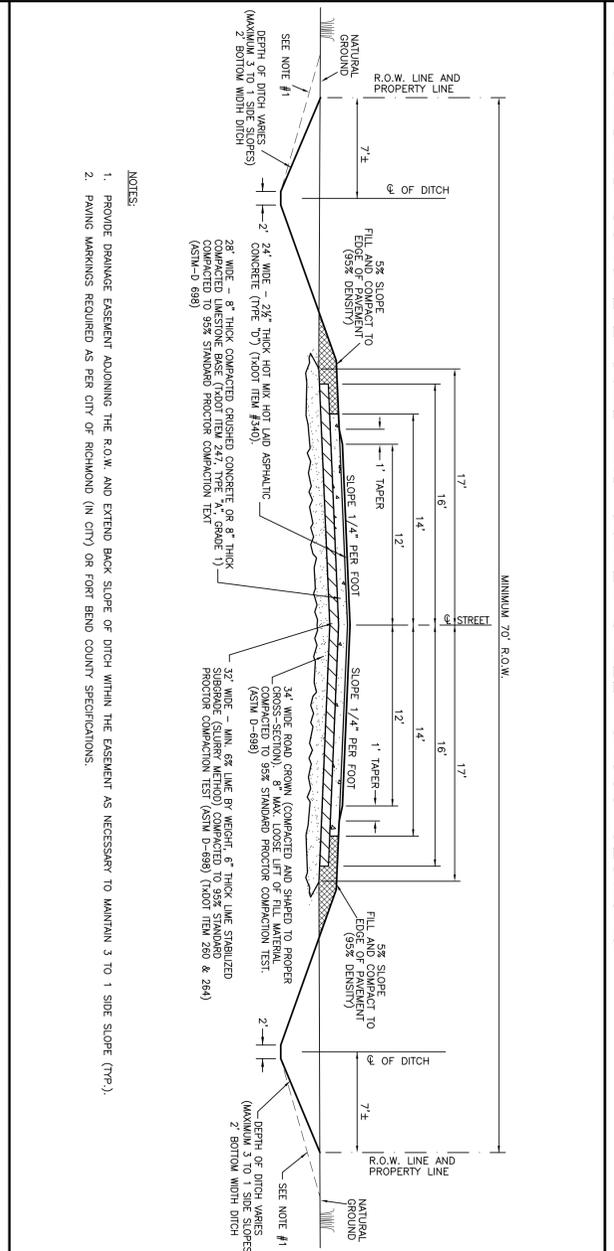
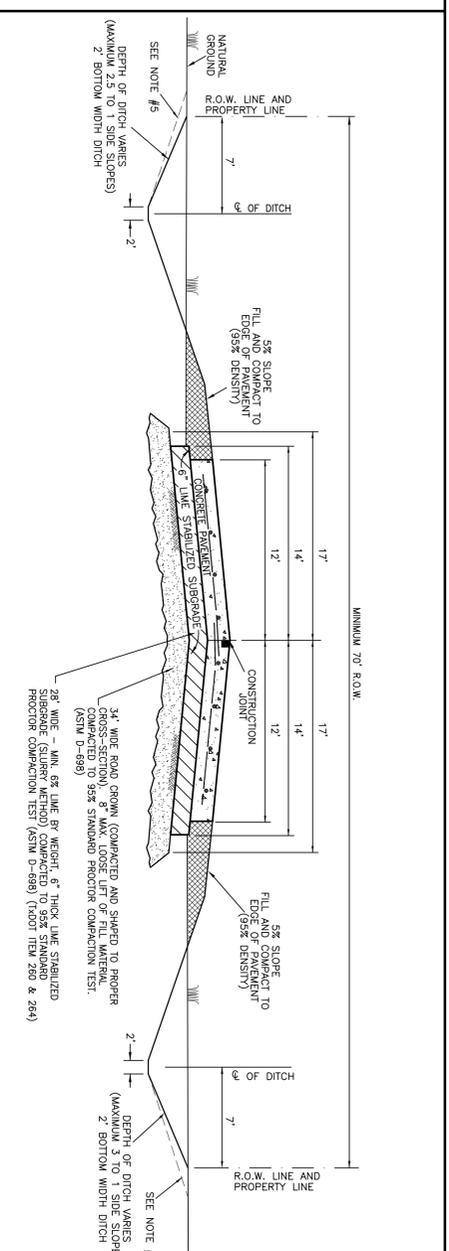


- 1. STANDARD CONCRETE CURB AND GUTTER STREET CROSS-SECTIONS**
- NOTE:
1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM-615, CURRENT REVISION, GRADE 60. MINIMUM LAP AT ALL SPICES SHALL BE FIFTEEN INCHES (15"). No. 4 BARS @ 18" O.C.E.W.
 2. CONCRETE SHALL HAVE A 3500 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS 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.

