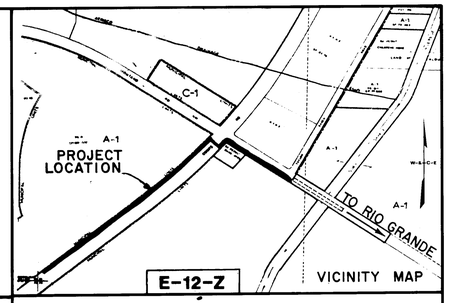
CITY OF ALBUQUERQUE, NEW MEXICO

PUBLIC WORKS DEPARTMENT



COORS ROAD AND MONTANO ROAD DRAINAGE IMPROVEMENTS MONTANO TO DELLYNE

INDEX

TITLE SHEET	1
GENERAL NOTES & LEGEND	2
STORM DRAIN PLAN & PROFILE	3-6
DETAIL SHEETS	7-8
TRAFFIC CONTROL PLAN	9
CROSS SECTIONS	10

NOTES

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 C.O.A. INTERIM STD. SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1985 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

NOTE:
PUBLIC WORKS DEPARTMENT AS SHOWN ON COVER SHEET SHALL APPLY TO ALL PLAN SHEETS.

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 1 6 3 0 1 8 9

REV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
1	23 & 26, 29		12/1/87				

APPROVAL OF REVISIONS

For Bu 6/14/87

RECORD DRAWINGS: This project was inspected by Tony Archuleta from the City of Albuquerque Inspection Dept. These drawing have been revised in Accordance with the As Built information furnished by Mr. Archuleta to reflect the Construction as actually accomplished in the field.

