

PROPOSED MULTI-FAMILY CONDOMINIUM DEVELOPMENT

LOUISE BERRY DRIVE
BROOKLYN, CONNECTICUT

PREPARED FOR:
SHANE POLLOCK

INDEX TO DRAWINGS

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LEGEND

●	IRON PIN TO BE SET
○	IRON PIN FOUND
○ DH	DRILL HOLE FOUND
□ CB	CATCH BASIN
Ø	UTILITY POLE
---	EXISTING CONTOURS
100	PROPOSED CONTOURS
+	INLAND WETLANDS FLAG
B	BUILDING SETBACK LINE
S	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
○ ○ ○ ○ ○	STONE WALL
○ ○ ○ ○ ○	STONE WALL REMAINS
-----	SILT FENCE

- GENERAL NOTES:
- Ownership of the stormwater basin and drainage system shall be the Homeowner's Association. The Town of Brooklyn will not assume responsibility as such.
 - There shall be no parking along the main access roadway or side drives. Appropriate signage shall be installed accordingly.

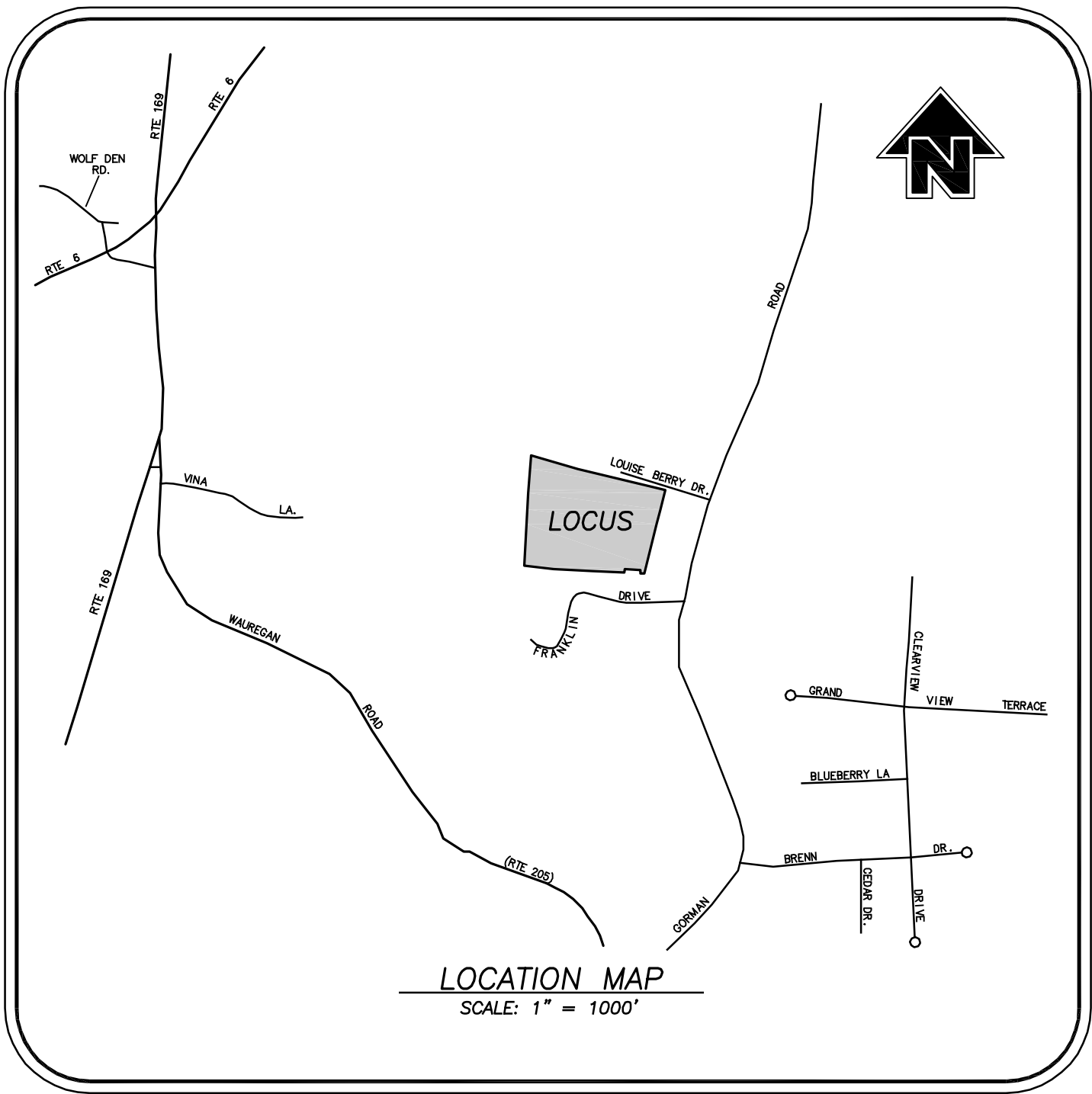


TABLE OF ZONING REQUIREMENTS		
ZONE = RA*		
	REQUIRED	PROVIDED
Lot Area	2 Acres	13.497 Acres
Front Yard Setback	50'	53.4'
Side Yard Setback	40'	48'
Rear Yard Setback	50'	257'
Building Height	35' Max.	<35'
Lot Frontage	150'	948'
Building Separation	40' min	40'-115'
DENSITY:	1 unit per every 5,000 s.f. 13.497 ac = 587,929 s/f - 117 units max 51 units proposed	
PARKING:	2 spaces per unit required - 102 required 2 garage spaces + 1 drive per unit proposed + 2 additional spaces - 155 spaces provided	

*Multi-family development in accordance with Section 6.E.
ZONE = RA*

PREPARED BY:

REVISIONS			Killingly Engineering Associates Civil Engineering & Surveying 114 Westcott Road P.O. Box 421 Killingly, Connecticut 06241 (860) 779-7299 www.killinglyengineering.com
DATE	DESCRIPTION		
8/24/2020	PER TOWN REVIEW		
11/13/2020	TOWN & ENGINEERING REVIEW		
12/07/2020	ADDED TEST HOLE DATA		
01/04/2021	TOWN & ENGINEERING REVIEW		

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

APPROVED BY THE BROOKLYN
PLANNING AND ZONING COMMISSION

FINAL APPROVAL DATE: _____

CHAIRMAN: _____ DATE: _____

EXPIRATION DATE: _____

Per Sec. 8.26c of the Connecticut General Statutes, as amended, approval automatically expires _____ if all public improvements required by this plan are not completed by that date.

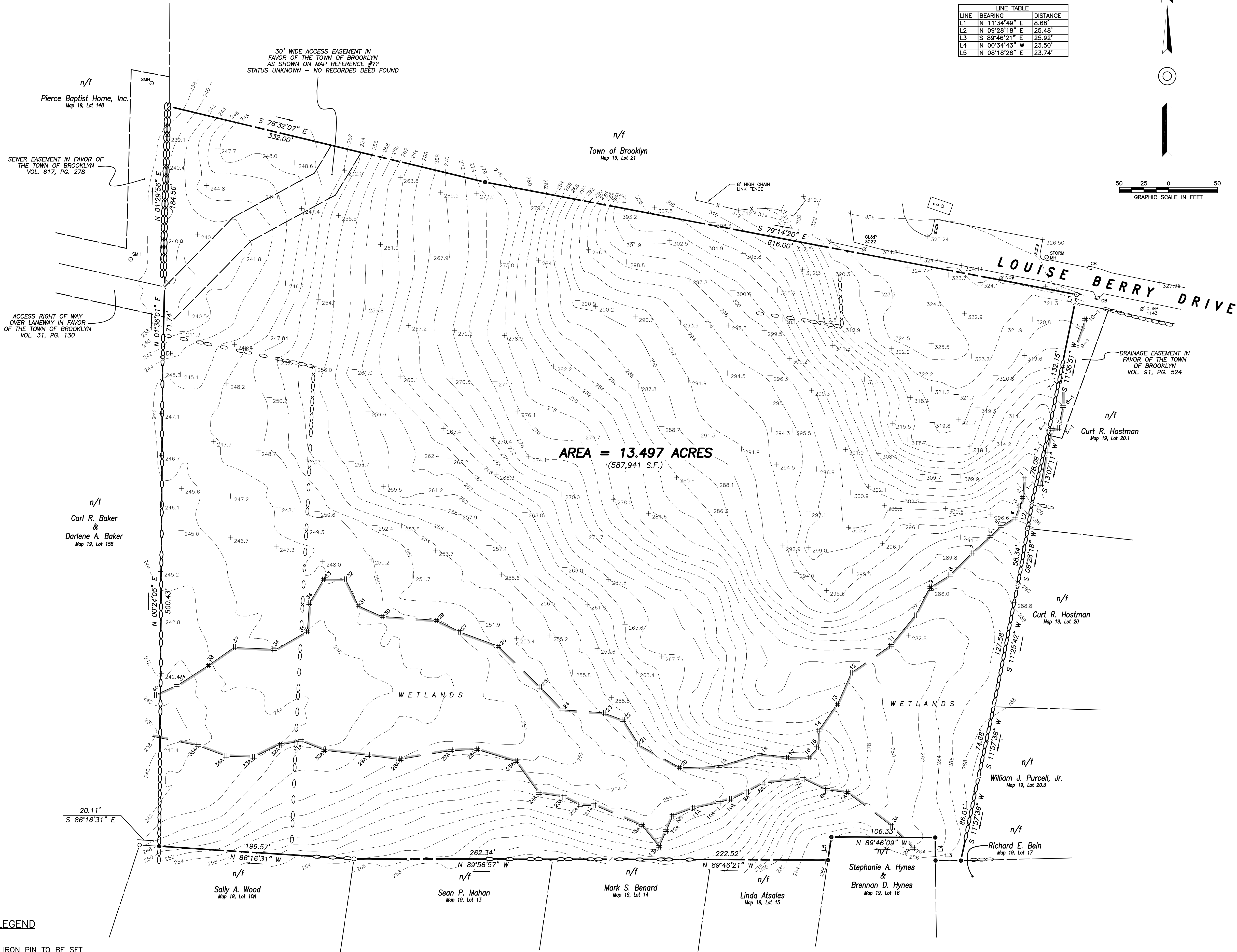
ENDORSED BY THE BROOKLYN INLAND
WETLANDS COMMISSION

CHAIRMAN: _____ DATE: _____

April 23, 2020

NORMAND THIBEAULT, JR., P.E. No. 22834

DATE: _____



LINE	BEARING	DISTANCE
L1	N 11°34'49" E	8.88'
L2	N 09°28'18" E	25.48'
L3	S 89°46'21" E	25.92'
L4	N 00°34'43" W	23.50'
L5	N 08°18'28" E	23.74'

50 25 0 50
GRAPHIC SCALE IN FEET

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - This survey conforms to a Class "A-2" horizontal accuracy.
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: Property Survey
 - Boundary Determination Category: Resurvey.

2. Zone = RA.

3. Owner of record: BLB, LLC
P.O. Box 327
Brooklyn, CT 06234
See Volume 553, Page 193

4. Parcel is shown as Lot 19, Block 33 on Assessors Map 19.

5. North orientation is based on North American Datum of 1982 (NAD 82) and is taken from GPS observations.

6. Elevations shown are based on an North American Vertical Datum of 1988 (NAVD 88). Contours taken from actual field survey. Contour interval = 2'.

7. Parcel lies within Flood Hazard Zone "C" (areas of minimal flooding) as shown on FIRM Map # 090164 Panel 0005A Effective Date: Jan. 3, 1985.

8. Wetlands shown were delineated in the field by Joseph Theroux, Certified Soil Scientist, in 2019.

MAP REFERENCES:

- "Plan of site for new school in the Town of Brooklyn, Conn. - Scale: 1" = 100' Date: June 9, 1952 - Prepared by: William W. Pike, Surveyor." On file in the Brooklyn land records.
- "Layout of Franklin Drive in the Town of Brooklyn, Conn. - Scale: 1" = 100' - Date: Oct. 15, 1959 - Prepared by: William W. Pike, Surveyor." On File in the Brooklyn land records.
- "Subdivision Plan - property of Kurt R. & Lempi E. Hostman - Gorman Road - Brooklyn, CT - Date: Aug. 1987 - Revised to: Jan. 21, 1988 - Scale: 1" = 40' Prepared by: Louis J. Soja, Jr." On file in the Brooklyn land records.
- "Property Survey and inland wetland field location - Pierce Memorial Baptist Home Inc. - Route 169 - Brooklyn, Connecticut - Date: Mar. 6, 1989 - Revised to: 7/25/1989 - Scale: 1" = 50' - Sheet 6 of 6 - Prepared by: Hallisey & Herbert, Civil Engineers & Surveyors." On File in the Brooklyn Land Records.
- "Easement Plan prepared for Town of Brooklyn - Brooklyn Elementary School & Brooklyn Junior High School - Route 205 (Wauregan Road) - Brooklyn, Connecticut Date: 4/5/1999 - Scale: 1" = 40' - Sheet 2 of 2. Prepared by: KWP Associates." On File in the Brooklyn land records.
- "Easement Plan showing proposed easement on land of Eggs, Inc. prepared for Town of Brooklyn - Wauregan Road (Route #205) - Brooklyn, Connecticut - Date: 4/20/2001 - Scale: 1" = 50' - Sheet 1 of 1 - Prepared by KWP Associates. On file in the Brooklyn land records.
- "Property survey showing portion of land of pierce Memorial Baptist Home, Inc. 44 Canterbury Road and Vina Lane - Brooklyn, Connecticut - Date: November, 26, 2007 - Scale: 1" = 100' - Sheet 1 of 2 - Prepared by Dicesare Bentley." On file in the Brooklyn land records.
- "Perimeter Survey prepared for Eggs Inc. - Gorman Road / Franklin Drive / Wauregan Road - Brooklyn, Connecticut - Date: Oct. 2014 - Scale: 1" = 125' - Sheet 1 of 1 - Prepared by Archer Surveying, LLC." On file in the Brooklyn land records.
- "Boundary Line Agreement prepared for Brooklyn Center Complex, BLB, LLC and Vina Land, LLC Wauregan Road & Vina Lane - Brooklyn, Connecticut - Date: December 11, 2019 - Scale: 1" = 125' - Sheet 1 of 1 - Prepared by Archer Surveying, LLC." Not on file.

