

# SITE PLANS PREPARED FOR

# DENTON ACRES

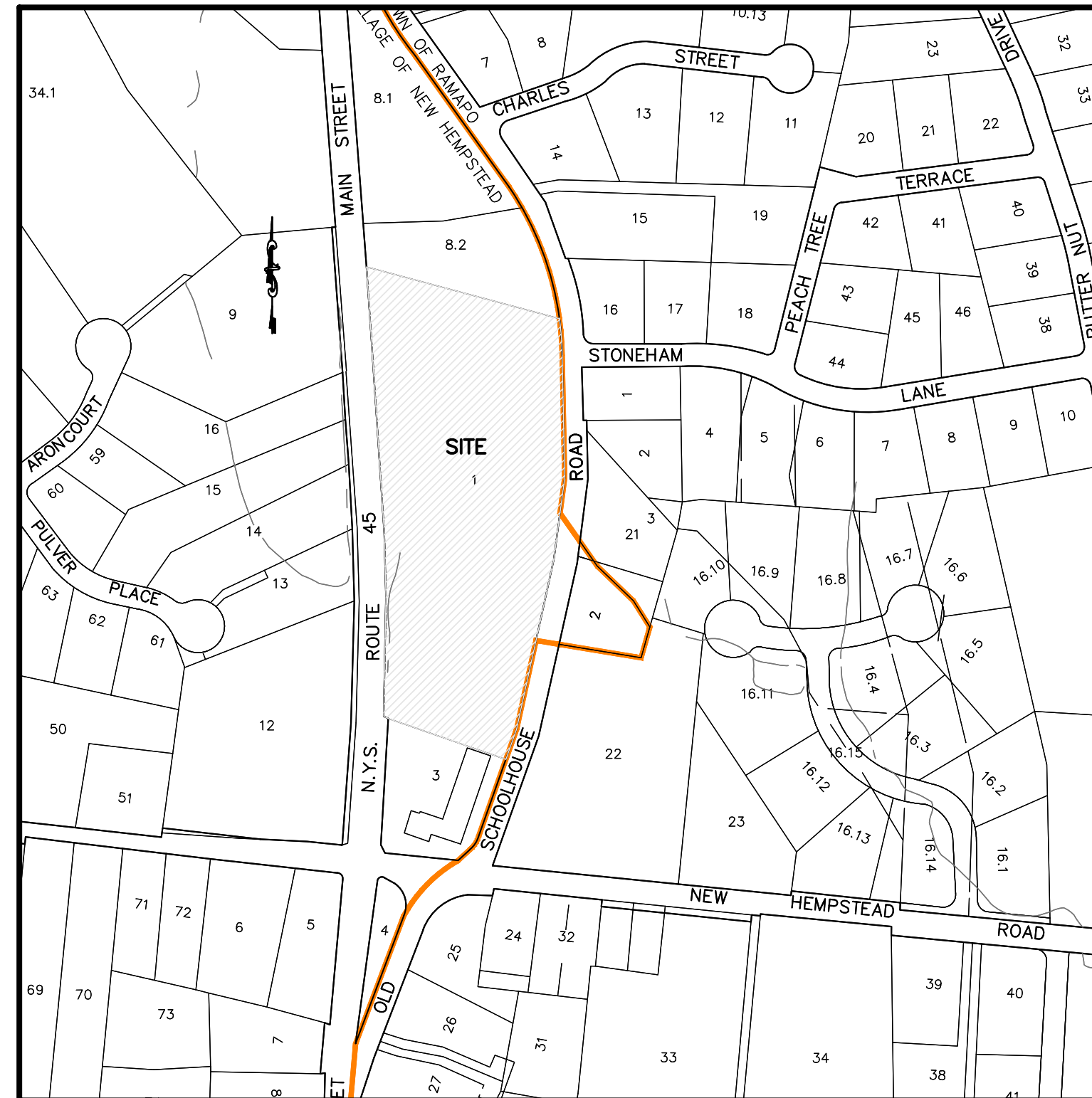
VILLAGE OF NEW HEMPSTEAD  
ROCKLAND COUNTY, NEW YORK

**OWNER/APPLICANT**  
 FAVISH LANGSAM  
 21 N. MADISON AVENUE  
 SPRING VALLEY, NY 10977  
 845-354-5600

**ENGINEER**  
 BROOKER ENGINEERING, PLLC  
 74 LAFAYETTE AVENUE, SUITE 501  
 SUFFERN, NY 10901  
 PHONE: (845) 357-4411

**SURVEYOR**  
 BROOKER ENGINEERING, PLLC  
 74 LAFAYETTE AVENUE, SUITE 501  
 SUFFERN, NY 10901  
 PHONE: (845) 357-4411

**ARCHITECT**  
 T.B.D.



**VICINITY MAP**  
 SCALE: 1" = 300'

**DRAWING LIST:**

	ORIGINAL DATE	REVISED DATE
1. TITLE SHEET	9/25/23	-
2. LAYOUT PLAN	9/25/23	-
3. LAYOUT PART PLAN	9/25/23	-
4. EXISTING CONDITIONS PLAN	9/25/23	-
5. GRADING, DRAINAGE, AND UTILITY PART PLAN	9/25/23	-
6. EROSION AND SEDIMENT CONTROL PLAN	9/25/23	-
7. LANDSCAPING PLAN	9/25/23	-
8. LIGHTING PLAN	9/25/23	-
9. CONSTRUCTION DETAILS (1 OF 3)	9/25/23	-
10. CONSTRUCTION DETAILS (2 OF 3)	9/25/23	-
11. CONSTRUCTION DETAILS (3 OF 3)	9/25/23	-

**NOTES:**

- THIS IS A SITE PLAN FOR SECTION 42.15, BLOCK 1, LOT 1, AS SHOWN ON THE VILLAGE OF NEW HEMPSTEAD TAX MAPS.
- AREA OF TRACT:.....8.48 ACRES (369,305 SF)
- ZONE.....NCD
- RECORD OWNER:.....FAVISH LANGSAM  
21 NORTH MADISON AVE.  
SPRING VALLEY, NY 10977
- APPLICANT:.....FAVISH LANGSAM  
21 NORTH MADISON AVE.  
SPRING VALLEY, NY 10977
- FIRE DISTRICT:.....MOLESTON
- SCHOOL DISTRICT:.....EAST RAMAPO CENTRAL
- WATER SERVICE:.....VEOLIA
- SEWER DISTRICT:.....RCSO# 1
- BOUNDARY SURVEY AND TOPOGRAPHY BASED ON SURVEY BY BROOKER ENGINEERING AND SURVEYING, DATED APRIL 04, 2006.
- ALL NEW UTILITIES SHALL BE UNDERGROUND. ELECTRIC SERVICE SHALL BE IN A CONDUIT OF NOT LESS THAN 2" DIAMETER.
- THERE ARE NO COVENANTS, DEED RESTRICTIONS, EASEMENTS OR OTHER RESERVATIONS OF LAND RELATIVE TO THIS SITE, EXCEPT AS SHOWN ON THESE PLANS.
- SIX (6") INCHES OF TOPSOIL SHALL BE PROVIDED PRIOR TO SEEDING.
- NO BURNING OR BURYING OF TREES, STUMPS, PAVEMENT, DEBRIS OR ANY MATERIALS IS PERMITTED ON THE SITE.
- NO BUILDING PERMITS ARE TO BE ISSUED UNTIL A SEWER PERMIT IS OBTAINED.
- ALL SEWER FEES TO BE PAID TO THE TOWN OF RAMAPO.
- ALL STRUCTURES SHALL BE SERVED BY GRAVITY SEWER CONNECTIONS WITH A MINIMUM SLOPE OF 2%.
- SEWER AND WATER SERVICE LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM SEPARATION OF 10 FEET.
- NO BUILDING PERMITS ARE TO BE ISSUED UNTIL A SEWER PERMIT IS OBTAINED.
- IF THE LOWEST FLOOR ELEVATION PROPOSED IS BELOW THE UPSTREAM RIM ELEVATION, AN INTERIOR CHECK VALVE SHALL BE INSTALLED PER RAMAPO DEPARTMENT OF PUBLIC WORKS.
- ALL CONSTRUCTION SHALL MEET CURRENT VILLAGE OF NEW HEMPSTEAD SPECIFICATIONS. THIS PLAN IS SUBJECT TO COMPLIANCE WITH ALL LAWS, REGULATIONS AND SPECIFICATIONS OF THE VILLAGE OF NEW HEMPSTEAD, AND WITH ALL DETAILS AND SPECIFICATIONS INDICATED ON THE APPROVED CONSTRUCTION PLANS AND SITE GRADING PLANS, AS A MINIMUM, ON FILE WITH THE VILLAGE OF NEW HEMPSTEAD.

REV	DESCRIPTION	BY	DATE

**DISCLAIMER:**  
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PROJECT: **DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK

TITLE: **TITLE SHEET**

<p><b>BRIAN A. BROOKER</b>              PROFESSIONAL ENGINEER              N.Y.S. Lic. No. 60229</p>	PROJECT NO: <b>55257</b>	DRAWN: DS	CHECKED: MT
	SCALE: GRAPHIC SCALE:	DATE: 09/25/2023	DRAWING NO: <b>1</b>



WETLAND AREA	
PROPOSED DISTURBANCE WITHIN 100' BUFFER	36,100 SQ. FT.
PROPOSED NEW WETLANDS	25,130 SQ. FT.
NET AREA	-10,970 SQ. FT.

NET LOT AREA CALCULATION	
GROSS LOT AREA	369,305 SQ. FT.
WETLAND AREA	262,816 SQ. FT.
WETLAND AREA REDUCTION (262,816 X 0.25)	65,704 SQ. FT.
NET LOT AREA (369,305-262,816) + 65,704	172,193 SQ. FT. = 3.95 ACRES

**TABLE OF BULK DIMENSIONS**

	NET LOT AREA ACRES	LOT FRONTAGE FT.	LOT WIDTH FT.	MINIMUM YARD (FT)			FLOOR AREA RATIO	IMPERVIOUS SURFACE RATIO	BUILDING HEIGHT, FT./STORY	PARKING SPACES	
				FRONT	SIDE (ONE)	SIDE (BOTH)					REAR
REQUIRED	2	150	150	75	50	100	50	0.30	0.75	35/2	54
PROPOSED	3.95*	992.24	988.5	76	**20	> 150	NA	0.08	< 0.75	29/2	54

\* ONLY 25% OF LAND UNDER WATER OR WITHIN LAND DEFINED AS WETLAND BY THE WETLANDS LAW OF THE VILLAGE OF NEW HEMPSTEAD SHALL BE COUNTED TOWARDS MINIMUM LOT AREA.  
 \*\* VARIANCE REQUIRED

**PARKING CALCULATIONS**

USE	REQUIREMENT	SPACES REQUIRED
BUSINESS OR PROFESSIONAL OFFICES	1 SPACE PER 250 SF OF FLOOR AREA	(13,500 SF/250 SF) = 54
TOTAL REQUIRED:		54 SPACES
TOTAL PROVIDED:		54 SPACES
ADA SPACES REQUIRED:		3 SPACES

NOTE: PARKING REQUIREMENT AS PER SECTION 290-62-B(1) OF ZONING CODE

**NET LOT AREA CALCULATION**

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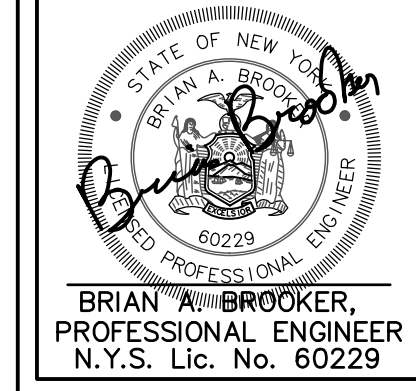
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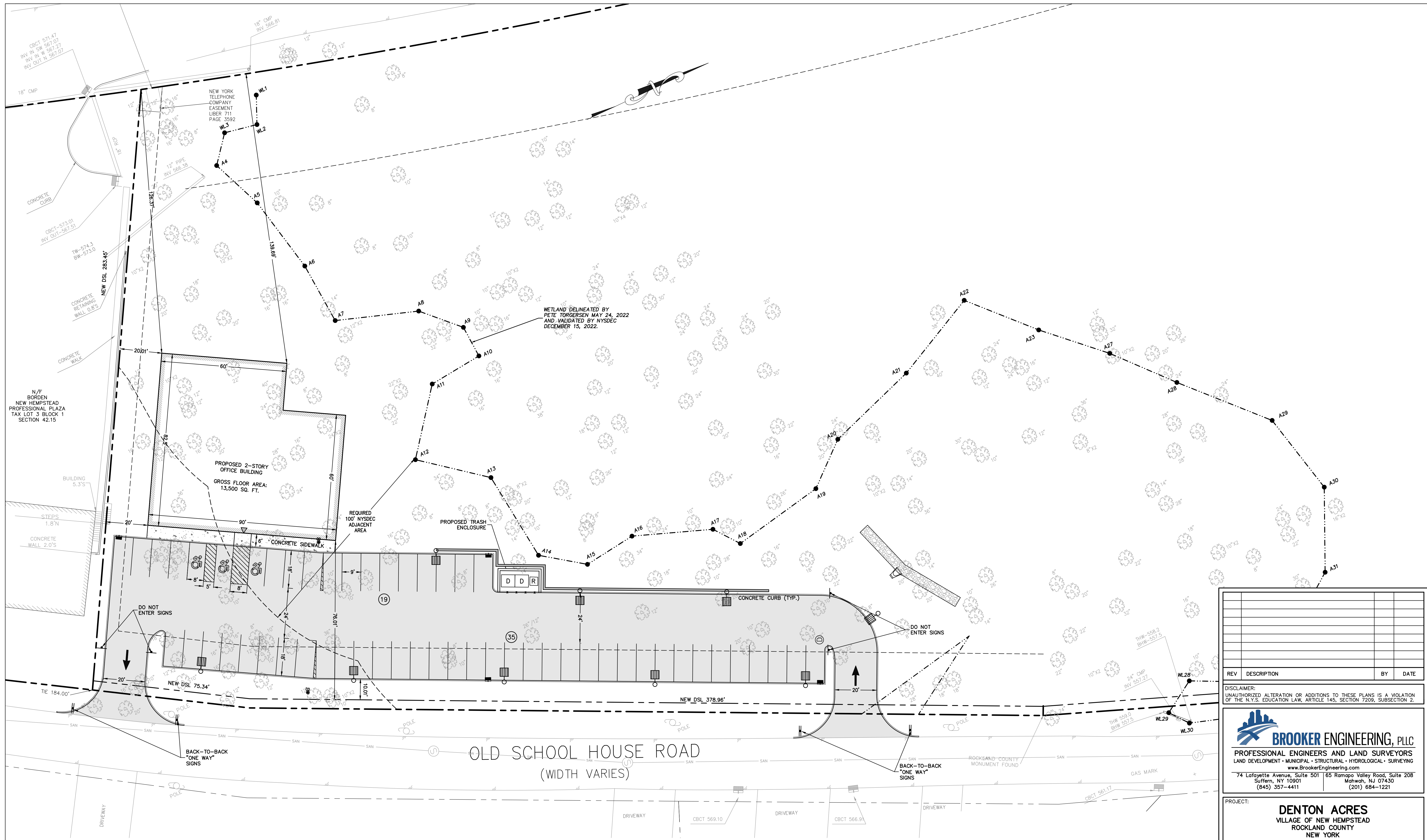
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PROJECT: **DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK  
 TITLE: **LAYOUT PLAN**

PROJECT NO: 55257 | DRAWN: DS | CHECKED: MT  
 SCALE: 1" = 50'  
 GRAPHIC SCALE: 0 50' 100'  
 DATE: 09/25/2023 | DRAWING NO: **2**





REV	DESCRIPTION	BY	DATE

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PROJECT: **DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK

TITLE: **LAYOUT PART PLAN**

PROJECT NO: 55257 DRAWN: DS CHECKED: MT  
 SCALE: 1" = 20'  
 GRAPHIC SCALE: 0 20' 40'  
 DATE: 09/25/2023 DRAWING NO: 3

**TABLE OF BULK DIMENSIONS**  
 ZONE: NCD

REQUIRED	PROPOSED	NET LOT AREA ACRES	LOT FRONTAGE FT.	LOT WIDTH FT.	MINIMUM YARD (FT)				FLOOR AREA RATIO	IMPERVIOUS SURFACE RATIO	BUILDING HEIGHT, FT./STORY	PARKING SPACES
					FRONT	SIDE (ONE)	SIDE (BOTH)	REAR				
		2	150	150	75	50	100	50	0.30	0.75	35/2	54
		3.95*	992.24	988.5	76	**20	> 150	NA	0.08	< 0.75	29/2	54

\* ONLY 25% OF LAND UNDER WATER OR WITHIN LAND DEFINED AS WETLAND BY THE WETLANDS LAW OF THE VILLAGE OF NEW HEMPSTEAD SHALL BE COUNTED TOWARDS MINIMUM LOT AREA.  
 \*\* VARIANCE REQUIRED

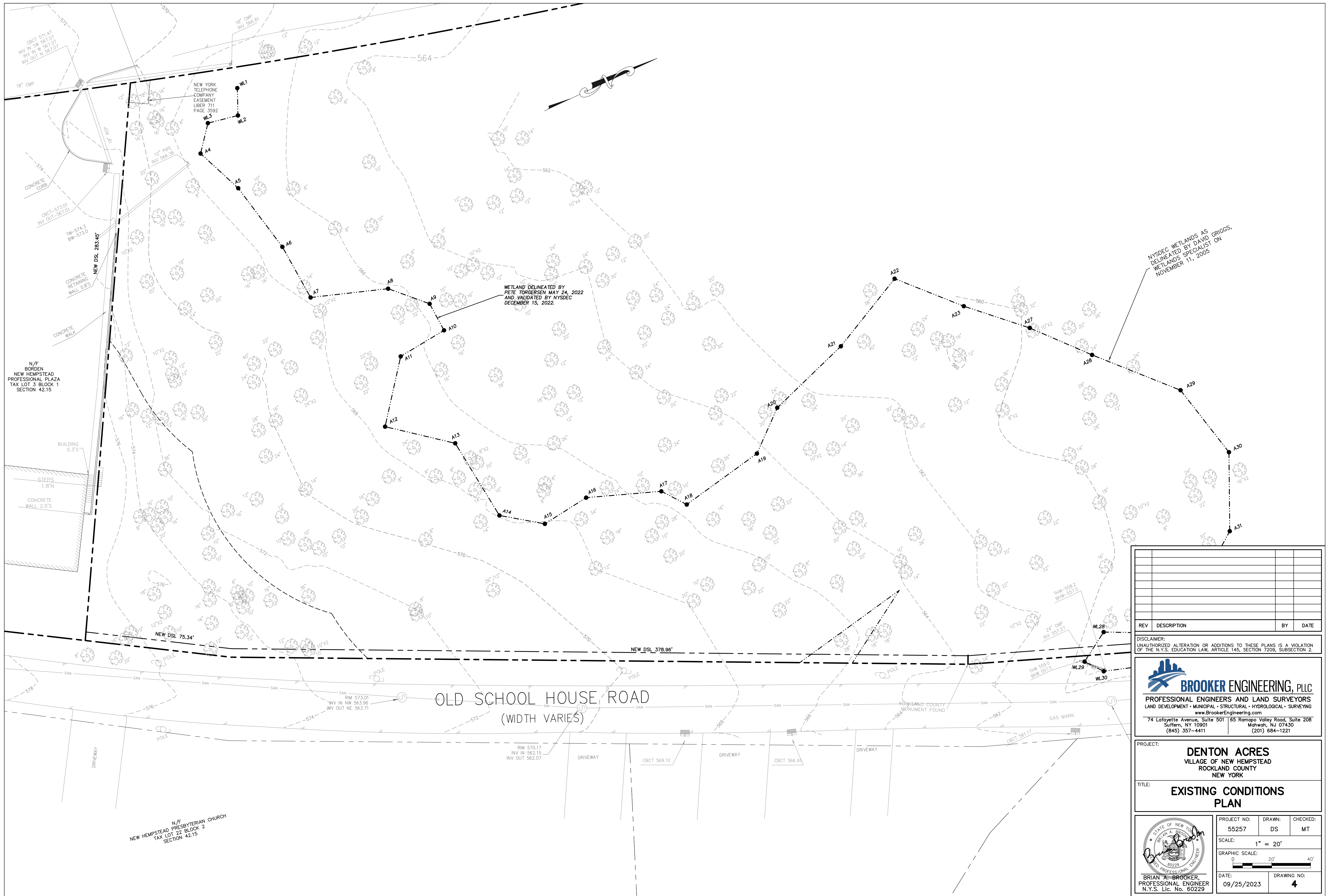
**PARKING CALCULATIONS**

USE	REQUIREMENT	SPACES REQUIRED
BUSINESS OR PROFESSIONAL OFFICES	1 SPACE PER 250 SF OF FLOOR AREA	(13,500 SF/250 SF) = 54
<b>TOTAL REQUIRED:</b>		<b>54 SPACES</b>
<b>TOTAL PROVIDED:</b>		<b>54 SPACES</b>
<b>ADA SPACES REQUIRED:</b>		<b>3 SPACES</b>

NOTE: PARKING REQUIREMENT AS PER SECTION 290-62-B(1) OF ZONING CODE

**NET LOT AREA CALCULATION**

GROSS LOT AREA	369,305 SQ. FT.
WETLAND AREA	262,816 SQ. FT.
WETLAND AREA REDUCTION (262,816 X 0.25)	65,704 SQ. FT.
<b>NET LOT AREA (369,305-262,816) + 65,704</b>	<b>172,193 SQ. FT. = 3.95 ACRES</b>



NYSDEC WETLANDS AS  
 DELINEATED BY DAVID GRIGGS,  
 WETLANDS SPECIALIST ON  
 NOVEMBER 11, 2005

WETLAND DELINEATED BY  
 PETE TORGERSEN MAY 24, 2022  
 AND VALIDATED BY NYSDEC  
 DECEMBER 15, 2022.

