

RECORD DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SURVEY CONTROL PLAN
3	OVERALL PROJECT PHASING LAYOUT
4	OVERALL INTERCEPTOR INDEX SHEET
5 - 12	INTERCEPTOR PLAN AND PROFILE
13	MISCELLANEOUS DETAILS

1. AMAFCA'S FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA RIGHT-OF-WAY OR EASEMENT AT 884-2215.
2. NO WORK WILL BE PERFORMED IN THE AMAFCA RIGHT-OF-WAY OR EASEMENT BETWEEN MAY 15 AND OCTOBER 15 WITHOUT WRITTEN PERMISSION FROM AMAFCA.
3. ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 90% (MODIFIED PROCTOR) WITHIN THE AMAFCA RIGHT-OF-WAY OR EASEMENT. TESTING REPORTS SHALL BE PROVIDED TO AMAFCA.
4. CERTIFIED AS-BUILT PLANS MUST BE SUBMITTED TO AMAFCA FOR THE CONSTRUCTION WITHIN AMAFCA'S RIGHT-OF-WAY.
5. AMAFCA'S FIELD ENGINEER WILL BE NOTIFIED 48 HOURS PRIOR TO FINAL INSPECTION OF ANY FACILITIES WITHIN THE AMAFCA RIGHT-OF-WAY OR EASEMENT.
6. 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.
7. ANY EXISTING SURVEY CONTROL MONUMENTS THAT ARE MOVED OR DESTROYED AS A RESULT OF THE CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE OWNER'S EXPENSE.
8. CONTRACTOR SHALL CONTACT AMAFCA FOR A TEMPORARY CONSTRUCTION LICENSE AND PROVIDE PROOF OF APPROPRIATE NEW MEXICO CONTRACTOR'S LICENSE PRIOR TO CONSTRUCTION.

Lynn M. Mazon 11-21-13
(FOR AMAFCA) DATE

1. THE CONTRACTOR SHALL ABIDE BY ALL CITY/COUNTY, STATE AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
4. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THEREO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

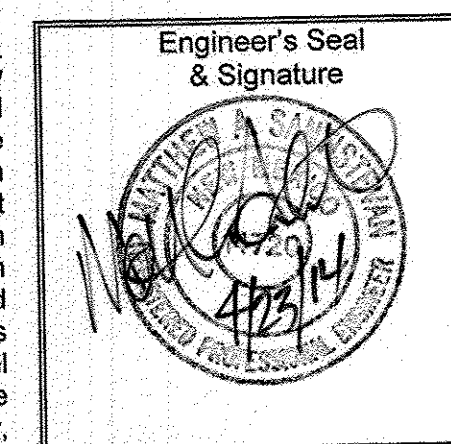
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT EASEMENT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

10. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, EMD CONSTRUCTION COORDINATION DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
11. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE/ABJWA. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
13. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
14. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, AT A WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
15. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PAYS, WHEELCHAIR RAMP, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.

16. AN 80 SDR 19 PERMIT IS REQUIRED TO PLACE ANY MATERIAL ON OR AROUND A STORM DRAIN INLET IN THE CITY RIGHT-OF-WAY THAT WOULD INTERFERE WITH THE INLET RECEIVING STORM WATER PER THE ENGINEER'S DESIGN. CITY PERSONNEL MAY REMOVE THIS MATERIAL AT ANY TIME WITHOUT NOTICE. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.
17. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
18. GRADING/EARTHWORK IS INCIDENTAL TO TRENCHING BACKFILL AND COMPACTION.
19. ALL DISTURBED AREA SHALL BE DRILL SEEDED PER SEC. 1012, NATIVE GRASS SEEDING.
20. FINISHED GROUND SURFACE ELEVATIONS SHALL BE $\pm 2'$ OF EXISTING GROUND SURFACE ELEVATIONS UNLESS OTHERWISE NOTED. EXISTING DRAINAGE PATTERNS SHALL NOT BE ALTERED.

I, Matthew A. Santistevan of the firm of Bohannon Huston, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify that, to the best of my knowledge and belief, that the as-constructed structure installed as shown on these drawings (1-40 Sanitary Sewer Interceptor) has been constructed by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by the contractor, Salls Brothers Construction and their surveyor Jacobo J. Pacheco, NMPS #17822.

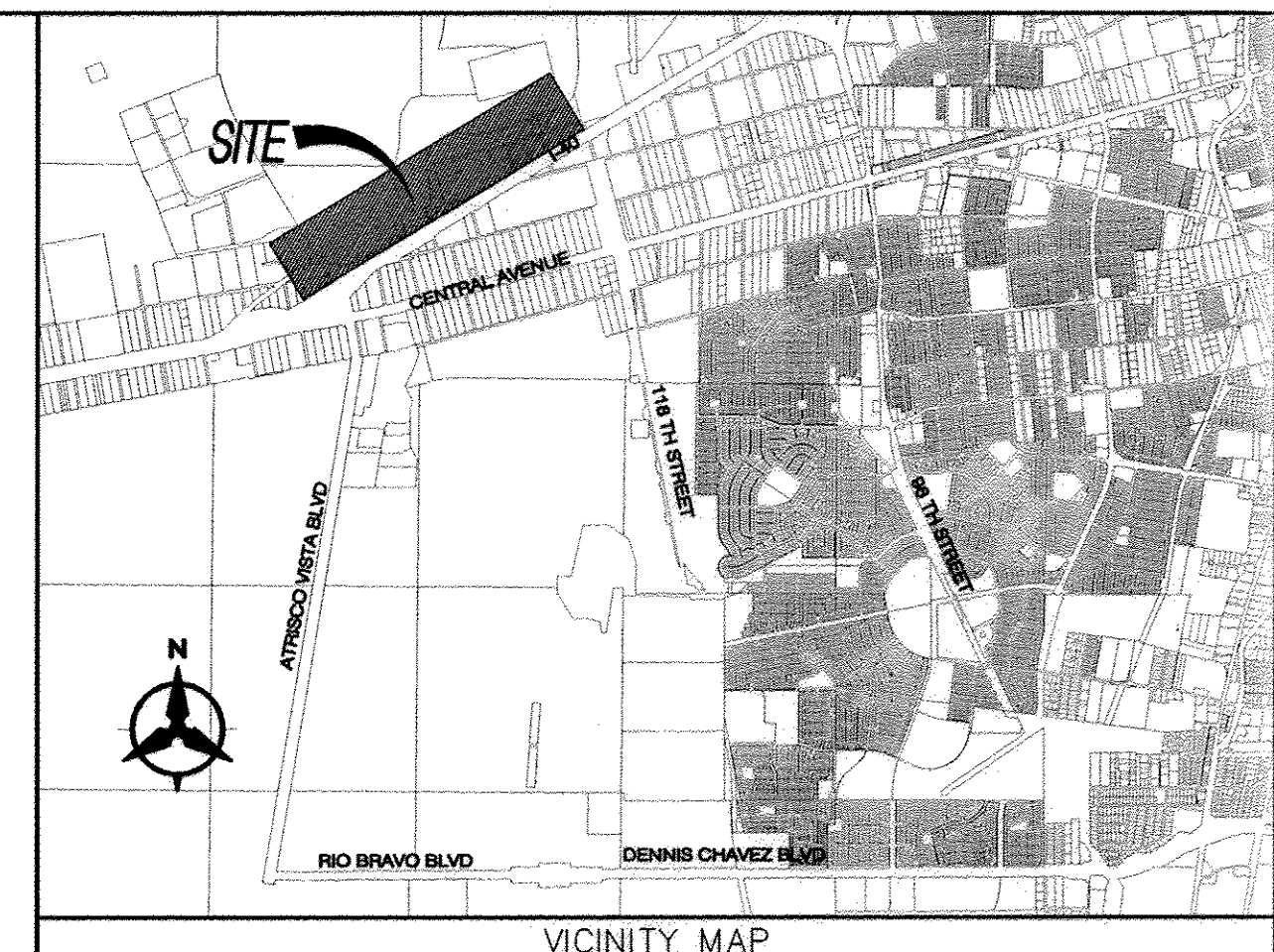
Engineer's Seal
& Signature



I, JACOB O. PACHECO, NEW MEXICO PROFESSIONAL SURVEYOR NO. 17822, DO HEREBY CERTIFY THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE CONSTRUCTION PLANS WAS OBTAINED FROM THE FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION; THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE PLANS WAS ADDED BY ME OR UNDER MY SUPERVISION; AND THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION APPLIES TO "AS-BUILT" INFORMATION SHOWN THAT REQUIRED SURVEY GRADE PRECISION ONLY.

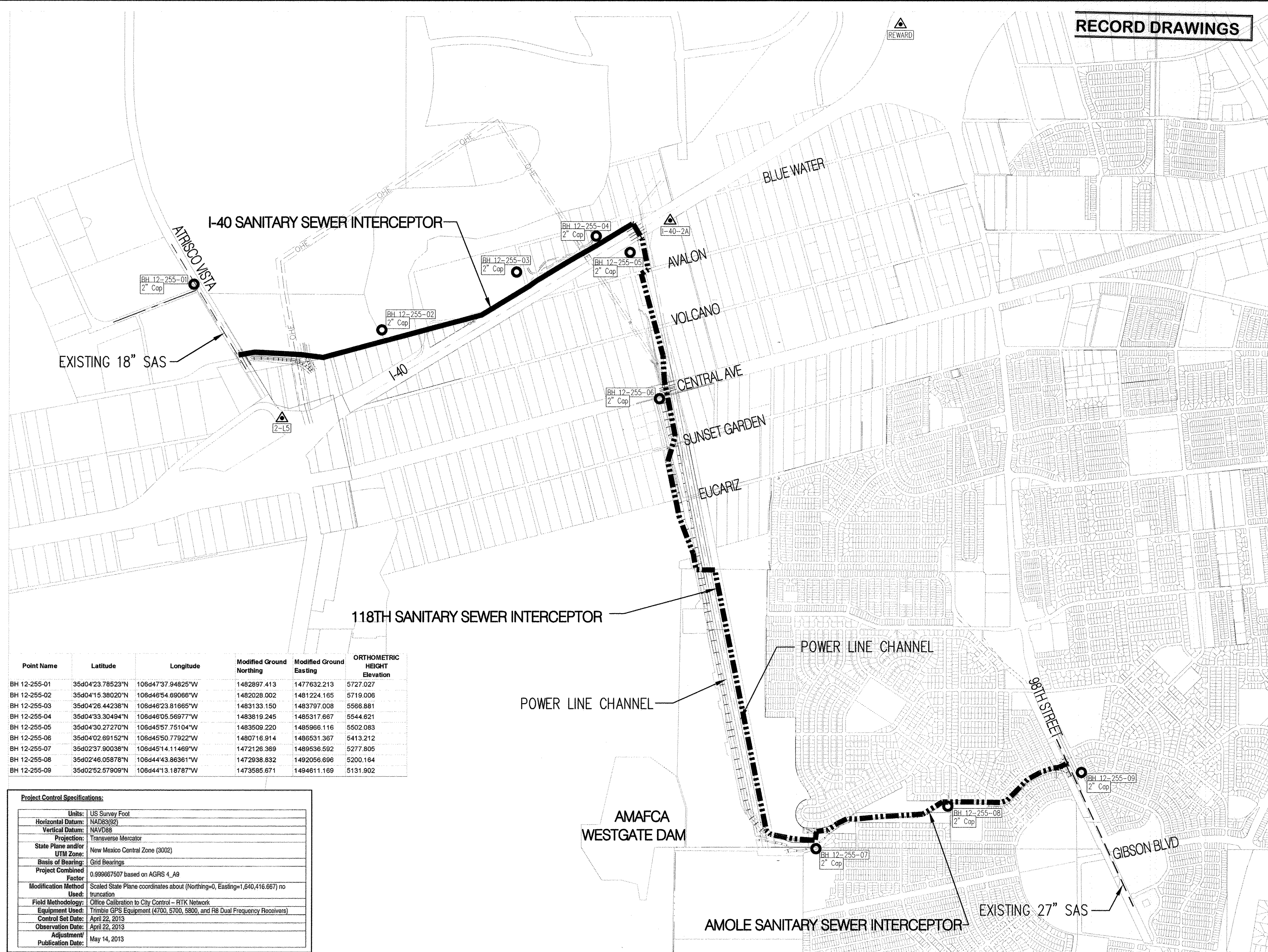
ABCWUA RECORD DRAWING APPROVAL

DATE _____

[illegible]

1. AN EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY/COUNTY/NMDOJ RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #8.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVENTMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE 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. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY ENGINEER AND SHALL NOTIFY THE CITY SURVEYOR 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.
9. CONTRACTOR SHALL RECORD DATA ON ALL EXISTING AND NEW UTILITY LINES AND ACCESSORIES AS REQUIRED BY ABCWUA FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COORDINATORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT <http://abcwua.com/content/view/full/463/729/>.

