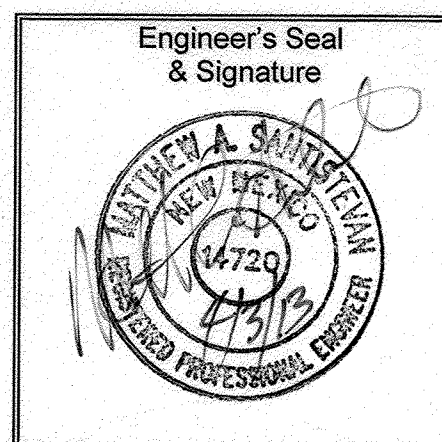


## GENERAL NOTES:

- 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 WITH UPDATE NO. 8.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED WITH UPDATE NO. 8.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- TRAFFIC CONTROL: SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS SHOWN IN THIS PLAN SET.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED. CUTS SHALL BE ORTHOGONAL TO TRAFFIC DIRECTION.
- EXISTING CURB AND GUTTER NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING.
- ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS.
- CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR 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.
- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- WARNING—EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HR. CONSTRUCTION.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 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.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING & MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.

## 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 (Universe Boulevard 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 their surveyor, Russ P. Hugg, NMPS #9750.



## CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT PLANS FOR CONSTRUCTION

# THE TRAILS UNIVERSE BOULEVARD STORM DRAIN PROJECT #693382

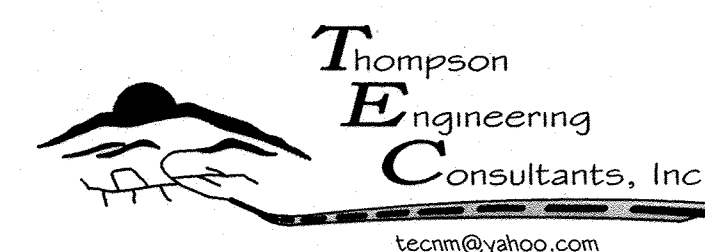
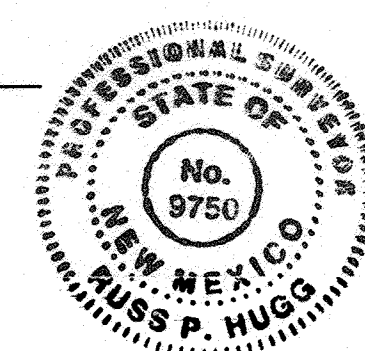
## INDEX OF SHEETS

- TITLE SHEET
- TREELINE AVE & UNIVERSE BLVD. STORM DRAIN PLAN AND PROFILE
- UNIVERSE BLVD. STORM DRAIN STA. 30+50 TO STA. 38+00 PLAN AND PROFILE
- TYPICAL SECTION

