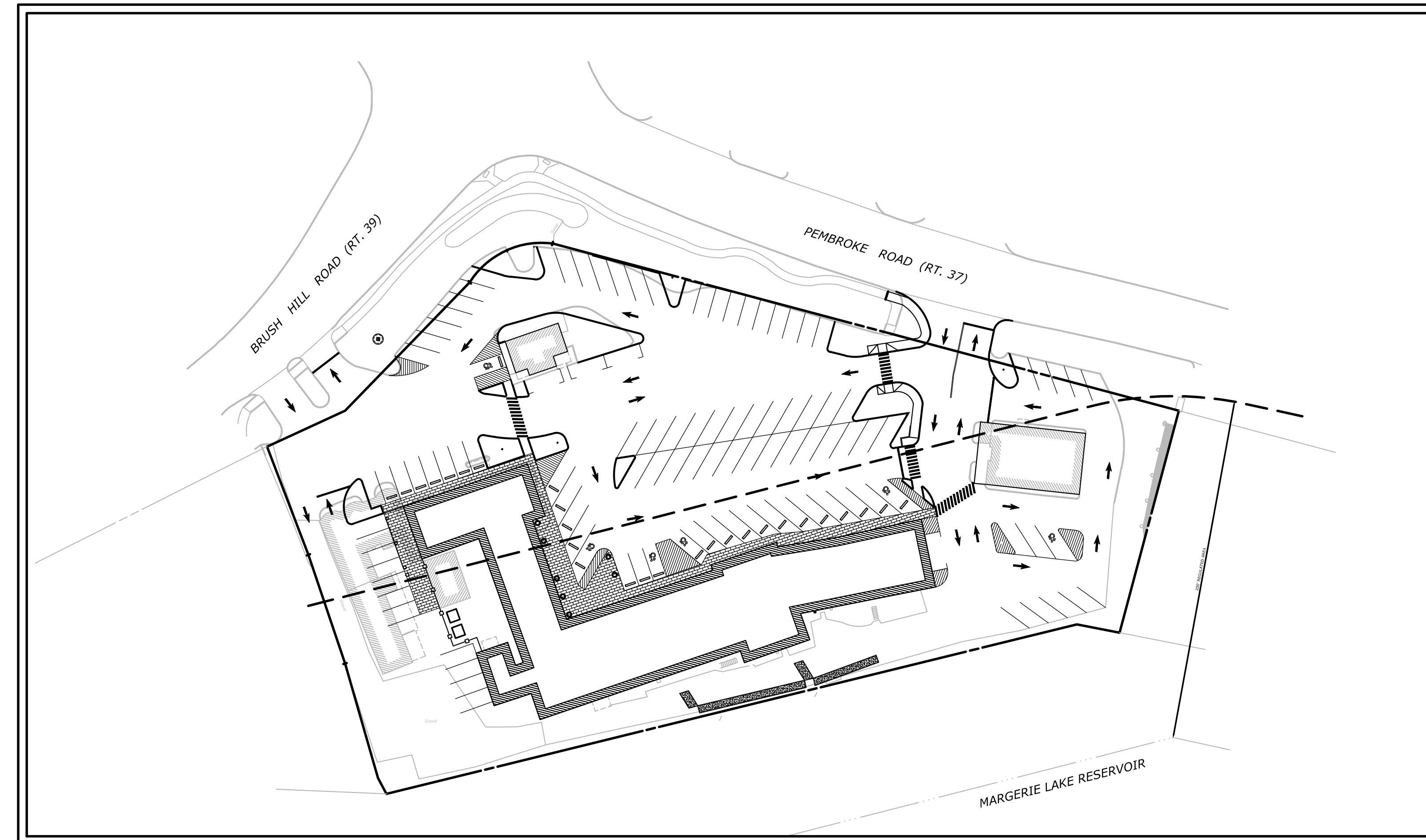


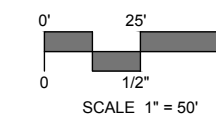
# NEW FAIRFIELD SHOPPING CENTER PROPOSED SITE IMPROVEMENTS

1 BRUSH HILL ROAD  
NEW FAIRFIELD, CONNECTICUT

7047-01  
APRIL 9, 2021  
REVISED APRIL 28, 2021  
REVISED SEPTEMBER 1, 2021  
REVISED SEPTEMBER 13, 2021



PROJECT SITE VICINITY MAP:



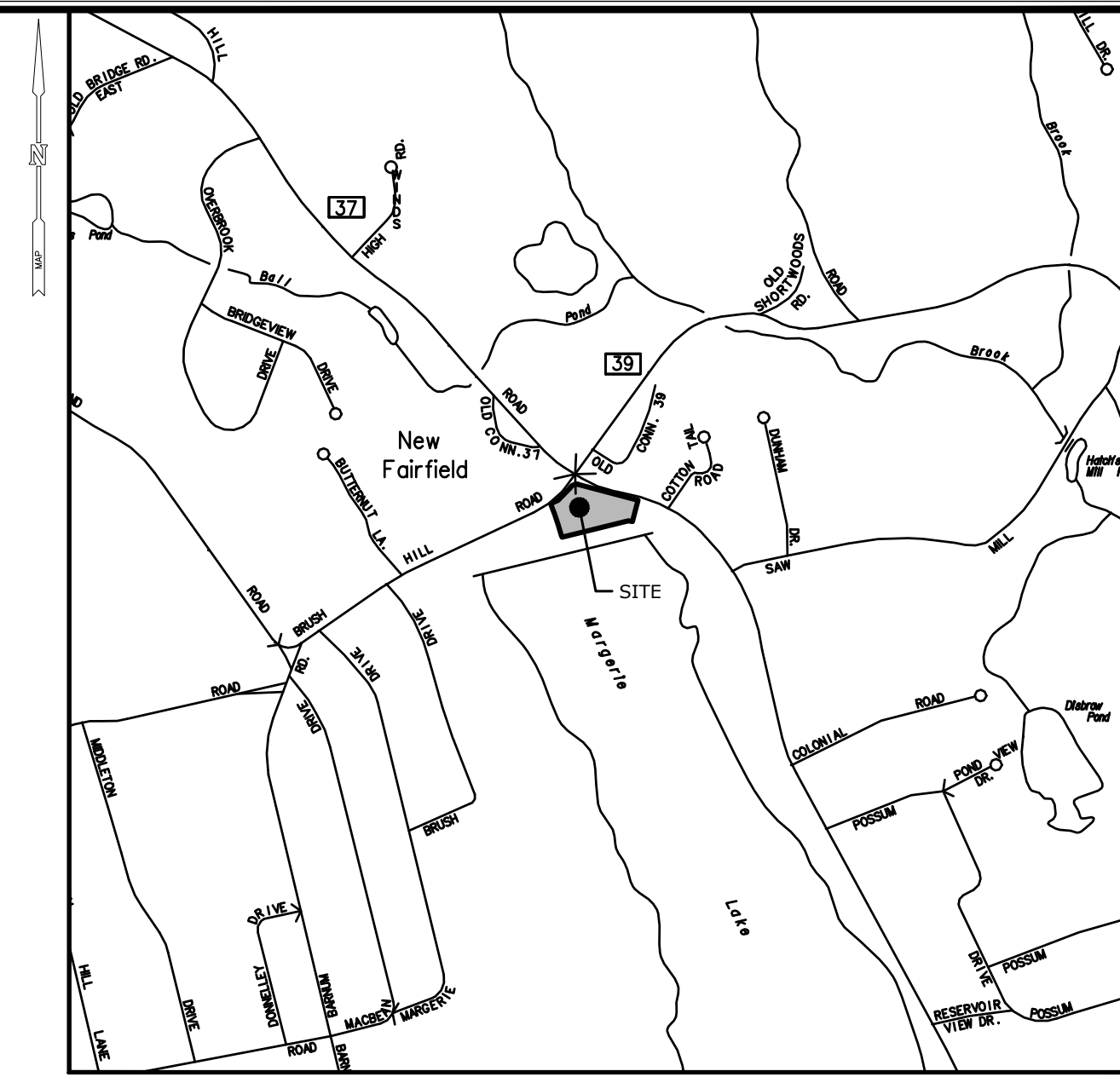
PREPARED FOR:

NORTHLAND RETAIL ASSOCIATES, LLC  
SOUND EQUITY HOLDINGS I, LLC

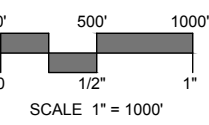
PREPARED BY:

**SLR**

99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM



LOCATION MAP:



**GENERAL NOTES**

- PROPERTY AND TOPOGRAPHIC INFORMATION TAKEN FROM CLASS A-2/T-2 SURVEY TITLED: "PROPERTY/TOPOGRAPHY SURVEY, PREPARED FOR: NEW FAIRFIELD SHOPPING CENTER, 1 BRUSH HILL ROAD, NEW FAIRFIELD, CONNECTICUT", SCALE: 1"=20', DATED: NOVEMBER 13, 2020, PREPARED BY: MILONE & MACBROOM, INC.
- NORTH ARROW, BEARINGS AND COORDINATES ARE ASSUMED. ELEVATIONS, CONTOURS AND BENCH MARK ARE BASED UPON (NAVD 1988)
- INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. CALL "CALL BEFORE YOU DIG", 1-800-922-4455. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION, MEANS OF CONSTRUCTION, AND SIZE OF ELECTRIC, TELEPHONE, AND CABLE TELEVISION ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2002", AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
- ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL, AND BE SEEDED WITH GRASS, AS SHOWN ON THE PLANS.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF NEW FAIRFIELD REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 818 AND ADDENDUMS.
- THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.
- ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS USED DURING CONSTRUCTION SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
- COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.

**EROSION CONTROL NOTES  
CONTRACTOR RESPONSIBILITIES**

- SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER. A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.
- THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MODIFIED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AND THE TOWN'S DESIGNATED REPRESENTATIVE AS NECESSITATED BY CHANGING SITE CONDITIONS.
- INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE FOR A PERIOD OF THREE MONTHS AFTER COMPLETION WHEN RAINFALLS OF ONE INCH OR MORE OCCUR.
- ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
- THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
- A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL CATCH BASIN SUMPS SHOULD BE INSPECTED AFTER CONSTRUCTION COMPLETION AND SEDIMENT REMOVED. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED LOCATION.

**LEGEND**

EXISTING		PROPOSED
—	STREET LINE	—
—	PROPERTY LINE	—
- - -	SETBACK LINE	- - -
- - -	MAJOR CONTOUR	100
- - -	MINOR CONTOUR	98
•	SPOT GRADE	+ 70.5
—	TREE LINE	—
☀	TREE/ SHRUB	☀
—	STONEWALL	—
☀	SITE LIGHT	☀
☀	HYDRANT	☀
WV	WATER VALVE	WV
GV	GAS VALVE	GV
□	CATCH BASIN	□
○	MANHOLE/YARD DRAIN	○
—	SANITARY SEWER W/MANHOLE	—
—	STORM DRAIN	—
—	WATER MAIN	—
—	GAS MAIN	—
—	ELECTRIC LINE	—
—	ELECTRIC, TELEPHONE, CABLE	—
—	UTILITY POLE	—
—	TRAFFIC SIGN	—
○	IRON PIPE	○
□	MONUMENT	□
—	EDGE OF PAVEMENT W/CURB	—
—	GUARD RAIL	—
—	CHAIN LINK FENCE	—
—	WATERCOURSE	—
—	WETLAND	—

**LIST OF DRAWINGS**

No.	Name	Title
1	TITLE	TITLE SHEET
2	EX	EXISTING CONDITIONS PLAN
3	RP	REMOVALS PLAN
4	SP	SITE PLAN
5	SE	SEDIMENT AND EROSION CONTROL SPECIFICATIONS AND DETAILS
6	SD-1	SITE DETAILS
7	SD-2	SITE DETAILS
8	SD-3	SITE DETAILS
1 OF 1		PROPERTY/TOPOGRAPHIC SURVEY

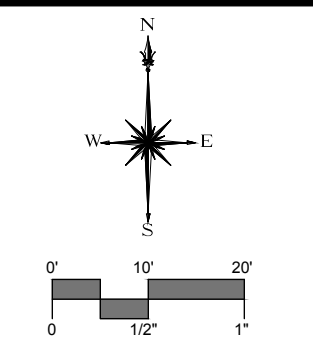
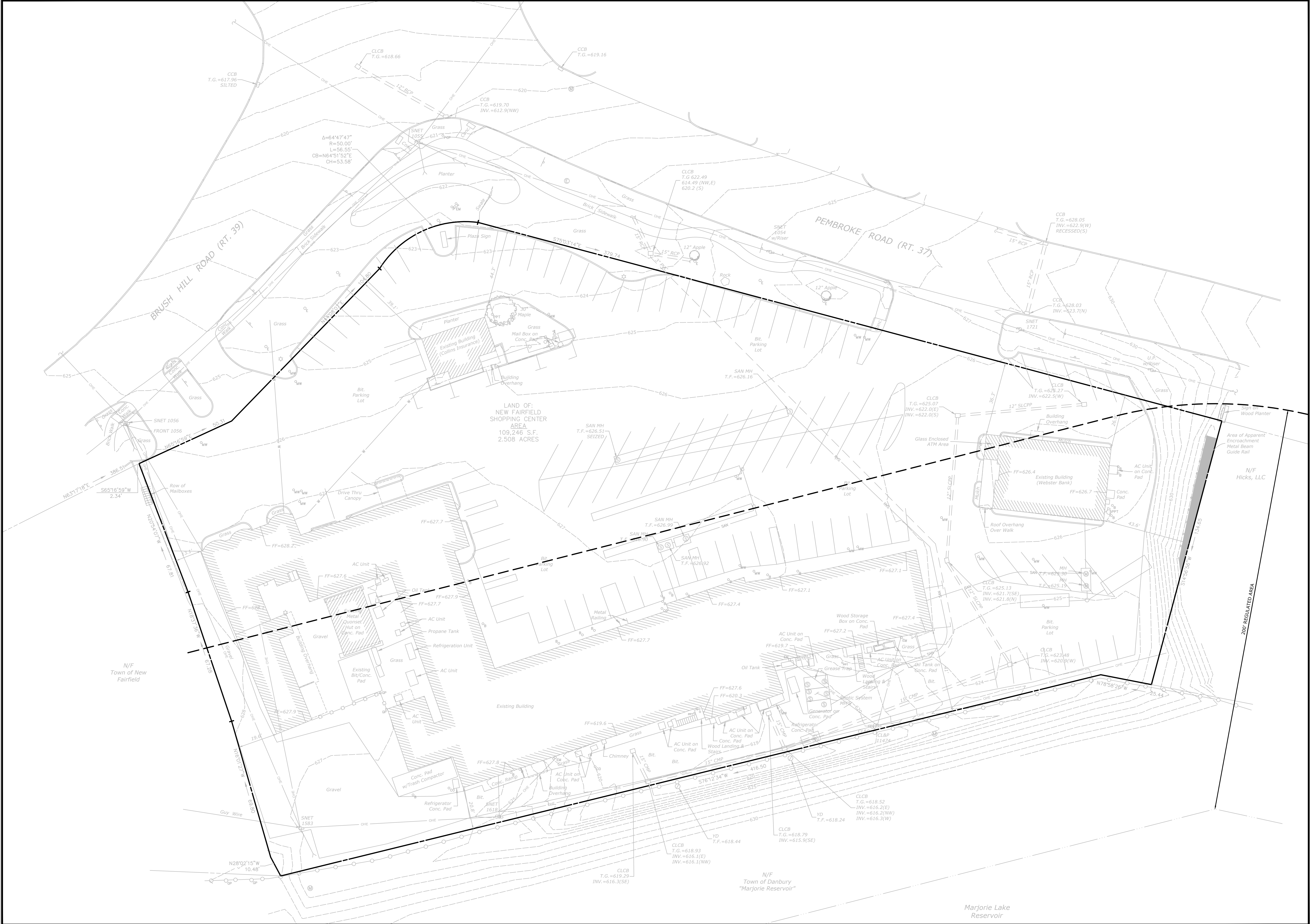


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 203.271.1773  
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DESCRIPTION	DATE	BY
ZONING SUBMISSION	04/28/2021	TDR

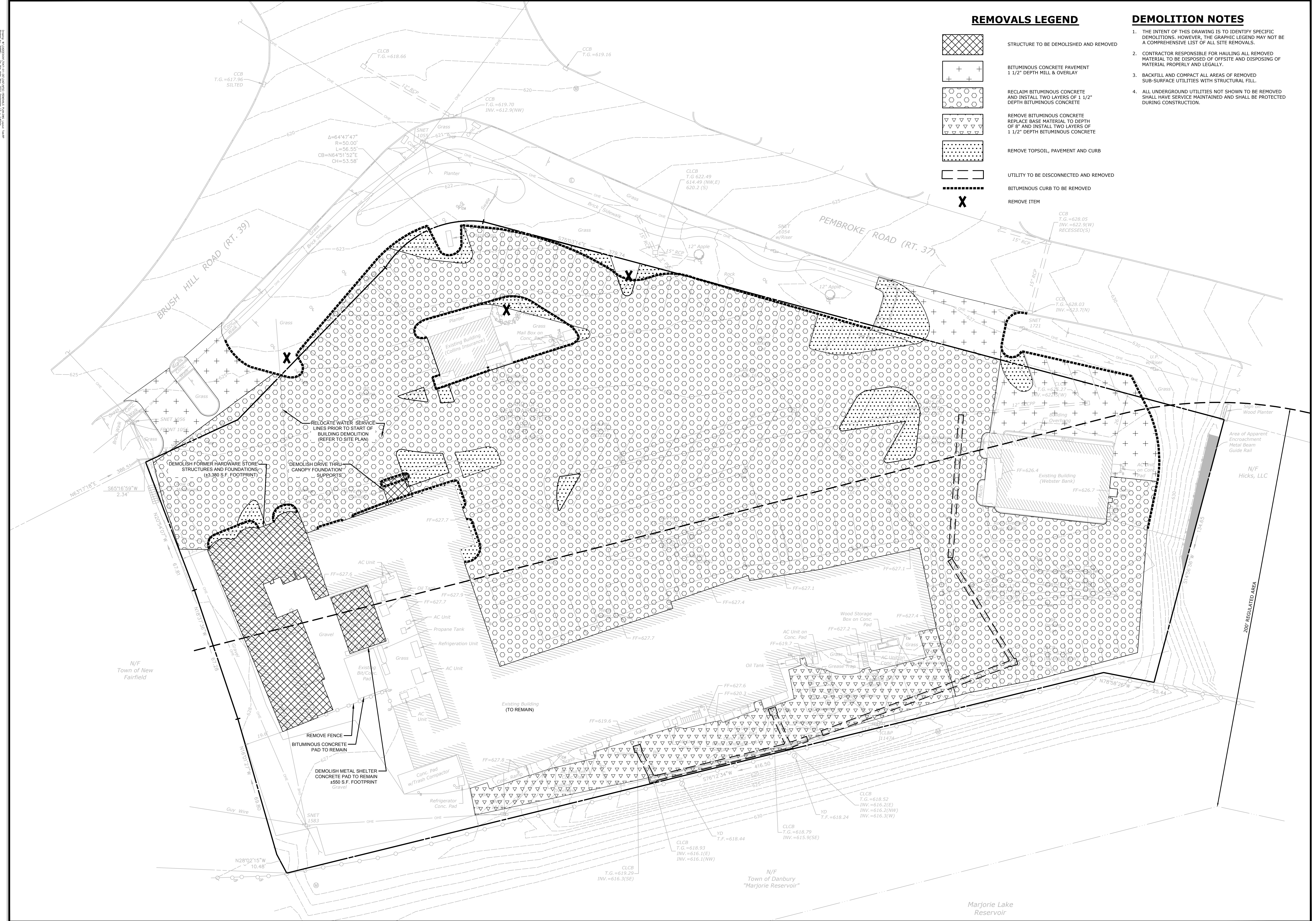
**EXISTING CONDITIONS PLAN**  
**NEW FAIRFIELD SHOPPING CENTER**  
**PROPOSED SITE IMPROVEMENTS**  
 1 BRUSH HILL ROAD  
 NEW FAIRFIELD, CONNECTICUT

TR	TR	RE
DESIGNED	DRAWN	CHECKED



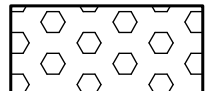
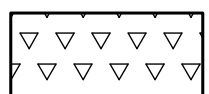
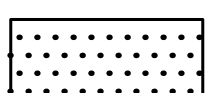
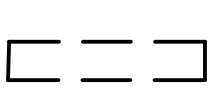


SCALE: 1"=20'  
 DATE: APRIL 9, 2021  
 PROJECT NO.: 7047-01

EX



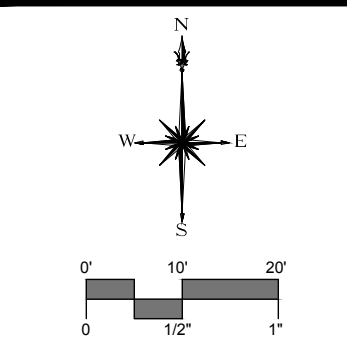


**REMOVALS LEGEND**

-  STRUCTURE TO BE DEMOLISHED AND REMOVED
-  BITUMINOUS CONCRETE PAVEMENT 1 1/2" DEPTH MILL & OVERLAY
-  RECLAIM BITUMINOUS CONCRETE AND INSTALL TWO LAYERS OF 1 1/2" DEPTH BITUMINOUS CONCRETE
-  REMOVE BITUMINOUS CONCRETE REPLACE BASE MATERIAL TO DEPTH OF 8" AND INSTALL TWO LAYERS OF 1 1/2" DEPTH BITUMINOUS CONCRETE
-  REMOVE TOPSOIL, PAVEMENT AND CURB
-  UTILITY TO BE DISCONNECTED AND REMOVED
-  BITUMINOUS CURB TO BE REMOVED
-  REMOVE ITEM

**DEMOLITION NOTES**

1. THE INTENT OF THIS DRAWING IS TO IDENTIFY SPECIFIC DEMOLITIONS. HOWEVER, THE GRAPHIC LEGEND MAY NOT BE A COMPREHENSIVE LIST OF ALL SITE REMOVALS.
2. CONTRACTOR RESPONSIBLE FOR HAULING ALL REMOVED MATERIAL TO BE DISPOSED OF OFFSITE AND DISPOSING OF MATERIAL PROPERLY AND LEGALLY.
3. BACKFILL AND COMPACT ALL AREAS OF REMOVED SUB-SURFACE UTILITIES WITH STRUCTURAL FILL.
4. ALL UNDERGROUND UTILITIES NOT SHOWN TO BE REMOVED SHALL HAVE SERVICE MAINTAINED AND SHALL BE PROTECTED DURING CONSTRUCTION.



