

46-7612-83-2014

RECORD DRAWINGS

CONSTRUCTION PLANS FOR THE TRAILS UNIVERSE STORM DRAIN ALBUQUERQUE, NEW MEXICO

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION DIVISION
DATE: March 17, 2014

INDEX

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1	COVER SHEET
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9	MISC DRAINAGE DETAILS 7/9/13 SJS

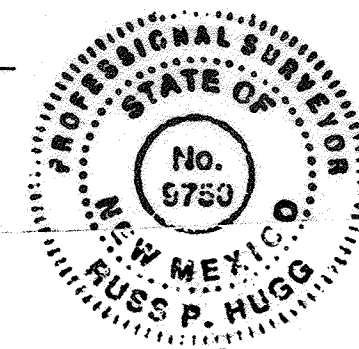
STORM DRAIN PLANS

SHEET NO.	DESCRIPTION
4	UNIVERSE STORM DRAIN STA 26+00 TO 31+00
5	UNIVERSE STORM DRAIN STA 31+00 TO 41+00
6	UNIVERSE STORM DRAIN STA 41+00 TO 51+00
7	UNIVERSE STORM DRAIN STA 51+00 TO 60+00
8	UNIVERSE STORM DRAIN STA 60+00 TO 63+36

SURVEYORS CERTIFICATION

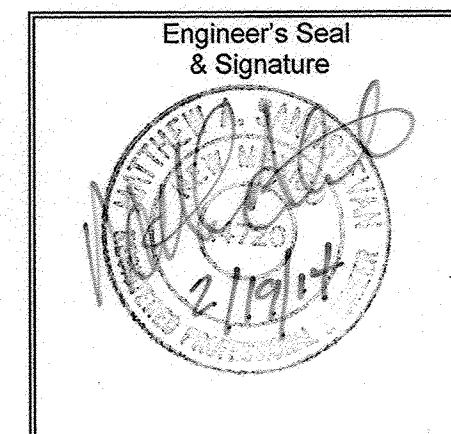
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
02/17, 2014



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Matthew A. Santistevan of the firm of Bohannon Huston, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as shown on these drawings (The Trails Universe Storm Drain) has been inspected 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, Python Construction Company and the surveyor, Russ P. Hugg, NMPS No. 9750.



NOTES:

- ALL SHOULDER WORK, CLEAR ZONE & SIDE SLOPE CRITERIA PER ROADSIDE DESIGN CRITERIA DURING WORK & NON WORK HOURS (SHALL BE COMPLIED) NBY 02/13/13
- CONTRACTOR TO COORDINATE WITH THE CITY OF ALBUQUERQUE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO THE PRE-CONSTRUCTION MEETING.
- CONTRACTOR TO COORDINATE WITH SAD 228 CITY OF ALBUQUERQUE PM MANH TRAIL (168.2791) PRIOR TO START OF CONSTRUCTION.

17. AN SO 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.

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

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- 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.
- 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.
- 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 THERE TO 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 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. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR PER PLAN.

11. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, DMD CONSTRUCTION COORDINATION DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

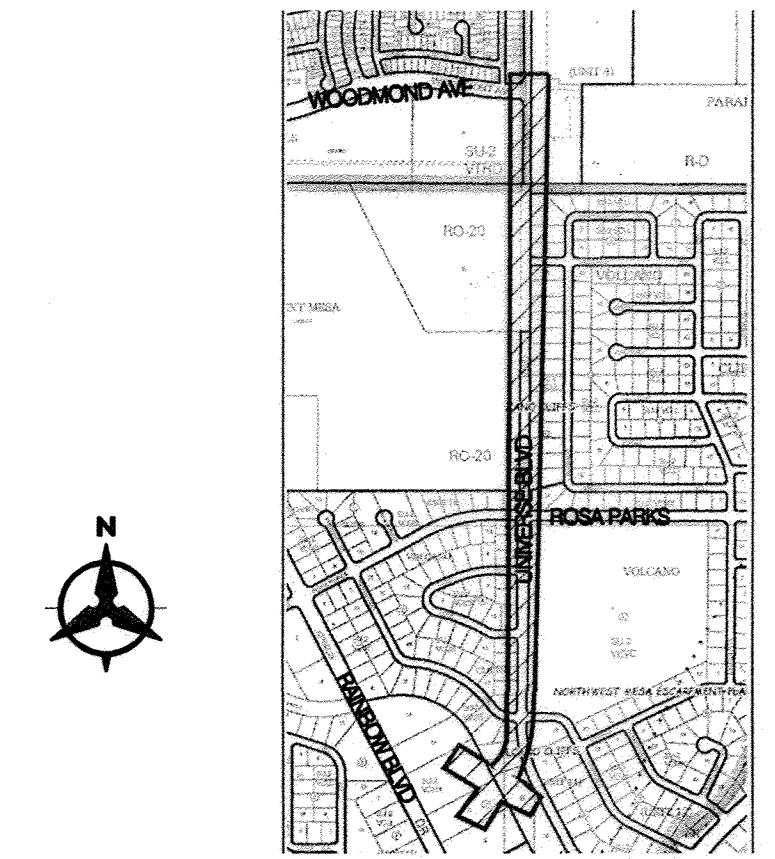
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

14. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.

15. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.

16. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, 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.



VICINITY MAP
C-09-Z / D-09-Z

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMITS WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- 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.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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.
- ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- 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 SURVEYOR 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.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY ABQWUA FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 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 COLLECTORS, 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://abqewa.org/content/view/full/729/>.

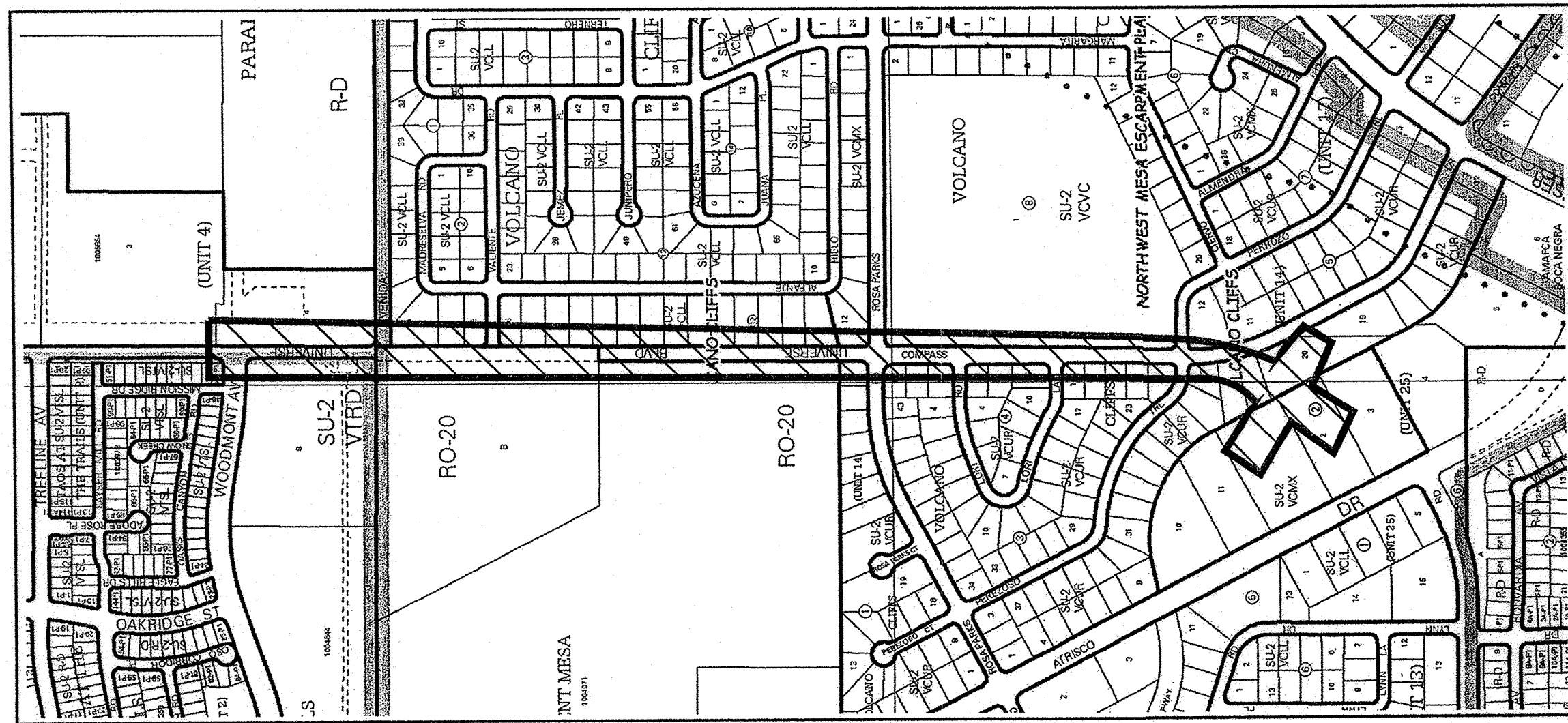
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

