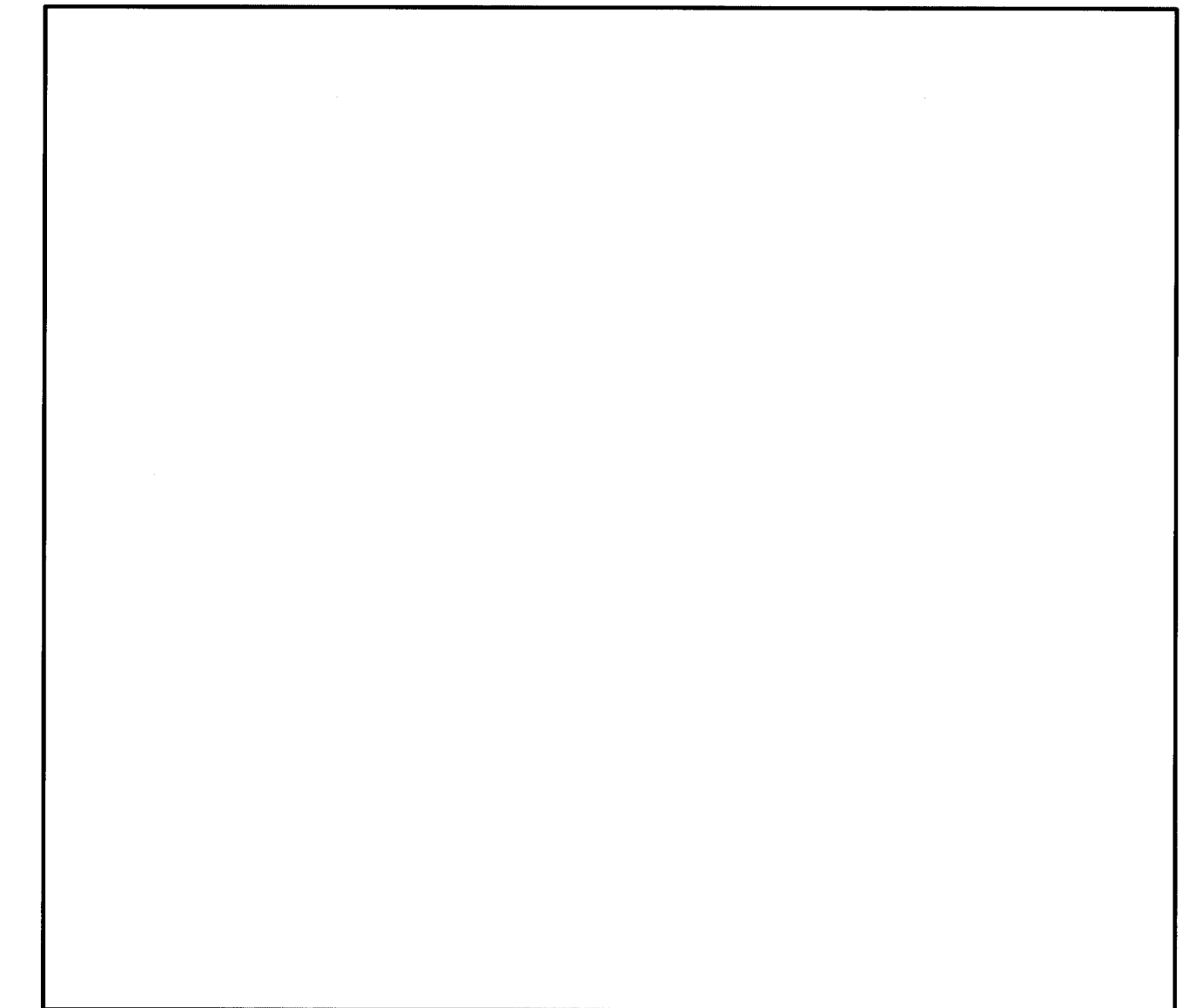




CITY OF ALBUQUERQUE, NEW MEXICO
AVIATION DEPARTMENT
PLANS FOR CONSTRUCTION OF
ALBUQUERQUE INTERNATIONAL AIRPORT
ACCESS ROAD "D"
CLARK CARR BLVD. TO UNIVERSITY BLVD.
APRIL 1991



VICINITY MAP
N.T.S.
MAP No. N-15

INDEX TO DRAWINGS

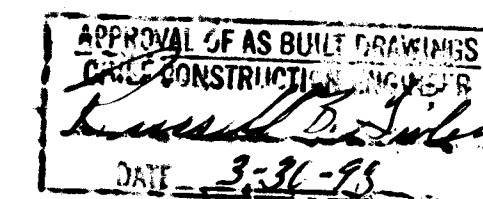
SHEET No.	TITLE	SHEET No.	TITLE
1	TITLE SHEET	17	STORM DRAIN PLAN & PROFILES, STA 21+00 TO 32+00
2A	PLAT	18	STORM DRAIN PLAN & PROFILES, STA 32+00 TO 43+15
2B	PLAT	19	SEWER & WATER-PLAN & PROFILE STA 10+00 TO 21+00
3	QUANTITY SHEET	20	SEWER & WATER-PLAN & PROFILE STA 21+00 TO 32+00
4	GENERAL NOTES	21	SEWER & WATER-PLAN & PROFILE STA 32+00 TO 43+15
5	LAYOUT & TYPICAL SECTIONS	22	SEWER & WATER-PLAN & PROFILE STA 43+15 TO 48+15.69
6	STREET PLAN & PROFILE STA 10+00 TO 21+00	23	STORM DRAINAGE DETAILS
7	STREET PLAN & PROFILE STA 21+00 TO 32+00	24	MISCELLANEOUS DETAILS
8	STREET PLAN & PROFILE STA 32+00 TO 43+15	25	FILL AREA REMOVAL PLAN
9	STREET PLAN & PROFILE STA 43+15 TO 48+15.69	26	FILL AREA GRADING PLAN
10	CLARK CARR BLVD. INTERSECTION	27	FILL AREA STORM SEWER PLAN & PROFILE
11	UNIVERSITY BLVD. INTERSECTION	28	LANDSCAPE PLAN STA. 10+00 TO STA. 32+00
12	LIGHTING, SIGNING, STRIPING & ELECTRICAL SERVICE PLAN	29	LANDSCAPE PLAN STA. 32+00 TO STA. 48+15.69
13	LIGHTING AND FENCING DETAILS	30	LANDSCAPING DETAILS
14	GRADING PLAN STA 10+00 TO 32+00	30A	IRRIGATION PLAN STA. 10+00 TO STA. 32+00
15	GRADING PLAN STA 32+00 TO 48+15.69	30B	IRRIGATION PLAN STA. 32+00 TO STA. 48+15.69
16	STORM DRAIN PLAN & PROFILES, STA 10+00 TO 21+00		

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN ARE IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATIONS OF UTILITIES AND OTHER IMPROVEMENTS.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF MOLZEN-CORBIN & ASSOCIATES, AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF MOLZEN-CORBIN & ASSOCIATES.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
26	4/83																											

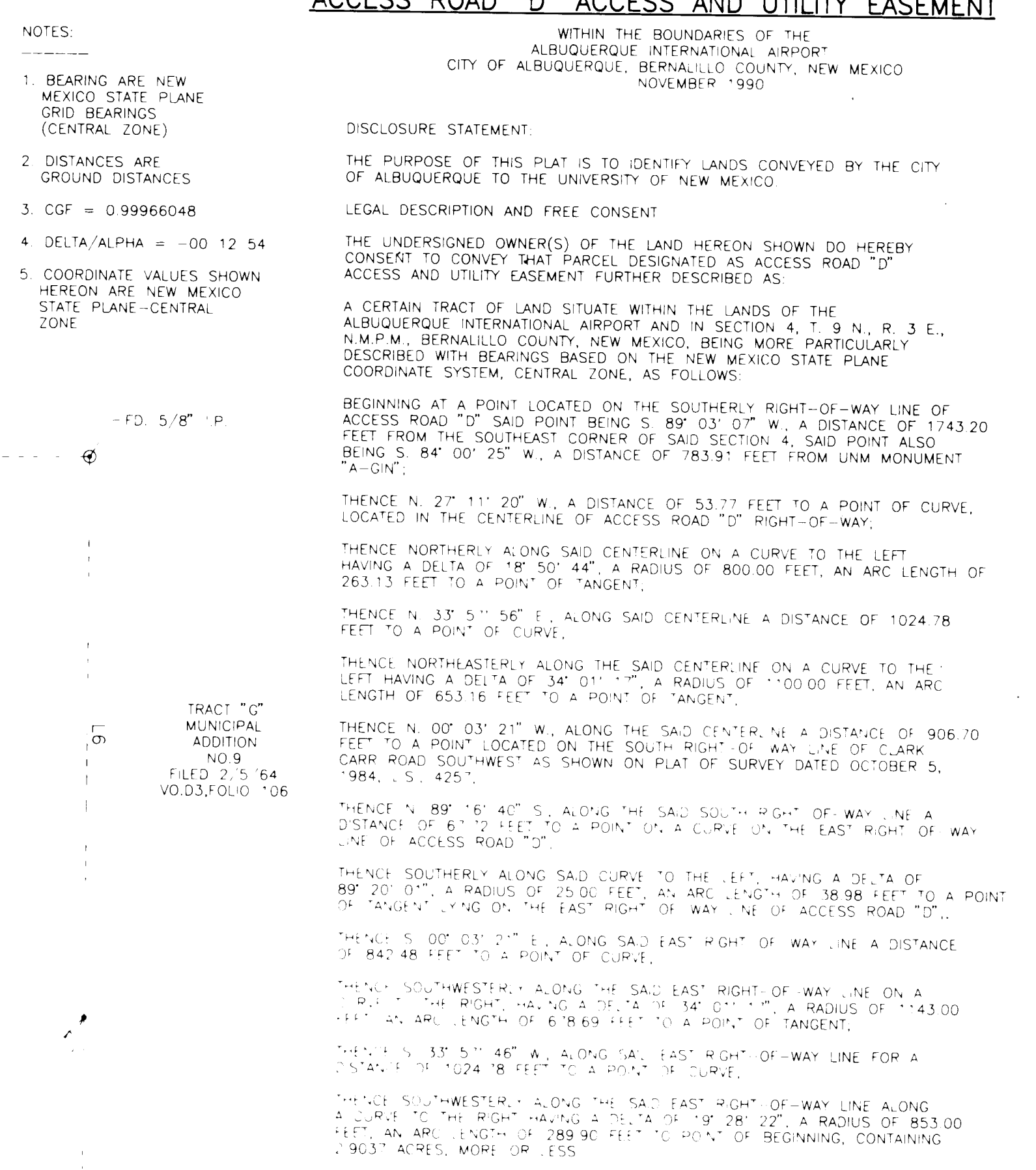


RECORD DRAWING		
DATE:	DRFT BY:	CHKD BY:
MOLZEN-CORBIN & Associates ENGINEERS, PLANNERS, CONSULTANTS Albuquerque, New Mexico • 505-261-1100		

REV	SHEETS	CITY	ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS										

SCANNED BY BY LASON	MOLZEN-CORBIN & Associates	APPROVED FOR CONSTRUCTION
	CITY ENGINEER	
	PROJECT NUMBER 4183	SHEET 1 OF 30

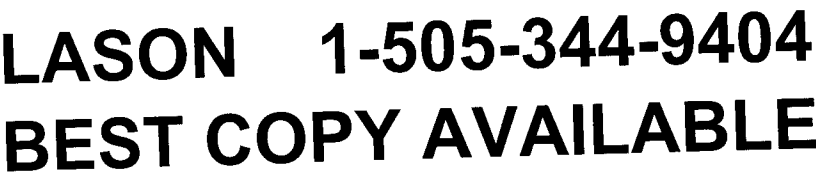
	DELTA	RADIUS	TAN LENGTH
RC	89°20'18"	25.00	24.71
01	34°01'17"	111.00	348.68
02	19°54'16"	300.00	57.64
03	52°20'48"	85.30	419.83
04	79°58'58"	25.00	20.80
05	100°00'00"	25.00	29.87
06	114°01'17"	747.00	540.93
07	02°34'17"	1057.00	65.05
08	1°15'33"17"	150.00	21.43
09	6°45'33"17"	150.00	21.43
10	34°01'17"	1057.00	323.37
11	90°39'59"	25.00	25.29
12	19°28'22"	85.30	146.36
13	8°50'44"17"	800.00	332.71
14	34°01'17"	1100.00	336.52



ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	REMARKS	BY	FIELD NOTES			
							
				NO. _____ BY _____ KRAMETZ & ASSOCIATES DATE _____		UNM BRASS CAP "A-OIN" ELEV. 5308.73 DATE _____	
						AS BUILT INFORMATION NO. _____ DATE _____ NAME _____ FIRM _____ DATE _____	
						MICRO-FILM INFORMATION NO. _____ DATE _____ NAME _____ FIRM _____ DATE _____	

RECORD DRAWING		
DATE <u>1/92</u>	DRAWN BY <u>JK</u>	CHECKED BY <u>mp</u>
MOIZEN-CORBIN ENGINEERS PLANNERS CONSULTANTS Albuquerque • New Mexico • Las Cruces		

 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
ABQ INT'L AIRPORT	ACCESS ROAD D PLAT	
APPROVALS	ENGINEER	DATE
CITY ENGINEER	WATER	WASTEWATER
TRANSDUCER	HYDROLOGIST	AVIATION
DRAWING NO. 4183	MAP NO. N-15	SHEET 2A OF 30



DRAWING NO	4183	MAP NO. N-15	SHEET 2B ^{OF} 30
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SUMMARY OF QUANTITIES

BID ITEM	ITEM ID	DESCRIPTION	UNIT	ESTIM. QUANT.	FINAL QUANT.
1.	0019.02	CONSTRUCTION TRAFFIC CONTROL, COMPLETE	LS	1	1
2.	0201.01	SITE CLEARING AND GRUBBING COMPLETE	LS	1	1
3.	0205.01	UNCLASSIFIED EXCAVATION	CY	76906	76906
4.	0301.02	SUB-BASE PREPERATION, 12"	SY	15668	15668
5.	P-401	PLANT MIX BITUMINOUS PAVEMENT	TON	5603	5603
6.	P-401	BITUMINOUS MATERIAL	TON	286	286
7.	0336.01	PRIME COAT	SY	0	0
8.	0336.12	TACK COAT	SY	29668	29668
9.	0340.03	VALLEY GUTTER AND CURB, PCC	SF	4885	4885
10.	0340.05	CURB AND GUTTER, STANDARD, PCC	LF	4456	4456
11.	0340.06	CURB AND GUTTER, MEDIAN, PCC	LF	3717	3717
12.	0340.30	4' MEDIAN PAVEMENT, PCC INCLUDING SUB-GRADE PREP.	SF	320	320
13.	0341.01	ASPHALT CONCRETE CURB, MACHINE EXTRUDED	LF	850	850
14.	0343.08	REMOVE AND DISPOSE, EXISTING CURB AND GUTTER, PCC	LF	1166	1166
15.	0420.10	2" ELECTRICAL CONDUIT	LF	4613	4613
16.	0420.20	ELECTRICAL PULL BOX, 13"x24"	EA	5	5
17.	0420.30	STREET LIGHT FOUNDATION	EA	28	28
18.		ELECTRICAL TRANSFORMER PAD	EA	1	1
19.		ELECTRICAL CONTROL BOX	EA	1	1
20.	0420.110	PANEL SIGN, ALUMINUM	SF	57	57
21.	0420.112	STREET POST AND BASE FOR PANEL SIGN	LF	110	110
22.	0420.115	PAINTED MARKINGS, REFLECTORIZED, 4"	LF	2257	2257
23.	0510.10	CUT-OFF WALL, PCC	CY	6	6
24.	0701.01	TRENCH, BACKFILL AND COMPACT 0' TO 8'	LF	0	0
25.	0701.02	TRENCH, BACKFILL AND COMPACT 8' TO 12'	LF	2745	2745
26.	0701.10	STORM DRAIN, TRENCH & BACKFILL 0' TO 8'	LF	2510	2510
27.	0701.11	STORM DRAIN, TRENCH & BACKFILL 8' TO 12'	LF	600	600
28.	0801.03	8" PVC, C-900, CLASS 150 PIPE	LF	776	776
29.	0801.59	NON-PRESSURE CONNECTION, WL W/PIPE REQUIRED, CIP	LF	1	1
30.	0801.65	C.I. OR D.I., CLASS 250 MJ FITTINGS	LB	833	833
31.	0801.82	8" GATE VALVE W/BOX AND LID, CIP	EA	2	2
32.	0901.03	8" PVC, SDR-35 SAS PIPE	LF	2745	2745
33.	0901.61	WET CONNECTION OF NEW 8" SAS TO EXISTING MANHOLE	EA	2	2
34.	0901.80	SAS TV-VIDEO, POST CONSTRUCTION	HR	7	7
35.	0910.05	18" RCP, CLASS III	LF	739	739
36.	0910.09	24" RCP, CLASS III	LF	1596	1596
37.	0910.13	30" RCP, CLASS III	LF	0	0
38.	0910.19	42" RCP, CLASS III	LF	497	497
39.	0910.21	48" RCP, CLASS III	LF	60	60
40.	0915.01	CATCH BASIN, TYPE A, SINGLE GRATE, CIP	EA	10	10
41.	0915.02	CATCH BASIN, TYPE AA DOUBLE GRATE, CIP	EA	5	6
42.	0915.06	CATCH BASIN, TYPE D DOUBLE GRATE, CIP	EA	0	0
43.	0920.01	MANHOLE, 4' DIA., TYPE C, 0' TO 6'	EA	1	1
44.	0920.07	MANHOLE, 4' DIA., TYPE C OR E, 6' TO 10'	EA	12	12
45.		SPECIAL TRENCH CATCH BASIN, CIP	EA	1	1
46.	0920.55	MANHOLE STEPS	EA	113	113
47.	0920.13	MANHOLE, 6' DIA., TYPE C, 0' TO 6'	EA	6	6
48.	0920.14	MANHOLE, 6' DIA., TYPE C OR E, 6" TO 10'	EA	0	0
49.	0920.15	MANHOLE, 6' DIA., TYPE C OR E, 10' TO 14'	EA	0	0
50.		PCC DITCH CHECKS, CIP	EA	91	91
51.		HEAVY, NYLON MONOFILAMENT EROSION CONTROL FABRIC	SF	19890	19890
52.		IRRIGATION ELECTRICAL SERVICE, CIP	LS	1	1
53.	1011.01	SEEDING, CLASS A, NATIVE	SY	43560	43560
54.		SOD, SOIL AMENDMENTS	SY	5850	5850
55.		2.5" CAL. LONDON PLANE TREE	EA	44	44
56.		7' HT. JAPANESE BLACK PINE	EA	36	36
57.		2" CAL. BRADFORD PEAR	EA	32	32
58.		2" CAL. CRABAPPLE	EA	17	17
59.		3' HT. FORSYTHIA	EA	3	3
60.		3' HT. FLOWERING QUINCE	EA	32	32
61.		IRRIGATION SYSTEM, CIP	LS	1	1
62.	F-161	5 STRAND BARBED WIRE FENCE	LF	5264	5264

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

DESCRIPTION	STATION	OFFSET
STORM DRAIN INLET	10+33 +/-	-25.00' +/-
STORM DRAIN INLET	10+52 +/-	-11.00' +/-
36" RCP	10+25 - 10+50 +/-	-10.00' +/-
18" RCP	10+25 - 10+31 +/-	-10.00'-22.00' +/-
DRAINAGE STRUCTURE	48+00 +/-	-60.00' +/-
GUARD RAIL	48+12 +/-	80.00'R TO 200.00'L
DITCH CHECKS, PCC	10+47 +/-	240'R TO 95'L
C & G, INCLUDES PAVEMENT REMOVAL	10+35 +/- 48+15 +/-	255'R TO 87'L 160'R TO 260'L

NOTES:

1. ALL ITEMS LISTED ABOVE ARE TO BE CONSTRUCTED AND PAID FOR AS PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH THE EXCEPTION OF THE ITEMS LISTED BELOW.
- A) ASPHALT CONCRETE BASE COURSE, SEE SPECIFICATIONS FOR DETAILS.
- B) ASPHALT CONCRETE SURFACE COURSE, SEE SPECIFICATIONS FOR DETAILS.
- C) 5 STRAND BARBED WIRE SECURITY FENCE.
- D) RECLAMATION SEEDING.
- E) SOD, SOILS AMENDMENTS.
- F) TREES.
- PER ADD. #1 G) IRRIGATION SYSTEM. (SHALL BE PAID FOR AS LUMP SUM ITEM.)
- H) MOBILIZATION. (SEE SPECIFICATIONS FOR DETAILS.)

2. ALL MATERIALS OR LABOR REQUIRED TO COMPLETE THIS PROJECT BUT NOT LISTED IN THE BID PROPOSAL SHALL BE CONSIDERED INCIDENTAL ITEMS FOR WHICH THERE WILL BE NO ADDITIONAL PAYMENT. IN ANY CASE, THE BID PROPOSAL SHALL BE USED FOR DETERMINING ITEM UNITS AND COSTS FOR BIDDING AND PAYMENT PURPOSES.
3. ALL COSTS FOR BLOCKING REQUIRED FOR WATERLINE JOINTS AND VALVES SHALL BE INCLUDED IN THE UNIT BID PRICES FOR FITTINGS AND VALVES.
4. PAYMENT FOR NON-PRESSURIZED CONNECTIONS SHALL INCLUDE ALL PIPE REQUIRED TO CONNECT THE NEW WATERLINE WITH THE EXISTING WATERLINE, AS SHOWN. PAYMENTS FOR FITTINGS SHALL BE MADE UNDER THE BID ITEM FOR C.I. OR D.I. MJ FITTINGS.

