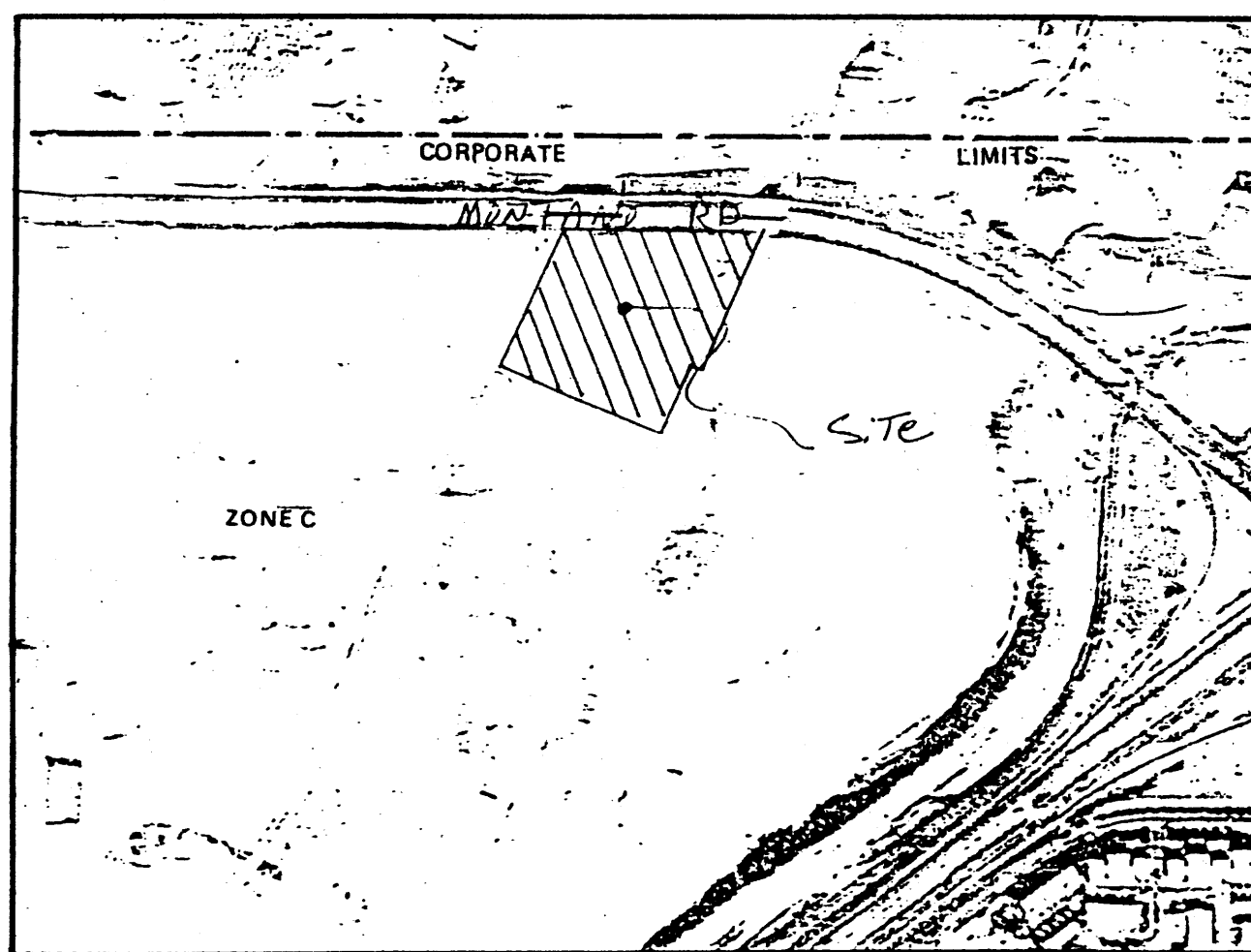
