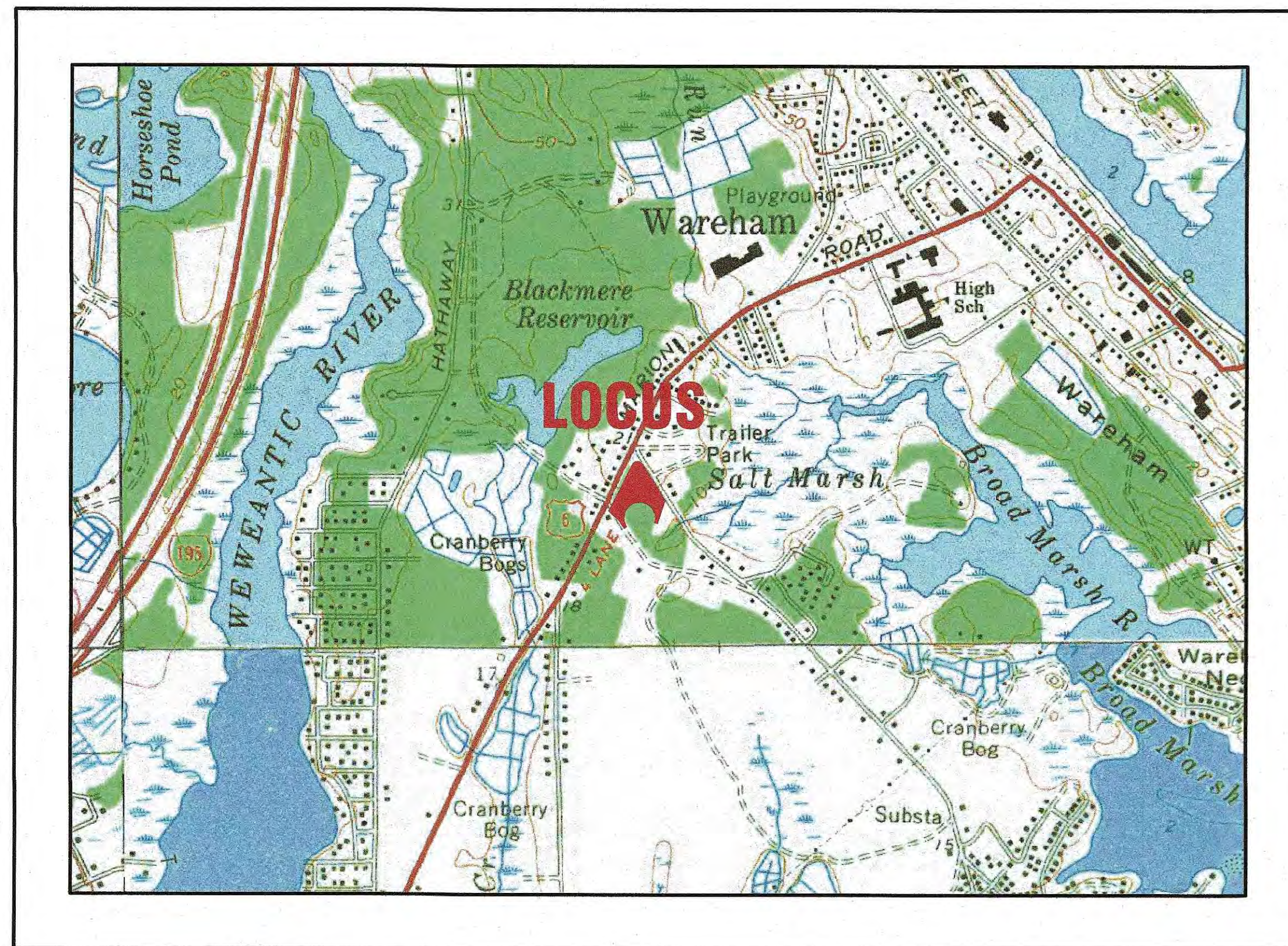


DAMIEN'S FOOD PANTRY

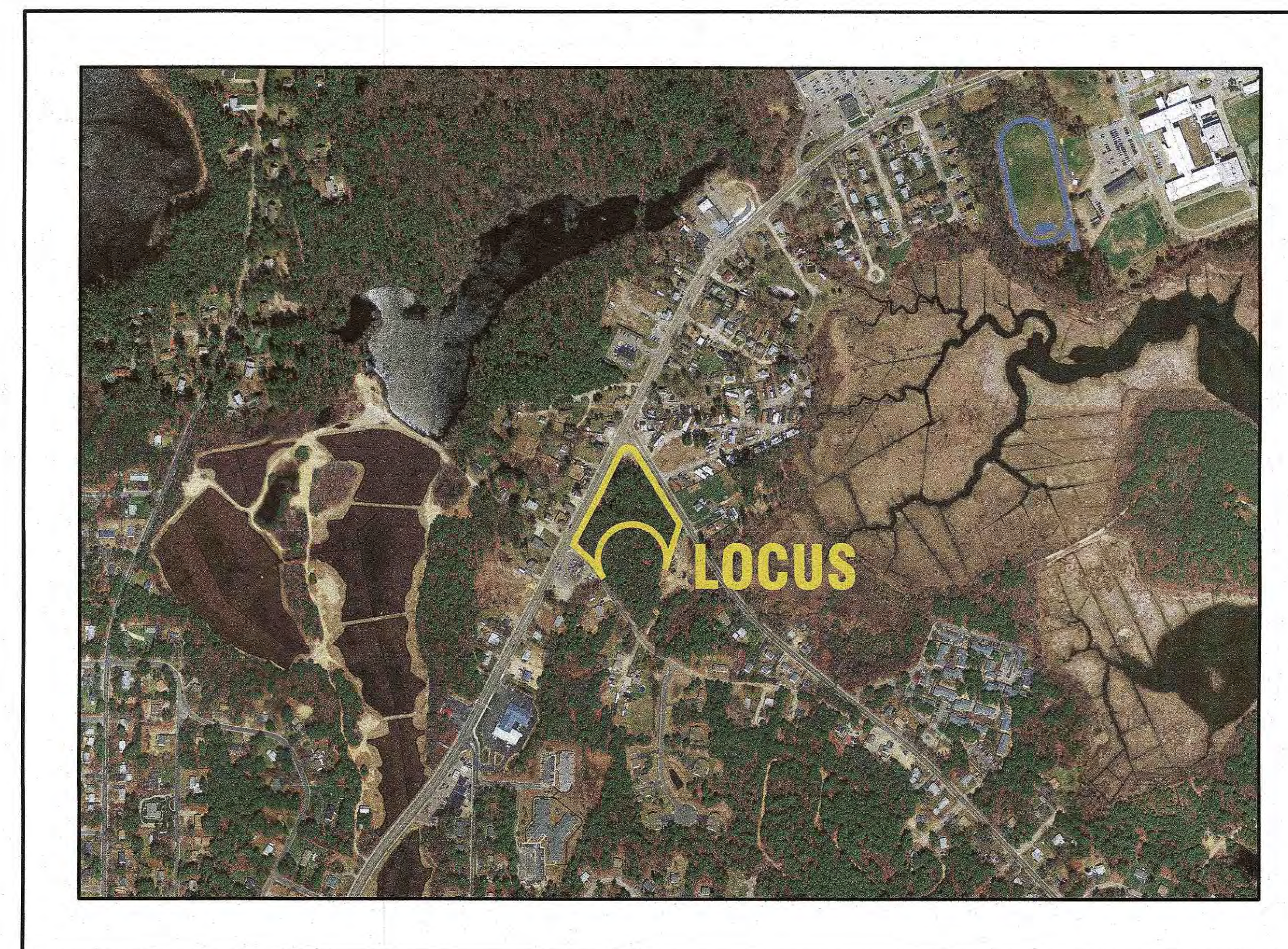
SITE DEVELOPMENT PLAN 242 MARION ROAD WAREHAM, MASSACHUSETTS

OWNER: THE FAMILY PANTRY-DAMIEN'S PLACE CORP.
P.O. BOX 730
WAREHAM, MA 02538

APPLICANT: DAMIEN'S FOOD PANTRY
P.O. BOX 730
WAREHAM, MA 02538



— U.S.G.S. LOCUS PLAN —
SCALE: 1"=1000'



— AERIAL OVERVIEW —
SCALE: 1"=500'

SITE DATA

ZONING DISTRICT: MULTIPLE RESIDENCE 30
ASSESSOR'S MAP: 56
ASSESSOR'S LOT: 1004-B
REQUIRED LOT AREA: 30,000 S.F.
REQUIRED ROAD FRONTAGE: 150'
FRONT SETBACK: 20'
SIDE & REAR SETBACK: 10'
MAX. PRINCIPAL BUILDING HEIGHT: 35'
MAX. BUILDING COVERAGE: 25%
MAX. LOT COVERAGE: NR
WATER SUPPLY: TOWN WATER
SANITARY SEWER: TOWN SEWER
LANDSCAPE BUFFER: 10'

ZONING DATA

ZONING TABLE	ALLOWED	PROPOSED
LOT AREA:	30,000 S.F.	108,040± S.F.
FRONT SETBACK:	20'	86'
SIDE SETBACK:	10'	56.6'
REAR SETBACK:	10'	84.2'
MAX. BUILDING COVERAGE:	25%	4.6%

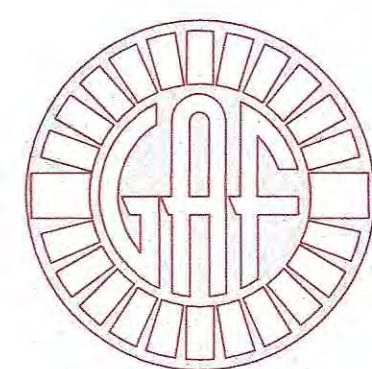
PARKING DATA:

REQUIRED: 1 SPACE PER 300 S.F. G.F.A. (RETAIL)
5,000 S.F./300 S.F. = 17 SPACES
NUMBER OF PARKING SPACES REQUIRED=17
TOTAL PROVIDED=33

PLAN INDEX:

SHEET NO.	DESCRIPTION:
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	SITE OVERVIEW PLAN
4	EX. CONDITIONS
5	LAYOUT & UTILITIES
6	GRADING & DRAINAGE
7	EROSION CONTROL PLAN
8	LANDSCAPING PLAN
9	DETAIL SHEET 1
10	DETAIL SHEET 2
11	DETAIL SHEET 3
12	FIRE TRUCK ACCESS PLAN

FLOOD ZONE DATA:
THE PROJECT IS WITHIN FLOOD ZONE X & SHADED ZONE X. REFER TO THE F.E.M.A. FLOOD INSURANCE RATE MAP PANEL NUMBER 25023C0488K, DATED: JULY 7, 2021.



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

AUGUST 4, 2022

PERMIT SET
(NOT FOR CONSTRUCTION)

DATE: AUGUST 4, 2022	DATE: 11/8/22	DATE: 11/2/22	DATE:
DRAWN BY: JMP	REV. BY: JMP	REV. BY: WFM	REV. BY: APP'D
CHECKED BY: WFM	NO CHANGES THIS SHEET	PER PEER REVIEW COMMENTS	DESCRIPTION
JOB NO.: 22-9838	2	1	
SCALE: AS NOTED	1		

APPROVED BY: *W. Murphy*

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SITE DEVELOPMENT PLAN
COVER SHEET
WAREHAM, MA

PREPARED FOR:
DAMIEN'S FOOD PANTRY
P.O. BOX 730
WAREHAM, MA

JOB NO.: 22-9838
DWG. 1 OF 12

GENERAL NOTES:

- 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 INACURATELY SHOWN.
- EXISTING CONDITIONS INFORMATION IS BASED ON ACTUAL FIELD SURVEY, PRIVATE UTILITY PLANS, AND OTHER AVAILABLE SOURCES. ACTUAL FIELD SURVEY WAS PERFORMED BY G.A.F. ENGINEERING, INC. ON VARIOUS DATES AND MOST RECENTLY IN APRIL OF 2022.
- 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.
- THE CONTRACTOR SHALL FIELD VERIFY, PRIOR TO CONSTRUCTION ALL EXISTING UNDERGROUND UTILITY LOCATIONS AND POINTS OF INTERCONNECTION.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER OF ANY CONFLICTS DISCOVERED IN THE FIELD.
- ANY CHANGES TO THESE 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.
- 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.
- THE CONTRACTOR WILL ALSO NEED TO COMPLY TO FINAL CURB CUT DESIGN AND ANY CONDITIONS ISSUED FOR THE CURB CUT PERMIT THAT WILL BE ISSUED BY MassDOT. CONTRACTOR SHALL COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES:

- IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING, CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.
- 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 INACURATELY SHOWN.
- 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.
- 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.
- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THIS WORK.
- ALL PAVEMENT MARKINGS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS PART OF THIS WORK.
- 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 OR NIGHT.
- ELEVATIONS ARE IN FEET AND TENTHS AND ARE BASED ON THE DATUM OF NAVD-88.
- SIDE SLOPE GRADING SHALL BE AS NOTED ON THE SITE PLANS.
- 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.
- ALL SEWER AND PLUMBING WORK SHALL CONFORM WITH 248 CMR 10.00 UNIFORM STATE PLUMBING CODE AND THE TOWN OF WAREHAM SEWER DEPARTMENTS SPECIFICATIONS.
- ALL METHODS AND MATERIALS SHALL CONFORM WITH MassDOT STANDARDS AND SPECIFICATIONS, AND THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT.
- ALL UTILITY INSTALLATIONS SHALL BE IN CONFORMANCE WITH ALL APPLICABLE TOWN, STATE AND FEDERAL REQUIREMENTS & REGULATIONS.
- DEWATERING IF REQUIRED SHALL BE DIRECTED TO A 15'x15' 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.
- SPRINKLE OR APPLY DUST SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

PERMIT SET
(NOT FOR CONSTRUCTION)

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 AND WHERE SHOWN ON THE PLAN.
- ALL EXISTING CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK INSTALLED IN THEM PRIOR TO CONSTRUCTION. ALL PROPOSED CATCH BASINS SHALL HAVE TEMPORARY SILT SACKS INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET. CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM AT THE COMPLETION OF CONSTRUCTION. ALL EXISTING AND PROPOSED 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.
- THE SEDIMENT FOREBAYS AND DRAINAGE 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.
- 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).
- STONE SPLASH PADS AT PIPE ENDS SHALL BE CLEANED FOUR TIMES PER YEAR AND INSPECTED MONTHLY, ADD STONE IF NECESSARY. ALL SEDIMENTS AND HYDROCARBONS SHOULD BE REMOVED AND DISPOSED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- SEDIMENT FOREBAY IS AN EXCAVATED PIT, BERMED AREA DESIGNED TO SLOW INCOMING STORMWATER RUNOFF AND FACILITATING THE GRAVITY SEPARATION OF SUSPENDED SOLIDS. SEDIMENT FOREBAYS SHALL BE INSPECTED MONTHLY AND CLEANED OUT AT LEAST FOUR (4) TIMES PER YEAR. WHEN MOWING GRASSES, KEEP THE GRASS HEIGHT NO GREATER THAN SIX (6) INCHES. SET MOWER BLADES NO LOWER THAN THREE (3) INCHES. CHECK FOR SIGNS OF RILLING AND GULLYING AND REPAIR AS NEEDED. AFTER REMOVING SEDIMENT, REPLACE ANY VEGETATION DAMAGED DURING THE CLEAN-OUT BY EITHER RESEEDING OR RESODDING. WHEN RESEEDING, INCORPORATE PRACTICES SUCH AS HYDROSEEDING WITH A TACKIFIER, BLANKET OR SIMILAR PRACTICE TO ENSURE THAT NO SCOUR OCCURS IN THE FOREBAY, WHILE THE SEEDS GERMINATE AND DEVELOP ROOTS.
- DRAINAGE BASIN AREAS SHALL BE INSPECTED AT LEAST FOUR TIMES PER YEAR TO ENSURE THE BASINS ARE OPERATING AS INTENDED. ALSO INSPECT THE BASINS DURING AND AFTER MAJOR STORM EVENTS TO DETERMINE IF THE BASINS ARE MEETING THE EXPECTED DETENTION TIMES. EXAMINE THE OUTLET STRUCTURE FOR EVIDENCE OF CLOGGING OR OUTFLOW RELEASE VELOCITIES GREATER THAN THE DESIGN FLOW. POTENTIAL PROBLEMS THAT SHALL BE CHECKED INCLUDE: SUBSIDENCE, EROSION, CRACKING OR TREE GROWTH ON THE EMBANKMENT; DAMAGE TO THE EMERGENCY SPILLWAY; SEDIMENT ACCUMULATION AROUND THE OUTLET; INADEQUACY OF THE INLET/OUTLET CHANNEL EROSION CONTROL MEASURES; CHANGES IN THE CONDITION OF THE PILOT CHANNEL; AND EROSION WITHIN THE BASIN AND BANKS. MAKE ANY NECESSARY REPAIRS IMMEDIATELY. MOW THE UPPER-STAGE, SIDE SLOPES AND EMBANKMENTS AT LEAST TWICE PER YEAR. REMOVE SEDIMENT AS NECESSARY, BUT AT LEAST ONCE EVERY FIVE YEARS. SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

DRAINAGE INSTALLATION NOTES:

- 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 6" ADS N-12 PIPE WITH SOIL TIGHT JOINTS AND FITTINGS. MINIMUM SLOPE TO BE 1.00% REFER TO PLAN FOR LOCATIONS.
- MINIMUM COVER ON PIPES SHALL NOT BE LESS THAN 1.5 FEET.
- ALL PERFORATED PIPE SHALL BE ADS HDPE PIPE WITH AASHTO CLASS II PERFORATION PATTERN.
- ALL WORK AND MATERIAL SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT.

DEMOLITION NOTES:

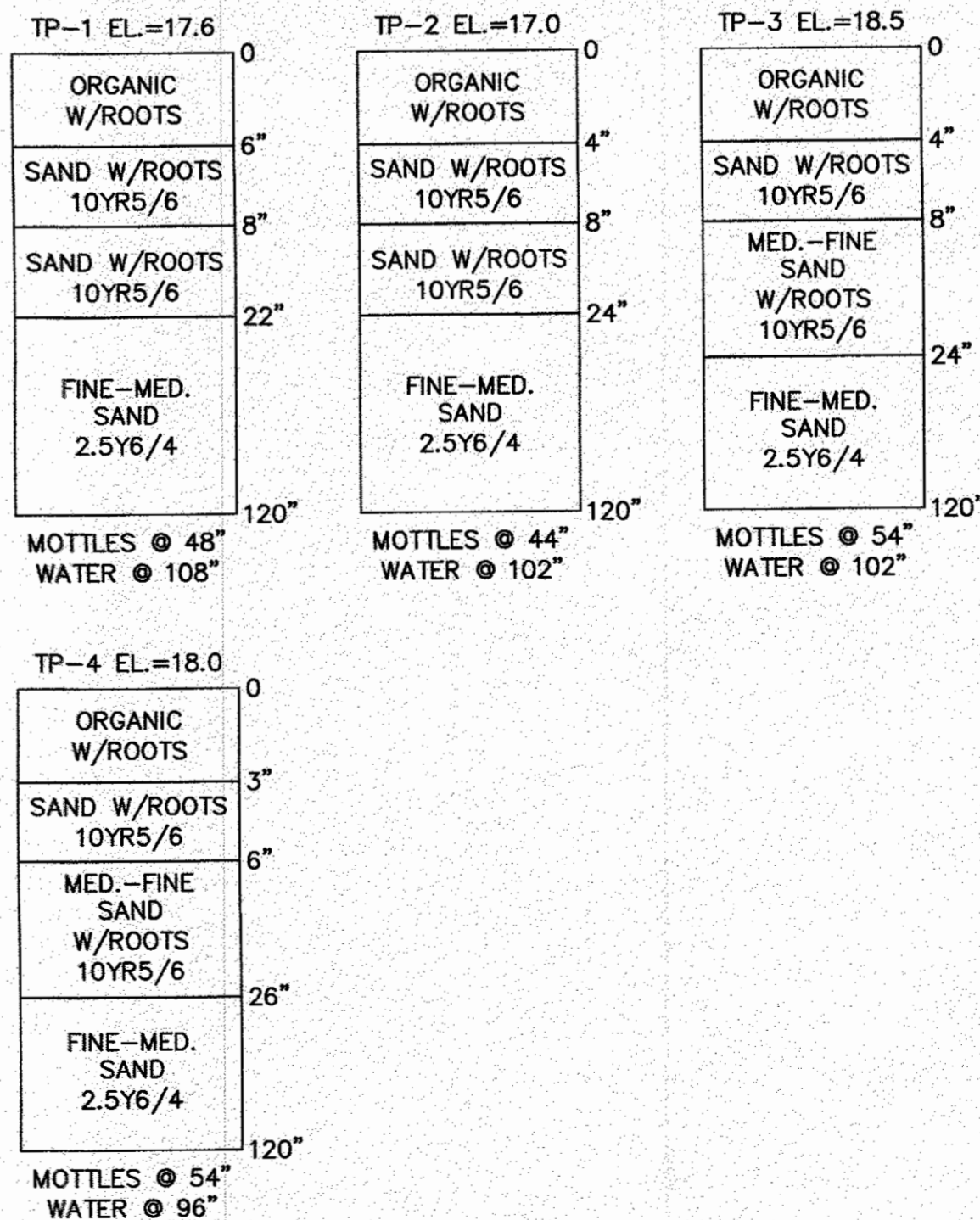
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIS/HER OWN DETERMINATION OF SUBSURFACE CONDITIONS, INCLUDING THE LOCATION OF ROCK AND THE ACTUAL LOCATION OF UTILITIES OR OTHER FEATURES WHICH MAY AFFECT HIS/HER WORK. ANY UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION WILL BE REPORTED TO THE ENGINEER OF RECORD FOR RESOLUTION AND CONSTRUCTION METHOD.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND APPURTENANCES, 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.
- 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.
- PROVIDE TWO (2) COPIES OF PROPOSED METHODS AND OPERATIONS OF DEMOLITION TO THE OWNER AND ENGINEER FOR REVIEW PRIOR TO THE START OF WORK. INCLUDE IN THE SCHEDULE THE COORDINATION FOR SHUTOFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
- PROVIDE A DETAILED SEQUENCE OF WORK TO THE DESIGN ENGINEER AND THE OWNER FOR DEMOLITION AND REMOVAL WORK TO ENSURE THE UNINTERRUPTED PROGRESS OF THE OWNER'S OPERATIONS.
- ENSURE THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES AND PERSONS.
- PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING, OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN.
- THE CONTRACTOR SHALL PROMPTLY REPAIR DAMAGES CAUSED BY DEMOLITION OPERATIONS TO ADJACENT FACILITIES AT NO COST TO THE OWNER.

WATER INSTALLATION NOTES:

- ALL WATER MAINS, SERVICES, GATE VALVES/GATE BOX, CURB STOPS, HYDRANTS, FITTINGS, ETC. & METHOD OF INSTALLATION SHALL CONFORM TO THE WAREHAM FIRE DISTRICT RULES & REGULATIONS.
- WATER SERVICE SHALL BE FLUSHED TESTED & DISINFECTED IN ACCORDANCE WITH THE WAREHAM FIRE DISTRICT REQUIREMENTS.
- CONTRACTOR TO COORDINATE WITH THE WAREHAM FIRE DISTRICT FOR THE INSPECTIONS OF THE WATER MAIN INSTALLATION.
- 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 WAREHAM FIRE DISTRICT BEFORE PROCEEDING WITH THE INSTALLATION OF THE WATER SERVICE.

TEST PIT DATA

DATE OF TESTING: JUNE 21, 2022
PERFORMED BY: BRIAN GRADY, G.A.F. ENGINEERING INC.
REFER TO EXISTING CONDITIONS PLAN FOR TEST PIT LOCATIONS



NOTE:
WHERE REQUIRED THE CONTRACTOR TO REMOVE ALL UNSUITABLE SOILS AND REPLACE WITH CLEAN SAND AND GRAVEL APPROVED BY DESIGN ENGINEER. SEE PLANS FOR DEPTHS AND LOCATIONS.

