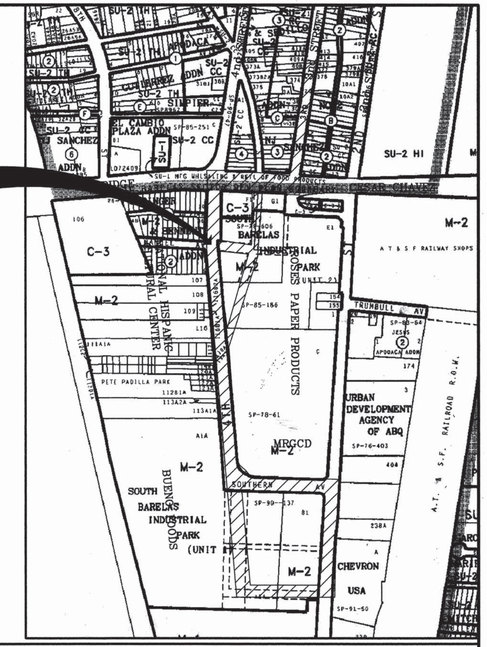
# CITY OF ALBUQUERQUE
# PUBLIC WORKS DEPARTMENT
# PLANS FOR CONSTRUCTION
# 4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR SEWER REHABILITATION

VICINITY MAP




SCANNED BY MESA REPRO

## INDEX OF DRAWINGS



T Shoemaker
APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 5 JUN 06

### SURVEYOR'S CERTIFICATION

I, Loren N. Risenhoover, New Mexico Professional Surveyor Number 14272, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Loren N. Risenhoover Date 5/17/06
Loren N. Risenhoover
N.M.P.S. No. 14272

I, Daniel Boivin of the firm of Smith Engineering Company, a Registered Professional Engineer in the State of New Mexico, do hereby state that, to the best of my knowledge and belief, the infrastructure for this project as shown on the plans has been constructed in general accordance with the project plans and in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (including all updates), and that the general intent of the plans has been met except as noted on the as-built construction drawings. The infrastructure construction has been observed by a qualified person from Smith Engineering Company and this statement covers infrastructure installation that was observed while a representative from Smith Engineering was on site. This statement is based on site observations by Smith Engineering Company personnel and on as-built information provided to Smith Engineering Company Loren Risenhoover (surveyor's name), NMPS number 14272 (PS.No.)

LOREN N. RISENHOOVER 14272 NEW MEXICO

## RECORD DRAWING

### UTILITY COMPANY CONTACTS

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CALL BEFORE YOU DIG!
STATEWIDE 1-800-321-ALERT
ALBUQUERQUE 260-1990

103114F
Smith Engineering Company
A Full Service Engineering Company
5906 San Pedro Boulevard, N.E. Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

| REV. | SHEETS | CITY ENGINEER | DATE | USER DEPARTMENT | DATE | USER DEPARTMENT | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

ENGINEERS STAMP & SIGNATURE

5.16.06
W. DANIEL BOIVIN NEW MEXICO 12933 REGISTERED PROFESSIONAL ENGINEER

| APPROVED | ENGINEER | DATE |
|---|---|---|
| DRC Chairman | | |
| Transportation | | |
| Water/Wastewater | | |
| Hydrology | | |
| C I P | | |
| Constr. Coord. | | |
| Parks | | |

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

PROJECT NUMBER 766091

SHEET 1 OF 16

## GENERAL NOTES:

1 FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.

3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.

3a THE CONTRACTOR SHALL SURVEY EXISTING ALIGNMENT FROM ROW TO ROW AND VIDEO TAPE EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR RESTORING SITE TO EXISTING CONDITION OR BETTER AS DIRECTED BY CITY OF ALBUQUERQUE PROJECT MANAGER.

4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.

5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

6 ALL EXISTING WATER VALVE BOXES AND MANHOLES LOCATED WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

8 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.

9 ALL EXCAVATION TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.

12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.

14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.

15 THE CONTRACTOR WILL NOTIFY NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.

16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.

17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.

18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.

19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.

20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.

21 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.

22 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 16 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.

23 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III.

24 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.

25 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

26 ALL REINFORCING STEEL TO BE GRADE 60.

27 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.

28 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

29 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE CITY FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

30 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.

31 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.

32 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 764-1599, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

33 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

34 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

35 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.

36 THE CONTRACTOR WILL COORDINATE THE 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 UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

37 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

38 EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE CITY FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.

39 *THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID DOCUMENTS. THE CONTRACTOR MUST COORDINATE WITH THE AFFECTED BUSINESSES AND PROPERTY OWNERS IN ORDER TO PROVIDE ADEQUATE ACCESS TO BUSINESSES AND PROPERTIES. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS AND THE CITY (IN ACCORDANCE WITH THE SPECIFICATIONS.*

40 ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

41 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

42 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

43 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.

44 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.

45 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.

46 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.

47 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.

48 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.

49 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE COA ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

50 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.

51 PRE-WETTING OF THE EMBANKMENT FOUNDATION AND KEY TRENCH SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE EMBANKMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

52 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.

53 ALL RIP-RAP MATERIAL USED ON THIS PROJECT SHALL BE A NATURAL ROCK MATERIAL CONFORMING TO THE SIZE AND MATERIAL PROPERTY REQUIREMENTS SET FORTH IN THE COA STANDARD SPECIFICATIONS. NO BROKEN CONCRETE OR RUBBLE WILL BE ACCEPTED.

54 CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

55 ALL STRIPING ON C.O.A STREETS REMOVED OR DAMAGE MUST BE REPLACED WITH PLASTIC. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANNING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES (MAXIMUM) AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

56 FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

57 AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA RIGHT OF WAY (JERRY LOVATO 884-2215).

58 NO WORK WILL BE PERFORMED IN THE AMAFCA RIGHT OF WAY BETWEEN MAY 15 AND OCTOBER 15 WITHOUT WRITTEN PERMISSION FROM AMAFCA.

59 ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN THE AMAFCA RIGHT OF WAY. TESTING REPORTS SHALL BE PROVIDED TO THE AMAFCA FIELD ENGINEER.

60 AMAFCA FIELD ENGINEER WILL BE NOTIFIED 48 HOURS PRIOR TO FINAL INSPECTION OF ANY FACILITIES WITHIN THE AMAFCA RIGHT OF WAY.

61 ALL DISTURBED GROUND AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 1012 NATIVE GRASS SEEDING, AS CURRENTLY UPDATED.

62 ALL MEDIAN PAVEMENT USED ON THIS PROJECT SHALL BE "RED BRICK PATTERENED CONCRETE".

63 THE CONTRACTOR IS RESPONSIBLE TO OBTAIN AMAFCA SIGNATURES ON SHEET 2-3, SHEETS 4-1 THROUGH 4-6 AND SHEETS 5-3 AND 5-6 PRIOR TO WORKING IN AMAFCA RIGHT-OF-WAY.

64 ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

65 FIRE HYDRANTS ARE TO BE REMAIN OPERATIONAL AND ACCESSIBLE BY THE CITY OF ALBUQUERQUE FIRE DEPARTMENT FOR FIRE EMERGENCIES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE ALBUQUERQUE FIRE DEPARTMENT FOR DURATION OF THIS PROJECT. IF WATER SERVICE IS TO BE INTERRUPTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH CITY WATER UTILITY AND LOCAL RESIDENTS AND/BUSINESSES.

66 ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

67 DEWATERING SHALL BE BY POINT WELLS OUTSIDE THE TRENCH PRISM ONLY.

68 BEDDING, BACKFILL AND COMPACTION SHALL BE PER GEOTECH TRENCHING RECOMMENDATIONS.

69 ALL MANHOLES THAT ARE CONSTRUCTED IN THE GROUND WATER SHALL BE COATED ON THE EXTERIOR PER SECTION 920.4.6.1.

70 ALL NEW INTERCEPTOR MANHOLES SHALL HAVE INTERIOR EPOXY COATING PER SECTION 920.4.6.2 AND SUPPLEMENTAL SECTION 940 PARTICULARLY SECTIONS 940.14.4.1 AND 940.14.5 UNLESS OTHERWISE DIRECTED BY C.O.A. PROJECT MANAGER.

# RECORD DRAWING

## LEGEND:

- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING 2" HP GAS
- EXISTING XX" SAS
- EXISTING SAS
- EXISTING WATER
- EXISTING STORMDRAIN
- EXISTING BLOCK WALL
- EXISTING WATER VALVE
- EXISTING CATCH BASIN
- EXISTING WATER METER
- EXISTING MANHOLE SAS
- NEW MANHOLE SAS
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- SLIPLINE PIT
- EXISTING TRAFFIC LIGHT
- REMOVE & REPLACE ASPHALT PAVEMENT
- CITY OF ALBUQUERQUE
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR LINE
- EXISTING TREE
- EXISTING 8" PIGGY BACK SAS
- CENTERLINE
- TOP OF ASPHALT ELEVATION
- EXISTING BUILDING
- EXISTING CURB AND GUTTER
- SURVEY CONTROL POINT
- EXISTING SIGN
- ROW
- EXISTING EASEMENT LINE
- PROPERTY LINES
- PROPOSED EASEMENT LINE
- PROPOSED CONTOURS
- PROPOSED WATERLINE
- PROPOSED WATERLINE VALVE
- PROPOSED WATERLINE BEND
- PROPOSED FIRE HYDRANT

AS BUILT INFORMATION
CONTRACTOR NAME
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
AFFIDAVIT RECEIVED DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: 11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

ENGINEERS SEAL
5-16-06
NEW MEXICO 12933 REGISTERED PROFESSIONAL ENGINEER W. DANIEL BOLIVIN

| NO. | DATE | REMARKS | BY |
|---|---|---|---|

REVISIONS

| DESIGN | | DATE |
|---|---|---|
| DESIGNED BY | JAB | 6-27-05 |
| DRAWN BY | ADF | 6-27-05 |
| CHECKED BY | XX | 6-27-05 |

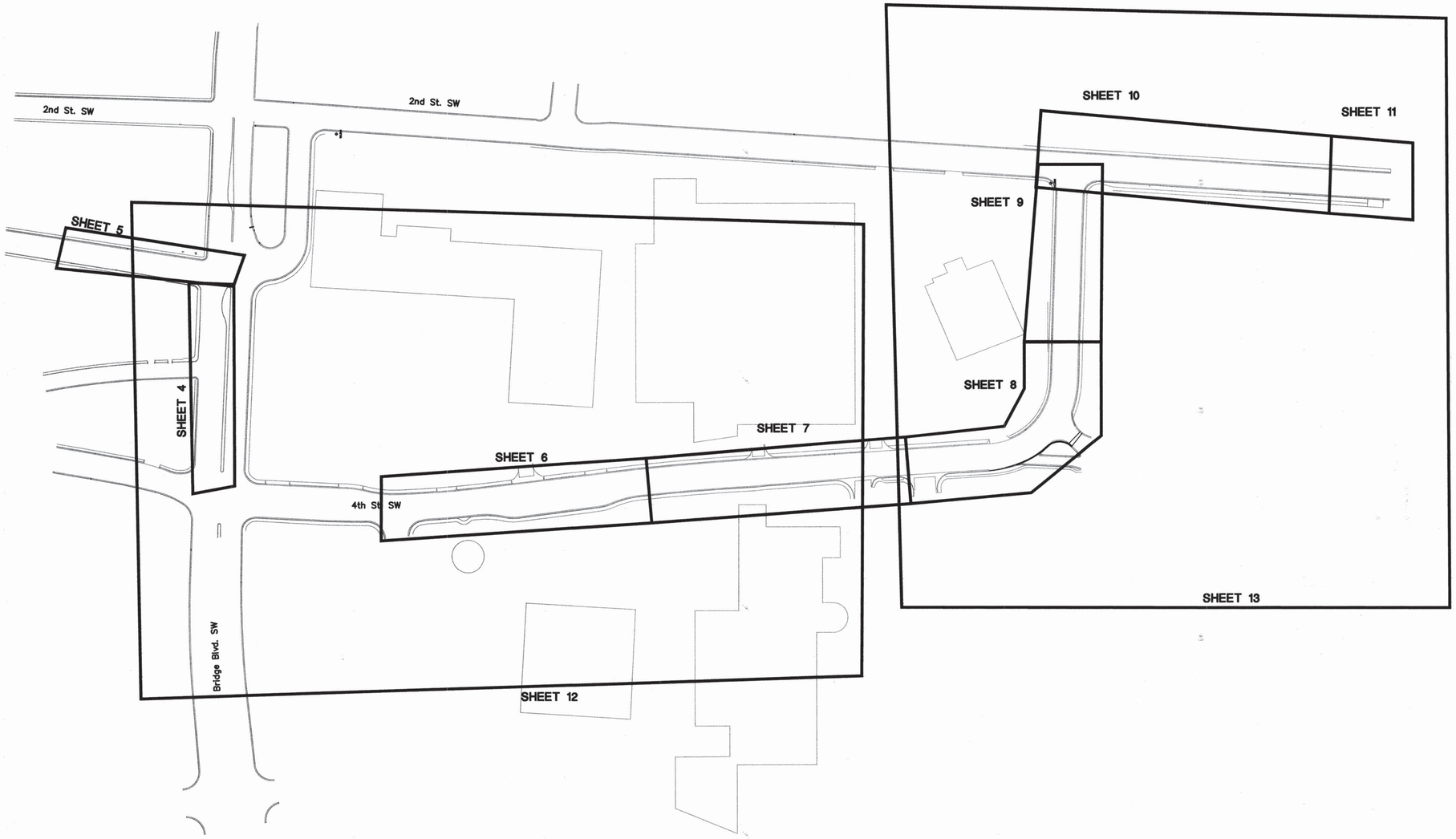
103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
GENERAL NOTES AND LEGEND

Design Review Committee | City Engineer Approval | Last Design Update | Mo. / Day / Yr. | Mo. / Day / Yr.