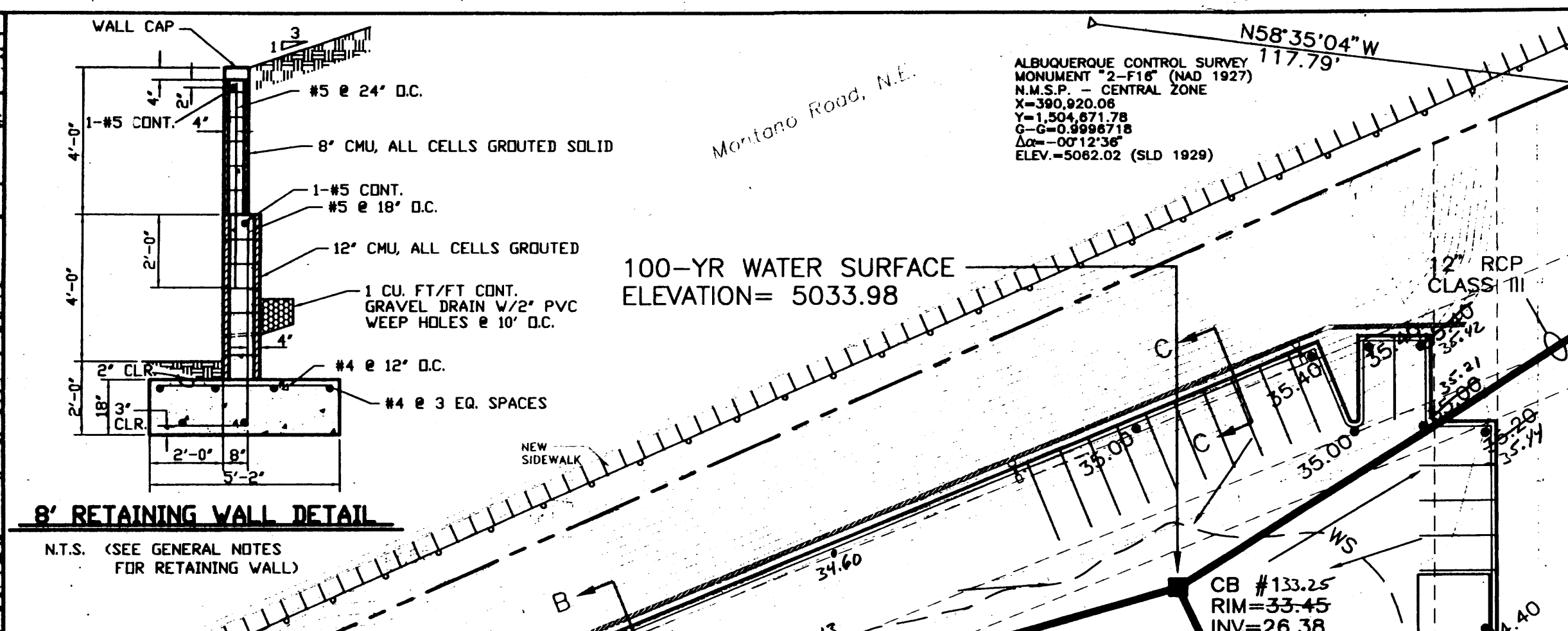
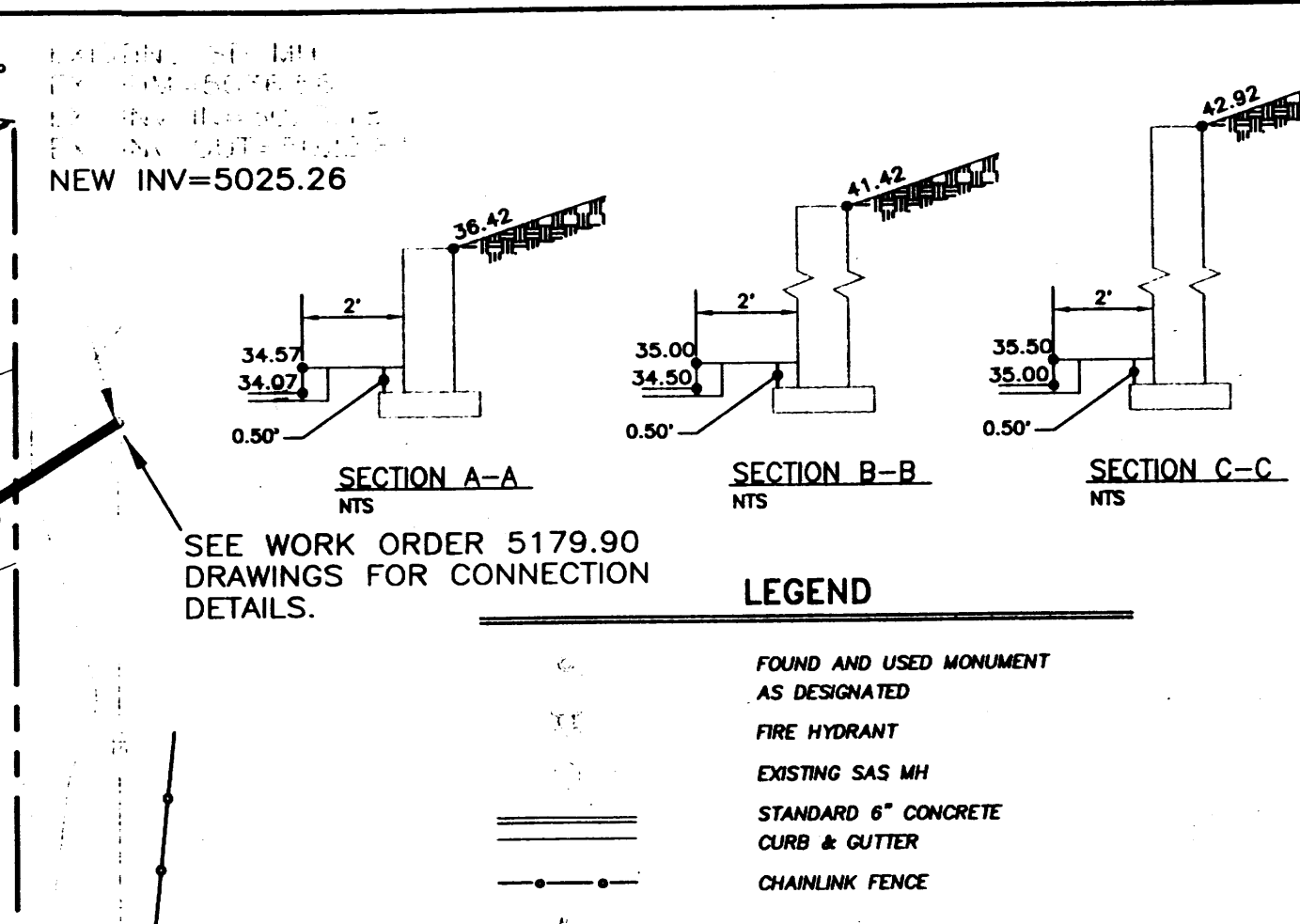
