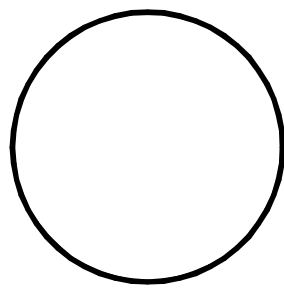


DATE APPROVED:	_____
DATE SIGNED:	_____
SIGNATURES:	_____



MILLBURY PLANNING BOARD REVIEW

MILLBURY FIRE HEADQUARTERS SITE PLAN APPLICATION-JANUARY 25TH, 2021

130 ELM STREET
MILLBURY, MA 01527

PROJECT DIRECTORY

ARCHITECTURE - SITE PLAN APPLICATION

- A0.1 SITE PLAN APPLICATION COVER
- A0.2 SITE PLAN APPLICATION ELEVATIONS

CIVIL

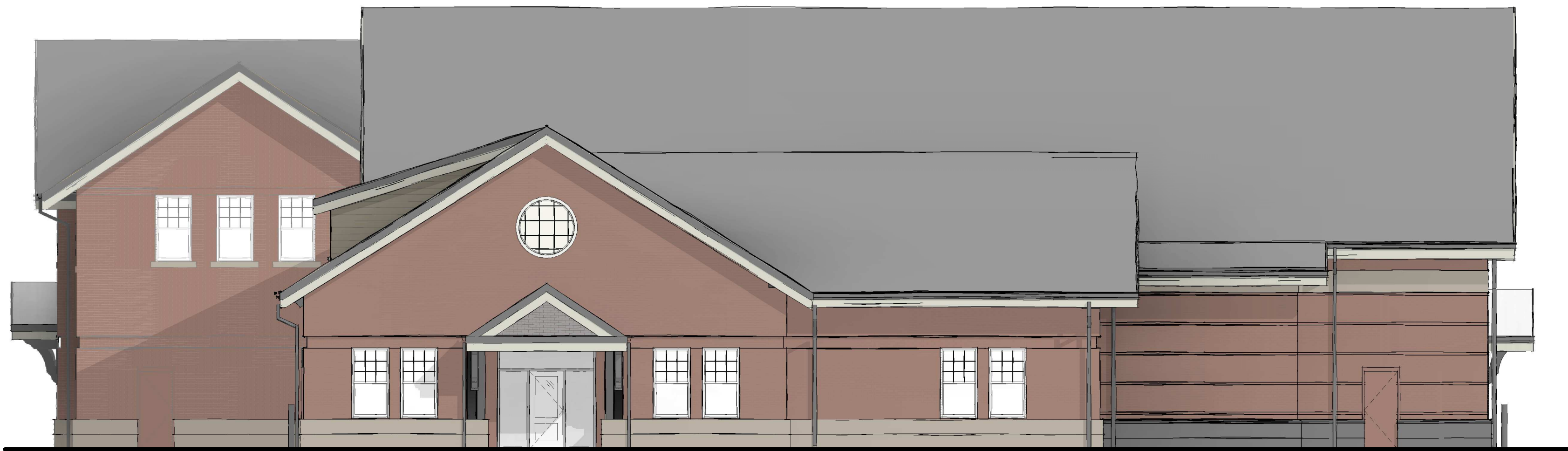
- C0.1 SITE, LEGEND
- C0.2 SITE DETAILS
- C0.3 SITE DETAILS
- C0.4 SITE DETAILS
- C0.5 SITE DETAILS
- C0.6 SITE DETAILS
- C1.0 SITE DEMOLITION & PREPARATION PLAN
- C1.1 SITE LAYOUT & MATERIALS PLAN
- C2.1 SITE UTILITY PLAN
- C3.1 SITE GRADING PLAN

LANDSCAPE

- L1.0 LANDSCAPE PLAN
- L3.0 LANDSCAPE PLANTING PLAN
- L4.0 LANDSCAPE DETAILS

- E.03 ELECTRICAL SITE PLAN





1 EAST ELEVATION
1/8" = 1'-0"



5 NORTH ELEVATION
1/8" = 1'-0"



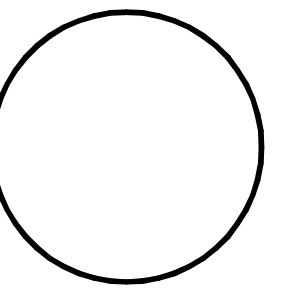
6 SOUTH ELEVATION
1/8" = 1'-0"



7 WEST ELEVATION
1/8" = 1'-0"

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____



context
ARCHITECTURE
68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM

MILLBURY FIRE STATION
130 Elm Street, Millbury MA
project number: 1902.0

SITE PLAN APPLICATION ELEVATIONS

Scale: 1/8" = 1'-0"
Drawn by: Author

No.	Issue	Date
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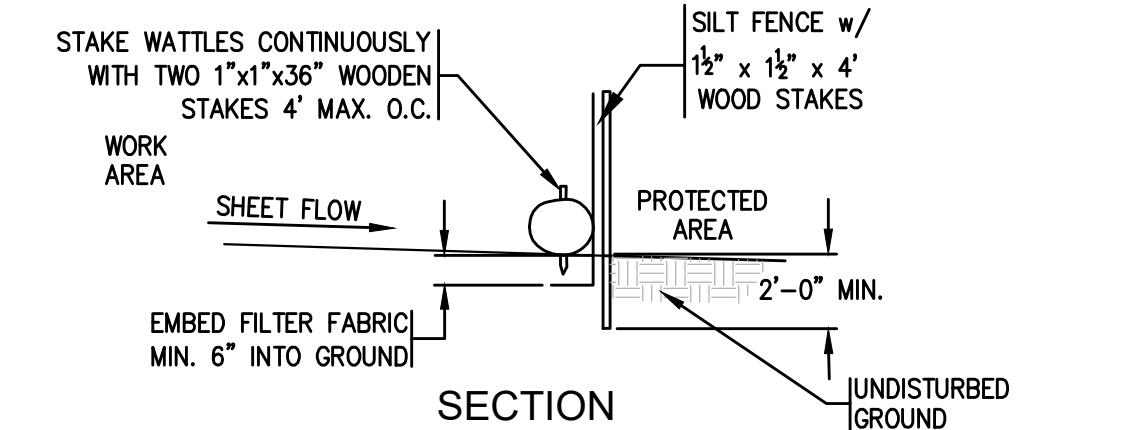
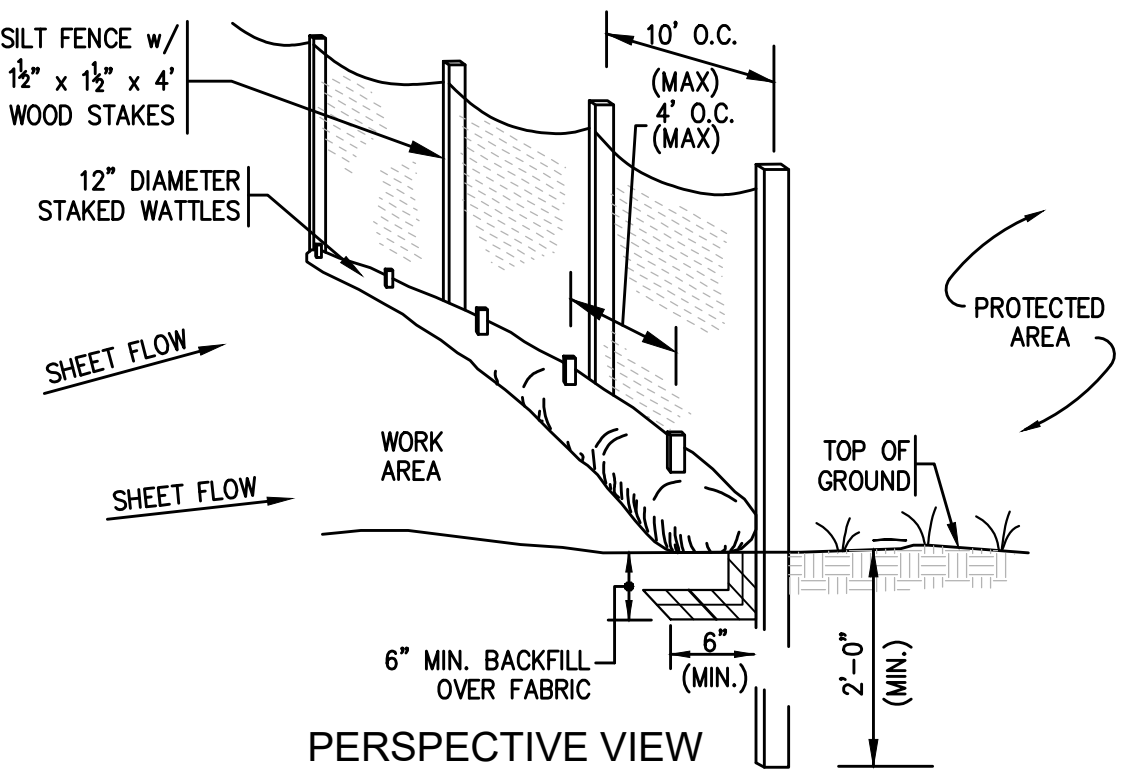
A0.2

SITE LEGEND

EXISTING	NEW	DESCRIPTION
D	D	STORM DRAIN
E	E	ELECTRIC (UNDERGROUND)
F	F	FIRE SERVICE
FD	FD	FOOTING DRAIN
RD	RD	ROOF DRAIN
DS	DS	DOWNSPOUT DRAIN
FM	FM	FORCEMAIN
G	G	GAS
OHW	OHW	OVERHEAD WIRE
PL	PL	PROPERTY LINE
S	S	SANITARY SEWER
W	W	WATER
	EP	UNDERGROUND ELECTRIC PRIMARY SERVICE
	ES	UNDERGROUND ELECTRIC SECONDARY SERVICE
	T	UNDERGROUND TELEPHONE SERVICE
	CTV/F	UNDERGROUND CABLE TV & FIBER OPTIC
	SL	UNDERGROUND SITE LIGHTING SERVICE
64	64	CONTOUR
BCC	BCC	BITUMINOUS CONC. CURB
TGC	TGC	TRANSITION GRANITE CURB
VGC	VGC	VERTICAL GRANITE CURB
x64.75	x64.75	SPOT GRADE
		CHAINLINK FENCE
		CONSTRUCTION CHAINLINK FENCING
DMH		DRAIN MANHOLE
FES		FLARED END STRUCTURE
SMH		SEWER MANHOLE
CB		CATCH BASIN
CB(DG)		DOUBLE GRATE CATCH BASIN
		WATER SERVICE
		POST INDICATOR VALVE
		UTILITY POLE
CTB		CONCRETE THRUST BLOCK
		FIRE HYDRANT
		GATE VALVE AND CURB BOX
		HANDICAP SYMBOL (PRKG. SPACE)
		HEADWALL
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
PB		ELECTRIC PULL BOX
		SIGHT LIGHT POLE
IF-FDC		FIRE DEPARTMENT CONNECTION
		WETLAND
		BORING LOCATION
		TEST PIT LOCATION
C.T.E.		POINT OF CONNECTION TO EXISTING
E.T.R.		EXISTING TO REMAIN
F.F.E.		FINISH FLOOR ELEVATION (FIRST FLOOR)
F&I		FURNISH AND INSTALL
GC0		GROUND CLEANOUT
INV.		INVERT ELEVATION
N.T.S.		NOT TO SCALE
WQS		WATER QUALITY STRUCTURE
V.I.F.		VERIFY IN FIELD
		TRAFFIC FLOW DIRECTION

GENERAL NOTES

- EXISTING CONDITIONS SHOWN WERE TAKEN FROM EXISTING CONDITIONS PLAN PREPARED BY ANDREWS SURVEY & ENGINEERING, INC. FOR THE TOWN OF MILLBURY DATED SEPTEMBER 25, 2019, LAST REVISED DECEMBER 30, 2020.
- CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO LAYOUT ON THE GROUND ALL NEW ELEMENTS OF WORK. THE NEW WORK IS TO BE COMPLETED, MARKED, AND LAID OUT ON THE GROUND, REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. IF ANY WORK IS INSTALLED PRIOR TO THE ABOVE REQUIREMENT BEING MET, AND IF THE WORK IS NOT SATISFACTORY IN LAYOUT TO THE ARCHITECT, CONTRACTOR SHALL REPLACE THE WORK AT NO COST.
- PRIOR TO ANY EXCAVATION, IN ADDITION TO "DIG SAFE", NOTIFY APPROPRIATE UTILITY COMPANY OR AUTHORITY TO VERIFY EXACT DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES. LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE DRAWINGS.
- THE DOCUMENTS MAY INDICATE RESULTS OF BORINGS AND/OR TEST PITS. THESE INVESTIGATIONS AND RESULTANT INTERPRETATIONS WERE MADE FOR THE SOLE PURPOSE OF PROVIDING DESIGN DATA FOR THE USE OF THE DESIGN TEAM ONLY. INTERPRETATION OF THE DATA FOR PURPOSES OF CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DURING THE COURSE OF CONSTRUCTION, ALL INTERPRETATIONS OF SOIL SUITABILITY SHALL BE MADE BY THE ARCHITECT. THE DECISION OF THE ARCHITECT SHALL BE FINAL AND BINDING ON THE CONTRACTOR.
- REFER TO THE SPECIFICATIONS. IN ADDITION TO THOSE REQUIREMENTS, SITE PREPARATION SHALL ALSO INCLUDE THE FOLLOWING:
 - IN THE COURSE OF INSTALLING THE UNDERGROUND UTILITIES, REMOVE ANY ABANDONED FOUNDATION, UTILITY STRUCTURES, ETC., ENCOUNTERED WHICH INTERFERE WITH THE UTILITY WORK. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND SHALL BE BACKFILLED WITH GRAVEL COMPACTED IN 9" LIFTS TO 95% COMPACTION TO 6" BELOW THE BOTTOM OF THE PIPE AND UTILITY.
 - IF DURING EXCAVATION THE TRENCH WIDTH EXCEEDS THE SUM OF THE PIPE O.D. PLUS 2'-0", PLACE AND COMPACT THE FILL TO 12" ABOVE THE PIPE AND RE-EXCAVATE TO REQUIRED GRADES.
 - AT THE POINT WHERE BULK EARTH MOVING HAS BEEN COMPLETED TO THE SUBGRADE LEVEL AND PRIOR TO PLACING UTILITIES, CURBING, OR PAVING, PROOF ROLL THE ENTIRE AREA IN THE PRESENCE AND UNDER THE SUPERVISION OF THE SOILS LABORATORY. PROOF- ROLLING SHALL CONSIST OF MAKING NOT LESS THAN (5) PASSES OVER THE AREA WITH A VIBRATOR DRUM ROLLER WEIGHING AT LEAST 10,000 lbs. THE SOILS LAB WILL CONDUCT FIELD DENSITY TESTS AND WILL DETERMINE CORRECTIVE MEASURES TO BE DONE, IF ANY, BASED ON THE PROOF-ROLLING.
- ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF MILLBURY SPECIFICATIONS.
- FIRE SERVICE PIPING SHALL BE CLASS S2 DOUBLE CEMENT LINED DUCTILE IRON WITH TYTON JOINTS. FITTINGS SHALL BE 350 LB. GREY IRON CASTINGS WITH MECHANICAL JOINT ENDS. ALL BENDS, TEES, ETC., SHALL BE JOINT RESTRAINED BY THE USE OF CONCRETE THRUST BLOCKS. METALLIC BACKED TRACE TAPE WITH WORDING PRINTED ON THE TAPE INDICATING A BURIED WATER LINE SHALL BE INSTALLED ONE (1) FOOT ABOVE THE PIPE.
- WATER SERVICE PIPING SMALLER THAN 4" SHALL BE TYPE-K COPPER TUBING CONFORMING TO AWMA REQUIREMENTS WITH A 200 PSI RATING, AND WITH A CTS CURB STOP VALVE WITH NO WASTE DRAIN BY FORD METER COMPANY. METALLIC BACKED TRACE TAPE WITH WORDING PRINTED ON THE TAPE INDICATING A BURIED WATER LINE SHALL BE INSTALLED ONE (1) FOOT ABOVE THE PIPE.
- GATE VALVES SHALL BE CAST IRON BODY BRONZE MOUNTED, 200 PSI, COMPLETE WITH ROAD BOX AND CONFORMING IN EVERY RESPECT TO LOCAL SPECIFICATIONS.
- STORM DRAINS 12" AND OVER SHALL BE ADS N-12 WATER TIGHT (WT) HDPE PIPE (H-20) WITH WATER TIGHT RUBBER GASKET JOINT UNLESS NOTED OTHERWISE. JOINTS SHALL MEET OR EXCEED ASTM D3212 LAB TEST AND ASTM C989 WATER TIGHT EXFILTRATION FIELD TEST.
- SEWER PIPING AND STORM DRAINS 10" AND UNDER SHALL BE MANVILLE ASTM D-3034 SDR-35 P.V.C. SEWER PIPE WITH PUSH-ON RUBBER RING JOINTS. JOINTS SHALL MEET OR EXCEED ASTM F1417 WATER TIGHT FIELD TEST.
- SEWER LINES SHALL BE INSTALLED AT MINIMUM 10 FOOT HORIZONTAL SEPARATION FROM ANY PROPOSED OR EXISTING WATER LINES.
- WHENEVER SEWER LINES MUST CROSS WATER LINES THE SEWER SHALL BE INSTALLED SO THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, WHERE 18 INCH VERTICAL SEPARATION & 10 FEET HORIZONTAL SEPARATION CAN NOT BE MET AT WATER AND SEWER CROSSINGS, BOTH THE WATER AND SEWER PIPE SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT-LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF CROSSING. BOTH PIPES SHALL BE PRESSURE TESTED BY AN APPROVED METHOD TO ASSURE WATERTIGHTNESS.
- WHENEVER UTILITIES OR STRUCTURES ARE TO BE INSTALLED WITHIN CITY/TOWN PUBLIC OR PRIVATE LAYOUT, THE EXCAVATION SHALL BE BACKFILLED WITH FLOWABLE FILL. ALL AREAS OF ROADWAY PAVEMENT & WALKWAYS DISTURBED DURING CONSTRUCTION SHALL BE RE-PAVED PER LOCAL DPW STANDARDS.
- WHENEVER ELECTRIC DUCT BANKS/CONDUITS MUST CROSS ANY UTILITY LINE SERVICE THE ELECTRIC DUCT BANKS/CONDUITS SHALL BE INSTALLED SO THAT THE BOTTOM OF THE ELECTRIC DUCT BANKS/CONDUITS ARE AT LEAST 12" ABOVE THE TOP OF THE UTILITY SERVICE. WHERE 12 INCH VERTICAL SEPARATION CAN NOT BE MET ABOVE THE TOP OF THE UTILITY SERVICE, THE ELECTRIC DUCT BANKS/CONDUITS SHALL BE RUN 12" BELOW THE BOTTOM OF THE UTILITY SERVICE.
- CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE EXCAVATION AND BACKFILL SERVICES TO THE LOCAL GAS COMPANY FOR THE INSTALLATION OF NEW GAS SERVICE AND/OR THE REMOVAL OF EXISTING GAS SERVICES. COORDINATE ALL INSTALLATIONS AND REMOVAL OF GAS SERVICES WITH LOCAL GAS CO.
- AT LEAST 20 DAYS PRIOR TO SITE DISTURBANCE, THE CONTRACTOR SHALL PREPARE AND SUBMIT THE EPA NOTICE OF INTENT (N.O.I.) FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE EPA NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEMS (NPDES) GENERAL PERMIT. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PER THE REQUIREMENTS OF THE EPA GENERAL PERMIT. AT PROJECT COMPLETION CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE EPA.
- IN THE EVENT THE CONTRACTOR IS TO INSTALL TOP COURSE OF PAVEMENT 60 OR MORE DAYS AFTER INSTALLATION OF BINDER COURSE, THE CONTRACTOR SHALL INSTALL ALL CATCH BASIN GRATES AND MANHOLE COVERS AT GRADE WITH BINDER COURSE AND SHALL BE RESPONSIBLE FOR RAISING STRUCTURES TO FINISHED GRADE.



COMPOST WATTLE FILTER SOCK & FABRIC DETAIL

- N.T.S. NOTES:
- FILTER SOCK SHALL BE 12" DIAMETER STRAW WATTLE BY NORTH AMERICAN OR APPROVED EQUAL.
 - SOCKS TO BE FILLED WITH COMPACTED STRAW OR APPROVED EQUAL.

EROSION & SEDIMENT CONTROL NARRATIVE

- EROSION CONTROL MEASURES SHOWN HEREIN ARE A MINIMUM. CONTRACTOR SHALL FURNISH THE SERVICES OF AN INDEPENDENT PROFESSIONAL ENGINEER OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL TO PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). PRIOR TO COMMENCEMENT OF DEMOLITION SITE PREPARATION OR EARTHWORK SAID PLAN SHALL BE IMPLEMENTED. THE INITIAL METHOD OUTLINED IS INTENDED TO ROUTE ALL PRACTICABLE SURFACE WATER FROM THE EXCAVATION AREA INTO EROSION CONTROL FACILITIES. THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL PROTECTIVE MEASURES AS MAY BE REQUIRED TO CONTROL EROSION AND SEDIMENT RUNOFF FROM THE SITE DURING CONSTRUCTION.
- STAKE THE LIMIT OF WORK TO ENSURE THAT ALL WORK WILL BE INSIDE THE EROSION CONTROL FACILITY. THE LIMIT OF WORK WILL BE INDICATED BY ORANGE CONSTRUCTION MESH. THE MESH WILL INCLUDE BUILDINGS, PARKING FACILITIES, ACCESS ROADS, DETENTION/RETENTION BASINS, EQUIPMENT STAGING AREAS AND ALL MATERIAL STOCKPILE AND HANDLING AREAS.
- PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES ON SITE, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON SITE TO ESTABLISH SUPERVISORY AND INSPECTION PROCEDURES FOR SEDIMENT AND EROSION CONTROL MEASURES. THIS MEETING SHALL BE ATTENDED BY THE CONTRACTOR, APPLICANT/OWNER, ARCHITECT/ENGINEER AND THE LOCAL EROSION CONTROL AGENT.
- THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR PROTECTION OF ANY LANDS OR PROPERTIES AS MAY BE SUBJECT TO ANY AFFECT OR BY-PRODUCT OF HIS DEMOLITION/CONSTRUCTION EFFORT. SPECIAL CARE SHALL BE TAKEN TO AVOID EROSION OF FILL OR CUT SLOPES ONTO ADJACENT PROPERTIES OR DOWNSTREAM SILTATION OF DIVERSION OF EXISTING DRAINAGE. ANY DAMAGE IS TO BE CORRECTED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE WORK IS TO BE PHASED. CONSTRUCT THE PROJECT IN PHASES AS DIRECTED BY THE ARCHITECT/ENGINEER TO SUIT THE PROJECT SCHEDULE.
- GENERAL SEQUENCE SHALL BE AS FOLLOWS:
 - ESTABLISH HAYBALE/SILT BARRIER & CONSTRUCTION FENCE PRIOR TO ANY EARTHWORK
 - INSTALL SITE ENTRANCE MATS AT SITE CONSTRUCTION ENTRANCES AS DETAILED.
 - CONSTRUCT TEMPORARY SETTLING BASINS AND INSTALL EROSION CONTROL DEVICES.
 - CLEAN AND GRUB VEGETATION AS REQUIRED. REMOVE AND DISPOSE OF ALL STUMPS FROM SITE.
 - PERFORM MASS EARTHWORK AND ROCK EXCAVATION FOR THE SITE.
 - PROTECT ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES FROM SEDIMENT BY THE USE OF DANDY BAGS AND HAY BALES AT CATCH BASIN AS DETAILED.
- AT NO TIME SHALL SILT LADEN WATER BE ALLOWED TO ENTER ENVIRONMENTALLY SENSITIVE AREAS AND EXISTING OR NEW DRAINAGE SYSTEMS. RUNOFF FROM DISTURBED SURFACES SHALL BE DIRECTED THROUGH SETTLING BASINS AND EROSION CONTROL MEASURES PRIOR TO ENTERING ANY ENVIRONMENTALLY SENSITIVE AREAS OR THE DRAINAGE SYSTEM.
- DEWATER ALL EXCAVATIONS AND TRENCHES, AS REQUIRED, WITH DEWATERING BAGS AND OUTFALLS AT CONTROLLED TEMPORARY SETTLING BASINS.
- INSTALL STONE REINFORCED SILT BARRIER AROUND STOCKPILE AREAS, TRUCK WASH DOWN AREAS AND VEHICLE FUELING AREAS.
- INSTALL TEMPORARY SEED OR MULCH AND EROSION CONTROL BLANKETS (ECB) TO ALL AREAS IMMEDIATELY UPON FORMATION OF GRADES.
- SURFACE STABILIZATION MUST BE IMPLEMENTED WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN A PORTION OF THE SITE THAT HAS CEASED OR IS TEMPORARILY HALTED.
- TRUCK WASH DOWN AREA SHALL BE 20'(L)x20'(W) AT A MINIMUM SURROUNDED BY STONE REINFORCED SILT BARRIER. ACCUMULATED CONCRETE SHALL BE EITHER RECYCLED ON SITE OR DISPOSED OF AT AN APPROVED OFF-SITE LOCATION.
- CONTRACTOR REFUELING AREA SHALL BE 20'(L)x20'(W) AT A MINIMUM SURROUNDED BY STONE REINFORCED SILT BARRIER. AREA SHALL BE SCRAPED AND REDRESSED MONTHLY. THE DEPTH SHALL BE DETERMINED IN THE FIELD. SCRAPED MATERIAL SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED OFF-SITE LOCATION.
- AS SOON AS PAVING OF DRIVES IS COMPLETED, ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF ANY ACCUMULATED SEDIMENT. THEREAFTER, CLEAN UP SHOULD FOLLOW LONG TERM MAINTENANCE PLAN.
- CONTINUALLY MONITOR ALL SILT BARRIER AND EROSION CONTROL DEVICES ON A WEEKLY BASIS, REPAIR ANY DAMAGED AREAS IMMEDIATELY. REMOVE ALL CAPTURED SEDIMENT AS REQUIRED AND DISPOSE OF. INSTALL ADDITIONAL MEASURES AS DIRECTED BY THE OWNER, LOCAL DPW AND THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL REDUCE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AS REQUIRED BY CONSTRUCTION ACTIVITIES. CONSTRUCTION ACTIVITIES SHALL BE SO SCHEDULED SO THAT THE LEAST AREA OF DISTURBED SOIL IS EXPOSED AT ONE TIME. IN DISTURBED AREAS NOT SUBJECT TO TRAFFIC, CONTRACTOR SHALL USE TEMPORARY SEEDING AND MULCHING OPERATIONS. IN DISTURBED AREAS SUBJECT TO TRAFFIC, CONTRACTOR SHALL SPRINKLE SURFACE WITH WATER TO MINIMIZE DUST. DUST CONTROL MEASURES SHALL BE MAINTAINED THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- REMOVE CONSTRUCTION FENCE, SILT BARRIER AND EROSION CONTROL MEASURES ONLY AFTER ESTABLISHMENT OF PERMANENT VEGETATION.

