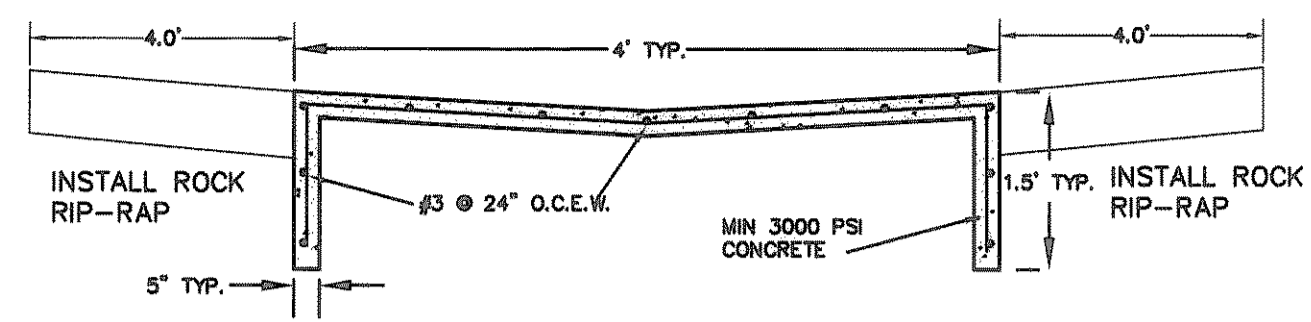


PROJECT BENCHMARK
CITY OF ROCKWALL, TEXAS
CONTROL MONUMENTATION
MONUMENT NAME : RESET #6
ELEVATION: 506.513

BENCH MARK
BOX CUT @ CENTERLINE OF CURB INLET
ON SOUTH LINE OF HORIZON ROAD
300' ± FOR ITS INTERSECTION WITH THE
WEST LINE OF RIDGE ROAD
ELEV: 557.54

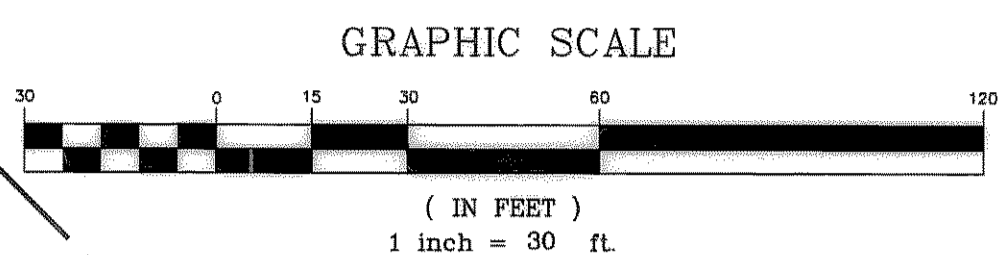
BENCH MARK
BOX CUT @ CENTERLINE OF CURB INLET
ON NORTH LINE OF HORIZON ROAD
300' ± FOR ITS INTERSECTION WITH THE
WEST LINE OF RIDGE ROAD
ELEV: 557.62



TYPICAL SECTION OF CONC. FLUME

NOTE:
ALL CONSTRUCTION SHALL CONFIRM TO THE CITY OF ROCKWALL PUBLIC WORKS CONSTRUCTION STANDARD AND SPECIFICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THESE STANDARDS FOR CONSTRUCTION OF THE WATER SEWER PAVING AND DRAINAGE.

CAUTION:
EXISTING UTILITIES SHOWN HERE HAVE BEEN OBTAINED FROM REFERENCE INFORMATION AND AS-BUILT PLANS. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTION TO PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO START CONSTRUCTION.

