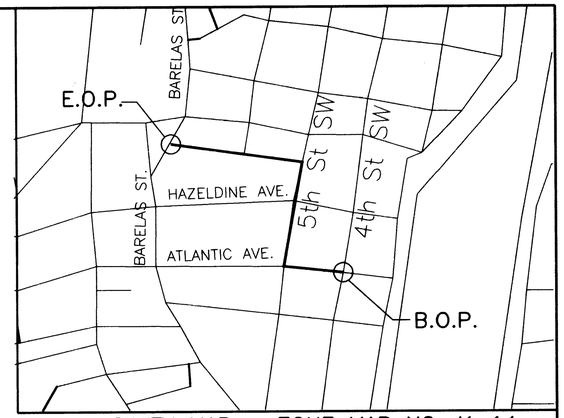
CONSTRUCTION PLANS FOR

HAZELDINE AREA SAS IMPROVEMENTS

CITY OF ALBUQUERQUE PROJECT NUMBER 5103.10

FEBRUARY 1997



VICINITY MAP ZONE MAP NO. K-14

CITY OF
Albuquerque

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RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 7-14-98

CIP 5103.10
CITY INSPECTOR: EDDIE ROYBAL

SCANNED BY
BY LASON

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Bohannan Huston Inc.
ENGINEERS AND PLANNERS
4901 Indian School Road NE, Suite 101 Albuquerque, New Mexico 87110
Office (505) 268-8466 Facsimile (505) 268-1464

REV.	SHEETS		DATE		DATE		DATE
⚠	2,3,5,6	Billy J. Goolsby, City Engineer	5/1/97		5/1/97		

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	* * * * * * * * * * * *
	DRC Chairman	Billy J. Goolsby	3/28/97	APPROVED FOR CONSTRUCTION
	Transportation	N/A	3/4/97	
	Water/Wastewater	N/A	2/24/97	
	Hydrology	N/A	3/5/97	
	CIP			3/3/97
	Constr. Mngmt.			City Engineer Date

CITY PROJECT No.
CIP 5103.10

Sheet 1 Of 6

ADDENDUM NO. 2

Time: 16:16:5
Date: 1/29/1997 BY: ELP
Drawing File: K:\PROJECTS\30401.018\30401V01

GENERAL NOTES:

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

3. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.

4. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, WHEELCHAIR RAMPS OR SIDEWALKS DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT HIS OWN EXPENSE.

5. ANY DAMAGED PAVEMENT MARKINGS OR STRIPING SHALL BE REPLACED WITH PLASTIC PAVEMENT MARKINGS.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT HIS OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

7. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE NO.6.

8. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.

9. THE LOCATION OF ALL EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FINAL UTILITY LOCATION DETERMINATION IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION OF THE PROJECT.

10. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. THE MONUMENT SHALL ONLY BE REPLACED BY THE CITY SURVEY SECTION AT THE CONTRACTOR'S EXPENSE.

11. THE LOCATION OR DEPTH OF EXISTING UTILITIES MAY REQUIRE THE CONTRACTOR TO PROVIDE TRENCH PROTECTION FOR CONSTRUCTION OF THIS PROJECT. ALL COSTS ASSOCIATED WITH SHORING, BRACING, AND RELOCATION OF EXISTING UTILITY LINES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT PRICE.

12. NO TWENTY FOUR (24) HOUR CONSTRUCTION IS REQUIRED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.

13. PROPERTY LINES SHOWN IN DRAWINGS ARE APPROXIMATE AND NOT TO BE USED TO DEFINE RIGHT-OF WAY OR TRUE PROPERTY LINES.

14. THE CONTRACTOR SHALL MAINTAIN ALL TRENCHES IN A SAFE CONDITION PROTECTING THE WORKERS AND THE GENERAL PUBLIC. TRENCH PROTECTION SHALL BE IN ACCORDANCE WITH O.S.H.A. 29CFR 1926.650 SUBPART P. EXCAVATIONS SHALL BE SLOPED, BRACED OR SHEERED AS REQUIRED BY O.S.H.A. REGULATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE JOB SITE SAFETY, AND FOR KNOWLEDGE AND COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS. NO ADDITIONAL COMPENSATION WILL BE MADE THEREFOR.

