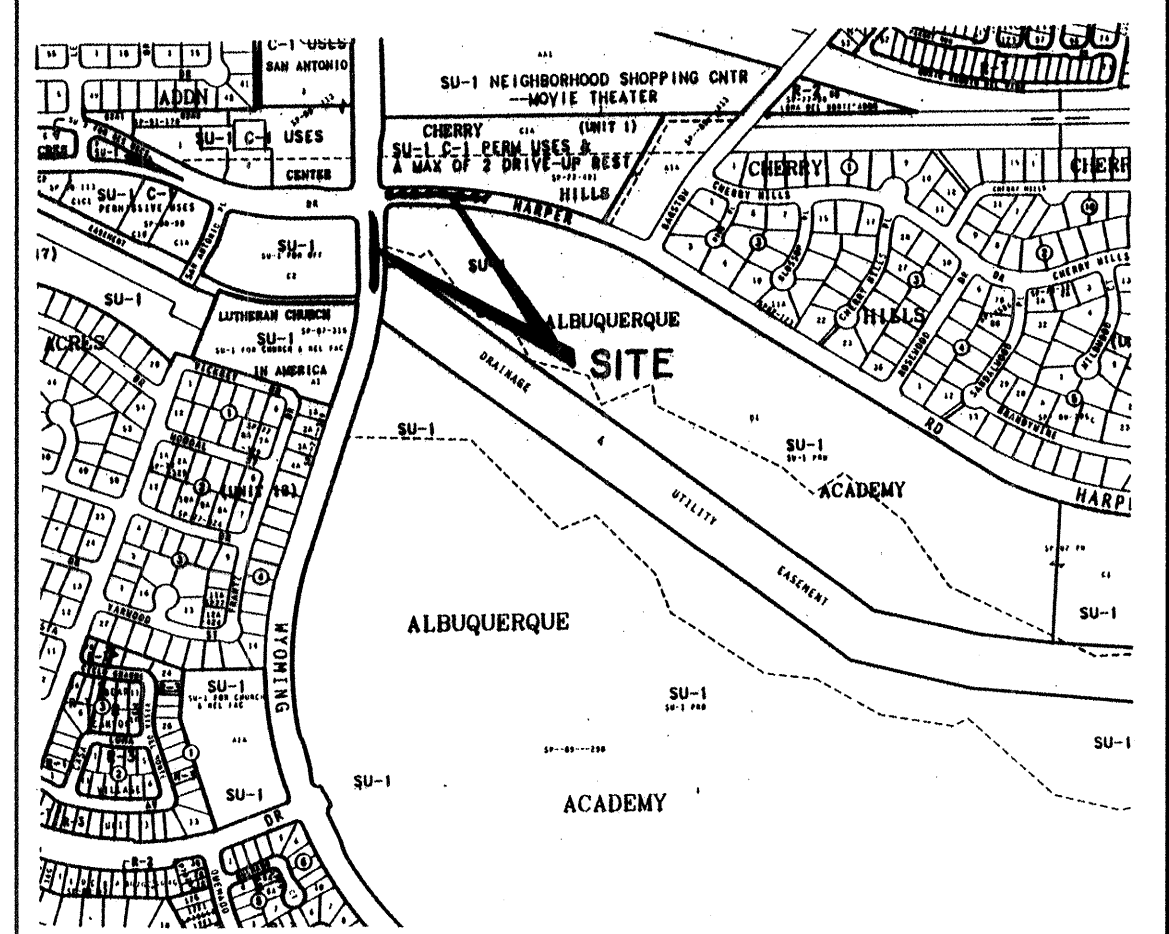


CONSTRUCTION PLANS
FOR
WYOMING BLVD. N.E. AND HARPER ROAD N.E.
INTERSECTION IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO



VICINITY MAP
ZONE ATLAS E-19-Z
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 4, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS SET.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OR WORK COMPLETED BY THE CONTRACTOR.