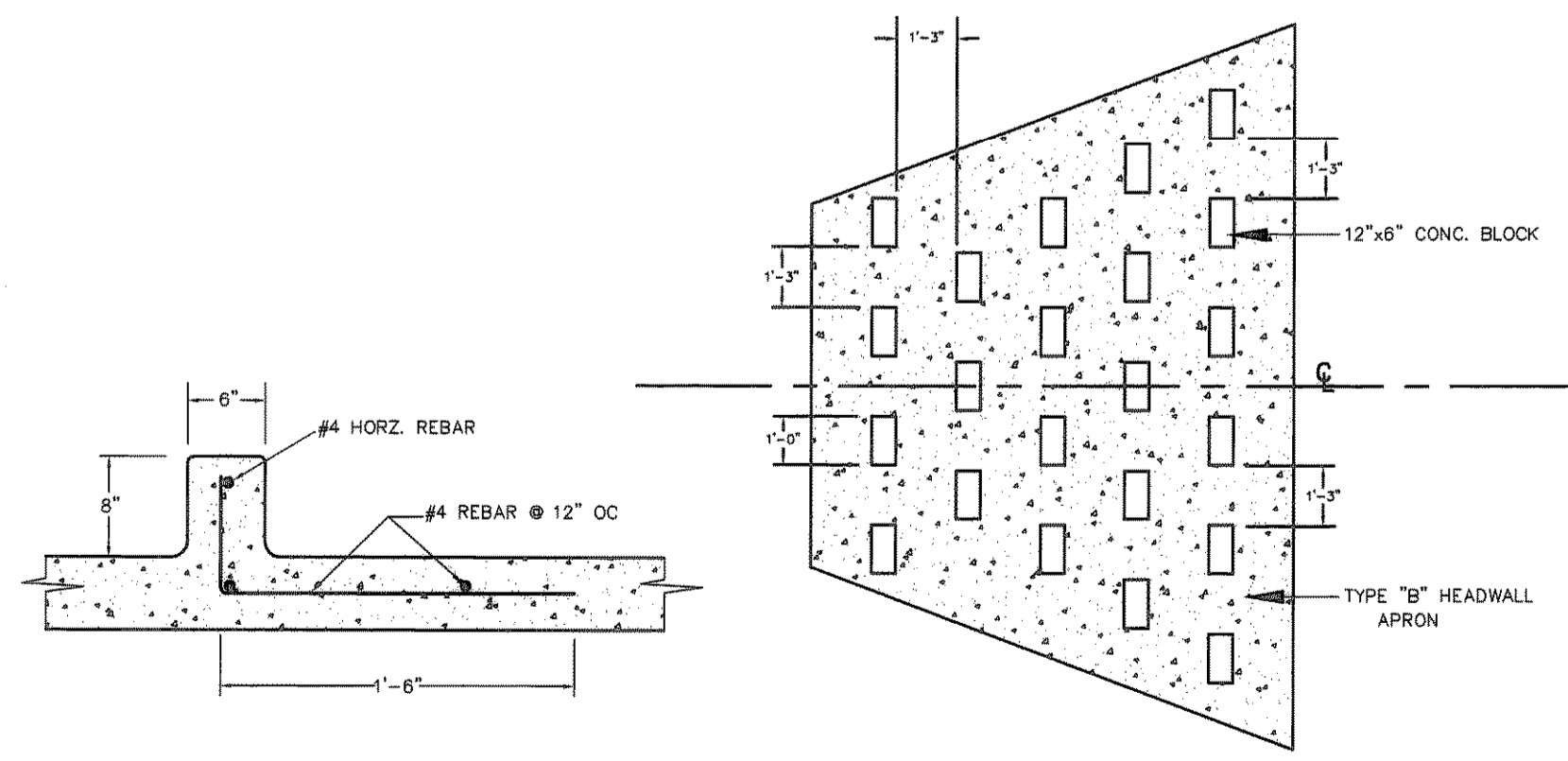
