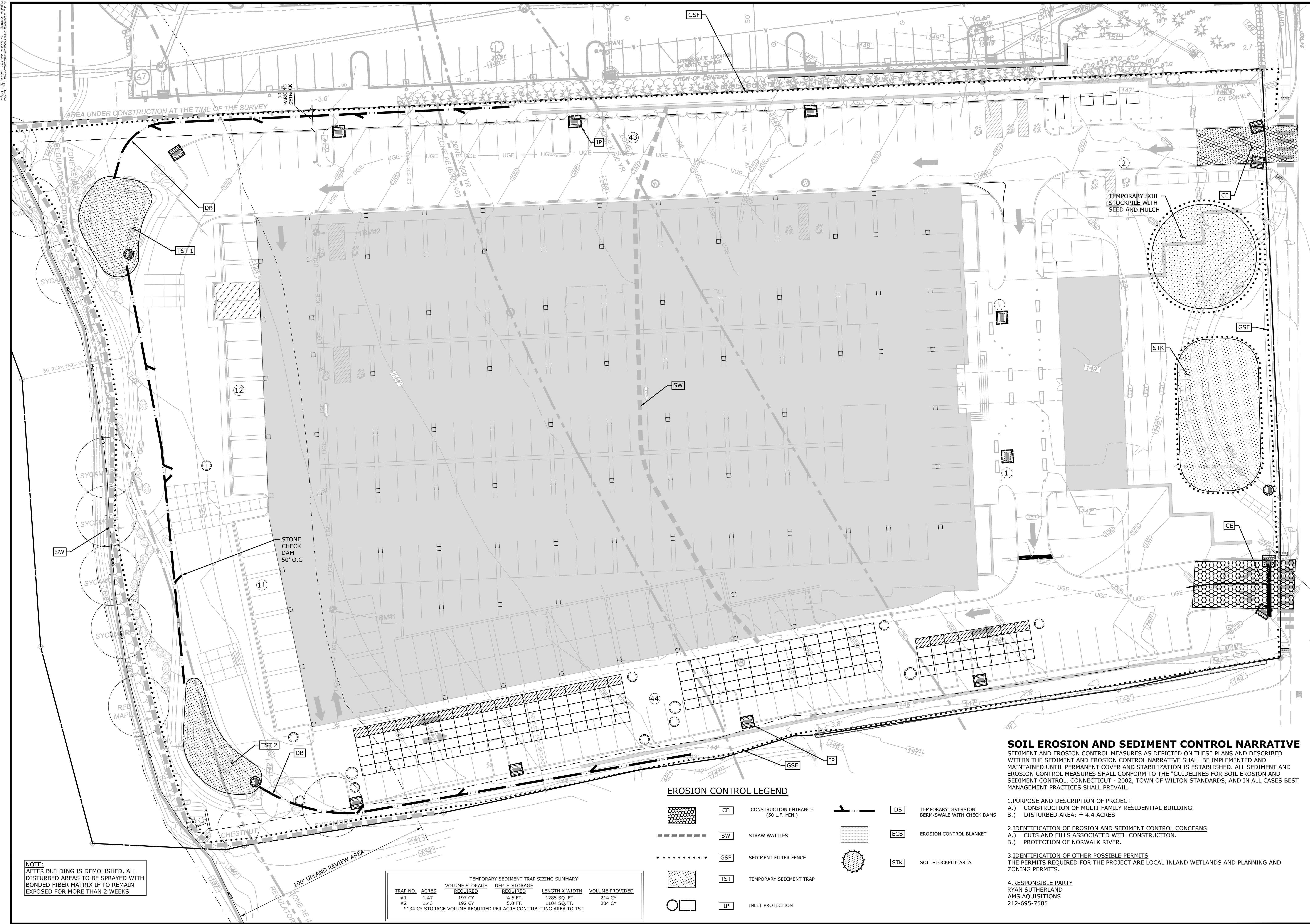


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SLR

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SUITE 100
WILTON, CT 06410
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DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG

SEDIMENT AND EROSION CONTROL PLAN

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED

1"=20'

OCTOBER 23, 2023

DATE

21543.00001

PROJECT NO.

09 OF 21

SHEET NO.

SE-1

SHEET NAME

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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, UPOGRASS, 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

ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE
4. UNLESS HYDROSEED, WORK IN LIME TO A DEPTH OF 4 INCHES WITH A DISK OR ANY SUITABLE EQUIPMENT. DO NOT WORK FINISHED COMPOST INTO THE SOIL.
5. APPLY IT EVENLY TO SOIL SURFACE AS A SEED BED.
6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

SITE PREPARATION:

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

ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE
6. UNLESS HYDROSEED, WORK IN LIME TO A DEPTH OF 4 INCHES WITH A DISK OR ANY SUITABLE EQUIPMENT. DO NOT WORK FINISHED COMPOST

VEGETATED 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 INOCULANT 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:

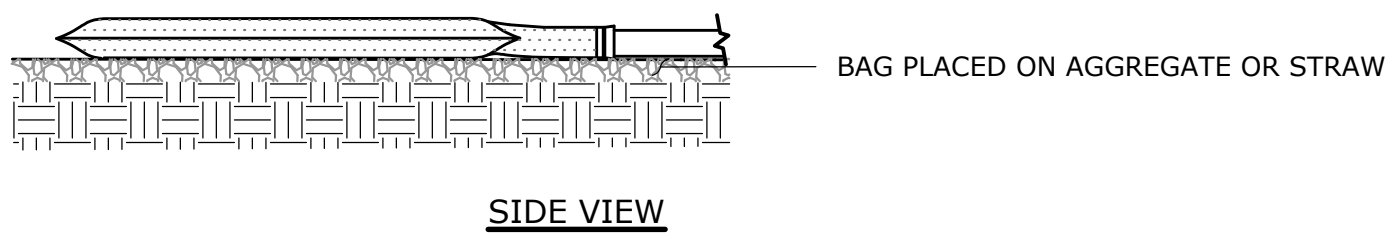
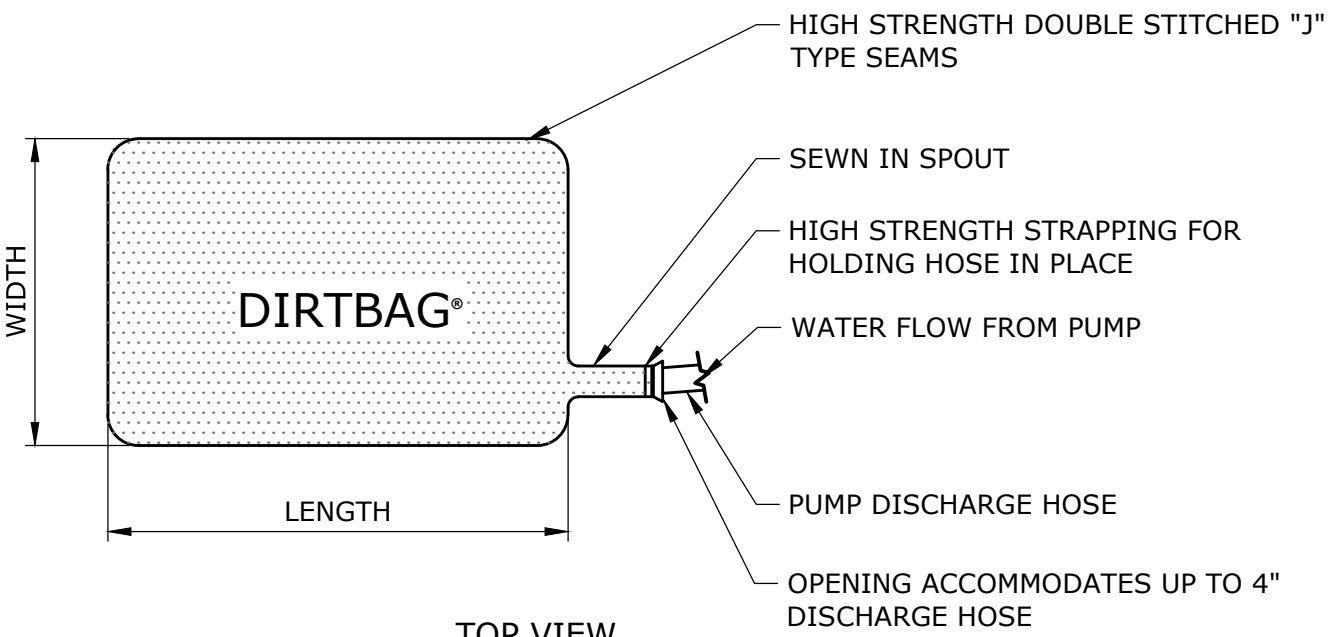
1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST NE BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

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').

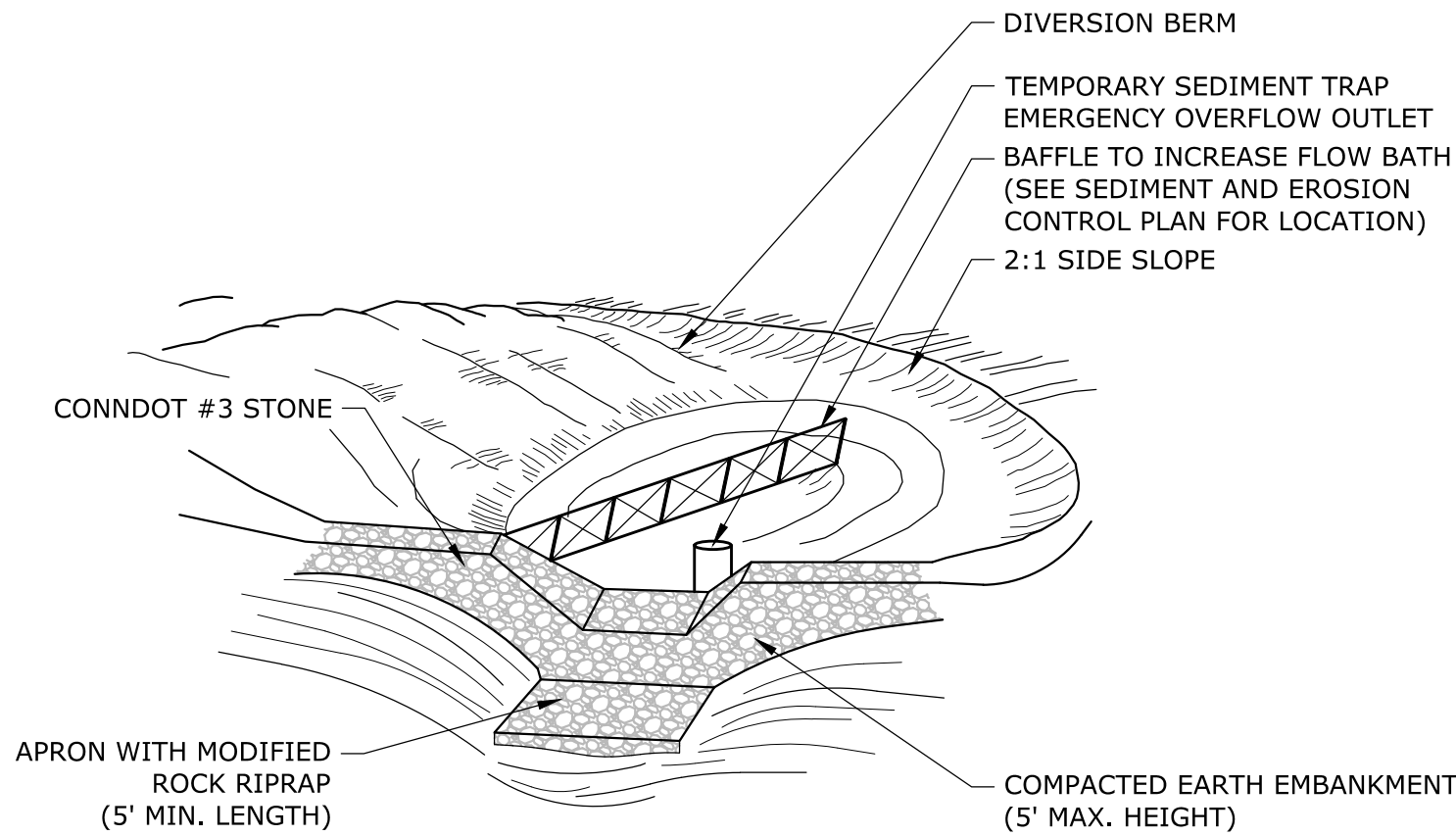
INSTALLATION AND MAINTENANCE:

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.



DIRTBAG PUMPED SILT CONTROL SYSTEM

NOT TO SCALE

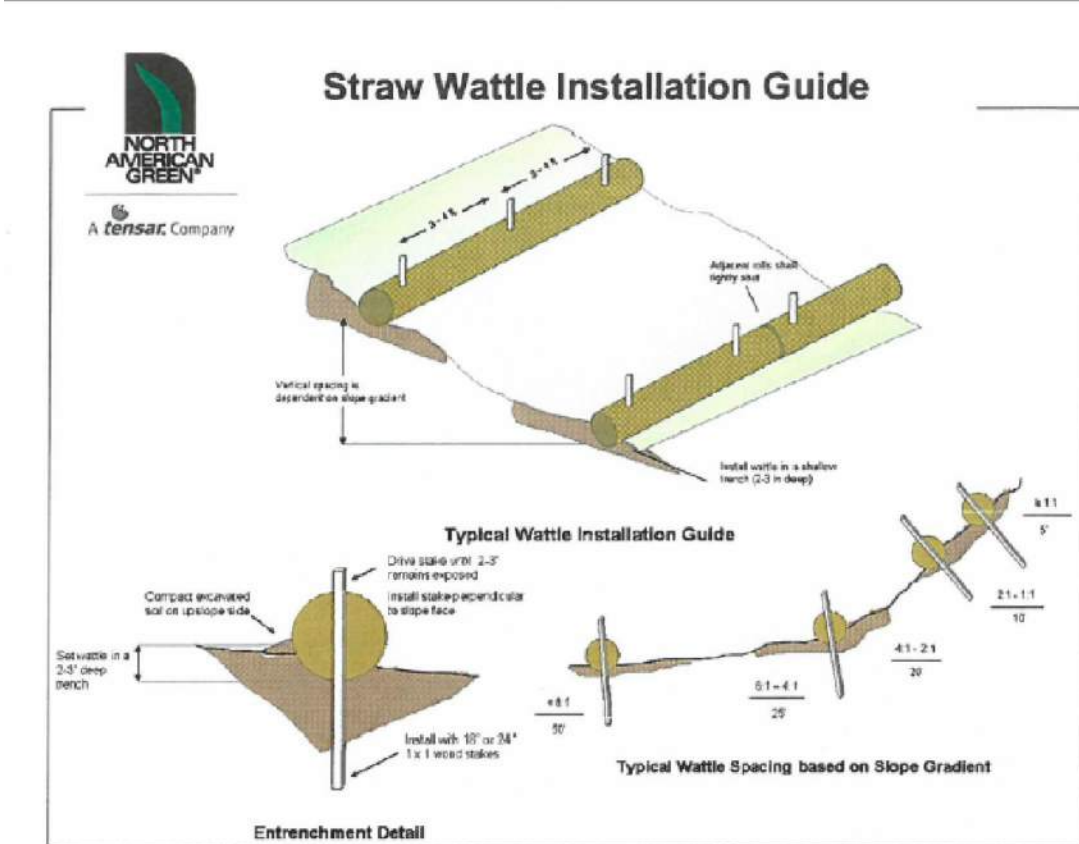


NOTES:

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

TEMPORARY SEDIMENT TRAP

NOT TO SCALE



1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 3'-0" (91.4 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UPSLOPE 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' (0.9 - 1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 3'-0" (91.4 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.