City Project No. 76609 | Zone Map No. L14 | Sheet 2 | Of 16




SCANNED BY
MESA REPRO

100' 50' 0 100' 200'
SCALE: 1" = 100'

# RECORD DRAWING

## AS BUILT INFORMATION

CONTRACTOR NAMES
WORK STAKED BY SEC DATE 5/06
INSPECTOR'S ACCEPTANCE BY SEC DATE 5/06
FIELD VERIFICATION BY SEC DATE 5/06
DRAWINGS CORRECTED BY SEC DATE 5/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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|---|---|
| LARKIN GROUP | 6/13/05 |
| 505-275-7500 | |

## ENGINEERS SEAL

NEW MEXICO 12933 DANIEL BOLIN REGISTERED PROFESSIONAL ENGINEER
5-16-06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

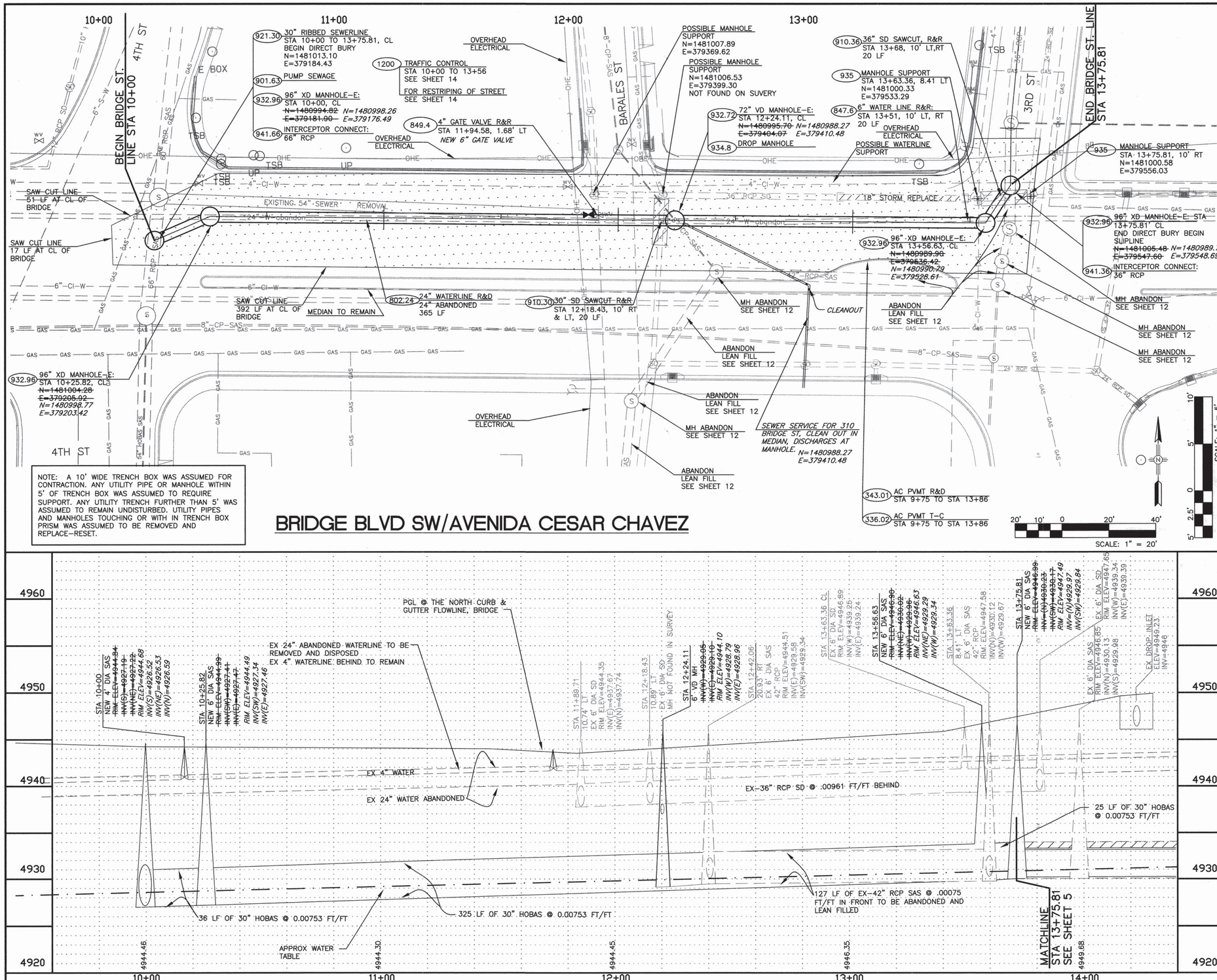
103114F
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
SITE PLAN

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 3 Of 16




NOTE: A 10' WIDE TRENCH BOX WAS ASSUMED FOR CONTRACTION. ANY UTILITY PIPE OR MANHOLE WITHIN 5' OF TRENCH BOX WAS ASSUMED TO REQUIRE SUPPORT. ANY UTILITY TRENCH FURTHER THAN 5' WAS ASSUMED TO REMAIN UNDISTURBED. UTILITY PIPES AND MANHOLES TOUCHING OR WITH IN TRENCH BOX PRISM WAS ASSUMED TO BE REMOVED AND REPLACE-RESET.

# BRIDGE BLVD SW/AVENIDA CESAR CHAVEZ




# RECORD DRAWING

## KEYED NOTES:

- 336.02 AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL ARTERIAL ASPHALT CONCRETE, TYPE A, TWO LIFTS OF 2.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2407.
- 343.01 AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, CURB TO SAW CUT, SAW CUT AS LOCATION SHOWN, PER SECTIONS 343.
- 802.24 24" WATERLINE R&D: CONTRACTOR SHALL REMOVE AND DISPOSE 24" WATERLINE, TRENCH NOT INCLUDED. COMPLETE IN PLACE.
- 847.6 6" WATERLINE R&R: REMOVE EXSITING WATERLINE AS SHOWN AND REPLACE WITH 6-INCH PVC WATERLINE. INCLUDING ALL RESTRAINTS AND BLOCKING PER SECTION 801.
- 849.4 4" GATE VALVE R&R: CONTRACTOR SHALL REMOVE & DISPOSE EXISTING 4" GATE VALVE, INCLUDES VALVE BOX AND COLLAR. AND REPLACE WITH NEW 4-INCH GATE VALVE AND AT LOCATION SHOWN, PER SECTION 801 (PARTICULARLY PARAGRAPH 801.3.3, 801.3.5, AND 801.3.6) AND DRAWING 2325.
- 901.63 PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST.
- 910.30 30" SD SAWCUT R&RESET: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 30" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.
- 910.36 36" SD SAWCUT R&RESET: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 36" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.
- 921.30 30" RIBBED SEWERLINE: INSTALL 30-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901 (MODIFIED FOR RIBBED PIPE) AND SUPPLIMENTAL SECTION 122.
- 932.72 72" XD MANHOLE-E: CONSTRUCT 72-INCH, TYPE-E, XTRA DEEP (OVER 14 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.
- 932.96 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, XTRA DEEP (OVER 14 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.
- 934.8 8" DROP MANHOLE: CONSTRUCT PER STANDARD DRAWING 2116.
- 935 MH SUPPORT: CONTRACTOR SHALL RESTRAIN & SUPPORT EXISTING MANHOLE EXPOSED OR ENDANGER OF EXPOSURE DURING TRENCHING & BACK FILL ACTIVATES.
- 941.36 INTERCEPTOR CONNECT: CONTRACTOR SHALL CONNECT EXISTING 36" INTERCEPTOR TO NEW MANHOLE
- 941.66 INTERCEPTOR CONNECT: CONTRACTOR SHALL CONNECT EXISTING 66" INTERCEPTOR TO NEW MANHOLE
- 1200 TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR NAME
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

ENGINEERS SEAL
DONALD W. BOVIN — NEW MEXICO — 12933 — REGISTERED PROFESSIONAL ENGINEER
5-16-06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

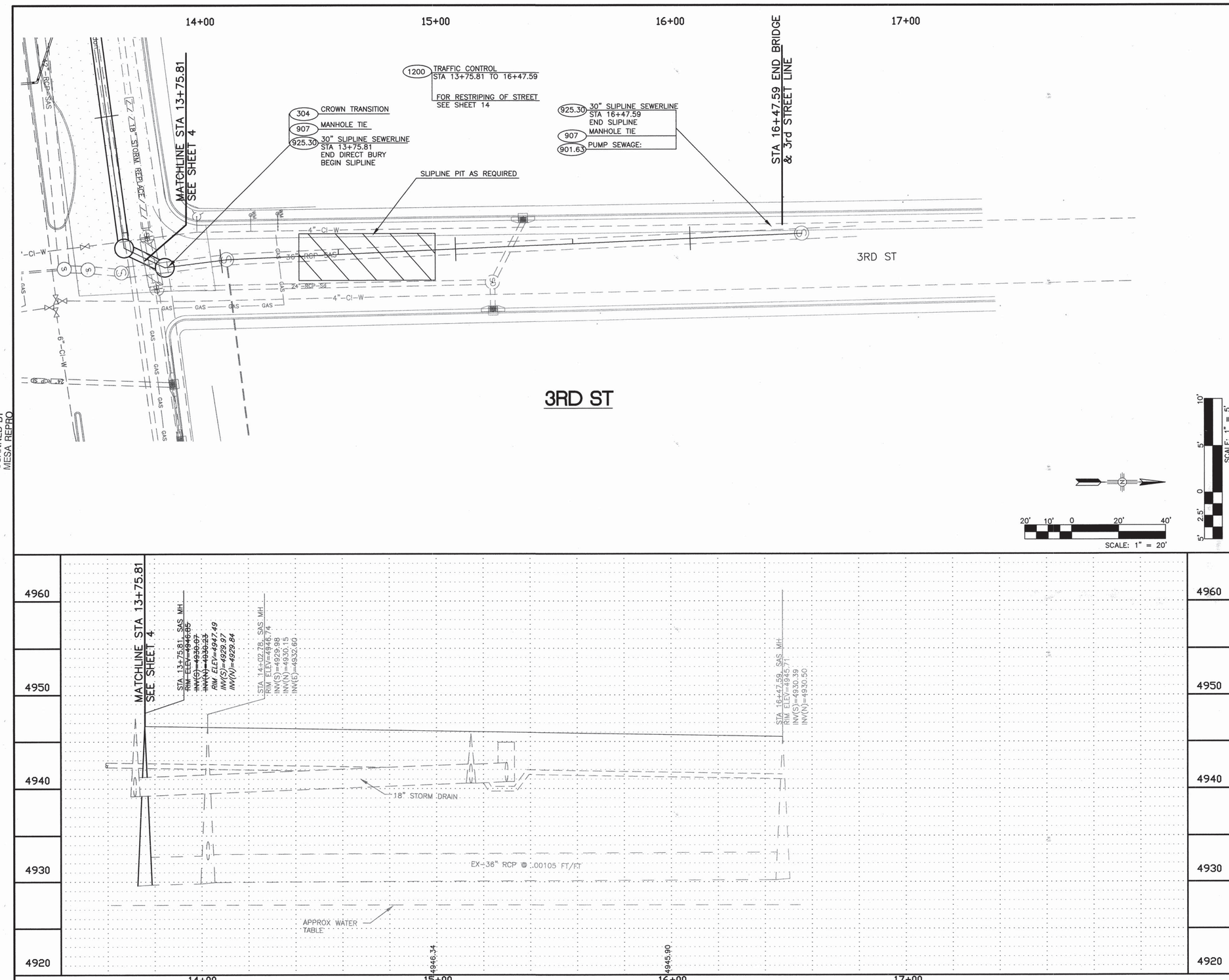
103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
PLAN AND PROFILE

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 4 | Of 16




SCANNED BY
MESA REPRO

## KEYED NOTES:

(304) *CROWN TRANSITION: CROWN TRANSITION FOR ALL STREET INTERSECTION TO BE MAINTAINED PER C.O.A. STD DWG. 2401.*

(901.63) PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST.

(907) MANHOLE TIE: CONTRACTOR SHALL PROPERLY MODIFY EXISTING MANHOLE(S) AS NECESSARY TO ACCOMMODATE SLIPLINER. CONTRACTOR TO INSURE A WATERTIGHT SEAL BETWEEN SLIP LINER AND MANHOLE WALL, FOR PROPER FLOWS THROUGH MANHOLE AND THAT THE MANHOLE OPERATES AS DESIGNED. SUPPLEMENTAL TECHNICAL SPECIFICATIONS SECTION 930.12, 930.13, 930.14.

(925.30) 30" SLIPLINE SEWERLINE: INSTALL 30-INCH SLIPLINE SEWERLINE AS SHOWN PER SUPPLIMENTAL SECTION 181, 185, 186 & 940.

(1200) TRAFFIC CONTROL: CONTRACTOR TO PROVIDE TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSBILE FOR COORDINATION WITH LOCAL RESIDENCES & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

### AS BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | | |
| WORK STAKED BY | SSC | DATE 5/06 |
| INSPECTOR'S ACCEPTANCE BY | SSC | DATE 5/06 |
| AS-BUILT VERIFICATION BY | SSC | DATE 5/06 |
| DRAWINGS CORRECTED BY | SSC | DATE 5/06 |
| MICRO-FILM INFORMATION | | |
| RECORDED BY | | DATE |
| NO. | | |

### BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

### ENGINEERS SEAL

5-16-06
W. DAVID JAVIN
NEW MEXICO
12933
REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

| | | |
|---|---|---|
| DESIGNED BY | JAB | DATE 6-27-05 |
| DRAWN BY | ADF | DATE 6-27-05 |
| CHECKED BY | XX | DATE 6-27-05 |

103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard N.E., Bldg. 64, Suite 200 Albuquerque, New Mexico 87110

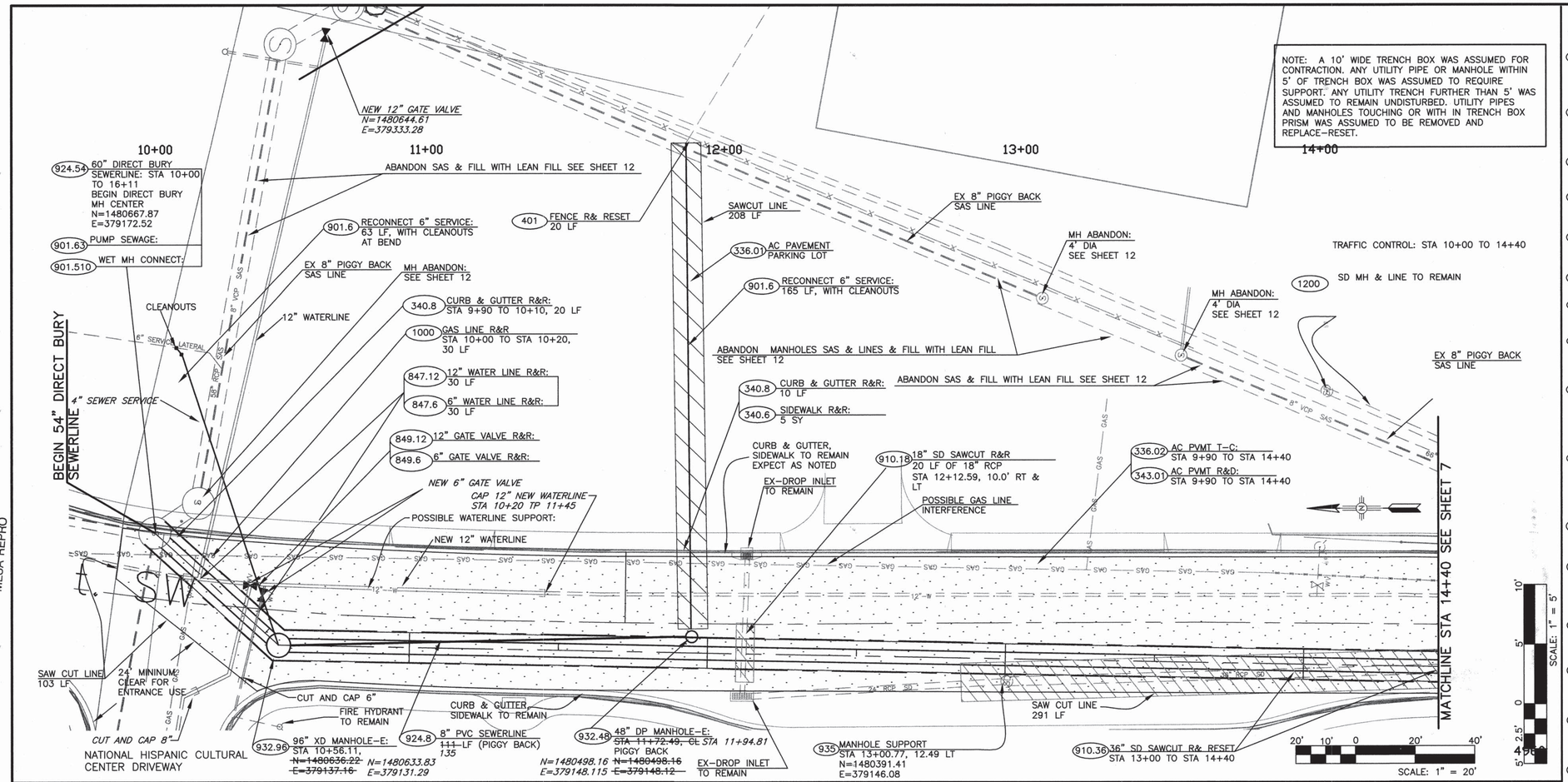
**CITY OF ALBUQUERQUE**
**4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR**