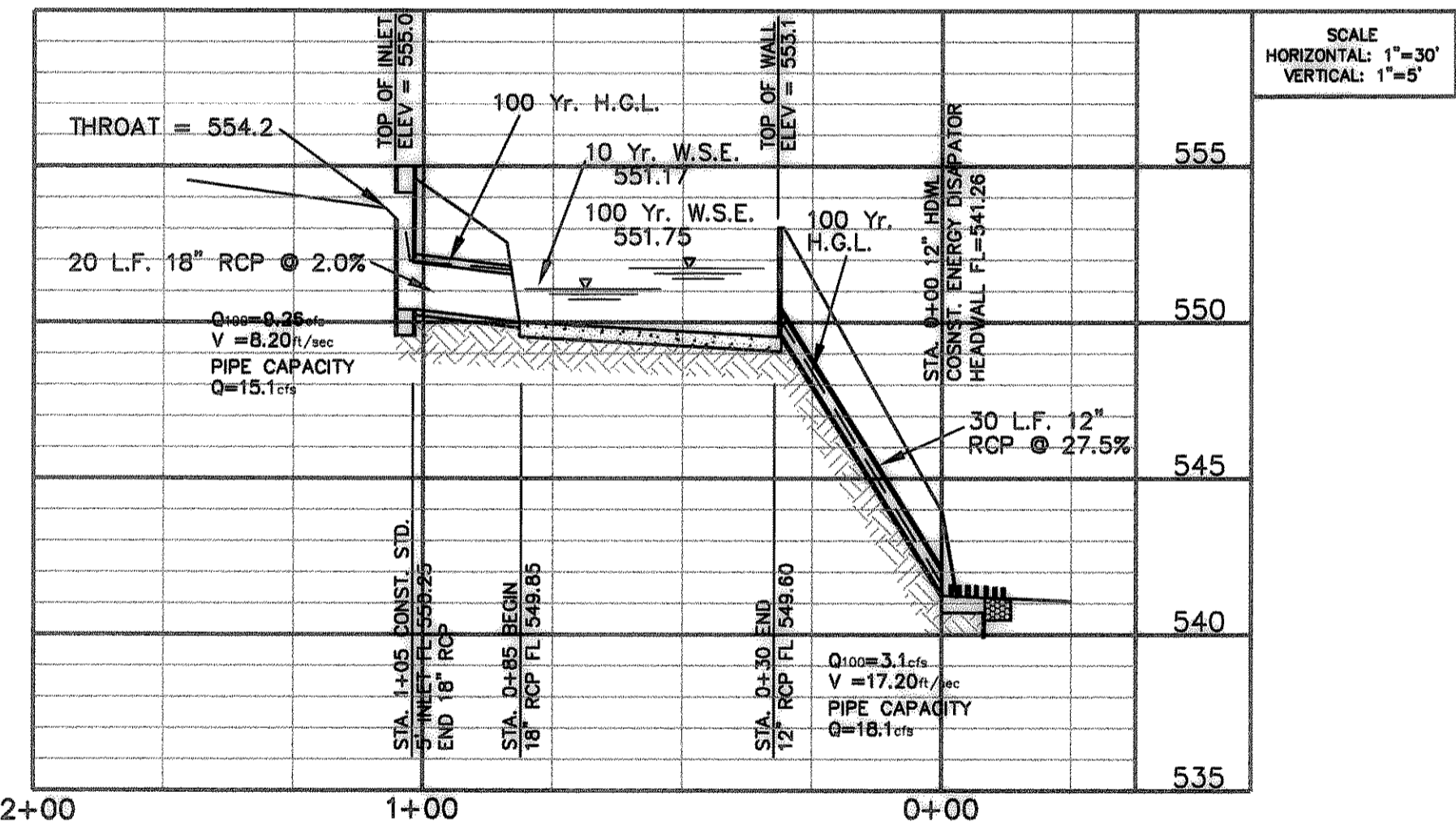