**MILONE & MACBROOM**  
 NOW PART OF **SLR**  
 88 REARBY DRIVE  
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 203.271.1173  
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DESCRIPTION	DATE	BY	TDR
ZONING SUBMISSION	04/28/2021	TDR	
TOWN ENGINEER COMMENTS	09/13/2021	TDR	

**REMOVALS PLAN**  
**NEW FAIRFIELD SHOPPING CENTER**  
**PROPOSED SITE IMPROVEMENTS**  
 1 BRUSH HILL ROAD  
 NEW FAIRFIELD, CONNECTICUT

TR	TR	TH
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: APRIL 9, 2021

PROJECT NO.: 7047-01

SHEET NAME: **RP**



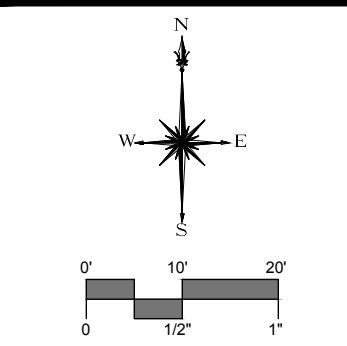
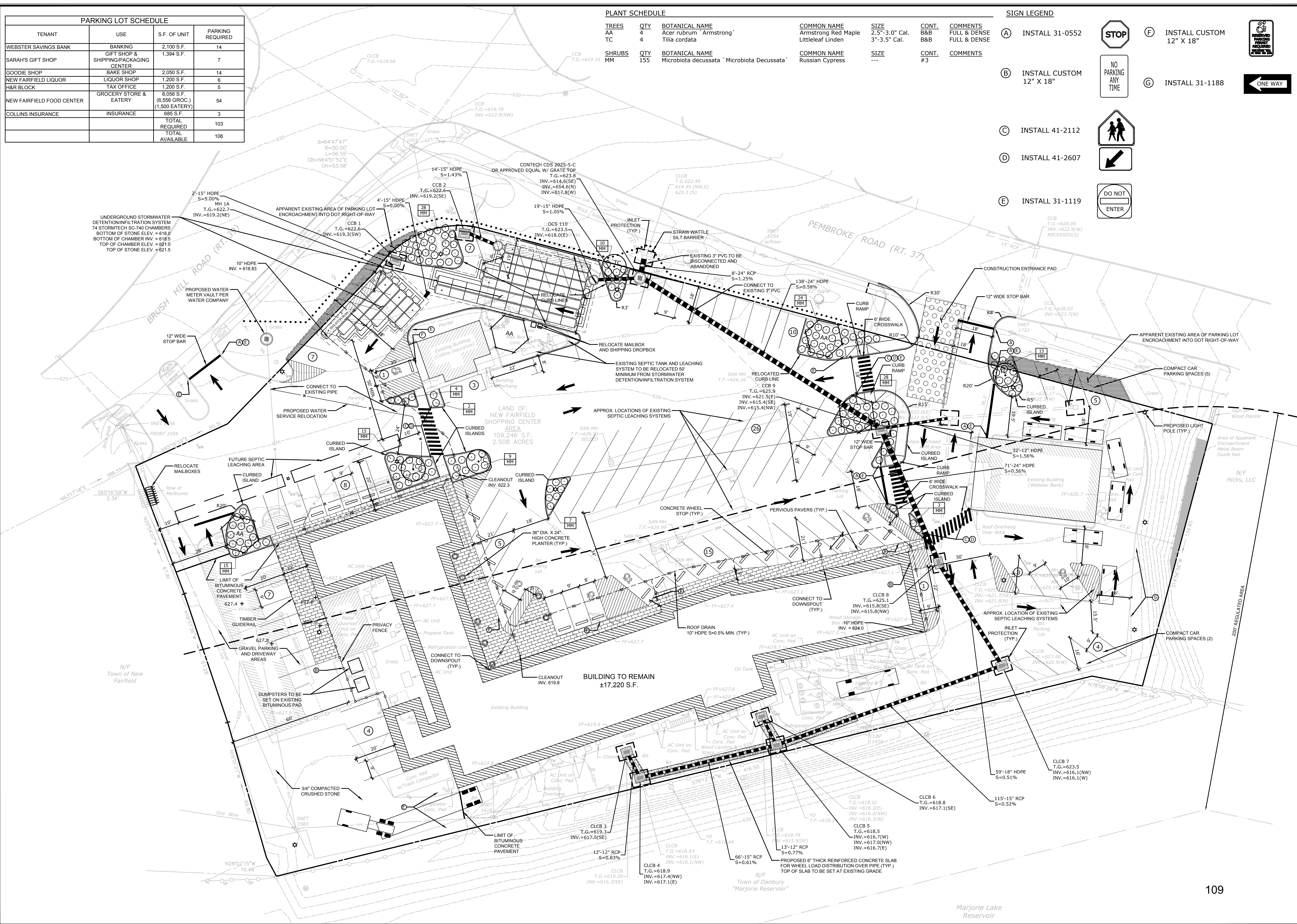
PARKING LOT SCHEDULE			
TENANT	USE	S.F. OF UNIT	PARKING REQUIRED
WEBSTER SAVINGS BANK	BANKING	2,100 S.F.	14
SARAH'S GIFT SHOP	GIFT SHOP & SHIPPING/PACKAGING CENTER	1,394 S.F.	7
GOODIE SHOP	BAKE SHOP	2,050 S.F.	14
NEW FAIRFIELD LIQUOR	LIQUOR SHOP	1,200 S.F.	6
H&R BLOCK	TAX OFFICE	1,200 S.F.	5
NEW FAIRFIELD FOOD CENTER	GROCERY STORE & EATERY (6,556 GROC.) (1,500 EATERY)	8,056 S.F.	54
COLLINS INSURANCE	INSURANCE	685 S.F.	3
	TOTAL REQUIRED		103
	TOTAL AVAILABLE		106

**PLANT SCHEDULE**

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS
AA	4	Acer rubrum 'Armstrong'	Armstrong Red Maple	2.5"-3.0" Cal.	B&B	FULL & DENSE
TC	4	Tilia cordata	Littleleaf Linden	3"-3.5" Cal.	B&B	FULL & DENSE
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS
MM	155	Microbiota decussata 'Microbiota Decussata'	Russian Cypress	---	#3	

**SIGN LEGEND**

- (A) INSTALL 31-0552
  - (B) INSTALL CUSTOM 12" X 18"
  - (C) INSTALL 41-2112
  - (D) INSTALL 41-2607
  - (E) INSTALL 31-1119
  - (F) INSTALL CUSTOM 12" X 18"
  - (G) INSTALL 31-1188
- 



DESCRIPTION	DATE	BY
TOWN ENGINEER COMMENTS	9/12/2021	TDR
TOWN ENGINEER COMMENTS	9/9/2021	TDR
TOWN ENGINEER COMMENTS	9/13/2021	TDR

**SITE PLAN**  
**NEW FAIRFIELD SHOPPING CENTER**  
**PROPOSED SITE IMPROVEMENTS**  
 1 BRUSH HILL ROAD  
 NEW FAIRFIELD, CONNECTICUT

TR	TR	TH
DESIGNED	DRAWN	CHECKED
SCALE: 1"=20'		
DATE: AUGUST 23, 2021		
PROJECT NO: 7047-01		
SHEET NAME: SP		



**SEDIMENT AND EROSION CONTROL SPECIFICATIONS**

GENERAL:  
 THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT. IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

**LAND GRADING**

- GENERAL:
- THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
    - THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
    - THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
    - THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
    - PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
    - EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.
    - NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.
    - PRIOR TO ANY REGRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

**TOPSOILING**

- GENERAL:
- TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.
  - UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
  - REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.

**MATERIAL:**

- TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
- TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
- TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF LARGE STONES, LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, NUTGRASS, AND QUACKGRASS.
- AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
- SOLUBLE SALT CONTENT OF LESS THAN 400 PPM IS REQUIRED.
- THE TOPSOIL SHALL BE WARRANTED BY SELLER TO BE FREE OF DETECTABLE RESIDUES OF CHEMICAL PESTICIDES, HERBICIDES, PETROLEUM PRODUCTS, OR OTHER UNSUITABLE TOXINS.

**APPLICATION:**

- AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
- SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR INCHES (4"), OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

**TEMPORARY VEGETATIVE COVER**

TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEEDED BY SEPTEMBER 1.

**GENERAL:**

- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
- APPLY SOIL AMENDMENTS AS FOLLOWS:  
 ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE  
 UNLESS HYDROSEEDED, WORK IN LIME TO A DEPTH OF 4 INCHES WITH A DISK OR ANY SUITABLE EQUIPMENT. DO NOT WORK FINISHED COMPOST INTO THE SOIL - APPLY IT EVENLY TO SOIL SURFACE AS A SEED BED.  
 TLLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

**SITE PREPARATION:**

- SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING)
- APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
- UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
- MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW.) APPLY STRAW AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE NEEDED.

**PERMANENT VEGETATIVE COVER**

**GENERAL:**

PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF, AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.

**SITE PREPARATION:**

- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
- PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
- APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
- APPLY SOIL AMENDMENTS AS FOLLOWS:  
 LIME: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE.  
 ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE  
 UNLESS HYDROSEEDED, WORK IN LIME TO A DEPTH OF 4 INCHES WITH A DISK OR ANY SUITABLE EQUIPMENT. DO NOT WORK FINISHED COMPOST

**VEGETATED COVER SELECTION AND MULCHING**

**TEMPORARY VEGETATIVE COVER:**

PERENNIAL RYEGRASS 5 LBS./1,000 SQ.FT. (LOLIUM PERENNE)  
 DUTCH WHITE CLOVER (TRIFOLIUM REPENS) 1/4 LBS PER 1000 SF. OR 6LBS/AC.

**\* PERMANENT VEGETATIVE COVER:**

DUTCH WHITE CLOVER 30%  
 BARON KENTUCKY BLUEGRASS 30%  
 JAMESTOWN II CHEWINGS FESCUE 20%  
 PALMER PERENNIAL RYEGRASS 20%

\* LOFTS - "TRIPLEX GENERAL" MIX OR APPROVED EQUAL. RECOMMENDED RATE/TIME SEEDING.  
 SPRING SEEDING: 4/1 to 5/31  
 FALL SEEDING: 8/16 to 10/15

**TEMPORARY MULCHING:**

STRAY 70-90 LBS./1,000 SQ.FT. (TEMPORARY VEGETATIVE AREAS) WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

**ESTABLISHMENT:**

- SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
- SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. BELOW).
- APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
- COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
- MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
- USE PROPER INOCULANT ON ALL LEGUME SEEDLINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
- USE SOD WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IN CRITICAL AREAS WHERE IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT EROSION.

**EROSION CHECKS**

**GENERAL:**

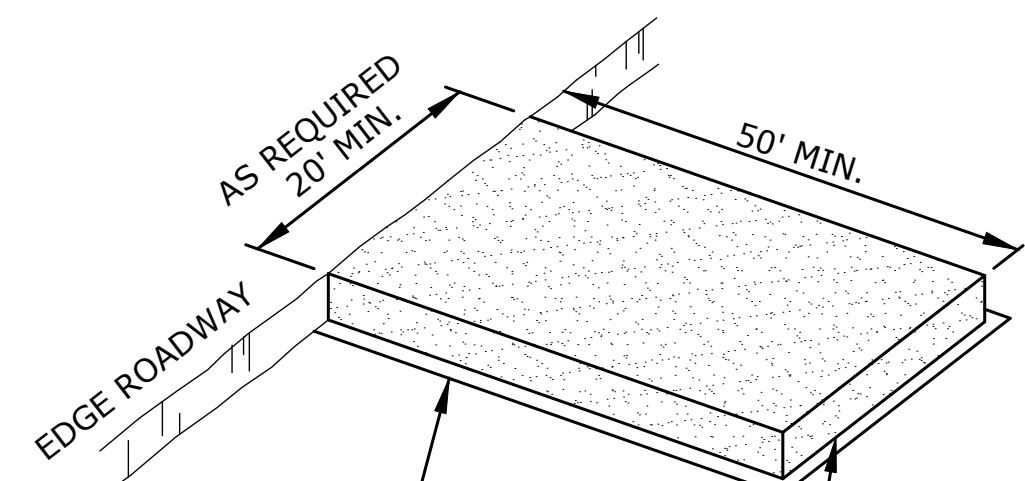
- TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

**CONSTRUCTION:**

- BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

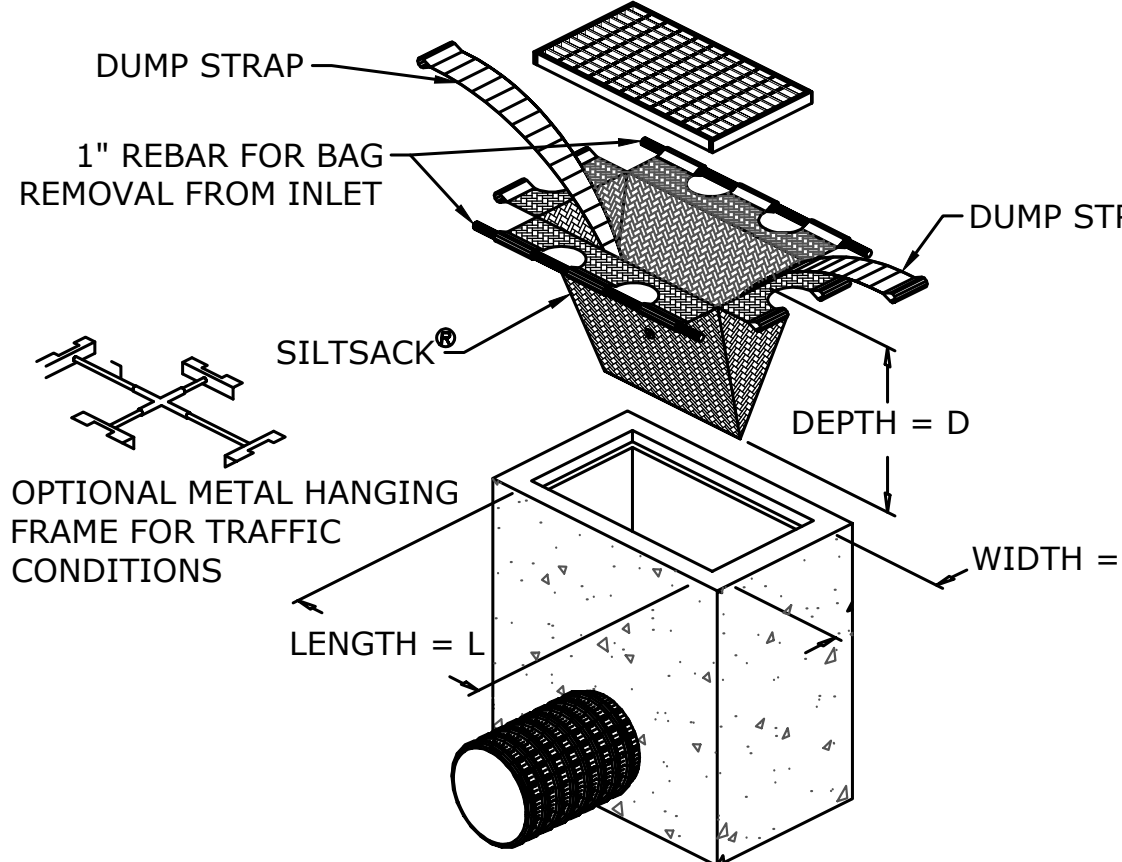
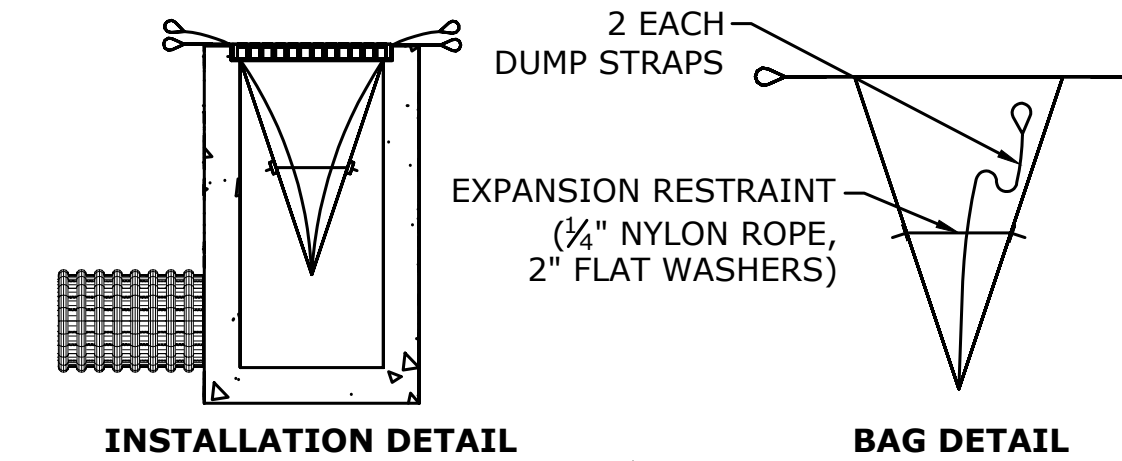
**INSTALLATION AND MAINTENANCE:**

- BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
- BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DETERMINED APPROPRIATE DURING CONSTRUCTION.
- ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
- INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORMWATER FLOW OR DRAINAGE.

