Planning Received 6/11/24

SITE PLAN 171 VFW DRIVE

ROCKLAND, MASSACHUSETTS

SITE NOTES:

- PROPERTY LINE AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A FIELD SURVEY BY ZENITH LAND SURVEYORS, LLC. PLYMOUTH COUNTY REGISTRY OF DEEDS:
 - DEED REFERENCE: BOOK 44749 PAGE 216

- O KNOWN WETLANDS WITHIN 100' NOR ANY STREAM, BROOK OR RIVER WITHIN 200' OF THE PROPOSED WORK.
- THE PROJECT IS NOT LOCATED WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC).
- THE SITE IS NOT LOCATED IN A ZONE II TO A PUBLIC WATER SUPPLY WELL.

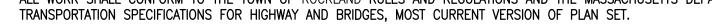
 THE SITE IS PARTIALLY IN A ZONE A TO A SURFACE WATER SUPPLY AREA. ALL PROPOSED WORK IS OUTSIDE OF THIS AREA.

CONSTRUCTION NOTES:

- A NPDES PERMIT MUST BE OBTAINED FOR THIS PROJECT PRIOR TO CONSTRUCTION.

- 9. IF APPLICABLE, ANY RETAINING WALLS SHALL BE DESIGNED BY A MASSACHUSETTS REGISTERED PROFESSIONAL STRUCTURAL ENGINEER.

 10. ALL WORK SHALL CONFORM TO THE TOWN OF ROCKLAND RULES AND REGULATIONS AND THE MASSACHUSETTS DEPARTMENT OF





	ZONING SUMMARY AND COMPLIANCE TABLE (ZONE						
CRITERIA		REQUIRED	PROPOSED				
	LOT AREA	NONE	455,050± S.F.				
	UPLAND AREA	22,000 S.F.	455,050± S.F.				
	FRONTAGE	110'	318.95'				
	LOT WIDTH	110'	318.35'				
	FRONT BUILDING SETBACK	20'	29.4'				
	SIDE BUILDING SETBACK	30'	33.0'				
	REAR BUILDING SETBACK	30'	> 30'				
	BUILDING COVERAGE	80%	10%				
	BUILDING HEIGHT	3 STORIES / 36'	35.33'				

SCHEDULE OF DRAWINGS						
SHEET ID	PLAN TITLE	LATEST REVISION DATE				
С	COVER SHEET	-				
X	EXISTING CONDITIONS PLAN	_				
Р	PROPOSED CONDITIONS PLAN	_				
E	EROSION CONTROL PLAN	-				
D	SITE DETAILS	-				
٧	VEHICLE TURNING PLAN	-				
L	LIGHTING PLAN*	-				

* LIGHTING PLAN BY BENJAMIN P. ROWE

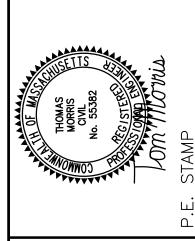


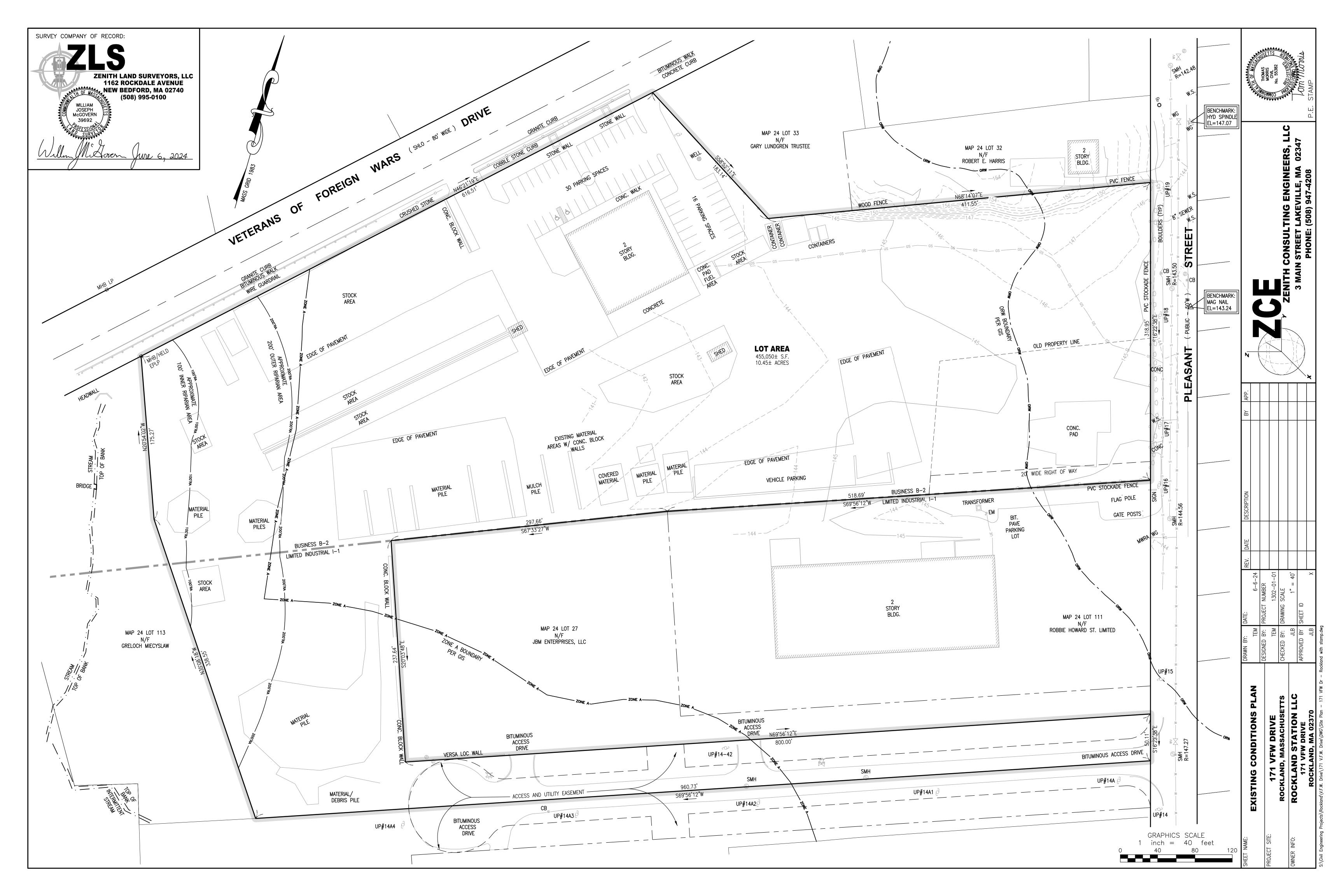
LOCUS PLAN SCALE: 1"=500'

