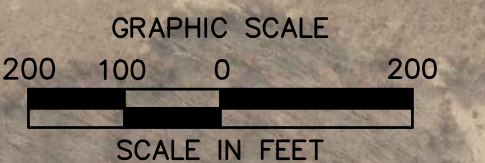


Project Location



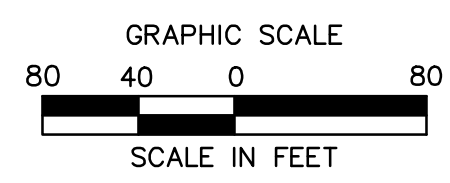
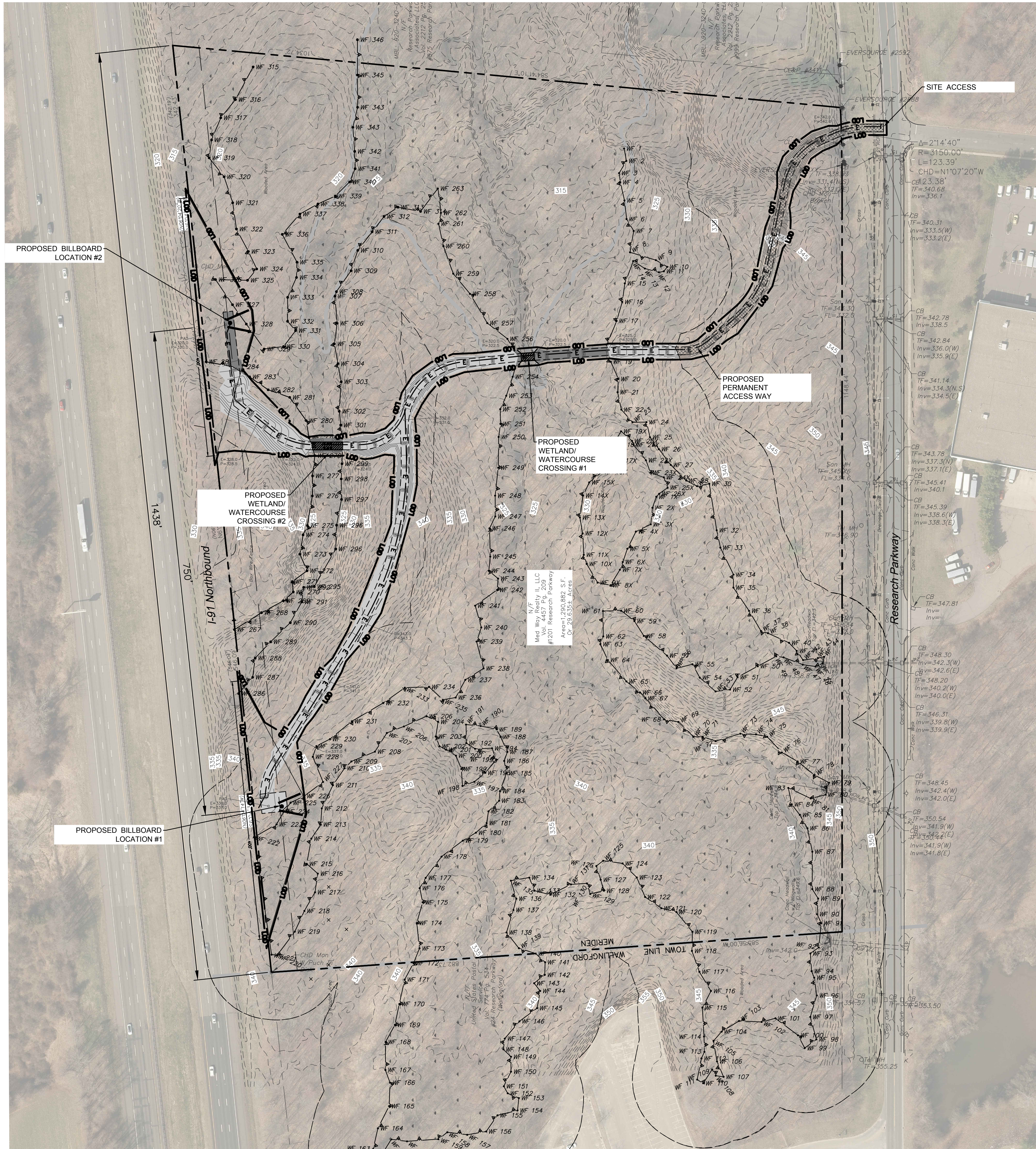
Proposed Billboards 701 & 1201 Research Parkway, Meriden, CT February 3, 2021



2/3/2021 JSC/KA G:\06820112\0012\F0012\0012\DWG\PRJ_1_24208_2008C
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ZONING INFORMATION

LOCATION: MERIDEN, CONNECTICUT				
ZONE: BILLBOARD OVERLAY DISTRICT (M-4: PLANNED INDUSTRIAL DISTRICT)				
USE: BILLBOARD (PERMITTED USE)				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	MAXIMUM HEIGHT	35 FEET (THE VERTICAL DISTANCE FROM THE GRADE OF THE CLOSEST LANE OF THE LIMITED ACCESS HIGHWAY TO THE TOP OF THE HIGHEST COMPONENT OF THE BILLBOARD.)	35 FEET	NO
2	MAXIMUM SIGN AREA	672 FEET	672 FEET	NO
3	MINIMUM CLEARANCE	9 FEET (BILLBOARDS SHALL HAVE A MINIMUM CLEARANCE OF NINE FEET BETWEEN THE LOWEST COMPONENT OF THE BILLBOARD AND THE LAND GRADE.)	9 FEET	NO
4	MINIMUM FRONTAGE	75 FEET (75 FEET OF FRONTAGE ON THE LIMITED ACCESS HIGHWAY TO WHICH THE BILLBOARD IS ORIENTED.)	>75 FEET	NO
5	ORIENTATION	ALL BILLBOARDS CONSISTING OF BACK-TO-BACK OR PARALLEL DESIGN SHALL BE NO GREATER THAN EIGHT FEET APART. ALL BILLBOARDS SHALL BE ORIENTED WITH FACES AT AN ANGLE NO GREATER THAN 35° PERPENDICULAR TO THE LIMITED ACCESS HIGHWAY. ALL SUCH SIGNS MUST BE ORIENTED TO A LIMITED ACCESS HIGHWAY AND NOT TO FACE A RESIDENTIAL ZONING DISTRICT.	COMPLIES	NO
6	SPACING	CONVENTIONAL BILLBOARDS = 750 FT DIGITAL BILLBOARDS = 1,500 FT	750 FEET	NO
7	REAR YARD SETBACK	40 FEET	40 FEET	NO



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

PROPOSED BILLBOARDS 1201 RESEARCH PARKWAY MERIDEN, CONNECTICUT

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

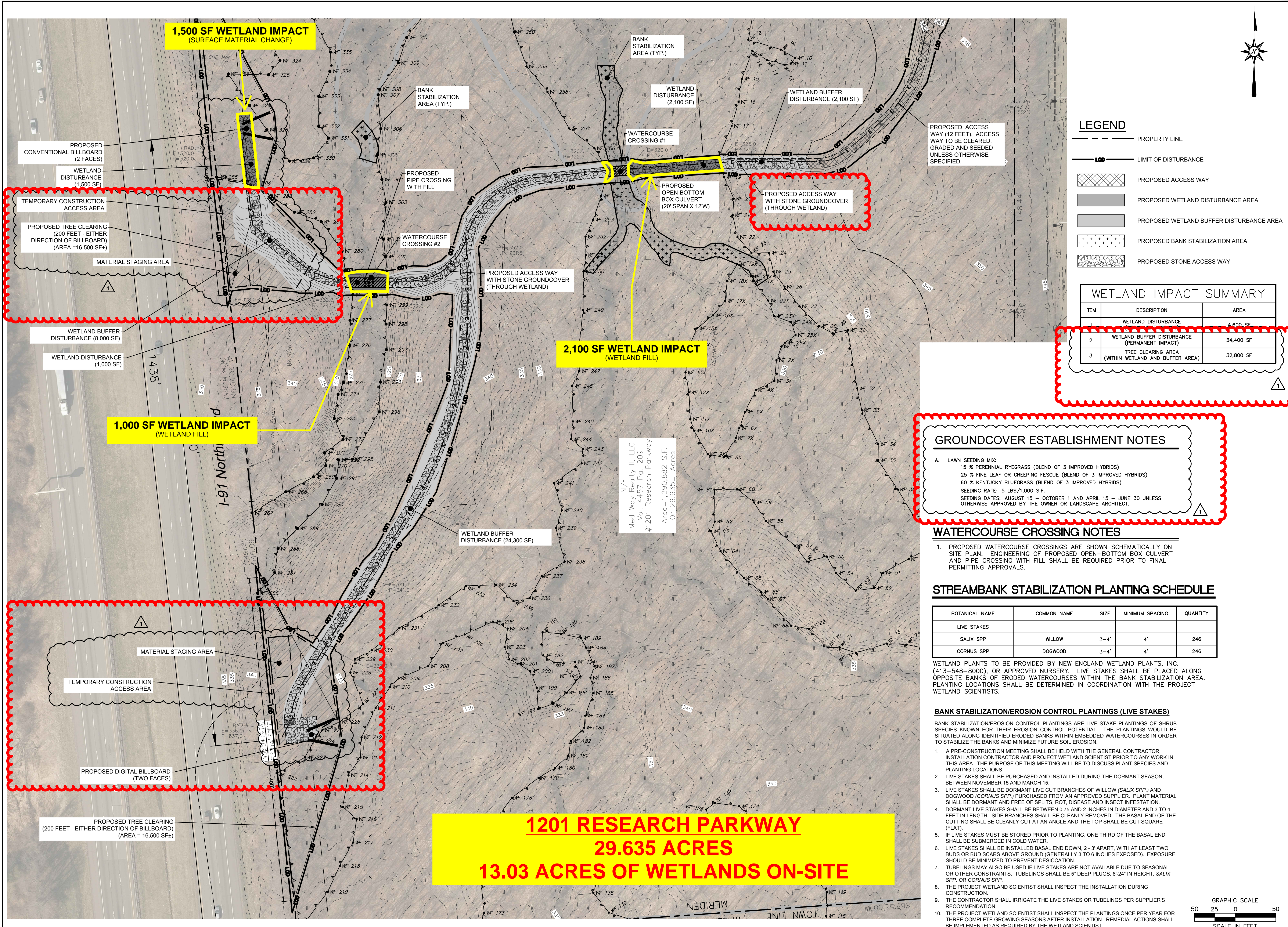
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	1	02/23/2021	REVISED PER CITY COMMENTS

