

EXISTING CONDITIONS/SURVEY NOTES:

- EXISTING TOPOGRAPHY INFORMATION, PROPERTY LINES, UTILITY INFORMATION, EDGE OF PAVEMENT AND LOCATIONS OF STRUCTURES WERE TAKEN FROM A PLAN
 PROVIDED BY ALPHA SURVEY GROUP, LLC ENTITLED "EXISTING CONDITIONS" AND BOUNDARY SURVEY 1485 WASHINGTON STREET HOLLISTON, MA 01746, DATED
 05/01/2022
- OS/OT/2022.

 2. THE LOCATION OF THE SEPTIC SYSTEM SHOWN ON THE PLAN IS APPROXIMATE AND BASED ON A SKETCH WITH SWING TIES TO FIXED SITE FEATURES PRESENT IN THE TITLE 5 OFFICIAL INSPECTION FORM DATED 05/15/2019, DISTAINED FROM THE HOLLISTON BOARD OF HEALTH.

GENERAL CONSTRUCTION AND DEMOLITION NOTES:

- EXCEPT AS REQUIRED TO PERFORM SPECIFIC WORK ACTIVITIES RELATED TO UTILITY CONNECTIONS, CONTRACT SHALL CONFINE HIS OPERATIONS INCLUDING ALL STOCKPILES, STORAGE, AND STAGING, TO WITHIN THE LIMIT OF WORK.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE-RELATED DUST CONTROL.
- 3. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS WITH UTILITY PROMDERS FOR TEMPORARY ELECTRICAL SERVICE FOR DEMOLITION/CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL PROVIDE AND PAY FOR ALL TEMPORARY WRING, SWITCHES, CONNECTIONS, METERS AND SERVICE. CONTRACTOR SHALL REMOVE ALL TEMPORARY EQUIPMENT NOTED ABOVE AFTER COMPLETION OF WORK, THE CONTRACTOR MAY, AT HIS OWN EXPENSE, UTILIZE TEMPORARY GENERATORS TO PROVIDE POWER FOR DEMOLITION/CONSTRUCTION ACTIVITIES.
- 4. THE CONTRACTOR SHALL PROVIDE TEMPORARY CHAIN LINK CONSTRUCTION FENCE IN ACCORDANCE WITH THE PLANS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A PLAN CONFIRMING THE LOCATION OF THE CONSTRUCTION FENCE, ACCESS GATES AND CONSTRUCTION ENTRANCES, AND ANY APPLICABLE PHASES, FOR APPROVAL BY THE OWNER.
- 5. THE CONTRACTOR MAY UTILIZE ALL AREAS WITHIN THE LIMIT OF WORK, AS A FIELD OFFICE/STAGING AREA.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR WHEEL CLEANING OF ALL CONSTRUCTION VEHICLES BEFORE EXISTING THE SITE, ANY TRACKED DIRT FROM CONTRACTOR OR SUBCONTRACTOR VEHICLES ONTO THE ACCESS ROAD OR PUBLIC RIGHTS OF WAY SHALL BE SWEPT UP AT THE CONTRACTORS EXPENSE.
- 7. THE CONTRACTOR IS ADVISED THAT THE LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND THAT ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO THE START OF CONSTRUCTION AND DEMOUTION ACTUMIES THE CONTRACTOR SHALL FIELD VERBY THE LOCATIONS OF ALL EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES NOT SCHEDULED FOR DEMOUTING.
- 8. REMOVAL OF ANY WORK OR ITEM SHALL INCLUDE OFFSITE LEGAL DISPOSAL OF SAME. ALL REMOVAL AND DISPOSAL WORK SHALL BE PERFORMED IN A SAFE AND LEGAL MANNER. THE CONTRACTOR'S DISPOSAL PRACTICE OF ANY EXCESS MATERIAL SHALL COMPLY WITH ALL FEDERAL, STATE, AND MUNICIPAL WASTE MANAGEMENT LAWS AND REGULATION.
- 9. THE CONTRACTOR SHALL RELOCATE ALL ITEMS SCHEDULED TO REMAIN AWAY FROM THE CONSTRUCTION AREA, AND PROTECT AGAINST DUST AND MOISTURE AS AEEDED. FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL BE REPLACED IN KIND, AT NO COST TO THE OWNER.
- 10. LOCATIONS OF INDIVIDUAL EXISTING TREES 12" AND LARGER AND SHRUBS ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL REMOVE TREES, BUSHES, AND OTHER VEGETATION IN THE WORK AREA ONLY AS REQUIRED TO COMPLETE THE NEW WORK AND SHALL MAKE VERY EFFORT TO MINIMIZE THE AMOUNT OF VEGETATION DISTURBED. THE CONTRACTOR SHALL REFLACE ALL DAMAGED VEGETATION TO REMAIN IN KIND FOLLOWING THE COMPLETION OF THE WORK. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL TREES AND SHRUBS.
- 11. THE CONTRACTOR SHALL RESTORE ALL LANDSCAPING AND HARDSCAPING AFFECTED BY THE DEMOLITION AND CONSTRUCTION ACTIVITIES IN KIND, THE CONTRACTOR SHALL PROVIDE TREE PROTECTION AS SPECIFIED IN THE DETAILS FOR ALL TREES TO BE PRESERVED IN THE WORK AREA.
- 12. THE CONTRACTOR IS ADVISED TO DISTURB VEGETATION AND PAVEMENT AS LITTLE AS POSSIBLE.
- 13. ANY ITEM OR STRUCTURE DAMAGED BEYOND THE LIMITS OF WORK SHALL BE REPLACED IN KIND BY THE CONTRACTOR, AT HIS OWN EXPENSE.
- 14. EXISTING STRUCTURES, LANDSCAPING, AND HARDSCAPING ARE PRESENT IN AND BEYOND THE LIMITS OF WORK BUT NOT NECESSARLY SHOWN HEREON. THE CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES IN PLACE DURING THE ENTIRE DURATION OF THE PROJECT. OR IF ACCEPTABLE TO THE OWNER, HARDSCAPE ITEMS SUCH AS FENCES AND GUARDRAILS MAY BE REMOVED AND RESET, WITHOUT DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES.
- 15. CONTRACTOR TO PROTECT EXISTING SIGNS TO REMAIN, OR IF ACCEPTABLE TO THE OWNER, SIGNS MAY BE REMOVED AND RESET, WITHOUT DAMAGE, AFTER CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES. ADDITIONALLY, ALL EXISTING LIGHT POLES AND FLAG POLES SHALL BE PROTECTED DURING CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 16. ALL MATERIALS STOCKPILED DURING THE WORK SHALL BE PLACED IN A LOCATION THAT PREVENTS EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL STOCKPILE MATERIALS IN AN AREA ON-SITE.
- 17. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE TUWN OF HOLLISTON, THE COMMONWEALTH OF MASSACHUSETTS, AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 18. ALL EXISTING UTILITIES SHALL REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION AT ALL TIMES, UNLESS PRIOR APPROVAL IS GIVEN BY THE TOWN AND/OR THE OWNER. INCLUDING ALL EXISTING UTILITIES/SERVICES ASSOCIATED WITH THE EXISTING BUILDINGS, IF A UTILITY IS DAMAGED, TEMPORARY SERVICE MAY BE REQUIRED BY THE CONTRACTOR, AT HIS OWN EXPENSE.
- BE REQUIRED BY THE CONTRACTOR, AT HIS OWN EXPENSE.