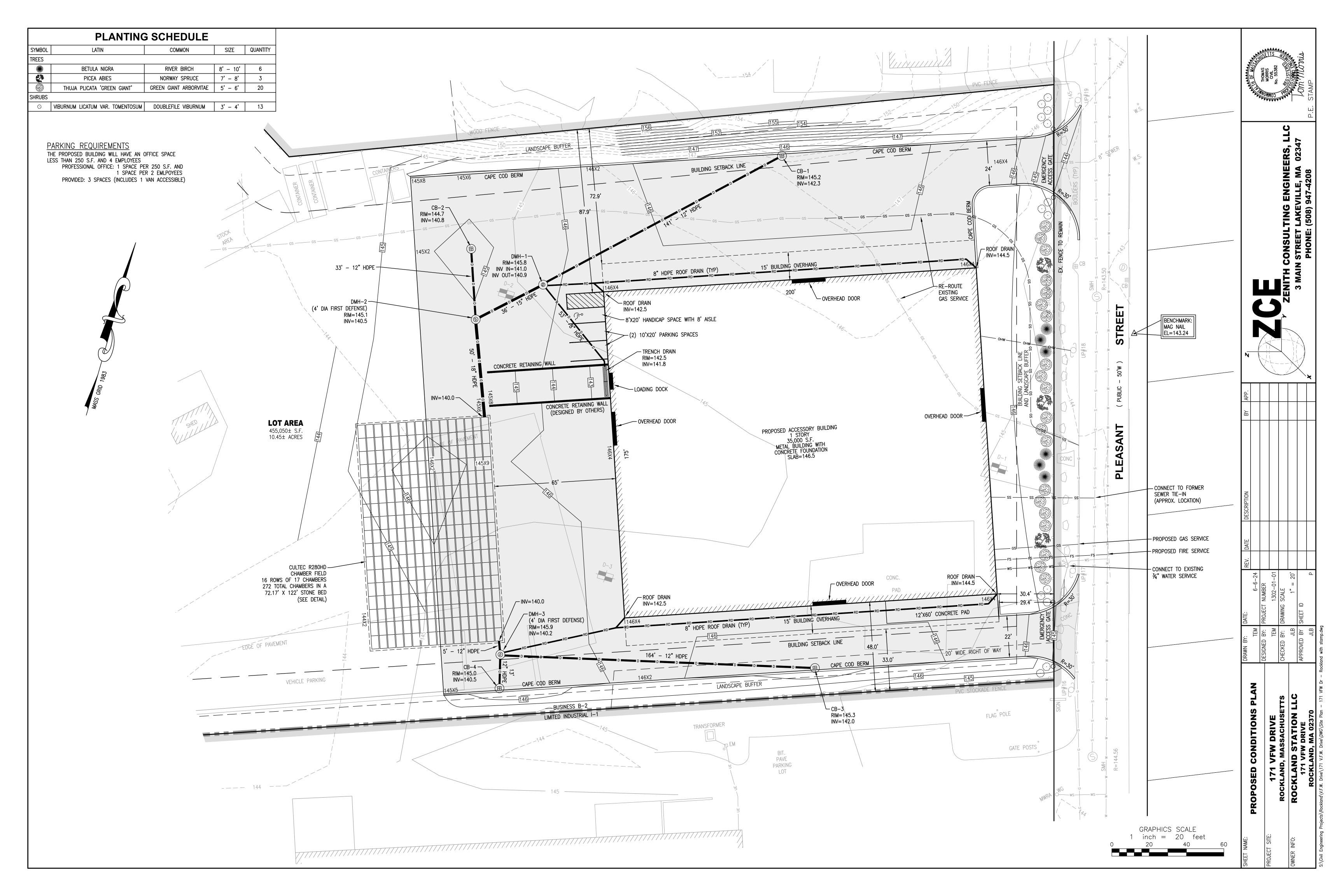
OWNER/APPLICANT ROCKLAND STATION LLC 171 VFW DRIVE ROCKLAND, MA 02370



	LEGEND	
EXISTING	DESCRIPTION	PROPOSED
LAISTING	BUILDING	TITITIOFOSED
99/100	CONTOUR	
100X0	SPOT GRADE	100X0
	DRAINAGE BOUNDARY	
	TIME OF CONCENTRATION	
	SILT FENCE/SILT SOCK HAYBALE LINE	
	CHAINLINK FENCE	
	STOCKADE FENCE	
X	WIRE FENCE	x
0 0 0 0	GUARDRAIL	0 0 0 0 0
	RAILROAD TRACKS	
	SIGN	- o -
	MAILBOX	
(MH)	TEST PIT UNKNOWN MANHOLE	
D D	DRAINAGE PIPE	DD
RDRD	ROOF DRAIN PIPE	RDRD
П	CATCH BASIN	
	DOUBLE GRATE CATCH BASIN	
	CURB INLET	
0	DRAIN MANHOLE	0
	FLARED END	
G G	GAS MAIN	G G
GS GS	GAS SERVICE	— GS — GS —
© gv,	GAS MANHOLE GAS GATE/VALVE	© ,sy,
	GAS GATE/VALVE GAS METER	<u> </u>
	CABLE	
ETC —	ELEC/TELE/CABLE	ETC
OHW	OVERHEAD WIRES	———— OHW ————
— UE —— UE —	UNDERGROUND ELECTRIC	— UE —— UE —
— UT — UT —	UNDERGROUND TELEPHONE	
<u> </u>	ELECTRIC MANHOLE	<u> </u>
	TELEPHONE MANHOLE	<u> </u>
	HANDHOLE ELECTRIC METER	
T	TRANSFORMER	T
<u> </u>	UTILITY POLE	
-(1)	GUY POLE	-0
+	GUY WIRE	+
\$	LIGHT POLE	‡
•	FLOOD LIGHT	
<u>-</u> ф-	TRAFFIC SIGNAL	<u>-</u>
S S	GRAVITY SEWER MAIN FORCE SEWER MAIN	S S
— SS — SS —	SEWER SERVICE	— SS — SS —
<u> </u>	SEWER MANHOLE	<u> </u>
sv	SEWER VALVE	<u>\</u>
——FS ———FS ——	FIRE SUPPRESSION SERVICE	—
	WATER MAIN	—— W ——— W ———
WSWS	WATER SERVICE	——WS———WS——
WV	HYDRANT WATER OATE (AALVE	₩
WV ASO	WATER GATE/VALVE	34.2°
	WATER SHUTOFF WELL	** (10)
<u> </u>	WELL WATER MANHOLE	<u>\</u>
	MONITORING WELL	$\stackrel{ }{\bigcirc}$
	TREELINE	
OOOOOOOOOOOOOOOOOOOOOO	STONEWALL	· 000000000000000000000000000000000000
· · · · · ·	WETLAND LINE	
<u> </u>	TOP OF BANK	
_	FLOOD ZONE	
ZONE A	EDGE OF WATER ZONE A BOUNDARY	
— NHESP — — —	NATURAL HERITAGE BOUNDARY	
WRPD WRPD	WRPD BOUNDARY	
25'B	25' BUFFER	
50'B	50' BUFFER	
75'B	75' BUFFER	
100'B	100' BUFFER	
150'B	150' BUFFER	
100'RA	100' RIPARIAN ZONE	
200'RA ———	200' RIPARIAN ZONE	
● WF10	WETLAND FLAG BENCHMARK	
<u> </u>	CONTROL POINT	
<u> </u>	MAG NAIL	
•	DRILLHOLE	
⊡	CONCRETE BOUND	
S	STONE BOUND	
0	IRON PIPE	
●	REBAR	





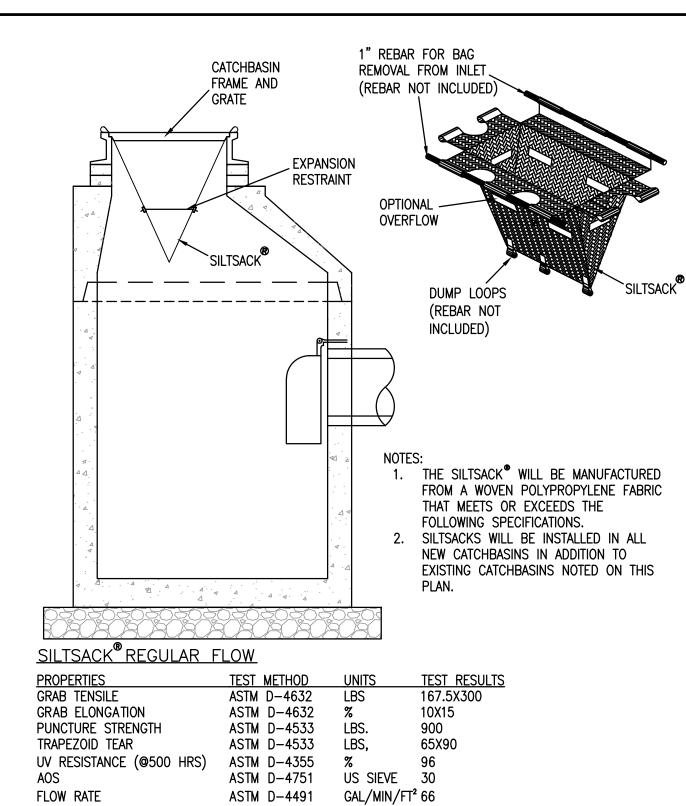


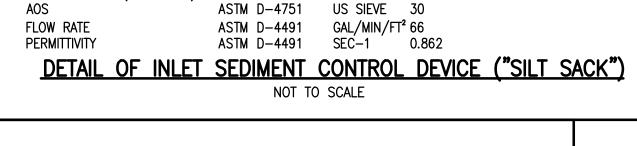
EROSION & SEDIMENT CONTROL NOTES:

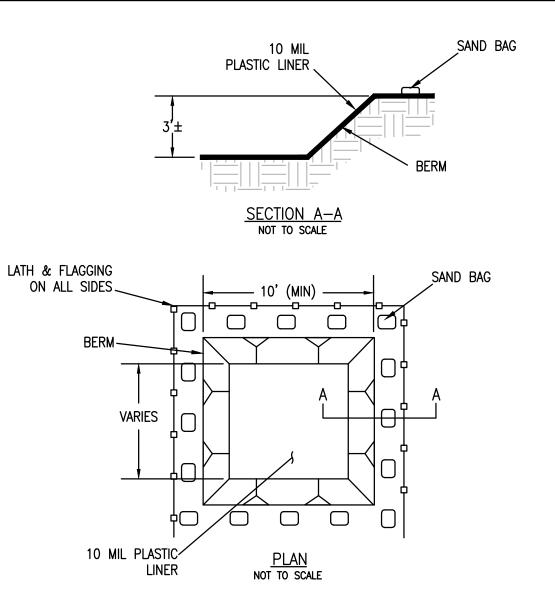
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT SEDIMENTATION TO OFFSITE PROPERTIES. IT IS INTENDED THAT THE IMPLEMENTATION OF THE FOLLOWING MEASURES WILL MEET THIS GOAL. WHEN IT IS CLEAR TO THE DESIGNER THAT EROSION AND SEDIMENTATION HAVE BEEN ADEQUATELY CONTROLLED WITHOUT THE IMPLEMENTATION OF EVERY MEASURE, ADDITIONAL MEASURES NEED NOT BE IMPLEMENTED. ALTERNATIVELY, IF ALL OF THE FOLLOWING MEASURES HAVE BEEN IMPLEMENTED AND THE CONTROL OF EROSION AND SEDIMENTATION IS INADEQUATE, THE CONTRACTOR MUST EMPLOY SUFFICIENT SUPPLEMENTAL MEASURES BEYOND THE SCOPE OF THIS PLAN.
- 1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- 2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED FILTER SOCK DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.
- 3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.
- 4. CATCH BASINS WILL BE PROTECTED WITH FILTER SOCKS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SILT SOCKS SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.
- 5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS: 45% KENTUCKY BLUE GRASS, 45% CREEPING RED FESCUE, 10% PERENNIAL RYEGRASS SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15. AFTER OCTOBER 15, AREAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH. AS REQUIRED. TO CONTROL EROSION.
- 6. AREAS THAT ARE NOT THE LOCATION OF ACTIVE CONSTRUCTION WHICH ARE TO BE LEFT BARE FOR OVER ONE MONTH BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL BE MULCHED OR RECEIVE TEMPORARY STABILIZATION SUCH AS JUTE NETTING OR SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS./1,000 SQ. FT. LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS./1,000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR—DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER.
- 7. AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10') FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.
- 8. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMPLETION.
- 9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.
- 10. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE MIDDLEBOROUGH PLANNING BOARD OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- 11. THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/2 INCH, WHICHEVER OCCURS FIRST. THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE PLANNING DEPARTMENT AND CONSERVATION COMMISSION OFFICE ON A MONTHLY BASIS.
- 12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF THE CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC AND ABUTTING PROPERTIES.
- 14.IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
- 15. FILTER SOCK SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
- 16. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.
- 17.EROSION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE FOLLOWED BY THE GENERAL CONTRACTOR AND ALL INDIVIDUAL HOME BUILDERS.
- 18. ANY SLOPE GREATER THAN 3:1 SHALL BE STABILIZED WITH STUMP GRINDINGS (OR EQUIVALENT) AND INSPECTED ON A WEEKLY BASIS THROUGHOUT THE CONSTRUCTION PERIOD. ANY EROSION OR SLUMPING DISCOVERED SHALL BE REPAIRED AND STABILIZED IMMEDIATELY. INSPECTIONS SHALL CONTINUE UNTIL THE SLOPE IS CONSIDERED FULLY STABILIZED.

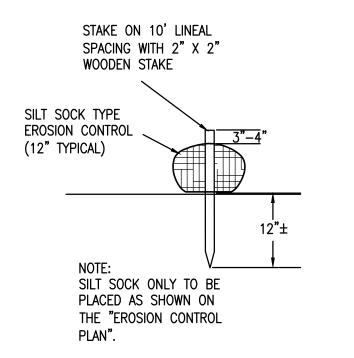
OPERATION AND MAINTENANCE SCHEDULE

- THE OPERATION AND MAINTENANCE (O&M) SCHEDULE DURING THE CONSTRUCTION PHASE IS THE RESPONSIBILITY OF THE DEVELOPER AND/OR SITE CONTRACTOR. THE OUTLINE BELOW SHALL BE ADHERED TO AS CLOSELY AS POSSIBLE TO ENSURE THE PROPER CONSTRUCTION AND FUNCTION OF THE DRAINAGE SYSTEM.
- 1. PRIOR TO CONSTRUCTION, SILT SOCK SHALL BE INSTALLED PER THE APPROVED PLANS. THE EROSION CONTROL SHALL BE INSPECTED PRIOR TO A LARGE STORM EVENT TO ENSURE THAT THE EROSION CONTROL WILL FUNCTION AS REQUIRED AND FOLLOWING A STORM TO INSPECT FOR DAMAGE TO THE EROSION CONTROL ELEMENTS. ANY DAMAGE OR IMPROPER INSTALLATION THAT IS NOTICED PRIOR TO OR FOLLOWING A STORM EVENT SHALL BE PROMPTLY REPLACED OR REPAIRED IN A SATISFACTORY MANNER SO AS TO PREVENT SEDIMENT FROM BYPASSING THE EROSION CONTROL BARRIER
- 2. THE CATCH BASINS, FIRST DEFENSE UNITS AND INFILTRATION SYSTEM SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION. ANY SEDIMENT BUILDUP OF EIGHT (8) INCH DEPTH IN THE STRUCTURES SHALL BE PROMPTLY REMOVED BY HAND OR MECHANICAL METHODS AND ALL DEBRIS REMOVED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 3. THE ANTI-TRACKING PAD SHALL BE INSPECTED DAILY. THE STONE AND SEDIMENT MUST BE REMOVED AND REPLACED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENT FROM PLEASANT STREET. DAILY SWEEPING SHALL BE PERFORMED AS NEEDED TO REMOVE ANY SEDIMENT IN PLEASANT STREET.
- THIS SCHEDULE MUST BE ADHERED TO BY THE OWNER AND/OR CONTRACTOR UNTIL THE PROJECT IS FINISHED AND FULLY STABILIZED.