UTILITY OWNERS

TELEPHONE	A.T. & T. ISHMAEL PANTOJA (505)842-2806 U.S. WEST COMMUNICATIONS NORMA CARRILLO (505)245-8706
ELECTRICITY	P.N.M. ELECTRIC SERVICES JIM VANN (505)848-3426
GAS	P.N.M. GAS SERVICES DEBBIE O'CALLAGHAN (505)241-7705
CABLE TELEVISION	JONES INTERCABLE KAREN SHORE (505)761-6220
WATER	CITY OF ALBUQUERQUE 857-8200
SEWER	CITY OF ALBUQUERQUE 873-6200

SCANNED BY
BY LASON

AS BUILT INFORMATION

CONTRACTOR CONCORE CONSTRUCTION DATE 6/98
WORK ISSUED BY CONCORE CONSTRUCTION DATE 6/98
INSPECTOR'S FIELD ACCEPTANCE BY: CITY OF ALBUQUERQUE DATE 6/98
VERIFICATION BY CITY OF ALBUQUERQUE DATE 6/98
DRAWINGS CORRECTED BY GANNETT FLEMING WEST DATE 6/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	5/1/97	This sheet replaces the original sheet approved 4/3/97 per Addend #2	

	DESIGNED BY	DRAWN BY	CHECKED BY
DESIGN	ELP	ELP	JE
DATE	FEBRUARY 1997	FEBRUARY 1997	FEBRUARY 1997

RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **HAZELDINE AREA SAS IMPROVEMENTS**
GENERAL NOTES

Design Review Committee: APPROVED MAY - 1 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY - 1 1997 CITY ENGINEER

Last Design Update: Mo./Day/Yr. 01/27/97; 04/29/97

City Project No. 5103.10 | Zone Map No. K-14 | Sheet 2 Of 6

ADDENDUM NO. 2

Time: 10:43:58
Date: 4/29/1997LJS
Drawing File: K:\PROJECTS\30401.016\30401001

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE IS MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, ORANGE LETTERING ON WHITE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET, UNLESS OTHERWISE SPECIFIED IN THE PLANS, SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

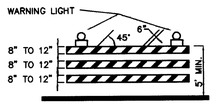
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

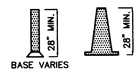
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

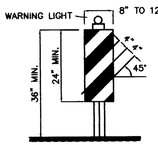
26. ADVANCE WARNING SIGNS SHALL BE 36"x36", UNLESS OTHERWISE SPECIFIED IN THE PLANS, WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



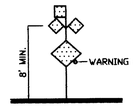
TYPE III BARRICADE



CONES



VERTICAL PANEL

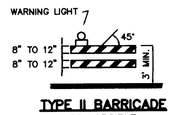


HIGH LEVEL WARNING DEVICE

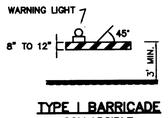
LEGEND

▨	WORK AREA
•	BARRICADE - TYPE I, TYPE II, OR TYPE 'H' DRUM W/ REFLECTIVITY III-A SHEETING
⊣	BARRICADE - TYPE III
X	VERTICAL PANEL
⊦	WARNING SIGN
D	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
◹	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGTH - SEE CHART BELOW

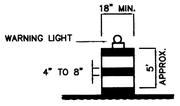
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



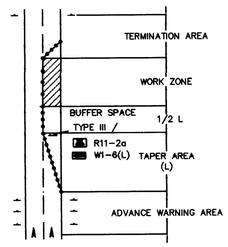
TYPE II BARRICADE COLLAPSIBLE



TYPE I BARRICADE COLLAPSIBLE



DRUM
TYPE DRUM W/ REFLECTIVITY III-A SHEETING

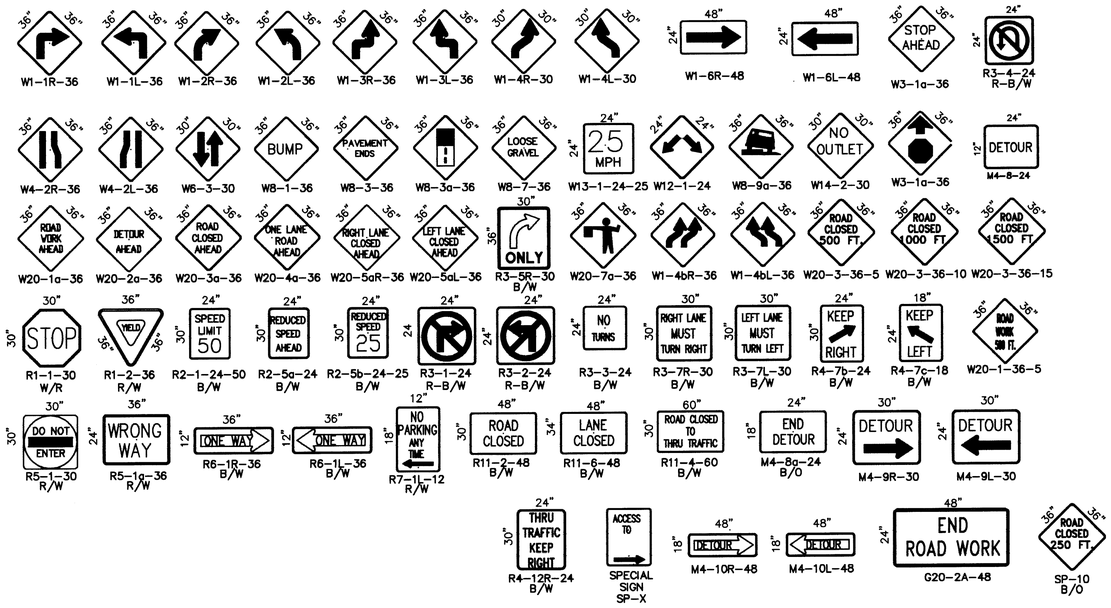


TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	L = W x S

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.

