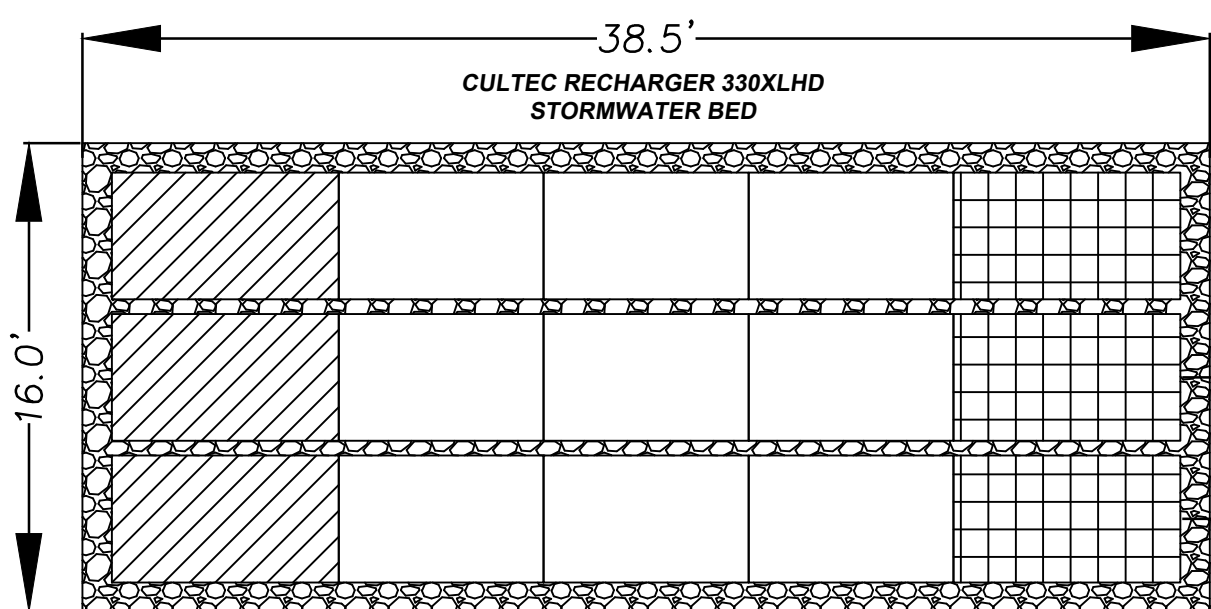
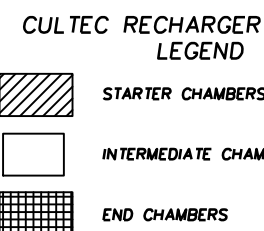