DATE	DESCRIPTION
01/04/2021	PER TOWN & ENGINEERING REVIEW
12/07/2020	ADDED TEST PIT DATA
11/13/2020	PER TOWN & ENGINEERING REVIEW
08/24/2020	PER TOWN REVIEW
DATE	DESCRIPTION
REVISIONS	

PROPERTY SURVEY

PREPARED FOR

SHANE POLLOCK

LOUISE BERRY DRIVE
BROOKLYN, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying



114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 4/23/2020	DRAWN: DNE
SCALE: 1" = 50'	DESIGN: NET
SHEET: 2 OF 9	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 20014

I HAVE REVIEWED THE FLAGGED INLAND WETLANDS LOCATION SHOWN ON THIS PLAN AND THEY APPEAR TO BE SUBSTANTIALLY CORRECT.

Certified Soil Scientist Date

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.


GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

40 40 0 40

GRAPHIC SCALE IN FEET

●	IRON PIN TO BE SET
●	IRON PIN FOUND
OH	DRILL HOLE FOUND
Ø	UTILITY POLE
CB	CATCH BASIN
MMH	SANITARY MANHOLE
—260—	EXISTING CONTOURS
—H—	INLAND WETLANDS FLAG
○○○○○○○○	STONE WALL
○○ ○ ○○○	STONE WALL REMAINS
— 1 1 1 — MMH	175' WATERCOURSE SETBACK
— — —	125' UPLAND REVIEW

<p>SITE PLAN</p> <p>PREPARED FOR</p> <p>SHANE POLLOCK</p> <p>LOUISE BERRY DRIVE</p> <p>BROOKLYN, CONNECTICUT</p>	
 <p>Killingly Engineering Associates</p> <p><i>Civil Engineering & Surveying</i></p> <p>114 Westcott Road P.O. Box 421 Killingly, Connecticut 06241 (860) 779-7299 www.killinglyengineering.com</p>	
DATE: 4/23/2020	DRAWN: DNE
SCALE: 1" = 40'	DESIGN: NET
SHEET: 3 OF 9	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 20014

n/f
Pierce Baptist Home, Inc.
Map 19, Lot 148

EXISTING SANITARY
SEWER LINE

SEWER EASEMENT IN FAVOR OF
THE TOWN OF BROOKLYN
VOL. 617, PG. 278

30' WIDE ACCESS EASEMENT IN
FAVOR OF THE TOWN OF BROOKLYN
AS SHOWN ON MAP REFERENCE #??
STATUS UNKNOWN - NO RECORDED DEED FOUND

n/f
Town of Brooklyn
Map 19, Lot 21

ACCESS RIGHT OF WAY
OVER LANEWAY IN FAVOR
OF THE TOWN OF BROOKLYN
VOL. 31, PG. 130

n/f
Carl R. Baker
&
Darlene A. Baker
Map 19, Lot 158

n/f
Curt R. Hostman
Map 19, Lot 20.1

n/f
Curt R. Hostman
Map 19, Lot 20

40 40 0 40
GRAPHIC SCALE IN FEET

LEGEND

- IRON PIN TO BE SET
- IRON PIN FOUND
- DH DRILL HOLE FOUND
- UTILITY POLE
- CATCH BASIN
- SMH SANITARY MANHOLE
- 260 EXISTING CONTOURS
- INLAND WETLANDS FLAG
- STONE WALL
- STONE WALL REMAINS
- 125' UPLAND REVIEW
- 175' WATERCOURSE SETBACK

DATE	DESCRIPTION
12/07/2020	ADDED TEST PIT DATA
11/13/2020	PER TOWN & ENGINEERING REVIEW
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LAYOUT & LANDSCAPING PLAN

PREPARED FOR

SHANE POLLOCK

LOUISE BERRY DRIVE
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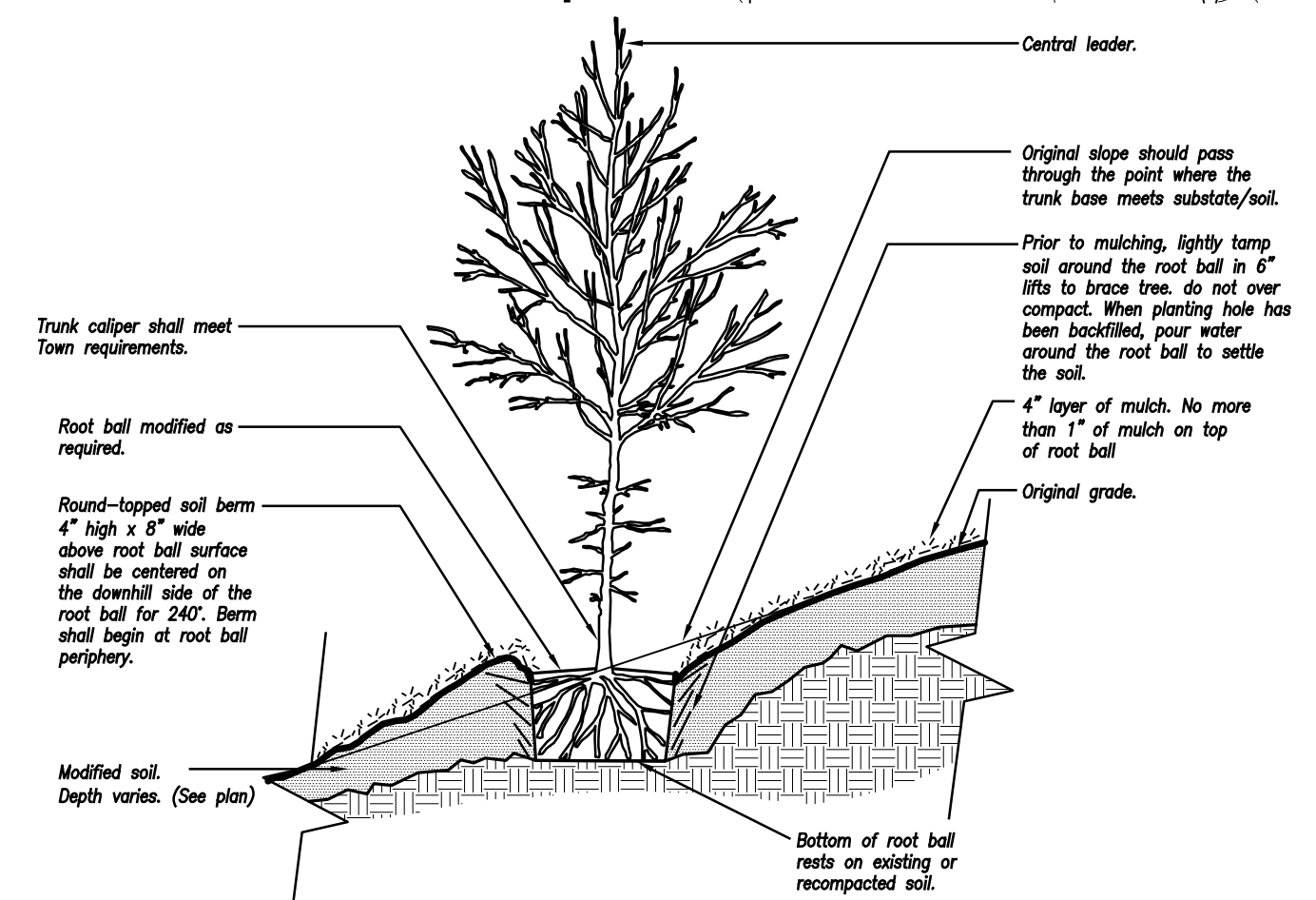
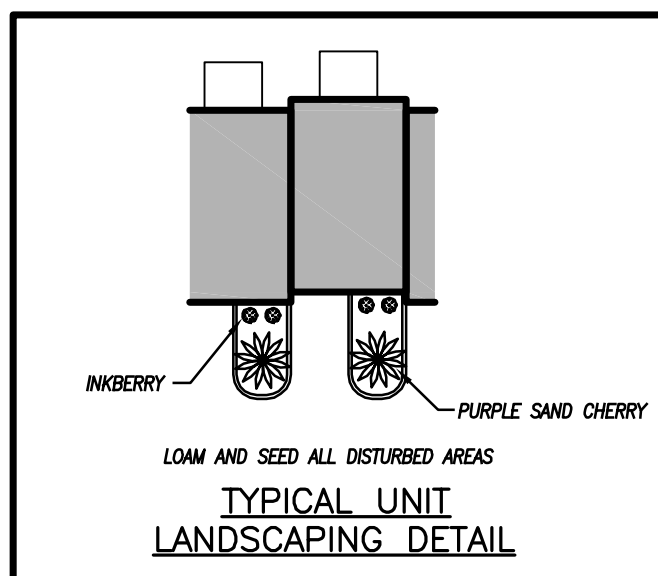
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AREA = 13.497 ACRES
(587,941 S.F.)

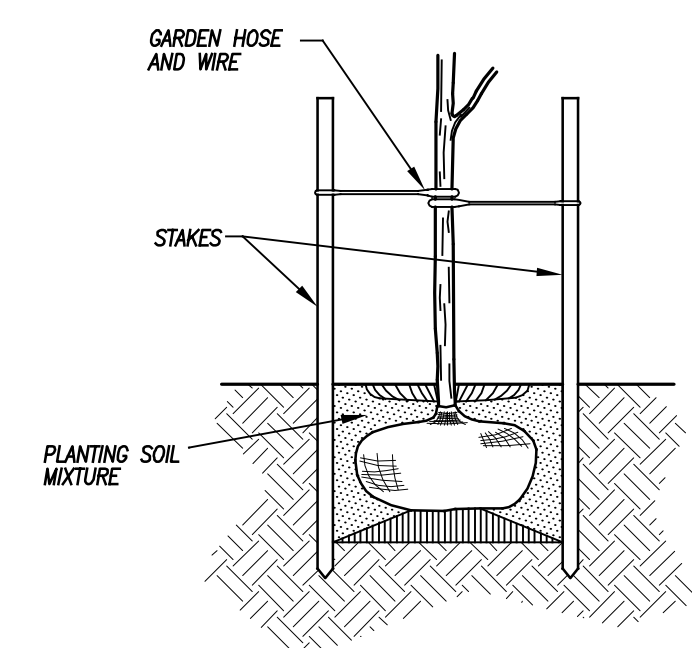
LANDSCAPE SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE
Cornus kousa	Korean Flowering Dogwood	2.5" cal.
Cornus kousa chinensis	Korean Flowering Dogwood	2.5" cal.
Ilex glabra	Inkberry 'Shamrock'	1 gal.
Prunus x cistena	Purple Sand Cherry	1 gal.
Viburnum rhytidophyllum	Leatherleaf Viburnum	4'

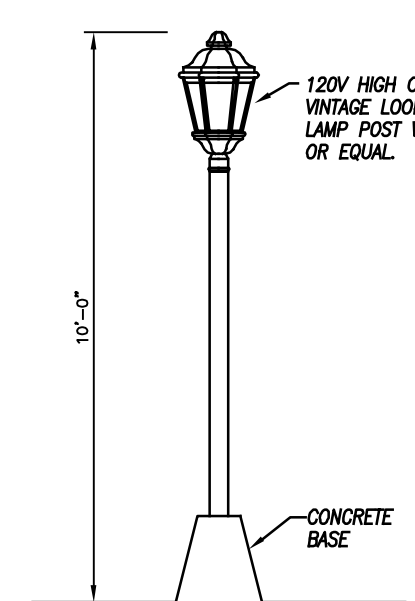
NOTE: Alternate pink & white dogwood trees along street



