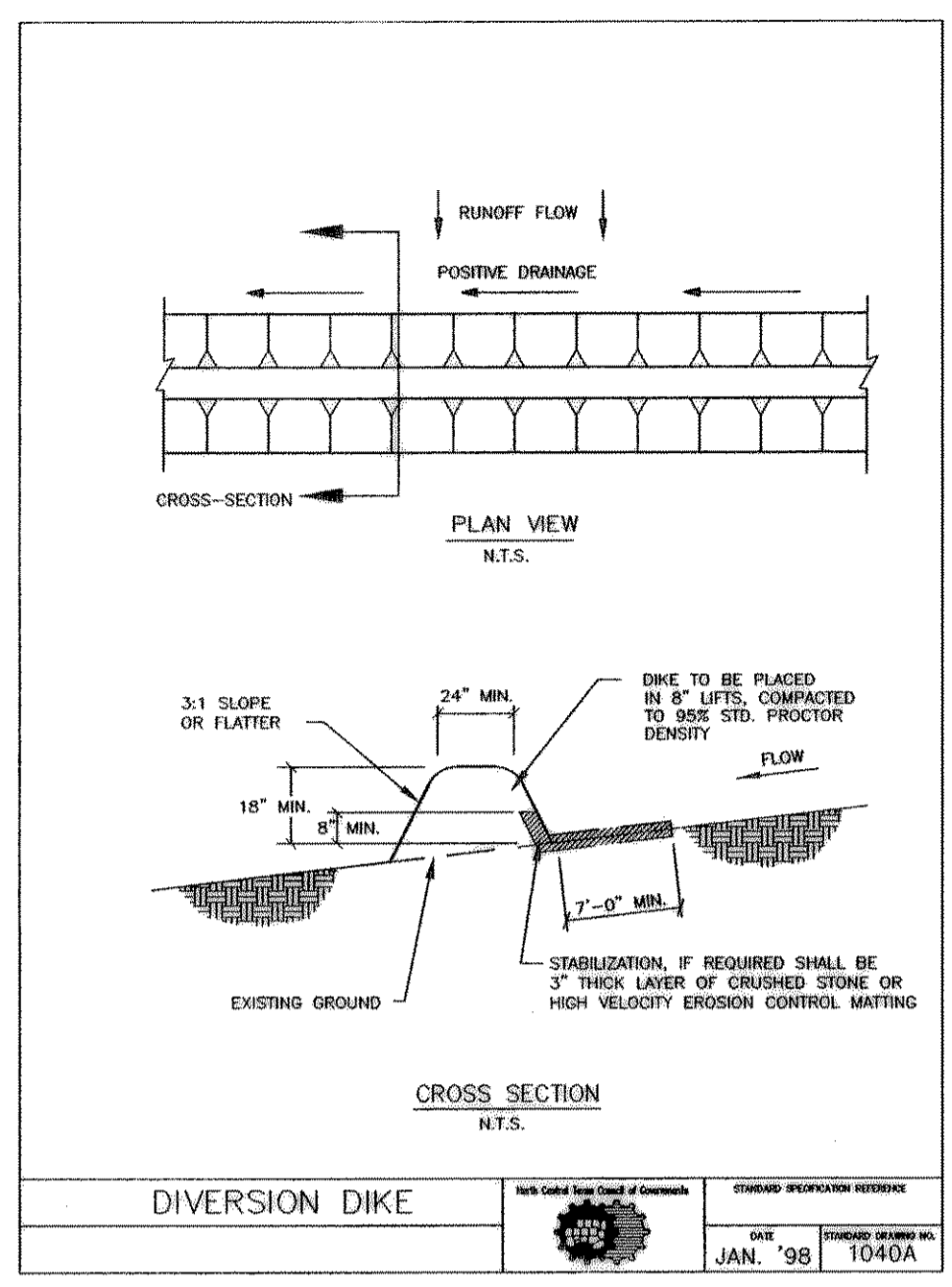


BENCHMARK:
BRASS CAP MONUMENT NO. 10 SET IN CONCRETE IN THE CENTER OF GRASS MEDIAN IN MASTERS DRIVE BETWEEN NORTH LAKESHORE & SHORES BLVD.
N 7032464.6317, E 2589554.1518
ELEV. = 524.62

NOTE: NO STABILIZATION REQUIRED ON UPSTREAM END OF DIVERSION BERM.