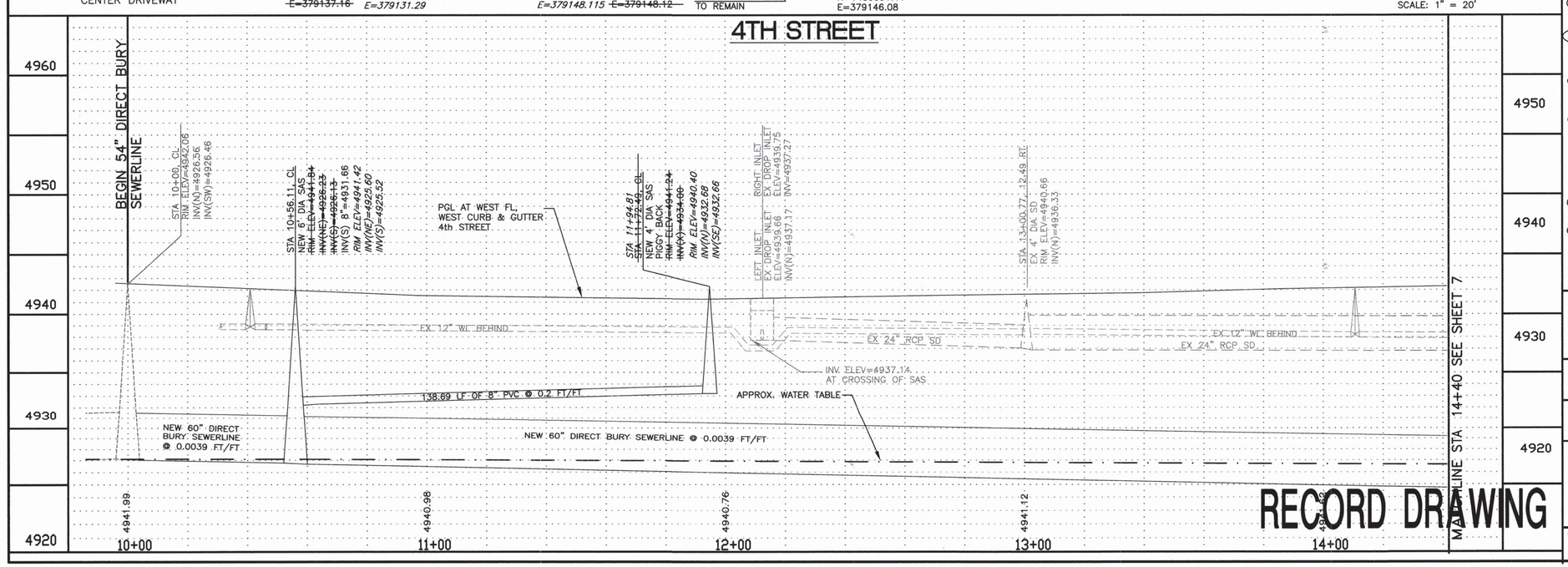
TITLE: **SEWER REHABILITATION**
**PLAN AND PROFILE STA. 13+75.81 - 16+47.59**

| Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr. |
|---|---|---|---|---|
| | | | | |

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 766091 | L14 | 5 | 16 |

RECORD DRAWING




## KEYED NOTES:

336.01 AC PVMT PARKING LOT: CONTRACTOR SHALL FURNISH AND INSTALL RESIDENTIAL ASPHALT CONCRETE, TYPE A, 1-INCH THICKER THAN EXISTING PVMT, 2 LIFTS MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2406.

336.02 AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL ARTERIAL ASPHALT CONCRETE, TYPE A, TWO LIFTS OF 2.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2407.

340.6 SIDEWALK R&R: CONTRACTOR SHALL REMOVE, DISPOSE AND REPLACE CONCRETE SIDEWALK AT LOCATION SHOWN AND PER SECTION 340 AND STD DWG 2430, 2431, & 2432.

340.8 CURB & GUTTER R&R: CONTRACTOR SHALL REMOVE, DISPOSE AND REPLACE CONCRETE CURB & GUTTER AT LOCATION SHOWN AND PER SECTION 340 AND STD DWG 2415A.

343.01 AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, CURB TO CURB, SAW CUT AS LOCATION SHOWN, PER SECTIONS 343.

401 FENCE R& RESET: CONTRACTOR SHALL REMOVE EX-FENCE AND REINSTALL, CIP

847.6 6" WATERLINE R&R: REMOVE EXSITING WATERLINE AS SHOWN AND REPLACE WITH 6-INCH PVC WATERLINE. INCLUDING ALL RESTRAINTS AND BLOCKING PER SECTION 801.

847.12 12" WATERLINE R&R: REMOVE EXISTING WATERLINE AS SHOWN AND REPLACE WITH 12-INCH PVC WATERLINE. INCLUDING ALL, FITTINGS, RESTRAINTS AND BLOCKING PER SECTION 801.

849.6 6" GATE VALVE R&R: CONTRACTOR SHALL REMOVE & DISPOSE EXISTING 6" GATE VALVE, INCLUDES VALVE BOX AND COLLAR. AND REPLACE WITH NEW X-INCH GATE VALVE AND AT LOCATION SHOWN, PER SECTION 801 (PARTICULARLY PARAGRAPH 801.3.3, 801.3.5, AND 801.3.6) AND DRAWING 2325.

849.12 12" GATE VALVE R&R: CONTRACTOR SHALL REMOVE & DISPOSE EXISTING 12" GATE VALVE, INCLUDES VALVE BOX AND COLLAR. AND REPLACE WITH NEW X-INCH GATE VALVE AND AT LOCATION SHOWN, PER SECTION 801 (PARTICULARLY PARAGRAPH 801.3.3, 801.3.5, AND 801.3.6) AND DRAWING 2325.

901.6 WET MH CONNECT: CONNECT SEWER LINE TO EXISTING MANHOLE, 16" TO 30" PIPE, INCL. RESHAPING OF INVERTS & SHELVES.

901.51 RECONNECT 6" SERVICE: RECONNECT EXISTING SANITARY SEWER SERVICE TO NEW SANITARY SEWER PER SECTION 905 (PARTICULARLY PARAGRAPH 905.6) @ LOCATION SHOWN WITH CLEAN OUTS AS REQUIRED. CONTACTOR MAY HAVE TO POT HOLE TO LOCATE EX-SAS SERVICE LINE.

901.63 PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST.

910.18 18" SD SAWCUT R&RESET: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 18" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.

910.36 36" SD SAWCUT R&RESET: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 36" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.

924.8 8" PVC SEWERLINE: INSTALL 8-INCH PVC SEWERLINE (PIGGY BACK) AS SHOWN AND PER SECTION 901.

924.60 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901.

932.48 48" DP MANHOLE-E: CONSTRUCT 48-INCH, TYPE-E, DEEP (6 TO 10 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.

932.96 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, XTRA DEEP (OVER 14 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.

935 MH SUPPORT: CONTRACTOR SHALL RESTRAIN & SUPPORT EXISTING MANHOLE EXPOSED OR ENDANGER OF EXPOSURE DURING TRENCHING & BACK FILL ACTIVATES.

1000 GAS LINE R&R: CONTRACTOR SHALL COORDINATE WITH PNM TO REMOVE AND REPLACE GAS LINE IN TRENCH PRISM.

1200 TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

### AS BUILT INFORMATION

CONTRACTOR Nmwest

| | | DATE |
|---|---|---|
| WORK STAKED BY | SEB | 5/04 |
| INSPECTORS ACCEPTANCE BY | SEB | 5/04 |
| FIELD VERIFICATION BY | SEB | 5/04 |
| DRAWINGS CORRECTED BY | SEB | 5/04 |

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

### BENCH MARKS

STATION NAME: 11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 FT. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### SURVEY INFORMATION

| FIELD NOTES NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

### ENGINEERS SEAL

DANIEL BOLVIN III
NEW MEXICO
12933
REGISTERED PROFESSIONAL ENGINEER
5-10-06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

| | | DATE |
|---|---|---|
| DESIGNED BY | JAB | 6-27-05 |
| DRAWN BY | ADF | 6-27-05 |
| CHECKED BY | XX | 6-27-05 |

103114F

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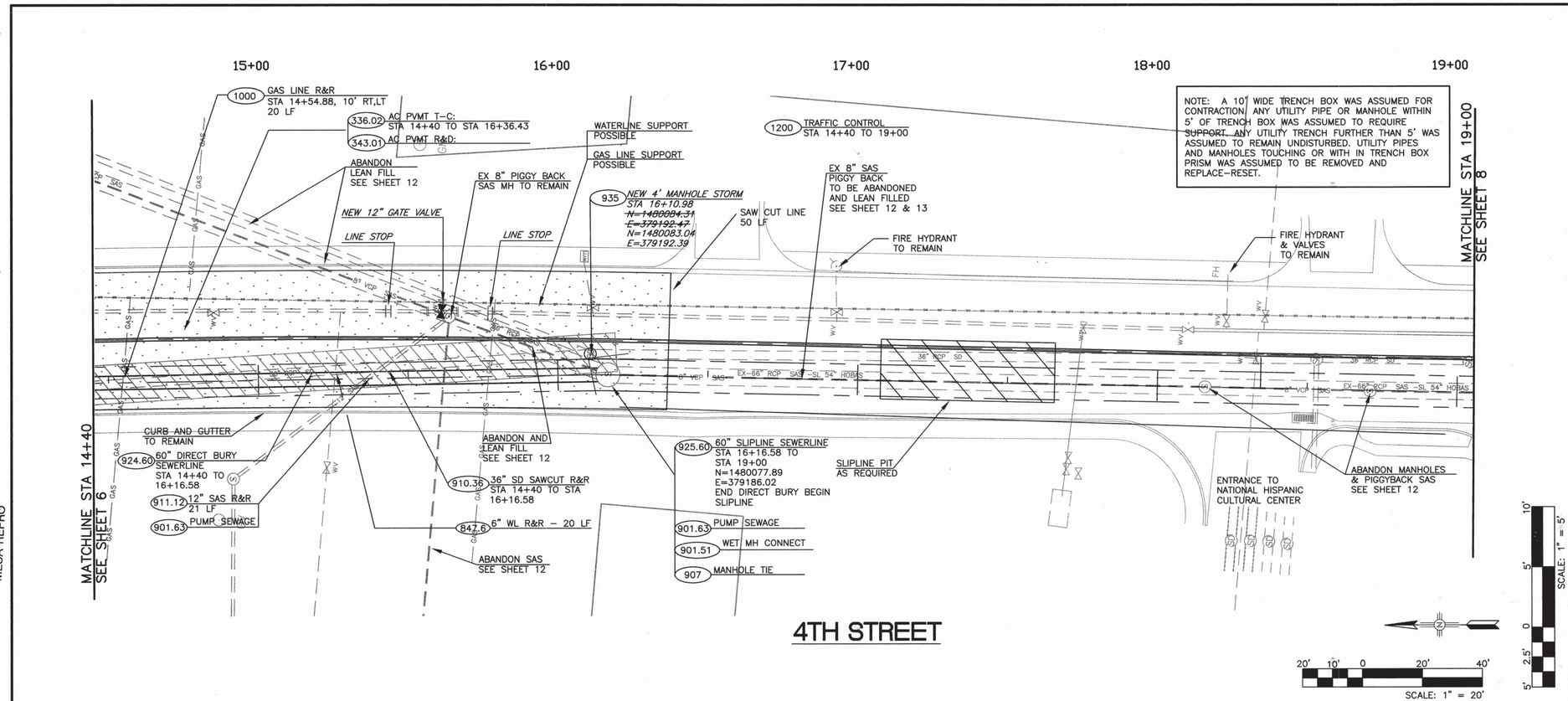
A Full Service Engineering Company
5301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

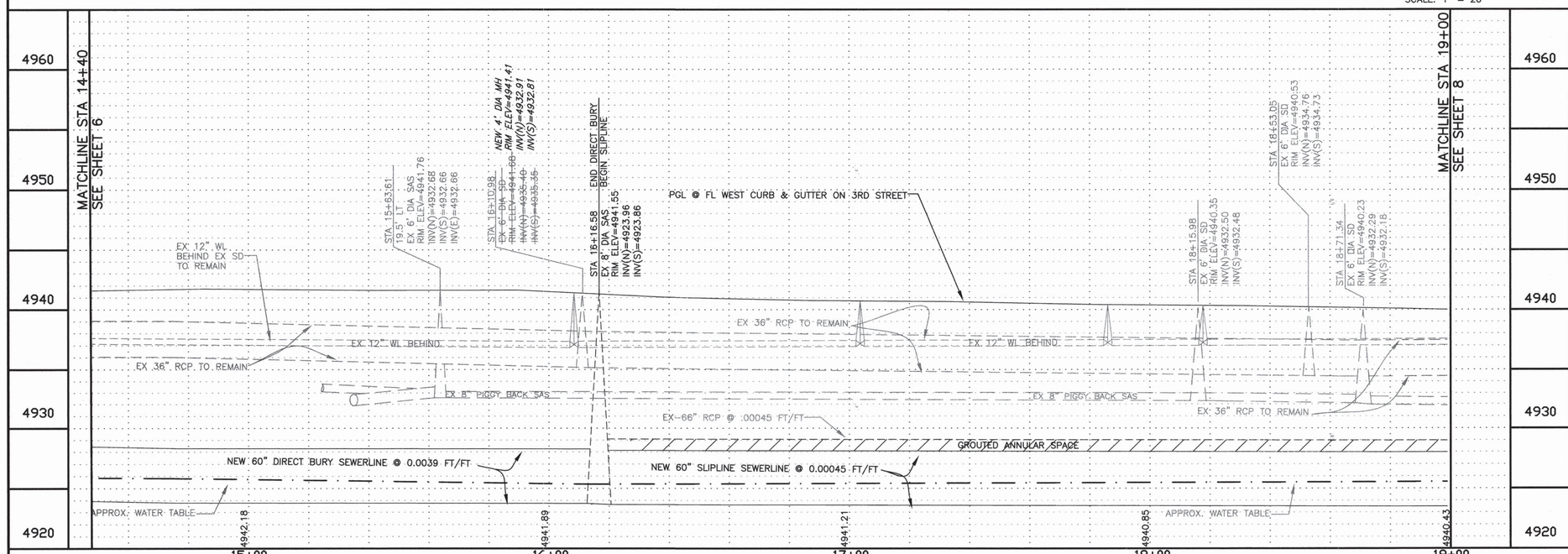
**CITY OF ALBUQUERQUE**
**4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR**

TITLE: **SEWER REHABILITATION**
**PLAN AND PROFILE STA 10+00 TO STA 14+40 4TH STREET**

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 6 Of 16




# RECORD DRAWING

## KEYED NOTES:

336.02 AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL ARTERIAL ASPHALT CONCRETE, TYPE A, TWO LIFTS OF 2.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2407.