ABBREVIATIONS

AC	ASBESTIC CONCRETE
ADS	ADVANCED DRAINAGE SYSTEM
APPROX.	APPROXIMATE
BC	BOTTOM OF CURB
BIT. CONC.	BITUMINOUS CONCRETE
BLDRS	BOULDERS
BW	BOTTOM OF WALL
BWV	BORDERING VEGETATED WETLANDS
CB	CATCH BASIN
CB/DH	CONCRETE BOUND/DRILL HOLE
CCB	CAPE COD BERM
CEM.	CEMENT
C.I.	CAST IRON
C.C.	CONCRETE
C.O.	CLEAN OUT
C.L.D.I.	CEMENT LINED DUCTILE IRON
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
DIA	DIAMETER
DMH	DRAIN MANHOLE
D.I.	DUCTILE IRON
DOS	DRAINAGE CONTROL STRUCTURE
E	ELECTRIC
ELEV./EL.	ELEVATION
EOP	EDGE OF PAVEMENT
EX.	EXISTING
F.D.C.	FIRE DEPARTMENT CONNECTION
F.E.S.	FLARED END SECTION
F.F.E.	FINISHED FLOOR ELEVATION
FOUND.	FOUNDATION
FP	FIRE PROTECTION
G	GAS
GG/GV	GAS GATE, GAS VALVE
H.C.	HANDICAP PARKING
H.D.P.E.	HIGH DENSITY POLYETHYLENE
H.P.	HIGH POINT
HYD	HYDRANT
INV.	INVERT
L.P.	LOW POINT
MAX	MAXIMUM
MED	MEDIUM
MIN.	MINIMUM
N.T.S.	NOT TO SCALE
N/F	NOW OR FORMERLY
OW	OVERHEAD WIRE
PCC	PRECAST CONCRETE CURBING
PVC	POLYVINYL CHLORIDE PIPE
PROP.	PROPOSED
PWW	PAVED WATERWAY
RCP	REINFORCED CONCRETE PIPING
R	RADIUS
R&D	REMOVE AND DISPOSE
R&S	REMOVE AND STOCK
SB/DH	STONE BOUND/DRILL HOLE
S	SEWER
SGC	SLOPED GRANITE CURBING
SMH	SEWER MANHOLE
STA	STATION
TC	TOP OF CURB
TW	TOP OF WALL
TY.	TYPICAL
T/O/F	TOP OF FOUNDATION
UP	UTILITY POLE
UE	UNDERGROUND ELECTRIC
VGC	VERTICAL GRANITE CURB
W	WATER
WG/WV	WATER GATE, WATER VALVE
WOS	WATER QUALITY STRUCTURE
WQ CB	WATER QUALITY CAYCH BASIN

APPROVED BY: DATE: AUGUST 4, 2022

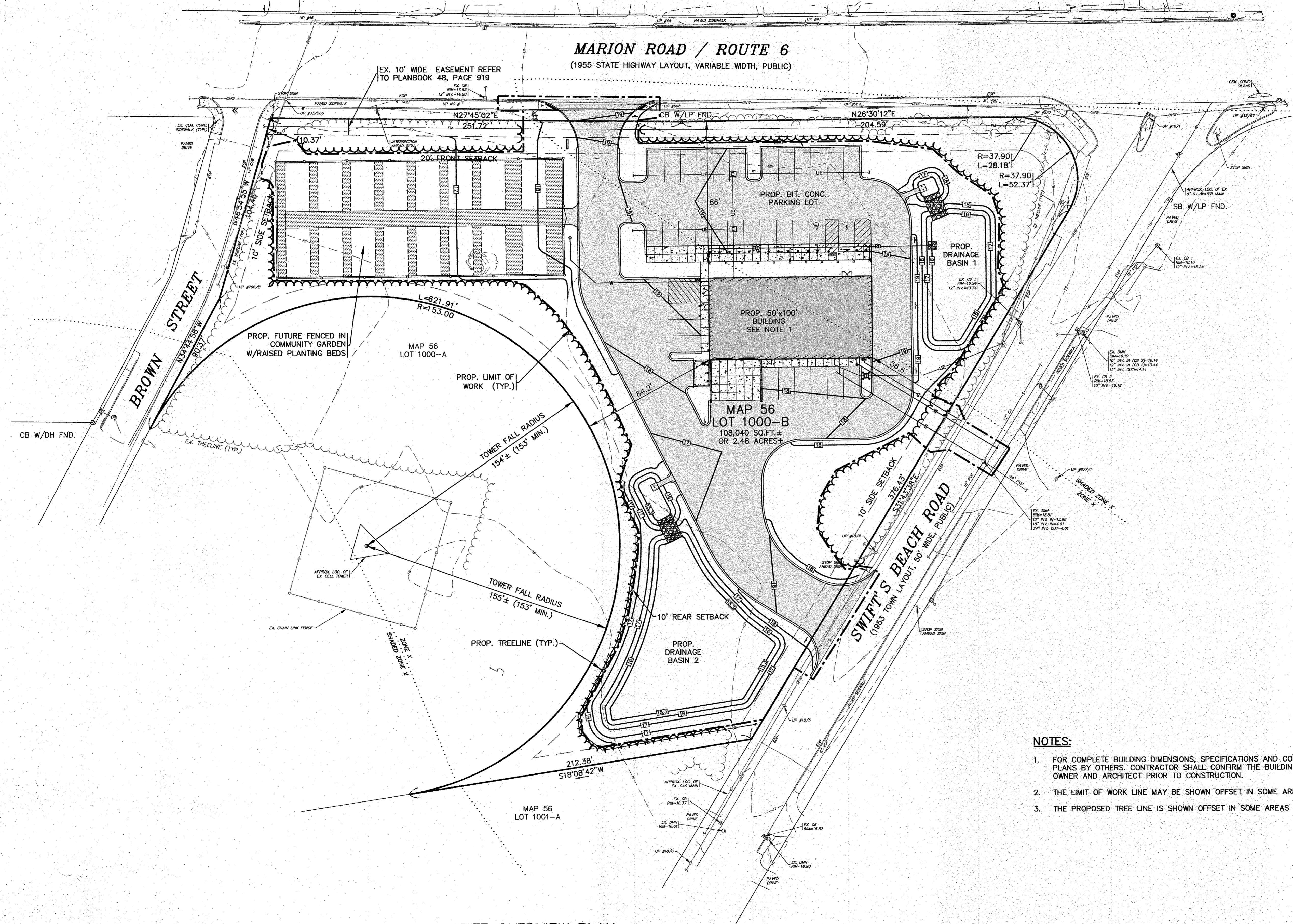
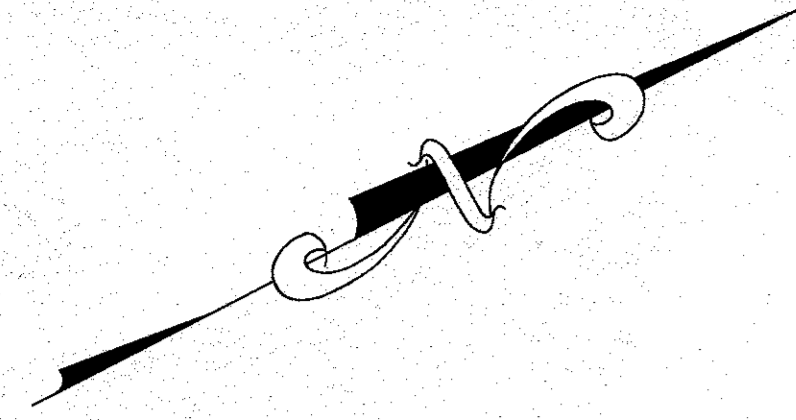
DRAWN BY: JMP
CHECKED BY: WFM
JOB NO.: 22-9838
SCALE: N.T.S.



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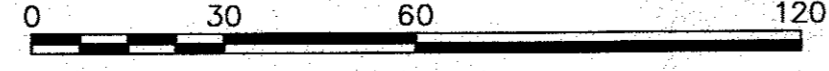
SITE DEVELOPMENT PLAN
GENERAL NOTES & LEGEND
WAREHAM, MA
PREPARED FOR:
DAMIEN'S FOOD PANTRY
WAREHAM, MA
P.O. BOX 730

JOB NO.: 22-9838
DWG.
2 OF 12



SITE OVERVIEW PLAN

SCALE: 1"=30'



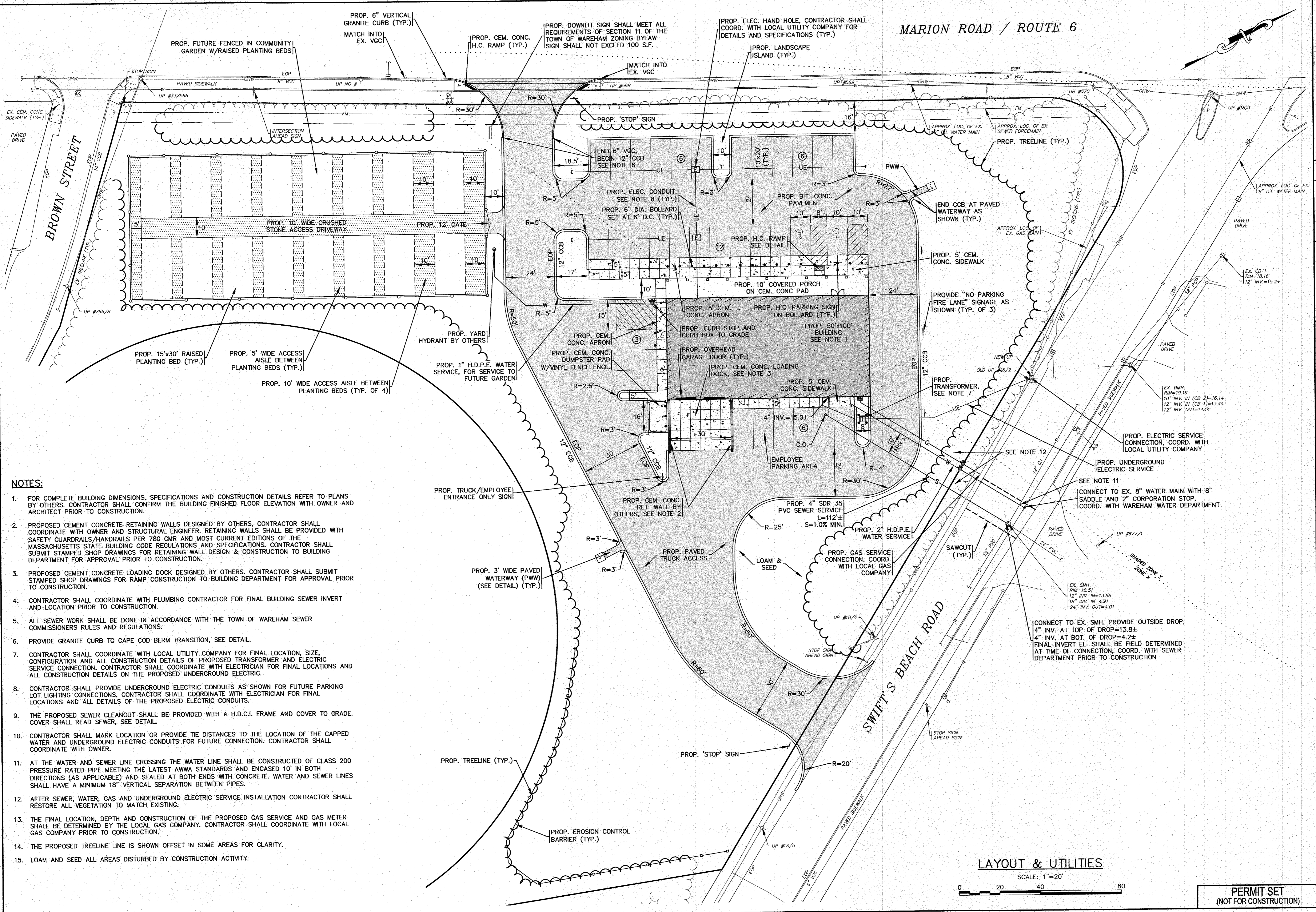
NOTES:

1. FOR COMPLETE BUILDING DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS REFER TO PLANS BY OTHERS. CONTRACTOR SHALL CONFIRM THE BUILDING FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
2. THE LIMIT OF WORK LINE MAY BE SHOWN OFFSET IN SOME AREAS FOR CLARITY.
3. THE PROPOSED TREE LINE IS SHOWN OFFSET IN SOME AREAS FOR CLARITY.

**PERMIT SET
(NOT FOR CONSTRUCTION)**

H:\GAF DRAWINGS\2022 DRAWINGS\22-9838 (BOX BECS)\9838.dwg\9838_SITE PLAN_REV_2.dwg

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	APPROVED BY: WILLIAM MADDEN CIVIL ENGINEER NO. 106389	DATE: AUGUST 4, 2022
		DRAWN BY: JMP CHECKED BY: WFM JOB NO.: 22-9838 SCALE: 1" = 30'
PREPARED FOR: DAMIEN'S FOOD PANTRY 242 MARION ROAD WAREHAM, MA P.O. BOX 730	APPROVED BY: WILLIAM MADDEN CIVIL ENGINEER NO. 106389	DATE: 11/18/22 REV. DATE: 11/22/22
SITE DEVELOPMENT PLAN SITE OVERVIEW PLAN	REV. LIMIT OF WORK LINE, GRADING PER PEER REVIEW COMMENTS	BY: WFM APP'D: WFM
DWG. 3 OF 12	JOB NO.: 22-9838	REV. DATE: 11/22/22



MARION ROAD / ROUTE 6

- NOTES:**
- FOR COMPLETE BUILDING DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS REFER TO PLANS BY OTHERS. CONTRACTOR SHALL CONFIRM THE BUILDING FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
 - PROPOSED CEMENT CONCRETE RETAINING WALLS DESIGNED BY OTHERS. CONTRACTOR SHALL COORDINATE WITH OWNER AND STRUCTURAL ENGINEER. RETAINING WALLS SHALL BE PROVIDED WITH SAFETY GUARDRAILS/HANDRAILS PER 780 CMR AND MOST CURRENT EDITIONS OF THE MASSACHUSETTS STATE BUILDING CODE REGULATIONS AND SPECIFICATIONS. CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS FOR RETAINING WALL DESIGN & CONSTRUCTION TO BUILDING DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
 - PROPOSED CEMENT CONCRETE LOADING DOCK DESIGNED BY OTHERS. CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS FOR RAMP CONSTRUCTION TO BUILDING DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR FINAL BUILDING SEWER INVERT AND LOCATION PRIOR TO CONSTRUCTION.
 - ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS.
 - PROVIDE GRANITE CURB TO CAPE COD BERM TRANSITION, SEE DETAIL.
 - CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE, CONFIGURATION AND ALL CONSTRUCTION DETAILS OF PROPOSED TRANSFORMER AND ELECTRIC SERVICE CONNECTION. CONTRACTOR SHALL COORDINATE WITH ELECTRICIAN FOR FINAL LOCATIONS AND ALL CONSTRUCTION DETAILS ON THE PROPOSED UNDERGROUND ELECTRIC.
 - CONTRACTOR SHALL PROVIDE UNDERGROUND ELECTRIC CONDUITS AS SHOWN FOR FUTURE PARKING LOT LIGHTING CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH ELECTRICIAN FOR FINAL LOCATIONS AND ALL DETAILS OF THE PROPOSED ELECTRIC CONDUITS.
 - THE PROPOSED SEWER CLEANOUT SHALL BE PROVIDED WITH A H.D.C.I. FRAME AND COVER TO GRADE. COVER SHALL READ SEWER, SEE DETAIL.
 - CONTRACTOR SHALL MARK LOCATION OR PROVIDE TIE DISTANCES TO THE LOCATION OF THE CAPPED WATER AND UNDERGROUND ELECTRIC CONDUITS FOR FUTURE CONNECTION. CONTRACTOR SHALL COORDINATE WITH OWNER.
 - AT THE WATER AND SEWER LINE CROSSING THE WATER LINE SHALL BE CONSTRUCTED OF CLASS 200 PRESSURE RATED PIPE MEETING THE LATEST AWWA STANDARDS AND ENCASED 10' IN BOTH DIRECTIONS (AS APPLICABLE) AND SEALED AT BOTH ENDS WITH CONCRETE. WATER AND SEWER LINES SHALL HAVE A MINIMUM 18" VERTICAL SEPARATION BETWEEN PIPES.
 - AFTER SEWER, WATER, GAS AND UNDERGROUND ELECTRIC SERVICE INSTALLATION CONTRACTOR SHALL RESTORE ALL VEGETATION TO MATCH EXISTING.
 - THE FINAL LOCATION, DEPTH AND CONSTRUCTION OF THE PROPOSED GAS SERVICE AND GAS METER SHALL BE DETERMINED BY THE LOCAL GAS COMPANY. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS COMPANY PRIOR TO CONSTRUCTION.
 - THE PROPOSED TREELINE LINE IS SHOWN OFFSET IN SOME AREAS FOR CLARITY.
 - LOAM AND SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY.

LAYOUT & UTILITIES

SCALE: 1"=20'



DATE: AUGUST 4, 2022		DRAWN BY: JMP		NO CHANGES THIS SHEET	
CHECKED BY: WFM		JOB NO.: 22-9838		PER PEER REVIEW COMMENTS	
APPROVED BY: [Signature]		SCALE: 1" = 20'		DATE BY APPD	
DATE: 11/8/22		JOB NO.: 22-9838		REV. DATE BY APPD	
DATE: 11/2/22		JOB NO.: 22-9838		REV. DATE BY APPD	

APPROVED BY: [Signature]

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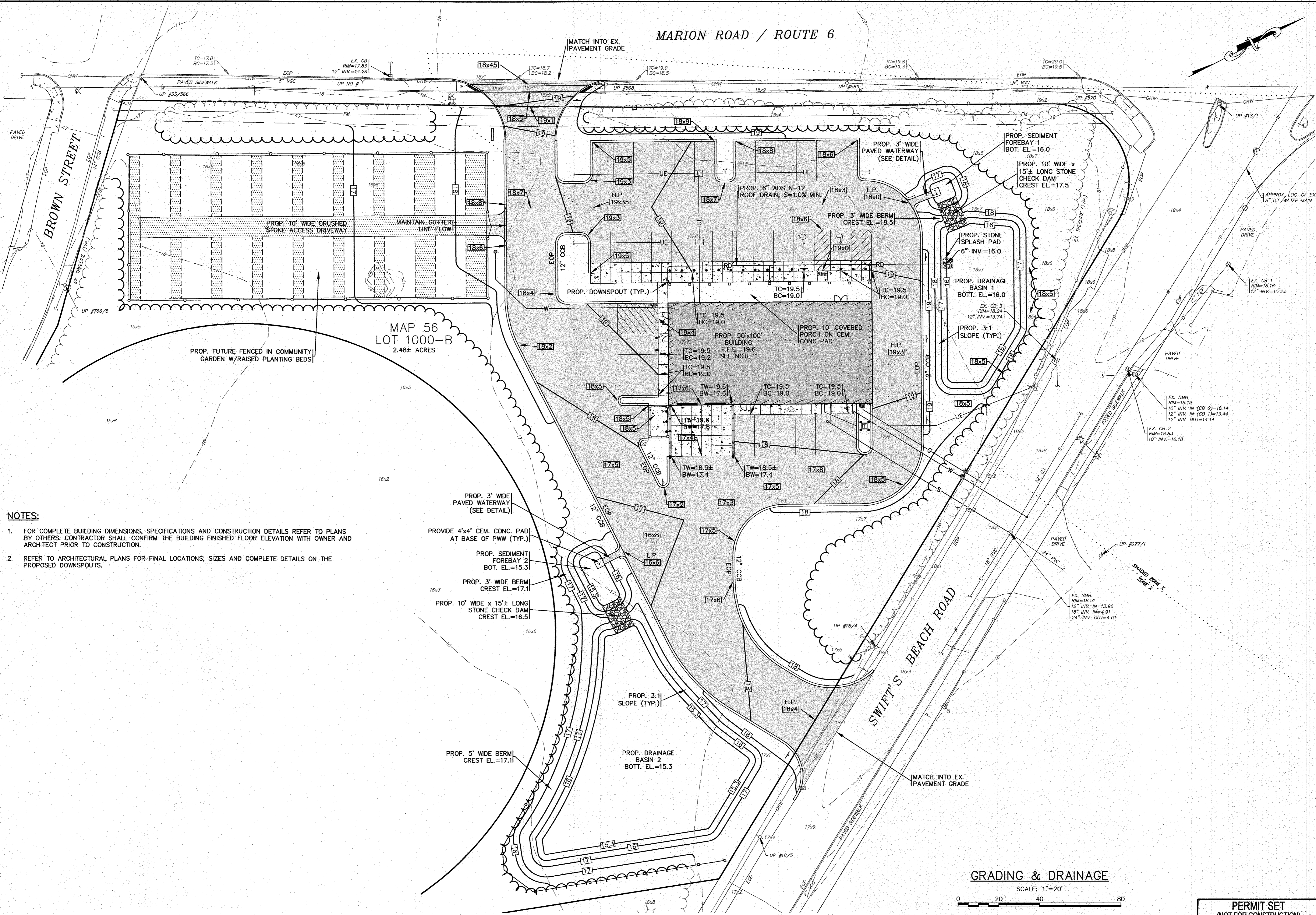
SITE DEVELOPMENT PLAN
LAYOUT & UTILITIES
WAREHAM, MA

PREPARED FOR:
DAMIEN'S FOOD PANTRY
WAREHAM, MA
P.O. BOX 730

JOB NO.: 22-9838
DWG. 5 OF 12

PERMIT SET (NOT FOR CONSTRUCTION)

MARION ROAD / ROUTE 6

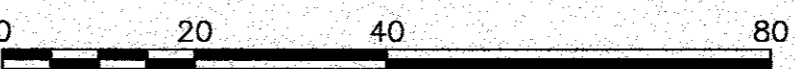


- NOTES:**
- FOR COMPLETE BUILDING DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS REFER TO PLANS BY OTHERS. CONTRACTOR SHALL CONFIRM THE BUILDING FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
 - REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATIONS, SIZES AND COMPLETE DETAILS ON THE PROPOSED DOWNSPOUTS.

- PROP. 3' WIDE PAVED WATERWAY (SEE DETAIL)
- PROVIDE 4'x4' CEM. CONC. PAD AT BASE OF PWW (TYP.)
- PROP. SEDIMENT FOREBAY 2 BOT. EL.=15.3
- PROP. 3' WIDE BERM CREST EL.=17.1
- PROP. 10' WIDE x 15'± LONG STONE CHECK DAM CREST EL.=16.5
- PROP. 3:1 SLOPE (TYP.)
- PROP. 5' WIDE BERM CREST EL.=17.1
- PROP. DRAINAGE BASIN 2 BOT. EL.=15.3

GRADING & DRAINAGE

SCALE: 1"=20'



DATE: AUGUST 4, 2022	DATE: AUGUST 4, 2022	DATE: AUGUST 4, 2022	DATE: AUGUST 4, 2022
DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.
CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.
JOB NO.: 22-9838	JOB NO.: 22-9838	JOB NO.: 22-9838	JOB NO.: 22-9838
SCALE: 1" = 20'	SCALE: 1" = 20'	SCALE: 1" = 20'	SCALE: 1" = 20'
REV.	DATE	BY	DESCRIPTION
2	11/9/22	J.M.P.	REV. GRADING
1	11/2/22	J.M.P.	PER PEER REVIEW COMMENTS

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SITE DEVELOPMENT PLAN
GRADING & DRAINAGE
 WAREHAM, MA

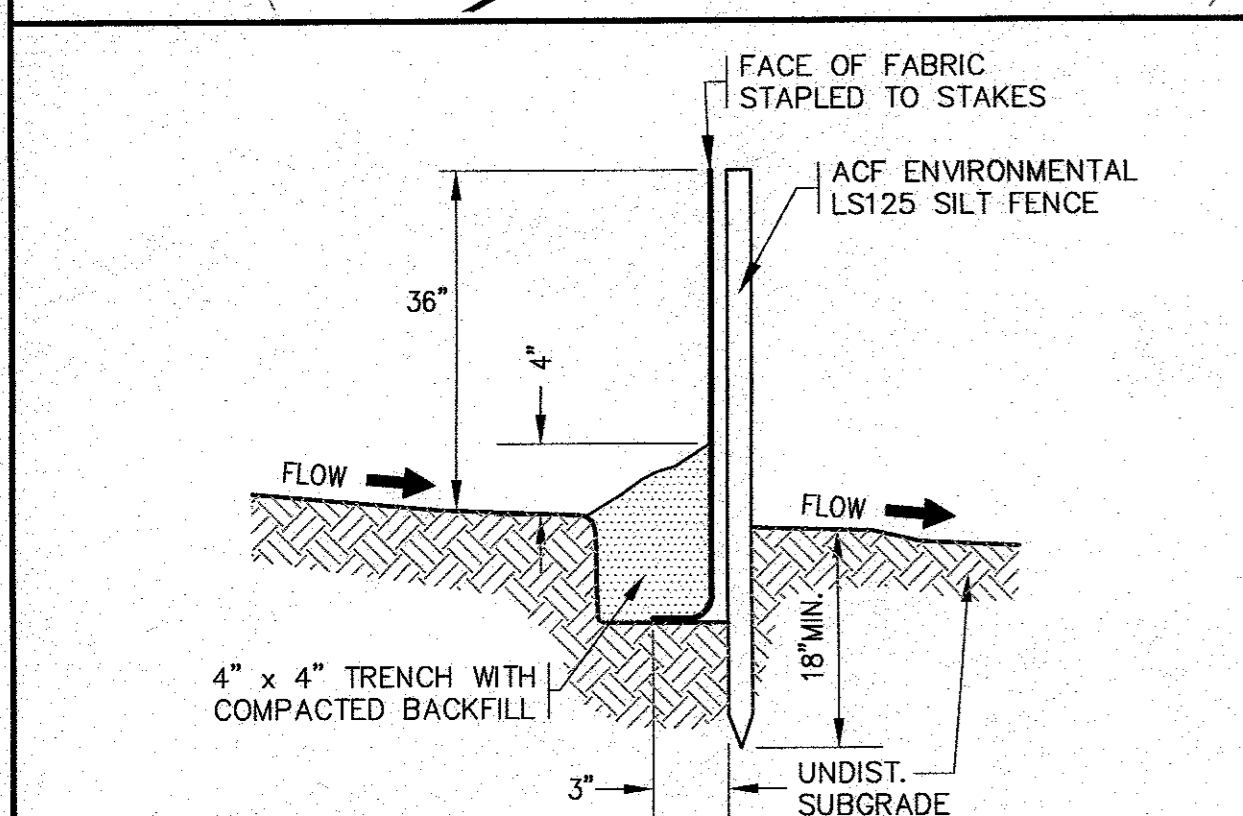
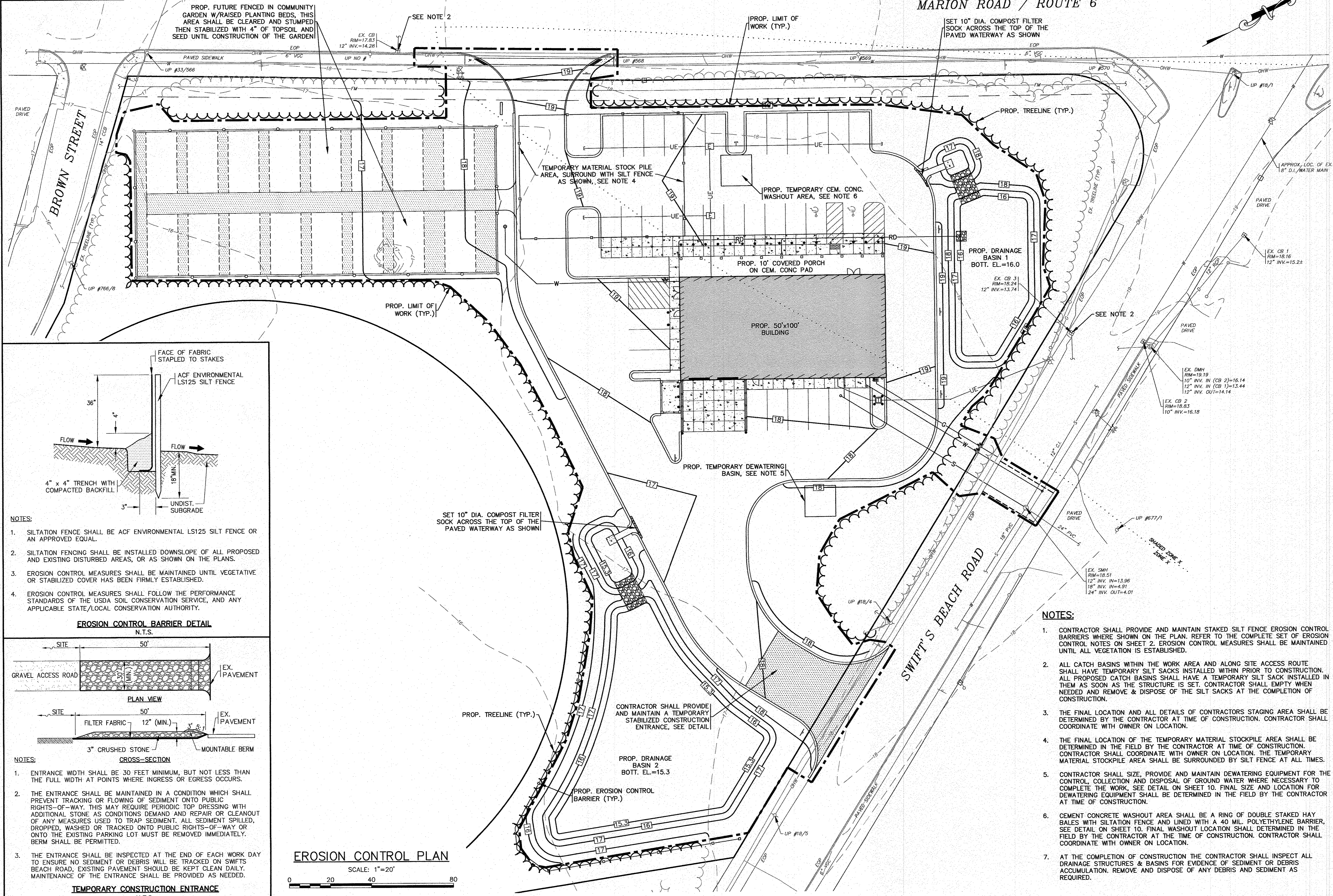
PREPARED FOR:
DAMIEN'S FOOD PANTRY
 WAREHAM, MA