STEVEN J. METZ NEW MEXICO 8220 REGISTERED PROFESSIONAL ENGINEER 12-15-88

ROBERT L. SYKES NEW MEXICO 4681 REGISTERED PROFESSIONAL ENGINEER

WILSON & COMPANY ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

APPROVED FOR CONSTRUCTION
6-16-87

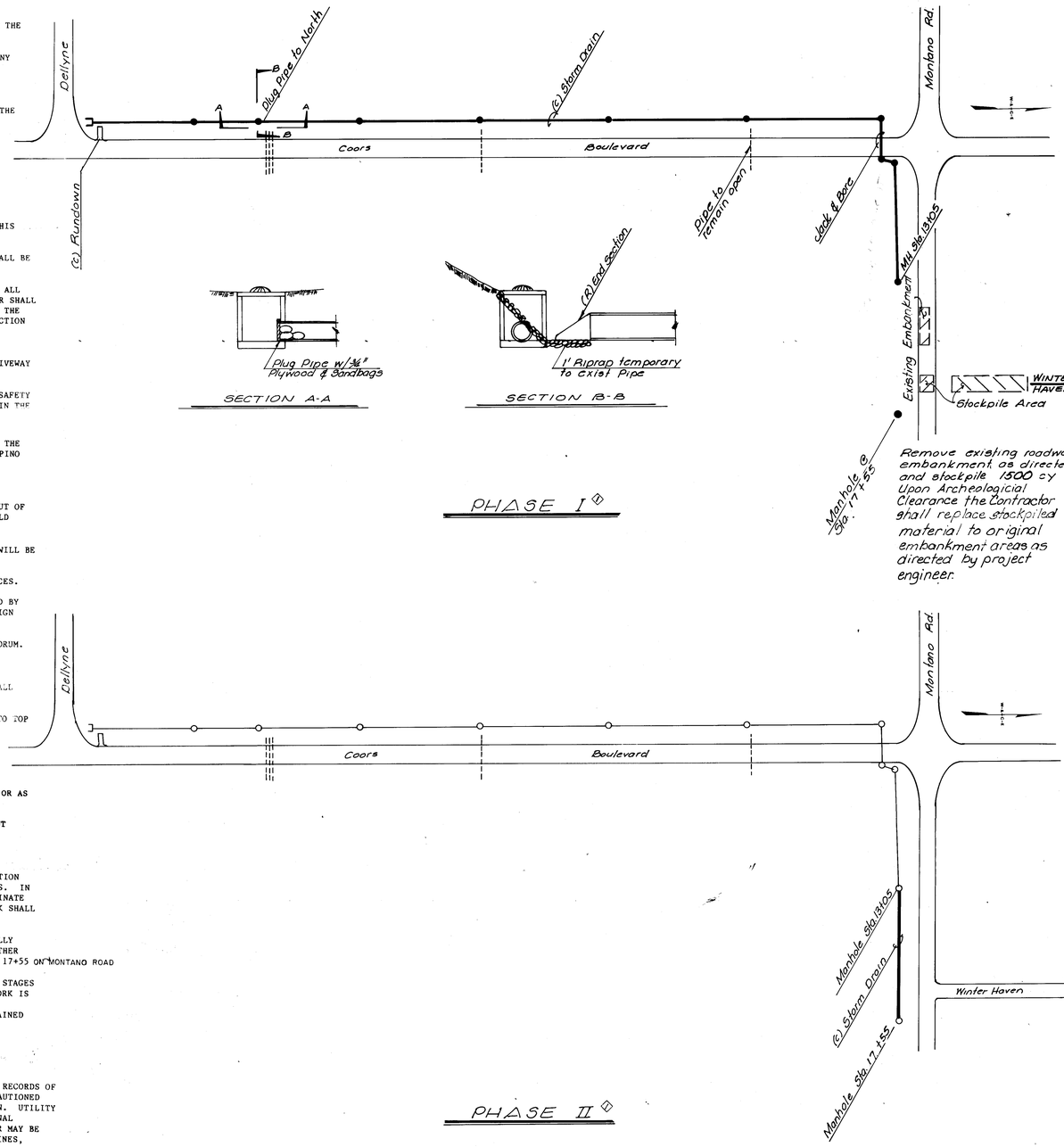
PROJECT No. 3163

SHEET 1 OF 10

85-517G

GENERAL NOTES

1. ALL UTILITY POLES ARE TO BE RELOCATED BY THE UTILITY COMPANY RESPONSIBLE.
2. 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 HIS EXPENSE.
3. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
4. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST JOINT.
5. ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY THE UTILITY COMPANY RESPONSIBLE FOR THOSE STRUCTURES.
6. DELETED
7. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
8. DELETED
9. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
10. SUBGRADE PREPARATION UNDER CURB AND GUTTER SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND SHALL BE INCLUDED IN THE BID PRICE FOR SUCH ITEMS.
11. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT, CONCRETE BARRIERS, AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
12. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
13. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY AND HEALTH STANDARDS (TITLE 29, CFR, PART 1926 AND PART 1910 AS APPLICABLE TO CONSTRUCTION WORK - PUBLISHED IN THE FEDERAL REGISTER ON FEBRUARY 9, 1979).
14. ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK. CALL CITY PINO YARD-TRAFFIC SHOP (823-4008).
15. FIRE ALARM CABLES ARE TO BE ADJUSTED BY THE FIRE DEPARTMENT PERSONNEL. FOR INFORMATION CALL 243-6604.
16. EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY THE CONTRACTOR, AND THAT IS OUT OF ALIGNMENT OR DISPLACED VERTICALLY OR IS BADLY BROKEN OR DETERIORATED WILL BE REPLACED AS DIRECTED BY THE FIELD ENGINEER, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
17. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION AT LEAST 2 WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.
18. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT EDITION OF MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
19. ALL TRAFFIC CONTROL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS FOR EACH PHASE OF THE WORK AS DIRECTED BY THE FIELD ENGINEER. ALL SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE FIELD ENGINEER. SIGN HEIGHT SHALL BE 7 FT. ABOVE THE SIDEWALK LEVEL TO THE BOTTOM OF SIGN.
20. ALL DRUMS USED FOR TRAFFIC CONTROL MAY BE FILLED WITH SAND OR WATER BALLAST LIMITED TO 100 LBS. MAXIMUM PER DRUM.
21. THE CONTRACTOR SHALL MAINTAIN AND KEEP OPEN ONE ACCESS TO LOCAL BUSINESSES AT ALL TIMES.
22. ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS, TYPE A, EXCEPT ALL CHANNELIZING BARRICADES SHALL HAVE STEADY BURNING WARNING LIGHTS, TYPE C.
23. ALL WATER LINES CONSTRUCTED AS A PART OF THIS PROJECT SHALL HAVE A MINIMUM OF 48" COVER FROM FINISHED GRADE TO TOP OF PIPE.
24. DELETED.
25. DELETED.
26. CONCRETE BLOCKING WILL BE INSTALLED AS REQUIRED AND IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER.
27. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY IN ACCORDANCE WITH FINISHED PAVEMENT ELEVATIONS.
28. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
29. WARNING: THE CITY SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY CLEARANCE FROM THE STATE HISTORICAL PRESERVATION OFFICER (SHPO) FOR THE TAYLOR RANCH SITE AND ANY OTHER ARCHAEOLOGICAL SITES LOCATED WITHIN THE PROJECT LIMITS. IN THE EVENT THE CONTRACTOR ENCOUNTERS A PREVIOUSLY UNDISCOVERED ARCHAEOLOGICAL SITE, THE CONTRACTOR SHALL TERMINATE ALL FURTHER OPERATIONS IN THE IMMEDIATE AREA UNTIL THE SHPO HAS HAD THE OPPORTUNITY TO SURVEY THE SITE. WORK SHALL NOT RESUME UNTIL THE SHPO HAS DETERMINED THAT NO FURTHER ARCHAEOLOGICAL INVESTIGATION IS NECESSARY. THIS TERMINATION SHALL NOT PRECLUDE CONTINUATION OF WORK IN OTHER AREAS NOR SHALL IT ENTITLE THE CONTRACTOR TO ADDITIONAL PAYMENT IN ANY FORM, OTHER THAN A POSSIBLE EXTENSION OF TIME, UNLESS THE CONTRACTOR IS SUBSTANTIALLY PRECLUDED FROM WORKING ON THE ENTIRE PROJECT. THE ENGINEEER, WITH CONCURRENCE OF THE SHPO, WILL DETERMINE OTHER AREAS WHERE THE CONTRACTOR MAY CONTINUE TO WORK. NO PROJECT WORK BETWEEN THE MANHOLES AT STATIONS 13+05 AND 17+55 ON MONTANO ROAD SHALL BE STARTED UNTIL ALL OTHER WORK ON THE PROJECT HAS BEEN COMPLETED OR UNTIL SUCH TIME AS ARCHAEOLOGICAL CLEARANCE OF THE TAYLOR RANCH SITE HAS BEEN OBTAINED. BETWEEN STATIONS 9+30 AND 13+67, INITIAL EARTH MOVING STAGES OF CONSTRUCTION SHALL BE CONDUCTED UNDER THE DIRECTION AND SURVEILLANCE OF THE CITY'S ARCHAEOLOGIST AND NO WORK IS TO COMMENCE IN THIS AREA UNTIL THE ARCHAEOLOGIST IS PRESENT. REFER TO PHASING DIAGRAM ON THIS SHEET. ALL ENVIRONMENTAL, ARCHAEOLOGICAL AND LEGAL CLEARANCES THAT MAY BE REQUIRED FOR THE BORROW PIT SITE SHALL BE OBTAINED BY THE CONTRACTOR.
30. DESIGN FLOWS (Qs) ARE BASED ON THE "NORTH COORS DRAINAGE MANAGEMENT PLAN" DONE BY SCALON & ASSOCIATES FOR AMAFCA IN OCTOBER 1984.
31. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAVE BEEN OBTAINED FROM THE OWNERS OF THE UTILITIES, FROM RECORDS OF THE CITY OF ALBUQUERQUE, AND FROM FIELD OBSERVATIONS. THESE MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR IS CAUTIONED THAT HE IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND FOR PROTECTION OF ALL LINES DURING CONSTRUCTION. UTILITY RELOCATIONS REQUIRED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE COORDINATED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. ANY DAMAGE TO LINES, VALVES, METERS, ETC., WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.



NOTE
Sandbagging of inlets and temporary plugs (new lines) shall remain until storm drain from Sta. 13+05 to Sta. 17+55 is installed. When storm drain is complete the existing pipes under Coors Blvd. will be plugged. To be paid for as "Temporary Sandbagging, Plugging and Riprap" by the "Lump Sum".
This item will only be required if the archaeological clearance is not done prior to the storm drain construction.

LEGEND

EXISTING UTILITIES		NEW
—G—	GAS	
—W—	WATER	
—SAS—	SANITARY SEWER	
—SD—	STORM DRAIN	
MH	MANHOLE	
WV	WATER VALVE	
	UTILITY POLE	
LP	LIGHT POLE	
FH	FIRE HYDRANT	
CB	CATCH BASIN	
TS	TRAFFIC SIGNAL	
—UT—	UNDERGROUND TEL. CABLE	
PB	PULL BOX	
SP	SIGN POST	
TCB	TRAFFIC CONTROL BOX	
WM	WATER METER	
—UE—	UNDERGROUND ELEC. CABLE	
—CATV—	UNDERGROUND CABLE T.V.	

NOTE: EXISTING FACILITIES ARE DASHED

PLAN

CONCRETE DRIVEPAD TO BE CONSTRUCTED	W =
VALLEY GUTTER TO BE CONSTRUCTED	
CONCRETE SIDEWALK TO BE CONSTRUCTED	
PAVEMENT TO BE REMOVED	
CONCRETE MEDIAN PAVEMENT TO BE CONSTRUCTED	

REMOVE	(R)
CONSTRUCT	(C)
INSTALL	(I)
FLOWLINE	FL
CITY OF ALBUQUERQUE	C.O.A.
PAVEMENT GRADE	PG
TOP OF CURB	TC

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATES CONST. DATE 4-88
WORK STAKED BY Benavidez Surveying
INSPECTOR
ACCEPTANCE BY C of A DATE 10-88
FIELD VERIFICATION BY C of A DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co. DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A Brass Tablet Stamped "NM 448-6A" In The Median To The Entrance Of The La Luz Condominium. El = 5058.89

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
86-5173	Wilson & Co.	12-86

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
2	12/1/87	Revised General Note No. 29	SFP
1	12/1/87	Added Phasing Sequence & Diagram	SFP

REVISIONS

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 1 6 3 0 2 8 9

WILSON & COMPANY ENGINEERS & ARCHITECTS
DESIGNED BY MPS DATE
DRAWN BY MPS DATE
CHECKED BY SFP DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

MONTANO ROAD GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	12/2/87	Liquid Waste	WJW	5-14-87
ACE-Design	[illegible]	6/1/87	Traffic	WJ Dwt	5/14/87
A.C.E.-Hydrology	[illegible]	6/3/87	Water	WJW	5-14-87

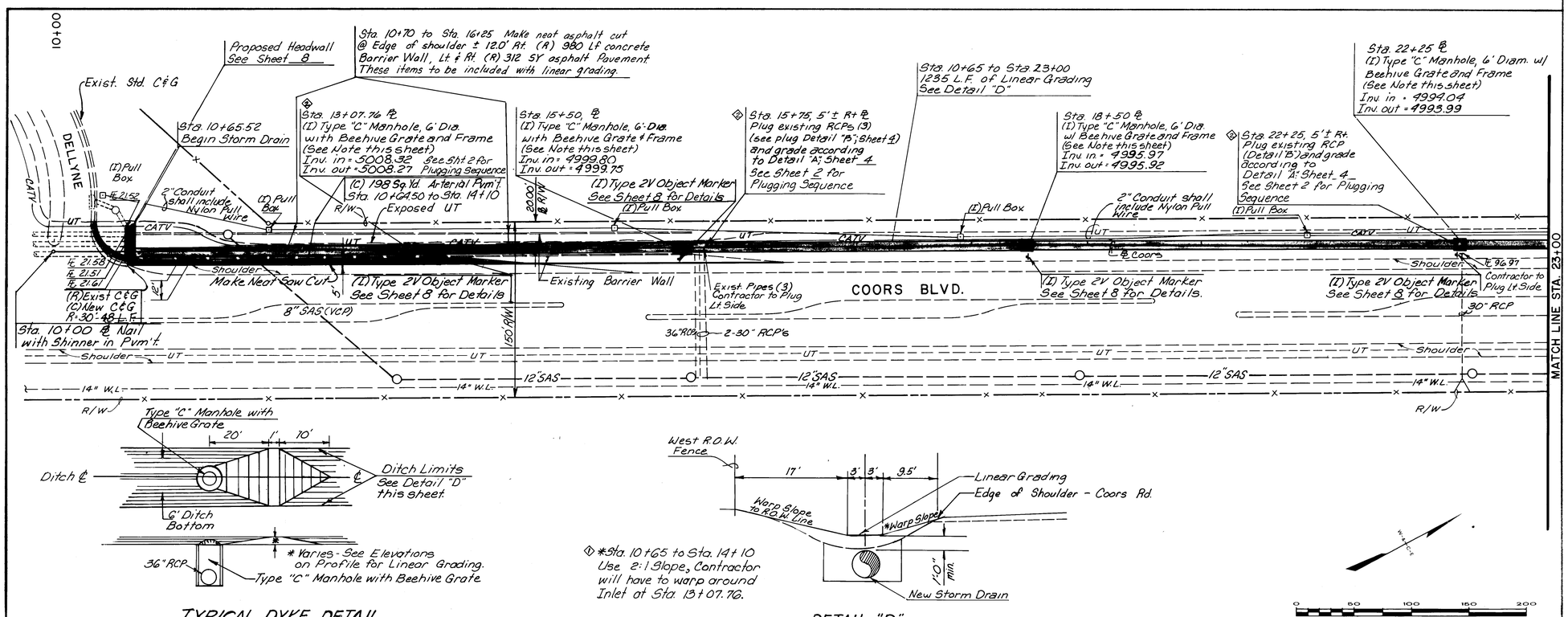
DRAWING NO. 3163 | MAP NO. | SHEET 2 OF 10

