

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL AUTHORITY

CONSTRUCTION PLANS
FOR
CALABACILLAS ARROYO IMPROVEMENTS
ANASAZI RIDGE SUBDIVISION
SPURS & BANK PROTECTION
ALBUQUERQUE, NEW MEXICO

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3 - 5	CHANNEL PLAN & PROFILES
6 - 7	SHOT-CRETE SPUR DETAILS
8 - 9	PENETRATION DETAILS & SHOT-CRETE SPECIFICATIONS

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

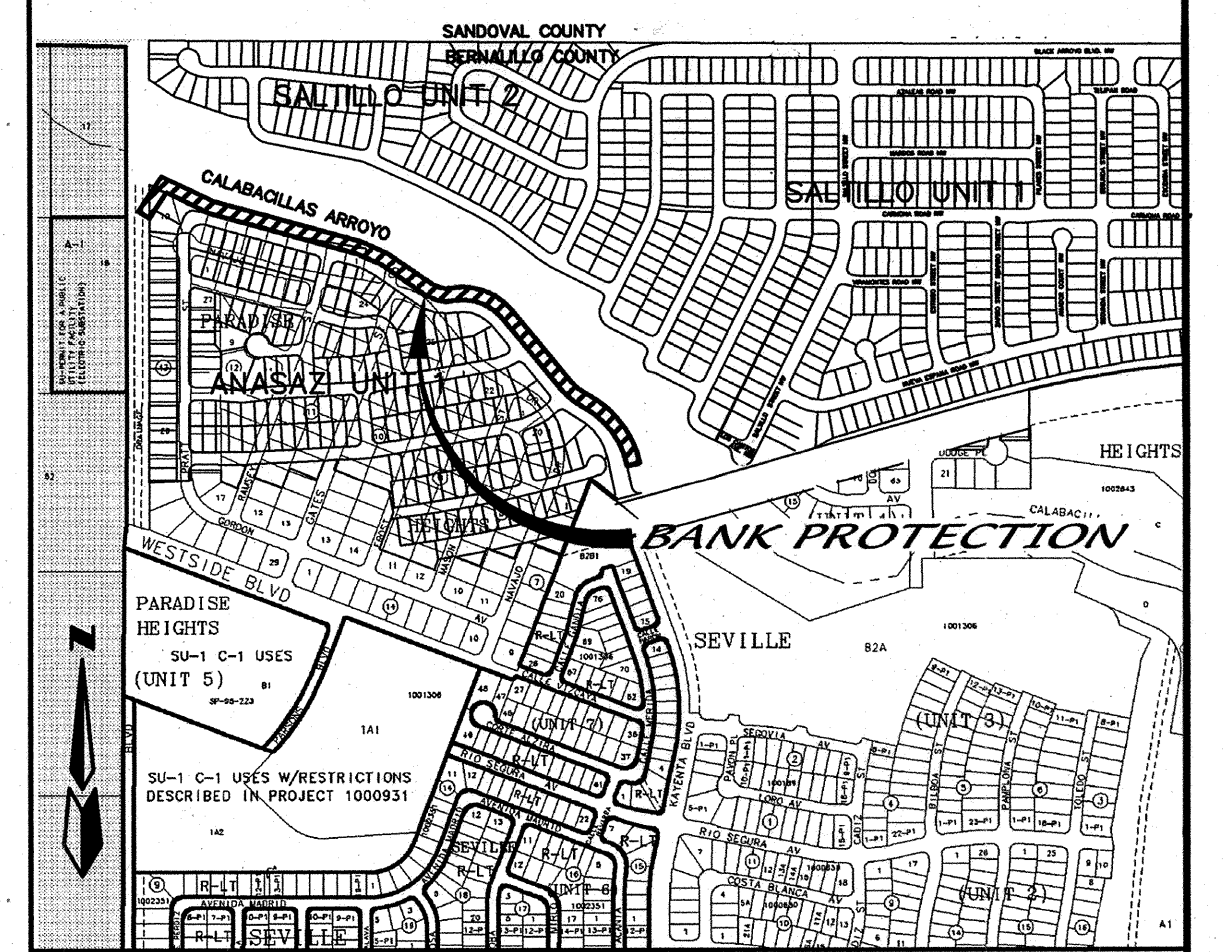
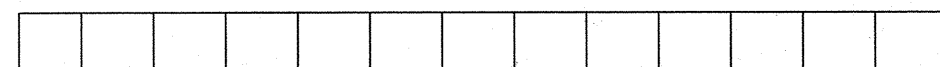
I, Mark Goodwin, NMPE #8948, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications 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 Russ P. Hugg, NMPS number 9750.

Mark Goodwin 9/27/10
Mark Goodwin NMPE 8948

I, Mark Goodwin, certify that this electronic version is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on 11/29, 2007.

{One cover sheet only put:}

This set of drawings is accepted for RECORD purposes by _____ on _____, 2010.



VICINITY MAP ZONE ATLAS A-10-Z
SCALE: NONE

AMAFCA NOTES

1. AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48-HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA RIGHT-OF-WAY.
2. NO WORK WILL BE PERFORMED WITHIN THE AMAFCA RIGHT-OF-WAY BETWEEN MAY 15 AND OCTOBER 15 WITHOUT WRITTEN PERMISSION FROM AMAFCA.
3. ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN AMAFCA RIGHT-OF-WAY, EXCEPT TOP 1" AT 90% TESTING RESULTS SHALL BE PROVIDED TO AMAFCA FIELD ENGINEER. (MOISTURE CONTROL: -2% TO 5% OF OPT.)
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 SHALL BE REVEGETATED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 1012 NATIVE GRASS SEEDING, AS CURRENTLY UPDATED.
6. 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.
7. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF 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 OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
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 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 TO COVER 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 UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS. ANY SURVEY MONUMENTS DISTURBED WILL BE REPLACED BY A LICENSED SURVEYOR AT CONTRACTORS EXPENSE.
11. ALL WORK DETAILED IN THESE PLANS SHALL BE CONSTRUCTION IN ACCORDANCE WITH MMSHD SPECIFICATIONS, 1994.
12. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND ANY OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY BE IT PRIVATE OR CITY OWNED. 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.

APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT-OF-WAY:

BY John P Kelly 3-19-08
JOHN P. KELLY, PE
EXECUTIVE ENGINEER
DATE

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

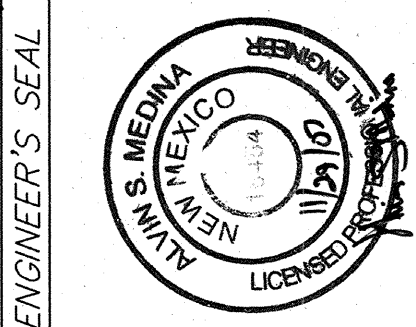
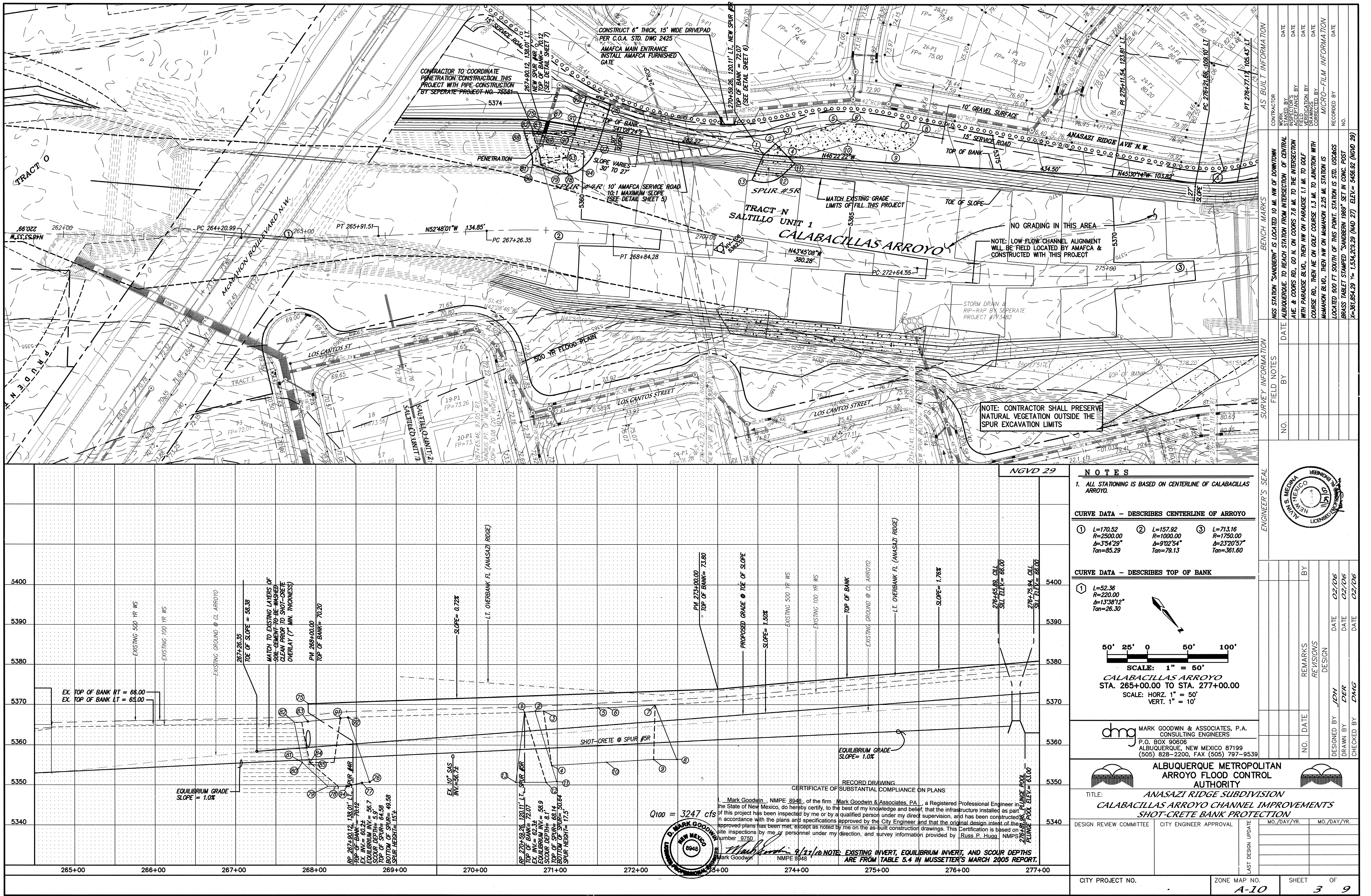
REFERENCES:

Musseterr Engineering, Inc. March 2005 Report
Hydraulic and Channel Stability Analysis
Calabacillas Arroyo Upstream from Swinburne Dam

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****
	DRC CHAIRMAN			APPROVED FOR CONSTRUCTION
	TRANSPORTATION			
	WATER/WASTEWATER			
	HYDROLOGY			
	CIP			
	CONSTR. MGMT.			
	CONSTR. COORD.			
	CITY PROJECT NO.			SHEET OF <i>1 9</i>



NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF CALABACILLAS ARROYO.