 19. AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE LIMITS OF THE DEVELOPMENT AS INDICATED ON THE PLANS PRIOR TO THE COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS. CONTRACTOR SHALL INSTALL SILT SACKS ON DOWNSTREAM CATCH BASINS AS INDICATED ON THE PLANS. PRIOR TO INSTALLING SILT SACKS THE CONTRACTOR SHALL CLEAN OUT THE SUMPS OF THE CATCH BASINS. THE EROSION CONTROL AS SHOWN IS A MINIMUM REQUIREMENT, ADDITIONAL EROSION CONTROL MESSARES MAY BE REQUIREDED AS CONDITIONS WARRANT.
- 20. EROSION CONTROL MEASURES ARE TO BE INSTALLED AS NEEDED DURING CONSTRUCTION, CONTRACTOR SHALL ENSURE EROSION CONTROL IS KEPT INTACT AND REPLACED WHEN NECESSARY.
- 21. ALL ITEMS IN BOLD ON DEMOLITION PLAN TO BE REMOVED/DEMOLISHED UNLESS OTHERWISE NOTED. LOCATIONS OF ALL SAWCUT LINES ARE APPROXIMATE.
- 22. THE SITE CONTRACTOR SHALL SAW CUT AND MATCH ALL EXISTING ROAD PAVEMENT AS REQUIRED TO SET NEW CURBING, BLEND PAVEMENTS, AND CONSTRUCT NEW UTILITIES IN THE STREET.

	EXISTING		PROPOSED
	CI .	GRANITE BOUND FOUND	
	<i>ಶೆ</i>	UTILITY POLE	
	- 2907	GUY WIRE	
	-75	GUY POLE	
	তত ∸	SIGN	-v-
20014	C	POST	
BREVIATIONS	4	BOLLARD	0 \$
CONC BITUMINOUS CONCRETE IC CONCRETE	(6)	DECIDUOUS TREE	
E HIGH-DENSITY POLYETHYLENE EDGE OF PAVEMENT		CONIFEROUS TREE	
VERTICAL GRANITE CURB PRECAST CONCRETE CURB		UNDERGROUND GAS LINE	
CAPE COD BERM POLYVINYL CHLORIDE		UNDERGROUND WATER LINE	
REINFORCED CONCRETE PIPE ROOF DRAIN	100 mm = 11.0000 yy	UNDERGROUND ELECTRIC LINE	-E
TYPICAL		UNDERGROUND SEWER LINE .	s
CLEAN OUT RIM ELEVATION		UNDERGROUND DRAIN LINE .	D
INVERT ELEVATION REMOVE AND DISPOSE	69	SEWER MANHOLE (SMH)	
REMOVE AND REPLACE HANDICAP RAMP		SEWER CLEANOUT (CO)	
VERTICAL ELLIPTICAL BC TOP OF CURB/BOTTOM OF CURB	69	DRAIN MANHOLE (DMH)	0
TOP OF WALL TOP OF STAIRS	22	CATCH BASIN (CB)	(0)
BOTTOM OF STAIRS	19to (A)	GAS/WATER GATE	M M
BOTTOM OF WALL (SURFACE GRADE) BACK OF SIDEWALK	ć.	HYDRANT	100
SUB SOIL DRAIN LANDSCAPE ARCHITECT	Φ.	BUSH	340
UNDER DRAIN / SUB DRAIN UNDERGROUND INFILTRATION	*	LOCUS PROPERTY LINE (±)	
VERIFY IN FIELD ON CENTER		ADJOINERS PROPERTY LINE (±)	
	010	OVERHEAD WIRE	
		TREELINE .	~~~~
		HISTORIC UTILITY LINE (G/W/E/S/D)	
	5	MAJOR CONTOUR LINE (5/W/E/S/D)	255
		MINOR CONTOUR LINE	255
		FENCE -	X
	au a a a a a	GUARD RAIL	^
		PRECAST CONCRETE CURB	
		HANDICAP SPACE	ė.
	□ M9X	MAILBOX	•
		BORDERING VEGETATED WETLAND (E	3VW)
	△wF	WETLAND FLAG	-
		100' WETLAND BUFFER	
	144	MANHOLE	
	L <u>m.</u>	MANUALE	

_	
_	
1	
-	
_	
-	
-	
_	
_	
_	
_	
_	
-	
_	
-	
_	
=	
-	

NO DATE REVISIONS

SEAL



DATE : 08/09/2022 DRAWN : PS

ANYFENCE CO.



STREET MA

1485 WASHINGTON HOLLISTON, 01746

DEMOLITION AND EROSION CONTROL PLAN

C-1.0



EXISTING CONDITIONS/SURVEY NOTES:

- 1. EXISTING TOPOGRAPHY INFORMATION, PROPERTY LINES, UTILITY INFORMATION, EDGE OF PAVEMENT AND LOCATIONS OF STRUCTURES WERE TAKEN FROM A PLAN PROVIDED BY ALPHA SURVEY GROUP, LLC ENTITLED "EXISTING CONDITIONS AND BOUNDARY SURVEY 1485 WASHINGTON STREET HOLLISTON, MA 01746, DATED
- PROVIDED BY LAPTHA SHAPEN CHOOSE, LEC ENTITLED CAISING CONDITIONS AND BOUNDARY SHAPE SHAPE SHAPE AND BOUNDARY SHAPE SHAPE SHAPE SHAPE SHAPE SHAPE AND BOUNDARY SHAPE AND BASED ON A SKETCH WITH SWING TIES TO FIXED SITE FEATURES PRESENT IN THE TITLE 5 OFFICIAL INSPECTION FORM DATED 05/15/2019, OSTAINED FROM THE HOLLISTON BOARD OF HEALTH.

LAYOUT AND MATERIALS NOTES

- 1. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- 2. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING LOCATIONS AND DETAILS.
- 3. CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER AND THE ENGINEER FOR RESOLUTION.
- DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT. STANDARD PARKING SPACES ARE 9'x18', UNLESS
 OTHERWISE NOTED. ALL HANDICAP SPACES ARE 8'x20'.
- 5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN SITE PLAN DIMENSIONS AND BUILDING PLANS BEFORE PROCEEDING WITH ANY PORTION OF SITE WORK WHICH MAY BE AFFECTED SO THAT PROPER ADJUSTMENTS TO THE SITE LAYOUT CAN BE MADE IF NECESSARY.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND ALL DETAILS CONTIQUOUS TO THE BUILDING, LIGHTING, ENTRANCES, DOORWAY PADS, LOADING DOCK DETAILS, ETC. THE BUILDING INTERIORS SHOWN ARE FOR REFERENCE ONLY.
- 7. ACCESSIBLE RAMPS SHALL BE PER MASSACHUSETTS STATE CODE AND THE AMERICANS WITH DISABILITIES ACT (ADA) APCCESSIBILITY GUIDELINES (WHICHEVER IS MORE STRINGENT).
- 8. EACH HANDICAP PARKING SPACE SHALL BE PROVIDED WITH A SIGN SIX (6) FEET IN HEIGHT LOCATED AT THE BACK OF THE CURB. THE SIGN SHALL CONTAIN THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS DESCRIBED IN THE AMERICANS WITH DISABILITIES ACT, PUBLIC LAW 101-336, (SEE DETAILS).
- 10. ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS (DPW) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND THE TOWN OF HOLLISTON PUBLIC WORKS.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL REMOVAL AND DISPOSAL OF ALL DEBRIS FROM THE SITE AND AS MAY BE DIRECTED BY THE A/E.
- 12. ALL FENCING AND GATES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTION.
- 13. THE SITE CONTRACTOR SHALL SAW CUT AND MATCH ALL EXISTING ROAD PAVEMENT AS REQUIRED TO SET NEW CURBING, BLEND PAVEMENTS, AND CONSTRUCT NEW UTILITIES IN THE STREET.
- 14. THE USE OF FILL CONTAINING HAZARDOUS MATERIALS OR WASTE IS FORBIDDEN.
- 16. SIGNIFICANT TREES, INCLUDING THEIR BRANCHES AND THEIR ROOT SYSTEMS, SHALL BE PROTECTED WITH SHIELDS, FENCES OR BARRIERS.
- 17. THE CLEANING OF CATCH BASIN SUMPS AND STORMWATER BASINS IS REQUIRED FOLLOWING CONSTRUCTION AND ACCORDING TO ANY OPERATIONS AND MAINTENANCE PLAN THEREAFTER.