JOB NO.: 22-9838
 DWG. 6 OF 12

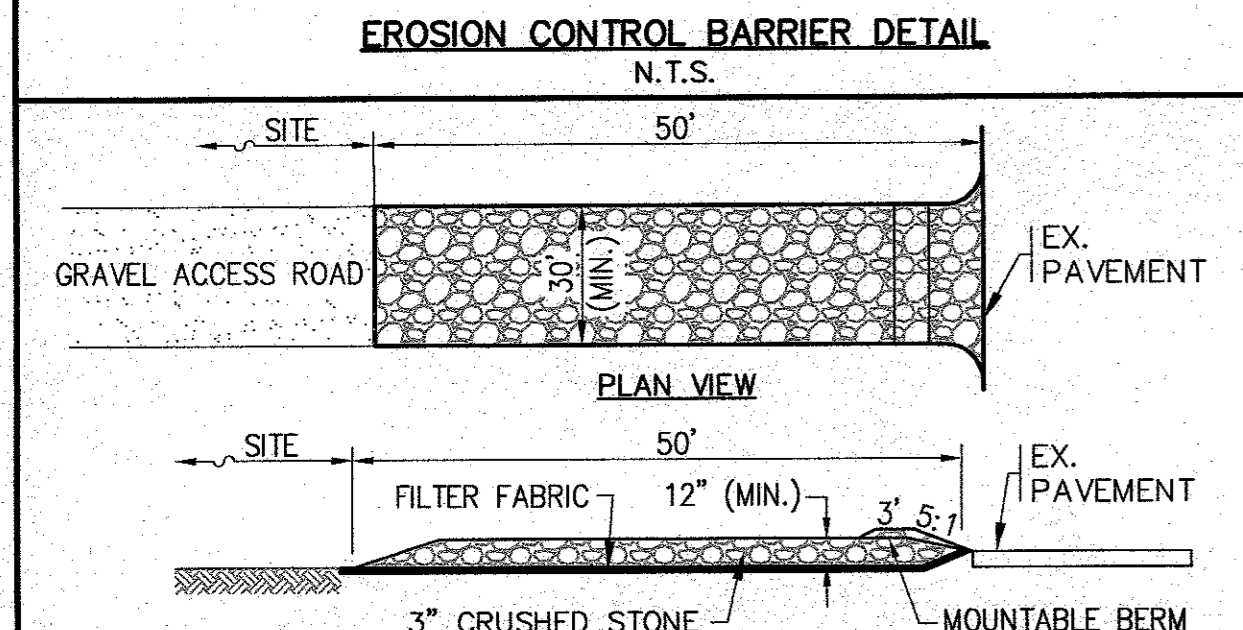
PERMIT SET
 (NOT FOR CONSTRUCTION)

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(NOT FOR CONSTRUCTION)

MARION ROAD / ROUTE 6



- NOTES:
1. SILTATION FENCE SHALL BE ACF ENVIRONMENTAL LS125 SILT FENCE OR AN APPROVED EQUAL.
 2. SILTATION FENCING SHALL BE INSTALLED DOWNSLOPE OF ALL PROPOSED AND EXISTING DISTURBED AREAS, OR AS SHOWN ON THE PLANS.
 3. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE OR STABILIZED COVER HAS BEEN FIRMLY ESTABLISHED.
 4. EROSION CONTROL MEASURES SHALL FOLLOW THE PERFORMANCE STANDARDS OF THE USDA SOIL CONSERVATION SERVICE, AND ANY APPLICABLE STATE/LOCAL CONSERVATION AUTHORITY.



- NOTES:
1. ENTRANCE WIDTH SHALL BE 30 FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY OR ONTO THE EXISTING PARKING LOT MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED.
 3. THE ENTRANCE SHALL BE INSPECTED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT OR DEBRIS WILL BE TRACKED ON SWIFTS BEACH ROAD. EXISTING PAVEMENT SHOULD BE KEPT CLEAN DAILY. MAINTENANCE OF THE ENTRANCE SHALL BE PROVIDED AS NEEDED.

EROSION CONTROL PLAN

SCALE: 1"=20'



NOTES:

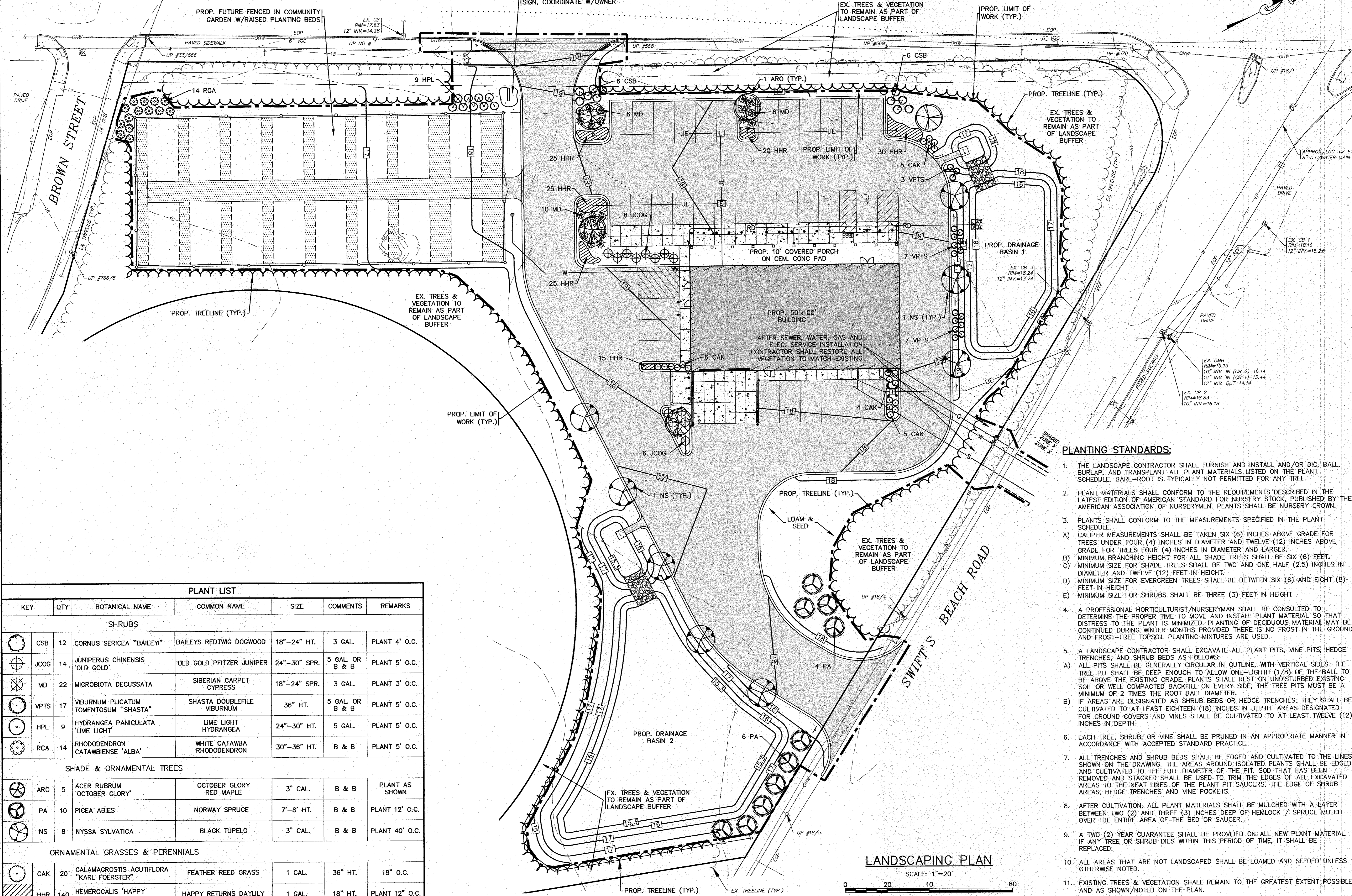
1. CONTRACTOR SHALL PROVIDE AND MAINTAIN STAKED SILT FENCE EROSION CONTROL BARRIERS WHERE SHOWN ON THE PLAN. REFER TO THE COMPLETE SET OF EROSION CONTROL NOTES ON SHEET 2. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL VEGETATION IS ESTABLISHED.
2. ALL CATCH BASINS WITHIN THE WORK AREA AND ALONG SITE ACCESS ROUTE SHALL HAVE TEMPORARY SILT SACKS INSTALLED WITHIN PRIOR TO CONSTRUCTION. ALL PROPOSED CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET. CONTRACTOR SHALL EMPTY WHEN NEEDED AND REMOVE & DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
3. THE FINAL LOCATION AND ALL DETAILS OF CONTRACTORS STAGING AREA SHALL BE DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER ON LOCATION.
4. THE FINAL LOCATION OF THE TEMPORARY MATERIAL STOCKPILE AREA SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER ON LOCATION. THE TEMPORARY MATERIAL STOCKPILE AREA SHALL BE SURROUNDED BY SILT FENCE AT ALL TIMES.
5. CONTRACTOR SHALL SIZE, PROVIDE AND MAINTAIN DEWATERING EQUIPMENT FOR THE CONTROL, COLLECTION AND DISPOSAL OF GROUND WATER WHERE NECESSARY TO COMPLETE THE WORK. SEE DETAIL ON SHEET 10. FINAL SIZE AND LOCATION FOR DEWATERING EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT TIME OF CONSTRUCTION.
6. CEMENT CONCRETE WASHOUT AREA SHALL BE A RING OF DOUBLE STAKED HAY BALES WITH SILTATION FENCE AND LINED WITH A 40 MIL. POLYETHYLENE BARRIER. SEE DETAIL ON SHEET 10. FINAL WASHOUT LOCATION SHALL DETERMINED IN THE FIELD BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER ON LOCATION.
7. AT THE COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL INSPECT ALL DRAINAGE STRUCTURES & BASINS FOR EVIDENCE OF SEDIMENT OR DEBRIS ACCUMULATION. REMOVE AND DISPOSE OF ANY DEBRIS AND SEDIMENT AS REQUIRED.

DATE: AUGUST 4, 2022	DRAWN BY: JMP	DATE: AUGUST 4, 2022	REV. LIMIT OF WORK LINE
CHECKED BY: WFM	JOB NO.: 22-9838	11/8/22	JMP WFM
APPROVED BY: [Signature]	SCALE: 1" = 20'	11/2/22	JMP WFM
APPROVED BY: [Signature]			REV. BY: APPD
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SITE DEVELOPMENT PLAN EROSION CONTROL PLAN		JOB NO.: 22-9838 DWG. 7 OF 12	

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PERMIT SET
(NOT FOR CONSTRUCTION)

MARION ROAD / ROUTE 6



PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	REMARKS
SHRUBS						
CSB	12	CORNUS SERICEA "BAILEY"	BAILEY'S REDTWIG DOGWOOD	18"-24" HT.	3 GAL.	PLANT 4' O.C.
JCOG	14	JUNIPERUS CHINENSIS "OLD GOLD"	OLD GOLD PFITZER JUNIPER	24"-30" SPR.	5 GAL. OR B & B	PLANT 5' O.C.
MD	22	MICROBIOTA DECUSSATA	SIBERIAN CARPET CYPRESS	18"-24" SPR.	3 GAL.	PLANT 3' O.C.
VPTS	17	VIBURNUM Plicatum TOMENTOSUM "SHASTA"	SHASTA DOUBLEFILE VIBURNUM	36" HT.	5 GAL. OR B & B	PLANT 5' O.C.
HPL	9	HYDRANGEA PANICULATA "LIME LIGHT"	LIME LIGHT HYDRANGEA	24"-30" HT.	5 GAL.	PLANT 5' O.C.
RCA	14	RHODODENDRON CATAWBIENSE 'ALBA'	WHITE CATAWBA RHODODENDRON	30"-36" HT.	B & B	PLANT 5' O.C.
SHADE & ORNAMENTAL TREES						
ARO	5	ACER RUBRUM "OCTOBER GLORY"	OCTOBER GLORY RED MAPLE	3" CAL.	B & B	PLANT AS SHOWN
PA	10	PICEA ABIES	NORWAY SPRUCE	7'-8' HT.	B & B	PLANT 12' O.C.
NS	8	NYSSA SYLVATICA	BLACK TUPELO	3" CAL.	B & B	PLANT 40' O.C.
ORNAMENTAL GRASSES & PERENNIALS						
CAK	20	CALAMAGROSTIS ACUTIFLORA "KARL FOERSTER"	FEATHER REED GRASS	1 GAL.	36" HT.	18" O.C.
HHR	140	HEMEROCALIS "HAPPY RETURNS"	HAPPY RETURNS DAYLILY	1 GAL.	18" HT.	PLANT 12" O.C.

PLANTING STANDARDS:

- 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.
- 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.
- PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE.
 - 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 DIAMETER AND LARGER.
 - MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX (6) FEET.
 - MINIMUM SIZE FOR SHADE TREES SHALL BE TWO AND ONE HALF (2.5) INCHES IN DIAMETER AND TWELVE (12) FEET IN HEIGHT.
 - MINIMUM SIZE FOR EVERGREEN TREES SHALL BE BETWEEN SIX (6) AND EIGHT (8) FEET IN HEIGHT.
 - MINIMUM SIZE FOR SHRUBS SHALL BE THREE (3) FEET IN HEIGHT.
- 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 NO FROST IN THE GROUND AND FROST-FREE TOPSOIL PLANTING MIXTURES ARE USED.
- A LANDSCAPE CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES, AND SHRUB BEDS AS FOLLOWS:
 - ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, WITH VERTICAL SIDES. THE TREE PIT SHALL 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.
 - 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.
- EACH TREE, SHRUB, OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICE.
- 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 DIAMETER OF THE PIT. SOIL 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.
- 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.
- 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.
- ALL AREAS THAT ARE NOT LANDSCAPED SHALL BE LOAMED AND SEEDED UNLESS OTHERWISE NOTED.
- EXISTING TREES & VEGETATION SHALL REMAIN TO THE GREATEST EXTENT POSSIBLE AND AS SHOWN/NOTED ON THE PLAN.

