Drawing: W:\CADDESIGN\15070.00006-DE\CAD\LOT 7-TITLE.DWG Layout Tab:TITLE
Plotted by: SNOLAN On this date: Wed, 2021 May 19 - 3:17pm

MULTIFAMILY RESIDENTIAL DEVELOPMENT LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD CHESHIRE, CONNECTICUT

SLR PROJECT #15070.00006
MAY 17, 2021

GENERAL NOTES

1. BOUNDARY INFORMATION IS BASED UPON RE-SUBDIVISION MAP ENTITLED: AND A-2 PROPERTY SURVEYS LISTED UNDER 1.1 AND 1.2 BELOW PREPARED BY MILONE AND MACBROOM, INC.
   1.1. "PROPERTY SURVEY, PREPARED FOR: MILLER, NAPOLITANO, WOLFF, LLC, HIGHLAND AVENUE & DICKERMAN ROAD, CHESHIRE, CONNECTICUT", SCALE: 1"=100', DATED: MARCH 13, 2019.
   1.2. "PROPERTY SURVEY DEPICTING LOT LINE REVISION, PREPARED FOR: MILLER, NAPOLITANO, WOLFF, LLC, HIGHLAND AVENUE TRI-STAR DEVELOPMENT LLC, HIGHLAND AVENUE CHESHIRE, CONNECTICUT", SCALE: 1"=100', DATED: APRIL 22, 2020, REVISED TO 8/25/20.
2. ELEVATIONS ON SITE PLANS ARE BASED UPON CONNECTICUT COORDINATE SYSTEM NGVD 1929. ELEVATIONS ON THE REFERENCED FLOODPLAIN MAP PER NOTE 20 ARE BASED UPON CONNECTICUT COORDINATE SYSTEM NAVD 88. THEREFORE THERE IS AN APPROXIMATE 1 FT ELEVATION VARIATION BETWEEN THE TWO DATUMS.
3. TOPOGRAPHIC FEATURES ARE FROM AERIAL TOPOGRAPHIC MAPPING BY GOLDEN AERIAL SURVEYS, INC., PHOTOS DATED: 4/18/02, AND SUPPLEMENTED WITH FIELD SURVEY BY MILONE & MACBROOM, INC. FEB 2003
4. 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.
5. MILONE & MACBROOM INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
6. INLAND WETLAND BOUNDARY WAS FLAGGED BY: MILONE AND MACBROOM, INC. ON OCTOBER 2006 AS SHOWN ON PROPERTY SURVEY PLAN REFERENCED IN NOTE 1.1. FIELD VISIT CONDUCTED MAY 2021 CONFIRMED NO CHANGES TO WETLAND MAPPING NEEDED.
7. ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE, CABLE TELEVISION AND GAS ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
8. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
9. 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.
10. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL, AND BE SEEDED WITH GRASS OR SODDED, AS SHOWN ON THE PLANS.
11. ALL STORM DRAIN PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) UNLESS OTHERWISE INDICATED.
12. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
13. ALL GRAVITY SANITARY SEWER PIPE SHALL BE PVC SDR35 UNLESS OTHERWISE INDICATED.
14. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF CHESHIRE REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.
15. 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.
16. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
17. THE PROPOSED UNITS ARE TO BE SERVED BY PUBLIC WATER AND SANITARY SEWER.
18. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
19. THE CONTRACTOR/PROPERTY OWNER MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
20. THERE ARE 100 YEAR FLOODPLAIN AREAS ON THE PROPERTY. THE SITE IS LOCATED IN FEMA FLOOD ZONE X, AND AE PER "FIRM, FLOOD INSURANCE RATE MAP, NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS)", PANEL 142 OF 635, MAP NUMBER 09009C0142J, EFFECTIVE DATE: MAY 16, 2017.
21. TRASH TO BE CURBSIDE PICKUP.
22. ALL FOOTING DRAINS CONNECTING TO A STORM DRAINAGE COLLECTION SYSTEM SHALL HAVE A BACKFLOW PREVENTION DEVICE .
23. THESE PLANS HAVE BEEN PREPARED FOR REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR USE DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE

1. CALL "CALL BEFORE YOU DIG" FOR MARK OUT OF ALL UTILITIES.
2. PRIOR TO COMMENCEMENT OF WORK, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH TOWN STAFF AND REPRESENTATIVES OF THE CONTRACTOR AND OWNER. AT THIS MEETING, ONE PERSON WILL BE PLACED IN CHARGE OF SEDIMENT AND EROSION CONTROL FOR THE ENTIRE SITE.
3. LIMITS OF DISTURBANCE TO BE STAKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO STABILIZE CONSTRUCTION ENTRANCES AND PLACE PERIMETER EROSION CONTROLS PRIOR TO REGRADING AND SOIL DISTURBANCE.
4. ESTABLISH CONSTRUCTION ACCESS ROAD AND STAGING AREAS.
5. CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL.
6. TEMPORARY SEDIMENT TRAPS AND DIVERSION BERMS AND SWALES ARE TO BE CONSTRUCTED PRIOR TO EACH PHASE OF GRADING AND MODIFIED AS NECESSARY TO FUNCTION ACCORDING TO CHANGING SITE CONDITIONS.
7. INITIATE MASS EARTHWORK OPERATIONS AFTER ALL TRAPS, BERMS, SWALES, SILT FENCE AND HAYBALES ARE INSTALLED.
8. COMMENCE BUILDING FOUNDATION WORK.
9. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. PERMANENTLY STABILIZE ALL OTHER DISTURBED AREAS. REMOVE TEMPORARY EROSION CONTROLS WHEN LAND SURFACE IS SUITABLY STABILIZED.
10. INSTALL WALLS, UTILITIES, CURBS AND ROADS.
11. CLEAN AND SWEEP ALL PAVED SURFACES TO PREPARE FOR FINAL PAVING.
12. INSTALL ALL PAVEMENT MARKINGS, SIGNAGE, LIGHTING, AND SITE FURNITURE AND CLEAN ALL STORM STRUCTURES AND PIPING. REMOVE ALL SEDIMENT FROM STORMWATER BASINS.

ZONING DATA TABLE		REQUIRED	EXISTING	PROVIDED
ICSDD	MIN LOT AREA SQ.FT.	40000	1167115	1167115
	MIN LOT WIDTH	200'	200'	200'
	MIN LOT FRONTAGE	50'	50'	50'
	MIN SETBACK FROM HIGHLAND AVE	50'	50'	50'
	MIN SETBACK FROM STREETLINE*	25'	25'	25'
	MIN SETBACK FROM SIDE LINE	25'	25'	25'
	MIN SETBACK FROM REAR LINE	50'	50'	50'
	MAX HEIGHT OF STRUCTURE***	75'	NA	75'
	MAX LOT COVERAGE	NONE	NA	NA
	LANDSCAPED SPACE, UNDISTURBED AREAS, LAWNS, WATERCOURSES AND OTHER NON-IMPERVIOUS AREAS	20% OF THE ENTIRE ICSDD	100%	TBD
	*I-691 SHALL NOT BE CONSIDERED A STREELINE, PURSUANT TO SECTION 32, SCHEDULE B, DIMENSIONAL REQUIREMENTS, FOOTNOTE #3			
	***ANY STRUCTURE 75' IN HEIGHT SHALL BE LOCATED NO LESS THAN 150' FROM THE HIGHLAND AVENUE PROPERTY LINE			
RESIDENTIAL DIMENSIONAL REQUIREMENTS	MIN DWELLING SEPARATION	15'	NA	15'
	MAX BUILDING LENGTH	300'	NA	<300'
	SINGLE-FAMILY DWELLING DENSITY	5 UNITS PER ACRE	NA	NA
	MULTIFAMILY DWELLING DENSITY	10 UNITS PER ACRE	0	5.23
	PARKING	2 SPACES FOR EACH 3-BEDROOM UNIT = 2 * 140 UNITS = 280 SPACES	NA	546 SPACES (280 GARAGE SPACES, 224 DRIVEWAY SPACES, 42 VISITOR SPACES)

811
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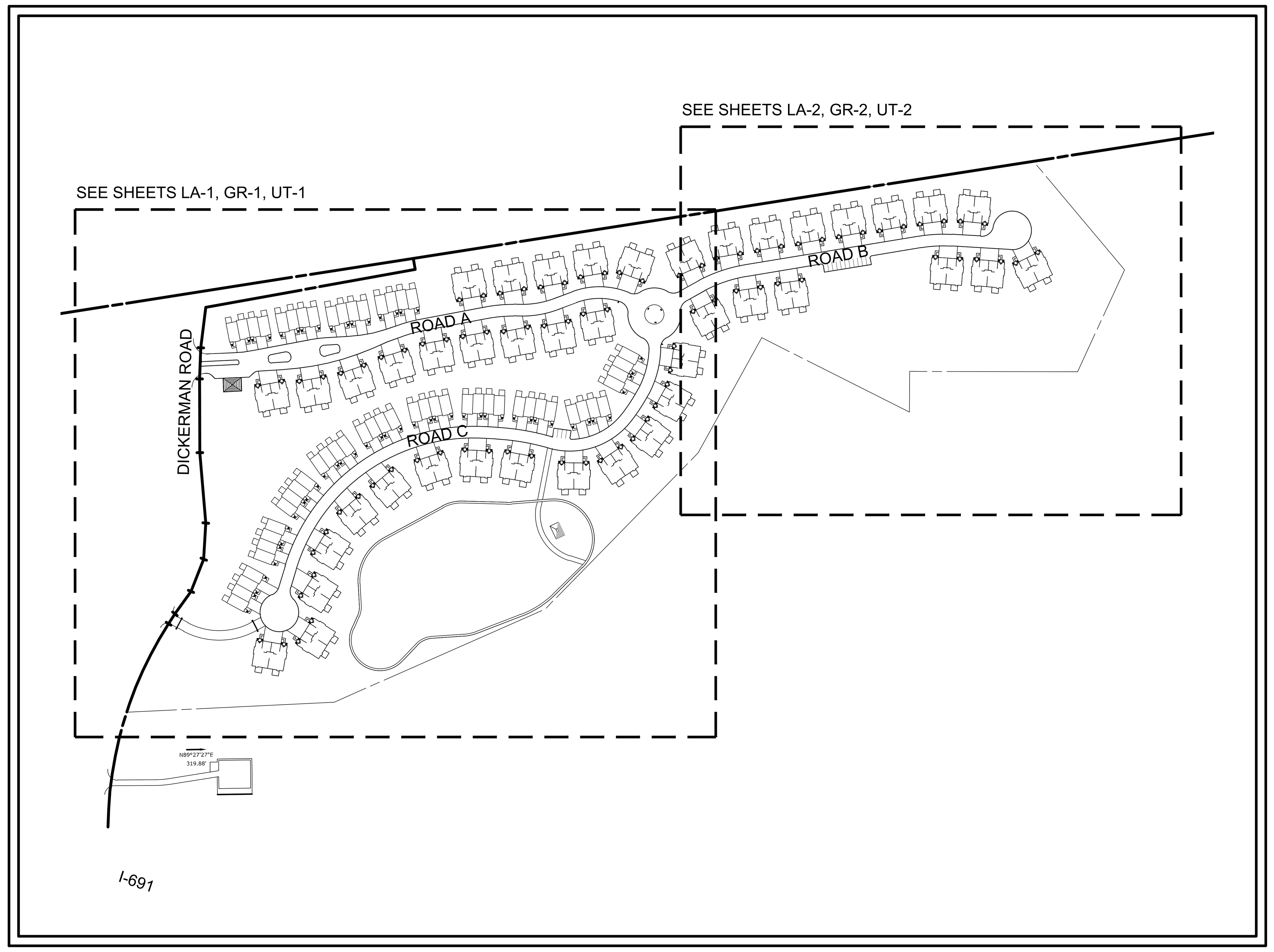

PROJECT SITE VICINITY MAP:

SCALE 1" = 60'

PROJECT DATA:	
EXISTING ZONE:	ICSDD
PROPOSED USE:	RESIDENTIAL DEVELOPMENT

PREPARED FOR:

EG HOME LLC
41 FIELDSTONE LANE
BEACON FALLS, CT 06403

PREPARED BY:

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99 REALTY DRIVE
CHESHIRE, CT 06410
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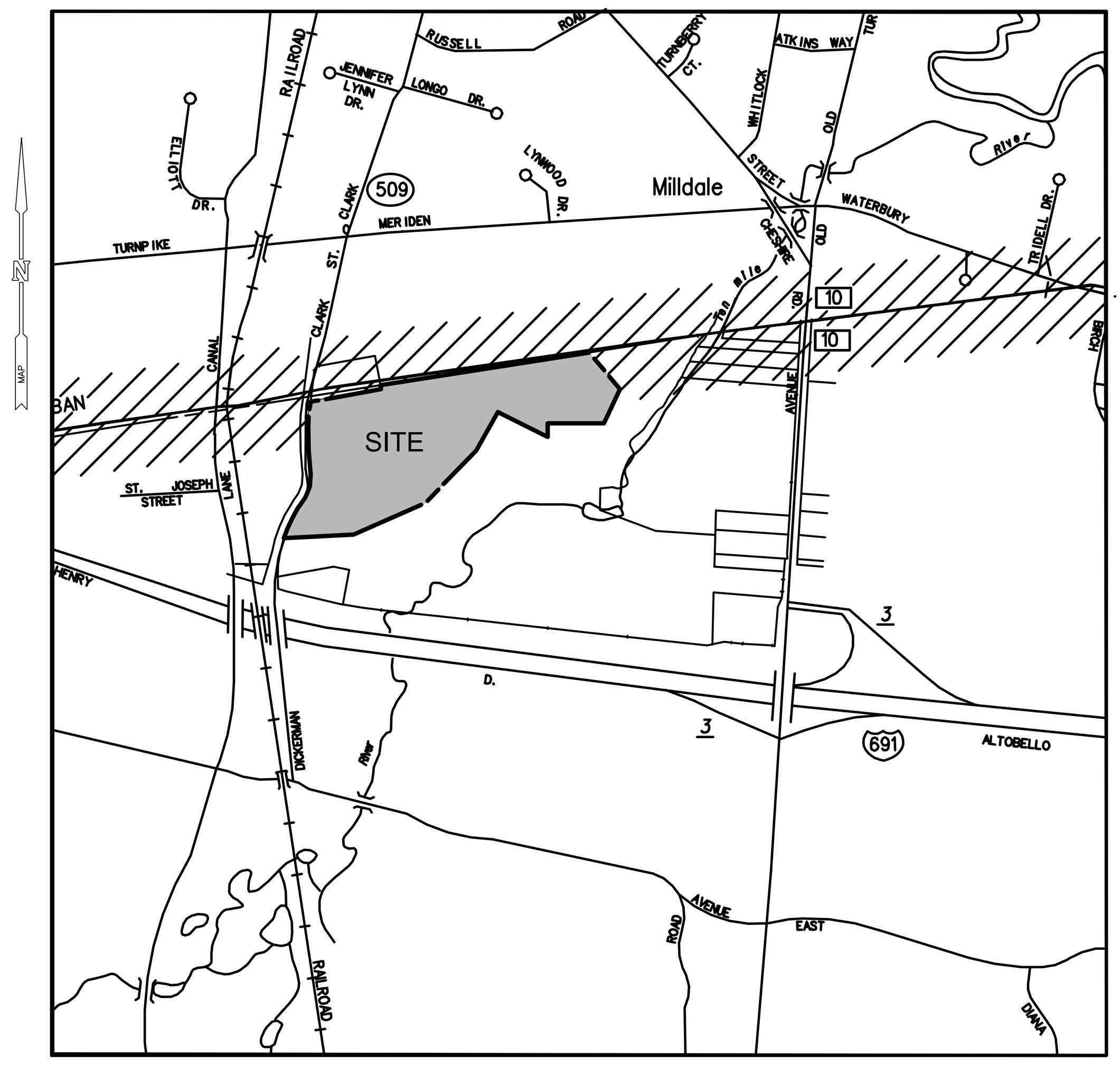


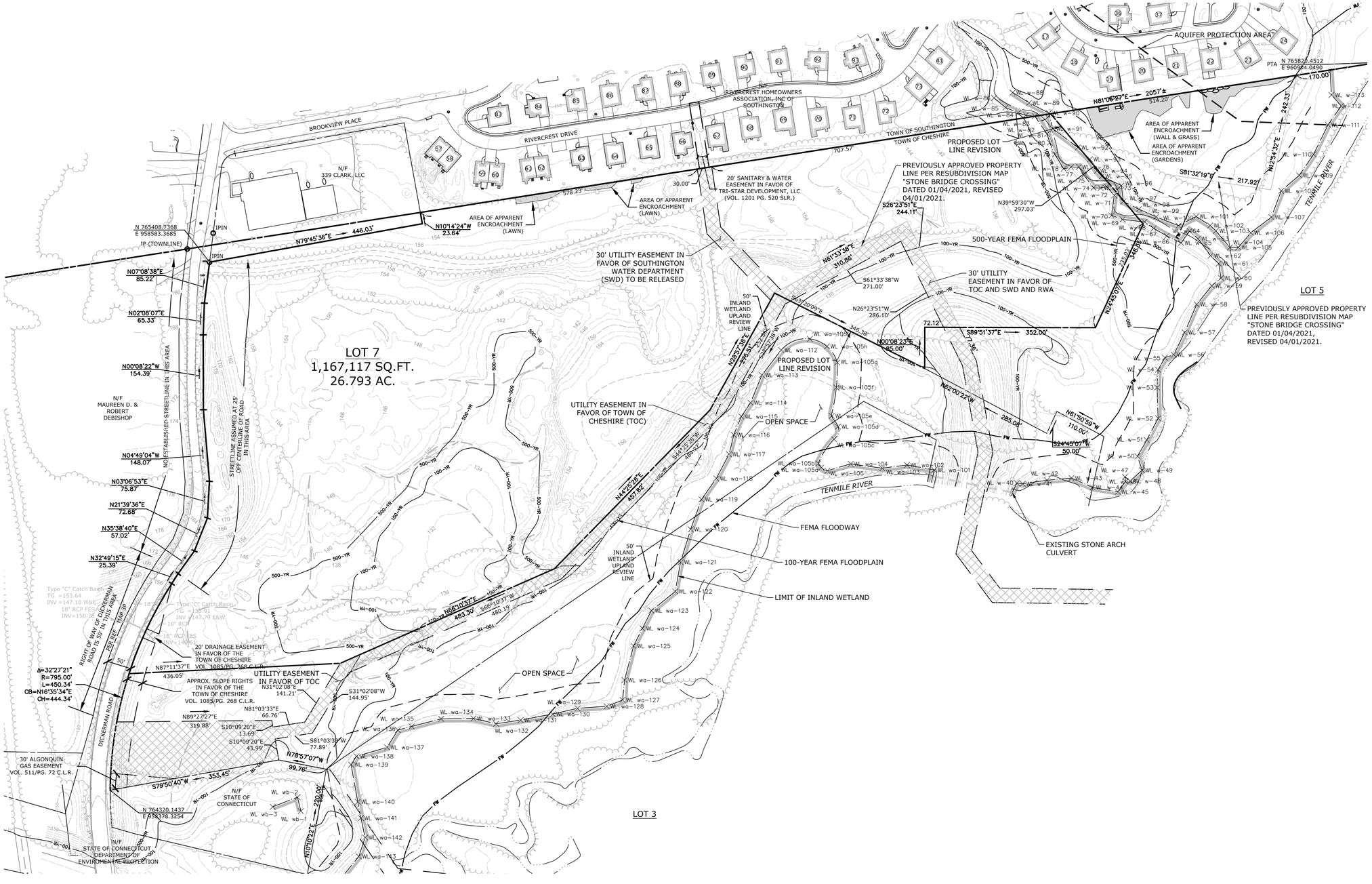
LOCATION MAP:

LEGEND

EXISTING / PROPOSED

- STREET LINE
- PROPERTY LINE
- WETLAND BUFFER LINE
- SETBACK LINE
- MAJOR CONTOUR (70)
- MINOR CONTOUR (68)
- SPOT GRADE (× 70.5 / +70.5)
- WETLANDS
- TREE LINE
- TREE/SHRUB
- STONEWALL
- SITE LIGHT
- HYDRANT
- WATER METER
- WATER VALVE (WV)
- GAS VALVE (GV)
- CATCH BASIN
- MANHOLE/YARD DRAIN/ AREA DRAIN
- SANITARY SEWER WITH MANHOLE (S / SAN)
- STORM DRAIN WITH CATCH BASIN
- WATER MAIN (W)
- DOMESTIC WATER (DW)
- FIRE PROTECTION WATER (FP)
- GAS MAIN (G)
- ELECTRIC LINE (E)
- ELECTRIC, TELEPHONE, CABLE (ETC)
- UTILITY POLE
- TRAFFIC SIGN
- IRON PIPE
- MONUMENT
- EDGE OF PAVEMENT WITH CURB
- FLOODWAY (FW)
- 100-YR FLOODPLAIN (100-YR)
- 500-YR FLOODPLAIN (500-YR)

SHEET LIST



I HEREBY CERTIFY THAT THE INLAND WETLAND BOUNDARY AND WATERCOURSE LINE(S) AS SHOWN ON THIS MAP ARE SUBSTANTIALLY CORRECT.

