UNIT - 3B

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RECORD DRAWING	2-3 4-5, <i>5.1</i>
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS	4-0,0,0
I, <u>Diane Hoelzer</u> , NMPE <u>11967</u> , of the firm <u>Mark Goodwin & Associates</u> , PA , 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	6-7 8-9
constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met except as noted by ma an the cable	10
Certification is based on site inspections by me or personnel under my direction, and survey information provided by Russ Hugg NMPS number <u>9750</u> .	
have Haken 2-3-15	12
Diane Hoelzer NMPE 11967	13
	14
This set of drawings is accepted for RECORD purposes by on	15
20 <u>14</u> . on,	16
HOL .	17–18
	19-20
5	21
SURVEYORS CI	RTIFICATION
T Rues P	Hugg, New Mexico Professional Surveyor Number
	certify that the as-built information shown
hereon is the	e result of an actual field survey performed
	er my direct supervision and that the same is rect to the best of my knowledge and belief.
citte and co	rect to the best of my knowledge and beller.
	hard the second s
	***K** /
Russ P. Huge	
NMPS No. 97	
10.20	, 2014
Z 9759 0	

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CONSTRUCTION PLANS

FDR

JUAN TABO HILLS

ALBUQUERQUE, NEW MEXICO

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21	TRACT C AND TRACT $1-C-2$ TRAIL IMPROVEMENTS 2. NO W	
	OCTO	BER

NOTES FOR WORK IN AMAFCA R/W OR EASEMENT

- CA FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK THE AMAFCA R/W AT 884-2215.
- WORK WILL BE PERFORMED IN THE AMAFCA R/W BETWEEN MAY 15 AND BER 15 WITHOUT PERMISSION FROM AMAFCA.
- 3. ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN THE AMAFCA R/W. TESTING REPORTS SHALL BE PROVIDED TO AMAFCA FIELD ENGINEER.
- 4. AMAFCA FIELD ENGINEER WILL BE NOTIFIED 48 HOURS PRIOR TO FINAL INSPECTION OF ANY FACILITIES WITHIN THE AMAFCA R/W.
- 5. 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.
- 6. ANY EXISTING SURVEY CONTROL MONUMENTS THAT ARE MOVED OR DESTROYED AS A RESULT OF THE CONSTRUCTION SHALL BE REPLACED BY A REGISTERED SURVEYOR AT THE OWNER'S EXPENSE.
- 7. OWNER'S CONTRACTOR SHALL PROVIDE LIABILITY INSURANCE NAMING AMAFCA AS ADDITIONAL INSURED IN THE AMOUNT OF \$2,000,000.00. PROOF OF INSURANCE SHALL BE PROVIDED TO AMAFCA PRIOR TO CONSTRUCTION.