TREE ON SLOPE DETAIL
NOT TO SCALE

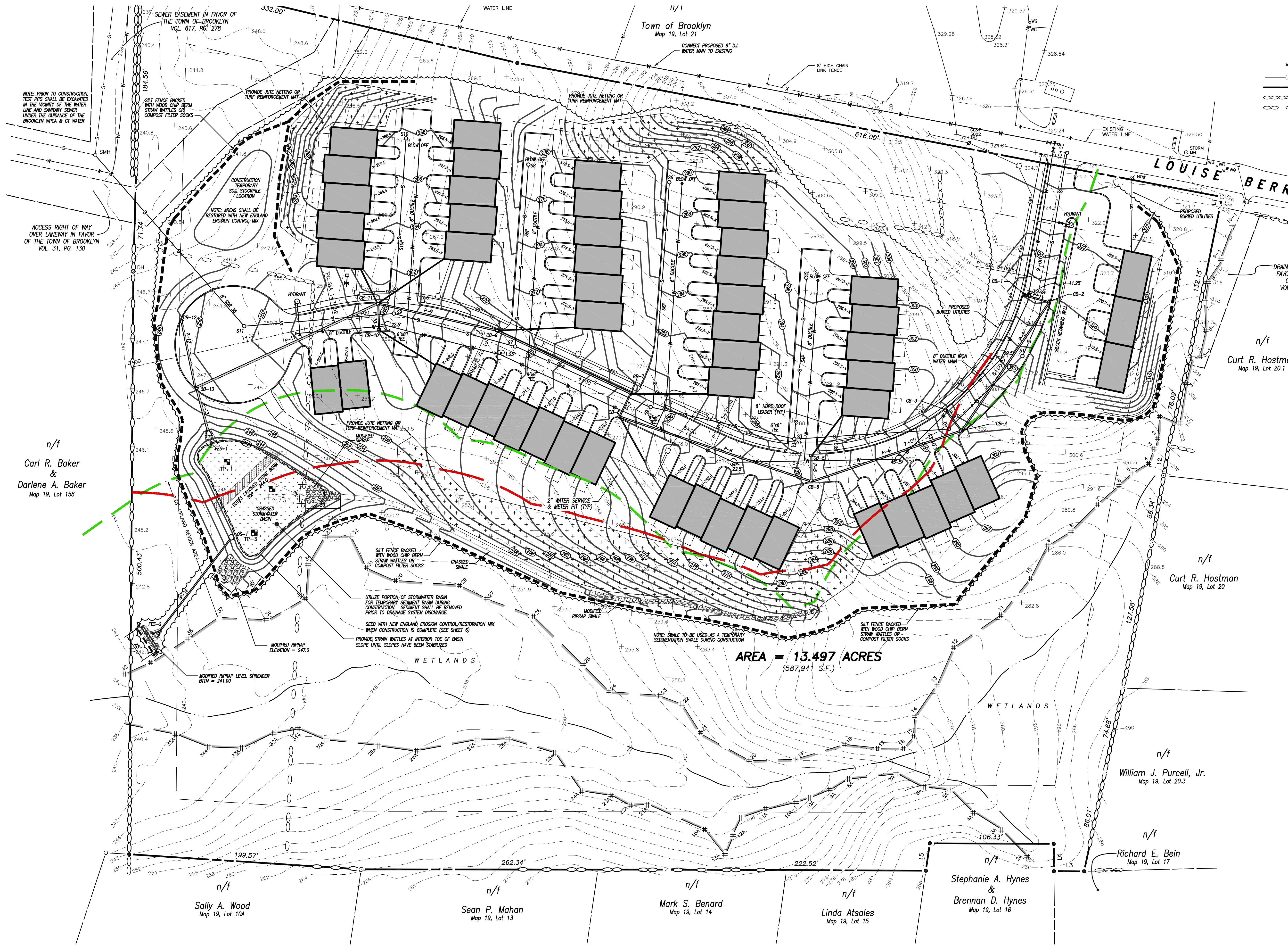


PLANTING CROSS SECTION
FOR TREES UNDER 20'
NOT TO SCALE



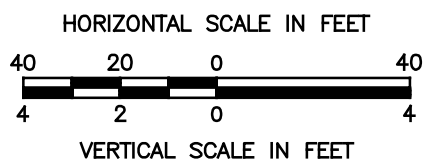
LIGHT POLE DETAIL
NOT TO SCALE

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LEGEND

- IRON PIN TO BE SET
- IRON PIN FOUND
- DH DRILL HOLE FOUND
- UTILITY POLE
- CB CATCH BASIN
- SMH SANITARY MANHOLE
- EXISTING CONTOURS
- INLAND WETLANDS FLAG
- STONE WALL
- STONE WALL REMAINS



DRAINAGE GENERAL NOTES:

1. ALL DRAINAGE PIPE SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE), SMOOTH INTERIOR AS MANUFACTURED BY ADVANCED DRAINAGE SOLUTIONS OR APPROVED EQUAL.
2. CATCH BASIN TOPS SHALL BE TYPE "C" UNLESS OTHERWISE NOTED.
3. ALL BASINS SHALL BE INSTALLED WITH 4" SUMPS.
4. PROVIDE 4" SUMP AND HOODED OUTLET AT TERMINATION CATCH BASIN PRIOR TO DISCHARGE INTO STORMWATER BASIN.

SANITARY SEWER GENERAL NOTES:

1. ALL SANITARY SEWER MAINS SHALL BE 8" SDR 35 PVC.
2. SANITARY SEWER LATERALS TO RESIDENCES SHALL BE 4" SDR 35 PVC, AND SHALL BE INSTALLED WITH A MINIMUM 42" OF COVER AND A SLOPE OF 2%.
3. LATERALS SHALL NOT BE INSTALLED DIRECTLY TO OR WITHIN 5' OF A SANITARY MANHOLE.
4. SANITARY SEWER SYSTEM CONSTRUCTION IS SUBJECT TO INSPECTION AND APPROVAL BY THE DEPARTMENT OF PUBLIC WORKS. THE CONTRACTOR SHALL NOTIFY THE CITY A MINIMUM OF TWO FULL WORKING DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
5. AS-BUILT DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO PROJECT ACCEPTANCE.

WATER MAIN & SERVICES:

1. ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON PIPE IN ACCORDANCE WITH CT WATER REQUIREMENTS.
2. TAPS INTO EXISTING MAINS SHALL BE UNDER THE SUPERVISION OF CT WATER REPRESENTATIVES.
3. WATER SERVICE CONNECTIONS TO THE WATER MAIN SHALL BE PER CT WATER REQUIREMENTS. SERVICES FROM SHUT OFF VALVES TO RESIDENCES SHALL BE 1" HDPE.
4. HYDRANT REQUIREMENTS AND LOCATIONS SHALL BE DETERMINED BY THE TOWN OF BROOKLYN FIRE MARSHAL.

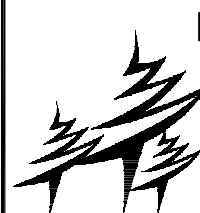
DATE	DESCRIPTION
12/07/2020	ADDED TEST PIT DATA
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DRAINAGE AND UTILITIES PLAN

PREPARED FOR

SHANE POLLOCK

LOUISE BERRY DRIVE
BROOKLYN, CONNECTICUT



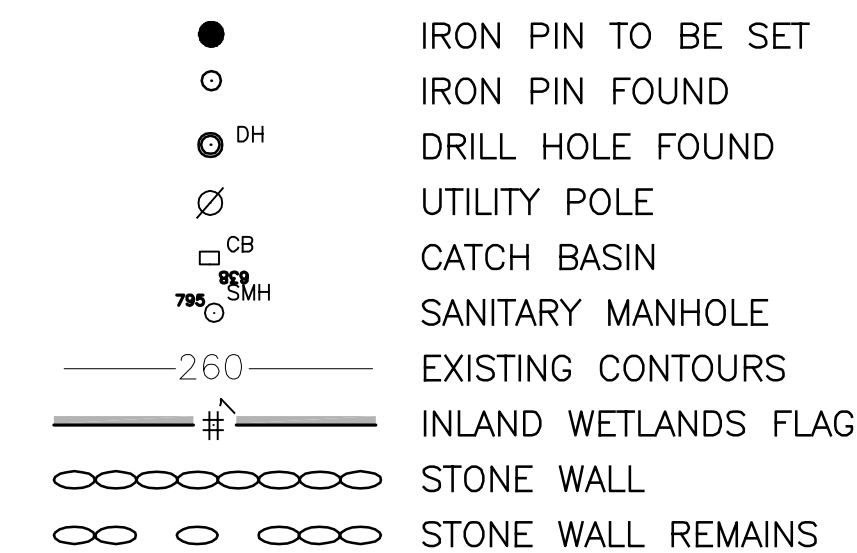
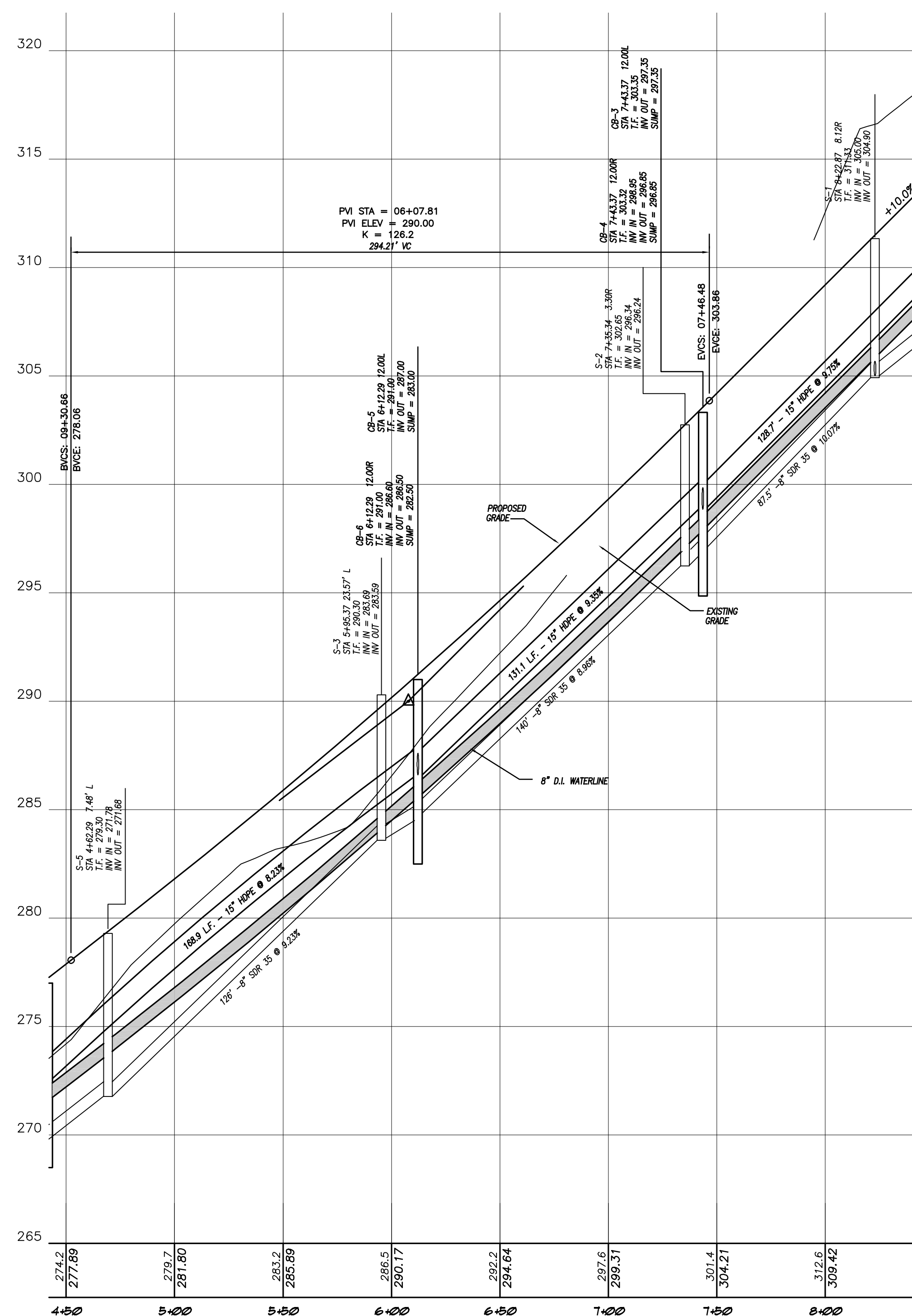
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SCALE: 1" = 40'	DESIGN: NET
SHEET: 5 OF 9	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 20014

NORMAND E. THIBEAULT, JR., P.E. DATE
LIC #PEN 0022834

<u>SANITARY STRUCTURE SCHEDULE</u>			
<u>LABEL</u>	<u>T.F</u>	<u>F/Lout</u>	
S4	296.50	292.50	
S6	289.20	285.20	
S8	277.50	273.50	
S10	267.80	263.80	
<u>SANITARY PIPE SCHEDULE</u>			
<u>LABEL</u>	<u>LENGTH</u>	<u>SLOPE</u>	
S4P	137'	5.68%	
S6P	190'	6.42%	
S8P	154'	7.06%	
S10P	148'	5.07%	
<u>FLARED END SECTIONS</u>			
FES-1	INV = 244.00	18" RCP	
FES-2	INV = 242.00	15" RCP	
<u>OUTLET STRUCTURE (OS-1)</u>			
SEE DETAIL SHEET			



- | | |
|------------|-------------------------------|
| | |
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LIC #PEN 0022834

EROSION AND SEDIMENT CONTROL PLAN:

REFERENCE IS MADE TO:

1. Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
2. U.S.D.A. N.R.C.S. Web Soil Survey.