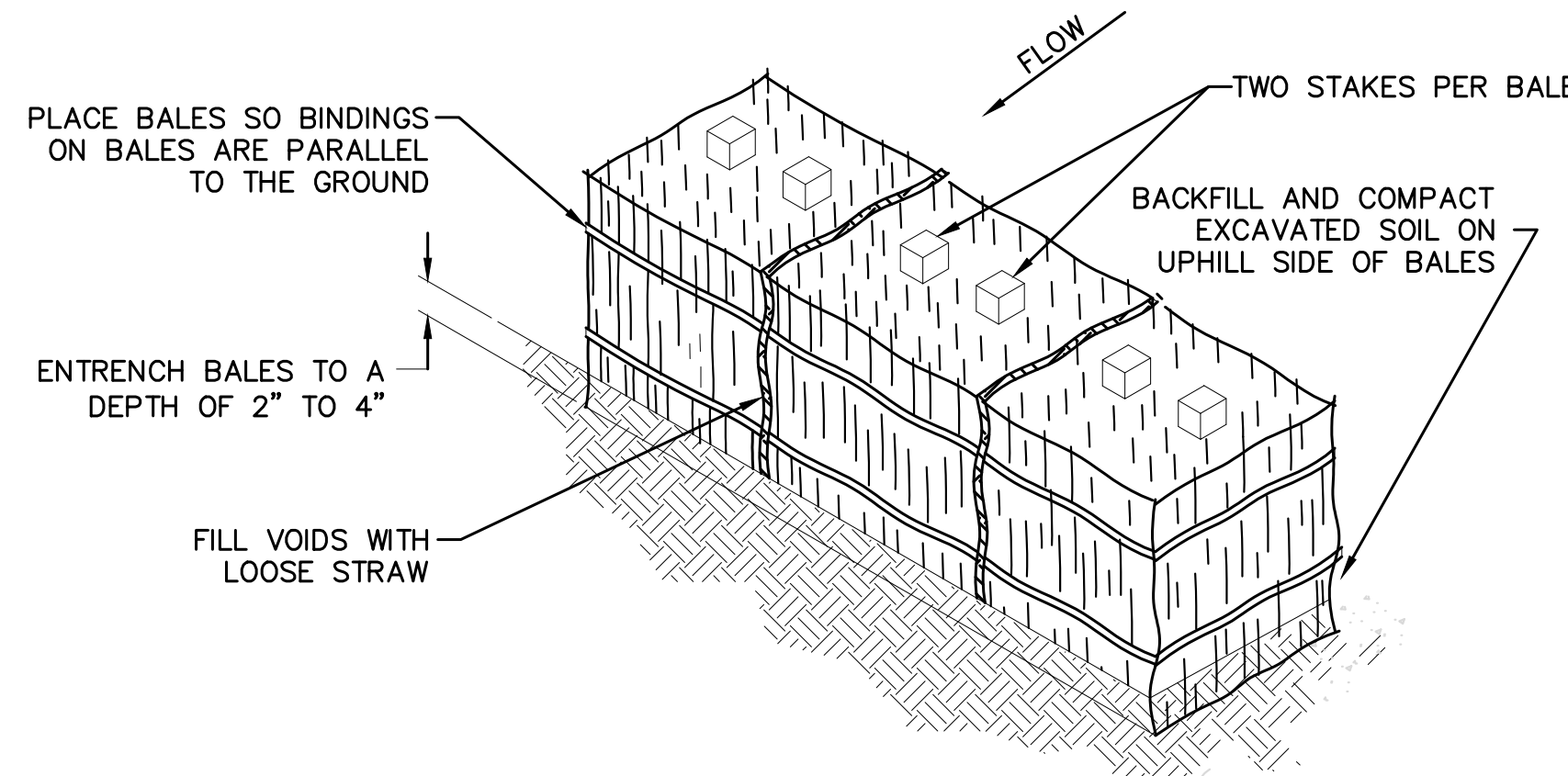


NOTE:  
 1. CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD

**CONSTRUCTION ENTRANCE PAD**  
 NOT TO SCALE

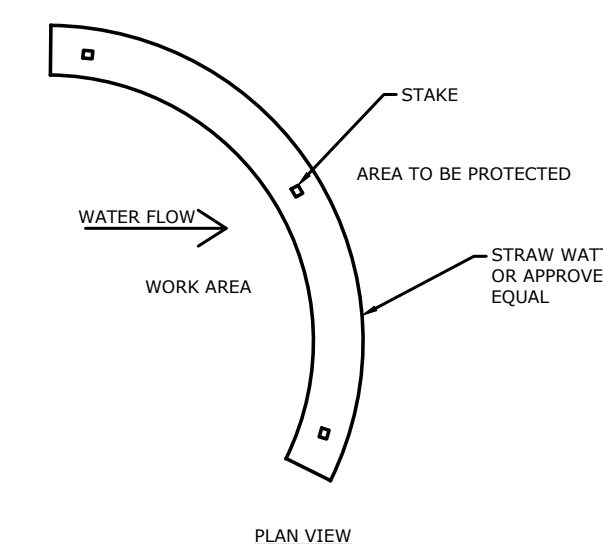
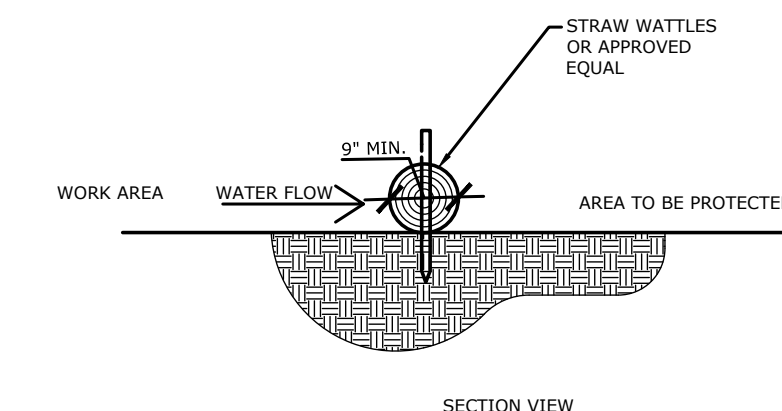


**INLET PROTECTION**  
 NOT TO SCALE



**STAKED HAY BALES**  
 NOT TO SCALE

- IDEALLY, BALES SHOULD BE ENTRENCHED 2 TO 4 INCHES AND TIGHTLY BUTTED TOGETHER. BALES CAN BE SUCCESSFULLY PLACED WITHOUT A TRENCH IF GOOD GROUND CONTACT IS MADE. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE STRAW.
- BALES SHALL BE ONLY USED AS A TEMPORARY BARRIER AND FOR NO LONGER THAN 60 DAYS.
- WHEN SEDIMENTATION DEPOSITS REACH WITHIN 3" OF THE TOP OF BALES, REMOVE SEDIMENTATION OR ADD ADDITIONAL BALES ON SEDIMENTATION DIRECTLY BEHIND FIRST ROW OF BALES AS DIRECTED BY THE ENGINEER.
- UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS AND WHEN DIRECTED BY THE ENGINEER, HAY BALES WILL BE REMOVED AND USED AS MULCH. ANY SEDIMENTATION WILL BE THINLY SPREAD UPON ESTABLISHED GROUND COVER.



**STRAW WATTLES**  
 NOT TO SCALE

EROSION CONTROL MAINTENANCE INTERVALS				
EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
STRAW WATTLES (SW) (RELATED: IP, STK)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE ITS DEPTH IS EQUAL TO 1/2 THE TRENCH HEIGHT. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	SILT FENCE MAY BE REMOVED AFTER UPHILL AND SENSITIVE AREAS HAVE BEEN PERMANENTLY STABILIZED.
CONSTRUCTION ENTRANCE (CE)	- REDUCE THE TRACKING OF SEDIMENT OFF-SITE ONTO PAVED SURFACES.	INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC ADDITION OF STONE, OR LENGTHENING OF ENTRANCE MAY BE REQUIRED AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES AS A RESULT OF INEFFICIENCY OF CONSTRUCTION ENTRANCE SHALL BE IMMEDIATELY REMOVED.	- SEDIMENT IN ROADWAY ADJACENT TO SITE	CONSTRUCTION ENTRANCE MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL OTHER SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
INLET PROTECTION (IP)	- PROHIBIT SILT IN CONSTRUCTION-RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT, REMOVE SEDIMENT FROM BAG. CHECK SURROUNDING SILT FENCE AND HAY BALES PER NOTED ABOVE.	- RIPPED BAG - FAILED HAY BALES / SILT FENCE / STRAW WATTLES - SIGNIFICANT SILT PRESENCE IN STORM DRAINAGE SYSTEM OUTFLOW.	INLET PROTECTION MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
STOCKPILE PROTECTION (STK)	- RETAIN SOIL STOCKPILE IN LOCATIONS SPECIFIED, AND REDUCE WATER-TRANSPORT.	INSPECT SILT FENCE AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC REINFORCEMENT OF STRAW WATTLES, OR ADDITION OF HAY BALES MAY BE NECESSARY.	- EVIDENCE OF STOCK PILE DIMINISHING DUE TO RAIN EVENTS - FAILURE OF STRAW WATTLES	STOCKPILE PROTECTION MAY BE REMOVED ONCE THE STOCKPILE IS USED OR REMOVED.



**SLR**  
 99 REALTY DRIVE  
 CHESTER, CT 06410  
 203.271.1773  
 SLRCONSULTING.COM

DESCRIPTION	DATE	BY
ZONING SUBMISSION	04/29/2021	TDR

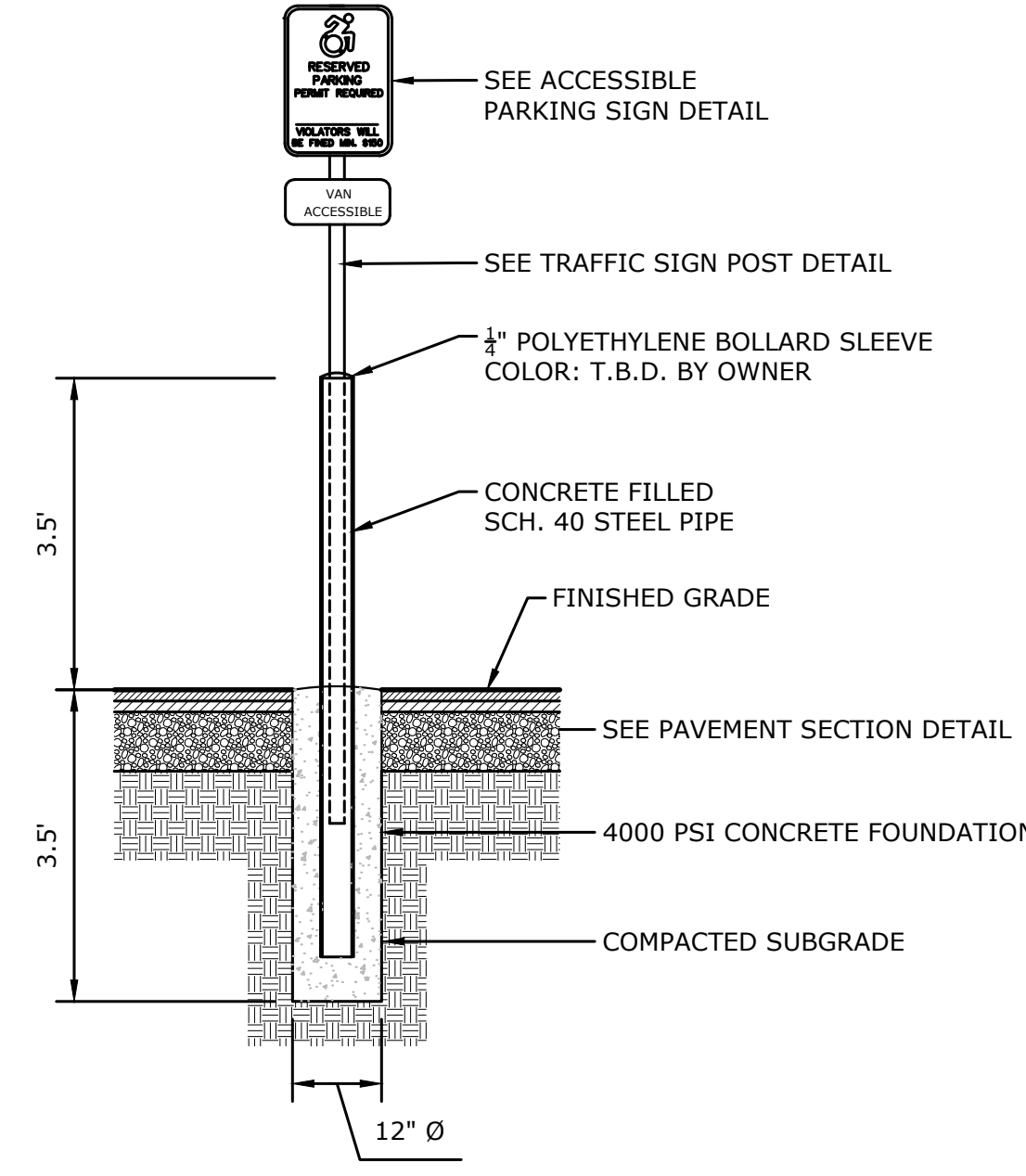
**SEDIMENT AND EROSION CONTROL SPECIFICATIONS AND DETAILS**  
 NEW FAIRFIELD SHOPPING CENTER  
 PROPOSED SITE IMPROVEMENTS  
 1 BRUSH HILL ROAD  
 NEW FAIRFIELD, CONNECTICUT

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DESIGNED	DRAWN	CHECKED

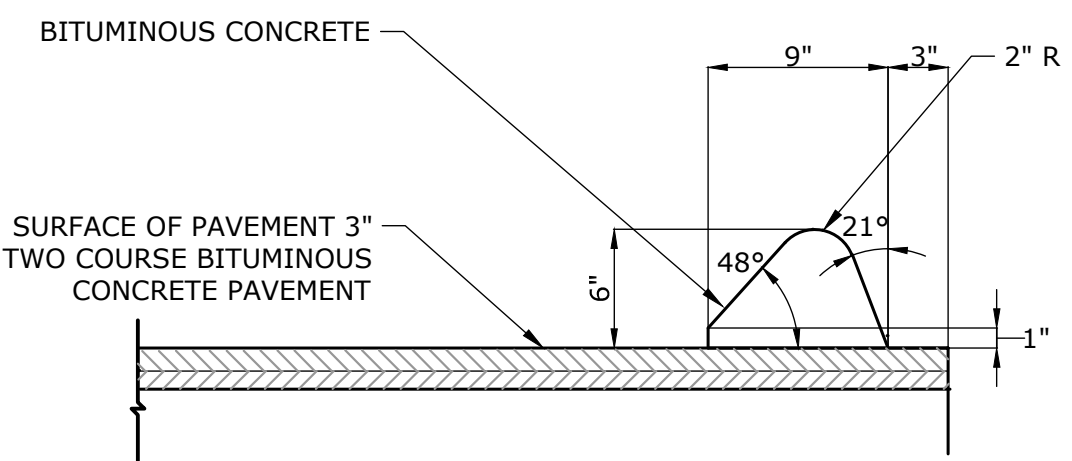
AS NOTED  
 DATE: APRIL 9, 2021  
 PROJECT NO.: 7047-01

**SE**

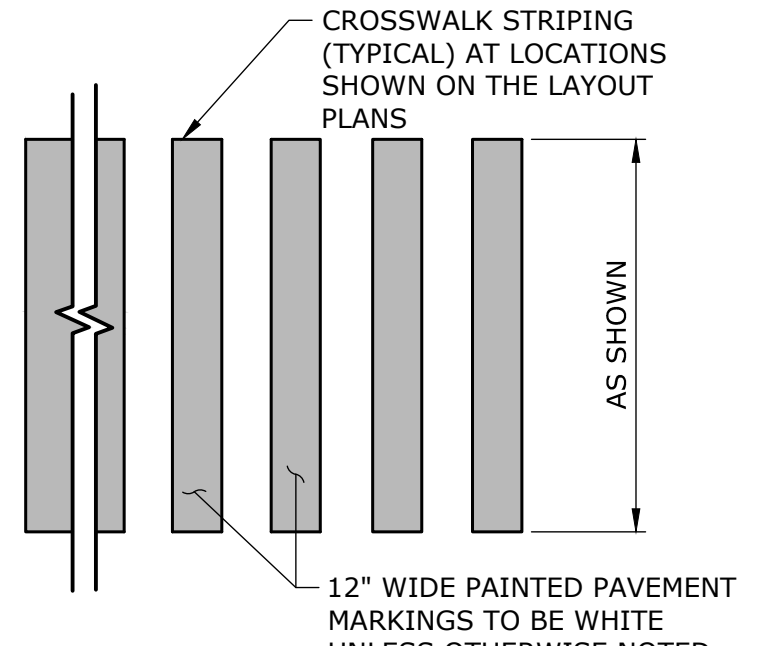




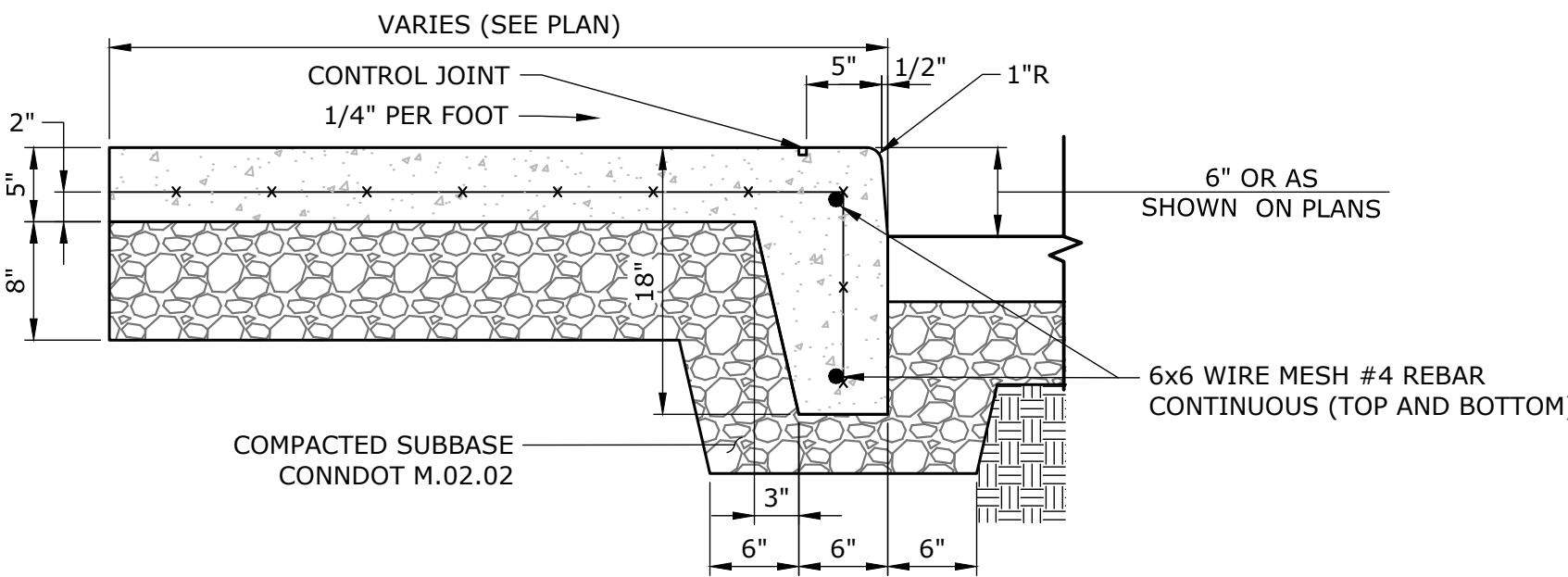
**ACCESSIBLE PARKING SIGN BOLLARD**  
NOT TO SCALE