RECORD DRAWING		
DATE: _____	DRFT BY: _____	CHKD BY: _____
MOLZEN-CORBIN & Associates ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ACCESS ROAD D
QUANTITY SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					
DRAWING NO.	4183	MAP NO. N-15	SHEET 3	OF 30	

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 (COA STND), AS REVISED.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC., 260-1990, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN, ARE IN AN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.
5. ALL WATER VALVE BOXES AND SEWER MANHOLES WITHIN THE NEW PAVEMENT ARE TO BE ADJUSTED TO FINISH GRADE PER COA STND. DETAILS.
6. THE CONTRACTOR SHALL COORDINATE THE WATER VALVE SHUT-OFF OPERATION WITH THE WATER SYSTEMS DIVISION (857-8200) NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. WATER SERVICE SHALL BE MAINTAINED TO ALL CUSTOMERS AT ALL TIMES DURING CONSTRUCTION. SEE SECTION 18, GENERAL CONDITIONS, OF THE STANDARD SPECIFICATIONS.
7. CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO THE CITY OF ALBUQUERQUE, CONSTRUCTION COORDINATOR AND RECEIVE A BARRICADING PERMIT PRIOR TO BARRICADING OR CLOSING A CITY STREET. ALL CONSTRUCTION SIGNING AND BARRICADING SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1978 EDITION. CONTRACTOR SHALL ADHERE TO SECTION 19, GENERAL CONDITIONS, OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS REVISED, FOR THE TRAFFIC CONTROL PLAN COORDINATE W/TRANSPORTATION @ 768-2551.
8. EXISTING CURB AND GUTTER AND ASPHALT PAVEMENT NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
9. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
10. ALL FITTINGS ON WATERLINES SHALL HAVE CONCRETE BLOCKING IN ACCORDANCE WITH CITY STD. DWG. 2320, EXCEPT WHERE SPECIFICALLY INDICATED TO HAVE LOCKED MECHANICAL JOINTS.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.
12. SEE COA STANDARD DETAIL 2465 FOR PAVEMENT CUTS AND REPLACEMENT.
13. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
14. A DISPOSAL SITE APPROVED BY THE PROJECT ENGINEER, FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE PAVING, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO "THE CONTRACT" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
15. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY.
16. WHERE REMOVAL OF EXISTING CURBS AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
17. ALL DIMENSIONS AND RADII OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
18. ALL STATIONING IS BASED ON CONSTRUCTION CENTERLINE DATA.
19. EXISTING WATER VALVE BOXES AND MANHOLE COVERS ENCOUNTERED WITHIN THE AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO GRADE AS PER CITY OF ALBUQUERQUE STD. DWG. 2325 AND 2326. ALL PRIVATELY OWNED VALVE-UTILITY BOXES SHALL BE ADJUSTED BY THE UTILITY OWNER. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE RESPECTIVE UTILITY OWNERS. CONTRACTOR SHALL NOTIFY UTILITY OWNERS AT LEAST ONE WEEK PRIOR TO NEEDING VALVES BOXES ADJUSTED TO GRADE.
20. THE COST OF HAULING EARTHWORK ON THIS PROJECT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR UNCLASSIFIED EXCAVATION AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR. UNCLASSIFIED EXCAVATION SHALL BE PLACED AS SHOWN & DESCRIBED ON SHEET 26 OF THESE DRAWINGS.
21. WHEN ABUTTING NEW PAVEMENT, CUT EXISTING PAVEMENT TO A NEAT STRAIGHT LINE TO MATCH NEW SURFACING DEPTH. PAVEMENT CUT SHALL BE MADE AT A LOCATION SUITABLE FOR REMOVING BROKEN & CRACKED PAVEMENT. NO PAYMENT WILL BE MADE FOR CUTTING EXISTING PAVEMENT, AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
22. WHEN EXISTING LANDSCAPING IS DISTURBED OR DAMAGED, IT SHALL BE RESTORED TO EXISTING CONDITION INCLUDING PLANTING REPLACEMENT SOD, TREES, SHRUBS AND FLOWERS, AND REPAIR OF EXISTING IRRIGATION SYSTEM.
23. CONSTRUCTION OF THE AIR CARGO FACILITY WILL BE ON-GOING DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE AIR CARGO CENTER CONTRACTOR FOR THE PURPOSE OF MATCHING PAVEMENT AND CURB & GUTTER AT THE PARKING LOT AND CARGO CENTER ENTRANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE AIR CARGO CENTER CONTRACTOR TO ELIMINATE CONSTRUCTION CONFLICTS BETWEEN THE PROJECTS.

LEGEND

DESCRIPTION	NEW	EXISTING
SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
STORM DRAIN LINE		
STORM DRAIN MANHOLE		
STORM DRAIN INLETS		
WATER LINE		
GATE VALVE		
FIRE HYDRANTS		
REDUCERS		
WATER SERVICE CONNECTION		
TEES		
CROSSES		
BENDS		
CAPS & PLUGS		
GAS LINES		
UNDERGROND TELEPHONE		
POWER OR TELEVISION POLE		
CABLE TELEVISION		
UNDERGROUND ELECTRIC		
CENTER LINES		
EXISTING GROUND		

RECORD DRAWING

DATE: DRFT BY: CHKD BY:

MOLZEN-CORBIN & Associates

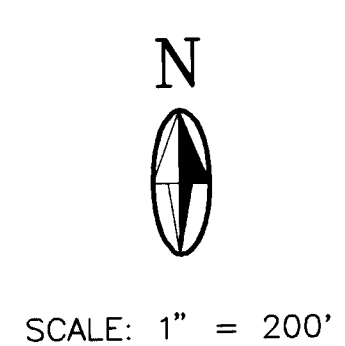
ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ACCESS ROAD D
GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					
DRAWING NO.	4183	MAP NO. N-15	SHEET 4	OF 30	



106' EASEMENT

VARIES

19'-4 1/2"

2'-7 1/2"

2 - 11' DRIVING LANES

7'-4"

37'-7 1/2"

FUTURE SOUTHBOUND DRIVING LANES

VARIES

1'-4 1/2"

14'-0"

4'-0"

1'-4 1/2"

CONCRETE DITCH CHECK 15' C.C.

STD. C.&G. PROFILE GRADE

MOUNTABLE MEDIAN C.&G.

CENTERLINE PROFILE GRADE

3:1

2%

2%

2%

3:1

LOOSE SAND AND SMALL GRAVEL

86' EASEMENT

2' - 7 1/2"

2' - 4"

11' DRIVING LANES

4' - 0"

4' - 0"

43' - 0"

FUTURE SOUTHBOUND DRIVING LANES

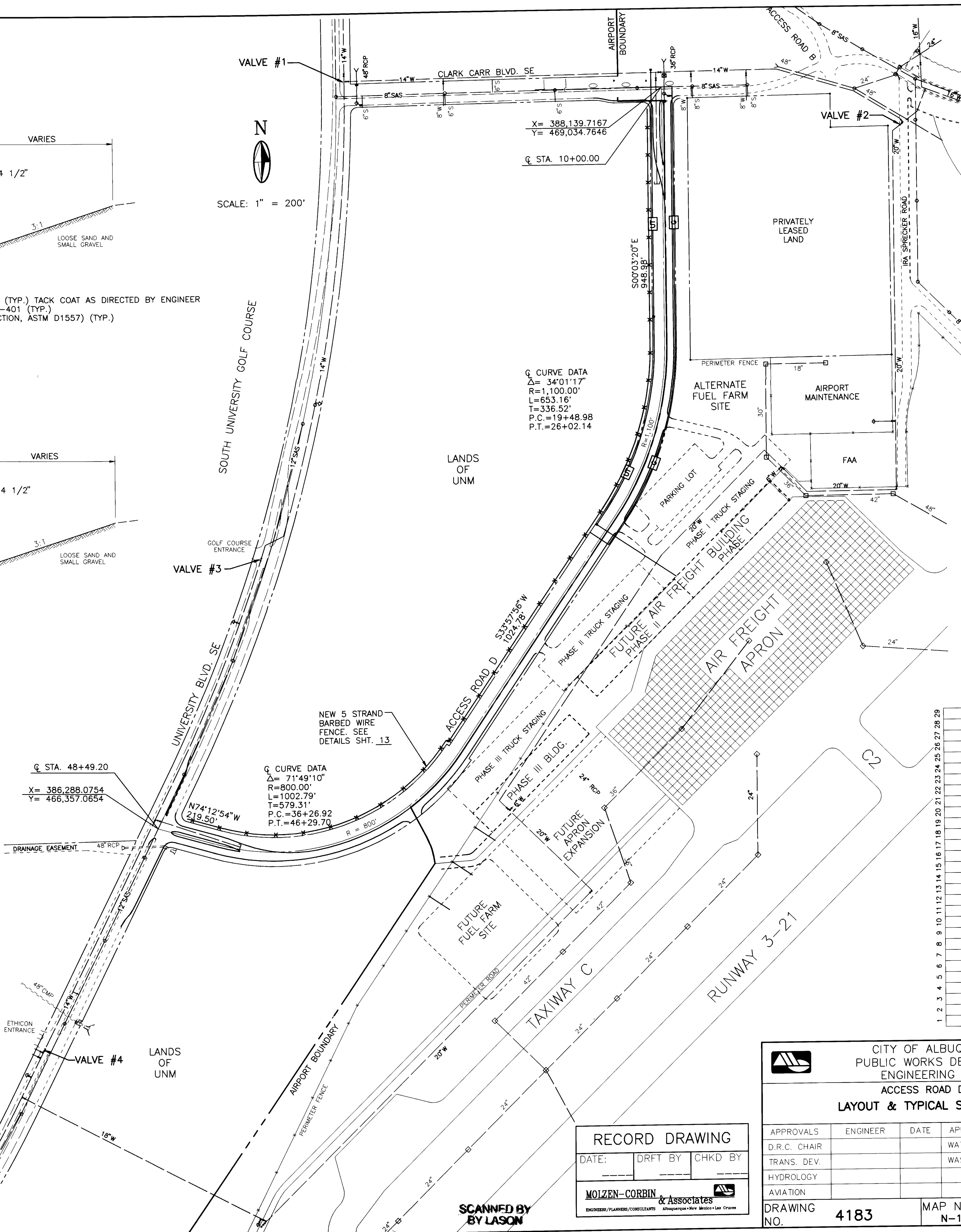
STD. C.&G. PROFILE GRADE

MOUNTABLE MEDIAN C.&G.

CENTERLINE PROFILE GRADE

[illegible]

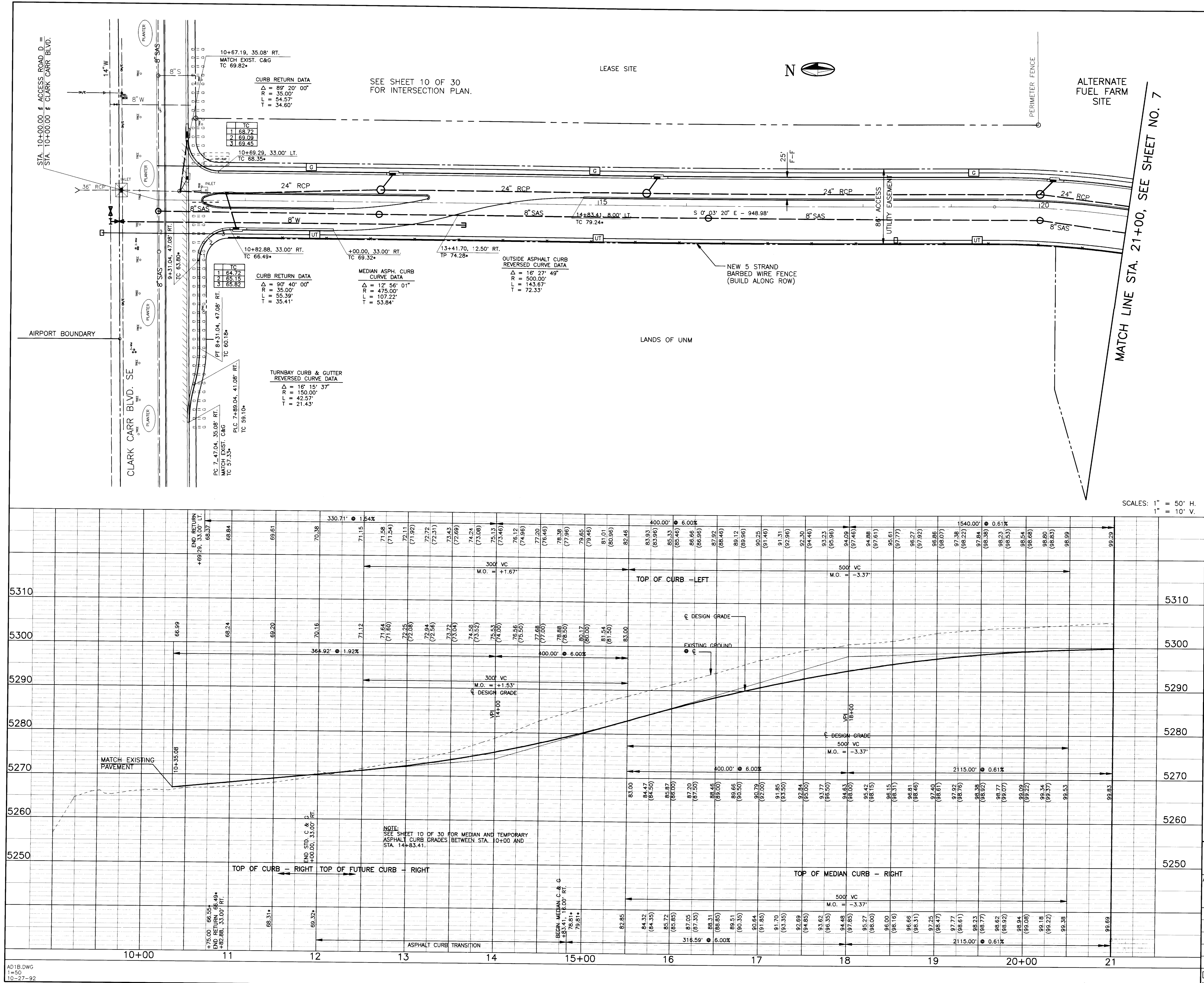
TYPICAL ROADWAY SECTIONS
1" = 10'

[illegible]

NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY		JMP	DATE 1-91
DRAWN BY		STAFF	DATE 1-91

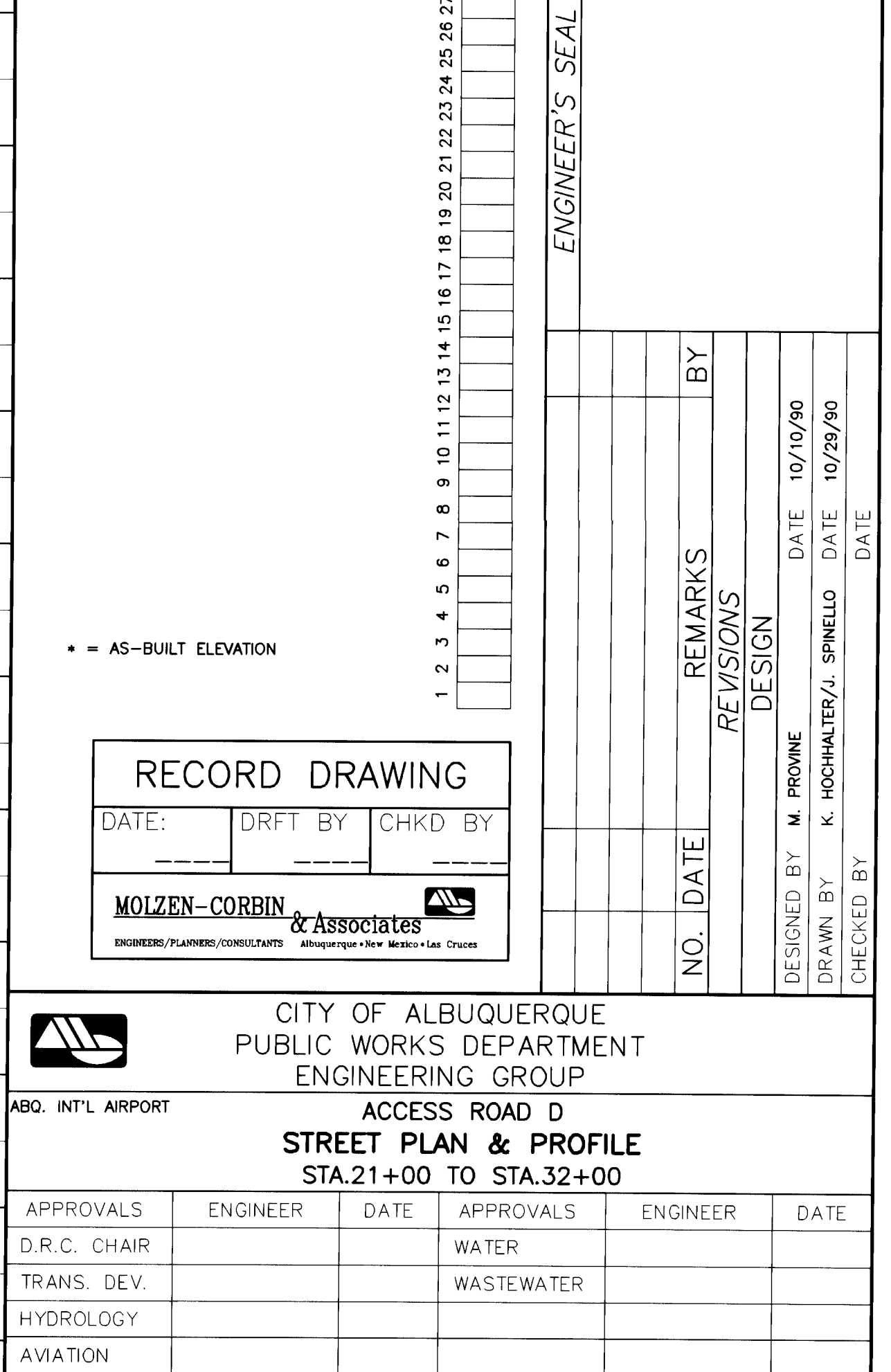
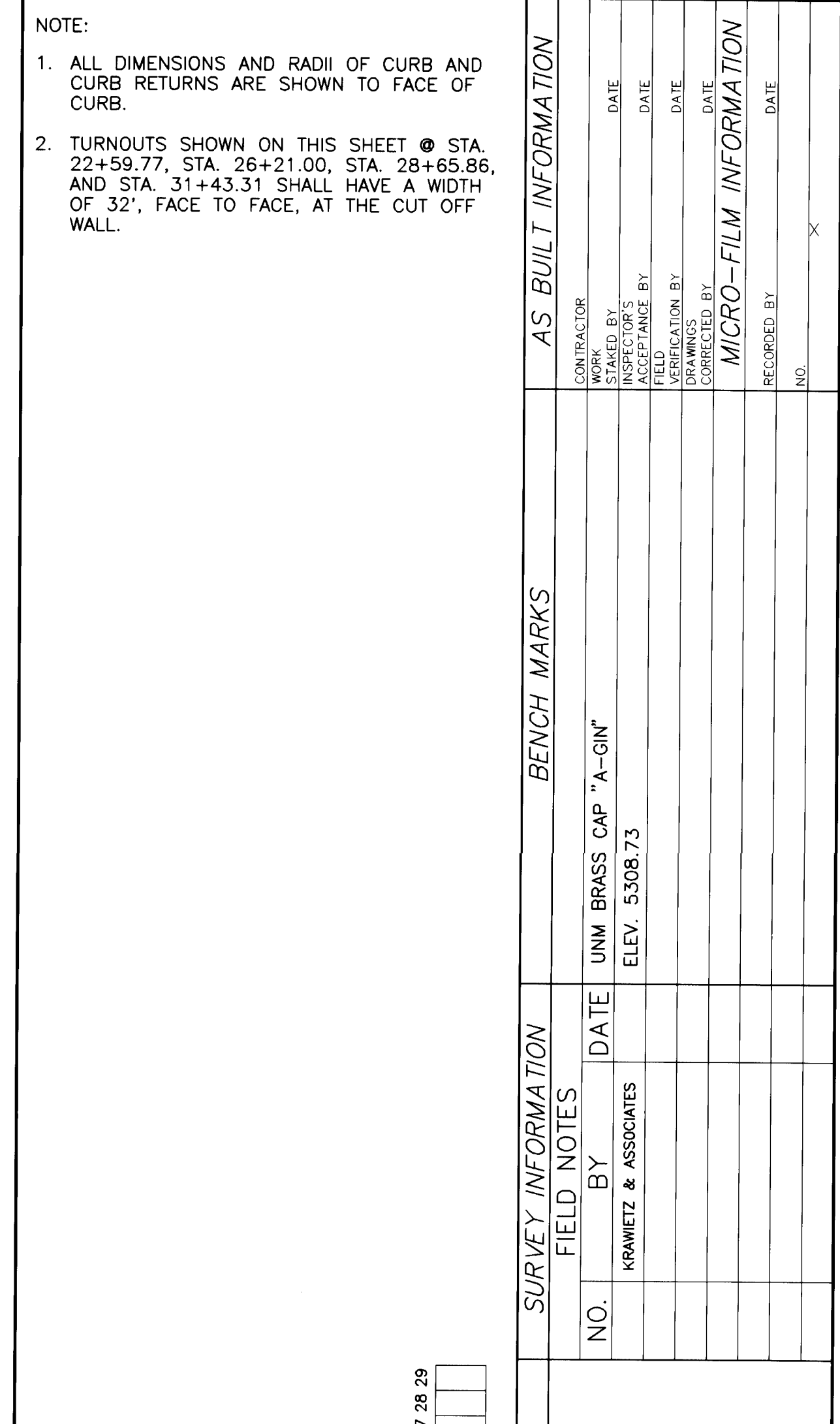
					CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP ACCESS ROAD D LAYOUT & TYPICAL SECTIONS						
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE	
D.R.C. CHAIR						WATER					
TRANS. DEV.						WASTEWATER					
HYDROLOGY											
AVIATION											
DRAWING NO.		4183		MAP NO. N-15		SHEET 5		OF 30			

LAYOUT.DWG
1=200
10-26-92

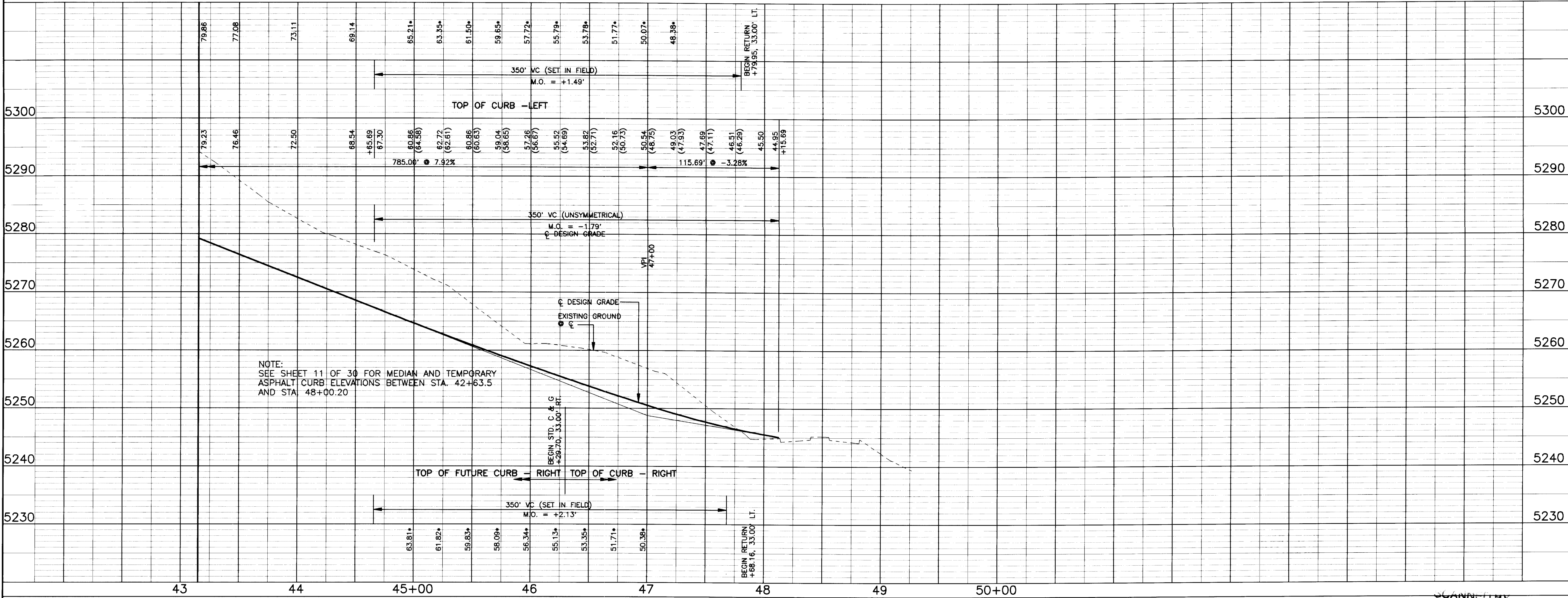


- NOTE:
- ALL DIMENSIONS AND RADII OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
 - SEE SHT. 3 FOR REMOVAL OF EXISTING STRUCTURES.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	UNM BRASS CAP "A-GIN"	DATE	NO.	DATE	BY	NO.	DATE	BY	REVISIONS		
INSPECTOR'S	ELEV. 5308.73	DATE			KRAWIEZ & ASSOCIATES						
FIELD		DATE									
VERIFICATION BY		DATE									
DATE		DATE							DESIGN		
CORRECTED BY		DATE									
DATE		DATE									
RECORDED BY		DATE									
NO.		DATE							NO.	DATE	BY
									DESIGNED BY	M. PROVINE	DATE 10/19/90
									DRAWN BY	K. HOCHHAUSER/SPINELLO	DATE 10/25/90
									CHECKED BY		DATE



DRAWING NO.	4183	MAP NO. N-15	SHEET 7 OF 30
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MATCH LINE STA. 43+15. SEE SHEET NO. 8

SEE SHEET 11 OF 30 FOR INTERSECTION PLAN.