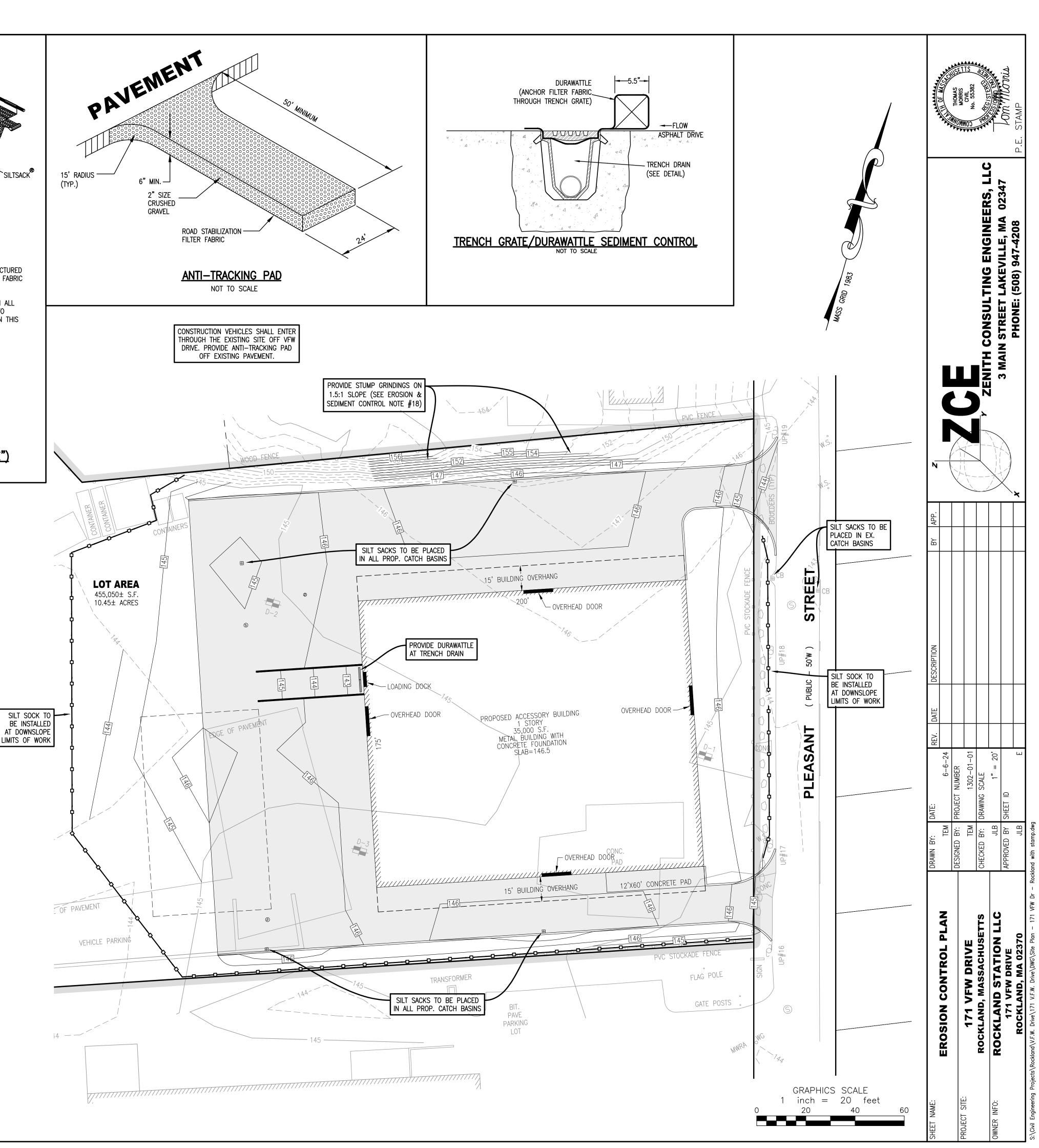


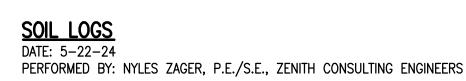


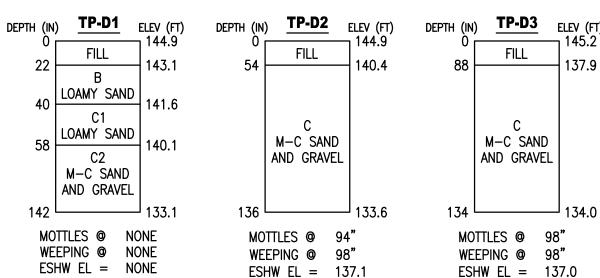


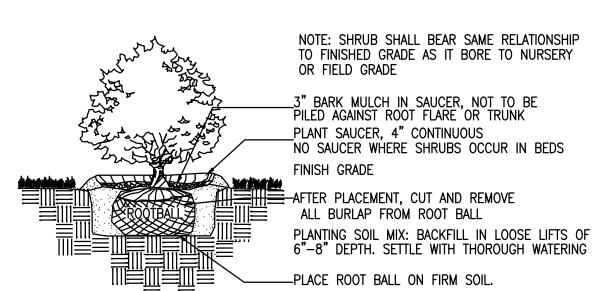






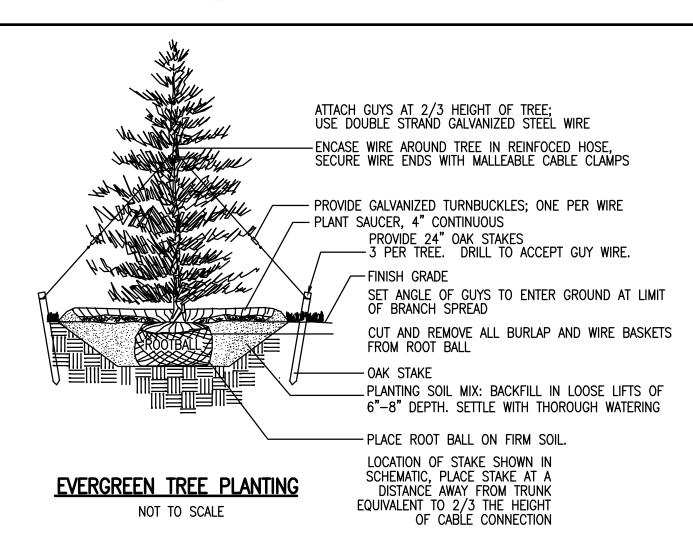


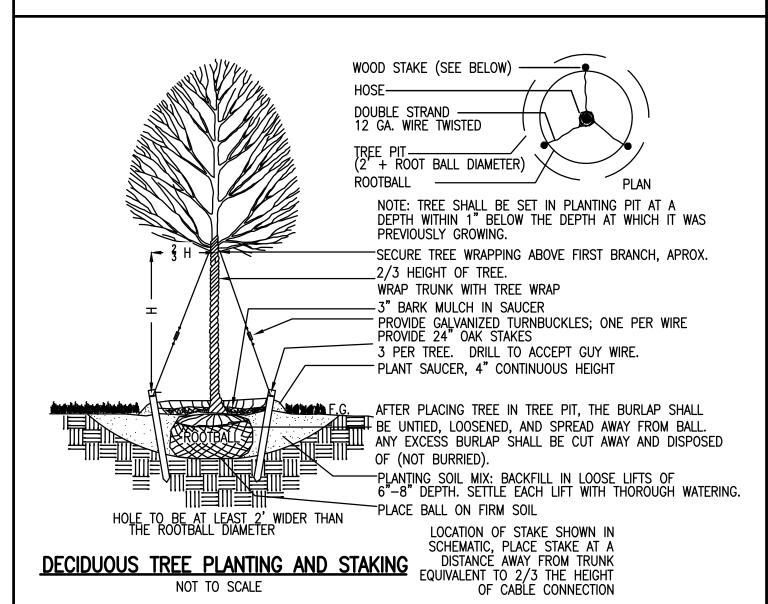


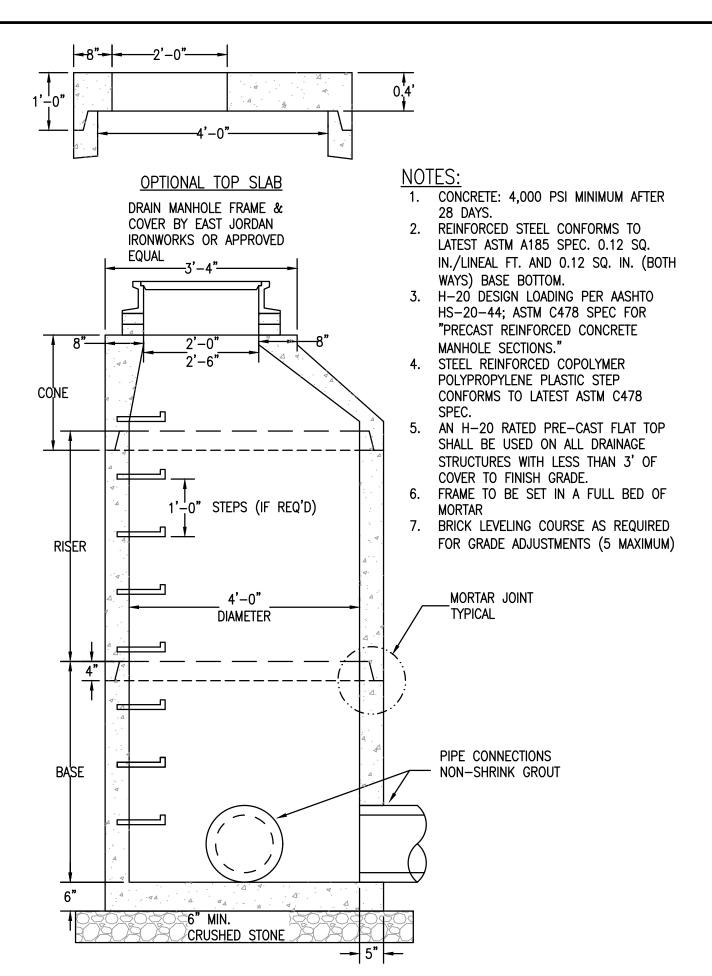


TYPICAL SHRUB PLANTING NOT TO SCALE

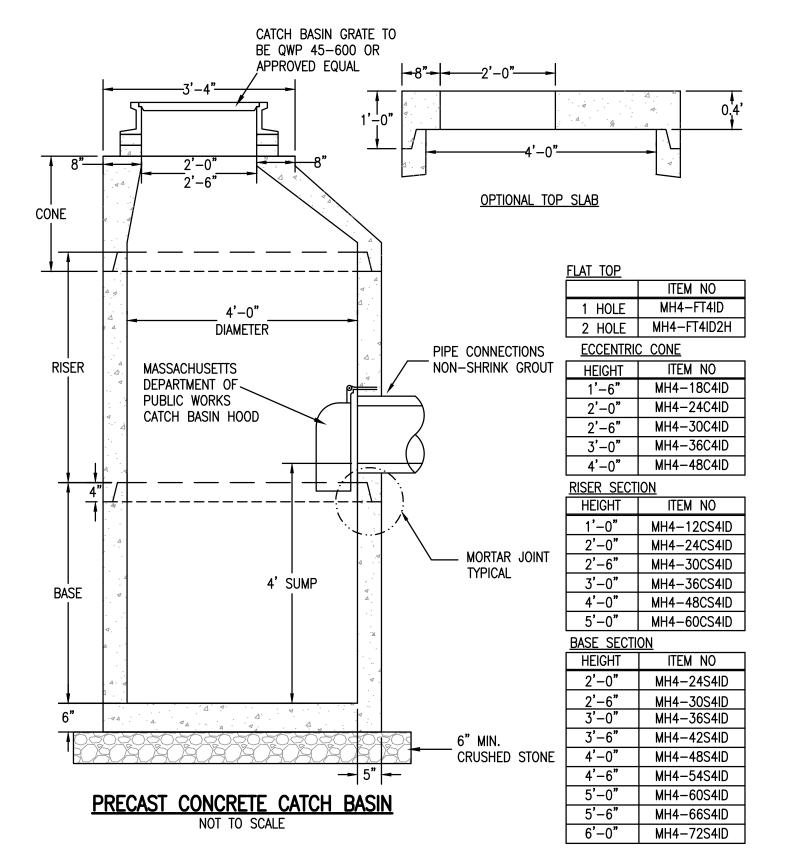
NOTE: WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2' DEEP MINIMUM CONTINUOUS LOAM BED.







PRECAST CONCRETE DRAIN MANHOLE NOT TO SCALE



- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
- REINFORCED STEEL: ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
- 3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
- 4. H-20 RATED PRE-CAST FLAT TOP SHALL BE USED ON DRAINAGE STRUCTURES WITH

