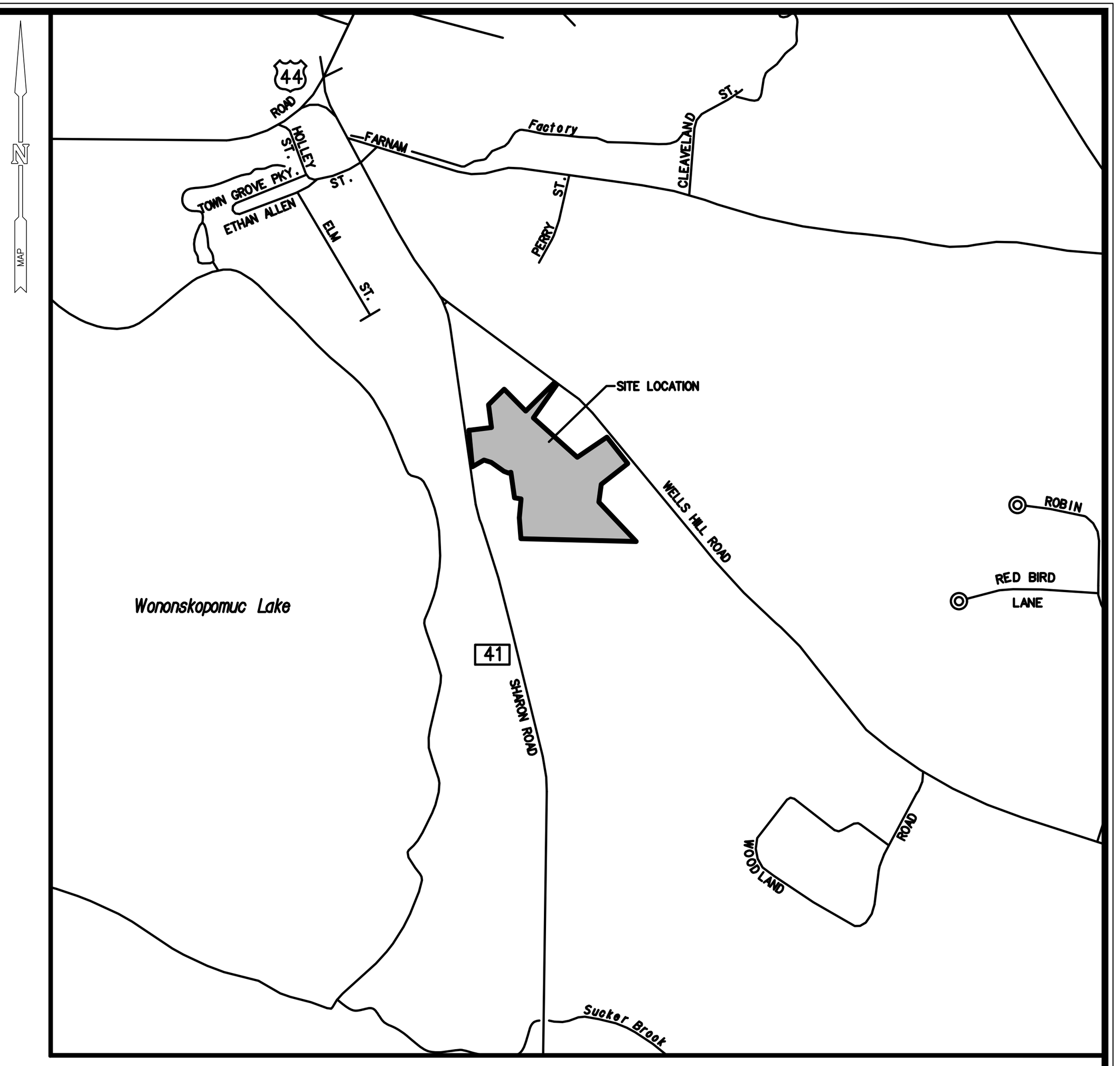
WAKE ROBIN INN REDEVELOPMENT

104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SLR# 22100.00001
JULY 18, 2024

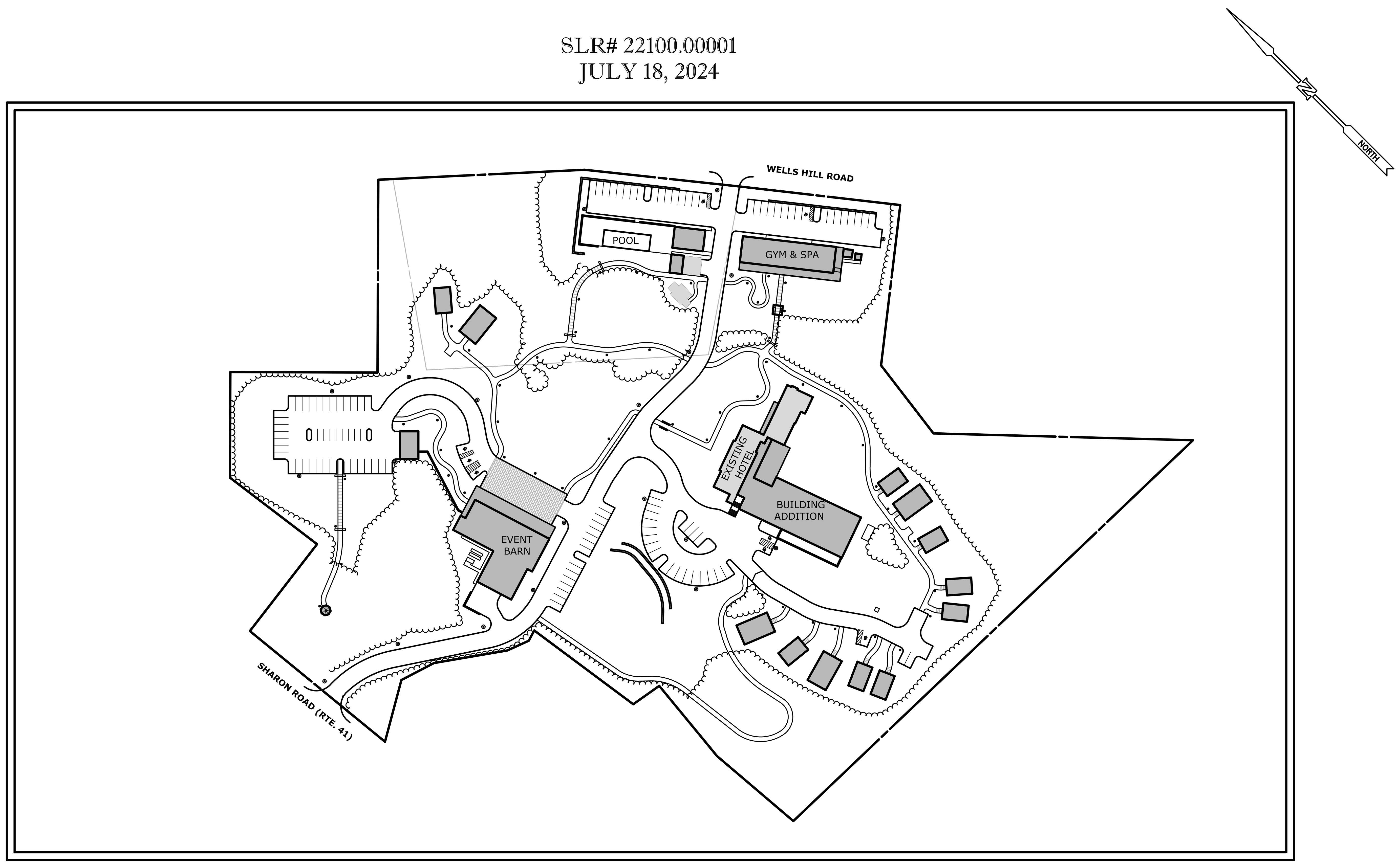


LOCATION MAP:

SCALE 1" = 1000'

GENERAL NOTES

1. BOUNDARY AND TOPOGRAPHIC INFORMATION HAVE BEEN TAKEN FROM SURVEY ENTITLED "EXISTING CONDITIONS MAP", PREPARED BY ARTHUR H. HOWLAND & ASSOCIATES, P.C., PREPARED FOR ARADEV LLC, DATED JULY 16, 2024, SCALED 1"=50'.
2. NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT GRID SYSTEM (CTGS).
3. ELEVATIONS, CONTOUR AND BENCHMARKS ARE BASED UPON NAVD 1988.
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. SLR INTERNATIONAL CORPORATION ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
6. INLAND WETLANDS AND WATERCOURSES ON SITE WERE DELINEATED IN THE FIELD ON APRIL 25 AND MAY 21, 2024 BY MATTHEW J. SANFORD, REGISTERED SOIL SCIENTIST FROM SLR CONSULTING.
7. A DEEP STORMWATER GENERAL PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION.
8. ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE, CABLE TELEVISION, SANITARY SEWER AND PUBLIC WATER ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
9. ALL STORM PIPING SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) UNLESS OTHERWISE NOTED.
10. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
11. ALL GRAVITY SANITARY SEWER PIPE SHALL BE SDR35 UNLESS OTHERWISE NOTED.
12. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS USED ON SITE SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA DURING NON-WORK HOURS.
13. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY UTILITIES INCLUDING IRRIGATION PIPES PRIOR TO THE START OF CONSTRUCTION.
14. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
15. 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 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - 2023, AS AMENDED, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
16. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL AND BE SEEDED WITH SPECIFIED SEED MIX, AS SHOWN ON THE PLANS.
17. 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.
18. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF SALISBURY 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.
19. 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.
20. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND PERMITEE.
21. THESE PLANS HAVE BEEN PREPARED FOR REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR USE DURING CONSTRUCTION.
22. THE PROPERTY OWNER MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE EROSION CONTROLS UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.



PROJECT SITE VICINITY MAP:

SCALE 1" = 100'

LEGEND

EXISTING		PROPOSED
	STREET LINE	
	PROPERTY LINE	
	EASEMENT	
	SETBACK LINE	
NDDB	NDDB BOUNDARY	
70	MAJOR CONTOUR	70
68	MINOR CONTOUR	68
× 70.5	SPOT GRADE	+70.5
	WETLANDS	
	75' WETLANDS SETBACK	
	50' WETLANDS SETBACK	
	TREE LINE	
	TREE/SHRUB	
	STONEWALL	
	SITE LIGHT	
	HYDRANT	
	WATER METER	
WV	WATER VALVE	WV
GV	GAS VALVE	
	CATCH BASIN	
	MANHOLE/YARD DRAIN	
S	SANITARY SEWER SERVICE/MAIN	SAN
	STORM DRAIN W/CATCH BASIN	
W	WATER MAIN	W
	ELECTRICAL CONDUIT	E
U	OVERHEAD WIRE	
	UTILITY POLE	
	TRAFFIC SIGN	
	MONUMENT	
	EDGE OF PAVEMENT W/CURB	

PREPARED FOR:

ARADEV LLC
352 ATLANTIC AVENUE, UNIT 2
BROOKLYN, NY 11217

PREPARED BY:

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

STATE OF CONNECTICUT
TODD D. RITCHIE
NO. 23730
LICENSED PROFESSIONAL ENGINEER

LIST OF DRAWINGS

NO.	NAME	TITLE
01	--	TITLE SHEET
02	EX	EXISTING CONDITIONS
03	LA	SITE PLAN - LAYOUT
04	LS	SITE PLAN - LANDSCAPING
05	GR	SITE PLAN - GRADING
06	UT	SITE PLAN - UTILITIES
07	SE-1	SEDIMENT & EROSION CONTROL PLAN
08	SE-2	SEDIMENT & EROSION CONTROL NOTES & DETAILS
09-14	SD-1 - SD-6	SITE DETAILS

811
Know what's **below.**
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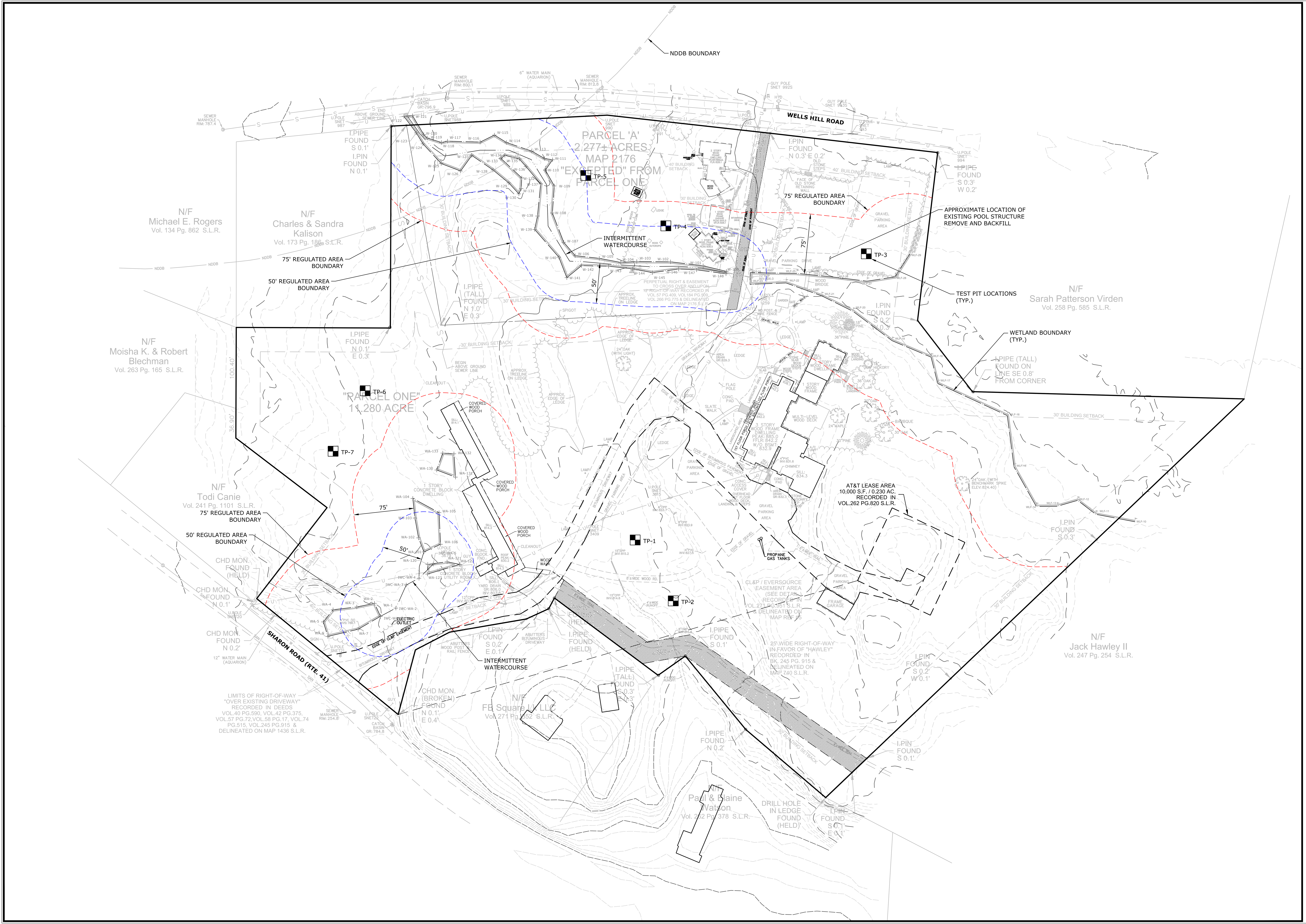
NDDB BOUNDARY
WELLS HILL ROAD
PARCEL 'A'
2.277± ACRES
MAP 2176
"EXCEPTED" FROM
PARCEL ONE
"PARCEL ONE"
11.280 ACRE
N/F
Michael E. Rogers
Vol. 134 Pg. 862 S.L.R.
N/F
Charles & Sandra
Kalison
Vol. 173 Pg. 186 S.L.R.
N/F
Moisha K. & Robert
Blechman
Vol. 263 Pg. 165 S.L.R.
N/F
Todi Canie
Vol. 241 Pg. 1101 S.L.R.
N/F
Sarah Patterson Virden
Vol. 258 Pg. 585 S.L.R.
N/F
Jack Hawley II
Vol. 247 Pg. 254 S.L.R.
N/F
FB Square LLC
Vol. 271 Pg. 352 S.L.R.
N/F
Paul & Elaine
Watson
Vol. 232 Pg. 378 S.L.R.
75' REGULATED AREA
BOUNDARY
50' REGULATED AREA
BOUNDARY
INTERMITTENT
WATERCOURSE
APPROXIMATE LOCATION OF
EXISTING POOL STRUCTURE
REMOVE AND BACKFILL
TEST PIT LOCATIONS
(TYP.)
WETLAND BOUNDARY
(TYP.)
TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
AT&T LEASE AREA
10,000 S.F. / 0.230 AC.
RECORDED IN
VOL.262 PG.820 S.L.R.
PROPANE
GAS TANKS
SHARON ROAD (RTE. 41)
LIMITS OF RIGHT-OF-WAY
"OVER EXISTING DRIVEWAY"
RECORDED IN DEEDS
VOL.40 PG.590, VOL.42 PG.375,
VOL.57 PG.72,VOL.58 PG.17, VOL.74
PG.515, VOL.245 PG.915 &
DELINEATED ON MAP 1436 S.L.R.
25' WIDE RIGHT-OF-WAY
IN FAVOR OF "HAWLEY"
RECORDED IN
BK. 245 PG. 915 &
DELINEATED ON
MAP 740 S.L.R.
CL&P / EVERSOURCE
EASEMENT AREA
(SEE DETAIL)
DRILL HOLE
IN LEDGE
FOUND
(HELD)
1 STORY
CONCRETE BLOCK
DWELLING
COVERED
WOOD
PORCH
3 STORY
WOOD FRAME
DWELLING
ELECTRIC
OUTLET
75'
50'

![SLR logo]

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DESCRIPTION	DATE	BY

EXISTING CONDITIONS

WAKE ROBIN INN REDEVELOPMENT

104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

SCALE: 1"=50'

DATE: JULY 18, 2024

PROJECT NO.: 22100.00001

SHEET NO.: 02 OF 14

SHEET NAME: EX

LAYOUT LEGEND

- DECORATIVE SITE LIGHT (TYP. OF 20) (12' MOUNTING HEIGHT)
- DECORATIVE BOLLARD LIGHT (TYP. OF 51) (2' MOUNTING HEIGHT)

RETAINING WALLS
NDDB BOUNDARY
WELLS HILL ROAD
RETAINING WALL
50' WATERCOURSE SETBACK (TYP.)
75' WATERCOURSE SETBACK (TYP.)
EXISTING GARAGE TO REMAIN
POOL
BAR/PREP
STORAGE
GYM & SPA
COVERED DECK
SAUNA
HOT TUB
ELEVATED TIMBER BOARDWALK
EXISTING HOUSE TO REMAIN
4' GRAVEL WALKING PATH
ELEVATED TIMBER ROOF/BENCHES
ELEVATED TIMBER BOARDWALK
COTTAGES
6' GRAVEL WALKING PATH
9 COMPACT SPACES (8' X 15')
PARKING SPACE COUNT (TYP.)
6' CART PATH
PROPOSED TREELINE (TYP.)
GREAT LAWN
6' GRAVEL WALKING PATH
PERVIOUS PAVERS
EXISTING HOTEL
NEW DECKING
SEE PLANS BY OTHERS FOR IMPROVEMENTS WITHIN EASEMENT AREA
COVERED PATIO
EVENT BARN
PROPANE TANKS & GENERATOR PADS
DELIVERY SERVICE
BUILDING ADDITION
GENERATOR PAD
RETAINING WALL
12' X 12' GAZEBO
ELEVATED TIMBER BOARDWALK
6' GRAVEL WALKING PATH
DECORATIVE BOLLARD LIGHT (TYP. OF 51)
SHARON ROAD (RTE. 41)
RETAINING WALLS
6' GRAVEL WALKING PATH
DECORATIVE SITE LIGHT (TYP. OF 20)
COTTAGE (TYP.)

