

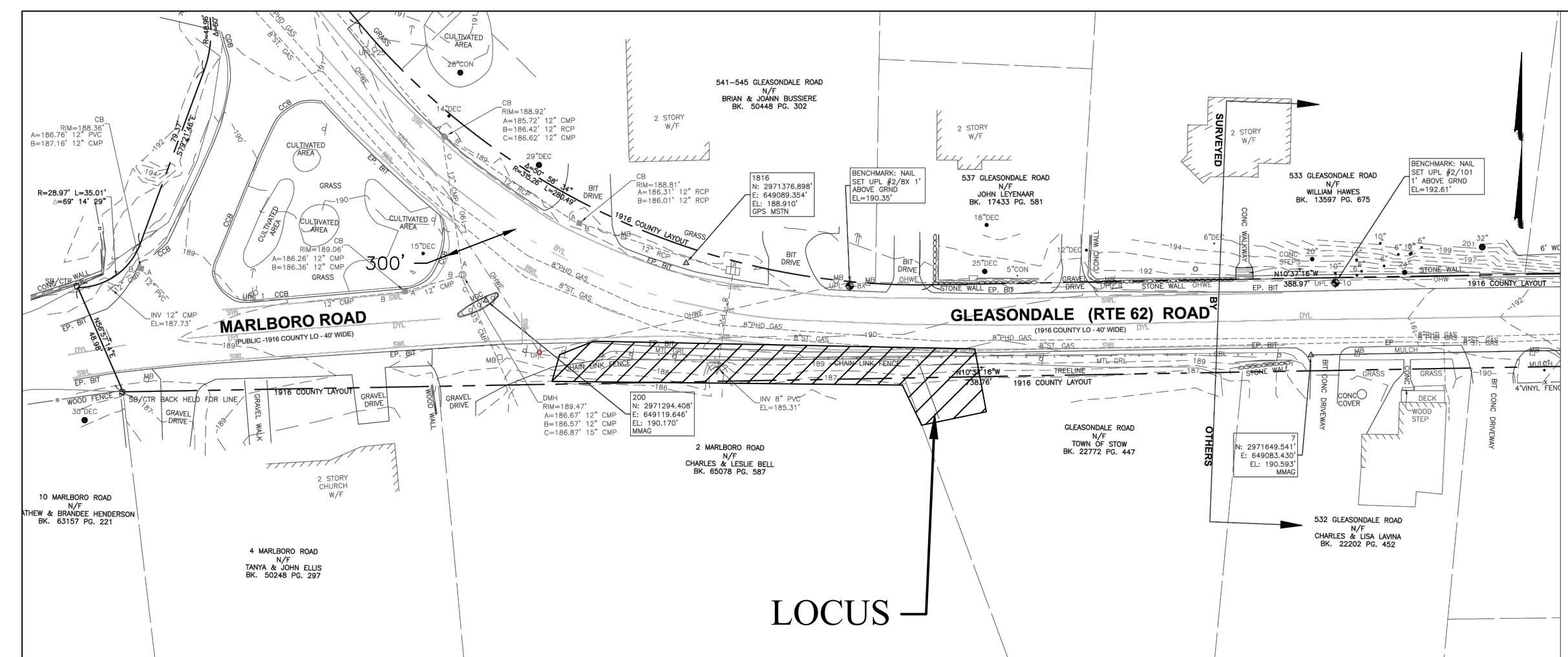
BID DOCUMENTS FOR TOWN OF STOW OFF GLEASONDALE ROAD- KANE PROPERTY ACCESS PATH

OWNER:

TOWN OF STOW
Stow Town Hall
380 Great Road
Stow, MA 01775

PLANNERS, LANDSCAPE ARCHITECT,
CIVIL ENGINEER & SURVEYOR:

Places Associates, Inc.
256 Great Road, Suite 4
Littleton, MA 01460



A-1 SURVEY BASEPLAN

LOCUS
SCALE: 1" = 500'

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**PROGRESS
PRINT
10-13-2022**

**KANE PROPERTY
ACCESS PATH**

LOCATION: OFF GLEASONDALE ROAD
TOWN: STOW, MASSACHUSETTS
PREPARED FOR:
TOWN OF STOW

SCALE: AS NOTED DATE: OCTOBER 2022

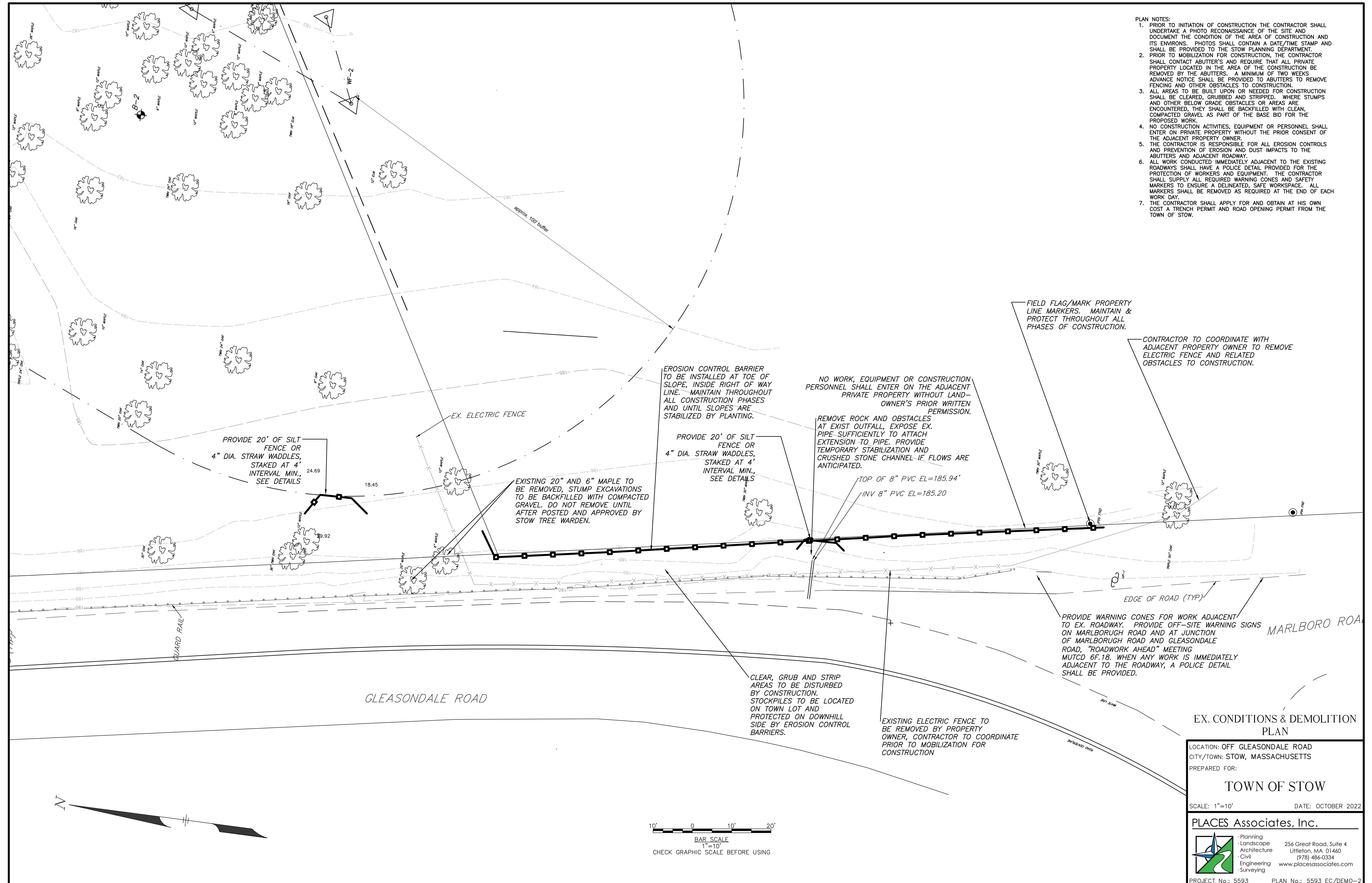
PLACES Associates, Inc.

