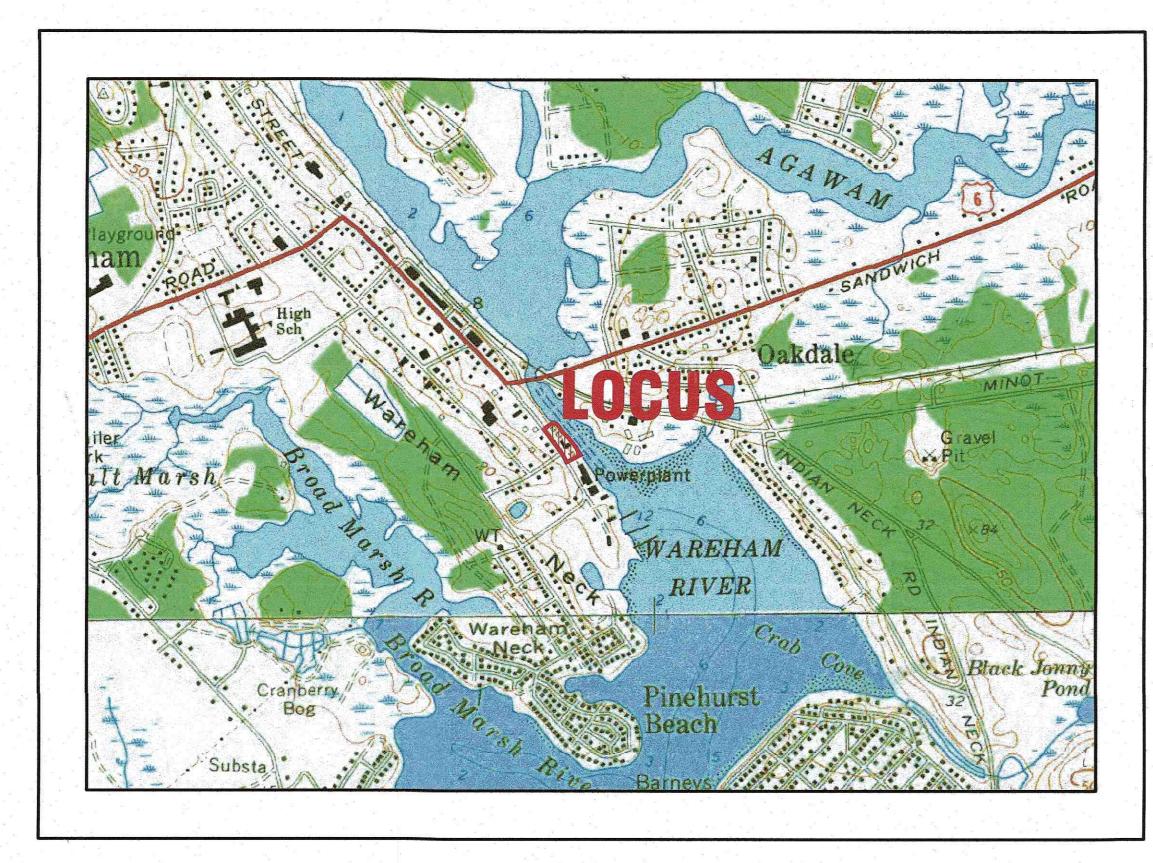
SITE DEVELOPMENT PLAN 59 MAIN STREET WAREHAM, MASSACHUSETTS

OWNER: WARREN QOZB, LLC

P.O. BOX 1206 CARVER, MA 02330



- U.S.G.S. LOCUS PLAN -

SCALE: 1"=1000'

G.A.F. ENGINEERING, INC. PROFESSIONAL ENGINEERS & LAND SURVEYORS 266 MAIN STREET, WAREHAM, MA 02571

TEL: (508) 295-6600 FAX: (508) 295-6634

E-MAIL: info@gafenginc.com

NOVEMBER 22, 2021

ZONE: WAREHAM VILLAGE 1 (WV1)

ZONING DATA:

MINIMUM LOT AREA: 5,000 S.F. MINIMUM FRONTAGE: 75' MINIMUM FRONT SETBACK: MINIMUM SIDE SETBACK: 10' MINIMUM REAR SETBACK: 10' MAXIMUM BUILDING HEIGHT: 40' MAXIMUM BUILDING COVERAGE: 30% MAXIMUM IMPERVIOUS SURFACE: 70% LANDSCAPE BUFFER: AS SHOWN ON PLANS

*THE FRONT SETBACKS IN VILLAGE DISTRICTS SHALL BE THE AVERAGE SETBACKS OF FIVE (5) RESIDENTIAL STRUCTURES ON EITHER SIDE OF THE SUBJECT PROPERTY. **ZONING DATA TABLE:**

ZONING TABLE	ALLOWED	PROVIDED
LOT AREA:	5,000 S.F.	61,187± S.F.
*FRONT SETBACK: * SIDE SETBACK:	*	53.5'
	10'	19.5'
REAR SETBACK:	10'	15'±
BUILDING COVERAGE:	30%	18.2%±
IMPERVIOUS SURFACE:	70%	61.6%±

PARKING DATA:

(BUSINESS, RETAIL >1000 S.F.): 1 SPACE PER 300 S.F. G.F.A. 1200 S.F./300 S.F.=4 SPACES

MARINA: 0.5 SPACE PER SLIP 24 SLIPSx0.5 SPACE=12 SPACES

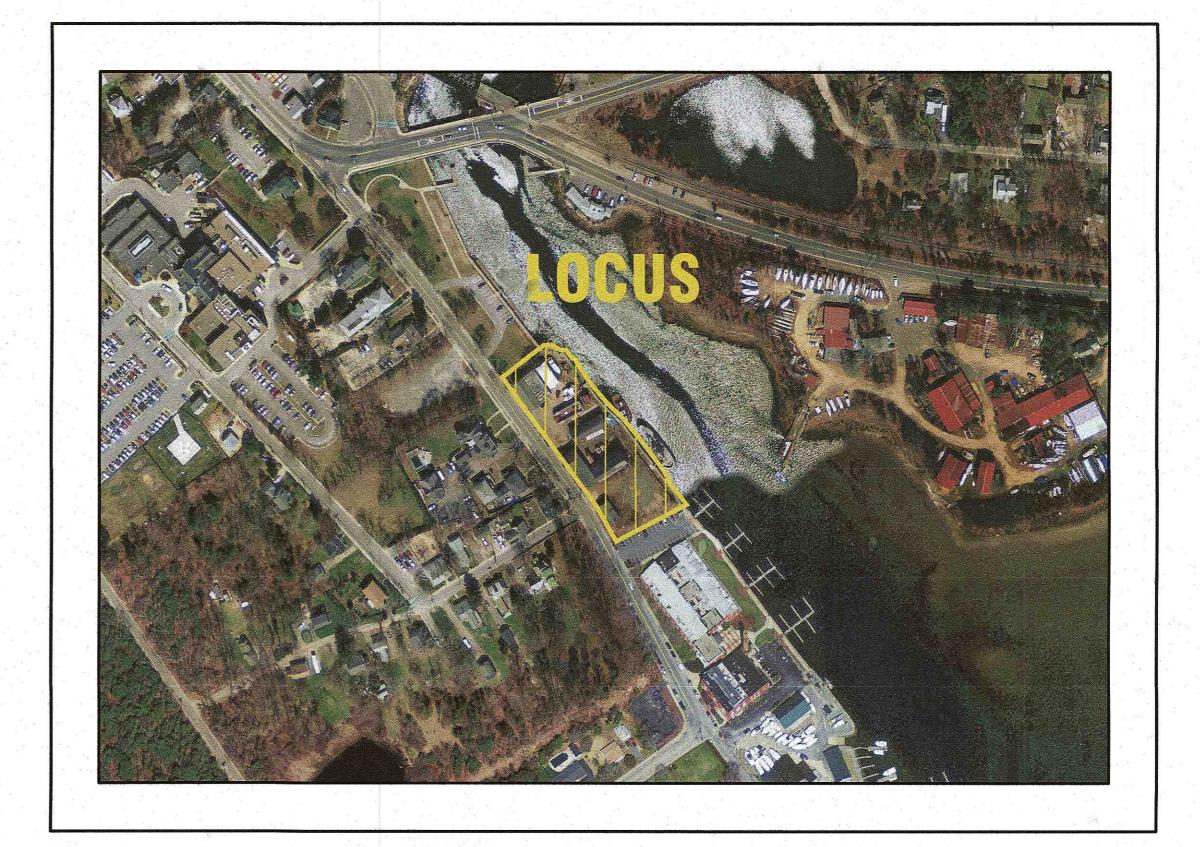
RESTURANT: 1 SPACE PER 5 SEATS 150 SEATS/ 1 PER 5 SEATS=30 SPACES

TOTAL NUMBER OF PARKING SPACES REQUIRED: 46

TOTAL PROVIDED: 46 SPACES

APPLICANT: WARREN QOZB, LLC

P.O. BOX 1206 CARVER, MA 02330



- AERIAL OVERVIEW -

SCALE: 1"=200'

PLAN INDEX: SHEET NO .:

COVER SHEET GENERAL NOTES & LEGEND EX. CONDITIONS & DEMOLITION LAYOUT PLAN UTILITIES PLAN GRADING & DRAINAGE PLAN LANDSCAPING PLAN **EROSION CONTROL PLAN** DETAIL SHEET 1 DETAIL SHEET 2 DETAIL SHEET 3

DESCRIPTION:

FLOOD ZONE DATA:

THE PROJECT IS LOCATED IN FLOOD ZONE AE-16 AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP NUMBER 25023C0489L, DATED JULY 6, 2021. THE PROJECT IS ALSO WITHIN THE LIMIT OF MODERATE WAVE ACTION (LIMWA) AREA.

PERMIT SET (NOT FOR CONSTRUCTION)

DEVELOPMENT COVER SHEET

JOB NO.: 20-9438 DWG.

GENERAL NOTES:

- 1. ALL UNDERGROUND UTILITIES SHOWN OR NOT SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS AND IN PART FROM FIELD SURVEY AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION. OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE MGL CHAPTER 370, ACTS OF 1963. CONTRACTORS MUST CALL DIG-SAFE AT (1-888-DIG-SAFE OR 811) G.A.F. ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- 2. EXISTING CONDITIONS INFORMATION IS BASED ON ACTUAL FIELD SURVEY, PRIVATE UTILITY PLANS, AND OTHER AVAILABLE SOURCES. FIELD SURVEY WAS PERFORMED BY G.A.F. ENGINEERING, INC., ON VARIOUS DATES AND MOST RECENTLY IN SEPTEMBER OF 2019.
- 3. THE CONTRACTOR SHALL COORDINATE AND OBTAIN ALL REQUIRED PERMITS, GIVE ALL NOTICES, COMPLY WITH ALL LAWS AND REGULATIONS, AND PAY ALL FEES ASSOCIATED WITH THE INSTALLATION OF THIS WORK.
- 4. THE CONTRACTOR SHALL FIELD VERIFY, PRIOR TO CONSTRUCTION ALL EXISTING UNDERGROUND UTILITY LOCATIONS AND POINTS OF INTERCONNECTION.
- 5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, SUPERVISION, TOOLS, EQUIPMENT, FUEL, POWER, SANITARY FACILITIES AND INCIDENTALS NECESSARY FOR THE FURNISHING, PERFORMANCE, TESTING, START-UP AND COMPLETION OF THIS WORK.
- 6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER OF ANY CONFLICTS DISCOVERED IN THE FIELD.
- 7. ANY CHANGES TO THESE SITE PLANS THAT ARE MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS AND REPORTED TO THE OWNER AND ENGINEER.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN EXCAVATION AND TRENCH PERMIT PURSUANT TO 520 CMR 14.00 AS APPLICABLE PRIOR TO THE START OF CONSTRUCTION

CONSTRUCTION NOTES:

- I. IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING. CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.
- 2. THE LOCATION OF UTILITIES WERE OBTAINED FROM VARIOUS SOURCES OF INFORMATION. THE EXACT LOCATION AND COMPLETENESS IS NOT GUARANTEED. THE CONTRACTOR MUST NOTIFY DIG SAFE PRIOR TO THE START OF CONSTRUCTION (1-888-DIG-SAFE OR 811). G.A.F. ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- 3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF PERSONNEL AND PROTECTION OF PROPERTY AT THE SITE OR ADJACENT THERETO INCLUDING TREES, SHRUBS, LAWNS, PAVEMENTS, ROADWAYS, STRUCTURES AND UNDERGROUND UTILITIES NOT DESIGNED FOR REMOVAL, RELOCATION, OR REPLACEMENT.
- 4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS. TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION REQUIRED FOR THE INSTALLATION OF THIS WORK.
- ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS AND OF GOOD QUALITY.
- 6. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THIS WORK.
- 7. ALL PAVEMENT MARKINGS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS PART OF THIS WORK.
- 8. THE CONTRACTOR SHALL INSTITUTE ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC SAFETY. THIS SHALL INCLUDE, BUT NOT LIMITED TO, BARRICADES, SIGNS, LIGHTING, FENCES, POLICE DETAILS, AND ANY OTHER MEANS AS DIRECTED. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.
- 9. ELEVATIONS ARE IN FEET AND TENTHS AND ARE BASED ON THE DATUM OF NAVD-88.
- 10. SIDE SLOPE GRADING SHALL BE AS NOTED ON THE SITE PLANS.
- 11. ALL SIDE SLOPES SHALL BE DRESSED WITH 4 INCHES OF TOPSOIL. WHERE SIDE SLOPES EXCEED 3:1. PROVIDE AN EROSION CONTROL BLANKET OVER THE PLANTED SEED BED. SEE PLAN FOR LOCATIONS.
- 12. PERMANENT SEEDING (BEFORE SEPTEMBER 15) LIME TO PH OF 6.5 ACCORDING TO SOIL TEST OR APPLY AT THE RATE OF 100 TO 150 LBS. PER 1,000 SQUARE FEET. APPLY 10-20-20 FERTILIZER AT 1,000 LBS. PER ACRE. INCORPORATE LIME AND FERTILIZER IN TOP 4 INCHES OF SOIL. SEED 100 LBS. PER ACRE OF THE FOLLOWING SEED MIX.