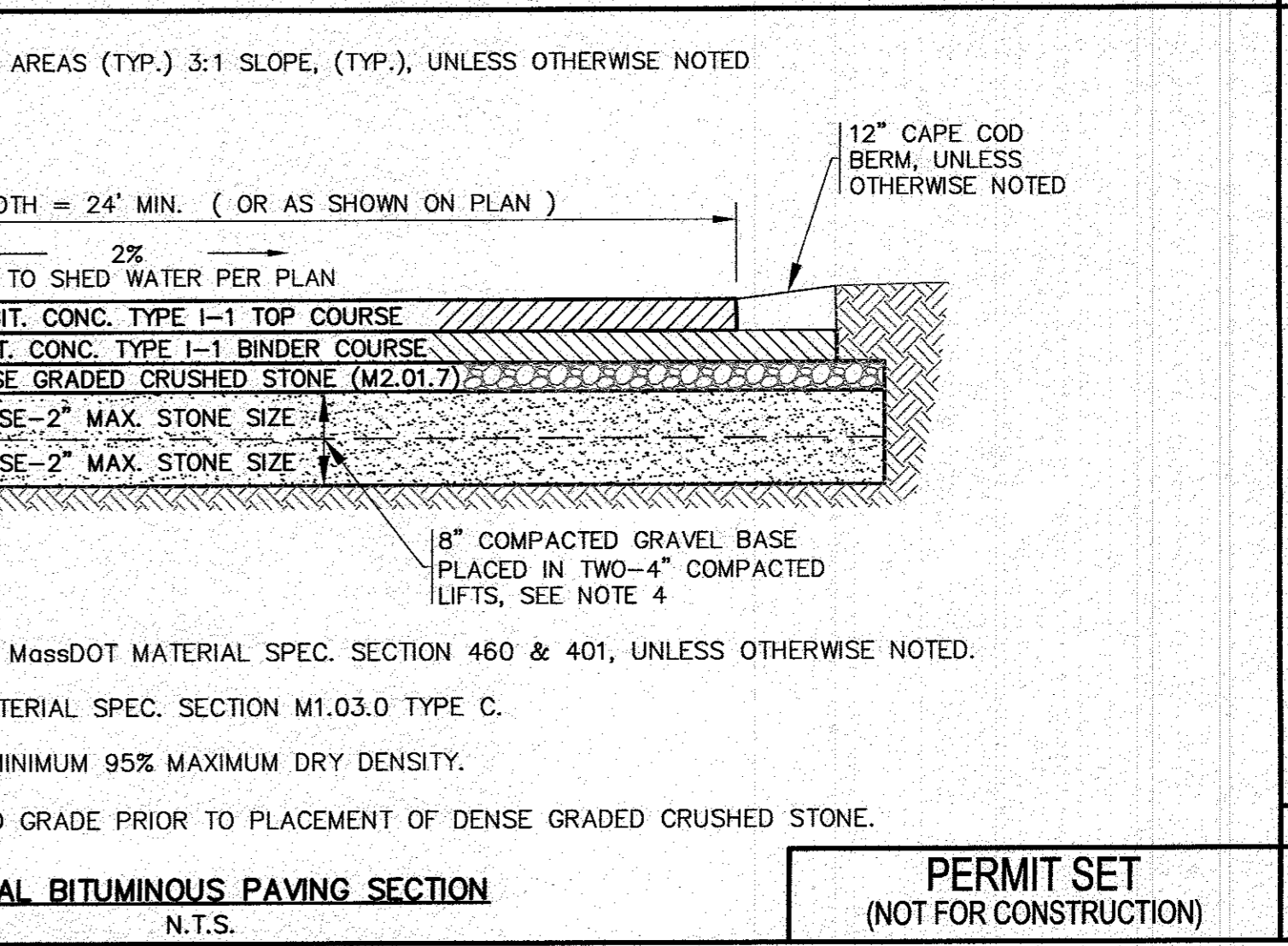
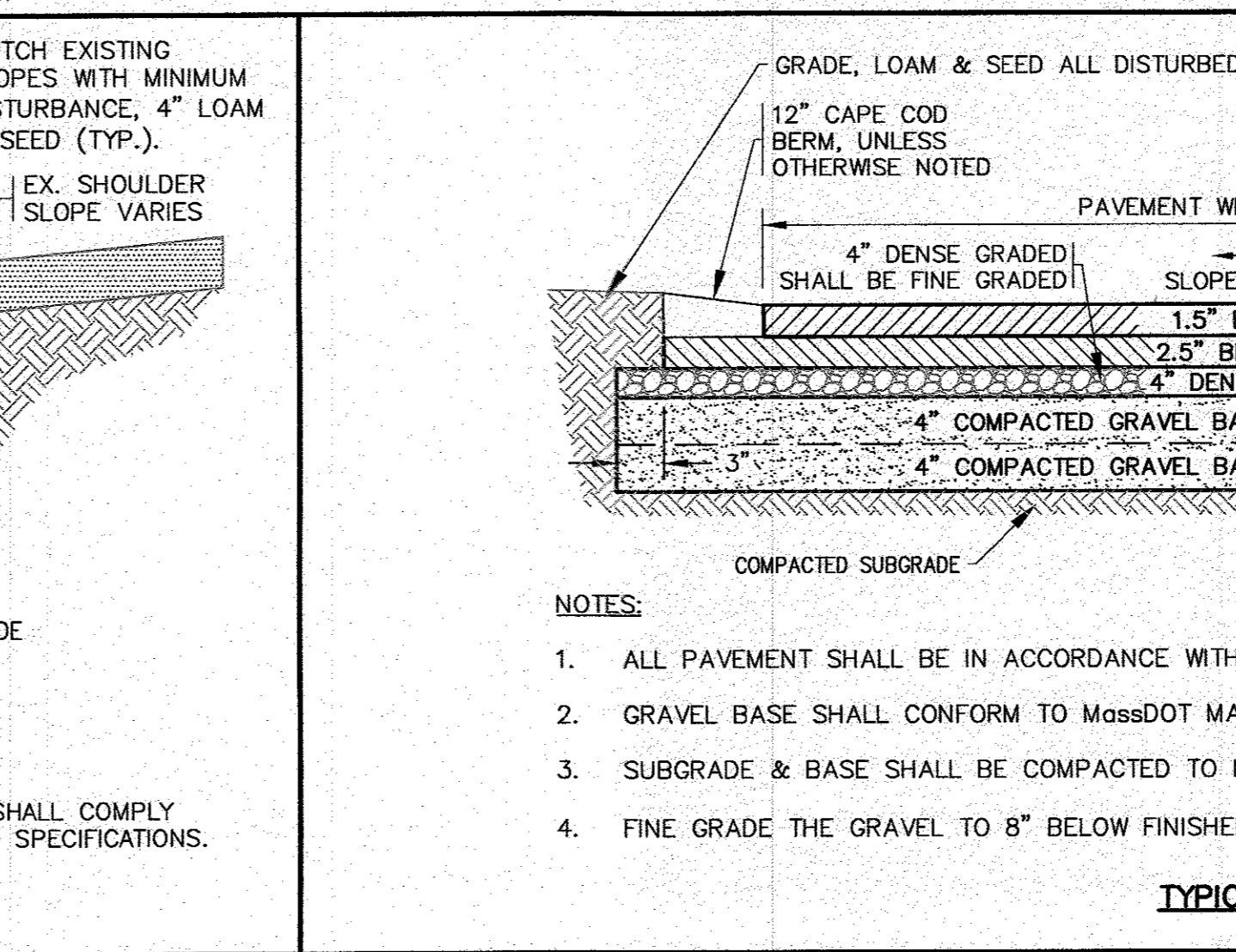
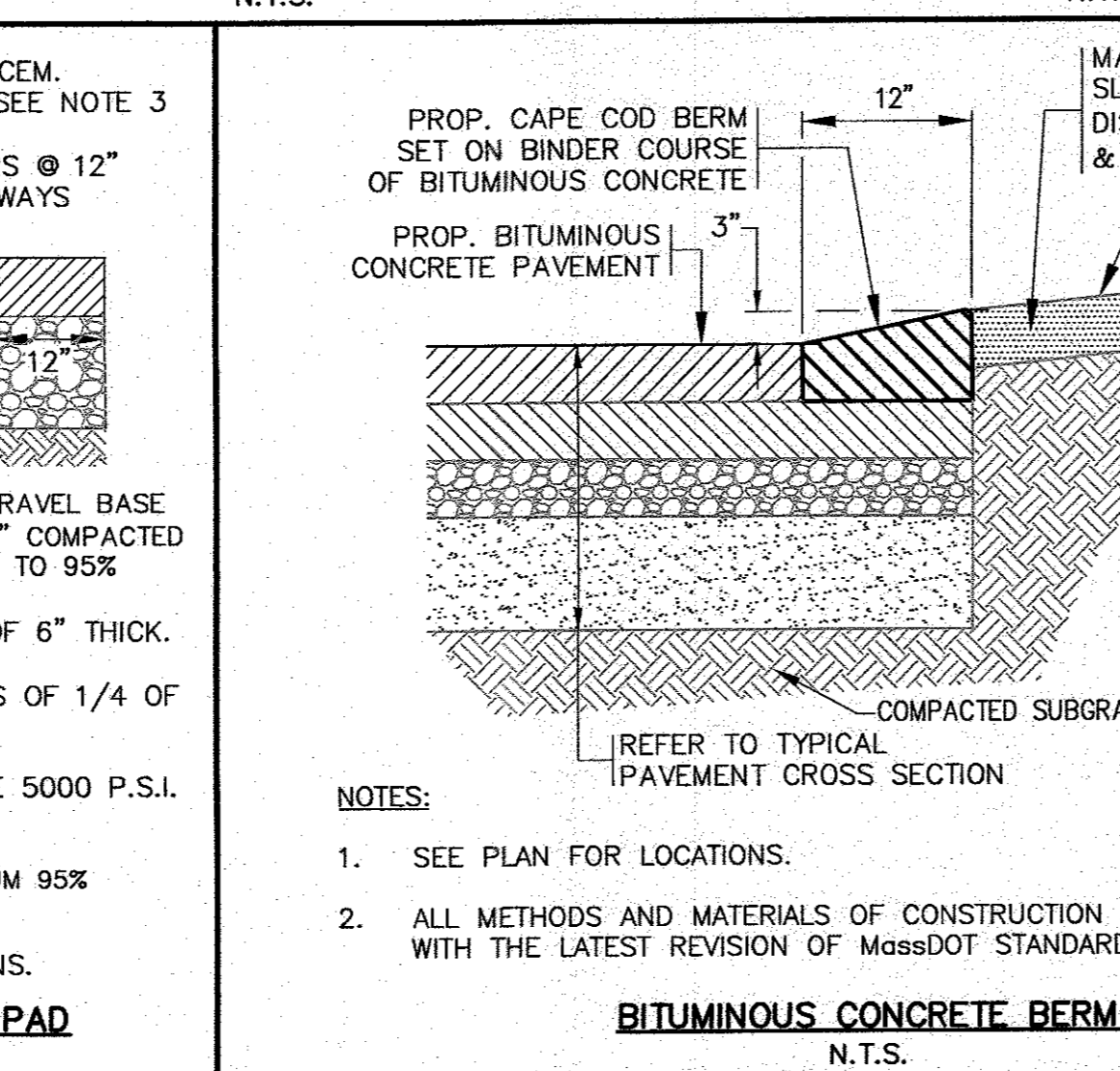
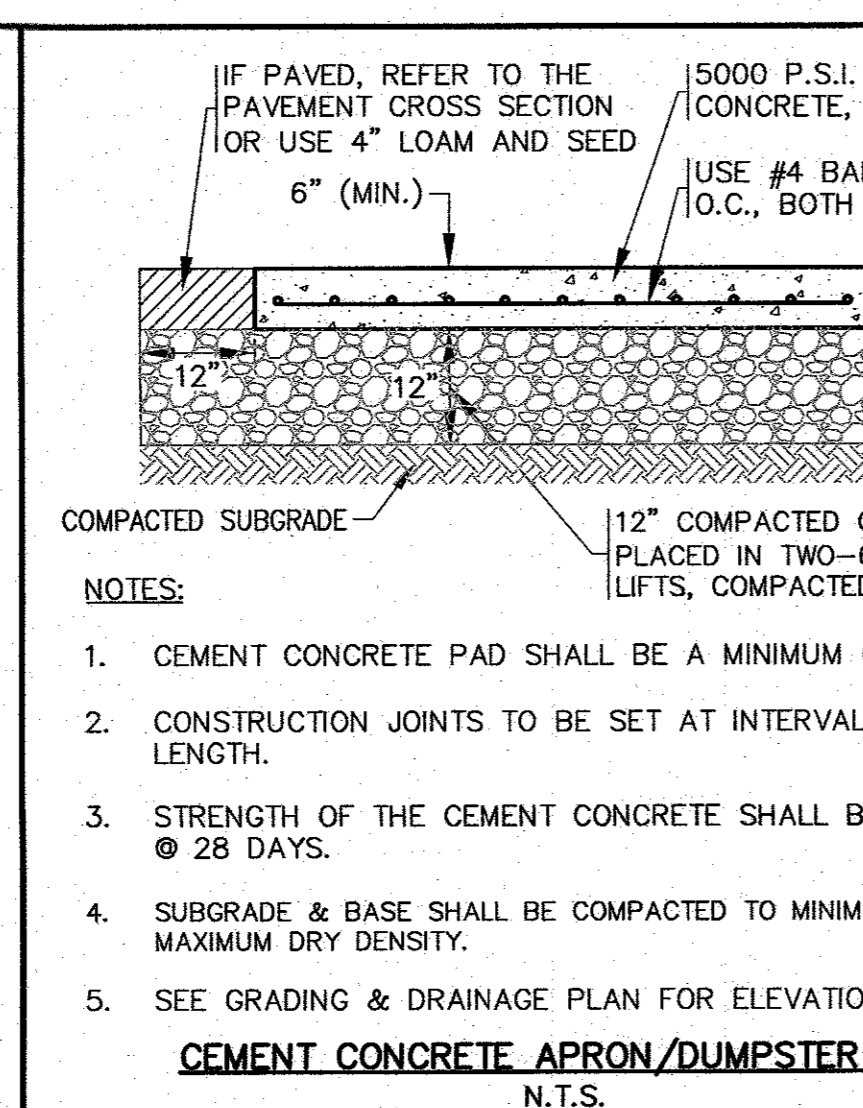
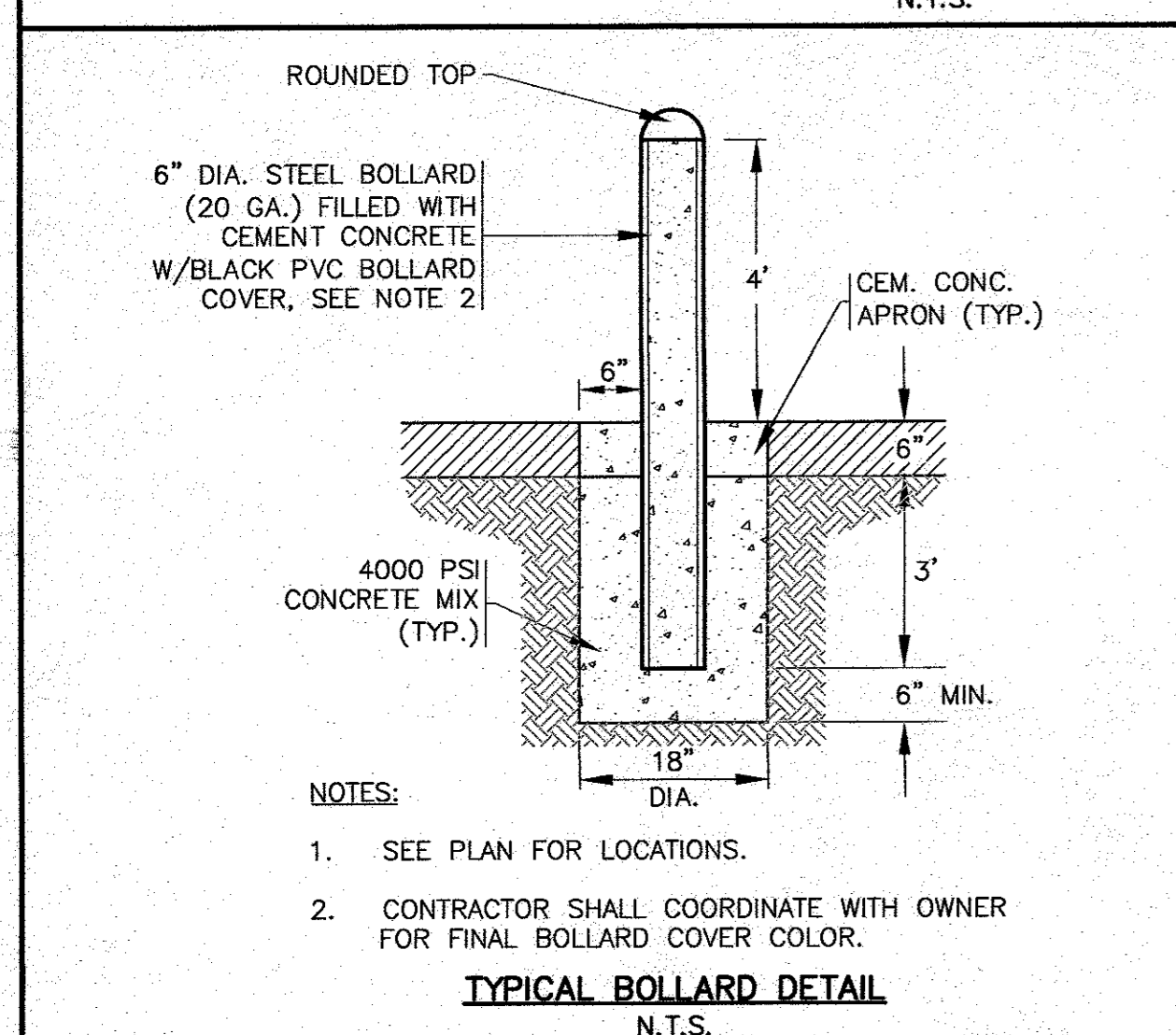
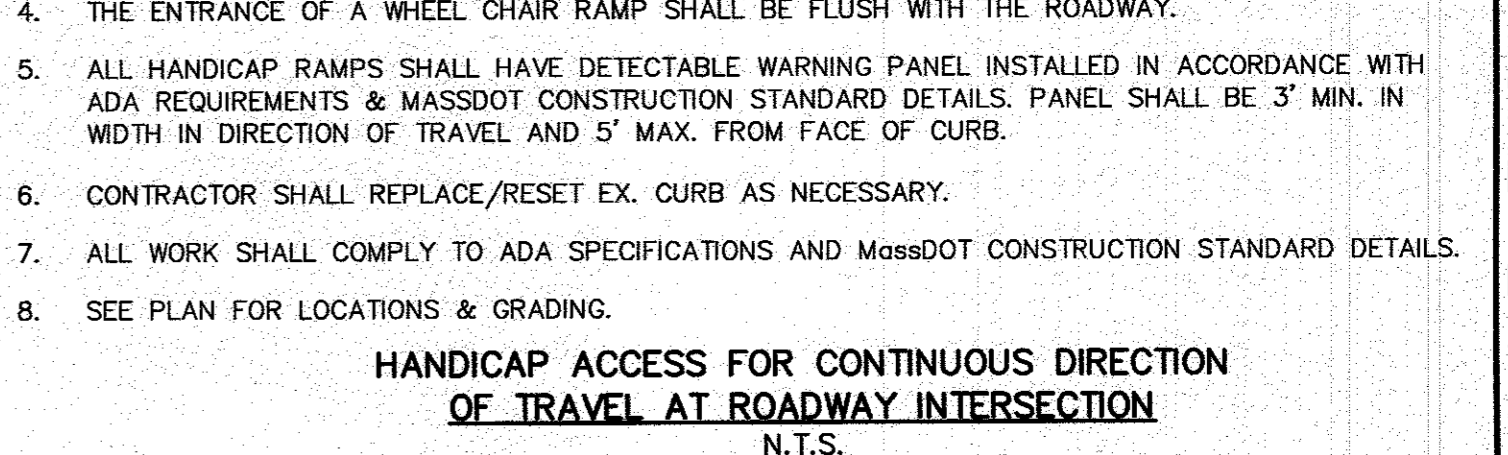
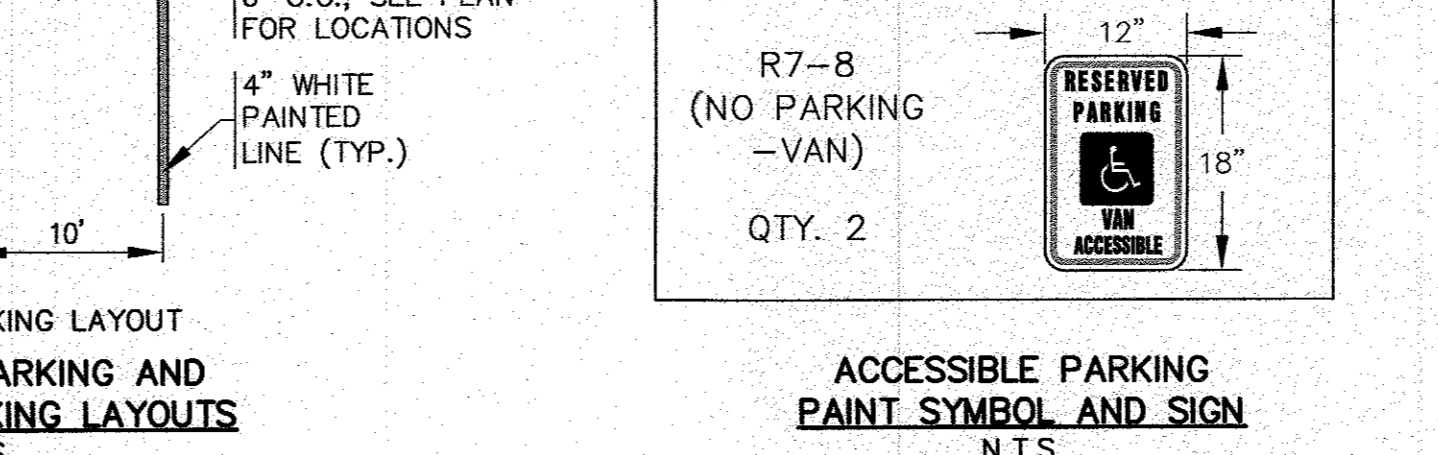
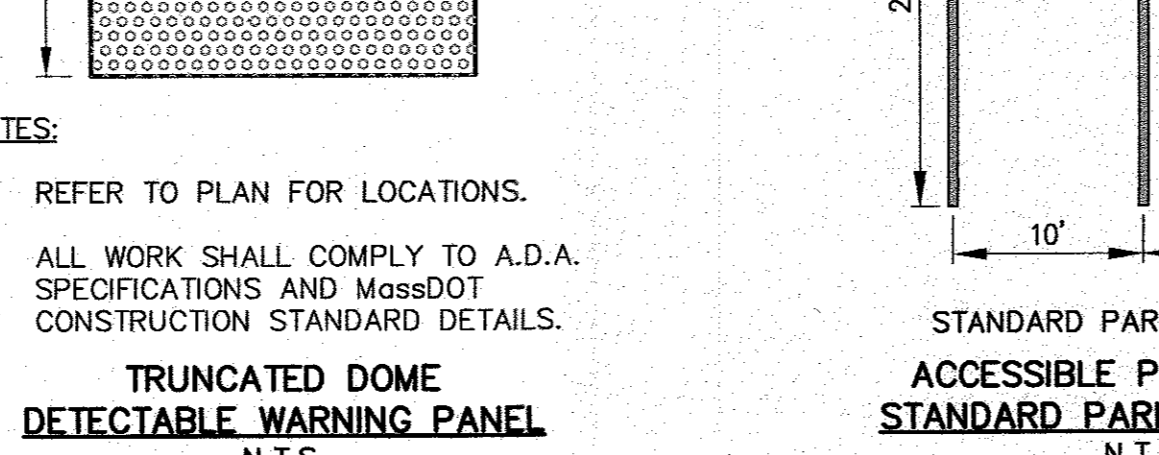
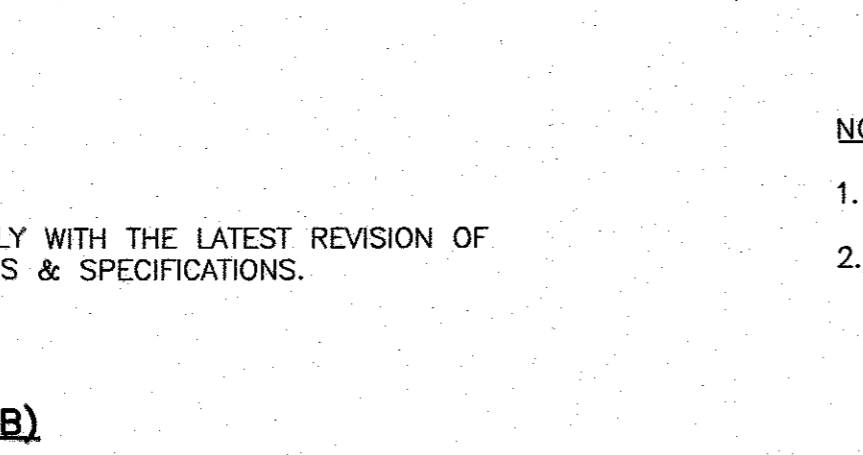
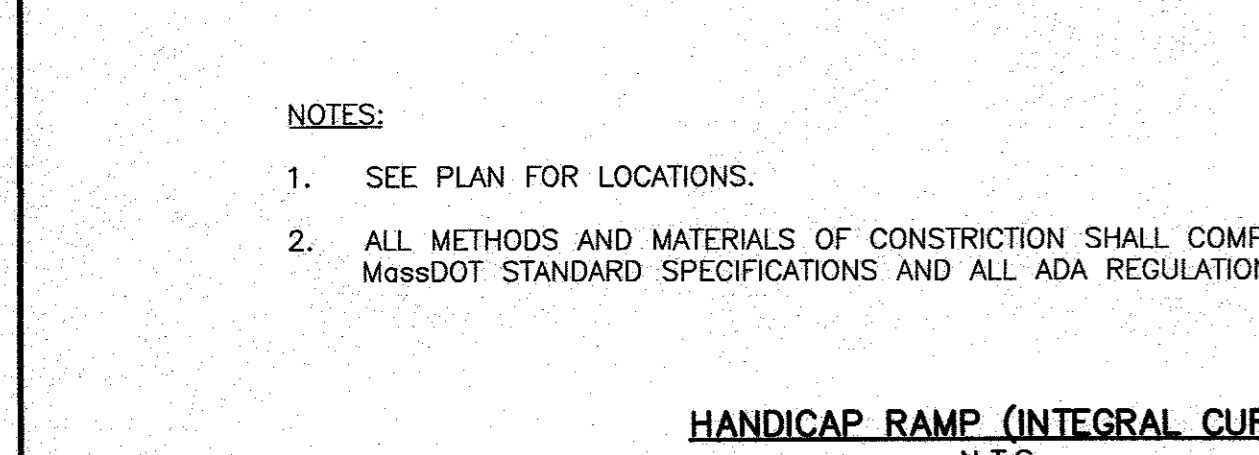
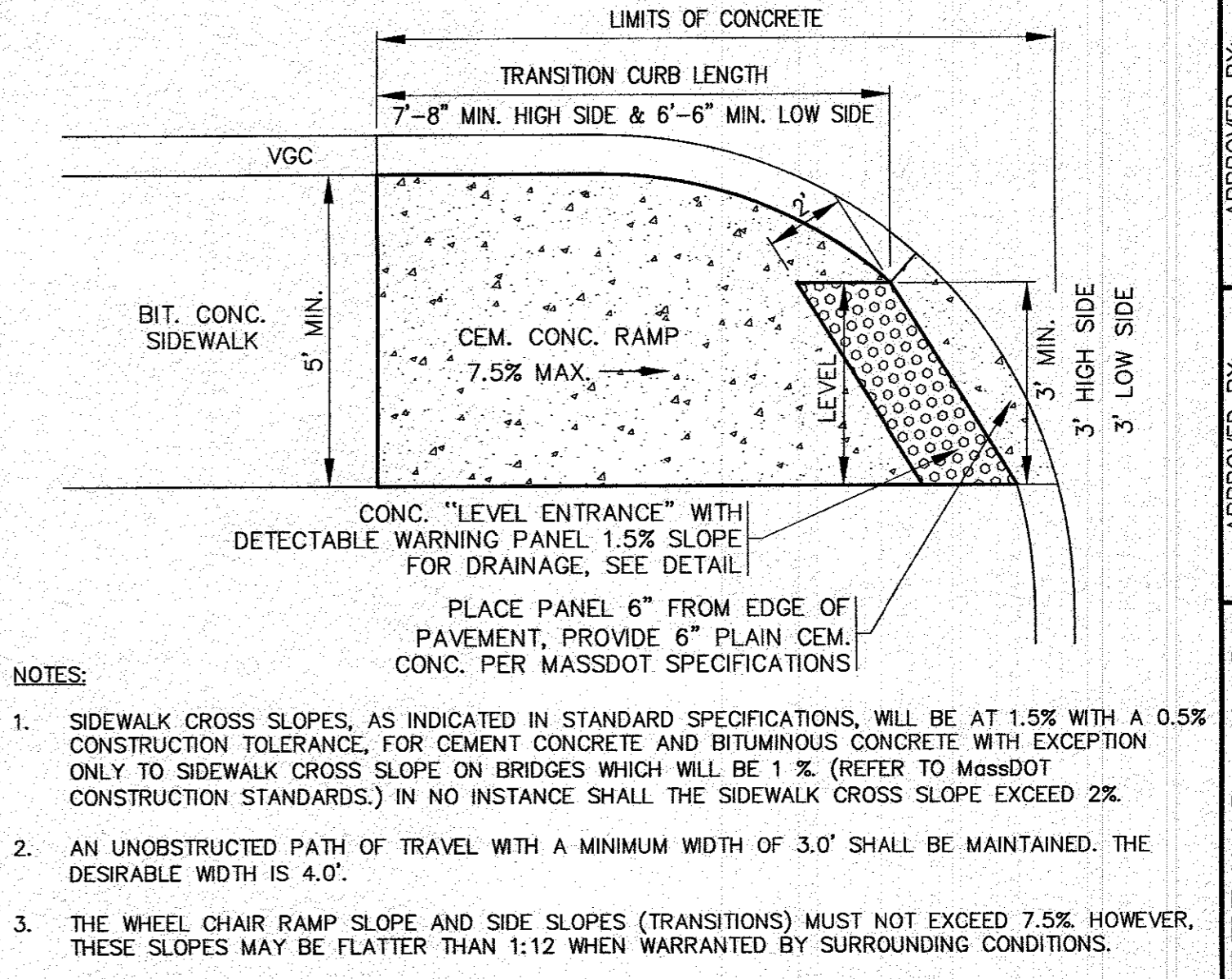
