CONSTRUCTION PLANS

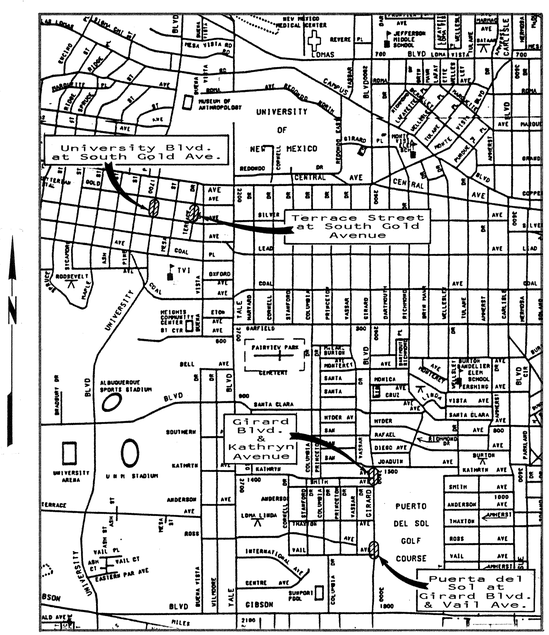
FOR

STORM DRAIN MODIFICATIONS

HYDROLOGY DIVISION

PUBLIC WORKS DEPARTMENT

CITY OF ALBUQUERQUE



NO SCALE

VICINITY MAP

INDEX TO DRAWINGS

1. TITLE SHEET
2. UNIVERSITY BLVD. AT SOUTH GOLD AVE.
3. TERRACE STREET AT SOUTH GOLD AVE.
4. GIRARD BLVD. AND KATHRYN AVE.
5. PUERTA DEL SOL AT GIRARD & VAIL AVE.
6. DETAILS FOR PUERTA DEL SOL IMPROVEMENTS
7. TRAFFIC CONTROL PLAN

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. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN SECTION 19 OF THE SPECIFICATIONS, CONSTRUCTION TRAFFIC CONTROL.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 6/8/92

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6		4	2	3	0.	9	0	0	1	9	2		

REV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

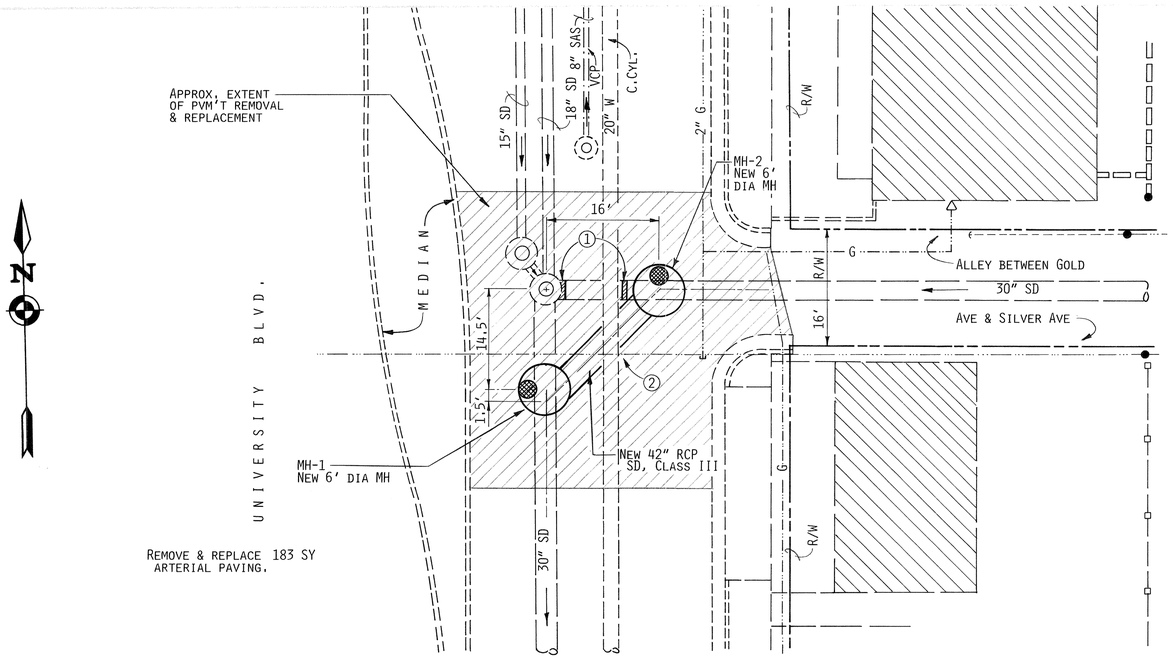
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR NO. 3889 NEW MEXICO THOMAS O. ISAACSON
3-13-91

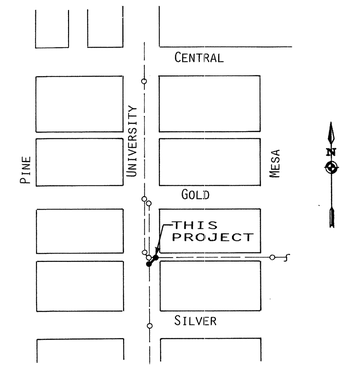
Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