<u>PURE PERCENT</u> CREEPING RED FESCUE 30-35% 30 - 35%PERENNIAL RYEGRASS 20-25% KENTUCKY BLUEGRASS ANNUAL RYEGRASS 10-15%

HYDRO SEEDING IS AN ALTERNATIVE FOR THIS APPLICATION. A MIXTURE OF SEED WATER AND MULCH IS SPRAYED ON THE SEED BED COMBINING THREE (3) SEPARATE ACTIONS INTO ONE (1) OPERATION

- 13. ALL SEWER AND PLUMBING WORK SHALL CONFORM WITH 248 CMR 10.00 UNIFORM STATE PLUMBING CODE AND THE TOWN OF WAREHAM SEWER DEPARTMENTS SPECIFICATIONS.
- 14. ALL METHODS AND MATERIALS SHALL CONFORM WITH MassDOT STANDARDS AND SPECIFICATIONS, AND THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT.
- 15. ALL UTILITY INSTALLATIONS SHALL BE IN CONFORMANCE WITH ALL APPLICABLE TOWN. STATE AND FEDERAL REQUIREMENTS & REGULATIONS.
- 16. DEWATERING IF REQUIRED SHALL BE DIRECTED TO A 10' MIN. SQUARE OF HAYBALES OR A DIRTBAG. CONTRACTOR SHALL SIZE. PROVIDE AND MAINTAIN DEWATERING EQUIPMENT FOR THE CONTROL, COLLECTION AND DISPOSAL OF GROUND AND SURFACE WATER WHERE NECESSARY TO COMPLETE THE WORK.

EROSION CONTROL NOTES:

- THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS. ADDITIONAL PROTECTION: ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES. AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.
- CONTRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF THIRTY DAYS OR MORE.
- IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF WORK.
- 10. SPRINKLE OR APPLY DUST SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- 11. THE CONTRACTOR WILL ALSO NEED TO COMPLY TO ANY ORDER OF CONDITIONS THAT MAY BE ISSUED BY THE TOWN OF WAREHAM CONSERVATION COMMISSION.

DRAINAGE OPERATION AND MAINTENANCE SCHEDULE:

THE OPERATION AND MAINTENANCE (O&M) SCHEDULE DURING THE CONSTRUCTION PERIOD IS THE RESPONSIBILITY OF THE CONTRACTOR. THE OUTLINE BELOW SHALL BE FOLLOWED TO ENSURE THE PROPER CONSTRUCTION AND FUNCTION OF THE DRAINAGE FACILITIES.

- IN CONJUNCTION WITH THE SITE CONSTRUCTION, ALL DRAINAGE STRUCTURES SHALL BE INSTALLED AND THE AFFECTED AREAS STABILIZED (LOAM AND SEED, HYDROSEED, PLANTED, RIP-RAP, ETC.). PERMANENT STABILIZATION OF THESE AREAS SHALL BE STARTED AS SOON AS POSSIBLE.
- EROSION CONTROL SHALL BE PLACED ALONG THE LIMITS OF WORK WHERE SHOWN ON THE PLAN.
- 3. ALL EXISTING CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK INSTALLED IN THEM PRIOR TO CONSTRUCTION. ALL PROPOSED CATCH BASINS AND WATER QUALITY CATCH BASINS SHALL HAVE TEMPORARY SILT SACK INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET, CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM AT THE COMPLETION OF CONSTRUCTION. ALL EXISTINTS AND PROPOSED CATCH BASINS AND WATER QUAILTY CATCH BASINS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION. IF THERE IS ANY SEDIMENT BUILDUP. THE AFFECTED STRUCTURES SHALL BE CLEANED IMMEDIATELY, AND ALL MATERIAL REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- PEA STONE FILLED TRENCHES SHALL BE COVERED WITH AN ADDITIONAL TEMPORARY LAYER OF FILTER FABRIC UNTIL THE ABOVE GRADIENT SLOPE IS STABILIZED. IF THERE IS ANY EVIDENCE OF SEDIMENT ENTERING THE TRENCHES, THE AFFECTED AREA OF THE TRENCH SHALL BE FULLY RECONSTRUCTED INCLUDING THE FILTER
- THE LEACHING CHAMBERS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION. IF THERE IS ANY SEDIMENT BUILDUP, THE AFFECTED STRUCTURES SHALL BE CLEANED IMMEDIATELY, AND ALL MATERIAL REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- ALL AREAS SHALL BE INSPECTED WEEKLY, AND AFTER LARGE STORMS. IF THERE IS EVIDENCE OF EROSION, THE ERODED AREA SHALL BE RE-STABILIZED, AND MEASURES SHALL BE TAKEN TO PREVENT REOCCURRENCE. THIS SCHEDULE MUST BE ADHERED TO BY THE CONTRACTOR UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

POST-CONSTRUCTION OPERATION AND MAINTENANCE PLAN:

UPON THE COMPLETION OF CONSTRUCTION, MAINTENANCE SHALL BE CONDUCTED BY THE OWNER OR OWNER'S AGENT ON THE SITE. THE FOLLOWING SHALL BE CARRIED OUT BY THE RESPONSIBLE PARTY AND SHALL BE ADHERED TO ENSURE THE PROPER OPERATION OF THE DRAINAGE FACILITIES.

PARKING LOT SWEEPING IS AN EFFECTIVE NONSTRUCTURAL SOURCE CONTROL THAT WILL REMOVE SEDIMENT FROM PAVED SURFACES. PARKING LOT SWEEPING SHOULD BE DONE BY THE USE OF A HIGH EFFICIENCY VACUUM SWEEPER OR REGENERATIVE AIR SWEEPER. PARKING LOT SWEEPING SHALL BE DONE TWICE PER YEAR. ONCE REMOVED FROM PAVED SURFACES, THE SWEEPINGS MUST BE HANDLED AND DISPOSED OF PROPERLY IN ONE OF THE WAYS APPROVED BY MASSDEP (SEE POLICY # BAW-18-001: REUSE & DISPOSAL OF STREET SWEEPINGS).

- PEA STONE FILLED TRENCHES SHALL BE INSPECTED DURING AND 24 HOURS AFTER ALL MAJOR STORM EVENTS TO LOOK FOR PONDED WATER. IF THERE IS EVIDENCE OF PONDED WATER AT THE SURFACE OF THE TRENCH, I IS LIKELY THAT THE TRENCH IS CLOGGED. REMOVE AND REPLACE THE FIRST LAYER OF STONE AGGREGATE AND FILTER FABRIC. IF WATER IS PONDED INSIDE THE TRENCH THEN THE TRENCH HAS FAILED. IN THIS CASE REMOVE ALL ACCUMULATED SEDIMENT, STONE AND FILTER FABRIC, THE BOTTOM OF THE TRENCH MUST BE SCARIFIED AND TILLED TO INDUCE INFILTRATION AND REPLACE WITH NEW STONE AND FILTER FABRIC. INSPECT STONE TRENCHES EVERY 6 MONTHS AND ROUTINELY REMOVE DEBRIS, TRASH, LEAVES, AND ANY SEDIMENT FROM THE SURFACE OF THE TRENCH, ADD STONE IF NECESSARY.
- LEACHING CHAMBERS SHALL BE INSPECTED AFTER EVERY MAJOR STORM EVENT IN THE FIRST FEW MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND FUNCTION. THEREAFTER, THE LEACHING CHAMBERS SHALL BE INSPECTED AT LEAST ONCE PER YEAR. WATER DEPTH IN THE LEACHING CHAMBERS SHOULD BE OBSERVED AND MEASURED AT 0. 24 AND 48-HOUR INTERVAL'S AFTER A MAJOR STORM EVENT AT LEAST ONCE PER YEAR. EXFILTRATION RATES ARE CALCULATED BY DIVIDING THE DROP IN THE WATER LEVEL (INCHES) BY THE ELAPSED TIME (HOUR). A COMPARISON OF EXFILTRATION RATE MEASUREMENTS TAKEN OVER THE YEARS PROVIDE A USEFUL TOOL TRACKING ANY CLOGGING PROBLEMS WITH THE UNDERGROUND INFILTRATION SYSTEM.

DRAINAGE INSTALLATION NOTES:

- 1. ALL DRAINAGE PIPES, UNLESS OTHERWISE NOTED, ARE TO BE ADS N-12 PIPE WITH SOIL TIGHT JOINTS AND FITTINGS. REFER TO PLAN FOR LOCATION, SIZES AND SLOPES.
- ALL ROOF DRAIN PIPES, UNLESS OTHERWISE NOTED, ARE TO BE 4" ADS N-12 PIPE WITH SOIL TIGHT JOINTS AND FITTINGS. MINIMUM SLOPE TO BE 1.00%. REFER TO PLAN FOR LOCATION
- MINIMUM COVER ON PIPES SHALL NOT BE LESS THAN 1.5 FEET, UNLESS OTHERWISE NOTED ON THE PLAN.
- WHERE REQUIRED ALL PIPE PERFORATIONS SHALL BE AASHTO CLASS II
- ALL WORK AND MATERIAL SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT
- WHERE REQUIRED CONTRACTOR TO REMOVE ALL UNSUITABLE SOILS AND REPLACE WITH CLEAN SAND AND GRAVEL APPROVED BY DESIGN ENGINEER.

WATER INSTALLATION NOTES:

- ALL WATER MAINS, SERVICES, GATE VALVES/GATE BOX, CURB STOPS, HYDRANTS, FITTINGS, ETC. & METHOD OF INSTALLATION SHALL CONFORM TO THE TOWN OF WAREHAM FIRE DISTRICT RULES &
- WATER MAIN SHALL BE FLUSHED. TESTED & DISINFECTED IN ACCORDANCE WITH THE TOWN OF WAREHAM FIRE DISTRICT REQUIREMENTS.
- CONTRACTOR TO COORDINATE WITH THE TOWN OF WAREHAM FIRE DISTRICT FOR THE INSPECTIONS OF THE WATER MAIN INSTALLATION.
- 4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE INSTALLATION OF THE WATER SERVICE.
- THE CONTRACTOR SHALL OBTAIN A COPY OF THE REGULATIONS FROM THE TOWN OF WAREHAM FIRE DISTRICT BEFORE PROCEEDING WITH THE INSTALLATION OF THE WATER SERVICE.
- 6. WATER MAIN/SERVICE SHALL BE INSTALLED A MINIMUM OF 1' BELOW ALL PROPOSED DRAINAGE LINES.

DEMOLITION NOTES:

WATER ENC. @ 60"

WATER ENC. @ 108"

- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIS HER OWN DETERMINATION OF SUBSURFACE CONDITIONS, INCLUDING THE LOCATION OF ROCK AND THE ACTUAL LOCATION OF UTILITIES OR OTHER FEATURES WHICH MAY AFFECT HIS/HER WORK. ANY UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION WILL BE REPORTED TO THE ENGINEER OF RECORD FOR RESOLUTION AND CONSTRUCTION METHOD.
- 2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND APPARATUS NECESSARY AND SHALL DO ALL WORK REQUIRED TO COMPLETE THE DEMOLITION, REMOVAL, AND ALTERATIONS OF EXISTING FACILITIES, INCLUDING PIPING SYSTEMS AND APPURTENANCES, DRAINAGE, PAVEMENT, LANDSCAPE AND SITE FEATURES ENCOUNTERED DURING THE INSTALLATION AS INDICATED ON THE DRAWINGS, AS HEREIN SPECIFIED, AND/OR AS DIRECTED BY THE DESIGN ENGINEER.
- ALL EQUIPMENT, PIPING, AND OTHER MATERIALS THAT ARE NOT TO BE RELOCATED OR TO BE RETURNED TO THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM, AWAY FROM THE SITE OF THE WORK AND AT HIS OWN EXPENSE.
- ALL DEMOLITION OR REMOVAL OF EXISTING STRUCTURES, PAVEMENT, UTILITIES, EQUIPMENT, AND APPURTENANCES, LANDSCAPE AND SITE FEATURES SHALL BE ACCOMPLISHED WITHOUT DAMAGING THE INTEGRITY OF EXISTING STRUCTURES, EQUIPMENT, PAVEMENT, APPURTENANCES, AND TREES TO REMAIN.
- 5. SUCH ITEMS THAT ARE DAMAGED SHALL BE EITHER REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF HIS WORK TO THE SATISFACTION OF THE DESIGN ENGINEER AND/OR THE OWNER.
- ENSURE THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES AND PERSONS.
- THE CONTRACTOR SHALL PROMPTLY REPAIR DAMAGES CAUSED BY DEMOLITION OPERATIONS TO ADJACENT FACILITIES AT NO COST TO THE OWNER.