**BITUMINOUS CONCRETE CURB**  
NOT TO SCALE

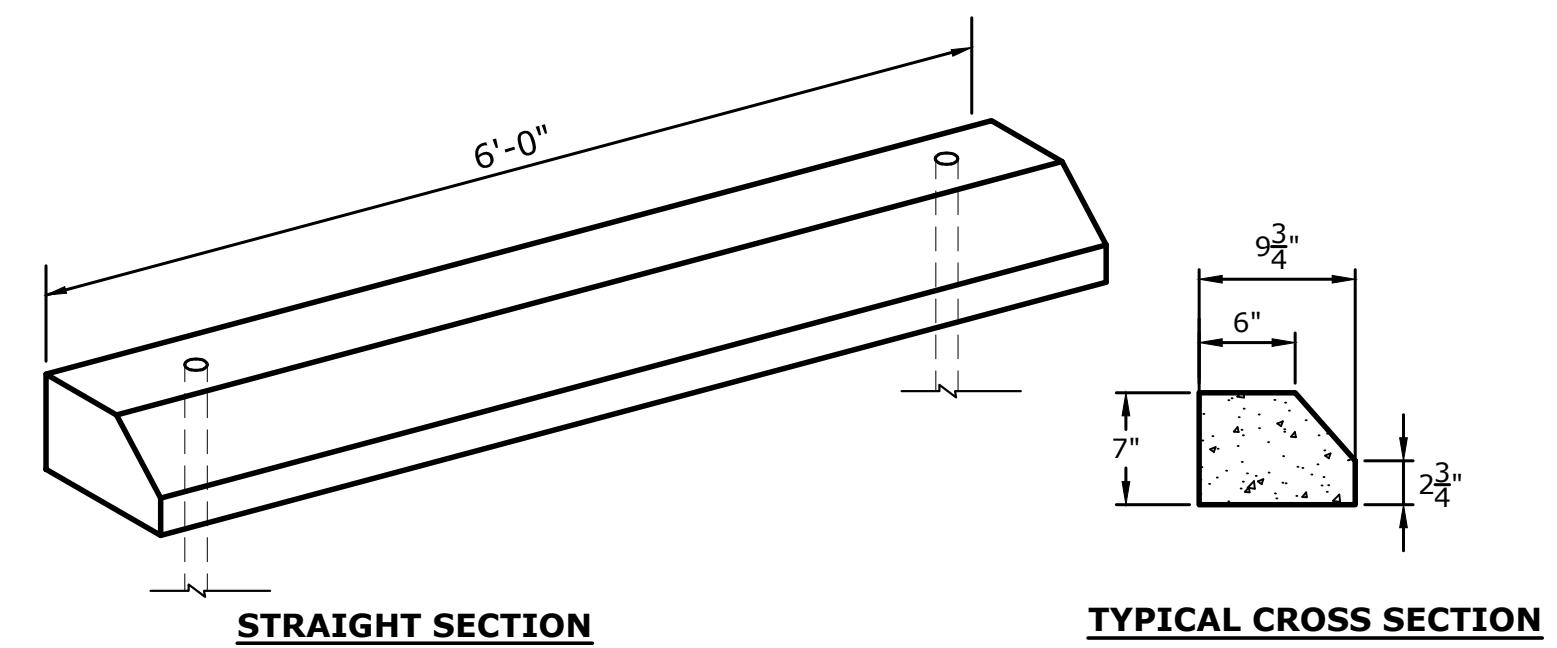


**CROSSWALK PAVEMENT MARKING**  
NOT TO SCALE



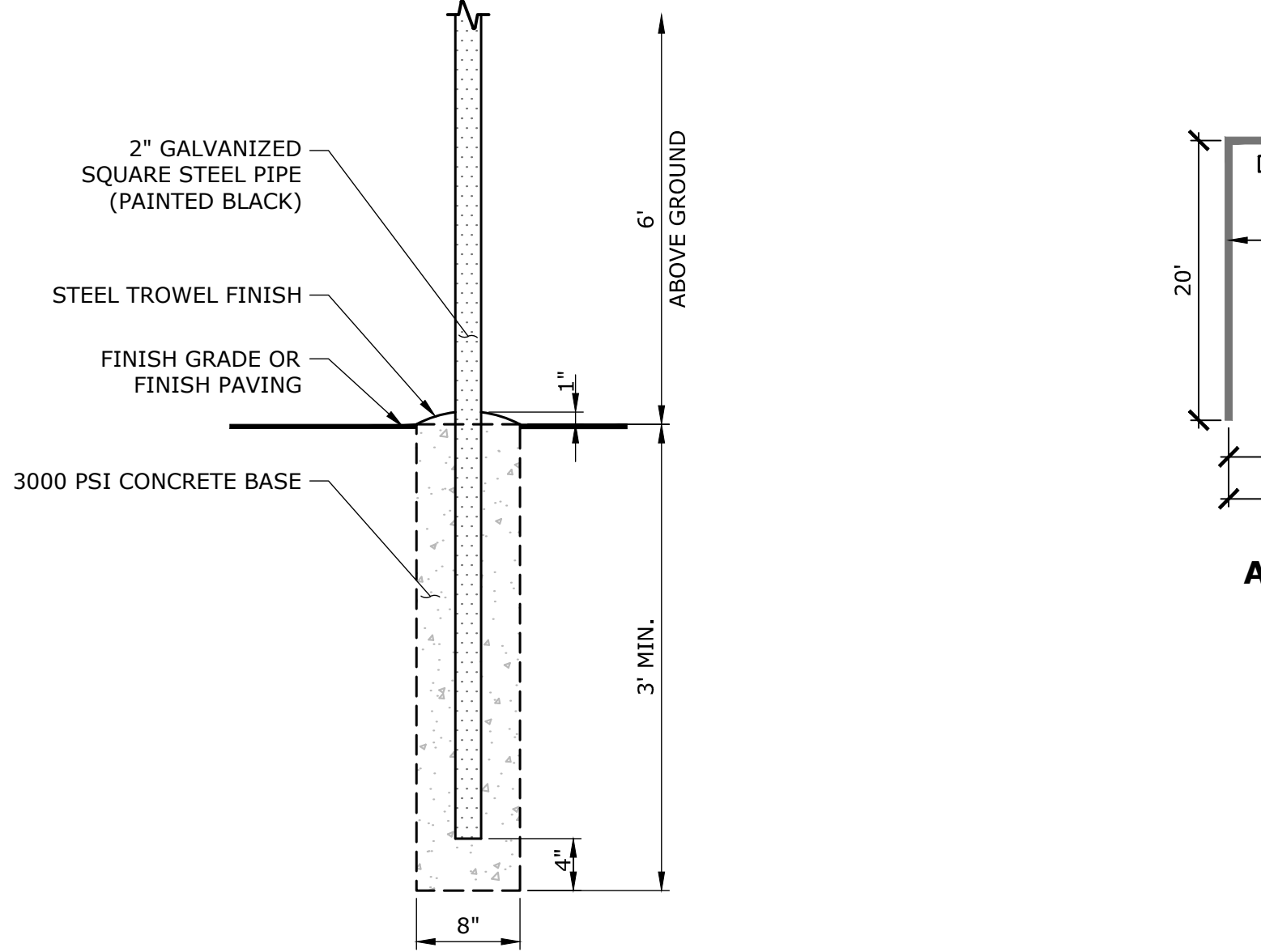
- NOTES:**
1. CONCRETE TO BE 4,000 PSI AT 28 DAYS. 1/2" EXPANSION JOINT AT INTERVALS NOT TO EXCEED 20'. EXPANSION JOINT TO RUN TO THE FACE OF CURB.
  2. TO BE USED IN ALL LOCATIONS WHERE PROPOSED CONCRETE WALKS ABUT PROPOSED CONCRETE CURB.

**INTEGRAL CONCRETE SIDEWALK CURB**  
NOT TO SCALE



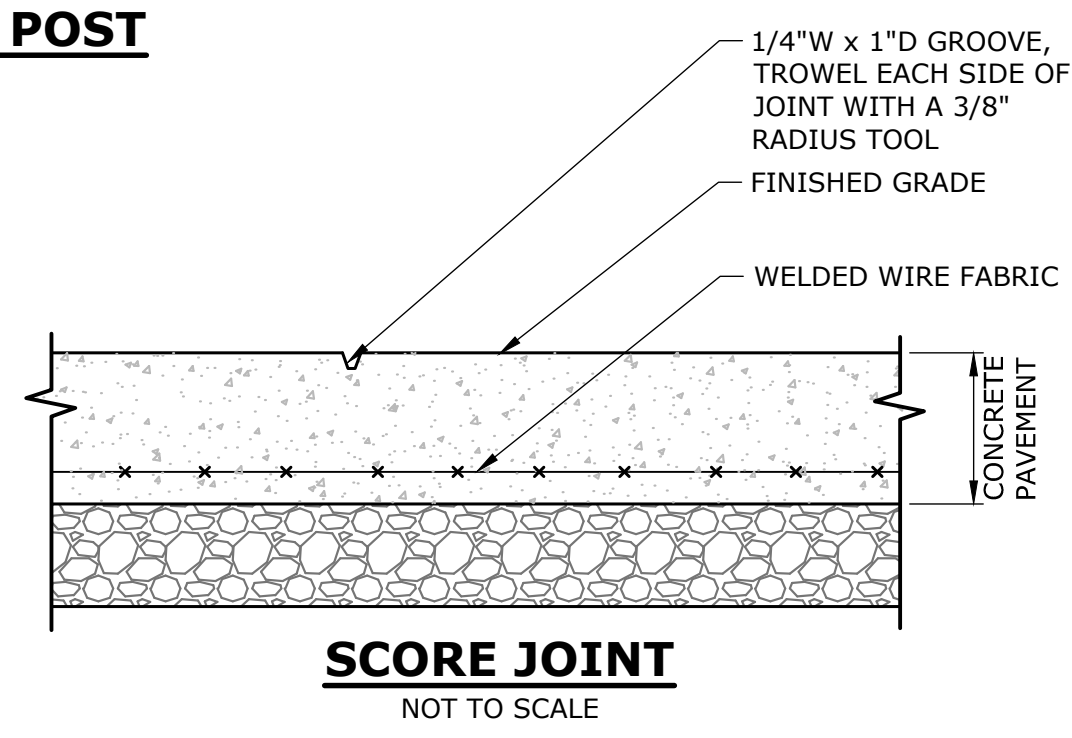
- NOTES:**
1. CONCRETE: 4000 PSI, 28 DAYS
  2. WEIGHT, 300 LBS.
  3. REINFORCEMENT, (2) #4 BARS
  4. (2) 3/4" HOLES CAST IN FOR ANCHORING
  5. (2) PROVIDE 5/8" x 30" REBAR FOR ANCHORING

**CONCRETE WHEEL STOP**  
NOT TO SCALE

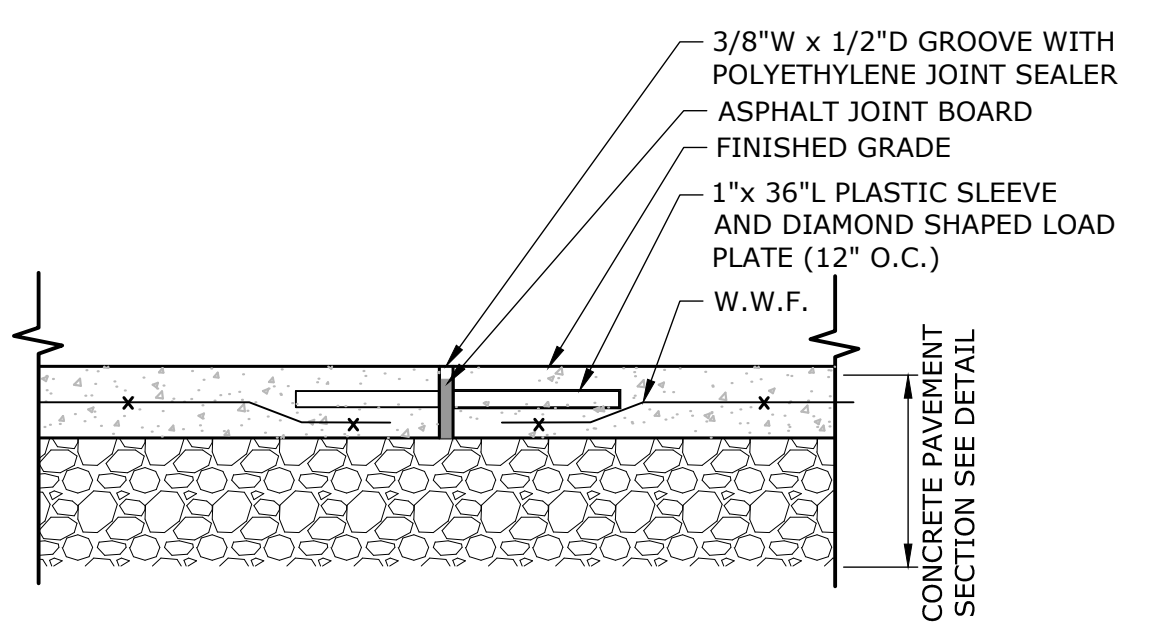


- NOTES:**
1. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS WITH WASHERS, 2 PER SIGN.
  2. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8" LAG BOLTS WITH LEAD EXPANSION SHIELD, 4 PER SIGN.
  3. BOTTOM OF FOOTING TO BE 12" BELOW FROST LINE, EXISTING UNDISTURBED GRADE OR FINISHED GRADE, WHICHEVER IS GREATER.

**TRAFFIC SIGN POST**  
NOT TO SCALE

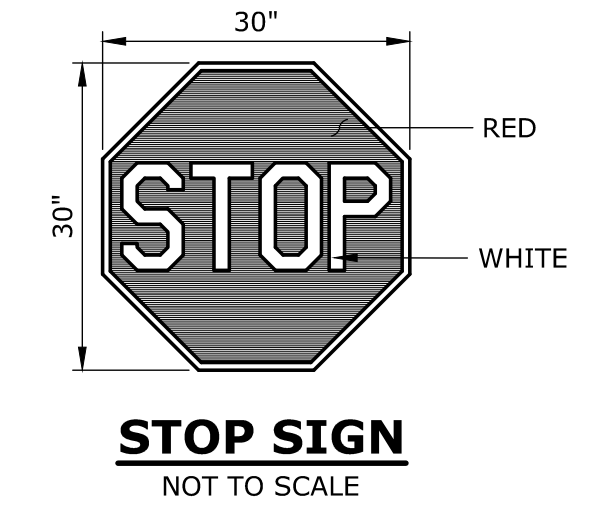


**SCORE JOINT**  
NOT TO SCALE

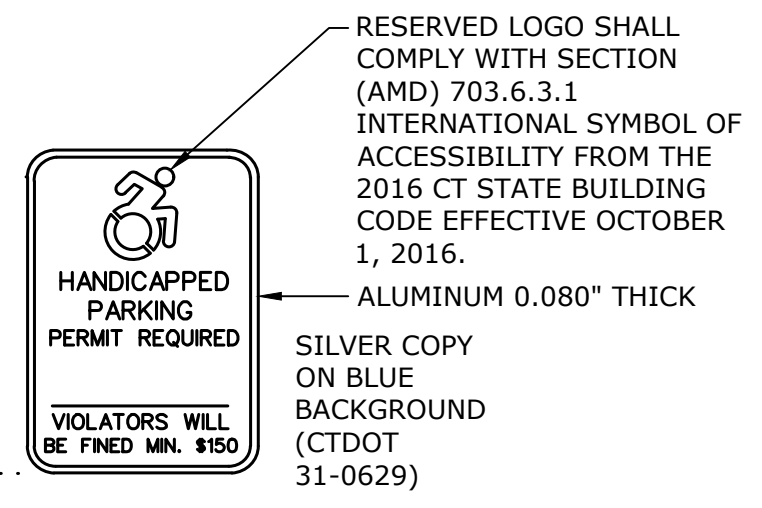


- NOTES:**
1. PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINT, AND OTHER LOCATIONS WHERE CONCRETE ABUTTS EXISTING CONCRETE.

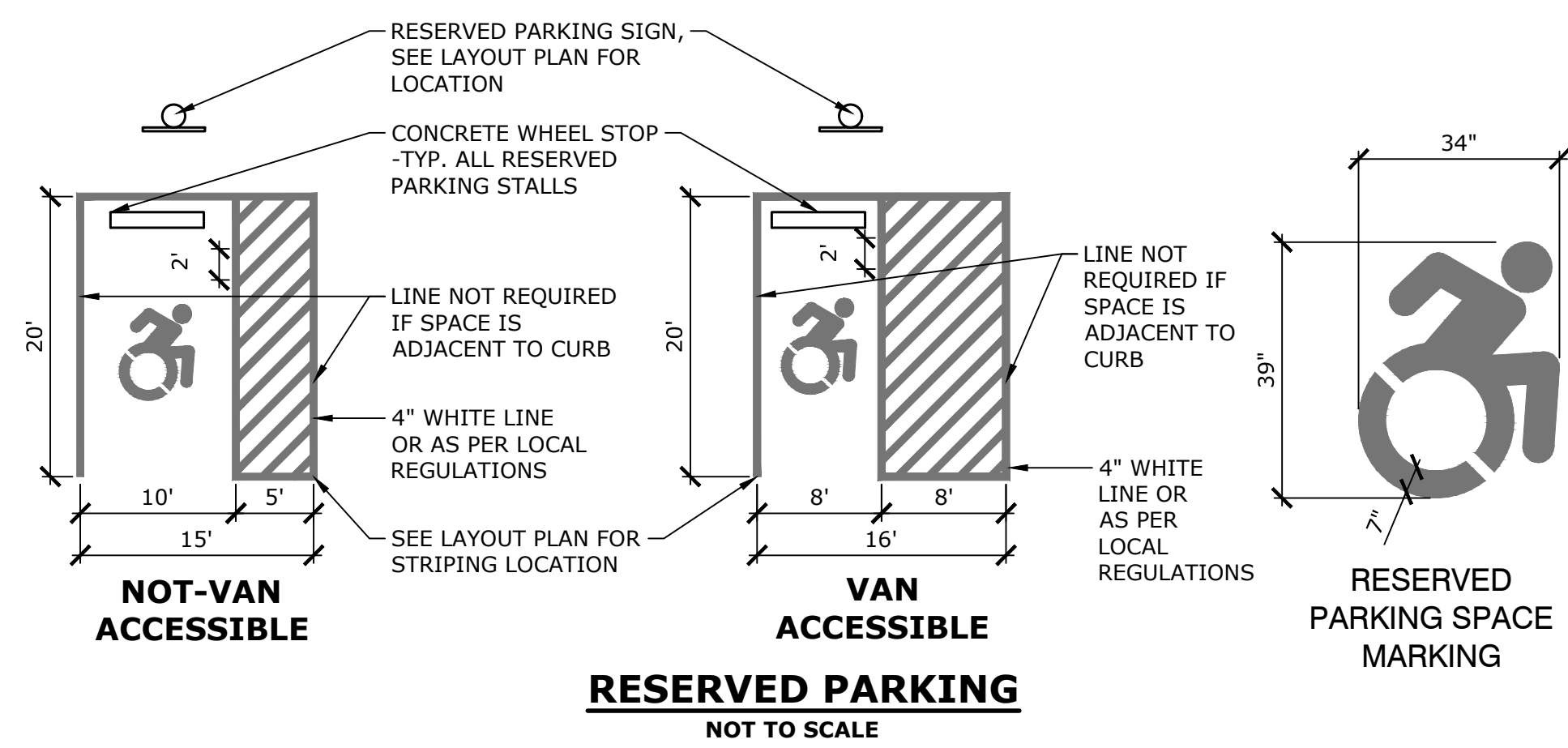
**CEMENT CONCRETE EXPANSION JOINT**  
NOT TO SCALE



