

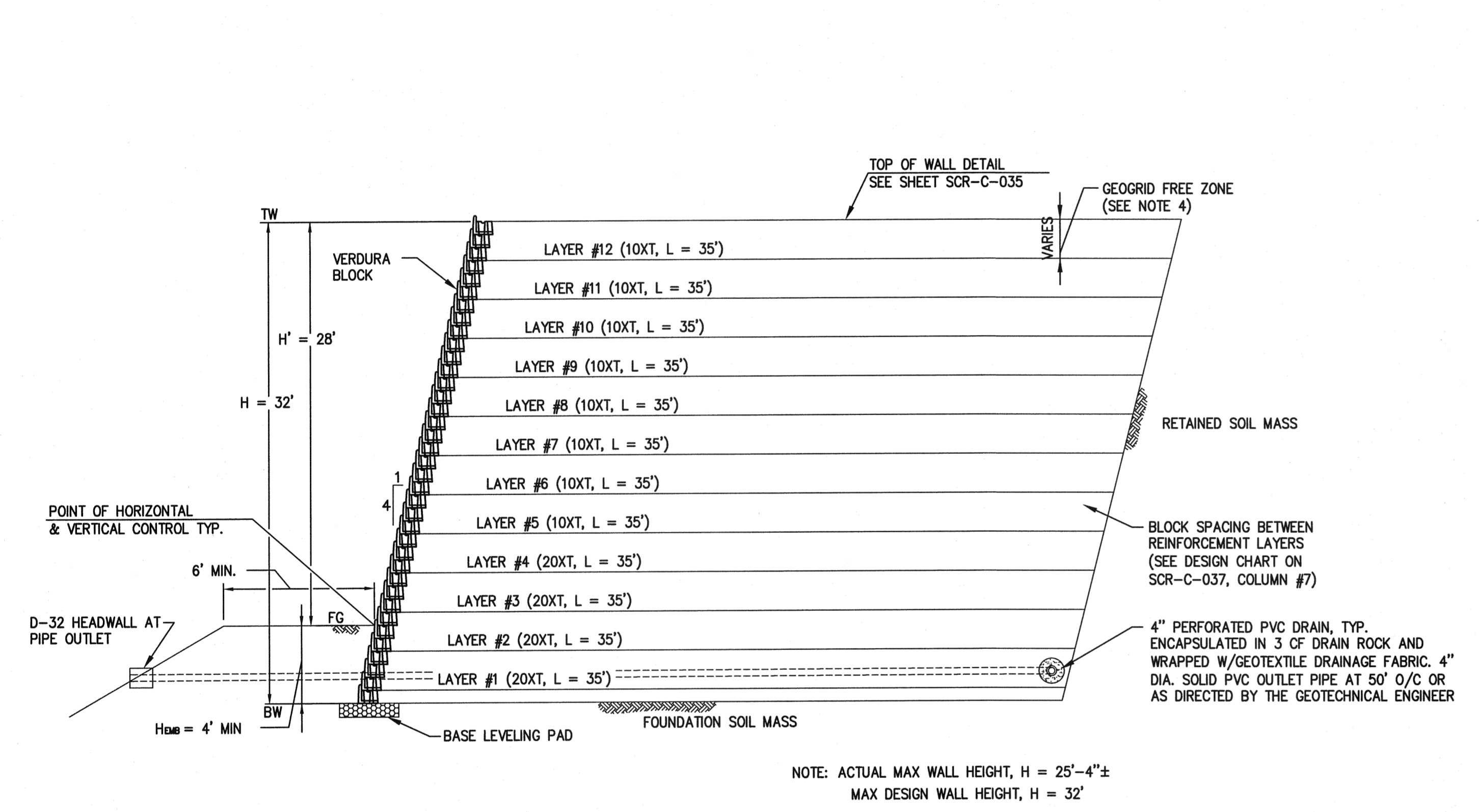
DESIGN CHART - VERDURA 40 RETAINING WALL											
COLUMN #1	COLUMN #2	COLUMN #3	COLUMN #4	COLUMN #5	COLUMN #6			COLUMN #7			
TOTAL HEIGHT H TOT (FT)	EXPOSED HEIGHT H' (FT)	EMBEDDED HEIGHT H EMB (FT)	REINFORCEMENT LENGTH L (FT)	NUMBER OF REINFORCEMENT LAYERS	MIRAGRID 8XT GEOGRID PER LAYER (#)	MIRAGRID 10XT GEOGRID PER LAYER (#)	MIRAGRID 20XT GEOGRID PER LAYER (#)	BLOCK SPACING BETWEEN REINFORCEMENT LAYER NUMBER			
								1 BLOCK SPACING	2 BLOCK SPACING	3 BLOCK SPACING	FROM THE CREST
< 6	4 OR LESS	2	6	3	ALL LAYERS	N/A	N/A	LAYER #1	LAYER #3	LAYER #2	3 TO 5 COURSES
10	8	2	10	5	ALL LAYERS	N/A	N/A	LAYER #1	LAYER #5	LAYERS #2 THROUGH #4	3 TO 5 COURSES
14	12	2	15	7	ALL LAYERS	N/A	N/A	LAYER #1	LAYER #7	LAYERS #2 THROUGH #6	3 TO 5 COURSES
18	16	2	20	9	ALL LAYERS	N/A	N/A	LAYER #1	LAYER #9	LAYERS #2 THROUGH #8	3 TO 5 COURSES