AC	ASBESTIC CONCRETE							
ADS	ADVANCED DRAINAGE SYSTEM		a ta					
APPROX.	APPROXIMATE							<
BC	BOTTOM OF CURB							DATA
	BITUMINOUS CONCRETE							Ω
BLDRS	BOULDERS							\vdash
BW	BOTTOM OF WALL	*	1					ᇤ
BVW	BORDERING VEGETATED WETLANDS	in the			1: 1		11,00	ST
CB	CATCH BASIN							S
	CONCRETE BOUND/DRILL HOLE							Щ
CB/DH CCB	CAPE COD BERM							\Box
CEM.	CEMENT			1.7				8
C.I.	CAST IRON							ADDED
CONC.	CONCRETE		1		1			
C.O.	CLEANOUT							.
C.L.D.I.	CEMENT LINED DUCTILE IRON							
	CORRUGATED METAL PIPE				11 7			
CMP								
CPP	CORRUGATED PLASTIC PIPE							
C.T.B.	CONCRETE THRUST BLOCK	age of gr						_
DIA	DIAMETER							WFM
DMH	DRAIN MANHOLE			ŀ				≥
D.I.	DUCTILE IRON			 				
DCS	DRAINAGE CONTROL STRUCTURE							_
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ELEV.,EL.	ELEVATION			ļ	1 15 15			
	EDGE OF PAVEMENT							
EX.	EXISTING							Š
F.D.C.	FIRE DEPARTMENT CONNECTION							/2
F.D.C. F.E.S. F.F.E.	FLARED END SECTION				1			1/4
FFF	FINISHED FLOOR ELEVATION							-
FND.	FOUND							
FP .	FIRE PROTECTION				·			
Ġ	GAS							
CCCV	GAS GATE, GAS VALVE							
GG,GV H.C.	HANDICAP PARKING							
н.с. H.D.P.E.	HIGH DENSITY POLYETHYLENE		Ι.	_			77.5	
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MAX	MAXIMUM			22,			20-	2
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N.T.S.	NOT TO SCALE			ž	DRAWN BY	CHECKED	~;'	
N/F	NOW OR FORMERLY				Z.	ጟ	Z	ய்
OHW	OVERHEAD WIRE			DA IE:	7	Ы	JOB NO	SCALE
PCC	PRECAST CONCRETE CURBING			⋖∷	<u>K</u>	天	୍ର ପ୍ର	ű
PVC	POLYVINYL CHLORIDE PIPE				ابا			0,
PROP.	PROPOSED					i seri		
RAP	RECYCLED ASPHALT PRODUCT							<u></u>
RCP	REINFORCED CONCRETE PIPING		ΒΥ:					
R	RADIUS		1 to 1	(, . i.		114		
R&D	REMOVE AND DISPOSE	y y	侣				1.10	
R&S	REMOVE AND STOCK		\geq					
SB/DH	STONE BOUND/DRILL HOLE		\mathbb{Z}		- 1 - 3 - 4		Territoria.	
S	CEWED	4 4 4 4 4						
SGC	SEWER		0			100		
SMH	SLOPED GRANITE CURBING		APPROVED					
	SLOPED GRANITE CURBING SEWER MANHOLE		APP					
STA	SLOPED GRANITE CURBING SEWER MANHOLE STATION		APP					
TC	SLOPED GRANITE CURBING SEWER MANHOLE STATION TOP OF CURB		APP					
TC TW	SLOPED GRANITE CURBING SEWER MANHOLE STATION TOP OF CURB TOP OF WALL			<u> </u>				
TC	SLOPED GRANITE CURBING SEWER MANHOLE STATION TOP OF CURB			2°				

ABBREVIATIONS

T/0/F

UE

VGC

WG, WV

ACDECTIO COMODET

TOP OF FOUNDATION

UNDERGROUND ELECTIC

VERTICAL GRANITE CURB

WATER GATE, WATER VALVE WATER QUALITY STRUCTURE

UTILITY POLE

FENCE

BOUND

TEST PIT/PERC TEST

GUARD RAIL

STONE WALL

FLARED END SECTION

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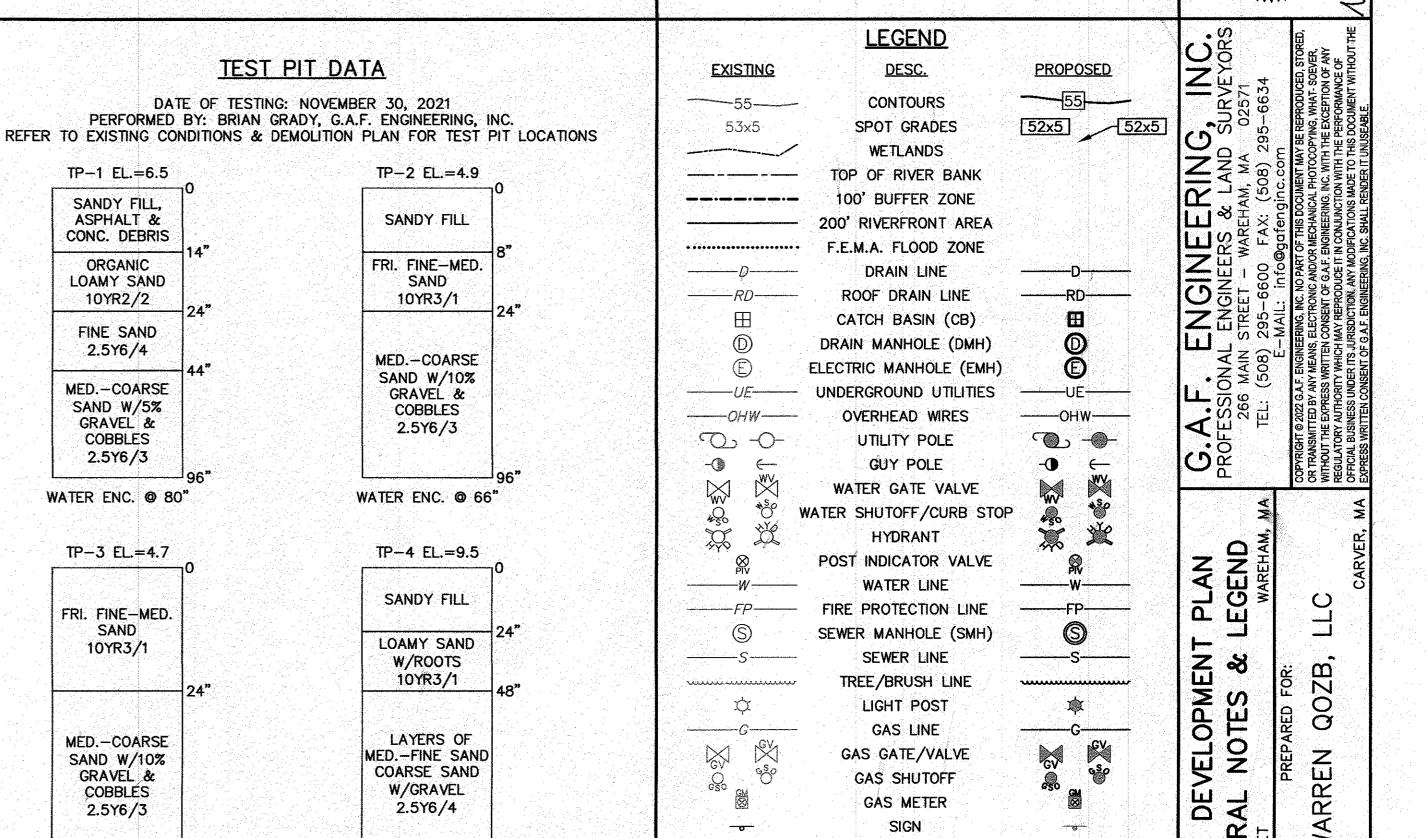
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JOB NO.: 20-9438

DWG.



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#### NOTES: CONTRACTOR SHALL PROVIDE AND MAINTAIN DOUBLE STAKED HAY BALES WITH SILT FENCE EROSION CONTROL BARRIER AS SHOWN ON THE PLANS. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL VEGETATION IS ESTABLISHED. EXISTING ABANDONED WATER METER PIT AND ANY ASSOCIATED PIPING SHALL BE REMOVED AND DISPOSED OF OFF SITE. CONTRACTOR SHALL COORDINATE WITH LOCAL WATER DEPARTMENT PRIOR TO CONSTRUCTION. EXISTING CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED WITHIN PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL CONFIRM THE LOCATIONS OF ALL EXISTING ABOVE OR UNDERGROUND UTILITIES, INCLUDING WATER, SEWER, GAS AND ELECTRIC. ALL EXISTING UTILITIES SHALL BE DISCONNECTED AND REMOVED FROM THE SITE. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO CONSTRUCTION. 5. ALL DEBRIS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND NOT STOCKPILED. 6. ANY EXCAVATION/REMOVAL OF EXISTING FEATURES BELOW ADJACENT GRADE SHALL BE REFILLED WITH STRUCTURAL FILL AND COMPACTED. WAREHAM BENCHMARK: D.H. IN SIDEWALK EL.=5.27 (NAVD-88) PILE (TYP.) PROTECT\_EX. SIDEWALK DURING EX. BULKHEAD -CONSTRUCTION, CONTRACTOR PROTECT EX. CONC. TOP OF COASTAL BANK SHALL REPAIR OR REPLACE RET. WALL DURING ANY DAMAGED SECTIONS EX. WOOD CONSTRUCTION PILE (TYP.) EX. SHEET PILE BULKHEAD FROM THE BESSE PARK AS-BUILT PLAN COASTAL BANK \* EX. CONC. WALK . EX CONC. WALK 5x23 EX. WALL (GRANITE) EX. STONE EX. DOCK SIDE UTILITY BOX (TYP.) EX. BOLLARD $\prod (TYP.)$ EX. CONCRETE RETAINING WALL TO REMAIN CONC. WALK 000 JPROP. EROSION CONTROL BARRIER HISTORIC M.H.W. G.A.F. ENGINEERS & LAND SURVEYORS 266 MAIN STREET - WAREHAM, MA 02571 HISTORIC M.H.W. MAP 46 LOT 1006 'BRITISH LANDING' TP-3 TP-2 4x7 14" DOUBLE | MAPLE MAP 47 INTERIOR LOT LINE (TYP.) LOTS 1124, 1125 & 1126 61,187 SQ.FT.± 12" MAPLE LOT 1126 5x3 EX. ABANDONED WATER METER PIT, TO BE REMOVED RIM EL.=6.86 MAP 47 / LOT 1127 N/F TOWN OF WAREHAM 'BESSE PARK' SEE NOTE-2 LOT 1124 LOT 1125 |R&D EX. |PAVED APRON JR&D EX. |PAVED APRON 100' WETLANDS | BUFFER ZONE EX. GUY WRE TO BE RELOCATED, CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY SAWCUT (TYP.) INTERIOR LOT LINE (TYP.) SITE DEVELOPMENT PLAN CONDITIONS & DEMOLITION STREET WAREHAM, 1 152.83' OHW EX. PAVED APRON N21.55'40"W APPROX. LOC. OF EX. -SEE NOTE-EX. PAVED | / APRON EX. CB-3 | RIM=9.39 MAIN STREET 10" PVC UP NO # -⊥ N18'21'21"v SEE NOTE-3-EX. CONC. SIDEWALK EX. SMH-2| / RIM=9:24 IP FND. EX. CB-1 RIM=10.63 CB W/DH FND WARREN APPROX. LOC. OF EX. | 8" C.I. WATER MAIN APPROX. LOC. OF | / EX. SMH-RIM=11.10 EX. CONC. SIDEWALK \|N14\*28'00"W |59.33' 200' RIVERFRONT AREA-ZONE AE-16 SHADED ZONE X LIMWA LINE-APPROX. LOC. OF EX. EX. CONDITIONS & DEMOLITION APPROX. LOC. OF EX. | 10" C.I. WATER MAIN JOB NO.: 20-9438 DWG. 3 OF 11 PERMIT SET (NOT FOR CONSTRUCTION) H:\GAF DRAWNGS\2020 DRAWNGS\20-9438 (DANNY WARREN)\9438\dwg\9438\_SITE PLAN\_2021\_ALT.-1\_REV.-1.dwg

