

1. LAYOUT CRITERIA AND DIMENSIONS FOR BUILDINGS ARE NOT SHOWN ON THIS PLAN. ALL BUILDINGS SHALL BE LOCATED BY A CONNECTICUT LICENSED SURVEYOR AND COORDINATED WITH THE FOUNDATION PLANS SUPPLIED BY THE ARCHITECT OR THEIR CONSULTANT.
2. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. FOR DETAILED INFORMATION PERTAINING TO PROPOSED BUILDINGS REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
4. 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 CONDITIONS.

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS.
2. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 6" MINIMUM DEPTH OF TOPSOIL FOR ALL LAWN AREAS. WATER AS NECESSARY TO ESTABLISH TURF.
3. ALL PLANTING BEDS SHALL HAVE 12" MINIMUM DEPTH OF TOPSOIL.
4. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF SHREDDED MULCH OVER ALL PLANTING BEDS AND TREE 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 SUBSTITUTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND TOWN STAFF.
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. 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. PLACEMENT OF PLANTS ARE APPROXIMATE AND MAY REQUIRE ADJUSTMENT IN THE FIELD BY THE OWNER.
12. TREES CALLED TO REMAIN TO BE EVALUATED BY AN ARBORIST TO CONFIRM THEY ARE HEALTHY.

1. LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE.
2. MAINTAIN 10' HORIZONTAL OR 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER SERVICE LATERALS.
3. INSTALLATION OF WATER AND SANITARY SEWER SHALL CONFORM TO THE TOWN OF WILTON WATER POLLUTION CONTROL AUTHORITY RULES AND REGULATIONS.
4. INSTALL CLEANOUT 5' FROM FACE OF BUILDING
5. COORDINATE WITH RESPECTIVE UTILITY COMPANIES AND COMPLY WITH THEIR RESPECTIVE REQUIREMENTS.
6. ALL CATCH BASINS SHALL HAVE A 4 FOOT SUMP.
7. ALL EXISTING UTILITIES ON SITE TO BE REMOVED.
8. AFTER A FLOOD EVENT, THE BASINS AND STORM STRUCTURES SHALL BE INSPECTED AND ANY ACCUMULATED DEBRIS SHALL BE REMOVED.
9. ALL HDPE PIPE SHALL BE ADS N-12 HDPE.
10. CONTRACTOR SHALL COORDINATE WITH EVERSOURCE AND EVERSOURCE PERSONNEL SHALL BE PRESENT FOR ANY WORK NEAR THE EXISTING EVERSOURCE TRANSMISSION LINE IN DANBURY ROAD.

1. SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER. A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.
2. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MODIFIED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AND THE TOWN'S DESIGNATED REPRESENTATIVE AS NECESSITATED BY CHANGING SITE CONDITIONS
3. INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE FOR A PERIOD OF THREE MONTHS AFTER COMPLETION WHEN RAINFALLS OF ONE INCH OR MORE OCCUR.
4. ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
5. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
6. A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.
7. ALL CATCH BASIN SUMPS SHOULD BE INSPECTED AFTER CONSTRUCTION COMPLETION AND SEDIMENT REMOVED. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED LOCATION.
8. MINIMUM VERTICAL SEPARATION BETWEEN WATER AND GAS LINES SHALL BE 12 INCHES.

SEE CONSTRUCTION MANAGEMENT PLAN PREPARED BY AMS CONSTRUCTION MANAGEMENT LLC

UPON SITE DEVELOPMENT, THERE WILL BE A NEED TO PERIODICALLY MAINTAIN STORMWATER SYSTEMS ON THE PROPERTY.

A. CATCH BASINS/YARD DRAINS

SEDIMENT SHOULD BE REMOVED WHEN IT EXTENDS TO WITHIN 6 INCHES OF THE OUTLET PIPE INVERT OR NOT LESS THAN ONCE PER YEAR. CLEANOUT WITH A VACUUM TRUCK IS GENERALLY THE BEST AND MOST CONVENIENT METHOD. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED OFF-SITE LOCATION IN ACCORDANCE WITH TOWN AND STATE REQUIREMENTS.

PAVEMENT SWEEPING

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.

B. PROPRIETARY HYDRODYNAMIC SEPARATOR

C. UNDERGROUND DETENTION SYSTEMS

ISOLATOR ROW

- 1) THE ISOLATOR ROW UNIT SHALL BE COMPLETELY CLEANED OF ACCUMULATED DEBRIS AND SEDIMENTS AT THE COMPLETION OF CONSTRUCTION.
- 2) THE ISOLATOR ROW SHALL BE INSPECTED EVERY 6 MONTHS FOR THE FIRST YEAR OF OPERATION.
- 3) FOR SUBSEQUENT YEARS, THE INSPECTION SHOULD BE ADJUSTED BASED UPON PREVIOUS OBSERVATION OF SEDIMENT DEPOSITION. AT A MINIMUM, THE ISOLATOR ROW SHALL BE INSPECTED ANNUALLY.
- 4) IF UPON VISUAL INSPECTION THE SEDIMENT DEPOSIT ALONG THE LENGTH OF THE ISOLATOR ROW EXCEEDS 3 INCHES, CLEANOUT SHALL BE PERFORMED.
- 5) MAINTENANCE IS ACCOMPLISHED WITH THE JETVAC PROCESS.

E. LAWN AND VEGETATED AREAS

VEGETATED COVER SHALL BE MAINTAINED ON ALL EARTH SURFACES TO MINIMIZE SOIL EROSION. USE OF FERTILIZER SHOULD BE MINIMIZED AND APPLIED USING PRUDENT APPLICATION PROCESSES.

F. ROOF GUTTERS

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.

G. AFTER A FLOOD EVENT, THE BASINS AND STORM STRUCTURES SHALL BE INSPECTED AND ANY ACCUMULATED DEBRIS SHALL BE REMOVED.

EXISTING		PROPOSED
	STREET LINE	
	PROPERTY LINE	
	SETBACK LINE	
	MAJOR CONTOUR	
	MINOR CONTOUR	
	SPOT GRADE	
	TREE LINE	
	TREE/ SHRUB	
	ROCKWALL	
	SITE LIGHT / BOLLARD LIGHT	
	HYDRANT	
	WATER VALVE	
	GAS VALVE	
	CATCH BASIN	
	MANHOLE/YARD DRAIN	
	SANITARY SEWER W/MANHOLE	
	STORM DRAIN	
	WATER MAIN	
	GAS MAIN	
	ELECTRIC LINE	
	ELECTRIC, TELEPHONE, CABLE	
	UTILITY POLE	
	TRAFFIC SIGN	
	IRON PIPE	
	MONUMENT	
	EDGE OF PAVEMENT W/CURB	
	GUARD RAIL	
	CHAIN LINK FENCE	
	WATERCOURSE	
	WETLAND	

BORINGS WERE PERFORMED ON DECEMBER 12, 2023, OBSERVED BY SLR CONSULTING.

SLR-2

DEPTH=12'
0'-0.33' ASPHALT
0.33'-1' GRAY, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, TRACE SILT
1'-3.8' GRAY, FINE TO MEDIUM SAND, LITTLE SILT, SOME ORGANIC SILT, LITTLE FINE GRAVEL
3.8'-12' BLACK, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
GROUNDWATER AT 3.7'
PERMEABILITY=0.8 INCHES/HOUR

SLR-3

DEPTH=27'
0'-0.25' ASPHALT
0.25'-2.4' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
2.4'-4.3' DARK BROWN, FINE TO COARSE SAND, SOME ORGANIC SILT
3'-5' DARK BROWN-BLACK, FINE TO COARSE SAND AND ORGANIC SILT, LITTLE FINE GRAVEL
5'-6' LIGHT BROWN, FINE TO COARSE SAND, SOME SILT
6'-10' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, LITTLE SILT
10'-15' GRAY-BROWN, FINE TO COARSE SAND, LITTLE FINE GRAVEL, TRACE SILT
15'-20' GRAY, FINE TO COARSE SAND, LITTLE FINE GRAVEL, TRACE SILT
20'-25' GRAY-BROWN TO COARSE SAND, SOME FINE TO COARSE GRAVEL, TRACE SILT
25'-27' GRAY, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
GROUNDWATER AT 6.3'

SLR-4

DEPTH=17'
0'-0.75' DARK BROWN, FINE TO MEDIUM SAND, SOME SILT, TRACE ORGANIC
0.75'-2' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, TRACE SILT
2'-5' DARK BROWN-BLACK, FINE TO MEDIUM SAND, SOME ORGANIC SILT, TRACE FINE GRAVEL
5'-10' BLACK, FINE TO MEDIUM SAND, SOME ORGANIC SILT
10'-15' GRAY, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
15'-17' GRAY, FINE TO COARSE SAND, TRACE FINE GRAVEL, TRACE SILT
GROUNDWATER AT 10'

SLR-5

DEPTH=12'
0'-0.25" ASPHALT
0.25'-1' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, SOME SILT
1'-3' BROWN, FINE TO COARSE SAND, SOME SILT
3'-12' GRAY-BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, SOME SILT
GROUNDWATER AT 3.5'
PERMEABILITY=2.5 INCHES/HOUR

SLR-6

DEPTH=17'
0.0-0.25' ASPHALT
0.25-3' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
3'-3.5' DARK BROWN, FINE TO MEDIUM SAND, SOME ORGANIC SILT
3.5'-5' BROWN, FINE TO COARSE SAND, LITTLE SILT, TRACE FINE GRAVEL
5'-7' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
7'-10' BROWN-GRAY, FINE TO COARSE GRAVEL AND FINE TO COARSE SAND, LITTLE SILT
10'-17' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
GROUNDWATER AT 5'
PERMEABILITY=10.6 INCHES/HOUR

SLR-7

DEPTH=12'
0'-0.3' ASPHALT
0.3'-5' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, SOME SILT
5'-7' BROWN, FINE TO MEDIUM SAND, LITTLE FINE GRAVEL
7'-10' BROWN, FINE TO COARSE GRAVEL AND FINE TO COARSE SAND, SOME SILT
10'-12' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, SOME SILT
GROUNDWATER AT 5'
PERMEABILITY=2.1 INCHES/HOUR

SLR-8

DEPTH = 27'
0'-0.33' ASPHALT
0.33'-1' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, LITTLE SILT
1'-1'-3' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
3'-5' BROWN, FINE TO COARSE GRAVEL AND FINE TO COARSE SAND, LITTLE SILT
5'-10' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
10'-15' BROWN, FINE TO COARSE GRAVEL AND FINE TO COARSE SAND, LITTLE SILT
15'-16' BROWN, FINE TO COARSE SAND, LITTLE SILT
16'-25' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, LITTLE SILT
25'-27' BROWN, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, LITTLE SILT
GROUNDWATER AT 8.9'
PERMEABILITY = 10.9 INCHES/HOUR

SLR-9

DEPTH=11.3'
0'-2.5' DARK BROWN, FINE TO MEDIUM SAND, SOME SILT, TRACE ORGANIC MATTER
2.5'-3' BROWN, FINE TO MEDIUM SAND AND SILT, TRACE ORGANIC MATTER
3'-11.3' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
GROUNDWATER AT 8.8'

SLR-10

DEPTH=32'
0'-0.5' DARK BROWN, FINE TO MEDIUM SAND, SOME SILT, TRACE ORGANIC MATTER, TRACE FINE L
0.5'-10' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
10'-15' BROWN, FINE TO COARSE GRAVEL AND FINE TO COARSE SAND, TRACE SILT
15'-25' BROWN, FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, TRACE SILT
25'-32' BROWN, FINE TO COARSE SAND, LITTLE FINE TO COARSE GRAVEL, TRACE SILT
GROUNDWATER AT 9'

131 DANBURY ROAD
WILTON, CONNECTICUT

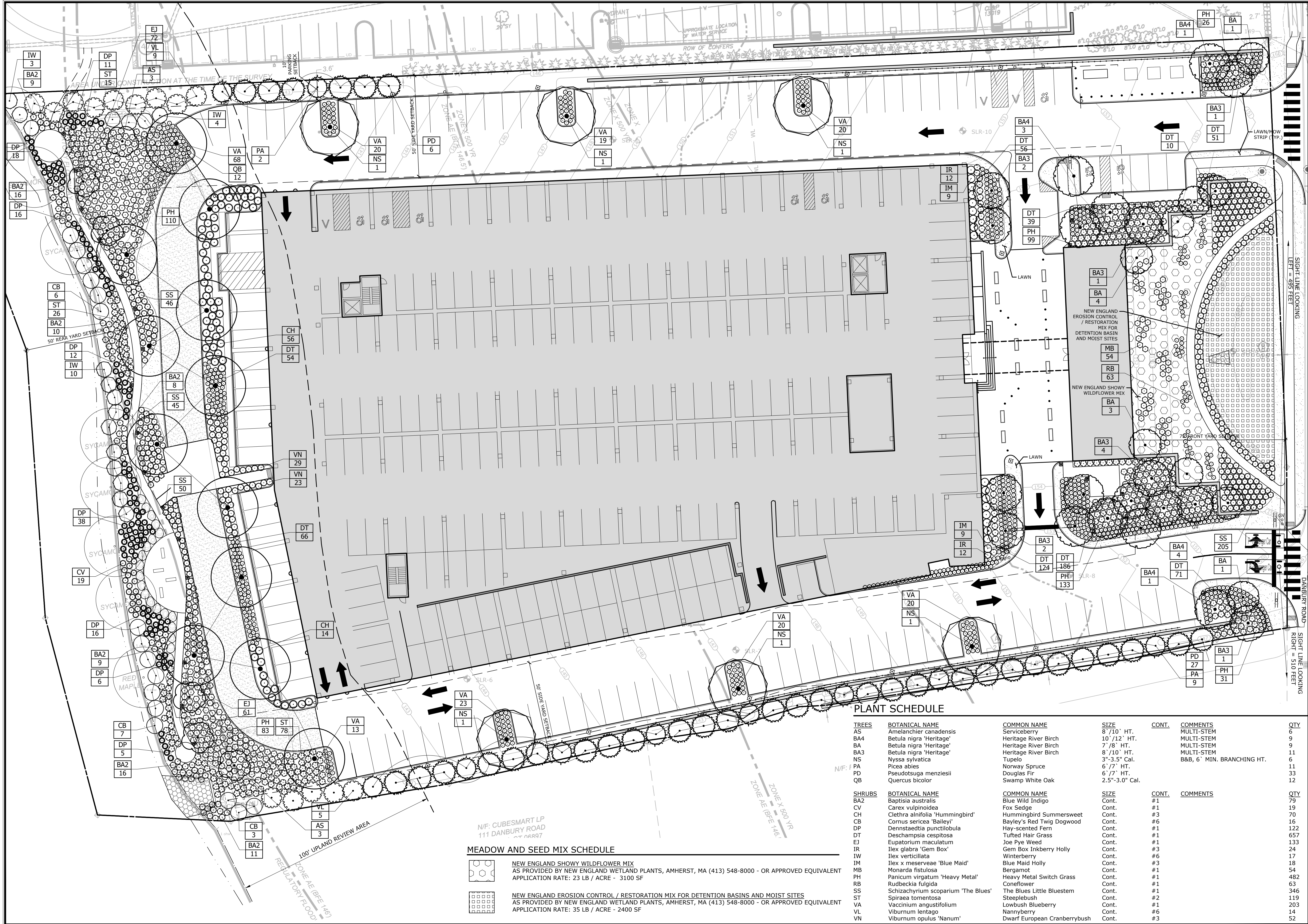
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OCTOBER 23, 2023

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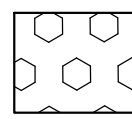
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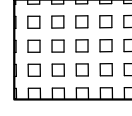


N/F: CUBESMART LP
111 DANBURY ROAD
AT 04897

MEADOW AND SEED MIX SCHEDULE



NEW ENGLAND SHOWY WILDFLOWER MIX
AS PROVIDED BY NEW ENGLAND WETLAND PLANTS, AMHERST, MA (413) 548-8000 - OR APPROVED EQUIVALENT
APPLICATION RATE: 23 LB / ACRE - 3100 SF



NEW ENGLAND EROSION CONTROL / RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES
AS PROVIDED BY NEW ENGLAND WETLAND PLANTS, AMHERST, MA (413) 548-8000 - OR APPROVED EQUIVALENT
APPLICATION RATE: 35 LB / ACRE - 2400 SF

PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS	QTY
AS	Amelanchier canadensis	Serviceberry	8' / 10' HT.			6
BA4	Betula nigra 'Heritage'	Heritage River Birch	10' / 12' HT.			9
BA	Betula nigra 'Heritage'	Heritage River Birch	7' / 8' HT.			9
BA3	Betula nigra 'Heritage'	Heritage River Birch	8' / 10' HT.			11
NS	Nyssa sylvatica	Tupelo	3"-3.5" Cal.			6
PA	Picea abies	Norway Spruce	6' / 7' HT.			11
PO	Pseudotsuga menziesii	Douglas Fir	6' / 7' HT.			33
QB	Quercus bicolor	Swamp White Oak	2.5"-3.0" Cal.			12
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	COMMENTS	QTY
BA2	Baptisia australis	Blue Wild Indigo	Cont.	#1		79
CV	Carex vulpinoidea	Fox Sedge	Cont.	#1		19
CH	Clethra alnifolia 'Hummingbird'	Hummingbird Summersweet	Cont.	#3		70
CB	Cornus sericea 'Baileyi'	Bayley's Red Twig Dogwood	Cont.	#6		16
DP	Dennstaedtia punctilobula	Hay-scented Fern	Cont.	#1		122
DT	Deschampsia cespitosa	Tufted Hair Grass	Cont.	#1		657
EJ	Eupatorium maculatum	Joe Pye Weed	Cont.	#1		133
IR	Ilex glabra 'Gem Box'	Gem Box Inkberry Holly	Cont.	#3		24
IW	Ilex verticillata	Winterberry	Cont.	#6		17
IM	Ilex x meserveae 'Blue Maid'	Blue Maid Holly	Cont.	#3		18
MB	Monarda fistulosa	Bergamot	Cont.	#1		54
PH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	Cont.	#1		482
RB	Rudbeckia fulgida	Coneflower	Cont.	#1		63
SS	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	Cont.	#1		346
ST	Spiraea tomentosa	Steeplebush	Cont.	#2		119
VA	Vaccinium angustifolium	Lowbush Blueberry	Cont.	#1		203
VL	Viburnum lentago	Nannyberry	Cont.	#6		14
VN	Viburnum opulus 'Nanum'	Dwarf European Cranberrybush	Cont.	#3		52

SLR

99 REALTY DRIVE
SUITE 100
283.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG
PEER REVIEW COMMENTS	10/26/2024	AWG
PEER REVIEW COMMENTS	27/13/2024	AWG
PEER REVIEW COMMENTS	2/28/2024	AWG

SITE PLAN - LANDSCAPING

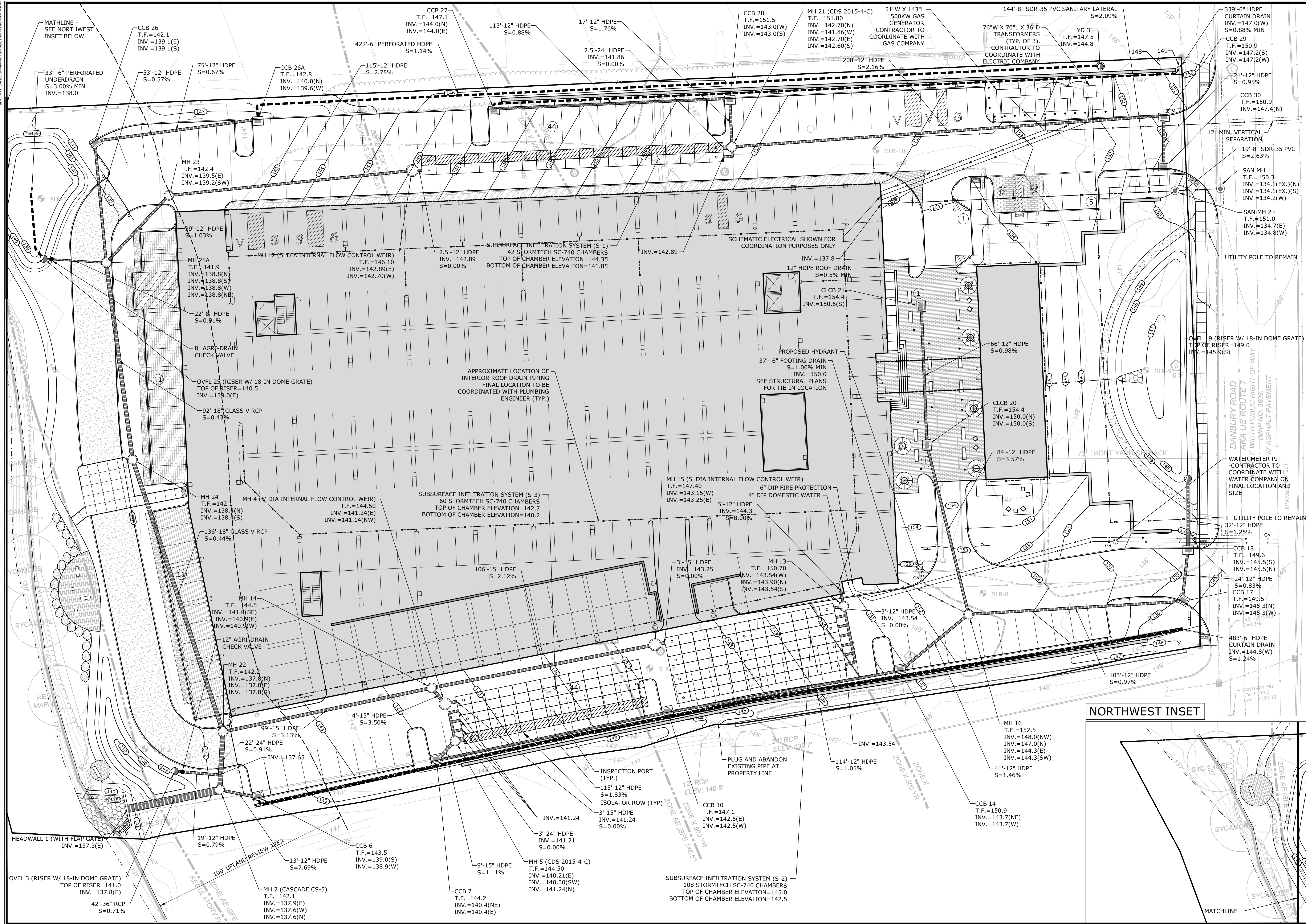
PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