CULTEC SYSTEM RB#1

NOT TO SCALE



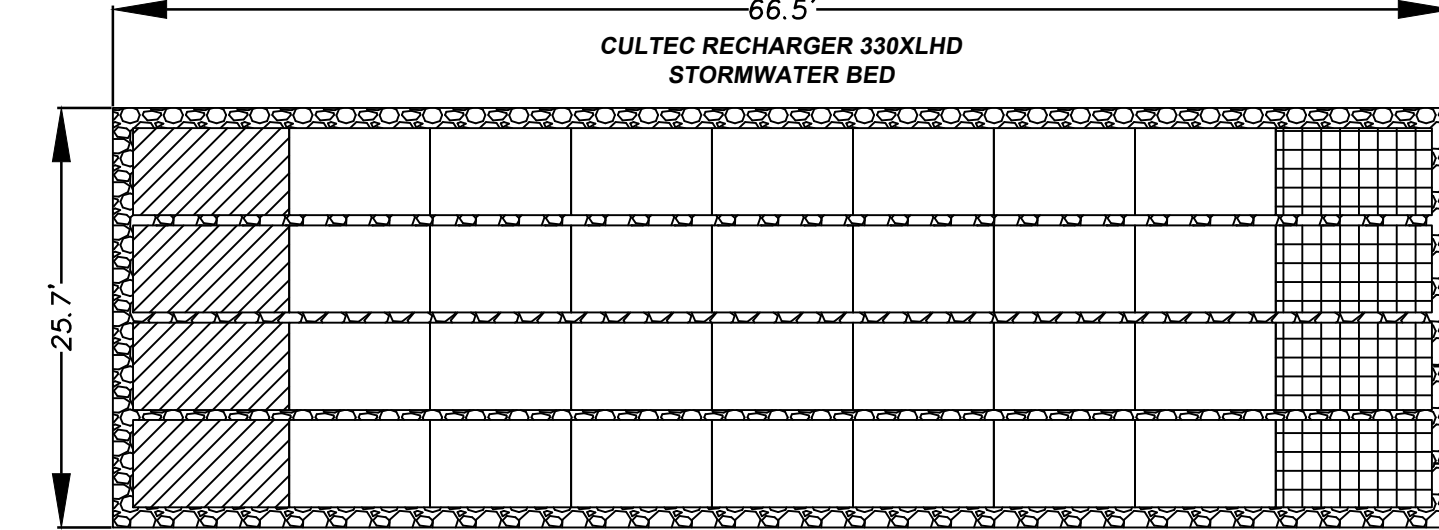
Recharger 330XLHD Stormwater System by CULTEC, Inc.		
STARTER CHAMBERS	3	PIECES
INTERMEDIATE CHAMBERS	9	PIECES
END CHAMBERS	3	PIECES
STONE	1365.80	CF
VOLUME OF EXCAVATION	2181.70	CF
CULTEC NO. 410" FILTER FABRIC	1779.85	SQ. FT.



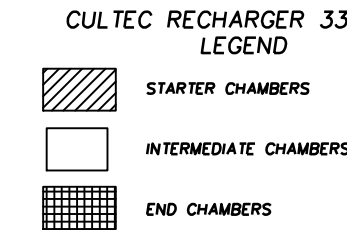
CULTEC STORMWATER MANAGEMENT SYSTEM
TOTAL STORAGE PROVIDED: 1362.2 cf
(STORAGE PROVIDED IN CHAMBERS: 815.9 cf)
(STORAGE PROVIDED IN STONE: 546.3 cf)
*SYSTEM INSTALLED REQUIRING STONE AMOUNTS OF 6.0 INCHES BELOW CHAMBERS, 6.0 INCHES ABOVE AND A 12.0 INCHES BORDER SURROUNDING

