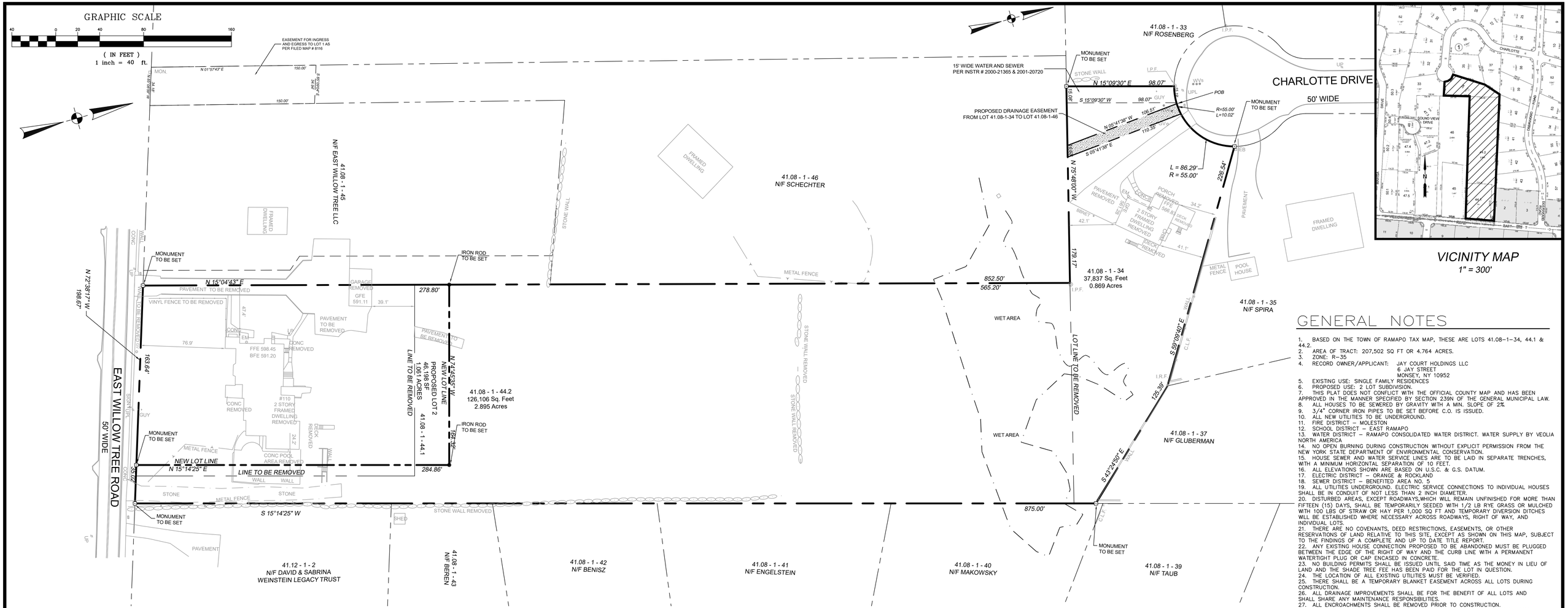


VICINITY MAP
1" = 300'

GENERAL NOTES

1. BASED ON THE TOWN OF RAMAPO TAX MAP, THESE ARE LOTS 41.08–1–34, 44.1 & 44.2.
2. AREA OF TRACT: 207,502 SQ FT OR 4.764 ACRES.
3. ZONE: R–35
4. RECORD OWNER/APPLICANT: JAY COURT HOLDINGS LLC
   6 JAY STREET
   MONSEY, NY 10952
5. EXISTING USE: SINGLE FAMILY RESIDENCES
6. PROPOSED USE: 2 LOT SUBDIVISION.
7. THIS PLAT DOES NOT CONFLICT WITH THE OFFICIAL COUNTY MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239N OF THE GENERAL MUNICIPAL LAW.
8. ALL HOUSES TO BE SEWERED BY GRAVITY WITH A MIN. SLOPE OF 2%.
9. 3/4" CORNER IRON PIPES TO BE SET BEFORE C.O. IS ISSUED.
10. ALL NEW UTILITIES TO BE UNDERGROUND.
11. FIRE DISTRICT – MOLESTON
12. SCHOOL DISTRICT – EAST RAMAPO
13. WATER DISTRICT – RAMAPO CONSOLIDATED WATER DISTRICT. WATER SUPPLY BY VEOLIA NORTH AMERICA
14. NO OPEN BURNING DURING CONSTRUCTION WITHOUT EXPLICIT PERMISSION FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
15. HOUSE SEWER AND WATER SERVICE LINES ARE TO BE LAID IN SEPARATE TRENCHES, WITH A MINIMUM HORIZONTAL SEPARATION OF 10 FEET.
16. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. & G.S. DATUM.
17. ELECTRIC DISTRICT – ORANGE & ROCKLAND
18. SEWER DISTRICT – BENEFITED AREA NO. 5
19. ALL UTILITIES UNDERGROUND. ELECTRIC SERVICE CONNECTIONS TO INDIVIDUAL HOUSES SHALL BE IN CONDUIT OF NOT LESS THAN 2 INCH DIAMETER.
20. DISTURBED AREAS, EXCEPT ROADWAYS,WHICH WILL REMAIN UNFINISHED FOR MORE THAN FIFTEEN (15) DAYS, SHALL BE TEMPORARILY SEEDED WITH 1/2 LB RYE GRASS OR MULCHED WITH 100 LBS OF STRAW OR HAY PER 1,000 SQ FT AND TEMPORARY DIVERSION DITCHES WILL BE ESTABLISHED WHERE NECESSARY ACROSS ROADWAYS, RIGHT OF WAY, AND INDIVIDUAL LOTS.
21. THERE ARE NO COVENANTS, DEED RESTRICTIONS, EASEMENTS, OR OTHER RESERVATIONS OF LAND RELATIVE TO THIS SITE, EXCEPT AS SHOWN ON THIS MAP, SUBJECT TO THE FINDINGS OF A COMPLETE AND UP TO DATE TITLE REPORT.
22. ANY EXISTING HOUSE CONNECTION PROPOSED TO BE ABANDONED MUST BE PLUGGED BETWEEN THE EDGE OF THE RIGHT OF WAY AND THE CURB LINE WITH A PERMANENT WATERTIGHT PLUG OR CAP ENCASED IN CONCRETE.
23. NO BUILDING PERMITS SHALL BE ISSUED UNTIL SAID TIME AS THE MONEY IN LIEU OF LAND AND THE SHADE TREE FEE HAS BEEN PAID FOR THE LOT IN QUESTION.
24. THE LOCATION OF ALL EXISTING UTILITIES MUST BE VERIFIED.
25. THERE SHALL BE A TEMPORARY BLANKET EASEMENT ACROSS ALL LOTS DURING CONSTRUCTION.
26. ALL DRAINAGE IMPROVEMENTS SHALL BE FOR THE BENEFIT OF ALL LOTS AND SHALL SHARE ANY MAINTENANCE RESPONSIBILITIES.
27. ALL ENCROACHMENTS SHALL BE REMOVED PRIOR TO CONSTRUCTION.
28. IN ACCORDANCE WITH THE ROCKLAND COUNTY SANITARY CODE, SEDIMENT AND EROSION CONTROL SHALL BE IMPLEMENTED, WHERE AND WHEN NEEDED IN CONFORMANCE TO THE RECOMMENDATIONS OF THE ROCKLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT.
29. NO BUILDING PERMITS WILL BE ISSUED UNTIL SUCH TIME AS THE EROSION CONTROL MEASURES REQUIRED AS PART OF THE EROSION CONTROL PLAN ARE INSTALLED WORKS.
30. ANY EXISTING ABOVEGROUND UTILITIES MUST BE REMOVED AND PLACED UNDERGROUND.
31. ALL WORK WITHIN THE TOWN RIGHT–OF–WAY SHALL BE COMPLETED IN ACCORDANCE WITH TOWN OF RAMAPO STANDARDS AND SPECIFICATIONS.
32. ALL RETAINING WALLS GREATER THAN 4 FEET IN HEIGHT MUST BE DESIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.
33. PLANS ARE BASED ON FIELD ENGINEERING DATA AND CERTIFIED HERETO BY:

_____ _____
PROFESSIONAL ENGINEER AND OR LAND SURVEYOR DATE

34. THE UNDERSIGNED, OWNER AND/OR APPLICANT, AS A CONDITION OF APPROVAL OF THIS SITE PLAN, HEREBY AGREES TO COMPLETE THE WITHIN SITE DEVELOPMENT PLAN AS DRAWN AND ALL IMPROVEMENTS SHOWN THEREON, AS A CONDITION OF THE ISSUANCE OF A BUILDING PERMIT. THE APPLICANT/OWNER IS AWARE THAT NO CHANGES IN THIS PLAN MAY BE MADE UNLESS APPROVED BY THE PLANNING BOARD.

_____ _____
APPLICANT DATE

_____ _____
OWNER DATE

Bulk Requirements: R-35 Single Family Residence															
	Min Lot Area	Min Lot Frontage Charlotte Drive	Min Lot Frontage Willow Tree Road	Min Lot Width	Min Effective Square	Min Front Yard Willow Tree Road	Min Front Yard Charlotte Drive	Min Side Yard	Min Total Side Yard	Min Rear Yard	Max Impervious Surface Ratio	Max Front Yard Impervious Surface Ratio Willow Tree Road	Max Front Yard Impervious Surface Ratio Charlotte Road	Max Building Coverage	Max Building Height	Max Exposed Building Height
Required	35,000 SF	100 FT	100 FT	125 FT / 75 FT cul-de-sac	125 FT	50 FT	50 FT	25 FT	60 FT	50 FT	0.25	0.2	0.2	0.1	2.5 stories/ 25 FT	40 FT
Proposed Lot 1	161,304 SF	86 FT	35 FT	138 FT	125 FT	244 FT	356 FT	50 FT	N/A	66 FT	0.17	0.16	0.09	0.05	<25 FT	<40 FT
Proposed Lot 2	46,198 SF	N/A	163 FT	163 FT	125 FT	50 FT	N/A	35 FT	84 FT	166 FT	0.19	0.11	N/A	0.074	<25 FT	<40 FT