DEVELOPMENT CONTROL PLAN:

1. Development of the site will be performed by the Contractor, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
2. The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town of Brooklyn will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures will not be removed until this inspection is complete.
3. All stripping is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
4. Dust control will be accomplished by spraying with water. The application of calcium chloride is not permitted adjacent to wetland resource areas or within 100' of these areas.
5. The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
6. Final stabilization of the site is to follow the procedures outlined in "Permanent Vegetative Cover". If necessary a temporary vegetative cover is to be provided until a permanent cover can be applied.

SILT FENCE INSTALLATION AND MAINTENANCE:

1. Dig a 6" deep trench on the uphill side of the barrier location.
2. Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
3. Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
4. Inspect and repair barrier after heavy rainfall.
5. Inspections will be made at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
6. Sediment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the Inland Wetlands Commission.
7. Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when sediment fails to be retained by the fence because:
 - the fence has been overtopped, undercut or bypassed by runoff water,
 - the fence has been moved out of position (knocked over), or
 - the geotextile has decomposed or been damaged.

HAY BALE INSTALLATION AND MAINTENANCE:

1. Bales shall be placed as shown on the plans with the ends of the bales tightly abutting each other.
2. Each bale shall be securely anchored with at least 2 stakes and gaps between bales shall be wedged with straw to prevent water from passing between the bales.
3. Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs.
4. Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the Inland Wetlands Commission.
5. Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment fails to be retained by the barrier because:
 - the barrier has been overtopped, undercut or bypassed by runoff water,
 - the barrier has been moved out of position, or
 - the hay bales have deteriorated or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure TS-2 in the 2002 Guidelines.

TIMING CONSIDERATIONS

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

SEEDBED PREPARATION

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, disking, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is tracked, the cleat marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10-10-10 or equivalent. Additionally, lime may be applied using rates given in Figure TS-1 in the 2002 Guidelines.

SEEDING

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

MULCHING

Temporary seedings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 95%-100% coverage.

MAINTENANCE

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and rill erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent recurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive severe weather conditions (approximately 80% vegetative cover).

PERMANENT VEGETATIVE COVER:

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

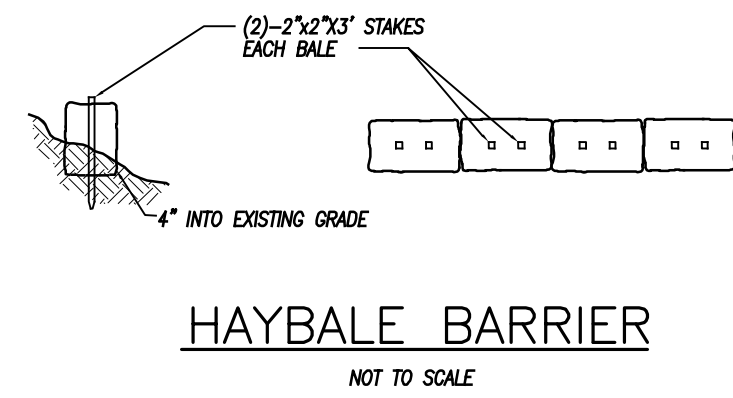
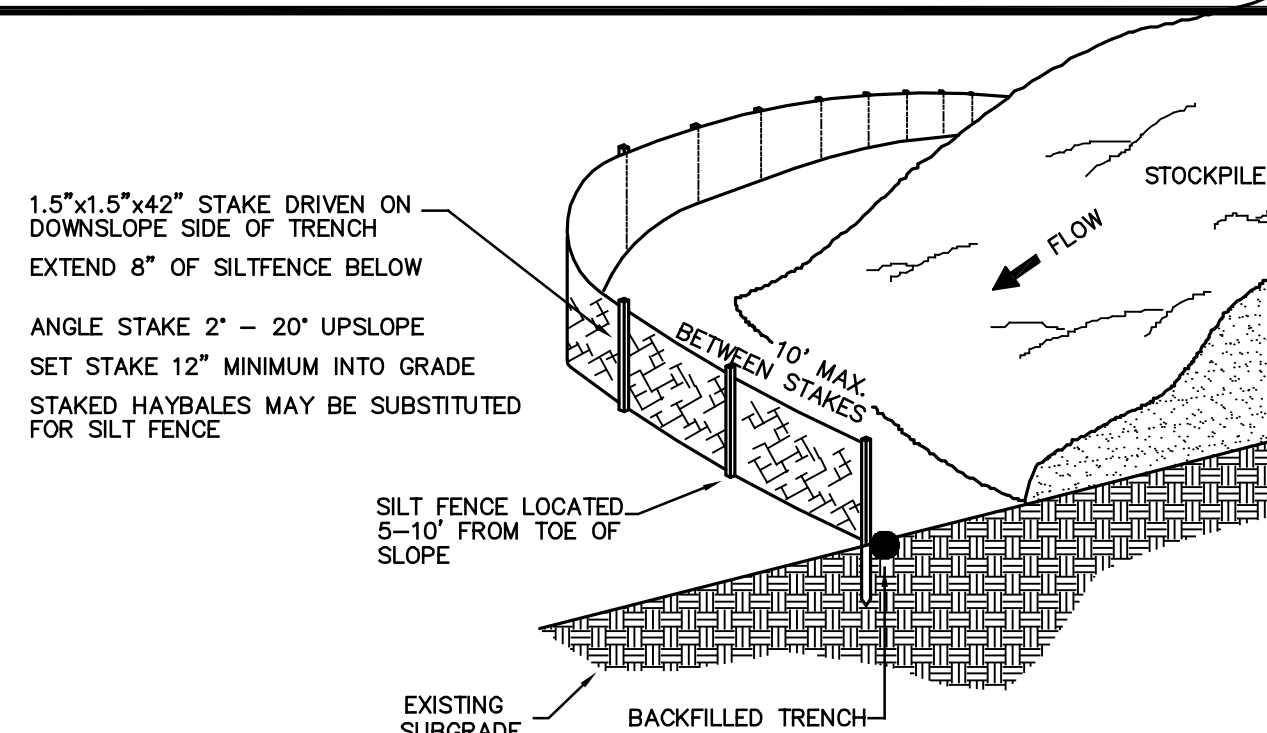
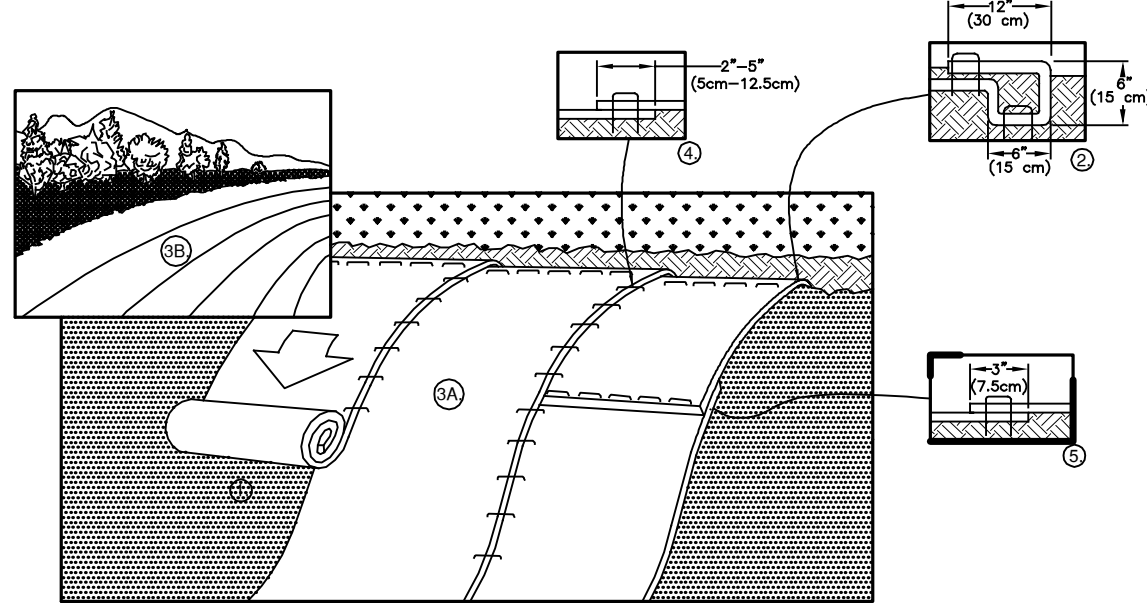
1. Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
2. Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
3. Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1000 s.f. Apply 10-10-10 fertilizer or equivalent at a rate of 300 lbs. per acre or 7.5 lbs. per 1000 s.f. Work lime and fertilizer into the soil to a depth of 4".
4. Inspect seedbed before seeding. If traffic has compacted the soil, retilt compacted areas.
5. Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 - October 1.
6. Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

DEVELOPMENT SCHEDULE/SEQUENCE OF OPERATIONS:

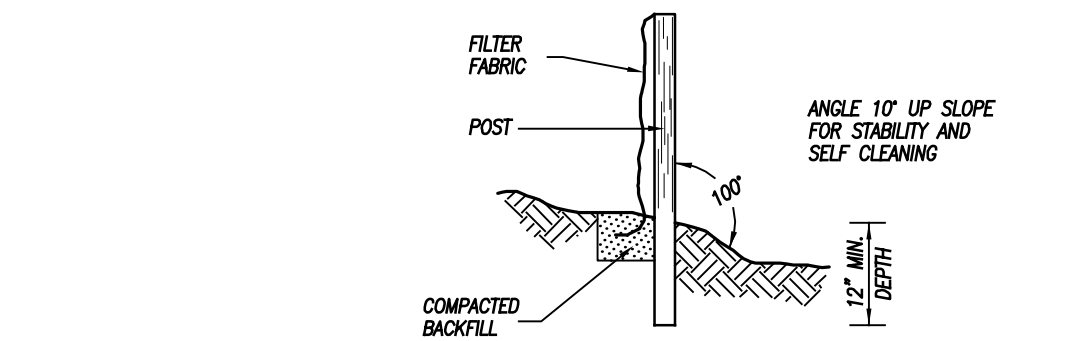
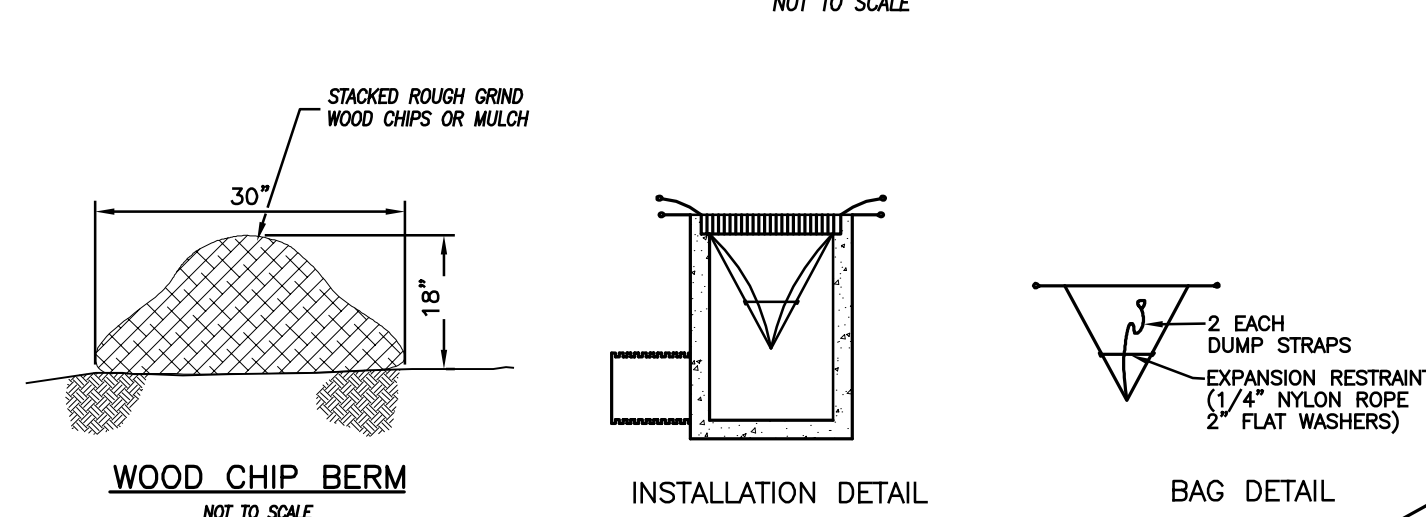
1. Flag the limits of disturbance and schedule preconstruction meeting with Town of Brooklyn wetlands Agent.
2. Contact utility companies for scheduling installation of utilities and connections
3. Install the anti-tracking construction entrance.
4. Cut trees within the defined clearing limits and remove the cut wood.
5. Install perimeter erosion and sedimentation controls in accordance with the site development plan.
6. Chip brush and slash, stockpile chips for use on site or remove off site.
7. Box out driveway and stockpile topsoil in locations shown on the plans. Install erosion controls around stockpile and apply temporary seeding.
8. Contact utility companies (CT Water and the Brooklyn WPCA) to coordinate water main and sanitary sewer connections. Install water and sanitary sewer lines beginning from the lowest elevation.
9. Excavate stormwater basin to be utilized as a temporary sedimentation basin during construction. Install drainage structures and pipe and provide inlet protection at catch basins.
10. Install and compact processed gravel for roadway base.
11. Remove tree stumps and dispose of at an approved disposal site. Alternatively, stumps may be chipped in place. No stumps shall be buried on site.
12. Strip and stockpile topsoil that is within the footprint of the site. Surround stockpile with silt fence or stacked haybales, and apply temporary seeding in accordance with recommended mixtures. Divert runoff around the perimeter of the stockpile.
13. Make all required cuts and fills. Establish the subgrade for the driveway as required and install additional erosion controls as necessary and as shown on the plans.
14. Inspect perimeter erosion and sedimentation controls weekly and after rain events in excess of 0.5". Repair any damaged controls and provide additional erosion control devices as necessary to address areas of concentrated runoff that may develop as a result of the construction activities. The contractor shall review discharge conditions with the design engineer or the Town of Brooklyn prior to installing additional erosion controls. Apply water as necessary for dust control.
15. Install utilities to in the locations shown on the plans.
16. Prepare sub-base for roadway for final grading.
17. Excavate for building footings, stockpile soil and pour footings & slab. Begin phased building construction.
18. Place topsoil where required and install any proposed landscaping upon completion of each building.
19. Install first course of pavement to each building as they are completed and required landscaping.
20. When the remainder of the site work is near completion, sweep all paved areas for the final course of paving. Inspect erosion controls and remove any accumulated sediment.
21. Install final course of pavement upon the completion of the final structure.
22. Fine grade, rake, seed and mulch to within 2' of the pavement.
23. Remove and dispose of all silt fence and hay bales after the site has been stabilized to the satisfaction of the Town of Brooklyn.