SITE OPERATIONAL PROCEDURES

OPERATION PROCEDURES DURING CONSTRUCTION SHALL BE BY THE CONTRACTOR AFTER PROJECT COMPLETION OPERATION PROCEDURES SHALL BE THE RESPONSIBILITY OF THE OWNER AND ARE AS FOLLOWS:

- GOOD HOUSE KEEPING AND MATERIAL MANAGEMENT REDUCES THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE DEVELOPED BY THE CONTRACTOR 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 ON-SITE, DURING ALL CONSTRUCTION PHASES.
 - ORIGINAL MATERIALS LABELS AND MATERIAL SAFETY DATA SHEETS SHALL BE KEPT; THEY RETAIN IMPORTANT INFORMATION.
 - PETROLEUM PRODUCTS:
 - 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:
 - FERTILIZERS SHALL ONLY BE USED IN THE MINIMUM AMOUNTS AS RECOMMENDED BY THE MANUFACTURER.
 - THE CONTENTS OF ANY UN-USED FERTILIZER SHALL BE TRANSFERRED TO A CLEARLY LABELED, SEALABLE PLASTIC BIN, TO AVOID SPILLAGE.
 - PAINTS, SOLVENTS:
 - 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. WHERE NOT POSSIBLE, THE WORK AREA SHALL BE PROTECTED WITH IMPERMEABLE DROP CLOTHES OR TARPS. AT NO POINT SHALL PAINT AND SOLVENTS BE USED 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 CLEAN-UP AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF CLEAN-UP INFORMATION AND SUPPLIES.
 - MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEAN-UP 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, INCLUDING DRAINAGE BASINS. NO PLOWING OR STORAGE OF SNOW INTO WETLANDS OR BIO-RETENTION AREAS.
 - 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 AS PART OF AN ORDER OF CONDITIONS ISSUED BY THE PLANNING BOARD.

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____

DATE SIGNED: _____

SIGNATURES: _____

STORMWATER SYSTEM MAINTENANCE NOTES

THE DRAINAGE SYSTEMS ARE TO BE MONITORED THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT THE CONTRACTOR SHALL DO A FULL MAINTENANCE OF THE STORMWATER SYSTEM AND SITE. UPON COMPLETION OF THE CONTRACTORS FINAL MAINTENANCE CLEAN UP THE PROJECT MONITORING SHALL BE THE RESPONSIBILITY OF THE TOWN OF MILLBURY, HEREAFTER REFERRED TO AS THE OWNER. DURING CONSTRUCTION THE CONTRACTOR SHALL BE REQUIRED TO KEEP AND SUBMIT A WEEKLY LOG OF ALL INSPECTIONS AND REQUIRED MAINTENANCE. THIS LOG SHALL BE MADE AVAILABLE TO THE MILLBURY PLANNING BOARD, DPW, ARCHITECT & ENGINEER AT ALL TIMES.

UPON SUBSTANTIAL COMPLETION OF THE PROJECT. THE OWNER SHALL DESIGNATE A QUALIFIED PROFESSIONAL ENTITY OR INDIVIDUAL TO PERFORM ALL MONITORING. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE ENTITY OR INDIVIDUAL SHALL BE PROVIDED TO THE MILLBURY PLANNING BOARD, & DPW. THE OWNER'S REPRESENTATIVE SHALL BE REQUIRED TO KEEP A LOG OF ALL REQUIRED INSPECTIONS AND MAINTENANCE REQUIRED. THE LOG SHALL BE MADE AVAILABLE TO THE PLANNING BOARD AND HIGHWAY DEPARTMENT.

THE DRAINAGE SYSTEMS INCLUDE DEEP-SUMP CATCH BASINS, WATER QUALITY STRUCTURES, LEACHING PITS AND SUBSURFACE INFILTRATION BEDS. THESE FACILITIES PROVIDE PARTIAL TREATMENT OF STORMWATER RUNOFF PRIOR TO DISCHARGE AND/OR INFILTRATION TO GROUNDWATER.

PRIOR TO THE COMMENCEMENT OF EARTHWORK ACTIVITIES, FURNISH ALL LABOR, EQUIPMENT AND TOOLS REQUIRED TO INSPECT AND CLEAN ALL EXISTING CATCH BASINS, DRAIN INLETS, DRAIN MANHOLES, OUTLETS AND INTERCONNECTING PIPE WITHIN THE LIMITS OF THE PROPERTY. FURNISH A REPORT OUTLINING INSPECTION AND CLEANING RESULTS TO THE ARCHITECT.

CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF CONTRACTOR)

- SILT BARRIER:**

MONITOR SILT BARRIER ON A WEEKLY BASIS AND AFTER EVERY RAIN STORM. REPAIR ANY DAMAGED AREAS IMMEDIATELY. REMOVE AND DISPOSE OF ALL CAPTURED SEDIMENT.
- PAVED AREAS:**

PARKING LOT, ROAD AND ALL ACCESS WAYS AND GUTTERS SHALL BE SWEEPED CLEAN OF ALL DEBRIS. SWEEPING SHALL BE PERFORMED ON A WEEKLY BASIS.
- DRAIN INLET:**

ALL DRAIN INLETS SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM. SHOULD CATCH BASIN SUMPS BECOME FILLED WITH SEDIMENT TO HALF ITS DEPTH (2') OR (1') FOR DRAIN MANHOLES THEY SHALL BE CLEANED IMMEDIATELY.
- CATCH BASINS AND DRAIN MANHOLES:**

ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM. SHOULD CATCH BASIN SUMPS BECOME FILLED WITH SEDIMENT TO HALF ITS DEPTH (2') OR (1') FOR DRAIN MANHOLES THEY SHALL BE CLEANED IMMEDIATELY.
- WATER QUALITY STRUCTURES:**

ALL WATER QUALITY STRUCTURES SHALL BE INSTALLED AS DETAILS AND INSPECTED AFTER EVERY RAIN STORM. SHOULD STRUCTURE BECOME FILLED WITH SEDIMENT TO A DEPTH OF 10" WITHIN CHAMBER, THEY SHALL BE CLEANED IMMEDIATELY.
- SUBSURFACE DRAINAGE BEDS:**

SUBSURFACE DRAINAGE BEDS SHALL BE INSPECTED AFTER EVERY RAIN STORM. CARE SHALL BE TAKEN TO PREVENT SILTATION OF THE BEDS AFTER INSTALLATION. PRETREATMENT BMP'S (CATCH BASINS AND WATER QUALITY STRUCTURES) MUST BE MAINTAINED AND CLEANED PER THE AFOREMENTIONED PROCEDURES TO ENSURE PROPER FUNCTIONING. BEDS SHALL BE MONITORED FOR ANY PONDING AND SEDIMENT/DEBRIS. SEDIMENT AND DEBRIS SHALL BE REMOVED BY A VAC-TRUCK.

DISPOSAL OF THE ACCUMULATED SEDIMENT MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.

POST CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS: (RESPONSIBILITY OF THE OWNER)

- PAVED AREAS:**

PARKING LOT, ROAD AND ALL ACCESS WAYS AND GUTTERS SHALL BE SWEEPED CLEAN OF ALL DEBRIS. SWEEPING SHALL BE PERFORMED TWICE ANNUALLY USING A MECHANICAL SWEEPER SCHEDULED IN SPRING AND FALL.
- CATCH BASINS:**

ALL CATCH BASINS SHALL BE INSPECTED TO ENSURE THEY HAVE ADEQUATE SUMP CAPACITY. OIL/GREASE HOODS ARE IN PLACE. FRAMES & GRATES ARE NOT DAMAGED. CATCH BASINS SHALL BE INSPECTED EVERY THREE MONTHS SCHEDULED IN SPRING, SUMMER, FALL AND WINTER AND AT THE END OF THE FOLIAGE AND SNOW REMOVAL SEASONS. CATCH BASIN SUMPS SHALL BE CLEANED ANNUALLY OR WHEN THE CATCH BASIN SUMPS BECOME FILLED WITH SEDIMENT TO HALF ITS DEPTH (2').
- DRAIN MANHOLES:**

ALL DRAIN MANHOLES SHALL BE INSPECTED TO ENSURE COVERS AND GRATES ARE NOT DAMAGED AND ARE DRAINING FREELY ON A MONTHLY BASIS. MANHOLES SHALL BE CLEANED SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS.
- WATER QUALITY INLETS:**

ALL WATER QUALITY STRUCTURES SHALL BE INSPECTED TO ENSURE MANHOLE FRAMES AND COVERS ARE NOT DAMAGED, AND UNIT IS DRAINING FREELY ON A MONTHLY BASIS. INSPECT UNIT IMMEDIATELY AFTER ANY FUEL, OIL OR CHEMICAL SPILL. CLEAN STRUCTURES SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS OR ONCE SEDIMENT DEPTH REACHES 15%, OR APPROXIMATELY 8", OF STORAGE CAPACITY.
- SUBSURFACE DRAINAGE BEDS:**

SUBSURFACE DRAINAGE BEDS SHALL BE INSPECTED SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS, AND AFTER EVERY MAJOR STORM EVENT (1" OR GREATER RAINFALL OVER A 24 HOUR PERIOD). BEDS SHALL BE MONITORED FOR ANY PONDING AND SEDIMENTATION/DEBRIS. SEDIMENT AND DEBRIS SHALL BE REMOVED BY A VAC-TRUCK. AFTER THE MAJOR STORM EVENT THE SYSTEM SHALL BE MONITORED WITHIN A 72 HOUR PERIOD. IF SYSTEM FAILS TO DRAIN WITHIN A 72 HOUR PERIOD THE OWNER SHALL RETAIN A QUALIFIED PROFESSIONAL ENGINEER TO ASSESS WHETHER THE INFILTRATION BED HAS FAILED AND RECOMMENDED ANY CORRECTIVE ACTION THAT IS REQUIRED.
- OUTLET CONTROL STRUCTURES:**

OUTLET CONTROL STRUCTURES SHALL BE INSPECTED SEMIANNUALLY AT THE END OF FOLIAGE AND SNOW REMOVAL SEASONS. STRUCTURES SHALL BE INSPECTED TO ENSURE INLET, OUTLET & GRIFCE PLATE ARE FREE OF DEBRIS AND TO ENSURE ORIFICE PLATE IS SECURE TO BAFFLE WALL.

DISPOSAL OF THE ACCUMULATED SEDIMENT MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS. IF ANY STRUCTURE OR OUTFALL INDICATES THE PRESENCE OF PETROLEUM IT SHALL BE REMOVED AND DISPOSED OF IMMEDIATELY IN ACCORDANCE WITH APPLICABLE REGULATIONS.

THE RESULTS OF THE INSPECTIONS, ALONG WITH THE DETERMINATION OF ANY REMEDIAL WORK THAT MAY BE FOUND TO BE NECESSARY AS A RESULT OF THE INSPECTION, SHALL BE SUBMITTED TO THE PLANNING BOARD WITHIN (30) DAYS OF THE INSPECTION. PROVISIONS FOR INSPECTIONS AND ANY REMEDIAL REPAIRS DEEMED NECESSARY SHALL BE THE RESPONSIBILITY OF THE OWNER.

context
ARCHITECTURE



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CONSULTING ENGINEERS, INC.
117 HARRISON AVENUE, SUITE 200, MILLBURY, MA 01501-1001
(508) 465-0000 • FAX (508) 465-0001 • WWW.GGDES.COM

SITE PLAN REVIEW:
JANUARY 28, 2021
NOT FOR CONSTRUCTION

Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902

Scale: 1" = 20'
Drawn by: NCK

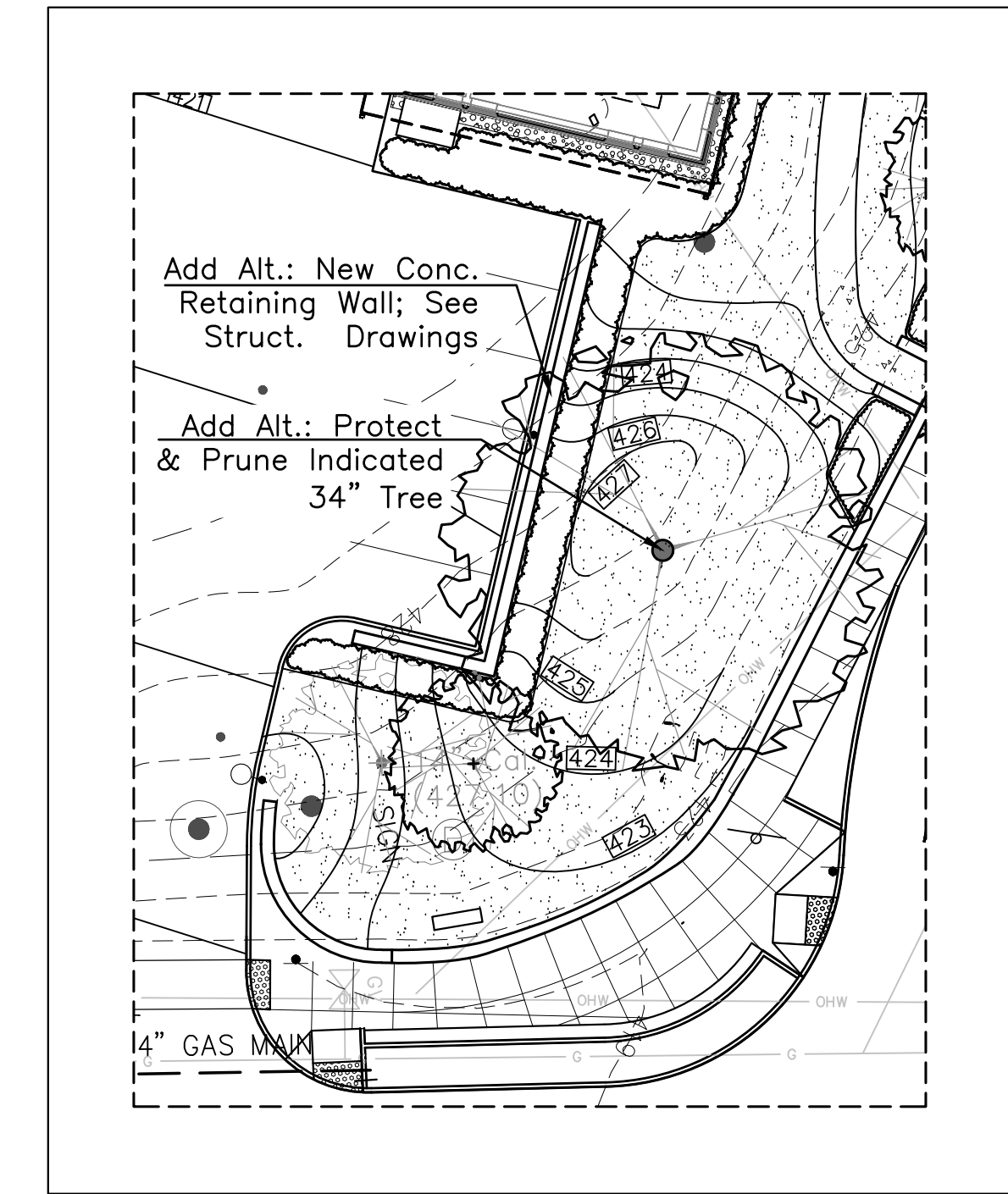
No. Issue Date
1 PLANNING BOARD 1/25/21

C0.1

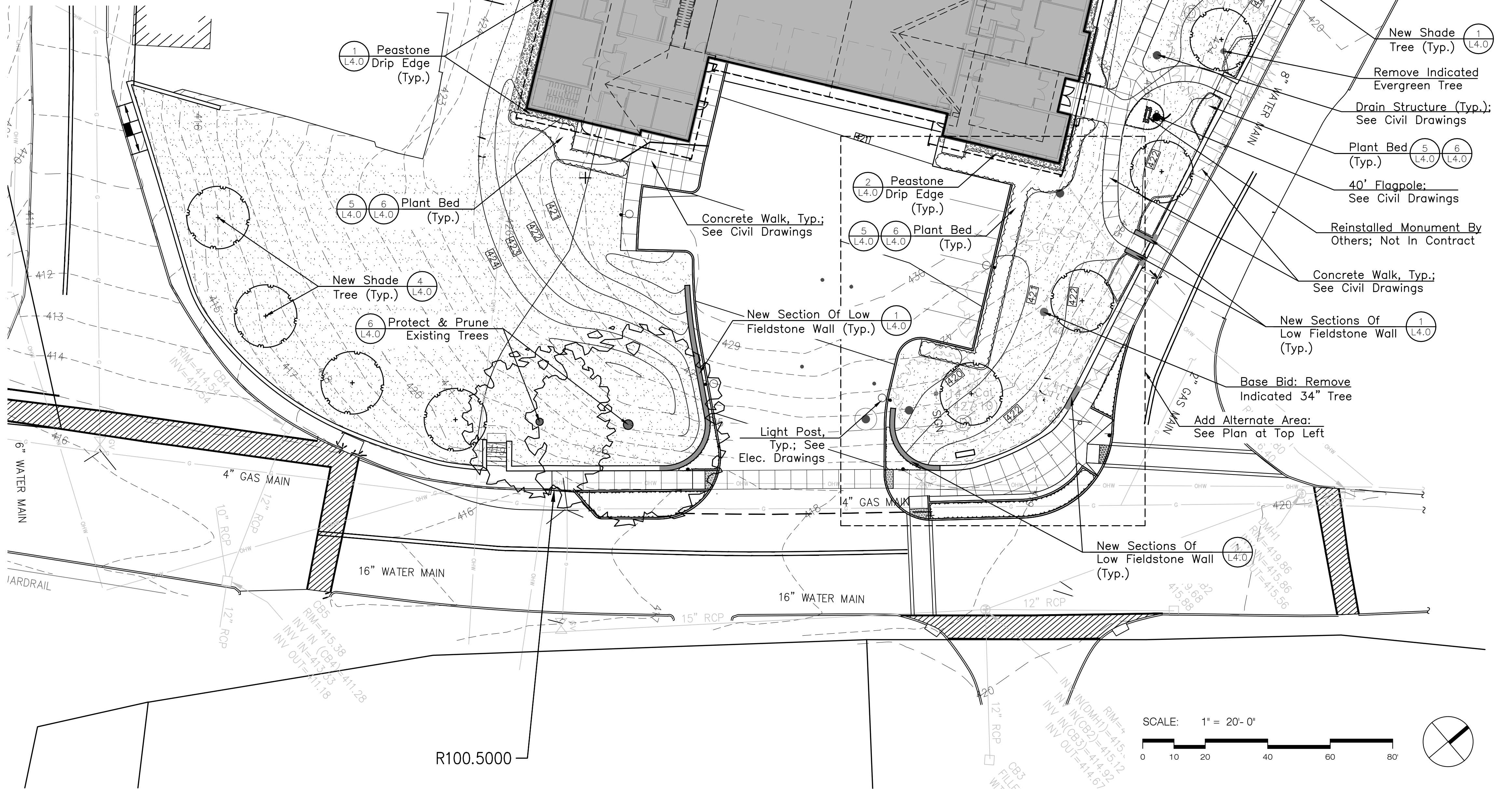
MATERIAL NOTES

1. The Contractor shall verify locations of and protect all utilities, drainage, and sub-drainage structures prior to commencing work. The Contractor will take sole responsibility for the cost incurred due to damage and replacement of all utilities damaged on the site.
2. All site construction shall be in conformance with the Massachusetts Department of Transportation (MassDOT) standard specifications for highways and bridges, and the City of Boston DPW.
3. Contractor shall verify all dimensions and elevations on the ground and report any discrepancies to the Landscape Architect prior to commencing construction.
4. All utility & drain lines to be coordinated with footings for site features.
5. Repair any damage to existing site features to remain and to any disruption beyond the limit of work.

Erosion control is not shown for clarity. See Civil Plans for erosion control locations.



○ ADD ALT.
Scale: 1" = 20'-0"



APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE, MA 02141
phone 617.845.9760 | www.cballand.com | cba@cballand.com
landscape architecture
urban design
master planning

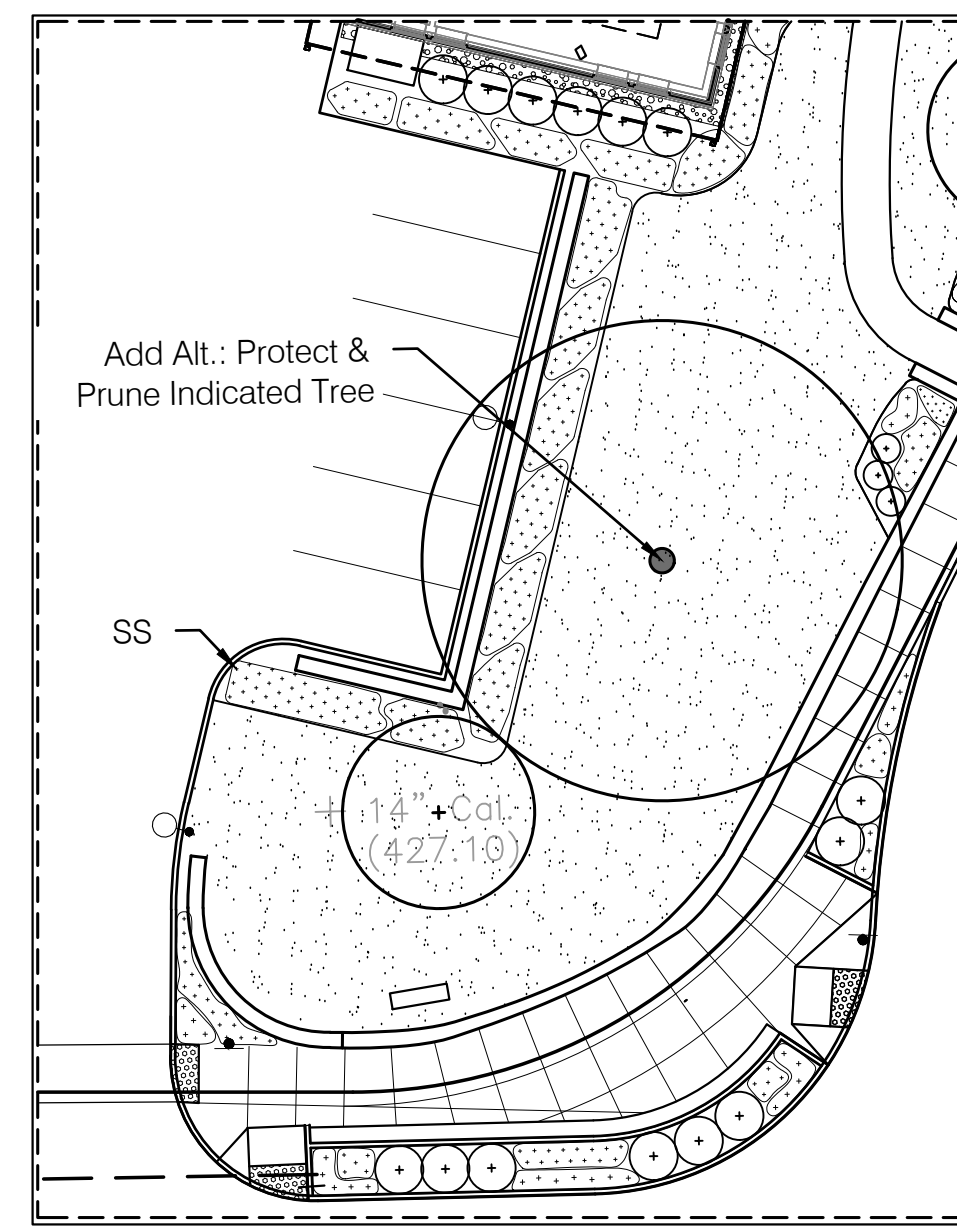
MILLBURY FIRE STATION
ELM STREET, MILLBURY MA 01527
project number:
LANDSCAPE MATERIALS PLAN

