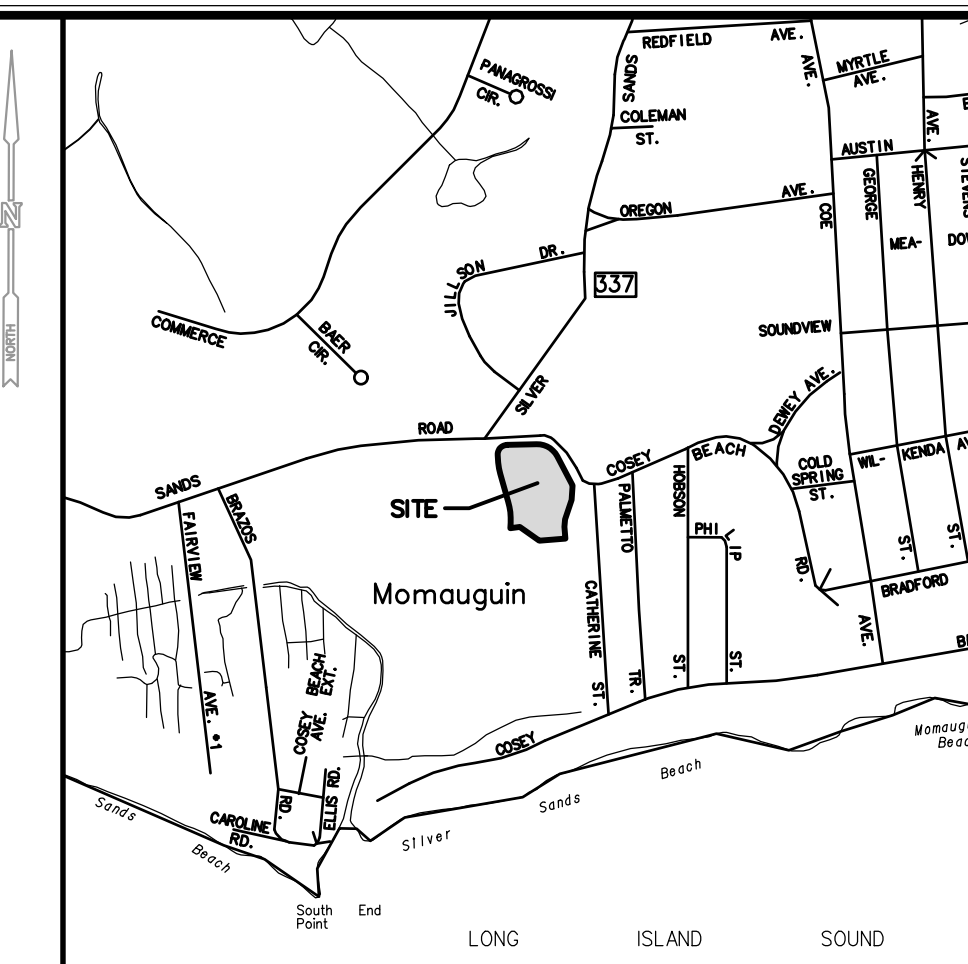


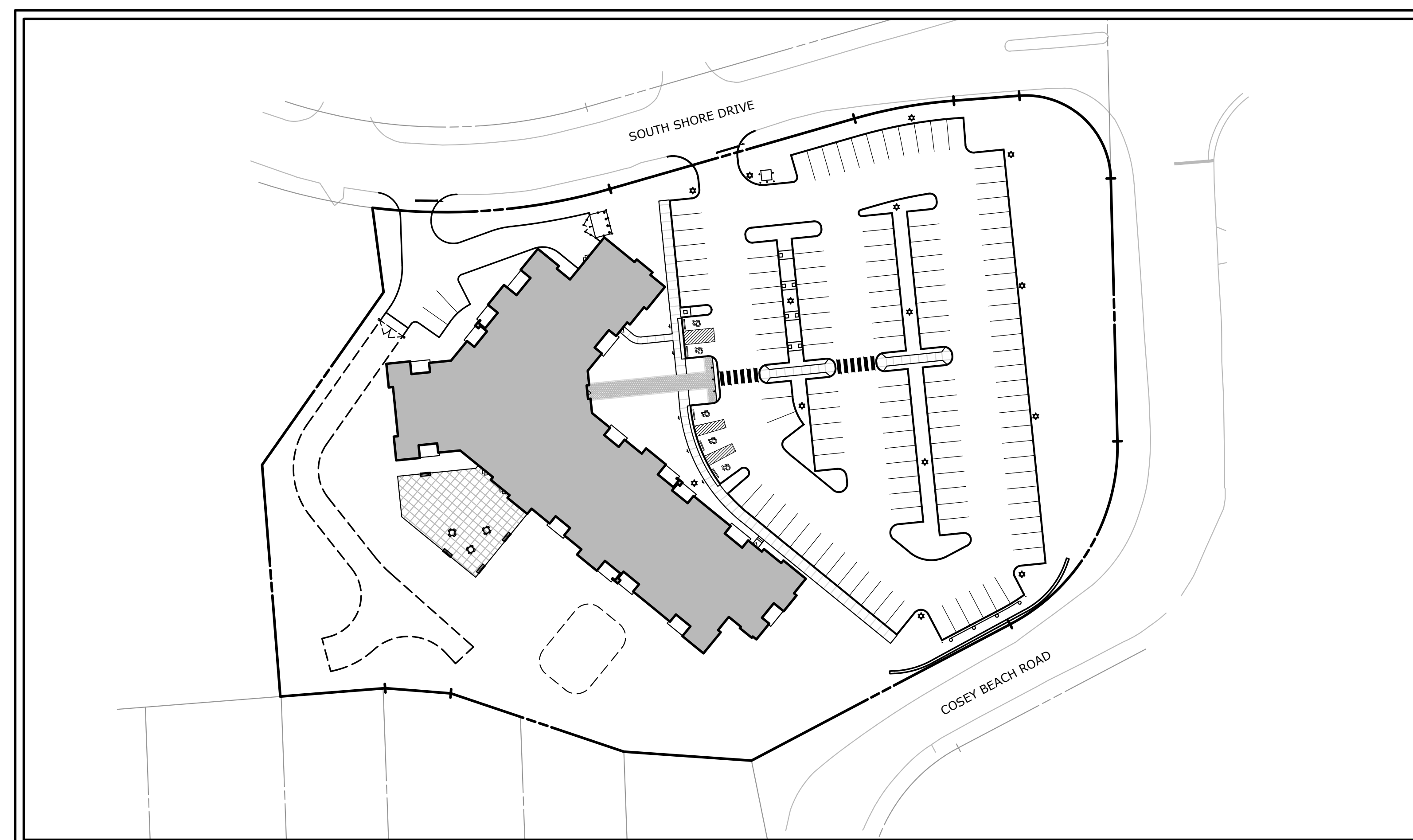
# MARINERS POINT APARTMENTS HOUSING DEVELOPMENT

71 SOUTH SHORE DRIVE  
EAST HAVEN, CONNECTICUT

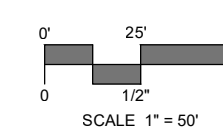
JANUARY 24, 2023  
REVISED: APRIL 27, 2023



LOCATION MAP  
SCALE: 1"=1000'



PROJECT SITE VICINITY MAP:



## GENERAL NOTES

- PROPERTY AND TOPOGRAPHIC INFORMATION HAVE BEEN TAKEN FROM SURVEY ENTITLED, "PROPERTY/TOPOGRAPHIC SURVEY PREPARED FOR VIGLIOTTI CONSTRUCTION COMPANY 71 SOUTH SHORE DRIVE EAST HAVEN, CONNECTICUT" SCALED 1"=40', DATED NOVEMBER 22, 2022.
- NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT COORDINATE SYSTEM NAD 1983.
- ELEVATIONS, CONTOUR AND BENCHMARKS 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.
- SLR INTERNATIONAL CORPORATION ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY UTILITIES INCLUDING IRRIGATION PIPES PRIOR TO THE START OF CONSTRUCTION.
- 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 GROUND COVER SEED MIX, AS SHOWN ON THE PLANS.
- IN ALL CASES, TOPSOIL AND OTHER CONSTRUCTION MATERIALS SHALL BE DRAWN FROM THE ON-SITE STOCKPILES OF EXISTING MATERIAL. ONLY WHEN ON-SITE STOCKPILES HAVE BEEN USED SHALL MATERIAL BE IMPORTED TO THE SITE.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF EAST HAVEN REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES 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.

## ZONING DATA:

PDD ZONING DISTRICT		
	REQUIRED/ALLOWED	PROVIDED
MIN. LOT AREA	87,120 SF (2 AC.)	148,880 SF (3.42 AC.)
MIN. LOT WIDTH	100'	>100'
MIN. SETBACK FROM STREET LINE	25'	25.5'
MIN. SIDE SETBACK	25'	25.5'
MIN. REAR SETBACK	50'	60.8'
MAX. STRUCTURE HEIGHT	70'	62'
MAX. BUILDING COVERAGE	20%	15.3%
MAX. TOTAL LOT COVERAGE	50%	49.4%
MAX. FLOOR AREA RATIO	.85	.57

## PREPARED FOR:

ALEX VIGLIOTTI  
VIGLIOTTI CONSTRUCTION CO.  
140 NORTH BRANFORD ROAD  
BRANFORD, CONNECTICUT 06405

## LIST OF DRAWINGS

NO.	NAME	TITLE
01	-	TITLE SHEET
02	EX	SITE PLAN - EXISTING CONDITIONS
03	LA	SITE PLAN - LAYOUT
04	LS	SITE PLAN - LANDSCAPING
05	G&U	SITE PLAN - GRADING & UTILITIES
06	SE-1	SITE PLAN - SEDIMENT & EROSION CONTROLS
07	SE-2	SEDIMENT & EROSION CONTROL NOTES & DETAILS
08-12	SD-1 - SD-5	SITE DETAILS

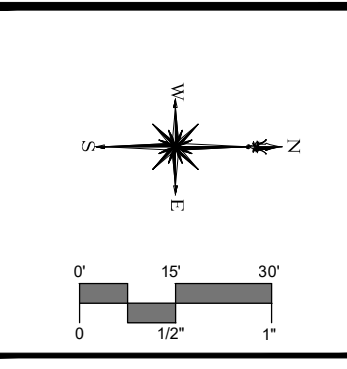
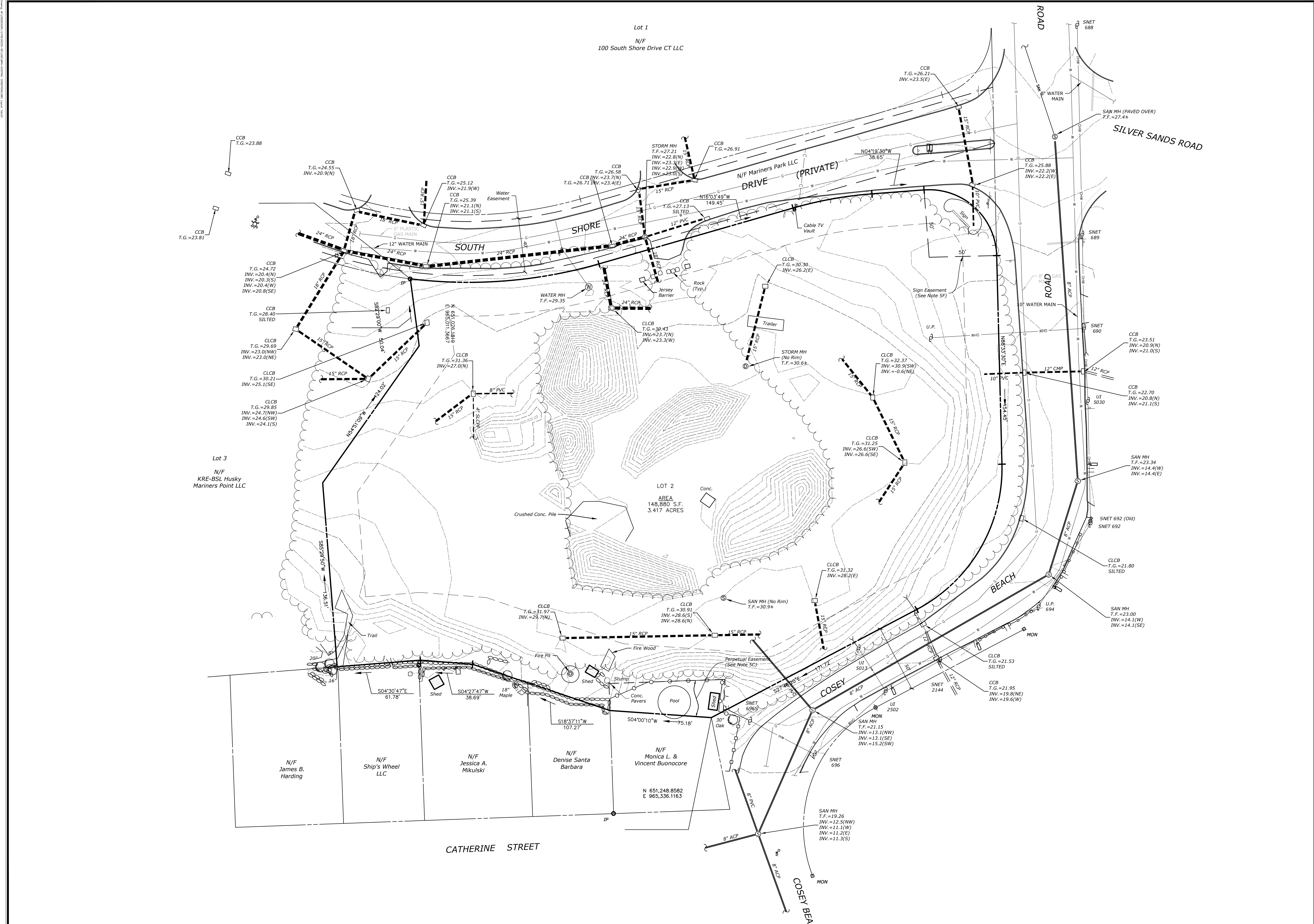
## PREPARED BY:

**SLR**

99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM



Know what's below.  
Call before you dig.  
www.cbyd.com



DESCRIPTION	DATE	BY

**SITE PLAN - EXISTING CONDITIONS**  
**MARINERS POINT APARTMENTS**  
**HOUSING DEVELOPMENT**  
**71 SOUTH SHORE DRIVE**  
**EAST HAVEN, CONNECTICUT**

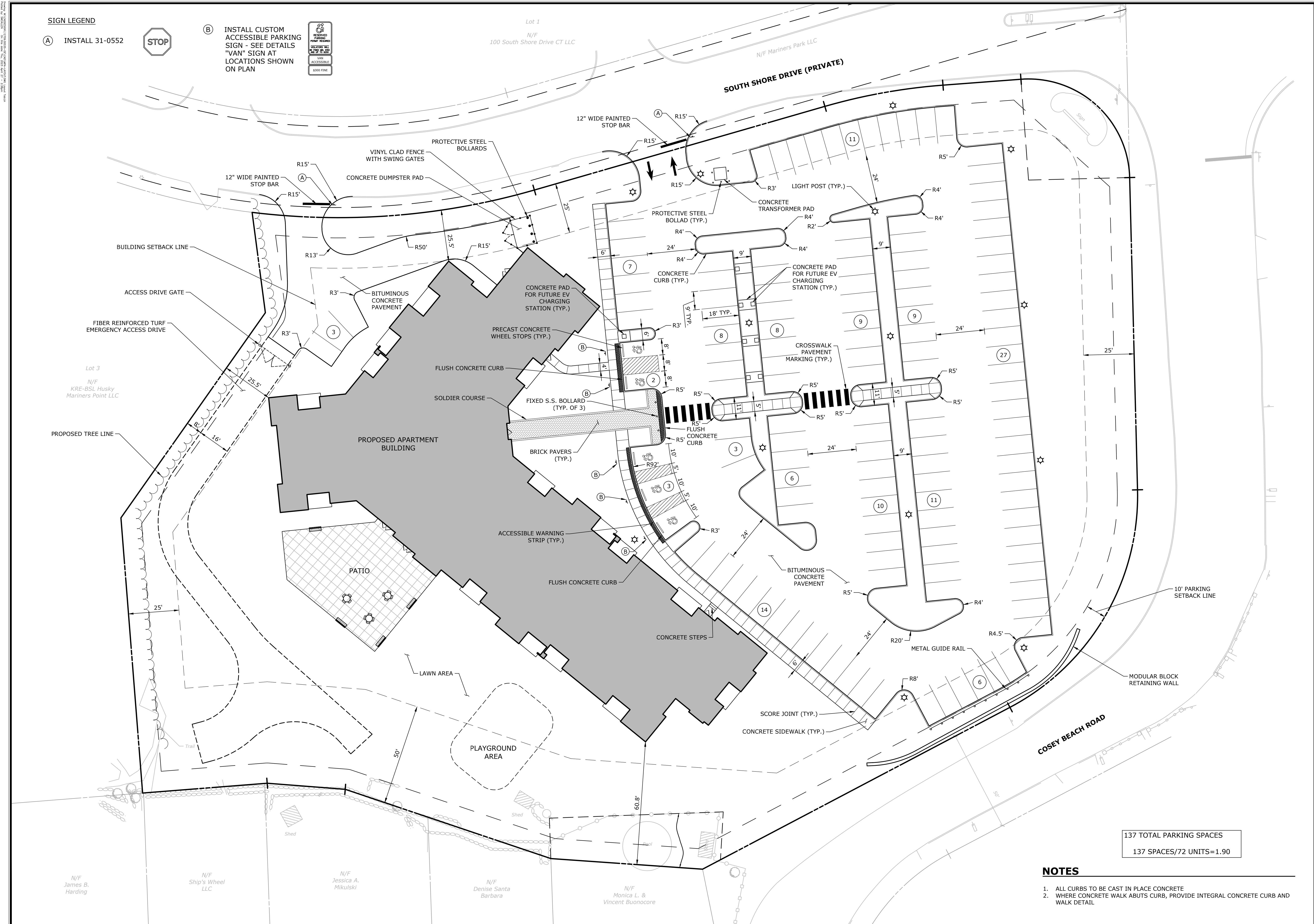
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DESIGNED	DRAWN	CHECKED
SCALE: 1"=30'		
DATE: JANUARY 24, 2023		
PROJECT NO: 12709.00035		
SHEET NO: 2 OF 12		
<b>EX</b>		

**SIGN LEGEND**

(A) INSTALL 31-0552



(B) INSTALL CUSTOM ACCESSIBLE PARKING SIGN - SEE DETAILS "VAN" SIGN AT LOCATIONS SHOWN ON PLAN



137 TOTAL PARKING SPACES  
137 SPACES/72 UNITS=1.90

**NOTES**

1. ALL CURBS TO BE CAST IN PLACE CONCRETE
2. WHERE CONCRETE WALK ABUTS CURB, PROVIDE INTEGRAL CONCRETE CURB AND WALK DETAIL



DESCRIPTION	DATE	BY
TOWN COMMENTS	4/27/2023	SMM

**SITE PLAN - LAYOUT**  
**MARINERS POINT APARTMENTS HOUSING DEVELOPMENT**  
71 SOUTH SHORE DRIVE  
EAST HAVEN, CONNECTICUT

DWD	SMM	DWD
DESIGNED	DRAWN	CHECKED
SCALE: 1"=20'		
DATE: JANUARY 24, 2023		
PROJECT NO: 12709.00035		
SHEET NO: 3 OF 12		

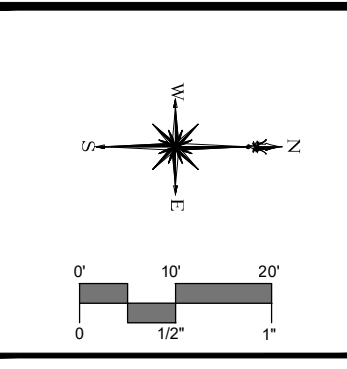
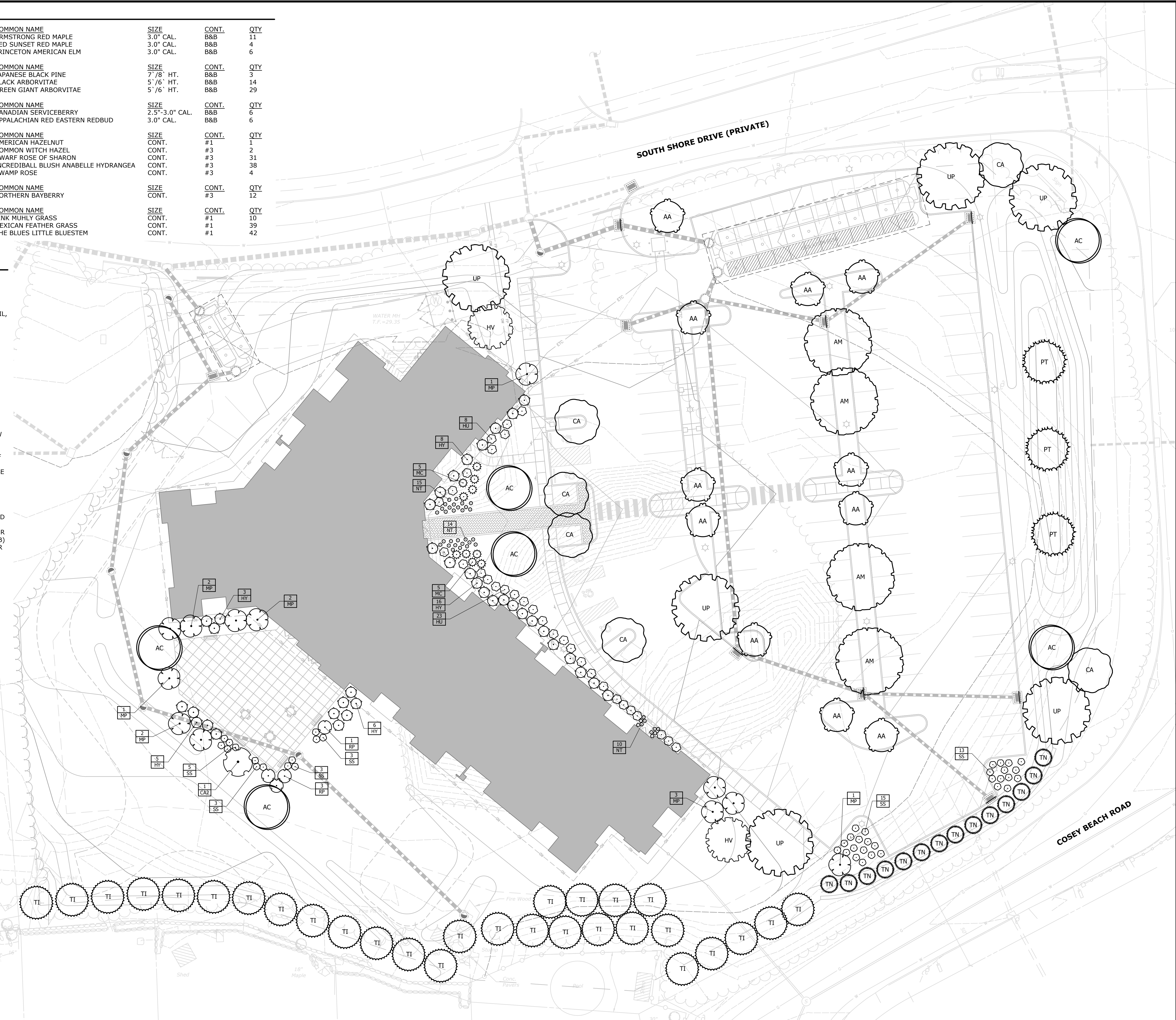
**LA**

