

3. BOUNDARY INFORMATION IS BASED UPON A MAP ENTITLED "PROPERTY SURVEY / TOPOGRAPHIC SURVEY, PREPARED FOR: HENDELS, INC. 969 HARTFORD TURNPIKE (ROUTE 85) WATERFORD, CONNECTICUT." DATED: MARCH 30, 2017, PREPARED BY MILONE & MACBROOM, INC.
2. PLANIMETRIC FEATURES AND CONTOURS ARE BASED UPON AERIAL PHOTOGRAMMETRIC MAPPING PREPARED BY GOLDEN AERIAL SURVEYS, INC. (PHOTOS DATED: 02/27/17)
3. NORTH REFERS TO THE CONNECTICUT COORDINATE SYSTEM (NAD 1983). ELEVATIONS REFER TO THE NAVD83 VERTICAL DATUM.
4. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION, 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 ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
6. 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.
7. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL, AND BE SEEDED WITH GRASS OR SODDED, AS SHOWN ON THE PLANS.
8. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
9. THE PROPOSED BUILDINGS ARE TO BE SERVED BY PUBLIC WATER AND SANITARY SEWER.
10. ALL GRAVITY SANITARY SEWER PIPE SHALL BE PVC SDR35 UNLESS OTHERWISE INDICATED. PROPOSED CONNECTIONS TO EXISTING SANITARY STRUCTURES SHALL BE IN ACCORDANCE WITH TOWN OF WATERFORD STANDARDS.
11. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
12. PLANS PREPARED FOR REGULATORY APPROVAL ONLY.
13. WETLAND FLAGS WERE SET AND FIELD LOCATED BY MILONE & MACBROOM, INC. MARCH 2017.

- PHASE I - CONSTRUCTION STAGING AREA, ROCK PROCESSING AREA, DRIVEWAY AND ASSOCIATED UTILITIES, STORMWATER BASINS 100, 110, 120.
1. 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.
2. CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE AND VEGETATION TO BE RETAINED.
3. INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS.
4. REMOVE STUMPS AND STRIP TOPSOIL IN CONSTRUCTION STAGING AREA AND ALONG CONSTRUCTION ACCESS ROADS. SOIL IS TO BE STOCKPILED AND SURROUNDED BY SEDIMENT FILTER FENCE AND HAY BALES.
5. INSTALL DIVERSION BERMS AND SEDIMENT TRAPS PER THE SEDIMENT AND EROSION CONTROL PLAN FOR THIS PHASE. TEMPORARY SEDIMENT TRAPS AND DIVERSION BERMS AND SWALES ARE TO BE CONSTRUCTED PRIOR TO EACH PHASE OF GRADING AND MODIFIED AS NECESSARY TO FUNCTION. CLEAN TEMPORARY SEDIMENT TRAPS PER THE MAINTENANCE INTERVALS OR SOONER, IF NECESSARY.
6. INSTALL OUTFALL SCOUR HOLES AND SPLASH PADS. BEGIN PIPE INSTALLATION UPGRADE/FROM OUTFALLS.
7. INITIATE MASS EARTHWORK OPERATIONS FOR ROCK PROCESSING AREA, AND CONSTRUCTION OF ROAD.
8. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
9. INSTALL ROAD UTILITIES AND CURBS UP TO DETENTION BASIN 130. PLACE PERMANENT SEEDING AT AREAS THAT WILL NO LONGER BE DISTURBED DUE TO CONSTRUCTION.
10. CLEAN STORM DRAINAGE SYSTEM OF ALL SEDIMENT AND DEBRIS. FINISH GRADE BOTTOM OF STORMWATER BASINS AND OUTLET CONTROLS CREATING FOREBAYS.
11. COMPLETE PLANTING AND PERMANENT STABILIZATION OF STORMWATER MANAGEMENT BASINS AND OUTLETS.
12. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MODIFIED BY THE CONTRACTOR AS NECESSITATED BY CHANGING SITE CONDITIONS OR AT THE DIRECTION OF THE ENGINEER AND/OR DESIGNATED TOWN REPRESENTATIVE.
13. ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS
14. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.

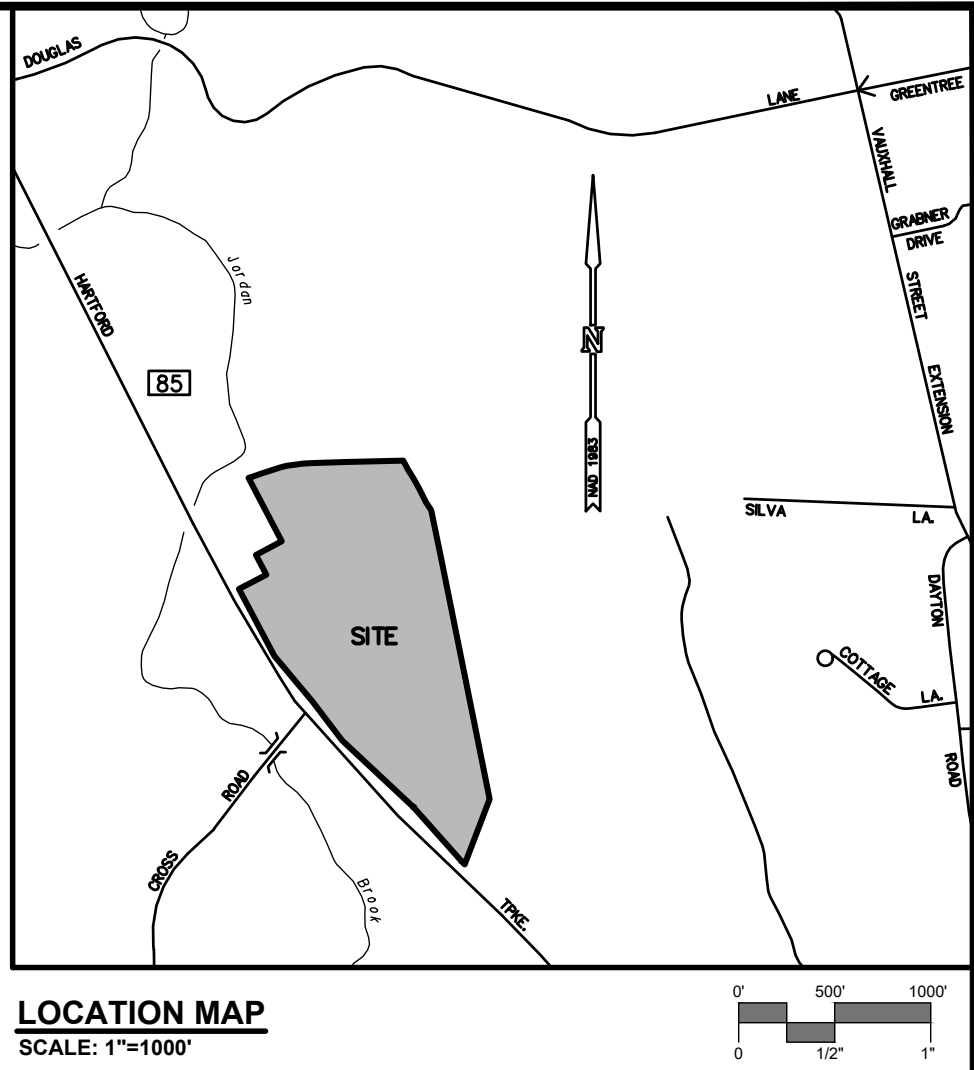
1. INSTALL TEMPORARY SEDIMENT TRAP(S) FOR THIS PHASE. DISTURBED WORK AREAS TO BE LIMITED TO 5 ACRES OR LESS WITH RUNOFF CONTROLLED TO A TEMPORARY SEDIMENT TRAP.
2. CONSTRUCT TEMPORARY ACCESS ROADS TO WORK AREAS.
3. REMOVE STUMPS AND STRIP TOPSOIL IN WORK AREAS. STOCKPILE AND SURROUND BY SEDIMENT FILTER FENCE AND HAY BALES.
4. BEGIN MASS EXCAVATION OF BASINS AND FORMATION OF EMBANKMENTS. CONSTRUCT BASINS, OUTLET STRUCTURES AND STABILIZE AS SOON AS POSSIBLE.
5. INITIATE MASS EARTHWORK OPERATIONS IN WORK AREAS TO APPROACH ROUGH SUBGRADE.
6. BEGIN EXCAVATION FOR BUILDING FOUNDATIONS. BEGIN CONCRETE WORK FOR FOOTINGS AND FOUNDATION WALLS IN COUNTERCLOCKWISE SEQUENCE FROM SOUTH TO NORTH OR AS DESIGNATED BY OWNER.
7. AS FOUNDATION WALLS ARE UP THE BUILDING FOOTPRINTS ARE PERMANENTLY STABILIZED, BEGIN INSTALLING UNDERGROUND UTILITIES FOR EACH BUILDING.
8. INSTALL REMAINING UTILITIES UNDER AND AROUND PARKING AREAS. PLACE BINDER COURSE OF PAVEMENT AS BASE COURSE IS BROUGHT UP TO GRADE.
9. COMPLETE ALL SITE IMPROVEMENTS.
10. PLACE PERMANENT SEEDING AT AREAS DISTURBED DUE TO CONSTRUCTION AND INSTALL PLANTINGS.
11. CLEAN STORM DRAINAGE SYSTEM OF ALL SEDIMENT AND DEBRIS. FINISH GRADE BOTTOM OF STORMWATER BASINS AND OUTLET CONTROLS CREATING FOREBAYS.
12. COMPLETE ALL PLANTINGS AND PERMANENT STABILIZATION OF STORMWATER MANAGEMENT BASINS AND OUTLETS.
13. REMOVE ALL TEMPORARY SEDIMENTATION AND SOIL EROSION CONTROL MEASURES.
14. CLEAN AND SWEEP ALL PAVED SURFACES TO PREPARE FOR FINAL PAVING.
15. PLACE FINAL COURSE OF BITUMINOUS PAVEMENT.
16. INSTALL ALL PAVEMENT MARKINGS, SIGNAGE, LIGHTING, AND SITE FURNITURE.

969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

Site plan of the Hartford Turnpike (Route 85) interchange. The plan shows a complex interchange with multiple lanes and ramps. A large area is labeled "OPEN SPACE". The interchange is bordered by "HARTFORD TURNPIKE (ROUTE 85)" and "CROSS ROAD". The plan is divided into two sections: "SHEETS LA-1, GR-1, UT-1, SE-1" and "SHEETS LA-2, GR-2, UT-2, SE-2". A north arrow is located in the top right corner.

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HENDELS, INC.
35 GREAT NECK RD.
WATERFORD, CT 06385



EXISTING ZONE:	COMMERCIAL MULTI-FAMILY DISTRICT (C-MF)
PROPOSED USE:	MULTIFAMILY RESIDENTIAL DEVELOPMENT - APARTMENT COMMUNITY

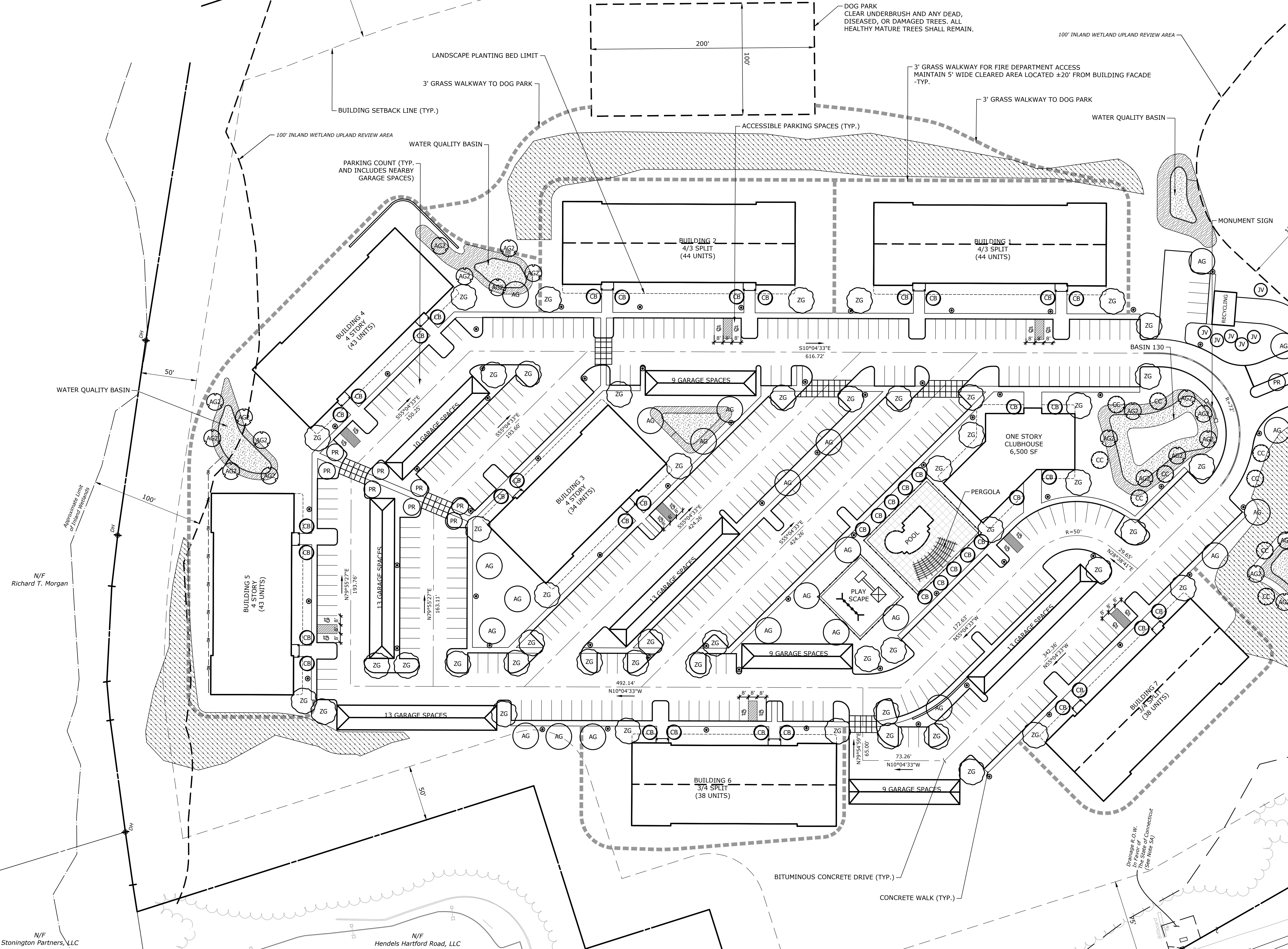
ZONING DATA TABLE	REQUIRED	EXISTING	PROVIDED
MIN LOT AREA (SQ. FT.)	60,000	1,548,165	1,548,165
MIN LOT FRONTAGE (FEET)	250	1,866	1,866
DENSITY	8 UNITS PER ACRE	0	8.0 (284 units/35.5 acres)
MAX LOT COVERAGE-The total aggregate building area	25%	0	7.8%
MIN FRONT YARD (FEET)	75	N/A	>75
MIN REAR YARD* (FEET)	75	N/A	>75
MIN SIDE YARD** (FEET)	50	N/A	>75
Open Space	20%	N/A	39%
MIN BUILDING SEPARATION (FEET)	30	N/A	103
MAX DWELLING UNITS PER BUILDING	40**	N/A	44
MAX HEIGHT OF STRUCTURE** (FEET)		N/A	<55
LANDSCAPING (SQ. FT)		N/A	>155,000
PARKING		N/A	500
Dwelling Unit Mixture and Floor Area Requirements		N/A	2 OR MORE BEDS = 45% 3 OR MORE BEDS

*minimum side and rear yard setbacks may be increased to not more than double these minimum requirements if the Commission determines that such additional separation is required in order to adequately buffer a proposed multi-family development from adjacent properties.

***In the C-MF District, the Commission may approve one (1) additional foot of building height for each one (1) foot of provided (a) additional separation distance between buildings over the 30 feet required by this section AND (b) additional setback distance from an abutting residentially zoned property beyond the setback distances required by Section 18.3.4. In no event shall the building height exceed 55 feet or four (4) stories.