CURVE DATA - DESCRIBES CENTERLINE OF ARROYO

1	2	3
L=170.52 R=2500.00 Δ=3°54'29" Tan=85.29	L=157.92 R=1000.00 Δ=9°02'54" Tan=79.13	L=713.16 R=1750.00 Δ=23°20'57" Tan=361.60

CURVE DATA - DESCRIBES TOP OF BANK

1
L=52.36 R=220.00 Δ=13°38'12" Tan=26.30

SCALE: 1" = 50'
SCALE: HORZ. 1" = 50'
SCALE: VERT. 1" = 10'

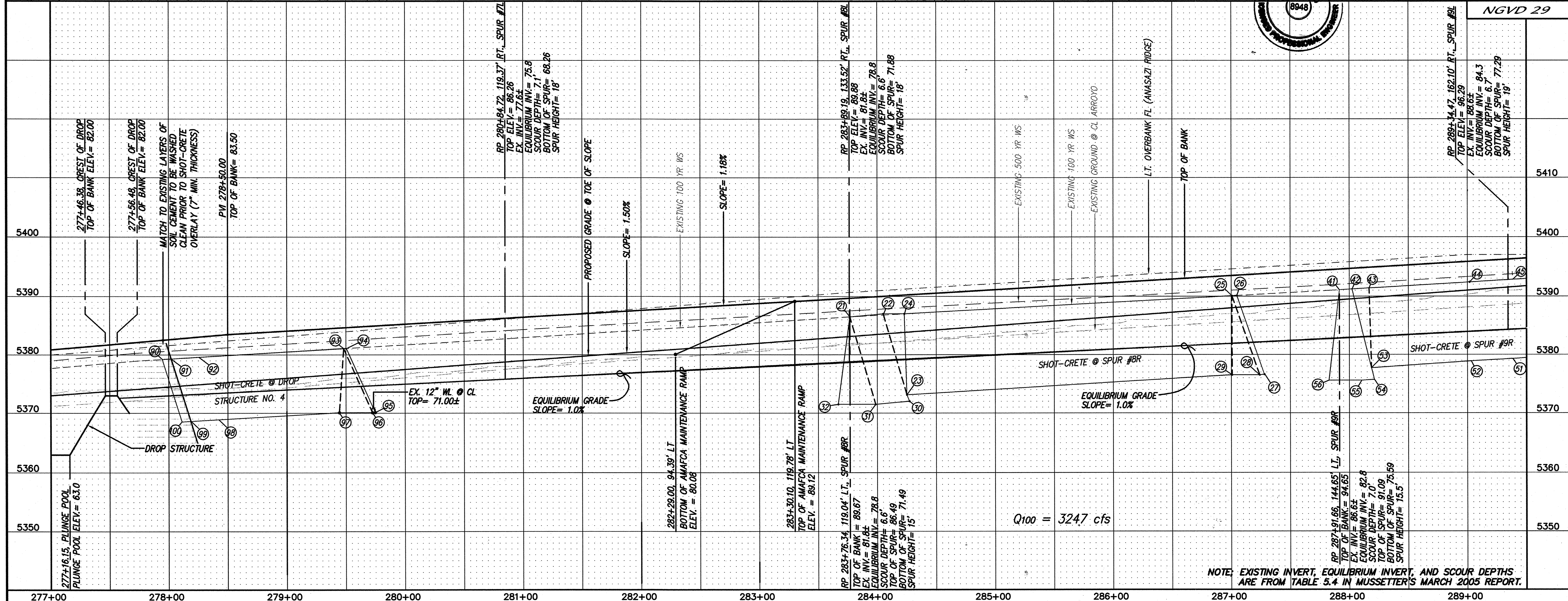
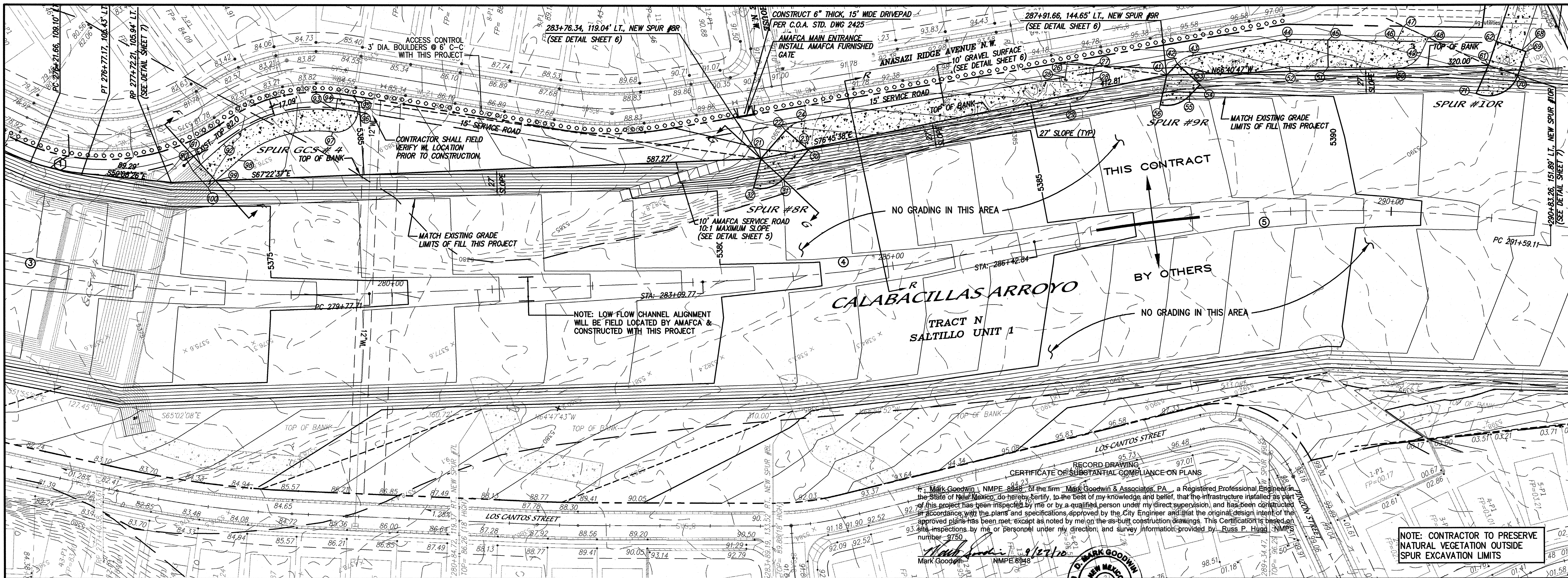
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ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: **ANASAZI RIDGE SUBDIVISION CALABACILLAS ARROYO CHANNEL IMPROVEMENTS SHOT-CRETE BANK PROTECTION**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. _____ ZONE MAP NO. **A-10** SHEET **3** OF **9**



NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF CALABACILLAS ARROYO.

CURVE DATA - DESCRIBES CENTERLINE OF ARROYO

Station	L	R	Δ	Tan
③	L=713.16 R=1750.00 Δ=23°20'57"			Tan=361.60
④	L=333.07 R=2000.00 Δ=9°32'30"			Tan=166.92
⑤	L=516.28 R=1500.00 Δ=19°43'13"			Tan=260.72

CURVE DATA - DESCRIBES TOP OF BANK

Station	L	R	Δ	Tan
①	L=52.36 R=220.00 Δ=13°38'12"			Tan=26.30

SCALE: 1" = 50'

CALABACILLAS ARROYO
STA. 277+00.00 TO STA. 289+50.00
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

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ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

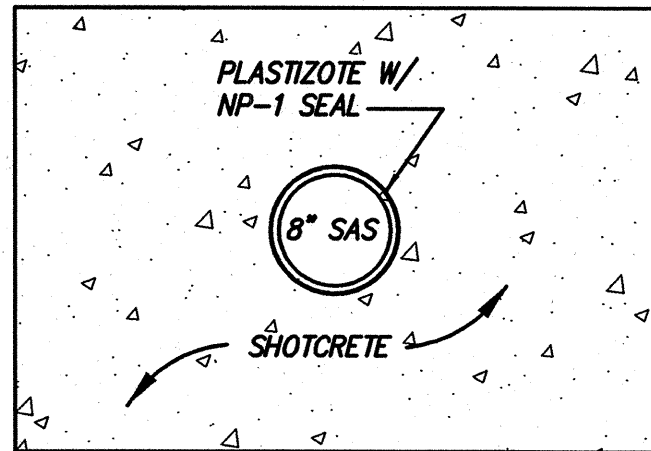
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DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

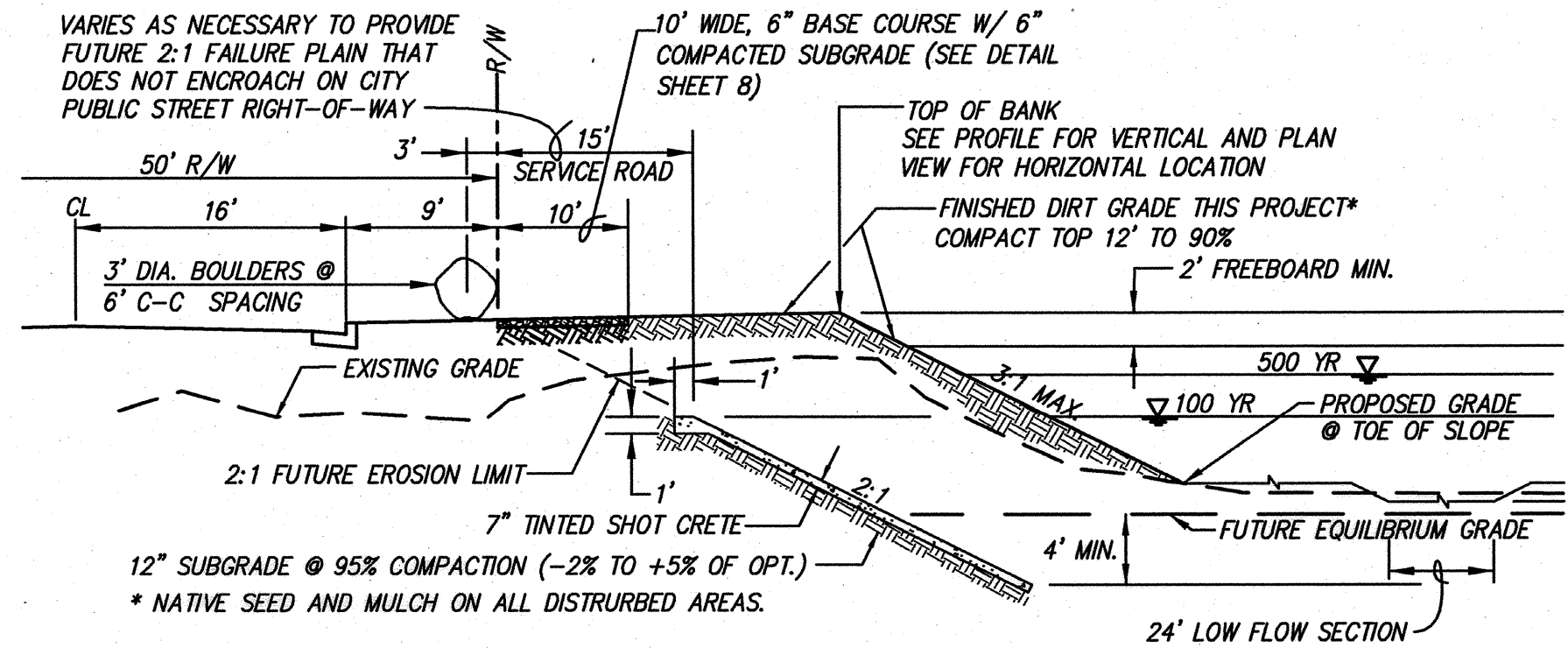
LAST DESIGN UPDATE

CITY PROJECT NO. ZONE MAP NO. SHEET OF

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORK	DATE	BY	CONTRACTOR	WORK	DATE	BY	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.
INSPECTOR'S	ACCEPTANCE	DATE	BY	INSPECTOR'S	ACCEPTANCE	DATE	BY	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.
DRAWINGS	DATE	BY	NO.	DRAWINGS	DATE	BY	NO.	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.
MICRO-FILM	DATE	BY	NO.	MICRO-FILM	DATE	BY	NO.	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.
RECORDED	DATE	BY	NO.	RECORDED	DATE	BY	NO.	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.



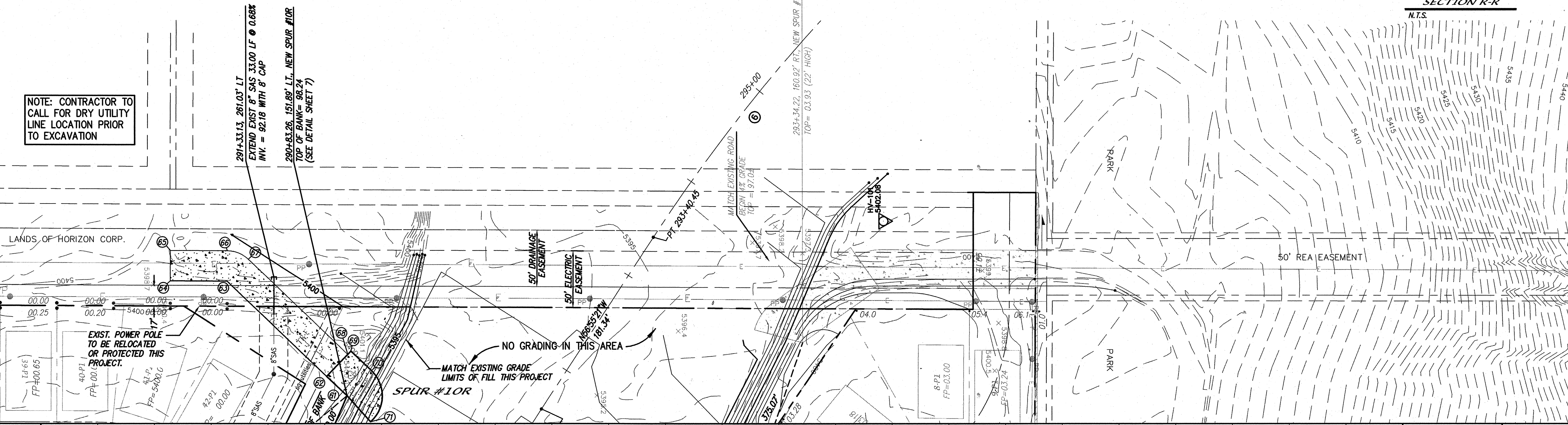
SAS PENETRATION DETAIL
N.T.S.