LEGEND

	CURB AND GUTTER		WATER METER
	CONCRETE		CABLE T.V.
	ELECTRIC TRANSFORMER		POWER POLE
	ELECTRIC PANEL		ANCHOR
	SANITARY SEWER MANHOLE		LIGHT POLE
	TELEPHONE MANHOLE		TRAFFIC LIGHT
	ELECTRIC MANHOLE		CROSSWALK SIGNAL
	STORM SEWER MANHOLE		SPRINKLER CONTROL
	WATER VALVE		TRAFFIC CONTROL
	FIRE HYDRANT		LIGHTING BOX
	TELEPHONE BOX		SIGN
	SPOT ELEVATION		GRATE

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET
2	PAVING PLAN & PROFILE WYOMING BLVD. N.E.
3	PAVING PLAN & PROFILE HARPER ROAD N.E.
4	TRAFFIC OPERATIONS CONDUIT & SIGNAL LAYOUT

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P. O. BOX 90806
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200 345-2010

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

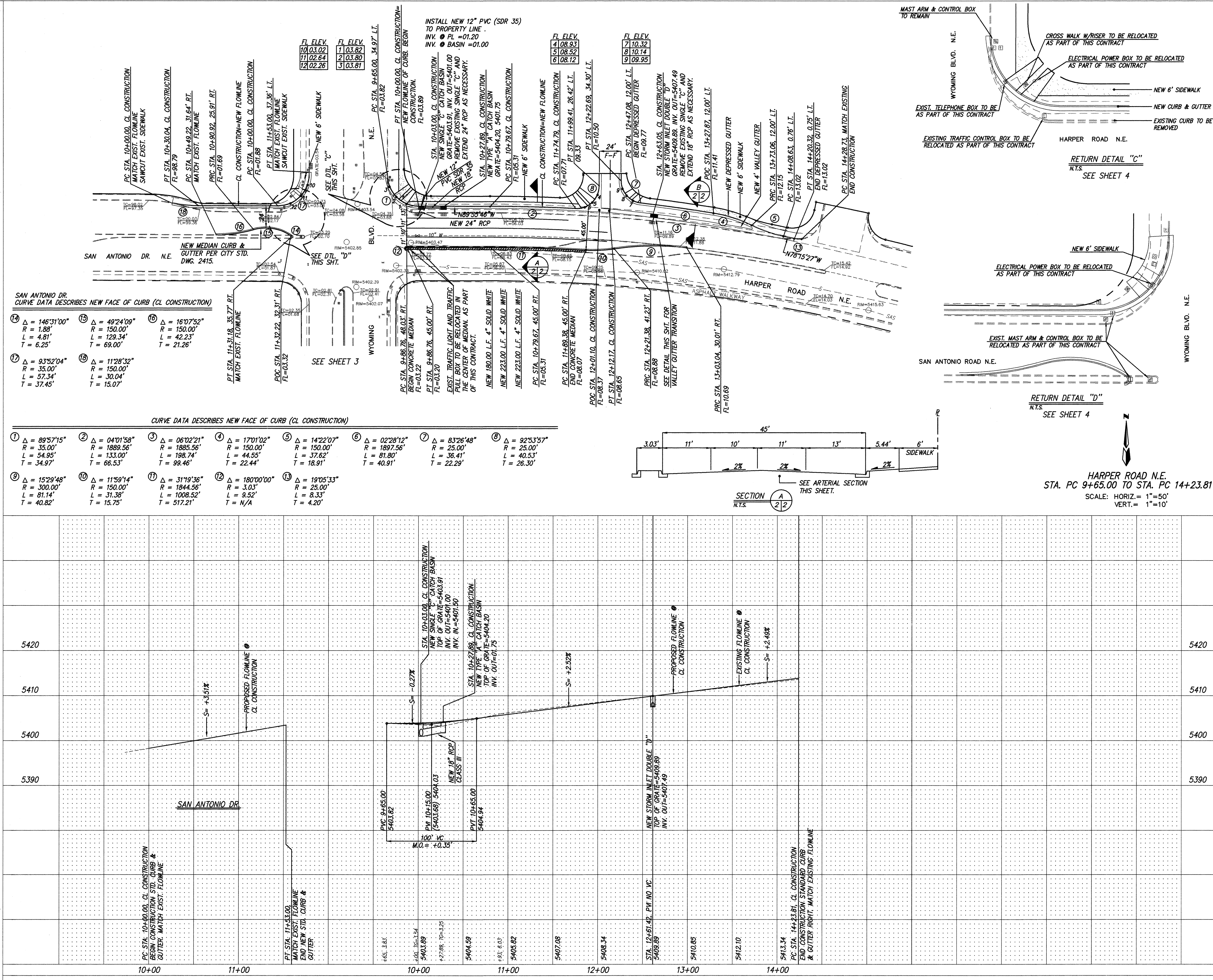
APPROVAL OF REVISIONS



PROJECT NO.
4845.90

APPROVED FOR
CONSTRUCTION

SHEET 1 OF 4



NOTES

- CENTERLINE CONSTRUCTION IS FACE OF NEW STANDARD CURB & GUTTER.
- CONTRACTOR SHALL COORDINATE WITH THE CITY TRAFFIC ENGINEERING OPERATIONS FOR EXACT LOCATION OF MAST FOUNDATION. CONTACT KEVIN BRODERICK AT 291-6220.
- NEW 4" VALLEY GUTTER IS TO HAVE 3/4" INVERT.
- NEW LEFT TURN BAY WILL REQUIRE ADJUSTMENT OF 1-MH RIM AND 1-VALVE BOX TO NEW GRADE.
- CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT 1' OUTSIDE OF EXISTING CURB.
- EXISTING CROSS-WALK STRIPING ON HARPER TO BE EXTENDED TO NEW RETURN.

SECTION A-A

4" ASPHALTIC SURFACE COURSE
1800 LBS. STABILITY

6" CRUSHED AGGREGATE BASE COURSE
COMPACTED TO 95% - ASTM D 1557

12" COMPACTED SUBGRADE 95%
COMPACTION - ASTM D 1557

COMPACTED SUBGRADE 90%
COMPACTION ASTM D 1557

ARTERIAL PAVEMENT SECTION

SCALE: NONE

CAUTION:

NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE 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 EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

