

GENERAL PERFORMANCE STANDARDS

1. THE CONTRACTOR SHALL INSTALL, ROUTINELY INSPECT AND MAINTAIN ALL SEDIMENT AND EROSION CONTROLS SUCH THAT THEY ARE IN PROPER WORKING ORDER AT ALL TIMES DURING THE CONSTRUCTION PROJECT UNTIL SUCH TIME AS ALL AREAS OF THE SITE TRIBUTARY TO THOSE EROSION CONTROLS ARE IN A PERMANENTLY STABILIZED CONDITION.
2. THE CONTRACTOR SHALL MANAGE THE SITE SUCH THAT EROSION AND SEDIMENT FROM RUNOFF AND WIND BLOWN DUST ARE CONTROLLED AND MINIMIZED AT ALL TIMES. THE EROSION CONTROLS SHOWN ON THIS PLAN INCLUDE THE INITIAL SETUP OF EROSION CONTROLS AND BASIC INFORMATION. TO MEET THE REQUIREMENT OF BEST MANAGEMENT PRACTICES, THE CONTRACTOR SHALL MANAGE THE SITE PROPERLY WHICH MAY INCLUDE, BUT NOT BE LIMITED TO: MINIMIZING AREAS OF EXPOSED SOILS; INSTALLING TEMPORARY COVER; MAKE NECESSARY ADJUSTMENTS TO THE EROSION CONTROL INSTALLATIONS TO IMPROVE FUNCTION; INSTALL ADDITIONAL EROSION CONTROL WHERE NECESSARY.
3. THE EROSION CONTROL WORK SHOWN ON THIS PLAN MAY BE SUBJECT TO OTHER STATE AND LOCAL APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE CONDITIONS AND REQUIREMENTS OF THOSE PERMITS.
4. DESIGN, INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROLS SHALL BE IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOLLOWING THE GUIDELINES INCLUDED IN THE FOLLOWING:
 - "STORMWATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES, DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES" U.S. ENVIRONMENTAL PROTECTION AGENCY, OCTOBER 1992.
 - "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, A GUIDE FOR PLANNERS, DESIGNERS AND MUNICIPAL OFFICIALS", MASS. EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS, MAY 2003.
 - U.S.D.A. NATURAL RESOURCES AND CONSERVATION SERVICES (NRCS) GUIDELINES.

FEDERAL NPDES PHASE II COMPLIANCE

1. THIS PROJECT IS NOT SUBJECT TO THE FEDERAL CLEAN WATER ACT REQUIREMENTS FOR CONSTRUCTION SITES ADMINISTERED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA). THE PREPARATION OF A COMPLETE "STORMWATER POLLUTION PREVENTION PLAN" (SWPPP) AND FILING A NOTICE OF INTENT WITH THE EPA IS NOT REQUIRED PROVIDED THAT THE WORK REMAINS WITHIN THE LIMITS SHOWN ON THESE PLANS

PERIMETER SEDIMENT BARRIER AND LIMIT OF WORK

1. PRIOR TO ANY DISTURBANCE OR ALTERATIONS OF ANY AREA ON THE SITE, A SEDIMENT BARRIER SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN.
2. INSTALL THE SEDIMENT BARRIER AS SHOWN ON THE PLAN. IN THOSE AREAS WHERE THE TOPOGRAPHY INDICATES THAT STORMWATER RUNOFF WILL BE CONCENTRATED (AT LOW POINTS), ADDITIONAL SEDIMENT BARRIER (SILT FENCE OR EQUAL) SHALL BE STAKED ON THE UPGRADIENT SIDE FOR ADDED FILTRATION AND PROTECTION. THE REQUIRED LOCATIONS FOR THE ADDITIONAL SEDIMENT BARRIER INSTALLATION WILL BE SELECTED BY THE ENGINEER AND / OR THE AUTHORIZED INSPECTOR UPON COMPLETION OF THE SEDIMENT BARRIER INSTALLATION. SEE DETAILS.
3. ONCE INSTALLED, THE SEDIMENT BARRIER SHALL BE MAINTAINED IN PLACE UNTIL ALL AREAS UPGRADIENT FROM THE BARRIERS HAVE BEEN PERMANENTLY STABILIZED.
4. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED OR WHERE SPECIAL STABILIZATION MEASURES OR LANDSCAPE PLANTINGS ARE PROPOSED SHALL BE LOAMED AND SEEDED OR SODDED. SIX INCHES OF LOAM TOPSOIL (MIN. COMPACTED DEPTH) SHALL BE APPLIED UNLESS, OTHERWISE SPECIFIED. SEE LANDSCAPE PLAN AND OTHER PLANS AS APPLICABLE.
5. THE SEDIMENT BARRIER IS ALSO A LIMIT OF WORK. ALL AREAS OUTSIDE THE LIMIT ARE TO BE LEFT UNDISTURBED. DURING THE SITE WORK, ALL PERSONS AND EQUIPMENT SHALL STAY OUT OF THESE AREAS TO PRESERVE THE EXISTING VEGETATION AND SOIL COVER.

CONSTRUCTION ENTRANCE

1. AT THE START OF SITE WORK, A STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE ACCESS TO THE SITE FROM THE ROADWAY TO CONTROL THE TRACKING OF MUD OFF THE SITE. THE ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS IN A STABILIZED CONDITION WHEN THE POSSIBILITY OF VEHICLES TRACKING MUD OFF SITE HAS BEEN ELIMINATED.
2. THE CONTRACTOR SHALL RELOCATE THE CONSTRUCTION ENTRANCE AS THE LOCATIONS CHANGE THROUGHOUT THE DURATION OF CONSTRUCTION.
3. THE CONTRACTOR SHALL SWEEP THE ADJACENT ROADWAYS WHEN MUD, DUST, DIRT, DEBRIS, ETC. HAS SHOWN SIGNS OF BUILDUP ON THE ROADWAYS AT THE ENTRANCE OF THE SITE. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THIS MATTER AND IMMEDIATE ATTENTION IS ALWAYS REQUIRED.

DEWATERING OF EXCAVATIONS

1. DISCHARGE FROM DEWATERING PUMPS OR TEMPORARY TRENCH OR EXCAVATION DRAINS SHALL NOT BE DISCHARGED DIRECTLY TO THE ON-SITE DRAINAGE SYSTEM OR WETLAND RESOURCE AREAS. DISCHARGES SHALL BE DIRECTED TO A TREATMENT SYSTEM CONSISTING OF A SEDIMENT BASIN, STRAW BALE SEDIMENT BASIN, FILTER BAG SYSTEM OR OTHER APPROVED METHOD TO FILTER THE DISCHARGE WATER AND PREVENT EROSION.
2. THE PUMP DISCHARGE SYSTEMS MUST BE GREATER THAN 100 FEET FROM WETLAND RESOURCES UNLESS APPROVED BY THE MUNICIPAL CONSERVATION COMMISSION AND IN ACCORDANCE WITH OTHER APPLICABLE LAWS AND REGULATIONS.
3. ALL DEWATERING DRAINAGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES MUST FIRST OBTAIN ANY APPLICABLE DEWATERING DRAINAGE PERMIT. SUCH DISCHARGES SHALL COMPLY WITH THE MUNICIPAL REQUIREMENTS, UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, MASSACHUSETTS DEP AND OTHER APPROPRIATE AGENCIES.
4. UNDER NO CIRCUMSTANCE SHALL DEWATERING DRAINAGE BE DISCHARGED INTO A SANITARY SEWER.

SOIL STOCKPILES

1. STOCKPILES OF SOIL MATERIALS SHALL BE PLACED WITHIN AREAS THAT ARE PROTECTED BY SEDIMENT BARRIER AS SHOWN ON THIS PLAN, OR SHALL BE SURROUNDED BY PROPER SILT FENCING, FIBER LOGS, OR STAKED STRAW BALES.
2. STOCKPILES ARE TO BE COVERED AT THE END OF EACH WORKDAY PER THE SUDBURY STORMWATER MANAGEMENT REGULATIONS SECTION B.6.1. STOCKPILES THAT ARE TO BE IN PLACE FOR EXTENDED PERIODS OF TIME (MORE THAN 30 DAYS) SHALL BE COVERED OR OTHERWISE TEMPORARILY STABILIZED (E.G. GRASSED, HEAVY MULCH AND TACIFIER, ETC.) IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES.

CATCH BASIN INLET PROTECTION

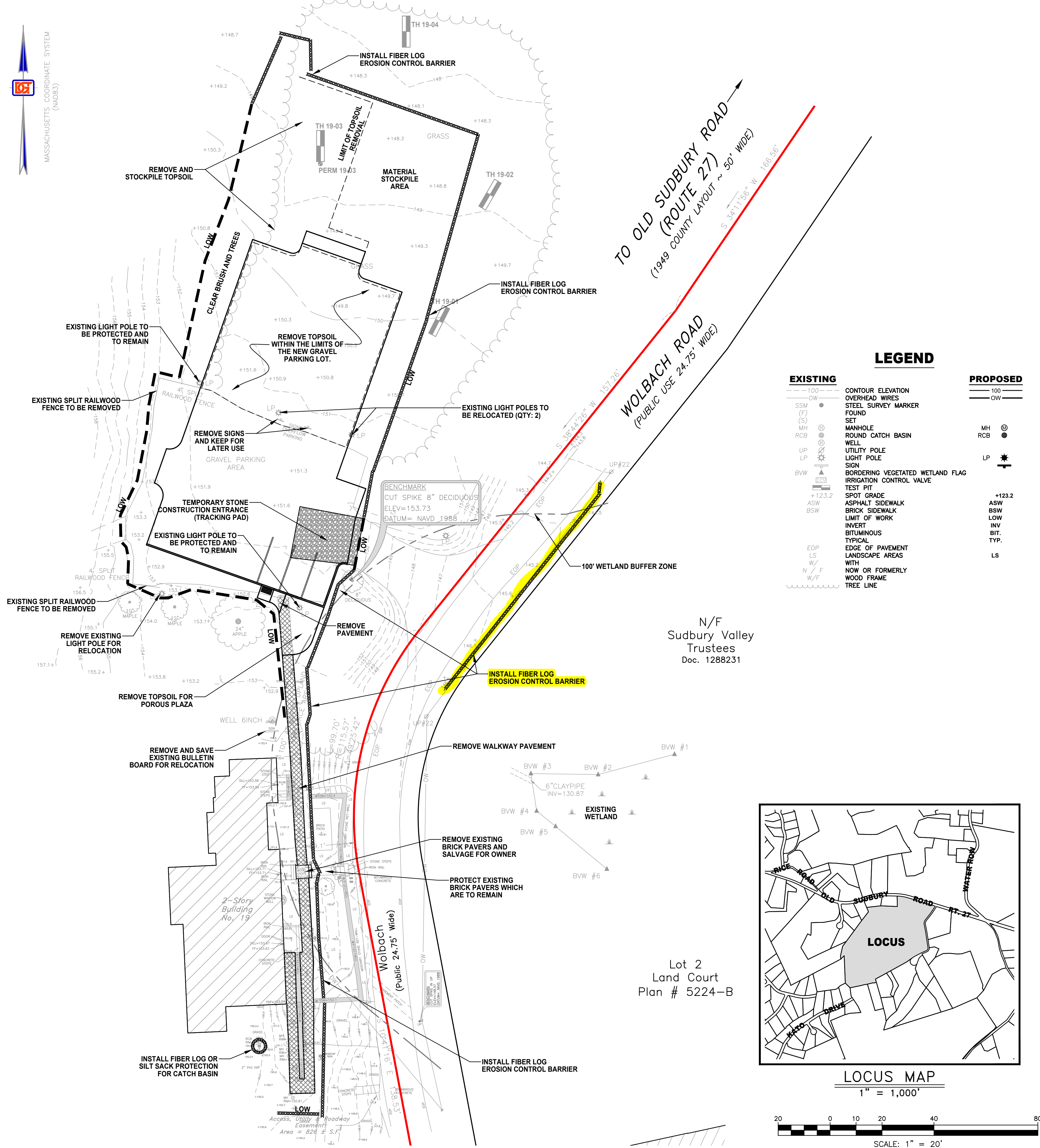
1. CATCH BASINS WITHIN THE WORK AREA OR THAT WILL RECEIVE RUNOFF FROM THE WORK AREA SHALL BE PROTECTED WITH A SILT SACK AND OR OTHER APPROVED INSTALLATION TO MINIMIZE THE SEDIMENT LOAD TO THE BASIN.

DUST CONTROL

1. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES DURING SITE WORK TO MINIMIZE WIND BLOWN DUST FROM EXPOSED SOIL SURFACES. MEASURES INCLUDE BUT ARE NOT LIMITED TO:
 - SPRINKLING WATER ON EXPOSED SURFACES
 - APPLICATION OF TEMPORARY COVER SUCH AS HYDRO MULCH AND TACIFIER, STRAW MATTING, JUTE NETTING ETC.

RAIN GARDEN PROTECTION

1. STORMWATER FROM THE DISTURBED CONSTRUCTION SITE SHALL NOT BE DISCHARGED INTO THE PROPOSED RAIN GARDEN UNTIL THE AREA BEING DRAINED IS FULLY STABILIZED AND CLEAN. UNTIL THEN, THE RAIN GARDEN SHALL REMAIN OFF-LINE AND PROTECTED. THE CONTRACTOR SHALL PROVIDE TEMPORARY BY-PASS SYSTEMS AS NECESSARY TO PREVENT CONSTRUCTION SITE RUNOFF FROM ENTERING THE RAIN GARDEN.