## 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.

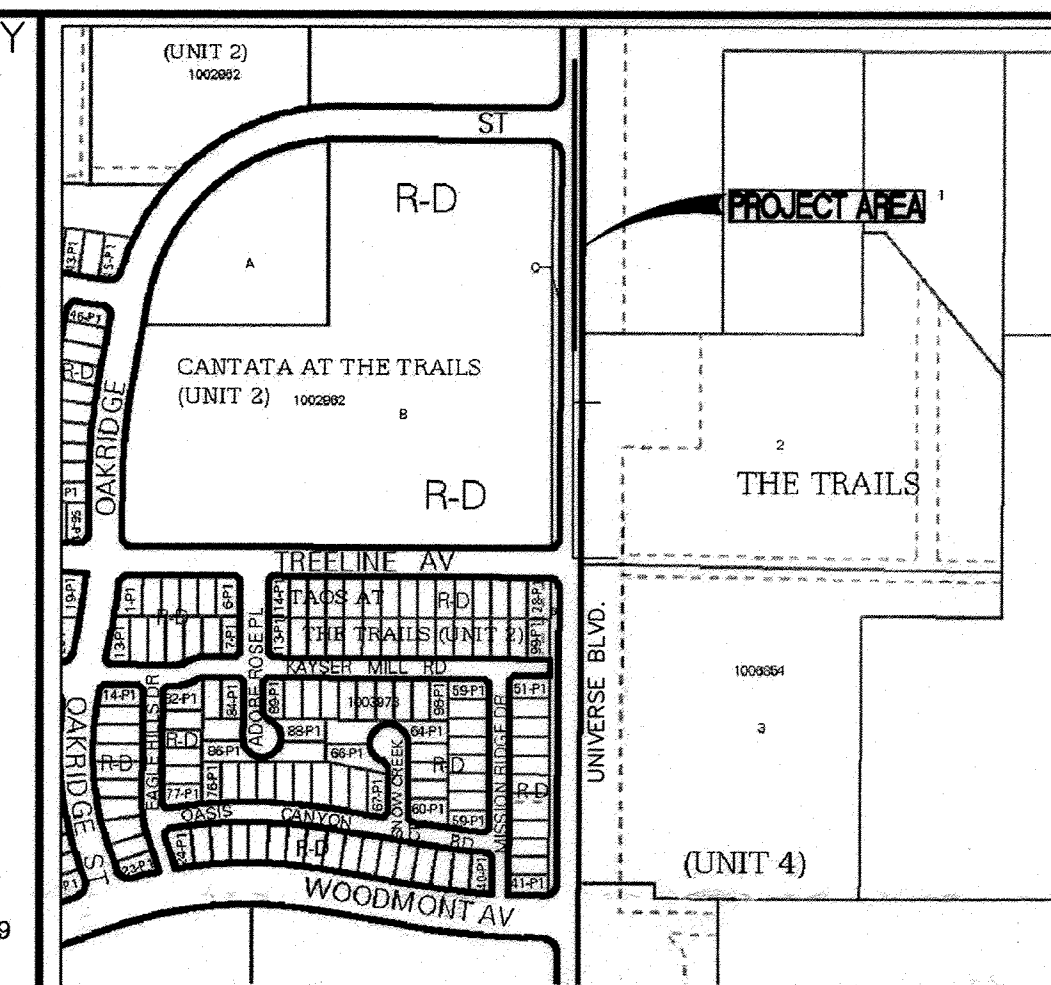
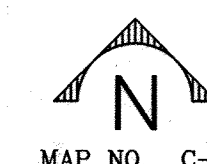
Russ P. Hugg  
NMPS No. 9750  
04/03, 2013



P.O. BOX 65760  
ALBUQUERQUE, NM 87119  
PHONE: (505) 271-2199  
FAX: (505) 830-9248

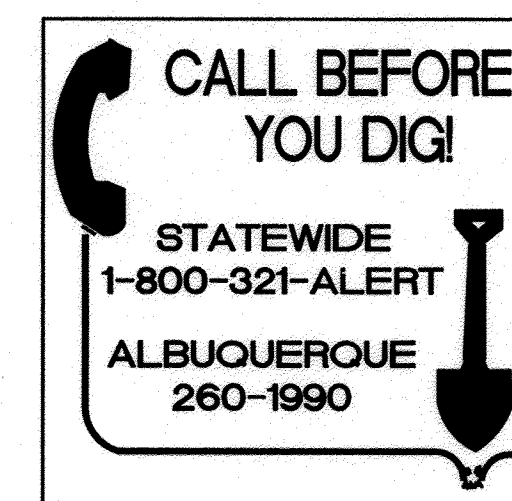
APPROVED AS RECORD DRAWINGS  
DESIGN REVIEW SECTION  
CITY CONSTRUCTION ENGINEER  
Paul Olson  
DATE: 4-23-2013