Designed	W.E.V.
Drawn	W.E.V.
Reviewed	
Scale	1"=80'
Project No.	2001274
Date	01/04/2021
CAD File:	SP200127411

OVERALL SITE PLAN

Sheet No.

SP-0



LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- PROPOSED ACCESS WAY
- PROPOSED WETLAND DISTURBANCE AREA
- PROPOSED WETLAND BUFFER DISTURBANCE AREA
- PROPOSED BANK STABILIZATION AREA
- PROPOSED STONE ACCESS WAY

WETLAND IMPACT SUMMARY

ITEM	DESCRIPTION	AREA
1	WETLAND DISTURBANCE	4,600 SF
2	WETLAND BUFFER DISTURBANCE (PERMANENT IMPACT)	34,400 SF
3	TREE CLEARING AREA (WITHIN WETLAND AND BUFFER AREA)	32,800 SF

GROUNDCOVER ESTABLISHMENT NOTES

- A. LAWN SEEDING MIX:
 15 % PERENNIAL RYEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 25 % FINE LEAF OR CREEPING FESCUE (BLEND OF 3 IMPROVED HYBRIDS)
 60 % KENTUCKY BLUEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 SEEDING RATE: 5 LBS/1,000 S.F.
 SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

WATERCOURSE CROSSING NOTES

- PROPOSED WATERCOURSE CROSSINGS ARE SHOWN SCHEMATICALLY ON SITE PLAN. ENGINEERING OF PROPOSED OPEN-BOTTOM BOX CULVERT AND PIPE CROSSING WITH FILL SHALL BE REQUIRED PRIOR TO FINAL PERMITTING APPROVALS.

STREAMBANK STABILIZATION PLANTING SCHEDULE

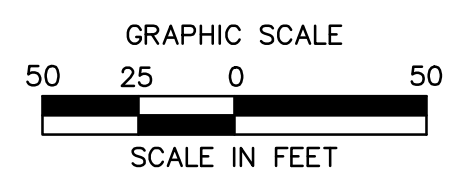
BOTANICAL NAME	COMMON NAME	SIZE	MINIMUM SPACING	QUANTITY
LIVE STAKES				
SALIX SPP	WILLOW	3-4'	4'	246
CORNUS SPP	DOGWOOD	3-4'	4'	246

WETLAND PLANTS TO BE PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. (413-548-8000), OR APPROVED NURSERY. LIVE STAKES SHALL BE PLACED ALONG OPPOSITE BANKS OF ERODED WATERCOURSES WITHIN THE BANK STABILIZATION AREA. PLANTING LOCATIONS SHALL BE DETERMINED IN COORDINATION WITH THE PROJECT WETLAND SCIENTISTS.

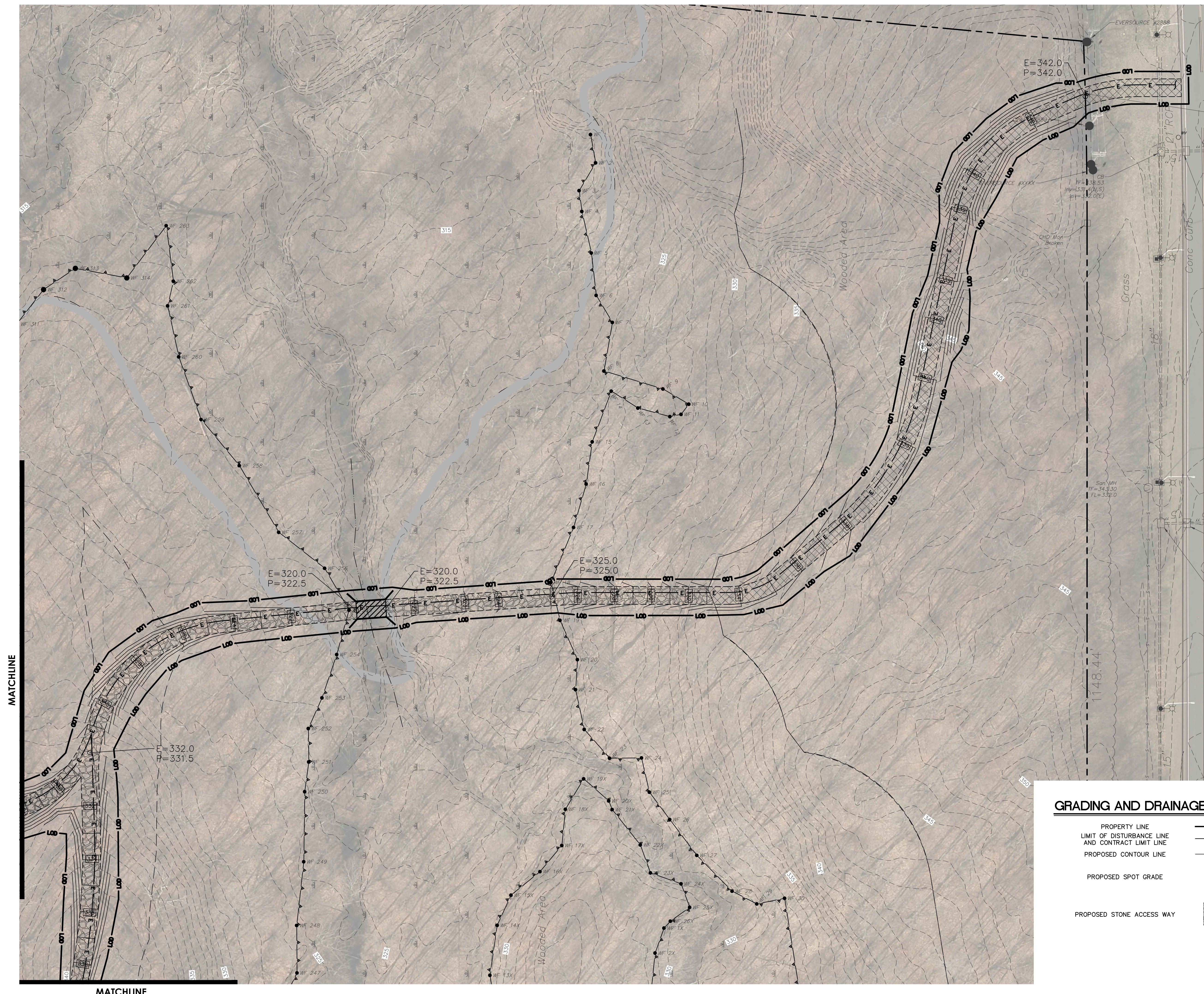
BANK STABILIZATION/EROSION CONTROL PLANTINGS (LIVE STAKES)

BANK STABILIZATION/EROSION CONTROL PLANTINGS ARE LIVE STAKE PLANTINGS OF SHRUB SPECIES KNOWN FOR THEIR EROSION CONTROL POTENTIAL. THE PLANTINGS WOULD BE SITUATED ALONG IDENTIFIED ERODED BANKS WITHIN EMBEDDED WATERCOURSES IN ORDER TO STABILIZE THE BANKS AND MINIMIZE FUTURE SOIL EROSION.