Bulk Requirements: R-35 Single Family Residence													
	Min Lot Area	Min Lot Frontage	Min Lot Width	Min Effective Square	Min Front Yard	Min Side Yard	Min Total Side Yard	Min Rear Yard	Max Impervious Surface Ratio	Max Front Yard Impervious Surface Ratio	Max Building Coverage	Max Building Height	Max Exposed Building Height
Required	35,000 SF	100 FT	125 FT / 75 FT cul-de-sac	125 FT	50 FT	25 FT	60 FT	50 FT	0.25	0.2	0.1	2.5 stories/ 25 FT	40 FT
Existing Lot 44.1	43,558 SF	174 FT	174 FT	125 FT	76.9 FT	0 FT	24.2 FT	39.1 FT	0.27	0.05	0.11	2 Stories	<40 FT
Existing Lot 44.2	126,106 SF	25 FT	199 FT	125 FT	N/A	N/A	N/A	N/A	0.003	N/A	N/A	N/A	N/A
Existing Lot 34	37,837 SF	86 FT	138 FT	125 FT	65.1 FT	34.2 FT	135.7 FT	42.1 FT	0.13	0.1	0.04	2 Stories	<40 FT

REFERENCES

1. *BEING SECTION 41.08, BLOCK 1, LOTS 34, 44.1 & 44.2 OF THE VILLAGE OF WESLEY HILLS AND TOWN OF RAMAPO TAX MAPPING.*
2. *LOT 34 DESCRIBED BY DEED IN INSTRUMENT NO. 2021 AT PAGE 40444 AT THE ROCKLAND COUNTY CLERKS OFFICE.*
3. *LOT 44.1 DESCRIBED BY DEED IN INSTRUMENT NO. 2022 AT PAGE 34277 AT THE ROCKLAND COUNTY CLERKS OFFICE.*
4. *LOT 44.2 DESCRIBED BY DEED IN INSTRUMENT NO. 2020 AT PAGE 26029 AT THE ROCKLAND COUNTY CLERKS OFFICE.*
5. *LOT 34 BEING LOT 8 IN BLOCK A ON A MAP ENTITLED "MAYFLOWER KNOLLS IN POMONA", FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE ON JULY 26, 1963 IN BOOK 66 ON PAGE 70 AS MAP NUMBER 3150.*
6. *LOTS 44.1 & 44.2 BEING LOTS 1 & 2 ON A MAP ENTITLED "SUBDIVISION PLAT FOR MOSKOWITZ", FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE ON SEPTEMBER 20, 2010 IN BOOK 128 ON PAGE 60 AS MAP NUMBER 8116.*
7. *REFERRING TO A MAP ENTITLED "SUBDIVISION MAP OF SECTION 2 AND 3 OF RAINBOW RIDGE", FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE ON NOVEMBER 26, 1962 IN BOOK 65 ON PAGE 47 AS MAP NUMBER 3056.*
8. *REFERRING TO A MAP ENTITLED "FINAL SUBDIVISION PLAT OF PROPERTY OF FRED & ELIZABETH METZ", FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE ON JULY 3, 1986 IN BOOK 106 ON PAGE 2 AS MAP NUMBER 5920.*
9. *TOTAL AREA OF LOT 34 = 37,837 SQUARE FEET OR 0.869 ACRES.*
10. *TOTAL AREA OF LOT 44.1 = 43,558 SQUARE FEET OR 1.000 ACRES.*
11. *TOTAL AREA OF LOT 44.2 = 126,106 SQUARE FEET OR 2.895 ACRES.*

ROCKLAND COUNTY DRAINAGE AGENCY APPROVAL

APPROVED FOR FILING

_____ _____
CHAIRMAN ROCKLAND COUNTY DRAINAGE AGENCY DATE

OWNERS APPROVAL BLOCK

APPROVED FOR FILING

_____ _____
OWNER OR REPRESENTATIVE DATE

APPROVAL BLOCK

APPROVED AS FINAL PLAT BY THE VILLAGE OF WESLEY HILLS PLANNING BOARD

_____ _____
CHAIRPERSON DATE

WE HEREBY CERTIFY THAT THIS SUBDIVISION PLAT WAS PREPARED BY US AND MADE FROM AN ACTUAL SURVEY COMPLETED BY US ON APRIL 24, 2024.

DATE	ISSUE	DESCRIPTION
APRIL 29, 2025	REV 6	REV PER COMMENTS
MARCH 20, 2025	REV 5	REV EASEMENT
FEBRUARY 14, 2025	REV 4	REV FOR SIGNATURE
JANUARY 7, 2025	REV 3	REV FOR SIGNATURE
OCTOBER 25, 2024	REV 2	REV STORMWATER
SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS

REVISIONS

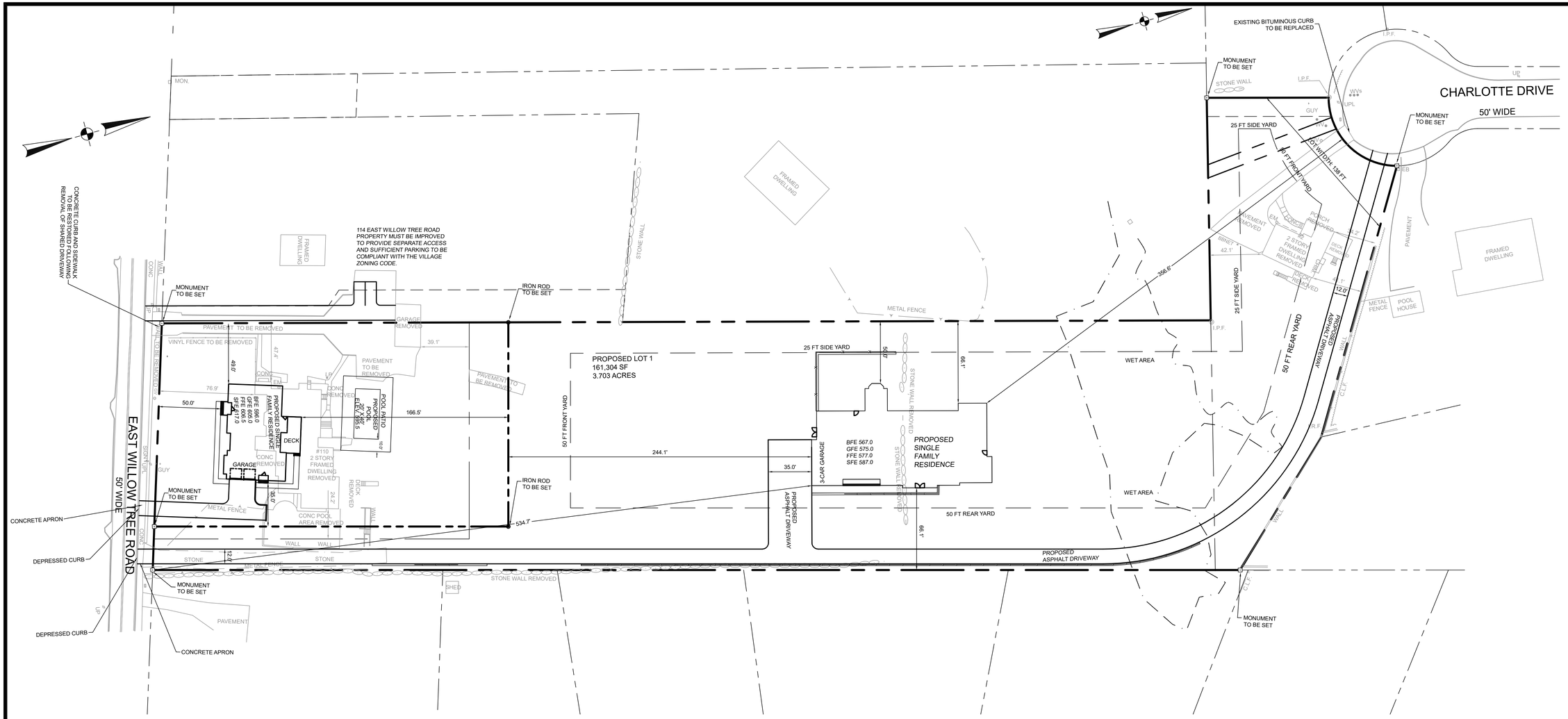
S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

SUBDIVISION PLAT
FOR
2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD
VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

CIVIL TEC Engineering & Surveying PC
139 Lafayette Avenue, 2nd Fl.
Suffern, NY 10901
P 845.547.2241 - F 845.547.2243
111 Main Street
Chester, NY 10918
845.610.3621
Civil Engineering & Land Surveying Services that Build Communities
www.Civil-Tec.com

DATE:	4/29/24
DRAWN BY:	RB/LT
CHKD BY:	RB/LT
JOB No.	4354
SCALE:	1"=40'
DWG No.	1 OF 7

STEPHEN P. DOLSON, P.L.S.
N.Y. Lic. No. 50554



Bulk Requirements: R-35 Single Family Residence													
	Min Lot Area	Min Lot Frontage	Min Lot Width	Min Effective Square	Min Front Yard	Min Side Yard	Min Total Side Yard	Min Rear Yard	Max Impervious Surface Ratio	Max Front Yard Impervious Surface Ratio	Max Building Coverage	Max Building Height	Max Exposed Building Height
Required	35,000 SF	100 FT	125 FT/75 FT cul-de-sac	125 FT	50 FT	25 FT	60 FT	50 FT	0.25	0.2	0.1	2.5 stories/ 25 FT	40 FT
Existing Lot 44.1	43,558 SF	174 FT	174 FT	125 FT	76.9 FT	0 FT	24.2 FT	39.1 FT	0.27	0.05	0.11	2 Stories	<40 FT
Existing Lot 44.2	126,106 SF	25 FT	199 FT	125 FT	N/A	N/A	N/A	N/A	0.003	N/A	N/A	N/A	N/A
Existing Lot 34	37,837 SF	86 FT	138 FT	125 FT	65.1 FT	34.2 FT	135.7 FT	42.1 FT	0.13	0.1	0.04	2 Stories	<40 FT

Bulk Requirements: R-35 Single Family Residence															
	Min Lot Area	Min Lot Frontage Charlotte Drive	Min Lot Frontage Willow Tree Road	Min Lot Width	Min Effective Square	Min Front Yard Willow Tree Road	Min Front Yard Charlotte Drive	Min Side Yard	Min Total Side Yard	Min Rear Yard	Max Impervious Surface Ratio	Max Front Yard Impervious Surface Ratio Willow Tree Road	Max Front Yard Impervious Surface Ratio Charlotte Road	Max Building Coverage	Max Building Height	Max Exposed Building Height
Required	35,000 SF	100 FT	100 FT	125 FT/75 FT cul-de-sac	125 FT	50 FT	50 FT	25 FT	60 FT	50 FT	0.25	0.2	0.2	0.1	2.5 stories/ 25 FT	40 FT
Proposed Lot 1	161,304 SF	86 FT	35 FT	138 FT	125 FT	244 FT	356 FT	50 FT	N/A	66 FT	0.17	0.16	0.09	0.05	<25 FT	<40 FT
Proposed Lot 2	46,198 SF	N/A	163 FT	163 FT	125 FT	50 FT	N/A	35 FT	84 FT	166 FT	0.19	0.11	N/A	0.074	<25 FT	<40 FT