CULTEC SYSTEM RB#2

NOT TO SCALE



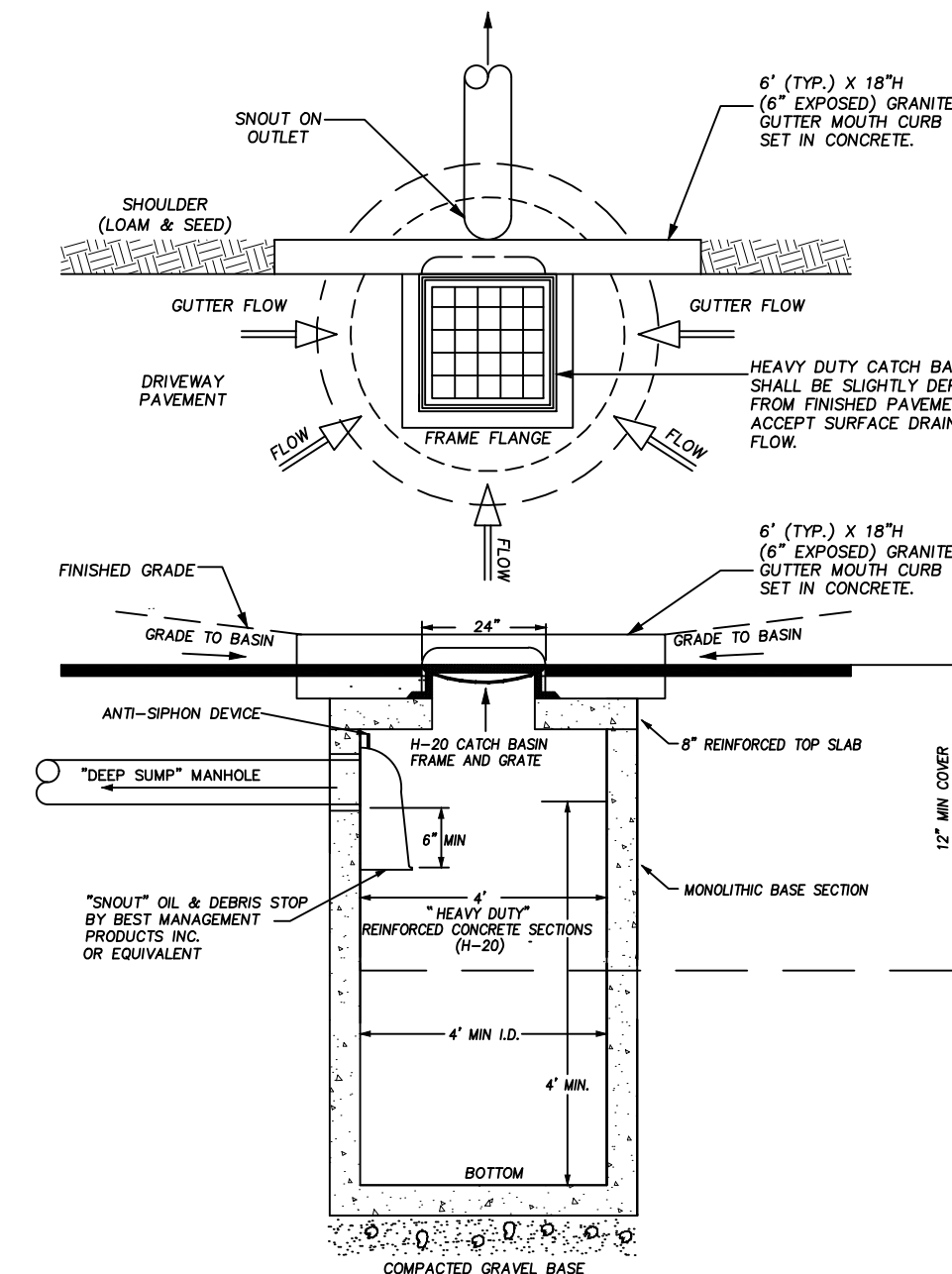
Recharger 330XLHD Stormwater System by CULTEC, Inc.		
STARTER CHAMBERS	4	PIECES
INTERMEDIATE CHAMBERS	28	PIECES
END CHAMBERS	4	PIECES
STONE	2884.30	CF
VOLUME OF EXCAVATION	4806.70	CF
CULTEC NO. 410" FILTER FABRIC	3727.88	SQ. FT.



CULTEC STORMWATER MANAGEMENT SYSTEM
TOTAL STORAGE PROVIDED: 3116.1 cf
(STORAGE PROVIDED IN CHAMBERS: 1924.4 cf)
(STORAGE PROVIDED IN STONE: 1193.7 cf)
*SYSTEM INSTALLED REQUIRING STONE AMOUNTS OF 6.0 INCHES BELOW CHAMBERS, 6.0 INCHES ABOVE AND A 12.0 INCHES BORDER SURROUNDING