ENGINEER'S SEAL

D. MARK GOODWIN
REGISTERED PROFESSIONAL ENGINEER
NO. 8846
EXPIRATION DATE 12/31/2014

REVISIONS

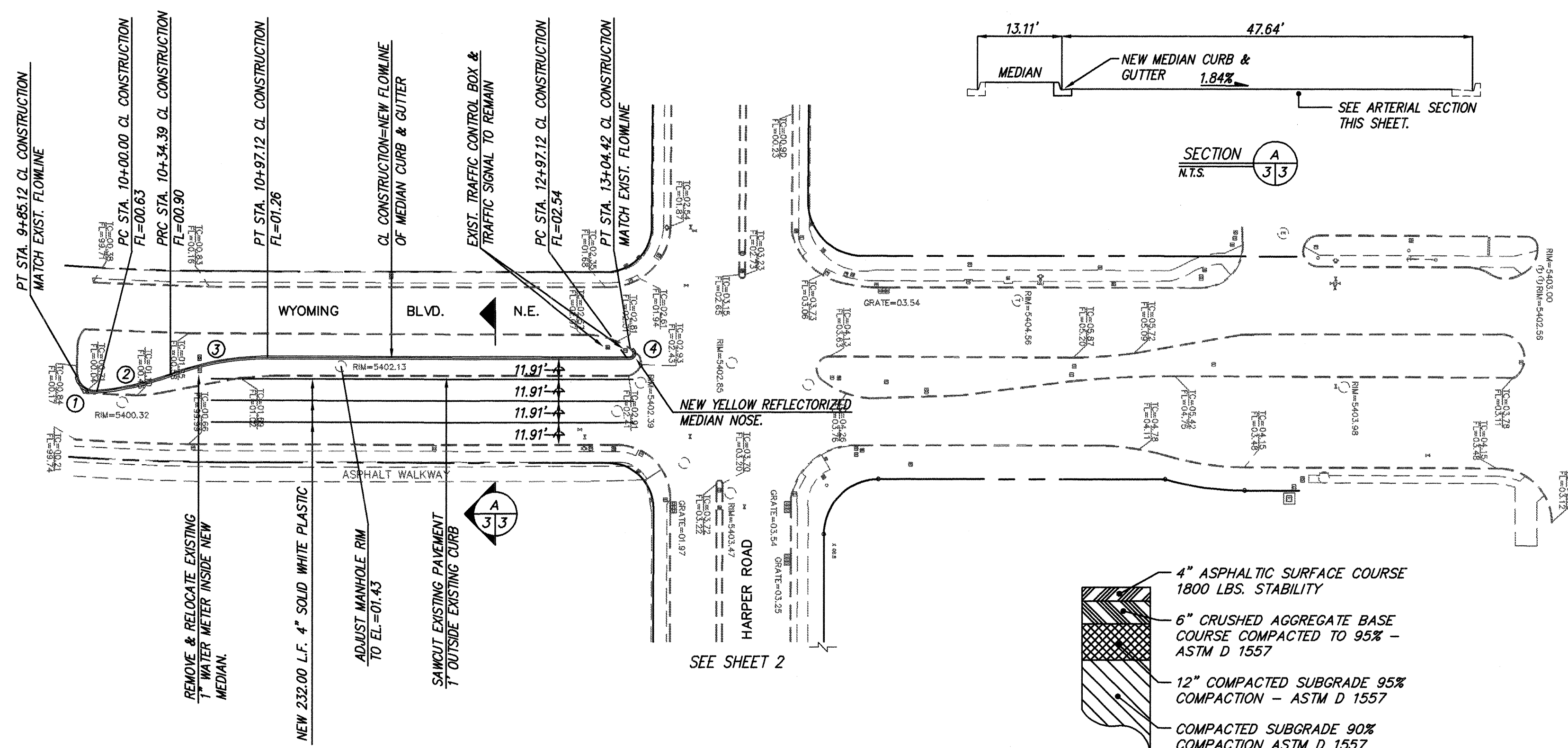
NO.	DATE	REMARKS
1	03/94	DESIGN
2	03/94	STAFF
3	03/94	DWG

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

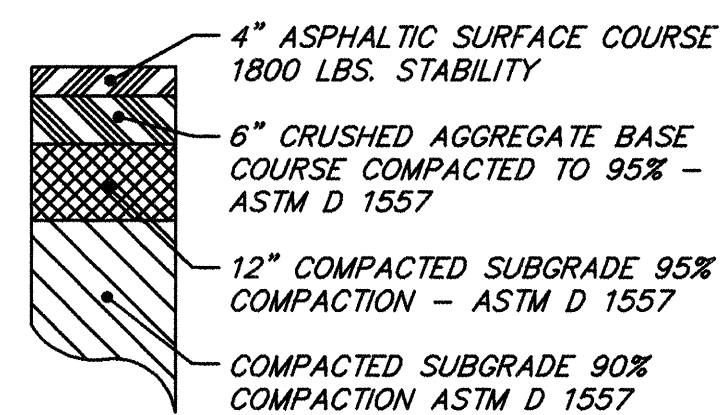
TITLE: WYOMING & HARPER INTERSECTION
HARPER ROAD N.E. PAVING IMPROVEMENTS
STA. PC STA. 9+65.00 TO PC STA. 14+23.81

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	D. Mark Goodwin	4-12-94	WATER	NIA	RWP 3-23-94
TRANSPORTATION	John R. ...	3-25-94	WASTE WATER	NIA	RWP 3-23-94
HYDROLOGY	...	...			