- A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE GENERAL CONTRACTOR, INSTALLATION CONTRACTOR AND PROJECT WETLAND SCIENTIST PRIOR TO ANY WORK IN THIS AREA. THE PURPOSE OF THIS MEETING WILL BE TO DISCUSS PLANT SPECIES AND PLANTING LOCATIONS.
- LIVE STAKES SHALL BE PURCHASED AND INSTALLED DURING THE DORMANT SEASON, BETWEEN NOVEMBER 15 AND MARCH 15.
- LIVE STAKES SHALL BE DORMANT LIVE CUT BRANCHES OF WILLOW (SALIX SPP) AND DOGWOOD (CORNUS SPP) PURCHASED FROM AN APPROVED SUPPLIER. PLANT MATERIAL SHALL BE DORMANT AND FREE OF SPLITS, ROT, DISEASE AND INSECT INFESTATION.
- DORMANT LIVE STAKES SHALL BE BETWEEN 0.75 AND 2 INCHES IN DIAMETER AND 3 TO 4 FEET IN LENGTH. SIDE BRANCHES SHALL BE CLEANLY REMOVED. THE BASAL END OF THE CUTTING SHALL BE CLEANLY CUT AT AN ANGLE AND THE TOP SHALL BE CUT SQUARE (FLAT).
- IF LIVE STAKES MUST BE STORED PRIOR TO PLANTING, ONE THIRD OF THE BASAL END SHALL BE SUBMERGED IN COLD WATER.
- LIVE STAKES SHALL BE INSTALLED BASAL END DOWN, 2-3' APART, WITH AT LEAST TWO BUDS OR BUD SCARS ABOVE GROUND (GENERALLY 3 TO 6 INCHES EXPOSED). EXPOSURE SHOULD BE MINIMIZED TO PREVENT DESICCATION.
- TUBELINGS MAY ALSO BE USED IF LIVE STAKES ARE NOT AVAILABLE DUE TO SEASONAL OR OTHER CONSTRAINTS. TUBELINGS SHALL BE 5" DEEP PLUGS, 8-24" IN HEIGHT, SALIX SPP OR CORNUS SPP.
- THE PROJECT WETLAND SCIENTIST SHALL INSPECT THE INSTALLATION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL IRRIGATE THE LIVE STAKES OR TUBELINGS PER SUPPLIER'S RECOMMENDATION.
- THE PROJECT WETLAND SCIENTIST SHALL INSPECT THE PLANTINGS ONCE PER YEAR FOR THREE COMPLETE GROWING SEASONS AFTER INSTALLATION. REMEDIAL ACTIONS SHALL BE IMPLEMENTED AS REQUIRED BY THE WETLAND SCIENTIST.



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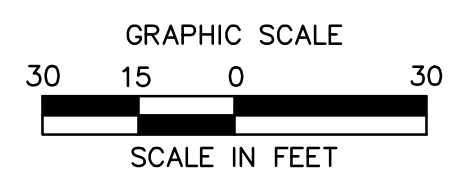


MATCHLINE

MATCHLINE

GRADING AND DRAINAGE LEGEND

PROPERTY LINE	
LIMIT OF DISTURBANCE LINE AND CONTRACT LIMIT LINE	
PROPOSED CONTOUR LINE	
PROPOSED SPOT GRADE	
PROPOSED STONE ACCESS WAY	



PROPOSED BILLBOARDS

1201 RESEARCH PARKWAY
MERIDEN, CONNECTICUT

REVISIONS
No. 1
Date 02/23/2021
Desc. REVISIONS PER CITY COMMENTS

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

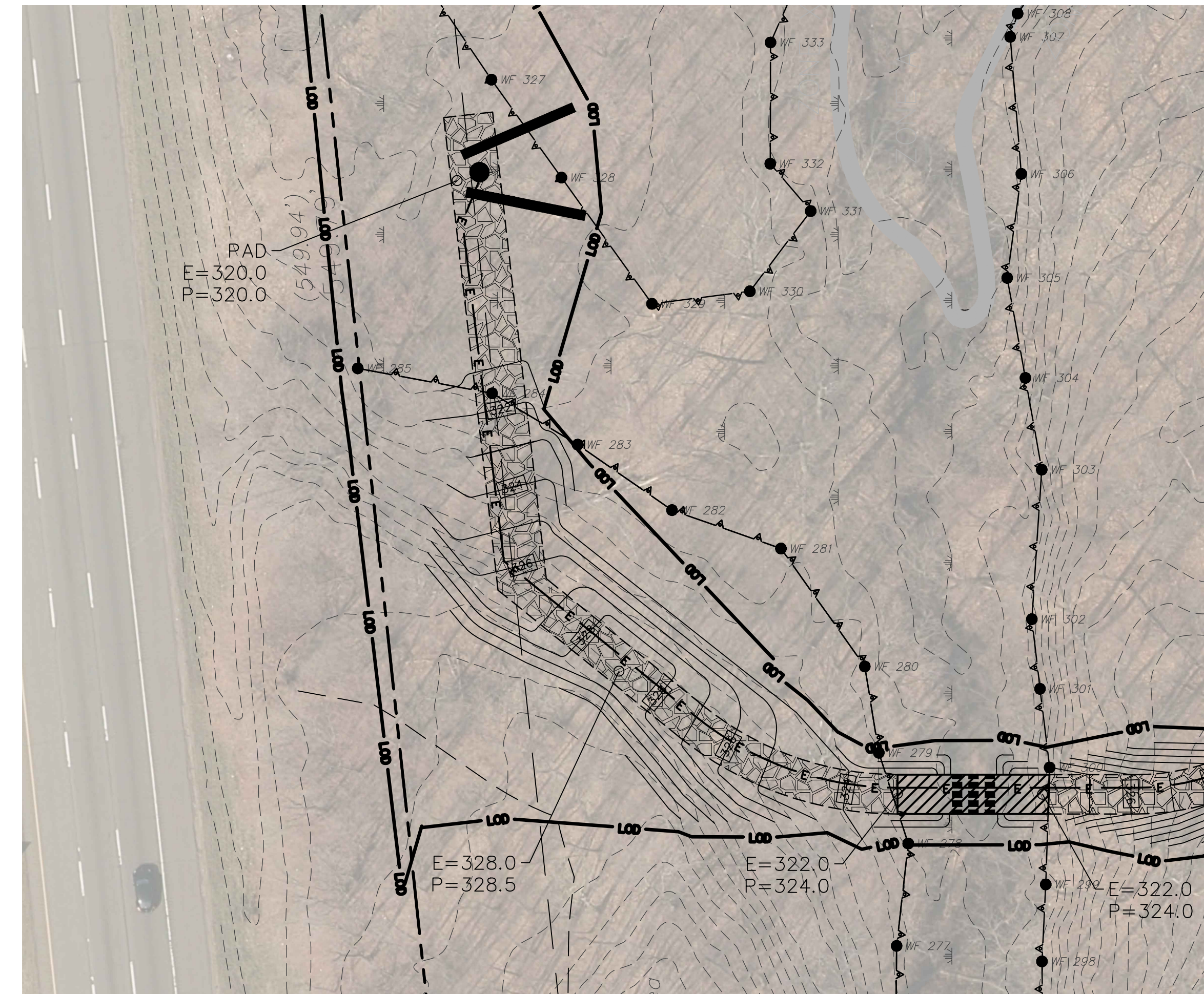
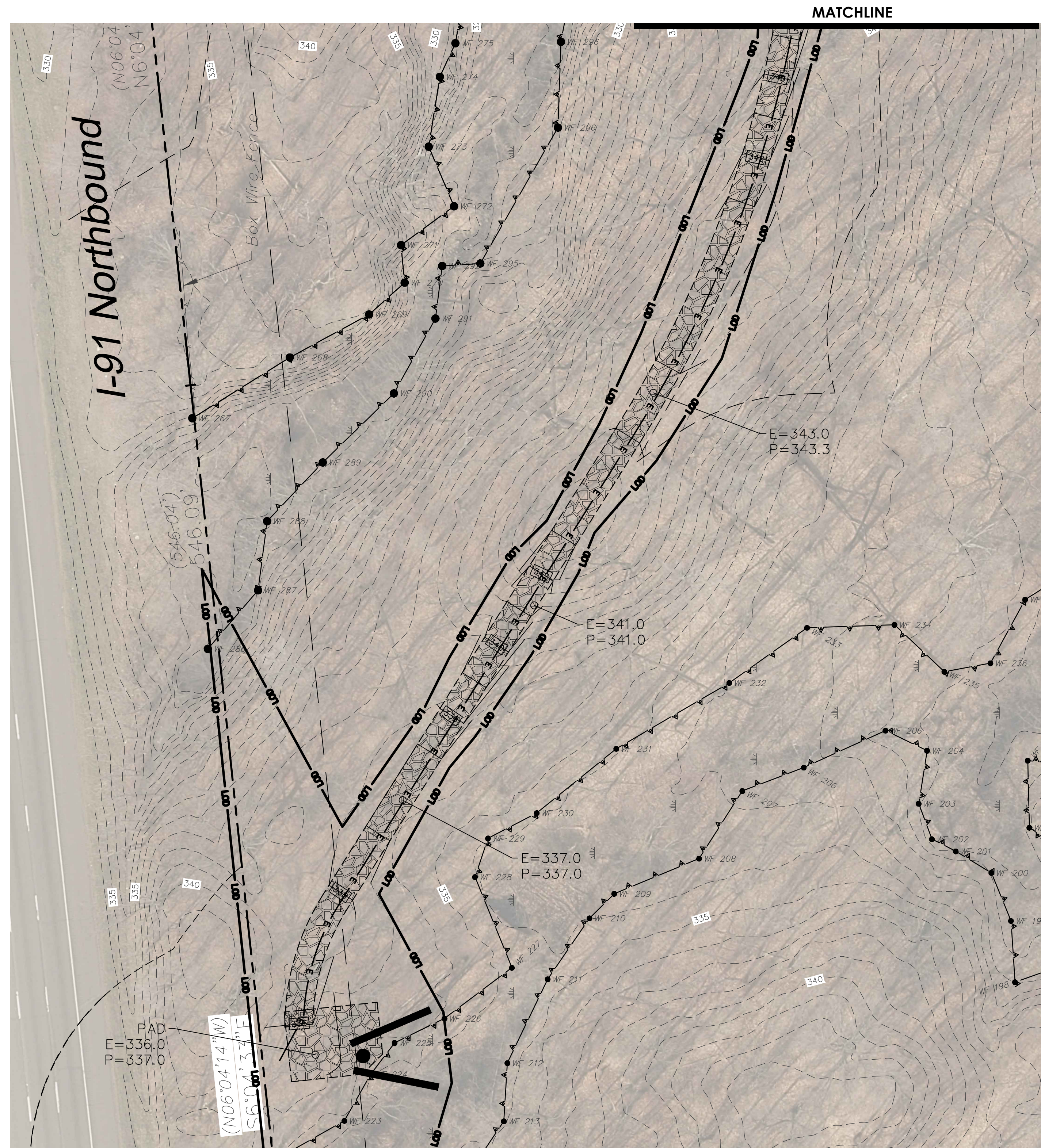
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Drawn W.E.V.
Reviewed
Scale 1"=30'
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Date 01/04/2021
CAD File: GD200127411