MATTHEW SANFORD - CERTIFIED SOIL SCIENTIST

SLR

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203 271 1773
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DESCRIPTION	DATE	BY

SITE PLAN - EXISTING CONDITIONS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

---	VEH	DLO
DESIGNED	DRAWN	CHECKED

1"=100'
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

02 OF 14
SHEET NO.

EX
SHEET NAME

LAYOUT NOTES

1. LAYOUT CRITERIA AND DIMENSIONS FOR BUILDINGS ARE NOT SHOWN ON THIS PLAN. ALL BUILDINGS SHALL BE LOCATED BY A CONNECTICUT LICENSED SURVEYOR AND COORDINATED WITH THE FOUNDATION PLANS SUPPLIED BY THE ARCHITECT OR THEIR CONSULTANT.

2. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

3. ALL ROADS AND ISLANDS TO BE CURBED WITH THE EXCEPTION OF ROUNDABOUT ISLAND AND EMERGENCY ACCESS DRIVE.

SEE LA-2 FOR ALL LANDSCAPING NOTES

PARK AMENITY LIST

- QUARTER MILE LOW IMPACT WALKING LOOP
- 20' X 30' OPEN AIR WOODEN PAVILION FOR OUTDOOR GATHERINGS AND EVENTS
- CHARCOAL GRILL STATIONS FOR SMALLER COOKOUTS
- MEDITATION PLATFORMS ALONG TRAIL AND ALONG WOODED EDGE
- HAMMOCK GROVE
- NATURE WORKOUT CIRCUIT
- WILDFLOWER/ POLLINATOR MEADOW PLANTINGS
- BIRDHOUSE/ BUTTERFLY GARDEN

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DESCRIPTION	DATE	BY

SITE PLAN - LAYOUT & LANDSCAPING

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

BDK	VEH/BDK	DLO
DESIGNED	DRAWN	CHECKED

SCALE: 1"=50'
DATE: MAY 17, 2021
PROJECT NO.: 15070.00006
SHEET NO.: 03 OF 14
SHEET NAME: **LA-1**

SEED MIX LEGEND

① (S)LOW GROW FESCUE MIX
50% Spartan II Hard Fescue*
25% Azay Sheeps Fescue
25% Blue Ray Blue Sheeps Fescu

AS MANUFACTURED BY:
THE CHARLES C. HART SEED CO.,
WETHERSFIELD, CT
TEL. 860-836-7337

② NEW ENGLAND SHOWY WILDFLOWER MIX
SPECIES Little Bluestem (Schizachyrium scoparium), Red Fescue (Festuca rubra), Indian Grass (Sorghastrum nutans), Partridge Pea (Chamaecrista fasciculata), Canada Wild Rye (Elymus canadensis), Riverbank Wild Rye (Elymus riparius), Butterfly Milkweed (Asclepias tuberosa), Black Eyed Susan (Rudbeckia hirta), Lance Leaved Coreopsis (Coreopsis lanceolata), Ox Eye Sunflower (Heliopsis helianthoides), Common Sneezeweed (Helenium autumnale), Marsh Blazing Star (Liatris spicata), Blue Vervain (Verbena hastata), New England Aster (Aster novae-angliae), Wild Blue False Indigo (Baptisia australis), HollowStem Joe Pye Weed (Eupatorium fistulosum/ Eutrochium fistulosum), Early Goldenrod (Solidago juncea)

AS MANUFACTURED BY:
NEW ENGLAND WETLAND PLANTS INC.,
AMHERST, MA
413-548-8000

③ NATIVE STEEP SLOPE MIX W/ANNUAL RYEGRASS
ERNMX-181 Mix of native grasses and forbs.

④ RETENTION BASIN FLOOR MIX
ERNMX-126 Mix of quickly establishing native grasses, sedges and rushes.

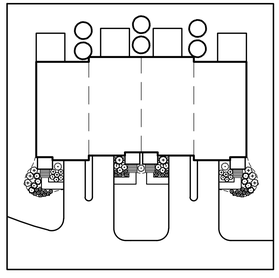
AS MANUFACTURED BY:
ERNST SEEDS. MEADVILLE, PA (800) 873-3321

⑤ INTERIOR LANDSCAPE BEDS - TO BE FURNISHED WITH ORNAMENTAL GRASSES AND NATIVE PERENNIAL PLANTINGS FOR SEASONAL INTEREST LOCATED BETWEEN HOMES AND ADDITIONALLY AT THE MAIN ENTRANCE.

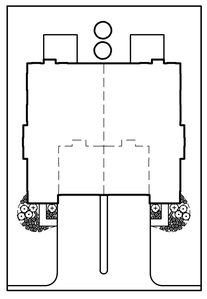
MOWN LAWN SEED
JONATHAN GREEN BLACK BEAUTY 'ULTRA' SEED BLEND, CONSISTING OF:

WEIGHT	PERCENT BY
DAKOTA TALL FESCUE	30%
MONTANA TALL FESCUE	30%
TOMBSTONE TALL FESCUE	30%
BLUE-TASTIC KENTUCKY BLUEGRASS	10%
FRONTIER PERENNIAL RYEGRASS	10%

-OR APPROVED EQUIVALENT



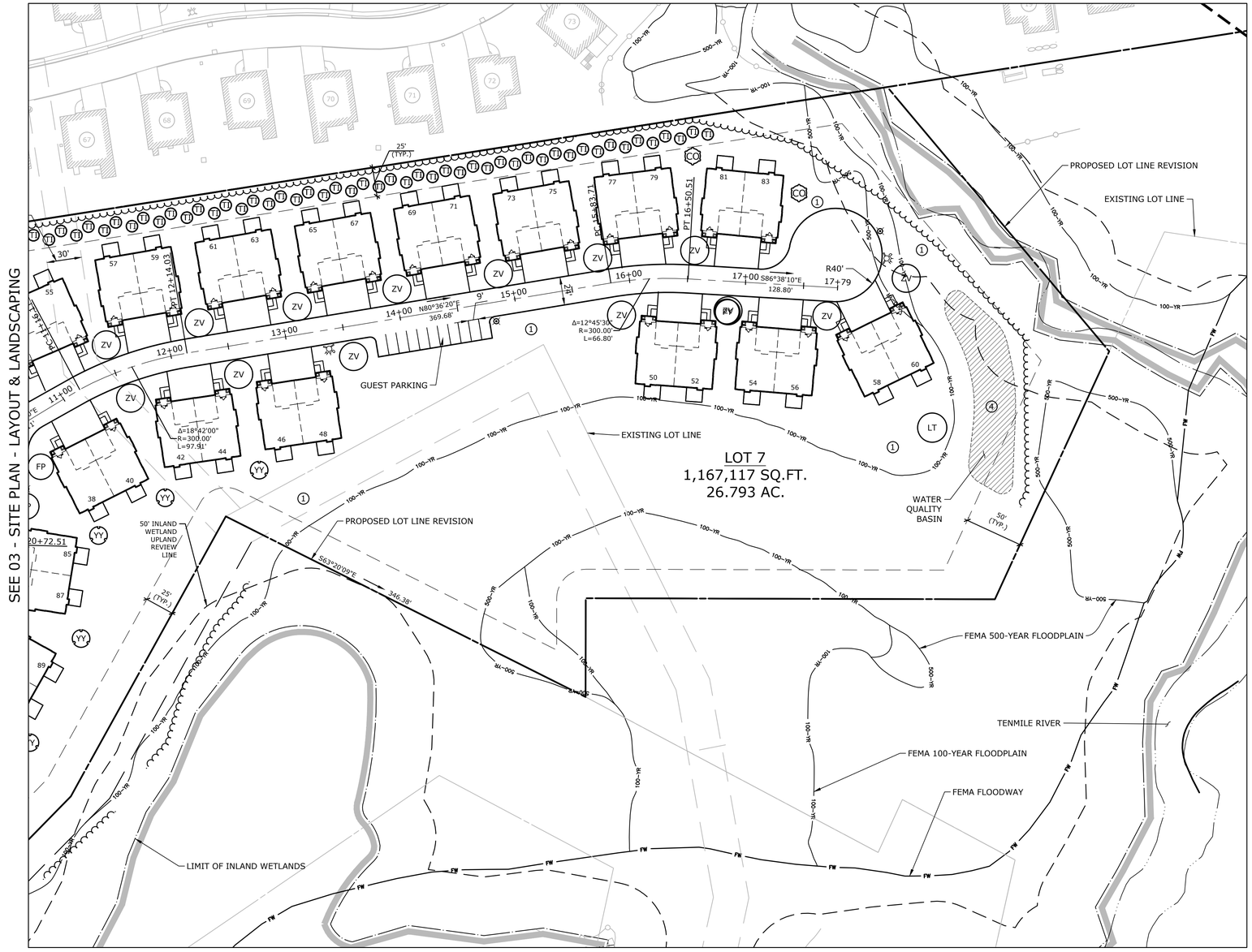
CONCEPTUAL FOUNDATION PLANTING SCHEME - TOWNHOUSE



CONCEPTUAL FOUNDATION PLANTING SCHEME - DUPLEX

PLANTING NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
2. THE LANDSCAPE CONTRACTOR SHALL PROVIDE TOPSOIL FOR ALL LAWN/SEEDED AREAS. WATER AS NECESSARY TO ESTABLISH TURF.
3. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF MULCH OVER ALL PLANTING BEDS AND TREE PLANTINGS.
4. PLANT SPECIES MAY BE ADJUSTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY EG HOMES.
5. ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING, AND 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.
6. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY EG HOMES. 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.
7. WHERE A SIZE RANGE IS SPECIFIED AT LEAST 50% OF PLANTS PROVIDED SHALL BE OF THE LARGER SIZE.
8. CONTRACTOR TO REMOVE TREE STAKES AFTER ONE GROWING SEASON.
9. PLACEMENT OF PLANTS ARE SUBJECT TO FINAL VERIFICATION IN THE FIELD BY EG HOMES.
10. ALL SIGHT LINES ALONG THE MAIN (UNNAMED) ACCESS ROAD SHALL BE CONTINUOUSLY MAINTAINED BY MOWING AND ALL OTHER MEANS NECESSARY FOR THEIR MAINTENANCE.



PROPOSED FOUNDATION PLANT PALETTE

FOUNDATION PLANTINGS:

SHADE PALETTE	BOTANICAL NAME	COMMON NAME	PLANTED HEIGHT	MATURE HT
MIX 'A'				
CR	Clethra alnifolia `Ruby Spice`	Ruby Spice Clethra	30-36"	5'
SS	Schizachyrium scoparium `The Blues`	Little Bluestem	18-24"	2-3'
VA	Vaccinium angustifolium	Lowbush Blueberry	6"	6-8"
CS	Carex pensylvanica	Pennsylvania Sedge	8"	12"
MIX 'B'				
TS	Ilex glabra `Shamrock`	Inkberry	24-30"	4-5'
DP	Dennstaedtia punctilobula	Hay-scented Fern	12"	24-30"
GP	Gaultheria procumbens	Wintergreen	6"	6"
LB	Liriope spicata `Big Blue`	Creeping Lily Turf	8"	12-15"

SUN PALETTE	BOTANICAL NAME	COMMON NAME	PLANTED HEIGHT	MATURE HT
MIX 'A'				
BG	Buxus x `Green Mountain`	Boxwood	24-30"	4-5'
SS	Schizachyrium scoparium `The Blues`	Little Bluestem	18-24"	2-3'
RP	Rosa x `Pink Knockout`	Pink Knockout Rose	18-24"	3-4'
IL	Itea virginica `Little Henry`	Virginia Sweetspire	12-18"	2-3'
JB	Juniperus horizontalis `Bar Harbor`	Bar Harbor Creeping Juniper	6"	6"
MIX 'B'				
JB2	Juniperus chinensis `Blue Point`	Blue Point Juniper	4-5'	8-10'
PH	Panicum virgatum `Heavy Metal`	Blue Switch Grass	24-30"	4-5'
IR	Ilex verticillata `Red Sprite`	Red Sprite Winterberry	18-24"	2-3'
NR	Nepeta faassenii 'Walkers Low'	Catmint	6-9"	18"
VA	Vaccinium angustifolium	Lowbush Blueberry	6"	6-8"

PATIO SCREENING	BOTANICAL NAME	COMMON NAME	PLANTED HEIGHT	MATURE HT
AC	Amelanchier canadensis	Shadblow Serviceberry Multitrunk	8`/10` HT.	15-20'
CF	Carpinus betulus 'Franz Fontaine'	Columnar Hornbeam	8`/10` HT.	30'
TI	Thuja x 'Green Giant'	Green Giant Arborvitae	8`/10` HT.	25'
MP	Myrica pensylvanica	Northern Bayberry	24-30"	6-10'
PC	Prunus x cistena	Purple Leaf Sand Cherry	24-30"	6-10'
VD	Viburnum dentatum `Arrowwood`	Arrowwood Viburnum	30-36'	6-10'
VA3	Viburnum trilobum	American Cranberrybush	30-36'	8-15'

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS
AR	5	Acer rubrum `Red Sunset`	Red Sunset Maple	3.0" Cal.	B & B	FULL & DENSE
BC	37	Betula nigra 'Cully Improved' TM	Heritage Improved River Birch	8`/10` HT.	B & B	FULL & DENSE
CO	22	Cornus florida `Cherokee Brave`	Cherokee Brave Dogwood	8`/10` HT.	B & B	FULL & DENSE
LT	3	Liriodendron tulipifera	Tulip Tree	3.0" Cal.	B & B	6` MIN. BRANCHING HT.
PP	5	Picea pungens glauca	Colorado Blue Spruce	6`/8` HT.	B & B	FULL & DENSE
PS	9	Pinus strobus	White Pine	6`/8` HT.	B & B	FULL & DENSE
PY	14	Platanus x acerifolia `Youngblood`	London Plane Tree	3.0" Cal.	B&B	FULL & DENSE
YY	36	Prunus x yedoensis 'Akebono'	Akebono Yoshino Cherry	2"-2.5"	B & B	FULL & DENSE
FP	23	Pyrus calleryana `Holmford` TM	New Bradford Callery Pear	3.0" Cal.	B&B	FULL & DENSE
TI	162	Thuja x 'Green Giant'	Green Giant Arborvitae	7`/8` HT.	B & B	FULL & DENSE
UA	13	Ulmus parvifolia `Allee`	Allee Lacebark Elm	3.0" Cal.	B & B	6` MIN. BRANCHING HT.
ZV	21	Zelkova serrata `Village Green`	Village Green Sawleaf Zelkova	3.0" Cal.	B&B	FULL & DENSE

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SITE PLAN - LAYOUT & LANDSCAPING
MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

DESIGNED	DRAWN	CHECKED
BDK	VEH/BDK	DLO

SCALE: 1"=50'
DATE: MAY 17, 2021
PROJECT NO.: 15070.00006
SHEET NO.: 04 OF 14
SHEET NAME: LA-2

SHEET NOTES:

1. SEE GR-2 FOR ALL GRADING NOTES

SEE 06 - SITE PLAN - GRADING

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DESCRIPTION	DATE	BY

SITE PLAN - GRADING

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

05 OF 14
SHEET NO.

GR-1
SHEET NAME

LEGEND

× 70.5	EXISTING SPOT ELEVATION
+ 70.5	PROPPOSED SPOT ELEVATION
———70———	EXISTING CONTOUR
——(124)——	PROPOSED CONTOUR

GRADING NOTES:

1. IN ALL CASES IN WHICH PROPOSED ROADS AND CURBING WILL BE TIED INTO EXISTING ROAD AND/OR CURBS THE CONTRACTOR SHALL MATCH THE LINE AND GRADE OF THE EXISTING ROAD.
2. T.F.=TOP OF FRAME FOR MANHOLE, TOP OF GRATE FOR STRUCTURE WITH GRATE.
3. GF=GARAGE FINISH FLOOR
4. FOR DUPLEX UNITS
   4.1. FINISH FLOOR = GF + 1.5'
   4.2. BASEMENT FINISH FLOOR = GF - 8.5'
5. FOR 4-PLEX UNITS
   5.1. SECOND FLOOR = GF + 10.0'

N
W E
S
0' 25' 50'
0 1/2" 1"