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAYING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DERESSED 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 DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

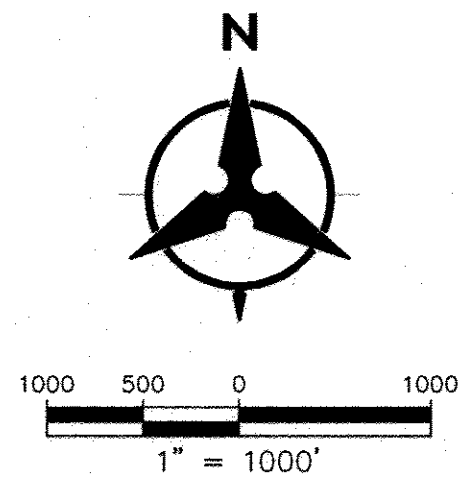


Point Name	Latitude	Longitude	Modified Ground Northing	Modified Ground Easting	ORTHOMETRIC HEIGHT Elevation
BH 12-255-01	35d04'23.78523"N	106d47'37.94825"W	1482897.413	1477632.213	5727.027
BH 12-255-02	35d04'15.38020"N	106d46'54.69066"W	1482028.002	1481224.165	5719.006
BH 12-255-03	35d04'26.44238"N	106d46'23.81665"W	1483133.150	1483797.008	5566.881
BH 12-255-04	35d04'33.30494"N	106d46'05.56977"W	1483819.245	1485317.667	5544.621
BH 12-255-05	35d04'30.27270"N	106d45'57.75104"W	1483509.220	1485966.116	5502.083
BH 12-255-06	35d04'02.69152"N	106d45'50.77922"W	1480716.914	1486531.367	5413.212
BH 12-255-07	35d02'37.90038"N	106d45'14.11469"W	1472126.369	1489536.592	5277.805
BH 12-255-08	35d02'46.05878"N	106d44'43.86361"W	1472938.832	1492056.696	5200.164
BH 12-255-09	35d02'52.57909"N	106d44'13.18787"W	1473585.671	1494611.169	5131.902

Project Control Specifications:	
Units:	US Survey Foot
Horizontal Datum:	NAD83(02)
Vertical Datum:	NAVD88
Projection:	Transverse Mercator
State Plane and/or UTM Zone:	New Mexico Central Zone (3002)
Basis of Bearing:	Grid Bearings
Project Combined Factor:	0.999867507 based on AGRS 4, A9
Modification Method Used:	Scaled State Plane coordinates about (Northing=0, Easting=1,640,416.667) no transition
Field Methodology:	Office Calibration to City Control - RTK Network
Equipment Used:	Trimble GPS Equipment (4700, 5700, 5800, and R8 Dual Frequency Receivers)
Control Set Date:	April 22, 2013
Observation Date:	April 22, 2013
Adjustment/ Publication Date:	May 14, 2013

NOTE: For more detailed information refer to "Control Surveying Report for WALH SAS", dated May 14, 2013. (Prepared by: Bohannon-Huston Inc.)

RECORD DRAWINGS



- LEGEND
- ACS BENCHMARK REFERENCED IN BH CONTROL REPORT
 - BH CONTROL POINT

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	USC&GS BRASS TABLET STAMPED "REWARD"	DATE	NO.	BY		REMARKS REVISIONS DESIGN
DRAWN BY	DATE	GEOGRAPHIC POSITION (NAD 83)	DATE				
INSPECTED BY	DATE	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	DATE				
APPROVED BY	DATE	X = 1,491,190.819 Y = 1,487,364.063	DATE				
MICROFILM INFORMATION		GROUND-TO-GRID FACTOR = 0.9998675005	DATE			DESIGNED BY: CJS	DATE: 5/2013
		Δα = -00°17'12.26"	DATE			DRAWN BY: BJC	DATE: 5/2013
		NAVD 1988 ELEVATION = 5319.691	DATE			CHECKED BY: CJS	DATE: 5/2013

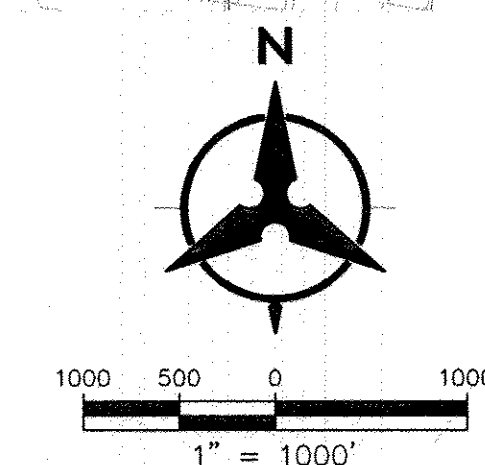
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

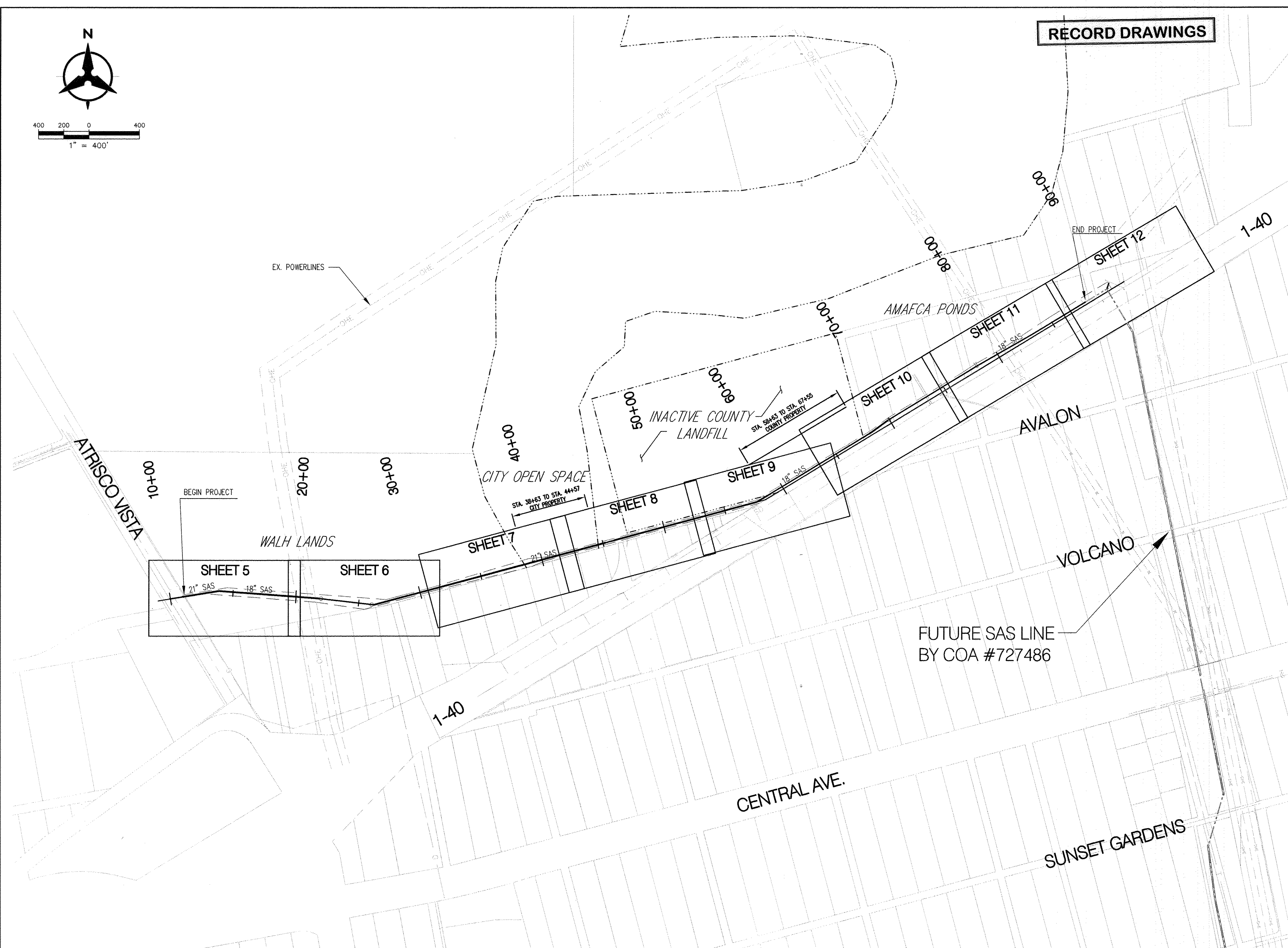
I-40 SANITARY SEWER INTERCEPTOR
SURVEY CONTROL

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

City Project No.	Zone Map No.	Sheet	Of
727485	K6, K7	2	13



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October 30, 2013 - 9:35am



RECORD DRAWINGS

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL S&S & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
3. CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SUB.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
5. CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED HYDRO-STATIC PRESSURE TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
6. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
7. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
8. MH RIMS ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
9. SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
10. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
12. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
13. AT UTILITY CROSSINGS WHERE LESS THAN 1' OF COVER OVER STORM DRAIN PIPE IS PRESENT, AN INVERT FALL IS TO BE USED FOR A DISTANCE OF 5' FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
14. CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

LEGEND

- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

"AS-BUILT" LOCATION OF MANHOLES & VALVES

[illegible]