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	· Landscape Architecture	
	· Civil Engineering	
	· Surveying	

PROJECT No.: 5593

PLAN No.: COVER

- PLAN NOTES:
1. PRIOR TO INITIATION OF CONSTRUCTION THE CONTRACTOR SHALL UNDERTAKE A PHOTO RECONNAISSANCE OF THE SITE AND DOCUMENT THE CONDITION OF THE AREA OF CONSTRUCTION AND ITS ENVIRONS. PHOTOS SHALL CONTAIN A DATE/TIME STAMP AND SHALL BE PROVIDED TO THE STOW PLANNING DEPARTMENT.
 2. PRIOR TO MOBILIZATION FOR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ABUTTER'S AND REQUIRE THAT ALL PRIVATE PROPERTY LOCATED IN THE AREA OF THE CONSTRUCTION BE REMOVED BY THE ABUTTERS. A MINIMUM OF TWO WEEKS ADVANCE NOTICE SHALL BE PROVIDED TO ABUTTERS TO REMOVE FENCING AND OTHER OBSTACLES TO CONSTRUCTION.
 3. ALL AREAS TO BE BUILT UPON OR NEEDED FOR CONSTRUCTION SHALL BE CLEARED, GRUBBED AND STRIPPED. WHERE STUMPS AND OTHER BELOW GRADE OBSTACLES OR AREAS ARE ENCOUNTERED, THEY SHALL BE BACKFILLED WITH CLEAN, COMPACTED GRAVEL AS PART OF THE BASE BID FOR THE PROPOSED WORK.
 4. NO CONSTRUCTION ACTIVITIES, EQUIPMENT OR PERSONNEL SHALL ENTER ON PRIVATE PROPERTY WITHOUT THE PRIOR CONSENT OF THE ADJACENT PROPERTY OWNER.
 5. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROLS AND PREVENTION OF EROSION AND DUST IMPACTS TO THE ABUTTERS AND ADJACENT ROADWAY.
 6. ALL WORK CONDUCTED IMMEDIATELY ADJACENT TO THE EXISTING ROADWAYS SHALL HAVE A POLICE DETAIL PROVIDED FOR THE PROTECTION OF WORKERS AND EQUIPMENT. THE CONTRACTOR SHALL SUPPLY ALL REQUIRED WARNING CONES AND SAFETY MARKERS TO ENSURE A DELINEATED, SAFE WORKSPACE. ALL MARKERS SHALL BE REMOVED AS REQUIRED AT THE END OF EACH WORK DAY.
 7. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN AT HIS OWN COST A TRENCH PERMIT AND ROAD OPENING PERMIT FROM THE TOWN OF STOW.



EX. CONDITIONS & DEMOLITION PLAN

LOCATION: OFF GLEASONDALE ROAD
 CITY/TOWN: STOW, MASSACHUSETTS

PREPARED FOR:
TOWN OF STOW

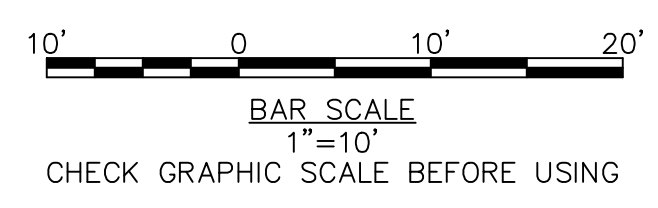
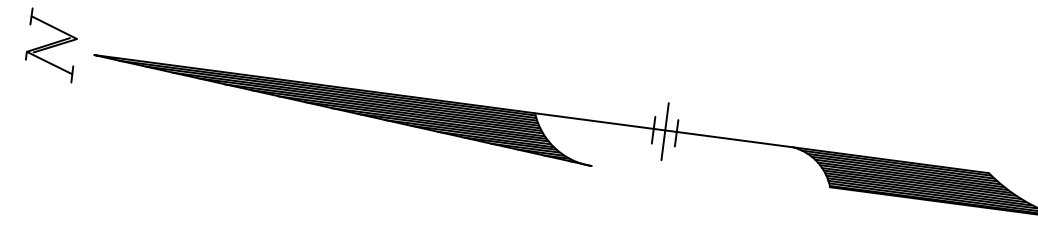
SCALE: 1"=10' DATE: OCTOBER 2022

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PROJECT No.: 5593 PLAN No.: 5593 EC/DEMO-2



GENERAL NOTES:

- LOCATIONS OF EXISTING UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS SHOWN HEREON ARE APPROXIMATE ONLY. ALL UTILITIES/OBSTRUCTIONS/SYSTEMS MAY NOT BE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS, WHETHER OR NOT SHOWN HEREON.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REMOVAL HEREON. DAMAGED IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THEIR RESPECTIVE OWNERS.
-
- ANY INTENDED REVISION OF THE HORIZONTAL AND/OR VERTICAL LOCATION OF IMPROVEMENTS TO BE CONSTRUCTED AS SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
- RIM ELEVATIONS SHOWN FOR NEW STRUCTURES ARE APPROXIMATE AND ARE PROVIDED TO ASSIST CONTRACTOR WITH MATERIAL TAKEOFFS. FINISH RIM ELEVATIONS SHOULD MATCH PAVEMENT, GRADING OR LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND RELATIVE ELEVATION OF BENCH MARKS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- SILT FENCE SHOWN HEREON SHALL BE INSTALLED BEFORE EARTH DISTURBANCE OCCURS WITHIN THE BUFFER ZONE, AND SHALL SERVE AS THE LIMIT OF WORK.

REGULATORY NOTES:

- CONTRACTOR SHALL CONTACT DIG-SAFE FOR UNDERGROUND UTILITY MARKING AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL MAKE HIMSELF AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS, AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.

GRADING & DRAINAGE:

- SEE SHEET C-1 FOR LEGEND AND ADDITIONAL NOTES AND INFORMATION.
- SEE SHEET C-2 FOR BASIC SITE INFORMATION.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, EXISTING PIPES AND STRUCTURES, INCLUDING BUT NOT LIMITED TO CATCH BASINS, TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- IF ANY STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUDED OR SEALED AS IS REQUIRED HEREIN TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- PRIOR TO THE INITIATION OF ANY SITE EXPLORATION, GRADING OR CONSTRUCTION THAT MAY CREATE UNSTABLE SURFACES, AN EROSION CONTROL BARRIER SHALL BE ERECTED IN THE LOCATIONS DEPICTED IN THIS PLAN SET.
- ALL PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.
- SPOT GRADES ARE TO BE BLENDED IN A UNIFORM MANNER TO THE ADJACENT SPOT GRADE OR CONTOUR.
- ALL DISTURBED SURFACES ARE TO BE STABILIZED BY THE CONSTRUCTION OF A HARD DURABLE SURFACE (STONE DUST), BY LOAM AND SEED, OR AS OTHERWISE SHOWN.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- ALL AREAS INDICATED AS PADS SHALL BE CONCRETE, SEE DETAIL.
- ALL SLOPES OF 3:1 (HORZ. TO VERT.) OR STEEPER ARE TO BE CONSIDERED "STABILIZED SLOPES" AND SHALL HAVE EROSION CONTROL NETTING INSTALLED. SEE SPECIFICATION SECTION, SLOPE STABILIZATION FABRIC.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM PROPOSED PATH FOR ALL NATURAL AND PAVED AREAS.
- ACCESSIBLE ROUTES SHALL HAVE NO CROSS SLOPE GREATER THAN 2% IN ANY DIRECTION AND NO GREATER THAN 5% ALONG THE PATH OF TRAVEL. MEASUREMENTS SHALL BE MADE WITH A TWO FEET LONG "SMART LEVEL" AFTER CONSTRUCTION. SEE REQUIREMENTS OF MASS. ARCHITECTURAL ACCESS BOARD (521 CMR)

SITE NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL TOWN REGULATIONS, CODES AND O.S.H.A STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION FEES REQUIRED TO CARRY OUT THE WORK INCLUDING BUT NOT LIMITED TO DEMOLITION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITY SERVICES DESIGNATED ON THESE DRAWINGS.
- THE AREA OR AREAS OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL AS DETERMINED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
- ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES (4") MINIMUM OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH THE TOWN'S GOVERNING AUTHORITY'S SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARKS AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUND BREAK.
- FINISH WALK AND CURB ELEVATIONS VARY FROM FLUSH TO A MAXIMUM OF 6" ABOVE FINISH GRADE.