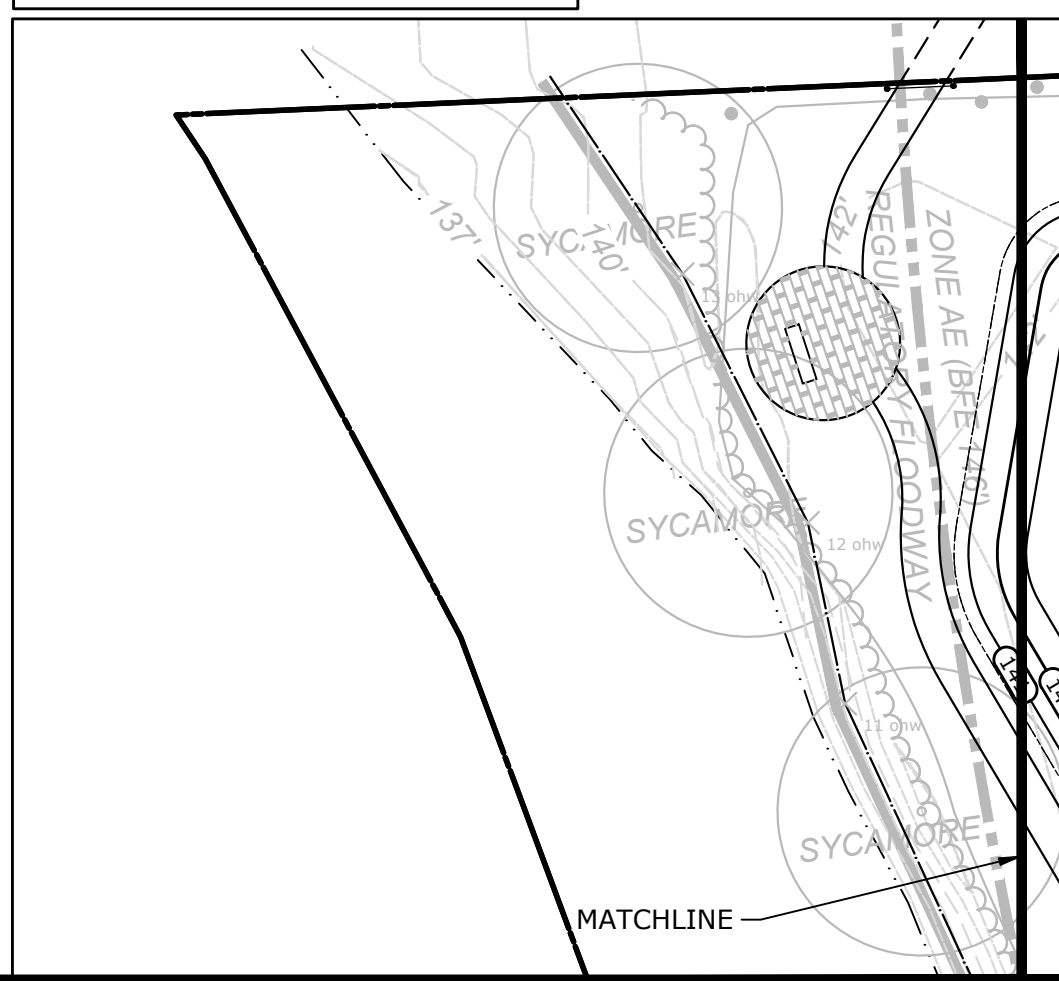
AWG	AWG	TD
DESIGNED	DRAWN	CHECKED

SCALE
1"=20'
OCTOBER 23, 2023
DATE
PROJECT NO.
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SHEET NO.
06 OF 25

LS



NORTHWEST INSET



SLR

99 REALTY DRIVE
SUITE 100
283.271.1773
SLRCONSULTING.COM

DATE

BY

DESCRIPTION

WPCA REVISIONS

PAZ SUBMISSION

PEER REVIEW COMMENTS

PEER REVIEW COMMENTS

PEER REVIEW COMMENTS

11/14/2023

AWG

11/27/2023

AWG

10/26/2024

AWG

2/13/2024

AWG

2/28/2024

AWG

SITE PLAN - UTILITIES

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG

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TD

DESIGNED

DRAWN

CHECKED

1"=20'

OCTOBER 23, 2023

DATE

PROJECT NO.

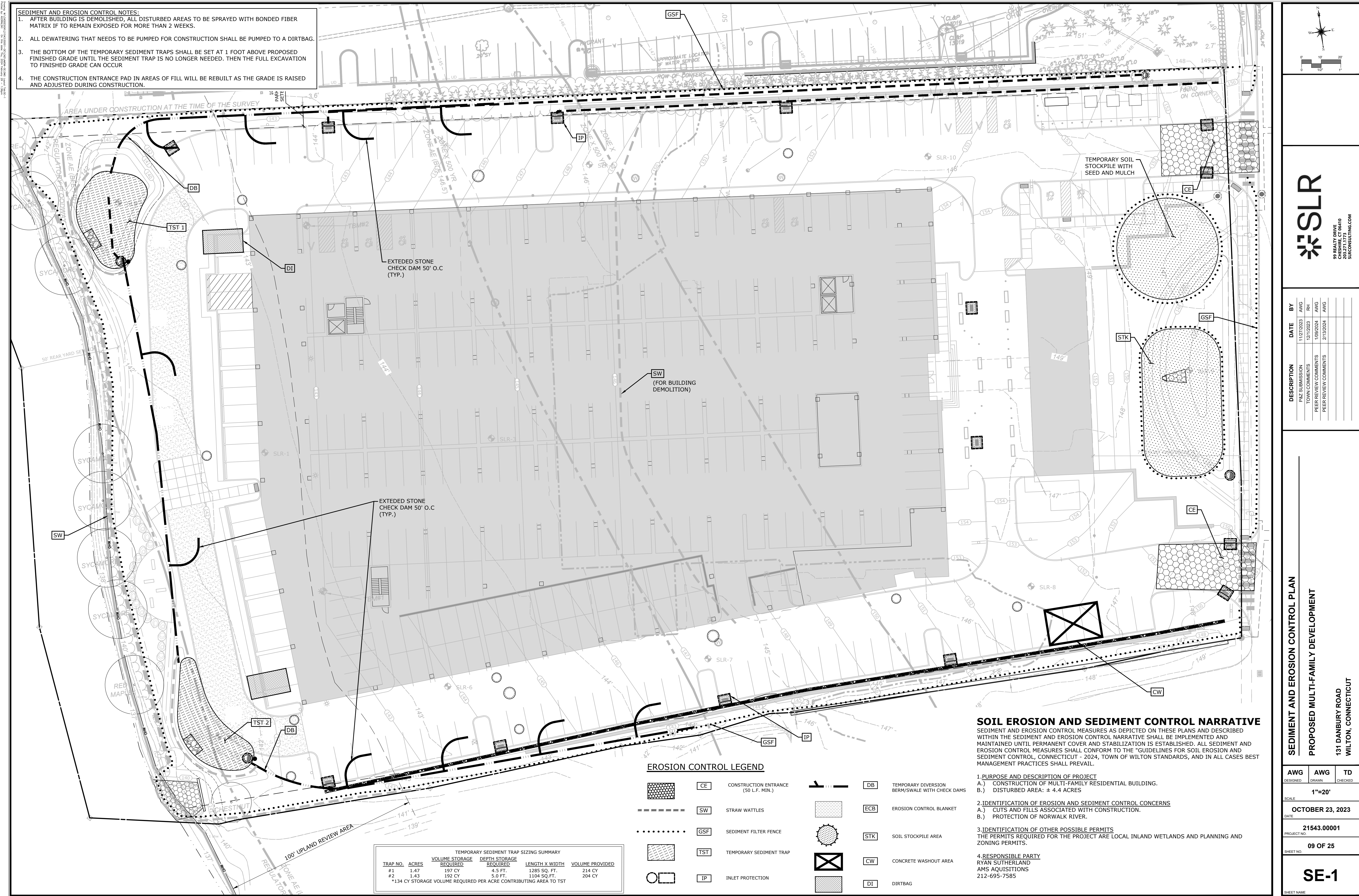
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SEDIMENT AND EROSION CONTROL SPECIFICATIONS

GENERAL:

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

LAND GRADING

GENERAL:

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

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.
2. UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.
4. APPLY SOIL AMENDMENTS AS FOLLOWS:
 - LIME: ACCORDING TO SOIL TEST OR AT THE RATE OF 2 TONS PER ACRE.

ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 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 LARGE STONES, LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, URGASS, AND QUACKGRASS.
4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
5. SOLUBLE SALT CONTENT OF LESS THAN 400 PPM IS REQUIRED.
6. THE TOPSOIL SHALL BE WARRANTED BY SELLER TO BE FREE OF DETECTABLE RESIDUES OF CHEMICAL PESTICIDES, HERBICIDES, PETROLEUM PRODUCTS, OR OTHER UNSUITABLE TOXINS.

APPLICATION:

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

TEMPORARY VEGETATIVE COVER

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

GENERAL:

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

SITE PREPARATION:

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

PERMANENT VEGETATIVE COVER

GENERAL:

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

SITE PREPARATION:

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 SOIL AMENDMENTS AS FOLLOWS:
 - LIME: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE.
6. UNLESS HYDROSEEDED, WORK IN LINE TO A DEPTH OF 4 INCHES WITH A DISK OR ANY SUITABLE EQUIPMENT. DO NOT WORK FINISHED COMPOST

VEGETATIVE COVER SELECTION AND MULCHING

TEMPORARY VEGETATIVE COVER:

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

* PERMANENT VEGETATIVE COVER:

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

NEW ENGLAND EROSION CONTROL/RESOTRATION MIX FOR MOIST SITES AT 1/8 LB PER 1000 S.F. FOR 5 LBS/AC.

NEW ENGLAND SHOWY WILD FLOW MIX AT 1/16 LB PER 1000 S.F. OR 2 LBS/AC

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

TEMPORARY MULCHING:

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

ESTABLISHMENT:

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

MAINTENANCE:

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

EROSION CHECKS

GENERAL:

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

CONSTRUCTION:

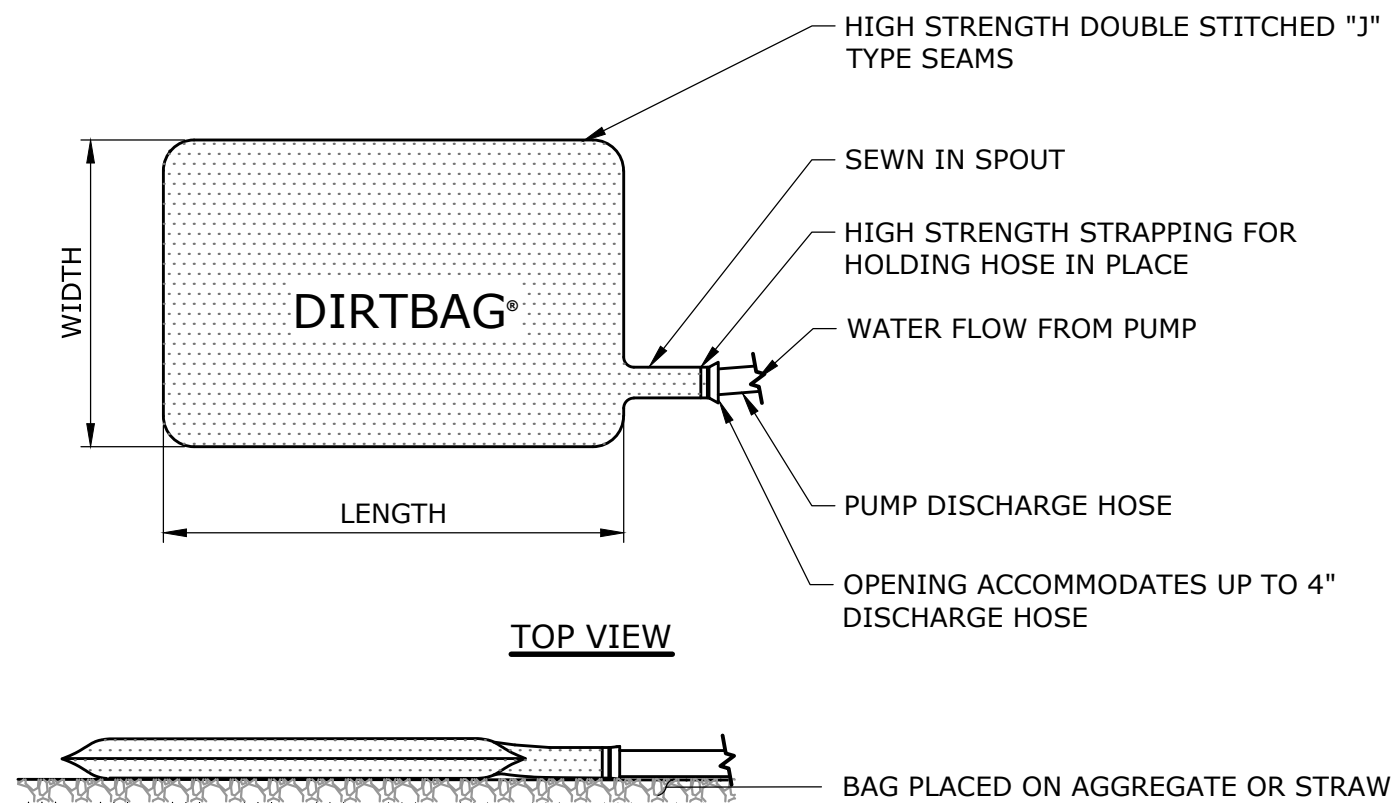
1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE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

INSTALLATION AND MAINTENANCE:

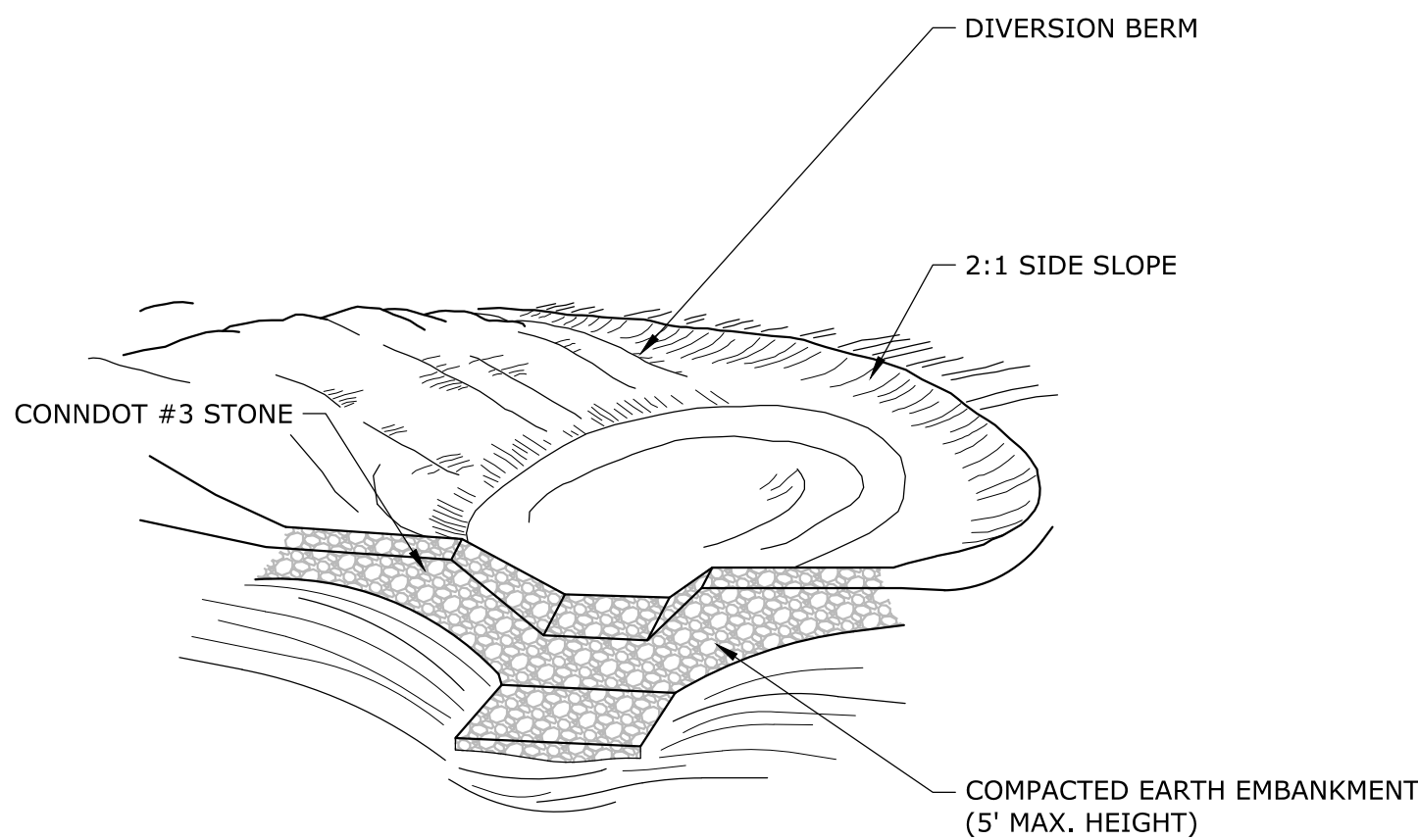
1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DETERMINED APPROPRIATE DURING CONSTRUCTION.
3. ALL EROSION CHECKS SHALL BE MAINTAINED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

EROSION CONTROL MAINTENANCE INTERVALS

EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
SILT FENCE (SF) STRAW WATTLES (SW) (RELATED: IP, STK)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE ITS DEPTH IS EQUAL TO 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/STRAW WATTLES MAY BE REMOVED AFTER UPHILL AND SENSITIVE AREAS HAVE BEEN PERMANENTLY STABILIZED.
CONSTRUCTION ENTRANCE (CE)	- REDUCE THE TRACKING OF SEDIMENT OFF-SITE ONTO PAVED SURFACES.	INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC ADDITION OF STONE, OR LENGTHENING OF ENTRANCE MAY BE REQUIRED AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES AS A RESULT OF INEFFICIENCY OF CONSTRUCTION ENTRANCE SHALL BE IMMEDIATELY REMOVED.	- SEDIMENT IN ROADWAY ADJACENT TO SITE	CONSTRUCTION ENTRANCE MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL OTHER SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
INLET PROTECTION (IP)	- PROHIBIT SILT IN CONSTRUCTION-RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT, REMOVE SEDIMENT FROM BAG. CHECK SURROUNDING SILT FENCE AND HAY BALES PER NOTED ABOVE.	- RIPPED BAG - FAILED HAY BALES / SILT FENCE - 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 - EXCESSIVE SCOURING/EROSION - FAILURE OF SILT FENCE	STOCKPILE PROTECTION MAY BE REMOVED ONCE THE STOCKPILE IS USED OR REMOVED.
TEMPORARY SEDIMENT TRAP (TST)	- DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL DISTURBED AREAS LONG ENOUGH TO ALLOW A MAJORITY OF THE SEDIMENT TO SETTLE OUT.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. STONE OUTLET SHOULD BE AT LEAST 1 FOOT BELOW CREST OF EMBANKMENT. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACHES ½ OF THE REQUIRED WET STORAGE.	- TURBID WATER - EXCESSIVE SEDIMENT ACCUMULATION - OVERTOPPING EVIDENCE	TST MAY BE REMOVED ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
TEMPORARY DIVERSION BERM/SWALE (DB)	- 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.
DUST CONTROL (DC)	- 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/LIFE, 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. PERIODICALLY 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.



