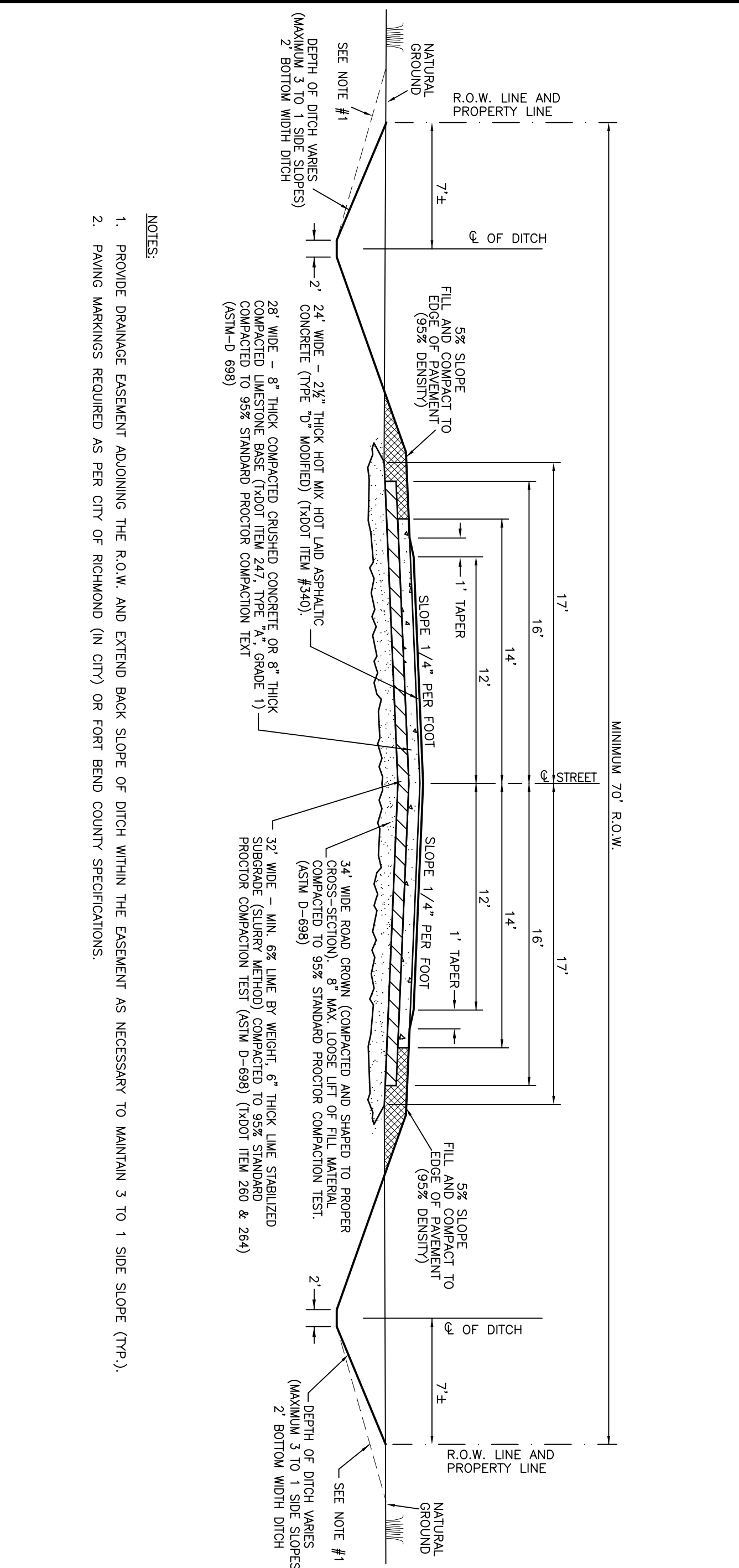


- NOTE:
1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM-615, CURRENT REVISION, GRADE 60. MINIMUM LAP AT ALL SPICES SHALL BE FIFTEEN INCHES (15"). No. 4 BARS @ 18" O.C.E.W.
 2. CONCRETE SHALL HAVE A 3500 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND A MINIMUM 550 P.S.I. FLEXURAL STRENGTH AT 7 DAYS, AND SHALL CONTAIN A MINIMUM OF FIVE AND ONE HALF (5½) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
 3. EXPANSION JOINTS SHALL BE SPACED AT 60'-0" O.C. (MAXIMUM) WITH LATERAL, SAVED JOINTS AT 20'-0" O.C. (MAXIMUM). ALL JOINTS SHALL BE SEALED. THE LOCATION OF CONSTRUCTION JOINTS AND DEFORMED METAL STRIPS MAY BE VARIED WITH CITY APPROVAL.
 4. 6" LIME STABILIZED SUBGRADE SHALL BE A MINIMUM OF 6% LIME, UNLESS SPECIFICALLY APPROVED BY THE CITY.
 5. THE SLOPE BETWEEN PAVEMENT AND THE SIDEWALK/PROPERTY LINE MAY BE INCREASED, WITH APPROVAL FROM THE CITY.

1. STANDARD CONCRETE CURB AND GUTTER STREET CROSS-SECTIONS



- NOTES:
1. PROVIDE DRAINAGE EASEMENT ADJOINING THE R.O.W. AND EXTEND BACK SLOPE OF DITCH WITHIN THE EASEMENT AS NECESSARY TO MAINTAIN 3 TO 1 SIDE SLOPE (TYP.).
 2. PAVING MARKINGS REQUIRED AS PER CITY OF RICHMOND (IN CITY) OR FORT BEND COUNTY SPECIFICATIONS.

3. STANDARD ASPHALT PAVEMENT WITH OPEN DITCH CROSS-SECTION

DIAM.	WALL	O.D.	SLOPE	PIPE LGTH.	TYPE	NO.	A	B	C	D	E	L	END SECT. DIM.
24"	3"	30"	2-6"	2	3	9	36	54	7'-6"	7'-6"	11.27	0.57	11.27
30"	3"	36"	2-6"	2	3	9	48	54	5'-3"	12.33	0.56	12.33	
36"	4"	42"	2-7"	2	3	9	36	72	12'-2"	18.23	0.74	18.23	
42"	4"	48"	2-7"	2	3	9	24	48	11'-0"	15.97	0.66	15.97	
48"	5"	54"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
54"	5"	60"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
60"	6"	66"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
66"	6"	72"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
72"	6"	78"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
78"	6"	84"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
84"	6"	90"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
90"	6"	96"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
96"	6"	102"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
102"	6"	108"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
108"	6"	114"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
114"	6"	120"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
120"	6"	126"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
126"	6"	132"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
132"	6"	138"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
138"	6"	144"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
144"	6"	150"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
150"	6"	156"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
156"	6"	162"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
162"	6"	168"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
168"	6"	174"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
174"	6"	180"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
180"	6"	186"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
186"	6"	192"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
192"	6"	198"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
198"	6"	204"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
204"	6"	210"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
210"	6"	216"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
216"	6"	222"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
222"	6"	228"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
228"	6"	234"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
234"	6"	240"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
240"	6"	246"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