DRB #1008797

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	Suppall	3/12/13	APPROVED FOR CONSTRUCTION		
		Transportation		02/13/13			
		Water/Wastewater		2-13-13			
		Hydrology		2-13-13			
		Parks		2-13-13			
		Const. Coord.			City Engineer Date 7/9/2013		
City Project No.		761283			Sheet 1 Of 89		

Bohannon Huston



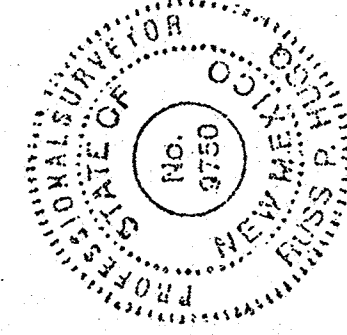
GENERAL NOTES

1. Bearings are apd based on New Mexico State Plane Coordinate System, Central Zone (NAD 83).
2. Distances are ground.
3. Distances along curved lines are arc lengths.
4. Vertical datum is based upon the Albuquerque Control Survey Monument "CC-1A-16-15-1N-26", Elevation = 5,417.900 feet (NAD 1983) as published.
5. Contour interval is one foot.
6. Field surveys were performed during the month of September, 2012
7. Source information from Plans and markings have been combined with observed evidence of utilities to develop a view of those underground utilities that are shown on the plans and field observations. Features that are not shown on the plans but are observed and reliably depicted. Where additional or more detailed information is required, the client is advised to consult with the City of Albuquerque.
8. UTILITIES CLASSIFIED WITH AN ASTERISK (*) ARE FROM PROVIDED PLANS.
9. City of Albuquerque Atlas Pages C-9-Z, C-10-Z, D-9-Z and D-10-Z.
10. No Title Report was provided for this survey. Any possible easements, conditions or restrictions that may be disclosed by such a report are not shown on this survey.

SURVEYOR'S CERTIFICATION

i. Russ P. Hugg, New Mexico Professional Surveyor Number 9780, hereby certify that this Topographic Survey Plat was prepared from an actual ground survey performed by the Surveyor, and that this survey is true and correct to the best of my knowledge and belief; and that this Survey Plat and the field survey upon which it is based meet the Minimum Standards for Surveying in New Mexico; and that this survey is not a "Boundary Survey," as defined in the New Mexico Subdivision Act.

Russ P. Hugg
NMPS No. 9750
September 19, 2012

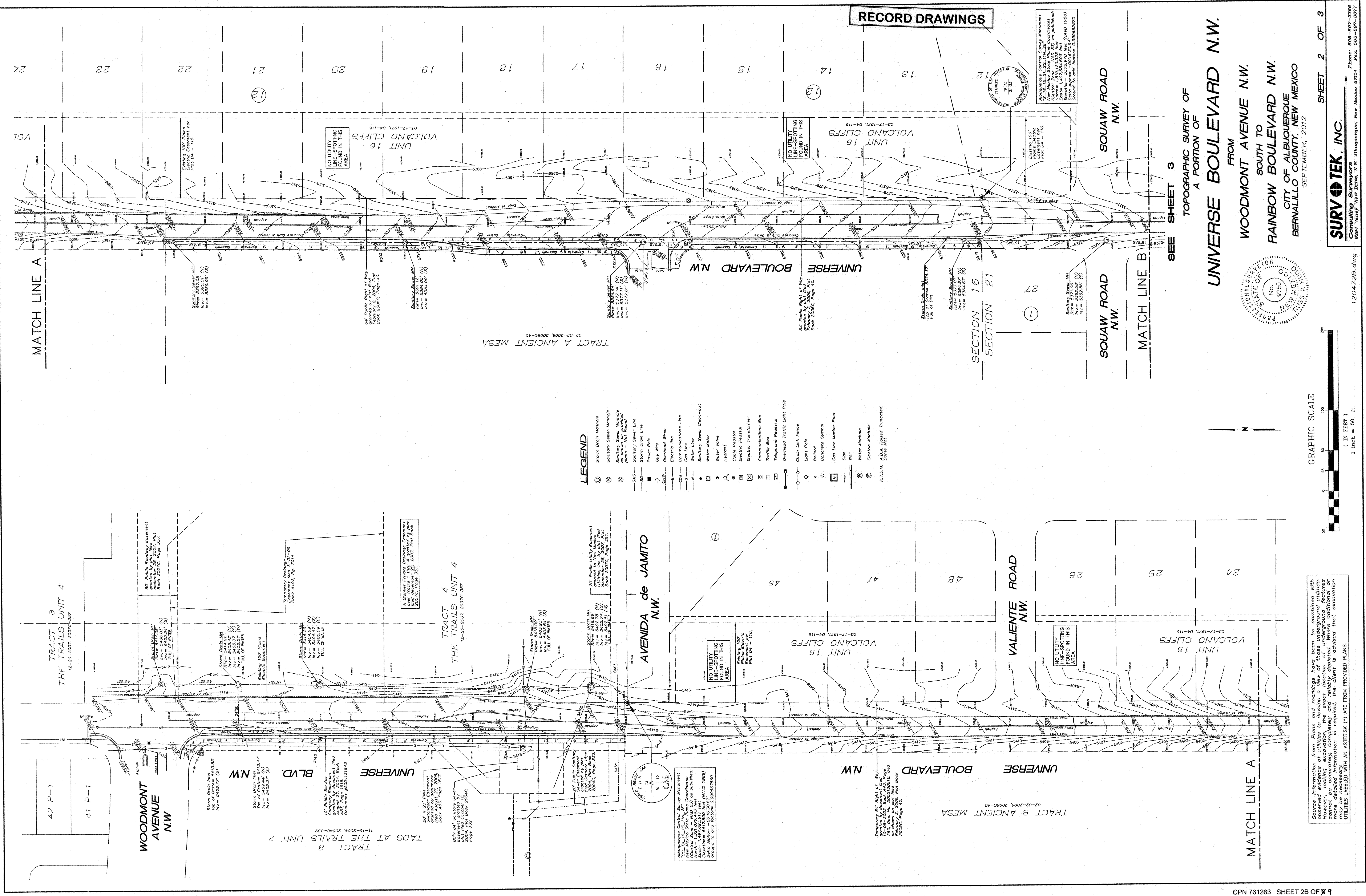


RECORD DRAWINGS

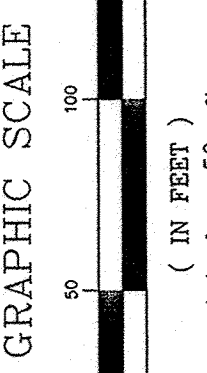
TOPOGRAPHIC SURVEY OF
A PORTION OF
UNIVERSE BOULEVARD N.W.

FROM
WOODMONT AVENUE N.W.
SOUTH TO
RAINBOW BOULEVARD N.W.

**CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2012**



Source information from Plans and markings have been combined with observed excavation and other data to show the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation UTILITIES LABELED WITH AN ASTERISK (*) ARE FROM PROVIDED PLANS.



GRAPHIC SCALE
(IN FEET)
1 inch = 80 ft.