REMOVE EXISTING INLET STRUCTURE

NEW 5 STRAND BARBED WIRE FENCE (BUILD ALONG EASEMENT)

UNIVERSITY BLVD. SE

DRAINAGE EASEMENT



SCALES: 1" = 50' H.
1" = 10' V.

NOTE:
1. SEE SHT. 3 FOR REMOVAL OF STRUCTURES.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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* = AS-BUILT ELEVATION

RECORD DRAWING

DATE: DRFT BY CHKD BY

MOLZEN-CORBIN & Associates

ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces

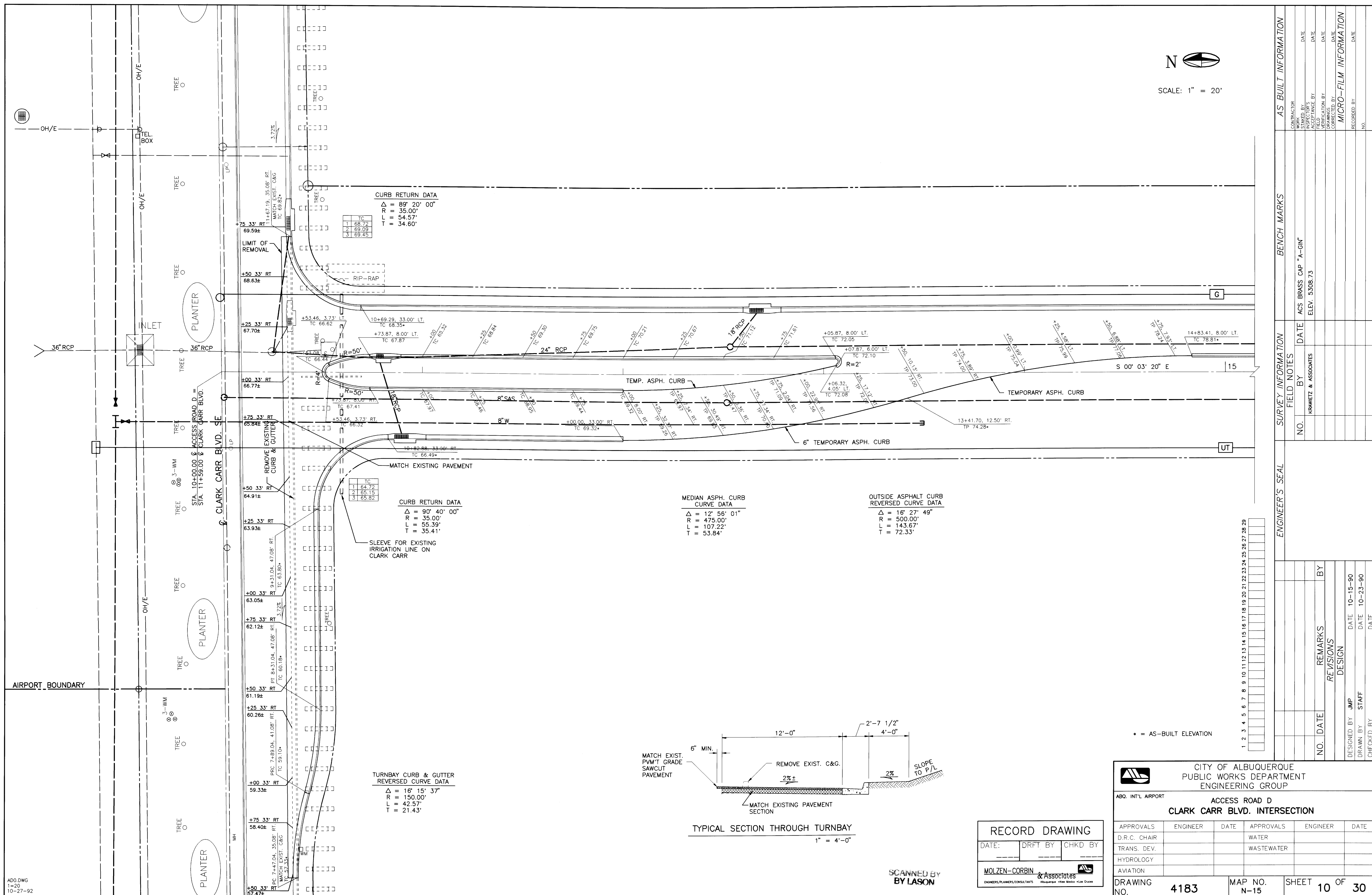
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ABQ. INT'L AIRPORT
ACCESS ROAD D
STREET PLAN & PROFILE
STA.43+15 TO STA.48.15.69

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					

DRAWING NO. 4183 MAP NO. N-15 SHEET 9 OF 30

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES						
NO.	BY	DATE	UNM BRASS CAP "A-GIN"		CONTRACTOR	
	KRAMETZ & ASSOCIATES		ELEV. 5308.73		WORKED BY	DATE
					INSPECTOR'S	DATE
					ACCEPTANCE BY	DATE
					VERIFICATION BY	DATE
					DRAWN BY	DATE
					CHECKED BY	DATE
					MICRO-FILM INFORMATION	
					RECORDED BY	DATE
					NO.	



Δ = 71' 49' 10" PC = 36+26.92
R = 800.00' PT = 46+29.70
L = 1,002.79'
T = 579.31'

OUTSIDE ASPHALT CURB
REVERSED CURVE DATA

Δ₁ = 34' 02' 37"
R₁ = 500.00'
L₁ = 292.09'
T₁ = 153.07'

MEDIAN ASPHALT CURB
CURVE DATA

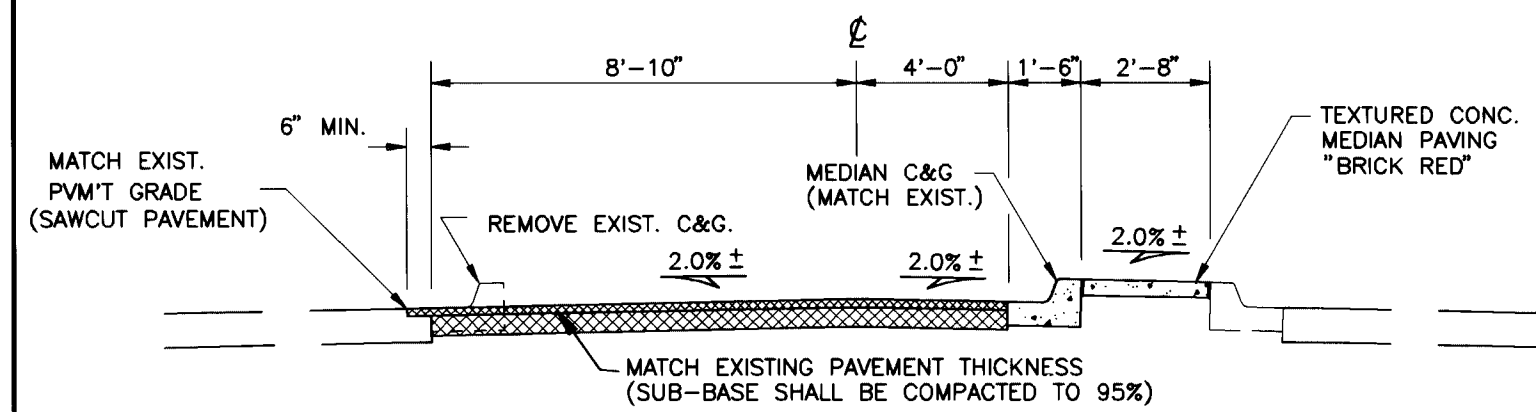
Δ = 10' 16' 09"
R = 475.00'
L = 85.13'
T = 42.68'

OUTSIDE ASPHALT CURB
REVERSED CURVE DATA

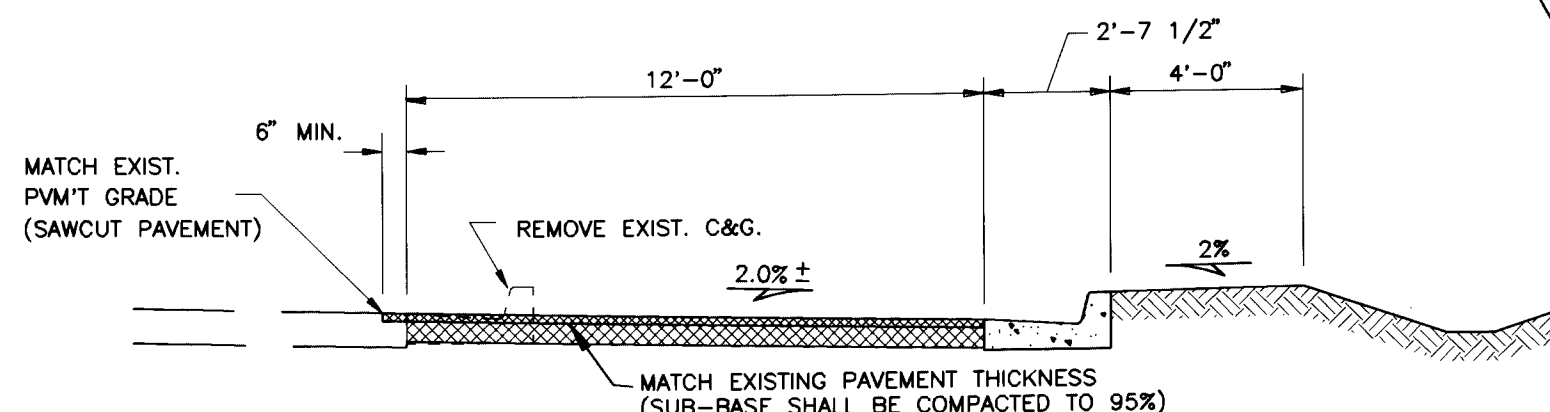
Δ₂ = 7' 49' 18"
R₂ = 500.00'
L₂ = 68.26'
T₂ = 34.18'

MATCHLINE STA. 45+25.00 - THIS SHEET

SCALE: 1" = 20'



TYPICAL SECTION THROUGH MEDIAN TURNBAY
1" = 4'-0"



TYPICAL SECTION THROUGH TURNBAY
1" = 4'-0"

3-CENTERED CURVE
CURB RETURN DATA
CURVE No.1
Δ = 19' 59' 59.6" Δ = 59' 59' 58"
R = 150.00' R = 50.00'
L = 52.36' L = 52.36'
T = 26.45' T = 28.87'

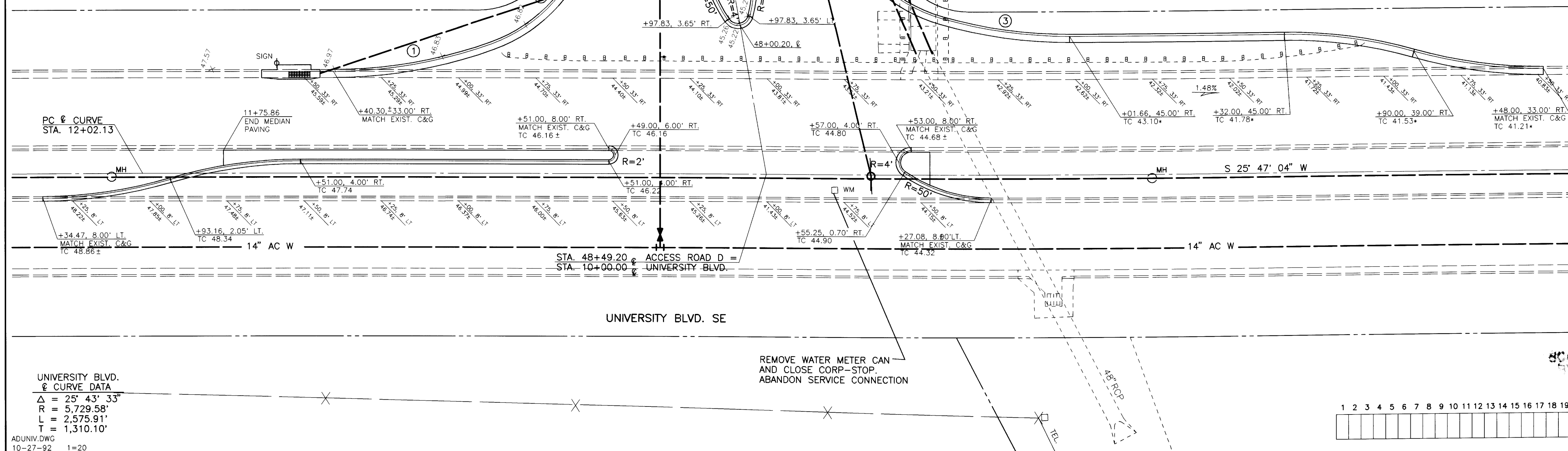
MEDIAN CURB & GUTTER
REVERSED CURVE DATA

Δ = 16' 15' 37"
R = 150.00'
L = 42.57'
T = 21.43'

3-CENTERED CURVE
CURB RETURN DATA
CURVE No.3
Δ = 16' 00' 00" Δ = 48' 00' 01"
R = 150.00' R = 50.00'
L = 41.89' L = 41.89'
T = 21.08' T = 22.26'

TURNBAY CURB & GUTTER
REVERSED CURVE DATA

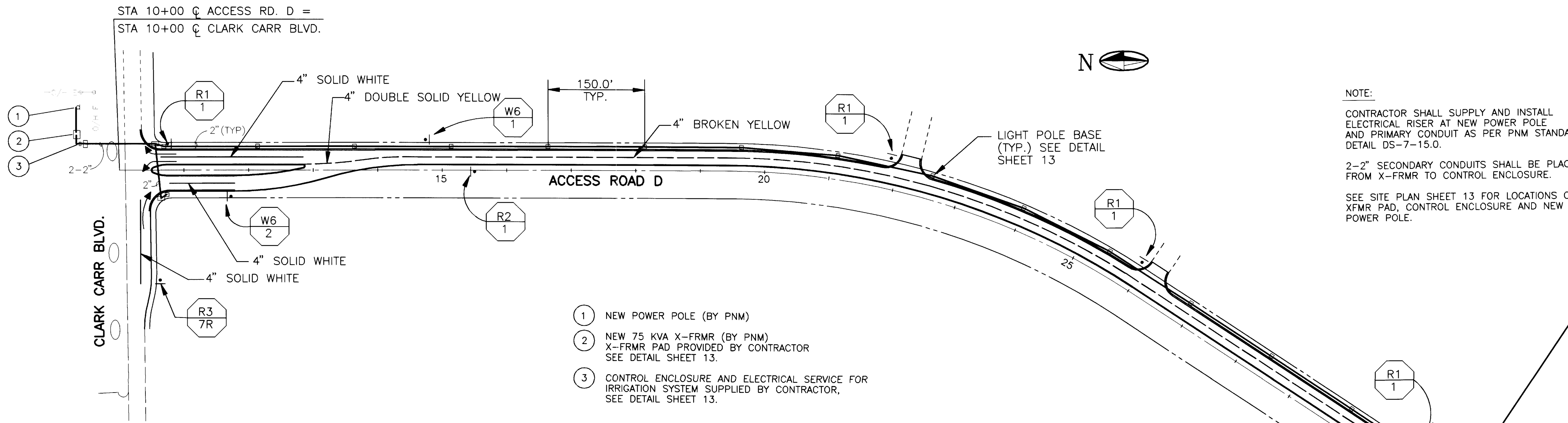
Δ = 16' 15' 37"
R = 150.00'
L = 42.57'
T = 21.43'



* = AS-BUILT ELEVATION

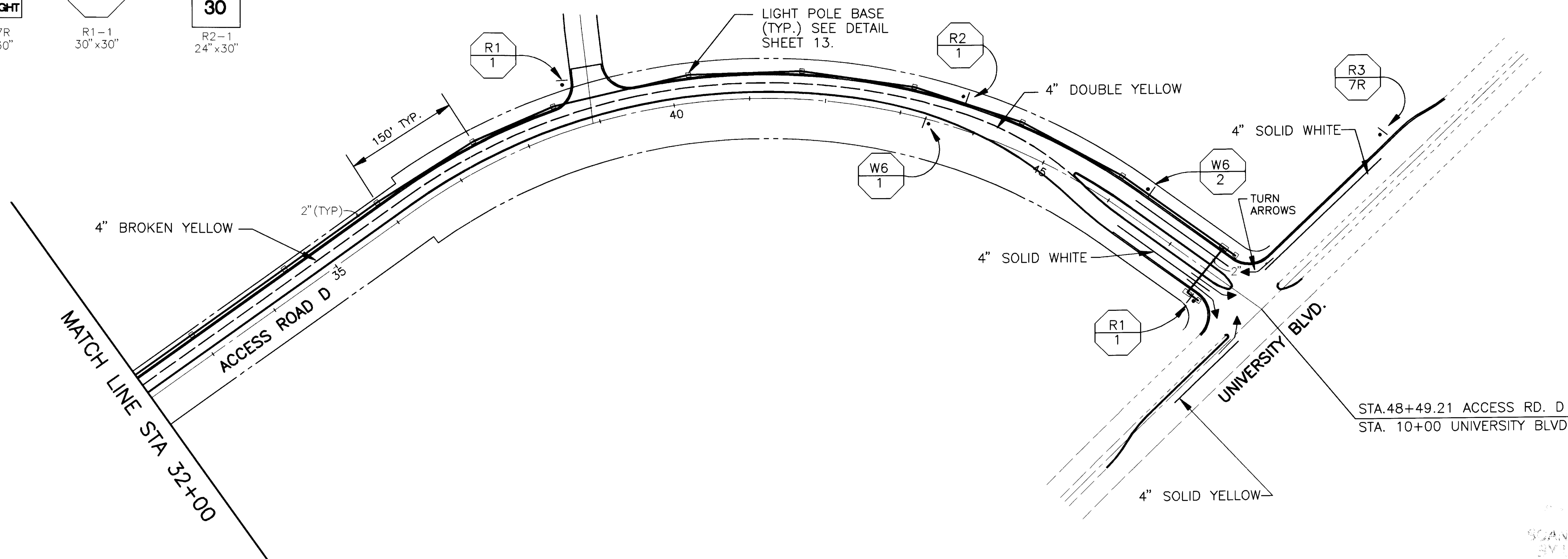
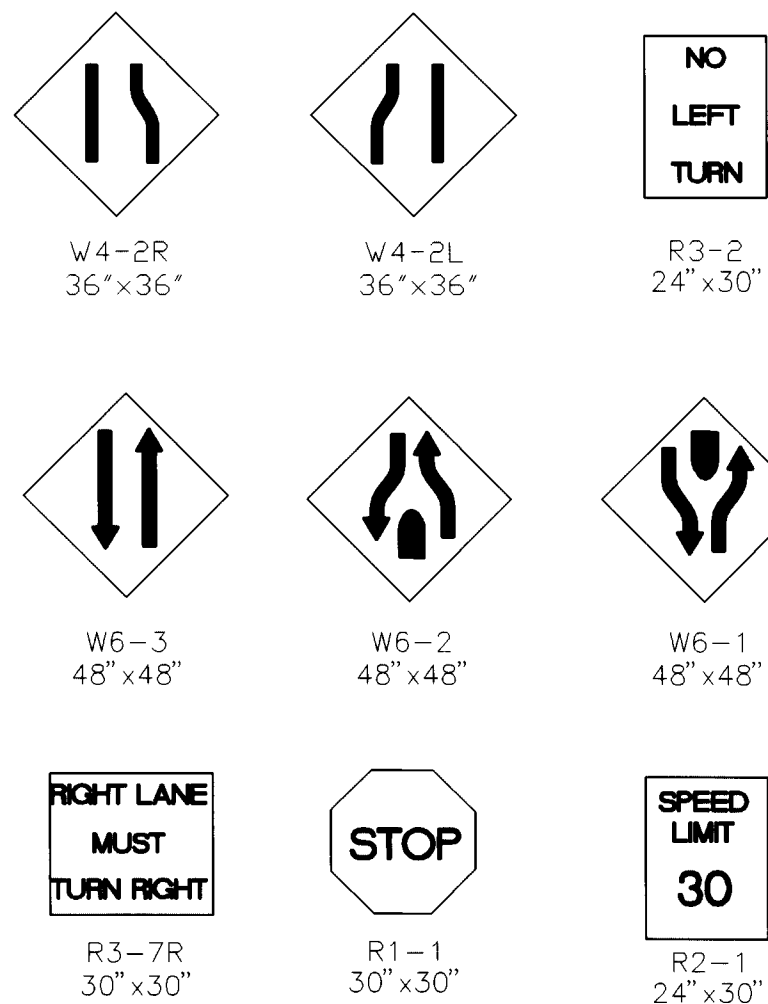
RECORD DRAWING
DATE: DRFT BY: CHKD BY:
MOLZEN-CORBIN & Associates
ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces

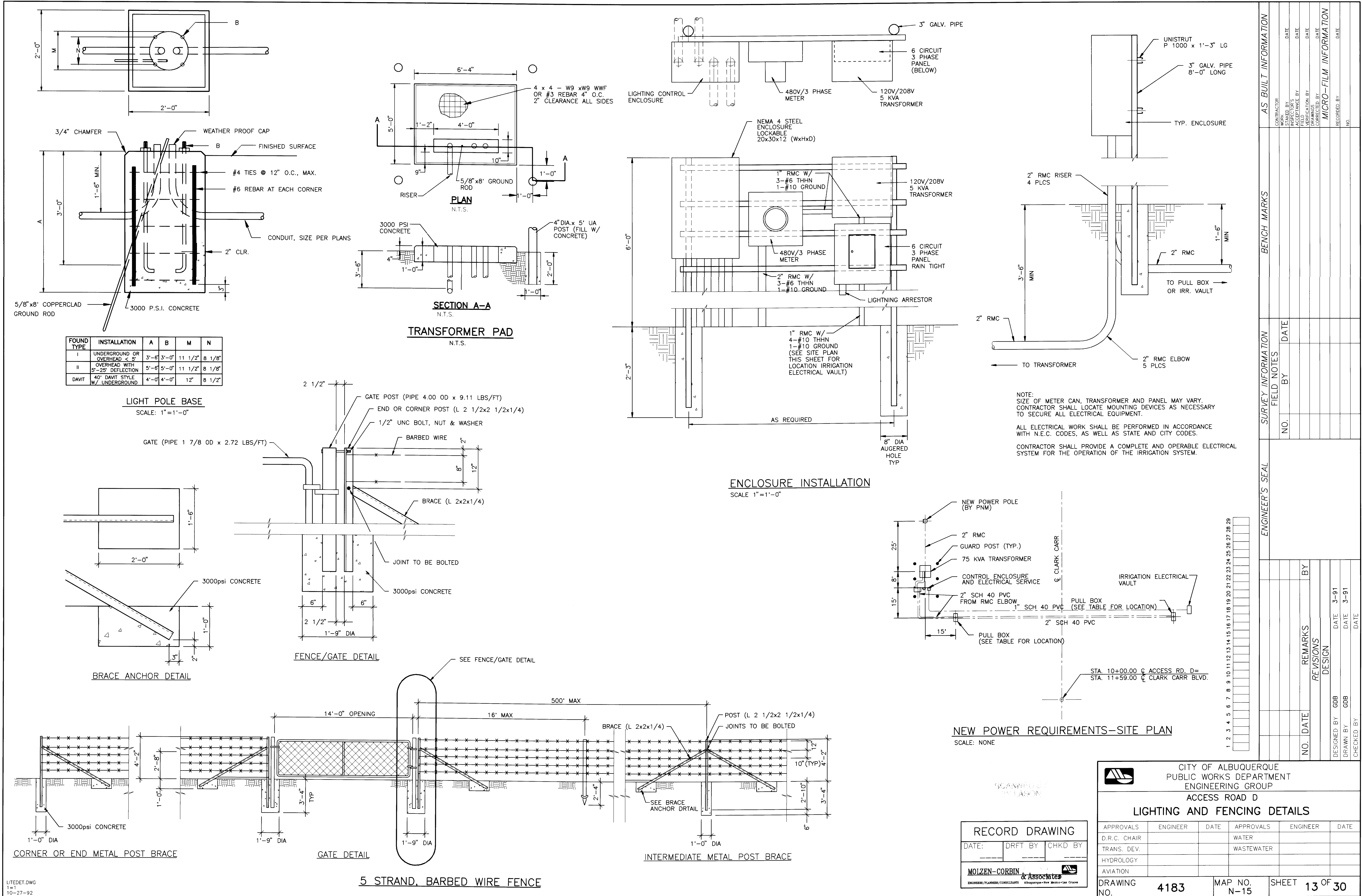
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
ABQ. INT'L AIRPORT ACCESS ROAD D UNIVERSITY BLVD. INTERSECTION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					
DRAWING NO.	4183	MAP NO.	N-15	SHEET	11 OF 30



SIGNING AND STRIPING PLAN STA 10+00 TO 32+00

SCALE 1"=100'





AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	NO.	DATE	BY
STATED BY	DATE	NO.	BY	DATE	NO.	DATE	BY
ACCEPTANCE BY	DATE	NO.	BY	DATE	NO.	DATE	BY
FIELD APPLICATION BY	DATE	NO.	BY	DATE	NO.	DATE	BY
DRAWINGS	DATE	NO.	BY	DATE	NO.	DATE	BY
CORRECTED BY	DATE	NO.	BY	DATE	NO.	DATE	BY
MICRO-FILM INFORMATION	DATE	NO.	BY	DATE	NO.	DATE	BY
RECORDED BY	DATE	NO.	BY	DATE	NO.	DATE	BY



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
ACCESS ROAD D
LIGHTING AND FENCING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					

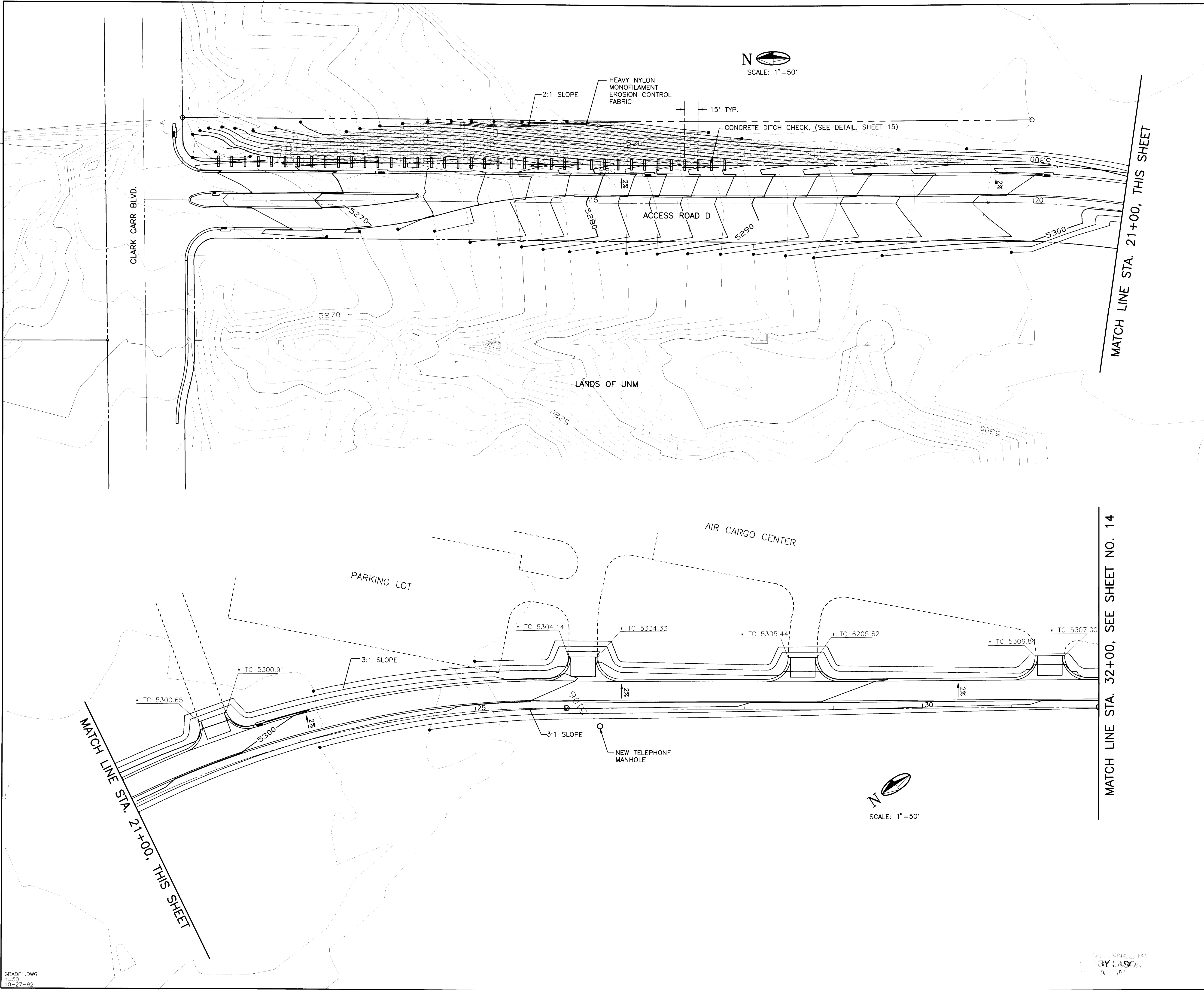
RECORD DRAWING
DATE: DRFT BY: CHKD BY:

MOIZEN-CORBIN & Associates
ENGINEERS/PLANNERS/CONSULTANTS

DRAWING NO. 4183

MAP NO. N-15

SHEET 13 OF 30



NOTE:

1. NYLON EROSION CONTROL FABRIC SHALL BE PLACED ON ALL 2:1 SLOPES. 2:1 SLOPES SHALL ALSO RECEIVE SEEDING.
2. DITCH CHECKS SHALL BE PLACED WITH THE CENTER OF THE STRUCTURE PLACED AT THE FLOW LINE OF THE DITCH.
3. LOCATION AND NUMBER OF DITCH CHECKS SHALL BE DETERMINED BY ENGINEER IN THE FIELD.
4. SEE SHEETS 16, 17 AND 18 FOR STORM DRAINAGE PLAN AND PROFILES.

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	UNM BRASS CAP "A-GN"	CONTRACTOR	DATE
	KRAWITZ & ASSOCIATES		ELEV. = 5308.73		
				WORK BY	DATE
				INSPECTOR'S	DATE
				ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWINGS	DATE
				CORRECTED BY	DATE
				RECORDED BY	DATE
				NO.	

* = AS-BUILT ELEVATION

RECORD DRAWING	
DATE:	CHKD BY

MOLZEN-CORBIN
ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces

& Associates

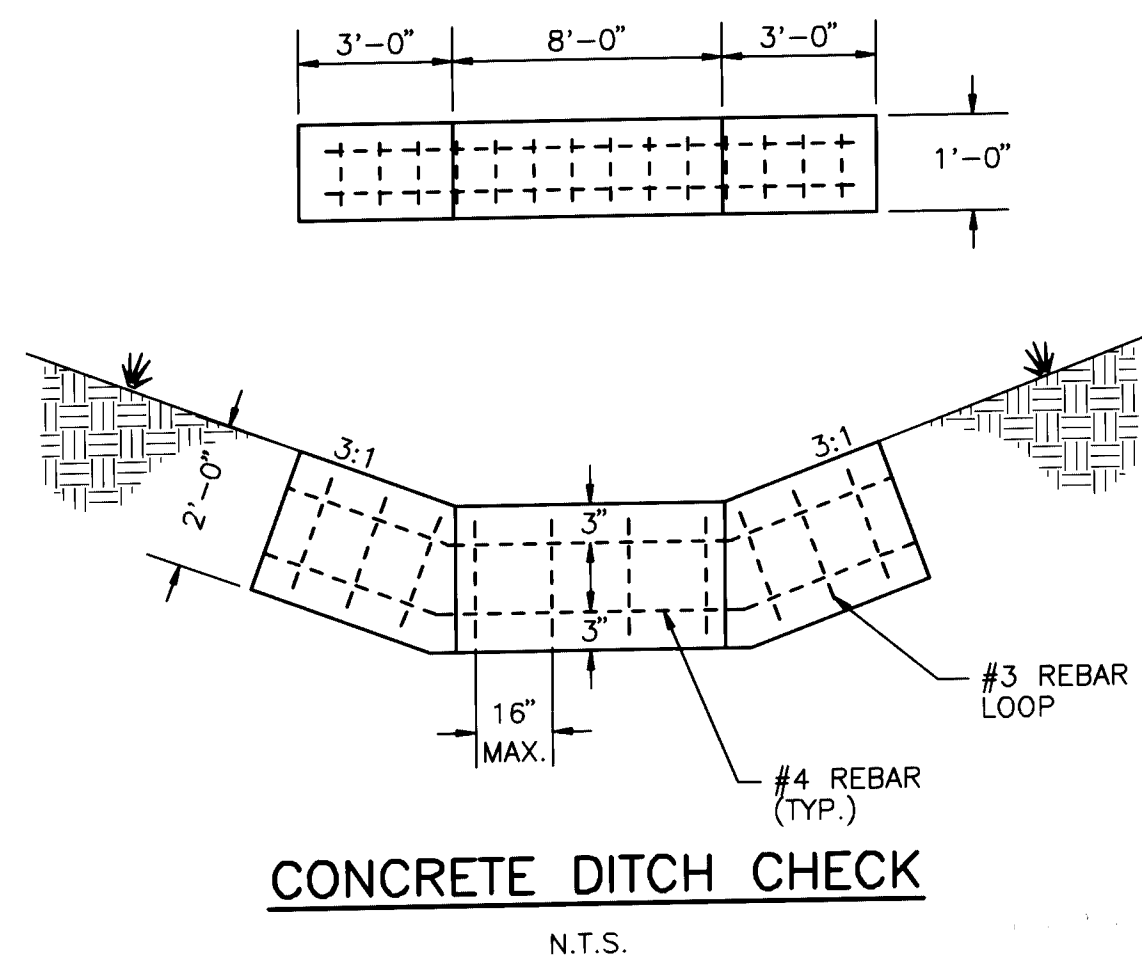
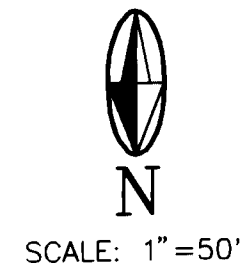
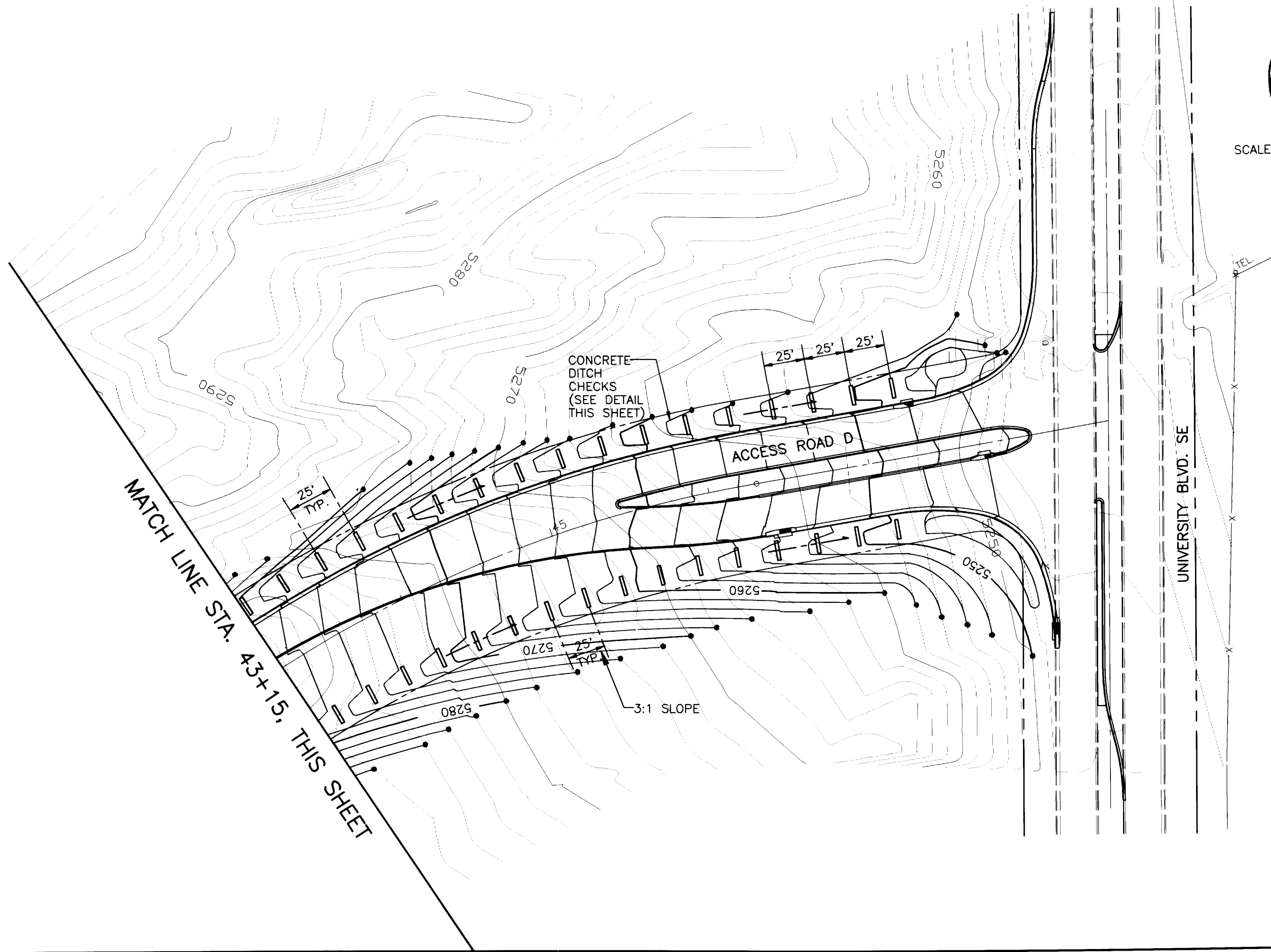
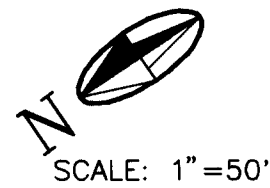
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
ACCESS ROAD D GRADING PLAN STA. 10+00 TO 32+00	
APPROVALS	ENGINEER
D.R.C. CHAIR	DATE
TRANS. DEV.	WATER
HYDROLOGY	WASTEWATER
AVIATION	

DRAWING NO. 4183

MAP NO. N-15

SHEET 14 OF 30

MATCH LINE STA. 32+00, SEE SHEET NO. 13



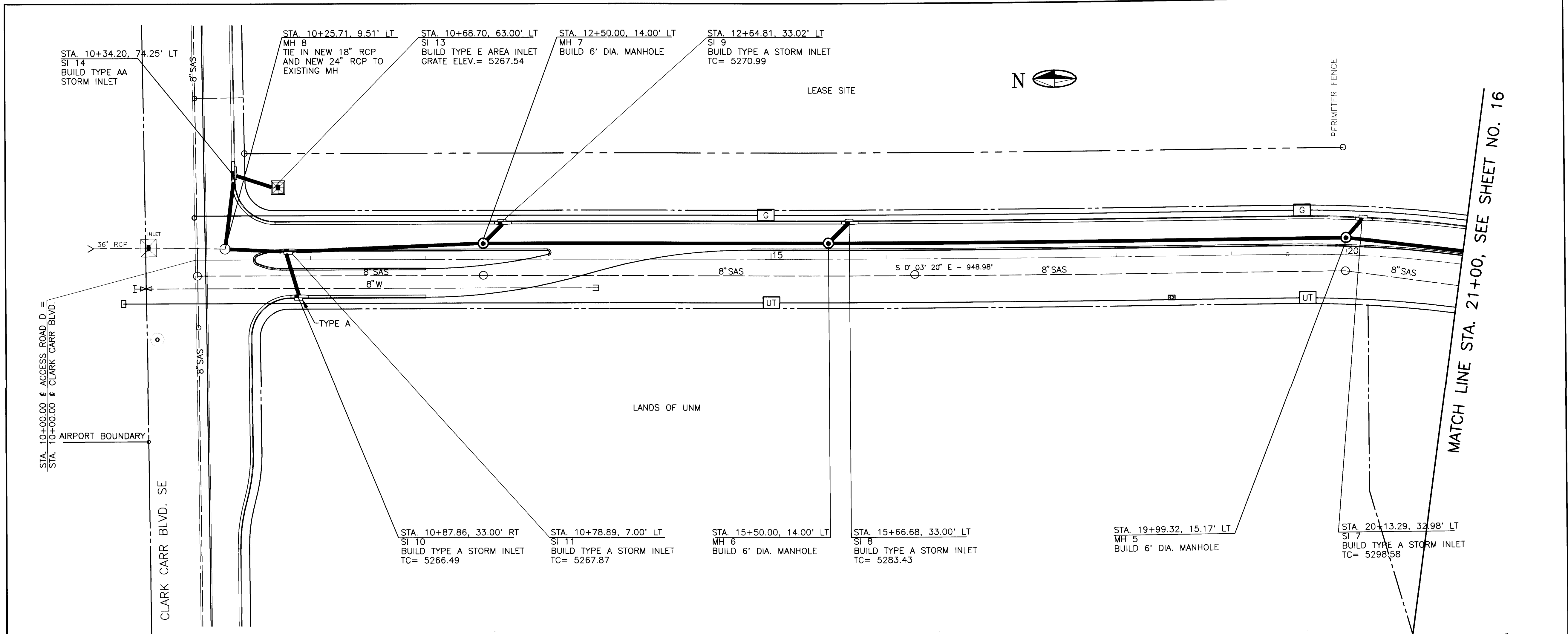
- NOTES
- 1) ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEED, (EROSION CONTROL).
 - 2) LOCATION AND NUMBER OF CONCRETE DITCH CHECKS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

* = AS-BUILT ELEVATION

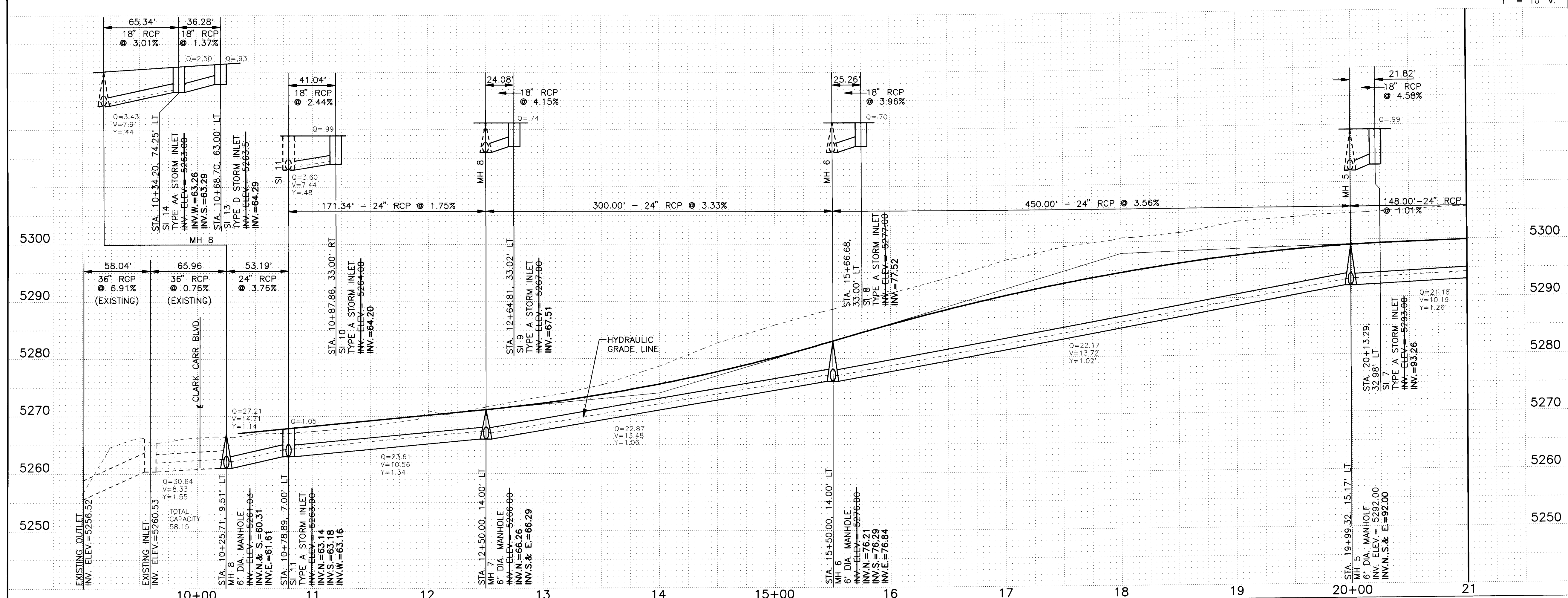
RECORD DRAWING			
DATE:	DRFT BY	CHKD BY	
MOIZEN-CORBIN & Associates ENGINEERS/PLANNERS/CONSULTANTS Albuquerque, New Mexico 87102			

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
ACCESS ROAD D					
GRADING PLAN STA. 32+00 TO 48+15.69					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					
DRAWING NO.	4183	MAP NO. N-15	SHEET 15 OF 30		

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES					
				NO.	BY	DATE			
					KRAWIETZ & ASSOCIATES				
	</								



- NOTE:
1. ALL FLOW QUANTITIES SHOWN ON THIS SHEET ARE DESIGN STORM QUANTITIES (10 YEARS).
 2. BACKFILL FOR STORM DRAIN SYSTEM SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS PER ASTM D-1557. THIS BACKFILL SHALL INCLUDE PIPE, STRUCTURES, AND MANHOLES. SUBGRADE BELOW STRUCTURES SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
 3. ALL RCP TO BE CLASS III.
 4. TOP OF CURB ELEVATIONS GIVEN FOR STORM INLETS ARE AT CENTER OF GRATE.