To maximize sediment containment with the Straw Wattle, place the initial structure at the top 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 identified from the top of the slope. The final structure should be installed at or just beyond the bottom 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 (REDCP) or hydraulic erosion control products (HECP). If vegetation is desired for permanent erosion control, North American Green recommends that REDCP or HECP be used to provide effective immediate erosion control until vegetation is established. Straw Wattles may be used in conjunction with bankarm, 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

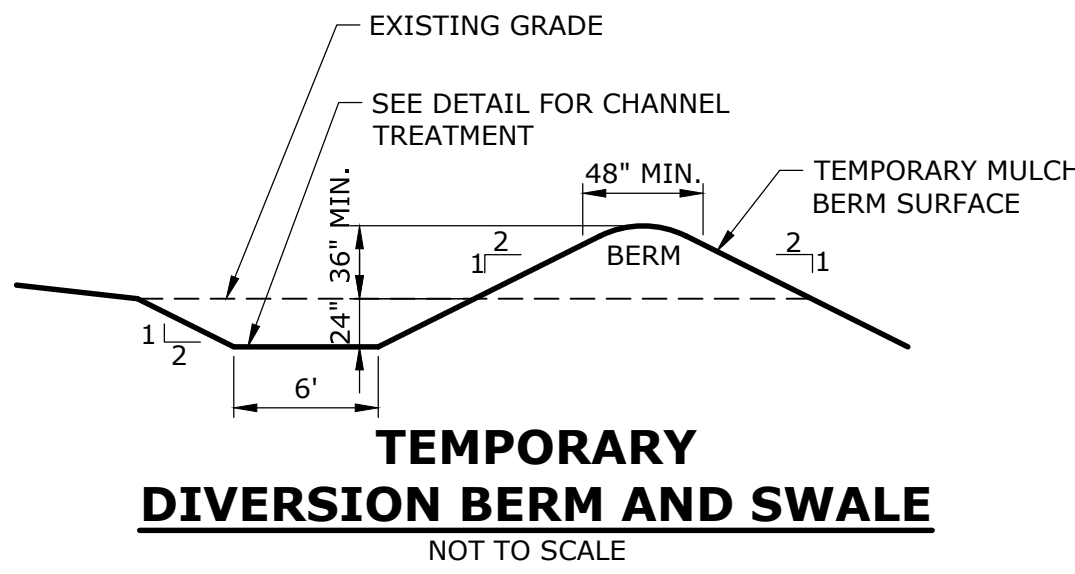
Rev. 1/2008

NOTES:

1. STRAW WATTLES SHALL HAVE A 9" DIAMETER MIN.

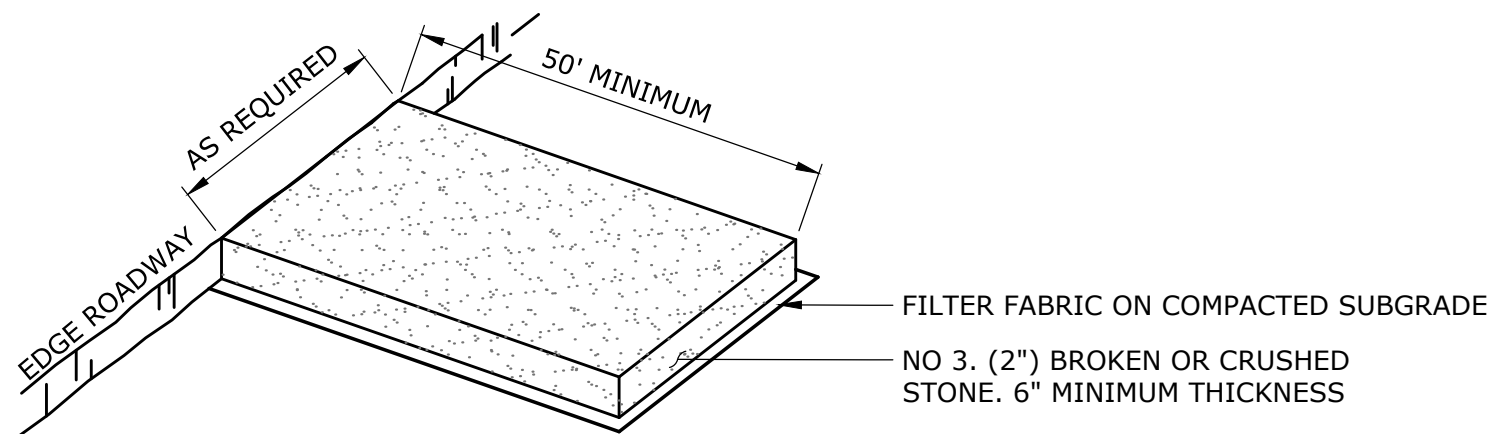
STRAW WATTLE

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TEMPORARY DIVERSION BERM AND SWALE

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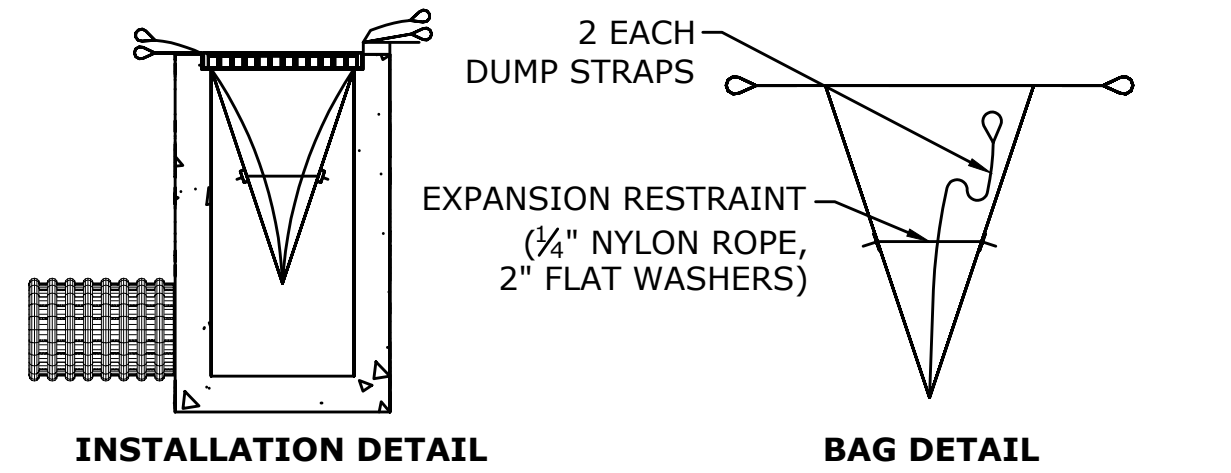


NOTES:

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

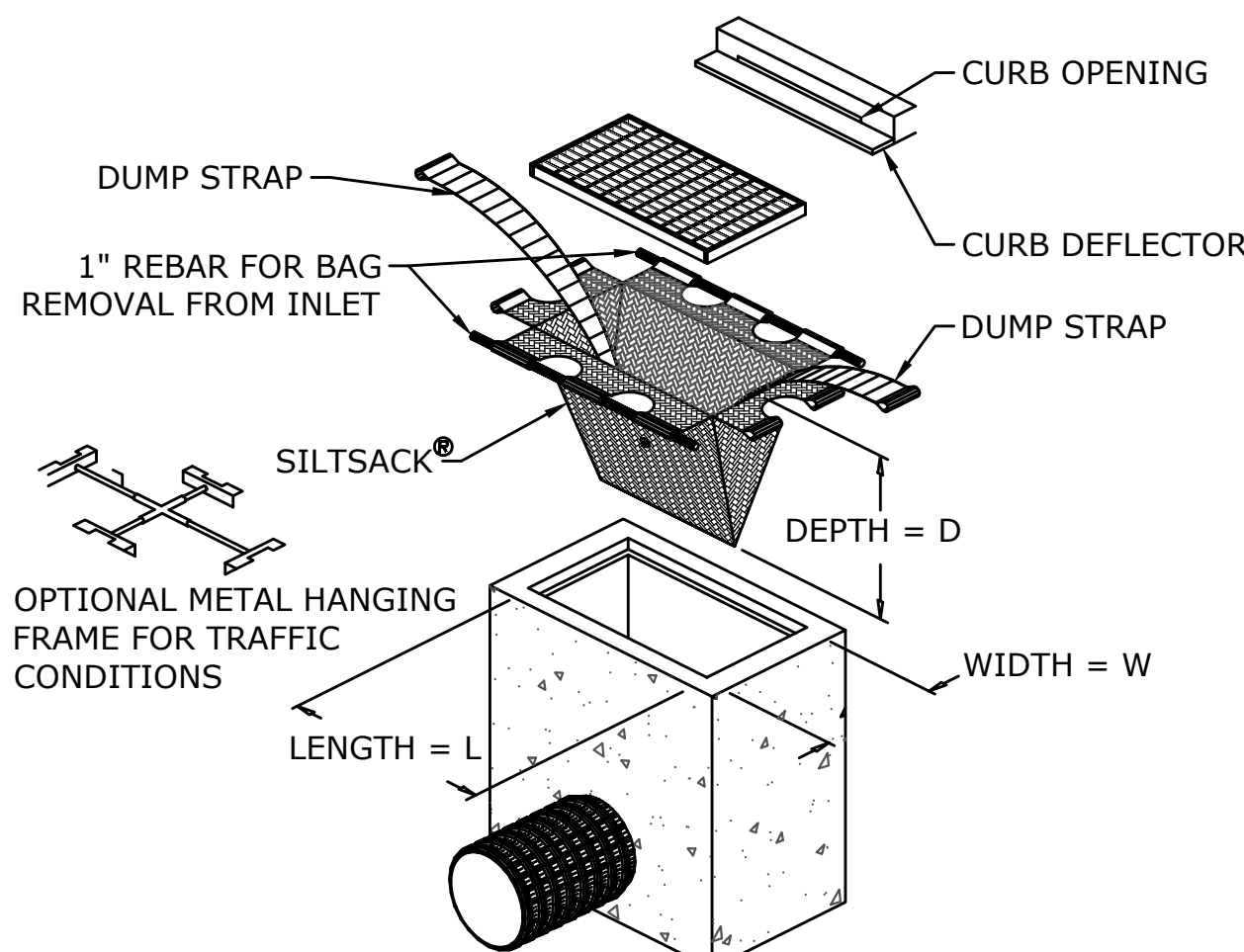
CONSTRUCTION ENTRANCE PAD

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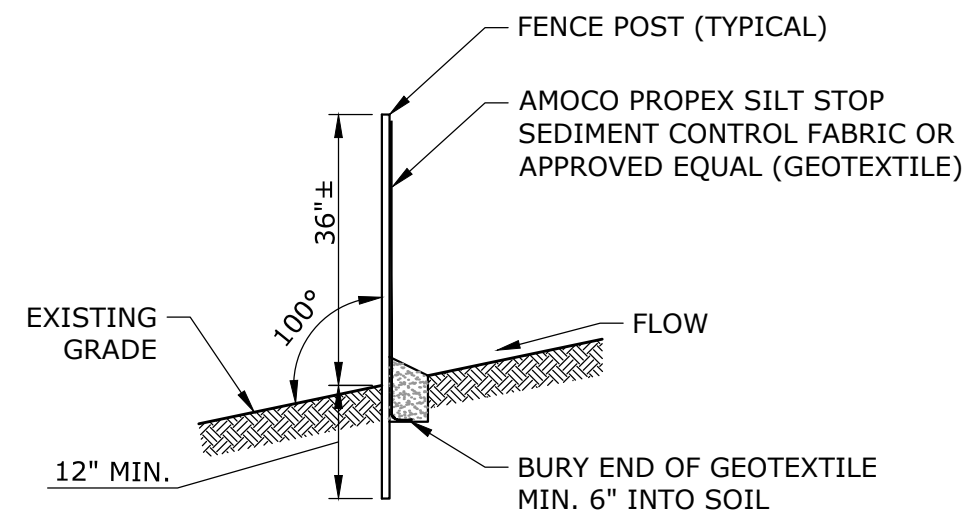
INSTALLATION DETAIL

BAG DETAIL



INLET PROTECTION

NOT TO SCALE



SEDIMENT FILTER FENCE

NOT TO SCALE

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 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/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 - EVIDENCE OF SILT FENCE - 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 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.
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 SCOUR/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.



99 REAITY DRIVE
WILTON, CT 06410
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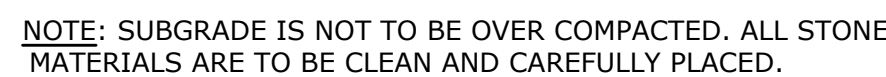
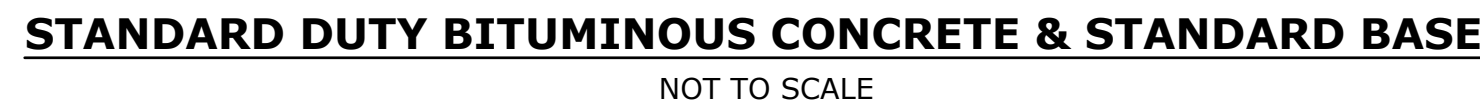
DESCRIPTION	DATE	BY

SEDIMENT AND EROSION CONTROL SPECIFICATIONS AND DETAILS

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED
AS NOTED		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
10 OF ##		
SHEET NO.		
SE-2		
SHEET NAME		



NOT TO SCALE



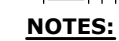
1. CONCRETE PER 32 30 16 - CAST IN PLACE CONCRETE
 - 1.1. PC04460
 - 1.2. 4,400 PSI AT 28 DAYS
 - 1.3. CEMENT CONTENT OF 658LB MINIMUM
 - 1.4. AGGREGATE No. 5 (3/4") MAX - PER 2.3.D.2.f
2. WATER TO CEMENT RATIO 0.44
3. EXPANSION JOINTS 20' O.C. MAXIMUM.
4. PROCESSED AGGREGATE BASE IS TO EXTEND 6" PAST LINE OF CONCRETE WALK WHERE WALK DOES NOT ABUT A CURB OR STRUCTURE
5. BOND BREAKER SHALL BE USED WHEN ABUTTING GRANITE CURB.
6. LOAD PLATES SHALL BE INSTALLED AT ALL EXPANSION JOINTS.

NOT TO SCALE



1. PAVERS SHALL BE AS SPECIFIED.
 2. TO BE ACCEPTED, PAVERS SHALL BE INSTALLED IN SUCH A MANNER THAT:
 - 2.1. THE PAVING WALKING SURFACES ARE WITHIN 1/8" OF EACH OTHER AND ADJACENT FINISHED SURFACES (I.E. GRANITE CURB AND CONC. WALK)
 - 2.2. THE PAVERS HAVE NO JOINTS GREATER THAN 1/16" AND ARE BUTT-TIGHT TO MANUFACTURER NUBS SAND JOINTS BETWEEN JOINTS IS VIBRATED AND WITHIN 3/16" OF THE PAVER WALKING SURFACE.
 - 2.4. NO PAYER IS CRACKED OR BROKEN
3. CONTRACTOR SHALL CONSTRUCT A PAYER SAMPLE PATTERN FOR EACH PATTERN AS SPECIFIED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO AUTHORIZATION TO INSTALL PAVERS.

NOT TO SCALE



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
EXPANSION JOINT TO RUN TO THE FACE OF CURB.

NOT TO SCALE



1. CONCRETE TO BE 4000 PSI WITH 5-7% AIR ENTRAINMENT AT 28 DAYS. 1/2" EXPANSION JT. AT INTERVALS NOT TO EXCEED 20'. EXPANSION JOINT TO RUN TO THE FACE OF CURB.
2. TO BE USED IN ALL LOCATIONS WHERE PROPOSED CONCRETE WALKS ABUT PROPOSED CONCRETE CURB
3. BOULDERS AND LEDGE ROCK TO BE REMOVED 6" BELOW SUBGRADE

NOT TO SCALE



1. CONCRETE TO BE 4000 PSI WITH 5-7% AIR ENTRAINMENT AT 28 DAYS. 1/2" EXPANSION JT. AT INTERVALS NOT TO EXCEED 20'. EXPANSION JOINT TO RUN TO THE FACE OF CURB. SEE PLANS FOR SPACING
2. BOULDERS AND LEDGE ROCK TO BE REMOVED 6" BELOW SUBGRADE

NOT TO SCALE



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.

NOT TO SCALE



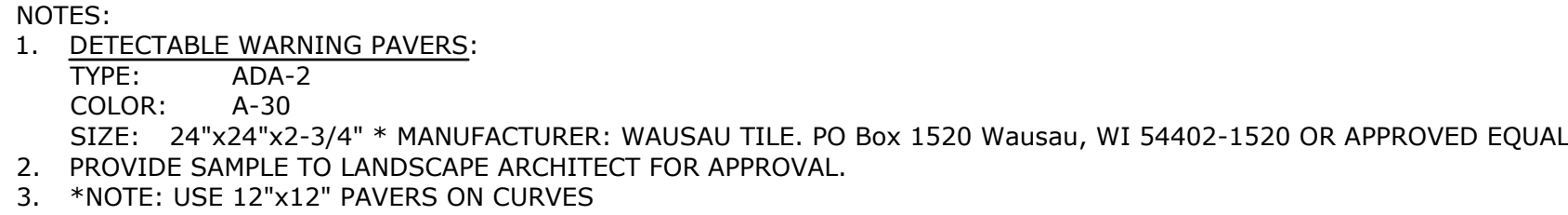
1. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS WITH WASHERS, 2 PER SIGN.
2. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8" LAG BOLTS WITH LEAD EXPANSION SHIELD, 4 PER SIGN.
3. BOTTOM OF FOOTING TO BE 12" BELOW FROST LINE, EXISTING UNDISTURBED GRADE OR FINISHED GRADE, WHICHEVER IS GREATER.