WILSON & COMPANY ENGINEERS ARCHITECTS ALBUQUERQUE NEW MEXICO

85 5176

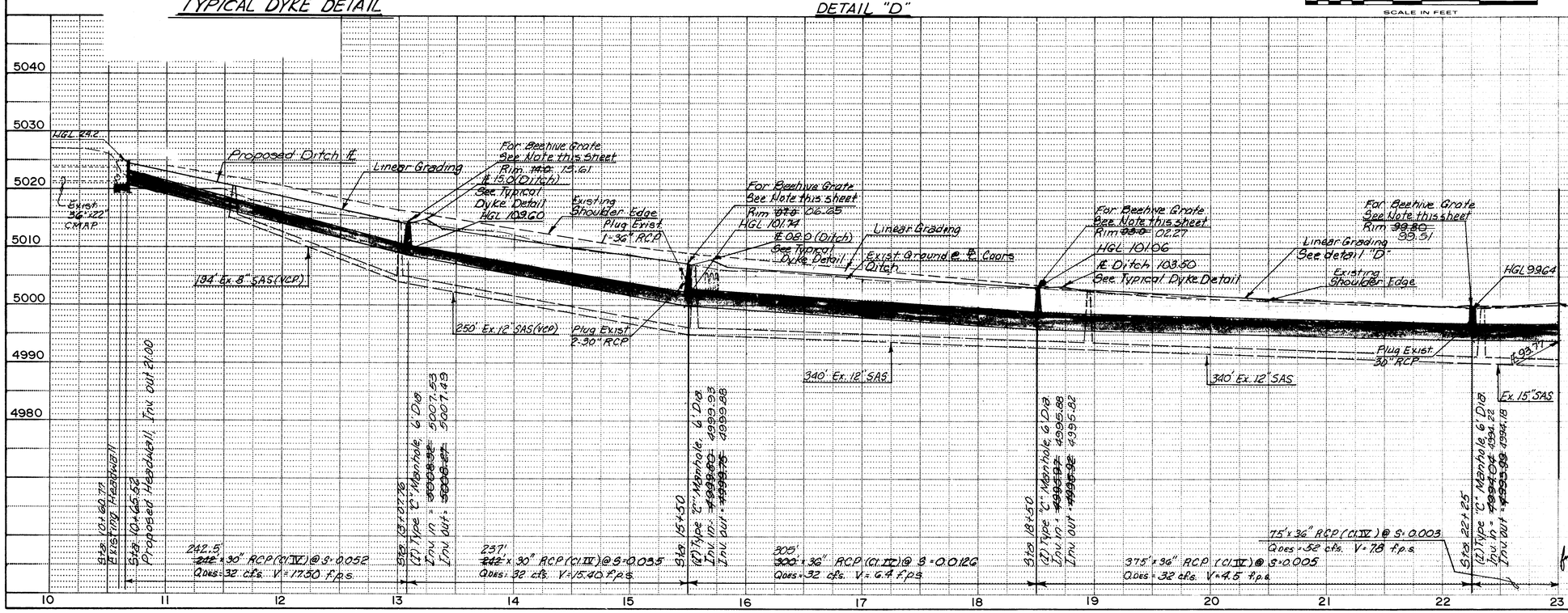
AS BUILT DRAWING 12-15-88

NOTE:
For Construction Phasing/ Sequence. See Sheet 2



TYPICAL DYKE DETAIL

DETAIL "D"



Note:
Manhole Frames and Covers shall be "High Beehive Grate and Frame" type. Neenah Foundry Company Type R-2561-A with Security Bolted system, or equal. See Beehive Grate Detail Sheet 7.

NO.	DATE	REVISIONS	BY
2	12/1/87	Added Note to Refer to Plug Seq. Sht 2	SFP
1	12/1/87	Added Note for Inlet Sta. 13+07.76	SFP

WILSON & COMPANY, ENGINEERS & ARCHITECTS			
DESIGNED BY	KSG	DATE	12 / 86
DRAWN BY	JHJ	DATE	1 / 87
CHECKED BY	WFB	DATE	2 / 87

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATES CONST.
WORK STAKED BY Benavidez Surveying DATE 4-88
INSPECTORS
ACCEPTANCE BY C of A DATE 10-88
FIELD VERIFICATION BY C of A DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A. Brass Tablet Stamped "NM448-G4" in the median to the entrance to the La Luz condominium
Elev. 5058.89

SURVEY INFORMATION
NO. FIELD NOTES BY DATE
85-5176 Wilson & Co. 12-86

ENGINEER'S SEAL
ROBERT E. STACY JR. NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

COORS BLVD. STORM DRAIN
MONTANO TO DELLYNE

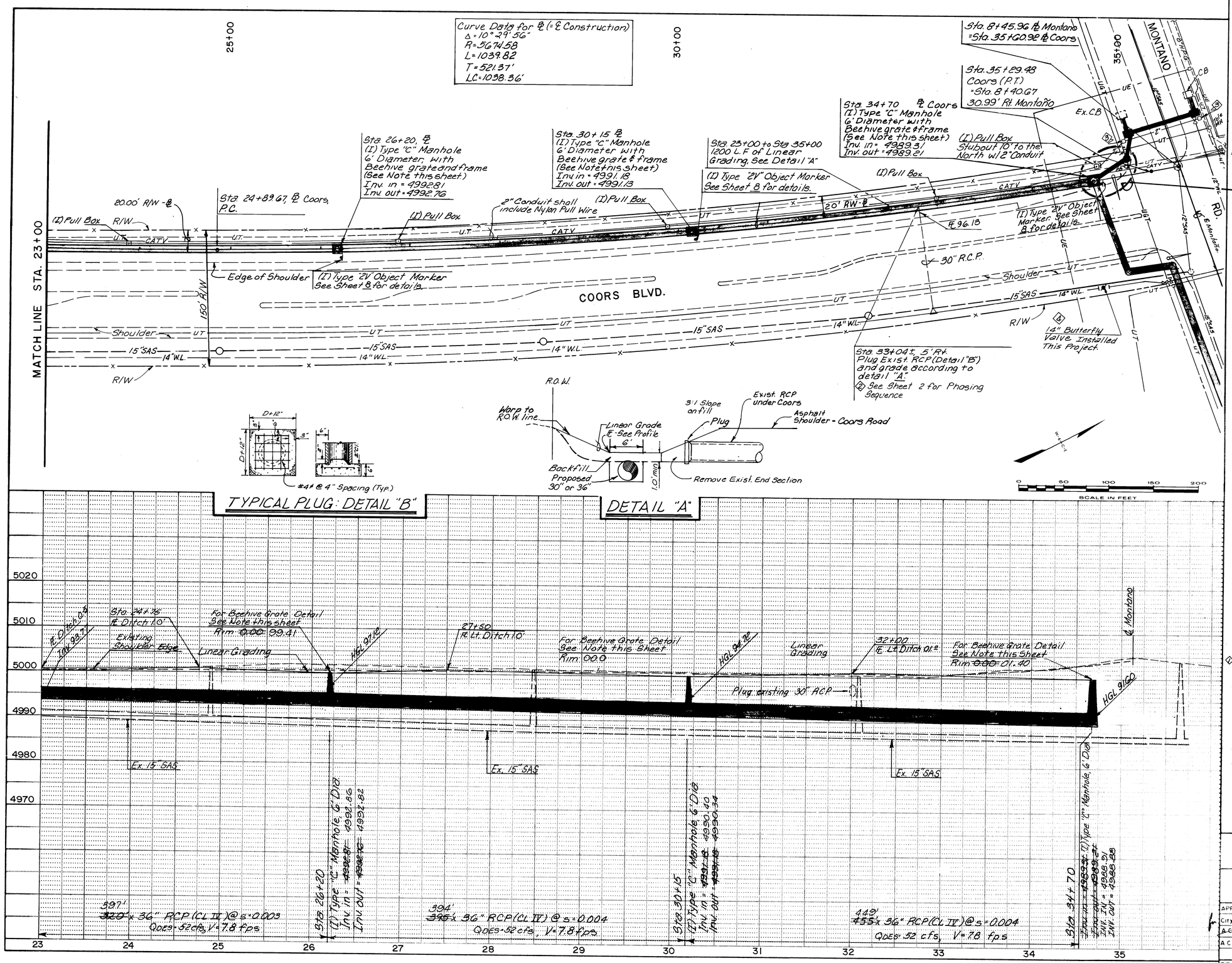
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/12/87	Liquid Waste	WW	5-14-87
A.C.E. - Design	[illegible]	6/15/87	Traffic	NA DWH	5/14/87
A.C.E. - Hydrology	WLS	6/9/87	Water	WW	5-14-87