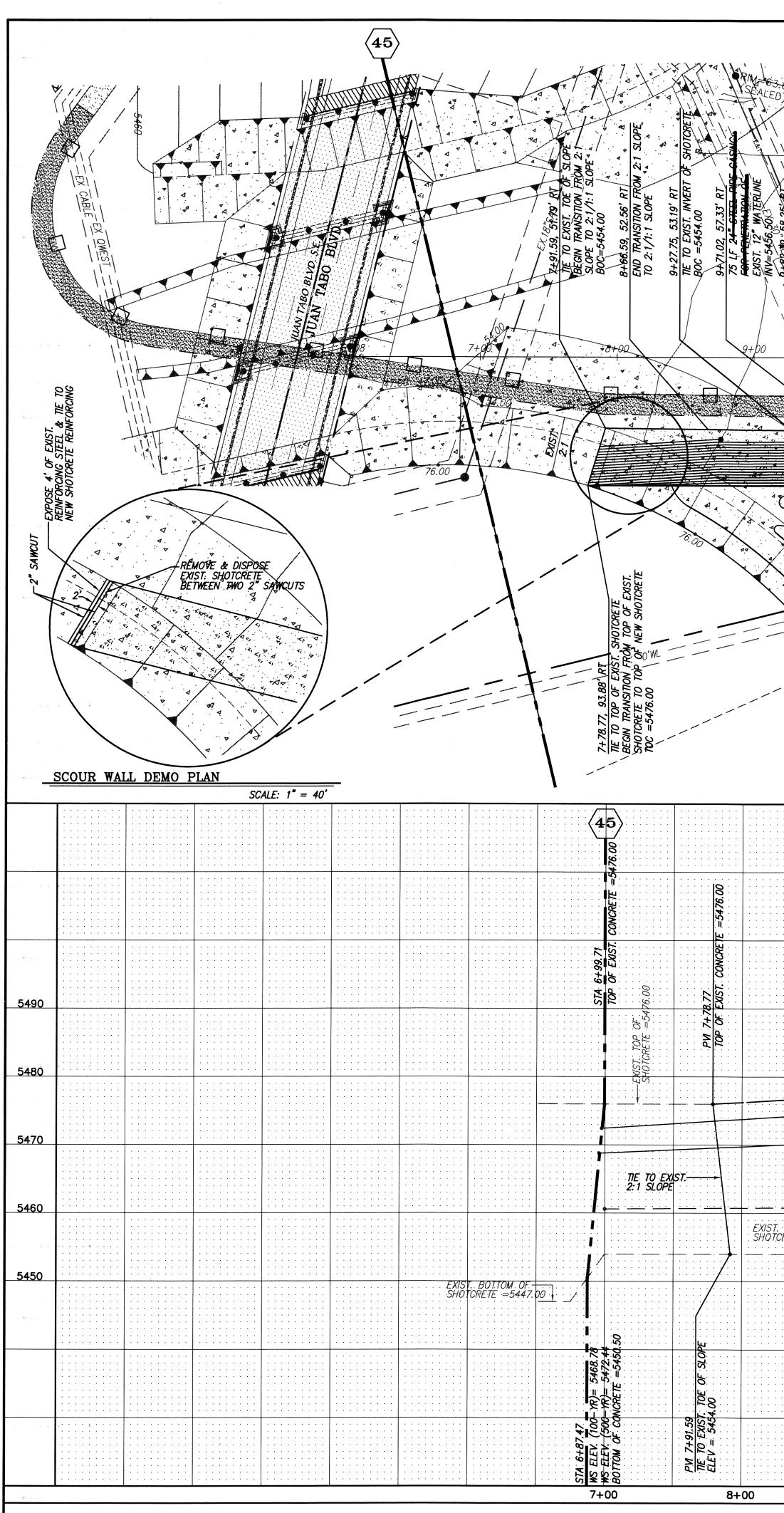
APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT-OF-WAY/EASEMENT.