SCALES: 1" = 50' H.
1" = 10' V.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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RECORD DRAWING		
DATE: _____	DRFT BY: _____	CHKD BY: _____
MOLZEN-CORBIN & Associates ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces		

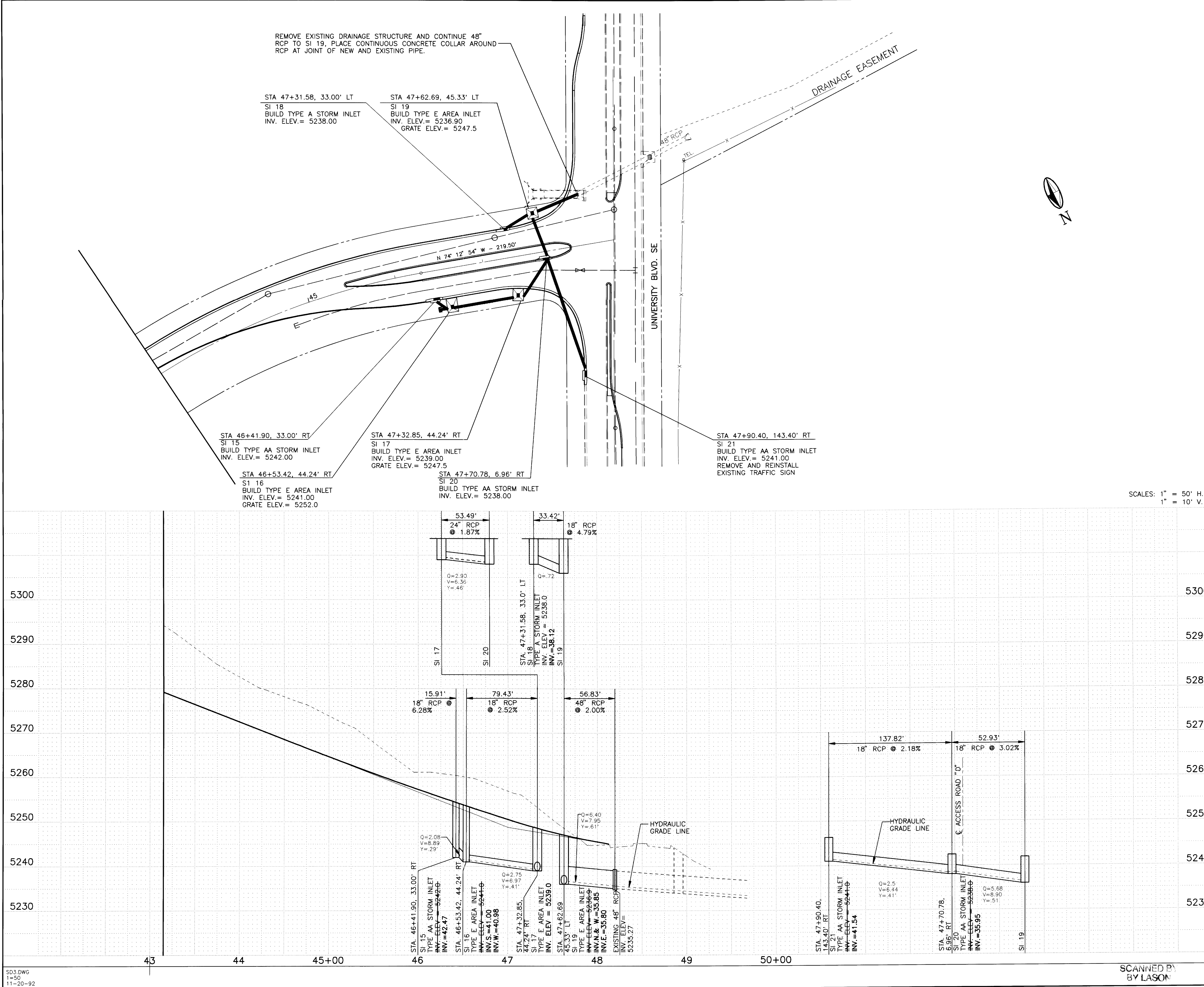
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ABQ. INT'L AIRPORT
ACCESS ROAD D
STORM DRAIN PLAN & PROFILES
STA.10+00 TO STA.21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					

DRAWING NO. 4183 MAP NO. N-15 SHEET 16 OF 30

ENGINEER'S SEAL										SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
										FIELD NOTES		UNW BRASS CAP "A-GIN" ELEV. 5308.73		CONTRACTOR WORK		DATE		
										BY								
										KRAWIEZ & ASSOCIATES								
										NO.								
REMARKS										BY								
NO. DATE																		
DESIGN																		
DESIGNED BY										DATE		12-11-90						
STAFF										DATE		4-11-91						
DRAWN BY										DATE								
CHECKED BY										DATE								
NO.																		
MICRO-FILM INFORMATION																		
RECORDED BY										DATE								
NO.																		



NOTE:

- ALL FLOW QUANTITIES SHOWN ON THIS SHEET ARE DESIGN STORM QUANTITIES (10 YEARS).
- BACKFILL FOR STORM DRAIN SYSTEM SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS PER ASTM D-1557. THIS BACKFILL SHALL INCLUDE PIPE, STRUCTURES, AND MANHOLES. SUBGRADE BELOW STRUCTURES SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
- ALL RCP SHALL BE CLASS III.
- TOP OF CURB ELEVATIONS SHOWN FOR STORM INLETS ARE AT CENTER OF GRATE.
- ALL BEDDING AND BACKFILL MATERIAL WITHIN 12" OF THE PIPE SHALL BE CLASS D. THERE SHALL BE NO ROCKS LARGER THAN 1" DIA. AND SHALL BE CLEAN GRAVEL OR SAND UNLESS OTHERWISE PROVIDED BY THE ENGINEER.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	UNM BRASS CAP "A-GN"	DATE	NO.	BY	NO.	BY
		ELEV. 5308.73			KRAWIEZ & ASSOCIATES		
INSPECTOR'S	DATE						
FIELD	DATE						
VERIFICATION BY	DATE						
DRAWINGS	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						
NO.							

RECORD DRAWING

DATE: _____ DRFT BY: _____ CHKD BY: _____

MOLZEN-CORBIN & Associates

ENGINEERS/PLANNERS/CONSULTANTS Albuquerque, New Mexico • Las Cruces

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ABQ. INT'L AIRPORT
ACCESS ROAD D
STORM DRAIN PLAN & PROFILES
STA.43+15 TO STA.48+15.69

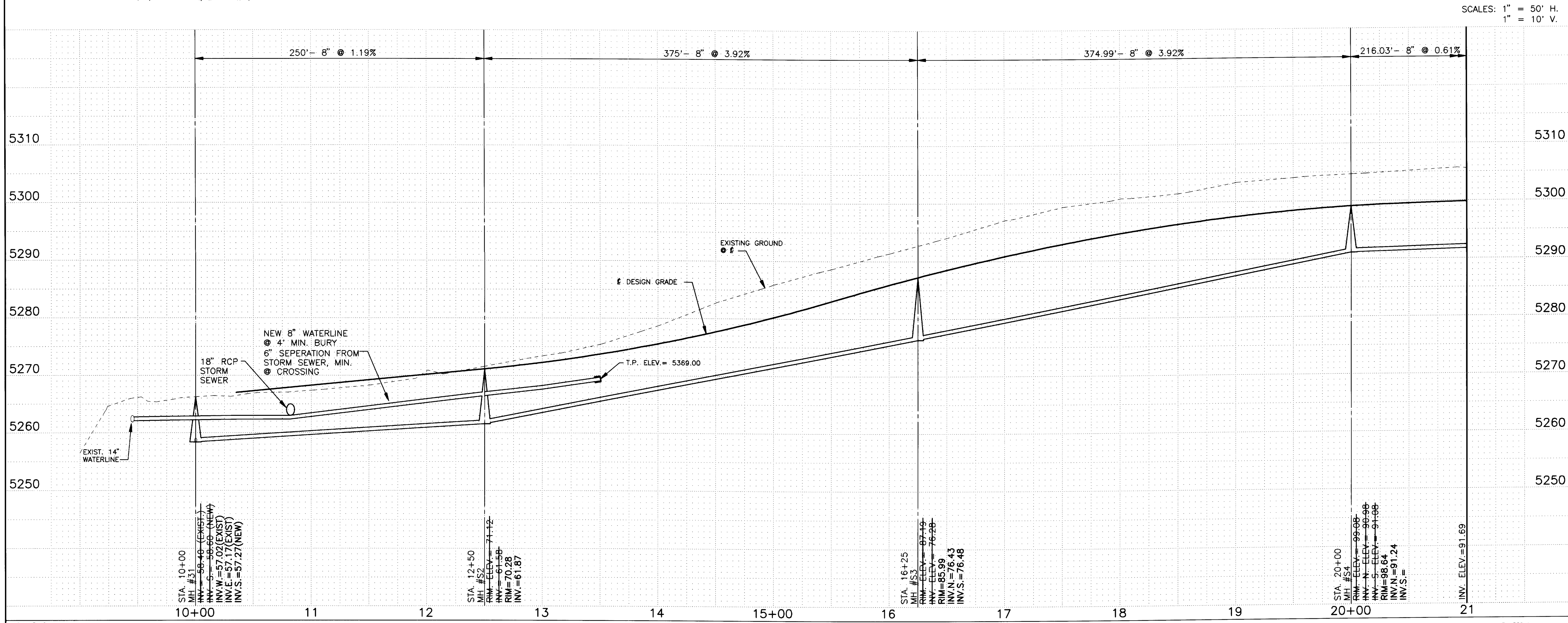
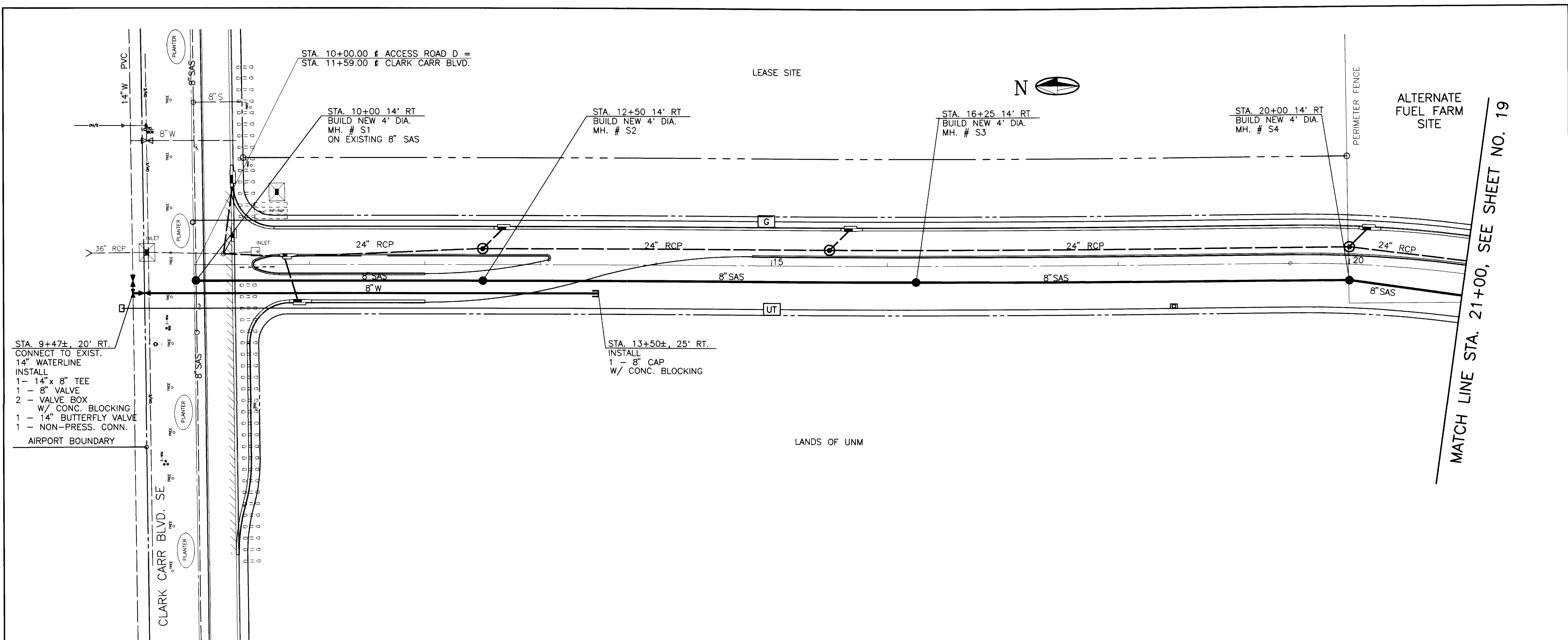
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					

SCANNED BY
BY LASON

DRAWING NO. 4183

MAP NO. N-15

SHEET 18 OF 30



NOTE:

- ALL WATER AND SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS REVISED.
- BACKFILL FOR WATER AND SANITARY SEWER LINES SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS PER ASTM D-1557.
- ALL WATER LINE PIPE SHALL BE C-900 CLASS 150.
- ALL SANITARY SEWER LINE PIPE SHALL BE PVC, SDR-35.
- SEE SHEET 5 FOR VALVE SHUT OFF PLAN. SHUT OFF VALVES 1 & 2 TO ISOLATE 14" WATER LINE AT CLARK CARR BLVD.
- ALL BEDDING AND BACKFILL MATERIAL WITHIN 12" OF THE PIPE SHALL BE CLASS D. THERE SHALL BE NO ROCKS LARGER THAN 1" DIA., AND SHALL BE CLEAN GRAVEL OR SAND UNLESS OTHERWISE PROVIDED BY THE ENGINEER.

AS BUILT INFORMATION

CONTRACTOR	DATE
UNM BRASS CAP "A-GW"	ELEV. 5308.73

BENCH MARKS

NO.	FIELD NOTES	DATE
1	KRAMETZ & ASSOCIATES	

SURVEY INFORMATION

NO.	DATE
1	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1		DESIGN	

RECORD DRAWING

DATE: DRFT BY: CHKD BY:

MOLZEN-CORBIN & Associates

ENGINEERS/PLANNERS/CONSULTANTS Albuquerque-New Mexico-Las Cruces

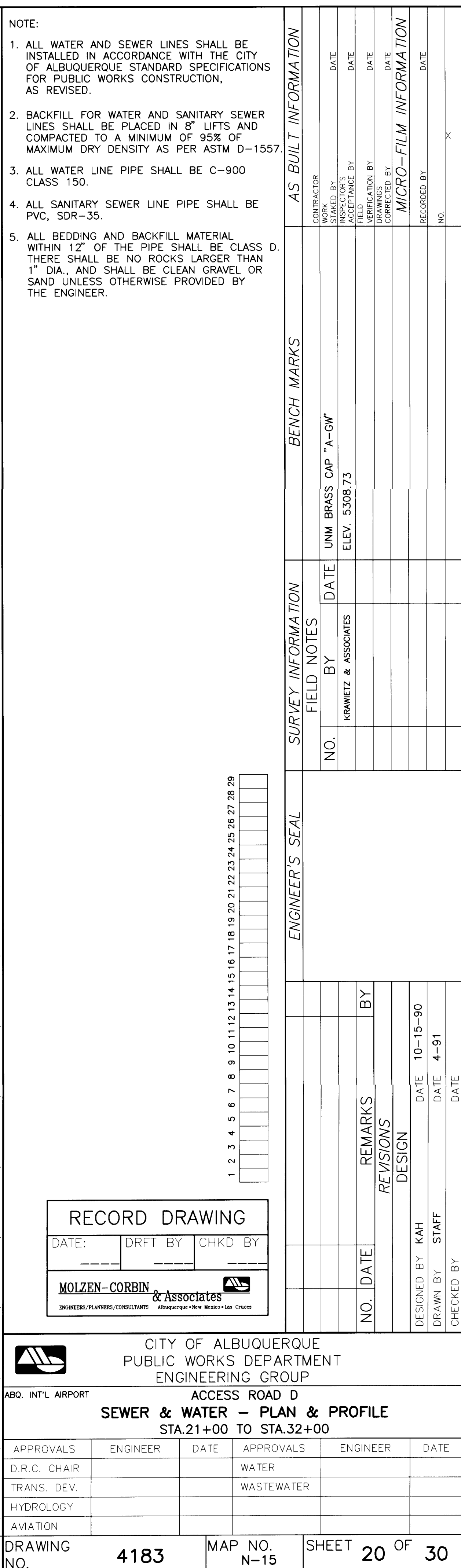
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

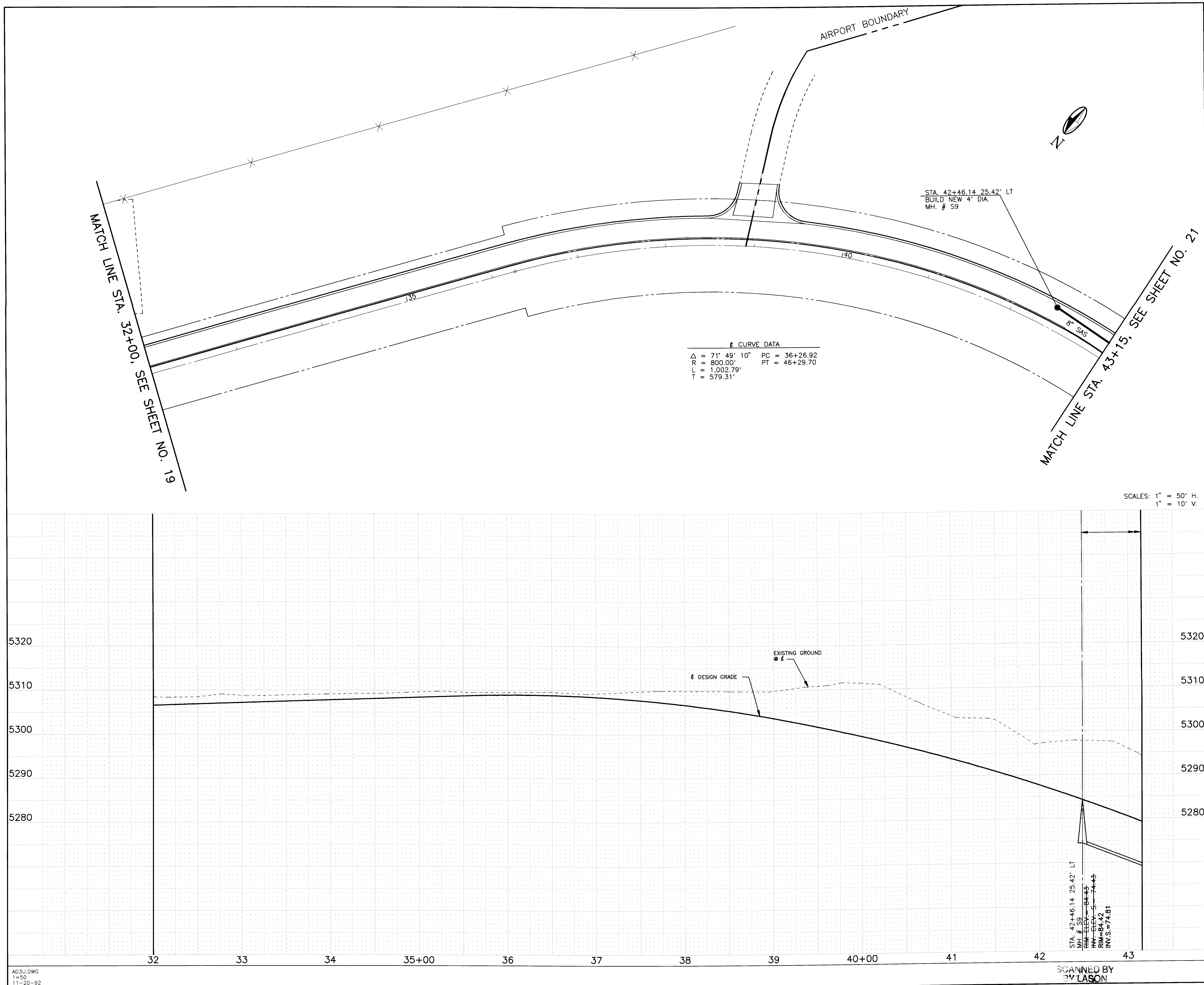
ABQ. INT'L AIRPORT
ACCESS ROAD D
SEWER & WATER - PLAN & PROFILE
STA.10+00 TO STA.21+00

APPROVALS	ENGINEER	DATE	APPROVALS	DATE
D.R.C. CHAIR			WATER	
TRANS. DEV.			WASTEWATER	
HYDROLOGY				

AVIATION

DRAWING NO. 4183 MAP NO. N-15 SHEET 19 OF 30





NOTE:

1. ALL WATER AND SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS REVISED.
2. BACKFILL FOR WATER AND SANITARY SEWER LINES SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS PER ASTM D-1557.
3. ALL WATER LINE PIPE SHALL BE C-900 CLASS 150.
4. ALL SANITARY SEWER LINE PIPE SHALL BE PVC, SDR-35.
5. ALL BEDDING AND BACKFILL MATERIAL WITHIN 12" OF THE PIPE SHALL BE CLASS D. THERE SHALL BE NO ROCKS LARGER THAN 1" DIA. AND SHALL BE CLEAN GRAVEL OR SAND UNLESS OTHERWISE PROVIDED BY THE ENGINEER.