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon  Huston



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

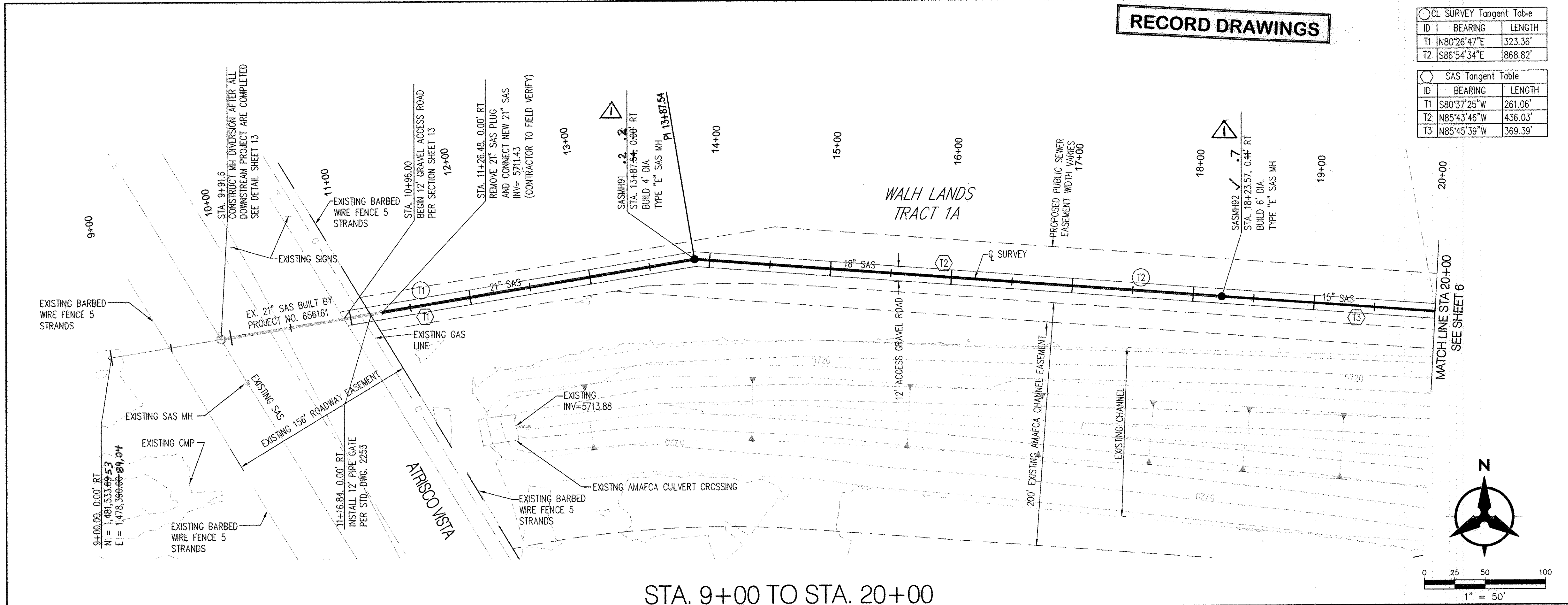
1-40 SANITARY SEWER INTERCEPTOR
SHEET INDEX

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

City Project No.	Zone Map No.	Sheet	Of
727485	K6, K7	4	13

PIPE MATERIALS:

- ASTM F679 PS115 PVC
- SANITITE HP (OPTIONAL)
- PVC C-905 DR-25 (FOR DIRECTIONAL DRILL METHOD)



- GENERAL NOTES
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
 - CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED HYDRO-STATIC PRESSURE TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - MH RIMS ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
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 - ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
 - AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
 - CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

SURVEY INFORMATION

NO.	DATE	BY
1	4/7/14	Survey

ENGINEER'S SEAL

DATE	BY
10-30-13	JJP

REVISIONS

No.	Date	REVISIONS
1	10-30-13	DESIGN

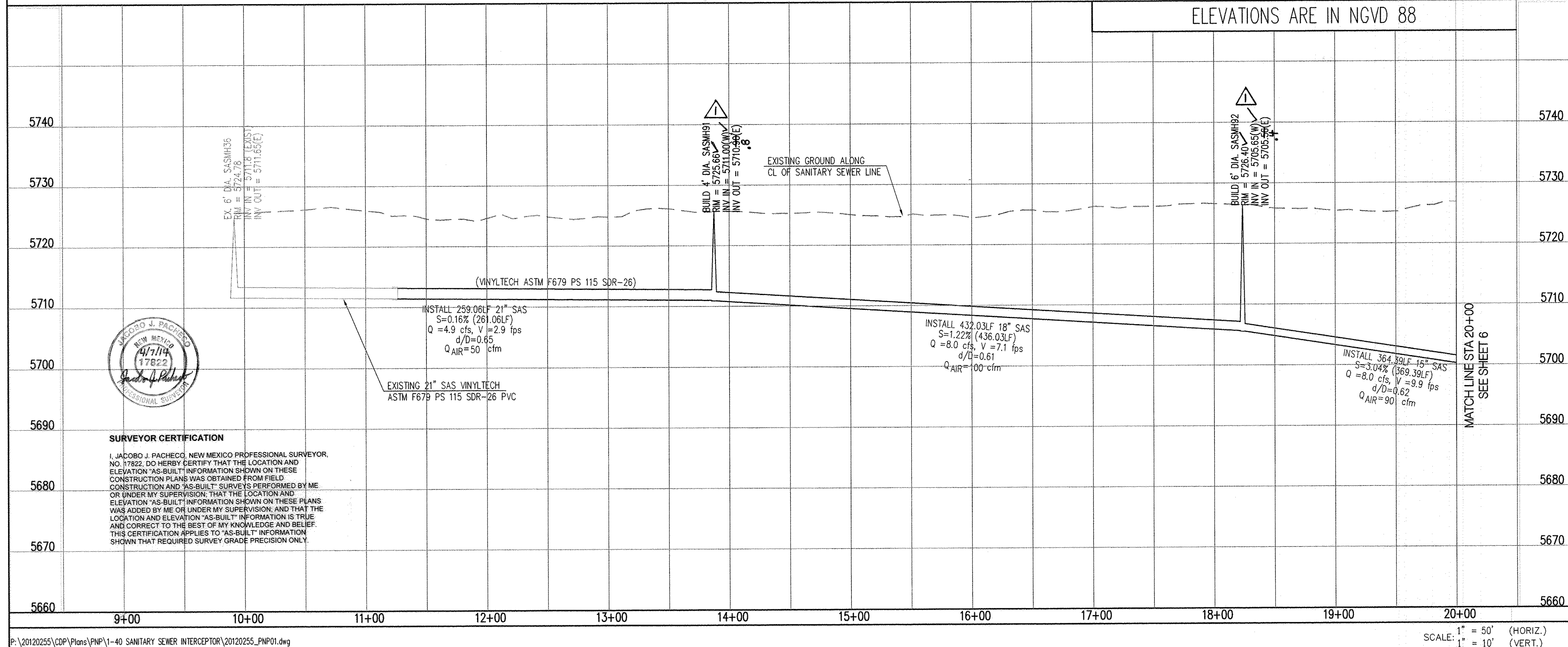
Bohannon & Huston

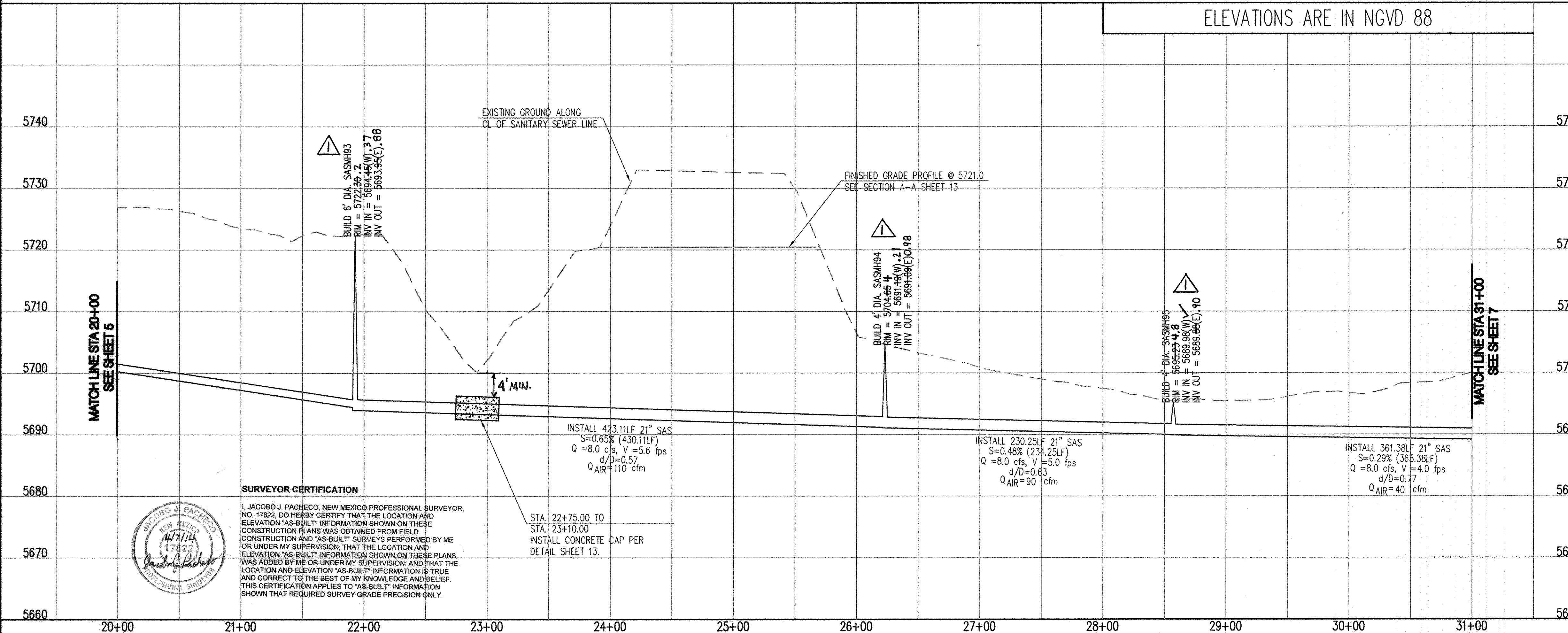
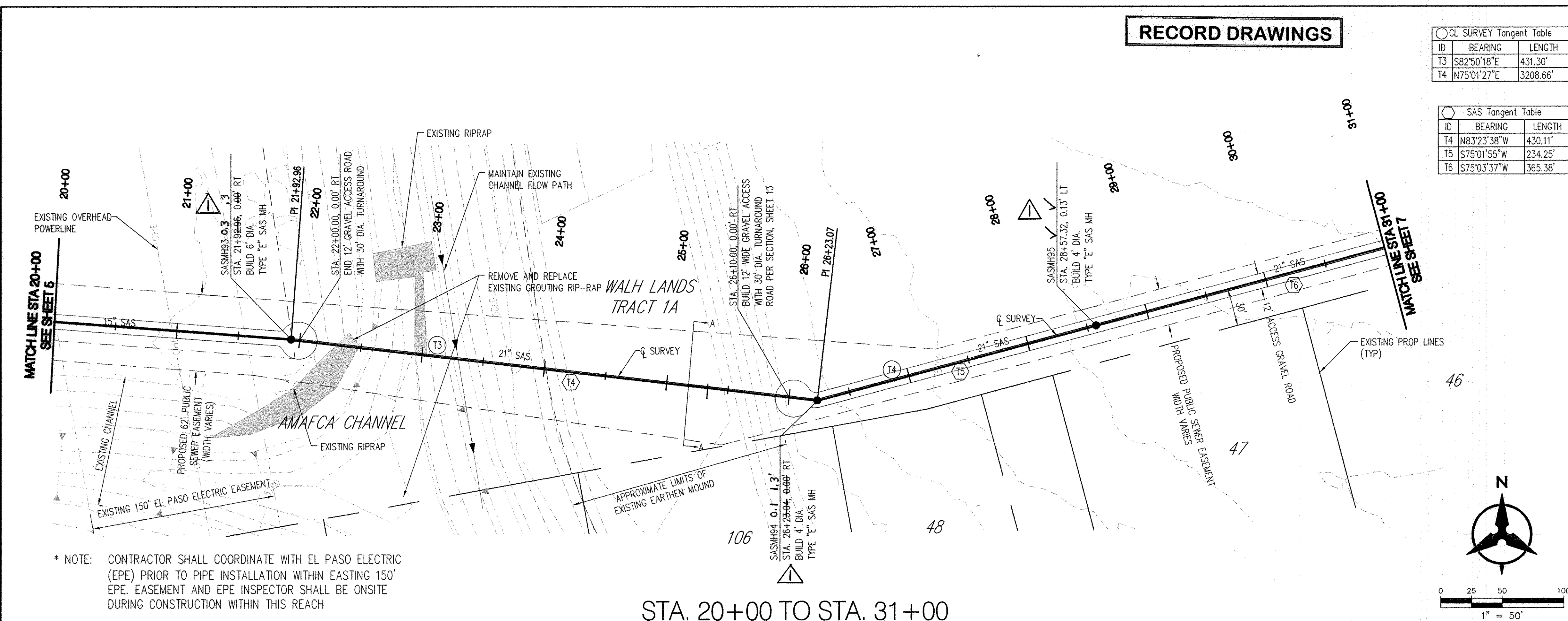
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA. 9+00 TO STA. 20+00