EXISTING CONDITIONS & DEMO:

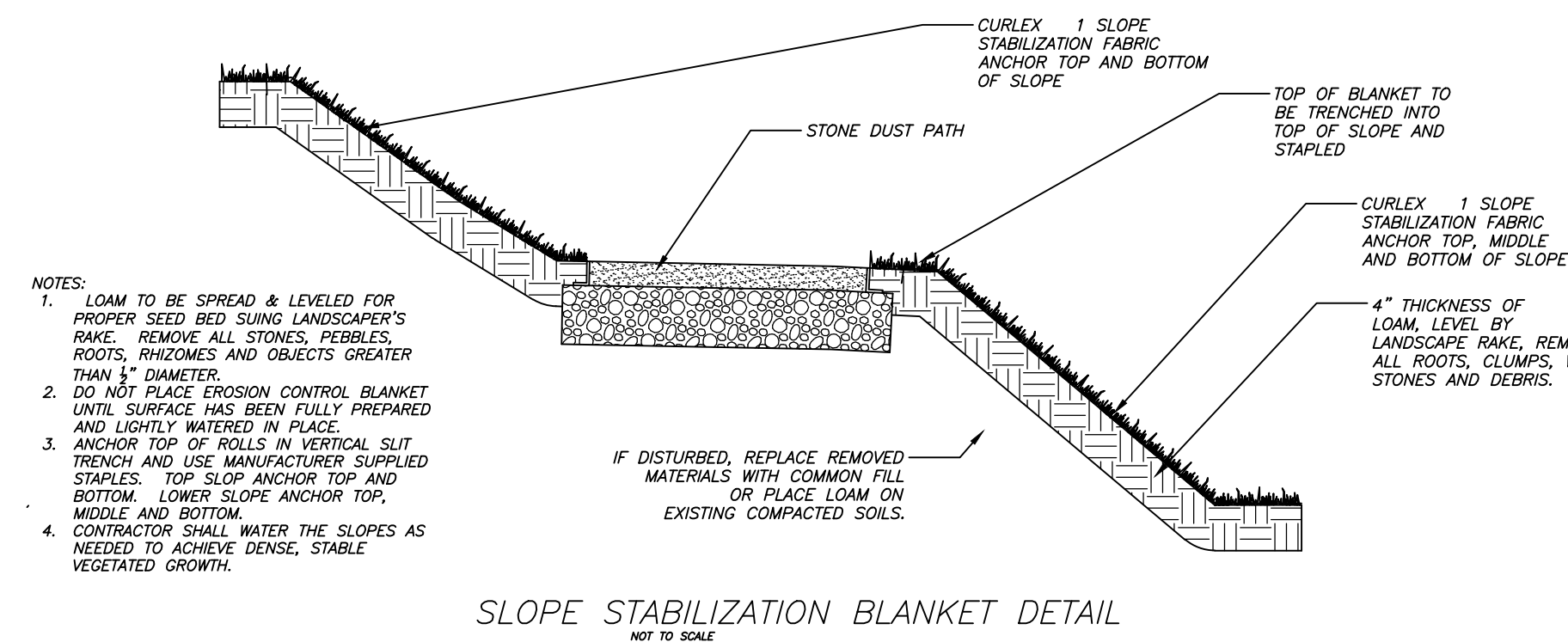
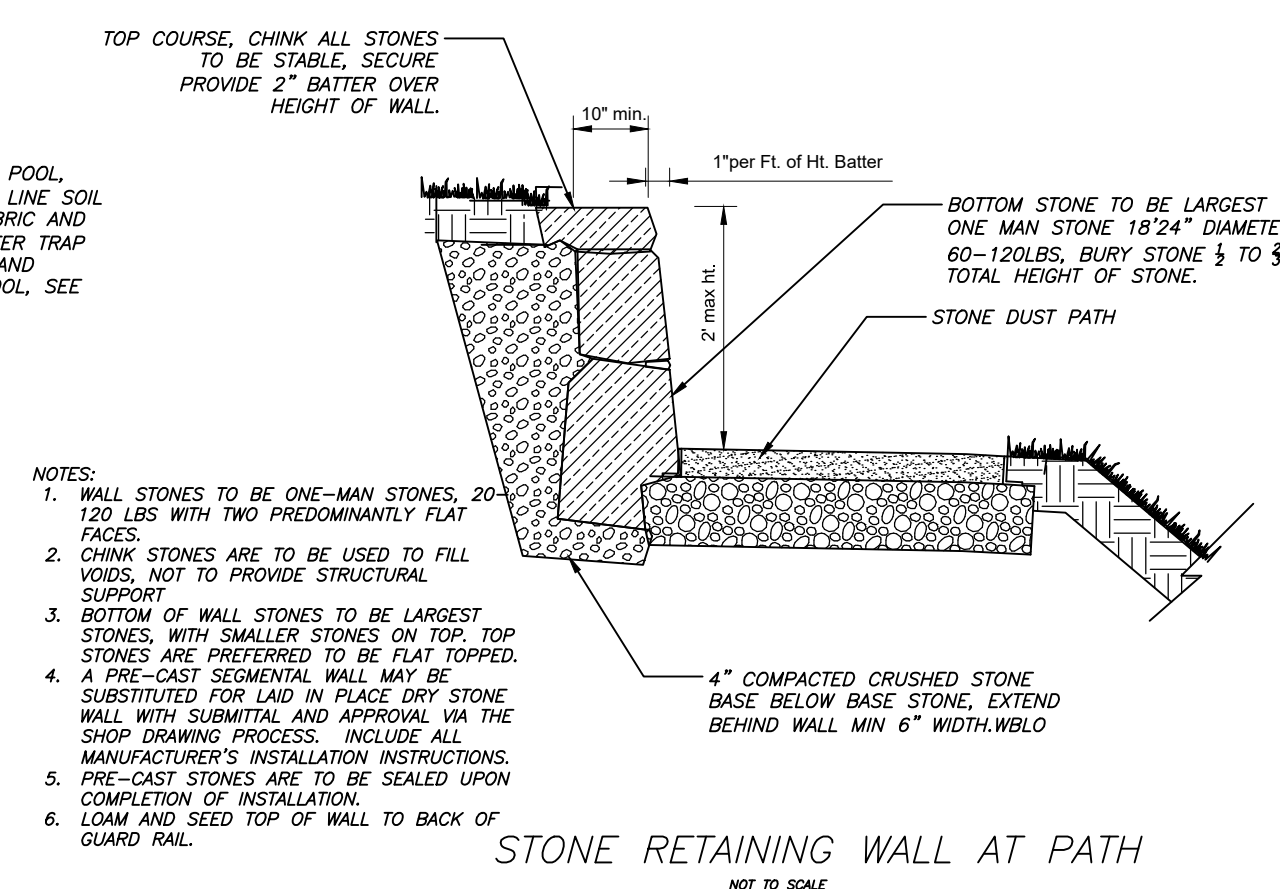
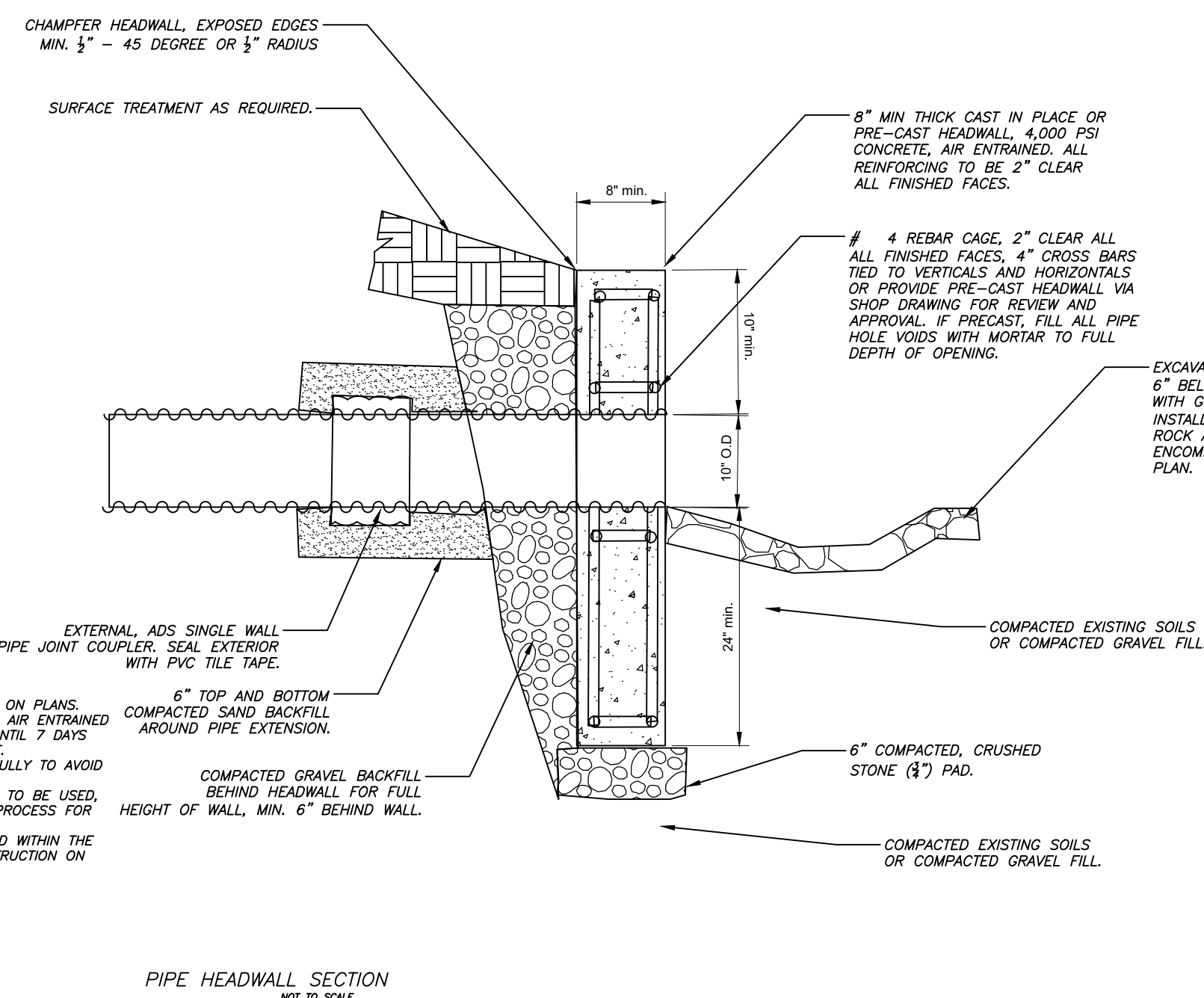
- UTILITIES SHOWN ARE IN APPROXIMATE LOCATIONS ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO INITIATION OF SITE RELATED ACTIVITIES. DIG-SAFE SHALL BE NOTIFIED AS REQUIRED BY LAW.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL OBSTACLES THAT EXIST IN THE AREA OF CONSTRUCTION AND FOR THE MAINTENANCE OF THE EXISTING GUARD RAIL SYSTEM ADJACENT TO GLEASONDALE ROAD.
- DISPOSAL OF ALL DEMOLISHED MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL MUNICIPAL REQUIREMENTS.
- PLAN SHOWS ONLY THE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF TOPOGRAPHY. THE ABSENCE OF SUBSURFACE SURFACE STRUCTURES, UTILITIES, ETC., IS NOT IMPLIED OR INTENDED.
- ALL EXISTING RUBBLE, BRUSH, TIRES, SCRAP METAL, BUILDING MATERIALS, SPILL PILES, AND OTHER DEBRIS SHALL BE REMOVED BY THE SITE CONTRACTOR IN AN APPROPRIATE FASHION.
- UTILITIES SHOWN ARE IN BASED ON THE BEST AVAILABLE RECORD DATA AND/OR ACTUAL FIELD LOCATIONS. UNDERGROUND LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY.
- DURING ALL CONSTRUCTION PHASES, THE CONTRACTOR SHALL MAINTAIN A TEMPORARY VEHICULAR ACCESS AND LIMIT ACCESS ELSEWHERE.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TRENCH PERMITS PER 520 CMR14.

