant rainfall events. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections

Slopes - Stablized slopes are essential to preventing sediment movement. Any channels of concentrated flow, such as rills, shall be fixed immediately. Additional control measures, such as bales, riprap, sediment fence and erosion fabric may be required. Slopes shall be inspected weekly and after significant rainfall events.

Sediment Barriers & Straw Bales - Shall be inspected weekly and after significant rainfall events. Repairs shall be made immediately. Additional barriers and bales may be required depending upon the area of work. If conditions exist which can not be addressed with this plan, then additional barriers shall be implemented to prevent sediment from leaving the site.

Street Sweeping - Sediment from the construction site, which has accumulated on the existing streets shall be cleaned up immediately . Contractor to inspect daily

Wind Blown Sediment: Shall be minimized. Unpaved travel ways shall be sufficiently watered to minimize wind blown sediment. Other unpaved surfaces shall be watered, temporary vegetated, roughing with disc or other measures in the Connecticut Guidelines for Soil Erosion and Sediment Control manual.



811 Know what's below. Call before you dig.

I hereby certify that this plan is in compliance with the Town of Southington Soil Erosion and Sedimentation control Regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation control dated 2002, as amended.

(Signature) _____

(Name) Barton N. Bovee Certificate NO. #13653

The Planning and Zoning Commission certifies that the Soil Erosion and Sedimentation Control Plan complies with the requirements of the Town of Southington Regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control dated 2002, as amended.

Signature _____

Date of approval _____

Barton N. Bovee P.E. #13653 Reg. No.

NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO

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PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

SOIL EROSIOIN & SEDIMENTATION CONTROL PLAN

Scale: 60' 30' 0 30' 60'
1"=60'

Date: September 1, 2022

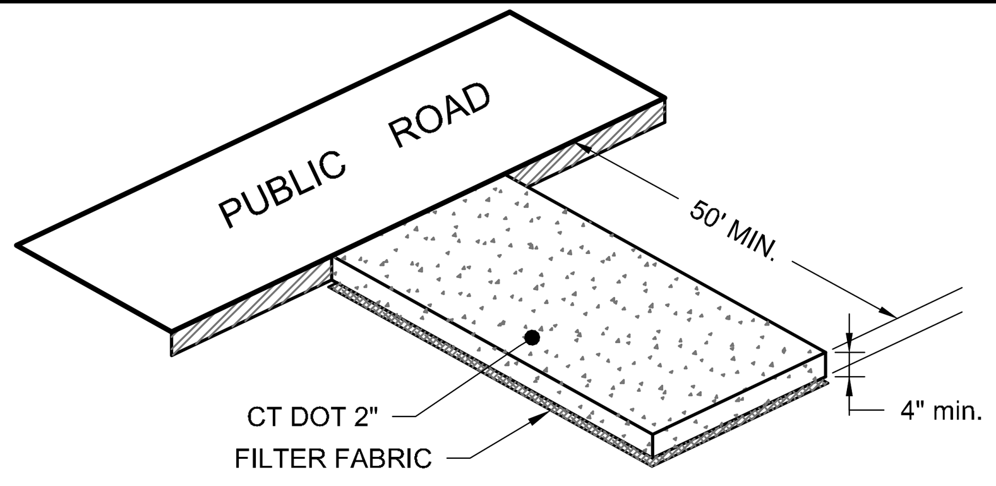
Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: BNB

Revisions:

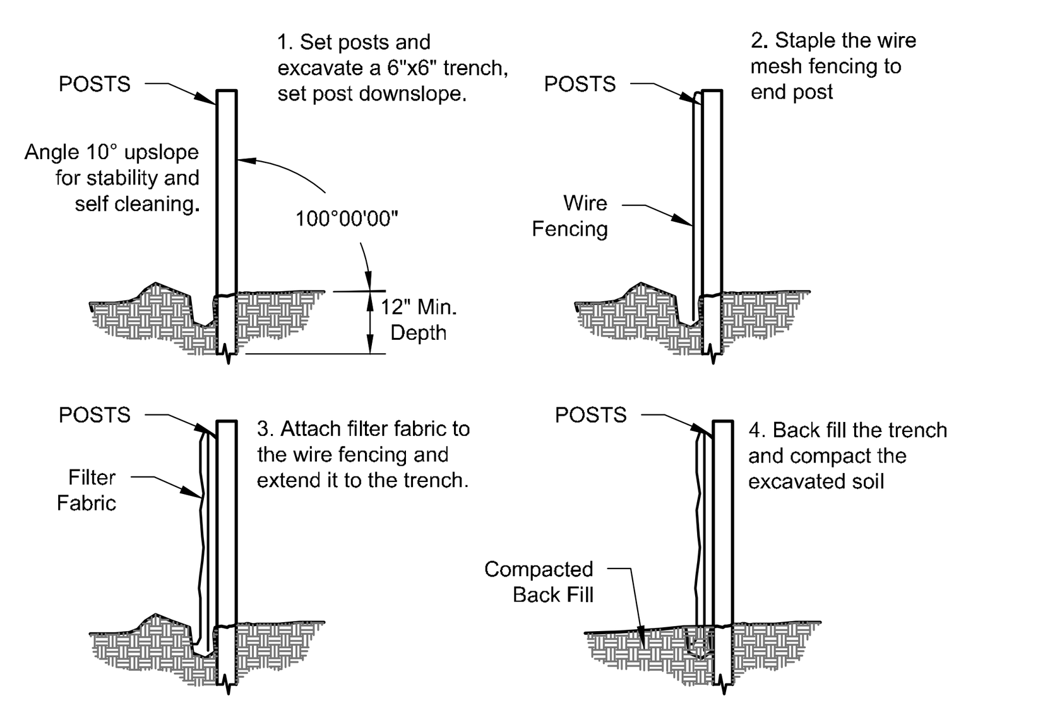
Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

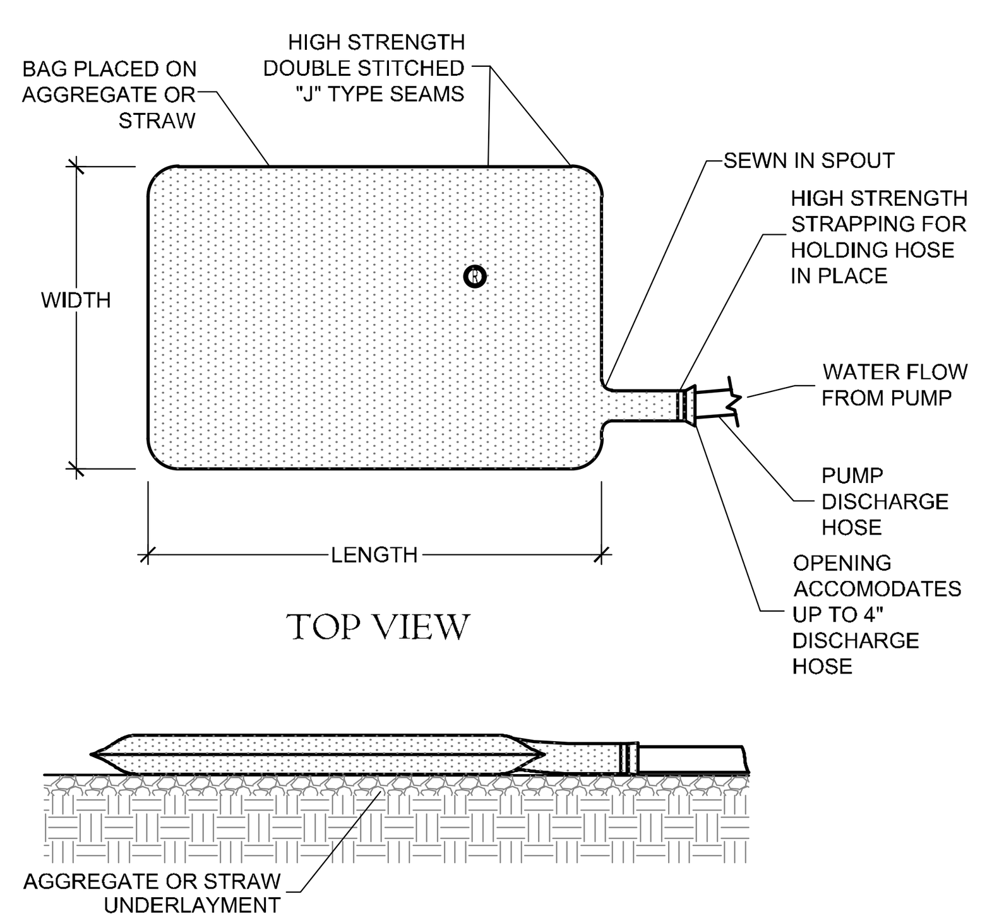
ES1



CONSTRUCTION ENTRANCE DETAIL
N.T.S.

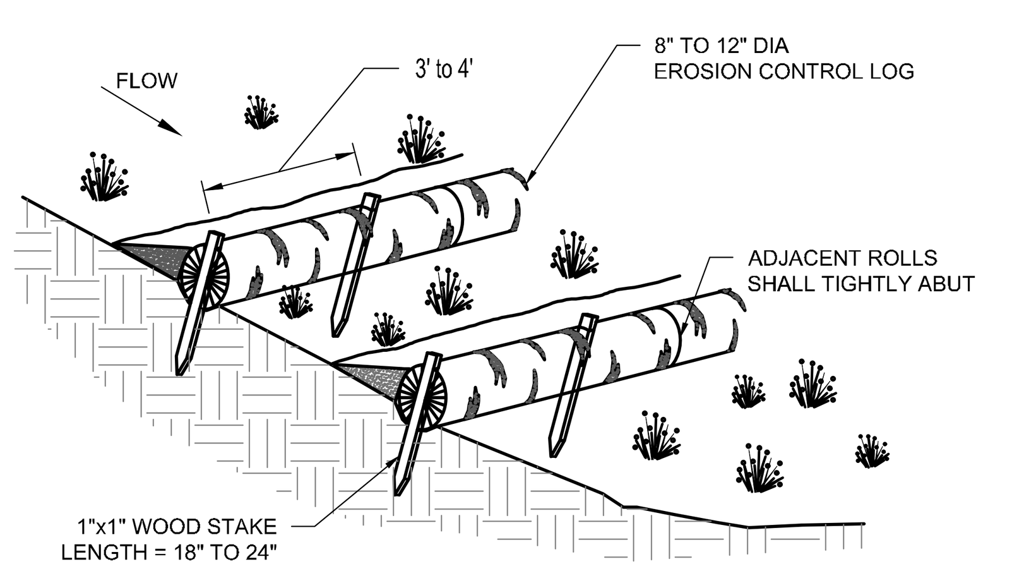


SEDIMENTATION BARRIER DETAIL
N.T.S.



NOTES:
1. AVAILABLE FROM ACF ENVIORMENTAL 48 OLD GRAYS BRIDGE ROAD, BROOKFIELD, CT 06904. (203)313-9002

DIRTBAG SILT CONTROL SYSTEM
N.T.S.



GENERAL NOTES:
1. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
2. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
3. ON SLOPES, WATTLES SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT DOWNWARD ANGLE AT THE END OF THE ROW IN ORDER TO PREVENT PONDING AT THE MID SECTION.
4. RUNNING LENGTHS OF WATTLES SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
5. SPACING FOR SLOPE INSTALLATIONS SHOULD BE DETERMINED BY SITE CONDITIONS. SLOPE GRADIENT AND SOIL TYPE ARE THE MAIN FACTORS. A GOOD RULE OF THUMB IS:

1:1 SLOPES = 10 FEET APART
2:1 SLOPES = 20 FEET APART
3:1 SLOPES = 30 FEET APART
4:1 SLOPES = 40 FEET APART.