SHEET NUMBER	SHEET NAME	SHEET TITLE
01	TITLE	TITLE
02	LA-1	SITE PLAN - LAYOUT & LANDSCAPING
03	LA-2	SITE PLAN - LAYOUT & LANDSCAPING
04	GR-1	SITE PLAN - GRADING
05	GR-2	SITE PLAN - GRADING
06	UT-1	SITE PLAN - UTILITIES
07	UT-2	SITE PLAN - UTILITIES
08	RP	ROADWAY PLAN AND PROFILE
09	SE-1	SEDIMENT AND EROSION CONTROL PLAN - PHASE I
10	SE-2	SEDIMENT AND EROSION CONTROL PLAN - PHASE II
11	SE-3	SEDIMENT & EROSION CONTROL DETAILS
12	SE-4	SEDIMENT & EROSION CONTROL DETAILS
13	SD-1	SITE DETAILS
14	SD-2	SITE DETAILS
15	SD-3	SITE DETAILS
16	SD-4	SITE DETAILS
17	SD-5	SITE DETAILS
18	SD-6	SITE DETAILS

NOTE: SEE GENERAL NOTES AND
LEGEND ON SHEET LA-2



DESCRIPTION	DATE	BY

SITE PLAN - LAYOUT & LANDSCAPING
WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

VEH/BK	VEH/BK	DLO
DESIGNED	DRAWN	CHECKED
SCALE	1"=40'	
DATE	SEPTEMBER 20, 2021	
PROJECT NO.	5901-04	
SHEET NO.	02 OF 18	

LA-1

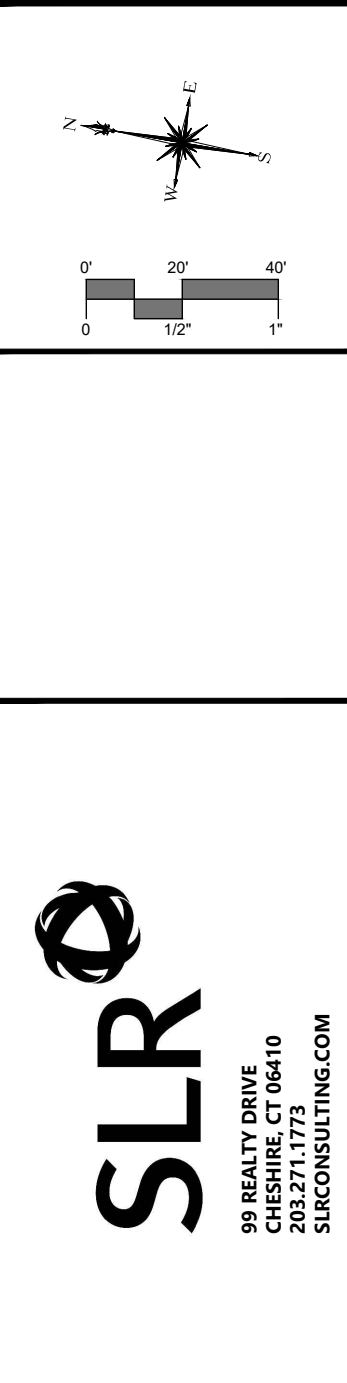
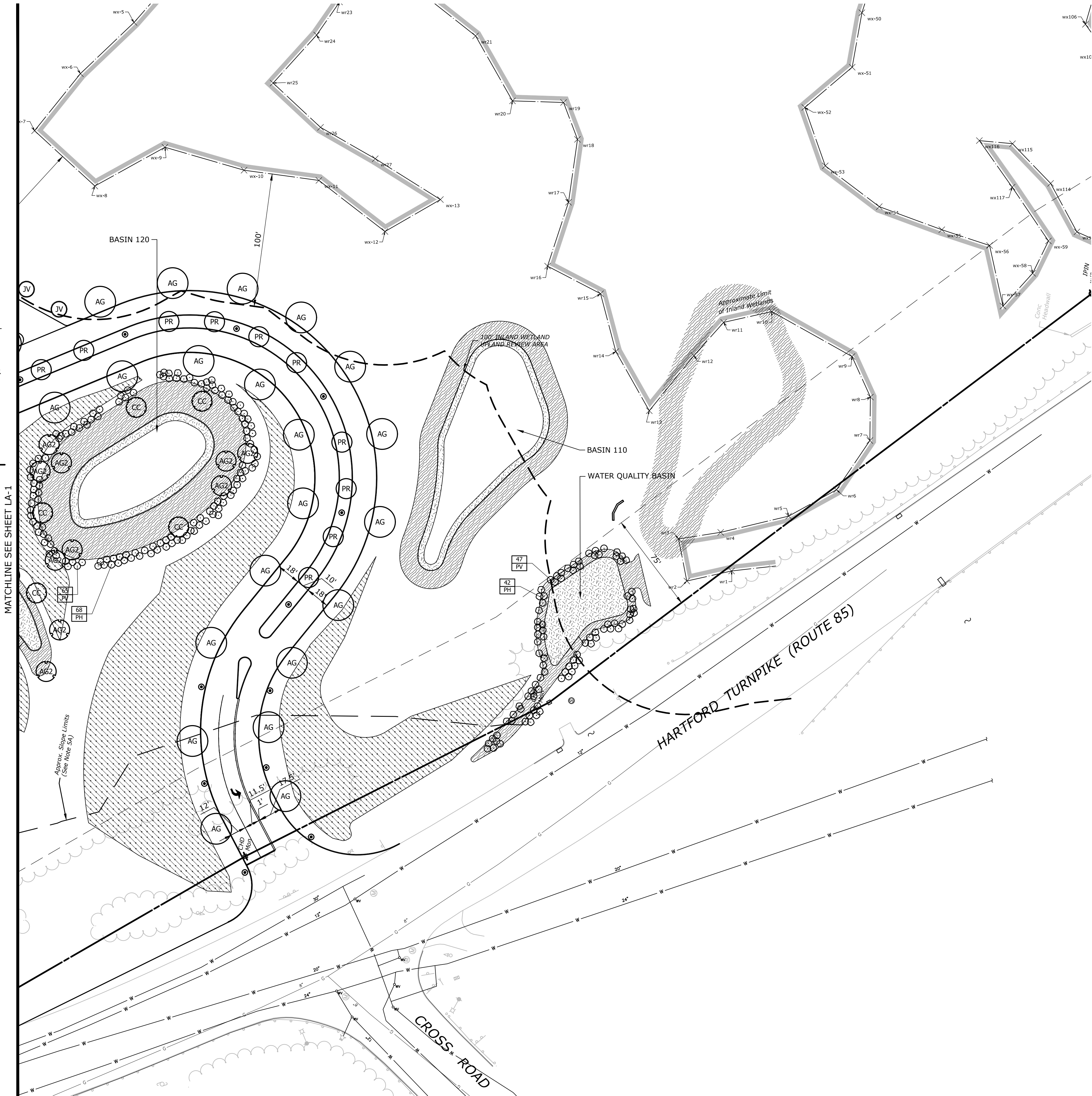
1. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. FOR DETAILED INFORMATION PERTAINING TO PROPOSED BUILDINGS REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
3. IN ALL CASES IN WHICH PROPOSED ROADS, SIDEWALKS AND CURBING WILL BE TIED INTO EXISTING ROAD/SIDEWALK AND/OR CURBS THE CONTRACTOR SHALL MATCH EXISTING LINE AND GRADE.
4. THE CONTRACTOR IS REQUIRED TO PAINT ALL PAVEMENT MARKINGS SHOWN ON PLANS INCLUDING PARKING SPACE LINES, CROSSWALKS, HANDICAPPED SYMBOLS, STOP BARS, AND ALL MARKINGS REQUIRED BY TOWN OF WATERFORD REGULATIONS.
5. ALL PARKING SPACE LINES TO BE STRIPED WITH 4" WIDE, WHITE, NON-REFLECTIVE PAINT.
6. PROVIDE 12" WIDE WHITE PAINTED STOP BAR AT ALL STOP SIGN LOCATIONS.
7. ALL CURB/HANDICAP RAMP DESIGNS SHALL CONFORM TO ANSI STANDARDS OR TOWN OF WATERFORD SITE PLAN STANDARDS, WHICHEVER IS MORE RESTRICTIVE.
8. A CONNDOT HIGHWAY ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK WITHIN THE STATE RIGHT-OF-WAY.

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 LOOSENEED OR SCARIFIED TO A MINIMUM DEPTH OF 24 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. PLANT SPECIES MAY BE ADJUSTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
7. ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE IN AN UNHEALTHY CONDITION BY THE LANDSCAPE ARCHITECT. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST.
8. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD. MAINTENANCE SHALL INCLUDE WATERING, MULCHING, TIGHTENING & REPLACING OF GUYS, REPLACEMENT OF SICK OR DEAD PLANTS, RESETTling PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, RESTORATION OF SAUCERS, AND ALL OTHER CARE NEEDED FOR PROPER GROWTH OF THE PLANTS.
9. WHERE A SIZE RANGE IS SPECIFIED AT LEAST 50% OF PLANTS PROVIDED SHALL BE OF THE LARGER SIZE.
10. CONTRACTOR TO REMOVE TREE STAKES AFTER ONE GROWING SEASON.
11. TAKE NOTE TO PROTECT ROOT ZONES OF EXISTING TREES ROOT ZONES DURING CONSTRUCTION AS SHOWN ON PLANS.

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'	
JA	Vaccinium angustifolium	Lowbush Blueberry	6"	6-8"	
CS	Carex pensylvanica	Pennsylvania Sedge	8"	12"	
MIX 'B'					
S	Ilex glabra ' Shamrock '	Inkberry	24-30"	4-5'	
OP	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'					
3G	Buxus x ' Green Mountain '	Boxwood	24-30"	4-5'	
SS	Schizachyrium scoparium ' The Blues '	Little Bluestem	18-24"	2-3'	
XP	Rosa x ' Pink Knockout '	Pink Knockout Rose	18-24"	3-4'	
L	Itea virginica ' Little Henry '	Virginia Sweetspire	12-18"	2-3'	
JB	Juniperus horizontalis ' Bar Harbor '	Bar Harbor Creeping Juniper	6"	6"	
MIX 'B'					
B2	Juniperus chinensis ' Blue Point '	Blue Point Juniper	4-5'	8-10'	
PH	Panicum virgatum ' Heavy Metal '	Blue Switch Grass	24-30"	4-5'	
NR	Ilex verticillata ' Red Sprite '	Red Sprite Winterberry	18-24"	2-3'	
R	Nepeta faassenii 'Walkers Low'	Catmint	6-9"	18"	
JA	Vaccinium angustifolium	Lowbush Blueberry	6"	6-8"	
PATIO SCREENING	BOTANICAL NAME	COMMON NAME	PLANTED HEIGHT	MATURE HT	
AC	Amelanchier canadensis	Shadblow Serviceberry	8' /10' HT.	15-20"	
FI	Carpinus betulus 'Franz Fontaine'	Columnar Hornbeam	8' /10' HT.	30'	
CT	Thuja x 'Green Giant'	Green Giant Arborvitae	8' /10' HT.	25'	
4P	Myrica pensylvanica	Northern Bayberry	24-30"	6-10'	
PC	Prunus x cistena	Purple Leaf Sand Cherry	24-30"	6-10'	
D	Viburnum dentatum ' Arrowwood '	Arrowwood Viburnum	30-36"	6-10'	
VA3	Viburnum trilobum	American Cranberrybush	30-36"	8-15'	

REGS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS
G	44	Acer rubrum 'October Glory' TM	October Glory Red Maple	3.0" Cal.	B&B	
G2	31	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry	8' /10" HT.	B&B	MULTI-STEM
B	18	Carpinus betulus 'Fastigiata'	Pyramidal European Hornbeam	2.5" -3.0" Cal.	B&B	FULL & DENSE
C	4	Cornus florida 'Cherokee Chief'	Cherokee Chief Dogwood	2.5"-3.0" Cal.	B&B	
I	8	Juniperus virginiana	Eastern Red Cedar	7' /8" HT.	B&B	
R	19	Prunus x 'Kanzan'	Kanzan Flowering Cherry	2.5"-3.0" Cal.	B&B	
G	49	Zelkova serrata 'Green Vase'	Green Vase Sawleaf Zelkova	3.0" Cal.	B&B	
RASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS
V	112	Panicum virgatum 'Haense Herms'	Haense Herms Switch Grass	---	#3	FULL & DENSE
H	110	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	---	#3	FULL & DENSE

	NEW ENGLAND WETMIX (WETLAND SEED MIX) BY NEW ENGLAND WETLAND PLANTS -	13,711 sf
	NEW ENGLAND EROSION CONTROL/RESTORATION MIX BY NEW ENGLAND WETLAND PLANTS -	36,758 sf
	NEW ENGLAND WILDFLOWER MIX BY NEW ENGLAND WETLAND PLANTS	70,431 sf

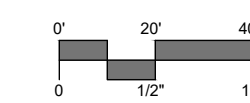
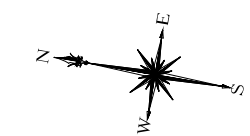
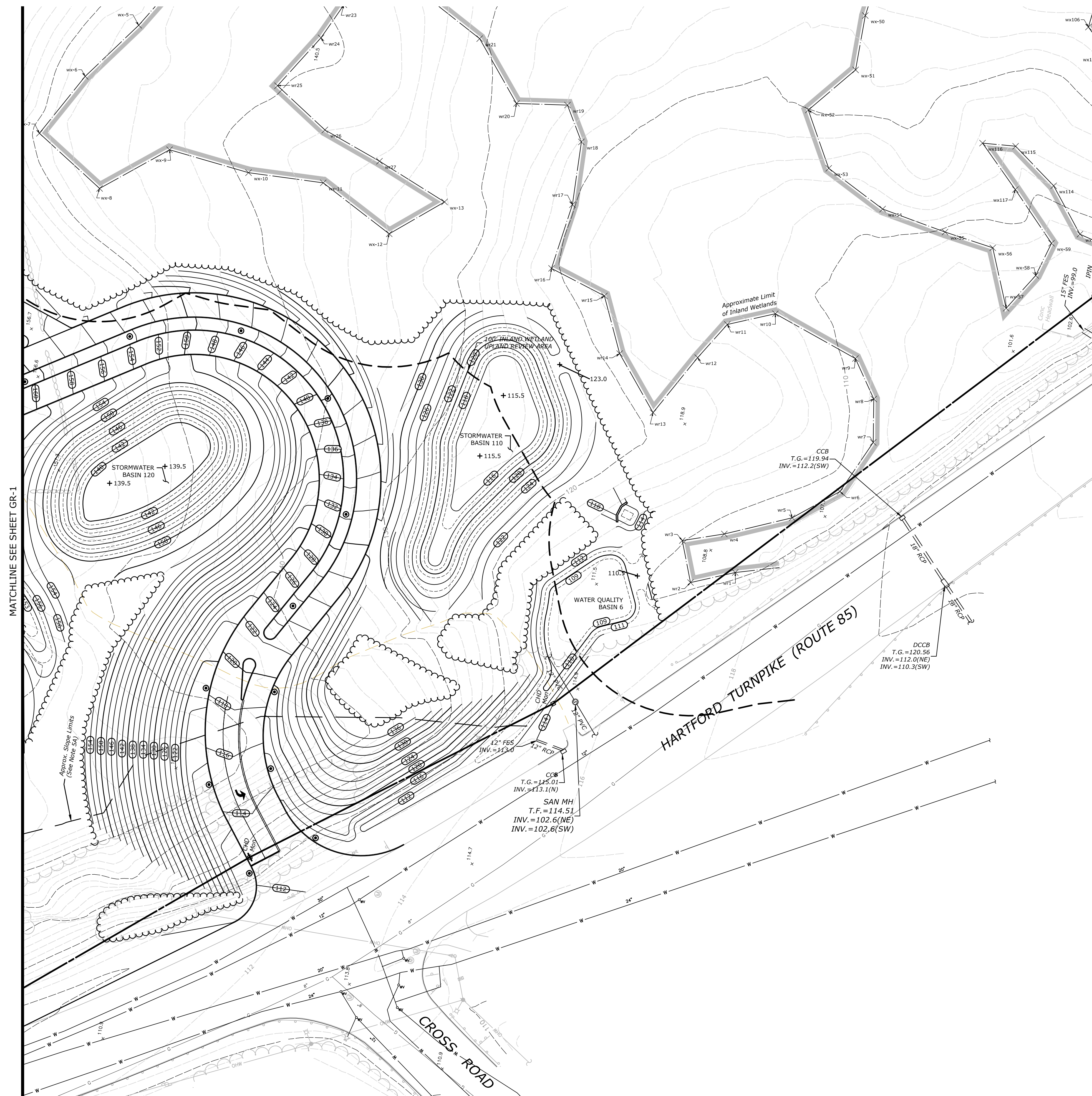
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SITE PLAN - LAYOUT & LANDSCAPING

**WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE**

969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

VEH/BK	VEH/BK	DLO
DESIGNED	DRAWN	CHECKED
1"=40'		
SCALE		
SEPTEMBER 20, 2021		
DATE		
5901-04		
PROJECT NO.		
03 OF 18		
SHEET NO.		
LA-2		
SHEET NAME		



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SITE PLAN - GRADING

VEH	VEH	DU
DESIGNED	DRAWN	CHECKED

1"=40'

SEPTEMBER 20, 20

DATE _____

PROJECT NO. **5901-04**

05 OF 18

GR-2

SHEET NAME

1. **RECOMMENDED FREQUENCY OF SERVICE:**
AS FURTHER DEFINED BELOW, ALL STORMWATER COMPONENTS SHOULD BE CHECKED ON A PERIODIC BASIS AND KEPT IN FULL WORKING ORDER. ULTIMATELY, THE REQUIRED FREQUENCY OF INSPECTION AND SERVICE WILL DEPEND ON RUNOFF QUANTITIES, POLLUTANT LOADING, AND CLOGGING DUE TO DEBRIS. AT A MINIMUM, WE RECOMMEND THAT ALL STORMWATER COMPONENTS BE INSPECTED AND SERVICED TWICE PER YEAR, ONCE BEFORE WINTER BEGINS AND ONCE DURING SPRING CLEANUP.

THE INSPECTIONS MUST BE COMPLETED BY AN INDIVIDUAL EXPERIENCED IN THE CONSTRUCTION AND MAINTENANCE OF STORMWATER DRAINAGE SYSTEMS. ONCE EVERY FIVE YEARS THE INSPECTIONS MUST BE COMPLETED BY A PROFESSIONAL ENGINEER.

- a. CATCH BASINS AND DRAINAGE INLETS SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION.
- b. FROM THE FIRST YEAR, CATCH BASINS AND DRAINAGE INLETS SHALL BE INSPECTED ON A QUARTERLY BASIS.
- c. ANY ACCUMULATED DEBRIS WITHIN THE CATCH BASINS/INLETS SHALL BE REMOVED AND ANY REPAIRS AS REQUIRED.
- d. FROM THE SECOND YEAR ONWARD, VISUAL INSPECTIONS SHALL OCCUR TWICE PER YEAR, ONCE IN THE SPRING AND ONCE IN THE FALL, AFTER FALL CLEANUP OF LEAVES HAS OCCURRED.
- e. ACCUMULATED DEBRIS WITHIN THE CATCH BASINS/INLETS SHALL BE REMOVED AND REPAIRS MADE AS REQUIRED.
- f. ACCUMULATED SEDIMENTS SHALL BE REMOVED AT WHICH TIME THEY ARE WITHIN 12 INCHES OF THE INVERT OF THE OUTLET PIPE.
- g. ANY ADDITIONAL MAINTENANCE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS SHALL ALSO BE COMPLETED.