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DESCRIPTION	DATE	BY

SITE PLAN - GRADING

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

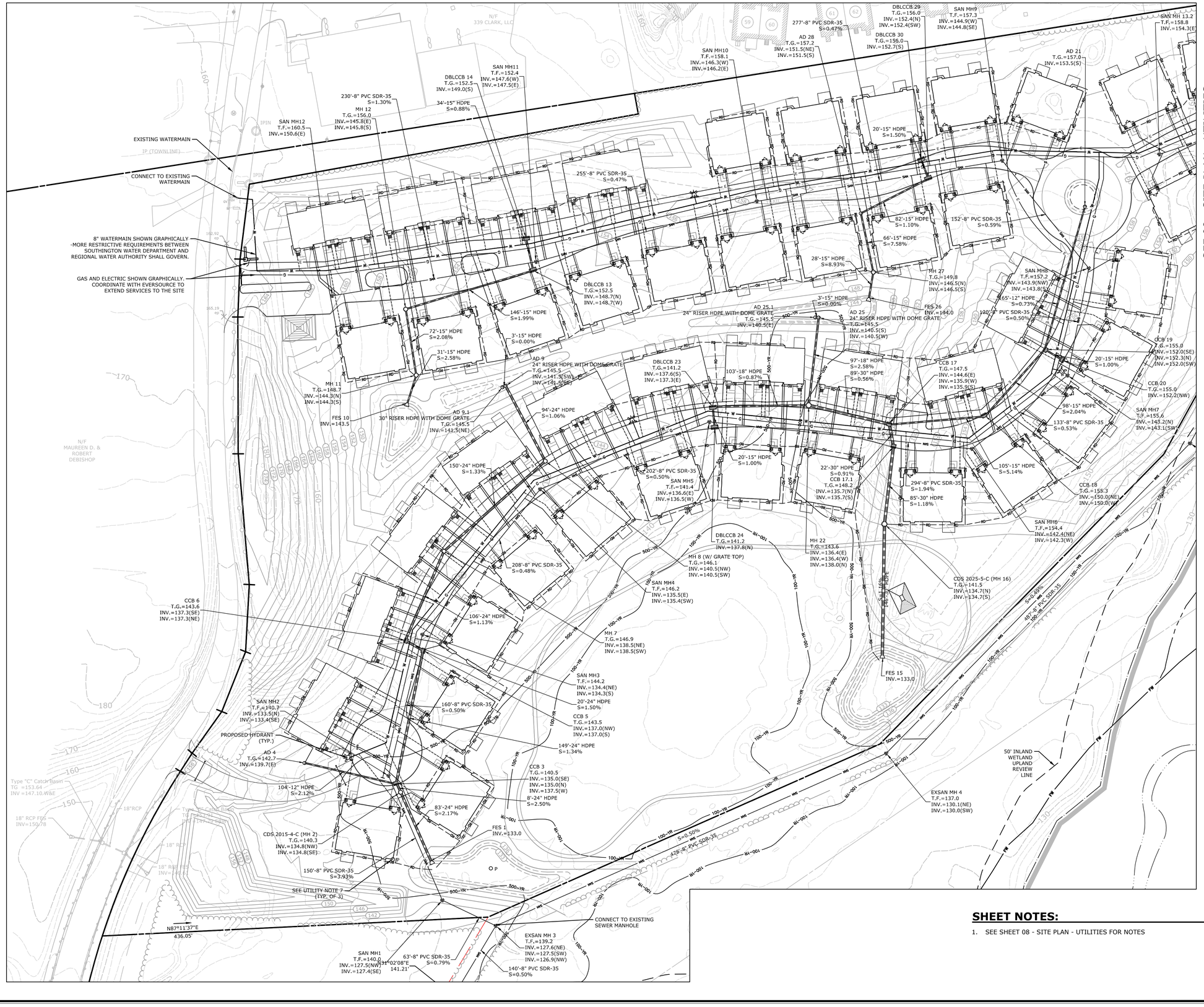
1"=50'
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

06 OF 14
SHEET NO.

GR-2
SHEET NAME



SHEET NOTES:

1. SEE SHEET 08 - SITE PLAN - UTILITIES FOR NOTES

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DESCRIPTION	DATE	BY

SITE PLAN - UTILITIES

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

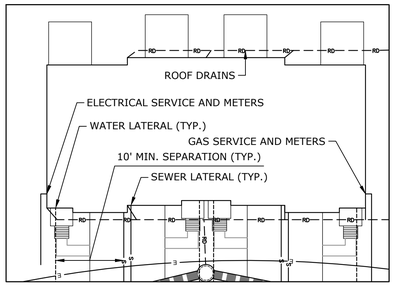
1"=50'
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

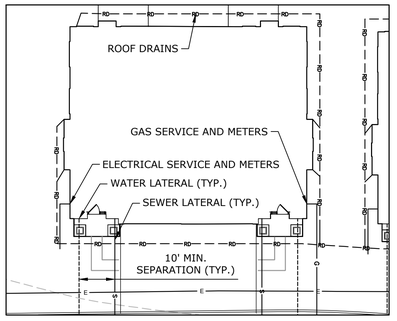
07 OF 14
SHEET NO.

UT-1
SHEET NAME



4-PLEX SERVICE LATERALS (TYP.)

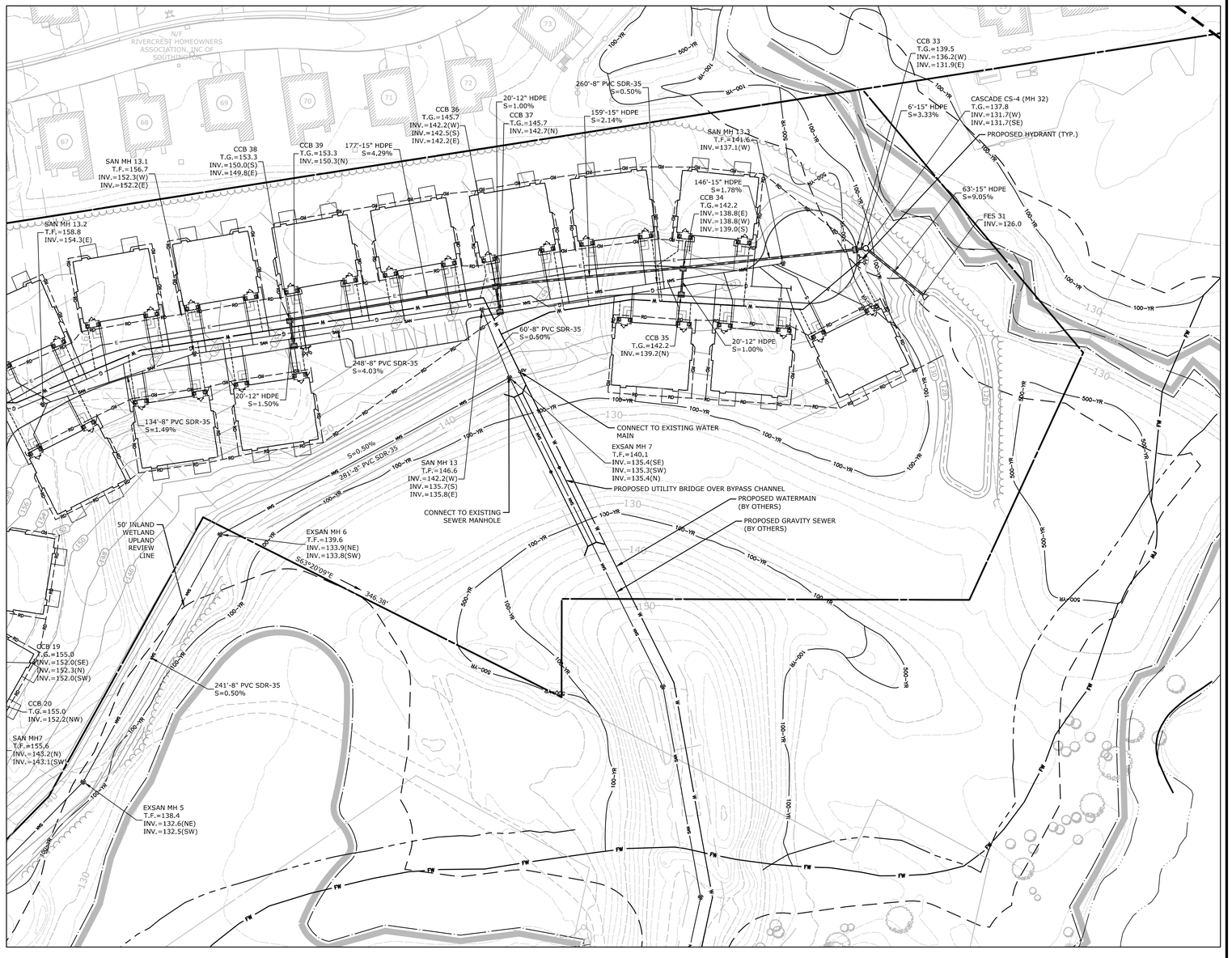
1"=20'



DUPLEX SERVICE LATERALS (TYP.)

1"=20'

SEE 07 - SITE PLAN - UTILITIES



UTILITY NOTES:

1. WATER, GAS, AND ETC ARE SCHEMATICALLY SHOWN. COORDINATION SHALL BE MADE WITH APPROPRIATE UTILITY COMPANIES FOR ACTUAL ROUTING AND INDIVIDUAL SERVICES.
2. ALL PROPOSED PIPE LENGTHS HAVE BEEN MEASURED FROM OUTER WALL-TO-OUTER WALL OF STRUCTURE.
3. ALL ROOF DRAINS SHALL BE 12" HDPE AND MINIMUM SLOPE OF 0.5%.
4. INDIVIDUAL SANITARY SEWER SERVICE LATERALS SHALL BE 6" SDR-35 PVC AND MINIMUM SLOPE OF 2.08%.
5. SEPARATION DISTANCE BETWEEN WATER AND SANITARY SHALL BE 10' LATERAL OR 18" VERTICAL.
6. SANITARY SEWER AND WATER MAIN NOTED AS 'EX' OR EXISTING IS PREVIOUSLY PERMITTED AND WILL BE INSTALLED PRIOR TO THIS DEVELOPMENT.
7. ○P = INDICATES SUMP PUMP REQUIRED FOR FOOTING DRAIN.

0' 25' 50'
0 1/2" 1"

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DESCRIPTION	DATE	BY

SITE PLAN - UTILITIES

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

SCALE	1"=50'
DATE	MAY 17, 2021
PROJECT NO.	15070.00006
SHEET NO.	08 OF 14
SHEET NAME	UT-2

NDDB PROTECTION STRATEGIES FOR EASTERN BOX TURTLES, WOOD TURTLES & EASTERN RIBBON SNAKES:

1. A QUALIFIED HERPETOLOGIST SHALL SURVEY/SWEEP THE AREAS ALONG THE LIMITS OF DISTURBANCE PRIOR TO ANY CONSTRUCTION. THIS SHALL OCCUR IMMEDIATELY PRIOR TO (WITHIN 24 HOURS) THEN IMMEDIATELY FOLLOWING THE INSTALLATION OF THE EROSION AND SEDIMENTATION CONTROL BARRIER, IF THIS WORK IS TO BE CONDUCTED FROM MID-APRIL TO MID-JUNE WHEN TURTLES (IF PRESENT) ARE MOST ACTIVE.
2. HIRING A QUALIFIED HERPETOLOGIST TO BE ON SITE TO ENSURE THESE PROTECTION GUIDELINES REMAIN IN EFFECT AND PREVENT TURTLES AND SNAKES FROM BEING RUN OVER WHEN MOVING HEAVY EQUIPMENT. THIS IS ESPECIALLY IMPORTANT IN THE MONTH OF JUNE WHEN TURTLES ARE SELECTING NESTING SITES.
3. EXCLUSIONARY PRACTICES WILL BE REQUIRED TO PREVENT ANY TURTLE OR SNAKE ACCESS INTO CONSTRUCTION AREAS. THESE MEASURES WILL NEED TO BE INSTALLED AT THE LIMITS OF DISTURBANCE.
4. EXCLUSIONARY FENCING MUST BE AT LEAST 20 IN TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMAL PASS THROUGH. DO NOT USE PLASTIC WEB OR NETTED SILT-FENCE.
5. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, MUST BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
6. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE OR SNAKE HABITAT MUST BE APPRISED OF THE SPECIES DESCRIPTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES, AND INSTRUCTED TO RELOCATE TURTLES OR SNAKES FOUND INSIDE WORK AREAS OR NOTIFY THE APPROPRIATE AUTHORITIES TO RELOCATE INDIVIDUALS.
7. ANY TURTLES OR SNAKES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHOULD BE INSPECTED TO IDENTIFY AND REMOVE ACCESS POINT.
8. IN AREAS WHERE SILT FENCE IS USED FOR EXCLUSION, IT SHALL BE REMOVED AS SOON AS THE AREA IS STABLE TO ALLOW FOR REPTILE PASSAGE TO RESUME.
9. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT.
10. AVOID DEGRADATION OF WETLAND HABITATS INCLUDING ANY WET MEADOWS AND SEASONAL POOLS.
11. THE CONTRACTOR OR CONSULTING HERPETOLOGIST MUST SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY WORK BEING DONE.
12. WHEN FELLING TREES ADJACENT TO BROOKS AND STREAMS PLEASE CUT THEM TO FALL AWAY FROM THE WATERWAY AND DO NOT DRAG TREES ACROSS THE WATERWAY OR REMOVE STUMPS FROM BANKS.
13. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 50 FEET OF STREAMS AND BROOKS.
14. ANY CONFIRMED SIGHTINGS OF BOX OR WOOD TURTLES OR RIBBON SNAKES SHOULD BE REPORTED AND DOCUMENTED WITH THE NDDB (NDDBREQUESTDEP@CT.GOV) ON THE APPROPRIATE SPECIAL ANIMAL FORM FOUND AT (HTTP://WWW.CT.GOV/DEEP/CWP/VIEW.ASP?A=2702&Q=323460&DEPNAV_GID=1641)

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" AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

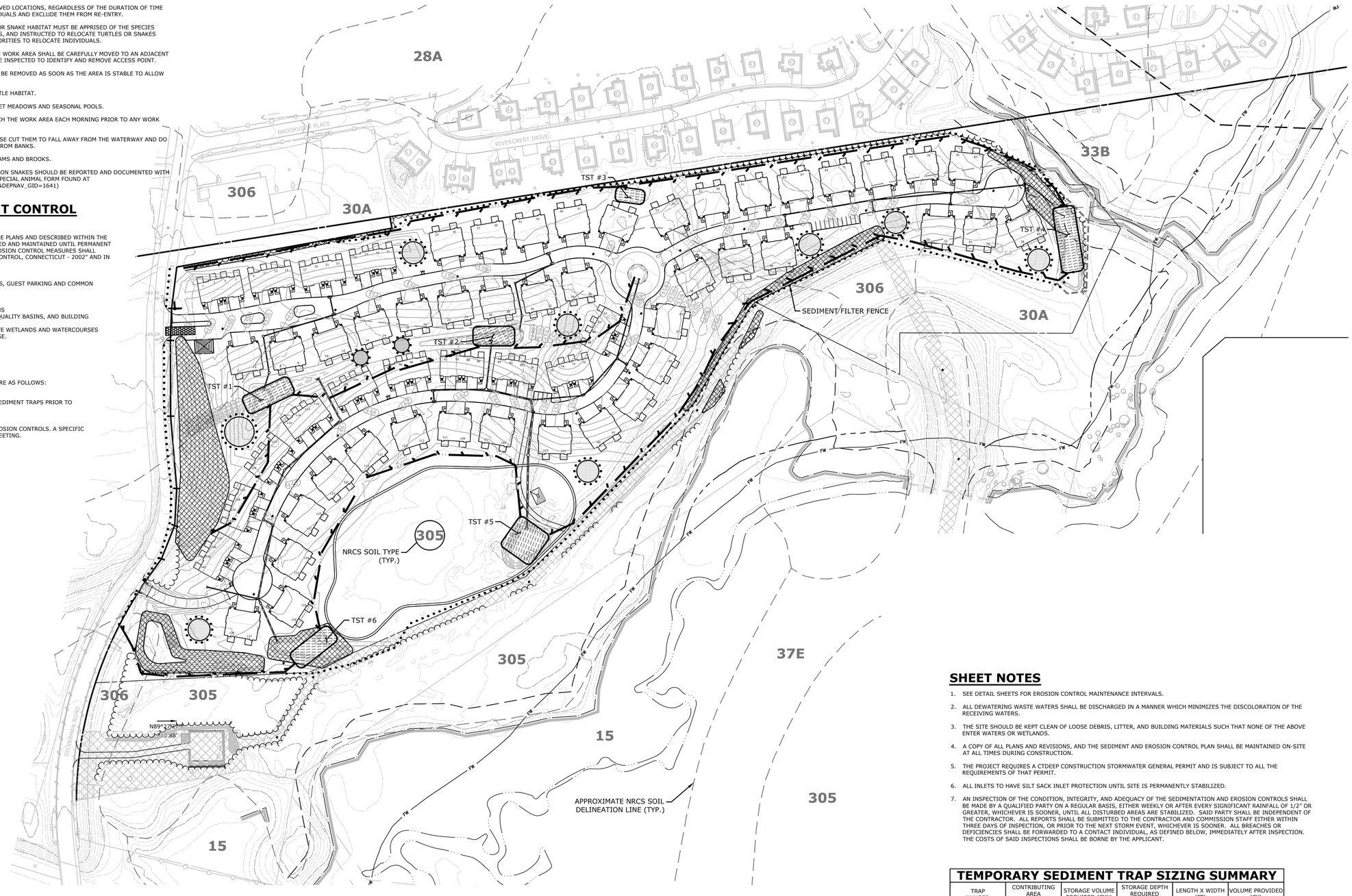
1. PURPOSE AND DESCRIPTION OF PROJECT
   - 1.1. PROPOSED MULTIFAMILY DEVELOPMENT WITH ACCESS DRIVES, GUEST PARKING AND COMMON AREAS
   - 1.2. ESTIMATED AREA OF DISTURBANCE: ±20.6 ACRES
2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
   - 2.1. CUTS AND FILLS ASSOCIATED WITH ACCESS DRIVE, WATER QUALITY BASINS, AND BUILDING CONSTRUCTION.
   - 2.2. PROTECTION OF NDDB PROTECTED SPECIES, ON AND OFF-SITE WETLANDS AND WATERCOURSES ASSOCIATED WITH THE TENMILE RIVER AND STORM DRAINAGE.
3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
   - 3.1. TOWN OF CHESHIRE PLANNING & ZONING SPECIAL PERMIT.
   - 3.2. TOWN OF CHESHIRE INLAND WETLAND PERMIT.
   - 3.3. CT DEEP CONSTRUCTION STORMWATER GENERAL PERMIT.
4. CONSERVATION PRACTICES INCORPORATED INTO THE PROJECT ARE AS FOLLOWS:
   - 4.1. DETAILED CONSTRUCTION SEQUENCE - SEE TITLE SHEET
   - 4.2. DETAILED SOIL EROSION AND SEDIMENT CONTROL PLAN.
   - 4.3. MULTIPLE TEMPORARY DIVERSION BERMS AND TEMPORARY SEDIMENT TRAPS PRIOR TO DISCHARGING TO WETLANDS.
5. CONTACT PERSON
   - 5.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROLS. A SPECIFIC INDIVIDUAL SHALL BE NAMED AT THE PRE-CONSTRUCTION MEETING.

NRCS SOIL TYPES

SOIL TYPE	DESCRIPTION
15	SCARBORO MUCK, 0 TO 3 PERCENT SLOPES
30A	BRANFORD SILT LOAM, 0 TO 5 PERCENT SLOPES
37E	MANCHESTER GRAVELLY SANDY LOAM, 15 TO 45 PERCENT SLOPES
305	UDORTHENTS-PITS COMPLEX, GRAVELLY
306	UDORTHENTS-URBAN LAND COMPLEX

LEGEND

- IP — INLET PROTECTION (ALL INLETS)
- GSF — SEDIMENT FILTER FENCE
- SFHB — SEDIMENT FILTER FENCE AND HAYBALE
- STK — TEMPORARY SOIL STOCKPILE AREA SURROUNDED WITH SEDIMENT FILTER FENCE
- CE — CONSTRUCTION ENTRANCE
- DB — TEMPORARY DIVERSION BERM/SWALE WITH CHECK DAMS
- TST — TEMPORARY SEDIMENT TRAP
- ECB — EROSION CONTROL BLANKET



SHEET NOTES

1. SEE DETAIL SHEETS FOR EROSION CONTROL MAINTENANCE INTERVALS.
2. ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
3. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
4. A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.
5. THE PROJECT REQUIRES A CTDEEP CONSTRUCTION STORMWATER GENERAL PERMIT AND IS SUBJECT TO ALL THE REQUIREMENTS OF THAT PERMIT.
6. ALL INLETS TO HAVE SILT SACK INLET PROTECTION UNTIL SITE IS PERMANENTLY STABILIZED.
7. AN INSPECTION OF THE CONDITION, INTEGRITY, AND ADEQUACY OF THE SEDIMENTATION AND EROSION CONTROLS SHALL BE MADE BY A QUALIFIED PARTY ON A REGULAR BASIS, EITHER WEEKLY OR AFTER EVERY SIGNIFICANT RAINFALL OF 1/2" OR GREATER, WHICHEVER IS SOONER, UNTIL ALL DISTURBED AREAS ARE STABILIZED. SAID PARTY SHALL BE INDEPENDENT OF THE CONTRACTOR. ALL REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR AND COMMISSION STAFF EITHER WITHIN THREE DAYS OF INSPECTION, OR PRIOR TO THE NEXT STORM EVENT, WHICHEVER IS SOONER. ALL BREACHES OR DEFICIENCIES SHALL BE FORWARDED TO A CONTACT INDIVIDUAL, AS DEFINED BELOW, IMMEDIATELY AFTER INSPECTION. THE COSTS OF SAID INSPECTIONS SHALL BE BORNE BY THE APPLICANT.