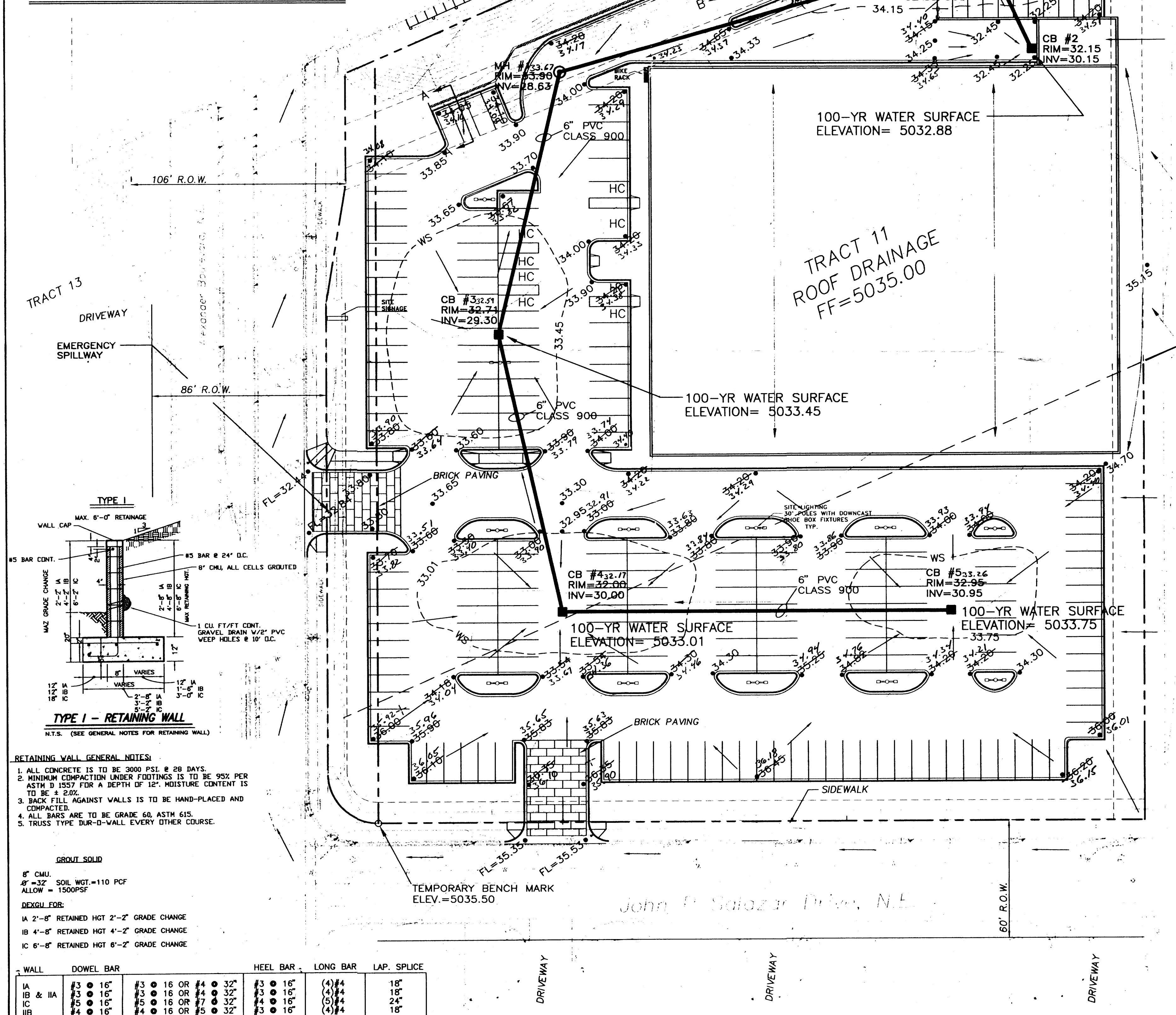




