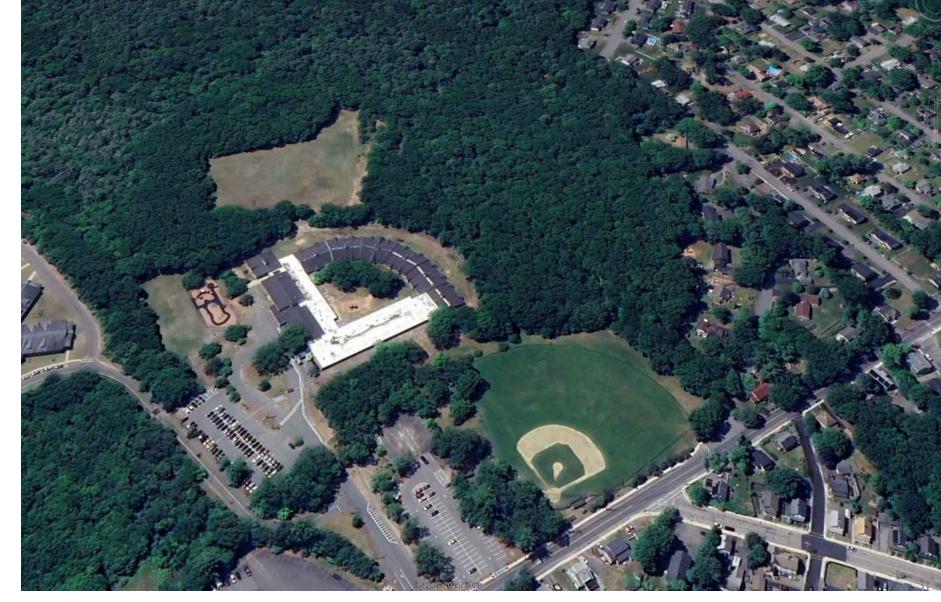
GREEN MEADOW ELEMENTARY SCHOOL EARLY SITE PREPARATION PACKAGE





5 TIGER DRIVE MAYNARD, MASSACHUSETTS EARLY SITE PREPARATION

OWNER

TOWN OF MAYNARD MAYNARD PUBLIC SCHOOLS







40 BROAD STREET SUITE 500 **BOSTON, MA. 02109** (617) 720-4466 TEL (617) 720-5260 FAX

ARCHITECT



MOUNT VERNON GROUP ARCHITECTS 264 EXCHANGE ST. SUITE G4 CHICOPEE, MA 01013 413.592.9700 (T)

OWNERS PROJECT MANAGER



Project Leaders

COLLIERS PROJECT LEADERS 67 HUNT STREET SUITE 205 AGAWAM, MA 01001 (413) 592-0030

CIVIL ENGINEERS BRENNAN CONSULTING, LLC. 24 Ray Ave, Suite 203 Burlington, MA 01803 (781) 273-3434

GEOTECHNICAL ENGINEER LAHLAF GEOTECHNICAL CONSULTING, INC. 23 Mcginness Way Billerica, MA 01821 (978) 330-5912

ENVIRONMENTAL PERMITTING

LORD ASSOCIATES

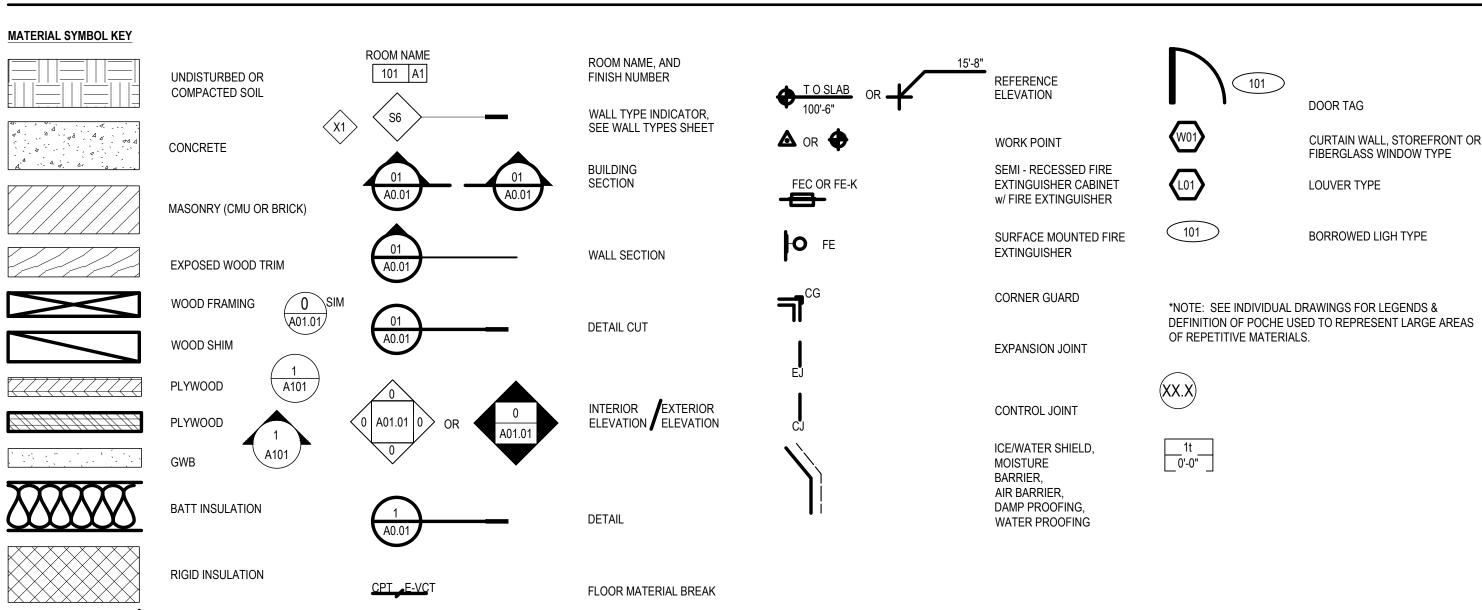
Blue Springs, MA 01862

1911 SW US-40

HAZARDOUS MATERIALS UNIVERSAL ENVIRONMENTAL 12 Brewster Road Framingham, MA 01702 (508) 628-5486

CDM SMITH GEOTHERMAL ENGINEERS 75 State St. Suite 701 Boston, MA 02109 (617) 452-6000

SYMBOLS



ABBREVIATIONS

1/2" SEALANT JOINT WITH BACKER ROD

	AT	EA	EACH	MATL	MATERIAL	SC	SOLID CORE
	ANCHOR BOLT	EIFS	EXTERIOR INSULATION FINISH SYSTEM	MAX	MAXIMUM	SD	SMOKE DETECTOR
DUST	ACOUSTICAL	EJ	EXPANSION JOINT	MB	MACHINE BOLT	SEC	SECURITY
)	ACCESS PANEL	ELECT	ELECTRICAL	MECH	MECHANICAL	SF	STOREFRONT
-	ACOUSTICAL CEILING TILE	ELEV OR EL	ELEVATION		MECHANICAL, ELECTRICAL, AND PLUMBING	SG SG	STEEL CORNER GUARD
	AREA DRAIN	EMER	EMERGENCY	MFR	MANUFACTURER	SHEATH	SHEATHING
)	AUTO DOOR OPENER	EMBED	EMBEDMENT	MH	MANHOLE		
•	ADJUSTABLE	EN	ENAMEL	MIB	MOISTURE INFILTRATION BARRIER	SHT	SHEET
)	AUTOMATIC EMERGENCY DEFIBRILLATOR/CABINET	ENL	ENLARGED	MICRO	MICROWAVE	SHM	SECURITY HOLLOW METAL
	ABOVE FINISH FLOOR	EPS	EXPANDED POLYSTYRENE	MIN	MINIMUM	SIM	SIMILAR
IM	ALUMINUM	EQ	EQUAL	MLDG	MOLDING	SPEC	SPECIFICATION
)D	ANODIZED	EQUIP	EQUIPMENT	MTL	METAL	SPK	SPEAKER
PH	ASPHALT	EXP	EXPANSION	NATL	NATURAL	SQ	SQUARE
XY	ASSEMBLY	EXIST OR (E)	EXISTING	NC	NONCOMBUSTIBLE	S/S OR SS	STAINLESS STEEL
ACH	ATTACHMENT	EXT	EXTERIOR	NIC	NOT IN CONTRACT	STC	SOUND TRANSMISSION COEFFICIENT
AOH	ALTERNATE	EXTR	EXTRUDED		NUMBER	STD	STANDARD
OR BRD	BOARD	FB	ELECTRICAL FLOOR BOX	NO NP	NO PAINT	STL	STEEL
טווט זוכ	BARRIER FREE	FD	FLOOR DRAIN			STOR	STORAGE
JM	BITUMINOUS	FE	FIRE EXTINGUISHER - SEE SYMBOLS	NR	NOT RATED	STRUCT	STRUCTURAL
G G	BUILDING	FE-K	FIRE EXTINGUISHER - KITCHEN TYPE - SEE SYMBOLS	NOM	NOMINAL NOT TO SCALE	SUSP	SUSPENDED
G		FEC	FIRE EXTINGUISHER CABINET - SEE SYMBOLS	NTS	NOT TO SCALE	SV	SLEEVE
G	BLOCKING	FF	FACTORY FINISH	OC OD	ON CENTER OUTSIDE DIAMETER	T & G	TONGUE & GROOVE
	BEAM					TERM	TERMINATION
	BOTTOM OF	FH	FIRE HYDRANT	ODC	OVERFLOW DRAIN CAP	THRESH	THRESHOLD
)	BOTTOM OF DECK	FIN	FINISH(ED)	OHVD	OVERHEAD	TO	TOP OF
T	BOTTOM	FLASH('G)	FLASHING	OPER	OPERABLE	TOS	TOP OF SLAB
/N	BETWEEN	FLR	FLOOR	OPP	OPPOSITE HAND	TRTD	TREATED
	CATCH BASIN	FM	FACTORY MUTUAL	OPNG	OPENING	TYP	TYPICAL
1	CEMENT	FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	OTS	OPEN TO STRUCTURE-PAINT TYP	TS	TUBE STEEL
1F	COLD FORM METAL FRAMING	FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	OTA	OPEN TO ABOVE	UL	UNDERWRITERS LABORATORY
	CORNER GUARD (SS)	FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	OVHG	OVERHANG	UNO	UNLESS NOTED OTHERWISE
	CONTROL JOINT	FOM	FACE OF MASONRY	PENE	PENETRATION	U/S	UNDER SIDE
;	CEILING	FO	FACE OF	PERF	PERFORATED	VCT	VINYL COMPOSITION TILE
J	CONCRETE MASONRY UNIT	FOB	FACE OF BRICK	PFMU	POLISHED FINISH MASONRY UNIT	VIF	VERIFY IN FIELD
	CLEAN OUT	FO CMU	FACE OF CMU	PI	POST INDICATOR	V PLAS	VENEER PLASTER
=	COLUMN	FP	FIREPLACE	PJSC	PROJECTION SCREEN	VERT	VERTICAL
NC .	CONCRETE	FRMG	FRAMING	PL	PLATE	VWC	VINYL WALL COVERING
RR	CORRIDOR	FRP	FIBERGLAS REINFORCED PANEL(S)	PLAM	PLASTIC LAMINATE	W	WASHING MACHINE
	CENTER LINE	FT	FOOT OR FEET	PLAS	PLASTER	W/	WITH
!	CLEAR			PNL	PANEL	WB	WHITE BOARD
NN	CONNECT	FTR	FIN TUBE RADIATION	PNT	PAINT	WC	WATER CLOSET
NT	CONTINUOUS	GA	GAUGE	POLY	EXTRUDED POLYSTYRENE	WF	WIDE FLANGE
	CEMENT PLASTER	GALV	GALVANIZED	PR	PAIR	WDO	
	CARPET	GL	GLASS	PROT	PROTECTION		WINDOW WOOD
(COUNTERSINK	GLB	GLUE LAMINATED BEAM	PSI	POUND PER SQUARE INCH	WD	
•	CERAMIC TILE	GWB	GYPSUM WALL BOARD	PT	PRESSURE TREATED	WHS	WELDED HEAD STUD
	CURTAINWALL	GYP	GYPSUM	PTN	PARTITION	WOM	WALK OFF MAT
	CLOTHES DRYER	HBD	HARDBOARD			WP	WALL PAD
	DOUBLE	HC	HANDICAP	PVC	POLYVINYL CHLORIDE	WR	WATER RESISTANT
МО	DEMOLISH	HD	HOOD	PW OR PLYWD		WWF	WELDED WIRE FABRIC
110	DRINKING FOUNTAIN	HDW	HARDWARE	QT	QUARRY TILE		
, Ø	DIAMETER	HGT	HEIGHT	RCP	REFLECTED CEILING PLAN		
, <i>&</i>	DOWN	HM	HOLLOW METAL	RAD	RADIUS		
	DITTO OR REPEAT ADJACENT ELEMENT	HORIZ	HORIZONTAL	RD	ROOF DRAIN		
	DOOR	HR	HOUR	RE	REFER TO		
		ID	INSIDE DIAMETER	REF	REFRIGERATOR		
00	DOWNSPOUT	ΙΕ	INVERT ELEVATION	RES	RESILIENT FLOORING		
GS	DRAWINGS	INT	INTERIOR	REQD	REQUIRED		
			III E I I O I	DM	DOOM		