RESPONSIBLE PARTY FOR E&S MAINTENANCE:

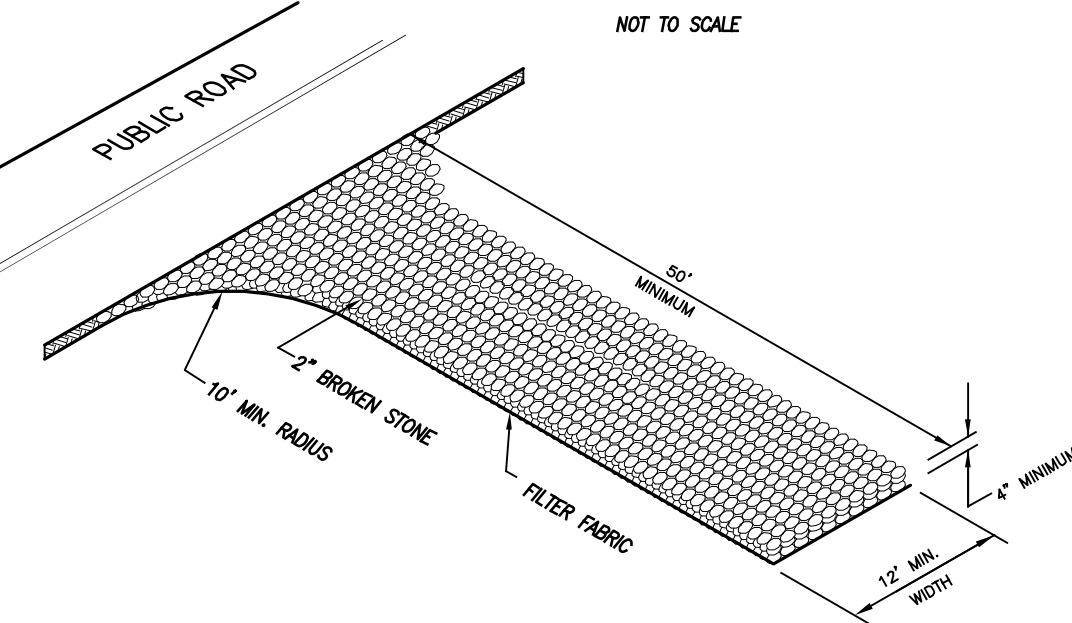
- Shane Pollock
101 Mackin Drive
Griswold, CT 06351
(860) 888-3129
- CONSTRUCTION NOTES/GENERAL PROVISIONS
1. The locations of existing utilities are based upon visible field observations, record mapping and interviews with the property owner and abutting property owners. They are shown for informational purposes only. Contractor shall coordinate exploratory test hole excavation with the Engineer if necessary to verify and/or determine actual locations of some utilities & structures. It is the responsibility of the contractor to verify the location and elevation of all utilities. Contact "CALL BEFORE YOU DIG" at 1-800-922-4455, and obtain all applicable permits, prior to any excavation around utilities.
 2. All existing site features not scheduled to remain shall be removed and disposed of in a proper manner, by the contractor.
 3. All Materials and methods of construction shall conform to "State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 818", and supplements thereto.
 4. The Contractor shall obtain copies of all regulatory agency permits from the Owner prior to any site disturbance.
 5. Unless otherwise noted on the plans, the contractor shall use the geometry provided on the construction plans. Benchmark information shall be provided to the contractor by the Owner or the Owner's surveyor. Any discrepancies between field measurements and construction plan information shall be brought to the attention of the Engineer or Surveyor immediately.
 6. The Contractor shall not revise elevations or locations of items shown on the plans without written consent of the project Engineer or Surveyor.
 7. The Contractor shall protect benchmarks, property corners, and other survey monuments from damage or displacement. If a marker needs to be removed, it shall be referenced by a licensed land surveyor and replaced as necessary by the same.
 8. The Contractor shall be responsible for preparing and compacting base for proposed pavement. Owner shall provide general fill to establish subgrade - contractor shall spread and compact. Contractor shall provide, spread and compact required processed aggregate
 9. The entire project site shall be thoroughly cleaned at the completion of the work. Clean all installed paved areas, accumulated silt and sediment shall be removed from the stormwater system, silt fence removed and disposed of, excess construction materials removed, plus all adjacent areas affected by the construction activities as directed by the Owner or the jurisdictional Agency. Any material removed from the site shall be relocated to an approved off-site disposal area.
 10. Upon completion of construction, accumulated sediment and other deleterious materials shall be thoroughly removed catch basins, manholes, pipes and swales and disposed of off site. Additionally, the stormwater detention basin bottom and structures shall be cleaned and restored to "like new" condition.



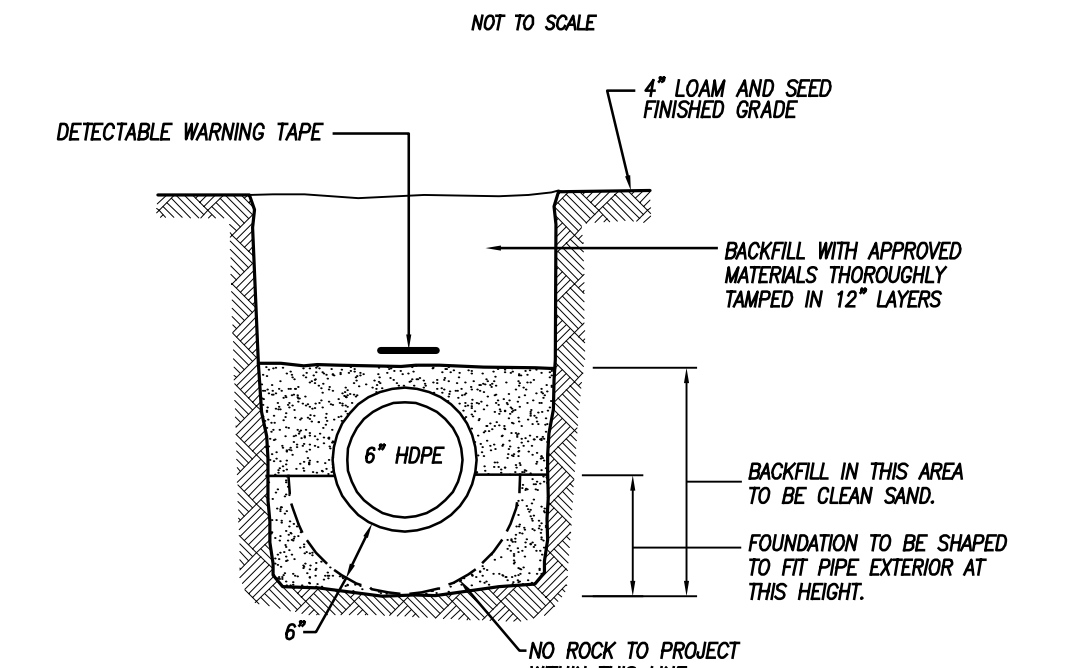
SILT FENCE @ TOE OF SLOPE APPLICATION



SILT FENCE



CONSTRUCTION ENTRANCE



INLET SEDIMENT CONTROL DEVICE

INSTALLATION & MAINTENANCE

1. Install as directed by manufacturer.
2. Inspect the catch basin sediment device at least once a week (preferably twice) and after rainfall events of 0.5" or greater.
3. Remove sediment when the silt sack is 1/2 full. Sediment shall be deposited in an area which is not regulated by the Inland Wetlands Commission.
4. Replace or repair within 24-hours of observed failure. Failure may include:
 - Overtopping, or bypassed by runoff water.
 - The geotextile has decomposed or has been damaged.

PUMPING OUTLET BASIN

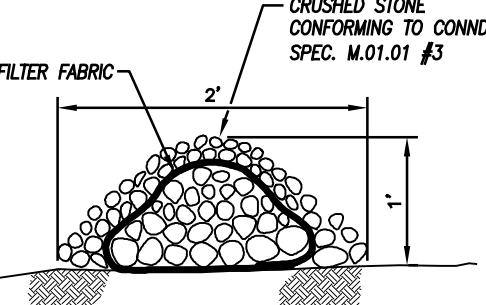
PERCOLATION TEST RESULT - November 27, 2020

Killingly Engineering Associates - Normand Thibault, P.E.

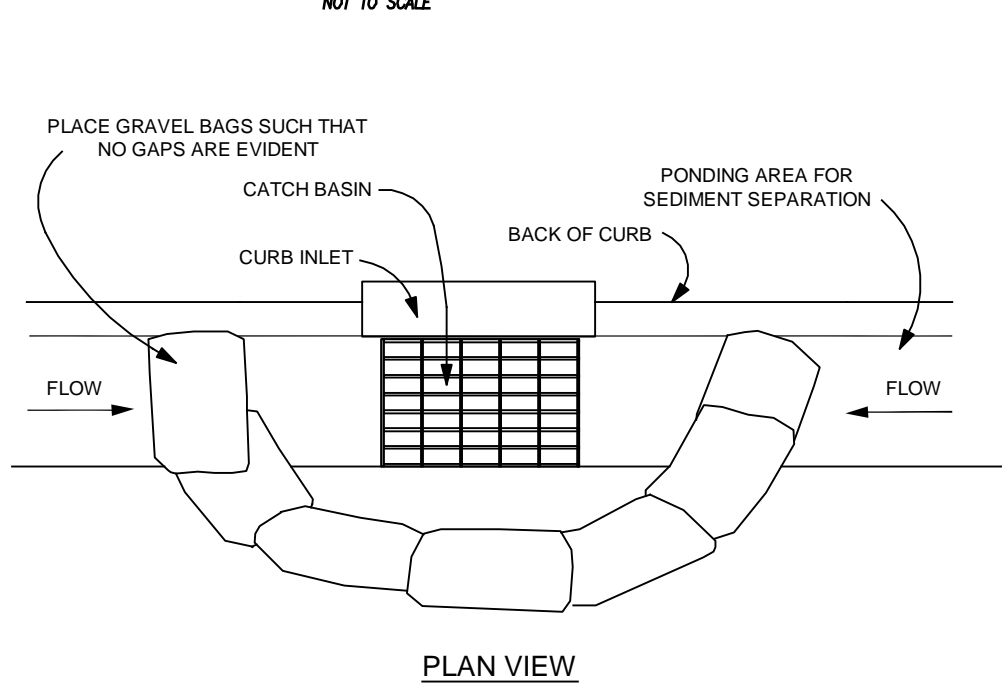
Depth = 24"

Rate = 6.7 min./in.