N/F Michael E. Rogers Vol. 134 Pg. 862 S.L.R.
N/F Charles & Sandra Kalison Vol. 173 Pg. 186 S.L.R.
N/F Sarah Patterson Virden Vol. 258 Pg. 585 S.L.R.
N/F Moisha K. & Robert Blechman Vol. 263 Pg. 165 S.L.R.
N/F Todi Canie Vol. 241 Pg. 1101 S.L.R.
N/F FB Square LK LLC Vol. 271 Pg. 352 S.L.R.
N/F Jack Hawley II Vol. 247 Pg. 254 S.L.R.
N/F Paul & Elaine Watson Vol. 252 Pg. 378 S.L.R.

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

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DESCRIPTION	DATE	BY

SITE PLAN - LAYOUT

WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

MA	SM	MA
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

JULY 18, 2024
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22100.00001
PROJECT NO.

03 OF 14
SHEET NO.

LA
SHEET NAME

PROPOSED PLANT PALETTE

SHADE TREES	50	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
		AR	Acer rubrum 'Autumn Flame'	Autumn Flame Red Maple	3"-3.5" CAL	B & B
		AS	Acer saccharum ' Green Mountain'	Green Mountain Sugar Maple	3"-3.5" CAL	B & B
		FP	Ulmus americana 'Princeton'	Princeton Elm	3"-3.5" CAL	B & B
		GB	Ginkgo biloba	Ginkgo	3"-3.5" CAL	B & B
		GT	Gleditsia triacanthos inermis 'Sunburst'	Sunburst Honeylocust	3"-3.5" CAL	B & B
		PB	Platanus x acerifolia 'Bloodgood'	Bloodgood London Planetree	3"-3.5" CAL	B & B
		TC	Tilia cordata 'Greenspire'	Greenspire Littleleaf Linden	3"-3.5" CAL	B & B
ORNAMENTAL TREES	30	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
		AC	Amelanchier x g. 'Autumn Brilliance'	Autumn Brilliance Serviceberry	3"-3/5" CAL	B & B, Single Stem
		BN	Betula nigra 'Heritage'	Heritage River Birch	10'-12' HT.	B & B, Multistem
		CK	Cornus kousa	Kousa Dogwood	2"-2.5" CAL	B & B, Heavy
		CL	Crataegus laevigata 'Crimson Cloud'	Hawthorn 'crimson Cloud'	2"-2.5" CAL	B & B, Specimen
		CR	Cornus x Rutgers	Rutgers Dogwood	2"-2.5" CAL	B & B, Multistem
		PC	Pyrus calleryana	Bradford Pear	2"-2.5" CAL	B & B, Specimen
		SR	Syringa reticulata 'Ivory Silk'	Ivory Silk Jap. Tree Lilac	3"-3.5" CAL	B & B, Specimen
EVERGREEN	60	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
		AC	Abies concolor	White Fir	7'-8' HT.	B & B, Full & Dense
		PA	Picea abies	Norway Spruce	10'-12' HT.	B & B, Full & Dense
		PG	Picea glauca	White Spruce	8'-10' HT.	B & B, Full & Dense
		PS	Tsuga canadensis	Eastern Hemlock	7'-8' HT.	B & B, Full & Dense
		TO	Thuja occidentalis 'Emerald'	Emerald Arborvitae	5'-6' HT.	B & B, Full & Dense
SHRUBS AND ORN. GRASS	800	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
		EC	Echinacea	Cone Flower	2 GAL	HEAVY
		CB	Cornus racemosa	Gray dogwood	30"- 36" Ht.	Full & Dense
		HA	Hydrangea Arborscens 'Annabelle'	Annabelle Hydrangea	3 GAL.	Full & Dense
		IVA	Ilex verticillata 'After Glow'	After Glow Winterberry	GAL.	Full & Dense
		IVJ	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	3'-4' Ht.	Full & Dense
		IG	Ilex glabra 'Compacta'	Compact Inkberry	2.5'-3' Ht.	B&B
		CF	Calamgrostis acutiflora 'Karl Foerester'	Feather Reed Grass	2 GAL.	Heavy
		PAH	Pennisetum alopecoroides 'Hameln'	Dwarf Fountain Grass	2 GAL.	Heavy
		PV	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	2 GAL.	Heavy
		AI	Asclepias incarnata	Swamp Milkweed	2 GAL.	Heavy
		SO	Solidago odora	Golden Rod	2 GAL.	Heavy
		SO	Solidago odora	Golden Rod	2 GAL.	Heavy

PLANTING NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
2. 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 LOOSENED OR SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES.
3. ALL PLANTING BEDS SHALL HAVE 12" MINIMUM DEPTH OF TOPSOIL.
4. 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.
5. ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO AND AFTER PLANTING.
6. TAKE NOTE TO PROTECT ROOT ZONES OF EXISTING TREES ROOT ZONES DURING CONSTRUCTION AS SHOWN ON PLANS.

SEED MIX LEGEND

- (A) NEW ENGLAND WILD FLOWER MIX - ± 39,024 SF
  SEED RATE: 23 LB/ACRE 1900 SF/LB
- (B) NEW ENGLAND SEMI-SHADE GRASS & FORBS MIX - ± 66,890 SF
  SEED RATE: 30 LB/ACRE 1450 SF/LB
- (C) NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX - ± 6,818 SF
  SEED RATE: 25 LB/ACRE 1750 SF/LB
- (D) NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES - ± 36,117 SF
  SEED RATE: 35 LB/ACRE 1250 SF/LB
- (E) NEW ENGLAND WETMIX (WETLAND SEED MIX) - ± 9,667 SF
  SEED RATE: 18 LB/ACRE 2500 SF/LB

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

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DESCRIPTION	DATE	BY

SITE PLAN - LANDSCAPING

WAKE ROBIN INN
REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

MA	SB	SB
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

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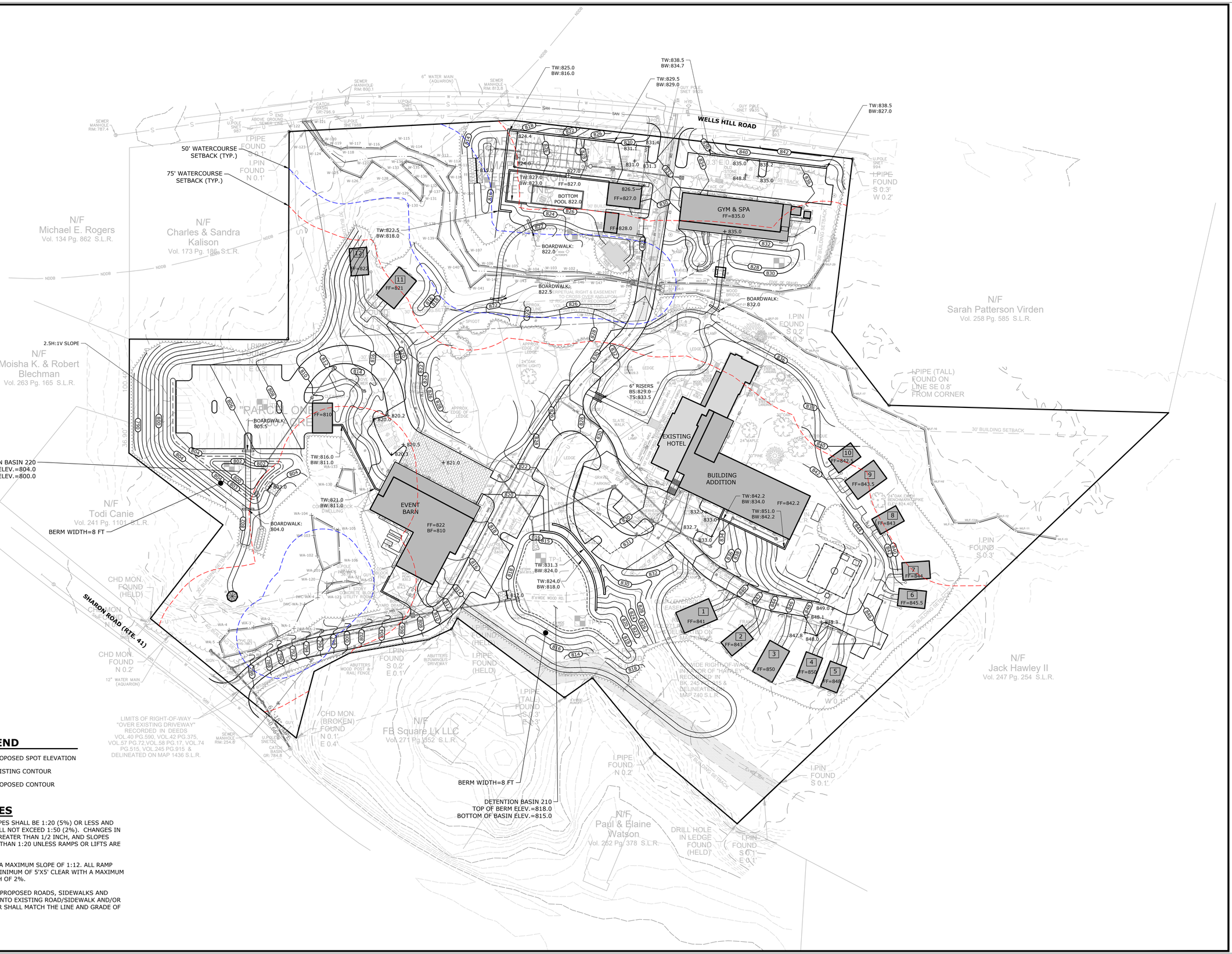
22100.00001
PROJECT NO.

04 OF 14
SHEET NO.

LS
SHEET NAME



GRADING LEGEND

+ 70.5	PROPOSED SPOT ELEVATION
——70——	EXISTING CONTOUR
——124——	PROPOSED CONTOUR

GRADING NOTES

1. ACCESSIBLE ROUTE SLOPES SHALL BE 1:20 (5%) OR LESS AND THE CROSS SLOPES SHALL NOT EXCEED 1:50 (2%). CHANGES IN LEVELS SHALL NOT BE GREATER THAN 1/2 INCH, AND SLOPES SHALL NOT BE GREATER THAN 1:20 UNLESS RAMPS OR LIFTS ARE PROVIDED.
2. ALL RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1:12. ALL RAMP LANDINGS SHALL BE A MINIMUM OF 5'X5' CLEAR WITH A MAXIMUM SLOPE AND CROSS-PITCH OF 2%.
3. IN ALL CASES IN WHICH PROPOSED ROADS, SIDEWALKS AND CURBING WILL BE TIED INTO EXISTING ROAD/SIDEWALK AND/OR CURBS THE CONTRACTOR SHALL MATCH THE LINE AND GRADE OF THE EXISTING SITE.

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

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DESCRIPTION	DATE	BY

SITE PLAN - GRADING

WAKE ROBIN INN
REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	MA
DESIGNED	DRAWN	CHECKED

1"=50'
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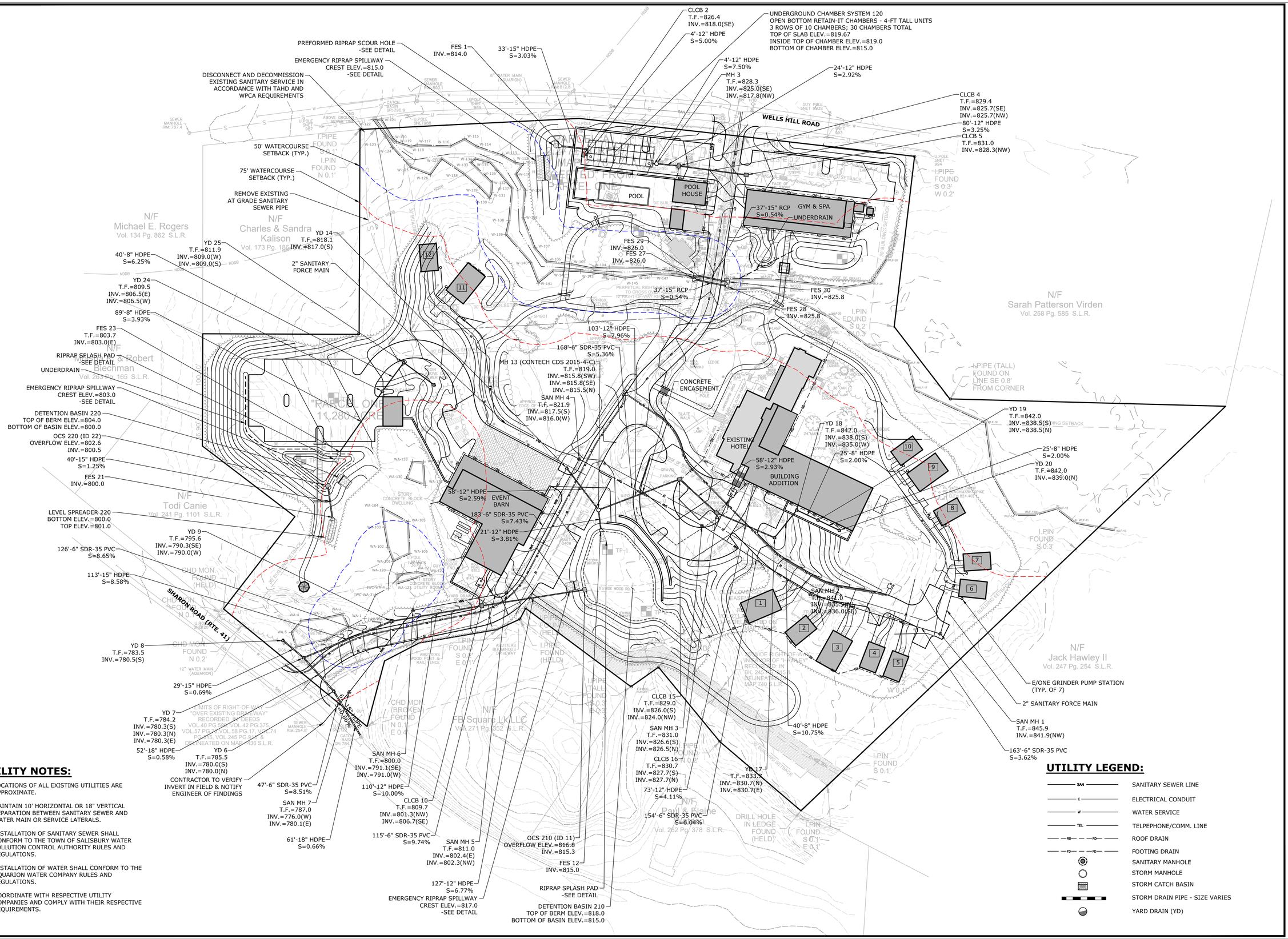

UTILITY NOTES:

1. LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE.
2. MAINTAIN 10' HORIZONTAL OR 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAIN OR SERVICE LATERALS.
3. INSTALLATION OF SANITARY SEWER SHALL CONFORM TO THE TOWN OF SALISBURY WATER POLLUTION CONTROL AUTHORITY RULES AND REGULATIONS.
4. INSTALLATION OF WATER SHALL CONFORM TO THE AQUARION WATER COMPANY RULES AND REGULATIONS.
5. COORDINATE WITH RESPECTIVE UTILITY COMPANIES AND COMPLY WITH THEIR RESPECTIVE REQUIREMENTS.

UTILITY LEGEND:

- SAN — SANITARY SEWER LINE
- E — ELECTRICAL CONDUIT
- W — WATER SERVICE
- TEL — TELPEPHONE/COMM. LINE
- RD — ROOF DRAIN
- FD — FOOTING DRAIN
- SANITARY MANHOLE
- STORM MANHOLE
- STORM CATCH BASIN
- STORM DRAIN PIPE - SIZE VARIES
- YARD DRAIN (YD)

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

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DESCRIPTION	DATE	BY

SITE PLAN - UTILITIES

WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

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SCALE

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06 OF 14
SHEET NO.