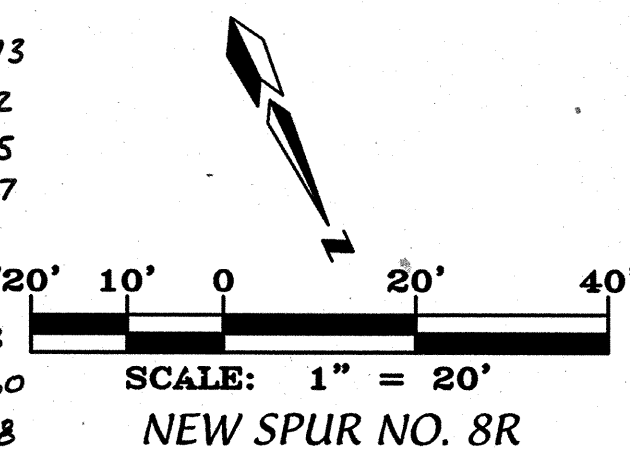
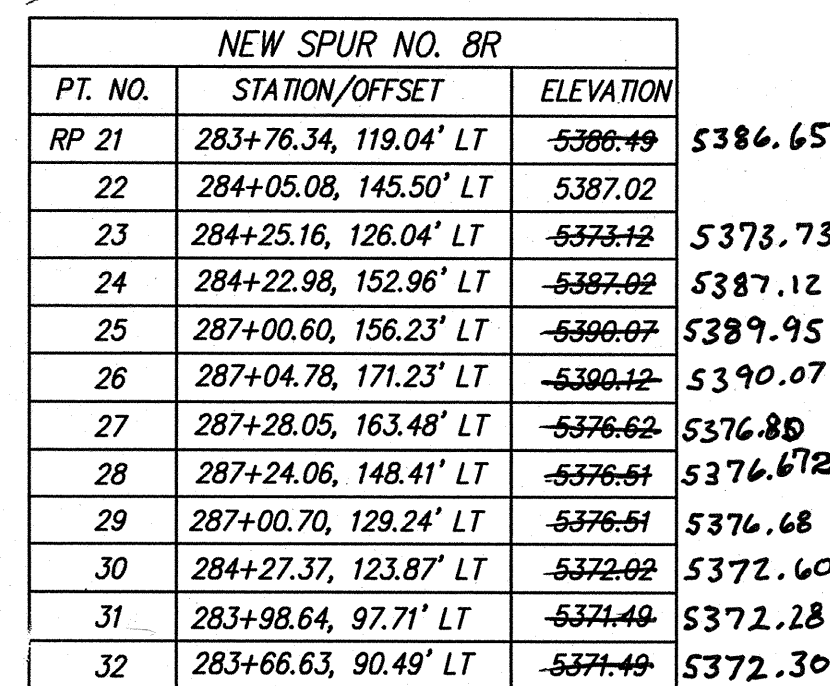
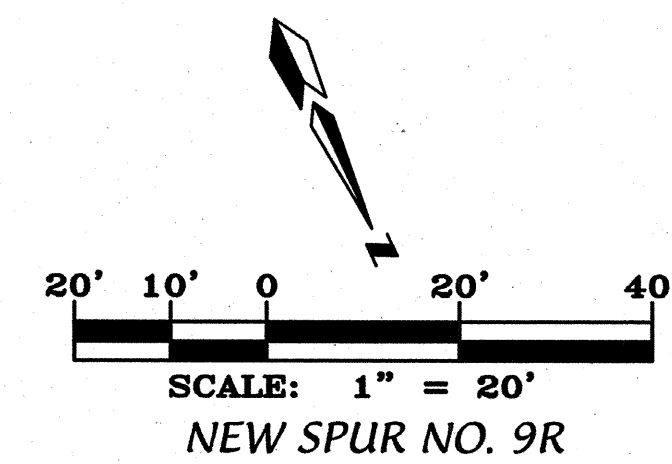
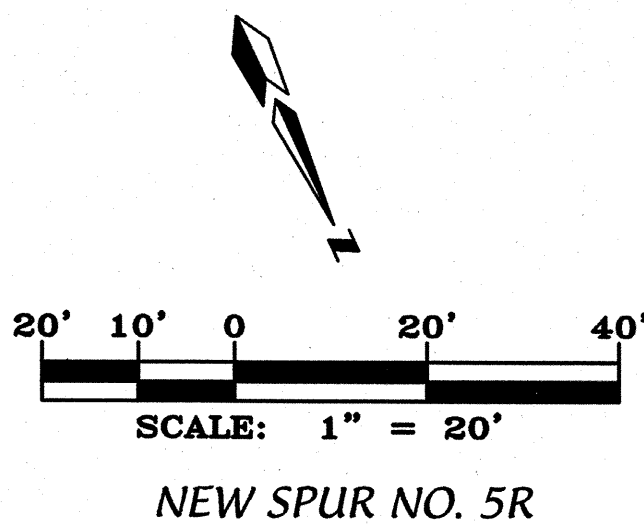
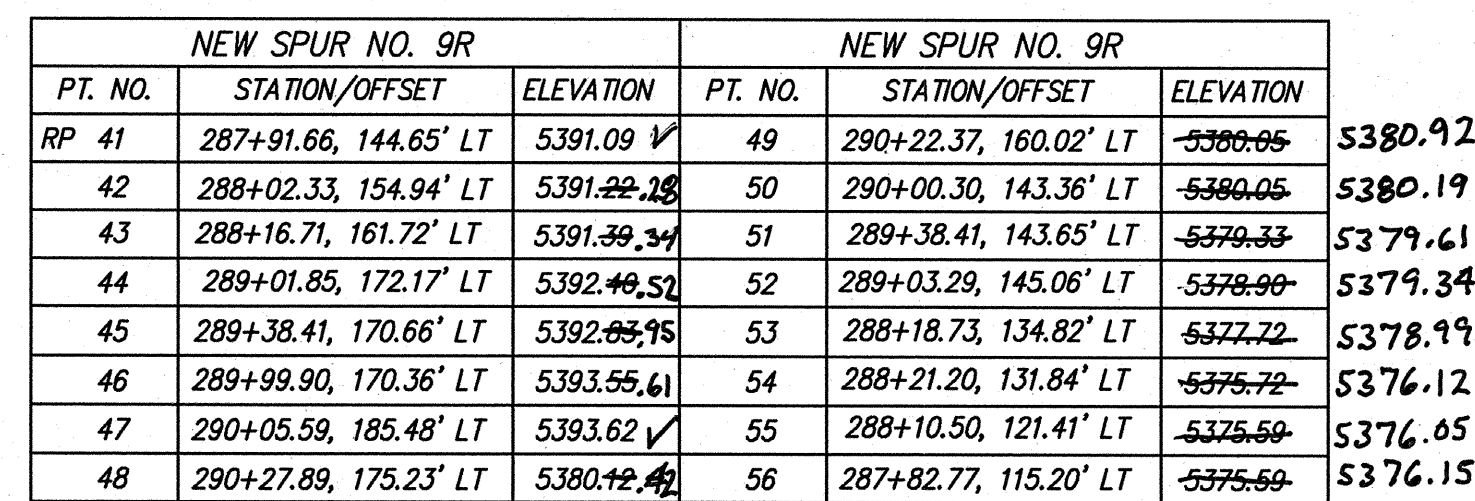
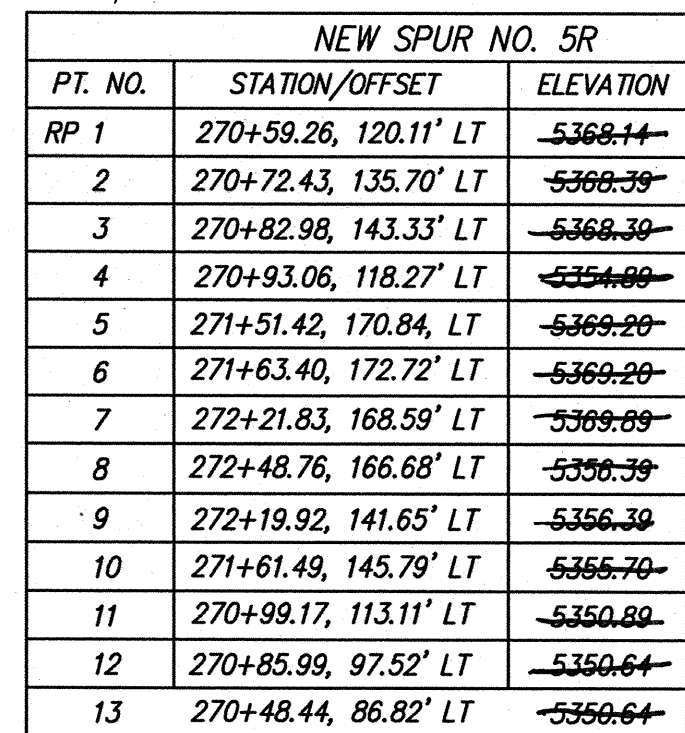
SECTION R-R
N.T.S.