[illegible]

RECORD DRAWING		
DATE: _____	DRFT BY _____	CHKD BY _____
MOLZEN-CORBIN ENGINEERS/PLANNERS/CONSULTANTS		 & Associates Albuquerque • New Mexico • Las Cruces

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ABQ. INT'L AIRPORT

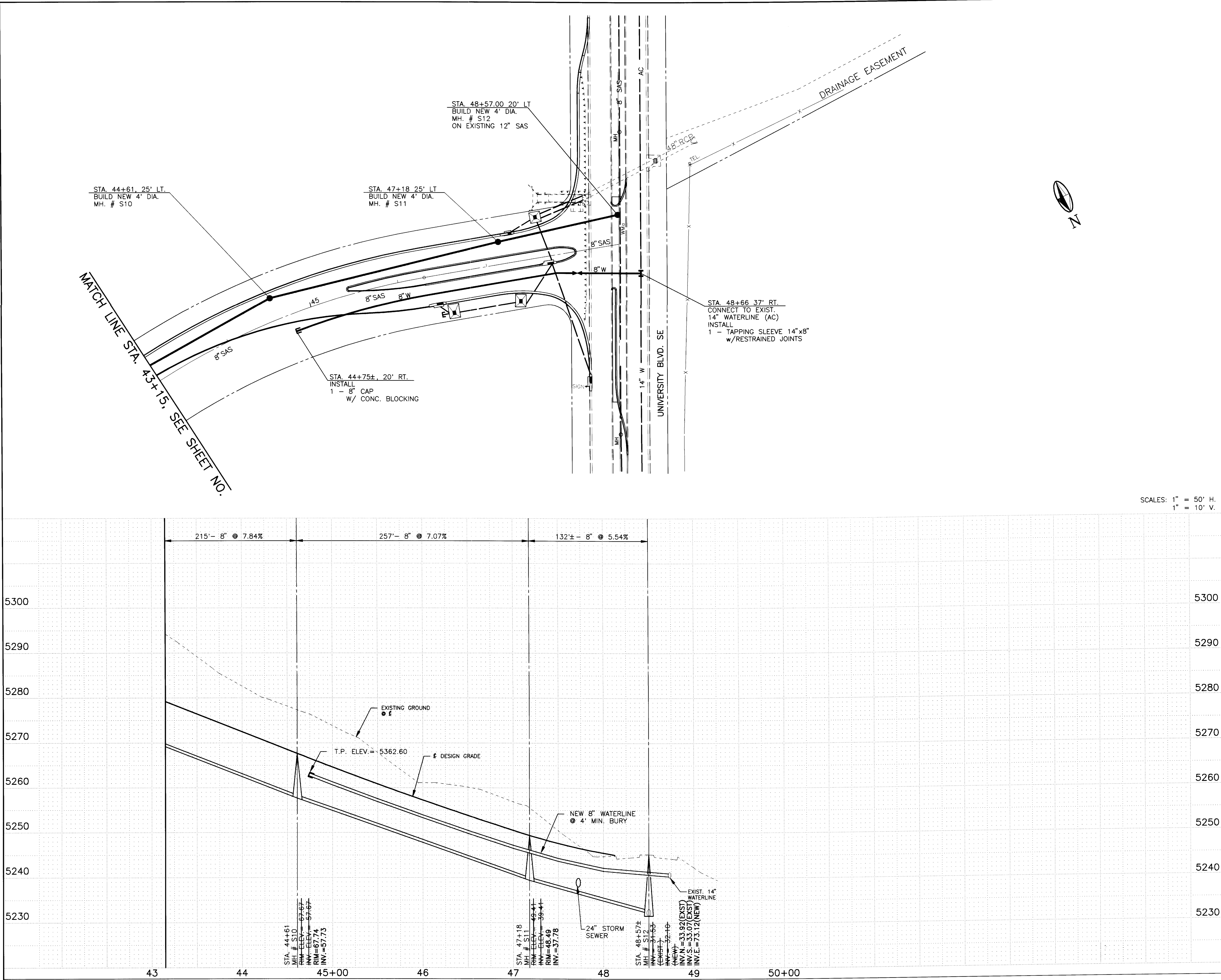
ACCESS ROAD D

SEWER & WATER - PLAN & PROFILE

STA 32+00 TO STA 43+15

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					

DRAWING NO.	4183	MAP NO. N-15	SHEET 21 OF 30
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NOTE:

1. ALL WATER AND SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS REVISED.
2. BACKFILL FOR WATER AND SANITARY SEWER LINES SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS PER ASTM D-1557.
3. ALL WATER LINE PIPE SHALL BE C-900 CLASS 150.
4. ALL SANITARY SEWER LINE PIPE SHALL BE PVC, SDR-35.
5. ALL BEDDING AND BACKFILL MATERIAL WITHIN 12" OF THE PIPE SHALL BE CLASS D. THERE SHALL BE NO ROCKS LARGER THAN 1" DIA., AND SHALL BE CLEAN GRAVEL OR SAND UNLESS OTHER WISE PROVIDED BY THE ENGINEER.
6. SEE SHEET 5 FOR VALVE SHUT OFF PLAN. SHUT OFF VALVES 3 AND 4 TO ISOLATE 14" WATER LINE AT UNIVERSITY BLVD.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	UNM BRASS CAP "A-GW"	DATE	FIELD NOTES	NO.	REMARKS	BY
STACED BY	DATE	ELEV. 5308.73		KRAWETZ & ASSOCIATES			
FIELD ACCEPTANCE BY	DATE						
FIELD CORRECTION BY	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						

RECORD DRAWING

DATE: _____ DRFT BY: _____ CHKD BY: _____

MOLZEN-CORBIN & Associates

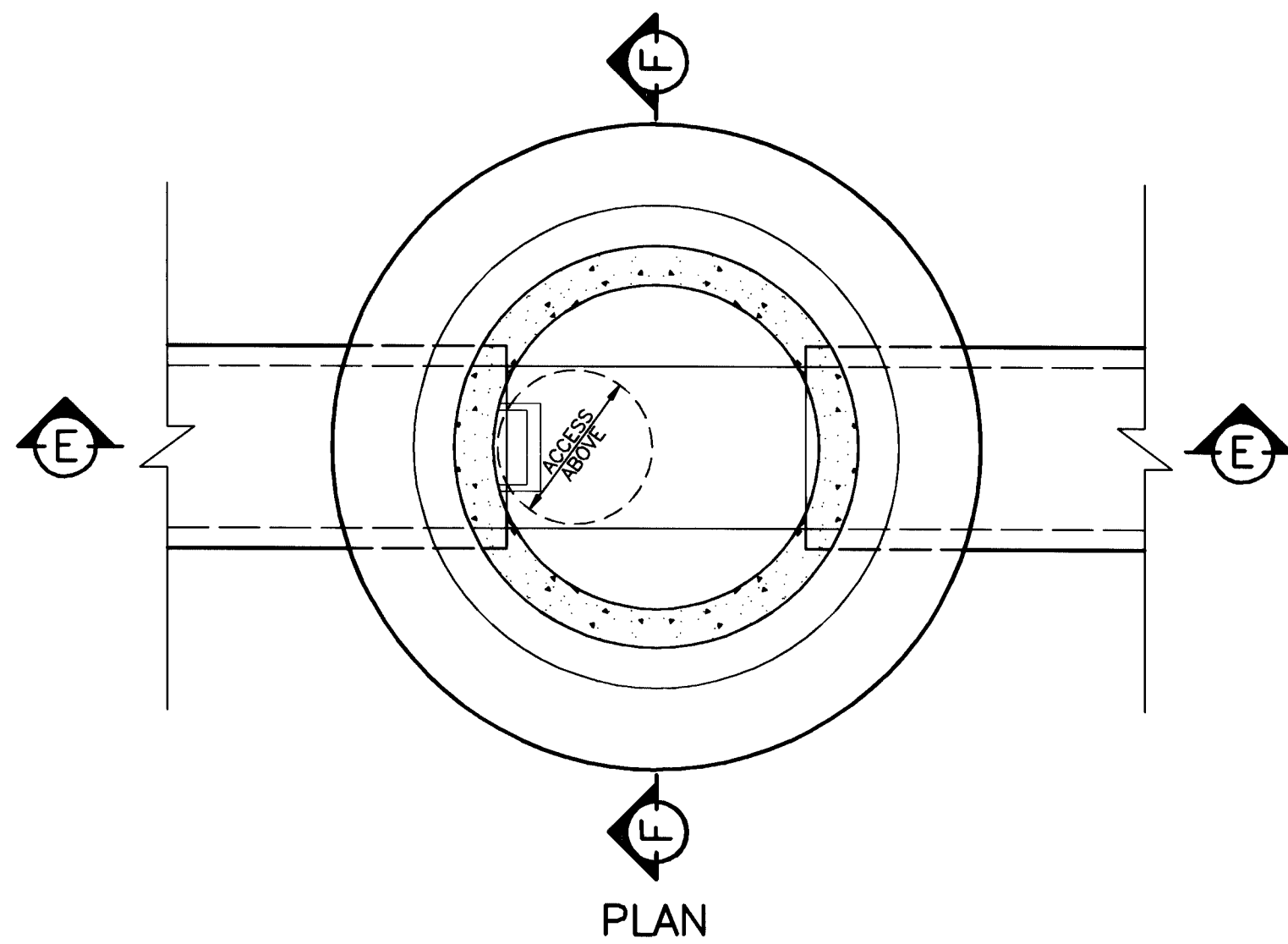
ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

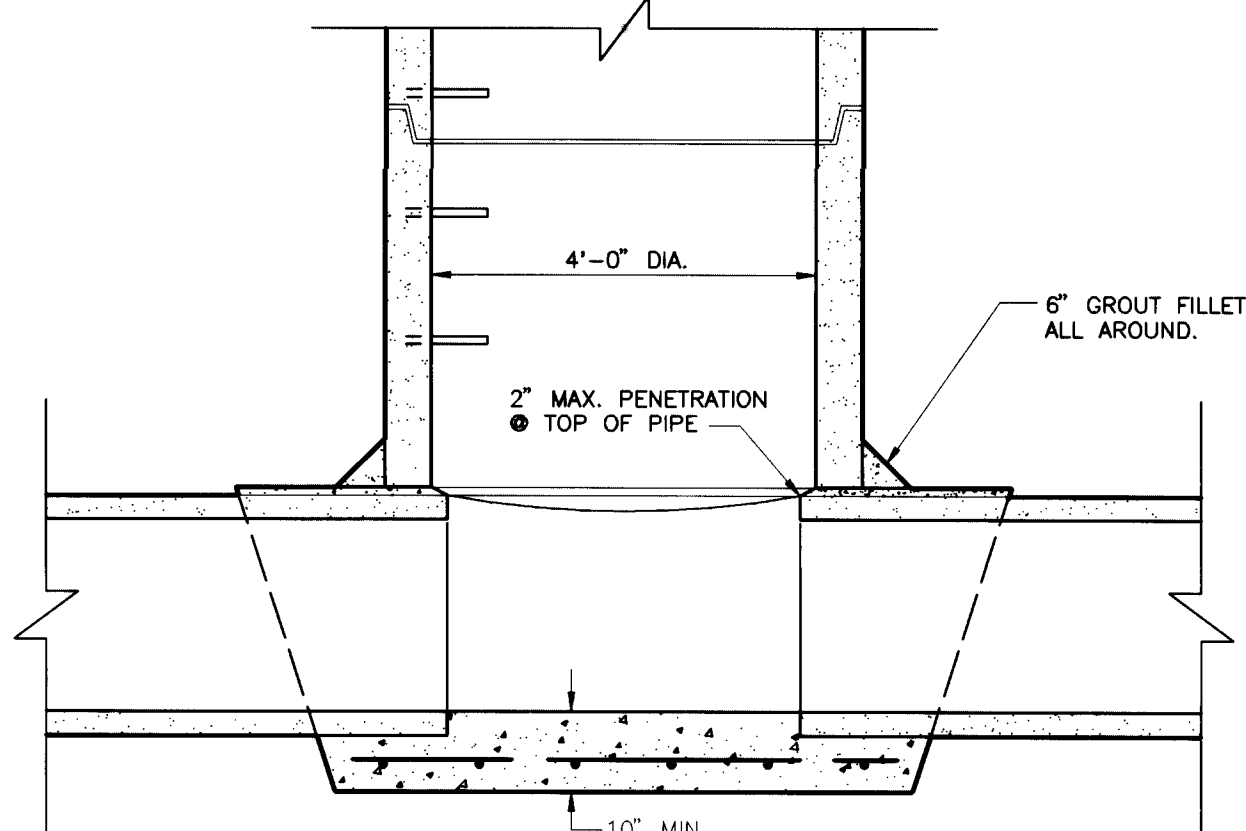
ABQ. INT'L AIRPORT
ACCESS ROAD D
SEWER & WATER - PLAN & PROFILE
STA. 43+15 TO STA. 48+15.69

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					

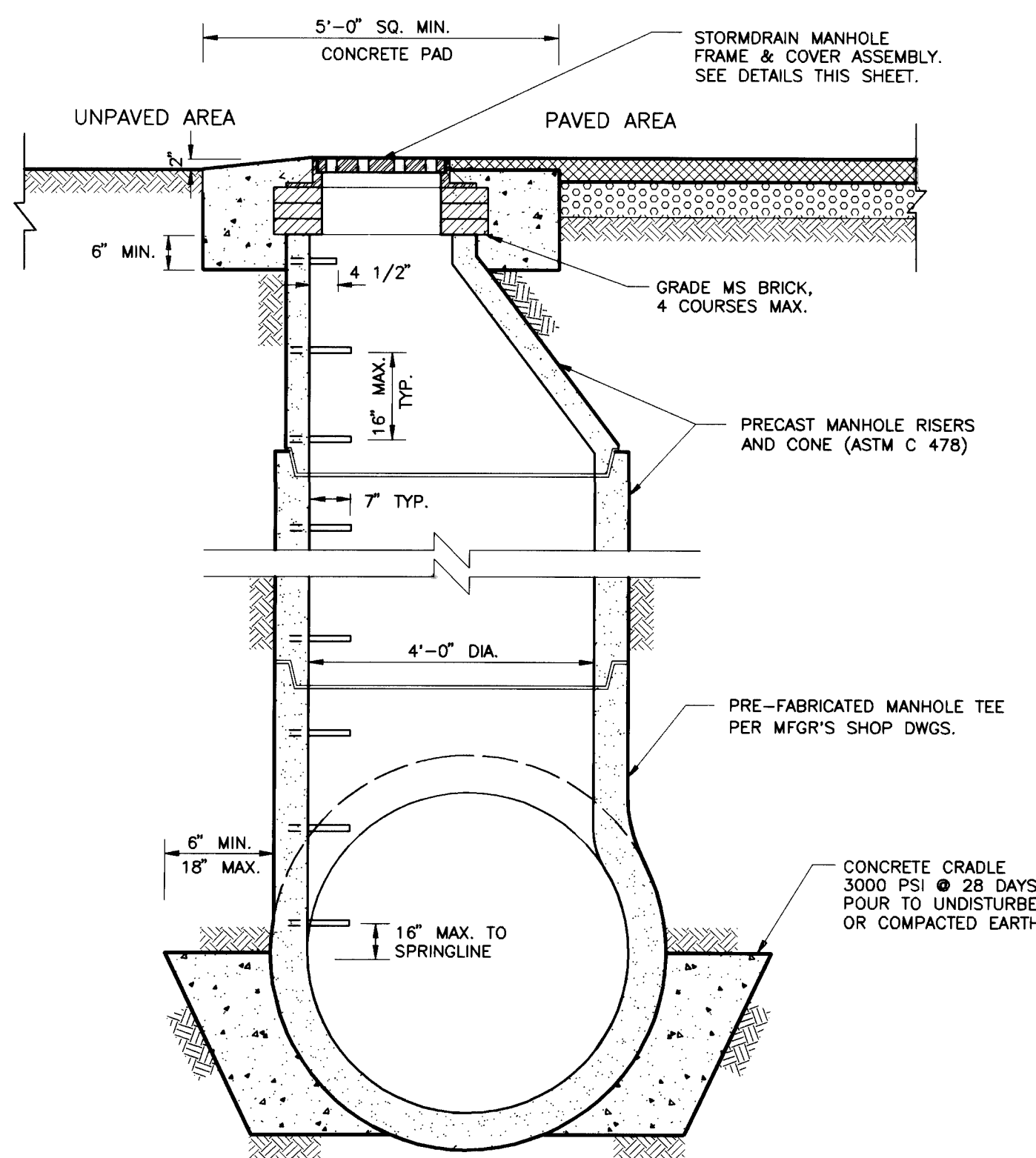
DRAWING NO. **4183** MAP NO. **N-15** SHEET **22** OF **30**



PLAN



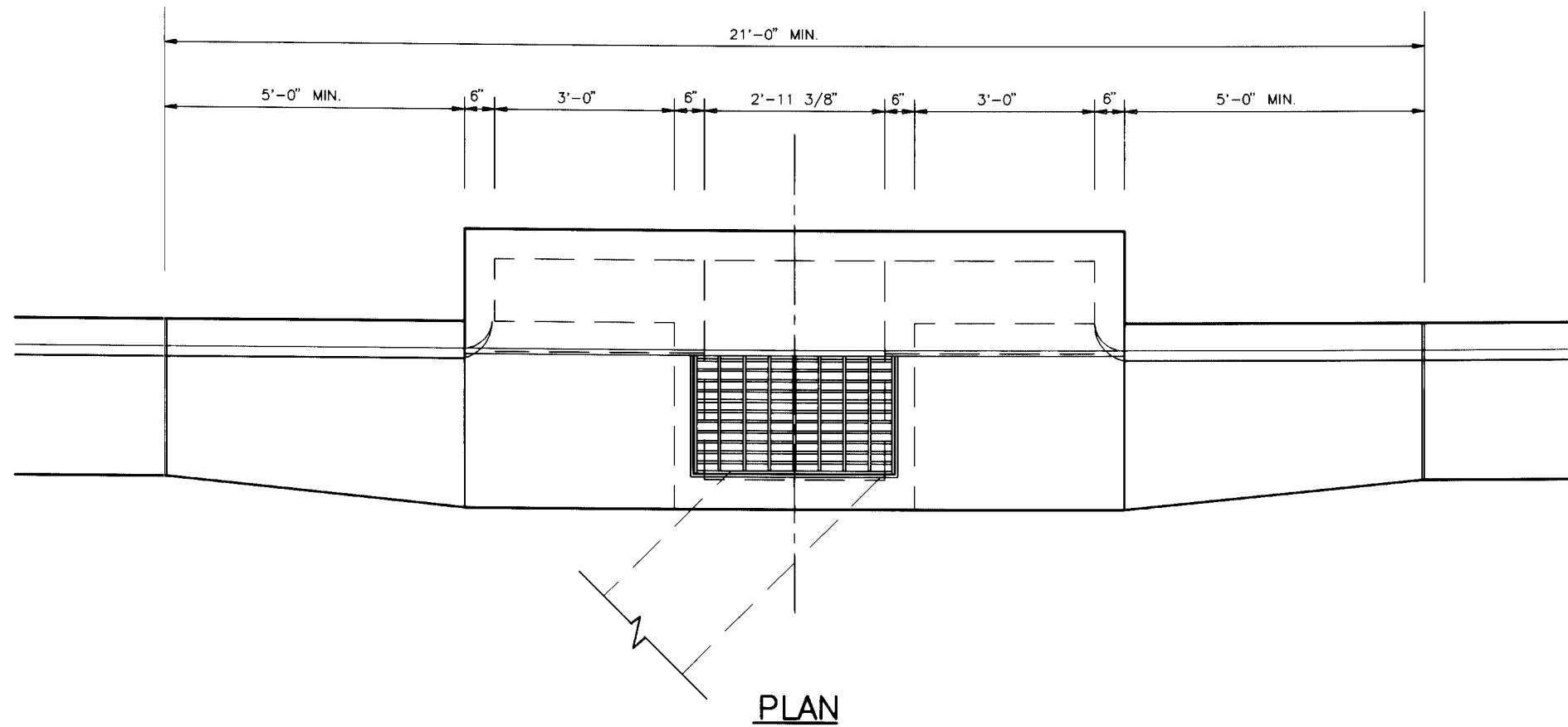
SECTION E-E



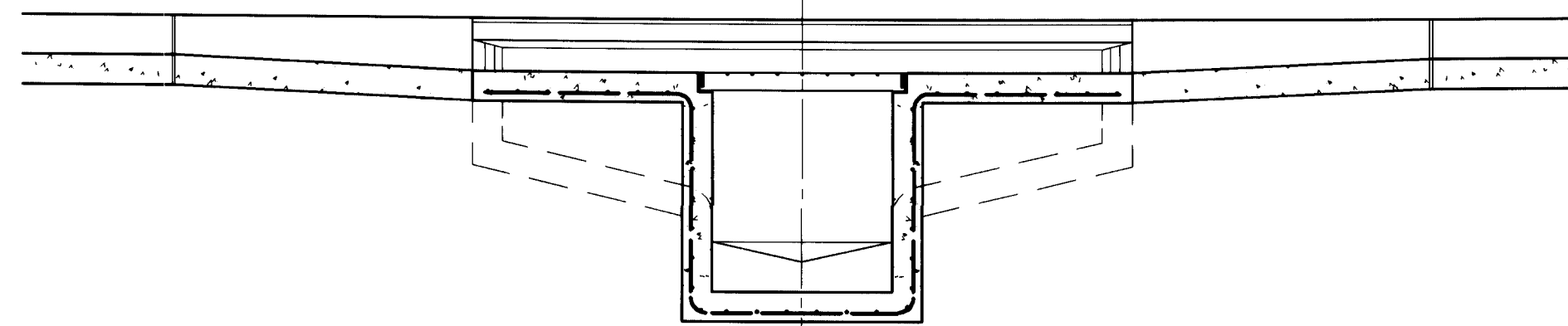
SECTION B-B

ACCESS MANHOLE

PIPE DIA. $\geq$ 48"