FEMA MAP 350002-0016



RETAINING WALL 6' EST. HT.



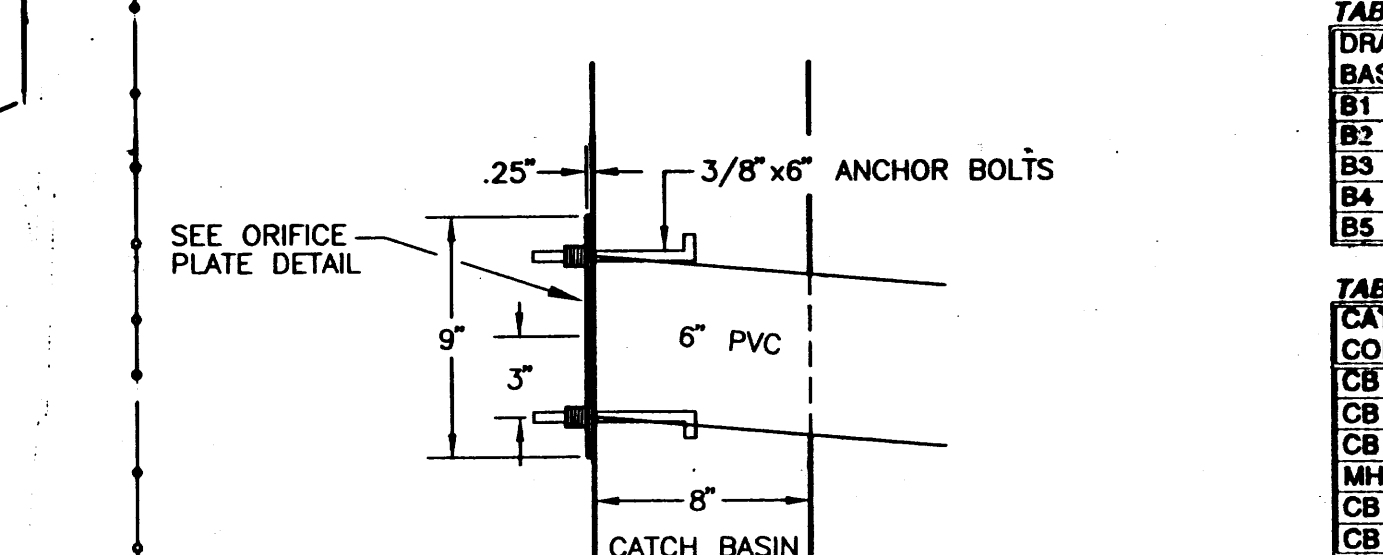
SEE WORK ORDER 5179.90 DRAWINGS FOR CONNECTION DETAILS.