#### NOTES: 1. REFER TO ARCHITECTURAL PLANS BY OTHERS FOR COMPLETE DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS OF THE PROPOSED BUILDINGS AND PAVILION. CONTRACTOR SHALL CONFIRM FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. ALL CONSTRUCTION SHALL COMPLY WITH ALL ASCE 24, MASSACHUSETTS AND INTERNATIONAL BUILDING CODE REQUIREMENTS, AS APPLICABLE FOR CONSTRUCTION IN FLOOD ZONES. REFER TO ARCHITECTURAL & STRUCTURAL PLANS BY OTHERS. 2. REFER TO ARCHITECTURAL PLANS BY OTHERS FOR ALL PROPOSED HANDICAP RAMPS & LANDINGS DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS. ALL PROPOSED RAMPS & LANDINGS SHALL BE PROVIDED WITH HANDRAILS PER A.D.A. AND BUILDING CODE REGULATIONS. ALL PROPOSED HANDICAP RAMPS & LANDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALL A.D.A. REGULATIONS. 3. THE PROPOSED PAVILION AND THE PROPOSED 1,200 S.F. BUILDING WILL BE CONSTRUCTED IN PHASE 2 OF THE PROJECT. 4. SITE CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL DESIGN OF THE PROPOSED GRANITE WALL/EDGING AND GRANITE STEP. PROVIDE HANDRAILS ALONG THE ENTIRE LENGTH OF THE PROPOSED WALL. HANDRAIL'S SHALL BE DESIGNED IN ACCORDANCE WITH ALL LOCAL AND STATE BUILDING CODES. 5. THE LAST 6' OF CURBING SHALL BE TRANSITION CURBING. WAREHAM BENCHMARK: D.H. IN SIDEWALK EL.=5.27 (NAVD-88 FEDERAL CHANNEL LIMIT PROP. 26.5'x44' PAVILION REFER TO ARCHITECTURAL PLANS SLAB=6.5± EX. SHEET PILE BULKHEAD FROM THE BESSE PARK AS-BUILT PLAN \* EX. CONC. WALK PROP. 25'x65' DECK W/PATIO BELOW REFER TO ARCHITECTURAL PLANS DECK F.F.E.=17.0 PATIO EL.=8.0± EX. CONCRETE RETAINING The manufacture of the second CONC. WAŁK PROP. 1,200 S.F. 40' HISTORIC M.H.W. NEYORS AREA REFER TO RCHITECTURAL PLANS PROP. 6" PRECAST JPROP. 5' CEM. F.F.E.=6.5± CONC. SIDEWALK CONC. CURB (TYP.) F. ENGINEERS & LAND SURVE MAIN STREET - WAREHAM, MA 02571 (508) 295-6600 FAX: (508) 295-6634 PROP. DUMPSTERS ON CEM. CONC. PROP. LANDSCAPE PROP. H.C. RAMP PROP. STAIRS UNDER DECK, REFER TO ARCHITECTURAL PLANS PAD W/ VINYL FENCE ENCL. JPROP. H.C. PARKING PROP. 65'-2"x100'-2" RESTAURANT LANDSCAPE AREA SIGN (TYP. OF 4) PROP. GRANITE REFER TO ARCHITECTURAL PLANS F.F.E.=17.0 WALL/EDGING, SEE NOTE 4 LOWER FLOOR EL.=8.0± SEE NOTES 1&2 JPROP. 6' TALL PROP. TRANSFORMER PROP. 8'x20' LANDING, REFER TO ARCHITECTURAL PLANS VINYL FENCE PAD (TYP.) SEE SHEET 5 FOR DETAILS PROP. STAIRS, | 20' LANDSCAPE | BUFFER ZONE ||F.F.E.=17.0 REFER TO PROP. RAMPS, REFER TO ARCHITECTURAL PLANS **ARCHITECTURAL** PROP. 6" PRECAST PLANS CONC. CURB (TYP.) PROP. 20'x20' PATIO 8' 9.5' JEND 6" VGC BEGIN 6" PCC PROP. 5'x5' CEM. CONC. LANDING JPROP. CEM. CONC. PROP. GRANITE! / R=2' PROP. LANDSCAPE STEP IPROP. CEM. UP\_\_\_ JPROP. LANDING & STAIRS, REFER TO ARCHITECTURAL PLANS PROP. BOLLARDI ISLAND (TYP. 100' WETLANDS | BUFFER ZONE BIT. CONC. PAVEMENT SEE NOTE PROP. LANDING, REFER TO ARCHITECTURAL PLANS OFFICE OFFI EX. CONC. SIDEWALK END 6" VGC V BEGIN 6" PCC LEND 6" VGC, LAST 6' TO BE TRANSITION CURB PROP. LANDSCAPE AREA PROP. 'STOP' SIGN- $\circ$ PROP. 6" VERTICAL PROP. UPLIT SIGN SHALL MEET ALL REQUIREMENTS OF SECTION 11 OF THE GRANITE CURB (TYP.) DEVELOPMENT LAYOUT PLAN PROP. UPLIT SIGN SHALL MEET ALL REQUIREMENTS OF SECTION 11 OF THE R=20' 10" PVC PROP. LIGHT POLE & BASE (TYP.) TOWN OF WAREHAM ZONING BYLAW QOZB, SIGN SHALL NOT EXCEED 100 S.F. TOWN OF WAREHAM ZONING BYLAW SIGN SHALL NOT EXCEED 100 S.F. EX. CONC. SIDEWALK R=10' PROP. STOP' SIGN R=20' EX. CONC. SIDEWALK JFIRST 6' OF VERTICAL GRANITE CURB SHALL BE TRANSITION 200' RIVERFRONT AREA -CURBING AT ALL ENTRANCE OPENINGS ZONE AE-16 SHADED ZONE X LIMWA LINE-LAYOUT PLAN SCALE: 1" = 20'JOB NO.: 20-9438 DWG. PERMIT SET 4 OF 11 (NOT FOR CONSTRUCTION) H:\GAF DRAWINGS\2020 DRAWINGS\20-9438 (DANNY WARREN)\9438\dwg\9438\_STE PLAN\_2021\_ALT.-1\_REV.-1.dwg

#### NOTES: 1. ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS. 2. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY PRIOR TO CONNECTION. 3. REFER TO PAVEMENT SAWCUT/TRENCH REPAIR DETAIL ON SHEET 9. CONTRACTOR SHALL CONFIRM EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH THE FIRE PROTECTION CONTRACTOR FOR ALL DETAILS ON THE PROPOSED BUILDING FIRE PROTECTION SYSTEM AND THE FIRE DEPARTMENT CONNECTION (F.D.C.). CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE AND CONFIGURATION OF TRANSFORMERS. PROTECT TRANSFORMERS WITH BOLLARDS AS SHOWN. TRANSFORMERS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL FLOOD ZONE SPECIFICATIONS AND REGULATIONS, COORDINATE WITH LOCAL UTILITY COMPANY. THE FINAL LOCATIONS, DEPTH'S AND CONSTRUCTION DETAILS OF THE PROPOSED GAS SERVICE AND GAS METERS SHALL BE DETERMINED BY THE LOCAL GAS COMPANY. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS COMPANY PRIOR TO CONSTRUCTION. AT THE WATER AND SEWER LINE CROSSING ONE FULL LENGTH OF SEWER PIPE SHALL BE 200 PSI PRESSURE RATED PIPE CENTERED OVER WATER LINE MEETING LATEST AWWA STANDARDS AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS. WATER AND SEWER LINES SHALL HAVE A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN PIPES. WAREHAM **BENCHMARK:** D.H. IN SIDEWALK EL.=5.27 (NAVD-88) FEDERAL CHANNEL LIMIT r-----EX. SHEET PILE BULKHEAD FROM THE BESSE PARK AS-BUILT PLAN \* EX. CONC. WALK PROP. 25'x65' DECK W/PATIO BELOW REFER TO ARCHITECTURAL PLANS EX. CONCRETE RETAINING WALL DECK F.F.E.=17.0 CONC. WALK PROP. BUILDING HISTORIC M.H.W. REFER TO HISTORIC M.H.W. **ARCHITECTURAL** PLANS F.F.E.=6.5# PROP. 26.5'x44' PROP. GAS METER. PAVILION ENGINEERS & LAND SUR SEE NOTE 7 PROP. 65'-2"x100'-2" RESTAURANT PROP. 20'x20' PATIO REFER TO ARCH. PLANS REFER TO REFER TO ARCHITECTURAL PLANS PROP. 4" SCH. 80 ARCHITECTURAL PLANS F.F.E.=17.0 PVC SEWER PIPE SLAB=6.5± LOWER FLOOR EL.=8.0± PROP. GAS SERVICE, SEE NOTE 7 PROP. TRANSFORMER, SEE NOTE 6 PROP. 1000 GAL. GREASE! TRAP, PROVIDE H.D.C.I. FRAME AND COVERS TO GRADE PROP. 2" WATER PROP. UNDERGROUND SERVICE UPROP. 2" H.D.P.E. ELECTRIC SERVICE WATER SERVICE TERMINATE FIRE PROTECTION SERVICE 12" ABOVE SLAB, TERMINATE WITH BLIND F.D.C., SEE NOTE 5-PROP. UTILITY SERVICE JPROP. 4" SCH. 80 JPVC SEWER SERVICE CONNECTION, COORD. WITH LOCAL UTILITY COMPANY! IFLANGE AND CAP PROP. UNDERGROUND ELECTRIC SERVICE 100' WETLANDS PROP. 3000 GAL. GREASE TRAP, PROVIDE H.D.C.I. FRAME AND COVERS TO GRADE BUFFER ZONE COPYRIC OR TRAN WITHOU REGULA OFFICIAL PROP. TRANSFORMER, L SEE NOTE 6 JPROP. GAS METER, SEE NOTE 7 EX. CONC. SIDEWALK JPROP. GAS SERVICE, UP #14-5-ISEE NOTE 7 APPROX. LOC. OF EX. CONNECT TO EX. 12" WATER MAIN WITH 12" SADDLE AND EX. CB-3 JPROP. 6" C.L.D.I. FIRE 12" A.C. WATER MAIN PROTECTION SERVICE MAIN STREET 2" CORPORATION STOP JPROP. 6" SCH. 80 VELOPMENT PROP. UTILITY SERVICE CONNECTION, COORD. WITH IPVC SEWER SERVICE 10" PVC UP NO # --SAWCUT (TYP.) LOCAL UTILITY COMPANY ¥EX. CB−2 RIM=10.76 EX. CONC. SIDEWALK EX. SMH-2 | RIM=9.24 EX. CB-1 RIM=10.63 APPROX. LOC. OF EX. CONNECT TO EX. WATER MAIN WITH A 12"x12"x6" TAPPING SLEEVE AND GATE VALVE, PROVIDE VALVE BOX TO FINISHED GRADE APPROX. LOC. OF LEX. GAS MAIN 8" C.I. WATER MAIN EX. CONC. SIDEWALK PROP. GAS SERVICE CONNECTION, COORD. WITH LOCAL GAS COMPANY DE UTI IPROP. DOGHOUSE 200' RIVERFRONT AREA-ISMH MANHOLE-1 ZONE AE-16 SHADED ZONE X PROP. DOGHOUSE SMH MANHOLE-2 LIMWA LINE-APPROX. LOC. OF EX. 12" D.I. WATER MAIN UTILITIES PLAN JPROP. GAS SERVICE CONNECTION, COORD. WITH LOCAL GAS COMPANY APPROX. LOC. OF EX. 10" C.I. WATER MAIN 20-9438 JOB NO.: DWG. **PERMIT SET** (NOT FOR CONSTRUCTION) H:\GAF DRAHHNGS\2020 DRAHHNGS\20-9438 (DANNY WARREN)\9438\dwg\9438\_STE PLAN\_2021\_ALT.-1\_REV.-1.dwg

#### NOTES: REFER TO ARCHITECTURAL PLANS BY OTHERS FOR COMPLETE DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS OF THE PROPOSED BUILDINGS AND PAVILION. CONTRACTOR SHALL CONFIRM FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. ALL CONSTRUCTION SHALL COMPLY WITH ALL ASCE 24. MASSACHUSETTS AND INTERNATIONAL BUILDING CODE REQUIREMENTS, AS APPLICABLE FOR CONSTRUCTION IN FLOOD ZONES. REFER TO ARCHITECTURAL & STRUCTURAL PLANS BY OTHERS. REFER TO ARCHITECTURAL PLANS BY OTHERS FOR ALL PROPOSED HANDICAP RAMPS & LANDINGS DIMENSIONS. CONSTRUCTION SPECIFICATIONS AND DETAILS. ALL PROPOSED RAMPS & LANDINGS SHALL BE PROVIDED WITH HANDRAILS PER A.D.A. AND BUILDING CODE REGULATIONS. ALL PROPOSED HANDICAP RAMPS & LANDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALL A.D.A. REGULATIONS. PEA STONE FILLED TRENCHES SHALL BE COVERED WITH AN ADDITIONAL TEMPORARY LAYER OF FILTER FABRIC UNTIL THE COMPLETION OF CONSTRUCTION. IF THERE IS ANY EVIDENCE OF SEDIMENT ENTERING THE TRENCHES, THE AFFECTED AREA OF THE TRENCH SHALL BE FULLY RECONSTRUCTED INCLUDING THE FILTER FABRIC. WATER MAIN/SERVICES SHALL BE INSTALLED A MINIMUM OF 18" BELOW ALL PROPOSED DRAINAGE LINES. DOWNPOUTS ON FRONT OF THE PROPOSED RESTAURANT SHALL BE PIPED TO THE INFILTRATION SYSTEM #2. DOWNSPOUTS FOR THE PROPOSED 1,200 S.F. BUILDING SHALL BE PIPED TO THE INFILTRATION SYSTEM #1. REFER TO ARCHITECTURAL PLANS FOR ALL DOWNSPOUT LOCATIONS AND SIZES. ALL STONE AROUND PRECAST CEMENT CONCRETE LEACHING CHAMBERS SHALL BE 1.5"-2" DOUBLE WASHED 7. FOR COMPLETE DRAINAGE OPERATION AND MAINTENANCE NOTES SEE SHEET 2. WAREHAM BENCHMARK: D.H. IN SIDEWALK EL.=5.27 (NAVD-88) -----PROP. 7 ROWS OF 4 LOW PROFILE! PROP. 6" DRAINAGE EMITTER FLOW DIFFUSOR PRECAST CONC. (TYP. OR 2 PER CHAMBER PROP. 7 ROWS OF 4 LOW PROFILE! CHAMBERS, SYSTEM 2 FLOW DIFFUSOR PRECAST CONC. SYSTEM) SEE DETAIL CHAMBERS, SYSTEM PROP. 2' OF STONE AROUND PROP. 2' OF STONE AROUND! IPROP. CLEANOUT ACCESS CHAMBERS, SEE NOTE 6 CHAMBERS, SEE NOTE 6 FPROP. 5:1 SLOPE COVER TO GRADE (TYP.) EX. SHEET PILE BULKHEAD FROM THE BESSE PARK AS-BUILT PLAN EX. CONC. WALK / PROP. 12"x12"x6" TEE (TYP.) EX. CONCRETE RETAINING CONC. WALK PROP. BUILDING REFER TO ARCHITECTURAL PLANS F.F.E.=6.5± INC. 6" INV.=3.35 PROP. 26.5'x44' PAVILION REFER TO ARCH. PLANS SLAB=6.5± PROP. 25'x65' DECK W/PATIO BELOW REFER TO ARCHITECTURAL PLANS DECK F.F.E.=17.0 PATIO EL.=8.0± \[8x0] ENGINEERS & LAND SUR PROP. 4.5' MIN. WIDEx2.5' DEEP PEA STONE TRENCH TC=6x4| BC=5x9| CAP PERF. PIPE | ENDS (TYP.) TC=6x75 BC=6x25 N-12 (TYP.) |TW=10x5 |BW=7x9 TC=6x15| BC=5x65| PROP. 65'-2"x100'-2" RESTAURANT REFER TO ARCHITECTURAL PLANS F.F./E.=17.0 LOWER FLOOR EL.=8.0± =11x0 / SEE NOTES 1&2 TC=6x45| BC=5x95| TC=7x0 | BC=6x5 6" INV.=3.50 $^{\mathcal{V}}$ -PROP. LANDSCAPE BERM PROVIDE 5' WIDE CURB CUTS AS SHOWN (TYP.) \_5x95\ -PROP. 3:1 SLOPE 6" INV.=3.50 PROP. 12" ADS N-12 PERORATED PIPE LAID FLAT TC=8x0| BC=7x5 100' WETLANDS TC=10x0| BC=9x5| UP #14-5 APPROX. LOC. OF EX. 12" A.C. WATER MAIN MAIN STREET EX. CB-3 | RIM=9.39 DEVELOPMENT NG & DRAINAGE UP NO # 10x4 10" PVC | EX. CB-2 | RIM=10.76 EX. CONC. SIDEWALK TC=12x3 BC=11x8 EX. SMH-2| RIM=9.24 IP FND. EX. CB-1 RIM=10.63 CB W/DH FND APPROX. LOC. OF EX. APPROX. LOC. OF L 8" C.I. WATER MAIN EX. CONC. SIDEWALK 200' RIVERFRONT AREA ZONE AE-16 SHADED ZONE X LIMWA LINE APPROX. LOC. OF EX. 12" D.I. WATER MAIN GRADING & DRAINAGE PLAN APPROX. LOC. OF EX. | 10" C.I. WATER MAIN JOB NO.: 20-9438 DWG. **PERMIT SET** (NOT FOR CONSTRUCTION) H:\GAF DRAWNGS\2020 DRAWNGS\20-9438 (DANNY WARREN)\9438\dwg\9438\_SITE PLAN\_2021\_ALT.-1\_REV.-1.dwg