GRADING PLAN

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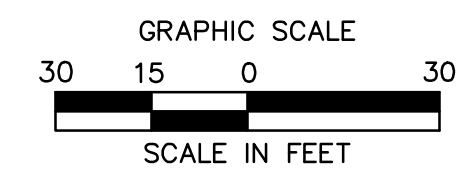
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GRADING AND DRAINAGE LEGEND

PROPERTY LINE	---
LIMIT OF DISTURBANCE LINE AND CONTRACT LIMIT LINE	---
PROPOSED CONTOUR LINE	---
PROPOSED SPOT GRADE	E= 339.0 P= 339.0
PROPOSED STONE ACCESS WAY	



PROPOSED BILLBOARDS
1201 RESEARCH PARKWAY
MERIDEN, CONNECTICUT

**PRELIMINARY PLANS
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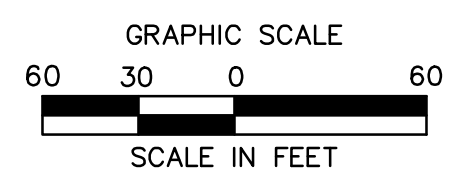
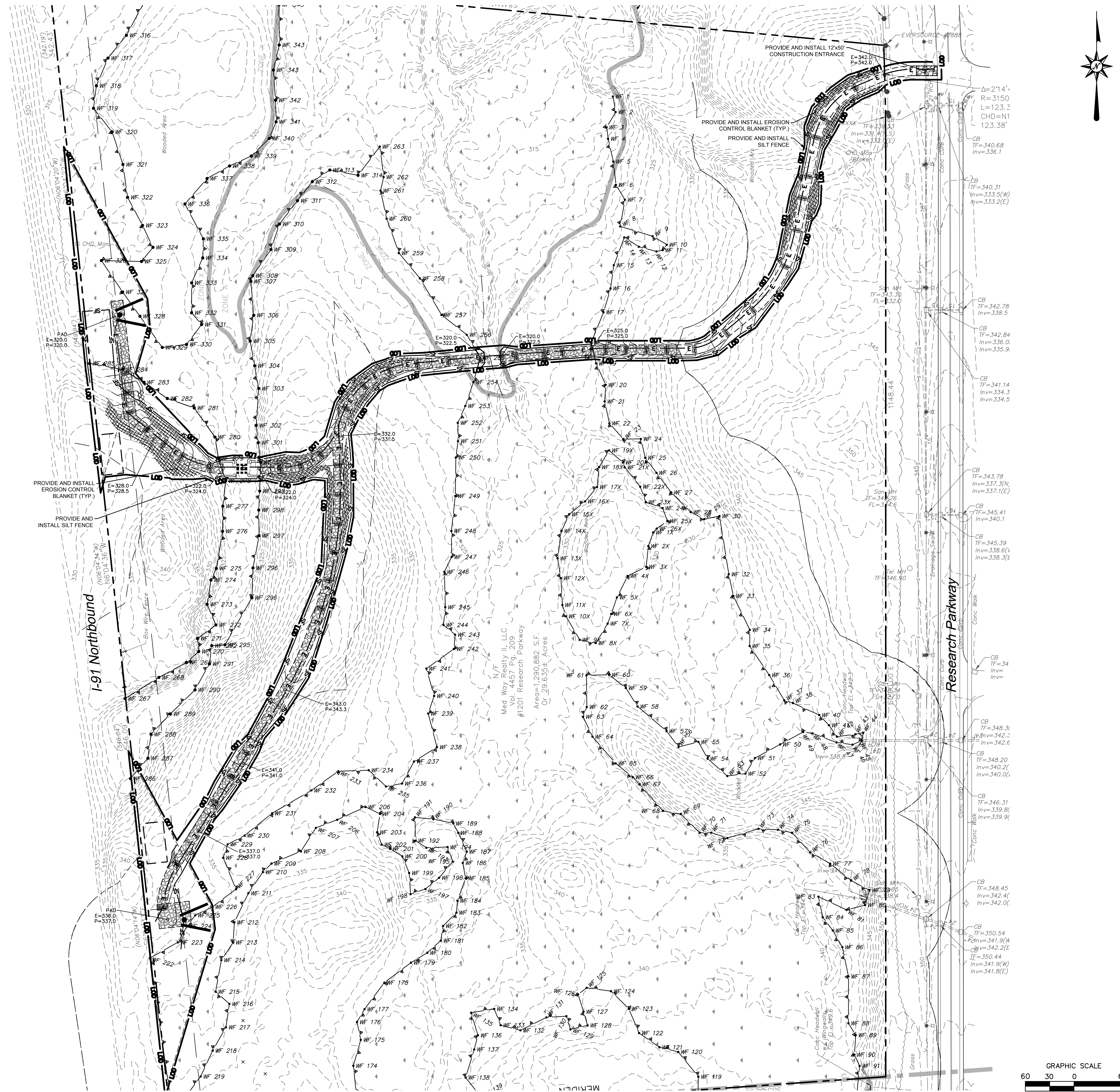
Title
GRADING PLAN

Sheet No.

GD-2

EROSION CONTROL LEGEND:

CONTROL MEASURE	ILLUSTRATION
SILT FENCE	SF
CONSTRUCTION ENTRANCE	CE
LIMIT OF DISTURBANCE LINE AND CONTRACT LIMIT LINE	LOD
EROSION CONTROL BLANKET	ECB



PROPOSED BILLBOARDS
1201 RESEARCH PARKWAY
MERIDEN, CONNECTICUT

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

REVISIONS

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Reviewed	
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Date	01/04/2021
CAD File:	EC200127412

Title
**SEDIMENT AND
EROSION
CONTROL PLAN**

Sheet No.

EC-1

2/23/2021, W:\PROJECTS\2001274\DWG\1201 RESEARCH PARKWAY\EC200127412.DWG, ECI, 2A00A, 005C

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SEDIMENT AND EROSION CONTROL NOTES

SEDIMENT & EROSION CONTROL NARRATIVE

THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF EROSION CONTROLS PRIOR TO THE BEGINNING OF PROJECT DEMOLITION AND/OR CONSTRUCTION.