343.01 AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, NO SAW CUT PER SECTIONS 343.

847.6 6" WATERLINE R&R: REMOVE EXSITING WATERLINE AS SHOWN AND REPLACE WITH 6-INCH PVC WATERLINE. INCLUDING ALL RESTRAINTS AND BLOCKING PER SECTION 801.

901.51 WET MH CONNECT: CONNECT SEWER LINE TO EXISTING MANHOLE, 16" TO 30" PIPE, INCL. RESHAPING OF INVERTS & SHELVES.

901.63 PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST.

907 MANHOLE TIE: CONTRACTOR SHALL PROPERLY MODIFY EXISTING MANHOLE(S) AS NECESSARY TO ACCOMMODATE SLIPLINER. CONTRACTOR TO INSURE A WATERTIGHT SEAL BETWEEN SLIP LINER AND MANHOLE WALL, FOR PROPER FLOWS THROUGH MANHOLE AND THAT THE MANHOLE OPERATES AS DESIGNED. SUPPLEMENTAL TECHNICAL SPECIFICATIONS SECTION 930.12, 930.13, 930.14.

910.36 SD SAWCUT R&RESET: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 36" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.

911.12 SAS SAWCUT R&R: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING SAS AND REPLACE WITH 12" PVC SAS LINE AND VCP TO PVC COUPLING, PER SECTION 901.

924.60 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901.

925.60 60" SLIPLINE SEWERLINE: INSTALL 60-INCH SLIPLINE SEWERLINE AS SHOWN PER SUPPLIMENTAL SECTION 181, 185, 186 & 940.

935 MH SUPPORT: CONTRACTOR SHALL RESTRAIN & SUPPORT EXISTING MANHOLE EXPOSED OR ENDANGER OF EXPOSURE DURING TRENCHING & BACK FILL ACTIVATES.

1000 GAS LINE R&R: CONTRACTOR SHALL COORDINATE WITH PNM TO REMOVE AND REPLACE GAS LINE IN TRENCH PRISM.

1200 TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

### AS BUILT INFORMATION

CONTRACTOR Nawvet

| | | DATE |
|---|---|---|
| WORK STAKED BY | see | 5/16 |
| INSPECTOR'S ACCEPTANCE BY | see | 5/16 |
| AS BUILT VERIFICATION BY | see | 5/16 |
| DRAWINGS CORRECTED BY | see | 5/16 |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

### BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
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SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

### ENGINEERS SEAL

DANIEL J. BOVIN NEW MEXICO 12933 REGISTERED PROFESSIONAL ENGINEER
5.16.06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

| | | DATE |
|---|---|---|
| DESIGNED BY | JAB | 6-27-05 |
| DRAWN BY | ADF | 6-27-05 |
| CHECKED BY | XX | 6-27-05 |

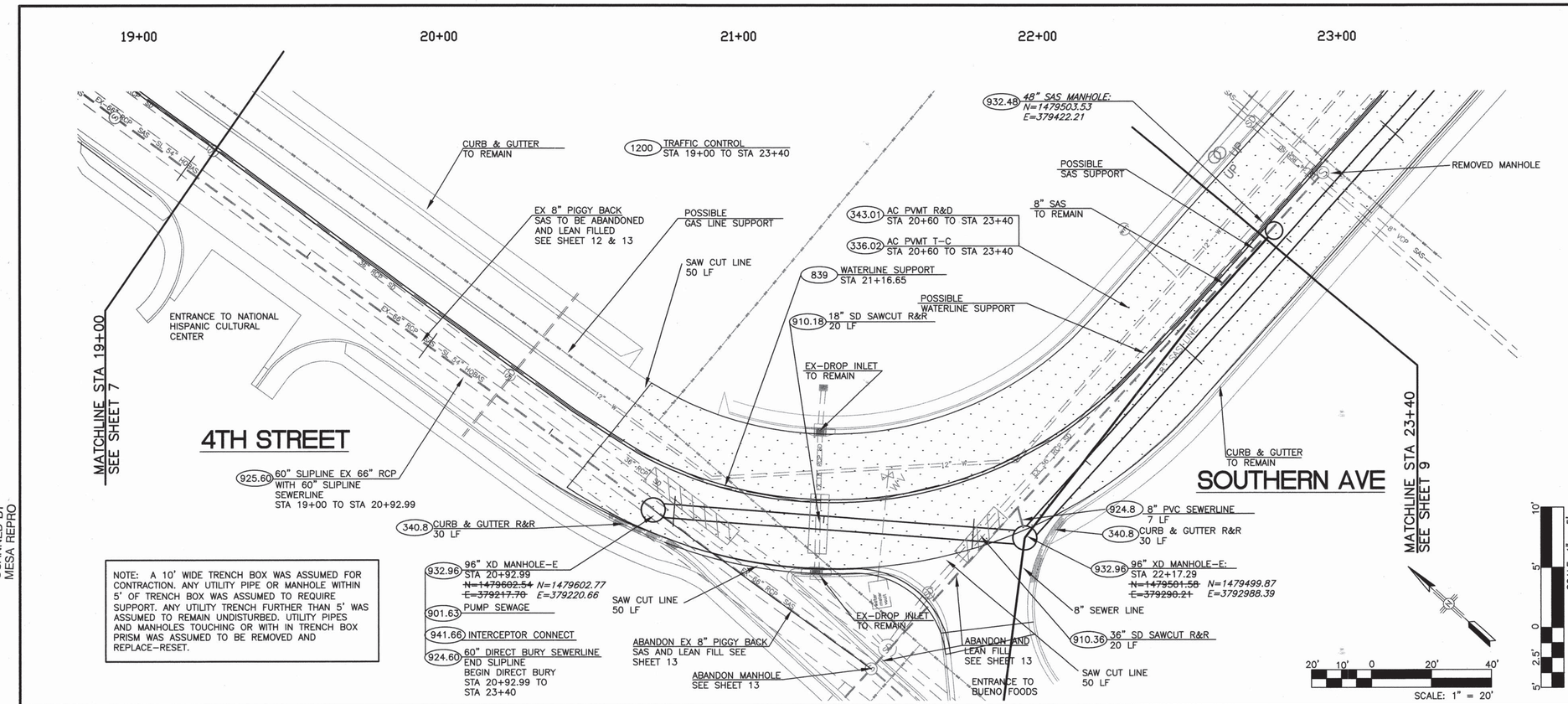
103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

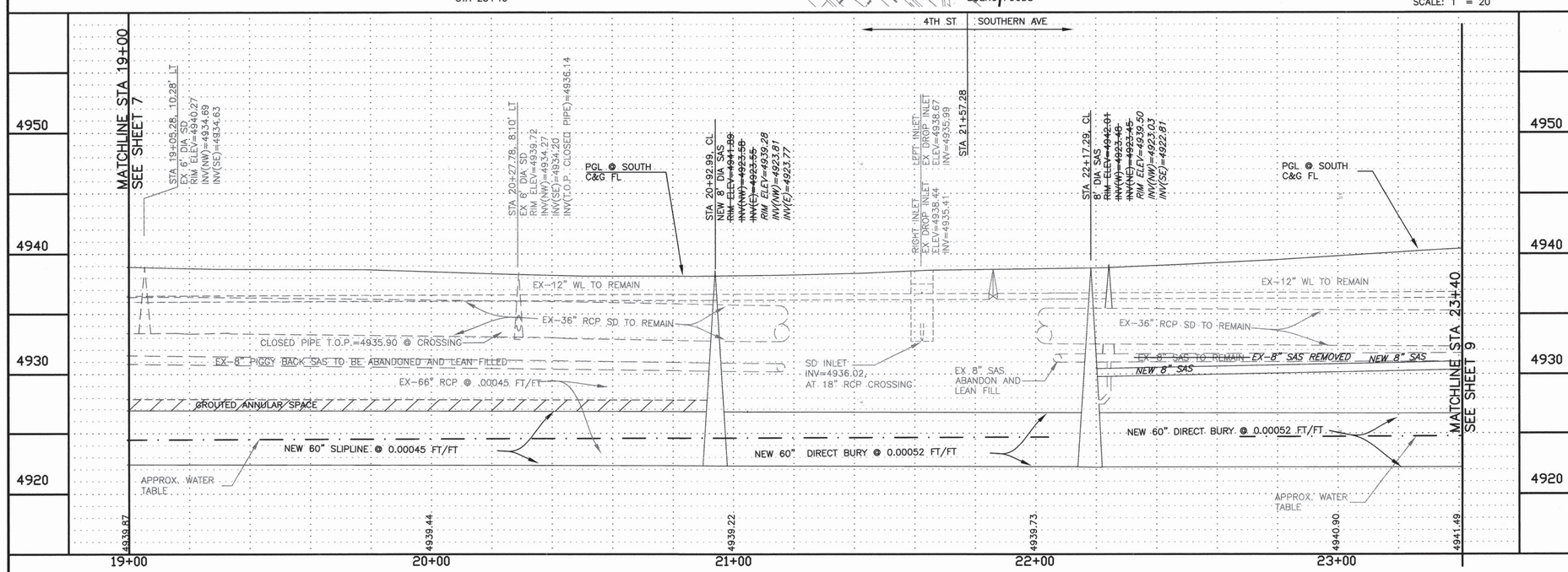
TITLE: SEWER REHABILITATION
PLAN AND PROFILE STA 14+40 TO STA 19+00 4TH STREET

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 7 | Of 16




NOTE: A 10' WIDE TRENCH BOX WAS ASSUMED FOR CONTRACTION. ANY UTILITY PIPE OR MANHOLE WITHIN 5' OF TRENCH BOX WAS ASSUMED TO REQUIRE SUPPORT. ANY UTILITY TRENCH FURTHER THAN 5' WAS ASSUMED TO REMAIN UNDISTURBED. UTILITY PIPES AND MANHOLES TOUCHING OR WITH IN TRENCH BOX PRISM WAS ASSUMED TO BE REMOVED AND REPLACE-RESET.




RECORD DRAWING

## KEYED NOTES:

336.02 AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL ARTERIAL ASPHALT CONCRETE, TYPE A, TWO LIFTS OF 2.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2407.

340.8 CURB & GUTTER R&R: CONTRACTOR SHALL REMOVE, DISPOSE AND REPLACE CONCRETE CURB & GUTTER AT LOCATION SHOWN AND PER SECTION 340 AND STD DWG 2415A.

343.01 AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, NO SAW CUT PER SECTIONS 343.

839 WATERLINE SUPPORT: CONTRACTOR SHALL SUPPORT AND RESTRAIN EXISTING WATERLINE AS REQUIRED FOR INSTALLATION OF NEW 24" SAS LINE. FIRE HYDRANTS ARE TO BE REMAIN OPERATIONAL AND ACCESSIBLE BY THE CITY OF ALBUQUERQUE FIRE DEPARTMENT FOR FIRE EMERGENCIES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE ALBUQUERQUE FIRE DEPARTMENT FOR DURATION OF THIS PROJECT. IF WATER SERVICE IS TO BE INTERRUPTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH CITY WATER UTILITY AND LOCAL RESIDENTS.

901.63 PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST.

910.18 18" SD SAWCUT R&R: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 18" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.

910.36 36" SD SAWCUT R&R: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 36" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910.

924.8 8" PVC SEWERLINE: INSTALL 8-INCH PVC SEWERLINE AS SHOWN AND PER SECTION 901.

924.60 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901.

925.60 60" SLIPLINE SEWERLINE: INSTALL 60-INCH SLIPLINE SEWERLINE AS SHOWN PER SUPPLIMENTAL SECTION 181, 185, 186 & 940.

932.48 48" MANHOLE-E: CONSTRUCT 48-INCH, TYPE-E, MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.

932.96 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.

934.8 8" DROP MANHOLE: CONSTRUCT PER STANDARD DRAWING 2116.

