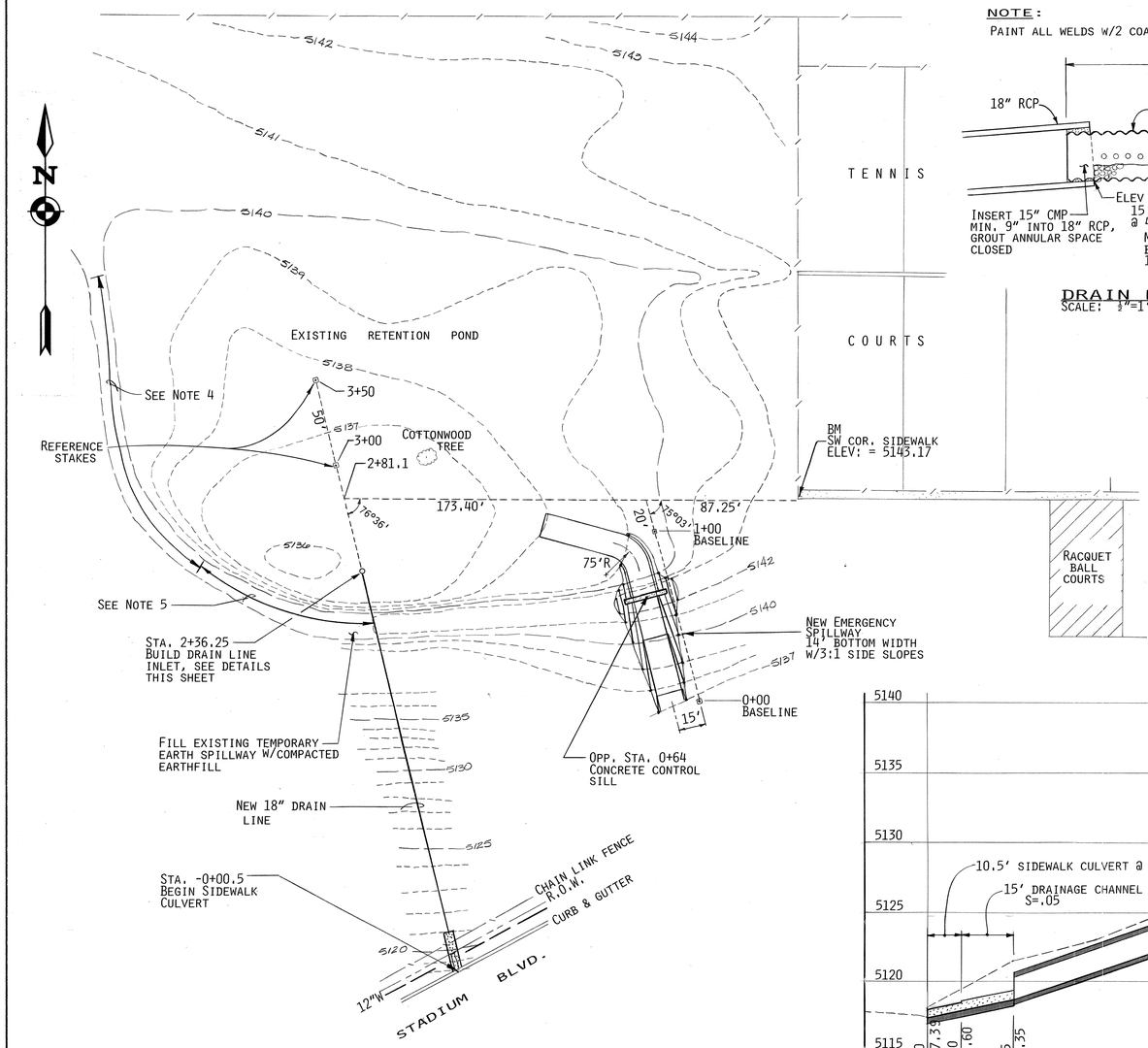
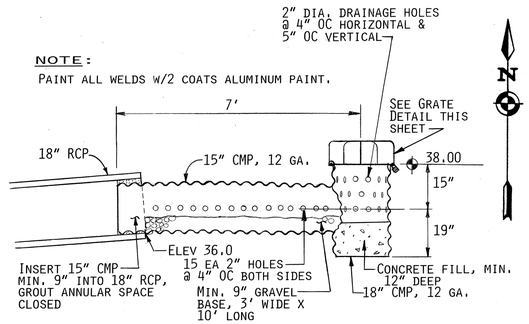
UNM STUDENT FAMILY HOUSING