SCANNED BY
BY LASON

AS BUILT INFORMATION
CONTRACTOR CONCORE CONSTRUCTION DATE 6/98
WORK BY CONCORE CONSTRUCTION DATE 6/98
INSPECTION BY CITY OF ALBUQUERQUE DATE 6/98
ACCEPTANCE BY CITY OF ALBUQUERQUE DATE 6/98
VERIFICATION BY CITY OF ALBUQUERQUE DATE 6/98
CORRECTED BY GANNETT FLEMING WEST DATE 6/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JOHN EMILIO MENDOZA 10098 REGISTERED

NO.	DATE	REMARKS	BY
1	5/19/97	This sheet replaces the original sheet approved 4/15/97 per Addendum #2.	

REVISIONS
DESIGNED BY COA DATE
DRAWN BY DATE
CHECKED BY DATE

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: HAZELDINE AREA SAS IMPROVEMENTS
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

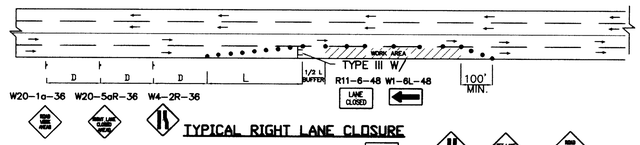
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
APPROVED MAY - 1 1997 DESIGN REVIEW COMMITTEE	APPROVED MAY - 1 1997 CITY ENGINEER		04/29/97

City Project No. 5103.10 | Zone Map No. K-14 | Sheet 3 Of 6

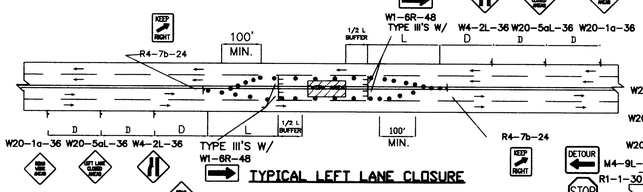
Time: 16:19:4
Date: 1/29/1997 BY: ELP
Drawing File: K:\PROJECTS\30401\018\30401S02

ADDENDUM NO. 2

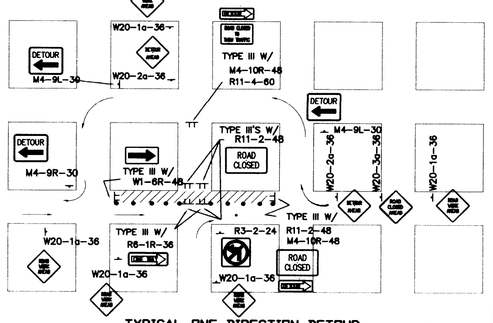
RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.



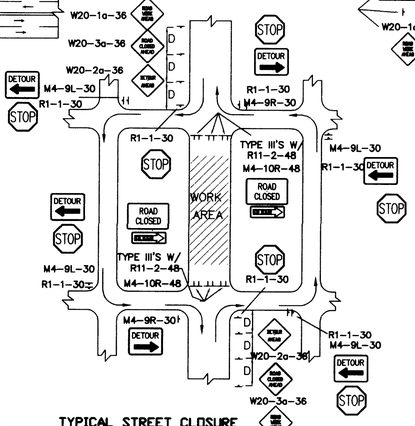
TYPICAL RIGHT LANE CLOSURE



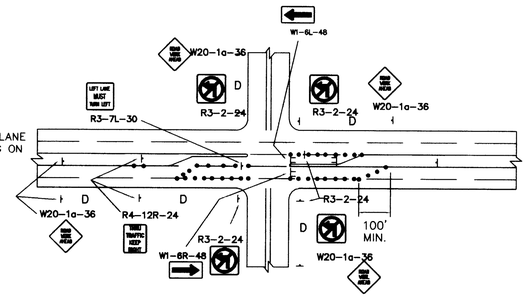
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR

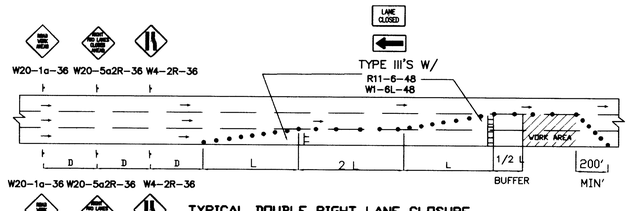


TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

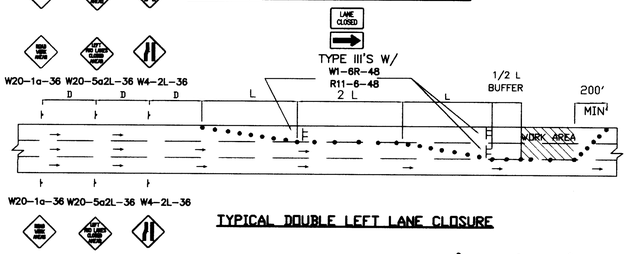


NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

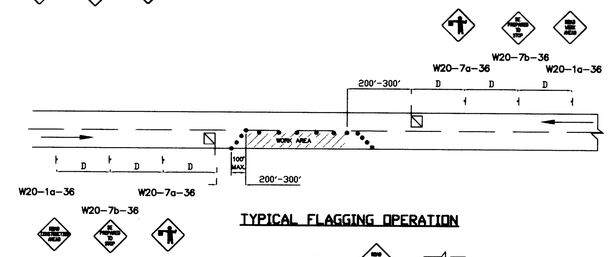
TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION



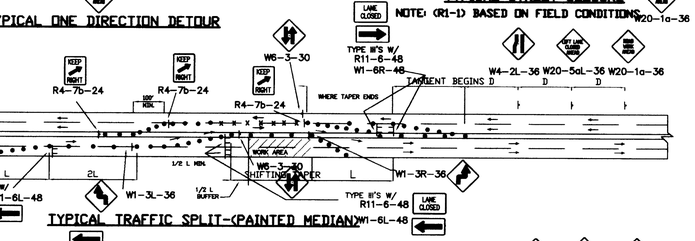
TYPICAL DOUBLE RIGHT LANE CLOSURE



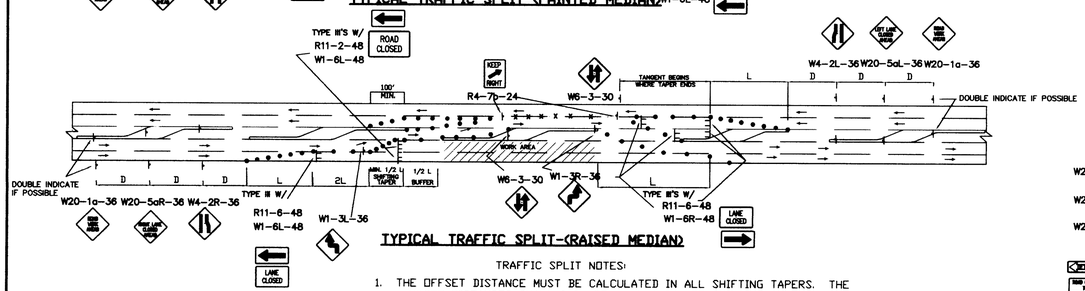
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



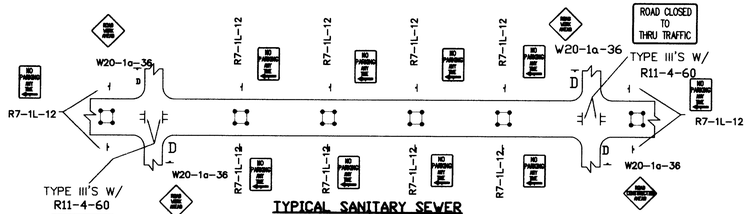
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



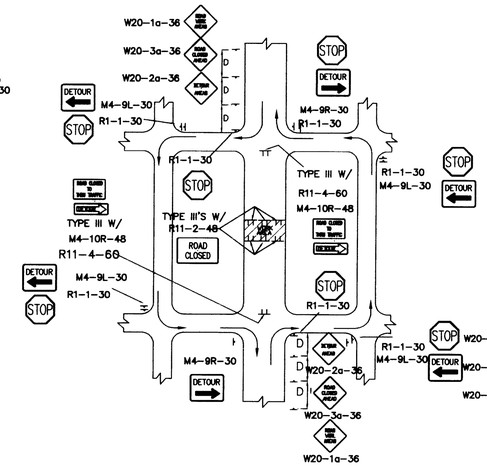
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

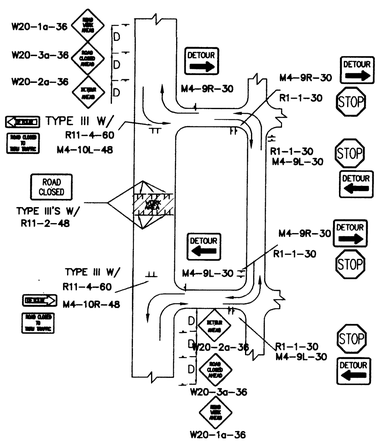
GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF THIRTY SIX (36) INCHES BY THIRTY SIX (36) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