SURVOTEK, INC.
Consulting Surveyors
5824 Valley View Drive, N.W., Albuquerque, New Mexico 87114 Phone: 505-897-8866
FAX: 505-897-8877

120472B.dwg

SHEET 2 OF 3

SEPTEMBER, 2012

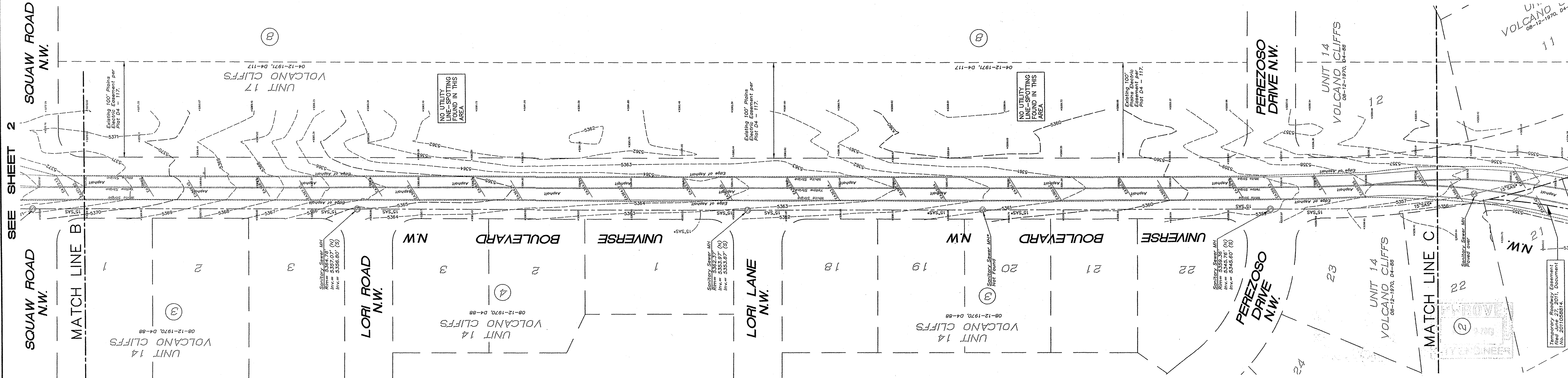
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

RAINBOW BOULEVARD N.W.
WOODMONT AVENUE N.W.

UNIVERSE BOULEVARD N.W.

TOPOGRAPHIC SURVEY OF
A PORTION OF
SEE SHEET 3

RECORD DRAWINGS

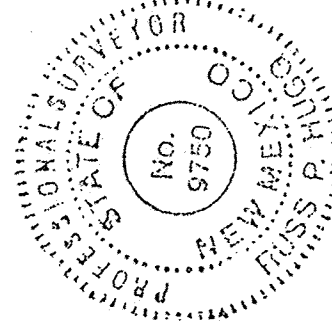


LEGEND

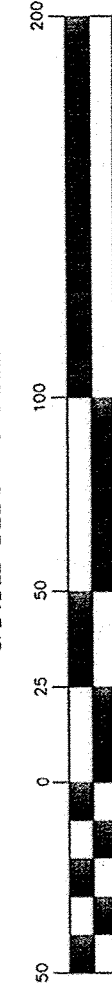
- Storm Drain Manhole
- Sanitary Sewer Manhole
- Electric Line
- Gas Line
- Sanitary Sewer Line
- Storm Drain Line
- Power Pole
- Overhead Wires
- Electric Line
- Communications Line
- Gas Line
- Sanitary Sewer Clean-out
- Water Meter
- Water Valve
- Hydrant
- Cable Pedestal
- Electric Pedestal
- Electric Transformer
- Communications Box
- Traffic Box
- Telephone Pedestal
- Overhead Traffic Light Pole
- Chain Link Fence
- Light Pole
- Ballast
- Concrete Symbol
- Gas Line Marker Post
- Sign
- Wall
- Water Manhole
- Electric Manhole
- R.T.D.M. A.D.A. Raised Truncated Dome Mat

**TOPOGRAPHIC SURVEY OF
A PORTION OF
UNIVERSE BOULEVARD N.W.**

FROM
WOODMONT AVENUE N.W.
SOUTH TO
RAINBOW BOULEVARD N.W.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2012



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

SHEET 3 OF 3

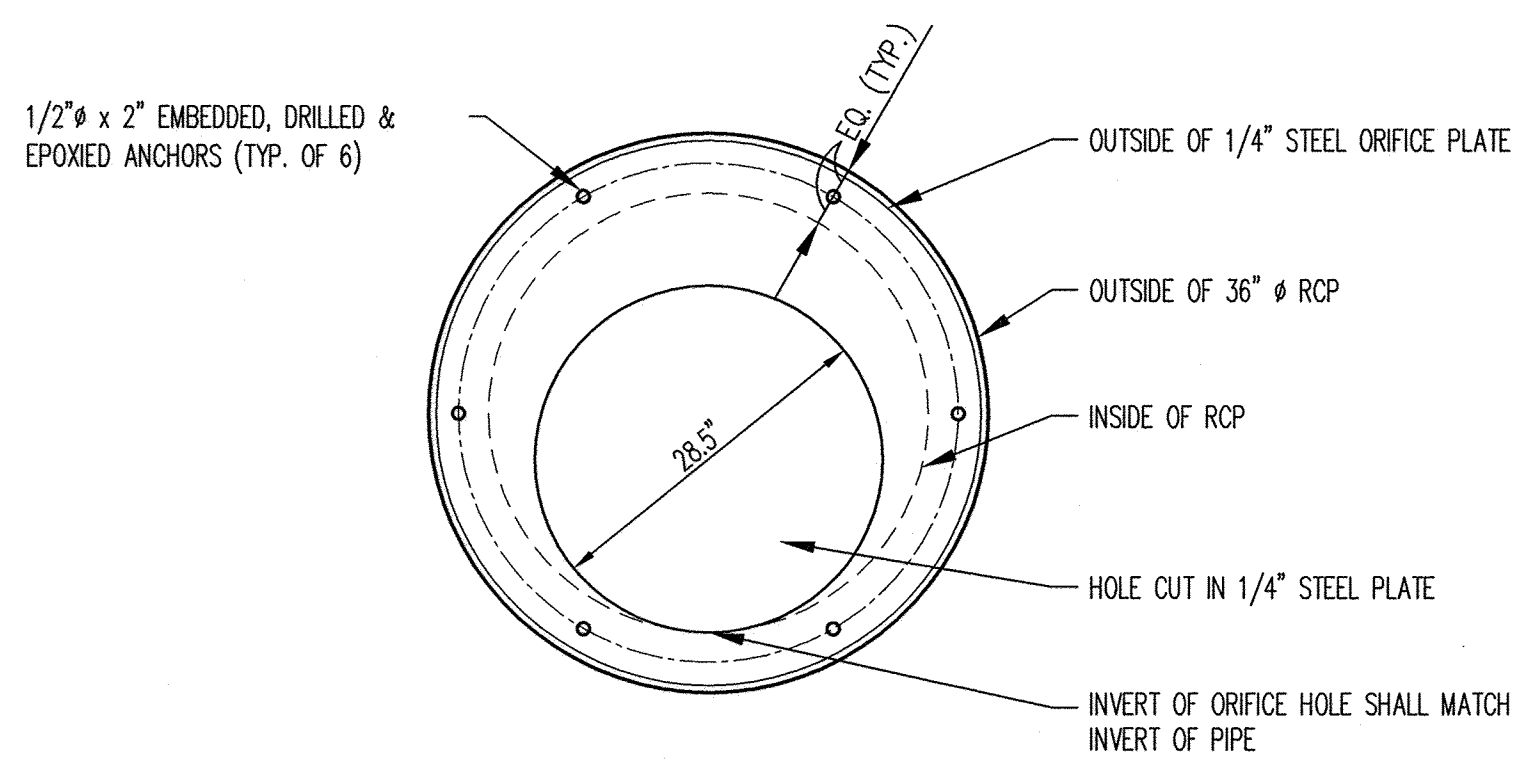
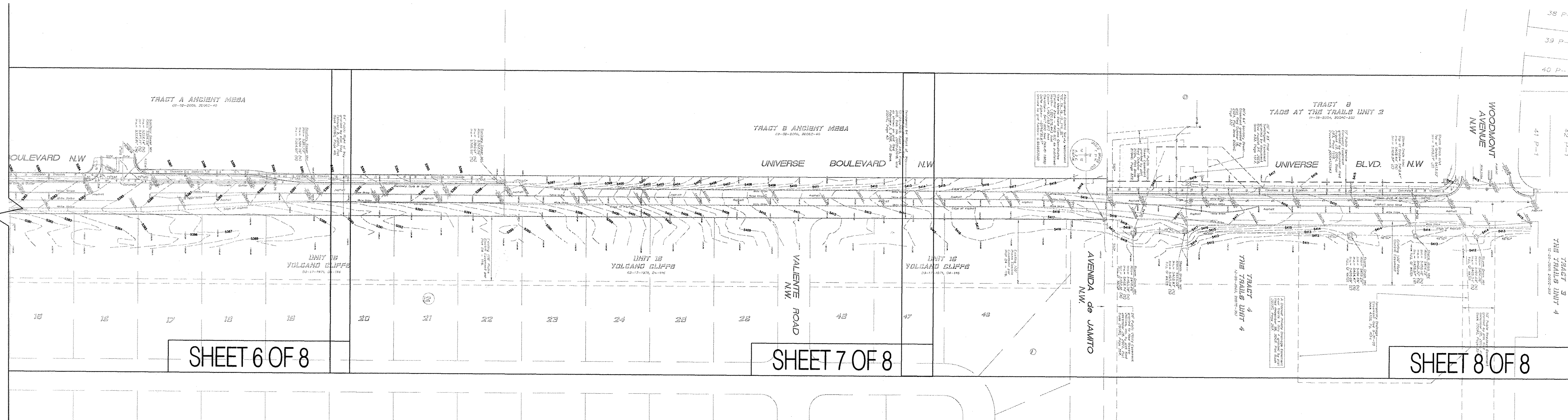
SURVOTEK, INC.