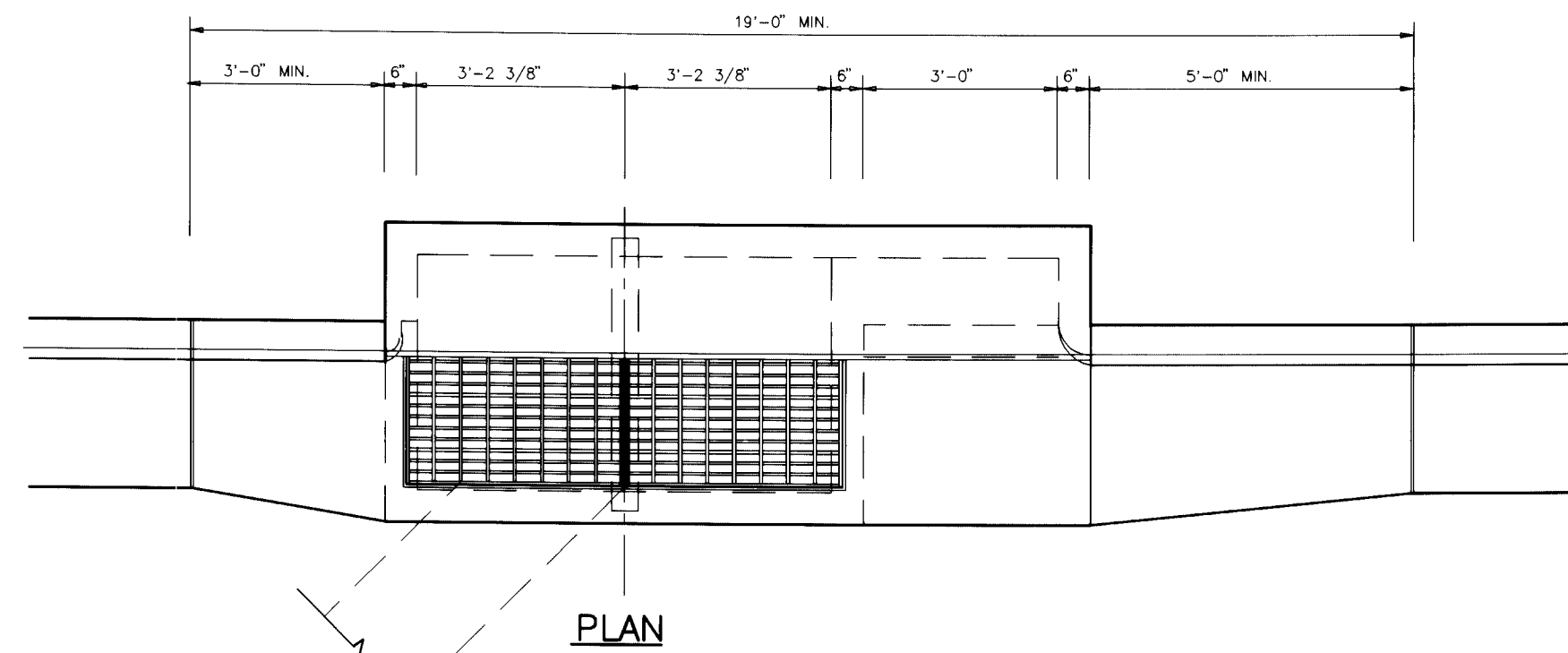


PLAN

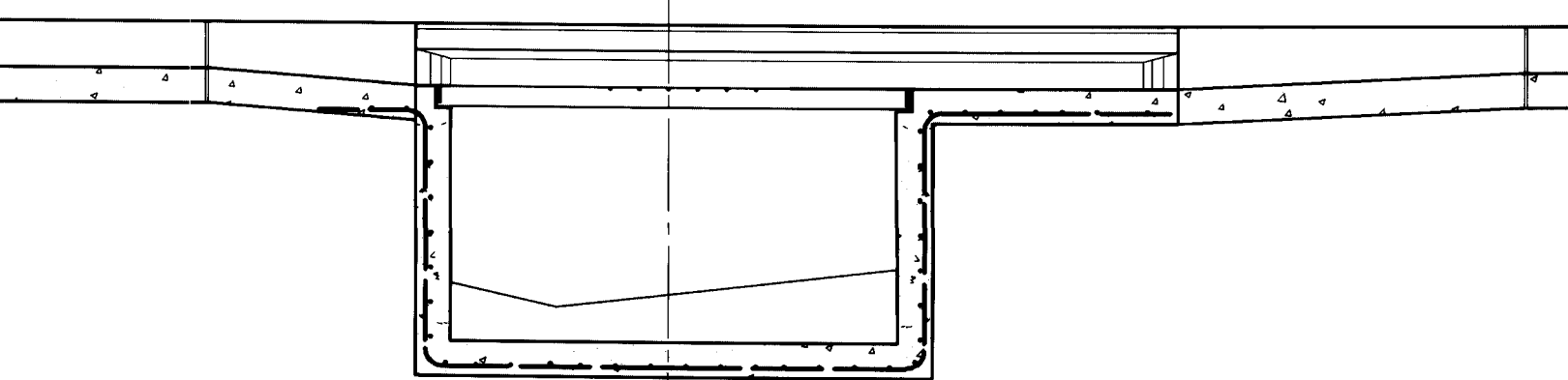


SECTION

TYPE A (SUMP) STORM INLET

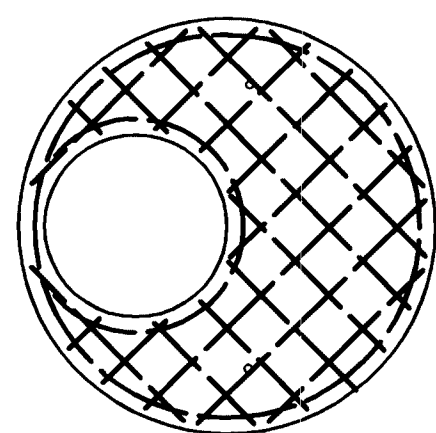


PLAN

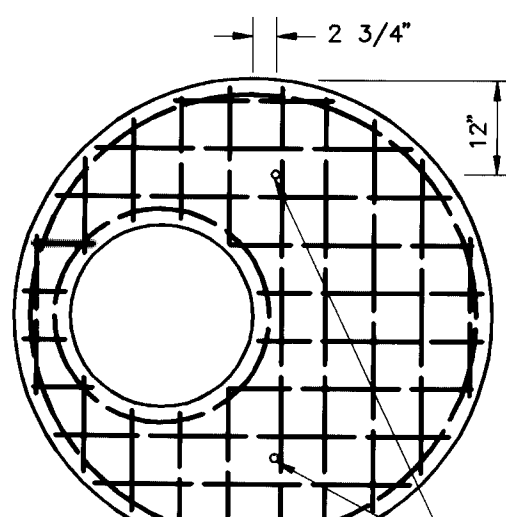


SECTION

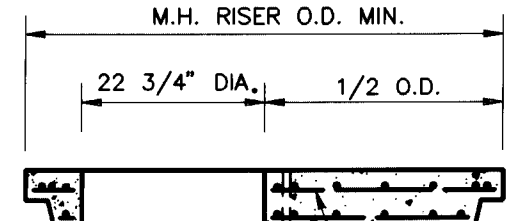
TYPE DOUBLE A STORM INLET



BOTTOM MAT

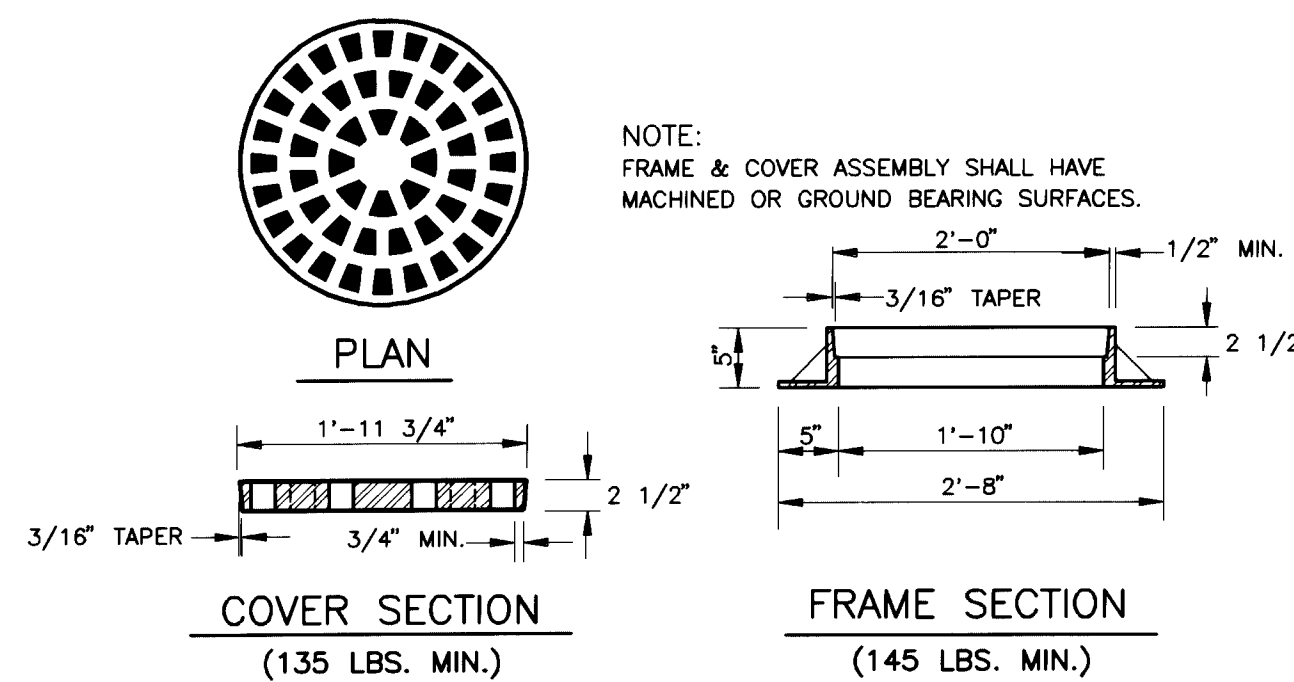


TOP MAT

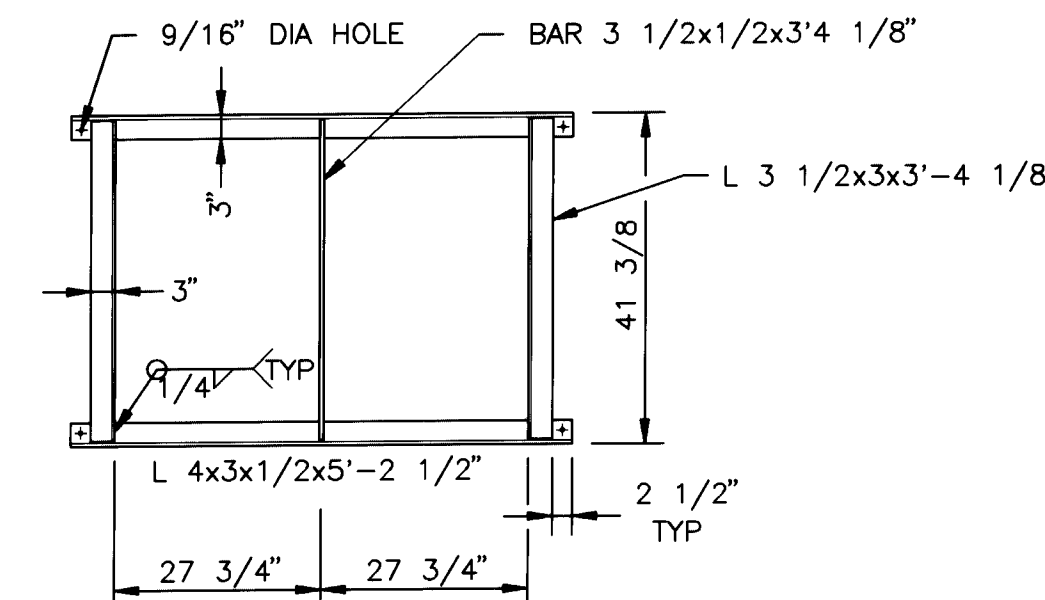


SECTION

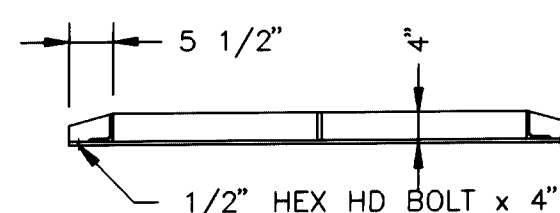
CONCRETE COVER FOR SHALLOW MANHOLE



MANHOLE FRAME & COVER DETAILS



PLAN



SECTION

TYPE E INLET FRAME

- NOTE:
- THE DETAILS SHOWN ON THIS SHEET DO NOT CONTAIN ALL THE INFORMATION NEEDED FOR CONSTRUCTION. STORM DRAINAGE CONSTRUCTION SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EXCEPT AS OTHERWISE SHOWN ON THIS SHEET.
 - ALL BENDS, WYES, AND OTHER FITTINGS NECESSARY FOR CONSTRUCTION OF THE STORM DRAIN SYSTEM SHALL BE PREFABRICATED, AND MEET THE SPECIFICATIONS SET FORTH IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - DO NOT USE THE CITY ALTERNATE GRATE (STD. DWG. NO. 2221) FOR SUMP CONDITION INLETS.

RECORD DRAWING

DATE: DRFT BY CHKD BY

MOIZEN-CORBIN & Associates

ENGINEERS/PLANNERS/CONSULTANTS Albuquerque New Mexico-Las Cruces

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
ABQ. INT'L AIRPORT ACCESS ROAD D STORM DRAINAGE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					
DRAWING NO.	4183	MAP NO.		SHEET 23 OF 30	



TYPE E (AREA) STORM INLET



PAVING CONCRETE VALLEY GUTTER



N.T.S.

NOTE: CUT-OFF WALL TO BE CONSTRUCTED
SO THAT OUTSIDE FACE OF CUT-OFF
WALL MATCHES END OF CURB AND
GUTTER

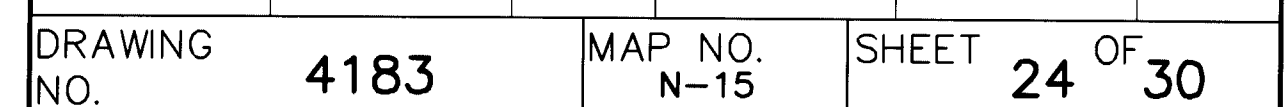


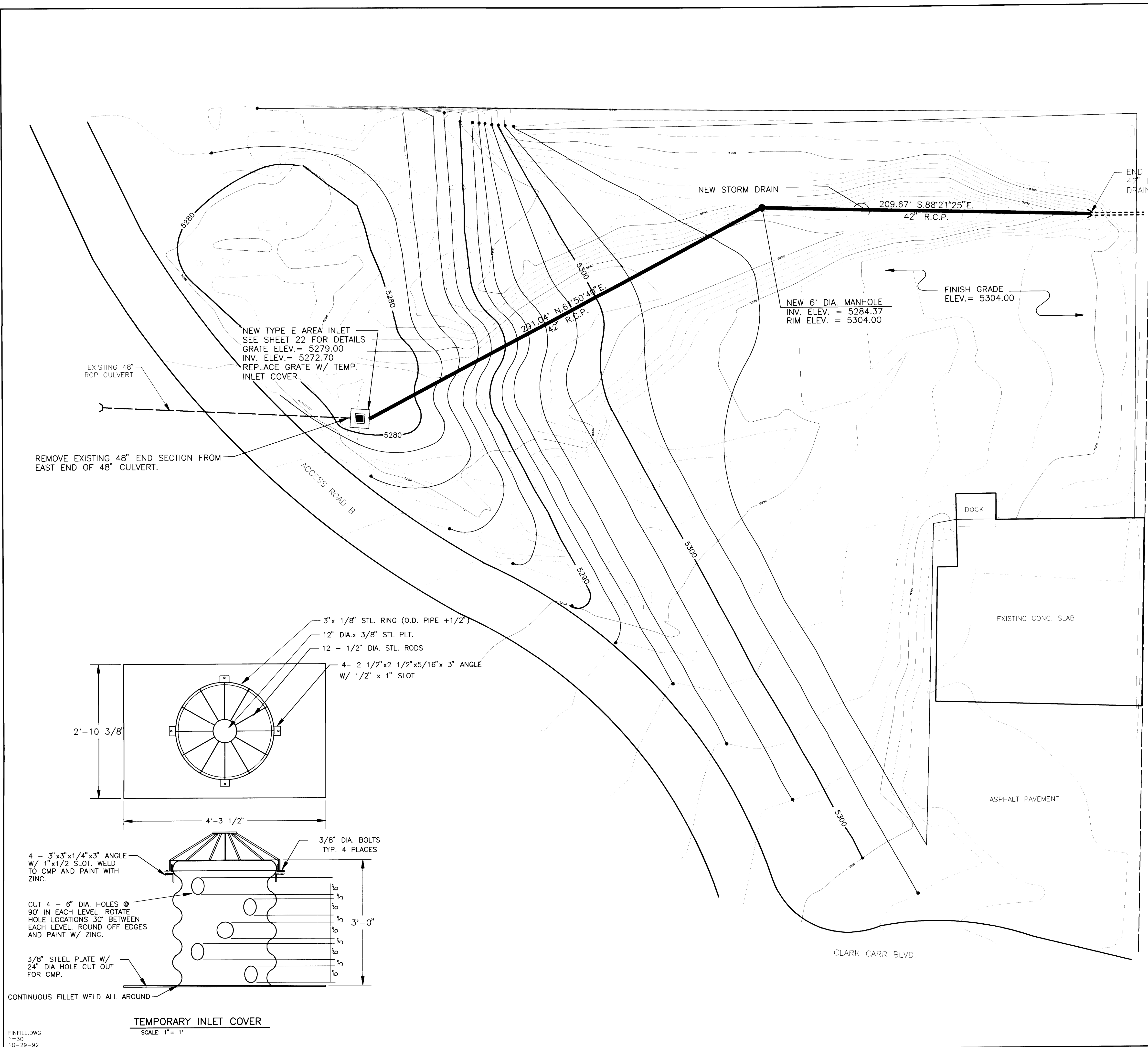
CONTRACTOR TO MATCH STANDARD CURB AND GUTTER SECTION WITH CURB ON TRENCH DRAIN TO MAKE A SMOOTH, NEAT TRANSITION.

SCANNED BY
BY LASON

6. THE DETAILS ON THIS SHEET MAY NOT CONTAIN ALL OF THE INFORMATION REQUIRED FOR CONSTRUCTION. REFER TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS REVISED.

NO.	DATE	REMARKS	BY
<i>REVSIONS</i>			
<i>DESIGN</i>			
DESIGNED BY		DATE	
DRAWN BY		DATE	
CHECKED BY		DATE	





N
SCALE: 1" = 30'

NOTES:
LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO CONSTRUCTION.
ALL FILL MATERIAL SHALL BE PLACED AS STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN LIFTS AND COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DRY DENSITY, AS PER ASTM (D1557).
CONTRACTOR SHALL PROVIDE ALL WATER AND COMPACTION EQUIPMENT REQUIRED TO PLACE MATERIAL AS PREVIOUSLY SPECIFIED.
THE FINISHED SURFACE OF SITE SHALL BE GRADED SMOOTH AND CONFORM TO THE FINISH CONTOURS AS ALLOWED BY THE AMOUNT OF UNCLASSIFIED EXCAVATION AVAILABLE. THE CONTRACTOR SHALL ADJUST THE TOP OF THE GRATE AND INLET ELEVATIONS, IF NECESSARY, AS DIRECTED BY THE ENGINEER WHEN THE ACTUAL FINISHED SURFACE IS KNOWN.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORKED BY	DATE						NO.	BY	DATE					
	INSPECTOR'S	DATE							KRAWITZ & ASSOCIATES						
	ACCEPTANCE BY	DATE													
	VERIFICATION BY	DATE													
	DRAWN BY	DATE													
	CHECKED BY	DATE													
MICRO-FILM INFORMATION															
	NO.	DATE													

RECORD DRAWING

DATE: DRFT BY: CHKD BY:

MOLZEN-CORBIN & Associates

ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

ACCESS ROAD D

FILL AREA GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
AVIATION					

DRAWING NO.

4183

MAP NO.