NOT TO SCALE

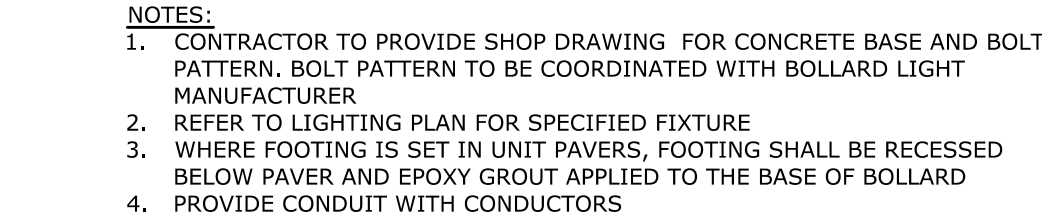
AWG	AWG	TI
DESIGNED	DRAWN	CHECKED
AS NOTED		
SCALE		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
11 OF 21		
SHEET NO.		
SD-1		
SHEET NAME		



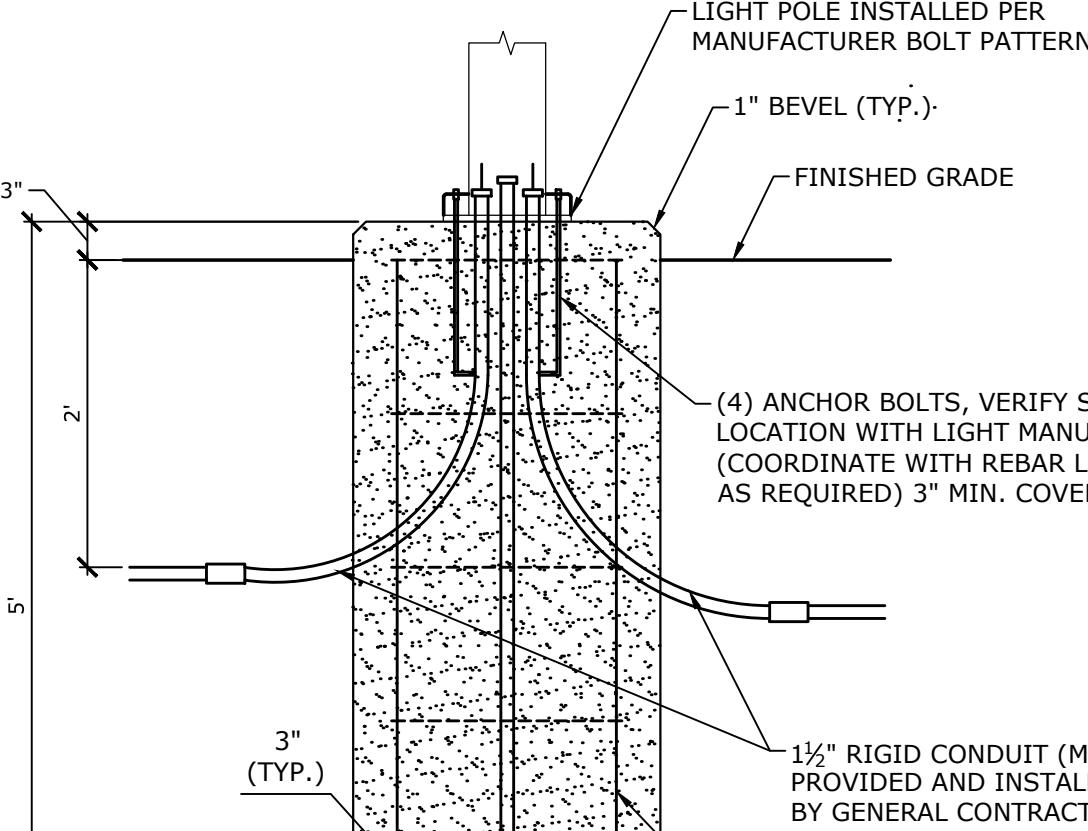
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOTES:

1. ALL INDICATED SLOPES ARE MAXIMUMS

NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



1. FOR POST MOUNTING, USE NON-CORROSIVE 3/8" MACHINE BOLTS WITH WASHERS, 2 PER SIGN.
2. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8" LAG BOLTS WITH LEAD EXPANSION SHIELD, 4 PER SIGN.
3. BOTTOM OF FOOTING TO BE 12" BELOW FROST LINE, EXISTING UNDISTURBED GRADE OR FINISHED GRADE, WHICHEVER IS GREATER.

NOT TO SCALE

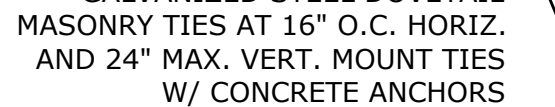


ENLARGEMENT

- NOTES:**

1. GRASS/PLANT TYPES SHALL BE SPECIFIED BY A LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER

NOT TO SCALE



SCALE: 1"=1'-0"



NOT TO SCALE

Y

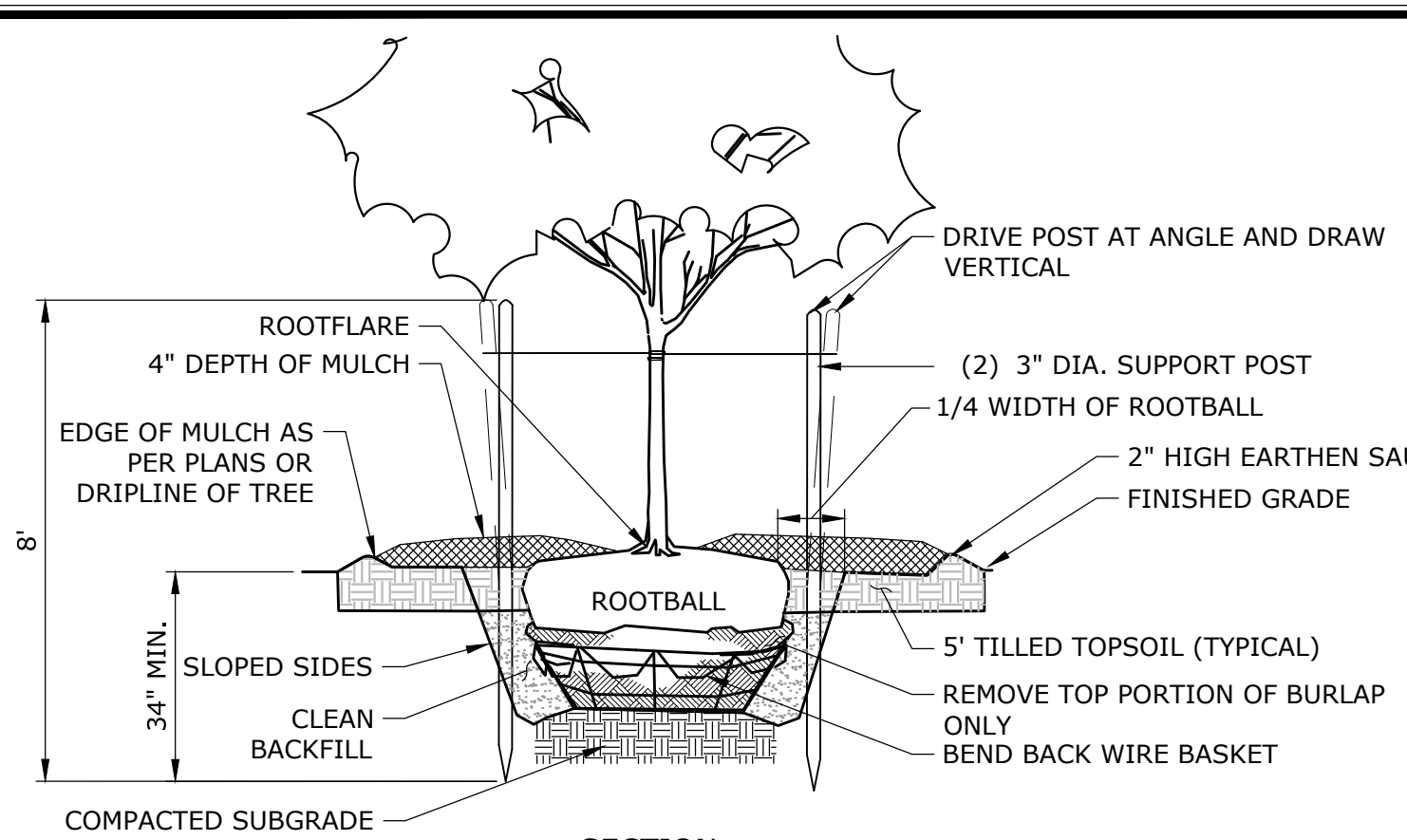
5

SCAL

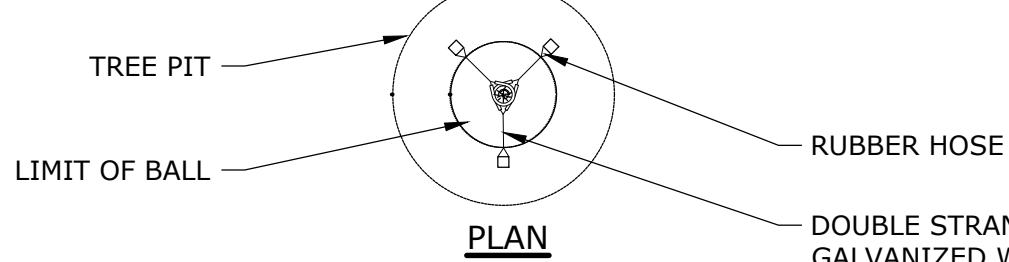
SD-2

SHEET NAME

CONCEPTS: SEE PRELIMINARY 2022. THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION OF ANYTHING WITHOUT THE WRITTEN APPROVAL OF SLR CONSULTING, INC.



SECTION

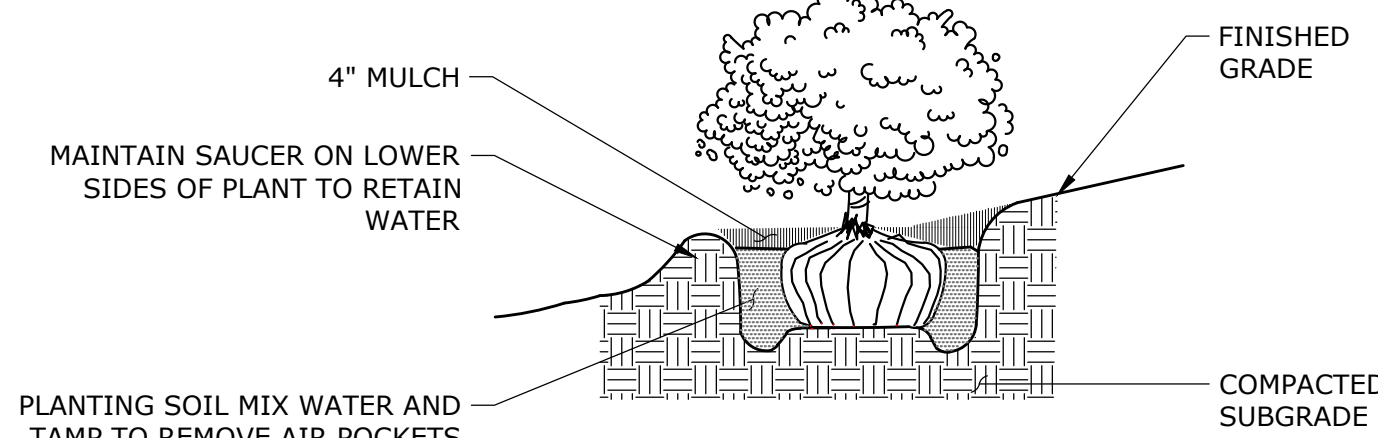


PLAN

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

TREE PLANTING

NOT TO SCALE

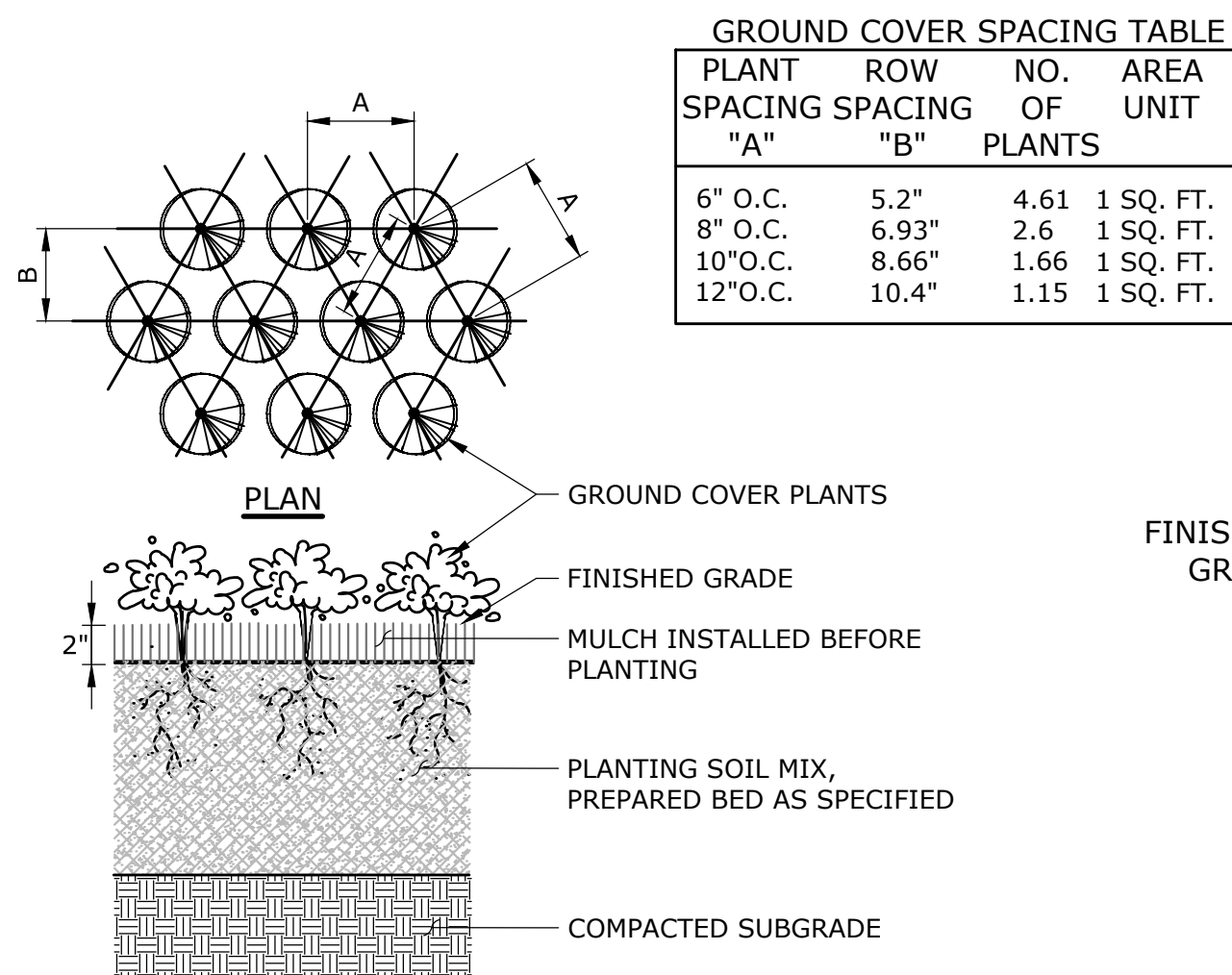


NOTES:

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

SHRUB PLANTING

NOT TO SCALE

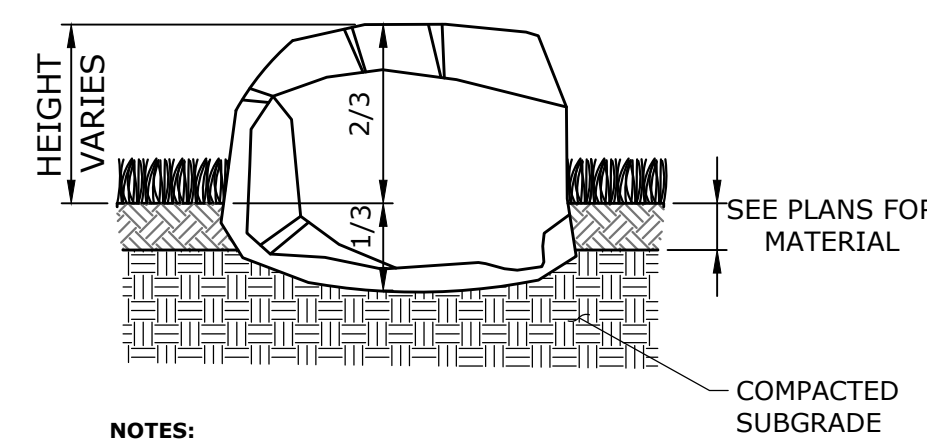


SECTION

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

GROUND COVER/ PERENNIAL PLANTING

NOT TO SCALE

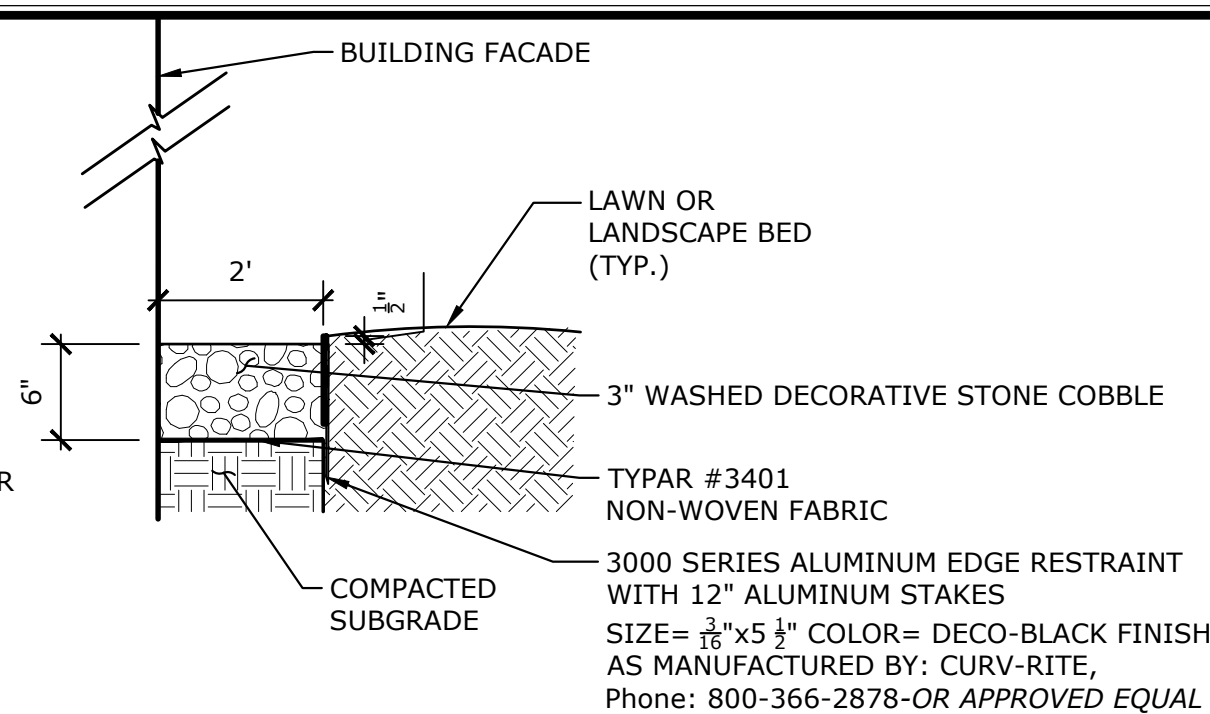


NOTES:

1. ALL LOCATIONS AND ELEVATIONS TO BE APPROVED BY THE ENGINEER.

PLACED BOULDER

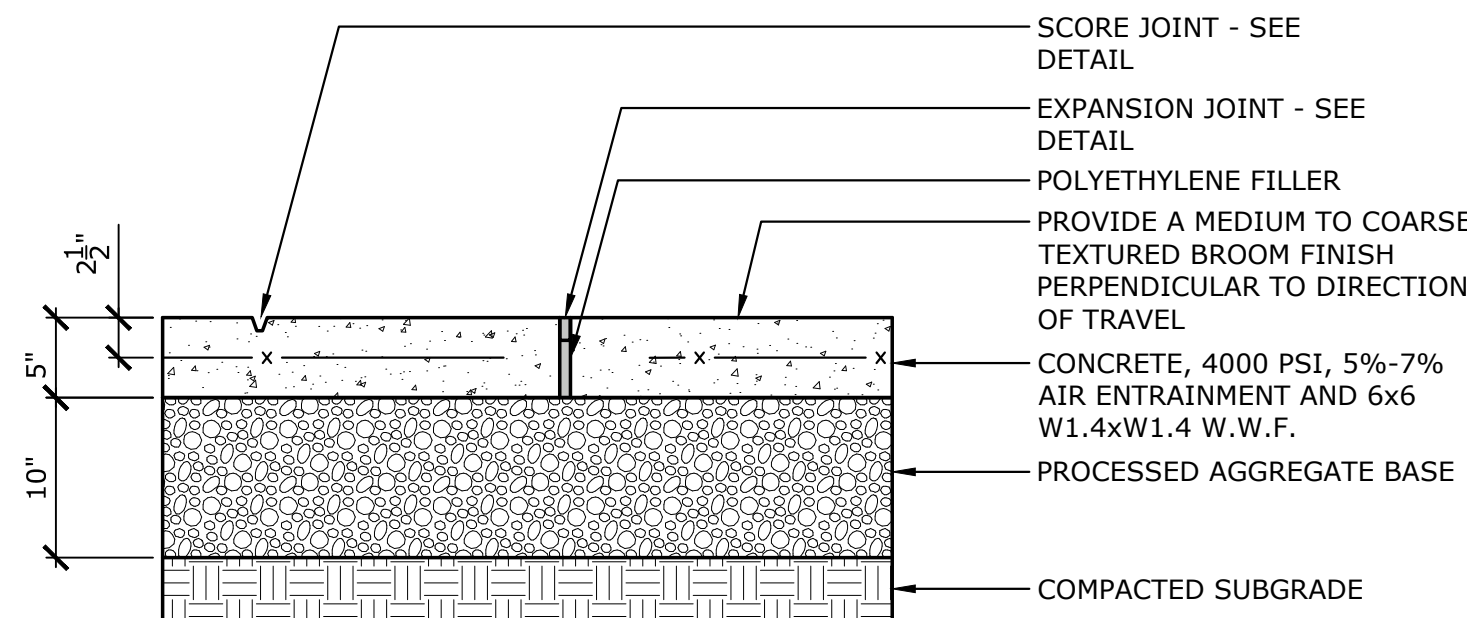
NOT TO SCALE



- NOTE:
1. CONTRACTOR SHALL PROVIDE PRODUCT STONE AND EDGE SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT.

STONE MOW STRIP AT BUILDING FOUNDATION

NOT TO SCALE

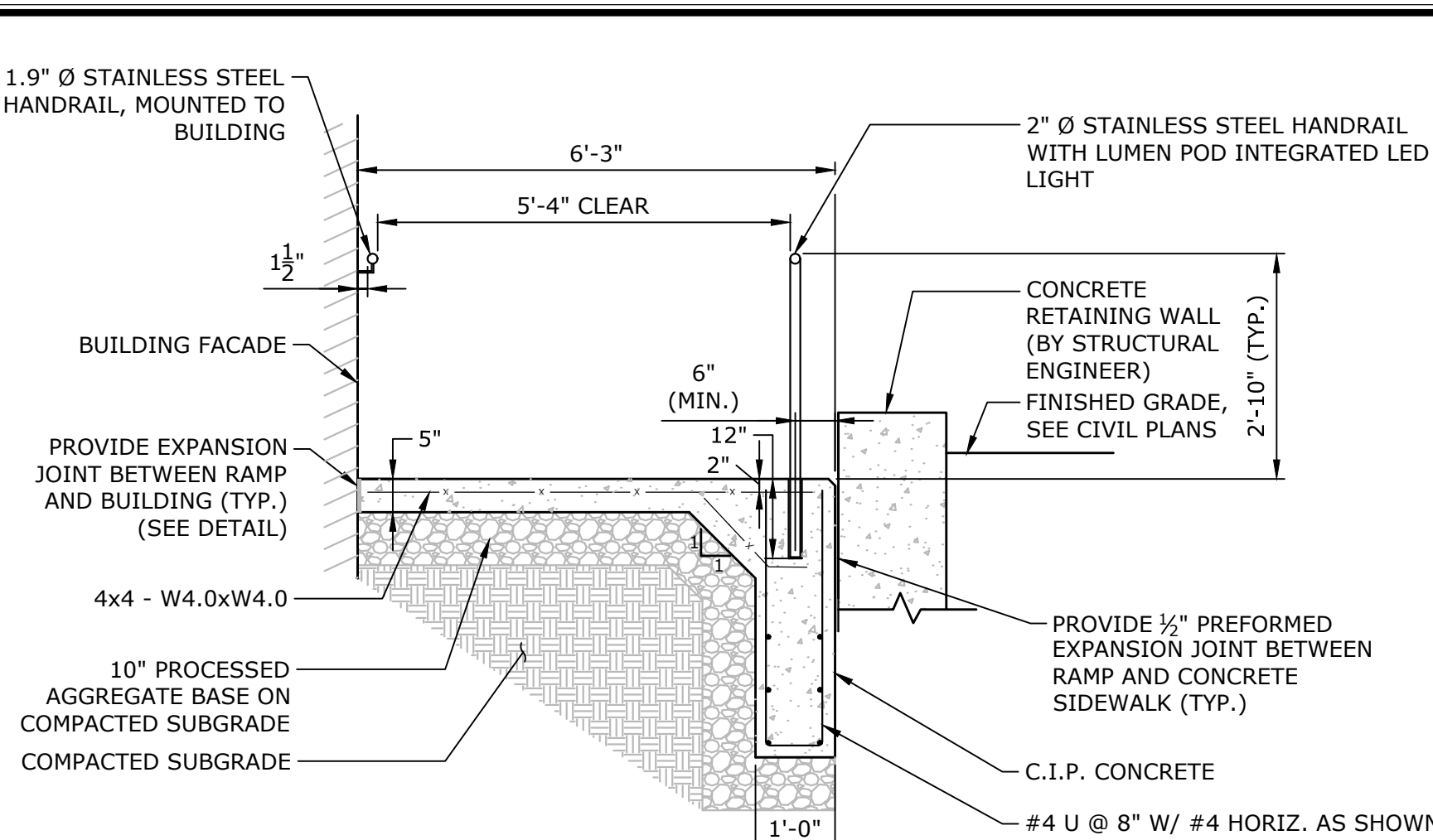


NOTES:

1. EXPANSION JOINTS 24' O.C. MAX. OR AS PER PLAN.
2. SCORE JOINTS 6' O.C. TYP (OR AS SHOWN ON PLANS).
3. PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINTS, WALLS, BUILDINGS, OR WHERE CONCRETE ABUTS EXISTING CONCRETE.
4. PROVIDE COLOR SAMPLES OF EXPANSION JOINT CAULKING TO LANDSCAPE ARCHITECT FOR APPROVAL.
5. PROVIDE CLEAR-DRYING CONCRETE SEALER FOR SALT PROTECTION. CONTRACTOR TO SUBMIT PRODUCT INFORMATION FOR APPROVAL.

CONCRETE PAVEMENT - RAMP

N.T.S.



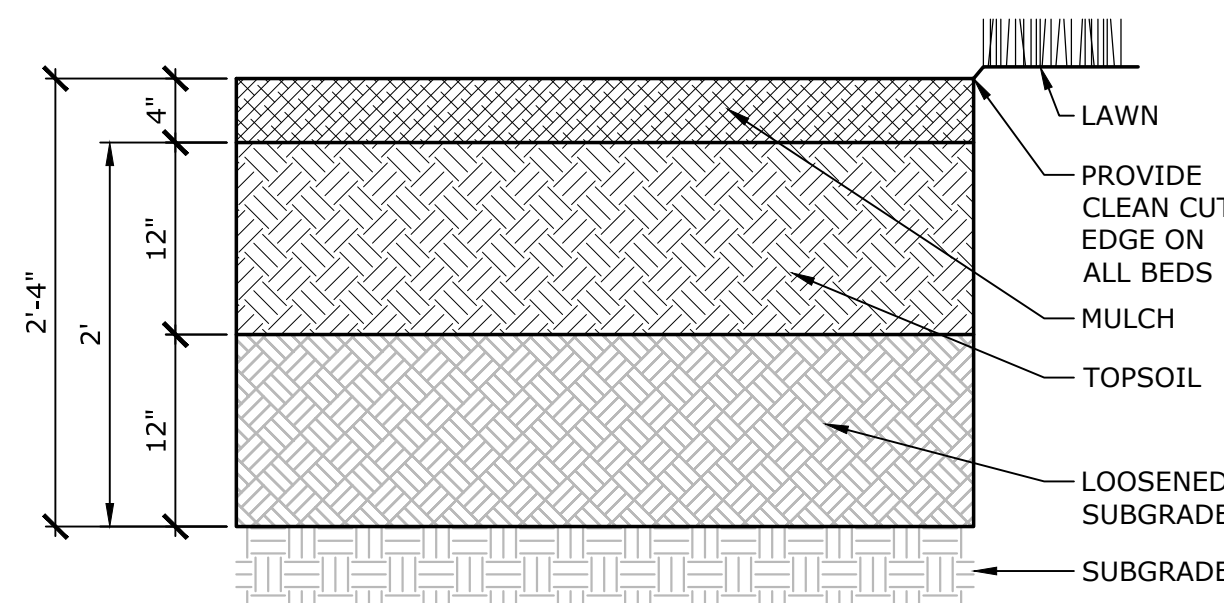
SECTION A-A¹

NOTES:

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL RAILINGS PROPOSED IN PROJECT.

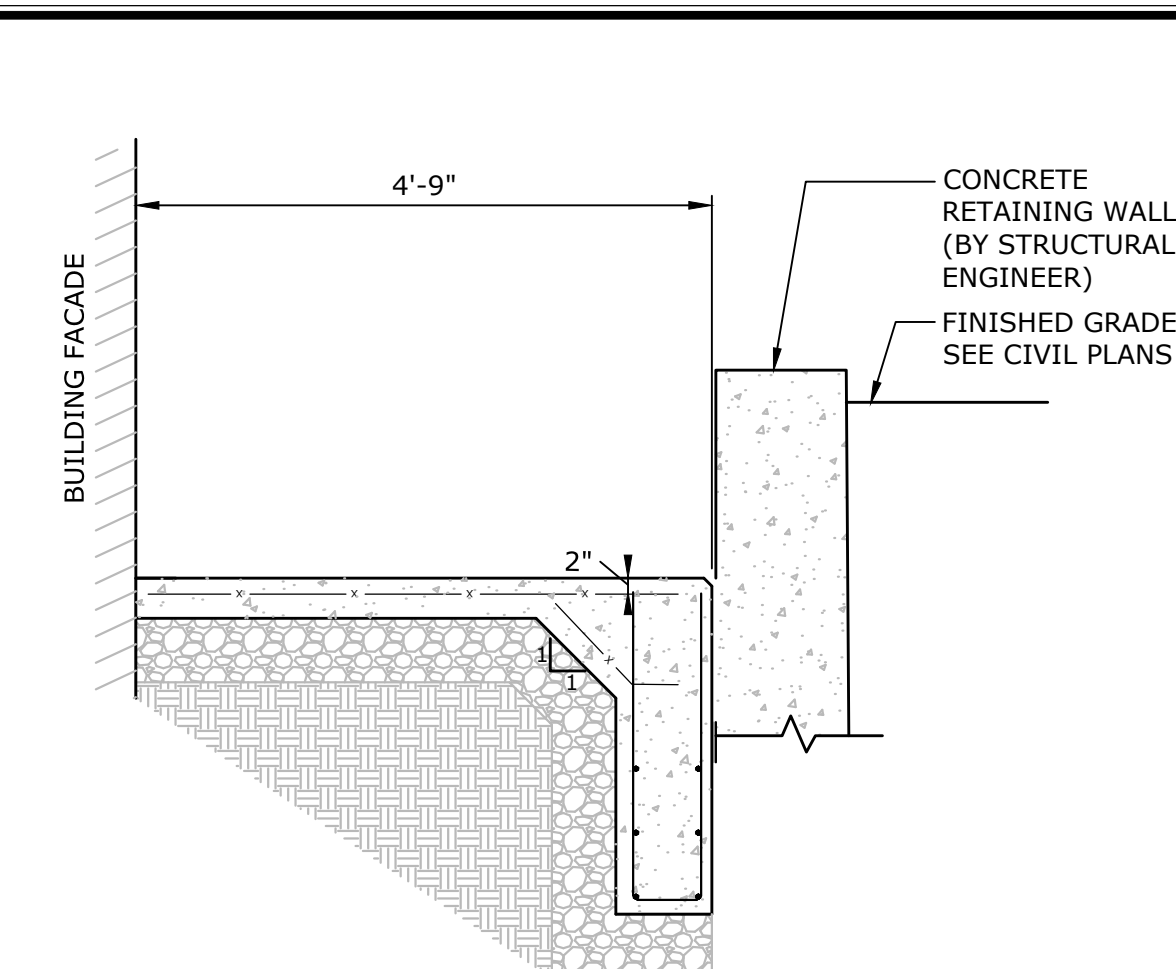
ACCESSIBLE RAMP SECTION

1/2" = 1'-0"