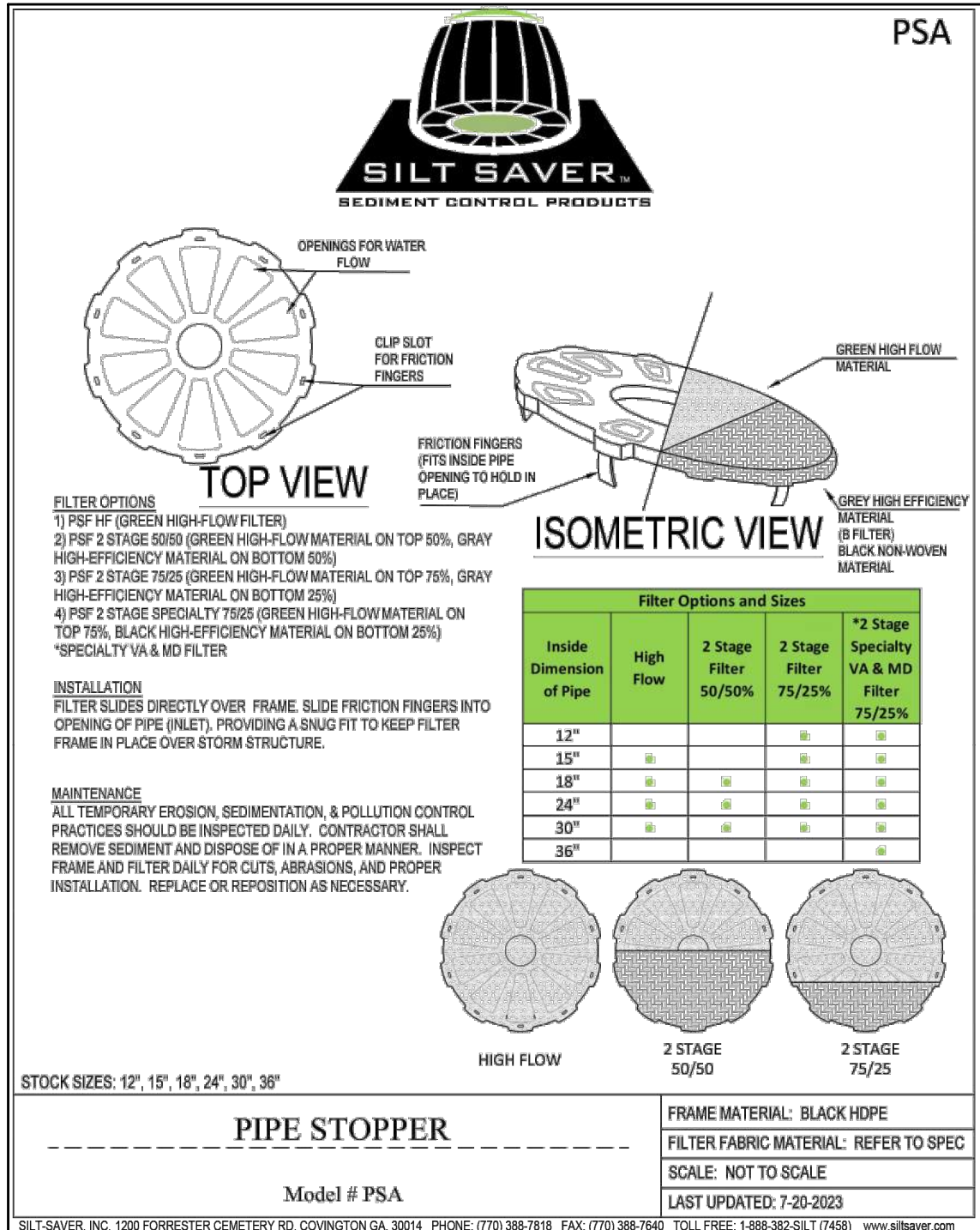
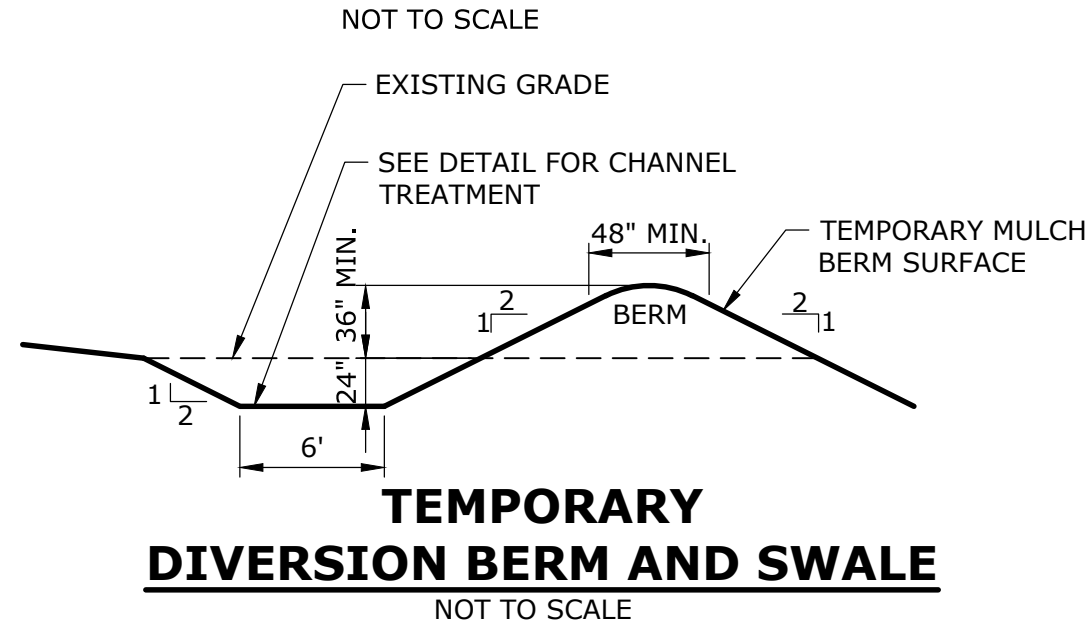
DIRTBAG PUMPED SILT CONTROL SYSTEM



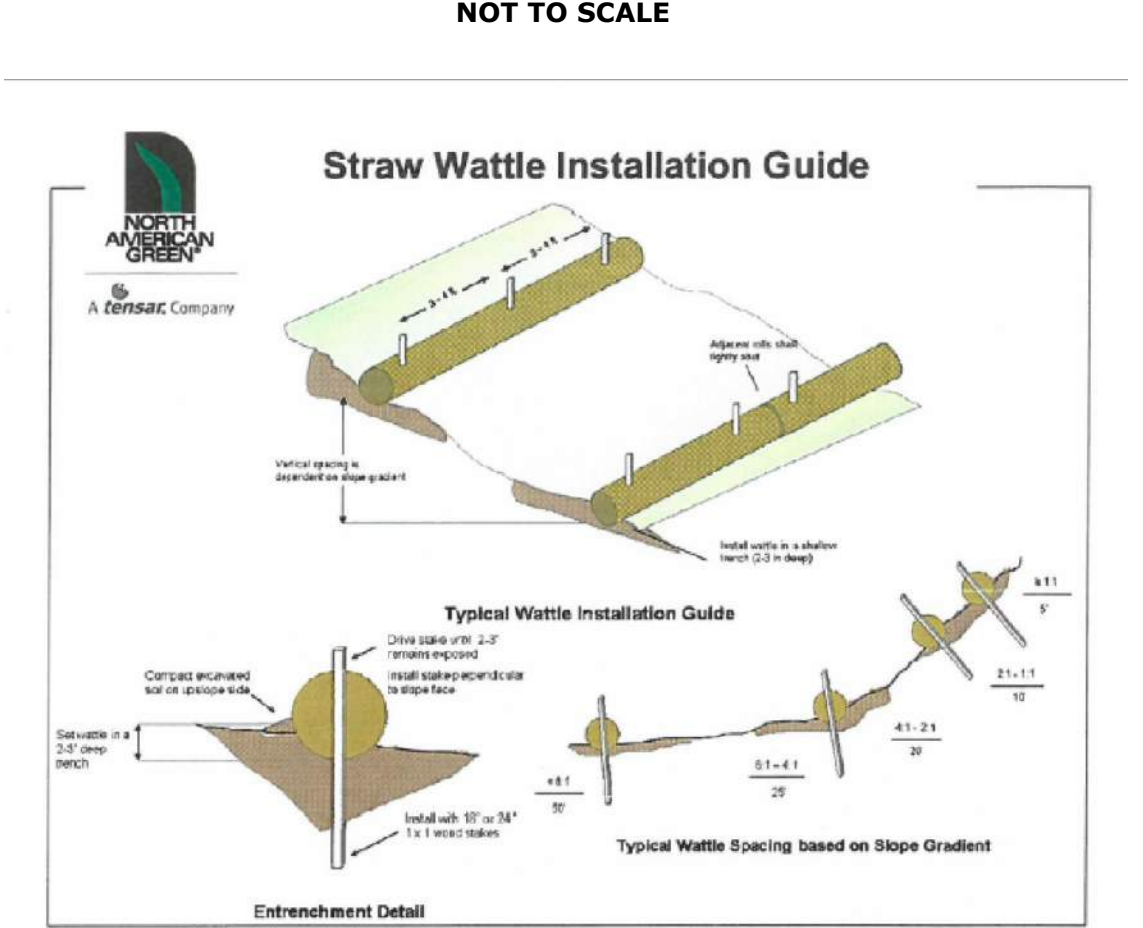
NOTES:

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

TEMPORARY SEDIMENT TRAP



INLET PROTECTION FOR OVERFLOW STRUCTURES



1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 3'-3" (91.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.

2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.

3. SECURE THE WATTLE WITH 18-24" (45.7-61 CM) STAKES EVERY 2'-4" (61-102 CM) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 3"-5" (7.6-12.7 CM) OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

North American Green Straw Wattles are a Best Management Practice (BMP) that offers an effective and economical alternative to silt fence and straw bales for sediment control and storm water runoff.

Straw bales are provided for use in design, installation, and structure spacing. The guidelines may require modification due to vegetation to soil types, rainfall intensity or duration, and amount of runoff affecting the application site.

To measure sediment containment with the Straw Wattle, place the initial structure at the top edge of the slope if significant runoff is expected from above, if no runoff from above is expected, the initial Straw Wattle can be installed at the appropriate distance downhill from the top edge of the slope. The final structure should be installed at or just beyond the bottom edge of the slope. Wattles should be installed perpendicular to the primary direction of overland flow.

Straw Wattles are a temporary sediment control device and are not intended to replace related erosion control products (RSCPs) or hydraulic erosion control products (HECPs). If vegetation is desired for permanent erosion control, North American Green recommends that RSCPs or HECPs be used to provide effective immediate erosion control until vegetation is established. Straw Wattles may be used in conjunction with bankroll, mats, and mulches as supplemental sediment and runoff control for these applications. Like all sediment control devices, the effectiveness of the Straw Wattle is dependent on storage capacity.

For additional installation assistance, please contact North American Green's Technical Services Department at 1-800-778-2040.

14649 Highway 41 North, Evansville, Indiana 47725
(408)-772-2040 www.nagreen.com

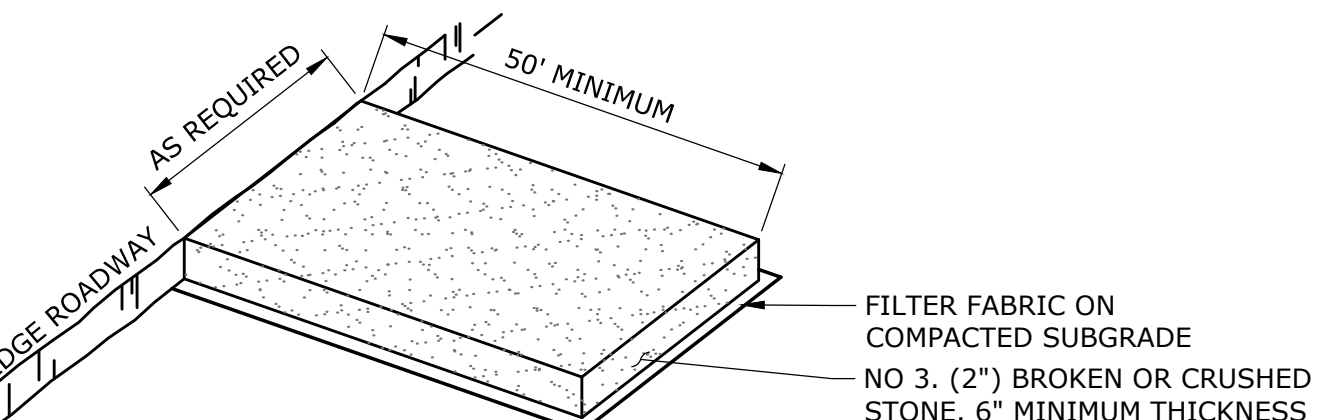
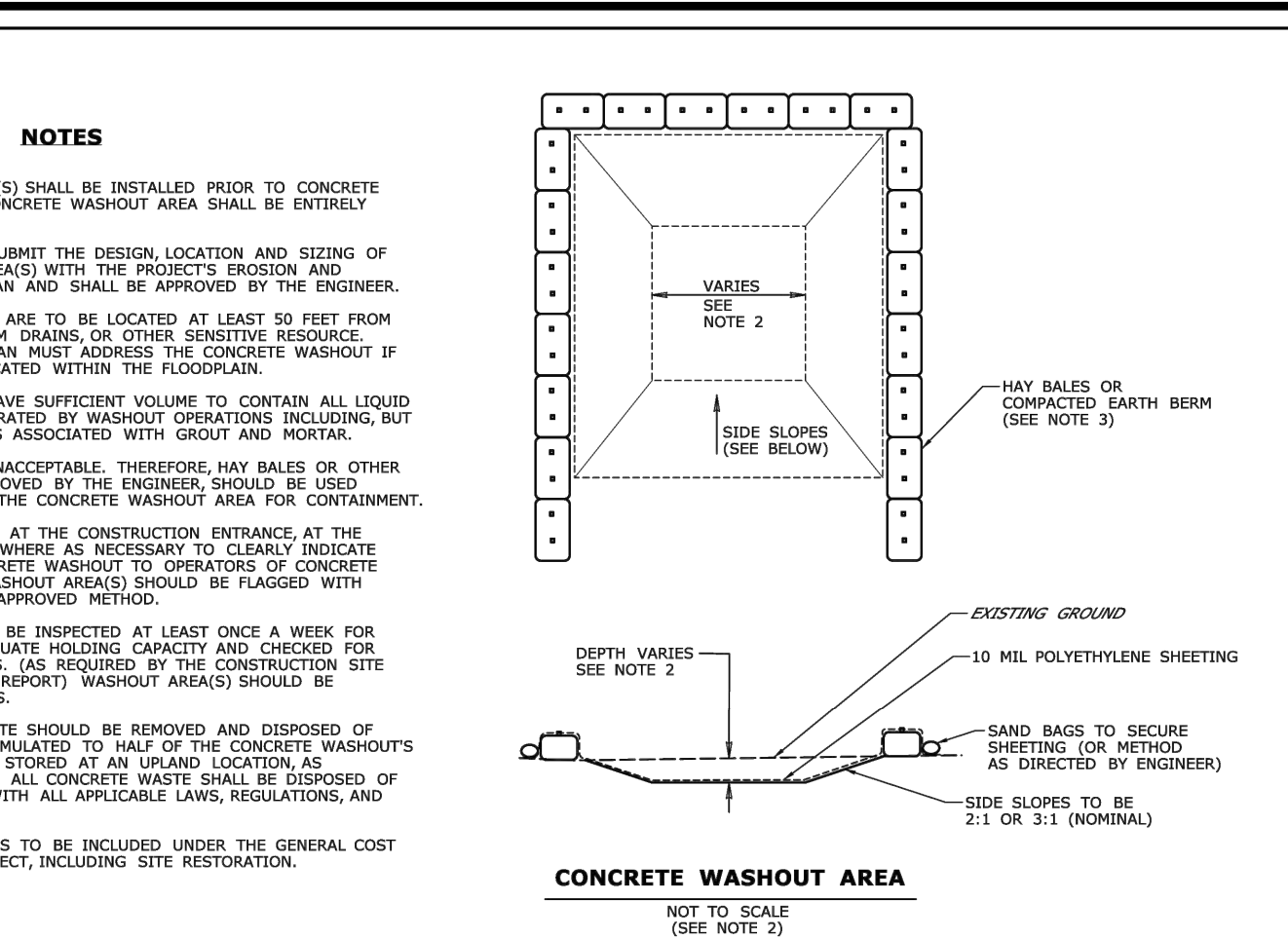
Rev. 1/2008

NOTES:

STRAW WATTLES SHALL HAVE A 12" DIAMETER MIN.

STRAW WATTLE

NOT TO SCALE

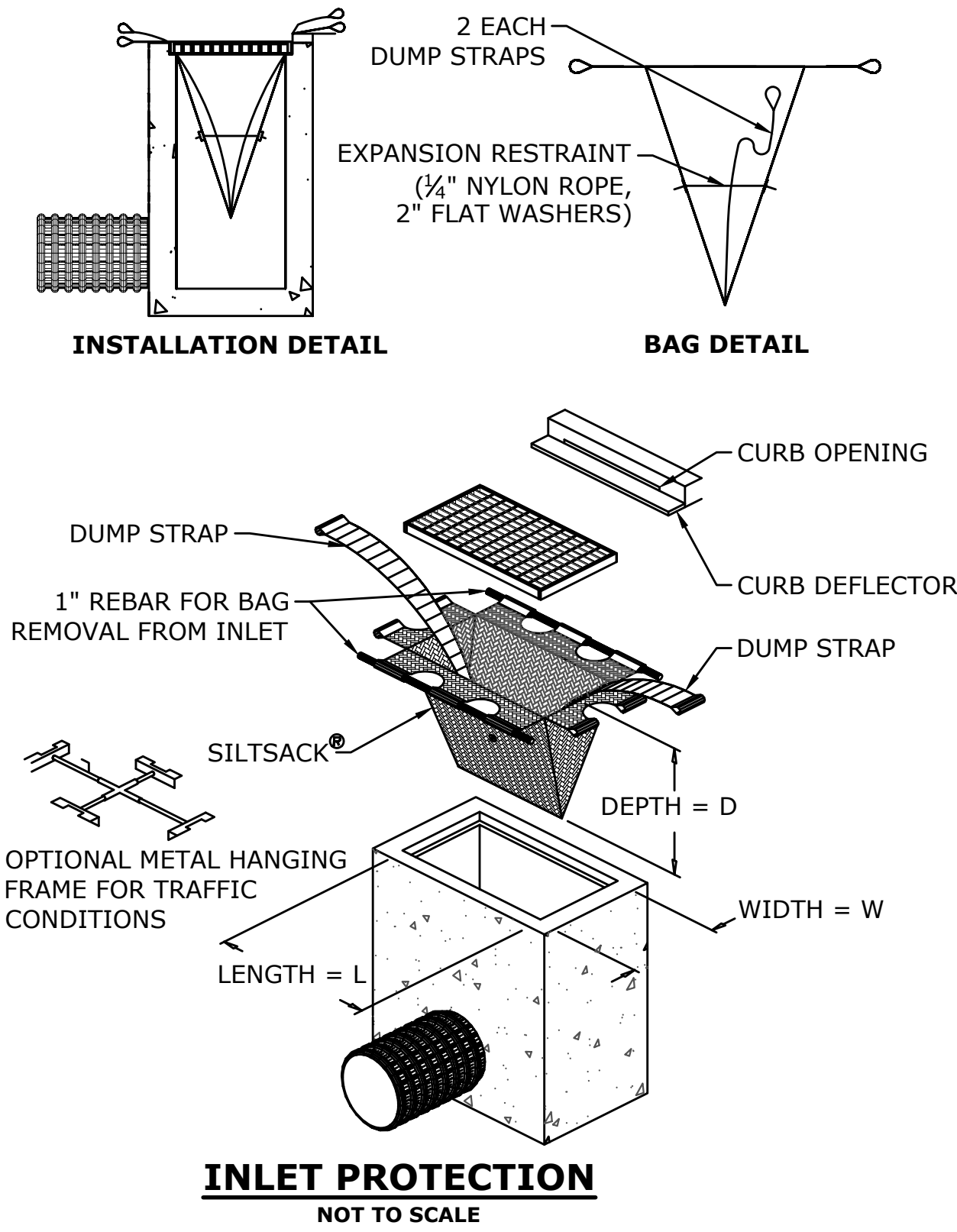


NOTES:

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

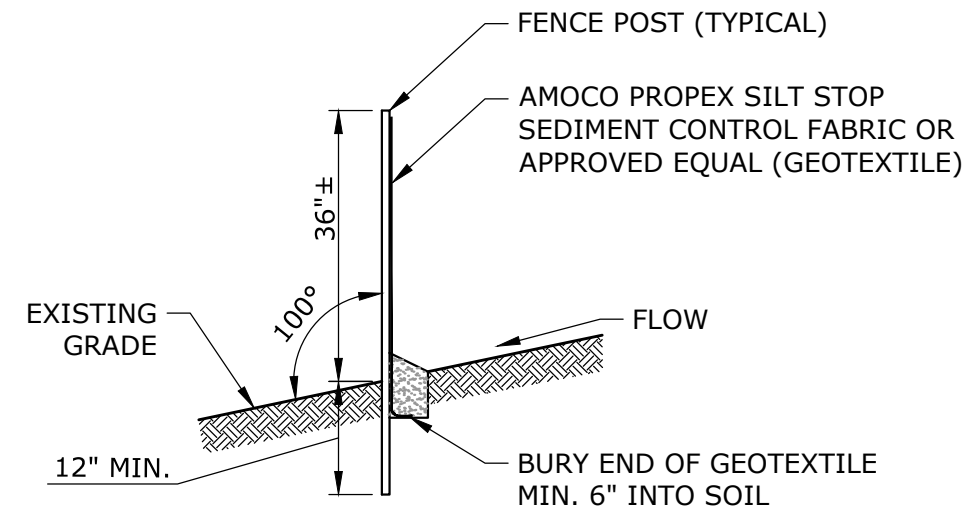
CONSTRUCTION ENTRANCE PAD

NOT TO SCALE



INLET PROTECTION

NOT TO SCALE



SEDIMENT FILTER FENCE

NOT TO SCALE



DESCRIPTION	DATE	BY
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	2/28/2024	AWG

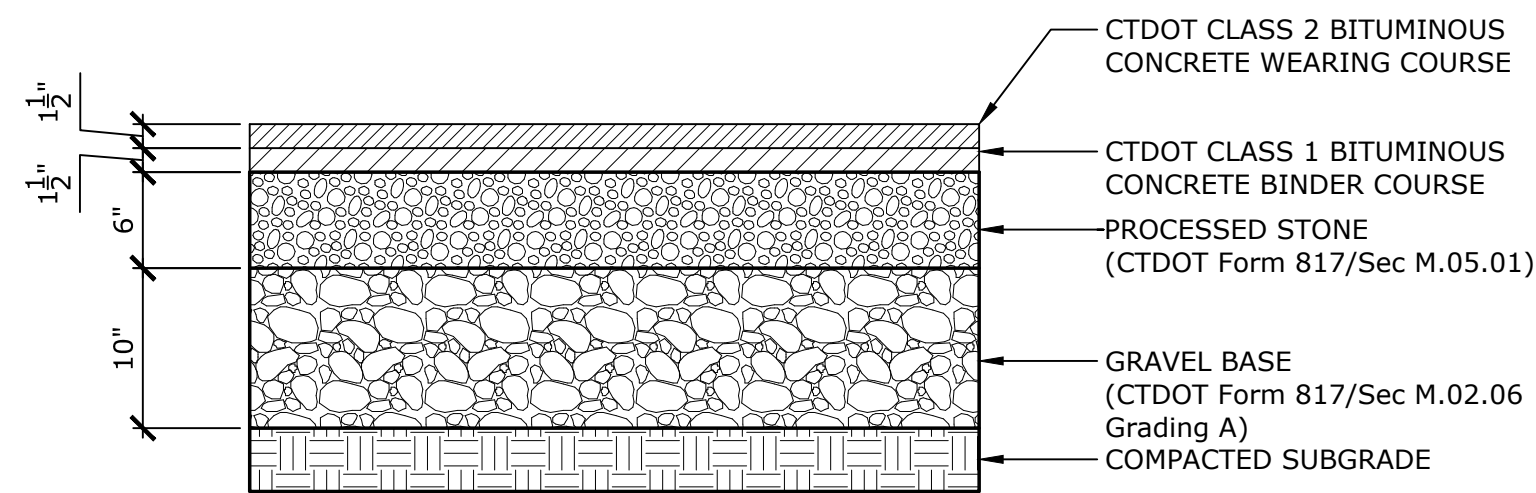
SEDIMENT AND EROSION CONTROL SPECIFICATIONS AND DETAILS

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

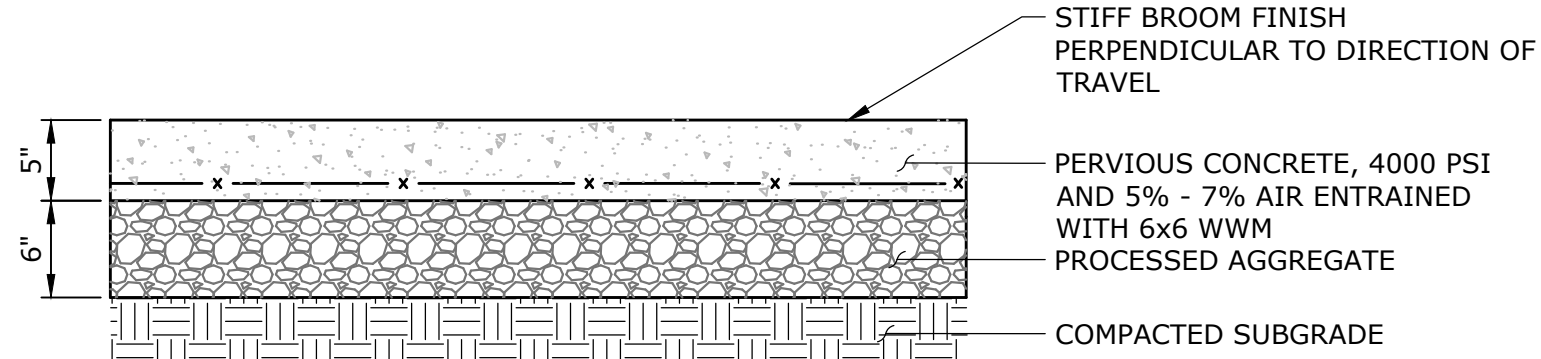
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SHEET NO.		
SE-2		
SHEET NAME		

UNIVERSITY OF CONNECTICUT
SCHOOL OF ENGINEERING
CIVIL ENGINEERING
1000 UNIVERSITY AVENUE
STATION 5360
NEW HAVEN, CT 06510-5360
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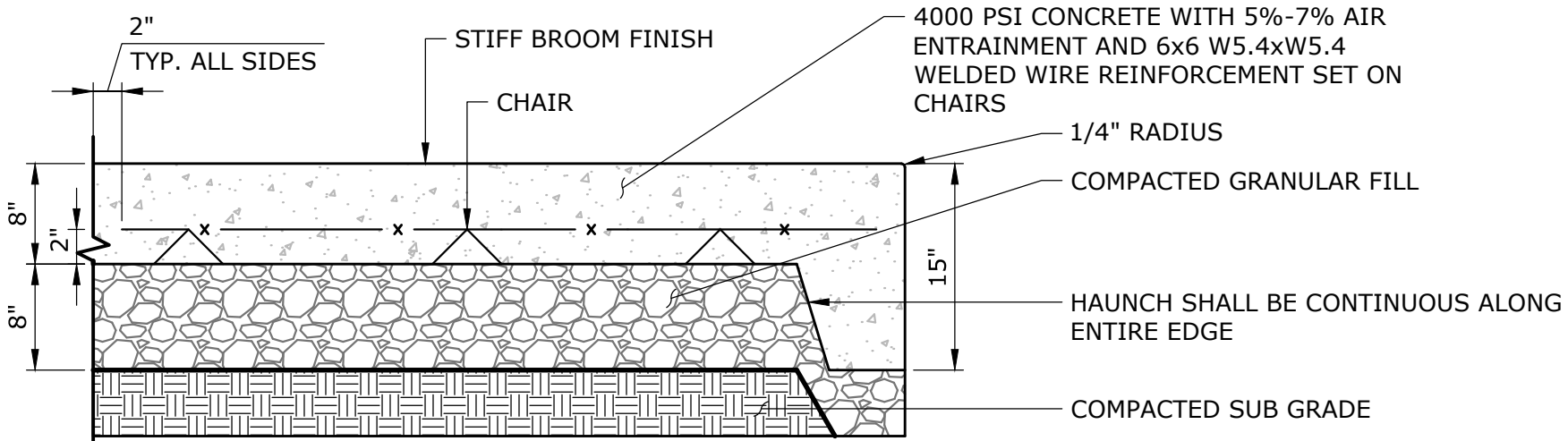
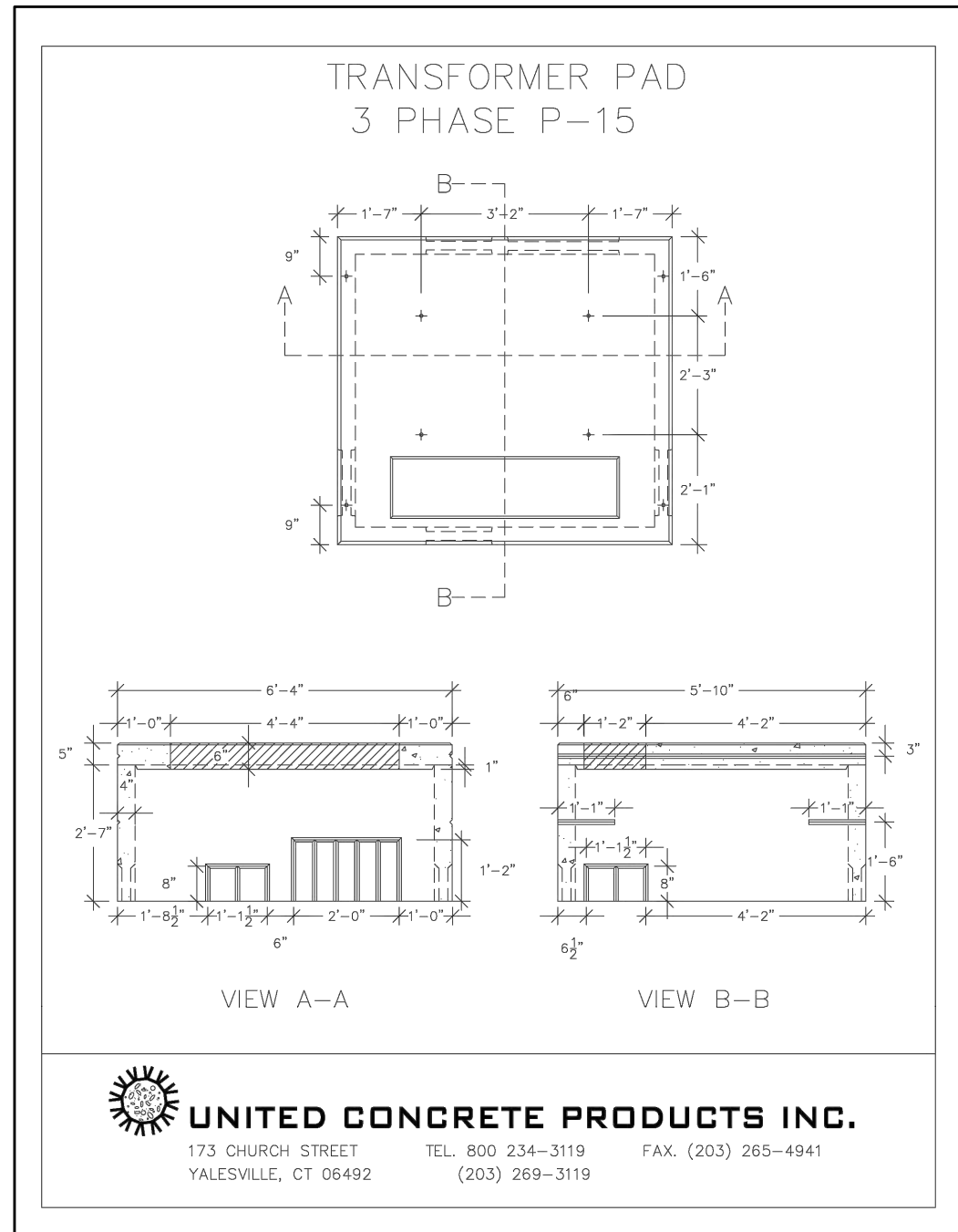


STANDARD DUTY BITUMINOUS CONCRETE & STANDARD BASE
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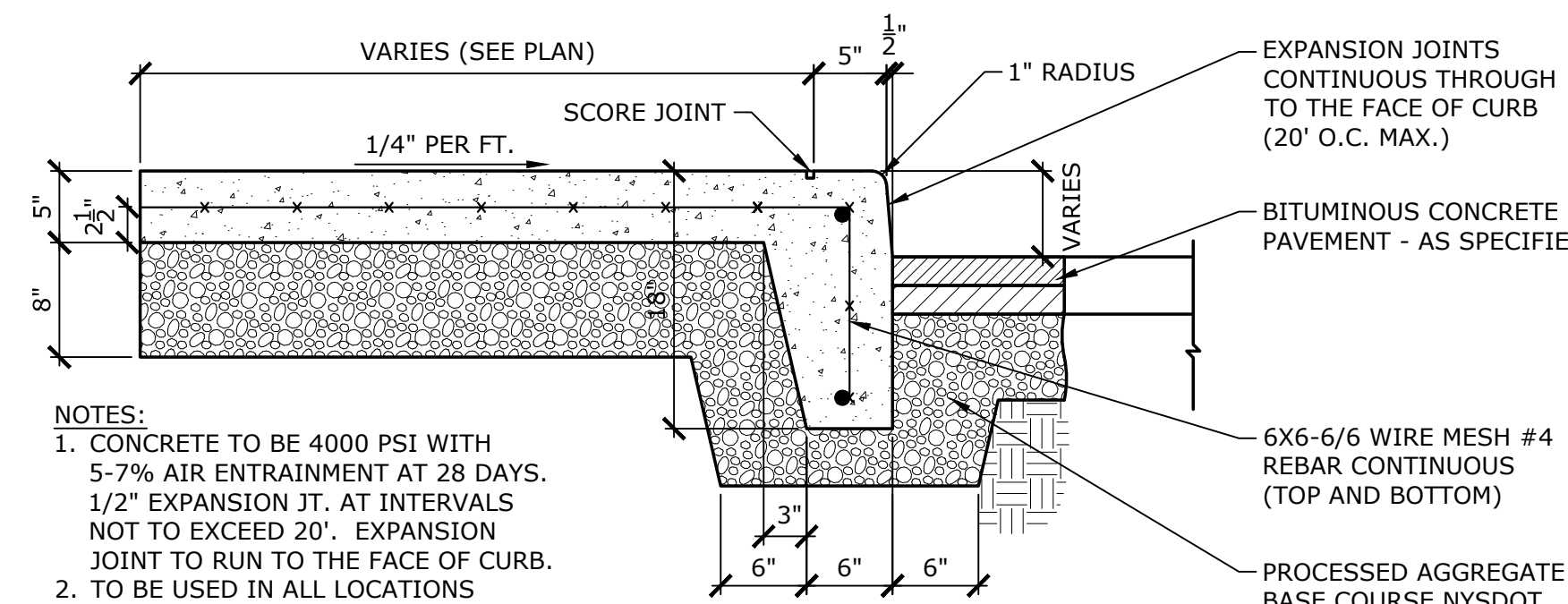
NOTE: DETAIL IN PROGRESS AND TO BE COORDINATED WITH LOCAL FIRE MARSHAL



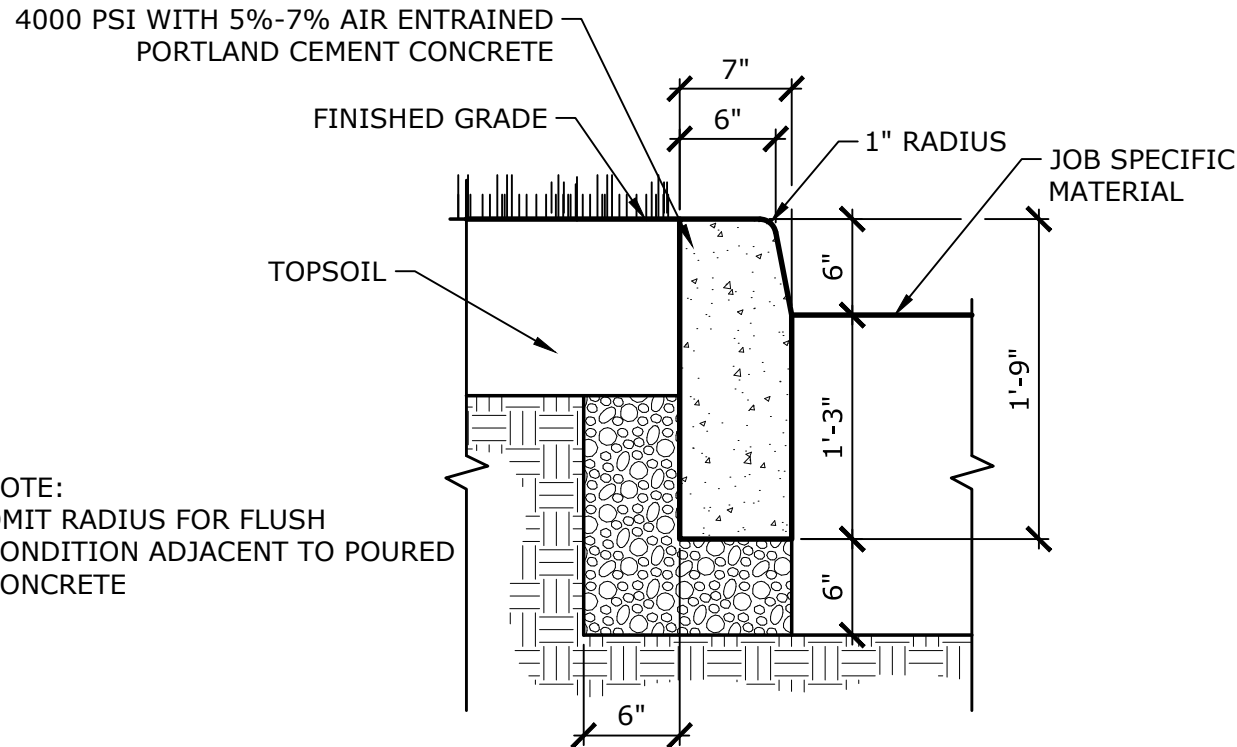
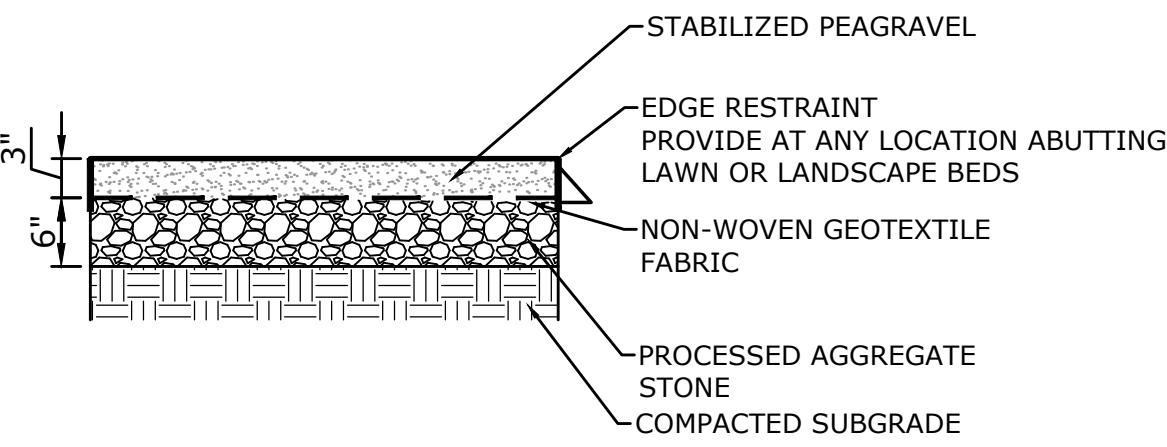
CONCRETE PAD FOR FIRE TRUCK OUTRIGGERS
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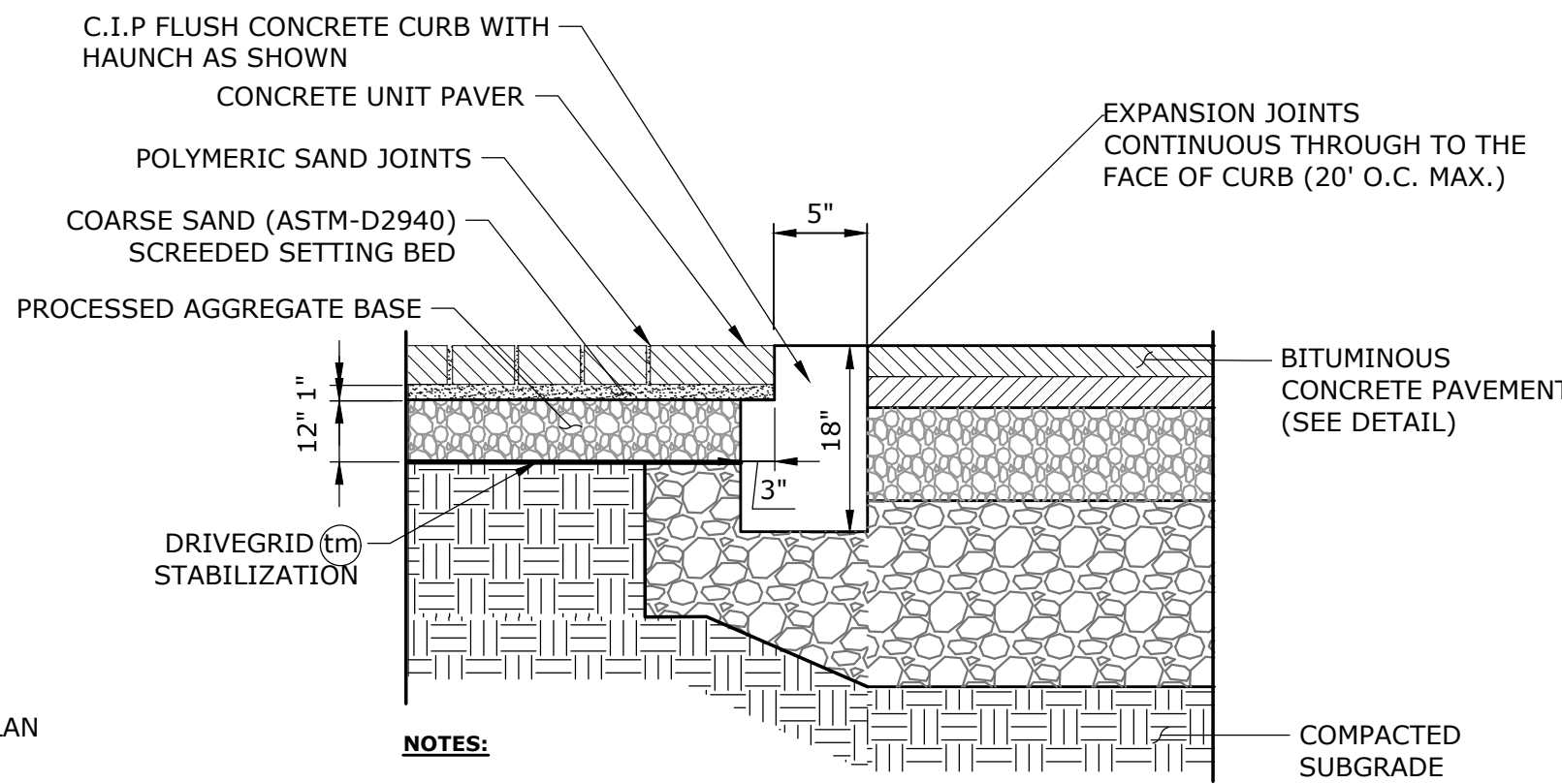
CONCRETE UTILITY PAD
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STABILIZED PEAGRAVEL PATHWAY