941.66 INTERCEPTOR CONNECT: CONTRACTOR SHALL CONNECT EXISTING 66" INTERCEPTOR TO NEW MANHOLE

1200 TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR Simmons
WORK DONE BY — DATE 5-06
INSPECTOR'S ACCEPTANCE BY — DATE 5-06
AFTER VERIFICATION BY — DATE 5-06
DRAWINGS CORRECTED BY — DATE 5-06
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION
FIELD NOTES

| NO. BY | DATE |
|---|---|
| LARKIN GROUP | 6/13/05 |
| 505-275-7500 | |

ENGINEERS SEAL
W. DANIEL BOVIN NEW MEXICO 12333 REGISTERED PROFESSIONAL ENGINEER
5-14-06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

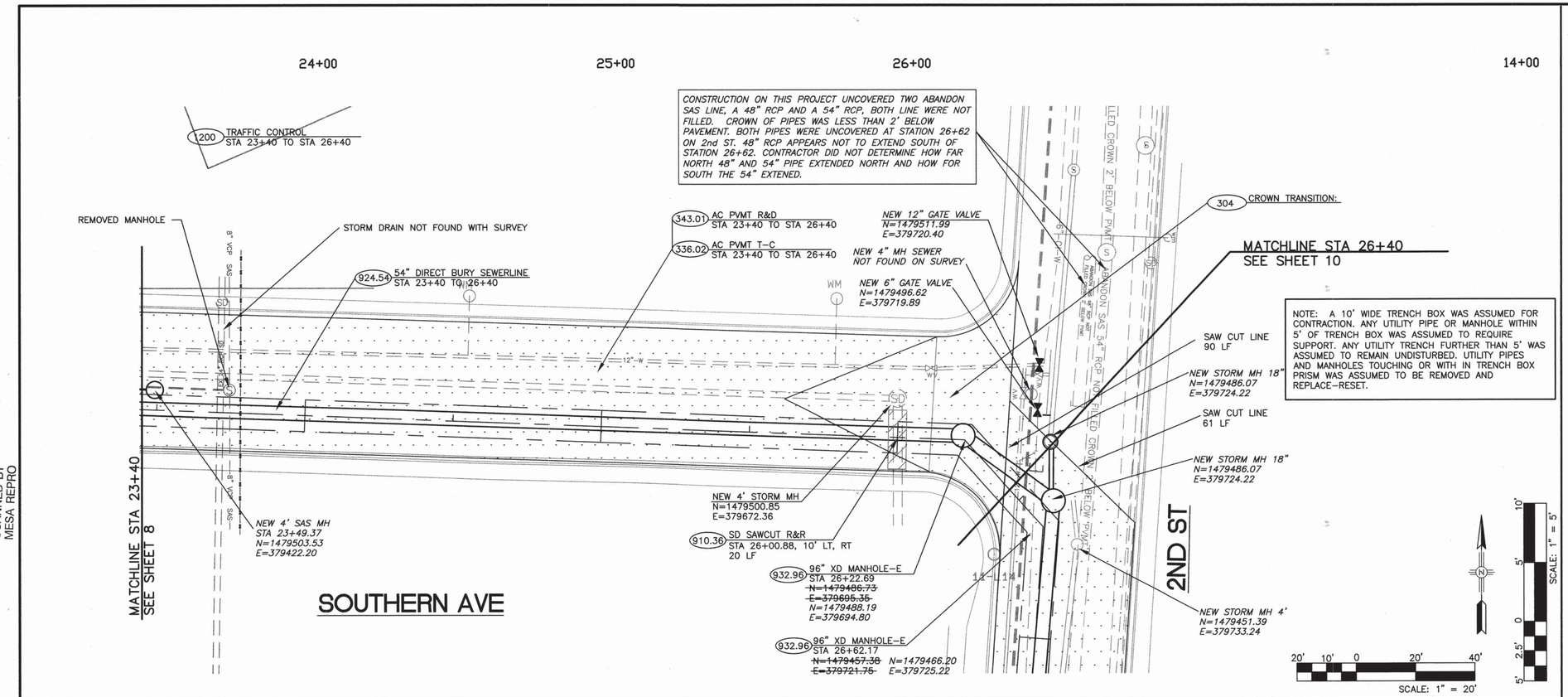
103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

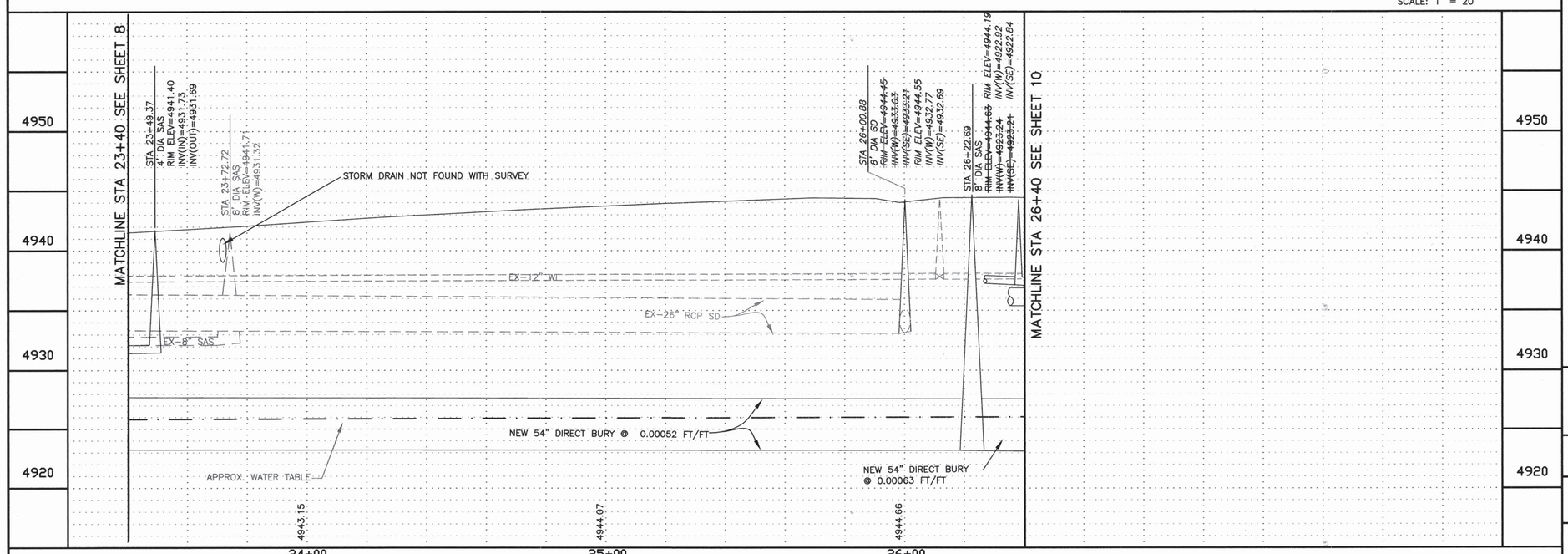
CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
PLAN AND PROFILE STA 19+00 TO 23+40

Design Review Committee | City Engineer Approval | Last Design Update | Mo. / Day / Yr. | Mo. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 8 | Of 16




RECORD DRAWING

## KEYED NOTES:

| | |
|---|---|
| 304 | CROWN TRANSITION: CROWN TRANSITION FOR SOUTHERN & 2nd STREET INTERSECTION TO BE MAINTAINED PER C.O.A. STD DWG. 2401. |
| 336.02 | AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL ARTERIAL ASPHALT CONCRETE, TYPE A, TWO LIFTS OF 2.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2407. |
| 343.01 | AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, NO SAW CUT PER SECTIONS 343. |
| 910.36 | SD SAWCUT R&R: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 36" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL 'A' SHEET 11 AND SECTION 910. |
| 924.60 | 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901. |
| 932.96 | 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, XTRA DEEP (14 TO 20 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102. |
| 935 | MH SUPPORT: CONTRACTOR SHALL RESTRAIN & SUPPORT EXISTING MANHOLE EXPOSED OR ENDANGER OF EXPOSURE DURING TRENCHING & BACK FILL ACTIVATES. |
| 1200 | TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION. |

AS BUILT INFORMATION
CONTRACTOR Nauvoi
WORK STAKED BY Sec. DATE 5/06
INSPECTOR'S ACCEPTANCE BY Sec. DATE 5/06
FIELD VERIFICATION BY Sec. DATE 5/06
DRAWINGS CORRECTED BY Sec. DATE 5/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION

| FIELD NOTES | | |
|---|---|---|
| NO. BY | DATE | |
| LARKIN GROUP | 6/13/05 | |
| 505-275-7500 | | |

ENGINEERS SEAL
W. DAVID BOVIN
NEW MEXICO
12933
REGISTERED PROFESSIONAL ENGINEER
10-10-5

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

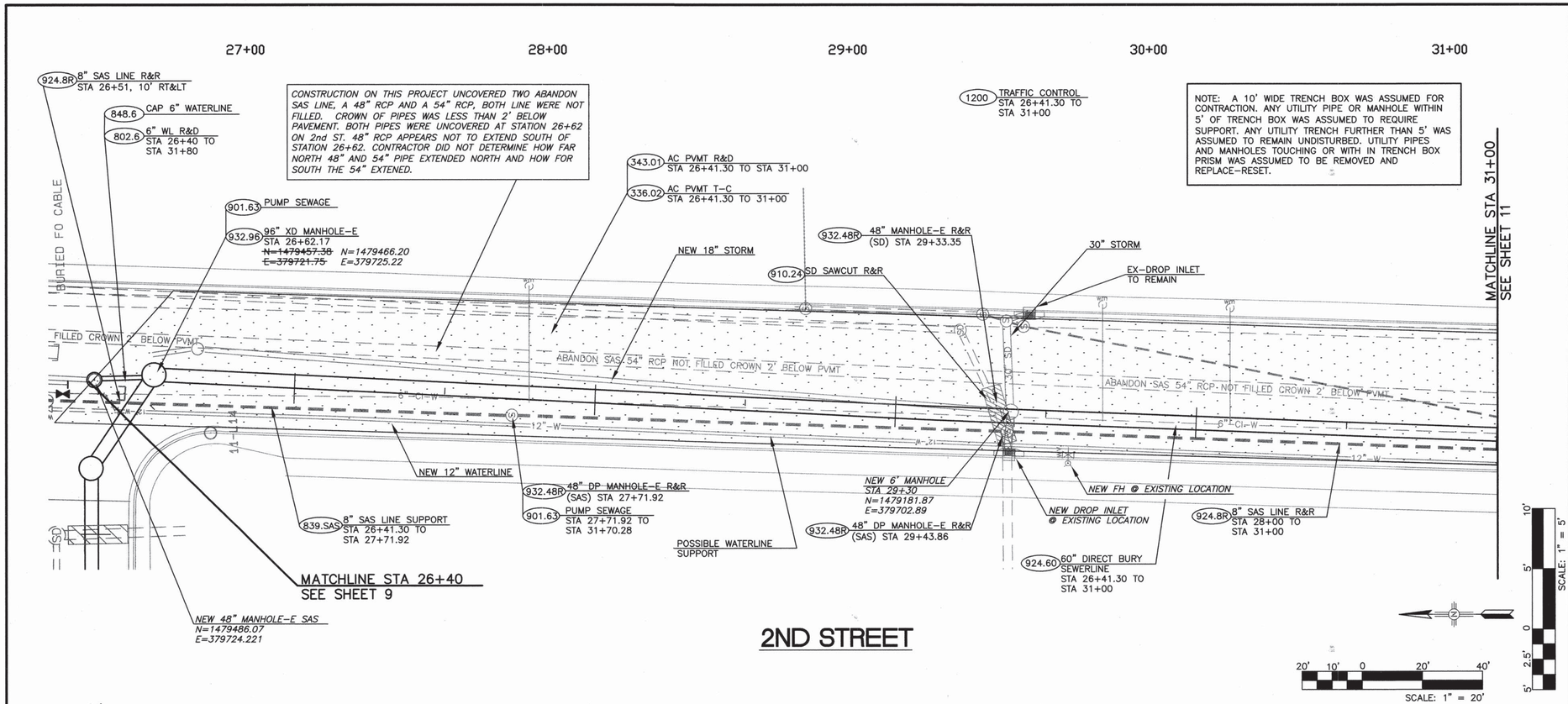
103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard. N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

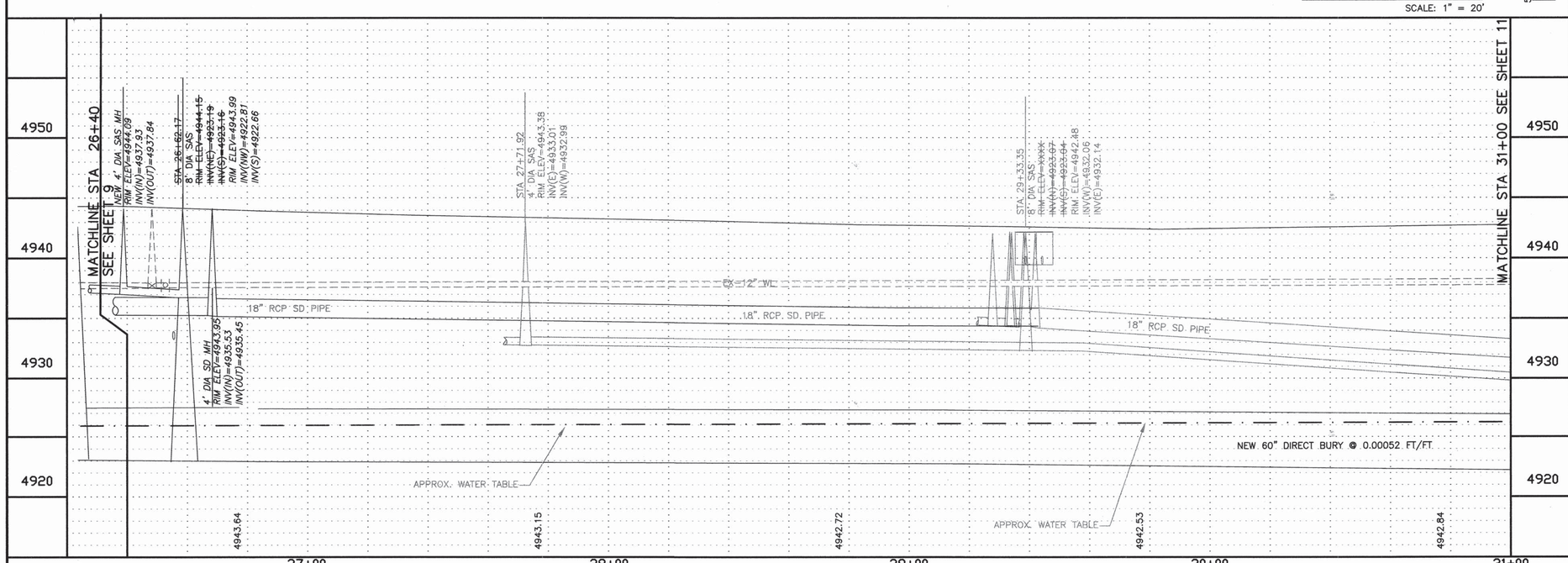
CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
PLAN AND PROFILE
STA 23+40 TO 26+36.02 SOUTHERN

Design Review Committee | City Engineer Approval | Last Design Update | Mo. / Day / Yr. | Mo. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 9 Of 16