**PLANT SCHEDULE**

DECIDUOUS TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
AA	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	3.0" CAL.	B&B	11
AM	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	3.0" CAL.	B&B	4
UP	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	3.0" CAL.	B&B	6
EVERGREEN TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
PT	PINUS 'THUNBERGII'	JAPANESE BLACK PINE	7' 7/8' HT.	B&B	3
TN	THUJA OCCIDENTALIS 'NIGRA'	BLACK ARBORVITAE	5' 7/6' HT.	B&B	14
TI	THUJA X 'GREEN GIANT'	GREEN GIANT ARBORVITAE	5' 7/6' HT.	B&B	29
ORNAMENTAL TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
AC	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY	2.5"-3.0" CAL.	B&B	6
CA	CERCIS CANADENSIS 'APPALACHIAN RED'	APPALACHIAN RED EASTERN REDBUD	3.0" CAL.	B&B	6
DECIDUOUS SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
CA2	CORYLUS AMERICANA	AMERICAN HAZELNUT	CONT.	#1	1
HV	HAMAMELIS VIRGINIANA	COMMON WITCH HAZEL	CONT.	#3	2
HU	HIBISCUS SYRIACUS 'LIL' KIM'	DWARF ROSE OF SHARON	CONT.	#3	31
HY	HYDRANGEA ARBORESCENS 'INCREDIBALL BLUSH'	INCREDIBALL BLUSH ANABELLE HYDRANGEA	CONT.	#3	38
RP	ROSA PALUSTRIS	SWAMP ROSE	CONT.	#3	4
EVERGREEN SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
MP	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	CONT.	#3	12
GRASSES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	QTY
MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	CONT.	#1	10
NT	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	CONT.	#1	39
SS	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	THE BLUES LITTLE BLUESTEM	CONT.	#1	42

**PLANTING NOTES**

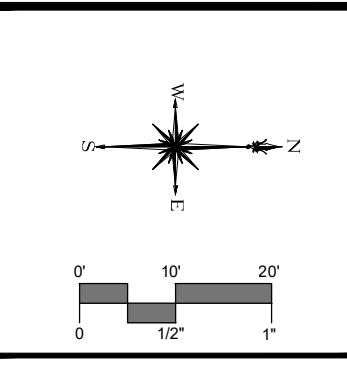
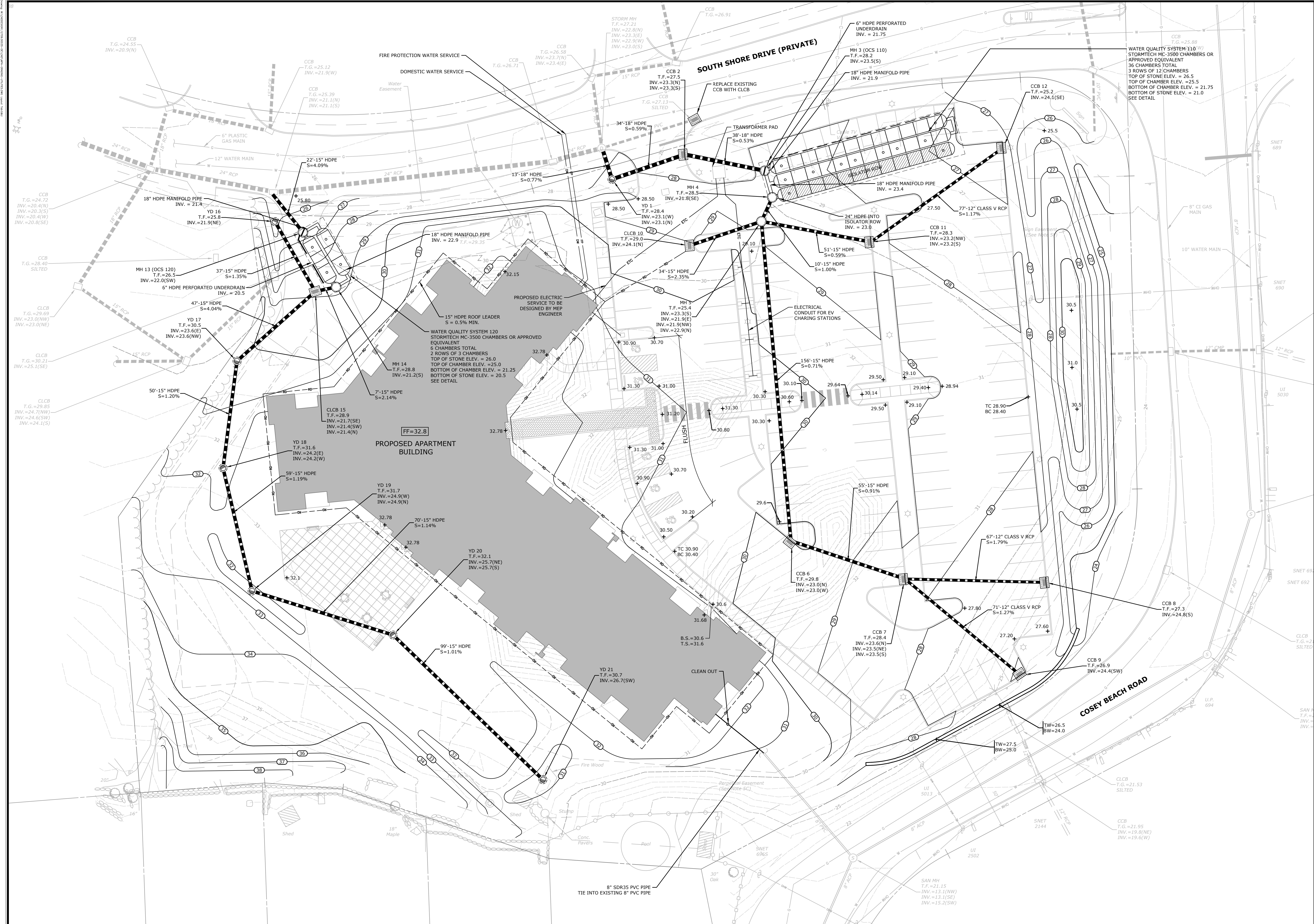
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
- SEED ALL DISTURBED AREAS TO LAWN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE A 6" MINIMUM DEPTH OF SCREENED TOPSOIL, AS SPECIFIED, FOR ALL LAWN AREAS. AS NOTED ON THE DETAILS, SUBGRADE BENEATH PROPOSED LAWN AREAS SHALL BE LOOSENEED OR SCARIFIED TO A MINIMUM DEPTH OF 24 INCHES.
- ALL PLANTING BEDS SHALL HAVE 12" MINIMUM DEPTH OF TOPSOIL.
- THE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF SHREDDED BARK MULCH OVER ALL PLANTING BEDS AND TREE PLANTINGS. MULCHED PLANT BEDS SHALL EXTEND 12" FURTHER THAN THE ADJACENT PLANTINGS. NO DYED MULCH.
- ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO AND AFTER PLANTING.
- PLANT SPECIES MAY BE ADJUSTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE IN AN UNHEALTHY CONDITION BY THE LANDSCAPE ARCHITECT. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST.
- MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD. MAINTENANCE SHALL INCLUDE WATERING, MULCHING, TIGHTENING & REPLACING OF GUYS, REPLACEMENT OF SICK OR DEAD PLANTS, RESETTING PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, RESTORATION OF SAUCERS, AND ALL OTHER CARE NEEDED FOR PROPER GROWTH OF THE PLANTS.
- WHERE A SIZE RANGE IS SPECIFIED AT LEAST 50% OF PLANTS PROVIDED SHALL BE OF THE LARGER SIZE.
- CONTRACTOR TO REMOVE TREE STAKES AFTER ONE GROWING SEASON.
- TAKE NOTE TO PROTECT ROOT ZONES OF EXISTING TREES ROOT ZONES DURING CONSTRUCTION AS SHOWN ON PLANS.



DESCRIPTION	DATE	BY
TOWN COMMENTS	4/27/2023	PJP

**SITE PLAN - LANDSCAPING**  
**MARINERS POINT APARTMENTS**  
**HOUSING DEVELOPMENT**  
 71 SOUTH SHORE DRIVE  
 EAST HAVEN, CONNECTICUT

PJP	PJP	DWD
DESIGNED	DRAWN	CHECKED
1"=20'		
JANUARY 24, 2023		
DATE		
12709.00035		
PROJECT NO.		
4 OF 12		
SHEET NO.		
<b>LS</b>		
SHEET NAME		



DESCRIPTION	DATE	BY
TOWN COMMENTS	4/27/2023	SMW

**SITE PLAN - GRADING & UTILITIES**  
**MARINERS POINT APARTMENTS**  
**HOUSING DEVELOPMENT**  
 71 SOUTH SHORE DRIVE  
 EAST HAVEN, CONNECTICUT

DWD	PJP	DWD
DESIGNED	DRAWN	CHECKED
SCALE: 1"=20'		
DATE: JANUARY 24, 2023		
PROJECT NO: 12709.00035		
SHEET NO: 5 OF 12		
<b>G&amp;U</b>		

**SOIL EROSION AND SEDIMENT CONTROL NARRATIVE**

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, TOWN OF EAST HAVEN REQUIREMENTS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

**1. PURPOSE AND DESCRIPTION OF PROJECT**

- A.) THE CONSTRUCTION OF A 72 UNIT APARTMENT BUILDING.
- B.) DISTURBED AREA: ±3.3 AC

**2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS**

- A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.
- B.) PROTECTION OF ONSITE DRAINAGE SYSTEMS

**3. IDENTIFICATION OF OTHER POSSIBLE PERMITS**

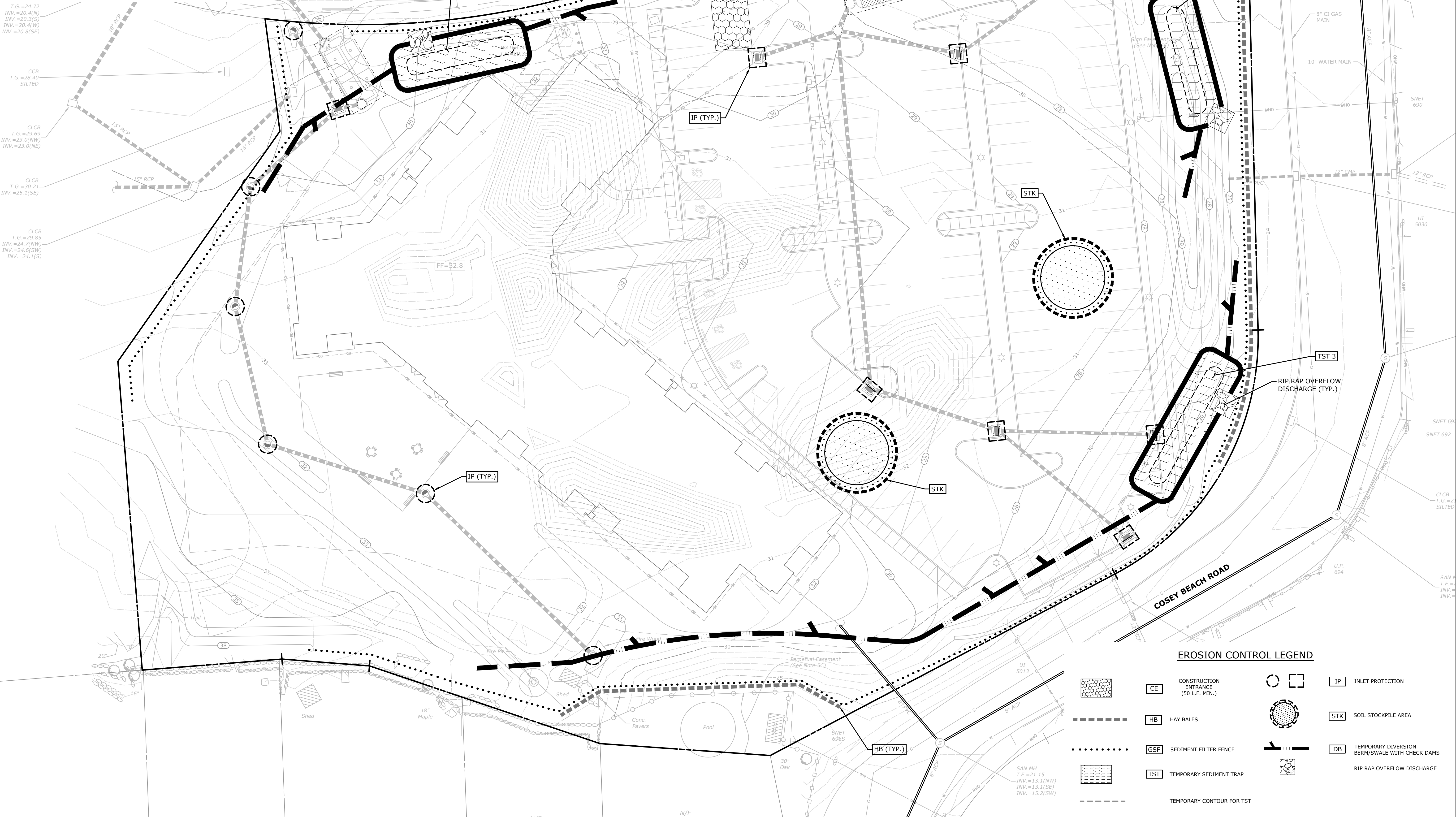
THE PERMITS REQUIRED FOR THE PROJECT ARE LOCAL PLANNING AND ZONING PERMITS.

**4. PARTY RESPONSIBLE FOR SEDIMENT AND EROSION CONTROLS**

VIGLIOTTI CONSTRUCTION COMPANY

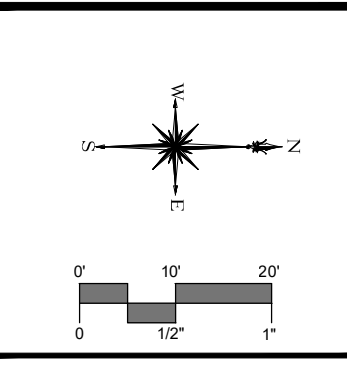
TEMPORARY SEDIMENT TRAP SIZING SUMMARY				
TRAP NO.	ACRES	VOLUME STORAGE REQUIRED	DEPTH STORAGE REQUIRED	
#1	1.0	134 CY	3.5 FT.	60 FT. X 20 FT. 155 CY**
#2	1.0	134 CY	3.5 FT.	60 FT. X 20 FT. 155 CY**
#3	1.3	174 CY	3.5 FT.	70 FT. X 20 FT. 181 CY**

\*134 CY STORAGE VOLUME REQUIRED PER ACRE CONTRIBUTING AREA TO TST  
 \*\*ONE HALF WET-STORAGE, ONE HALF DRY-STORAGE



**EROSION CONTROL LEGEND**

	CE CONSTRUCTION ENTRANCE (50 L.F. MIN.)		IP INLET PROTECTION
	HB HAY BALES		STK SOIL STOCKPILE AREA
	GSF SEDIMENT FILTER FENCE		DB TEMPORARY DIVERSION BERM/SWALE WITH CHECK DAMS
	TST TEMPORARY SEDIMENT TRAP		RIP RAP OVERFLOW DISCHARGE
	TEMPORARY CONTOUR FOR TST		



DESCRIPTION	DATE	BY
TOWN COMMENTS	4/27/2023	SMM

**SITE PLAN - SEDIMENT & EROSION CONTROLS**  
**MARINERS POINT APARTMENTS HOUSING DEVELOPMENT**  
 71 SOUTH SHORE DRIVE  
 EAST HAVEN, CONNECTICUT

SMM	SMM	EAH
DESIGNED	DRAWN	CHECKED
SCALE: 1"=20'		
DATE: JANUARY 24, 2023		
PROJECT NO: 12709.00035		
SHEET NO: 6 OF 12		
<b>SE-1</b>		

### SEDIMENT & 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.

ADDITIONAL TEMPORARY VEGETATIVE COVER MEASURES SUCH AS, FOR EXAMPLE, EROSION CONTROL MATS SHALL BE INSTALLED AS MAY BE DIRECTED BY THE TOWN PLANNER OR ZONING ENFORCEMENT OFFICER.

### LAND GRADING

- GENERAL:
- 1. 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:
    - a. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
    - b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
    - c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
    - d. PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
    - e. 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.
    - f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.
    - g. 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:
- 1. 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.
  - 2. UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
  - 3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.
  - 4. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE. MATERIAL: 1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
  - 5. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE. 3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES LARGER THAN 1.25", LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, NUTGRASS, AND QUACKGRASS.
  - 6. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED, AVOID LIGHT COLORED SUBSOIL MATERIAL. SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT
  - 7. SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PPM) IS LESS 6. THE PH SHOULD BE 5.5 TO 7 IF LESS, ADD LIME TO INCREASE PH TO AN ACCEPTABLE LEVEL.

### EXECUTION

- 1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
- 2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST SIX INCHES (6"), OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

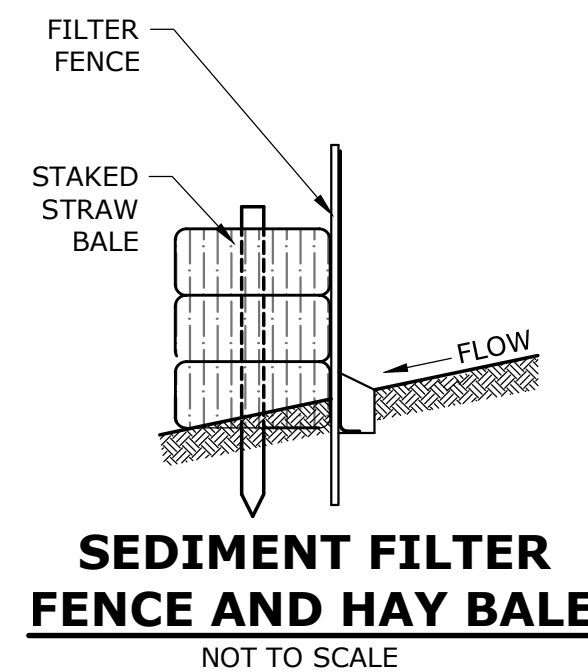
### VEGETATIVE COVER SELECTION & MULCHING

TEMPORARY VEGETATIVE COVER:  
PERENNIAL RYEGRASS 5 LBS./1,000 SQ.FT. (LOLIUM PERENE)  
\* PERMANENT VEGETATIVE COVER: SEE SPECIFICATIONS

TEMPORARY MULCHING:  
CLEAN DRY STRAW OR HAY FREE OF WEEDS WITH A MULCH TACKIFIER 70-90 LBS./1,000 SQ.FT. (TEMPORARY VEGETATIVE AREAS)  
WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

- ESTABLISHMENT:
- 1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
  - 2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. ABOVE).
  - 3. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
  - 4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
  - 5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION ABOVE).
  - 6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
  - 7. 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.

- MAINTENANCE:
- 1. TEST FOR SOIL ACIDITY EVERY THREE (3) YEARS AND LIME AS REQUIRED.
  - 2. ON SITES WHERE GRASSES PREDOMINATE, BROADCAST ANNUALLY 500 POUNDS OF 10-10-10 FERTILIZER PER ACRE (12 LBS. PER 1,000 SQ. FT.) OR AS NEEDED ACCORDING TO ANNUAL SOIL TESTS.
  - 3. ON SITES WHERE LEGUMES PREDOMINATE, BROADCAST EVERY THREE (3) YEARS OR AS INDICATED BY SOIL TEST 300 POUNDS OF 0-20-20 OR EQUIVALENT PER ACRE (6 LBS PER 1,000 SQ. FT.).



**SEDIMENT FILTER FENCE AND HAY BALE**  
NOT TO SCALE

### 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:
- 1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
  - 2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (6") INCHES.
  - 3. 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 FORKE BALES TOGETHER.
  - 4. GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF SIX INCHES (6") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

- INSTALLATION AND MAINTENANCE:
- 1. BAILED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
  - 2. BAILED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
  - 3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
  - 4. INSPECTION SHALL BE FREQUENT (PER TABLE BELOW) 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 IMPROVE STORMWATER FLOW OR DRAINAGE.