CONSTRUCTION SCHEDULE

APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED SEDIMENT AND EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENCIES OF THE MUNICIPALITY AND/OR COUNTY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS COMMISSION AND/OR CIVIL ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- CONTACT CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION AGENT AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION, CONSTRUCTION OR REGULATED ACTIVITY ON THIS PROJECT.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION AGENT PRIOR TO THE START OF WORK ON THE SITE. INSTALL TREE PROTECTION AND PERIMETER SILT FENCE.
- CONSTRUCT STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS AT CONSTRUCTION ENTRANCES/EXITS AND INSTALL FILTER FABRIC AROUND GRATES OF CATCH BASINS OR INSTALL SILT SACKS ON CATCH BASIN INLETS ON OFF SITE ROADS. INSTALL SILT FENCE AND OTHER EROSION CONTROL DEVICES INDICATED ON THESE PLANS AT PERIMETER OF PROPOSED SITE DISTURBANCE AND INSTALL ALL EROSION CONTROL MEASURES INDICATED ON THESE PLANS.
- CLEAR AND GRUB SITE. STOCKPILE CHIPS. STOCKPILE TOPSOIL. INSTALL SEDIMENT AND EROSION CONTROLS AT STOCKPILES.
- INSTALL SILT FENCE.
- IMMEDIATELY UPON DISCOVERING UNFORESSEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE CONTRACTOR MUST PROVIDE EVIDENCE THAT EACH SPOIL OR BORROW AREA HAS A SEDIMENT AND EROSION CONTROL PLAN APPROVED BY THE CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION AND WHICH IS BEING IMPLEMENTED AND MAINTAINED. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION IN WRITING OF ALL RECEIVING SPOIL AND BORROW AREAS WHEN THEY HAVE BEEN IDENTIFIED.
- THROUGHOUT CONSTRUCTION SEQUENCE, REMOVE SEDIMENT FROM BEHIND SILT FENCES, HAY BALES AND OTHER EROSION CONTROL DEVICES. REMOVAL SHALL BE ON A PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL OF 0.25 INCH OR GREATER). INSPECTION OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE ON A WEEKLY BASIS AND AFTER EACH RAINFALL OF 0.25 INCHES OR GREATER. SEDIMENT COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND ON SLOPES DURING CONSTRUCTION.
- CONSTRUCT FOUNDATION FOR BILLBOARD.
- CONSTRUCT BILLBOARD.
- UPON DIRECTION OF THE CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION AGENT, SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED FOLLOWING STABILIZATION OF THE SITE.

OPERATION REQUIREMENTS

CLEARING AND GRUBBING OPERATIONS

- ALL SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS.
- FOLLOWING INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENT AND EROSION CONTROL DEVICES.
- FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR CRUSHED STONE AS SOON AS PRACTICAL.

ROUGH GRADING OPERATIONS

- DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
- ALL STOCKPILED TOPSOIL SHALL BE SEED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

FILLING OPERATIONS

- PRIOR TO FILLING, ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
- ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN LIFT THICKNESSES NOT GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS AND/OR THE PROJECT GEOTECHNICAL REPORT. LIFTS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS OR IN THE GEOTECHNICAL REPORT.
- AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT BASIN OR SEDIMENT TRAPS.
- NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, OR JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

- SILTATION FENCE
 - DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
 - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
 - LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
 - BACKFILL THE TRENCH AND COMPACT.

OPERATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES

- SILTATION FENCE
 - ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT.
- HAY BALES/STRAW BALES
 - ALL HAY BALE/STRAW BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
 - DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.

SEDIMENT AND EROSION CONTROL PLAN

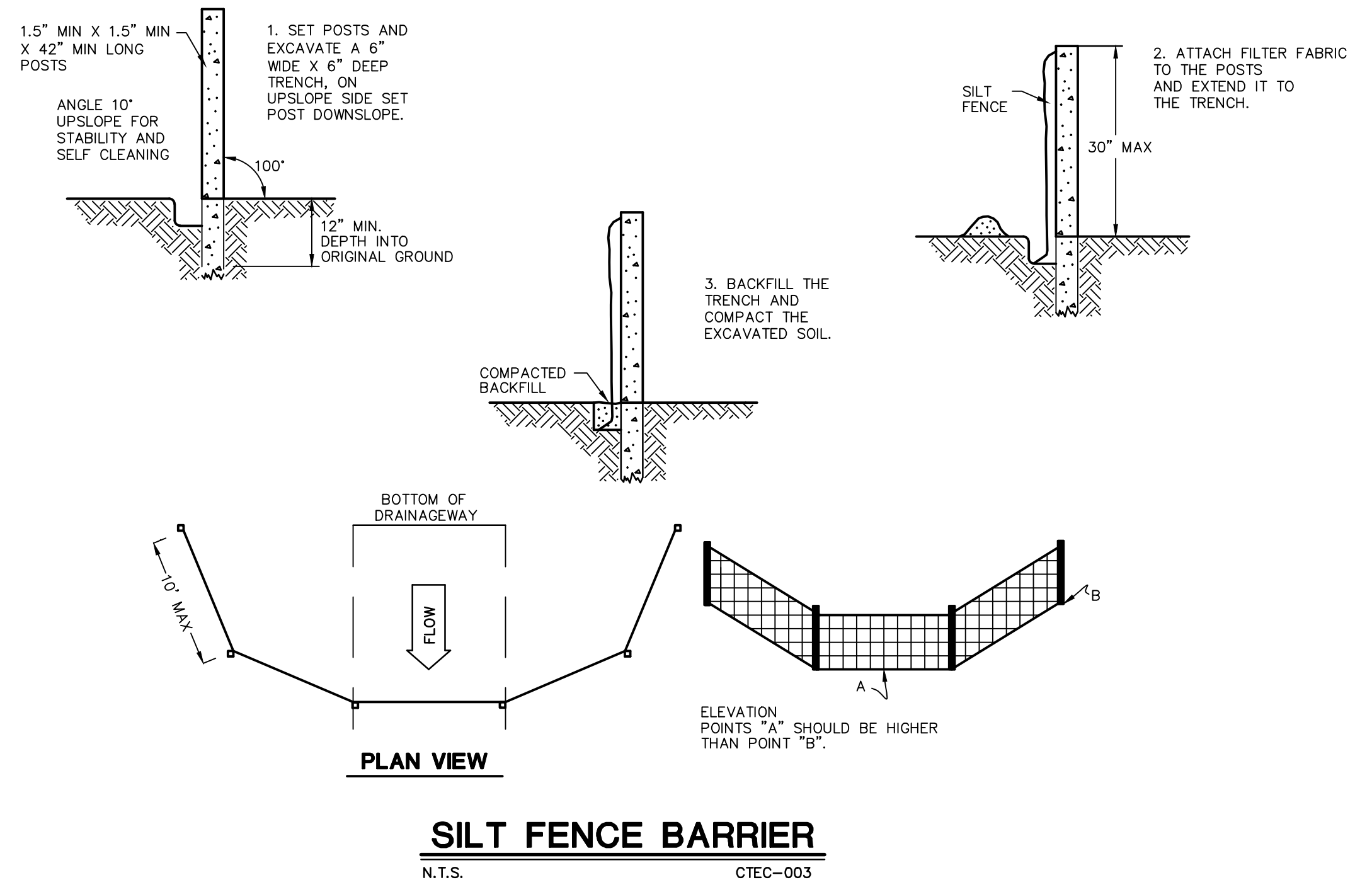
- ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL LATEST EDITION.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE DEMOLITION AND CONSTRUCTION PERIOD UNTIL THE SITE IS DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION.
- ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY THE AUTHORITY HAVING JURISDICTION.
- SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLANS, NOTES, AND DETAILS.
- CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, NOTIFICATION OF THE CITY OF MERIDEN INLAND WETLANDS AND WATERCOURSE COMMISSION OFFICE OR AUTHORITY HAVING JURISDICTION OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE SEDIMENT AND EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