ROOM

SCHEDULE

SCHED

RUBBER FLOORING

RAIN WATER LEADER

SELF ADHERED MEMBRANE

SUSPENDED ACOUSTICAL CEILING

INSULATION

JOINT

ANGLE LAMINATE

POUND

INSTALL OR INS INSTALLATION

LB OR #

INTERACTIVE FLAT PANEL

LONG LEG HORIZONTAL

LONG LÉG VERTICAL

DRAWING LIST

GENERAL A0.00	COVER SHEET
	001211011221
CIVIL	OITE OUDVEV DUAN
EX-1	SITE SURVEY PLAN
EX-2	SITE SURVEY PLAN
EX-3	SITE SURVEY PLAN
EX-4	SITE SURVEY PLAN
C-00	OVERALL PLAN
C-01.1	DEMO PLAN
C-01.2	DEMO PLAN
C-01.3	DEMO PLAN
C-01.4	DEMO PLAN
C-02.1	SITE PREPARATION PLAN
C-02.2	SITE PREPARATION PLAN
C-02.3	SITE PREPARATION PLAN
C-02.4	SITE PREPARATION PLAN
C-03.1	DETAILS
C-03.2	DETAILS

GEOTHERMAL

OVERALL BOREFIELD PLAN GEOTHERMAL DETAILS I GEOTHERMAL DETAILS II

TOWN OF MAYNARD **GREEN MEADOW ELEMENTARY SCHOOL**

EARLY SITE

PACKAGE

PREPARATION

OWNER / PROJECT NAME / LOCATION

5 TIGER DRIVE MAYNARD, MA 01754

COVER SHEET



264 Exchange Street Chicopee, Massachusetts 01013 413 592 9700 T info@mvgarchitects.com E

DRAWING INFORMATION DRAWN BY CHECKED MAY 22, 2024

DRAWING NUMBER

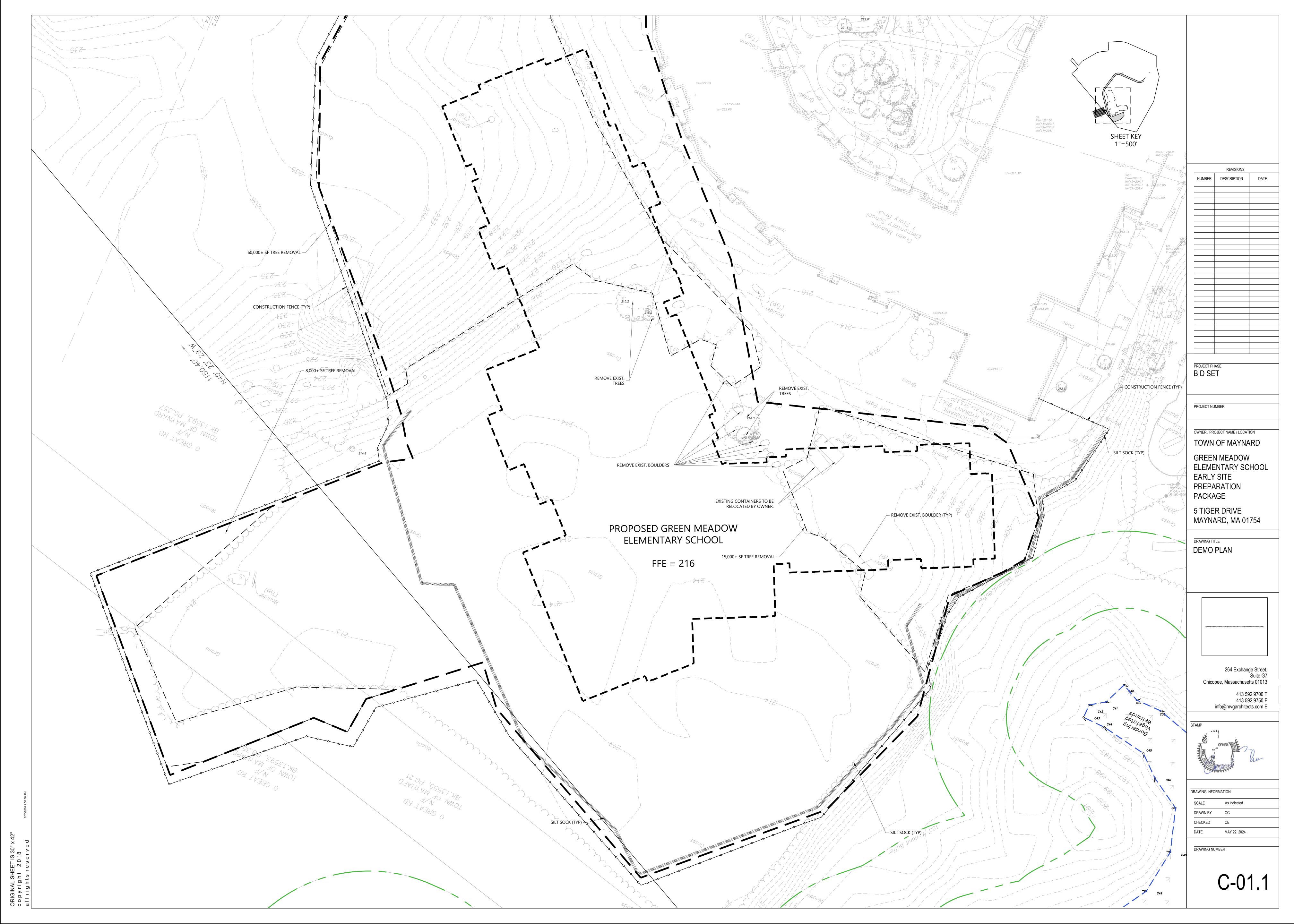












GENERAL EROSION & SEDIMENTATION CONTROL PLAN NOTES: APPLICANT/CONTRACTOR SHALL BE RESPONSIBLE FOR PHYSICALLY MARKING THE LIMITS OF CONSTRUCTION ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO THAT WORKERS UNDERSTAND THE AREAS TO BE PROTECTED. THE PHYSICAL MARKERS SHALL BE INSPECTED DAILY AND REPAIRED AS NECESSARY THROUGHOUT THE DURATION OF THE PROJECT. PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE AND MAINTAINED TO CONTAIN SOILS ON-SITE. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST NOT BE DISTURBED UNLESS THE APPLICANT HAS OBTAINED PRIOR APPROVAL FROM THE CITY. MEASURES SHALL BE TAKEN TO CONTROL EROSION WITHIN THE PROJECT AREA. SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED AND RETAINED WITHIN THE PROJECT AREA AND STREET SWEEPING OF ADJACENT STREETS AND ROADS SHALL BE INCLUDED WHERE NECESSARY. 4. ALL AREAS OUTSIDE THE SITE SHALL BE PROTECTED FROM SHEET KEY 1"=500' MONITORING AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION SHALL BE REQUIRED. SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES $\frac{1}{4}$ TO $\frac{1}{2}$ THE HEIGHT OF THE EROSION CONTROL. DIVERT RUNOFF FROM OFFSITE AND UNDISTURBED AREAS AWAY NUMBER DESCRIPTION FROM CONSTRUCTION TO MINIMIZE SOIL EROSION AND SEDIMENTATION ON AND OFF-SITE. TEMPORARILY STABILIZE ALL HIGHLY ERODIBLE SOILS AND SLOPES IMMEDIATELY. LAND DISTURBANCE ACTIVITIES EXCEEDING TWO ACRES IN SIZE SHALL NOT BE DISTURBED WITHOUT A SEQUENCING PLAN THAT REQUIRES STORMWATER CONTROLS TO BE INSTALLED AND EXPOSED SOILS STABILIZED, AS DISTURBANCE BEYOND THE TWO ACRES CONTINUES. A CONSTRUCTION PHASING PLAN, INCLUDING EROSION AND SEDIMENT CONTROL PLAN FOR EACH PHASE, SHALL BE SUBMITTED TO THE CITY PRIOR TO ANY CONSTRUCTION ON THE SITE. MASS CLEARINGS AND GRADING OF THE ENTIRE SITE SHALL BE AVOIDED. SOIL STOCKPILES MUST BE STABILIZED OR COVERED AT THE END OF EACH WORKDAY. STOCKPILE SIDE SLOPES SHALL NOT BE GREATER THAN 2:1. ALL STOCKPILES SHALL BE SURROUNDED BY SEDIMENT CONTROLS. DISTURBED AREAS REMAINING IDLE FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED. 10. PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATE SUMMER AND EARLY FALL FROM AUGUST TO OCTOBER 15. DURING THE PEAK SUMMER MONTHS AND IN THE FALL AFTER OCTOBER 15, WHEN SEEDING IS FOUND TO BE IMPRACTICAL, AN APPROPRIATE TEMPORARY MULCH AND/OR NON-ASPHALTIC SOIL TACKIFIER WITH WINTER RYE SHALL BE APPLIED. PERMANENT SEEDING MAY BE UNDERTAKEN DURING THE SUMMER IF PLANS PROVIDE FOR ADEQUATE MULCHING AND WATERING. 11. TEMPORARY CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL ENTRANCE/EXIST POINTS OF THE SITE TO REDUCE THE AMOUNT OF SOIL CARRIED ONTO ROADWAYS AND OFF THE SITE. DUST SHALL ALSO BE CONTROLLED AT THE SITE. PROJECT PHASE 12. ALL SLOPES STEEPER THAN 3:1 (H:V, 33.3%), AS WELL AS PERIMETER DIKES, SEDIMENT BASINS OR TRAPS, AND EMBANKMENTS MUST, UPON COMPLETION, BE IMMEDIATELY STABILIZED WITH SOD, SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES. 13. TEMPORARY SEDIMENT TRAPPING DEVICES MUST NOT BE REMOVED PROJECT NUMBER UNTIL PERMANENT STABILIZATION IS ESTABLISHED IN ALL CONSTRUCTION AREAS ASSOCIATED WITH THE PROJECT. SIMILARLY, STABILIZATION MUST BE ESTABLISHED PRIOR TO CONVERTING REMOVE EXIST. TEMPORARY SEDIMENT TRAPS/BASINS INTO PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT FACILITIES. OWNER / PROJECT NAME / LOCATION ALL FACILITIES USED FOR TEMPORARY MEASURES SHALL BE CLEANED AND RE-STABILIZED PRIOR TO BEING PUT INTO FINAL TOWN OF MAYNARD / SILT SOCK (TYP) -14. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES **GREEN MEADOW** SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED **ELEMENTARY SCHOOL** SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY EXITING CONTAINER TO BE MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF RELOCATED BY OWNER EARLY SITE PREPARATION SITE DUST CONTROL REQUIREMENTS PACKAGE THE CONTRACTOR SHALL MITIGATE ALL DEMOLITION AND REMOVE EXIST. CONSTRUCTION DUST GENERATED ON THE PROJECT SITE CONSTRUCTION FENCE (TYP) -REGARDLESS OF THE ACTIVITY BEING PERFORMED. THE CONTRACTOR SHALL PROVIDE WATER FOR DUST CONTROL AND PUMPS AND HOSES ON SITE AT ALL TIMES TO MANAGE DUST MAYNARD, MA 01754 DURING AND AFTER DEMOLITION. THE CONTRACTOR SHALL EMPLOY TECHNIQUES SUCH AS WET SWEEPING, WATERING DOWN WITH HOSES AND PREEMPTIVE DRAWING TITLE CLEANING TO MITIGATE DUST GENERATION FROM ALL OPERATIONS. DEMO PLAN SAW CUTTING SHALL BE DONE USING SAWS THAT ARE EQUIPPED WITH SPRAY ATTACHMENTS THAT WILL ADEQUATELY WET DEBRIS REMOVE EXIST. GENERATED FROM CUTTING FROM BECOMING AIR-BORN. BENCHES REMOVE EXIST. SILT SOCK (TYP) JERSEY BARRIER WITH CONSTRUCTION FENCE (TYP) — 264 Exchange Street, Chicopee, Massachusetts 01013 REMOVE EXIST info@mvgarchitects.com E 60,000 ± SF TREE REMOVAL BOULDER\$ JERSEY BARRIER WITH SILT SOCK (TYP) CONSTRUCTION FENCE (TYP) — **EXISTING TRANSFORMER TO BE** REMOVED. TEMP SERVICE TO — BE PULLED FROM UTILITY POLE DRAWING INFORMATION CHECKED CE MAY 22, 2024 DRAWING NUMBER ds=213.34FFE=213.30 ds=213.34

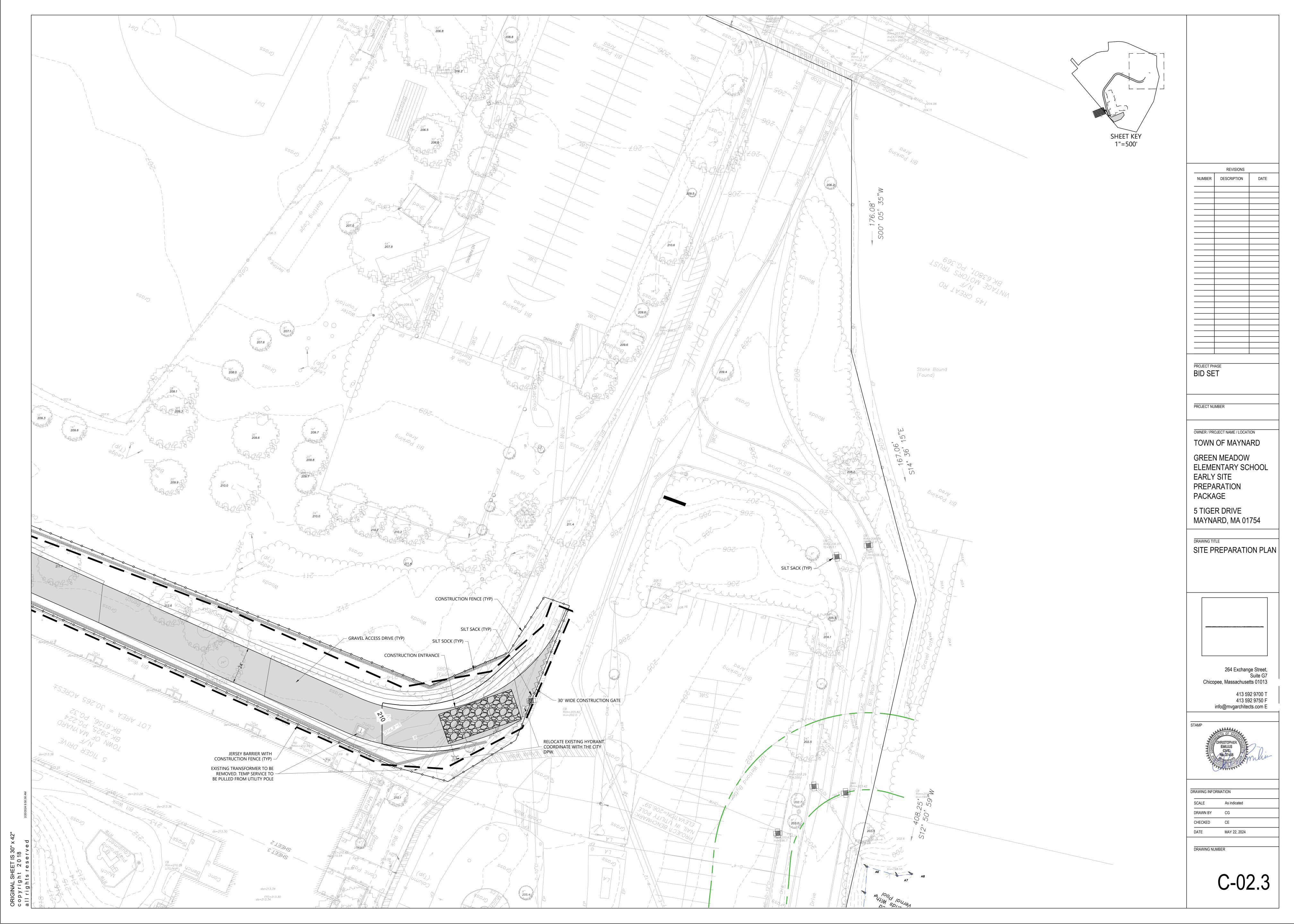
413 592 9700 T 413 592 9750 F



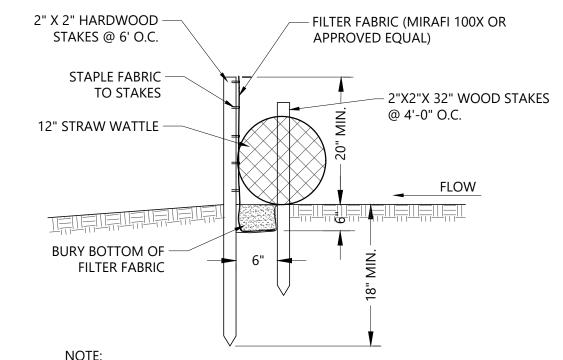




GENERAL NOTES: 1. REFER TO DRAWING C-01 FOR EROSION CONTROL NOTES. THESE NOTES SHALL APPLY TO THE FINAL SITE CONDITION. APPLICANT/CONTRACTOR SHALL BE RESPONSIBLE FOR PHYSICALLY MARKING THE LIMITS OF CONSTRUCTION ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO THAT WORKERS UNDERSTAND THE AREAS TO BE PROTECTED. THE PHYSICAL MARKERS SHALL BE INSPECTED DAILY AND REPAIRED AS NECESSARY THROUGHOUT THE DURATION OF THE PROJECT. PERIMETER SEDIMENT CONTROL SYSTEM AS SHOWN ON THIS DRAWING AND ON THE DEMOLITION PLAN SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE AND MAINTAINED TO CONTAIN SOILS ON-SITE. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST NOT BE DISTURBED UNLESS THE APPLICANT HAS OBTAINED PRIOR APPROVAL FROM THE CITY. ADDED MEASURES TO CONTROL EROSION ARE ADDED TO THIS DRAWING TAKEN TO CONTROL EROSION WITHIN THE PROJECT AREA AND TO CONTROL SEDIMENT TO THE PROPOSED LOWER SHEET KEY POND AND THE OUTFALL PIPING BEING INSTALLED DURING THIS 1"=500' PROJECT AND TO BE MAINTAINED AS PART OF THE FINAL SITE. ALL OFF SITE AREAS AND DRAIN INLETS SHALL BE PROTECTED FROM SEDIMENT DURING AND AFTER DEMOLITION AND CONSTRUCTION WORK. REVISIONS 6. ALL SEDIMENT COLLECTION SYSTEMS INCLUDING BUT NOT NUMBER DESCRIPTION LIMITED TO: SILT FENCES, SILT FENCE CHECKS, CATCH BASIN SILT SACKS, STRAW WATTLES, LOWER POND FORE-BAY, POND BOTTOM AND OUTLET STRUCTURE, AND UPPER POND INLET STRUCTURE AND ALL DRAINAGE PIPING AND STRUCTURES SHALL BE CLEANED. ALL BROKEN, DAMAGED OR CLOGGED SEDIMENT CONTROL DEVICES SHALL REPLACED AS REQUIRED BY THE OWNER'S REPRESENTATIVE ONCE BUILDING AND SITE DEMOLITION AND ALL PROPOSED CONSTRUCTION IS COMPLETED. SITE DUST CONTROL REQUIREMENTS THE CONTRACTOR SHALL MITIGATE ALL DEMOLITION AND CONSTRUCTION DUST GENERATED ON THE PROJECT SITE REGARDLESS OF THE ACTIVITY BEING PERFORMED. THE CONTRACTOR SHALL PROVIDE WATER FOR DEMOLITION AND CONSTRUCTION PURPOSES BY EITHER SUPPLYING WATER OR COORDINATING A TEMPORARY WATER CONNECTION WITH THE CITY WATER DEPARTMENT. ALL COSTS ASSOCIATED WITH PROVIDING WATER OR PROVIDING A TEMPORARY WATER SERVICE AND DISCONNECTION SHALL BE INCLUDED IN THE BASE PRICE FOR THE CONTRACT, INCLUDING ANY COSTS ASSOCIATED WITH WATER METERS AND BACK FLOW DEVICES REQUIRED BY THE CITY WATER DEPARTMENT. THE CONTRACTOR SHALL EMPLOY TECHNIQUES SUCH AS WET SWEEPING, WATERING DOWN WITH HOSES AND PREEMPTIVE CLEANING TO MITIGATE DUST GENERATION FROM ALL OPERATIONS. SAW CUTTING SHALL BE DONE USING SAWS THAT ARE EQUIPPED WITH SPRAY ATTACHMENTS THAT WILL ADEQUATELY WET DEBRIS GENERATED FROM CUTTING FROM BECOMING AIR-BORN. PROJECT PHASE OWNER / PROJECT NAME / LOCATION TOWN OF MAYNARD / SILT SOCK (TYP) **GREEN MEADOW ELEMENTARY SCHOOL EARLY SITE** GRAVEL ACCESS DRIVE (TYP) PREPARATION PACKAGE CONSTRUCTION FENCE (TYP) 5 TIGER DRIVE MAYNARD, MA 01754 SITE PREPARATION PLAN SILT SOCK (TYP) JERSEY BARRIER WITH CONSTRUCTION FENCE (TYP) — 264 Exchange Street, Chicopee, Massachusetts 01013 413 592 9700 T 413 592 9750 F info@mvgarchitects.com E PROPOSED CHAIN LINK FENCE JERSEY BARRIER WITH CONSTRUCTION FENCE (TYP) – REMOVED. TEMP SERVICE TO BE PULLED FROM UTILITY POLE DRAWING INFORMATION DRAWN BY CG CHECKED CE MAY 22, 2024 DRAWING NUMBER ds=213.34FFE=213.30 ds=213.34