UT
SHEET NAME

TEMPORARY SEDIMENT TRAP SIZING SUMMARY					
TRAP NO.	ACRES	VOLUME STORAGE REQUIRED	DEPTH STORAGE REQUIRED	ACRES/ DIMENSIONS	VOLUME STORAGE PROPOSED
#1	1.0	134 CY	2.5 FT.	3,800 SF	350 CY**
#2	2.3	308 CY	1.5 FT.	10,900 SF	600 CY**

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

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

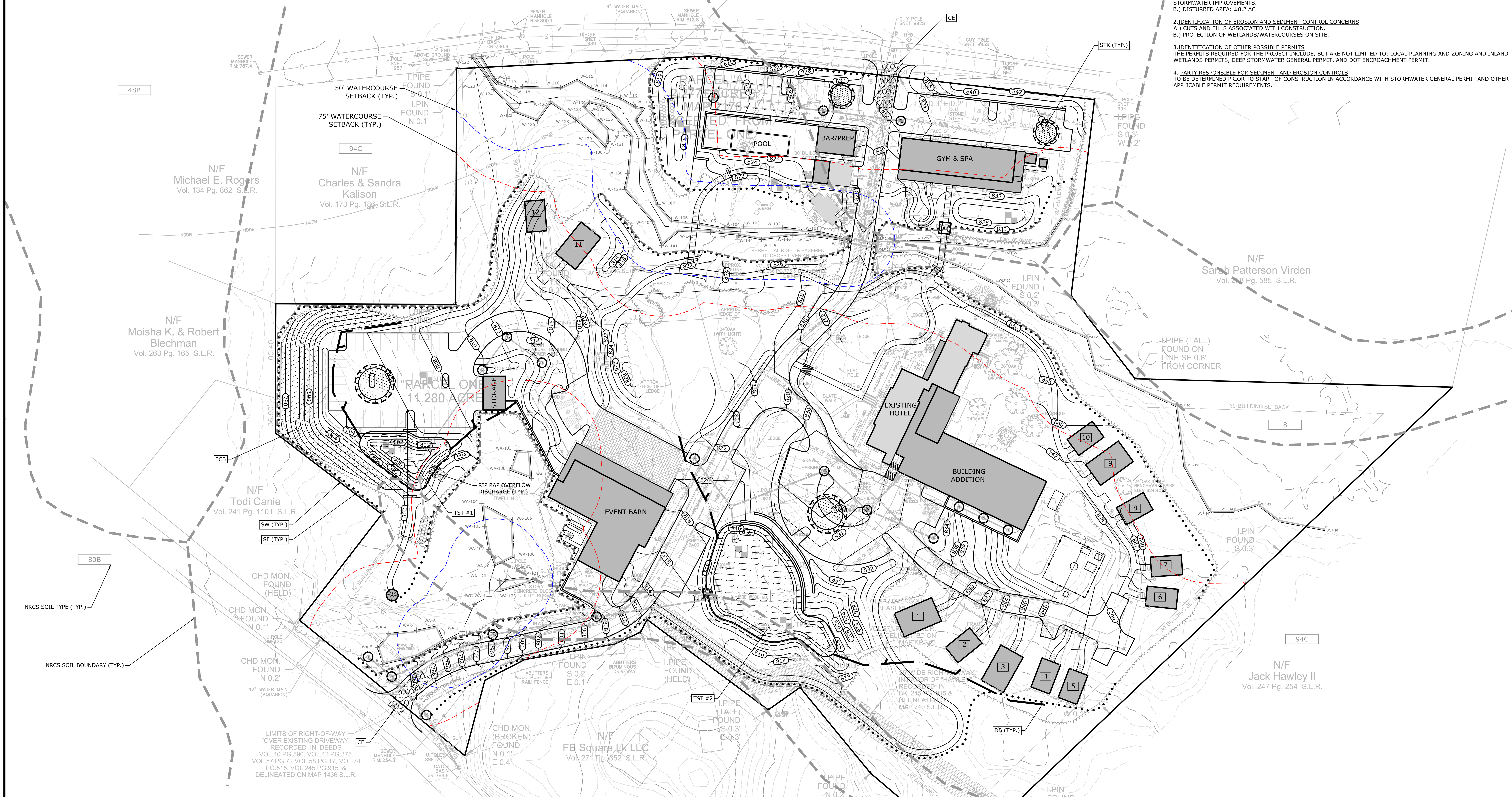
SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - 2023, TOWN OF SALISBURY REQUIREMENTS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

1. PURPOSE AND DESCRIPTION OF PROJECT
A.) THE CONSTRUCTION OF A WEDDING/EVENTS VENUE WITH COMMON AMENITY AREAS ALONG WITH DRIVEWAY, UTILITY, AND STORMWATER IMPROVEMENTS.
B.) DISTURBED AREA: ±8.2 AC

2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.
B.) PROTECTION OF WETLANDS/WATERCOURSES ON SITE.

3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
THE PERMITS REQUIRED FOR THE PROJECT INCLUDE, BUT ARE NOT LIMITED TO: LOCAL PLANNING AND ZONING AND INLAND WETLANDS PERMITS, DEEP STORMWATER GENERAL PERMIT, AND DOT ENCROACHMENT PERMIT.

4. PARTY RESPONSIBLE FOR SEDIMENT AND EROSION CONTROLS
TO BE DETERMINED PRIOR TO START OF CONSTRUCTION IN ACCORDANCE WITH STORMWATER GENERAL PERMIT AND OTHER APPLICABLE PERMIT REQUIREMENTS.



EROSION CONTROL LEGEND

Symbol	Description
CE	CONSTRUCTION ENTRANCE (50 L.F. MIN.)
SW	STRAW WATTLE
SF	SEDIMENT FILTER FENCE
TST	TEMPORARY SEDIMENT TRAP
	TEMPORARY CONTOUR FOR TST
	NRCS SOILS BOUNDARY
IP	INLET PROTECTION
STK	SOIL STOCKPILE AREA
DB	TEMPORARY DIVERSION BERM/SWALE WITH CHECK DAMS
	RIP RAP OVERFLOW DISCHARGE
ECB	EROSION CONTROL BLANKET
45B	NRCS SOILS BOUNDARY TYPE

NRCS SOIL TYPES

8: MUDGEPOND AND ALDEN SOILS, EXTREMELY STONY
48B: GEORGIA AND AMENIA SILT LOAMS, 2-8% SLOPES
80B: BERNARDSTON SILT LOAM, 3-8% SLOPES
90C: STOCKBRIDGE LOAM, 8-15% SLOPES
94C: FARMINGTON-NELLIS COMPLEX, 3-15% SLOPES
95E: FARMINGTON-ROCK OUTCROP COMPLEX, 15-45% SLOPES

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

DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL PLAN

WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

DESIGNED	DRAWN	CHECKED
SM	SM	TR

SCALE: 1"=50'
DATE: JULY 18, 2024
PROJECT NO.: 22100.00001

SHEET NAME: SE-1

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, 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:

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 TWO VERTICAL (1:2).

d. PROVISIONS SHOULD BE INCLUDED TO CONVEY SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.

e. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE INTO ADJACENT WETLANDS, WATERCOURSES, OR WATER BODIES.

f. PRIOR TO ANY RE-GRADING, 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:

TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.

UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.

REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.

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, NUTGRASS, AND QUACKGRASS.
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 (PPM) 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 PLANS.

TEMPORARY VEGETATIVE COVER:

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

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. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
2. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
3. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS.) APPLY STRAW MULCH AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE CONCENTRATED FLOW WILL OCCUR.

PERMANENT VEGETATIVE COVER:

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:
   - SPRING 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 300LBS. 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.).

EROSION CHECKS:

GENERAL:

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

CONSTRUCTION:

BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.

BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.

GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP MINIMUM OF TWO FEET (2').

INSTALLATION AND MAINTENANCE:

1. BALED STRAW EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED STRAW 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 BI-MONTHLY AND AFTER RAINFALL EVENTS GREATER THAN ONE HALF INCH) 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.

TEMPORARY STABILIZATION FOR WINTER CONDITIONS:

ANY SIGNIFICANT AREAS OF EXPOSED SOIL WHICH HAVE BEEN DISTURBED AFTER OCTOBER 15TH SHALL BE TEMPORARILY STABILIZED BY ONE OF THE FOLLOWING METHODS UNTIL SUCH TIME THAT PERMANENT STABILIZATION MEASURES AND SEEDING CAN BE APPLIED, TYPICALLY AFTER MAY 15TH.

1. INSTALLATION OF AN ANCHORED EROSION CONTROL BLANKET. EROSION CONTROL BLANKETS SHOULD NOT BE INSTALLED ON SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
2. APPLICATION OF STRAW MULCH AT A RATE OF FOUR (4) TONS PER ACRE.
3. APPLICATION OF WOOD CHIP MULCH AT A MINIMUM DEPTH OF THREE INCHES (3"). WOOD CHIP MULCH SHOULD NOT BE USED ON SLOPES GREATER THAN 2:1 (H:V). ALL WOOD CHIP MULCH SHALL BE REMOVED PRIOR TO RESUMING SITE GRADING.

VEGETATIVE COVER SELECTION & MULCHING:

TEMPORARY VEGETATIVE COVER:

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

PERMANENT VEGETATIVE COVER:

1. TURFGRASS MIX OR EQUAL:

   RECOMMENDED APPLICATION RATE: 1 POUND PER 1,750 SF
   SEED MIX SPECIES: CREEPING RED FESCUE (Festuca rubra var. rubra (endophyte enchanced)) - 15%, PERENNIAL RYEGRASS (Lolium multiflorum) - 15%, KENTUCKY BLUEGRASS (Poa pratensis "KenBlue') - 35%, CHEWINGS FESCUE (Festuca rubra var. commutate 'Tiffany') - 15%.

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

2. WITHIN 100-FOOT REGULATED UPLAND AREAS FROM WETLANDS:

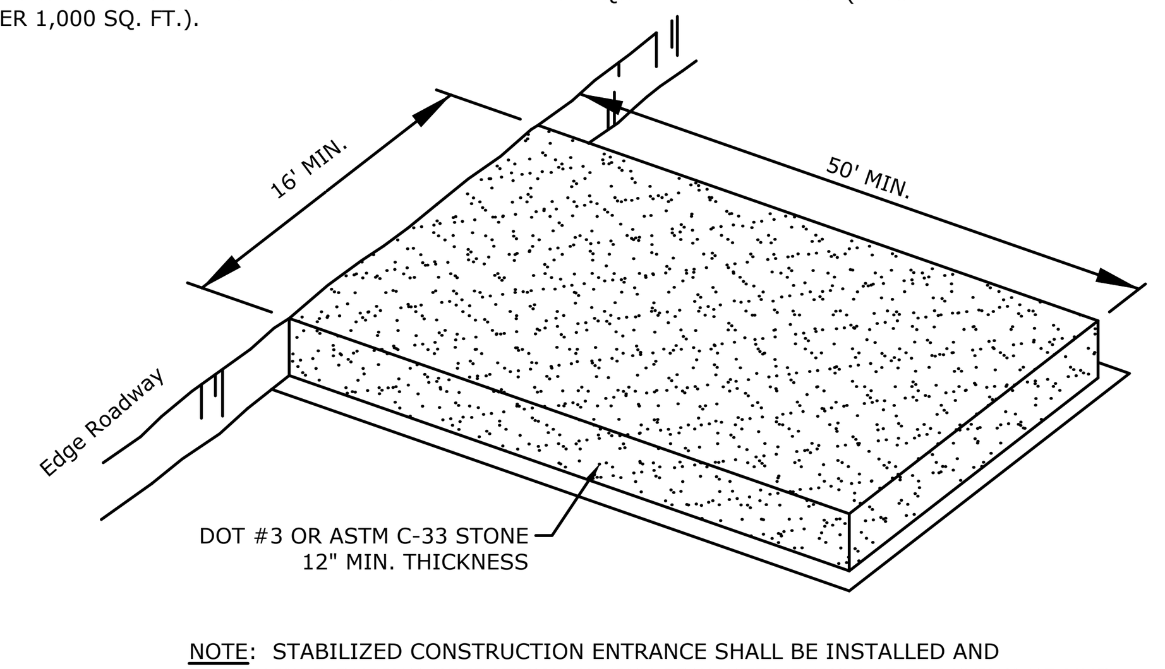
   RECOMMENDED APPLICATION RATE: 1 POUND PER 1,250 SF
   SEED MIX SPECIES: NEW ENGLAND EROSION CONTROL/RESTORATION MIX (FOR MOIST SITES) OR 1 POUND PER 1,750 SF NEW ENGLAND CONSERVATION/WILDLIFE MIX.

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 (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS).
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. (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS).
6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
7. THE USE OF SOD IS AN ACCEPTABLE ALTERNATIVE 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.

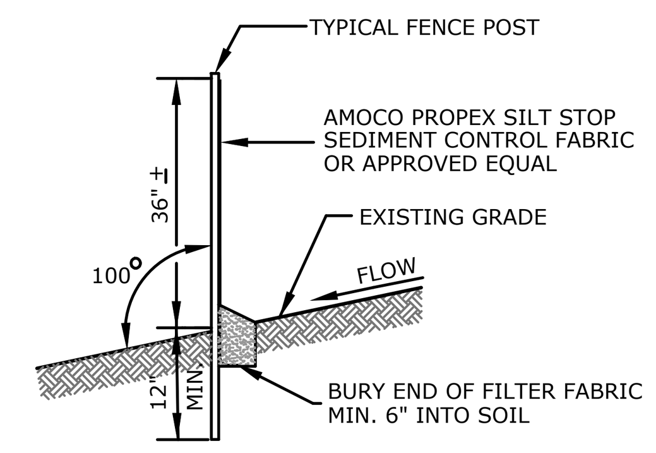
MAINTENANCE:

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 (8 LBS PER 1,000 SQ. FT.).

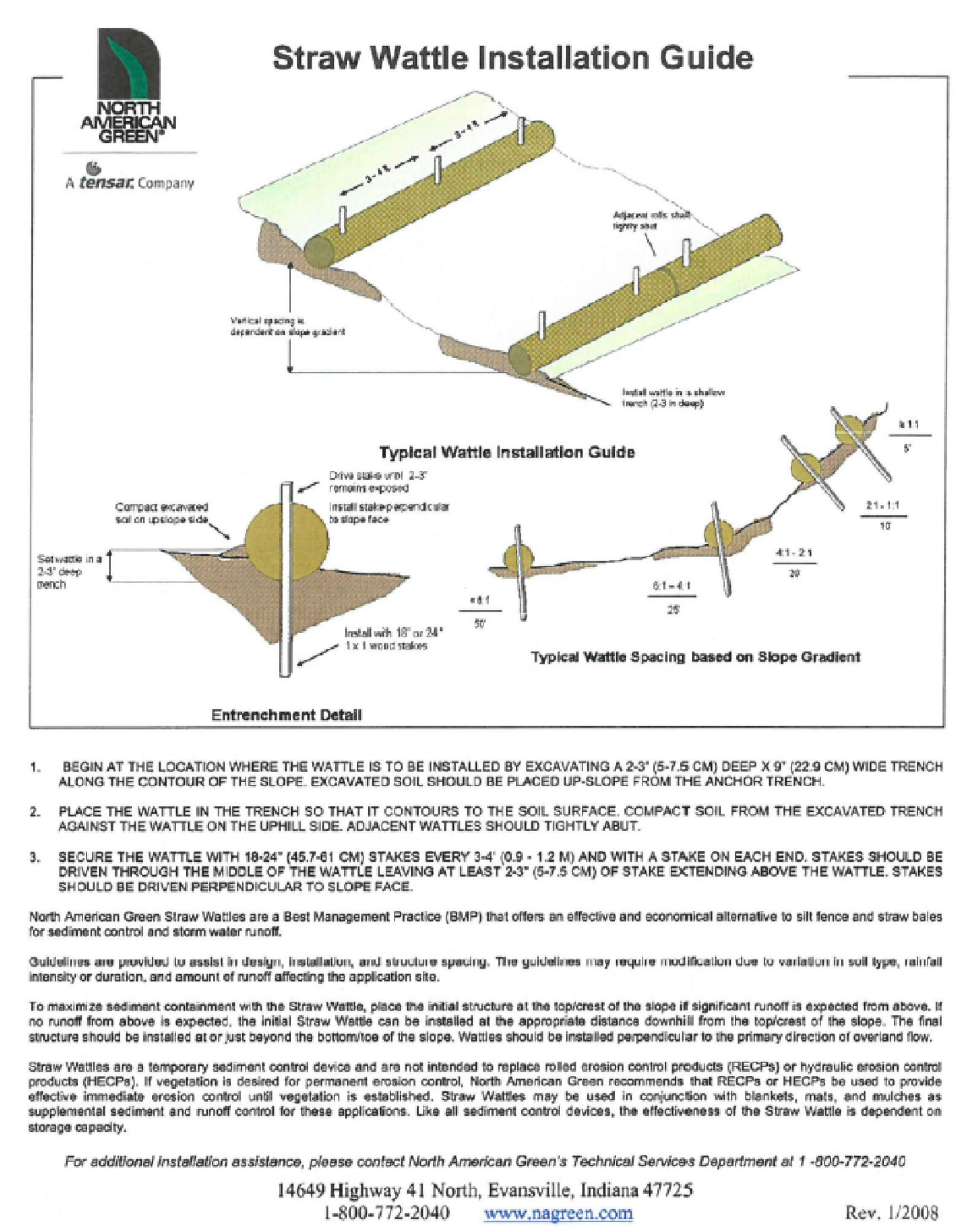


NOTE: STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD

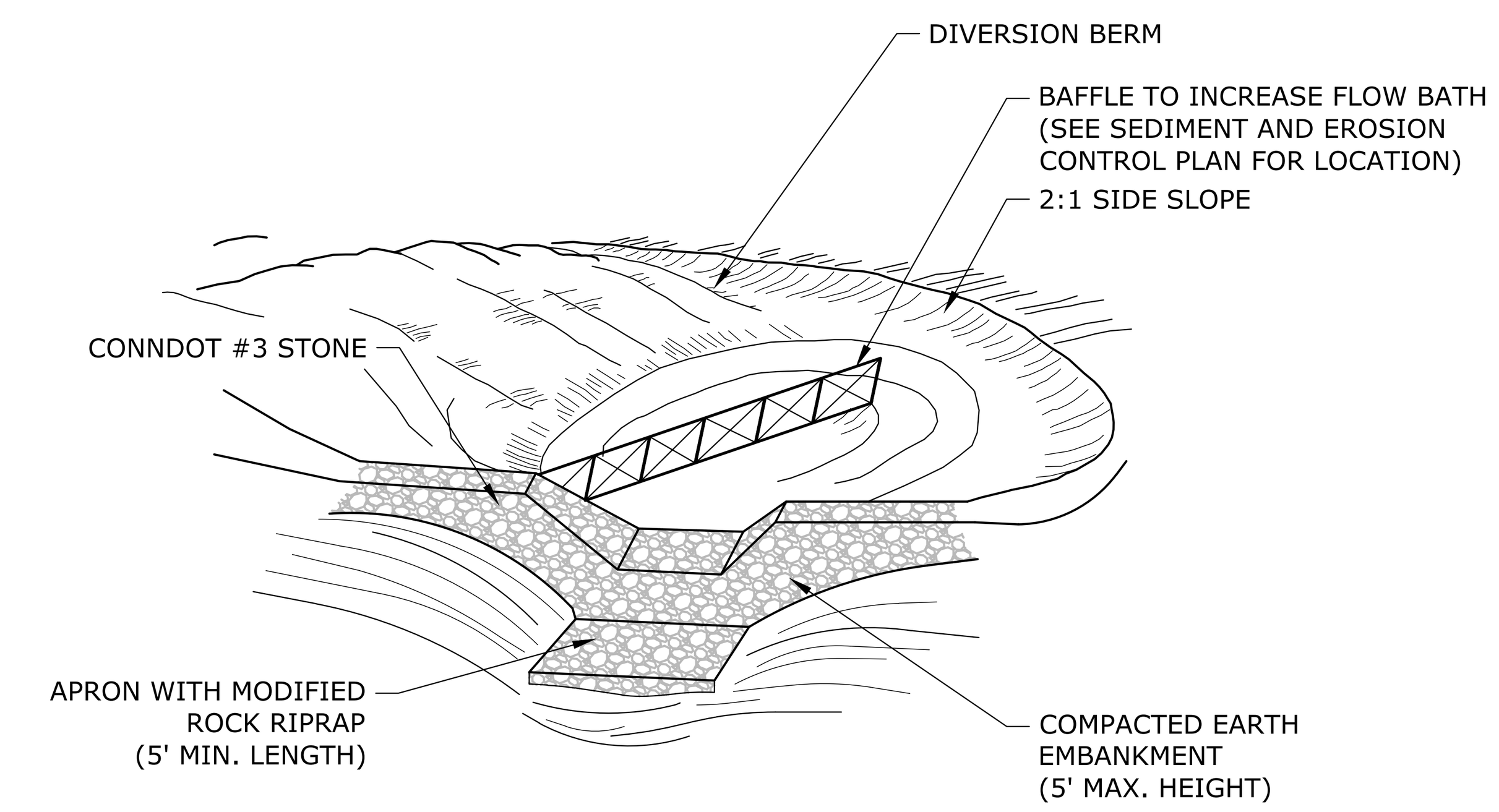
CONSTRUCTION ENTRANCE PAD (CE)
NOT TO SCALE