ZONING SCHEDULE ASSESSORS REFERENCE: MAP 5, BLOCK 3, LOT 59.1						
MINIMUM AREA	20.000 SF	111.344 SF	111.344 SF			
MINIMUM LOT FRONTAGE	10D FT	482.70 FT	482.70 FT			
SETBACKS FRONT YARD SIDE YARD (RIGHT) SIDE YARD (LEFT)	30 FT 20 FT 20 FT	61.4 FT 20.5 FT 80.0 FT	61.4 FT 20.5 FT 80.0 FT			
FLOOR AREA RATIO	0.50	0.09 (9,488 sq.ft.)	0.12 (12,976 sq.ft.)			
LOT COVERAGE	40.0%	8.5% (9,488 sq.ft.)	8.5% (9,488 sq.ft.)			
PARKING (INDUSTRIAL USE) 1 SPACE PER 1.3 EMPLOYEES ON LARGEST SHIFT	10 EMPLOYEES 10/1.3 = 7.7 B SPACES	UNDEFINED PARKING AREAS	23 SPACES 12+1HC (FRONT) +10 (REAR) TRUCK/EMPLOYEE			

AREA OF ADDED PAVEMENT = 1,815 SF TOTAL AREA OF DISTURBANCE = 30,492 SF

		EXISTING		LEGEND	PROPOSED
		-		GRANITE BOUND FOUND	
		r3		UTILITY POLE	
				GUY WIRE	
		1.0		GUY POLE	
		ਰਾਹ ≛		SIGN	
				POST	
BBREV	TATIONS			BOLLARD	
IT CONC ONC	BITUMINOUS CONCRETÉ CONCRETE	(5)		DECIDUOUS TREE	
DPE OP	HIGH-DENSITY POLYETHYLENE EDGE OF PAVEMENT			CONIFEROUS TREE	
'GĈ	VERTICAL GRANITE CURB			UNDERGROUND GAS LINE -	G
CCB	PRECAST CONCRETE CURB CAPE COD BERM	W		UNDERGROUND WATER LINE -	w
ROP	POLYVINYL CHLORIDE REINFORCED CONCRETE PIPE			UNDERGROUND ELECTRIC LINE -	E
RD TYP	ROOF DRAIN TYPICAL			UNDERGROUND SEWER LINE -	ş
CO RIM	CLEAN OUT RIM ELEVATION			UNDERGROUND DRAIN LINE -	D
NV R&D	INVERT ELEVATION REMOVE AND DISPOSE			SEWER MANHOLE (SMH)	
&R IC	REMOVE AND REPLACE HANDICAP RAMP			SEWER CLEANOUT (CO)	
Æ	VERTICAL ELLIPTICAL	6		DRAIN MANHOLE (DMH)	(D)
rc/BC W	TOP OF CURB/BOTTOM OF CURB TOP OF WALL	113		CATCH BASIN (CB)	A
OS BOS	TOP OF STAIRS BOTTOM OF STAIRS	40,500		GAS/WATER GATE	- X
BW BS	BOTTOM OF WALL (SURFACE GRADE) BACK OF SIDEWALK			HYDRANT	`m'
SSD .A	SUB SOIL DRAIN LANDSCAPE ARCHITECT			BUSH	200
ID IGI	UNDER DRAIN / SUB DRAIN UNDERGROUND INFILTRATION			LOCUS PROPERTY LINE (±)	
1F DC	VERIFY IN FIELD				
n.,	ON CENTER			ADJOINERS PROPERTY LINE (±)	
				OVERHEAD WIRE	2000
				TREELINE	TYYY
			HISTORIC UTILITY LINE (G/W/E/S/D)		
				MAJOR CONTOUR LINE -	255
				MINOR CONTOUR LINE -	254
				FENCE —	x
				GUARD RAIL	
				PRECAST CONCRETE CURB	Ġ.
				HANDICAP SPACE MAILBOX	O.
				BORDERING VEGETATED WETLAND (B)	nut)
		Δ1	WE		(11)
		Δ1	ML	WETLAND FLAG	
				100' WETLAND BUFFER	

MANHOLE



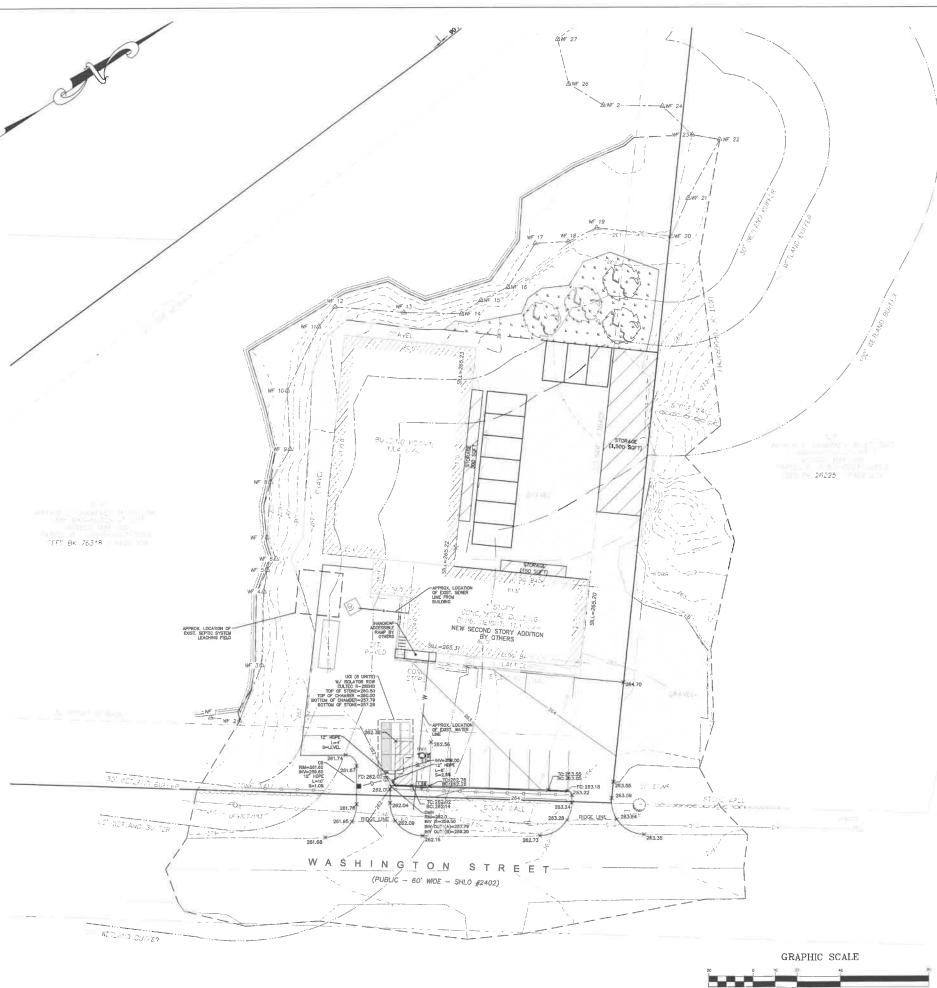


ANYFENCE



STREET MA

LAYOUT AND MATERIALS PLAN



EXISTING CONDITIONS/SURVEY NOTES:

- EXISTING TOPOGRAPHY INFORMATION, PROPERTY LINES, UTILITY INFORMATION, EDGE OF PAVEMENT AND LOCATIONS OF STRUCTURES WERE TAKEN FROM A PLAN
 PROVIDED BY ALPHA SURVEY GROUP, LLC ENTITLED "EXISTING CONDITIONS AND BOUNDARY SURVEY 1485 WASHINGTON STREET HOLLISTON, MA 01746, DATED
- OS/OT/2022.