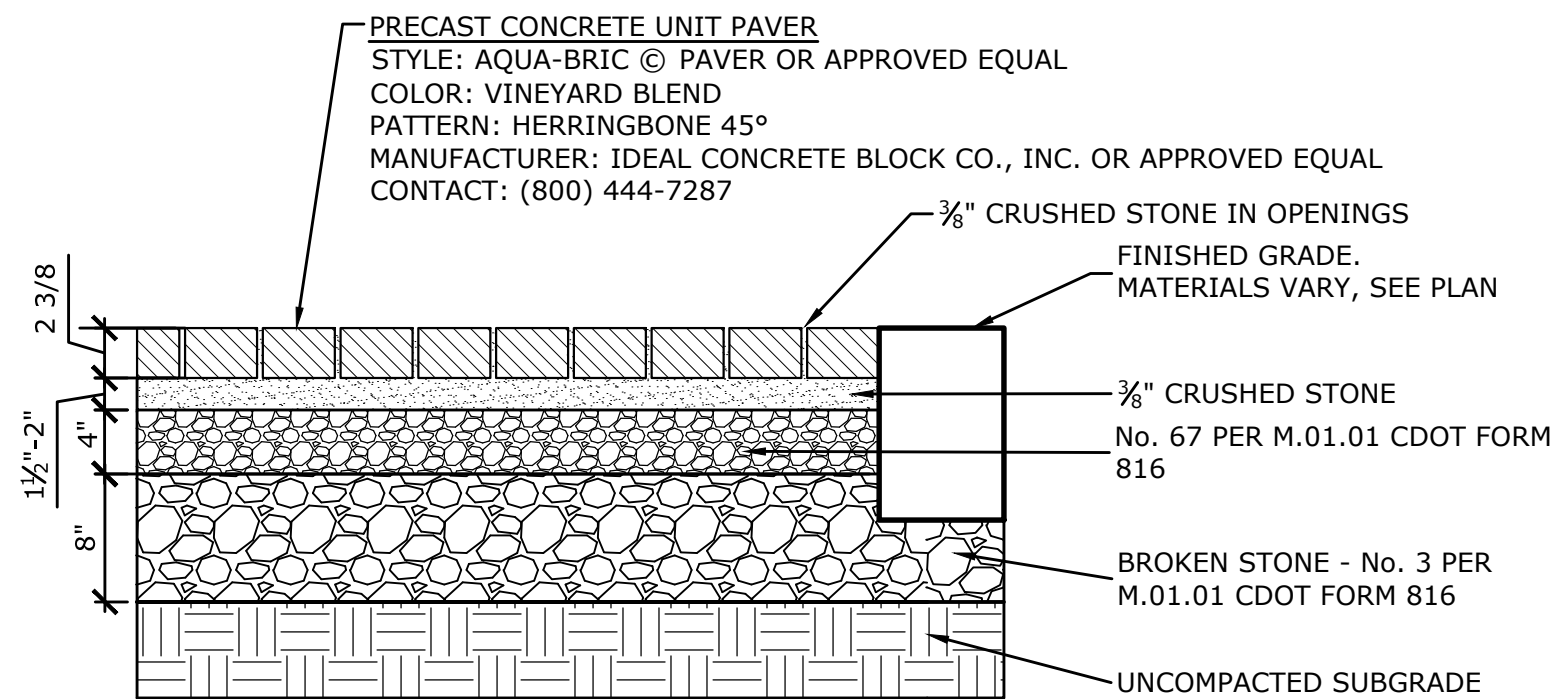


CAST-IN-PLACE CONCRETE CURB
NOT TO SCALE



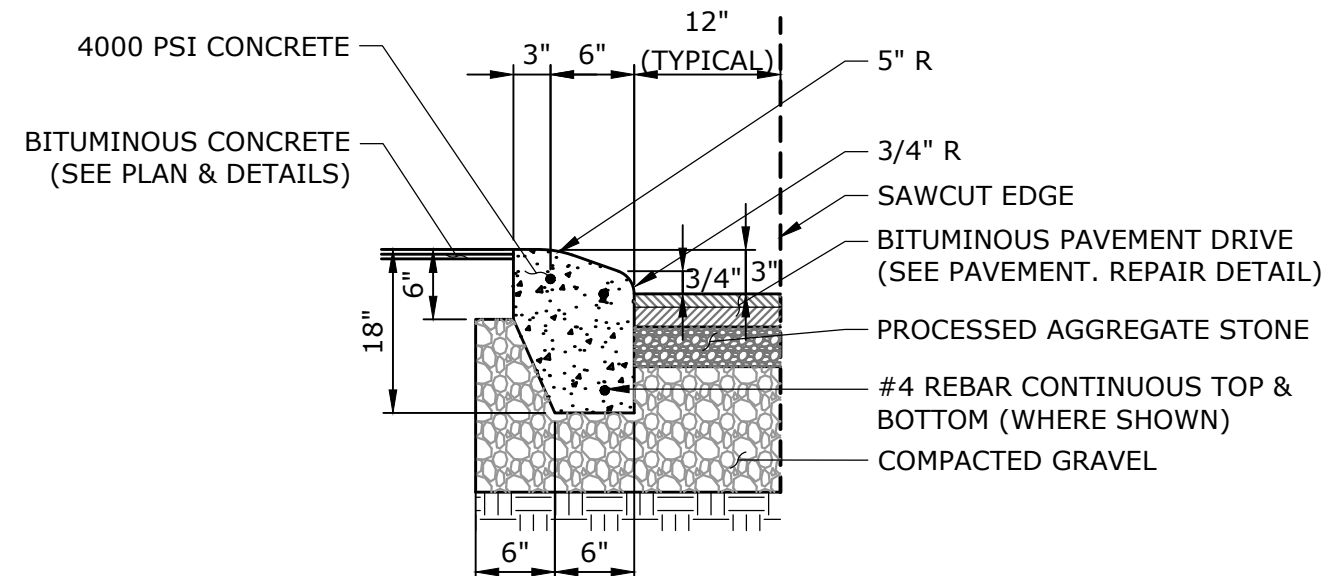
- NOTES:**
1. CONCRETE PER CONDOT MATERIAL M.03.03, FORM 818
 - 1.1. PCC04462
 - 1.2. 4,000 PSI AT 28 DAYS
 - 1.3. CEMENT CONTENT OF 615LB MINIMUM
 - 1.4. AGGREGATE 3/4" MAX
 - 1.5. WATER TO CEMENT RATIO 0.42

FLUSH CONCRETE CURB
NOT TO SCALE

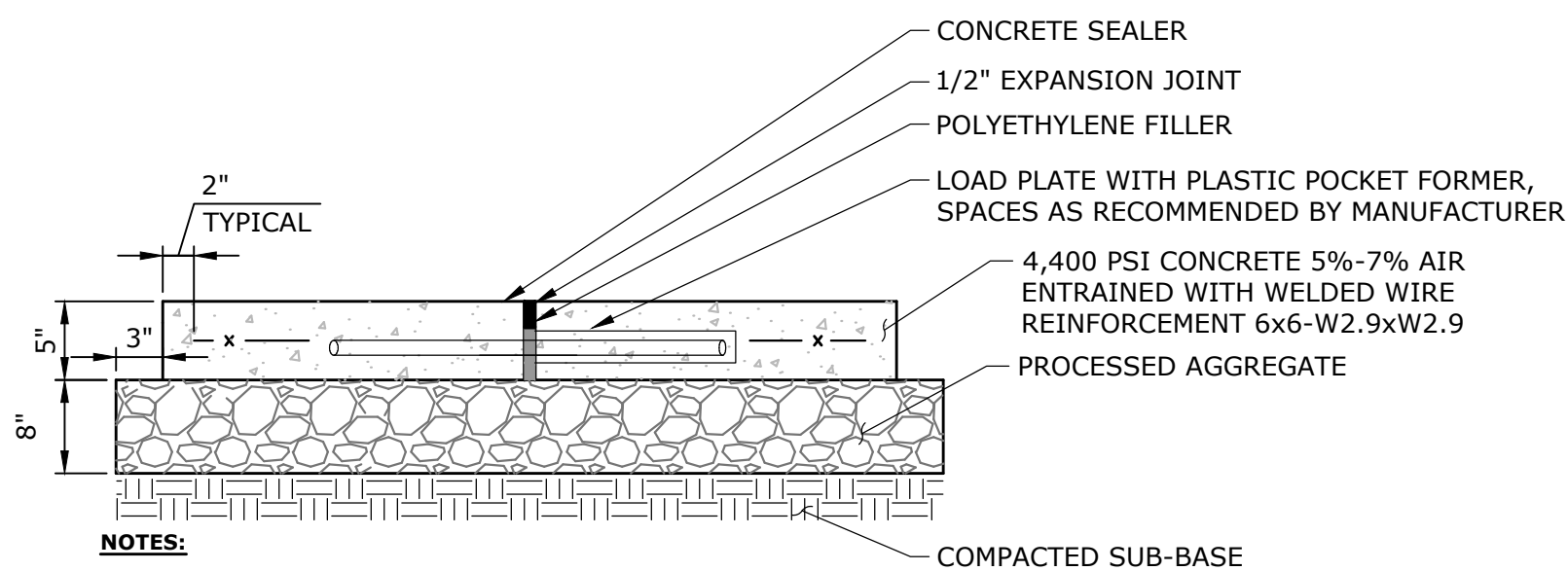


NOTE: SUBGRADE IS NOT TO BE OVER COMPACTED. ALL STONE MATERIALS ARE TO BE CLEAN AND CAREFULLY PLACED.

PERMEABLE UNIT PAVER
NOT TO SCALE

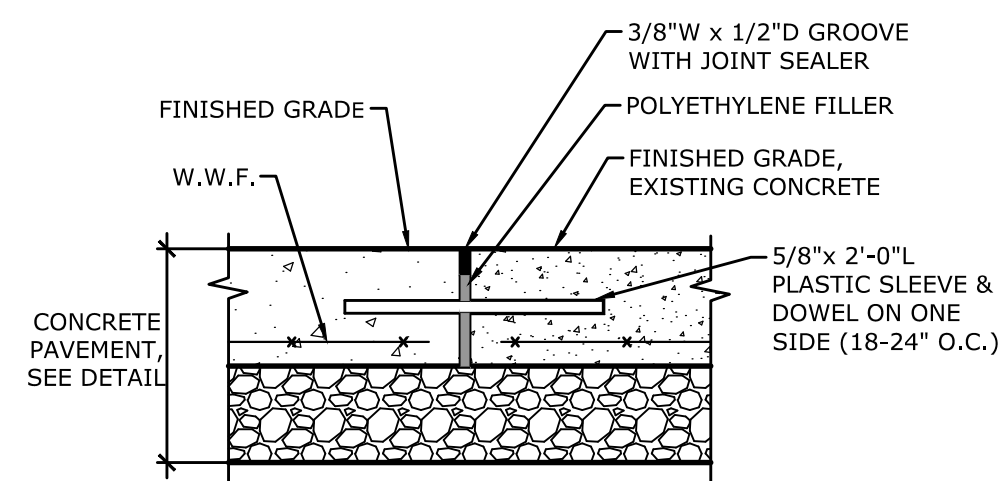


CAPE COD CONCRETE CURB
NOT TO SCALE

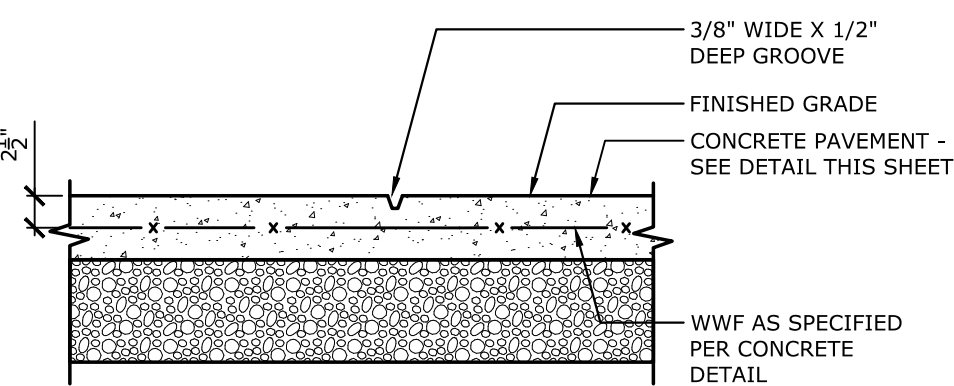


- NOTES:**
1. CONCRETE PER 32 30 16 - CAST IN PLACE CONCRETE
 - 1.1. PCC04460
 - 1.2. 4,400 PSI AT 28 DAYS
 - 1.3. CEMENT CONTENT OF 658LB MINIMUM
 - 1.4. AGGREGATE No. 6 (3/4") MAX - PER 2.3.D.2.f
 - 1.5. WATER TO CEMENT RATIO 0.44
2. 1/2" EXPANSION JOINT AT INTERVALS NOT TO EXCEED 20'. EXPANSION JOINT TO RUN TO THE FACE OF CURB.

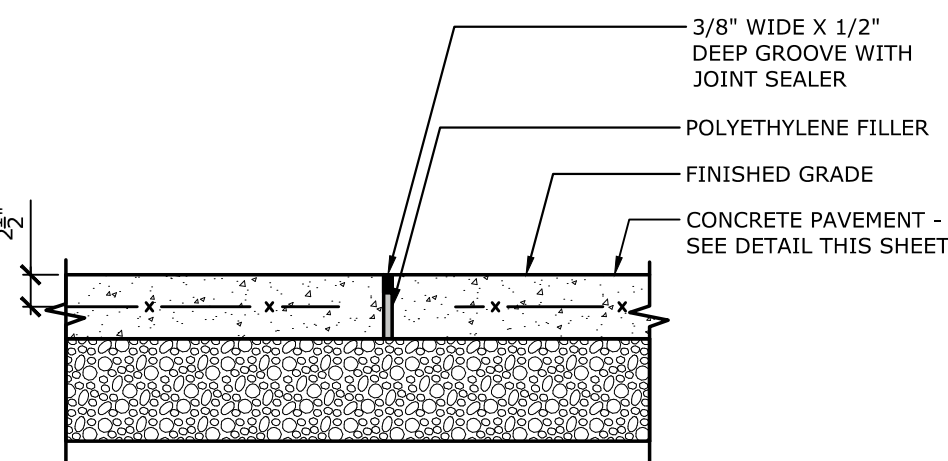
CONCRETE WALK
NOT TO SCALE



DOWELLED EXPANSION JOINT
NOT TO SCALE

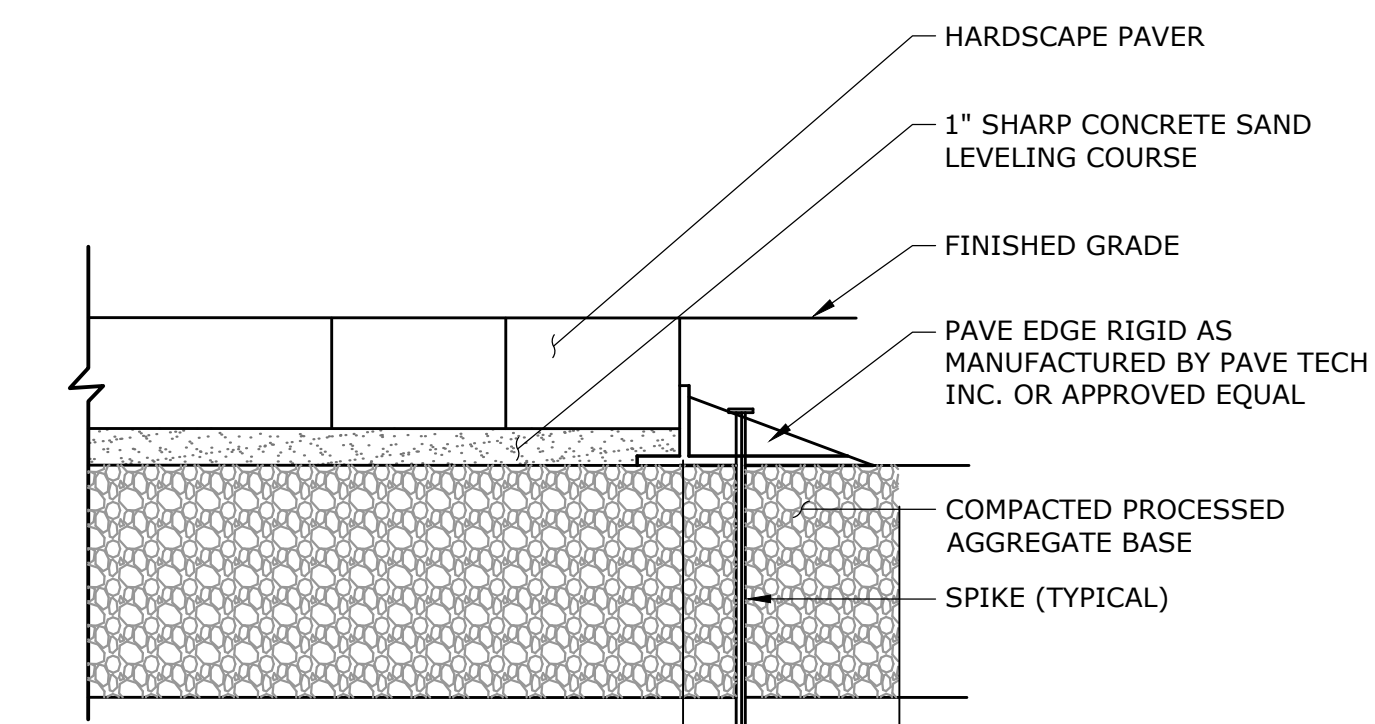


SCORE JOINT
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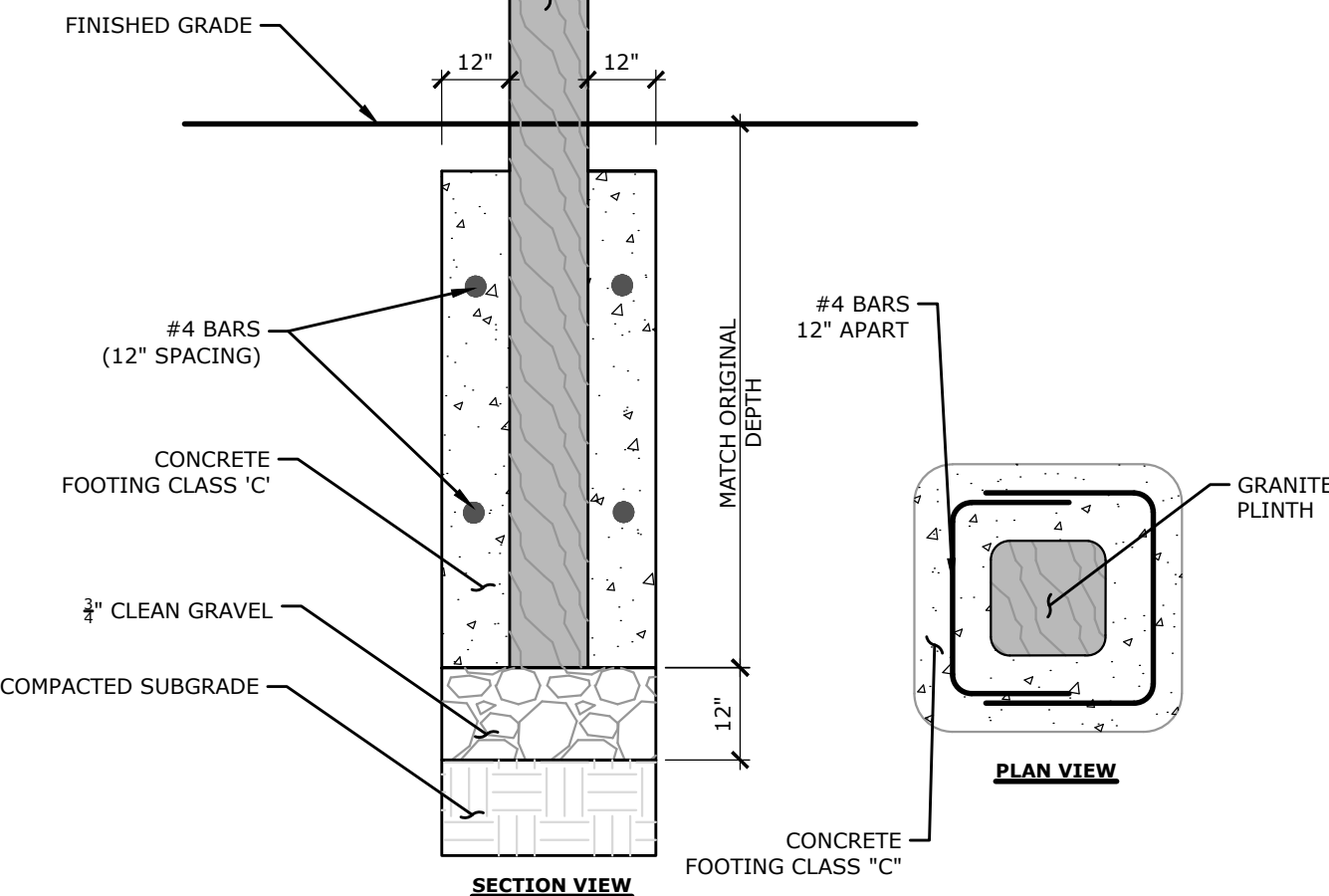
EXPANSION JOINT
NOT TO SCALE

4 CONCRETE UNIT PAVERS ON 5" CONCRETE BASE
N.T.S.



- NOTES:**
1. INSTALL PAVER EDGE RESTRAINT ON TOP OF COMPACTED BASE
 2. PAVER EDGE RESTRAINT SYSTEM TO BE USED ONLY WHERE PAVERS ABUT LANDSCAPED OR TURF AREAS.