GEOTEXTILE SILT FENCE (SF)
NOT TO SCALE

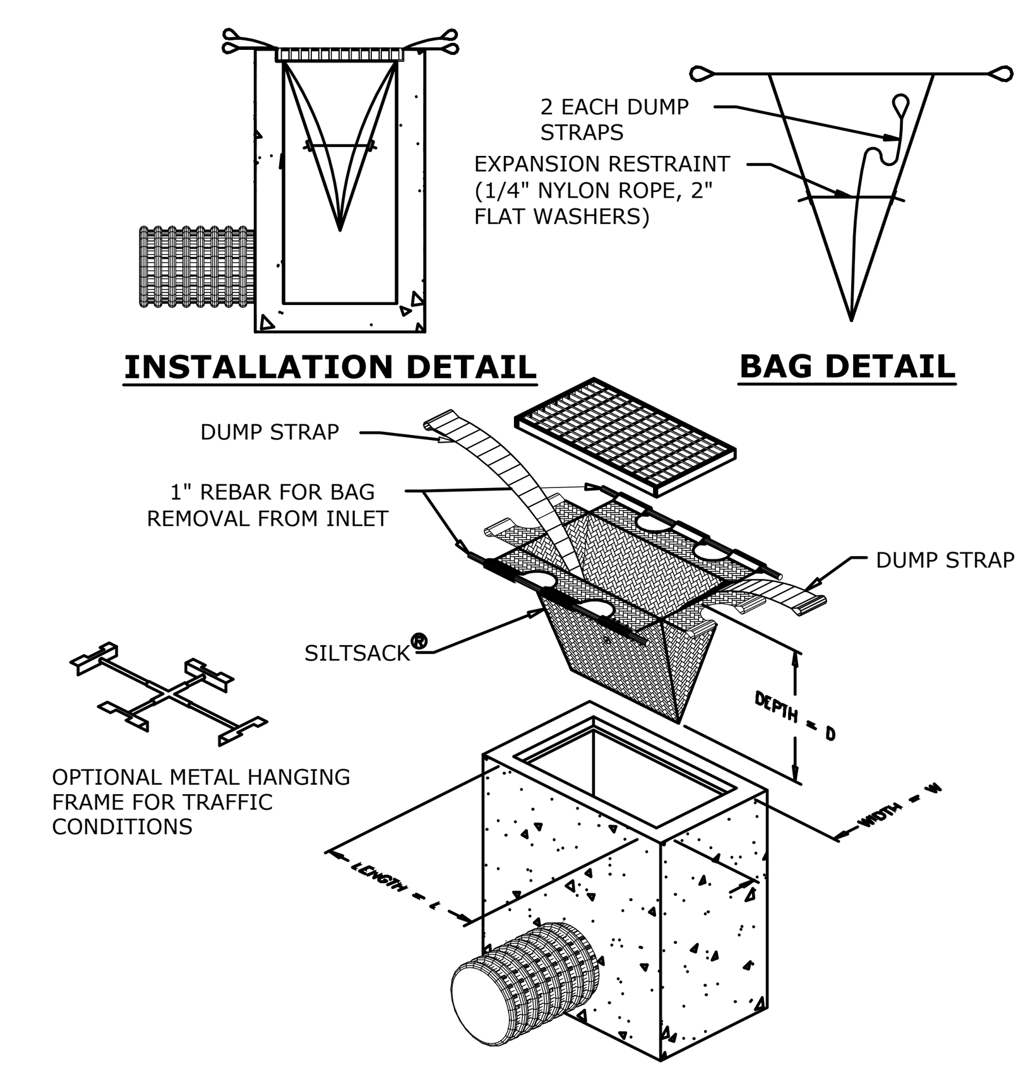


STRAW WATTLE (SW)
NOT TO SCALE

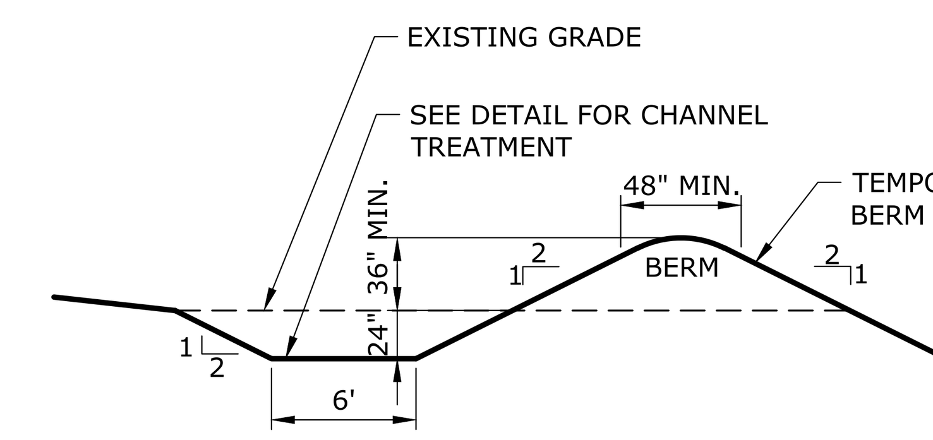


NOTES:
1. REFER TO SEDIMENT & EROSION CONTROL PLAN FOR APPROXIMATE DIMENSIONS AND REQUIRED VOLUME.

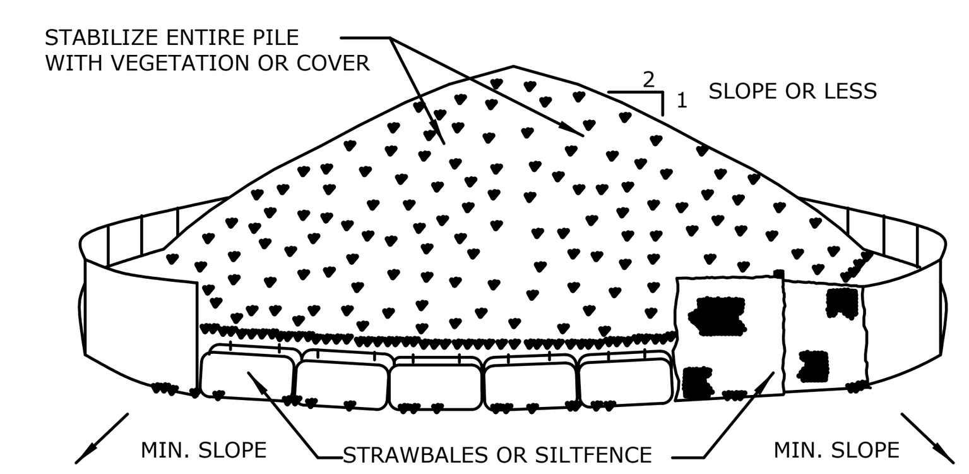
TEMPORARY SEDIMENT TRAP
NOT TO SCALE



INLET PROTECTION (IP)
NOT TO SCALE



TEMPORARY DIVERSION BERM AND SWALE
NOT TO SCALE



INSTALLATION NOTES
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

STOCKPILE PROTECTION (STK)
NOT TO SCALE

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 0.5 FEET 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.
STRAW WATTLE (SW)	- 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	STRAW WATTLE MAY BE REMOVED AFTER UPHILL AREAS HAVE BEEN PERMANENTLY STABILIZED.
TEMPORARY DIVERSION BERM/SWALE (TBS) OR TEMPORARY SWALE (TBS)	- 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.
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.
CATCH BASIN INLET PROTECTION (IP)	- PROHIBIT SILT IN CONSTRUCTION-RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT, REMOVE SEDIMENT FROM BAG. CHECK SURROUNDING SILT FENCE AND HAY BALES PER NOTED ABOVE.	- RIPPED BAG - FAILED HAY BALES / SILT FENCE - SIGNIFICANT SILT PRESENCE IN STORM DRAINAGE SYSTEM OUTFLOW.	INLET PROTECTION MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
STOCKPILE PROTECTION (STK)	- RETAIN SOIL STOCKPILE IN LOCATIONS SPECIFIED, AND REDUCE WATER-TRANSPORT.	INSPECT SILT FENCE AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC REINFORCEMENT OF 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.
DUST CONTROL	- TO PREVENT MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, WHICH MAY CAUSE BOTH OFF-SITE AND ON-SITE DAMAGE, BE A HEALTH HAZARD TO HUMANS, WILDLIFE, AND PLANT LIFE, OR CREATE A HAZARD BY REDUCING TRAFFIC VISIBILITY.	-USE MECHANICAL SWEEPING DAILY ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE, IF HEAVILY TRAFFICKED AND SEDIMENT ACCUMULATES QUICKLY. MOISTEN UNPAVED TRAVELWAYS TO CONTROL DUST WHEN EVIDENCE OF AIRBORNE DUST.	-AIRBORNE DUST	-REPEAT APPLICATION OF DUST CONTROL MEASURES UNTIL ALL AREAS ARE PERMANENTLY STABILIZED, VEGETATED, AND PAVED, OR AS LONG AS THERE IS AIRBORNE DUST.

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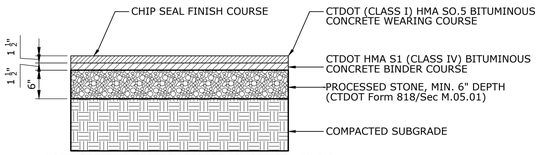
DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL NOTES & DETAILS
WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

AS NOTED
SCALE
JULY 18, 2024
DATE
22100.00001
PROJECT NO.

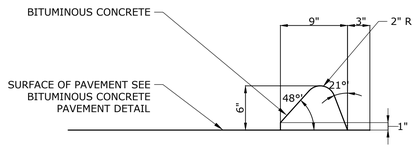
SE-2
SHEET NAME



NOTE: REFER TO GEOTECH REPORT AS PREPARED BY SLR CONSULTING FOR ADDITIONAL INFORMATION REGARDING SUBGRADE AND PAVEMENT RECOMMENDATIONS

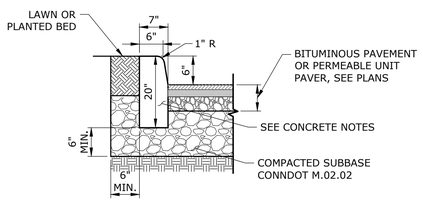
BITUMINOUS CONCRETE PAVEMENT

NOT TO SCALE



BITUMINOUS CONCRETE CURB

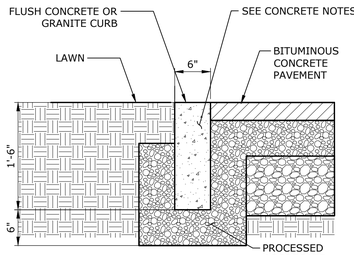
NOT TO SCALE



NOTE: DETAIL APPLIES WHERE CURB ABUTS LAWN OR PLANTED BED

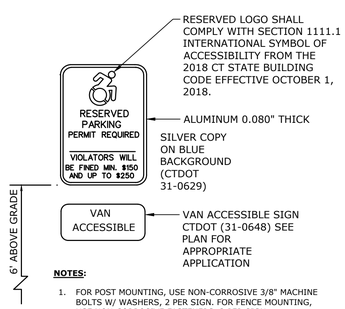
CONCRETE OR GRANITE CURB

NOT TO SCALE



FLUSH CONCRETE OR GRANITE CURB

NOT TO SCALE

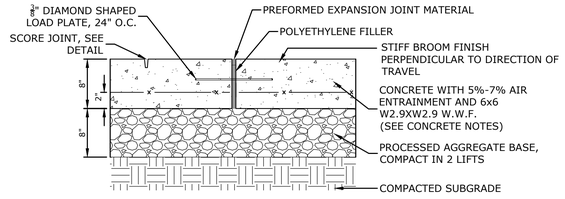


NOTES:

1. 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

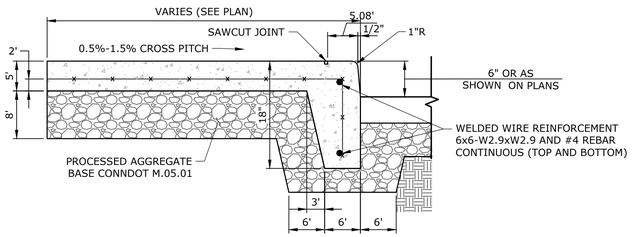
RESERVED PARKING SIGN

NOT TO SCALE



VEHICULAR CONCRETE PAVEMENT

NOT TO SCALE

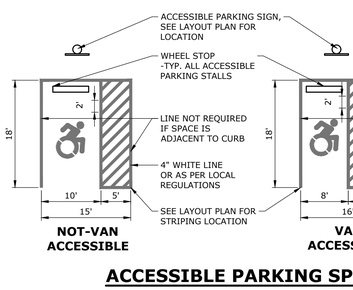


NOTES:

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

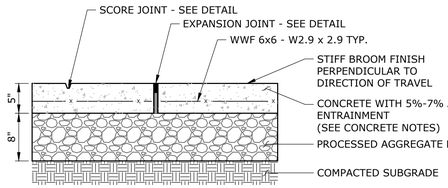
INTEGRAL CONCRETE SIDEWALK CURB

NOT TO SCALE



ACCESSIBLE PARKING SPACE LAYOUT & STRIPING

NOT TO SCALE

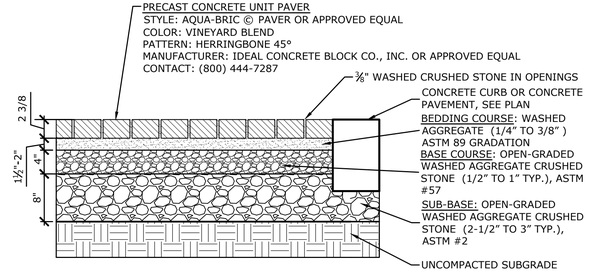


NOTES:

1. EXPANSION JOINTS 20' O.C. MAXIMUM CONSTRUCTION JOINTS 6' O.C. TYPICAL (OR AS SHOWN ON PLANS).
2. WWF SHALL BE INSTALLED UTILIZING CHAIR SUPPORTS.

CONCRETE PAVEMENT

NOT TO SCALE

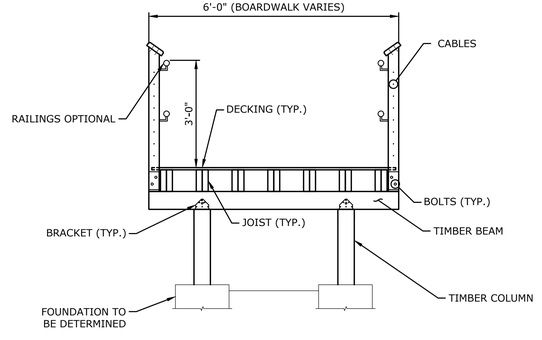


NOTE: SUBGRADE IS NOT TO BE OVER COMPACTED. ALL STONE MATERIALS ARE TO BE CLEAN AND CAREFULLY PLACED.

1. NOTES:
2. SUBGRADE IS NOT TO BE OVER COMPACTED. ALL STONE MATERIALS ARE TO BE CLEAN AND CAREFULLY PLACED.
3. SUBMIT SHOP OR PRODUCT DRAWINGS
4. SUBMIT PAVER PRODUCT DATA FROM MANUFACTURER
5. IF PROPOSING A SUBSTITUTE PAVER, PROVIDE THREE REPRESENTATIVE FULL-SIZE SAMPLES OF EACH PAVER TYPE, THICKNESS, AND COLOR. SUBMIT SAMPLES INDICATING THE RANGE OF COLOR EXPECTED IN THE FINISHED INSTALLATION.
6. SUBMIT SIEVE ANALYSIS FOR GRADING OF SUB-BASE, BASE, AND BEDDING MATERIALS PER ASTM C136
7. PATTERN SHALL HERRINGBONE
8. PREPARE A MINIMUM 5' x 5' AREA MOCK-UP DISPLAYING THE PATTERN AND EXAMPLE OF WORKMANSHIP.

PERMEABLE UNIT PAVER

NOT TO SCALE



TYPICAL BOARDWALK/OVERLOOK SECTION

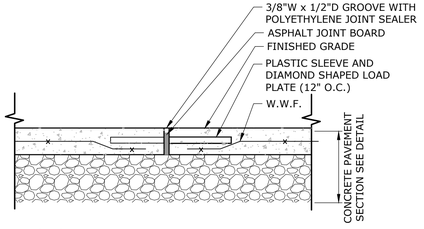
NTS

NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. CONCRETE PER CONNDOT MATERIAL M.03.03, FORM 818
   - 3.1. PCC04462
   - 3.2. 4,000 PSI AT 28 DAYS
   - 3.3. CEMENT CONTENT OF 615LB MINIMUM
   - 3.4. AGGREGATE 3/4" MAX
   - 3.5. WATER TO CEMENT RATIO 0.42
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADAAG SECTION 4.5.
5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
6. WHEN INSTALLING RAMPS WITHIN OR NEXT TO EXISTING WALKS, CUT ADJACENT WALKS TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED.
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
9. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID. IN THE DIRECTION OF PEDESTRIAN TRAVEL.

DETECTABLE WARNING STRIP FOR ACCESSIBLE WALK

NOT TO SCALE

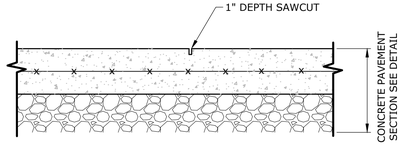


NOTES:

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

CEMENT CONCRETE EXPANSION JOINT

NOT TO SCALE

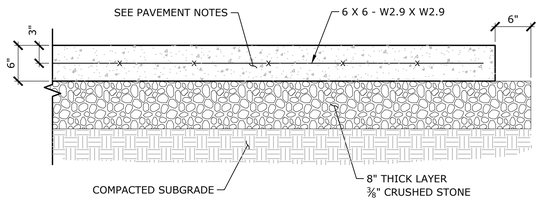


NOTES:

1. PROVIDE SAWCUTS AS SHOWN ON THE PLANS.

SCORE JOINT - SAWCUT

NOT TO SCALE

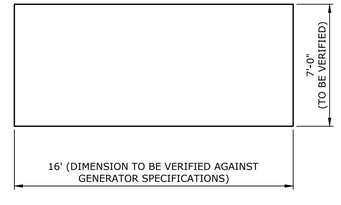


NOTE:

1. SEE UTILITY PAD PLAN VIEW FOR OVERALL DIMENSIONS.

CONCRETE UTILITY PAD AT GENERATOR - TYPICAL SECTION

NOT TO SCALE



NOTES:

1. CONTRACTOR TO COORDINATE WITH EQUIPMENT MANUFACTURER FOR BOLT LOCATIONS, SLEEVES, AND ANY PENETRATIONS PRIOR TO POURING CONCRETE.
2. SEE CONCRETE UTILITY PAD-TYPICAL SECTION ON THIS SHEET.