DRAWING NO.	MAP NO.	SHEET	OF
3163	E-12	3	10

WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

12-15-88

85-5176



① NOTE:
CATV shown on plans will be relocated prior to construction by CATV. The new alignment will be just east of the West R/W Line of Coors Blvd.

Note:
Manhole Frames and Covers shall be High Beehive Grate and Frame type.
Neenah Foundry Co. type R-2561-A with Security Bolted System or equal.

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 1 6 3 0 4 8 9

NO.	DATE	REVISIONS	BY
1	1 1	Add 14" Butterfly Valve Add Pull Boxes & 2" Conduit By T. Archuleta	SFP
2	12/1/87	Added Phasing Sequence Note	SFP
3	12/1/87	Added Utility Notes	SFP

WILSON & COMPANY, ENGINEERS & ARCHITECTS
ENGINEER: KSG DATE 12/86
DRAWN BY: JHJ DATE 1/87
CHECKED BY: WFB DATE 2/87

ENGINEER'S SEAL
ROBERT F. STRATE
NEW MEXICO

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATES CONST.
WORK STAKED BY Benavidez Surveying DATE 4-88
INSPECTOR
ACCEPTANCE BY City of A DATE 10-88
FIELD VERIFICATION BY City of A DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co. DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A.3 "14" Aluminum Tablet Stamped "NM 448-N1" 1984" Set flush with the North Concrete Median Nose at the intersection of Coors Blvd. and Montano Rd. Elev. 5004.41

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
85-5176 Wilson & Co. 12-86

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

COORS BLVD. STORM DRAIN
MONTANO TO DELLYNE

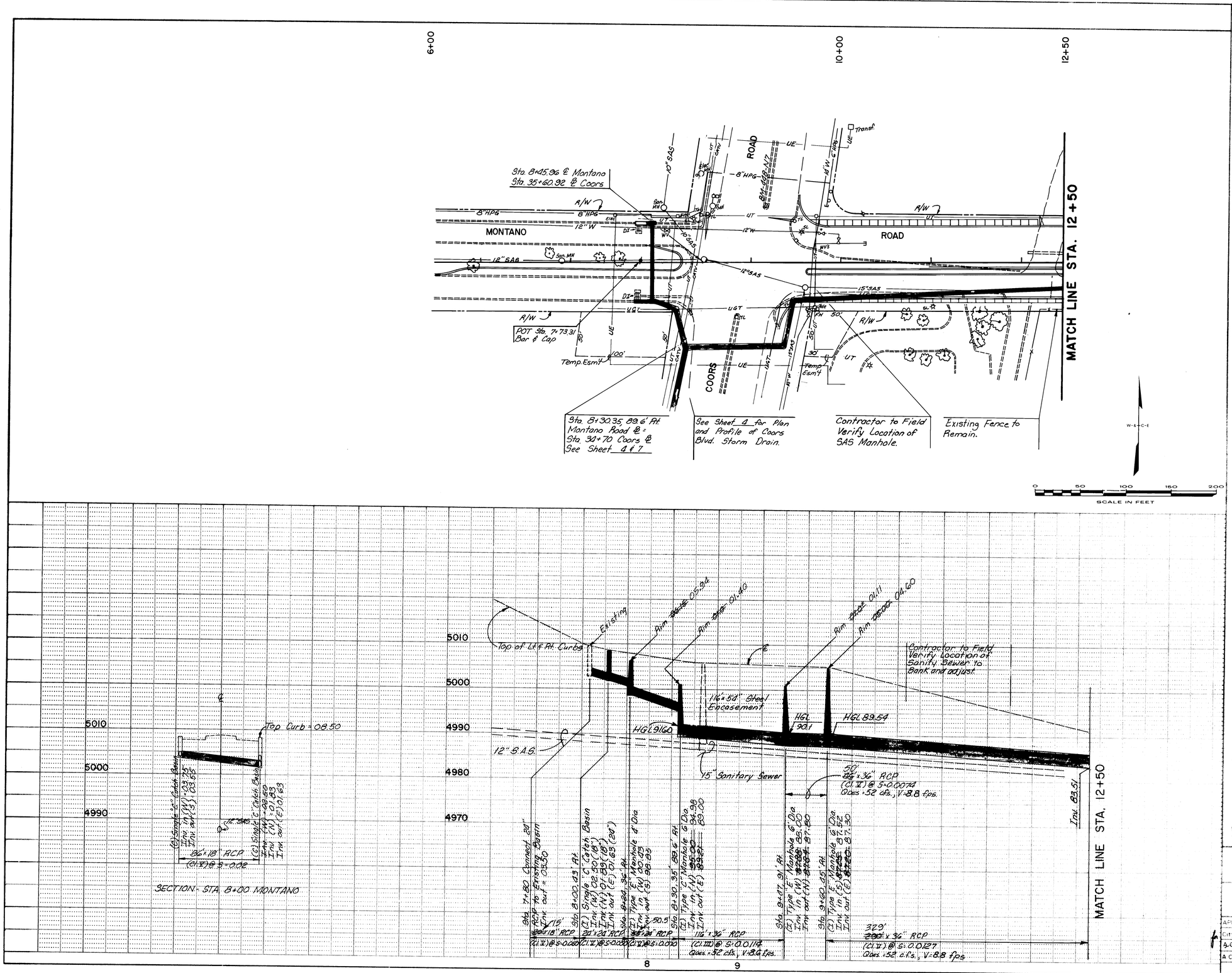
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/16/87	Liquid Waste	WW	5-19-87
A.C.E. Design		6/16/87	Traffic	DWH	5/14/87
A.C.E. - Hydrology		6/9/87	Water	WW	5-19-87

DRAWING NO. 3163 | MAP NO. E-12 | SHEET 4 OF 10

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

85-5176

12-15-88



SEE SHEET 7 FOR INTERSECTION PLAN.