DRB	PROJECT NO.
	1007140

RECORD DRAWING

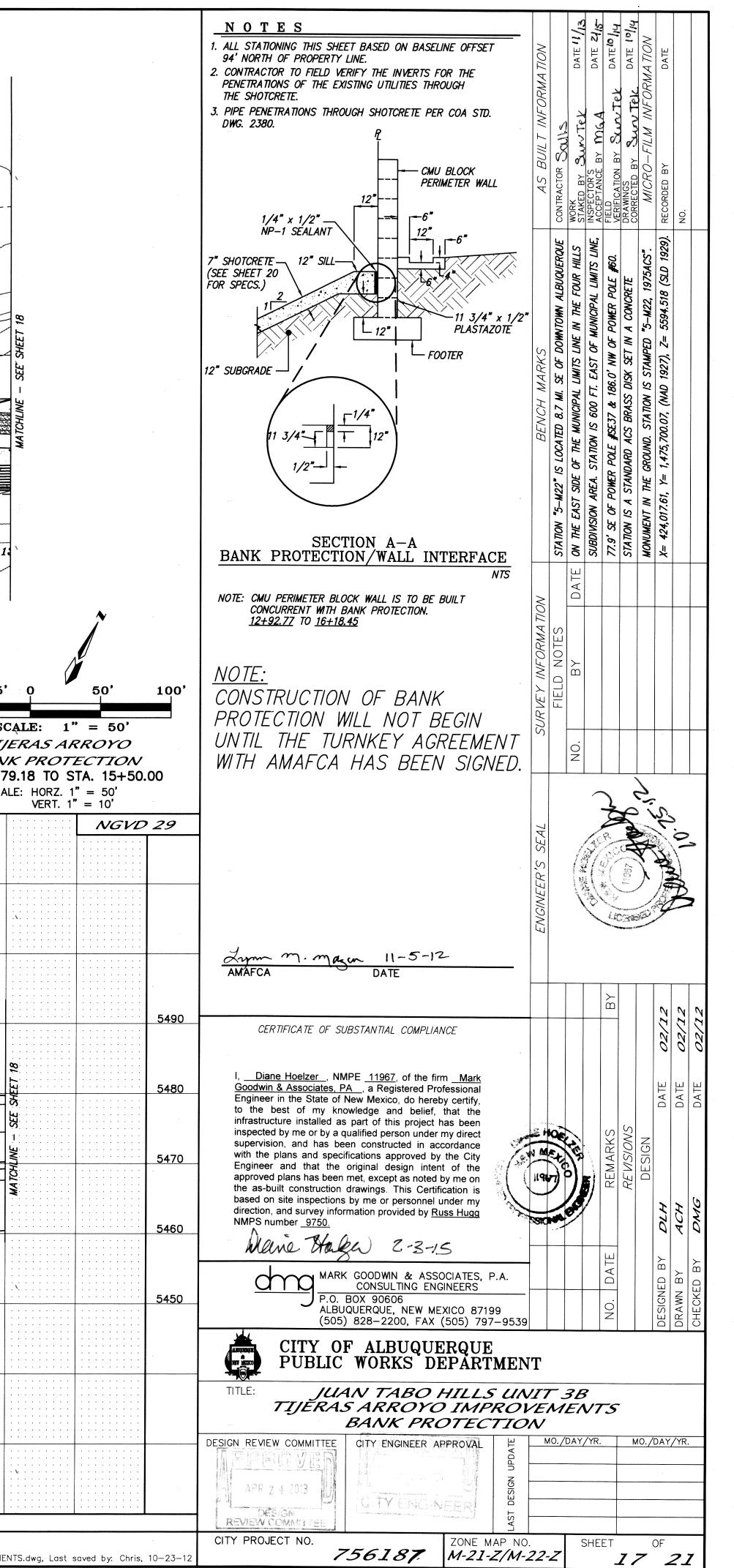
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				OTH	IERWI	SE STATED OR PROVIDED	FOR HEREO	PERFORMED UNDER CONTRAC N, BE CONSTRUCTED IN ACC	CORDANCE	WITH THE
				CIT	Y OF	ALBUQUERQUE STANDARD AS REVISED THROUGH UPD	SPECIFICAT	TONS FOR PUBLIC WORKS C	ONSTRUCT	ON, 1986
				3. TWC ONF) WOF	RKING DAYS PRIOR TO ANY ⊥ SYSTEM (260–1990) FO	EXCAVATION	N, THE CONTRACTOR MUST (N OF EXISTING UTILITIES.	CONTACT N	IEW MEXICO
				4. PRI	OR TO	O CONSTRUCTION, THE CO	NTRACTOR	SHALL EXCAVATE AND VERIF	Y THE HO	RIZONTAL
				CON	ITRA(CTOR SHALL NOTIFY THE E	NGINEER IM	ONS. SHOULD A CONFLICT IMEDIATELY SO THAT THE CO	DNFLICT C	AN BE
				5. SEV	'EN (D with a minimum amoun 7) working days prior ⁻	to beginnin	NG OF CONSTRUCTION, THE	CONTRACT	OR SHALL
				SUB	BMIT (2)	TO CONSTRUCTION COORDI WORKING DAYS PRIOR TO	NATION DIV THE STAR	ISION A DETAILED CONSTRUCT T OF CONSTRUCTION, THE CONSTRUCTION, TH	CTION SCHI	edule. R Shall
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				AN	INTER	RSECTION. REFER TO SEC ATIONS.	tion 19 of	THE GENERAL CONDITIONS C	OF THE ST	ANDARD
								EQUIRES TWENTY-FOUR HOUR		JCTION.
				REF	LECT		BY CONTR	SHALL BE REPLACED WITH RACTOR TO THE SAME LOCAT		as existing,
				8. CON	ITRAC	CTOR SHALL NOTIFY THE E	NGINEER NO	DT LESS THAN SEVEN (7) D	ays prior	≀то
				STA INSU	rtin(Jre	G WORK IN ORDER THAT T THE PRESERVATION OF SUI	he city su Rvey Monu	RVEYOR MAY TAKE NECESS/ MENTS. CONTRACTOR SHAL	ARY MEASI	URES TO STURB
				PER NOT	MANE 1FY 1	ENT SURVEY MONUMENTS I THE CITY SURVEYOR AND I	WITHOUT TH BEAR THE E	E CONSENT OF THE CITY SU EXPENSE OF REPLACING ANY	JRVEYOR A	AND SHALL AY BE
				Dist Whe	iurbe En a	ED WITHOUT PERMISSION. CHANGE IS MADE IN THE	REPLACEME FINISHED E	NT SHALL BE DONE ONLY BY LEVATIONS OF THE PAVEMEN	Y THE CITY NT OF ANY	Y SURVEYOR. Y ROADWAY
				EXP	ENSE	, ADJUST THE MONUMENT	COVER TO	IS LOCATED, CONTRACTOR S THE NEW GRADE UNLESS O	THERWISE	SPECIFIED.
				REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. 9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY						