PLANTING BED

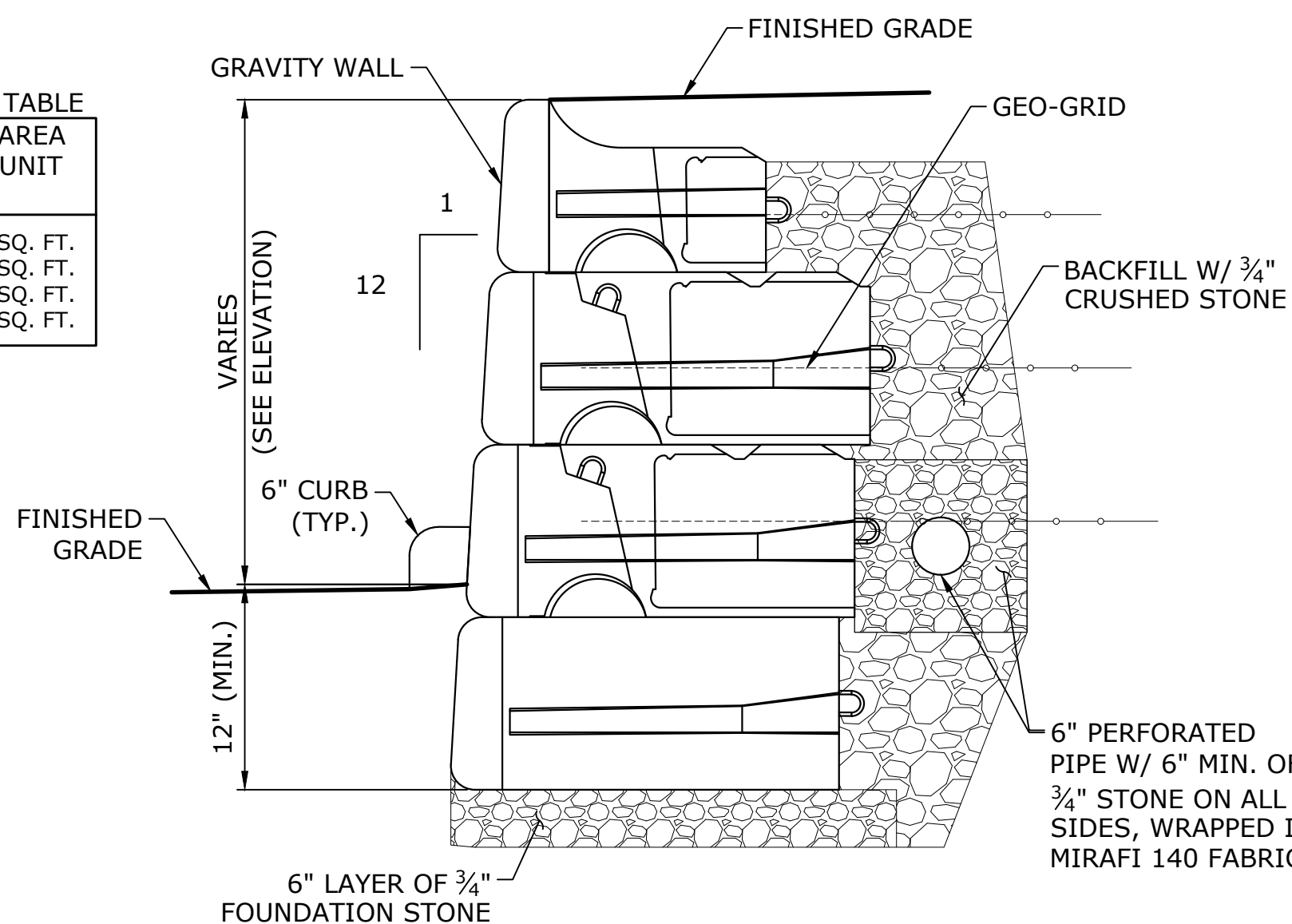
NOT TO SCALE



SECTION B-B¹

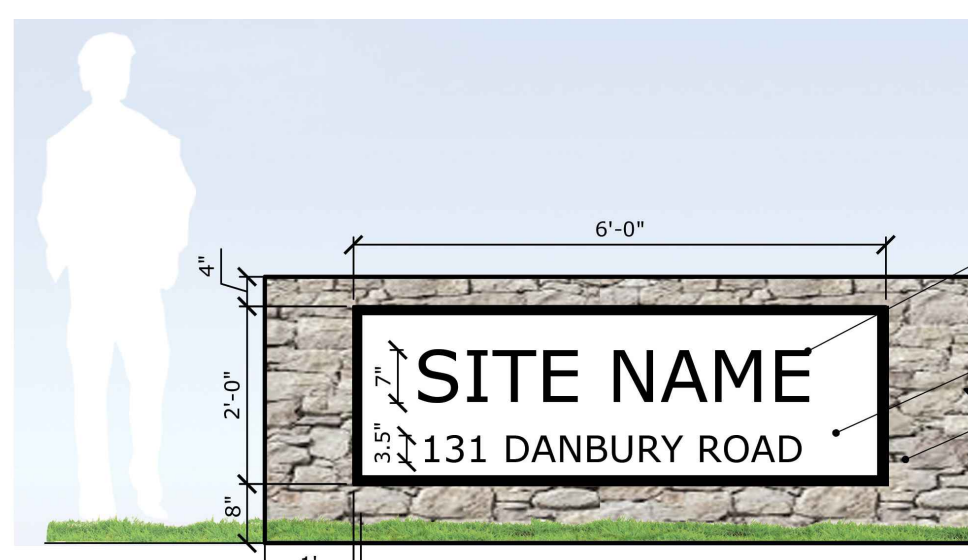
CONCRETE RAMP AT BUILDING FACE

N.T.S.



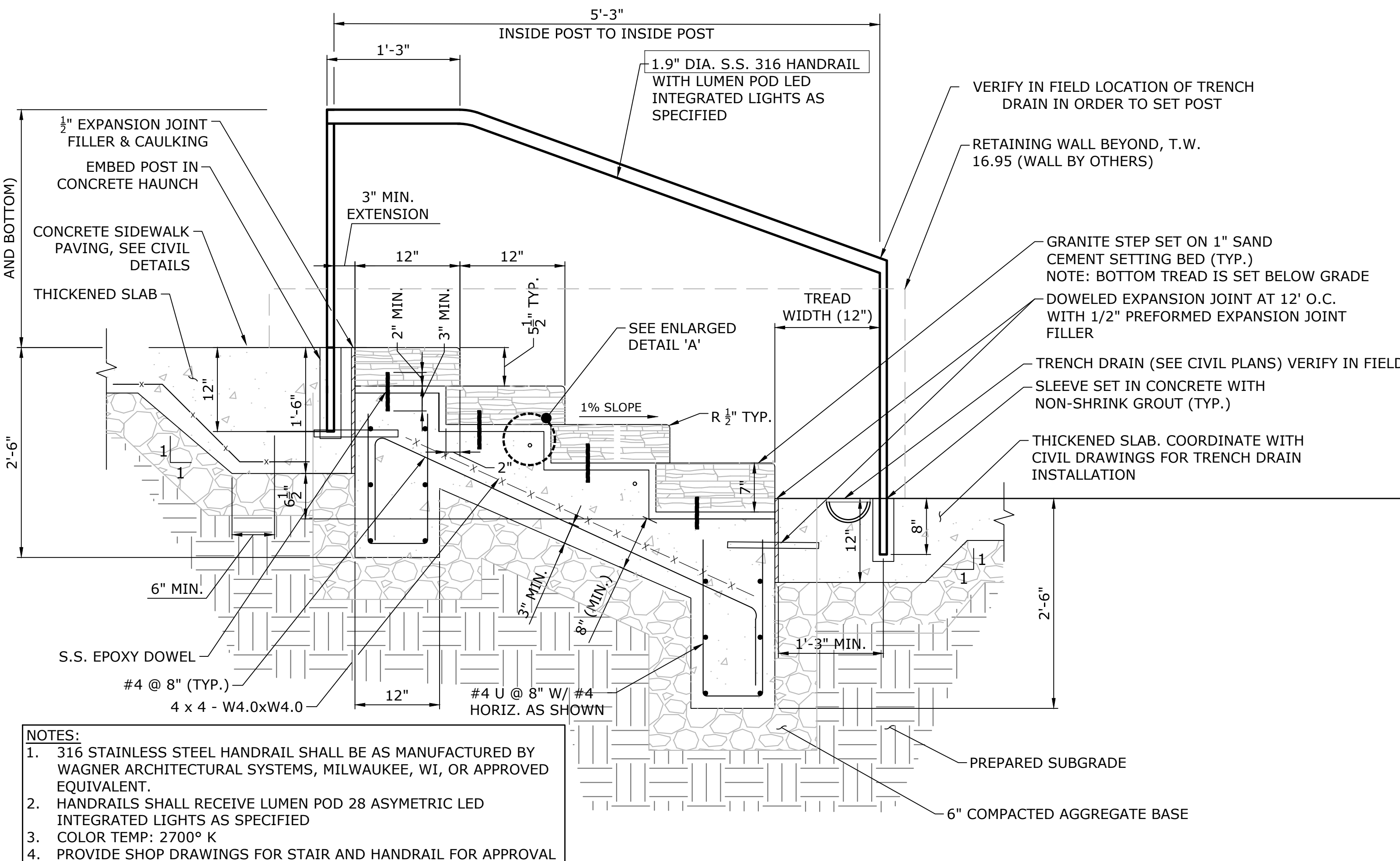
TYPICAL MODULAR BLOCK WALL SECTION

SCALE: 3/4"=1'-0"



SITE SIGN ON STONE WALL (VIEW SOUTH)

NOT TO SCALE



NOTES:

1. 316 STAINLESS STEEL HANDRAIL SHALL BE AS MANUFACTURED BY WAGNER ARCHITECTURAL SYSTEMS, MILWAUKEE, WI, OR APPROVED EQUIVALENT.
2. HANDRAILS SHALL RECEIVE LUMEN POD 28 ASYMETRIC LED INTEGRATED LIGHTS AS SPECIFIED
3. COLOR TEMP: 2700° K
4. PROVIDE SHOP DRAWINGS FOR STAIR AND HANDRAIL FOR APPROVAL

CONCRETE STAIR WITH HANDRAIL AND GRANITE TREAD

SCALE 1" = 1'-0"