 THE LOCATION OF THE SEPTIC SYSTEM SHOWN ON THE PLAN IS APPROXIMATE AND BASED ON A SKETCH WITH SWING TIES TO FIXED SITE FEATURES PRESENT IN THE TITLE 5 OFFICIAL INSPECTION FORM DATED OS/15/2019, OBTAINED FROM THE HOLLISTON BOARD OF HEALTH.

GRADING AND DRAINAGE NOTES

- 1. ALL SITE WORK SHALL MEET OR EXCED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFINING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, HIS CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE DESIGNED PRIOR TO ANY SITE WORK WHICH WOULD BE AFFECTED.
- 2. ALL DRAINAGE PIPES SHALL BE HOPE, EXCEPT WHERE NOTED OTHERWISE.
- 3. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 4. ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND THE TOWN OF HOLLISTON PUBLIC WORKS.
- 5. CONTRACTOR SHALL GRADE AND CONSTRUCT ALL ACCESSIBLE HANDICAP RAMPS IN ACCORDANCE WITH THE MASSACHUSETTS STATE CODE AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES (WHICHEVER IS MORE STRINGENT). SEE CONSTRUCTION DETAILS FOR SLOPE AND DIMENSIONAL REQUIREMENTS.
- 6. AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS SHOWN ON THE PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- 7. CONTRACTOR SHALL INSTALL SILT SACKS ON DOWN STREAM CATCH BASINS, PRIOR TO INSTALLING A SILT SACK THE CONTRACTOR SHALL CLEAN OUT THE SUMP OF THE CATCH BASIN.
- 8. ALL NEW CATCH BASINS TO BE PROVIDED WITH SILT SACKS FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
- 9. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE DESIGNER. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED, WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE COLATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR RESOLUTION.
- 11. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 12. ALL LITLITY COVERS, GRATES, ETC. TO REMAIN SHALL BE ADJUSTED TO BE PLUSH WITH THE FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS FOR STRUCTURES AND MANHOLES ARE APPROXIMATE.
- 13. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAYEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAYEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAYEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- 15. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.

17. THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL OF THE DESIGNER AND OWNER. SEE ADDITIONAL EROSION CONTROL NOTES ON DEMOLITION & EROSION CONTROL SHEET C-1.0 AND DETAIL SHEET C-4.0.

16. EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.

PROPOSED EXISTING GRANITE BOUND FOUND UTILITY POLE GUY WIRE GUY POLE POST ABBREVIATIONS BOLLARD BITUMINOUS CONCRETE DECIDUOUS TREE CONIFEROUS TREE UNDERGROUND GAS LINE UNDERGROUND WATER LINE

BIT CONC CONC HDPE EOP VGC CCB PVC RCP RCP RCP RD TYP CO RIM INV R&D R&R HC ONCRETE
HIGH-DENSITY POLYETHYLENE
EDGE OF PAVEMENT
VERTICAL GRANITE CURB
PRECAST CONCRETE CURB
CAPE COD BERM PAGE AND OBJECT TO THE COURT OF THE COURT OF

(IN FEET)

SEWER MANHOLE (SMH) SEWER CLEANOUT (CO) 0 DRAIN MANHOLE (DMH) GAS/WATER GATE HYDRANT ADJOINERS PROPERTY LINE (±) OVERHEAD WIRE TREELINE HISTORIC UTILITY LINE (G/W/E/S/D) MAJOR CONTOUR LINE

UNDERGROUND ELECTRIC LINE

UNDERGROUND SEWER LINE UNDERGROUND DRAIN LINE

MINOR CONTOUR LINE ---254---FENCE " GUARD RAIL PRECAST CONCRETE CURB

MAILBOX - BORDERING VEGETATED WETLAND (BVW) WETLAND FLAG _ - - - 100' WETLAND BUFFER

MANHOLE

NO DATE REVISIONS

8/30/2022 ADDED 10 REAR PARKING



ŽШ

STREET MA



GRADING AND DRAINAGE PLAN

EROSION & SEDIMENTATION CONTROL NOTES:

- THE PURPOSE OF THESE NOTES IS TO PRESENT A CONSTRUCTION SYSTEM THAT SHOULD MINIMIZE IMPACTS OF EROSION
 AND SEDMENTATION RUNOFF DUE TO CONSTRUCTION. THE INFORMATION
 CONTABLE HERBIN IS TO SUPPLEMENT THE DEVELOPER OR CONTRACTOR'S EXPERTISE AND IS NOT MEANT TO CIRCUMVENT
 LOGICAL DECISIONS REQUIRED BY A VARIETY OF FIELD CONDITIONS INCLUDING WEATHER AND THE TYPE OF EQUIPMENT
 AVAILABLE TO THE CONTRACTOR.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE BARRIERS UNIT ALL WORK IS COMPLETE AND ALL AREAS HAVE BEEN STABLIZED. THE REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE ONLY UPON THE APPROVAL OF THE DESIGNER AND
- 3. SEDIMENTATION AND EROSION CONTROL DEVICES ARE TO BE INSTALLED AS SHOWN ON THE DRAWING AND SPECIFICATIONS, OR AS REQUIRED BY VARYING FIELD CONDITIONS INCLUDING WEATHER AND SPECIFIC CONSTRUCTION REQUIREMENTS. THE EROSION CONTROL AS SHOWN IS A MINIMUM REQUIREMENT, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BASED ON A STORM WATER POLICITION PREVENTION PLAN (SWPPP) PREPARED BY THE CONTRACTOR FOR THIS PROJECT,
- 4. THE FUNCTIONING OF TEMPORARY MITIGATIVE MEASURES OR CONSTRUCTION OPERATIONS SHALL NOT CAUSE NOTICEABLE SEDMENTATION PLUMES. THE CONTRACTOR SHALL STOP WORK AND INSTALL SEDMENTATION CONTROL DEVICES IMMEDIATELY TO PREVENT FURTHER SEDMENTATION.
- 5. NO MATERIAL SUBJECT TO ÉROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF ANY WETLAND AREAS.
- ACCUMULATED SEDIMENT SHALL BE PERIODICALLY REMOVED FROM THE EROSION CONTROL DEVICES AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED OR WHEN DIRECTED BY THE DESIGNER OR OWNER.
- SOIL AND SLOPE STABILIZATION SHALL PRESUMED TO BE ATTAINED WHEN THE VEGETATION HAS ACHIEVED AT LEAST 75% GROUND COVER BY A HEALTHY STAND OF GRASS FOR THE SPECIFIED MIX OF SPECIES.
- B. THE CONTRACTOR WILL DESIGNATE A PERSON TO BE THE EROSION CONTROL OFFICER FOR THE PROJECT TO INSURE PROF. MAINTENANCE OF MITIGATING MEASURES. THE NAME OF THIS PERSON WILL BE PROVIDED TO THE DESIGNER AND OWNER.