Time	Reading
1:30	4.5"
1:35	7.5"
1:40	11"
1:45	12.5"
1:50	14"
2:00	15.5"
2:05	16.75"
2:10	17.5"
2:15	18.25"
2:20	19"

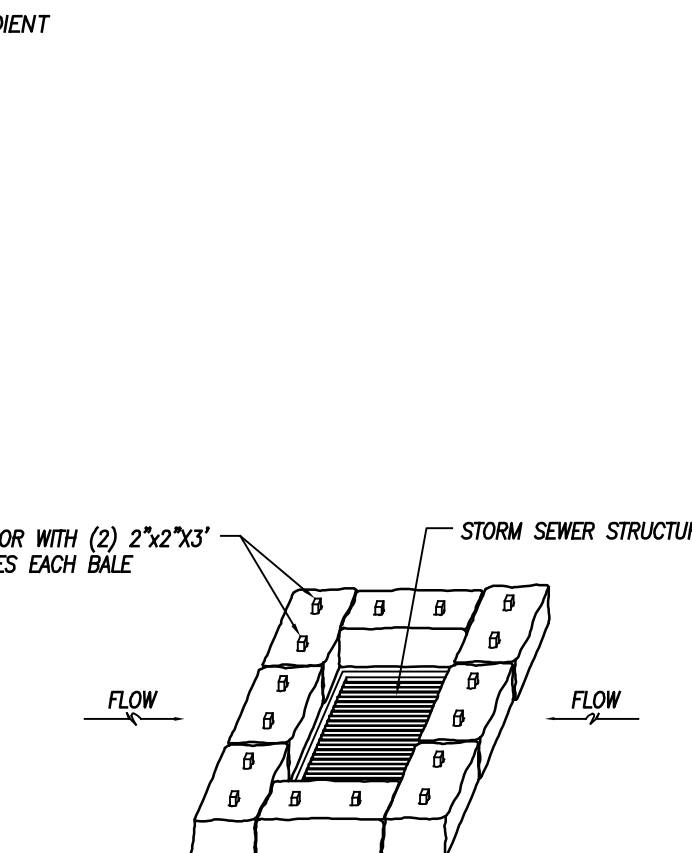


STONE CHECK DAM



STRAW WADDLES APPLICATION

- MAY BE USED AS A STRUCTURAL BACKING FOR SILT FENCE
- WHEN USED SINGLY, REMOVE SEDIMENT WHEN HALF THE HEIGHT OF THE WADDLE HAS BEEN REACHED



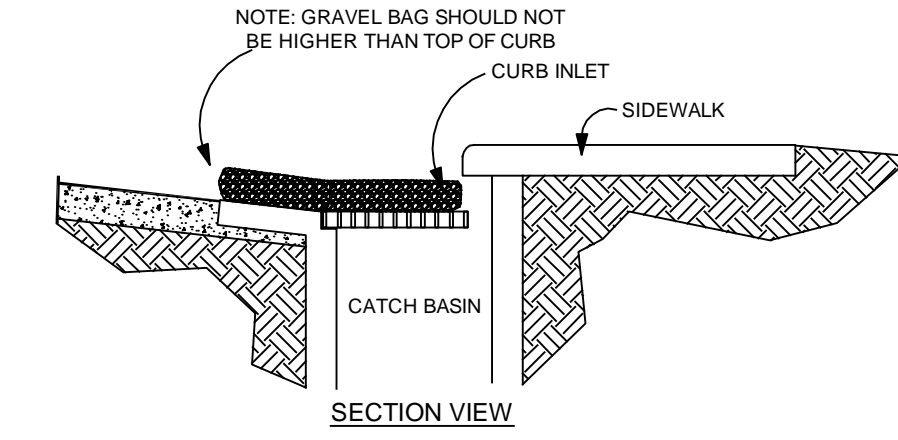
HAYBALE INSTALLATION AT CATCH BASIN

NOT TO SCALE

STANDARD GRAVEL BAG CURB INLET PROTECTION

NOTES:

1. PLACE GRAVEL BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. USE SAND BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH 1/2 INCH (OR SMALLER) GRAVEL BAGS MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
4. WHEN INSTALLING CURB INLET PROTECTION DEVICES, NEVER BLOCK THE CURB INLET.



NORMAND E. THIBAUT, JR., P.E.
LIC #PEN 0022834

DATE

01/04/2021	PER TOWN & ENGINEERING REVIEW
12/07/2020	ADDED TEST PIT DATA
11/13/2020	PER TOWN & ENGINEERING REVIEW
08/24/2020	PER TOWN REVIEW
DATE	DESCRIPTION
	REVISIONS

DETAIL SHEET

PREPARED FOR

SHANE POLLOCK

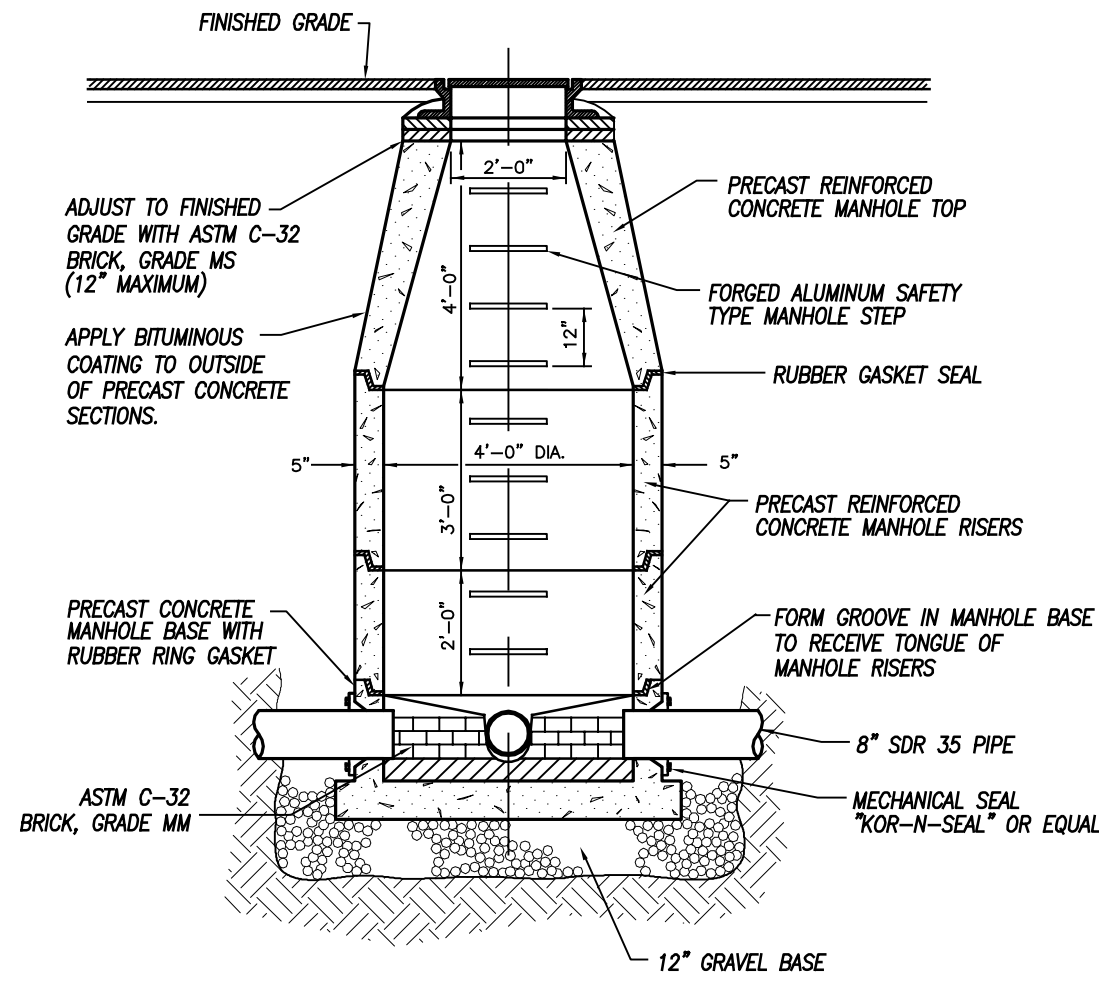
LOUISE BERRY DRIVE
BROOKLYN, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying



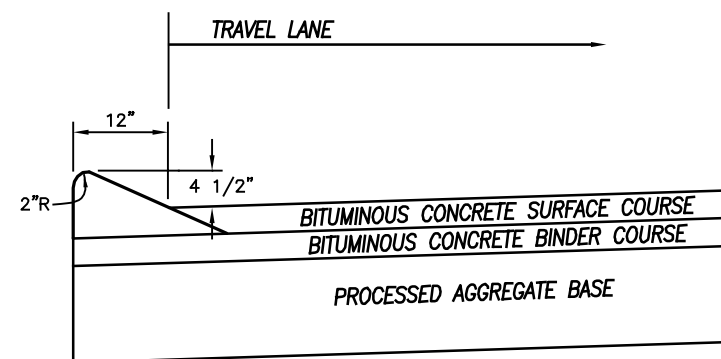
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 4/23/2020	DRAWN: DNE
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 7 OF 9	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 20014