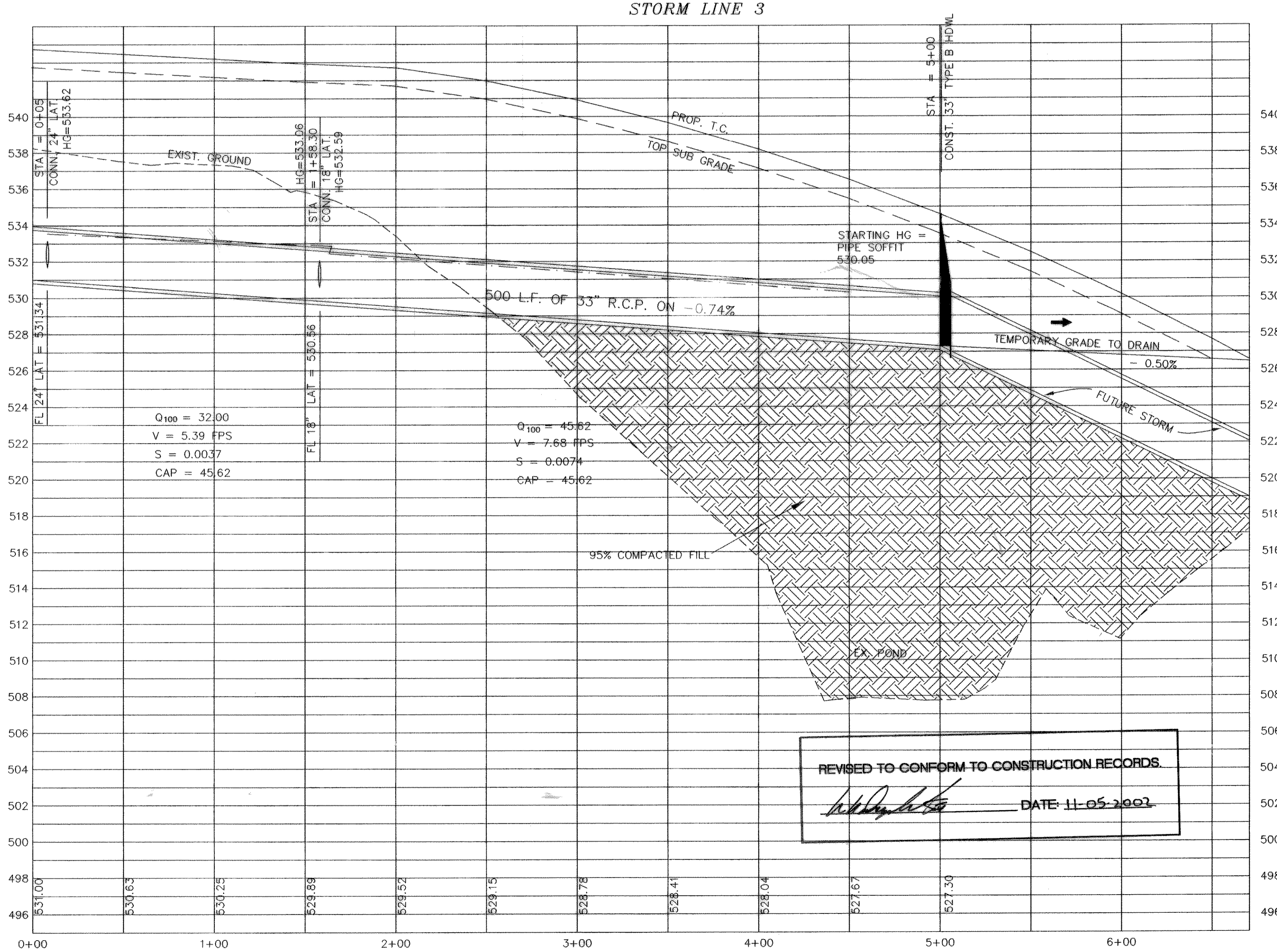
NOTE: ALL AREAS WITHIN THE GRADE TO DRAIN SHALL HAVE SEEDED CURLEX INSTALLED. CURLEX SHALL BE STAPLED IN PLACE AND SHALL HAVE A RYE/BERMUDA MIX SEED.