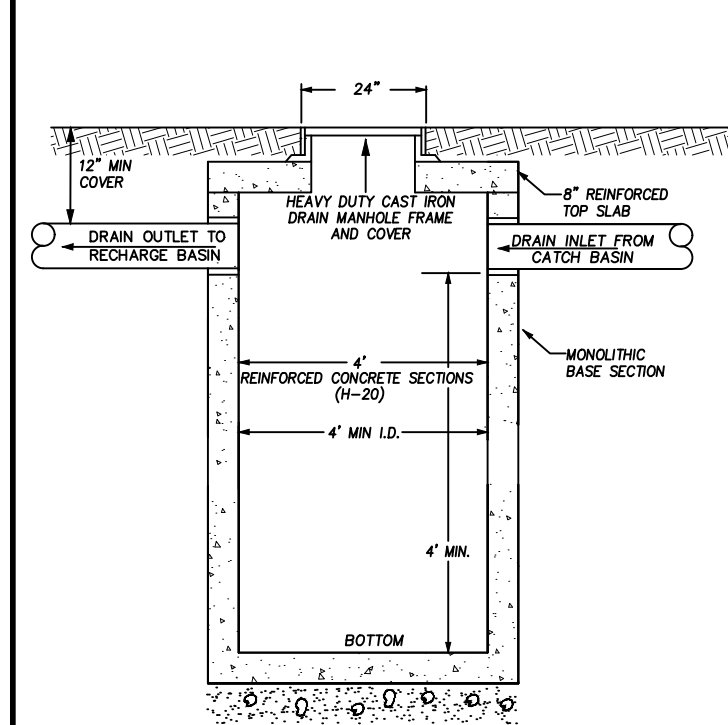
"DEEP SUMP" CATCH BASIN DETAILS

(NOT TO SCALE)



"DEEP SUMP" STORM DRAIN MANHOLE

(NOT TO SCALE)



NOTES: FOR BOTH MANHOLES
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. REINFORCED STEEL CONFORMS TO LATEST 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. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM (NGVD).

STORMWATER MANAGEMENT OPERATION & MAINTENANCE PLAN

DURING CONSTRUCTION

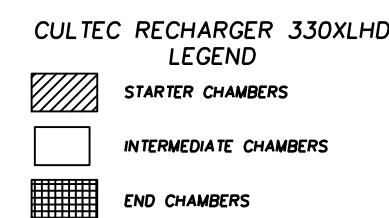
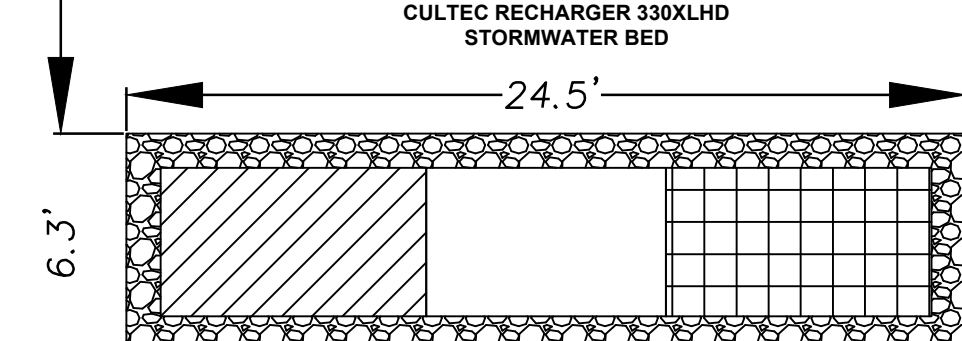
- ALL STOCKPILES OF CONSTRUCTION OR EARTHEN MATERIALS SHALL BE ENCIRCLED ON THE DOWN GRADIENT SIDE WITH EROSION CONTROL BARRIERS (I.E. SILT FENCING, HAY BALES, ETC.).
- CATCH BASINS SHALL BE PROTECTED BY SILT SACKS. SILT SACKS SHALL BE MAINTAINED AND REGULARLY CLEANED OF SEDIMENT THROUGHOUT THE CONSTRUCTION PROCESS.
- ALL ADDITIONAL DRAINAGE INFRASTRUCTURE SHALL BE INSPECTED, CLEANED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.