VICINITY  
MAP  
NTS



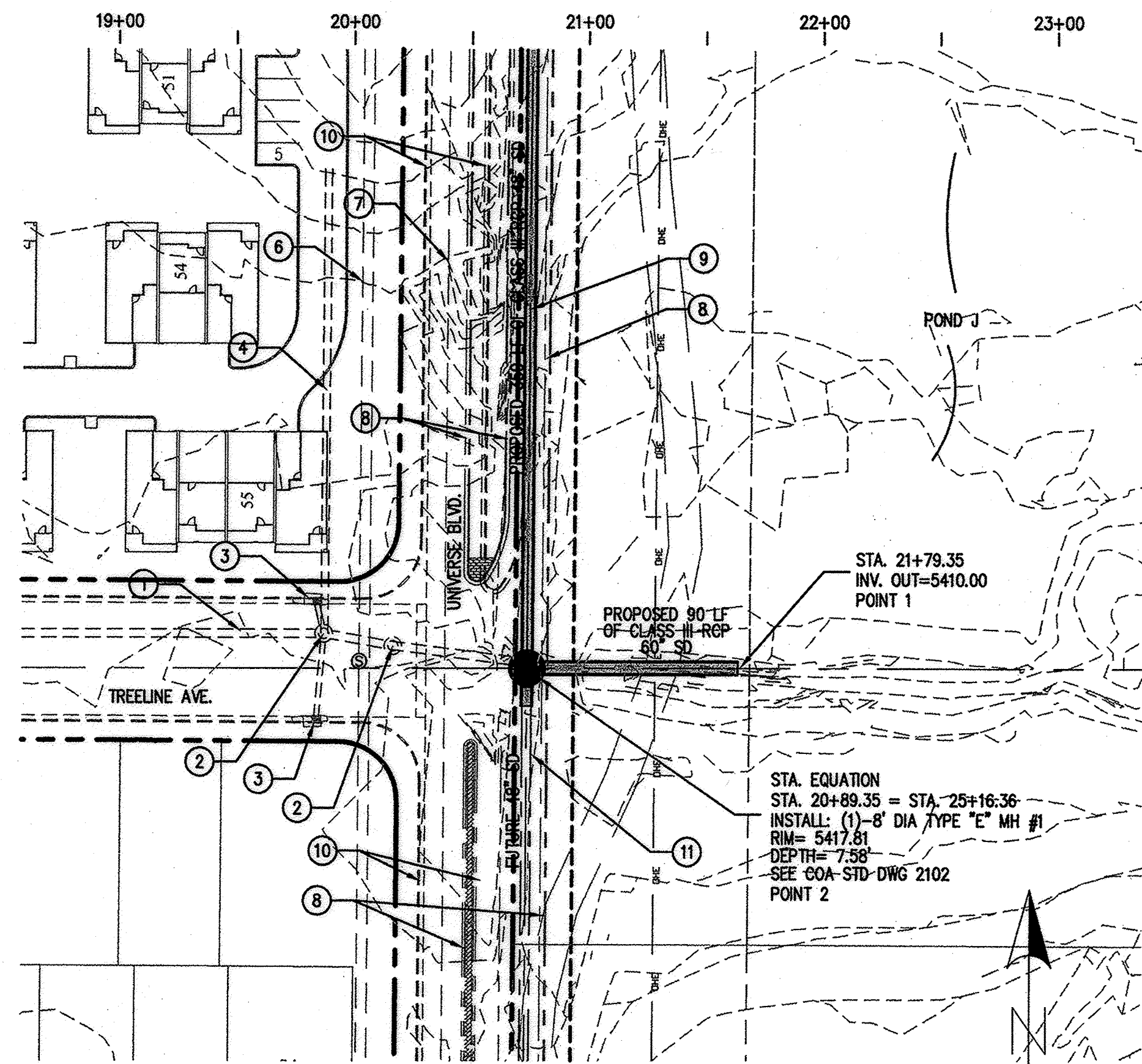
ZONE ATLAS MAP C-9-Z

## RECORD DRAWINGS

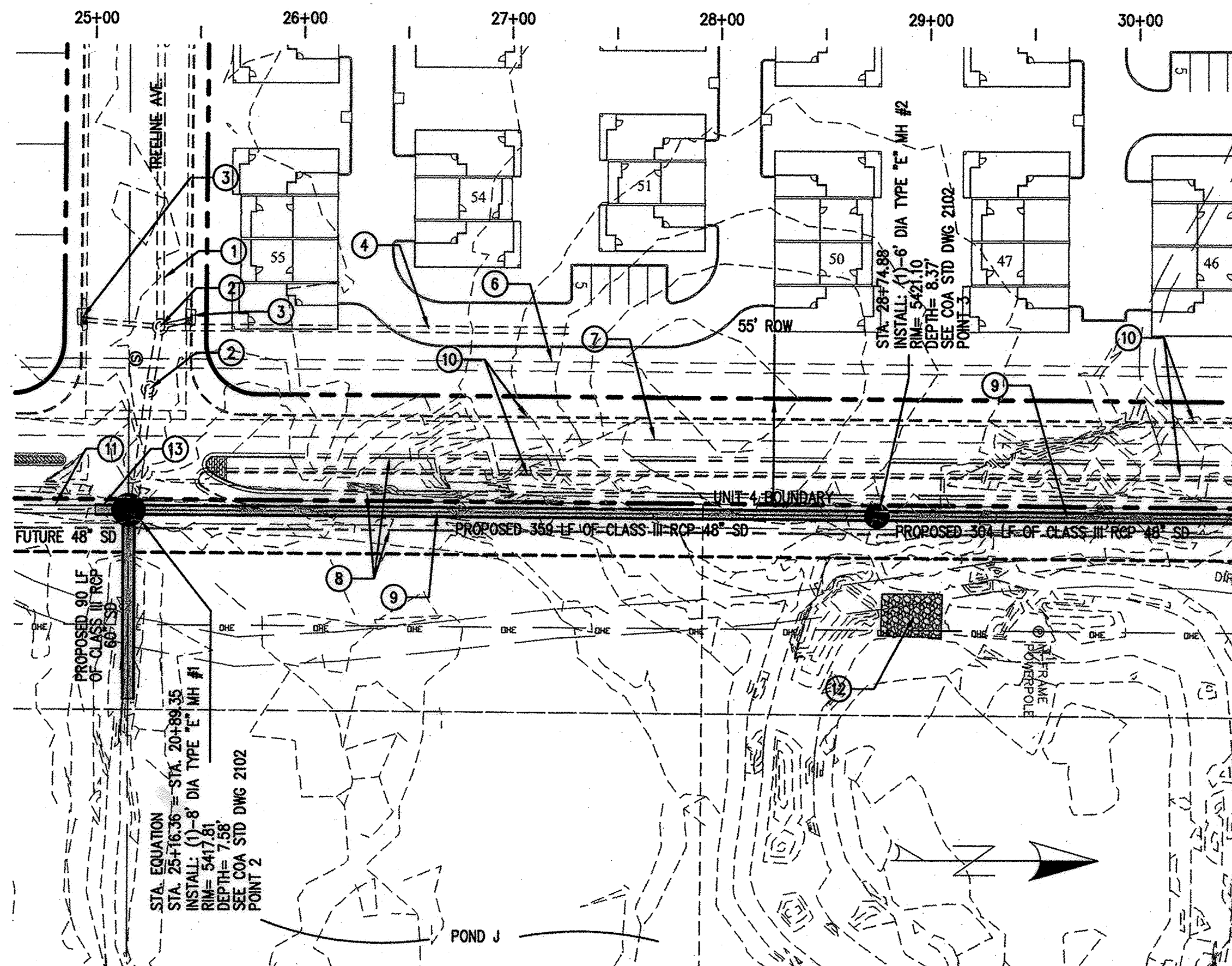


REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
ENGINEERS STAMP & SIGNATURE		APPROVED	ENGINEER		DATE	APPROVED FOR CONSTRUCTION			
		DRC Chairman	<i>R. Woodall</i>		2/6/13				
		Transportation	<i>MM</i>		11-14-12				
		Water/Wastewater	<i>Spencer</i>		11-14-12				
		Hydrology	<i>HB</i>		11/14/12				
		C I P							
		AMAFCA							
		Constr. Coord.				CITY ENGINEER		DATE	
		PROJECT NUMBER							
		693382				DRAWING NO. 1 OF 4			





TREELINE AVENUE N.W.



UNIVERSE BOULEVARD N.W.

NOTE:  
CONTRACTOR TO FIELD VERIFY INVERTS AT  
OF EXISTING STORM DRAIN PRIOR TO STARTING  
CONSTRUCTION OF STORM DRAIN.