REV	DESCRIPTION	BY	DATE

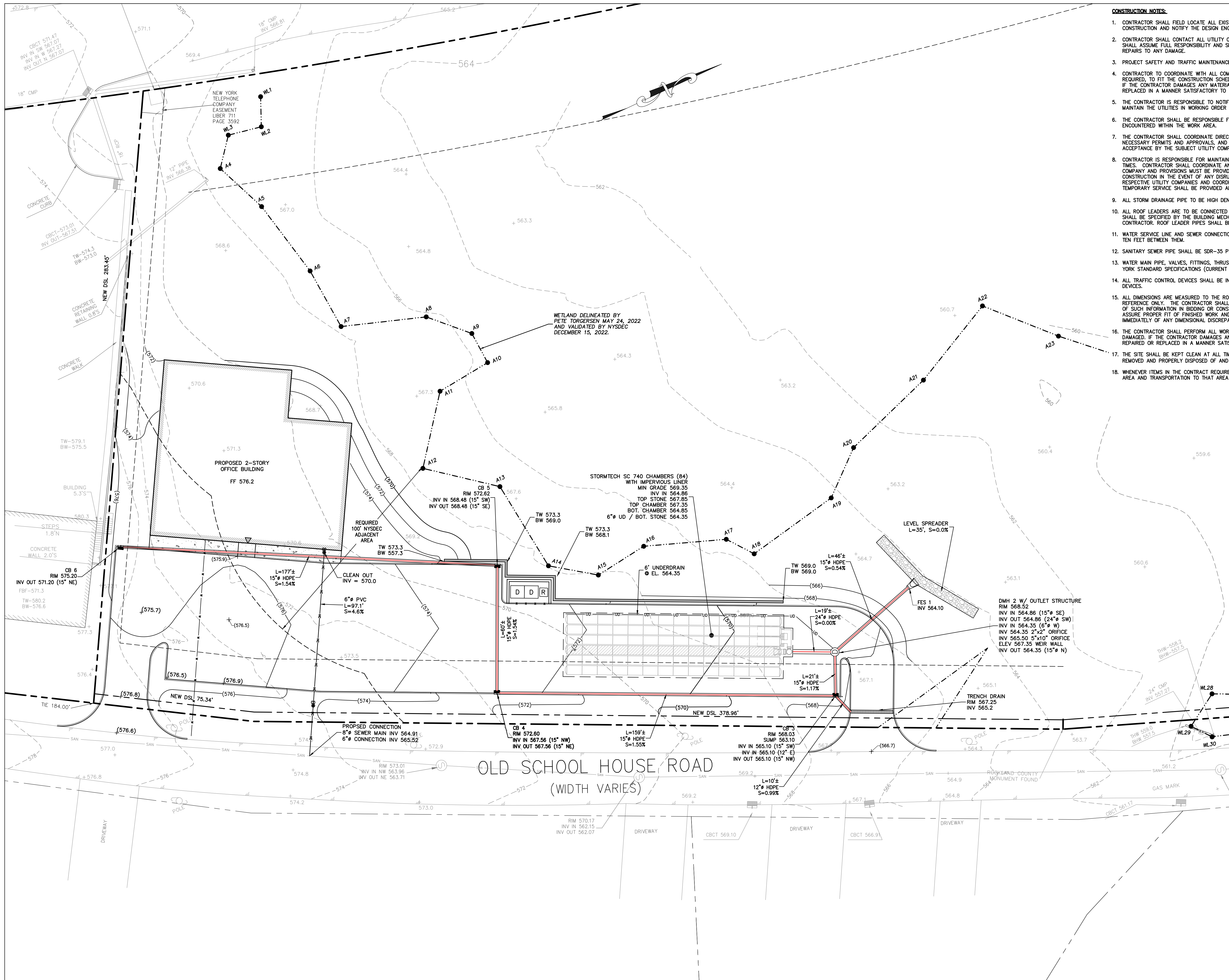
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PROJECT:  
**DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK

TITLE:  
**EXISTING CONDITIONS  
 PLAN**


	PROJECT NO:	55257	DRAWN:	DS	CHECKED:	MT
	SCALE:	1" = 20'				
	GRAPHIC SCALE:					
DATE:		09/25/2023		DRAWING NO:		4



- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND VERIFY ALL LOCATIONS, ELEVATIONS, INVERTS, ETC. PRIOR TO ANY CONSTRUCTION AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES ON THIS PLAN.
  - CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE ALL UTILITIES FIELD LOCATED BY RESPECTIVE UTILITY COMPANY AND SHALL ASSUME FULL RESPONSIBILITY AND SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE AND REPAIRS TO ANY DAMAGE.
  - PROJECT SAFETY AND TRAFFIC MAINTENANCE ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - CONTRACTOR TO COORDINATE WITH ALL COMPANIES TO ASSURE ADEQUATE SUPPLY AND SCHEDULING OF NEW SERVICE, WHERE REQUIRED, TO FIT THE CONSTRUCTION SCHEDULING AND SEQUENCE TO ASSURE NO DAMAGE OR DISTURBANCE TO EXISTING SERVICES. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
  - THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE OWNER AND ENGINEER OF ANY UNANTICIPATED UTILITIES ENCOUNTERED AND MAINTAIN THE UTILITIES IN WORKING ORDER UNTIL THEIR DISPOSITION IS RESOLVED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION, PROTECTION AND/OR TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED WITHIN THE WORK AREA.
  - THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH EACH AFFECTED UTILITY COMPANY, SHALL APPLY FOR AND OBTAIN THE NECESSARY PERMITS AND APPROVALS, AND SHALL INITIATE AND COORDINATE ALL INSPECTIONS NECESSARY FOR FINAL APPROVAL AND ACCEPTANCE BY THE SUBJECT UTILITY COMPANY.
  - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE OF ALL EXISTING UTILITIES WITHIN THE WORK AREA AT ALL TIMES. CONTRACTOR SHALL COORDINATE ANY REPAIR, RELOCATION OR REMOVAL OF EXISTING UTILITIES WITH EACH RESPECTIVE UTILITY COMPANY AND PROVISIONS MUST BE PROVIDED FOR TEMPORARY SERVICE OF ANY RESPECTIVE UTILITY SERVICE AFFECTED BY THE CONSTRUCTION IN THE EVENT OF ANY DISRUPTION TO THE EXISTING UTILITY. SHUT-DOWNS SHALL BE AT THE DISCRETION OF THE RESPECTIVE UTILITY COMPANIES AND COORDINATED WITH THE MUNICIPALITY AND THE ENGINEER FOR PUBLIC NOTICE IF NECESSARY. TEMPORARY SERVICE SHALL BE PROVIDED AND MAINTAINED AT NO ADDITIONAL COST.
  - ALL STORM DRAINAGE PIPE TO BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) WITH SMOOTH INTERIOR UNLESS OTHERWISE SPECIFIED.
  - ALL ROOF LEADERS ARE TO BE CONNECTED TO THE ON-SITE STORMWATER SYSTEM. ROOF DOWNSPOUTS AND RECEIVING LEADER SIZES SHALL BE SPECIFIED BY THE BUILDING MECHANICAL ENGINEER. FINAL LOCATIONS OF ROOF LEADERS ARE TO BE FINALIZED BY CONTRACTOR. ROOF LEADER PIPES SHALL BE SDR-35 PVC.
  - WATER SERVICE LINE AND SEWER CONNECTION SHALL BE PLACED IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL DISTANCE OF TEN FEET BETWEEN THEM.
  - SANITARY SEWER PIPE SHALL BE SDR-35 PVC.
  - WATER MAIN PIPE, VALVES, FITTINGS, THRUST RESTRAINT, TAPPING SLEEVES, HYDRANTS, ETC SHALL CONFORM WITH SUEZ WATER NEW YORK STANDARD SPECIFICATIONS (CURRENT EDITION).
  - ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  - ALL DIMENSIONS ARE MEASURED TO THE ROUGH UNLESS OTHERWISE NOTED. ELEVATIONS AND DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS IN THE FIELD PRIOR TO THE USE OF SUCH INFORMATION IN BIDDING OR CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DIMENSIONAL DISCREPANCIES.
  - THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
  - THE SITE SHALL BE KEPT CLEAN AT ALL TIMES. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND PROPERLY DISPOSED OF AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
  - WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.


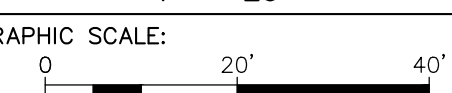
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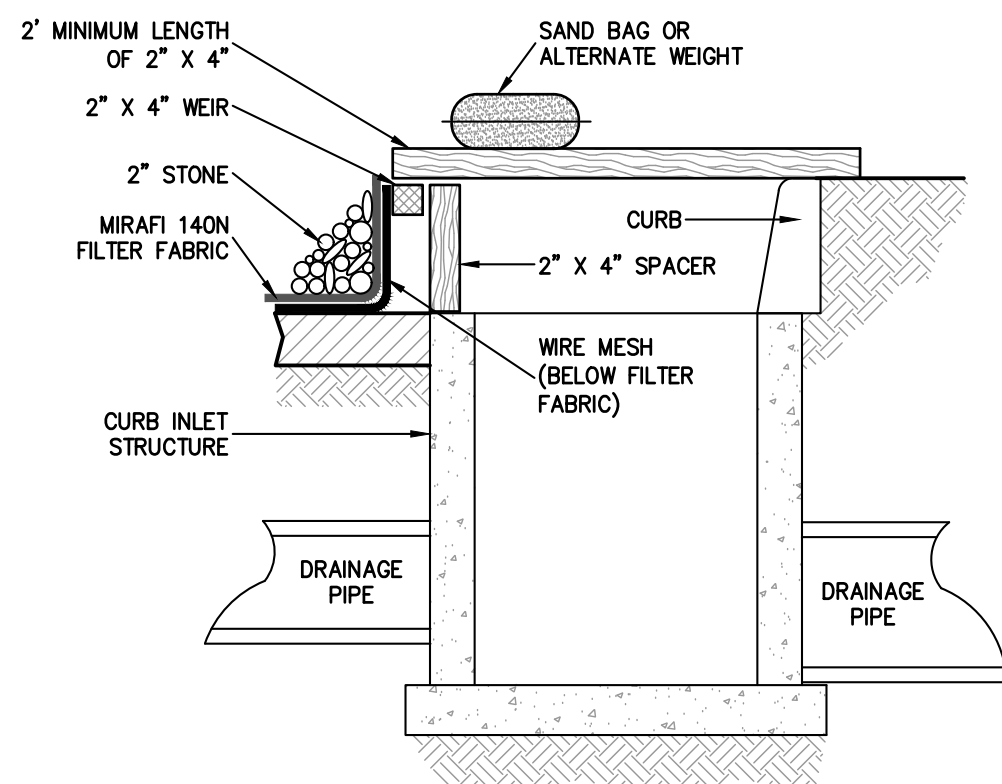
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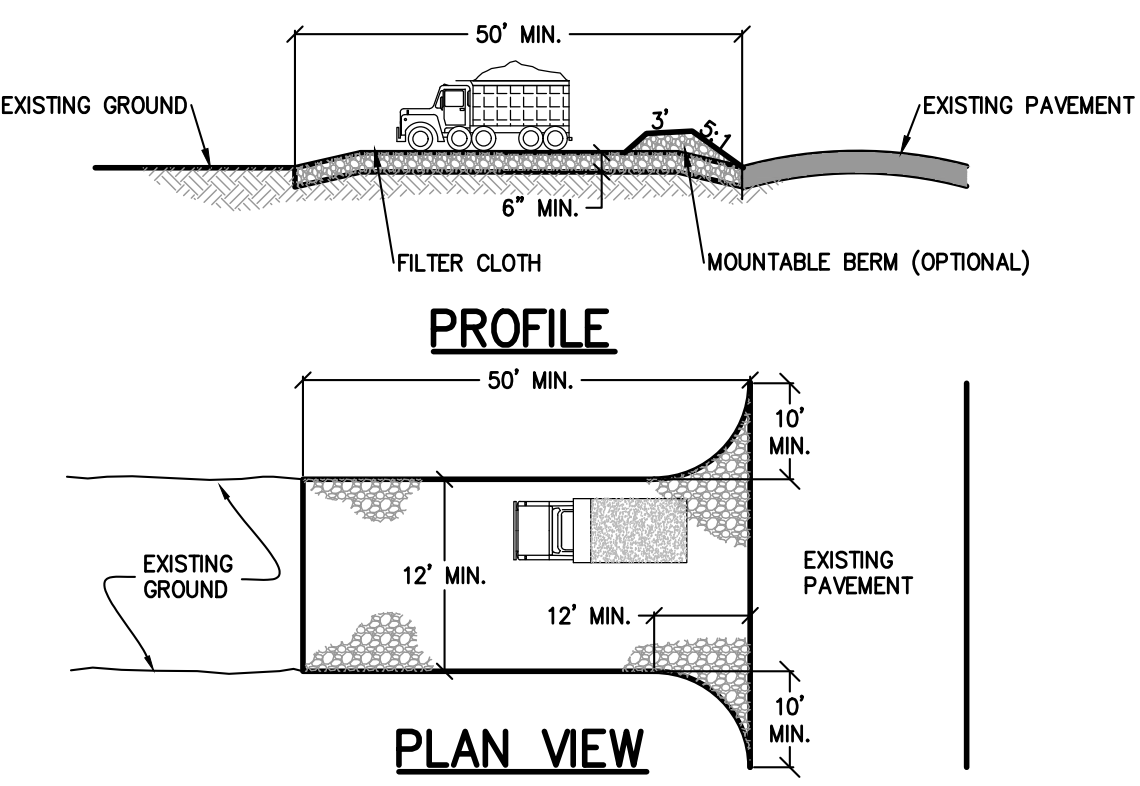
TITLE: **GRADING, DRAINAGE, AND UTILITY PART PLAN**

 <b>BRIAN A. BROOKER</b> PROFESSIONAL ENGINEER N.Y.S. Lic. No. 60229	PROJECT NO: 55257	DRAWN: DS	CHECKED: MT
	SCALE: 1" = 20'		
	DATE: 09/25/2023	DRAWING NO: 5	



- NOTES:**
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
  2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
  3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
  4. THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
  5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SAND BAGS OR ALTERNATE WEIGHTS.

**CURB INLET PROTECTION DETAIL**  
N.T.S.

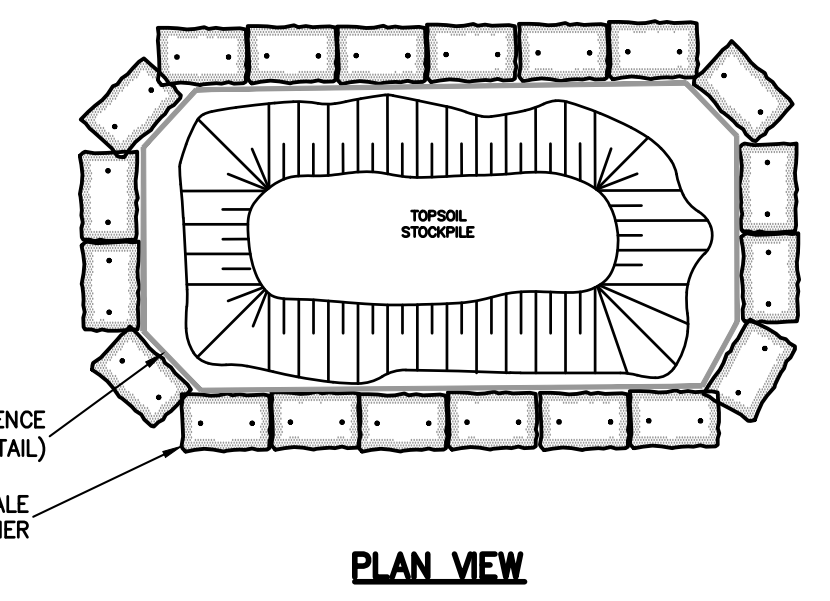
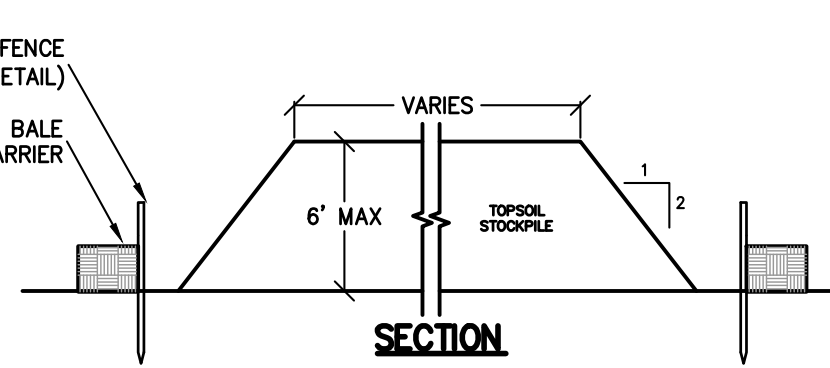
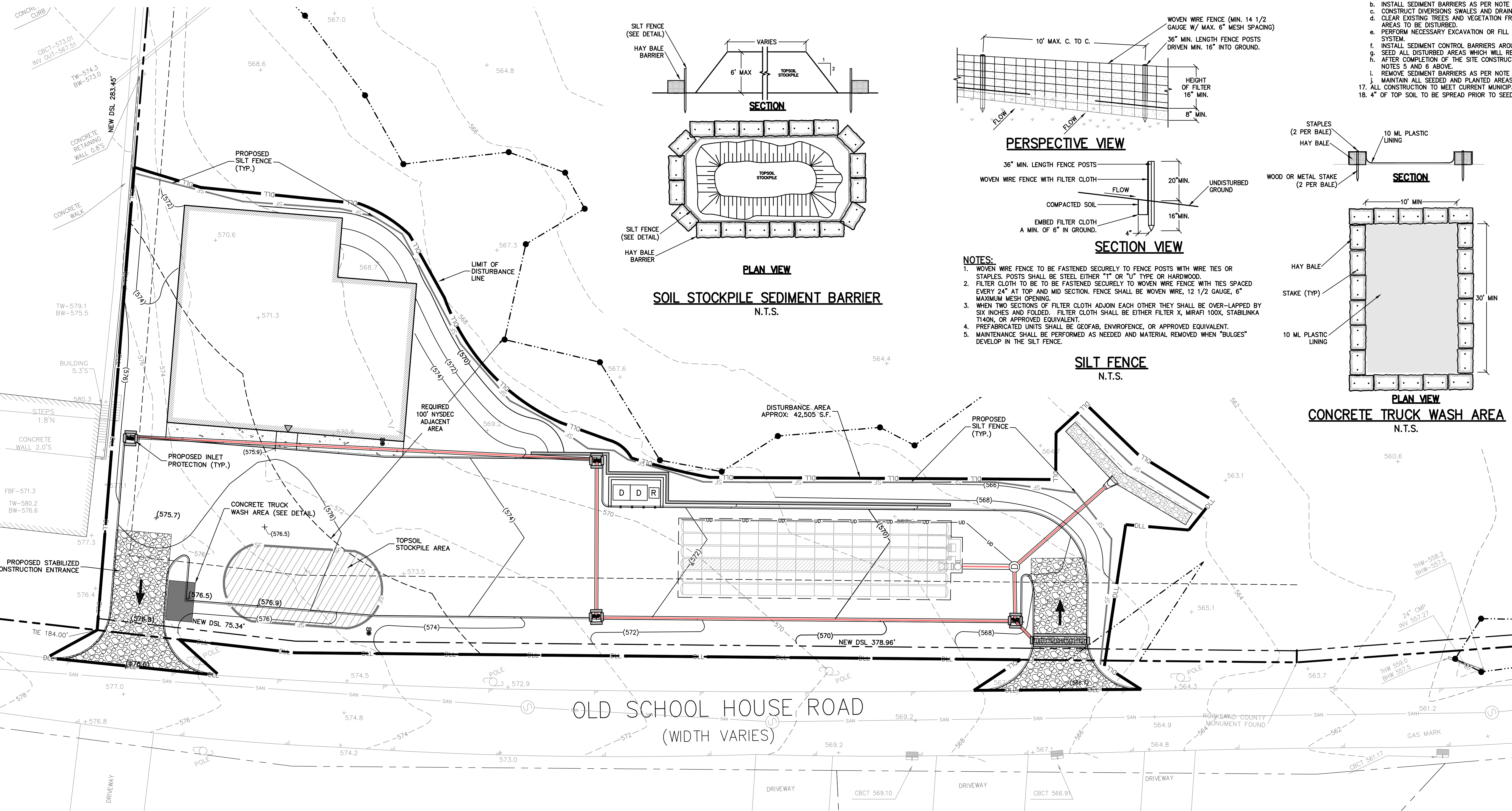