- a. ALL STORM DRAINAGE PIPING SHALL BE COMPLETELY FLUSHED OF DEBRIS AND ACCUMULATED SEDIMENT AT THE COMPLETION OF CONSTRUCTION.
- b. MANHOLES SHALL BE INSPECTED AND REPAIRED ON AN ANNUAL BASIS.
- c. UNLESS SYSTEM PERFORMANCE INDICATES DEGRADATION OF PIPING, COMPREHENSIVE VIDEO INSPECTION OF STORM DRAINAGE PIPING SHALL OCCUR ONCE EVERY TEN YEARS.
- d. ANY ADDITIONAL MAINTENANCE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS SHALL ALSO BE COMPLETED.

a. MOWING: THE UPPER STAGE, SIDE SLOPES, AND EMBANKMENT OF STORMWATER POND MUST BE MOWED AT LEAST ONCE PER YEAR TO DISCOURAGE WOODY GROWTH AND CONTROL WEEDS.

b. INSPECTIONS SHOULD BE CONDUCTED AT LEAST ONCE PER YEAR (SPRING AND FALL) TO ENSURE THAT THE STRUCTURE OPERATES IN THE MANNER ORIGINALLY INTENDED. WHEN POSSIBLE, INSPECTIONS SHOULD BE CONDUCTED DURING WET WEATHER TO DETERMINE IF THE BASIN IS MEETING THE TARGETED DETENTION TIMES PER APPROVED DESIGN. IN PARTICULAR, THE OUTLET CONTROL DEVICE SHOULD BE REGULARLY INSPECTED FOR EVIDENCE OF CLOGGING OR, CONVERSELY, FOR TOO RAPID A RELEASE, AND THE FLOW PATH SHOULD BE CHECKED FOR EROSION PROBLEMS. OTHER PROBLEMS THAT SHOULD BE CHECKED FOR INCLUDE SUBSIDENCE, OUTLET WATER TURBIDITY, BANK/BED/OUTLET EROSION, CLOGGING, OR TREE GROWTH ON THE EMBANKMENT; ACCUMULATION OF SEDIMENT ABOVE THE OUTLET; THE ADEQUACY OF UPSTREAM DOWNSTREAM CHANNEL EROSION CONTROL MEASURES; AND MODIFICATIONS TO THE BASIN OR ITS CONTRIBUTING WATERSHED THAT MAY INFLUENCE BASIN PERFORMANCE. INSPECTIONS SHOULD BE CARRIED OUT WITH DESIGN PLANS IN HAND.

c. DEBRIS AND LITTER REMOVAL: DEBRIS AND LITTER WILL ACCUMULATE NEAR THE OUTLET CONTROL DEVICE AND SHOULD BE REMOVED DURING REGULAR INSPECTION AND/OR MOWING OPERATIONS. PARTICULAR ATTENTION SHOULD BE PAID TO FLOATABLE DEBRIS THAT COULD EVENTUALLY CLOG THE CONTROL DEVICE OR RISER.

d. SEDIMENT REMOVAL: WHEN PROPERLY DESIGNED, DETENTION/WATER QUALITY BASINS WILL ACCUMULATE SEDIMENT OVER TIME. HOWEVER, MOST OF THE SEDIMENT WILL BE TRAPPED IN THE WATER QUALITY UNITS AND CATCH BASIN SUMP UNITS BEFORE REACHING THE BASIN. THE REMAINDER WILL ACCUMULATE IN THE STORMWATER POND. ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE BASIN EVERY 5 YEARS, AFTER ONE HALF (15%) OF THE SEDIMENT STORAGE CAPACITY IN THE FOREBAY HAS BEEN FILLED, AFTER 4 INCHES OF SEDIMENT HAS ACCUMULATED IN THE MAIN PORTION OF THE BASIN, OR WHEN SIGNIFICANT ALGAL GROWTH IS OBSERVED. A PERMANENT MEASURING DEVICE SHALL BE INSTALLED IN THE MIDDLE OF THE FOREBAY AND IN THE MAIN PORTION OF THE BASIN. THE MARKER SHALL DELINEATE INCHES UP FROM THE BOTTOM OF THE BASIN SO THE DEPTH OF SEDIMENT CAN EASILY BE MEASURED. MORE FREQUENT SPOT CLEANOUTS MAY BE NEEDED AROUND THE OUTLET CONTROL DEVICE OR THE SEDIMENT FOREBAY.

SEDIMENT REMOVAL OPERATIONS ARE RELATIVELY SIMPLE. FRONT-END LOADERS, BACKHOES, OR VACUUM TRUCKS CAN BE USED TO REMOVE THE ACCUMULATED SEDIMENT FOLLOWED BY MANUAL REMOVAL OF SEDIMENT DEPOSITED AROUND THE OUTLET CONTROL DEVICE. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED OFF-SITE LOCATION IN ACCORDANCE WITH TOWN AND STATE REQUIREMENTS. THE DISTURBED AREA SHOULD BE IMMEDIATELY SEEDED WITH APPROPRIATE GRASS SEED AND MULCHED WITH HAY AFTER REMOVAL OPERATIONS ARE COMPLETED TO PREVENT THE OUTLET CONTROL DEVICE FROM CLOGGING.

- a. ALL CONTROL STRUCTURES (ORIFICE, WEIR, ETC.) SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION. ANY REPAIRS SHALL BE PERFORMED.
- b. FOR THE FIRST YEAR, CONTROL STRUCTURES (ORIFICE, WEIR, ETC.) SHALL BE INSPECTED ON A QUARTERLY BASIS.
- c. ANY ACCUMULATED DEBRIS SHALL BE REMOVED AND ANY REPAIRS MADE TO THE CONTROL STRUCTURES (ORIFICE, WEIR, ETC.) AS REQUIRED.
- d. FROM THE SECOND YEAR ONWARD, VISUAL INSPECTIONS SHALL OCCUR TWICE PER YEAR, ONCE IN THE SPRING AND ONCE IN THE FALL, AFTER FALL CLEANUP OF LEAVES HAS OCCURRED.
- e. ACCUMULATED DEBRIS SHALL BE REMOVED AND REPAIRS MADE AS REQUIRED.

- a. WATER QUALITY UNITS SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION.
- b. FOR THE FIRST YEAR, THE HYDRODYNAMIC SEPARATOR SHALL BE INSPECTED ON A QUARTERLY BASIS.
- c. ANY ACCUMULATED DEBRIS WITHIN THE HYDRODYNAMIC SEPARATOR SHALL BE REMOVED AND ANY REPAIRS MADE TO THE UNIT AS REQUIRED.
- d. AT THE SECOND YEAR ONWARD, VISUAL INSPECTION SHALL OCCUR TWICE PER YEAR, ONCE IN THE SPRING AND ONCE IN THE FALL, AFTER FULL CLEANUP OF LEAVES HAS OCCURRED.
- e. ACCUMULATED DEBRIS WITHIN THE UNIT SHALL BE REMOVED AND REPAIRS MADE AS REQUIRED.
- f. ACCUMULATED SEDIMENTS SHALL BE REMOVED AT WHICH TIME THEY ARE WITHIN 12 INCHES OF THE INVERT OF THE OUTLET PIPE.
- g. ALL INLETS, OUTLETS AND COMPONENTS OF THE UNIT SHALL BE INSPECTED AND CLEARED OF DEBRIS. ANY REPAIRS SHALL BE PERFORMED.
- h. ANY ADDITIONAL MAINTENANCE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS SHALL ALSO BE COMPLETED.

- a. ALL OUTFALLS SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION. ANY REPAIRS TO OUTLET PROTECTION MATERIAL (RIP RAP) SHALL BE PERFORMED.
- b. FOR THE FIRST YEAR, OUTFALLS SHALL BE INSPECTED ON A QUARTERLY BASIS.
- c. ANY ACCUMULATED DEBRIS SHALL BE REMOVED AND ANY REPAIRS MADE TO THE OUTFALLS AS REQUIRED.
- d. FROM THE SECOND YEAR ONWARD, VISUAL INSPECTIONS SHALL OCCUR TWICE PER YEAR, ONCE IN THE SPRING AND ONCE IN THE FALL, AFTER FALL CLEANUP OF LEAVES HAS OCCURRED.
- e. ACCUMULATED DEBRIS SHALL BE REMOVED AND REPAIRS MADE AS REQUIRED.
- f. ANY EROSION SHALL BE PROMPTLY REPAIRED AND THE CAUSE OF THE EROSION SHALL BE IDENTIFIED AND CORRECTED.
- g. ANY ADDITIONAL MAINTENANCE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS SHALL ALSO BE COMPLETED.

- a. WATER QUALITY BASINS SHALL BE CLEANED OF DEBRIS AND SEDIMENTS UPON THE COMPLETION OF CONSTRUCTION. THE BASIN SHALL BE VISUALLY INSPECTED ON A MONTHLY BASIS FOR THE FIRST 6 MONTHS. ANY EROSION SHALL BE PROMPTLY REPAIRED AND THE CAUSE OF THE PROBLEM SHALL BE IDENTIFIED AND CORRECTED. MONTHLY INSPECTIONS SHALL CONTINUE UNTIL SUCCESSFUL OPERATION OF THE SYSTEM IS CONFIRMED.
- b. THE BASIN SHALL NOT BE MOWED MORE THAN TWICE DURING THE GROWING SEASON, PREFERABLY ONLY IN LATE OCTOBER. MORE FREQUENT MOWING WILL ELIMINATE NATIVE FORBS AND SEDGES FROM THE MEADOW COVER.
- c. ALL DEAD PLANTS SHALL BE REPLACED AND ANY NECESSARY PRUNING OF VEGETATION SHALL BE COMPLETED.
- d. THE SURFACE OF THESE STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AFTER THE FIRST SIX MONTHS OF SUCCESSFUL OPERATION AND AFTER HEAVY RUNOFF EVENTS (E.G. >3.0" IN A 24-HOUR PERIOD). ONE INSPECTION SHALL OCCUR IMMEDIATELY FOLLOWING THE COMPLETION OF WINTER SANDING AND SUBSEQUENT SWEEPING OPERATIONS, AND ONE SHALL OCCUR JUST PRIOR TO THE WINTER SEASON. ANY ACCUMULATED DEBRIS AND SEDIMENTS SHALL BE REMOVED.

a. UNDERGROUND DETENTION SYSTEMS SHALL BE INSPECTED QUARTERLY AND SEDIMENT SHALL BE REMOVED AS NEEDED TO ENSURE PROPER FUNCTIONING OF STRUCTURES. AREAS OF DISTURBANCE THAT MAY BE AS A RESULT OF CLEANING SHALL BE SEEDED AND PLANTED IN ACCORDANCE WITH THE ORIGINAL PLANTING PLAN. THESE STRUCTURES WILL BE MAINTAINED YEARLY, OR MORE FREQUENTLY AS REQUIRED. WASTE MATERIAL WILL BE PROPERLY DISPOSED OF OFF-SITE.

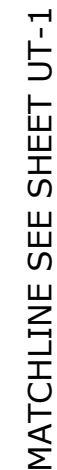
b. ANY ADDITIONAL MAINTENANCE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS SHALL ALSO BE COMPLETED.

a. REMOVE ACCUMULATED DEBRIS AND INSPECT FOR CLOGGING AND/OR DAMAGE AT LEAST ONCE A YEAR, TYPICALLY IN THE FALL AFTER THE LEAVES HAVE FALLEN. ANY DAMAGE SHOULD BE REPAIRED AS REQUIRED.

a. THE PARKING AREA AND ROADWAY SHALL BE SWEEPED ANNUALLY. SWEEPING SHOULD OCCUR IN THE SPRING AFTER WINTER SANDING, BETWEEN APRIL 15 AND MAY 15. SALT ALTERNATIVES SHALL BE USED DURING WINTER MONTHS FOR DEICING.

4. DISPOSAL OF DEBRIS AND SEDIMENT:
ALL DEBRIS AND SEDIMENT REMOVED FROM THE STORMWATER STRUCTURES SHALL BE DISPOSED OF LEGALLY. THERE SHALL BE NO DUMPING OF SILT OR DEBRIS INTO OR IN PROXIMITY TO ANY INLAND WETLANDS.

THE OWNERS(S) MUST MAINTAIN ALL RECORDS (LOGS, INVOICES, REPORTS, DATA, ETC.) AND HAVE ALWAYS THEM READILY AVAILABLE FOR INSPECTION.



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.

- PURPOSE AND DESCRIPTION OF PROJECT
 - PROPOSED APARTMENT COMMUNITY OF 284 UNITS IN 7 BUILDINGS, ACCESS DRIVES, PARKING AND COMMON AREAS
 - ESTIMATED AREA OF DISTURBANCE: ±15.8 ACRES
 - PHASE I DISTURBANCE: ±4 ACRES
 - PHASE II DISTURBANCE: ±12 ACRES
- IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
 - CUTS AND FILLS ASSOCIATED WITH ACCESS DRIVE, DETENTION BASIN, AND BUILDING CONSTRUCTION.
 - PROTECTION OF ON-SITE AND OFF-SITE STORM DRAINAGE AND OFF-SITE WETLANDS.
 - STEEP SLOPES.
- IDENTIFICATION OF OTHER POSSIBLE PERMITS
 - TOWN OF WATERFORD PLANNING & ZONING SITE PLAN APPLICATION.
 - TOWN OF WATERFORD CONSERVATION COMMISSION INLAND WETLAND PERMIT.
 - CT DEEP CONSTRUCTION STORMWATER GENERAL PERMIT.
- CONSERVATION PRACTICES INCORPORATED INTO THE PROJECT ARE AS FOLLOWS:
 - CONSTRUCTION SEQUENCE - SEE TITLE SHEET
 - DETAILED PHASED SOIL EROSION AND SEDIMENT CONTROL PLANS.
 - PERIMETER SEDIMENT FILTER FENCING, TEMPORARY DIVERSION BERMS, TEMPORARY SEDIMENT TRAPS (IN SERIES) FOR TREATMENT PRIOR TO DISCHARGING TO WETLANDS.
- CONTACT PERSON
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROLS. A SPECIFIC INDIVIDUAL SHALL BE NAMED AT THE PRE-CONSTRUCTION MEETING.

E&S NOTES

- REFER TO THE CONSTRUCTION SEQUENCE ON THE TITLE SHEET FOR SEQUENCE AND TIMING FOR CONVERSION OF THE STORMWATER BASINS FROM TEMPORARY SEDIMENT TRAPS TO PERMANENT STABILIZED STORMWATER CONTROL AND TREATMENT FEATURES.
- SEE DETAIL SHEETS FOR EROSION CONTROL MAINTENANCE INTERVALS.
- ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
- THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
- A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.
- THE PROJECT REQUIRES A CTDEEP CONSTRUCTION STORMWATER GENERAL PERMIT AND IS SUBJECT TO ALL THE REQUIREMENTS OF THAT PERMIT.

LEGEND

	IP	INLET PROTECTION (TYPICAL 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

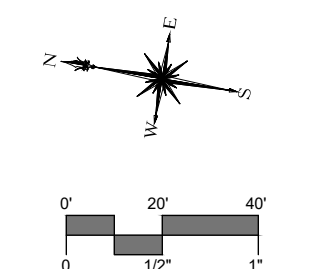
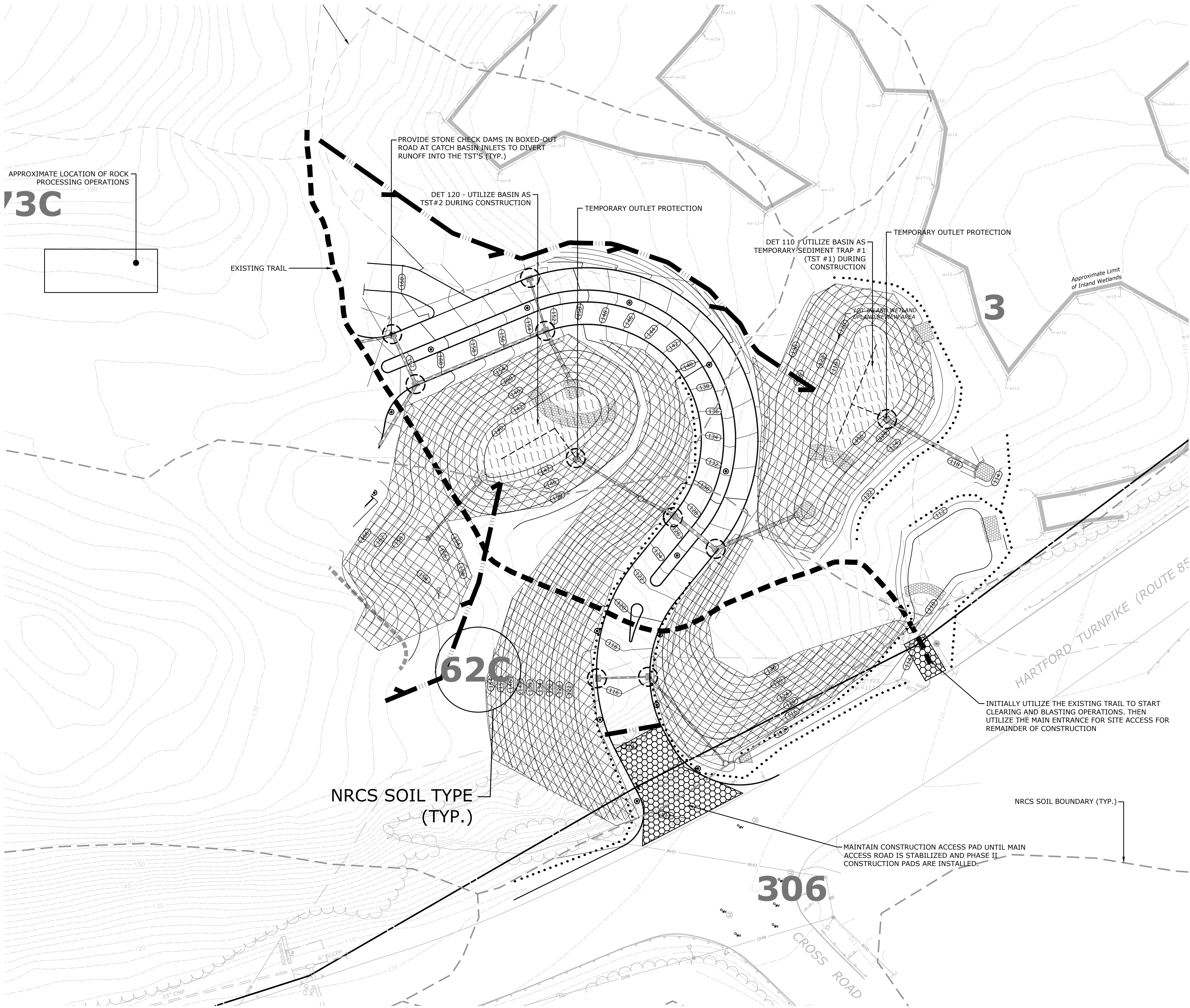
NRCS SOIL TYPES

SOIL TYPE	DESCRIPTION
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky

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	1.2	166	8	100X50	±1480
#2	1.8	236	8	120X60	±2130

*134 CY STORAGE VOLUME REQUIRED PER ACRE CONTRIBUTING AREA TO TST



DESCRIPTION	DATE	BY

SEDIMENT AND EROSION CONTROL PLAN
WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
989 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED
1"=40'		
SEPTEMBER 20, 2021		
DATE		
PROJECT NO. 5901-04		
SHEET NO. 09 OF 18		

SE-1

SHEET NOTES

1. SEE SHEET SE-1 FOR SOIL EROSION AND SEDIMENT CONTROL NARRATIVE, NOTES, SOIL TYPES, AND LEGEND

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)
#3	4.90	656	4	95x47.5	±668
#4	2.5	335	3	80x40	±355

*134 CY STORAGE VOLUME REQUIRED PER ACRE CONTRIBUTING AREA TO TST

UTILIZE RAIN GARDEN 2 AS TST#4
-CAPTURE THE ESTIMATED DISTURBED AREA THAT DRAINS INTO THE EXISTING VALLEY PER THE SIZING SUMMARY TABLE

RIPRAP OVERFLOW SPILLWAY. DO NOT DISCHARGE INTO THE UNDERGROUND CHAMBERS.