TEMPORARY SEDIMENT TRAP SIZING SUMMARY

TRAP NUMBER	CONTRIBUTING AREA (ACRES)	STORAGE VOLUME REQUIRED (CY)*	STORAGE DEPTH REQUIRED (FT)	LENGTH X WIDTH (FT)	VOLUME PROVIDED (CY)
#1	3.35	449	3	105x40	±465
#2	2.70	362	3	85x40	±375
#3	1.30	175	3	60x30	±200
#4	4.95	664	3	135x45	±675
#5	4.50	603	3	75x75	±625
#6	3.15	425	3	100x40	±440
*134 CY STORAGE VOLUME REQUIRED PER ACRE CONTRIBUTING AREA TO TST					

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DESCRIPTION	DATE	BY
SHEET NOTE 7	6/4/2021	VEH

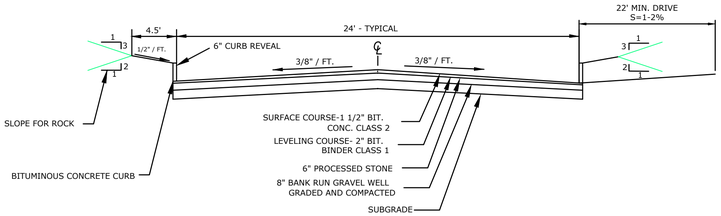
SITE PLAN - EROSION & SEDIMENTATION CONTROLS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

DESIGNED	DRAWN	CHECKED
VEH	VEH/STN	DLO

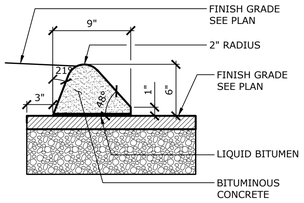
SCALE: 1"=100'
DATE: MAY 17, 2021
PROJECT NO.: 15070.00006
SHEET NO.: 09 OF 14
SHEET NAME: SE



ROADWAY CROSS SECTION

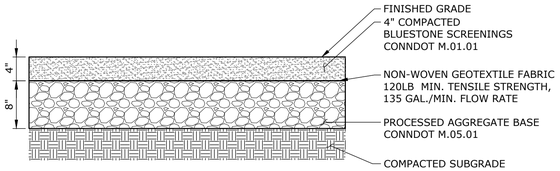
NOT TO SCALE

NOTES:
1. EMERGENCY ACCESS DRIVE TO BE 12' WIDE AND PAVED. NO CURBING PROVIDED ON EMERGENCY ACCESS DRIVE.



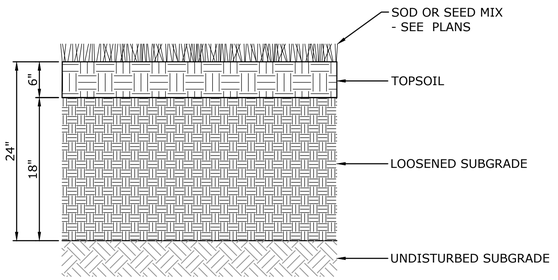
BITUMINOUS CONCRETE LIP CURB

NOT TO SCALE



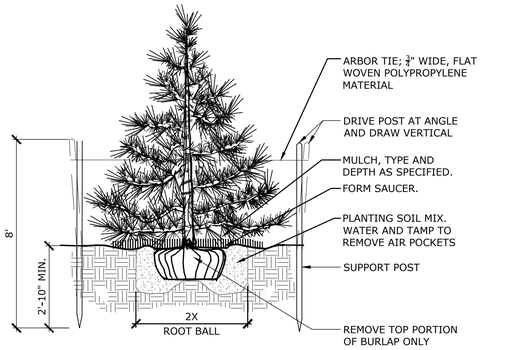
JOGGING PATH (1/4 MILE TRAIL)

NOT TO SCALE



LAWN DETAIL

NOT TO SCALE

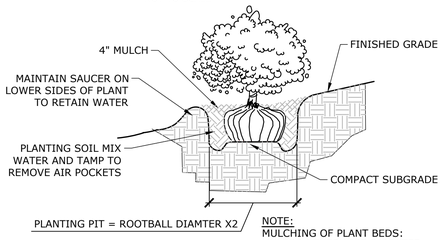


NOTES:
1. PROVIDE STAKING AS REQUIRED.
2. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.
3. PAINT ALL CUTS.
4. REMOVE ALL CONTAINERS AND BASKETS FROM ROOT BALL.
5. REMOVE BURLAP FROM TOP OF ROOT BALL.

NOTE: REMOVE ALL BOULDERS & LEDGE 18" BELOW SUBGRADE

EVERGREEN TREE PLANTING DETAIL

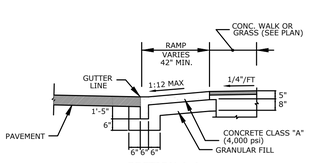
NOT TO SCALE



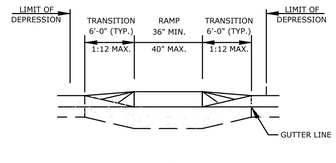
NOTE:
MULCHING OF PLANT BEDS:
UNLESS OTHERWISE DIRECTED SHREDDED MULCH SHALL BE PLACED TO A LIMIT OF TWO FEET BEYOND THE CENTER OF THE OUTERMOST SHRUBS IN SHRUB BED.

SHRUB PLANTING

NOT TO SCALE

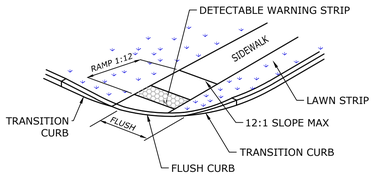


SECTION A-A



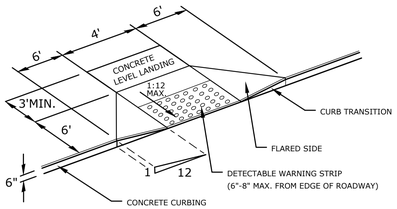
ELEVATION

NOTE: ALL INDICATED SLOPES ARE MAXIMUMS



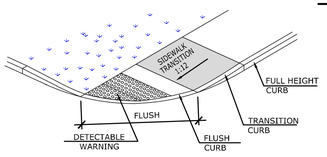
ACCESSIBLE DROP RAMP - TYPE C

NOT TO SCALE



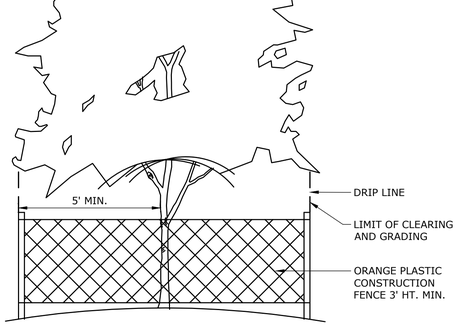
ACCESSIBLE DROP RAMP - TYPE A

NOT TO SCALE



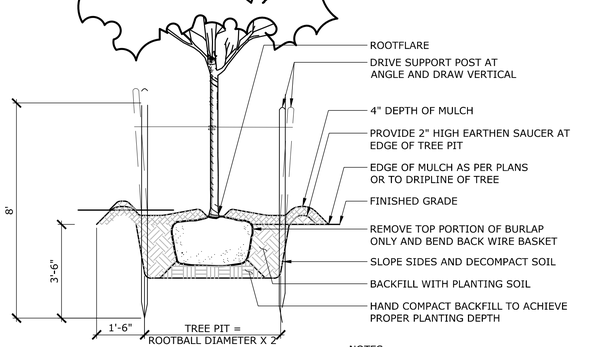
ACCESSIBLE DROP RAMP - TYPE B

NOT TO SCALE



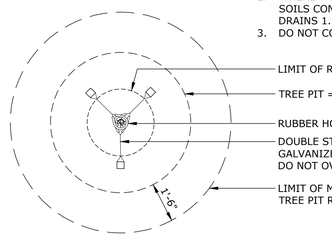
TREE PROTECTION

NOT TO SCALE



SECTION

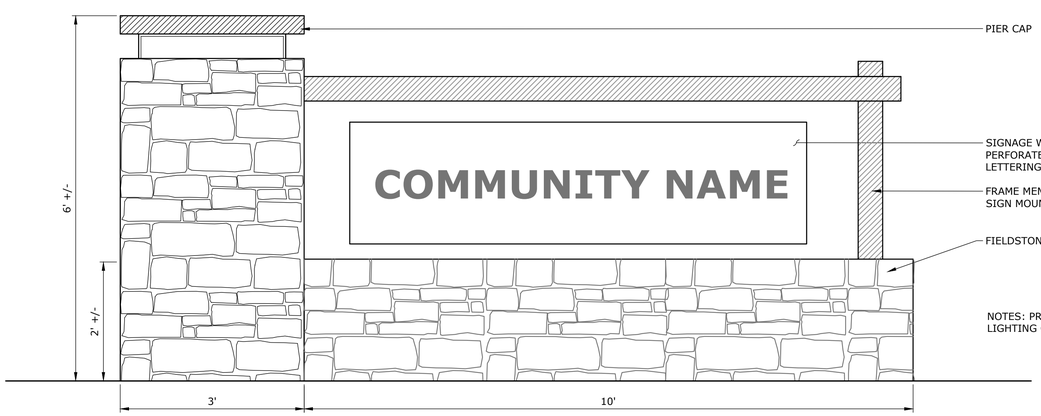
NOTES:
1. SUPPORT POSTS SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION
2. WHERE TREES ARE PLANTED IN COMPACTED SOILS CONTRACTOR TO INSURE PLANT PIT DRAINS 1.5"/ HOUR
3. DO NOT COVER TREE TRUNK WITH MULCH



PLAN

TREE PLANTING

NOT TO SCALE



ENTRY SIGNAGE - ELEVATION

NOT TO SCALE

CONCEPTUAL SIGNAGE EXAMPLE IMAGE

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DESCRIPTION	DATE	BY

SITE DETAILS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

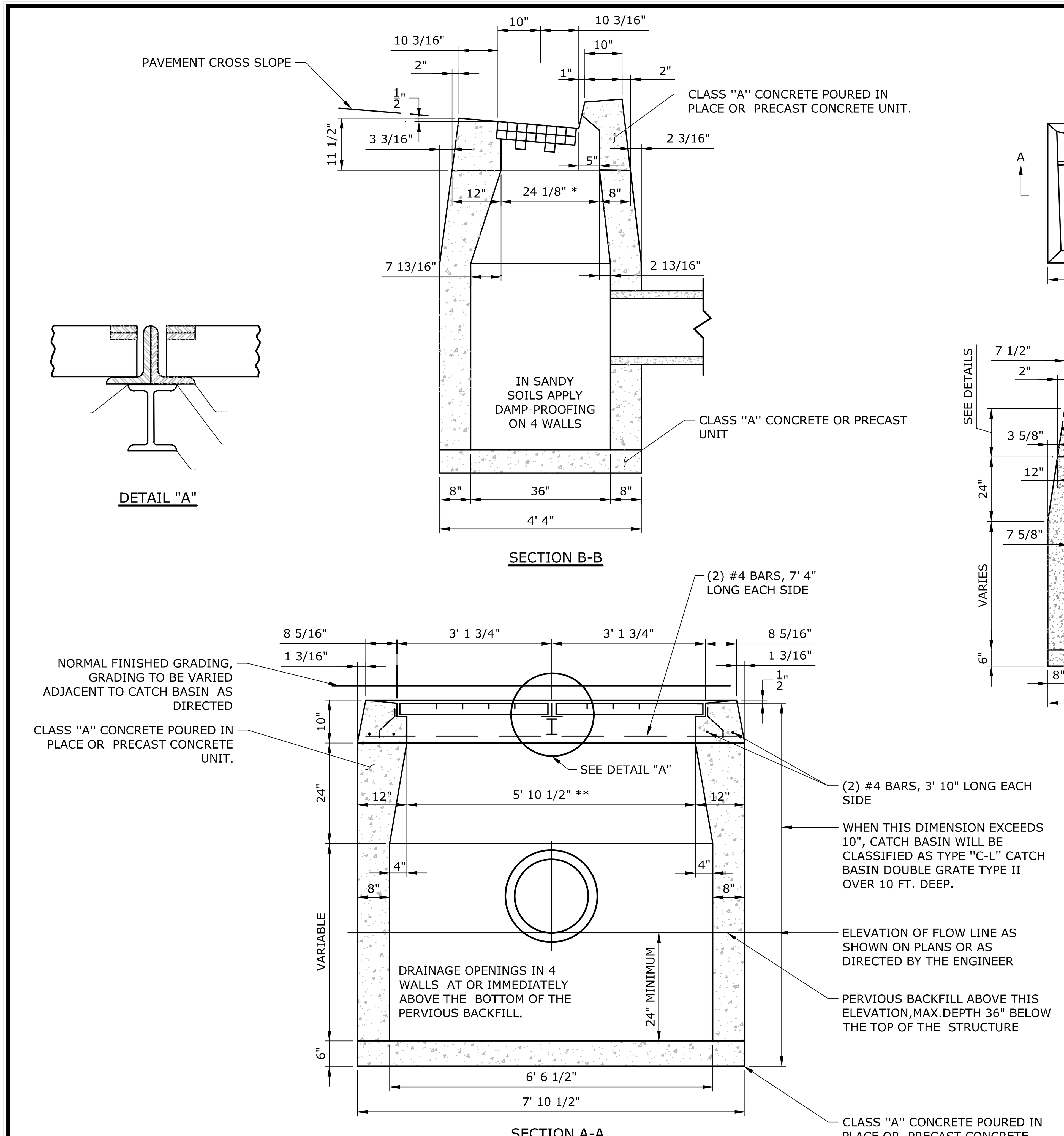
AS NOTED
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

10 OF 14
SHEET NO.

SD-1
SHEET NAME

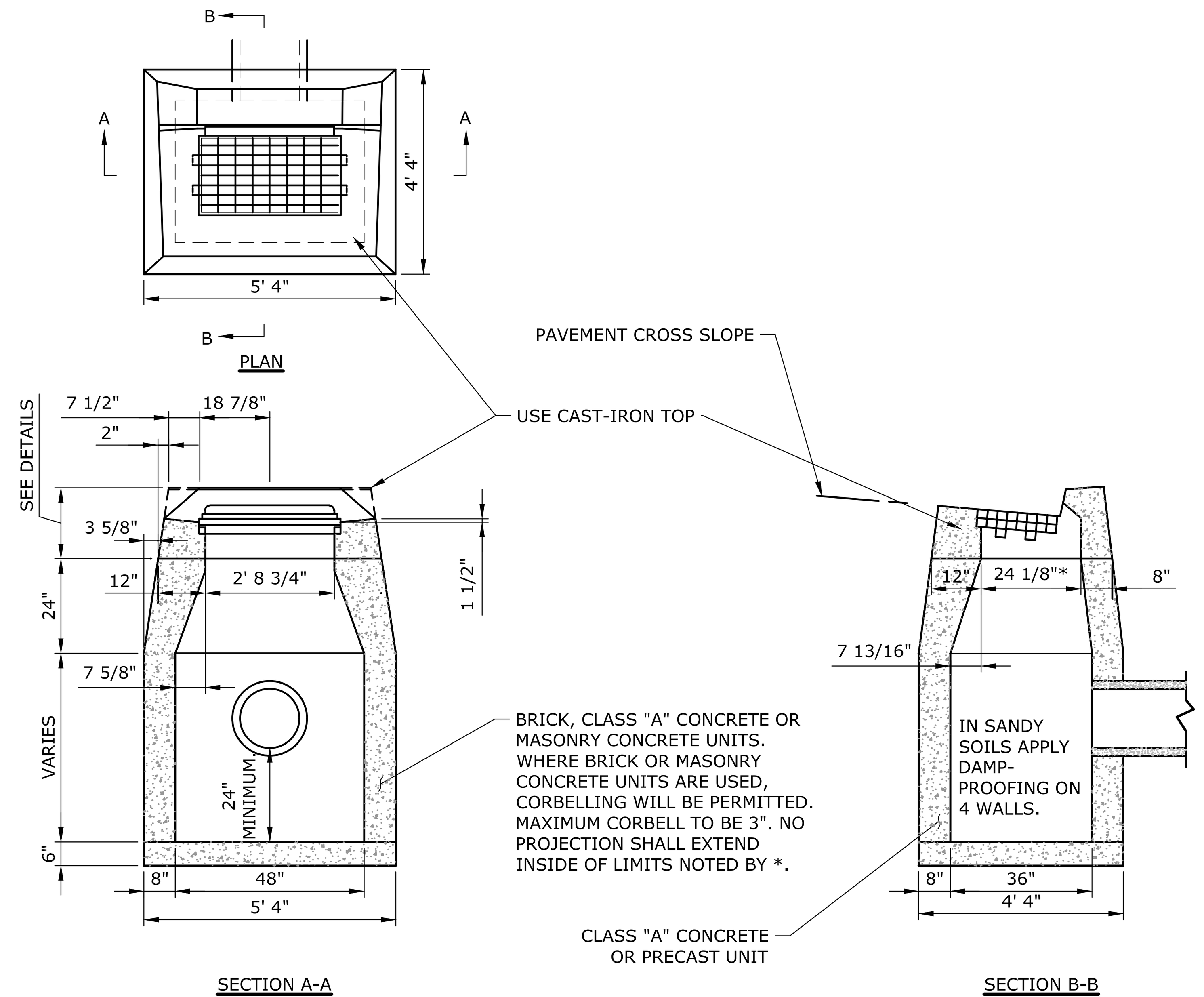


NOTES:

1. FOR DETAILS OF STEEL FRAME & GRATE SEE STANDARD SHEET NO. 507-K TWO FRAMES & GRATES REQUIRED FOR EACH CATCH BASIN.
2. WALLS OF ALL CATCH BASINS OVER 10 FT. DEEP TO BE INCREASED TO 12" THICKNESS, INSIDE DIMENSIONS TO REMAIN THE SAME.
3. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN ACCORDANCE WITH M.06.03.
4. ALL BARS SHALL HAVE 2" COVER.