CONCRETE UTILITY PAD AT GENERATOR - PLAN

NOT TO SCALE

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CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION | DATE | BY

SITE DETAILS

WAKE ROBIN INN REDEVELOPMENT

104 & 106 SHARON ROAD SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

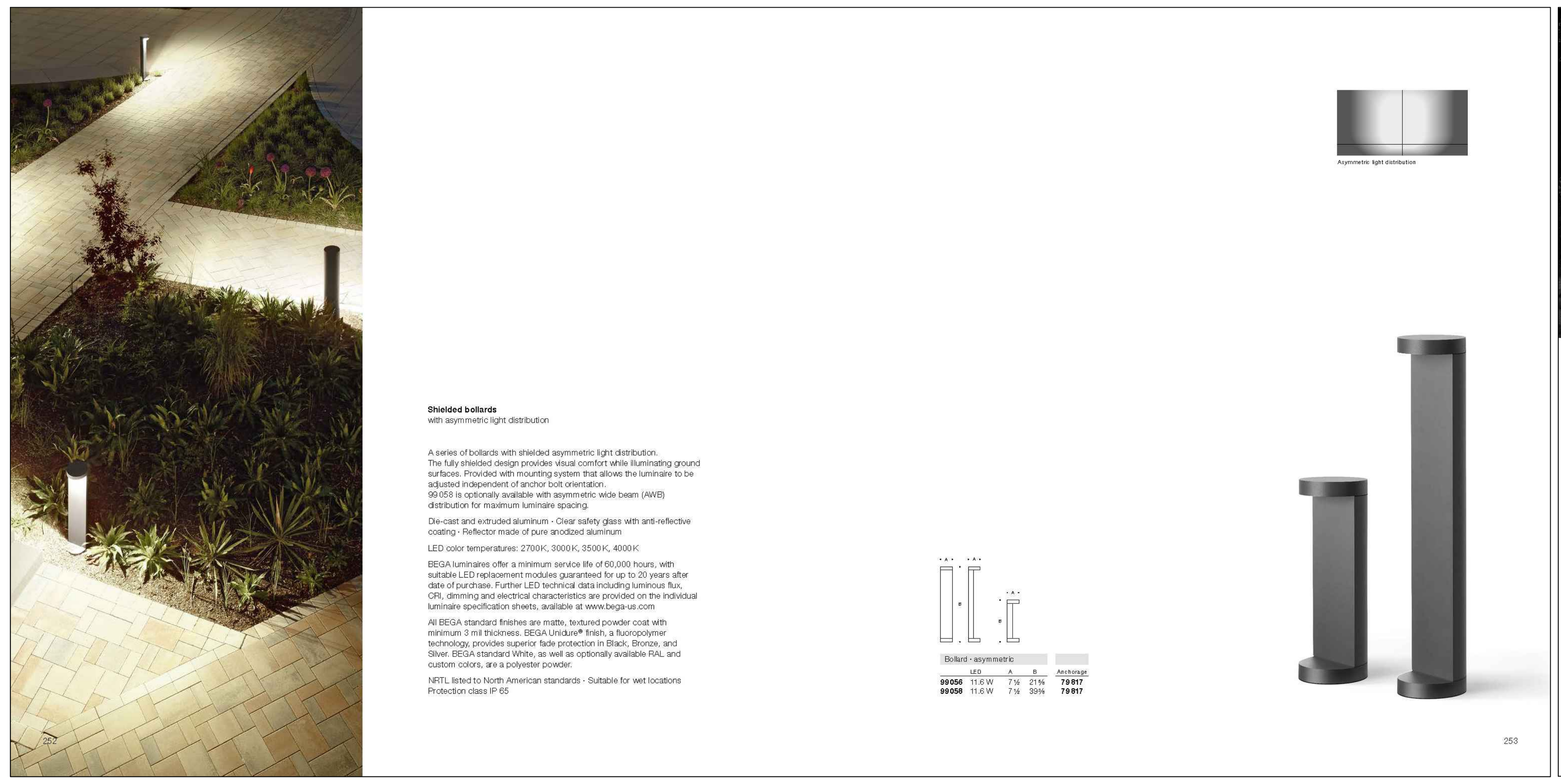
AS NOTED (SCALE)

JULY 18, 2024 (DATE)

22100.00001 (PROJECT NO.)

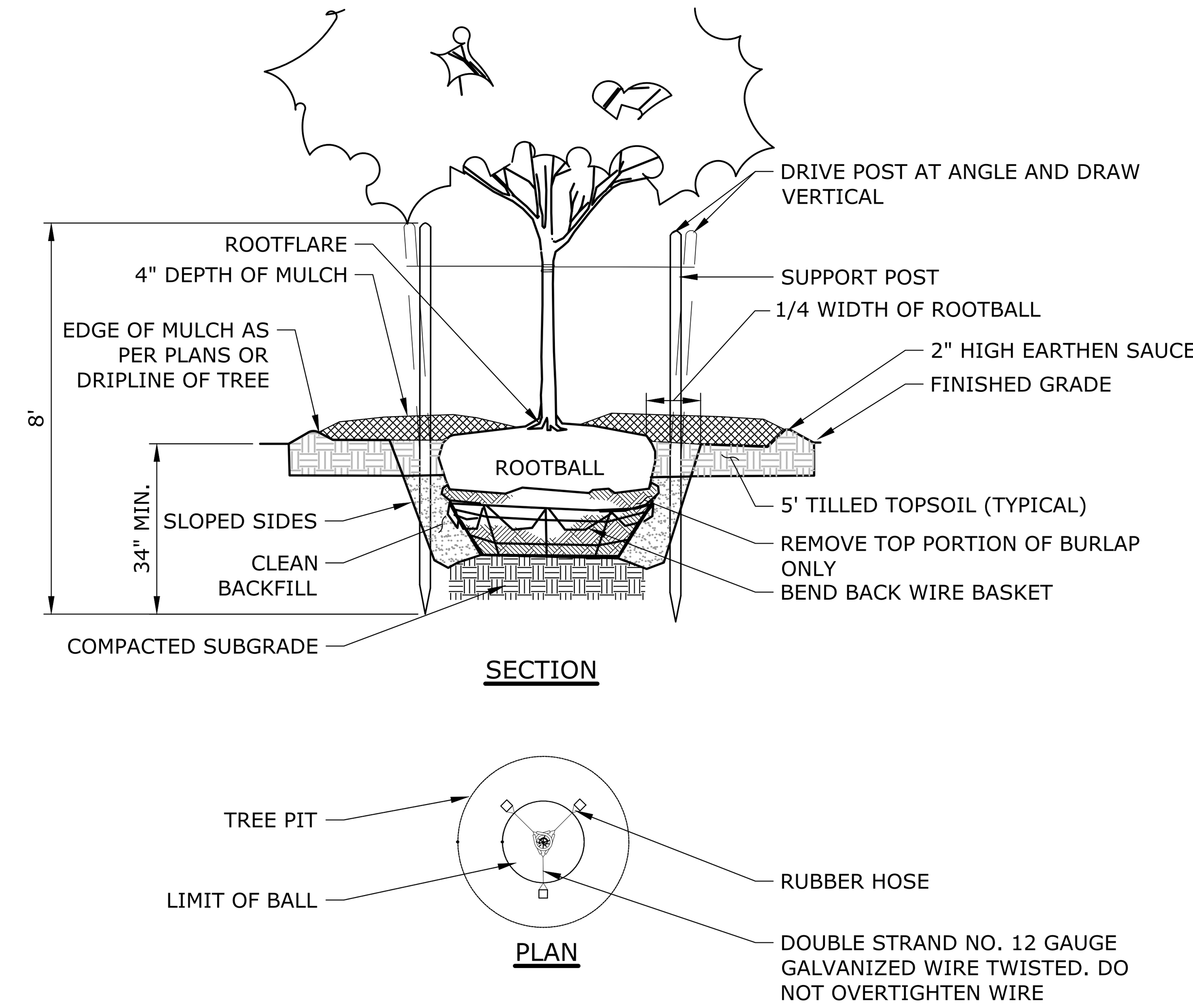
09 OF 14 (SHEET NO.)

SD-1 (SHEET NAME)



TYPICAL LIGHT BOLLARD
NOT TO SCALE

TYPICAL SITE LIGHT (12' HEIGHT)
NOT TO SCALE

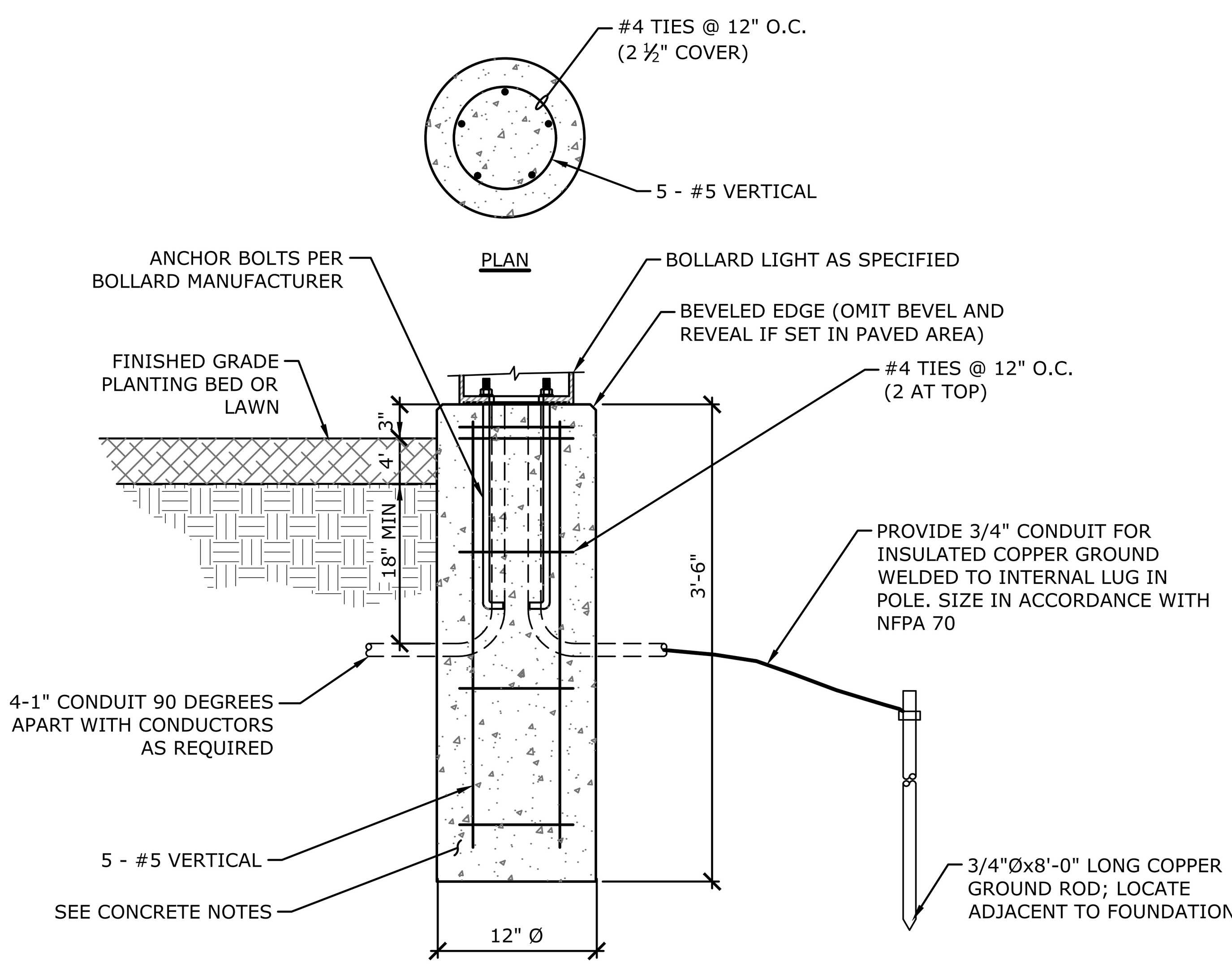


DRIVE POST AT ANGLE AND DRAW VERTICAL
ROOTFLARE
4" DEPTH OF MULCH
SUPPORT POST
1/4 WIDTH OF ROOTBALL
EDGE OF MULCH AS PER PLANS OR DRIPLINE OF TREE
2" HIGH EARTHEN SAUCER
FINISHED GRADE
8'
ROOTBALL
34" MIN.
SLOPED SIDES
5' TILLED TOPSOIL (TYPICAL)
CLEAN BACKFILL
REMOVE TOP PORTION OF BURLAP ONLY
BEND BACK WIRE BASKET
COMPACTED SUBGRADE
SECTION
TREE PIT
LIMIT OF BALL
RUBBER HOSE
DOUBLE STRAND NO. 12 GAUGE GALVANIZED WIRE TWISTED. DO NOT OVERTIGHTEN WIRE
PLAN

NOTE:

1. SUPPORT STAKES SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION.

TREE PLANTING
NOT TO SCALE

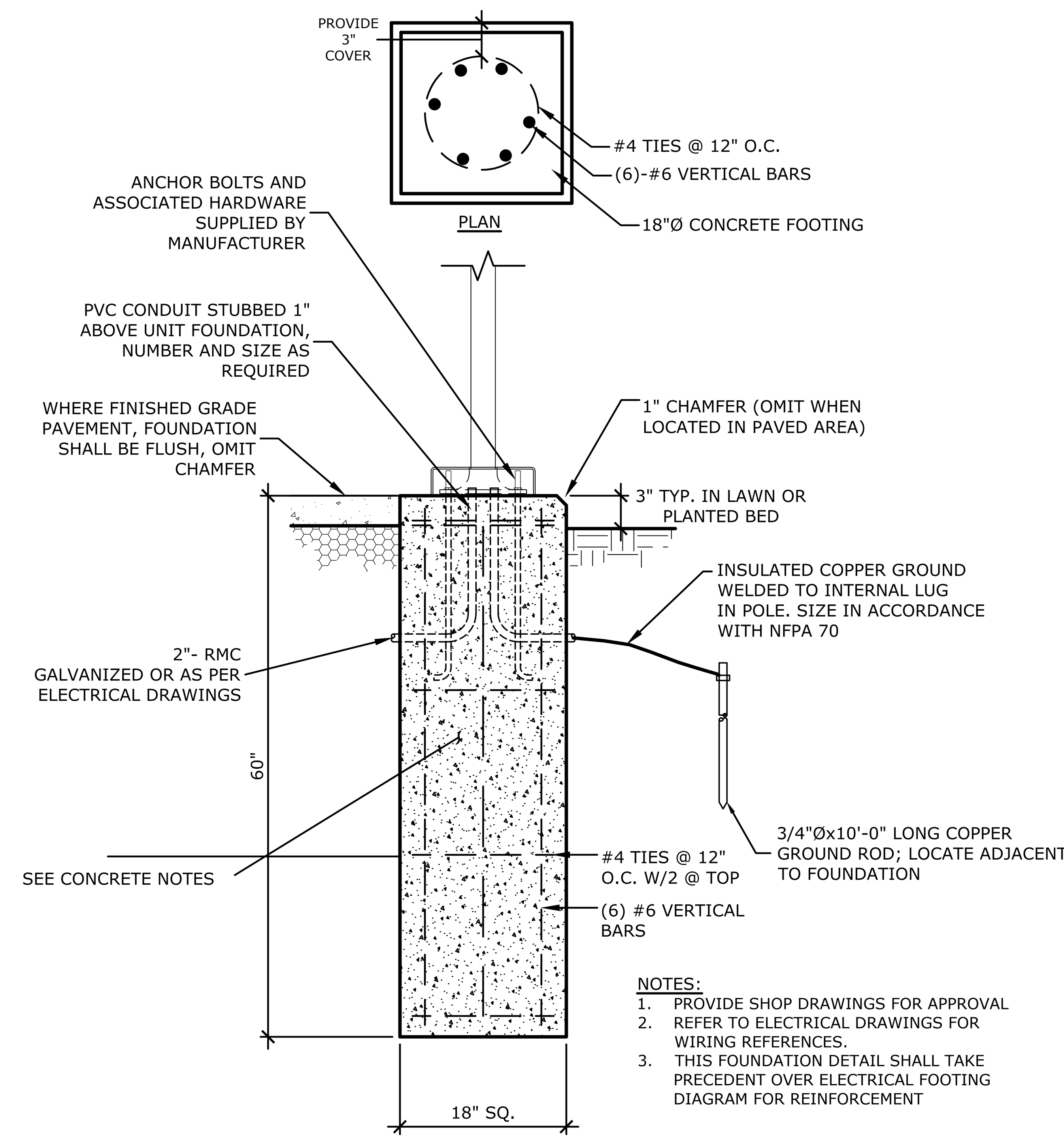


#4 TIES @ 12" O.C. (2 ½" COVER)
5 - #5 VERTICAL
PLAN
ANCHOR BOLTS PER BOLLARD MANUFACTURER
BOLLARD LIGHT AS SPECIFIED
BEVELED EDGE (OMIT BEVEL AND REVEAL IF SET IN PAVED AREA)
FINISHED GRADE PLANTING BED OR LAWN
#4 TIES @ 12" O.C. (2 AT TOP)
3"
18" MIN
3'-6"
PROVIDE 3/4" CONDUIT FOR INSULATED COPPER GROUND WELDED TO INTERNAL LUG IN POLE. SIZE IN ACCORDANCE WITH NFPA 70
4-1" CONDUIT 90 DEGREES APART WITH CONDUCTORS AS REQUIRED
5 - #5 VERTICAL
3/4"Øx8'-0" LONG COPPER GROUND ROD; LOCATE ADJACENT TO FOUNDATION
SEE CONCRETE NOTES
12" Ø

NOTES:

1. CONTRACTOR TO PROVIDE SHOP DRAWING FOR CONCRETE BASE AND BOLT PATTERN. BOLT PATTERN TO BE COORDINATED WITH BOLLARD LIGHT MANUFACTURER
2. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIED FIXTURE
3. PROVIDE CONDUIT WITH CONDUCTORS

TYPICAL BOLLARD LIGHT FOUNDATION DETAIL
NOT TO SCALE

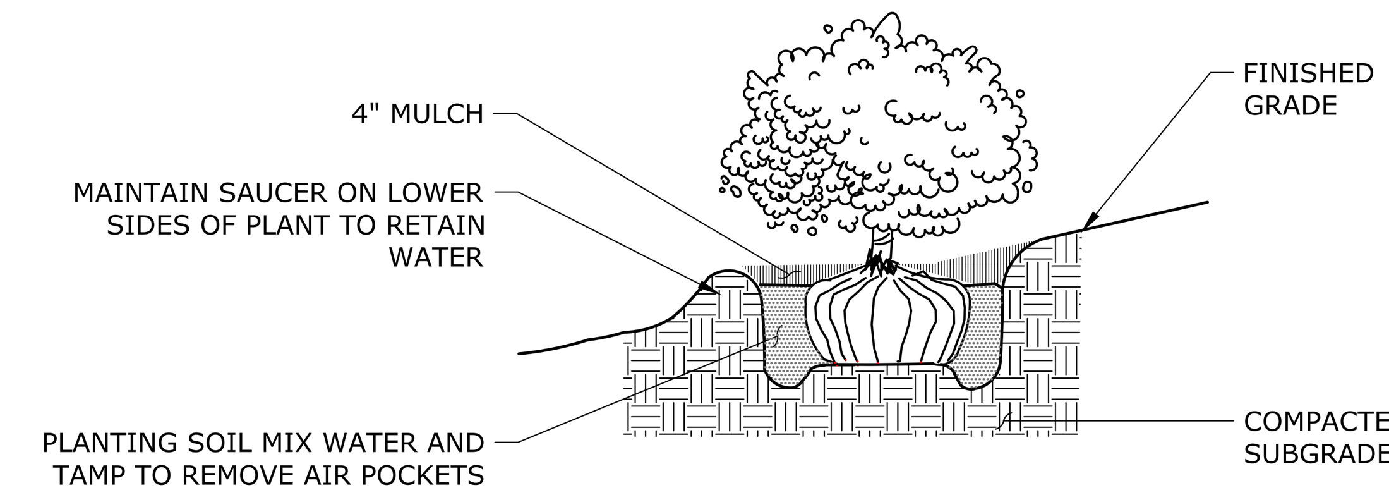


PROVIDE 3" COVER
#4 TIES @ 12" O.C.
(6)-#6 VERTICAL BARS
18"Ø CONCRETE FOOTING
PLAN
ANCHOR BOLTS AND ASSOCIATED HARDWARE SUPPLIED BY MANUFACTURER
PVC CONDUIT STUBBED 1" ABOVE UNIT FOUNDATION, NUMBER AND SIZE AS REQUIRED
WHERE FINISHED GRADE PAVEMENT, FOUNDATION SHALL BE FLUSH, OMIT CHAMFER
1" CHAMFER (OMIT WHEN LOCATED IN PAVED AREA)
3" TYP. IN LAWN OR PLANTED BED
INSULATED COPPER GROUND WELDED TO INTERNAL LUG IN POLE. SIZE IN ACCORDANCE WITH NFPA 70
2"- RMC GALVANIZED OR AS PER ELECTRICAL DRAWINGS
60"
3/4"Øx10'-0" LONG COPPER GROUND ROD; LOCATE ADJACENT TO FOUNDATION
#4 TIES @ 12" O.C. W/2 @ TOP
SEE CONCRETE NOTES
(6) #6 VERTICAL BARS
18" SQ.