### KEYED NOTES:

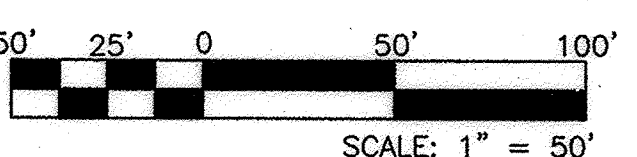
- ① EXISTING 42" STORM DRAIN
- ② EXISTING STORM DRAIN MANHOLE
- ③ EXISTING TYPE A STORM DRAIN INLET
- ④ EXISTING 30" STORM DRAIN
- ⑤ 25' PUBLIC STORM DRAIN EASEMENT
- ⑥ APPROX LOCATION EXISTING SAS FORCE MAIN
- ⑦ EXISTING 12" WATER LINE
- ⑧ FUTURE CURB AND GUTTER
- ⑨ CONSTRUCTION CENTERLINE
- ⑩ EXISTING CURB AND GUTTER
- ⑪ FUTURE STORM DRAIN
- ⑫ EXISTING EMERGENCY SPILLWAY
- ⑬ PROPOSED 1 SECTION OF 48" SD WITH PLUG

ALIGNMENT	BEARING	DISTANCE
UNIVERSE BLVD.	N 00° 16' 10" E	3677.38'
TREELINE AVE.	N 90° 00' 00" E	610.93'

POINT #	NORTHING	EASTING
1	1522945.67	357670.61
2	1522945.68	357579.84
3	1523304.20	357581.53
4	1523608.51	357582.96
5	1523618.58	357583.01

Tracts 2, 3 & 4 - The Trails - Unit 4  
Public Drainage Easement  
Dec: 2011/02/17  
Date: 11/08/2011  
Agreement & Covenant  
Dec: 2011/02/18  
Date: 11/08/2011

### RECORD DRAWINGS



**Thompson Engineering Consultants, Inc.**  
P.O. BOX 65760  
ALBUQUERQUE, NM 87193  
PHONE: (505) 271-2199  
FAX: (505) 830-9246  
tccm@yelpoo.com

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION

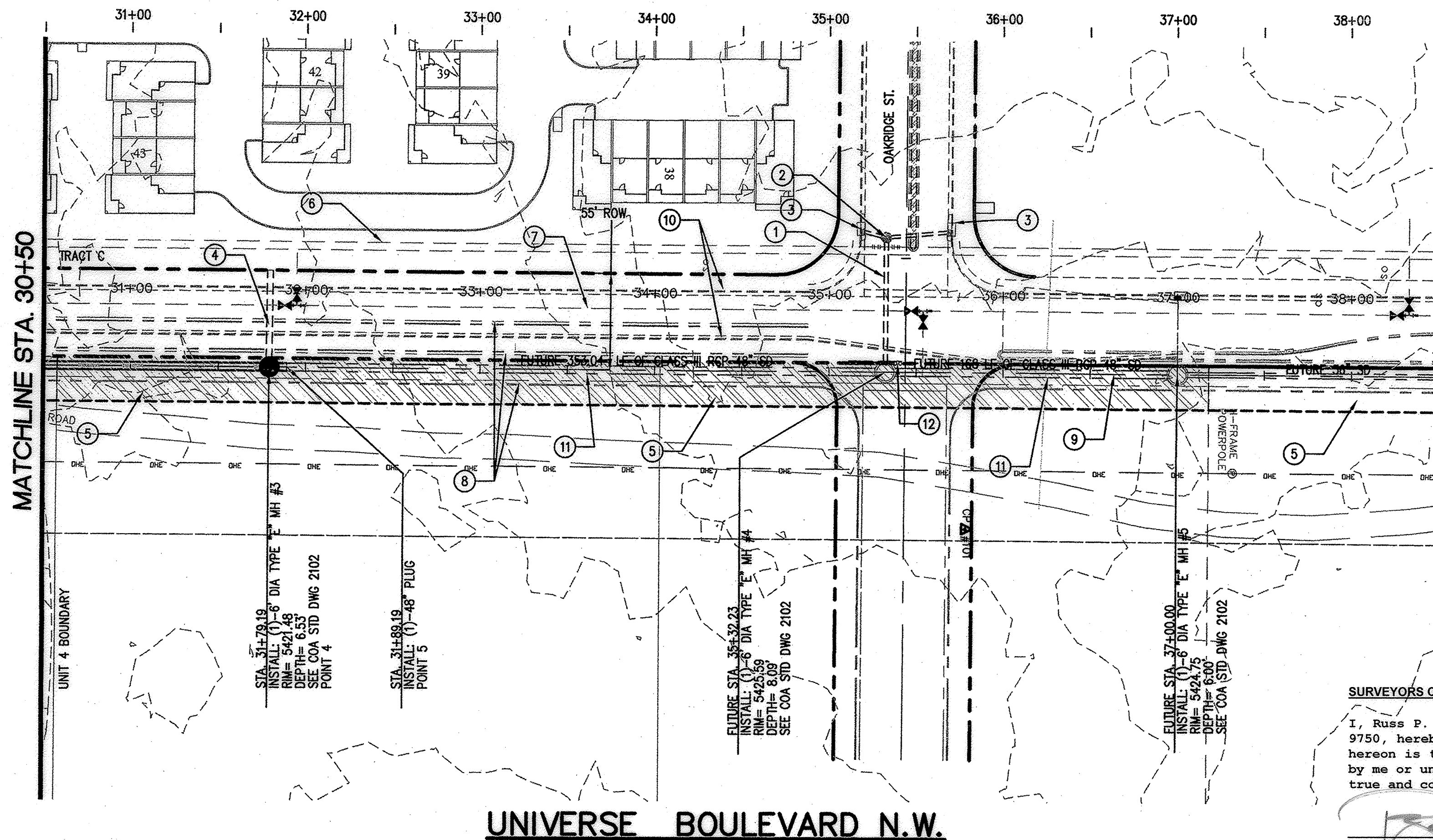
### UNIVERSE BLVD. STORM DRAIN TREELINE AVE & UNIVERSE BLVD. STORM DRAIN PLAN AND PROFILE

Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.
DESIGNED BY	CHECKED BY	DATE	DATE
DEM	DBT	11-8-12	11-8-12

City Project No. **693382** Zone Map No. **C-9-Z** Sheet **2** Of **4**

Y:\PROJECTS\LONGFORD-UNIVERSE-BASE-REVISED-10-12.dwg 11/8/2012

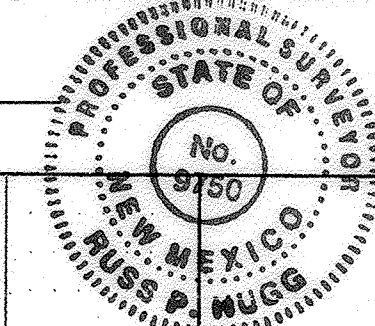




**SURVEYORS CERTIFICATION**

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  
N.M.P.S. No. 9750



**NOTE:**  
CONTRACTOR TO FIELD VERIFY INVERTS AT  
OF EXISTING STORM DRAIN PRIOR TO STARTING  
CONSTRUCTION OF STORM DRAIN.

**KEYED NOTES:**

- ① EXISTING 18" STORM DRAIN
- ② EXISTING STORM DRAIN MANHOLE
- ③ EXISTING TYPE A STORM DRAIN INLET
- ④ EXISTING 30" STORM DRAIN
- ⑤ 25' PUBLIC STORM DRAIN EASEMENT
- ⑥ APPROX LOCATION EXISTING SAS FORCE MAIN
- ⑦ EXISTING 12" WATER LINE
- ⑧ FUTURE CURB AND GUTTER
- ⑨ CONSTRUCTION CENTERLINE
- ⑩ EXISTING CURB AND GUTTER
- ⑪ FUTURE STORM DRAIN
- ⑫ EXISTING BARRICADE SIGNS