TYPE "C" CATCH BASIN
DOUBLE GRATE - TYPE II

NOT TO SCALE

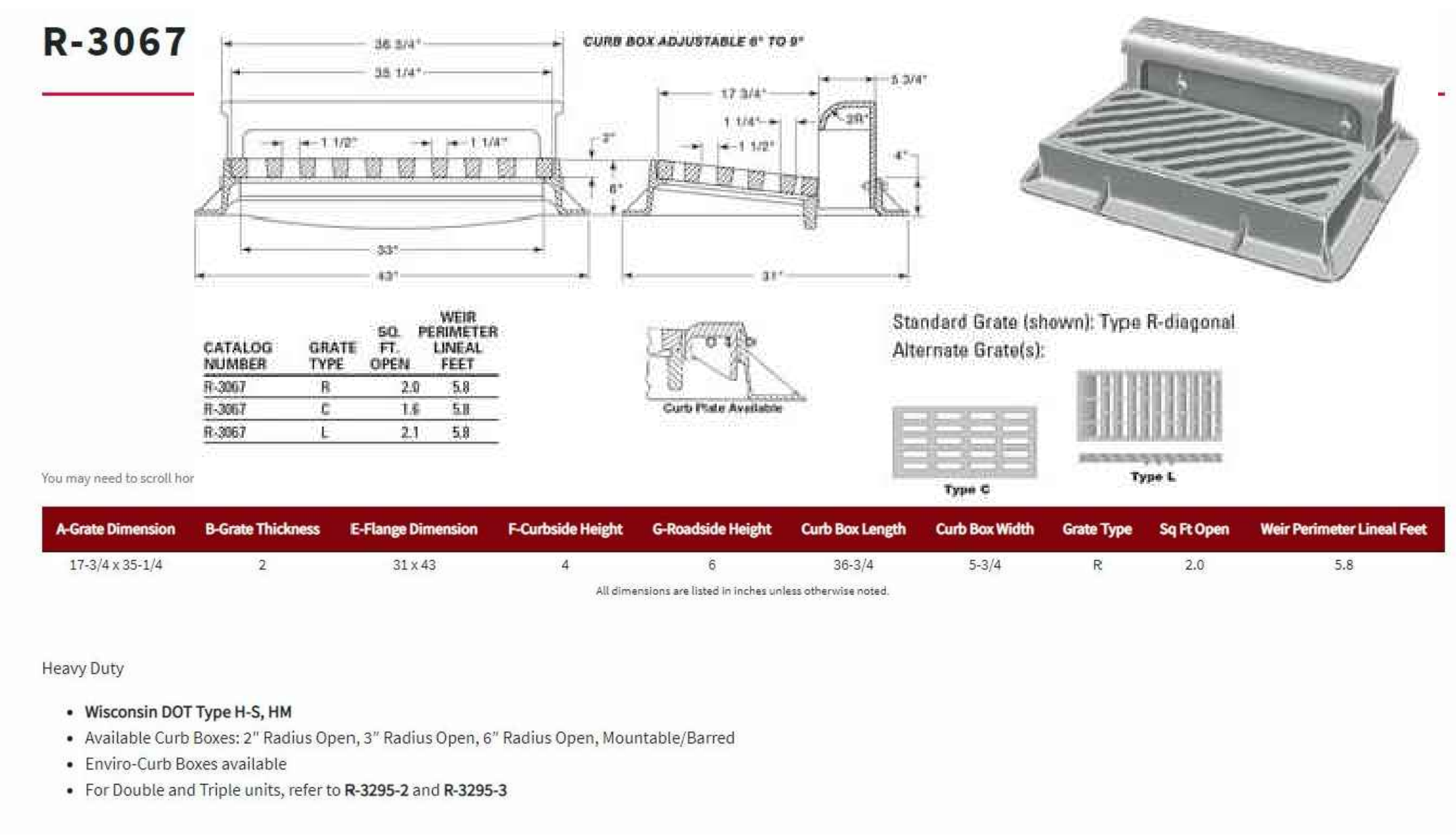


NOTES:

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

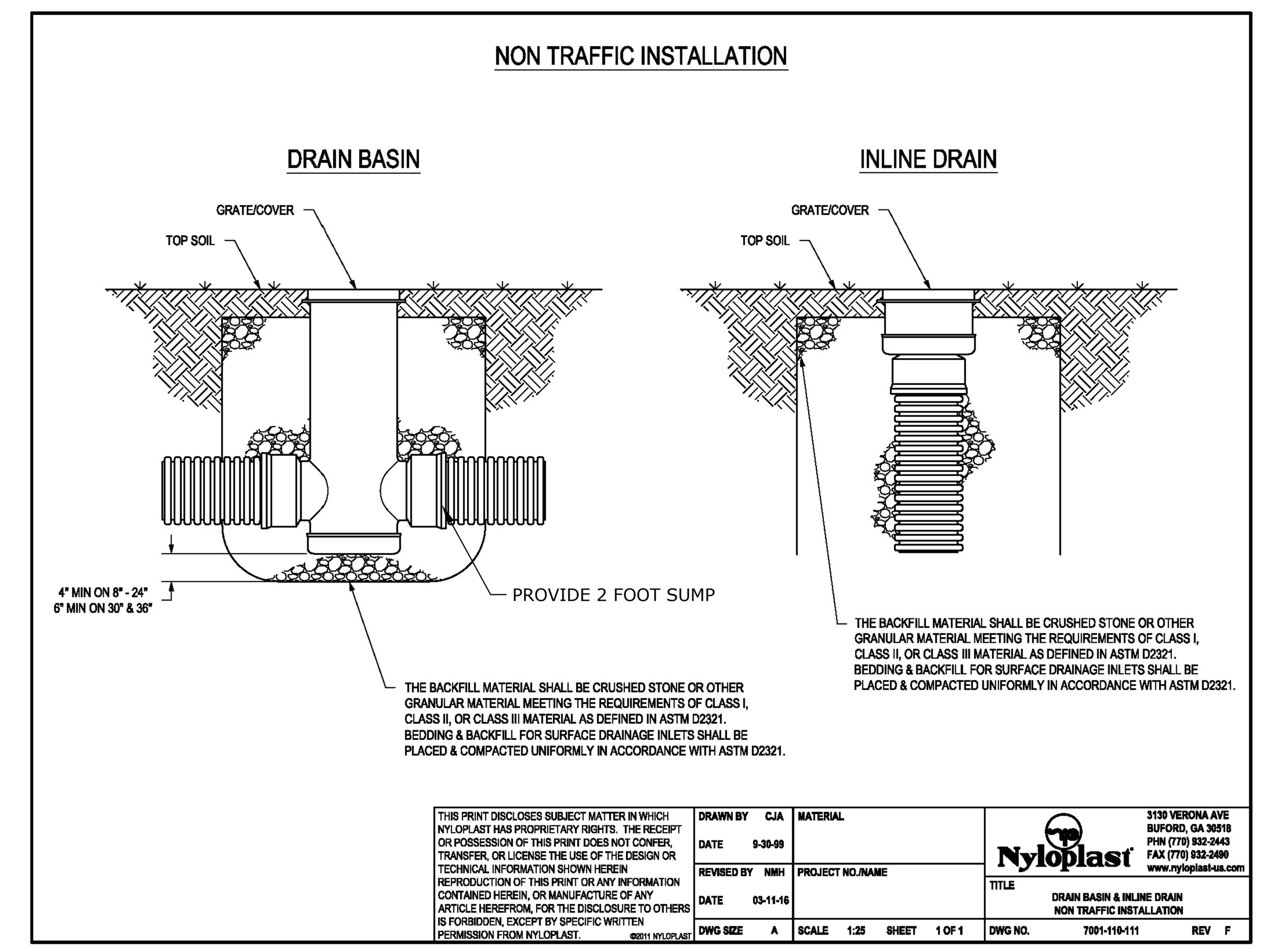
NOT TO SCALE



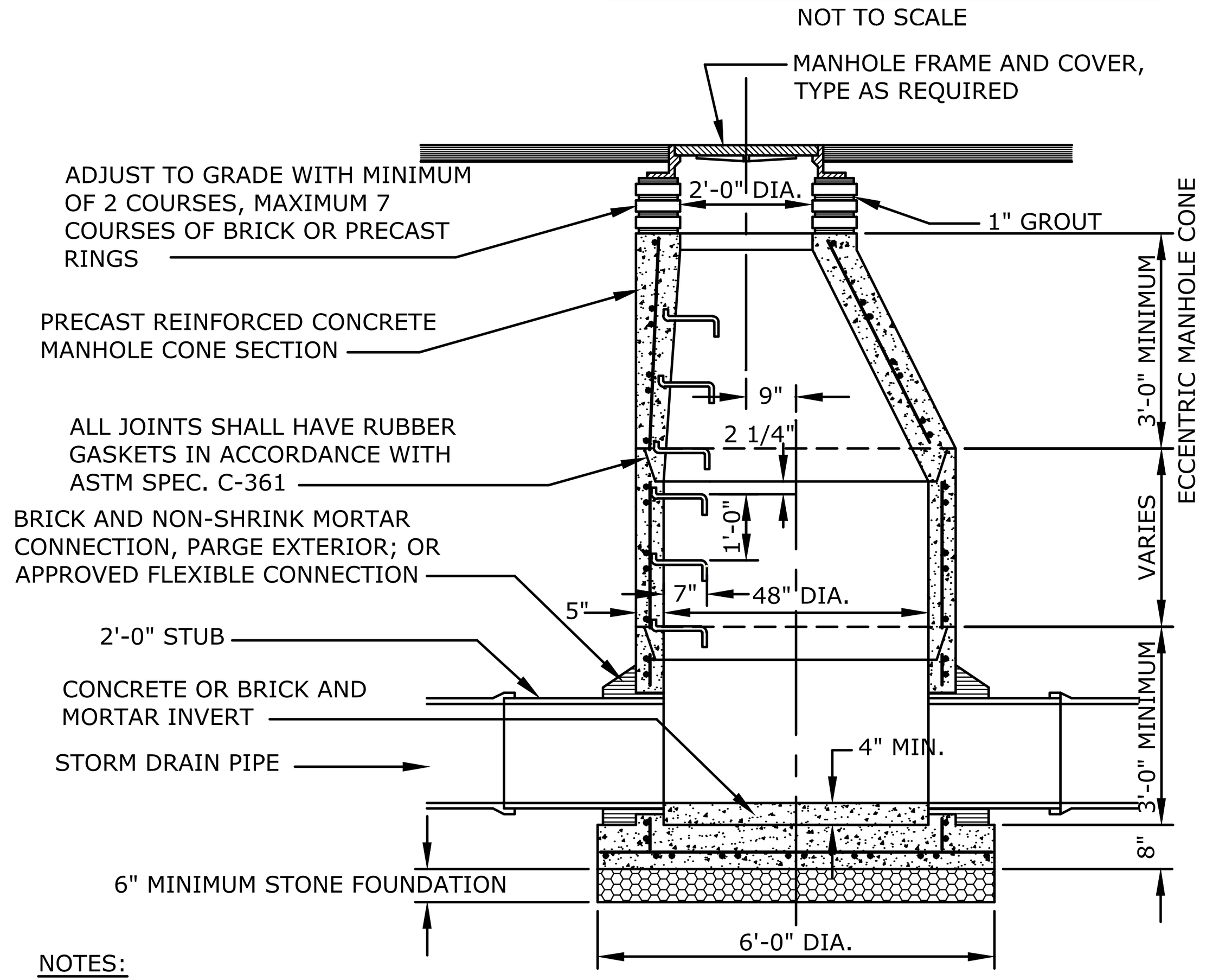
A-Grate Dimension	B-Grate Thickness	E-Flange Dimension	F-Curbside Height	G-Roadside Height	Curb Box Length	Curb Box Width	Grate Type	Sq Ft Open	Weir Perimeter Lineal Feet
17-3/4 x 35-1/4	2	31 x 43	4	6	36-3/4	5-3/4	R	2.0	5.8

All dimensions are listed in inches unless otherwise noted.

NEENAH FOUNDRY R-3067 COMBINATION INLET FRAME, GRATE, CURB BOX (OR EQUAL)



AREA DRAIN (OR EQUAL)

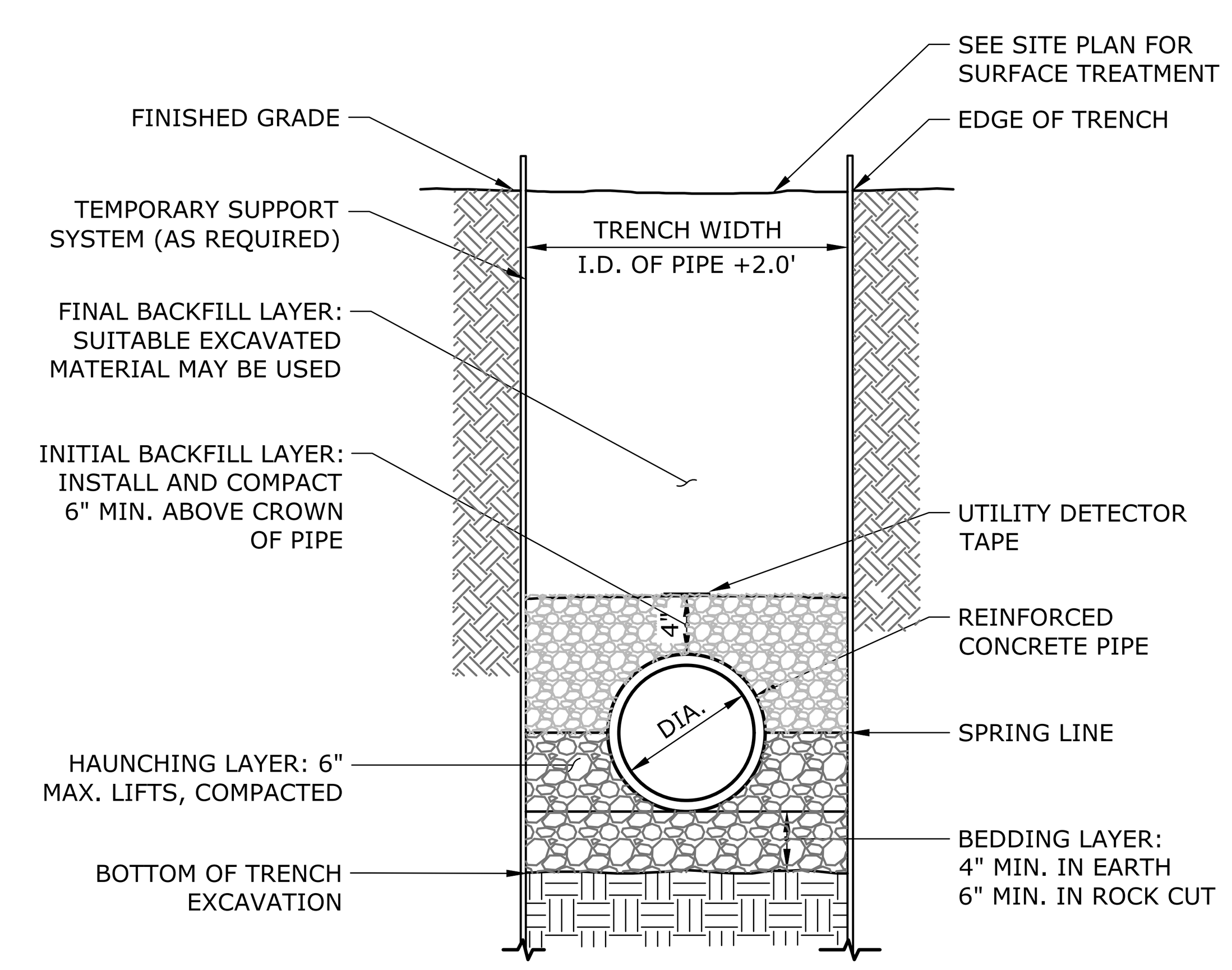


NOTES:

1. DIMENSIONS SHOWN FOR A 4' DIAMETER PRECAST STORM MANHOLE. DIMENSIONS WILL VARY FOR LARGER DIAMETER MANHOLES.
2. 5' AND 6' DIAMETER PRECAST MANHOLES ARE REQUIRED WHERE INDICATED ON THE PLANS OR AS IDENTIFIED BY THE MANUFACTURER.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR REVIEW.

PRECAST STORM DRAINAGE MANHOLE

NOT TO SCALE

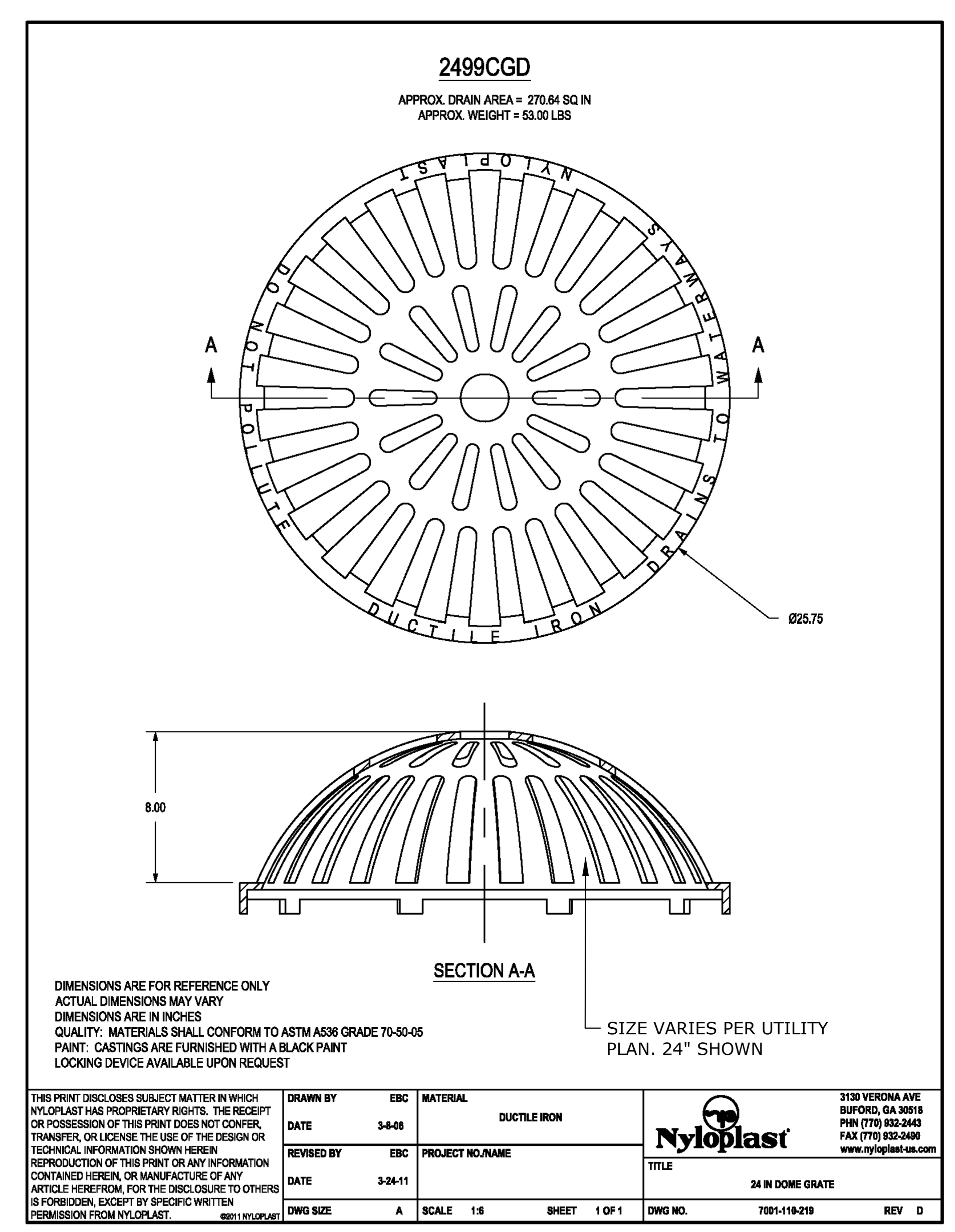


NOTES:

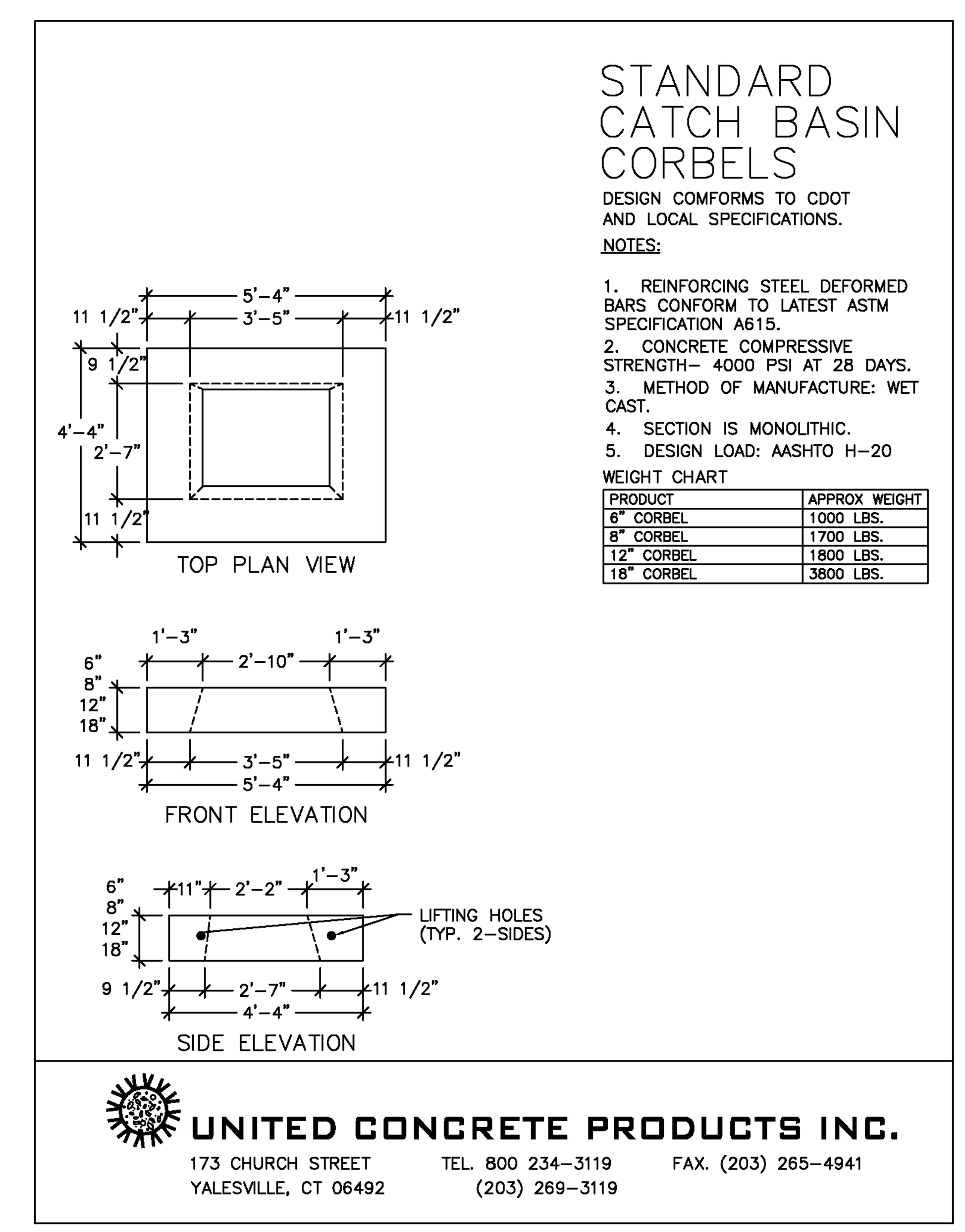
1. BACKFILL MATERIAL USED IN BEDDING, HAUNCHING, AND INITIAL BACKFILL LAYERS SHALL BE 3/4" CRUSHED STONE.
2. PAYMENT LIMIT FOR ROCK IN TRENCH TO BE PIPE DIAMETER + 3.0'

STORM DRAINAGE TRENCH

NOT TO SCALE



DOME GRATE (OR EQUAL)



(OR EQUAL)

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203.271.1773
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DESCRIPTION	DATE	BY

SITE DETAILS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

DESIGNED	DRAWN	CHECKED
VEH	VEH	DLO

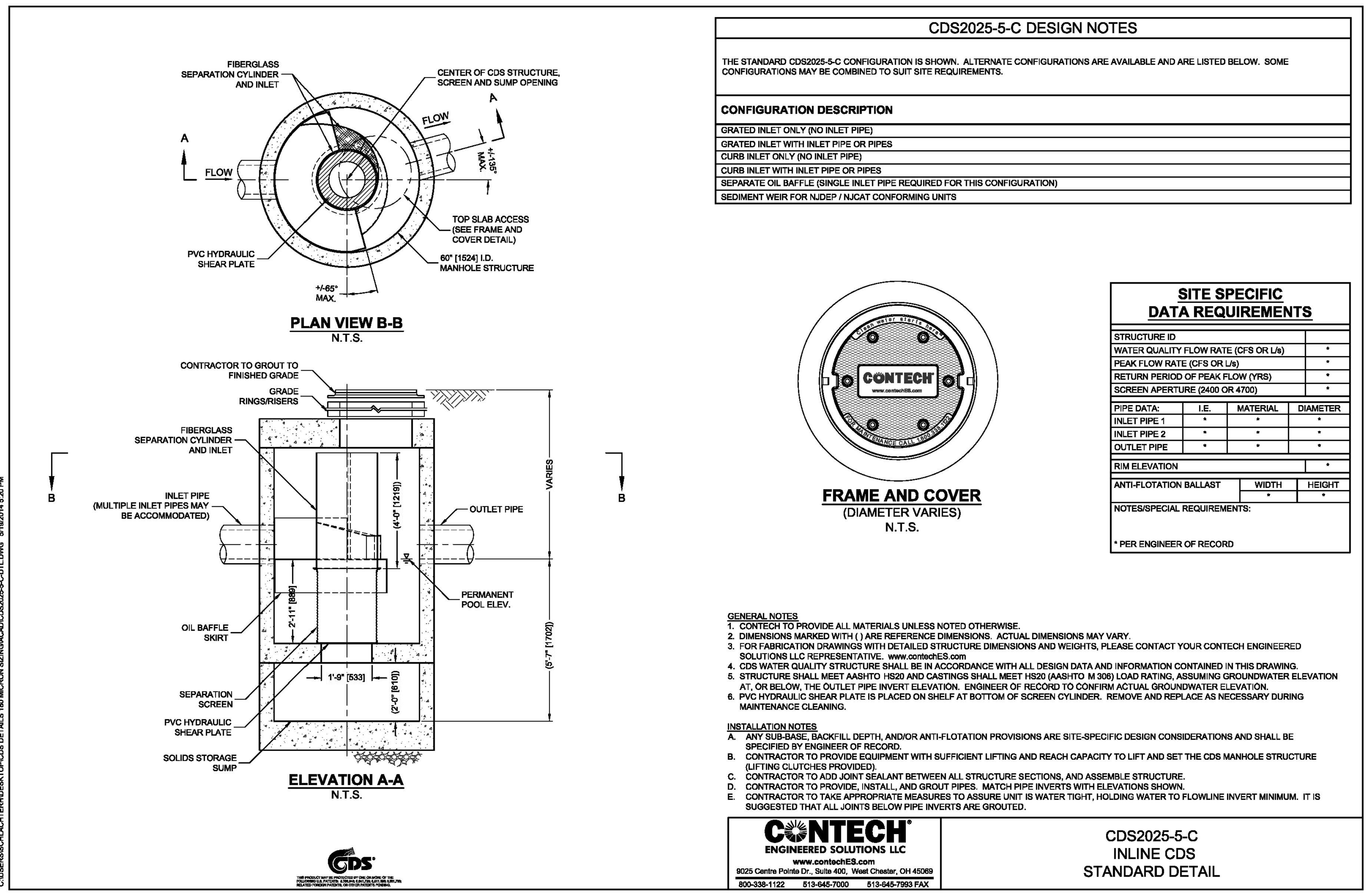
SCALE: AS NOTED

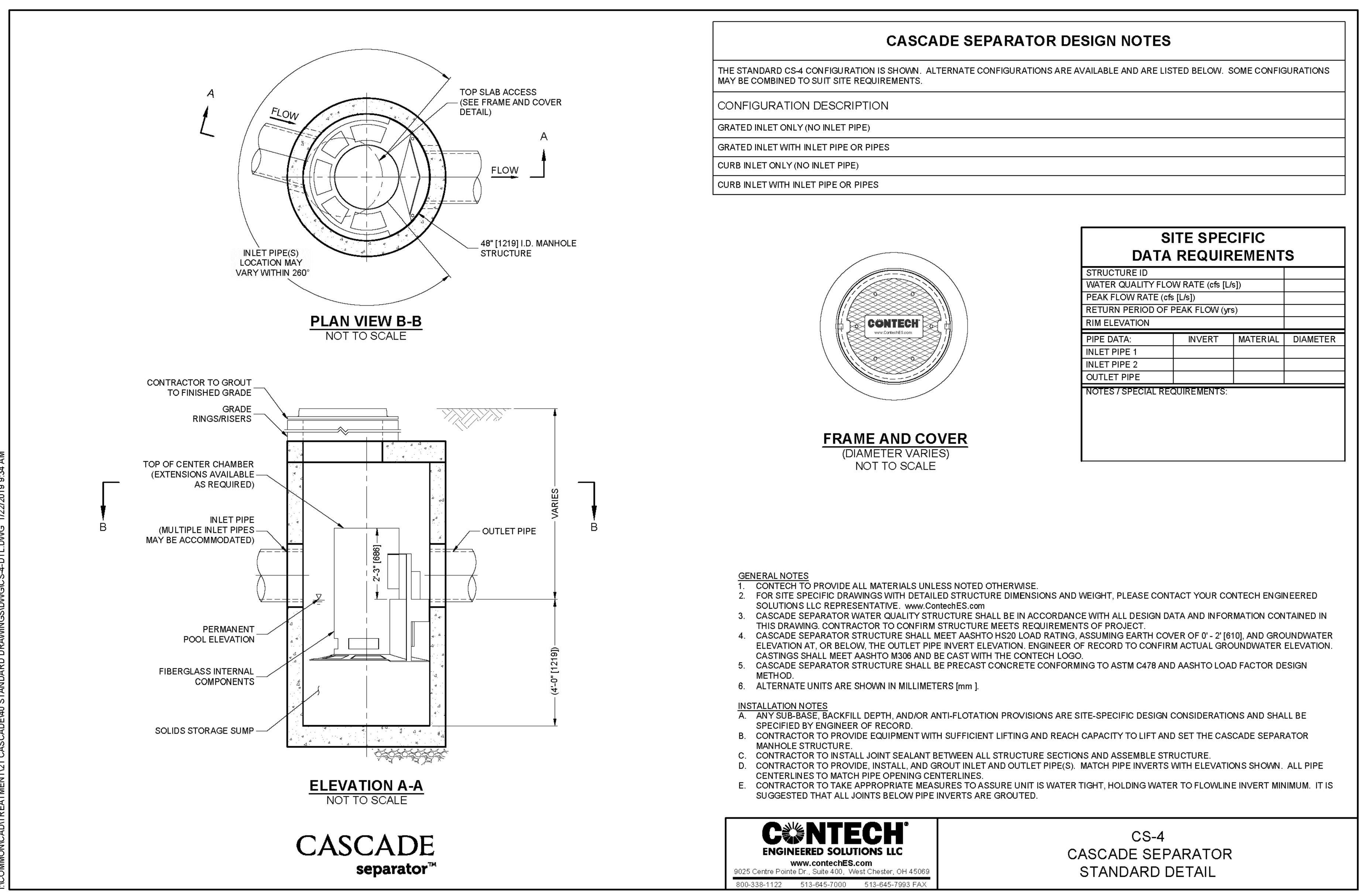
DATE: MAY 17, 2021

PROJECT NO.: 15070.00006

SHEET NO.: 11 OF 14

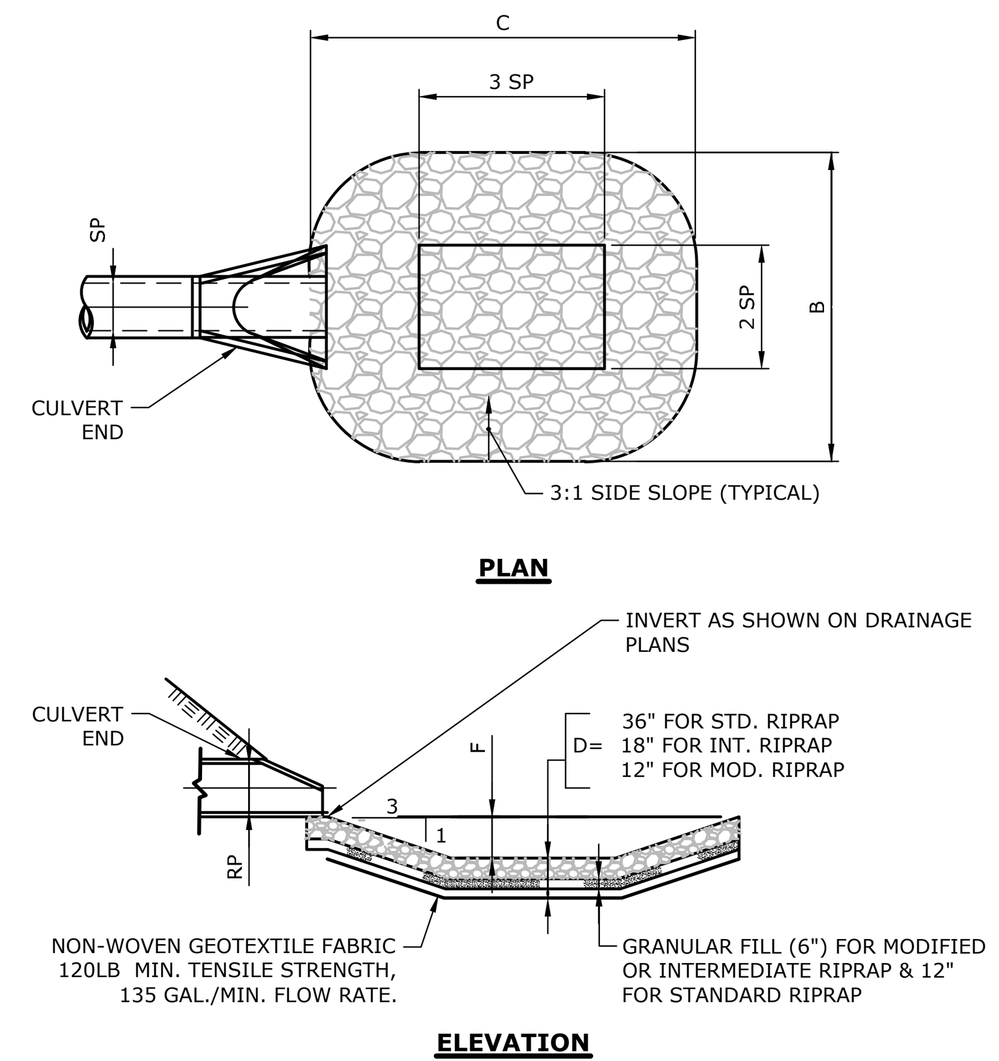
SHEET NAME: SD-2





HYDRODYNAMIC SEPARATORS

NOT TO SCALE

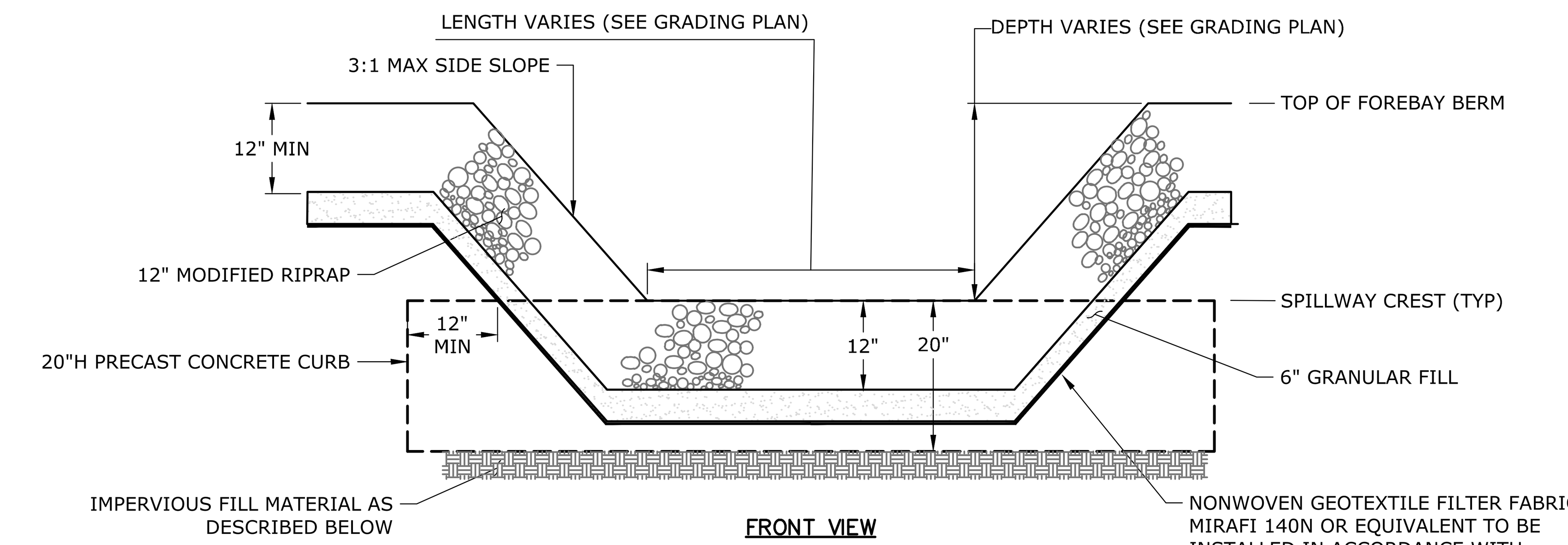


OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	C (FT)	B (FT)	F (FT)	D (IN)
FES 1	MODIFIED TYPE 1	2.0	2.0	12.0	10.0	1.0	12.0
FES 10	MODIFIED TYPE 1	1.25	1.25	7.5	6.25	0.625	12.0
FES 15	MODIFIED TYPE 1	2.5	2.5	15.0	12.5	1.25	12.0
FES 26	MODIFIED TYPE 1	1.25	1.25	7.5	6.25	0.625	12.0
FES 31	MODIFIED TYPE 1	1.25	1.25	7.5	6.25	0.625	12.0