AS BUILT INFORMATION
IN NA 27 MOUNTAIN STATES COAST.
PLANS BY Benavidez Surveying 4-88
ASBUILT PLANS BY C of A DATE 10-88
FIELD VERIFICATION BY WA DATE 10-88
REVISIONS CORRECTED BY Wilson & Co. DATE 12-88
MICROFILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A 3 1/4" ALUMINUM TABLET STAMPED "NM 448-N7, 1984" SET FLUSH WITH THE NORTH CONCRETE MEDIAN NOSE AT THE INTERSECTION OF COORS RD. & MONTANO RD. N W
ELEV. = 5006.41

85-517G	Wilson & Co.	DATE 12-86

1 2 3 4 5 6 7 8 9 10 11 12
26 3 1 6 3 0 5 8 9

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

COORS BLVD. STORM DRAIN MONTANO TO DELLYNE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/16/87	Liquid Waste		5-14-87
A.C.E.-Design		6/16/87	Traffic		5/14/87
A.C.E.-Hydrology		6/2/87	Water		5-14-87

DRAWING NO	MAP NO	SHEET 5 OF 10
3163	E-12	

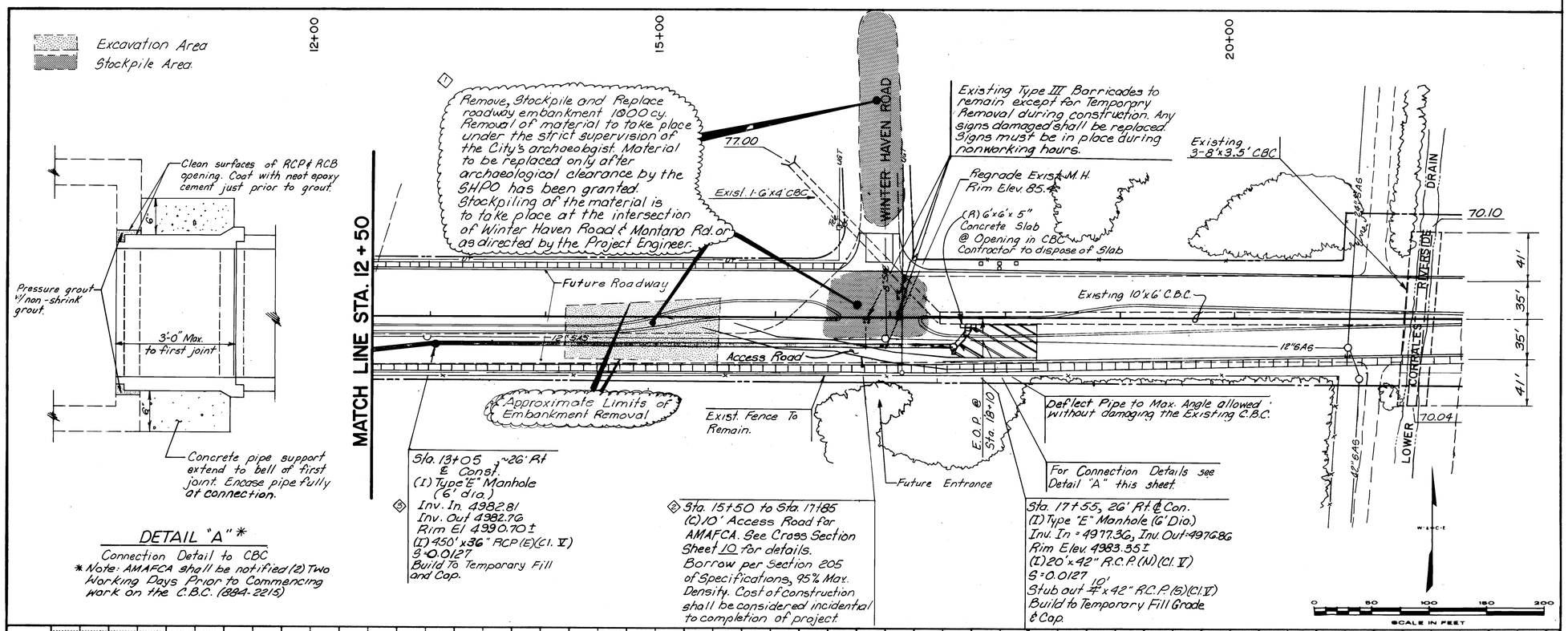
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

85-517 G

12-15-88

REVISIONS	BY

WILSON & COMPANY ENGINEERS & ARCHITECTS	DATE
DESIGNED KSG	12 / 86
DRAWN MDJJ	1 / 87
REVIEWED WFB	2 / 87



SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	
85-517G	Wilson & Co.	12-86	

ENGINEER'S SEAL

ROBERT F. SYKES NEW MEXICO LICENSED PROFESSIONAL ENGINEER

AS BUILT INFORMATION	
CONTRACTOR MOUNTAIN STATES CONST.	
WORK STAKED BY Bernardez Surveying	DATE 6-88
INSPECTORS DATE FINAL ACCEPTANCE BY C of A	DATE 10-88
FIELD VERIFICATION BY C of A	DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co.	DATE 12-88
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
A 3 1/4" ALUMINUM TABLET STAMPED "NM 448-N 1984" SET FLUSH WITH THE NORTH CONCRETE MEDIAN NOSE AT THE INTERSECTION OF COORS RD. & MONTANO RD. NW	
ELEV. = 5006.41	

NO.	DATE	REMARKS	BY
3	12/1/87	Corrected Invert Elevations	SFP
2	12/1/87	Changed Proportion of Pipe to Installed at Project	SFP
1	11/1/87	Added Excavation and Stockpile Limits	SFP

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY SJM DATE
DRAWN BY RAG DATE
CHECKED BY SJM DATE

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 1 7 1 8 7

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

MONTANO ROAD
STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/17/87	Liquid Waste		5-14-87
A.C.E.-Design		6/1/87	Traffic	NADWH	5/14/87
A.C.E.-Hydrology		6/9/87	Water		5-14-87
AMAFCA Engineer		24 Aug 87			

DRAWING NO.	MAP NO.	SHEET 6 OF 10
3163	E-12	

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

85-517G

12-15-88

SEE SHEET 5 FOR PROFILE

Sta. 7+80 to 8+30.35 Montano Road
(R) 140 L.F. Existing 18" CMP - PLUG LT. SIDE
(R) & (C) 80 L.F. Standard Curb & Gutter
(R) & (C) 95 SY Arterial Pavement
(R) & (C) 20 L.F. Mountable Curb - Roll Type
(R) & (C) 38 SY Patterned Concrete Median Pavement
(C) 2 - Single Type "C" Catch Basins (8+00, Lt. & Rt.)
(I) 40' x 18" RCP (Cl. V) - Connect Existing Catch Basins
(2) to new Type "C" Catch Basins
82.5' (I) ~~36'~~ x 18" RCP (Cl. V) - Connect New Type "C" Catch Basins
(I) 4' Dia. Type "E" Manhole (8+26, 56' Rt.)
(I) 24" x 24" RCP (Cl. V) - Connect Type "C" Catch Basin to New Manhole
Clean Debris from 2 - Existing Catch Basins

Sta. 8+45.96 ℄ Montano = Sta. 35+60.92 ℄ Coors

Sta. 9+60, 43' Rt.
(I) 6' Dia. Type "E" Manhole
See Sheet 5 for Profile

Sta. 9+70 ±
(R) & (I) 1-6" Valve & Fire Hydrant
(R) + (I) 1-14" Value
(R) & (I) 30 LF 14" Water line above Storm Drain

Existing ~~(18)~~ 30' x 18" CMP
Inv. in = 03.75
Inv. out = 03.55
Inv. Out = 04.15
Tel MH
CB
Plug
POT Sta. 7+73.31 Bar & Cap
12" SAS
106' R/W
MONTANO
ROAD
Montano Road ℄
9+00
12" SAS
Existing 2½" PVC Conduit
50.5'
(I) ~~42~~ x 24" RCP (Cl. V) See Sheet 5
Pull Box
Tel. Box
Sign
Inv. W = 02.50
Inv. N = 01.83
Inv. Out (E) = 01.63
Inv. Out = 03.50
(R) & (I) 2-6' x 40' Traffic Loop Detectors
Temp Const. Esmnt.
Flagpole
(R) Exist. 18" CMP 110 L.F.
(I) Type "C" Manhole with Beehive Grate & Rip Rap See Sheet 4
See Note #1 this sheet for Construction Details at this location.
Coors Rd. ℄
COORS
150' R/W
2" Conduit
ROAD
Contractor to be field Verify location SAS
(I) 329' ~~290'~~ x 36" RCP (Cl. V) See Sheet 5
15" SAS
Tel. Ped.
50'
(I) ~~48'~~ x 36" RCP (Cl. V) See Sheet 5
Temp Const. Esmnt.
30' ±
14" W
Sta. 8+30.35, 89.6' Rt. to 9+47, 91' Rt.
Jack & Bore 116' x 54" Steel Encasement per C.O.A. Std. Dwg. W-6. See Sheet 5 for Profile
(I) 116' x 36" RCP (Cl. III) with Skids
(I) 1 - Type "E" Manhole (6' Dia.)
Sta. 9+47, 91' Rt.

Sta. 10+00 to 12+05, 70' Lt.
Exist. Temp. Asphalt Connection Match with Existing Pavement

Sta. 11+04, 48' Rt.
Remove & Replace light Pole outside of right-of-way As directed by Project Engineer.

Contractor shall replace any landscaping that he damages outside of right-of-way as incidental work.