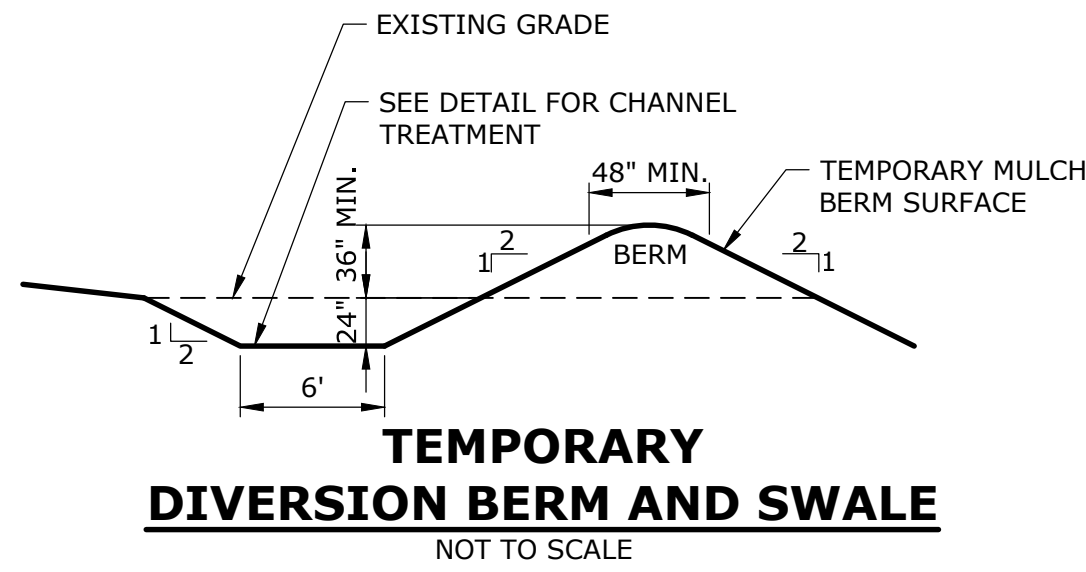
### TEMPORARY VEGETATIVE COVER

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 SEEDS BY SEPTEMBER 1.

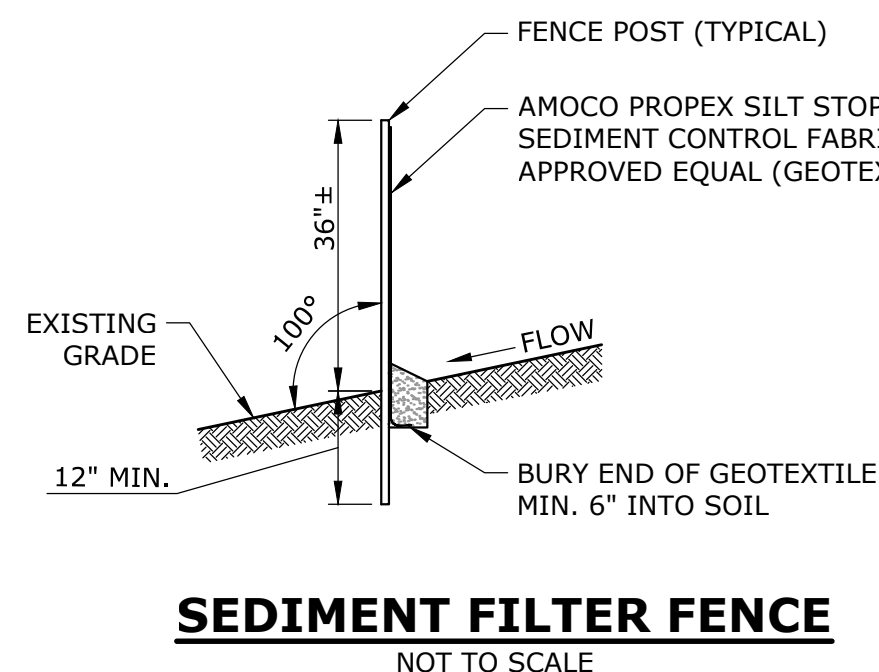
- GENERAL:
- 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
  - 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
  - 3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF TWO (2) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQ. FT.).
  - 4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQ. FT.) AND SECOND APPLICATION OF 200 LBS. OF 10-10-10 (5 LBS. PER 1,000 SQ. FT.) WHEN GRASS IS FOUR INCHES (4") TO SIX INCHES (6") HIGH. APPLY ONLY WHEN GRASS IS DRY.
  - 5. UNLESS HYDROSEED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
  - 6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.
- SITE PREPARATION:
- 1. SELECT APPROPRIATE SPECIES FOR THE SITUATION, NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING)
  - 2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
  - 3. UNLESS HYDROSEED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
  - 4. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (SEE VEGETATIVE)

### 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:
- 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
  - 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
  - 3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
  - 4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
  - 5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR PER THE TECHNICAL SPECIFICATIONS.

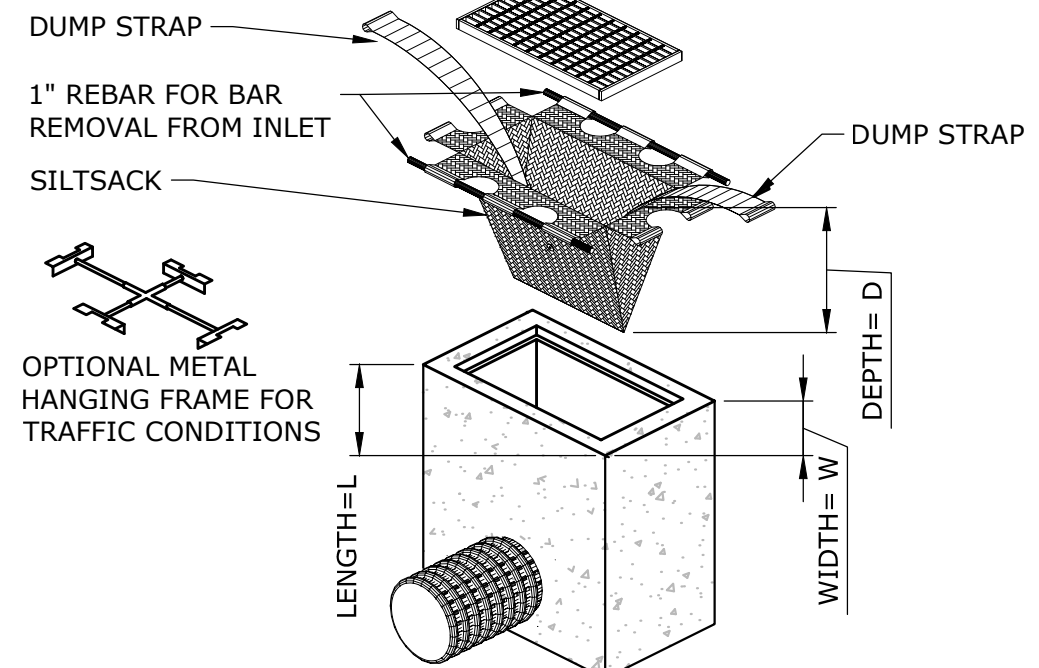
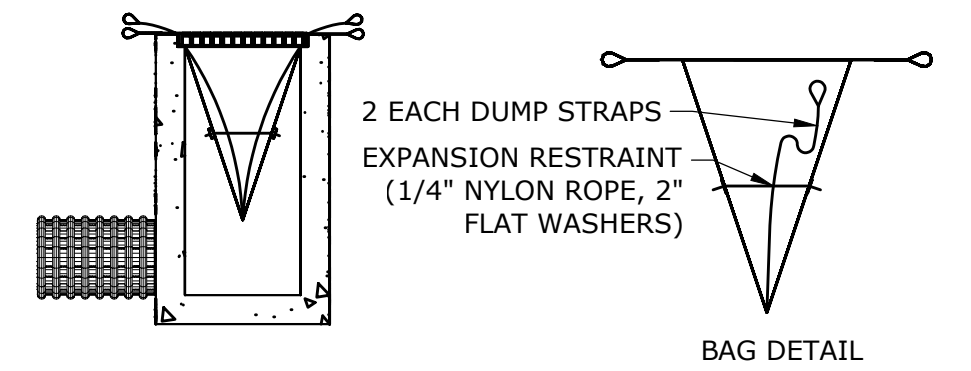


**TEMPORARY DIVERSION BERM AND SWALE**  
NOT TO SCALE

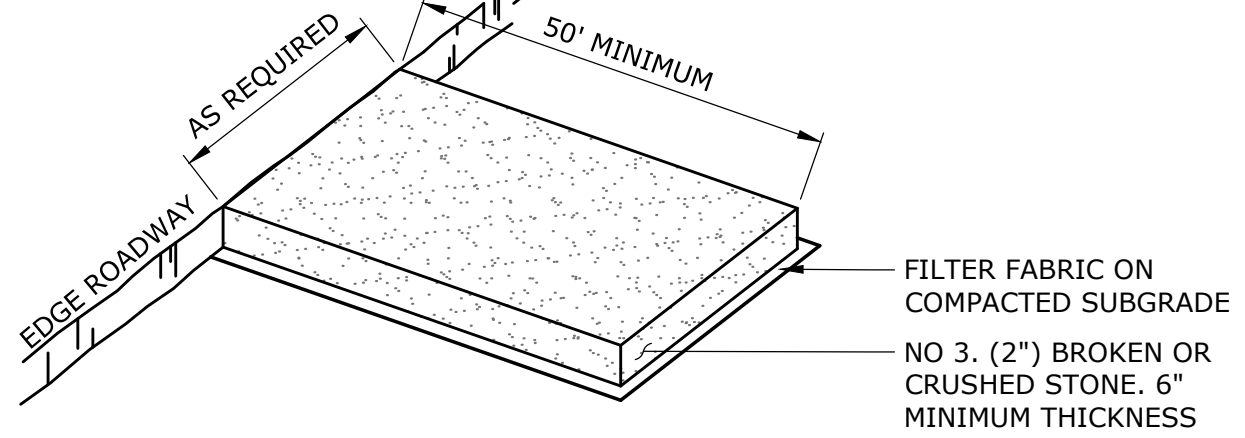


**SEDIMENT FILTER FENCE**  
NOT TO SCALE

EROSION CONTROL MAINTENANCE INTERVALS				
EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
<b>TEMPORARY SEDIMENT TRAP (TST)</b>	- DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL DISTURBED AREAS LONG ENOUGH TO ALLOW A MAJORITY OF THE SEDIMENT TO SETTLE OUT.	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. STONE OUTLET SHOULD BE AT LEAST 0.5 FEET BELOW CREST OF EMBANKMENT. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACHES 1/2 OF THE REQUIRED WET STORAGE.	- TURBID WATER - EXCESSIVE SEDIMENT ACCUMULATION - OVERTOPPING EVIDENCE	TST MAY BE REMOVED ONCE THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
<b>SILT FENCE (SF) (RELATED: IP, STK)</b>	- 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 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.
<b>HAY BALES (HB)</b>	- 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 THE DEPTH OF SEDIMENT IS WITHIN 3" OF THE TOP OF THE BARRIER. 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	HAY BALES MAY BE REMOVED AFTER UPHILL AREAS HAVE BEEN PERMANENTLY STABILIZED.
<b>TEMPORARY DIVERSION BERM/SWALE (TBS) OR TEMPORARY SWALE (TBS)</b>	- MINIMIZE VELOCITY AND CONCENTRATION OF SHEET FLOW ACROSS CONSTRUCTION SITE TO A SEDIMENT TRAPPING FACILITY. - DIVERT WATER ORIGINATING FROM UNDISTURBED AREA AWAY FROM CONSTRUCTION.	WHEN LOCATED WITHIN CLOSE PROXIMITY TO ONGOING CONSTRUCTION ACTIVITIES, INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. OTHERWISE 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. REPAIR THE TEMPORARY MEASURE AND ANY OTHER ASSOCIATED MEASURES WITHIN 24 HOURS.	- PHYSICAL DAMAGE - EXCESSIVE SCOURING/EROSION - REPETITIVE FAILURE	TEMPORARY DIVERSIONS MAY BE REMOVED ONCE CONSTRUCTION HAS CEASED AND THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
<b>CONSTRUCTION ENTRANCE (CE)</b>	- 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 SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
<b>CATCH BASIN INLET PROTECTION (IP)</b>	- 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 - 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.
<b>STOCKPILE PROTECTION (STK)</b>	- 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 SILT FENCE, OR ADDITION OF HAY BALES MAY BE NECESSARY.	- EVIDENCE OF STOCK PILE DIMINISHING DUE TO RAIN EVENTS - FAILURE OF SILT FENCE	STOCKPILE PROTECTION MAY BE REMOVED ONCE THE STOCKPILE IS USED OR REMOVED.