POND CALCULATION (MODIFIED RATIONAL METHOD)

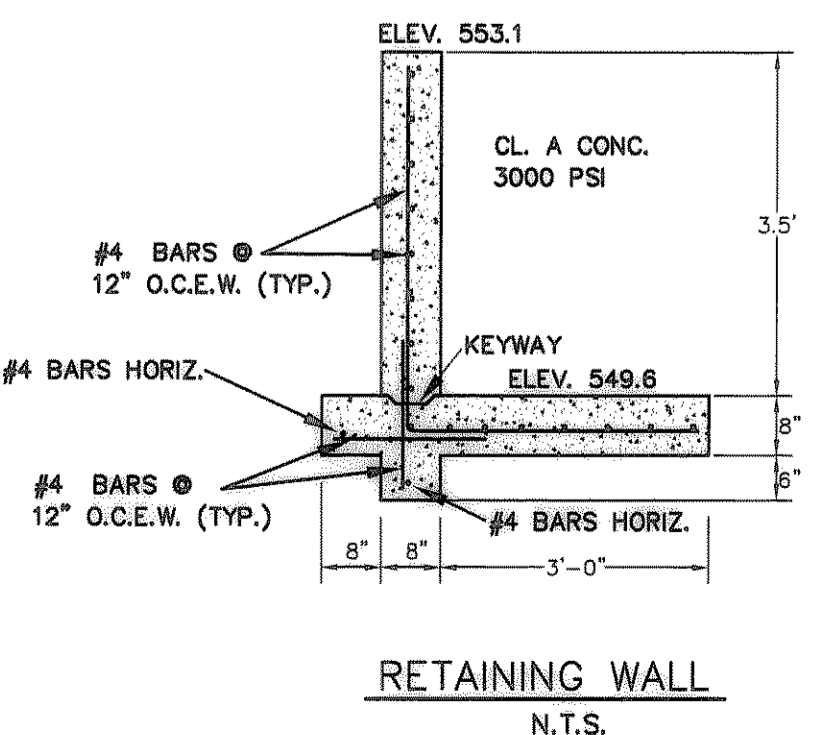
Storm Duration (T _s)	R (yr)	I (in/hr)	Q _i (cfs)	Q _m (cfs)	I _l (cf)	Q _m (cf)	V (cf)
10	100	9.8	9.3	3.1	5,557	1,830	3,726
15	100	8.6	9.1	3.1	6,106	2,289	5,898
20	100	8.3	7.8	3.1	9,411	2,745	6,666
30	100	6.6	6.2	3.1	11,210	3,680	7,530
40	100	5.5	5.2	3.1	12,526	4,575	7,950
50	100	4.8	4.5	3.1	13,585	5,490	8,075
60	100	4.2	4.0	3.1	14,428	6,406	8,023
70	100	3.8	3.6	3.1	15,168	7,321	7,848
80	100	3.5	3.3	3.1	15,818	8,236	7,583

2Yr. V = 3,828 cf = 0.083 ac-ft at Q = 1.4 cfs
25Yr. V = 6,148 cf = 0.141 ac-ft at Q = 2.6 cfs
100Yr. V = 8,075 cf = 0.185 ac-ft at Q = 3.1 cfs