POST-CONSTRUCTION

- ALL PROPERTY OWNERS SHALL BE RESPONSIBLE FOR MAINTAINING AND ENSURING THE PROPER AND ONGOING FUNCTION OF THE STORMWATER COLLECTION SYSTEM LOCATED WITHIN THE COMMON DRIVEWAY AND DRAINAGE EASEMENTS. WHEREAS, EACH LOT OWNER SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE PIPES AND STORMWATER DRAINAGE APPURTENANCES ON THEIR RESPECTIVE LOTS, EXCLUDING THOSE WITHIN THE COMMON DRIVEWAY LAYOUT & MAINTENANCE EASEMENTS.
- CATCH BASINS & STORM DRAIN MANHOLES
A. INLETS SHOULD BE CLEANED A MINIMUM OF FOUR TIMES PER YEAR AND INSPECTED AFTER EVERY SIGNIFICANT STORM EVENT.
B. ALL SEDIMENTS AND HYDROCARBONS SHOULD BE PROPERLY HANDLED AND DISPOSED, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES AND REGULATIONS.
- RECHARGE BASINS - INSPECT THE RECHARGE BASINS AFTER EVERY MAJOR STORM FOR THE FIRST FEW MONTHS TO ENSURE PROPER STABILIZATION AND FUNCTION. THEREAFTER, INSPECT THEM AT LEAST ONCE PER YEAR.

CULTEC SYSTEM RB#6

NOT TO SCALE



CULTEC STORMWATER MANAGEMENT SYSTEM

TOTAL STORAGE PROVIDED: 320.4 cf
(STORAGE PROVIDED IN CHAMBERS: 167.8 cf)
(STORAGE PROVIDED IN STONE: 152.6 cf)
*SYSTEM INSTALLED REQUIRING STONE AMOUNTS OF 6.0 INCHES BELOW CHAMBERS, 6.0 INCHES ABOVE AND A 12.0 INCHES BORDER SURROUNDING



"CONSTRUCTION DETAILS & SPECIFICATIONS PLAN

81 WEST PLAIN STREET"

LAND IN
WAYLAND, MASS.