SEDIMENT AND EROSION CONTROL NOTES

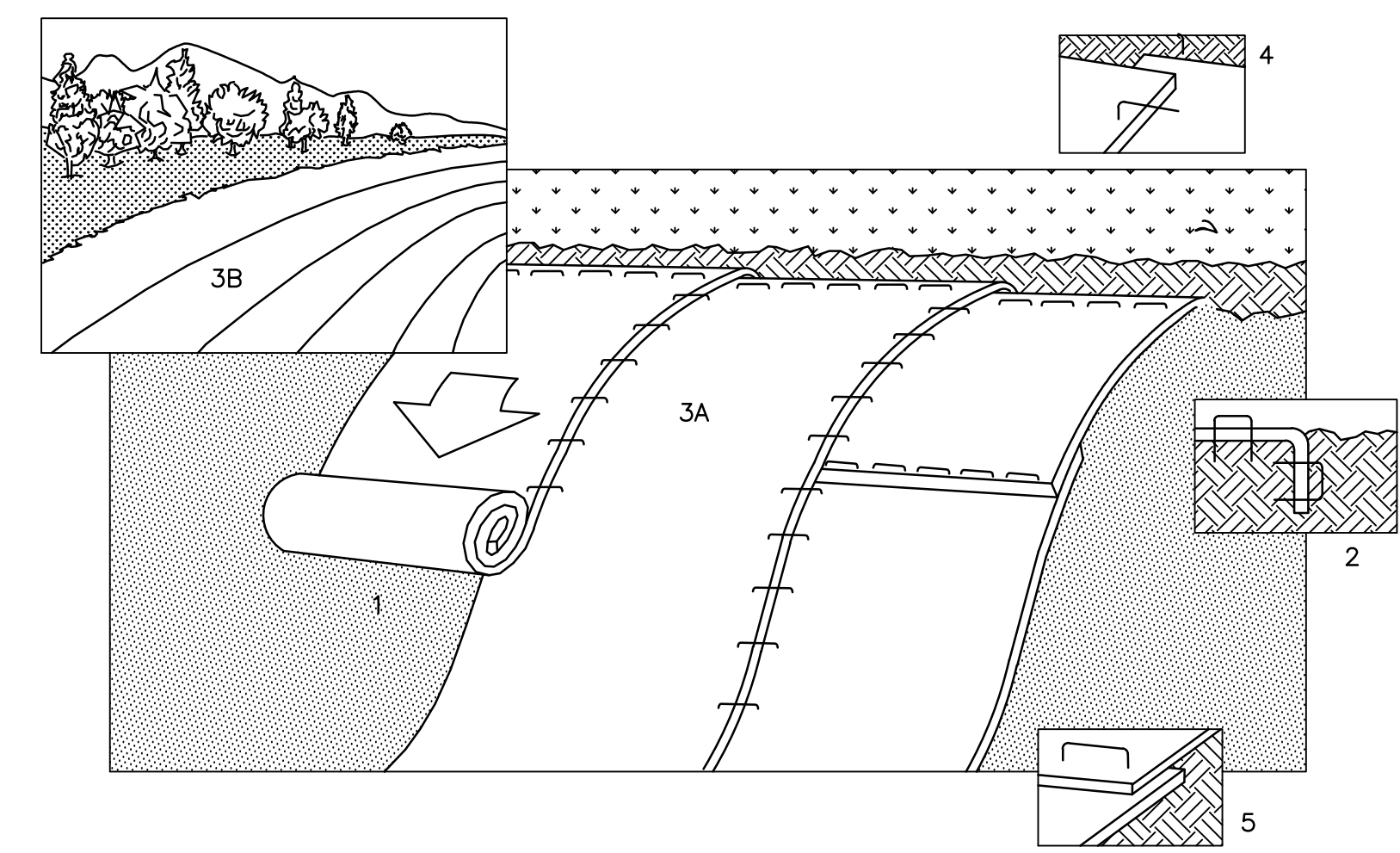
- THE SEDIMENT AND EROSION CONTROL PLAN IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THIS SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SEQUENCE. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- CONTRACTOR RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE AUTHORITY HAVING JURISDICTION OR COUNTY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- AN EROSION CONTROL BOND MAY BE REQUIRED TO BE POSTED WITH CITY OF MERIDEN TO ENSURE IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE POSTING OF THIS BOND AND FOR INQUIRIES TO THE CITY OF MERIDEN FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED BY THE OWNER.
- ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, INLAND WETLANDS AND WATER COURSE AND WATERCOURSE COMMISSION, OR GOVERNING AGENCIES. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
- THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM (0.25 INCHES OR GREATER RAINFALL), OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF SEDIMENT AND EROSION CONTROL MATERIAL (HAY BALES, SILT FENCE, JUTE MESH, RIP RAP, ETC.)

ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.

- INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
- STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN ONE (1) MONTH.
- COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430B, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION AND SHALL BE MAINTAINED DURING ALL DEMOLITION, EXCAVATION AND CONSTRUCTION ACTIVITIES.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (ONE WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDED WITH TACKIFIER.
- SILT FENCE AND OTHER SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CONTRACT DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.
- INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE TENCATE ENVROFENCE, PROFEX GEOTEX OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE TENCATE 140N OR 170N, OR APPROVED EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
- WHERE INDICATED ON SEDIMENT AND EROSION CONTROL PLANS USE NEW HAY/STRAW BALES AND REPLACE THEM WHENEVER THEIR CONDITION DETERIORATES BEYOND REASONABLE USABILITY. STAKE BALES SECURELY INTO GROUND AND BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
- IMMEDIATELY UPON DISCOVERING UNFORESSEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- ANY STOCKPILES OF STRIPPED MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRUSTING AGENT TO STABILIZE POTENTIALLY WIND-BLOWN MATERIAL. HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NEEDED TO SUPPRESS DUST. TRUCKS HAULING IMPORT FILL MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF AIRBORNE DUST. DURING HIGH WIND EVENTS (20 TO 30 MPH SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS UNLESS OTHERWISE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