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120472B.dwg

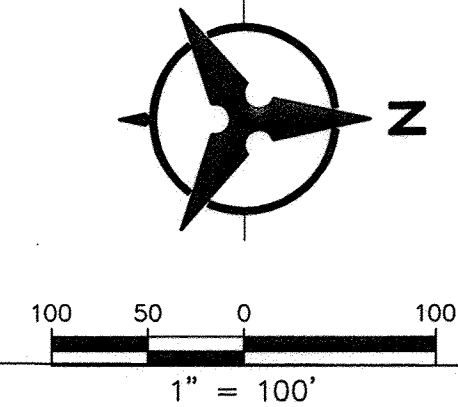
Source information from Plans and markings have been combined with observed evidence of utilities to develop a view of those underground utilities. However, existing excavation are excavated and the utilities are exposed. When additional or more detailed information is required, the client is advised that excavation may be necessary. UTILITIES LABELED WITH AN ASTERISK (*) ARE FROM PROVIDED PLANS.

SEE THIS SHEET FOR CONTINUATION



ORIFICE PLATE DETAIL
NOT TO SCALE

RECORD DRAWINGS



SEE THIS SHEET FOR CONTINUATION

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		FIELD NOTES		NO.		BY		DATE	
CONTRACTOR <i>Pythou</i>		DATE <i>2/14</i>		ACS MONUMENT STAMPED "CC-TA_16_15_11N_2E"											
INSPECTOR'S REVIEW BY <i>Sum-Tek</i>		DATE <i>8/14</i>		GEOGRAPHIC POSITION (NAD 83)											
FIELD INSPECTION BY <i>BH</i>		DATE <i>4/14</i>		N.M. STATE PLANE COORDINATES (CENTRAL ZONE)											
VERIFICATION BY <i>Sum-Tek</i>		DATE <i>2/14</i>		X = 1,497,693.917 Y = 1,521,076.443											
VERIFICATION BY <i>BH</i>		DATE <i>2/14</i>		GROUND-TO-GRID FACTOR = 0.999667560											
MICROFILM INFORMATION				$\Delta\alpha = -00^{\circ}16'30.67''$											
RECORDED BY		DATE		NAVD 1988 ELEVATION = 5417.800											
NO.															
DESIGNED BY: <i>SJS</i>		DATE: 10/2012													
DRAWN BY: <i>DTH</i>		DATE: 10/2012													
CHECKED BY: <i>SJS</i>		DATE: 10/2012													

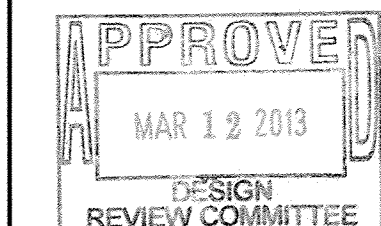
Bohannon & Huston



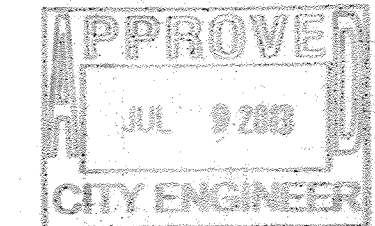
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

THE TRAILS UNIVERSE STORM DRAIN
OVERALL STORM DRAIN PLAN

Design Review Committee



City Engineer Approval



Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

761283

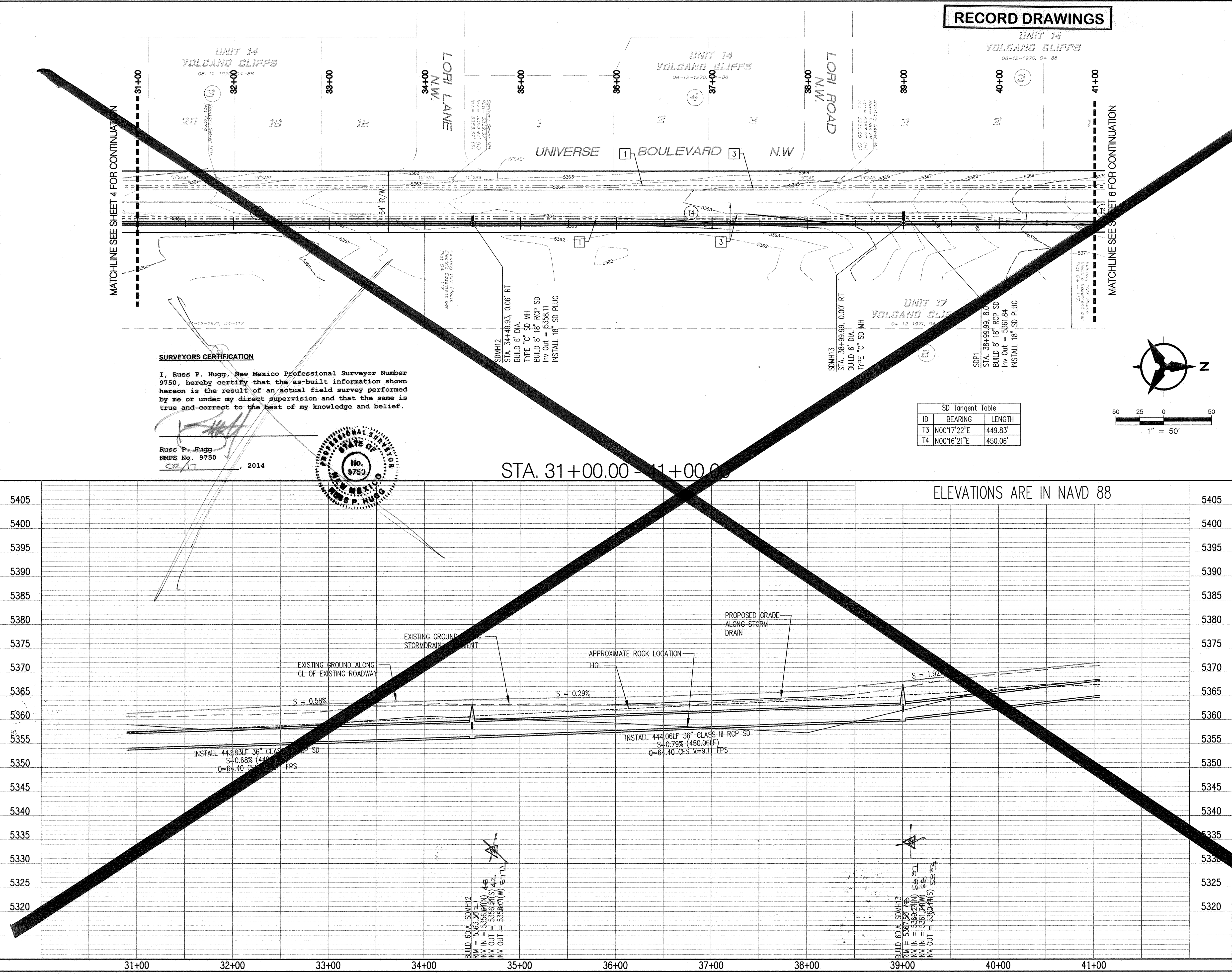
Zone Map No.
C-09/D-09

Sheet

Of

3

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RECORD DRAWINGS

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.
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. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF STANDARD CURB OR OTHERWISE SPECIFIED.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
5. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
6. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. MH RIMS & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
8. STORM DRAIN STATIONING FOLLOWS CL OF STORM DRAIN UNLESS OTHERWISE NOTED.
9. STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
10. FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
11. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
12. 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.
13. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
14. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED NOTES

- 1 FUTURE CURB & GUTTER
- 2 EXISTING CURB & GUTTER
- 3 EXISTING EDGE OF ASPHALT
- 4 EXISTING 48" STORM DRAIN

Bohannon & Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

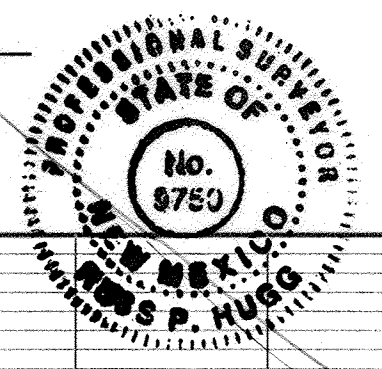
THE TRAILS UNIVERSE STORM DRAIN
UTILITY PLAN AND PROFILE
STA. 31+00.00 - 41+00.00

Design Review	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUL 9 2013 DESIGN REVIEW COMMITTEE	APPROVED JUL 9 2013 CITY ENGINEER		
City Project No. 761283		Zone Map No. C-9 / D-9	Sheet 5 of 9

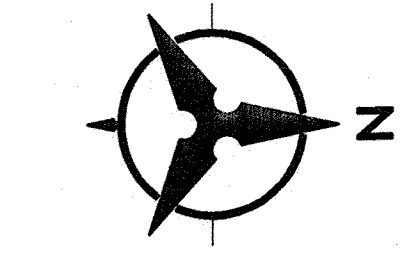
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, 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.