- NOTES:**
1. STONE SIZE - USE 1 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  2. LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
  4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS. TWENTY (20) FEET (24) FOOT IF SINGLE ENTRANCE SITE.
  5. GEOTEXTILE - 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 BENEATH 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 SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED 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 DEVICE.
  9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

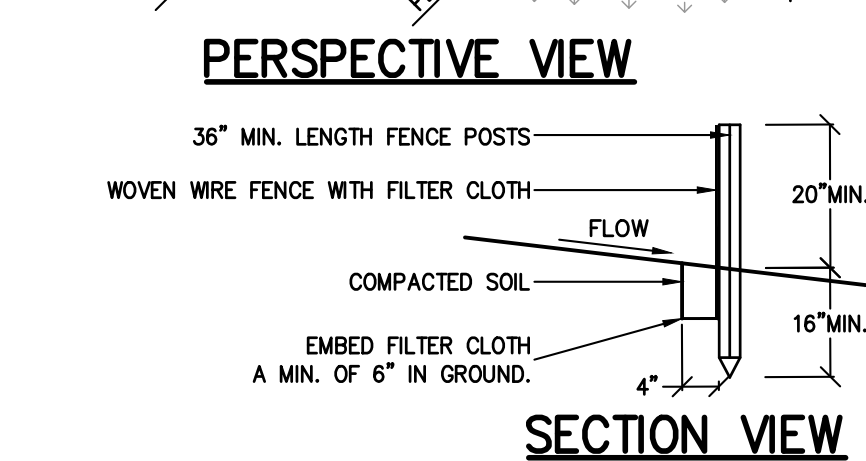
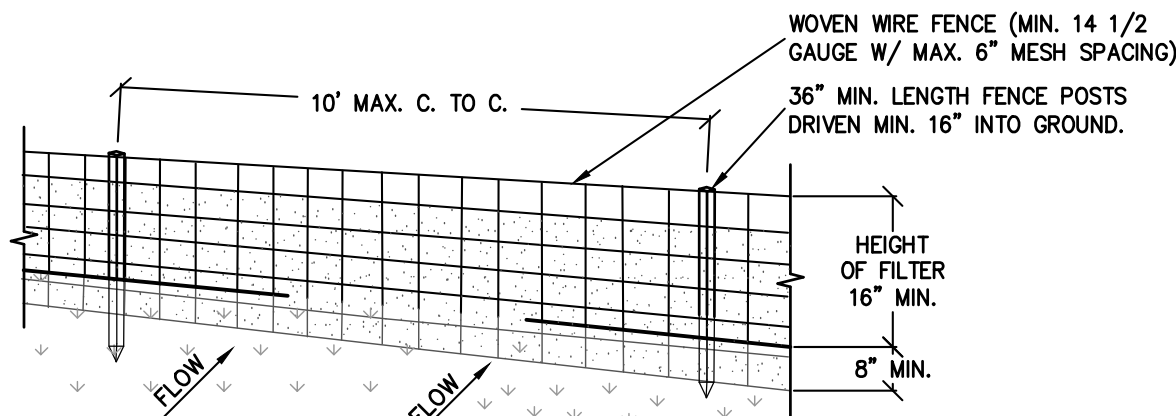
**STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
N.T.S.

- CONSTRUCTION SEQUENCE:**
1. NOTIFY ALL INVOLVED AGENCIES OF PROPOSED CONSTRUCTION SCHEDULE.
  2. CONSTRUCT SNOW FENCING AROUND TREES, STRUCTURES, OR OTHER FEATURES IDENTIFIED BY THE OWNER TO BE PROTECTED DURING CONSTRUCTION.
  3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES.
  4. INSTALL SILT FENCE BARRIERS AT THE BASE OF ALL PROPOSED SLOPES AS DESIGNATED ON THIS PLAN.
  5. CONSTRUCT TEMPORARY SEDIMENT TRAPS AT THE LOCATIONS OF CONCENTRATED STORM WATER RUNOFF, INCLUDING SWALES AND BERMS AS NEEDED TO DIRECT STORM WATER RUNOFF TO THE TRAPS.
  6. PRIOR TO THE START OF GRADING OPERATIONS, THE CONTRACTOR SHALL DEMONSTRATE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, THAT THE AREAS DESIGNATED TO REMAIN PROTECTED OR UNDISTURBED ARE PROTECTED BY THE UNINTERRUPTED SYSTEM OF SILT FENCE BARRIERS, BASINS, BERMS, AND/OR SWALES.
  7. CLEAR AND GRUB VEGETATION IN AREAS TO BE GRADED.
  8. STRIP TOPSOIL AND STOCKPILE IN APPROVED LOCATIONS, AS DESIGNATED ON THE PLAN.
  9. STABILIZE TOPSOIL STOCKPILE AREAS AND INSTALL SILT FENCE.
  10. INSTALL TEMPORARY DIVERSION MEASURES. DURING CONSTRUCTION, HAY BALE INLET PROTECTION SHALL BE PROVIDED AT ALL INLETS, BUT SHALL BE REMOVED FROM ROADWAYS AND DRIVEWAYS ONCE THE ROAD SUB-BASE COURSE HAS BEEN INSTALLED.
  11. PERFORM NECESSARY GRADING FOR RETAINING WALLS, BUILDINGS, PARKING LOTS AND UTILITIES. SOIL MATERIALS SHALL BE STOCKPILED ONLY IN APPROVED AREAS, AND SHALL BE PROTECTED BY SILT FENCE BARRIERS. THROUGHOUT THE CONSTRUCTION PERIOD, TEMPORARY BERMS AND SWALES SHALL BE MAINTAINED, ALTERED, OR RE-LOCATED AS NECESSARY TO DIRECT RUNOFF FROM DISTURBED AREAS TO THE SEDIMENT TRAPS. ADDITIONAL SILT FENCE BARRIERS OR OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR AS NEEDED TO PREVENT EXCESSIVE EROSION OR SEDIMENTATION OF DOWNSTREAM AREAS.
  12. INSTALL SANITARY SEWER, STORM DRAINAGE AND UTILITIES.
  13. INSTALL CURBS AND BASE COURSE FOR THE ROADS.
  14. RESTORE ANY EXISTING SITE FEATURES DISTURBED DURING CONSTRUCTION THAT WERE NOT PART OF THE ORIGINAL SCOPE.
  15. THE CONSTRUCTION SHALL MAINTAIN ALL SEDIMENT AND EROSION CONTROL MEASURES IN PROPER CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
  16. ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS. IF A REPAIR IS NECESSARY, IT SHALL BE IMPLEMENTED WITHIN 24 HOURS OF REPORT.
  17. BUILT-UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
  18. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
  19. TEMPORARY AND PERMANENT SEEDING PLANTINGS SHALL BE INSPECTED FOR BARE SPOTS, WASHOUT, AND HEALTHY GROWTH.
  20. SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS ONCE IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE BASIN. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN A MANNER SUCH THAT IT WILL NOT ERODE.
  21. AS CONSTRUCTION PROCEEDS, ALL DISTURBED AREAS SHALL BE PLANTED OR SEEDING IN A TIMELY MANNER TO PREVENT UNNECESSARY EROSION. ONCE DISTURBED UPHILL AREAS HAVE BEEN PROPERLY STABILIZED, TEMPORARY BERMS, TEMPORARY SWALES, TEMPORARY SEDIMENT TRAPS, SILT FENCE BARRIERS, HAY BALES, CRUSHED STONE FILTER OUTLETS, ETC. SHALL BE REMOVED.
  22. PERFORM FINAL GRADING, SOIL RESTORATION, AND SOIL DE-COMPACTION. SOIL RESTORATION AND DE-COMPACTION SHALL BE PERFORMED FOR ALL AREAS THAT WERE CUT, FILLED OR SUBJECT TO HEAVY VEHICLE TRAFFIC. SOIL RESTORATION AND DE-COMPACTION SHALL BE COMPLETED IN CONFORMANCE WITH THE NYSDEC PUBLICATION DEEP RIPPING AND DE-COMPACTION, 2008.
  23. UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES, REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
  24. PREPARE AS-BUILT AND POST CONSTRUCTION MEASURES AND PROCEDURES IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.

- STANDARD EROSION CONTROL NOTES:**
1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND SHALL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
  2. THE SITE AT ALL TIMES SHALL BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
  3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND INSPECTING ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
  4. STOCKPILES ARE NOT TO BE LOCATED WITHIN A FLOODPLAIN, BUFFER, ON A SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED BY A HAY BALE SEDIMENT BARRIER OR SILT FENCE.
  5. A CRUSHED STONE VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
  6. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE WORK AREA OR ONTO PUBLIC RIGHT-OF-WAY, SHALL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
  7. DUST SHALL BE CONTROLLED AT ALL TIMES IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
  8. TREES TO REMAIN AFTER CONSTRUCTION WITHIN THE WORK AREA SHALL BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
  9. 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 CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE 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 COLLECTION SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
  10. ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN OPEN OR UNFINISHED FOR MORE THAN 10 DAYS SHALL BE TEMPORARILY SEEDED WITH 1/2 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. A TEMPORARY SEEDING AND/OR MULCHING SHOULD BE APPLIED TO DISTURBED AREAS THAT ARE LEFT FOR 15 DAYS UNLESS CONSTRUCTION WILL BEGIN WITHIN 30 DAYS.
  11. SILT THAT LEAVES THE SITE SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.
  12. AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS RE-GRADED, PLANTED, OR TREATED IN ACCORDANCE WITH THE APPROVED PLANS.
  13. ALL AREAS DISTURBED BY THE SITE CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. UNLESS OTHERWISE SPECIFIED, ALL AREAS DISTURBED BY THE SITE CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT VEGETATIVE COVER, USING THE FOLLOWING SEEDING SCHEDULE, OR EQUIVALENT:
- |                       |                |                    |
|-----------------------|----------------|--------------------|
| KENTUCKY BLUE GRASS - | 1 LB. PER ACRE | 1 LB. PER 1,000 SF |
| CREeping RED FESCUE - | 20             | 0.45               |
| PERENNIAL RYE GRASS - | 5              | 0.10               |
14. ALL SEEDED AREAS TO HAVE AN APPLICATION OF THE FOLLOWING:  
 FERTILIZER - AMOUNT NEEDED TO OBTAIN A pH OF 5.5  
 FERTILIZER - 15 LBS. PER 1,000 SF OF 10-20-10 FERTILIZER OR APPROVED EQUAL.  
 IF NOT LANDSCAPED OTHERWISE, ALL NEW CONSTRUCTED STEEP PERMANENT SLOPED LESS THAN 1 (VERTICAL) : 2.5 (HORIZONTAL) TO BE SEEDED WITH THE FOLLOWING:
- |                                    |    |      |
|------------------------------------|----|------|
| CREeping RED FESCUE -              | 10 | 0.45 |
| CROWN VETCH -                      | 15 | 0.35 |
| BIRD'SFOOT TREFOL -                | 8  | 0.20 |
| TALL FESCUE OR SMOOTH BROMEGRASS - | 15 | 0.35 |
| W/PERENNIAL RYE GRASS -            | 5  | 0.10 |
15. ALL SLOPES 1 (VERTICAL) : 2.5 (HORIZONTAL) TO BE MULCHED AND STABILIZED WITH CLOTH FABRIC AND PINNED TO THE GROUND.  
 16. SOO CAN BE USED INSTEAD OF SEED.
- CONSTRUCTION SEQUENCE:**
- a. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
  - b. INSTALL SEDIMENT BARRIERS AS PER NOTE 1 ABOVE.
  - c. CONSTRUCT DIVERSION SWALES AND DRAINAGE SYSTEMS WITH MINIMUM NECESSARY CLEARING.
  - d. CLEAR EXISTING TREES AND VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED, STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED.
  - e. PERFORM NECESSARY EXCAVATION OR FILL OPERATIONS TO BRING SITE TO DESIRED SUBGRADE. INSTALL STORM DRAINAGE SYSTEM.
  - f. INSTALL SEDIMENT CONTROL BARRIERS AROUND ALL STORM DRAIN INLETS.
  - g. SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNDISTURBED FOR A PERIOD OR 30 DAYS AS PER NOTE 2 ABOVE.
  - h. AFTER COMPLETION OF THE SITE CONSTRUCTION FINISH GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED AS PER NOTES 5 AND 6 ABOVE.
  - i. REMOVE SEDIMENT BARRIERS AS PER NOTE 4 ABOVE.
  - j. MAINTAIN ALL SEEDED AND PLANTED AREAS TO INSURE A Viable STABILIZED VEGETATIVE SPECS.
  - k. ALL CONSTRUCTION TO MEET CURRENT MUNICIPALITY SPECS.
  - l. 4" OF TOP SOIL TO BE SPREAD PRIOR TO SEEDING IN ALL DISTURBED AREAS.

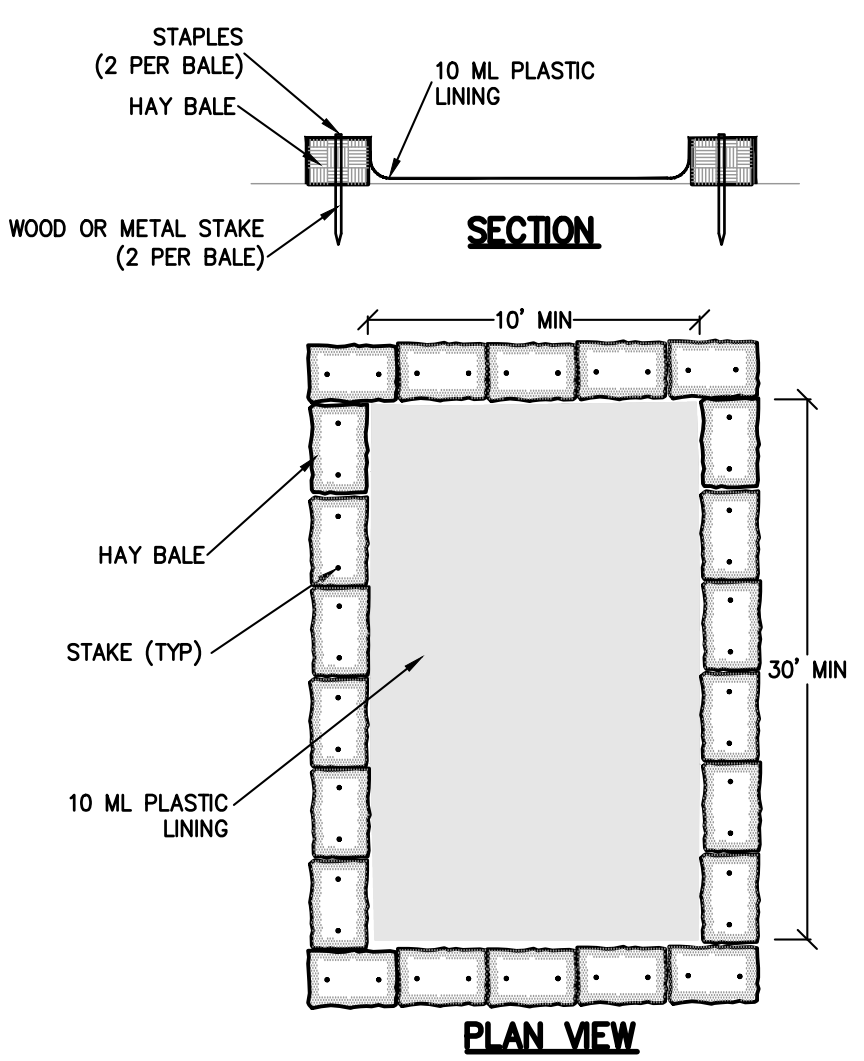


**SOIL STOCKPILE SEDIMENT BARRIER**  
N.T.S.



- NOTES:**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
  2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
  3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA THIN, OR APPROVED EQUIVALENT.
  4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
  5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**SILT FENCE**  
N.T.S.