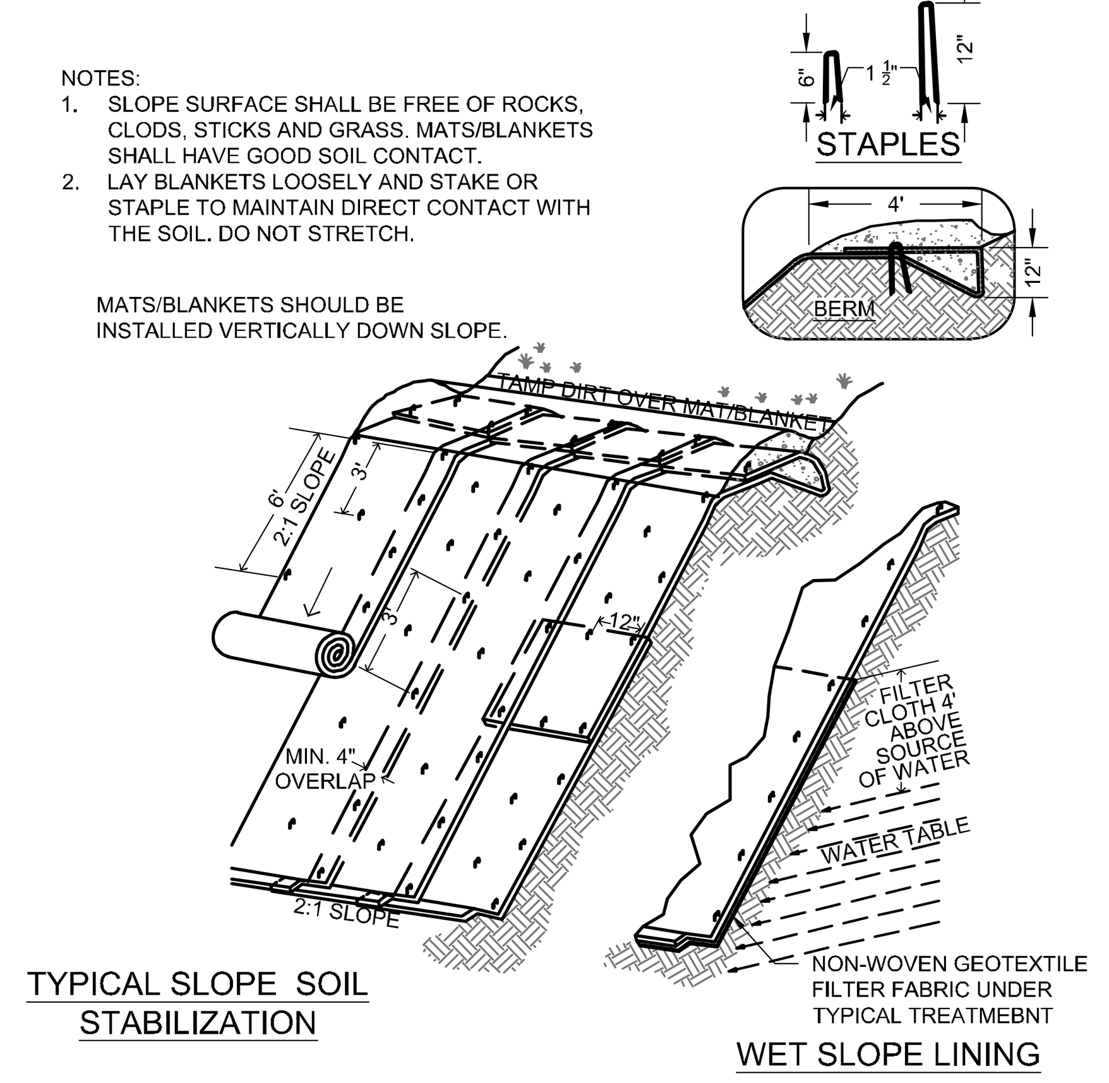
ADJUSTMENTS MAY HAVE TO BE MADE FOR THE SOIL TYPE: FOR SOFT, LOAMY SOILS - ADJUST THE ROWS CLOSER TOGETHER; FOR HARD, ROCKY SOILS - ADJUST THE ROWS FURTHER APART.

6. A SECONDARY WATTLE PLACED BEHIND THE ABUTMENT OF TWO WATTLES IS ENCOURAGED ON STEEP SLOPES OR WHERE JOINTS HAVE FAILED IN THE PAST.
7. USE WOOD STAKES TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE: 18" IS A GOOD LENGTH FOR HARD, ROCKY SOIL. FOR SOFT LOAMY SOIL USE A 24" STAKE. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE. LEAVING 2 - 3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE.

EROSION CONTROL LOG SLOPE PROTECTION
N.T.S.

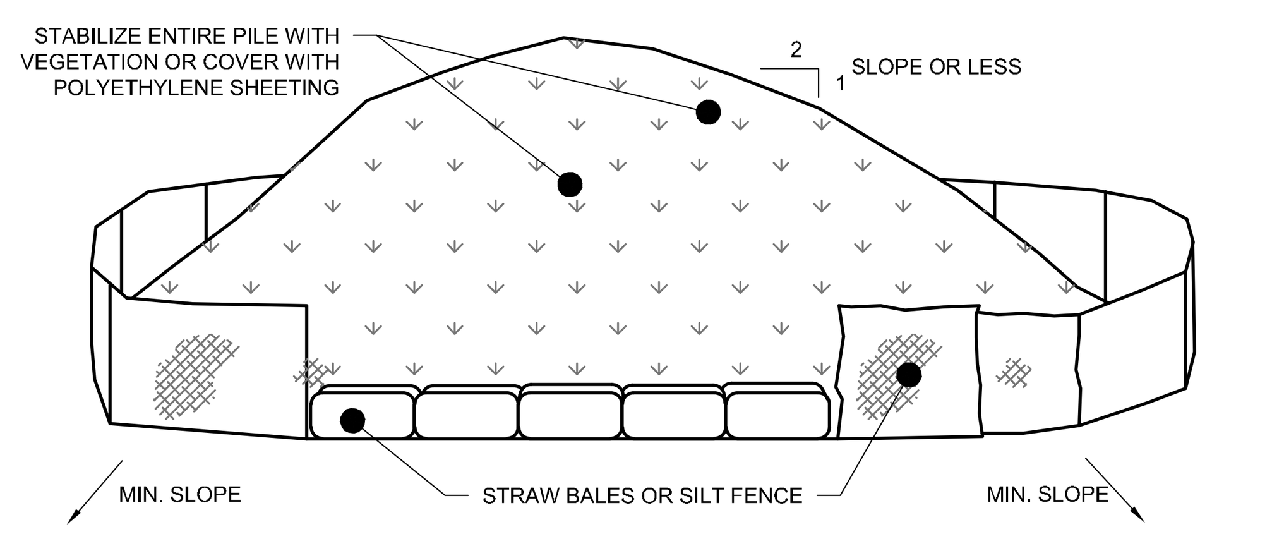
NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWN SLOPE.

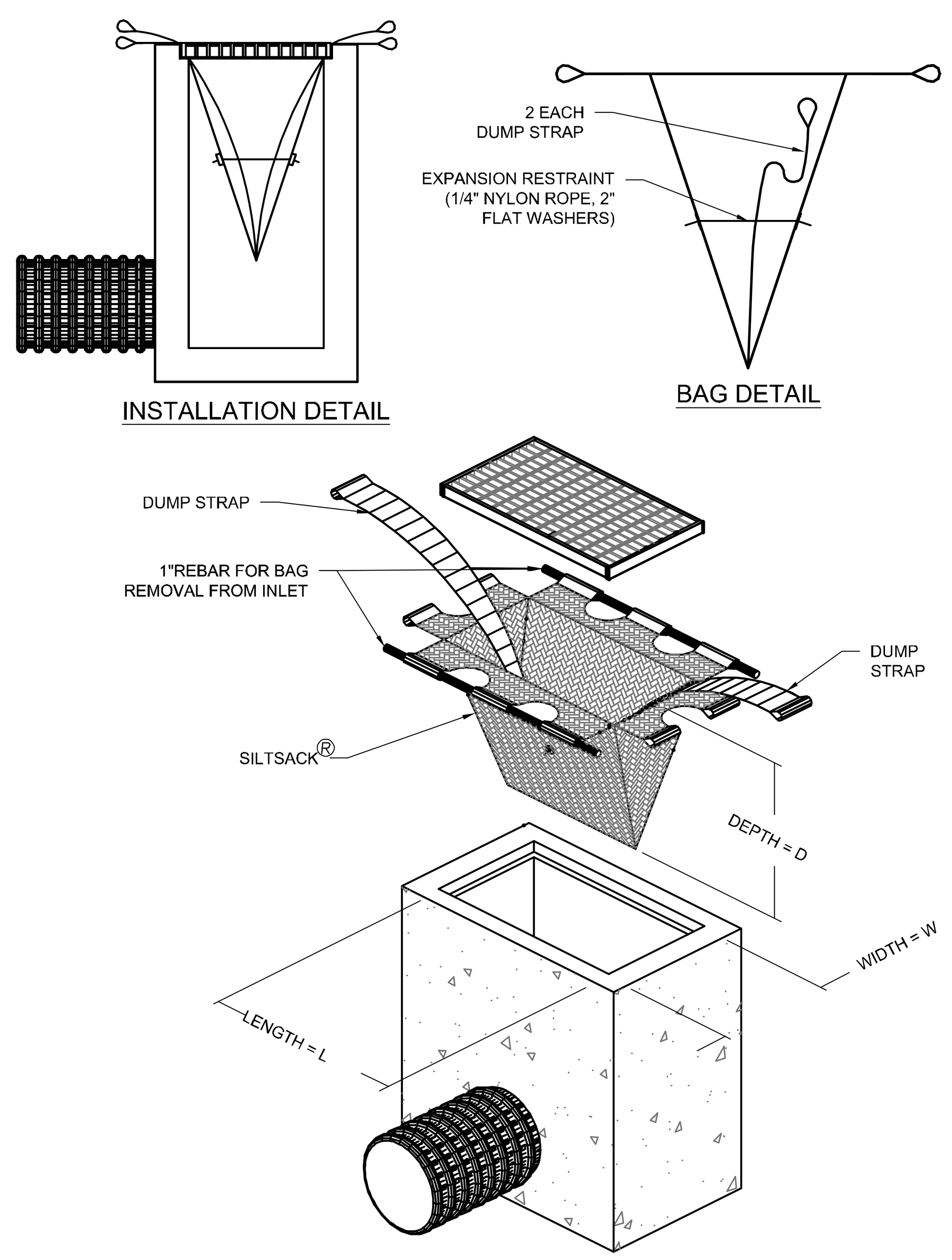


EROSION BLANKET & REINFORCEMENT MAT SLOPE INSTALLATION
N.T.S.

NOTES:
1. AREA CHOSE FOR STOCKPILING SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED WITH POLYETHYLENE SHEETING.
4. TO BE USED WHERE TOPSOIL IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TOPSOIL IS APPLIED TO SUBSOILS THAT ARE DRAUGHTY (HAVING LOW AVAILABLE MOISTURE FOR PLANTS), STONEY SALTY, HAVE LOW PERMEABILITY, OR ARE EXTREMELY ACID. IT IS ALSO USED TO BACKFILL AROUND SHRUB AND TREE TRANSPLANTS. PRESERVATION OF EXISTING TOPSOIL IS BENEFICIAL FOR ALL TYPES OF LAWN OR ORNAMENTAL PLANTINGS.
5. TEMPORARY STOCKPILING STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH NONVEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION, MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS AND REQUIRED PERIOD OF USE.
6. SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATIONS.

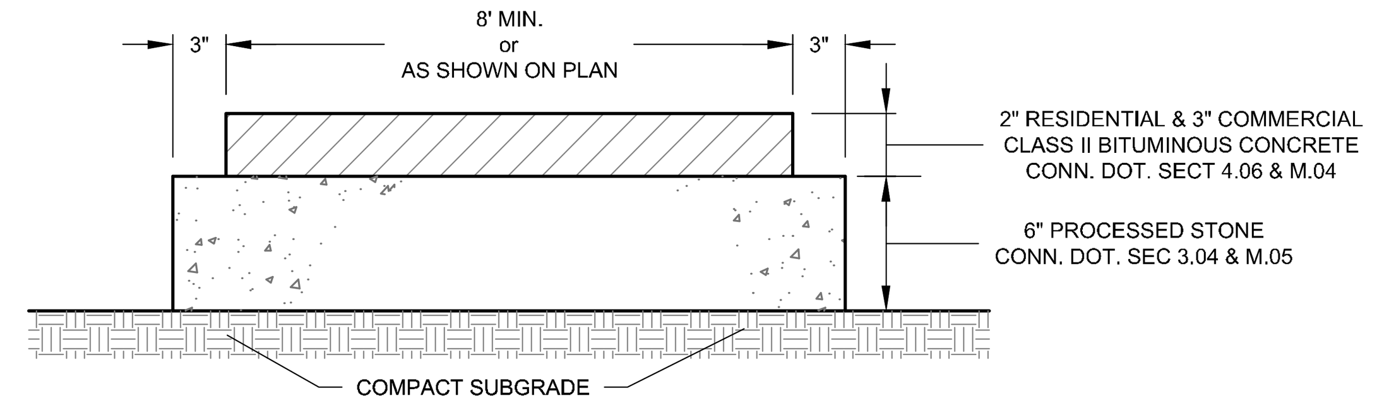


SOIL STOCKPILE DETAIL
N.T.S.