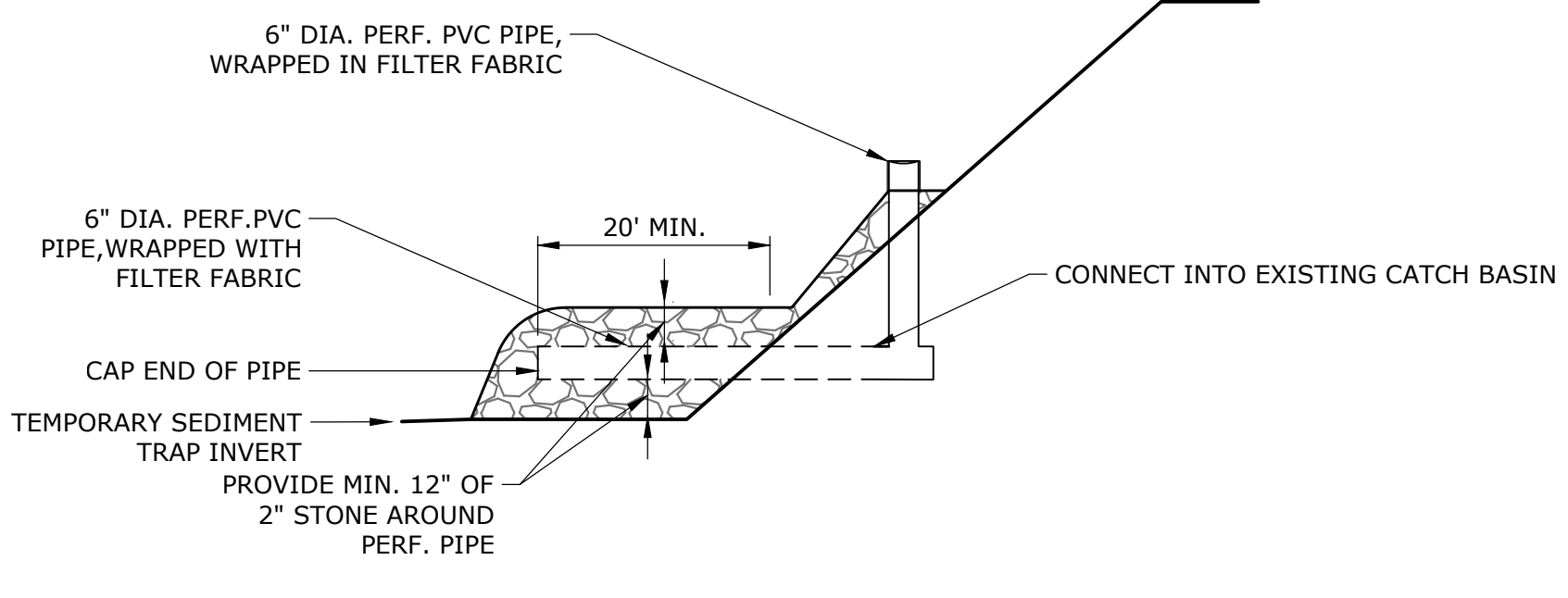


**INLET SEDIMENT CONTROL DEVICE**  
NOT TO SCALE

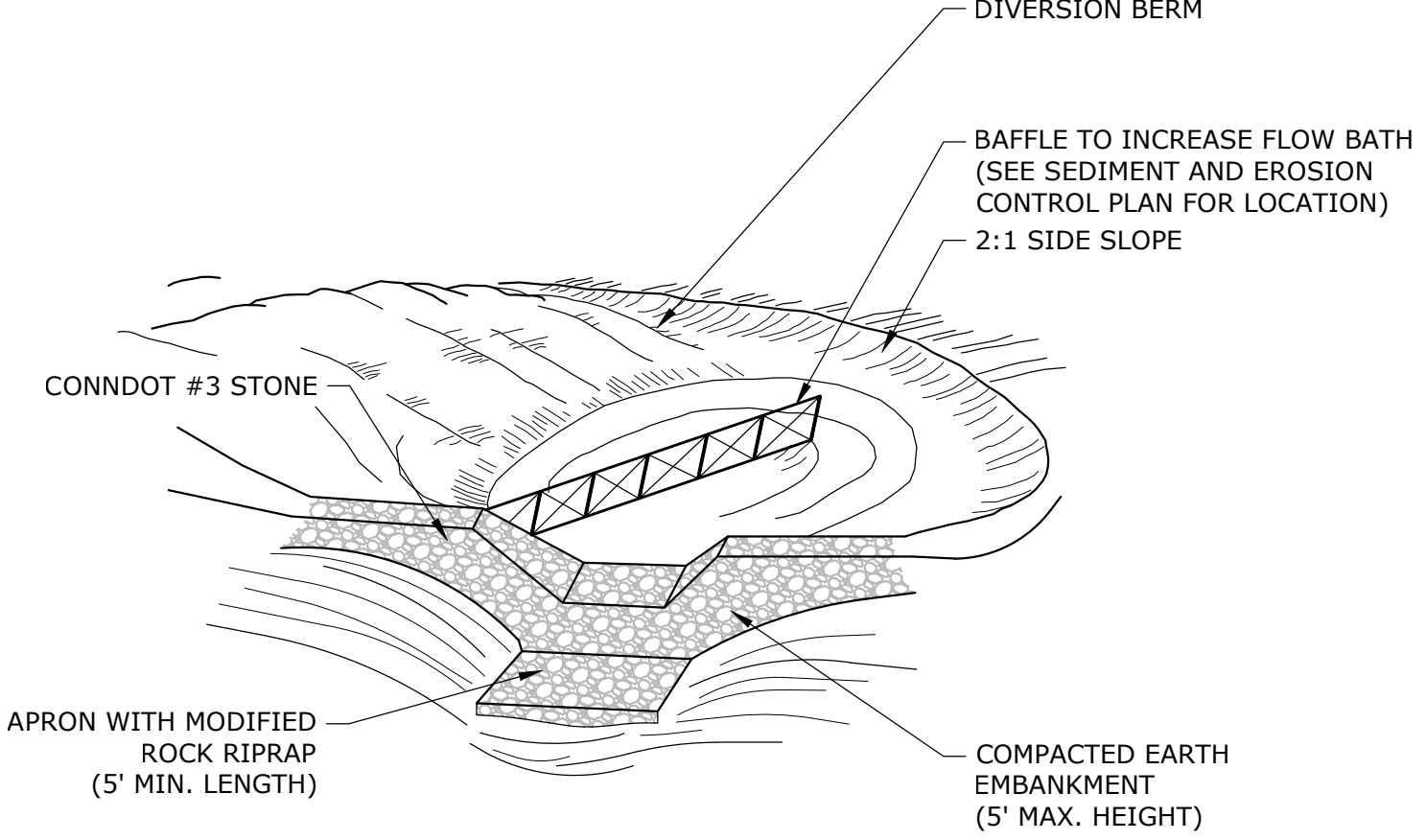


**CONSTRUCTION ENTRANCE PAD**  
NOT TO SCALE

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



**TEMPORARY DEWATERING UNDERDRAIN FOR TEMPORARY SEDIMENT TRAPS**  
NOT TO SCALE



**TEMPORARY SEDIMENT TRAP**  
NOT TO SCALE



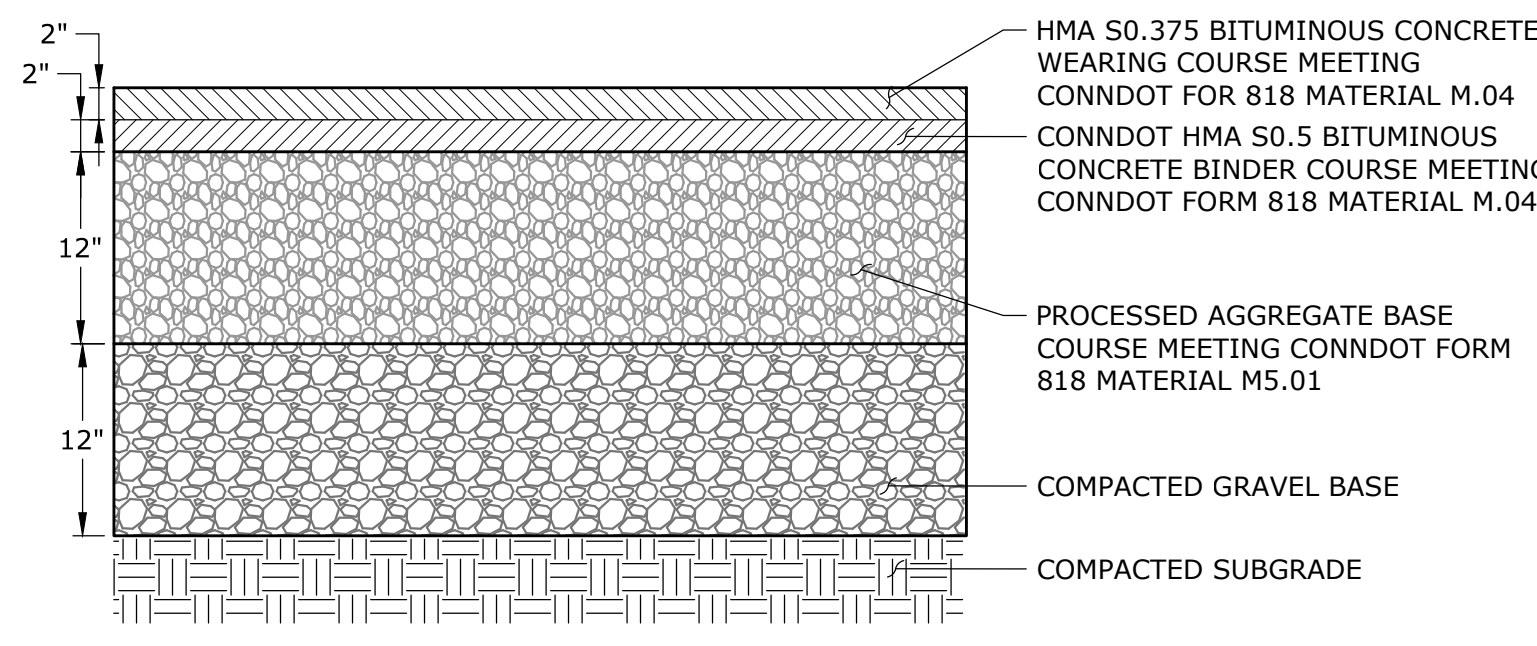
DESCRIPTION	DATE	BY

### SEDIMENT & EROSION CONTROL NOTES & DETAILS

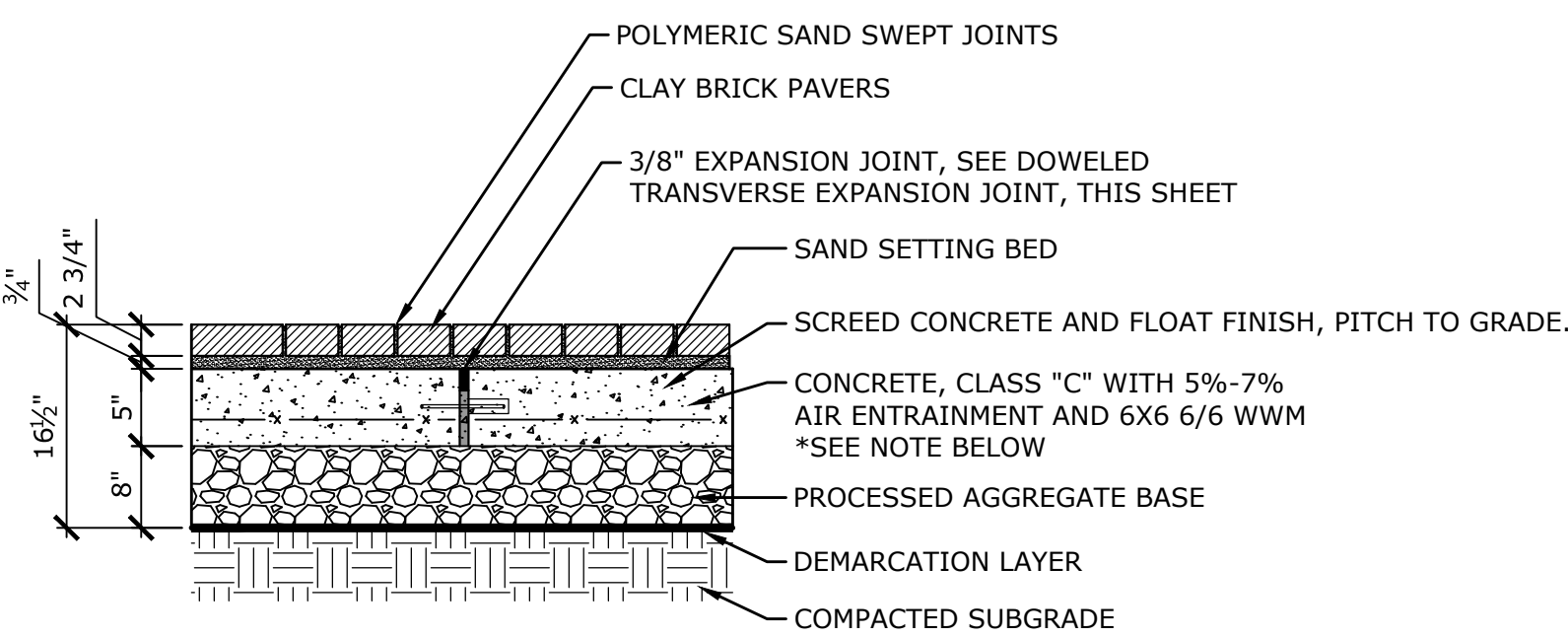
**MARINERS POINT APARTMENTS HOUSING DEVELOPMENT**  
71 SOUTH SHORE DRIVE  
EAST HAVEN, CONNECTICUT

<b>SMM</b> DESIGNED	<b>SMM</b> DRAWN	<b>EAH</b> CHECKED
SCALE AS NOTED		
DATE <b>JANUARY 24, 2023</b>		
PROJECT NO. 12709.00035		
SHEET NO. 7 OF 12		

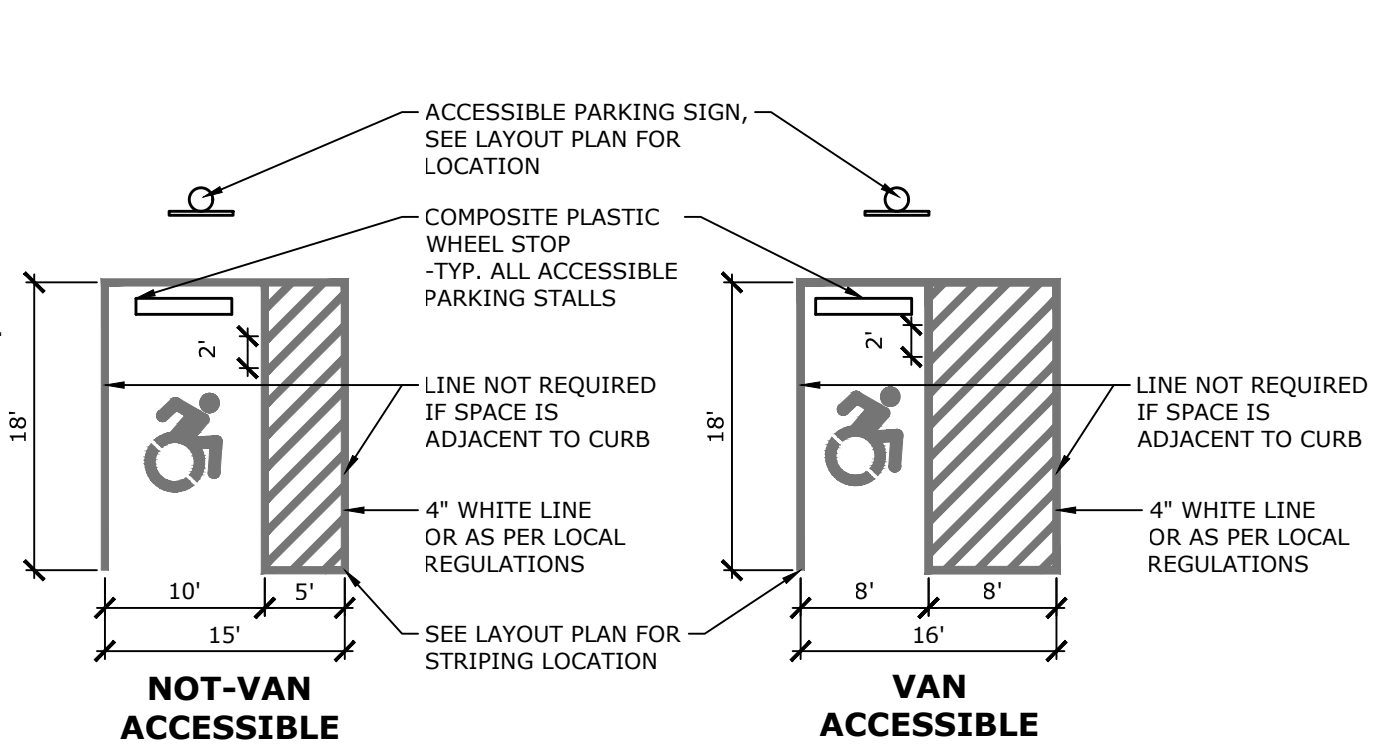
**SE-2**



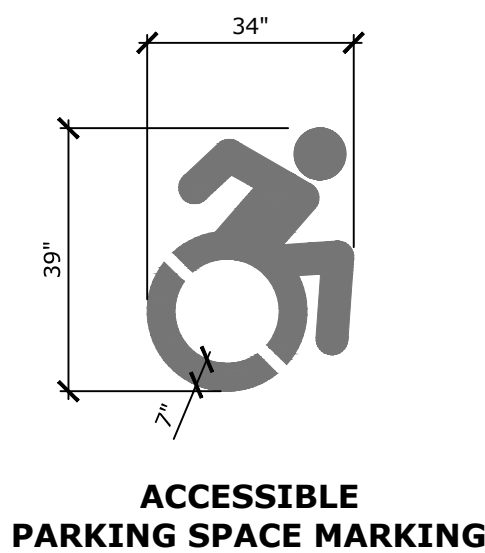
**BITUMINOUS CONCRETE ROADWAY PAVEMENT**  
NOT TO SCALE



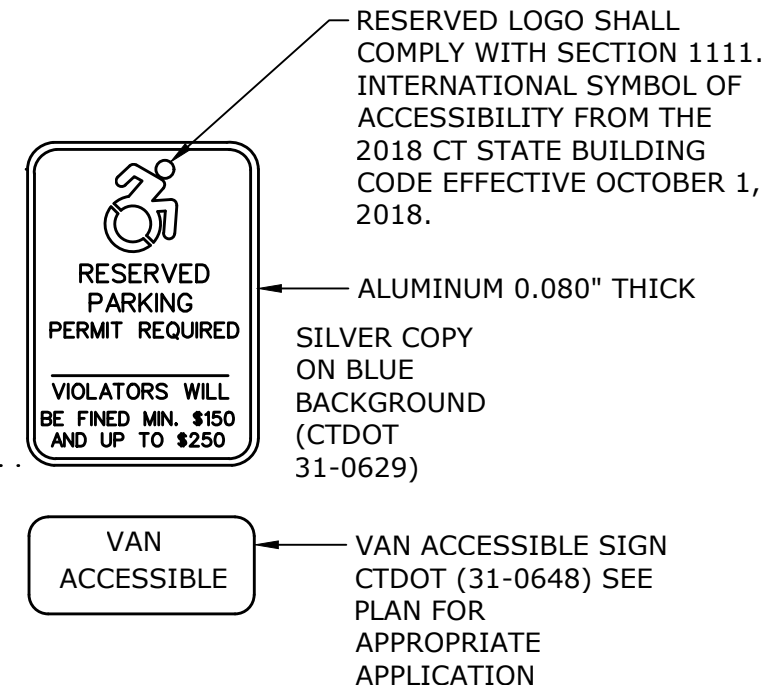
**BRICK PAVER SIDEWALK**  
N.T.S.



**HANDICAP STRIPING**  
NOT TO SCALE

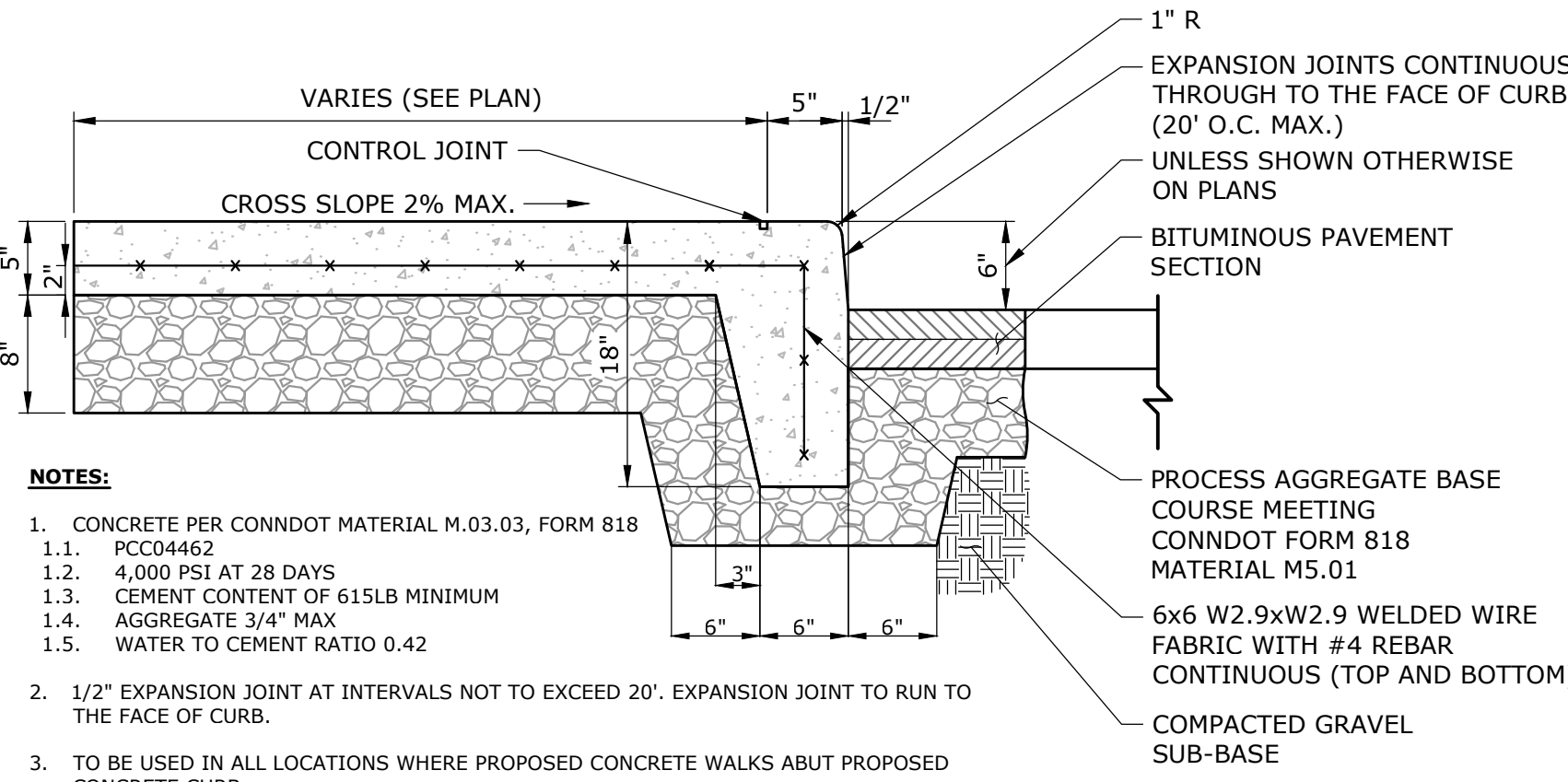


**ACCESSIBLE PARKING SPACE MARKING**

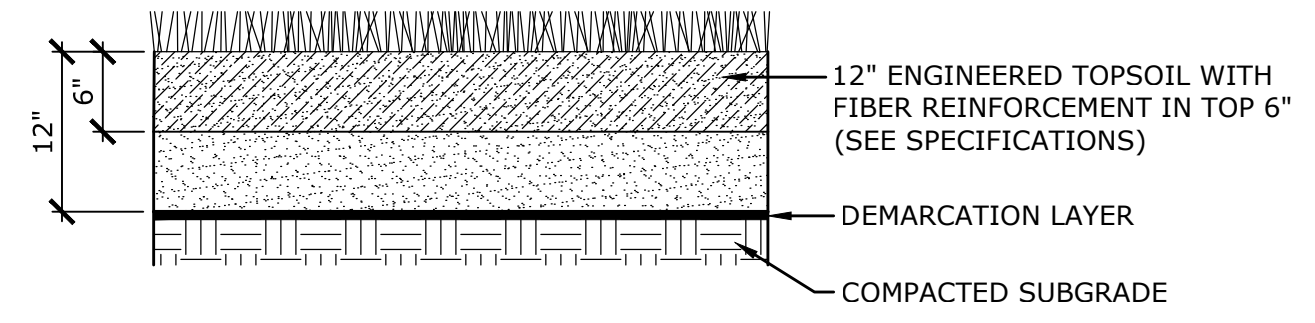


- NOTES:**
- FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS W/ WASHERS, 2 PER SIGN. FOR FENCE MOUNTING, USE NON-CORROSIVE FASTENERS, 2 PER SIGN

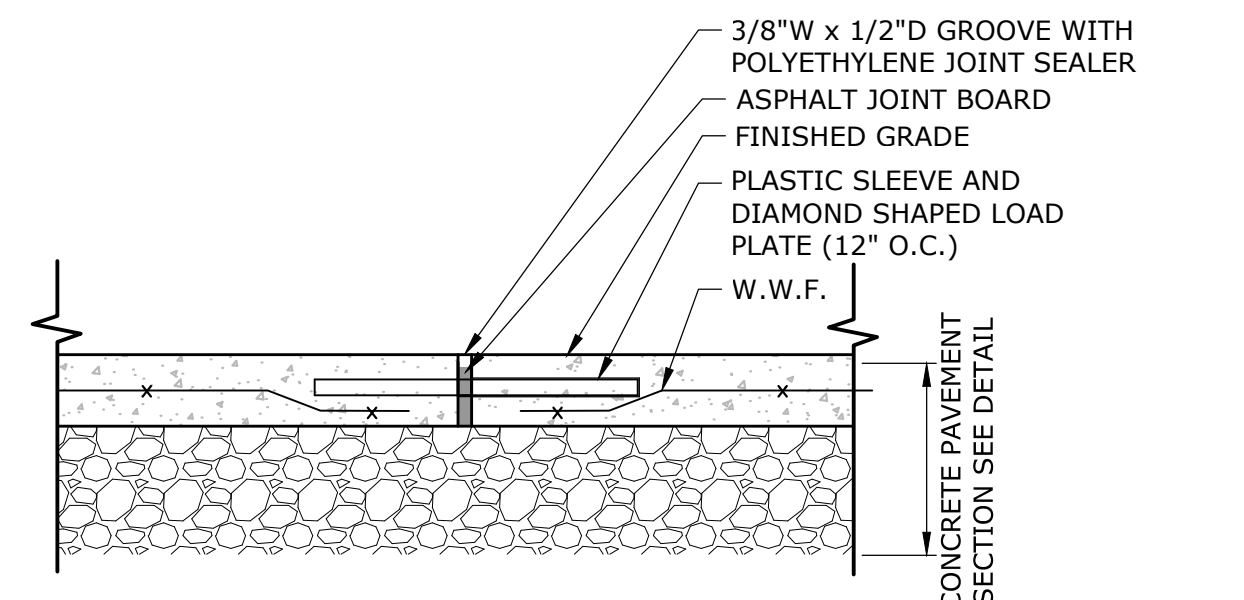
**RESERVED PARKING SIGN**  
NOT TO SCALE



**CAST-IN-PLACE INTEGRAL CONCRETE WALK AND CURB**  
NOT TO SCALE

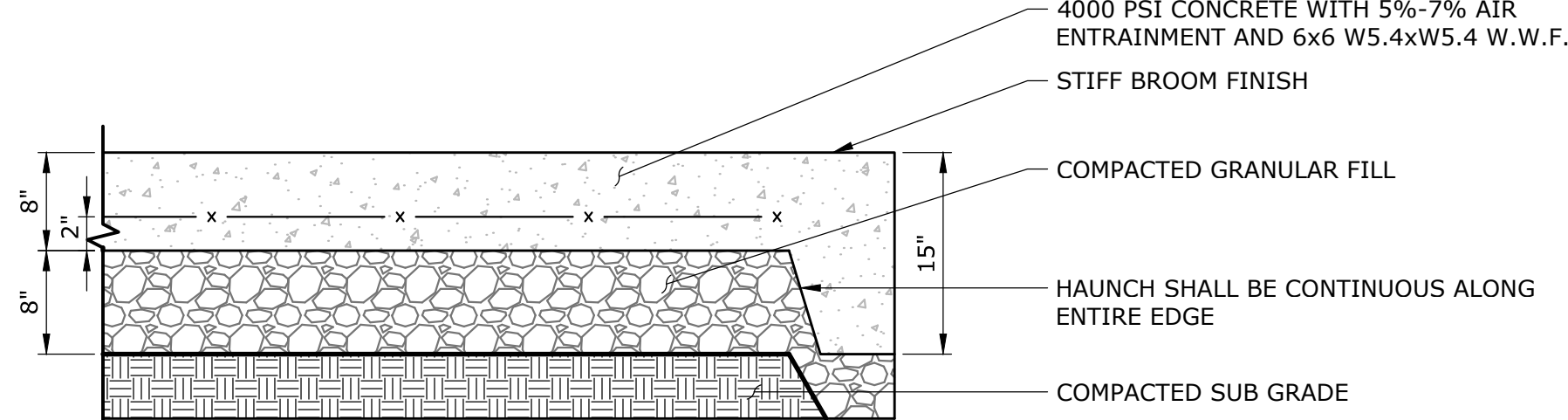


**FIBER REINFORCED TURF**  
N.T.S.



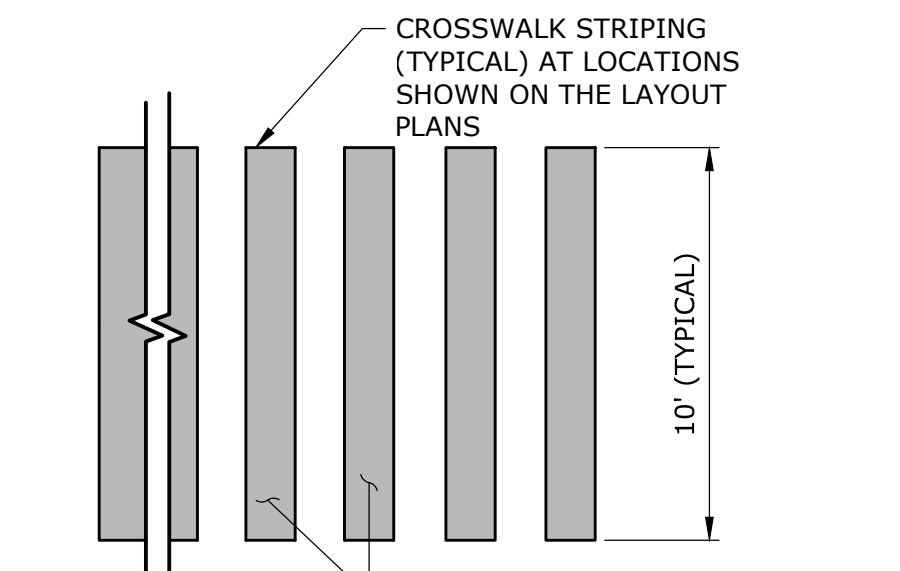
- NOTES:**
- PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINT, AND OTHER LOCATIONS WHERE CONCRETE ABUTTS EXISTING CONCRETE.