2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
1	FWK	6/16/2021	PER CLIENT REQUEST
NO.	APP	DATE	DESCRIPTION

DATE: JUNE 1, 2021

SCALE: 1" = 20'

DRAFTED:	CHECKED:	APPROVED:
KMR/JJS	FWK	FWK

PROJECT TITLE:

**NEW PARKING
FACILITY AND
ACCESSIBILITY
IMPROVEMENTS FOR
SVT HEADQUARTERS
AT WOLBACH FARM**

18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

SHEET TITLE:

**SITE DEMO &
EROSION & SEDIMENT
CONTROL PLAN**

SHEET:
1 OF 6

PROJECT NO.:
25423

CE-01

GENERAL NOTES

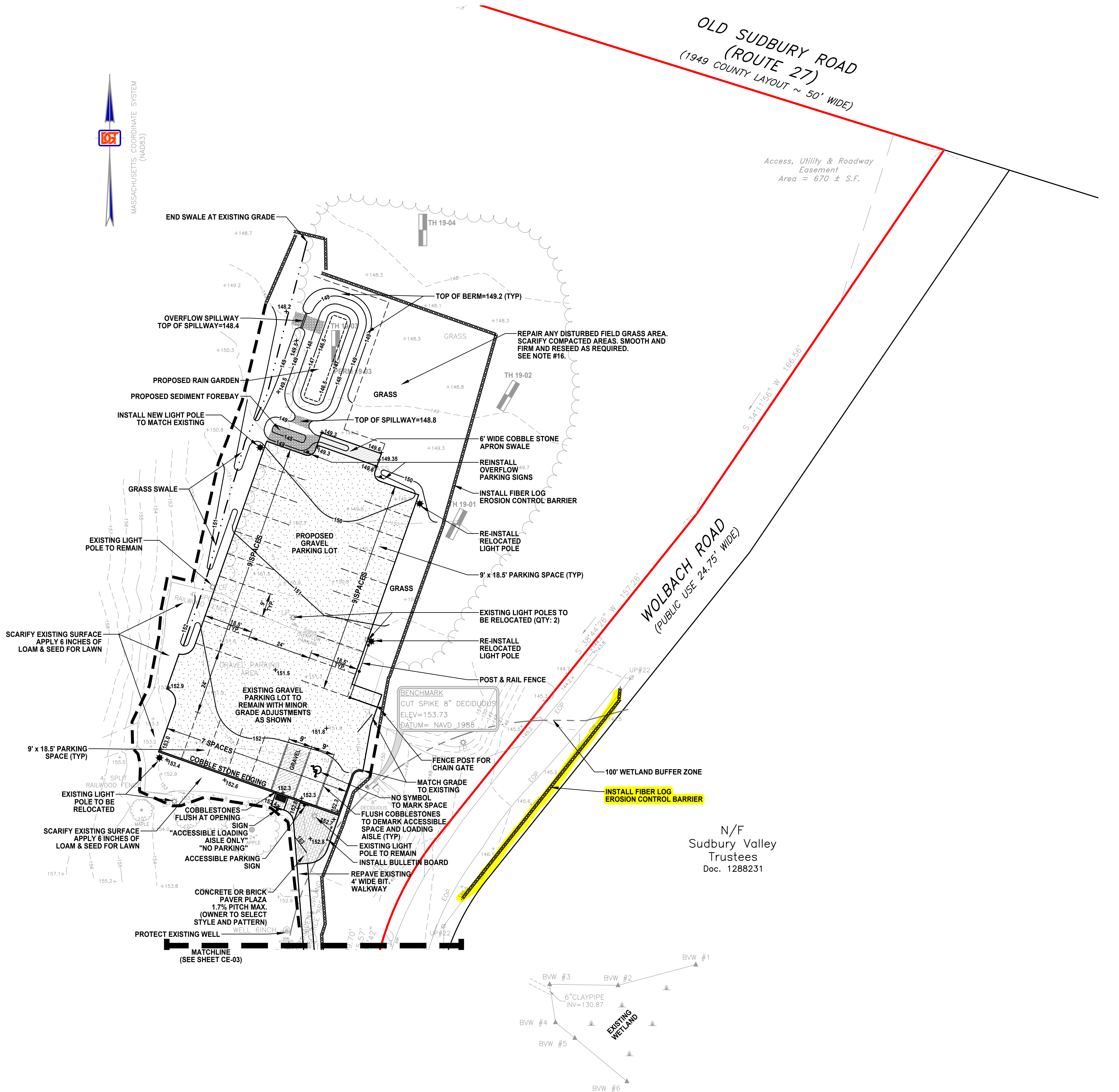
- ELEVATIONS SHOWN HEREON REFER TO NAVD 1988
- TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM FIELD SURVEYS PERFORMED BY DGT ASSOCIATES ON MAY 21, 2019.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND RELATIVE ELEVATION OF BENCH MARKS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- IN CASES WHERE LEDGE, BURIED FOUNDATIONS OR BOULDERS ARE PRESENT, DGT ASSOCIATES SHALL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK OR CONCRETE ENCOUNTERED
- DGT ASSOCIATES SHALL BE NOTIFIED OF ANY SIGNIFICANT DIFFERENCES IN THE EXISTING CONDITIONS OR UTILITIES THAT MAY AFFECT THE CONSTRUCTION SHOWN ON THIS PLAN FOR ANY NECESSARY PLAN REVISIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY EXISTING FEATURES DAMAGED DURING CONSTRUCTION THAT ARE NOT INTENDED FOR DEMOLITION AND/OR REMOVAL HEREON.
- SAFETY MEASURES, CONSTRUCTION METHODS AND CONTROL OF WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GRADING AND UTILITY PLAN NOTES

- LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ALL UTILITIES, OBSTRUCTIONS AND/OR SYSTEMS MAY NOT BE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES AND/OR SYSTEMS WHETHER OR NOT SHOWN HEREON.
- UNLESS OTHERWISE SHOWN HEREON, ALL NEW UTILITIES SHALL BE UNDERGROUND.
- RIM ELEVATIONS SHOWN HEREON FOR NEW STRUCTURES ARE PROVIDED TO ASSIST THE CONTRACTOR WITH MATERIAL TAKEOFFS. FINAL RIM ELEVATIONS SHALL MATCH PAVEMENT, GRADING, LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- WHERE CONNECTIONS AND STRUCTURES ARE TO BE INSTALLED AT EXISTING UTILITIES, THE CONTRACTOR SHALL CONFIRM THE LOCATION AND ELEVATION PRIOR TO INSTALLATION AND SHALL REPORT ANY SIGNIFICANT DISCREPANCY FROM THE PLAN INFORMATION TO THE ENGINEER.
- ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1:50 (2%) IN ANY DIRECTION.
- WALKWAY GRADES SHALL NOT HAVE LONGITUDINAL SLOPES IN EXCESS OF 1:20 (5%) OR CROSS SLOPES IN EXCESS OF 1:50 (2%), UNLESS OTHERWISE NOTED.
- WALK GRADIENTS AND CROSS SLOPES SHOWN HEREON ARE WITHIN, OR LESS THAN, THE REQUIREMENTS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD'S (MAAB) REGULATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT THE WORK SO THAT IT IS COMPLIANT WITH ALL REQUIRED REGULATIONS. NOTE THAT THE MAXIMUM GRADIENTS WITHIN THE REGULATIONS DO NOT RECOGNIZE "CONSTRUCTION TOLERANCES." EXCEEDING THE MAXIMUM GRADIENTS IN THE REGULATIONS IS ENTIRELY AT THE CONTRACTOR'S RISK. THE CONTRACTOR SHALL VERIFY IN WRITING THAT ALL WALKS HAVE BEEN CONSTRUCTED IN COMPLIANCE WITH THE MAAB'S REGULATIONS.
- ALL ACCESSIBLE PARKING SPACES SHALL HAVE SIGNAGE AND MARKINGS COMPLIANT WITH THE MAAB REGULATIONS.
- CURB RADII AND DIMENSIONS SHOWN HEREON ARE AT THE FACE OF CURB.
- WHERE NEW PAVING MEETING EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW PAVING.
- PERIMETER EROSION CONTROLS SHOWN HEREON SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBANCE AND SHALL SERVE AS A LIMIT OF WORK, UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY THE ENGINEER.
- ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS. STRIPING ON THE GRAVEL PARKING AREA IS SHOWN FOR ILLUSTRATIVE PURPOSES. NO MARKINGS ARE PROPOSED EXCEPT FOR THE PAVED ACCESSIBLE PARKING AREA AND LOADING SPACE.
- SITE LIGHTING: EXTEND AND ADJUST ELECTRICAL LINES AND CONDUITS AS NECESSARY FOR THE RELOCATED AND NEW LIGHT POLES AND LIGHTING FOR THE NEW KIOSK. ELECTRICAL CONTRACTOR TO MAKE ADJUSTMENTS TO THE ELECTRICAL CONDUITS AS NECESSARY TO SUPPLY ADEQUATE POWER AND ADD REQUIRED SWITCHES AND ACCESSORIES.
- DISTURBED FIELD AREA OUTSIDE OF THE PARKING LOT IS TO BE REPAIRED TO ITS ORIGINAL CONDITION. SCARIFY OR TILL SOIL TO LOOSEN COMPACTION. SMOOTH AND FIRM THE SURFACE AND RESEED.

REGULATORY NOTES

- THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES AND COMPILING INFORMATION FROM PLANS PROVIDED BY UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE LOCATION SHOWN HEREON SHALL BE CONSIDERED APPROXIMATE. BEFORE ANY CONSTRUCTION, DEMOLITION OR SITE WORK, THE LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BY CONTACTING "DIG-SAFE" AT 811.
- THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
- CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).



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COMMONWEALTH OF MASSACHUSETTS
FREDRIC W. KING
CIVIL
No. 38089
REGISTERED PROFESSIONAL ENGINEER
10/5/2021

NO.	APP.	DATE	DESCRIPTION
2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
1	FWK	6/16/2021	PER CLIENT REQUEST

DATE: JUNE 1, 2021

SCALE: 1" = 20'

DRAFTED:	CHECKED:	APPROVED:
KMR/JJS	FWK	FWK

PROJECT TITLE:

NEW PARKING FACILITY AND ACCESSIBILITY IMPROVEMENTS FOR SVT HEADQUARTERS AT WOLBACH FARM

18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

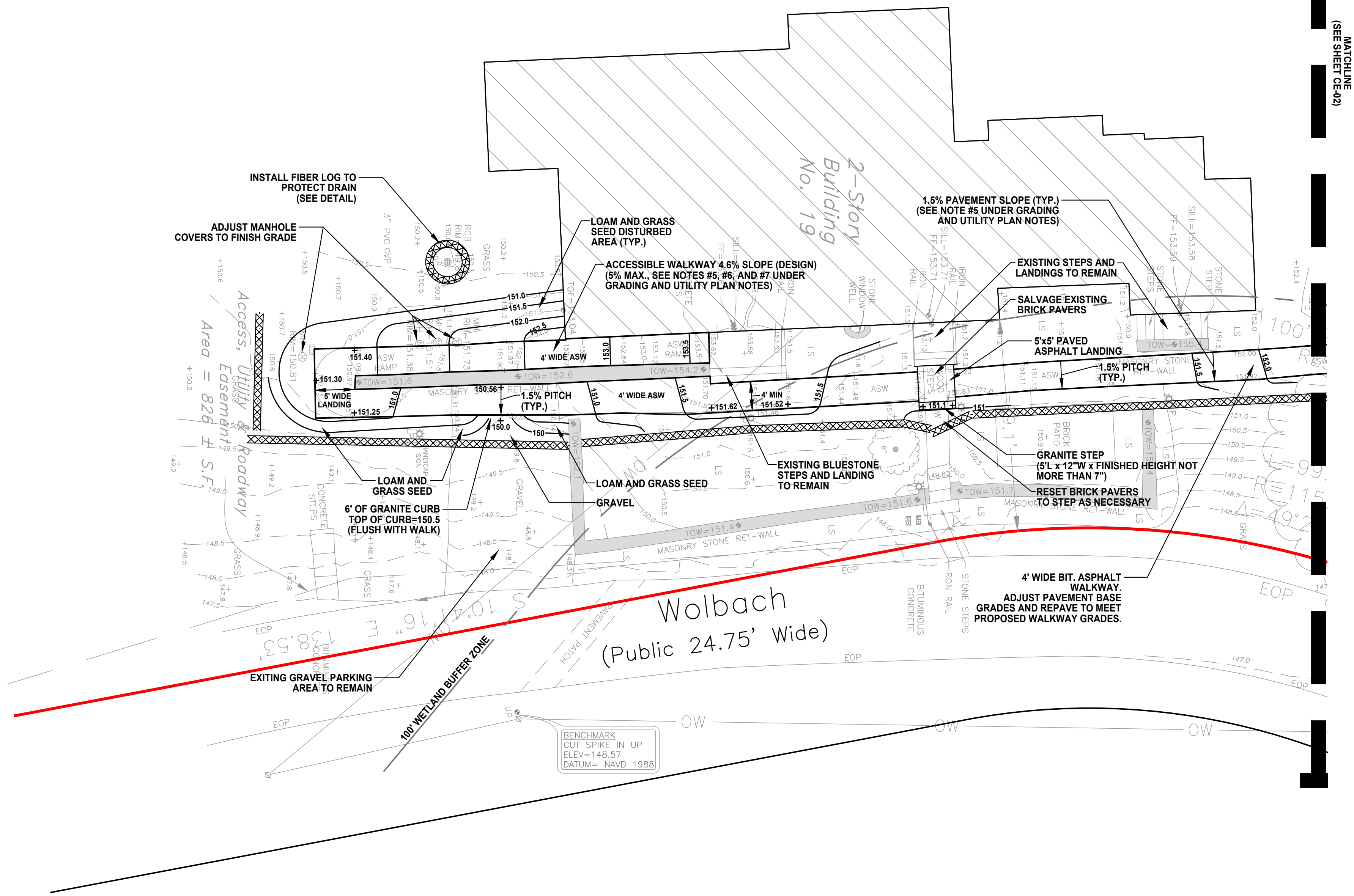
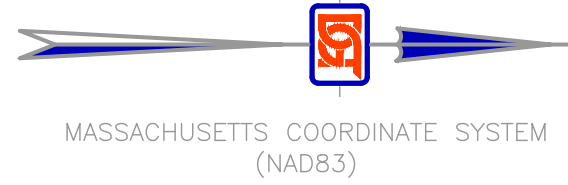
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PROPOSED SITE PLAN #1