LAYOUT AND MATERIALS:

- THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF PLACES ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF PLACES ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE TOWN DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE OWNER OR ENGINEER. ALL AREAS DISTURBED DURING CONSTRUCTION NOT COVERED WITH WALKS, HARDSCAPE OR PAVEMENTS SHALL RECEIVE FOUR (4") NCHES OF LOAM AND SEED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR OWNER.
- CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO EARTHWORK OPERATION AND MAINTAIN ALL EROSION CONTROL MEASURES AND SEEDED EMBANKMENTS DURING CONSTRUCTION. EROSION CONTROL SHALL BE REMOVED ONLY UPON THE ESTABLISHMENT OF ALL LANDSCAPED AREAS AND WHEN AUTHORIZED BY THE OWNER.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. ALL CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH O.S.H.A. REGULATIONS AND STATE AND LOCAL REQUIREMENTS.

LANDSCAPE:

- THE SPECIES AND VARIETIES LISTED SHALL BE ADHERED TO IN ALL CASES. WHERE A SUBSTITUTION IS PROPOSED, THE CONTRACTOR SHALL PROVIDE THE OWNER A LISTING OF FACE DIFFERENTIALS AND ALL SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ALL PLANTS AND PLANTING METHODS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF "RECOMMENDED STANDARD SPECIFICATION FOR PLANTINGS" AS COMPILED AND ISSUED BY THE ASSOCIATED LANDSCAPE CONTRACTORS OF MASSACHUSETTS. ALL PLANT BEDS AND TREE SAUCERS TO RECEIVE 4" OF PINE BARK MULCH. GROUND COVER AREAS SHALL RECEIVE 1" OF PINE BARK MULCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ADEQUATE WATER SUPPLIES TO THE PLANT MATERIALS UNTIL ACCEPTANCE OF THE LANDSCAPE BY THE LANDSCAPE ARCHITECT HAS OCCURRED.
- PLANTING SEASONS:
SPRING SEASON FOR ALL PLANTING IS FROM APRIL 1ST TO JULY 15TH
FALL SEASON:
FOR ALL DECIDUOUS TREES, SHRUBS AND GROUND COVERS IS FROM AUGUST 15TH TO OCTOBER 12TH.
- FERTILIZER USE & APPLICATION SHALL CONFORM TO 330 CMR 31.00 FOR NON-AGRICULTURAL APPLICATION OF NITROGEN FERTILIZERS. SOIL SAMPLES, TESTS, AND SHOP DRAWINGS SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT OR THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR WATERING, AND RESEEDING OF BARE SPOTS UNTIL A UNIFORM STAND OF VEGETATION IS ESTABLISHED AND ACCEPTED.
- ALL SLOPES IN EXCESS OF 3:1 (HORIZONTAL TO VERTICAL) SHALL BE STABILIZED SLOPES, SEE THE PROVISIONS OF SPECIFICATION SECTION-EROSION AND SEDIMENTATION CONTROL AND RELATED SECTIONS.