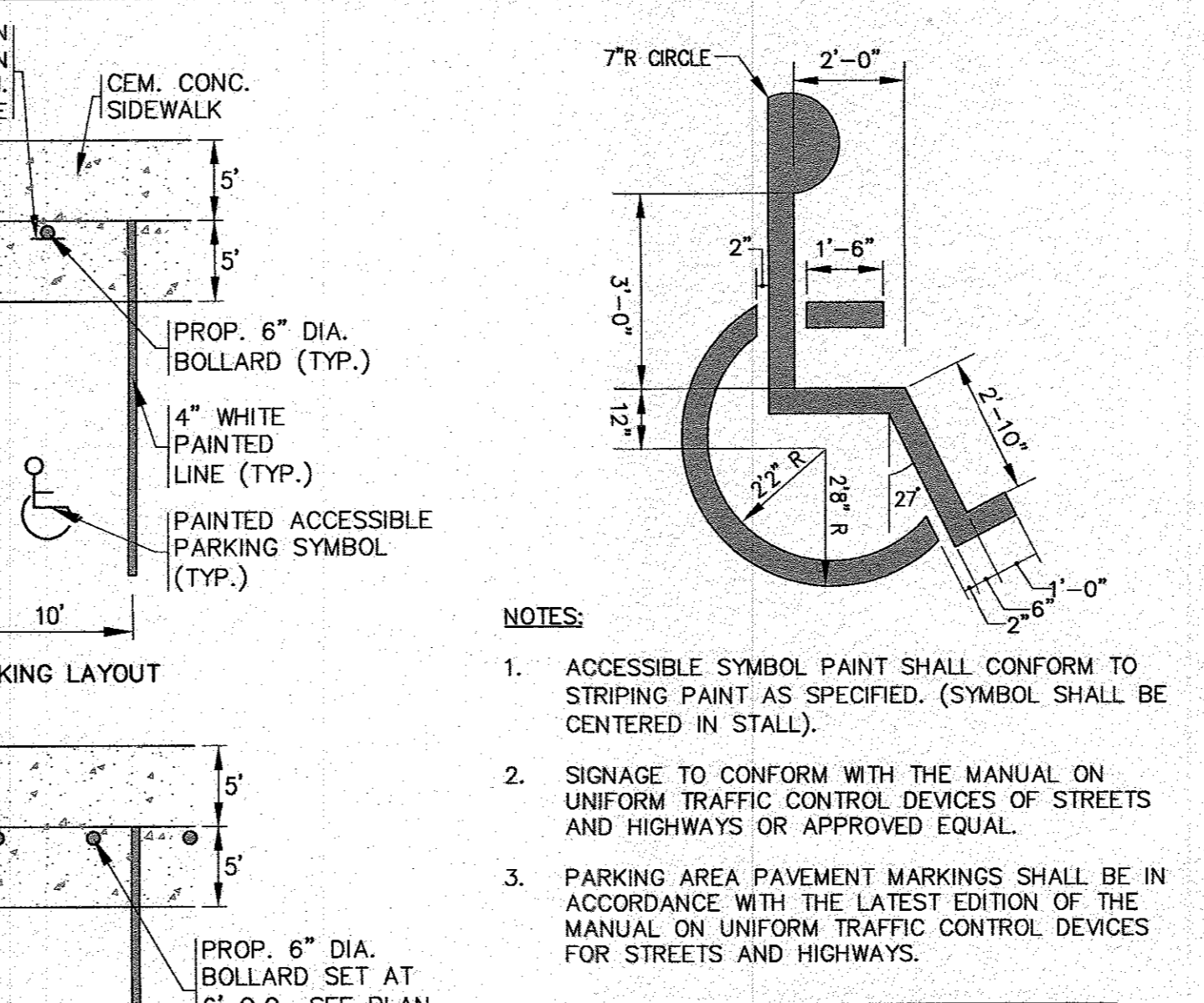
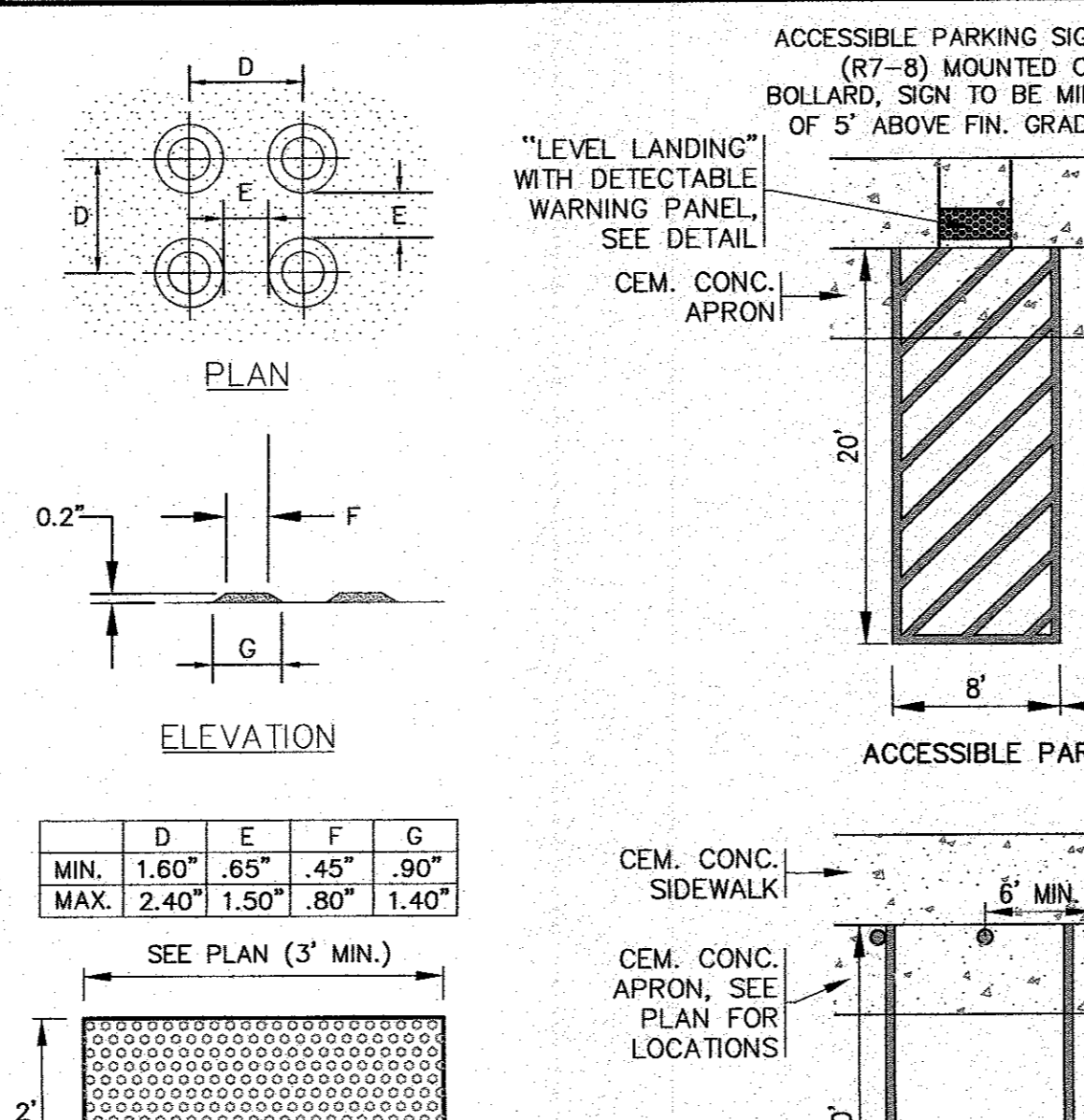
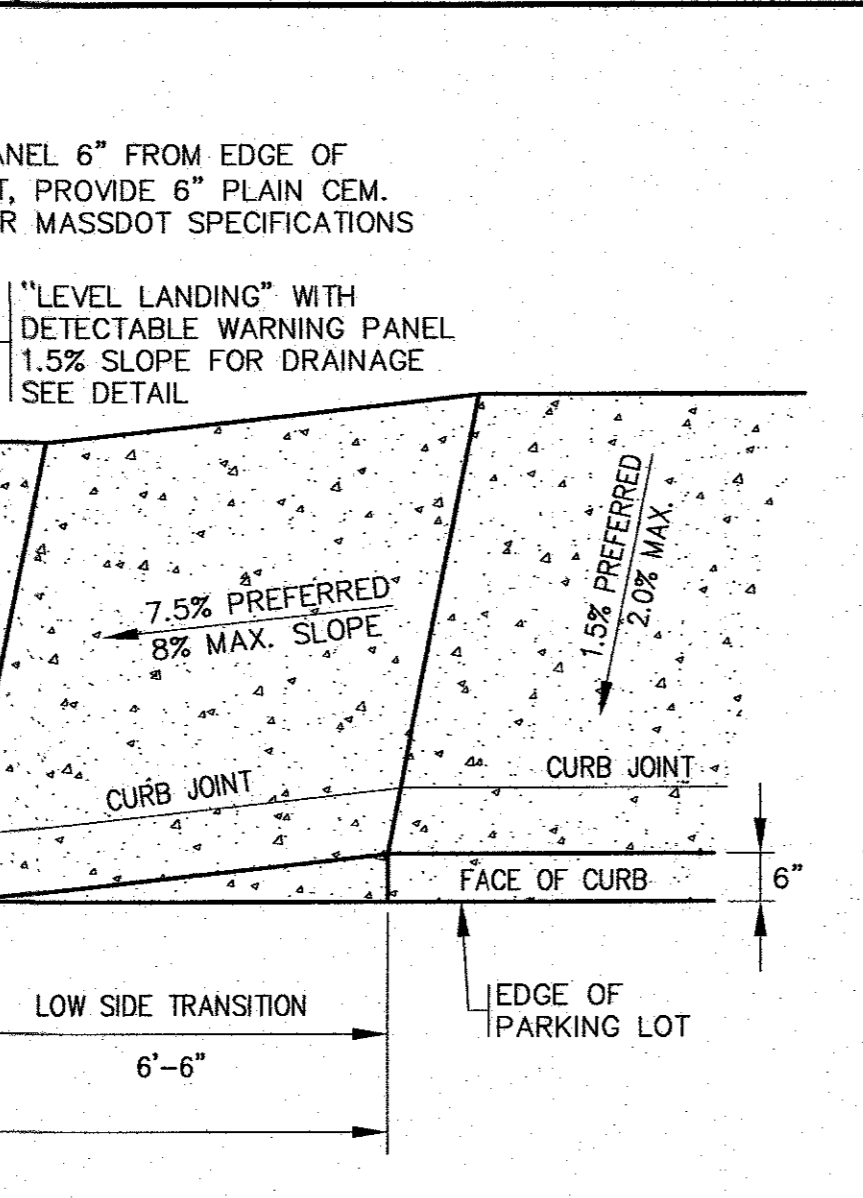
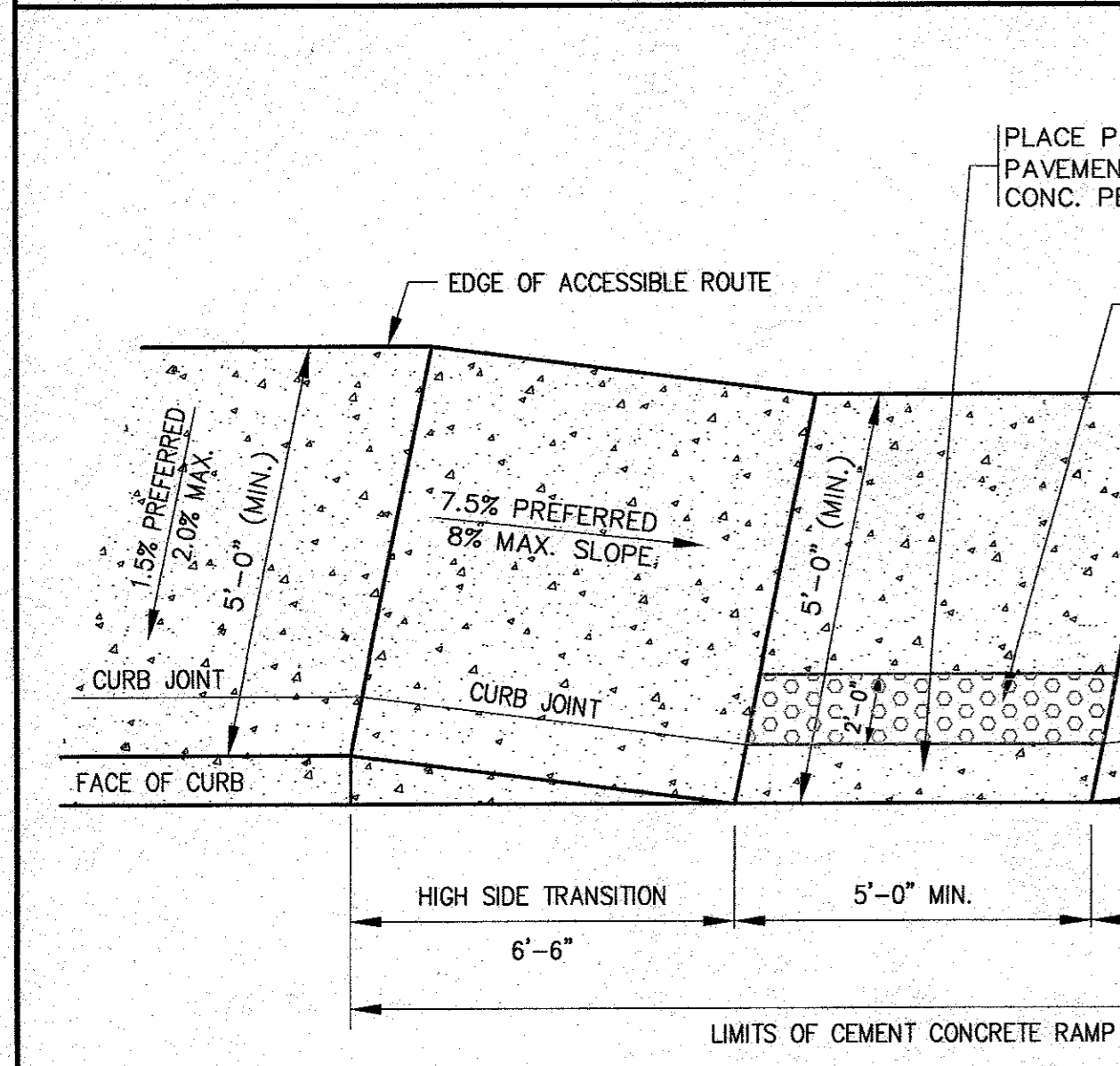
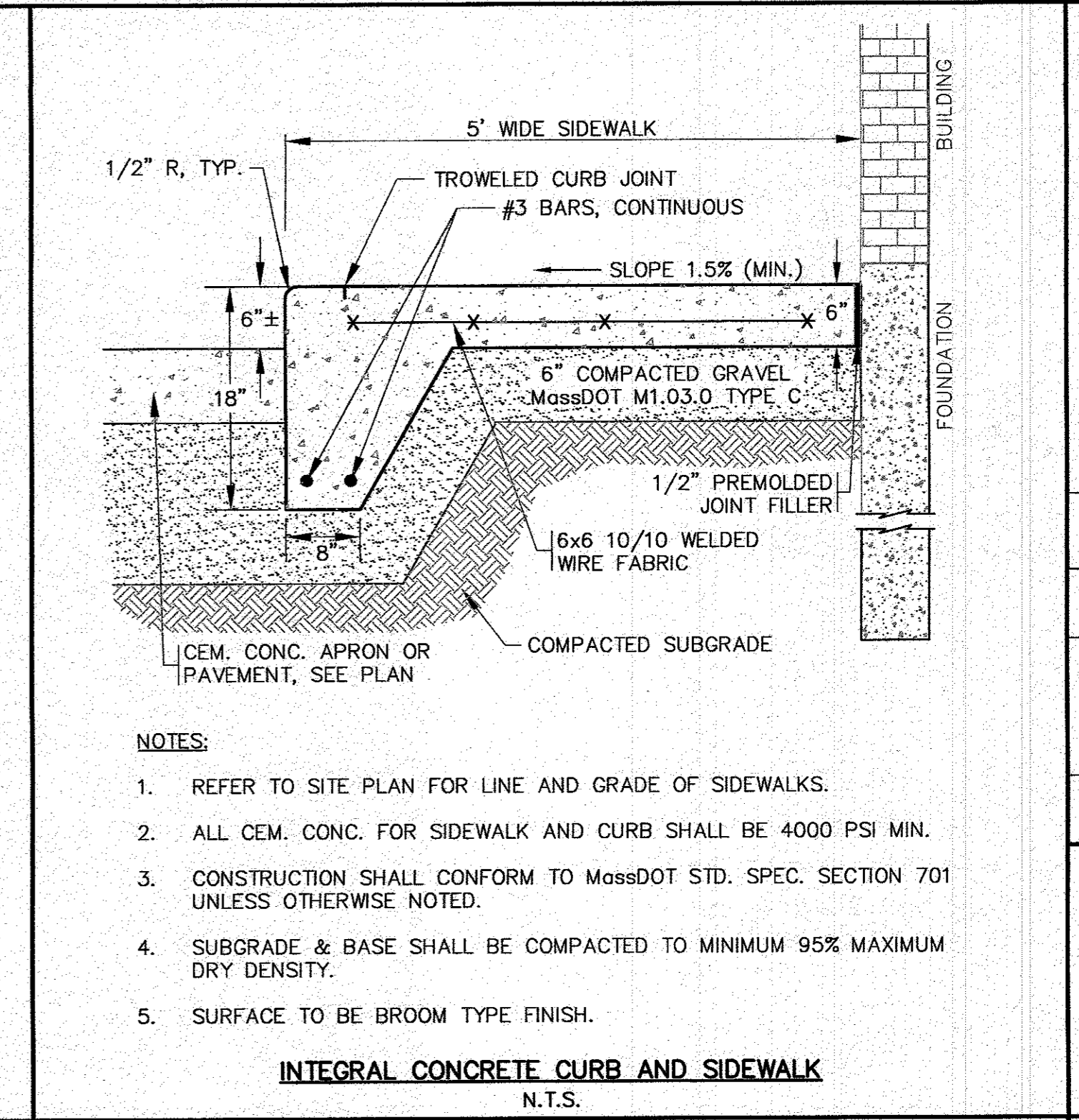
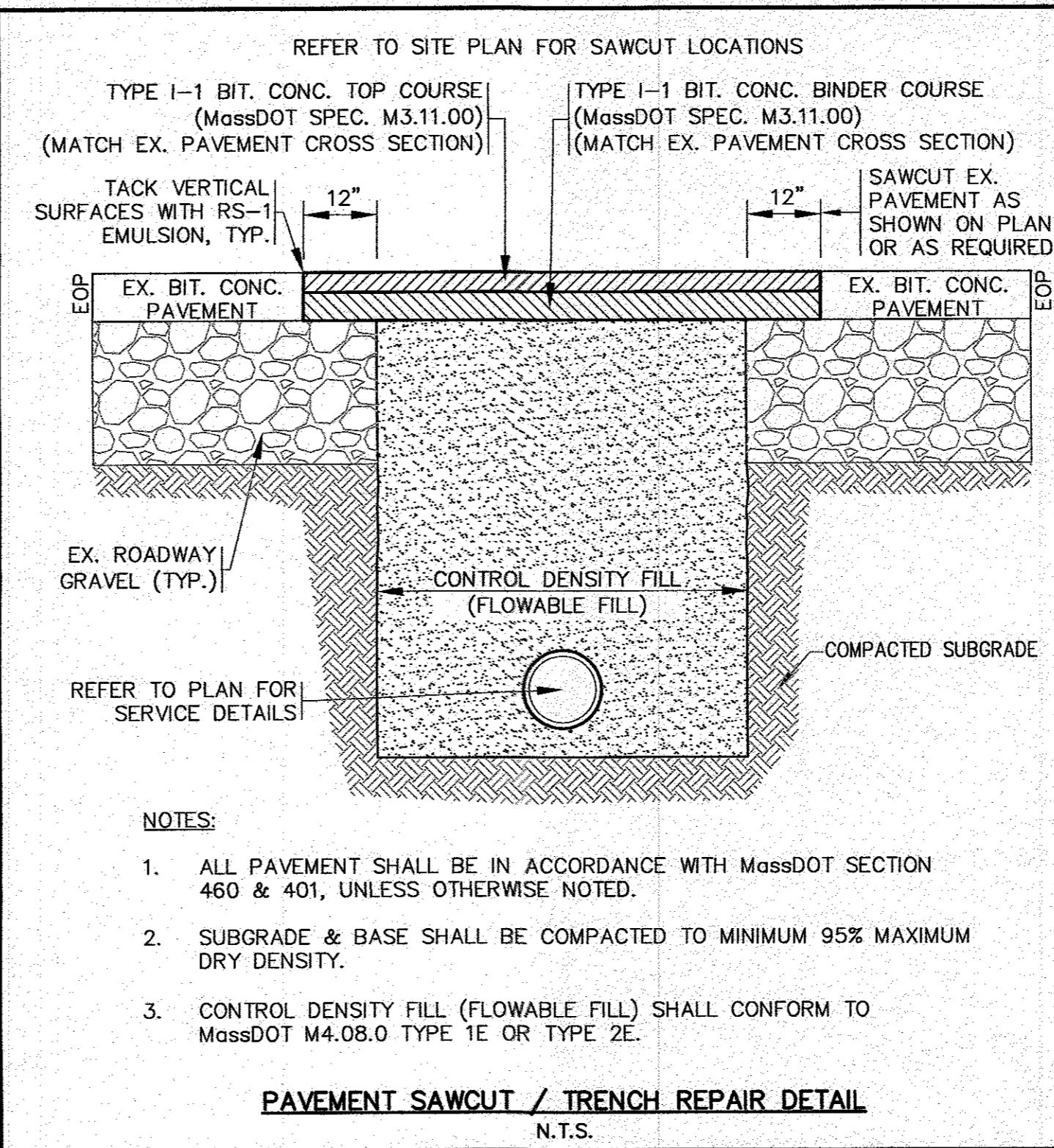
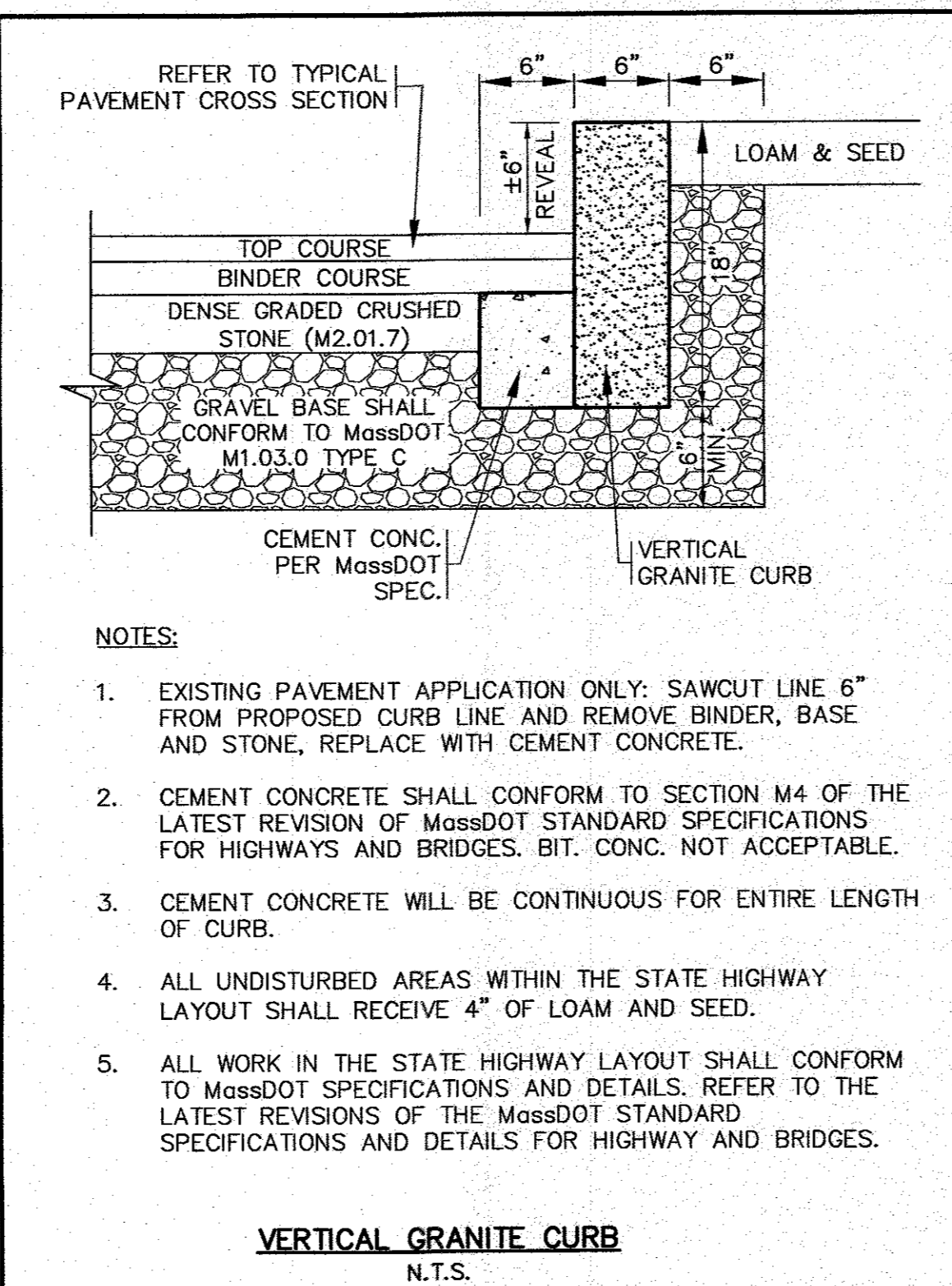
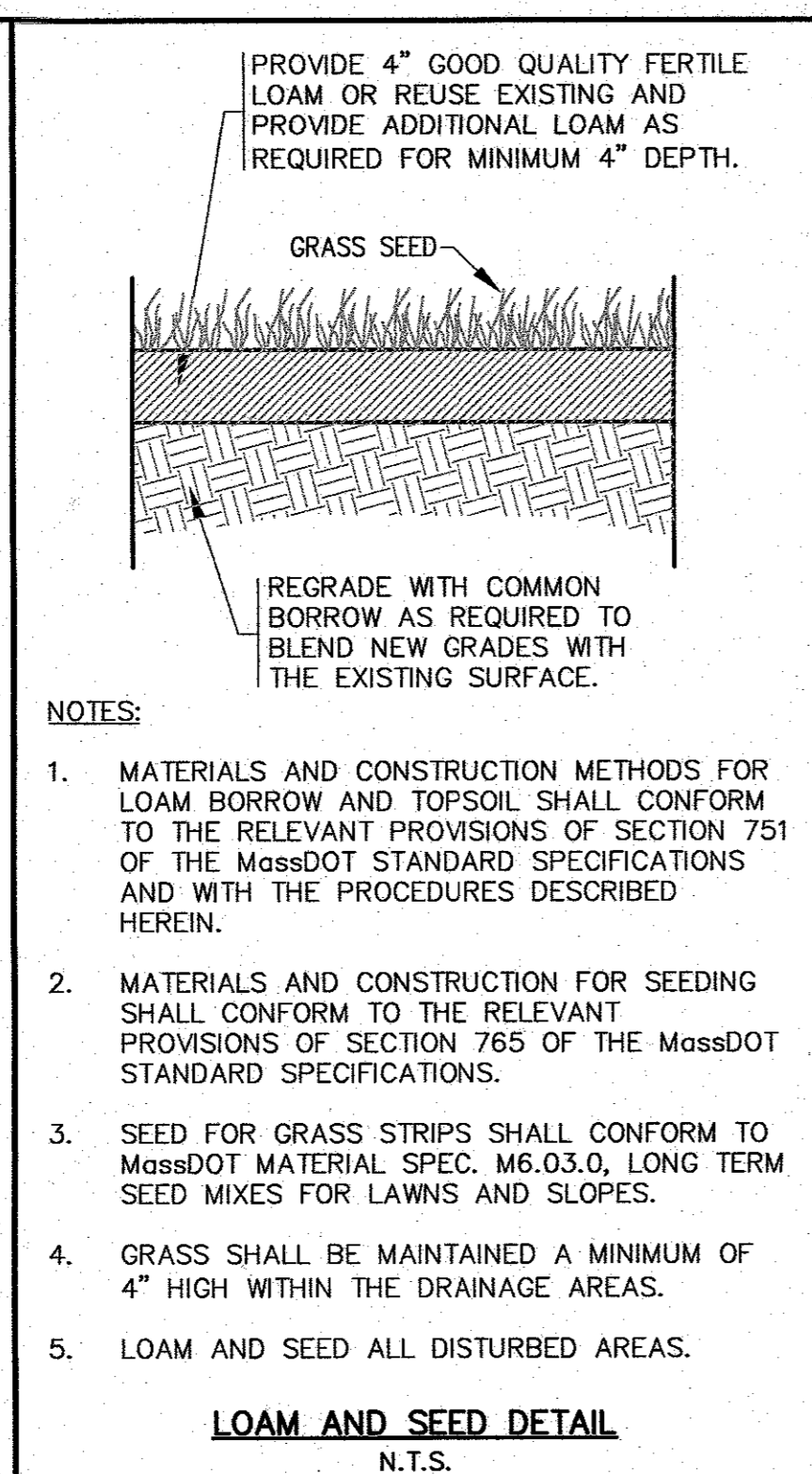
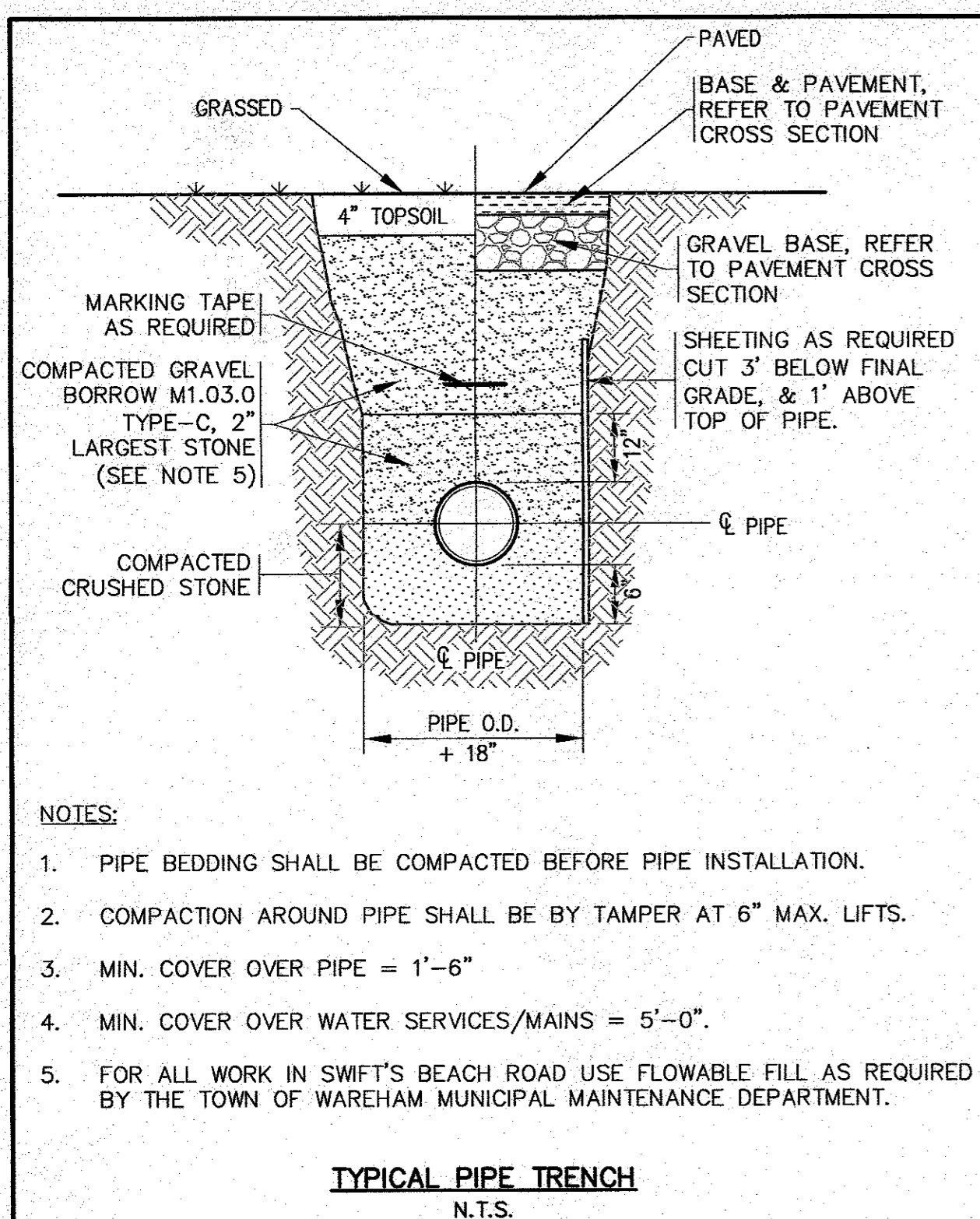
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 CHECKED BY: WFM
 JOB NO.: 22-9838
 SCALE: 1" = 20'