LEGEND

FOUND AND USED MONUMENT AS DESIGNATED	YES
FIRE HYDRANT	
EXISTING SAS MH	
STANDARD 6" CONCRETE CURB & GUTTER	
CHAINLINK FENCE	
WATER VALVE	
WATER METER	
OVERHEAD UTILITY LINES	
SET 1/2" IN CONCRETE	
EXISTING STORM DRAIN MANHOLE	
NEW SPOT ELEVATION (TOP OF ASPHALT)	
NEW CATCH BASIN	
NEW STORM DRAIN MANHOLE	
NEW STORM DRAIN LINE	
RETAINING WALL	
WATER SURFACE ELEVATION	

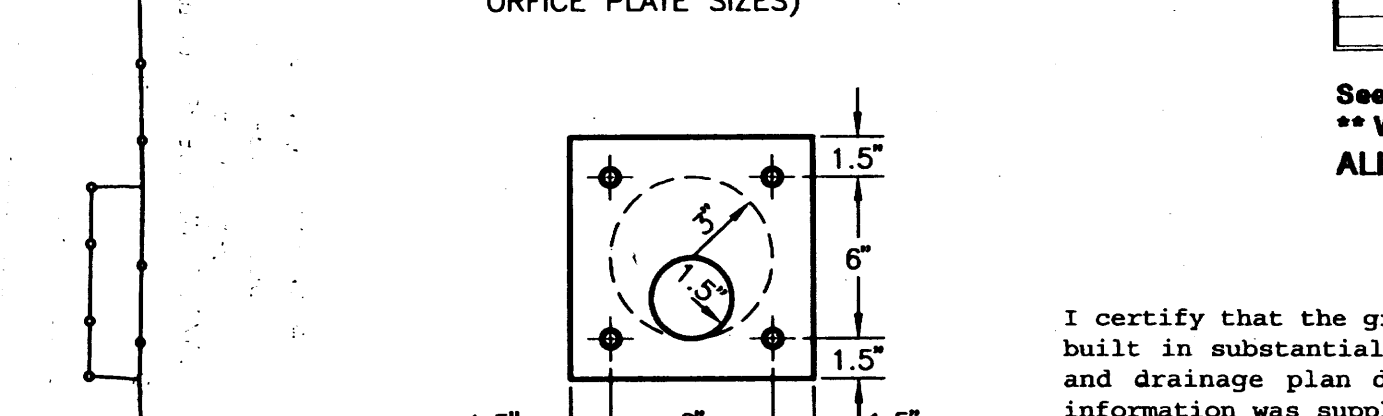
EROSION CONTROL PLAN NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERM IS REQUIRED ON THE SOUTH & WEST PROPERTY LINE TO DIVERT RUNOFF TO NEW DESILTING POND ON THE SOUTHWEST SIDE OF THE TRACT.
5. EROSION CONTROL BERM MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION ON SITE.