KANE PROPERTY ACCESS PATH NOTES & DETAILS

LOCATION: OFF GLEASONDALE ROAD
CITY/TOWN: STOW, MASSACHUSETTS

PREPARED FOR:
TOWN OF STOW

SCALE: AS NOTED DATE: AUG. 2022

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PROJECT No.: 5593 PLAN No.: 5593 DETAILS - 4

DRAINAGE SYSTEM OPERATIONS & MAINTENANCE PLAN EROSION & SEDIMENTATION CONTROL PLAN

STORM WATER COLLECTION SYSTEM:

THE STORMWATER COLLECTION SYSTEM SERVING THIS SITE IS INTENDED TO BOTH COLLECT STORM WATER RUNOFF AND TO PROVIDE TREATMENT OF THE STORMWATER PRIOR TO ITS DISCHARGE. THIS SYSTEM COLLECTS RUNOFF GENERATED FROM THE SITE THROUGH THE USE OF STORMWATER BEST MANAGEMENT PRACTICES (BMP'S). WHEN THESE BASIC CONTROL MECHANISMS ARE FUNCTIONING PROPERLY THEY PROVIDE FOR A REDUCTION OF CONTAMINANTS AND DEBRIS ENTERING THE STORMWATER COLLECTION SYSTEMS, AND THEREFORE DOWNSTREAM RECEIVING WATERS/WETLANDS.

STORMWATER SYSTEMS RELY UPON PROPER MONITORING, OPERATIONS AND MAINTENANCE TO FUNCTION AS DESIGNED AND INTENDED. A PROGRAM OF MONITORING, OPERATIONS AND MAINTENANCE MUST BE ONGOING THROUGHOUT THE LIFE AND USE OF THE SITE, AND IS THE OWNER'S RESPONSIBILITY SOLELY. THESE ACTIVITIES, AS DESCRIBED BELOW, ARE TO BE INITIATED AFTER COMPLETION OF THE PROJECT AND ARE NOT RELATED TO THE CONSTRUCTION OF THE SITE, EXCEPT AS SPECIFICALLY PROVIDED. THIS PLAN IS SPECIFICALLY FOR SITE-RELATED ACTIVITIES, NOT ACTIVITIES WHICH ARE INTERIOR TO BUILDINGS, THOUGH THERE ARE NECESSARY IMPLICATIONS AND CORRELATIONS BETWEEN THE TWO.

MONITORING:

THE DRAINAGE SYSTEMS ARE REQUIRED TO BE MONITORED BY THE DESIGNATED SYSTEM MANAGER. THE NAME, ADDRESS AND DAY AND NIGHT (OR EMERGENCY) TELEPHONE NUMBER OF THIS PERSON OR ENTITY SHALL BE PROVIDED TO THE CITY/TOWN PRIOR TO THE ISSUANCE OF A CERTIFICATE OF CONSTRUCTION. THIS INDIVIDUAL SHALL BE REQUIRED TO KEEP A LOG OF ALL REQUIRED INSPECTIONS, OBSERVATIONS AND MAINTENANCE ACTIVITIES DRAINAGE SYSTEM COMPONENTS SHALL BE REFERRED TO BY SPECIFIC LOCATION OR THE DESIGN PLAN DESIGNATION, (E.G. CTB # 10) TO AVOID CONFUSION OR MISIDENTIFICATION THE LOG SHALL BE MADE AVAILABLE TO ANY MUNICIPAL OR STATE AGENCY HAVING JURISDICTION WITHIN TEN (10) DAYS OF A WRITTEN REQUEST BY THAT AGENCY.

MONITORING FOR THIS SITE SHALL CONSIST OF THE FOLLOWING:

- ALL CATCHBASINS SHALL BE INSPECTED TO ENSURE THEY ARE WATER-TIGHT (HOLDING WATER), HAVE ADEQUATE SUMP CAPACITY, ALL OIL/GAS TRAPS ARE IN-PLACE, ALL GRATES AND FRAMES ARE FREE FROM STRUCTURAL DAMAGE, AND ARE DRAINING FREELY. THIS MONITORING SHALL OCCUR AT A MINIMUM OF FOUR (4) MONTH INTERVALS (QUARTERLY).
- ALL DRAINAGE MANHOLES SHALL BE INSPECTED TO ENSURE THAT THEY ARE WATER-TIGHT, ALL LIDS AND FRAMES ARE FREE FROM STRUCTURAL DAMAGE, ARE DRAINING FREELY AND ARE NOT PONDING WATER. THIS MONITORING SHALL OCCUR A MINIMUM OF ONCE PER YEAR.
- OTHER DRAINAGE SYSTEMS SHALL BE INSPECTED TO ENSURE THAT NO EROSION IS OCCURRING AT OUTLETS, ALL OUTLETS ARE FREE-FLOWING AND NO DAMAGE HAS OCCURRED AS PART OF SITE MAINTENANCE OR ACTIVITIES.
- PROVIDE MAINTENANCE AND MONITORING OF THESE AND OTHER COMPONENTS AS SPECIFIED IN THE OPERATION AND MAINTENANCE MANUAL (O&M).

OPERATIONS:

- GOOD HOUSE KEEPING AND MATERIAL MANAGEMENT REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. A POLLUTION PREVENTION PLAN SHALL BE DEVELOPED WHICH SHALL INCLUDE THE FOLLOWING AT A MINIMUM:
 - ALL MATERIALS STORED ON-SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
 - PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
 - SUBSTANCES SHOULD NOT BE MIXED WITH ONE ANOTHER, UNLESS RECOMMENDED BY THE MANUFACTURER.
 - WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF A CONTAINER.
 - THE SYSTEM'S MANAGER SHALL INSPECT THE SITE DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE, DURING ALL CONSTRUCTION PHASES. ORIGINAL MATERIALS LABELS AND MATERIAL SAFETY DATA SHEETS SHALL BE KEPT; THEY RETAIN IMPORTANT INFORMATION.
 - ALL ON-SITE VEHICLES AND PARKING AREAS SHALL BE REGULARLY MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO PREVENT LEAKAGE.
 - PETROLEUM PRODUCTS SHALL BE STORED UNDER COVER AND SHALL BE IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
 - FERTILIZERS SHALL ONLY BE USED IN THE MINIMUM AMOUNTS AS RECOMMENDED BY THE MANUFACTURER.
 - THE CONTENTS OF ANY UNUSED FERTILIZER SHALL BE TRANSFERRED TO A CLEARLY LABELED, SEALABLE PLASTIC BIN, TO AVOID SPILLAGE.
 - ALL PAINTS AND SOLVENTS SHALL BE STORED IN ORIGINAL MANUFACTURER'S CONTAINERS IN A COVERED LOCATION.
 - THE USE OF PAINTS AND SOLVENTS SHALL, WHENEVER POSSIBLE, BE LIMITED TO SERVICE OR STORAGE BAYS AND NOT IN PARKING OR ACCESS WAYS THAT ARE TRIBUTARY TO THE DRAINAGE SYSTEM.
- SPILL CONTROL PRACTICES:
 - MANUFACTURER'S RECOMMENDED METHODS SHALL BE CLEARLY POSTED FOR SPILL CLEANUP AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF CLEANUP INFORMATION AND SUPPLIES.
 - MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT ON-SITE IN A DESIGNATED MATERIAL STORAGE AREA. EQUIPMENT WILL INCLUDE, BUT NOT BE LIMITED TO: BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, ABSORBENT MATERIALS, SAND, SAWDUST AND PLASTIC & METAL TRASH CONTAINERS SPECIFICALLY KEPT AND LABELED FOR THIS PURPOSE.
 - ALL SPILLS WILL BE CLEANED-UP IMMEDIATELY AFTER DISCOVERY.
 - SPILLS OF TOXIC OR HAZARDOUS MATERIAL OR NATURE WILL BE REPORTED TO THE APPROPRIATE STATE, LOCAL OR FEDERAL AGENCY, AS REQUIRED BY-LAW.
 - THE SPILL PREVENTION PLAN WILL INCLUDE PROVISIONS TO ADAPT THE PLAN TO ENSURE THAT SPILLS WILL NOT REOCCUR, AND HOW TO CLEANUP THE SPILL IF THERE IS ANOTHER ONE.
- SITE OPERATIONS AND DAILY USE SHALL CONSIDER THE ULTIMATE DISPOSITION OF STORMWATER AND OTHER SITE-GENERATED FORMS OF RUNOFF. THE WASHING OF VEHICLES SHALL BE LIMITED AREAS WITHIN THE BUILDING, AS THEY ARE SERVED BY THE FLOOR DRAIN SYSTEM. WASH WATER WITH ITS COMBINATION OF SOLVENTS, DETERGENTS AND OIL/GREASES SHOULD NOT BE ALLOWED TO ENTER ANY PART OF THE ON-SITE DRAINAGE SYSTEM.
- SNOW PLOWING - SNOW PLOWING OPERATIONS SHALL STOCKPILE SNOW, ICE AND ACCUMULATED MATERIALS IN AREAS WHERE SNOW MELT WILL FLOW INTO THE ON-SITE DRAINAGE SYSTEMS. NO PLOWING OR STORAGE OF SNOW INTO WETLANDS.
- SALT USE SITE-WIDE SHALL BE APPLIED TO THE MINIMUM EXTENT POSSIBLE TO MAINTAIN SAFE CONDITIONS, AND ONLY IF NOT SPECIFICALLY EXCLUDED BY ANY SPECIAL CONDITIONS.