Sta. 11+28 ±
(R) & (I) 27' x 18" CMP
(R) & (C) 54 SY Res Pavement

Sta. 12+04 ±
(R) & (I) 43' x 18" CMP
(R) & (C) 67 SY Res Pavement

MATCH LINE STA. 12+50

First National Bank

W-E-C-E

Scale = 1" = 20'

NOTES

1. Possible relocation of underground Telephone cables, Television cables, Electric conduit and Traffic conduit & Poles shall be coordinated with Mountain Bell, Jones Intercable, PNM and City Traffic Engineering Respectively.
2. One Access to the First National Bank shall be kept open and maintained at all times.
3. Locate and adjust sanitary sewer and water service to First National Bank.
4. Contractor shall replace fence, flagpole & signs to original condition if moved for construction.

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATES CONST.
WORK STAKED BY Agnevedez Surveying DATE 4-88
INSPECTOR'S ACCEPTANCE BY C of A DATE 10-88
FIELD VERIFICATION BY C of A DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co. DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A 3 1/4" Aluminum Table Stamped "NM 448-N7, 1984 Set Flush With The North Concrete Median Nose At The Intersection Of Coors Blvd. & Montano Rd.. El. = 5006.41

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
85-5176	Wilson & Co.	12-86

ENGINEER'S SEAL
ROBERT F. SYKES NEW MEXICO 4651 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
4	12/1/87	Revised Note	SFP
3	12/1/87	Added "UT" Locations, Delete Temp Pavement	SFP

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY WFB DATE 3-87
DRAWN BY MDJJ DATE 3-87
CHECKED BY SFP DATE 3-87

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 1 6 3 0 7 8 9

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

MONTANO RD. / COORS BLVD.
INTERSECTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	6/12/87	Liquid Waste	WW	5-14-87
A.C.E.-Design	[signature]	6/1/87	Traffic	NH DWH	5/14/87
A.C.E.-Hydrology	W. L. B.	6/3/87	Water	WW	5-14-87

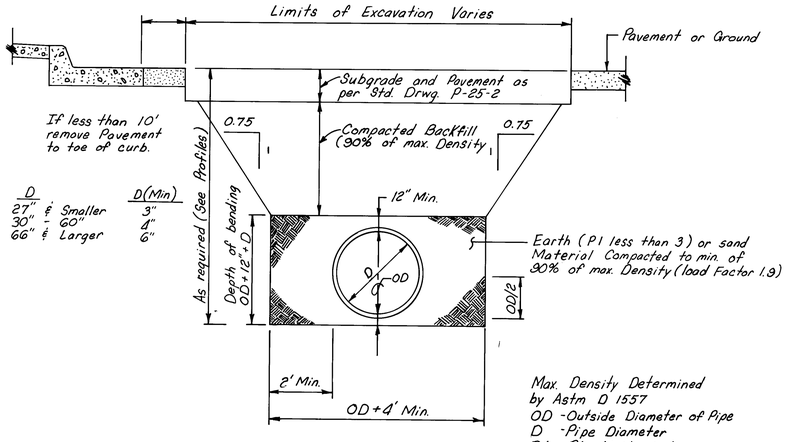
for

DRAWING NO.	MAP NO.	SHEET
3163	E-12	7 OF 10

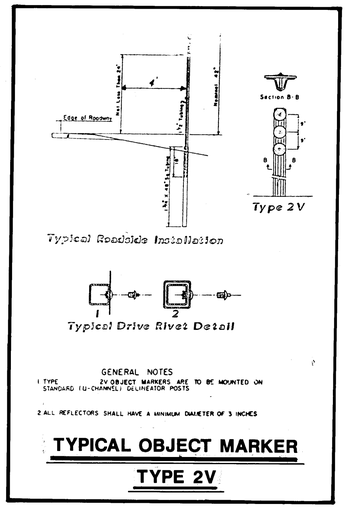
WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

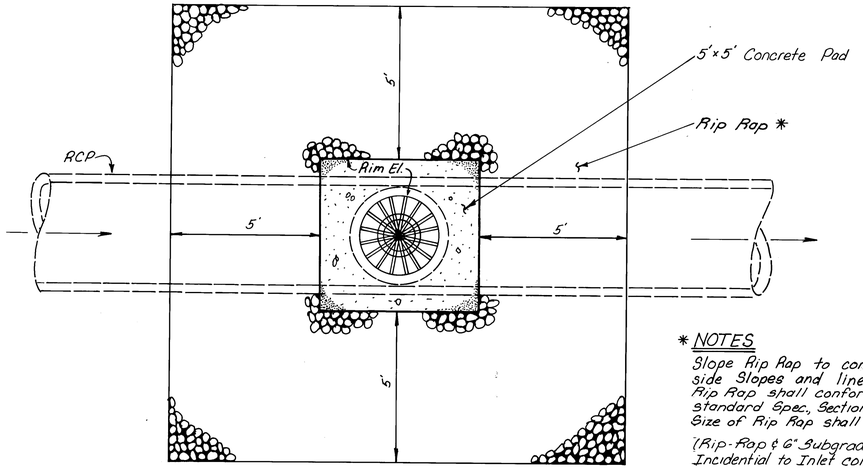
85-5176

12-15-88



TYPICAL TRENCH EXCAVATION AND BEDDING



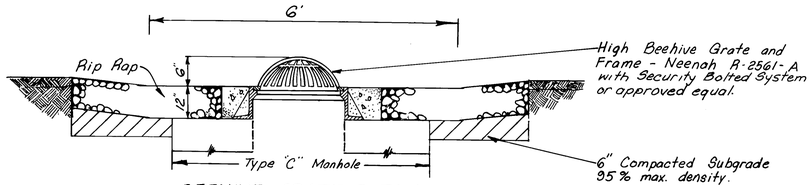


PLAN

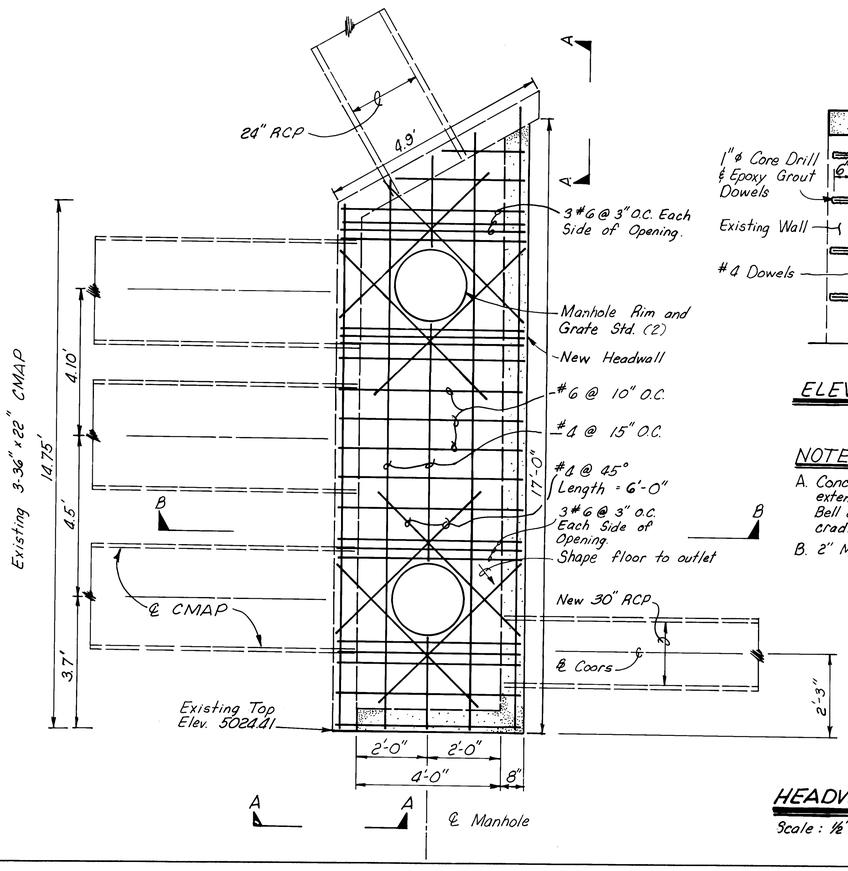
* NOTES

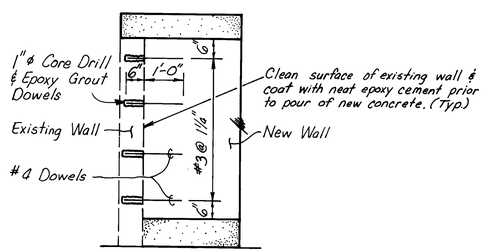
Slope Rip Rap to conform with side Slopes and linear grade lines.
Rip Rap shall conform to City standard Spec., Section 103.
Size of Rip Rap shall be Type "L" (Light).