Design Review Committee APPROVED DEC 10 2013
City Engineer Approval APPROVED DEC 10 2013

City Project No. 727485
Zone Map No. L6, L7
Sheet 5 of 13





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October 30, 2013 - 10:30am

SCALE: $1'' = 50'$ (HORIZ.)
 $1'' = 10'$ (VERT.)

GENERAL NOTES

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6. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
7. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. WHEN ELEVATIONS ARE APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
9. SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
10. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
12. ALL STANDARD FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
13. AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT, LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE S & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
14. CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

LEGEND

- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

 "AS-BUILT" LOCATION OF MANHOLES & VALVES

[illegible]

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

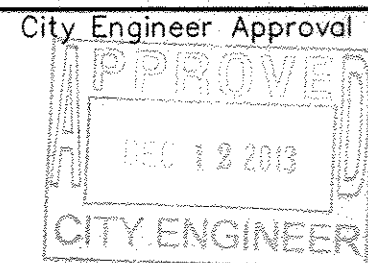
Bohannon  Huston



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/TRISCO VISTA CONNECTION

PLAN AND PROFILE
STA. 20+00 TO STA. 31-



City Project No.

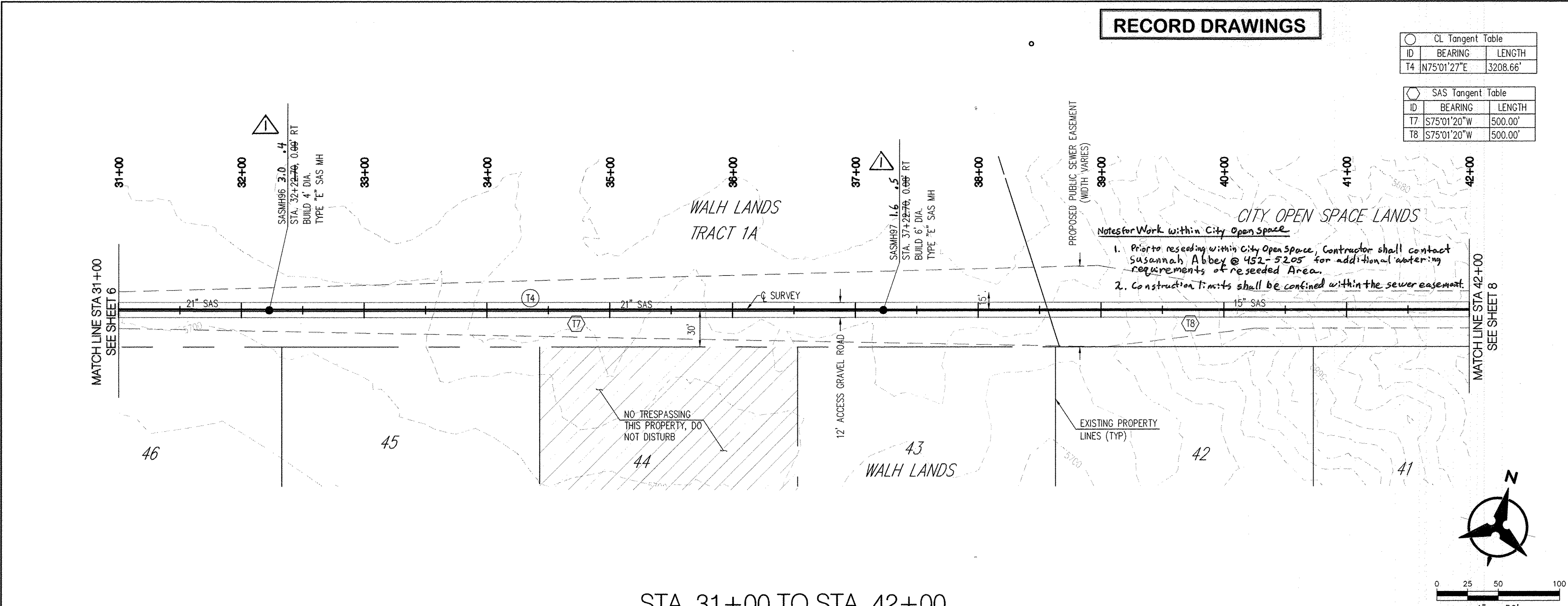
Zone Map No.	
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Sheet Of

727485

L6, L7

6 13



- GENERAL NOTES
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
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 - CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED HYDRO-STATIC PRESSURE TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - MH RIMS ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
 - SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
 - STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
 - FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
 - ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
 - AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
 - CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

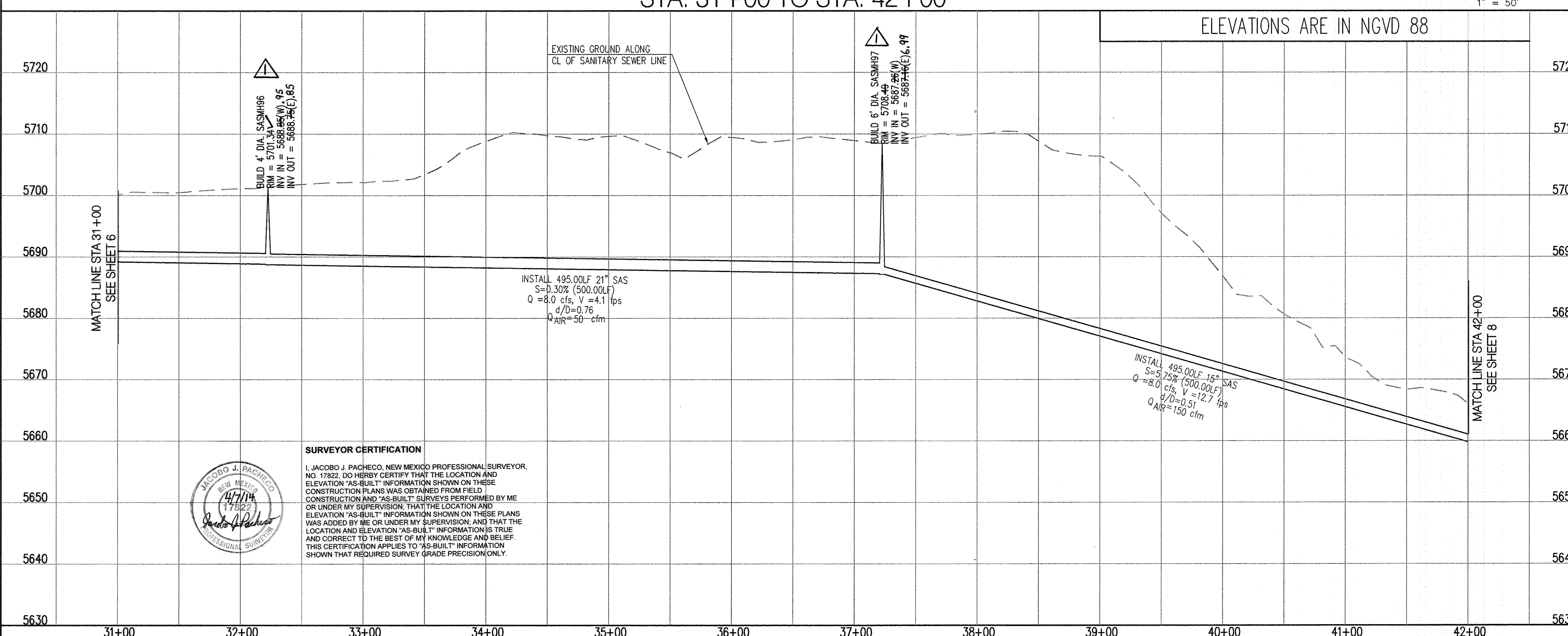
LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE

AS-BUILT LOCATION OF MANHOLES & VALVES

VALVE / MH	NORTHING	EASTING
SASMH96	1481658.4	1480681.1
SASMH97	1481787.2	1481162.8

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE



DATE	BY	REMARKS
7/1/14	JJP	Survey As-Built's
7/1/14	JJP	REVISIONS
7/1/14	JJP	DESIGN

Bohannon & Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA. 31+00 TO STA. 42+00

Design Review Committee: APPROVED DEC 10 2013
City Engineer Approval: APPROVED DEC 12 2013