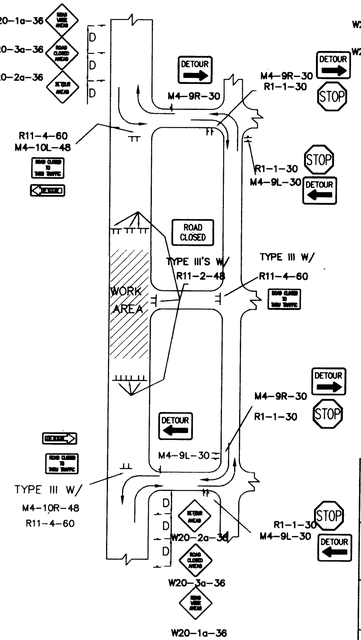


TYPICAL MID-BLOCK CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

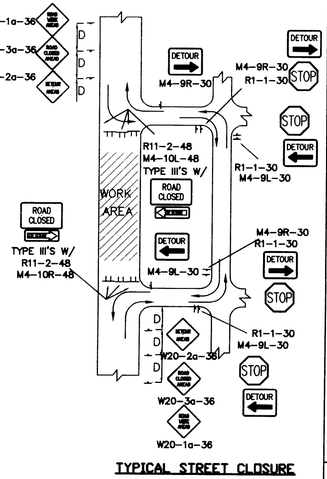


TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

SCANNED BY
BY LASON



TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: HAZELDINE AREA SAS IMPROVEMENTS
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE		Last Design Update	

City Project No.	Zone Map No.	Sheet	Of
5103.10	K-14	4	6

ADDENDUM NO. 2

AS BUILT INFORMATION

BENCH MARKS

CONTRACTOR	CONCORE CONSTRUCTION DATE 6/98
WORK STARTED BY	CONCORE CONSTRUCTION DATE 6/98
ACCEPTANCE BY:	CITY OF ALBUQUERQUE DATE 6/98
VERIFICATION BY:	CITY OF ALBUQUERQUE DATE 5/99
DRAWINGS CORRECTED BY:	GANNETT FLEMING WEST DATE 5/99

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REMARKS / REVISIONS / DESIGN
NO. DATE BY
DESIGNED BY COA DATE
DRAWN BY DATE
CHECKED BY DATE