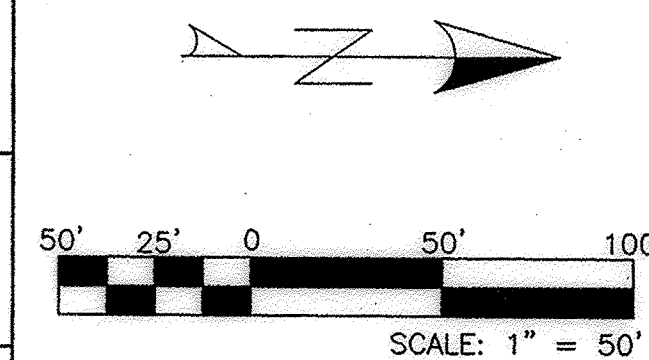
**NORTHING & EASTING POINT TABLE**

POINT #	NORTHING	EASTING
4	1523608.51	357582.96
5	1523618.58	357583.01

**CENTERLINE DATA**

ALIGNMENT	BEARING	DISTANCE
UNIVERSE BLVD.	N 00° 16' 10" E	3677.38'

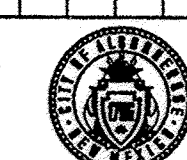
**RECORD DRAWINGS**



**Thompson Engineering Consultants, Inc.**  
P.O. BOX 65760  
ALBUQUERQUE, NM 87193  
PHONE: (505) 271-2199  
FAX: (505) 630-9245



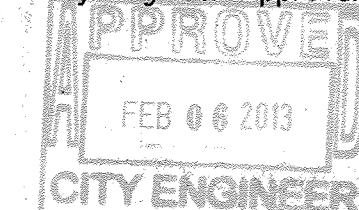
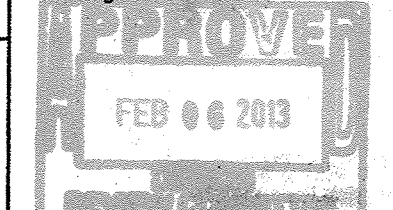
CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION



**UNIVERSE BLVD. STORM DRAIN  
UNIVERSE BLVD. STORM DRAIN STA. 30+50 TO STA. 38+00 PLAN AND PROFILE**

Design Review Committee

City Engineer Approval



City Project No.

Zone Map No.