APPROVED FOR CONSTRUCTION
Russell B. Fisher
3-27-91

PROJECT NO. 4230.90

SHEET 1 OF 7





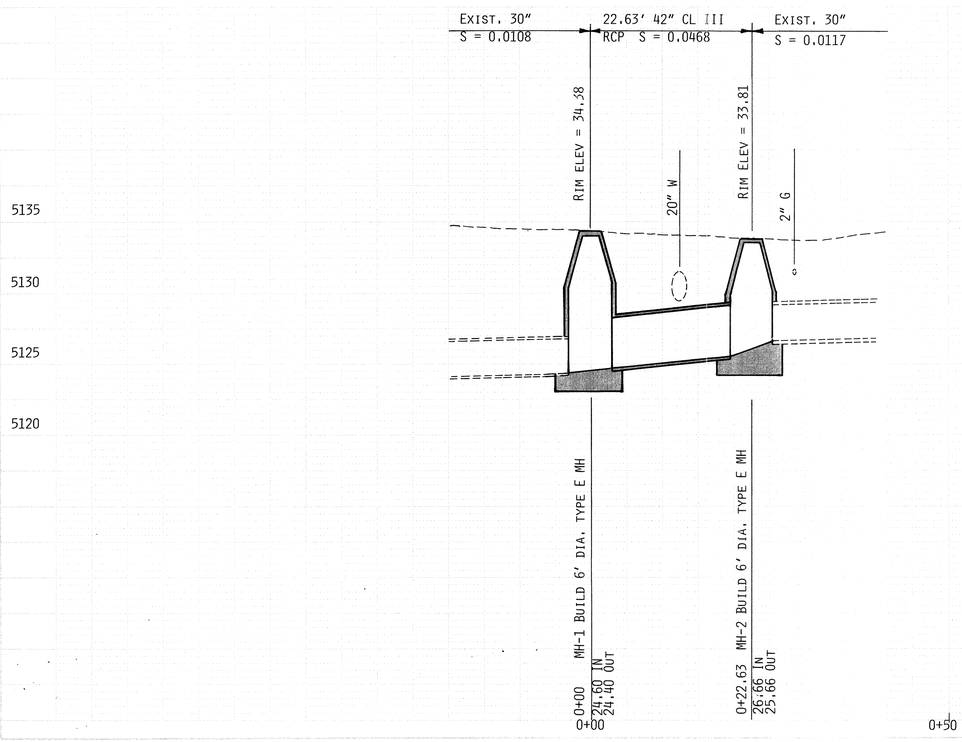
LOCATION MAP
SCALE: 1"=200'

KEYED NOTES

1. PLUG ENDS OF EXISTING STORM DRAIN LINE WITH A 12-INCH THICK CONCRETE OR CONCRETE MORTAR PLUG.
2. REPLACE PAVEMENT CUT IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 2465 FOR ARTERIAL STREETS.

STORM DRAIN MODIFICATIONS UNIVERSITY BLVD AT SOUTH GOLD ALLEY

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



AS BUILT INFORMATION
CONTRACTOR: TR HALE
WORK STAKED BY: C.O.A. DATE 3/20/92
INSPECTOR: T. Tafoya DATE 3/20/92
ACCEPTANCE: T. Tafoya DATE 3/20/92
VERIFICATION: T. Tafoya DATE 3/20/92
DRAWINGS CORRECTED BY: T. Tafoya DATE 3/20/92
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STA. 2-K15, ON EAST MEDIAN OF CENTRAL AVE, AT INTERSECTION OF CENTRAL & UNIVERSITY BLVD. ALUMINUM SURVEY CAP STAMPED "2-K15 1983" SET FLUSH WITH TOP OF CURB ELEV = 5133.97

SURVEY INFORMATION
FIELD NOTES

BK NO.	BY	DATE
1	W. PETTIT	10/90

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR, STATE OF NEW MEXICO, No. 5405
3-13-91

REMARKS
REVISIONS

NO.	DATE	BY

DESIGN

		DATE
DESIGNED BY	TDI	3/91
DRAWN BY	NAV	3/91
CHECKED BY	TDI	3/91

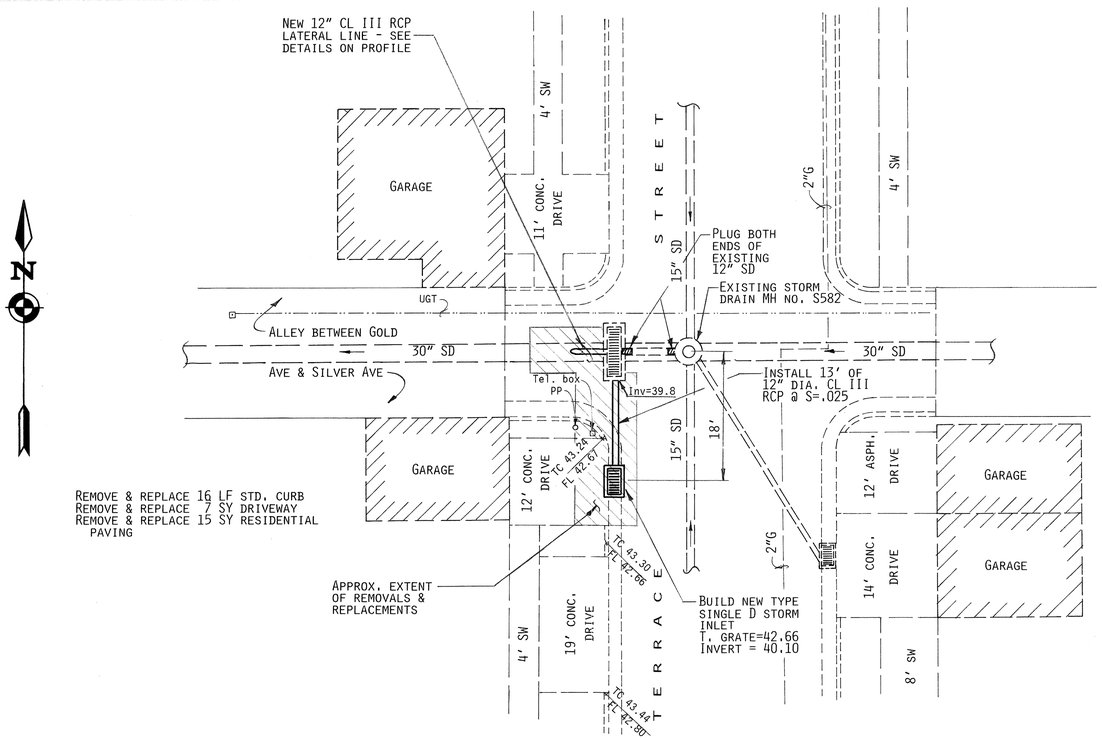
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4230.900292