PAVER EDGE RESTRAINT
NOT TO SCALE



GRANITE SIGN POST
NOT TO SCALE

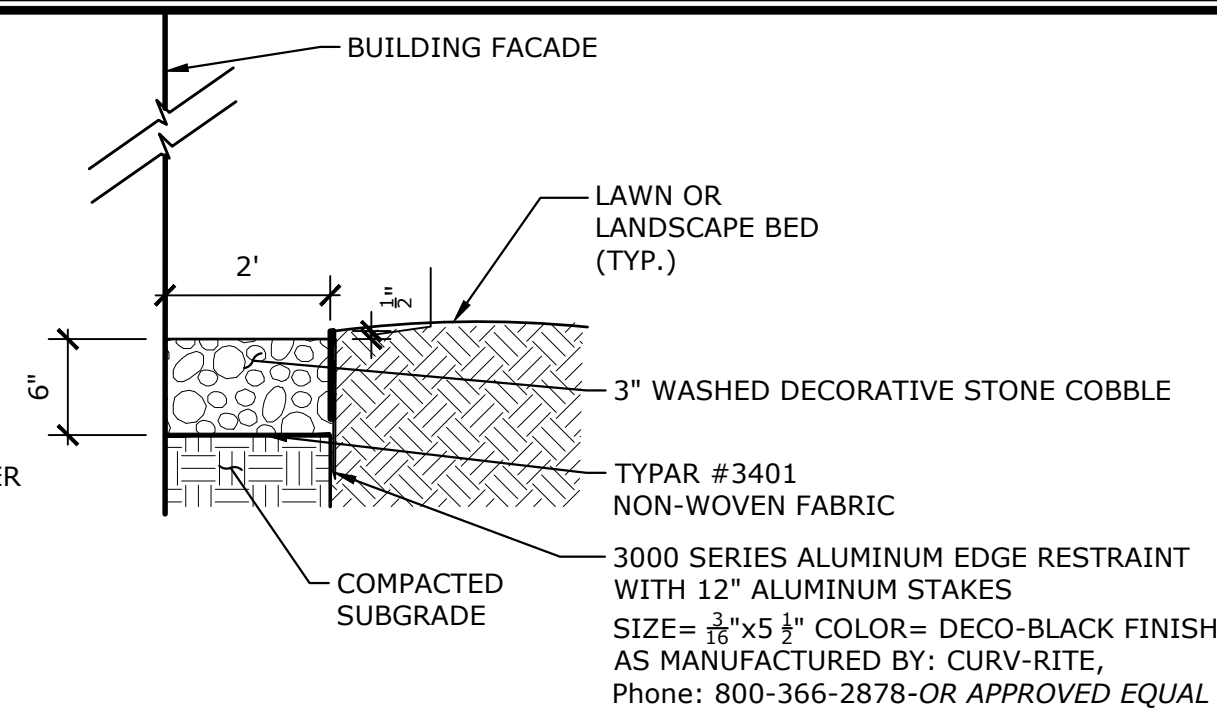
DESCRIPTION	DATE	BY
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	2/28/2024	AWG

SITE DETAILS
PROPOSED MULTI-FAMILY DEVELOPMENT

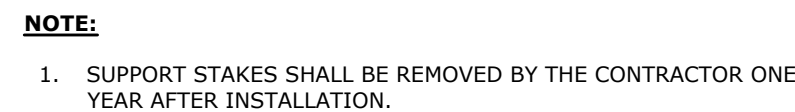
131 DANBURY ROAD
WILTON, CONNECTICUT

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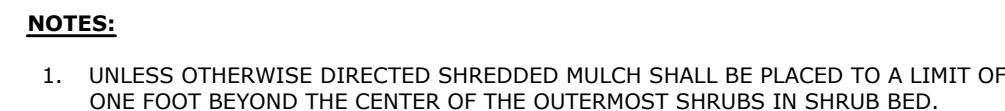




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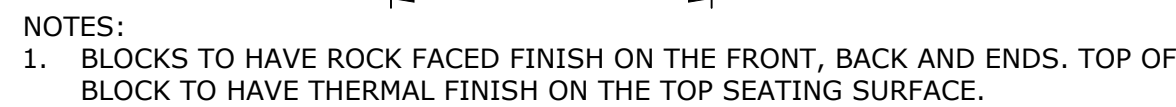
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A diagram showing a hexagonal lattice of circular particles. The particles are arranged in a regular grid. The distance between the centers of two adjacent particles is labeled B . The diameter of each particle is labeled A . The diagram illustrates the geometric arrangement of particles in a hexagonal lattice.

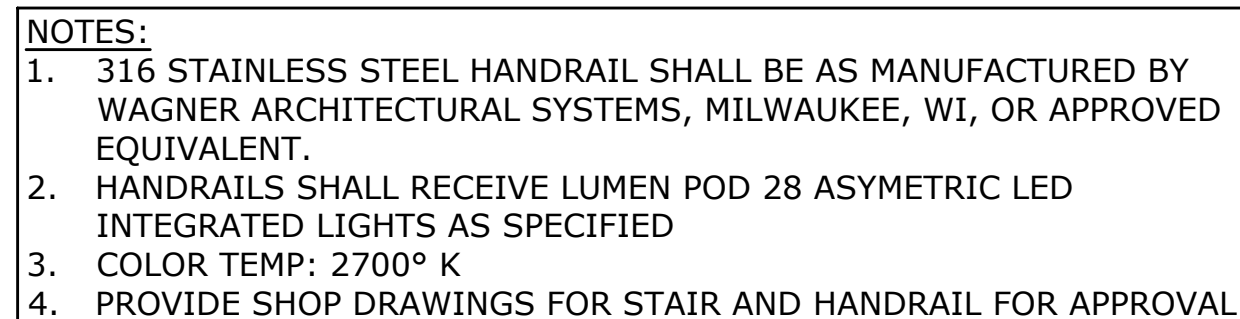


1. ALL GROUND COVER TO BE PLANTED IN TRIANGULAR PATTERN. SEE DETAIL PLAN AND GROUND COVER SPACING TABLE.

NOT TO SCALE



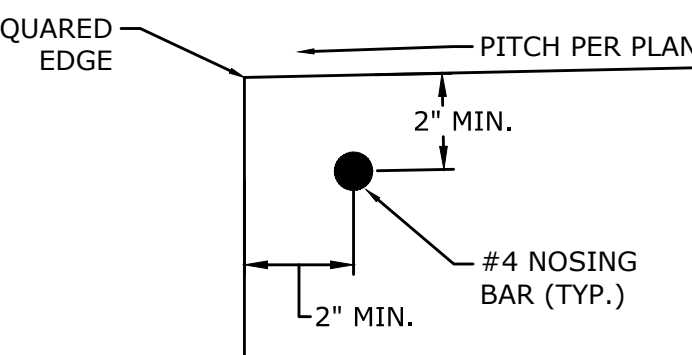
NOT TO SCALE


$$1/2'' = 1'-0''$$


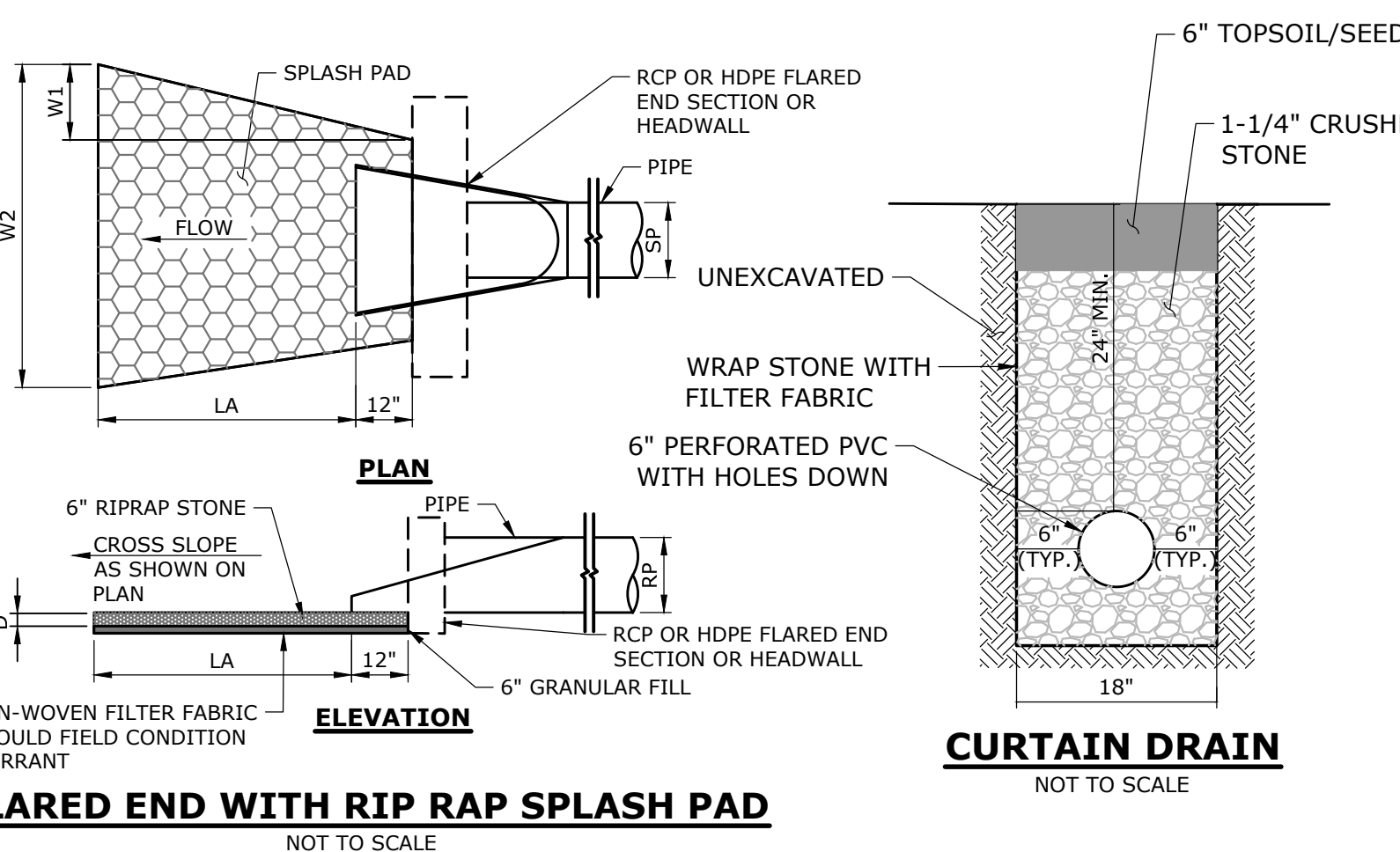
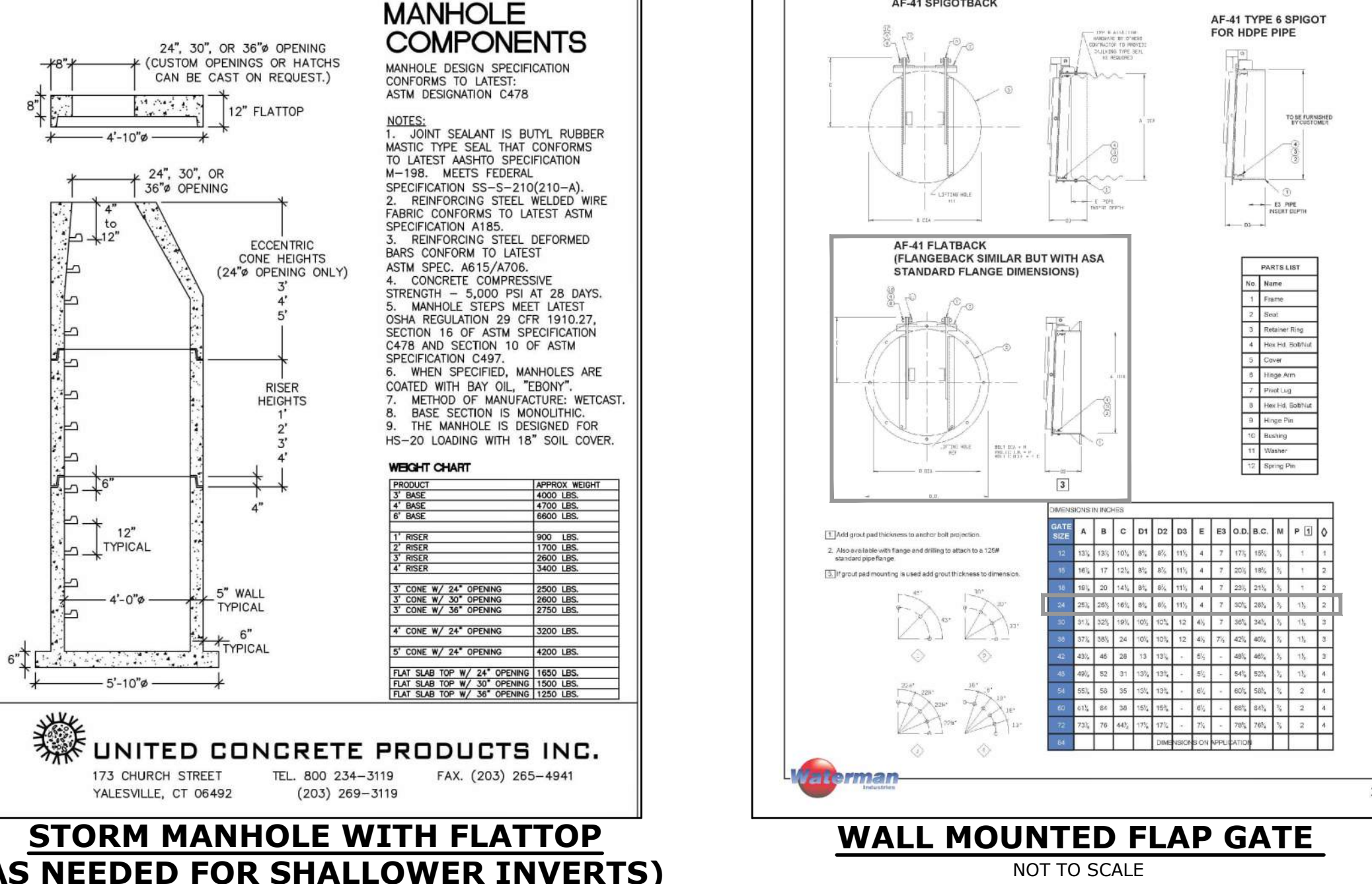
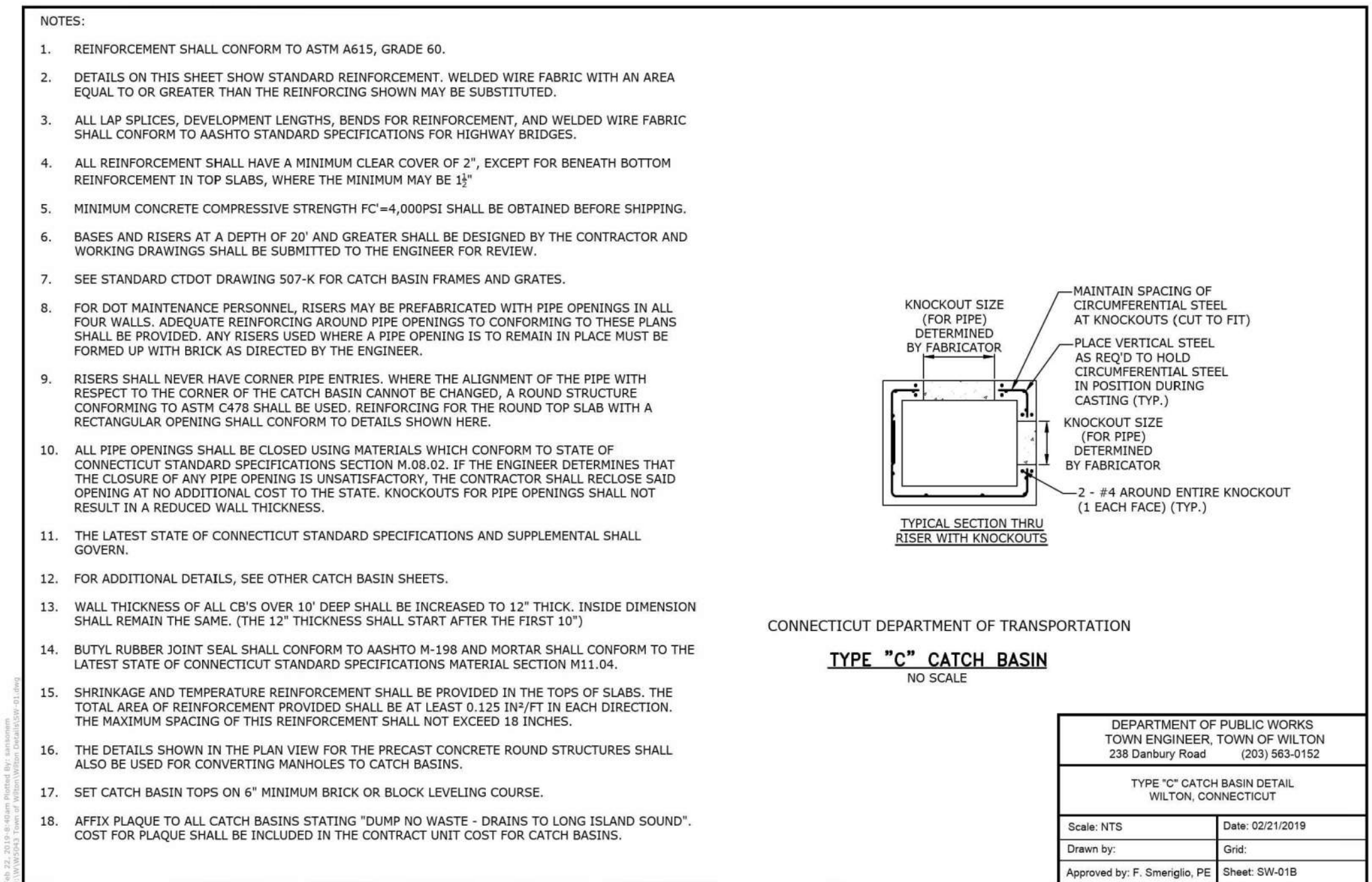
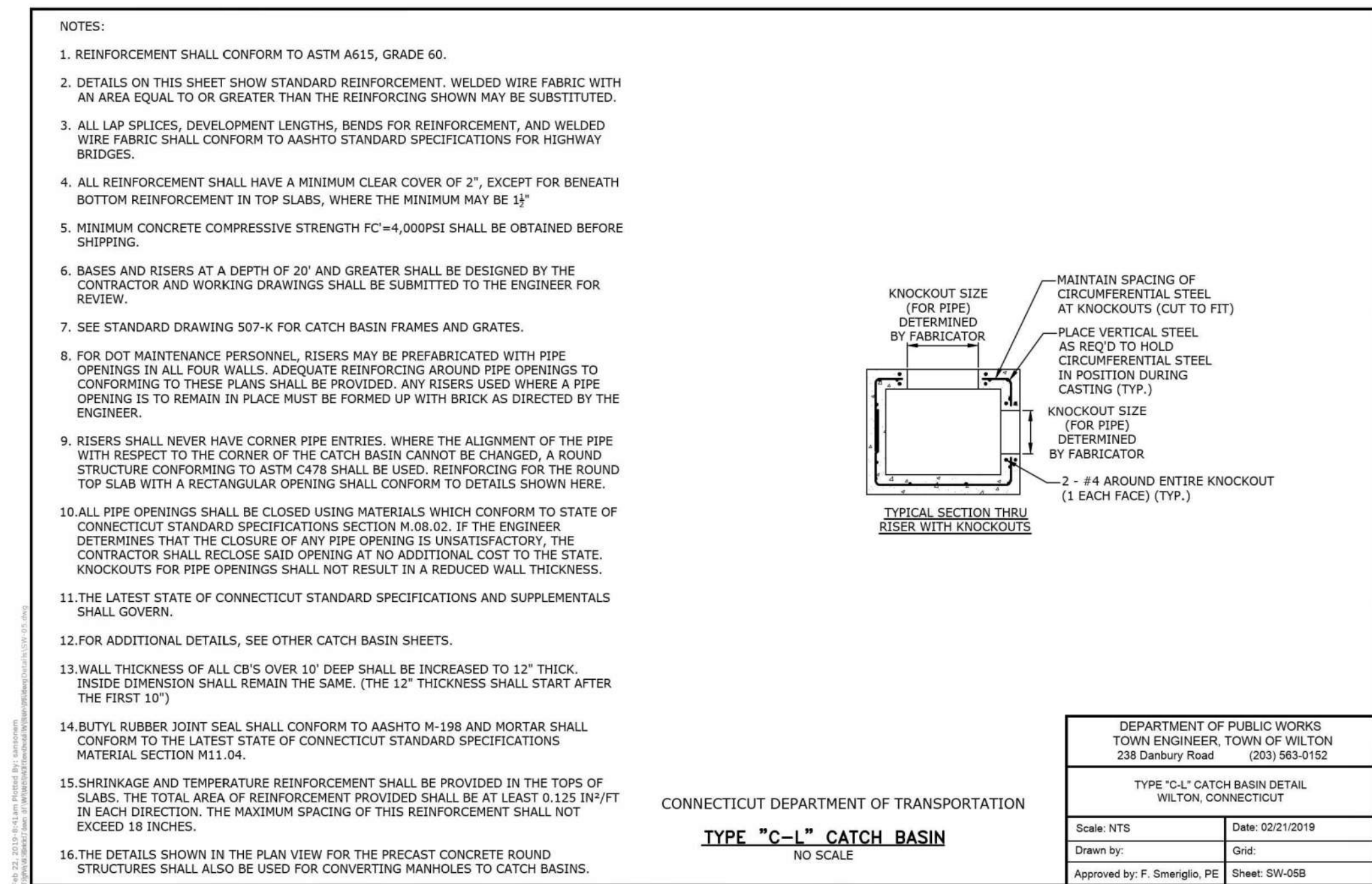
SCALE 1" = 1'-0"