Russ P. Hugg
NMPS No. 9750
2014

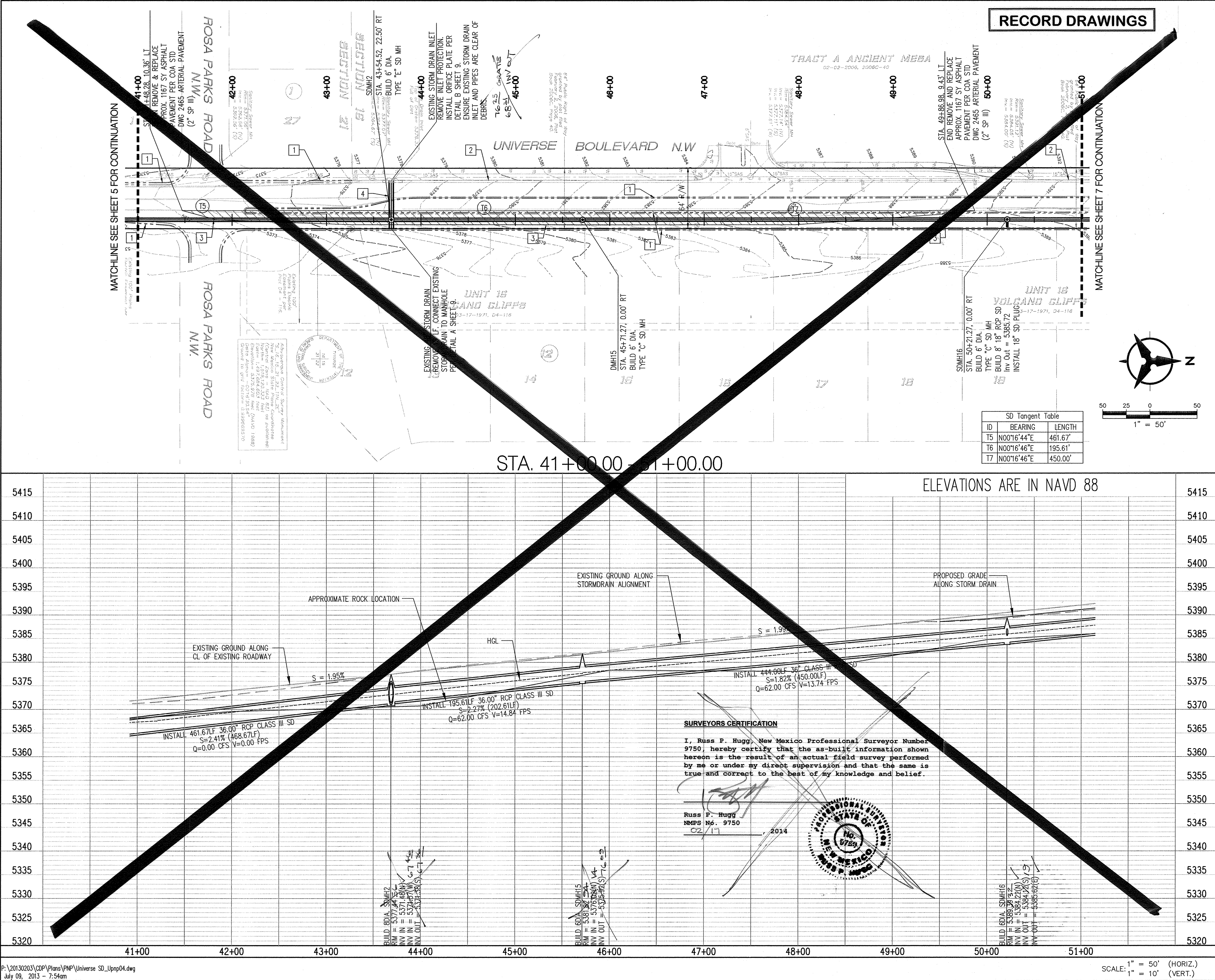


ID	BEARING	LENGTH
T3	N00°17'22"E	449.83'
T4	N00°16'21"E	450.06'



50 25 0 50
1" = 50'

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	REMARKS	REVISIONS
PTM	8/14	1	San-Tek	1	San-Tek	DESIGN	
INSPECTOR	DATE						
SALES	8/14						
FIELD	8/14						
MODIFIED BY	DATE						
SALES	8/14						
FIELD	8/14						
MICRO-FILM INFORMATION				DESIGNED BY: SJS			
				DRAWN BY: DH			
				CHECKED BY: SJS			
				DATE: 10/2012			
				DATE: 10/2012			
				DATE: 10/2012			



- GENERAL NOTES
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- KEYED NOTES
- [1] FUTURE CURB & GUTTER
 - [2] EXISTING CURB & GUTTER
 - [3] EXISTING EDGE OF ASPHALT
 - [4] EXISTING 48" STORM DRAIN