DIVERSION BERM DURING CONSTRUCTION. CHANGE TO WATER BAR ACROSS DRIVEWAY IF VEHICLE ACCESS IS REQUIRED

ALL STABILIZED DURING PHASE I
-SEE SHEET SE-1

TEMPORARY OUTLET PROTECTION

DET 110 - UTILIZE BASIN AS TEMPORARY SEDIMENT TRAP #3 (TST #3) DURING CONSTRUCTION
-CAPTURE THE ESTIMATED DISTURBED AREA PER THE SIZING SUMMARY TABLE

NRCS SOIL TYPE (TYP.)

CONTRIBUTING DISTURBED AREAS TO SEDIMENT FILTER FENCE NOT TO EXCEED 1-ACRES (TYPICAL OF ALL)



DESCRIPTION	DATE	BY

SEDIMENT AND EROSION CONTROL PLAN - PHASE II
WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

VEH DESIGNED	VEH DRAWN	DLO CHECKED
SCALE	1"=40'	
DATE	APRIL 30, 2019	
PROJECT NO.	5901-04	
SHEET NO.	10 OF 13	

SE-2

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

GENERAL:

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

TOPSOIL

GENERAL:

- TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.
- UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
- REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.
- 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.
- TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE. 3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES LARGER THAN 1.25", LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, NUTGRASS, AND QUACKGRASS.
- AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL. SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT
- SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PPM) IS LESS 6. THE pH SHOULD BE 5.5 TO 7 IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

EXECUTION

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

VEGETATIVE COVER SELECTION AND MULCHING

TEMPORARY VEGETATIVE COVER:

PERENNIAL RYEGRASS 5 LBS./1,000 SQ.FT. (LOLIUM PERENNE)

* PERMANENT VEGETATIVE COVER: SEE SPECIFICATIONS

TEMPORARY MULCHING:

CLEAN DRY STRAW OR HAY FREE OF WEEDS WITH A MULCH TACKIFIER 70-90 LBS./1,000 SQ.FT. (TEMPORARY VEGETATIVE AREAS)

WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

ESTABLISHMENT:

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

MAINTENANCE:

- TEST FOR SOIL ACIDITY EVERY THREE (3) YEARS AND LIME AS REQUIRED.
- 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.
- 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.).

EROSION CHECKS

GENERAL:

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

CONSTRUCTION:

- BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (6") 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 SIX INCHES (6") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

INSTALLATION AND MAINTENANCE:

- BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
- BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
- ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
- INSPECTION SHALL BE FREQUENT (PER TABLE BELOW) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.

TEMPORARY VEGETATIVE COVER

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

GENERAL:

- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
- APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF TWO (2) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQ. FT.).
- 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.
- UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
- TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

SITE PREPARATION:

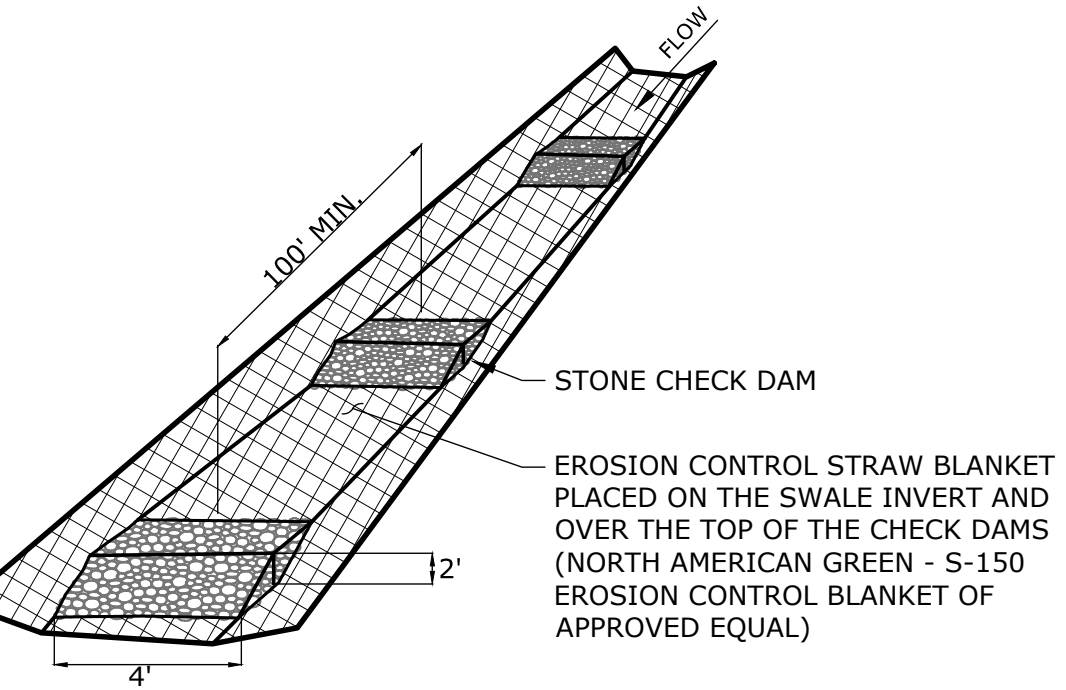
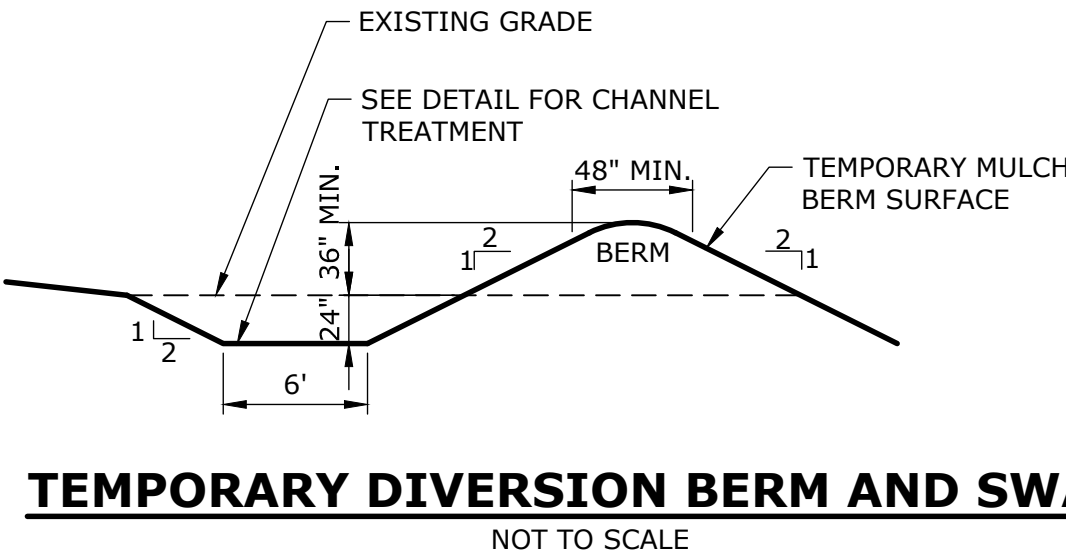
- SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING
- APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
- UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF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

GENERAL:

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

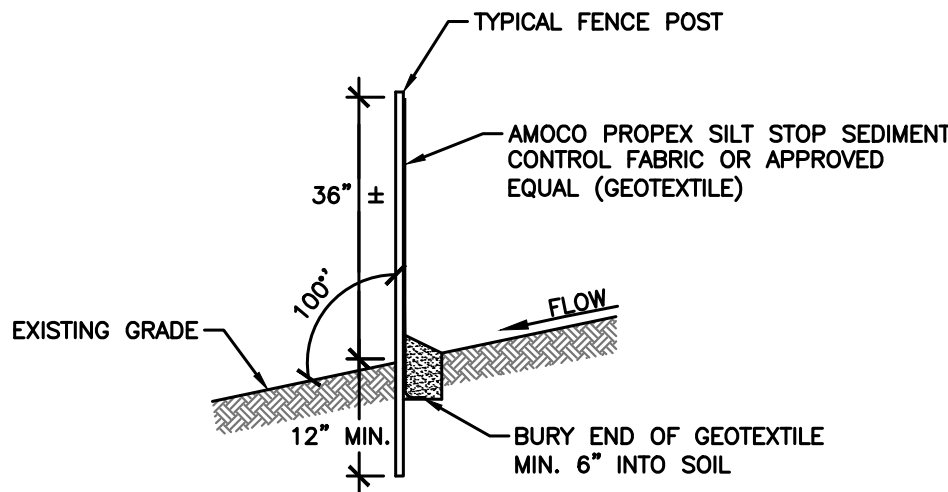
SITE PREPARATION:

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



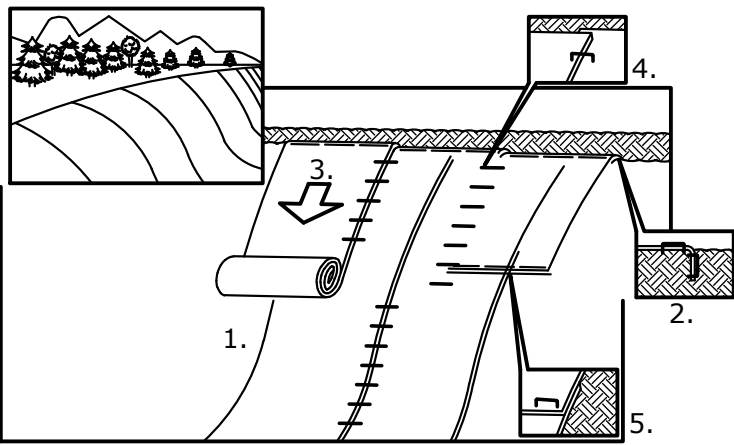
CHANNEL TREATMENT

NOT TO SCALE



SEDIMENT FILTER FENCE

NOT TO SCALE



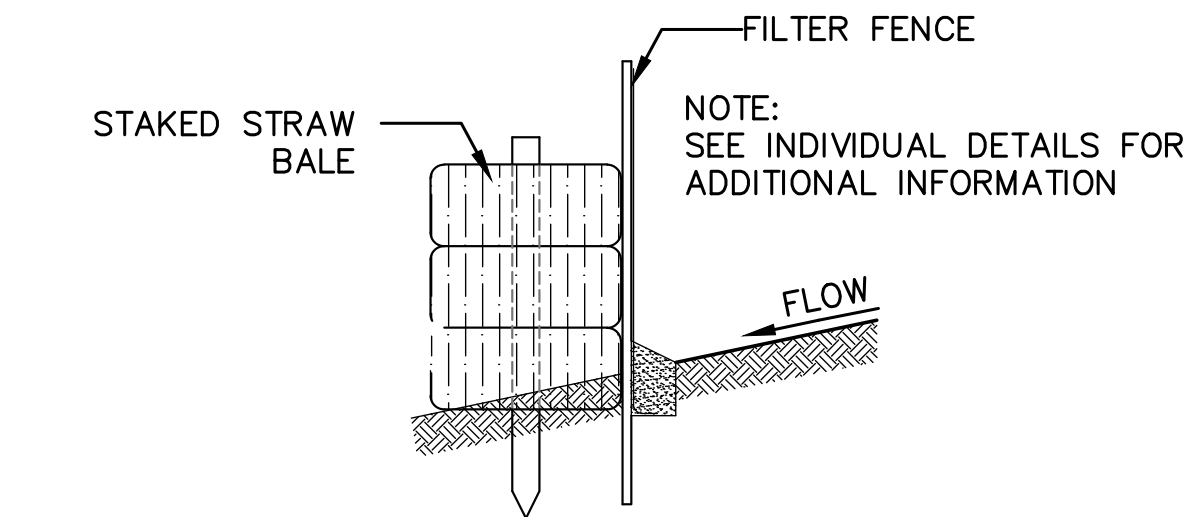
NOTES:

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING SCC225, DO NOT SEED PREPARED AREA. SCC225 MUST BE INSTALLED WITH PAPER SIDE DOWN.
- 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.
- ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- 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.