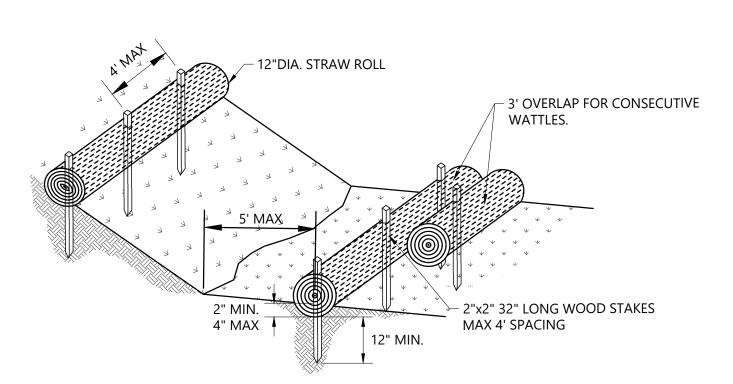






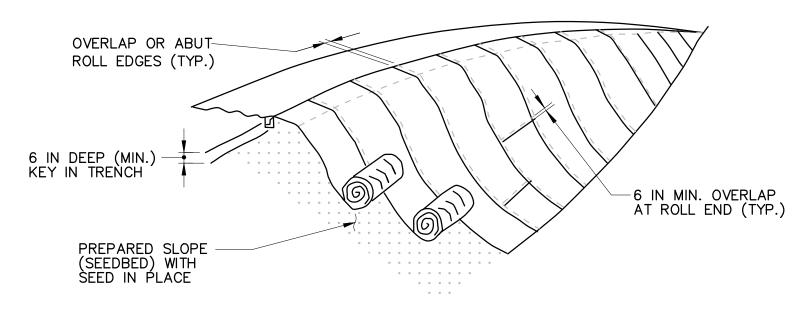
NOTE:
AN EROSION BARRIER CONSISTING OF A CONTINUOUS ROW OF STRAW WATTLES
SHALL BE INSTALLED IN LOCATIONS NOTED ON THE PLANS.

STRAW WATTLE AND SILT FENCE DETAIL NOT TO SCALE



STRAW WATTLE DETAIL

NOT TO SCALE



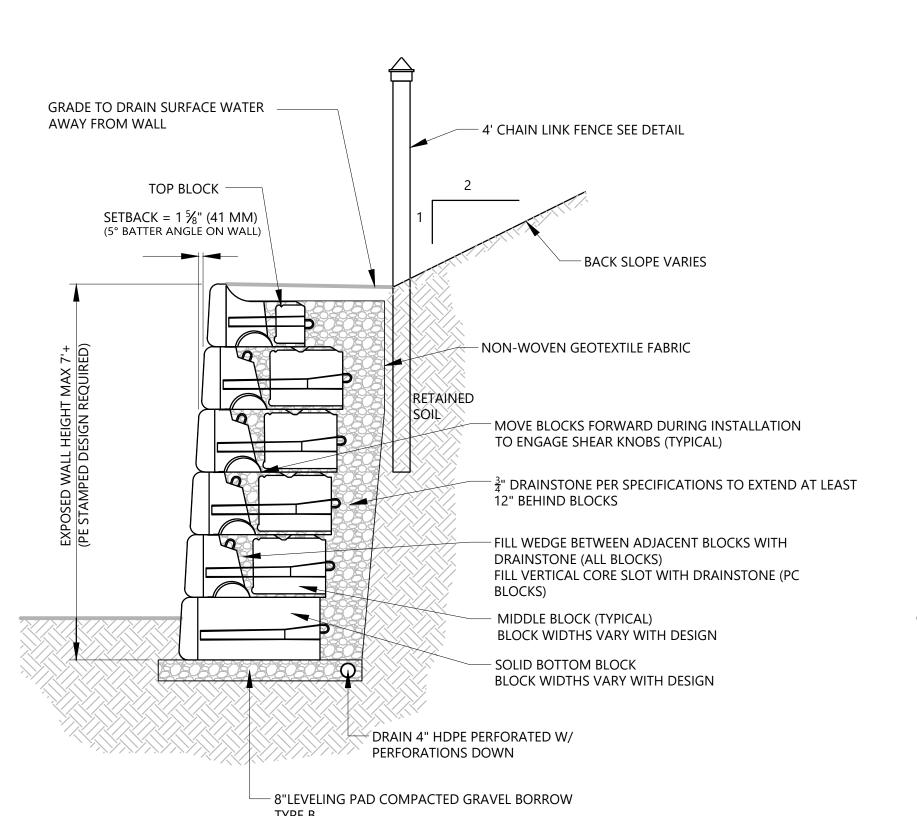
ISOMETRIC VIEW

CONSTRUCTION SPECIFICATIONS

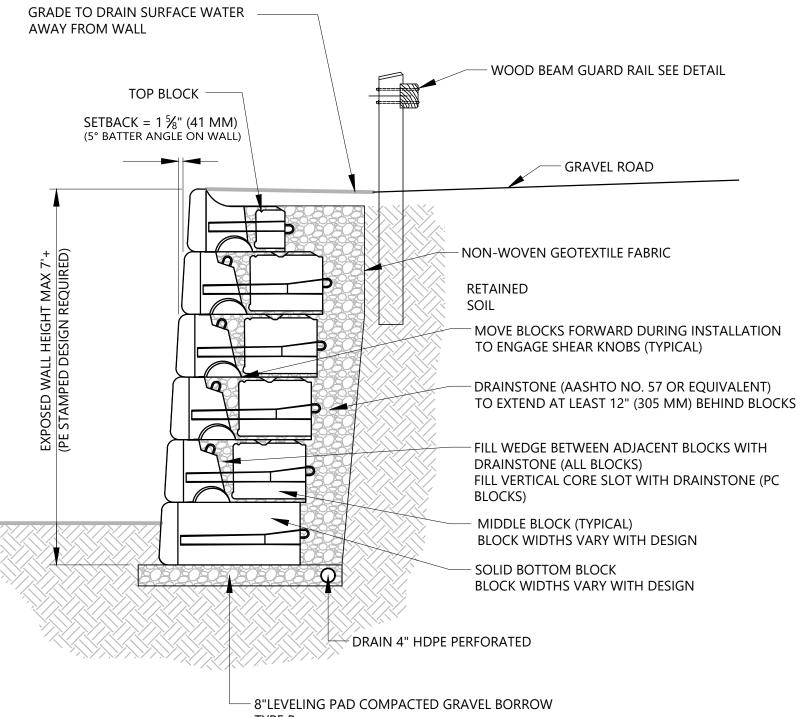
- 1. JUTE MESH FOR POND SIDE SLOPES AND PERMANENT SLOPES SHALL BE 100% JUTE 15 O.Z./SQ.YD. LOOSELY WOVEN AND BIODEGRADABLE.
- 2. JUTE MESH SHALL BE MADE OF DEGRADABLE (LASTS 6 MONTHS MAX.) NATURAL FIBERS. MESH STRANDS MUST HAVE UNIFORM THICKNESS AND STRANDS SHALL BE EVENLY SPACED IN BOTH DIRECTIONS.
- 3. SECURE MATTING USING STEEL OR BIODEGRADABLE STAPLES, SPACED AT LEAST 12 INCHES ON CENTER.
- 4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN.
- 5. UNROLL MATTING DOWN-SLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
- 6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UP-SLOPE MAT OVERLAPPING ON TOP OF THE DOWN-SLOPE MAT.
- 7. KEY IN THE UP-SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE
- 8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 1 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
- 9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE LANDSCAPE PLANS AND SPECIFICATIONS.