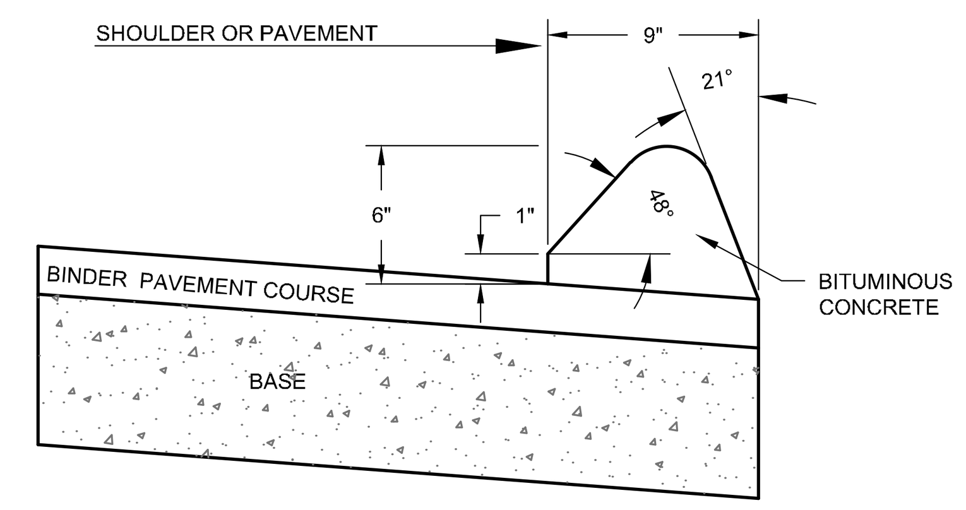


NOTES:
1. AVAILABLE FROM ACF ENVIRONMENTAL 48 OLD GRAYS BRIDGE ROAD BROOKFIELD, CT 06904. (203)313-9002

SILTSACK INLET CONTROL DEVICE
N.T.S.

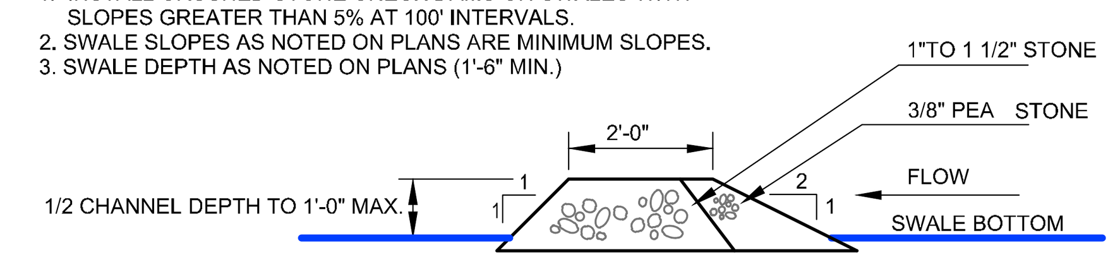


BITUMINOUS CONCRETE DRIVEWAY
N.T.S.

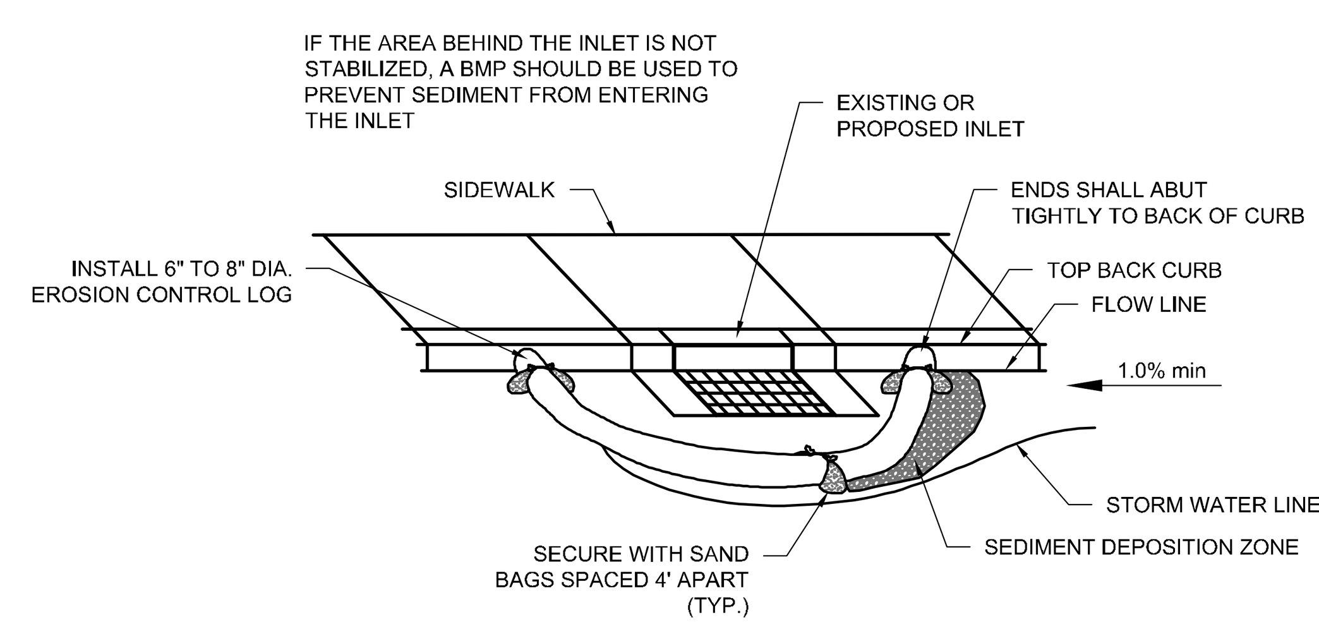


BITUMINOUS CONCRETE LIP CURBING
N.T.S.

NOTES:
1. INSTALL CRUSHED STONE CHECK DAMS ON SWALES WITH SLOPES GREATER THAN 5% AT 100' INTERVALS.
2. SWALE SLOPES AS NOTED ON PLANS ARE MINIMUM SLOPES.
3. SWALE DEPTH AS NOTED ON PLANS (1'-6" MIN.)



TYPICAL CRUSHED STONE CHECK DAM
N.T.S.



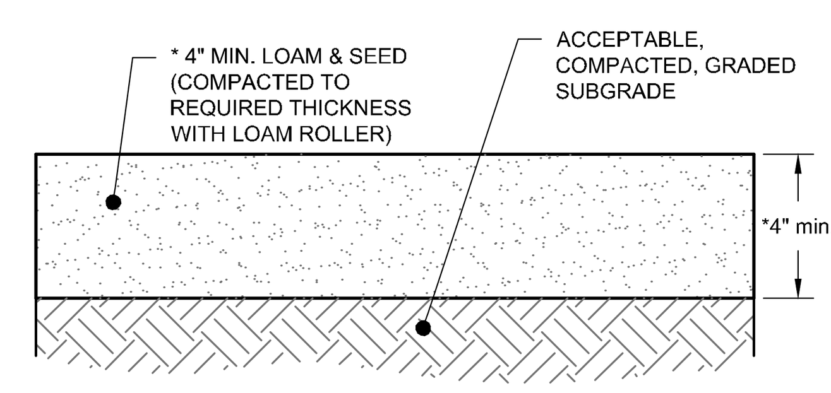
NOTES: SILT SOXX OR EQUIVALENT MAY BE USED.

EROSION CONTROL LOG - CURB INLET PROTECTION
N.T.S.

GENERIC SEED MIXTURE or SESC MANUAL SEED MIXTURE

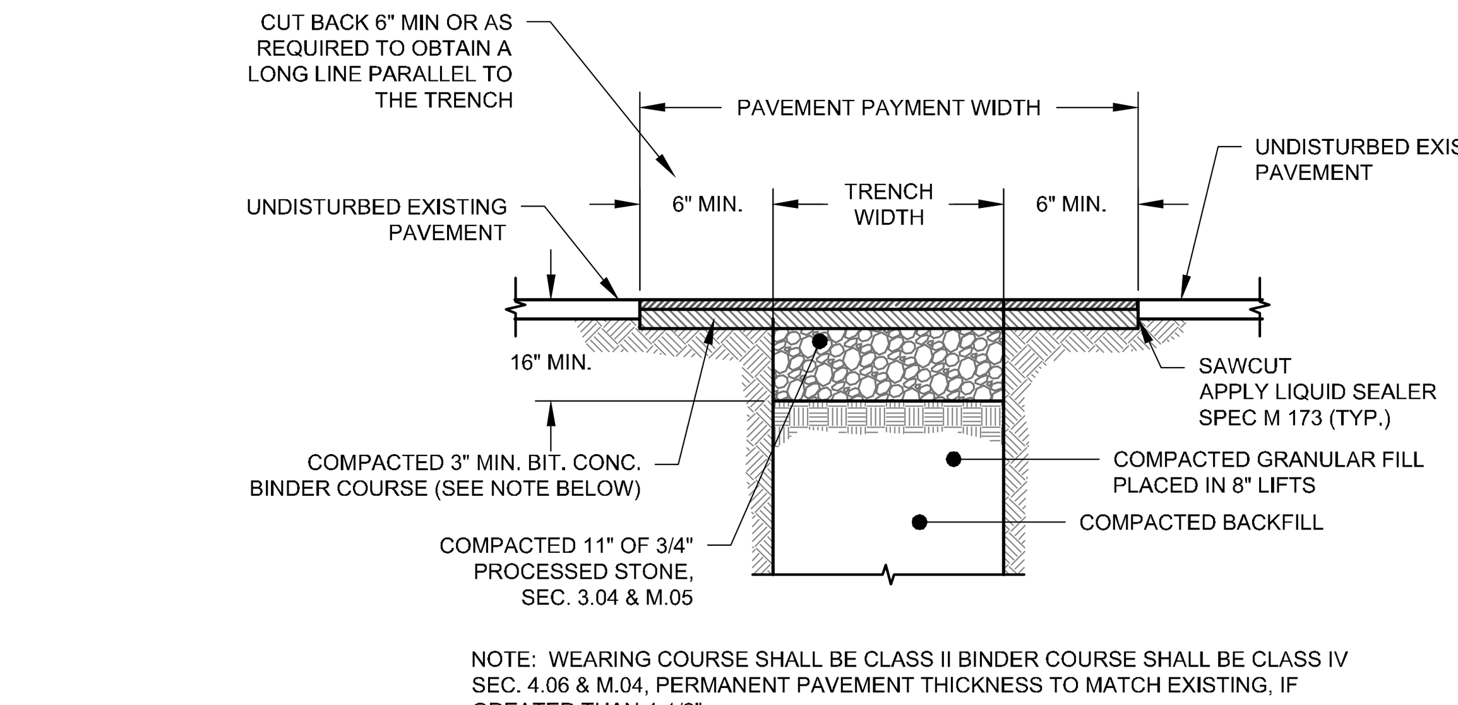
- 25-30% KENTUCKY BLUE GRASS 80% GERMINATION
- 30-35% RED FESCUE 90% GERMINATION
- 30-40% PERENNIAL RYE GRASS MIXTURES 85% GERMINATION