PROJECT NO. 4845.90 MAP NO. E19 SHEET 2 OF 4



$$\begin{array}{llll} \textcircled{1} \Delta = 85^{\circ}16'03'' & \textcircled{2} \Delta = 16^{\circ}02'25'' & \textcircled{3} \Delta = 20^{\circ}52'30'' & \textcircled{4} \Delta = 145^{\circ}34'21'' \\ R = 10.00' & R = 150.00' & R = 150.00' & R = 3.00' \\ L = 14.88' & L = 41.99' & L = 54.65' & L = 7.62' \\ T = 9.21' & T = 21.13' & T = 27.63' & T = 9.68' \end{array}$$



WYOMING BLVD. N.E.
STA. PT 9+85.12 TO STA. PT 13+04.42
SCALE: HORIZ. 1"=50'
VERT. 1"=10'

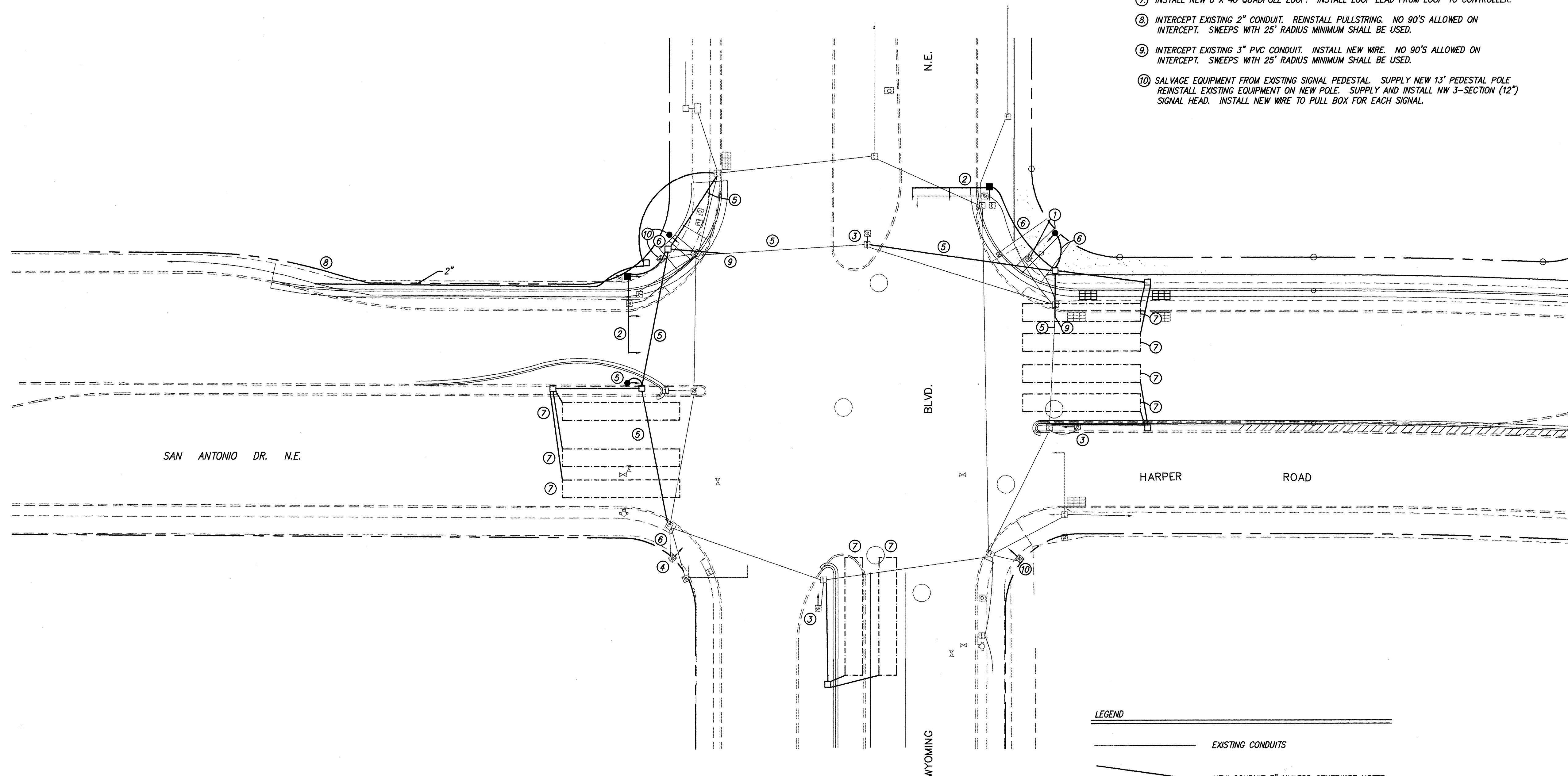
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WHI\PP2