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **STORM DRAIN MODIFICATIONS UNIVERSITY BLVD AT SOUTH GOLD ALLEY**

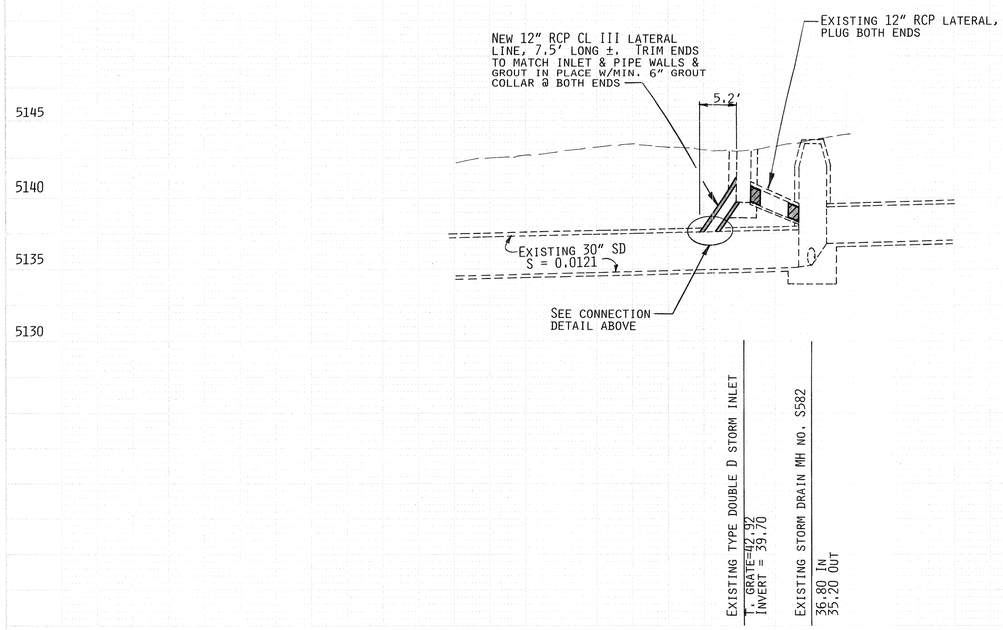
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Brown	3-26-91	Water	H. Allen	3-20-91
Trans. Dev.	D. Rourke	3-20-91	Wastewater	H. Allen	5-20-91
Hydrology	D. Martin	3-25-91			

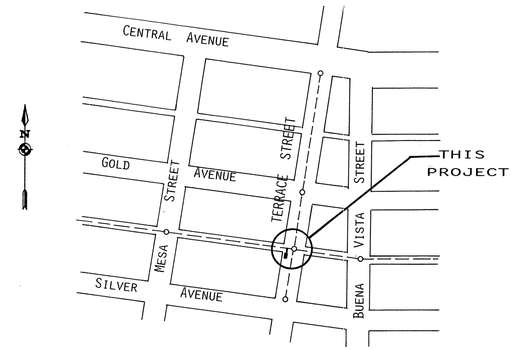
PROJECT NO. 4230.90 | MAP NO. K-15 | SHEET 2 OF 7



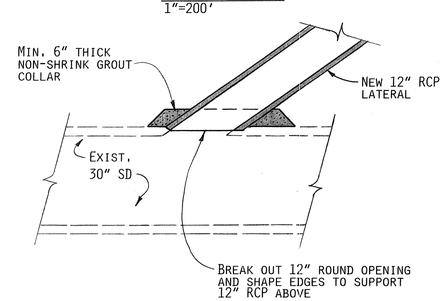
DRAINAGE INLET MODIFICATIONS TERRACE STREET AT SOUTH GOLD ALLEY

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





LOCATION MAP
1"=200'



CONNECTION DETAIL
1/2"=1'-0"

NOTES

1. PLUG ENDS OF EXISTING STORM DRAIN LINE WITH A 12-INCH THICK CONCRETE OR CONCRETE MORTAR PLUG.
2. REPLACE PAVEMENT CUT IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 2465 FOR RESIDENTIAL STREETS.

AS BUILT INFORMATION
CONTRACTOR: JR HALE — DATE: 3/26/92
WORK STAKED BY: C O A — DATE: 3/26/92
INSPECTOR: T. Tafoya — DATE: 3/26/92
ACCEPTANCE: T. Tafoya — DATE: 3/26/92
FIELD VERIFICATION: T. Tafoya — DATE: 3/26/92
DRAWINGS CORRECTED BY: T. Tafoya — DATE: 3/26/92
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS STA. 2-K15, ON EAST MEDIAN OF CENTRAL AVE AT INTERSECTION OF CENTRAL & UNIVERSITY BLVD. ALUMINUM CAP STAMPED "2-K15 1983" SET FLUSH W/TOP OF CURB ELEV = 5133.97

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	W. PETTIT	10/90

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR — STATE OF NEW MEXICO — JAMES O. BRYSON
3.13.91