**CEMENT CONCRETE EXPANSION JOINT**  
NOT TO SCALE

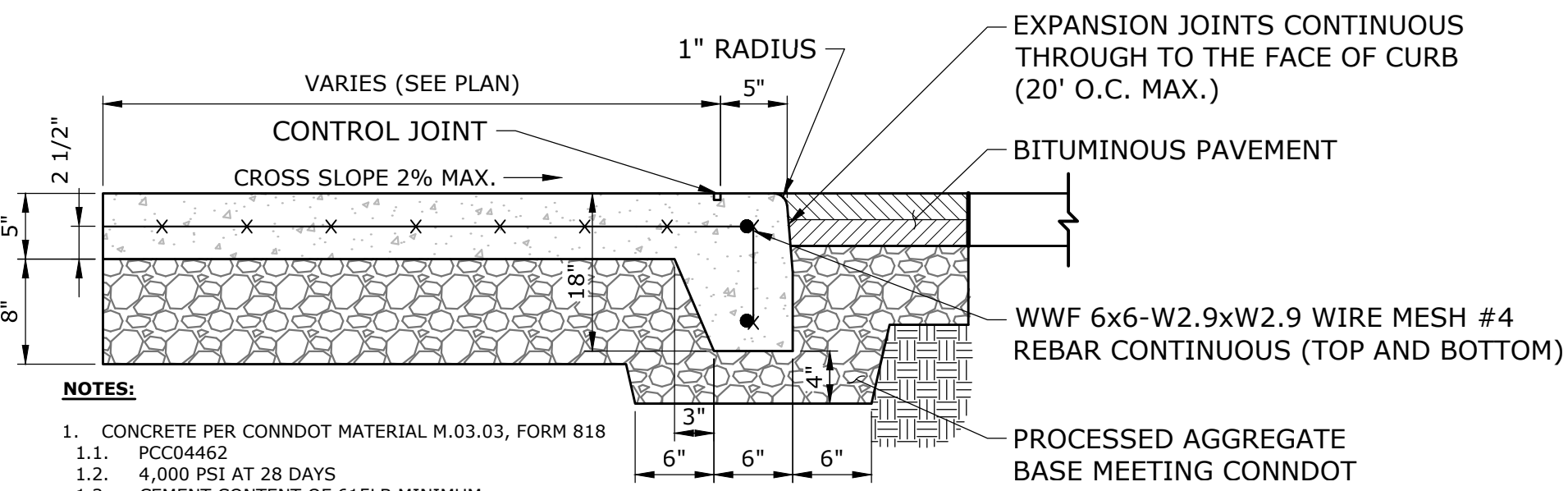


- NOTES:**
- EXPANSION JOINTS EVERY 20LF MAXIMUM OR EVERY 1445F UNLESS OTHERWISE INDICATED ON PLANS (SEE JOINT DETAILS)
  - SCORE JOINTS 5" ON CENTER UNLESS OTHERWISE INDICATED ON PLANS.

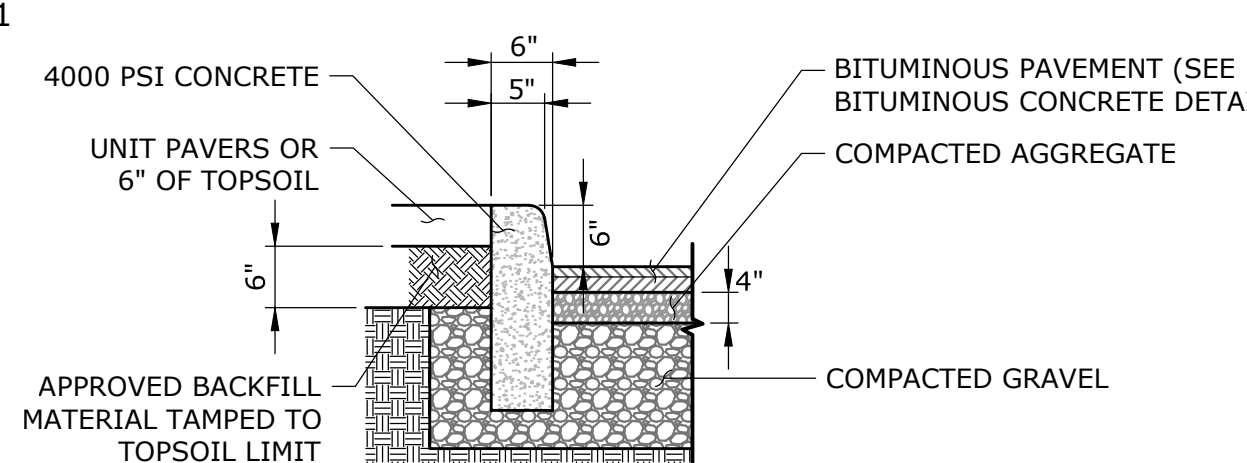
**CONCRETE DUMPSTER & UTILITY PAD**  
NOT TO SCALE



**CROSSWALK PAVEMENT MARKING**  
NOT TO SCALE

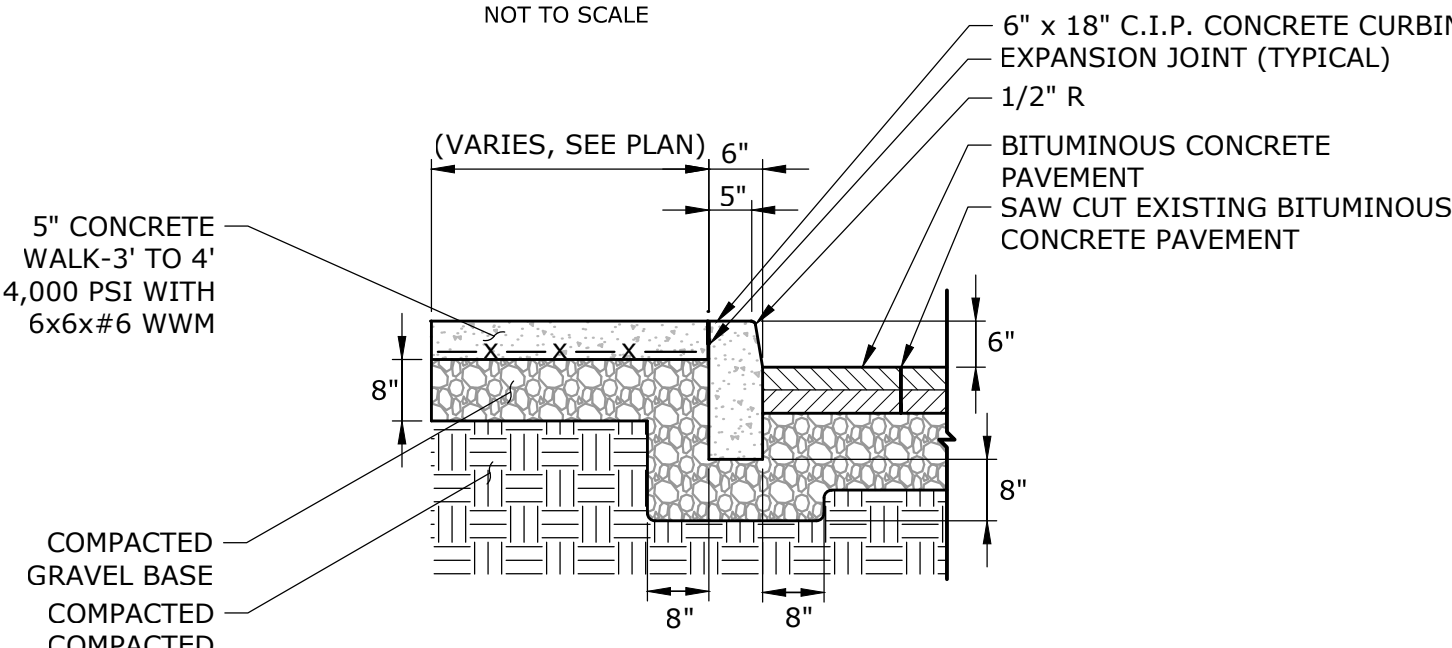


**FLUSH INTEGRAL CONCRETE WALK & CURB**  
NOT TO SCALE

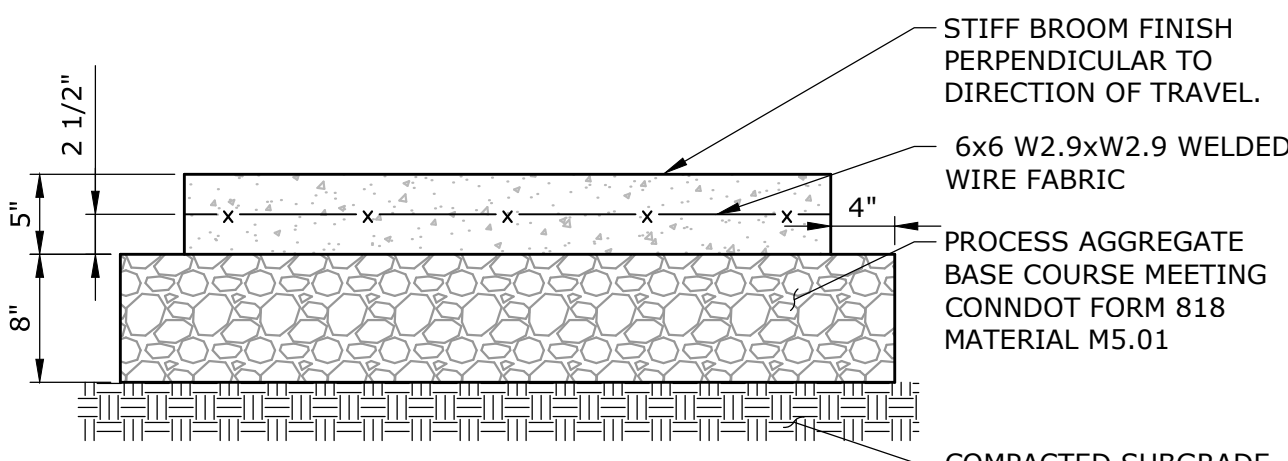


- NOTES:**
- CONCRETE IS TO BE AIR ENTRAINED 3%-6%
  - CONCRETE CURB MAY BE PRECAST UNITS. SUBMIT SHOP DRAWINGS.

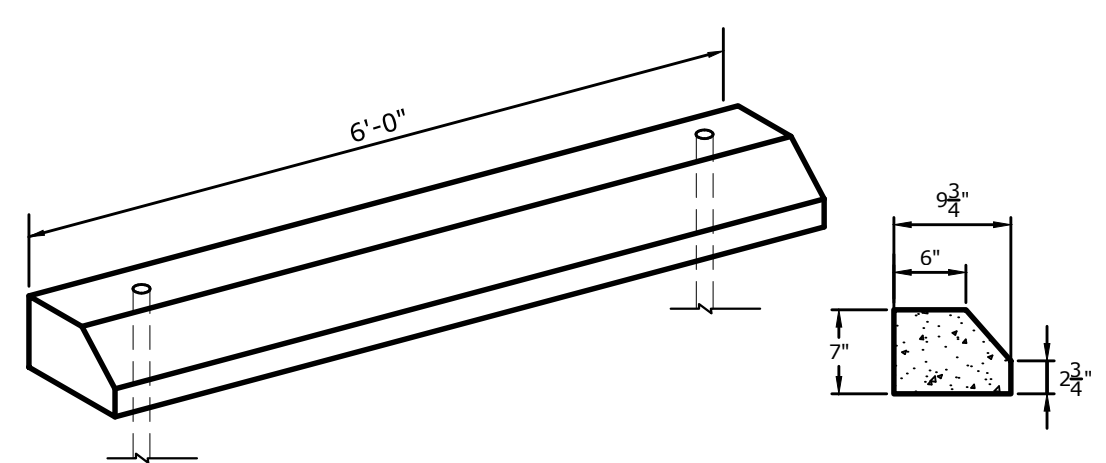
**CONCRETE CURB**  
NOT TO SCALE



**CONCRETE SIDEWALK & CURB**  
NOT TO SCALE

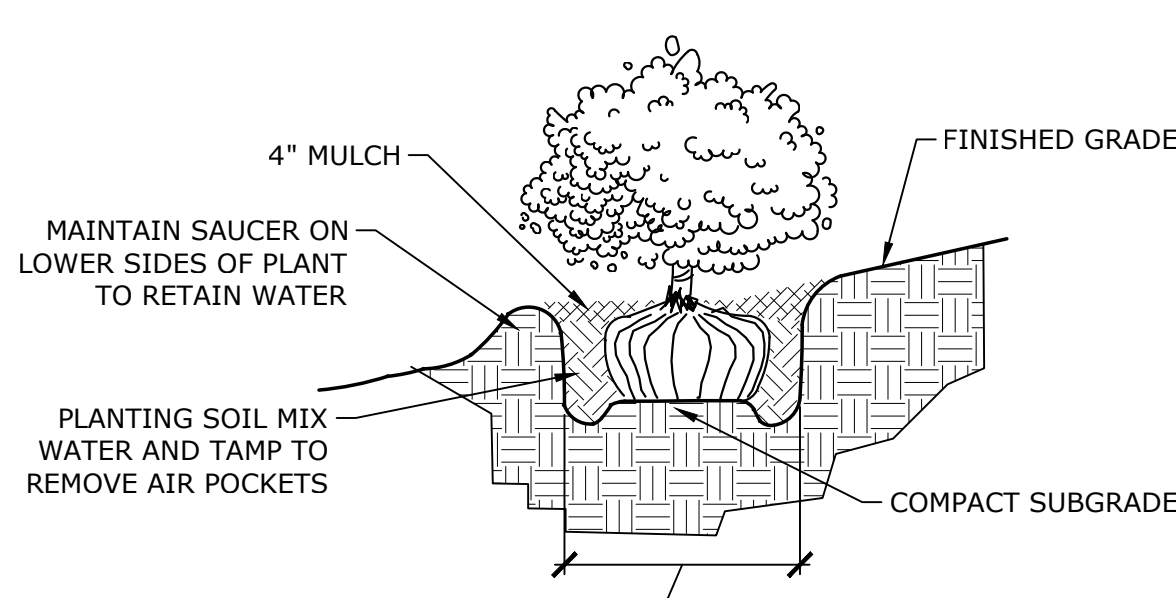


**CONCRETE SIDEWALK**  
NOT TO SCALE

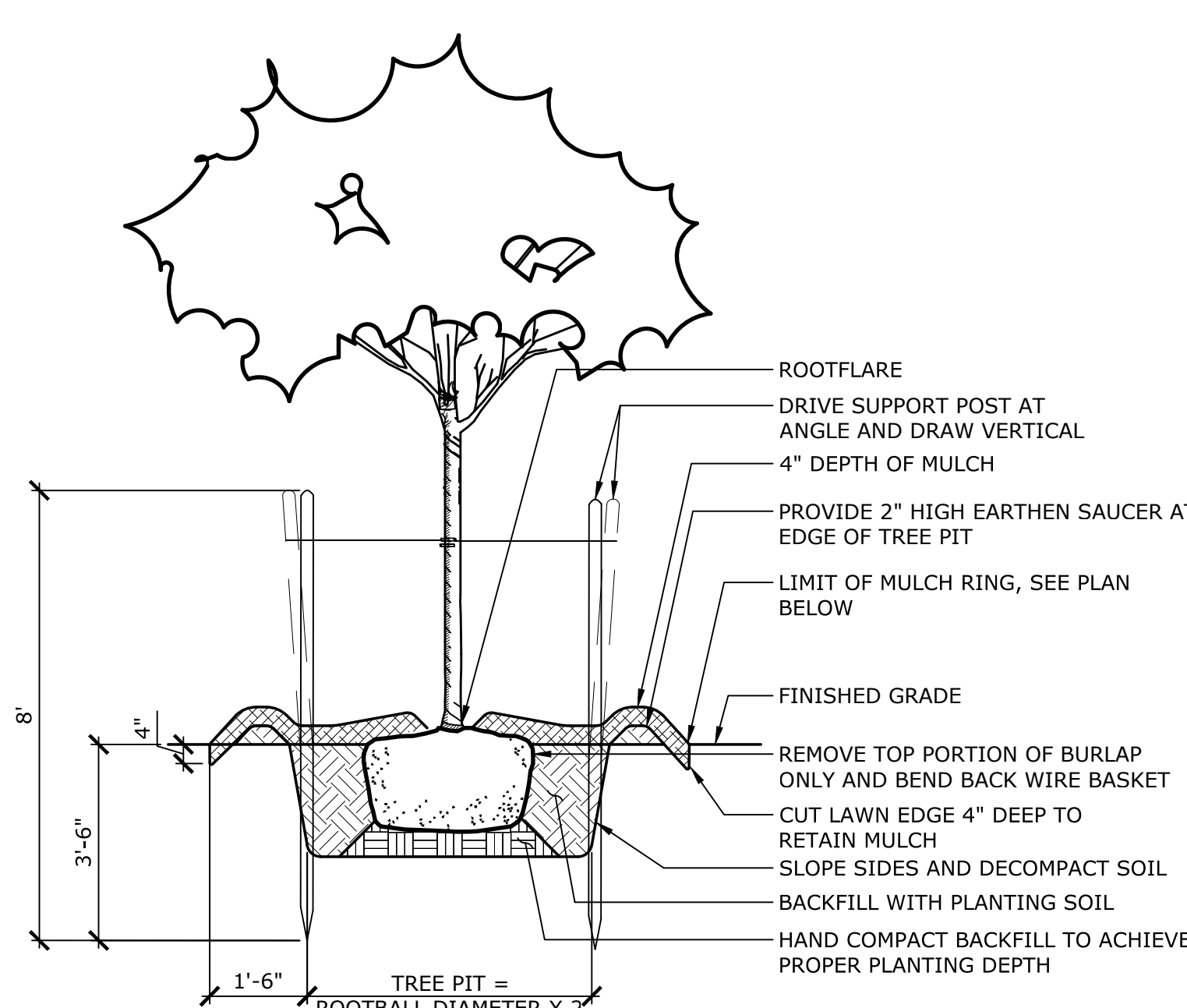


- NOTES:**
- CONCRETE: 4000 PSI, 28 DAYS
  - WEIGHT, 300 LBS.
  - REINFORCEMENT, (2) #4 BARS
  - (2) 3/4" HOLES CAST IN FOR ANCHORING
  - (2) PROVIDE 5/8" x 30" REBAR FOR ANCHORING

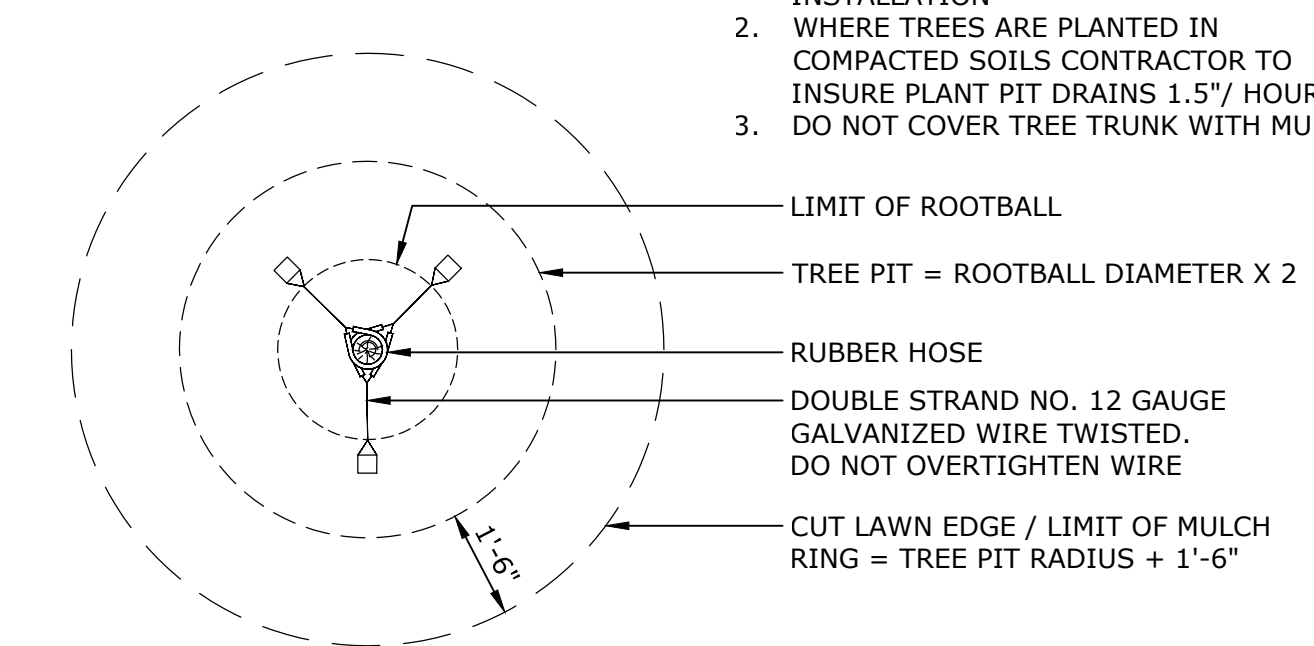
**PRECAST CONCRETE WHEEL STOP**  
NOT TO SCALE