Time: 16:17:60
Date: 1/29/1997 By: ELP
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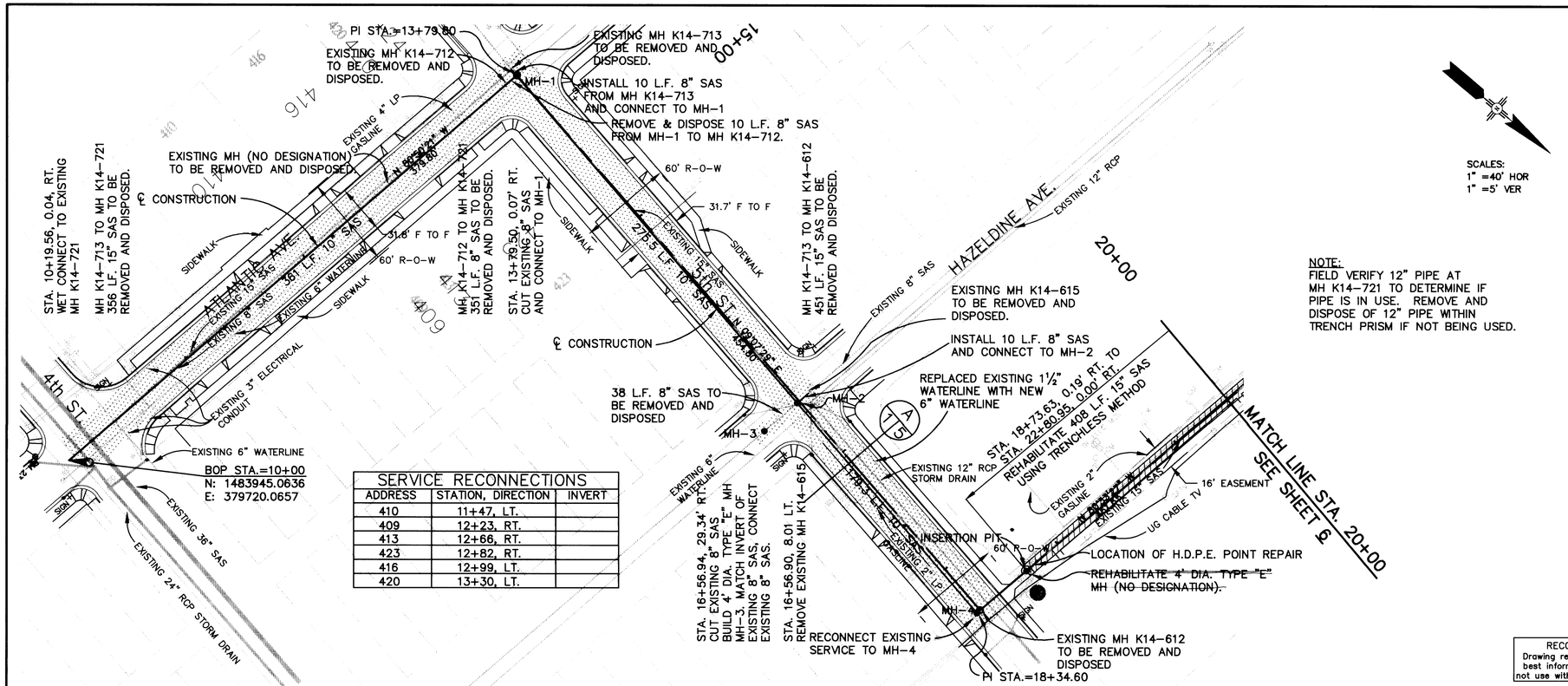
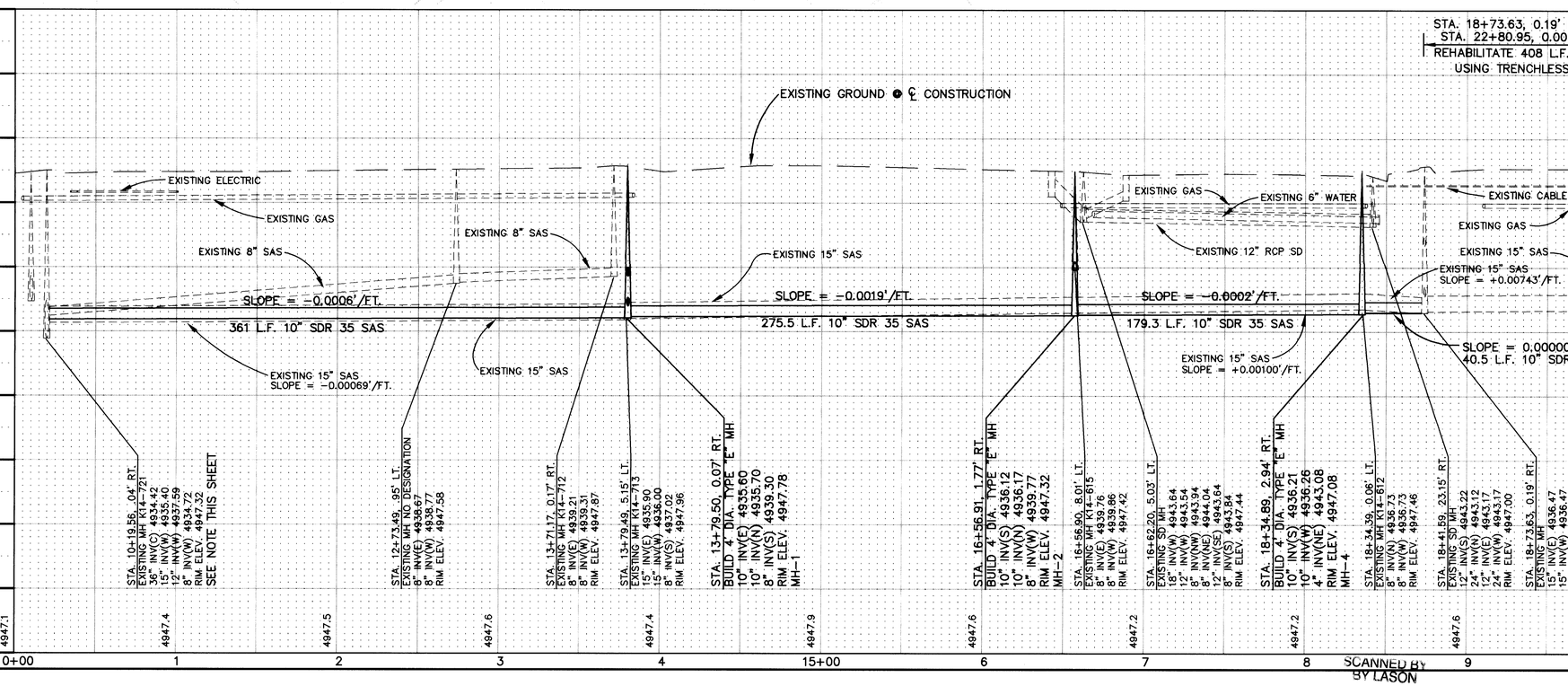
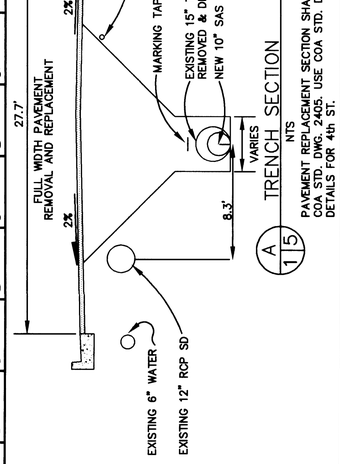