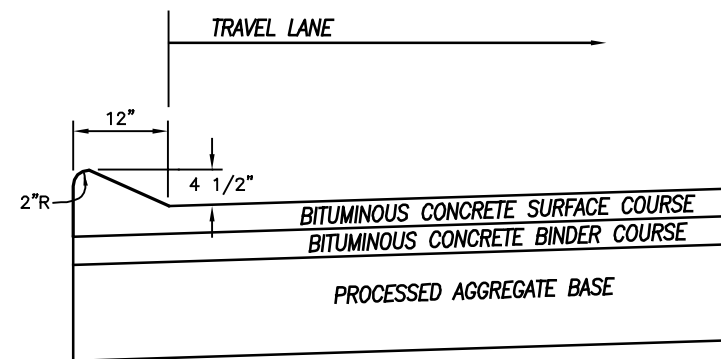


TYPICAL SANITARY MANHOLE
CROSS SECTION

NOT TO SCALE



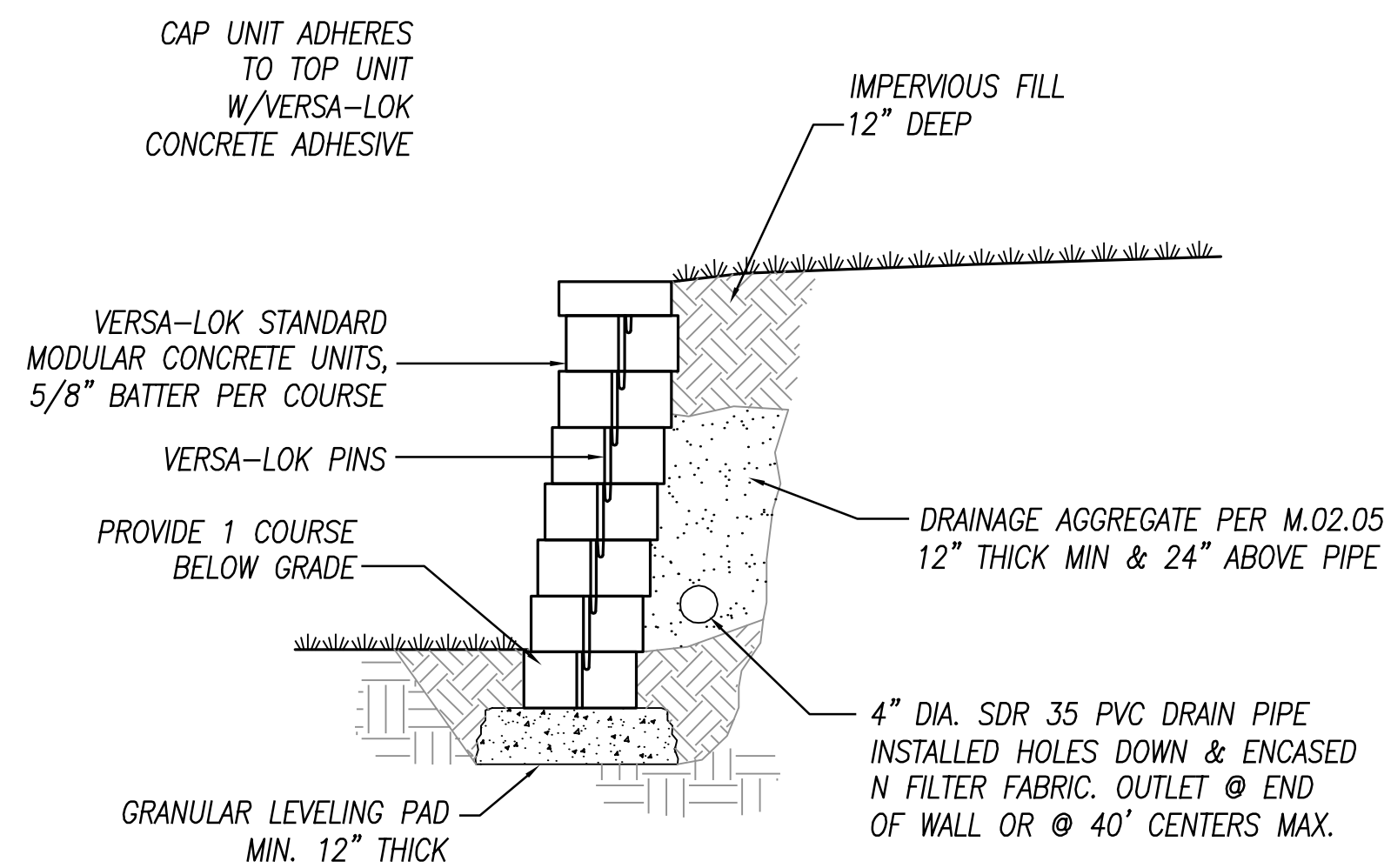
ALTERNATE 1 - CURB ON BINDER



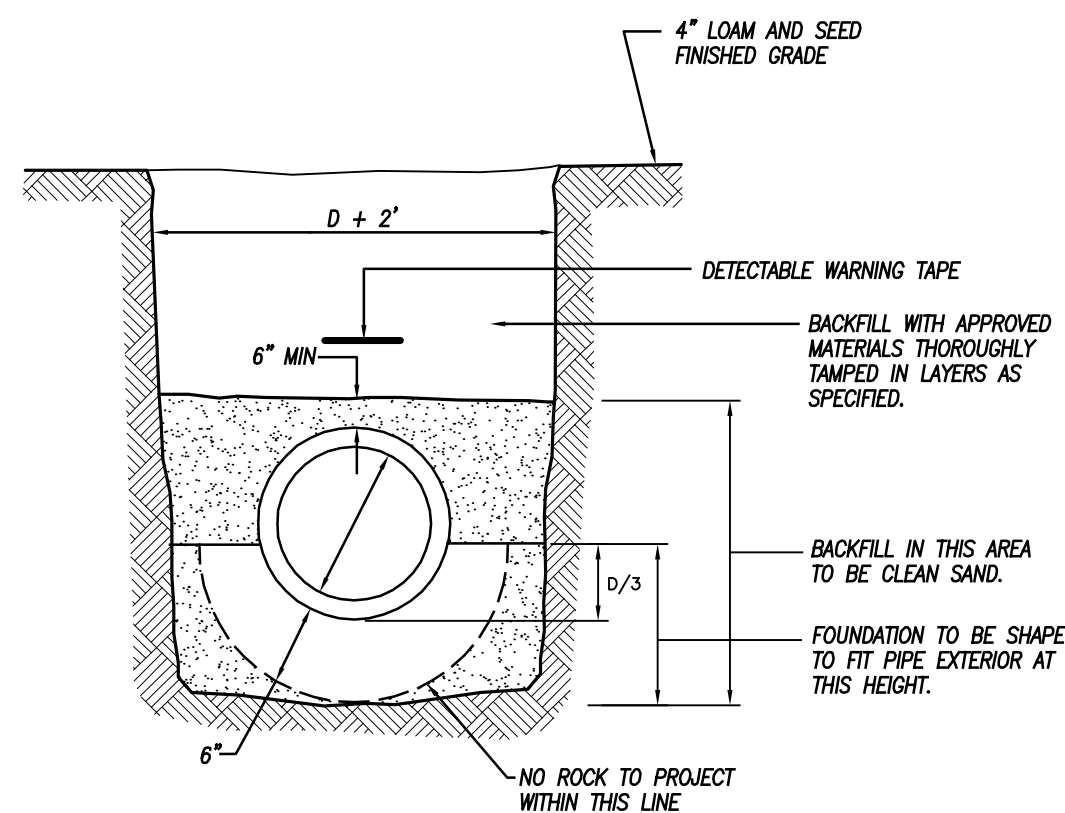
ALTERNATE 2 - MONOLITHIC CONSTRUCTION

CAPE COD CURBING

NOT TO SCALE

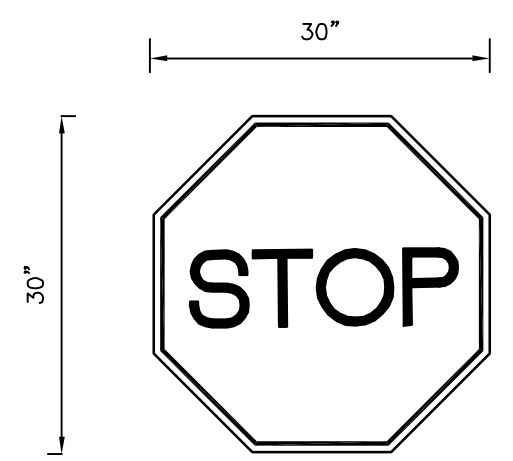


TYPICAL SECTION-UNREINFORCED RETAINING WALL
VERSA-LOK OR APPROVED EQUAL



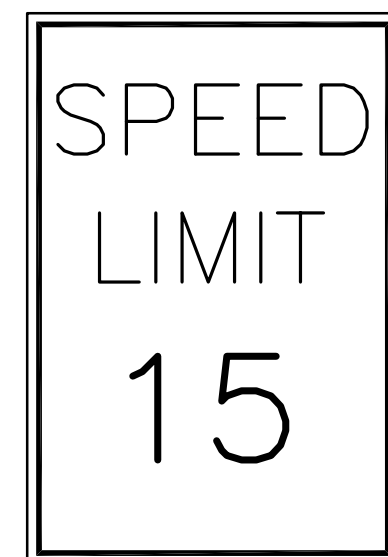
SANITARY SEWER
PIPE IN TRENCH DETAIL

NOT TO SCALE



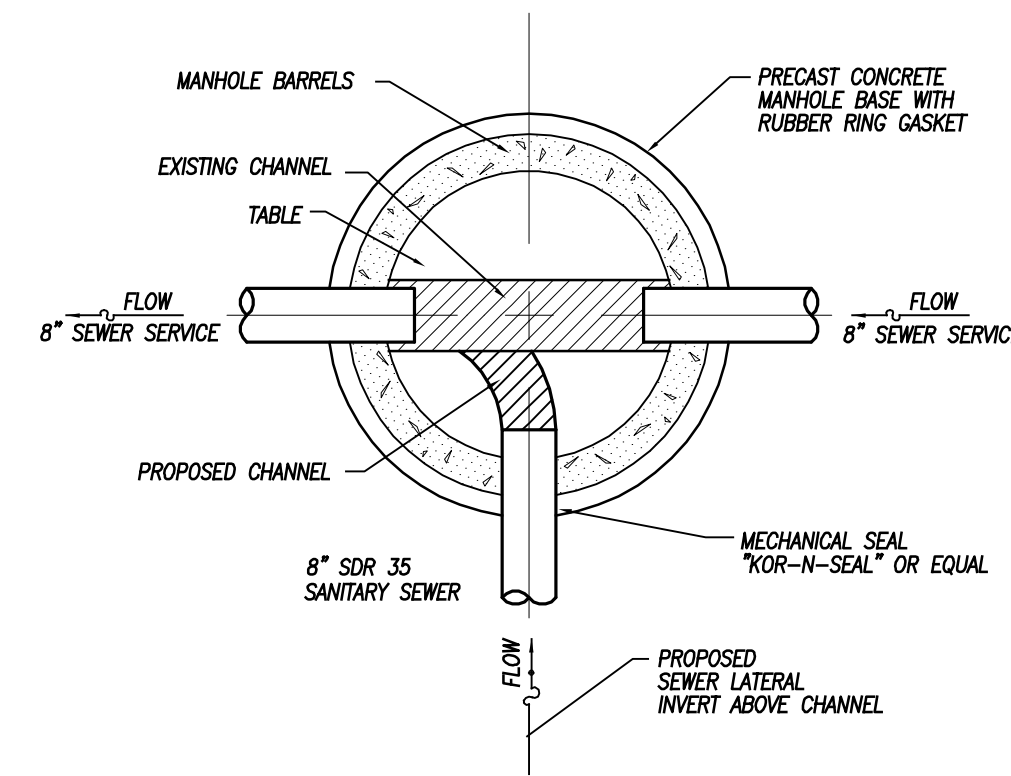
CTDOT R1-1 (31-0552)
STOP SIGN

NOT TO SCALE



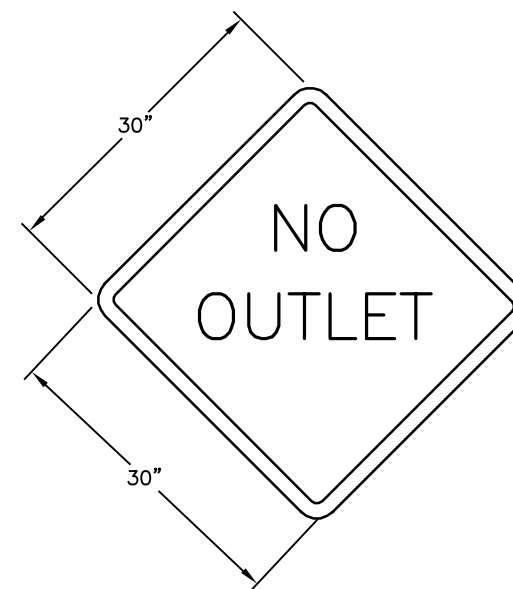
SPEED LIMIT SIGN DETAIL

NOT TO SCALE



SEWER CONNECTION
AT MANHOLE

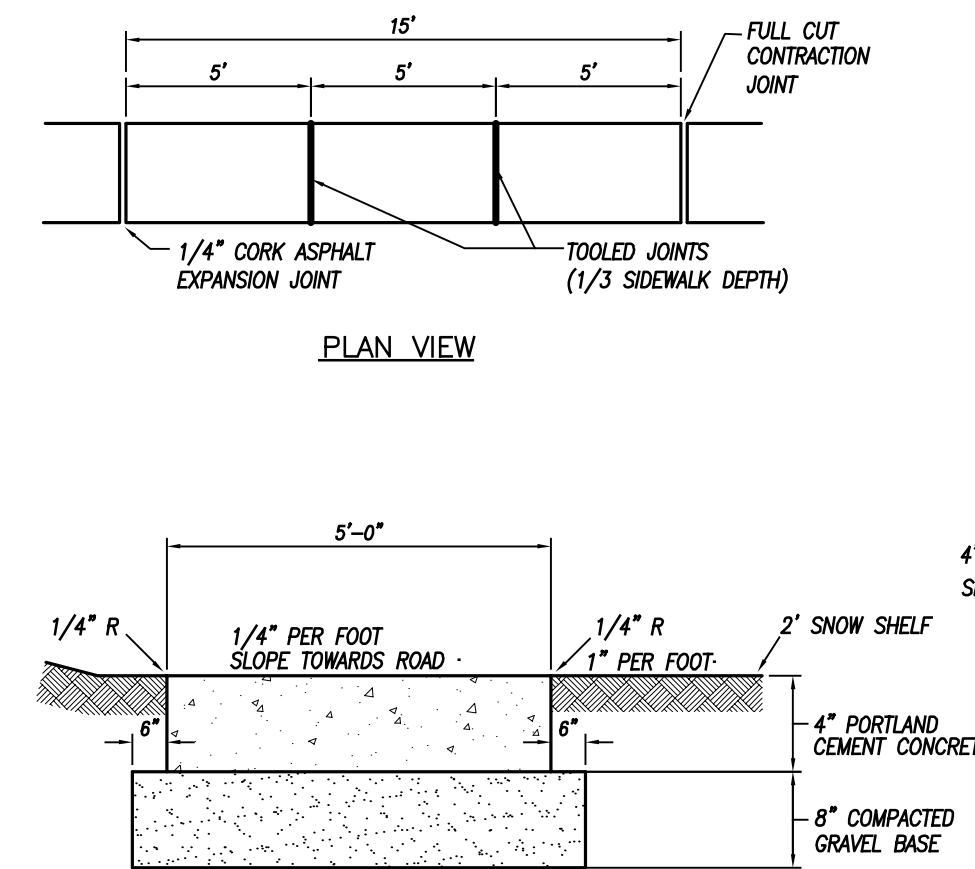
NOT TO SCALE



NO OUTLET SIGN DETAIL

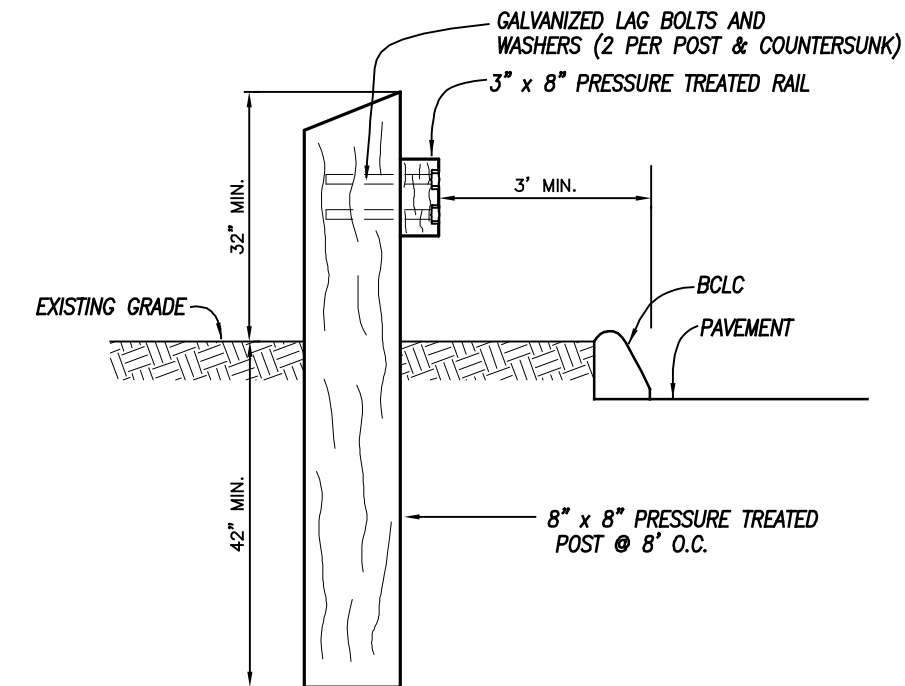
NOT TO SCALE

CTDOT W14-2 (41-4605)
SETON #44851



CONCRETE SIDEWALK DETAIL

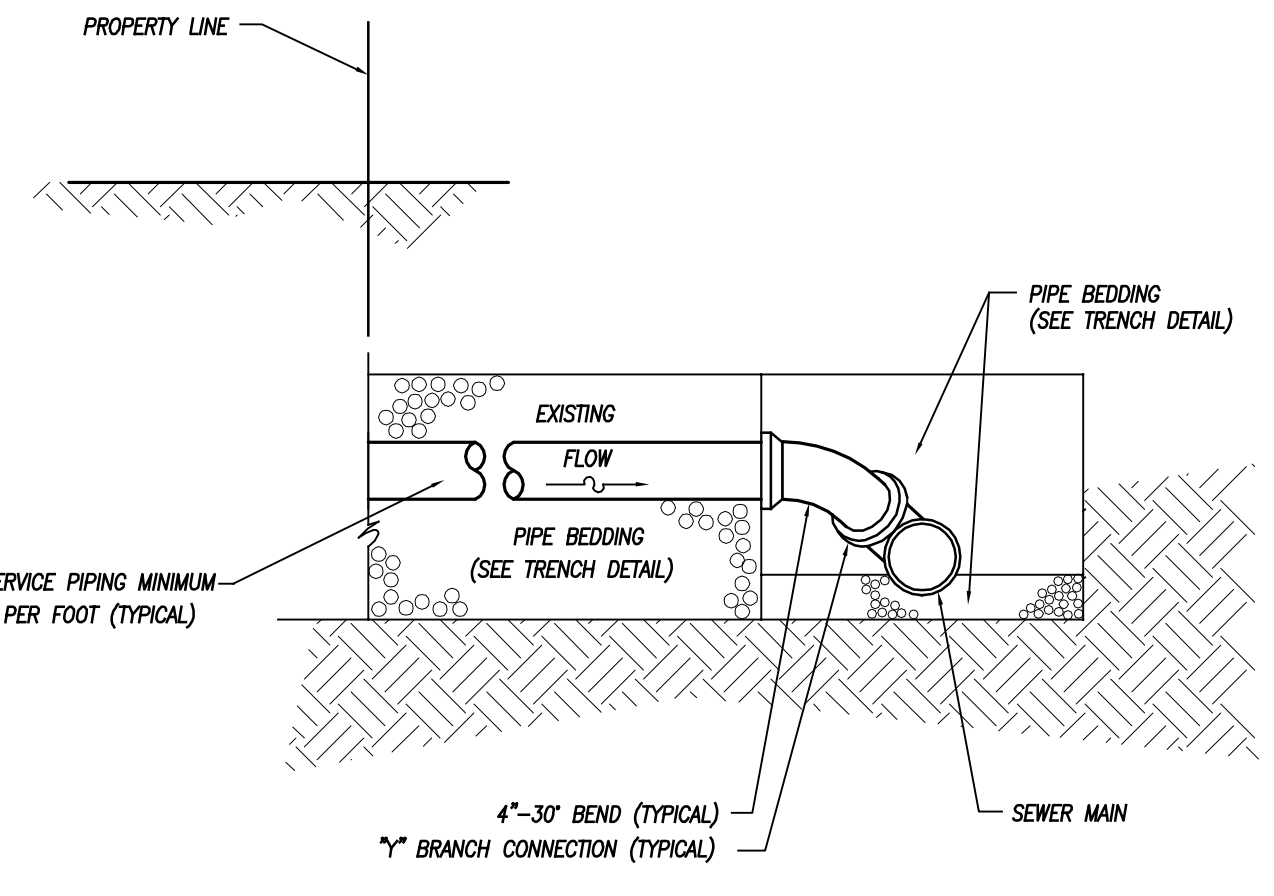
NOT TO SCALE



WOOD GUIDE RAIL

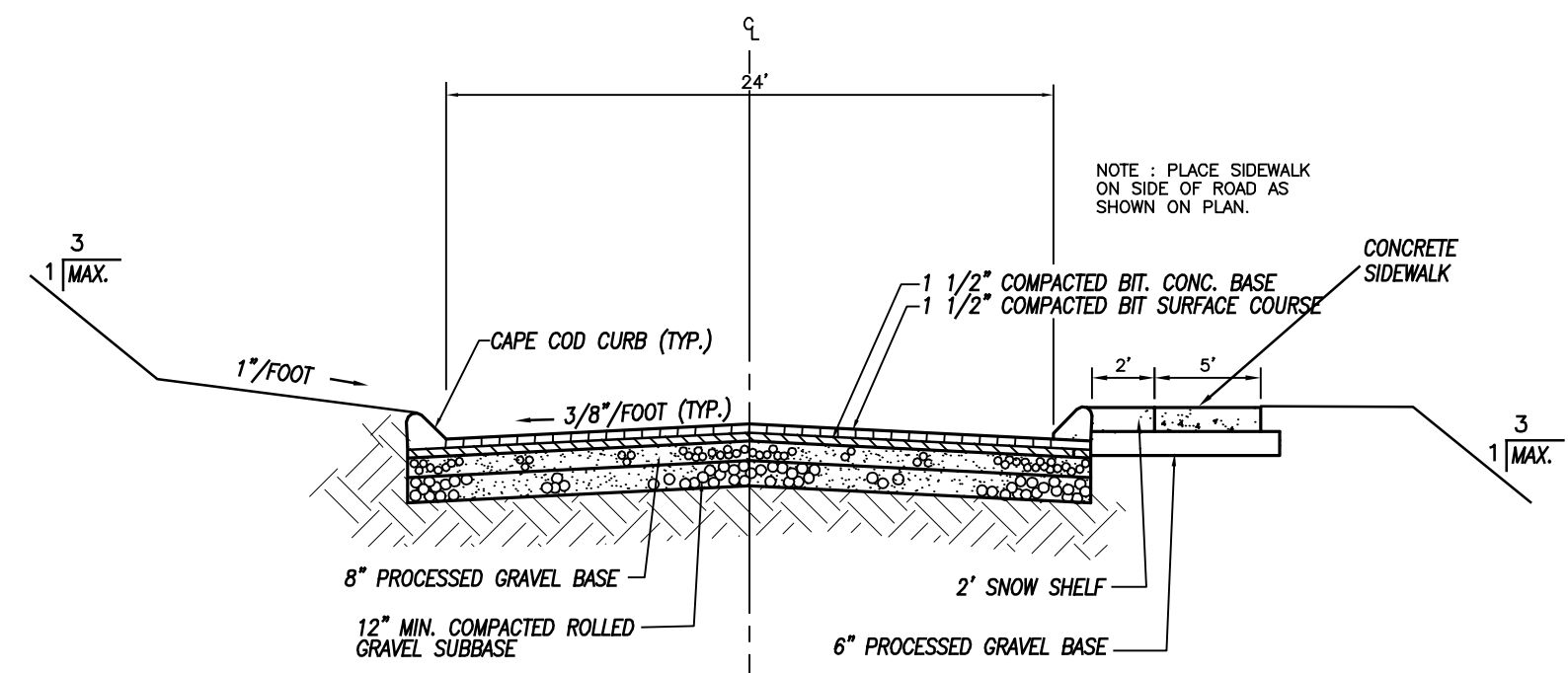
NOT TO SCALE