REQUIRED MINIMUM POND STORAGE=8,075 cf
PROVIDED POND STORAGE = 8,604

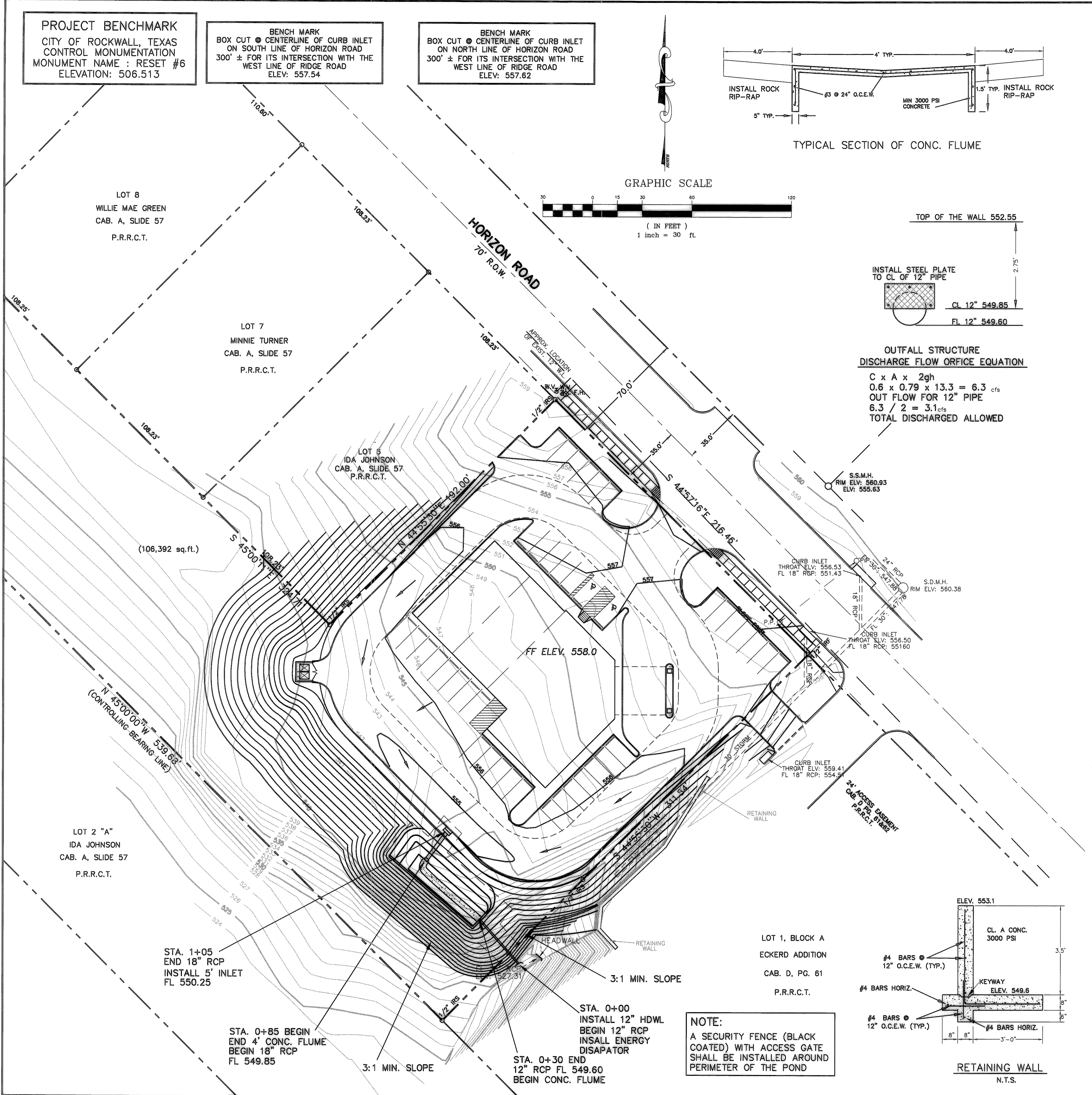


ENERGY DISSIPATOR DETAILS
N.T.S.

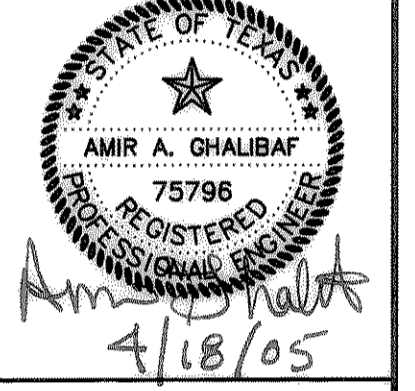


RETAINING WALL
N.T.S.

NOTE:
A SECURITY FENCE (BLACK COATED) WITH ACCESS GATE SHALL BE INSTALLED AROUND PERIMETER OF THE POND



DMG ASSOCIATES, INC.
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2908 COTTONWOOD LANE
COLLEYVILLE, TEXAS 76034
TEL (817) 457-9704
FAX (817) 571-9979



DETENTION POND PLAN AND CALCULATIONS
LOT 1, BLOCK A, SONG ADDITION
CITY OF ROCKWALL,
ROCKWALL COUNTY, TEXAS

DESIGN	AAG	CAD	AAG	DATE	JULY, 2004	PROJECT	02-144
SHEET	6	OF	11				

RECORD DRAWINGS