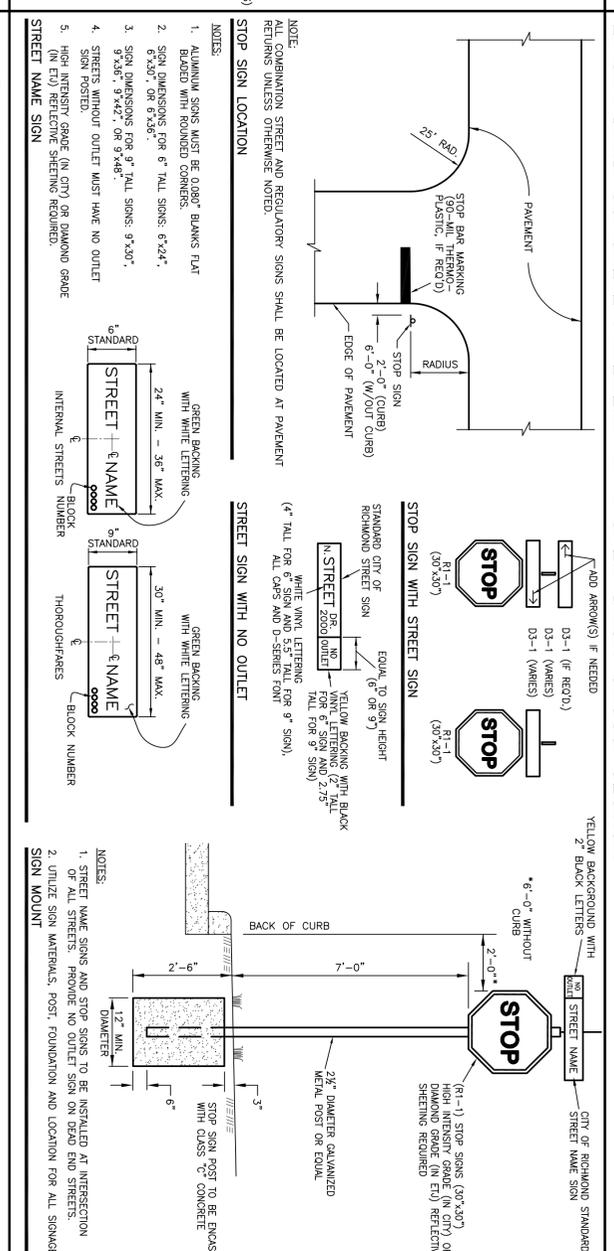


- 3. STANDARD ASPHALT PAVEMENT WITH OPEN DITCH CROSS-SECTION**
- NOTES:
1. PROVIDE DRAINAGE EASEMENT ADJOINING THE R.O.W. AND EXTEND BACK SLOPE OF DITCH WITHIN THE EASEMENT AS NECESSARY TO MAINTAIN 3 TO 1 SIDE SLOPE (TYP.).
 2. PAVING MARKINGS REQUIRED AS PER CITY OF RICHMOND (IN CITY) OR FORT BEND COUNTY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

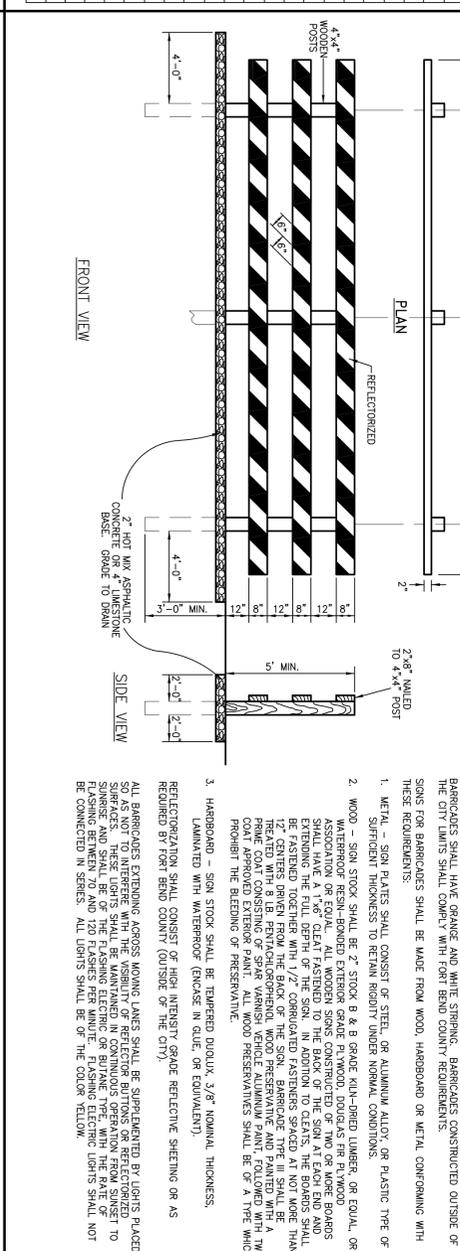
DIAM.	WALL	O.D.	SLOPE	PIPE LGTH.	TYPE	NO.	A	B	C	D	E	L	END SECT. PAVT. THICKNESS
24"	3"	30"	2-6"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
30"	3"	36"	2-6"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
36"	4"	42"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
42"	4"	48"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
48"	5"	54"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
54"	5"	60"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
60"	6"	66"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
66"	6"	72"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57
72"	6"	78"	2-7"	2	3	9	36	54	7'-6"	7'-6"	11'-2"	0.57	0.57