**CONCRETE TRUCK WASH AREA**  
N.T.S.

REV	DESCRIPTION	BY	DATE

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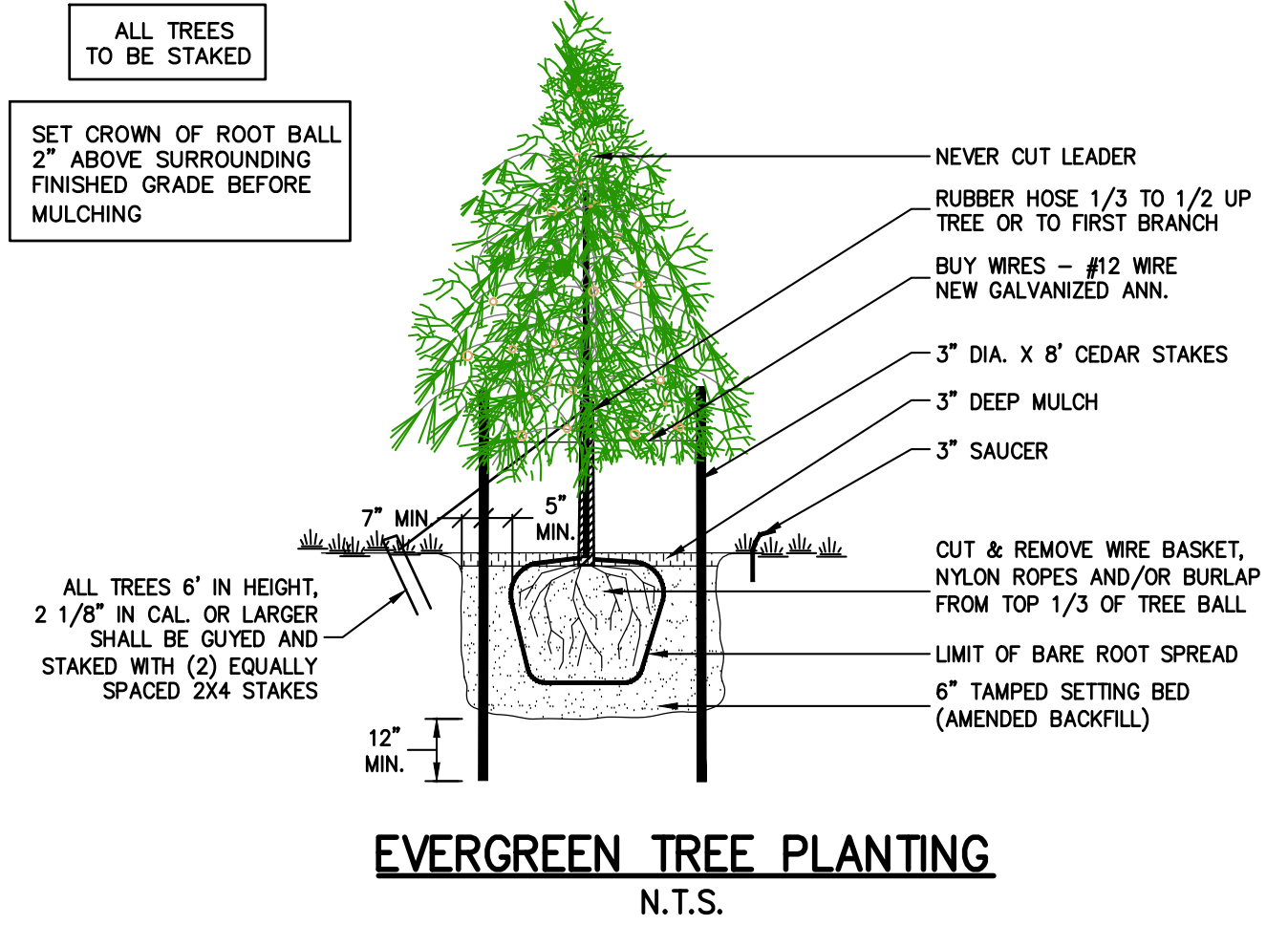
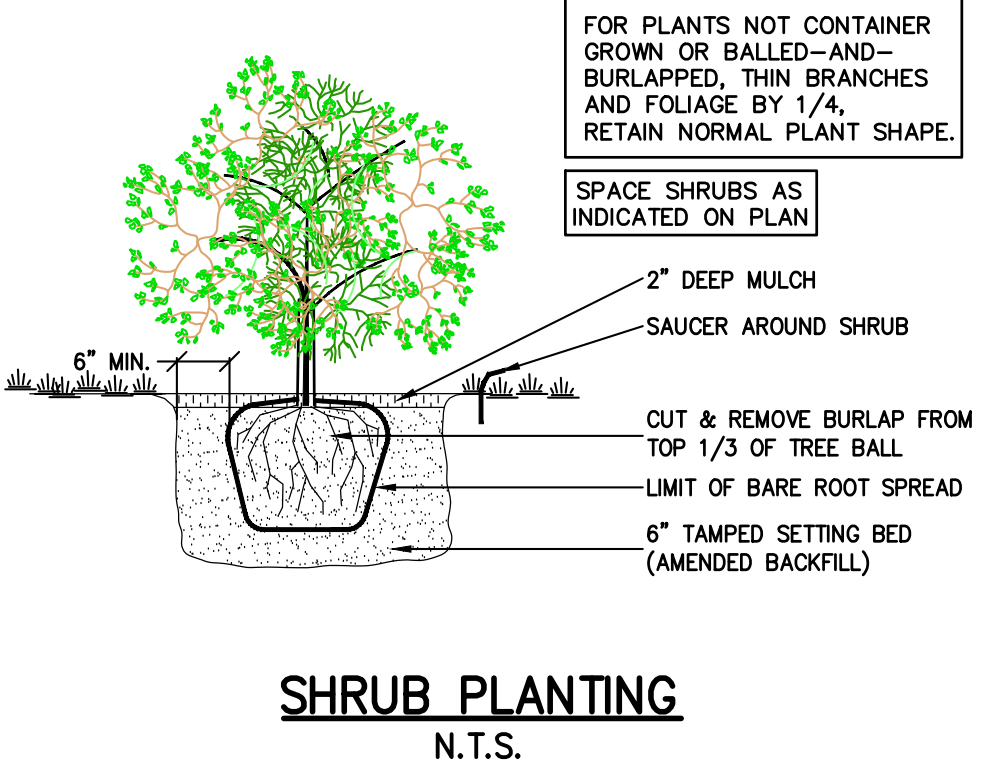
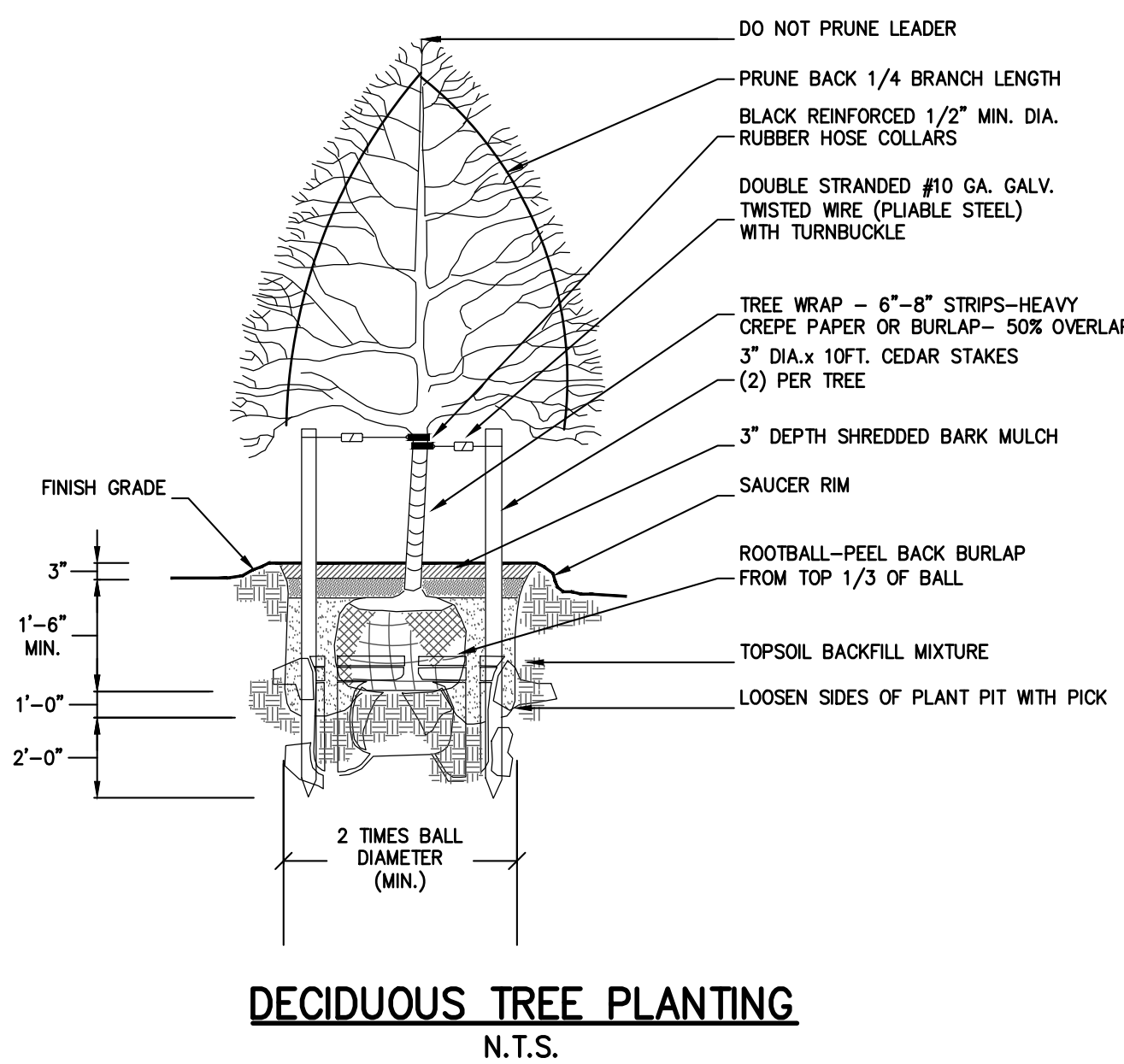
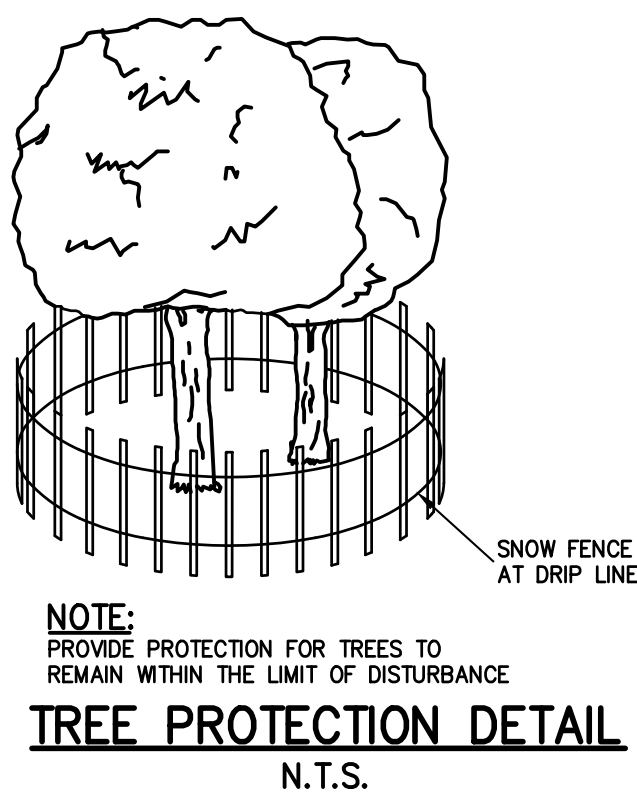
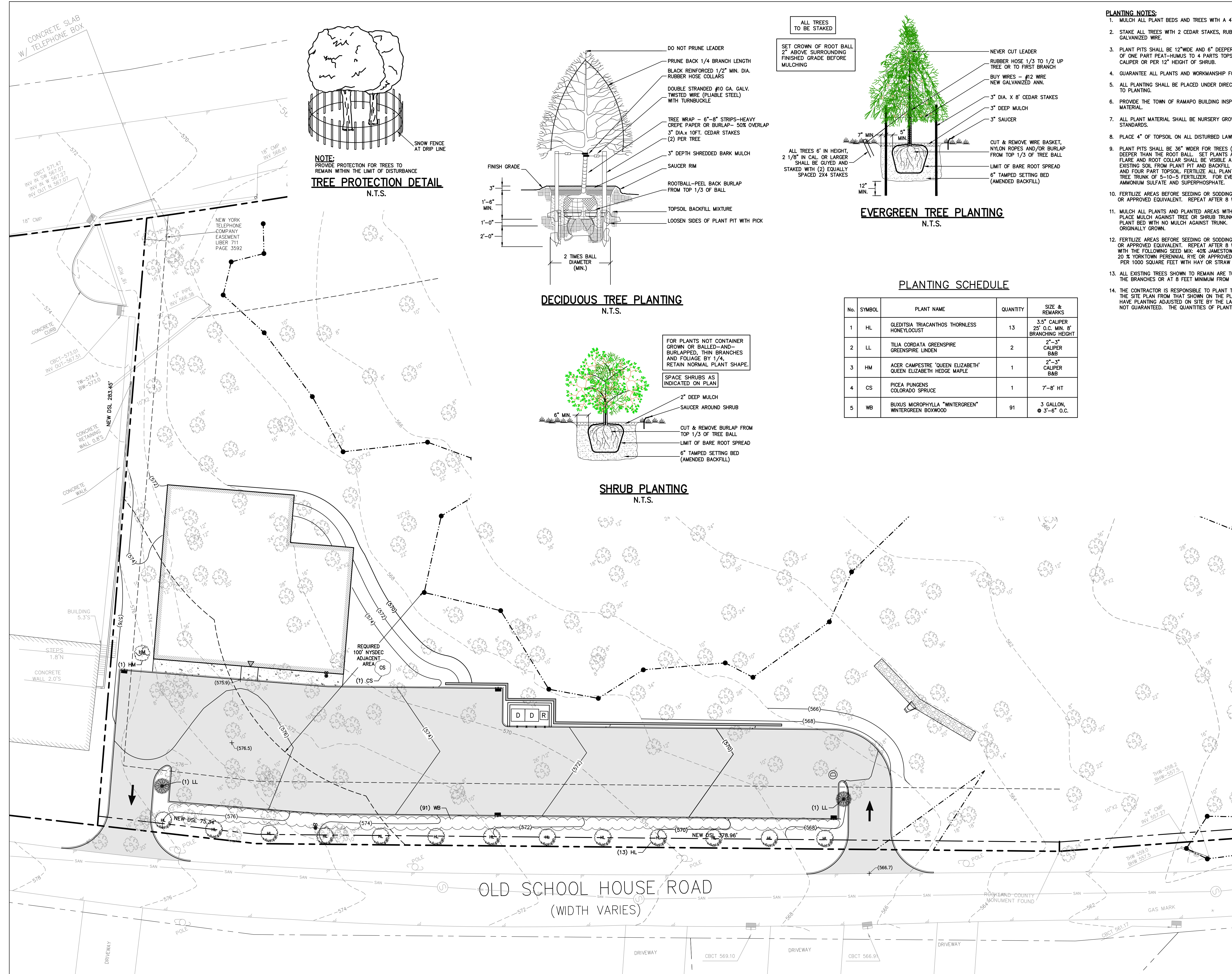
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PROJECT: **DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK

TITLE: **EROSION AND SEDIMENT CONTROL PLAN**

PROJECT NO: 55257 | DRAWN: DS | CHECKED: MT  
 SCALE: 1" = 20'  
 GRAPHIC SCALE: 0 20' 40'  
 DATE: 09/25/2023 | DRAWING NO: 6

BRIAN A. BROOKER, PROFESSIONAL ENGINEER  
 N.Y.S. Lic. No. 60229



**PLANTING SCHEDULE**

No.	SYMBOL	PLANT NAME	QUANTITY	SIZE & REMARKS
1	HL	GLEDITSIA TRIACANTHOS THORNLESS HONEYLOCUST	13	3.5" CALIPER 25' O.C. MIN. 8' BRANCHING HEIGHT
2	LL	TILIA CORDATA GREENSPIRE GREENSPIRE LINDEN	2	2"-3" CALIPER B&B
3	HM	ACER CAMPESTRE 'QUEEN ELIZABETH' QUEEN ELIZABETH HEDGE MAPLE	1	2"-3" CALIPER B&B
4	CS	PICEA PUNGENS COLORADO SPRUCE	1	7'-8' HT
5	WB	BUXUS MICROPHYLLA 'WINTERGREEN' WINTERGREEN BOXWOOD	91	3 GALLON, Ø 3"-6" O.C.

- PLANTING NOTES:**
- MULCH ALL PLANT BEDS AND TREES WITH A 4" DEPTH OF SUGAR CANE OR LICORICE ROOT MULCH.
  - STAKE ALL TREES WITH 2 CEDAR STAKES, RUBBER HOSE AROUND TREE (6"-Ø" ABOVE GRADE) AND TWISTED #10 GALVANIZED WIRE.
  - PLANT PITS SHALL BE 12" WIDE 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) - 2 INCH OF TRR CALIPER OR PER 12" HEIGHT OF SHRUB.
  - GUARANTEE ALL PLANTS AND WORKMANSHIP FOR TWO PLANTING SEASONS.
  - ALL PLANTING SHALL BE PLACED UNDER DIRECTION OF AN APPROPRIATE LICENSED DESIGN PROFESSIONAL. NOTIFY 48 HOURS PRIOR TO PLANTING.
  - PROVIDE THE TOWN OF RAMAPO BUILDING INSPECTOR WITH A COPY OF THE STATE CERTIFICATE OF SOURCE FOR ALL PLANT MATERIAL.
  - ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERY MEN'S STANDARDS.
  - PLACE 4" OF TOPSOIL ON ALL DISTURBED LAWN AREAS AND ALL AREA NOT PAVED OR BUILT UPON.
  - PLANT PITS SHALL BE 36" WIDER FOR TREES (MINIMUM OF TWO TIMES ROOT BALL DIAMETER) AND 24" WIDER FOR SHRUBS AND 6" DEEPER THAN THE ROOT BALL. SET PLANTS AT SAME LEVEL AS ORIGINALLY GROWN ON BASE OF UNDISTURBED SOIL. THE TRUNK FLARE AND ROOT COLLAR SHALL BE VISIBLE AT THE TOP OF THE PLANT BED AT THE TIME OF FINAL INSPECTION. REMOVE ALL EXISTING SOIL FROM PLANT PIT AND BACKFILL WITH A MIXTURE OF ONE PART PEAT HUMUS, ONE PART DEHYDRATED COW MANURE, AND FOUR PART TOPSOIL. FERTILIZE ALL PLANTS WITH 2 TO 3 OZ. PER FOOT OF SHRUB HEIGHT AND 2 TO 3 LBS. PER INCH OF TREE TRUNK OF 8-10-5 FERTILIZER. FOR EVERGREEN PLANTING, ADD 1 LB. PER 100 SQUARE FEET OF PLANT BED EACH OF AMMONIUM SULFATE AND SUPERPHOSPHATE.
  - FERTILIZE AREAS BEFORE SEEDING OR SODDING WITH 15LBS. PER 1000 SQUARE FEET OF 10-20-10 FERTILIZER OR APPROVED EQUIVALENT. REPEAT AFTER 8 WEEKS.
  - MULCH ALL PLANTS AND PLANTED AREAS WITH A 4" DEPTH OF SHREDDED PINE, OAK BARK OR OTHER SHREDDED BARK. DO NOT PLACE MULCH AGAINST TREE OR SHRUB TRUNK. THE TRUNK FLARE AND ROOT COLLAR SHALL BE VISIBLE AT THE TOP OF THE PLANT BED WITH NO MULCH AGAINST TRUNK. DO NOT CREATE MOUND OF MULCH AROUND TREE. FINISH GRADE TO BE SAME AS ORIGINALLY GROWN.
  - FERTILIZE AREAS BEFORE SEEDING OR SODDING WITH 15 LBS. PER 1000 SQUARE FEET OF 10-20-10 FERTILIZER OR APPROVED EQUIVALENT. REPEAT AFTER 8 WEEKS. LAWN AREAS SHALL BE SEEDED AT 5 LBS. PER 1000 SF. WITH THE FOLLOWING SEED MIX: 40% JAMESTOWN CHEWINGS FESCUE, 40% BARON KENTUCKY BLUEGRASS, AND 20% YORKTOWN PERENNIAL RYE OR APPROVED EQUIVALENT. MULCH NEWLY SEEDED LAWN AT 90 LBS. PER 1000 SQUARE FEET WITH HAY OR STRAW MULCH.
  - ALL EXISTING TREES SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4 FOOT HIGH SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK.
  - THE CONTRACTOR IS RESPONSIBLE TO PLANT THE TOTAL QUANTITIES OF ALL PLANTS SHOWN ON THE PLANTING PLAN. CHANGES TO THE SITE PLAN FROM THAT SHOWN ON THE PLANTING PLAN THAT CAUSE DIFFERENT SITE AREAS AVAILABLE FOR PLANTING SHALL HAVE PLANTING ADJUSTED ON SITE BY THE LANDSCAPE ARCHITECT. THE QUANTITIES OF PLANTS SHOWN ON THE PLANT LIST ARE NOT GUARANTEED. THE QUANTITIES OF PLANTINGS SHOWN GRAPHICALLY ON THE PLAN SHALL GOVERN.