Max Building Coverage Lot 1	
Building Coverage	8,819 SF
Total SQFT	161,304 SF
Max Building Coverage	0.05

Max Building Coverage Lot 2	
Buidling Coverage	3,421 SF
Total SF	46,198 SF
Max Building Coverage	0.074

Max Impervious Surface Ratio Lot 1	
Building	8,819 SF
Driveway	17,208 SF
Walkway	550 SF
Front Landing + Steps	150 SF
Total Impervious	26,727 SF
Total Lot SF	161,304 SF
Max Imperious Surface Ratio	0.166

Max Impervious Surface Ratio Lot 2	
Building/Decks/Stairs	3,967 SF
Driveway	1,504 SF
Walkways	537 SF
Pool/Pool Patio	2,400 SF
Max Impervious Surface Ratio	0.182

Max Front Yard Impervious Lot 1 (Charlotte Drive)	
Driveway	6,113 SF
Total Impervious	6,113 SF
Total Front Yard	73,980 SF
Front Yard Impervious Surface Ratio	0.083

Max Front Yard Impervious Lot 1 (Willow Tree Road)	
Driveway	9,371 SF
Total Impervious	9,371 SF
Total Front Yard	58,729 SF
Front Yard Impervious Surface Ratio	0.160

Max Front Yard Impervious Lot 2	
Walkway	265 SF
Driveway	600 SF
Total Impervious	865 SF
Total Front Yard	8186 SF
Front Yard Impervious Surface Ratio	0.106

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

DATE	ISSUE	DESCRIPTION	REVISIONS
APRIL 29, 2025	REV 6	REV PER COMMENTS	
MARCH 20, 2025	REV 5	REV EASEMENT	
FEBRUARY 14, 2025	REV 4	REV FOR SIGNATURE	
JANUARY 7, 2025	REV 3	REV FOR SIGNATURE	
OCTOBER 25, 2024	REV 2	REV STORMWATER	
SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS	

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

LAYOUT PLAN

FOR

2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD

VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

CIVIL TEC Engineering & Surveying PC

139 Lafayette Avenue, 2nd Fl.
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111 Main Street
Chester, NY 10918
845.610.3621

Civil Engineering & Land Surveying Services that Build C
www.Civil-Tec.com

Rachel Barese
Rachel B. Barese, P.E.
N.Y. Lic. No. 90143

STATE OF NEW YORK · RACHEL BETH BARESE · 090143 · LICENSED PROFESSIONAL ENGINEER

DATE:	4/29/24
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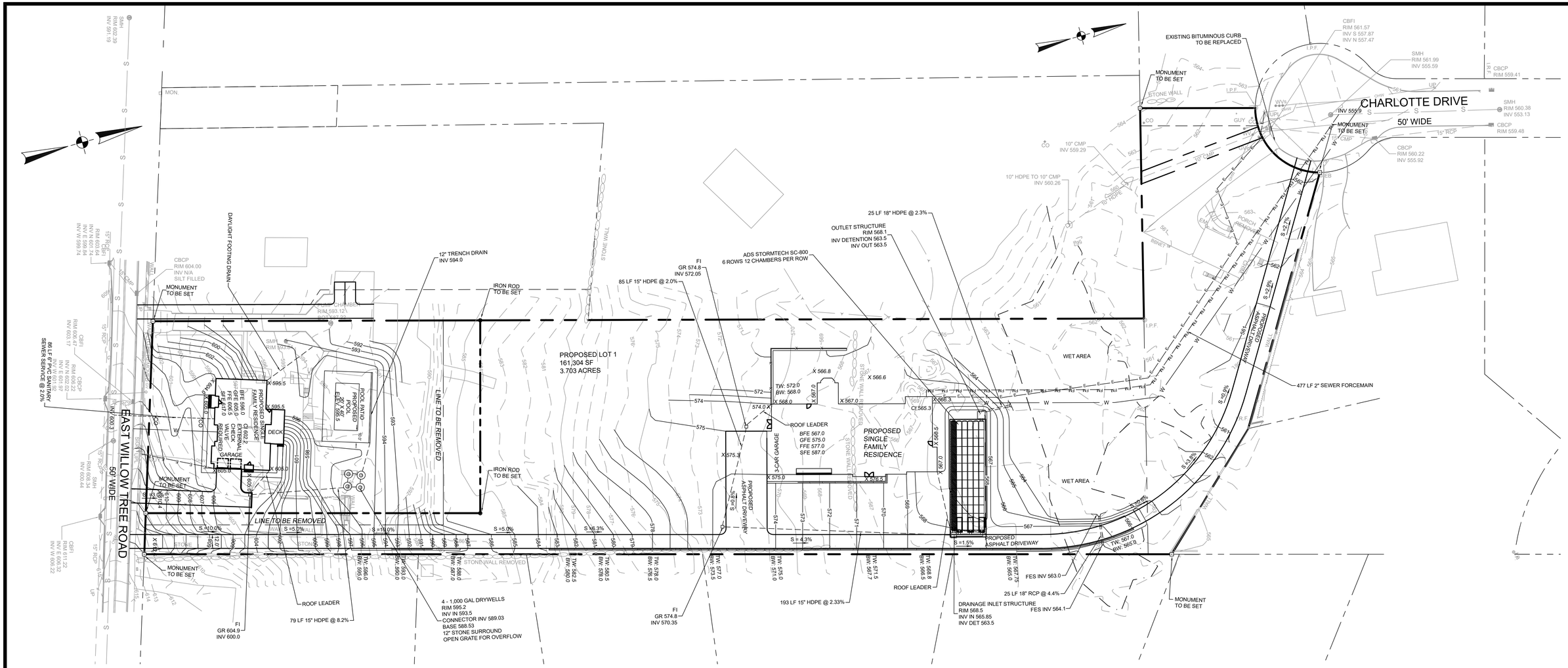
CHKD BY:	RB/LT
JOB No.	4354
SCALE:	1"=40'
DWG No.	2 OF 7



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

TREES TO BE PLANTED ALONG NEW DRIVEWAY EVERY 10 FT O.C. TREES TO BE DECIDUOUS 2 INCH CALIPER OR EVERGREENS 6 FT HEIGHT. DRIVEWAY TO BE CROSS SLOPED TOWARDS THE TREES TO ENSURE RUNOFF IS DIRECTED TO THE TREES.

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SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

GRADING, DRAINAGE & UTILITIES

FOR

2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD

VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

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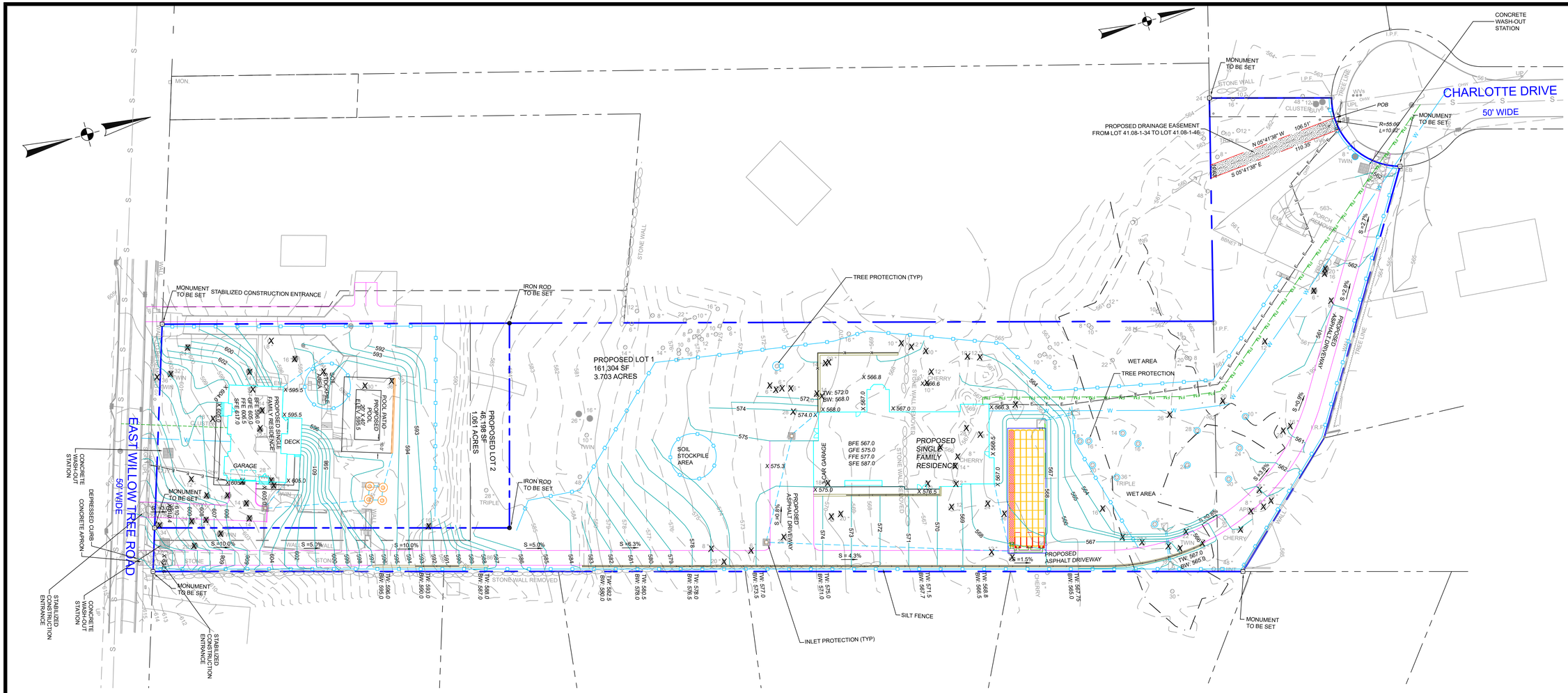

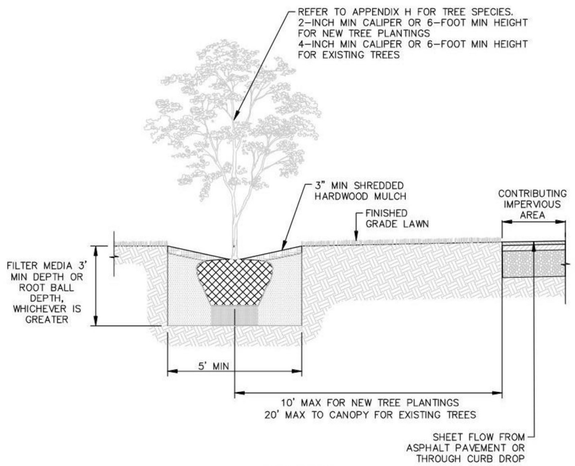

PROFILE VIEW

Figure 5.35 Tree Planting (RR-3)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

Standard Erosion Control Notes

An Erosion control system will be utilized by the developer to minimize the production of sediment from the site. Methods to be utilized will be those found most effective for the site and shall include one or more of the following, as applicable:

1) Temporary sedimentation entrapment areas shall be provided at key locations to intercept and clarify silt laden runoff from the site. These may be excavated or may be created utilizing earthen berms, rip-rap or crushed stone dams, hay bales, or other suitable materials. Diversion swales, berms, or other channelization shall be constructed to ensure that all silt laden waters are directed into the entrapment areas, which shall not be permitted to fill in, but shall be cleaned periodically during the course of construction. The collected silt shall be deposited in areas safe from further erosion.
2) All disturbed areas, except roadways, which will remain unfinished for more than 30 days shall be temporarily seeded with ½ lb. of rye grass or mulched with 100 lbs. of straw or hay per 1,000 square feet. Roadways shall be stabilized as rapidly as practicable by the installation of the base course.
3) Silt that leaves the site in spite of the required precautions shall be collected and removed as directed by appropriate municipal authorities.
4) At the completion of the project, all temporary siltation devices shall be removed.