N.T.S.

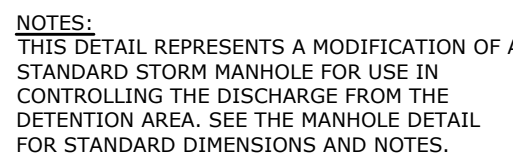


NOT TO SCALE

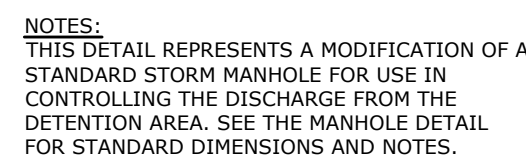


RIP RAP SPLASH PAD SIZING

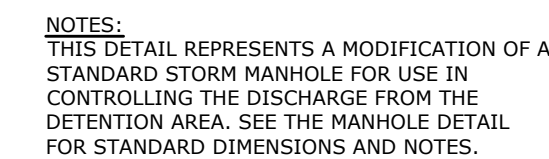




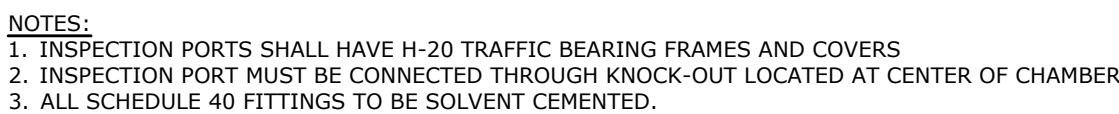
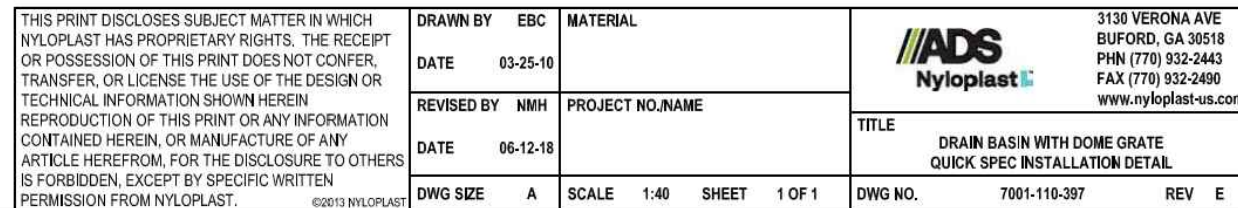
SCALE: $\frac{1}{2}" = 1'$



SCALE: $\frac{1}{2}" = 1'$

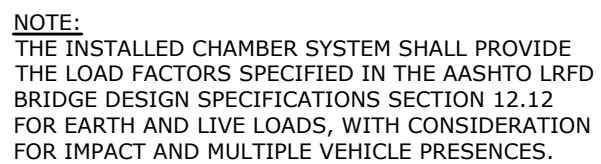
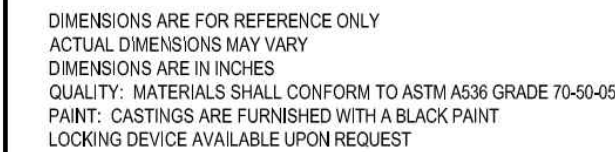


SCALE: $\frac{1}{2}" = 1'$



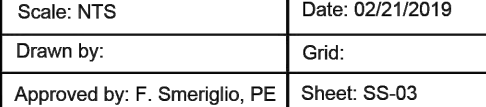
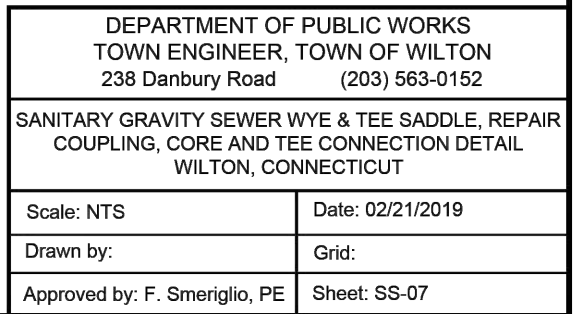
NOT TO SCALE

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



NOT TO SCALE

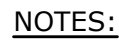






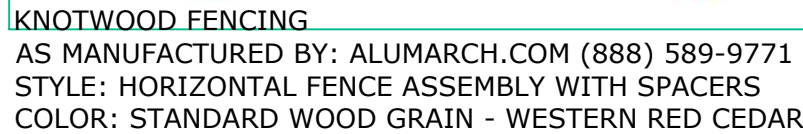
- TOP OF WALL TO BE SET 6 INCHES ABOVE PROPOSED GRADE AT BACK OF WALL.

MODULAR BLOCK RETAINING WALL



1. CONTRACTOR SHALL PLACE AND FINE GRADE PROCESSED AGGREGATE PRIOR TO PLACING SAND BED. CONTRACTOR SHALL THEN SCREED SAND BED AFTER PLACEMENT AND PRIOR TO SETTING PAVERS. IMPROPER PAVES SECTION WILL WARRANT REPLACEMENT AT THE EXPENSE OF THE CONTRACTOR.
2. CONTRACTOR SHALL PROVIDE A 10'X10' SAMPLE OF THIS SECTION FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION ASSOCIATED WITH THIS PROJECT. ANY PAVERS INSTALLED PRIOR TO APPROVAL OF THE SAMPLE PANEL BY THE LANDSCAPE ARCHITECT SHALL BE REPLACED AS REQUIRED AT THE EXPENSE OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.

CONCRETE PAVER DRIVEWAY



SOLID BOARD PRIVACY FENCE



1. BEFORE THE DEVELOPMENT SITE IS GRADED, THE AREA OF THE RAIN GARDENS SHOULD BE ROPED OFF AND FLAGGED TO PREVENT SOIL COMPACTION BY HEAVY EQUIPMENT.
2. SMEARING (EXCESSIVE COMPACTION) OF SOIL AT THE INTERFACE OF THE RAIN GARDEN FLOOR AND SIDES SHOULD BE AVOIDED.
3. THE FLOOR OF THE RAIN GARDEN SHOULD BE RAKED OR DEEP TILLED AFTER FINAL GRADING TO RESTORE INFILTRATION RATES.
4. APPROPRIATE EROSION AND SEDIMENT CONTROLS SHOULD BE UTILIZED DURING CONSTRUCTION, AS WELL AS IMMEDIATELY FOLLOWING CONSTRUCTION, TO STABILIZE THE SOILS IN AND AROUND THE RAIN GARDEN.
5. DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE AREA HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED
6. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUN-OFF WATER FROM EXCAVATION) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION
7. PERFORM ALL EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE RAIN GARDEN.
8. LIGHT EARTH-MOVING EQUIPMENT (BACKHOES OR WHEEL AND LADDER TYPE TRENCHES) SHOULD BE USED TO EXCAVATE RAIN GARDENS. HEAVY EQUIPMENT CAN CAUSE SOIL COMPACTION AND REDUCE INFILTRATION CAPACITY. COMPACTION OF THE INFILTRATION AREA AND SURROUNDING SOILS DURING CONSTRUCTION SHOULD BE AVOIDED.

STORMWATER INFILTRATION RAIN GARDEN



1. PAVERS SHALL BE AS SPECIFIED.
2. EXPANSION JOINTS IN CONCRETE BASE SHALL BE 20' O.C. OR 144 S.F. MAX.
3. CONCRETE BASE SHALL BE SCREEDED WITH A FLOAT FINISH, TROWELED, AND PITCHED TO GRADE.
4. TO BE ACCEPTED, PAVERS SHALL BE INSTALLED IN SUCH A MANNER THAT:
 - 4.1. THE PAVER WALKING SURFACES ARE WITHIN 1/8" OF EACH OTHER AND ADJACENT FINISHED SURFACES (I.E. GRANITE CURB AND CONC. WALK)
 - 4.2. THE PAVERS HAVE NO JOINTS GREATER THAN 1/16"
 - 4.3. SAND SWEEP BETWEEN JOINTS IS VIBRATED AND WITHIN 3/16" OF THE PAVER WALKING SURFACE
 - 4.4. NO PAVER IS CRACKED OR BROKEN
 - 4.5. MASTIC IS NOT VISIBLE BETWEEN PAVERS OR ON ANY PAVER SURFACE
 - 4.6. PAVERS ARE VIBRATED IN PLACE, SECURED AND ADHERED TO THE MASTIC.
5. CONTRACTOR SHALL CONSTRUCT A PAVER SAMPLE PATTERN FOR EACH PATTERN AS SPECIFIED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO AUTHORIZATION TO INSTALL PAVERS.

CONCRETE PAVERS ON 4" CONCRETE SLAB

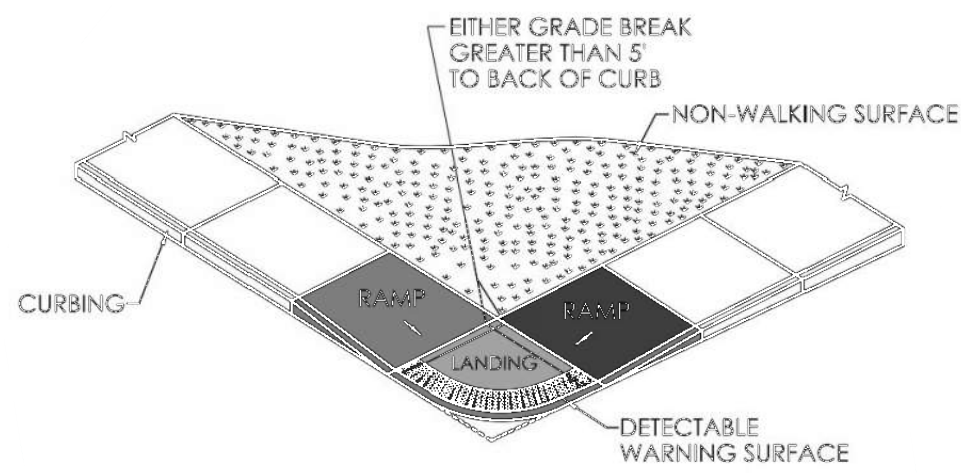


1. ALL FASTENERS ARE TO BE HOT DIP GALVANIZED.
2. SIDING IS TO BE CONTINUOUS AROUND END POST.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR WOOD SCREEN FENCE AT DUMPSTER AREA.
4. AT DUMPSTER AREA APPLY CEDAR SIDING ONLY TO OUTSIDE OF WOOD SCREEN FENCE. ADD CROSS BRACING AS NECESSARY.

DESCRIPTION	DATE	BY
WPCA REVISIONS	11/14/2023	AWG
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	2/28/2024	AWG

AWG DESIGNED	AWG DRAWN	TD CHECKED
AS NOTED		
SCALE		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
17 OF 25		
SHEET NO.		
SD-7		
SHEET NAME		

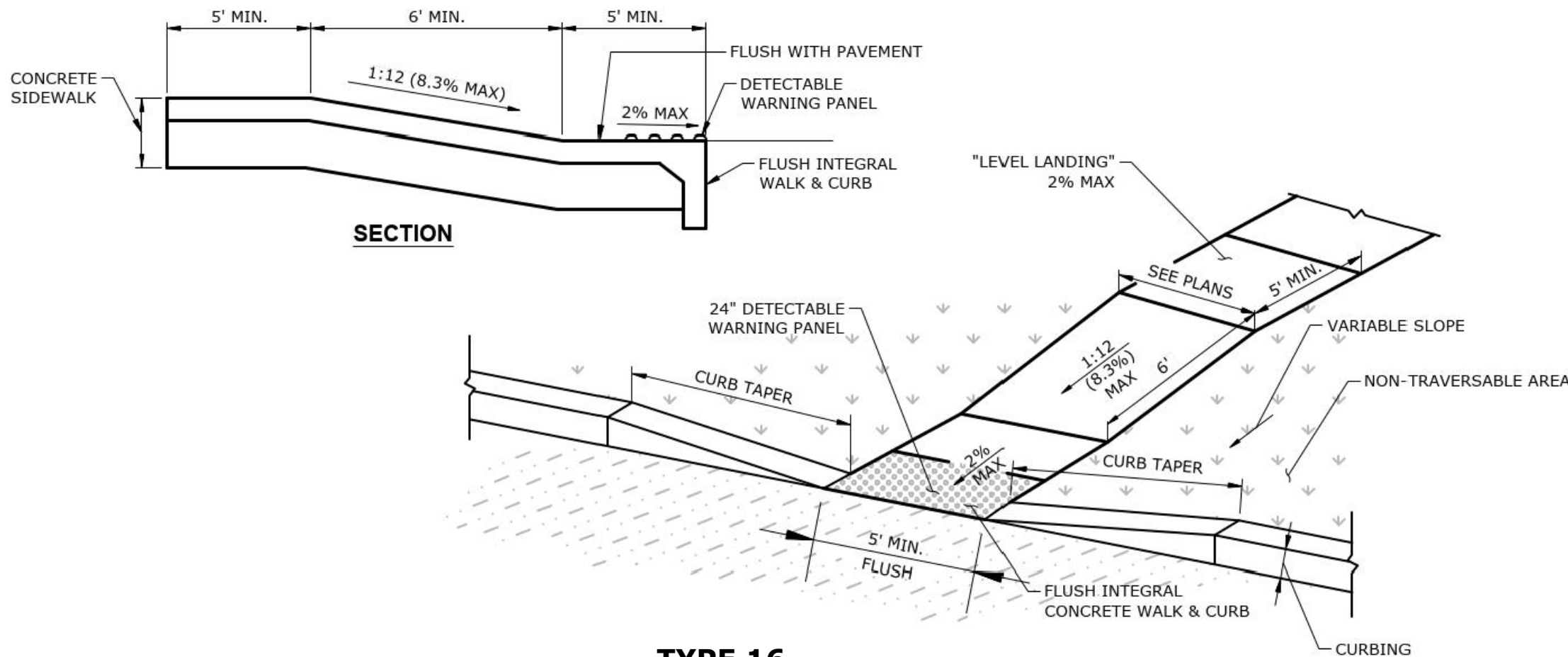
NOTED: - SEE SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, EDITION 2011, FOR THE LATEST REVISIONS TO THE SPECIFICATIONS.