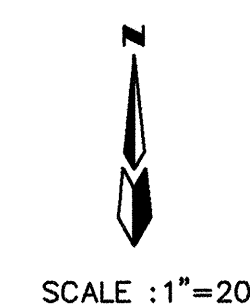
 D. MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS & SURVEYORS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP TITLE: WYOMING & HARPER INTERSECTION WYOMING BLVD. PAVING IMPROVEMENTS STA. 10+00.00 TO STA. 13+04.42 <table><tr><td>APPROVALS</td><td>ENGINEER</td><td>DATE</td><td>APPROVALS</td><td>ENGINEER</td><td>DATE</td></tr><tr><td>DRC CHAIRMAN</td><td><i>B.G. Goodwin</i></td><td>4-12-94</td><td>WATER</td><td>N/A RWK</td><td>3-23-94</td></tr><tr><td>TRANSPORTATION</td><td><i>C. Jones</i></td><td>3-25-94</td><td>WASTE WATER</td><td>N/A RWK</td><td>3-23-94</td></tr><tr><td>HYDROLOGY</td><td>N/A JPC</td><td>3-25-94</td><td></td><td></td><td></td></tr></table> <table><tr><td>PROJECT NO.</td><td>4845.90</td><td>MAP NO.</td><td>E19</td><td>SHEET</td><td>3</td><td>OF</td><td>4</td></tr></table>			APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	DRC CHAIRMAN	<i>B.G. Goodwin</i>	4-12-94	WATER	N/A RWK	3-23-94	TRANSPORTATION	<i>C. Jones</i>	3-25-94	WASTE WATER	N/A RWK	3-23-94	HYDROLOGY	N/A JPC	3-25-94				PROJECT NO.	4845.90	MAP NO.	E19	SHEET	3	OF	4	ENGINEER'S SEAL 		SURVEY INFORMATION <table><tr><td rowspan="2">NO.</td><td colspan="2">FIELD NOTES</td></tr><tr><td>BY</td><td>DATE</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		NO.	FIELD NOTES		BY	DATE																						BENCH MARKS AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 12-E19", EPOXIED TO THE TOP OF THE CONCRETE CURB, AT THE N.W. CURB RETURN, LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF WYOMING BLVD. AND SAN ANTONIO DRIVE N.E. ELEVATION= 5404.28		AS BUILT INFORMATION <table><tr><td>CONTRACTOR</td><td></td></tr><tr><td>WORK STARTED BY</td><td></td></tr><tr><td>INSPECTOR'S DATE</td><td></td></tr><tr><td>FIELD CHANGE BY</td><td></td></tr><tr><td>VERIFICATION BY</td><td></td></tr><tr><td>DATE CORRECTED BY</td><td></td></tr><tr><td colspan="2">MICRO-FILM INFORMATION</td></tr><tr><td>RECORDED BY</td><td></td></tr><tr><td>NO.</td><td></td></tr></table>		CONTRACTOR		WORK STARTED BY		INSPECTOR'S DATE		FIELD CHANGE BY		VERIFICATION BY		DATE CORRECTED BY		MICRO-FILM INFORMATION		RECORDED BY		NO.	
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1. ALL EXISTING SIGNAL FOUNDATIONS NOT REQUIRED AS PART OF FINAL SIGNAL SHALL BE REMOVED.
2. ALL WORK SHALL CONFORM TO THE CITY OF ALBUQUERQUE INTERIM STANDARD FOR SIGNAL CONSTRUCTION.
3. ALL WIRING SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD COLOR CODE FOR TRAFFIC SIGNALS.
4. CONTRACTOR SHALL SUPPLY AN OFF-DUTY POLICE OFFICER TO DIRECT TRAFFIC ANY TIME THE LIGHTS NEED TO BE SHUT DOWN FOR CONSTRUCTION WORK.
5. CONTRACTOR SHALL SALVAGE ALL EQUIPMENT TO BE REMOVED TO CITY PINDO YARDS.
6. PRIOR TO STARTING ANY WORK, CONTRACTOR SHALL INVENTORY SIGNAL EQUIPMENT WITH CITY PERSONNEL.