(Rip-Rap & 6" Subgrade shall be considered Incidential to Inlet construction.)



BEEHIVE GRATE DETAIL





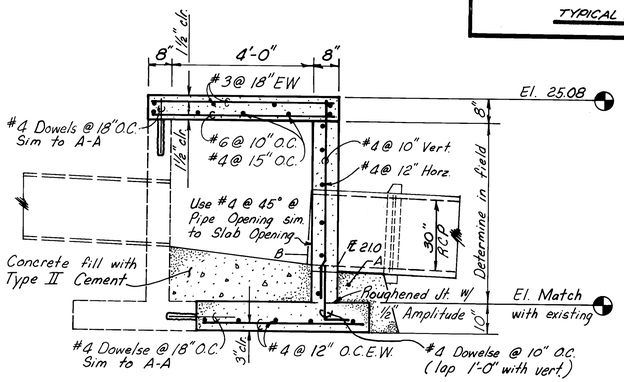
ELEVATION A-A

NOTES

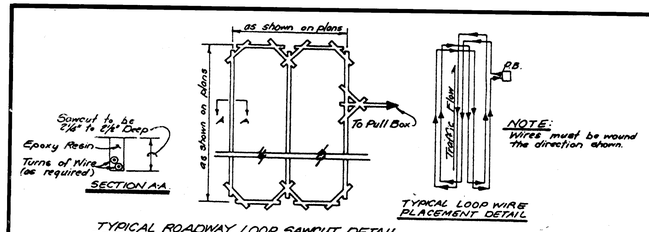
A. Concrete pipe supports shall extend outside of Manhole to Bell of first joint and shall cradle pipe to spring line.
B. 2" Max. Pipe Penetration.

HEADWALL STRUCTURE DETAIL

Scale: ½" = 1'-0"



SECTION B-B



TYPICAL ROADWAY LOOP SAWCUT DETAIL

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATE CONS. DATE 6-88
WORK BY Rodriguez Surveying DATE 6-88
STAKED BY DATE
INSPECTORS INITIALS
FIELD VERIFICATION BY C of A DATE 10-88
MAPS CORRECTED BY Wilson & Co. DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A ⅜" Aluminum Table Stamped "NM 448-N7, 1934" Set Flush With The North Concrete Median Nose At The Intersection Of Coors Blvd. & Montano Rd.
El. = 5016.41

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
85-517G	Wilson & Co.	12-86

ENGINEER'S SEAL

REMARKS | NO. | DATE | BY

REVISIONS

WILSON & COMPANY ENGINEERS & ARCHITECTS
DESIGNED BY SJM DATE
DRAWN BY MDJJ DATE
CHECKED BY SFP DATE

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 1 6 3 0 8 8 9

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

MONTANO ROAD
MISCELLANEOUS DETAILS

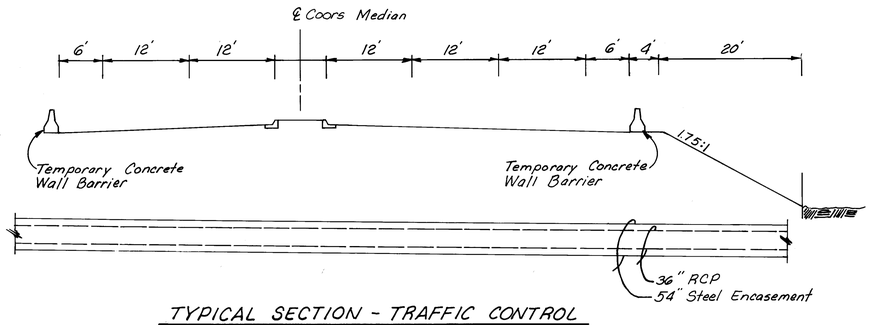
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/12/87	Liquid Waste		5-14-87
~~A.C.E.~~ Design		6/1/87	Traffic		5/14/87
A.C.E.-Hydrology		6/9/87	Water		5-14-87

DRAWING NO.	MAP NO.	SHEET
3163	E-12	8 OF 10

WILSON & COMPANY ENGINEERS ARCHITECTS ALBUQUERQUE NEW MEXICO

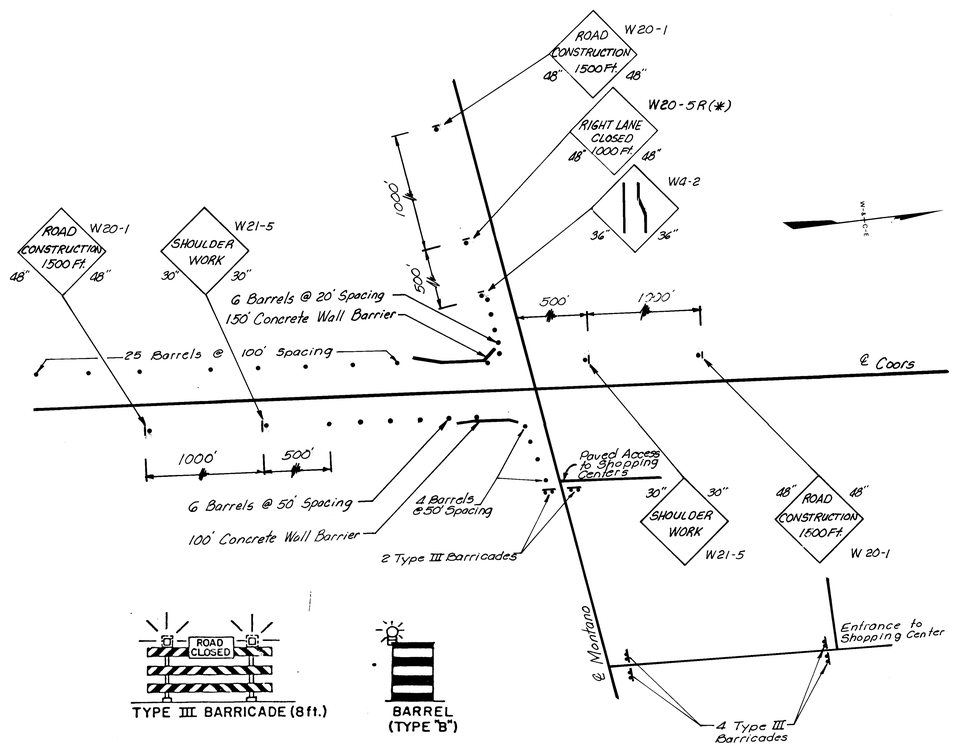
85-517G

12-15-88



TYPICAL SECTION - TRAFFIC CONTROL

Scale = 1" = 10'

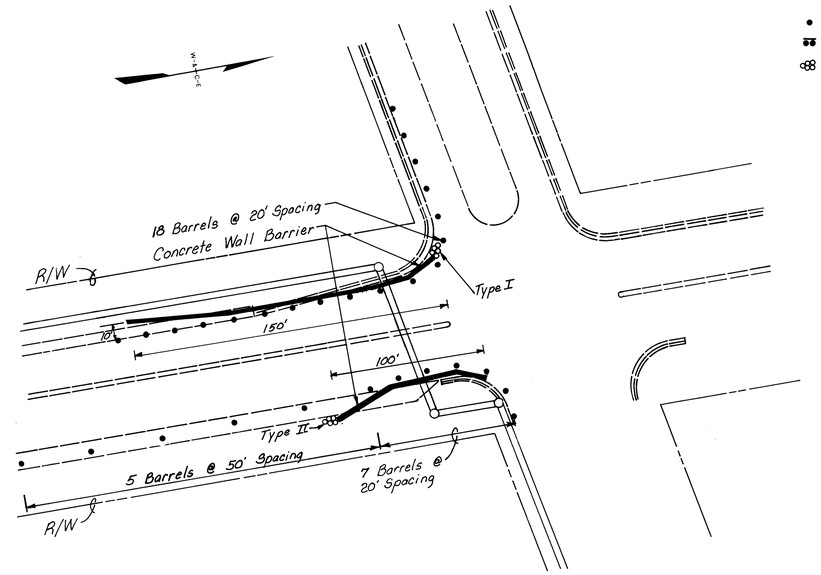


TYPE III BARRICADE (8 ft.)