REMARKS
REVISIONS

	BY	DATE
DESIGN		
DESIGNED BY	TDI	3/91
DRAWN BY	KAV	3/91
CHECKED BY	TDI	3/91

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4230.900392

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

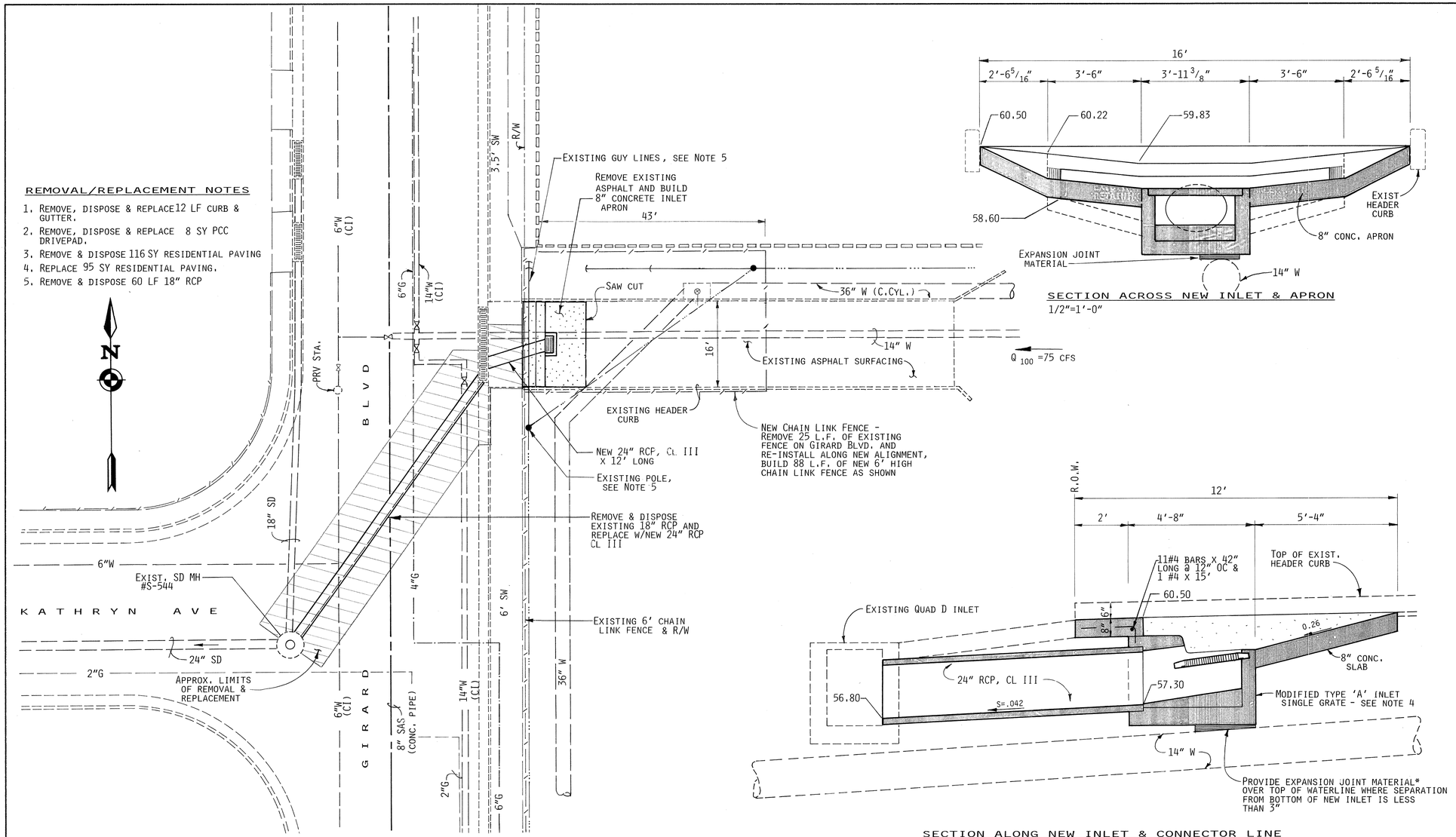
TITLE: **DRAINAGE INLET MODIFICATIONS TERRACE STREET AT SOUTH GOLD ALLEY**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Green	3-26-91	Water	[illegible]	3-20-91
Trans. Dev.	R. Dourte	3-20-91	Wastewater	[illegible]	3-20-91
Hydrology	J. Austin	3-25-91			

PROJECT NO.	MAP NO.	SHEET	OF
4230.90	K-15	3	7

REMOVAL/REPLACEMENT NOTES

1. REMOVE, DISPOSE & REPLACE 12 LF CURB & GUTTER.
2. REMOVE, DISPOSE & REPLACE 8 SY PCC DRIVEPAD.
3. REMOVE & DISPOSE 116 SY RESIDENTIAL PAVING
4. REPLACE 95 SY RESIDENTIAL PAVING.
5. REMOVE & DISPOSE 60 LF 18" RCP



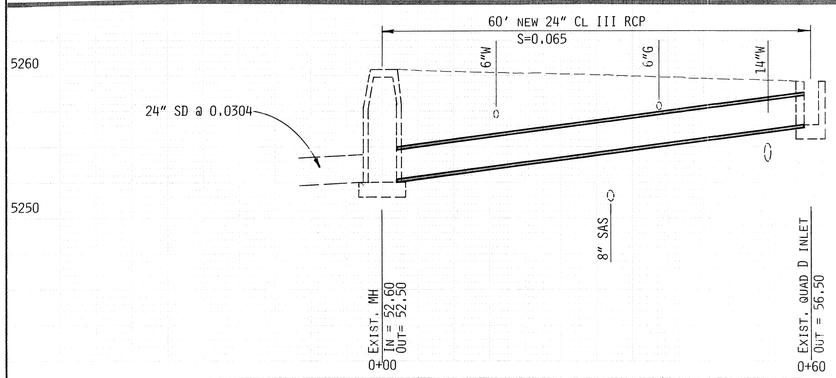
NEW INLET & CONNECTOR PIPE - GIRARD & KATHRYN

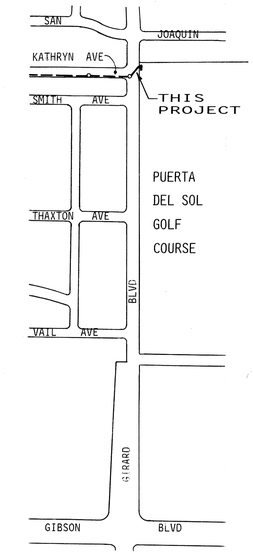
SCALE: 1"=10' HOR., 1"=5' VERT.