			THE CON	CIT ITRAC	OF ALBUQUERQUE FOR T CTOR SHALL NOT COVER U	HE PREPAR	ATION OF "AS CONSTRUCTED S AND ACCESSORIES UNTIL	D" DRAWN	GS.	
				REC	ORDE	D.		EE WORK SITE. CONTRACTO		
				REM	IOVE	ANY GRAFFITI FROM ALL I	EQUIPMENT,	WHETHER PERMANENT OR 1	EMPORAR	Y.
				ADV	/ANCE	E OF PERFORMING WORK T	HAT WILL A	HE WATER AUTHORITY SEVEN	DR`SANITA	RY
			njuć e	MAS	STER	PLAN FACILITIES MUST BE	COORDINA	HUTOFF OF FACILITIES DESIC TED WITH THE WATER AUTHO	DRITY 14 D	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.ORG/CONTENT/VIEW/463/729/							
				12. RCP	SHA	LL BE INSTALLED SO THAT	THE JOINT	GAP AT THE HOME POSITION	N SHALL C	ONFORM 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 FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS							
						PROVAL PRIOR TO PLACEM D BY THE ENGINEER AFTER			be groute	ad UNLESS
		د		13. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT WITH OSHA 29 CFR 1926.650 SUBPART P.						
				14. ELECTRONIC MARKER SPHERES (EMS) OR DEVICES WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS						
				CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #8. 15. PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING						
				15. PRI (DE	VATE VELO	STREETS REQUIRE STREET PER'S RESPONSIBILITY).	NAME SIG	NS, STOP SIGNS, AND ANY N	NECESSAR	(striping
				16. CON PAV	ITRAC EMEN	CTOR SHALL ASSUME RESP IT MARKINGS, CURB & GUT	ONSIBILITY	FOR ANY DAMAGE TO EXIST CAP RAMPS AND SIDEWALK [ING PAVEN	IENT, NSTRUCTION
AUTIC		nng utilities m	AY NOT RE	APA	rt f	ROM THOSE SECTIONS INDI	CATED FOR	REMOVAL ON THE PLANS A ARDS, AT HIS OWN EXPENSE	ND SHALL	REPAIR OR
HOWN.	ALL EXISTING	SERVICE CONNI	ECTIONS ARE	17. CON	ITRAC	TOR SHALL BE RESPONSIE	BLE FOR PR	OVIDING AND MAINTAINING A PTED BY THE CITY OF ALBU	LL CONST	RUCTION
HOWN	ARE APPROXIM	MATE LOCATION	ONLY.	5101				LE UT THE OTT OF ALDU		
ONTRA	CTOR TO CONT	LE RESPONSIBILI	UTILITY							
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dr		GOODWIN & AS								
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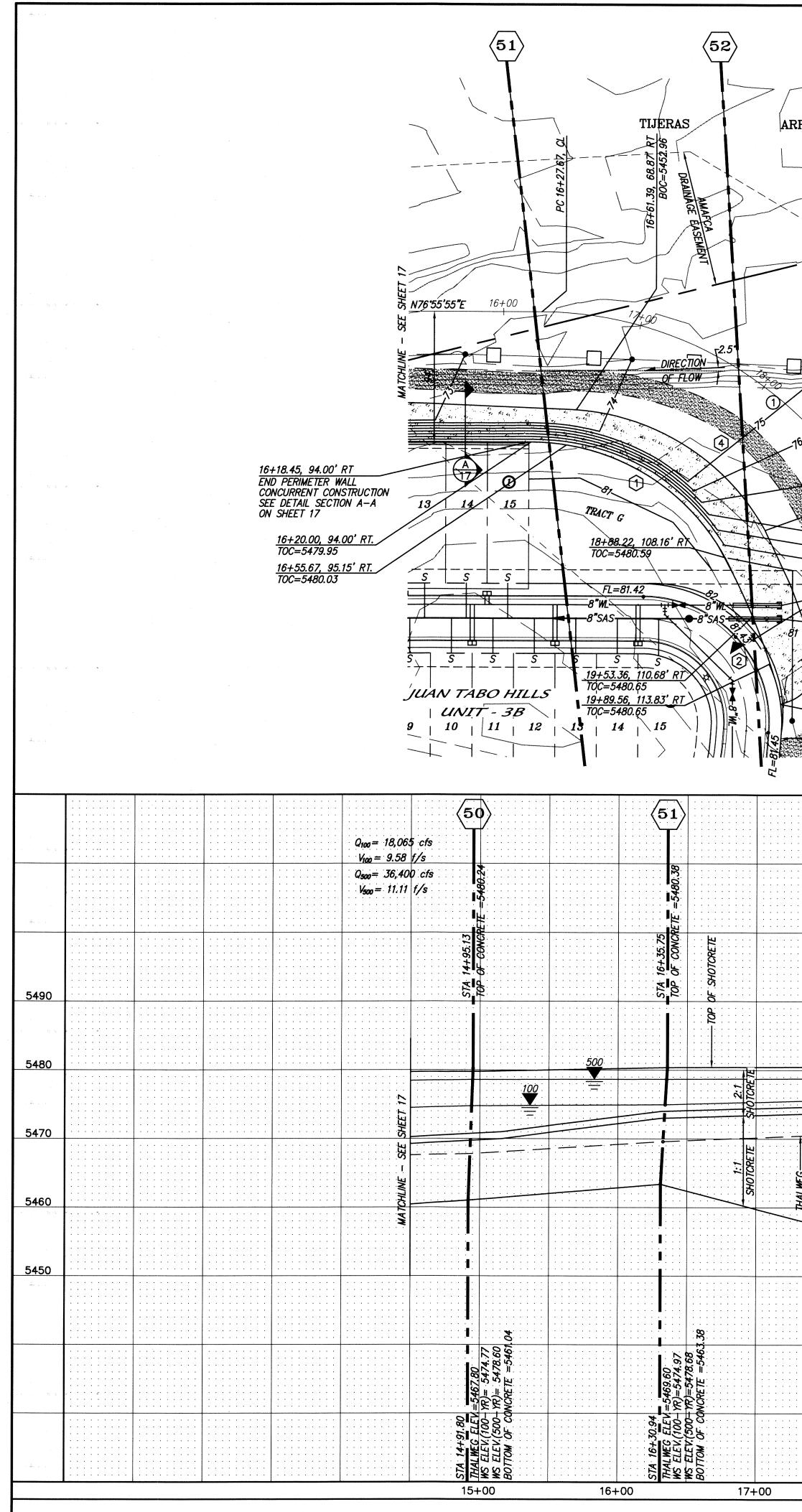