PERMANENT GRASS SEEDING PER FIGURE PS-2 & PS-3 OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL



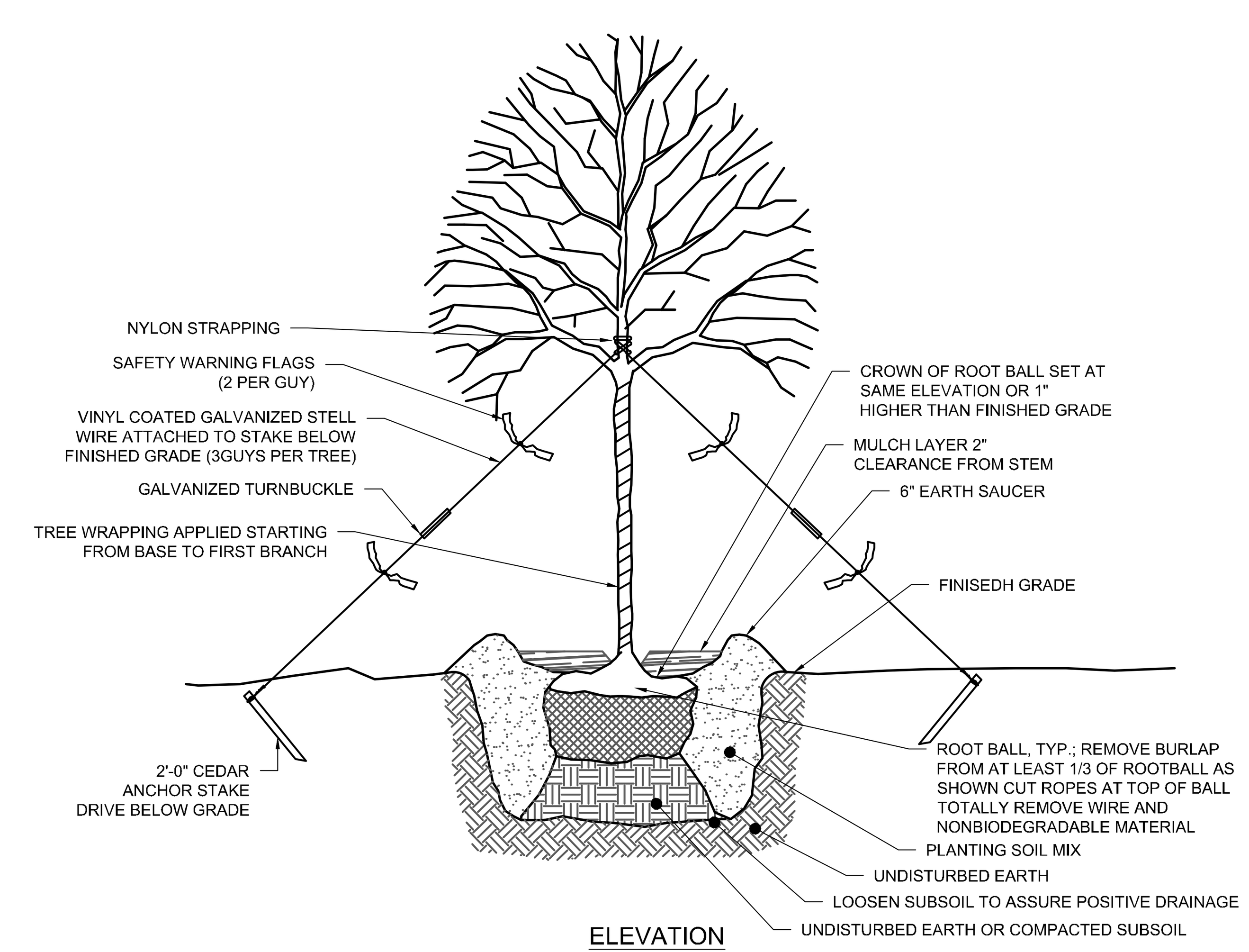
*ALL LANDSCAPE/PLANTING AREAS SHALL RECEIVE LOAM AND SEED.

LOAM & SEED DETAIL
N.T.S.

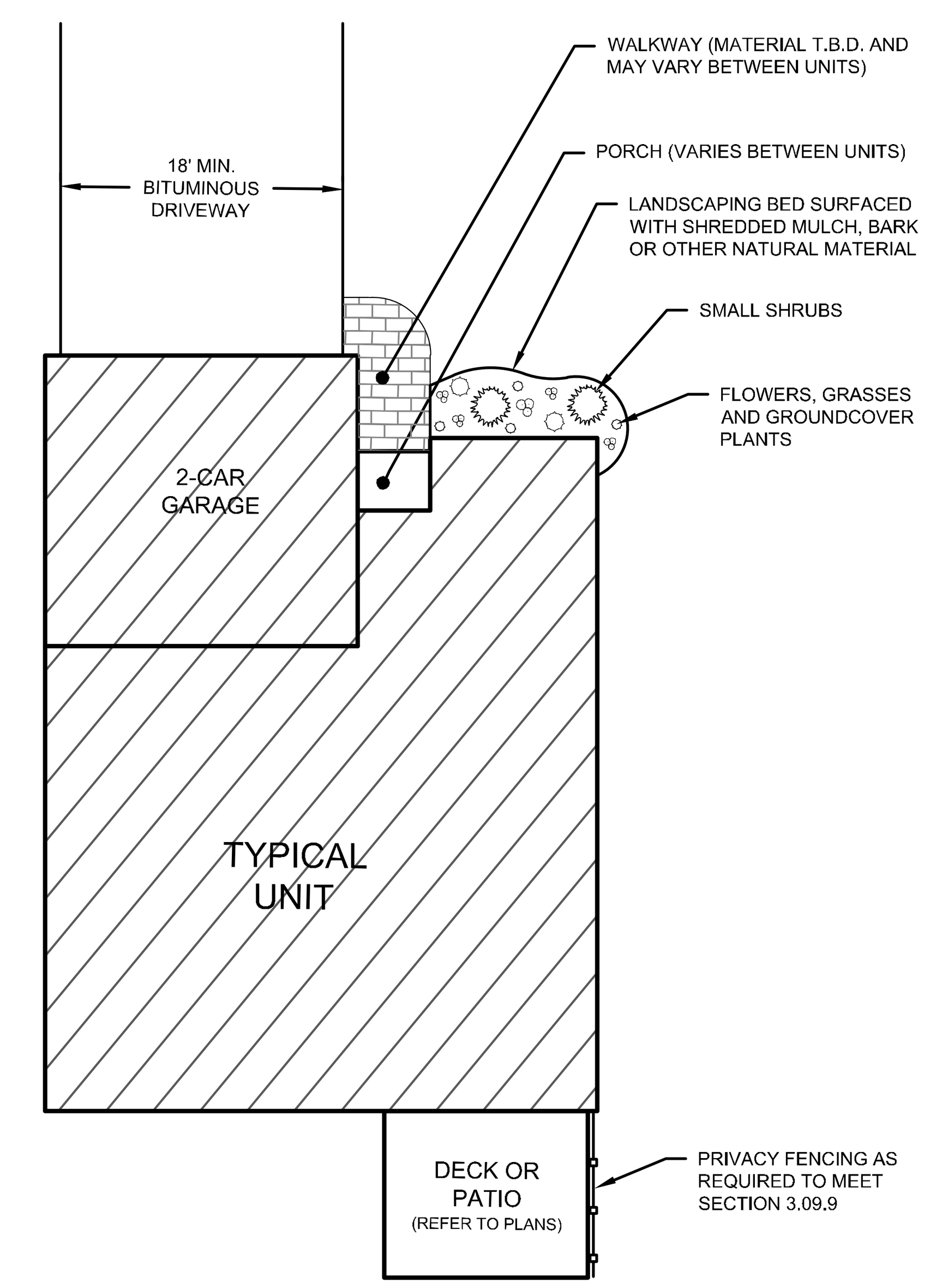


NOTE: WEARING COURSE SHALL BE CLASS II BINDER COURSE SHALL BE CLASS IV SEC. 4.06 & M.04, PERMANENT PAVEMENT THICKNESS TO MATCH EXISTING, IF GREATER THAN 4-1/2"

PERMANENT PAVEMENT PATCH DETAIL
N.T.S.



TREE PLANTING AND GUYING DETAIL INSTALLED IN OPEN AREAS
N.T.S.



TYPICAL UNIT FOUNDATION PLANTING & PATIO/DECK DETAIL
N.T.S.

cole
HARRY E. COLE & SON
engineering. surveying. planning.
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Tel: (860) 628-4484
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PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

DETAILS

Scale:

N.T.S.

Date: September 1, 2022

Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: MSL

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
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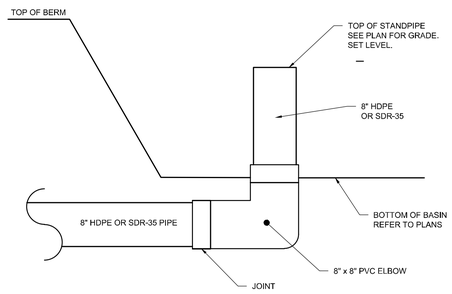
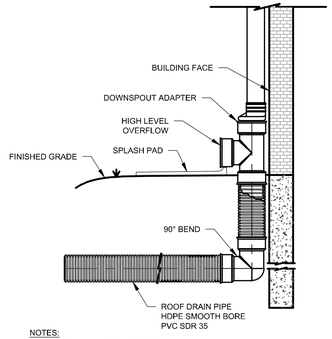
Sheet #:

D1

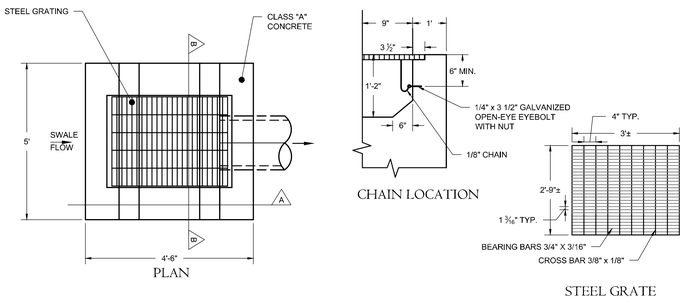


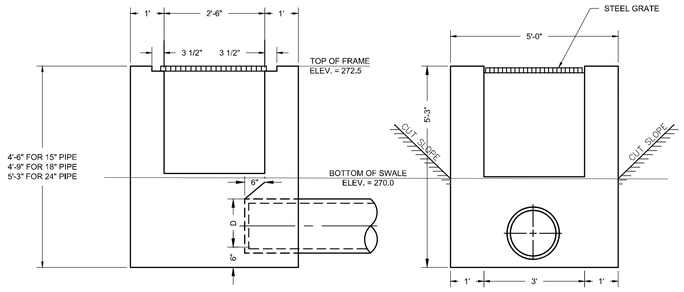
DRAINAGE RISER
N.T.S.



NOTES:
1. JOINTS SHALL BE WATERTIGHT

ROOF DRAIN WITH HIGH LEVEL OVERFLOW
N.T.S.

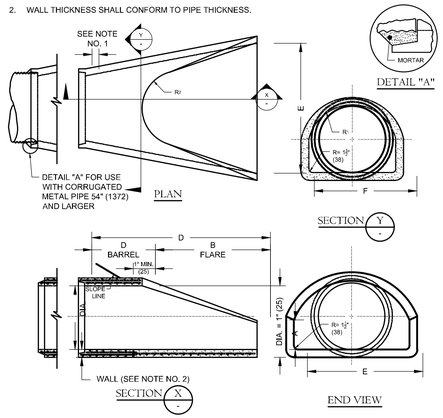




NOTES:
1. All exposed surfaces corners shall be chamfered
2. Steel grating shall be mechanically lacked under hydraulic pressure, welded, or electroforged.
3. Steel grate shall be galvanized in accordance with CONN. DOT. M.06.03.

D-G ENDWALL DETAIL
N.T.S.

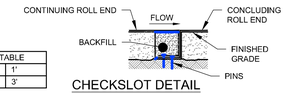
GENERAL NOTES:
1. JOINTS SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT AS REQUIRED TO CONFORM TO PIPE INSTALLED.
2. WALL THICKNESS SHALL CONFORM TO PIPE THICKNESS.