SECTION ACROSS NEW INLET & APRON
1/2"=1'-0"

SECTION ALONG NEW INLET & CONNECTOR LINE
1/2"=1'-0"

*BURKE FIBER EXPANSION JOINT, GROUP ORDER NO. 236, OR APPROVED EQUAL. INCIDENTAL COST TO STORM INLET.





LOCATION MAP
1"=400'

NOTES

1. REPLACE PAVEMENT CUT IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 2465 FOR RESIDENTIAL STREETS.
2. CONTRACTOR TO COORDINATE ALL CONSTRUCTION WORK ON THE PUERTA DEL SOL GOLF COURSE WITH THE GOLF COURSE SUPERINTENDENT, BILL SKINNER 256-2090.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SECURING THE GOLF COURSE SECURITY FENCE AT THE COMPLETION OF EACH WORK DAY.
4. INLET IS SIMILAR TO STD. DWG. 2201 MODIFIED FOR TWO CURB OPENINGS CONFIGURED AS SHOWN. ALL OTHER FEATURES ARE IDENTICAL.
5. PNM TO REMOVE GUY WIRE AND SUPPORT POLE TO ACCOMMODATE CONSTRUCTION. CONTRACTOR TO CALL JIM VANN (PNM) @ 848-3426 AND BARBARA MCCRAY (US WEST) @ 245-6023, FIVE DAYS PRIOR TO CONSTRUCTION FOR CO-ORDINATION.

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE	
WORK STAKED BY	C.O.A.	DATE 3/20/92
INSPECTOR'S ACCEPTANCE BY	T. Taylor	DATE 3/20/92
FIELD VERIFICATION BY	T. Taylor	DATE 3/24/92
DRAWINGS CORRECTED BY	T. Taylor	DATE 3/24/92
MICRO-FILM INFORMATION RECORDED BY		DATE

BENCH MARKS

ACS STA. 13-L16, "C" CHISELED ON CURB @ NNW RETURN AT GIRARD & KATHRYN. ELEV = 5259.75

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	W. PETTIT	10/90

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR ROBERT O. SNYDER NEW MEXICO 5986 — 3-13-91

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	TOI	3/91
DRAWN BY	NAV	3/91
CHECKED BY	TOI	3/91

26 4230.90 0049 2

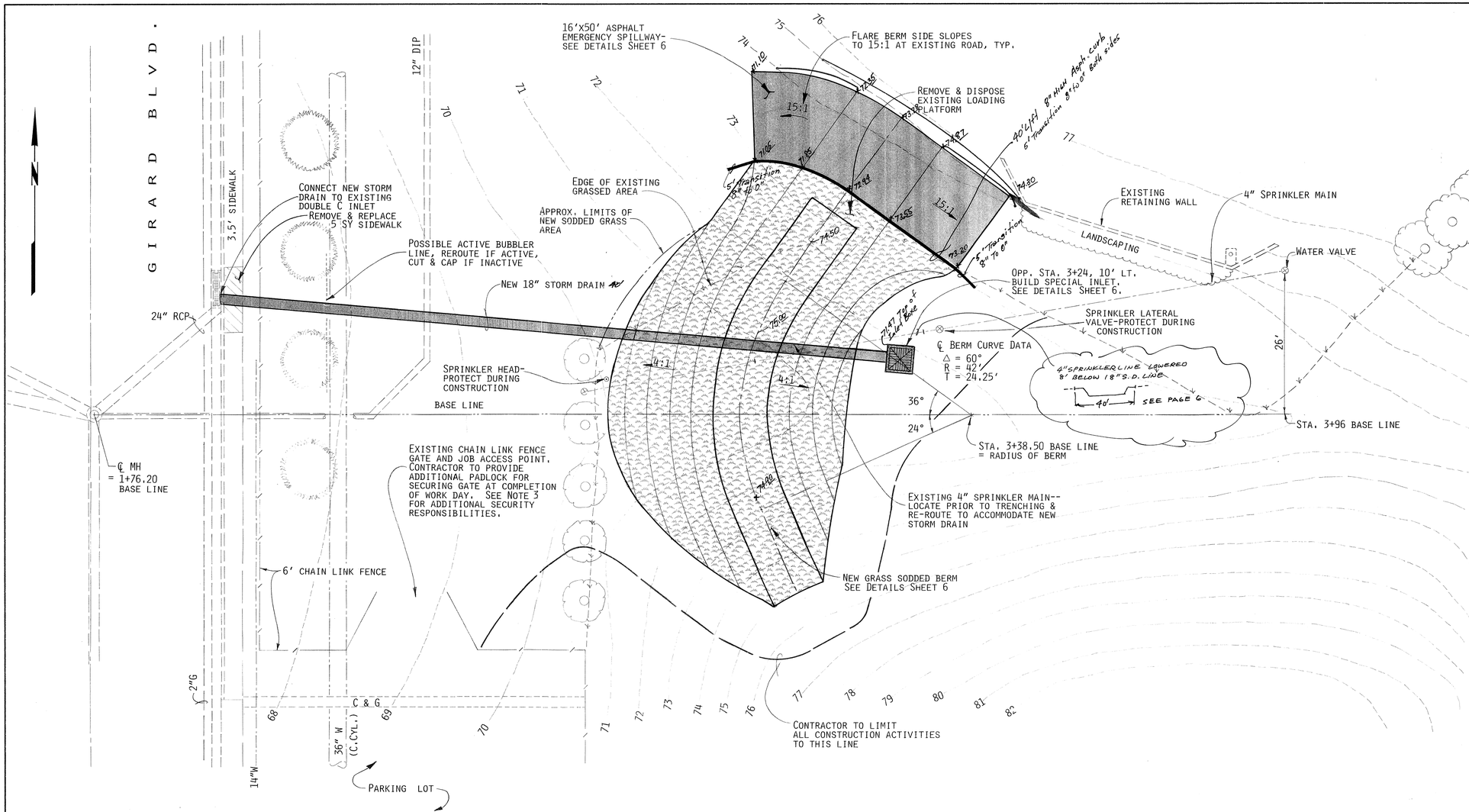
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **STORM DRAIN MODIFICATIONS**
GIRARD & KATHRYN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Brown	3-26-91	Water	Hillhan	3-20-91
Trans. Dev.	R Dunk	3-20-91	Waste Water	Hillhan	3-20-91
Hydrology	J Curtine	3-25-91			