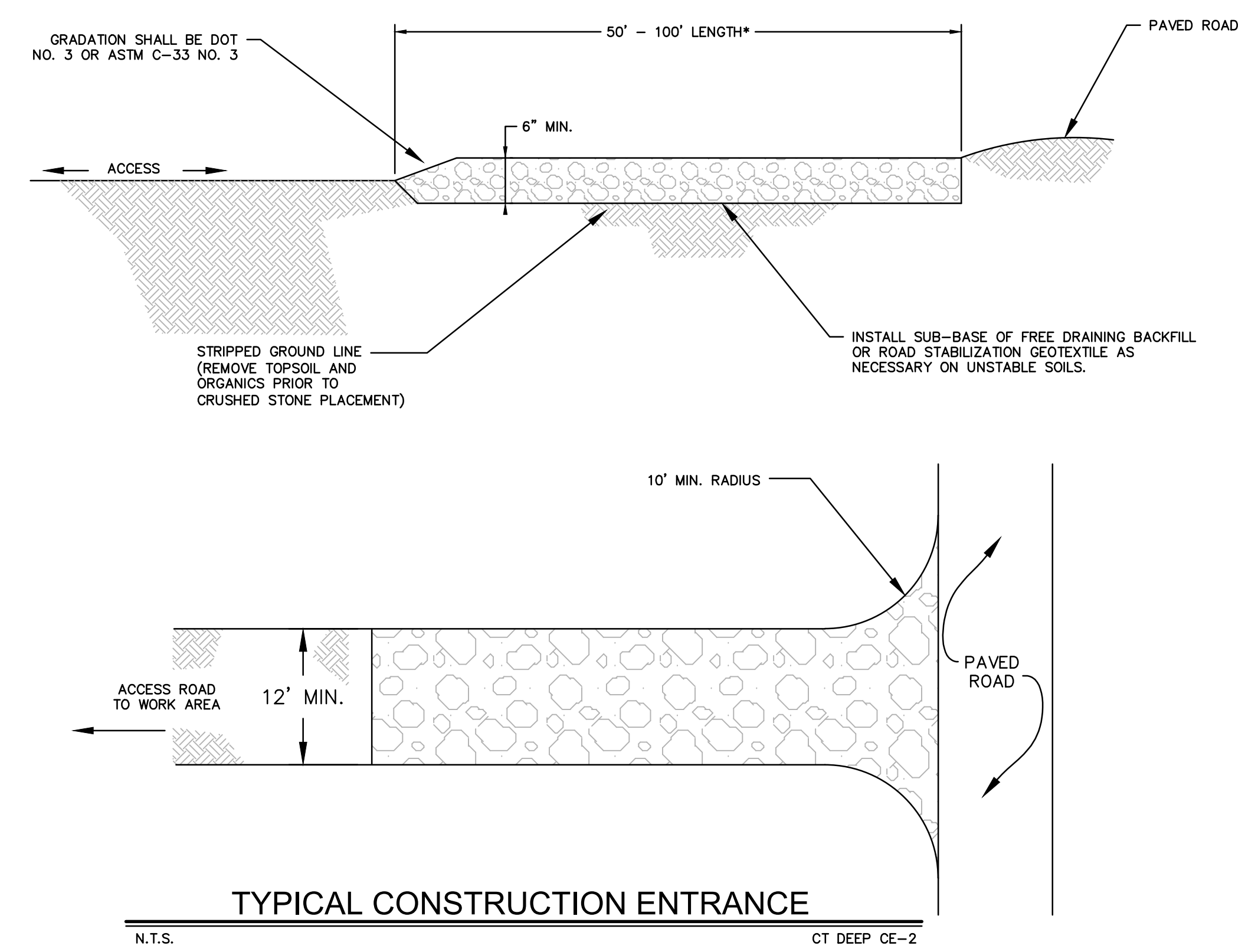


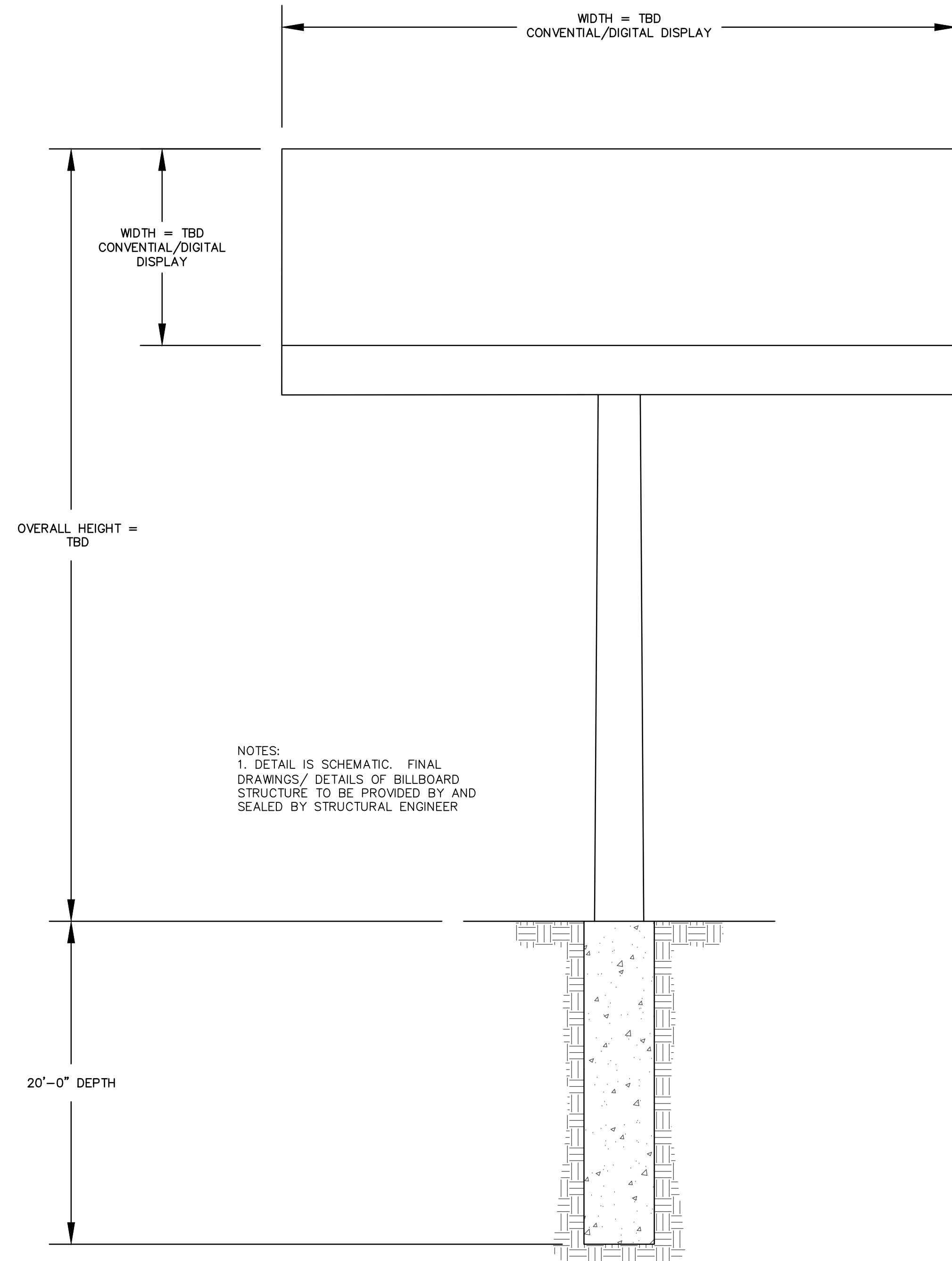
* WHERE SEDIMENTS CONTAIN LESS THAN 80% SAND, A 100 FT MINIMUM IS REQUIRED.



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

SLOPE STABILIZATION DETAIL
N.T.S. BLEC-010

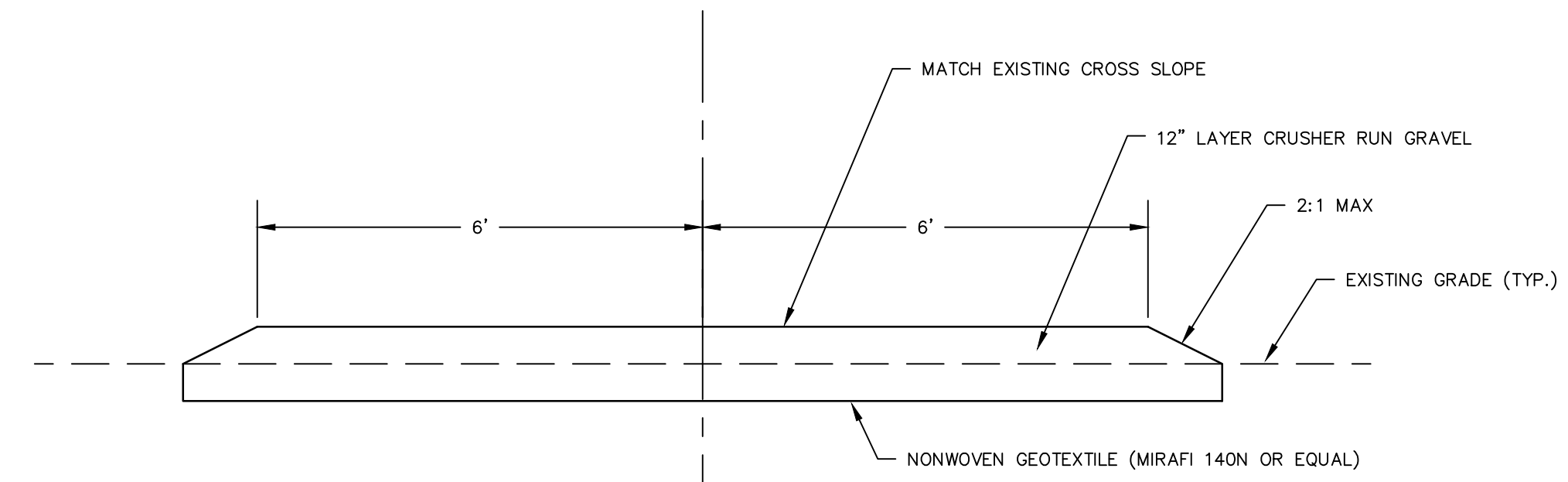




NOTES:
 1. DETAIL IS SCHEMATIC. FINAL DRAWINGS/ DETAILS OF BILLBOARD STRUCTURE TO BE PROVIDED BY AND SEALED BY STRUCTURAL ENGINEER

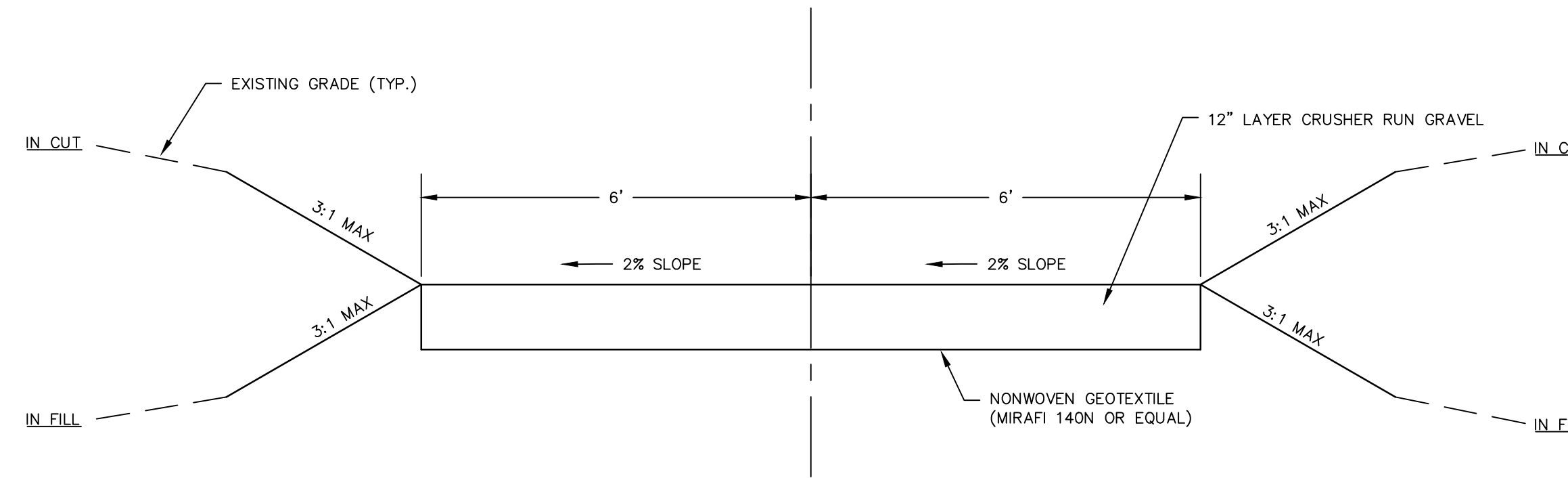
BILLBOARD SCHEMATIC FOUNDATION DETAIL

N.T.S.