DEMARCATION OF AREAS

- BARRIERS SHALL BE PLACED ON THE SITE TO CONTROL THE LIMITS OF DISTURBANCE. AS AN EXAMPLE, STRAW BALE BARRIERS PROVIDE DEMARCATION AND OTHER METHODS SUCH AS LOG BARRIERS, ROPE AND FLAGGING, ETC... MAY BE UTILIZED.
- 2. CARE SHOULD BE TAKEN IN THE OPERATION OF EQUIPMENT SUCH THAT ONLY THE MINIMUM AREA NEEDED TO BE ALTERED IS DISTURBED.

EROSION AND SEDIMENT CONTROL METHODS

- . EROSION CONTROL BARRIERS SUCH AS STRAW BALE, SILT FENCES AND MULCH SHALL BE BROUGHT TO THE SITE AND STCKPHILD PRIOR TO INITIATING CONSTRUCTION. A RESERVE STOCKPILE SHALL BE ON SITE AT ALL TIMES FOR USE DURING EMERGENCY STRATONS.
- THE PRIMARY EROSION CONTROL METHOD TO BE UTILIZED IS TO LIMIT THE AREA OF DISTURBANCE AND PROMPT STABILIZATION OF DISTURBED AREAS.
- EROSION AND SEDIMENT CONTROL DEVICES SUCH AS STRAW BALES, SILT FENCES, DIVERSION BERMS, ETC... SHALL BE UTILIZED FOR THE PROTECTION OF THE AREAS BEYOND THE LIMITS OF CONSTRUCTION.
- ALL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND GOOD
 CONSTRUCTION PRACTICE.
- THE CONCENTRATION OF UNCONTROLLED RUNOFF SHALL BE AVOIDED IN ORDER TO PREVENT THE TRANSPORTATION OF SEDIMENT.
- CONTRACTORS SHALL MAKE EVERY REASONABLE EFFORT TO RETAIN SEDIMENT ON SITE AND PREVENT SEDIMENT MIGRATION TO CUTSIDE THE WORK AREA.
- OFF-SITE MIGRATION OF SEDIMENT THROUGH VEHICLE TRAFFIC IN AND OUT OF SITE SHALL BE ADDRESSED WITH CONSTRUCTION SWEEPING AS DIRECTED BY THE LOCAL HIGHWAY SUPERINTENDENT, TOWN ENGINEER, OR OWNER.
- 8. SEDIMENT SHALL BE REMOVED FROM ANY SEDIMENT TRAPS OR PONDS WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SCURCE FOR STORM WATER RUNOFF.
- 10. OFF—SITE MATERIAL STORAGE AREAS, INCLUDING SOIL STOCKPILES AND BORROW PITS, USED SOLELY BY THE PERMITTI PROJECT, ARE CONSIDERED PART OF THE PROJECT UNDER THIS PERMIT AND ARE THATEFORE SUBJECT TO THE SAME RESTRICTIONS AND CONDITIONS OF A MPDICASE TO THIS PROJECT (IF ANY).
- 11. CONCRETE WASHOUT LOCATIONS SHALL BE LOCATED OUTSIDE OF RESOURCE AREAS AND THEIR ASSOCIATED BUFFER ZONE SETBACKS.
- 12. SNOW DUMPING AREAS SHALL BE LOCATED MORE THAN 100 FEET FROM WETLAND RESOURCE AREAS.

STABILIZATION PRACTICES

- ALL SOIL SLOPES OF 2:1 OR GREATER SHALL BE STABILIZED WITH CURLEY BIODEGRADEABLE ENVIRONMENTAL MATTING OR EQUAL UNLESS OTHERWISE SPECIFIED. ALL OTHER SLOPES AND STORMWATER BASINS (TEMPORARY OR PERMANENT) SHALL BE STABILIZED WITH THE APPLICATION OF ECOAEGIS SPRAY MIX OR EQUAL REMAINING AREAS SHALL BE LOAMED AND SECRED WITH THE SPECIFED SEED MIX.
- STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: ESTABLISHMENT OF TEMPORARY VEGETATION, ESTABLISHMENT OF PERMANENT VEGETATION, MULCHING, GEOTEXTILES, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES AND EXISTING VEGETATION, AND OTHER APPROPRIATE MEASURES.
- 3. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE C ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASE.
- 4. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORABLY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR PROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SCON AS PRACTICABLE, INCLUDING THE TIMELY REMOVAL OF SNOW COVER TO ALLOW STABILIZATION MEASURES TO BE PUT DIRECTLY IN CONTACT WITH THE SOIL SURFACE.
- 5. WHERE CONSTRUCTION ACTIVITY ON A SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

- STRUCTURAL PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: SILT FENDES, STRAW BALES, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, CHIECK DAMS, SUBSURFACE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY AND PERMANENT SEDIMENT BASING.
- 2. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL INSTALL EROSION CONTROL BARRIERS AS SHOWN ON PLANS IN AREAS WE'RE WORK IS PLANNED, PERMANENT STORM WATER MANAGEMENT BASING SHOWN ON PLANS MAY BE USED AS TEMPORARY SEDIMENTATION BASINS DURING CONSTRUCTION. CONTRACTOR SHALL CONSTRUCT SERVALES OR OTHER MEASURES TO DIRECT STORM WATER TO TEMPORARY BASINS DURING CONSTRUCTION. WHERE STORM WATER CANNOT BE DIRECTED TO PERMANENT BASIN AREAS, TEMPORARY BASINS SHALL BE CONSTRUCTED WITH A VOLUME OF 3,600 CUBIC FEET PER ACRE OF AREA DIRECTED TO BASIN.

GENERAL SITE MAINTENANCE

- UNDER NO CONDITIONS SHALL SOLID MATERIALS, INCLUDING BUILDING MATERIALS, BE DISCHARGED TO WATERS OF THE UNITED STATES EXCEPT AS MAY BE AUTHORIZED BY PERMIT UNDER SECTION 404 OF THE CLEAN WATERS ACT.
- STABILIZED STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO BEGINNING EARTHWORK. IF THE VOIDS IN
 THE STONE OF THE CONSTRUCTION ENTRANCE BECOME COMPLETELY FILLED WITH SEDIMENT, STONE SHALL BE REMOVED
 AND REPLACED WITH CLEAN STONE.
- 4. ALL EROSION CONTROL MEASURES AND OTHER PROTECTIVE MEASURES USED ON THE SITE MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. IF SITE INSPECTIONS IDENTIFY BMPS THAT ARE NOT FUNCTIONING, MAINTENANCE SHALL BE PERFORMED BEFORE THE NEXT ANTIONATED STORM VEVENT, OR AS NECESSARY TO MAINTAIN THE CONTRILLS EFFECTIVENESS OF STORM WATER CONTROLS. IF MAINTENANCE PRIOR TO THE NEXT ANTIONATED STORM EVENT IS IMPRACTICABLE, MAINTENANCE MUST BE SCHEDULED AND ACCOMPLEISHED AS SOON AS PRACTICABLE.