Standard Landscape Notes

1) Mulch all plant beds and trees with a 4" depth of sugar cane or licorice root mulch.
2) Stake all trees with 2 cedar stakes, rubber hose around tree (6'0" above grade) and twisted #10 gauge galvanized wire.
3) Plant pits shall be 12" wider and 6" deeper than the root ball. Remove all existing soil and backfill with a mixture of one part peat-humus to 4 parts topsoil. Add 3 year Eeesey grow fertilizer packets (or equal) – 1 per inch of tree caliper or per 12" height of shrub.
4) Guarantee all plants and workmanship for two planting seasons.
5) All planting shall be placed under the direction of an appropriate licensed design professional. Notify 48 hours prior to planting.
6) Provide the Town of Ramapo building inspector with a copy of the State Certificate of Source for all plant material.
7) All plant material shall be nursery grown and shall conform to the American Association of Nursery Men's Standards.

TREES TO BE PLANTED ALONG NEW DRIVEWAY EVERY 10 FT O.C. TREES TO BE DECIDUOUS 2 INCH CALIPER OR EVERGREENS 6 FT HEIGHT. DRIVEWAY TO BE CROSS SLOPED TOWARDS THE TREES TO ENSURE RUNOFF IS DIRECTED TO THE TREES.

ALL DISTURBED AREAS WITHIN THE VILLAGE RIGHT-OF-WAY TO BE RESTORED WITH MINIMUM 4" OF TOPSOIL AND SEED.

IN AREAS ALONG THE DRIVEWAY WHERE TREES CANNOT BE PLANTED AS SPECIFIED, CURBING SHALL BE INSTALLED TO DIRECT RUNOFF TO TREE PLANTINGS.

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SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS

REVISIONS

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

EROSION CONTROL PLAN

FOR

2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD

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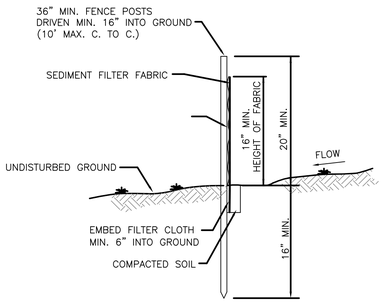


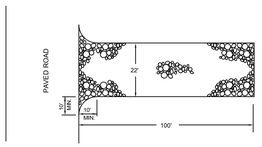
SECTION

SILT FENCE

N.T.S.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.
5. POST TO BE STEEL EITHER "T" OR "U" TYPE OR 2" HARWOOD.
6. FILTER CLOTH TO BE MIRAFI 100X STABIIINKA T140N OR APPROVED EQUAL.
7. PREFABRICATED UNIT – GEOFAB. ENVIROFENCE OR APPROVED EQUAL.

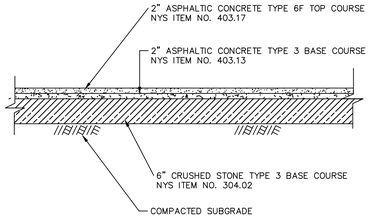


STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

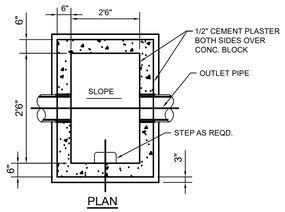
CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 2 INCHES STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN 6 INCHES.
4. WIDTH – 12 FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR FEET IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

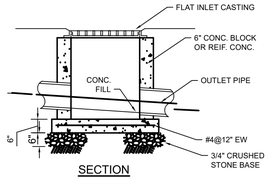


TYPICAL PAVEMENT SECTION

SCALE: N. T. S.



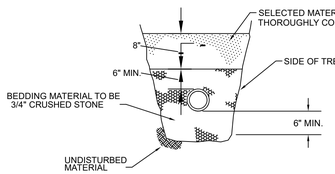
PLAN



SECTION

TYP. FIELD INLET

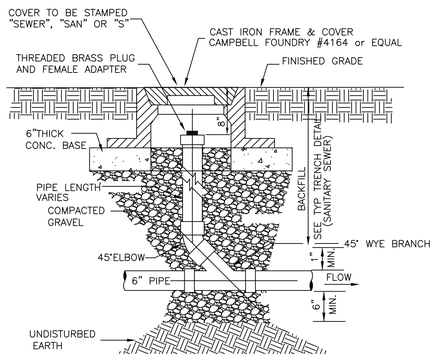
NOT TO SCALE



SECTION B-B

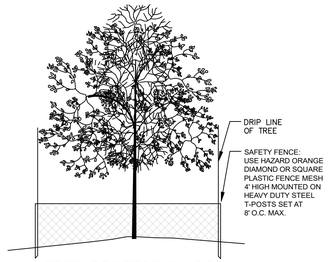
BUILDING CONNECTION TRENCH DETAIL

N.T.S.



BUILDING SEWER CLEANOUT

N.T.S.

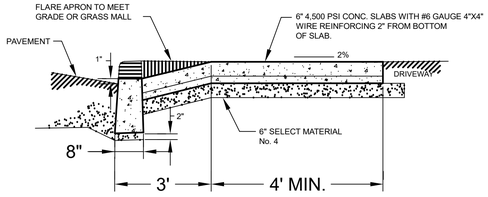


TREE PROTECTION DETAIL

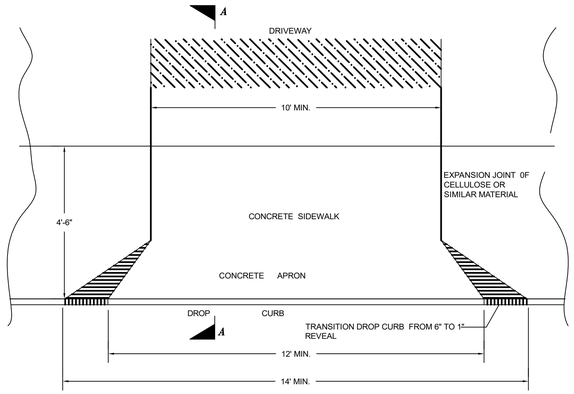
NOT TO SCALE

NOTES:

1. WHEN POSSIBLE THE DEVELOPER SHALL PROTECT INDIVIDUAL SPECIMEN TREES THROUGH THE INSTALLATION OF SAFETY FENCING AROUND THE DRIP LINE PERIMETER OF THE TREE. ALL TREES OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL BE SAVED.
2. SAFETY FENCING SHALL BE INSTALLED AT THE ONSET OF SITE CONSTRUCTION TO PREVENT VEHICLE TRAFFIC FROM COMPACTING THE SOILS IN THE VICINITY OF THE TREE ROOT STRUCTURE.

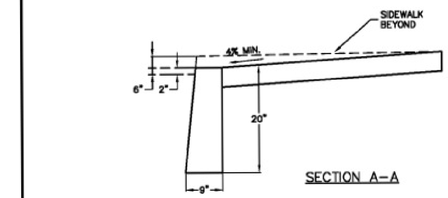


SECTION "A–A"



PLAN OF DRIVEWAY ENTRANCE WITH SIDEWALK

NOT TO SCALE



ELEVATION

SECTION A–A

DEPRESSED CURB DETAIL

N.T.S.

NOTES:
1. CONCRETE TO TEST 4000 PSI MIN. ON 28 DAY COMPRESSIVE TEST.
2. STEEL SEPARATIONS SHALL BE USED WITH ALL THE FORMS TO CREATE A CONSTRUCTION JOINT EVERY 10 FEET ALONG CURB.
3. CONTRACTOR TO NOTIFY VILLAGE ENGINEER PRIOR POURING.

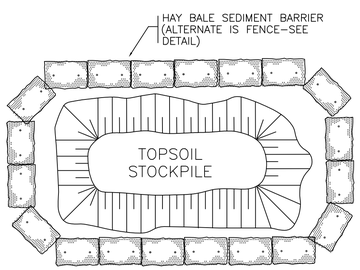
VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, N.Y.
DEPRESSED CURB DETAIL

PLAN VIEW

ELEVATION VIEW

1. *Locate the facility a minimum of 100 feet from drainage swales, storm drain inlets, wetlands, streams and other surface waters. Prevent surface water from entering the structure except for the access road. Provide appropriate access with a gravel access road sloped down to the structure. Signs shall be placed to direct drivers to the facility after their load is discharged.*
2. *All washout facilities will be lined to prevent leaching of liquids into the ground. The liner shall be plastic sheeting with a minimum thickness of 10 mils with no holes or tears, and anchored beyond the top of the pit with an earthen berm, sand bags, stone, or other structural appurtenance except at the access point. If pre-fabricated washouts are used they must ensure the capture and containment of the concrete wash and be sized based on the expected frequency of concrete pours. They shall be sited as noted in the location criteria.*
3. *All concrete washout facilities shall be inspected daily. Damaged or leaking facilities shall be deactivated and repaired or replaced immediately. Excess rainwater that has accumulated over hardened concrete should be pumped to a stabilized area, such as a grass filter strip.*
4. *Accumulated hardened material shall be removed when 75% of the storage capacity of the structure is filled. Any excess wash water shall be pumped into a containment vessel and properly disposed of off site.*
5. *Dispose of the hardened material off-site in a construction/demolition landfill.*
6. *The plastic liner shall be replaced with each cleaning of the washout facility.*
7. *Inspect the project site frequently to ensure that no concrete discharges are taking place in non-designated areas.*
8. *Perimeter berm shall have a minimum height of 1'.*

CONCRETE WASHOUT STATION



TOPSOIL STOCKPILE SEDIMENT BARRIER

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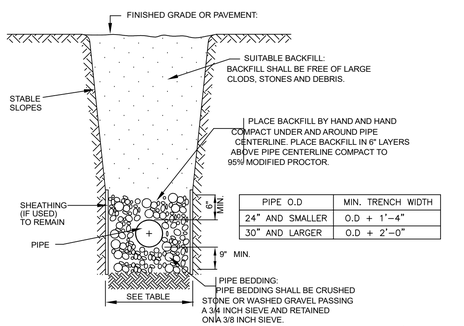
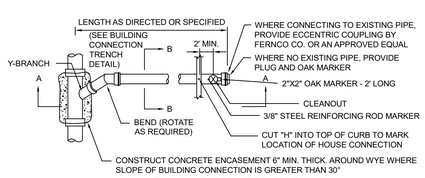


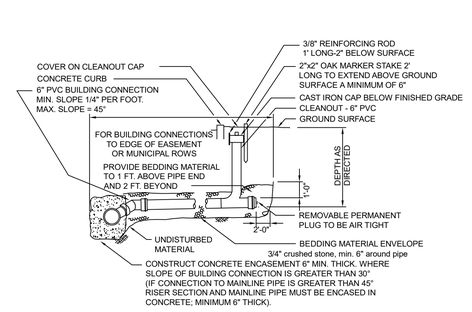
PIPE O.D	MIN. TRENCH WIDTH
24" AND SMALLER	O.D + 1'–4"
30" AND LARGER	O.D + 2'–0"

TYPICAL TRENCH DETAIL (STORM SEWER)

N.T.S.