NOTE: CONTRACTOR TO
CALL FOR DRY UTILITY
LINE LOCATION PRIOR
TO EXCAVATION

NOTE: CONTRACTOR SHALL
PRESERVE NATURAL VEGETATION
OUTSIDE SPUR EXCAVATION LIMITS



		LOT 1-P1 BLK 1		LOT 2-P1 BLK 1		LOT 3-P1 BLK 1		LOT 4-P1 BLK 1		LOT 5-P1 BLK 1		LOT 6-P1 BLK 1		LOT 7-P1 BLK 1		LOT 8-P1 BLK 1		LOT 9-P1 BLK 1		LOT 10-P1 BLK 1		LOT 11-P1 BLK 1		LOT 12-P1 BLK 1		LOT 13-P1 BLK 1		LOT 14-P1 BLK 1		LOT 15-P1 BLK 1		LOT 16-P1 BLK 1		LOT 17-P1 BLK 1		LOT 18-P1 BLK 1		LOT 19-P1 BLK 1		LOT 20-P1 BLK 1		LOT 21-P1 BLK 1		LOT 22-P1 BLK 1		LOT 23-P1 BLK 1		LOT 24-P1 BLK 1		LOT 25-P1 BLK 1		LOT 26-P1 BLK 1		LOT 27-P1 BLK 1		LOT 28-P1 BLK 1		LOT 29-P1 BLK 1		LOT 30-P1 BLK 1		LOT 31-P1 BLK 1		LOT 32-P1 BLK 1		LOT 33-P1 BLK 1		LOT 34-P1 BLK 1		LOT 35-P1 BLK 1		LOT 36-P1 BLK 1		LOT 37-P1 BLK 1		LOT 38-P1 BLK 1		LOT 39-P1 BLK 1		LOT 40-P1 BLK 1		LOT 41-P1 BLK 1		LOT 42-P1 BLK 1		LOT 43-P1 BLK 1		LOT 44-P1 BLK 1		LOT 45-P1 BLK 1		LOT 46-P1 BLK 1		LOT 47-P1 BLK 1		LOT 48-P1 BLK 1		LOT 49-P1 BLK 1		LOT 50-P1 BLK 1		LOT 51-P1 BLK 1		LOT 52-P1 BLK 1		LOT 53-P1 BLK 1		LOT 54-P1 BLK 1		LOT 55-P1 BLK 1		LOT 56-P1 BLK 1		LOT 57-P1 BLK 1		LOT 58-P1 BLK 1		LOT 59-P1 BLK 1		LOT 60-P1 BLK 1		LOT 61-P1 BLK 1		LOT 62-P1 BLK 1		LOT 63-P1 BLK 1		LOT 64-P1 BLK 1		LOT 65-P1 BLK 1		LOT 66-P1 BLK 1		LOT 67-P1 BLK 1		LOT 68-P1 BLK 1		LOT 69-P1 BLK 1		LOT 70-P1 BLK 1		LOT 71-P1 BLK 1		LOT 72-P1 BLK 1		LOT 73-P1 BLK 1		LOT 74-P1 BLK 1		LOT 75-P1 BLK 1		LOT 76-P1 BLK 1		LOT 77-P1 BLK 1		LOT 78-P1 BLK 1		LOT 79-P1 BLK 1		LOT 80-P1 BLK 1		LOT 81-P1 BLK 1		LOT 82-P1 BLK 1		LOT 83-P1 BLK 1		LOT 84-P1 BLK 1		LOT 85-P1 BLK 1		LOT 86-P1 BLK 1		LOT 87-P1 BLK 1		LOT 88-P1 BLK 1		LOT 89-P1 BLK 1		LOT 90-P1 BLK 1		LOT 91-P1 BLK 1		LOT 92-P1 BLK 1		LOT 93-P1 BLK 1		LOT 94-P1 BLK 1		LOT 95-P1 BLK 1		LOT 96-P1 BLK 1		LOT 97-P1 BLK 1		LOT 98-P1 BLK 1		LOT 99-P1 BLK 1		LOT 100-P1 BLK 1		LOT 101-P1 BLK 1		LOT 102-P1 BLK 1		LOT 103-P1 BLK 1		LOT 104-P1 BLK 1		LOT 105-P1 BLK 1		LOT 106-P1 BLK 1		LOT 107-P1 BLK 1		LOT 108-P1 BLK 1		LOT 109-P1 BLK 1		LOT 110-P1 BLK 1		LOT 111-P1 BLK 1		LOT 112-P1 BLK 1		LOT 113-P1 BLK 1		LOT 114-P1 BLK 1		LOT 115-P1 BLK 1		LOT 116-P1 BLK 1		LOT 117-P1 BLK 1		LOT 118-P1 BLK 1		LOT 119-P1 BLK 1		LOT 120-P1 BLK 1		LOT 121-P1 BLK 1		LOT 122-P1 BLK 1		LOT 123-P1 BLK 1		LOT 124-P1 BLK 1		LOT 125-P1 BLK 1		LOT 126-P1 BLK 1		LOT 127-P1 BLK 1		LOT 128-P1 BLK 1		LOT 129-P1 BLK 1		LOT 130-P1 BLK 1		LOT 131-P1 BLK 1		LOT 132-P1 BLK 1		LOT 133-P1 BLK 1		LOT 134-P1 BLK 1		LOT 135-P1 BLK 1		LOT 136-P1 BLK 1		LOT 137-P1 BLK 1		LOT 138-P1 BLK 1		LOT 139-P1 BLK 1		LOT 140-P1 BLK 1		LOT 141-P1 BLK 1		LOT 142-P1 BLK 1		LOT 143-P1 BLK 1		LOT 144-P1 BLK 1		LOT 145-P1 BLK 1		LOT 146-P1 BLK 1		LOT 147-P1 BLK 1		LOT 148-P1 BLK 1		LOT 149-P1 BLK 1		LOT 150-P1 BLK 1		LOT 151-P1 BLK 1		LOT 152-P1 BLK 1		LOT 153-P1 BLK 1		LOT 154-P1 BLK 1		LOT 155-P1 BLK 1		LOT 156-P1 BLK 1		LOT 157-P1 BLK 1		LOT 158-P1 BLK 1		LOT 159-P1 BLK 1		LOT 160-P1 BLK 1		LOT 161-P1 BLK 1		LOT 162-P1 BLK 1		LOT 163-P1 BLK 1		LOT 164-P1 BLK 1		LOT 165-P1 BLK 1		LOT 166-P1 BLK 1		LOT 167-P1 BLK 1		LOT 168-P1 BLK 1		LOT 169-P1 BLK 1		LOT 170-P1 BLK 1		LOT 171-P1 BLK 1		LOT 172-P1 BLK 1		LOT 173-P1 BLK 1		LOT 174-P1 BLK 1		LOT 175-P1 BLK 1		LOT 176-P1 BLK 1		LOT 177-P1 BLK 1		LOT 178-P1 BLK 1		LOT 179-P1 BLK 1		LOT 180-P1 BLK 1		LOT 181-P1 BLK 1		LOT 182-P1 BLK 1		LOT 183-P1 BLK 1		LOT 184-P1 BLK 1		LOT 185-P1 BLK 1		LOT 186-P1 BLK 1		LOT 187-P1 BLK 1		LOT 188-P1 BLK 1		LOT 189-P1 BLK 1		LOT 190-P1 BLK 1		LOT 191-P1 BLK 1		LOT 192-P1 BLK 1		LOT 193-P1 BLK 1		LOT 194-P1 BLK 1		LOT 195-P1 BLK 1		LOT 196-P1 BLK 1		LOT 197-P1 BLK 1		LOT 198-P1 BLK 1		LOT 199-P1 BLK 1		LOT 200-P1 BLK 1		LOT 201-P1 BLK 1		LOT 202-P1 BLK 1		LOT 203-P1 BLK 1		LOT 204-P1 BLK 1		LOT 205-P1 BLK 1		LOT 206-P1 BLK 1		LOT 207-P1 BLK 1		LOT 208-P1 BLK 1		LOT 209-P1 BLK 1		LOT 210-P1 BLK 1		LOT 211-P1 BLK 1		LOT 212-P1 BLK 1		LOT 213-P1 BLK 1		LOT 214-P1 BLK 1		LOT 215-P1 BLK 1		LOT 216-P1 BLK 1		LOT 217-P1 BLK 1		LOT 218-P1 BLK 1		LOT 219-P1 BLK 1		LOT 220-P1 BLK 1		LOT 221-P1 BLK 1		LOT 222-P1 BLK 1		LOT 223-P1 BLK 1		LOT 224-P1 BLK 1		LOT 225-P1 BLK 1		LOT 226-P1 BLK 1		LOT 227-P1 BLK 1		LOT 228-P1 BLK 1		LOT 229-P1 BLK 1		LOT 230-P1 BLK 1		LOT 231-P1 BLK 1		LOT 232-P1 BLK 1		LOT 233-P1 BLK 1		LOT 234-P1 BLK 1		LOT 235-P1 BLK 1		LOT 236-P1 BLK 1		LOT 237-P1 BLK 1		LOT 238-P1 BLK 1		LOT 239-P1 BLK 1		LOT 240-P1 BLK 1		LOT 241-P1 BLK 1		LOT 242-P1 BLK 1		LOT 243-P1 BLK 1		LOT 244-P1 BLK 1		LOT 245-P1 BLK 1		LOT 246-P1 BLK 1		LOT 247-P1 BLK 1		LOT 248-P1 BLK 1		LOT 249-P1 BLK 1		LOT 250-P1 BLK 1		LOT 251-P1 BLK 1		LOT 252-P1 BLK 1		LOT 253-P1 BLK 1		LOT 254-P1 BLK 1		LOT 255-P1 BLK 1		LOT 256-P1 BLK 1		LOT 257-P1 BLK 1		LOT 258-P1 BLK 1		LOT 259-P1 BLK 1		LOT 260-P1 BLK 1		LOT 261-P1 BLK 1		LOT 262-P1 BLK 1		LOT 263-P1 BLK 1		LOT 264-P1 BLK 1		LOT 265-P1 BLK 1		LOT 266-P1 BLK 1		LOT 267-P1 BLK 1		LOT 268-P1 BLK 1		LOT 269-P1 BLK 1		LOT 270-P1 BLK 1		LOT 271-P1 BLK 1		LOT 272-P1 BLK 1		LOT 273-P1 BLK 1		LOT 274-P1 BLK 1		LOT 275-P1 BLK 1		LOT 276-P1 BLK 1		LOT 277-P1 BLK 1		LOT 278-P1 BLK 1		LOT 279-P1 BLK 1		LOT 280-P1 BLK 1		LOT 281-P1 BLK 1		LOT 282-P1 BLK 1		LOT 283-P1 BLK 1		LOT 284-P1 BLK 1		LOT 285-P1 BLK 1		LOT 286-P1 BLK 1		LOT 287-P1 BLK 1		LOT 288-P1 BLK 1		LOT 289-P1 BLK 1		LOT 290-P1 BLK 1		LOT 291-P1 BLK 1		LOT 292-P1 BLK 1		LOT 293-P1 BLK 1		LOT 294-P1 BLK 1		LOT 295-P1 BLK 1		LOT 296-P1 BLK 1		LOT 297-P1 BLK 1		LOT 298-P1 BLK 1		LOT 299-P1 BLK 1		LOT 300-P1 BLK 1		LOT 301-P1 BLK 1		LOT 302-P1 BLK 1		LOT 303-P1 BLK 1		LOT 304-P1 BLK 1		LOT 305-P1 BLK 1		LOT 306-P1 BLK 1		LOT 307-P1 BLK 1		LOT 308-P1 BLK 1		LOT 309-P1 BLK 1		LOT 310-P1 BLK 1		LOT 311-P1 BLK 1		LOT 312-P1 BLK 1		LOT 313-P1 BLK 1		LOT 314-P1 BLK 1		LOT 315-P1 BLK 1		LOT 316-P1 BLK 1		LOT 317-P1 BLK 1		LOT 318-P1 BLK 1		LOT 319-P1 BLK 1		LOT 320-P1 BLK 1		LOT 321-P1 BLK 1		LOT 322-P1 BLK 1		LOT 323-P1 BLK 1		LOT 324-P1 BLK 1		LOT 325-P1 BLK 1		LOT 326-P1 BLK 1		LOT 327-P1 BLK 1		LOT 328-P1 BLK 1		LOT 329-P1 BLK 1		LOT 330-P1 BLK 1		LOT 331-P1 BLK 1		LOT 332-P1 BLK 1		LOT 333-P1 BLK 1		LOT 334-P1 BLK 1		LOT 335-P1 BLK 1		LOT 336-P1 BLK 1		LOT 337-P1 BLK 1		LOT 338-P1 BLK 1		LOT 339-P1 BLK 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395-P1 BLK 1		LOT 396-P1 BLK 1		LOT 397-P1 BLK 1		LOT 398-P1 BLK 1		LOT 399-P1 BLK 1		LOT 400-P1 BLK 1		LOT 401-P1 BLK 1		LOT 402-P1 BLK 1		LOT 403-P1 BLK 1		LOT 404-P1 BLK 1		LOT 405-P1 BLK 1		LOT 406-P1 BLK 1		LOT 407-P1 BLK 1		LOT 408-P1 BLK 1		LOT 409-P1 BLK 1		LOT 410-P1 BLK 1		LOT 411-P1 BLK 1		LOT 412-P1 BLK 1		LOT 413-P1 BLK 1		LOT 414-P1 BLK 1		LOT 415-P1 BLK 1		LOT 416-P1 BLK 1		LOT 417-P1 BLK 1		LOT 418-P1 BLK 1		LOT 419-P1 BLK 1		LOT 420-P1 BLK 1		LOT 421-P1 BLK 1		LOT 422-P1 BLK 1		LOT 423-P1 BLK 1		LOT 424-P1 BLK 1		LOT 425-P1 BLK 1		LOT 426-P1 BLK 1		LOT 427-P1 BLK 1		LOT 428-P1 BLK 1		LOT 429-P1 BLK 1		LOT 430-P1 BLK 1		LOT 431-P1 BLK 1		LOT 432-P1 BLK 1		LOT 433-P1 BLK 1		LOT 434-P1 BLK 1		LOT 435-P1 BLK 1		LOT 436-P1 BLK 1		LOT 437-P1 BLK 1		LOT 438-P1 BLK 1		LOT 439-P1 BLK 1		LOT 440-P1 BLK 1		LOT 441-P1 BLK 1		LOT 442-P1 BLK 1		LOT 443-P1 BLK 1		LOT 444-P1 BLK 1		LOT 445-P1 BLK 1		LOT 446-P1 BLK 1		LOT 447-P1 BLK 1		LOT 448-P1 BLK 1		LOT 449-P1 BLK 1		LOT 450-P1 BLK 1		LOT 451-P1 BLK 1		LOT 452-P1 BLK 1		LOT 453-P1 BLK 1		LOT 454-P1 BLK 1		LOT 455-P1 BLK 1		LOT 456-P1 BLK 1		LOT 457-P1 BLK 1		LOT 458-P1 BLK 1		LOT 459-P1 BLK 1		LOT 460-P1 BLK 1		LOT 461-P1 BLK 1		LOT 462-P1 BLK 1		LOT 463-P1 BLK 1		LOT 464-P1 BLK 1		LOT 465-P1 BLK 1		LOT 466-P1 BLK 1		LOT 467-P1 BLK 1		LOT 468-P1 BLK 1		LOT 469-P1 BLK 1		LOT 470-P1 BLK 1		LOT 471-P1 BLK 1		LOT 472-P1 BLK 1		LOT 473-P1 BLK 1		LOT 474-P1 BLK 1		LOT 475-P1 BLK 1		LOT 476-P1 BLK 1		LOT 477-P1 BLK 1		LOT 478-P1 BLK 1		LOT 479-P1 BLK 1		LOT 480-P1 BLK 1		LOT 481-P1 BLK 1		LOT 482-P1 BLK 1		LOT 483-P1 BLK 1		LOT 484-P1 BLK 1		LOT 485-P1 BLK 1		LOT 486-P1 BLK 1		LOT 487-P1 BLK 1		LOT 488-P1 BLK 1		LOT 489-P1 BLK 1		LOT 490-P1 BLK 1		LOT 491-P1 BLK 1		LOT 492-P1 BLK 1		LOT 493-P1 BLK 1		LOT 494-P1 BLK 1		LOT 495-P1 BLK 1		LOT 496-P1 BLK 1		LOT 497-P1 BLK 1		LOT 498-P1 BLK 1		LOT 499-P1 BLK 1		LOT 500-P1 BLK 1		LOT 501-P1 BLK 1		LOT 502-P1 BLK 1		LOT 503-P1 BLK 1		LOT 504-P1 BLK 1		LOT 505-P1 BLK 1		LOT 506-P1 BLK 1		LOT 507-P1 BLK 1		LOT 508-P1 BLK 1		LOT 509-P1 BLK 1		LOT 510-P1 BLK 1		LOT 511-P1 BLK 1		LOT 512-P1 BLK 1		LOT 513-P1 BLK 1		LOT 514-P1 BLK 1		LOT 515-P1 BLK 1		LOT 516-P1 BLK 1		LOT 517-P1 BLK 1		LOT 518-P1 BLK 1		LOT 519-P1 BLK 1		LOT 520-P1 BLK 1		LOT 521-P1 BLK 1		LOT 522-P1 BLK 1		LOT 523-P1 BLK 1		LOT 524-P1 BLK 1		LOT 525-P1 BLK 1		LOT 526-P1 BLK 1		LOT 527-P1 BLK 1		LOT 528-P1 BLK 1		LOT 529-P1 BLK 1		LOT 530-P1 BLK 1		LOT 531-P1 BLK 1		LOT 532-P1 BLK 1		LOT 533-P1 BLK 1		LOT 534-P1 BLK 1		LOT 535-P1 BLK 1		LOT 536-P1 BLK 1		LOT 537-P1 BLK 1		LOT 538-P1 BLK 1		LOT 539-P1 BLK 1		LOT 540-P1 BLK 1		LOT 541-P1 BLK 1		LOT 542-P1 BLK 1		LOT 543-P1 BLK 1		LOT 544-P1 BLK 1		LOT 545-P1 BLK 1		LOT 546-P1 BLK 1		LOT 547-P1 BLK 1		LOT 548-P1 BLK 1		LOT 549-P1 BLK 1		LOT 550-P1 BLK 1		LOT 551-P1 BLK 1		LOT 552-P1 BLK 1		LOT 553-P1 BLK 1		LOT 554-P1 BLK 1		LOT 555-P1 BLK 1		LOT 556-P1 BLK 1		LOT 557-P1 BLK 1		LOT 558-P1 BLK 1		LOT 559-P1 BLK 1		LOT 560-P1 BLK 1		LOT 561-P1 BLK 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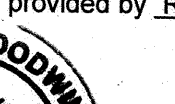
A3030PH5/CALABACILLAS ARROYO PLANS 2/Calabacillas-Anasazi.dwg/12-16-08/ RDQ