TEMPORARY SOIL STABILIZATION JUTE MESH SLOPE APPLICATION

NOT TO SCALE

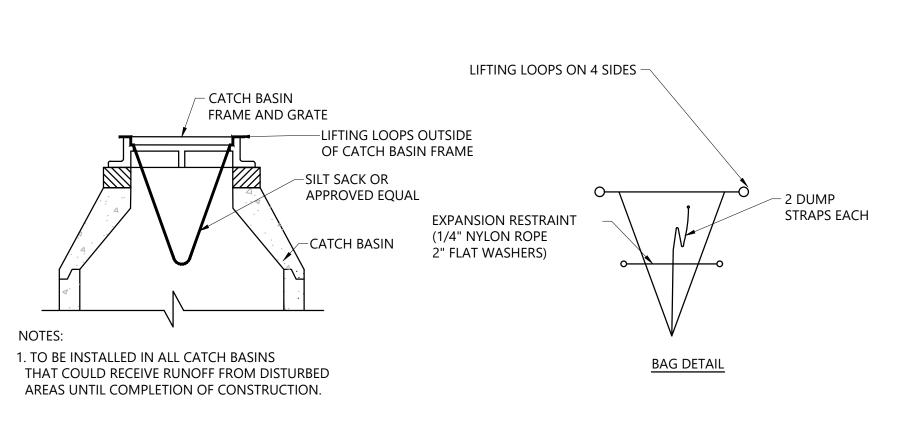


TYPICAL REDI-ROCK GRAVITY RETAINING WALL W/ FENCE
NOT TO SCALE



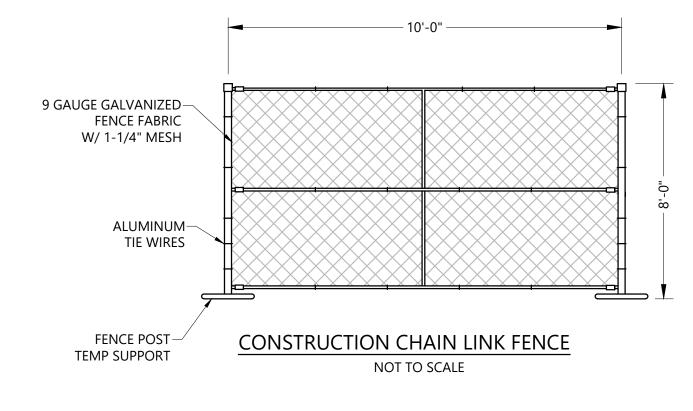
TYPICAL REDI-ROCK GRAVITY RETAINING WALL W/ GUARD RAIL

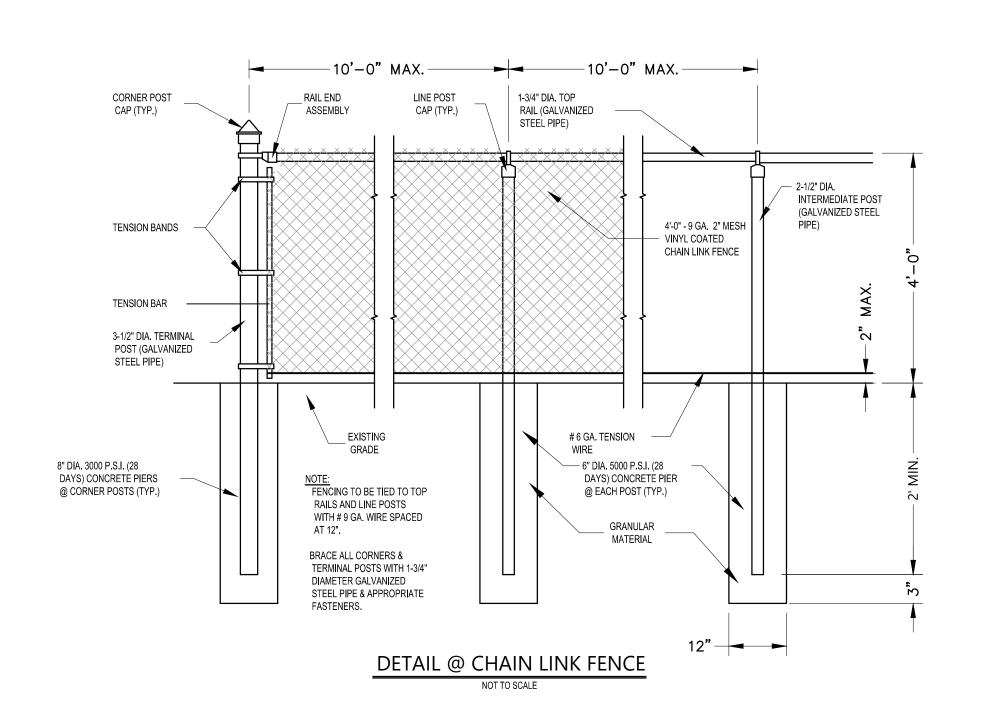
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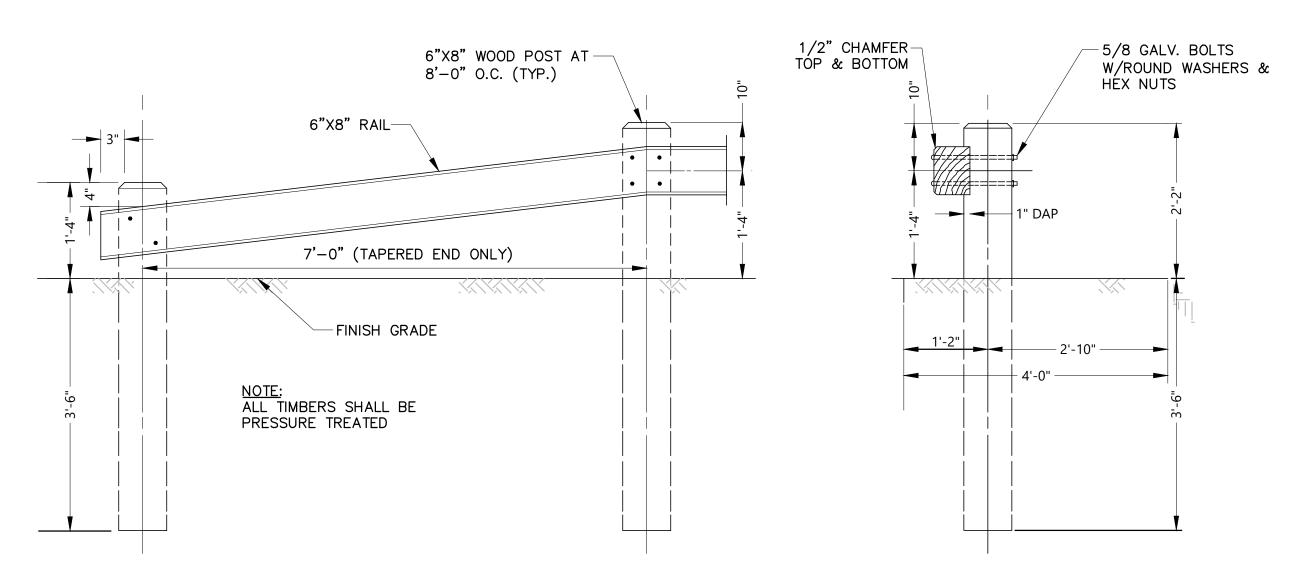


SILT SACK DETAIL

NOT TO SCALE







WOOD BEAM GUARD RAIL DETAIL NOT TO SCALE



REVISIONS

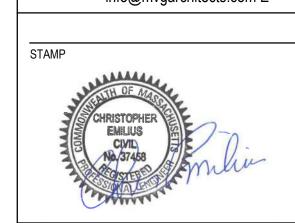
DESCRIPTION

NUMBER

DRAWING TITLE

DETAILS

264 Exchange Street, Suite G7 Chicopee, Massachusetts 01013 413 592 9700 T 413 592 9750 F info@mvgarchitects.com E



DRAWING INFORMATION

SCALE As indicated

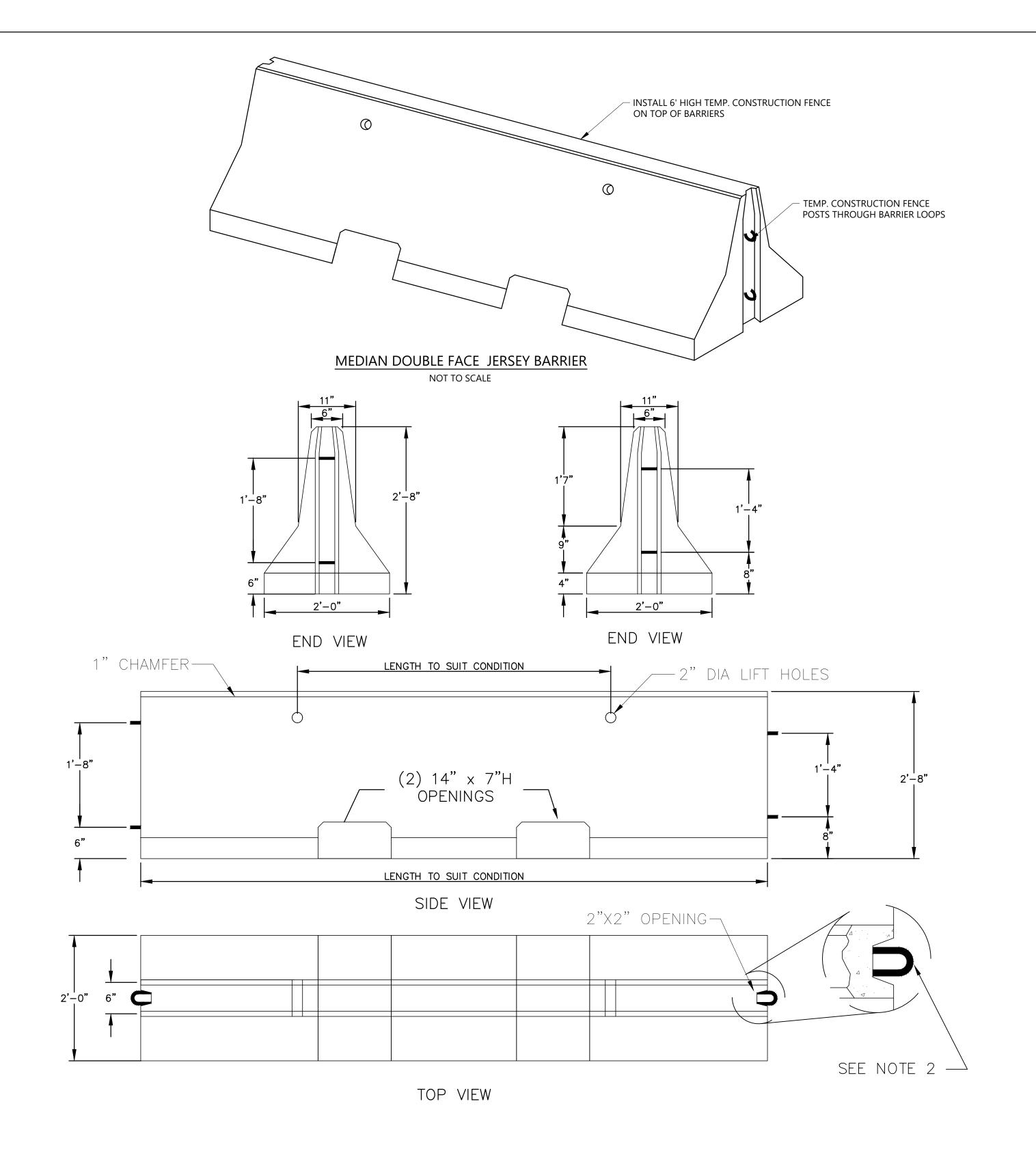
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DATE MAY 22, 2024