#### PLANTING STANDARDS: 1. THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP, AND TRANSPLANT ALL PLANT MATERIALS LISTED ON THE PLANT SCHEDULE. BARE-ROOT IS TYPICALLY NOT PERMITTED FOR ANY TREE. 2. PLANT MATERIALS SHALL CONFORM TO THE REQUIREMENTS DESCRIBED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANTS SHALL BE NURSERY GROWN. 3. PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE. A) CALIPER MEASUREMENTS SHALL BE TAKEN SIX (6) INCHES ABOVE GRADE FOR TREES UNDER FOUR (4) INCHES IN DIAMETER AND TWELVE (12) INCHES ABOVE GRADE FOR TREES FOUR (4) INCHES IN DIÁMETER AND LARGER. B) MINIMUM BRANCHING HEIGHT FOR ALL SHADE C) MINIMUM SIZE FOR SHADE TREES SHALL BE TWELVE (12) FEET IN HEIGHT. D) MINIMUM SIZE FOR EVERGREEN TREES SHALL E) MINIMUM SIZE FOR SHRUBS SHALL BE THREE 4. A PROFESSIONAL HORTICULTURIST/NURSERYN TIME TO MOVE AND INSTALL PLANT MATERIAL PLANTING OF DECIDUOUS MATERIAL MAY BE NO FROST IN THE GROUND AND FROST-FREE 5. A LANDSCAPE CONTRACTOR SHALL EXCAVAT SHRUB BEDS AS FOLLOWS: A) ALL PITS SHALL BE GENERALLY CIRCULAR IN BE DEEP ENOUGH TO ALLOW ONE-EIGHTH ( PLANTS SHALL REST ON UNDISTURBED EXIST SIDE, THE TREE PITS MUST BE A MINIMUM OF B) IF AREAS ARE DESIGNATED AS SHRUB BEDS AT LEAST EIGHTEEN (18) INCHES IN DEPTH. SHALL BE CULTIVATED TO AT LEAST TWELVE 6. EACH TREE, SHRUB, OR VINE SHALL BE PRUN ACCEPTED STANDARD PRACTICE. 7. ALL TRENCHES AND SHRUB BEDS SHALL BE DRAWING. THE AREAS AROUND ISOLATED PLA DIAMETER OF THE PIT. SOD THAT HAS BEEN EDGES OF ALL EXCAVATED AREAS TO THE N SHRUB AREAS, HEDGE TRENCHES AND VINE

100' WETLANDS | BUFFER ZONE

EX. CONC. SIDEWALK

IP FND.