[illegible]

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, 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 part of this project 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 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 Russ P. Hugg NMPS number 97567.

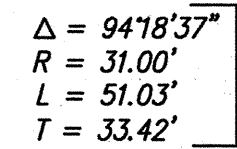
Mark Goodwin 9/17/17
Mark Goodwin NMPE 8948



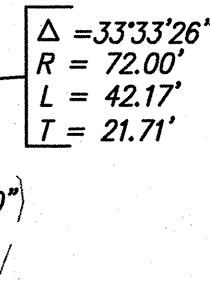
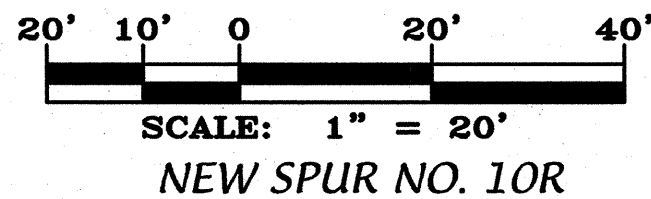
 MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

	ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
	TITLE: ANASAZI RIDGE SUBDIVISION CALABACILLAS ARROYO IMPROVEMENTS SHOT-CRETE BANK PROTECTION	

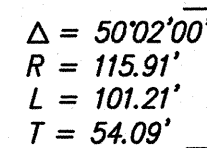
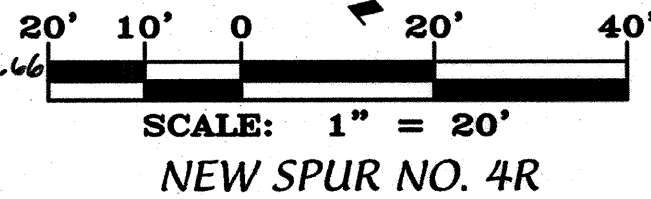
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF	
	A-10	6	9	



291+33.13, 261.03' LT
EXTEND EXIST 8" SAS
33.00 LF @ 0.68%
INV. = 92.18
WITH 8' CAP



NEW SPUR NO. 4R				AB
PT. NO.	STATION/OFFSET	ELEVATION	COMMENT	
88	267+73.86, 121.15' LT	5364.58	MATCH EXISTING	
89	267+89.63, 121.17' LT	5364.58	MATCH EXISTING	5364.66
90	268+29.50, 122.99' LT	5366.45	TOP OF SHOT-CRETE	5366.79
91	268+30.21, 126.05' LT	5366.45	TOP OF SHOT-CRETE	5366.87
92	268+39.76, 169.40' LT	5366.67	TOP OF SHOT-CRETE	5366.99
93	268+32.26, 92.46' LT	5355.58	TOP OF SHOT-CRETE	20
94	268+37.78, 77.69' LT	5349.58	BOTTOM OF SHOT-CRETE	5350.66



RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

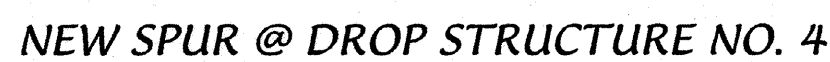
I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approval 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 Russ P. Hugg, NMPS number 9750.

Mark Goodwin 9/27/10
Mark Goodwin NMPE 8948

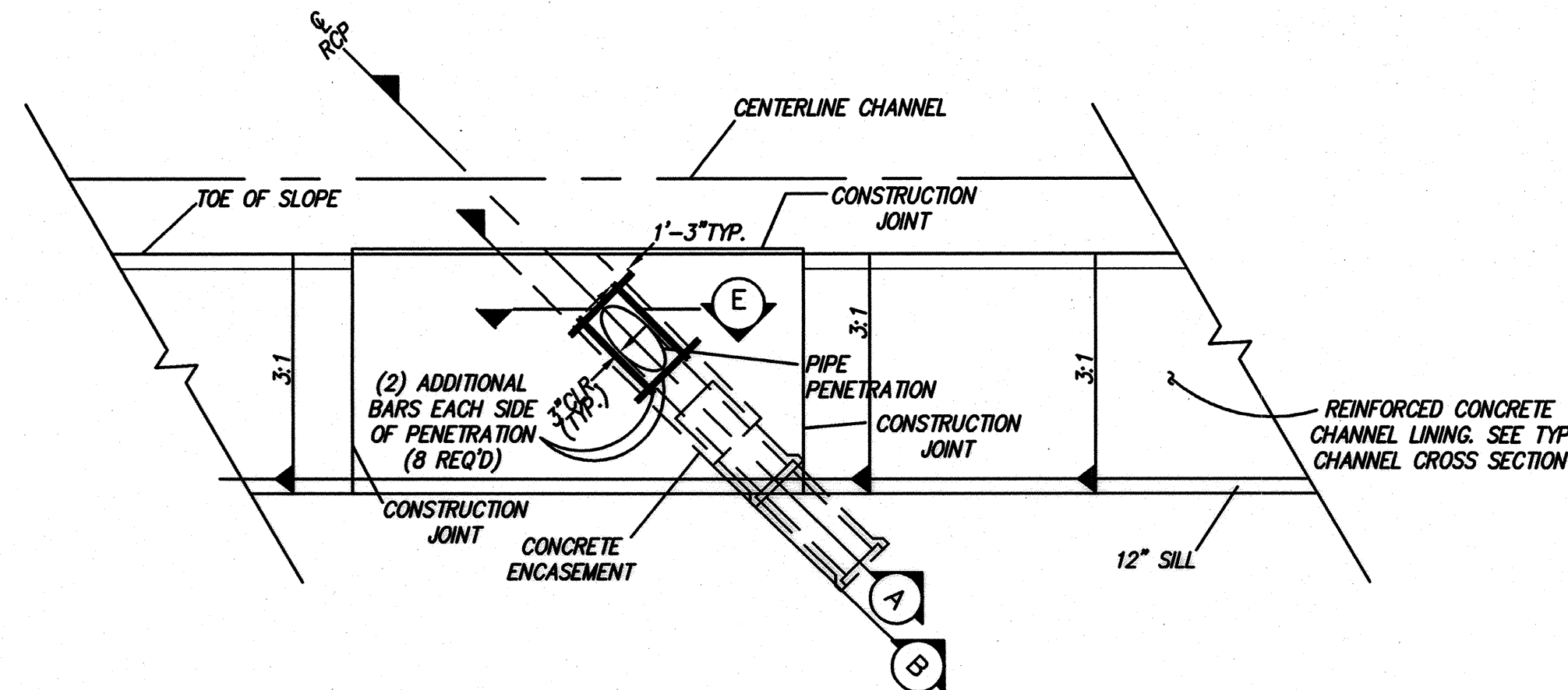


NGVD 29

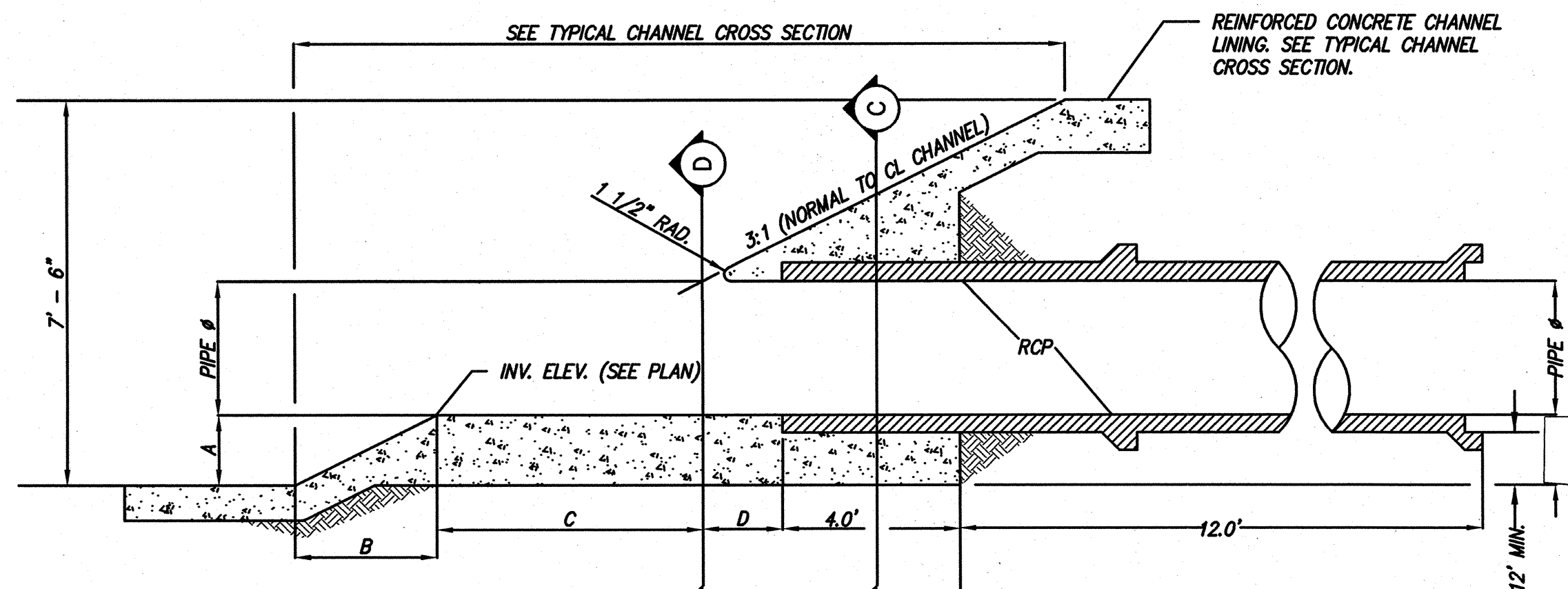
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-5959