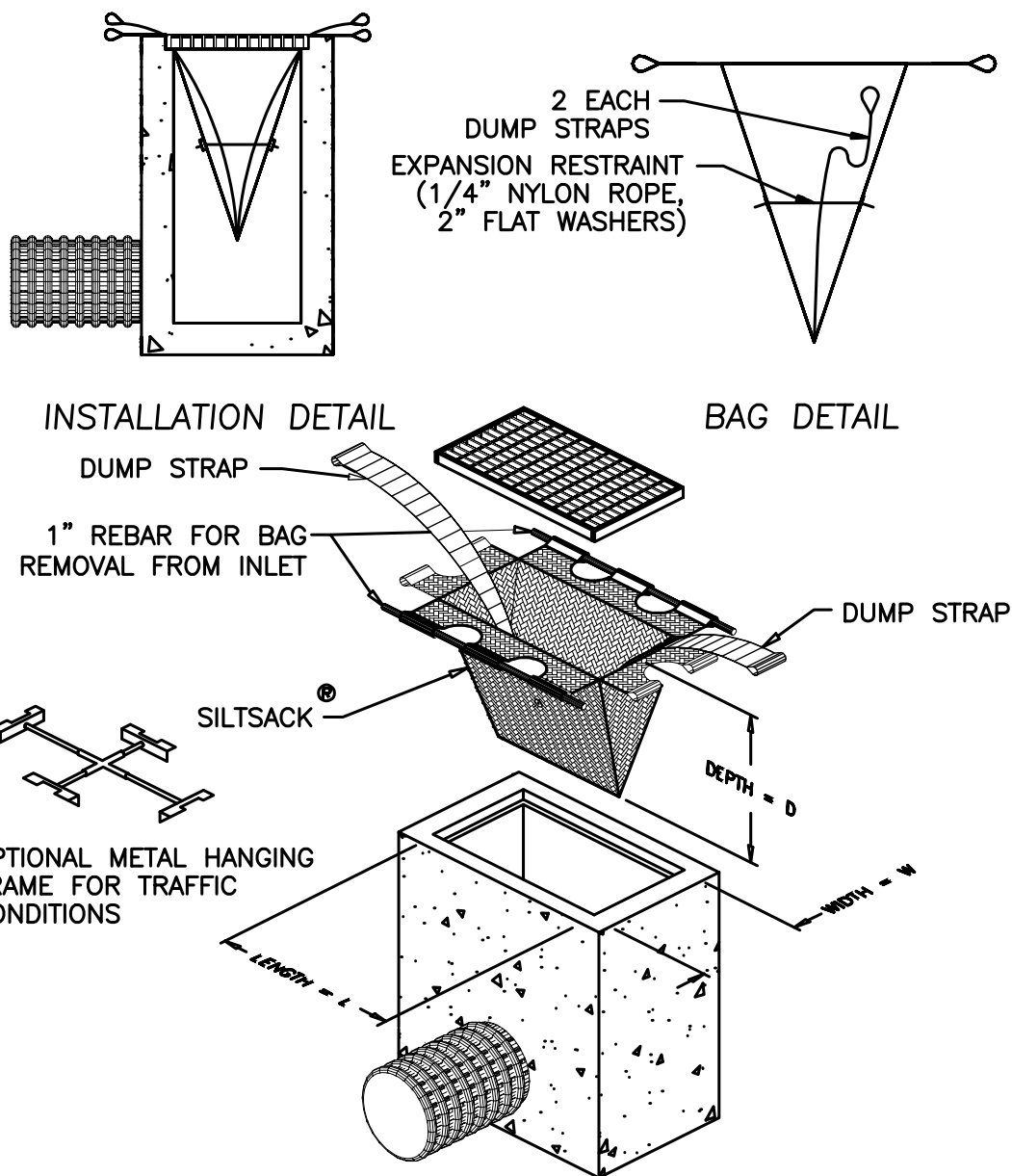
APPLICATION OF EROSION CONTROL BLANKET ON SLOPES

NOT TO SCALE



SEDIMENT FILTER FENCE AND HAYBALE

NOT TO SCALE



INLET PROTECTION DETAIL

NOT TO SCALE

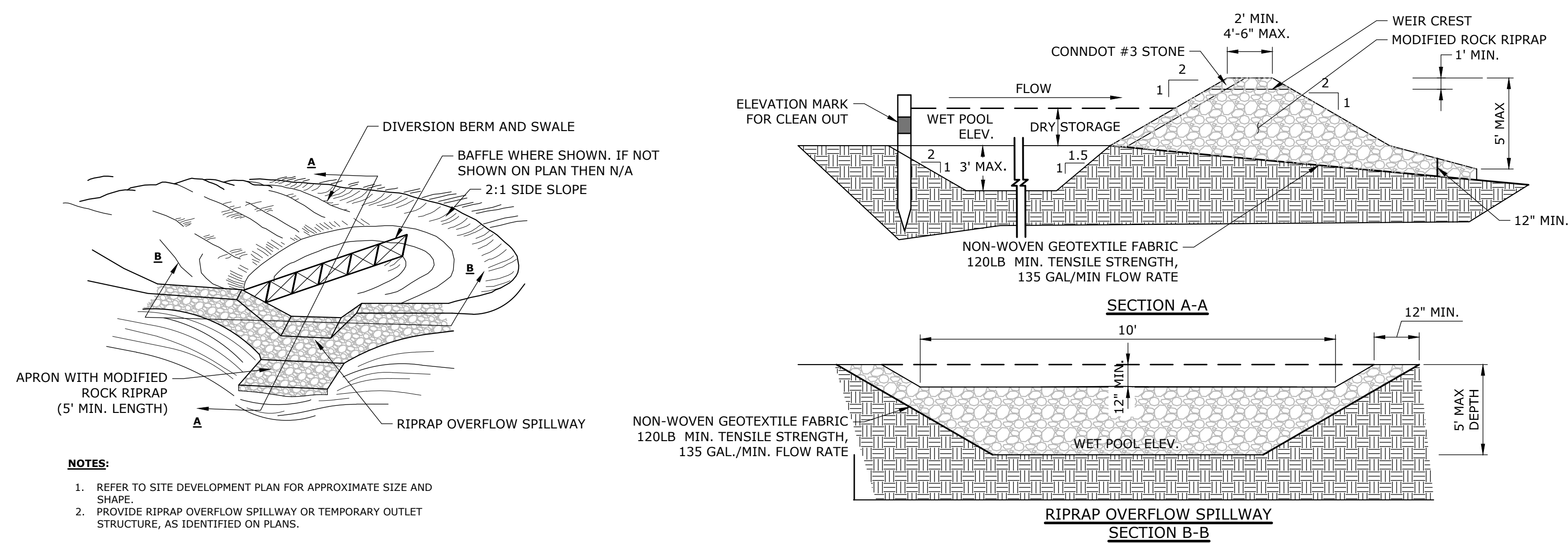
EROSION CONTROL MAINTENANCE INTERVALS				
EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
TEMPORARY SEDIMENT TRAP (TST)	- DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL DISTURBED AREAS LONG ENOUGH TO ALLOW A MAJORITY OF THE SEDIMENT TO SETTLE OUT.	INSPECT AT LEAST 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 1 FOOT BELOW CREST OF EMBANKMENT. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACHES 1/2 OF THE REQUIRED WET STORAGE.	- TURBID WATER - EXCESSIVE SEDIMENT ACCUMULATION - OVERTOPPING EVIDENCE	TST MAY BE REMOVED ONCE THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
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 1/2 THE TRENCH HEIGHT. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	SILT FENCE MAY BE REMOVED AFTER UPHILL AND SENSITIVE AREAS HAVE BEEN PERMANENTLY STABILIZED.
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 1/2 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.
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.



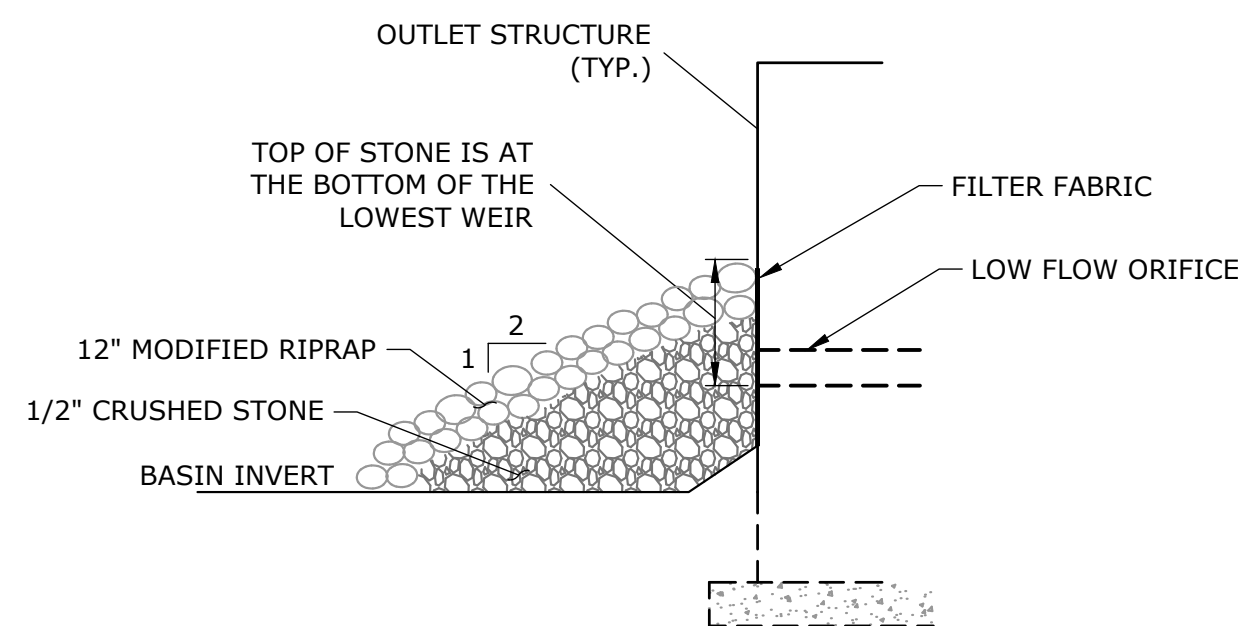
DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL DETAILS
WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
989 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

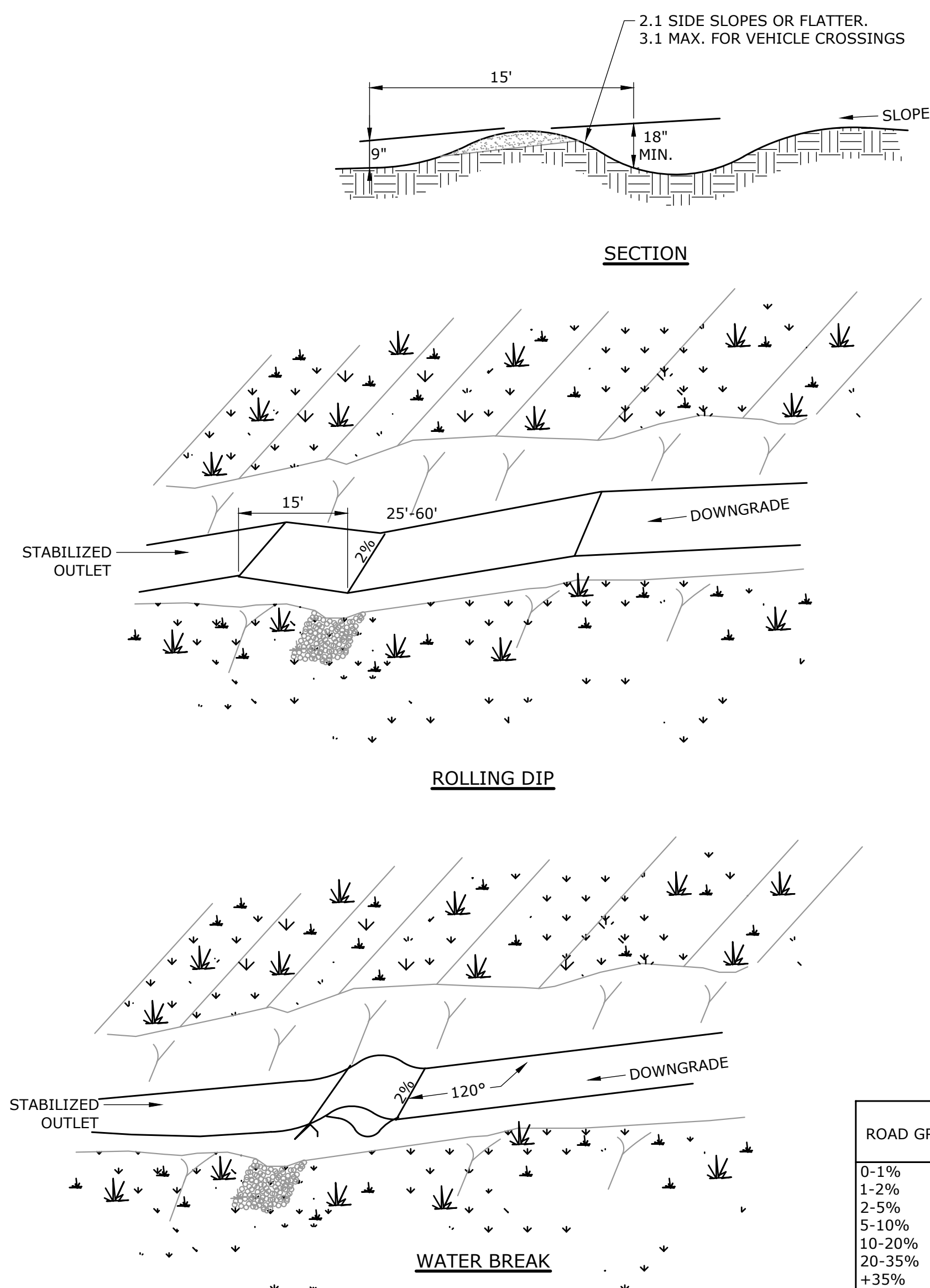
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AS NOTED		
SEPTEMBER 20, 2021		
DATE		
PROJECT NO. 5901-04		
SHEET NAME		
SE-3		



TEMPORARY SEDIMENT TRAP
NOT TO SCALE



TEMPORARY PROTECTION OF OCS
NOT TO SCALE



- NOTES:**
1. INSTALL WATER BREAKS/ ROLLING DIPS (DIVERSIONS) AS SOON AS THE RIGHT-OF-WAY HAS BEEN CLEARED AND GRADED
 2. ROLLING DIPS ARE TO BE INSTALLED IF THE ROAD IS INTENDED FOR WINTER USE OR USED BY VEHICLES WITH LOW CLEARING THE HEIGHT FROM CHANNEL BOTTOM TO THE TOP OF THE SETTLED RIDGE SHALL BE 18" AND THE SIDE SLOPE S OF THE RIDGE SHALL BE 2:1 OR FLATTER.
 3. THE OVERTLOW END OF THE DIVERSIONS SHOULD HAVE A NATURAL OR CONSTRUCTED STABLE OUTLET TO CLEAN THE SEDIMENT OUT OF THE WATER AND PREVENT EROSION. NEVER OUTLET DIVERSIONS INTO UNPROTECTED FILL SLOPES.
 4. SPACING BETWEEN DIVERSIONS MAY NEED TO BE ADJUSTED TO FIELD CONDITIONS SO AS TO USE THE MOST SUITABLE SPACING FOR WATER DISPOSAL. THESE CHANGES SHALL BE APPROVED PRIOR TO THEIR INSTALLATION BY THE DESIGN ENGINEER.
 5. USE GRAVEL TO STABILIZE THE DIVERSIONS WHERE THE SIGNIFICANT VEHICULAR TRAFFIC IS ANTICIPATED.
 6. DIVERSION SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY HEAVY RAIN STORM FOR EROSION DAMAGE. REMOVE SEDIMENT IMMEDIATELY FROM THE FLOW AREA AND MAKE TIMELY REPAIRS AS NEEDED.

WATER BREAKS/WATER BAR
NOT TO SCALE

[illegible]

SEDIMENT & EROSION CONTROL DETAILS

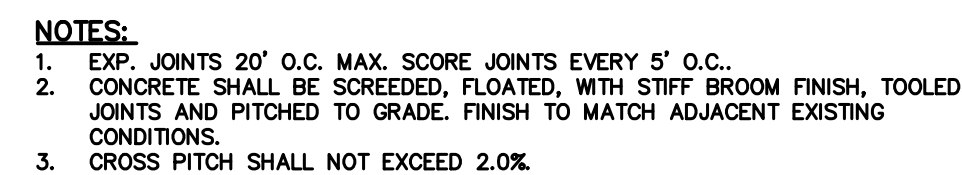
**WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE**

969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

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SEPTEMBER 20, 202		
DATE		
5901-04		
PROJECT NO.		



NOT TO SCALE



NOT TO SCALE



- NOT TO SCALE



1. PROVIDE PREFORMED EXPANSION JOINT AT ALL EXPANSION CONTROL JOINT, SAWCUT, AND OTHER LOCATIONS WHERE CONCRETE ABUTS EXISTING CONCRETE.

NOT TO SCALE



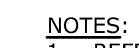
1. PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINT, SAWCUT, AND OTHER LOCATIONS WHERE CONCRETE ABUTTS EXISTING CONCRETE.

NOT TO SCALE



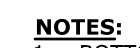
THE DETECTABLE WARNING STRIP SHALL BE A PREFABRICATED DETECTABLE WARNING SURFACE TILE THAT IS CAST IN PLACE AND REPLACEABLE SUCH AS MANUFACTURED FROM ALERTITILE DETECTABLE WARNING SYSTEMS, ADA SOLUTIONS, OR APPROVED EQUAL. THE TILE SHALL HAVE A BRICK RED HOMOGENEOUS COLOR IN COMPLIANCE WITH FEDERAL STANDARD 595A COLOR #2144 OR APPROVED EQUAL

NOT TO SCALE



- LOCATION.