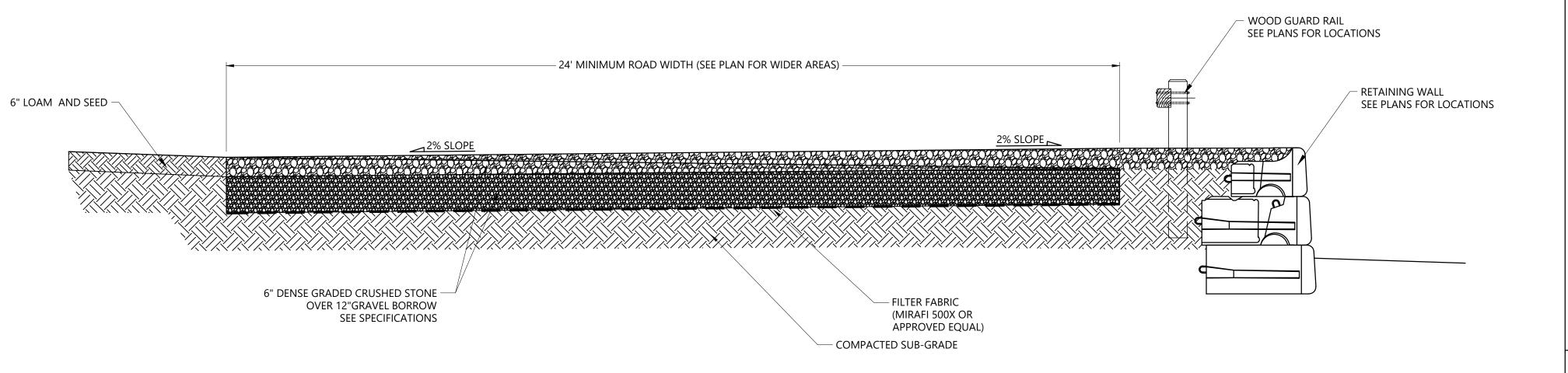
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DT-01

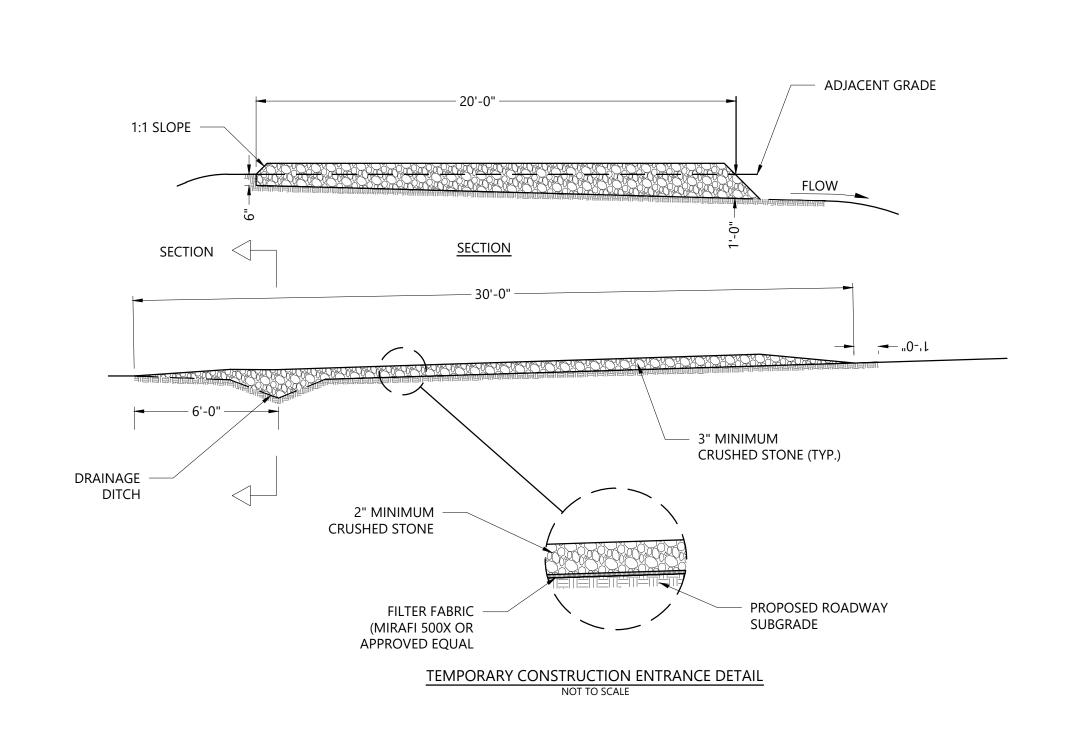


<u>NOTES</u>

- 1. CONCRETE FOR MEDIAN BARRIERS SHALL BE 4,000 PSI MINIMUM AFTER 28 DAYS.
- 2. #5 REBAR BENT TO RECEIVE 1" DIA CONNECTING ROD.
- 3. LIFTING HOLE ACCEPTS 1 $\frac{3}{4}$ " DIA CONNECTING H.T. ROD.
- 4. BARRIER RENTAL AVAILABLE.
- 5. CONTRACTOR SHALL DETERMINE THE LENGTH AND QUANTITY OF BARRIERS NEEDED.
- 6. MINIMUM BARRIER LENGTH SHALL BE 5 FEET.
- 7. ALL APROACH ENDS SHALL BE TAPERED.



TYPICAL GRAVEL ROAD SECTION NOT TO SCALE



REVISIONS

NUMBER DESCRIPTION DATE

PROJECT NUMBER

OWNER / PROJECT NAME / LOCATION

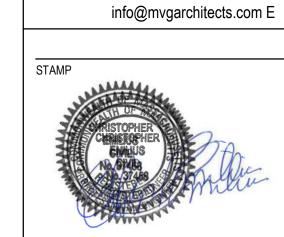
TOWN OF MAYNARD

GREEN MEADOW
ELEMENTARY SCHOOL
EARLY SITE
PREPARATION
PACKAGE

5 TIGER DRIVE MAYNARD, MA 01754

DETAILS

264 Exchange Street, Suite G7 Chicopee, Massachusetts 01013 413 592 9700 T 413 592 9750 F



DRAWING INFORMATION

SCALE As indicated

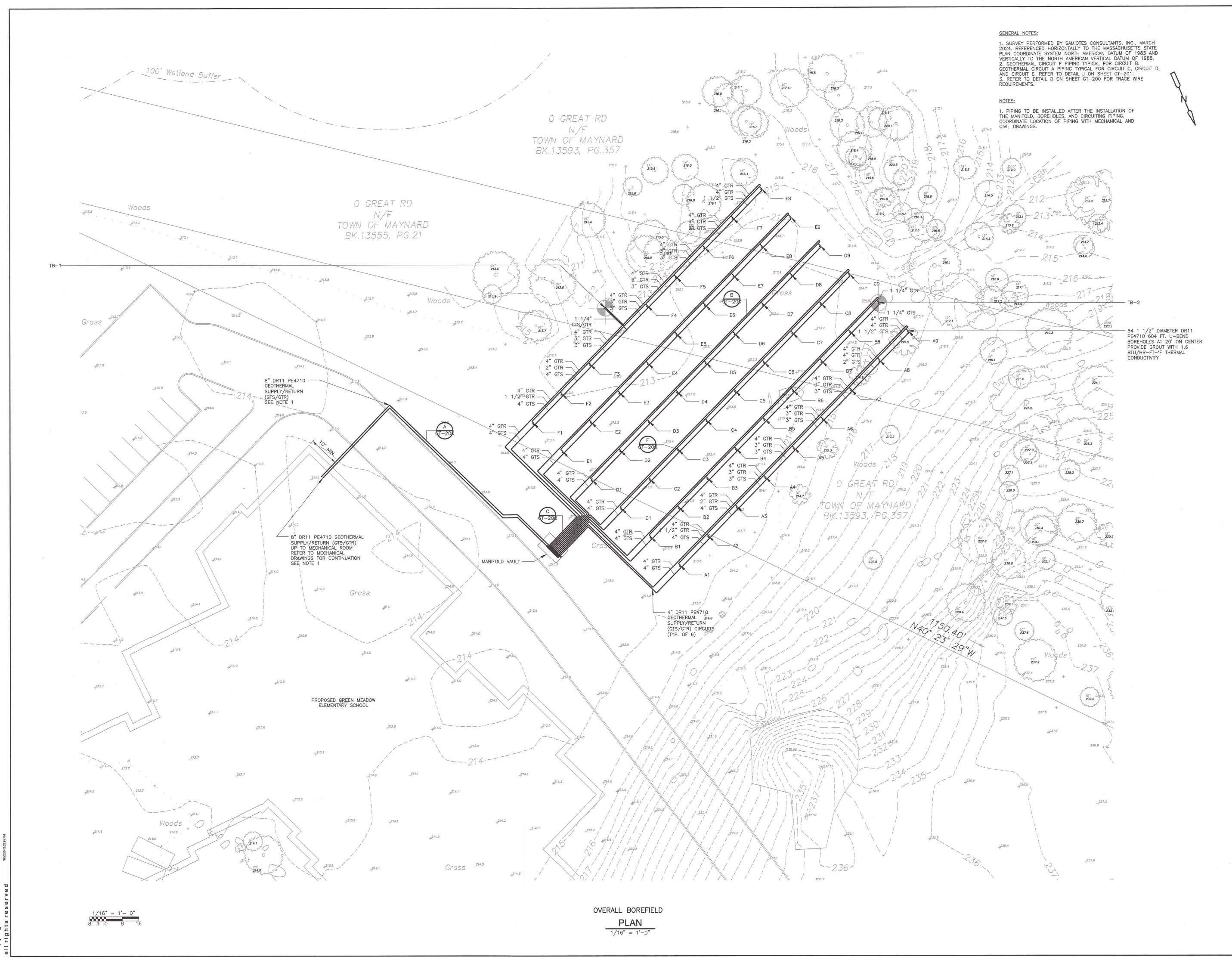
DRAWN BY CG

CHECKED CE

DATE MAY 22, 2024

DRAWING NUMBER

DT-02





NUMBER	DESCRIPTION	DATE
NOMBER	DECOMM TON	57.1.2
		-

BID SET

PROJECT NUMBER

OWNER / PROJECT NAME / LOCATION

TOWN OF MAYNARD

GREEN MEADOW
ELEMENTARY SCHOOL
EARLY
SITE PREPARATION
PACKAGE

5 TIGER DRIVE MAYNARD, MA 01754

OVERALL BOREFIELD PLAN



264 Exchange Street, Suite G4 Chicopee, Massachusetts 01013

413 592 9700 T info@mvgarchitects.com E



DRAWING INFORMATION

SCALE As indicated

DRAWN BY JK

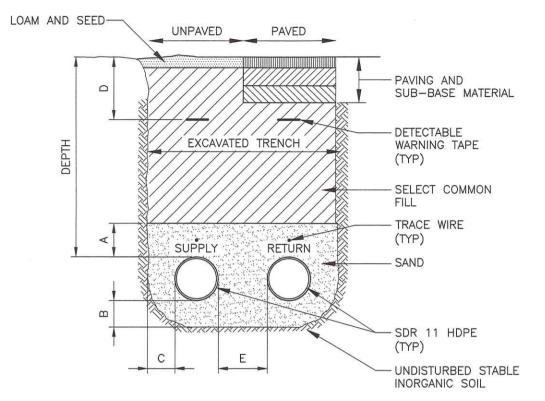
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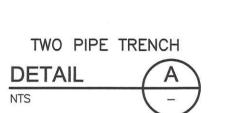
DRAWING NUMBER