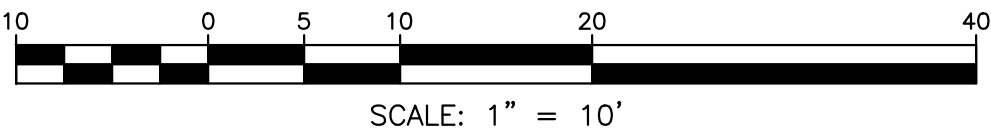
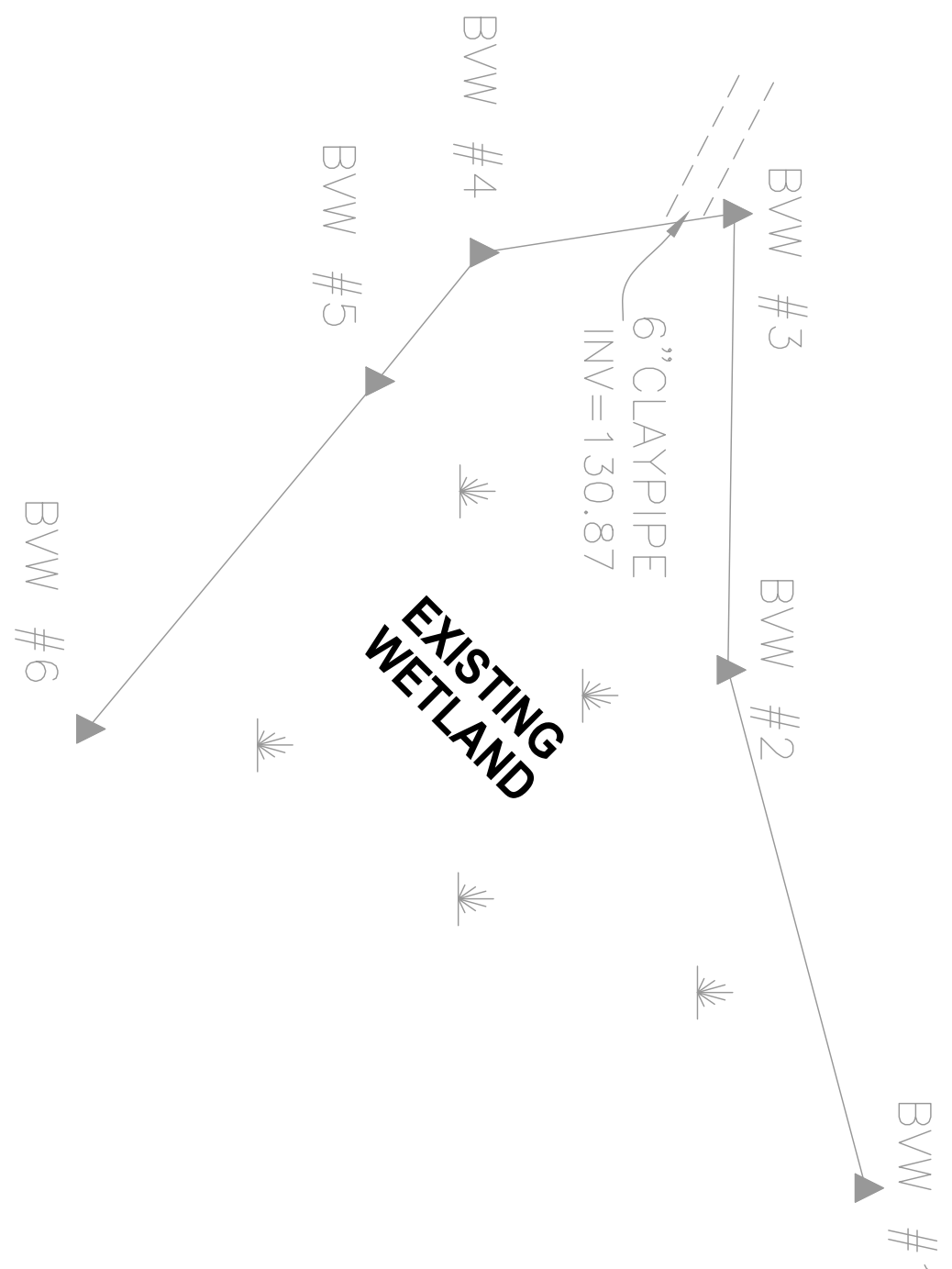
SHEET:	PROJECT NO.:
2 OF 6	25423

CE-02

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- NOTES FOR WALKWAYS:
1. THE WALKWAY IMPROVEMENTS ARE DESIGNED TO MEET A.D.A. AND MAAB REQUIREMENTS AS AN "ACCESSIBLE ROUTE."
 2. SEE GRADING AND UTILITY NOTES #5, #6, AND #7 UNDER GRADING AND UTILITY PLAN NOTES ON SHEET CE-02 FOR ADDITIONAL REQUIREMENTS
 3. REMOVE EXISTING ASPHALT PAVEMENT, ADJUST BASE GRADES AS NECESSARY AND REPAVE TO MEET PROPOSED GRADES





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2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
1	FWK	6/16/2021	PER CLIENT REQUEST
NO.	APP	DATE	DESCRIPTION

DATE: JUNE 1, 2021

SCALE: 1"=10'

DRAFTED: KMR/FJS	CHECKED: FWK	APPROVED: FWK
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PROJECT TITLE:

NEW PARKING FACILITY AND ACCESSIBILITY IMPROVEMENTS FOR SVT HEADQUARTERS AT WOLBACH FARM

18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

SHEET TITLE:

PROPOSED SITE PLAN #2

SHEET: 3 OF 6	CE-03
PROJECT NO.: 25423	

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2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
1	FWK	6/16/2021	PER CLIENT REQUEST
NO.	APP	DATE	DESCRIPTION

DATE: JUNE 1, 2021

SCALE: AS NOTED

DRAFTED:	CHECKED:	APPROVED:
KMR/FJS	FWK	FWK

PROJECT TITLE:

**NEW PARKING
FACILITY AND
ACCESSIBILITY
IMPROVEMENTS FOR
SVT HEADQUARTERS
AT WOLBACH FARM**

18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

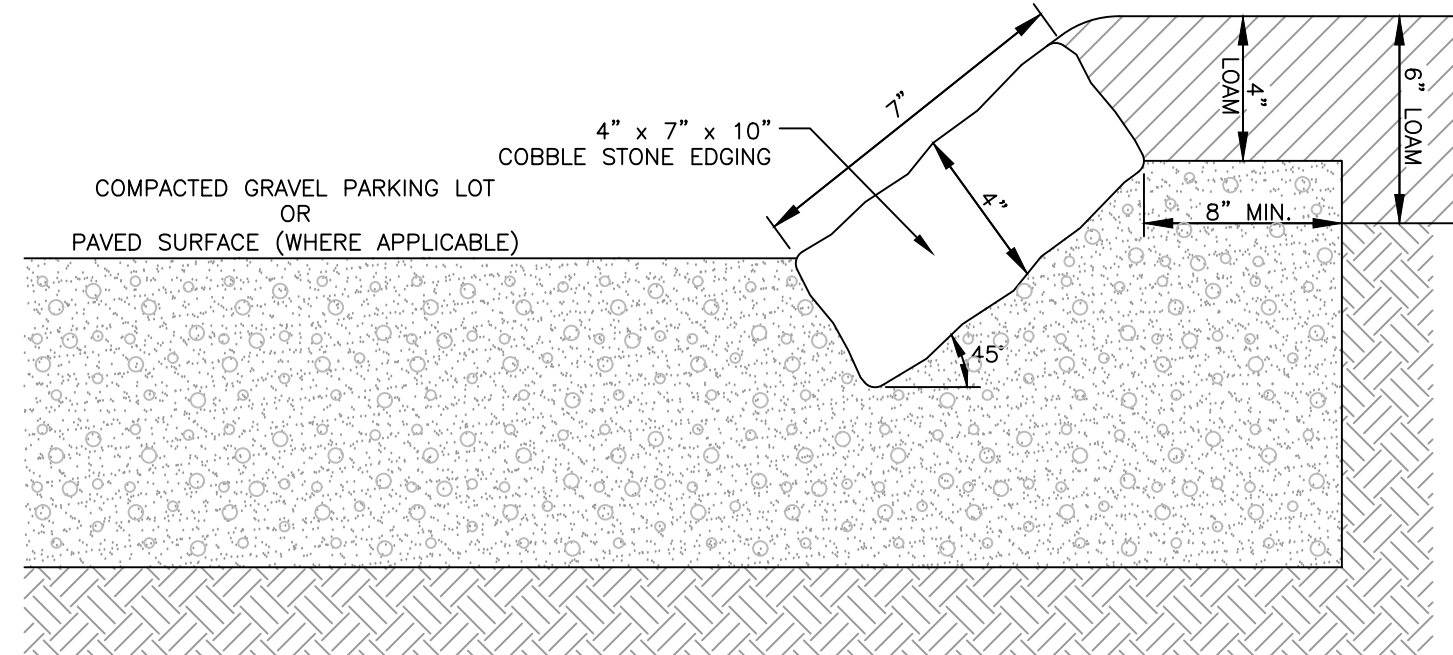
SHEET TITLE:

**SITEWORK
DETAILS #1**

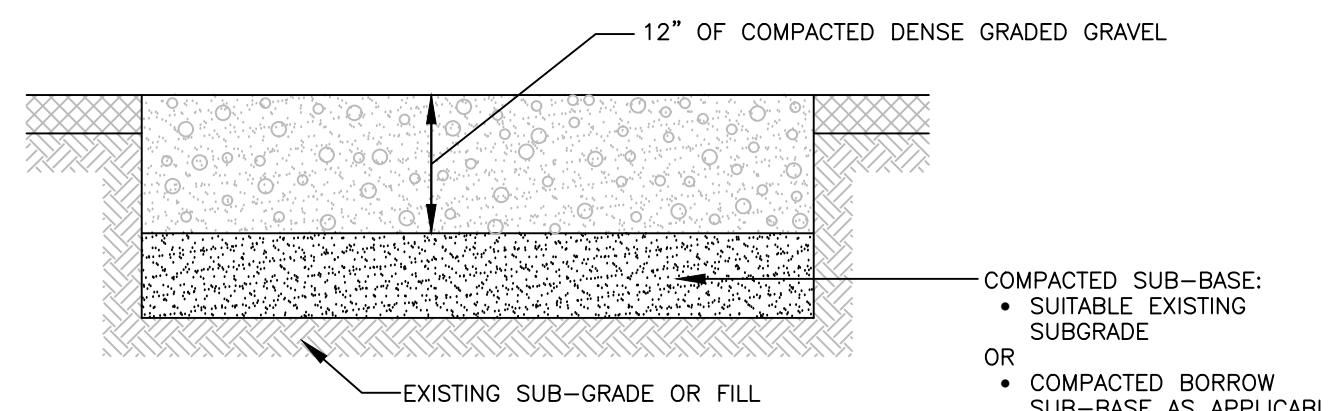
SHEET:
4 OF 6

PROJECT NO.:
25423

CE-04

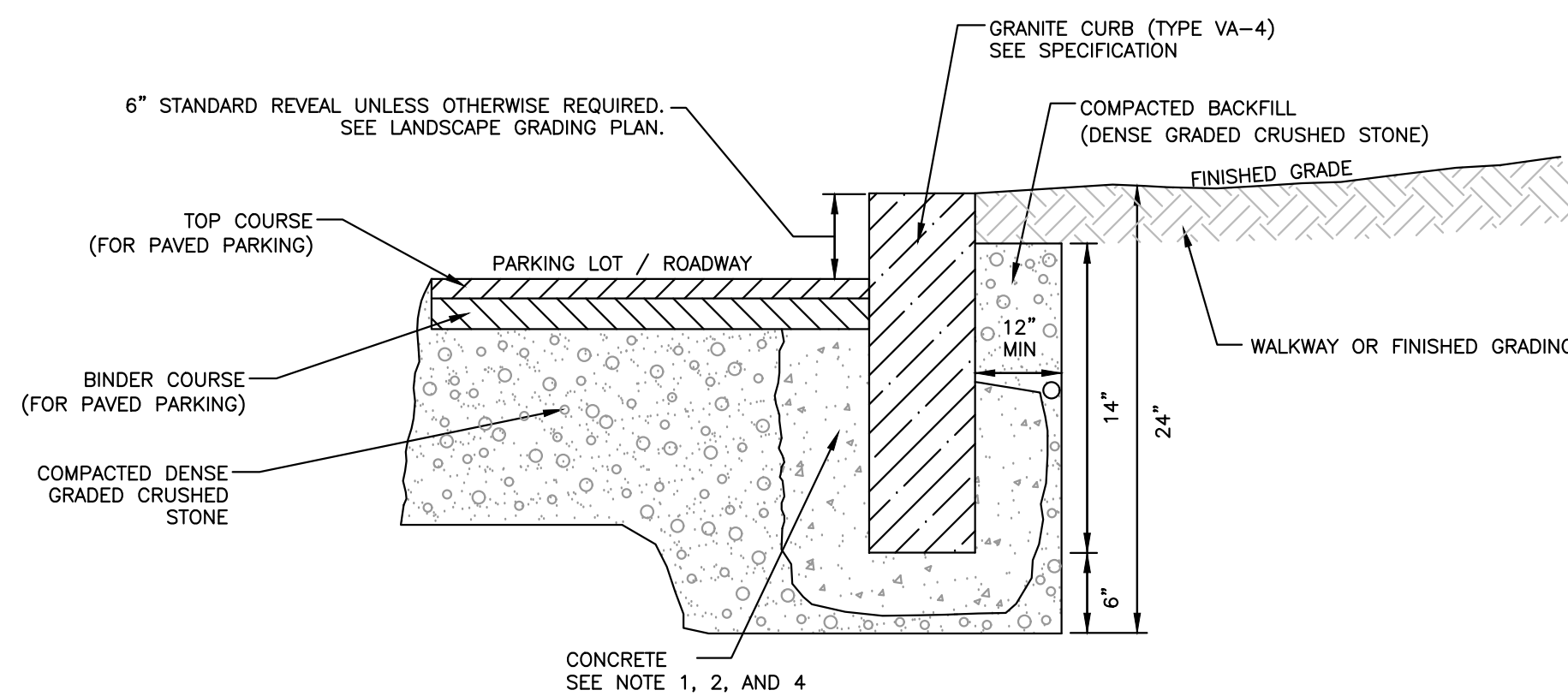


COBBLE STONE EDGING
(NO SCALE)



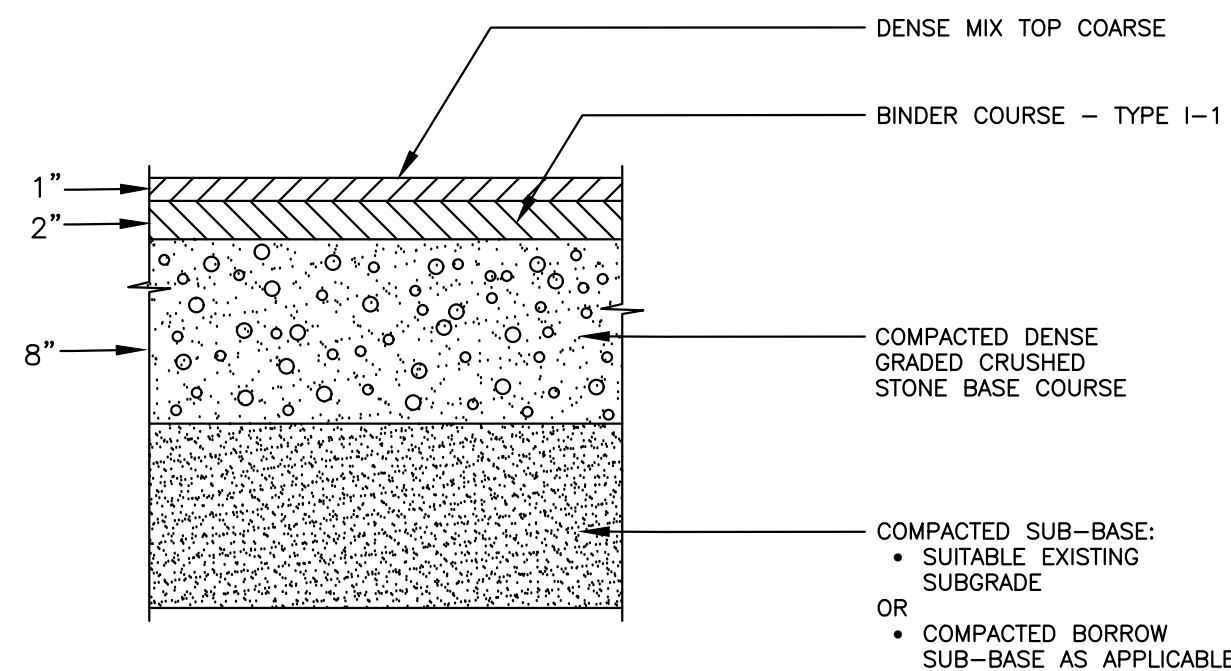
- NOTES:
- THIS DETAIL APPLIES TO THE NEW PARKING LOT AREA AT THE EXISTING FIELD OR LANDSCAPED AREAS. FOR AREA OF THE EXISTING PARKING LOT, THE EXISTING GRAVEL SURFACE IS TO REMAIN AND MINOR GRADE CHANGES SHALL BE MADE AS SHOWN ON THE PLAN.
 - DENSE GRADED GRAVEL SHALL CONSIST OF MATERIAL MEETING THE FOLLOWING:
 - DENSE GRADED CRUSHED STONE MEETING MASS DOT SPEC. M2.01.7.
 - PROCESSED (CRUSHER RUN) GRAVEL AND SAND MEETING THE SAME GRADATION AS ABOVE.
 - IN THE FIELD AND LANDSCAPED AREAS WITHIN THE LIMITS OF THE PROPOSED GRAVEL PARKING LOT, REMOVE ALL TOPSOIL AND SUBSOIL TO THE SUBGRADE ELEVATION. IF TOPSOIL OR UNSUITABLE MATERIALS EXTEND BELOW THE SUBGRADE ELEVATION, REMOVE THOSE MATERIALS, COMPACT THE SUBGRADE TO LEVEL TO FIRM AND STABLE. FILL TO THE SUBGRADE OF THE GRAVEL PARKING LOT WITH BORROW MEETING MASS DOT SPEC M1.01.0 (ORDINARY BORROW).

**GRAVEL PARKING LOT
TYPICAL SECTION**
(NO SCALE)



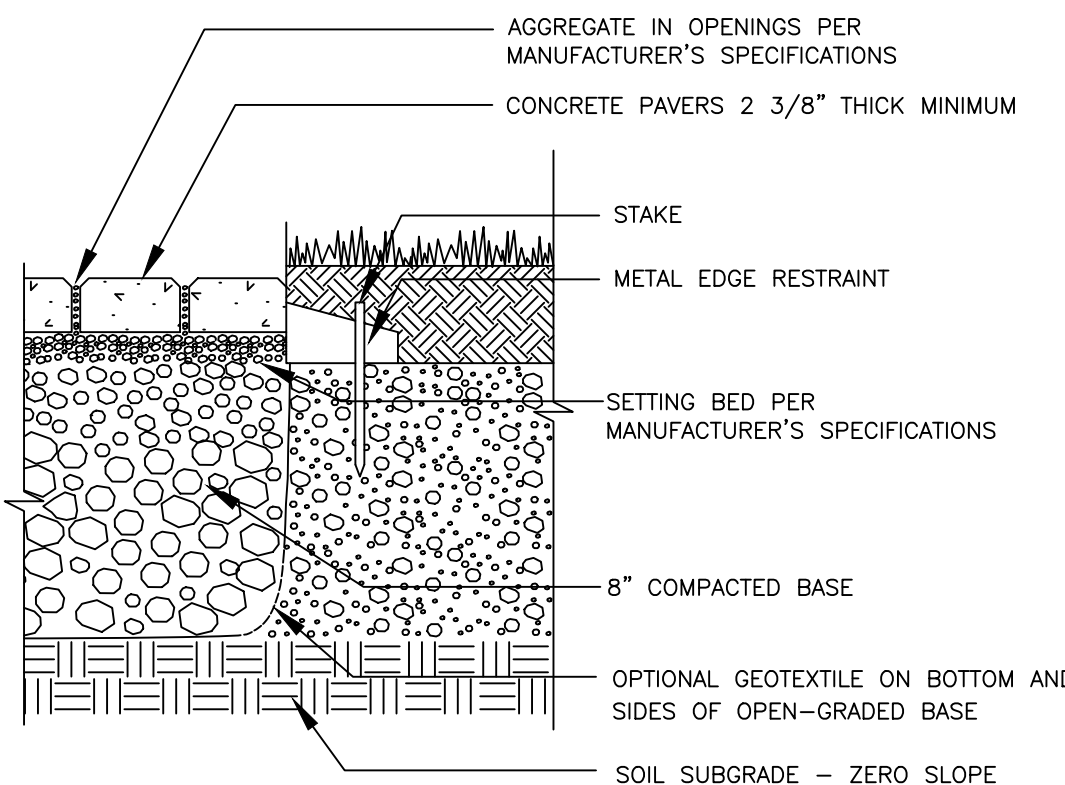
- NOTES:
- CURB INSTALLATION ALONG EXISTING ROAD PAVEMENT SHALL BE SAW CUT AND PATCHED WITH A 2" BITUMINOUS GRADE BINDER COURSE, AND TOPPED WITH A 1-1/2" WEAR COURSE OF TYPE 1". THE CUT JOINT SHALL BE THOROUGHLY SEALED WITH ASPHALT EMULSION AND SAND. TOP OF CURB SHALL BE 6" ABOVE GUTTER GRADE.
 - AT ALL LOCATIONS WHERE GRANITE CURBING IS PROPOSED, INCLUDING REPLACEMENT, THE CURB IS TO BE SET IN 6" THICK CONTINUOUS ZERO SLUMP CONCRETE.
 - GRANITE CURB INSTALLATION TO BE PER MHD SECTION 501 AND THE LATEST CITY STANDARDS.
 - CONCRETE TO BE AIR ENTRAINED CLASS D CONFORMING TO MHD M4.02.00.
 - GROUTING OF CURB JOINTS TO BE NON-SHRINK GROUTING CONFORMING TO ASTM C-827.

GRANITE CURB
(NO SCALE)



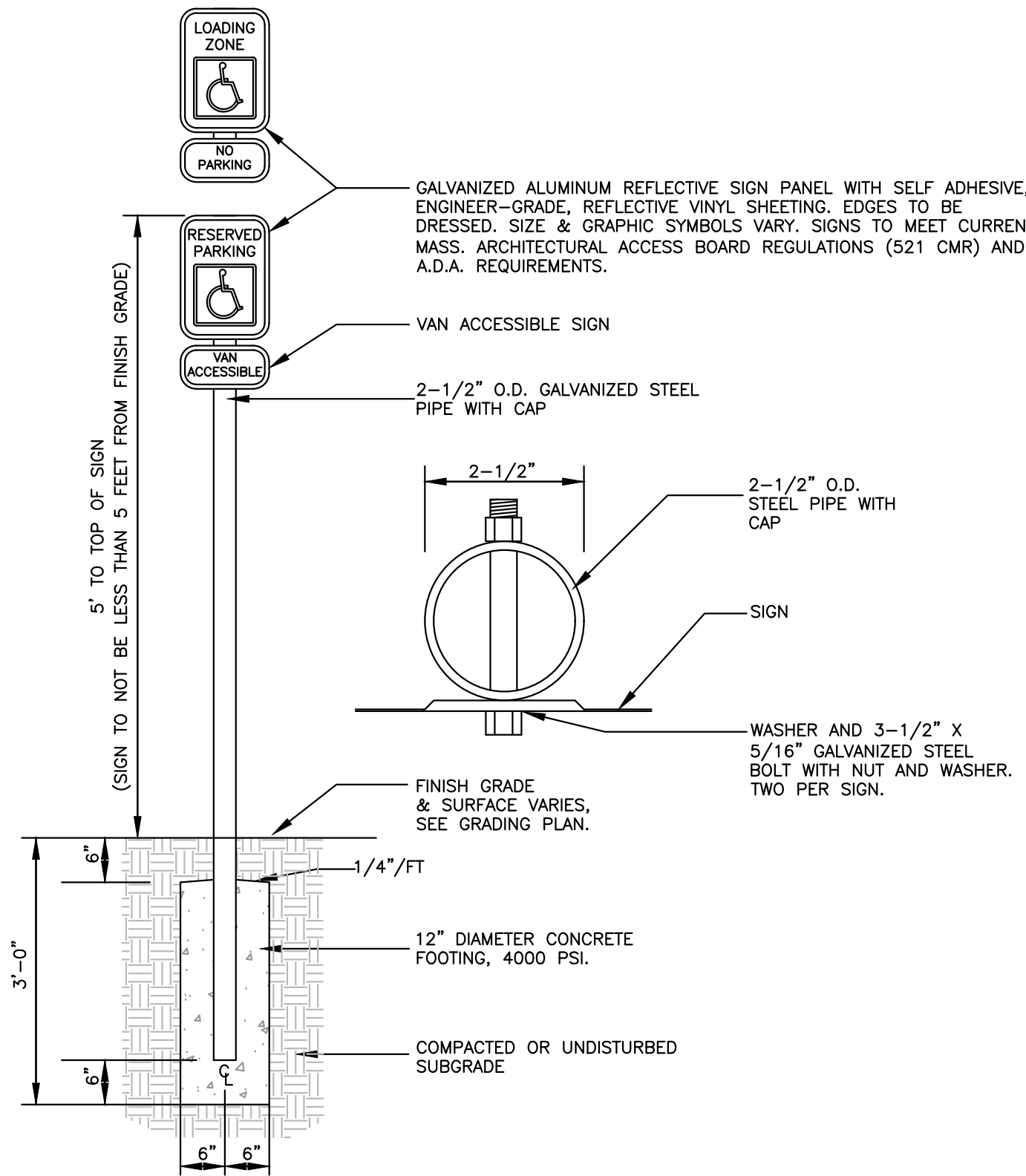
- NOTES:
- COMPACTED DENSE GRADED CRUSHED STONE BASE COURSE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 2.01.7 OR PROCESSED (CRUSHER RUN) GRAVEL AND SAND MEETING THE SAME GRADATION.
 - COMPACTED BORROW FOR SUB-BASE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 1.01.0 WITH NO STONES LARGER THAN 6 INCHES.
 - BITUMINOUS CONCRETE SHALL BE CLASS 1, TYPE 1-1.
 - AT AREAS OF LEDGE/BEDROCK, REMOVE LEDGE TO A DEPTH OF 18 INCHES MINIMUM BELOW PAVEMENT COURSE.
 - COMPACTED BASE TO EXTEND 6 INCHES MINIMUM BEYOND THE EDGE OF PAVEMENT.