BUILDING CONNECTION PLAN



SECTION A-A

BUILDING CONNECTION ELEVATION

BUILDING CONNECTION DETAIL

N.T.S.

DATE	ISSUE	DESCRIPTION
APRIL 29, 2025	REV 6	REV PER COMMENTS
MARCH 20, 2025	REV 5	REV EASEMENT
FEBRUARY 14, 2025	REV 4	REV FOR SIGNATURE
JANUARY 7, 2025	REV 3	REV FOR SIGNATURE
OCTOBER 25, 2024	REV 2	REV STORMWATER
SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS

DATE	ISSUE	DESCRIPTION	REVISIONS

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

DETAILS
FOR
2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD
VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

CIVIL TEC Engineering & Surveying PC
139 Lafayette Avenue, 2nd Fl.
Suffern, NY 10901
P 845.547.2241 - F 845.547.2243
111 Main Street
Chester, NY 10918
845.610.3621
Civil Engineering & Land Surveying Services that Build C
www.Civil-Tec.com

DATE:	4/29/24
DRAWN BY:	RB/LT
CHKD BY:	RB/LT
JOB No.	4354
SCALE:	1"=40'
DWG No.	5 OF 7

STATE OF NEW YORK · RACHEL BETH BARESE · 090143 · LICENSED PROFESSIONAL ENGINEER

Rachel Barese
Rachel B. Barese, P.E.
N.Y. Lic. No. 90143

PROJECT INFORMATION

ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

Advanced Drainage Systems, Inc.

ADS SiteAssist® FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR APP

2 CHARLOTTE DR

WESLEY HILLS, NY, USA

SC-800 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-800.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

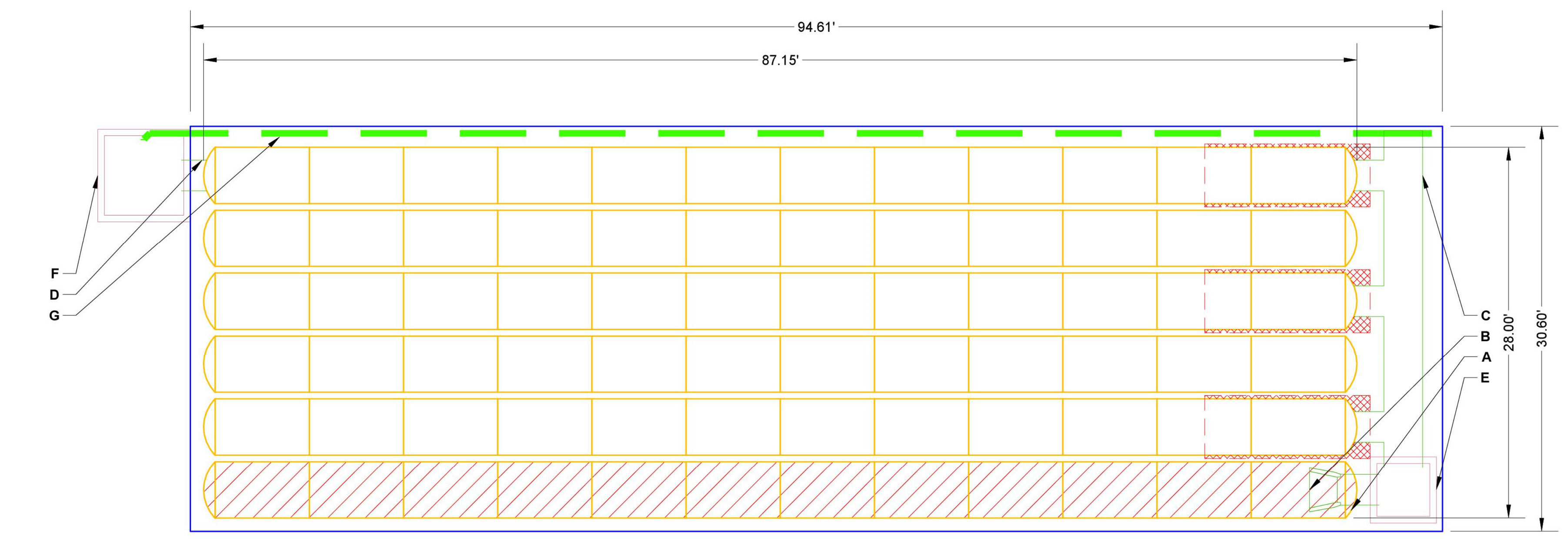
CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

PROPOSED LAYOUT	
72	STORMTECH SC-800 CHAMBERS
12	STORMTECH SC-800 END CAPS
6	STONE ABOVE (in)
6	STONE BELOW (in)
40	STONE VOID
6554	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)
2895	SYSTEM AREA (SF)
250.4	SYSTEM PERIMETER (ft)
512	THERMOPLASTIC LINER (SY) (20% OVERAGE)

CONCEPTUAL ELEVATIONS:	
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	11.25
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	5.00
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	4.50
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	4.50
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	4.50
TOP OF STONE:	3.75
TOP OF SC-800 CHAMBER:	3.25
30" x 24" TOP MANIFOLD INVERT (24" PIPE):	0.69
24" ISOLATOR ROW PLUS INVERT:	0.69
24" BOTTOM CONNECTION INVERT:	0.69
BOTTOM OF SC-800 CHAMBER:	0.50
30" x 24" TOP MANIFOLD INVERT (30" PIPE):	0.20
UNDERDRAIN INVERT:	0.00
BOTTOM OF STONE:	0.00

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PRE-CORED END CAP	A	24" BOTTOM PRE-CORED END CAP, PART#: SC800EPE24BPC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.30"	
FLAMP	B	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: SC74024RAMP		
MANIFOLD	C	30" x 24" ADS N-12 (30" PIPE) 30" x 24" ADS N-12 (24" PIPE)	-3.62" 2.30"	
PIPE CONNECTION	D	24" BOTTOM CONNECTION	2.30"	
CONCRETE STRUCTURE	E	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		8.4 CFS IN
CONCRETE STRUCTURE	F	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		7.0 CFS OUT
UNDERDRAIN	G	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		



ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 12.50' OF ADSPLUS625 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

THERMOPLASTIC LINER (SEE TECH NOTE #6.50 PROVIDED BY OTHERS / DESIGN BY OTHERS)

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- **NOT FOR CONSTRUCTION**: THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

2 CHARLOTTE DR, WESLEY HILLS, NY, USA — DATE: 02/10/2025 — DRAWN: RB — CHECKED: N/A — PROJECT #:

StormTech® Chamber System — 4640 TRUEMAN BLVD, HILLIARD, OH 43026, 1-800-733-7473 — 1-800-821-6710 | WWW.STORMTECH.COM

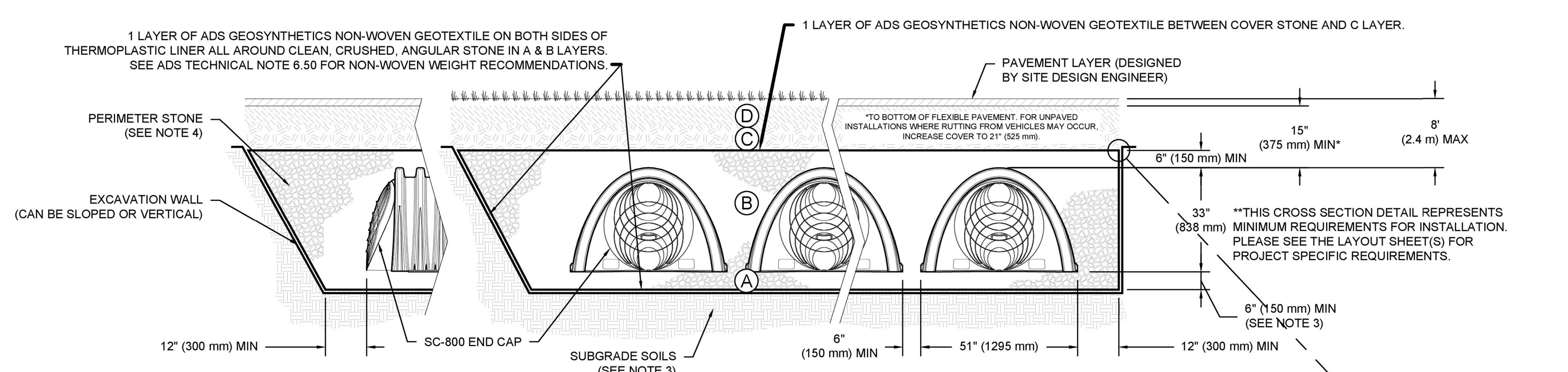
SHEET 2 OF 5

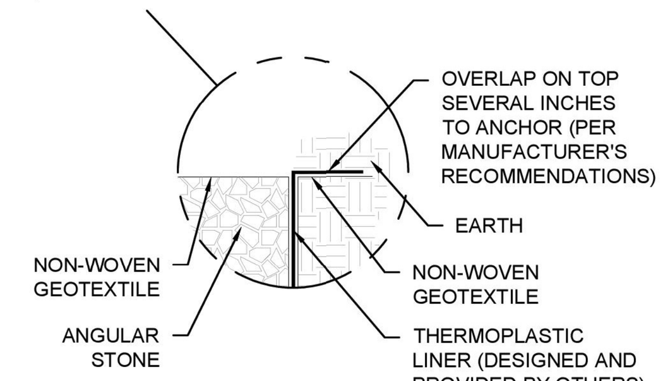
ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 15" (375 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".