MAINTENANCE:

- ROAD AND ACCESS WAYS AND GUTTERS SHALL BE SWEEPED CLEAN OF DEBRIS AND ACCUMULATION ON A REGULAR BASIS. AT A MINIMUM, A SPRING AND FALL CLEANING SCHEDULE IS RECOMMENDED.
- ALL CATCHBASINS SHALL HAVE THE SUMPS CLEANED AT ANY TIME OF THE YEAR WHEN 2' OR LESS SPACE EXISTS BELOW THE OUTLET INVERT, OR A MINIMUM OF ONCE PER YEAR, REGARDLESS OF SUMP ACCUMULATION. ALL DEBRIS FROM THE CLEANING SHALL BE DISPOSED OF OFF-SITE AND IN A MANNER AS PROSCRIBED BY LAW.
- ALL BROKEN, LEAKING OR OTHERWISE DAMAGED STRUCTURES SHALL BE REPAIRED PROMPTLY UPON DISCOVERY. CATCHBASIN GRATES OR MANHOLE LIDS SHALL BE REPLACED WITH SIMILAR WEIGHT AND LOADING CHARACTERISTIC REPLACEMENT PARTS.
- ALL EROSION SHALL BE REPAIRED.
- THE REPLACEMENT OF ANY PIPE OR DRAINAGE STRUCTURE SHALL MATCH THE ORIGINAL DESIGN SPECIFICATIONS.
- PROVIDE MAINTENANCE AND MONITORING AS SPECIFIED IN THE OPERATION AND MAINTENANCE MANUAL (O&M).

NPDES GENERAL NOTES:

- NPDES IS NOT APPLICABLE TO THIS PROJECT.

GENERAL:

- THIS PLAN IS PART OF A SET OF DOCUMENTS THAT ARE TO BE VIEWED AND REVIEWED IN THEIR ENTIRETY, SUCH DOCUMENTS INCLUDE THE CONSTRUCTION SPECIFICATIONS, CONSTRUCTION PLANS AND ANY PERMITS ISSUED BY THE CITY/TOWN OR OTHER REGULATORY AGENCIES.
- THIS IS A PERFORMANCE SPECIFICATION WHICH THE CONTRACTOR SHALL APPLY APPROPRIATE MEANS AND METHODS TO ACHIEVE.

EROSION CONTROL MEASURES:

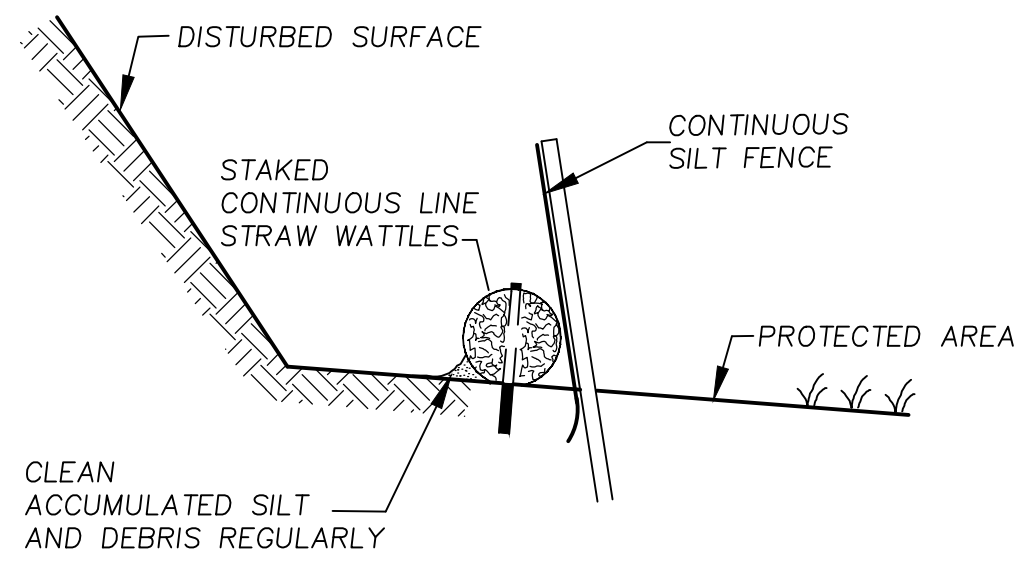
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EROSION AND SEDIMENTATION ARE CONTROLLED. THIS PLAN SHALL BE ADAPTED TO FIT THE CONTRACTOR'S EQUIPMENT, WEATHER CONDITIONS, AND ANY ORDERS OF CONDITIONS ISSUED BY THE CITY/TOWN OR ANY OTHER REGULATORY AGENCY.
- THE MOST IMPORTANT ASPECTS OF CONTROLLING EROSION AND SEDIMENTATION ARE LIMITING THE EXTENT OF DISTURBANCE AND STABILIZING SURFACES AS SOON AS POSSIBLE. OF SECONDARY IMPORTANCE IN EROSION CONTROL IS THE LIMITING THE SIZE AND LENGTH OF THE TRIBUTARY DRAINAGE AREA WITHIN THE WORK SITE AND DRAINAGE STRUCTURES. THESE FUNDAMENTAL PRINCIPLES SHALL BE THE KEY FACTOR IN THE CONTRACTOR'S CONTROL OF EROSION ON THE SITE.
- THE EXISTING SOIL CONDITIONS PROVIDE THE POTENTIAL OF RUNOFF TO OFF-SITE AREAS WITH EROSION POTENTIAL.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY DIVERSION SWALES AND SETTLING BASINS IN AREAS OF FUTURE CONSTRUCTION. CONSTRUCTION IS PERMITTED BEYOND THE LIMIT OF DISTURBANCE ONLY WHEN ADDITIONAL DRAINAGE MEASURES OR STABILIZATION MEASURES ARE NEEDED, AND SHALL BE SUBJECT TO APPROVAL BY THE CITY/TOWN. PRIOR TO WORK OUTSIDE OF DESIGNATED LIMIT OF DISTURBANCE LINE. THE LIMIT OF DISTURBANCE LINE SHALL BE THE EROSION CONTROL BARRIER.
- ALL DISTURBED SURFACES SHALL BE STABILIZED A MINIMUM OF 14 DAYS AFTER CONSTRUCTION IN ANY PORTION OF THE SITE HAS CEASED OR IS TEMPORARILY HALTED UNLESS ADDITIONAL CONSTRUCTION IS INTENDED TO BE INITIATED WITHIN 21 DAYS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL EROSION CONTROL DEVICES ON-SITE. ALL EROSION CONTROL DEVICES SHALL BE REGULARLY INSPECTED. ANY SEDIMENTS REMOVED FROM THE CONTROL DEVICES SHALL BE DISPOSED OF OUTSIDE OF THE 100' WETLANDS BUFFER ZONE.
- AT NO TIME SHALL SILT-LOADED WATER BE ALLOWED TO ENTER SENSITIVE AREAS (WETLANDS, OFF-SITE AREAS AND DRAINAGE SYSTEMS). ANY RUNOFF FROM DISTURBED SURFACES SHALL BE DIRECTED THROUGH SETTLING BASINS AND EROSION CONTROL BARRIERS PRIOR TO ENTERING ANY SENSITIVE AREAS.