APPROVED BY:

 APPROVED BY: [Signature]

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

PREPARED FOR:
DAMIEN'S FOOD PANTRY
 242 MARION ROAD WAREHAM, MA
 P.O. BOX 730
 JOB NO.: 22-9838
DWG. 8 OF 12



DATE	BY	DESCRIPTION
11/8/22	JMP	NO CHANGES THIS SHEET
11/2/22	WFM	PER PEER REVIEW COMMENTS
11/2/22	JMP	
	N.T.S.	

DATE: AUGUST 4, 2022
 DRAWN BY: JMP
 CHECKED BY: WFM
 JOB NO.: 22-983B
 SCALE: N.T.S.

APPROVED BY:

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CONSULTING ENGINEER
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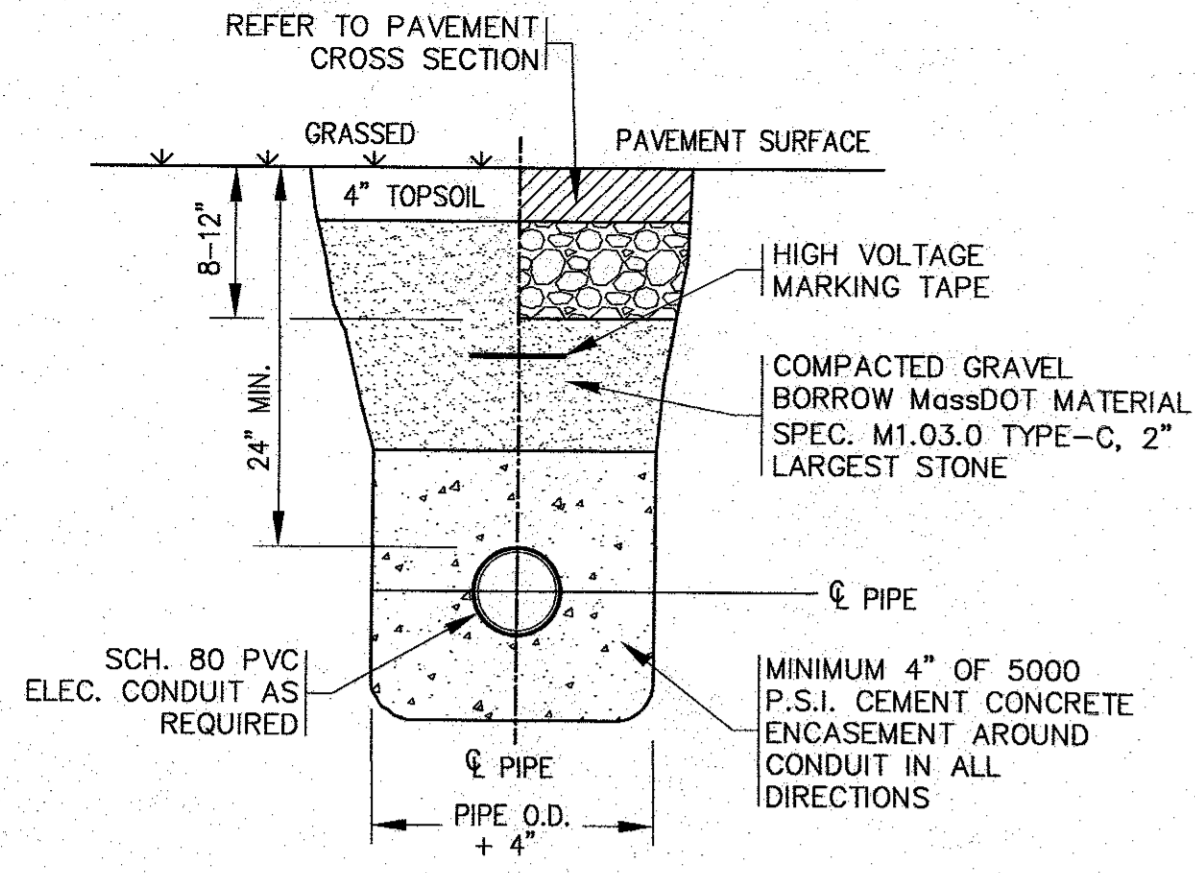
SITE DEVELOPMENT PLAN
DETAIL SHEET 1

PREPARED FOR:
DAMIEN'S FOOD PANTRY

WAREHAM, MA
 242 MARION ROAD
 P.O. BOX 730

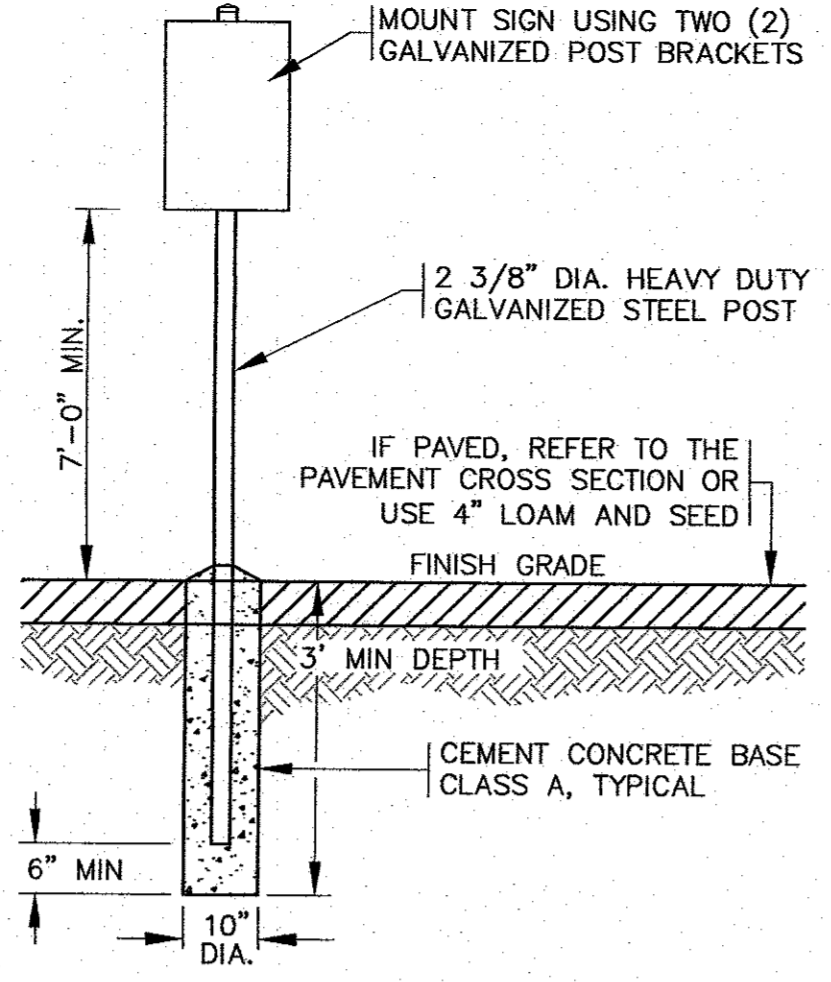
JOB NO.: 22-983B
 DWG. 9 OF 12

**PERMIT SET
(NOT FOR CONSTRUCTION)**



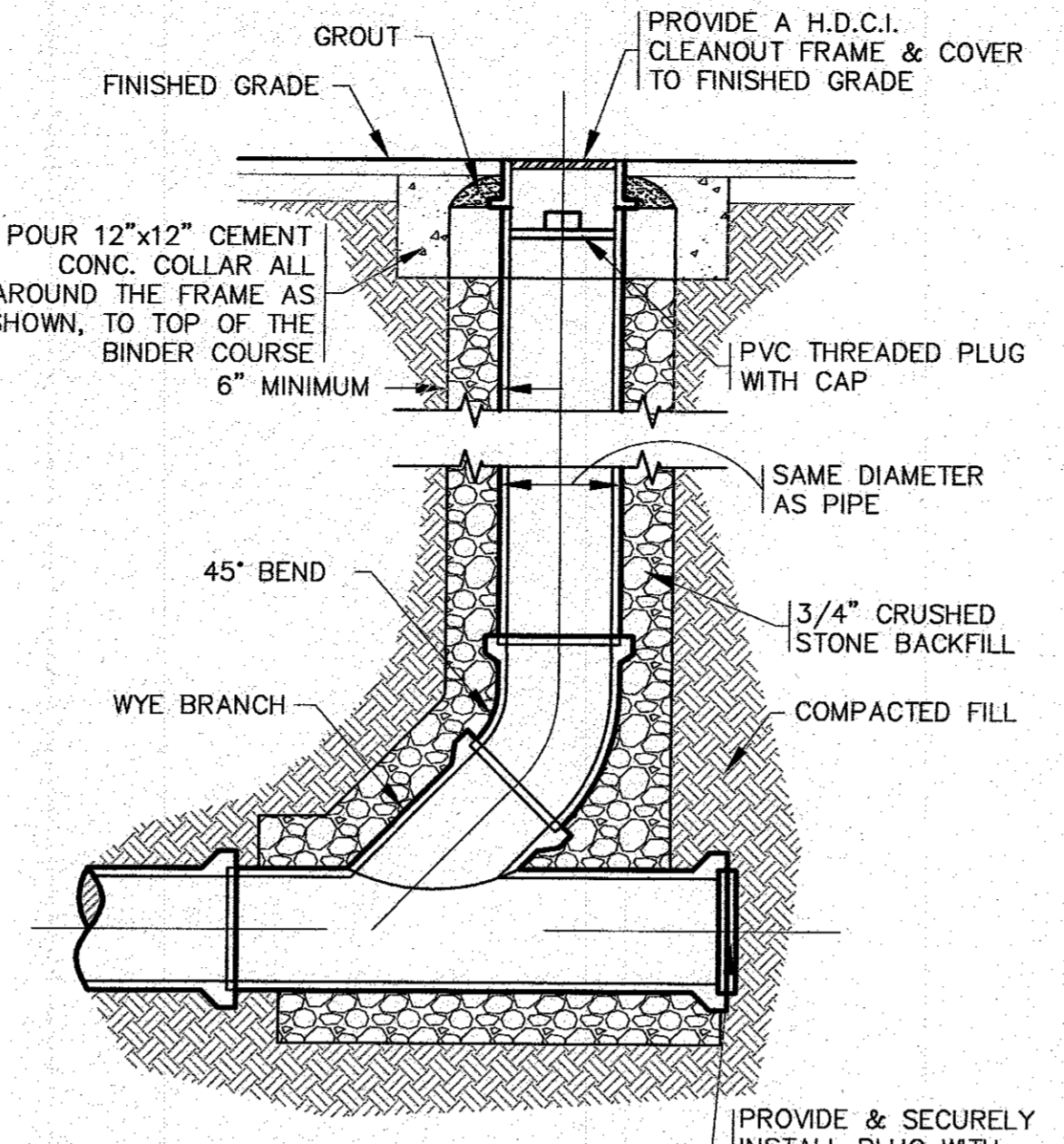
- NOTES:**
- REFER TO ELECTRICAL PLANS BY OTHERS FOR FINAL CONDUIT SIZE, LOCATIONS AND ALL CONSTRUCTION DETAILS.
 - ALL CONDUITS PLACED UNDER TRAVELED WAYS OR WHERE VEHICULAR TRAFFIC WILL OCCUR SHALL BE ENCASED WITH A 5000 P.S.I. CEMENT CONCRETE MIX THAT MEETS MASSDOT H-20 STANDARDS.

**CONDUIT TRENCH
N.T.S.**



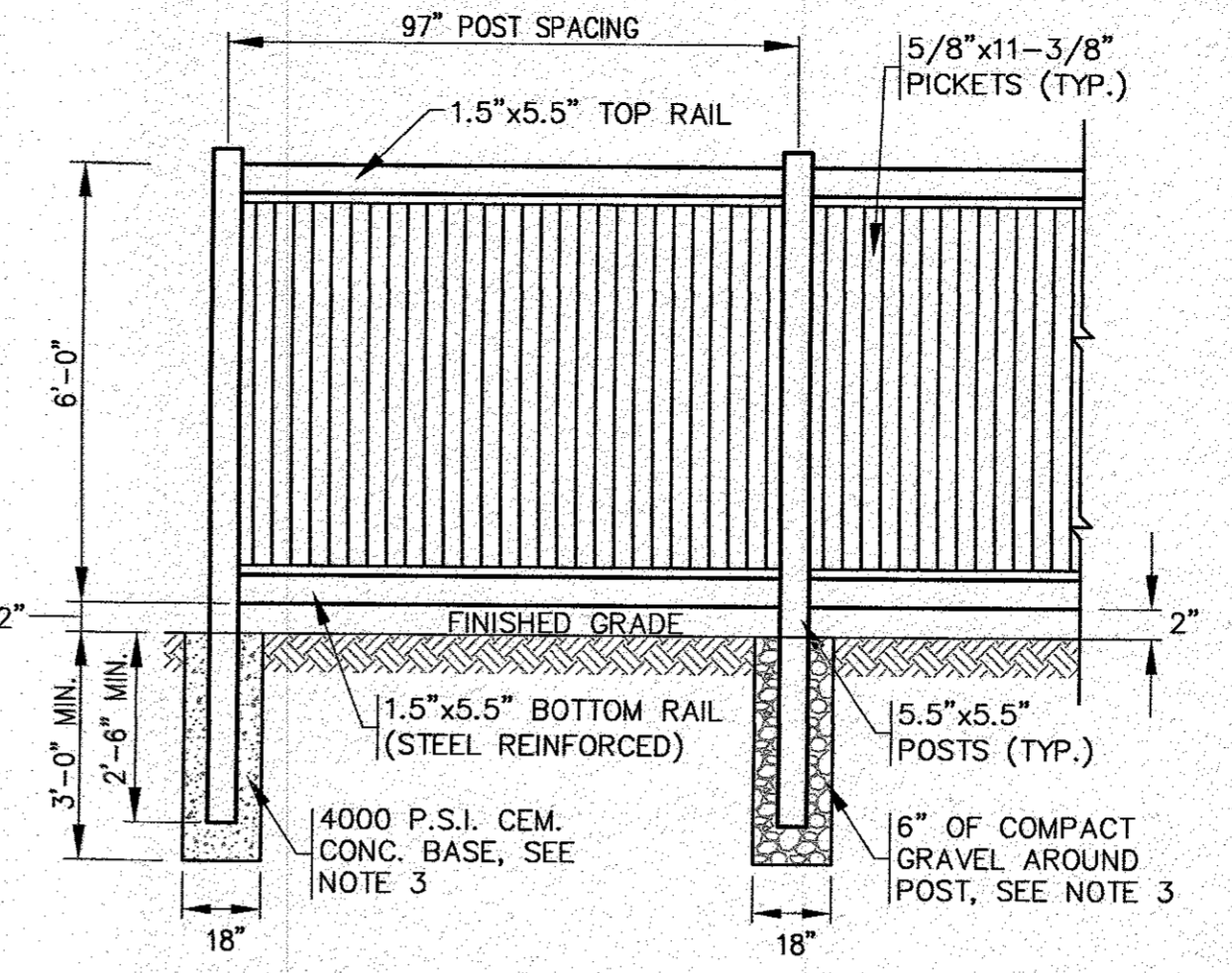
- NOTES:**
- ALL SIGNS, MARKINGS AND DIMENSIONS SHALL BE IN CONFORMANCE WITH THE MOST RECENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MossDOT STANDARDS AND SPECIFICATIONS.
 - REFER TO SITE PLAN FOR LOCATIONS.
 - ALL HARDWARE USED SHALL BE CADMIUM OR ZINC PLATED.

**TYPICAL SIGN POST DETAIL
N.T.S.**



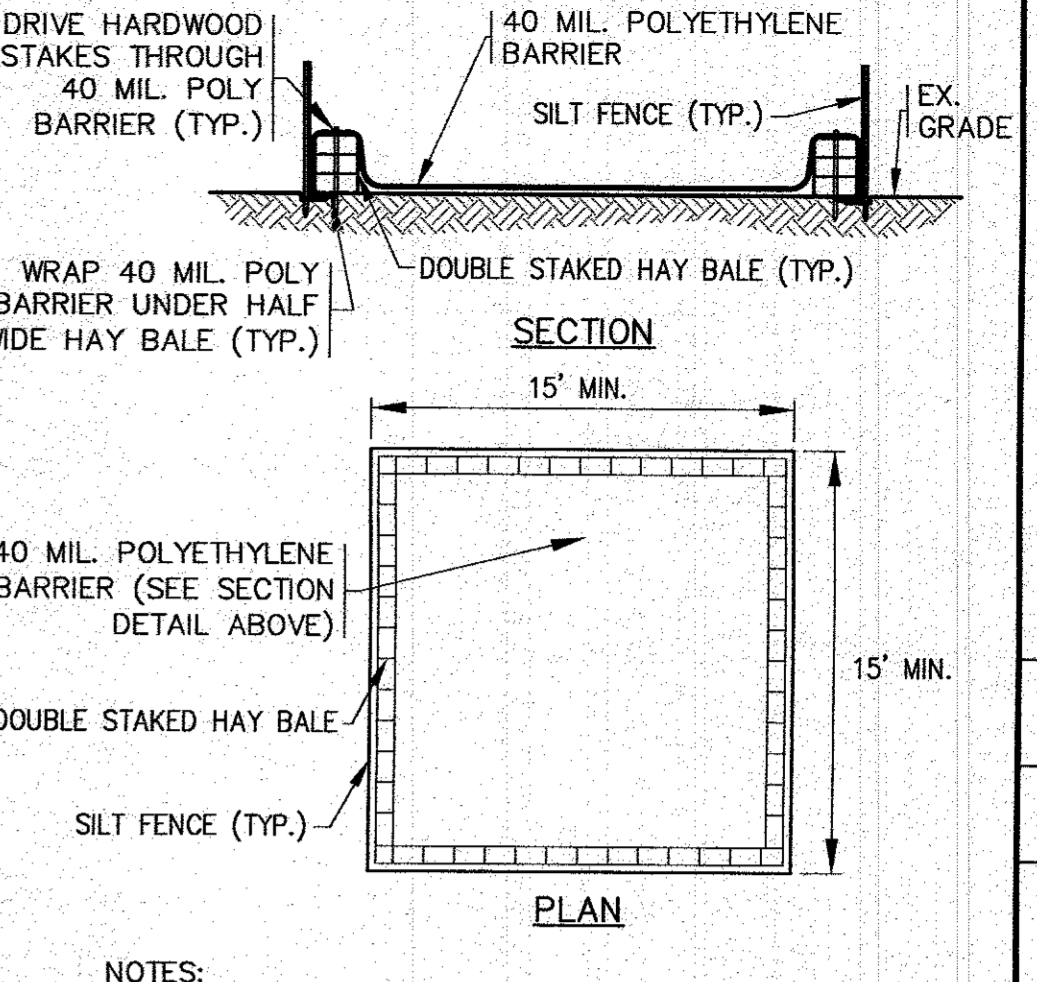
- NOTES:**
- REFER TO PLAN FOR LOCATIONS.

**STANDARD CLEANOUT
N.T.S.**



- NOTES:**
- REFER TO MANUFACTURERS SPECIFICATIONS FOR COMPLETE DETAILS AND INSTALLATION GUIDELINES.
 - REFER TO PLAN FOR LOCATIONS.
 - CEMENT CONCRETE BASE SHALL BE USED AT ALL ENDS, ANGLE POINTS AND GATE POSTS. POSTS SHALL BE INSTALLED TO A DEPTH OF 2'-6" MIN. OR TO A DEPTH AS REQUIRED FOR FROST ADEQUATE PROTECTION.