RIPRAP PREFORMED SCOUR HOLE TABLE

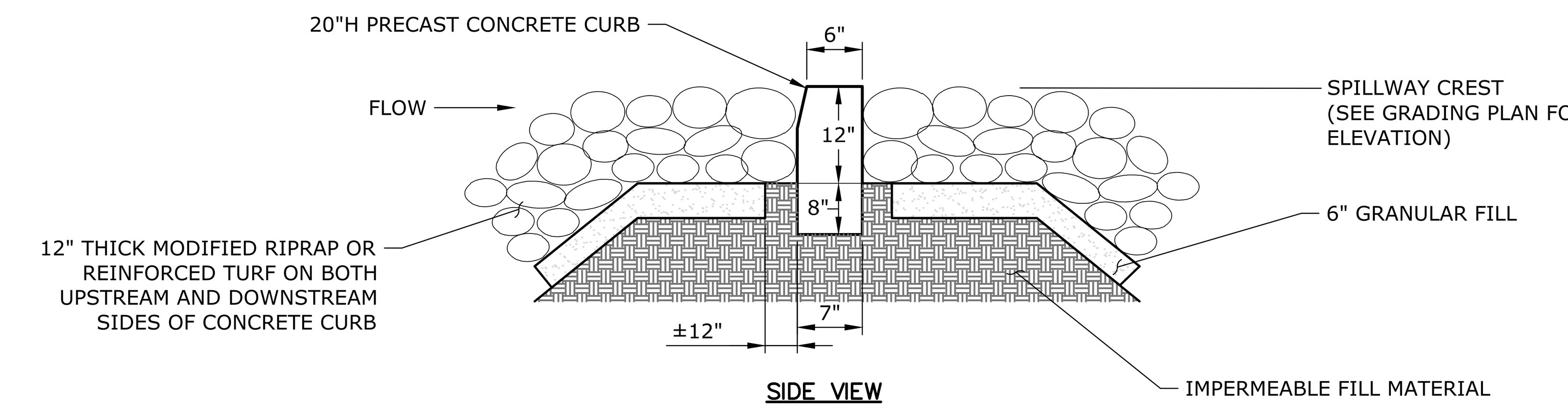
RIPRAP PREFORMED SCOUR HOLE

NOT TO SCALE



IMPERVIOUS FILL MATERIALS SHALL BE A GLACIAL TILL, AND TO BE PROVIDED FROM AN OFFSITE SOURCE IN THE QUANTITIES REQUIRED FOR COMPLETION. FILL TO BE APPROVED BY THE ENGINEER. GLACIAL TILL SHALL CONSIST OF HARD AND DURABLE PARTICLES OR FRAGMENTS AND SHALL BE FREE FROM ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIALS. GLACIAL TILL SHALL GENERALLY CONFORM TO THE FOLLOWING GRADATION LIMITS:

US STANDARD SIEVE SIZE	PERCENTAGE PASSING BY WEIGHT
3 INCH	100
NO. 4	60-95
NO. 10	50-95
NO. 40	30-75
NO. 100	20-65
200	10-40

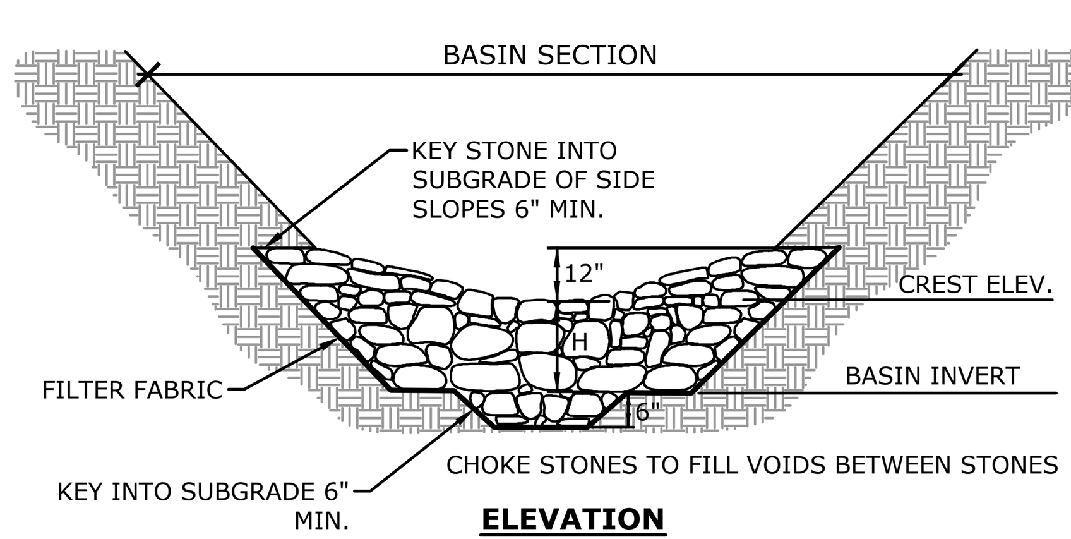


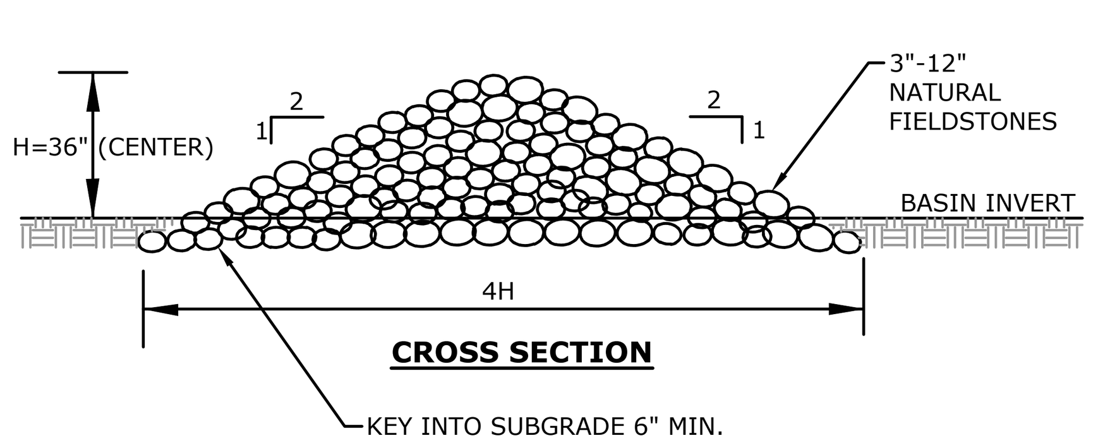
NOTE:

1. FOR USE AT WATER QUALITY BASIN 5 ONLY. 1/4 MILE TRAIL TO ACT AS OVERFLOW SPILLWAY AT WATER QUALITY BASINS 1 AND 2

RIPRAP OVERFLOW SPILLWAY

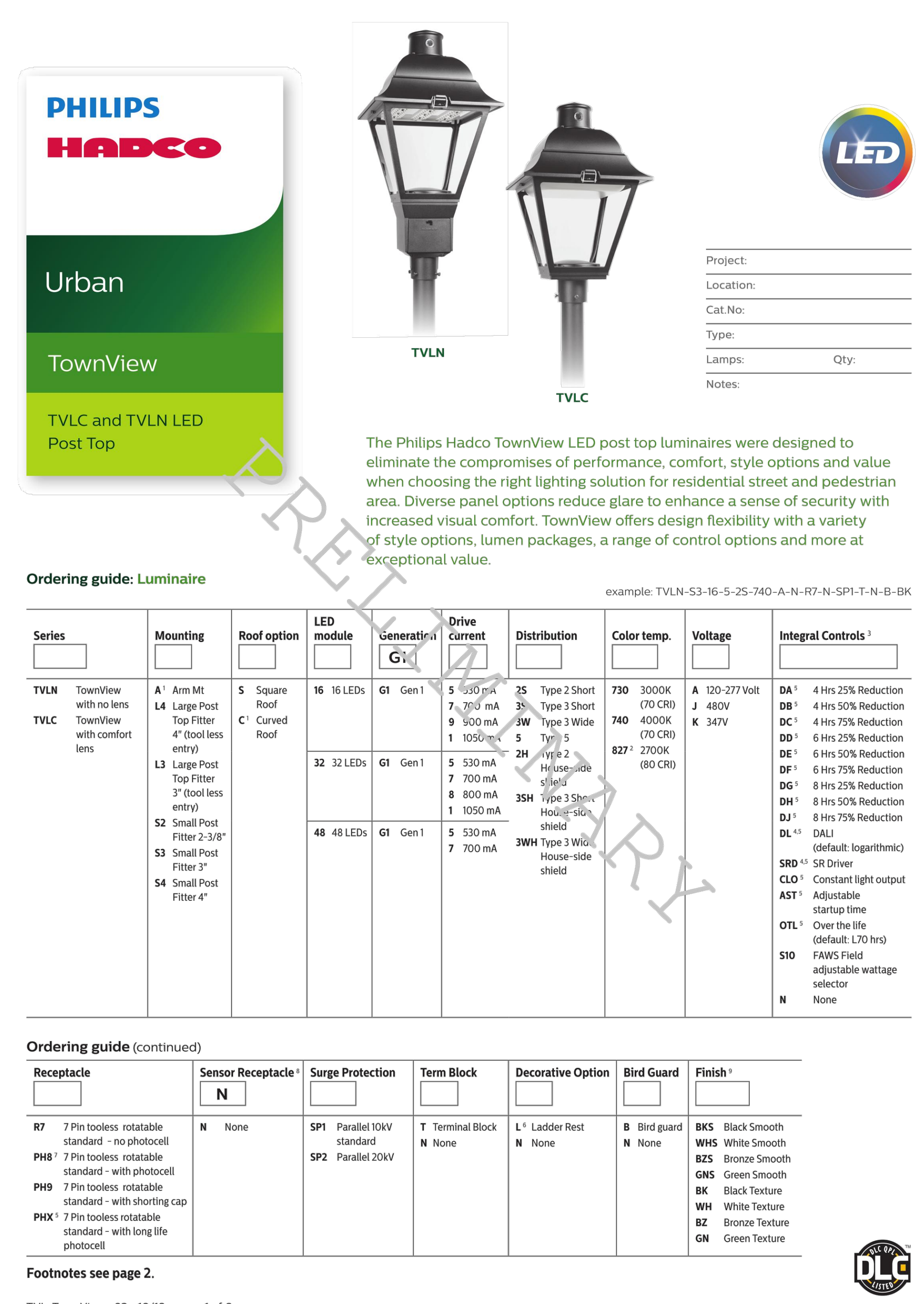
NOT TO SCALE

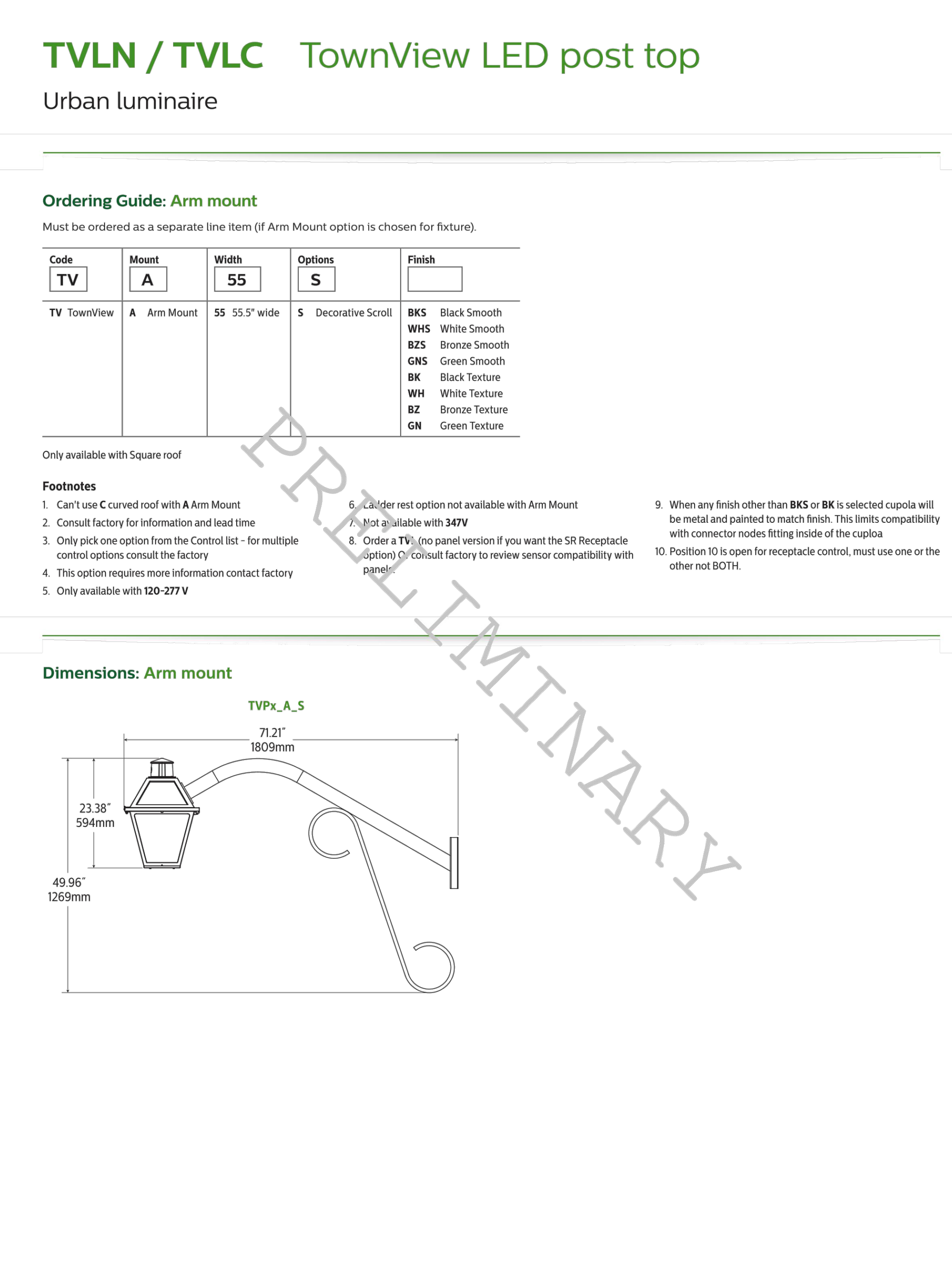


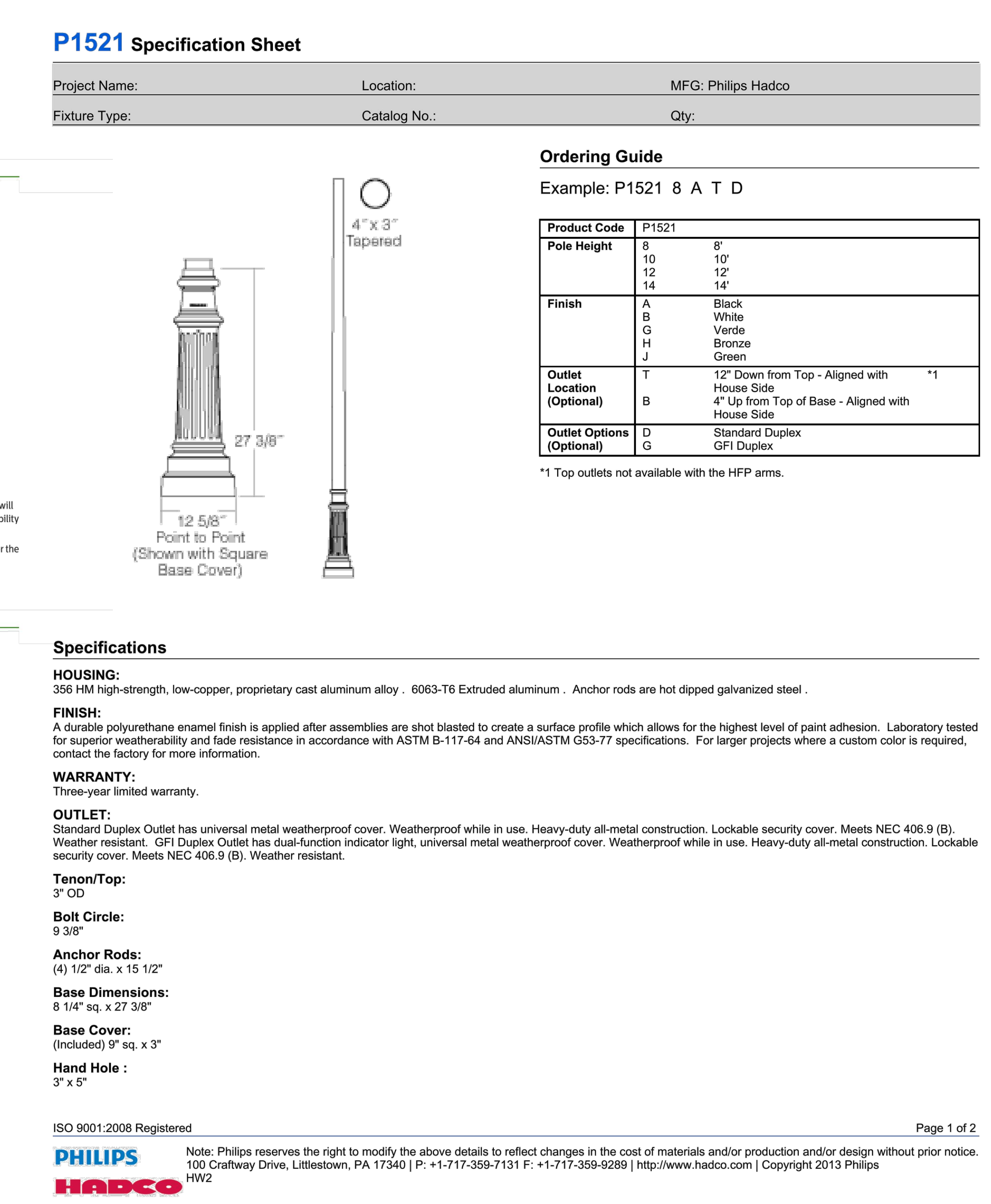


RIPRAP FILTER BERM

NOT TO SCALE







LIGHTING FIXTURE AND POLE DETAILS

NOT TO SCALE

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DESCRIPTION	DATE	BY

SITE DETAILS

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LOT 7 - STONE BRIDGE CROSSING

I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

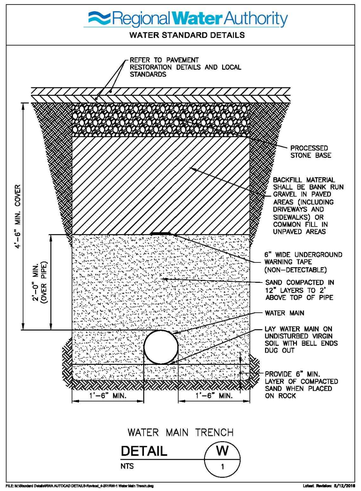
SCALE: AS NOTED

DATE: MAY 17, 2021

PROJECT NO.: 15070.00006

SHEET NO.: 12 OF 14

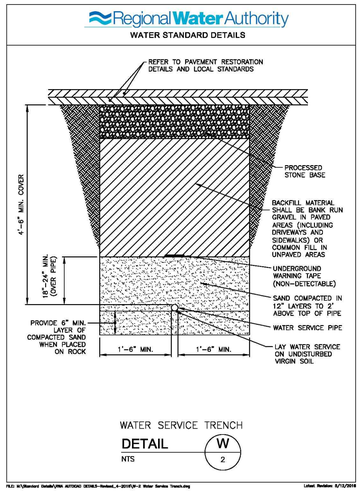
SHEET NAME: SD-3



WATER MAIN TRENCH

DETAIL W 1

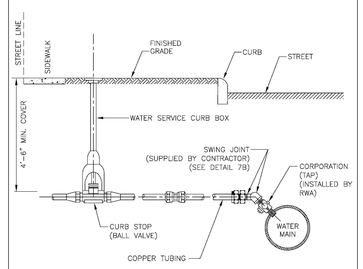
NTS



WATER SERVICE TRENCH

DETAIL W 2

NTS



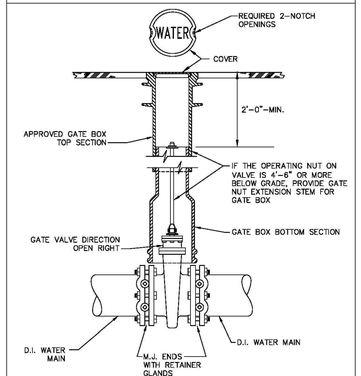
NOTE:

1. IF THE WATER SERVICE PIPE IS IRON OR BRASS ON THE PRIVATE PROPERTY SIDE, PROVIDE SHORT LENGTH OF COPPER PIPE AND PACK JOINT ADAPTER COUPLING OR EQUIVALENT.