| SERUES  SHRUES  HAMA  P INFORMORA ARRORESCENS ANNEALLE WHITE HYDRANGEA  HOR S HYDRANGEA QUERCIFOLIA  OAK LEAF HYDRANGEA  AND 22 "ANNEALLE"  BAR HARBOR' CHOUND  HO S HYDRANGEA QUERCIFOLIA  AND 27 "ANNEALLE"  BAR HARBOR' CHOUND  HO 28 HYDRANGEA QUERCIFOLIA  AND 3 "ANNEALLE"  BAR HARBOR' CHOUND  HO 29 "ANNEALLE"  BAR HARBOR' CHOUND  HO 20 "ANNEALLE"  JUNIERUS MORRANIA  EASTERN ED CEDAR  F "-8" HT. NATIVE SPECIES  HANT A'C.  JUNIERUS MORRANIA  EASTERN ED CEDAR  B"-10" HT. NATIVE SPECIES  HANT A'C.  JUNIERUS MORRANIA  BAR BAR HARBOR'  HYDRO SHRUB ROSE  SHRUE A'TO RED  SAN 20 "SPRICEA JAPONICA"  NEON HASH  NEON HASH  ARRORESCENS  ARROREM JAPONICA  NEON HASH  ARRORESCENS  ARRORESCENS  ARRORESCENS  ARRORESCENS  ARRORESCENS  ARRORESCENS  ARRORESCENS  ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCENS ARRORESCEN | SHRUES    HAAA   HYDRANGEA ARBORESCENS   ANNISAELLE WHITE   24"-30" HT.   NATIVE SPECES   PLANT 5" O.C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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      | BOTANICAL NAME                                                                  | COMMON NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                         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| HO 8 HYDRANGEA QUERCIFOLIA ONK LEAF HYDRANGEA 24"-30" HT. No. GAL.  JUNIFERSUS HORIZONTALS JUNIFERSUS HORIZONTALS JUNIFERS GROUND 15"-24" SPR. NATIVE SPECIES FLANT 5" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 7"-6" HT. No. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. No. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. No. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. No. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NATIVE SPECIES FLANT 6" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NATIVE SPECIES FLANT 5" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NATIVE SPECIES FLANT 5" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NATIVE SPECIES FLANT 5" O.G.  JUNIFERSUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NO. TH. NO. T  | D HO 8 I PROTANGEA QUECOTOLIA DAK LEAF HYDRANGEA 26"-50" NT. MATTER SECOS. PLANT 5" O.C.  JUNE 21 JUNIFERIS HORIZONTALIS JUNES.  |      |                           |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                          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| AND STANDARD | JUNE 2 JUNIFERES SOCRATED SOCR | AA   | 9                         |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 24'-30' HT.                                                                                                                                                                                                                                                                                                                                                     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| JU-1 7 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 7"-6" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT 6" O.C. JUNIPERUS VIRGINANA RED LANGE 8" ORNAMENTAL TIREES  ARO 6 ACER RUBRIUM OCTOBER CLORY RED MARIE 5" CAL. NATIVE SPECIES SHOWN SHOWN BOWHALL COLUMNAR SWALP RED MARIE 5" CAL. NATIVE SPECIES SHOWN BOWHALL COLUMNAR SWALP RED MARIE 5" CAL. NATIVE SPECIES SHOWN BOWHALL COLUMNAR SWALP RED MARIE 5" CAL. NATIVE SPECIES SHOWN DIVISION NATIVE SPECIES SHOWN ORNAMENTAL GREEN VASE ZELKOVA 5" CAL. B & B PLINT AS SHOWN ORNAMENTAL GREEN VASE ZELKOVA 5" CAL. 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NOM-HYMASIVE PLANT 3' O.C.  SARF 20 SPIRICAL AUPONCIA NEON RESERVE RED METE 18'-24' HT. NOM-HYMASIVE PLANT 3' O.C.  SHADE & ORNAMENTAL TREES  ARO 6 ACSE RUBRIUM SOMMAL STEMATE SPECIES SPECIES SHOWN SOMMAR RED MARIE 3' CAL MATNE SPECIES SHOWN SOMMAR RED MARIE 3' CAL MATNE SPECIES SHOWN SOMMAR RED MARIE 3' CAL MATNE SPECIES SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B & B S SHOWN SOMMAR RED MARIE 3' CAL B 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| UV-2 15 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 8"-10" HT. NATIVE SPECIES PLANT IS O.C.  PRO 31 ROSA HYBRID-KNOCK OUT HYBRID SHRUB ROSE 18"-24" HT. 3 GALL SHRUB PLANT S' O.C.  SHADE & ORNAMENTAL TERES  ARB 4 ACER RUBRUM SOMMAL COLUMNAR SHRUB SHRUB SHRUB SHRUB ROSE SHOWN SHAPP RED MARIE 5" CAL. NATIVE SPECIES SHOWN SHAPP RED MARIE 5" CAL. NATIVE SPECIES SHOWN SHAPP RED MARIE 5" CAL. NATIVE SPECIES SHOWN SHOWN SHAPP RED MARIE 5" CAL. 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| *** RXO 31 ROSA HYDRID -XNOCK OUT** HYDRID SHUDE ROSE *** SWITE & 10 DED*** 18"-24" HT. NON-NASVE PLANT 3" O.C.  *** SWITE & 10 DED*** 18"-24" HT. NON-NASVE PLANT 3" O.C.  *** SWITE & 10 DED*** 18"-24" HT. NON-NVASVE PLANT 3" O.C.  *** SHADE & ORNAMENTAL TREES  *** ARO 6 ACER RUBRUM OCTOBER GLORY RED MARIE OCTOBER GL | PRODUCTION OF THE PROPERTY OF  | V-1  | 7                         | JUNIPERUS VIRGINIANA                                                            | EASTERN RED CEDAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7'-8' HT.                                                                                                                                                                                                                                                     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| RKO 31 ROSA HYBRID-XNOCK OUT SHURR ROSE SHURR ROSE 18"-24" HT. NON-MINASWE PLANT 3" O.C. SMITE & 10 D SPIREA JAPPONICA NEON FLASH SPIREA 18"-24" HT. NON-MINASWE PLANT 3" O.C. SMITE & 10 D SPIREA JAPPONICA NEON FLASH SPIREA 18"-24" HT. NON-MINASWE PLANT 3" O.C. SMITE & 10 D SPIREA JAPPONICA NEON FLASH SPIREA 18"-24" HT. NON-MINASWE PLANT 3" O.C. SMITE & 10 D SPIREA JAPPONICA NEON FLASH SPIREA 18"-24" HT. NON-MINASWE PLANT 3" O.C. SMITE & 10 D SPIREA JAPPONICA NEON MAJOR SPIR | PRIOR STIR ROSE NYBRID—YNDOK OUT STIRL ROSE  | V-2  | 15                        | JUNIPERUS VIRGINIANA                                                            | EASTERN RED CEDAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8'-10' HT.                                                                                                                                                                                                                                                                                                         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| SAME 20 SPIRMEA JAPONICA NEON FLASH SPIREA 18"-24" HT. NON-INVASIVE PLANT 3" O.C.  SHADE & ORNAMENTAL TREES  ARO 6 COTOBER CLORY RED MAPLE  ARO 7 COLOBER CLORY RED MAPLE  ARO 8 COTOBER CLORY RED MAPLE  ARO 9 COTOBER CLORY RED MAPLE  ARO 1 ACER RUBBUN  BOWHALL CULINNAR  SWAMP FED MAPLE  3" CAL. NATIVE SPECIES  SHOWN  NS 4 NYSSA SYLVATICA  BLACK GUM  3" CAL. NATIVE SPECIES  SHOWN  NS 4 NYSSA SYLVATICA  BLACK GUM  3" CAL. NATIVE SPECIES  SHOWN  ORNAMENTAL GRASSES & PERENNIALS  ORNAMENTAL GRASS | SANF 20 SPRATA APONICA  NEON FLASH SPIREA  18"-24" HT. NON-INVASIVE PLANT 3" O.C.  SHADE & ORNAMENTAL TREES  ARD 6 ACER RUBRUM OCTOBER GLORY RED MAPIL  ACER RUBRUM ACER RUBRUM SWAMP RED MAPIL  ACER RUBRUM ACER RUBRUM ACER RUBRUM AND MAPIL  ACER RUBRUM ACER RUBRUM AND MAPIL  ACER RUBRUM AND  | ко   | 31                        | ROSA HYBRID-'KNOCK OUT'                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18"-24" HT.                                                                                                                                                                                    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| SHADE & ORNAMENTAL TREES  ARO 6 ACER RUBRUM OCTOBER GLORY RED MADE NATIVE SPECIES PLANT AS ARO 6 ACER RUBRUM SWAMP RED MAPLE DIVINITY ACER RUBRUM SWAMP RED MAPLE S* CAL. NATIVE SPECIES PLANT AS SHOWN NATIVE SPECIES SHOWN NATIVE  | SHADE & ORNAMENTAL TREES  ARO 6 ACER RUBRUM RED MAPLE  ARB 4 ACER RUBRUM BOMALL  NAME ACER RUBRUM   | JNF  | 20                        |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18"-24" HT.                                                                                                                                                                                                                                    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| ARO 6 OCTOBER GLORY RED MAPLE 3° CAL NATIVE SPECIES SHOWN ARB 4 ACER RUBRUM BOWHALL COLUMNAR 3° CAL B & B S B SHOWN NATIVE SPECIES SHOW | ARO 6 ACER RUBRUM OCTOBER GLORY RED MAPIE  ARB 4 ACER RUBRUM BOWHALL COLUMNAR SWAMP RED WAPIE  ARB 4 ACER RUBRUM BOWHALL SWAMP RED WAPIE  NS 4 NYSSA SYLVATICA BLACK GUM S** CAL. NATIVE SPECIES SHOWN NS 4 NYSSA SYLVATICA BLACK GUM S** CAL. NATIVE SPECIES SHOWN ORNAMENTAL GRASSES & PERRITA GREEN VASE ZELKOVA S** CAL. D ZSG 11 ZELKOVA SERRATA GREEN VASE ZELKOVA  ORNAMENTAL GRASSES & PERRITA GREEN VASE ZELKOVA  ORNAMENTAL GRASSES |      | SH                        |                                                                                 | ES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                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| ARB 4. ACER RUBRUM SWAMP RED MAPLE  3" CAL.  B & B NATIVE SPECIS SHOWN  NS 4. NYSSA SYLVATICA BLACK GUM 3" CAL.  B & B PLANT AS SHOWN  ORNAMENTAL GRASSES & PERENNIALS  CAK 15 CALAMAGROSTIS ACUITLORA FEATHER REED GRASS  CAK 15 CALAMAGROSTIS ACUITLORA FEATHER REED GRASS  HAPPY RETURNS  HAPPY RETURNS  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  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| NS 4 NYSSA SYLVATICA BLACK GUM 3° CAL PLANT AS SHOWN  ZSG 111 ZELKOVA SERRATA GREEN VASE ZELKOVA 3° CAL B & B PLANT AS SHOWN  ORNAMENTAL GRASSES & PERENNIALS  CAK 15 CALAMAGROSTIS ACUTFLORA FEATHER REED GRASS 1 GAL NON-INVASIVE 18° O.C.  HHR 135 HEMPOCAUS HAPPY RETURNS DWARF YELLOW DAYLLY 1 GAL NON-INVASIVE 12° O.C.  TES:  ALL PLANT SPECIES PLANTED WITHIN THE 100' WEILAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  PLANT ANNUALS, ICODORN MITH OWNER  (3)RKO  PLANT ANNUALS, ICODORN MITH OWNER  (3)RKO  (3)RKO  (3)NV-2  PROP. 6' TALL  VINITL FENCE  (3)NV-2  PROP. 6' TALL  VINITL FENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| ZSG 11 ZELKOVA SERRATA  OREEN VASE ZELKOVA  ST CAL  B & B  PLANT ANNUALS  CAK  TO  TO  CAK  T | ZSG 11 ZELKOVA SERRATA GREEN VASE ZELKOVA 3° CAL B & B PLANT AS SHOWN  ORNAMENTAL GRASSES & PERENNIALS  CAK 15 CALAMAGROSTS ACUTFLORA "KARI, FORESTER"  HHR 135 HEMEROCAUS HAPPY RETURNS DWARF YELLOW DAYLLY  TES: ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  ON THE CONSIDERE RETURNS ON THE CONSIDERED NON-INVASIVE SPECIES.  ACCOUNT MALE  LONG FLOOR IL.—B.O.S  PROP. 6' TALL WINNYL FENCE  (3)RNO  (3)RNO  (3)RNO  (3)NV-2  (15)PROP. 6' TALL WINNYL FENCE  (3)RNO  (3)NV-2  (15)PROP. 6' TALL WINNYL FENCE  (15)P |      | 7                         |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                         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| ORNAMENTAL GRASSES & PERENNIALS  CAK 15 CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL 36° HT. NON-INVASIVE 18° O.C. HEAVEN CALAMAGROSTIS ACUTIFLORA KARL FORRSIER*  HHR 135 HAPPY RETURNS DWARF YELLOW DAYLLLY 1 GAL 100-INVASIVE 12° O.C. DWARF YELLOW DAYLLLY 1 GAL 100-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  PLANT ANNUALS. (3)RNO 100-100-100-100-100-100-100-100-100-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 250 11 GREEN VASE GREEN VASE ZELKOVA 3" CAL. B & B SHOWN  ORNAMENTAL GRASSES & PERENNIALS  CAK 15 CALAMAGROSTIS ACUTELORA FEATHER REED GRASS 1 GAL. MON-INVASIVE 18" O.C. MAN INVASIVE 18" O.C. MAN INVASIVE 18" O.C. MAN INVASIVE 12" O.C. MAN IN |      | 4                         |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                          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| CAK 15 CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL NON-INVASIVE 18* O.C. HHR 135 HEMEROCALIS HAPPY RETURNS DWARF YELLOW DAYLLY 1 GAL. NON-INVASIVE 12* O.C. HAPPY RETURNS DWARF YELLOW DAYLLY 1 GAL. NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 12* O.C. 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HAPPY RETURNS CONCERN FOR FEATHER REED GRASS 1 GAL NON-INVASIVE 1  | CAK 15 CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL 35° MT. NON-INVASIVE 18° O.C. WALL FORSTER" 18° O.C. 10° MILE 100° METLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100° WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  ON THE STANDARD SERVICE OF THE STANDARD SERV | SG   | 11                        |                                                                                 | GREEN VASE ZELKOVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3" CAL.                                                                                                                                                                                                                                                                                                                                                            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| HHR 135 HEMEROCALIS HAPPY RETURNS DWARF YELLOW DAYLLY 1 GAL NON-INVASIVE 12" O.C.  TES:  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  EX. CONCRETE TO ARCHITECTURAL PLANS  LOWER FLOOR EL 8.03  TOWN JAMES     | HHR 135 HAPPY RETURNS  HAPPY RETURNS  DWARF YELLOW DAYLLY  1 GAL  18" HT.  100.  18" HT.  18" HT |      | ORN                       |                                                                                 | RENNIALS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                         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| TES:  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  DESCRIPTION OF THE PROPERTY OF | THE CONTROL OF THE PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  CONC. MAIN.  CON | AK   | 15                        |                                                                                 | FEATHER REED GRASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 GAL:                                                                                                                                                                                                                                                                                                                                                                                                      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| ES: ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  BS:  COMM. BACK  SAND  COMM. BACK  CONCRETE  RETAINING  WALL  JV-2  SOLUTION  (3)RKO  (4)RETAIN RETAIN RE | ES:  LL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.  ANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.  CX. COMMETE RETAINANCE NALL  ONLY AND SECRET OR TO AND S | IHR  | 135                       |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 GAL.                                                                                                                                                                                                                                                                                                                                                     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(15)HHR (3) NS, TYP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| P. 65'-2<br>FER TO A<br>LOWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                                              |      | HB /-1 /-2 KO NF SG AK HR | HB 21  /-1 7  /-2 15  KO 31  JNF 20  SF-  RO 6  RB 4  SG 11  ORN  AK 15  HR 135 | HYDRANGEA ARBORESCENS 'ANNBELLE'  HQ 8 HYDRANGEA QUERCIFOLIA  HB 21 JUNIPERUS HORIZONTALIS 'BAR HARBOR'  V-1 7 JUNIPERUS VIRGINIANA  V-2 15 JUNIPERUS VIRGINIANA  KO 31 ROSA HYBRID—'KNOCK OUT'  JINF 20 SPIRAEA JAPONICA 'NEON FLASH'  SHADE & ORNAMENTAL TREI  RO 6 ACER RUBRUM 'OCTOBER GLORY'  RB 4 ACER RUBRUM 'BOWHALL'  JIS 4 NYSSA SYLVATICA  SG 11 ZELKOVA SERRATA 'GREEN VASE'  ORNAMENTAL GRASSES & PER  AK 15 CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'  HEMEROCALIS 'HAPPY RETURNS' | HYDRANGEA ARBORESCENS ANNBAELLE WHITE HYDRANGEA  9 HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA  HB 21 JUNIPERUS HORIZONTALIS BAR HARBOR GROUND JUNIPER  7 JUNIPERUS VIRGINIANA EASTERN RED CEDAR  KO 31 ROSA HYBRID—'KNOCK OUT' BY HYBRID SHRUB ROSE WHITE & 10 RED  JUNIPER  SHADE & ORNAMENTAL TREES  RO 6 ACER RUBRUM OCTOBER GLORY RED MAPLE  RB 4 ACER RUBRUM BOWHALL  SG 11 ZELKOVA SERRATA ORNAMENTAL GRASSES & PERENNIALS  AK 15 CALAMAGROSTIS ACUTIFLORA CANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE IN  ANT SPECIES PLANTED 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HQ 8 HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA 24'-30' HT.  HB 21 JUNIPERUS HORIZONTALIS BAR HARBOR GROUND 18"-24" SPR.  V-1 7 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 7'-8' HT.  V-2 15 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 8'-10' HT.  KO 31 ROSA HYBRID-'KNOCK OUT' HYBRID SHRUB ROSE 5 WHITE & 10 RED 18"-24" HT.  JUNF 20 SPIRAEA JAPONICA NEON FLASH SPIREA 18"-24" HT.  SHADE & ORNAMENTAL TREES  RO 6 ACER RUBRUM OCTOBER GLORY RED MAPLE 3" CAL.  RB 4 ACER RUBRUM BOWHALL' BOWHALL' BOWHALL COLUMNAR SWAMP RED MAPLE 3" CAL.  GREEN VASE' GREEN VASE ZELKOVA 3" CAL.  ORNAMENTAL GRASSES & PERENNIALS  AK 15 CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL.  CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL.  ANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSI | SHRUBS  AA 9 HYDRANGEA ARBORESCENS ANNBAELLE WHITE HYDRANGEA 24'-30' HT. NATIVE SPECIES ANNBELLE:  AA 9 HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA 24'-30' HT. NATIVE SPECIES AND ANTIVE SPECIES BAR HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA 24'-30' HT. NATIVE SPECIES BAR HARBOR:  BAR HARBOR: JUNIPERUS HORIZONTALIS BAR HARBOR GROUND JUNIPER ANTIVE SPECIES BAR HARBOR: JUNIPER BAR HARBOR: JUNIPERUS VIRGINIANA EASTERN RED CEDAR B'-10' HT. NATIVE SPECIES BAR | AAA 9 HYDRANGEA ARBORESCENS ANNBAELLE WHITE HYDRANGEA 24'-30' HT. NATIVE SPECIES PLANT 5' O.C. ANDBELLE' HYDRANGEA 24'-30' HT. NATIVE SPECIES PLANT 5' O.C. BY HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA 24'-30' HT. NATIVE SPECIES PLANT 5' O.C. HB 21 JUNIPERUS HORIZONTALIS BAR HARBOR GROUND JUNIPER SPAR HARBOR' JUNIPER SPECIES PLANT 4' O.C. W-1 7 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 7'-B' HT. NATIVE SPECIES PLANT 6' O.C. W-2 15 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 8'-10' HT. NATIVE SPECIES PLANT 6' O.C. W-2 15 JUNIPERUS VIRGINIANA EASTERN RED CEDAR 8'-10' HT. NATIVE SPECIES PLANT 8' O.C. WO 31 ROSA HYBRID-'KNOCK OUT' HYBRID SHRUB ROSE 5 WHITE & 10 RED 18"-24" HT. NON-INVASIVE PLANT 3' O.C. WINF 20 SPIRAEA JAPONICA NEON FLASH SPIREA 18"-24" HT. NON-INVASIVE PLANT 3' O.C. SHADE & ORNAMENTAL TREES  RO 6 ACER RUBRUM OCTOBER GLORY RED MAPLE 3" CAL NATIVE SPECIES SHOWN SWAMP RED MAPLE 3" CAL NATIVE SPECIES SHOWN SWAMP RED MAPLE 3" CAL NATIVE SPECIES SHOWN ORNAMENTAL GREEN VASE ZELKOVA 3" CAL B & B PLANT AS SHOWN ORNAMENTAL GRASSES & PERENNIALS  AK 15 CALAMAGROSTIS ACUTIFLORA FEATHER REED GRASS 1 GAL NON-INVASIVE 18" O.C. WATCHER CORNINASIVE DWARF YELLOW DAYLLY 1 GAL NON-INVASIVE 12" O.C. WATCHER CORNINASIVE 12" O.C. WATCHER CORNINASIVE SPECIES SHOWN ORNAMENTAL GRASSES & PERENNIALS  AND SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES. | AA 9 HYDRANGEA ARBORESCENS ANNBAELLE WHITE HYDRANGEA 24'-30' HT. NATIVE SPECIES PLANT 5' O.C. PLANT 5' O.C. ANNBELLE'  HYDRANGEA QUERCIFOLIA OAK LEAF HYDRANGEA 24'-30' HT. NATIVE SPECIES PLANT 5' O.C. NATIVE SPECIES PLANT 5' O.C. 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PLANT LIST