INSPECTIONS

- INSPECTIONS MUST BE CONDUCTED AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
- INSPECTIONS MAY BE REDUCED TO ONCE A MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR IF THE GROUND SURFACE IS STABILIZED BY SNOW, ICE OR FROZEN GROUND.
- INSPECTIONS MUST BE CONDUCTED BY A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICE OF EROSION AS SEDIMENT CONTROLS WHO POSSESSES THE SKILLS TO ASSESS CONDITION AT THE CONSTRUCTION SITE THAT COULD IN STORM WATER QUALITY AND TO ASSESS THE EFFECTIVENESS OF ANY SEDIMENT AND EROSION CONTROL MEASURES SELECTED TO CONTROL THE QUALITY OF STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITY.
- FOR EACH INSPECTION PERFORMED, AN INSPECTION REPORT MUST BE COMPLETED AND RETAINED AS PART OF THE SWPPF FOR AT LEAST THREE YEARS FROM THE DATE THAT PERMIT COVERAGE EXPIRES OR IS TERMINATED.

SEQUENCE OF CONSTRUCTION

- THE CONTRACTOR SHALL PERFORM MAJOR SITE CONSTRUCTION ACTIVITIES IN A MANNER WHICH WILL INSURE THE STABILIZATION OF AREAS AS SOON AS POSSIBLE AS OUTLINED BELOW.
- INSTALL EROSION CONTROL BARRIER ALONG AREAS TO BE DISTURBED

- INSTALL EROSION CONTROL BARRIER ALONG AREAS TO BE DISTU INSTALL CONSTRUCTION ENTRANCE(S) SOIL STABILIZATION CELEAR AND GRUB SITE EXCAVATE AND CONSTRUCT STORM WATER MANAGEMENT BASINS INSTALL UTILITIES EXCAVATION AND GRADING FOR BUILDING SITE INSTALL OUTLINES EXCAVATION AND GRADING FOR BUILDING SITE INSTALL OUTLINES EXCAVATION AND GRADING FOR BUILDING SITE

ACCESS

- ACCESS TO THE SITE SHALL BE MADE IN THE AREA OF A PERMANENT DRIVEWAY OR ROADWAY UNLESS DOING SO WOULD RESULT IN A TRAFFIC HAZARD.
- MUD IS NOT TRACKED ONTO THE EXISTING ROAD (SEE CONSTRUCTION ENTRANCE). IF MUD IS INADVERTENTLY TRACKED ONTO THE ROAD IT SHOULD BE REMOVED BEFORE THE END OF THE WORK DAY.
- LABORERS VEHICLES SHALL BE PARKED IN A DESIGNATED AREA AS TO MINIMIZE DISTURBED SURFACES AND TO INSURE THAT RUTS ARE NOT CREATED AND WHICH COULD CARRY WATER TO A WETLAND OR SENSITIVE AREA.
- SUITABLE MEASURES SHALL BE TAKEN TO INSURE THAT LARGE DELIVERY TRUCKS SERVICING THE SITE DO NOT DAMAGE AREAS OF EXISTING VEGETATION OR CAUSE DISTURBANCE TO STABILIZED AREAS.

CLEARING

- LAND CLEARING SHALL BE PERFORMED IN PHASES CONSISTENT WITH ACTUAL CONSTRUCTION REQUIREMENTS. FINAL LAND CLEARING SHALL BE LIMITED TO RETURN TO GRADE SLOPES.
- 3. BRUSH AND BRANCHES SHOULD BE CHIPPED AND UTILIZED FOR WOOD MULCH IF PRACTICAL

GRUBBING AND STRIPPING

- TOP SOIL SHALL BE RETAINED FOR LANDSCAPING PURPOSES.
- 2. GRUBBING AND STRIPPING OF STEEP SLOPES SHOULD NOT BE UNDERTAKEN DURING PERIODS OF INTENSE RAINFALL

- DURING PERIODS OF INTENSE RAINFALL, OR IF THE PROJECT IS TO BE LEFT FOR A PERIOD OF TIME, CONSIDERATION SHOULD BE GIVEN TO SUPPLEMENT EXISTING EROSION CONTROL DEVICES WITH CRUSHED STONE OR ARMORDE BARBERS COMSIDERATION SHOULD LASS BE GIVEN TO DIVERTIME RUINOFF INTO TEMPORARY SEDIMENTATION CONTROL AREAS.
- 5. WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.

- THE ROUGH GRADING OF THE PAVEMENT AREAS SHALL FOLLOW STANDARD FILL AND EXCAVATION SEQUENCES, RESULTING IN SLOPES BEING MAINTAINED AS MUCH AS IS PRACTICAL.
- DURING THIS PROCESS THE EROSION POTENTIAL IS HIGH AND SUFFICIENT EROSION CONTROL BARRIERS SHOULD BE KEPT ON SITE TO INSURE THAT NO SEDIMENT IS DISCHARGED FROM THE SITE.
- IN EXTENSIVE AREAS OF CUT, OR WHEN TOES OF FILL COULD DIVERT WATER, METHODS SHOULD BE TAKEN TO DIVERT WATER AWAY FROM EXCAVATED OR FILLED AREAS.
- 5. DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING OR RIP RAPPED IMMEDIATELY AFTER THE FINISHED GRADE HAS BEEN MET. IF FINAL GRADING DOES NOT OCCUP DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED BY STRAW SECURED BY WEIGHTED SNOW FENCE, CHICKEN WIRE MESH OR JUTE MATTING WITH APPROPRIATE SECURING DEVICES.
- A GROUND COVER SUFFICIENT TO RETAIN EROSION MUST BE PLANTED OR OTHERWISE PROVIDED WITHIN 30 WORKING DAYS, SEASON PERMITTING, ON ANY PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING

DRAINAGE

- DRAINAGE PIPES AND SWALES ARE TO BE CONSTRUCTED FROM THE DOWNSTREAM END UP AND CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF OUTFALL RIP RAP AND OTHER MITIGATION MEASURES SHOWN ON THE PLAN.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION STRAW BALES OR OTHER SUITABLE METHODS TO ENTRAP SEDIMENT SHALL BE PLACED DOWNSTREAM.
- 3. THE TOE OF EMBANKMENTS SHALL BE STABILIZED IMMEDIATELY, MULCHED AND TACKED DOWN BY SUITABLE MEANS.

- 1. LANDSCAPING OF AREAS SHOULD OCCUR AS SOON AS POSSIBLE.
- IF THE SEASON OR ADVERSE WEATHER CONDITIONS DO NOT PERMIT THE ESTABLISHMENT OF VEGETATION, TEMPORARY STRAW MULCH, OR OTHER MEANS OF STABLIZATION, SHALL BE PERFORMED.
- 3. THE USE OF HERBICIDES MAY BE SUBJECT TO LOCAL OR STATE REGULATIONS 4. CARE SHOULD BE TAKEN WITH FERTILIZERS SUCH THAT THEY ARE NOT CARRIED TO A WETLAND OR SENSITIVE AREA.
- 5. TRUNKS OF TREES SHOULD NOT BE COVERED WITH MORE THAN TWO (2) INCHES OF SOIL 6. STUMPS MAY BE GROUND DOWN INTO A WOOD MULCH AND UTILIZED OR REMOVED FROM THE SITE

BUILDING CONSTRUCTION

- DURING BUILDING CONSTRUCTION MATERIALS SHALL BE STOCKPILED IN A MANNER AS TO NOT DIVERT OR CONCENTRATE RUNOFF IN ORDER TO PREVENT THE TRANSPORTATION OF SEDIMENT.
- 2. THE LOT SHOULD BE KEPT LITTER FREE.
- 3. NO FUELS, SOLVENTS, PAINTS, ETC. SHALL BE STORED ON SITE. THESE PRODUCTS SHALL BE REMOVED FROM THE SITE EACH EVENING AND RETURNED THE FOLLOWING DAY.
- 4. BURIAL OF CONSTRUCTION DEBRIS AND RELATED MATERIALS IS PROHIBITED.
- PLASTERERS AND PAINTERS SHALL BE INFORMED THAT THE DISCHARGE OF LIQUIDS INTO A THE DRAINAGE SYSTEM OR WETLAND OR OTHER RESOURCE AREA IS PROHIBITED.