**BITUMINOUS CONCRETE
PEDESTRIAN WALKWAY DETAIL**
(NO SCALE)

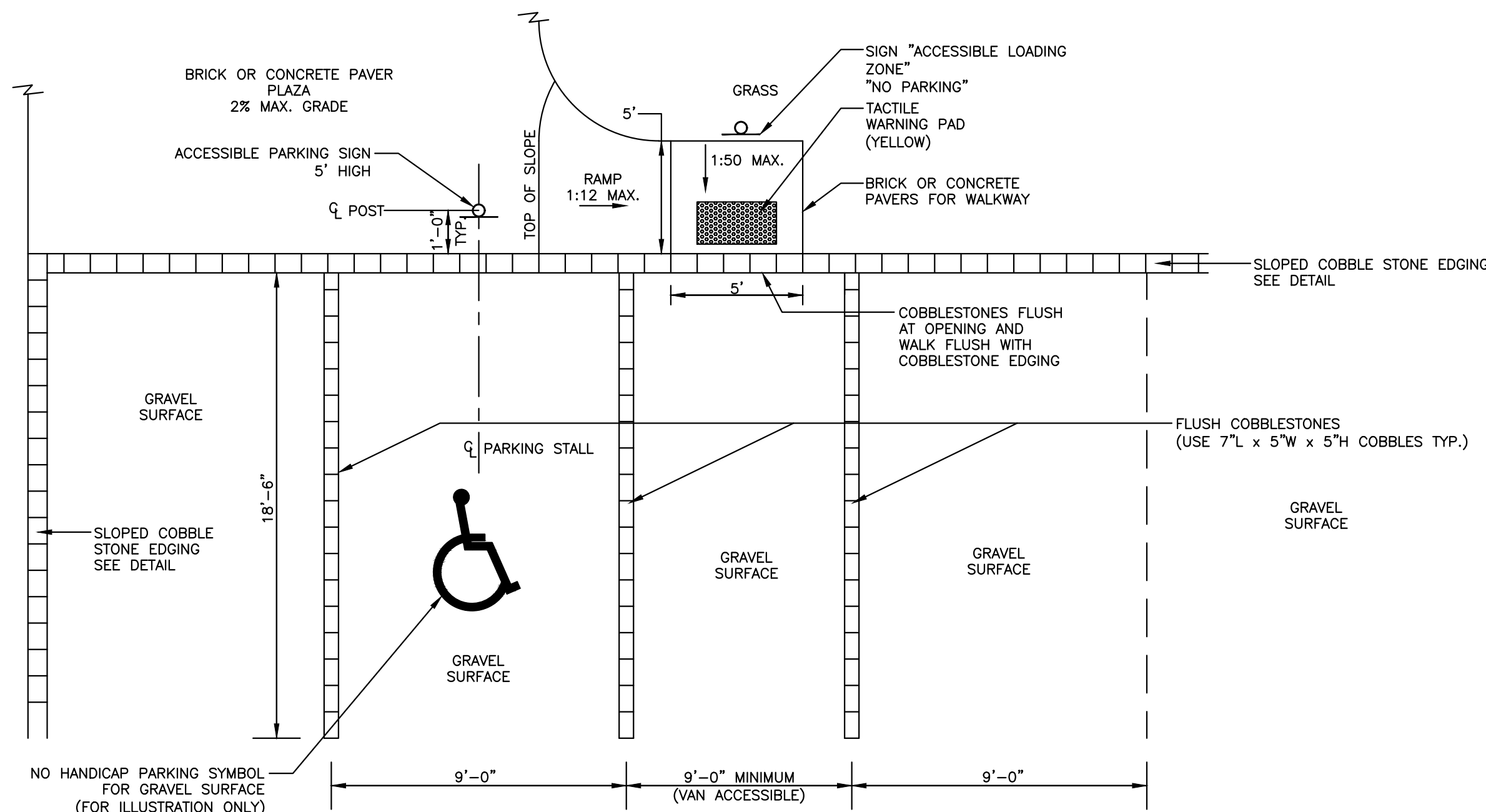


- NOTES:
- 2 3/8" (60 MM) THICK PAVERS MAY BE USED IN PEDESTRIAN APPLICATIONS.
 - OWNER TO SELECT STYLE OF PERMEABLE PAVERS
 - COMPACTED DENSE GRADED CRUSHED STONE BASE COURSE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 2.01.7 OR PROCESSED (CRUSHER RUN) GRAVEL AND SAND MEETING THE SAME GRADATION.
 - COMPACTED BORROW FOR SUB-BASE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 1.01.0 WITH NO STONES LARGER THAN 6 INCHES.
 - COMPACTED BASE TO EXTEND 6 INCHES MINIMUM BEYOND THE EDGE OF PAVEMENT.

CONCRETE OR BRICK PAVERS
(NO SCALE)

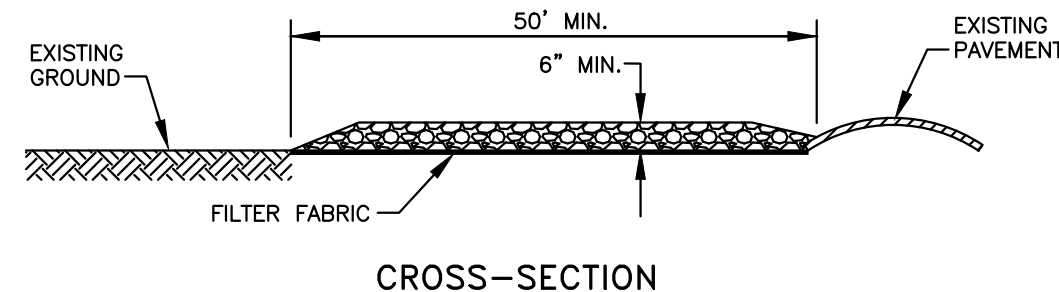
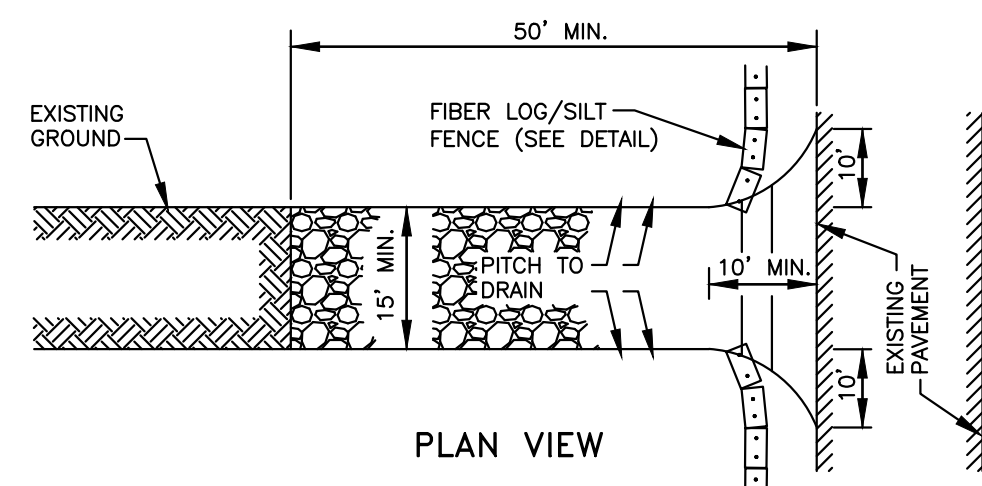


TYPICAL SIGN
(NO SCALE)



- NOTES:
- GRADES FOR PARKING SPACE AND AISLE TO MEET MAAB AND ADA REGULATIONS (MAX. 2% SLOPE IN ANY DIRECTION).

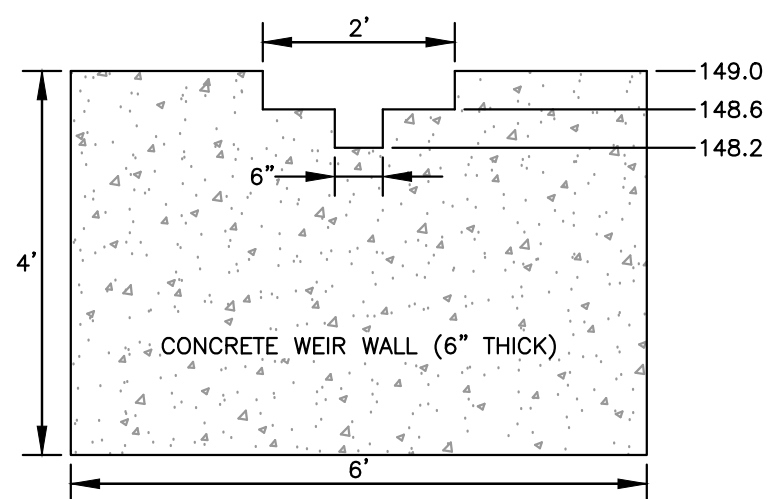
ACCESSIBLE PARKING STALL & CURB CUT
(NO SCALE)



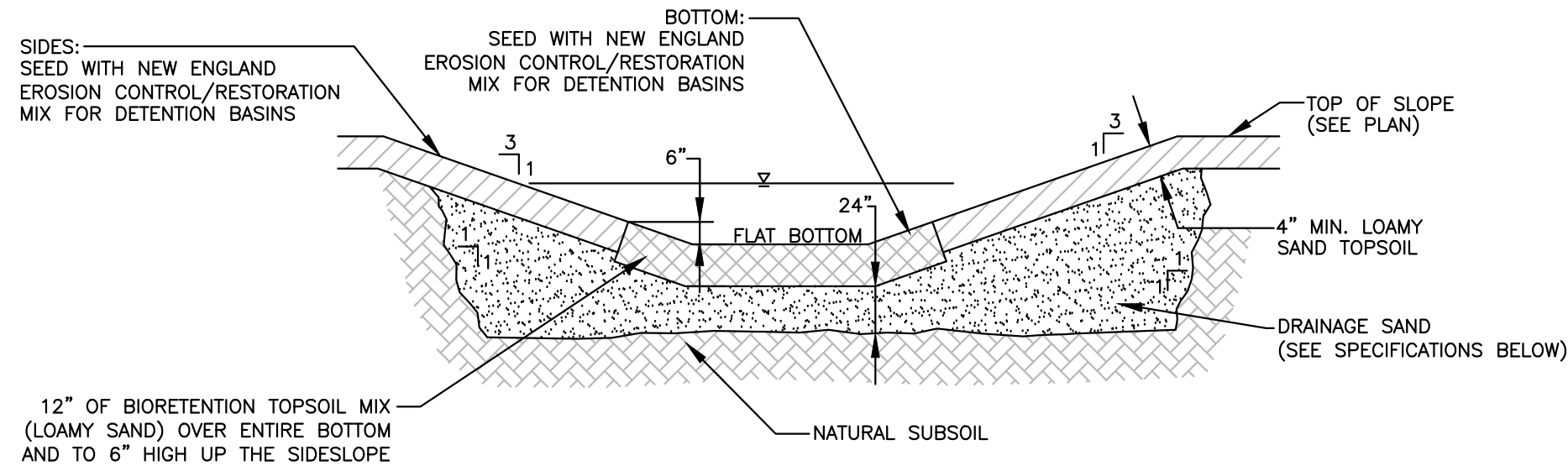
CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 2" TO 4" WASHED, ANGULAR STONE
2. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. WIDTH - FIFTEEN (15) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
4. FILTER FABRIC - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF WAY MUST BE REMOVED IMMEDIATELY.
6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
(NO SCALE)