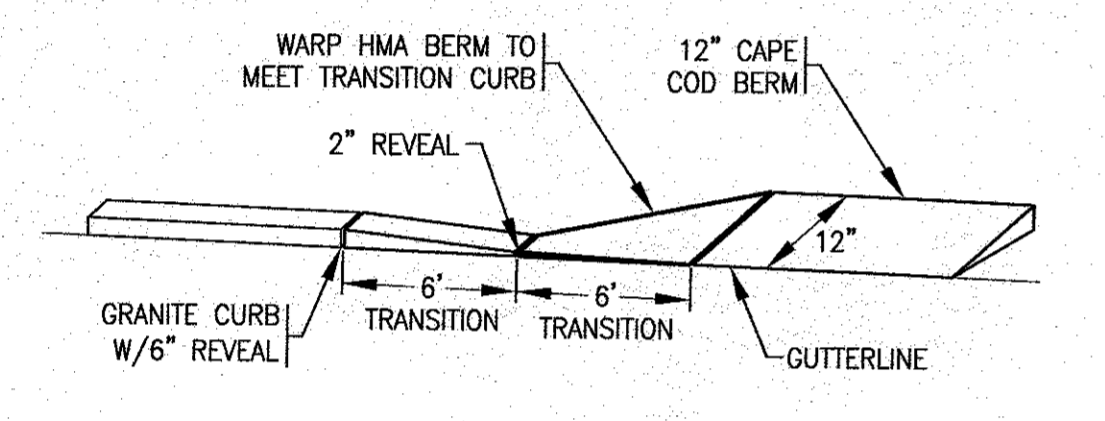
**VINYL FENCE DETAIL
N.T.S.**



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

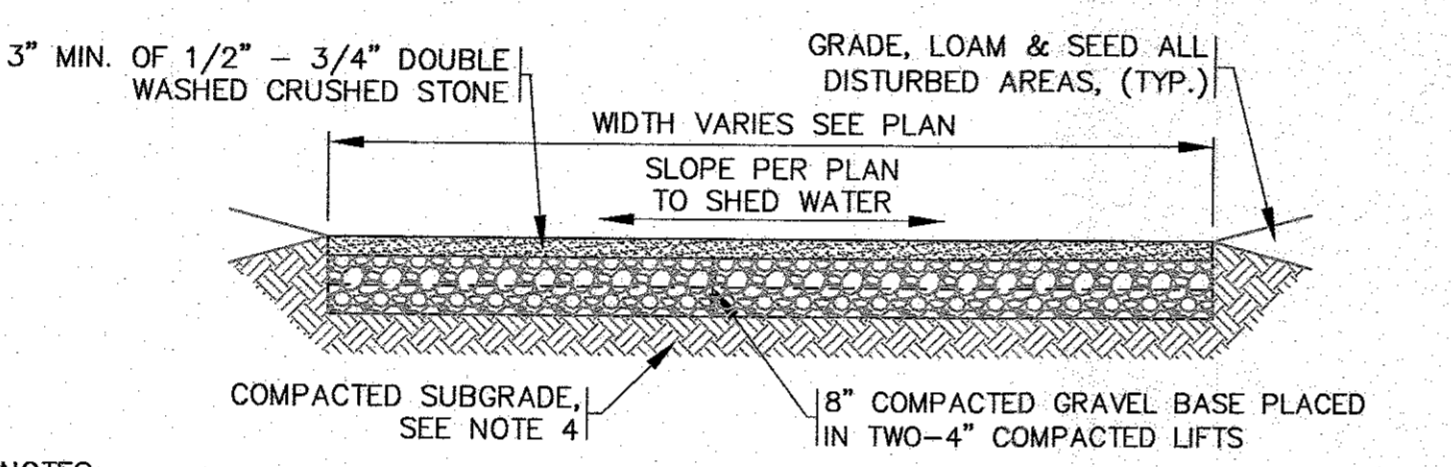
**CONCRETE WASHOUT DETAIL
N.T.S.**

DATE: AUGUST 4, 2022	DRAWN BY: JMP	CHECKED BY: WFM	JOB NO.: 22-9838	SCALE: N.T.S.	REV. DATE	BY	DESCRIPTION	
					1	11/2/22	JMP	NO CHANGES THIS SHEET PER PEER REVIEW COMMENTS
					2	11/8/22	WFM	
					1	11/2/22	JMP	



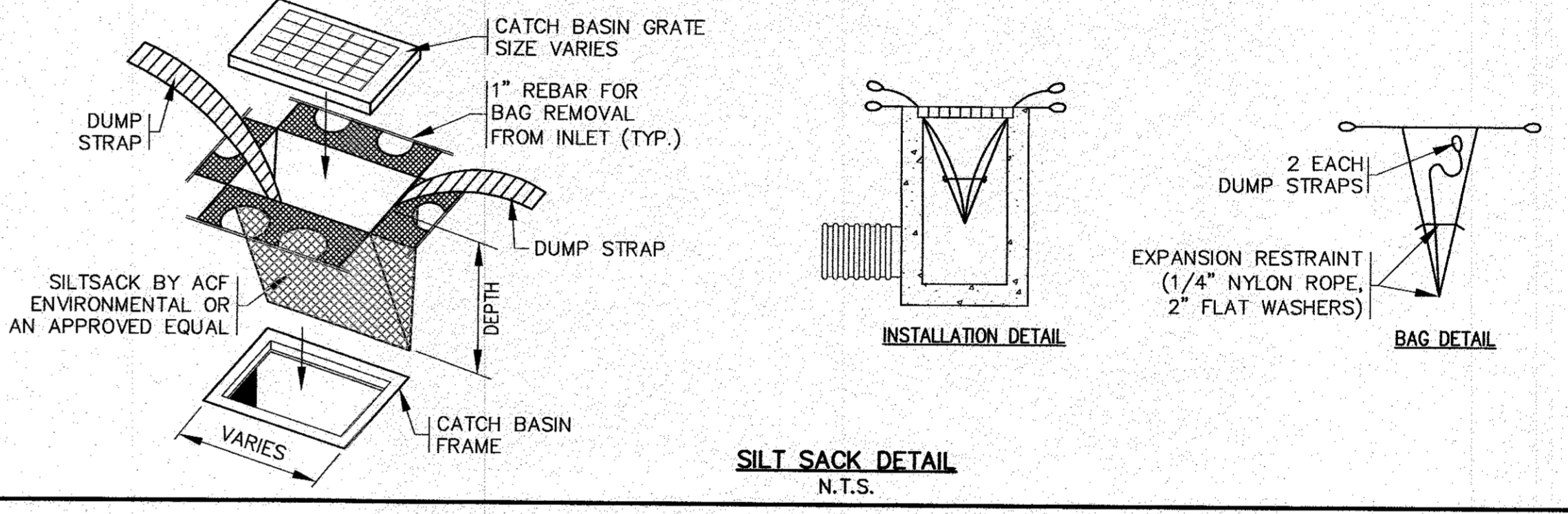
- NOTES:**
- SEE PLAN FOR LOCATIONS.
 - ALL METHODS AND MATERIALS OF CONSTRUCTION SHALL COMPLY WITH THE LATEST REVISION OF MASSDOT STANDARD SPECIFICATIONS.

**GRANITE CURB TO CAPE COD BERM TRANSITION DETAIL
N.T.S.**

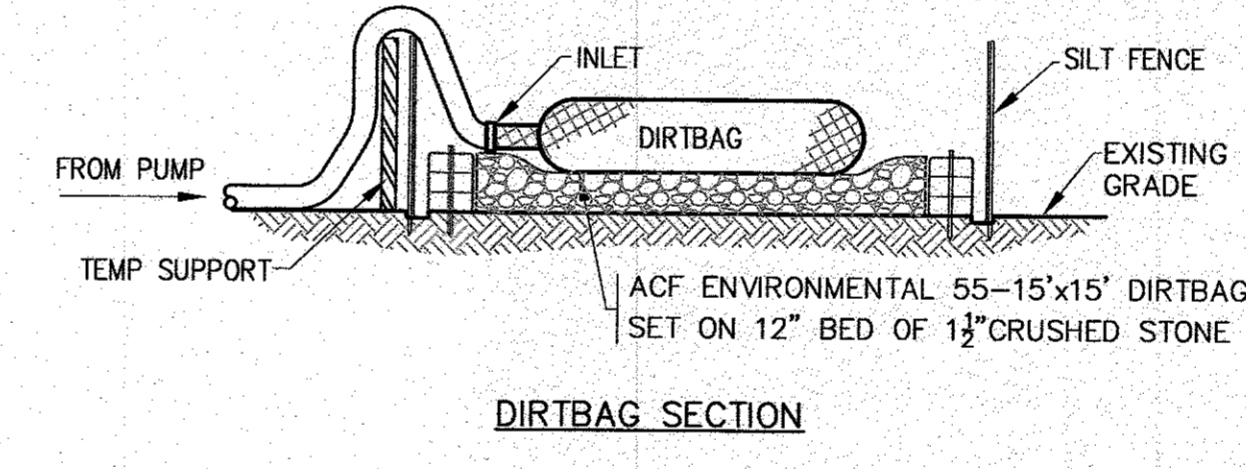


- NOTES:**
- REFER TO PLAN FOR LOCATIONS.
 - GRAVEL BASE SHALL CONFORM TO MASSDOT MATERIAL SPEC. SECTION M1.03.0 TYPE C.
 - SUBGRADE & BASE SHALL BE COMPACTED TO MINIMUM 95% MAXIMUM DRY DENSITY.
 - REMOVE UNSUITABLE SOIL BENEATH THE PROPOSED CRUSHED STONE DRIVEWAY AND ACCESS AISLES. THIS INCLUDES ORGANICS, TOPSOIL, ROOTS AND OTHER UNSUITABLE SOILS.

**CRUSHED STONE DRIVEWAY AND ACCESS AISLES DETAIL
N.T.S.**

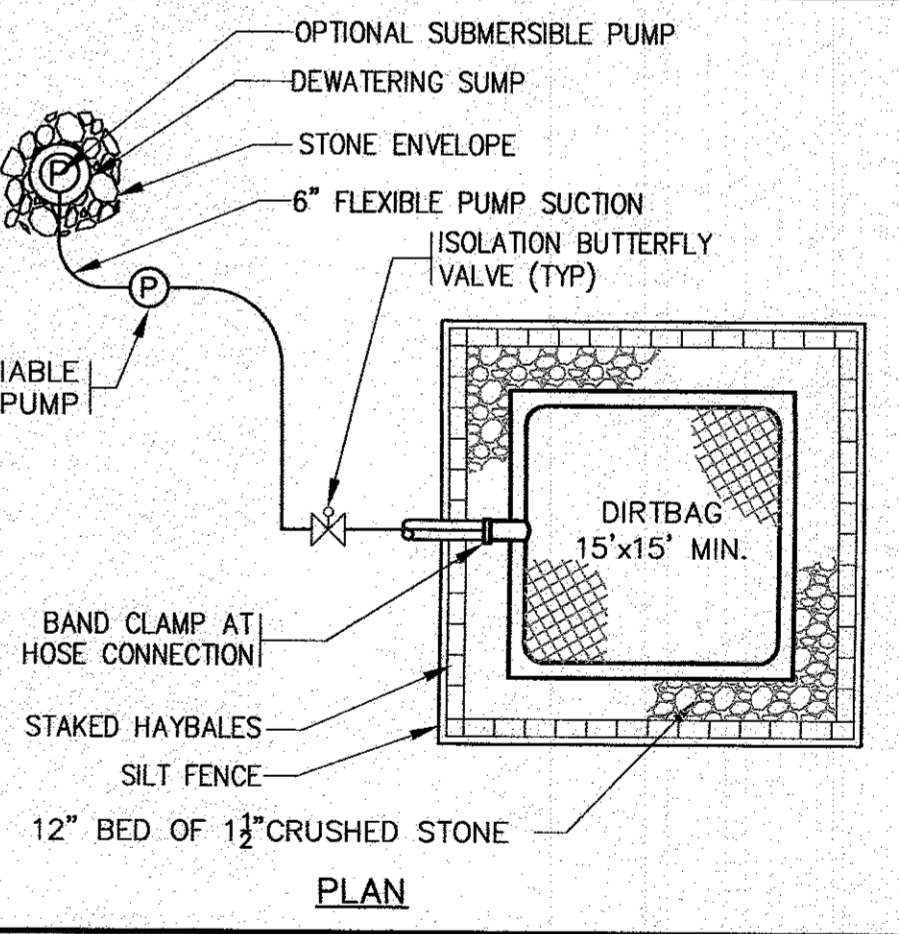


**SILT SACK DETAIL
N.T.S.**



- NOTES:**
- 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.
 - FINAL LOCATION AND SIZE FOR DEWATERING EQUIPMENT SHALL BE FIELD DETERMINED BY CONTRACTOR AT TIME OF CONSTRUCTION.

**ONSITE DEWATERING BASIN
N.T.S.**



APPROVED BY: *[Signature]*

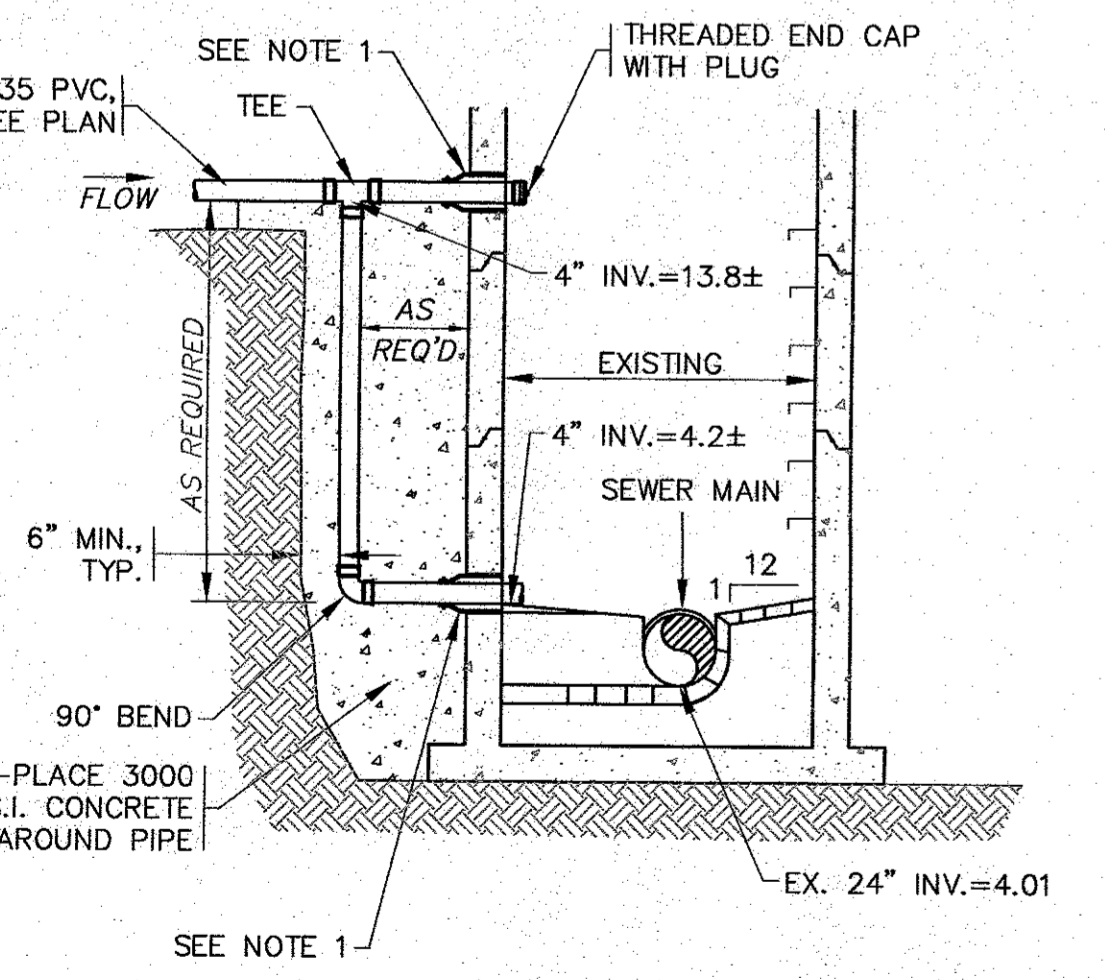
DATE: 10/18/22

WILLIAM HADEN REGISTERED PROFESSIONAL ENGINEER NO. 10208

G.A.F. ENGINEERING, INC.
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266 MAIN STREET - WAREHAM, MA 02571
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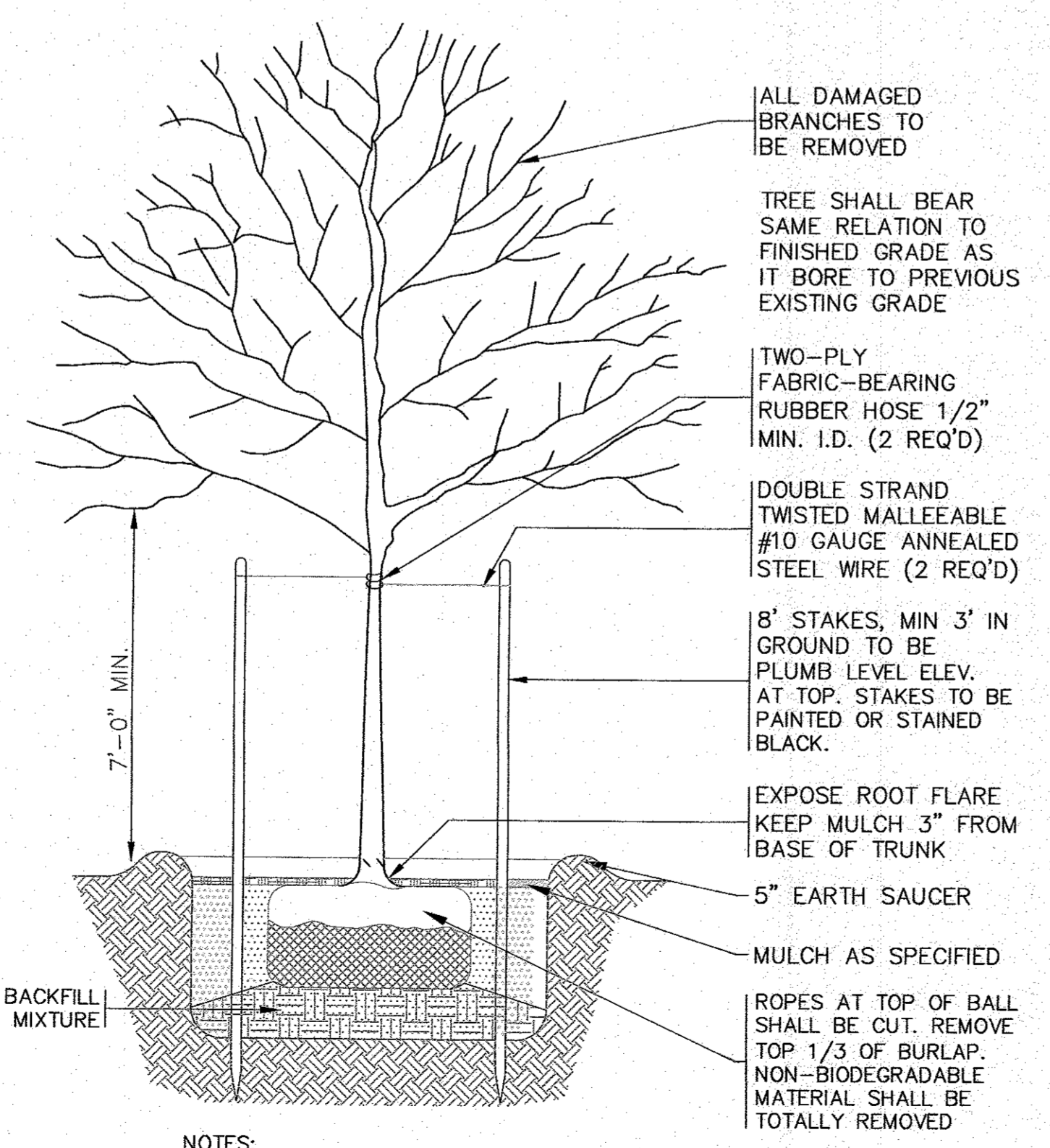
WEBSITE: www.gafengrinc.com

REG. NO. 10208



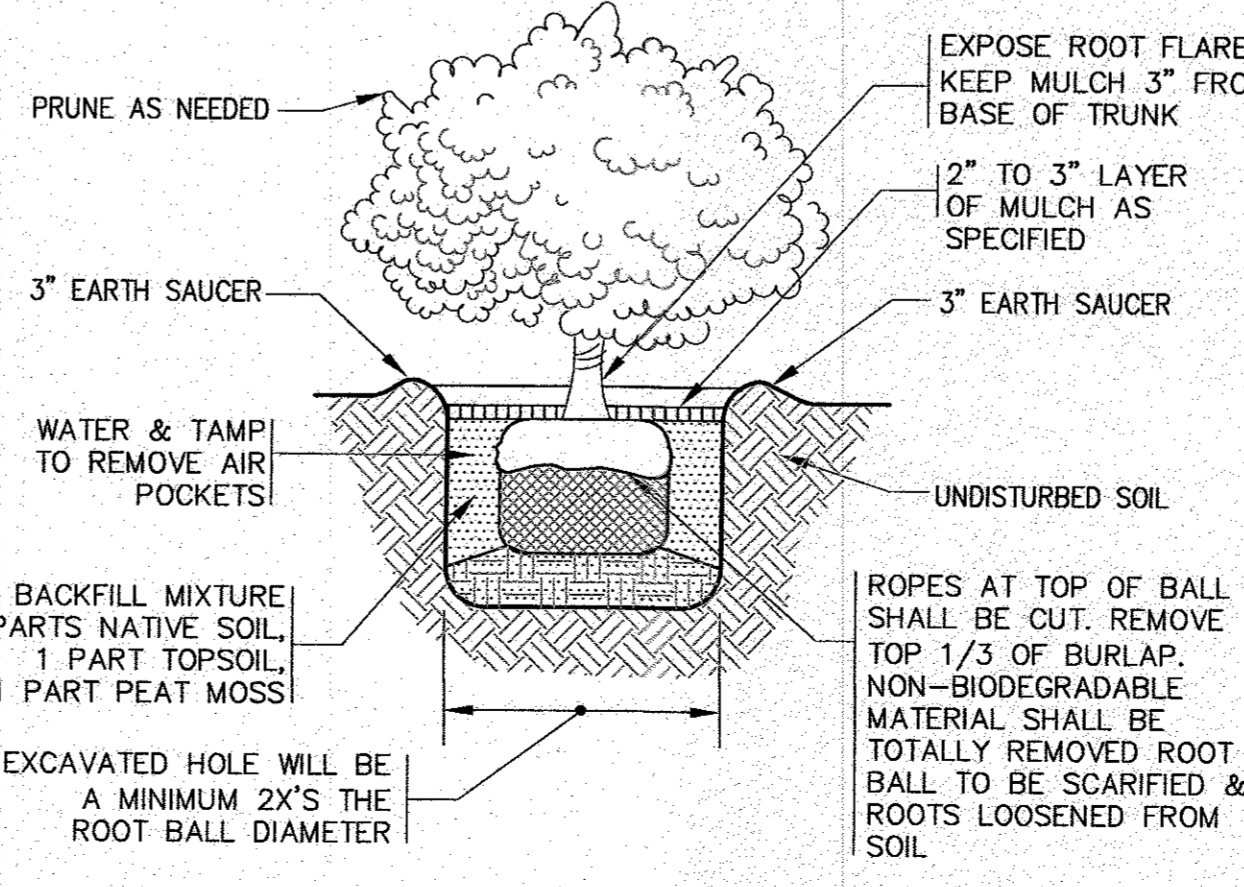
- NOTES:**
- USE WATERTIGHT PENETRATION NON-SHRINK MORTAR OR RESILIENT EPDM RUBBER BOOT WITH INTERNAL EXTERNAL STAINLESS STEEL CLAMPS & EXPANDERS.
 - ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT.
 - REFER TO PLANS FOR PIPE SIZES AND LOCATIONS.

**OUTSIDE DROP - SEWER MANHOLE
N.T.S.**

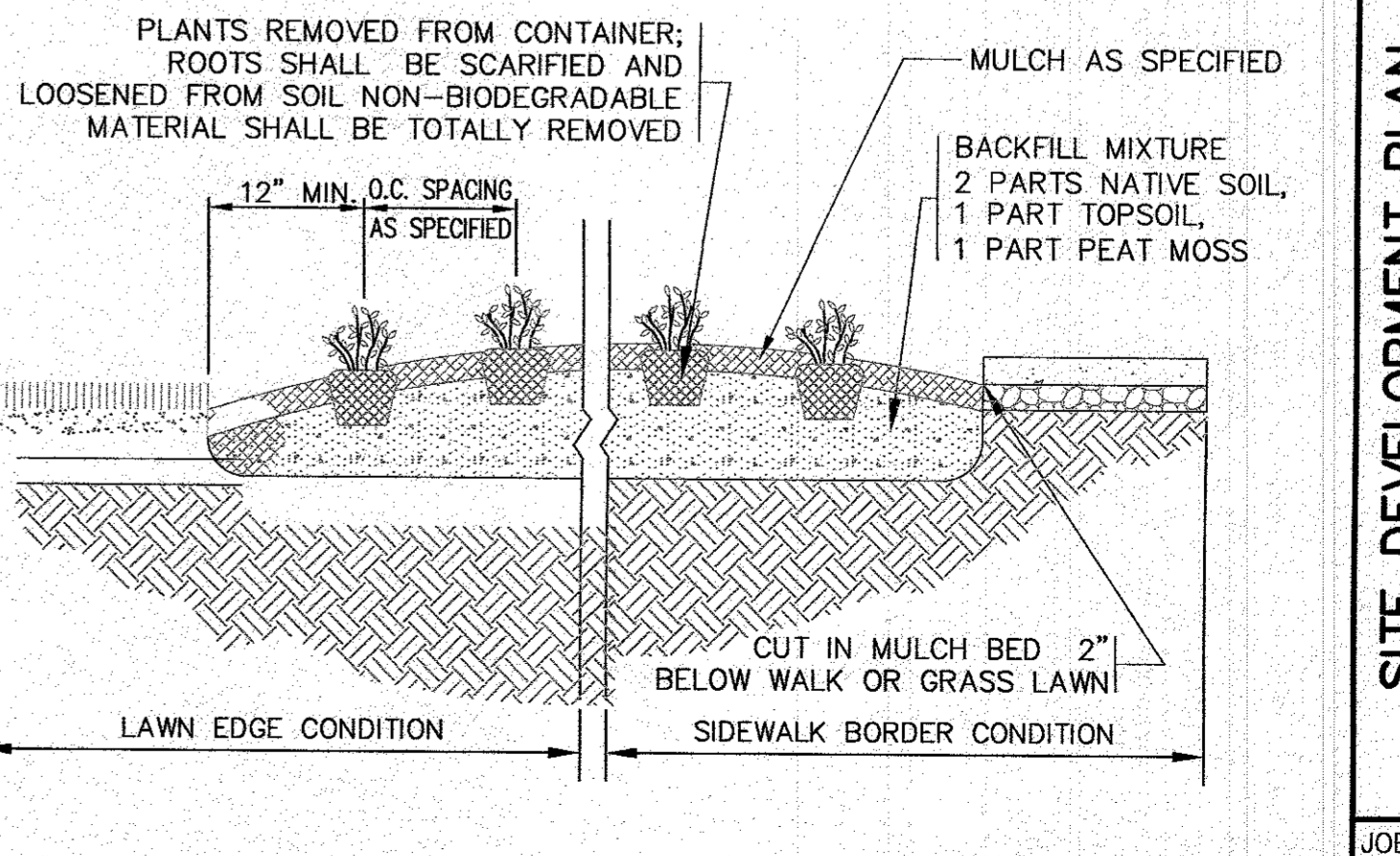


- NOTES:**
- REFER TO LANDSCAPING PLAN FOR PLANTING LOCATIONS.