PREPARED FOR: SILVER LEAF HOMES, LLC.
30 WEST MAIN STREET
HOPKINTON, MA 01748

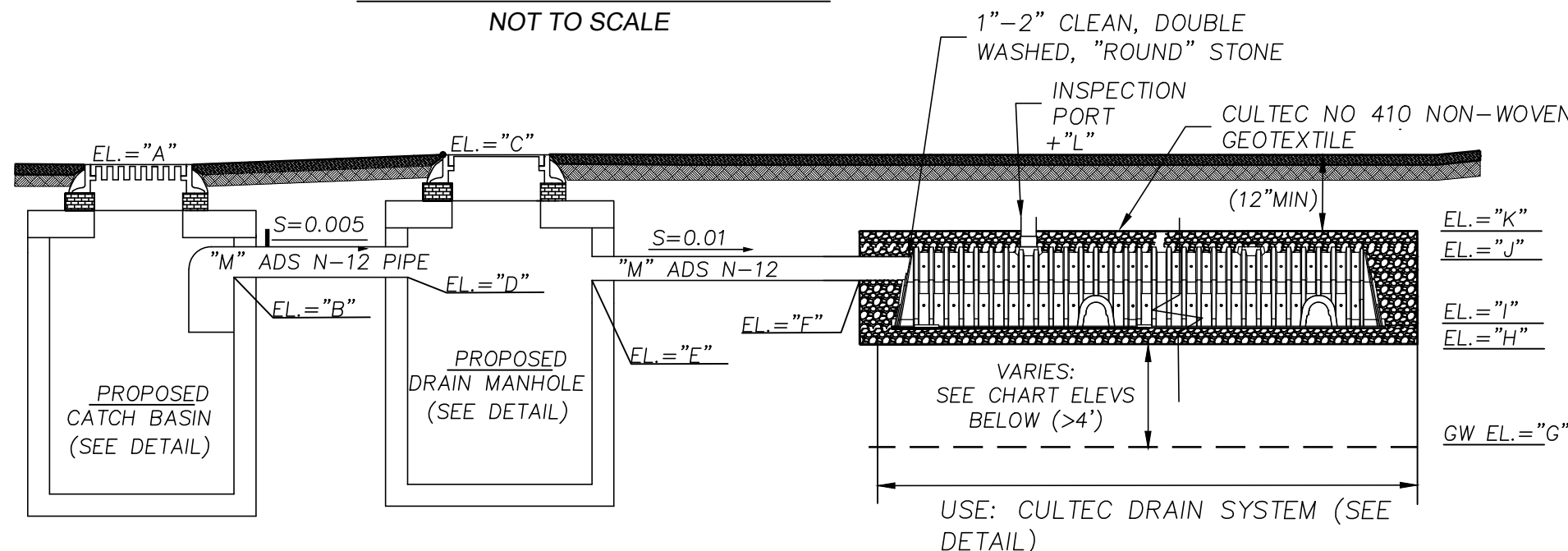
SCALE: 1" = NTS DATE: 05 FEBRUARY 2020

PREPARED BY: **THE JILLSON COMPANY, INC.**

32 FREMONT STREET S-200
NEEDHAM HEIGHTS, MA 02494
(781) 400-5946
www.JILLSONCOMPANY.com

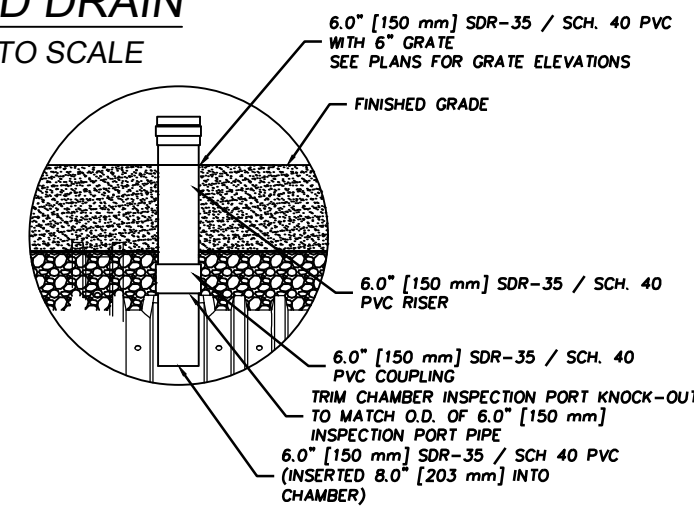
DRAIN SYSTEM PROFILES

NOT TO SCALE



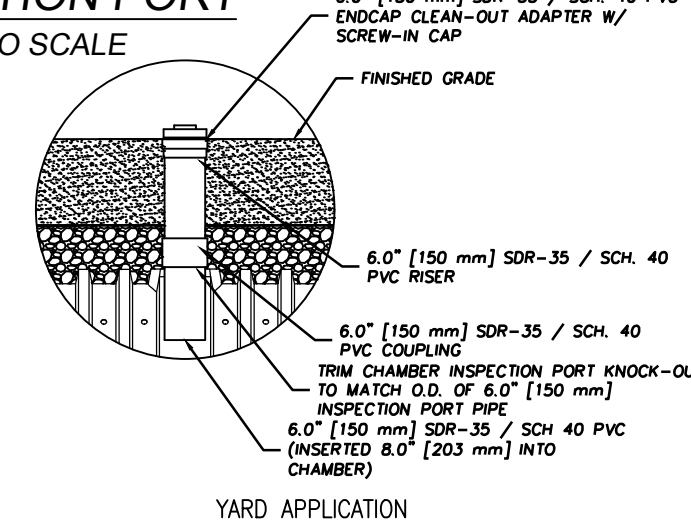
YARD DRAIN

NOT TO SCALE



INSPECTION PORT

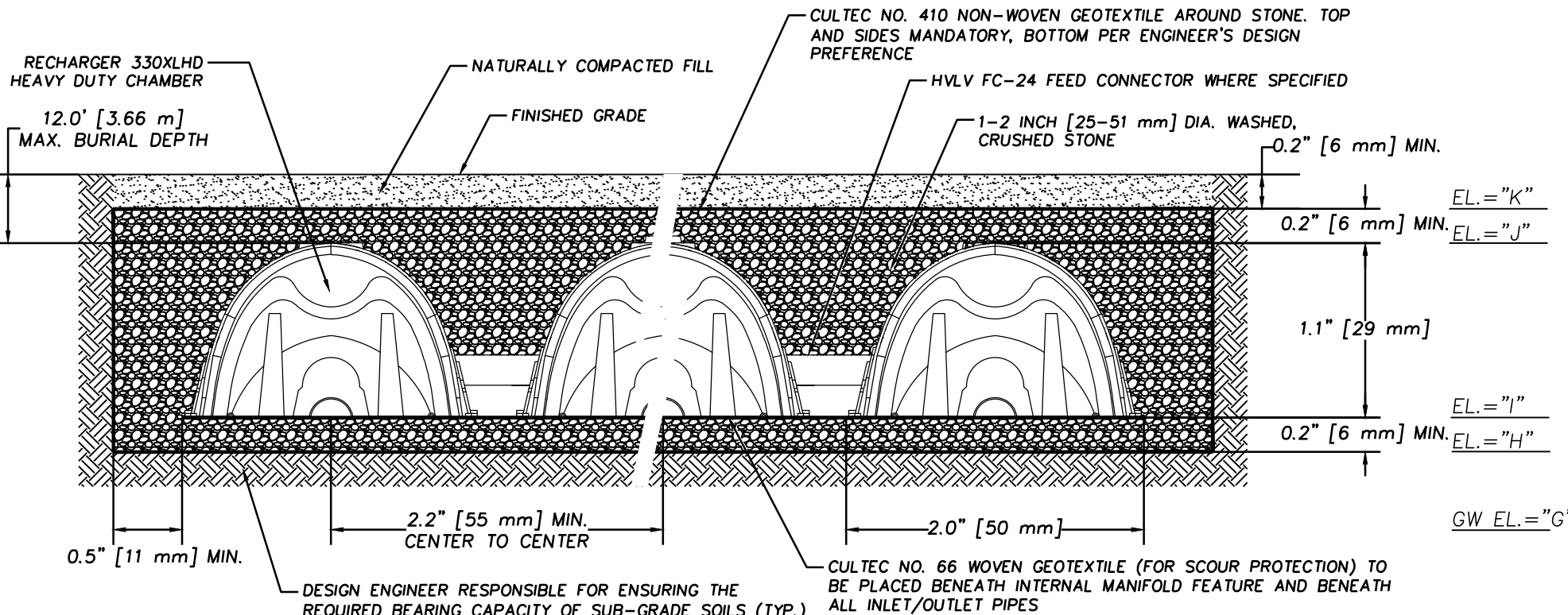
NOT TO SCALE



	A	B	C	D	E	F	G	H	I	J	K	L	M	100 YR	25 YR	10 YR	2 YR	1-INCH
RB#1	180.2	178.5	180.7	178.47	178.37	178.0	170.1	176.5	177.0	179.54	180.04	180.60	8"	179.83	178.47	178.05	177.59	177.50
RB#2	179.6	177.9	180.4	177.8	177.7	176.40	170.1	175.5	176.0	178.54	179.04	181.00	8"	180.97	178.55	177.97	177.52	177.50
RB#3	181.4	179.7	181.5	179.67	179.57	179.5	170.1	177.26	177.76	180.3	180.80	181.80	6"	180.70	178.73	178.16	177.53	177.50
RB#4	181.21	79.5	181.3	179.40	179.30	178.1	170.1	176.00	176.50	179.04	179.54	180.80	6"	178.36	177.33	176.90	176.40	176.01
RB#5	-	-	-	-	-	179.5	170.1	177.00	177.5	181.04	151.54	183.00	6"	179.52	177.28	177.01	177.00	177.00
RB#6	-	-	-	-	-	177.00	170.1	174.5	175.0	178.54	179.04	180.50	6"	177.59	175.16	174.53	174.50	174.50