City Project No. 727485
Zone Map No. L6, L7
Sheet 7 of 13

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR: S. J. Pacheco DATE: 7/1/14 WORK: Survey DATE: 7/1/14 APPROVED BY: JJP DATE: 7/1/14 DRAWING: Survey DATE: 7/1/14 MICRO-FILM INFORMATION RECORDED BY: JJP DATE: 7/1/14	US&GS BRASS TABLE STAMPED "REWARD" GEOGRAPHIC POSITION (NAD 83) N.M. STATE PLANE COORDINATES (CENTRAL ZONE) X = 1,491,190.819 Y = 1,487,364.063 GROUND-TO-GRID FACTOR = 0.999975005 NAVD 1988 ELEVATION = 5319.691	NO. BY DATE 1 JJP 7/1/14 2 JJP 7/1/14 3 JJP 7/1/14 4 JJP 7/1/14 5 JJP 7/1/14 6 JJP 7/1/14 7 JJP 7/1/14 8 JJP 7/1/14 9 JJP 7/1/14 10 JJP 7/1/14 11 JJP 7/1/14 12 JJP 7/1/14 13 JJP 7/1/14 14 JJP 7/1/14 15 JJP 7/1/14 16 JJP 7/1/14 17 JJP 7/1/14 18 JJP 7/1/14 19 JJP 7/1/14 20 JJP 7/1/14 21 JJP 7/1/14 22 JJP 7/1/14 23 JJP 7/1/14 24 JJP 7/1/14 25 JJP 7/1/14 26 JJP 7/1/14 27 JJP 7/1/14 28 JJP 7/1/14 29 JJP 7/1/14 30 JJP 7/1/14 31 JJP 7/1/14 32 JJP 7/1/14 33 JJP 7/1/14 34 JJP 7/1/14 35 JJP 7/1/14 36 JJP 7/1/14 37 JJP 7/1/14 38 JJP 7/1/14 39 JJP 7/1/14 40 JJP 7/1/14 41 JJP 7/1/14 42 JJP 7/1/14 43 JJP 7/1/14 44 JJP 7/1/14 45 JJP 7/1/14 46 JJP 7/1/14 47 JJP 7/1/14 48 JJP 7/1/14 49 JJP 7/1/14 50 JJP 7/1/14 51 JJP 7/1/14 52 JJP 7/1/14 53 JJP 7/1/14 54 JJP 7/1/14 55 JJP 7/1/14 56 JJP 7/1/14 57 JJP 7/1/14 58 JJP 7/1/14 59 JJP 7/1/14 60 JJP 7/1/14 61 JJP 7/1/14 62 JJP 7/1/14 63 JJP 7/1/14 64 JJP 7/1/14 65 JJP 7/1/14 66 JJP 7/1/14 67 JJP 7/1/14 68 JJP 7/1/14 69 JJP 7/1/14 70 JJP 7/1/14 71 JJP 7/1/14 72 JJP 7/1/14 73 JJP 7/1/14 74 JJP 7/1/14 75 JJP 7/1/14 76 JJP 7/1/14 77 JJP 7/1/14 78 JJP 7/1/14 79 JJP 7/1/14 80 JJP 7/1/14 81 JJP 7/1/14 82 JJP 7/1/14 83 JJP 7/1/14 84 JJP 7/1/14 85 JJP 7/1/14 86 JJP 7/1/14 87 JJP 7/1/14 88 JJP 7/1/14 89 JJP 7/1/14 90 JJP 7/1/14 91 JJP 7/1/14 92 JJP 7/1/14 93 JJP 7/1/14 94 JJP 7/1/14 95 JJP 7/1/14 96 JJP 7/1/14 97 JJP 7/1/14 98 JJP 7/1/14 99 JJP 7/1/14 100 JJP 7/1/14	CHRISTIAN J. SCHULTZ NEW MEXICO 16244 PROFESSIONAL ENGINEER 10-30-13

RECORD DRAWINGS

CL Tangent Table		
ID	BEARING	LENGTH
T4	N75°01'27"E	3208.66'

SAS Tangent Table		
ID	BEARING	LENGTH
T9	S75°01'20"W	500.00'
T10	S75°01'20"W	500.00'

GENERAL NOTES

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9. SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
10. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURVE TO MIDDLE OF DOWNHILL GRATE.
12. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
13. AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN IN IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE 50' FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
14. CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

LEGEND

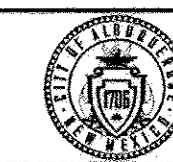
- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

"AS-BUILT" LOCATION OF MANHOLES & VALVES

[illegible]

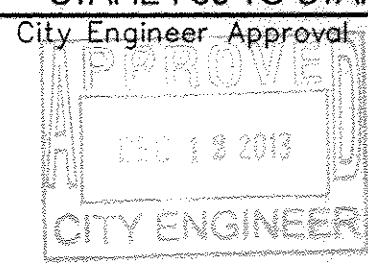
TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon  Huston



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR MATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA 42+00 TO STA. 53+00



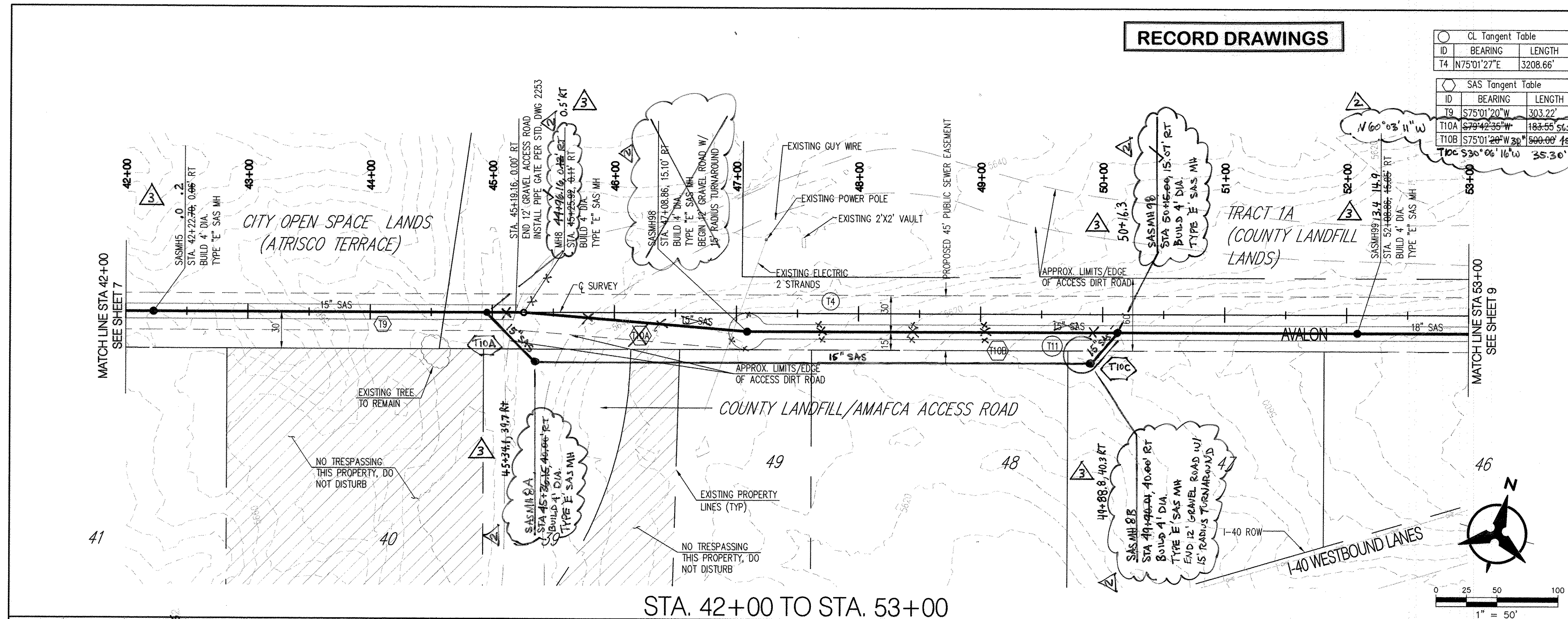
City Project No.	Zone Map No.	Sheet	Of
727485	L6, L7	8	13

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October 30, 2013 - 10:24am

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

5570

5570



CL Tangent Table		
ID	BEARING	LENGTH
T4	N75°01'27"E	3208.66'

SAS Tangent Table		
ID	BEARING	LENGTH
T9	S75°01'20"W	303.22'
T10A	S79°42'35"W	183.55'
T10B	S75°01'20"W 30°	500.00'
T10C	S30°06'16"W	35.30'

GENERAL NOTES

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8. MH RIMS ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
9. SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
10. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
12. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
13. AT UTILITY CROSSINGS WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FALL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & LEAN FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
14. CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING, SEE SHEET 4 FOR PIPE MATERIALS.

LEGEND

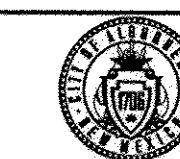
- | | |
|---|--------------------------|
|  | DOUBLE WATER METER |
|  | SINGLE WATER METER |
|  | WATER LINE SHUTOFF VALVE |
|  | WATER LINE TEE |
|  | SAS LATERAL |
|  | SAS MANHOLE |
|  | STORM DRAIN MANHOLE |
|  | STORM DRAIN INLET |
|  | PROPOSED FIRE HYDRANT |
|  | EXISTING WATER VALVE |

0 "AS-BUILT" LOCATION OF MANHOLES & VALVES

VALVE / MH	NORTHING	EASTING
SASMH5	1481916.7	1481646.2
SASMH8	1481987.3	1481911.1
SASMH8A	1481954.2	1481957.9
SASMH8B	1482076.1	1482397.3
SASMH9B	1482107.6	1482417.4
SASMH99	1482158.7	1482607.8

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon  Huston



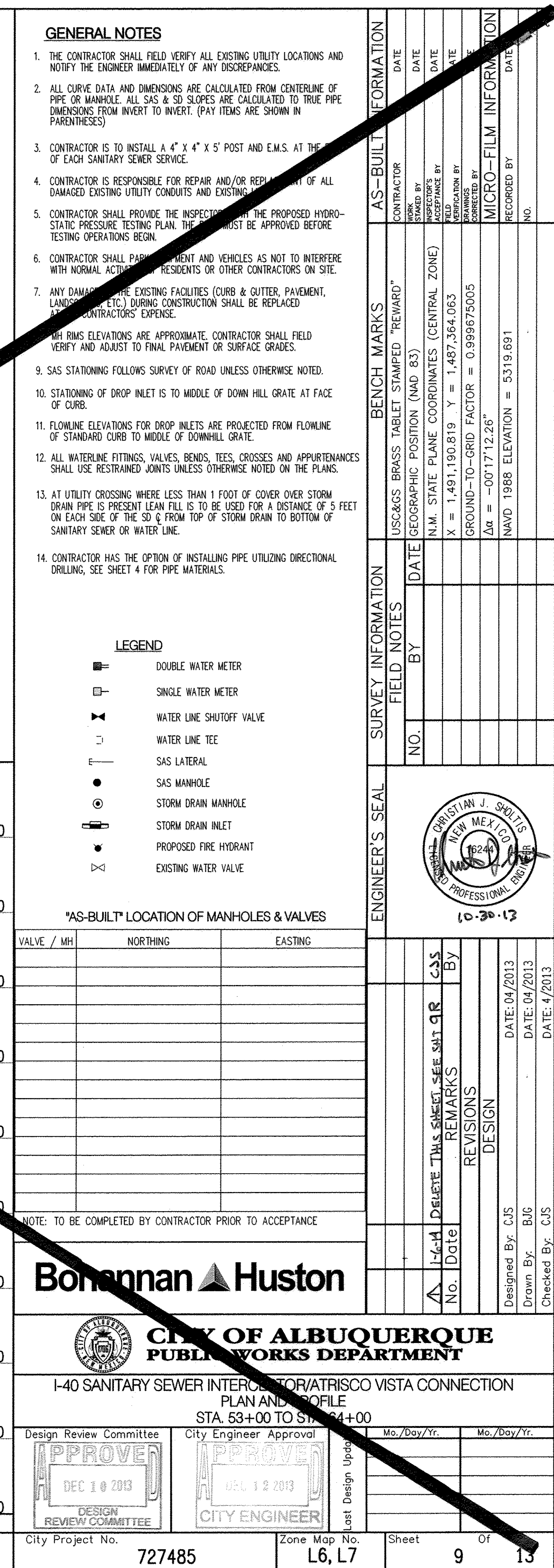
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA 42+00 TO STA 53+00[illegible]