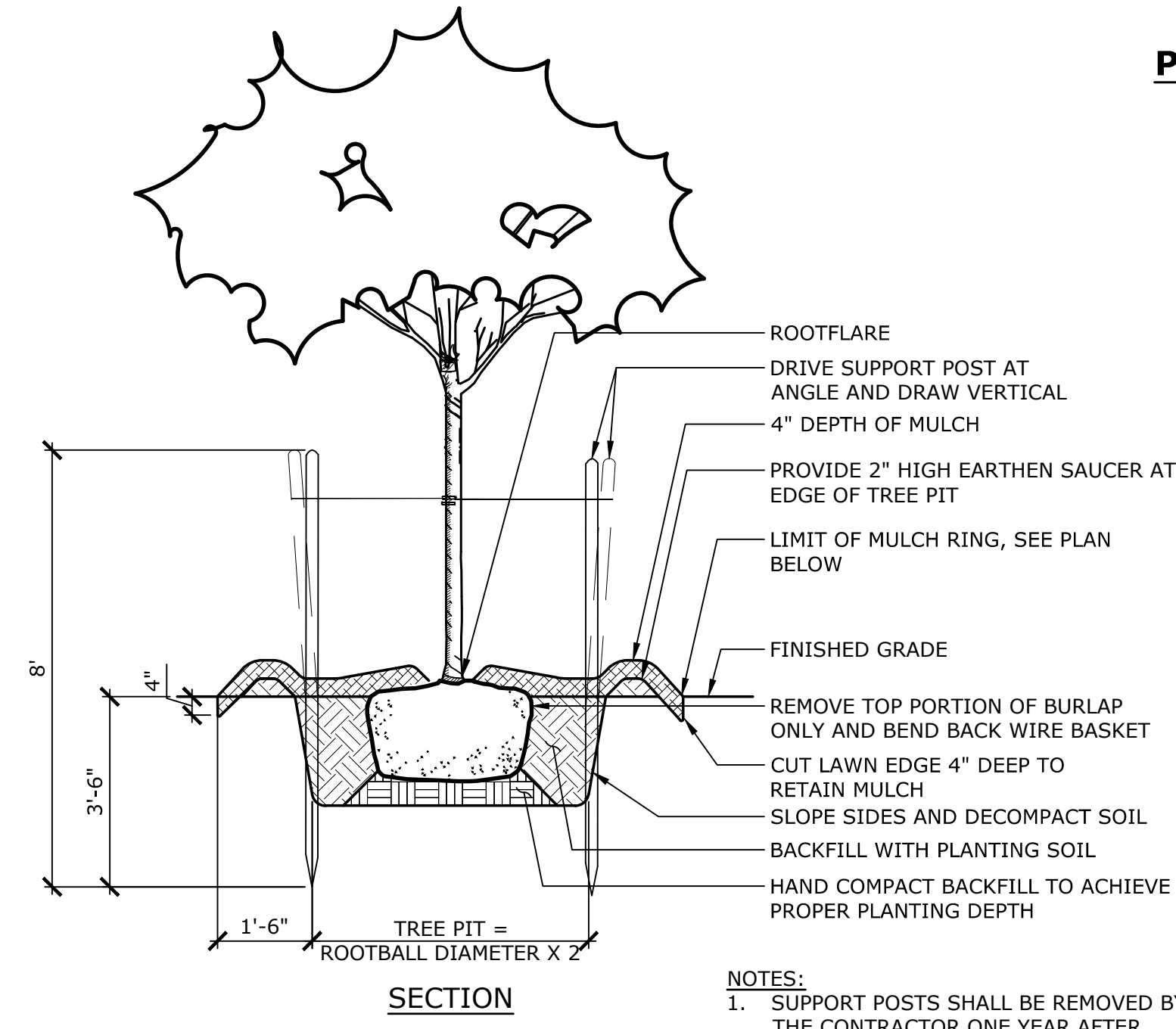
**STOP SIGN**  
NOT TO SCALE



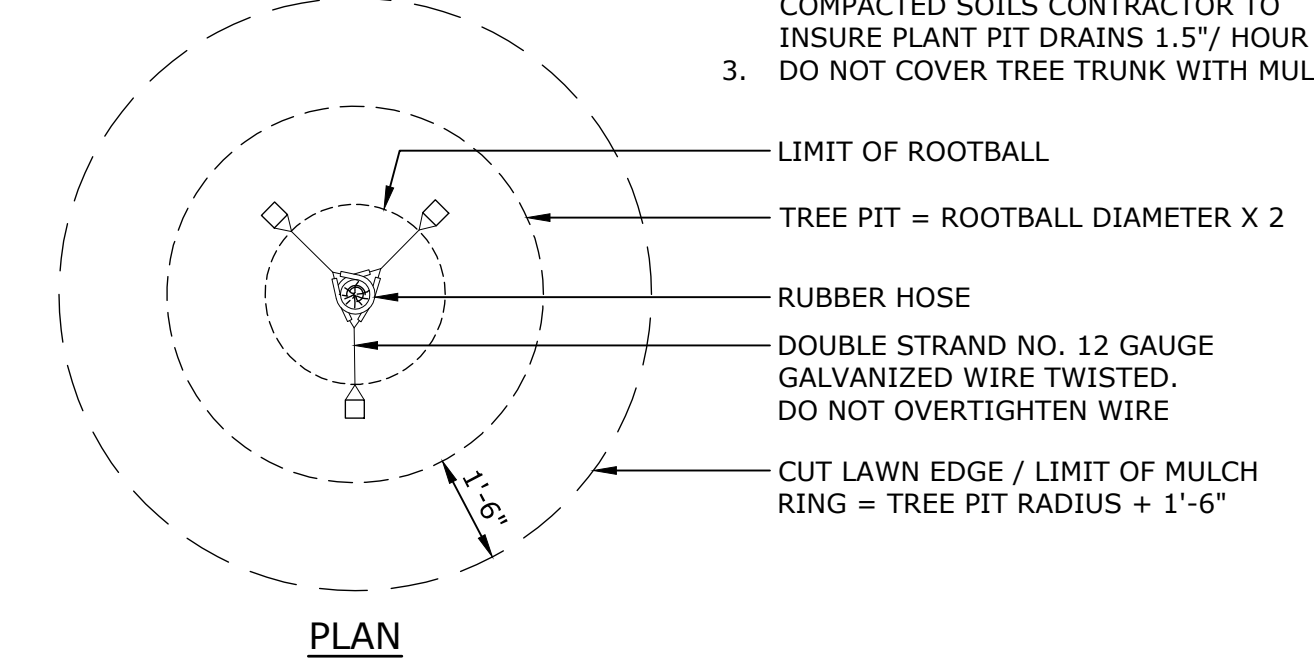
**RESERVED PARKING SIGN**  
NOT TO SCALE



**RESERVED PARKING**  
NOT TO SCALE

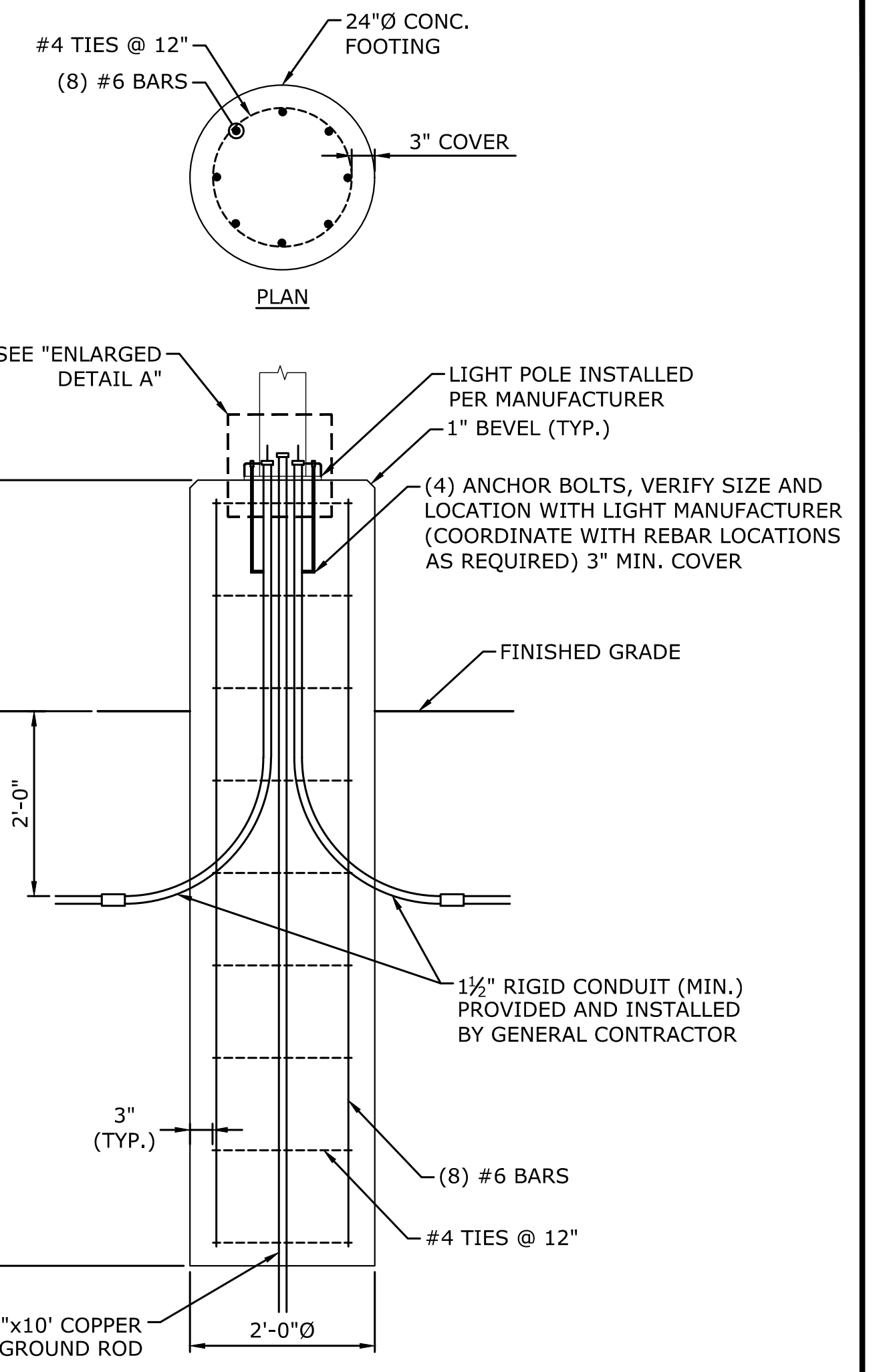


**SECTION**

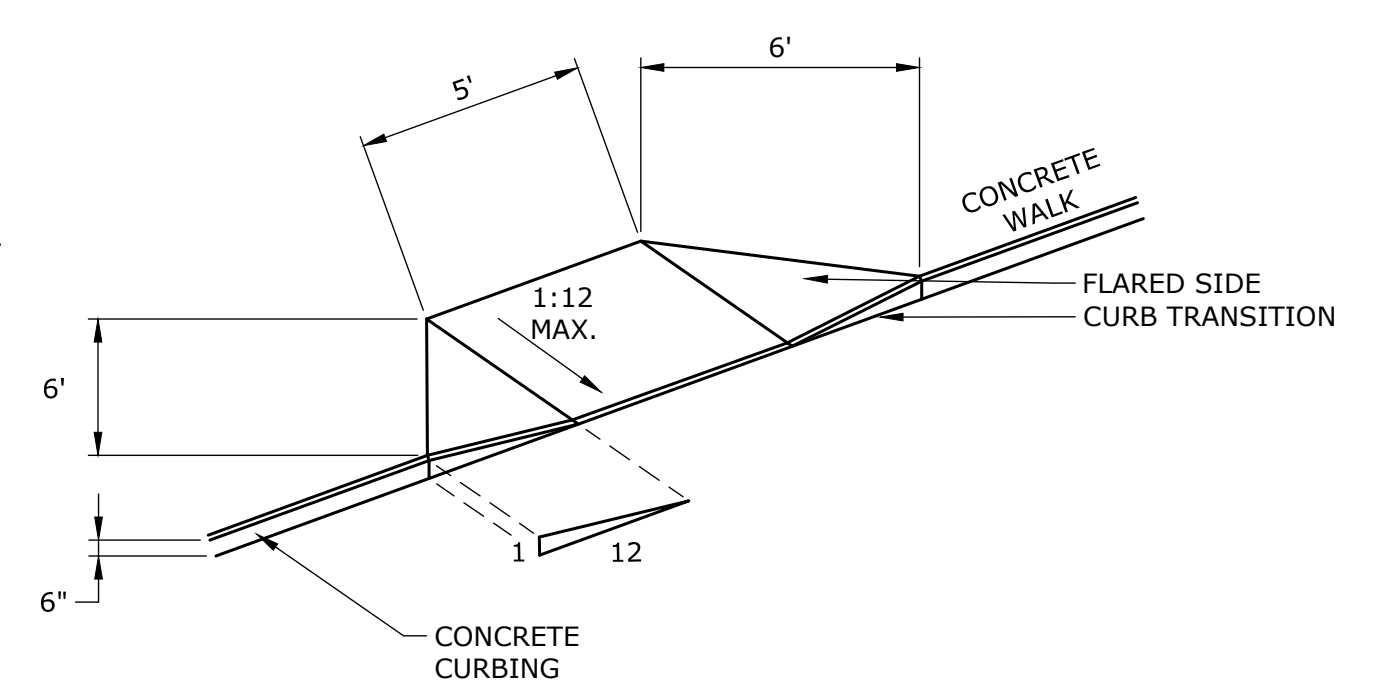


**PLAN**

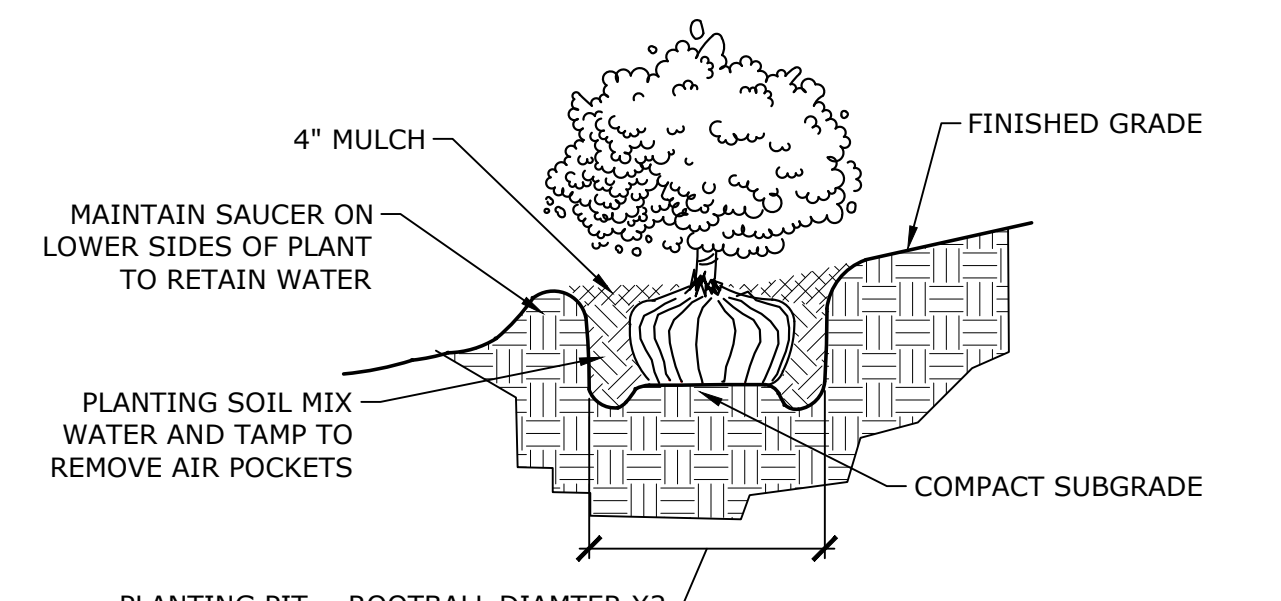
**TREE PLANTING**  
NOT TO SCALE



**PARKING LIGHT POLE FOUNDATION DETAIL**  
SCALE: 3/4" = 1'-0"



**FLARED-SIDE CURB RAMP**  
NOT TO SCALE



**SHRUB PLANTING**  
NOT TO SCALE



**SLR**  
99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
ZONING SUBMISSION	04/28/2021	TDR
TOWN ENGINEER COMMENTS	09/12/2021	TDR

**SITE DETAILS**  
**NEW FAIRFIELD SHOPPING CENTER**  
**PROPOSED SITE IMPROVEMENTS**  
1 BRUSH HILL ROAD  
NEW FAIRFIELD, CONNECTICUT