REV	DESCRIPTION	BY	DATE

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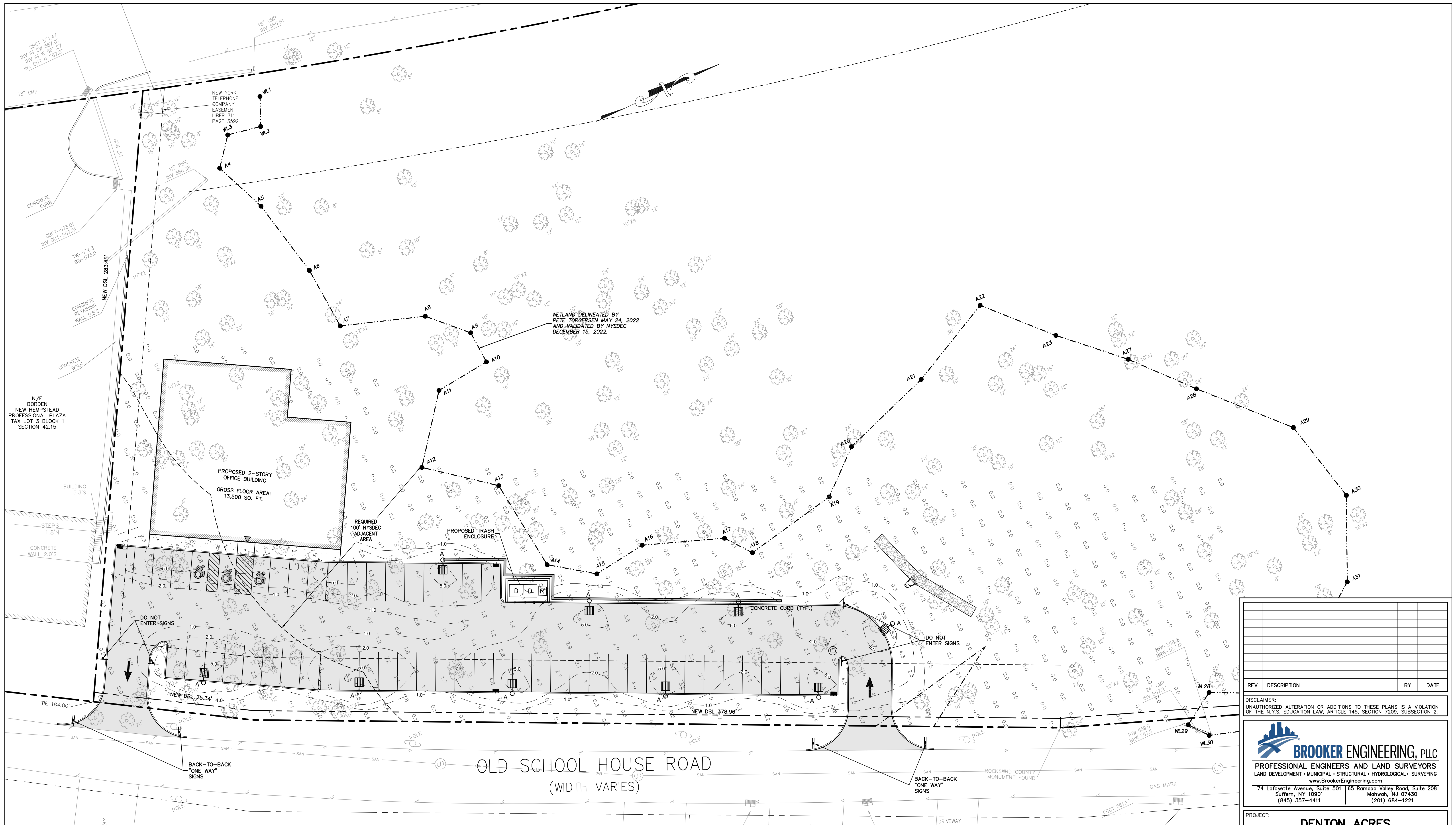
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PROJECT: **DENTON ACRES**  
VILLAGE OF NEW HEMPSTEAD  
ROCKLAND COUNTY  
NEW YORK

TITLE: **LANDSCAPING PLAN**

PROJECT NO: 55257	DRAWN: DS	CHECKED: MT
SCALE: 1" = 20'		
GRAPHIC SCALE: 0 20' 40'		
DATE: 09/25/2023	DRAWING NO: 7	

**BRIAN A. BROOKER,**  
PROFESSIONAL ENGINEER  
N.Y.S. Lic. No. 60229



REV	DESCRIPTION	BY	DATE

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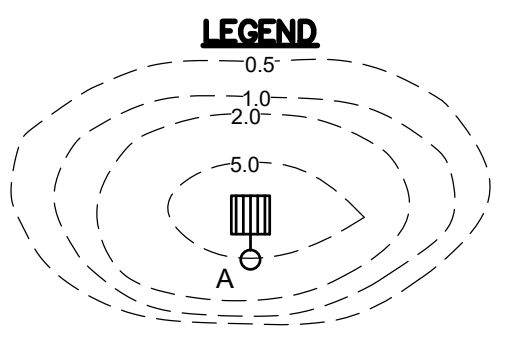
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PROJECT: **DENTON ACRES**  
 VILLAGE OF NEW HEMPSTEAD  
 ROCKLAND COUNTY  
 NEW YORK

TITLE: **LIGHTING PLAN**

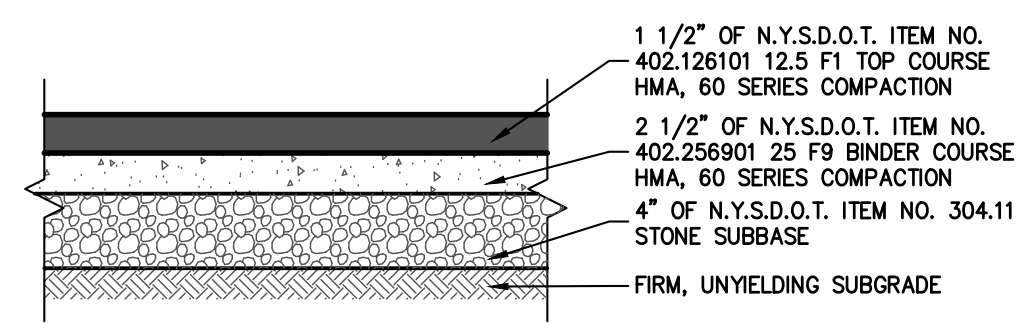
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 SCALE: 1" = 20'  
 GRAPHIC SCALE: 0 20' 40'  
 DATE: 09/25/2023 | DRAWING NO: 8

LUMINAIRE SCHEDULE							
SYMBOL	TAG	QUANTITY	LABEL	DESCRIPTION	ARRANGEMENT	MANUFACTURER	CONTROL
○	A	9	DSXWPM LED Area Luminaire	DSXWPM LED 20C 1000mA 30K T2S MVOLT HS	SINGLE POLE MOUNTED W/ HOUSE SHIELD	LITHONIA LIGHTING	MANUALLY ACTUATED FOR SPECIAL EVENTS ONLY
○	B	3	WPX1 LED WALLPACK	WPX1 LED P2 30K MVOLT	WALL MOUNTED	LITHONIA LIGHTING	MATCH EXISTING TIMER

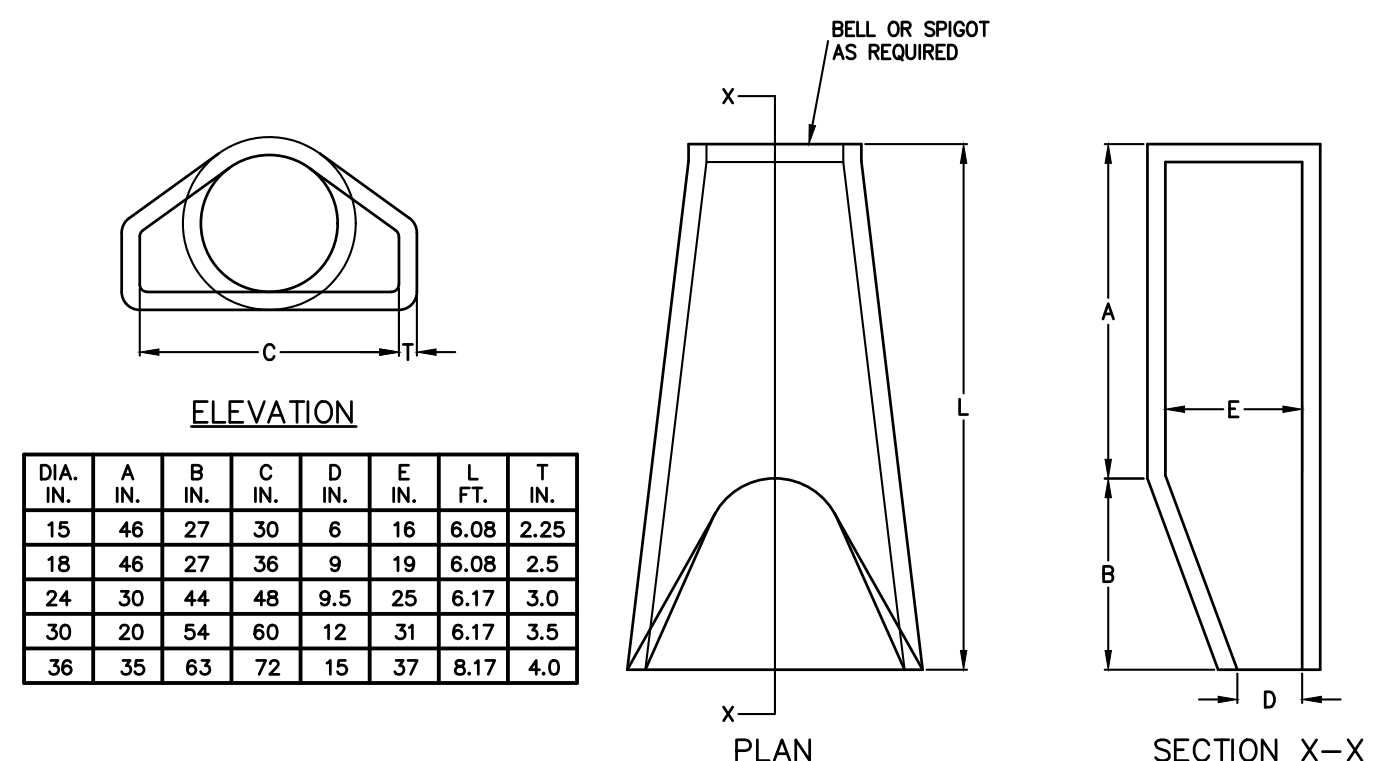


- NOTES:
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF POLE MOUNTING BASE AND LIGHT POLE FOR APPROVAL BY OWNER PRIOR TO CONSTRUCTION. MOUNTING HEIGHT IS MEASURED FROM FINISHED GRADE AND NOT FROM TOP OF BASE PEDESTAL.
  - ALL LIGHTING SHOWN IN THIS PLAN SHALL BE DIRECTED AND/OR SHIELDED SO AS TO PRECLUDE OBJECTIONABLE GLARE OBSERVABLE FROM ADJOINING STREETS AND PROPERTIES.
  - POWER SUPPLY SHALL BE PREPARED BY THE AUDITORIUM/ELECTRICAL ENGINEER.
  - INDOOR LOCATION OF OVERFLOW PARKING LIGHT SWITCH SHALL BE DESIGNATED BY OWNER.