DIMENSIONS FOR REINFORCED CONCRETE CULVERT END									FLARE REINFORCEMENT ONE LAYER ONLY IN CENTER OF WALL	
DIA.	A	B	C	D	E	F	R_1	R_2	MIN. AREA OF LONGITUDINAL STEEL SQ. IN. PER FT.	MIN. AREA OF TRANSVERSE STEEL SQ. IN. PER FT.
12"(305)	4"(102)	2'-0"(610)	4'-0"(1241)	6'-0"(1851)	2'-0"(610)	1'-7½"(506)	10"(260)	9"(229)	0.048	0.048
15"(381)	6"(152)	2'-3"(686)	3'-10"(1168)	6'-1"(1854)	2'-6"(762)	2'-0½"(618)	1'-0"(318)	11"(279)	0.054	0.054
18"(457)	9"(229)	2'-3"(686)	3'-10"(1168)	6'-1"(1854)	3'-0"(914)	2'-0"(737)	1'-3"(394)	1'-0"(305)	0.060	0.060
21"(533)	9"(229)	2'-11"(889)	3'-2"(965)	6'-1"(1854)	3'-6"(1067)	2'-7"(800)	1'-4"(406)	1'-1"(330)	0.066	0.066
24"(610)	9"(241)	3'-7"(1105)	2'-6"(762)	6'-1"(1867)	4'-0"(1219)	2'-9½"(843)	1'-6"(427)	1'-2"(356)	0.072	0.072
30"(762)	1'-0"(305)	4'-6"(1371)	1'-7"(502)	6'-1"(1873)	5'-0"(1524)	3'-1"(940)	1'-9"(470)	1'-3"(381)	0.084	0.084
36"(914)	1'-3"(381)	5'-2"(1600)	2'-10"(883)	8'-1"(2463)	6'-0"(1829)	3'-11"(1214)	2'-0"(618)	1'-6"(508)	0.096	0.096
42"(1067)	1'-6"(534)	5'-3"(1600)	2'-11"(889)	8'-2"(2489)	6'-6"(1981)	4'-5"(1368)	2'-3"(699)	1'-10"(559)	0.108	0.108
48"(1219)	2'-0"(610)	6'-0"(1829)	2'-2"(660)	8'-2"(2489)	7'-0"(2134)	4'-8"(1435)	2'-4"(724)	1'-10"(559)	0.120	0.120
54"(1372)	2'-3"(686)	5'-5"(1651)	2'-11"(889)	8'-4"(2540)	7'-6"(2286)	5'-5"(1664)	2'-8"(841)	2'-0"(610)	0.132	0.132
60"(1524)	2'-6"(838)	5'-0"(1524)	3'-3"(991)	8'-3"(2515)	8'-0"(2438)	6'-0"(1842)	3'-0"(932)	2'-0"(610)	0.144	0.144

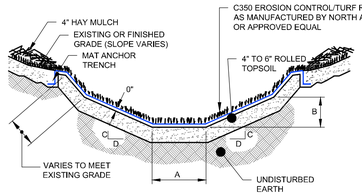
REINFORCED CONCRETE CULVERT END
N.T.S.

NOTES:
1. SITE PREPARATION: GRADE SURFACE OF INSTALLATION AREAS SO GROUND IS SMOOTH AND COMPACT. REMOVE ALL ROCKS, ROOTS AND OTHER OBSTRUCTIONS FROM LYING IN DIRECT CONTACT WITH THE SOIL SURFACE AND THE MAT.
2. PROVIDE 4" TO 6" ROLLED TOPSOIL, SEED, AND FERTILIZE. INSTALL MAT AS DIRECTED BELOW AND RESEED AREAS DISTURBED DURING MAT INSTALLATION. SEED DISTURBED ARES OUTSIDE OF MAT INSTALLATION AND MULCH WITH HAY.
3. PREPARE 6" X 12" MAT ANCHOR TRENCHES AT TERMINAL ENDS 6" X 6" PERIMETER TRENCHES AT SIDES OF INSTALLATION.
4. GROUND FASTENING: 18" PINS, 3/16"Ø, WITH ATTACHED 1 1/2" WASHERS, PIN EACH MAT AT CENTER AND AT OVERLAPPED EDGES.
5. ROLL WIDTH OVERLAPS SHALL BE A MINIMUM OF 3". PIN AT 3' TO 5' INTERVALS. SPLICE ROLL ENDS IN A 6" X 6" CHECK SLOT.
6. BACKFILL TO COVER CONCLUDING AND CONTINUING ENDS AND FASTENERS, TAMP FIRMLY, AND ROLL CONTINUING MAT ROLL ACROSS BACKFILL AND PIN AGAIN.
7. PERIMETER TRENCHES SHOULD ONLY BE DUG UPON REACHING ACTUAL PERIMETER OF INSTALLATION. PIN AT 3' T0 5' INTERVALS PRIOR TO BACKFILLING AND TAMPING



DIMENSIONING TABLE			
A	1'	C	1'
B	1' (MIN.)	D	3'

CHECKSLOT DETAIL



REINFORCED GRASS LINED SWALE DETAIL
N.T.S.

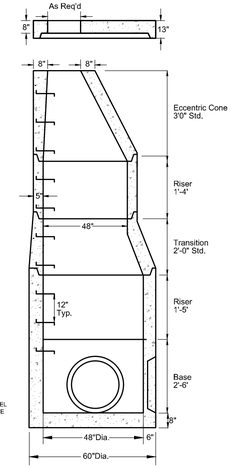
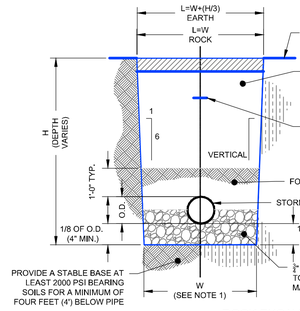


TABLE I	
PIPE DIAMETER	MH=BARREL DIAMETER (MIN)
24" OR LESS	4'
27"-36"	5'
42"	6'
48"	7'
54"-60"	8'

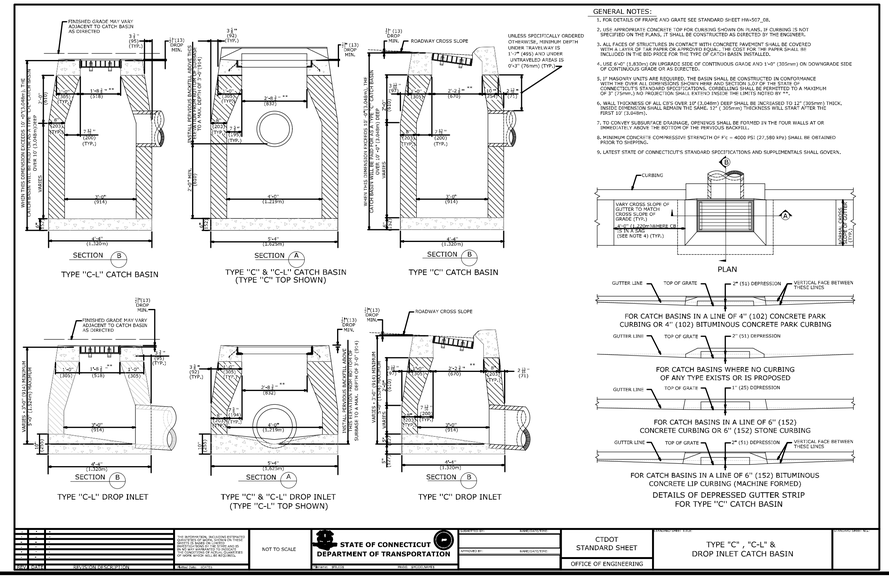
MINIMUM MANHOLE BARREL DIAMETER FOR STRAIGHT THRU ROUND PIPE ONLY. MANHOLE BARREL DIAMETERS FOR PIPES ON AN ANGLE OR NON-ROUND PIPES SHOULD BE COMPUTED BY THE ENGINEER.

NOTES:
1. Reinforcing steel conforms to latest ASTM A185 Spec. 0.24 sq. in/lin ft. and 0.24 sq. in. (both ways) base bottom. Flat slab tops for AASHTO H20-44.
2. Reinforcing steel conforms to latest ASTM A185 Spec. 0.12 sq. in./in. P8. 3.
3. Concrete compressive strength - 4,000 PSI - 28 days.
4. Manhole design specifications confrom to latest ASTMC478 Spec. for "Precast Concrete Manhole Sections".
5. One pour monolithic Base.
6. Steel Reinforced Copolymer Polypropylene plastic step (PS2-PFSL M.A. INDUSTRIES, INC.) conforms to latest ASTMC478 PARA-11.
7. Butyl Rubber Section Joint conforms to latest ASTM C443 SPEC and SPEC FEDERAL SS-S-210A.
8. When specified Manholes coated with KOPPERS SUPER SERVICE BLACK or equal.

STORMWATER PRECAST CONCRETE MANHOLE DETAIL
N.T.S.



STORM CLASS 'C' TRENCH DETAIL
N.T.S.



DESIGNED BY: BTP	DRAWN BY: BTP	CHECKED BY: BNB	NOT TO SCALE	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
DATE: 10/31/2022	SCALE: AS SHOWN	DATE: 10/31/2022		APPROVED BY: NAME/SIGNATURE
				DATE: 10/31/2022

C'DOT STANDARD SHEET — OFFICE OF ENGINEERING

TYPE "C" , "C-L" & DROP INLET CATCH BASIN

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PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

DETAILS

Scale: N.T.S.

Date: September 1, 2022

Project #: 2235 | F.B. #: ----

Drawn By: BTP | Approved By: BNB

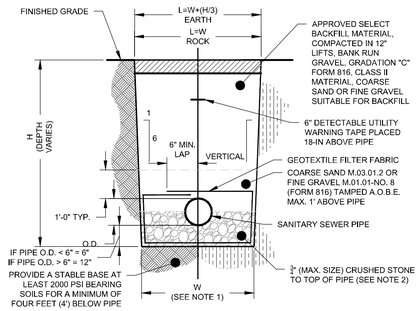
Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

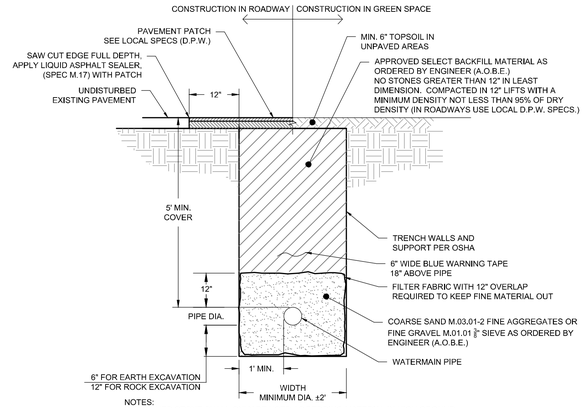
D2

NOTES:
1. FOR UNSHEETED TRENCH WHERE PIPE O.D. IS 6" OR LESS THAN, PAYMENT WIDTH (W) = 2'-6", WHERE PIPE O.D. IS GREATER THAN 6" BUT LESS THAN OR EQUAL TO 36" THEN, W = O.D. + 2'-0", WHERE PIPE O.D. IS GREATER THAN 36" THEN, W = O.D. + 3'-0".
2. IF SUITABLE GRANULAR PIPE BEDDING MATERIAL IS AVAILABLE FROM ON SITE EXCAVATIONS, IT SHALL BE UTILIZED PROVIDED IT CONFORMS WITH THE "STANDARD SPECIFICATIONS", AND IS APPROVED BY THE ENGINEER. NO PAYMENT SHALL BE MADE FOR THIS MATERIAL.
3. TYPICAL FOR ALL FLEXIBLE PIPE MATERIALS, I.E. PVC, CCP, POLYETHYLENE, FRP, AND ABS TRUSS.
4. SHEETING OR SHORING OF TRENCH WALLS, WHERE UNSUITABLE CONDITIONS EXIST, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. FOR ROCK REMOVAL DEPTHS GREATER THAN 10', INCREASE PAYMENT WIDTH (W) BY 6". REMOVAL DEPTH SHALL BE MEASURED FROM THE TOP OF EXPOSED SURFACE.



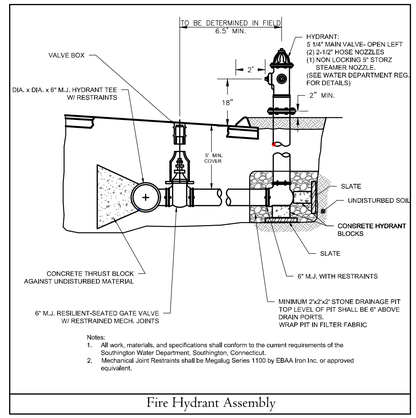
EARTH EXCAVATION ROCK EXCAVATION

SANITARY CLASS 'B' TRENCH DETAIL
N.T.S.



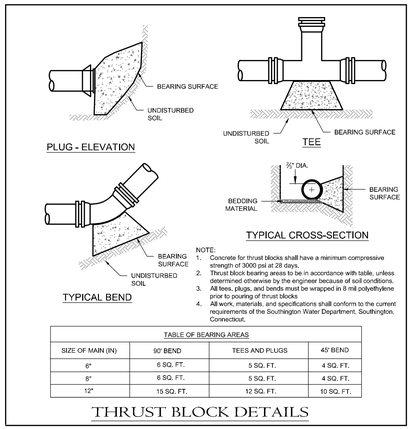
NOTES:
1. CRUSHED STONE SHALL ONLY BE USED AS BEDDING MATERIAL IN HIGH GROUND WATER CONDITIONS. APPROVAL FROM LOCAL AUTHORITY (WATER DEPARMENT\DPW) IS REQUIRED PRIOR TO INSTALLATION
2. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM WITH LOCAL STANDARDS

TYPICAL WATERMAIN TRENCH
N.T.S.