City Project No.	727485	Zone Map No.	L6, L7	Sheet	Of	8R	13
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January 06, 2014 - 1:20pm

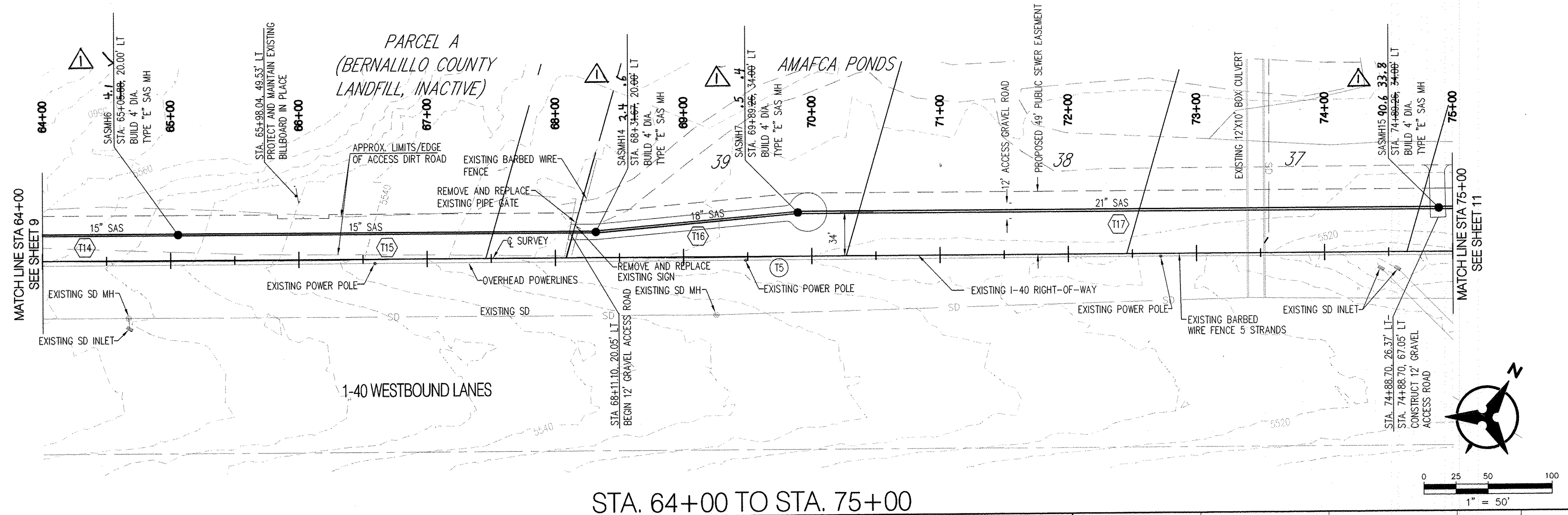
SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)



RECORD DRAWINGS

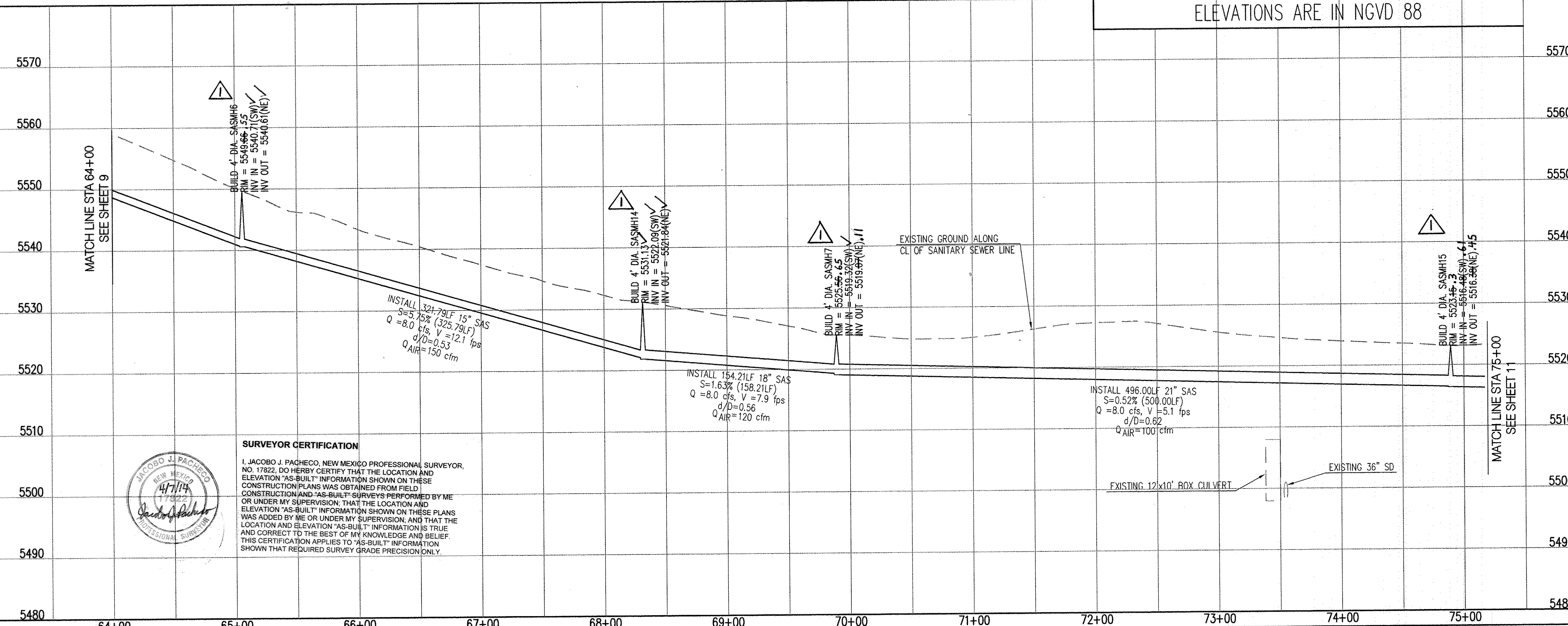
ID	BEARING	LENGTH
T5	N58°49'10"E	3198.84'

ID	BEARING	LENGTH
T14	S58°49'10"W	242.56'
T15	S58°49'10"W	325.79'
T16	S53°44'33"W	158.21'
T17	S58°49'10"W	500.00'



STA. 64+00 TO STA. 75+00

ELEVATIONS ARE IN NGVD 88



SURVEYOR CERTIFICATION
I, JACOB J. PACHECO, NEW MEXICO PROFESSIONAL SURVEYOR, NO. 17822, DO HEREBY CERTIFY THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE CONSTRUCTION PLANS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE PLANS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION APPLIES TO "AS-BUILT" INFORMATION SHOWN THAT REQUIRED SURVEY GRADE PRECISION ONLY.

GENERAL NOTES

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- M.H. ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
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LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE

"AS-BUILT" LOCATION OF MANHOLES & VALVES

VALVE / MH	NORTHING	EASTING
SASMH6	1482697.9	1483766.2
SASMH4	1482868.4	1484046.7
SASMH7	1482961.6	1484173.9
SASMH5	1483220.5	1484603.0

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon & Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA. 64+00 TO STA. 75+00

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 10 2013 DESIGN REVIEW COMMITTEE	APPROVED DEC 12 2013 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet	Of
727485	L6, L7	10	13

RECORD DRAWINGS

ID	BEARING	LENGTH
T18	S58°51'26"W	321.50'
T19	S60°23'58"W	500.14'
T20	S58°49'10"W	500.00'

ID	BEARING	LENGTH
T5	N58°49'10"E	3198.84'

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LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- WATER LINE TEE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE

"AS-BUILT" LOCATION OF MANHOLES & VALVES

VALVE / MH	NORTHING	EASTING
SAS MH 9	1483635.75	1485315.9
SAS MH 8	1483383.7	1484874.4

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon & Huston



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA. 75+00 TO STA. 86+00

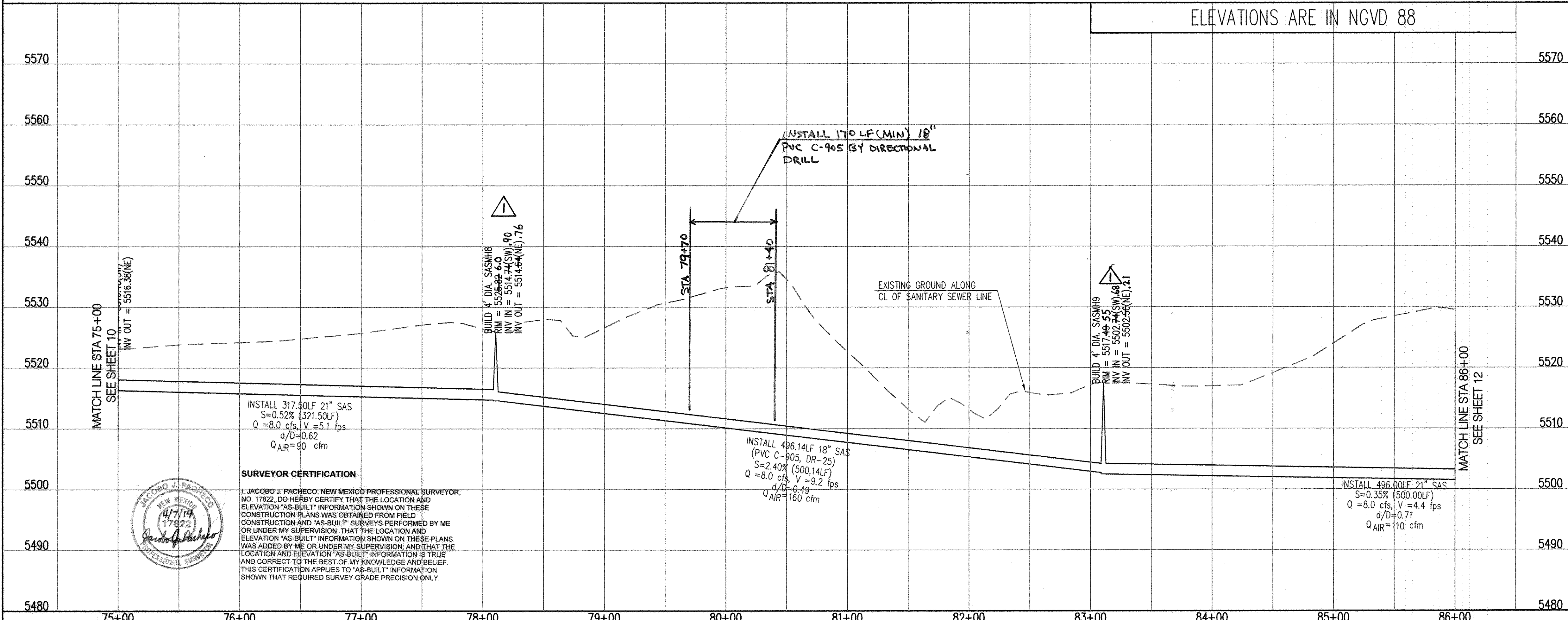
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 10 2013 DESIGN REVIEW COMMITTEE	APPROVED DEC 12 2013 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet	Of
727485	L6, L7	11	13

* NOTE: CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE AT LEAST TWO WEEKS PRIOR TO WORK WITHIN 100' OF EXISTING POWER POLES IN PNM AND EL PASO ELECTRIC EASEMENTS SO THAT OWNER'S REPRESENTATIVE CAN ARRANGE FOR MONITORING OF CONTRACTOR'S WORK BY PNM AND EL PASO ELECTRIC.