PRELIMINARY SITE WORK:

- MATERIAL REMOVED SHOULD BE STOCKPILED, SEPARATING THE TOPSOIL FOR FUTURE USE ON THE SITE. EROSION CONTROLS SHALL BE UTILIZED ALONG THE DOWNSLOPE SIDE OF THE PILES IF THE PILES ARE TO REMAIN MORE THAN THREE WEEKS OR SUBJECT TO EROSION CONDITIONS SUCH AS INTENSE RAIN, WIND OR OTHER EXPOSURE.
- STOCKPILES SHALL BE LOCATED AS SPECIFIED HEREIN AND AS REQUIRED. SHOULD ADDITIONAL AREAS BE NEEDED THEY SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE, IN AREAS OF MINIMAL IMPACT. IF A STOCKPILE IS LOCATED ON A SLOPE, THE RUNOFF SHALL BE DIRECTED AWAY FROM THE PILE.
- IF INTENSE RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL STRAW BALE DIKES, SILT FENCES, OR ARMORED DIKES SHALL BE UTILIZED.
- IF THE SITE CONSTRUCTION OCCURS AT ANY TIME OTHER THAN THE MAY - NOVEMBER CONSTRUCTION SEASON, THE SITE DRAINAGE SYSTEM SHALL BE INSTALLED, MAINTAINING HYDRAULIC CAPACITY, PRIOR TO ANY ROUGH GRADING IN THE BUFFER ZONE.
- INLET SEDIMENT CONTROL DEVICES SHALL BE INSTALLED ON ALL CATCHBASINS ADJACENT TO THE LIMIT OF WORK, EVEN IF OUTSIDE THE DELINEATED LIMIT OF WORK. THE GENERAL CONTRACTOR SHALL MONITOR AND EMPTY AND/OR REPLACE ON AN AS NEEDED BASIS.

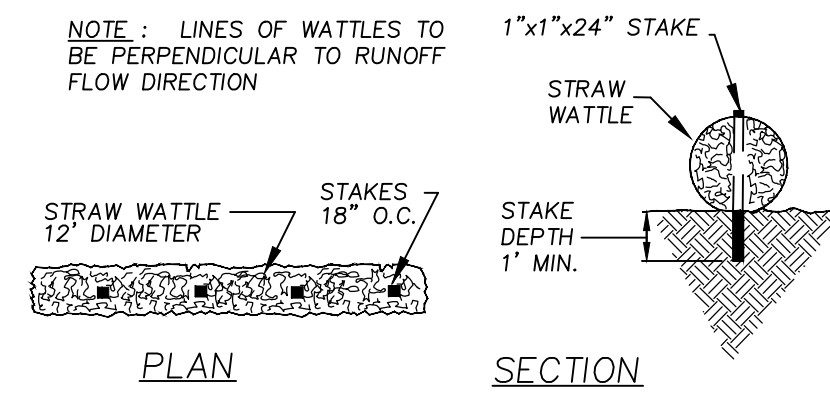
DRAINAGE SYSTEM:

- THE DRAINAGE SYSTEM SHALL BE INSTALLED FROM THE DOWNSTREAM END UP.
- A SILT FENCE SHALL BE INSTALLED AT THE OUTFALL OF ALL TEMPORARY BASINS AND SWALES. IT SHALL REMAIN IN PLACE UNTIL ALL TRIBUTARY AREAS ARE STABILIZED.
- WATER SHALL NOT BE ALLOWED TO ENTER PIPES FROM UN-STABILIZED SURFACES. SILT FENCE SHALL BE MONITORED, CLEANED & REPLACED AS NEEDED ON A REGULAR BASIS.
- TRENCH EXCAVATIONS SHALL BE LIMITED TO THE MINIMUM LENGTH REQUIRED FOR DAILY PIPE INSTALLATION. ALL TRENCHES SHALL BE BACKFILLED AS SOON AS POSSIBLE. THE ENDS OF PIPES SHALL BE CLOSED NIGHTLY WITH PLYWOOD AND BACKER BOARD.