NOTES:

1. PROVIDE SHOP DRAWINGS FOR APPROVAL
2. REFER TO ELECTRICAL DRAWINGS FOR WIRING REFERENCES.
3. THIS FOUNDATION DETAIL SHALL TAKE PRECEDENT OVER ELECTRICAL FOOTING DIAGRAM FOR REINFORCEMENT

LIGHT POLE FOUNDATION DETAIL
NOT TO SCALE



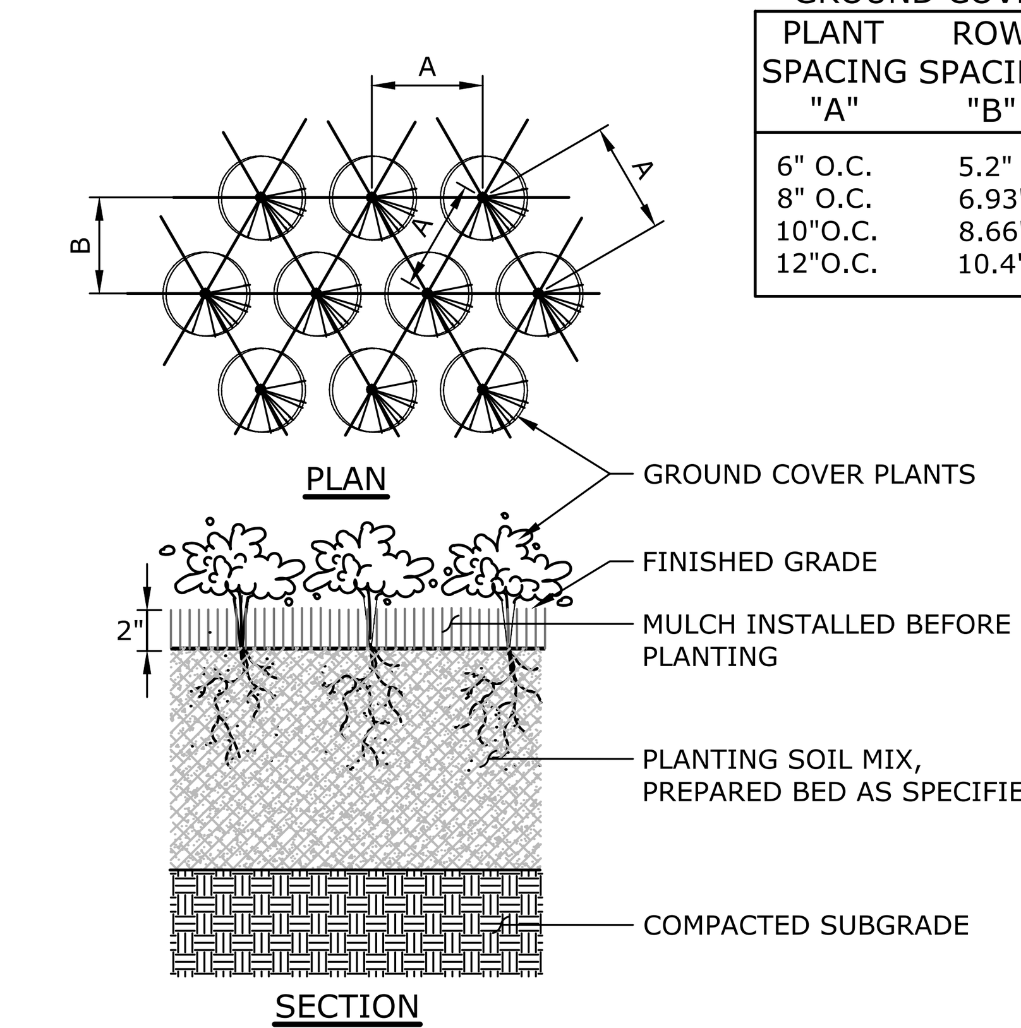
NOTES:

1. UNLESS OTHERWISE DIRECTED SHREDDED MULCH SHALL BE PLACED TO A LIMIT OF ONE FOOT BEYOND THE CENTER OF THE OUTERMOST SHRUBS IN SHRUB BED.

SHRUB PLANTING
NOT TO SCALE

GROUND COVER SPACING TABLE

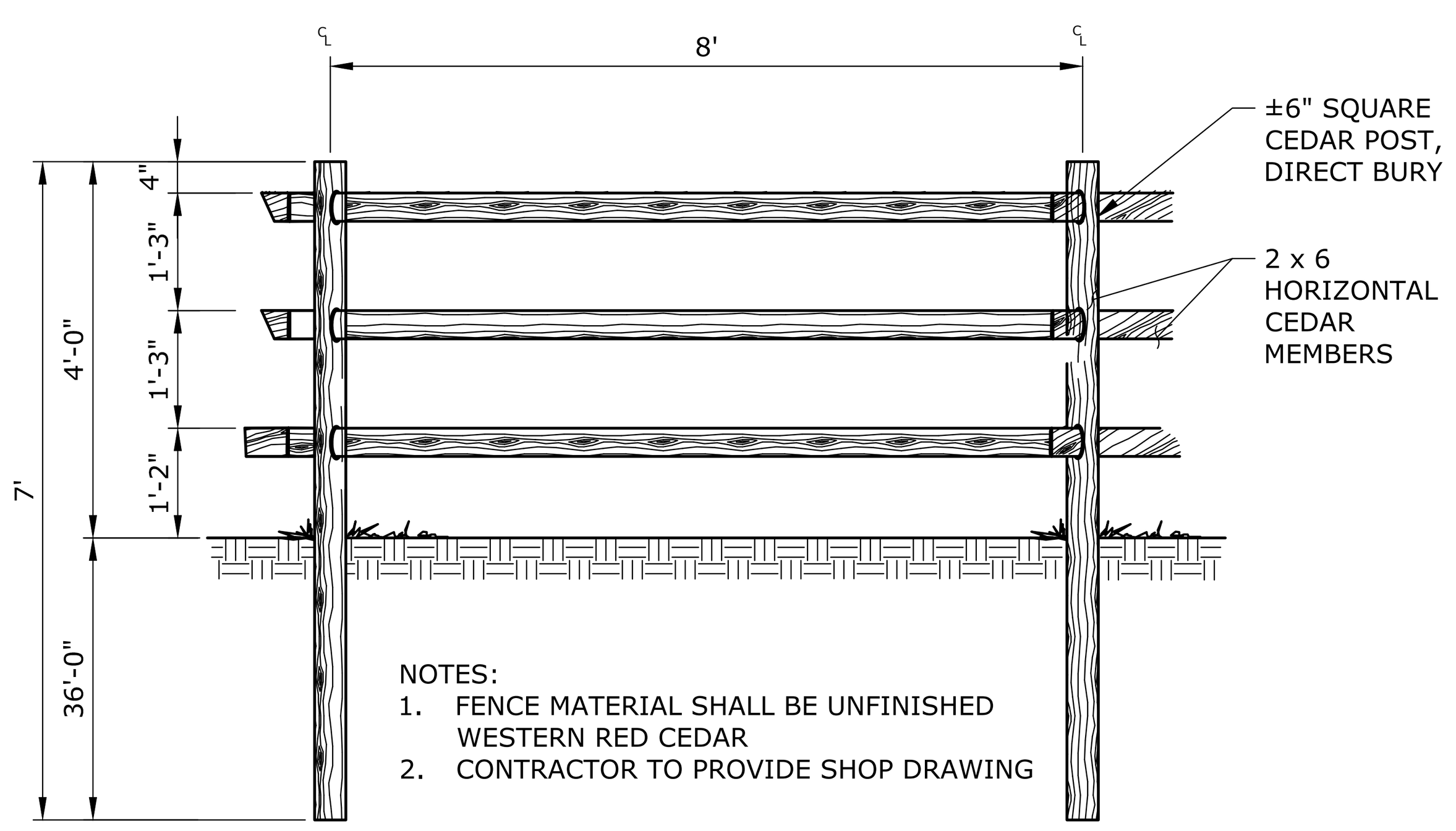
PLANT SPACING "A"	ROW SPACING "B"	NO. OF PLANTS	AREA UNIT
6" O.C.	5.2"	4.61	1 SQ. FT.
8" O.C.	6.93"	2.6	1 SQ. FT.
10"O.C.	8.66"	1.66	1 SQ. FT.
12"O.C.	10.4"	1.15	1 SQ. FT.



NOTES:

1. ALL GROUND COVER TO BE PLANTED IN TRIANGULAR PATTERN. SEE DETAIL PLAN AND GROUND COVER SPACING TABLE.

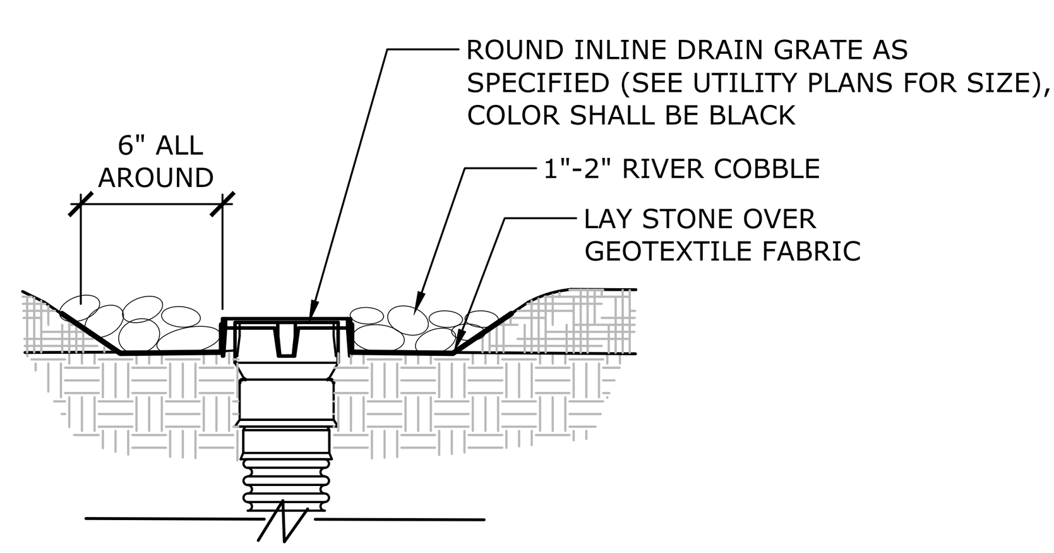
GROUND COVER/ PERENNIAL PLANTING
NOT TO SCALE



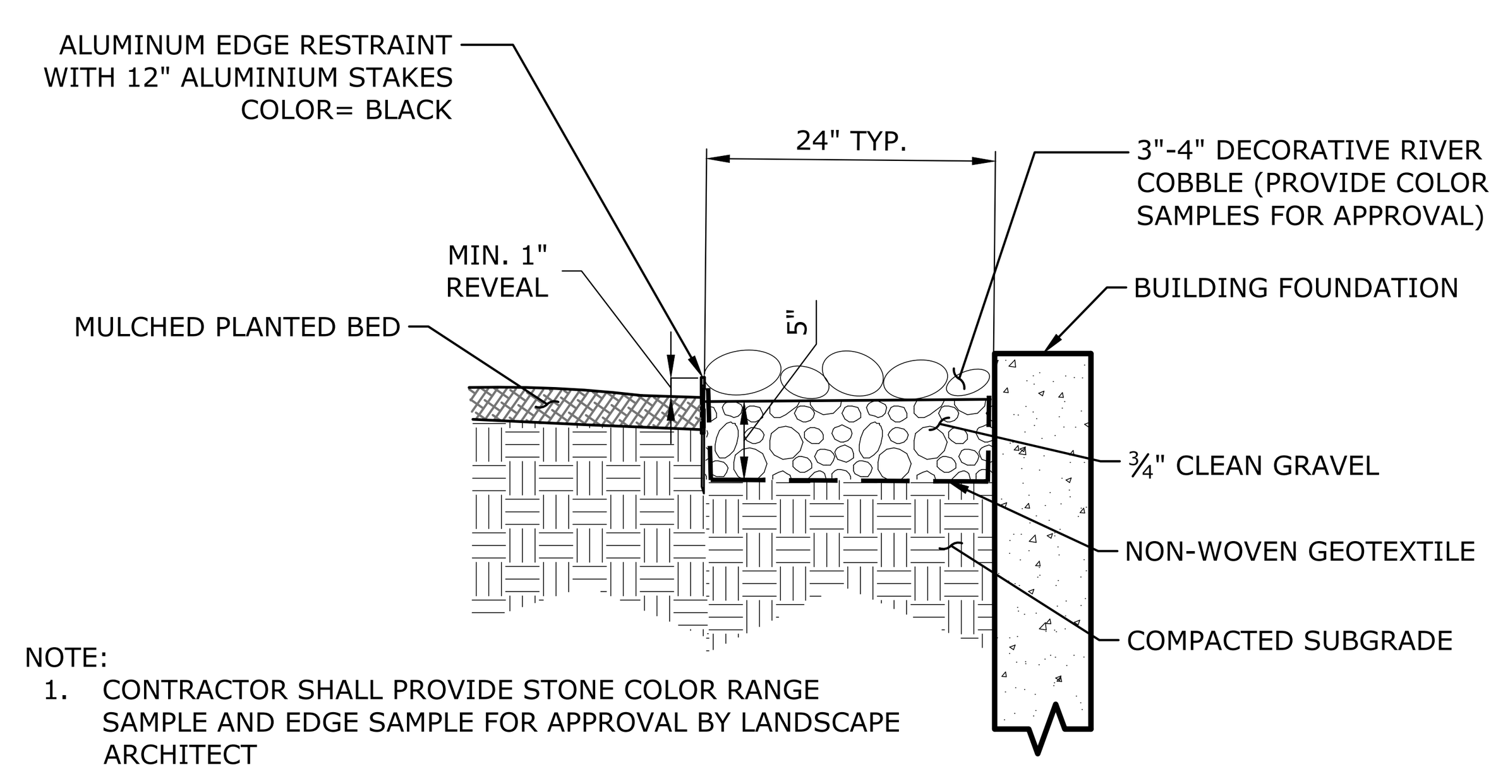
NOTES:

1. FENCE MATERIAL SHALL BE UNFINISHED WESTERN RED CEDAR
2. CONTRACTOR TO PROVIDE SHOP DRAWING

CEDAR 3-RAIL FENCE
NOT TO SCALE



AREA DRAIN GRATE IN LANDSCAPED BED
NOT TO SCALE



ALUMINUM EDGE RESTRAINT WITH 12" ALUMINIUM STAKES COLOR= BLACK
24" TYP.
3"-4" DECORATIVE RIVER COBBLE (PROVIDE COLOR SAMPLES FOR APPROVAL)
MIN. 1" REVEAL
5"
BUILDING FOUNDATION
MULCHED PLANTED BED
¾" CLEAN GRAVEL
NON-WOVEN GEOTEXTILE
COMPACTED SUBGRADE

NOTE:

1. CONTRACTOR SHALL PROVIDE STONE COLOR RANGE SAMPLE AND EDGE SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT
2. ALUMINUM LANDSCAPE EDGING SHALL BE 3500 SERIES, AS MANUFACTURED BY CURV-RITE, OR APPROVED EQUIVALENT

COBBLE MULCH DRIP EDGE
NOT TO SCALE

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DESCRIPTION	DATE	BY

SITE DETAILS

WAKE ROBIN INN REDEVELOPMENT

104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

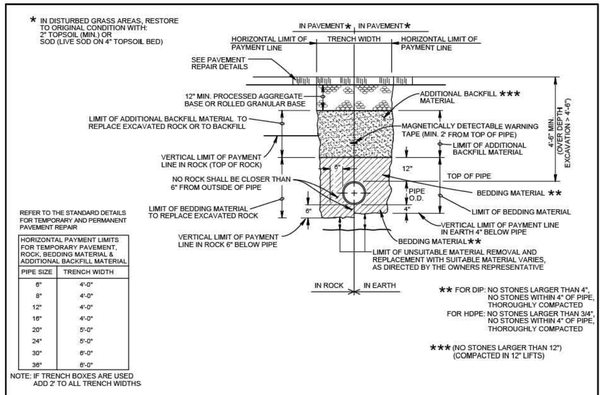
DESIGNED	DRAWN	CHECKED
SM	SM	TR

SCALE: AS NOTED

DATE: JULY 18, 2024

PROJECT NO.: 22100.00001

SHEET NAME: SD-2



REFER TO THE STANDARD DETAILS FOR TEMPORARY AND PERMANENT PAVEMENT REPAIR

HORIZONTAL PAYMENT LIMITS FOR TEMPORARY PAVEMENT, ROCK, BEDDING MATERIAL & ADDITIONAL BACKFILL MATERIAL	
PIPE SIZE	TRENCH WIDTH
6"	4'-0"
8"	4'-0"
12"	4'-0"
16"	4'-0"
20"	5'-0"
24"	5'-0"
30"	6'-0"
36"	6'-0"

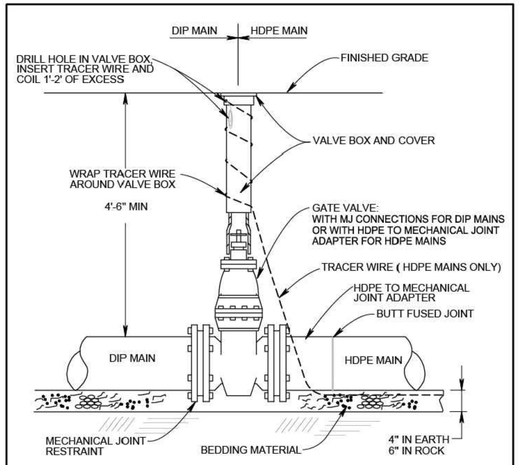
NOTE: IF TRENCH BOXES ARE USED ADD 2' TO ALL TRENCH WIDTHS

AQUARION Water Company — Stewards of the Environment

TYPICAL TRENCH DETAIL

NOT TO SCALE

SD-1



NOTE: ONLY INSTALLED ON MAINS 8" AND SMALLER

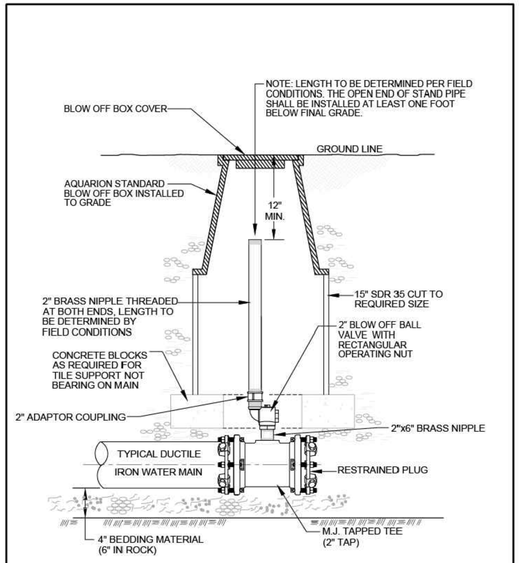
NOTE: FOR CONTINUOUS HDPE MAINS, INSTALL TRACER WIRE UNDER ALL VALVES AND FITTINGS. FOR TERMINATION POINTS, INSTALL TRACER WIRE AROUND VALVE BOXES AS SHOWN ABOVE.