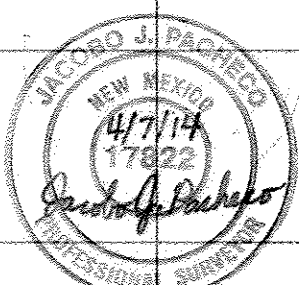
STA. 75+00 TO STA. 86+00

ELEVATIONS ARE IN NGVD 88

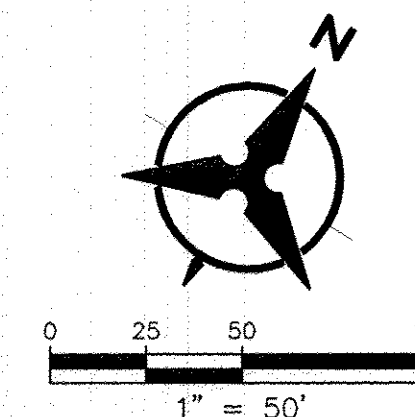


SURVEYOR CERTIFICATION

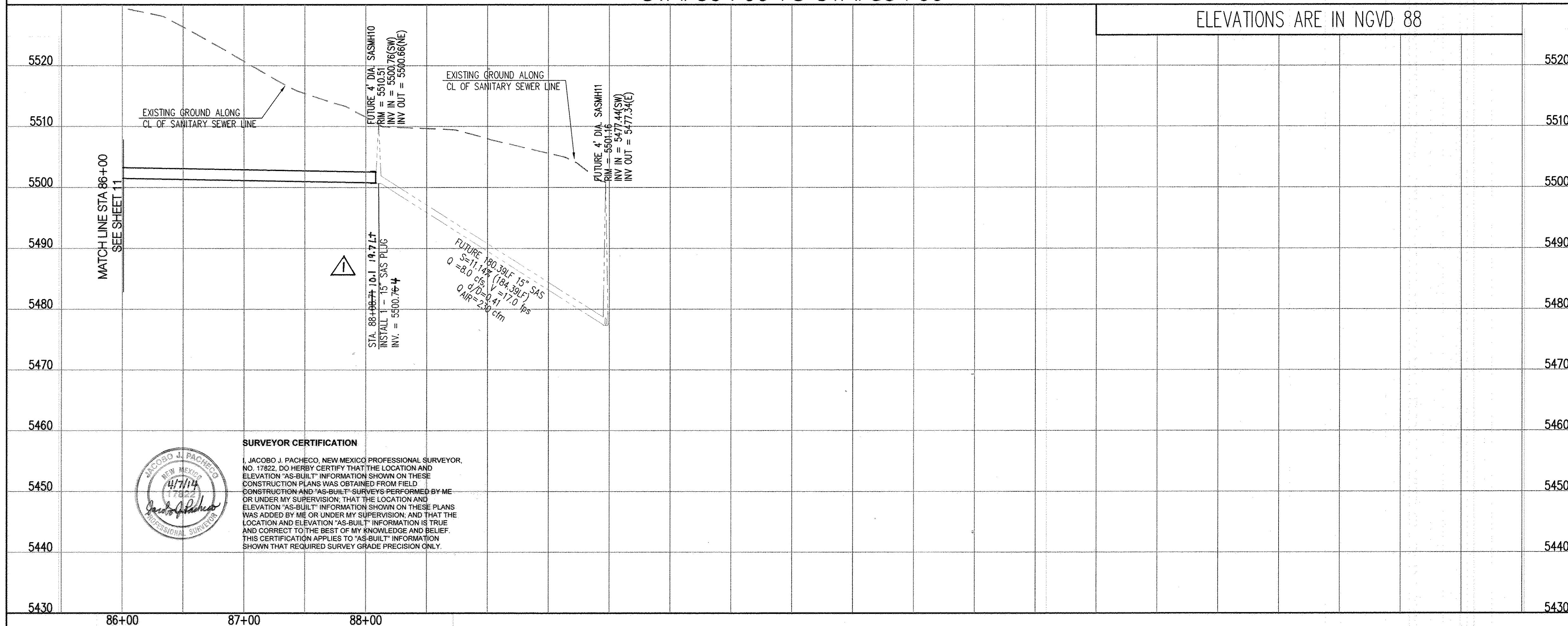
I, JACOBO J. PACHECO, NEW MEXICO PROFESSIONAL SURVEYOR, NO. 17822, DO HEREBY CERTIFY THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE CONSTRUCTION PLANS WAS OBTAINED FROM FIELD CONSTRUCTION PLANS AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION SHOWN ON THESE PLANS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THE LOCATION AND ELEVATION "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION APPLIES TO "AS-BUILT" INFORMATION SHOWN THAT REQUIRED SURVEY GRADE PRECISION ONLY.



Tangent Table		
ID	BEARING	LENGTH
T21	S58°49'10"W	10.00'



STA. 86+00 TO STA. 88+00



P:\20120255\CDP\Plans\PNP\1-40 SANITARY SEWER INTERCEPTOR\20120255_PNP08.dwg
October 30, 2013 - 10:31am

SCALE: $1'' = 50'$ (HORIZ.)
 $1'' = 10'$ (VERT.)

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (PAY ITEMS ARE SHOWN IN PARENTHESES)
3. CONTRACTOR IS TO INSTALL A 4" X 4" X 4" POST AND E.M.S. AT THE END OF EACH SANITARY SERVICE LINE.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
5. CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED HYDRO-STATIC PRESSURE TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
6. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
7. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
8. MH RIMS ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
9. SAS STATIONING FOLLOWS SURVEY OF ROAD UNLESS OTHERWISE NOTED.
10. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
11. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
12. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
13. AT UTILITY CROSSING WHERE LESS THAN 1 FOOT OF COVER OVER STORM DRAIN PIPE IS PRESENT LEAN FILL IS TO BE USED FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD TO TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE.
14. CONTRACTOR HAS THE OPTION OF INSTALLING PIPE UTILIZING DIRECTIONAL DRILLING. SEE SHEET 4 FOR PIPE MATERIALS.

	DOUBLE WATER METER
	SINGLE WATER METER
	WATER LINE SHUTOFF VALVE
	WATER LINE TEE
	SAS LATERAL
	SAS MANHOLE
	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	PROPOSED FIRE HYDRANT
	EXISTING WATER VALVE

"AS-BUILT" LOCATION OF MANHOLES & VALVES

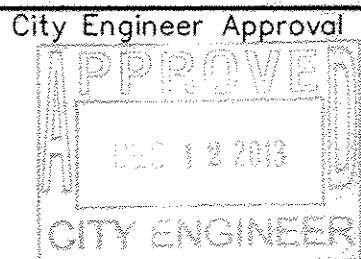
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NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon  Huston

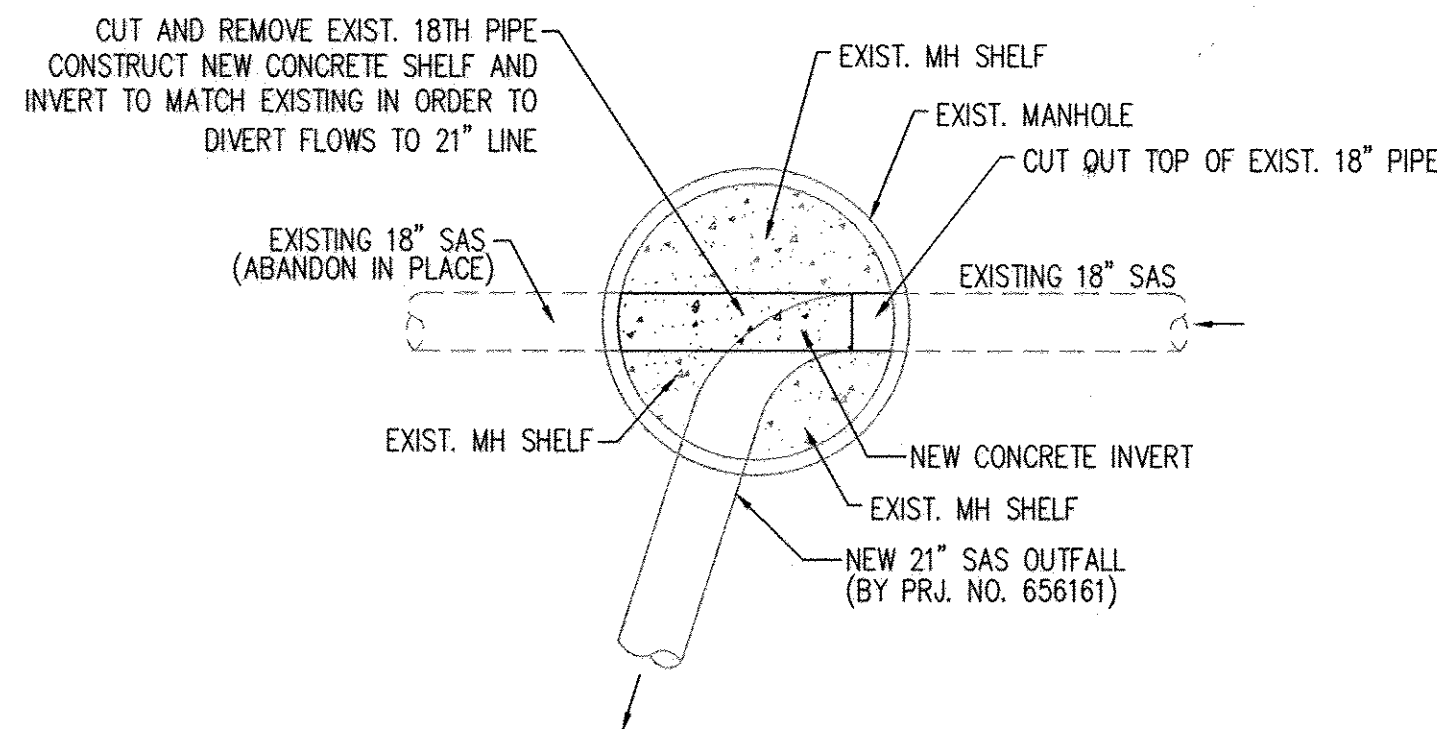
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