Bohannon & Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

THE TRAILS UNIVERSE STORM DRAIN
UTILITY PLAN AND PROFILE
STA. 41+00.00 - 51+00.00

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUL 9 2013 DESIGN REVIEW COMMITTEE	APPROVED JUL 9 2013 CITY ENGINEER		

City Project No. 761283

Zone Map No. C-9 / D-9

Sheet 6 of 9

AS-BUILT INFORMATION

CONTRACTOR: *pyt* DATE: *7/9*

WORK BY: *pyt* DATE: *7/9*

SUPERVISOR: *BHL* DATE: *7/9*

ACCEPTANCE BY: *BHL* DATE: *7/9*

VERIFICATION BY: *pyt* DATE: *7/9*

DRIVING BY: *pyt* DATE: *7/9*

MICRO-FILM INFORMATION

RECORDED BY: *pyt* DATE: *7/9*

NO. 5417.800

ENGINEER'S SEAL

By: *pyt*

REVISIONS

DESIGN

DATE: 10/2012

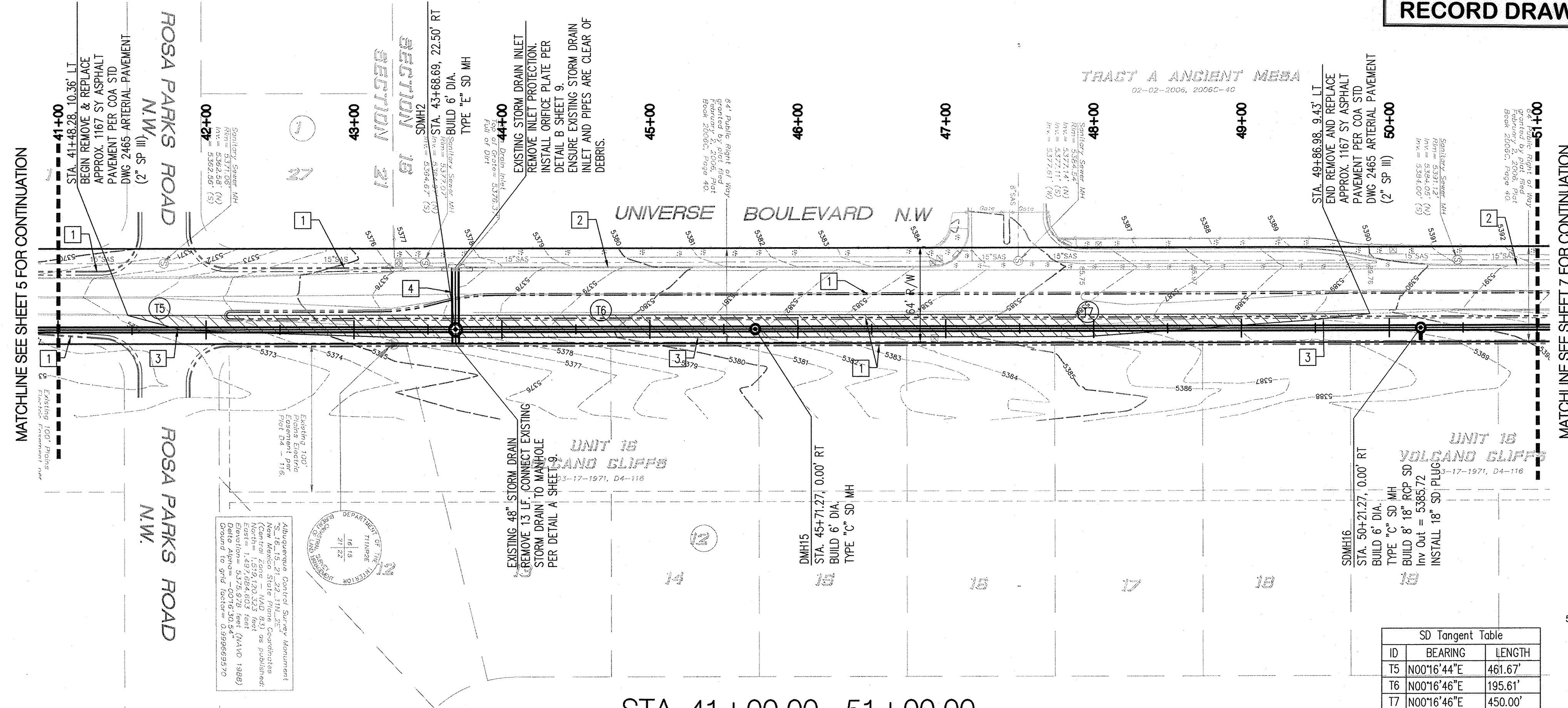
DATE: 10/2012

DATE: 10/2012

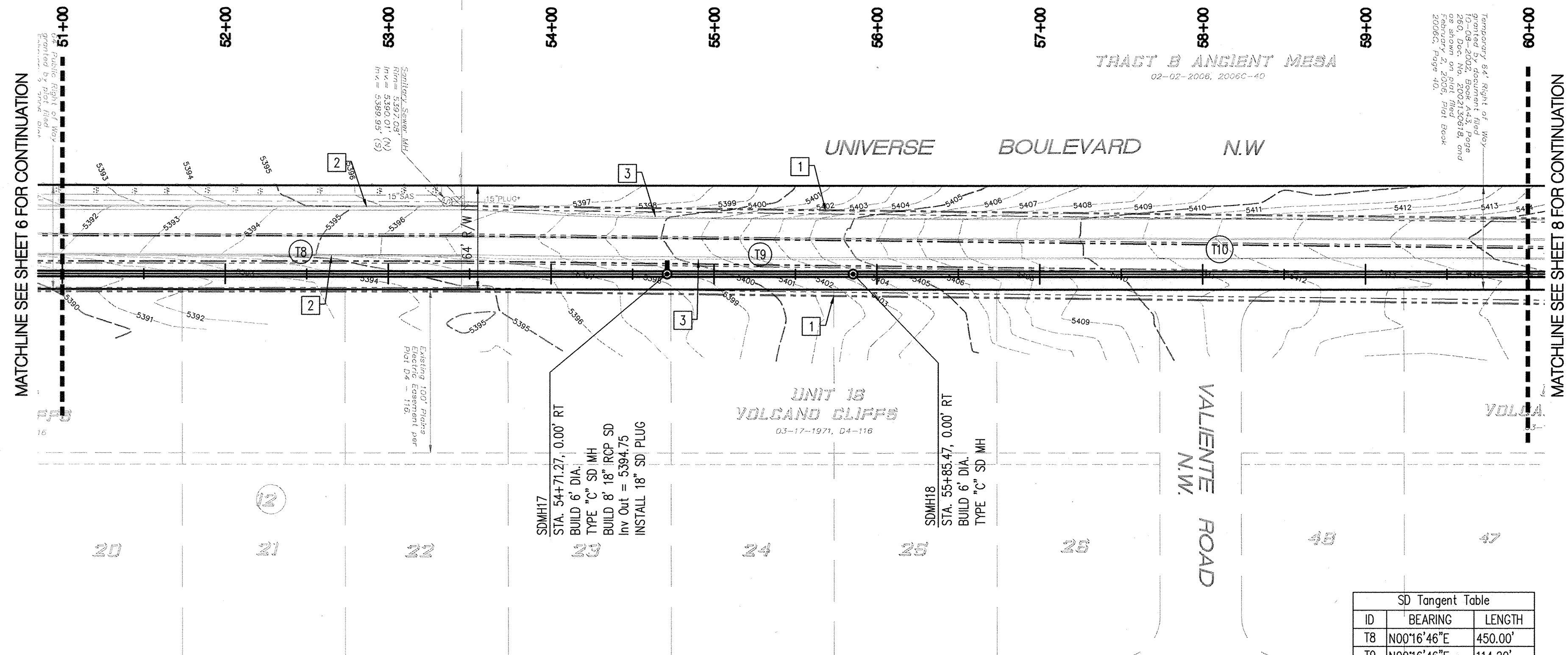
Designed By: SJS

Drawn By: DH

Checked By: SJS



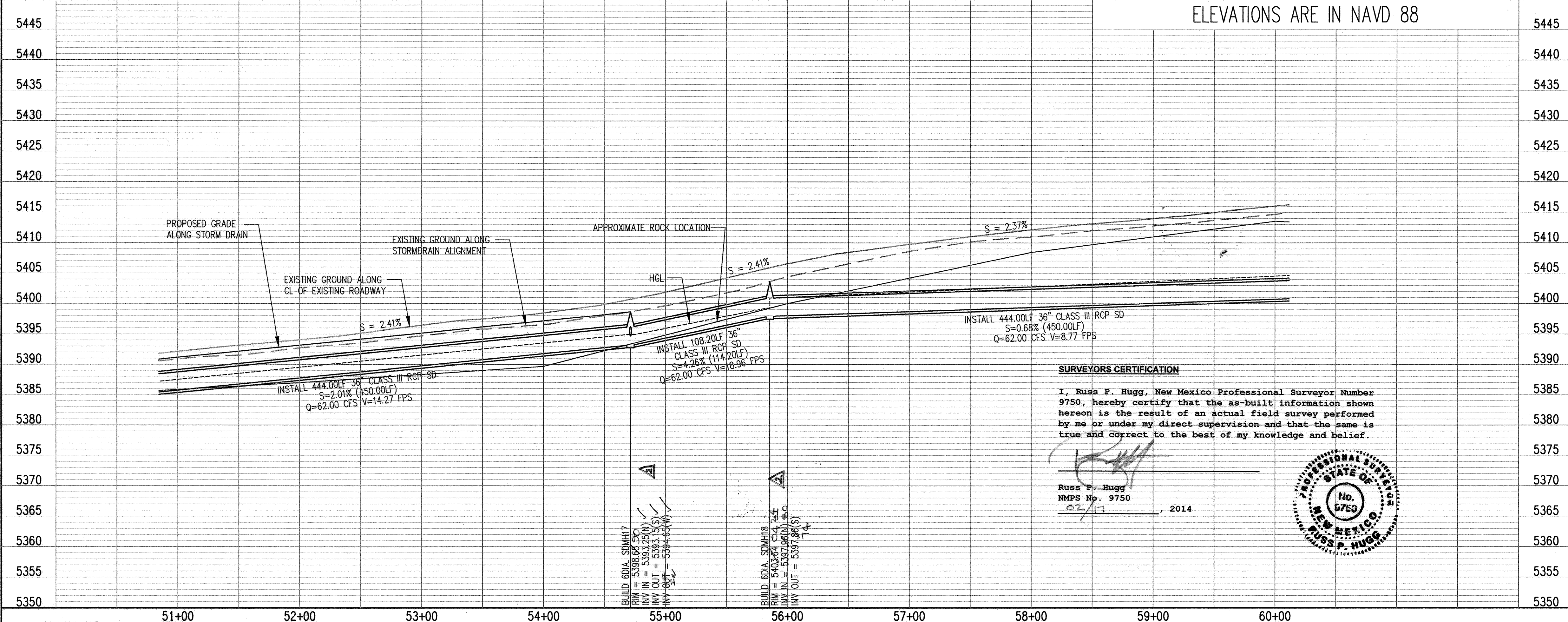
RECORD DRAWINGS



ID	BEARING	LENGTH
T8	N00°16'46"E	450.00'
T9	N00°16'46"E	114.20'
T10	N00°16'46"E	450.00'