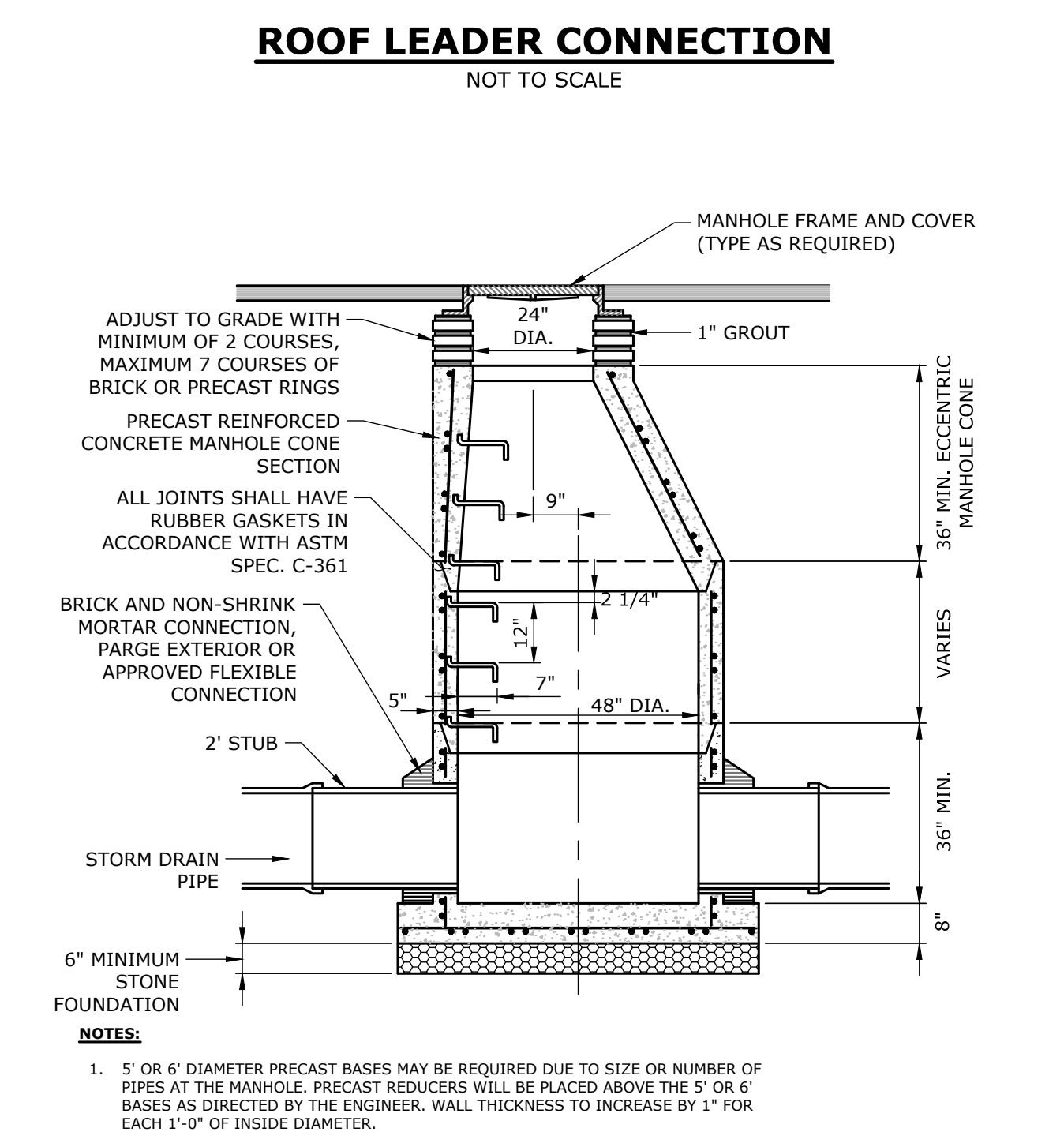
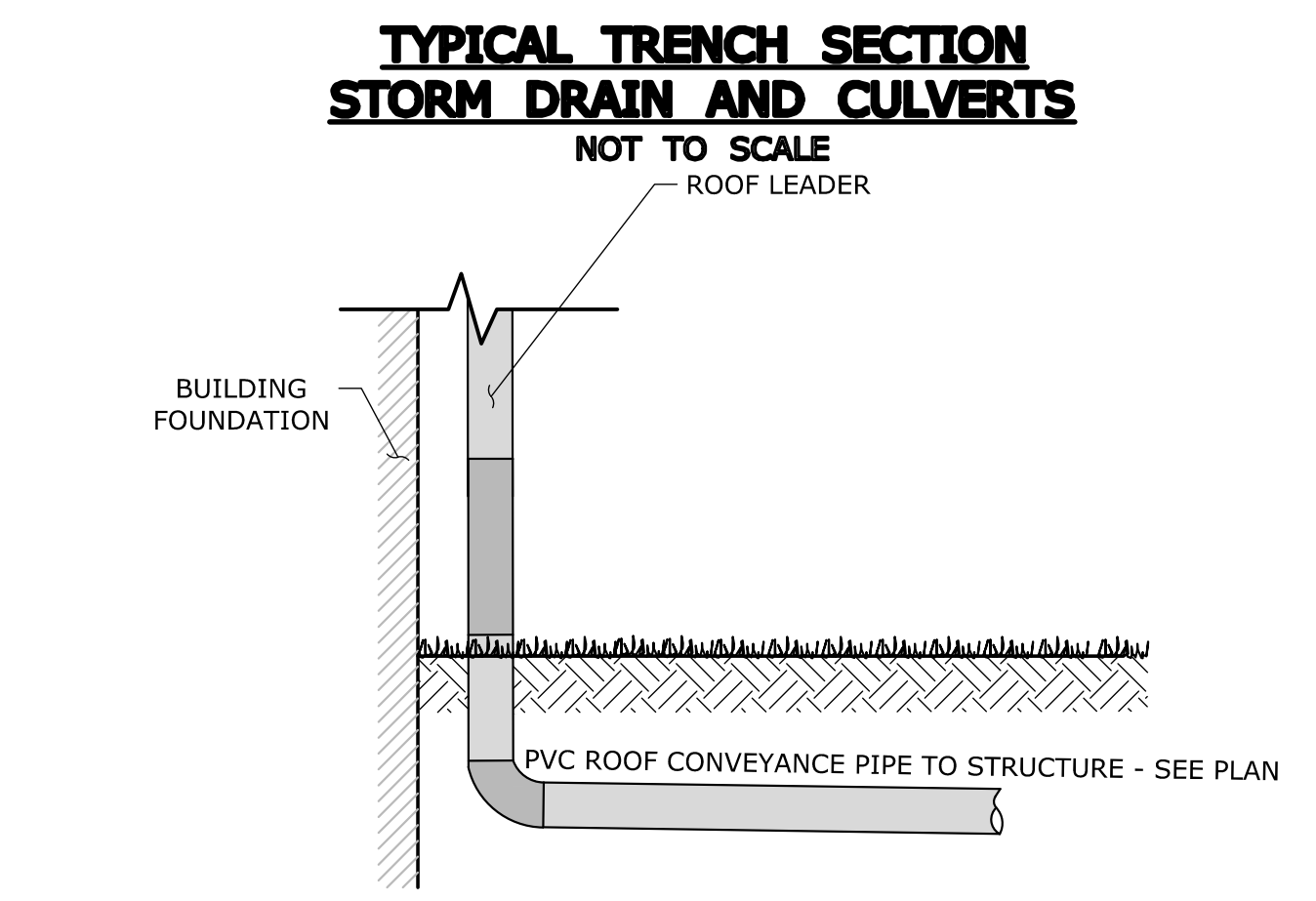
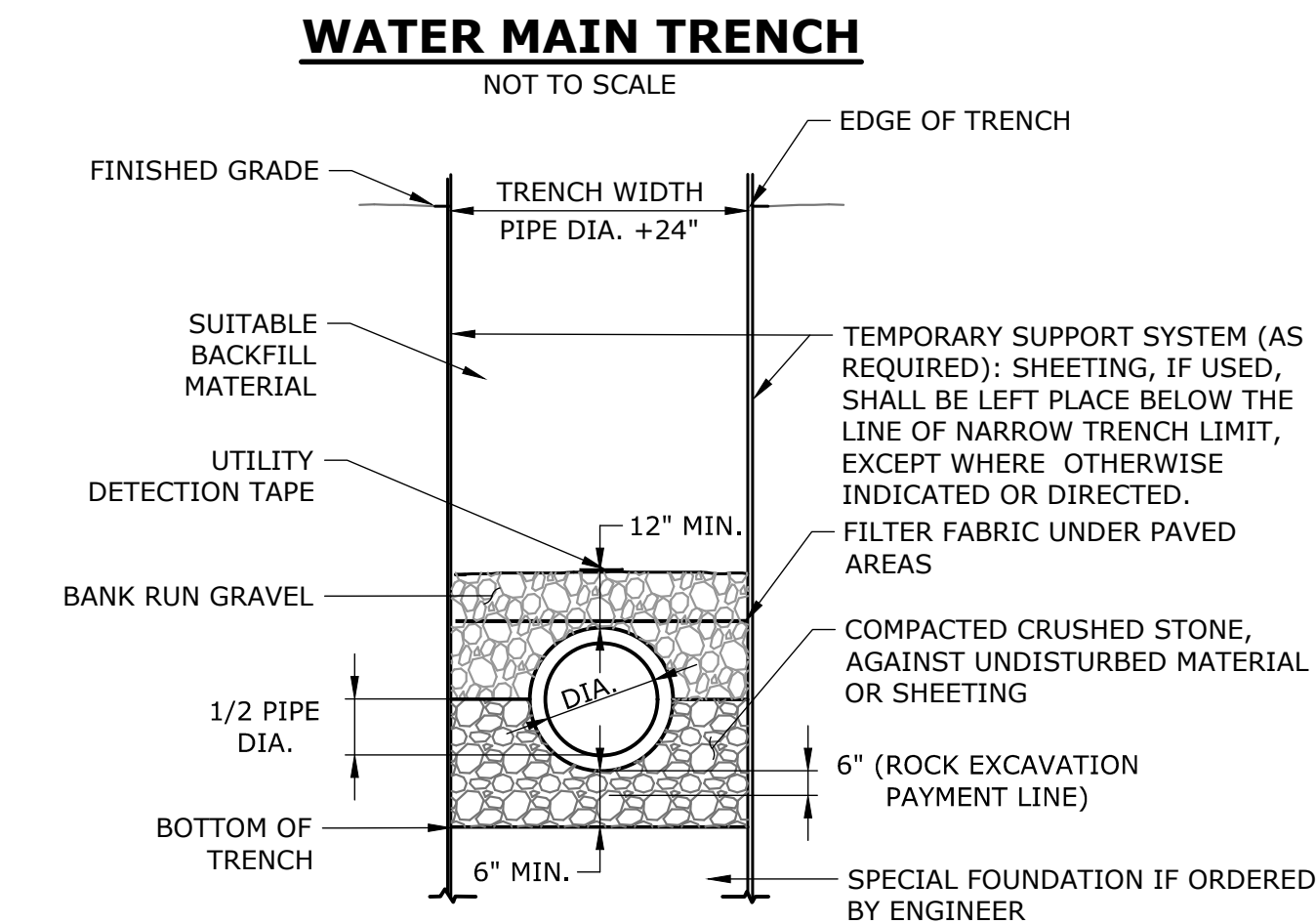
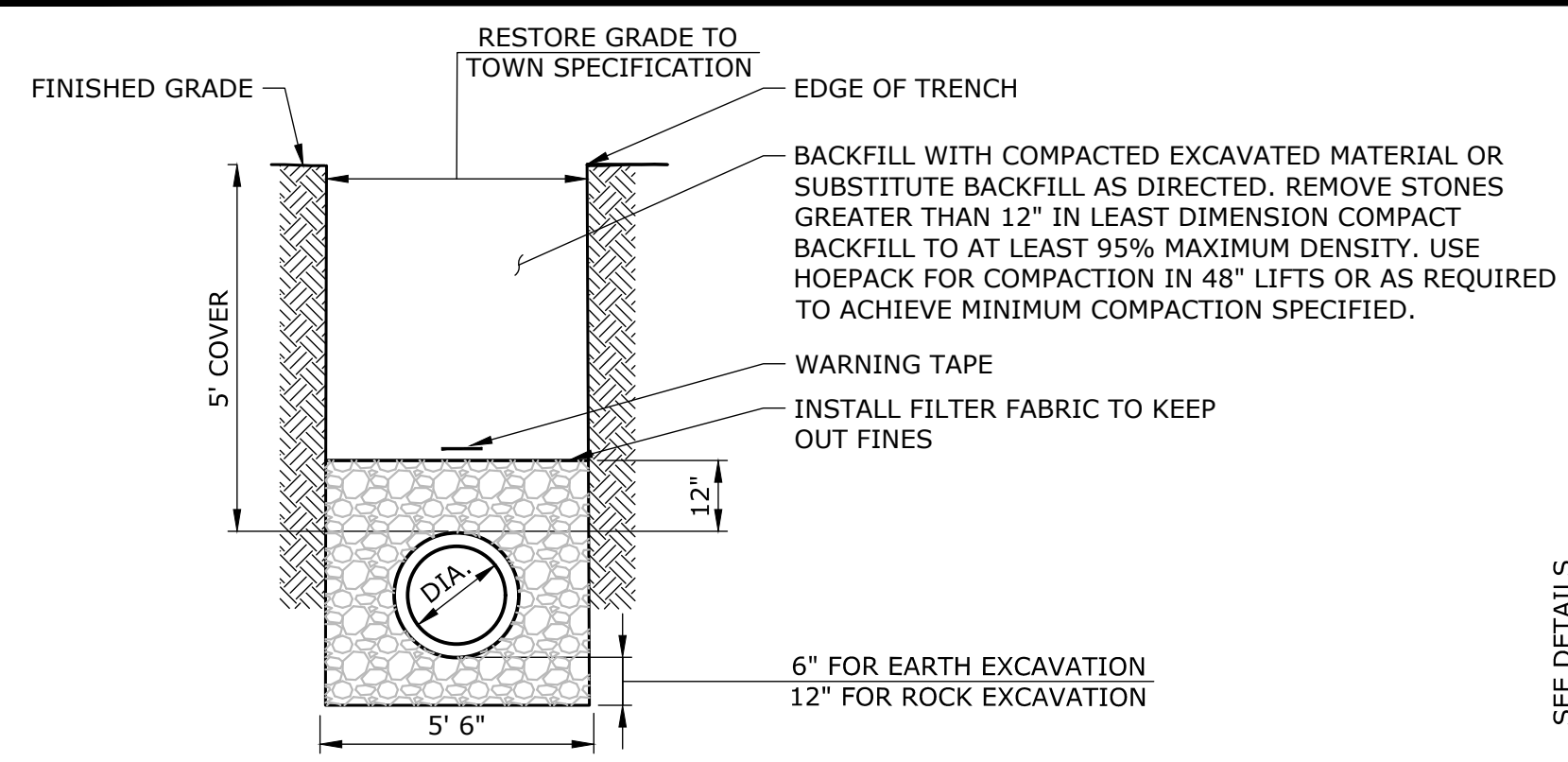
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AS NOTED  
DATE: **APRIL 9, 2021**  
PROJECT NO.: **7047-01**