Notes:
1. All work, materials, and specifications shall conform to the current requirements of the Southington Water Department, Southington, Connecticut.
2. Mechanical Joint Restraints shall be Megalug Series 1100 by EBAA Iron Inc. or approved equivalent.

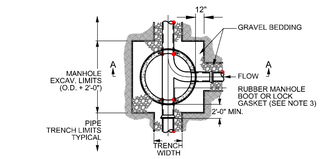
Fire Hydrant Assembly



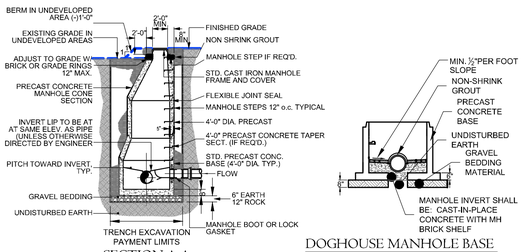
NOTE:
1. Concrete for thrust blocks shall have a minimum compressive strength of 3000 psi at 28 days.
2. Thrust block bearing areas to be in accordance with table, unless determined otherwise by the engineer because of soil conditions.
3. All tees, plugs, and bends must be wrapped in 8 mil polyethylene prior to pouring of thrust blocks.
4. All work, materials, and specifications shall conform to the current requirements of the Southington Water Department, Southington, Connecticut.

TABLE OF BEARING AREAS			
SIZE OF MAIN (IN)	90° BEND	TEES AND PLUGS	45° BEND
6"	6 SQ. FT.	5 SQ. FT.	4 SQ. FT.
8"	6 SQ. FT.	5 SQ. FT.	4 SQ. FT.
12"	15 SQ. FT.	12 SQ. FT.	10 SQ. FT.

THRUST BLOCK DETAILS



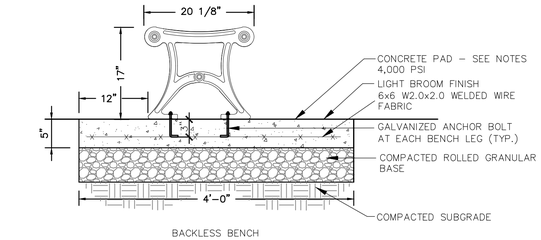
PLAN AT INVERT



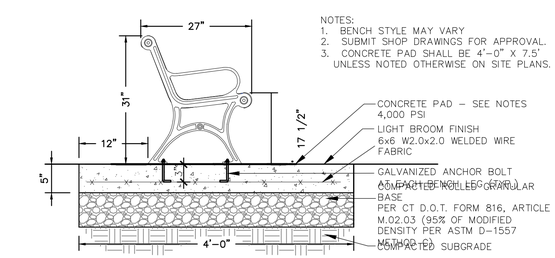
SECTION A-A

NOTES:
1. 4000 PSI CONCRETE SHALL BE USED FOR ALL PRECAST BASES, SUMPS, TRANSITION, RISER AND CORBEL SECTIONS. REINFORCING AND SPECIFICATIONS SHALL CONFORM TO ASTM C-478, LATEST REVISED EDITION.
2. UNUSED KNOCKOUTS SHALL BE BRICKED UP.
3. RUBBER BOOTS OR LOCK GASKETS SHALL BE PROVIDED WHERE PIPE ENTERS OR LEAVES MANHOLE.
4. MANHOLE PIPE STUBS SHALL NOT EXCEED 2'-0" IN LENGTH AND SHALL BE PLUGGED WATER TIGHT. FRAMES AND COVERS SHALL BE CAMPBELL PATTERN NO. 1005. CASTINGS SHALL BE PROVIDED WITH LETTERS "DRAIN" OR "SEWER", AS REQUIRED.
5. CONCRETE RISER SECTION COAT THE OUTSIDE WALLS WITH COAL TAR EPOXY (SAN. M.H.'S ONLY)

PRECAST CONCRETE SANITARY MANHOLE DETAIL
N.T.S.



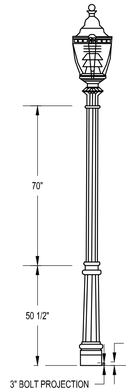
BACKLESS BENCH



NOTES:
1. BENCH STYLE MAY VARY
2. SUBMIT SHOP DRAWINGS FOR APPROVAL.
3. CONCRETE PAD SHALL BE 4'-0" X 7.5' UNLESS NOTED OTHERWISE ON SITE PLANS.

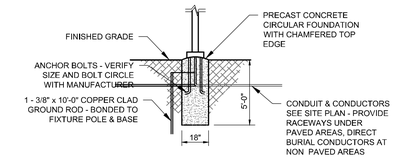
BENCH ON CONCRETE PAD DETAIL
N.T.S.

OR SIMILAR AS APPROVED BY OWNER

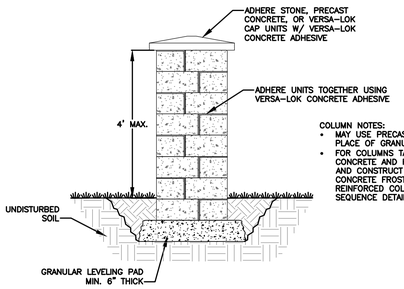


LAMP POST DETAIL
N.T.S.

OR SIMILAR FIXTURE APPROVED BY OWNER



STREET LIGHT POLE FOUNDATION
N.T.S.



COLUMN NOTES:
- MAY USE PRECAST CONCRETE PAD IN PLACE OF GRANULAR LEVELING PAD
- FOR COLUMNS TALLER THAN 4' PLACE CONCRETE AND REBAR WITHIN THE COLUMN, AND CONSTRUCT ON A REINFORCED CONCRETE FROST FOOTING. SEE REINFORCED COLUMN INSTALLATION SEQUENCE DETAIL

20" STANDARD COLUMN SECTION
STANDARD-UNREINFORCED COLUMN (4' TALL MAX.)
SCALE: NONE

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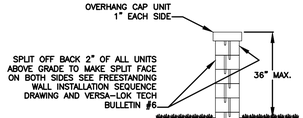
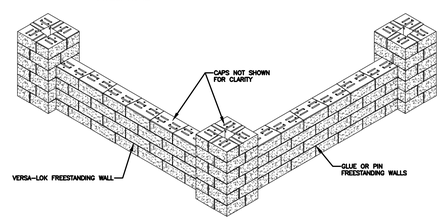


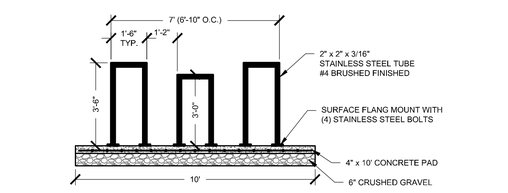
FREESTANDING WALL DETAIL
STANDARD UNIT-AT GRADE
SCALE: NONE



COLUMNS WITH FREESTANDING WALLS
COLUMNS
SCALE: NONE

DECORATIVE WALL AND COLUMN DETAILS
N.T.S.

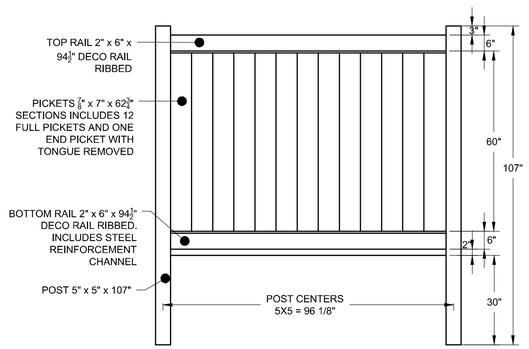
OR SIMILAR AS APPROVED BY OWNER



NOTE:
1. DETAIL DEMONSTRATES CONFIGURATION AND LAYOUT FOR 7 BICYCLE RACK LOCATIONS. REFER TO SITE PLAN FOR # OF BICYCLE RACKS PER LOCATION.
2. INSTALLATION OF RACKS PER MANUFACTURE REQUIREMENTS.

TYPICAL BICYCLE RACK DETAIL
N.T.S.

OR SIMILAR AS APPROVED BY OWNER



TYPICAL VINYL PRIVACY FENCE DETAIL
N.T.S.

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engineering. surveying. planning.
876 South Main Street
P.O. Box 44
Plantsville, CT 06479 - 0044
Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

DETAILS

Scale: N.T.S.

Date: September 1, 2022

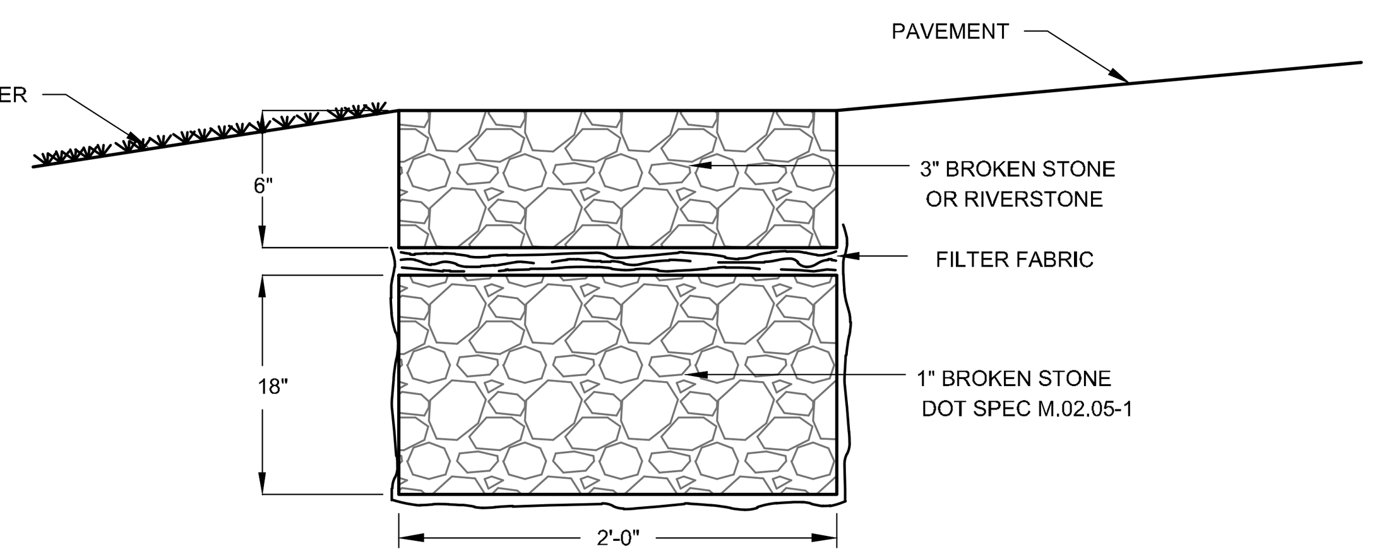
Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: BNB

Revisions:

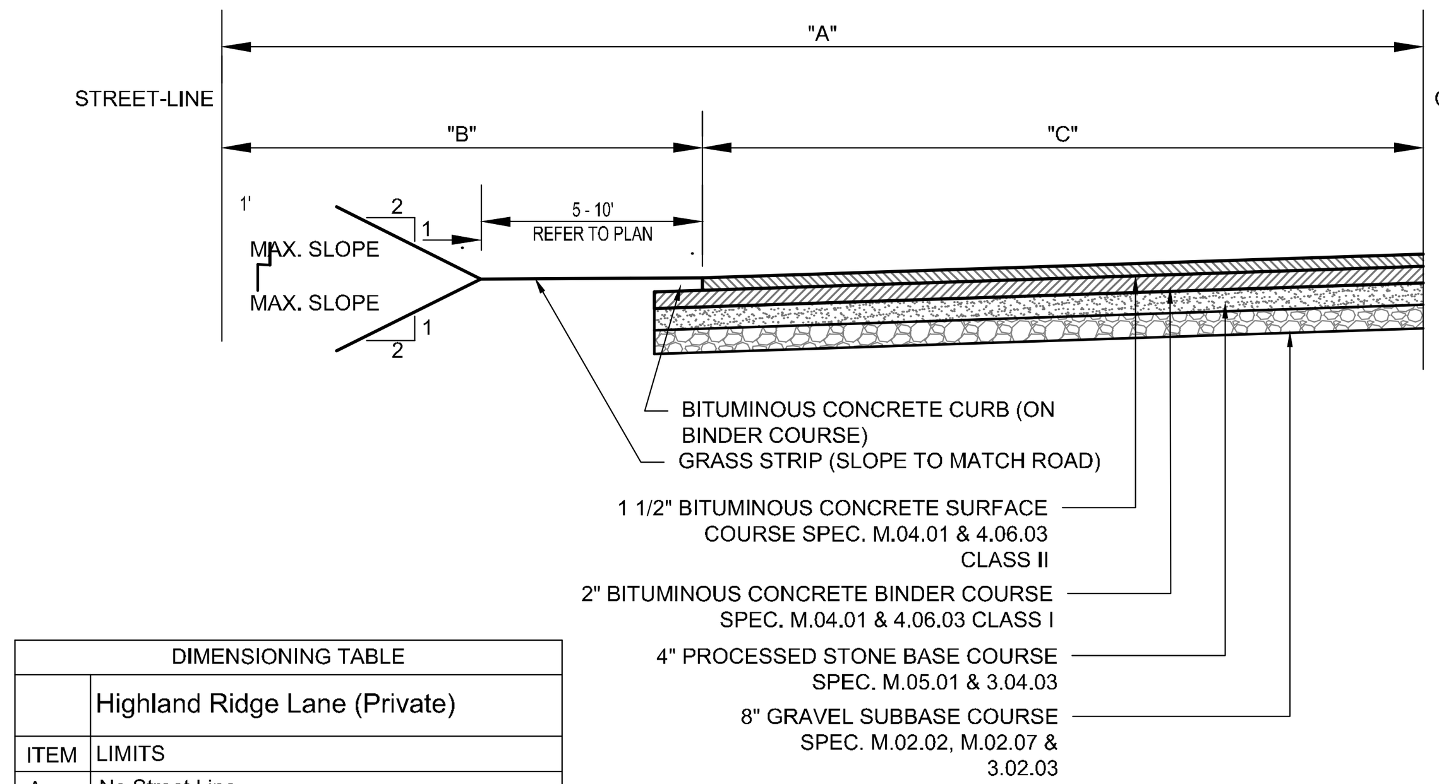
Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
----	----

Sheet #:

D3



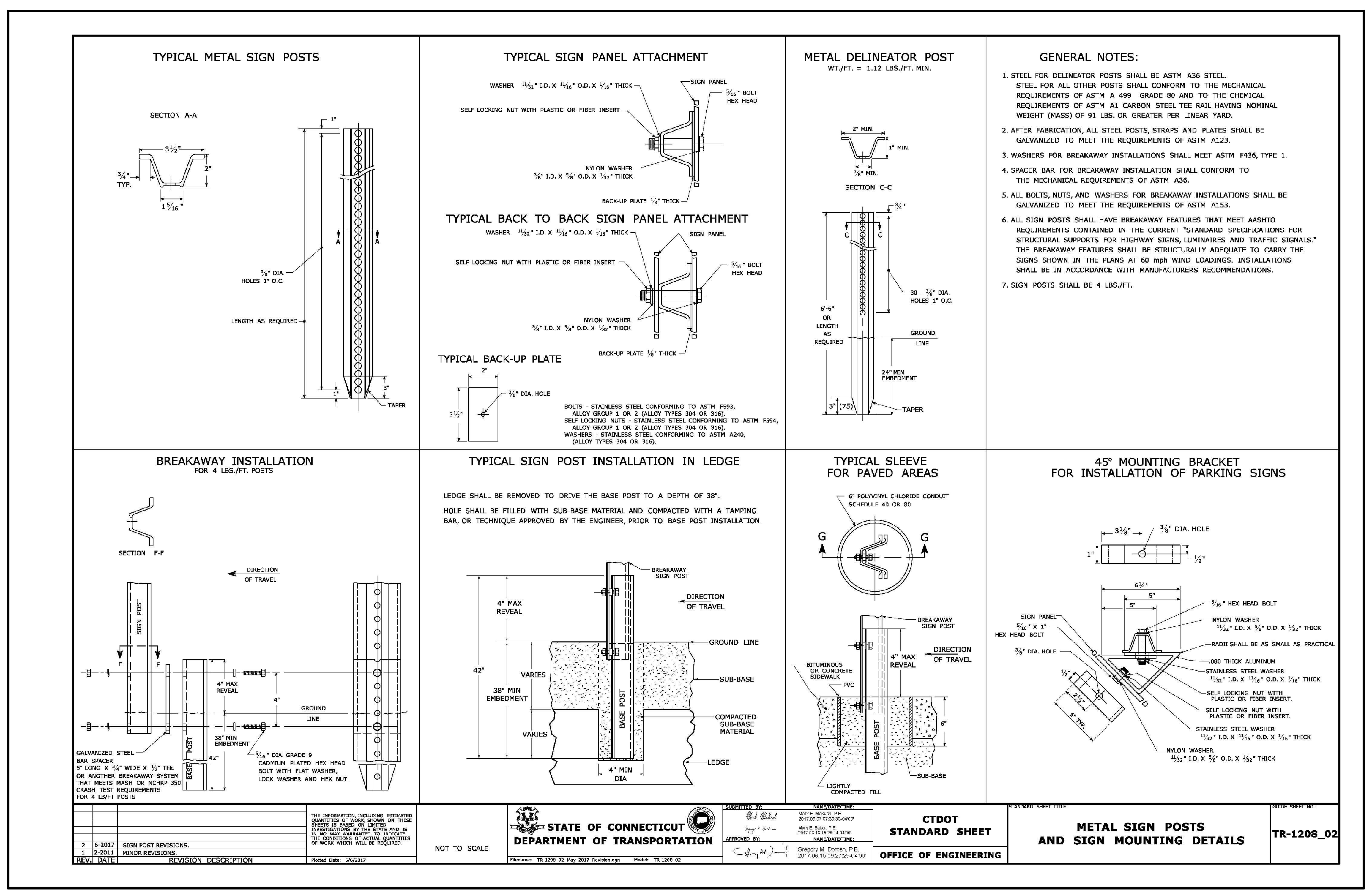
STONE PRETREATMENT STRIPS
N.T.S.



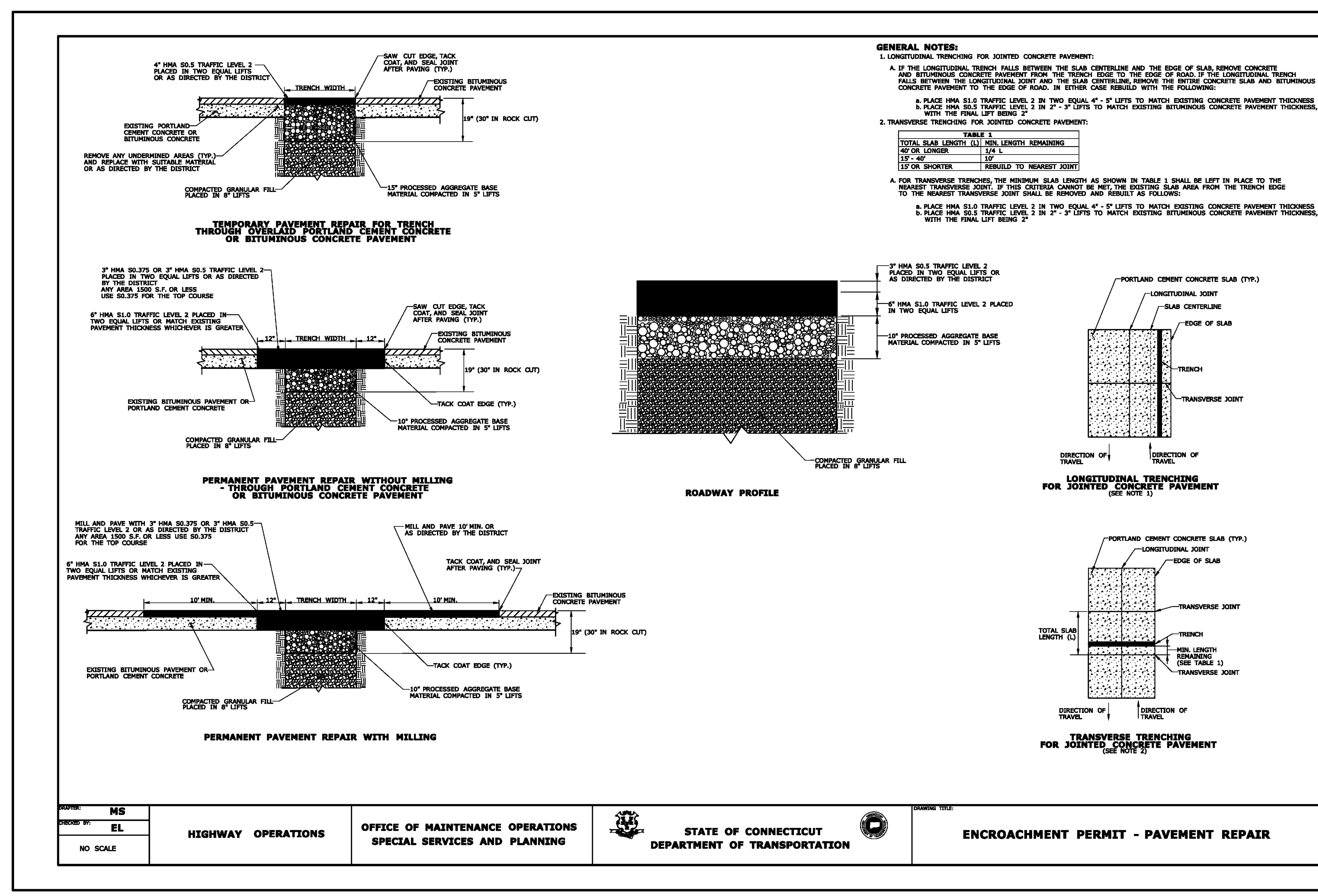
"A"
STREET-LINE
CENTER-LINE
"B"
"C"
5 - 10'
REFER TO PLAN
MAX. SLOPE
MAX. SLOPE
BITUMINOUS CONCRETE CURB (ON BINDER COURSE)
GRASS STRIP (SLOPE TO MATCH ROAD)
1 1/2" BITUMINOUS CONCRETE SURFACE COURSE SPEC. M.04.01 & 4.06.03 CLASS II
2" BITUMINOUS CONCRETE BINDER COURSE SPEC. M.04.01 & 4.06.03 CLASS I
4" PROCESSED STONE BASE COURSE SPEC. M.05.01 & 3.04.03
8" GRAVEL SUBBASE COURSE SPEC. M.02.02, M.02.07 & 3.02.03

DIMENSIONING TABLE	
Highland Ridge Lane (Private)	
ITEM	LIMITS
A	No Street Line
B	No Street Line
C	10'

STANDARD ROAD SECTION FOR CONSTRUCTION OF PRIVATE ROADWAY
N.T.S.



TYPICAL METAL SIGN POSTS
TYPICAL SIGN PANEL ATTACHMENT
TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT
TYPICAL BACK-UP PLATE
METAL DELINEATOR POST
GENERAL NOTES:
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.
BREAKAWAY INSTALLATION
TYPICAL SIGN POST INSTALLATION IN LEDGE
TYPICAL SLEEVE FOR PAVED AREAS
45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS
NOT TO SCALE
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
CTDOT STANDARD SHEET
OFFICE OF ENGINEERING
METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1208_02



GENERAL NOTES:
1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:
A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:
a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"
2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:
TABLE 1
TOTAL SLAB LENGTH (L) | MIN. LENGTH REMAINING
40' OR LONGER | 1/4 L
15' - 40' | 10'
15' OR SHORTER | REBUILD TO NEAREST JOINT
A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:
a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"
TEMPORARY PAVEMENT REPAIR FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT
PERMANENT PAVEMENT REPAIR WITHOUT MILLING - THROUGH PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT
PERMANENT PAVEMENT REPAIR WITH MILLING
3" HMA S0.5 TRAFFIC LEVEL 2 PLACED IN TWO EQUAL LIFTS OR AS DIRECTED BY THE DISTRICT
6" HMA S1.0 TRAFFIC LEVEL 2 PLACED IN TWO EQUAL LIFTS
10" PROCESSED AGGREGATE BASE MATERIAL COMPACTED IN 5" LIFTS
COMPACTED GRANULAR FILL PLACED IN 6" LIFTS
ROADWAY PROFILE
PORTLAND CEMENT CONCRETE SLAB (TYP.)
LONGITUDINAL JOINT
SLAB CENTERLINE
EDGE OF SLAB
LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT
TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT
MS
EL
NO SCALE
HIGHWAY OPERATIONS
OFFICE OF MAINTENANCE OPERATIONS SPECIAL SERVICES AND PLANNING
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT - PAVEMENT REPAIR

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P.O. Box 44
Plantsville, CT 06479 - 0044
Tel: (860) 628-4484
Fax: (860) 620-0196
www.hecole.com

PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

DETAILS

Scale:

N.T.S.