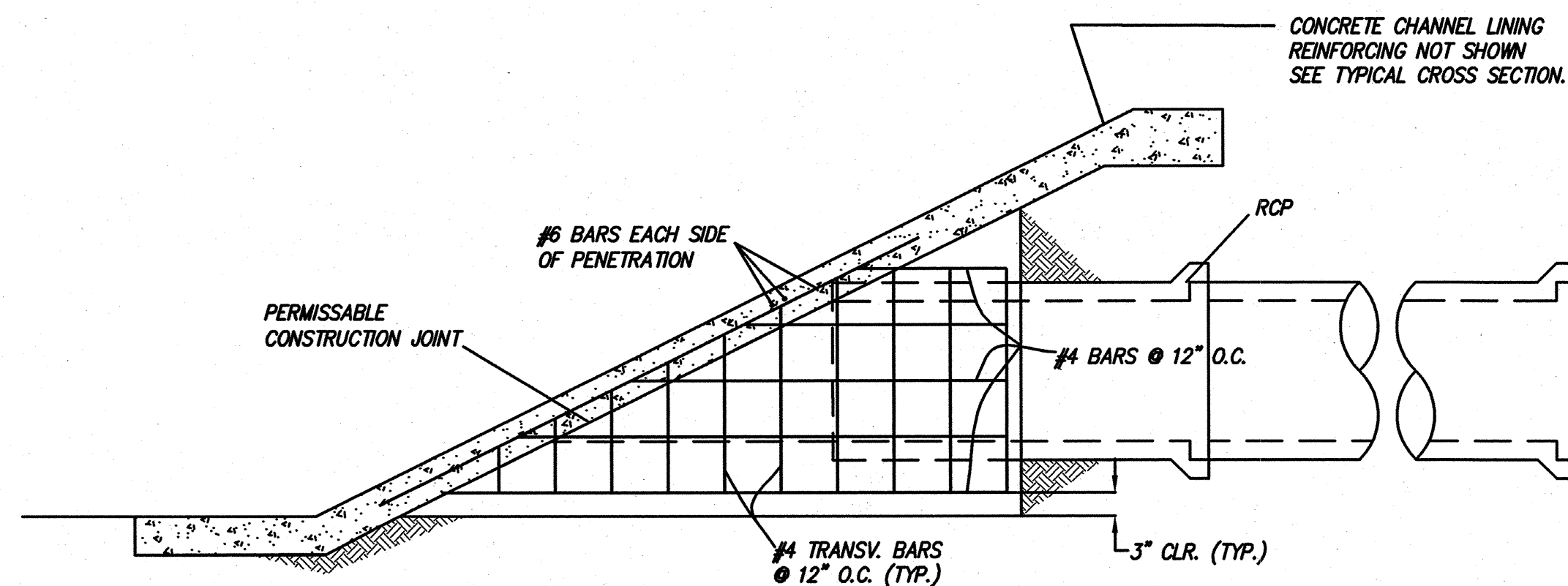
ENGINEER'S SEAL						SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
						FIELD NOTES						
						NO.	BY	DATE				
						ALBUQUERQUE TO REACH STATION FROM INTERSECTION OF CENTRAL AVE. & COORS RD. GO N. ON COORS 7.6 MI. TO THE INTERSECTION WITH PARADISE BLVD., THEN NW ON PARADISE 1.1 MI. TO GOLF COURSE RD., THEN NE ON GOLF COURSE 1.3 MI. TO JUNCTION WITH AGUAHON BLVD., THEN NW ON AGUAHON 2.25 MI. STATION IS LOCATED 600 FT SOUTH OF THIS POINT. STATION IS STD. USC&GS BRASS TABLET STAMPED "SANDBERY 1969" SET IN CONC. POST X=361,654.29 Y= 1,534,208.29 (NAD 27) ELEV= 5456.92 (NGVD 29)						
						MICRO-FILM INFORMATION RECORDED BY NO.						
						DESIGNED BY JDH DATE 07/06 DRAWN BY RDC DATE 07/06 CHECKED BY DMG DATE 07/06						



TYPICAL PIPE PENETRATION (PLAN VIEW)
N.T.S.



SECTION A - A
N.T.S.

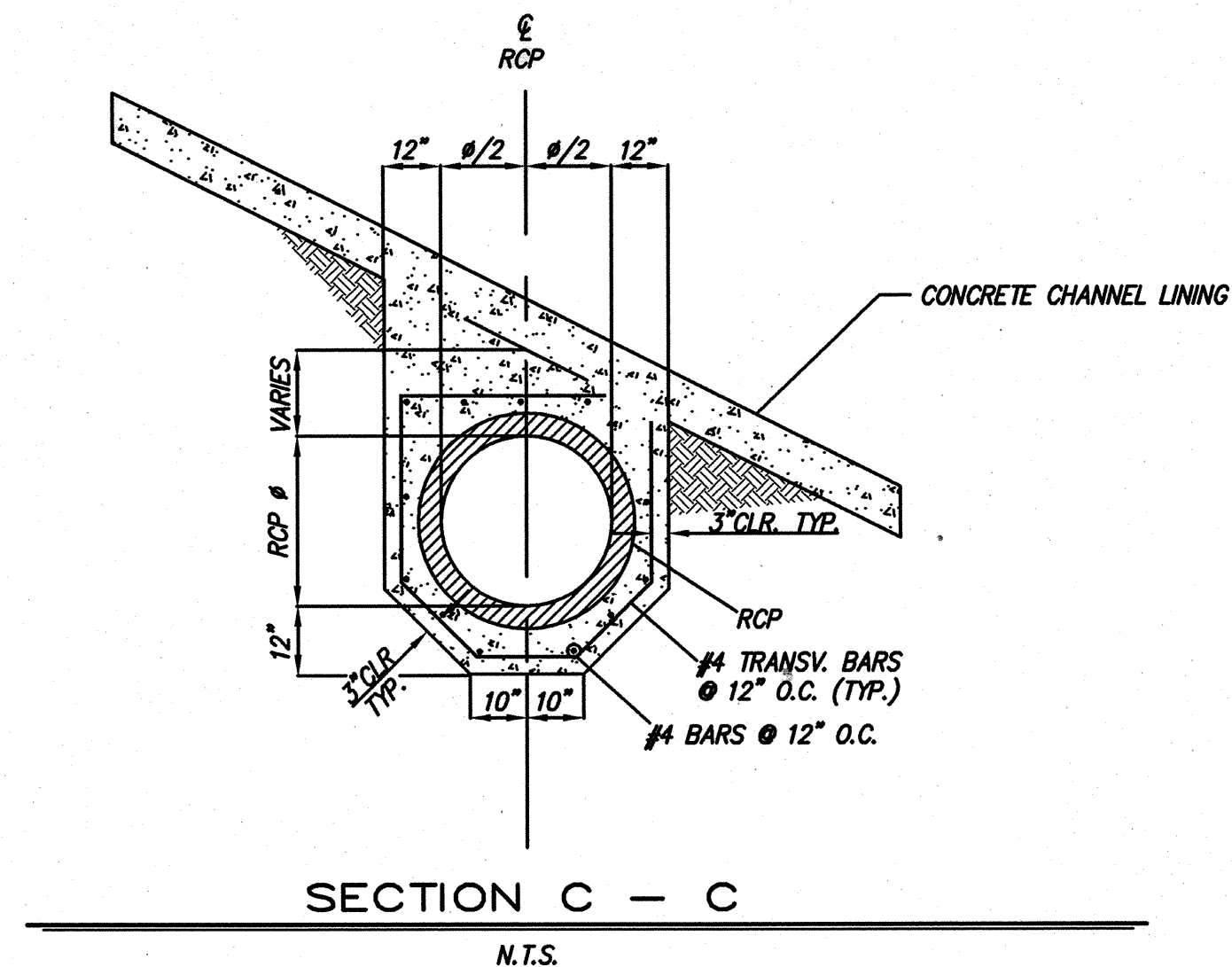


SECTION B - B
N.T.S.

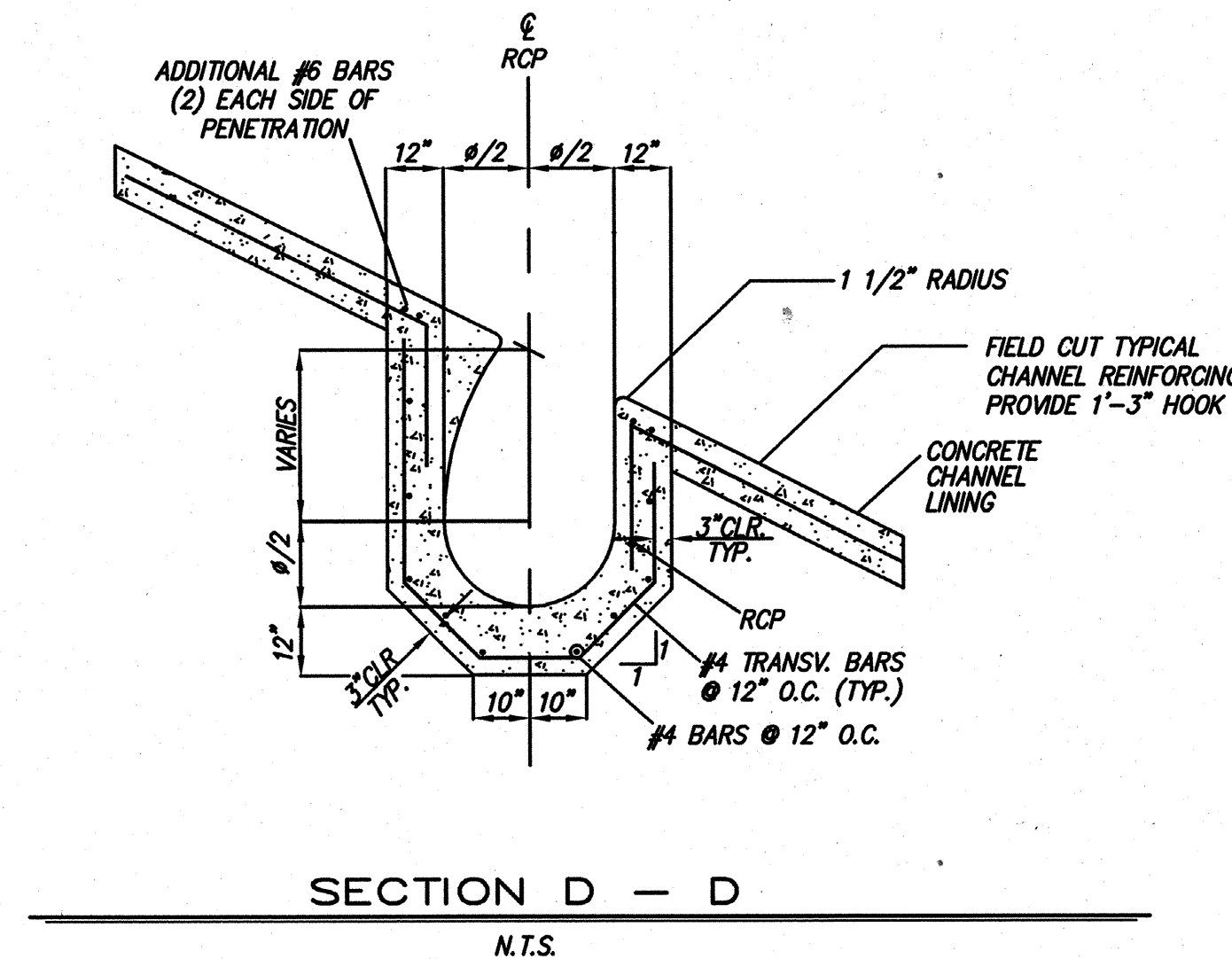
TABLE OF DIMENSIONS					
PIPE DIAMETER	SKEW	CHANNEL DEPTH	B	C	D
4.5	30°	20"	N/A	15.6	3.0
4.0	30°	20"	N/A	13.85	3.0
FEET	DEGREES	FEET	FEET	FEET	FEET