NOT TO SCALE



2. FOR WAY-FINDING SIGNS SEE SHEET C13.0

NOT TO SCALE

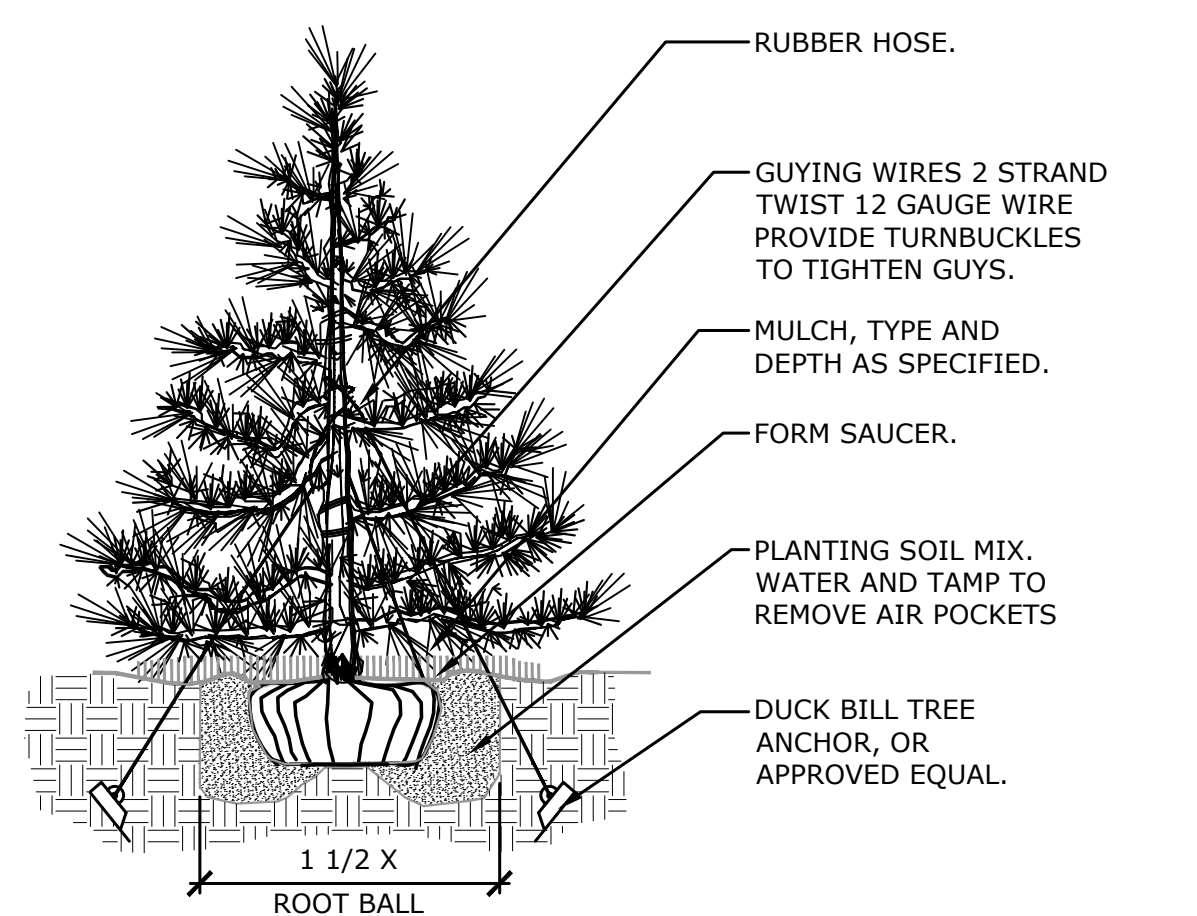
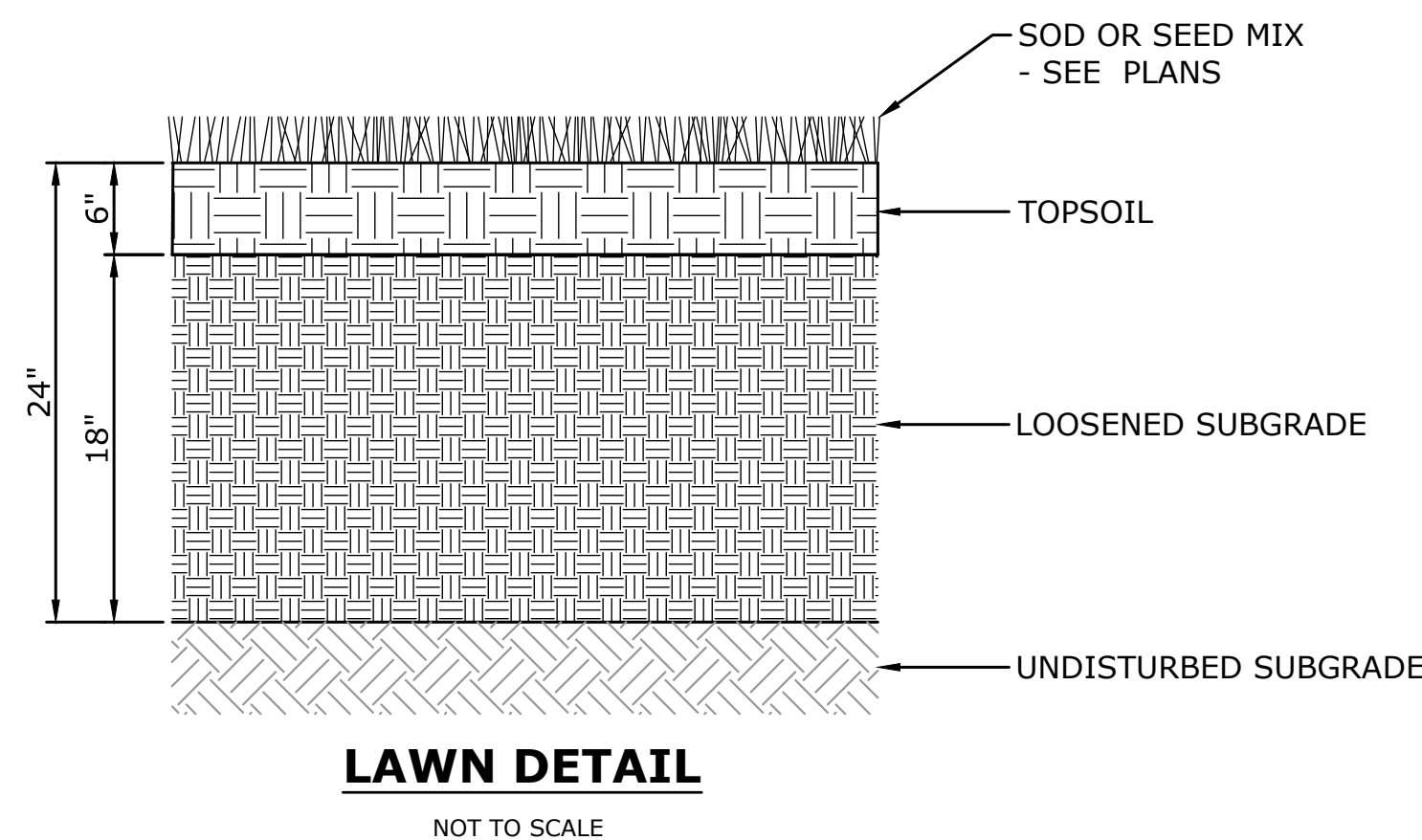
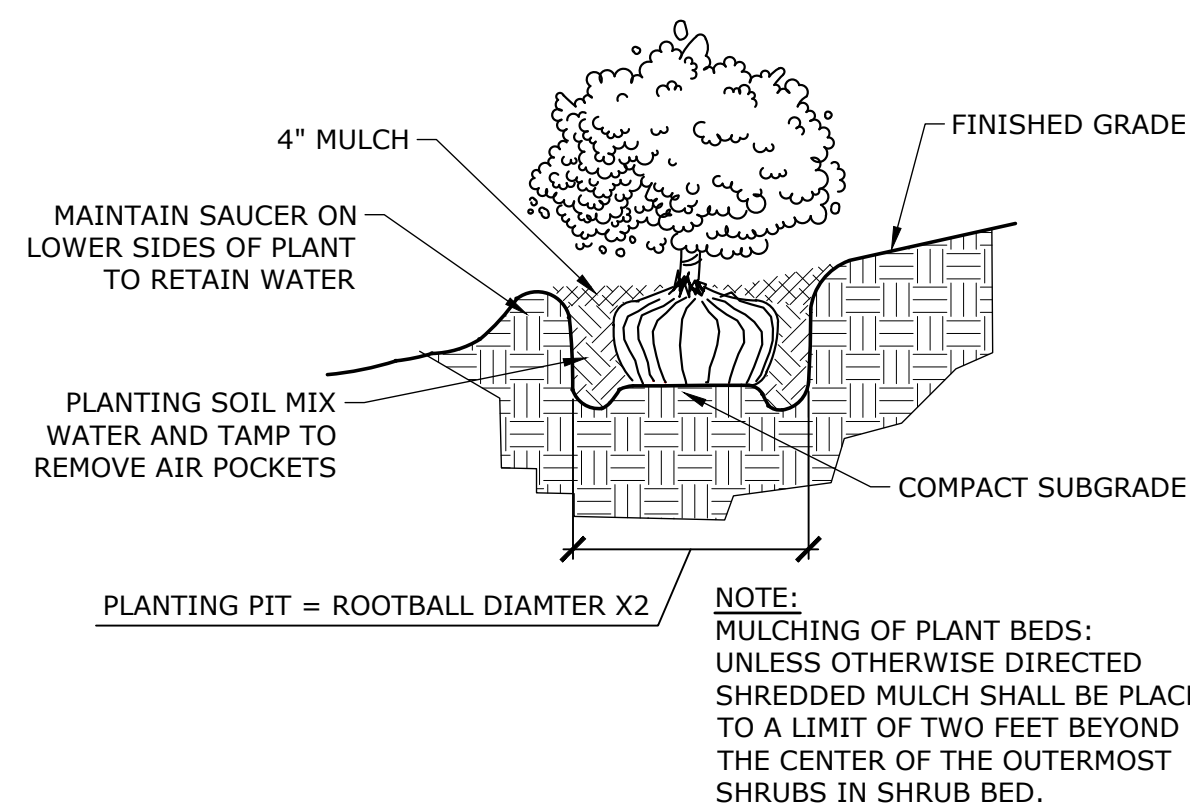
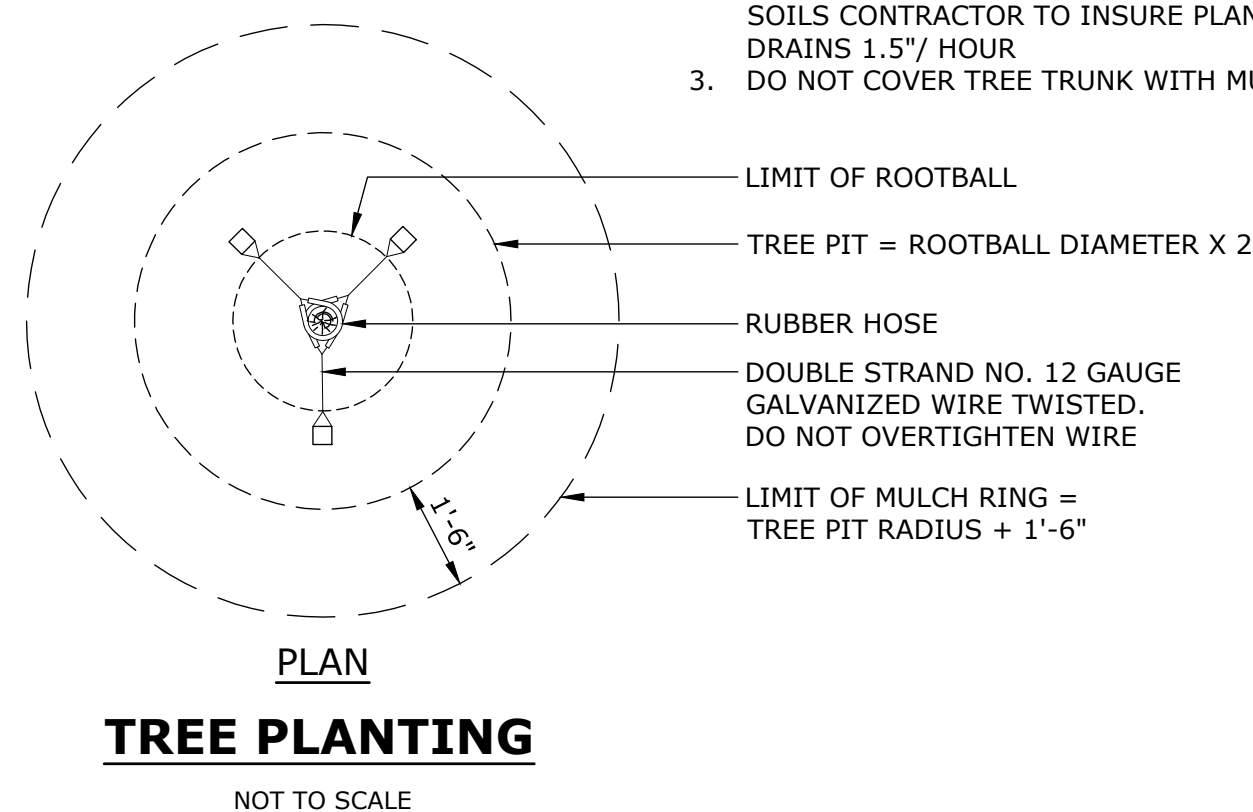
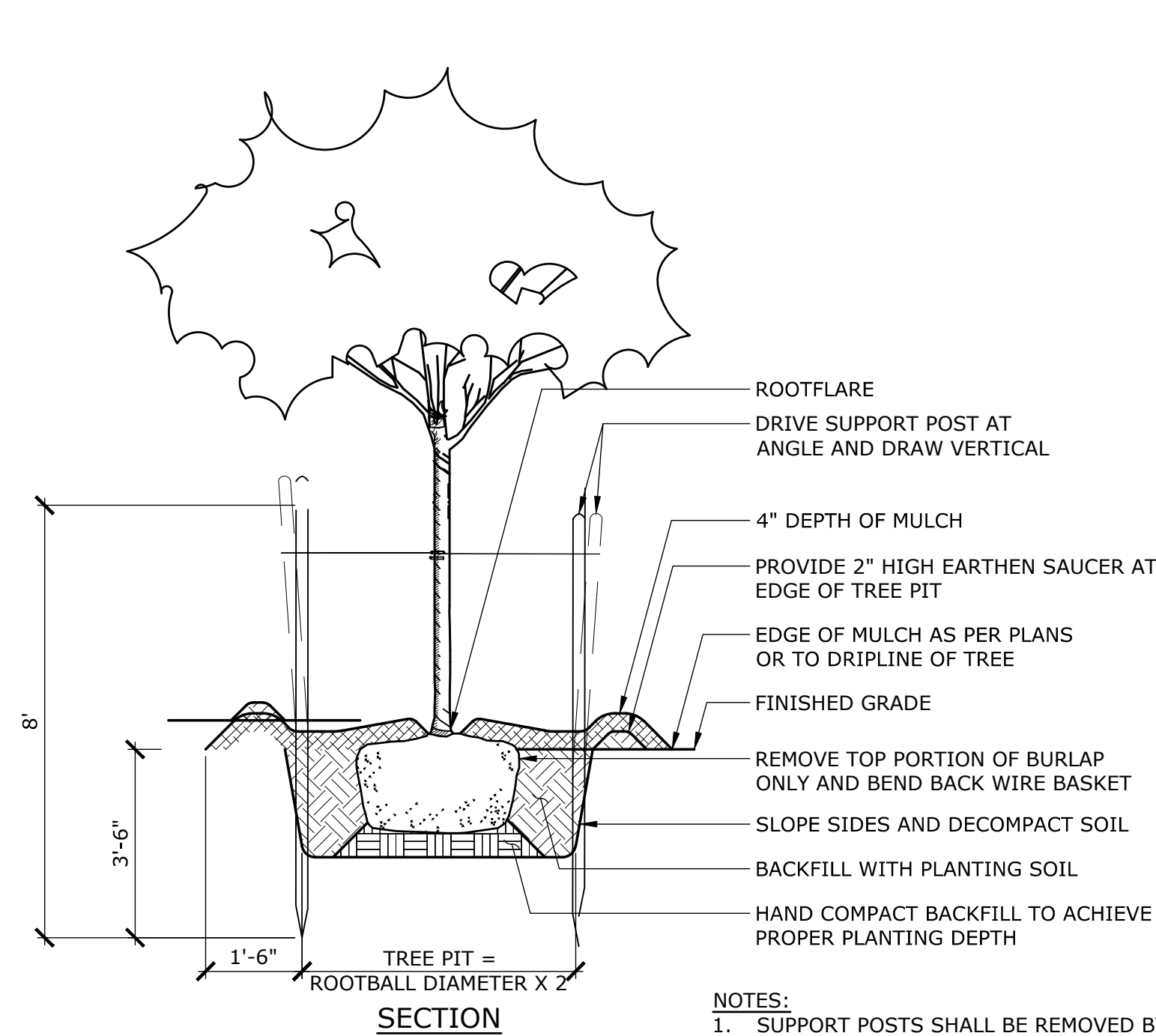


SITE DETAILS

WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE

9669 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

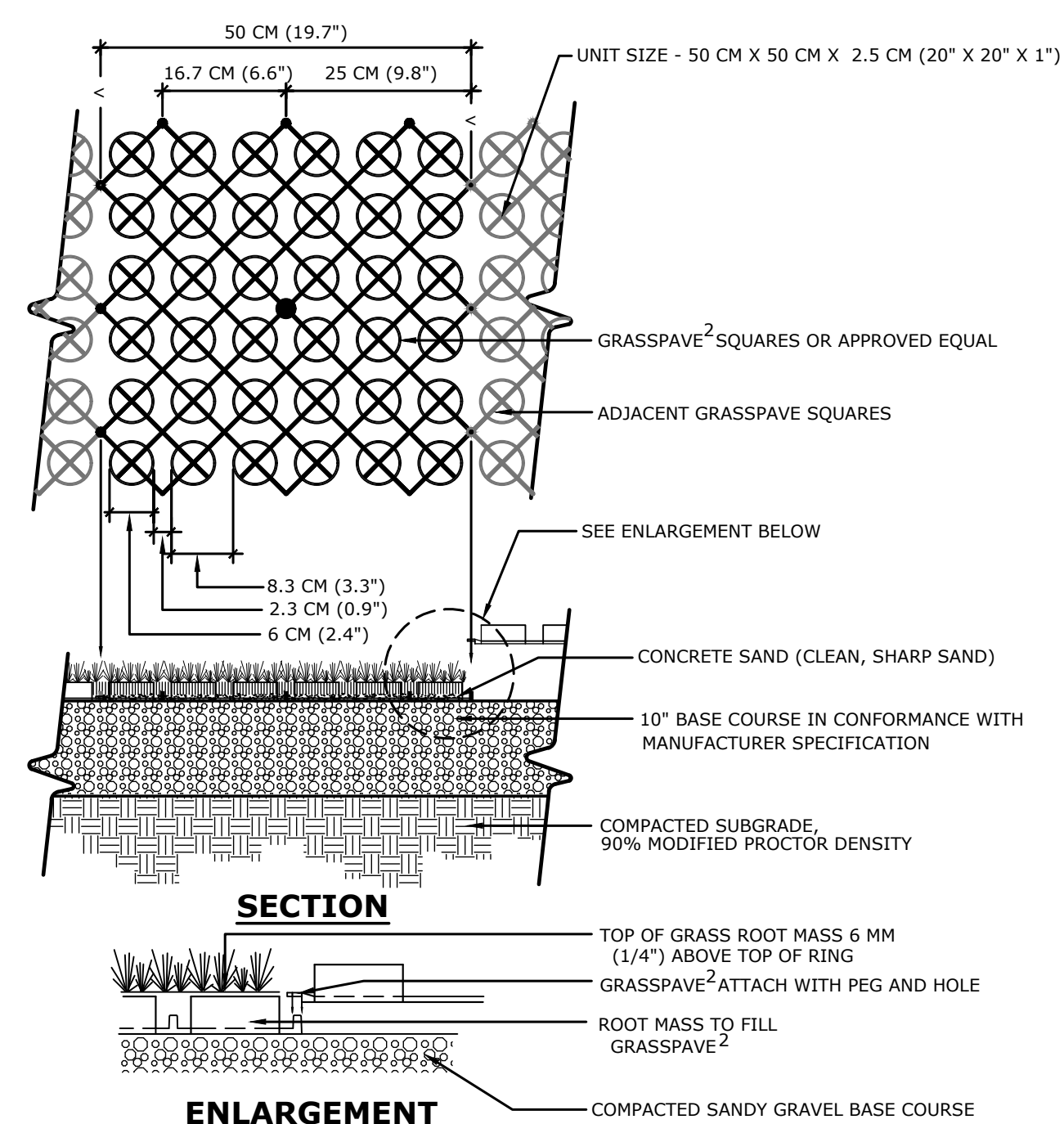
SD-1



- | | |
|--|--|
| NOTES: | |
| 1. PROVIDE STAKING AS REQUIRED. | NOTE: REMOVE ALL |
| 2. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE. | BOULDERS & LEDGE
18" BELOW SUBGRADE |
| 3. PAINT ALL CUTS OVER 25.4mm DIA. | |
| 4. REMOVE ALL CONTAINERS AND BASKETS FROM ROOT BALL. | |
| 5. REMOVE BURLAP FROM TOP 8.5mm OF ROOT BALL. | |

EVERGREEN TREE PLANTING DETAIL

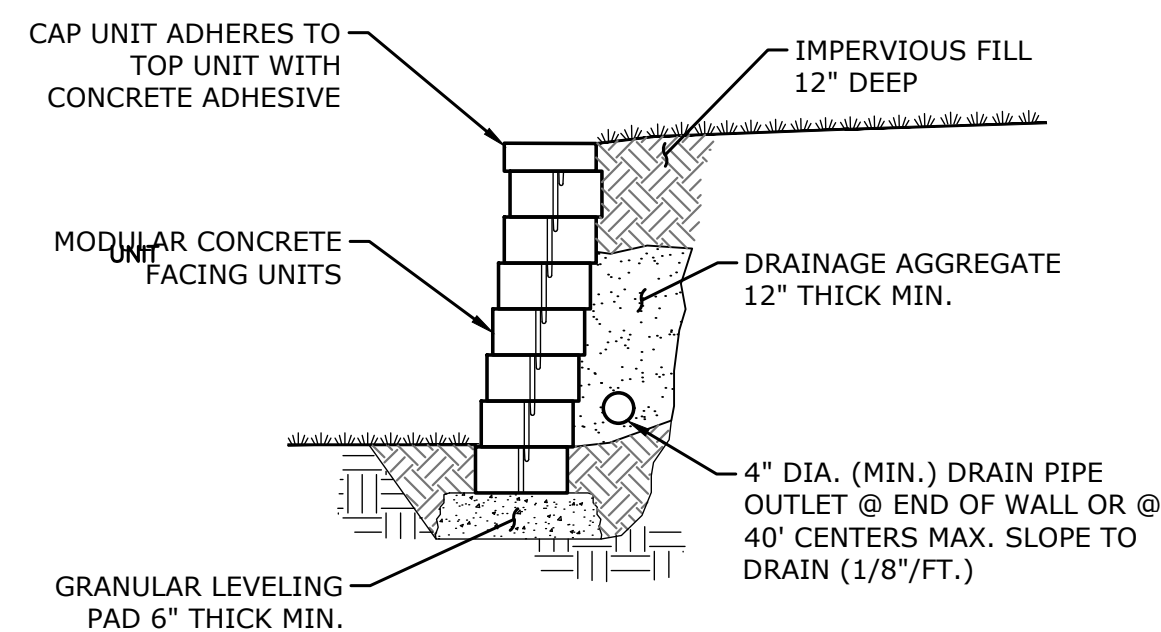
NOT TO SCALE



- NOTE:
1. CROSSPITCH BASE AND SUBBASE TOWARD THE UNDERDRAIN. SEE UNDERDRAIN DETAIL.
 2. EXTEND BASE COURSE TO THE UNDERDRAIN STONE.