I-40 SANITARY SEWER INTERCEPTOR/ATRISCO VISTA CONNECTION
PLAN AND PROFILE
STA. 86+00 TO STA. 88+00



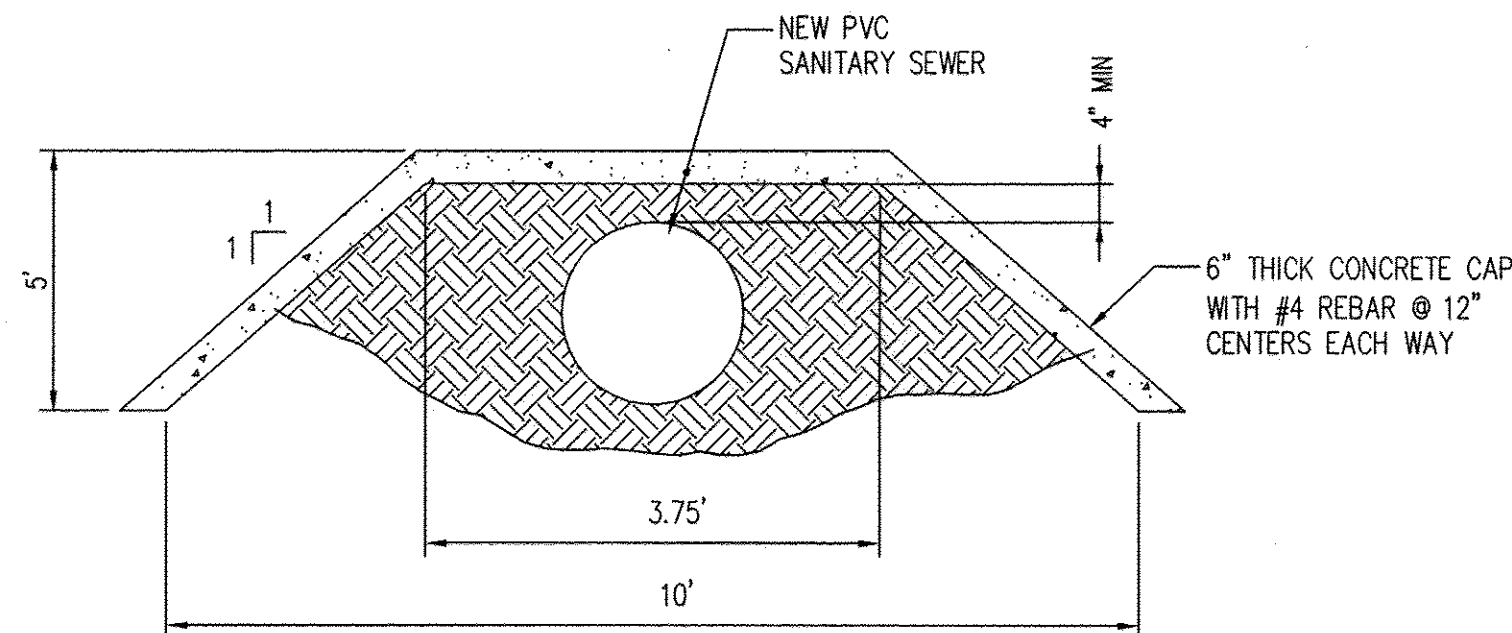
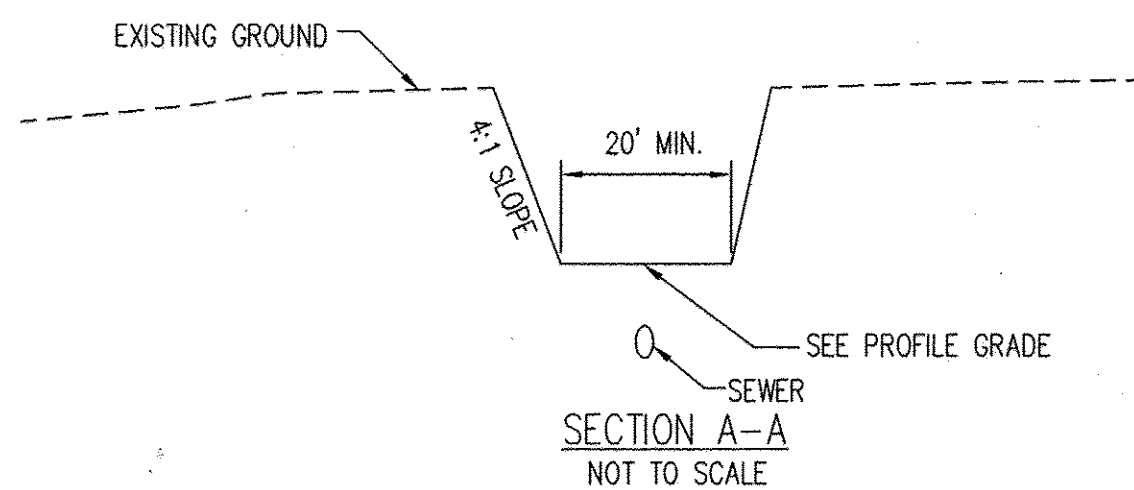
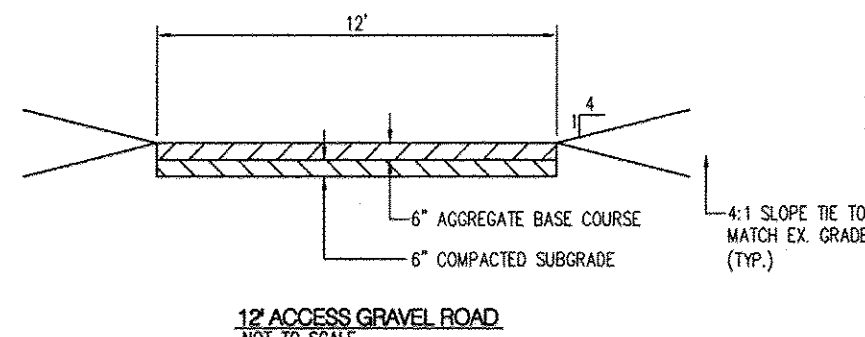
City Project No.	Zone Map No.	Sheet	Of
727485	L6, L7	12	13

RECORD DRAWINGS

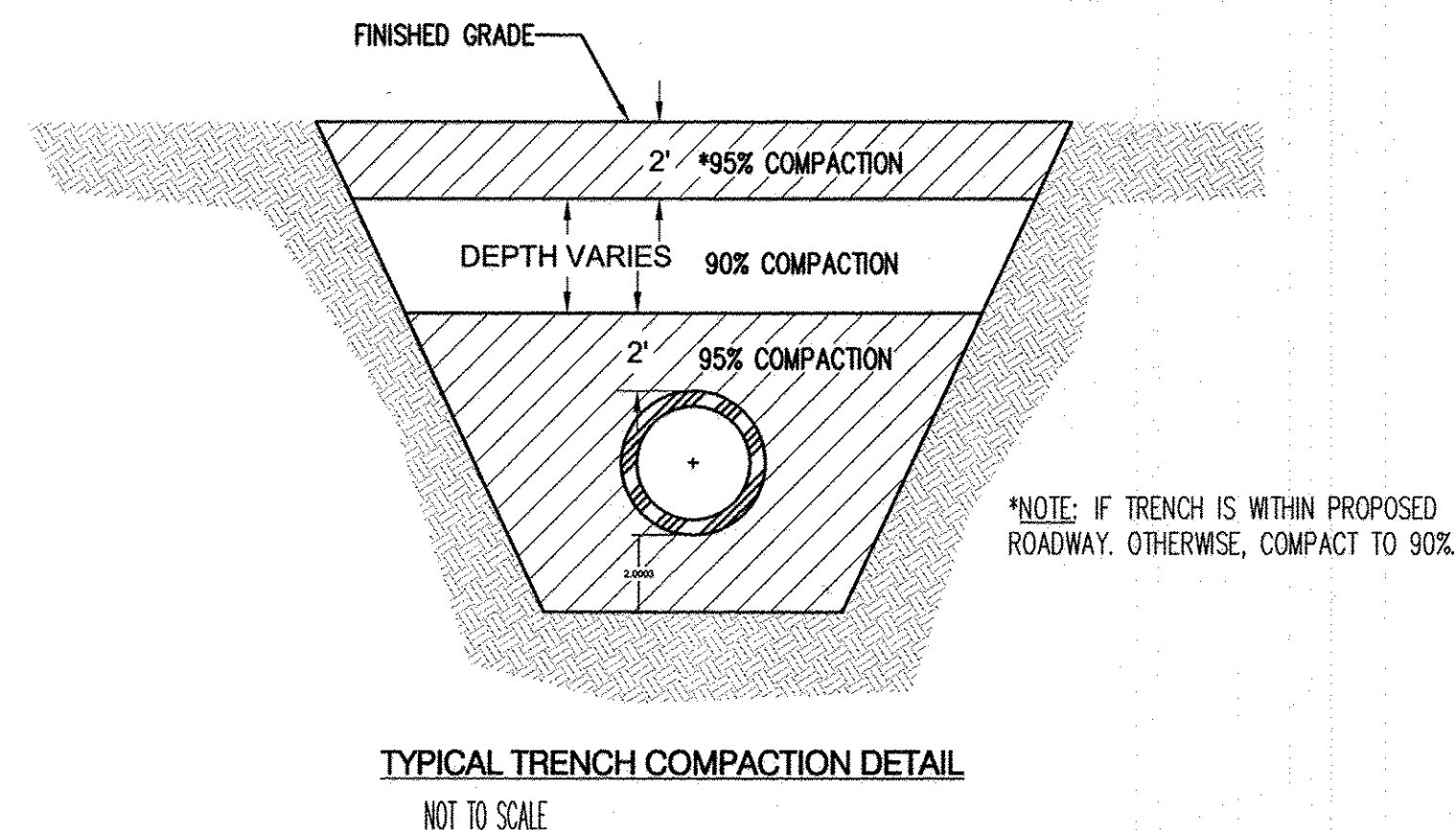


- NOTES:
1. DIVERSION TO OCCUR AFTER ALL SANITARY SEWER INTERCEPTOR PIPE DOWNSTREAM TO 98TH STREET HAS BEEN CONSTRUCTED AND ABCWUA HAS AUTHORIZED THE DIVERSION TO OF FLOWS TO THE NEW LINE.
 2. MAINTAIN SERVICE TO ALL UPSTREAM PROPERTIES AT ALL TIMES.

MANHOLE DIVERSION DETAIL
NOT TO SCALE



CONCRETE SANITARY
SEWER CAP DETAIL



TYPICAL TRENCH COMPACTION DETAIL
NOT TO SCALE

GENERAL NOTES

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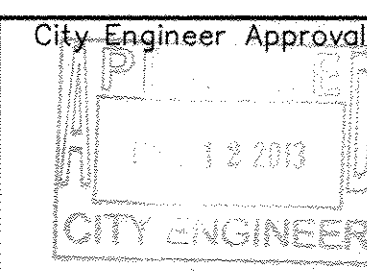
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE		DATE	
CONTRACTOR	DATE	USC&GS BRASS TABLET STAMPED "REWARD"	DATE	NO.	BY	SEAL	DATE	NO.	DATE	REMARKS	DATE	DESIGNED BY	DATE	DRAWN BY	CHECKED BY
SHULTS	4/14	GEOGRAPHIC POSITION (NAD 83)	4/14			CHRISTIAN J. SHULTS	10-30-13					CJS	5/2013	BJG	CJS
INSPECTOR'S	DATE	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	DATE												
FIELD	DATE	X = 1,491,190.819 Y = 1,487,364.063	DATE												
ADJUSTED BY	DATE	GROUND-TO-GRID FACTOR = 0.999875005	DATE												
ADJUSTED BY	DATE	AREA = -001712.26"	DATE												
ADJUSTED BY	DATE	NAD 1988 ELEVATION = 5319.691	DATE												

Bohannon & Huston



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

1-40 SANITARY SEWER INTERCEPTOR
MISCELLANEOUS DETAILS



Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
727485	K6, K7	13	13