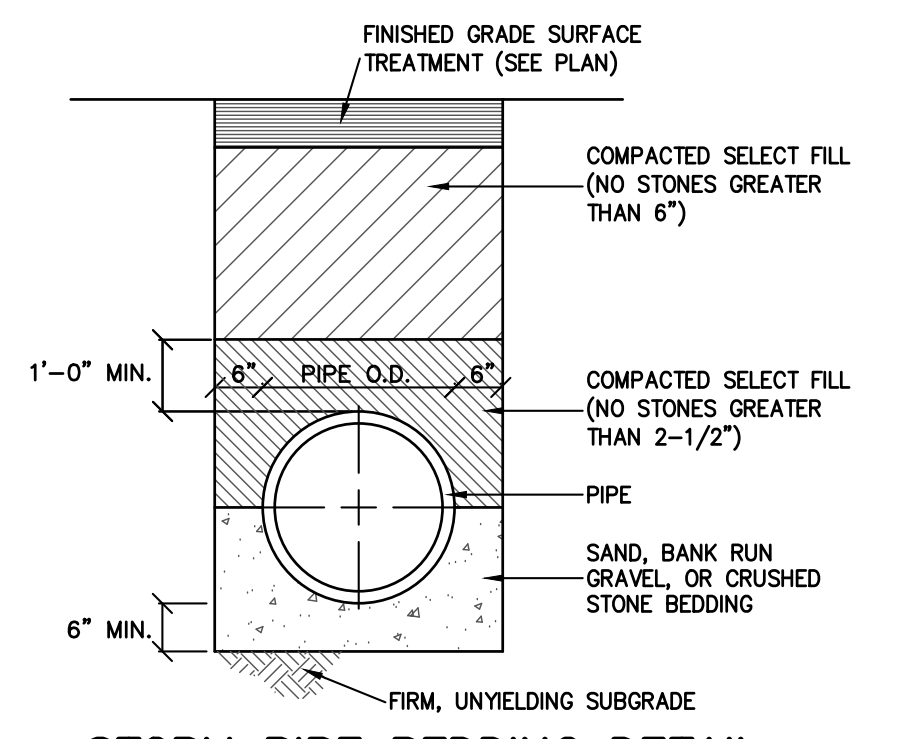




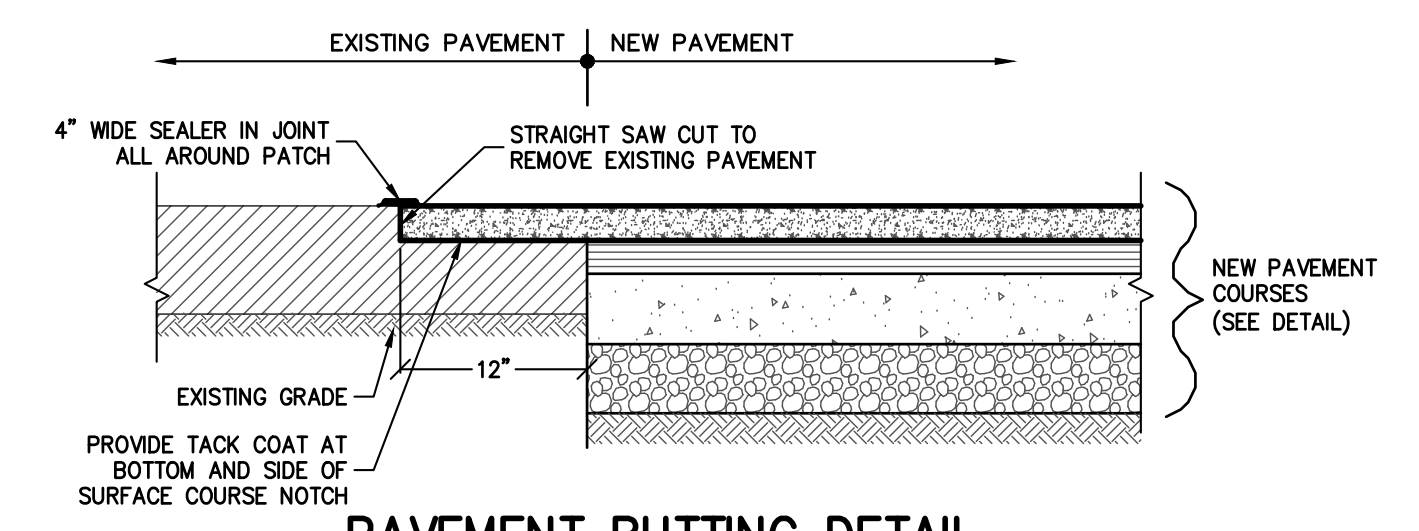
**PARKING LOT PAVEMENT SECTION**  
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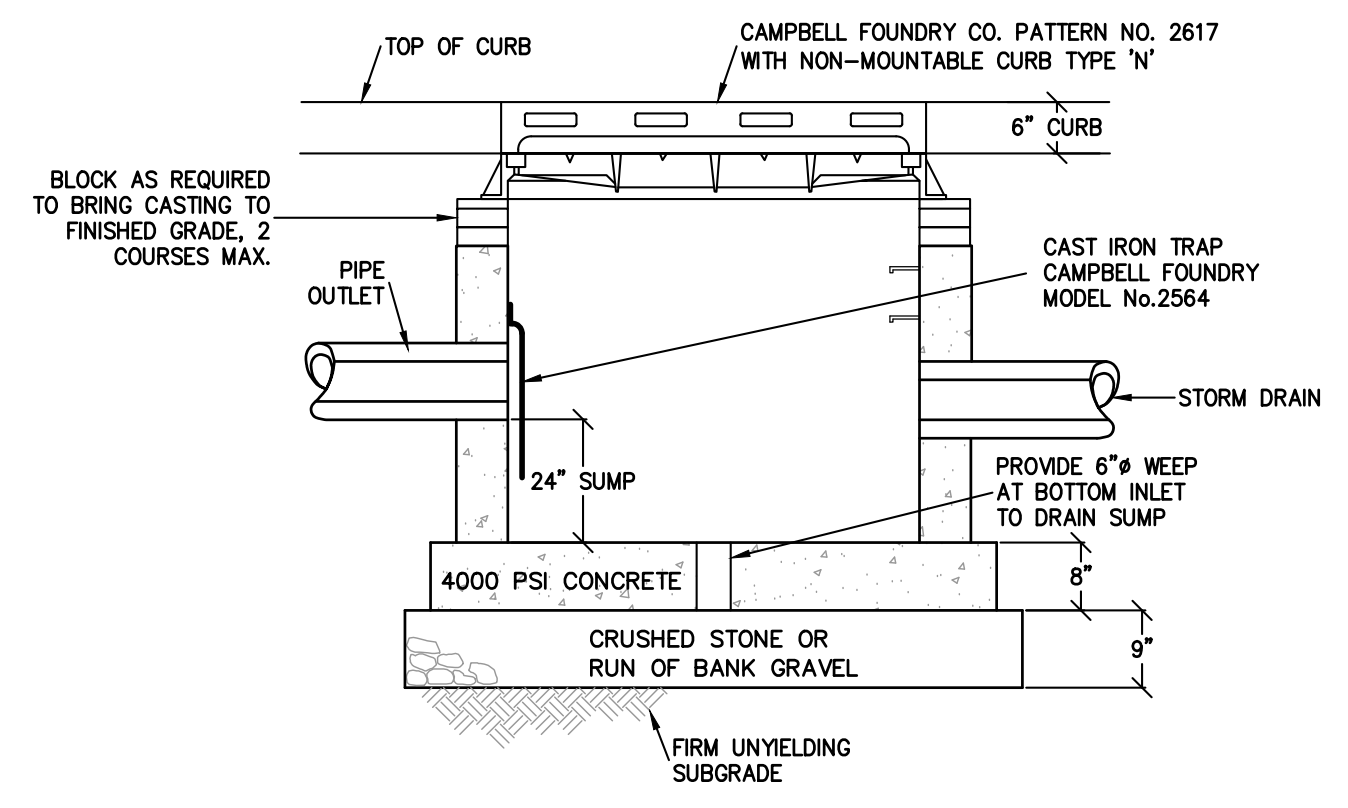
**FLARED END SECTION DETAIL**  
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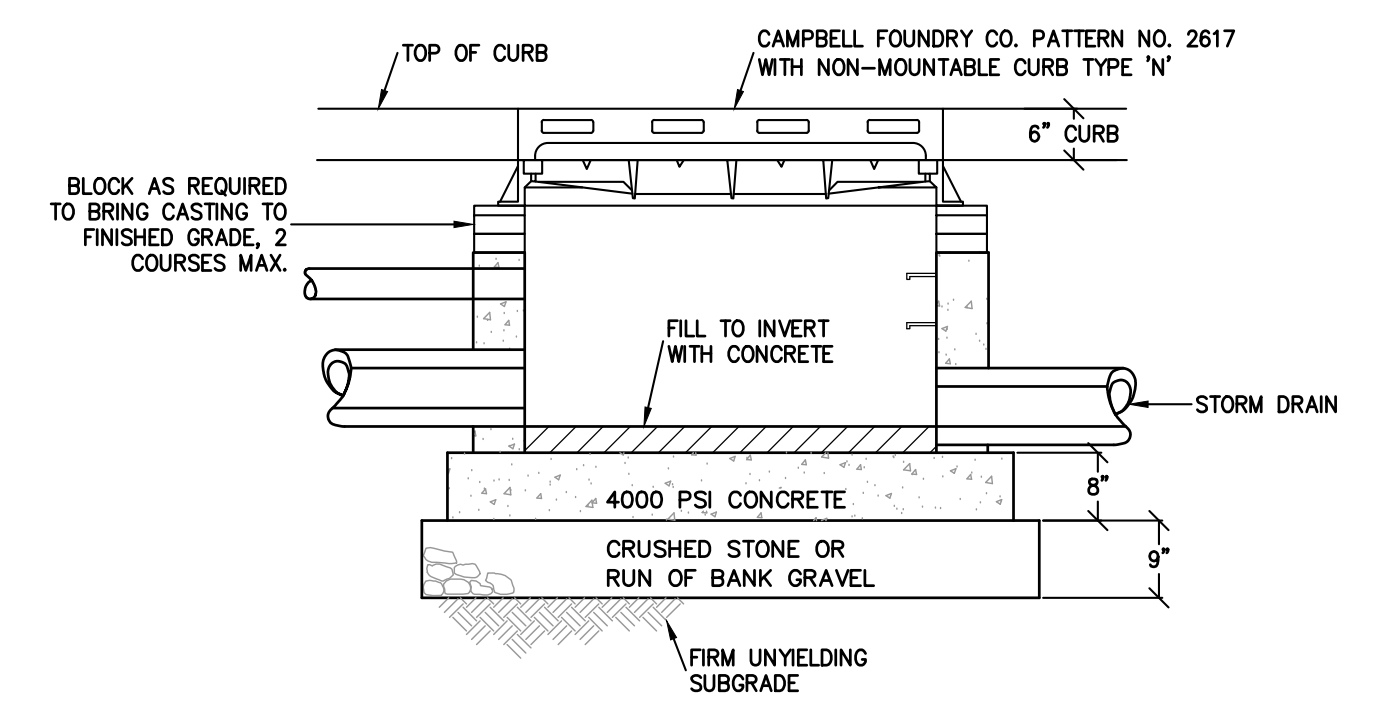
**STORM PIPE BEDDING DETAIL**  
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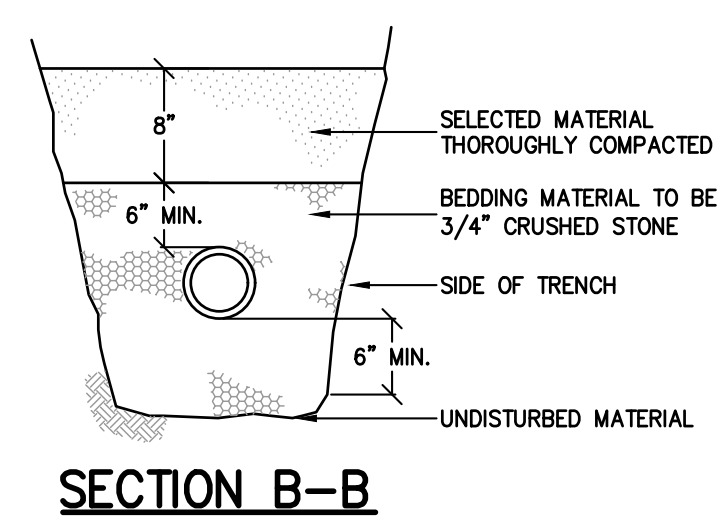
**PAVEMENT BUTTING DETAIL**  
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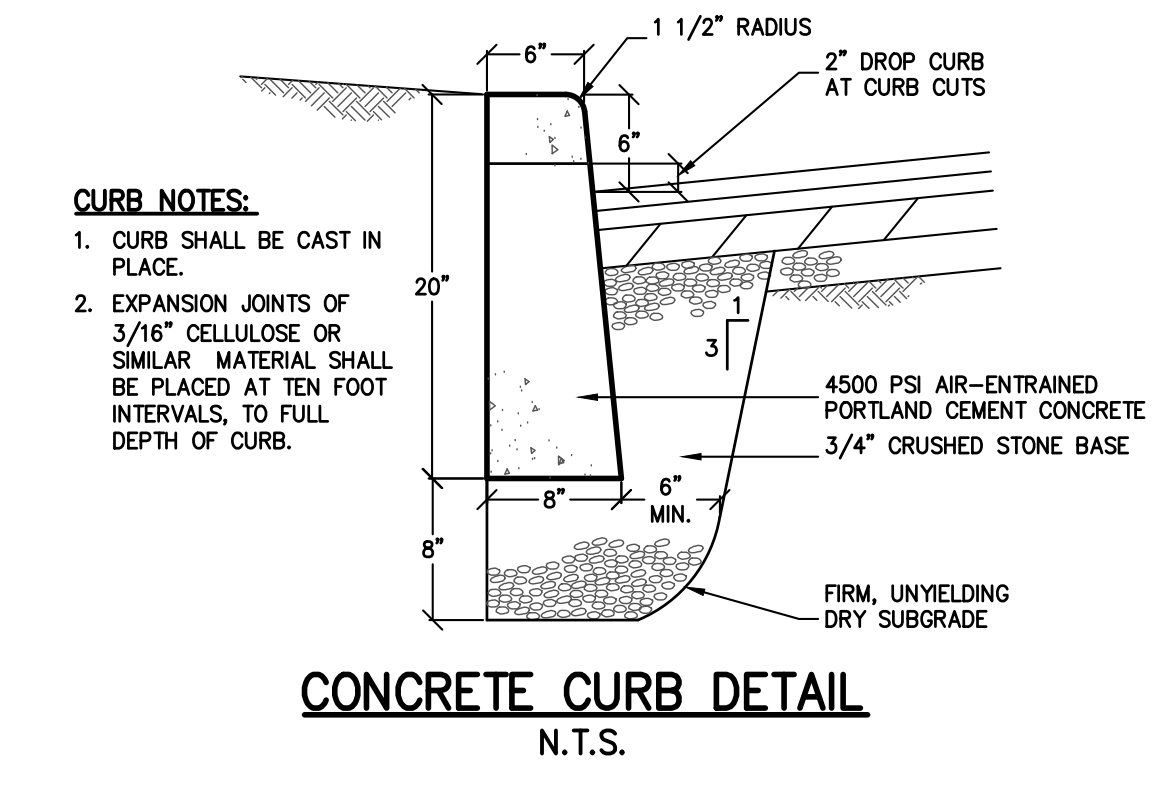
**CATCH BASIN W/ SUMP DETAIL**  
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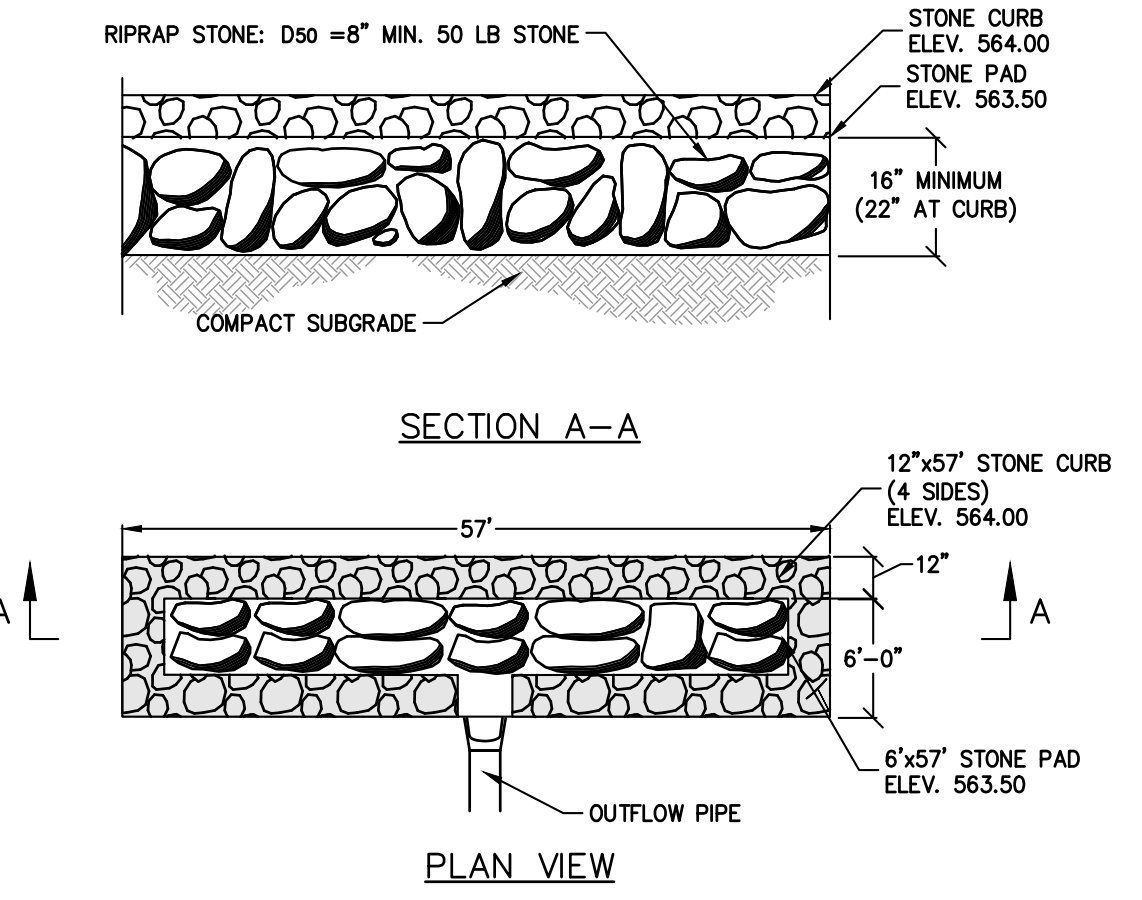
**CATCH BASIN DETAIL**  
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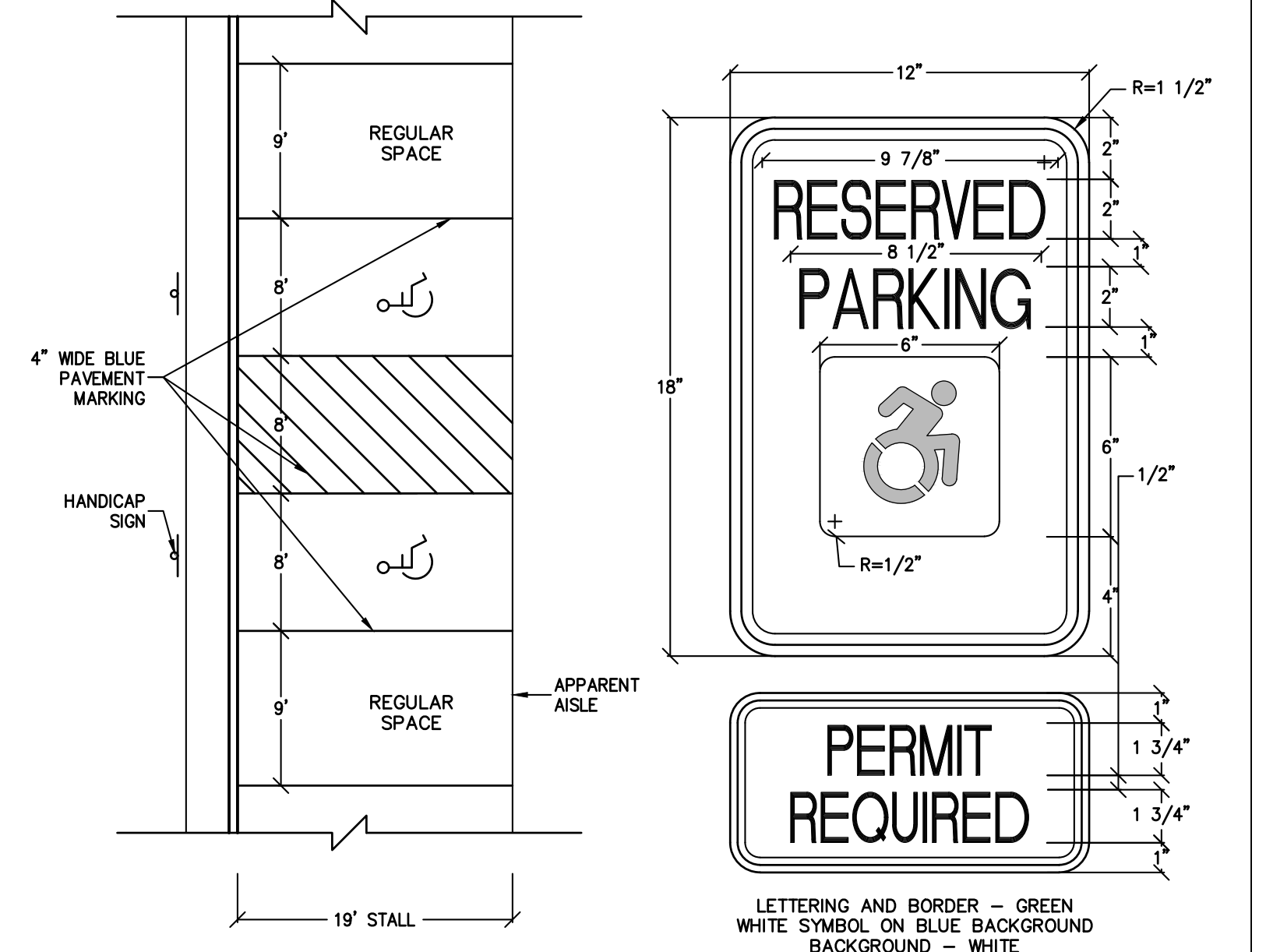
**SECTION B-B**



**CONCRETE CURB DETAIL**  
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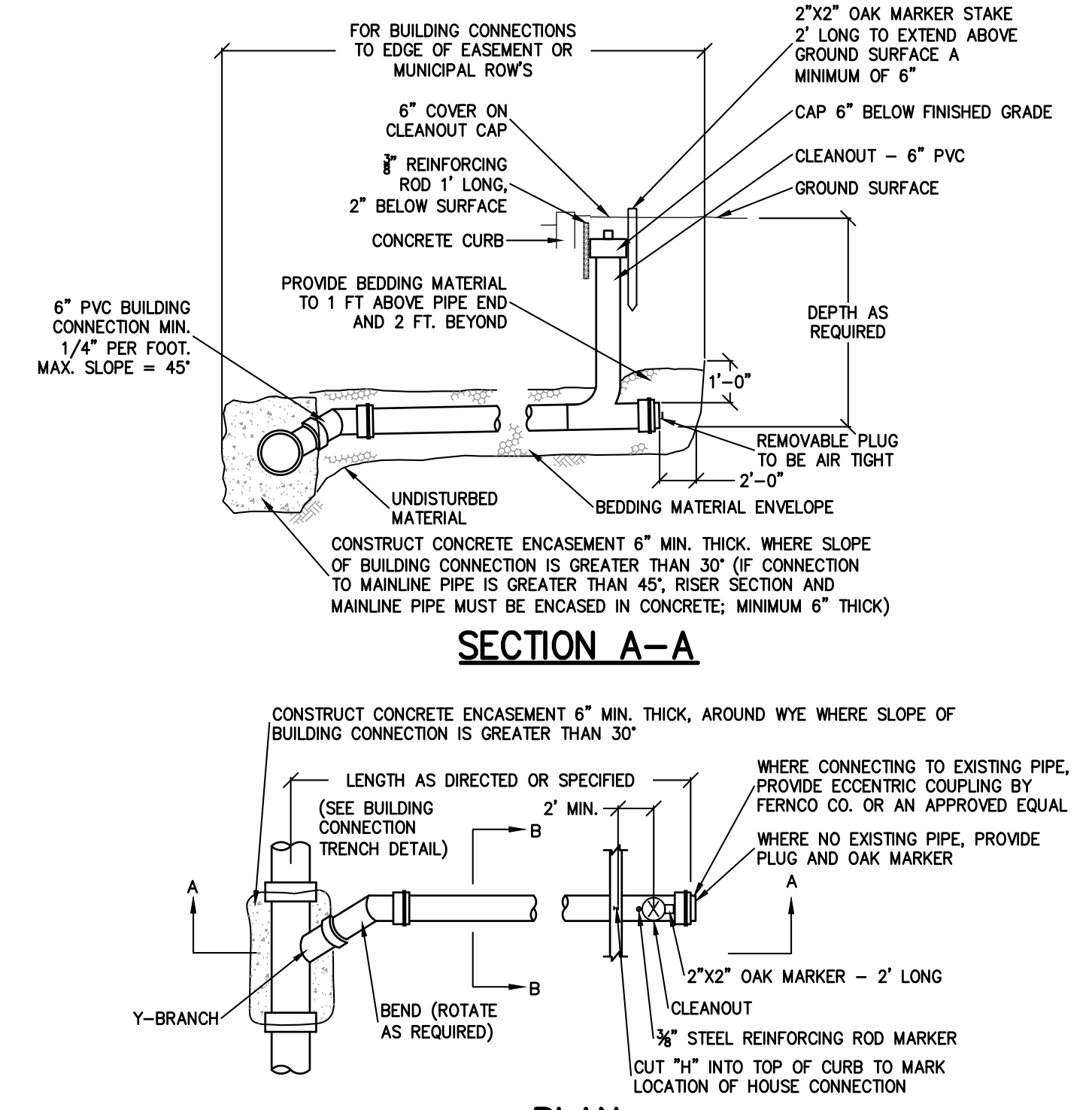


**LEVEL SPREADER DETAIL**  
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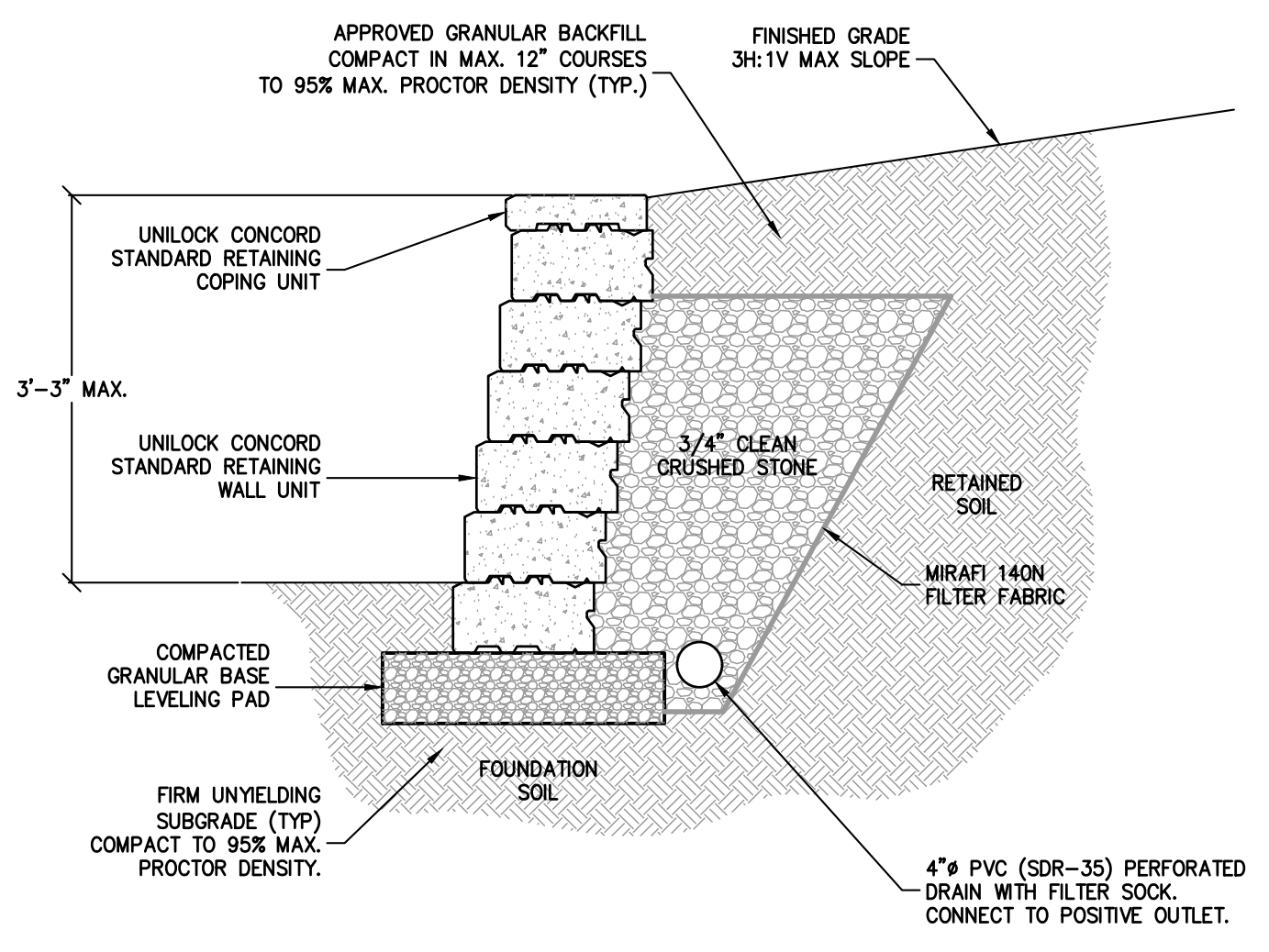


**HANDICAPPED PARKING SPACE DESIGN STANDARDS**  
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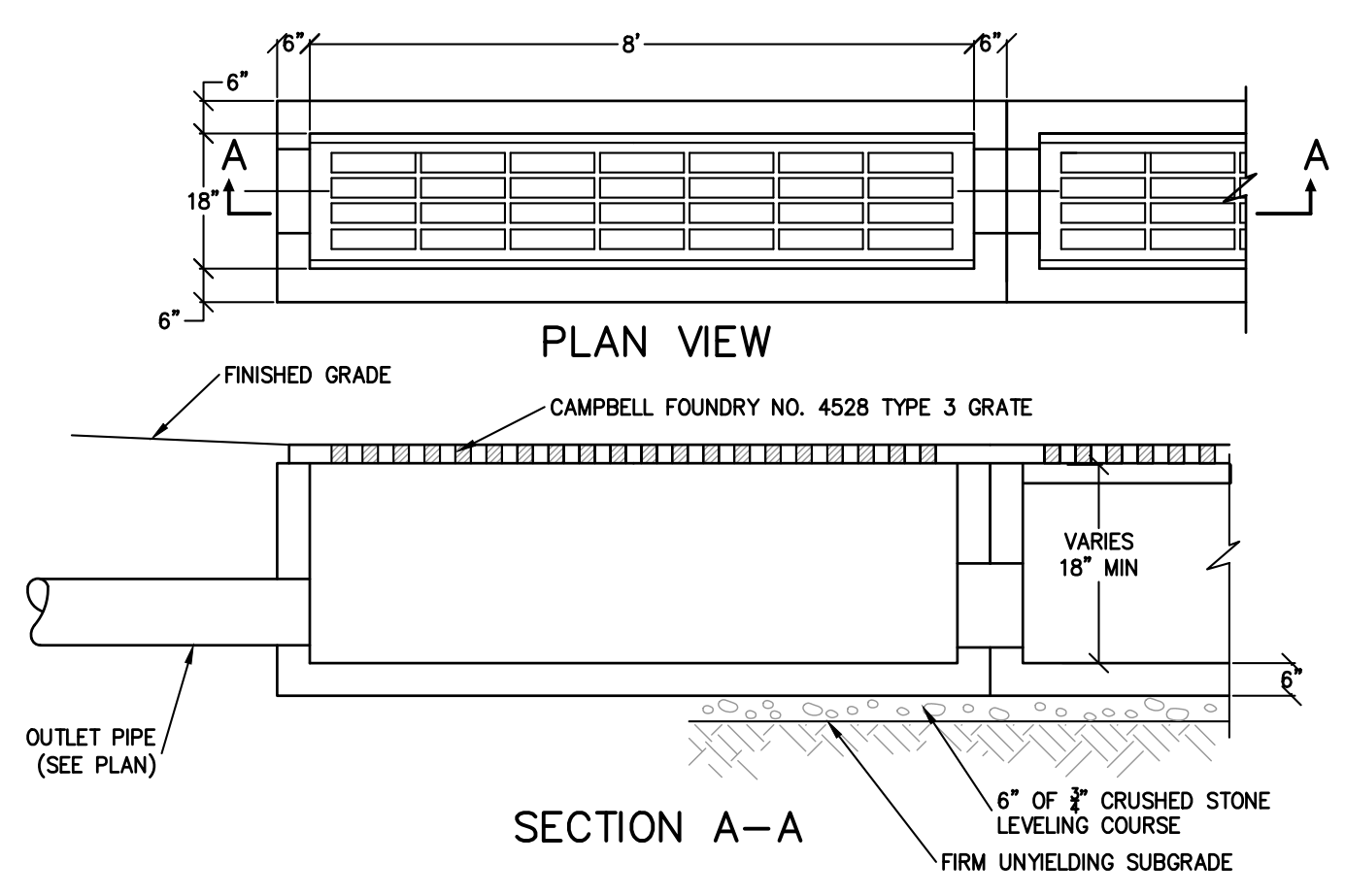
**SIGN FOR PARKING SPACE FOR THE HANDICAPPED**  
N.T.S.