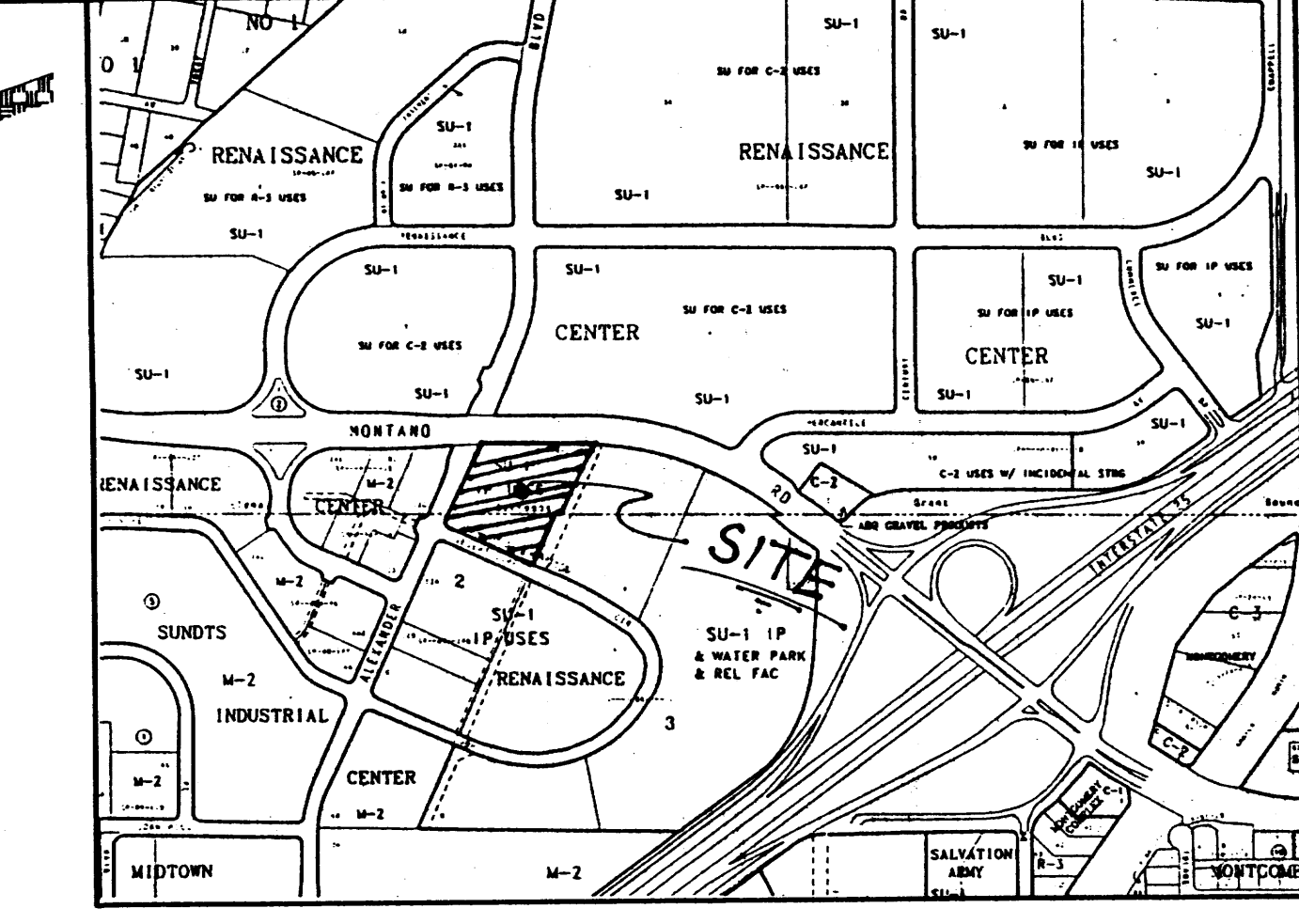
DETAIL A

TO BE INSTALLED @ THE OUTFLOW OF ALL CATCH BASINS (SEE TABLE FOR ORIFICE PLATE SIZES)