OVERFLOW SPILLWAY WEIR WALL
(NO SCALE)

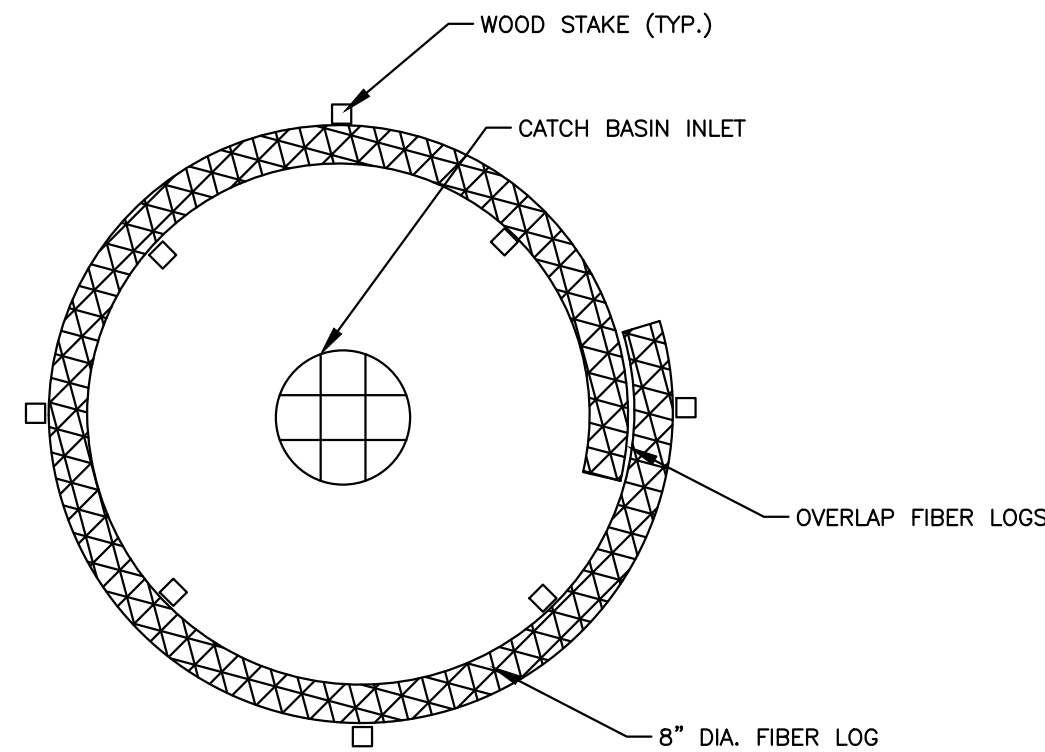


NOTES:

1. REMOVE EXISTING TOPSOIL AND SUBSOIL TO THE ELEVATION OF THE FINISHED SUBGRADE BELOW THE PROPOSED TOPSOIL. IF THE NATURAL MATERIAL MEETS THE REQUIREMENTS FOR "SAND" IN NOTE 2 BELOW, THE EXCAVATION IS NOT NECESSARY. OTHERWISE REMOVE THE UNSUITABLE SOIL TO THE DEPTHS SHOWN AND BACKFILL WITH THE MATERIAL PER NOTE 2.
2. DRAINAGE SAND SHALL CONSIST OF WELL DRAINING SOIL CONSISTING OF CLEAN SAND AND GRAVEL WITH LESS THAN 10% SILT AND CLAY WITH NOT MORE THAN 5 PERCENT CLAY. USDA TEXTURAL CLASS. ON-SITE SOIL MEETING THIS MAY BE USED.
3. BIORETENTION TOPSOIL MIX SHALL BE A MIXTURE OF SAND, TOPSOIL AND COMPOST AS FOLLOWS: 40% SAND, 20% TO 30% TOPSOIL, 30% TO 40% COMPOST (BY VOLUME).
4. OWNER MAY SELECT ADDITIONAL PLANTINGS TO BE INSTALLED WITHIN THE RAIN GARDEN.

RAIN GARDEN

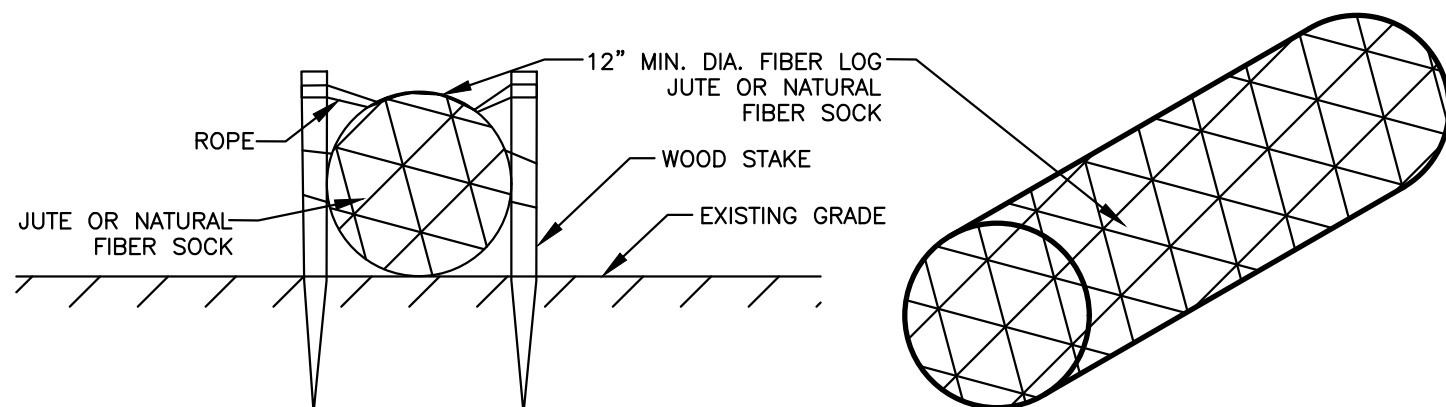
(NO SCALE)



INSTALLATION NOTES FOR FIBER LOGS:

1. SEE FIBER LOG DETAIL FOR SPECIFICATIONS

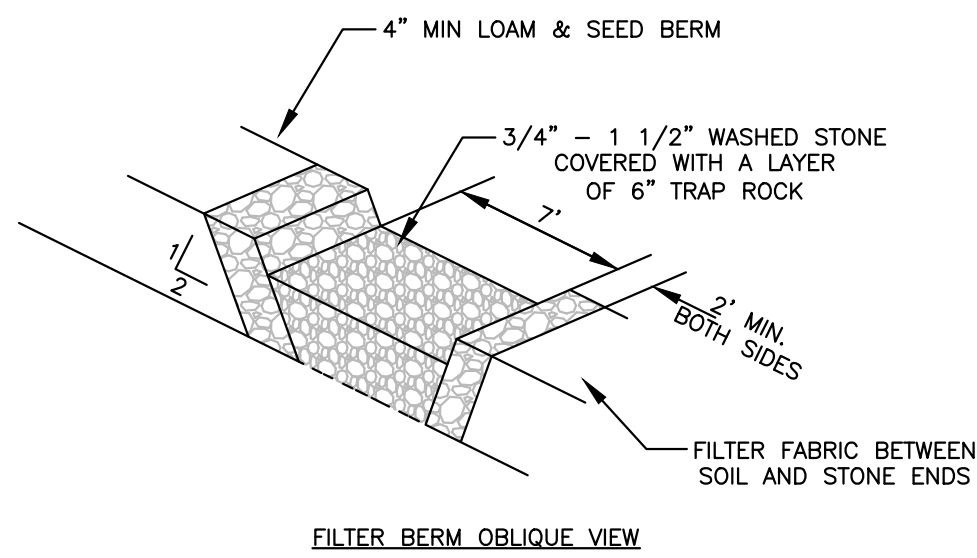
**CATCH BASIN INLET
PROTECTION WITH FIBER LOG DETAIL**
(NO SCALE)



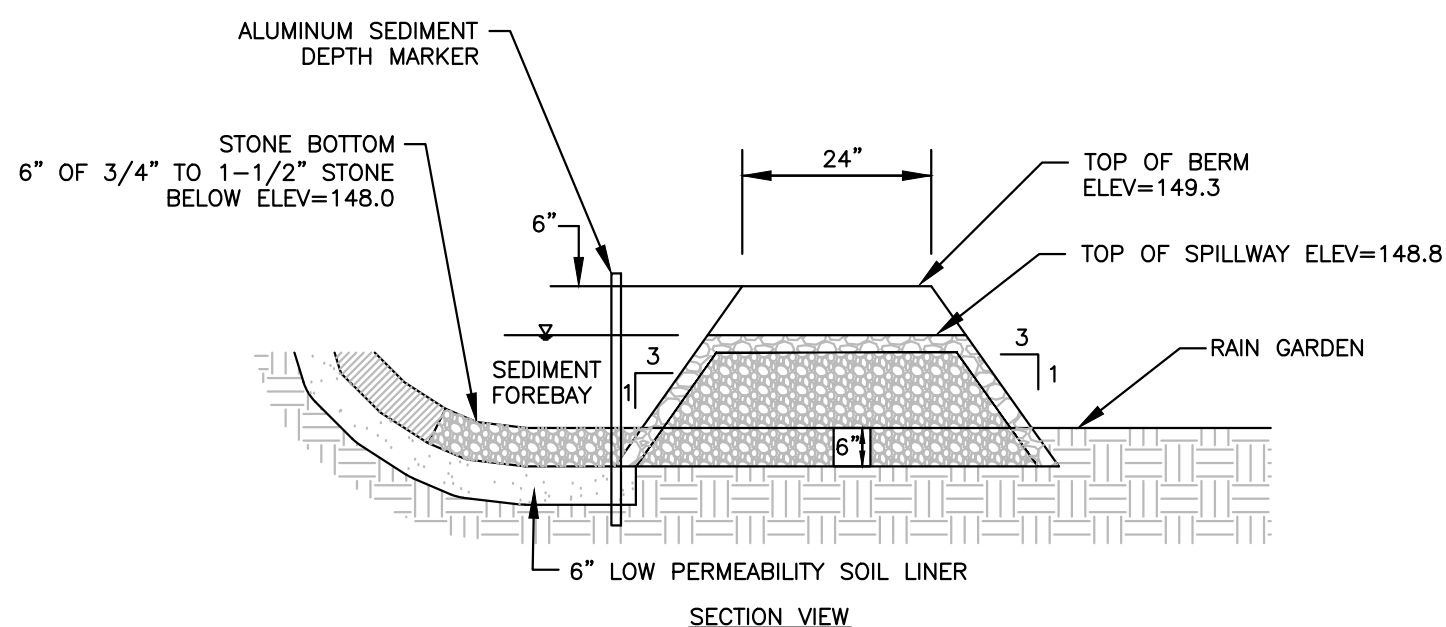
INSTALLATION NOTES FOR FIBER LOGS:

1. LAY THE FIBER LOG AT THE UPHILL BASE OF THE SILT FENCE. (WHERE APPLICABLE)
2. INSTALL APPROXIMATELY 4-6 WOOD STAKES THROUGH THE TWINE/NETTING ALONG THE FIBER LOG AS NEEDED TO HOLD THE LOG IN PLACE.
3. DRIVE THE STAKE INTO THE GROUND DEEP ENOUGH TO HOLD THE LOG.
4. IN PAVED AREAS, SECURE FIBER LOG WITH CONCRETE BLOCKS OR SAND BAGS.
5. THE FILLING OF THE FIBER LOG MAY BE SHREADED STRAW, COIR, COMPOST OR OTHER APPROVED MATERIAL.
6. FIBER LOG SHALL BE 12 INCHES (MIN) IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.

FIBER LOG
(NO SCALE)



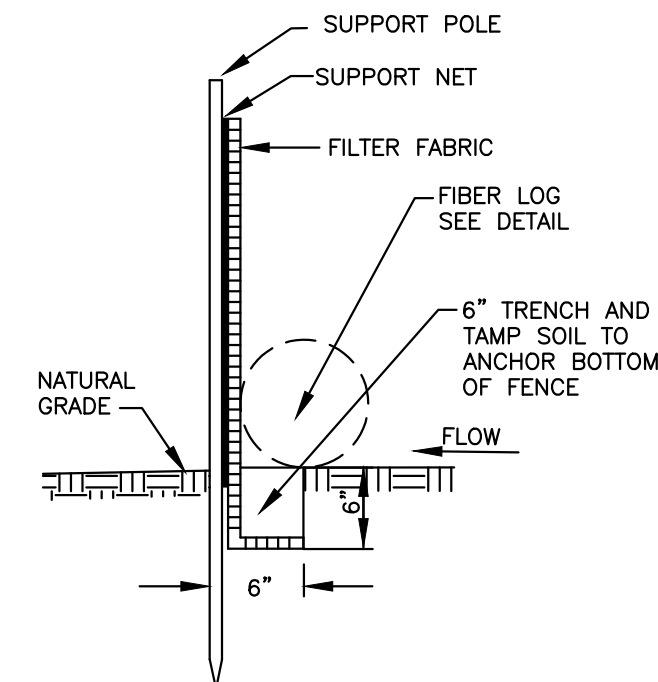
COBBLE STONE APRON SWALE



NOTE: BANK OF FOREBAY AND FILTER BERM BEYOND THE LIMITS OF STONE SHALL BE LOAMED AND SEEDED.