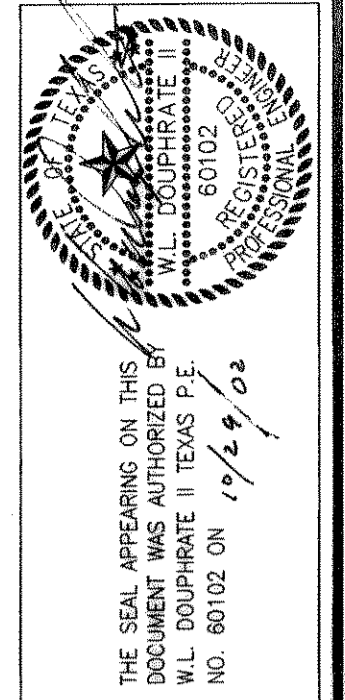
DIVERSION DIKE GENERAL NOTES:

- ALL DIKES SHALL BE PLACED IN 8" LIFTS OR LESS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL DIVERSION DIKES SHALL HAVE POSITIVE DRAINAGE TO A CONTROLLED OUTLET.
- DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED AREA SHALL ITS OUTLET FLOW DIRECTED TO AN UNDISTURBED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.
- DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED AREA SHALL BE CONVEYED TO SEDIMENT TRAP SUCH AS A ROCK BERM, TEMPORARY SEDIMENT TRAP OR SEDIMENT BASIN OR TO AN AREA PROTECTED BY ANY OF THESE MEASURES.
- STABILIZATION IS REQUIRED WHEN VELOCITIES EXCEED 6 FEET PER SECOND OR WHEN GRADES EXCEED 2.0%. STABILIZATION SHALL BE CRUSHED STONE PLACED IN A LAYER OF AT LEAST 3 INCHES THICKNESS OR HIGH VELOCITY EROSION CONTROL MATTING. VEGETATION MAY BE USED FOR VELOCITIES LESS THAN 6 FEET PER SECOND.
- INSPECTION SHALL BE CONDUCTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAINFALL EVENT.

DATE: JAN. '98
SCALE: 10/40B



From	To	Length	Box Height	Width	DESIGN Q100	Pipe Size (in)	CAP Q100	FULL V	PARTIAL V	PARTIAL FLOW %	FLOW CHT. No.	Flow KJ	Flow R(f)	Flow R(2/3)	Flow Area	FULL S	DESIGN S	HGL Rise	HGL Number
STM 3 SCHOOL	500.00	158.3	341.7		45.62	33	45.49	7.68	7.68	1.00	1.00		0.6875	0.7790	5.9396	0.0074	0.0074	2.5425	532.59
Junction Loss	158.30	5	153.3		32	33	45.49	5.39	5.98	0.70	1.11	1.0000	0.6875	0.7790	5.9396	0.0037	0.0074	0.5612	533.06
																			533.62



DOUPHRATE & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEERING SURVEYING
22835 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
PHONE: (972)771-0004 FAX: (972)771-9005

STORM SEWER PLAN & PROFILE
LINE 3
ROCKWALL ELEMENTARY SCHOOL #9 AREA
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION:
- REVISIONS PER CITY COMMENTS 10/31/01
- REVISIONS PER CITY COMMENTS 12/05/01
- REVISIONS 2/10/02

W.L.D. CHECKED
K.E.B. DRAWN
6/01 DATE
9919-S-STM3 PROJECT
17 OF