STA. 51+00.00 - 60+00.00

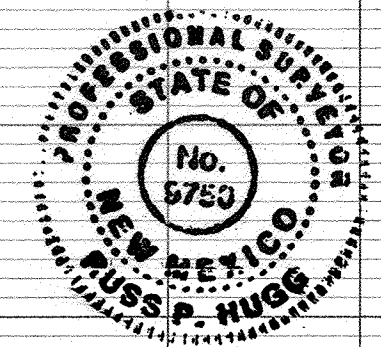
ELEVATIONS ARE IN NAVD 88



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Russ P. Hugg
NMPS No. 9750
02/11/2014



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Bohannon & Huston

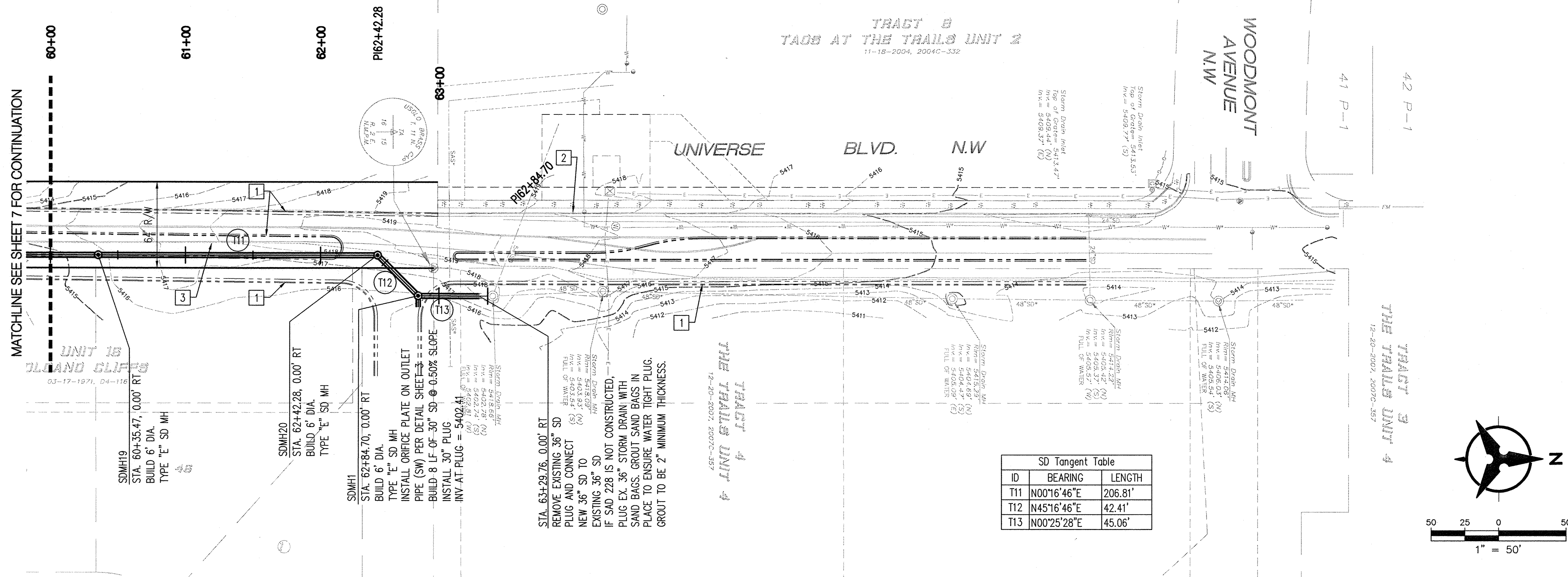
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

THE TRAILS UNIVERSE STORM DRAIN
UTILITY PLAN AND PROFILE
STA. 51+00.00 - 60+00.00

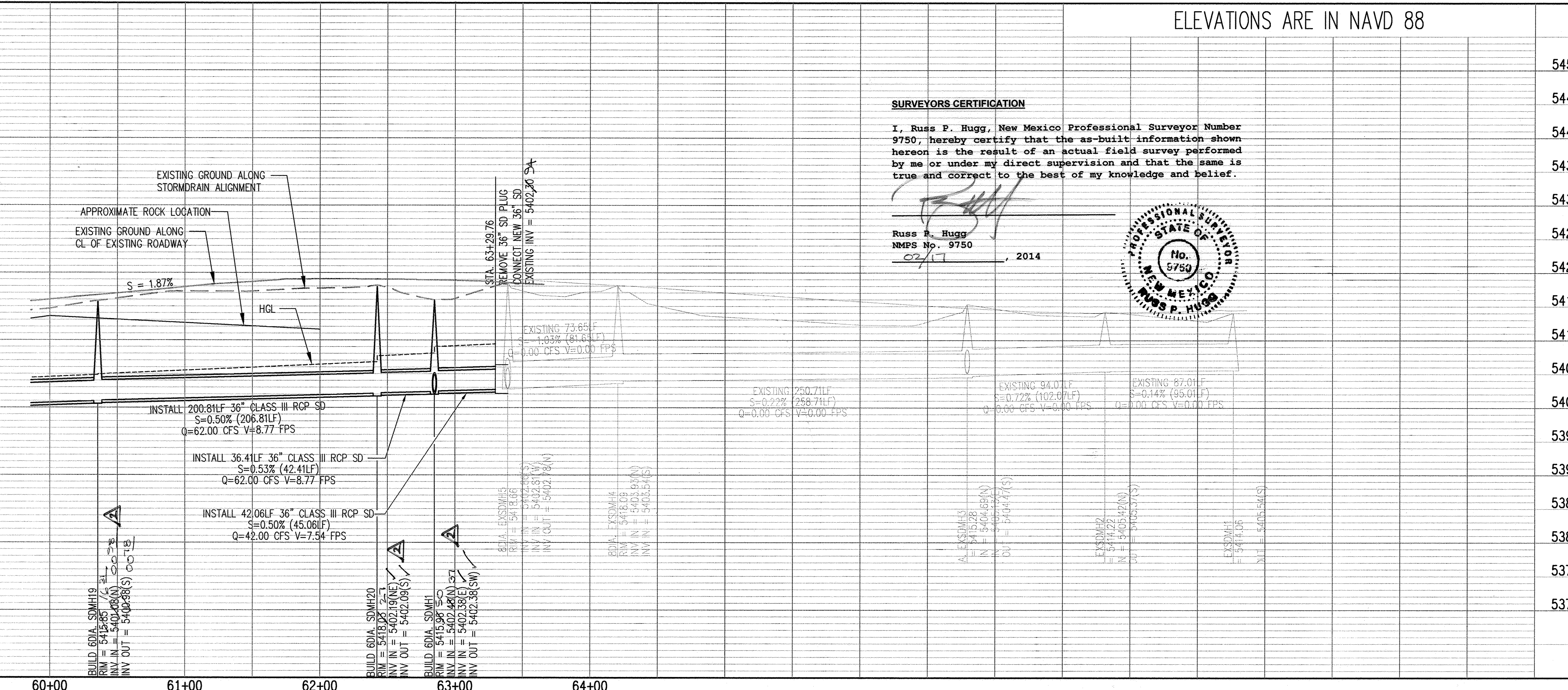
Design Review Committee	City Engineer Approval	No./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 19 2013 DESIGN REVIEW COMMITTEE	APPROVED JUL 9 2013 CITY ENGINEER		

City Project No. 761283
Zone Map No. C-9 / D-9
Sheet 7 of 9

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STA. 60+00.00 - 63+36.00



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- [4] EXISTING 48" STORM DRAIN