**SHRUB PLANTING**  
NOT TO SCALE

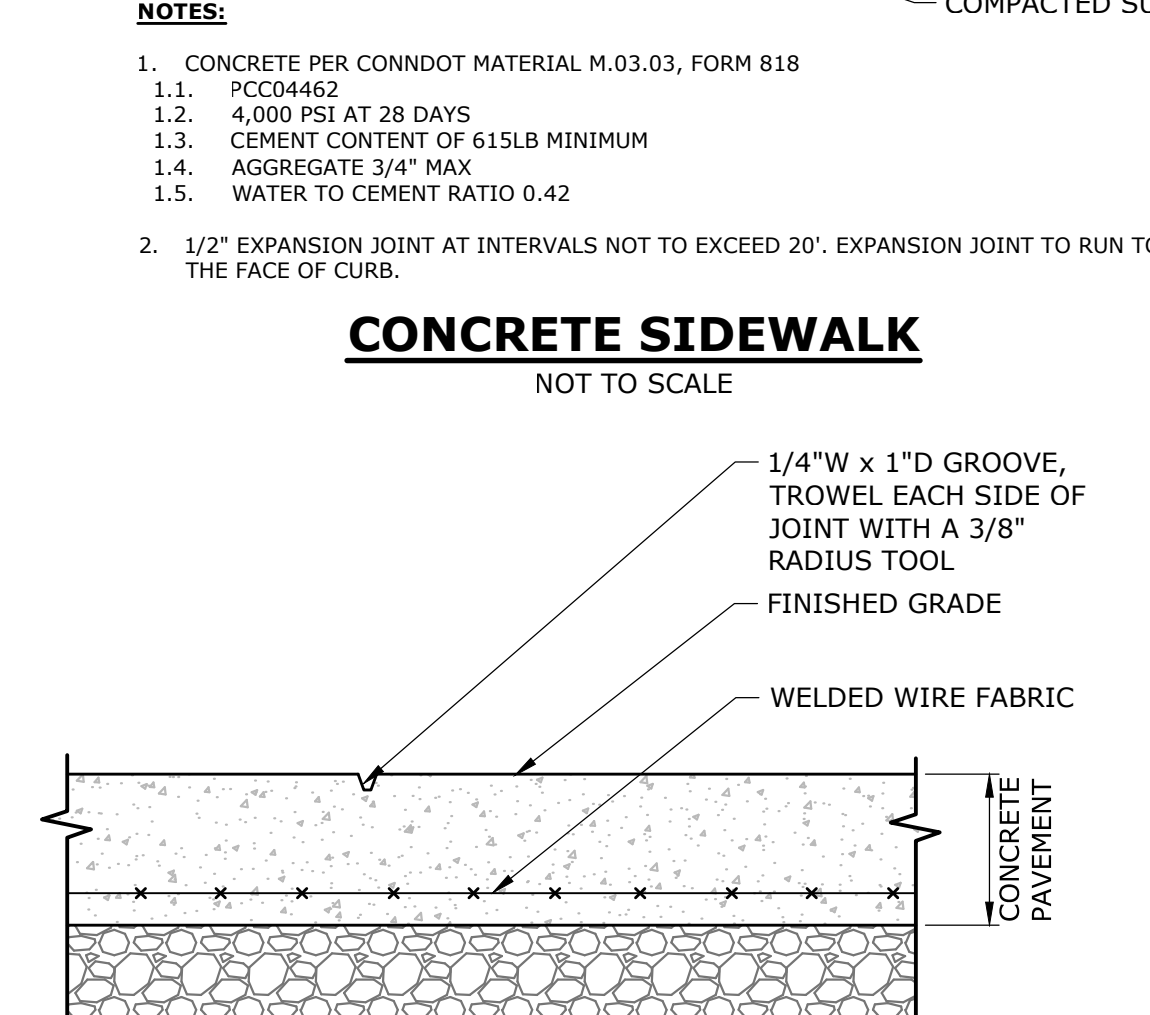


**SECTION**



**PLAN**

**TREE PLANTING**  
NOT TO SCALE



**SCORE JOINT**  
NOT TO SCALE

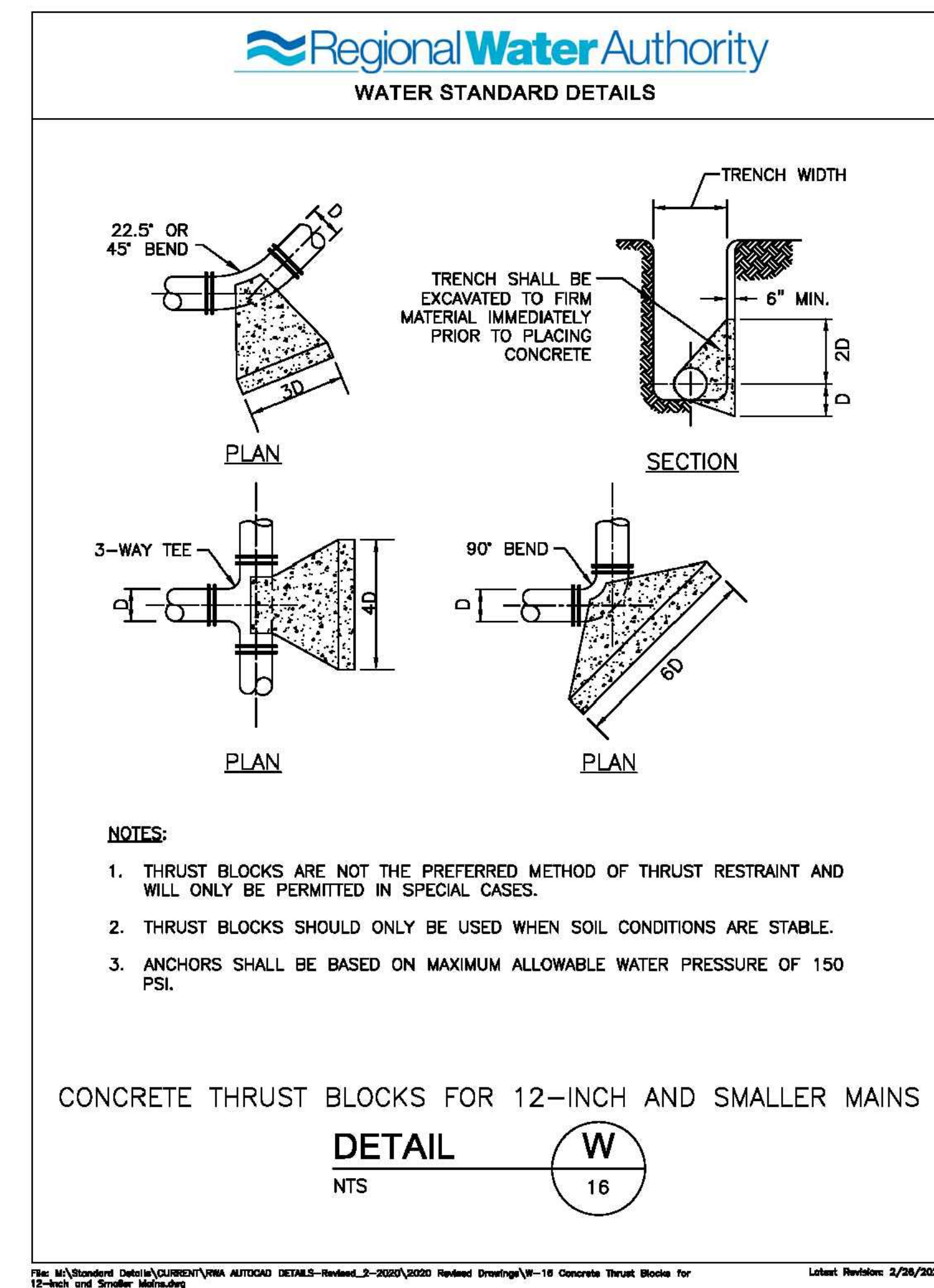
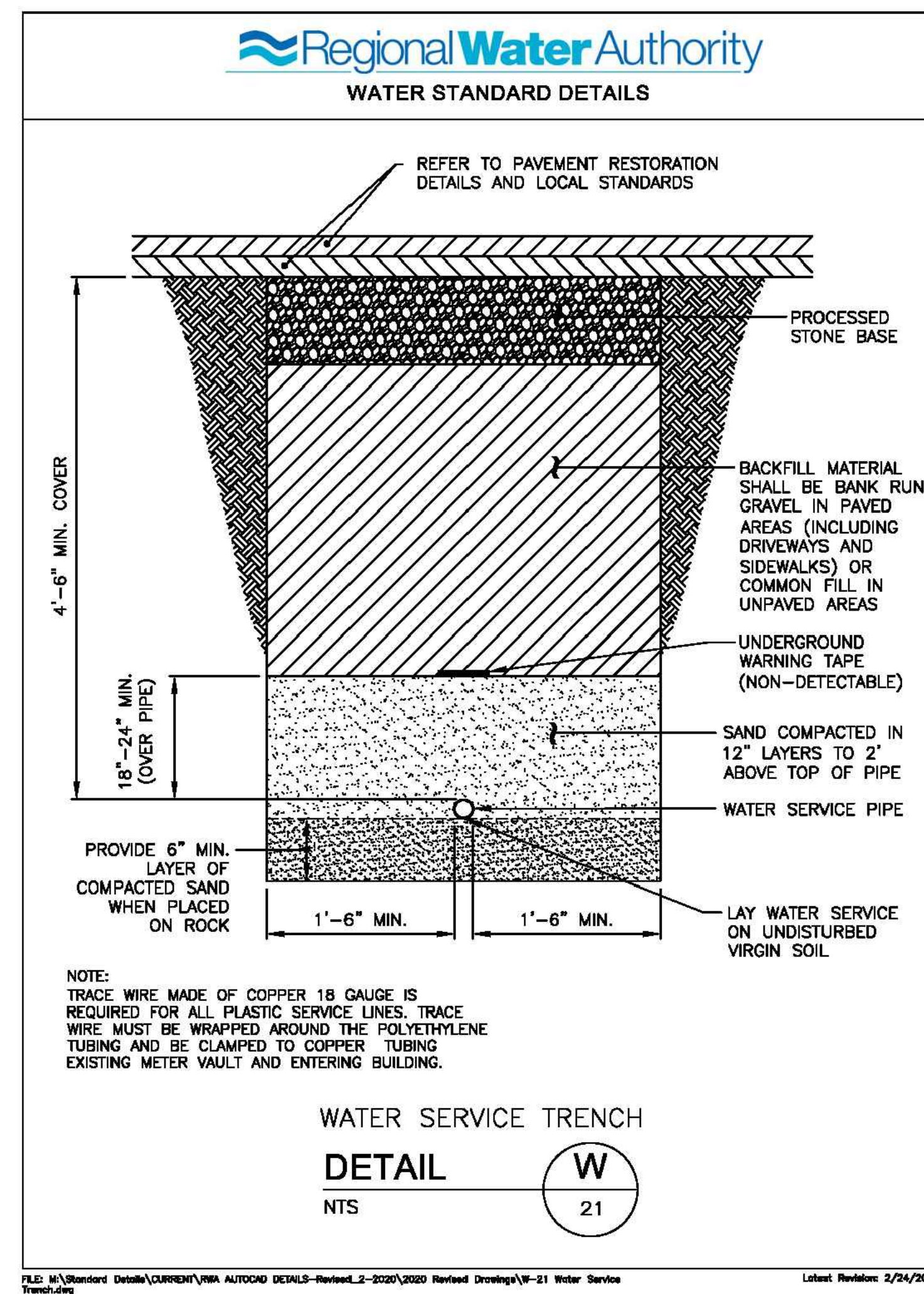
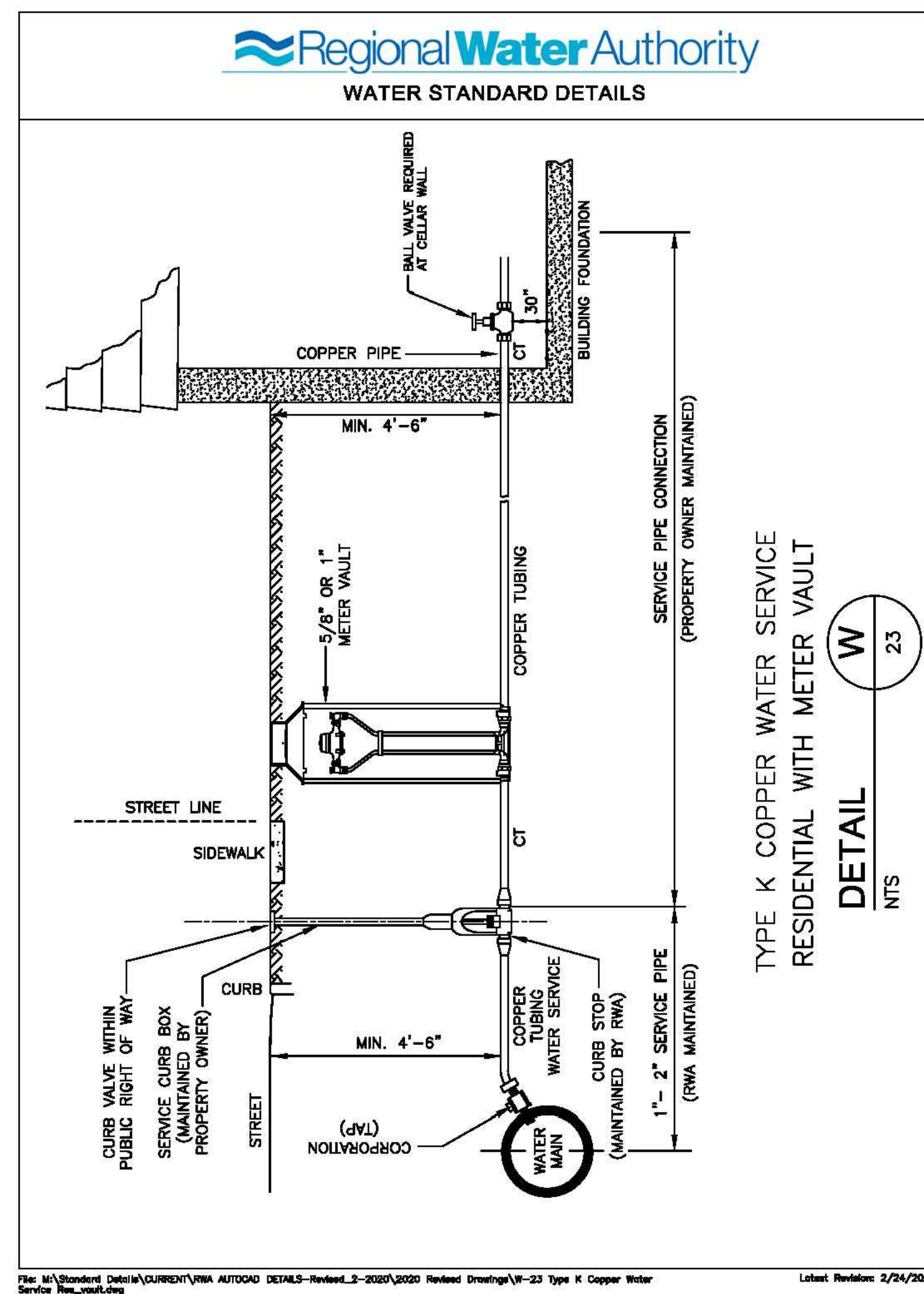
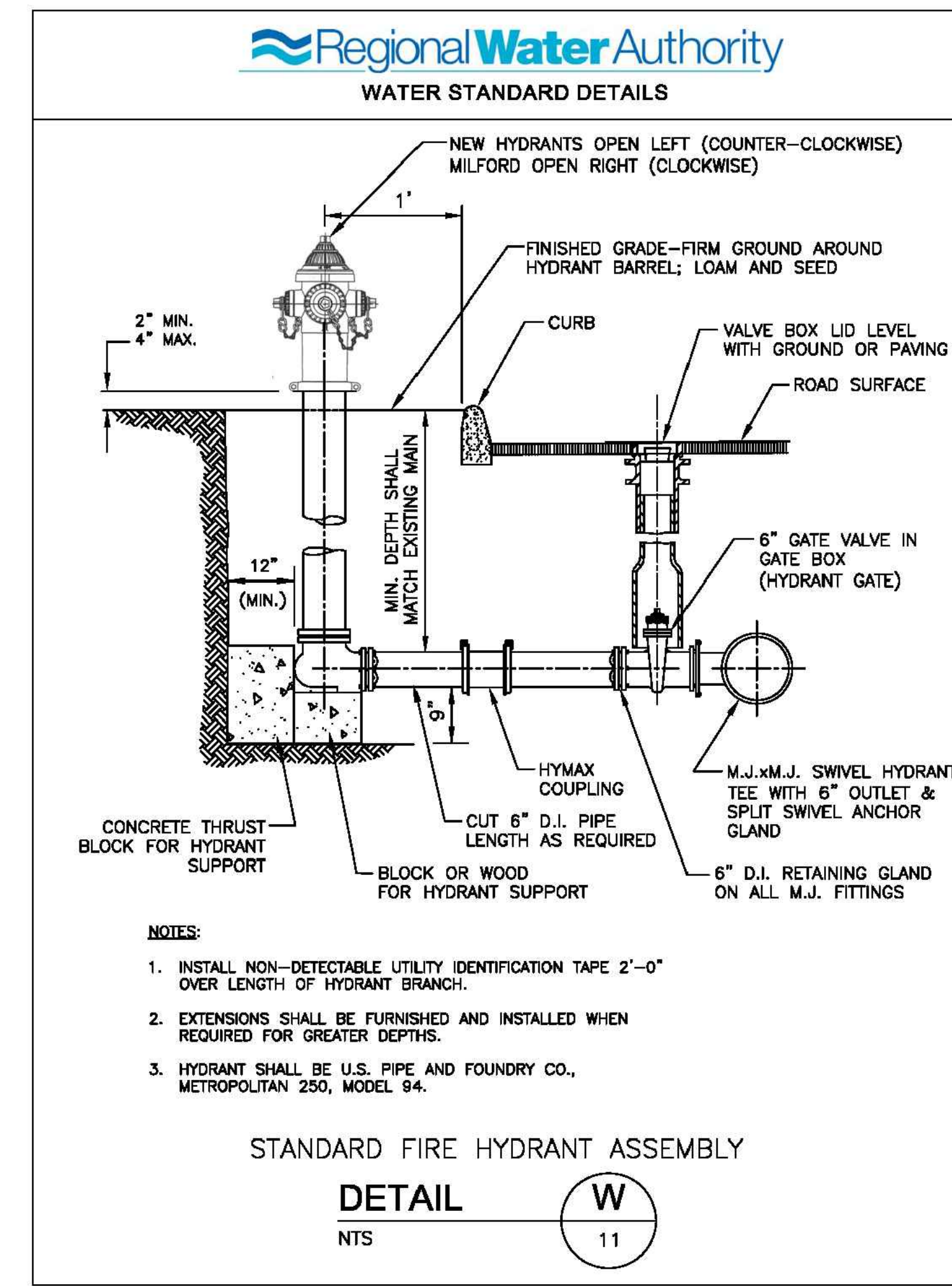
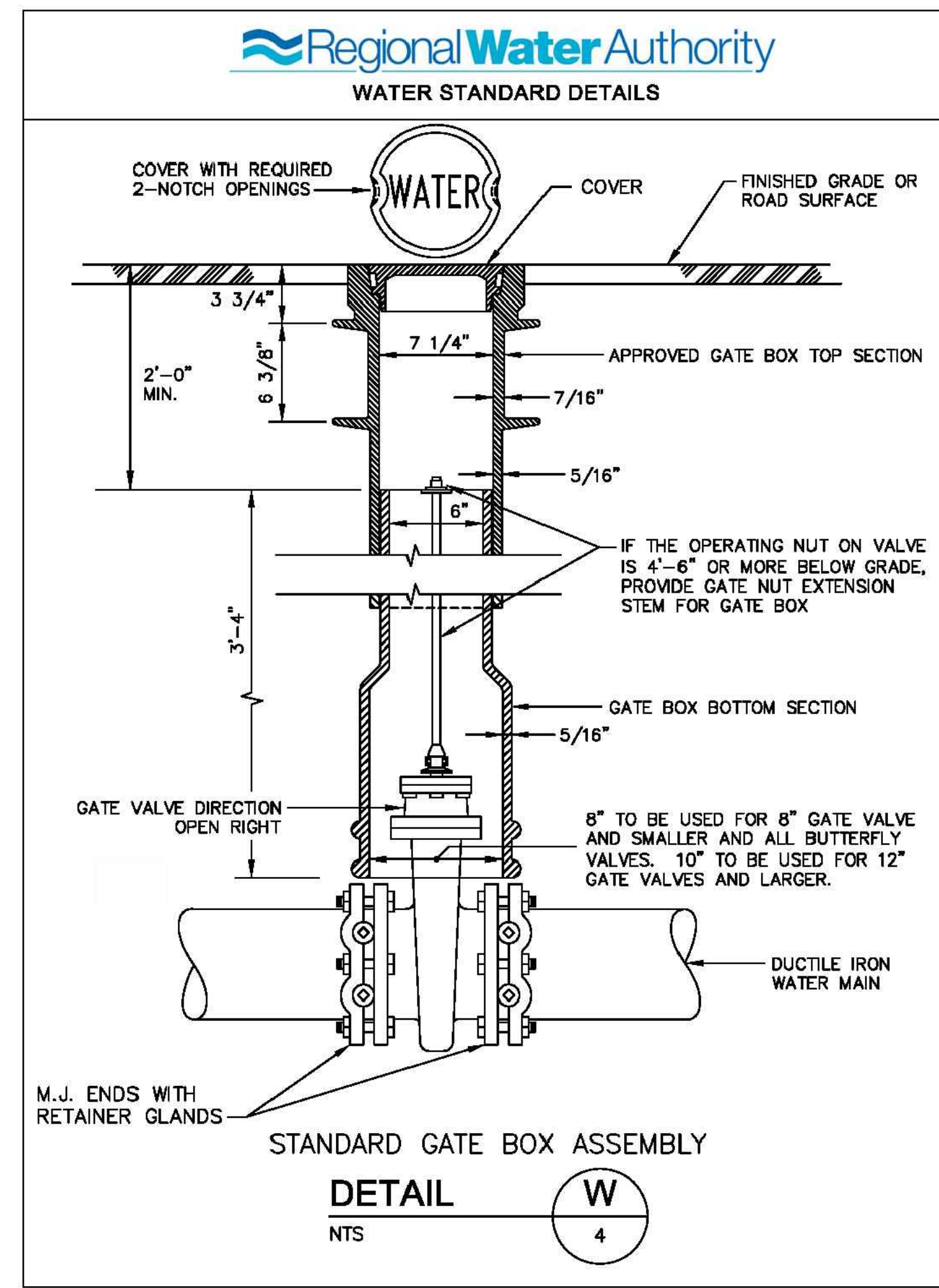
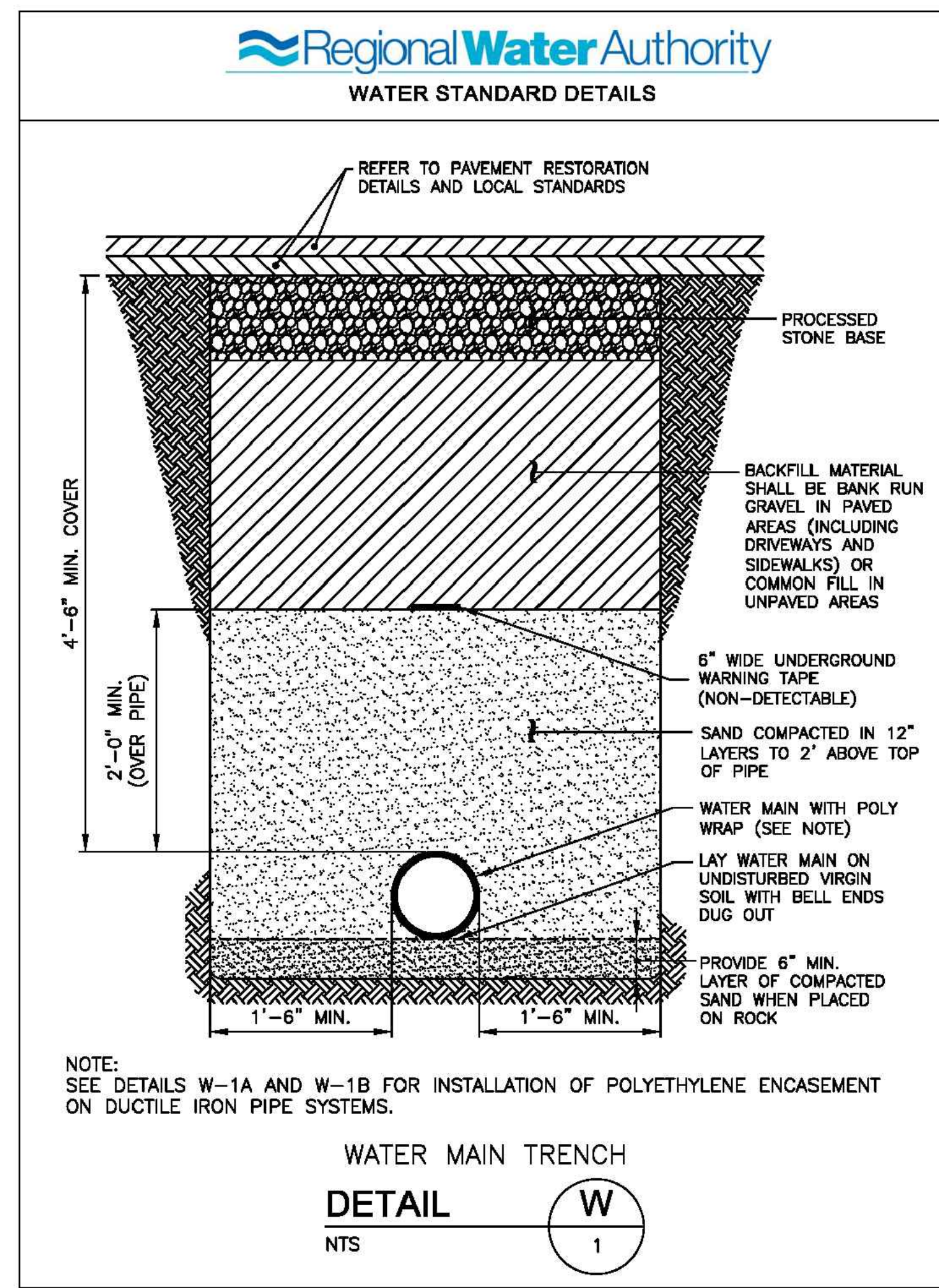


