

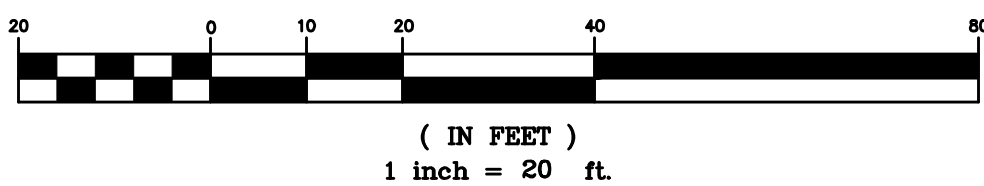
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LEGEND

— V.C. —	VERTICAL GRANITE CURB	⊙	DRAIN MANHOLE
— O.H.W. —	OVERHEAD SERVICE WIRES	⊙	SEWER MANHOLE
— U.P. —	UTILITY POLE	□	CATCH BASIN
— S —	SIGN	— W —	WATER LINE
39.71	SPOT ELEVATION	⊙ W.G.	WATER VALVE
— 40 —	CONTOUR ELEVATION	⊙ F.H.	FIRE HYDRANT
CONCRETE	CONCRETE	⊙ G.V.	GAS VALVE
C.O.	PROP. CLEANOUT	— G —	GAS LINE
CB-1	PROP. CATCH BASIN	— S —	SEWER LINE
DMH-1	PROP. DRAIN MANHOLE	— CS —	COMBINED SEWER/DRAIN LINE
MEG	MEET EXISTING GRADE	⊠	TEST PIT
39.50	PROP. SPOT ELEVATION		
— 40 —	PROP. CONTOUR ELEVATION		

GRAPHIC SCALE



DRAINAGE PIPE SCHEDULE					
FROM: STRUCTURE NUMBER	PIPE SIZE (Inches)	TYPE OF PIPE	APPROX. PIPE LENGTH (feet)	SLOPE OF PIPE (ft./ft.)	TO: STRUCTURE NUMBER
CB-1	12	HDPE	68	0.006	DMH-1
CB-2	8	HDPE	10	0.010	DMH-1
DMH-1	18	HDPE	6	0.000	U/G INF-1
CB-3	12	HDPE	83	0.005	DMH-2
CB-4	12	HDPE	25	0.010	DMH-2
DMH-2	12	HDPE	36	0.007	U/G INF-1

DRAINAGE STRUCTURES

CB-1	RIM=39.90 INV.OUT=36.40	DMH-1 (FD)	RIM=38.80 INV.IN=36.00(CB-1) INV.IN=36.00(CB-2) INV.OUT=36.00
CB-2 *	RIM=38.60 INV.OUT=36.10	DMH-2 (FD)	RIM=39.90 INV.IN=36.25(CB-3) INV.IN=36.25(CB-4) INV.OUT=36.25
CB-3	RIM=39.90 INV.IN=37.20(RD) INV.OUT=36.70	PROPOSED UNDERGROUND INFILTRATION SYSTEM #1 (U/G INF-1) (11) ROWS 18" PERF. HDPE PIPE 815/ROW, S=0.000 FT/FT INV. PIPE=36.00 INV. S IN=36.00 (SEE DETAIL)	
CB-4 *	RIM=39.00 INV.OUT=36.50		

* DENOTES LOW PROFILE FRAME & GRATE/COVER AND TOP SLAB
(FD) DENOTES "FIRST DEFENSE" FD-4HC UNIT - SEE DETAIL (OR APPROVED EQUAL)



LOCATION MAP

(NOT TO SCALE)

NOTES:

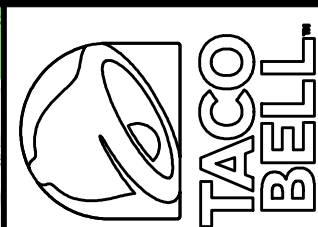
- ALL SITE DRAINAGE PIPE SHALL BE CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE WITH STANDARD JOINTS, DUAL-WALL, SMOOTH INTERIOR, AS MANUFACTURED BY ADS, INC., OR APPROVED EQUAL, UNLESS OTHERWISE NOTED ON PLAN.
- ALL BUILDING ROOF AND CANOPY DRAIN PIPES SHALL BE MIN. 6" PVC(SDR-35), EXCEPT WITHIN 10 FEET OF A BUILDING OR CANOPY FOUNDATION WHERE CAST IRON PIPE SHALL BE USED, MIN. SLOPE=2%.
- ELEVATIONS ARE BASED ON PLAN REFERENCE #1.
- ALL PROPOSED ELEVATIONS AS SHOWN ARE BOTTOM OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED.
- ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE LOCAL AUTHORITIES AND THE DEVELOPER PRIOR TO INSTALLATION. SEE UTILITIES PLAN FOR PROPOSED UTILITY LOCATIONS.
- THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR IS TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION SHALL CONFORM TO NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE AND ALL APPLICABLE STATE AND FEDERAL STANDARDS.
- THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIG-SAFE (811) PRIOR TO COMMENCING ANY EXCAVATION.
- THIS SITE WILL NOT REQUIRE A USEPA NPDES PERMIT FOR STORMWATER DISCHARGE FOR THE SITE CONSTRUCTION SINCE THE DISTURBANCE IS LESS THAN ONE ACRE (ACTUAL DISTURBANCE = 26,000 SF).
- ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO MassDOT AND NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
- SOIL STOCKPILING AREAS TO BE SURROUNDED BY SILT FENCE TO LIMIT EROSION.
- SEE UTILITY PLAN FOR DETAILED UTILITIES INFORMATION.
- SEE EROSION & SEDIMENT CONTROL PLAN FOR DETAILED EROSION CONTROL MEASURES.
- SEE SHEET 11 FOR TEST PIT DATA RESULTS.
- ALL PIPE DATA IS CALCULATED TO CENTER OF STRUCTURE, TYP.
- ALL ADA ACCESSIBLE WALKWAYS CANNOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE, RAMPS CANNOT EXCEED 8.33% RUNNING SLOPE AND 2% CROSS SLOPE, AND HC PARKING STALLS AND ACCESS AISLES CANNOT EXCEED 2% SLOPE IN ANY DIRECTION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL PROPOSED CATCH BASINS SHALL HAVE 4" SUMPS AND OUTLETS EQUIPPED WITH NEW BEDFORD STANDARD OIL HOODS OR APPROVED EQUAL.
- REFER TO OPERATION & MAINTENANCE AND LONG TERM POLLUTION PREVENTION PLAN FOR ON-SITE STORMWATER MAINTENANCE SCHEDULE.
- CONTRACTOR TO INSTALL RISER STRUCTURES AT EACH CORNER OF UNDERGROUND INFILTRATION SYSTEM AND CLEANOUTS AT EACH END OF EACH ROW TO PROVIDE ACCESS POINTS FOR CLEANING AND MAINTENANCE.
 - TOTAL RISERS PROPOSED = 4
 - TOTAL CLEANOUTS PROPOSED = 18
- CONTRACTOR TO INSTALL DRAINAGE FACILITIES STARTING AT THE LOWEST DOWNSTREAM STRUCTURE WITHIN THE DRAINAGE SYSTEM AND WORK BACKWARDS INTO SITE.

PLAN REFERENCES:

- EXISTING CONDITIONS TOPOGRAPHIC SURVEY, PREPARED FOR CIECHANOWSKI DRAYTON, PC, PREPARED BY REED LAND SURVEYING, DATE: AUGUST 5, 2019, REVISED 1/6/20; SCALE: 1"=20'.

OWNER OF RECORD:

TORMAN FAMILY REALTY LLC
123 ROCKDALE AVENUE
NEW BEDFORD, MA 02740
BOOK 15625 PAGE 159



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GRADING & DRAINAGE PLAN

PARCEL I.D. 18 113
123 ROCKDALE AVENUE
NEW BEDFORD, MASSACHUSETTS

DRAWN BY: CPS

CHECKED BY: HS

DATE: 1/8/20

REV. DATE DESCRIPTION

BUILDING TYPE

MEDIUM-40+

VARIATION

SITE NUMBER

DRAWING NUMBER

4529SP.DWG

SHEET NUMBER

C2