THERMOPLASTIC LINER DETAIL

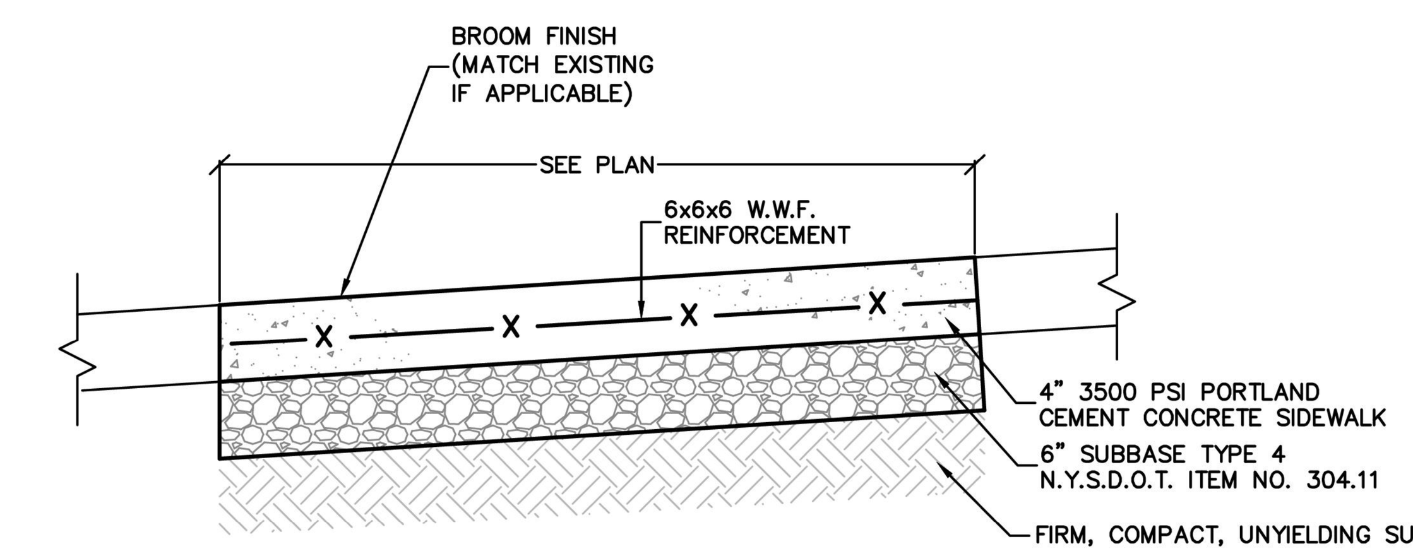
NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

2 CHARLOTTE DR, WESLEY HILLS, NY, USA — DATE: 02/10/2025 — DRAWN: RB — CHECKED: N/A — PROJECT #:

StormTech® Chamber System — 4640 TRUEMAN BLVD, HILLIARD, OH 43026, 1-800-733-7473 — 1-800-821-6710 | WWW.STORMTECH.COM

SHEET 3 OF 5



CONCRETE SIDEWALK NOTES

1. FULL DEPTH TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED EVERY 18–20 FEET.
2. CONCRETE SURFACE SHALL BE SCORED AND TOOLED EVERY 5 FEET.
3. ALL EDGES SHALL BE FINISHED WITH AN EDGING TOOL WITH A RADIUS OF 1/4 INCH.
4. A 3/4 INCH BITUMINOUS JOINT FILLER SHALL BE PLACED AT ALL JOINTS BETWEEN SIDEWALK, CURB, PAVEMENT, BUILDING, ETC.
5. THE CONCRETE SHALL BE FINISHED TO PRODUCE A SMOOTH FINISH AND THEN LIGHTLY BROOMED TO A UNIFORM TEXTURE.
6. A CLEAR MEMBRANE CURING COMPOUND SHALL BE USED UPON COMPLETION OF FINISHING.
7. ALL SIDEWALKS SHALL ADHERE TO ADA GUIDELINES.

CONCRETE SIDEWALK DETAIL

N.T.S.

VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, N.Y.
CONCRETE SIDEWALK DETAIL

DATE	ISSUE	DESCRIPTION
APRIL 29, 2025	REV 6	REV PER COMMENTS
MARCH 20, 2025	REV 5	REV EASEMENT
FEBRUARY 14, 2025	REV 4	REV FOR SIGNATURE
JANUARY 7, 2025	REV 3	REV FOR SIGNATURE
OCTOBER 25, 2024	REV 2	REV STORMWATER
SEPTEMBER 23, 2024	REV 1	REV PER COMMENTS

REVISIONS

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

DETAILS

FOR

2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD

VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

CIVIL TEC Engineering & Surveying PC

139 Lafayette Avenue, 2nd Fl.
Suffern, NY 10901
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111 Main Street
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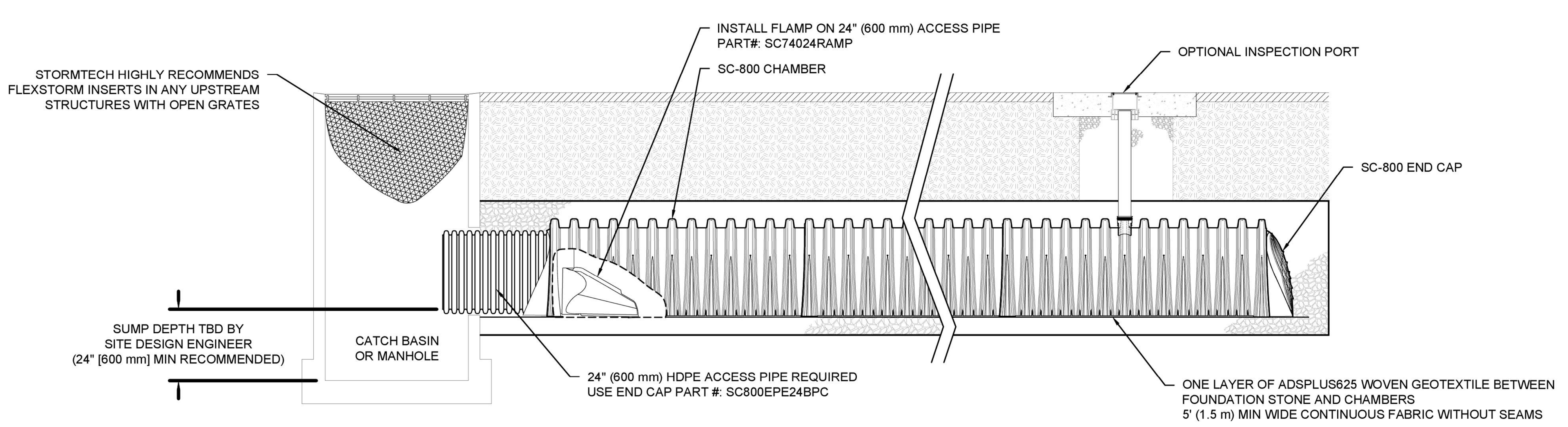
Rachel B. Barese, P.E.
N.Y. Lic. No. 90143

STATE OF NEW YORK · RACHEL BETH BARESE · 090143 · LICENSED PROFESSIONAL ENGINEER

DATE:	4/29/24
DRAWN BY:	RB/LT
CHKD BY:	RB/LT
JOB No.	4354
SCALE:	1"=40'
DWG No.	6 OF 7


STORMTECH HIGHLY RECOMMENDS FLEXSTORM INSERTS IN ANY UPSTREAM STRUCTURES WITH OPEN GRATES
INSTALL FLAMP ON 24" (600 mm) ACCESS PIPE PART#: SC74024RAMP
SC-800 CHAMBER
OPTIONAL INSPECTION PORT
SC-800 END CAP
SUMP DEPTH TBD BY SITE DESIGN ENGINEER (24" [600 mm] MIN RECOMMENDED)
CATCH BASIN OR MANHOLE
24" (600 mm) HDPE ACCESS PIPE REQUIRED USE END CAP PART #: SC800EPE24BPC
ONE LAYER OF ADSPLUS625 WOVEN GEOTEXTILE BETWEEN FOUNDATION STONE AND CHAMBERS 5' (1.5 m) MIN WIDE CONTINUOUS FABRIC WITHOUT SEAMS