Scale: 1" = 20'-0"
Drawn by: EAT/DJC

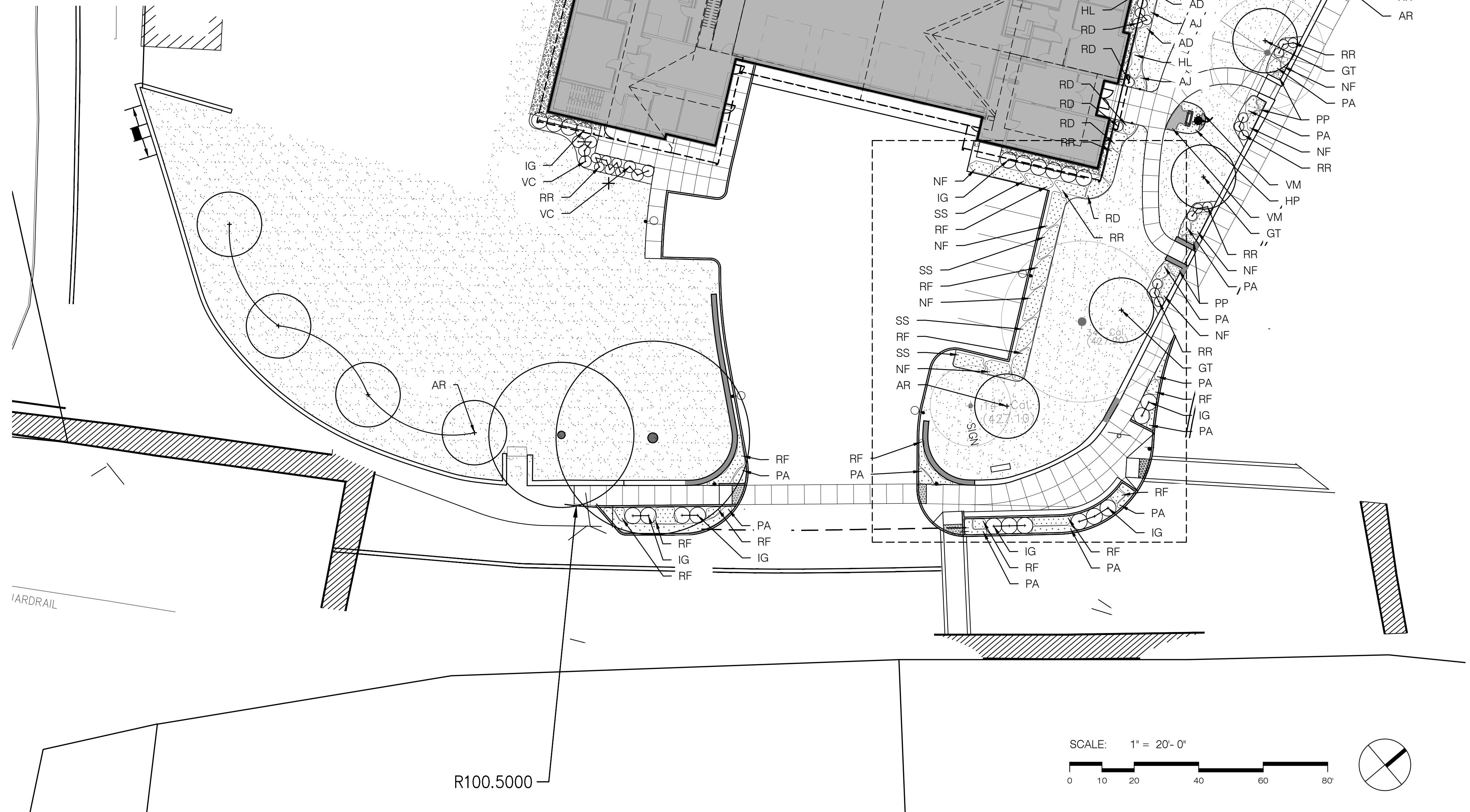
No. Issue Date
1 Planning Board 1/25/21

L1.0

TREES				
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AR		Acer rubrum 'October Glory'	Red Maple	
GT		Gleditsia triacanthos 'Skyline'	Skyline Honey Locust	
PS		Pinus strobus	White Pine	
SHRUBS				
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
HQ		Hydrangrea quercifolia 'Ruby Slippers'	Ruby Slippers Oakleaf Hydrangrea	
IG		Ilex glabra 'Densa'	Inkberry	
RD		Rhododendron 'Dora Amateis'	Dora Amateis Rhododendron	
RR		Rosa x 'Radtko'	Double Knockout Rose	
TO		Thuja occidentalis 'Smaragd'	Emerald Green Arborvitae	
VC		Viburnum carlesii 'Compactum'	Koreanspice Viburnum	
PERENNIALS				
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AD		Astilbe x arendsii 'Deutschland'	Deutschland Astilbe	
AJ		Astilbe x arendsii 'Jump and Jive'	Jump and Jive Astilbe	
CA		Coreopsis auriculata 'Nana'	Mouse Ear Coreopsis	
EP		Echinacea purpurea 'Powwow Wild Berry'	Purple Coneflower	
HL		Hosta 'Love Pat'	Love Pat Hosta	
HP		Hosta x 'Patriot'	Patriot Hosta	
NF		Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	
PA		Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	
PP		Phlox stolonifera 'Pink Ridge'	Pink Ridge Creeping Phlox	
RF		Rudbeckia fulgida 'Goldsturm'	Goldsturm Black-Eyed Susan	
SS		Sedum spectabile 'Autumn Joy'	Autumn Joy Sedum	
GROUNDCOVER				
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
VM		Vinca minor	Common Periwinkle	

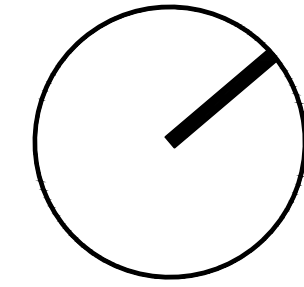


 ADD ALT.
Scale: 1" = 20'-0"



1. The Contractor shall protect all utilities prior to starting construction.
2. The Contractor shall supply all plant materials in quantities sufficient to complete all planting shown on this drawing.
3. All plant materials to conform to guidelines established by the American Standard for Nursery Stock published by the American Assn. of Nurserymen.
4. All plant materials to be selected by the Landscape Architect at the nursery unless otherwise directed by the Landscape Architect.
5. Landscape Architecture to tag all trees and shrubs at nursery and approve all plant materials on site prior to installation.
6. All plants to be located on the site for approval of the Landscape Architect prior to installation.
7. If the Plant List does not agree with the Planting Plan, the Plan shall be followed.
8. The Contractor shall guarantee all plant materials for one year following installation. Contractor to be responsible for first mowing of lawn.
9. All plant beds to receive 3" un-dyed shredded bark mulch; supply sample for approval by Landscape Architect.
10. All planting beds to have a minimum 12" depth of topsoil.
11. All lawn areas to be hydroseeded. Remove old lawn, weeds and mulch and rototill. Add topsoil so that all lawn areas have a minimum 6" depth of topsoil. See specs for soil and hydroseeding requirements, maintenance and warranty.
12. No substitution of plant materials shall be allowed without approval of Landscape Architect.
13. Maintenance shall begin immediately after an area is planted and shall continue until final acceptance. The minimum maintenance period shall be ninety (90) calendar days after completion of all plant installations. Watering and mowing shall be done by the Contractor for the full 90 days.

**APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD**



context
ARCHITECTURE
68 HARRISON AVENUE BOSTON, MA 02111 TEL 617 233 1400 WEB CONTEXTARC.COM

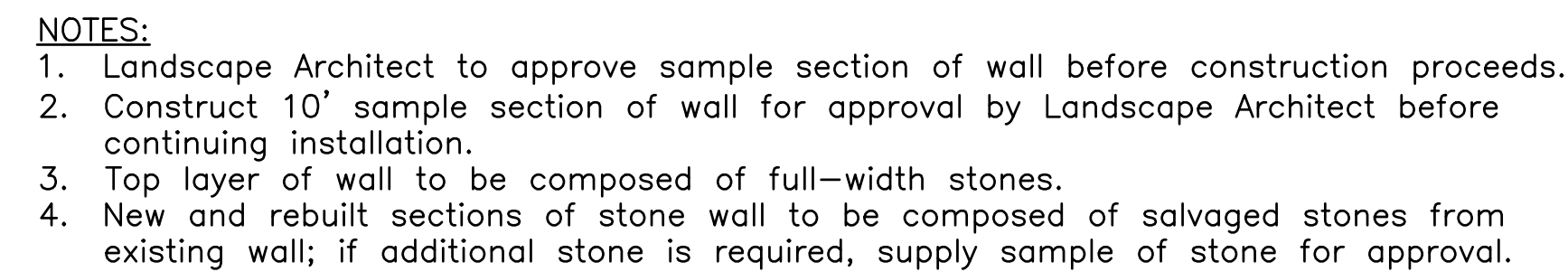
CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com | cba@cband.com
landscape architecture
urban design
master planning

MILLBURY FIRE STATION
ELM STREET, MILLBURY MA 01527
project number:
LANDSCAPE PLANTING PLAN

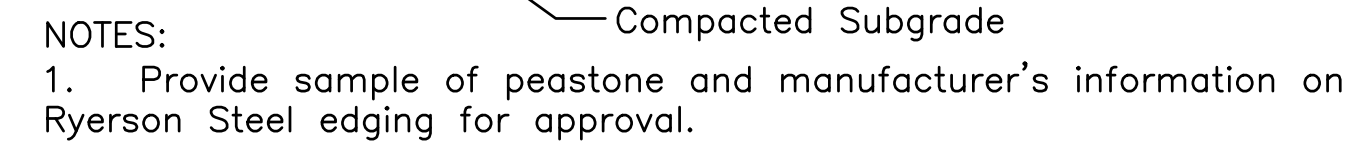
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Drawn by: EAT/DJC

Issue	Date
Planning Board	1/25/21

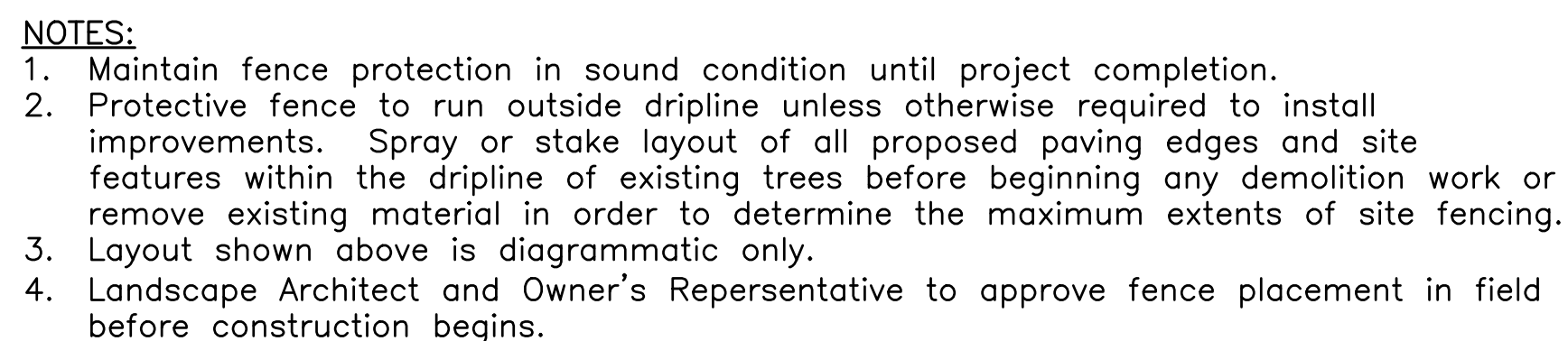
L3.0



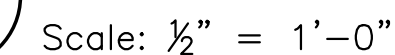
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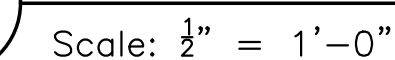
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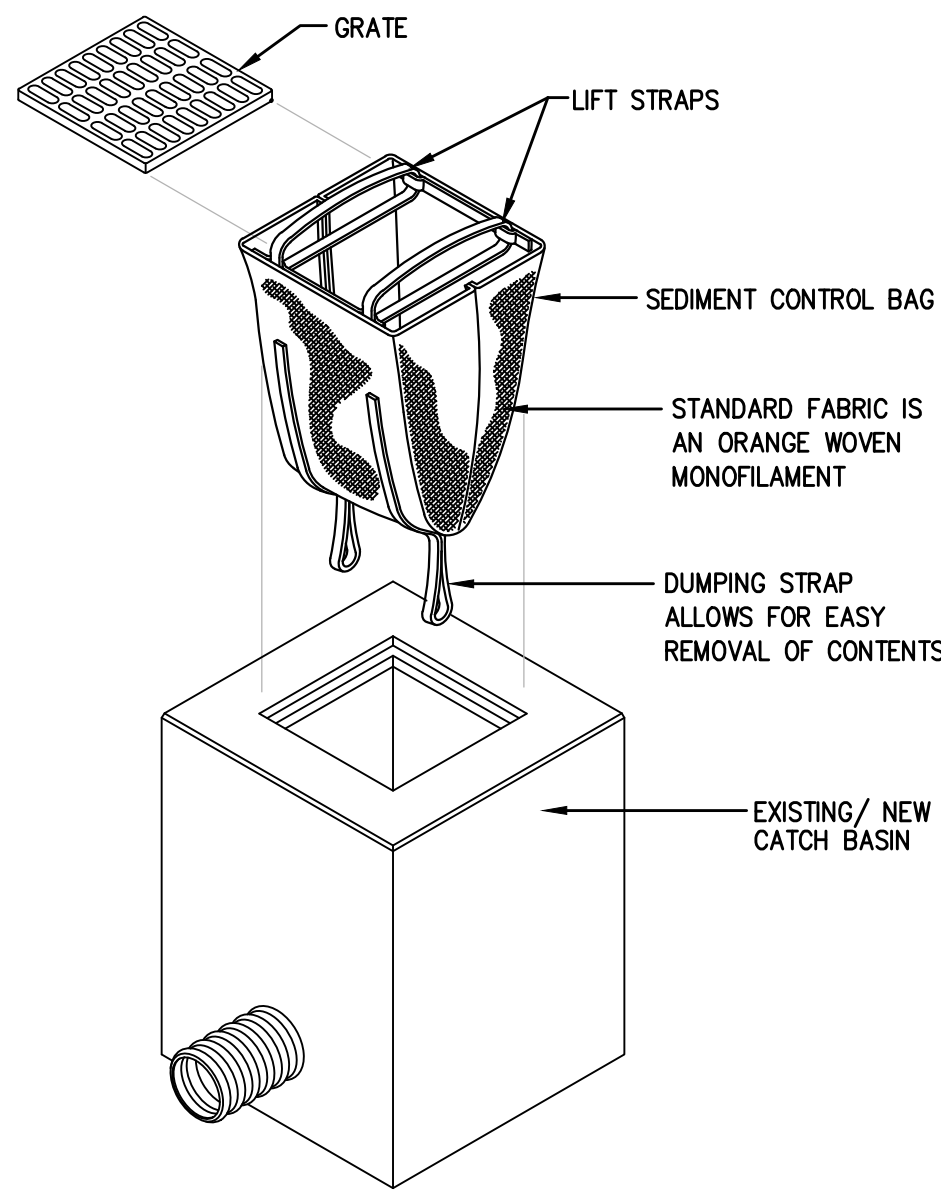


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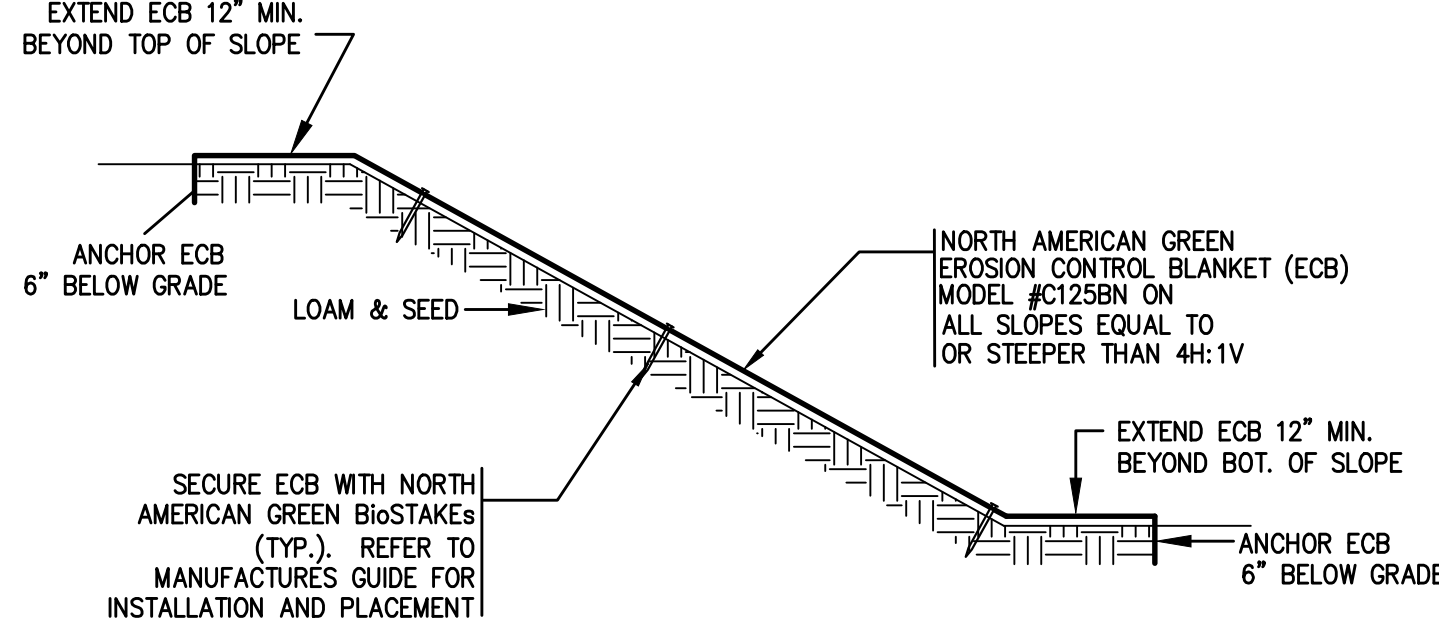


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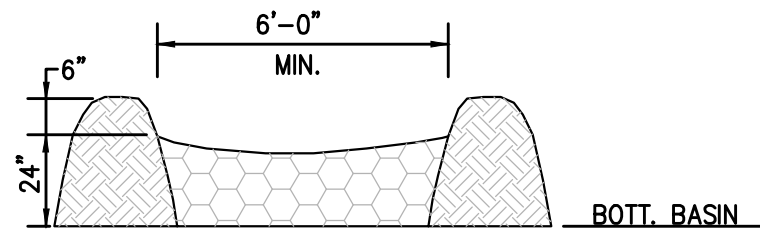




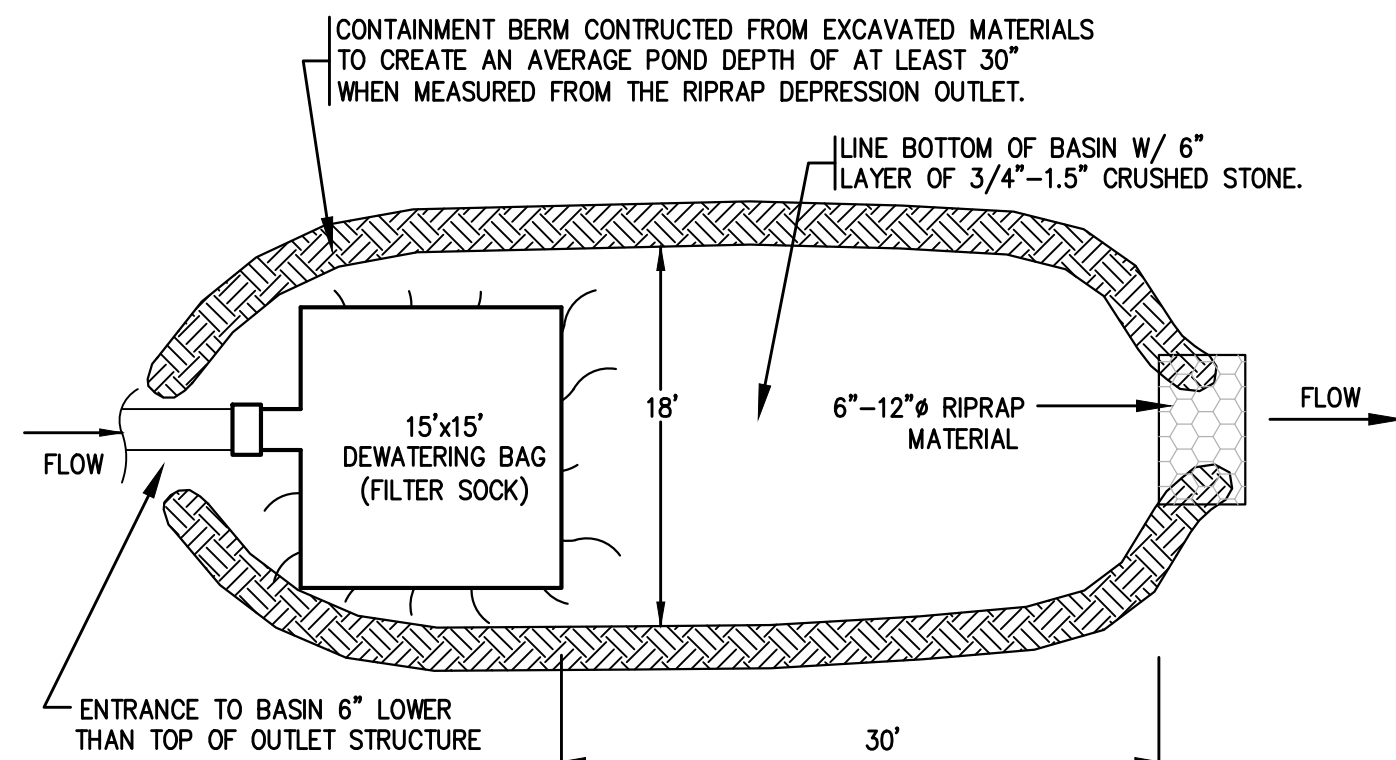
1 SEDIMENT CONTROL BAG
C0.2 N.T.S.



2 SLOPE PROTECTION TREATMENT DETAIL
C0.2 N.T.S.

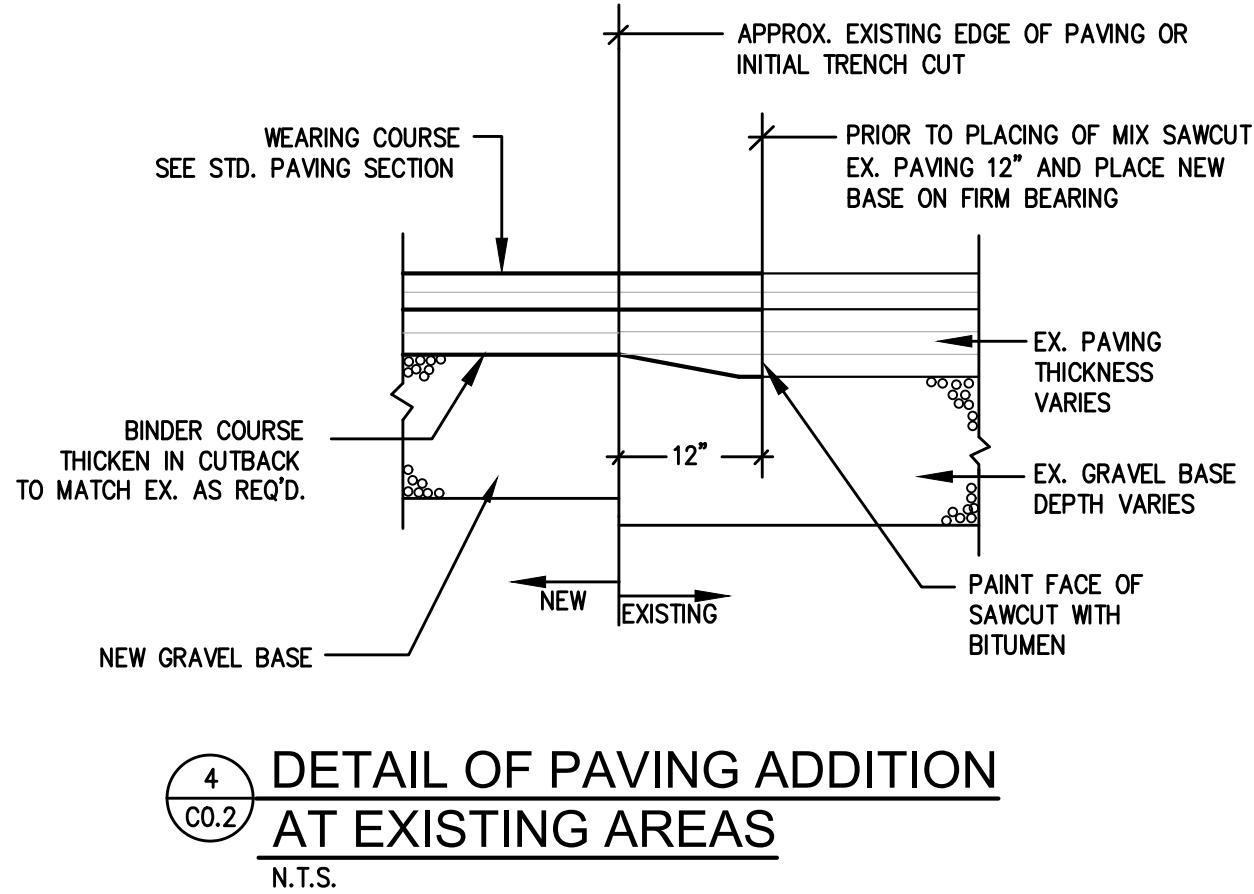


OUTLET VIEW

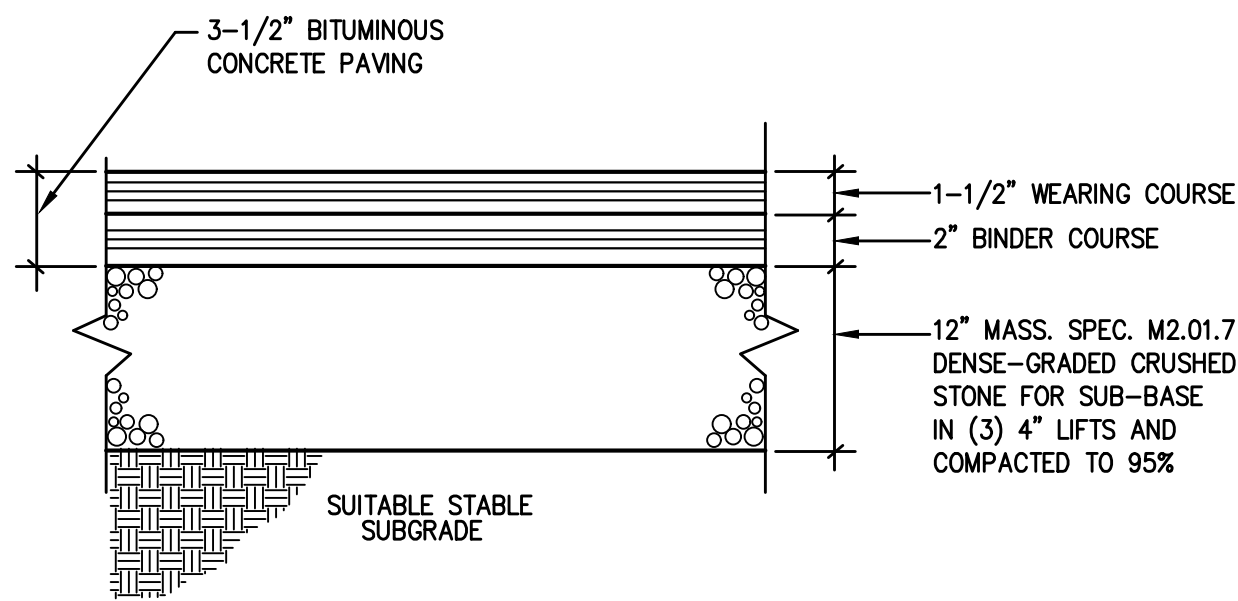


PLAN VIEW

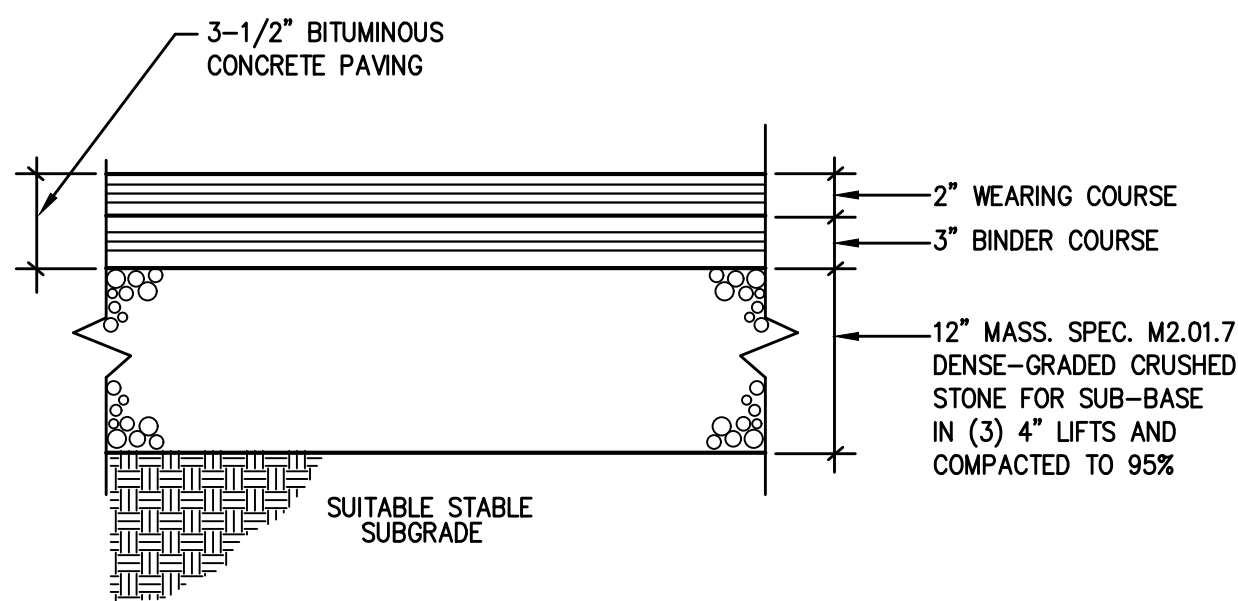
3 DETAIL OF DEWATERING BASIN
C0.2 SCALE: N.T.S.