22	20	2	25	11	N/A	LAYERS #3 THROUGH #11	LAYERS #1 AND #2	LAYER #1	LAYER #11	LAYERS #2 THROUGH #10	3 TO 5 COURSES
28	24	4	30	14	N/A	LAYERS #3 THROUGH #14	LAYERS #1 AND #2	LAYER #1	LAYER #14	LAYERS #2 THROUGH #13	3 TO 5 COURSES
32	28	4	35	16	N/A	LAYERS #5 THROUGH #16	LAYERS #1 THROUGH #4	LAYER #1	LAYER #16	LAYERS #2 THROUGH #15	3 TO 5 COURSES
36	32	4	40	18	N/A	LAYERS #5 THROUGH #18	LAYERS #1 THROUGH #4	LAYER #1	LAYER #18	LAYERS #2 THROUGH #17	3 TO 5 COURSES
40	36	4	45	20	N/A	LAYERS #10 THROUGH #20	LAYERS #1 THROUGH #9	LAYER #1	LAYER #20	LAYERS #2 THROUGH #19	3 TO 5 COURSES
44	40	4	50	22	N/A	LAYERS #10 THROUGH #22	LAYERS #1 THROUGH #9	LAYER #1	LAYER #22	LAYERS #2 THROUGH #21	3 TO 5 COURSES
48	44	4	50	24	N/A	LAYERS #13 THROUGH #24	LAYERS #1 THROUGH #12	LAYER #1	LAYER #24	LAYERS #2 THROUGH #23	3 TO 5 COURSES