Date: September 1, 2022

Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
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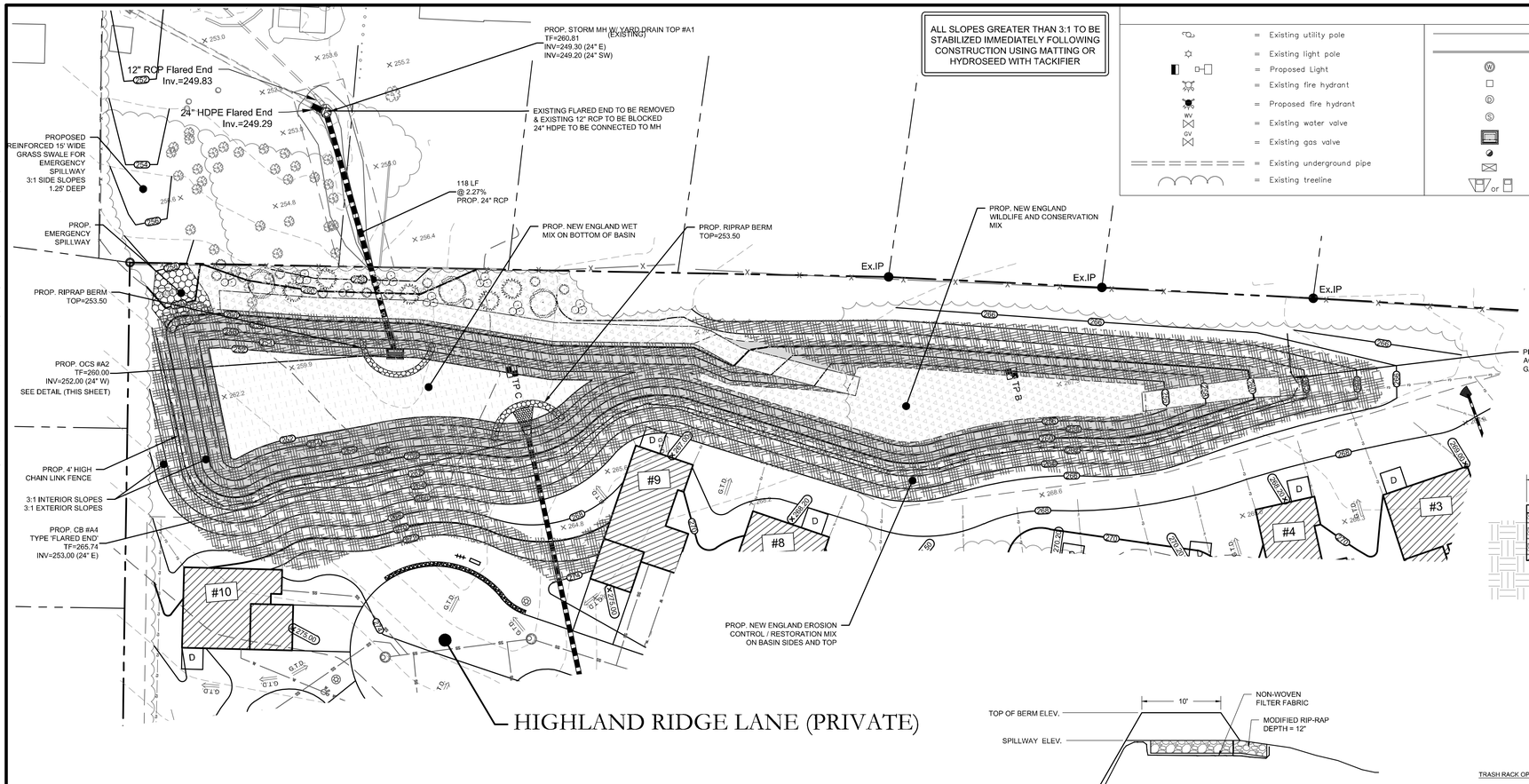
Sheet #:

D4

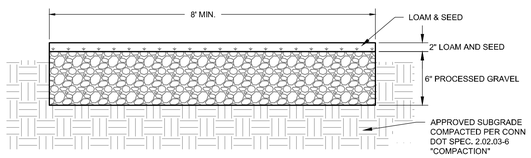


ALL SLOPES GREATER THAN 3:1 TO BE STABILIZED IMMEDIATELY FOLLOWING CONSTRUCTION USING MATTING OR HYDROSEED WITH TACKIFIER

LEGEND

- = Existing utility pole
- = Existing light pole
- = Proposed Light
- = Existing fire hydrant
- = Proposed fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing treeline
- = Existing edge of pavement
- = Proposed curbing
- = Existing/Proposed well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- = Proposed catch basin
- = Proposed manhole
- = Existing utility box
- = Proposed sidewalk ramp
- = Existing contour
- = Existing spot elevation
- = Proposed contour
- = Proposed spot elevation
- = Deep test location
- = Percolation test location
- = Grade to drain
- = Proposed Riprap
- = Proposed Drainage Pipe

NORTH



DETENTION ACCESS DRIVE DETAIL
N.T.S.

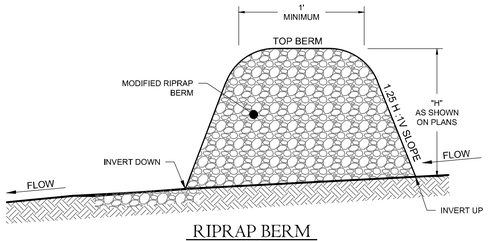
SEED MIX & FABRIC LEGEND

NEW ENGLAND WET MIX
APPLICATION RATE: 1 POUND/5,000 SQ. FT.
LOCATION: BASIN BOTTOM

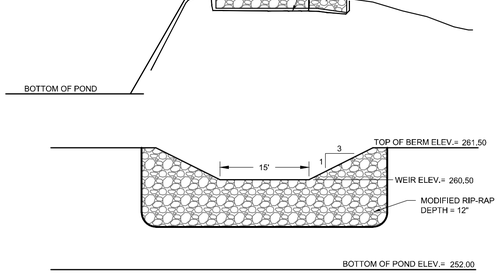
NEW ENGLAND WILDLIFE AND CONSERVATION MIX
APPLICATION RATE: 3 LB/5,000 SQ. FT.
LOCATION: DISTURBED AREAS SURROUNDING BASIN

NEW ENGLAND EROSION CONTROL/RESTORATION MIX
APPLICATION RATE: 1 LB /1,250 SQ. FT.
LOCATION: BASIN SIDES AND TOP

SLOPE WITH EROSION CONTROL FABRIC
S150 BY NORTH AMERICAN GREEN
OR APPROVED EQUAL
(LOAM AND SEED, THEN APPLY FABRIC)
ALL SLOPES 3:1 OR STEEPER



RIPRAP BERM
N.T.S.



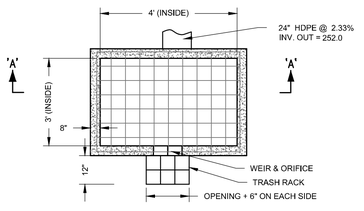
MODIFIED RIP-RAP SPILLWAY DETAIL
N.T.S.

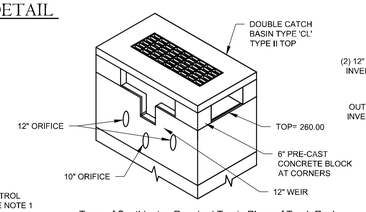
NOTES:
1. DETAIL IS FOR ILLUSTRATION PURPOSES ONLY. INSTALL STRUCTURE IN ACCORDANCE WITH LOCAL CONSTRUCTION STANDARDS.
2. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF THE STRUCTURE.
3. THE STRUCTURE SHALL BE INSTALLED WATERTIGHT WITH ALL JOINTS PARGED WITH WATER PLUG, AND FROM 6" BELOW THE INLET WEIR AND DOWN THE EXTERIOR WALLS AND BOTTOM SHALL BE EPOXY COATED.

TRASH RACK OPTIONS:

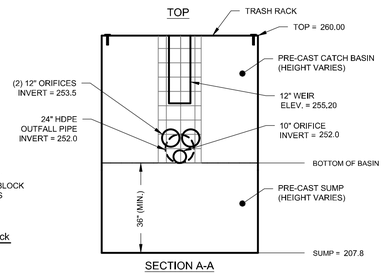
A:
- MANUFACTURED BY PLASTIC SOLUTIONS INC. or EQUAL
- INSTALLED PER MANUFACTURES RECOMMENDATIONS.

B:
- 3.0 LBS/SF EXPANDED STEEL GRATE WELDED TO STEEL FRAME
- LWD=3.44", SWD=0.94" WIDTH = 0.264"
- 1 1/2" x 1 1/2" x 1/4" STEEL ANGLE FRAME WORK.
- STEEL SHALL CONFORM TO ASTM A-36
- ALL SURFACES SHALL BE GALVANIZED AND WELDS SHALL BE COATED WITH A GALVANIZING COMPOUND AFTER WELDING.
- FABRICATOR MAY MODIFY COMPONENTS TO IMPROVE CONTRACTIBILITY.



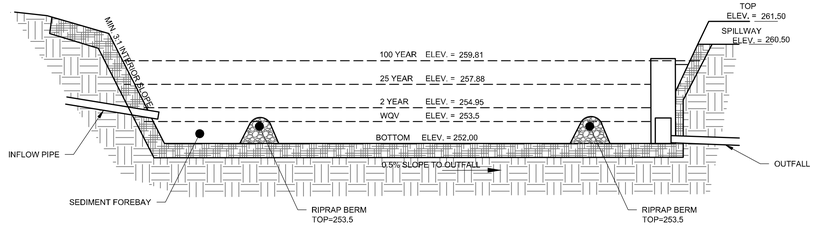


Town of Southington Required Top in Place of Trash Rack



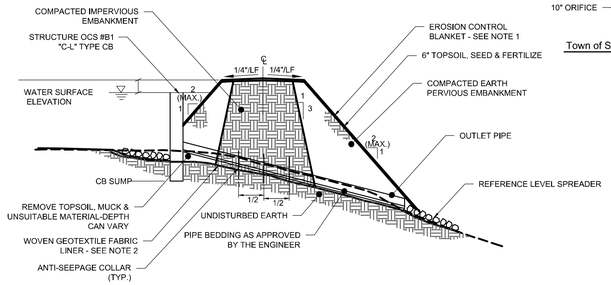
SECTION A-A

OUTLET CONTROL STRUCTURE DETAIL
N.T.S.



BASIN SCHEMATIC
N.T.S.

NOTES:
1. STRAW BLANKETS SHALL BE S150 AS MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL.
2. GEOTEXTILE FABRIC LINER SHALL BE MIRAFI 500X OR APPROVED EQUAL TO BE USED AT THE DISCRETION OF THE ENGINEER UPON INSPECTION OF THE SOIL CONDITIONS.
3. MIRAMAT SHALL BE AS MANUFACTURED BY MIRAFI, INC. OR APPROVED EQUAL INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. MODIFIED RIP-RAP OR ROCK REVETMENT UTILIZING ON-SITE MATERIALS SHALL BE ACCEPTABLE AS PER THE ENGINEERS INSTRUCTIONS. INSTALL MIRAMAT-TM8 (GREEN) SLOPE REINFORCEMENT ALONG WET EDGE OF BASIN.



DETENTION BASIN EMBANKMENT DETAIL
N.T.S.

811 Know what's below. Call before you dig.

#13653
Barton N. Bovee P.E. Reg. No.
NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO

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Plantsville, CT 06479 - 0044
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PROJECT NAME:

HIGHLAND RIDGE ACTIVE ADULT COMMUNITY

580 Meriden Waterbury Turnpike
Southington, Connecticut

PREPARED FOR:

AA DENORFIA BUILDING & DEVELOPMENT

Sheet Description:

DETENTION BASIN DETAILS

Scale: 30' 15' 0 15' 30'
1"=30'

Date: September 1, 2022

Project #: 2235	F.B. #: ----
Drawn By: BTP	Approved By: BNB

Revisions:

Date:	Descriptions:
Sept. 26, 2022	Revised per Town Comments
Oct. 20, 2022	Revised Detention Basin & Water
Oct. 31, 2022	Revised per Town Comments
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Sheet #:

DB1