REINFORCED GRASSED WALK DETAIL

NOT TO SCALE

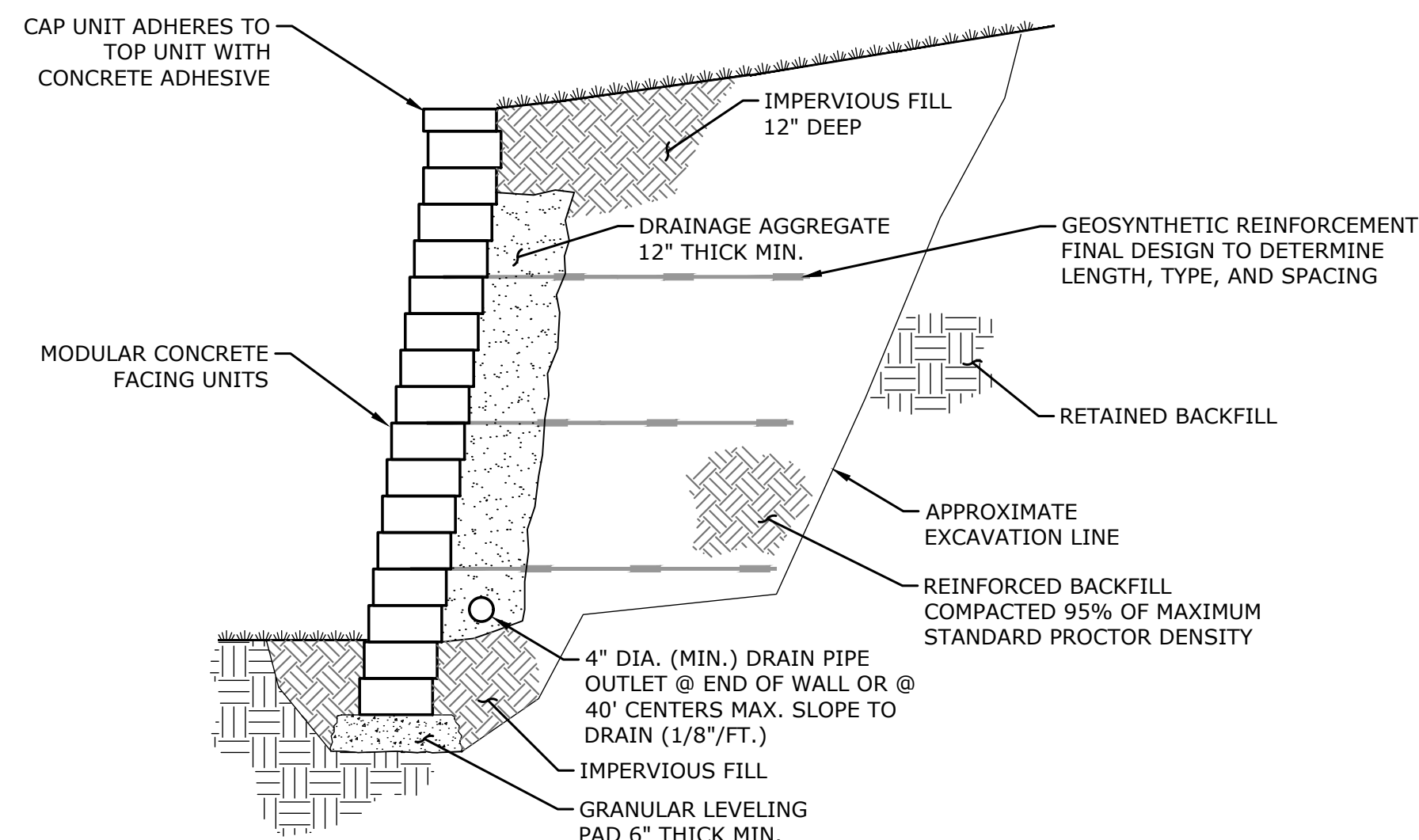


SECTION-REINFORCED RETAINING WALL FOR WALLS OF 36" MAXIMUM EXPOSED HEIGHT

NOT TO SCALE

MODULAR BLOCK RETAINING WALL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EXTERNAL STABILITY OF THE WALL, INCLUDING BEARING CAPACITY AND SLOPE STABILITY, ARE PROPERLY REVIEWED AND EVALUATED BY A LICENSED PROFESSIONAL ENGINEER. THE WALL DESIGN SHOWN IN THESE DETAILS DOES NOT ADDRESS THE SUFFICIENCY OF THE BEARING CAPACITY NOR THE SLOPE STABILITY OF THE WALL SYSTEM AND SURROUNDING SOIL.
2. LEVELING PAD SHALL CONSIST OF WELL GRADED ROAD BASE AGGREGATE, 3/4" CRUSHED, ANGULAR GRAVEL WITH SOME FINES. CONTRACTOR MAY OPT FOR A LEAN CONCRETE LEVELING PAD. IF SO, PAD SHALL BE UNREINFORCED, 200-300 PSI, 3" THICK MAXIMUM. DRAINAGE AGGREGATE SHALL CONSIST OF CLEAN ANGULAR GRAVEL, 3/4" DIAMETER WITH LESS THAN 5% FINES.



SECTION-REINFORCED RETAINING WALL

NOT TO SCALE

3. DRAINAGE PIPE SHALL BE PERFORATED OR SLOTTED PVC OR CORRUGATED HDPE PIPE. REINFORCED BACKFILL SHALL BE FREE OF DEBRIS, ORGANIC SOIL, AND EXPANSIVE SOILS. FOR UNITS TO BE EMBEDDED, COMPACT "FILL" IN FRONT OF UNITS AT THE SAME TIME "FILL" BEHIND UNITS IS COMPACTED. COMPACT TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698)
4. COMPACTION SHALL BE TO 95% COMPACTION. TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE CONTRACTOR'S DESIGN ENGINEER.
5. COMPACTION WITHIN 3FT. OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT. CONTRACTOR SHALL SLOPE SITE GRADES TO DIRECT SURFACE RUNOFF AWAY FROM WALL AT END OF EACH DAY TO AVOID WATER DAMAGING THE WALL WHILE UNDER CONSTRUCTION. ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.
6. RETAINING WALLS GREATER THAN THREE (3') FEET IN HEIGHT MUST BE DESIGNED AND CERTIFIED BY PROFESSIONAL ENGINEER.

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

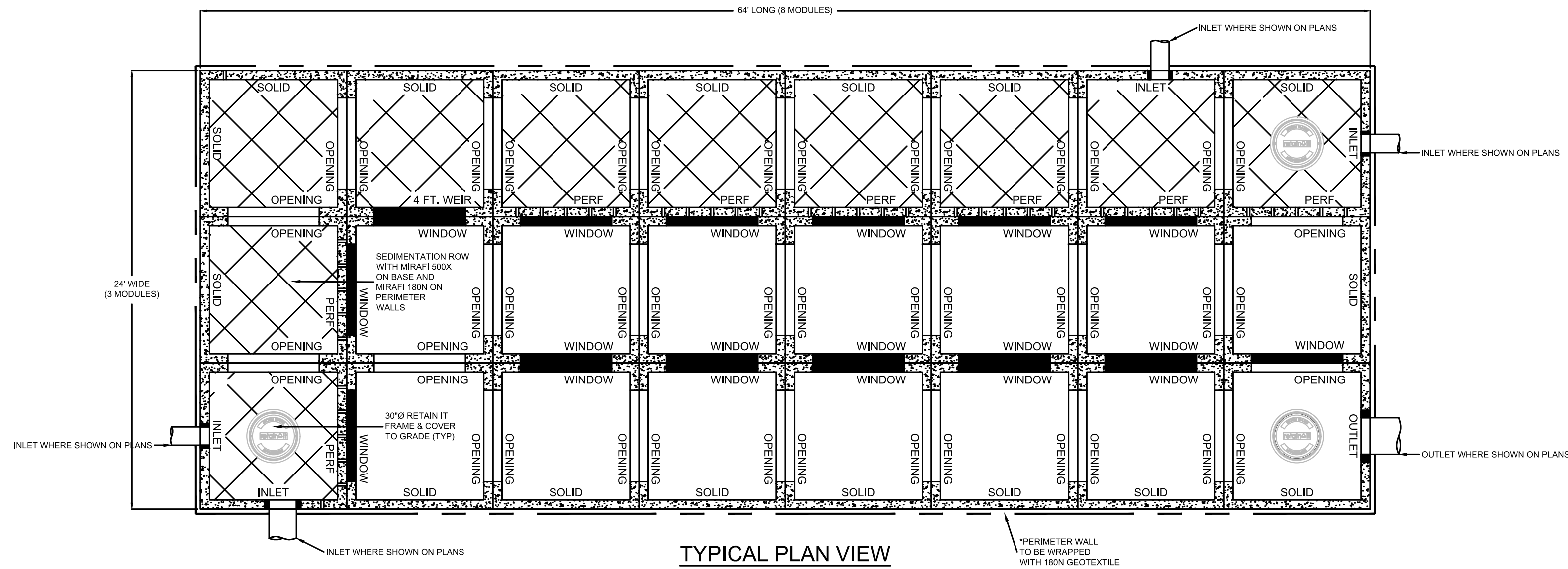
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SITE DETAILS

WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

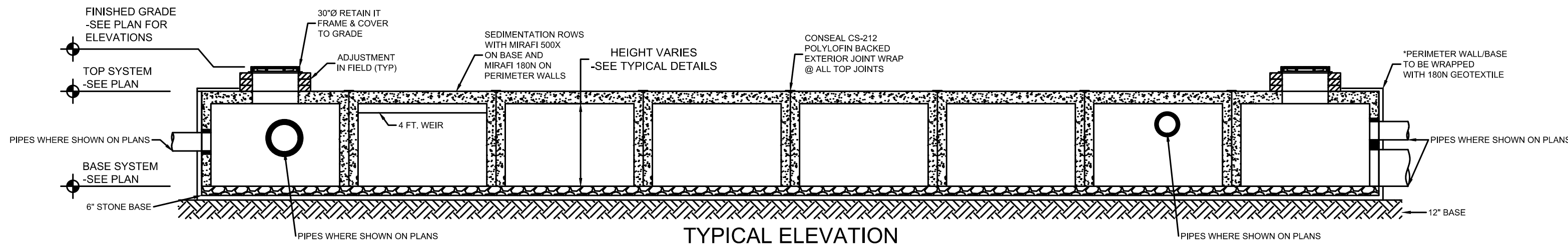
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SEPTEMBER 20, 202		
DATE		
5901-04		
PROJECT NO.		

NOT TO SCALE
DRAWING BY: HARTFORD TURNPIKE
DATE: 09/14/09
PROJECT NO.: 5901-04



TYPICAL PLAN VIEW

- NOTES:
1. REFER TO UTILITY PLAN FOR LAYOUT OF CHAMBERS.
 2. SUBMIT SHOP DRAWING FOR APPROVAL.



TYPICAL ELEVATION

'RETAIN-IT' STORMWATER DETENTION SYSTEM

NOT TO SCALE

ASTM SPECIFICATIONS:

1. CONCRETE - 6,000 PSI, 28 DAYS
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615
3. H-20 DESIGN LOADING PER AASHTO HS-20-44

***GEOTEXTILE/MEMBRANE LAYERS**

- 180N MIRAFI GEOTEXTILE
- 30 MIL PVC LINER
- 180N MIRAFI GEOTEXTILE

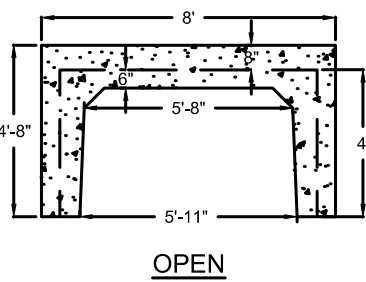
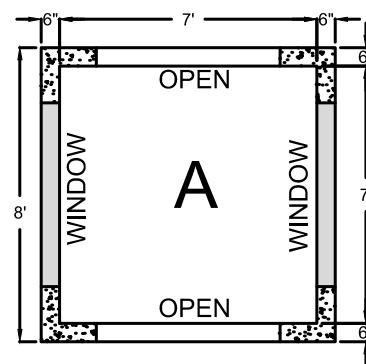
MIRAFI MANUFACTURED BY TENCATE GEOSYNTHETICS OR APPROVED

EQUAC

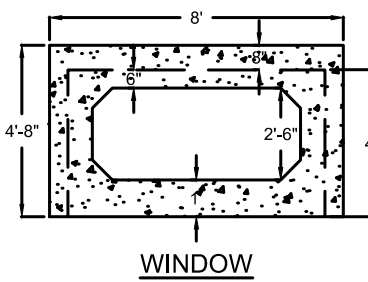
365 SOUTH HOLLAND DRIVE - PENDERGRASS, GA 30567

MEMBRANE MANUFACTURED BY ENVIRONMENTAL PROTECTION INC. (EPI)