GENERAL NOTES

1. ALL ELEVATIONS ARE AT FLOWLINE.
2. WE ARE RECOMMENDING TO DRAIN THE ROOF RUN-OFF TO THE CATCH BASINS THROUGH A STORM DRAIN PIPE.
3. ALL ENTRANCES SHALL HAVE A 1' WATER BLOCK.
4. EAST ENTRANCE WILL BE USED AS THE EMERGENCY SPILLWAY.
5. SEE DRAINAGE REPORT FOR SUPPLEMENTARY CALCULATIONS AND DETAILS ON THE DRAINAGE PIPE & ORIFICE PLATE SIZES.
6. SPOT ELEVATIONS ARE TOP OF ASPHALT. CURB ELEVATIONS ARE SPOT ELEVATION PLUS 6".
7. ALL WHEELCHAIR RAMPS WILL BE BUILT TO CITY STANDARD DRAWING #2441 AND 2426.
8. TEMPORARY BENCH MARK LOCATED AT THE SE PROPERTY CORNER. ELEVATION SUPPLIED BY PRECISION SURVEY (5035.50). FIELD VERIFY BENCH MARK PRIOR TO USE.



VICINITY MAP F-16-Z

LEGAL DESCRIPTION: TRACT 11 OF RENAISSANCE CENTER

GART SPORTS

BUILDING AREA: 45,968sf (232' X 194')
NET LEASABLE AREA: 44,800sf
TOTAL PARKING ON SITE: 224 SPACES
TOTAL PARKING REQUIRED AT 5/1000sf: 224 SPACES
HCDP PARKING REQ'D: 8 SPACES
HCDP PARKING PROVIDED: 8 SPACES
BUILDING USE: RETAIL SALES