NOTES

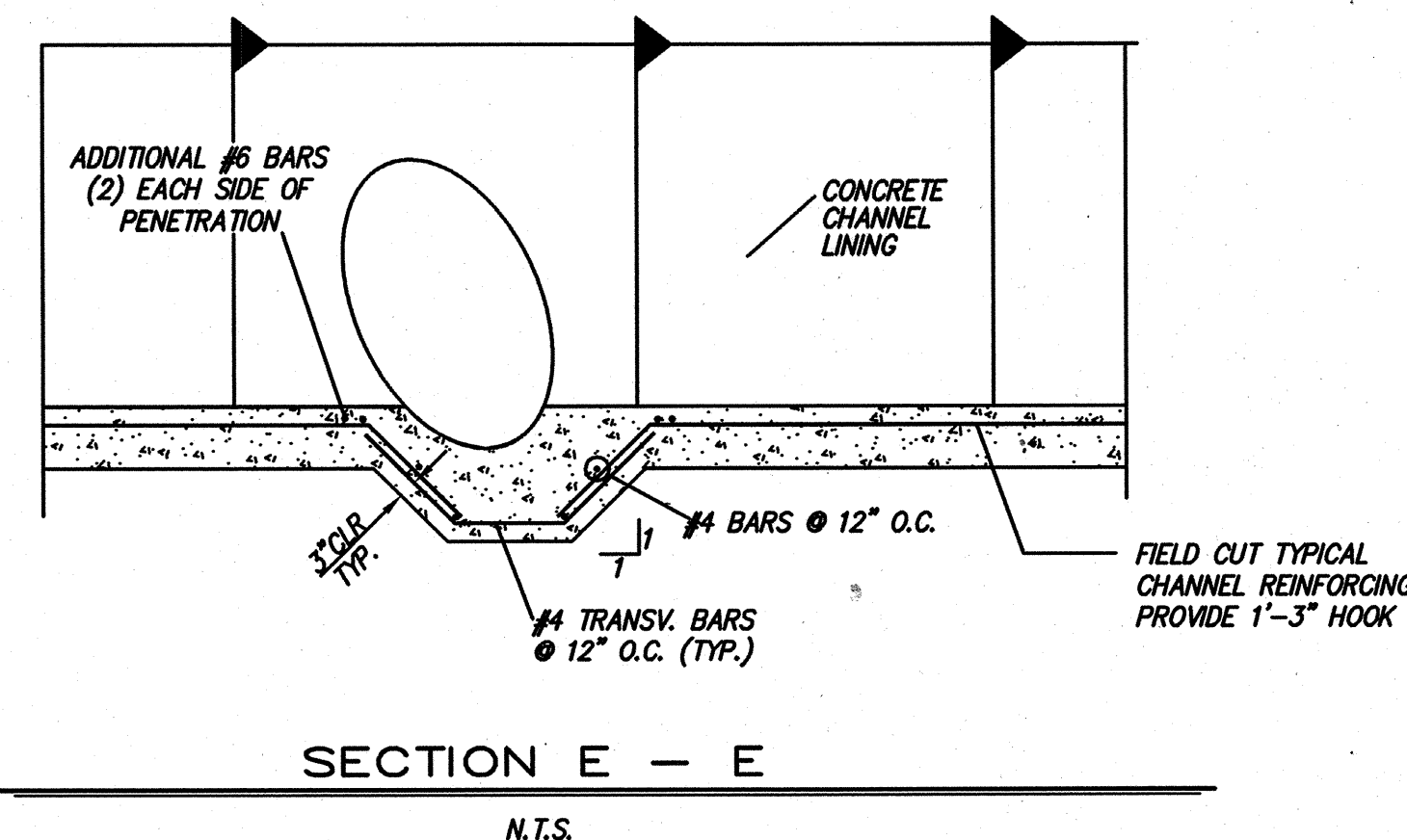
1. THE PIPE PENETRATION DETAILED HEREIN SHALL BE PAID FOR UNDER PIPE PENETRATION, (EACH) AND SHALL BE COMPENSATED FOR THE PENETRATION COMPLETE AND IN PLACE, INCLUDED IN THIS WORK (BUT NOT LIMITED TO) IS GRADING, SUBGRADE PREPARATION, REINFORCED CONCRETE, CONSTRUCTION JOINTS, CONCRETE PLACEMENT, 16' OF PROPER SIZE RCP, CONNECTION WITH THIS PROJECT, BACKFILL, AND FINISHING. NOTE: THE MEASUREMENT FOR CONCRETE CHANNEL LINING IS CONTINUOUS AND UNINTERRUPTED AT THE PENETRATION LOCATION.
2. THE TYPICAL TRANSVERSE AND LONGITUDINAL REINFORCEMENT SHALL BE CONTINUOUS THRU THE CONSTRUCTION JOINT LAPPED BAR SPICES ADJACENT TO THE JOINT IS PERMITTED.
#8 BAR LAP = 4'-2"
#7 BAR LAP = 3'-2"
#5 BAR LAP = 2'-2"



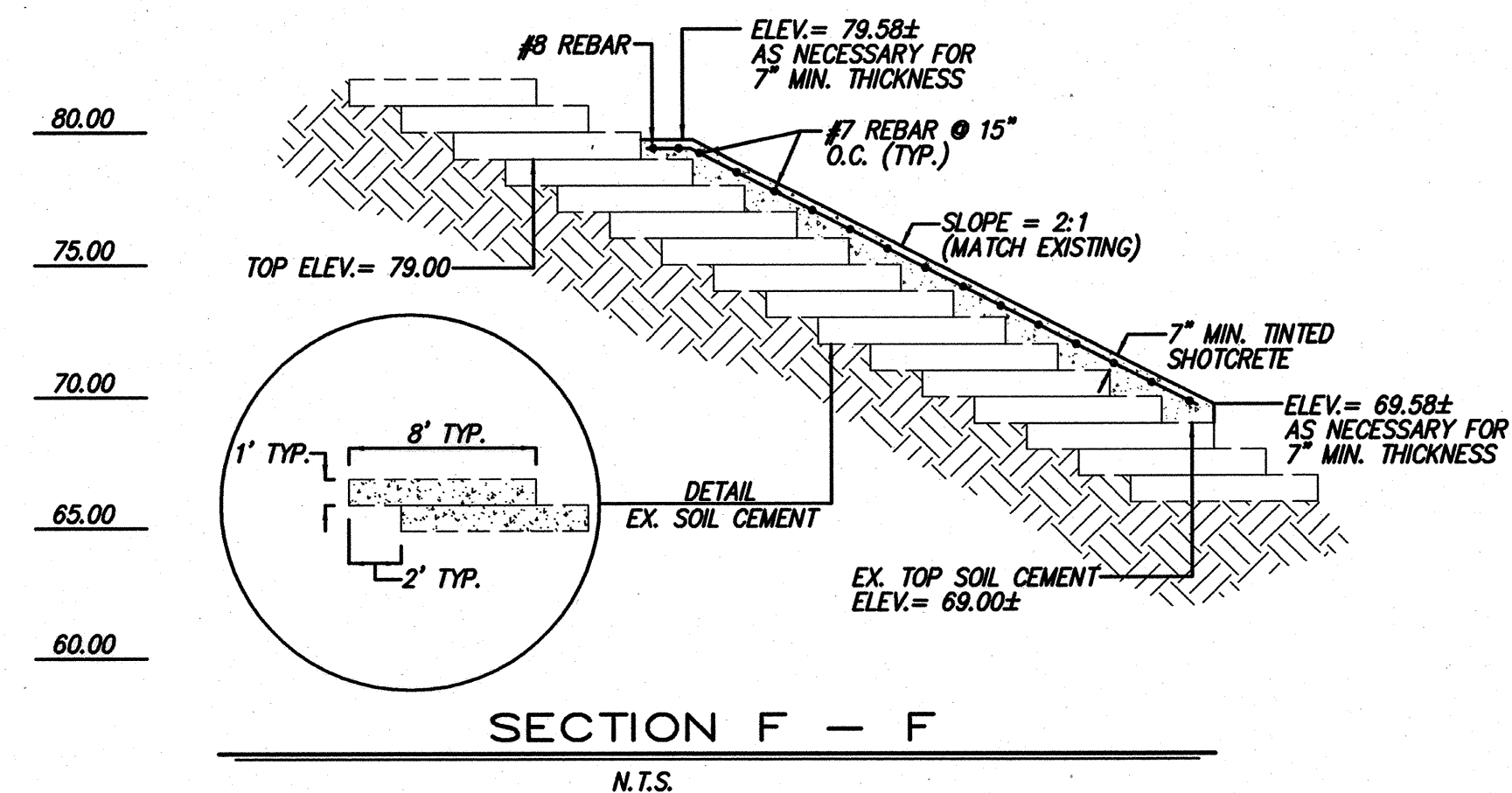
SECTION C - C
N.T.S.



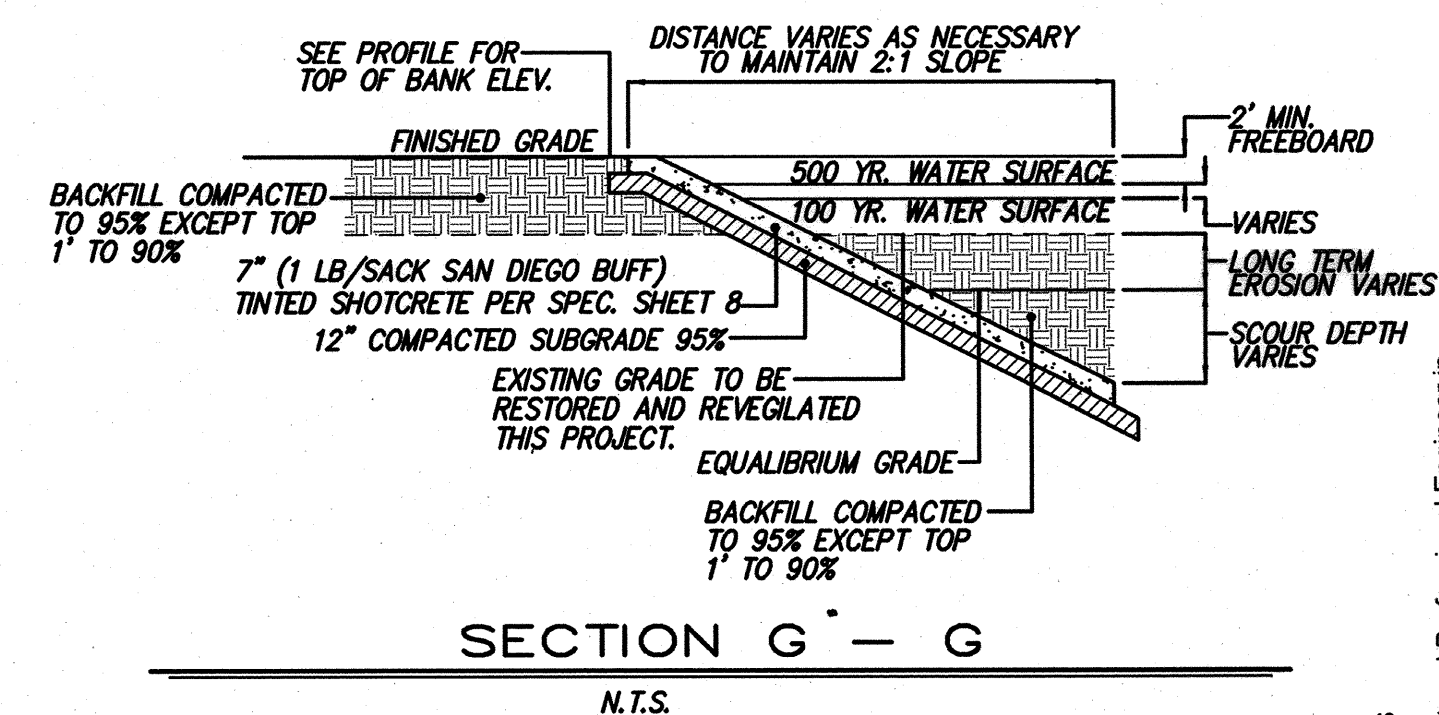
SECTION D - D
N.T.S.



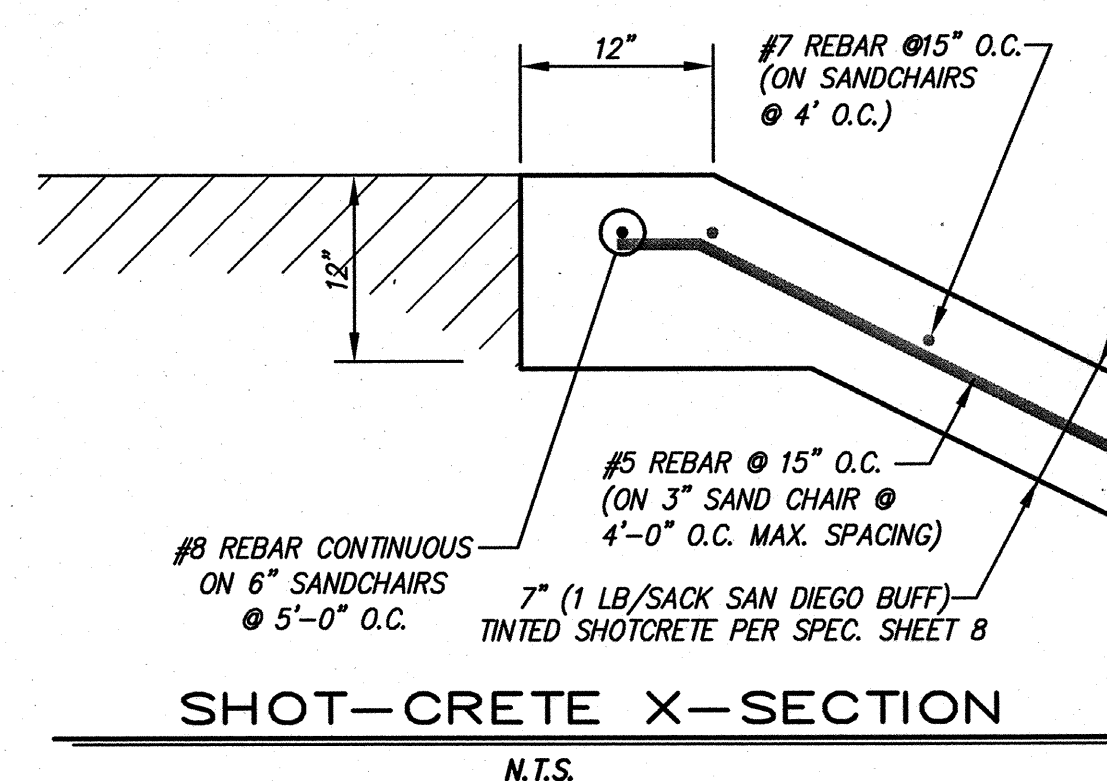
SECTION E - E
N.T.S.