NOTES

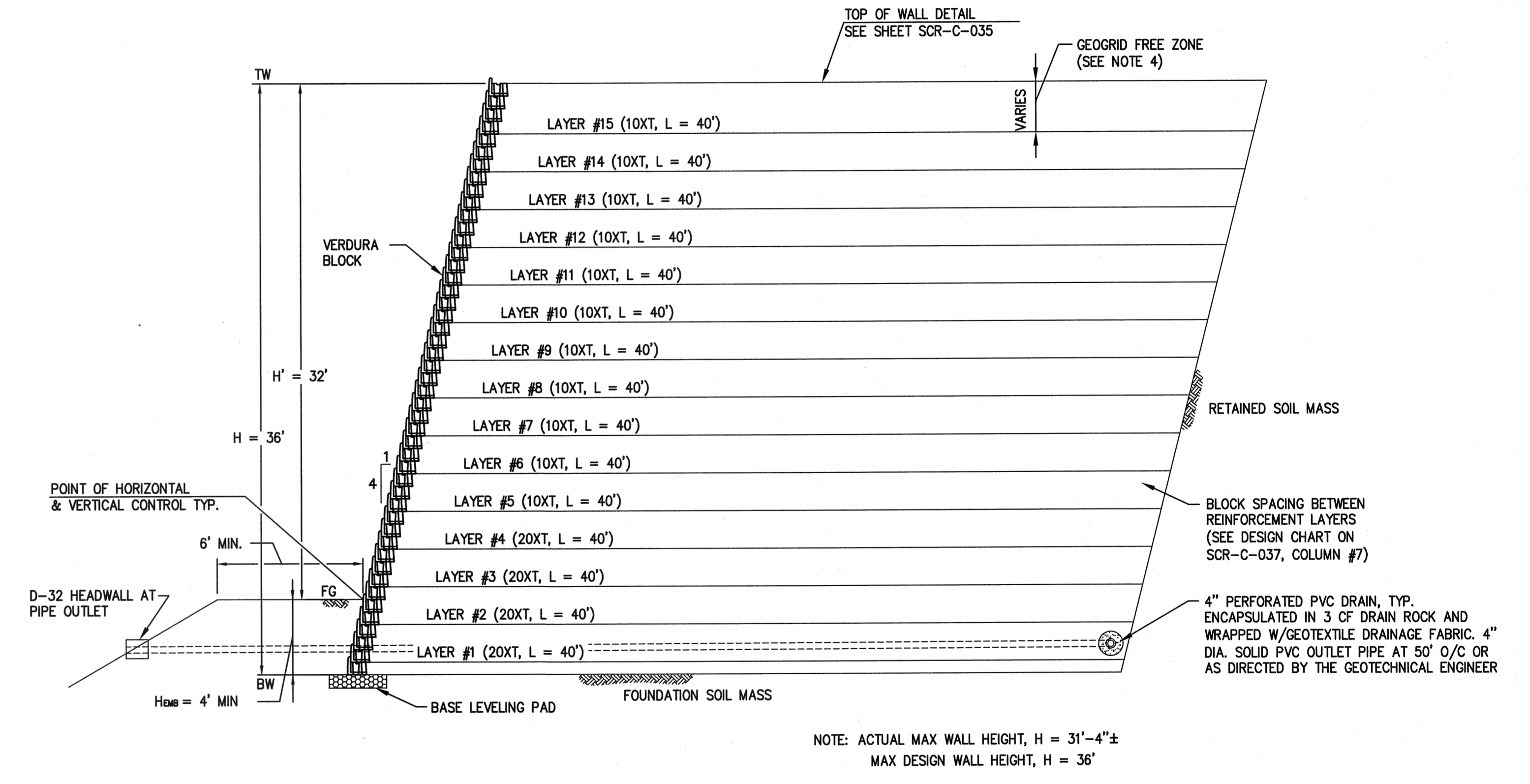
- GEOGRID LENGTHS ARE MEASURED FROM THE BACK OF BLOCK.
- ALL IRRIGATION LINES ARE TO BE INSTALLED ALONG THE FACE OF THE WALL. REFER TO LANDSCAPE PLANS FOR IRRIGATION DETAILS.
- SEE CIVIL PLANS FOR ALL DRAINAGE DETAILS TYP.
- GEOGRID WILL NOT BE PLACED CLOSER THAN THREE COURSES FROM THE TOP OF WALL AND NO FURTHER THAN FIVE COURSES.
- GEOGRID LOCATIONS AND LENGTHS SHOWN ON THE PROFILE TAKE PRECEDENT OVER THE VALUES SHOWN IN THE DESIGN CHART ON SCR-C-037.

LEGEND

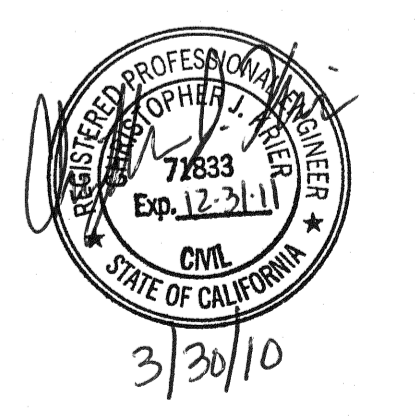
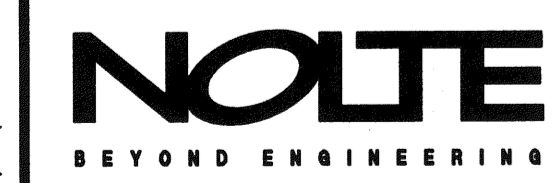
- TW TOP OF MSE STRUCTURE
- BW BOTTOM OF MSE STRUCTURE
- FG FINISH GRADE
- MG MIRAGRID GEOSYNTHETIC REINFORCING
- L GEOGRID LENGTH
- H OVERALL WALL DESIGN HEIGHT
- H' EXPOSED WALL DESIGN HEIGHT
- H_{emb} WALL DESIGN EMBEDMENT HEIGHT
- #XT DENOTES TYPE OF MIRAGRID REINFORCING REQUIRED



WALL 2 MAX DESIGN SECTION
NOT TO SCALE



WALL 5 MAX DESIGN SECTION
NOT TO SCALE



REVISIONS

NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SUNCREST SUBSTATION
TYPICAL SECTION AND DESIGN CHART

DRAWN BY: NS DATE: 3/24/10 SCALE: AS SHOWN W.O.: - REV.: 0
 CHECKED BY: RWM DATE: -
 APPROVED BY: CR DATE: - SHEET 37 OF 66
 CAD NO.: GP37 PLOT SCALE: 1=1

SCR-C-037