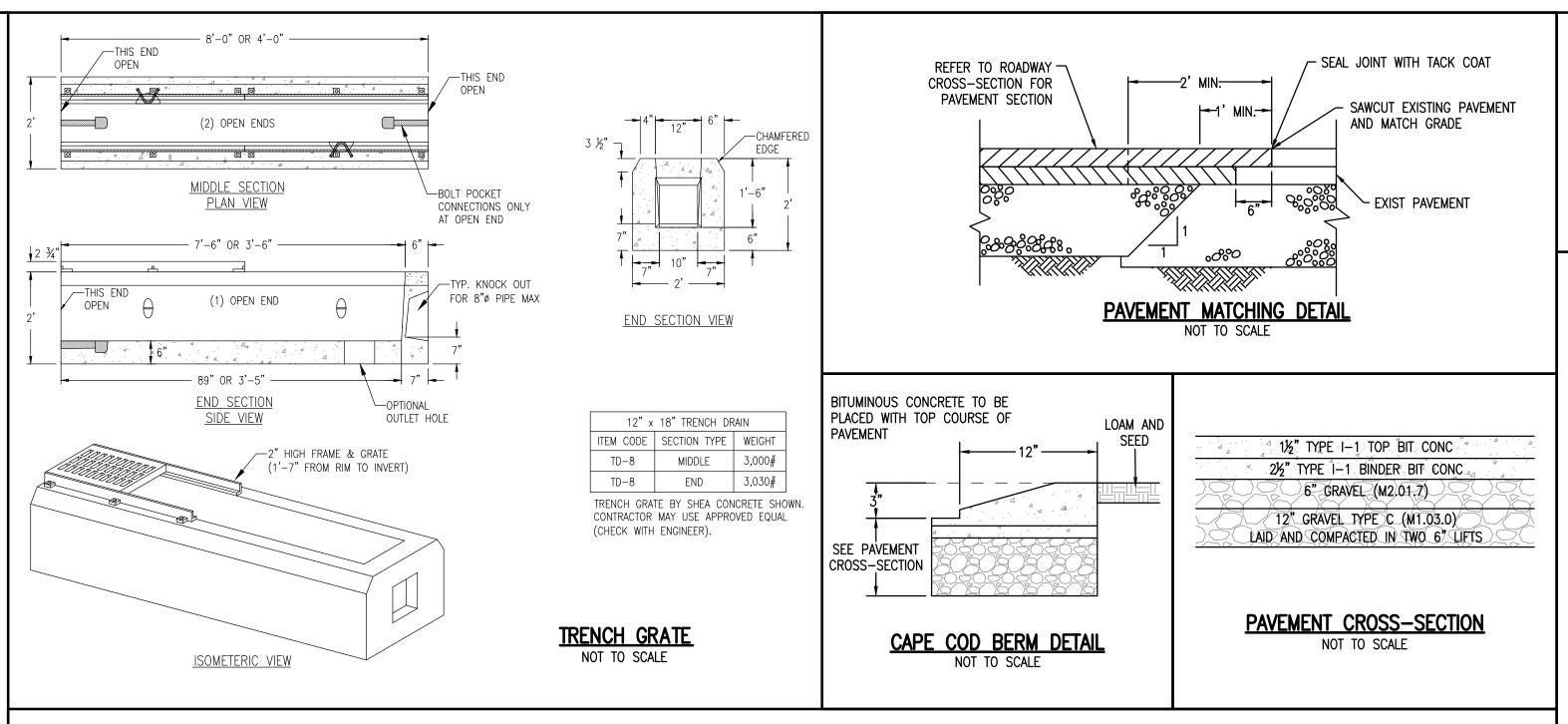
GRADE WILL ALLOW EASY ACCESS FOR

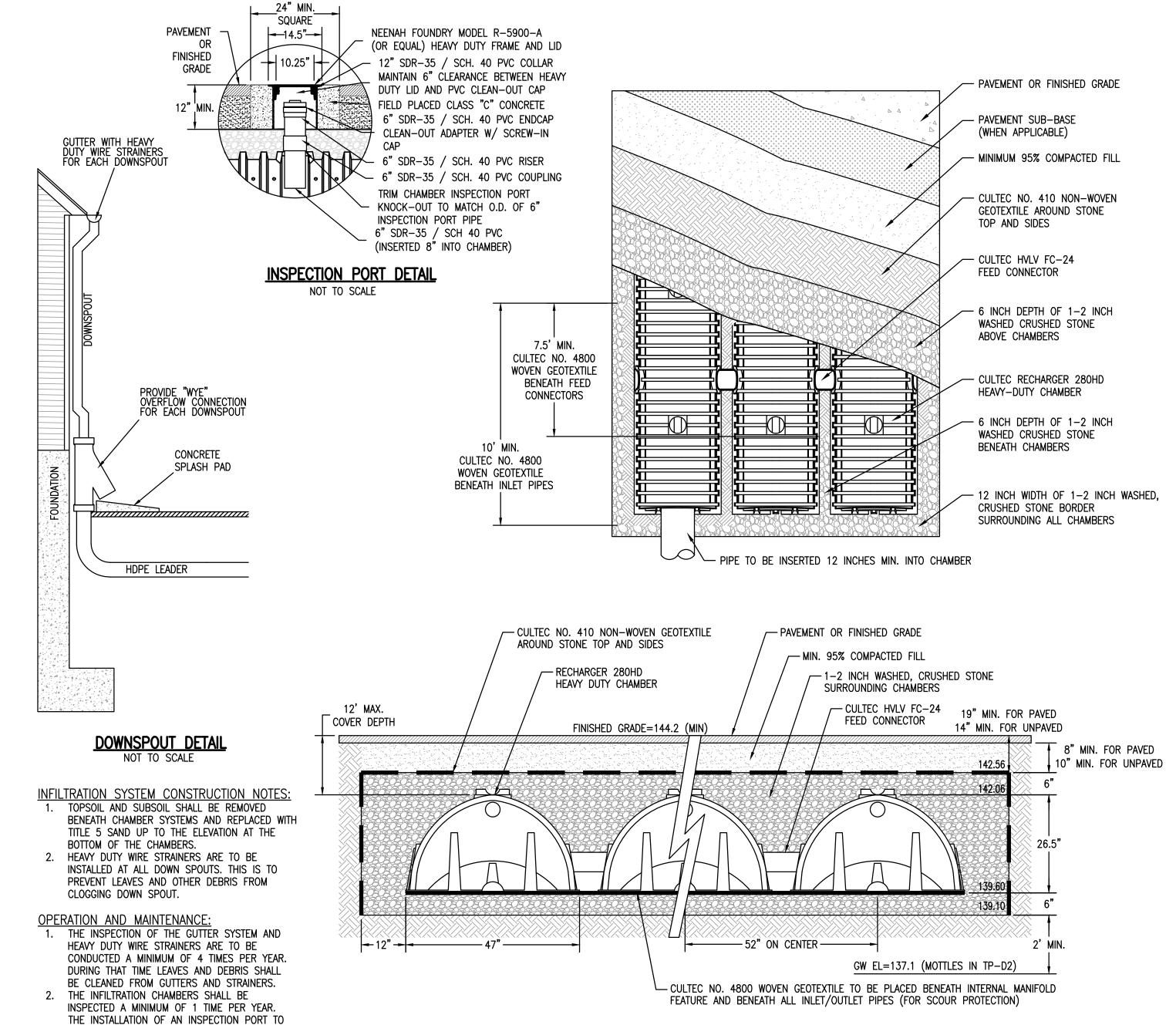
THE CHAMBERS.

INSPECTION. AS PART OF THE INSPECTION ALL

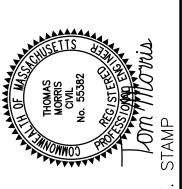
DEBRIS AND LEAVES ARE TO BE REMOVED FROM

- LESS THAN 3' OF COVER TO FINISH GRADE. FRAME TO BE SET IN A FULL BED OF MORTAR
- BRICK LEVELING COURSE AS REQUIRED FOR GRADE ADJUSTMENTS (5 MAXIMUM) MASSACHUSETTS STANDARD CATCH BASIN HOOD SHALL BE INSTALLED ON OUTLET PIPE.