1. WOOD POST COMPONENTS SHALL BE SPRUCE OR HEMLOCK, GRADE #2 PRIME OR BETTER.
2. POST SHALL BE CERTIFIED 0.6 CCF PRESERVATIVE RETENTION RATE, ANPPA CATEGORY UC4C.
3. PRESERVATIVE SHALL BE WATER BASED AND CONSIST OF COPPER AZOLE TYPE B OR C.



SEWER CONNECTION DETAIL

NOT TO SCALE



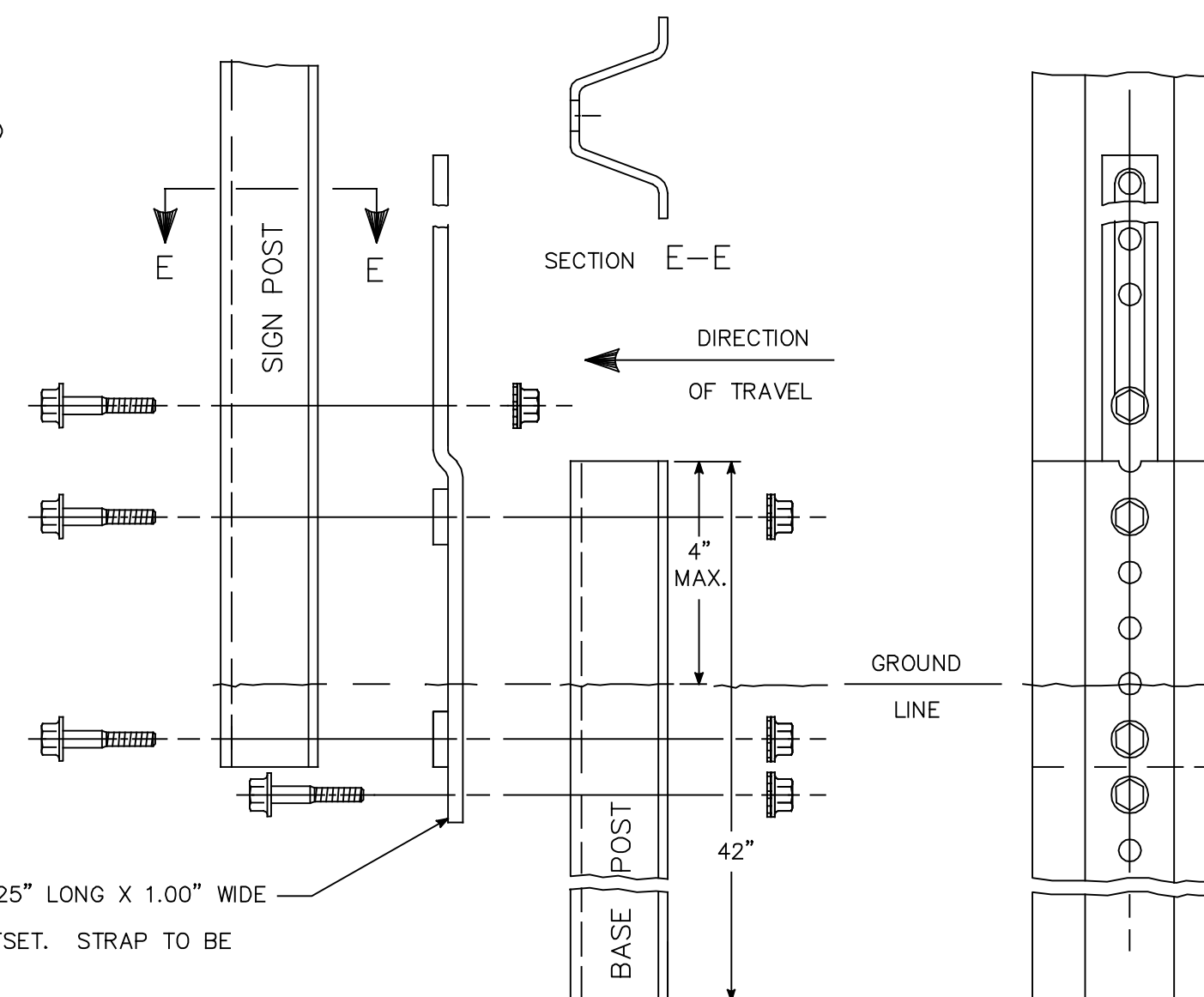
ROADWAY CROSS SECTION

NOT TO SCALE

BOLTS - HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A354. -18 UNC X 1.75", GRADE BC FOR 3.00 LBS./FT. POSTS -18 UNC X 2.0", GRADE BD FOR 4.00 LB./FT. POSTS.

NUTS -18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.

LOCKWASHERS - HEAVY DUTY EXTERNAL TYPE.



RETAINER-SPACER STRAP 17.125" LONG X 1.00" WIDE X .375" THICK WITH .375" OFFSET. STRAP TO BE GALVANIZED TO ASTM A 123.

BREAKAWAY TYPE I INSTALLATION - FOR 3 & 4 LB. POSTS

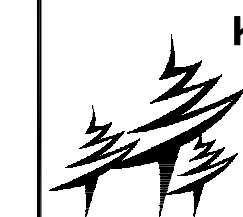
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DATE	DESCRIPTION
REVISIONS	

DETAIL SHEET 3

PREPARED FOR

SHANE POLLOCK

LOUISE BERRY DRIVE
BROOKLYN, CONNECTICUT



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