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5478 5477 - 5400 5477 - 5400 - 5400 5477 - 5400 - 5400 - 5477 - 5400 - 5	1:1 SLC	ETE 12" BELOW GRADE DPE. SHOTCRETE ABOVE 2:1 SLOPE. SEE SECTIO	AND LOWER TO 12" BELOW GRAL	DE BANK
$Q_{100} = 18,065 \text{ cfs}$ $V_{100} = 12.40 \text{ f/s}$ $Q_{500} = 36,400 \text{ cfs}$ $V_{500} = 11.62 \text{ f/s}$	$\frac{4}{10P} 0F CONCRETE = 5479.37$		$Q_{160} = 18,065 cfs$ $V_{100} = 7.04 f/s$ $Q_{500} = 36,400 cfs$ $V_{500} = 9.43 f/s$ $H = 322000 cfs$ $V_{500} = 9.43 f/s$ $V_{500} = 10000 cfs$ $V_{500} = 9.43 f/s$	
PM $9+27.75$ PM $9+71.02$ PM $9+71.02$ PM $9+71.02$ PM $9+71.02$ PM $9+71.02$ PM $9+71.02$ PM $9+82.39$ <th>SEE NOTE 2 9+98.50. 75 LF 10-5111 10-5111 10-5111 9+98.50. 75 LF 10-511 10-5111 10-5111 10-5111 100-105.00 10+05.00 10-105.00 10-105.00 PU 10+05.00 10+05.00 10-105.00 10-105.00 BOTTOM OF SHOTCRETE 5454.00 10-105.169 10-105.168 BASELINE 5472.18 10-105.169 10-107.18 BASELINE 5477.18 10-107.18 10-107.18 BOTTOM OF CONCRETE 5477.18 10-107.18 10-107.18 BOTTOM OF CONCRETE 5477.18 10-107.18 10-107.18</th> <th>75 LF A^m Exist 6^m CASLINE NWE60.001 NWE60.001 NWE60.001 SEE NOTE 2 SEE NOTE 2 BOTTOM OF SHOTORETE BOTTOM OF SHOTORETE</th> <th>112" 112"</th> <th></th>	SEE NOTE 2 9+98.50. 75 LF 10-5111 10-5111 10-5111 9+98.50. 75 LF 10-511 10-5111 10-5111 10-5111 100-105.00 10+05.00 10-105.00 10-105.00 PU 10+05.00 10+05.00 10-105.00 10-105.00 BOTTOM OF SHOTCRETE 5454.00 10-105.169 10-105.168 BASELINE 5472.18 10-105.169 10-107.18 BASELINE 5477.18 10-107.18 10-107.18 BOTTOM OF CONCRETE 5477.18 10-107.18 10-107.18 BOTTOM OF CONCRETE 5477.18 10-107.18 10-107.18	75 LF A^m Exist 6 ^m CASLINE NWE60.001 NWE60.001 NWE60.001 SEE NOTE 2 SEE NOTE 2 BOTTOM OF SHOTORETE BOTTOM OF SHOTORETE	112" 112"	
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RECORD DRAWING