RECORD DRAWING

## KEYED NOTES:

| | |
|---|---|
| 336.02 | AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL RESIDENTIAL ASPHALT CONCRETE, TYPE C, TWO LIFTS OF 1.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2405A. |
| 343.01 | AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, NO SAW CUT PER SECTIONS 343. |
| 802.6 | 6" WL R&D: REMOVE & DISPOSE EX-WATERLINE EXPOSED BY SAS TRENCH PRISM TO BE ABANDONED. |
| 839.SAS | SAS LINE SUPPORT: CONTRACTOR SHALL RESTRAIN & SUPPORT EXISTING SEWER LINE EXPOSED OR ENDANGER OF EXPOSURE DURING TRENCHING & BACK FILL ACTIVATES. |
| 848.6 | 6" CAP: INSTALL 6-INCH, CAP AT LOCATION SHOWN PER SECTION 801. |
| 901.63 | PUMP SEWAGE: CONTRACTOR SHALL PUMP SEWAGE BETWEEN MANHOLES FOR SAS LINE REPLACEMENT OR REPAIR. INCLUDES, PUMP, PIPING, CONNECTIONS, CONTROLS, PERSONNEL AND OPERATIONAL COST. |
| 910.24 | SD SAWCUT R&R: CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING AND REPLACE 24" SD RCP LINE, CONCRETE COLLARS SHALL BE USED AT SAW CUTS PER DETAIL "A" SHEET 11 AND SECTION 910. |
| 924.8R | 8" SAS LINE R&R: CONTRACTOR SHALL REMOVE AND REPLACE EXISTING 8-INCH SEWER LINE WITHIN TRENCH PRISM WITH 8-INCH PVC SEWERLINE AS SHOWN AND PER SECTION 901. |
| 924.60 | 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901. |
| 932.48R | 48" DP MANHOLE-E R&R: REMOVE EXISTING MANHOLE WITHIN TRENCH PRISM AND REPLACE WITH 48-INCH, TYPE-E, DEEP (6 TO 10 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102. |
| 932.96 | 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102. |
| 1200 | TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION. |

SCANNED BY MESA REPRO

AS BUILT INFORMATION

CONTRACTOR NAME

| | | DATE |
|---|---|---|
| WORK STAKED BY | Sen | 5/06 |
| INSPECTOR'S ACCEPTANCE BY | Sen | 5/06 |
| FIELD VERIFICATION BY | Sen | 5/06 |
| DRAWINGS CORRECTED BY | Sen | 5/06 |

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 FT. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

ENGINEER'S SEAL

W. DANIEL BOLIN NEW MEXICO 12933 REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

| | | DATE |
|---|---|---|
| DESIGNED BY | JAB | 6-27-05 |
| DRAWN BY | ADF | 6-27-05 |
| CHECKED BY | XX | 6-27-05 |

103114F

Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard. N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

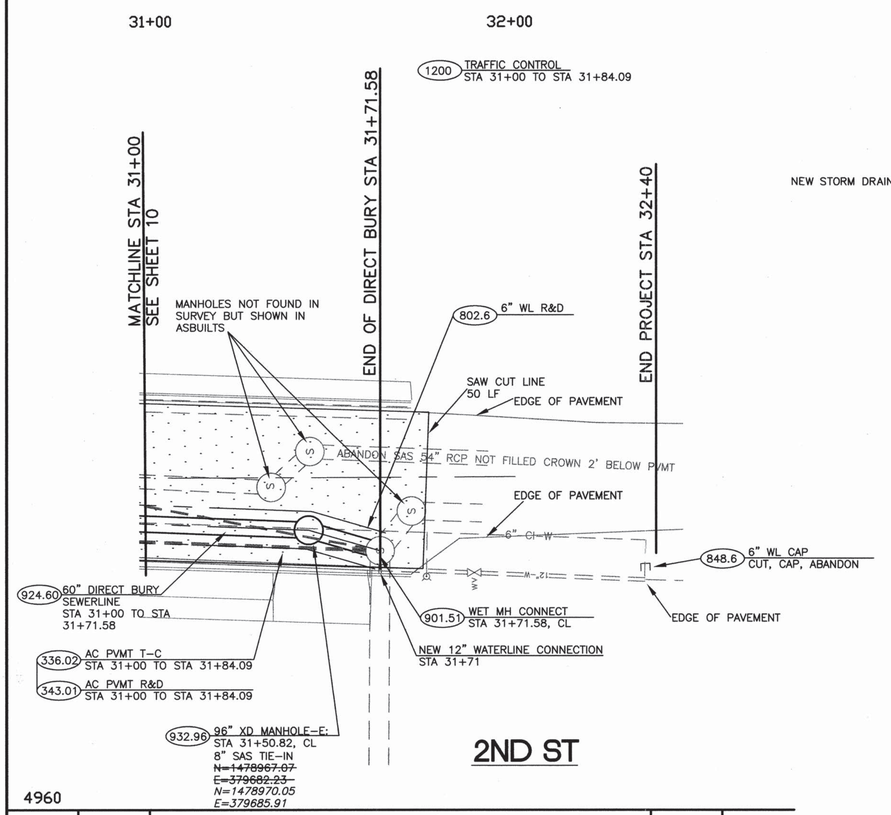
CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

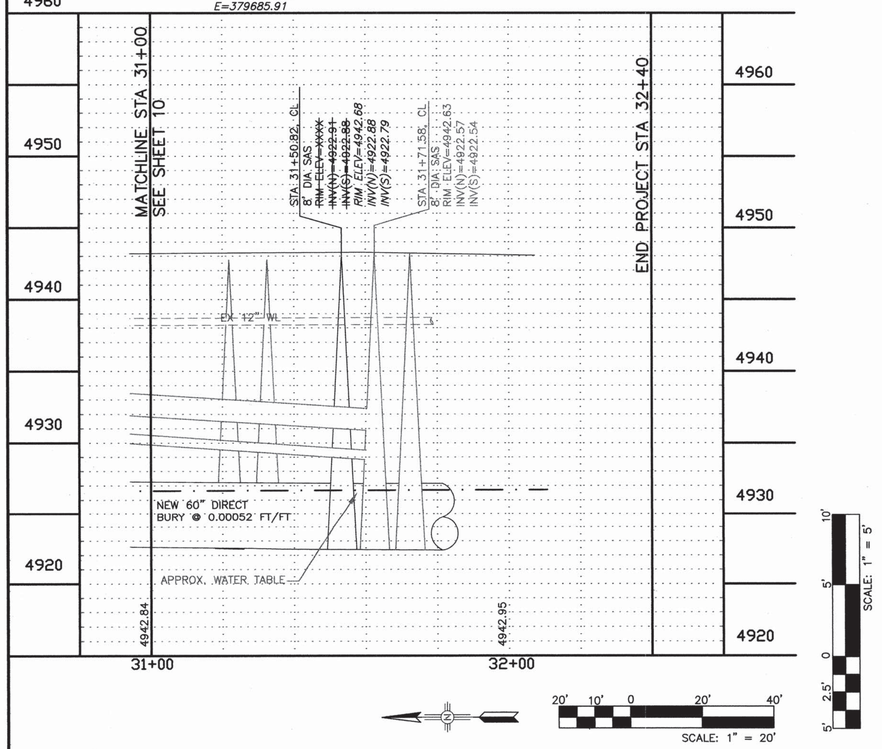
TITLE: SEWER REHABILITATION

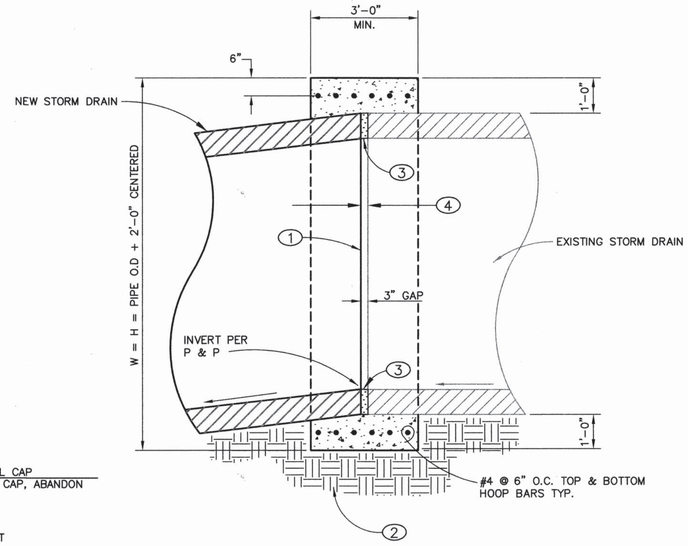
PLAN AND PROFILE STA 26+36.02 TO STA 31+00

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 10 | Of 16




RPCC COLLAR (A)
N.T.S.

## NOTES:

1. SAWCUT EXISTING RCP AT SPECIFIED STATION TO CONSTRUCT COLLAR.
2. 12" SUBGRADE COMPACTED TO 95% ASTM D-1557.
3. AFTER CONSTRUCTION OF COLLAR, FILL 3" GAP WITH 6000 PSI EPOXY GROUT. FINISH SMOOTH TO MATCH INTERIOR FINISH OF PIPE.
4. GAP NOT TO EXCEED 3".

NOTE: A 10' WIDE TRENCH BOX WAS ASSUMED FOR CONTRACTION. ANY UTILITY PIPE OR MANHOLE WITHIN 5' OF TRENCH BOX WAS ASSUMED TO REQUIRE SUPPORT. ANY UTILITY TRENCH FURTHER THAN 5' WAS ASSUMED TO REMAIN UNDISTURBED. UTILITY PIPES AND MANHOLES TOUCHING OR WITH IN TRENCH BOX PRISM WAS ASSUMED TO BE REMOVED AND REPLACE-RESET.

## KEYED NOTES:

- 336.02 AC PVMT T-C: CONTRACTOR SHALL FURNISH AND INSTALL RESIDENTIAL ASPHALT CONCRETE, TYPE C, TWO LIFTS OF 1.5-INCH MACHINE LAYDOWN, COMPLETE AND IN PLACE, PER SECTIONS 116, 336 AND STD DWG 2405A.
- 343.01 AC PVMT R&D: CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING ASPHALT CONCRETE, ANY THICKNESS, NO SAW CUT PER SECTIONS 343.
- 802.6 6" WL R&D: REMOVE & DISPOSE EX-WATERLINE EXPOSED BY SAS TRENCH PRISM
- 848.6 6" CAP: INSTALL 6-INCH, CAP AT LOCATION SHOWN PER SECTION 801.
- 901.51 WET MH CONNECT: CONNECT SEWER LINE TO EXISTING MANHOLE, 16" TO 30" PIPE, INCL. RESHAPING OF INVERTS & SHELVES.
- 924.60 60" DIRECT BURY SEWERLINE: INSTALL 60-INCH RIBBED PVC SEWERLINE AS SHOWN AND PER SECTION 901.
- 932.96 96" XD MANHOLE-E: CONSTRUCT 96-INCH, TYPE-E, XTRA DEEP (14 TO 20 FEET) MANHOLE AT LOCATION SHOWN AND PER SECTION 920 AND DRAWING 2102.
- 1200 TRAFFIC CONTROL: CONTRACTOR TO PROVIDED TRAFFIC CONTROL PER STD DWG SECTION 2800 AND STANDARD SPECIFICATION SECTION 1200. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH LOCAL RESIDENCES, & BUSINESSES FOR ACCESS DURING CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR Nunnet
WORK STAKED BY Sec. DATE 5/06
INSPECTORS ACCEPTANCE BY Sec. DATE 5/06
FIELD VERIFICATION BY Sec. DATE 5/06
DRAWINGS CORRECTED BY Sec. DATE 5/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION NAME: 11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
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DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

ENGINEERS SEAL
W. DANIEL BOVIN
NEW MEXICO
12933
REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

DESIGN
DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

103114F
Smith Engineering Company
A Full Service Engineering Company
5001 San Pedro Boulevard N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

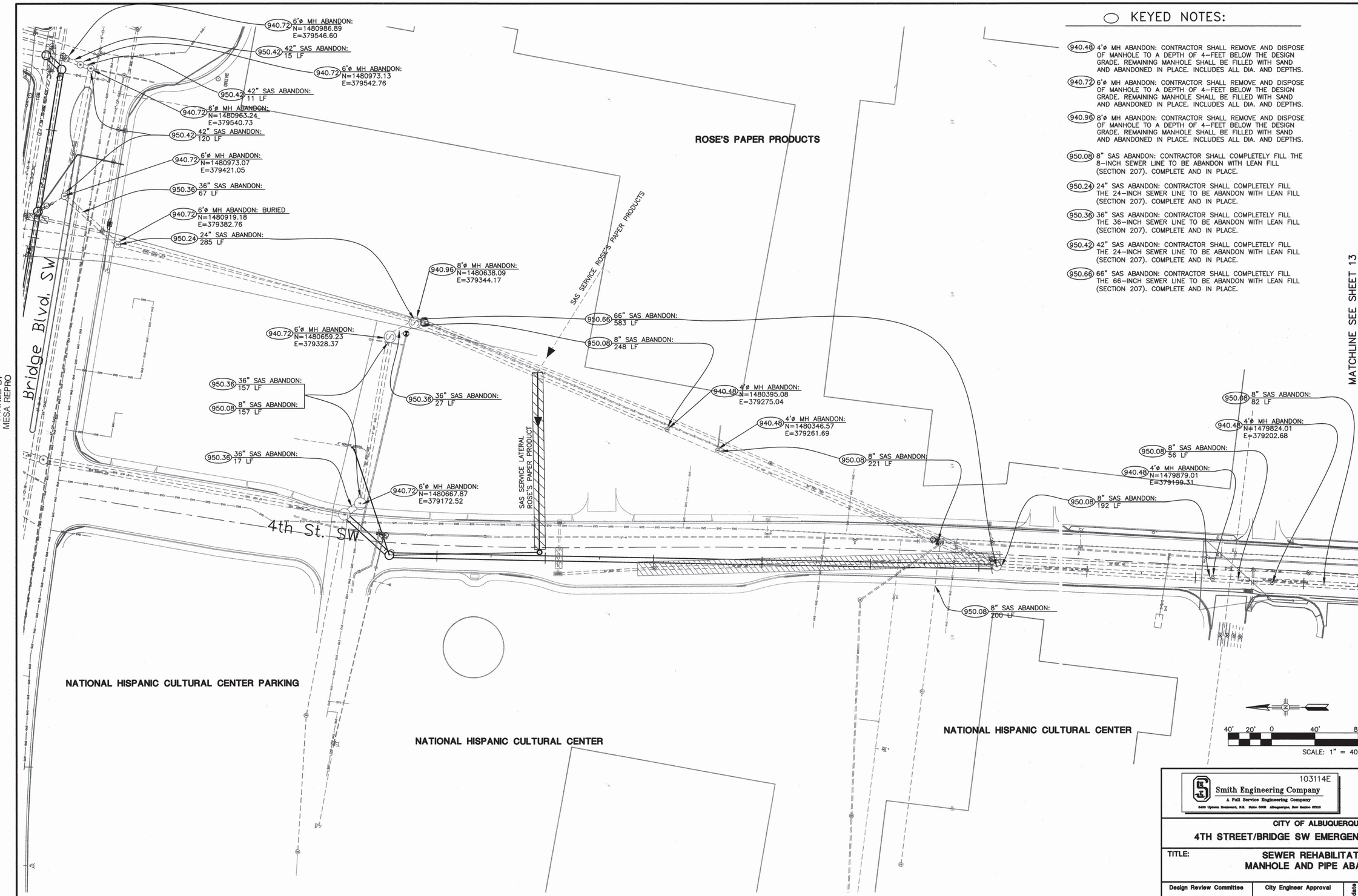
CITY OF ALBUQUERQUE
EMERGENCY INTERCEPTOR SEWER REHAB AND REPLACEMENT

TITLE: HCC LARGE DIAMETER SAS
PLAN AND PROFILE 2ND ST
STA 31+00 TO 32+40

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 7660.91 | Zone Map No. L14 | Sheet 11 | Of 16

RECORD DRAWING




SCANNED BY MESA REPRO

## KEYED NOTES:

(940.48) 4'ø MH ABANDON: CONTRACTOR SHALL REMOVE AND DISPOSE OF MANHOLE TO A DEPTH OF 4-FEET BELOW THE DESIGN GRADE. REMAINING MANHOLE SHALL BE FILLED WITH SAND AND ABANDONED IN PLACE. INCLUDES ALL DIA. AND DEPTHS.