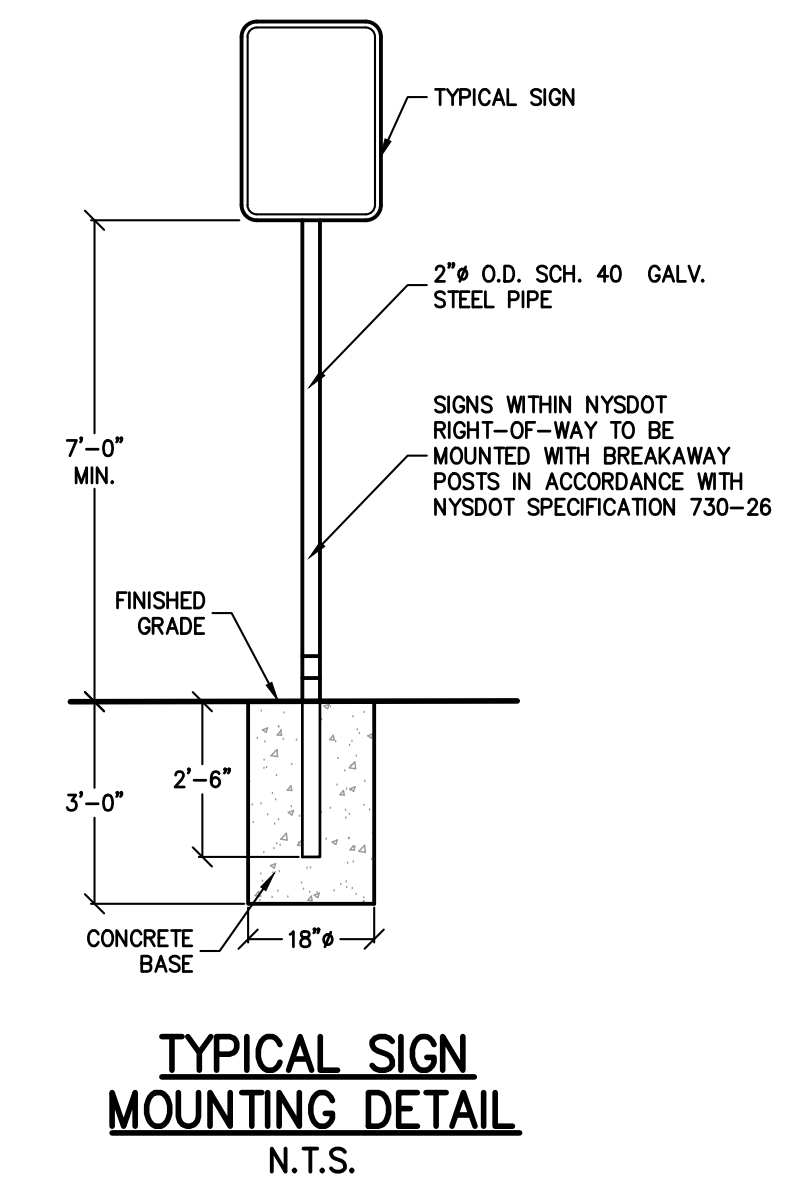
**BUILDING CONNECTION DETAILS**  
R.C.S.D. NO.1  
N.T.S.



**UNILOCK CONCORD RETAINING WALL SYSTEM**  
N.T.S.



**TRENCH DRAIN**  
N.T.S.



**TYPICAL SIGN MOUNTING DETAIL**  
N.T.S.

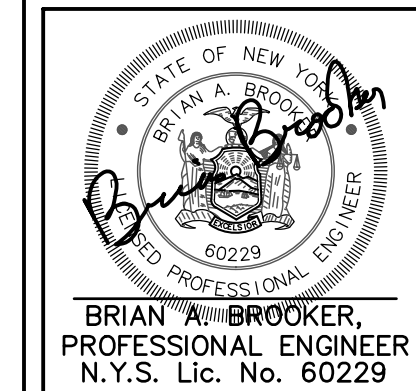
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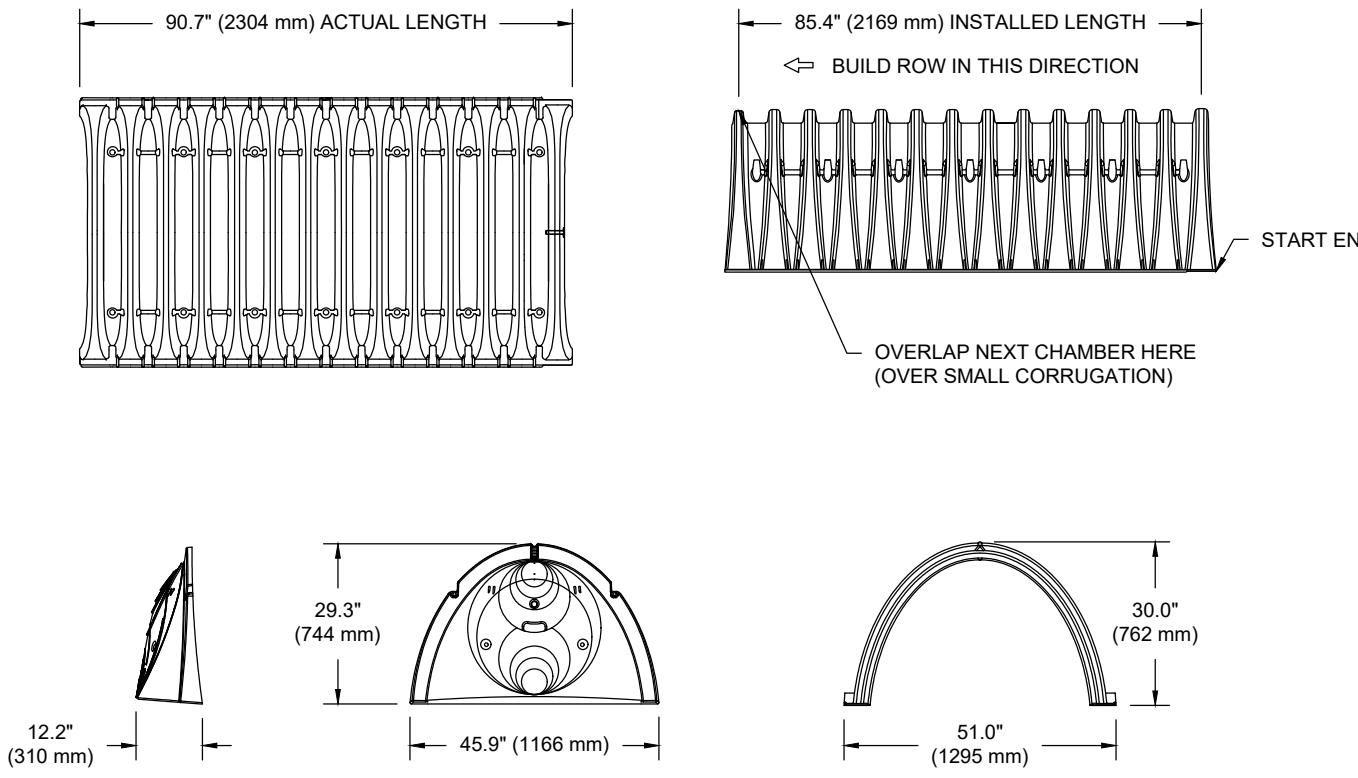
PROJECT: **DENTON ACRES**  
VILLAGE OF NEW HEMPSTEAD  
ROCKLAND COUNTY  
NEW YORK

TITLE: **CONSTRUCTION DETAILS (1 OF 3)**

PROJECT NO: 55257 DRAWN: DS CHECKED: MT  
SCALE: GRAPHIC SCALE:  
DATE: 09/25/2023 DRAWING NO: 9



**SC-740 TECHNICAL SPECIFICATION**  
N.T.S.



**NOMINAL CHAMBER SPECIFICATIONS**

SIZE (W X H X INSTALLED LENGTH)	CHAMBER STORAGE	MINIMUM INSTALLED STORAGE*	WEIGHT
51.0" X 30.0" X 85.4" (1295 mm X 762 mm X 2169 mm)	45.9 CUBIC FEET (1.30 m <sup>3</sup> )	74.9 CUBIC FEET (2.12 m <sup>3</sup> )	75.0 lbs. (33.6 kg)

\*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

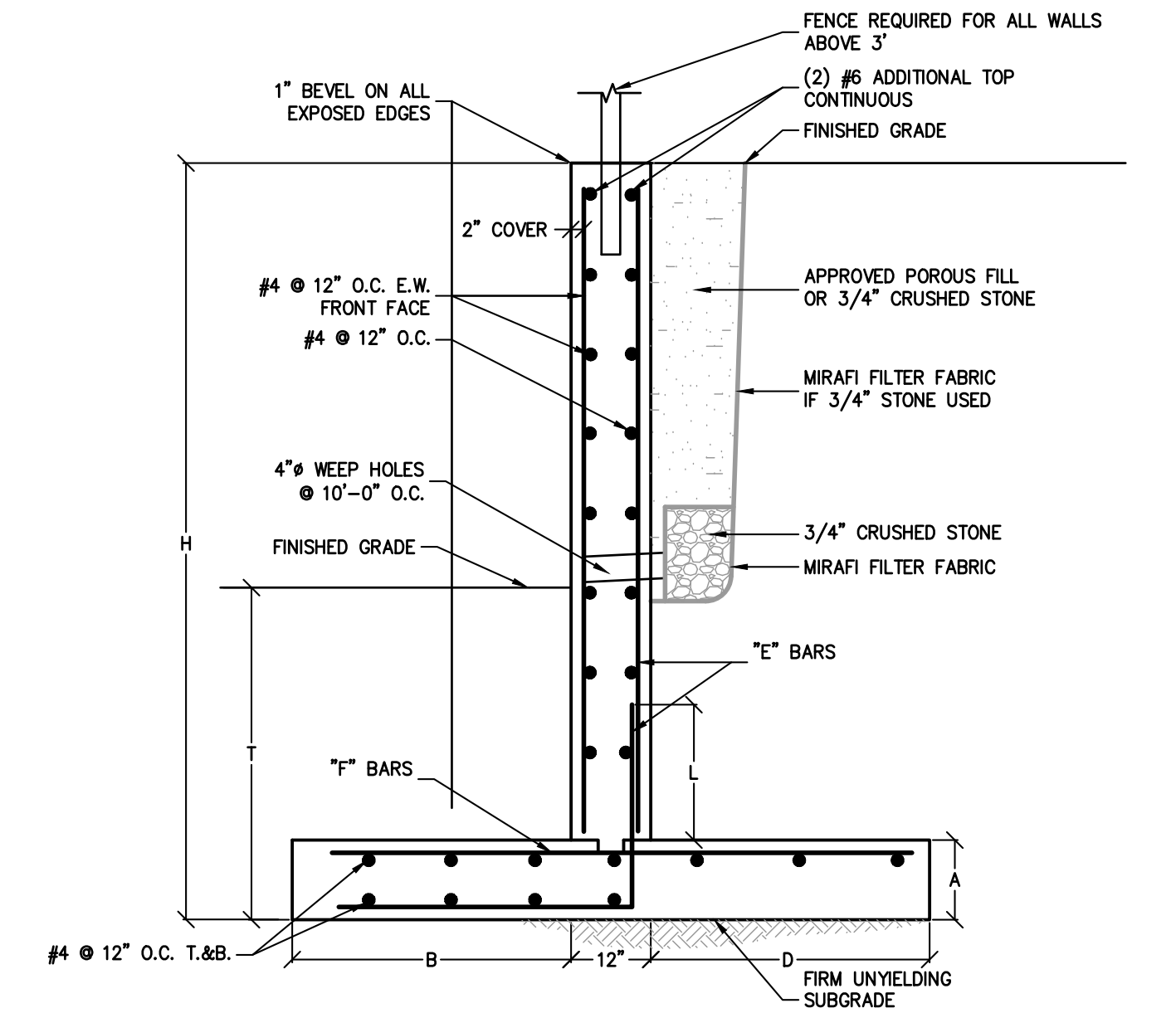
PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"  
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"  
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	—
SC740EPE08B / SC740EPE08BPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.5" (13 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	—
SC740EPE10B / SC740EPE10BPC	10" (250 mm)	13.4" (340 mm)	—	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	—
SC740EPE12B / SC740EPE12BPC	12" (300 mm)	14.7" (373 mm)	—	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	—
SC740EPE15B / SC740EPE15BPC	15" (375 mm)	18.4" (467 mm)	—	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	—
SC740EPE18B / SC740EPE18BPC	18" (450 mm)	19.7" (500 mm)	—	1.6" (41 mm)
SC740ECEZ	24" (600 mm)	18.5" (470 mm)	—	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

\*FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

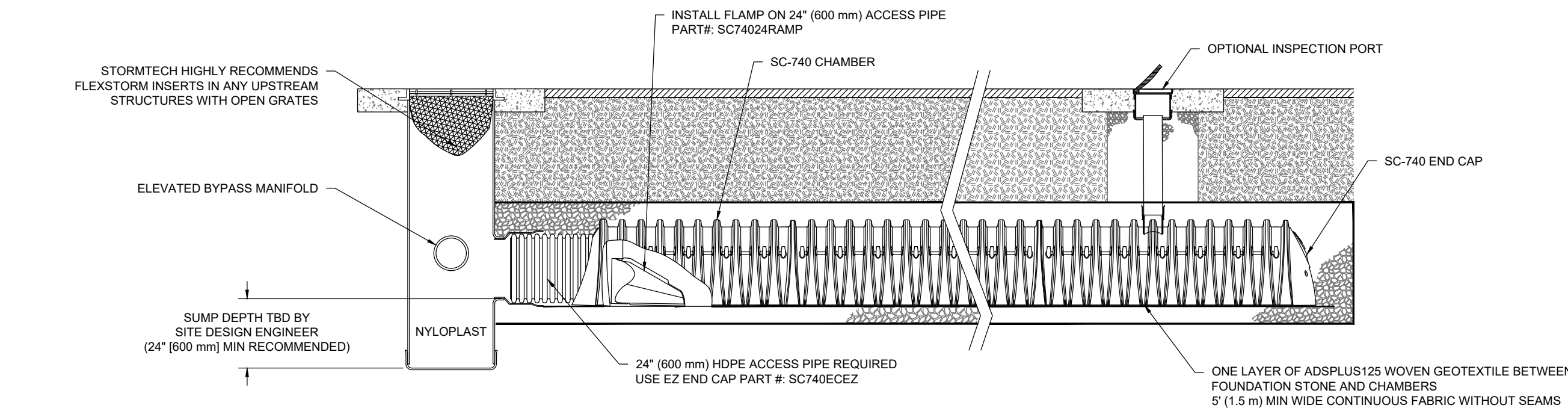


T	H	B	D	E'-BARS	F'-BARS	A	L
3'-6"	5'-0"	3'-9"	—	#4 @ 12" O.C.	#4 @ 12" O.C.	1'-0"	1'-6"
3'-6"	6'-0"	4'-9"	—	#4 @ 10" O.C.	#4 @ 12" O.C.	1'-0"	1'-6"
3'-6"	7'-0"	5'-6"	—	#5 @ 12" O.C.	#4 @ 12" O.C.	1'-0"	2'-0"
3'-6"	8'-0"	6'-6"	—	#5 @ 10" O.C.	#4 @ 12" O.C.	1'-0"	2'-0"
3'-6"	9'-0"	6'-6"	1'-0"	#6 @ 12" O.C.	#4 @ 12" O.C.	1'-0"	2'-6"
3'-9"	10'-0"	6'-6"	1'-0"	#6 @ 10" O.C.	#5 @ 12" O.C.	1'-0"	2'-6"
4'-3"	11'-0"	7'-6"	1'-0"	#8 @ 12" O.C.	#5 @ 12" O.C.	1'-0"	2'-6"
4'-6"	12'-0"	9'-3"	1'-0"	#8 @ 8" O.C.	#5 @ 10" O.C.	1'-0"	3'-0"

**NOTES:**

- FINAL DESIGN IS SUBJECT TO REVISION OR AMENDMENT BY A PROFESSIONAL ENGINEER BASED ON FIELD CONDITIONS AND INTEGRITY OF EXISTING ROCK AND SOIL PROFILE.
- WALL CONSTRUCTION METHODOLOGY AND MATERIAL MAY BE SUBSTITUTED FOR THE CONCRETE WALL DESIGN SHOWN, SUBJECT TO DESIGN AND CERTIFICATION BY A NYS LICENSED PROFESSIONAL ENGINEER.
- WALLS IN PARKING AREAS SHALL BE INSTALLED WITH A GUARDRAIL AND CONCRETE PARKING BLOCK. IN ADDITION, THE TOP OF WALL ELEVATION SHALL BE RAISED BY ONE FOOT ABOVE FINISHED GRADE.
- SOIL ENGINEER SHALL PERFORM SUBGRADE INSPECTION AS PER NYS CODE CHAPTER 17 TO VERIFY THE FOLLOWING DESIGN CRITERIA:  
γ = 110 PCF, φ = 28°, μ = 0.50, q = 3000 PSF

**TYPICAL CONCRETE RETAINING WALL**  
N.T.S.



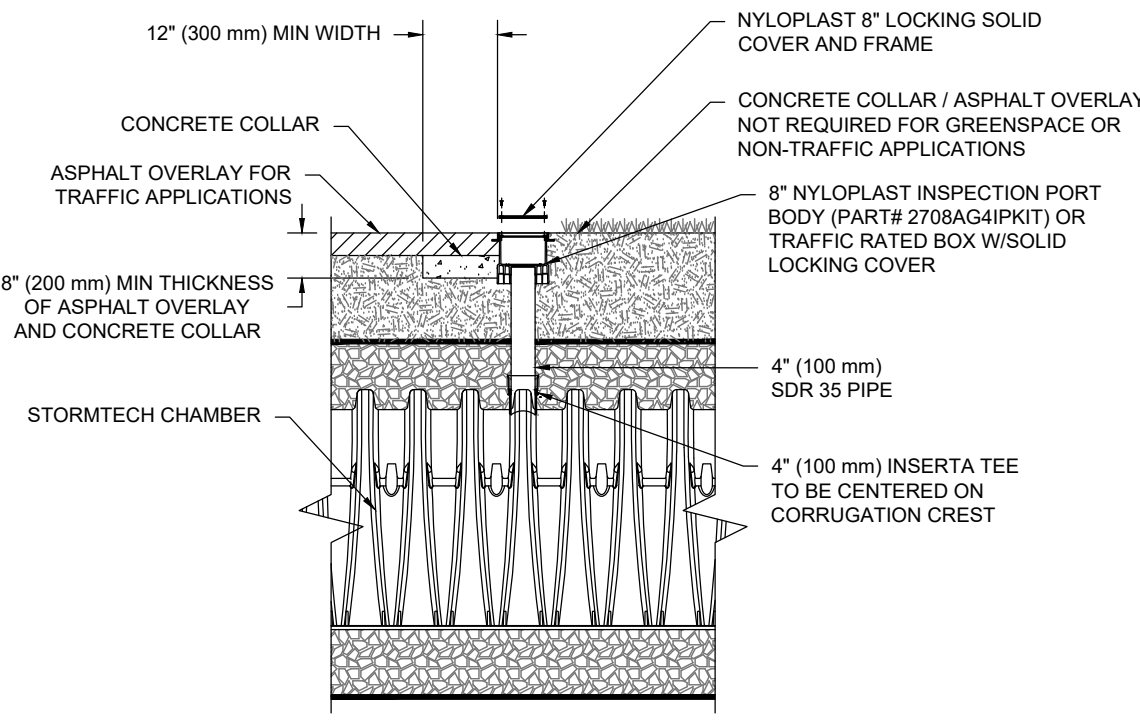
**SC-740 ISOLATOR ROW PLUS DETAIL**  
N.T.S.