LEGEND

- ANC POLE — ANCHOR POLE
- UE — UNDERGROUND ELECTRIC
- GM — GAS METER
- GUY — POWER POLE GUY DOWN
- LP — LIGHT POLE
- PP — POWER POLE
- MH — SAS MANHOLE
- SP — SIGNAL POLE
- SPB — SIGNAL PULL BOX
- TR — TELEPHONE RISER
- WV — WATER VALVE
- 15" SAS REHABILITATION
- PAVEMENT REMOVAL AND REPLACEMENT





A/15 TRENCH SECTION
NTS
PAVEMENT REPLACEMENT SECTION SHALL BE IN ACCORDANCE WITH COA STD. DWG. 2405. USE COA STD. DWG. 2465 DETAILS FOR 4th ST.

AS BUILT INFORMATION

CONTRACTOR CONDORE CONSTRUCTION DATE 5/98
WORK STARTED BY CONDORE CONSTRUCTION DATE 5/98
INSPECTION & ACCEPTANCE BY CITY OF ALBUQUERQUE DATE 5/98
VERIFICATION BY CITY OF ALBUQUERQUE DATE 5/98
DRAWINGS CORRECTED BY GANNETT FLEMING WEST DATE 5/98
RECORDED BY DATE
NO.

BENCH MARKS

ACS 23-K14, A 1 3/4" ALUMINUM DISK EPOXIED TO THE TOP OF THE CURB AT THE RETURN, LOCATED AT THE SOUTHEAST QUADRANT OF THE INTERSECTION OF 4th ST. AND ATLANTIC AVE. SW. ELEV. = 4947.57

MICRO-FILM INFORMATION

DATE
RECORDED BY
NO.

SURVEY INFORMATION

FIELD NOTES

NO. | BY | DATE

ENGINEER'S SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO. | DATE | REMARKS

REVISIONS

5/2/97 THIS SHEET REPLACES THE ORIGINAL
SHEET APPROVED 4/3/97 PER ADDENDUM NO. 2.

DESIGNED BY ELP DATE FEBRUARY 1997
DRAWN BY ELP DATE FEBRUARY 1997
CHECKED BY JE DATE FEBRUARY 1997

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **HAZELDINE AREA SAS IMPROVEMENTS**
STA. 10+00 TO STA. 20+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
			01/27/97	