DATE

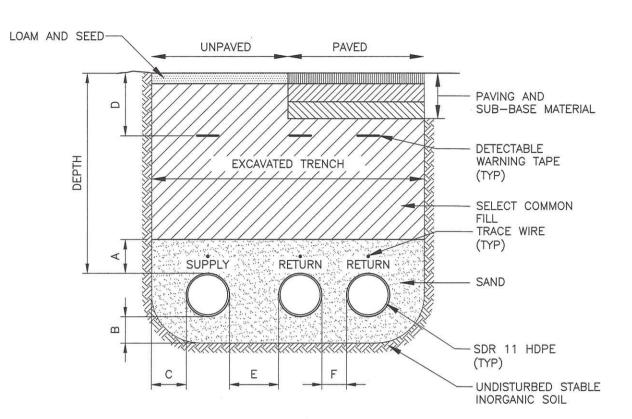
GT-100

MAY 22, 2024



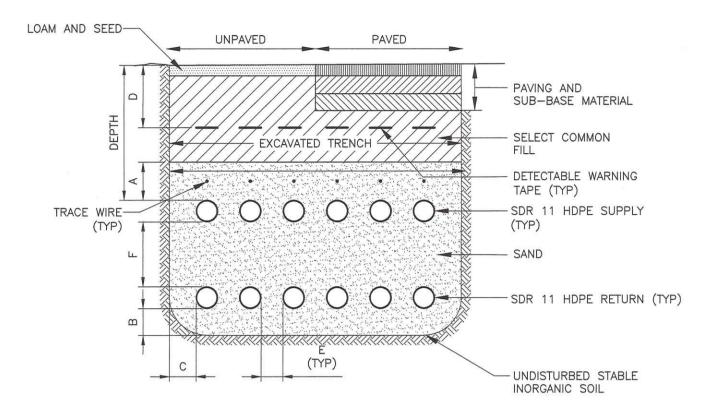


		DI	MENSIONS			
PIPE NPT	DEPTH (MIN.)	A (MIN.)	B (MIN.)	C (MIN.)	D (MAX.)	E (MIN.)
1/2-4	48"	12"	6"	6"	24"	12"
6-12	48"	12"	12"	12"	24"	12"



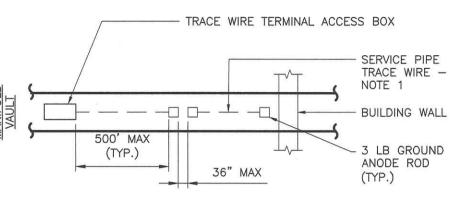
TH	IREE	PIPE	TREN	CH
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NTS			($-\mathcal{I}$
		114511010		

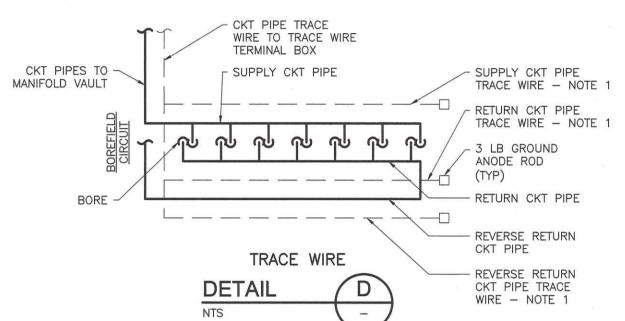
			DIMENS	IONS			
PIPE NPT	DEPTH (MIN.)	A (MIN.)	B (MIN.)	C (MIN.)	D (MAX.)	E (MIN.)	F (MIN.)
1/2-4	48"	12"	6"	6"	24"	12"	3"
6-12	48"	12"	12"	12"	24"	12"	6"



STACKED	PIPE	TRENC	Н
DETAIL		C)
NTS		_	フ
DIN	MENSION	S	

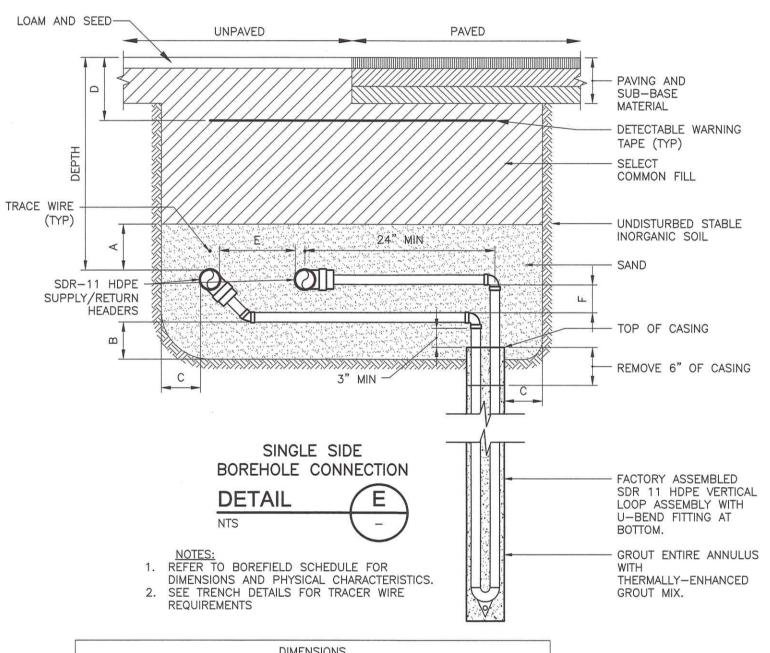
			DIMENS	IONS			
PIPE NPT	DEPTH (MIN.)	A (MIN.)	B (MIN.)	C (MIN.)	D (MAX.)	E (MIN.)	F (MIN.)
1/2-4	48"	12"	6"	6"	24"	3"	6"
6-12	48"	12"	12"	12"	24"	6"	12"



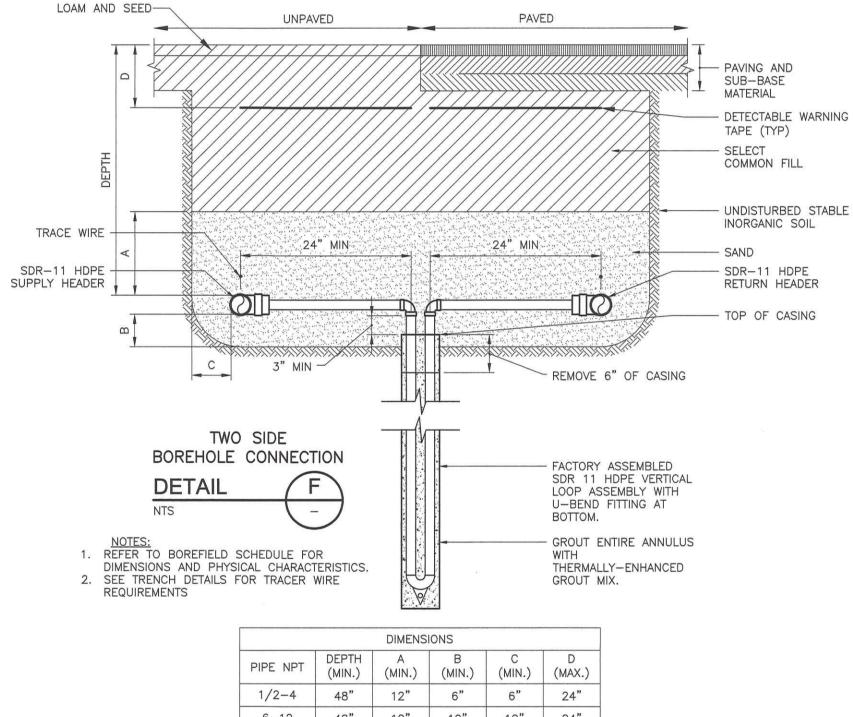


- 1. TRACE WIRE TO BE INSTALLED WITH 6"±2" CLEARANCE FROM FROM PIPE, ABOVE OR ALONGSIDE.

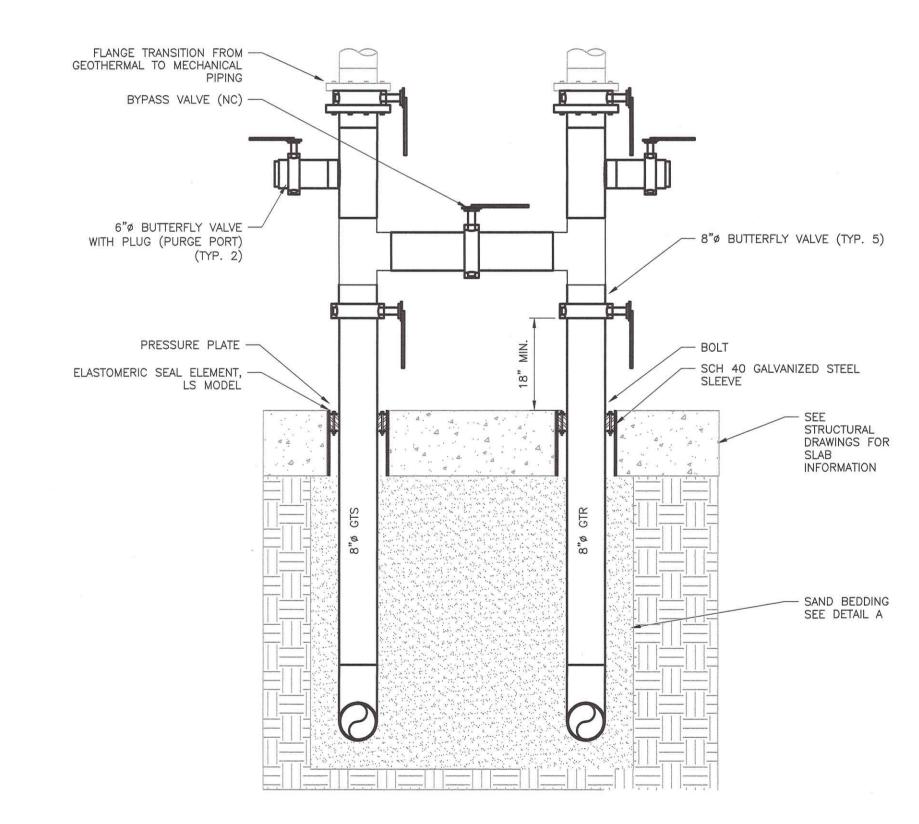
 2. ROUTE BOREFIELD CKT TRACE WIRES TO TERMINATE IN TRACE WIRE TERMINAL ACCESS BOX. ALLOW ENOUGH
- WIRE TO EXTEND 24" ABOVE GRADE AT ACCESS BOX. 3. FOR TRENCHLESS PIPE INSTALLATIONS THE MINIMUM CLEARANCE IS WAIVED. FOR HORIZONTAL DIRECTIONAL DRILL INSTALLATIONS USE #10 STRANDED STAINLESS WIRE.