|                         | DIAMETER AND LARGER.                                                                                                                                                                                                                                              | 7/10          | OI ID 21    | 'BAR HARBOR'                             | JUNIPER                               | 10 -24 SF1      |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------------------------------------|---------------------------------------|-----------------|
|                         | B) MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX (6) FEET.  C) MINIMUM SIZE FOR SHADE TREES SHALL BE TWO AND ONE HALF (2.5) INCHES IN DIAMETER AND  TWELVE (12) FEET IN HEIGHT.                                                                       | ₩             | JV-1 7      | JUNIPERUS VIRGINIANA                     | EASTERN RED CEDAR                     | 7'-8' нт.       |
| ] [                     | D) MINIMUM SIZE FOR EVERGREEN TREES SHALL BE BETWEEN SIX (6) AND EIGHT (8) FEET IN HEIGHT E) MINIMUM SIZE FOR SHRUBS SHALL BE THREE (3) FEET IN HEIGHT                                                                                                            | $ \Phi$       | JV-2 15     | JUNIPERUS VIRGINIANA                     | EASTERN RED CEDAR                     | 8'-10' HT.      |
| 4                       | 4. A PROFESSIONAL HORTICULTURIST/NURSERYMAN SHALL BE CONSULTED TO DETERMINE THE PROPER TIME TO MOVE AND INSTALL PLANT MATERIAL SO THAT DISTRESS TO THE PLANT IS MINIMIZED. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING WINTER MONTHS PROVIDED THERE IS | 0             | RKO 31      | ROSA HYBRID-'KNOCK OUT'                  | HYBRID SHRUB ROSE<br>5 WHITE & 10 RED | 18"-24" HT      |
|                         | NO FROST IN THE GROUND AND FROST—FREE TOPSOIL PLANTING MIXTURES ARE USED.  5. A LANDSCAPE CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES, AND                                                                                                | 0             | SJNF 20     | SPIRAEA JAPONICA<br>'NEON FLASH'         | NEON FLASH SPIREA                     | 18"-24" HT      |
|                         | SHRUB BEDS AS FOLLOWS: A) ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, WITH VERTICAL SIDES. THE TREE PIT SHALL                                                                                                                                                |               |             | SHADE & ORNAMENTAL TR                    | EES                                   |                 |
|                         | BE DEEP ENOUGH TO ALLOW ONE-EIGHTH (1/8) OF THE BALL TO BE ABOVE THE EXISTING GRADE. PLANTS SHALL REST ON UNDISTURBED EXISTING SOIL OR WELL COMPACTED BACKFILL ON EVERY SIDE, THE TREE PITS MUST BE A MINIMUM OF 2 TIMES THE ROOT BALL DIAMETER.                  | 8             | ARO 6       | ACER RUBRUM                              | OCTOBER GLORY                         | 3" CAL.         |
| E                       | B) IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE CULTIVATED TO AT LEAST EIGHTEEN (18) INCHES IN DEPTH. AREAS DESIGNATED FOR GROUND COVERS AND VINES SHALL BE CULTIVATED TO AT LEAST TWELVE (12) INCHES IN DEPTH.                         | 0             | ARB 4       | OCTOBER GLORY  ACER RUBRUM               | BOWHALL COLUMNAR SWAMP RED MAPLE      | 3" CAL.         |
| (                       | 6. EACH TREE, SHRUB, OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICE.                                                                                                                                              | N N           | NS 4        | 'BOWHALL' NYSSA SYLVATICA                | BLACK GUM                             | 3" CAL.         |
|                         | 7. ALL TRENCHES AND SHRUB BEDS SHALL BE EDGED AND CULTIVATED TO THE LINES SHOWN ON THE DRAWING. THE AREAS AROUND ISOLATED PLANTS SHALL BE EDGED AND CULTIVATED TO THE FULL                                                                                        |               | ZSG 11      | ZELKOVA SERRATA<br>'GREEN VASE'          | GREEN VASE ZELKOVA                    | 3" CAL.         |
|                         | DIAMETER OF THE PIT. SOD THAT HAS BEEN REMOVED AND STACKED SHALL BE USED TO TRIM THE EDGES OF ALL EXCAVATED AREAS TO THE NEAT LINES OF THE PLANT PIT SAUCERS, THE EDGE OF SHRUB AREAS, HEDGE TRENCHES AND VINE POCKETS.                                           |               | OR          | NAMENTAL GRASSES & P                     | ERENNIALS                             |                 |
|                         | 8. AFTER CULTIVATION, ALL PLANT MATERIALS SHALL BE MULCHED WITH A LAYER BETWEEN TWO (2) AND THREE (3) INCHES DEEP OF HEMLOCK / SPRUCE MULCH OVER THE ENTIRE AREA OF THE BED OR SAUCER.                                                                            | 0             | CAK 15      | CALAMAGROSTIS ACUTIFLORA "KARL FOERSTER" | FEATHER REED GRASS                    | 1 GAL.          |
| s                       | 9. A TWO (2) YEAR GUARANTEE SHALL BE PROVIDED ON ALL NEW PLANT MATERIAL, IF ANY TREE OR SHRUB DIES WITHIN THIS PERIOD OF TIME, IT SHALL BE REPLACED.                                                                                                              |               | HHR 135     | HEMEROCALIS 'HAPPY RETURNS'              | HAPPY RETURNS<br>DWARF YELLOW DAYLILY | 1 GAL.          |
| 1                       | 10. ALL AREAS THAT ARE NOT LANDSCAPED SHALL BE LOAMED AND SEEDED.                                                                                                                                                                                                 | NOTES         |             |                                          |                                       |                 |
|                         |                                                                                                                                                                                                                                                                   |               |             | CIES PLANTED WITHIN THE 100'             |                                       |                 |
|                         |                                                                                                                                                                                                                                                                   | 2. LAN        | IDSCAPE DES | SIGN BY E.A. FULLER, LANDSCA             | PE ARCHITECT, 24 SCOTT DR             | RIVE, PLYMOUTH, |
|                         |                                                                                                                                                                                                                                                                   |               |             |                                          |                                       |                 |
|                         | THE BESSE PARK AS-BUILT PLAN                                                                                                                                                                                                                                      | <u> </u>      | 9-0-0       |                                          |                                       |                 |
|                         | PROP. 25'x65' DECK W/PATIO BELOW!                                                                                                                                                                                                                                 | \$ EX CO      | NC. WALK    |                                          | 9000000                               |                 |
|                         | PROP. 25'x65' DECK W/PATIO BELOW REFER TO ARCHITECTURAL PLANS DECK F.F.E.=17.0                                                                                                                                                                                    | ·<br>777      |             |                                          |                                       | . 4             |
|                         | PATIO EL.=8.0±                                                                                                                                                                                                                                                    | 111           |             | EX. CONCRETE RET                         | TAINING WALL 9 JV-2                   |                 |
|                         | CONC. WALK  BUILDING REFER TO ARCHITECTURAL  O O O LAWN  AREA  O AREA  O AREA  O AREA                                                                                                                                                                             | <u> </u>      | +           |                                          |                                       | - //            |
|                         | (3)CAK PRINTER F.F.E.=6.5±                                                                                                                                                                                                                                        |               |             |                                          | (3)RKO-                               |                 |
|                         | (3)HAA PROP. 26.5'x44' PAVILION REFER TO                                                                                                                                                                                                                          |               |             |                                          |                                       |                 |
|                         | (3)CAR  ARB, TYP.  ARB, TYP.  REFER TO  ARCHITECTURAL PLANS SLAB=6.5±                                                                                                                                                                                             | REFER         | TO ARCHITEC | PRESTAURANT TURAL PLANS                  | (3)JV-2                               | 2               |
|                         | (3)HQ Q (3)HQ (3)HQ                                                                                                                                                                                                                                               |               | WER FLOOR   | EL.=8.0±                                 | -18/11/-3/11                          |                 |
| $\prod_{i=1}^{n} f_{i}$ |                                                                                                                                                                                                                                                                   | $ \cdot  + t$ |             | 100                                      |                                       |                 |

IPROP. 20'x20' PATIO REFER TO ARCH. PLANS

ARO, TYP.