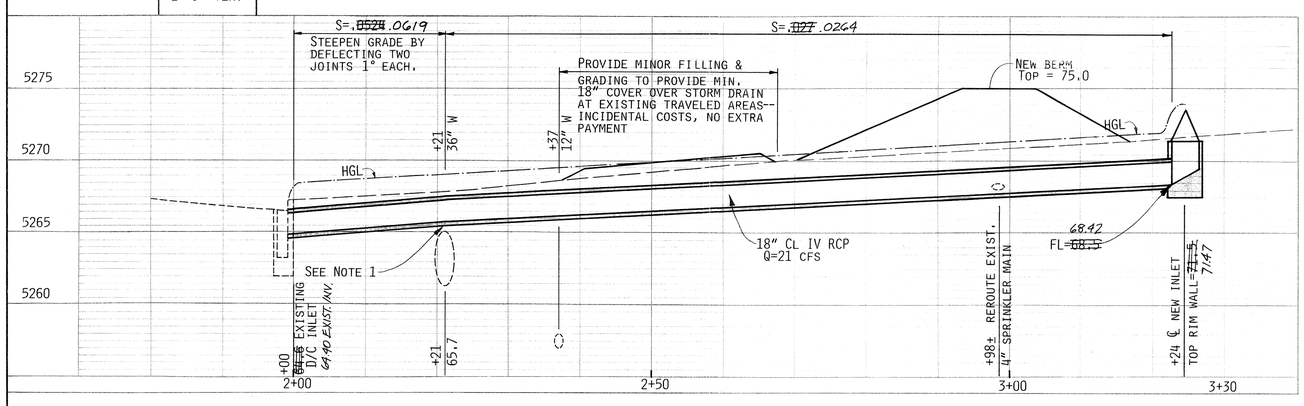
PROJECT NO.	4230.90	MAP NO.	L-16	SHEET 4 OF 7

136243

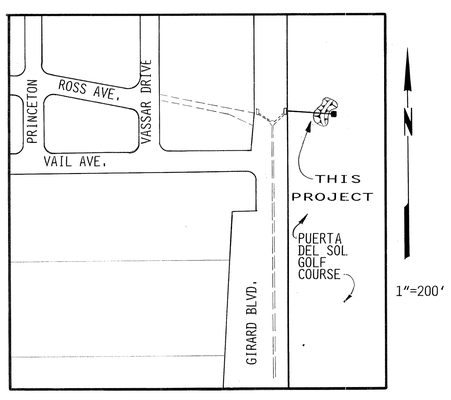


INTERCEPTING & DETENTION FACILITIES - PUERTA DEL SOL at GIRARD & VAIL

SCALES:
1"=10' HOR.
1"=5' VER.



PROFILE



LOCATION MAP

CONSTRUCTION NOTES

1. LOCATE AND UNCOVER EXISTING 36" WATERLINE PRIOR TO INSTALLING NEW STORM DRAIN. DETERMINE STATION AND ELEVATION OF TOP OF PIPE AND ADVISE ENGINEER AND INSPECTOR. ENGINEER OR INSPECTOR MAY REVISE GRADES TO LOWER NEW STORM DRAIN IF ELEVATIONS PERMIT OR MAY ORDER PREFABRICATED STORM DRAIN ELBOW IF WATERLINE IS HIGHER THAN SHOWN. PROVIDE MINIMUM 6" CLEARANCE BETWEEN LINES AND INSTALL 3'x3'x6" EXPANSION JOINT MATERIAL CUSHION BETWEEN LINES--INCIDENTAL ITEM, NO EXTRA PAYMENT.
2. CONTRACTOR TO COORDINATE ALL CONSTRUCTION WORK WITH THE GOLF COURSE SUPERINTENDENT, BILL SKINNER, 256-2090.
3. CONTRACTOR WILL BE FULLY RESPONSIBLE FOR SECURING THE SITE AT COMPLETION OF WORK EACH DAY--COURSE MAINTENANCE STAFF IS ANTICIPATED TO LEAVE COURSE BEFORE CONTRACTOR DURING SPRING AND SUMMER SEASON.

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 6/91
WORK STAKED BY C.O.A. DATE 3/20/92
ACCEPTANCE BY J. Fuqua DATE 3/20/92
FIELD VERIFICATION BY J. Fuqua DATE 3/20/92
DRAWINGS CORRECTED BY T. Fuqua DATE 3/24/92
MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
☐ CHISELED ON CURB @ SSW RETURN OF GIRARD & VAIL, COA No. 11-L16, ELEV = 5270.72

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	W. PETTIT	11/90

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3898 STATE OF NEW MEXICO
3.13.91