BARREL (TYPE "B")

① CONSTRUCTION SIGNING LAYOUT

Not to scale

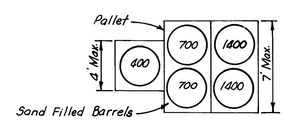


TRAFFIC CONTROL - LAYOUT

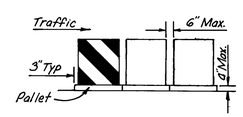
Scale = 1" = 50'

LEGEND

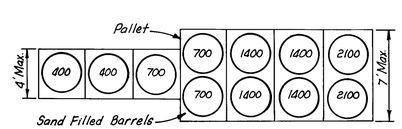
- Barrel
- Sign
- Impact Attenuator



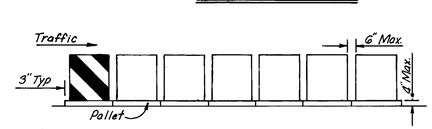
TOP VIEW TYPE I



SIDE VIEW TYPE I



TOP VIEW TYPE II



SIDE VIEW TYPE II

NOTES

1. All assembly, transportation to site, erection of the individual modules and the crash cushion as a whole shall be done in accordance with the manufacturers recommendations.
2. The color of the modules in an individual crash cushion shall be yellow unless otherwise indicated.
3. Sand shall be clean, dry granular sand.

TRAFFIC CONTROL NOTES

1. Coors Blvd. Traffic Lanes are not to be blocked by excavations, equipment, or materials at any time.
2. ② Montano Rd (West of Coors) is not to be closed to traffic at any time. If necessary, traffic can be detoured to one side of the median for short periods of time. The Contractor will be required to submit an appropriate barricading plan in order to obtain a permit for a temporary detour.

Weight of sand (lbs)	Height of cone (in.)		Module Diameter (in.)	Module Height (in.)
200	12.6"		35.7" TOP 27.9" BOTTOM	36.2"
400	18"		"	"
700	8.0"		"	"
1400	—		"	"
2100	—		35.7 TOP 30.25 BOTTOM	45.50"

MODULE COMPONENTS

1 2 3 4 5 6 7 8 9 10 11 12
36 3163 09 89

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

COORS BLVD. TRAFFIC CONTROL MONTANO TO DELLYNE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/12/87	Liquid Waste		5-14-87
A.C.E.-Design		6/1/87	Traffic		5/14/87
A.C.E.-Hydrology		6/9/87	Water		5-14-87
			Traffic Engineer		5-28-87

DRAWING NO.	MAP NO.	SHEET
3163	E-12	9 OF 10

WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

12-15-88

85-517G

AS BUILT INFORMATION
CONTRACTOR MOUNTAIN STATES CONST.
WORK STAKED BY MENDEZ SURVEYING DATE 2-88
INSPECTORS ACCEPTANCE BY C of A DATE 10-88
FIELD VERIFICATION BY C of A DATE 10-88
DRAWINGS CORRECTED BY Wilson & Co. DATE 12-88
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A 3 1/4" Aluminum Tablet Stamped 1914M 448-N7, 1984 Set Flush With The Northeast Corner Of Coors Blvd. & Montano Rd.
Elev. = 5006.41

SURVEY INFORMATION
FIELD NOTES

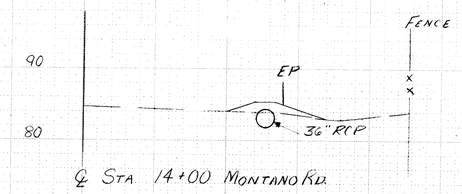
NO.	BY	DATE
86-517G	Wilson & Co.	12-86

ENGINEER'S SEAL
ROBERT F. SYKES NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 5681

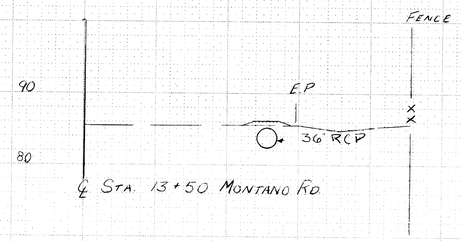
NO.	DATE	REMARKS	BY
2	12/1/87	Revised Traffic Control Note	SFP
1	12/1/87	Revised Construction Signing Layout	SFP

REVISIONS

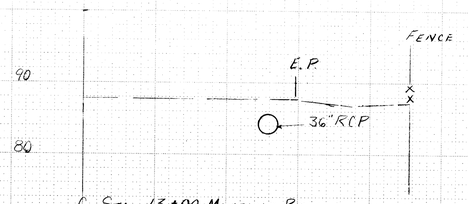
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SFP DATE
DRAWN BY MDJJ DATE
CHECKED BY SJM DATE



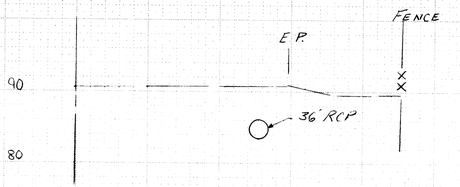
℄ STA. 14+00 MONTANO RD.



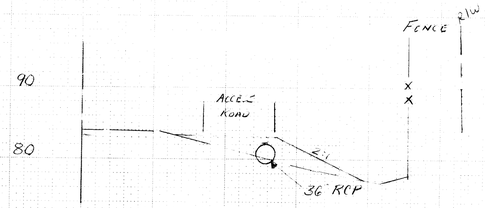
℄ STA. 13+50 MONTANO RD.



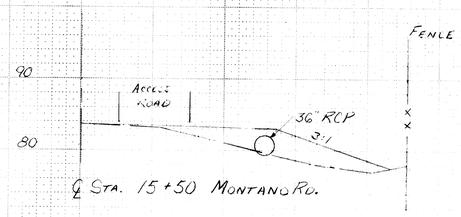
℄ STA. 13+00 MONTANO RD.



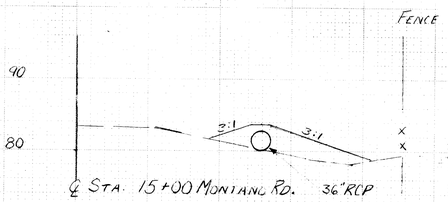
℄ STA. 12+50 MONTANO RD.



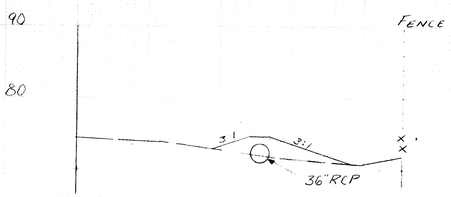
℄ STA. 16+00 MONTANO RD.



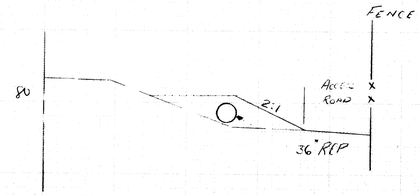
℄ STA. 15+50 MONTANO RD.



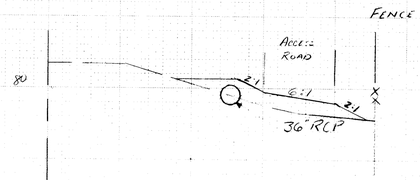
℄ STA. 15+00 MONTANO RD. 36" RCP



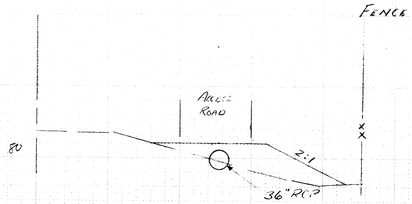
℄ STA. 14+50 MONTANO RD.



℄ STA. 17+50 MONTANO RD.



℄ STA. 17+00 MONTANO RD.



℄ STA. 16+50 MONTANO RD.

GENERAL NOTES

1. Contractor to maintain minimum cover over pipe of 1'.
2. Borrow Per Sections 205 of Specifications. (95% of Max. Density) Borrow shall be considered incidential to completion of Project.

LEGEND

— — Existing Ground

1	2	3	4	5	6	7	8	9	10	11	12
2	6		3	1	6	3	1	0	8	9	

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

CITY OF ALBUQUERQUE

TRANSPORTATION DEPARTMENT

MONTANO ROAD CROSS SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	3163	MAP NO.	SHEET 10 OF 10

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

12-15-88

85 - 5176