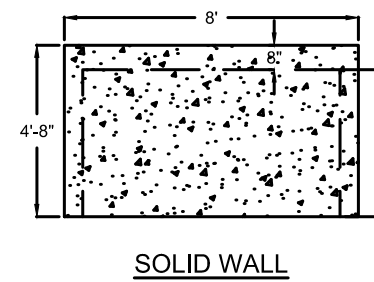
9939 US-131 SOUTH - MANCELONA, MI 49659



OPEN

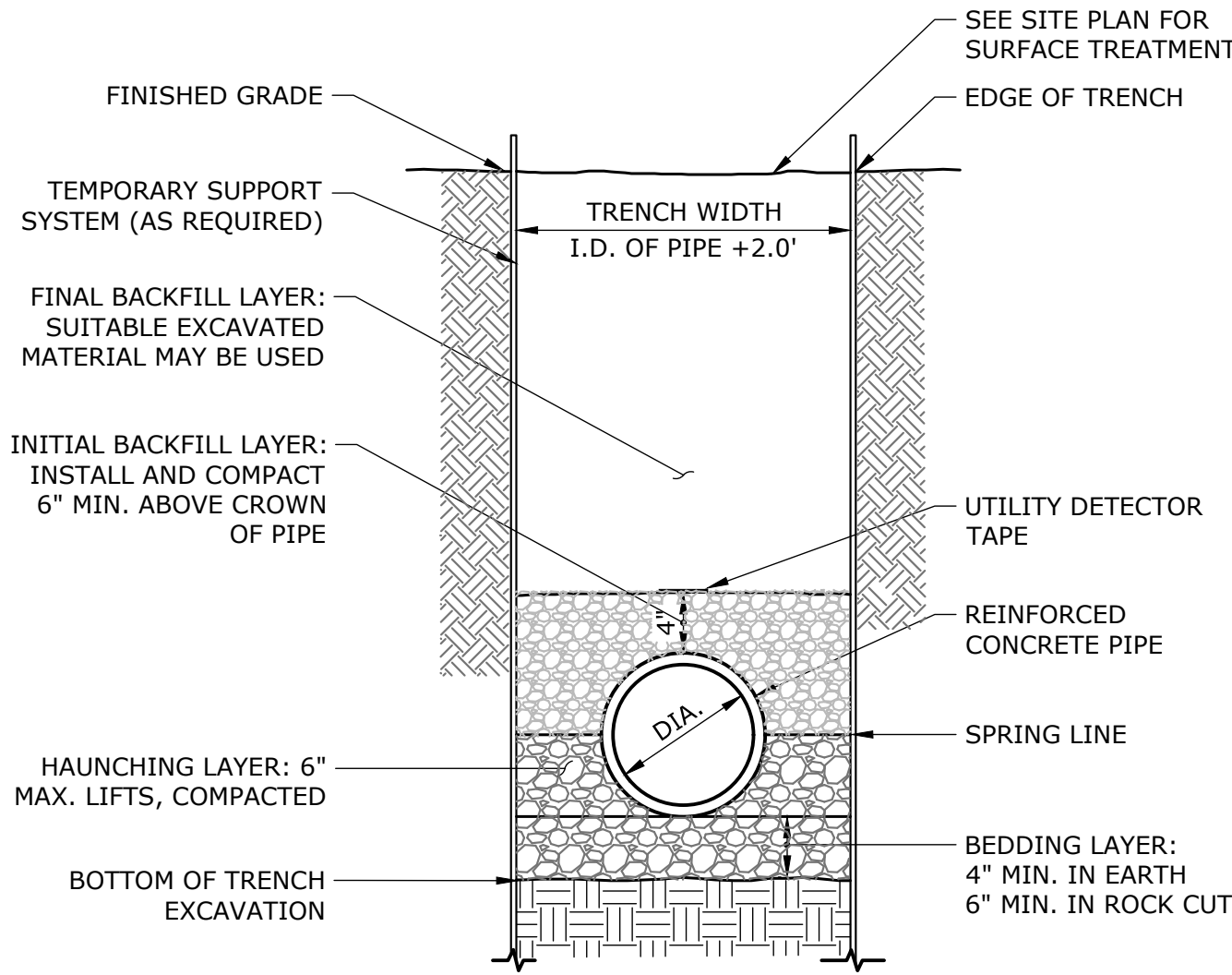


WINDOW



SOLID WALL

TYPICAL 4' MODULE DIMENSIONS

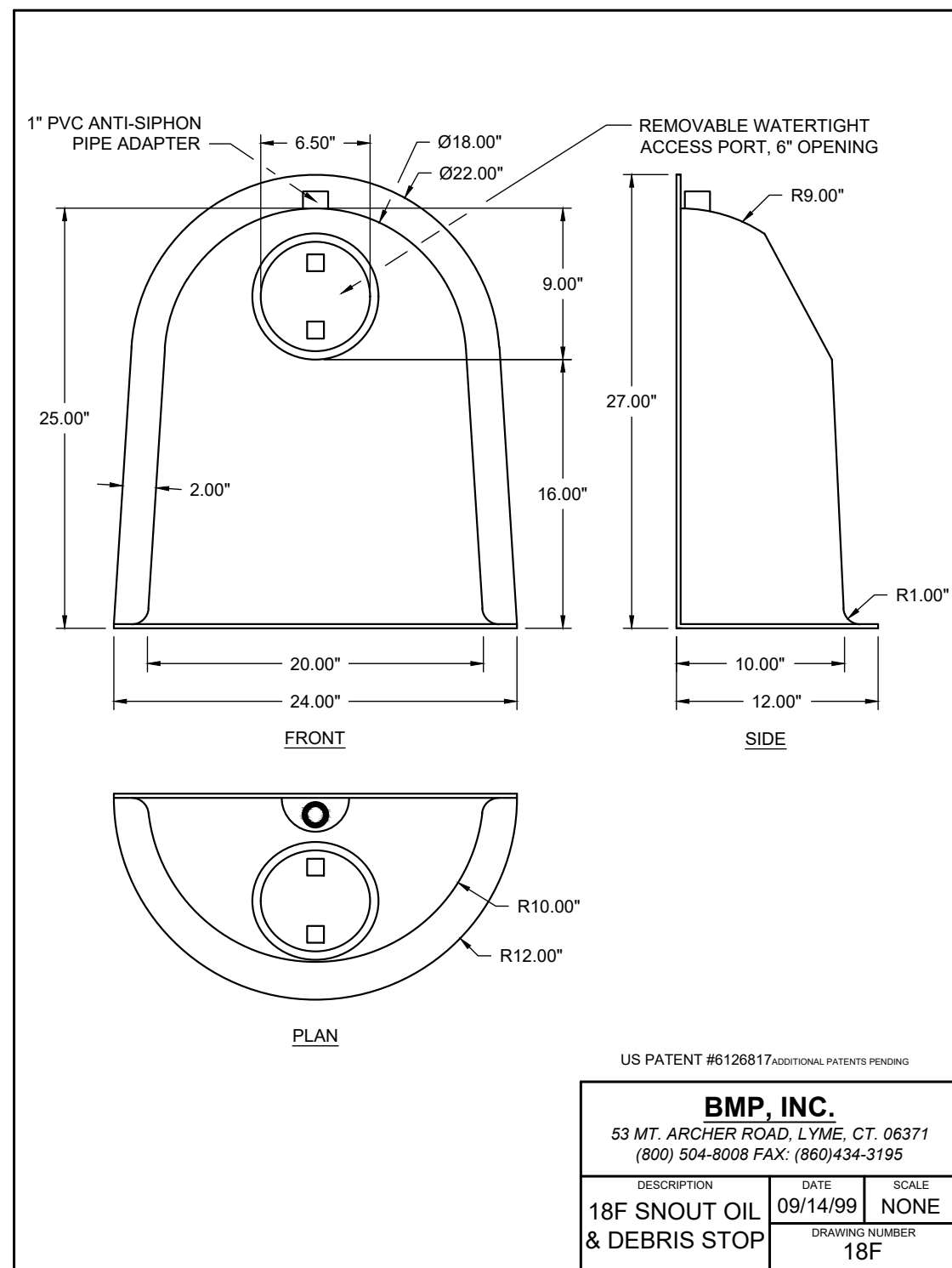


NOTES:

1. BACKFILL MATERIAL USED IN BEDDING, HAUNCHING, AND INITIAL BACKFILL LAYERS SHALL BE 3/4\"/>

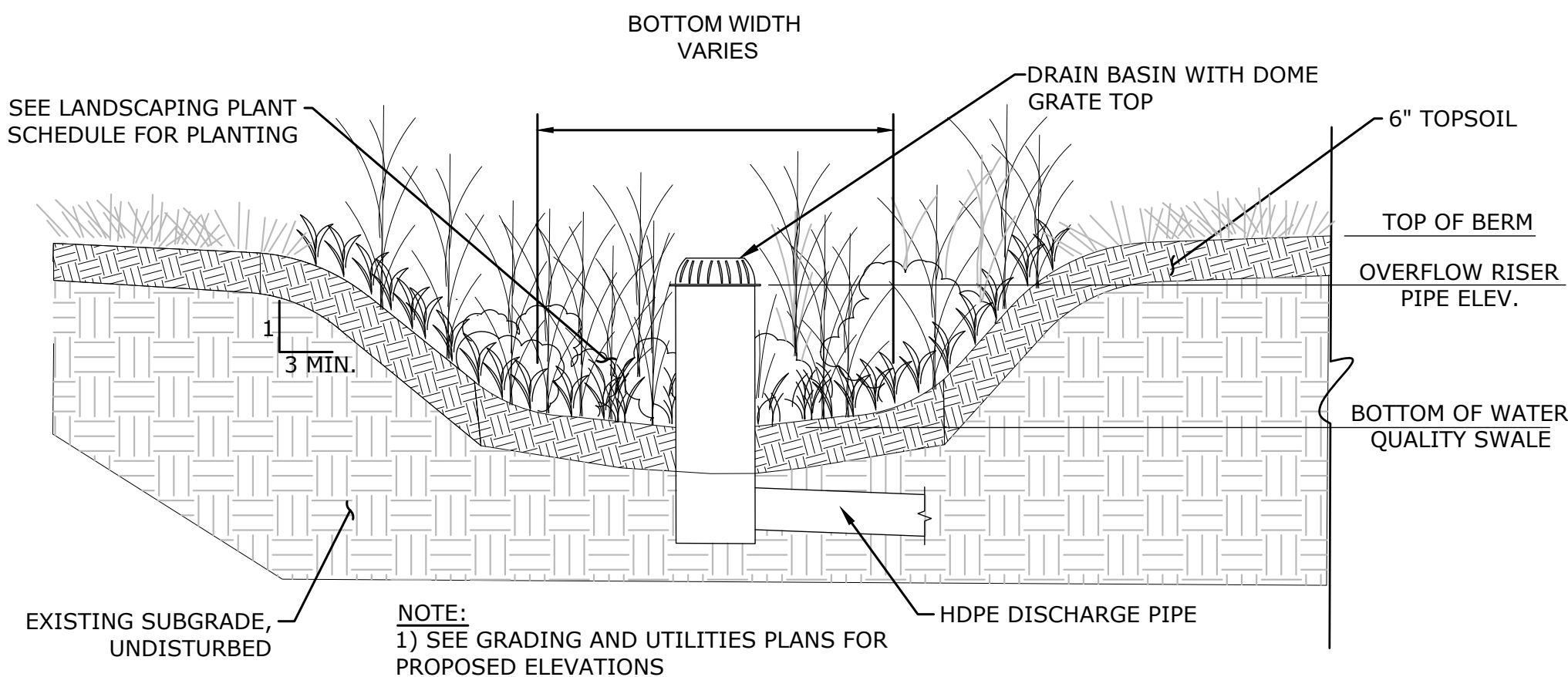
STORM DRAINAGE TRENCH

NOT TO SCALE



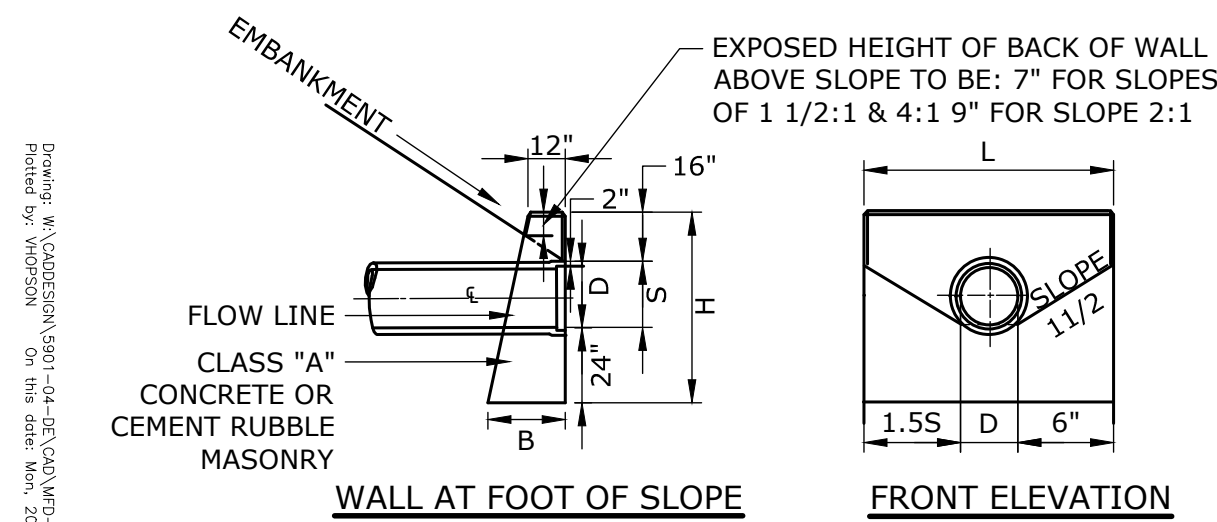
CATCH BASIN HOODED OUTLET (OR APPROVED OTHER)

NOT TO SCALE



WATER QUALITY BASIN - TYPICAL SECTION

NOT TO SCALE



H = TOTAL HEIGHT OF ENDWALL
B = BASE
D = INSIDE DIAMETER OF PIPE
S = HEIGHT OF SLOPE ABOVE FLOW LINE AT FACE OF WALL-MINIMUM = D+2
L = LENGTH OF WALL = 3S+D

ALL EDGES OF EXPOSED SURFACES TO BE CHAMFERED APPROXIMATELY 1"

*VOLUME BASED ON "D" AND WALL THICKNESS AT C OF PIPE HAS BEEN DEDUCTED

ENDWALL

NOT TO SCALE



DESCRIPTION	DATE	BY

SITE DETAILS

WATERFORD APARTMENT COMMUNITY

HARTFORD TURNPIKE

969 HARTFORD TURNPIKE

WATERFORD, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

AS NOTED

SEPTEMBER 20, 2021

5901-04

PROJECT NO.

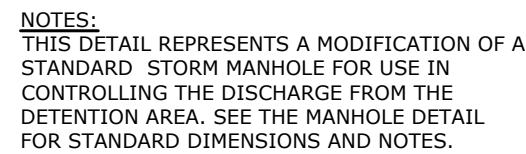
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SHEET NAME

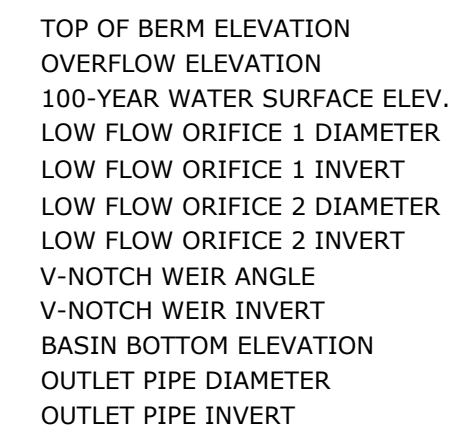
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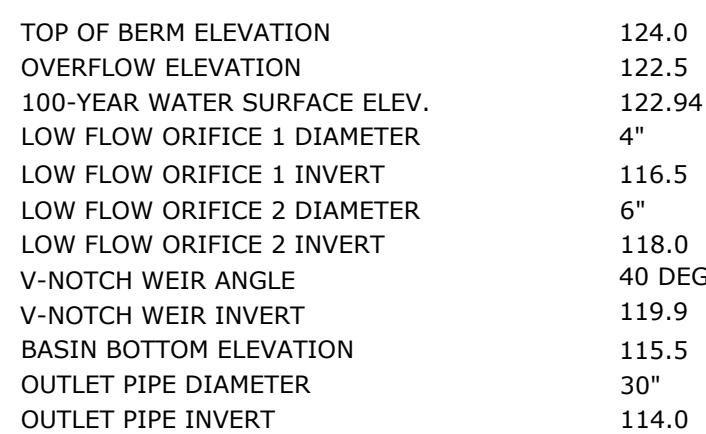
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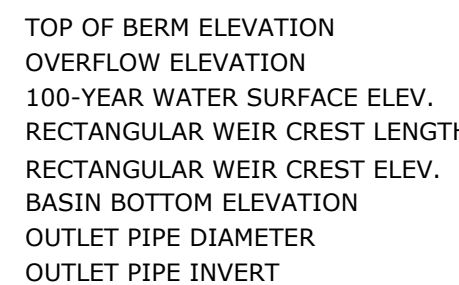
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SCALE: 1"=2'



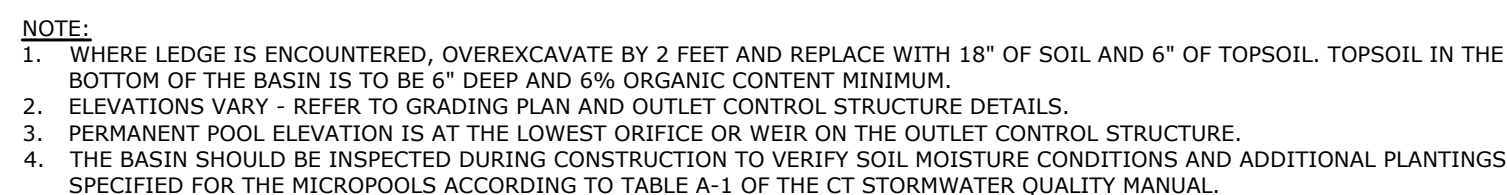
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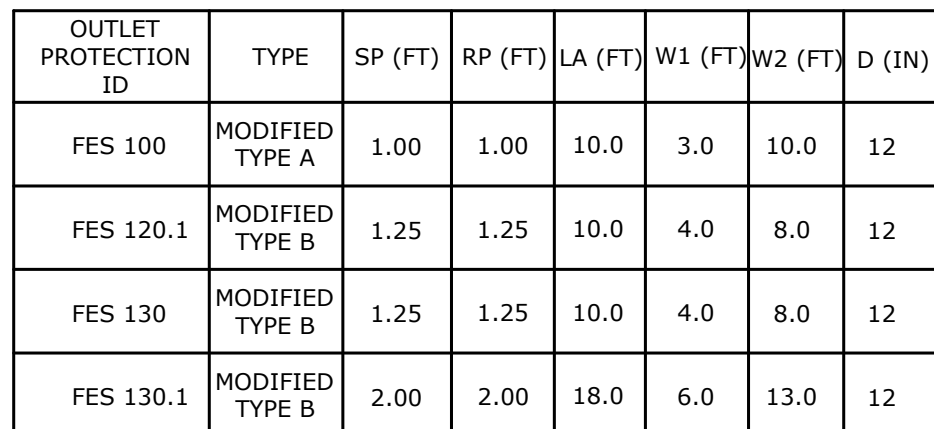
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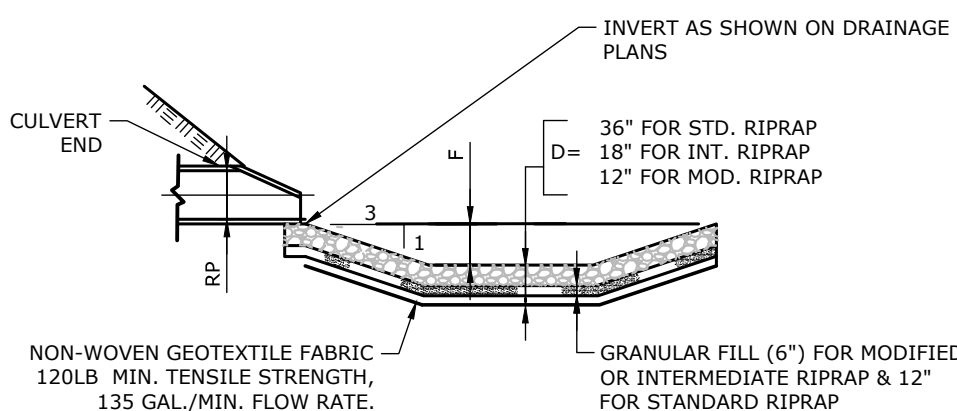
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



ELEVATION

OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	C (FT)	B (FT)	F (FT)	D (IN)
ENDWALL	MODIFIED TYPE 1	2.5	2.5	15.0	13.0	1.25	12.0
FES 110	MODIFIED TYPE 1	2.5	2.5	15.0	13.0	1.25	12.0
FES 120/2	MODIFIED TYPE 1	2.5	2.5	15.0	13.0	1.25	12.0

RIPRAP PREFORMED SCOUR HOLE TABLE

[illegible]

SITE DETAILS

WATERFORD APARTMENT COMMUNITY
HARTFORD TURNPIKE
969 HARTFORD TURNPIKE
WATERFORD, CONNECTICUT

VEH	VEH	DLO
DESIGNED	DRAWN	CHECKED

AS NOTED

SEPTEMBER 20, 2021

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PROJECT NO. _____

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