PLAN OF DRAIN LINE & SPILLWAY

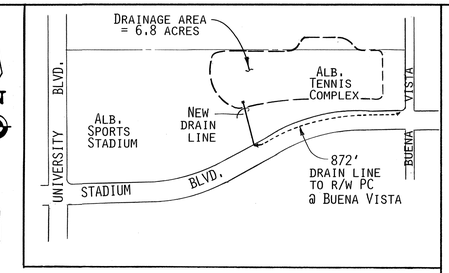
SCALE: 1"=40'

NOTE:
PAINT ALL WELDS W/2 COATS ALUMINUM PAINT.



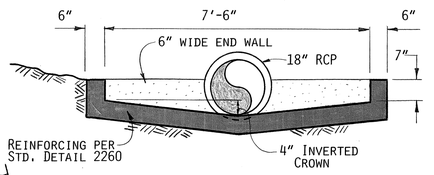
DRAIN LINE INLET

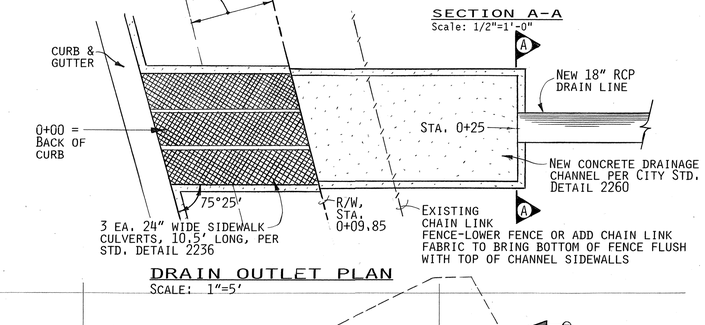
SCALE: 3/4"=1'-0"



LOCATION MAP

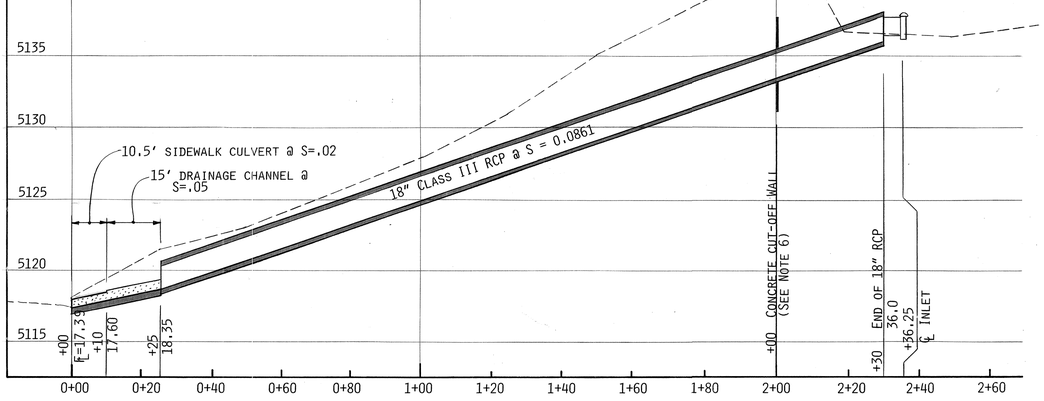
SCALE: 1"=400'





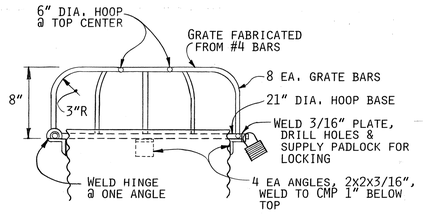
DRAIN OUTLET PLAN

SCALE: 1"=5'



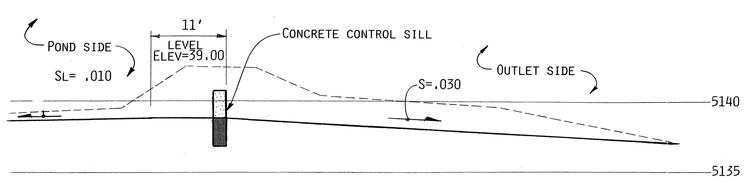
DRAIN LINE PROFILE

1"=20' HOR.
1"=5' VERT.