N-15

SHEET

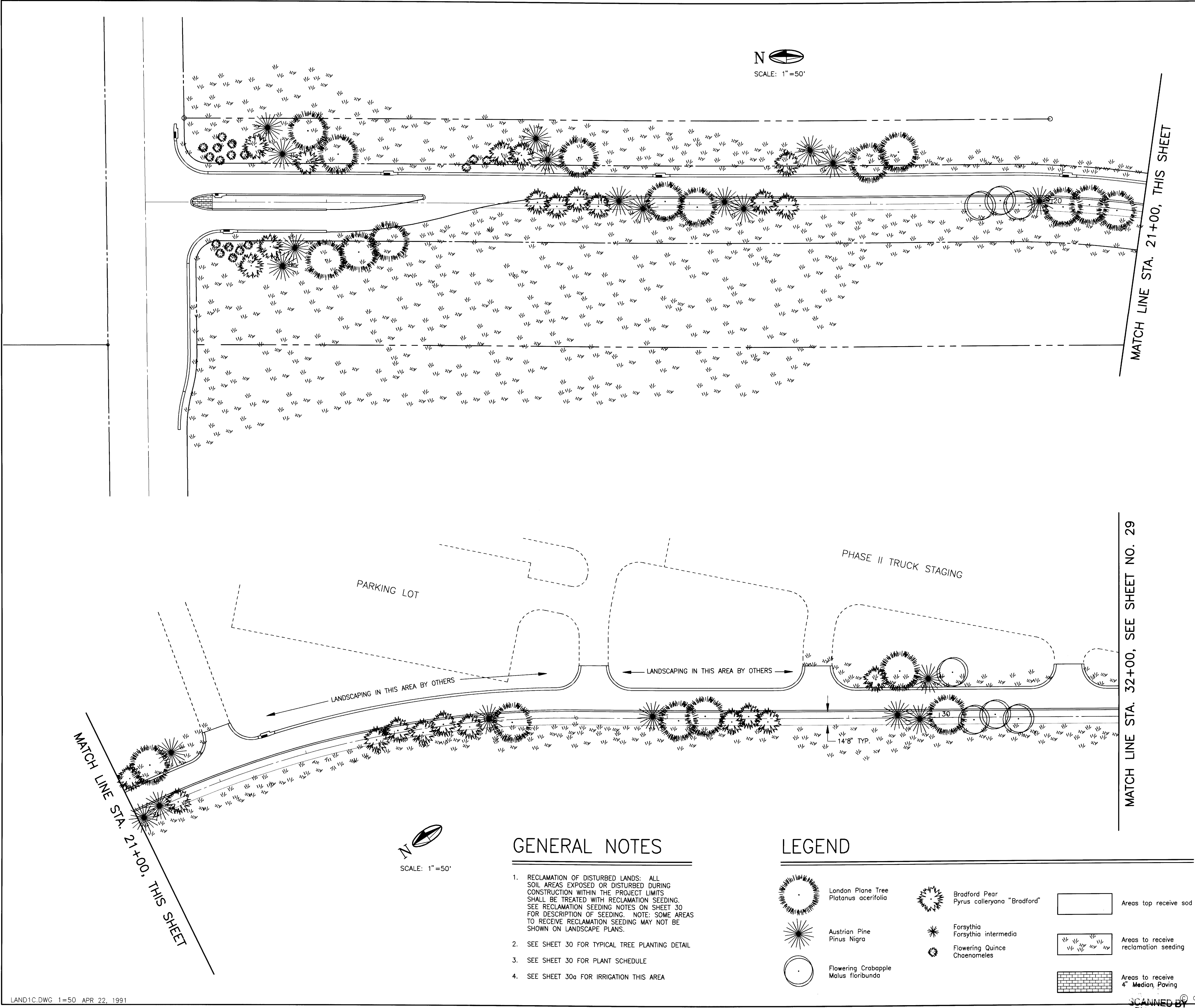
26

OF

30

FINFILL DWG
1=30
10-29-92

SCANNED BY
BY LASON



GENERAL NOTES

- 1. RECLAMATION OF DISTURBED LANDS: ALL SOIL AREAS EXPOSED OR DISTURBED DURING CONSTRUCTION WITHIN THE PROJECT LIMITS SHALL BE TREATED WITH RECLAMATION SEEDING. SEE RECLAMATION SEEDING NOTES ON SHEET 30 FOR DESCRIPTION OF SEEDING. NOTE: SOME AREAS TO RECEIVE RECLAMATION SEEDING MAY NOT BE SHOWN ON LANDSCAPE PLANS.
- 2. SEE SHEET 30 FOR TYPICAL TREE PLANTING DETAIL
- 3. SEE SHEET 30 FOR PLANT SCHEDULE
- 4. SEE SHEET 30a FOR IRRIGATION THIS AREA

LEGEND

- London Plane Tree
Platanus acerifolia
- Austrian Pine
Pinus Nigra
- Flowering Crabapple
Malus floribunda
- Bradford Pear
Pyrus calleryana "Bradford"
- Forsythia
Forsythia intermedia
- Flowering Quince
Chaenomeles
- Areas top receive sod
- Areas to receive reclamation seeding
- Areas to receive 4" Median Paving

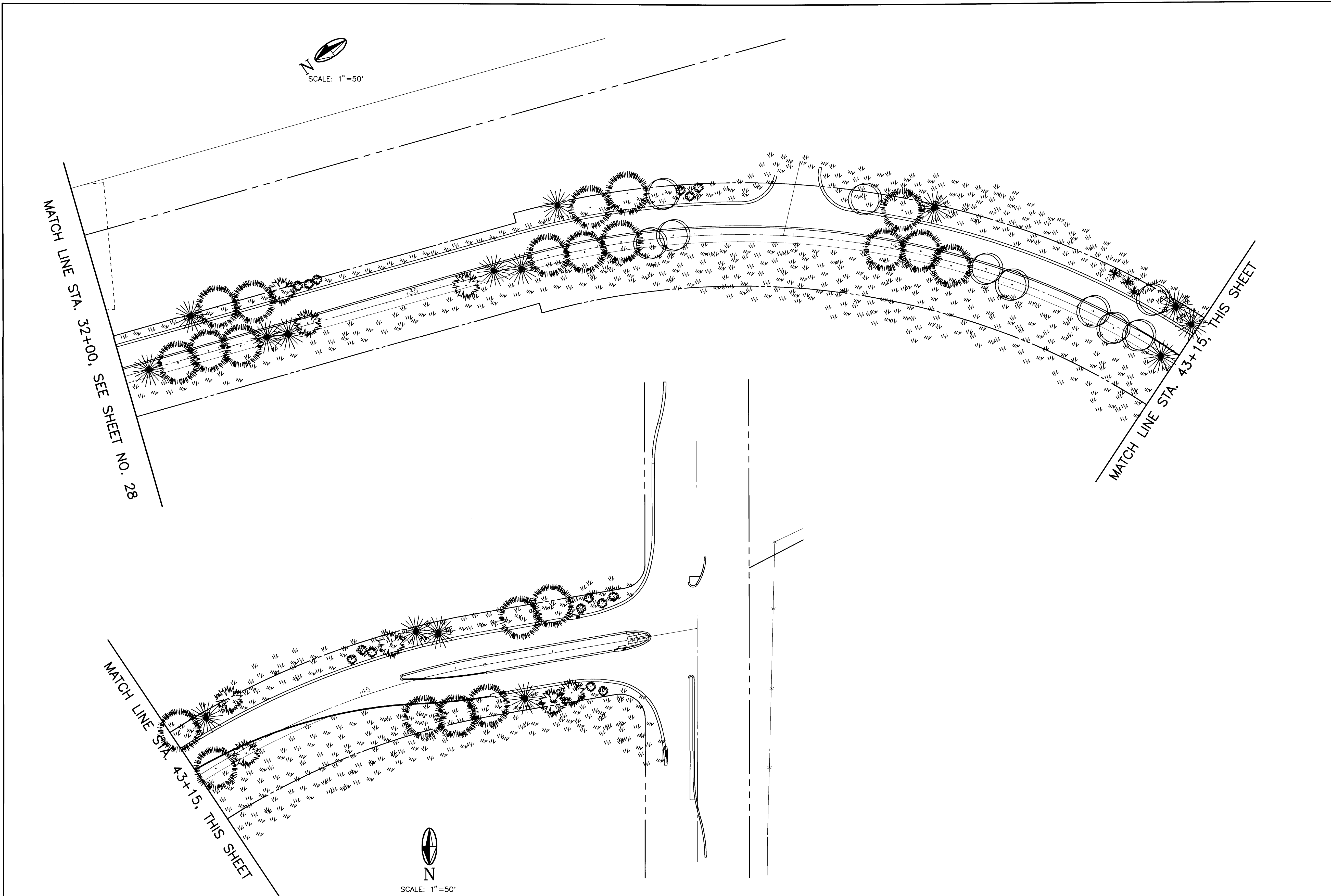
RECORD DRAWING

DATE: DRFT BY: CHKD BY:

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
ACCESS ROAD D LANDSCAPING PLAN STA. 10+00 TO 32+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
DRAWING NO. 4183		MAP NO. N-15		SHEET 28 OF 30	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		UNM BRASS CAP "A-GN"		CONTRACTOR	
NO.	BY	DATE	ELEV. ≈ 5308.73	WORK	DATE
	KRAWITZ & ASSOCIATES			INSPECTOR'S	DATE
				ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWINGS	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	DATE



GENERAL NOTES

1. RECLAMATION OF DISTURBED LANDS: ALL SOIL AREAS EXPOSED OR DISTURBED DURING CONSTRUCTION WITHIN THE PROJECT LIMITS SHALL BE TREATED WITH RECLAMATION SEEDING. SEE RECLAMATION SEEDING NOTES ON SHEET 30 FOR DESCRIPTION OF SEEDING. NOTE: SOME AREAS TO RECEIVE RECLAMATION SEEDING MAY NOT BE SHOWN ON LANDSCAPE PLANS.
2. SEE SHEET 30 FOR TYPICAL TREE PLANTING DETAIL
3. SEE SHEET 30 FOR PLANT SCHEDULE
4. SEE SHEET 30b FOR IRRIGATION THIS AREA

LEGEND

- | | | | | | |
|--|---|--|---|--|--------------------------------------|
| | London Plane Tree
<i>Platanus acerifolia</i> | | Bradford Pear
<i>Pyrus calleryana "Bradford"</i> | | Areas top receive sod |
| | Austrian Pine
<i>Pinus Nigra</i> | | Forsythia
<i>Forsythia intermedia</i> | | Areas to receive reclamation seeding |
| | Flowering Crabapple
<i>Malus floribunda</i> | | Flowering Quince
<i>Chaenomeles</i> | | Areas to receive 4" Median Paving |

RECORD DRAWING		
DATE: _____	DRFT BY: _____	CHKD BY: _____
ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces		

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
ACCESS ROAD D					
LANDSCAPING PLAN STA. 32+00 TO 48+15.69					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					
DRAWING NO. 4183		MAP NO. N-15		SHEET 29 OF 30	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	UNM BRASS CAP "A-GN"	ELEV. 5308.73	CONTRACTOR	
	BY			WORKS BY	
	KRAWETZ & ASSOCIATES			INSPECTOR'S	
	DATE			ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWINGS	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

SCANNED BY
BY LASON

RECLAMATION SEEDING NOTES

Reclamation of disturbed lands: All soil areas exposed or disturbed during construction within the project limits shall be treated with reclamation seeding. All areas to receive reclamation seeding under this contract may not be shown on landscape plans.

- Mulch for seeded areas shall be Barley straw at a rate of 1.5 tons per acre
- Reclamation seed mix:

SPECIES	ORIGIN	LBS. PURE LIVE SEED PER ACRE
Annual Rye	Any	2.0
Blue Grama	Hatchita	0.5
Sideoats Grama	Vaughn or Niner	4.0
Western Wheatgrass	Barton or Arriba	4.0
Buffalograss	Texoka	4.0
Sand Dropseed	Any	0.5
Indian Ricegrass "Paloma"	Any	3.0
	SUBTOTAL	18.0
Penstemon strictus	Bandier	2.0
Penstemon ambiguu	Any	2.0
Coreopsis lanceolata	Any	2.0
Chrysanthemum leucanthemum	Any	2.0
	SUBTOTAL	8.0

- Fertilizer requirements

CHEMICAL	ACTUAL MINIMUM POUNDS PER ACRE
Slow release nitrogen (urea or formaldehyde)	50.0
Phosphorus (P2 O5)	46.0
Water soluble sulphur	48.0

- Watering

After planting reclamation seed, water shall be applied as follows:

First two weeks: Four applications of one inch each, timed three days apart.

One application of one inch each week thereafter, until acceptance by Owner.

PLANT SCHEDULE						
SYMBOL	QUANTITY	COMMON NAME BOTANICAL NAME	SIZE	MATURE SIZE		CONDITION
				HEIGHT	SPREAD	
	44	London Plane Tree <i>Platanus acerifolia</i>	2-1/2" CAL.	50'	35'	B&B
	38	Austrian Pine <i>Pinus nigra</i>	8' HT.	35'	25'	B&B
	17	Flowering Crabapple <i>Malus floribunda</i>	2" CAL.	20'	30'	B&B
	35	Bradford Pear <i>Pyrus calleryana</i> "Bradford"	2" CAL.	30'	25'	B&B
	6	Forsythia <i>Forsythia intermedia</i>	3' HT.	10'	7'	5 GAL.
	32	Flowering Quince <i>Chaenomeles</i> "Coral Sea"	3' HT.	6'	6'	5 GAL.
SOD - BLUEGRASS, FESCUE, RYE MIX - LOCALLY GROWN - FRESHLY CUT						
	RECLAMATION SEEDING - SEE NOTES					



N.T.S.

RECORD DRAWING		
DATE:	DRFT BY	CHKD BY
_____	_____	_____

MOLZEN-CORBIN

ENGINEERS/PLANNERS/CONSULTANTS

& Associates

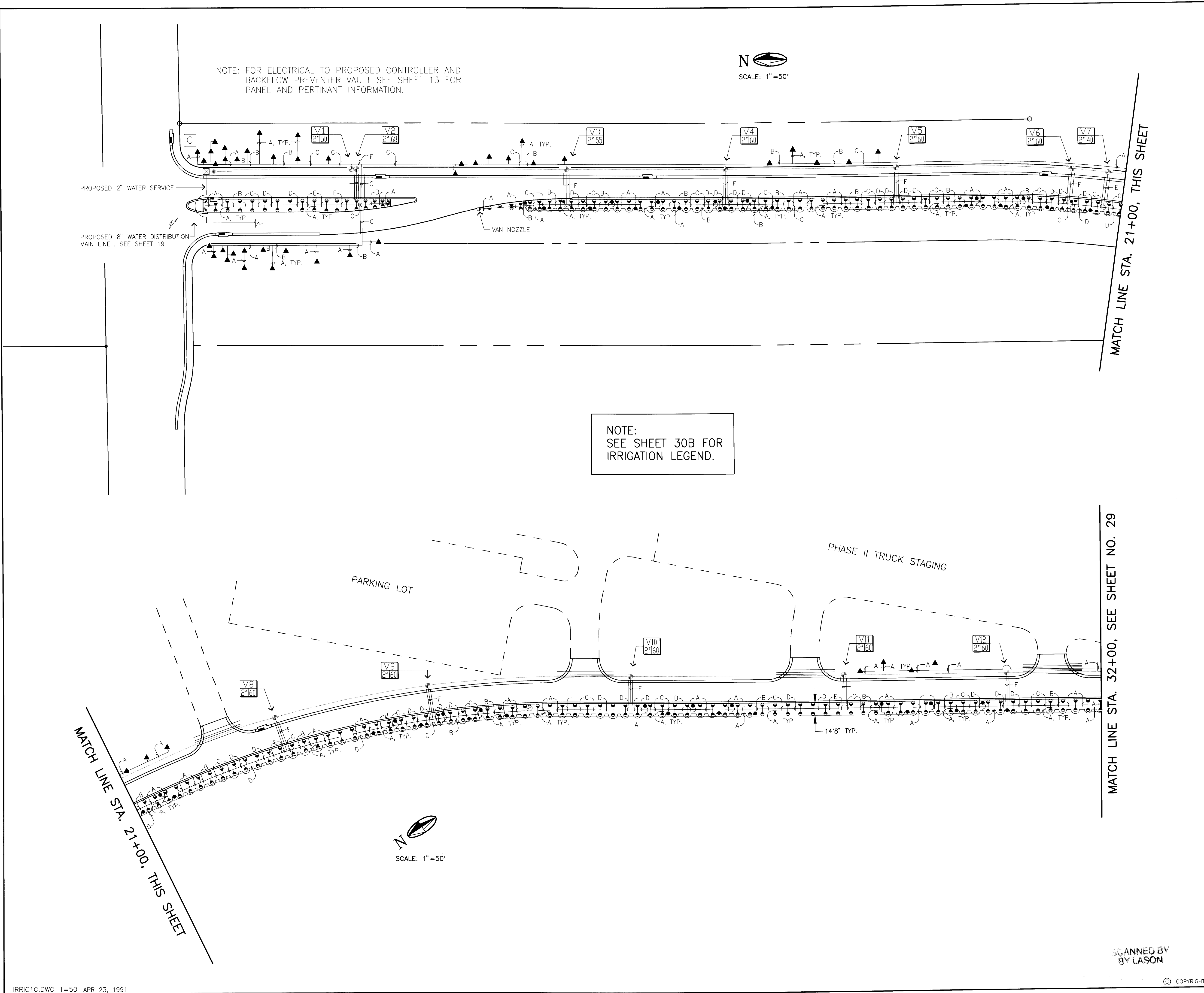
Albuquerque • New Mexico • Las Cruces



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LANDSCAPING AND IRRIGATION NOTES AND DETAILS

DRAWING NO.	4183	MAP NO. N-15	SHEET 30 OF 30
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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RECORD DRAWING		
DATE: _____	DRFT BY: _____	CHKD BY: _____
MOLZEN-CORBIN & Associates ENGINEERS/PLANNERS/CONSULTANTS Albuquerque • New Mexico • Las Cruces		

IRRIGATION
DESIGN
SERVICES
P.O. BOX 26800 SUITE 200
ALBUQUERQUE, NEW MEXICO 87125
(505) 873-4729
ANTHONY (TONY) R. ULIBARRI
IRRIGATION CONSULTANT

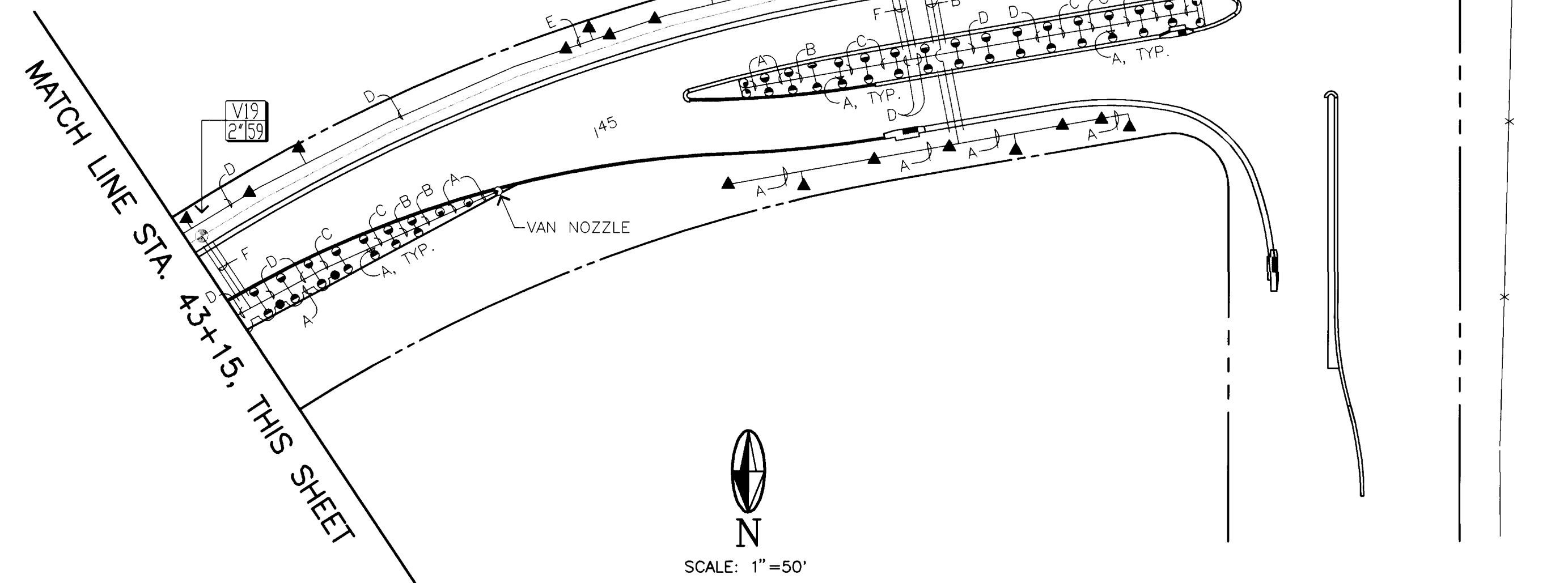
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ACCESS ROAD D
IRRIGATION PLAN STA. 10+00 TO 32+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					

DRAWING NO.	4183	MAP NO. N-15	SHEET 30A OF 30
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SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
FIELD NOTES			UNM BRASS CAP "A-GIN"			CONTRACTOR		
NO.	BY	DATE	ELEV. = 5308.73			WORKED BY	DATE	
	KRAWITZ & ASSOCIATES					INSPECTED BY	DATE	
						ACCEPTANCE BY	DATE	
						VERIFICATION BY	DATE	
						DRAWINGS	DATE	
						REVISIONS	DATE	
						MICRO-FILM INFORMATION		
						RECORDED BY	DATE	
						NO.		



SLEEVE PIPING: CLASS 200, SDR-21 PVC, TWO SIZES LARGER THAN PIPE IT WILL ENCLOSE. SLEEVES FOR LOW VOLTAGE WIRE SHALL BE 2". THE CONTRACTOR SHALL INSTALL SLEEVE PIPING PRIOR TO PAVING OPERATIONS.

WATER METER, SIZE 2". THE CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE 2" WATER SERVICE AND SHALL PAY FOR UTILITY EXPANSION, PRO-RATA, STANDBY AND OTHER CHARGES. THE CONTRACTOR SHALL INSTALL UNIT TO CITY OF ALBUQUERQUE STANDARDS, DRAWING NO. W-11.

MASTER VALVE AND VACUUM BREAKER ASSEMBLY, RAINBIRD 200-EFB-CP WITH FEBCO 825Y-BV, SIZE 2". SEE DETAIL ON SHEET 30.

MAIN LINE PIPING, CLASS 200, SDR-21, O-RING GASKET END PVC.

REMOTE CONTROL VALVE, RAINBIRD 200-PEB-PRS, SIZE 2". SEE PARKS DDD DRAWING NO. 2703.

IRRIGATION CONTROLLER, RAINBIRD ISC-24-B PLUS, TWENTY FOUR STATION CONTROLLER IN MATERIALS INC., MS-MC-1, PRE-CAST CONCRETE ENCLOSURE. SEE DETAIL ON SHEET 30.

LATERAL PIPING, SCHEDULE 40 PVC.

A = .75"
B = 1"
C = 1.25"
D = 1.5"
E = 2"
F = 2.5"

BUBBLER ASSEMBLIES, RAINBIRD 1400 SERIES, PRESSURE COMPENSATING. SEE PARKS DDD DRAWING NO. 2710 AND 2711.

MODEL NO.	GPM	PSI	APPLICATION
1404	1.15	30	BUBBLER IN NATIVE AREA
1404	1.15	30	BUBBLER IN GRASS AREA

FIXED SPRAY POP-UP LAWN SPRINKLER ASSEMBLIES, RAINBIRD 1804-SAM WITH PRS SCREENS. SEE PARKS DDD NO. 2709.

NOZZLE	AREA OF COVERAGE	GPM	PSI	PR
VAN	45" RADIUS	.47	30	1.58
B15-Q	14" RADIUS	1.00	30	1.97
B15-T	14" RADIUS	1.33	30	1.97
B15-H	14" RADIUS	2.00	30	1.97
15SST	4'X30' RECTANGLE	1.21	30	1.94

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RECORD DRAWING		
DATE: _____	DRFT BY _____	CHKD BY _____
MOLZEN-CORBIN & Associates ENGINEERS/PLANNERS/CONSULTANTS		 Albuquerque • New Mexico • Las Cruces

 IRRIGATION
DESIGN
SERVICES
P.O. BOX 26800 SUITE 200
ALBUQUERQUE, NEW MEXICO 87125
(505)-873-4729
ANTHONY (TONY) R. ULIBRARI
IRRIGATION CONSULTANT


 CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

ACCESS ROAD D

IRRIGATION PLAN STA. 32+00 TO 48+15.69

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTEWATER		
HYDROLOGY					

DRAWING NO.	4183	MAP NO. N-15	SHEET 30B OF 30
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