**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT**
- INSPECTION POINTS (IF PRESENT)
    - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
    - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
    - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
    - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
    - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
  - ALL ISOLATOR PLUS ROWS
    - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
    - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - MIRRORS OR POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
    - 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 FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
  - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - 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**

- 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.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



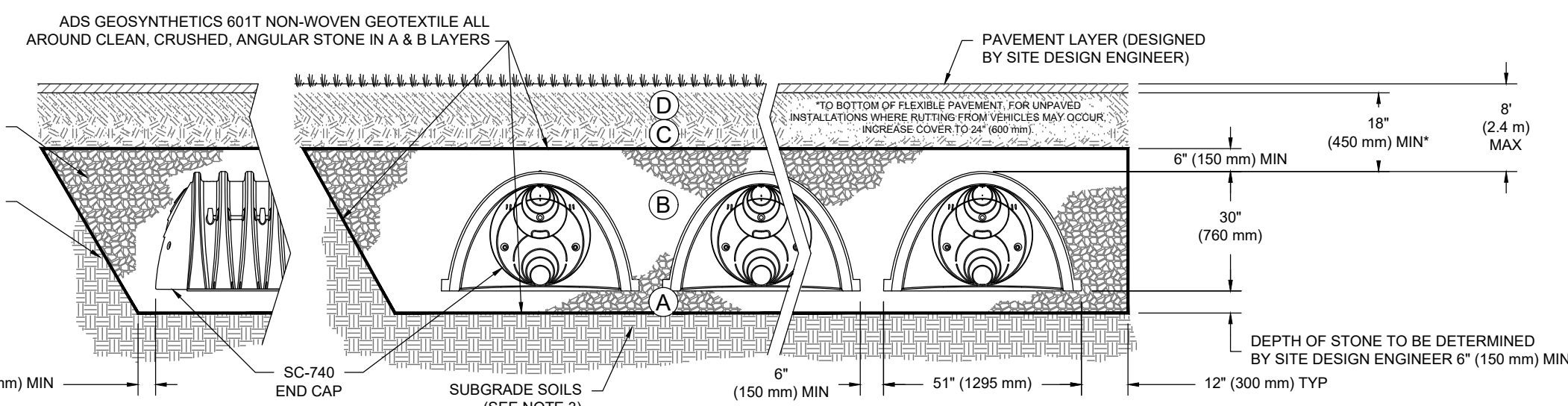
**4" PVC INSPECTION PORT DETAIL**  
(SC SERIES CHAMBER)  
N.T.S.

**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
<b>D</b>	<b>FINAL FILL:</b> 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.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
<b>C</b>	<b>INITIAL FILL:</b> FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 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. OR MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	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>B</b>	<b>EMBEDMENT STONE:</b> FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	NO COMPACTION REQUIRED.
<b>A</b>	<b>FOUNDATION STONE:</b> FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2,3</sup>

**PLEASE NOTE:**

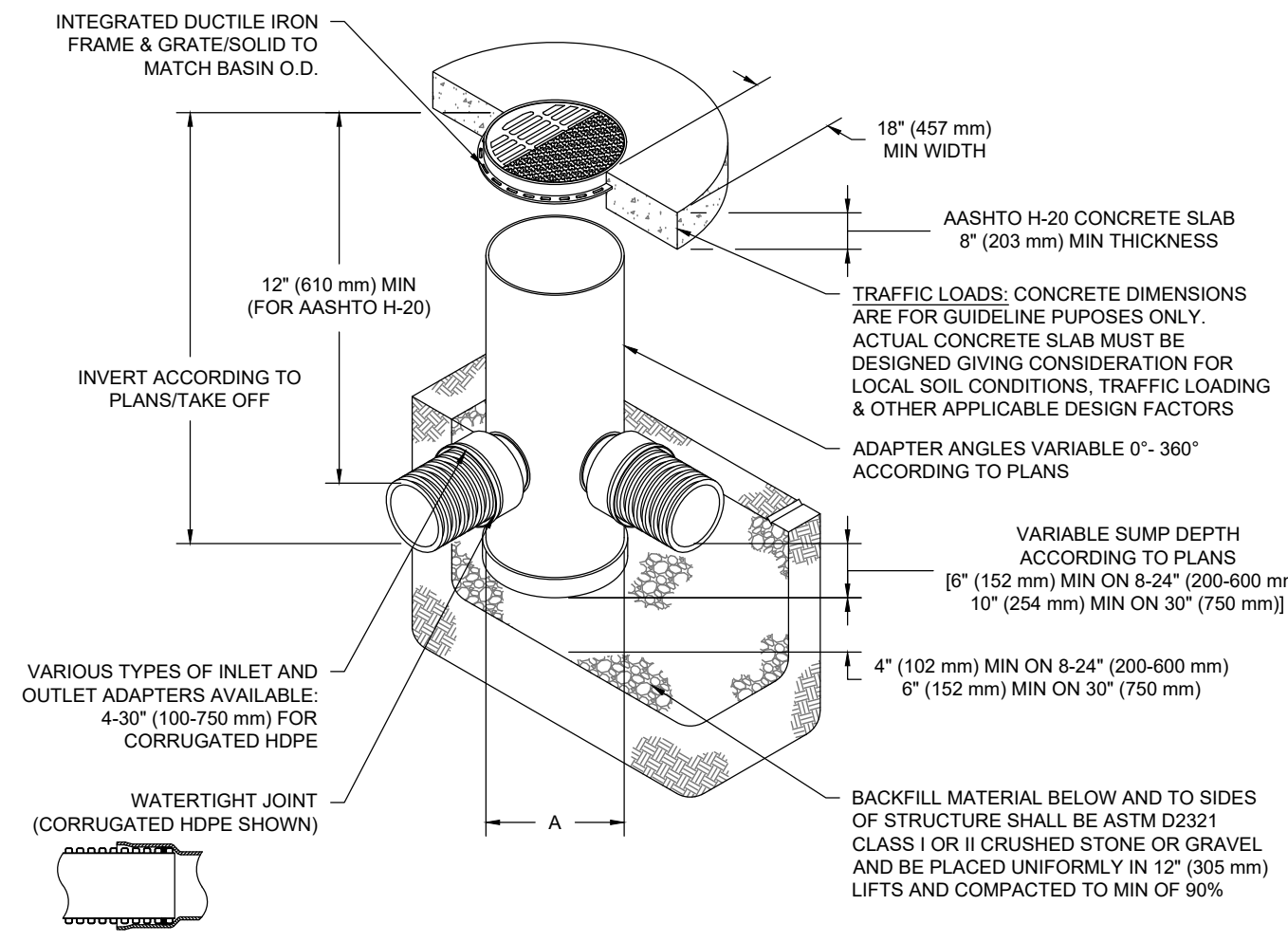
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR ALL LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- 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.
- 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.



**NOTES:**

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 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.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 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<sup>2</sup>. 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.

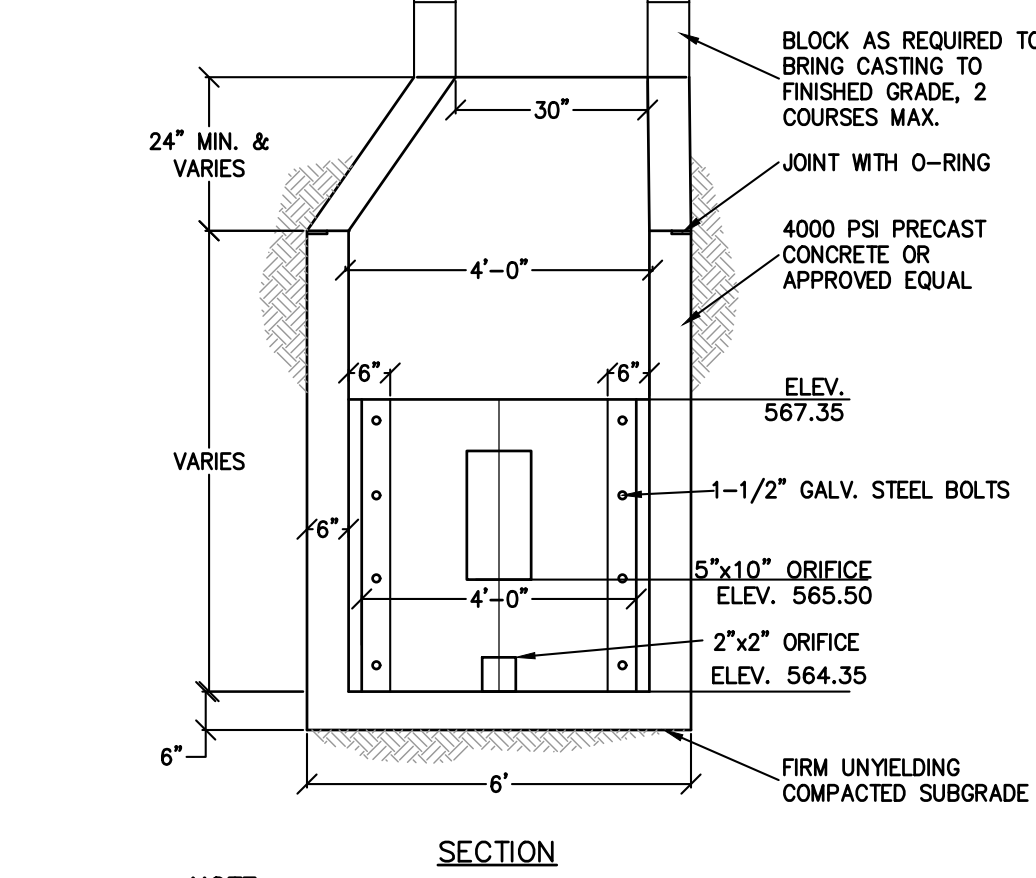
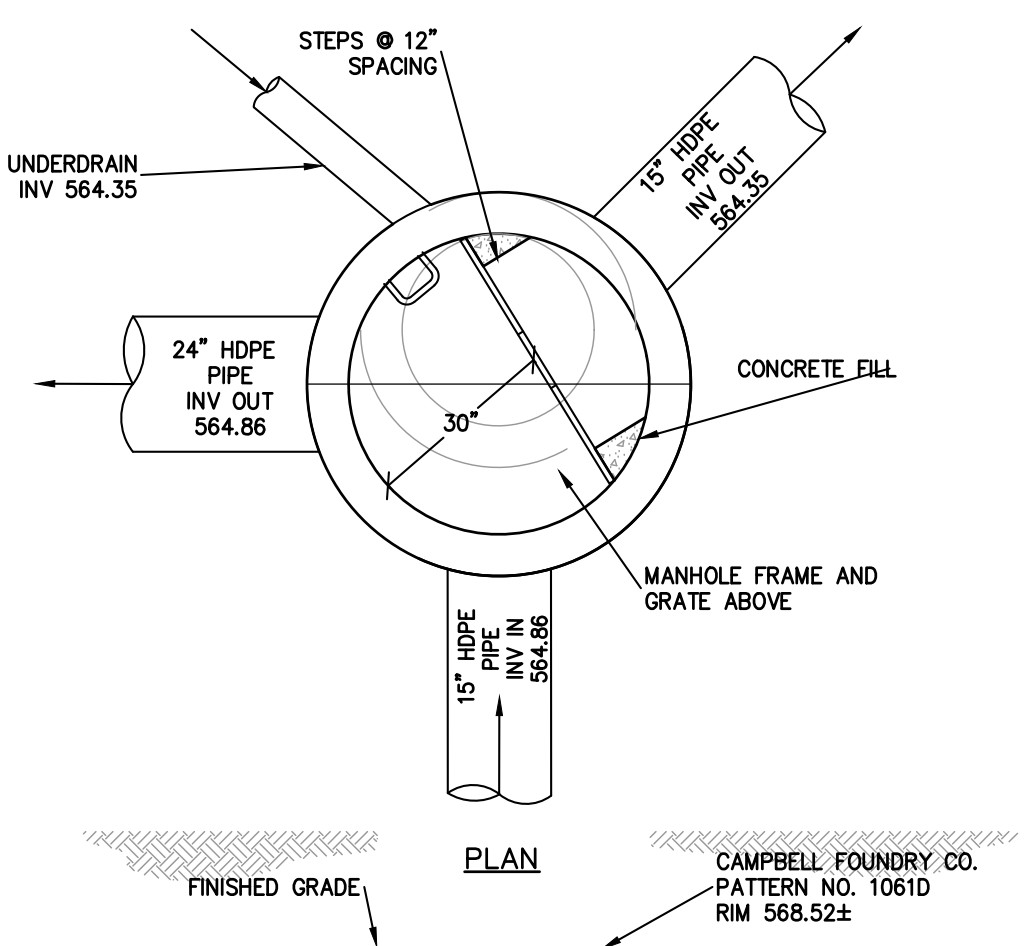
**NYLOPLAST DRAIN BASIN**  
N.T.S.



**NOTES**

- 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
- DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCON DUAL WALL) & SDR 35 PVC
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
- TO ORDER CALL: 800-821-6710

A	PART #	GRATE/SOLID COVER OPTIONS
8"	2808AG	PEDESTRIAN LIGHT DUTY
10"	2810AG	PEDESTRIAN LIGHT DUTY
12"	2812AG	PEDESTRIAN AASHTO H-10
15"	2815AG	PEDESTRIAN AASHTO H-10
18"	2818AG	PEDESTRIAN AASHTO H-10
24"	2824AG	PEDESTRIAN AASHTO H-10
30"	2830AG	PEDESTRIAN AASHTO H-20



**OUTLET CONTROL STRUCTURE #1 DETAIL**  
N.T.S.

REV DESCRIPTION BY DATE

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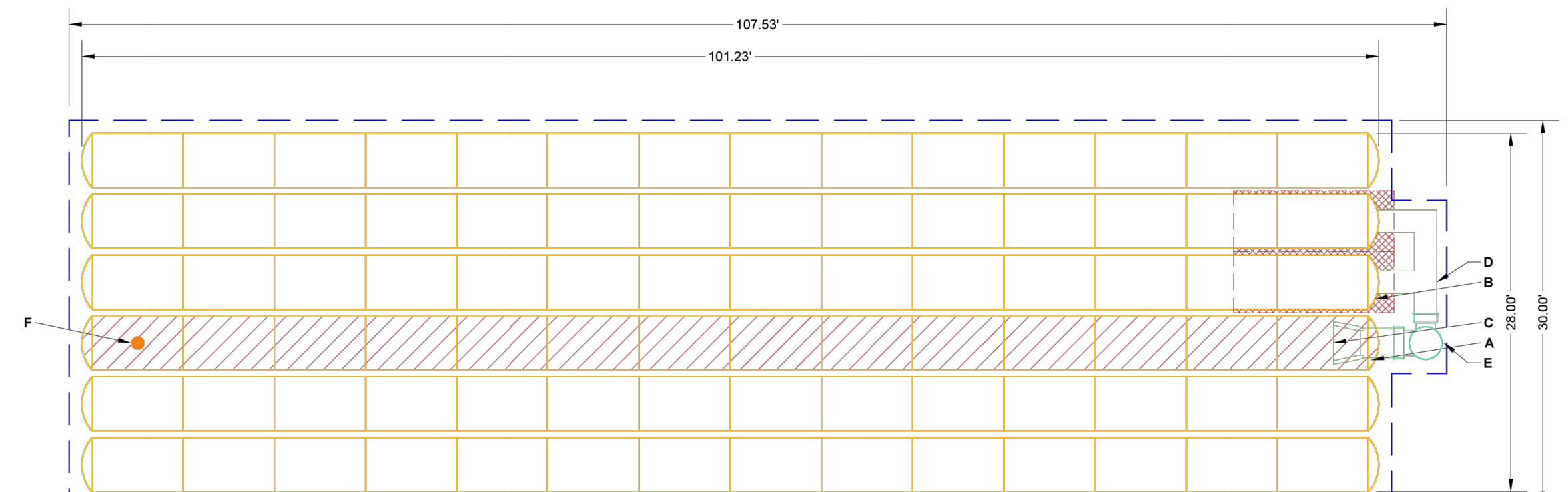
PROJECT: **DENTON ACRES**  
VILLAGE OF NEW HEMPSTEAD  
ROCKLAND COUNTY  
NEW YORK

TITLE: **CONSTRUCTION DETAILS (2 OF 3)**

PROJECT NO: 55257 DRAWN: DS CHECKED: MT  
SCALE:  
GRAPHIC SCALE:  
DATE: 09/25/2023 DRAWING NO: 10

BRIAN A. BROOKER,  
PROFESSIONAL ENGINEER  
N.Y.S. Lic. No. 60229

PROPOSED LAYOUT		PROPOSED ELEVATIONS:				*INVERT ABOVE BASE OF CHAMBER	
84	STORMTECH SC-740 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)	575.35	PART TYPE	ITEM ON LAYOUT	DESCRIPTION	
12	STORMTECH SC-740 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)	569.35				
6	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)	568.85	A	24" BOTTOM PREFABRICATED EZ END CAP: PART# SC740ECEZ / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS		0.10'
6	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT)	568.85	B	18" TOP PREFABRICATED END CAP: PART# SC740EPE18T / TYP OF ALL 18" TOP CONNECTIONS		5.00'
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)	568.85	C	INSTALL FLAMP ON 24" ACCESS PIPE / PART# SC74024RAMP		
	INSTALLED SYSTEM VOLUME (CF)	TOP OF STONE	567.85	D	18" x 18" TOP MANIFOLD, ADS N-12		
	(PERIMETER STONE INCLUDED)	TOP OF SC-740 CHAMBER	567.35	E	30" DIAMETER (24.00" SUMP MIN)		5.6 CFS IN
6733	(COVER STONE INCLUDED)	18" x 18" TOP MANIFOLD INVERT	565.27	F	4" SEE DETAIL		
	BASE STONE INCLUDED	24" ISOLATOR ROW PLUS INVERT	564.86				
3154	SYSTEM AREA (SF)	BOTTOM OF SC-740 CHAMBER	564.35				
275.1	SYSTEM PERIMETER (ft)	BOTTOM OF STONE	564.35				



- ISOLATOR ROW PLUS (SEE DETAIL)
- PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS
- BED LIMITS

**NOTES**

- 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.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSTU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

**StormTech**  
Chamber System

888-892-2884 | WWW.STORMTECH.COM

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ROCKLAND, NY 10956  
1-800-732-7473

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SHEET  
2 OF 6

DENTON ACRES

RAMAPO, NY, USA

DATE: \_\_\_\_\_ DRAWN: DS

PROJECT # \_\_\_\_\_ CHECKED: N/A

DESCRIPTION \_\_\_\_\_ DATE: DRWL: CHK \_\_\_\_\_

DESIGNER \_\_\_\_\_

REV	DESCRIPTION	BY	DATE

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DETAILS (3 OF 3)**

**BRIAN A. BROOKER**  
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PROJECT NO: 55257    DRAWN: DS    CHECKED: MT

SCALE: \_\_\_\_\_

GRAPHIC SCALE: \_\_\_\_\_

DATE: 09/25/2023    DRAWING NO: 11