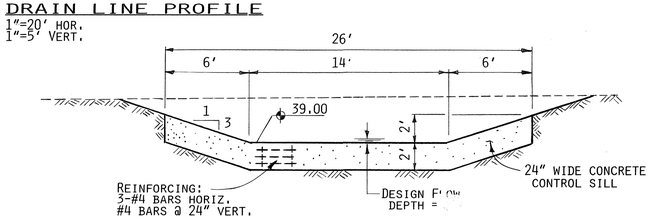
GRATE DETAIL

SCALE: 1 1/2"=1'-0"



EMERGENCY
SPILLWAY PROFILE

SCALE: 1"=10' HOR.
1"=5' VERT.



EMERGENCY SPILLWAY
CONCRETE CONTROL SILL

SCALE: 1"=5'

CONSTRUCTION NOTES

1. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND SHALL BE AIR ENTRAINED.
2. COMPACTION OF TRENCH BACKFILL WITHIN THE EXISTING DRAINAGE POND BERM SHALL BE AT LEAST 95% OF ASTM D 1557. OUTSIDE THE LIMITS OF POND BERM COMPACTION SHALL BE AT LEAST 90% ASTM D 1557.
3. COMPACTION OF EARTHFILL FOR FILLING THE EXISTING TEMPORARY EARTH SPILLWAY SHALL BE AT LEAST 95% ASTM D 1557.
4. REPAIR APPROXIMATELY 180' OF EMBANKMENT ERODED IN FLOOD OF JULY 1990. REMOVE LOOSE MATERIAL AND RESHAPE ERODED SLOPES. REBUILD TOP OF BERM TO MATCH EXISTING (APPROX 10' WIDTH, 3:1 SLOPES) AND TO TOP ELEVATION OF 5141. EARTHWORK SHALL COMPLY WITH SECTION 204, COA STANDARD SPECIFICATIONS AND COMPACTION SHALL COMPLY W/ NOTE 3 ABOVE.
5. RAISE EXISTING EMBANKMENT APPROXIMATELY 12" TO TOP ELEVATION 5141. COMPLY W/NOTE 3 ABOVE.
6. CUTOFF WALL TO BE POURED CONCRETE, MIN. 6" THICK, WITH MIN. 24" PROJECTION IN ALL DIRECTIONS FROM PIPE OD.

DRAINAGE NOTES

1. STORAGE VOLUME AT PROPOSED NEW SPILLWAY INVERT = 49,799 CU.FT.
2. V_{100} FOR POND DRAINAGE BASIN = 18,600 CU.FT.
3. Q_{100} FOR POND DRAINAGE BASIN = 25 CFS.
4. PIPE CAPACITY OF NEW 18" DRAIN LINE = 28.7 CFS
5. DESIGN DISCHARGE FOR NEW EMERGENCY SPILLWAY = 3.9 CFS
6. MAXIMUM SPILLWAY CAPACITY = 43 CFS.

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
3. ALL CONCRETE USED FOR EXPOSED SURFACE (CURB & GUTTER, SIDEWALK CULVERT, DRAINAGE CHANNEL, ETC.) SHALL MEET THE REQUIREMENTS OF SECTION 602 OF THE SPECIFICATIONS.
4. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN SECTION 19 OF THE SPECIFICATIONS, CONSTRUCTION TRAFFIC CONTROL.

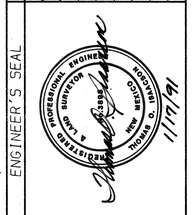
AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTION & ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
RECORDED BY
DATE

BENCH MARKS
ACS BM 7-K15A, "□" CHISELED ON TOP OF CURB @ SSW RETURN, INTERSECTION OF YALE & ST. CYR.
SE. ELEV = 5153.02

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	W. PETTIT	11/90

ENGINEER'S SEAL



MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN	TOT	11/90
		DESIGNED BY	TOT	11/90
		DRAWN BY	NV	11/90
		CHECKED BY	TOT	11/90

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 1-29-91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DRAINAGE POND MODIFICATIONS-ALBUQUERQUE SPORTS STADIUM**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		1-29-91	Water		1-29-91
Trans. Dev.		1-28-91	Waste Water	"	"
Hydrology		1-29-91			
Parks		1-22-91			

PROJECT NO. 4036.92 | MAP NO. L-15 | SHEET 1 OF 1

DRAINAGE POND MODIFICATIONS—ALBUQUERQUE SPORTS STADIUM

136243