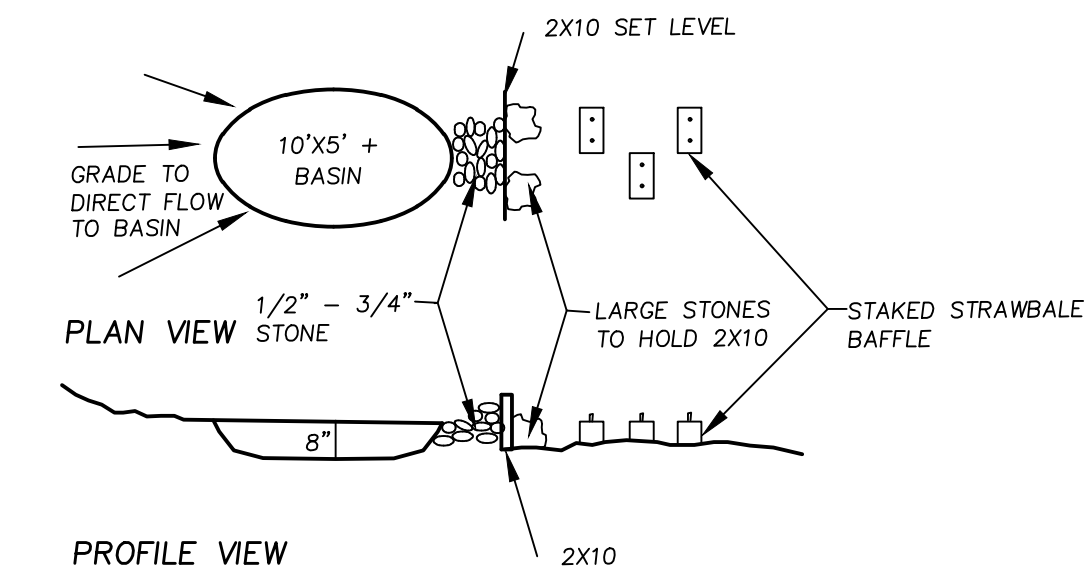
EROSION CONTROL BARRIER

NOT TO SCALE



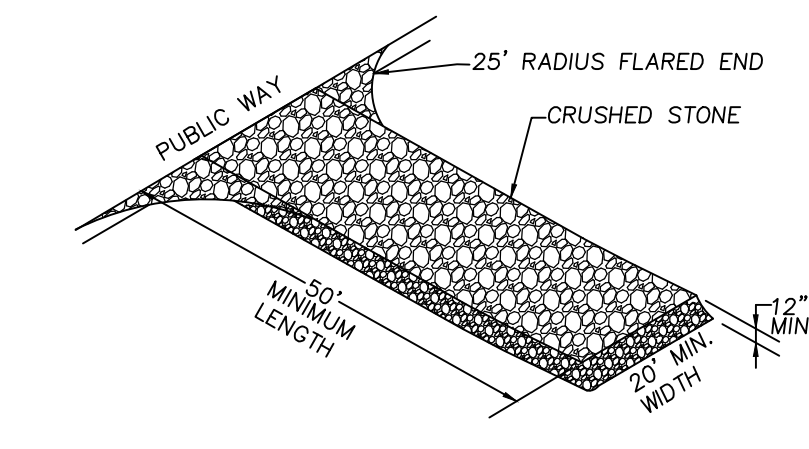
STRAW WATTLES

NOT TO SCALE



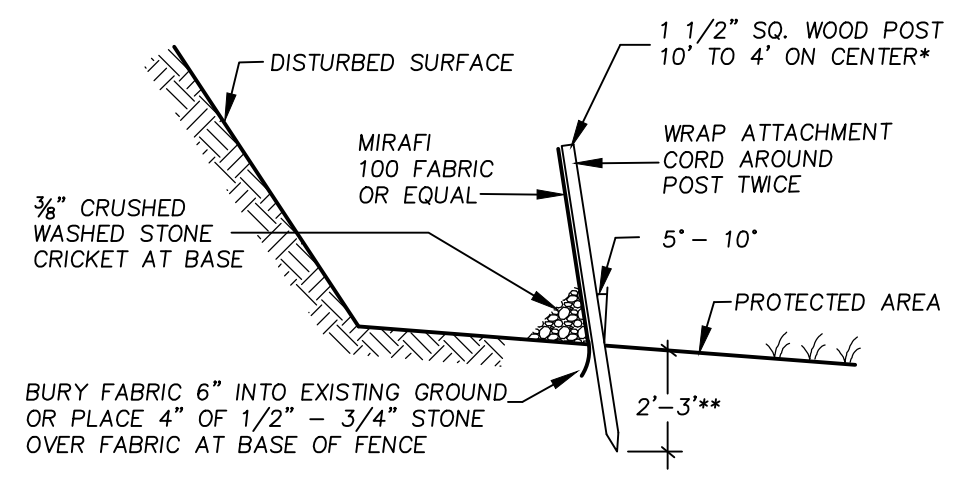
TEMPORARY DEWATERING AREA

NOT TO SCALE



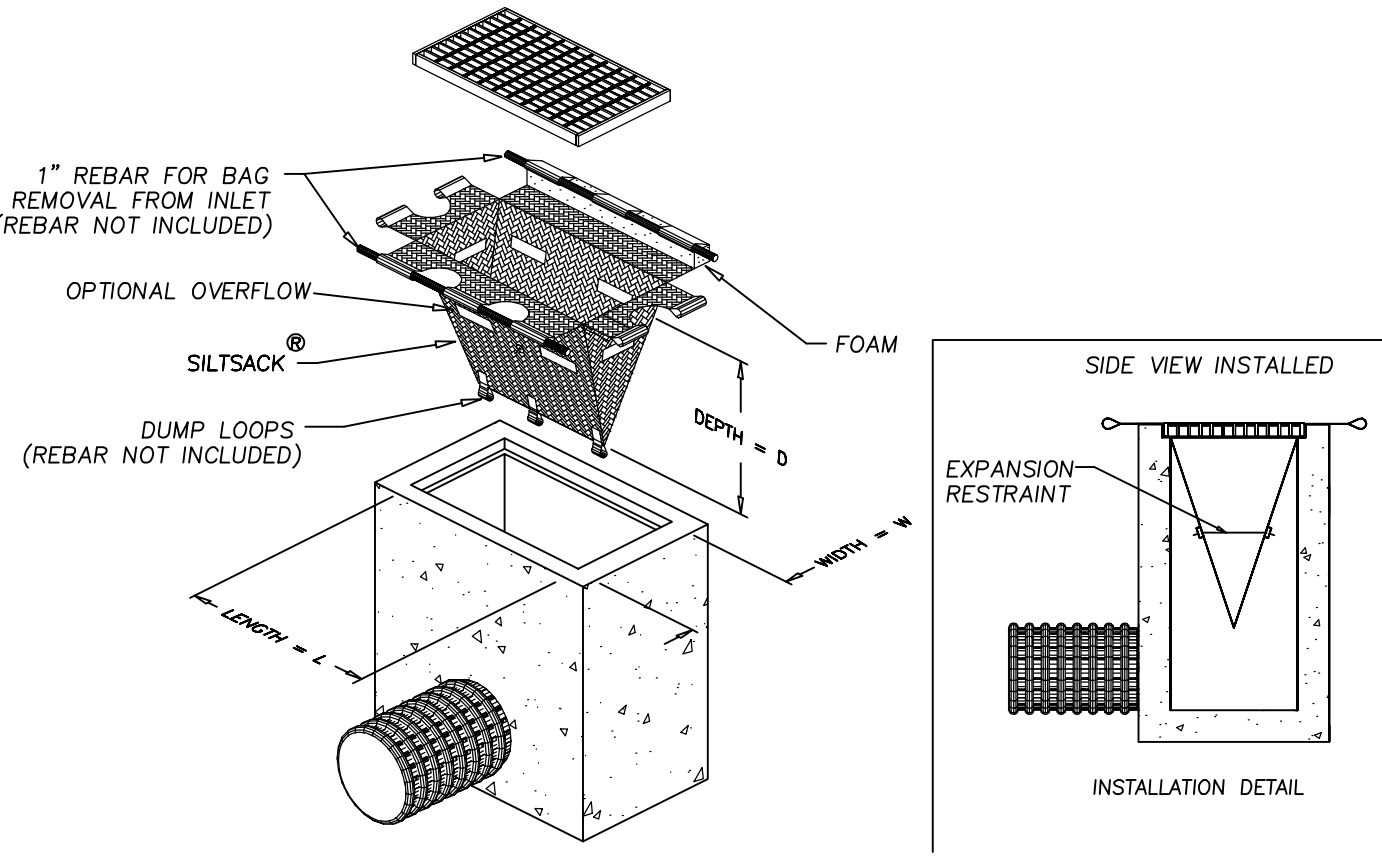
TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE



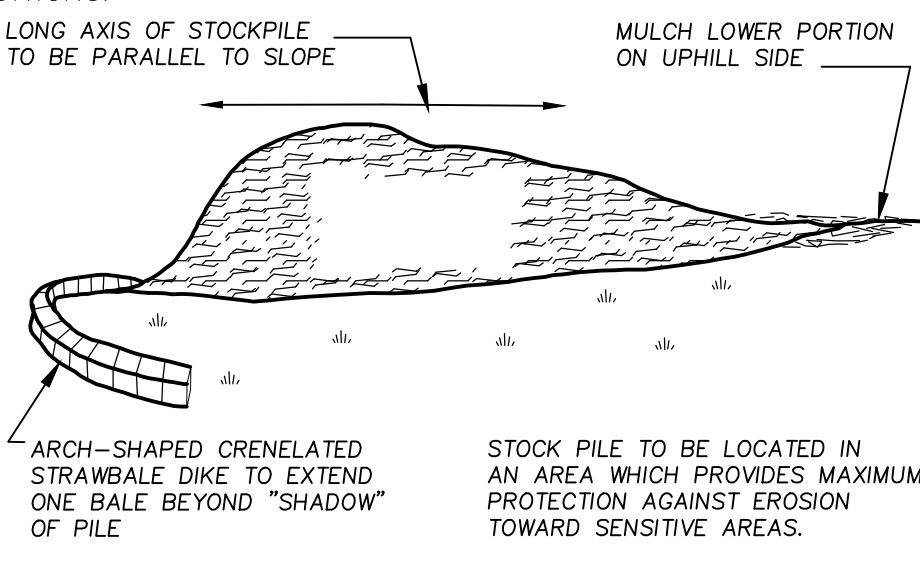
SILT FENCE DETAIL

NOT TO SCALE



INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE



TEMPORARY STOCKPILE

NOT TO SCALE

LOCATION: OFF GLEASONDALE ROAD
CITY/TOWN: MASSACHUSETTS

PREPARED FOR:

TOWN OF STOW

SCALE: NOT TO SCALE DATE: OCTOBER 2022

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