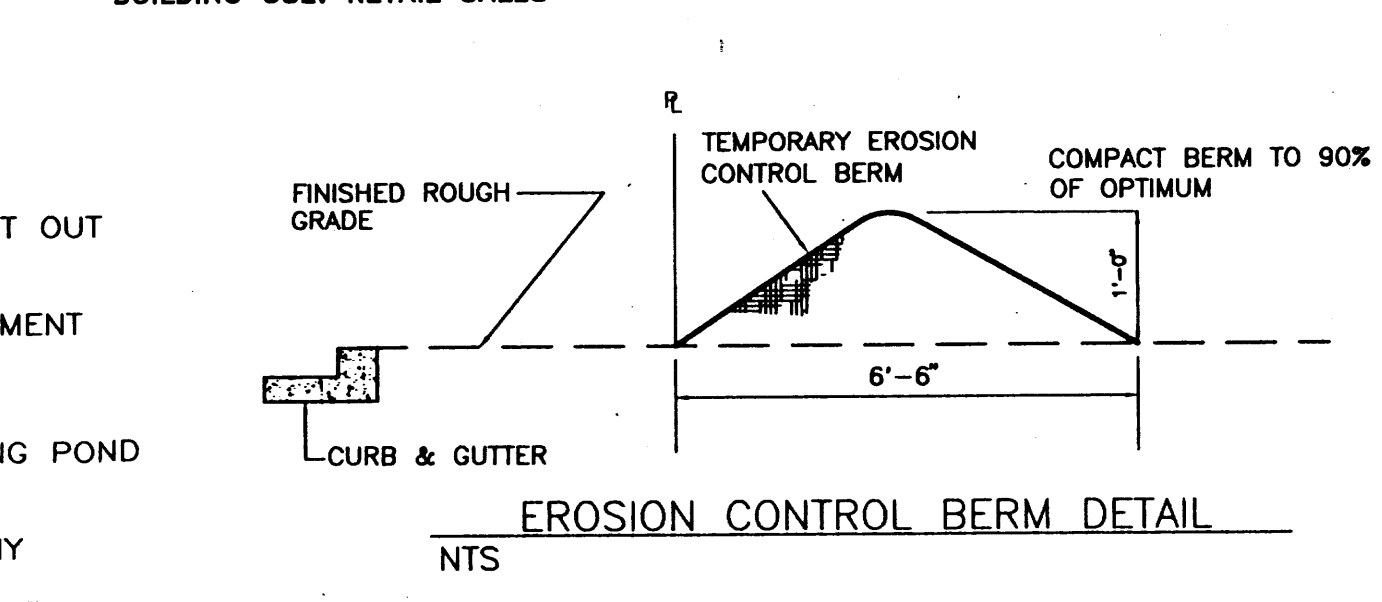


TABLE 1

DRAINAGE BASIN	Qp-10YR (CFS)	V-RUNOFF (AC-FT)	Qp-100YR (CFS)	V-RUNOFF (AC-FT)	ORIFICE PLATE SIZE ON PIPE COMING OUT OF CB
B1	8.85	0.137	2.76	0.102	3.5"
B2	3.85	0.130	0.18	0.005	3"
B3	2.35	0.083	3.63	0.134	3"
B4	0.10	0.003	5.64	0.209	3"
B5	1.79	0.063	5.94	0.220	3"

TABLE 2

CATCH BASIN CONNECTIONS	FLOW W/ PLATE	L.F.	PIPE USED	SLOPE	VELOCITY (FT/S)
CB 5 TO 4	0.28	190.00	6"-PVC	0.50 %	2.39
CB 4 TO 3	0.32	142.66	6"-PVC	0.50 %	2.4
CB 3 TO MH	0.27	135.05	6"-PVC	0.50 %	2.31
MH TO CB1	0.27	216.18	6"-PVC	1.04 %	3.05
CB 2 TO 1	0.27	141.60	6"-PVC	6.69 %	5.99
CB 1 TO MH	0.91	148.00	12"-RCP	1.01 %	3.02

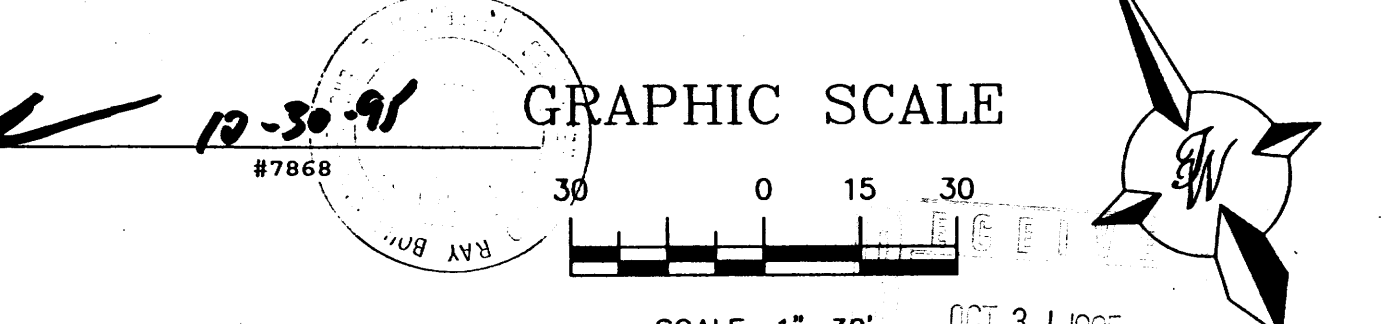
TABLE 3

CATCH BASIN	INV. @ CB (FT)	WT. ELEV. (FT)	RIM ELEV. (FT)	**WT. HT. (FT)
B1	5024.85	5033.98	5033.45	0.53
B2	5028.15	5032.88	5042.15	0.73
B3	5027.77	5033.45	5032.71	0.74
B4	5028.47	5033.01	5032.00	1.01
B5	5029.42	5033.75	5032.95	0.80

See Grading and Drainage Plan for drainage patterns and catch basin locations.
** Water height (100-YEAR WATER SURFACE ELEVATION) from the rim of the catchbasin.
ALL CATCH BASINS ARE BUILT TO CITY STD DWG # 2206

APPROVAL FOR ROUGH GRADING PLAN DATE

I certify that the grades shown on the plans have been built in substantial accordance with approved grading and drainage plan dated 10-30-91. Survey information was supplied by Jayco Corp in accordance with normal surveying practices.



ENGINEER'S SEAL	ALBUQUERQUE GART SPORTS	DRAWN BY BDC
	GRADING & DRAINAGE PLAN	DATE 02/09/95
	TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES	SHEET #
	4600 MONTGOMERY BLVD. N.E., SUITE 3 ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592	JOB # 940031