CREATION OF STORMWATER BASINS

- THE PRIMARY EROSION CONTROL METHOD FOR BASIN CONSTRUCTION, AS WELL AS THE STE, IS THE RAPID STABILIZATION OF ALL SURFACES. SECONDARY IN IMPORTANCE IS TO AVOID CONCENTRATION OF RUNOFF IN ORDER TO PREVENT THE TRANSPORTATION OF SEDIMENT.
- DURING CONSTRUCTION, THE FILL AND EXCAVATION SEQUENCES SHOWN ON THIS PLAN SHOULD BE UTILIZED. THESE SEQUENCES REQUIRE THAT SLOPED AREAS LEFT FOR ANY PERIOD OF TIME SHALL NOT NOT BE SLOPED TOWARDS THE WETLAND OR SENSITIVE AREA, BUT RATHER BACK INTO THE FILL MATERIAL P.
- THE BASIN BERM IS TO BE CONSTRUCTED BY EQUIPMENT WORKING ON STABLE MATERIAL ONLY. EROSION CONTROL BARRIERS SHALL BE PLACED AT THE TOE OF SLOPE UNTIL SURFACES ARE STABILIZED.
- NO EXCAVATION WITHIN THE BASIN SHALL COMMENCE UNTIL THE BERM IS IN PLACE
- 5. CARE SHOULD BE TAKEN TO INSURE THAT ORGANIC MATERIAL REMOVED FROM THE BASIN AREA IS RESERVED FOR FINISH GRADING AND THE STABILIZATION OF DISTURBED AREAS.
- IF DEWATERING IS NECESSARY, PUMPING TO A SETTLING BASIN SHALL BE PERMITTED IF THE BASIN IS CONSTRUCTED, MAINTAINED AND OPERATED EFFECTIVELY.
- B. ADDITIONAL NOTES REGARDING THE STORMWATER BASIN CONSTRUCTION ARE SHOWN ON THE BASIN CONSTRUCTION DETAILS
- DURING THE CONSTRUCTION PHASE OF THIS PROJECT, STORM WATER BASINS MAY BE USED AS A SEDIM TO ACCOMMODATE THIS DUAL USE, DURING CONSTRUCTION THE FOLLOWING MEASURES SHALL BE USED:
- DURING CONSTRUCTION THE BASIN SHALL BE EXCAVATED TO A DEPTH OF SIX-INCHES ABOVE FINAL GRADE. WHEN THE SITE IS STABILIZED, THE BASIN SHALL BE EXCAVATED TO THE FINISHED GRADES SHOWN ON THE DESIGN PLANS. THIS WILL ALLOW THE ORIGINAL SOIL TO REMAIN IN PLACE WITHOUT BEING INSTRUBBED OR CLOGGED WITH SLIT TO PROMDE FOR MAXIMUM INFILTRATION FOLLOWING THE COMPLETION OF THE BASIN CONSTRUCTION.
- A TEMPORARY SILT FENCE BAFFLE SHALL BE INSTALLED IN THE LOCATION OF THE FOREBAY CHECK DAM, OR OTHE
 APPLICABLE LOCATION, TO PROMOTE THE SEDIMENTATION OF FIRE PARTICULATE MATTER. ALTERNATIVELY A
 PERMANENT FOREBAY CHECK DAM WRAPPED IN FILTER FABRIC MAY BE USED IN LIEU OF THE SILT FENCE BAFFLE.
- UPON FINAL STABILIZATION OF AREAS DRAINING TO THE STORMWATER BASIN THE SILT FENCE BAFFLE WILL BE
 REPLACED WITH A PERMANENT FOREBAY CHECK DAM, ANY TEMPORARY FILTRE FABRIC REMOVED, AND THE BASIN
 INTERIOR AND EXTERIOR SIDE SLOPES SHALL BE RE-GRADED AS MECSSARY TO CONFORM TO THE PROPOSED
 GRADES, ALL SILT SHALL BE REMOVED, AND ALL AREAS RE-STABILIZED AS REQUIRED.

CATCH BASINS AND DRAIN INLETS

STABILIZE STOCKPILE WITH ANNUAL RYEGRASS, MULCH OR EROSION CONTROL BLANKETS.

3. WATTLES ARE TO BE INSTALLED PERPENDICULAR TO WATER FLOW.

WOOD STAKES

2 EROSION CONTROL BARRIER, STRAW WATTLES (TYP)

3-4' SPACING (TYP) CONTINUOUS ALONG WATTLE

SOIL STOCKPILE - EROSION CONTROL

1. STRAW WATTLES MUST MEET THE CRITERIA OUTLINED IN THE SPECIFICATIONS BEFORE BEING UTILIZED AND BE FREE FROM DEFECTS OR TRANSPORTATION DAMAGE.

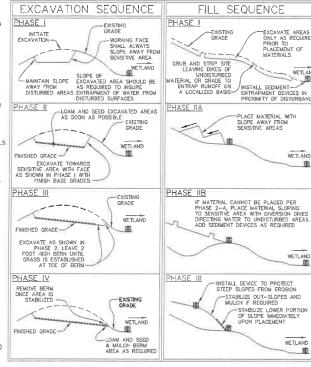
PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE WATTLES ARE IN COMPLETE CONTACT WITH UNDERLYING SOIL. SEDIMENT TUBES ARE TO BE 18"-24" IN DIAMETER AND ARE TO BE TRENCHED 3 TO 5 INCHES.

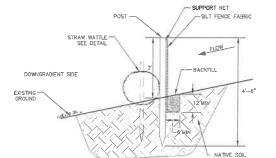
S. THE WATTLES SHALL BE STAKED DOWN WITH 1 HOPE BY 1 NOW HOPO STAKES OR 1.25.
LBS_AUMEAR FOOT STEEL POSTS EXPTY 3 TO 4 FEET ACRIC ITS LEWENT HE STAKES SHALL BE
A MINIMUM OF 2 FEET INTO THE GROUND LEARNON LESS THAN 6 INCHES OF THE STAKE ADVE THE
EXPOSED WATTLE REFER TO THE MARNIFACTURERS RECOMMENDATIONS FOR OTHER STAKING
DETAILS.

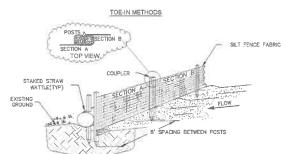
10. PRIOR TO FINAL STABILIZATION, BACKFILL ALL TRENCHES, DEPRESSIONS, AND OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE WATTLES.

SLOPE ON SLOPE SPACING (FT) MIN DIAMETER (INCH)

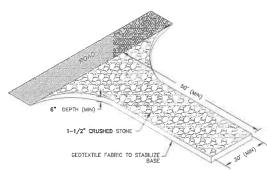
- ALL CATCH BASINS AND DRAINAGE INLETS SHALL BE PROTECTED BY STRAWBALE SILT DAMS UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED IN ALL AREAS TRIBUTARY TO THE STRUCTURE.
- SILT SACKS SHALL BE INSTALLED IN ALL CATCH BASINS AND MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED IN ALL AREAS TRIBUTARY TO THE STRUCTURE.
- SEDIMENT SHALL BE ALLOWED TO ACCUMULATE IN THE SUMPS OF CATCH BASINS TO A DEPTH NO GREATER THAN SIX (6) INCHES.