DESCRIPTION	DATE	BY

**SITE DETAILS**  
MARINERS POINT APARTMENTS  
HOUSING DEVELOPMENT  
71 SOUTH SHORE DRIVE  
EAST HAVEN, CONNECTICUT

SMM	SMM	EAH
DESIGNED	DRAWN	CHECKED
SCALE AS NOTED		
DATE: JANUARY 24, 2023		
PROJECT NO: 12709.00035		
SHEET NO: 8 OF 12		
<b>SD-1</b>		





**SLR**  
96 BEATTY DRIVE  
208.271.0810  
SLRCONSULTING.COM

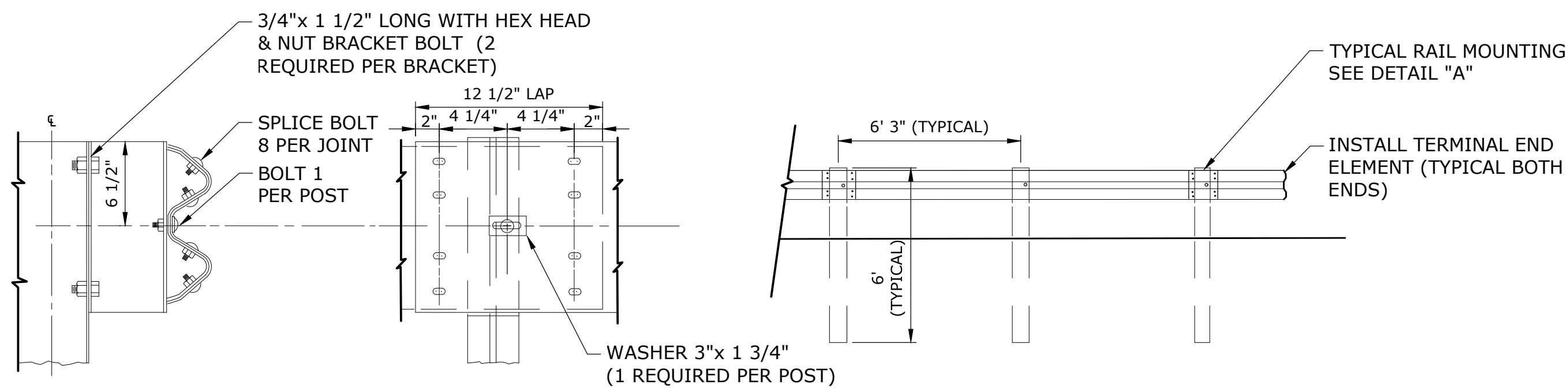
DESCRIPTION	DATE	BY

**SITE DETAILS**  
MARINERS POINT APARTMENTS  
HOUSING DEVELOPMENT  
71 SOUTH SHORE DRIVE  
EAST HAVEN, CONNECTICUT

DESIGNED	DRAWN	CHECKED

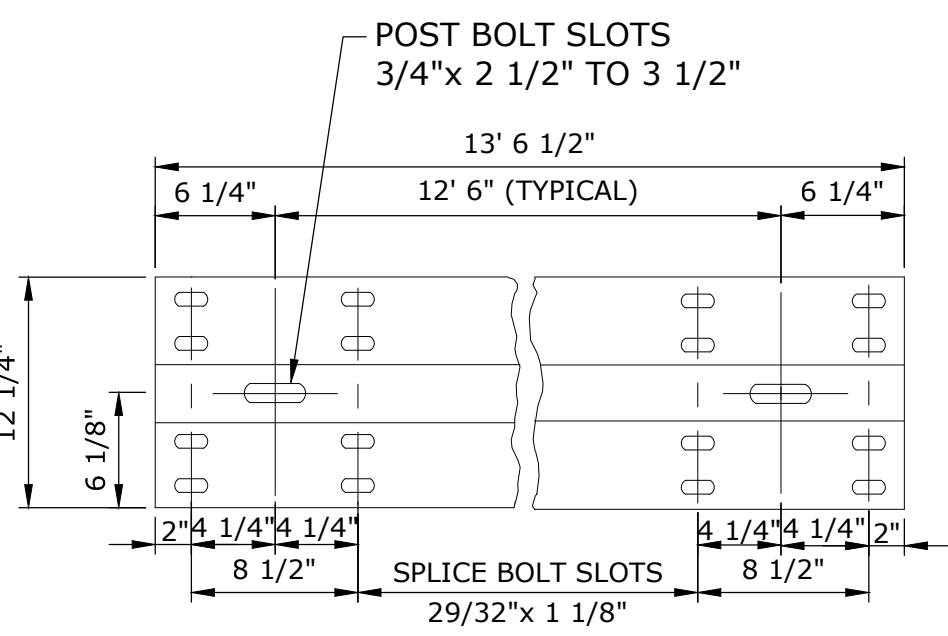
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JANUARY 24, 2023  
DATE  
12709.00035  
PROJECT NO.  
9 OF 12  
SHEET NO.

**SD-2**



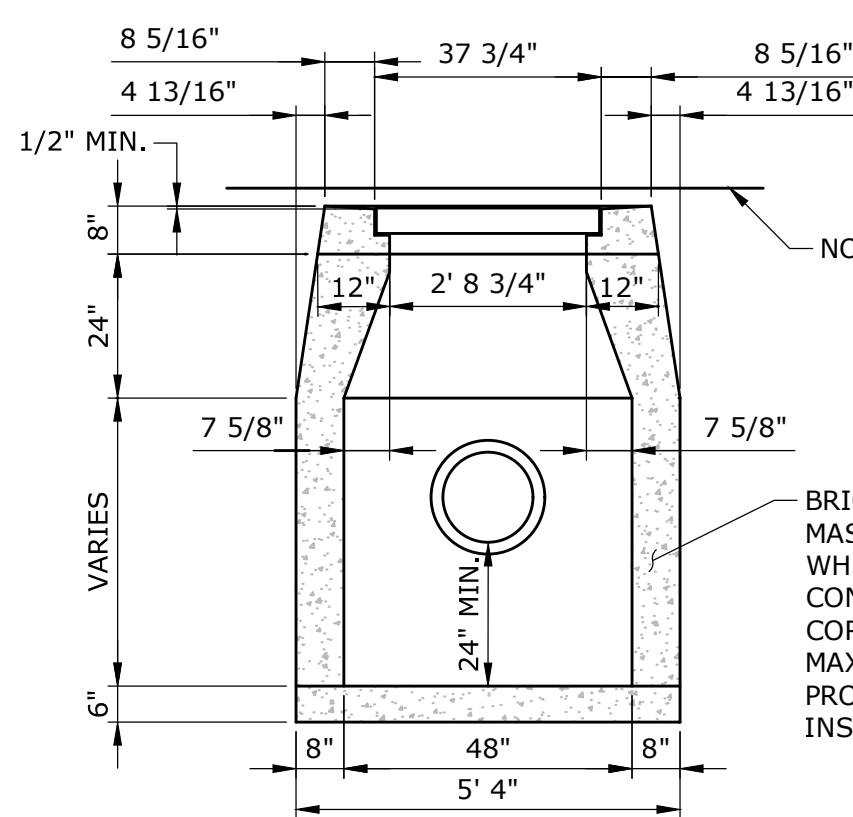
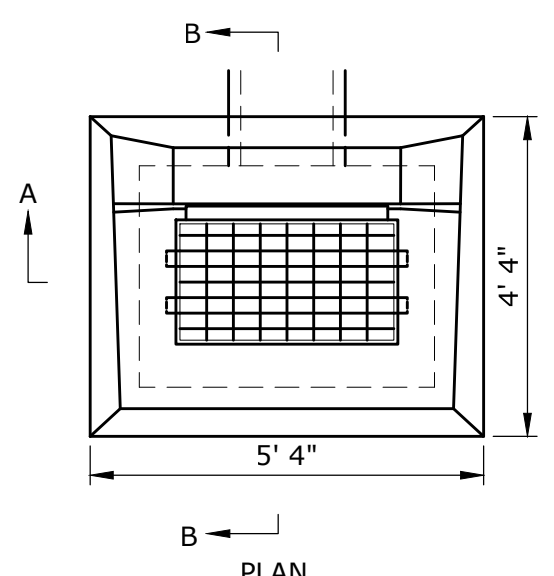
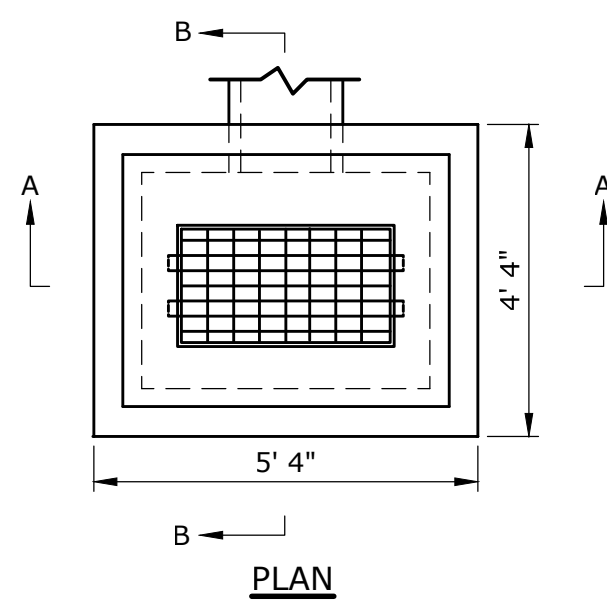
SIDE FRONT ELEVATION

DETAIL "A" RAIL SPLICE



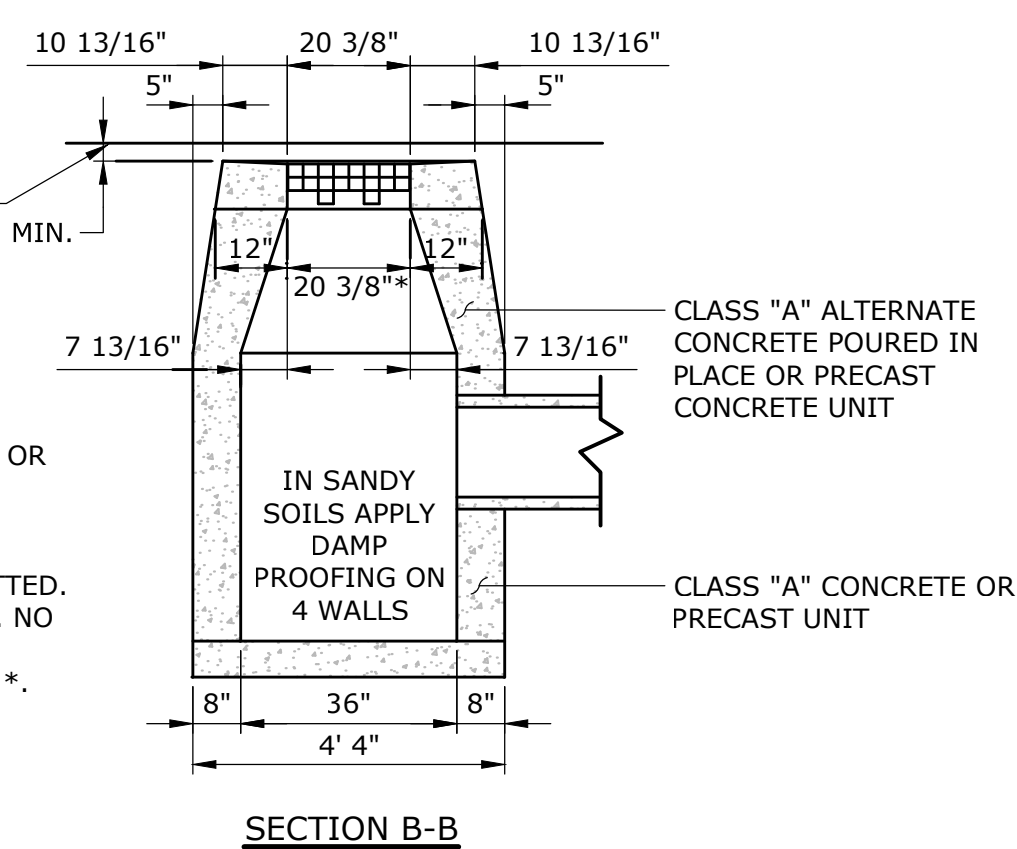
- NOTES:**
1. ALL GUIDE RAIL MATERIALS AND CONSTRUCTION METHODS SHALL BE AS SPECIFIED IN THE STATE OF CONNECTICUT DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 818.

**METAL GUIDE RAIL (TYPE R-B)**  
NOT TO SCALE



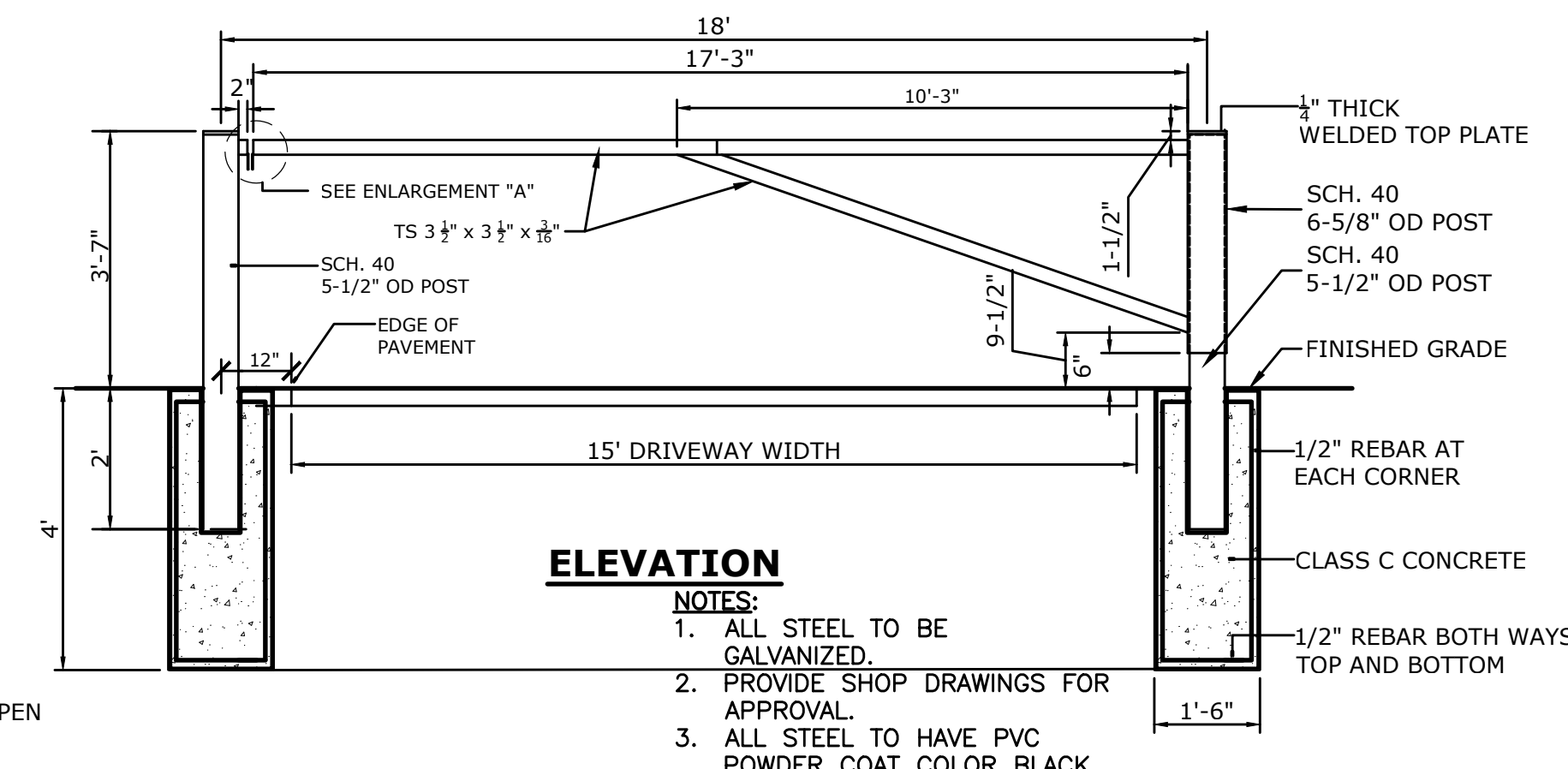
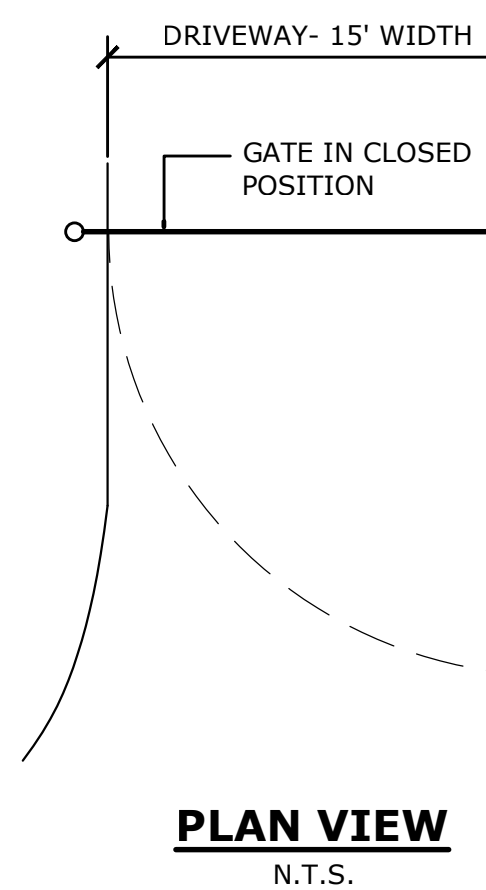
- NOTES:**
1. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.