- ① RELOCATE PEDESTAL ASSEMBLY TO NEW FOUNDATION. SUPPLY NEW WIRE FROM SIGNALS TO PULL BOX AND SUPPLY AND INSTALL NEW 3 SECTION (12") ARROW INSERT.
- ② INSTALL NEW MAST ARM FOUNDATION AND NEW MAST ARM ASSEMBLY (25") RE-USE EXISTING HEADS ON EXISTING MAST ARM. SUPPLY ONE NEW HEAD (3 SECTION, 12"). PULL NEW WIRE FROM SIGNAL HEADS TO PULL BOX.
- ③ SUPPLY AND INSTALL NEW 3 SECTION SIGNAL HEAD (17") WITH ARROW INSERTS ON EXISTING POLE. PULL NEW WIRE BETWEEN HEAD AND PULL BOX (SALVAGE EXISTING).
- ④ REPLACE EXISTING 10' PEDESTAL POLE WITH 13' PEDESTAL POLE, SUPPLY AND INSTALL NEW 3-SECTION (12") SIGNAL WITH ARROW INSERTS. SALVAGE EXISTING PEDESTAL HEADS AND BUTTONS FROM EXISTING POLE AND INSTALL ON NEW POLE (THIS SHALL BE COINCIDENTAL TO CONSTRUCTION). PULL NEW WIRE FOR ALL SIGNAL AND PEDESTAL HEADS TO PULL BOX.
- ⑤ PULL NEW WIRE IN NEW OR MODIFIED CONDUITS
 - * 2 - 20 CONDUCTORS
 - * 1 - 5 CONDUCTORS
 - * 1 - #10 NEUTRAL
 - * 1 - #6 COPPER BARE GROUND
- ⑥ PULL NEW 5 CONDUCTOR WIRE BETWEEN PULL BOX AND EACH SIGNAL HEAD/PEDESTAL HEAD (EACH SIGNAL SHALL HAVE ITS OWN WIRE BACK TO PULL BOX). ONE 5 CONDUCTOR SHALL BE PULLED FOR BOTH PEDESTAL BUTTONS.
- ⑦ INSTALL NEW 6 X 40 QUADPOLE LOOP. INSTALL LOOP LEAD FROM LOOP TO CONTROLLER.
- ⑧ INTERCEPT EXISTING 2" CONDUIT. REINSTALL PULLSTRUNG. NO 90'S ALLOWED ON INTERCEPT. SWEEPS WITH 25' RADIUS MINIMUM SHALL BE USED.
- ⑨ INTERCEPT EXISTING 3" PVC CONDUIT. INSTALL NEW WIRE. NO 90'S ALLOWED ON INTERCEPT. SWEEPS WITH 25' RADIUS MINIMUM SHALL BE USED.
- ⑩ SALVAGE EQUIPMENT FROM EXISTING SIGNAL PEDESTAL. SUPPLY NEW 13' PEDESTAL POLE REINSTALL EXISTING EQUIPMENT ON NEW POLE. SUPPLY AND INSTALL NW 3-SECTION (12") SIGNAL HEAD. INSTALL NEW WIRE TO PULL BOX FOR EACH SIGNAL.



 EXISTING CONDUITS
 NEW CONDUIT 3" UNLESS OTHERWISE NOTED
 NEW PULL BOX
 NEW MAST ARM FOUNDATION
 NEW 25' MAST ARM & POLE
 NEW SINGLE POST FOUNDATION



SCALE : 1"=20'

[illegible]

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:	WYOMING & HARPER INTERSECTION TRAFFIC OPERATIONS CONDUIT & SIGNAL LAYOUT
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>S. J. ...</i>	4-11-94	WATER	N/A RWK	3-23-94
TRANSPORTATION	N/A CHD	3-25-94	WASTE WATER	N/A RWK	3-23-94
HYDROLOGY	N/A APC	3-22-94			

PROJECT	MAP NO.	SHEET	OF
NO. 4845.90	E19	4	4