CULTEC RECHARGER 330XLHD HEAVY DUTY TYPICAL CROSS SECTION

NOT TO SCALE



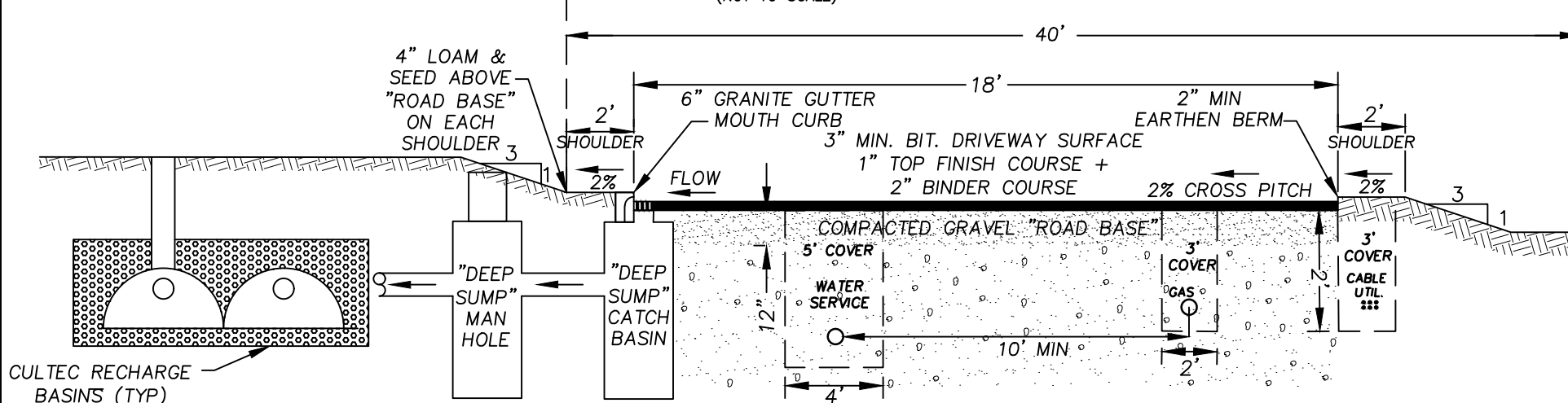
GENERAL NOTES

RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 11.32 CF/FT [1.05 m³/m] PER DESIGN UNIT.
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS

ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS

PROPOSED DRIVEWAY TYPICAL CROSS-SECTION

(NOT TO SCALE)



DRIVEWAY NOTES

- DRIVEWAY SUBGRADE CONSTRUCTION SHALL MEET THE GRAVEL "ROAD BASE" REQUIREMENTS OF A SUBDIVISION ROADWAY.
- COMPACTED GRAVEL "ROAD BASE" SHALL CONSIST OF 4 INCHES OF CRUSHED STONE PER MASS. HIGHWAY STANDARD SPECIFICATION M1.0.3.1. INSTALLED OVER, MINIMUM 8 INCHES OF GRAVEL BORROW TYPE B, PER MASS. HIGHWAY STANDARD SPECIFICATION M1.0.3.0 OR EQUAL.
- THE ENTIRE A & B SOIL HORIZONS AND ANY ADDITIONAL DELETERIOUS MATERIAL(S) SHALL BE REMOVED BELOW AND AROUND THE DRIVEWAY FOR A DISTANCE OF 6" INTO THE C SOIL HORIZON. THE MATERIAL REMOVED SHALL BE REPLACED WITH A SUITABLE GRAVEL MATERIAL BELOW "ROAD BASE" MADE UP OF SANDY, GRAVEL, WELL DRAINED BACKFILL WITH NO STONES >4".