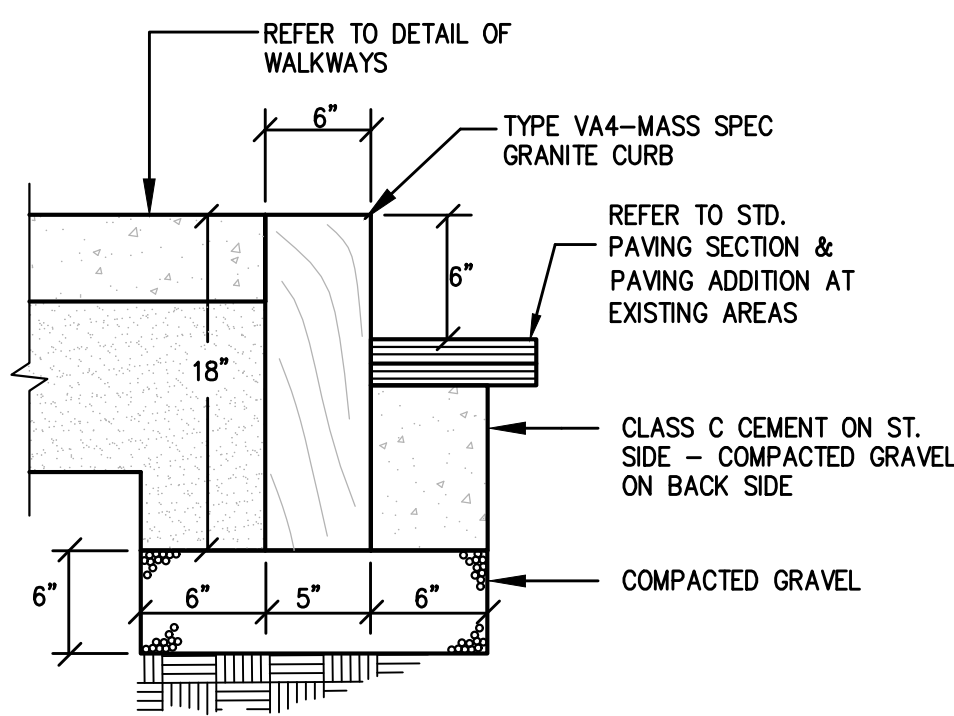
4 DETAIL OF PAVING ADDITION
AT EXISTING AREAS
N.T.S.



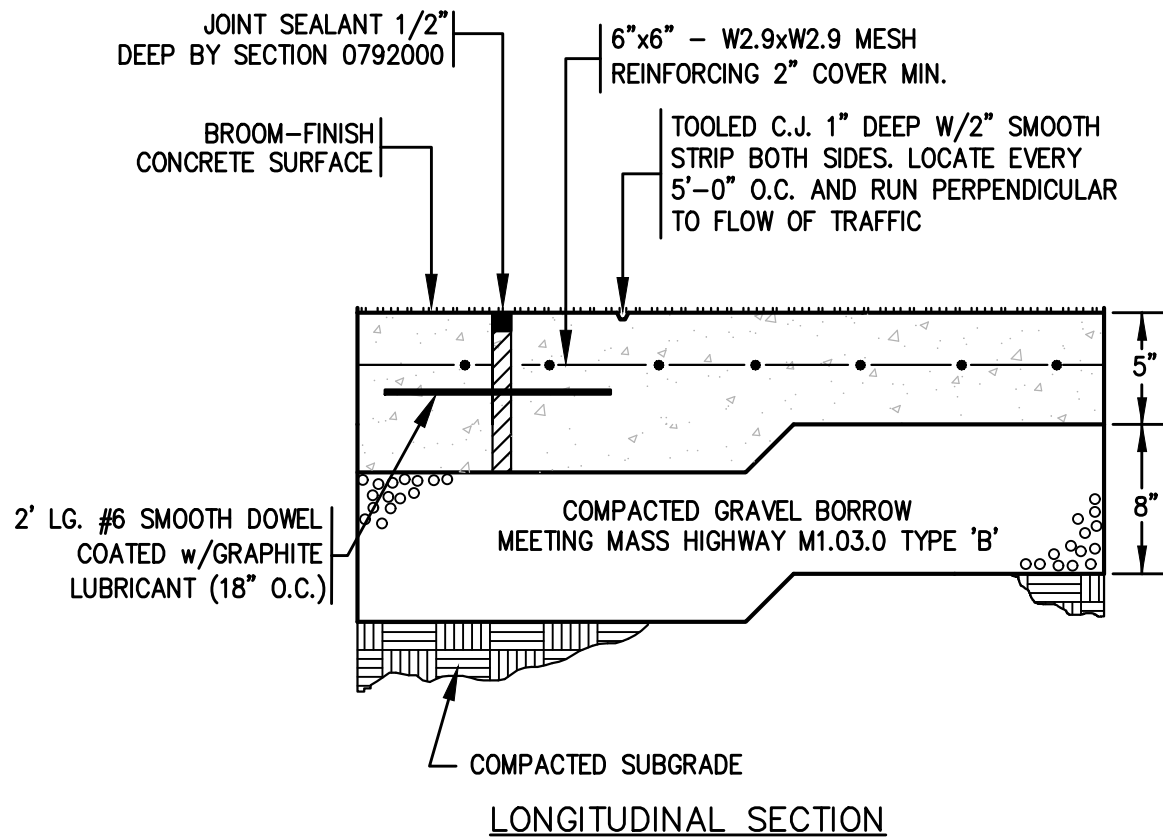
5 STANDARD PAVING SECTION
C0.2 N.T.S.



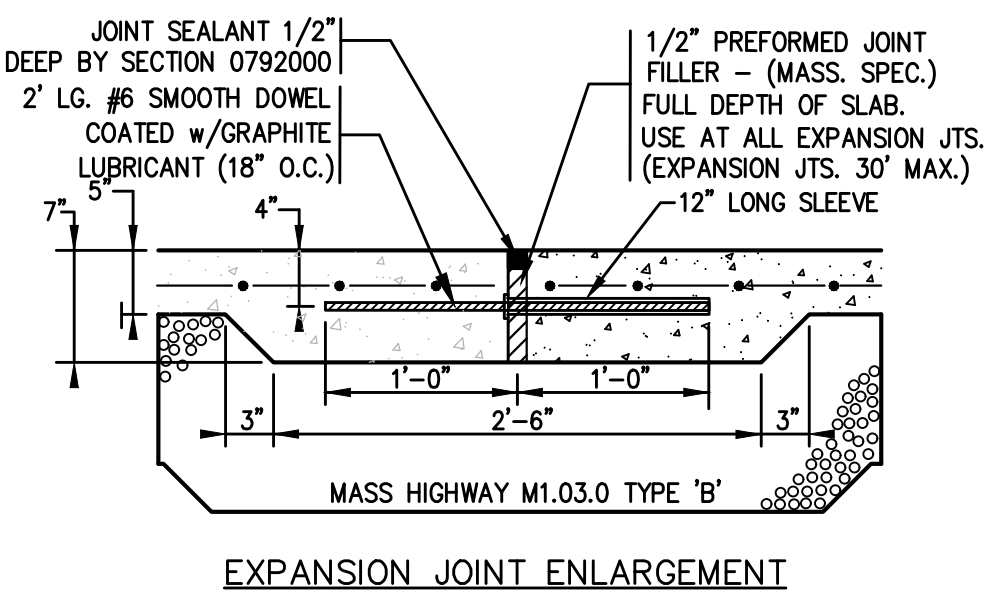
6 HEAVY DUTY PAVING SECTION
C0.2 N.T.S.



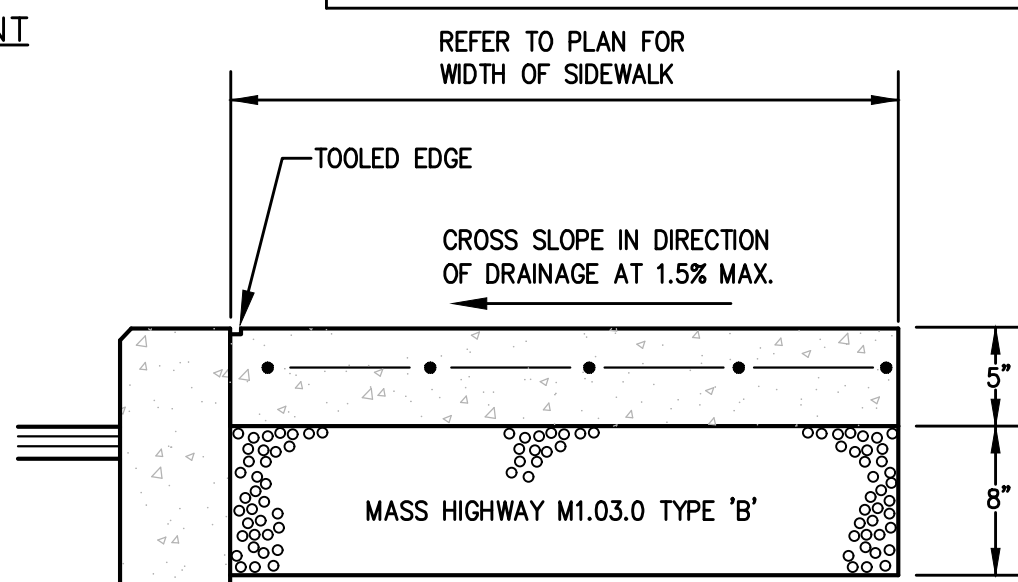
7 DETAIL OF VERTICAL GRANITE CURB
C0.2 N.T.S.



LONGITUDINAL SECTION



EXPANSION JOINT ENLARGEMENT



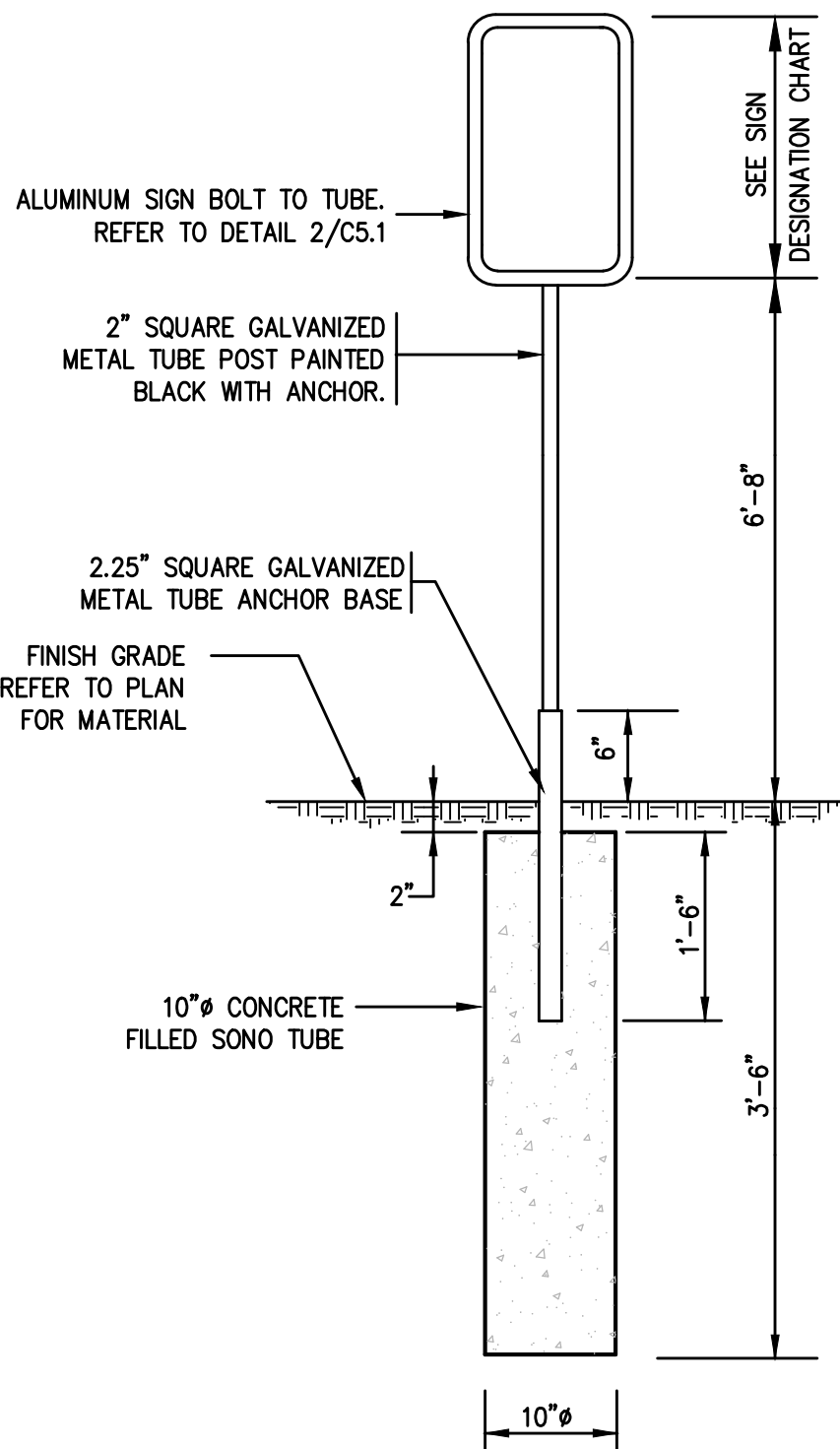
CROSS SECTION

8 CONCRETE SIDEWALK DETAIL
C0.2 N.T.S.

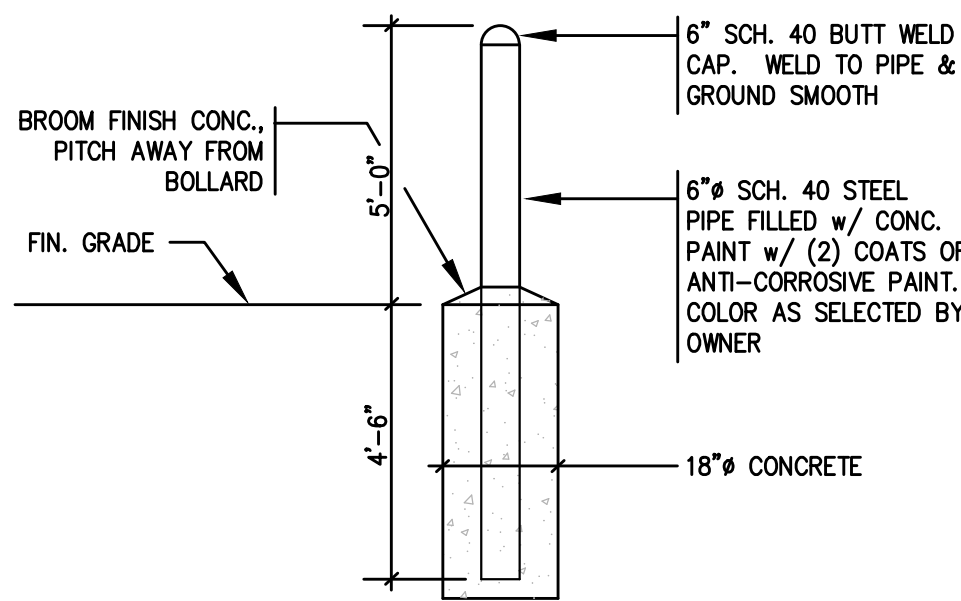
SIGN DESIGNATION CHART			
SIGN DESIGNATION	HEIGHT	WIDTH	SIGN
R1-1 (STOP)	30"	30"	STOP
R7-8 (ACCESSIBLE PARKING)	18"	12"	RESERVED PARKING
R7-8b (VAN ACCESSIBLE)	6"	12"	VAN ACCESSIBLE

9 SITE SIGNAGE DESIGNATION & DIMENSION SCHEDULE
C0.2 N.T.S.

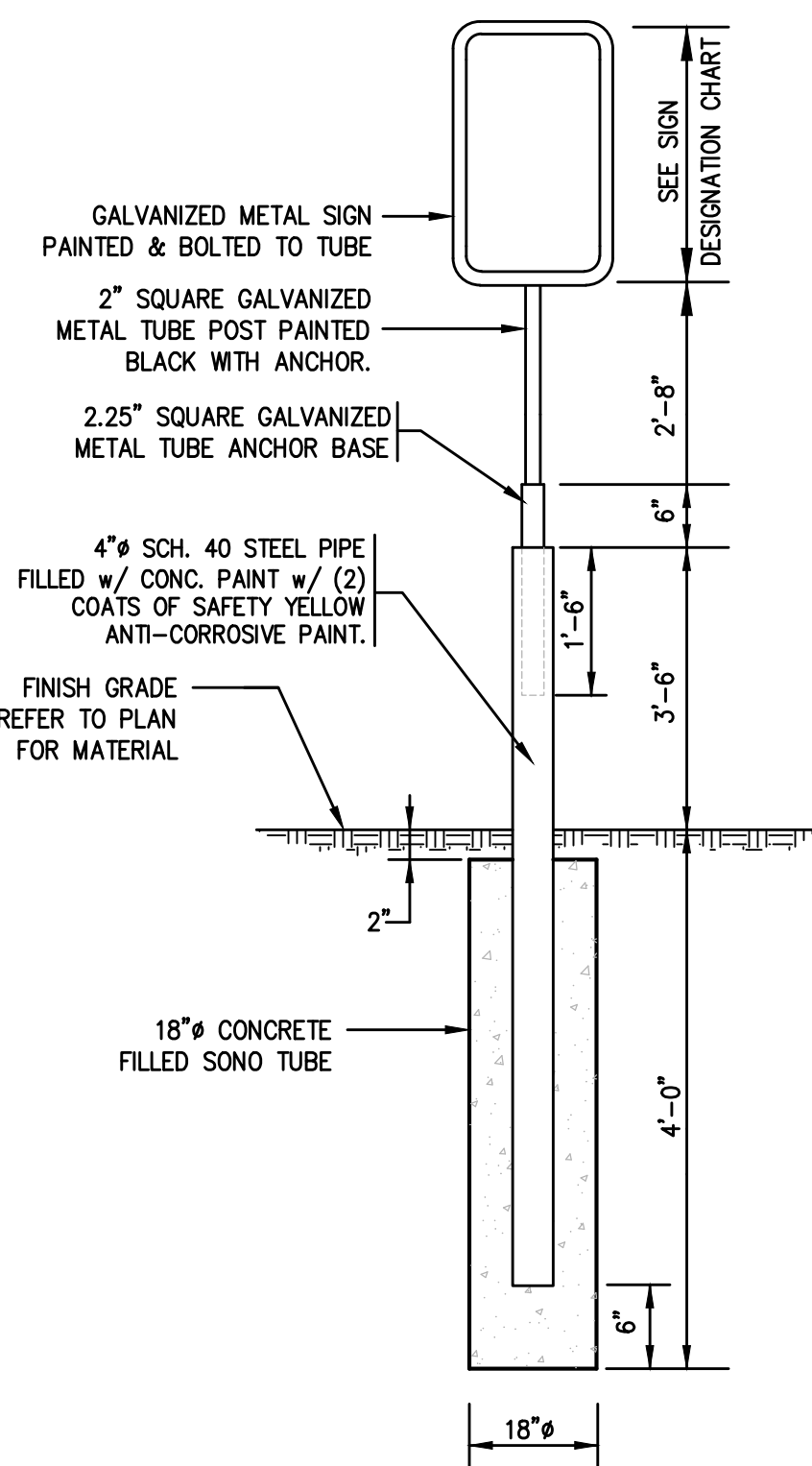
- NOTES:
- ALL TRAFFIC CONTROL AND WARNING SIGNS SHALL MEET THE MATERIAL REQUIREMENTS OF "ALUMINUM TYPE A" AS DEFINED IN SECTION 828 "TRAFFIC SIGNS" OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.
 - ALL SIGNS SHALL CONSIST OF A WHITE BACKGROUND WITH HIGH CONTRAST BLACK LETTERS UNLESS OTHERWISE NOTED.
 - SIGN DESIGNATIONS TAKEN FROM THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).