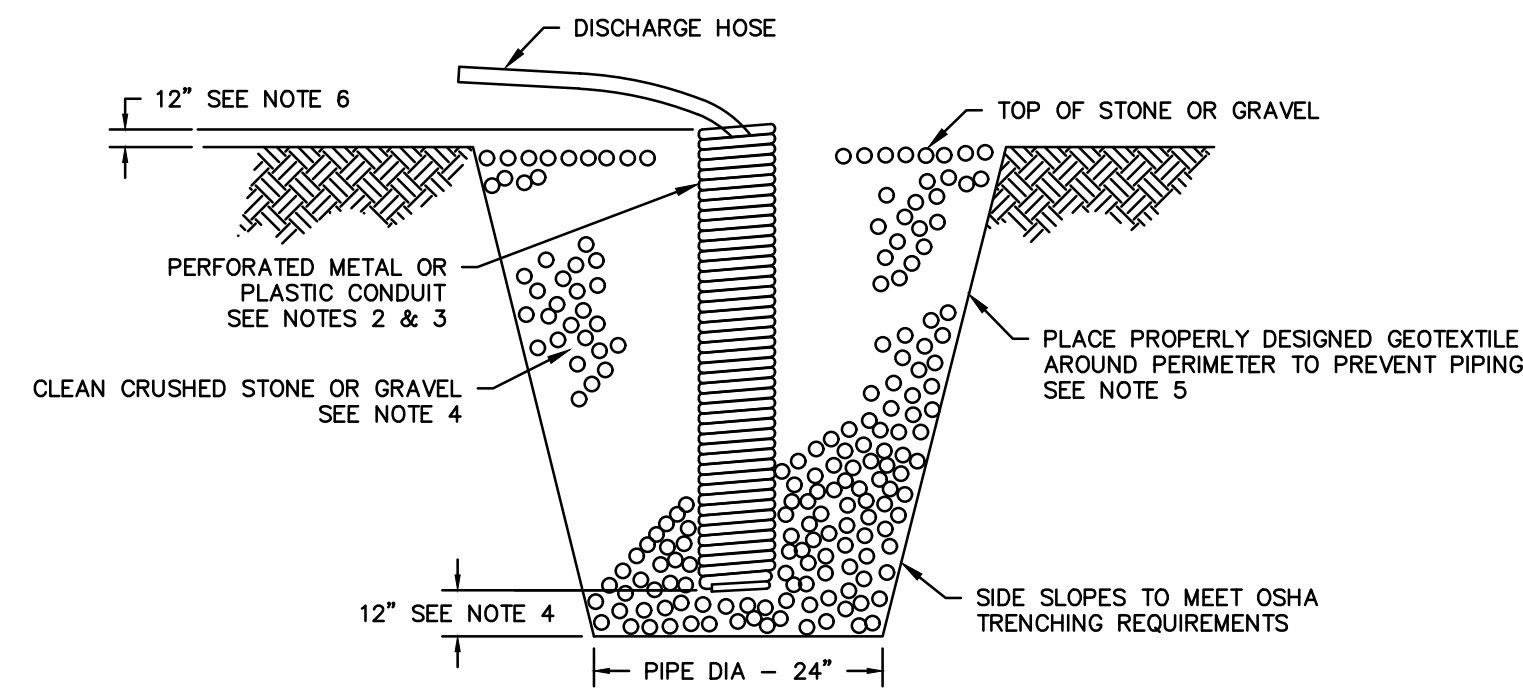
ACCESS WAY - STONE SECTION A

N.T.S.



ACCESS WAY - STONE SECTION B

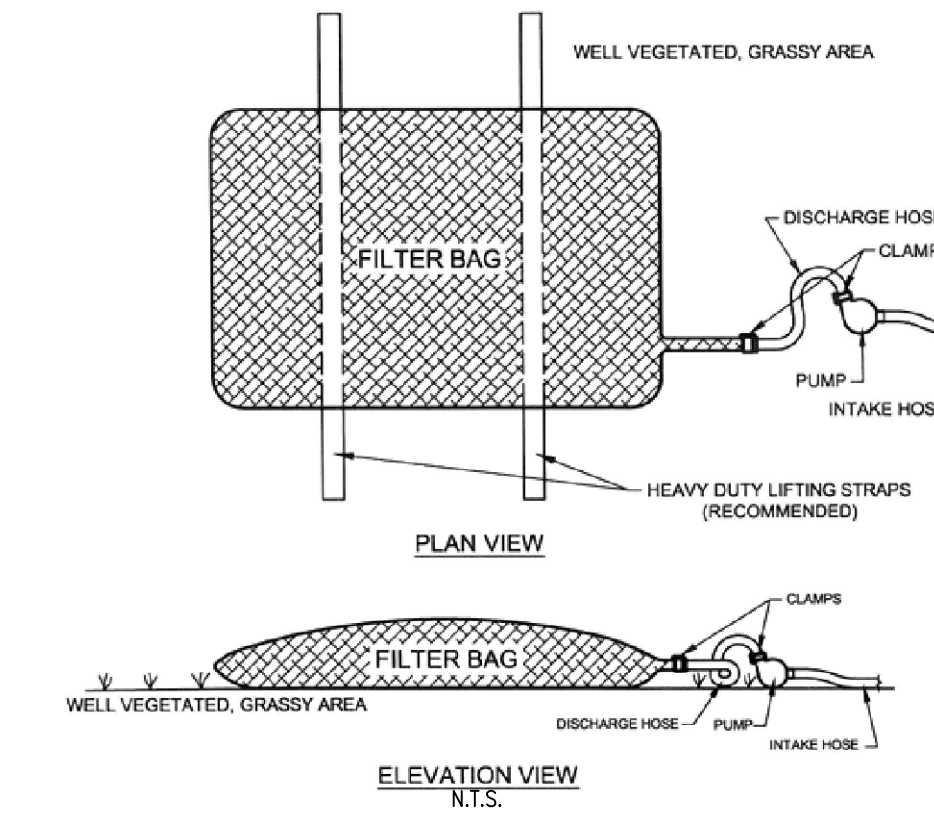
N.T.S.



- OVERALL SUMP PIT DIMENSIONS SHALL BE COMPATIBLE WITH ANTICIPATED SEEPAGE RATES AND PUMP SIZE TO BE USED.
- THE STANDPIPE DIAMETER AND NUMBER OF PERFORATIONS SHALL BE COMPATIBLE WITH THE PUMP SIZE BEING USED.
- PERFORATIONS IN THE STANDPIPE SHALL BE EITHER CIRCULAR OR SLOTS. PERFORATION SIZE SHALL NOT EXCEED 1/2" IN DIAMETER.
- CRUSHED STONE OR GRAVEL SHALL BE NO SMALLER THAN CT DOT #67 SIZE NOR LARGER THAN CT DOT #3 SIZE. CRUSHED STONE SHALL EXTEND A MINIMUM OF 12" BELOW THE BOTTOM OF THE STANDPIPE.
- IF EXCESSIVE MOVEMENT OF FINE SOIL PARTICLES FROM THE SURROUNDING EXISTING SOILS IS ANTICIPATED, A PROPERLY DESIGNED GEOTEXTILE SHALL BE PLACED BETWEEN THE EXISTING SOILS AND THE CRUSHED STONE OR GRAVEL BACKFILL.
- THE STANDPIPE SHALL EXTEND A MINIMUM OF 12" ABOVE THE SURROUNDING GROUND.

DEWATERING DETAIL

N.T.S.



LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED 'J' TYPE. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS MAY BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AGS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/4 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS TO BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HO OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

PUMP WATER FILTER BAG

N.T.S.

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REVISIONS
 No. 1
 Date 02/23/2021
 Desc. REVISIONS PER CITY COMMENTS

Designed W.E.V.
 Drawn W.E.V.
 Reviewed
 Scale NONE
 Project No. 2001274
 Date 01/04/2021
 CAD File: DN200127411

Title
DETAILS SHEET

Sheet No.

APPENDIX A – WETLAND / WATERCOURSE PHOTOS



Photo 1: View of stream crossing #1 location looking west



Photo 2: View of eroded stream bank south of crossing #1



Photo 3: View of crossing #2 location looking west



Photo 4: View of point of origin of the intermittent watercourse upgradient of crossing #2. Interstate 91 is in background. Note concrete bed.



Example Imagery of Watercourse Crossing Bridge/Span