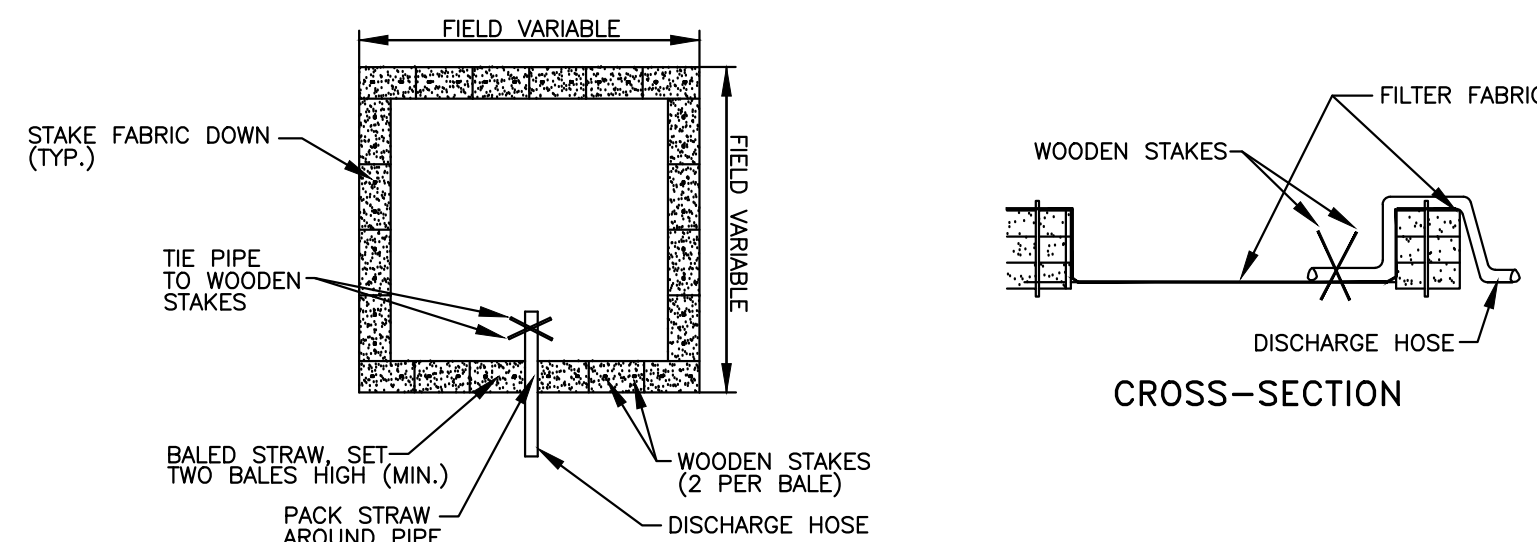
SEDIMENT FOREBAY AND FILTER BERM

(NO SCALE)



NOTE THAT SILT FENCE ONLY TO BE INSTALLED IN LOCATIONS WHERE THE STAKED FIBER LOG IS NOT SUFFICIENT TO INTERCEPT RUNOFF FLOWS.

SILT FENCE INSTALLATION
(NO SCALE)



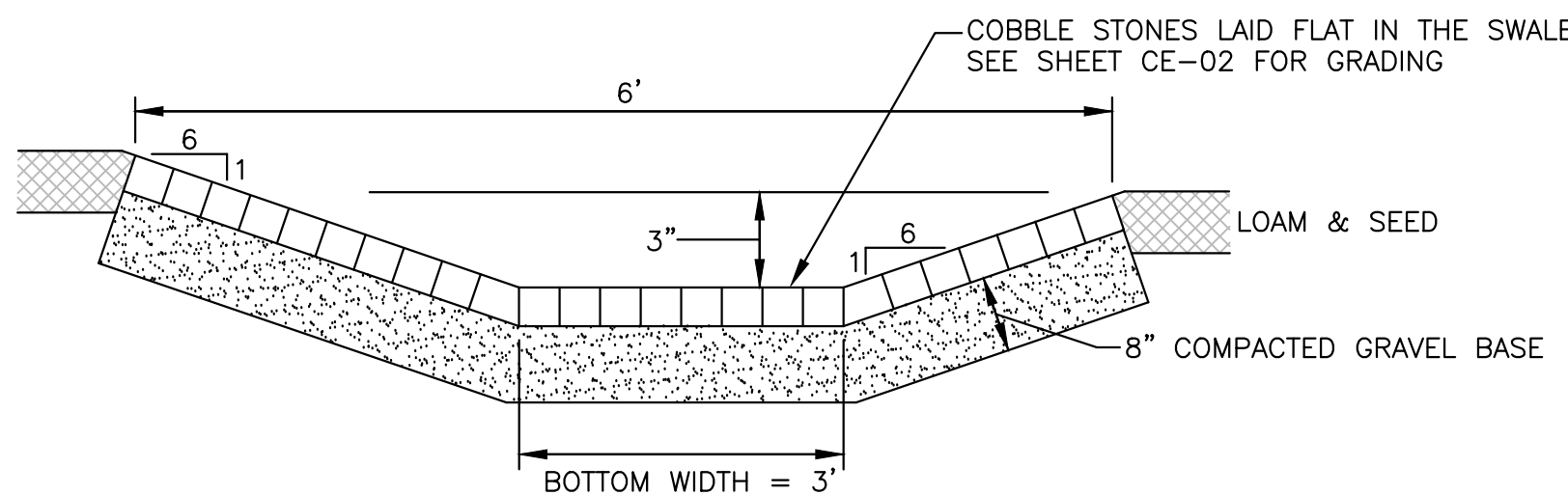
NOTE: NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS

PLAN VIEW

DEWATERING OF EXCAVATIONS NOTES:

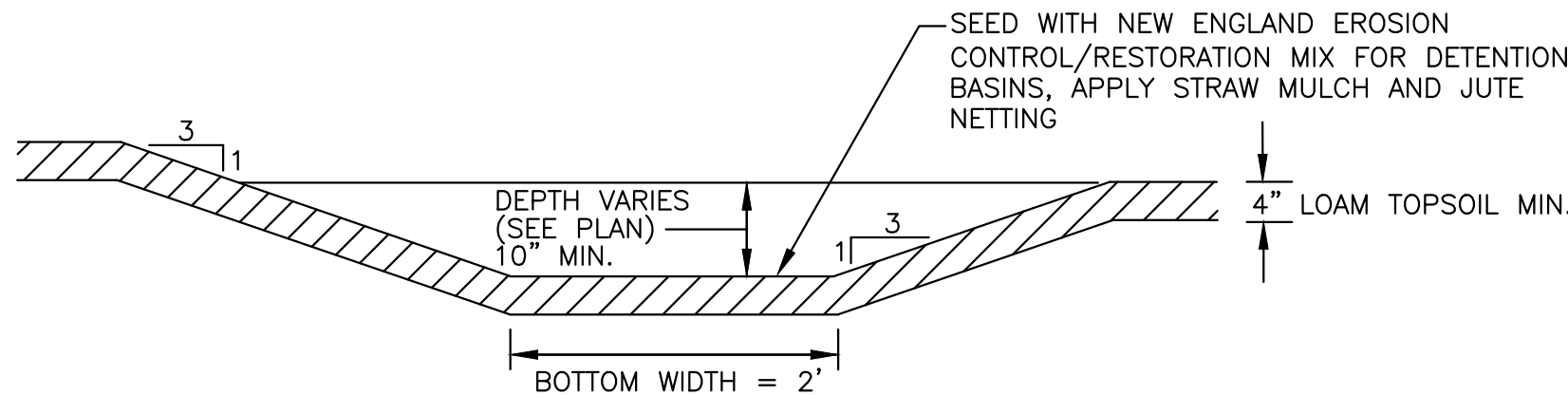
1. DISCHARGE FROM DEWATERING PUMPS OR TEMPORARY TRENCH OR EXCAVATION DRAINS SHALL NOT DISCHARGE DIRECTLY TO WETLANDS OR STORM DRAIN SYSTEMS. THE DISCHARGES SHALL BE DIRECTED INTO A CONSTRUCTED SEDIMENT BASIN OR A STRAW BALE SETTLING BASIN, STILLING BASIN, FILTER BAG, FRAC TANK OR SIMILAR DEVICE.
2. SETTLING BASINS MUST BE A MINIMUM OF 100 FEET FROM THE WETLAND RESOURCE AREAS.

STRAW BALE SETTLING BASIN DETAIL
(NO SCALE)



COBBLE STONE APRON SWALE

(NO SCALE)



GRASS SWALE

(NO SCALE)



NO.	APP	DATE	DESCRIPTION
2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
1	FWK	6/16/2021	PER CLIENT REQUEST

DATE: JUNE 1, 2021

SCALE: AS NOTED

DRAFTED: KMR/FJS CHECKED: FWK APPROVED: FWK

PROJECT TITLE:

**NEW PARKING
FACILITY AND
ACCESSIBILITY
IMPROVEMENTS FOR
SVT HEADQUARTERS
AT WOLBACH FARM**

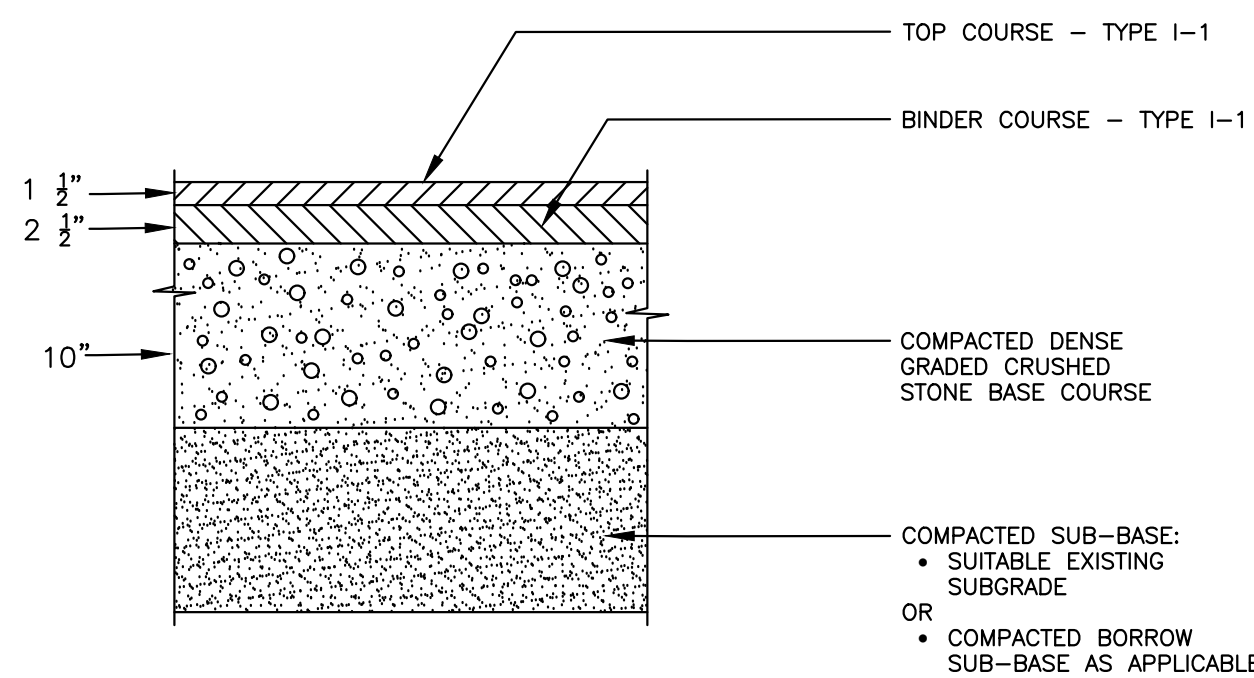
18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

SHEET TITLE:

**SITEWORK
DETAILS #2**

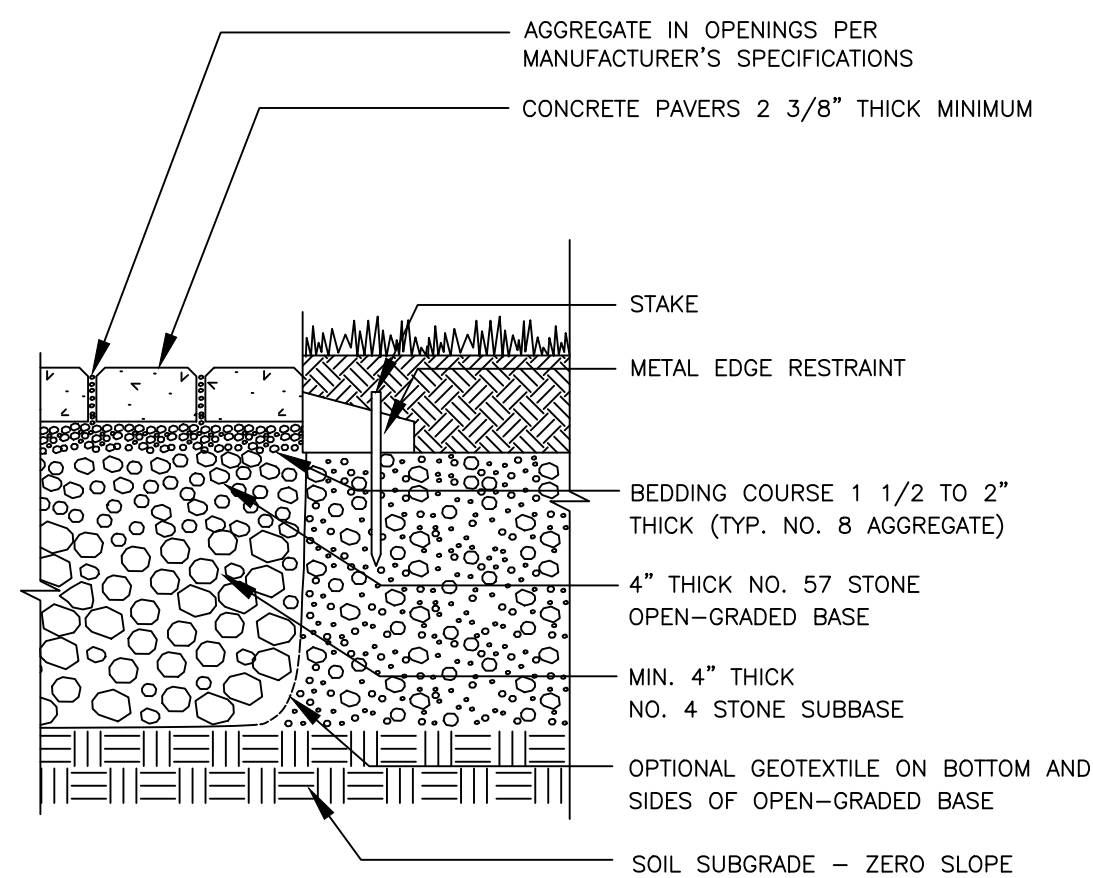
SHEET:
5 OF 6
PROJECT NO.:
25423

CE-05



- NOTES:
1. COMPACTED DENSE GRADED CRUSHED STONE BASE COURSE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 2.01.7 OR PROCESSED (CRUSHER RUN) GRAVEL AND SAND MEETING THE SAME GRADATION.
 2. COMPACTED BORROW FOR SUB-BASE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 1.01.0 WITH NO STONES LARGER THAN 6 INCHES.
 3. BITUMINOUS CONCRETE SHALL BE CLASS 1, TYPE 1-1.
 4. AT AREAS OF LEDGE/BEDROCK, REMOVE LEDGE TO A DEPTH OF 18 INCHES MINIMUM BELOW PAVEMENT COURSE.
 5. COMPACTED BASE TO EXTEND 12 INCHES MINIMUM BEYOND THE EDGE OF PAVEMENT.

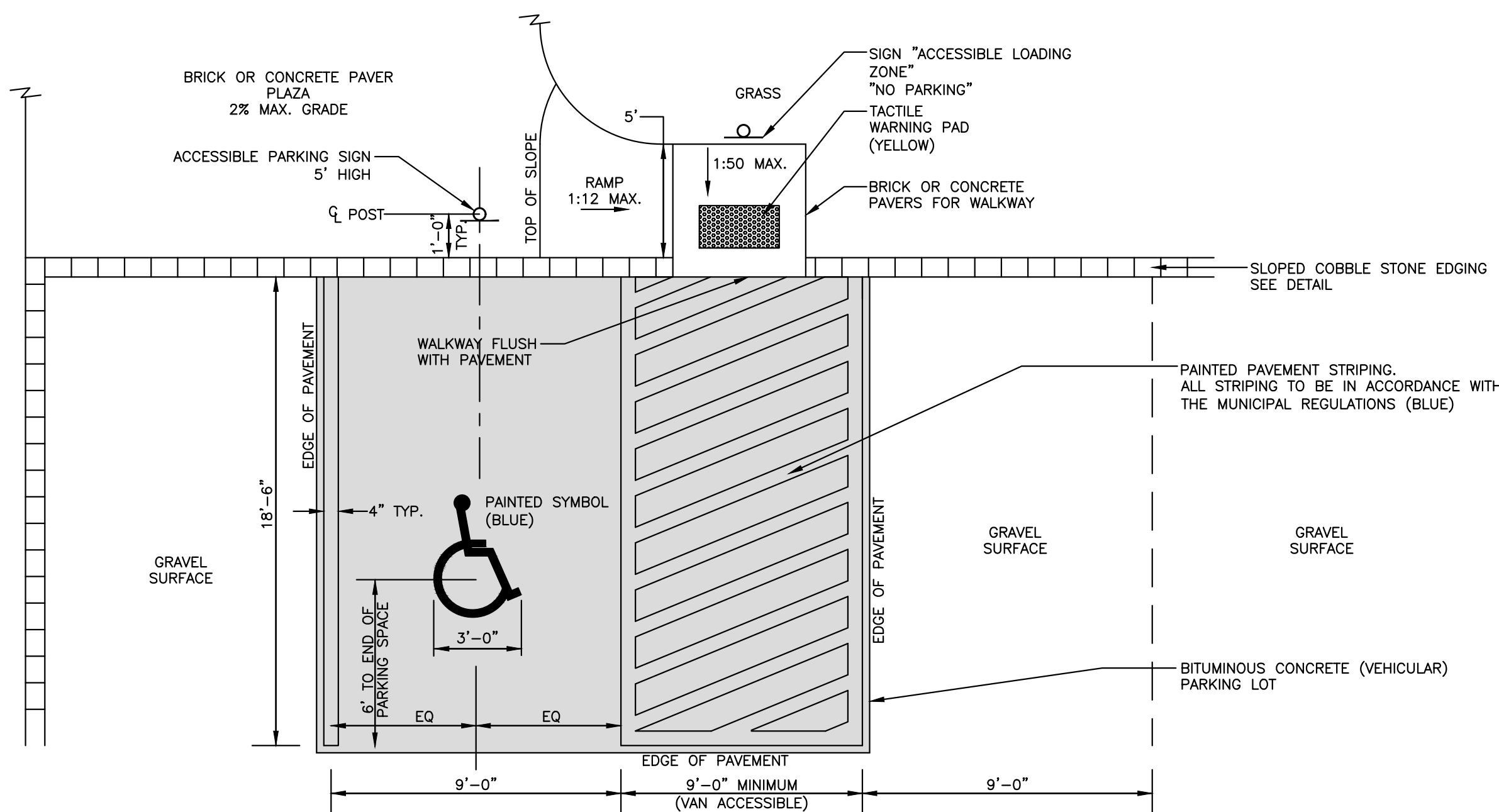
**BITUMINOUS CONCRETE
PAVEMENT DETAIL (VEHICULAR)**
(NO SCALE)
(FOR ALTERNATE 1)



- NOTES:
1. 2 3/8" (60 MM) THICK PAVERS MAY BE USED IN PEDESTRIAN APPLICATIONS.
 2. OWNER TO SELECT STYLE OF PERMEABLE PAVERS.

PERMEABLE PAVERS
(NO SCALE)
(FOR ALTERNATE 2)

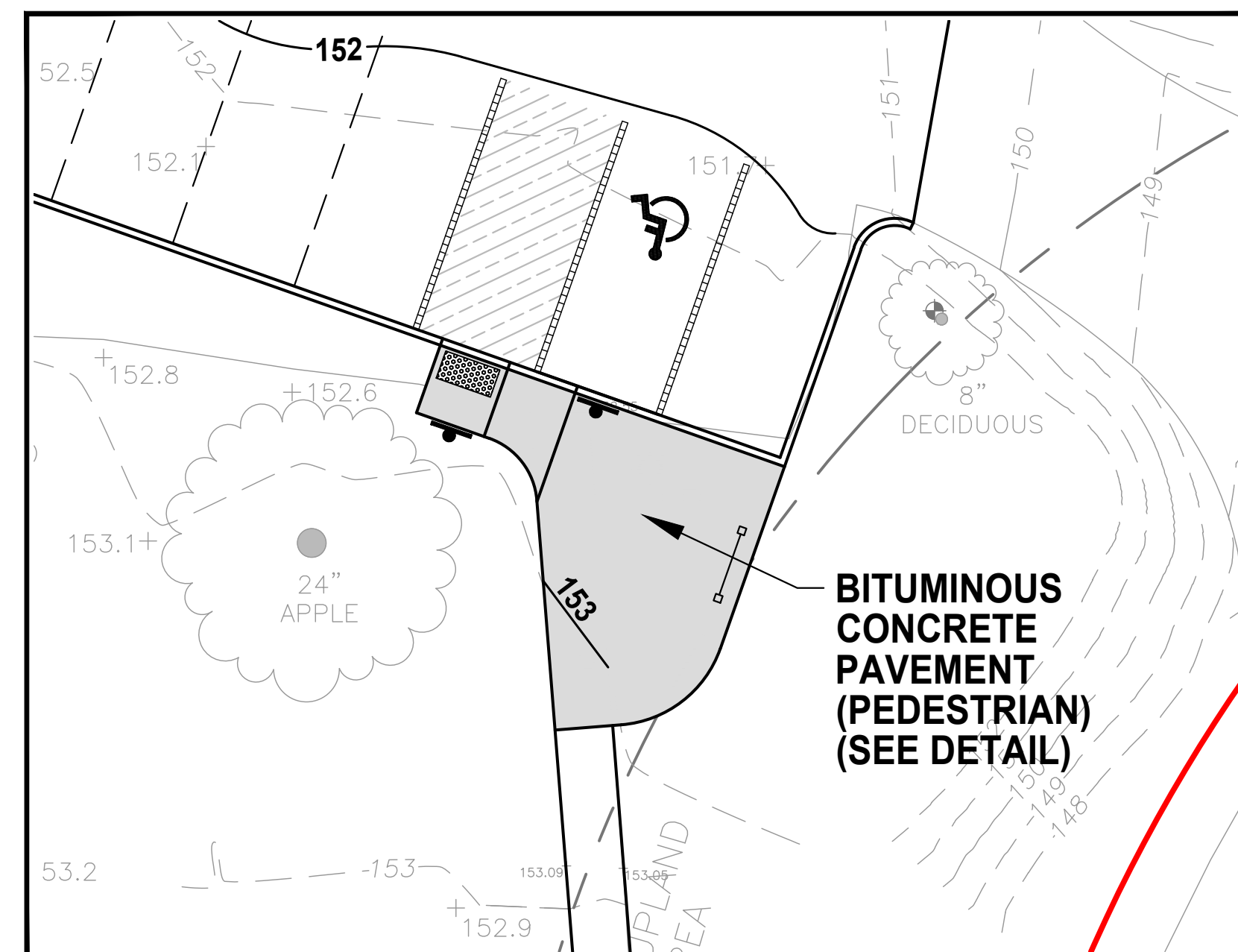
ALTERNATIVE 2 CONSISTS OF USING PERMEABLE
PAVERS AND BASE FOR THE PLAZA PAVEMENT
PER THIS DETAIL



- NOTES
1. GRADES FOR PAVED PARKING SPACE TO MEET MAAB AND ADA REGULATIONS (MAX. 2% SLOPE IN ANY DIRECTION).

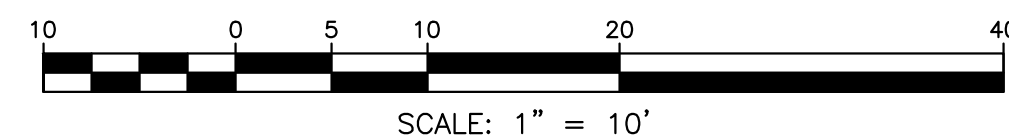
ACCESSIBLE PARKING STALL & CURB CUT
(NO SCALE)
(FOR ALTERNATE 1)

ALTERNATIVE 1 IS TO PAVE THE ACCESSIBLE
PARKING SPACE AND LOADING ZONE WITH
VEHICULAR BITUMINOUS CONCRETE PAVEMENT
AND PROVIDE STRIPING PER THESE DETAILS



ALTERNATE 3 DETAIL
SCALE: 1" = 10'

ALTERNATIVE 3 INCLUDES PAVING THE PLAZA
AREA WITH BITUMINOUS CONCRETE PAVEMENT
(PEDESTRIAN) PER THE DETAIL ON SHEET CE-04.



NO.	APP	DATE	DESCRIPTION
2	FWK	10/5/2021	EROSION CONTROL ADDITIONS
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DATE: JUNE 1, 2021

SCALE: AS NOTED

DRAFTED:	CHECKED:	APPROVED:
KMR/FJS	FWK	FWK

PROJECT TITLE:

**NEW PARKING
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AT WOLBACH FARM**

18 WOLBACH ROAD
SUDBURY, MASSACHUSETTS 01776

SHEET TITLE:

**SITEWORK
ALTERNATE DETAILS**

SHEET:
6 OF 6

PROJECT NO.:
25423

CE-06

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