10 SIGN POST DETAIL
C0.2 N.T.S.



11 PROTECTIVE BOLLARD DETAIL
C0.2 N.T.S.



12 PROTECTIVE SIGN POST DETAIL
C0.2 N.T.S.

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____

context
ARCHITECTURE
68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM

GARCIA+GALUSKA+DESOUZA
CONSULTING ENGINEERS
131 HUNTER STREET, SUITE 200, MILLBURY, MA 01501
508-465-0100 FAX 508-465-0101 EMAIL info@gadec.com

SITE PLAN REVIEW:
JANUARY 25, 2021
NOT FOR CONSTRUCTION

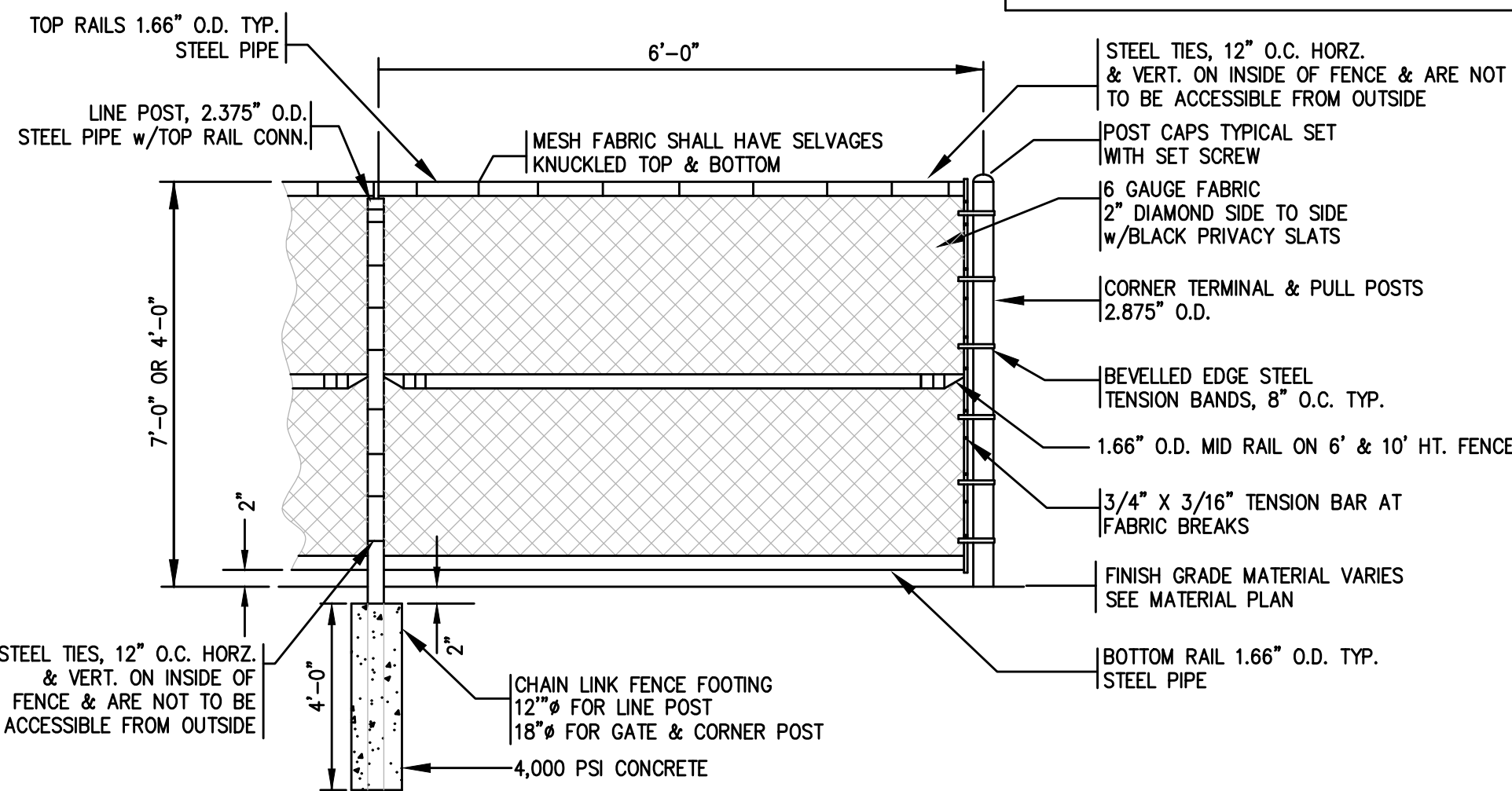
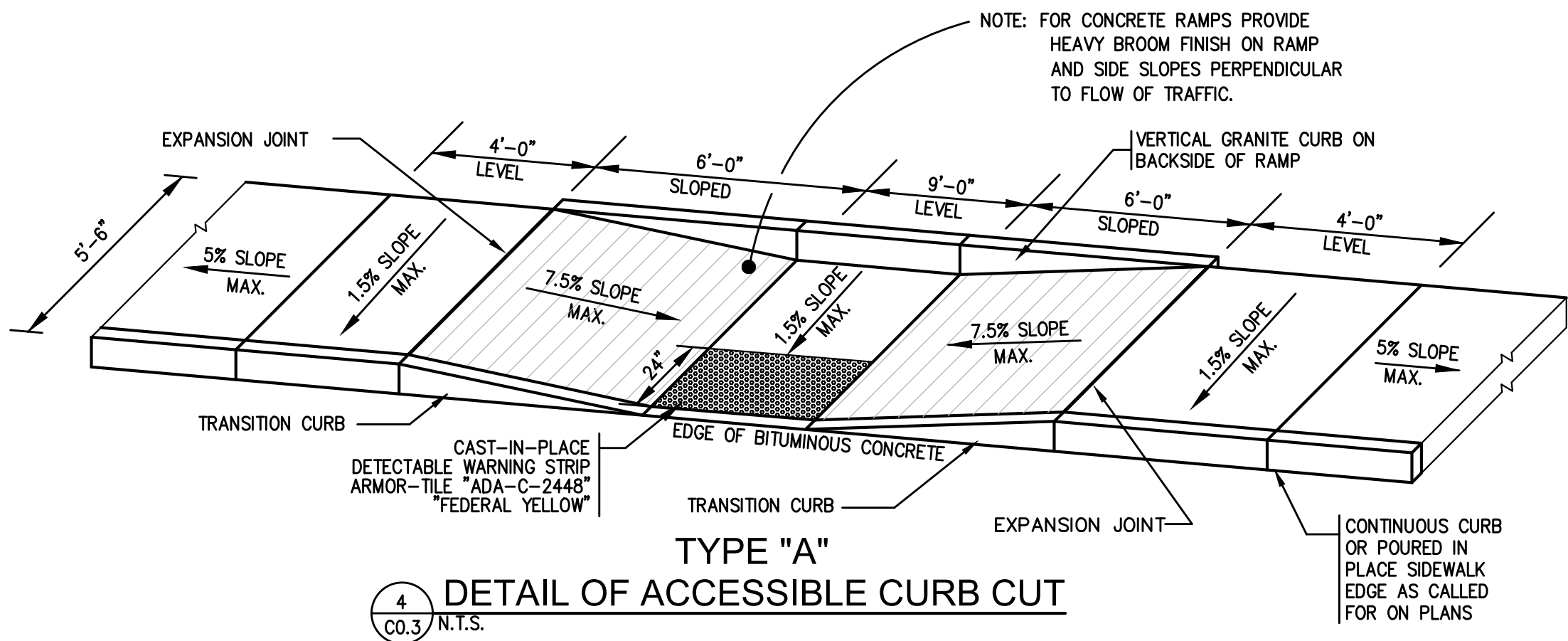
Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902
Site Details

Scale: 1" = 20'
Drawn by: NCK

No. Issue Date
1 PLANNING BOARD 1/25/21

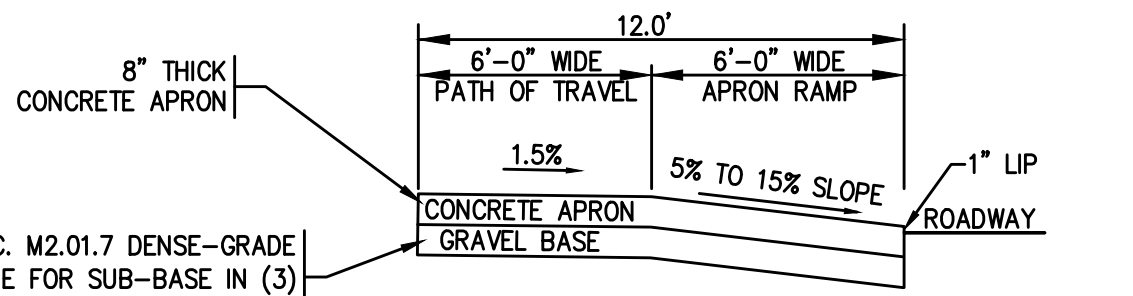
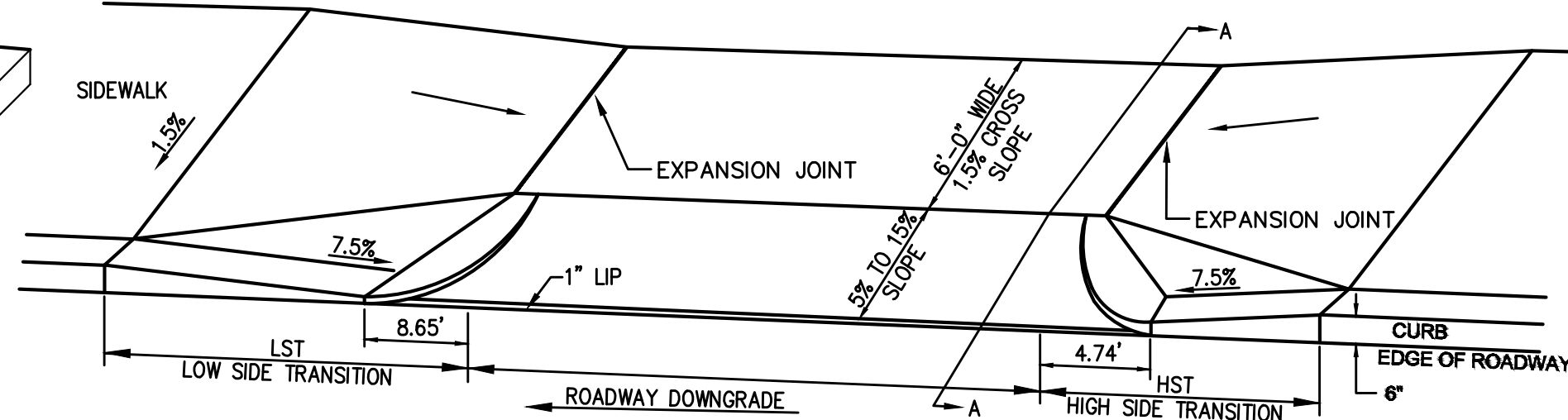
C0.2

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____



7 CHAIN-LINK FENCE DETAIL

CO.3 N.T.S.
NOTE:
FENCING AND ALL COMPONENTS SHALL BE BLACK VINYL COATED

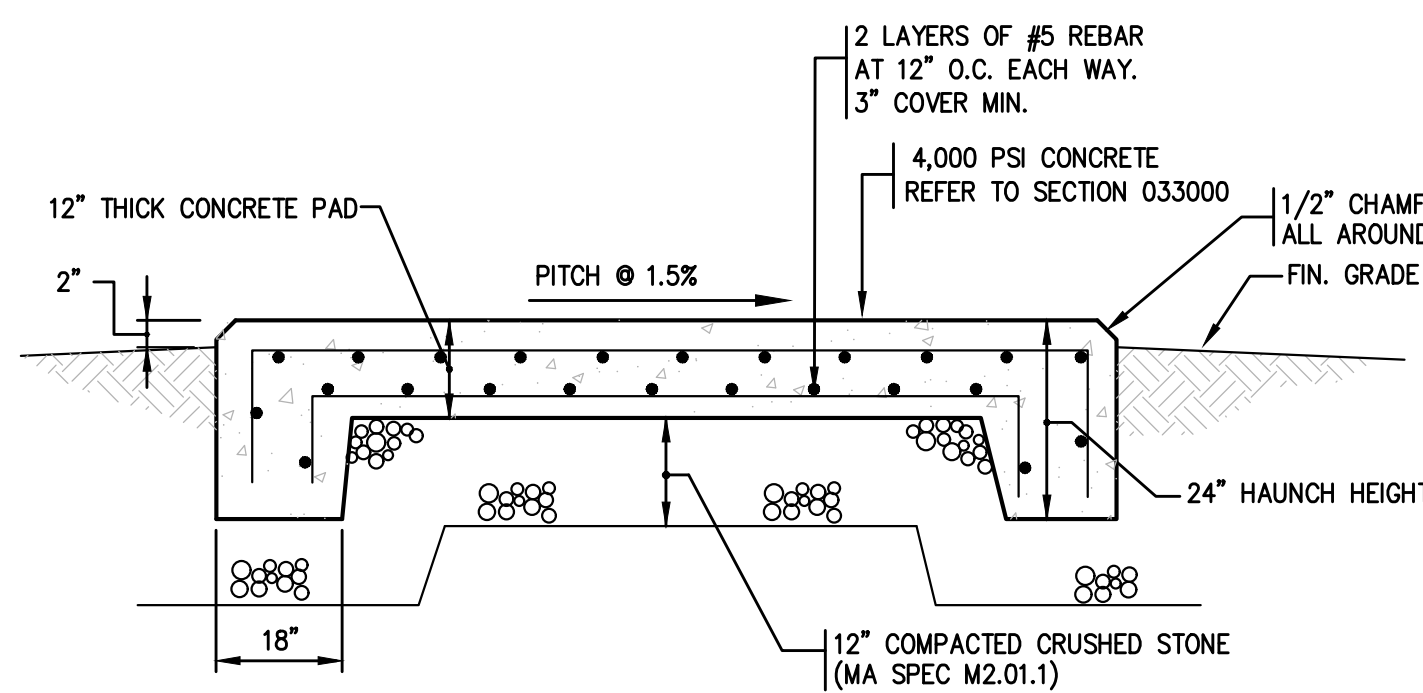


SECTION A-A

8 SIDEWALK THROUGH CONCRETE APRON

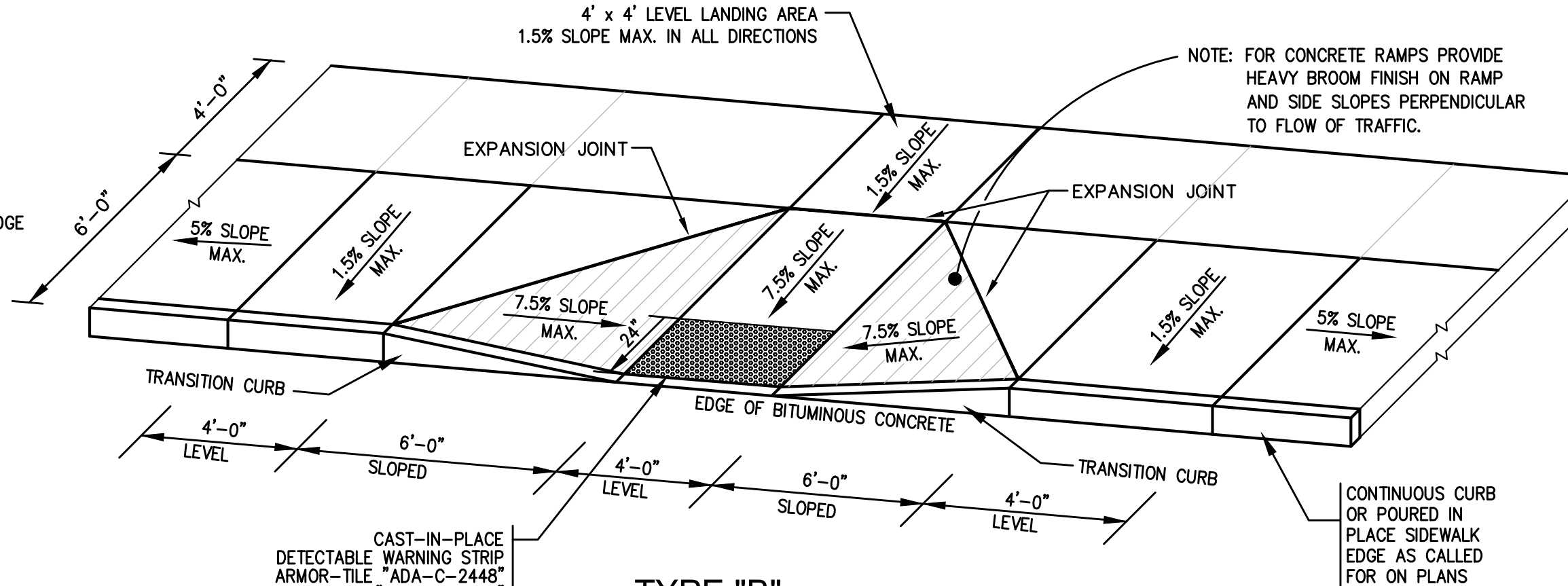
CO.3 N.T.S.

1 NOT USED
CO.3 N.T.S.



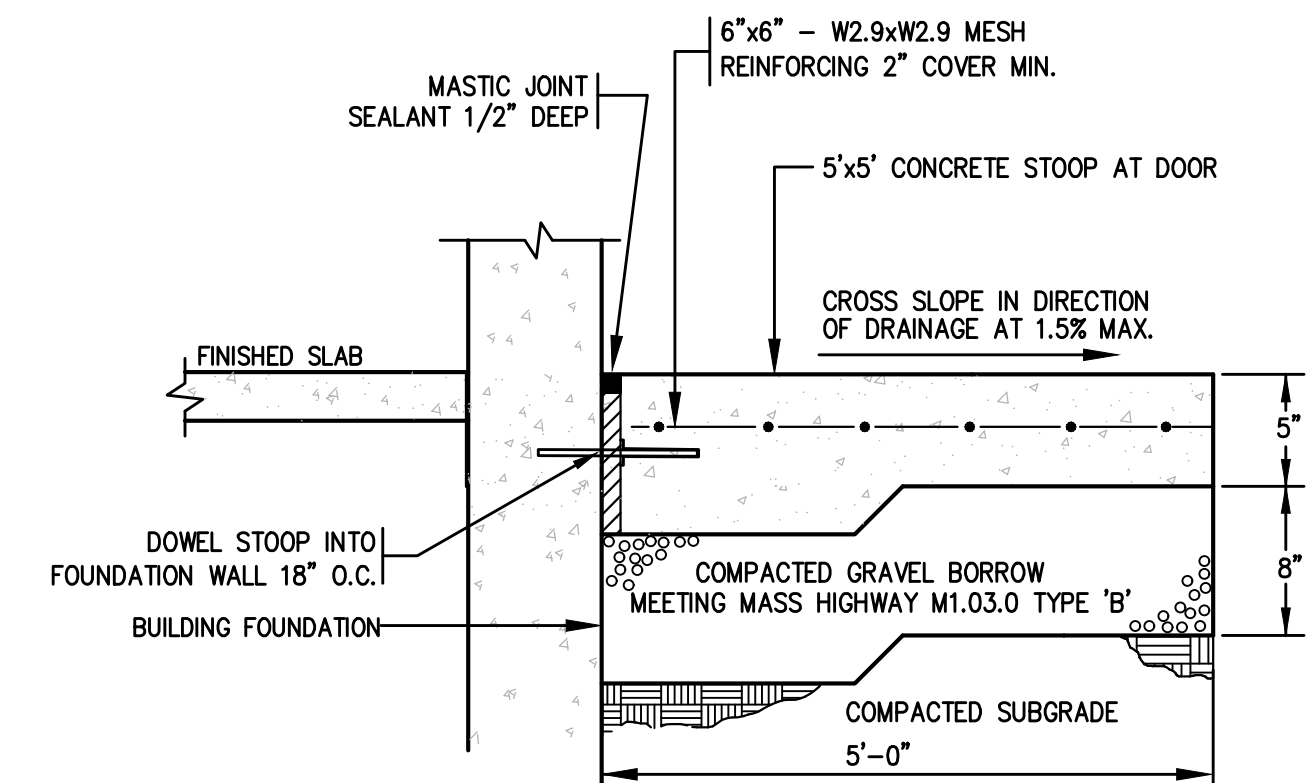
2 CONCRETE GENERATOR PAD DETAIL

CO.3 N.T.S.
NOTE:
1. CONTRACTOR TO FURNISH & INSTALL ALL REQUIRED MATERIALS FOR ONE CAST-IN-PLACE CONCRETE GENERATOR PADS WITH THE FOLLOWING DIMENSIONS:
PAD 1: X.X'W x XX.X'L
2. EXACT DIMENSIONS TO BE COORDINATED WITH THE APPROVED GENERATOR DIMENSIONS.



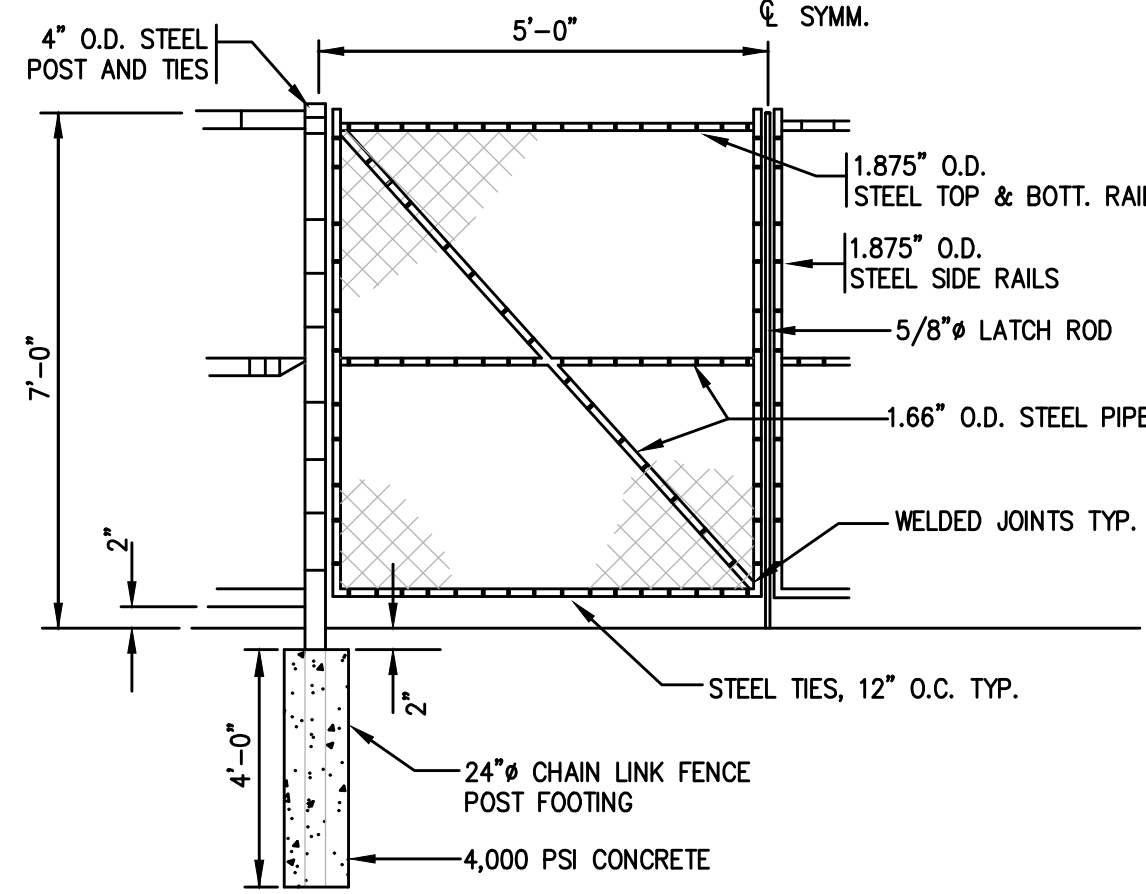
5 DETAIL OF ACCESSIBLE CURB CUT

CO.3 N.T.S.



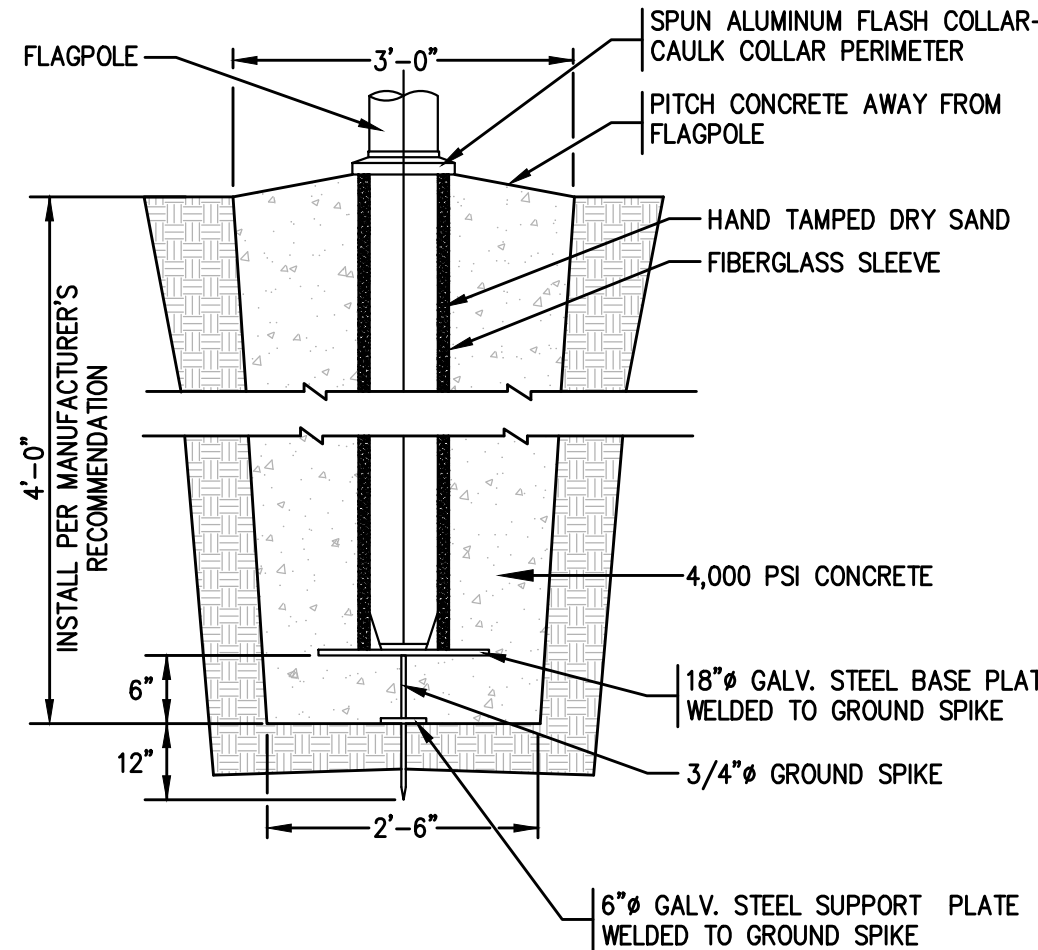
3 CONCRETE DOORWAY ENTRY PAD

CO.3 N.T.S.