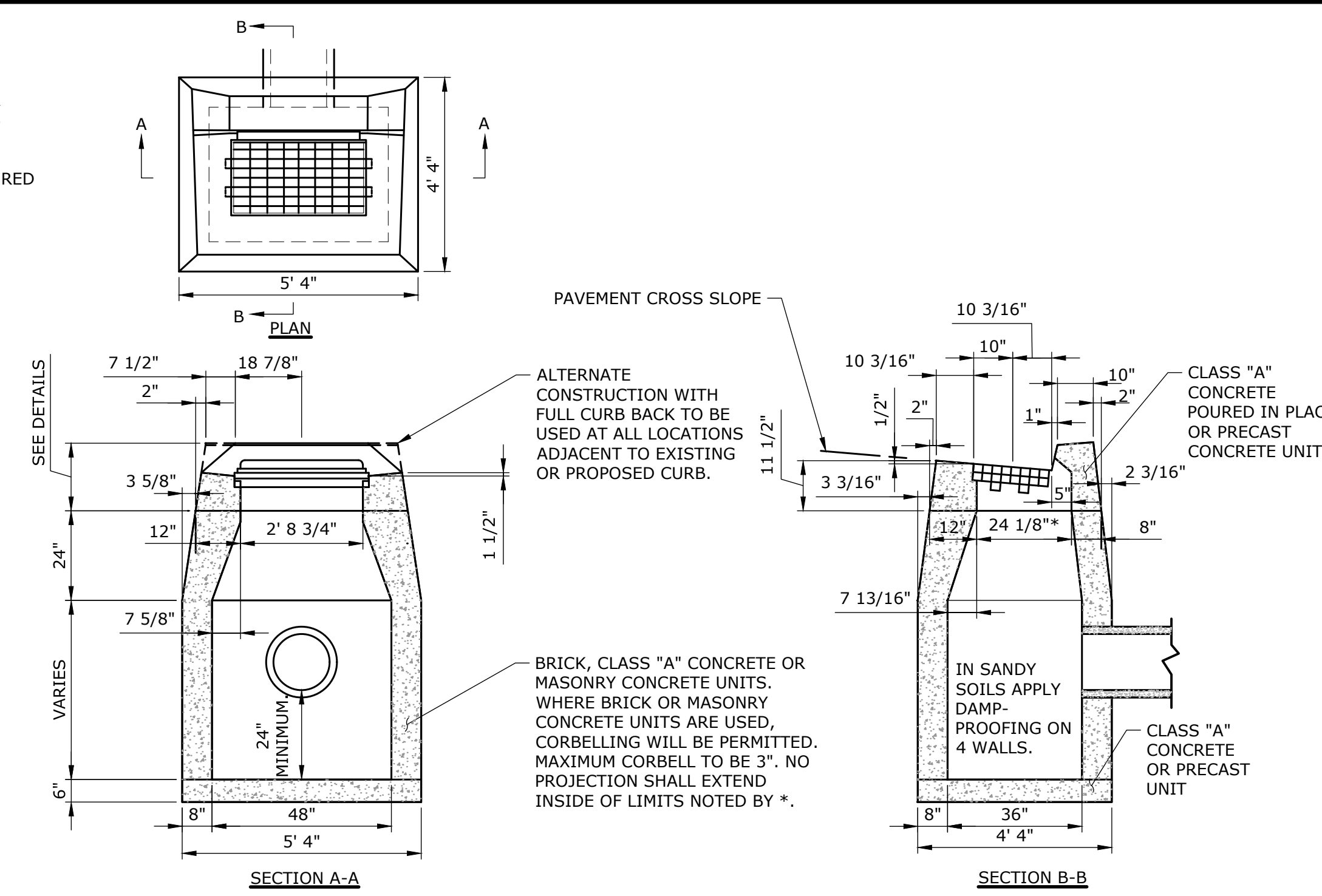
**SD-1**



10/20/11 11:55 AM 11/20/11 11:55 AM 11/20/11 11:55 AM  
 10/20/11 11:55 AM 11/20/11 11:55 AM 11/20/11 11:55 AM

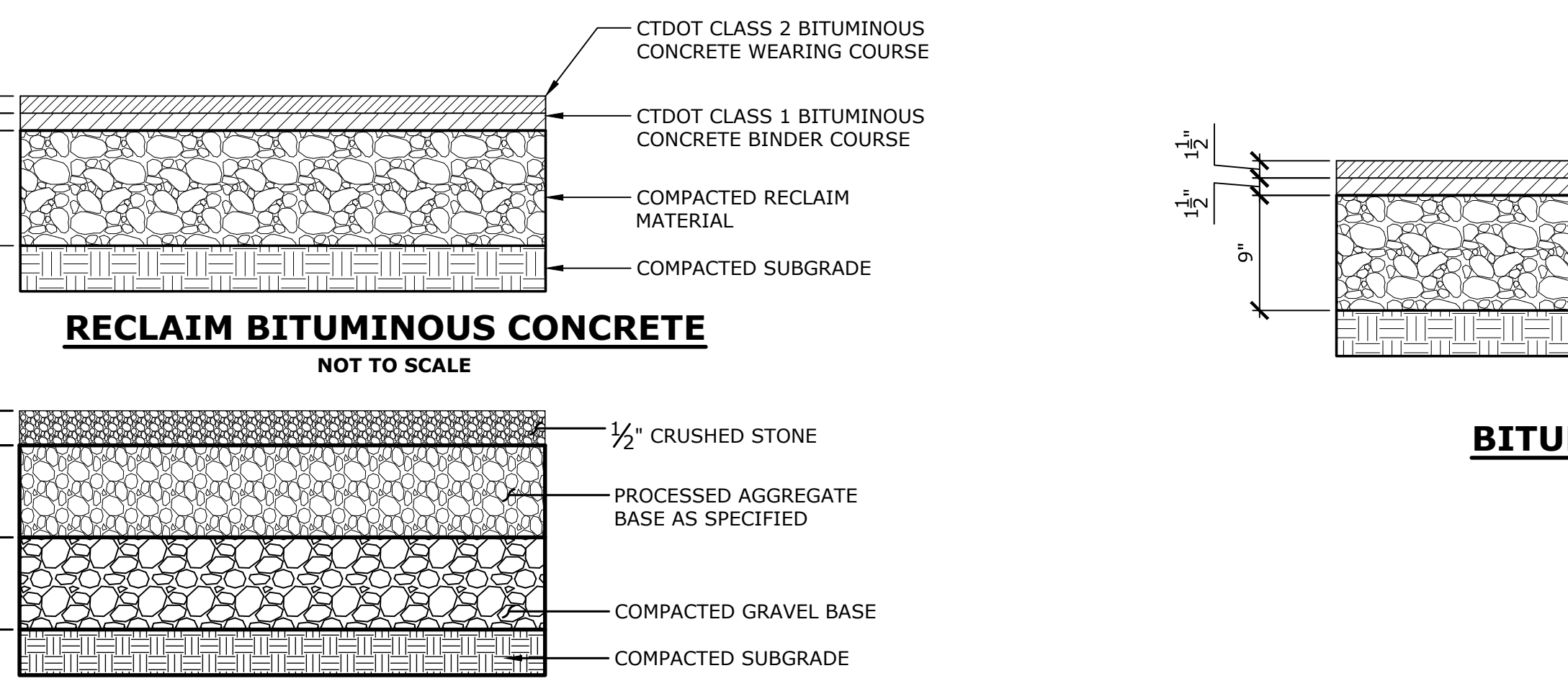


**PRECAST CONCRETE STORM DRAINAGE MANHOLE**  
NOT TO SCALE

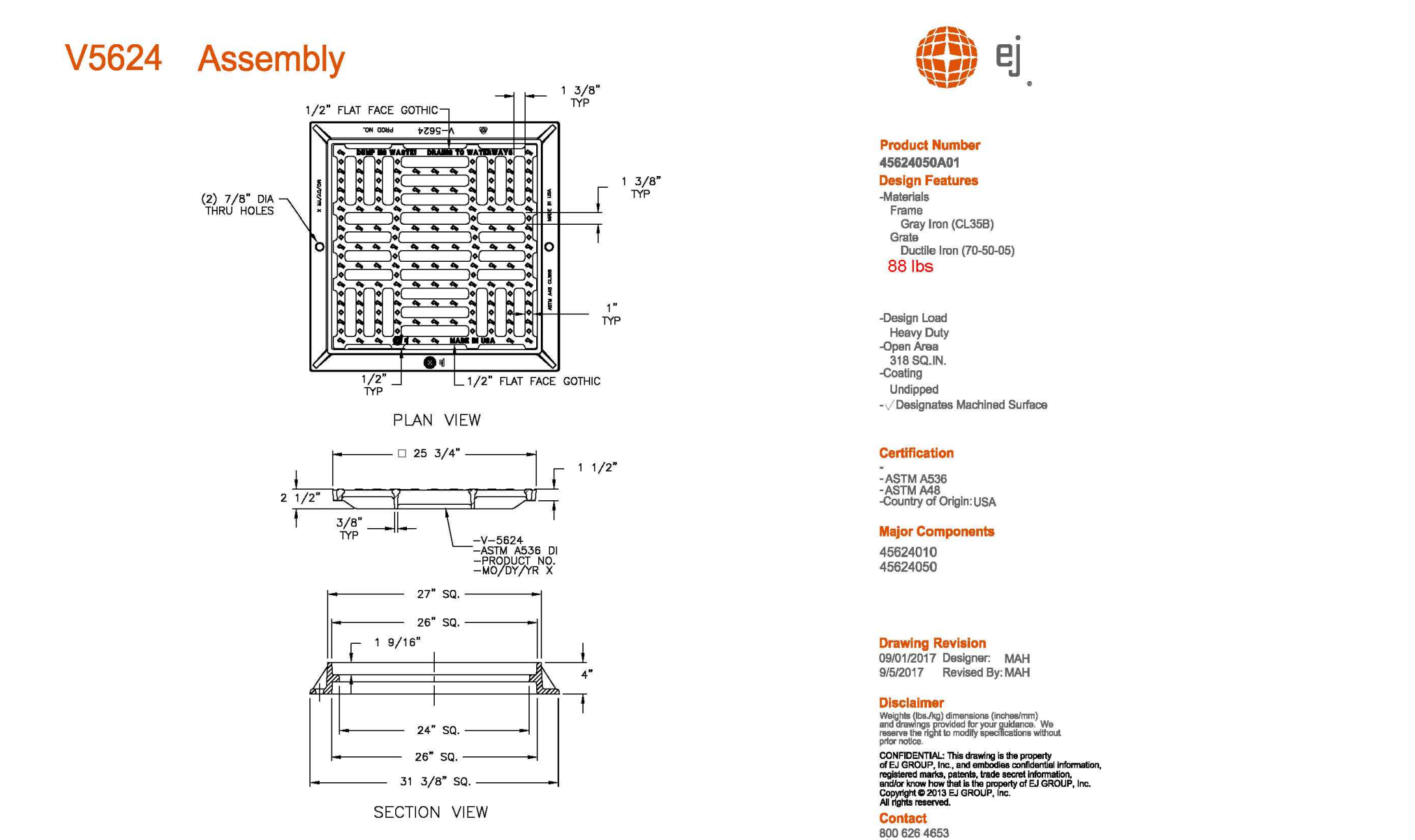


**TYPE "C" CATCH BASIN**  
NOT TO SCALE

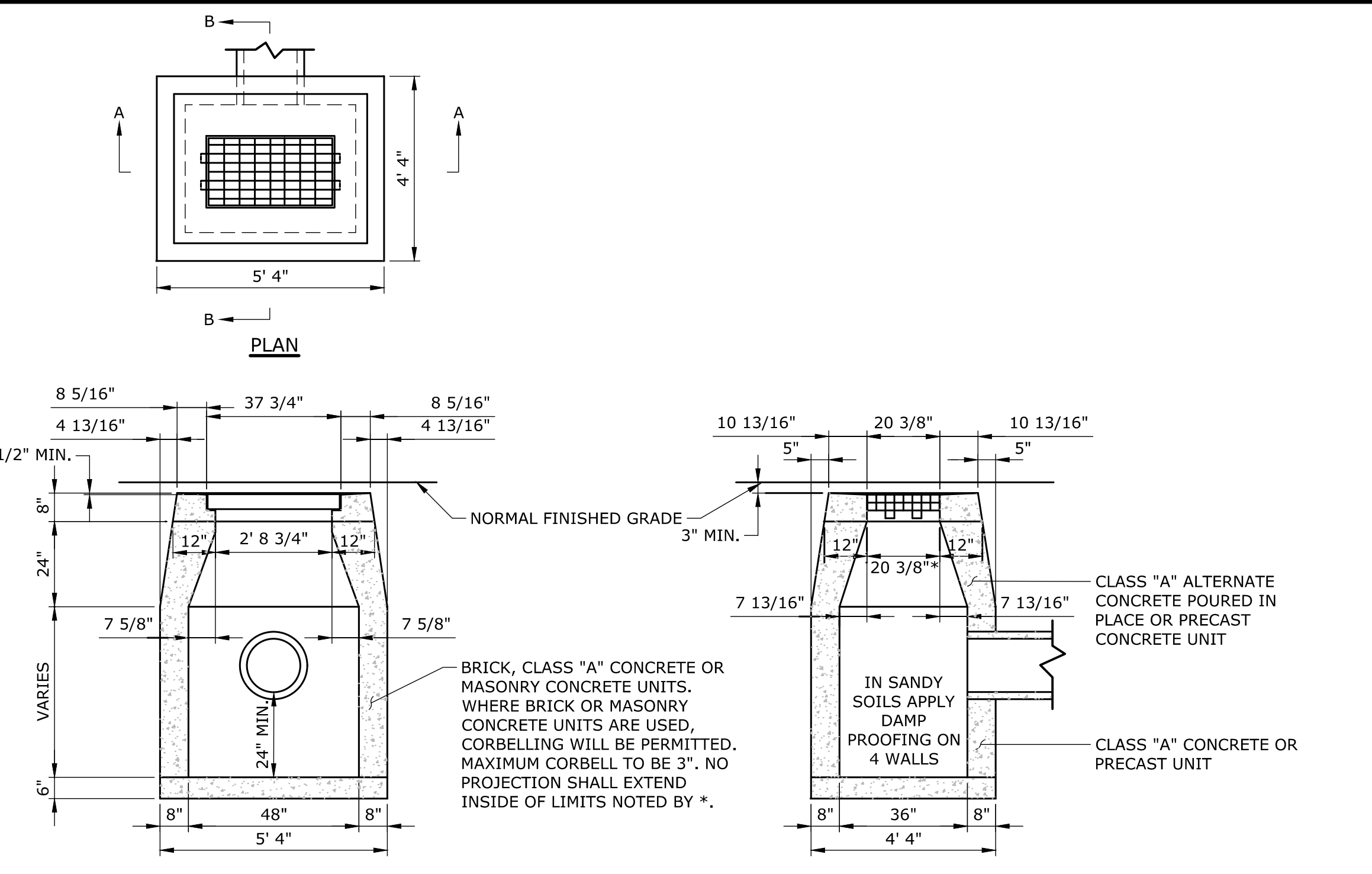
NOTES:  
1. WHEN CATCH BASIN IS SET IN CONCRETE PAVEMENT, THE 1/2" SLOPE ON THE TOP SURFACE SHALL BE CHANGED TO MATCH ADJOINING PAVEMENT.  
2. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.



**RECLAIM BITUMINOUS CONCRETE**  
NOT TO SCALE

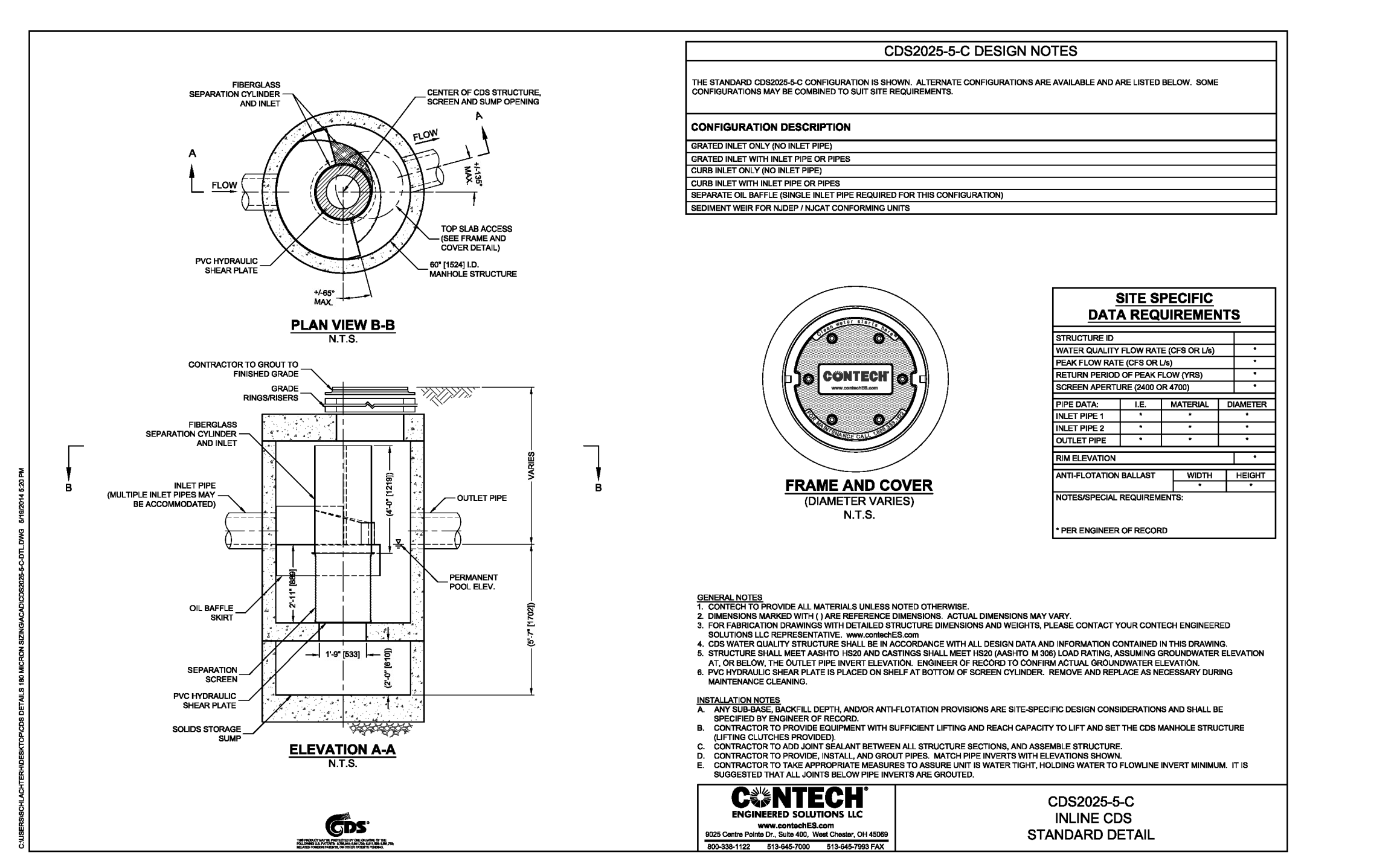
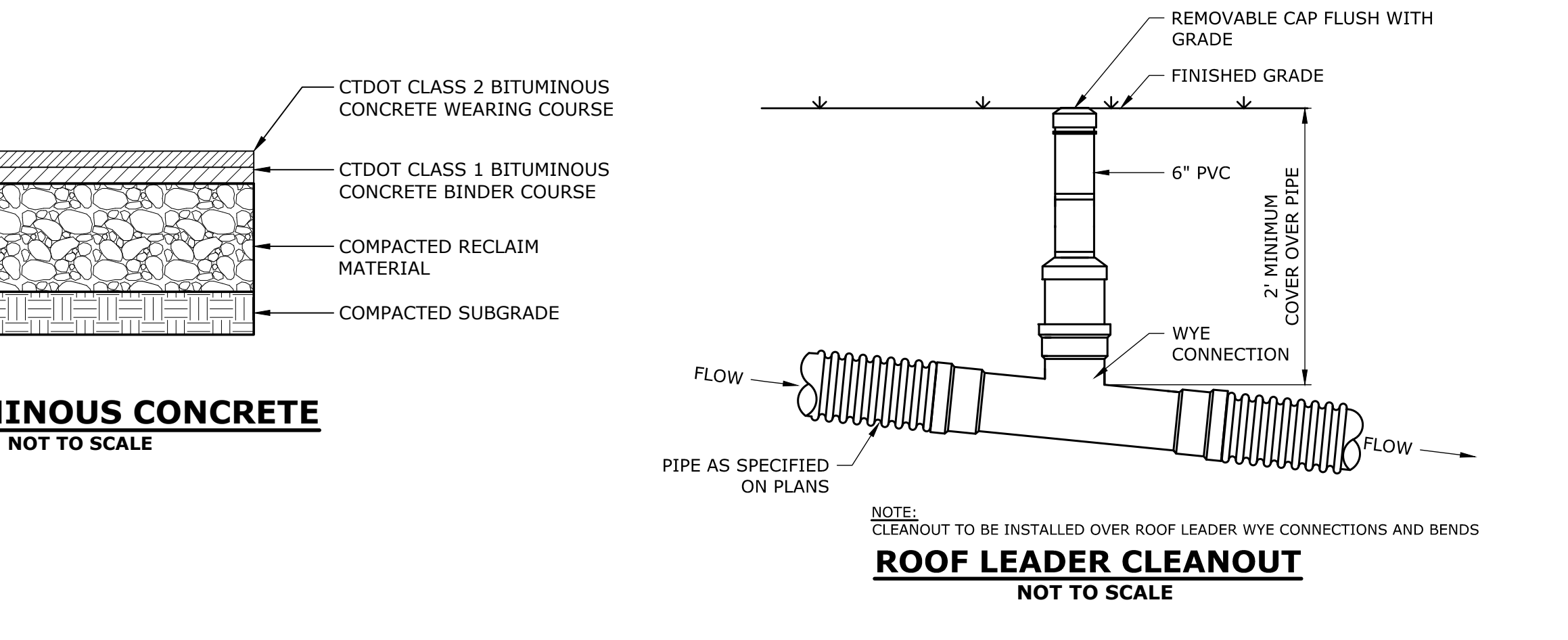


**GRAVEL PARKING LOT SURFACE**  
NOT TO SCALE

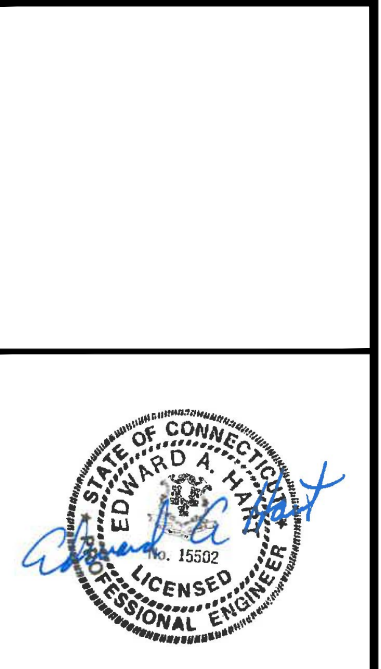


**TYPE "C-L" CATCH BASIN**  
NOT TO SCALE

NOTES:  
1. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.



**CONTECH CDS 2025-5-C**  
NOT TO SCALE



**SLR**  
ENGINEERING, INC.  
99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
ZONING SUBMISSION	04/28/2021	TDR

**SITE DETAILS**  
NEW FAIRFIELD SHOPPING CENTER  
PROPOSED SITE IMPROVEMENTS  
1 BRUSH HILL ROAD  
NEW FAIRFIELD, CONNECTICUT

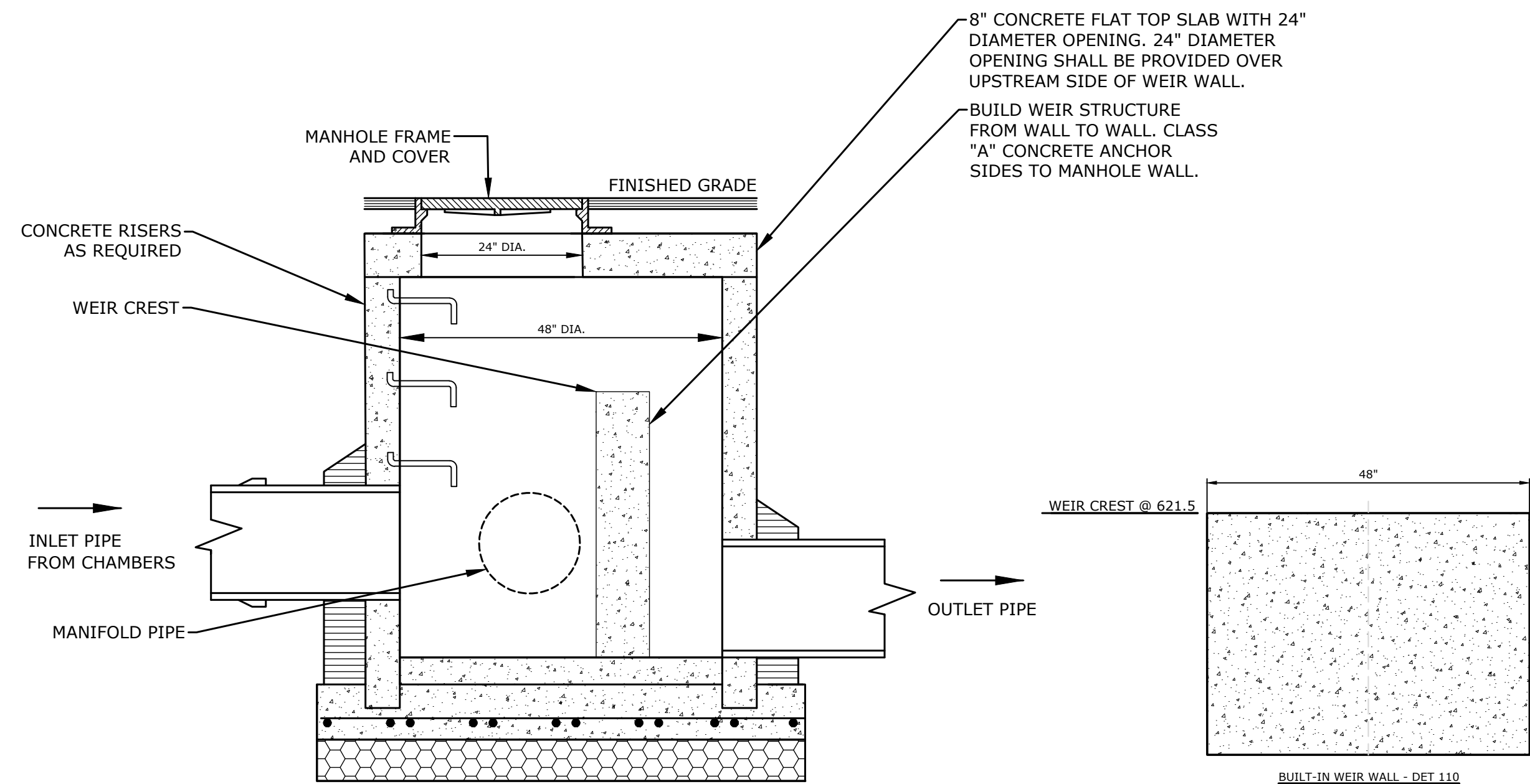
TR	TR	RE
DESIGNED	DRAWN	CHECKED

AS NOTED  
APRIL 9, 2021  
7047-01

**SD-2**



10/2023 - 11/2023: 100% COMPLETE. 12/2023: 100% COMPLETE. 1/2024: 100% COMPLETE. 2/2024: 100% COMPLETE. 3/2024: 100% COMPLETE. 4/2024: 100% COMPLETE. 5/2024: 100% COMPLETE. 6/2024: 100% COMPLETE. 7/2024: 100% COMPLETE. 8/2024: 100% COMPLETE. 9/2024: 100% COMPLETE. 10/2024: 100% COMPLETE. 11/2024: 100% COMPLETE. 12/2024: 100% COMPLETE. 1/2025: 100% COMPLETE. 2/2025: 100% COMPLETE. 3/2025: 100% COMPLETE. 4/2025: 100% COMPLETE. 5/2025: 100% COMPLETE. 6/2025: 100% COMPLETE. 7/2025: 100% COMPLETE. 8/2025: 100% COMPLETE. 9/2025: 100% COMPLETE. 10/2025: 100% COMPLETE. 11/2025: 100% COMPLETE. 12/2025: 100% COMPLETE.