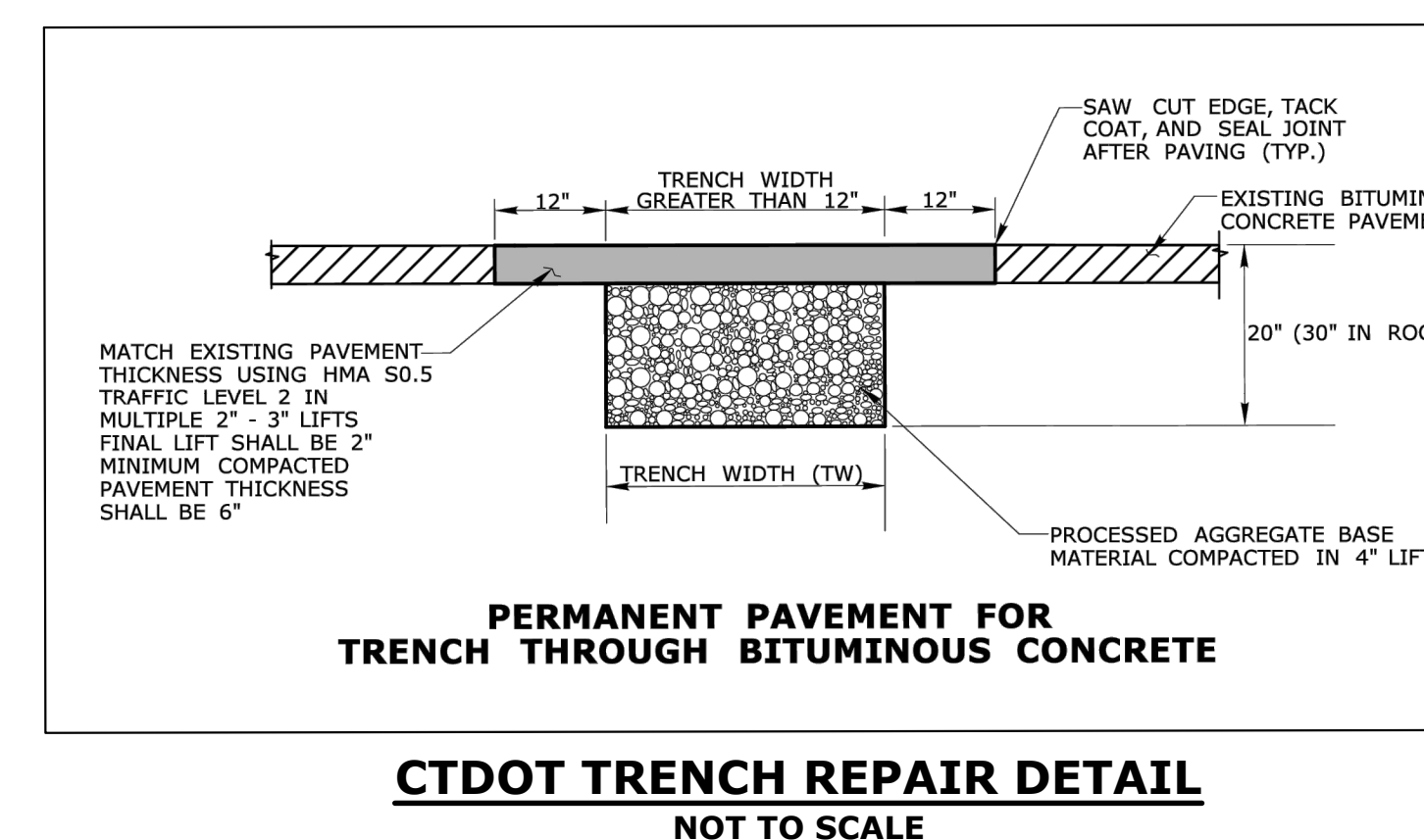
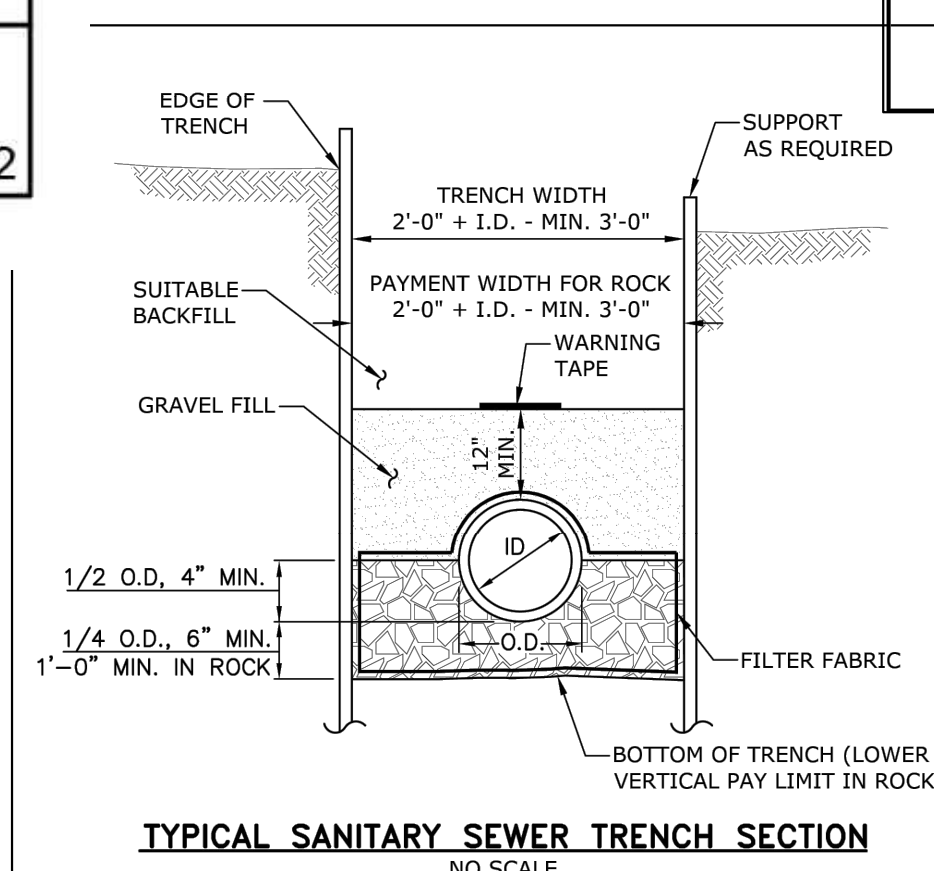
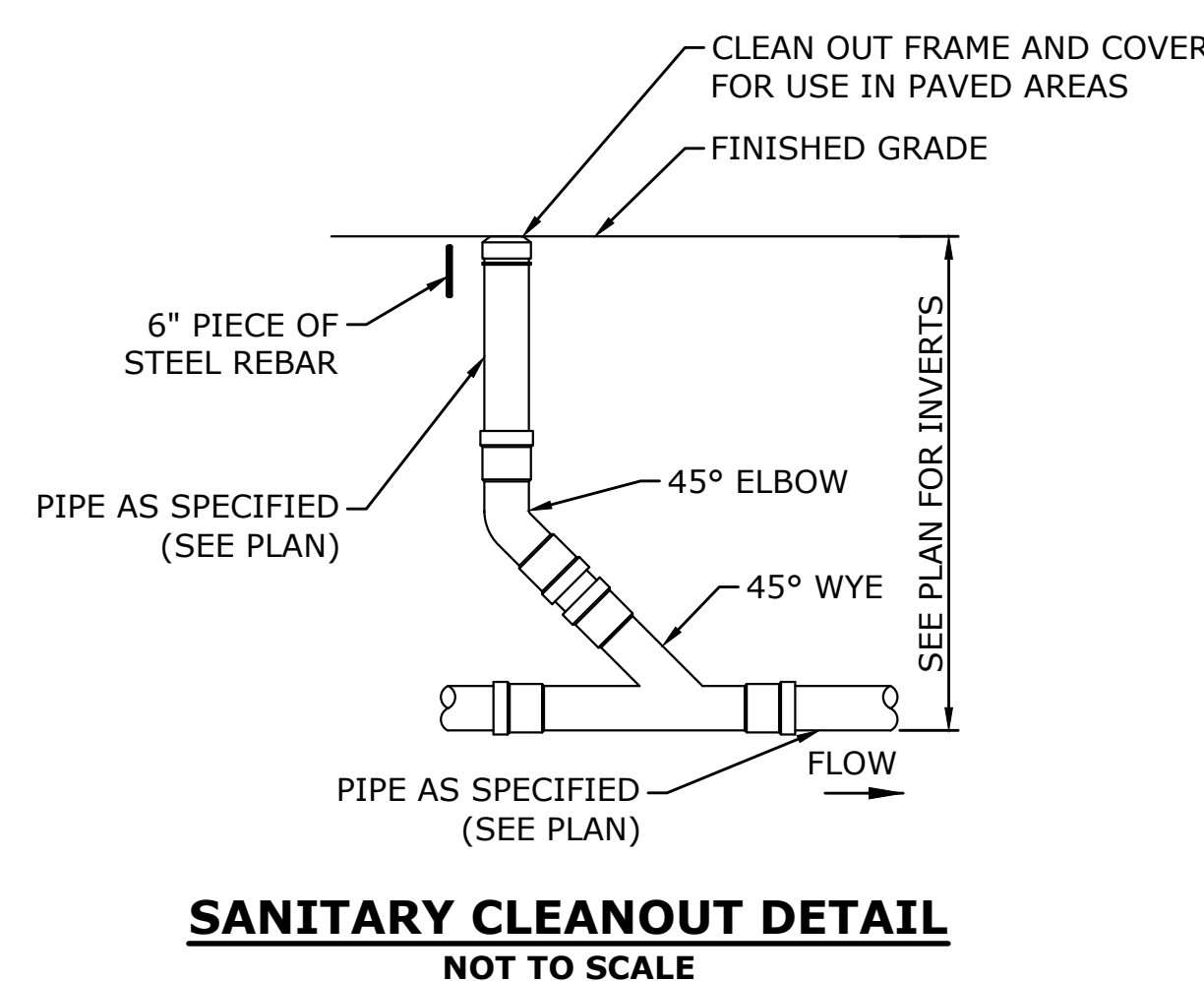
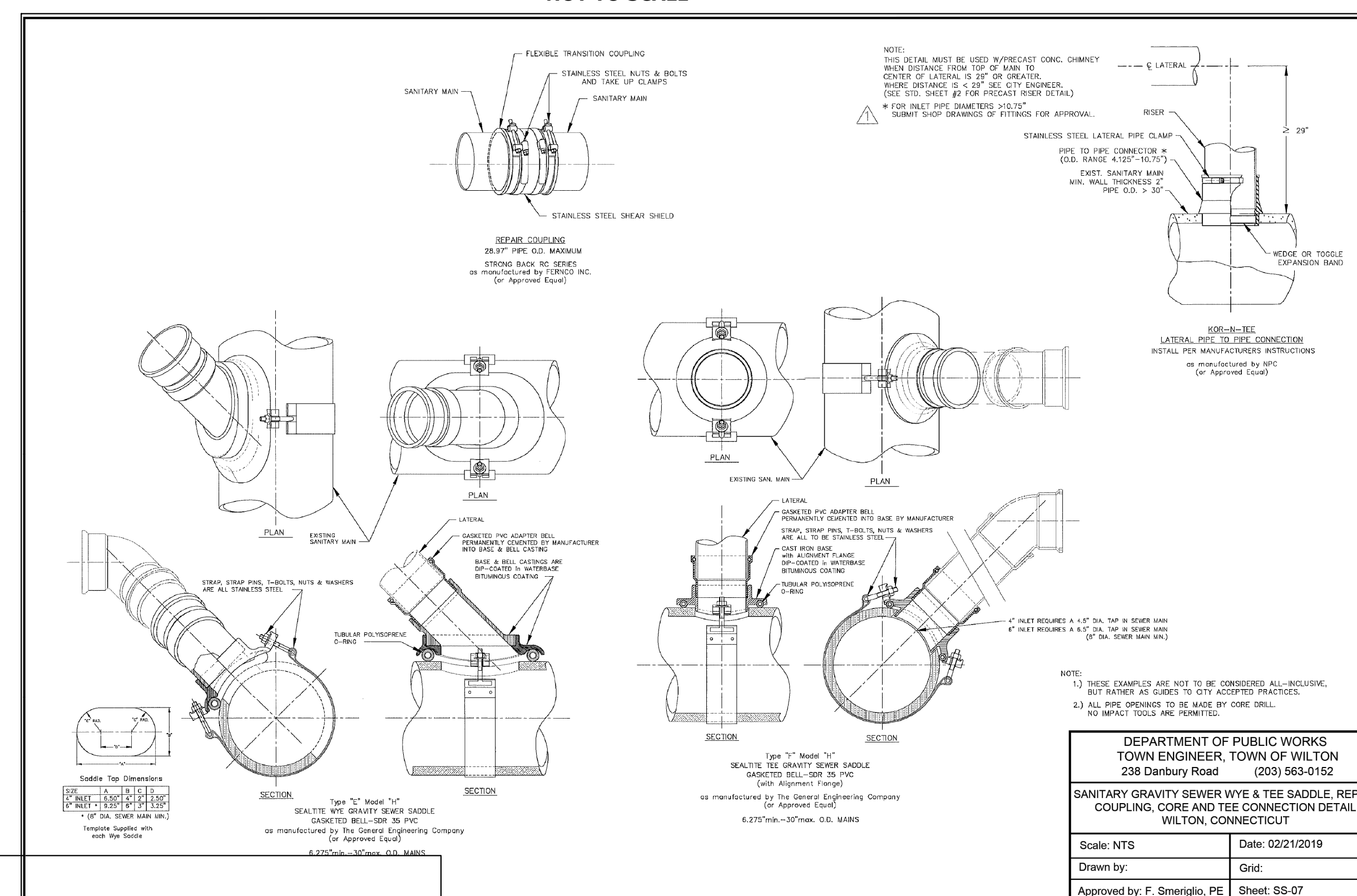
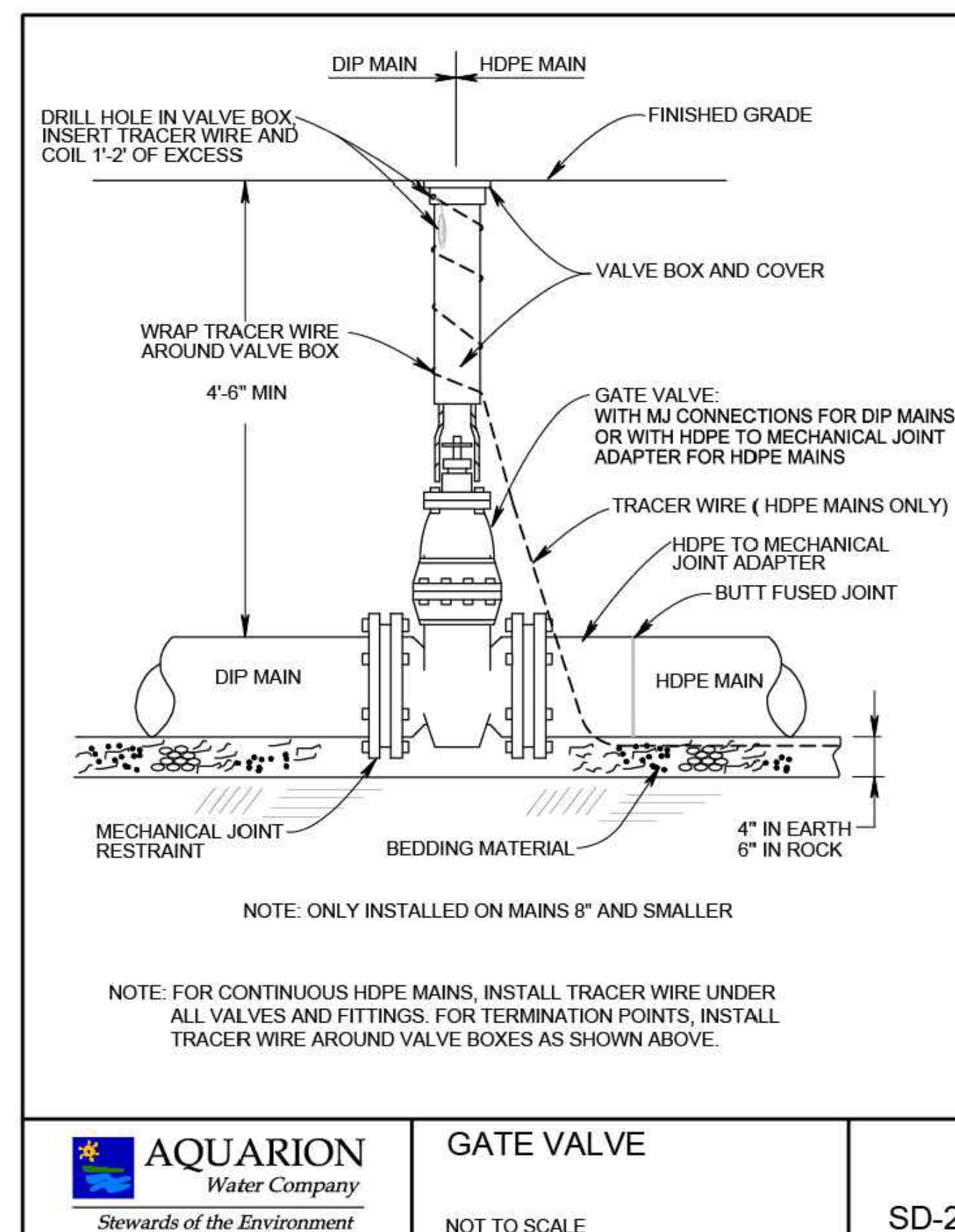
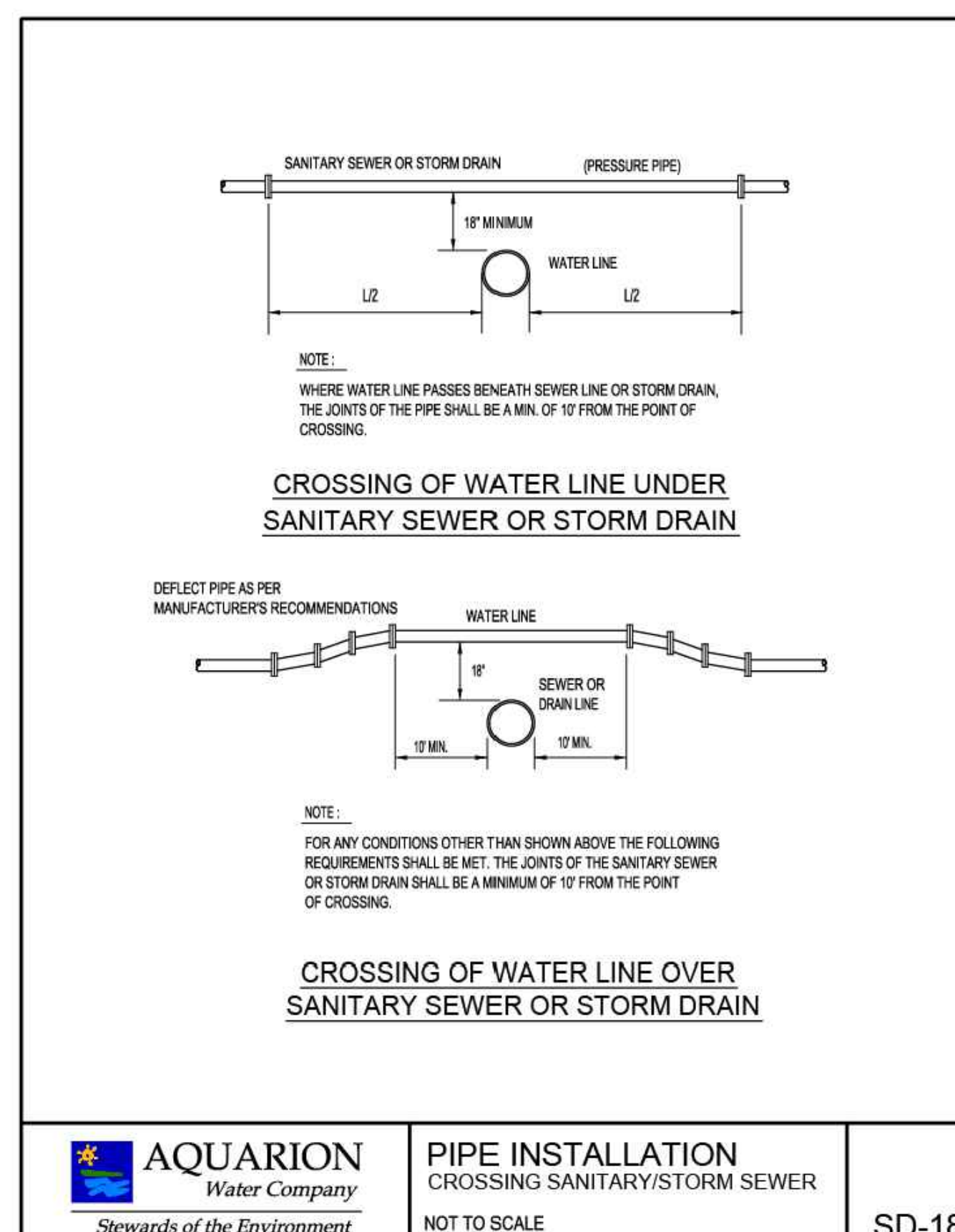
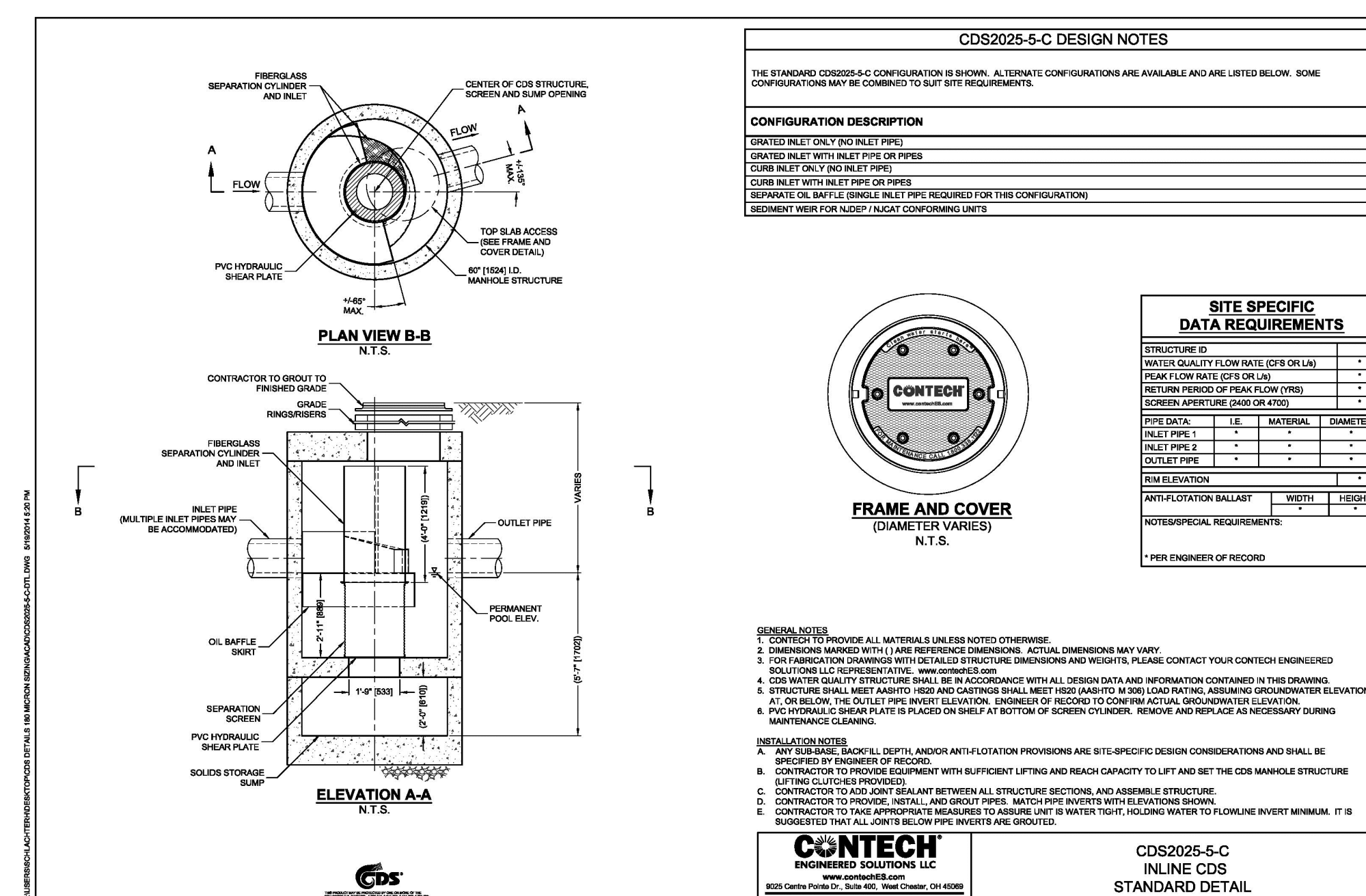
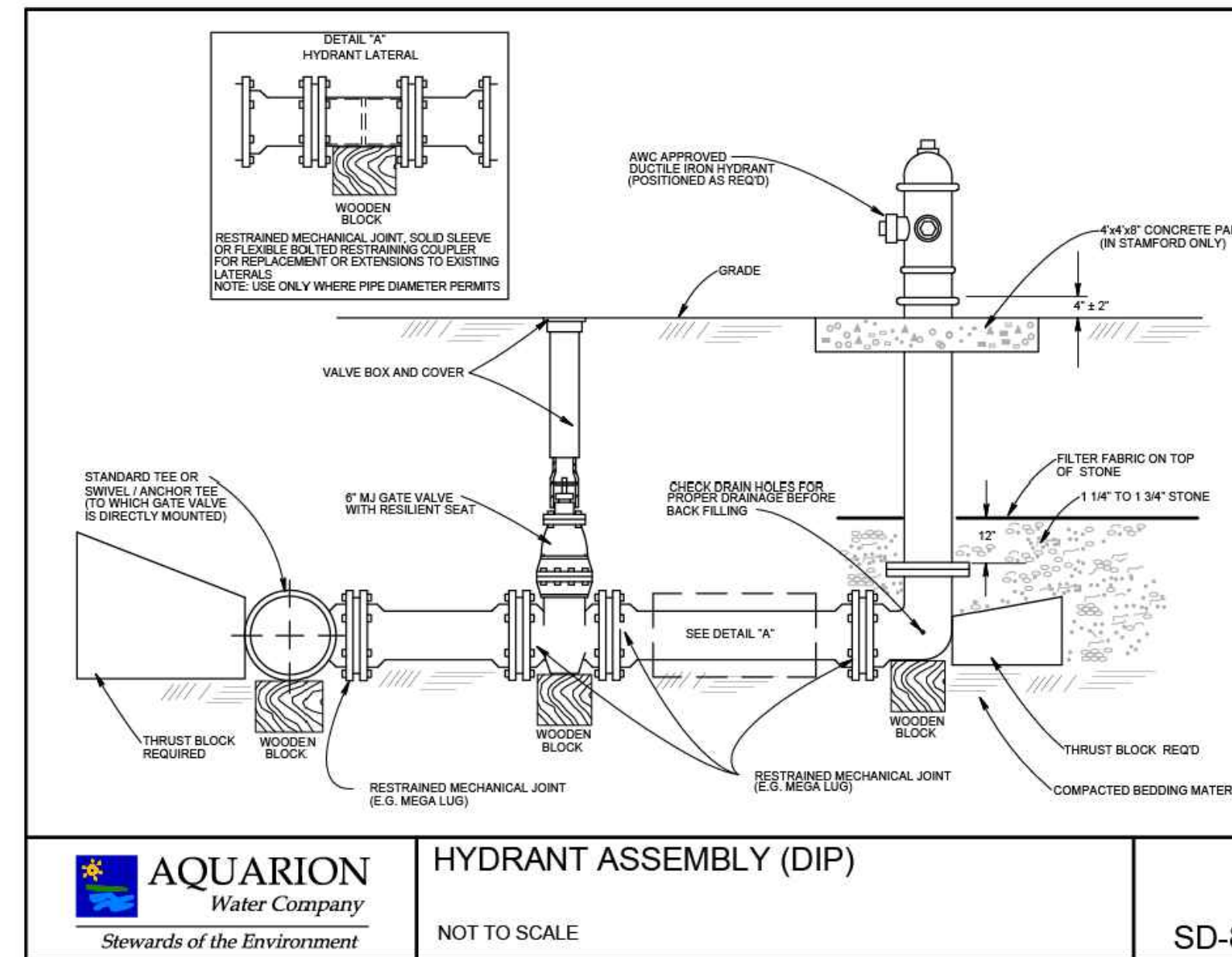
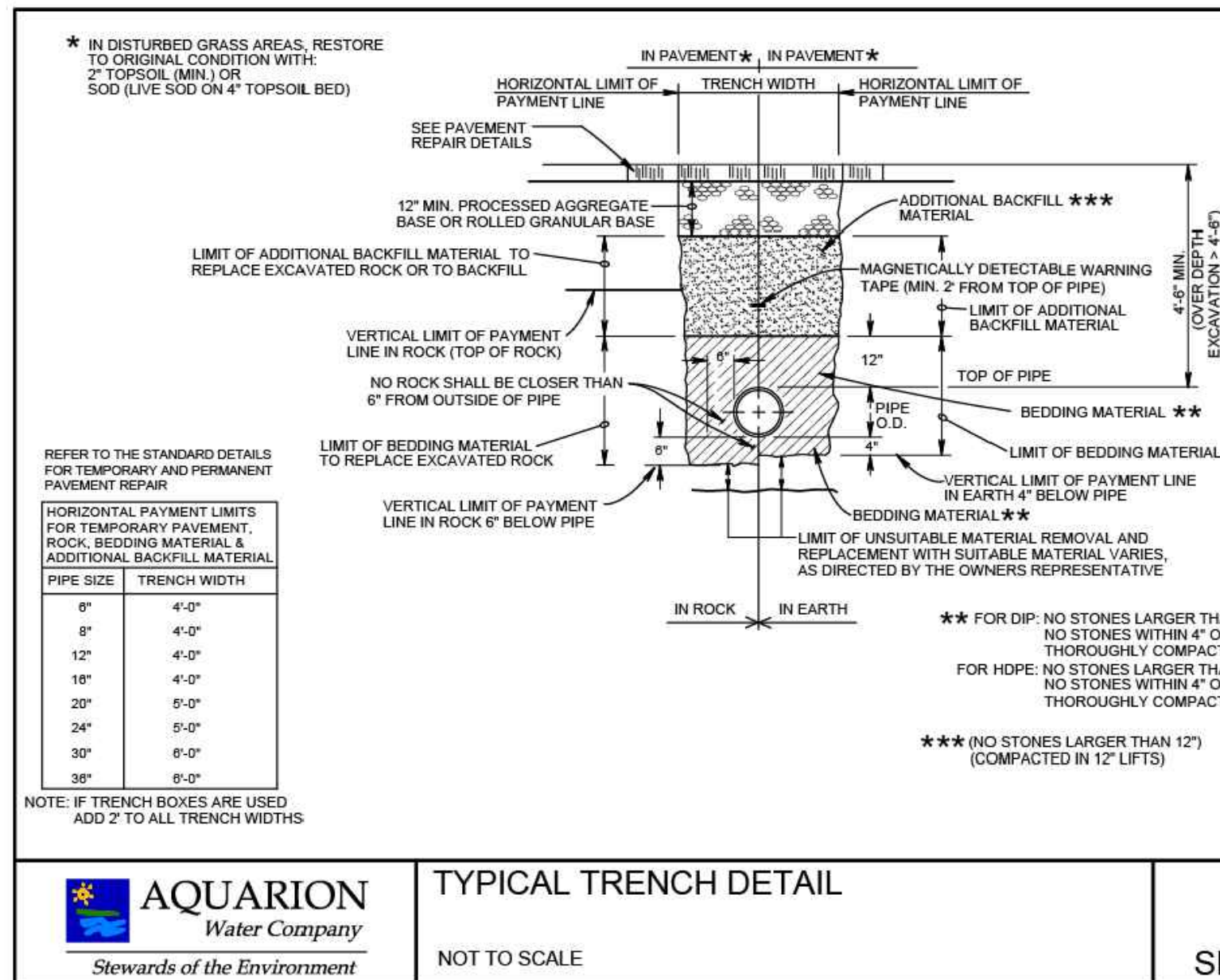