SC-800 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

2 CHARLOTTE DR
WESLEY HILLS, NY, USA
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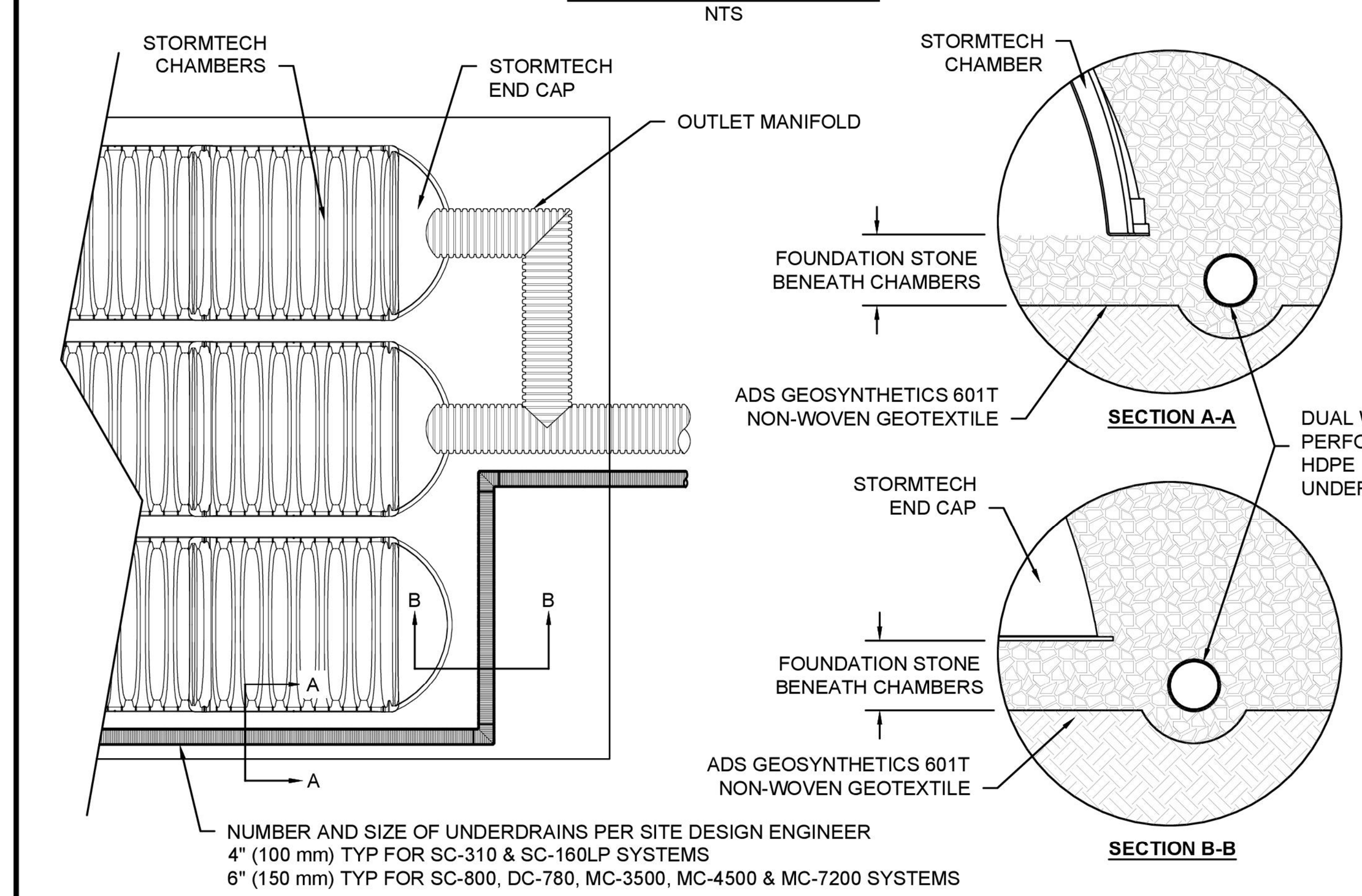
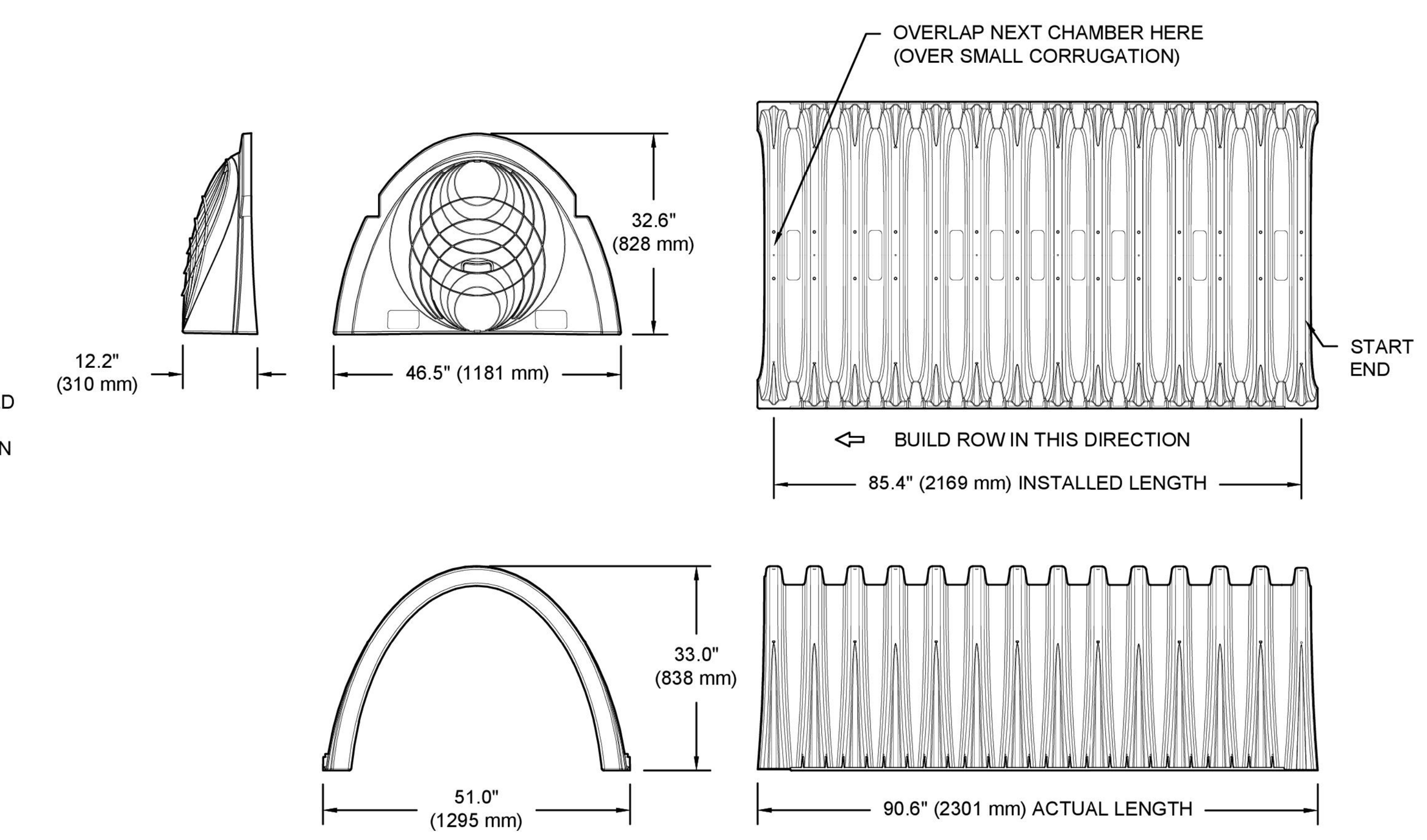
SHEET 4 OF 5

UNDERDRAIN DETAIL
NTS


STORMTECH CHAMBERS
STORMTECH END CAP
OUTLET MANIFOLD
STORMTECH CHAMBER
FOUNDATION STONE BENEATH CHAMBERS
ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE
SECTION A-A
DUAL WALL PERFORATED HDPE UNDERDRAIN
STORMTECH END CAP
FOUNDATION STONE BENEATH CHAMBERS
ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE
SECTION B-B
NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER
4" (100 mm) TYP FOR SC-310 & SC-160LP SYSTEMS
6" (150 mm) TYP FOR SC-800, DC-780, MC-3500, MC-4500 & MC-7200 SYSTEMS

SC-800 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.6 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	81.0 CUBIC FEET	(2.29 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

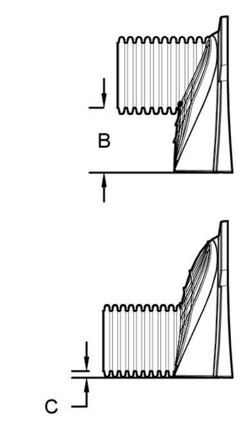
NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	46.5" X 32.6" X 10.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	15.4 CUBIC FEET	(0.43 m³)
WEIGHT	15.7 lbs.	(7.1 kg)

* ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS
**ASSUMES 6" (152 mm) STONE ABOVE AND BELOW END CAPS, 6" (152 mm) BETWEEN ROWS, 12" (305 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	---
SC800EPE06BPC		---	0.9" (23 mm)
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	---
SC800EPE08BPC		---	1.0" (25 mm)
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	---
SC800EPE10BPC		---	1.2" (30 mm)
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	---
SC800EPE12BPC		---	1.6" (41 mm)
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	---
SC800EPE15BPC		---	1.7" (43 mm)
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	---
SC800EPE18BPC		---	2.0" (51 mm)
SC800EPE24BPC	24" (600 mm)	---	2.3" (58 mm)
SC800EPE	NONE	SOLID END CAP	



NOTE: ALL DIMENSIONS ARE NOMINAL

2 CHARLOTTE DR
WESLEY HILLS, NY, USA
DATE: 02/10/2025 DRAWN: RB CHECKED: N/A
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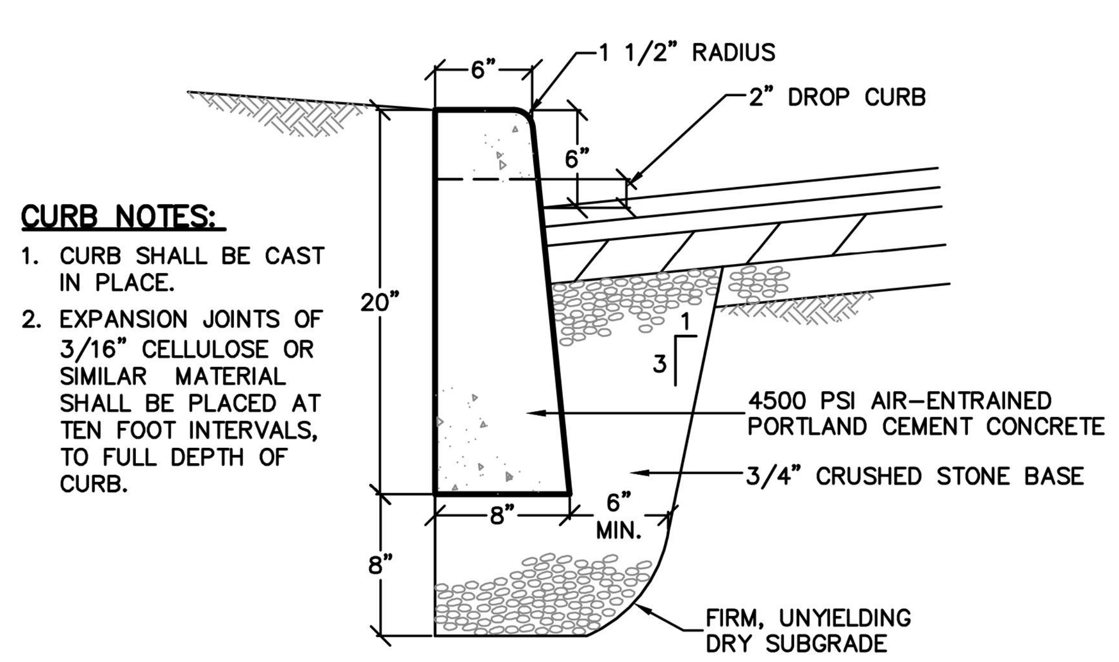
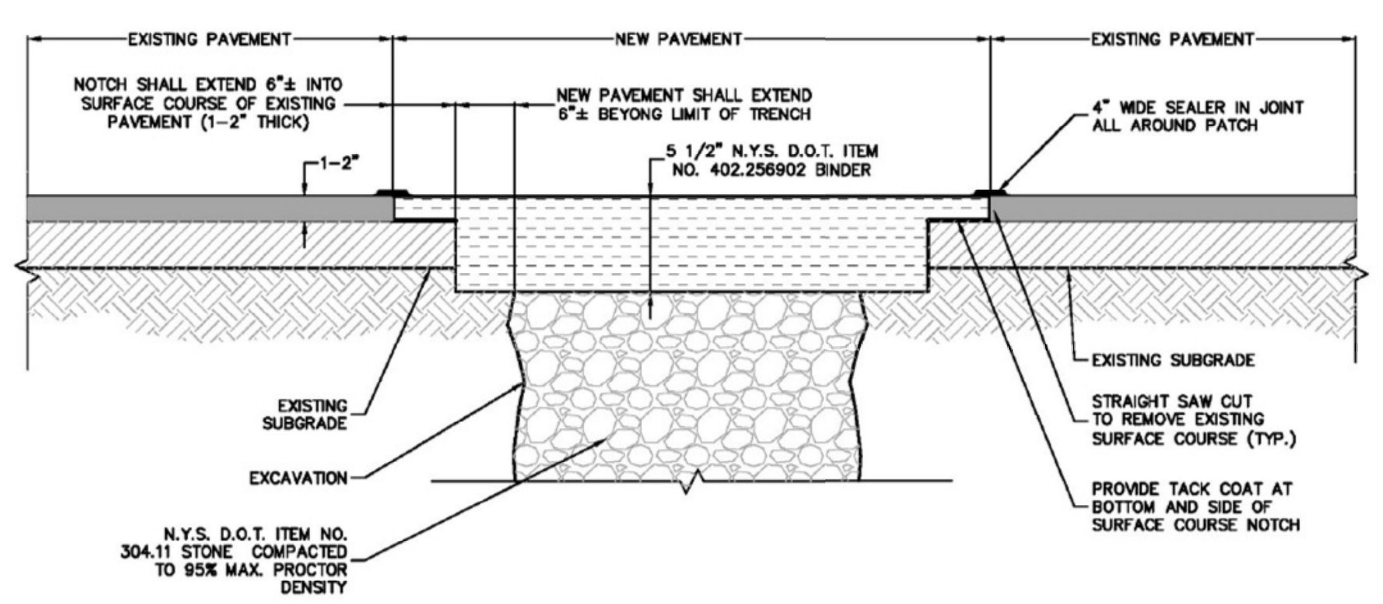
SHEET 5 OF 5