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY TDI DATE 3/91
DRAWN BY NAV DATE 3/91
CHECKED BY TDI DATE 3/91

26 4230.900592

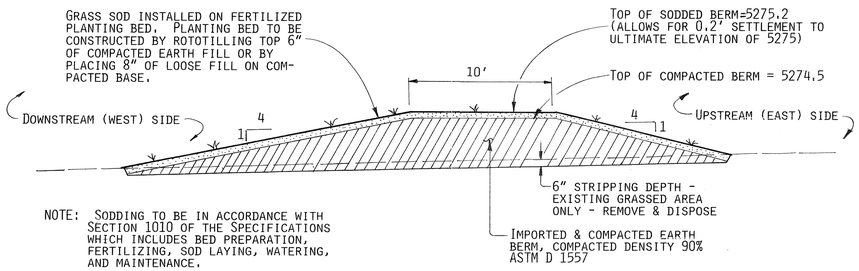
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **INTERCEPTING & DETENTION FACILITIES**
PUERTA DEL SOL at GIRARD & VAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Richard Brown	3-26-91	Water	M. Chávez	3-20-91
Trans. Dev.	R. Sanchez	3-20-91	Waste Water	M. Chávez	3-20-91
Hydrology	J. Martinez	3-25-91			

PROJECT NO. 4230.90 | MAP NO. L-16 | SHEET 5 OF 7

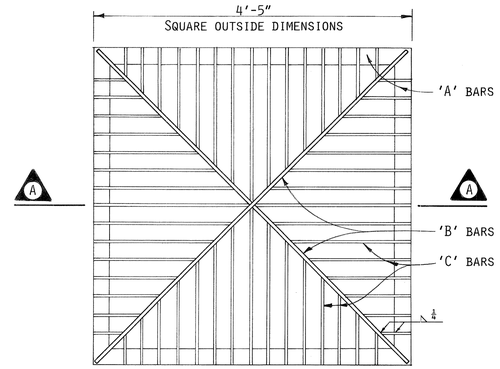
136243



NOTE: SODDING TO BE IN ACCORDANCE WITH SECTION 1010 OF THE SPECIFICATIONS WHICH INCLUDES BED PREPARATION, FERTILIZING, SOD LAYING, WATERING, AND MAINTENANCE.

TYPICAL GRASS-SODDED BERM

SCALE: 1"=5'

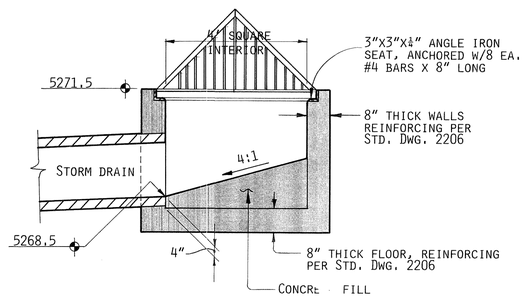


GRATE PLAN

SCALE: 1"=1'-0"

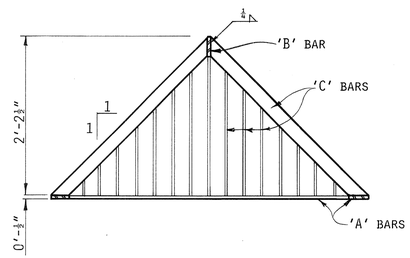
GRATE BAR SCHEDULE

BAR	SIZE	SPACING
'A'	1/2"x2 1/2"	--
'B'	1/2"x2 1/2"	--
'C'	3/8"x2"	3" O.C.



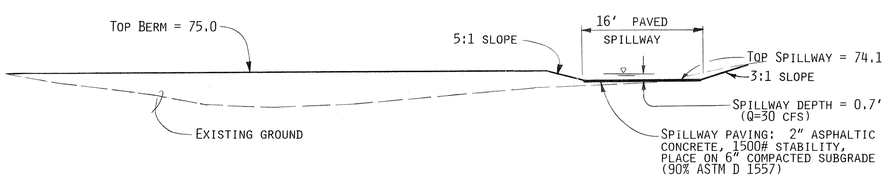
SPECIAL INLET

SCALE: ½"=1'-0"



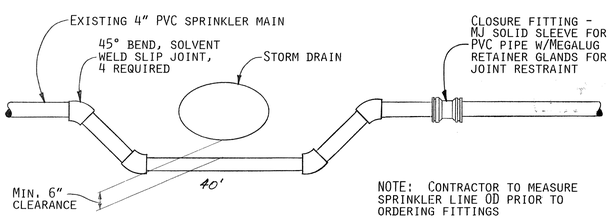
SECTION A-A

SCALE: 1"=1'-0"



SECTION ALONG BERM CENTERLINE

1"=10' LOOKING WEST



NOTE: CONTRACTOR TO MEASURE SPRINKLER LINE OD PRIOR TO ORDERING FITTINGS

SPRINKLER MAIN RE-ROUTING DETAIL

NO SCALE

AS BUILT INFORMATION

CONTRACTOR J.R. HALE DATE 6/91

WORK STAKED BY J.O.A. DATE 3/20/92

INSPECTOR'S ACCEPTANCE BY J.O.A. DATE 3/20/92

FIELD VERIFICATION BY J.O.A. DATE 3/20/92

DRAWINGS CORRECTED BY T.G.B. DATE 3/20/92

MICRO-FILM INFORMATION DATE

RECORDED BY

NO.