City Project No. 5103.10 | Zone Map No. K-14 | Sheet 5 | Of 6

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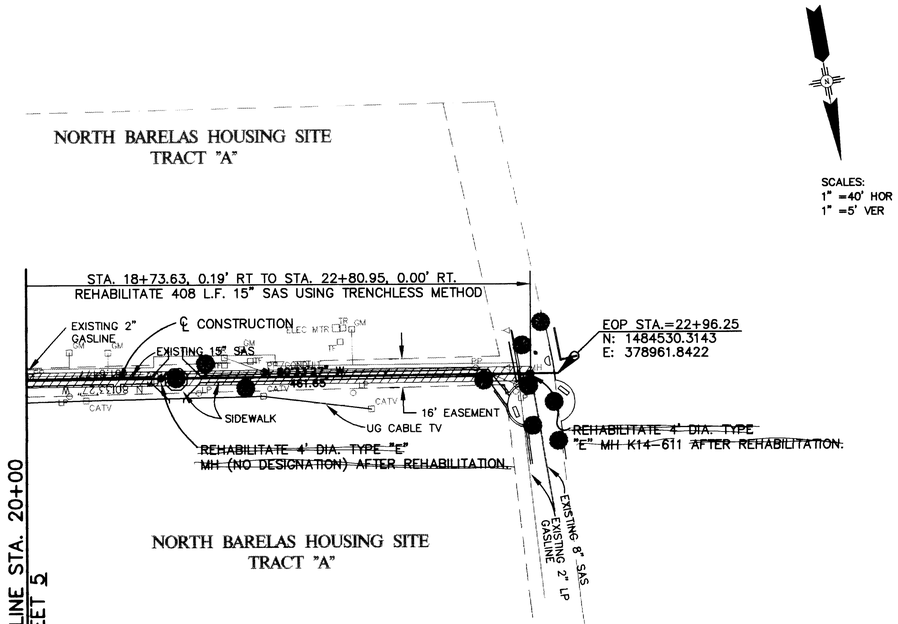
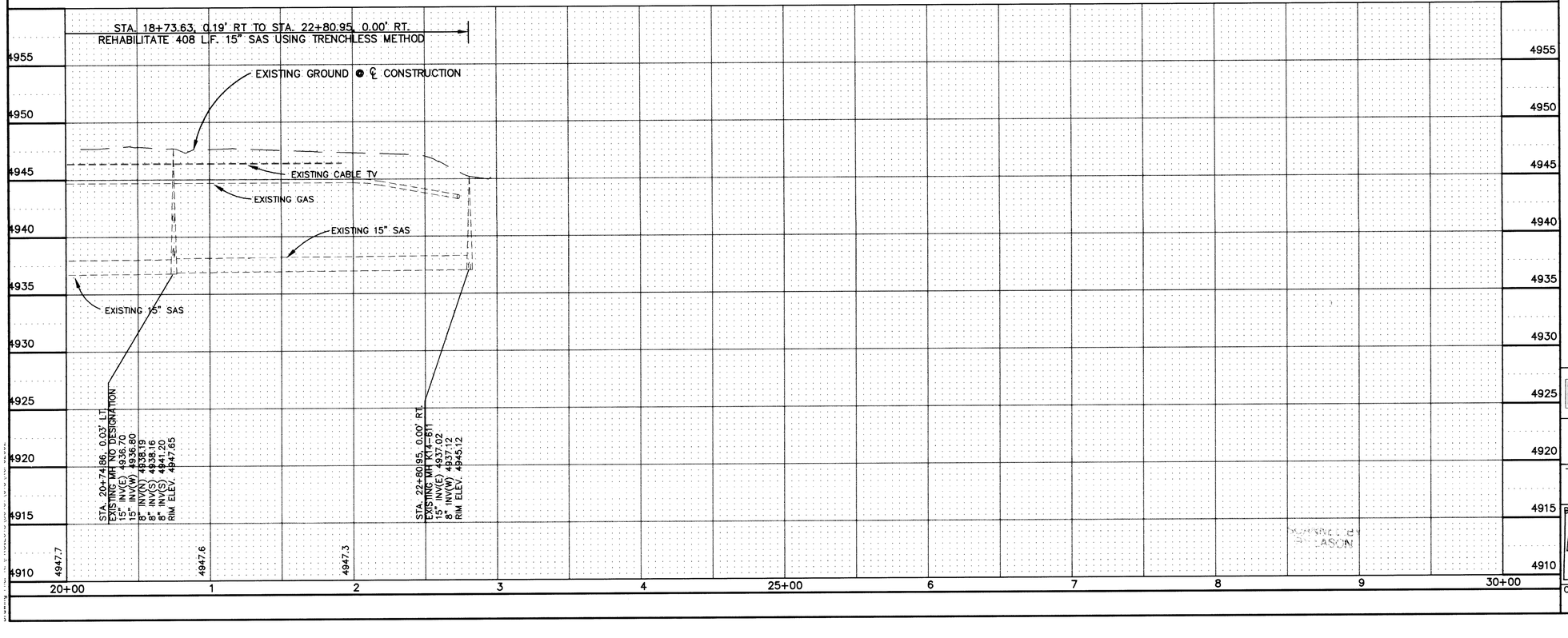
SCANNED BY BY LASON

ADDENDUM NO. 2



SCALES:
1" =40' HOR
1" =5' VER



LEGEND

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'E'	UNDERGROUND ELECTRIC
GM	GAS METER
	POWER POLE GUY DOWN
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TR	TELEPHONE RISER
WV	WATER VALVE
TF	TRANSFORMER
	15" SAS REHABILITATION

RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **HAZELDINE AREA SAS IMPROVEMENTS**
STA. 20+00 TO E.O.P.

Design Review Committee: APPROVED MAY - 1 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAY - 1 1997 CITY ENGINEER

Last Design Update: Mo./Day/Yr. 01/27/97; 04/29/97

City Project No. 5103.10 | Zone Map No. K-14 | Sheet 6 Of 6

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 23-K14, A 1 3/4" ALUMINUM DISK EPOXIED TO THE TOP OF THE CURB AT THE RETURN, LOCATED AT THE SOUTHEAST QUADRANT OF THE INTERSECTION OF 4th ST. AND ATLANTIC AVE. SW. ELEV. = 4947.57

AS BUILT INFORMATION

CONTRACTOR	CONDORE CONSTRUCTION	DATE 6/98
WORK STAKED BY	CONDORE CONSTRUCTION	DATE 6/98
INSPECTOR'S ASSISTANCE BY	CITY OF ALBUQUERQUE	DATE 6/98
VERIFICATION BY	CITY OF ALBUQUERQUE	DATE 6/98
CORRECTED BY	GANNETT FLEMING WEST	DATE 6/98
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	5/1/97	This sheet reflects the original sheet Approved 4/29/97 per Addendum #2.	

REVISIONS

DESIGNED BY	ELP	DATE FEBRUARY 1997
DRAWN BY	ELP	DATE FEBRUARY 1997
CHECKED BY	JE	DATE FEBRUARY 1997

ADDENDUM NO. 2