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63 JTH 3B\PLANS\UTILITIES\A11063-JTH3B-ARROYO IMPROVEMENTS.dwg, 10/24/2012 2:49:32 PM, KIP 7100 Rc

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RECORD DRAWING

	NOTES 1. ALL STATIONING THIS SHEET BASED ON BASELINE OFFSET 94' NORTH OF PROPERTY LINE. 2. PIPE PENETRATIONS THROUGH SHOTCRETE PER COA STD. DWG. 2380.
D LOWER TO BE " BELOW GRADE S ON SHEET 19	CURVE DATA - DESCRIBES CENTERLINE OF STATIONING $\sqrt{2}$ 2
5' 0 50' 100' SCALE: 1" = 50' JERAS ARROYO	(A) A=57715'04" L=169.34 R=169.48 Ton=92.50 NOTE: CONSTRUCTION OF BANK PROTECTION WILL NOT BEGIN UNTIL THE TURNKEY AGREEMENT WITH AMAFCA HAS BEEN SIGNED. NOTMENI WITH AMAFCA HAS BEEN SIGNED.
+50.00 TO STA. 20+49.56 CALE: HORZ. 1" = 50' VERT. 1" = 10' NGVD 29	THE STATE
5490 5490 5480	AMAFCA DATE CERTIFICATE OF SUBSTANTIAL COMPLIANCE Image: Certificate of Substantial Compliance I,
5470 5470 5460	supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer 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 <u>Russ Hugg</u> NMPS number <u>9750</u> .
5450	MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS Image: Consulting engineers P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539 Image: Consult of the ending endi
ENTS.dwg, Last saved by: Chris, 10-23-12	IJERAS ARCOTO IMPROVEMENTS BANK PROTECTION DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL MO./DAY/YR. MO./DAY/YR. CITY PROJECT NO. EXAMPTED ZONE MAP NO. SHEET OF 756187 ZONE MAP NO. SHEET OF 18<21

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