Sheet

Of

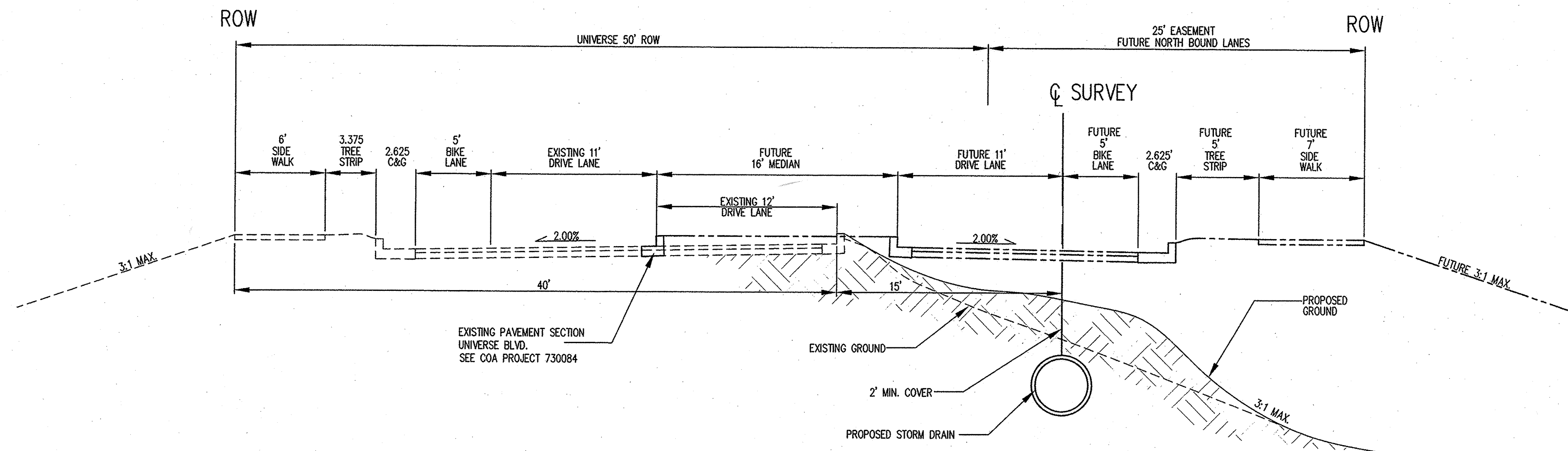
693382

C-9-Z

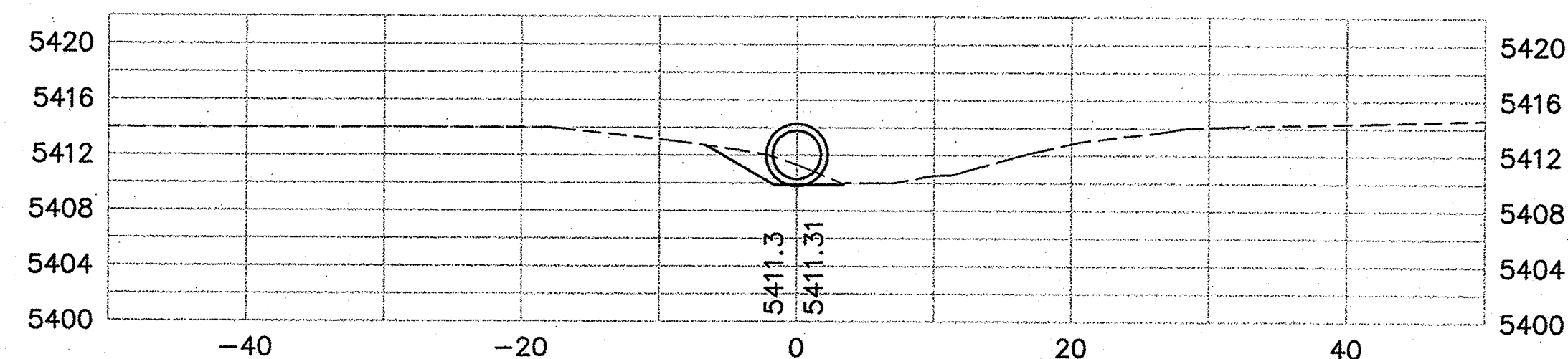
3

4






UNIVERSE BLVD. TYPICAL SECTION  
SCALE: 1"=5'




TYPICAL SECTION AT STATION 21+79.35  
SCALE: 1"=10'

NOTE:  
CONTRACTOR TO FIELD VERIFY INVERTS AT  
OF EXISTING STORM DRAIN PRIOR TO STARTING  
CONSTRUCTION OF STORM DRAIN.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK STARTED BY	ACS BRASS TABLET STAMPED "2-B10 1980"	DATE	NO.	BY		
INSPECTOR'S FIELD	DATE	Geographic Position (NAD 1927)					
FIELD	DATE	N.M. State Plane Coordinates (Central Zone)					
VERIFICATION BY	DATE	X= 357,543.73 Y= 1,527,973.48					
CORRECTED BY	DATE	Ground-to-Grid Factor = 0.99996354					
MICRO-FILM INFORMATION		GC= -0016'30"					
RECORDED BY	DATE	SLD 1929 ELEVATION = 5429.35					
NO.							

RECORD DRAWINGS

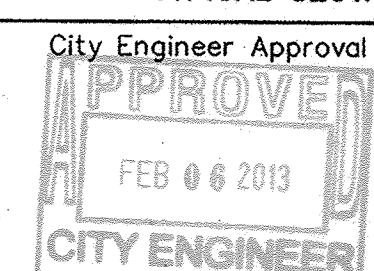
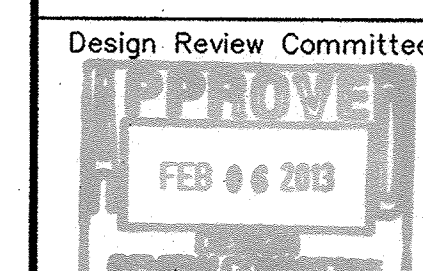
  
Thompson  
Engineering  
Consultants, Inc.  
tsc.com@yahoo.com  
P.O. BOX 65760 ALBUQUERQUE, NM 87193 PHONE: (505) 271-2199 FAX: (505) 850-9246



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION



UNIVERSE BLVD. STORM DRAIN  
TYPICAL SECTION



No.	Day	Yr.	No.	Day	Yr.

City Project No. 693382 Zone Map No. C-9-Z Sheet 4 Of 4