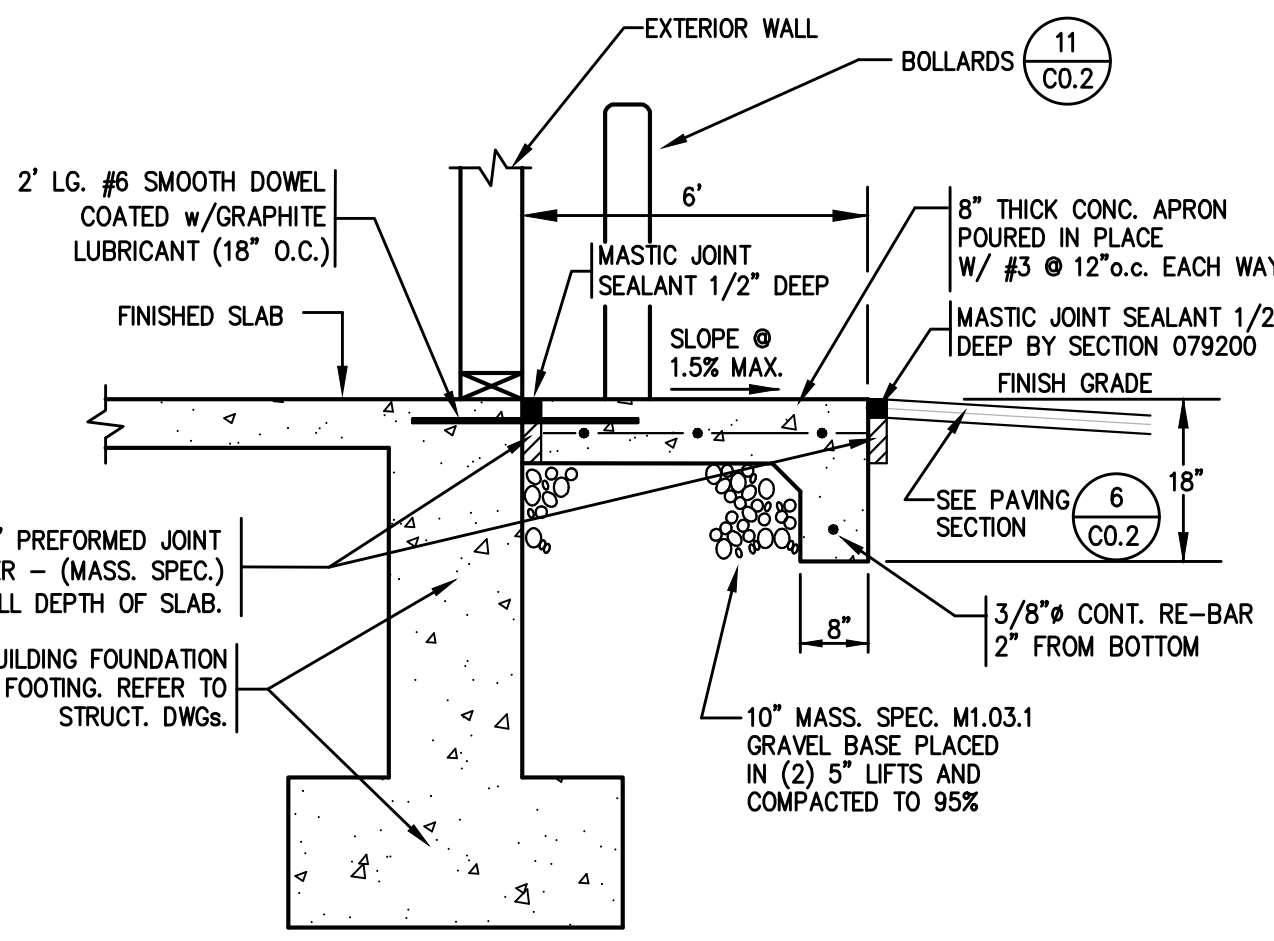
6 CHAIN-LINK GATE DETAIL

CO.3 N.T.S.
NOTE:
FENCING AND ALL COMPONENTS SHALL BE BLACK VINYL COATED.



9 FLAGPOLE FOOTING DETAIL

CO.3 N.T.S.

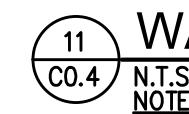


10 REINFORCED CONCRETE APRON

CO.3 N.T.S.



9 NOT USED
C0.4 NOTES:



NOTE:
1. ALTERNATE MANUFACTURERS SHALL INCLUDE CONTECH CDS, HYDROWORKS HYDROGUARD AND HYDRO INTERNATIONAL DOWNSTREAM DEFENDER.

SIGNATURES:

context
ARCHITECTURE
338 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM



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CONSULTING ENGINEERS INC.
375 Florence Corner Road - Suite D, Dartmouth, MA 02743-271
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SITE PLAN REVIEW:
JANUARY 25, 2021
NOT FOR CONSTRUCTION

Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902

Site Details

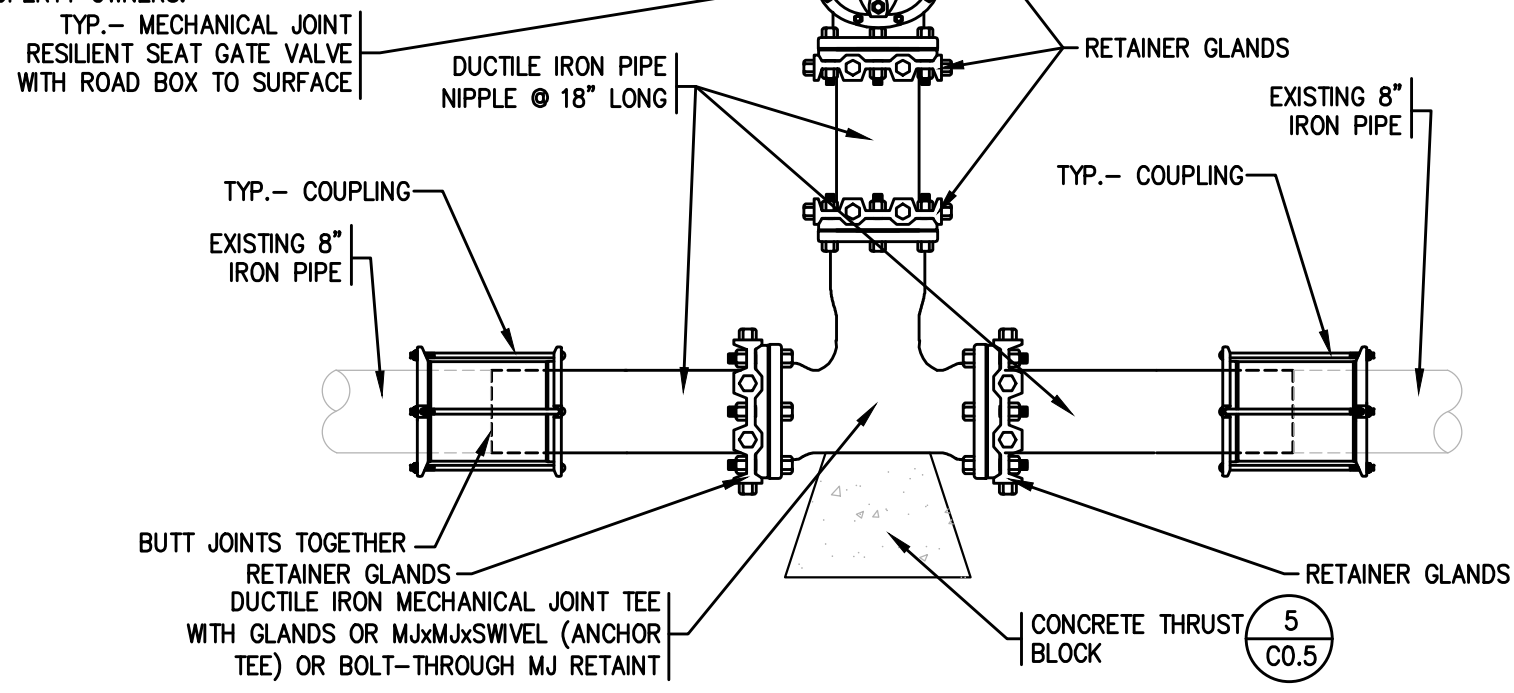
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Drawn by: NCK

No.	Issue	Date
1	PLANNING BOARD	1/25/21

C0.4

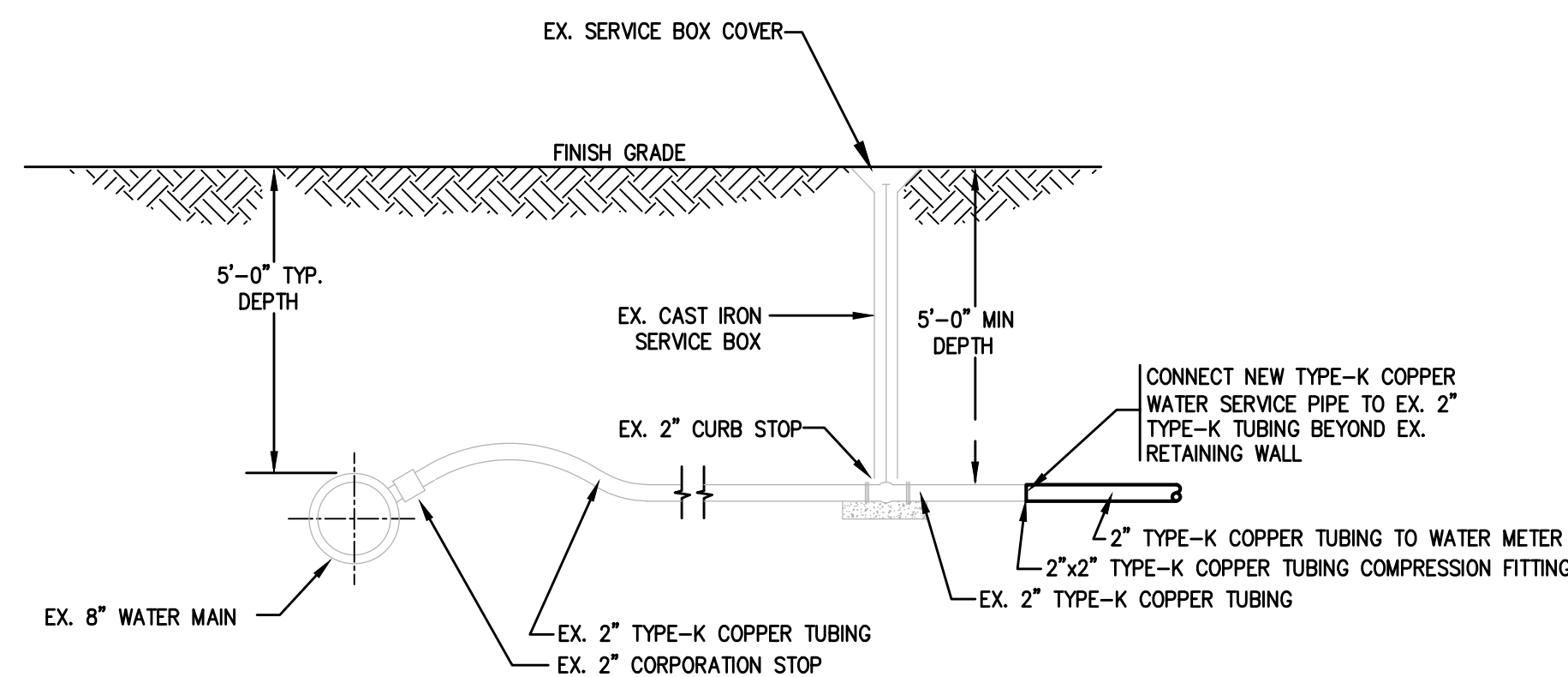
NOTES:

1. ALL MATERIALS WILL CONFORM TO THE AQUARIUM WATER COMPANY SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL CONFORM TO APPLICABLE GUIDELINES AND POLICIES
2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5 FEET FROM THE TOP OF PIPE TO FINISH GRADE.
3. REFER TO DETAIL 1/CO.4 FOR TRENCH DETAIL.
4. REFER TO DETAILS 5/CO.5 FOR CONCRETE THRUST BLOCK DETAIL.
5. THE MECHANICAL JOINTS OF THE PIPES BETWEEN THE VALVES AND FITTINGS SHALL BE RESTRAINED VIA RETAINER GLANDS. IF MORE THAN ONE SECTION IS USED, RETAINER GLAND RESTRAINS SHALL BE USED AT ALL CONNECTIONS.
6. CONNECTION TO THE EXISTING WATER MAIN SHALL BE ACHIEVED WITH COUPLERS EQUAL TO SMITH BLAIR, STYLE 441; DRESSER, STYLE 153; 360 OR ROMAC STYLE 501 OR AN APPROVED EQUAL. COUPLINGS TO BE PROVIDED WITH PLAN, GRADE 27, RUBBER GASKET AND WITH BLACK STEEL, TRACK-HEAD BOLTS WITH NUTS.
7. CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF THE EXISTING WATER MAIN WITH THE AQUARIUM WATER COMPANY AND ALL IMPACTED PROPERTY OWNERS.



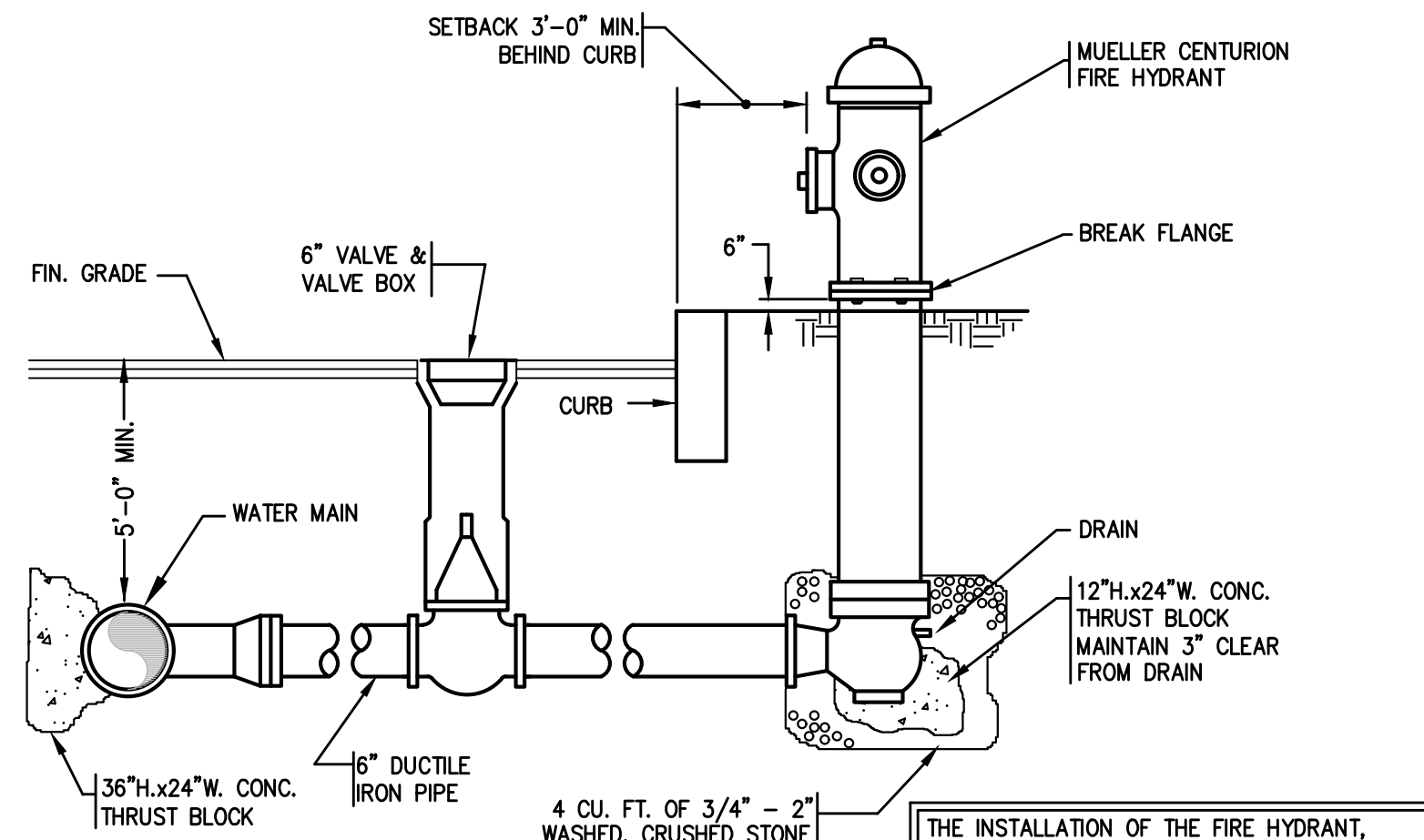
1
CO.5
N.T.S.

WATER SERVICE CONNECTION SCHEMATIC DETAIL



2
CO.5
N.T.S.

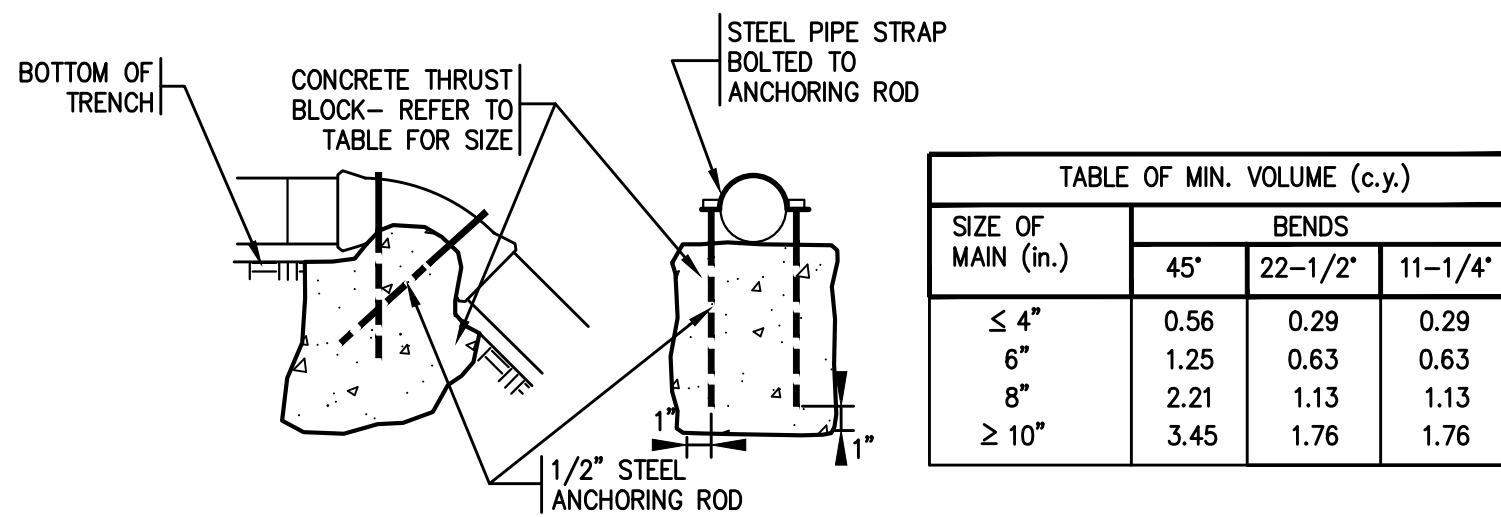
WATER SERVICE DETAIL



3
CO.5
N.T.S.

FIRE HYDRANT DETAIL

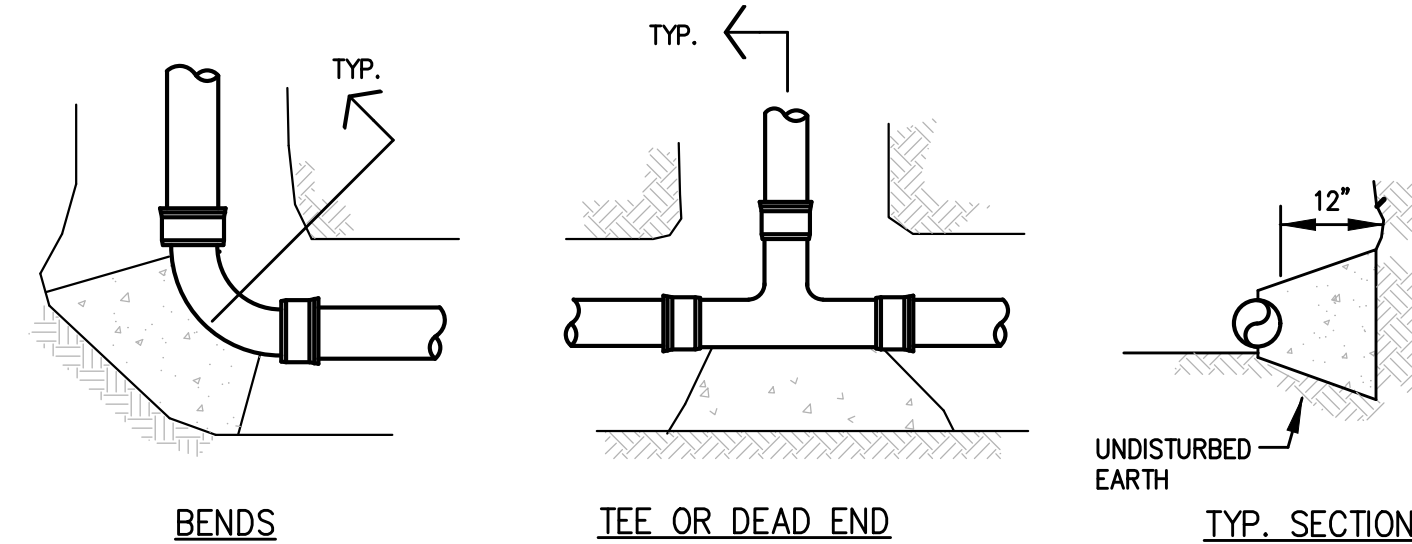
NOTE:
THE FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPE FITTINGS, GATE VALVES, ROAD BOXES AND PIPING REQUIRED TO COMPLETE THE WORK UNDER SECTION 210000. THE SITE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND EARTH MATERIALS TO EXCAVATE, BED, BACKFILL AND THRUST BLOCKS FOR THE WORK OF DIV. 21 UNDER SECTION 312000.



4
CO.5
N.T.S.

VERTICAL CONCRETE THRUST BLOCK DETAIL

- CONCRETE SHALL BE 4,000 PSI TYPE BEARING ON UNDISTURBED EARTH
- CONCRETE SHALL NOT RUN INTO PIPE JOINTS
- 6 MIL. PLASTIC TO BE PLACED BETWEEN THRUST BLOCK AND FITTINGS.
- THRUST BLOCK SHALL BE POURED AGAINST UNDISTURBED EARTH.

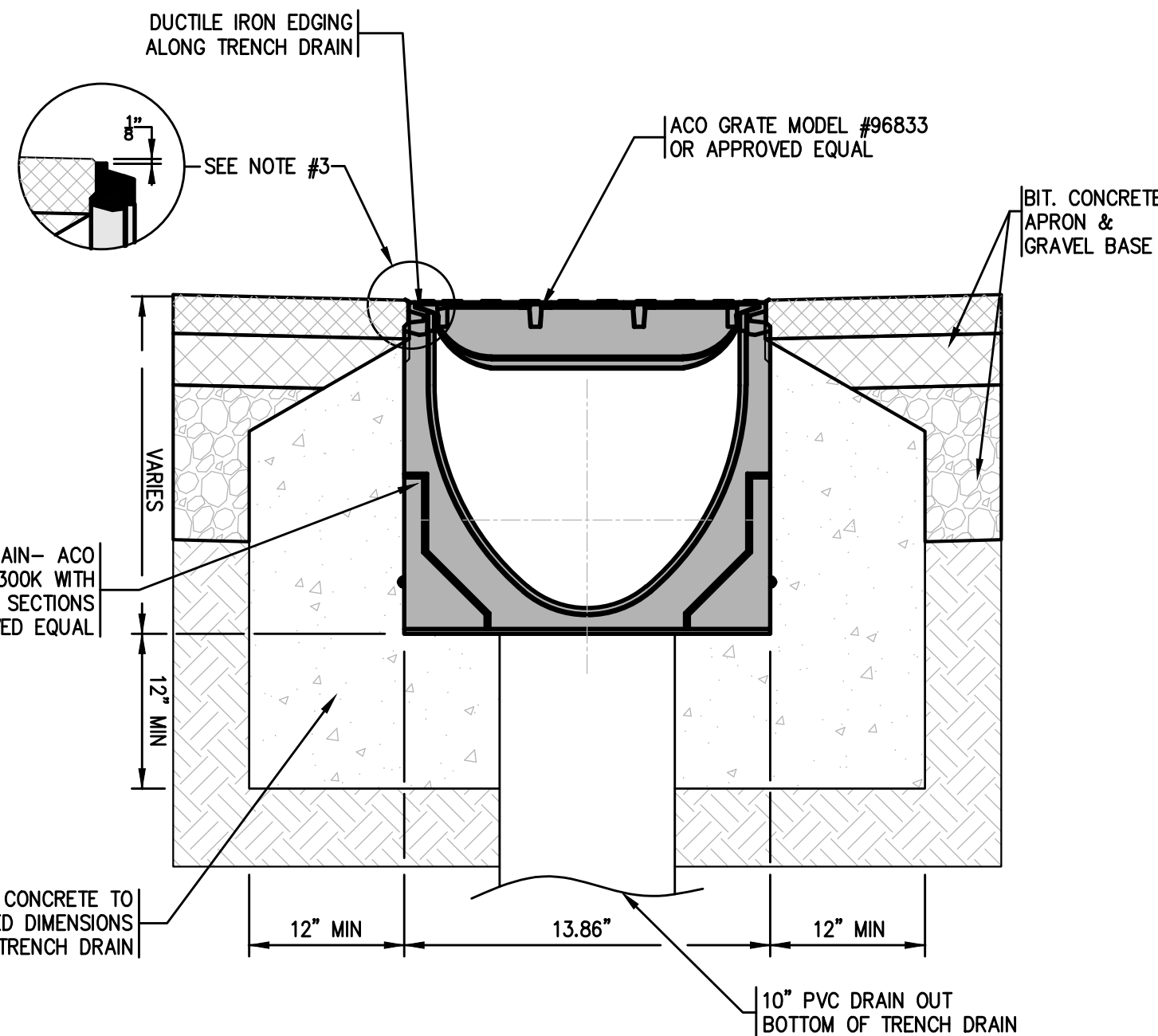


5
CO.5
N.T.S.

CONCRETE THRUST BLOCK DETAIL

- CONCRETE SHALL BE 2500# TYPE BEARING ON UNDISTURBED EARTH
- CONCRETE SHALL NOT RUN INTO PIPE JOINTS
- ALL BLOCKS SHALL BE MIN. 1'-0" HIGH