AQUARION Water Company — Stewards of the Environment

GATE VALVE

NOT TO SCALE

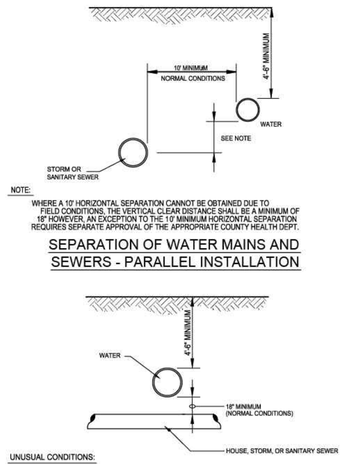
SD-2



AQUARION Water Company — Stewards of the Environment

BLOW-OFF AT DEAD END (DIP)

SD-6



NOTE:
WHERE A 10' HORIZONTAL SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, THE VERTICAL CLEAR DISTANCE SHALL BE A MINIMUM OF 18" HOWEVER, AN EXCEPTION TO THE 10' MINIMUM HORIZONTAL SEPARATION REQUIRES SEPARATE APPROVAL OF THE APPROPRIATE COUNTY HEALTH DEPT.

SEPARATION OF WATER MAINS AND SEWERS - PARALLEL INSTALLATION

UNUSUAL CONDITIONS:
WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE OWNERS REPRESENTATIVE. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE HEALTH DEPARTMENT SHALL BE REQUIRED.

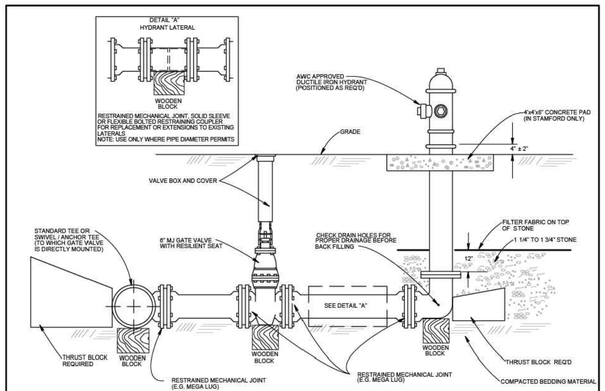
SEPARATION OF WATER MAINS AND SEWER CROSSINGS

AQUARION Water Company — Stewards of the Environment

PIPE INSTALLATION
SEPARATION OF WATER & SEWER CROSSINGS

NOT TO SCALE

SD-19

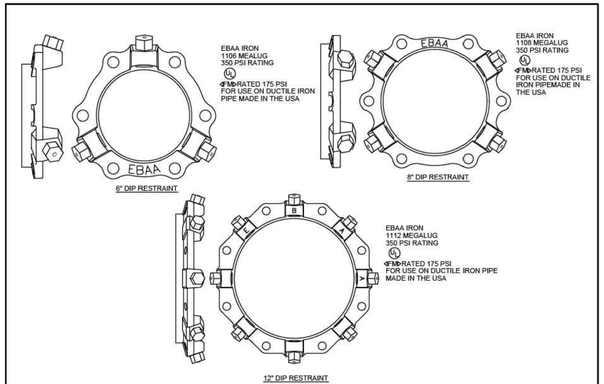


AQUARION Water Company — Stewards of the Environment

HYDRANT ASSEMBLY (DIP)

NOT TO SCALE

SD-8

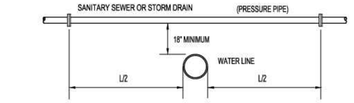


AQUARION Water Company — Stewards of the Environment

DUCTILE IRON PIPE RESTRAINTS

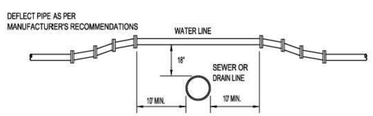
NOT TO SCALE

SD-10



NOTE :
WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING.

CROSSING OF WATER LINE UNDER SANITARY SEWER OR STORM DRAIN



NOTE :
FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING.

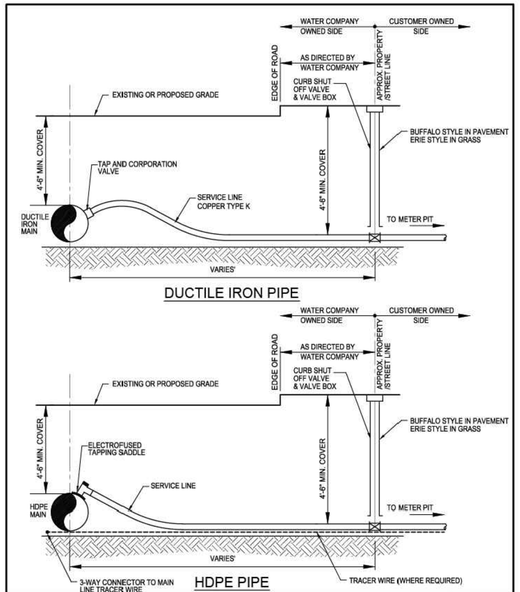
CROSSING OF WATER LINE OVER SANITARY SEWER OR STORM DRAIN

AQUARION Water Company — Stewards of the Environment

PIPE INSTALLATION
CROSSING SANITARY/STORM SEWER

NOT TO SCALE

SD-18



HDPE PIPE

AQUARION Water Company — Stewards of the Environment

PIPE INSTALLATION
WATER SERVICE LINE

NOT TO SCALE

SD-20

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DESCRIPTION | DATE | BY

SITE DETAILS

WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

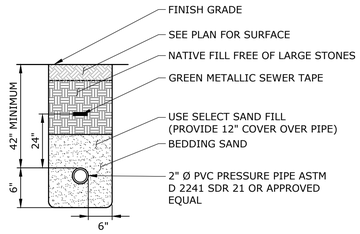
AS NOTED
SCALE

JULY 18, 2024
DATE

22100.00001
PROJECT NO.

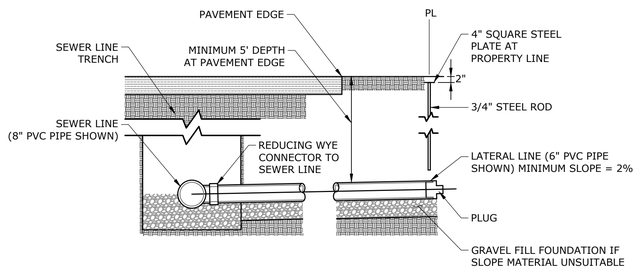
11 OF 14
SHEET NO.

SD-3
SHEET NAME



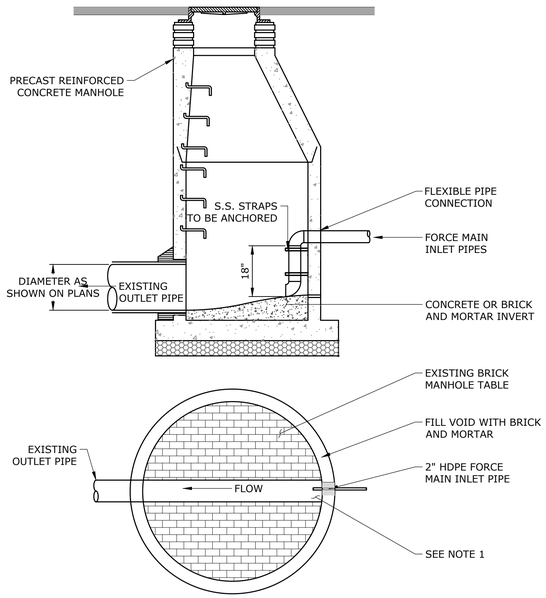
FORCE MAIN TRENCH

NOT TO SCALE



SERVICE LATERAL CONNECTION

NOT TO SCALE

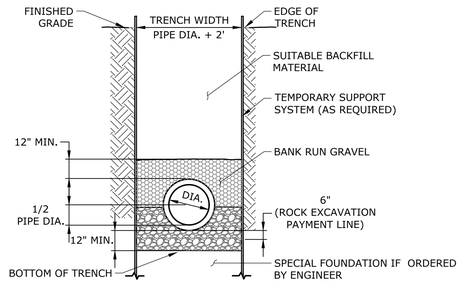


NOTES:

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.

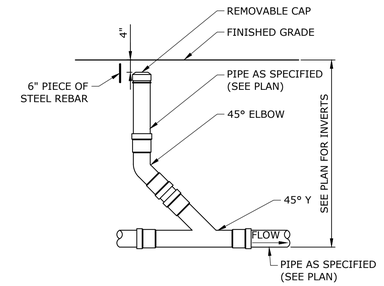
FORCE MAIN CONNECTION TO SEWER MANHOLE

NOT TO SCALE



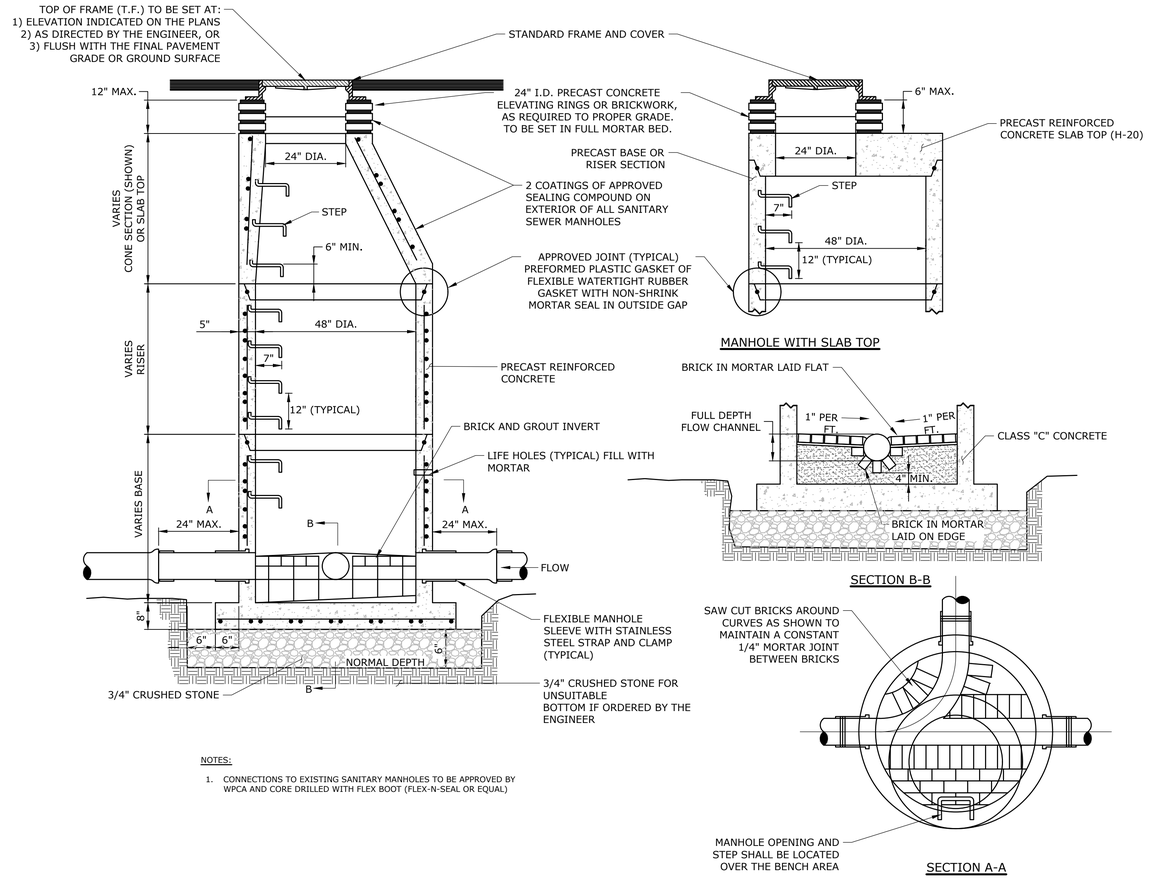
SANITARY SEWER TRENCH

NOT TO SCALE



SANITARY CLEANOUT

NOT TO SCALE



NOTES:

1. CONNECTIONS TO EXISTING SANITARY MANHOLES TO BE APPROVED BY WPCA AND CORE DRILLED WITH FLEX BOOT (FLEX-N-SEAL OR EQUAL)

SANITARY MANHOLE

NOT TO SCALE

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

DESCRIPTION | DATE | BY

SITE DETAILS

WAKE ROBIN INN REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

SM	SM	TR
DESIGNED	DRAWN	CHECKED

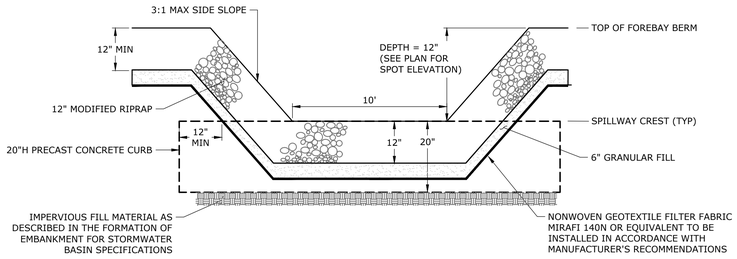
SCALE: AS NOTED

DATE: JULY 18, 2024

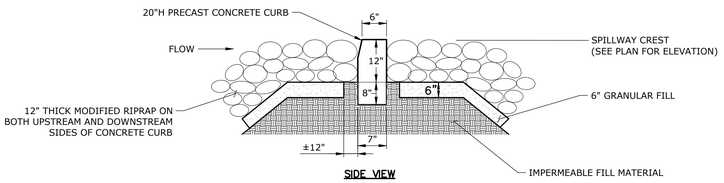
PROJECT NO.: 22100.00001

SHEET NO.: 12 OF 14

SHEET NAME: SD-4



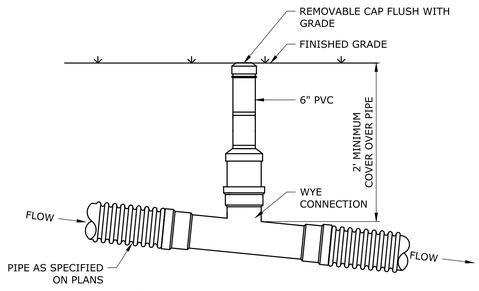
FRONT VIEW



SIDE VIEW

EMERGENCY RIPRAP SPILLWAY

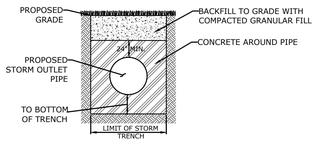
NOT TO SCALE

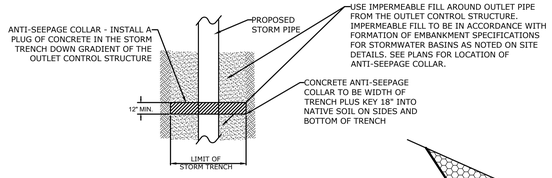


NOTE:
CLEANOUT TO BE INSTALLED OVER ROOF LEADER WYE CONNECTIONS AND BENDS

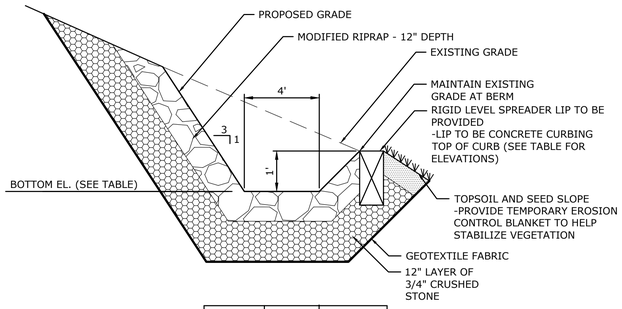
ROOF LEADER CLEANOUT

NOT TO SCALE





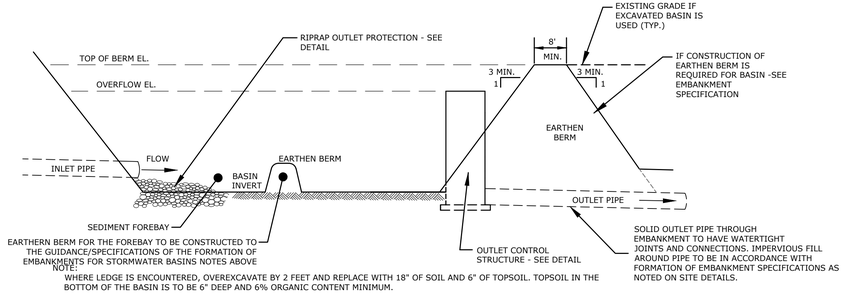
ANTI-SEEPAGE COLLAR



LEVEL SPREADER ID	BOTTOM EL. (FT)	TOP OF CURB EL. (FT)
220	800.0	801.0

LEVEL SPREADER

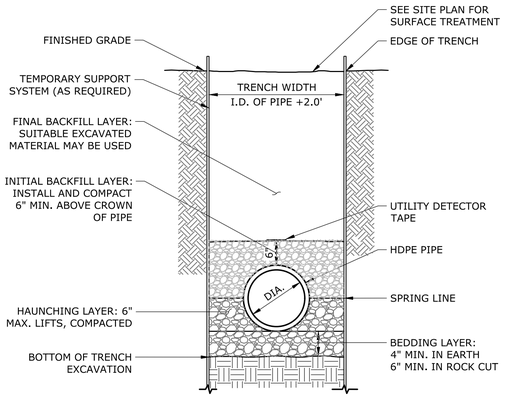
NOT TO SCALE



NOTE:
WHERE LEDGE IS ENCOUNTERED, OVEREXCAVATE BY 2 FEET AND REPLACE WITH 18" OF SOIL AND 6" OF TOPSOIL. TOPSOIL IN THE BOTTOM OF THE BASIN IS TO BE 6" DEEP AND 6% ORGANIC CONTENT MINIMUM.