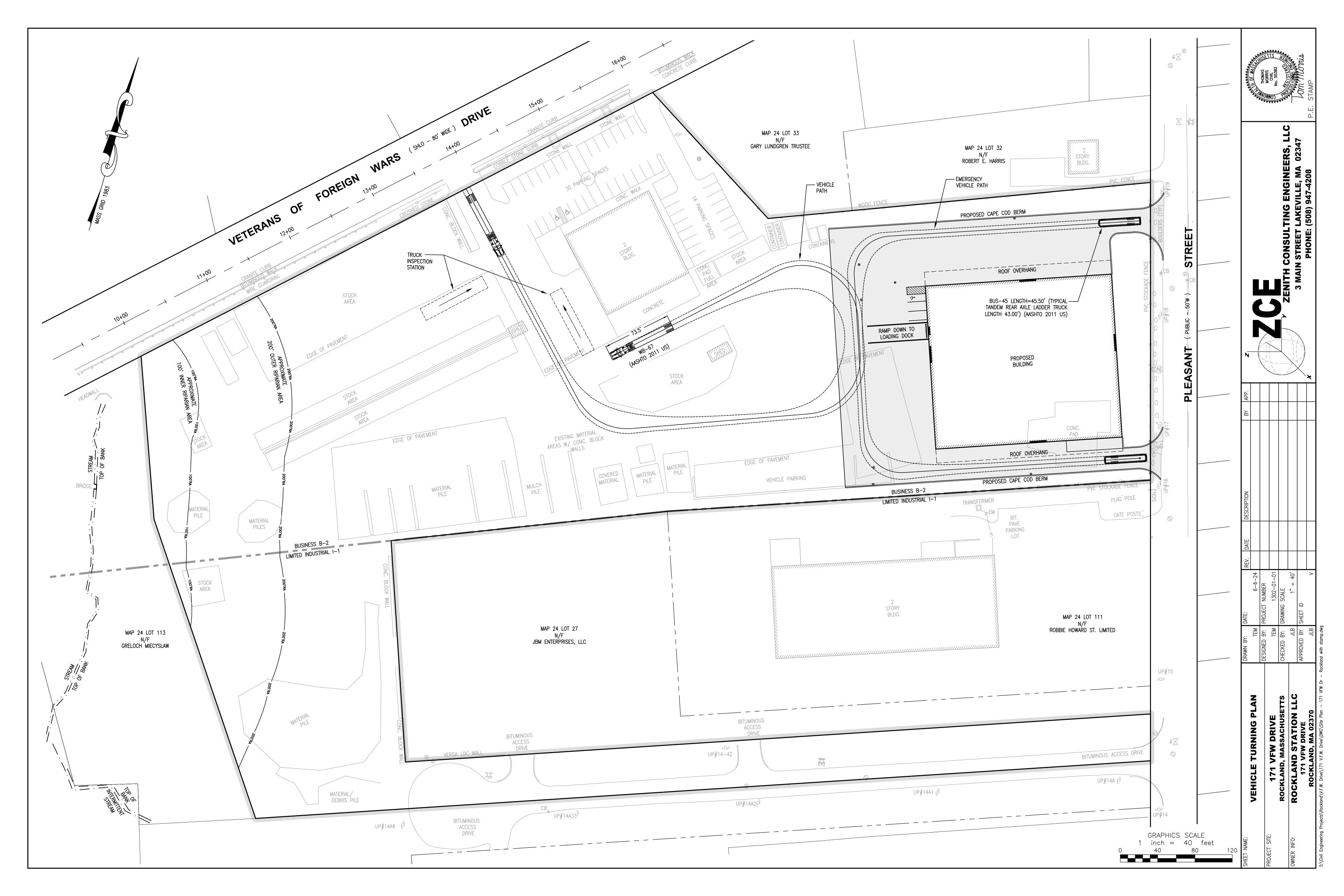


CULTEC R280HD CHAMBER FIELD DETAILS



TATION V DRIVE , MA 02370

ROCKLAND (171 VF) ROCKLAND



DISCLAIMER:

-THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES ONLY REPRESENTED ARE AN APPROXIMATION GENERATED FROM MANUFACTURERS PHOTOMETRIC IN-HOUSE OR INDEPENDANT LAB TEST WITH DATA SUPPLIED BY LAMP MANUFACTURERS.

<u>Plan View</u> Scale - 1" = 12ft

0.5 0.6 0.5 0.5 0.5 0.5 0.4 0.3 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0

0.8 +0.9 +1.0 +1.0 +0.9 +0.8 +0.5 +0.3 +0.1 +0.1 +0.0 +0.0 +0.0 +0.0 +0.0

†1.1 †1.2 †1.3 †1.3 †1.2 †1.0 †0.7 ***0.4** | †0.2 *****0.1 *****0.1 ***0.0 ***0.0 ***0.0 *0.0**

†1.4 †1.6 †1.7 †1.7 †1.5 †1.2 †0.8 †0.5 | †0.2 †0.1 †0.1 †0.0 †0.0 †0.0 †0.0

1.8 +2.0 +2.2 +2.2 +1.9 +1.4 +1.0 0.6 +0.3 +0.1 +0.1 +0.0 +0.0 +0.0

\$\begin{pmatrix} \dagger{1} \\ \dagger{1} \\

†3.9 †4.7 †5.0 †4.2 †3.1 †2.2 †1.3 (†0.5 †0.2 †0.1 †0.1 †0.0 †0.0 †0.0

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5.WP26.6 +6.7 +5.6 +4.0 +2.7 +1.5 +0.5 +0.2 | +0.1 +0.1 +0.1 +0.1 +0.0 +0.0

†5.1 †6.3 †6.5 †5.5 †3.9 †2.7 †1.6 †0.6 †0.3 †0.2 †0.1 †0.1 †0.1 †0.0 †0.0

4.1

4.8

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\$\begin{pmatrix} \dagger{4}.5 & \dagger{4}.0 & \dagger{4}.4 & \dagger{4}.3 & \dagger{4}.3 & \dagger{4}.3 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.2 & \dagger{4}.1 & \dagger{4}.0 & \dag

\$\begin{pmatrix} \dagger{4} \\ 3.3 & \dagger{4} \\ 4.1 & \dagger{4} \\ 3.5 & \dagger{2} \\ 7 & \dagger{1} \\ 1.8 & \dagger{1} \\ 1.0 & \dagger{0} \\ 5 & \dagger{0} \\ 0.1 & \dagger{0} \\ 1 & \

\$\begin{pmatrix} \dagger{4}.3 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.5 & \dagger{2}.7 & \dagger{1}.8 & \dagger{1}.0 & \dagger{0}.5 & \dagger{0}.2 & \dagger{0}.1 & \dag

\$\begin{pmatrix} \dagger{4}.7 & \dagger{4}.1 & \dagger{4}.5 & \dagger{4}.3 & \dagger{4}.3 & \dagger{4}.3 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.1 & \dagger{4}.2 & \dagger{4}.1 & \dagger{4}.2 & \dagger{4}.1 & \dag

4.2 4.9 5.1 4.6 3.7 2.7 1.7 0.8 0.4 0.2 0.1 0.1 0.1 0.0 0.0

4.8 +5.7 +6.0 +5.0 +3.8 +2.7 +1.6 +0.6 +0.3 +0.2 +0.1 +0.1 +0.1 +0.0 +0.0

5.2 +6.4 +6.5 +5.5 +3.9 +2.7 +1.6 +0.5 +0.3 +0.1 +0.1 +0.1 +0.1 +0.0 +0.0

5.4 +6.7 +6.7 +5.6 +3.9 +2.6 +1.5 +0.5 +0.2 +0.1 +0.1 +0.1 +0.1 +0.0 +0.0

WP25.2 6.4 6.5 5.4 3.8 2.5 1.5 50.2 50.2 50.1 50.1 50.1 50.0 50.0

4.7 +5.7 +6.0 +4.9 +3.5 +2.4 +1.4 +0.5 +0.2 +0.1 +0.1 +0.1 +0.0 +0.0 +0.0

4.0 +4.7 +4.9 +4.1 +3.1 +2.2 +1.3 +0.5 +0.2 +0.1 +0.1 +0.1 +0.0 +0.0 +0.0

3.2 +3.6 +3.8 +3.4 +2.6 +1.9 +1.2 +0.6 +0.3 +0.1 +0.1 +0.1 +0.0 +0.0 +0.0

2.4 + 2.7 + 2.9 + 2.7 + 2.2 + 1.7 + 1.1 + 0.6 + 0.3 + 0.1 + 0.1 + 0.1 + 0.0 + 0.0 + 0.0

1.8 +2.1 +2.2 +2.2 +1.9 +1.4 +1.0 +0.6 +0.3 +0.1 +0.1 +0.1 +0.0 +0.0 +0.0

1.4 +1.6 +1.7 +1.7 +1.5 +1.2 +0.8 +0.5 +0.2 +0.1 +0.1 +0.0 +0.0 +0.0 +0.0

 $^{\dagger}1.1$ $^{\dagger}1.3$ $^{\dagger}1.3$ $^{\dagger}1.3$ $^{\dagger}1.2$ $^{\dagger}1.0$ $^{\dagger}0.7$ $^{\dagger}0.4$ $^{\dagger}0.2$ $|^{\dagger}0.1$ $|^{\dagger}0.1$ $|^{\dagger}0.0$ $|^{\dagger}0.0$ $|^{\dagger}0.0$ $|^{\dagger}0.0$

 $^{\dagger}0.9$ $^{\dagger}1.0$ $^{\dagger}1.0$ $^{\dagger}1.0$ $^{\dagger}0.9$ $^{\dagger}0.8$ $^{\dagger}0.5$ $^{\dagger}0.3$ $^{\dagger}0.1$ $^{\dagger}0.0$ $^{\dagger}0.0$ $^{\dagger}0.0$ $^{\dagger}0.0$ $^{\dagger}0.0$