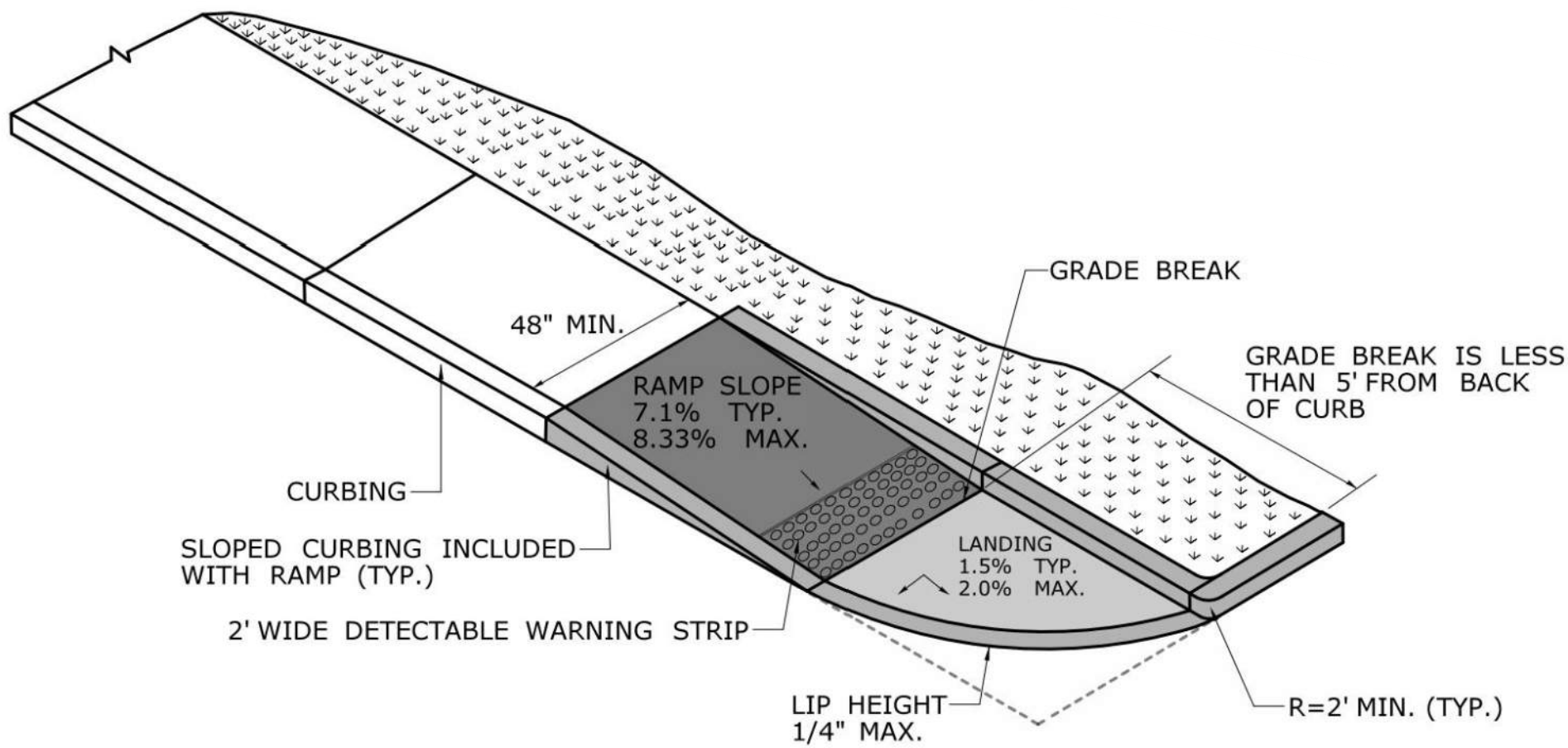
PERPENDICULAR RAMP(S)
GRADE BREAK GREATER THAN 5'

TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY
WITH NONWALK AREA



TYPE 16
ACCESSIBLE SIDEWALK RAMP
NOT TO SCALE



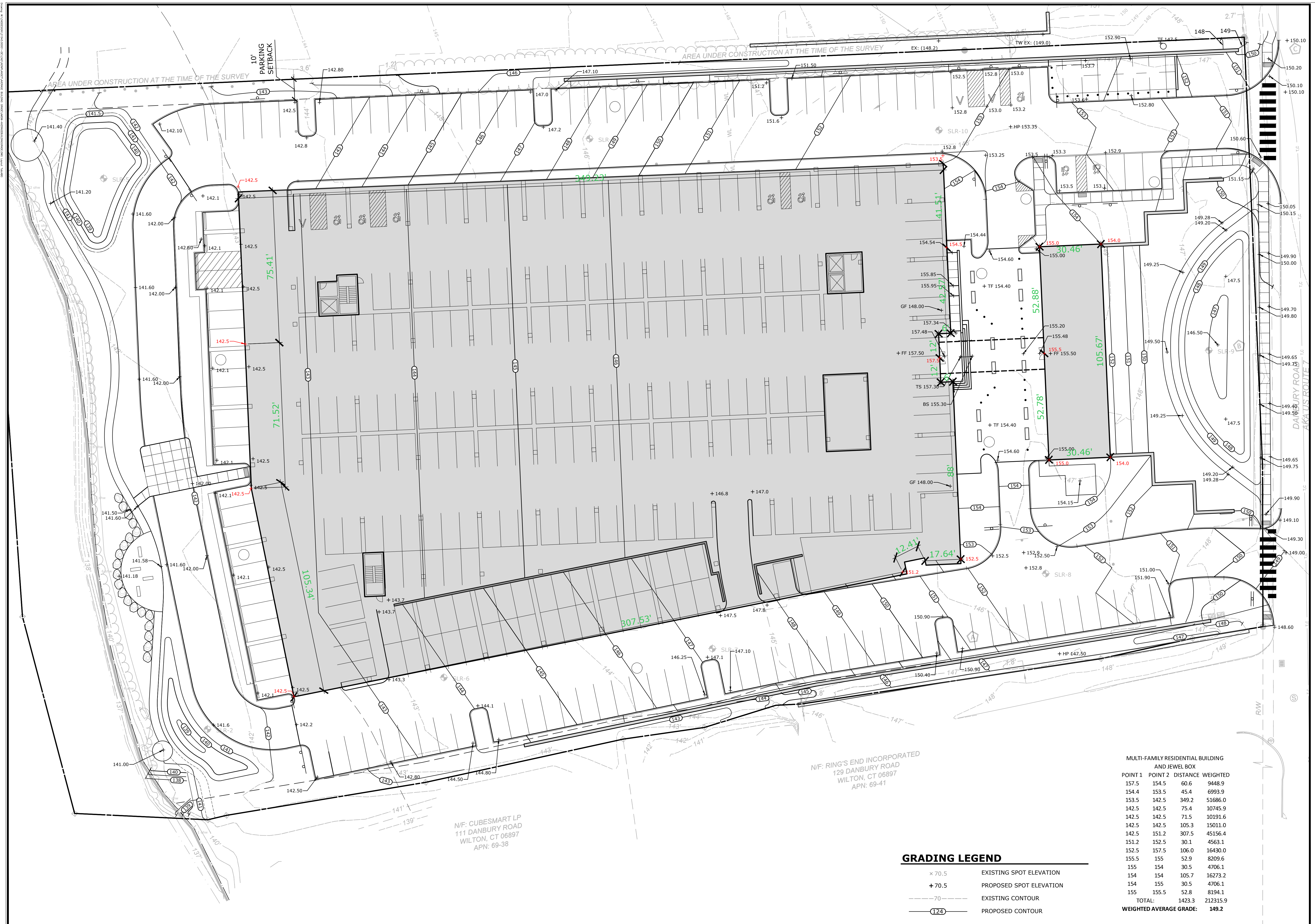
SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK LESS THAN 5'
(TYPE 15)



DESCRIPTION	DATE	BY
WPCA REVISIONS	11/14/2023	AWG
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	2/28/2024	AWG

SITE DETAILS	PROPOSED MULTI-FAMILY DEVELOPMENT	131 DANBURY ROAD WILTON, CONNECTICUT
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AWG DESIGNED	AWG DRAWN	TD CHECKED
AS NOTED		
OCTOBER 23, 2023		
21543.00001		
18 OF 25		



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

DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG
PEER REVIEW COMMENTS	2/13/2024	RH
PEER REVIEW COMMENTS	2/28/2024	AWG

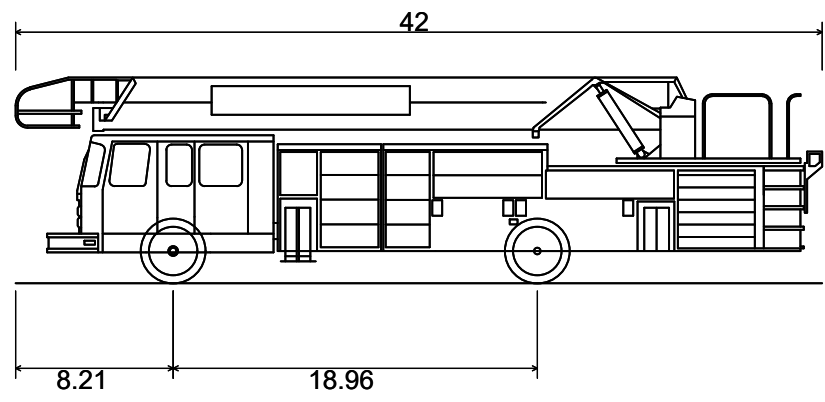
COMBINED AVERAGE BUILDING GRADE

PROPOSED MULTI-FAMILY DEVELOPMENT

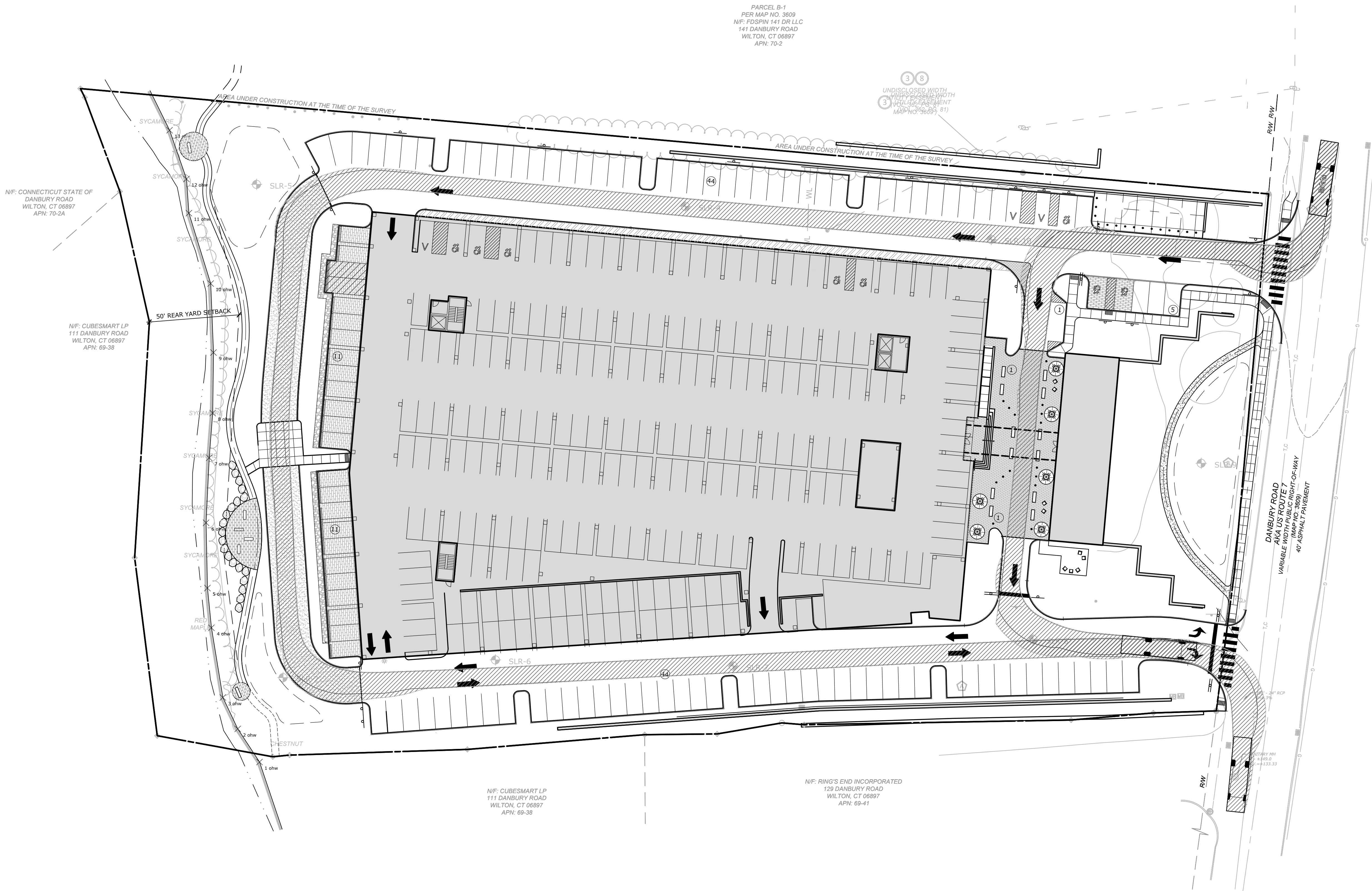
131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED
<p>1"=20'</p>		
<p>OCTOBER 23, 2023</p>		
<p>DATE</p>		
<p>21543.00001</p>		
<p>PROJECT NO.</p>		
<p>19 OF 25</p>		
<p>SHEET NO.</p>		
<p>ABG</p>		
<p>SHEET NAME</p>		

WILSON ENGINEERING, INC. 1000 WEST 10TH AVENUE SUITE 100 DENVER, CO 80202
TEL: 303.733.8800 FAX: 303.733.8801
WWW.WILSONENGINEERING.COM



Wilton Fire Truck
Overall Length 42.000ft
Overall Width 10.000ft
Overall Body Height 10.715ft
Min Body Ground Clearance 1.146ft
Track Width 9.620ft
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 33.167ft



99 REALTY DRIVE
SUITE 200
283.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG

VEHICLE TURNING MOVEMENT - FIRE TRUCK

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	RH	TD
DESIGNED	DRAWN	CHECKED

1"=30'

OCTOBER 23, 2023

DATE

21543.00001

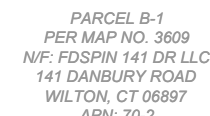
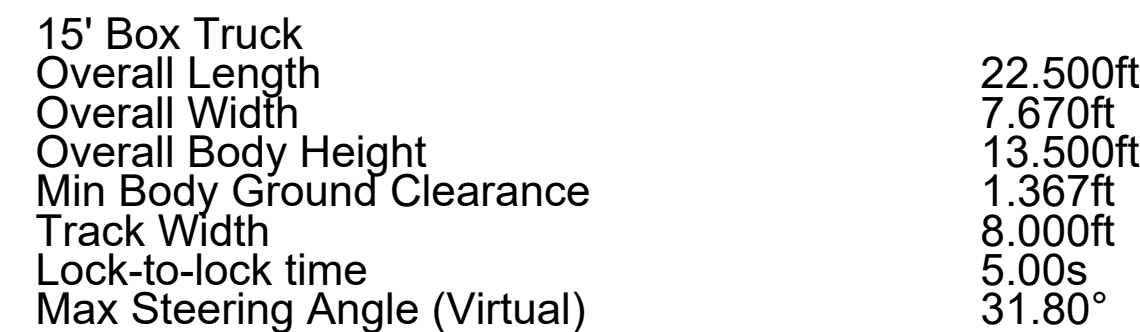
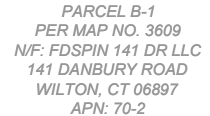
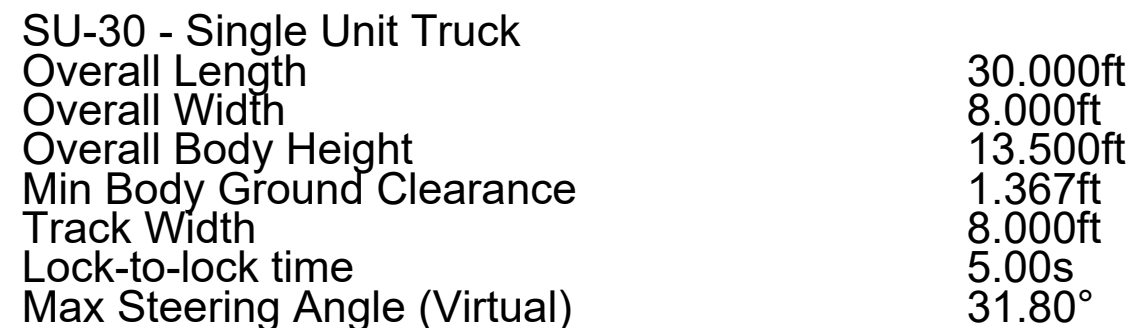
PROJECT NO.

23 OF 25

SHEET NO.

VH-1

SHEET NAME



99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773

DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG

VEHICLE TURNING MOVEMENT - SU-30 AND 15' BOX TRUCK

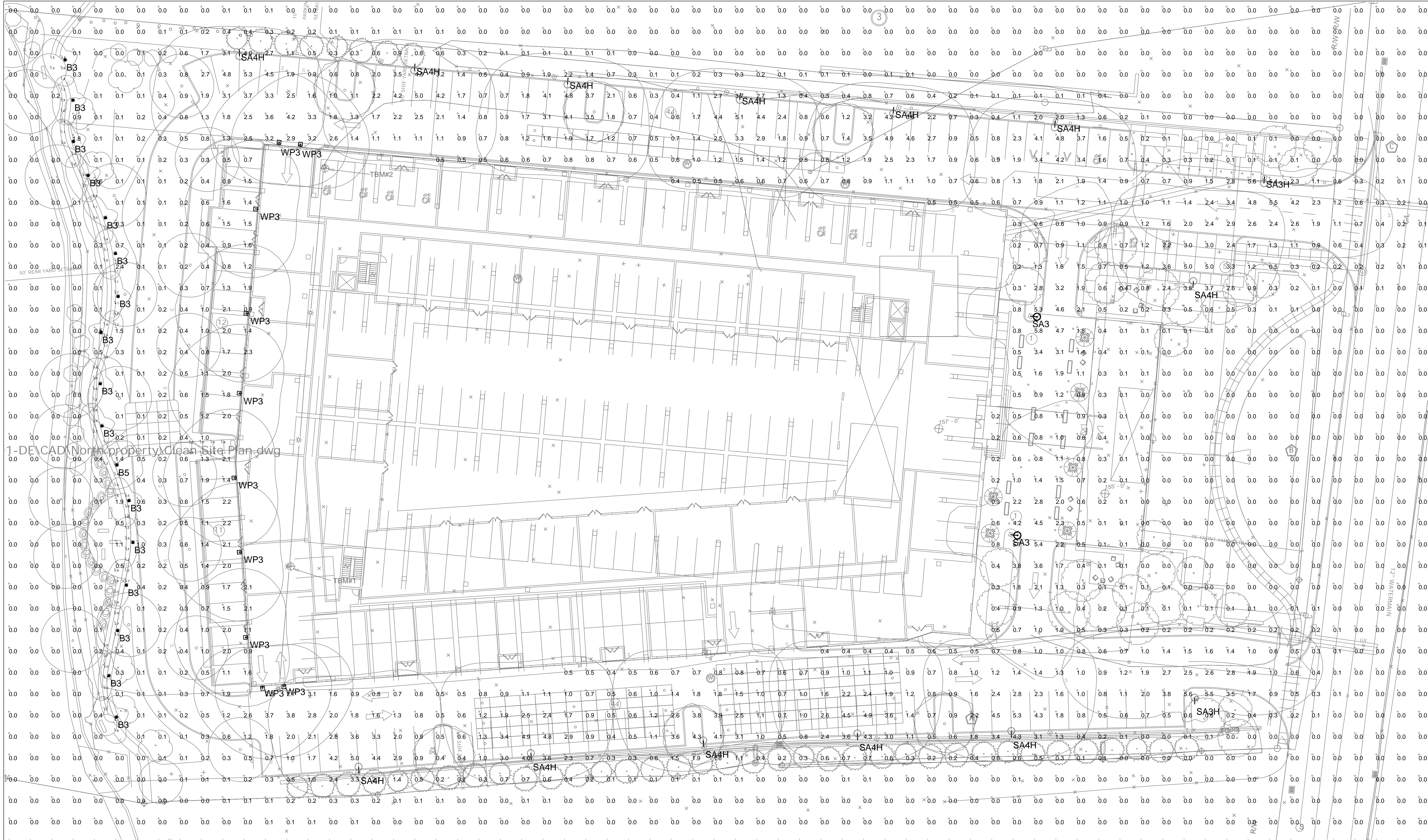
PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG DESIGNED	RH DRAWN	TI CHECKED
1"=40' SCALE		
OCTOBER 23, 2023 DATE		
21543.00001 PROJECT NO.		
24 OF 25 SHEET NO.		

VH-2

SHEET NAME



1-DE CAD North Property Clean Site Plan.dwg



POLE LIGHT - FIXTURE

POLE LIGHT - POLE



BOLLARD



UPLIGHT



BUILDING SCONCE

GENERAL DISCLAIMER:

Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to differences in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

* LLF Determined Using Current Published Lamp Data








NOTE TO REVIEWER:

Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) from current lamp manufacturer's catalog, a Luminaire Dirt Depreciation Factor (LDD) based on IES recommended values and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results. For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.



20-30 BEAVER ROAD, WETHERSFIELD, CT 06109
TELEPHONE 860.632.8766 / WWW.APEXLTG.COM

JOB NAME: AMS WILTON - 131 DANBURY RD - WILTON, CT
APEX LIGHTING SOLUTIONS
WORKPLANE/CALC PLANE: AT FINISH GRADE
MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE
APPS: LEDPD
SALES: SP
SPECIFIER: SLR CONSULTING

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	[MANUFAC]	Filename	
	16	B3	Single	492	6.1	0.748	PBL-42-14L-100-WW-G2-3-UNV-BK	PHILIPS GARDCO	PBL-14L-100-WW-G2-3-UNV.asx	
	1	B5	Single	938	6.1	0.748	PBL-42-14L-100-WW-G2-5-UNV-BK	PHILIPS GARDCO	PBL-14L-100-WW-G2-5-UNV.asx	
	2	SA3	Single	9120	73	0.850	HER-48-3-500-T3-VOLT-L-T-BLK-HS / DS210- 99A300-19-TBD-SUBLUMINATION-DT-AB	RAGNI	EVD3-AS710-BELD28G4- 3000K-500mA-IES	
	2	SA3H	Single	8804	73.1	0.850	HER-48-3-500-T3-VOLT-L-T-BLK-HS / DS210- 99A300-19-TBD-SUBLUMINATION-DT-AB	RAGNI	EVD3-C13301-C1767BLK-4LED- 3000K-500mA-IES	
	12	SA4H	Single	7359	73.1	0.850	HER-48-3-500-T4-VOLT-L-T-BLK-HS / DS210- 99A300-19-TBD-SUBLUMINATION-DT-AB	RAGNI	EVD3-C13805-C1767BLK-4LED- 3000K-500 mA-IES	
	66	T1	Single	660	10	0.850	BLSD-W-A-87	PHILIPS HADC0	BLR_10W_WW_8700K.asx	
	10	WP3	Single	3254	38	0.850	PWS-19L-650-WW-G3-3-UNV / Wall Mounted 12H	GARDCO	PWS-19L-650-WW-G2-3-UNV.asx	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	AvgMin	MaxMin
Parking Lot	Footcandle	Fc	1.40	2.8	0.3	4.03	100 Gnd
Site	Illuminance	Fc	0.21	5.7	0.0	N.A.	100 Gnd
Walkway	Illuminance	Fc	2.03	5.8	0.6	3.38	6.67 DR Gnd

PROJECT TITLE:

AMS WILTON
131 DANBURY RD
WILTON, CT

DRAWING TITLE:

SITE LIGHTING
PHOTOMETRIC CALCULATION

SCALE : 1"=20'-0"

DATE: 2/7/24

DRAWN BY: LED/PD

SHEET:

SL-1C