**SHADE TREE PLANTING DETAIL
N.T.S.**



**SHRUB PLANTING
N.T.S.**



**GROUNDCOVER PLANTING DETAIL
N.T.S.**

**SITE DEVELOPMENT PLAN
DETAIL SHEET 2**

WAREHAM, MA

PREPARED FOR: **DAMIEN'S FOOD PANTRY**

WAREHAM, MA

P.O. BOX 730

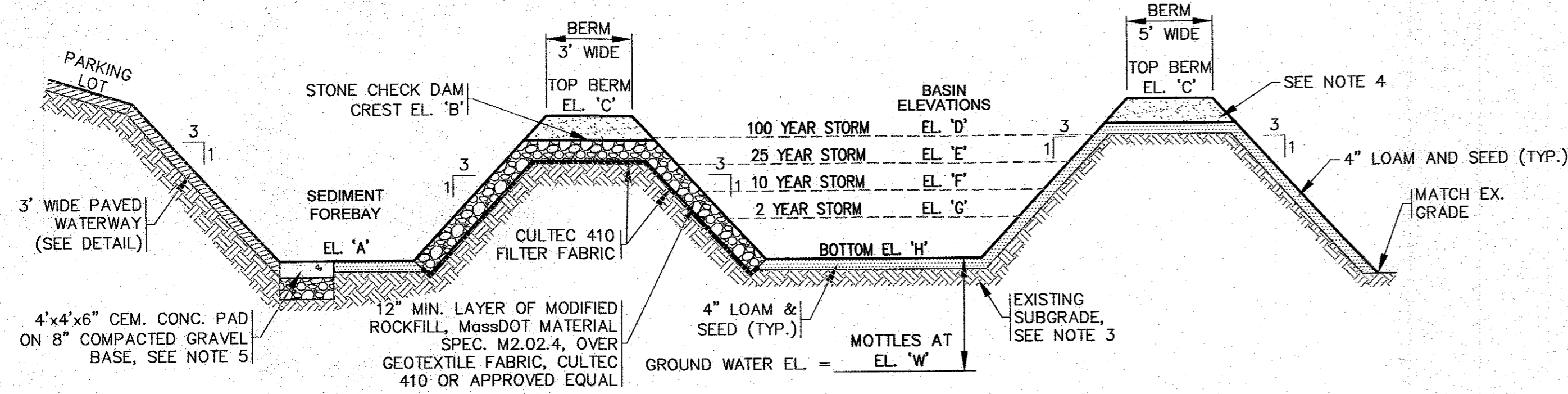
JOB NO.: 22-9838

DWG. 10 OF 12

15 (VAF DRAWINGS) 2022 DRAWINGS 22-9838 (NICK REAS) (WES) (M) (R) (R) SITE PLAN REV. 2.dwg

ELEVATION TABLE:

DESC/EL.	EL. 'A'	EL. 'B'	EL. 'C'	EL. 'D'	EL. 'E'	EL. 'F'	EL. 'G'	EL. 'H'	EL. 'W'
BASIN 1	16.0	17.5	18.5	17.49	16.91	16.56	16.12	16.0	14.0
BASIN 2	15.3	16.5	17.1	16.02	15.73	15.56	15.35	15.3	13.3



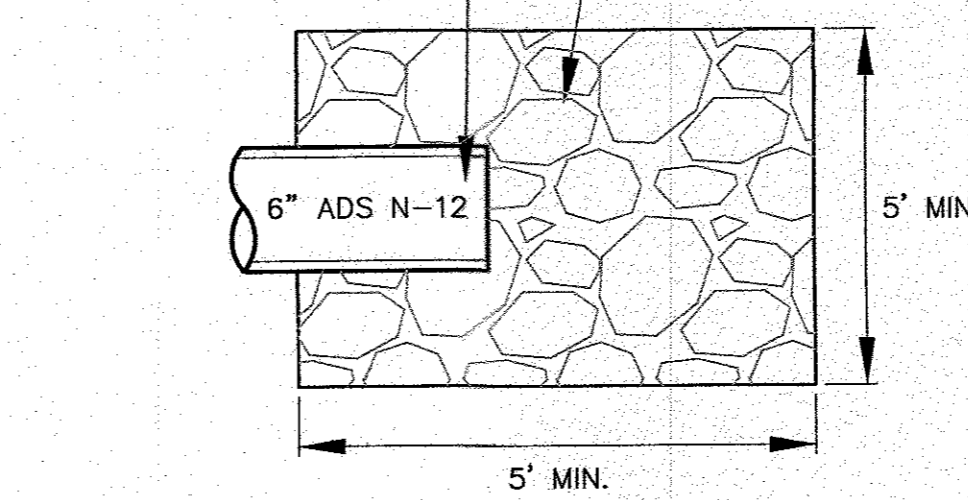
NOTES:

- GRASS SHALL BE MAINTAINED APPROXIMATELY 4" HIGH WITHIN THE DRAINAGE AREAS. REFER TO THE POST CONSTRUCTION MAINTENANCE NOTES.
- SLOPES SHALL BE CLEAR OF ALL OTHER VEGETATION.
- WHERE REQUIRED CONTRACTOR TO REMOVE ALL UNSUITABLE SOILS 2' BENEATH SEDIMENT FOREBAYS & DRAINAGE BASIN AND REPLACE WITH CLEAN SAND AND GRAVEL APPROVED BY DESIGN ENGINEER.
- CONTRACTOR SHALL PLACE COMPACTED ORDINARY BORROW (M1.01.0) WITH STONE SIZE NO LARGER THAN 6" FOR FILL AREAS ADJACENT TO THE EMERGENCY SPILLWAY.
- GRAVEL BASE SHALL CONFORM TO MassDOT MATERIAL SPEC. SECTION M1.03.0 TYPE C.

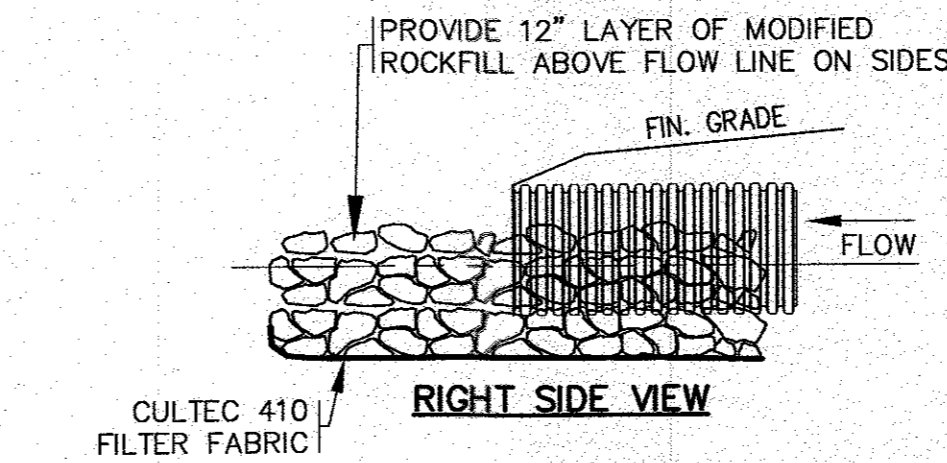
DRAINAGE BASIN DETAIL
N.T.S.

COVER ANY EXPOSED PIPE WITH MODIFIED ROCKFILL, MassDOT SPEC. M2.02.4 OVER GEOTEXTILE FABRIC, CULTEC 410 OR APPROVED EQUAL

12" MIN. LAYER OF MODIFIED ROCKFILL, MassDOT SPEC. M2.02.4, OVER GEOTEXTILE FABRIC, CULTEC 410 OR APPROVED EQUAL

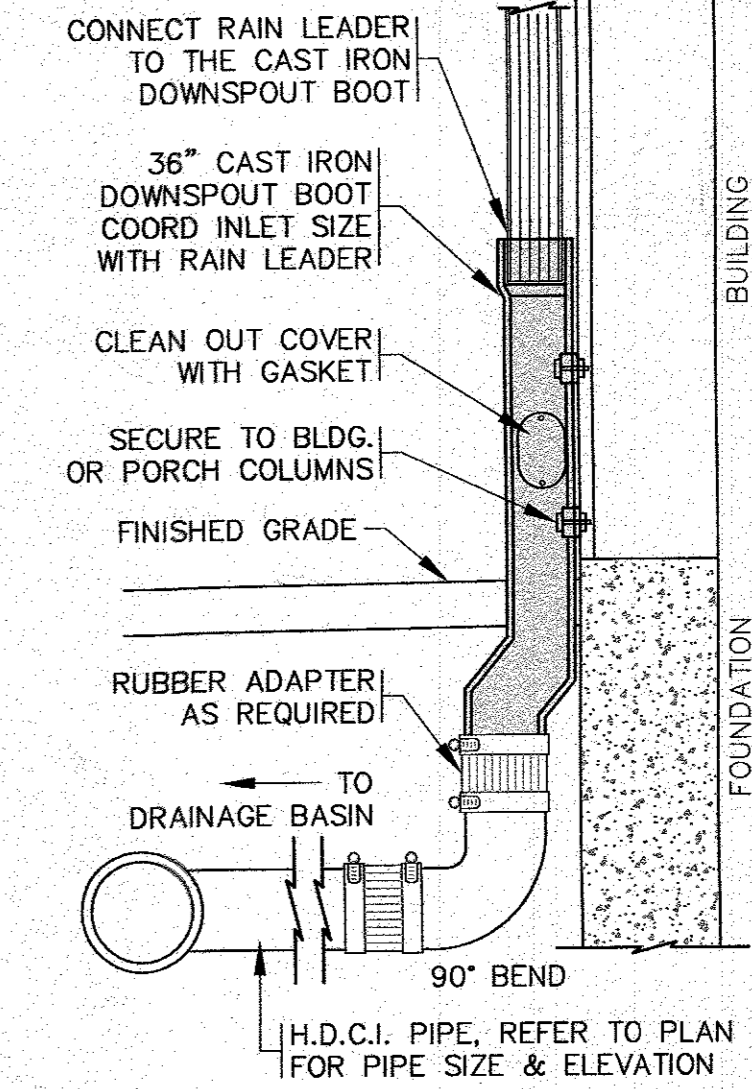


PLAN VIEW



RIGHT SIDE VIEW

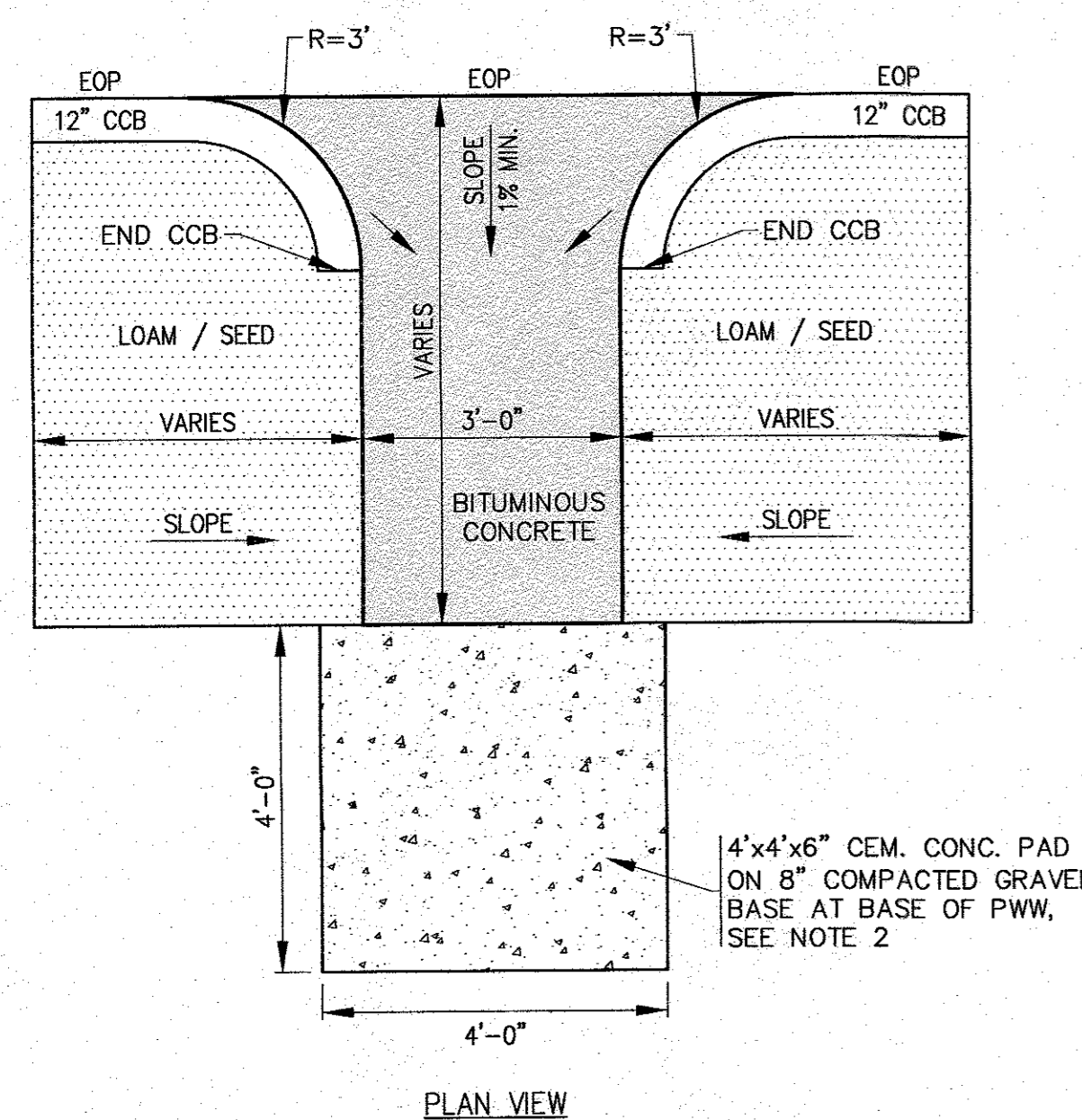
STONE SPLASH PAD
N.T.S.



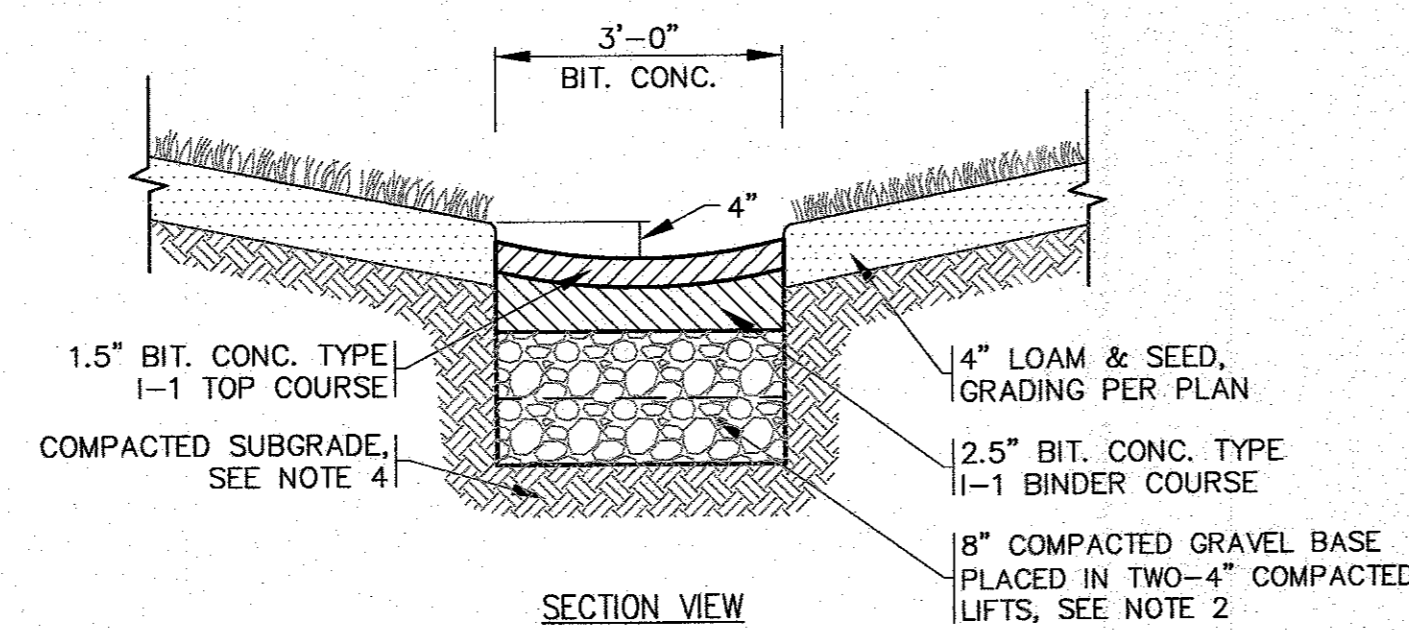
NOTES:

- REFER TO SITE PLAN FOR LOCATIONS, PIPE SIZES, INVERTS, ETC.
- REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT SIZES AND LOCATIONS.

DOWNSPOUT DETAIL
N.T.S.



PLAN VIEW



SECTION VIEW

NOTES:

- REFER TO GRADING & DRAINAGE PLAN FOR LOCATION AND ELEVATIONS OF PAVED WATERWAYS.
- GRAVEL BASE SHALL CONFORM TO MassDOT MATERIAL SPEC. SECTION M1.03.0 TYPE C.
- SUBGRADE & BASE SHALL BE COMPACTED TO MINIMUM 95% MAXIMUM DRY DENSITY.
- REMOVE UNSUITABLE SOIL BENEATH THE PROPOSED PAVED WATERWAYS. THIS INCLUDES ORGANICS, TOPSOIL, ROOTS AND OTHER UNSUITABLE SOILS.

PAVED WATERWAY DETAIL
N.T.S.

DATE	BY	DESCRIPTION
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11/2/22	WFM	PER PEER REVIEW COMMENTS

DATE	BY	DESCRIPTION
11/8/22	JMP	NO CHANGES THIS SHEET
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APPROVED BY:

DATE: AUGUST 4, 2022

DRAWN BY: JMP

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SCALE: N.T.S.

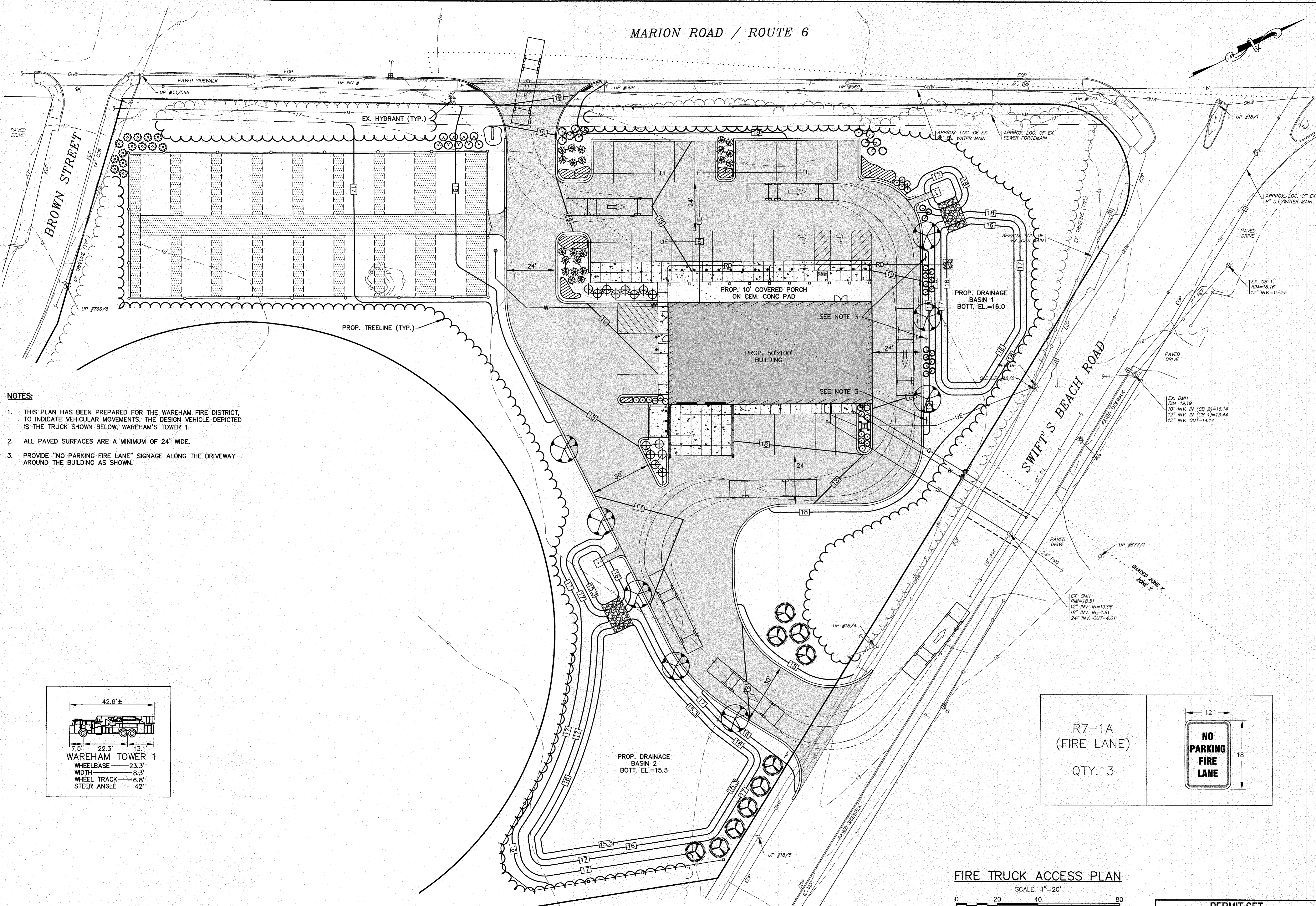
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WAREHAM, MA

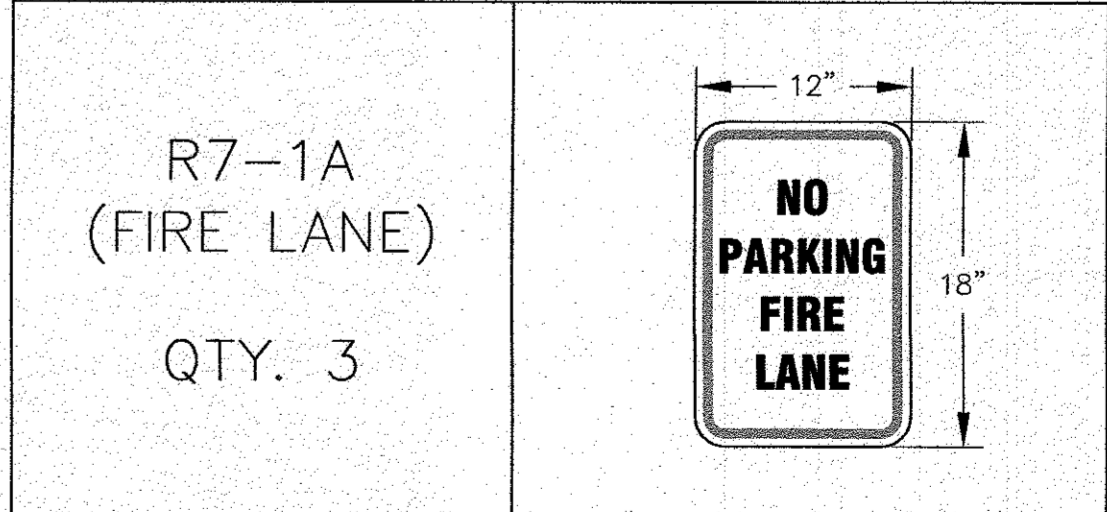
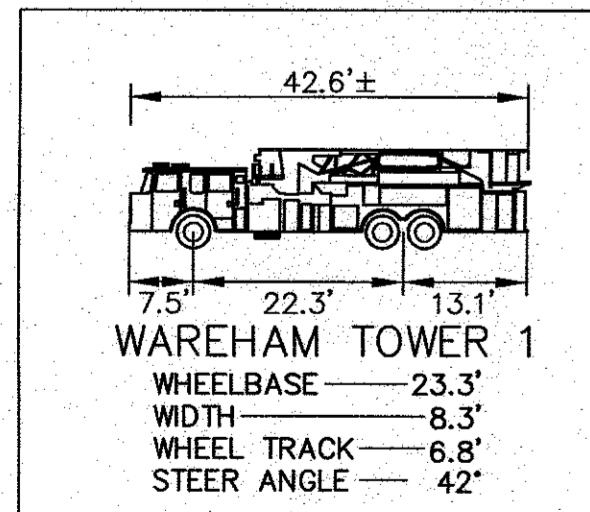
PREPARED FOR:
DAMIEN'S FOOD PANTRY
WAREHAM, MA

H:\DWG\DRAWINGS\2022\220803\22-9838 (NEW) (245)\0838.dwg (9838 SITE PLAN REV-2.dwg)

MARION ROAD / ROUTE 6



- NOTES:**
1. THIS PLAN HAS BEEN PREPARED FOR THE WAREHAM FIRE DISTRICT, TO INDICATE VEHICULAR MOVEMENTS. THE DESIGN VEHICLE DEPICTED IS THE TRUCK SHOWN BELOW, WAREHAM'S TOWER 1.
 2. ALL PAVED SURFACES ARE A MINIMUM OF 24' WIDE.
 3. PROVIDE "NO PARKING FIRE LANE" SIGNAGE ALONG THE DRIVEWAY AROUND THE BUILDING AS SHOWN.



FIRE TRUCK ACCESS PLAN

SCALE: 1"=20'



PERMIT SET
(NOT FOR CONSTRUCTION)

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CHECKED BY: WFM		11/2/22	
JOB NO.: 22-9838	DATE	BY	DESCRIPTION
SCALE: 1" = 20'	REV.		
	1		
	2		
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@gafeng.com		PREPARED FOR: DAMIEN'S FOOD PANTRY 242 MARION ROAD WAREHAM, MA P.O. BOX 730	
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