- 2. STANDARD CONCRETE PAVEMENT WITH OPEN DITCH CROSS-SECTION**
- 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. 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.).



- 4. TRAFFIC SIGNAGE**
- NOTE:
1. ALL COMBINATION STREET AND REGULATORY SIGNS SHALL BE LOCATED AT PAVEMENT RETURNS UNLESS OTHERWISE NOTED.
 2. STOP SIGN LOCATION
 3. STOP SIGN WITH STREET SIGN
 4. STOP SIGN WITH NO OUTLET
 5. STREET NAME SIGN



- 6. TYPE 'III' BARRICADE**
- NOTE:
1. BARRICADES SHALL BE CONSTRUCTED OF CLEAN SOUND LUMBER CUT TO THE NOMINAL DIMENSION SHOWN ON THESE DETAILS. BARRICADES SHALL BE OF FIRST CLASS WORKMANSHIP. ALL SURFACES ABOVE GROUND SHALL BE PAINTED WITH PRIME COAT AND TWO COATS OF AN APPROVED WHITE PLYURETHYLENE RESIN-BLENDED EXTERIOR GRADE PAVEMENT DOUGLAS FIR WOOD. WATERPROOF RESIN-BLENDED EXTERIOR GRADE PAVEMENT DOUGLAS FIR WOOD SHALL HAVE A 1/2" CLEAR FASTENED TO THE BACK OF THE SIGN AT EACH END AND EXTENDING THE FULL DEPTH OF THE SIGN. IN ADDITION TO CLEATS, THE BOARDS SHALL BE FASTENED TOGETHER WITH 1/2" CORRUGATED FASTENERS SPACED AT NOT MORE THAN 12" ON CENTER. THE FASTENERS SHALL BE GALVANIZED AND PAINTED WITH A PRIME COAT CONSISTING OF SPARE VARNISH VEHICLE ALUMINUM PAINT FOLLOWED WITH TWO COATS APPROVED EXTERIOR PAINT. ALL WOOD PRESERVATIVES SHALL BE OF A TYPE WHICH PROHIBITS THE BLEEDING OF PRESERVATIVE.
 2. HARBORBOARD - SIGN STOCK SHALL BE TAPERED DUALUX, 3/8" NOMINAL THICKNESS, LAMINATED WITH WATERPROOF (FENCE IN GUE, OR EQUIVALENT).
 3. REFLECTORIZING SHALL CONSIST OF HIGH INTENSITY GRADE REFLECTIVE SHEETING OR AS REQUIRED BY FORT BEND COUNTY (OUTSIDE OF THE CITY).

CITY OF RICHMOND STANDARD CONSTRUCTION DETAILS PAVING

SCALE: 1" = 12"

DESIGNED BY: RMS
DRAWN BY: DGB
CHECKED BY: KKR

DATE: OCTOBER 24, 2005
JOB NO.:
DMC NO.:

Sheet: **R-7**

CITY OF RICHMOND APPROVALS

NO.	DATE	REVISIONS	APPROVAL
1	8/16/11	REVISE DETAIL 3 (REMOVE MODIFIED)	KRR

ENERGY KUNZ, DIRECTOR OF PUBLIC WORKS

GARREN SCHMIDT, WATER SUPERINTENDENT

WAGE WENIG, WASTEWATER SUPERINTENDENT

JIM WHITEHEAD, STREET SUPERINTENDENT

DYNAMIC PRICE, PARKS SUPERINTENDENT