TYPICAL DETENTION BASIN

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

FORMATION OF EMBANKMENTS FOR STORMWATER BASINS

1. MATERIALS

ALL FILL MATERIALS SHALL BE OBTAINED FROM REQUIRED EXCAVATIONS OR DESIGNATED BORROW AREAS. FILL MATERIAL SHALL CONTAIN NO FROZEN MATERIAL, SOD, BRUSH, ROOTS, OR OTHER ORGANIC MATERIAL. EARTH EMBANKMENTS SHALL CONTAIN NO STONES OR ROCK PARTICLES OVER THREE INCHES IN DIAMETER.

THE MATERIAL USED IN THE CENTER PORTION OF THE EMBANKMENT SHALL BE THE MOST IMPERVIOUS MATERIAL OBTAINED FROM THE BORROW AREAS IF REQUIRED. THE MORE PERVIOUS MATERIALS SHALL BE USED IN THE OUTER PORTION OF THE EMBANKMENT AS SHOWN ON THE PLANS.

A. IMPERVIOUS FILL MATERIALS

IMPERVIOUS FILL 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:

U.S. 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
NO. 200	10-40

2. EMBANKMENT FOUNDATION PREPARATION

AREAS WHERE EMBANKMENTS ARE TO BE FORMED SHALL BE CLEARED AND GRUBBED OF ALL TOPSOIL AND OTHER ORGANIC MATERIALS TO A DEPTH OF AT LEAST 24 INCHES. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS, FOUNDATION AREAS SHALL BE SCARIFIED TO A DEPTH OF THREE INCHES PRIOR TO PLACEMENT OF FILL MATERIAL.

3. PLACEMENT

NO FILL SHALL BE PLACED UNTIL THE FOUNDATION PREPARATION AND EXCAVATIONS IN THE FOUNDATION HAVE BEEN COMPLETED. NO FILL SHALL BE PLACED ON A FROZEN SURFACE NOR SHALL FROZEN MATERIAL BE INCORPORATED.

A. EMBANKMENT

MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS. THE THICKNESS OF LAYERS SHALL BE SIX INCHES. DURING CONSTRUCTION, THE SURFACE OF THE FILL SHALL HAVE A CROWN OR CROSS-SLOPE OF NOT LESS THAN TWO PERCENT. EACH LAYER OR LIFT SHALL EXTEND OVER THE ENTIRE AREA OF THE FILL.

THE FILL SHALL BE FREE FROM LENSES, POCKETS, STREAKS, OR LAYERS OF MATERIAL DIFFERING SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING MATERIAL. THE MORE PERVIOUS MATERIAL SHALL BE PLACED IN THE OUTSIDE PORTION OF THE EMBANKMENT OR AS INDICATED ON THE DRAWINGS. THE FINISHED FILL SHALL BE SHAPED AND GRADED TO THE LINES AND GRADE SHOWN ON THE DRAWINGS.

B. BACKFILL AT THE PIPE OUTLET

BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED THREE INCHES IN THICKNESS AND SHALL BE BROUGHT UP UNIFORMLY AROUND THE OUTLET PIPE AND FLARED END SECTION

4. MOISTURE CONTROL

THE MOISTURE CONTENT OF MATERIALS IN THE EMBANKMENT SHALL BE CONTROLLED TO MEET THE REQUIREMENTS OF SECTION 5, "COMPACTION OF EMBANKMENT." WHEN NECESSARY, MOISTURE SHALL BE ADDED BY USE OF APPROVED SPRINKLING EQUIPMENT. WATER SHALL BE ADDED UNIFORMLY AND EACH LAYER SHALL BE THOROUGHLY DISKED OR HARROWED TO PROVIDE ROPER MIXING. ANY LAYER FOUND TOO WET FOR PROPER COMPACTION SHALL BE ALLOWED TO DRY BEFORE ROLLING. PLACING OR ROLLING OF MATERIAL ON EARTH FILLS WILL NOT BE PERMITTED DURING OR IMMEDIATELY AFTER RAINFALLS WHICH INCREASE THE MOISTURE CONTENT BEYOND THE LIMIT OF SATISFACTORY COMPACTION. THE EARTH FILL SHALL BE BROUGHT UP UNIFORMLY AND ITS TOP SHALL BE KEPT GRADED AND SLOPED SO THAT A MINIMUM OF RAINWATER WILL BE RETAINED THEREON. COMPACTED EARTH FILL DAMAGED BY WASHING SHALL BE ACCEPTABLY REPLACED BY THE CONTRACTOR.

5. COMPACTION

A. EMBANKMENT

EMBANKMENT MATERIAL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY AT NEAR OPTIMUM MOISTURE CONTENT AND BY THE COMPACTION EQUIPMENT SPECIFIED HEREIN. THE COMPACTION EQUIPMENT SHALL TRAVERSE THE ENTIRE SURFACE OF EACH LAYER OF FILL MATERIAL.

APPROVED TAMPING ROLLERS SHALL BE USED FOR COMPACTING ALL PARTS OF THE EMBANKMENTS WHICH THEY CAN EFFECTIVELY REACH. THE CONTRACTOR SHALL DEMONSTRATE THE EFFECTIVENESS OF THE ROLLER BY ACTUAL SOIL COMPACTION RESULTS OF THE SOIL TO BE USED IN THE EMBANKMENT WITH LABORATORY WORK PERFORMED BY AN APPROVED SOIL TESTING LABORATORY.

B. BACKFILL AT OUTLET CONDUIT

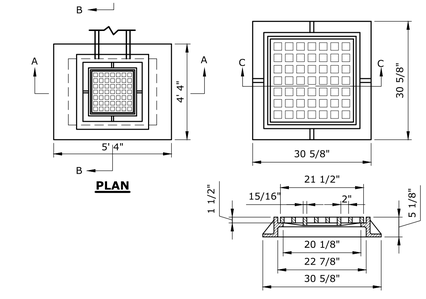
BACKFILL SHALL BE COMPACTED BY HAND TAMPING WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN TWO FEET OF ANY STRUCTURE. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE OUTLET CONDUITS UNTIL THERE IS 24 INCHES OF FILL OVER THE PIPE CONDUITS.

6. FINISHING EMBANKMENTS

THE EMBANKMENTS SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES, GRADES AND CROSS-SECTIONS AS SHOWN ON THE DRAWINGS. THE EMBANKMENTS SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND SURFACES SHALL BE COMPACT AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM. THE CONTRACTOR SHALL CHECK THE EMBANKMENT SLOPES WITH STRING LINES TO INSURE THAT THEY CONFORM TO THE SLOPES GIVEN ON THE PLANS AND ARE UNIFORM FOR THE ENTIRE LENGTH OF THE SLOPE.

7. CONTROL OF WATER

THE PROJECT SITE IS SUBJECT TO HIGH WATER TABLE. THE CONTRACTOR SHALL USE TEMPORARY PIPES OR PUMPS TO ASSURE PLACEMENT OF SELECT FILL IN DRY CONDITIONS.

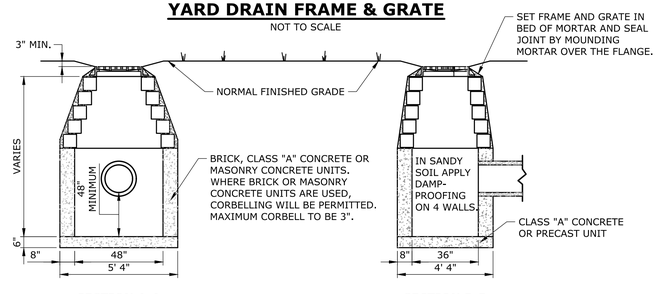


NOTES:

1. YARD DRAIN FRAMES & GRATES SHALL BE PATTERN #R-3404 AS MANUFACTURED BY THE "NEENAH FOUNDRY COMPANY" OF NEENAH, WISCONSIN, OR APPROVED EQUAL.

YARD DRAIN FRAME & GRATE

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 OUTLETTING FROM THE CATCH BASIN.

YARD DRAIN

NOT TO SCALE

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

DESCRIPTION	DATE	BY

SITE DETAILS

WAKE ROBIN INN REDEVELOPMENT

104 & 106 SHARON ROAD SALISBURY, CONNECTICUT

SM DESIGNED	SM DRAWN	TR CHECKED

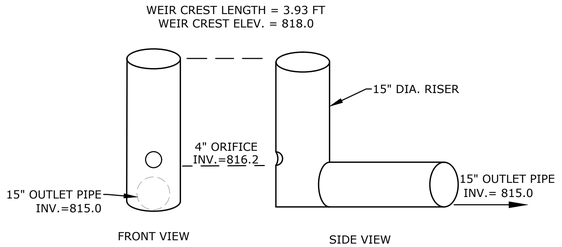
AS NOTED — SCALE

JULY 18, 2024 — DATE

22100.00001 — PROJECT NO.

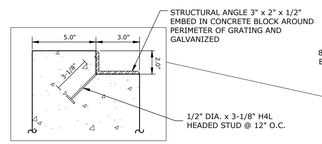
13 OF 14 — SHEET NO.

SD-5 — SHEET NAME

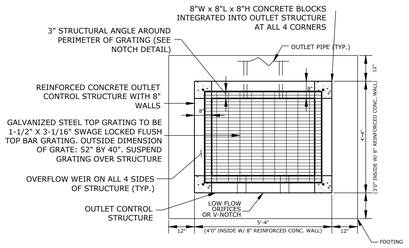


INTERNAL OUTLET CONTROL STRUCTURE
UNDERGROUND DETENTION SYSTEM 120

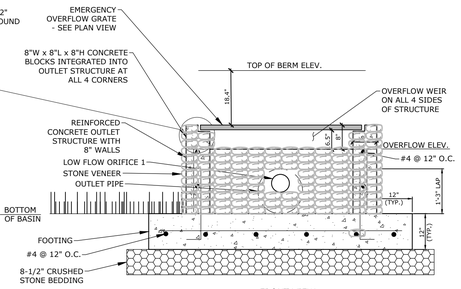
NOT TO SCALE



NOTCH DETAIL
N.T.S.

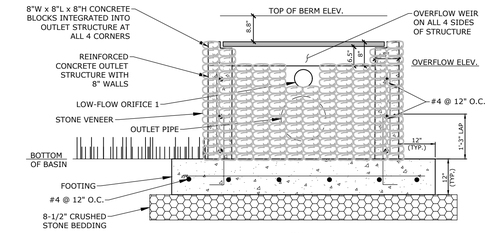


PLAN VIEW
N.T.S.



FRONT VIEW

	DET 210
TOP OF BERM ELEVATION	818.0
OVERFLOW ELEVATION	816.8
100-YEAR WATER SURFACE ELEV.	817.9
LOW FLOW ORIFICE 1 DIAMETER	6"
LOW FLOW ORIFICE 1 INVERT	815.6
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	815.0
BASIN BOTTOM ELEVATION	815.0



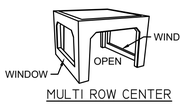
FRONT VIEW

	DET 220
TOP OF BERM ELEVATION	804.0
OVERFLOW ELEVATION	802.6
100-YEAR WATER SURFACE ELEV.	802.9
LOW FLOW ORIFICE 1 DIAMETER	6"
LOW FLOW ORIFICE 1 INVERT	802.0
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	800.5
BASIN BOTTOM ELEVATION	800.0

DETENTION BASIN OUTLET CONTROL STRUCTURES

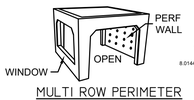
SCALE: 1"=2'

MULTI ROW CENTER



MULTI ROW CENTER

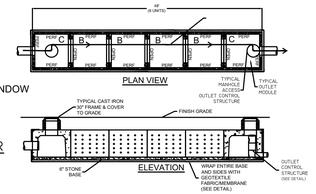
MULTI ROW PERIMETER



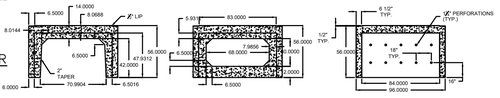
MULTI ROW PERIMETER

MULTI ROW CORNER

MULTI ROW CORNER



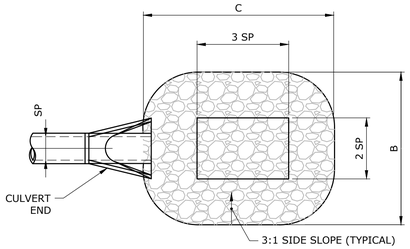
TYPICAL DETENTION /RETENTION



TYPICAL 4' UNIT DIMENSIONS

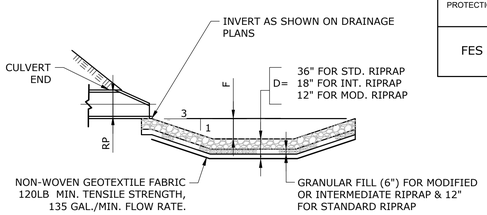
RETAIN-IT 4-FT CHAMBERS

NOT TO SCALE



PLAN

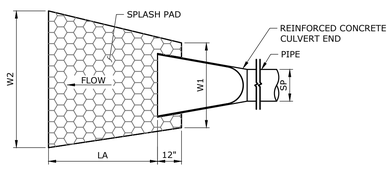
OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	C (FT)	B (FT)	F (FT)	D (IN)
FES 1	MODIFIED TYPE 1	1.0	1.0	6.0	5.0	0.5	12



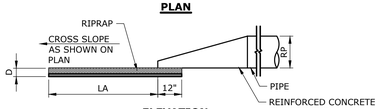
ELEVATION

RIPRAP PREFORMED SCOUR HOLE

NOT TO SCALE



PLAN

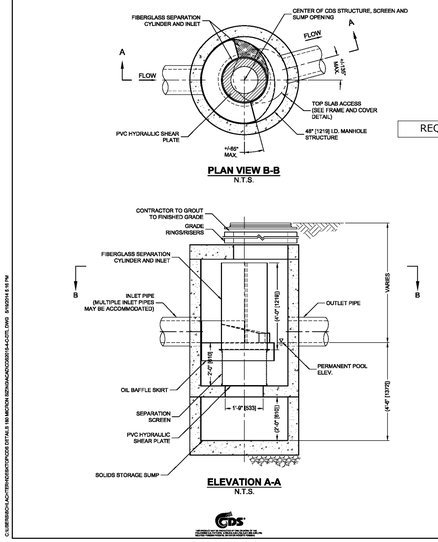


ELEVATION

OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	LA (FT)	W1 (FT)	W2 (FT)	D (IN)
FES 12	MODIFIED TYPE B	1.0	1.0	12.0	3.0	8.0	12
FES 23	MODIFIED TYPE B	0.67	0.67	10.0	2.0	6.0	12

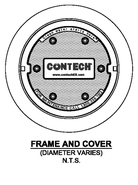
FLARED END WITH RIP RAP SPLASH PAD

NOT TO SCALE



PLAN VIEW B-B
N.T.S.

ELEVATION A-A
N.T.S.



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

REQUIRED TREATMENT FLOW RATE = 0.59 CFS

CDS2015-4-C DESIGN NOTES

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID			*
WATER QUALITY FLOW RATE (CFS OR L/s)			*
PEAK FLOW RATE (CFS OR L/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
SCREEN APERTURE (2400 OR 4700)			*
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contech-cpi.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET H520 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ACID JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC
www.contech-cpi.com
8025 Centre Park Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS2015-4-C
INLINE CDS
STANDARD DETAIL

CONTECH CDS 2015-4-C

NOT TO SCALE

TEST PIT LOGS

OBSERVED & DOCUMENTED BY: TODD RITCHIE, P.E.
DATE: JUNE 21, 2024

TP-1

0-5" TOPSOIL
5-70" BROWN SILT LOAM
70-115" ORANGE/BROWN FINE SAND
NO LEDGE
NO GROUNDWATER
REDOX-70"
TUBE SAMPLE-32"

TP-2
0-42" TOPSOIL/FILL
42-44" ORIG. TOPSOIL
44-80" BROWN SILT LOAM
LEDGE-80"
NO GROUNDWATER
NO REDOX
TUBE SAMPLE-60"

TP-3
0-3" GRAVEL
3-24" SAND AND GRAVEL
24-100" GREY SAND/SILT (COMPACT)
NO LEDGE
GROUNDWATER-64"
REDOX-24"
TUBE SAMPLE-32"

TP-4
0-5" TOPSOIL
5-36" BROWN SANDY LOAM
5-72" GREY SAND/SILT/GRAVEL (COMPACT)
LEDGE-72"
GROUNDWATER-36"
REDOX-36"

TP-5
0-2" ORGANIC/LEAF LITTER
2-56" BROWN SANDY LOAM
LEDGE-80"
NO GROUNDWATER
NO REDOX
TUBE SAMPLE-26"

TP-6
0-2" ORGANIC/LEAF LITTER
2-12" BROWN SANDY LOAM
LEDGE-12"
NO GROUNDWATER
NO REDOX

TP-7
0-2" ORGANIC/LEAF LITTER
2-36" BROWN SANDY LOAM
36-52" TAN SAND
LEDGE-52"
NO GROUNDWATER
NO REDOX
TUBE SAMPLE-18"

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

DESCRIPTION | DATE | BY

SITE DETAILS

WAKE ROBIN INN
REDEVELOPMENT
104 & 106 SHARON ROAD
SALISBURY, CONNECTICUT

MB	MB	TR
DESIGNED	DRAWN	CHECKED

SCALE: AS NOTED

DATE: JULY 18, 2024

PROJECT NO.: 22100.00001

SHEET NO.: 14 OF 14

SHEET NAME: SD-6