AS-BUILT INFORMATION

CONTRACTOR	DATE
INSPECTED BY	DATE
FIELD BY	DATE
REVISION BY	DATE
CORRECTED BY	DATE

SURVEY INFORMATION

NO.	DATE	BY
1	3/4	Swi-Tek

ENGINEER'S SEAL

REMARKS
REVISIONS
DESIGN

No. Date

Designed By: SJS
Drawn By: DH
Checked By: SJS

DATE: 10/2012
DATE: 10/2012
DATE: 10/2012

Bohannon & Huston

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

THE TRAILS UNIVERSE STORM DRAIN
UTILITY PLAN AND PROFILE
STA. 60+00.00 - 63+36.00

Design Review Committee

DESIGN REVIEW COMMITTEE

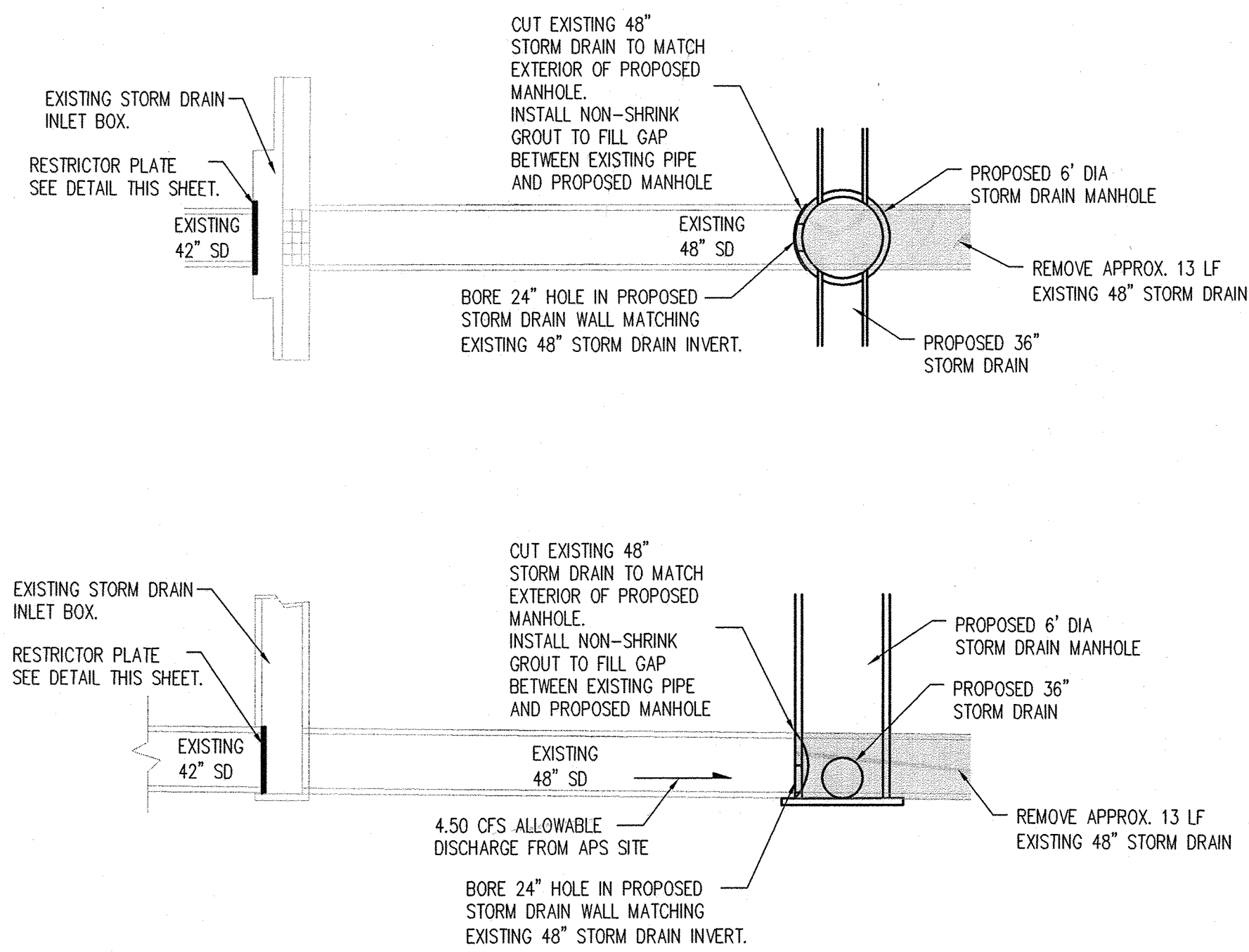
City Engineer Approval

CITY ENGINEER

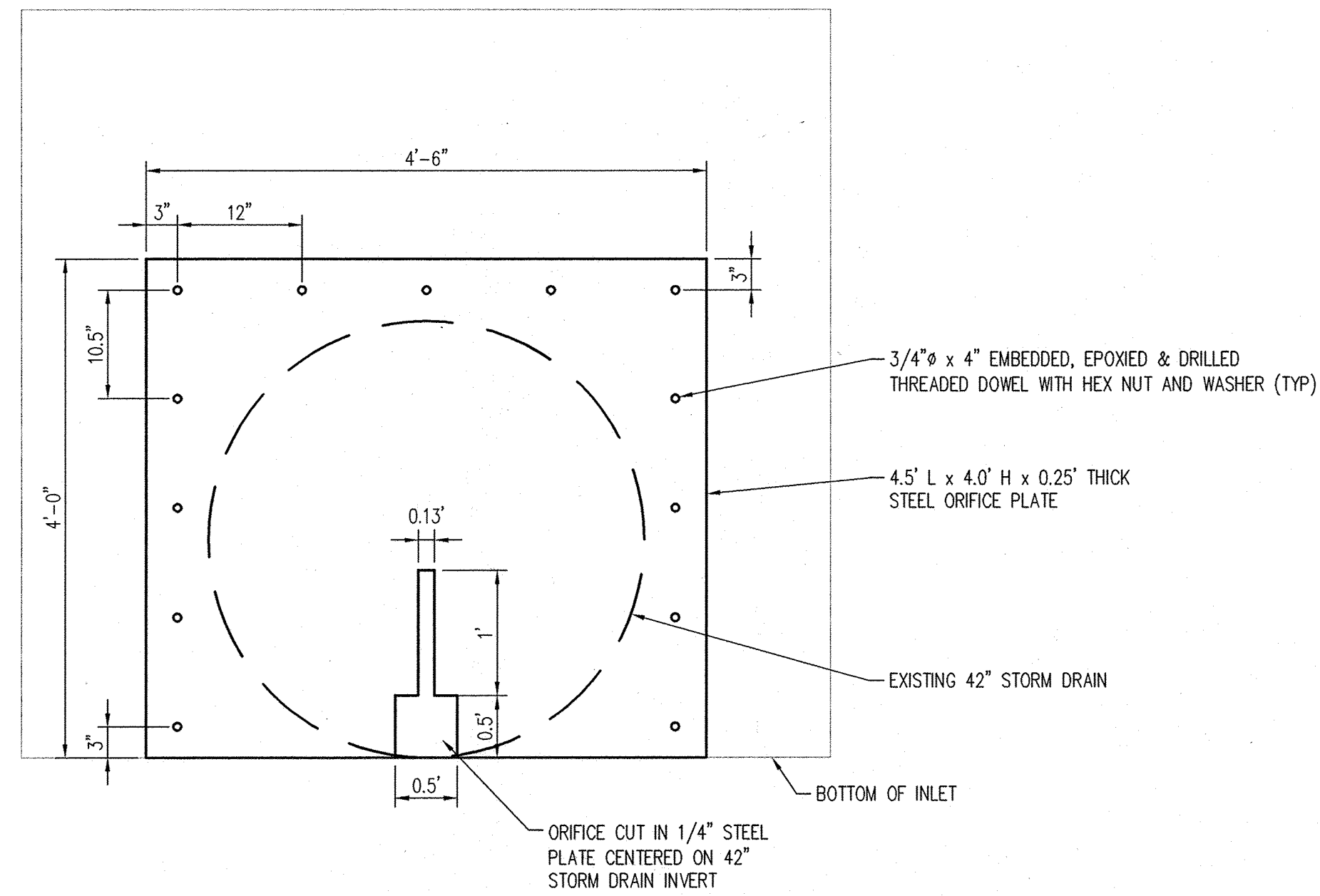
Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
761283	C-9 / D-9	8	89

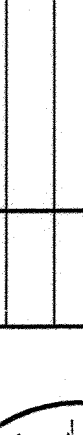
RECORD DRAWINGS



A STORM DRAIN DETAIL
NOT TO SCALE



B ORIFICE PLATE DETAIL
NOT TO SCALE

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		
		FIELD NOTES						
		NO.	BY	DATE				
				ACS BRASS TABLET STAMPED "7-C10"		CONTRACTOR <u>Python</u> DATE <u>8/2</u>		
				GEOGRAPHIC POSITION (NAD 83)		DRAWN BY <u>Sami-Tek</u> DATE <u>8/2</u>		
				N.M. STATE PLANE COORDINATES (CENTRAL ZONE)		INSPECTOR'S ACCEPTANCE BY <u>BAH</u> DATE <u>8/2</u>		
				X = 1,499,200.29 Y = 1,521,838.43		DRAWINGS CORRECTED BY <u>Sami-Tek</u> DATE <u>8/2</u>		
				GROUND-TO-GRID FACTOR = 0.999667290		REVISIONS BY <u>Sami-Tek</u> DATE <u>8/2</u>		
				Δα = -00°16'20"		MICROFILM INFORMATION		
				NAVD 1988 ELEVATION = 5425.21		RECORDED BY		
						DATE		
						NO.		
		</						

Bohannon & Huston	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
THE TRAILS UNIVERSE STORM DRAIN MISCELLANEOUS PAVING DETAILS DRAINAGE TRAILS SUS	
Design Review Committee	City Engineer Approval
Zone Map No.	Sheet
761283	C-9 / D-9
9	9