3 EROSION CONTROL BARRIER - STRAWBALE/SILTFENCE



4 CONSTRUCTION ENTRANCE / EXIT PAD

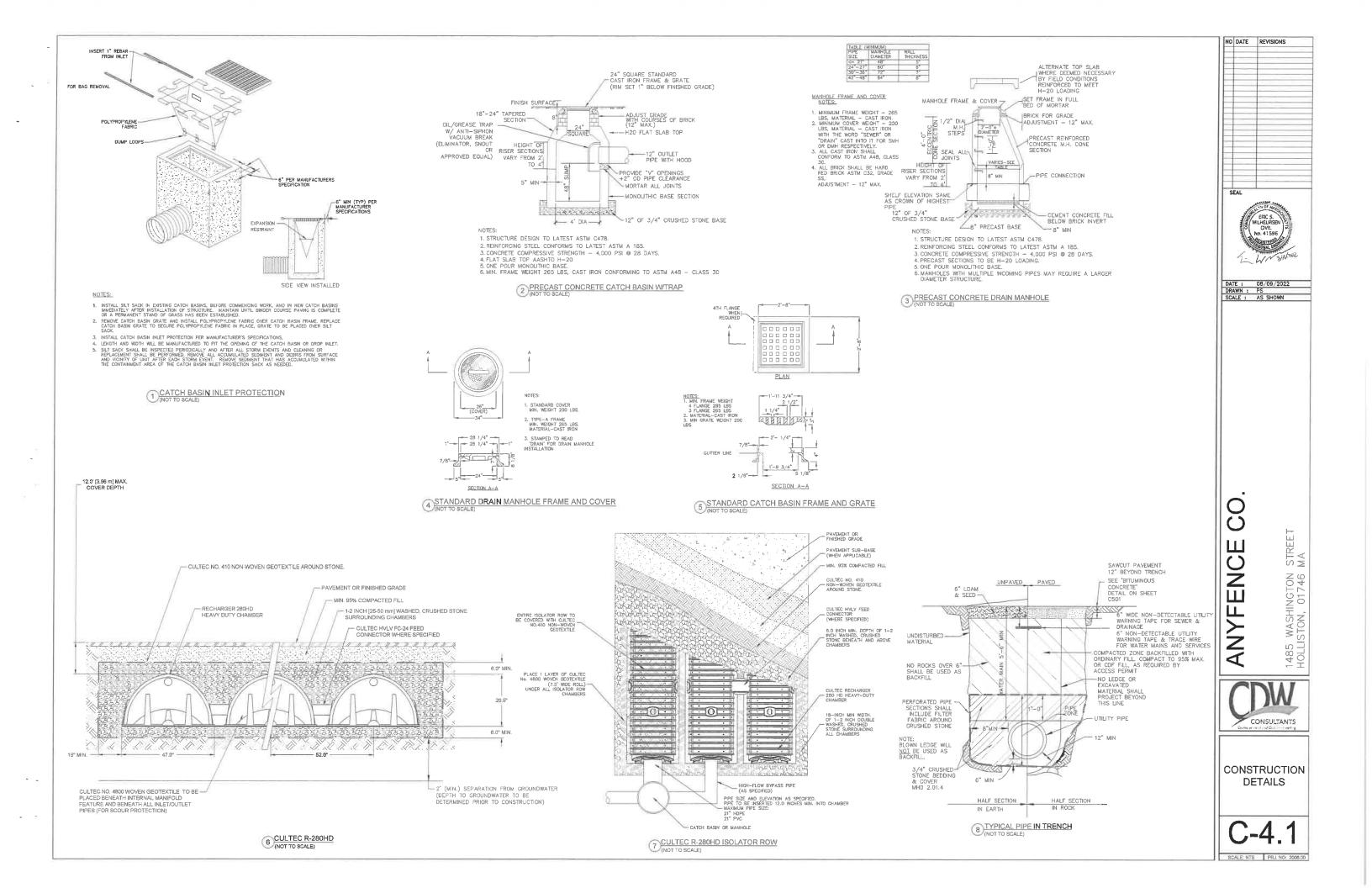
STREET MA ENC MASHINGTON ISTON, 01746 I Ш

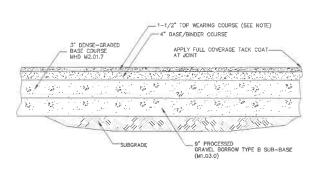
CONSULTANTS

CONSTRUCTION

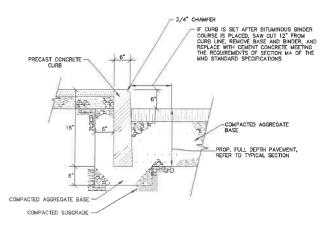
DETAILS

NO DATE REVISIONS

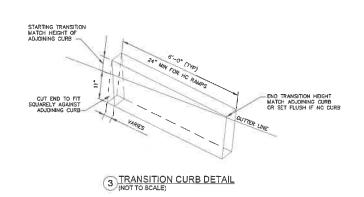


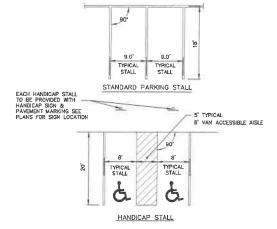


1 BITUMINOUS CONCRETE PAVEMENT (NOT TO SCALE)

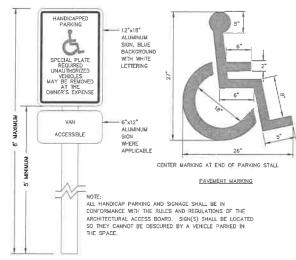


2 PRECAST CONCRETE CURB (NOT TO SCALE)

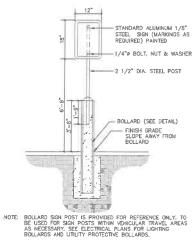




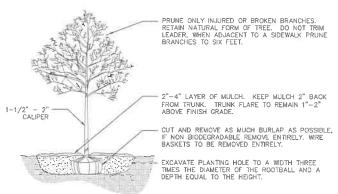
4 PARALLEL PARKING STALL LAYOUT (NOT TO SCALE)



5 HANDICAP SIGNAGE (NOT TO SCALE)



6 TYPICAL BOLLARD SIGN POST (NOT TO SCALE)



NOTES:

BACKFILL PLANTING HOLE WITH EXISTING SOIL AMENDED AS NECESSARY.

BACKFILL HALF THE SOIL AND WATER TO SETTLE OUT AIR POCKETS, COMPLETE BACKFILLING AND REPEAT WATERING.

IF ROOTS ARE CIRCLING THE ROOTBALL EXTERIOR, CUT ROOTS VERTICALLY IN SEVERAL PLACES PRIOR TO PLANTING.

ONLY STAKE TREES SITUATED ON WINDY SITES OR EXPOSED TO SUBSTANTIAL PEDESTRIAN TRAFFIC.

7 TYPICAL TREE PLANTING (NOT TO SCALE)



NO DATE REVISIONS

DATE : 08/09/2022 DRAWN : PS SCALE : AS SHOWN

1485 WASHINGTON HOLLISTON, 01746 CONSULTANTS

STREET MA

CONSTRUCTION **DETAILS**

SCALE: NTS PRJ. NO: 2008,00