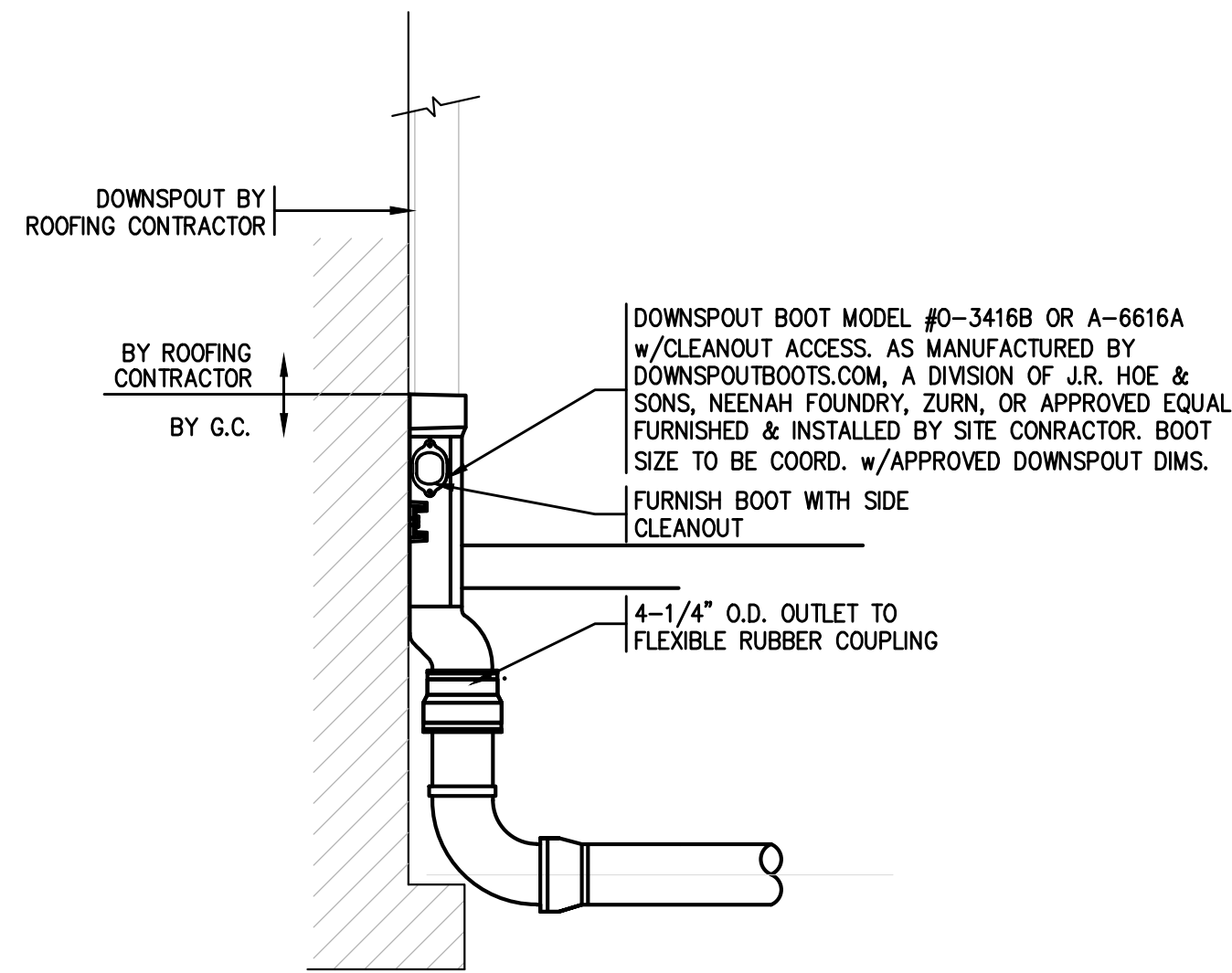
SIZE OF MAIN (in.)	TEES & PLUGS		VALVES		BENDS			
					90°	45°	22-1/2°	11-1/4°
≤ 4"	2	1	2	1	1	1	1	1
6"	3	2	3	2	2	2	2	2
8"	4	3	5	3	2	2	2	2
≥ 10"	9	4	10	6	4	3		



6
CO.5
N.T.S.

TRENCH DRAIN DETAIL

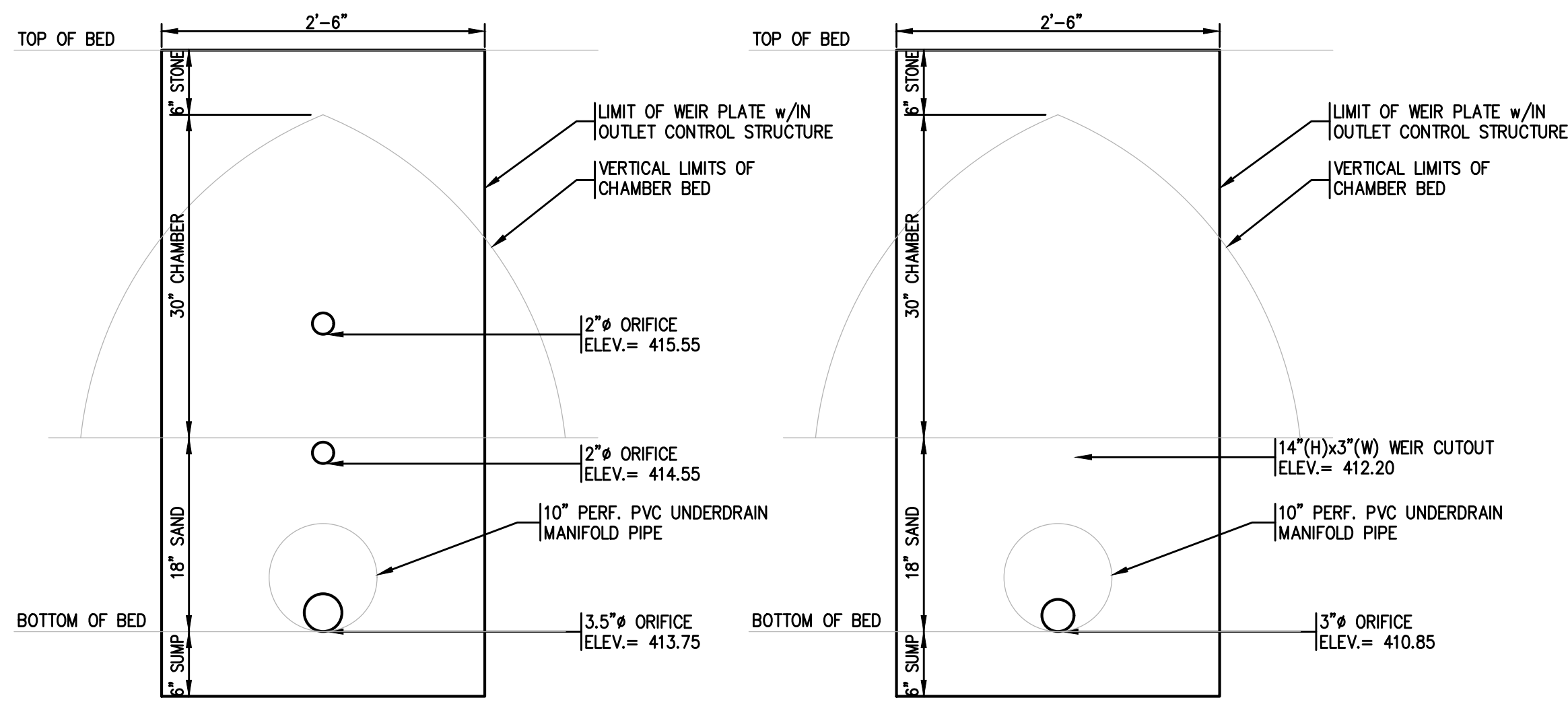
- NOTES:
1. MINIMUM CONCRETE STRENGTH OF 4,000 PSI. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
 2. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND.
 3. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" ABOVE THE TOP OF THE CHANNEL EDGE.
 4. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS.
 5. REFER TO MANUFACTURER'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.
 6. TRENCH DRAIN & GRATE SHALL MEET FABRICATED ACCESS COVERS TRADE ASSOCIATION (FACTA) LOAD CLASS E.



7
CO.5
N.T.S.

DOWNSPOUT CONNECTION AT GRADE DETAIL

NOTE:
REFER TO DRAIN PIPE TRENCH SECTION DETAIL FOR PIPE BEDDING REQUIREMENTS



ORIFICE PLATE

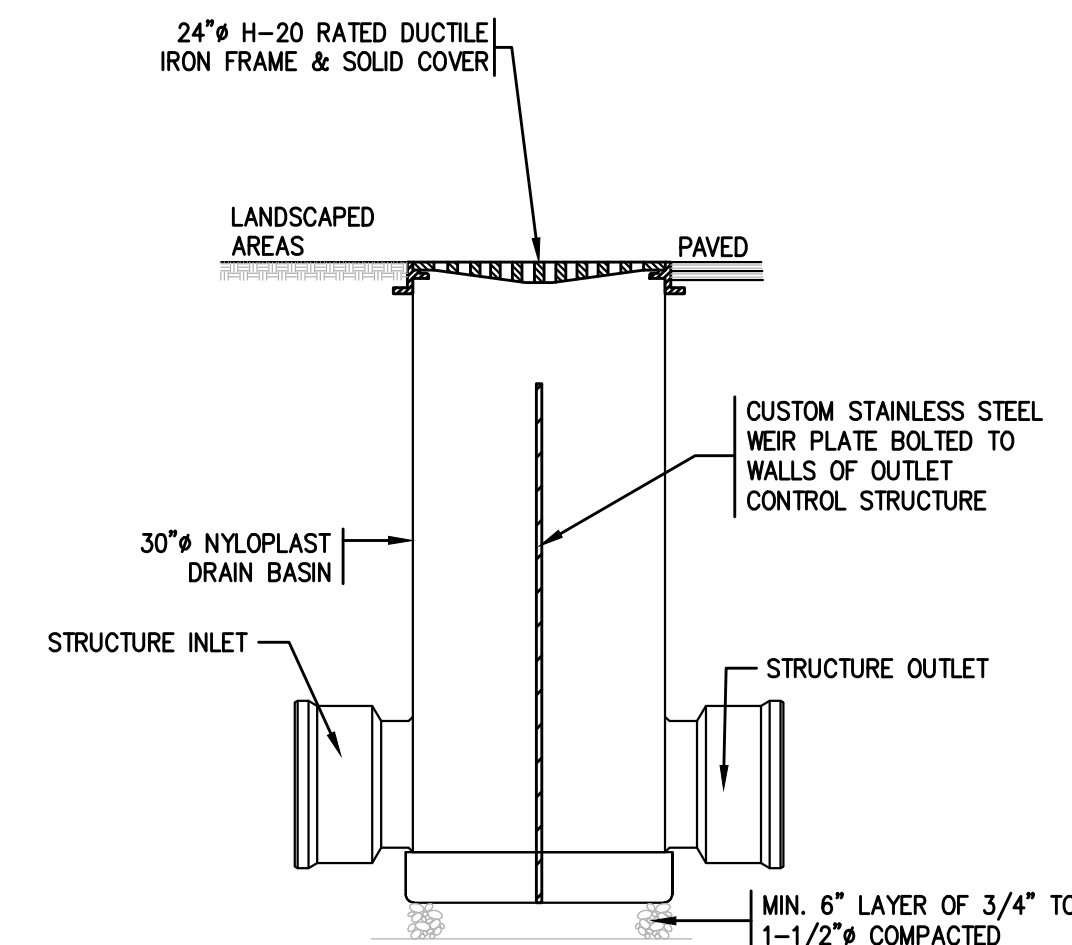
INFLOW PIPE INV. = 413.75
OUTFLOW PIPE INV. = 413.53
OUTFLOW PIPE SIZE = 12"
OUTFLOW PIPE SLOPE = 0.004
OUTFLOW PIPE CAP. = 2.44 cfs
TOP OF BED = 417.75
BOTT. OF BED = 413.75
100 YR. STORM ELEV. = 417.75
TOP OF OCS STRUCTURE = 420.90
BOTT. OF OCS STRUCTURE = 413.25
*SEE ORIFICE PLATE DETAIL

OCS#1

ORIFICE PLATE

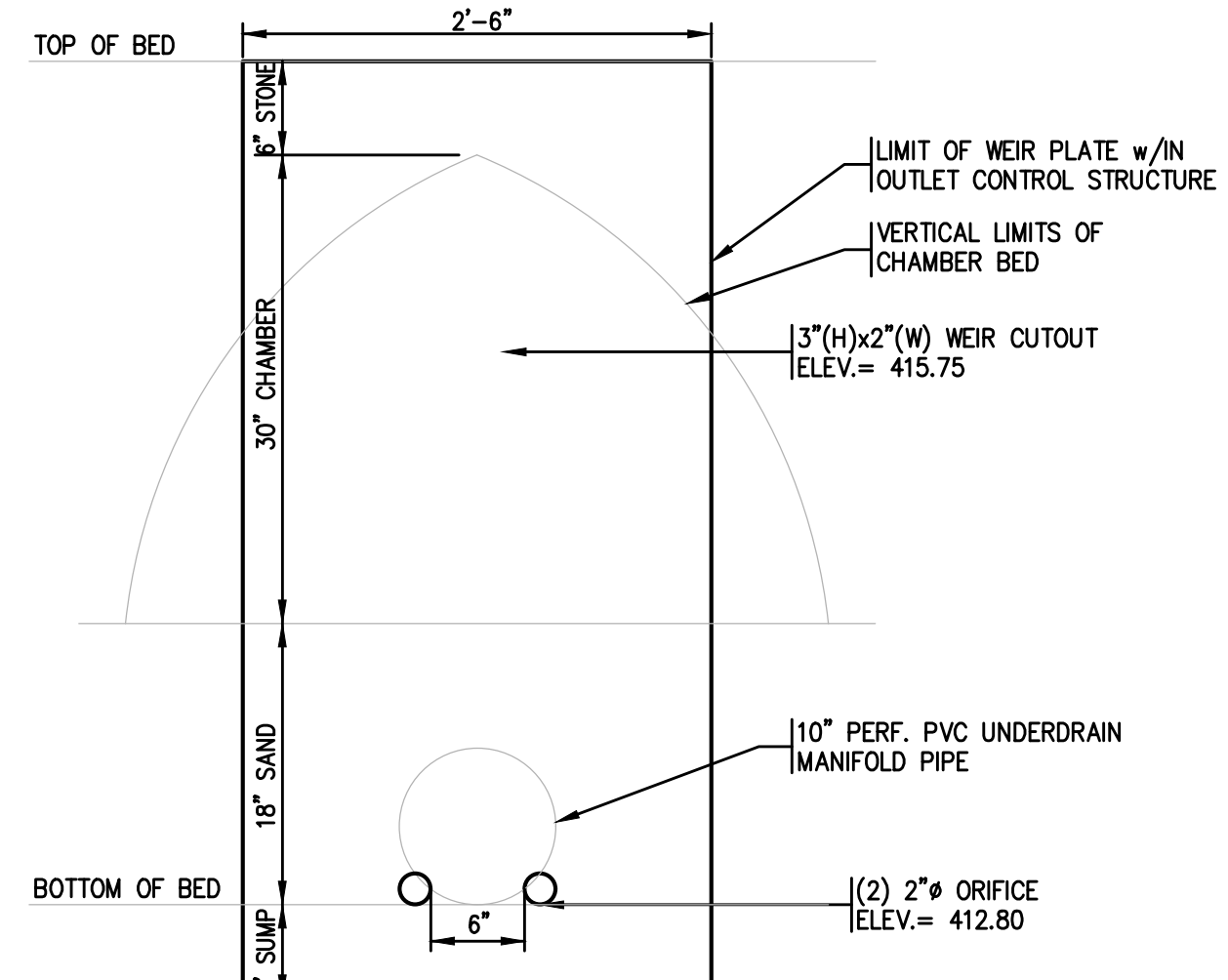
INFLOW PIPE INV. = 410.35
OUTFLOW PIPE INV. = 410.25
OUTFLOW PIPE SIZE = 12"
OUTFLOW PIPE SLOPE = 0.004
OUTFLOW PIPE CAP. = 2.44 cfs
TOP OF BED = 414.85
BOTT. OF BED = 410.85
100 YR. STORM ELEV. = 414.79
TOP OF OCS STRUCTURE = 419.63
BOTT. OF OCS STRUCTURE = 410.00
*SEE ORIFICE PLATE DETAIL

OCS#2



8
CO.5
N.T.S.

OUTLET CONTROL STRUCTURE DETAIL



ORIFICE PLATE

INFLOW PIPE INV. = 412.80
OUTFLOW PIPE INV. = 412.35
OUTFLOW PIPE SIZE = 12"
OUTFLOW PIPE SLOPE = 0.033
OUTFLOW PIPE CAP. = 7.00 cfs
TOP OF BED = 416.80
BOTT. OF BED = 412.80
100 YR. STORM ELEV. = 416.77
TOP OF OCS STRUCTURE = 420.16
BOTT. OF OCS STRUCTURE = 412.55
*SEE ORIFICE PLATE DETAIL

OCS#3

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____

DATE SIGNED: _____

SIGNATURES: _____

context
ARCHITECTURE
68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM

GARCIA+GALUSKA+DESOUZA
CONSULTING ENGINEERS
100 HUNTER STREET, SUITE 200, BOSTON, MA 02111
(617) 452-1000 FAX (617) 452-1001 WWW.GGDES.COM

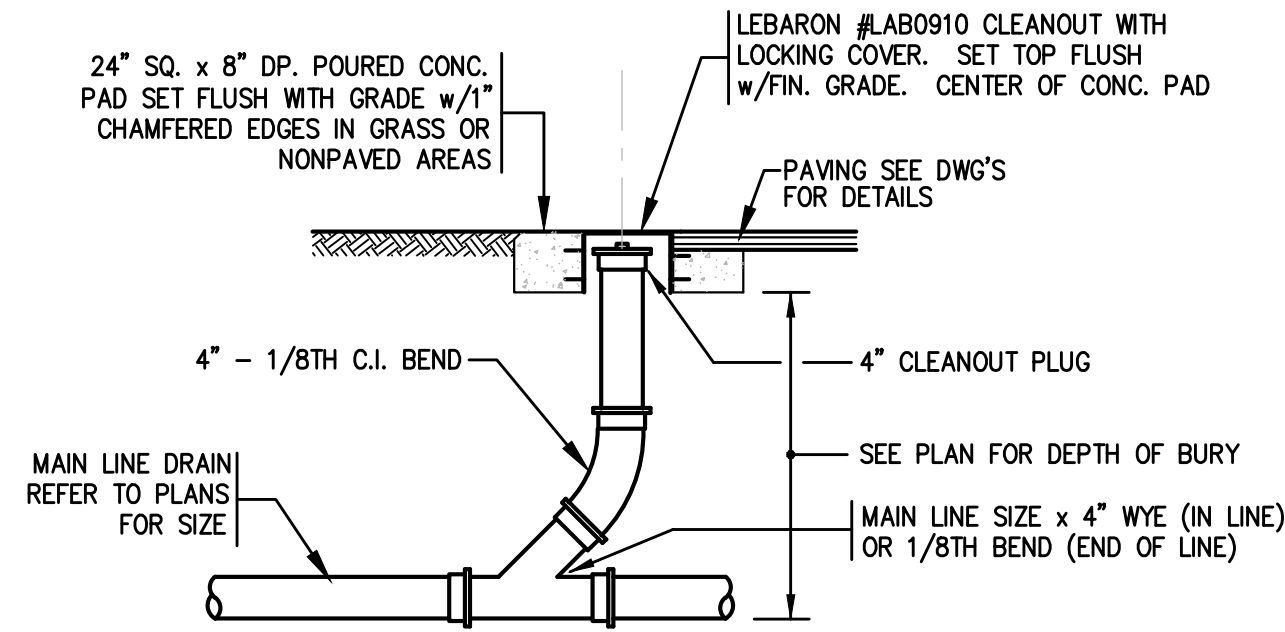
SITE PLAN REVIEW:
JANUARY 28, 2021
NOT FOR CONSTRUCTION

Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902
Site Details

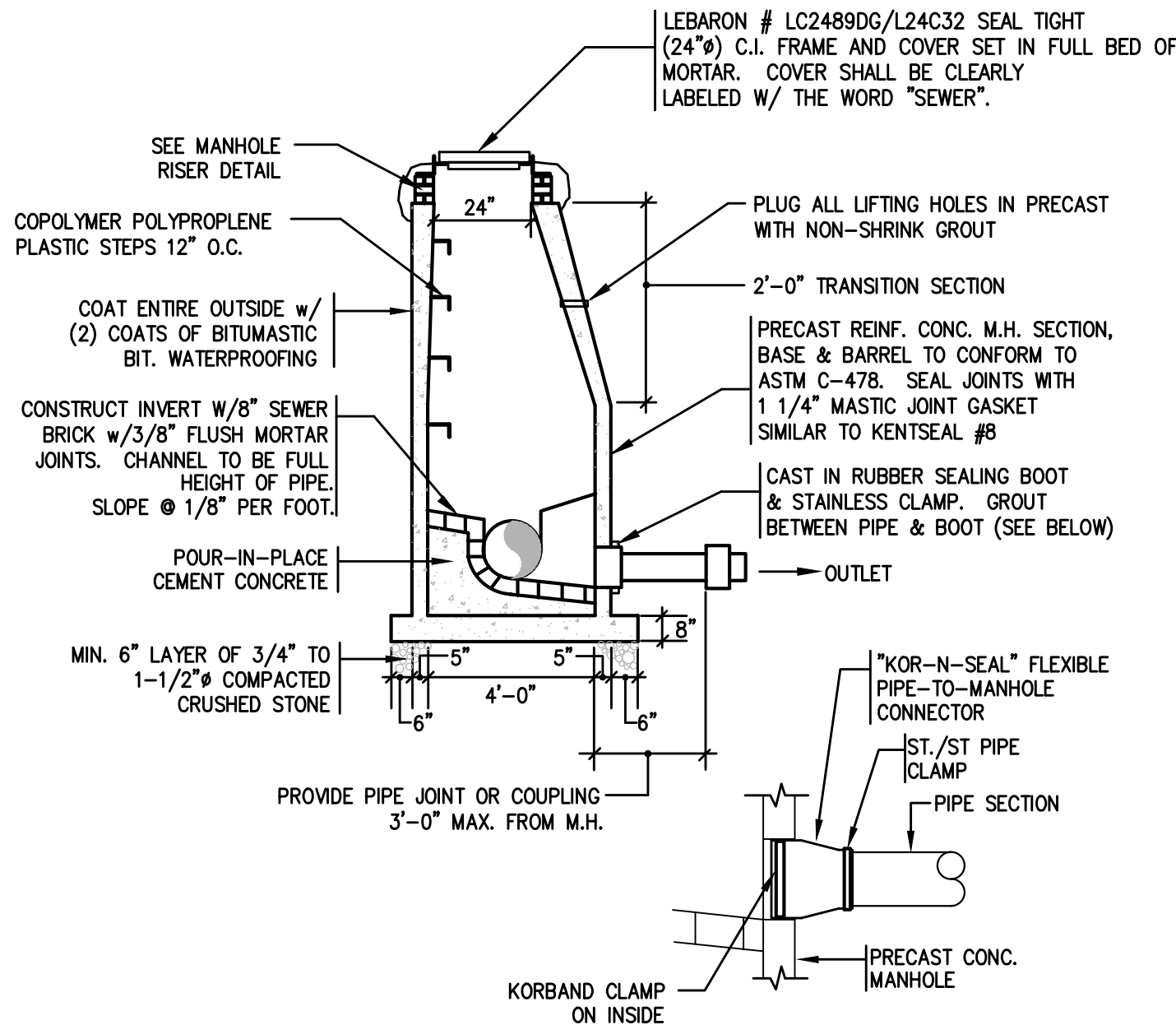
Scale: 1" = 20'
Drawn by: NCK

No. Issue Date
1 PLANNING BOARD 1/25/21

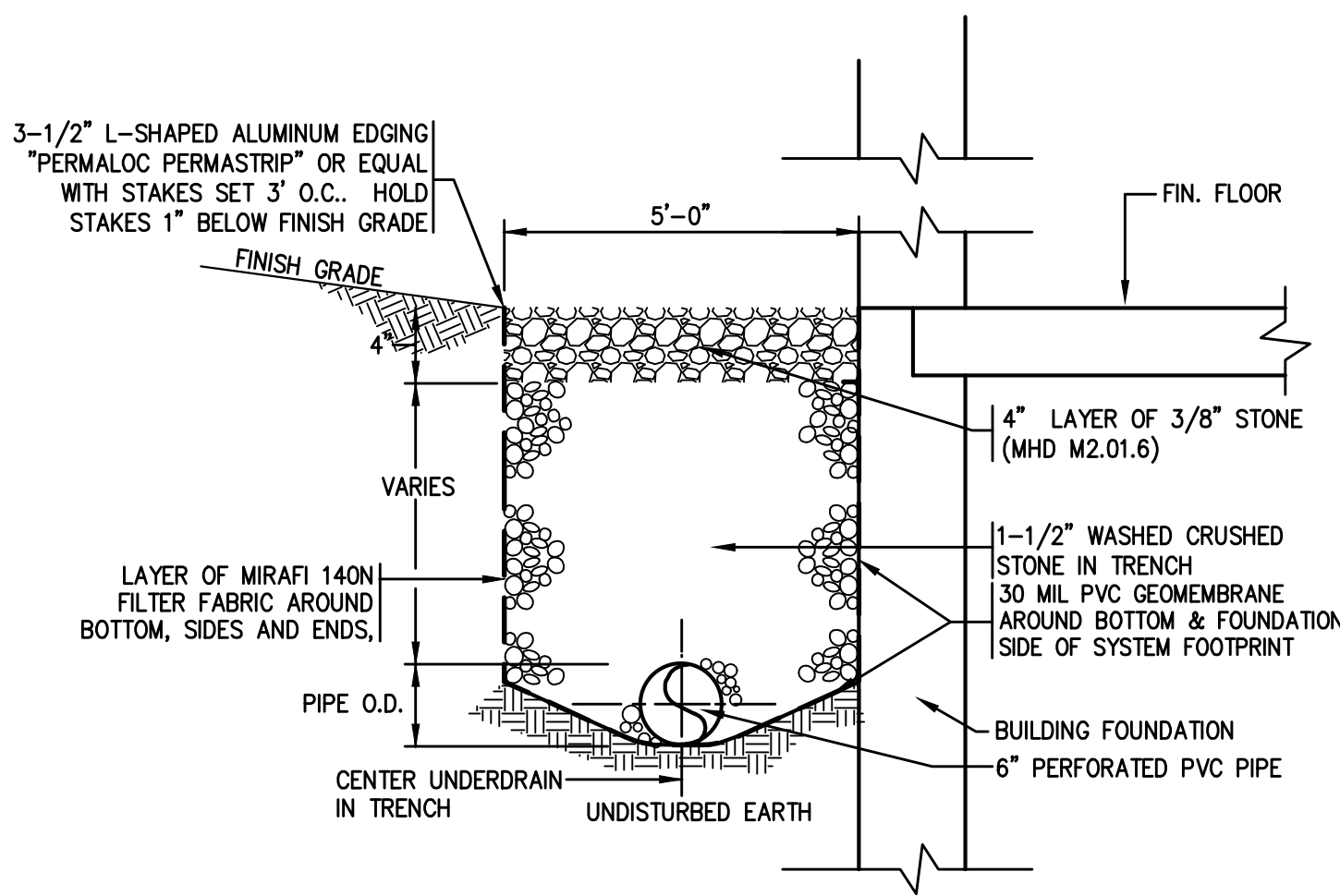
CO.5



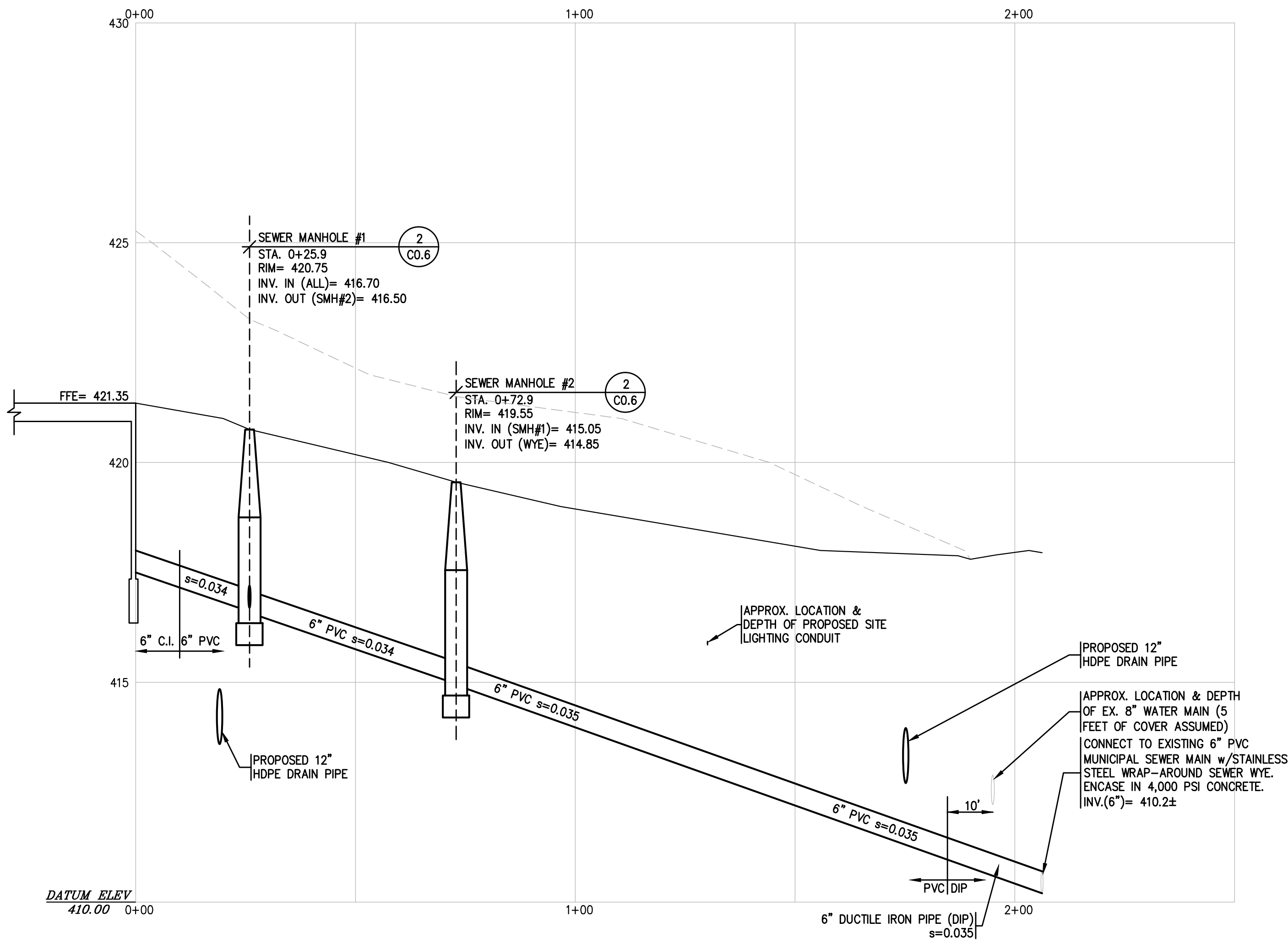
1 GROUND CLEANOUT DETAIL
C0.6 N.T.S.



2 STANDARD SEWER MANHOLE DETAIL
C0.6 N.T.S.



3 INTERCEPTOR TRENCH DETAIL
C0.6 N.T.S.



4 PROFILE OF SUBSURFACE SEWER SYSTEM
C0.6 HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____

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68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM

GARCIA+GALUSKA+DESOUZA
CONSULTING ENGINEERS
131 HARRISON STREET, SUITE 200, BOSTON, MA 02111
617.423.1400 FAX 617.423.1401 WWW.GGDESG.COM

SITE PLAN REVIEW:
JANUARY 25, 2021
NOT FOR CONSTRUCTION

Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902
Site Details

Scale: 1" = 20'
Drawn by: NCK

No. Issue Date
1 PLANNING BOARD 1/25/21

C0.6

SITE DEMOLITION NOTES:

1. PROTECT EXISTING UTILITIES AS SHOWN ON PLAN DURING NEW BUILDING CONSTRUCTION.
2. REMOVED BITUMINOUS CONCRETE MAY BE PULVERIZED ON SITE & REUSED WHEN MIXED WITH OTHER MATERIAL, PROVIDED SAID MATERIAL MEETS THE GRADATION REQUIREMENTS OF THE CONTRACT DOCUMENTS & THE SOIL LABORATORY, OR LEGALLY DISPOSED OF AT AN OFF-SITE LOCATION. BROKEN UP BITUMINOUS CONCRETE SHALL NOT BE DISPOSED OF ON-SITE.
3. IN AREAS WHERE THE FINISH MATERIAL WILL BE PAVING (ROADWAYS, PARKING AREAS OR CONCRETE WALKWAYS), REMOVE EXISTING MATERIAL TO INDICATED SUB-GRADE LEVEL, PROOF ROLL, TEST AND PROCEED WITH PLACEMENT OF NEW GRAVEL COURSE TO THE SPECIFIED THICKNESSES.
4. IN AREAS TO BE LANDSCAPED, CUT OR FILL OVER THE BASE COURSE TO BRING GRADE UP TO SUB-GRADE LEVEL.
5. ALL EXISTING BASE COURSE MATERIAL MAY BE USED FOR FILL IN AREAS SPECIFIED AS ORDINARY BORROW/FILL.
6. THE INDICATED LIMITS OF CONSTRUCTION FENCE ARE BASELINE. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING & INSTALLING TEMPORARY FENCING FOR AREAS OF WORK LOCATED OUTSIDE OF THE LIMITS OF THE SITE SUCH AS FOR SEWER CONNECTION, GRADING OF ADJACENT LANDS, CURB INSTALLATION, ETC.
7. MAINTAIN PUBLIC ACCESS TO EXISTING FIRE HYDRANTS, UTILITY POLES, CONTROL PANELS, ETC. FOR THE DURATION OF THE PROJECT.
8. DO NOT BLOCK ACCESS TO ADJACENT PROPERTIES, DRIVEWAYS, PARKING LOTS, ETC. AT ANY TIME. DELIVERY VEHICLES SHALL FIND ALTERNATE ACCEPTABLE LOCATIONS TO STAGE DURING CONSTRUCTION.

SUBSURFACE INFILTRATION AREA NOTES:

1. DURING CONSTRUCTION, NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE BOTTOM OF THE SUBSURFACE INFILTRATION BEDS.
2. UPON INSTALLATION, THE CONTRACTOR SHALL PLACE SUFFICIENT COVER OVER THE INFILTRATION BEDS TO PROTECT THE CHAMBER SYSTEM FROM CONSTRUCTION VEHICLE LOADING. REFER TO MANUFACTURER'S INSTALLATION DOCUMENTS.

DEMO LEGEND

x	REMOVE & DISPOSE
R&D	REMOVE & DISPOSE
--- --	ABANDON EXIST'G. UTILITY IN PLACE
--- x ---	REMOVE & DISPOSE OF EXIST'G. UTILITY

REMOVE & DISPOSE OF EXISTING BITUMINOUS CONCRETE DRIVEWAY & PARKING LOT
REMOVE & DISPOSE OF EXISTING CHAIN LINK FENCE FROM HERE TO WATERS STREET

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

REMOVE & DISPOSE OF EXISTING BITUMINOUS CONCRETE BASKETBALL COURT & HOOPS

REMOVE & DISPOSE OF EXISTING SEWER MANHOLE & ASSOCIATED PIPING
REMOVE & DISPOSE OF EXISTING BITUMINOUS CONCRETE DRIVEWAY & PARKING LOT

TP-13
BRØ412.2
TP-4
BRØ412.7
TP-13
BRØ412.4

TP-1
BRØ412.0
TP-2
BRØ415.0
TP-5
BRØ424.4
TP-6
BRØ428.2
TP-14
BRØ424.0
TP-9
BRØ424.4
TP-10
BRØ428.1
TP-11
BRØ424.2

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

TP-7
BRØ424.0
TP-8
BRØ424.1
TP-12
BRØ421.1
TP-13
BRØ412.2
TP-13
BRØ412.4

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____
DATE SIGNED: _____
SIGNATURES: _____

REMOVE & DISPOSE OF EXISTING CHAIN LINK FENCE

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

FURNISH, INSTALL AND MAINTAIN SEDIMENT CONTROL BAG-AT-NEAREST DOWNSTREAM CATCH BASIN

REMOVE & DISPOSE OF EXISTING CHAIN LINK FENCE

REMOVE & DISPOSE OF EXISTING BITUMINOUS CONCRETE DRIVEWAY & PARKING LOT

CUT & CAP EXISTING SANITARY SEWER PIPING AT THE PROPERTY LINE. ABANDON PIPING IN STREET

REMOVE EX. RETAINING WALL TO EXTENTS SHOWN. SALVAGE EX. STONE

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

REMOVE & DISPOSE OF EXISTING CHAIN LINK FENCE

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

REMOVE & DISPOSE OF EXISTING BITUMINOUS CONCRETE DRIVEWAY & PARKING LOT

REMOVE & DISPOSE OF EX. CONCRETE SIDEWALK, PROTECT EX. GRANITE CURB IN PLACE

REMOVE & DISPOSE OF EXISTING CONCRETE WALKWAY

REMOVE & DISPOSE OF EX. OVERHEAD WIRING TO THE EX. BUILDING

REMOVE EX. RETAINING WALL TO EXTENTS SHOWN. SALVAGE EX. STONE

2
C0.1
SILT FENCE/COMPOST WATTLE LINE/LIMIT OF WORK

REMOVE & DISPOSE OF EX. 14" TREE. REFER TO LANDSCAPE DWGS.

REMOVE & DISPOSE OF EX. SIGN

REMOVE & DISPOSE OF EX. CONCRETE SIDEWALK. SALVAGE EX. GRANITE CURB FOR STREET REALIGNMENT

REMOVE EX. RETAINING WALL TO EXTENTS SHOWN. SALVAGE EX. STONE

REMOVE & DISPOSE OF EX. 10" TREE. REFER TO LANDSCAPE DWGS.

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

1
C1.0
SITE DEMOLITION & PREPARATION PLAN
SCALE: 1"=20'

context
ARCHITECTURE
68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARC.COM



GARCIA+GALUSKA+DESOSA
CONSULTING ENGINEERS, INC.
100 HARRISON AVENUE, SUITE 200, BOSTON, MA 02111
(617) 423-1400 FAX (617) 423-1401 WWW.GGDESOSA.COM

SITE PLAN REVIEW:
JANUARY 26, 2021
NOT FOR CONSTRUCTION

Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902
Site Demolition & Preparation Plan

Scale: 1" = 20'
Drawn by: NCK

No. Issue Date
1 PLANNING BOARD 1/25/21

C1.0

CATCH BASINS/DRAIN INLETS					
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
CB #1	419.55			416.55 (WQS#1)	5/CO.4
CB #2	419.20			414.10 (WQS#2)	5/CO.4
CB #3	417.30			414.30 (WQS#2)	5/CO.4
XCB #1	414.54	411.55 (DMH#4)		411.54 (XCB#2)	N/A

WATER QUALITY STRUCTURES					
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL	
WQS#1	419.95	416.35 (CB#1)	416.10 (SDB#1)	11/CO.4	
WQS#2	419.50	413.75 (ALL)	413.50 (SDB#2)	11/CO.4	
WQS#3	418.44	415.40 (TD#1)	415.15 (SDB#3)	11/CO.4	

DRAIN MANHOLE SCHEDULE						
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
DMH #1	421.00	413.25 (OCS#1)			413.23 (DMH#2)	7/CO.4
DMH #2	421.00	412.90 (ALL)			412.87 (DMH#3)	7/CO.4
DMH #3	421.30	412.60 (DMH#2)			412.60 (DMH#4)	7/CO.4
DMH #4	420.28	412.25 (DMH#3)			412.23 (XCB#1)	7/CO.4

SUBSURFACE DETENTION BED ELEVATIONS							
STRUCTURE #	MIN. FIN. GRADE	INV. IN ELEV.	INV. IN ELEV.	BOTTOM OF BED	BOTTOM OF CHAMBER	TOP OF BED	UNDERDRAIN INV. OUT
SDB #1	420.1±	416.00 (WQS#1)	416.33 (RD#1)	413.75	414.75	417.75	413.75
SDB #2	419.6±	413.44 (WQS#2)	413.77 (DS#4-10)	411.19	412.19	415.19	411.19
SDB #3	418.8±	415.05 (WQS#3)		412.80	413.80	416.80	412.80

SEWER MANHOLE SCHEDULE						
STRUCTURE #	RIM ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. IN ELEV.	INV. OUT ELEV.	DETAIL
SMH #1	420.75	416.70 (ALL)			416.50 (SMH#2)	2/CO.6
SMH #2	419.55	415.05 (SMH#1)			414.85 (STREET)	2/CO.6

SITE DRAINAGE & SEWER STRUCTURE NOTES:

1. REFER TO THE DRAINAGE & SEWER STRUCTURE ELEVATION SCHEDULE FOR APPLICABLE DETAIL TO EACH SPECIFIC STRUCTURE.

PAD-MOUNTED ELECTRICAL TRANSFORMER. REFER TO ELEC. DWGS.
NATURAL GAS-FIRED EMERGENCY GENERATOR. REFER TO ELEC. DWGS.
TYP. (6) - 6" PERF. PVC UNDERDRAIN SET AT BOTTOM OF SAND BEDDING. F&I PVC CAPS ON NORTH END AND CONNECT TO 10" PERF. PVC HEADER ON SOUTH END

INV.(6" PERF.)= 418.00
PERFORATED INTERCEPTOR DRAIN ON WEST SIDE OF THE BUILDING

NATURAL GAS METER BY LOCAL GAS COMPANY
PERFORATED INTERCEPTOR DRAIN ON WEST SIDE OF THE BUILDING

NATURAL GAS SERVICE BY LOCAL GAS COMPANY

CONNECT NEW NATURAL GAS SERVICE TO EX. GAS MAIN BY LOCAL GAS COMPANY

CORE NEW CONNECTION FOR 15" HDPE DRAIN PIPE TO EX. MUNICIPAL DRAINAGE STRUCTURE
INV.(15")= 411.55

APPROVAL UNDER SITE PLAN REVIEW AUTHORITY
MILLBURY PLANNING BOARD

DATE APPROVED: _____

DATE SIGNED: _____

SIGNATURES: _____

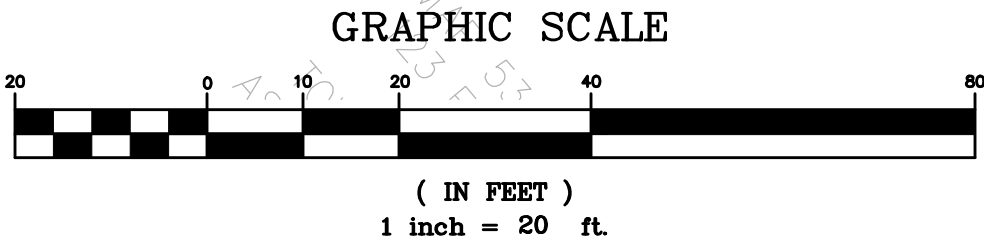
CONNECT TO EXISTING SEWER w/STAINLESS STEEL WRAP-AROUND SEWER WYE. ENCASE CONNECTION IN CONCRETE.

EX. INV.(6")= 410.2±
PROP. INV.(6") AT DROP= 412.84
SUBSURFACE DETENTION BED (SDB) #2 - 36.75'(W) x 40.3'(L) FOOTPRINT
VOLUME= 3,330 CUBIC FEET
TYP. - WATER QUALITY TREATMENT STRUCTURE (WQS)
TYP.(7) - 6" PERF. PVC UNDERDRAIN SET AT BOTTOM OF SAND BEDDING. F&I PVC CAPS ON NORTH END AND CONNECT TO 10" PERF. PVC HEADER ON SOUTH END
CONNECT 2" NEW TYPE-K COPPER DOMESTIC WATER SERVICE TO EX. 2" WATER SERVICE ON PROPERTY. COORD. WORK w/WATER COMPANY.
EXCAVATION, BEDDING & BACKFILL OF FIRE SERVICE CONNECTION & PIPING BY DIV. 31.
CONCRETE THRUST BLOCKS BY DIV. 33. CONNECT 8" CLDI SERVICES TO EX. 8" WATER MAIN WITH CUT-IN 8"x8" ANCHOR TEE & 8" GATE VALVE BY DIV. 21. COORD. WORK WITH WATER COMPANY.

EXCAVATION, BEDDING, BACKFILL & THRUST BLOCKS FOR FIRE SERVICE PIPING BY DIV. 31.

SUBSURFACE DETENTION BED (SDB) #3 - 41.5'(W) x 54.5'(L) FOOTPRINT
VOLUME= 5,160 CUBIC FEET
TYP.(9) - 6" PERF. PVC UNDERDRAIN SET AT BOTTOM OF SAND BEDDING. F&I PVC CAPS ON NORTH END AND CONNECT TO 10" PERF. PVC HEADER ON SOUTH END

1 SITE UTILITY PLAN
SCALE: 1"=20'



context
ARCHITECTURE



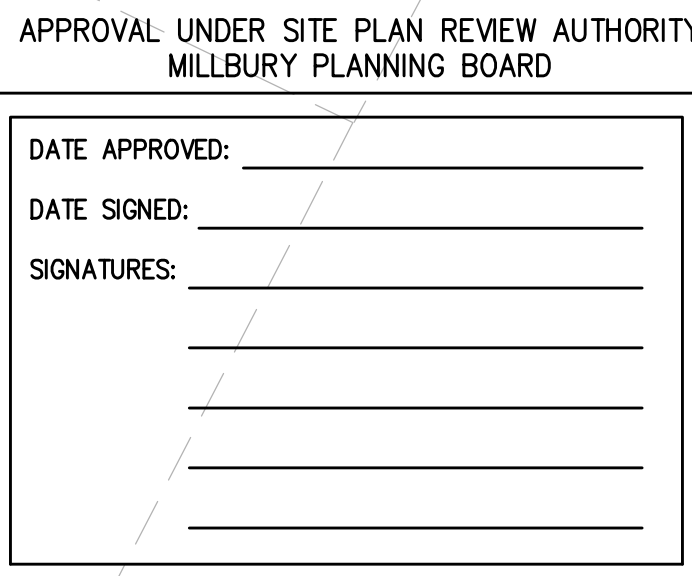
SITE PLAN REVIEW:
JANUARY 25, 2021
NOT FOR CONSTRUCTION

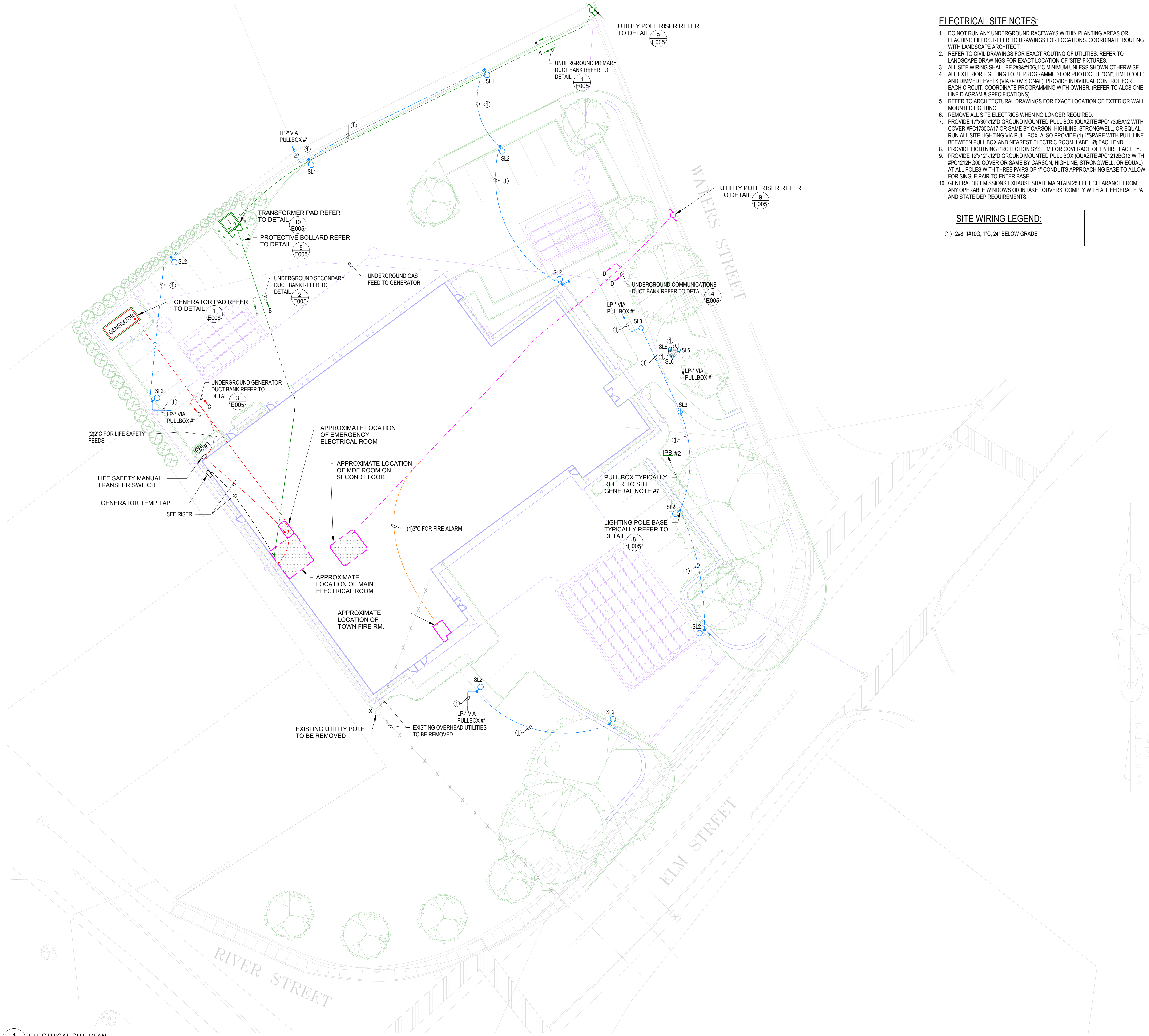
Millbury Fire Station
130 Elm Street, Millbury, MA
project number: 1902
Site Utility Plan

Scale: 1" = 20'
Drawn by: NCK

No. Issue Date
1 PLANNING BOARD 1/25/21

C2.1





- ELECTRICAL SITE NOTES:**
- DO NOT RUN ANY UNDERGROUND RACEWAYS WITHIN PLANTING AREAS OR LEACHING FIELDS. REFER TO DRAWINGS FOR LOCATIONS. COORDINATE ROUTING WITH LANDSCAPE ARCHITECT.
 - REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF UTILITIES. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATION OF SITE FIXTURES.
 - ALL SITE WIRING SHALL BE 2#8
G, 1\"/>

SITE WIRING LEGEND:

① 2#8, 1#10G, 1\"/>



context
ARCHITECTURE

68 HARRISON AVENUE BOSTON, MA 02111 TEL 617.423.1400 WEB CONTEXTARCH.COM



GARCIA GALUSKA DESOUSA
CONSULTING ENGINEERS INC.
110 Federal Street, Suite 3, Dorchester, MA 01912
617.552.0700 FAX 617.552.0800 E: ggd@ggd.com

MILLBURY PUBLIC SAFETY
130 ELM ST MILLBURY, MA 01527
project number: 1902.00

ELECTRICAL SITE PLAN

Scale: As indicated
Drawn by: MFM

No.	Issue	Date

E004