(940.72) 6'ø MH ABANDON: CONTRACTOR SHALL REMOVE AND DISPOSE OF MANHOLE TO A DEPTH OF 4-FEET BELOW THE DESIGN GRADE. REMAINING MANHOLE SHALL BE FILLED WITH SAND AND ABANDONED IN PLACE. INCLUDES ALL DIA. AND DEPTHS.

(940.96) 8'ø MH ABANDON: CONTRACTOR SHALL REMOVE AND DISPOSE OF MANHOLE TO A DEPTH OF 4-FEET BELOW THE DESIGN GRADE. REMAINING MANHOLE SHALL BE FILLED WITH SAND AND ABANDONED IN PLACE. INCLUDES ALL DIA. AND DEPTHS.

(950.08) 8" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 8-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

(950.24) 24" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 24-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

(950.36) 36" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 36-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

(950.42) 42" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 24-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

(950.66) 66" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 66-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

MATCHLINE SEE SHEET 13

### AS BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | Manuel | |
| WORK STAKED BY | Sen | DATE 5/06 |
| INSPECTOR'S ACCEPTANCE BY | Sen | DATE 5/06 |
| FIELD VERIFICATION BY | Sen | DATE 5/06 |
| DRAWINGS CORRECTED BY | Sen | DATE 5/06 |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

### BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .9996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 Ft. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE. SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### SURVEY INFORMATION

| NO. | FIELD NOTES BY | DATE |
|---|---|---|
| | LARKIN GROUP 505-275-7500 | 6/13/05 |

### ENGINEERS SEAL

DANIEL BOIVIN NEW MEXICO 12393 REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

| DESIGN | | |
|---|---|---|
| DESIGNED BY | JAB | DATE 6/27/05 |
| DRAWN BY | ADF | DATE 6/27/05 |
| CHECKED BY | DAB | DATE 6/27/05 |

103114E
Smith Engineering Company
A Full Service Engineering Company
5400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE

# 4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

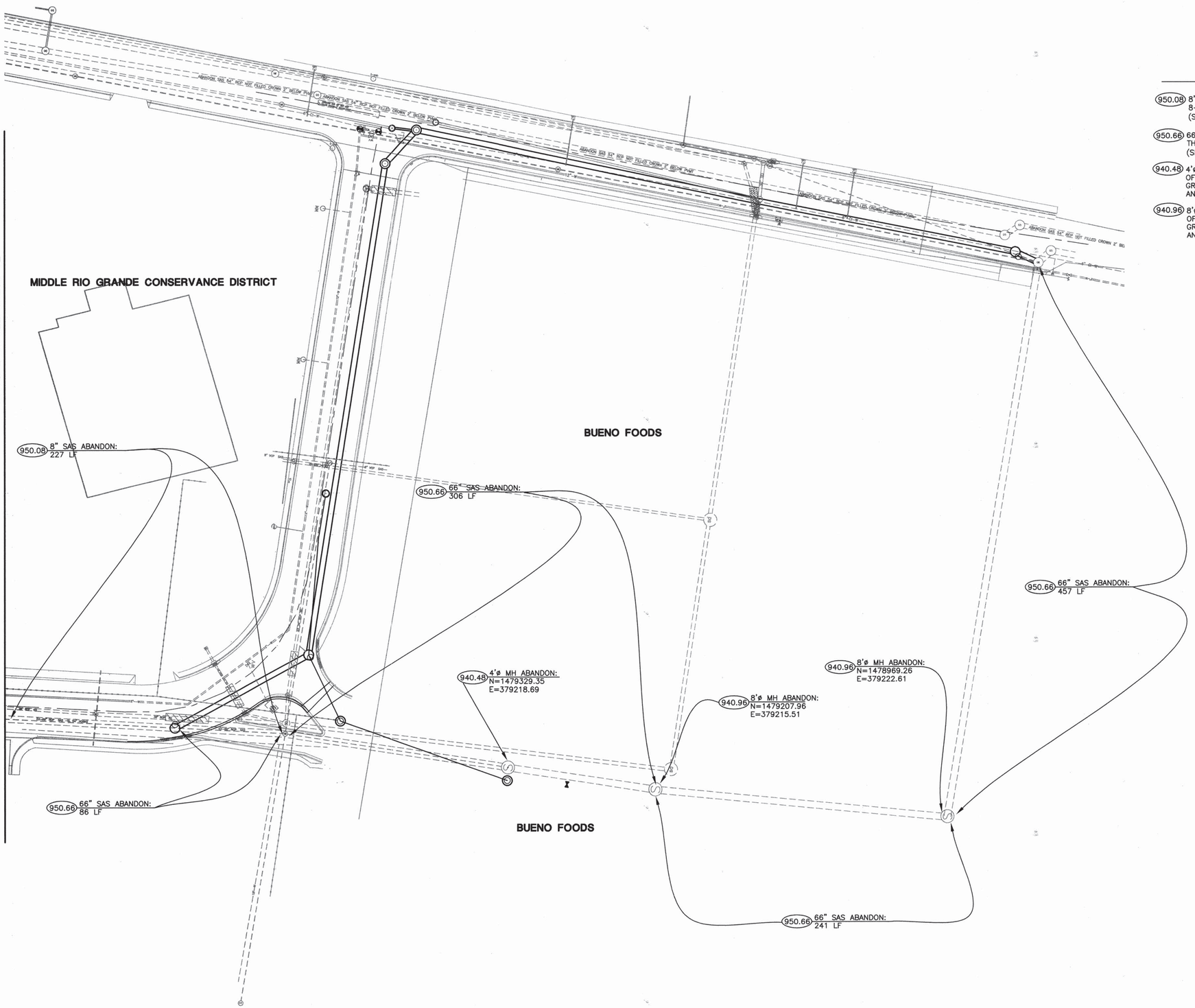
TITLE: **SEWER REHABILITATION MANHOLE AND PIPE ABANDON**

| Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr. |
|---|---|---|---|---|
| | | | | |

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 766091 | L-14 | 12 | 14 |

SCANNED BY
MESA REPRO

MATCHLINE SEE SHEET 12




## KEYED NOTES:

950.08 8" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 8-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

950.66 66" SAS ABANDON: CONTRACTOR SHALL COMPLETELY FILL THE 66-INCH SEWER LINE TO BE ABANDON WITH LEAN FILL (SECTION 207). COMPLETE AND IN PLACE.

940.48 4'ø MH ABANDON: CONTRACTOR SHALL REMOVE AND DISPOSE OF MANHOLE TO A DEPTH OF 4-FEET BELOW THE DESIGN GRADE. REMAINING MANHOLE SHALL BE FILLED WITH SAND AND ABANDONED IN PLACE. INCLUDES ALL DIA. AND DEPTHS.

940.96 8'ø MH ABANDON: CONTRACTOR SHALL REMOVE AND DISPOSE OF MANHOLE TO A DEPTH OF 4-FEET BELOW THE DESIGN GRADE. REMAINING MANHOLE SHALL BE FILLED WITH SAND AND ABANDONED IN PLACE. INCLUDES ALL DIA. AND DEPTHS.

40' 20' 0 40' 80'
SCALE: 1" = 40'

### AS BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | NMWCC | |
| WORK STAKED BY | SEC | DATE 5/6/06 |
| AS-BUILTS CHECKED BY | SEC | DATE 5/9/06 |
| ACCEPTANCE BY | SEC | DATE 5/9/06 |
| FIELD VERIFICATION BY | SEC | DATE 5/9/06 |
| DRAWINGS CORRECTED BY | SEC | DATE 5/9/06 |

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

### BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
LOCATED IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 3 EAST
PLANE COORDINATES: X=379,705.11, Y=1,479,448.59
GROUND TO GRID FACTOR = .99996802 PROJECTION = T.M.
SPIRIT LEVEL ELEVATION (SLD 1929) = 4944.255 FL. 2ND ORDER
ZONE: CENTRAL THE STATION IS LOCATED 1.6 MILES S OF
DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE. SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP 505-275-7500 | 6/13/05 |

### ENGINEERS SEAL

DANIEL BOLYN MARTINEZ 12933 REGISTERED PROFESSIONAL ENGINEER

5.16.06

### REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

| | | |
|---|---|---|
| DESIGNED BY | JAB | DATE 6/27/05 |
| DRAWN BY | ADF | DATE 6/27/05 |
| CHECKED BY | DAB | DATE 6/27/05 |

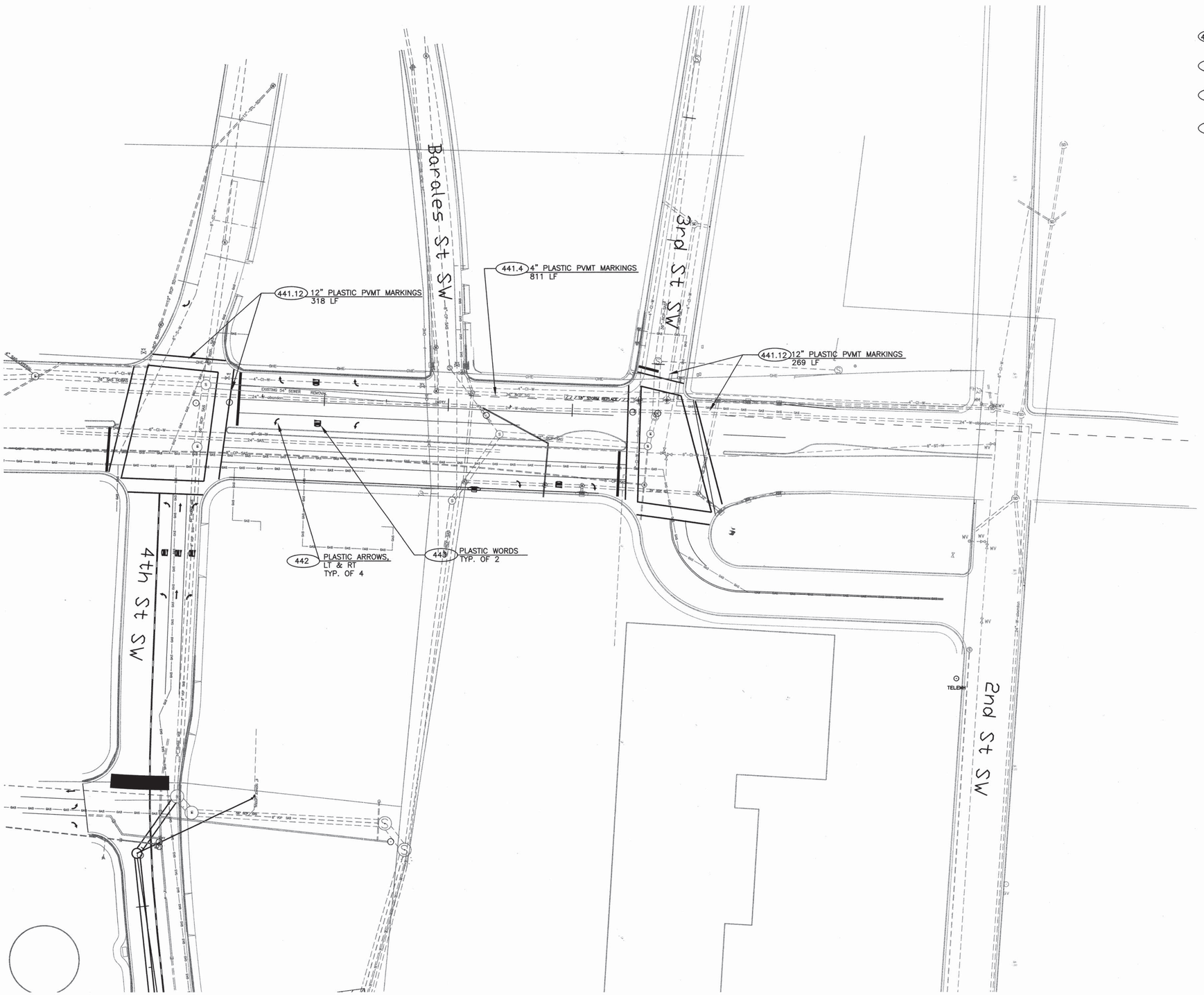
103114E
Smith Engineering Company
A Full Service Engineering Company
5400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
MANHOLE AND PIPE ABANDON

| Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr. |
|---|---|---|---|---|
| | | | | |

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 766091 | L-14 | 13 | 14 |




## KEYED NOTES:

441.12 12" PLASTIC PVMT MARKINGS: CONTRACTOR SHALL RE-STRIP STREET TO MATCH EXISTING, WITH REFLECTORIZED PLASTIC PAVEMENT MARKINGS 12" IN WIDTH.

441.4 4" PLASTIC PVMT MARKINGS: CONTRACTOR SHALL RE-STRIP STREET TO MATCH EXISTING, WITH REFLECTORIZED PLASTIC PAVEMENT MARKINGS 4" IN WIDTH. COMPLETE AND IN PLACE.

442 PLASTIC ARROWS: CONTRACTOR SHALL RE-STRIP STREET TO MATCH EXISTING, WITH REFLECTORIZED PLASTIC PAVEMENT MARKINGS RIGHT AND LEFT ARROWS, COMPLETE AND IN PLACE.