CURB NOTES:
1. CURB SHALL BE CAST IN PLACE.
2. EXPANSION JOINTS OF 3/16" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT TEN FOOT INTERVALS, TO FULL DEPTH OF CURB.

CONCRETE CURB DETAIL
N.T.S.

VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, N.Y.
CONCRETE CURB DETAIL


EXISTING PAVEMENT
NEW PAVEMENT
EXISTING PAVEMENT
NOTCH SHALL EXTEND 6"± INTO SURFACE COURSE OF EXISTING PAVEMENT (1-2" THICK)
NEW PAVEMENT SHALL EXTEND 6"± BEYOND LIMIT OF TRENCH
5 1/2" N.Y.S. D.O.T. ITEM NO. 402.256902 BINDER
4" WIDE SEALER IN JOINT ALL AROUND PATCH
1-2"
EXISTING SUBGRADE
STRAIGHT SAW CUT TO REMOVE EXISTING SURFACE COURSE (TYP.)
PROVIDE TACK COAT AT BOTTOM AND SIDE OF SURFACE COURSE NOTCH
EXISTING SUBGRADE
EXCAVATION
N.Y.S. D.O.T. ITEM NO. 304.11 STONE COMPACTED TO 95% MAX. PROCTOR DENSITY

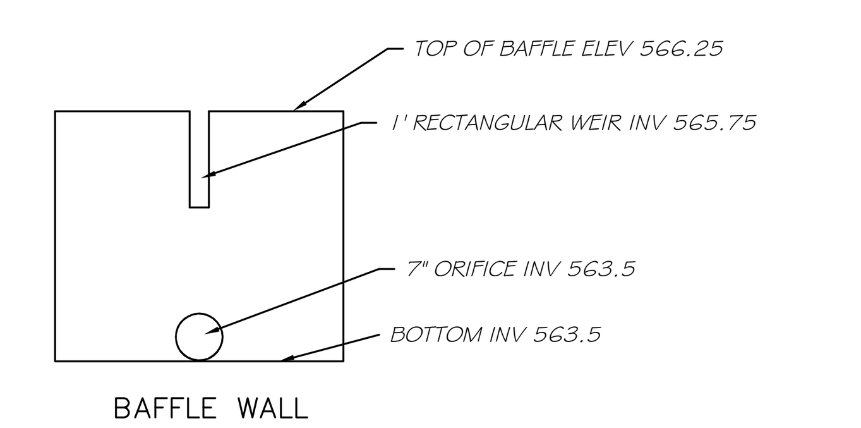
NOTES:

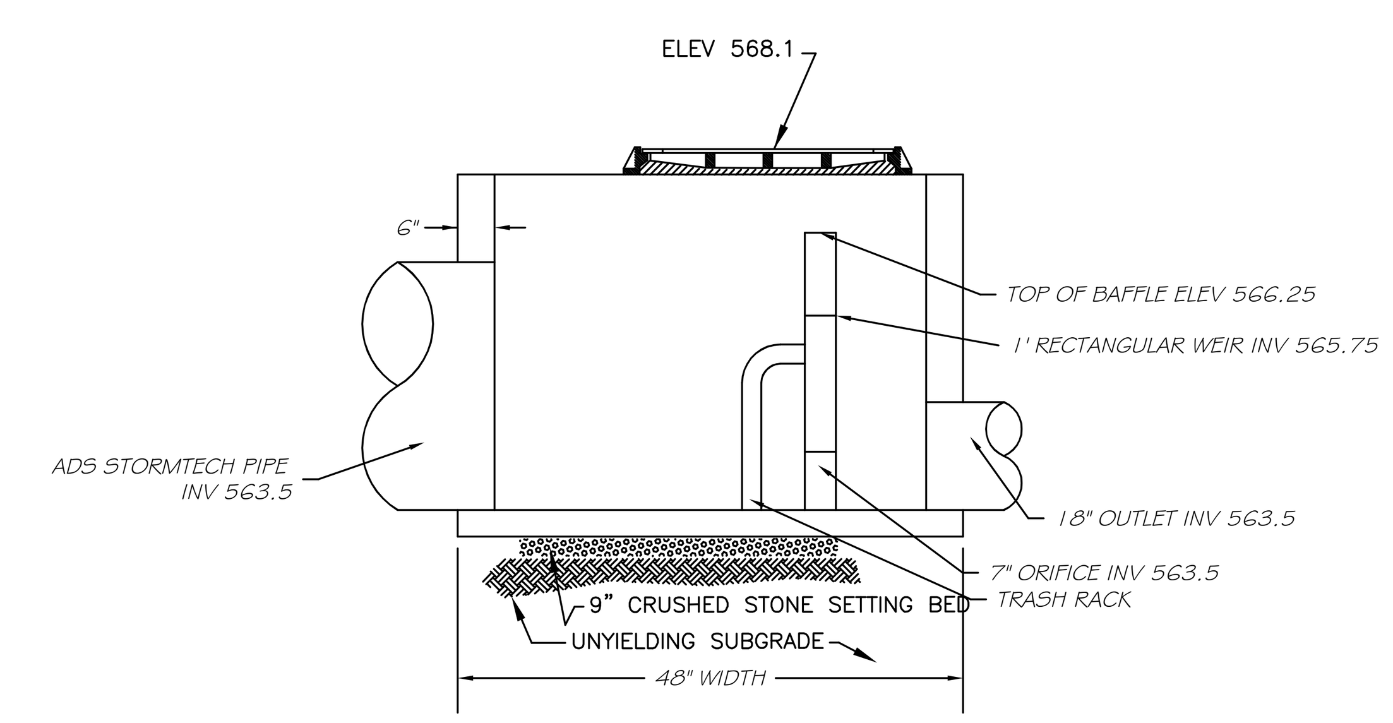
1. FOR OPENINGS THAT SPAN 30% OR MORE OF THE ROAD WIDTH, RESURFACE THE ENTIRE WIDTH OF THE ROAD AFTER REMOVING THE EXISTING SURFACE COURSE.
2. CONTRACTOR MUST PROVIDE CERTIFICATION THAT THE ROAD OPENING REPAIR WAS PERFORMED IN CONFORMANCE WITH THIS DETAIL. THIS MAY BE ACCOMPLISHED BE EITHER:
   a. PROVIDE CERTIFICATION FROM A N.Y.S. LICENSED PROFESSIONAL ENGINEER CERTIFYING THAT THE MATERIALS AND CONSTRUCTION OF THE ROAD OPENING REPAIR CONFORM TO THE VILLAGE DETAIL.
   OR
   b. COORDINATE WITH THE VILLAGE ENGINEERING CONSULTANT TO SCHEDULE THEIR WITNESSING OF THE CONSTRUCTION. (THE VILLAGE WILL IN TURN BACK CHARGE THE CONTRACTOR FOR THE COST OF THE ENGINEERING CONSULTANTS SERVICES.) THE ENGINEERING CONSULTANT WILL PROVIDE THE REQUIRED CERTIFICATION.

ROAD OPENING REPAIR DETAIL
N.T.S.

VILLAGE OF WESLEY HILLS
ROCKLAND COUNTY, N.Y.
ROAD OPENING REPAIR DETAIL

WESLEY HILLS CODE





DRAINAGE OUTLET STRUCTURE
N.T.S.

NOTES:
1. SUITABLE FOR H-20 LOADING
2. MATERIALS & CONSTRUCTION TO CONFORM TO LOCAL BUILDING DEPARTMENT.
3. ALL CONCRETE TO BE 4000 P.S.I.
4. FLAT GRATE CATCH BASIN FRAME & GRATE, CAMPBELL FOUNDRY PATTERN No. 3413 OR EQUAL AS APPROVED BY LOCAL BUILDING DEPARTMENT.
5. PRECAST STRUCTURE 72"x48" TO BE WOODARD'S PRECAST OR APPROVED EQUAL.
6. TRASH RACK TO BE LANE MODEL #139 OR SIMILAR.

DATE	ISSUE	DESCRIPTION	REVISIONS
APRIL 29, 2025	REV 2	REV PER COMMENTS	
MARCH 20, 2025	REV 1	REV EASEMENT	

S.B.L. 41.08 - 1 - 34, 44.1 & 44.2

DETAILS
FOR
2 CHARLOTTE DRIVE, 110 & 106 EAST WILLOW TREE ROAD
VILLAGE OF WESLEY HILLS - ROCKLAND COUNTY - NEW YORK

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Rachel B. Barese, P.E.
N.Y. Lic. No. 90143

STATE OF NEW YORK · RACHEL BETH BARESE · 090143 · LICENSED PROFESSIONAL ENGINEER

DATE:	2/14/25
DRAWN BY:	RB/LT
CHKD BY:	RB/LT
JOB No.	4354
SCALE:	1"=40'
DWG No.	7 OF 7