59 REATY DRIVE
SUITE 100
283.271.1773
SLRCONSULTING.COM

DESCRIPTION DATE BY

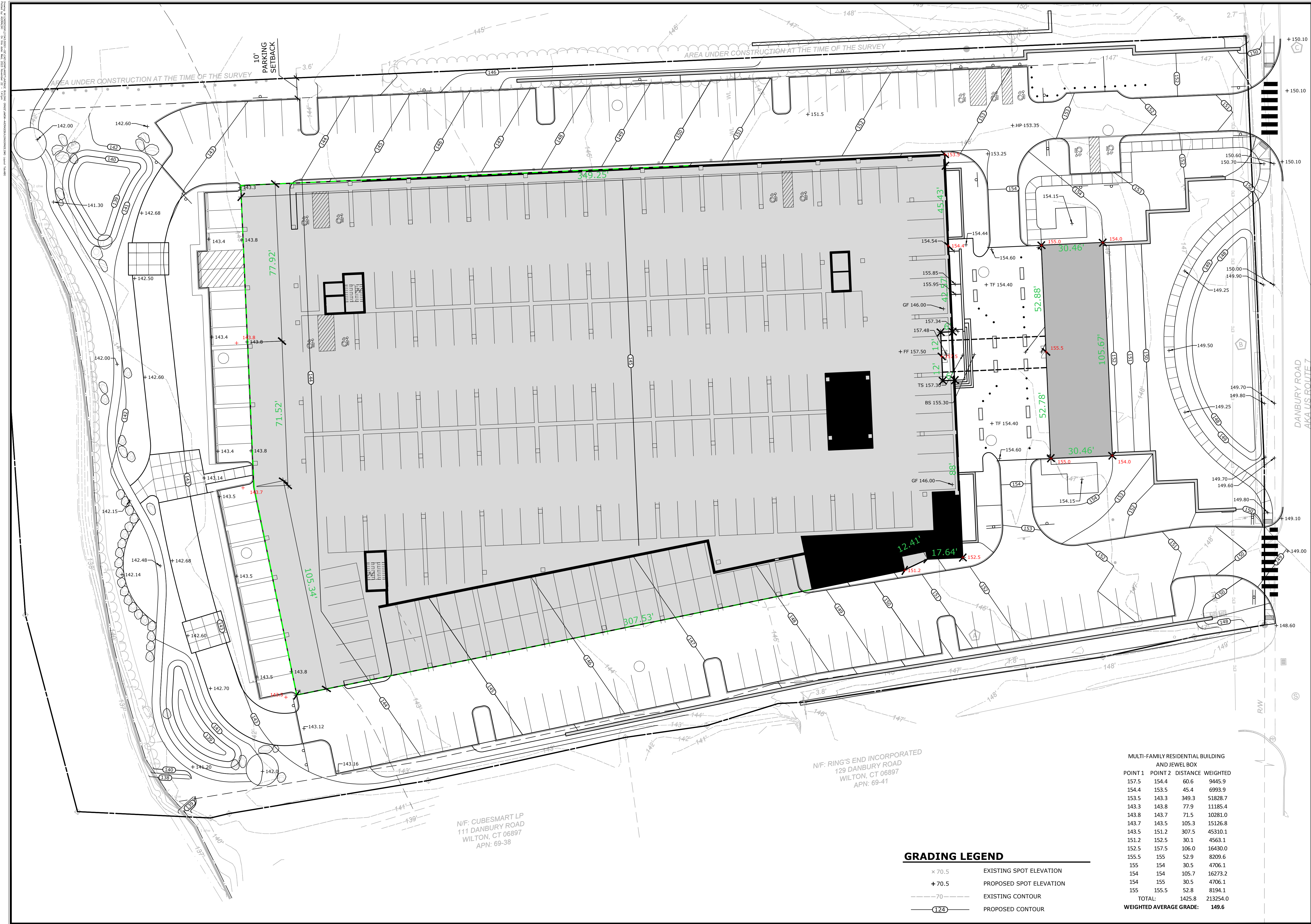
SITE DETAILS
PROPOSED MULTI-FAMILY DEVELOPMENT
131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED
AS NOTED		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
13 OF 21		
SHEET NO.		
SD-3		
SHEET NAME		

[illegible]

131 DANBURY ROAD
MILTON, CONNECTICUT

AWG	AWG	TI
DESIGNED	DRAWN	CHECKED
AS NOTED		
SCALE		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
15 OF 21		
SHEET NO.		
SD-5		
SHEET NAME		



N/F: CUBESMART LP
111 DANBURY ROAD
WILTON, CT 06897
APN: 69-38

N/F: RING'S END INCORPORATED
129 DANBURY ROAD
WILTON, CT 06897
APN: 69-41

GRADING LEGEND

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

MULTI-FAMILY RESIDENTIAL BUILDING AND JEWEL BOX				
POINT 1	POINT 2	DISTANCE	WEIGHTED	
157.5	154.4	60.6	9445.9	
154.4	153.5	45.4	6993.9	
153.5	143.3	349.3	51828.7	
143.3	143.8	77.9	11185.4	
143.8	143.7	71.5	10281.0	
143.7	143.5	105.3	15126.8	
143.5	151.2	307.5	45310.1	
151.2	152.5	30.1	4563.1	
152.5	157.5	106.0	16430.0	
155.5	155	52.9	8209.6	
155	154	30.5	4706.1	
154	154	105.7	16273.2	
154	155	30.5	4706.1	
155	155.5	52.8	8194.1	
TOTAL:		1425.8	213254.0	
WEIGHTED AVERAGE GRADE:			149.6	

SLR

99 REALTY DRIVE
SUITE 200
280.271.1773
SLRCONSULTING.COM

COMBINED AVERAGE BUILDING GRADE

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG
DESIGNED

AWG
DRAWN

TD
CHECKED

SCALE
1"=20'

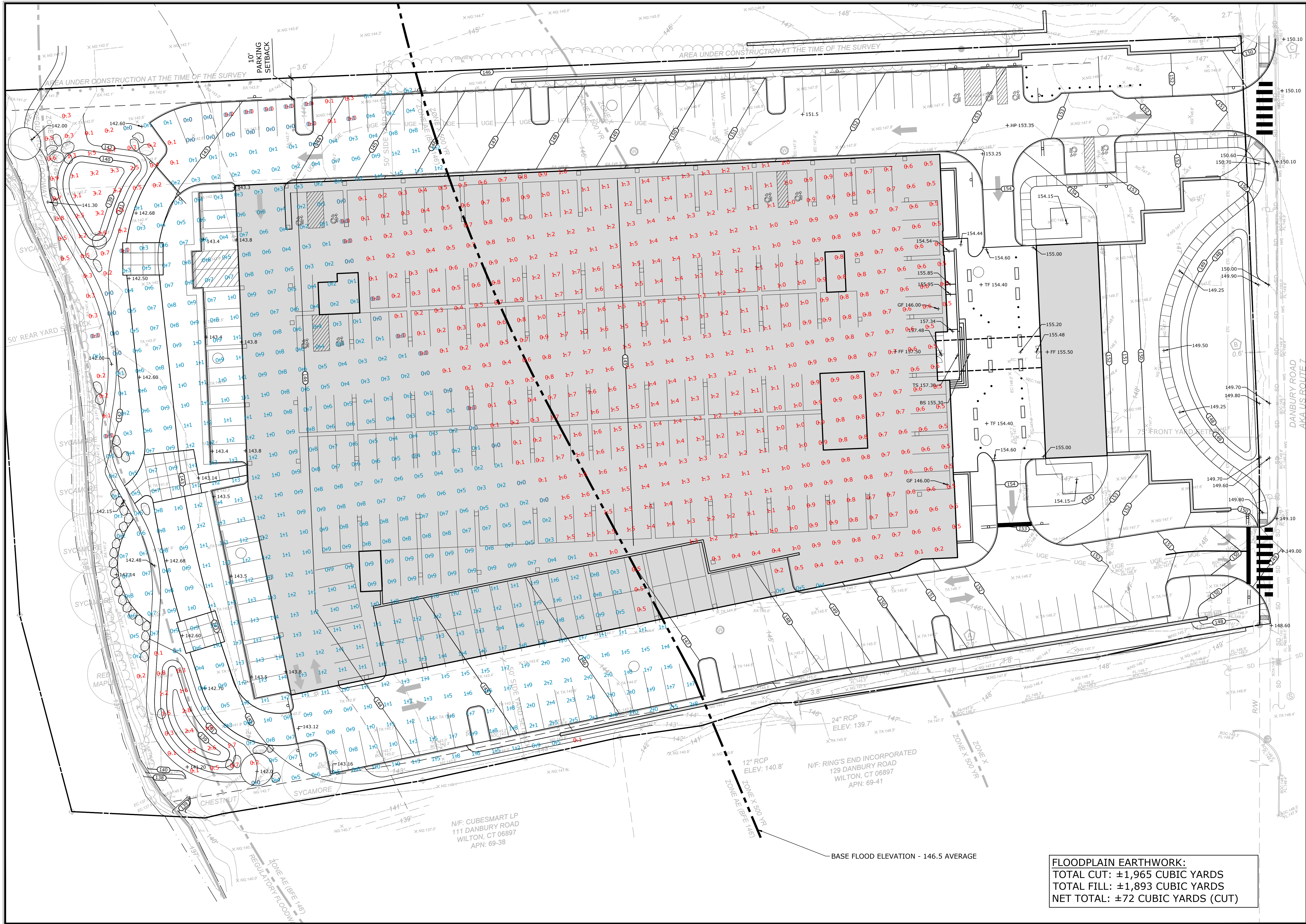
DATE
OCTOBER 23, 2023

PROJECT NO.
21543.00001

SHEET NO.
03 OF 21

ABG

SHEET NAME



99 REALTY DRIVE
280.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PAZ SUBMISSION	11/27/2023	AWG

FLOODPLAIN EARTHWORK

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED

1"=20'

OCTOBER 23, 2023

DATE

21543.00001

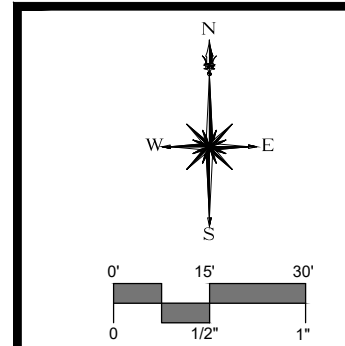
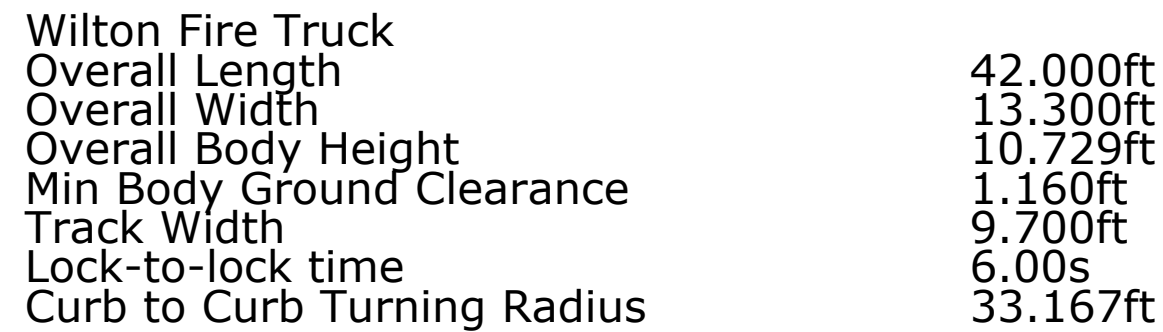
PROJECT NO.