443 PLASTIC WORDS: CONTRACTOR SHALL RE-STRIP STREET TO MATCH EXISTING, WITH REFLECTORIZED PLASTIC PAVEMENT MARKINGS WORDS FOUR LETTERS PER WORD. COMPLETE AND IN PLACE

40' 20' 0 40' 80'
SCALE: 1" = 40'

### AS BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | NAME | |
| WORK STAKED BY | Sec | DATE Sept |
| INSPECTOR'S ACCEPTANCE BY | Sec | DATE Sept |
| FIELD VERIFICATION BY | Sec | DATE Sept |
| DRAWINGS CORRECTED BY | Sec | DATE Sept |
| MICRO-FILM INFORMATION | | |
| RECORDED BY | | DATE |
| NO. | | |

### BENCH MARKS

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### SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

### ENGINEERS SEAL

MARK MELLOY BOIVIN
12933
REGISTERED PROFESSIONAL ENGINEER
5-31-06

### REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

| | | |
|---|---|---|
| DESIGNED BY | JAB | DATE 6/27/05 |
| DRAWN BY | ADF | DATE 6/27/05 |
| CHECKED BY | DAB | DATE 6/27/05 |

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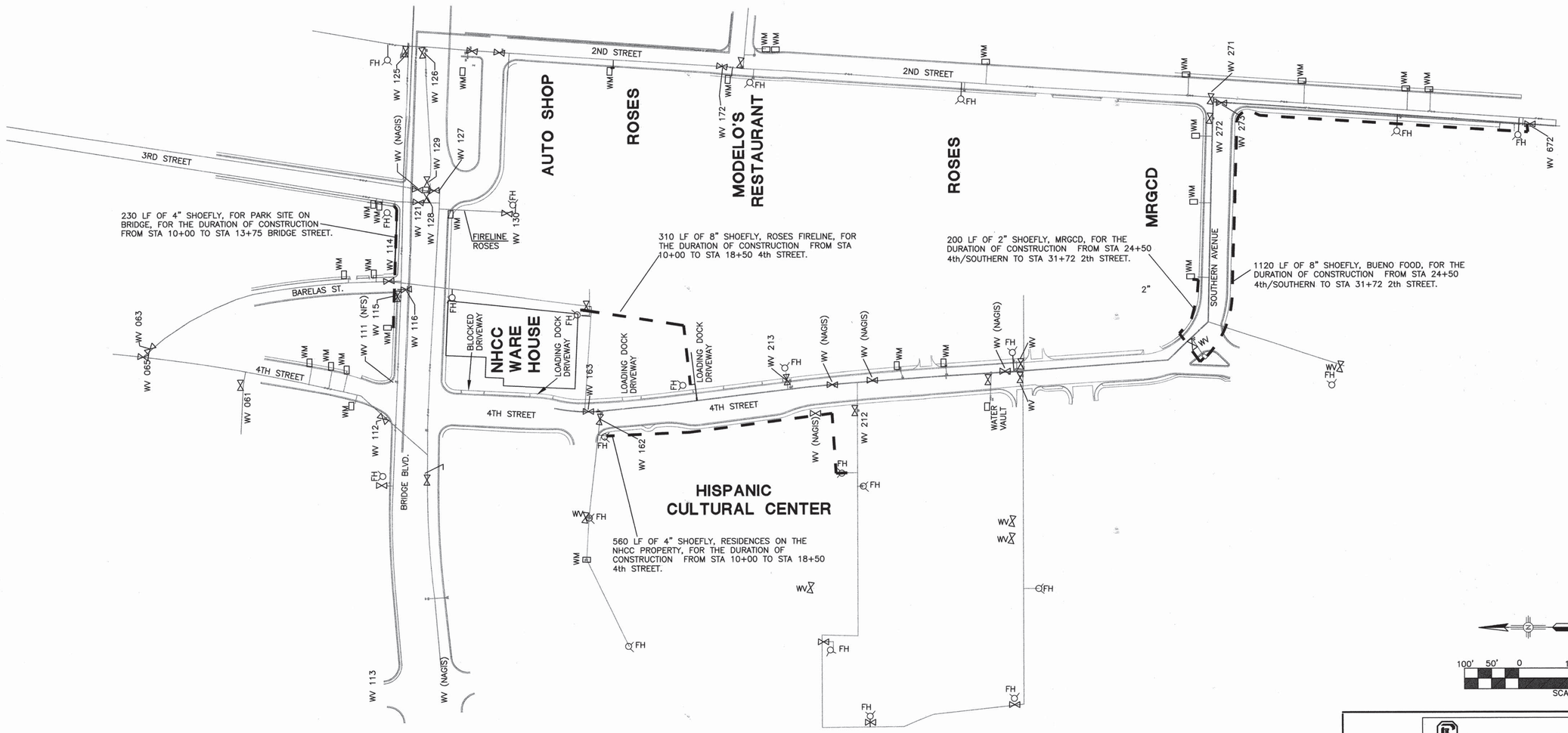
CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
TRAFFIC AND STRIPPING

| Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr. |
|---|---|---|---|---|
| | | | | |

| City Project No. | Zone Map No. | Sheet | Of |
|---|---|---|---|
| 766091 | L-14 | 14 | 14 |




## WATER VALVES

— — "SHOE FLY LINE" TEMPORARY WATER SERVICE
(NFS) NOT FOUND WHEN SURVEYED
(NAGIS) NOT SHOWN ON AGIS

# RECORD DRAWING

100' 50' 0 100' 200'
SCALE: 1" = 100'

### SURVEY INFORMATION

| FIELD NOTES | | |
|---|---|---|
| NO. | BY | DATE |
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

### BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
ESTABLISHING AGENCY: ACS; YEAR: 1988 MAP: L14
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DOWNTOWN ALBUQ. ON THE SE CORNER OF 2ND ST SW AND
SOUTHERN AVE SW. STATION MARK IS ACS 3 1/4" ALUMINUM CAP.

### AS BUILT INFORMATION

CONTRACTOR NMUCI
WORK STAKED BY Sec. DATE 5/06
INSPECTOR'S ACCEPTANCE BY Sec. DATE 5/06
FIELD VERIFICATION BY Sec. DATE 5/06
DRAWINGS CORRECTED BY Sec. DATE 5/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

### ENGINEERS SEAL

W. DANIEL BOIVIN
NEW MEXICO
12333
REGISTERED PROFESSIONAL ENGINEER
5.16.06

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

DESIGN

| | | |
|---|---|---|
| DESIGNED BY | JAB | DATE 6-27-05 |
| DRAWN BY | ADF | DATE 6-27-05 |
| CHECKED BY | XX | DATE 6-27-05 |

103114F
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

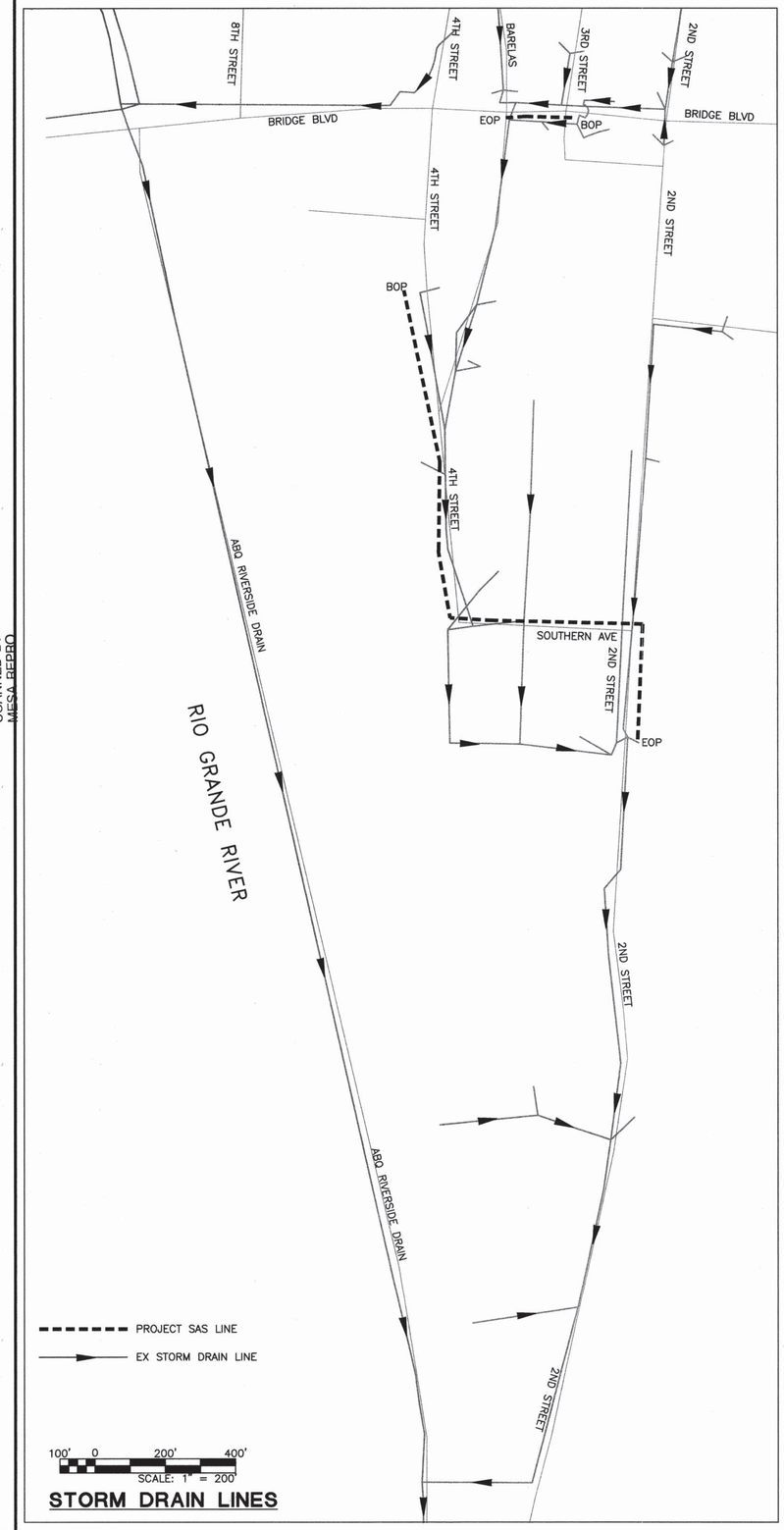
CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
WATER VALVE SHUTOFF PLAN

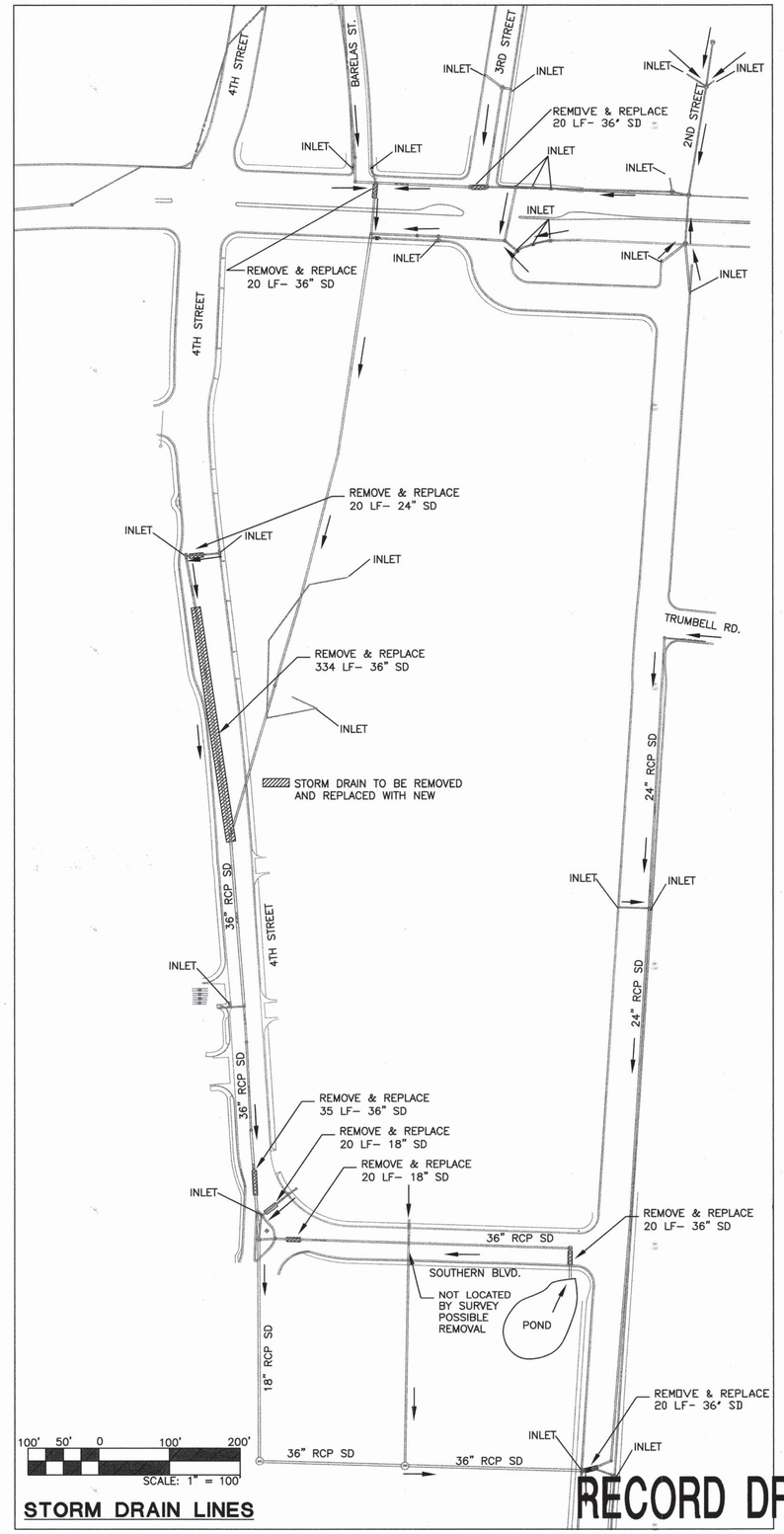
Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 15 Of 16

SCANNED BY
MESA GEOD




STORM DRAIN LINES




STORM DRAIN LINES

RECORD DRAWING

AS BUILT INFORMATION

CONTRACTOR Nm.061

WORK STAKED BY See DATE 5/6/

INSPECTOR'S ACCEPTANCE BY See DATE 5/6/

FIELD VERIFICATION BY See DATE 5/6/

DRAWINGS CORRECTED BY See DATE 5/6/

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

STATION NAME:11-L14; STATE: NM; COUNTY: BERNALILLO
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SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | LARKIN GROUP | 6/13/05 |
| | 505-275-7500 | |

ENGINEERS SEAL

W. A. PATRIEL ROYVAL
NEW MEXICO
(12933)
REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

DESIGNED BY JAB DATE 6-27-05
DRAWN BY ADF DATE 6-27-05
CHECKED BY XX DATE 6-27-05

103114F
Smith Engineering Company
A Full Service Engineering Company
8001 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
4TH STREET/BRIDGE SW EMERGENCY INTERCEPTOR

TITLE: SEWER REHABILITATION
STORM DRAIN DRAINAGE LAYOUT

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 766091 | Zone Map No. L14 | Sheet 16 Of 16