0.7 0.8 0.8 0.7 0.7 0.6 0.4 0.2 0.1 0.1 0.0 0.0 0.0 0.0 0.0

 $^{\dagger}0.6$ $^{\dagger}0.6$ $^{\dagger}0.6$ $^{\dagger}0.5$ $^{\dagger}0.5$ $^{\dagger}0.5$ $^{\dagger}0.5$ $^{\dagger}0.3$ $^{\dagger}0.2$ $^{\dagger}0.1$ $^{\dagger}0.1$ $^{\dagger}0.1$ $^{\dagger}0.0$ $^{\dagger}0.0$ $^{\dagger}0.0$ $^{\dagger}0.0$

0.5 0.5 0.5 0.4 0.4 0.3 0.3 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 $^+$ 0.0 $^+$ 0

-REFLECTANCES ASSUMED: WALL: 50 GROUND: 20

- MOUNTING HEIGHTS: TYPE WP1 / WP2: TYPE WP3: TYPE S:

26'-0" AFG 8'-0" AFG 26'-0" AFG

- TASK HEIGHT: 0" AFG - CALCULATION POINT SPACING: 5'X5' OC

STATIST	STATISTICS							
DESCRIPTION	SYMBOL	AVG.	MAX	MIN.	MAX/MIN	AVG/MIN		
Pavement	+	0.6 fc	8.3 fc	0.0 fc	N/A	N/A		
Boundary	+	0.5 fc	8.3 fc	0.0 fc	N/A	N/A		

SCHEDULE								
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Light Loss Factor	Wattage	
	S	6	Luminis Canada Inc.	SN1100C-L1L32-K30-VOLTAGE-FINISH	Scena - Ceiling Round 11in	0.9	38.3	
	WP1	2	Lithonia Lighting	WDGE3 P4 30K 80CRI RFT VOLTAGE MOUNTING XX FINISH	WDGE3 LED WITH P4 - PERFORMANCE PACKAGE, 3000K, 80CRI, FORWARD THROW OPTIC	0.9	87.8914	
	WP2	2	Lithonia Lighting	WDGE3 P4 30K 80CRI R2 VOLTAGE MOUNTING XX FINISH	WDGE3 LED WITH P4 - PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE 2 OPTIC	0.9	87.8914	
	WP3	1	Lithonia Lighting	WDGE2 P3 30K 80CRI R3 VOLTAGE MOUNTING XX FINISH	WDGE2 LED WITH P3 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 3 MEDIUM OPTIC	0.9	32.1375	

**-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.0 **-0.1 **-0.1 **-0.1 **-0.1 **-0.1 **-0.1 **-0.1 **-0.1 **-0.2 **

 $\stackrel{+}{\circ}0.0$ $\stackrel{+}{\circ}0.0$ $\stackrel{+}{\circ}0.1$ $\stackrel{+}{\circ}0.1$ $\stackrel{+}{\circ}0.1$ $\stackrel{+}{\circ}0.1$ $\stackrel{+}{\circ}0.1$ $\stackrel{+}{\circ}0.2$ $\stackrel{+}{\circ}0.2$ $\stackrel{+}{\circ}0.2$ $\stackrel{+}{\circ}0.3$ $\stackrel{+}{\circ}0.3$ $\stackrel{+}{\circ}0.4$ $\stackrel{+}{\circ}0.4$ $\stackrel{+}{\circ}0.5$ $\stackrel{+}{\circ}0.6$ $\stackrel{+}{\circ}0.6$ $\stackrel{+}{\circ}0.7$ $\stackrel{+}{\circ}0.8$ $\stackrel{+}{\circ}0.9$ $\stackrel{+}{\circ}0.9$ $\stackrel{+}{\circ}0.9$

 $\stackrel{+}{0.0}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.1}$ $\stackrel{+}{0.2}$ $\stackrel{+}{0.2}$ $\stackrel{+}{0.2}$ $\stackrel{+}{0.3}$ $\stackrel{+}{0.3}$ $\stackrel{+}{0.4}$ $\stackrel{+}{0.5}$ $\stackrel{+}{0.6}$ $\stackrel{+}{0.7}$ $\stackrel{+}{0.8}$ $\stackrel{+}{0.9}$ $\stackrel{+}{1.1}$ $\stackrel{+}{1.2}$ $\stackrel{+}{1.4}$ $\stackrel{+}{1.5}$ $\stackrel{+}{1.6}$ $\stackrel{+}{1.6}$

 $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.3$ $^{+}0.4$ $^{+}0.4$ $^{+}0.5$ $^{+}0.6$ $^{+}0.7$ $^{+}0.9$ $^{+}1.0$ $^{+}1.2$ $^{+}1.4$ $^{+}1.6$ $^{+}1.8$ $^{+}1.9$ $^{+}1.9$

 $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $|^{+}0.2$ $|^{+}0.2$ $|^{+}0.3$ $|^{+}0.3$ $|^{+}0.4$ $|^{+}0.5$ $|^{+}0.6$ $|^{+}0.7$ $|^{+}0.8$ $|^{+}0.9$ $|^{+}1.1$ $|^{+}1.3$ $|^{+}1.6$ $|^{+}1.9$ $|^{+}2.2$ $|^{+}2.3$ $|^{+}2.3$ $|^{+}2.3$

 $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.3$ $^{+}0.4$ $^{+}0.5$ $^{+}0.6$ $^{+}0.7$ $^{+}0.8$ $^{+}1.0$ $^{+}1.2$ $^{+}1.4$ $^{+}1.6$ $^{+}1.9$ $^{+}2.4$ $^{+}3.1$ $^{+}3.9$ $^{+}4.6$ $^{+}4.7$

 $^{+}0.1$ $^{-}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $^{+}0.3$ $^{+}0.3$ $^{+}0.4$ $^{+}0.5$ $^{+}0.6$ $^{+}0.8$ $^{+}0.9$ $^{+}1.1$ $^{+}1.3$ $^{+}1.6$ $^{+}1.9$ $^{+}2.4$ $^{+}3.1$ $^{+}4.0$ $^{+}4.9$ $^{+}5.2$

 $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $|^{+}0.3$ $^{+}0.3$ $^{+}0.4$ $^{+}0.5$ $^{+}0.6$ $^{+}0.7$ $^{+}0.9$ $^{+}1.1$ $^{+}1.3$ $^{+}1.5$ $^{+}1.9$ $^{+}2.4$ $^{+}2.9$ $^{+}3.7$ $^{+}4.5$ $^{+}4.6$ $^{-}10.1$

 $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $^{+}0.3$ $^{+}0.3$ $^{+}0.4$ $^{+}0.5$ $^{+}0.6$ $^{+}0.7$ $^{+}0.8$ $^{+}0.9$ $^{+}1.1$ $^{+}1.2$ $^{+}1.4$ $^{+}1.6$ $^{+}1.7$ $^{+}1.7$

 $^{+}0.0$ $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.2$ $^{+}0.3$ $^{+}0.3$ $^{+}0.4$ $^{+}0.4$ $^{+}0.5$ $^{+}0.5$ $^{+}0.5$ $^{+}0.6$ $^{+}0.7$ $^{+}0.7$ $^{+}0.8$ $^{+}0.8$

+0.1 +0.1 +0.1 +0.1 +0.1 +0.1 +0.2 +0.2 | +0.2 +0.3 +0.4 +0.5 +0.6 +0.7 +0.8 +1.0 +1.2 +1.4 +1.8 +2.2 +2.7 +3.3 +3.9 +4.0 | **WP1**

Benjamin P. Rowe 06/04/2024 Not to Scale Drawing No. Summary