MAIN STREET

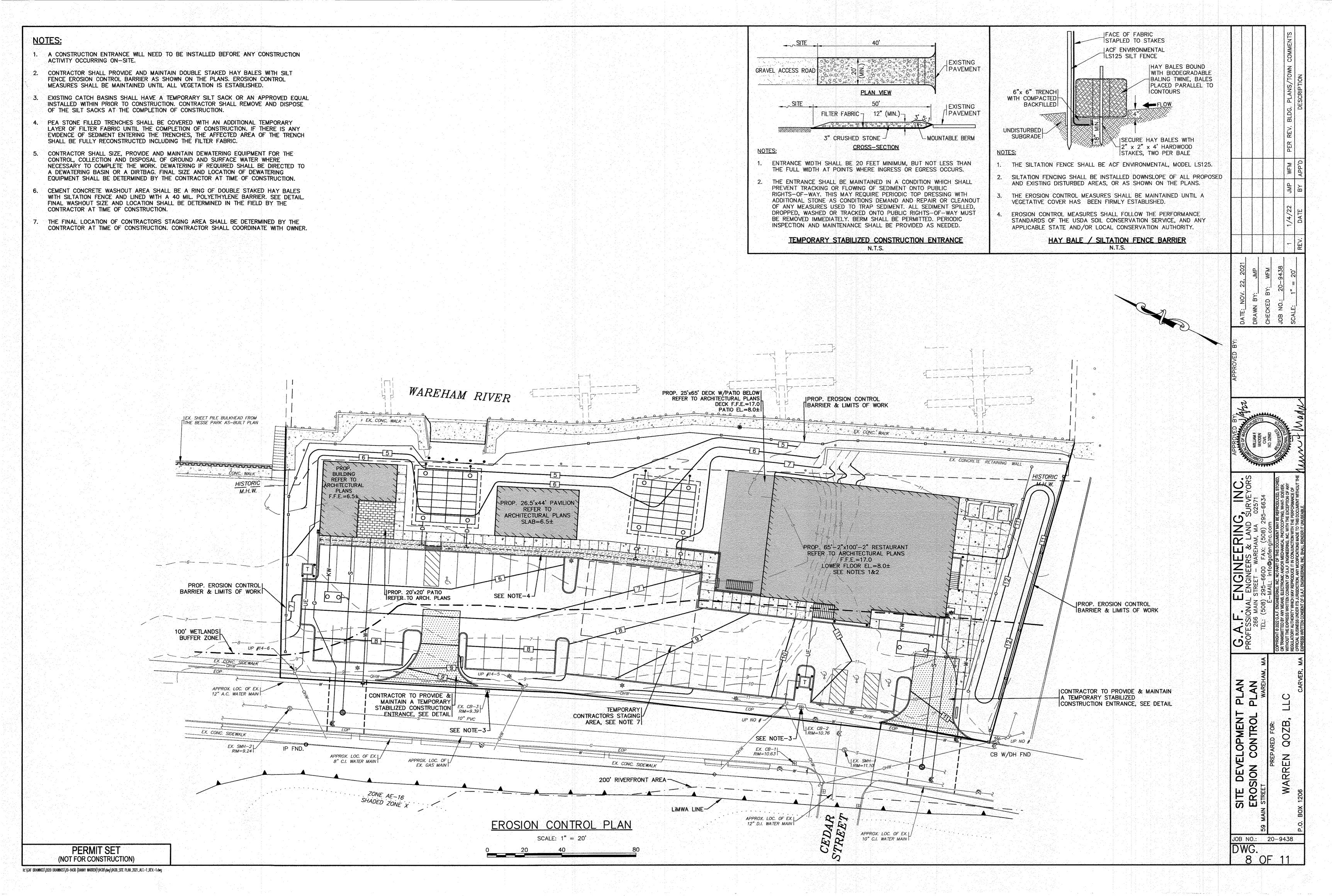
LANDSCAPING PLAN

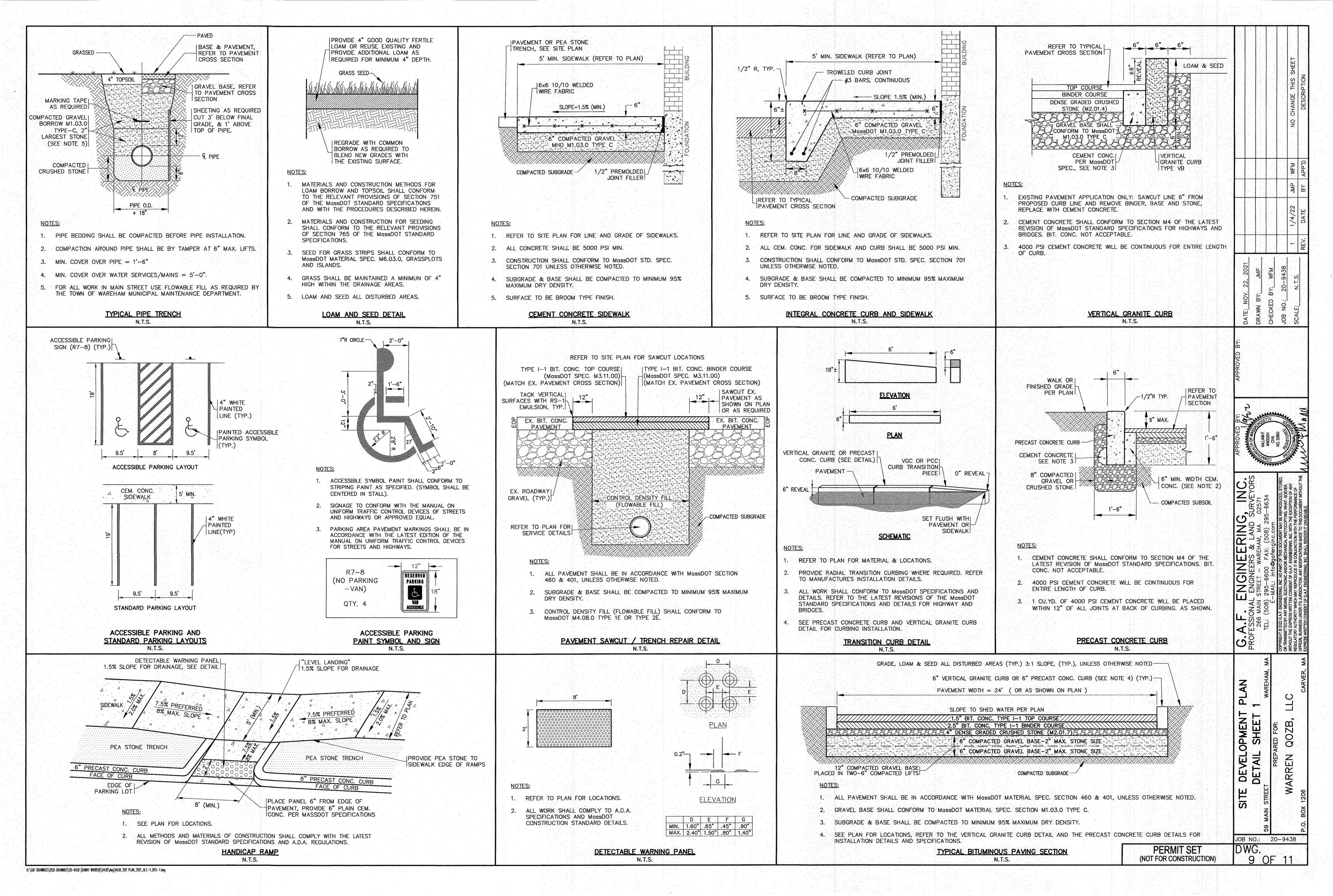
EX. CONC. SIDEWALK

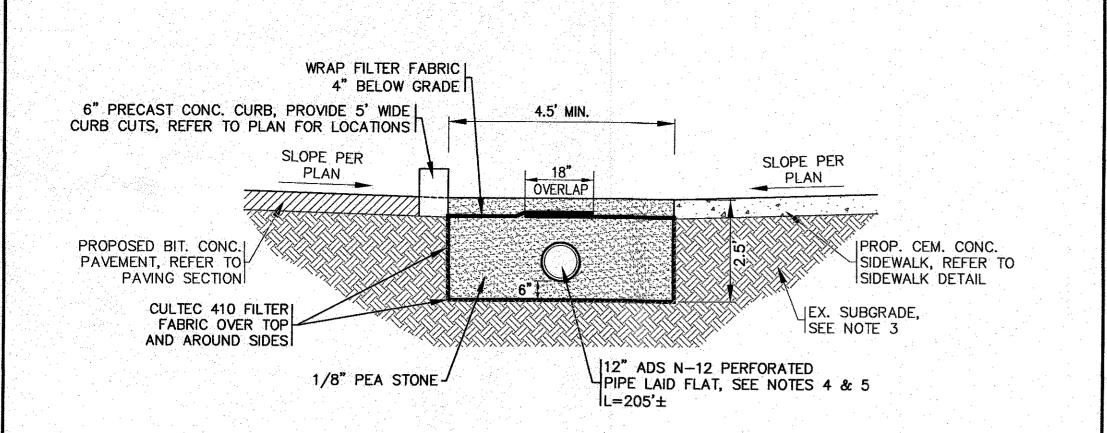
LIMWA LINE-

(5)SJNF-

PERMIT SET



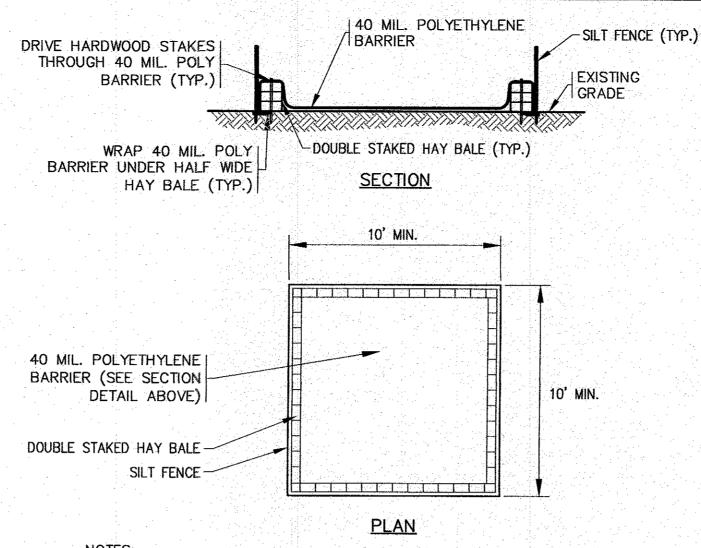




#### NOTES:

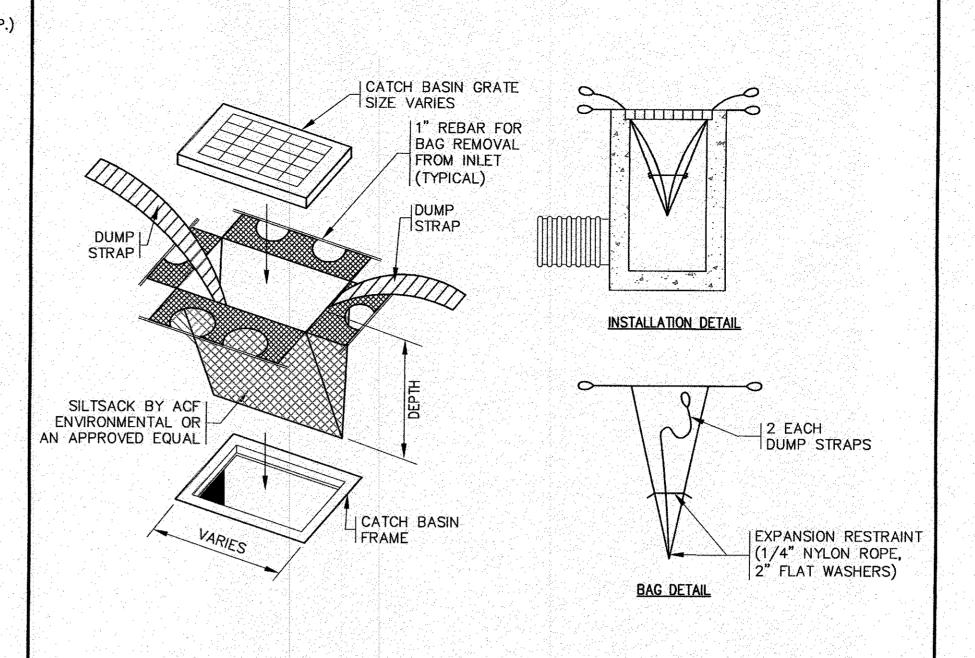
- 1. REFER TO PLAN FOR LOCATIONS.
- 2. COVER PEA STONE TRENCHES WITH AN ADDITIONAL TEMPORARY LAYER OF FILTER FABRIC UNTIL THE COMPLETION OF CONSTRUCTION.
- 3. REMOVE UNSUITABLE SOIL 2' MINIMUM BENEATH AND AROUND ALL SIDES OF THE PROPOSED PEA STONE TRENCH. THIS INCLUDES ORGANICS, TOPSOIL, ROOTS AND OTHER UNSUITABLE SOILS REPLACE WITH CLEAN SAND AND GRAVEL APPROVED BY DESIGN ENGINEER.
- 4. ALL PIPES SHALL HAVE SOIL TIGHT JOINTS AND FITTINGS.
- 5. PIPE PERFORATION PATTERN SHALL BE AASHTO CLASS II.

# PEA STONE TRENCH N.T.S.

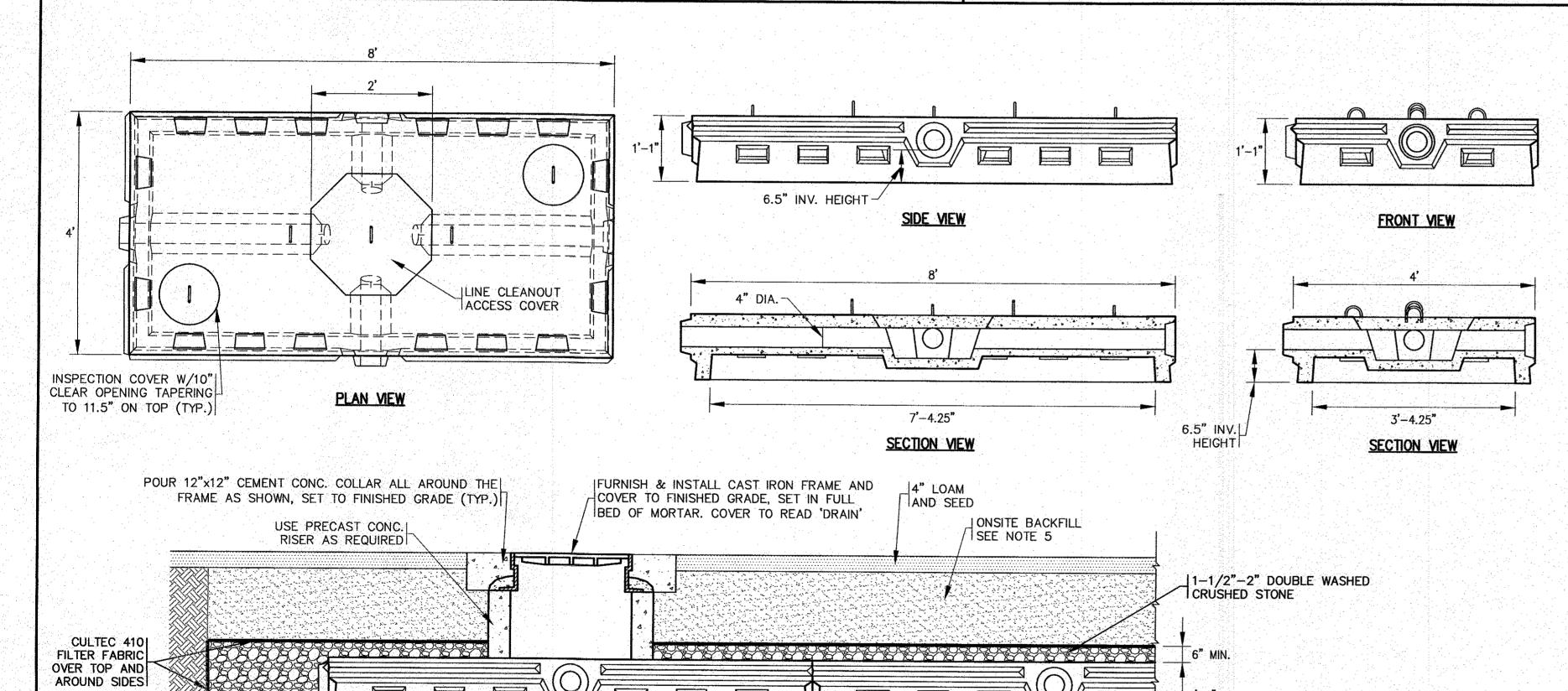


- CONTRACTOR SHALL PROVIDE AND MAINTAIN CONCRETE WASHOUT AREA WHERE NECESSARY TO COMPLETE THE WORK.
- 2. FINAL SIZE AND LOCATION OF CONCRETE WASHOUT SHALL BE FIELD DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION.
- 3. CONTRACTOR SHALL REPAIR OR REPLACE 40 MIL. POLY BARRIER OR STAKED HAY BALES AS REQUIRED.

#### CONCRETE WASHOUT DETAIL N.T.S.



#### SILT SACK DETAIL N.T.S.



## CROSS SECTION

TOP OF STONE

4.4

4.4

EXISTING

SUBGRADE

1-1/2"-2" DOUBLE WASHED CRUSHED STONE

TOP OF CHAMBER

3.9

3.9

BOTTOM OF

CHAMBER

2.8

2.8

## LOW PROFILE FLOW DIFFUSOR NOTES:

- 1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
- 2. DESIGNED FOR HS-20 LOADING.
- CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR INSTALLATION OF INSPECTION AND ACCESS COVERS.
- 4. REFER TO GRADING AND DRAINAGE SHEET FOR FLOW DIFFUSOR INVERTS.
- 5. USE ON SITE BACKFILL OVER CONC. FLOW DIFFUSORS WHERE FLOW DIFFUSORS ARE NOT UNDER PAVEMENT. WHEN FLOW DIFFUSOR CHAMBERS ARE UNDER PAVEMENT REFER TO PAVEMENT CROSS SECTION.
- 6. FILL ANY GAPS BETWEEN FLOW DIFFUSOR CHAMBERS WITH 1-1/2"-2" DOUBLE WASHED CRUSHED STONE.

PERMIT SET (NOT FOR CONSTRUCTION)

LOW PROFILE FLOW DIFFUSOR CHAMBERS N.T.S.

6" NDS POLYOLEFIN POP-UP DRAINAGE EMITTER WITH U.V. INHIBITOR, SEE NOTE 3 6" PVC RISER SECTION, LENGTH VARIES FINISHED GRADE-6" NDS 90" ELBOW WITH 1/4" DRAIN PORT, SEE NOTE 2 16" NDS POLYETHYLENE CORRUGATED ADAPTER COMPACTED SUBGRADE \_6" ADS N-12 SURROUND WITH DRAIN PIPE CULTEC 410 FILTER FABRIC 1/4" DRAIN PORT, 3/4" - 1 1/2" DOUBLE WASHED CRUSHED STONE SEE NOTE 2 1.5'x1.5' (MIN.) STONE FILLED TRENCH CENTERED UNDER DRAIN PORT

- REFER TO SITE PLAN FOR LOCATION.
- 2. INCREASE THE 1/4" DRAIN PORT TO 1" DIA.
- 3. PROTECT THE POP-UP DRAINAGE EMITTER DURING CONSTRUCTION WITH A 12" PERFORATED PIPE PLACE AROUND THE UNIT.
- 4. FOR COMPLETE DETAILS AND INSTALLATION GUIDELINES REFER TO THE MANUFACTURER'S SPECIFICATIONS.

DRAINAGE EMITTER N.T.S.

G.A.F. ENGINEERS & LAND SURVEYORS 266 MAIN STREET - WAREHAM, MA 02571 DEVELOPMENT DETAIL SHEET QOZB, JOB NO.: 20-9438 DWG. 10 OF 11

SYSTEM ELEVATIONS:

DESC./EL.

SYSTEM 1

SYSTEM 2

2' MIN.

BOTTOM OF STONE

1.8