03 OF 21

SHEET NO.

FP

SHEET NAME



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

VEHICLE TURNING MOVEMENT - FIRE TRUCK

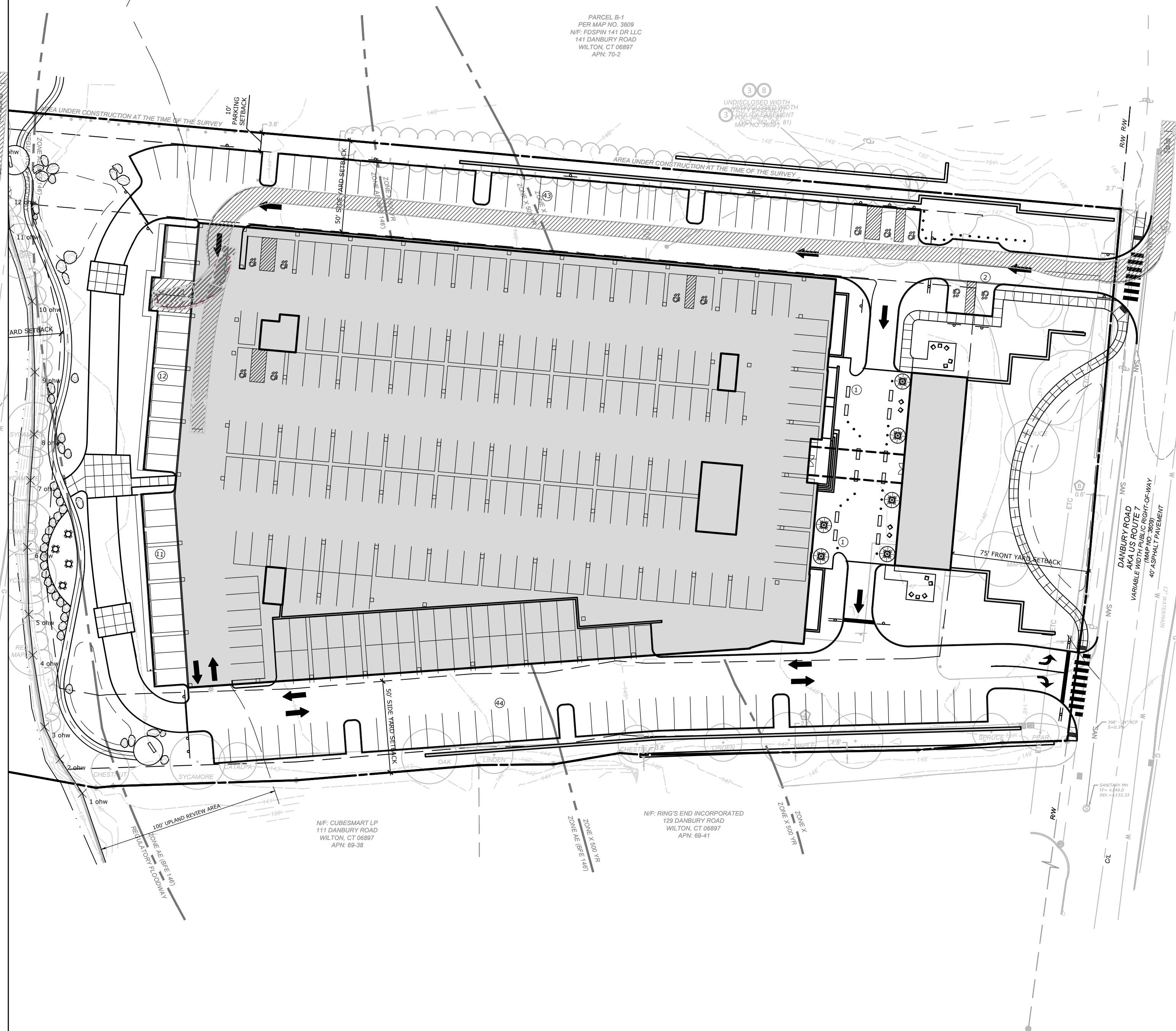
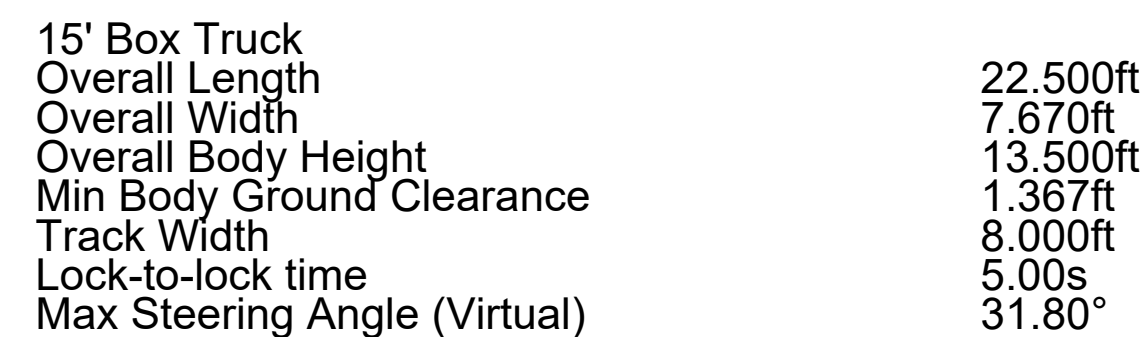
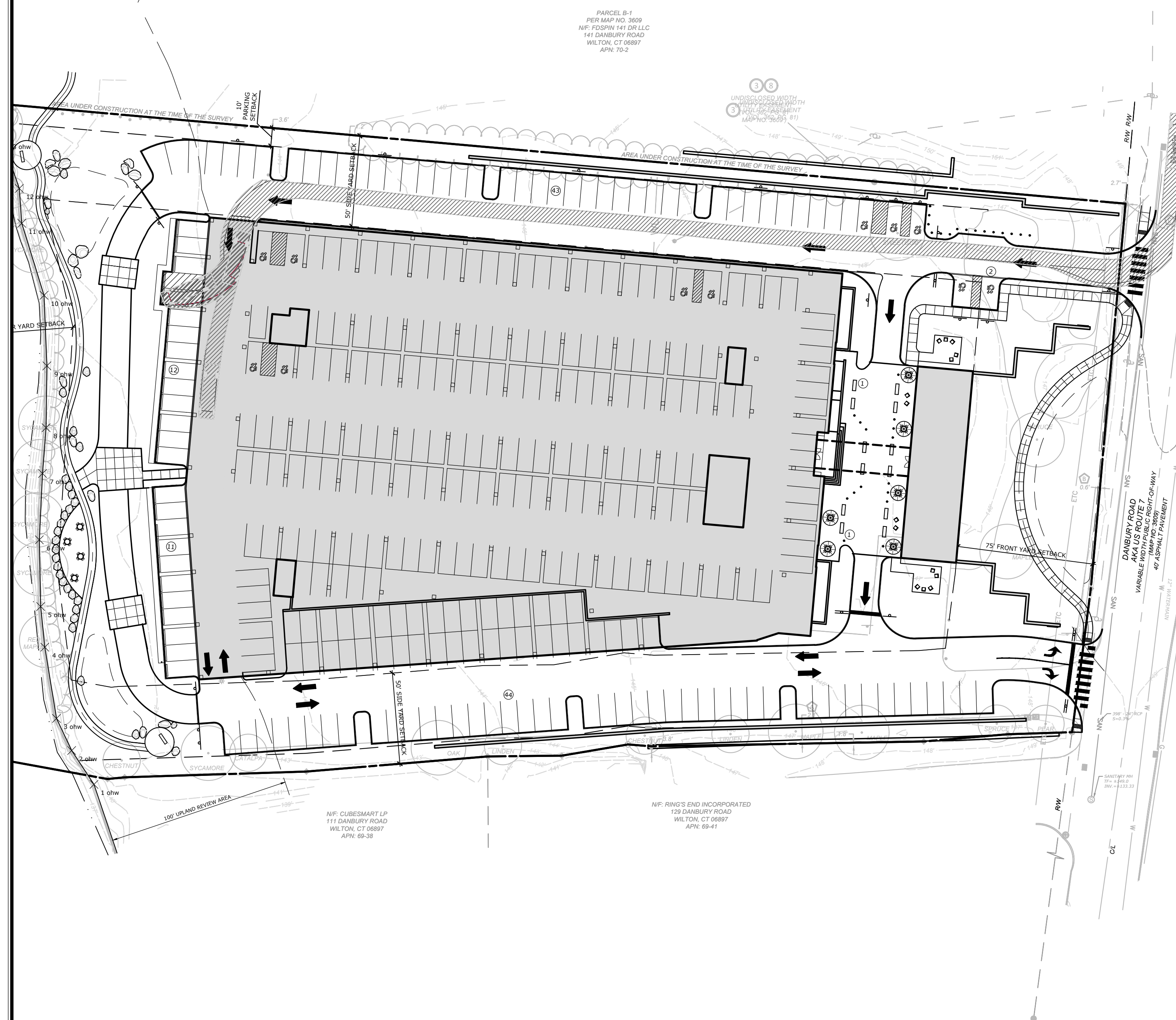
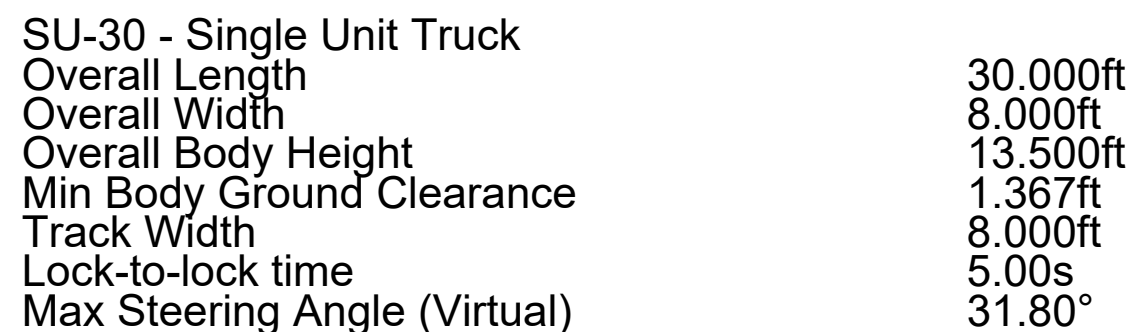
PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG DESIGNED	RH DRAWN	TI CHECKED
1"=30' SCALE		
OCTOBER 23, 2023 DATE		
21543.00001 PROJECT NO.		
19 OF 21 SHEET NO.		

VH

SHEET NAME



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

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

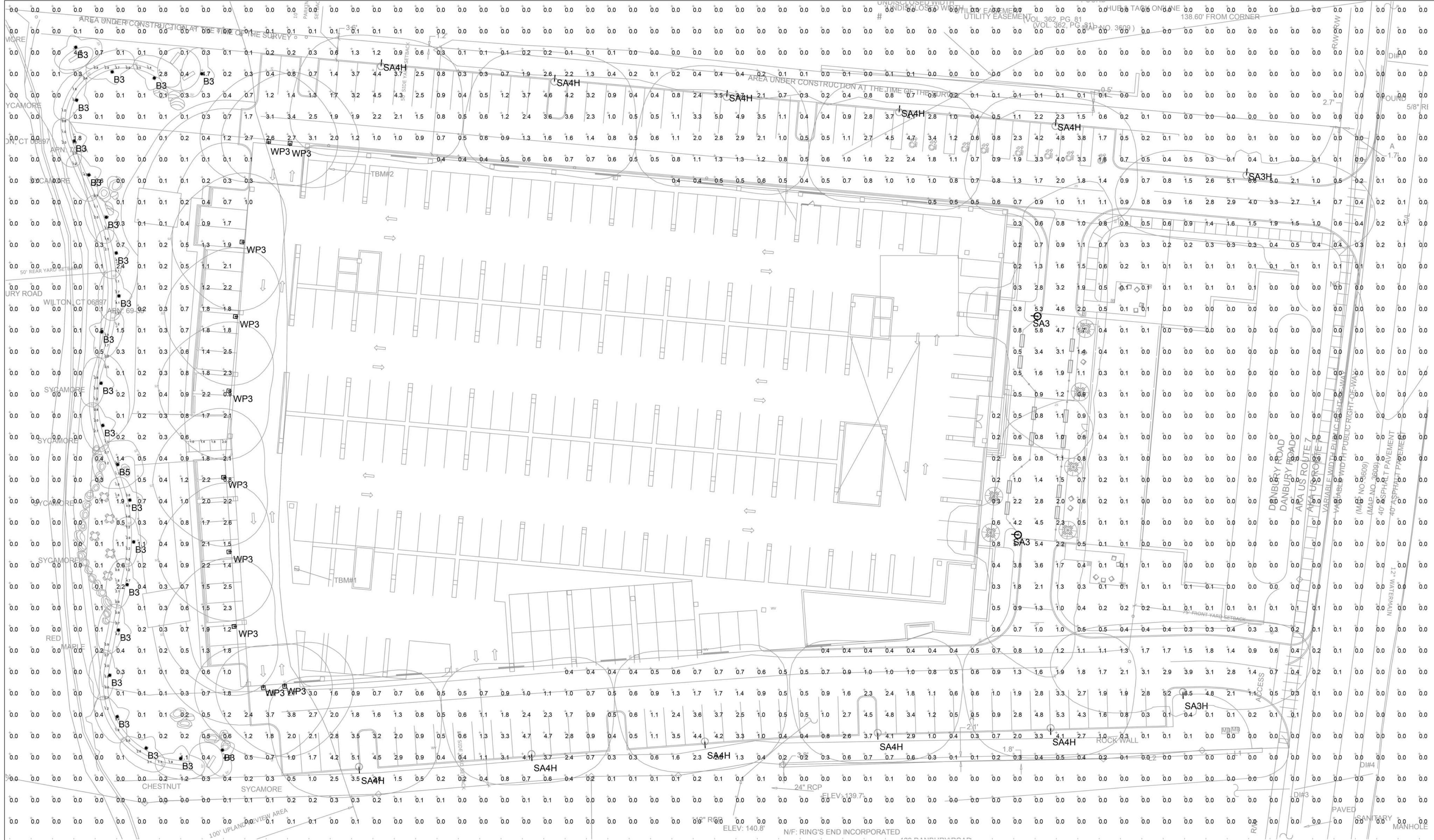
PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG DESIGNED	RH DRAWN	TD CHECKED
1"=40'		
SCALE		
OCTOBER 23, 2023		
DATE		
21543.00001		
PROJECT NO.		
19 OF 21		
SHEET NO.		

VH-2

SHEET NAME



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



POLE LIGHT - FIXTURE



POLE LIGHT - POLE

18"



BOLLARD



UPLIGHT



BUILDING SCNCE

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	[MANUFAC]	Filename
⊕	22	B3	Single	492	6.1	0.748	PBL-42-14L-100-WW-G2-3-UNV-BK	PHILIPS GARDCO	PBL-14L-100-NW-G2-3-UNV.ies
⊕	1	B5	Single	538	6.1	0.748	PBL-42-14L-100-WW-G2-5-UNV-BK	PHILIPS GARDCO	PBL-14L-100-NW-G2-5-UNV.ies
⊖	2	SA3	Single	9120	73	0.850	HER-48-3-500-T3-VOLT-LT-BLK / DS210-590A200-18-TBD-SUBLIMATION-DT-AB	RAGNI	EV02-ASY10-48L(2x8)G4-3000K500mA.IES
⊖	2	SA3H	Single	8084	73.1	0.850	HER-48-3-500-T3-VOLT-LT-BLK-HS / DS210-590A200-18-TBD-SUBLIMATION-DT-AB	RAGNI	EV02-C13301-C17677BLK-48LED-3000K-500 mA.IES
⊖	10	SA4H	Single	7359	73.1	0.850	HER-48-3-500-T4-VOLT-LT-BLK-HS / DS210-590A200-18-TBD-SUBLIMATION-DT-AB	RAGNI	EV02-C13805-C17677BLK-48LED-3000K-500 mA.IES
⊕	86	TL	Single	669	10	0.850	BL9-10W-A-S7	PHILIPS HADCO	BL9_10W_WW_med.ies
⊞	10	WP3	Single	3254	30	0.850	PWS-196L-650-WW-G3-3-UNV / Wall Mounted 12R	GARDCO	PWS-196L-650-WW-G2-3-UNV.ies

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	
Parking Lot	Illuminance	Fc	1.70	5.4	0.4	4.25	13.50	10ft Grid	
Site	Illuminance	Fc	0.23	6.6	0.0	N.A.	N.A.	10ft Grid	
Walkway	Illuminance	Fc	2.08	5.8	0.4	5.20	14.50	5ft Grid	

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 tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as lighting and equipment 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 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 comparisons of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.

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

PROJECT TITLE:
AMS WILTON
131 DANBURY RD
WILTON, CT
DRAWING TITLE:
SITE LIGHTING
PHOTOMETRIC CALCULATION

SCALE: 1"=20'-0"
DATE: 11/2/23
DRAWN BY: LED/PD
SHEET:

SL-IB