246"	6"	252"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
252"	6"	258"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
258"	6"	264"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
264"	6"	270"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
270"	6"	276"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
276"	6"	282"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
282"	6"	288"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
288"	6"	294"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
294"	6"	300"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
300"	6"	306"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
306"	6"	312"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
312"	6"	318"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
318"	6"	324"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
324"	6"	330"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
330"	6"	336"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
336"	6"	342"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
342"	6"	348"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
348"	6"	354"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
354"	6"	360"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
360"	6"	366"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
366"	6"	372"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
372"	6"	378"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
378"	6"	384"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
384"	6"	390"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
390"	6"	396"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
396"	6"	402"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
402"	6"	408"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
408"	6"	414"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
414"	6"	420"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
420"	6"	426"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
426"	6"	432"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
432"	6"	438"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
438"	6"	444"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
444"	6"	450"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
450"	6"	456"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
456"	6"	462"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
462"	6"	468"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
468"	6"	474"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
474"	6"	480"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
480"	6"	486"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
486"	6"	492"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
492"	6"	498"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
498"	6"	504"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
504"	6"	510"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
510"	6"	516"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
516"	6"	522"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
522"	6"	528"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
528"	6"	534"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
534"	6"	540"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
540"	6"	546"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
546"	6"	552"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
552"	6"	558"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
558"	6"	564"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
564"	6"	570"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
570"	6"	576"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
576"	6"	582"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68	14.73	
582"	6"	588"	2-7"	2	3	9	36	72	10'-0"	14.73	0.68		