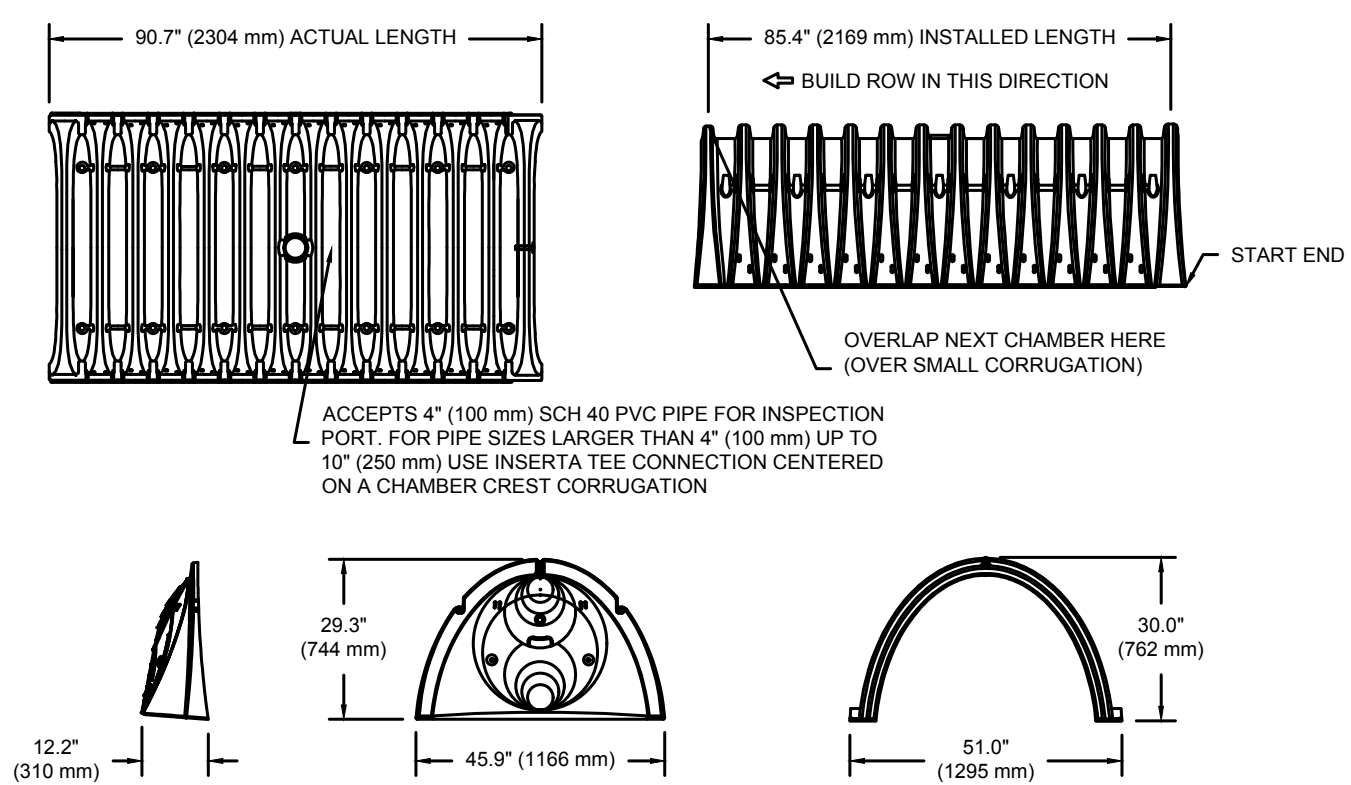


**NOTES:**  
 THIS DETAIL REPRESENTS A MODIFICATION OF A STANDARD STORM MANHOLE FOR USE IN CONTROLLING THE DISCHARGE FROM THE DETENTION AREA. SEE THE MANHOLE DETAIL FOR STANDARD DIMENSIONS AND NOTES.

**BUILT-IN WEIR WALL - DET 110**

WEIR CREST ELEVATION	110.0
INLET PIPE DIAMETER	15"
INLET PIPE INVERT	618.6
MANIFOLD PIPE DIAMETER	618.6
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	618.0

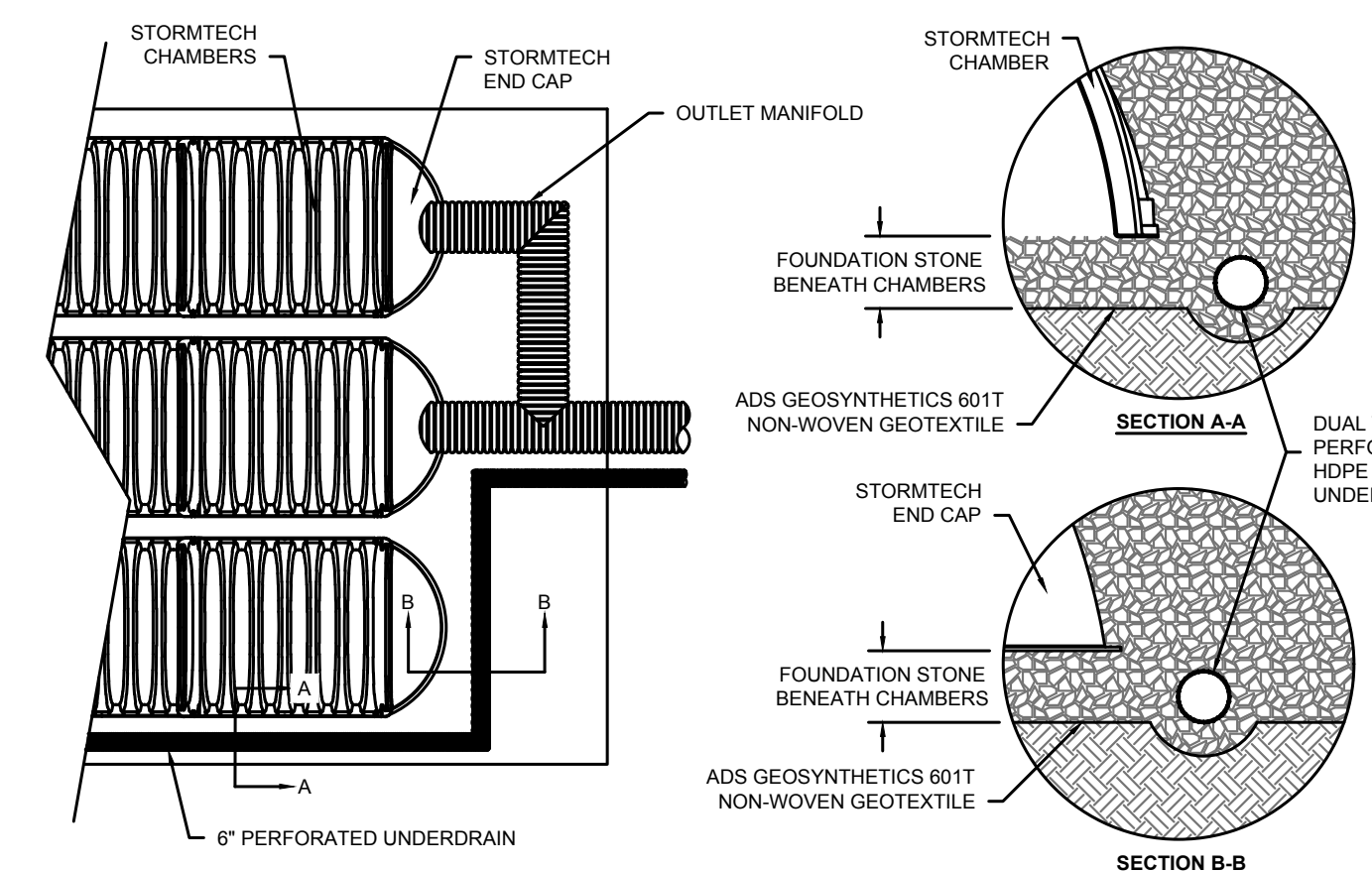
**OUTLET CONTROL STRUCTURE FOR UNDERGROUND DETENTION SYSTEM 110**  
 NOT TO SCALE



**NOMINAL CHAMBER SPECIFICATIONS**

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

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



**UNDERDRAIN DETAIL**  
 NTS

**SC-740 TECHNICAL SPECIFICATION**  
 NTS

PART #	STUB	A	B	C
SC740EP00T / SC740EP00TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740EP00B / SC740EP00BPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740EP08T / SC740EP08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.6" (15 mm)
SC740EP08B / SC740EP08BPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.6" (15 mm)
SC740EP10T / SC740EP10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EP10B / SC740EP10BPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EP12T / SC740EP12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	1.2" (30 mm)
SC740EP12B / SC740EP12BPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	1.2" (30 mm)
SC740EP15T / SC740EP15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	1.3" (33 mm)
SC740EP15B / SC740EP15BPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	1.3" (33 mm)
SC740EP18T / SC740EP18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.8" (41 mm)
SC740EP18B / SC740EP18BPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.8" (41 mm)
SC740EP24B	24" (600 mm)	18.5" (470 mm)	—	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EP24B 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.

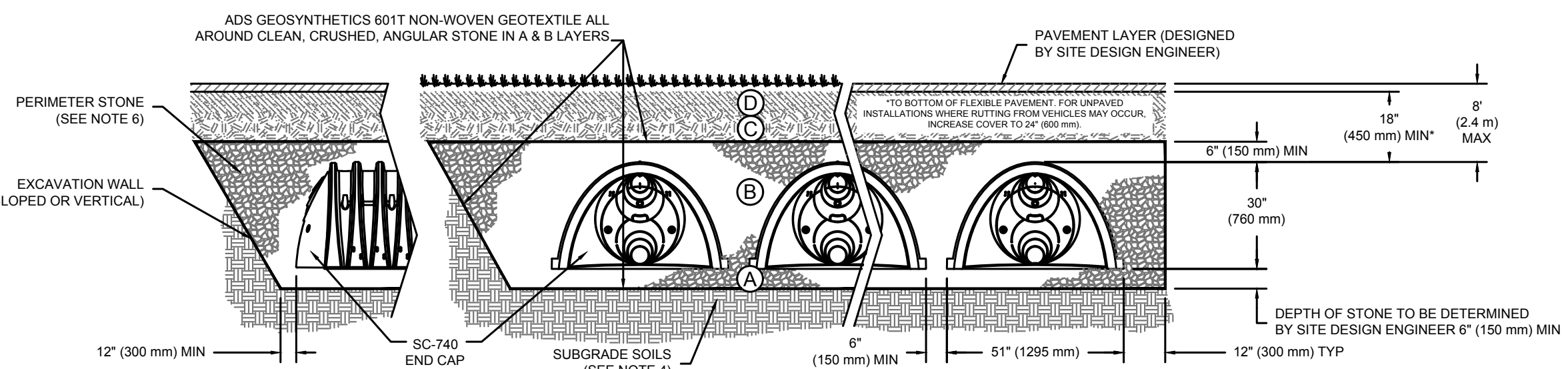
\* FOR THE SC740EP24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

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

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	<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.
C	<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.	AASHTO M145 <sup>1</sup> A-1, A-2.4, A-3 OR AASHTO M43 <sup>3</sup> 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 86% 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>EMBEDMENT STONE:</b> FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 <sup>3</sup> 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	<b>FOUNDATION STONE:</b> FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 <sup>3</sup> 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>1,2</sup>

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. 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.



**NOTES:**

- SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) 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".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- 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.
- 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.

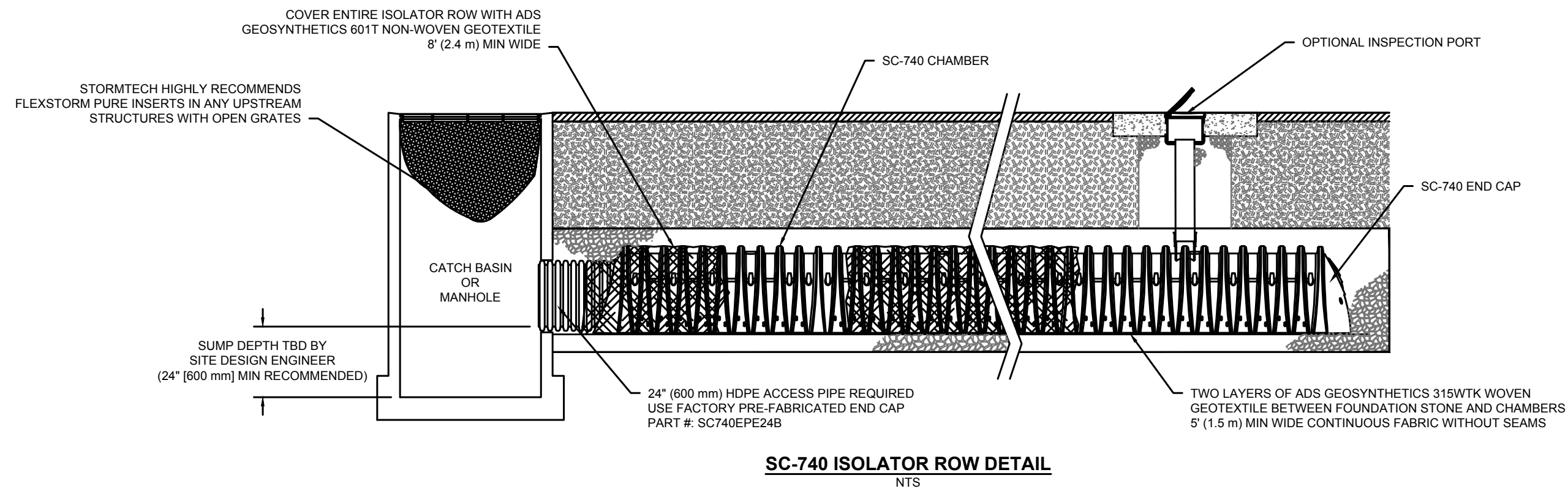
**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
  - 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 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.
- B. ALL ISOLATOR ROWS
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - MIRRORS ON 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 USING THE JET/VAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
  - APPLY MULTIPLE PASSES OF JET/VAC UNTIL BACKFACING 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.

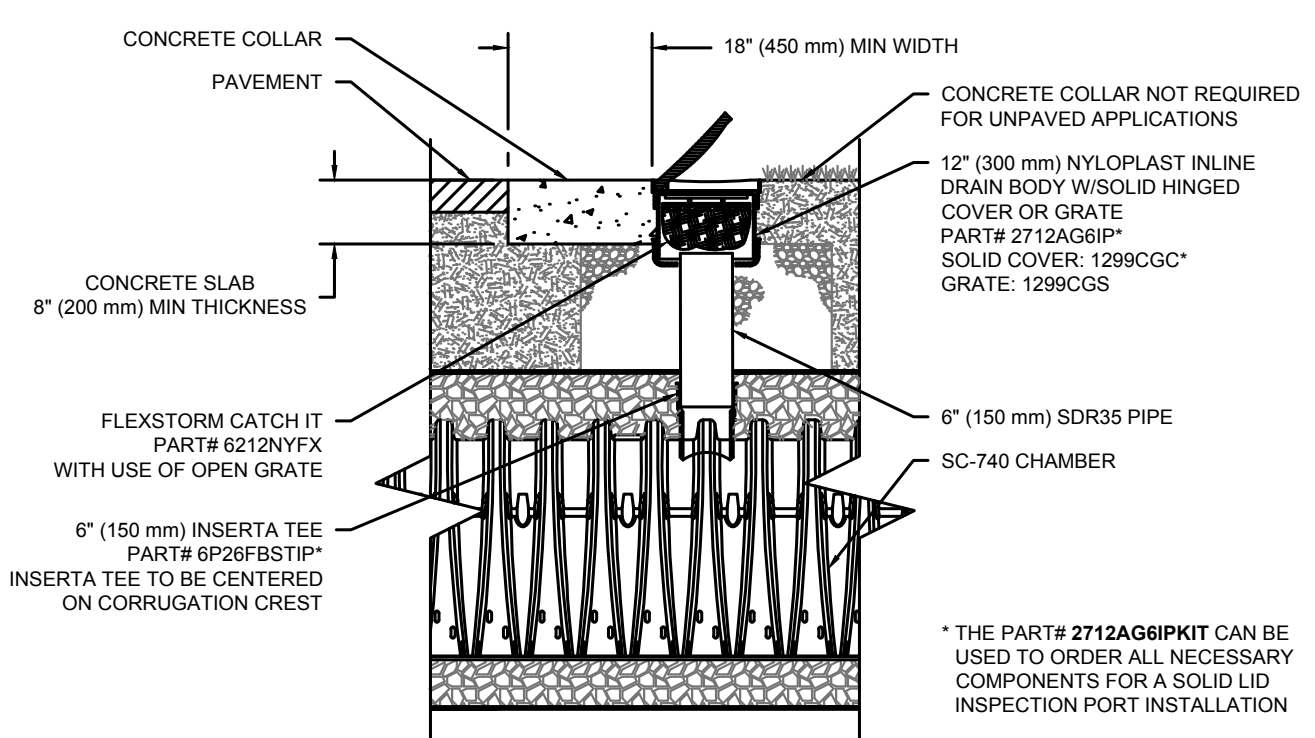
**NOTES**

- 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.

**STORMTECH SC-740 CHAMBER STANDARD DETAILS**  
 NOT TO SCALE



**SC-740 ISOLATOR ROW DETAIL**  
 NTS



**SC-740 6" INSPECTION PORT DETAIL**  
 NTS

\* THE PART# 2712AG6PKIT CAN BE USED TO ORDER ALL NECESSARY COMPONENTS FOR A SOLID LID INSPECTION PORT INSTALLATION



**SLR**  
 99 REALTY DRIVE  
 CHESTER, CT 06410  
 203.271.1773  
 SLRCONSULTING.COM

DESCRIPTION	DATE	BY
ZONING SUBMISSION	04/29/2021	TDR
TOWN ENGINEER COMMENTS	09/12/2021	TDR

**SITE DETAILS**  
 NEW FAIRFIELD SHOPPING CENTER  
 PROPOSED SITE IMPROVEMENTS  
 1 BRUSH HILL ROAD  
 NEW FAIRFIELD, CONNECTICUT

TR	TR	RE
DESIGNED	DRAWN	CHECKED

AS NOTED  
 APRIL 9, 2021  
 PROJECT NO. 7047-01

**SD-3**