SERVICE TAP OFF HORIZONTAL CENTER LINE

DETAIL W 7

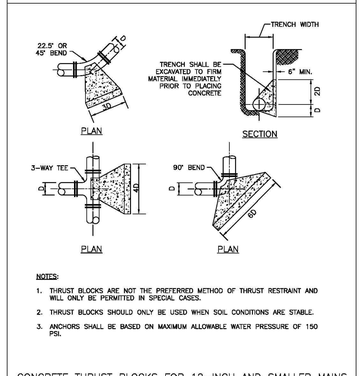
NTS



STANDARD GATE VALVE 12-INCH AND SMALLER

DETAIL W 10

NTS



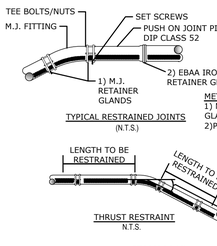
NOTES:

1. THRUST BLOCKS ARE NOT THE PREFERRED METHOD OF THRUST RESTRAINT AND WILL ONLY BE PERMITTED IN SPECIAL CASES.
2. THRUST BLOCKS SHOULD ONLY BE USED WHEN SOIL CONDITIONS ARE STABLE.
3. ANCHORS SHALL BE BASED ON MAXIMUM ALLOWABLE WATER PRESSURE OF 150 PSI.

CONCRETE THRUST BLOCKS FOR 12-INCH AND SMALLER MAINS

DETAIL W 23

NTS

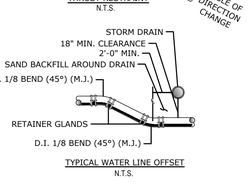


TYPICAL RESTRAINED JOINTS

(N.T.S.)

METHODS:
1) MECHANICAL JOINT RETAINER GLANDS
2)PUSH-ON JOINT RETAINER GLANDS

NOTE:
LENGTH OF PIPE TO BE RESTRAINED ON EACH SIDE OF FITTING



THRUST RESTRAINT

N.T.S.

TYPICAL WATER LINE OFFSET

N.T.S.

*ALWAYS INSTALL RESTRAINED JOINTS ON BOTH SIDES OF FITTINGS AND VALVES, EVEN WHEN THRUST BLOCKS ARE ALSO SHOWN ON PLANS.

MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF BEND (FEET)

D.I. PIPE (in.)	HORIZONTAL BENDS				VERTICAL BENDS	
	90°	45°	22.5°	11.25°	45°	22.5°
6"	11	5	3	2	11	6
8"	15	6	3	2	14	7
12"	21	9	5	2	20	10

MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF VALVE OR FROM CAP AND PLUG (FEET)

D.I. PIPE (in.)	VALVE, CAP OR PLUG
6"	26
8"	34
12"	48

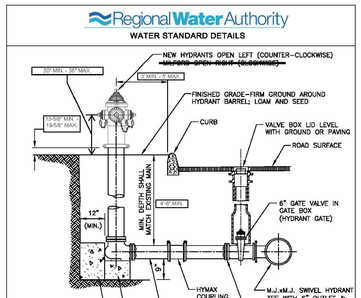
MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF TEE ALONG MAIN RUN IS 1 FEET AND THE MINIMUM LENGTH TO BE RESTRAINED ALONG THE TEE BRANCH IS AS FOLLOWS (FEET):

TEE	BRANCH LENGTH
6"X6"X6"	21
8"x8"x6"	19
8"x8"x8"	29
12"x12"x6"	15
12"x12"x8"	26
12"x12"x12"	43

*RESTRAINT LENGTHS SHOWN IN THIS TABLE BASED ON DI PIPE, TRENCH TYPE 5, 150 PSI TEST PRESSURE, 4.5 FEET OF COVER, GW SOIL TYPE, AND SAFETY FACTOR OF 2

DUCTILE IRON PIPE RESTRAINT LENGTH TABLE

NOT TO SCALE



NOTES:

1. INSTALL NON-DETECTABLE UTILITY IDENTIFICATION TAPE 2'-0" OVER LENGTH OF HYDRANT BRANCH.
2. EXTENSIONS SHALL BE FURNISHED AND INSTALLED WHEN REQUIRED FOR GREATER DEPTHS.
3. HYDRANT SHALL BE U.S. PIPE AND FOUNDRY CO., METROPOLITAN 250, MODEL 94.

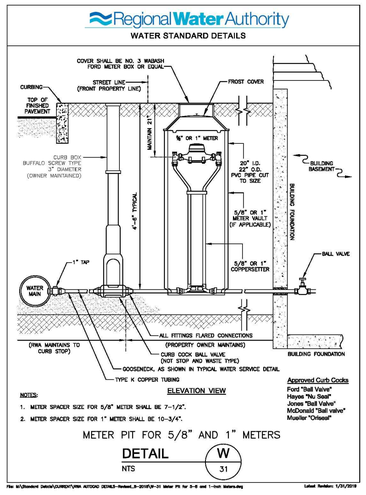
5-SHORTER NOZZLES (4-1/2" W/ SCORING THREAD, 2-HOSE NOZZLES (2-1/2" NST) OPEN LEFT (COUNTER-CLOCKWISE) MAIN VALVE OPENING NO LESS THAN 5-1/4". PAINTED COMPLETELY WITH RUST-RESISTANT CHROME YELLOW, EXTERIOR GRADE, TOP QUALITY PAINT CAPS ARE TO BE PROVIDED FOR THE CONNECTIONS SHOWN TO THE LEFT.

TESTING & DISINFECTION OF PROPOSED FIRE SERVICE TO BE PERFORMED IN ACCORDANCE WITH SCORWA REQUIREMENTS

STANDARD FIRE HYDRANT ASSEMBLY

DETAIL W 18

NTS



NOTES:

1. METER SPACER SIZE FOR 5/8" METER SHALL BE 7-1/2".
2. METER SPACER SIZE FOR 1" METER SHALL BE 10-3/4".

Approved Curb Cocks
Ford "Ball Valve"
Hayes "Nu Seal"
Jones "Ball Valve"
McDonald "Ball valve"
Mueller "Orbseal"

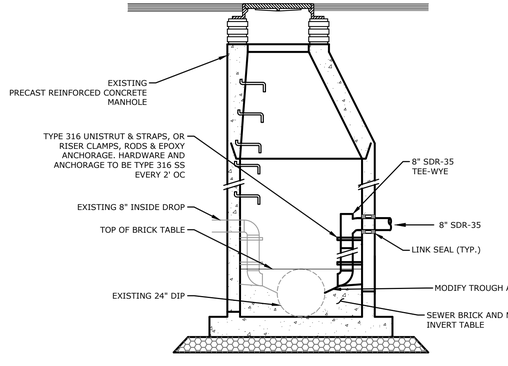
METER PIT FOR 5/8" AND 1" METERS

DETAIL W 31

NTS

WATER NOTES:

1. MORE RESTRICTIVE REQUIRMENTS BETWEEN SOUTHINGTON WATER DEPARTMENT AND RWA SHALL BE USED.
2. COVER SHALL BE 5' MINIMUM
3. WATER METERS SHALL BE LOCATED IN A BASEMENT IF THE METER IS INSTALLED WITH A METER YOKE AND VALVES ON BOTH SIDES AS SHOWN IN RWA STANDARD WATER DETAIL W-3. IF A BUILDING HAS NO BASEMENT, THEN THE METER WILL BE INSTALLED OUTSIDE IN A BURIED METER PIT. WATER SERVICE LATERALS INSTALLED UNDER A BUILDING SLAB TO BE SLEEVED.

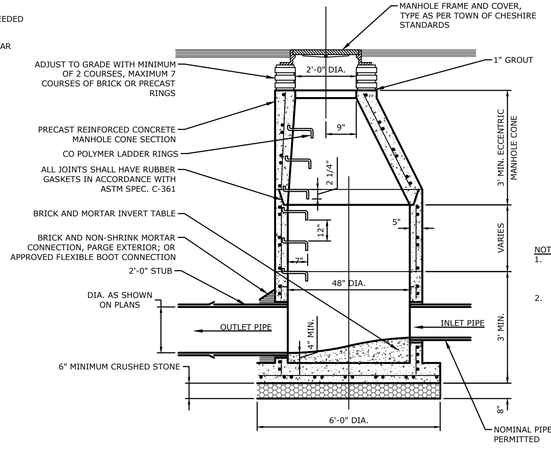


NOTE:

1. INVERT TO BE REBUILT UNDER SUPERVISION OF ENGINEER. A 24 HOUR ADVANCED NOTIFICATION IS REQUIRED FOR ALL INSPECTIONS.
2. NO OUTSIDE PIPE DROPS WILL BE ALLOWED.
3. EXISTING MANHOLE STRUCTURE +20 FEET IN DEPTH
4. CUT OFF EXISTING MANHOLE RUNGS, INSTALL NEW RUNGS OFFSET COUNTERCLOCKWISE FROM NEW PIPE DROP. ROTATE CONE SECTION TO MATCH.

CONNECTION TO EXISTING SEWER MANHOLE

N.T.S.

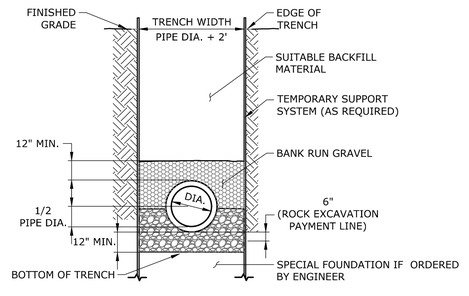


NOTES:

1. CONSTRUCT SEWER BRICK TABLE TO CROWN OF HIGHEST CONNECTING PIPE AND SLOPE UP TO SIDES @ X'/FT.
2. FLOW LINES TO TRANSITION BETWEEN INVERTS OF CONNECTING PIPE IN A SMOOTH LINE OF CONSTANT SLOPE.

PRECAST CONCRETE SANITARY MANHOLE

N.T.S.



SANITARY SEWER TRENCH

NOT TO SCALE

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SITE DETAILS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

AS NOTED
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

13 OF 14
SHEET NO.

SD-4
SHEET NAME

SEDIMENT & EROSION CONTROL SPECIFICATIONS

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 CONSTRUCTION .

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY, 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 WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

LAND GRADING

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 PERMANENT CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

   b. THE PERMANENT EXPOSED FACES OF EARTHEN 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 WATER BODIES BODIES.

   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 UPGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION
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.
2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES (OVER 1" IN DIAMETER), LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, KNOTGRASS, AND QUAKERS.
4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
5. SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PM) IS LESS SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT AND SULFUR ACIDITY.
6. THE pH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

APPLICATION:

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.

TEMPORARY VEGETATIVE COVER

GENERAL:

1. 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 MORE THAN 30 DAYS. AREAS TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE SEEDED WITHIN 7 DAYS OF SUSPENSION OF CONSTRUCTION ACTIVITIES. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEEDED BY SEPTEMBER 1.

SITE PREPARATION:

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 ONE (1) 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 HYDROSEEDED, 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.

ESTABLISHMENT:

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

PERMANENT VEGETATIVE COVER

GENERAL:

1. 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 SHALL BE SEEDED WITHIN 7 DAYS OF ESTABLISHMENT OF FINAL GRADES.

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:
   - SPREAD SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS. OF 10-10-10 FERTILIZER PER ACRE (7 LBS. PER 1,000 SQ. FT.); THEN SIX (6) TO EIGHT (8) WEEKS LATER, APPLY ON THE SURFACE AN ADDITIONAL 300 LBS. OF 10-10-10 FERTILIZER PER ACRE. AFTER SEPTEMBER 1, TEMPORARY VEGETATIVE COVER SHALL BE APPLIED.
   - FALL SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS. OF 10-10-10 FERTILIZER PER ACRE (14 LBS. PER 1,000 SQ. FT.).

VEGETATIVE COVER SELECTION & MULCHING

TEMPORARY VEGETATIVE COVER:

PERENNIAL RYEGRASS 3 LBS./1,000 SQ.FT.
(LOLIUM PERENNE)

* PERMANENT VEGETATIVE COVER:

BARON KENTUCKY BLUEGRASS	60%
JAMESTOWN II CHEWINGS FESCUE	20%
PALMER PERENNIAL RYEGRASS	20%

* LOFTS - "TRIPLEX GENERAL" MIX OR APPROVED EQUAL.
RECOMMENDED TIME SEEDING. 5 LB./1000 S.F. SEEDING RATE.

SPRING SEEDING: 4/1 to 5/31

FALL SEEDING: 8/16 to 10/15

TEMPORARY MULCHING:

STRAY OR HAY 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. BELOW).
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 BELOW).
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 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 AS INDICATED BY SOIL TEST 300 POUNDS OF 0-20-20 OR EQUIVALENT PER ACRE (8 LBS PER 1,000 SQ. FT.).

EROSION CHECKS

GENERAL:

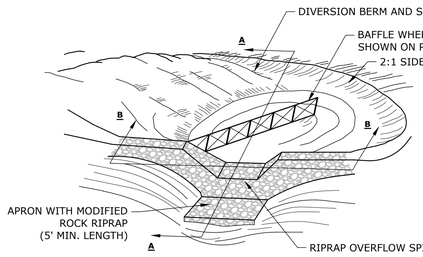
1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

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 (4") 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 FORCE BALES TOGETHER.
4. 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').

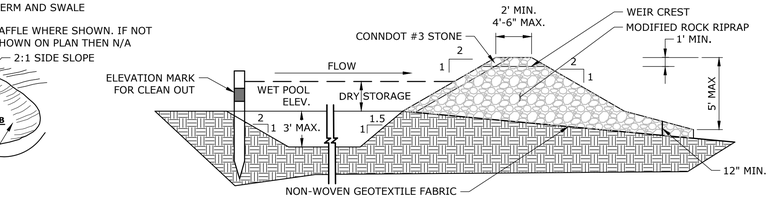
INSTALLATION AND MAINTENANCE:

1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED 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 (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.

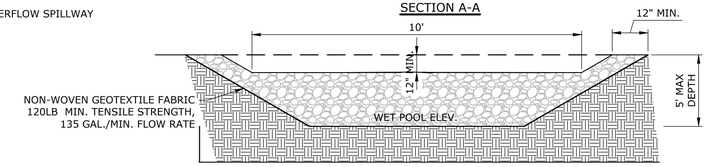


NOTES:

1. REFER TO E&S PLANS FOR APPROXIMATE SIZE AND SHAPE.
2. PROVIDE RIPRAP OVERFLOW SPILLWAY OR TEMPORARY OUTLET STRUCTURE, AS IDENTIFIED ON PLANS.



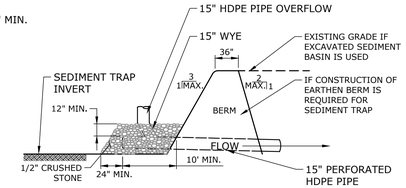
SECTION A-A



RIPRAP OVERFLOW SPILLWAY
SECTION B-B

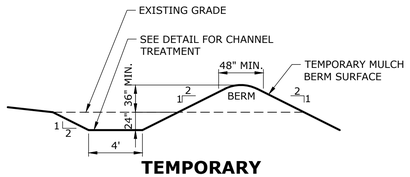
TEMPORARY SEDIMENT TRAP

NOT TO SCALE



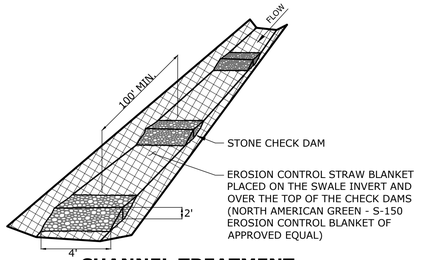
TEMPORARY SEDIMENT TRAP OUTLET

NOT TO SCALE



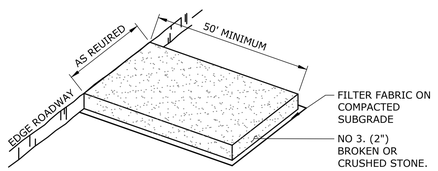
TEMPORARY DIVERSION BERM AND SWALE

NOT TO SCALE



CHANNEL TREATMENT

NOT TO SCALE

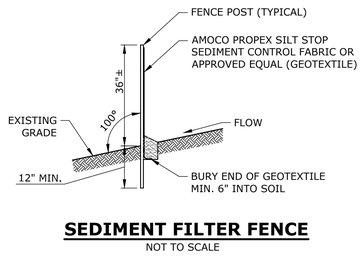


NOTES:

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

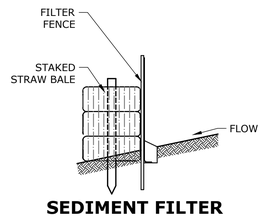
CONSTRUCTION ENTRANCE PAD

NOT TO SCALE



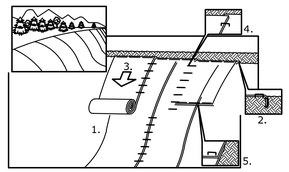
SEDIMENT FILTER FENCE

NOT TO SCALE



SEDIMENT FILTER FENCE AND HAY BALE

NOT TO SCALE



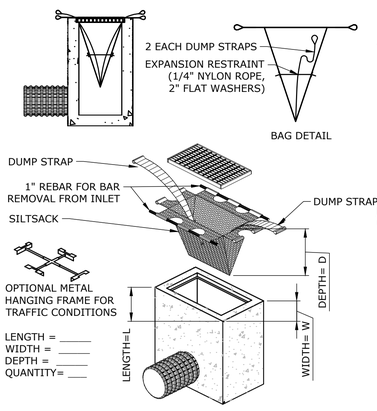
NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" APART.

REFER TO GENERAL STAPLE PATTERN GUIDE IN NORTH AMERICAN GREEN CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

APPLICATION OF EROSION CONTROL BLANKET ON SLOPES

NOT TO SCALE



INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE

SILTSACK
SPECIFICATIONS

NOTES:

1. THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC-1

HI-FLOW SILTSACK
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

OIL- ABSORBANT SILTSACK
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AND OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK, WITH A WOVEN PILLOW INSERT.

EROSION CONTROL MAINTENANCE INTERVALS

EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
TEMPORARY SEDIMENT TRAP (TST)	- 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 1 FOOT BELOW CREST OF EMBANKMENT. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACHES ½ OF THE REQUIRED WET STORAGE.	- TURBID WATER - EXCESSIVE SEDIMENT ACCUMULATION - OVERTOPPING EVIDENCE	TST MAY BE REMOVED ONCE THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
SILT FENCE (SF) (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 ½ 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.
HAY BALES (HB)	- 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 EQUAL TO ½ THE HEIGHT 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.
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.
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 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.

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

DESCRIPTION	DATE	BY

SITE DETAILS

MULTIFAMILY RESIDENTIAL DEVELOPMENT
LOT 7 - STONE BRIDGE CROSSING
I-691 AND DICKERMAN ROAD
CHESHIRE, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

AS NOTED
SCALE

MAY 17, 2021
DATE

15070.00006
PROJECT NO.

14 OF 14
SHEET NO.

SD-5
SHEET NAME