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



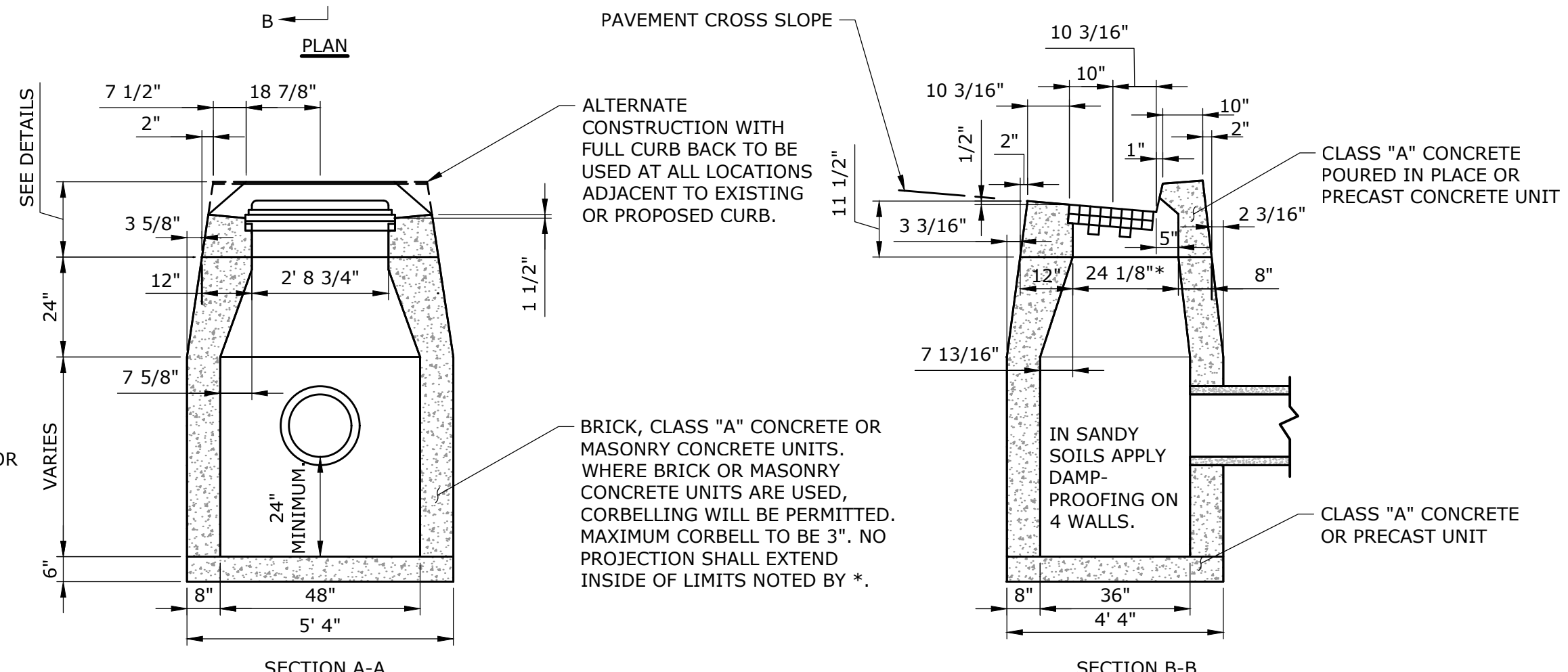
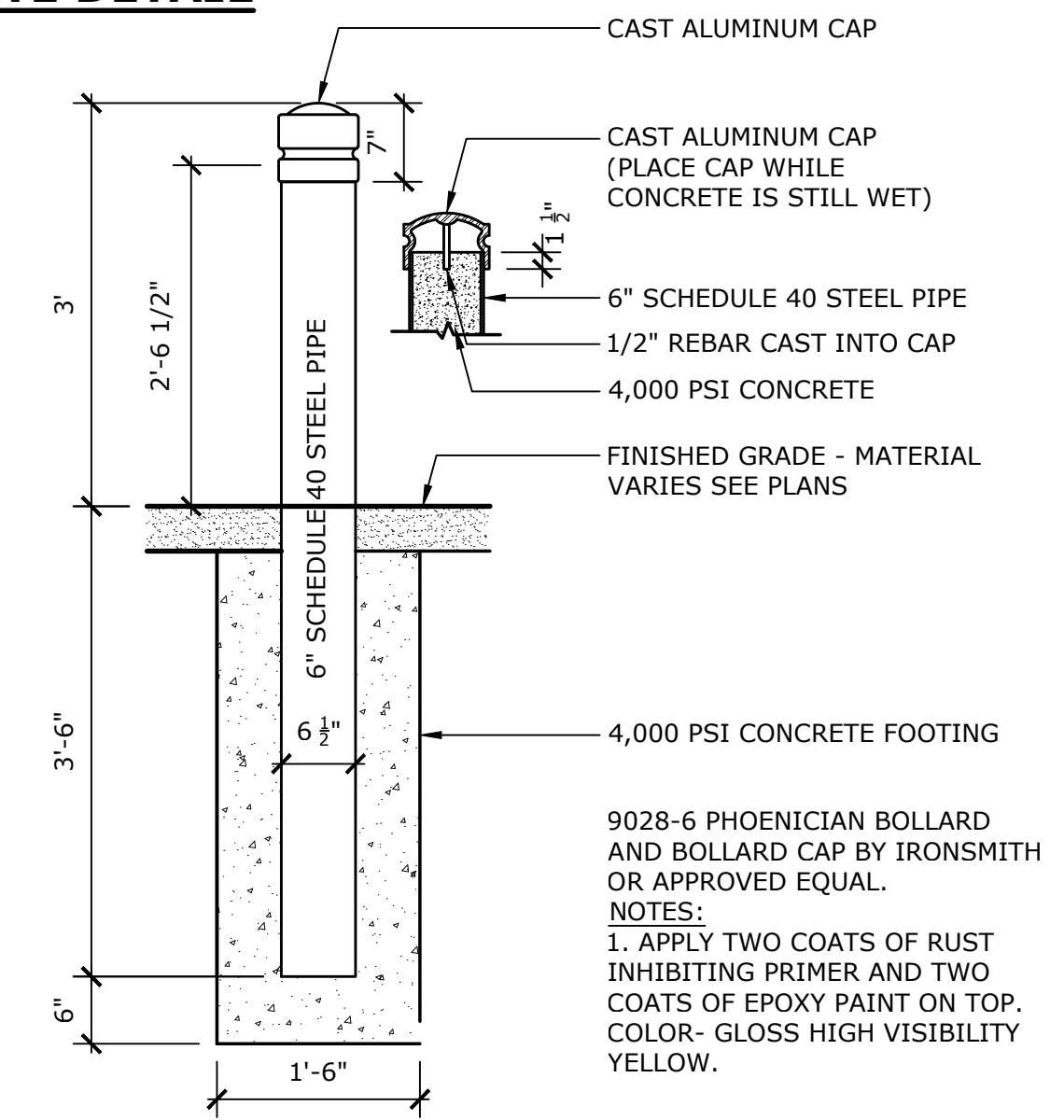
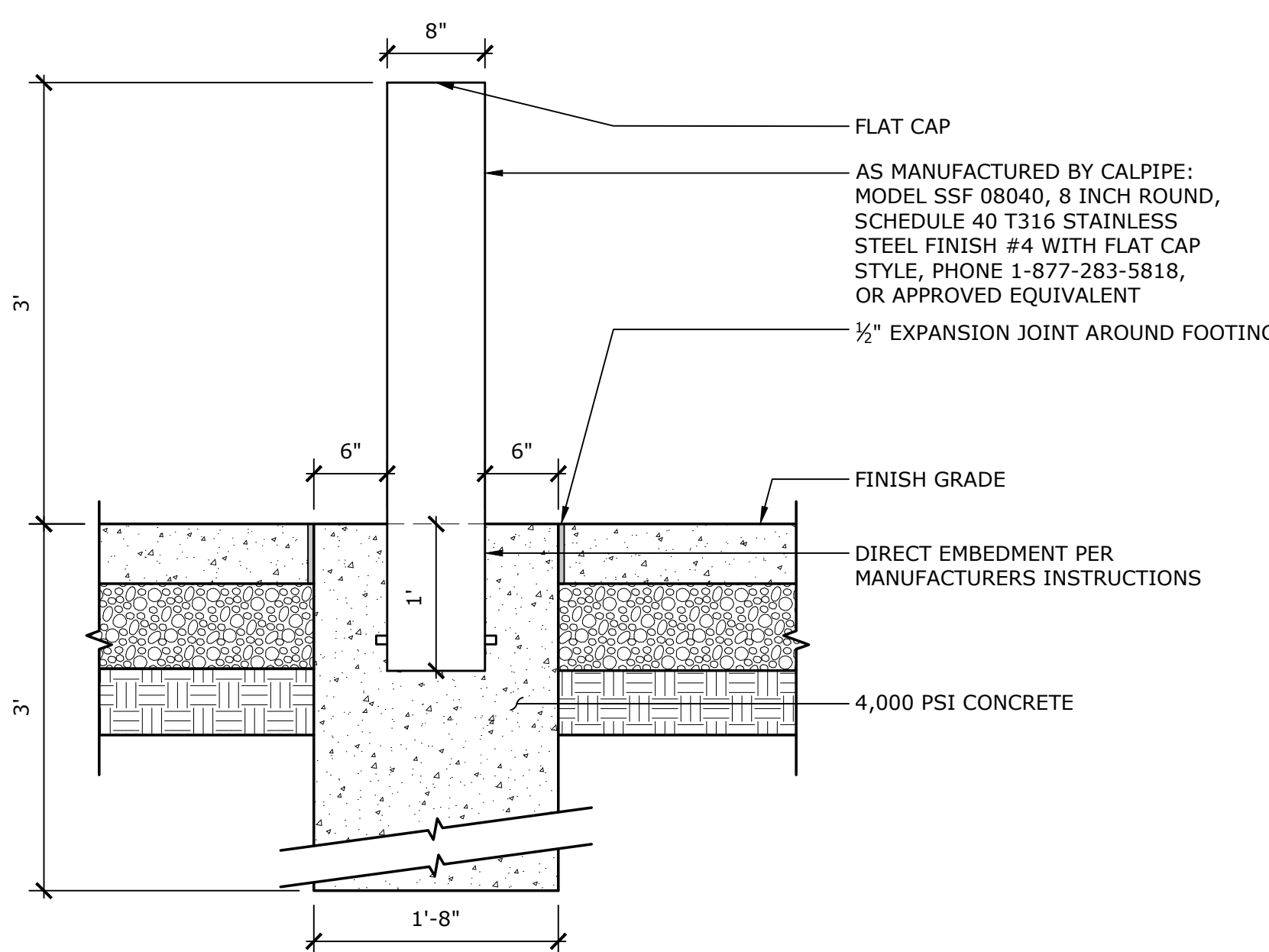
- NOTES:**
1. WHEN CATCH BASIN IS SET IN CONCRETE PAVEMENT. THE 1/2" SLOPE ON THE TOP SURFACE SHALL BE CHANGED TO MATCH ADJOINING PAVEMENT.
  2. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.

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



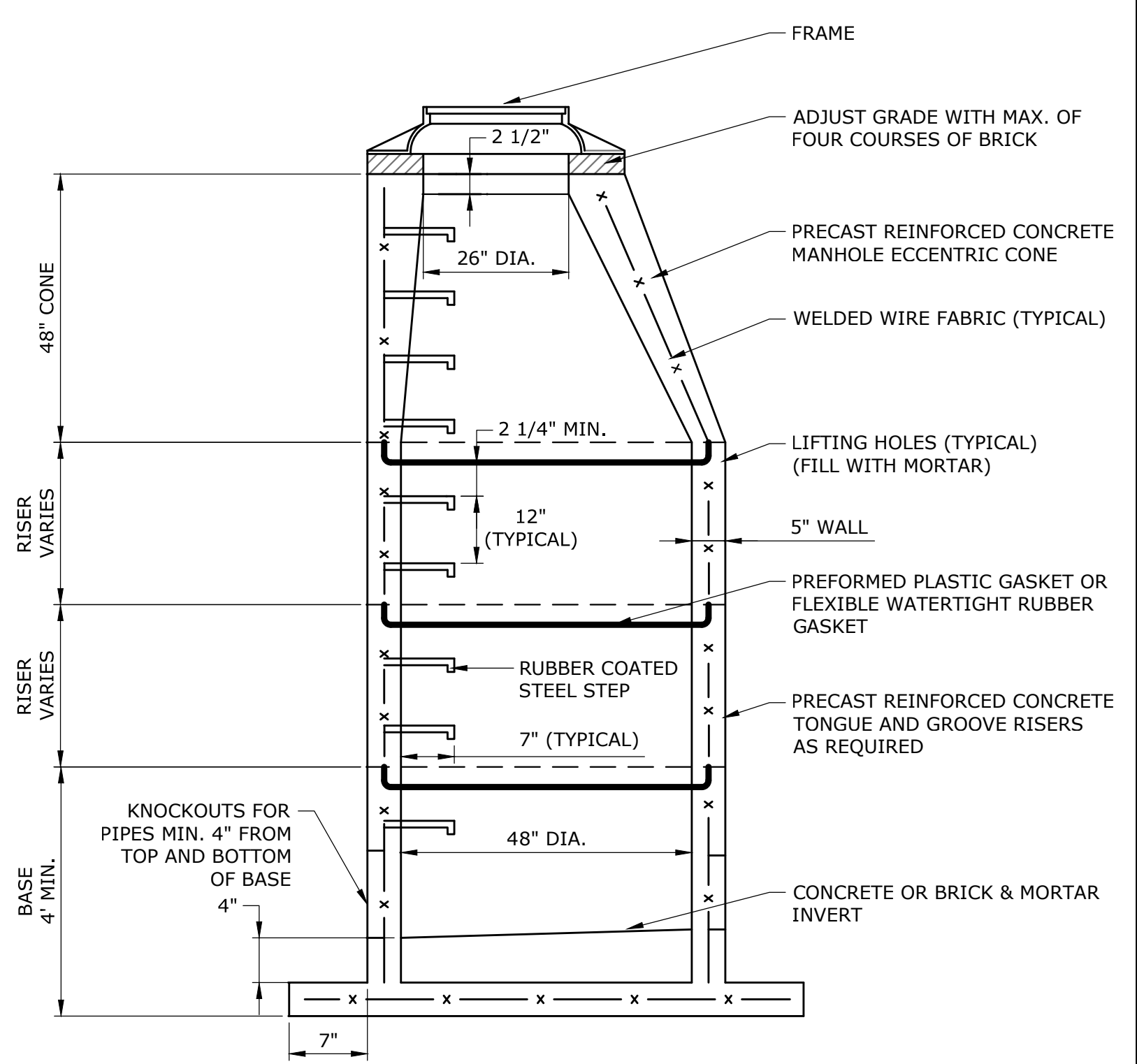
- NOTE:**
1. CHECK IN FIELD IF LEFT OR RIGHT SWING GATE IS REQUIRED.
  2. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF GATE.
  3. SEE SITE PLAN FOR REQUIRED SWING DIRECTION.
  4. ALL STEEL TO BE GALVANIZED.
  5. ALL STEEL SHALL HAVE A POWDER COAT FINISH. COLOR: BLACK.
  6. PROVIDE SHOP DRAWINGS FOR APPROVAL.

**18' WIDE SINGLE SWING GATE DETAIL**  
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.

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



DATE	BY
4/3/2023	SMM

**SITE DETAILS**

MARINERS POINT APARTMENTS HOUSING DEVELOPMENT

71 SOUTH SHORE DRIVE EAST HAVEN, CONNECTICUT

SMM	SMM	EAH
DESIGNED	DRAWN	CHECKED

SCALE AS NOTED

JANUARY 24, 2023

DATE

12709.00035

PROJECT NO.

10 OF 12

SHEET NO.

**SD-3**

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**GREATER NEW HAVEN**  
**WATER POLLUTION CONTROL AUTHORITY**  
 CONSTRUCTION DETAILS

**TRENCH SECTION  
SANITARY SEWER LATERAL  
NTS**

NOTES:  
 1. MAXIMUM PAY WIDTH PER BEDDING MATERIAL & TRENCH EXCAVATION IS I.D. + 2'-0"  
 2. BEDDING AND BACKFILL MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY.

REVISIONS	
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SD205-02

**GREATER NEW HAVEN**  
**WATER POLLUTION CONTROL AUTHORITY**  
 CONSTRUCTION DETAILS

NOTES:  
 \* CLASS 2 MIX DESIGNATION IS NOW HMA S0.375.  
 \* CLASS 1 MIX DESIGNATION IS NOW HMA S0.6.

**PERMANENT PAVEMENT REPAIR  
ON LOCAL ROADS  
NTS**

THE JOINT SEALER SHALL BE A RUBBERIZED COMPOUND OF HOT POURED TYPE AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-173.

EDGE TO BE SAWCUT SMOOTH, TACK COAT ALL ABUTTING PAVEMENT SURFACES

REVISIONS	
NO.	DATE
1	JANUARY, 2023

SD407-03

**GREATER NEW HAVEN**  
**WATER POLLUTION CONTROL AUTHORITY**  
 CONSTRUCTION DETAILS

**STANDARD SEWER LATERAL CONNECTION  
NTS**

NOTES:  
 1. SANITARY SEWER LATERALS SHALL NOT BE RE-USED UNLESS APPROVED BY THE AUTHORITY.  
 2. ALL PIPING SHALL BE LAID WITH CARE IN ACCORDANCE WITH GNHWP/CA STANDARD SPECIFICATIONS, AS AMENDED.  
 3. APPROPRIATE BEDDING AND BACKFILL SHALL BE AS RECOMMENDED BY THE GNHWP/CA.  
 4. GRANULAR FILL AND BEDDING MATERIAL SHALL CONFORM TO GNHWP/CA STANDARD SPECIFICATIONS.  
 5. SHIELDED COUPLINGS ARE REQUIRED ON ALL DISSIMILAR PIPE TRANSITIONS, COUPLING SHALL BE MISSION FLEX-SEAL ARC COUPLINGS, OR APPROVED EQUAL.  
 6. NEW LATERALS SHALL BE CONSTRUCTED WITH INTEGRAL WYES. NEW CONNECTION TO EXISTING SEWER MAINS SHALL BE CORED, DRILL CORE SHALL BE PROPER SIZE PER INSERT MANUFACTURER'S RECOMMENDATION. PIPE INSERTS AND SADDLES SHALL BE MANUFACTURED BY GENERAL ENGINEERING COMPANY GENECO'S "SEALITE TYPE U" SADDLE OR APPROVED EQUAL.  
 7. IN NEW SUBDIVISIONS AND OTHER CONSTRUCTION INVOLVING NEW ROADS, INSTALL LATERALS TO 6 FEET BEHIND PROPERTY LINE AT A MINIMUM DEPTH OF 5 FEET FOR SEWERS IN STREET RIGHT-OF-WAY.  
 8. ALL LATERALS REQUIRE A CLEAN-OUT TO GRADE WITHIN 5 FEET OF THE BUILDING AND EVERY 100 FEET AS NECESSARY.

REVISIONS	
NO.	DATE
1	JANUARY, 2023

SD512-01

**GREATER NEW HAVEN**  
**WATER POLLUTION CONTROL AUTHORITY**  
 CONSTRUCTION DETAILS

**STANDARD CLEAN-OUT  
NTS**

NOTES:  
 1. CLEAN-OUT PIPE SIZE SHALL MATCH EXISTING LATERAL.  
 2. NEW SEWER LATERALS AND CLEAN-OUTS SHALL BE 6-INCH OR AS APPROVED BY THE GNHWP/CA.  
 3. ENTIRE WYE SECTION TO BE ENCASED IN CONTROLLED LOW STRENGTH MATERIAL OR GRANULAR FILL, AS DIRECTED BY THE GNHWP/CA.

REVISIONS	
NO.	DATE
1	JANUARY, 2023

SD512-02

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

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	
WEIR CREST ELEVATION	25.9
LOW-FLOW ORIFICE 1 DIAMETER	6" X 8"
LOW-FLOW ORIFICE 1 INVERT	20.1
INLET PIPE DIAMETER	18"
INLET PIPE INVERT	23.4
MANIFOLD PIPE DIAMETER	18"
MANIFOLD PIPE INVERT	21.0
6" PERFORATED UNDERDRAIN	18"
OUTLET PIPE DIAMETER	18"
OUTLET PIPE INVERT	22.0

**UNDERGROUND DETENTION OUTLET CONTROL STRUCTURE 120  
NOT TO SCALE**

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	
WEIR CREST ELEVATION	25.5
LOW-FLOW ORIFICE 1 DIAMETER	6"
LOW-FLOW ORIFICE 1 INVERT	23.3
LOW-FLOW ORIFICE 2 DIMENSIONS	6" X 8"
LOW-FLOW ORIFICE 2 INVERT	24.5
INLET PIPE DIAMETER	18"
INLET PIPE INVERT	21.8
MANIFOLD PIPE DIAMETER	18"
MANIFOLD PIPE INVERT	22.9
6" PERFORATED UNDERDRAIN	20.5
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	22.0



DESCRIPTION	DATE	BY

**SITE DETAILS**  
**MARINERS POINT APARTMENTS**  
**HOUSING DEVELOPMENT**  
 71 SOUTH SHORE DRIVE  
 EAST HAVEN, CONNECTICUT

AES	AES	EAH
DESIGNED	DRAWN	CHECKED

SCALE AS NOTED

**JANUARY 24, 2023**  
DATE

12709.00035  
PROJECT NO.

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SHEET NO.

**SD-4**  
SHEET NAME