BENCH MARKS

SURVEY INFORMATION FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR STATE OF NEW MEXICO 6986 JAMES O. BISHOP

3/13/91

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY TDI DATE 3/91

DRAWN BY KAW DATE 3/91

CHECKED BY TDI DATE 3/91

26 4230.900692

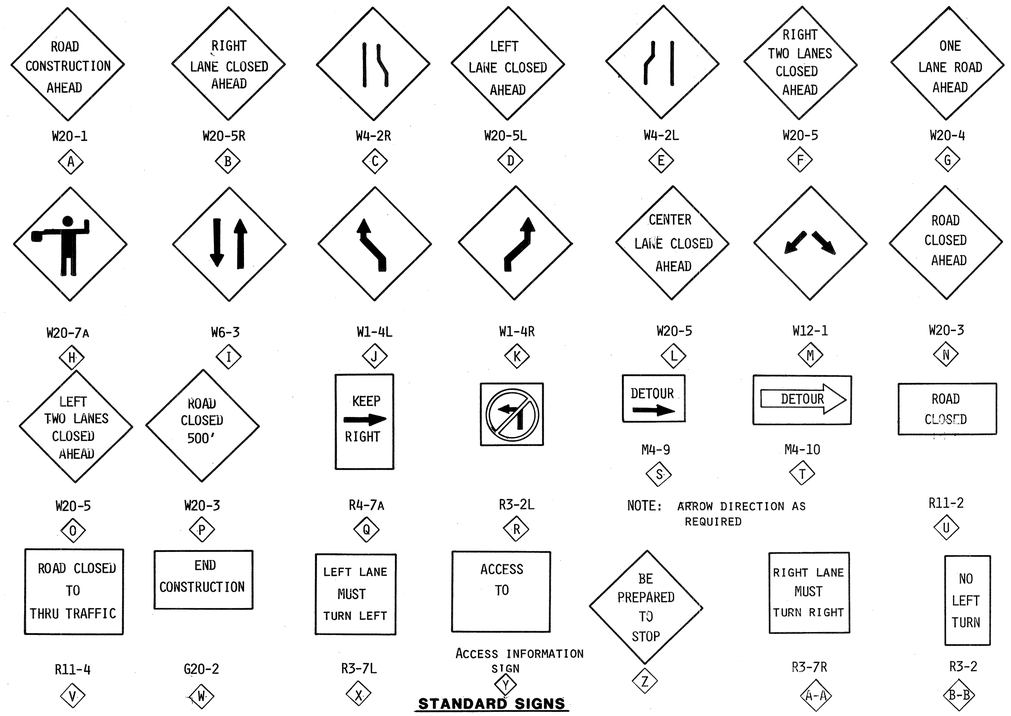
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PUERTA DEL SOL at GIRARD & VAIL**
DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger D. Green	3-26-91	Water	A.D. Hu	3-20-91
Trans. Dev.	R. Dourte	3-20-91	Waste Water	A.D. Hu	3-20-91
Hydrology	J. Custer	3-25-91			

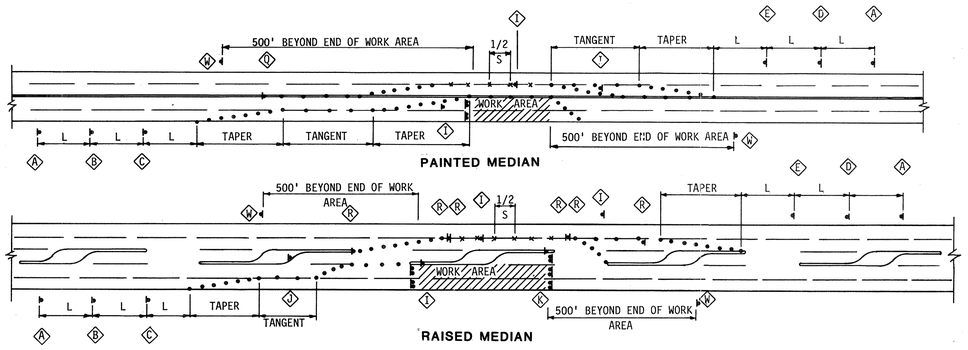
PROJECT NO. 4230.90 MAP NO. L-16 SHEET 6 OF 7

136243



STANDARD SIGNS

No scale



TYPICAL TRAFFIC SPLIT

No scale

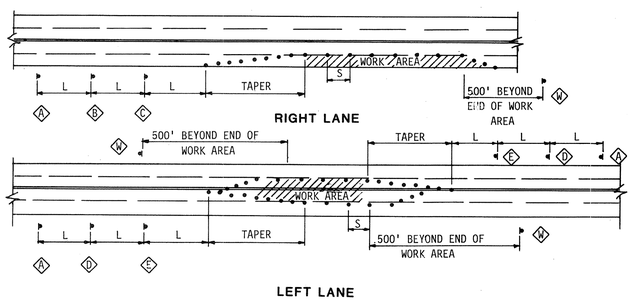
TAPER REQUIREMENTS					
SPEED LIMIT (MPH)	TAPER LENGTH (FEET) 10' LANE	11' LANE	12' LANE	MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

LEGEND

- WORK AREA
- R 2 — TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
- • — BARRICADE-TYPE I, TYPE II, OR BARREL
- BARRICADE-TYPE III
- × — VERTICAL PANEL
- WARNING SIGN
- L — DISTANCE BETWEEN SIGNS-A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- S — SPACING BETWEEN BARRICADES-A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

TAPER LENGTH-SEE CHART ABOVE

TANGENT LENGTH-IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET



TYPICAL LANE CLOSURE

No scale

TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN SECTION 19 OF THE CONSTRUCTION SPECIFICATIONS, CONSTRUCTION TRAFFIC CONTROL.

AS BUILT INFORMATION
CONTRACTOR JR HALE
WORK STAKED BY C.O.A. DATE 6/81
INSPECTED BY T. Fayra DATE 3/30/92
ACCEPTANCE BY T. Fayra DATE 3/30/92
FIELD VERIFICATION BY T. Fayra DATE 3/30/92
DRAWINGS CORRECTED BY T. Fayra DATE 3/30/92
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER LAND SURVEYOR NEW MEXICO THOMAS G. NEUBAUER No. 6885

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY TDI DATE 3/91
DRAWN BY NAV DATE 3/91
CHECKED BY TDI DATE 3/91

26 4230.900792

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:

TRAFFIC CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Green	3-26-91	Water	[illegible]	3-20-91
Trans. Dev.	[illegible]	3-26-91	Wastewater	[illegible]	3-20-91
Hydrology	[illegible]	3-26-91			

PROJECT NO. 4230.90 | MAP NO. | SHEET 7 OF 7