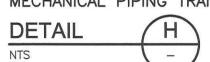
DIMENSIONS							
PIPE NPT	DEPTH (MIN.)	A (MIN.)	B (MIN.)	C (MIN.)	D (MAX.)	E (MIN.)	F (MIN.)
1/2-4	48"	12"	6"	6"	24"	12"	6"
6-12	48"	12"	12"	12"	24"	12"	12"



		DIMENS	IONS		
PIPE NPT	DEPTH (MIN.)	A (MIN.)	B (MIN.)	C (MIN.)	D (MAX.)
1/2-4	48"	12"	6"	6"	24"
6-12	48"	12"	12"	12"	24"



GEOTHERMAL TO MECHANICAL PIPING TRANSITION SECTION





NUMBER	DESCRIPTION	DATE
5/11 (2020) (M2 MIN (M2)	Manual Social So	36560000 2000

		-

BID SET

PROJECT NUMBER

OWNER / PROJECT NAME / LOCATION TOWN OF MAYNARD

GREEN MEADOW ELEMENTARY SCHOOL EARLY

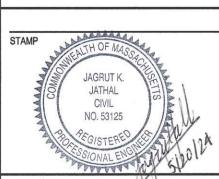
SITE PREPARATION PACKAGE

5 TIGER DRIVE MAYNARD, MA 01754

GEOTHERMAL DETAILS I



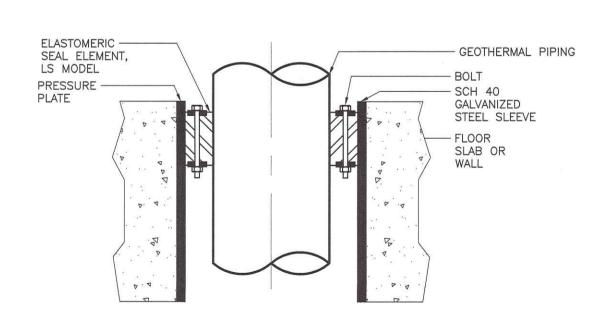
264 Exchange Street, Chicopee, Massachusetts 01013 413 592 9700 T info@mvgarchitects.com E



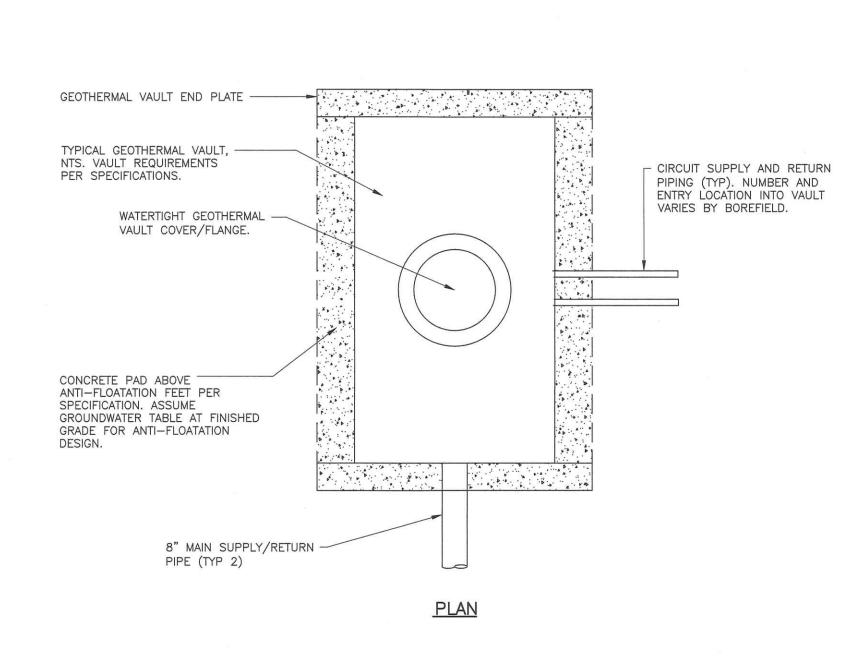
19	(*)	
DRAWING INFOR	MATION	
SCALE	As indicated	
DRAWN BY	JK	
CHECKED	JJ	
DATE	MAY 22, 2024	

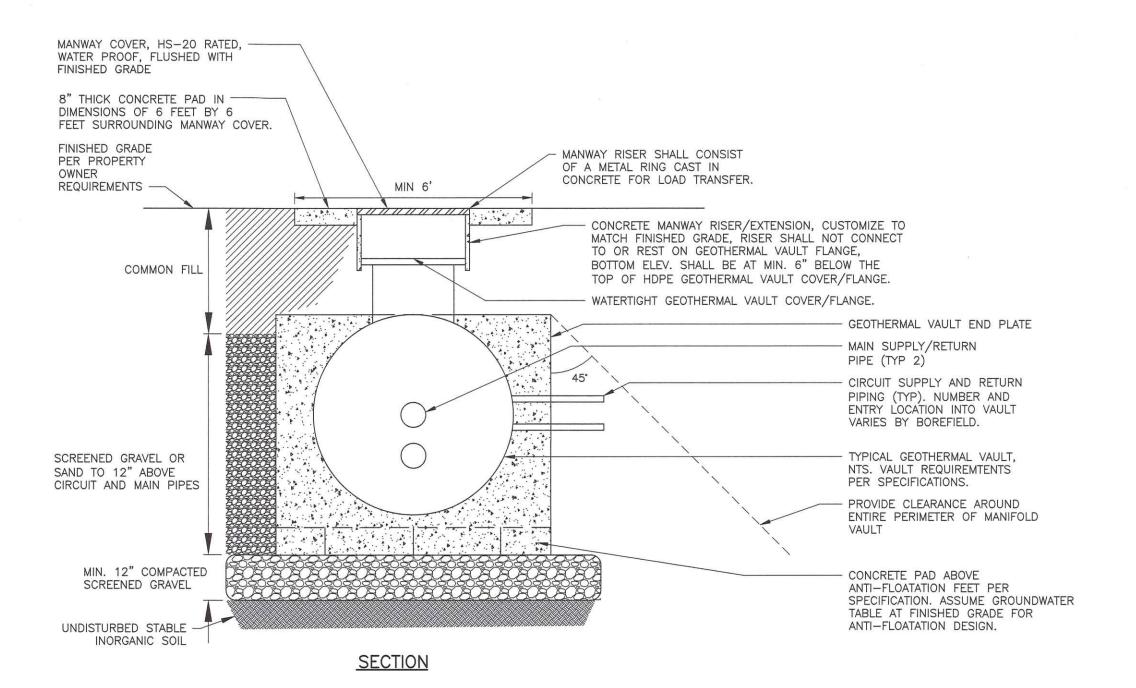
DRAWING NUMBER

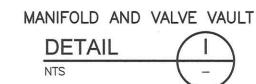
GT-200

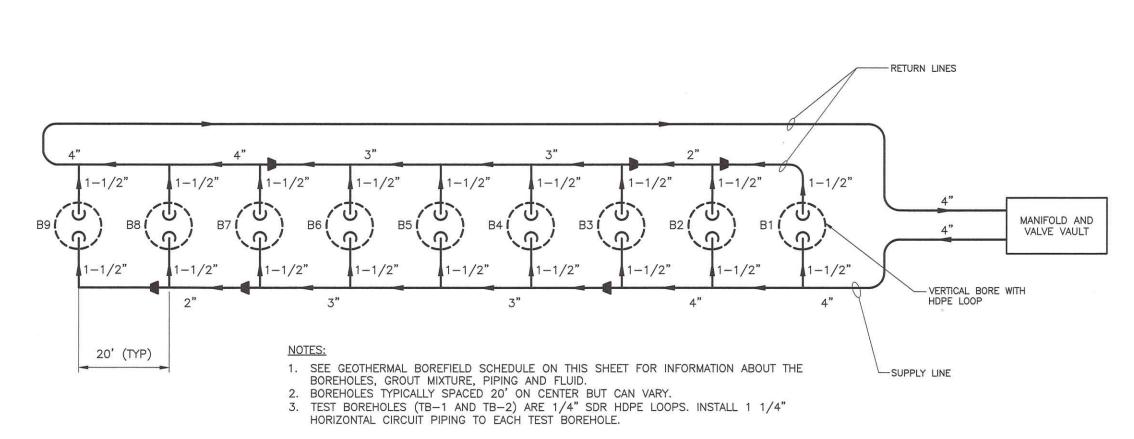


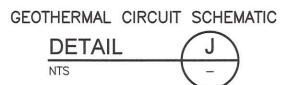
TYPICAL PIPE PENETRATION THROUGH NEW STRUCTURES











GEOTHERMAL	BOREHOLES	
NUMBER OF BORES / LOOPS	54	
BORE / LOOP DEPTH	604 FT. EA.	
NUMBER OF CIRCUITS	6	
NUMBER OF LOOPS PER CIRCUIT	9	
GROUT	MIXTURE	
GROUT TYPE	THERMALLY ENHANCED BENTONITE	
GROUT MIN. THERMAL CONDUCTIVITY	1.6 BTU/HR-FT-F	
GEOTHER	MAL PIPE	
LOOP TYPE	1-1/2" SDR 11 HDPE	
REVERSE/RETURN CIRCUIT PIPE SIZES	4"ø, 3"ø, 2"ø, 1-1/2"ø	
HEADER PIPE SIZE	8"ø	
PIPE MATERIAL (REVERSE/RETURN CIRCUIT)	HDPE SDR-11	
PIPE MATERIAL (LOOP)	HDPE (PE4710) SDR-1	
FLUID INF	ORMATION	
FLUID	25% PROPYLENE GLYCOL	
MINIMUM ENTERING WATER TEMPERATURE	40°F	
MAXIMUM ENTERING WATER TEMPERATURE	90°F	
CIRCUIT A MAX FLOWRATE	153 GPM	
CIRCUIT B MAX FLOWRATE	139 GPM	
CIRCUIT C MAX FLOWRATE	153 GPM	
CIRCUIT D MAX FLOWRATE	153 GPM	
CIRCUIT E MAX FLOWRATE	153 GPM	
CIRCUIT F MAX FLOWRATE	139 GPM	
MINIMUM CIRCUIT FLUSHING FLOWRATE	158 GPM - 4 FT/S	
PEAK FLOW — BOREFIELD	890 GPM - 65 FT. H20	



REVISIONS		
NUMBER	DESCRIPTION	DATE
		1171

PROJECT PHASE
BID SET

PROJECT NUMBER

OWNER/PROJECT NAME/LOCATION

TOWN OF MAYNARD

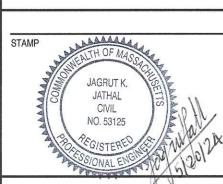
GREEN MEADOW
ELEMENTARY SCHOOL
EARLY
SITE PREPARATION
PACKAGE

5 TIGER DRIVE MAYNARD, MA 01754

GEOTHERMAL DETAILS II



264 Exchange Street, Suite G4 Chicopee, Massachusetts 01013 413 592 9700 T info@mvgarchitects.com E



SCALE	As indicated
DRAWN BY	JK
CHECKED	JJ
DATE	MAY 22, 202

DRAWING NUMBER

GT-201