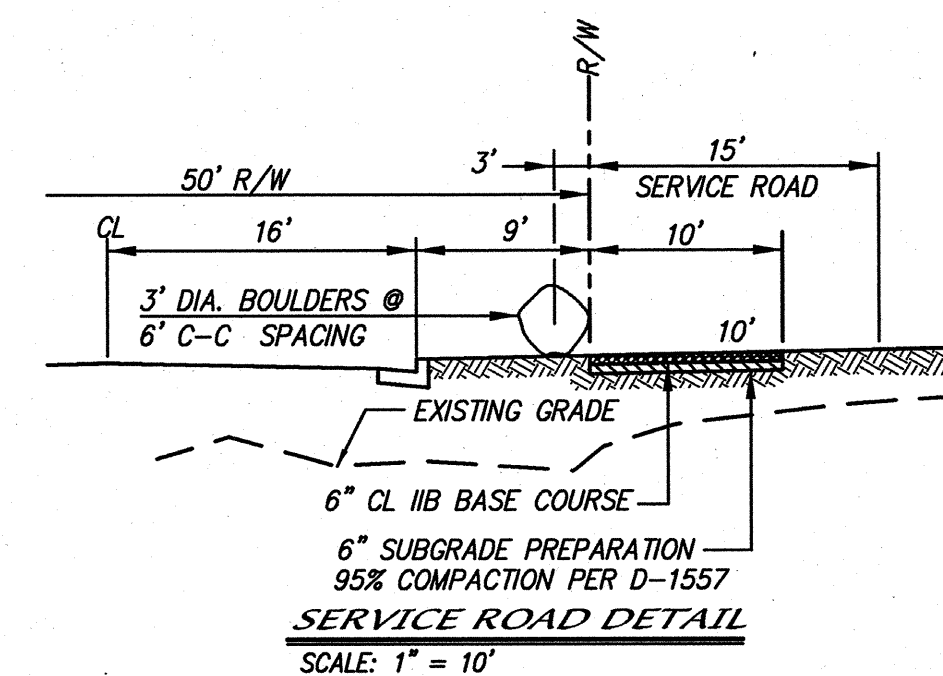
SECTION F - F
N.T.S.



SECTION G - G
N.T.S.

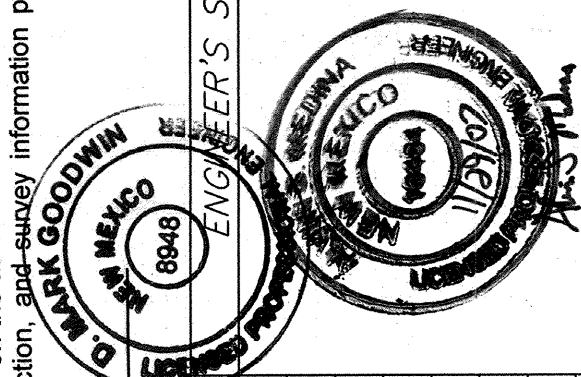


SHOT-CRETE X-SECTION
N.T.S.



SERVICE ROAD DETAIL
SCALE: 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., 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 part of this project 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 approved by the City Engineer. This Certification is based on the site inspection and the information provided by the contractor. I am not responsible for the design of the project or the construction of the project. My responsibility is limited to the inspection and certification of the project.



NGVD 29

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ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
TITLE: ANASAZI RIDGE SUBDIVISION CALABACILLAS ARROYO IMPROVEMENTS SHOT-CRETE BANK PROTECTION - DETAILS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
DATE	DATE
MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
	A-10
SHEET	OF
8	9

SECTION 625
SHOTCRETE

625.1 GENERAL

625.11 This work shall consist of construction of the shotcrete lining utilizing the shotcrete process, including mixing, placing, finishing, testing and curing as shown in the contract in compliance with these specifications:

625.12 The requirements of Section 101 - Portland Cement Concrete and Section 510 - Concrete Structures shall apply where appropriate and not expressly modified by these specifications. Fly Ash shall be used in all concrete and shotcrete per section 510.

625.2 MATERIALS

625.21 All requirements of Section 101 - Portland Cement Concrete shall apply except as modified herein. Shotcrete shall have a minimum compressive strength of 4,000 PSI at 28 days, 5-8% air content at the pump and a slump of 1-1/2" to 4" at the pump. Shotcrete shall be tinted in accordance with Subsection 602.2.2 of these specifications.

625.211 Tinted concrete will be made by the addition of an approved concrete coloring agent to the concrete mix. The coloring agent will be added in addition to other concrete ingredients and no reductions to other ingredients will be made.

The concrete coloring for use on this project shall be:

Davis Color or Approved Equal		
	lbs./sack of cement	Color number
San Diego Buff	1 lb	

The design mixes must be submitted by the Contractor for approval by the Project Manager prior to placement. Coordination with the General contractor, shotcrete subcontractor, AMAFCA Project Manager will be required prior to any shotcrete placement

625.22 Coarse Aggregate. Coarse aggregate shall meet the following gradation requirements.

Sieve Size	Percent Passing
½ inch	100
3/8 inch	85-100
No. 4	10-30
No. 8	0-10
No. 16	0-5

625.23 Proportioning. Shotcrete shall be mixed and pneumatically applied by the wet-mix process. The concrete shall meet the minimum requirements set forth in Section 510 including the addition of air entrainment, fly ash, and tint.

625.24 The design mixes must be submitted by the Contractor for approval by the Project Manager.

625.25 Preconstruction Testing:

Test panels simulating actual field conditions shall be fabricated prior to start of construction. Test panels shall be colored shotcrete for color approval prior to construction.

The panels shall be at least 36" square and 6" thick with a back form of heavy plywood. The forms should be set for each shooting position to be encountered in the structure. Part of the panel should contain the same reinforcement as the structure, to show whether sound shotcrete is obtained behind the reinforcing bars. The panel is fabricated by gunning the proposed shotcrete design mix, including all materials and additives, to simulate actual field conditions. Curing will be field cured as specified. Cores shall be obtained for compression test and tested at 7, 14, and 28 days.

Prior to gunning the mixture three concrete test cylinders shall be taken from the design mix and tested at 7, 14, and 28 days. Cylinders to be field cured.

625.26 Quality Acceptance Tests:

A minimum of three cores shall be taken for each 500 linear feet of channel. Cores shall be obtained and tested in accordance with ASTM C-42-90. One core shall be removed and tested at 7 days, one at 14 days, and one at 28 days. Minimum compression strengths shall be as follows:

7 day	14 day	28 day
2,400 PSI	3,000 PSI	4,000 PSI

If shotcrete cores at 28 days show deficient strength, additional cores shall be taken at the contractor's expense from adjacent areas. Two cores shall be required for each deficient core. Should either additional core prove deficient, the defective shotcrete shall be removed and replaced at the Contractor's expense. No additional shotcreting shall be done until the shotcrete mixture is revised and approved by the Project Manager.

Should a strength deficiency be evident in 7-day or 14-day cores, on approval of Project Manager, the Contractor may proceed with the work on his own responsibility until the 28 day cores are tested. These cores shall also be used for determining shotcrete thickness.

625.3 CONSTRUCTION

625.31 Equipment and Workmen. Shotcreting shall be done only by experienced personnel. When requested by the Project Manager, the Contractor shall furnish evidence that each foreman, nozzle operator and delivery equipment operator has done satisfactory work in a similar capacity elsewhere and is fully qualified to perform the work.

625.311 Premixed Shotcrete. The mixing equipment shall be capable of thoroughly mixing the specified materials in sufficient quantity to maintain continuous placing.

625.32 Surface Preparation. The foundation for areas to receive shotcrete shall be evenly graded to the required elevation before the shotcrete is applied. The areas shall be thoroughly compacted with sufficient mixture to provide a firm foundation and to prevent absorption of water form the shotcrete. No high subgrade will be permitted.

Surfaces shall not contain free surface water, loose material or frozen material at the time of shotcrete application.

625.33 Forms and Reinforcement. Forms, headers, and shooting strips shall be provided and rigidly braced as required for backing. Ground or gaging wires and depth gages shall be used where necessary to establish and insure thickness, surface and finish lines.

Steel reinforcement shall be rigidly supported in the position shown in the contract. Metal chairs shall be used to properly anchor and place the reinforcement. All reinforcement shall be clean and free from loose mill scale, loose rust, overspray from previous shotcrete application, soil and other undesirable materials that interfere with bonding.

625.34 Placing. Each layer of shotcrete shall be built up by making several passes of the nozzle over the working area. When enclosing steel reinforcement, the nozzle shall be held so as to direct the material around the bars. The shotcrete shall emerge from the nozzle in a steady, uninterrupted flow. The nozzle shall be directed so as to result in minimum rebound. The velocity of the material as it leaves the nozzle shall be maintained uniform and at a rate determined for the given job conditions.

Contractor shall use appropriate form work to separate areas of different tinting, and shall prevent adjacent areas from being discolored by overspray and rebound.

Rebound shall not be worked back into the construction or salvaged. Rebound that does not fall clear of the work shall be removed.

Shotcrete shall not be placed when the air temperature is below forty degrees (40°)F unless the air temperature is at least thirty-five degrees (35°)F and rising.

The mixing, transporting, and placement time for shotcrete materials, shall not exceed two hours or 250 revolutions of the mixer drum whichever comes first. Additional water may be added at job site only if requested by the Project Manager. When additional water is added, the drum shall be rotated a minimum of 30 additional revolutions. The ready-mix plant shall certify the material for weight, water, admixtures and mixing time.

625.35 Finishing. After the shotcrete has been placed as nearly as practical to the required thickness, the ground wires may be removed, the surfaces shall be checked with a straight edge, and low spots or depressions shall be corrected by placing additional shotcrete in such a manner that the finished surface is natural as left by the nozzle and will be reasonably smooth and uniform.

Loose areas of shotcrete shall be removed and replaced by the Contractor at no additional cost.

625.36 Curing. In all cases, the period of protection shall be not less than 7 days.

625.37 Tolerance in Shotcrete Thickness. Acceptance of the finished channel lining with respect to thickness shall be on the basis of random core sampling, as designated by the Project Manager. A minimum of two core samples will be taken from longitudinal lengths of lining not exceed 500 linear feet. If deficiencies are noted, the Project Manager may require additional core samples. All coring required by the Project Manager shall be at the Owner's expense.

Should the Contractor desire to have additional core samples taken these samples would be taken at the Contractor's expense.

Deduction for a deficiency in thickness shall be made according to the following: Thickness deficiency shall be based on the average thickness of the number of samples taken within each 500 or less linear feet of lining.

Thickness Deficiency	Percent of Contract Price Allowed
0-1/2"	100%
Greater than 1/2"	Reject

Any 500 linear foot span of channel lining that is noted to deficient in thickness by more than the reject level shall be removed and replaced at the Contractor's expense.

It shall be the responsibility of the Contractor to have the core holes immediately filled with fresh shotcrete. This shotcrete shall be of the same mix and of equal compressive strength as the original.

For quality acceptance, the Project Manager may have the core samples tested for compressive strength.

All cores will be measured in accordance with ASTM C-174.

625.38 Method of Measurement. Shotcrete will be measured by the square yard parallel to the surface.

Basis for Payment. The accepted quantities of shotcrete will be paid for at the contract unit price per square yard. Such payment shall constitute full reimbursement for all materials, labor and equipment used in the placement of all shotcrete, steel reinforcement, support chairs, forms, joints, tinting, finishing, curing, and all other necessary operations to complete the shotcrete in place. No extra payment will be made for additional shotcrete placed in excess of that shown on the plans unless directed by the Project Manager.

The Contractor shall furnish the Project Manager with copies of the manufacturer's specifications and operating instructions for the equipment used. No shotcrete shall be placed until the type of equipment and method of operation have been approved by the Project Manager.

SHOTCRETE QUANTITY SUMMARY						
SPUR ID	A=FLAT AREA	2:1 SLOPE AREA (A x 1.12)	3:1 SLOPE AREA (A x 1.05)	1' THICKENED EDGE	TOTAL AREA (S.F.)	TOTAL AREA (S.Y.)
SPUR #4R	3723 SF	4170 SF	-	236 SF	4406 SF	490 SY
	1356 SF	-	1424 SF	-	1424 SF	158 SY
SPUR #5R	5927 SF	6639 SF	-	205 SF	6843 SF	760 SY
GCS #4	3974 SF	4451 SF	-	168 SF	4619 SF	513 SY
SPUR #6R	9957 SF	11152 SF	-	338 SF	11490 SF	1277 SY
SPUR #9R	8047 SF	9013 SF	-	254 SF	9267 SF	1030 SY
SPUR #10R	6459 SF	7234 SF	-	196 SF	7430 SF	826 SY
TOTAL					45,479 SF	5054 SY

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

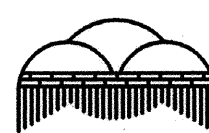
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Mark Goodwin
Mark Goodwin
9/27/10
NMPE 8948

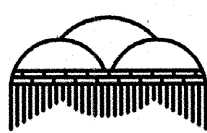


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ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY



TITLE: **ANASAZI RIDGE SUBDIVISION
CALABACILLAS ARROYO IMPROVEMENTS
SHOT-CRETE BANK PROTECTION SPECIFICATIONS**

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO.

ZONE MAP NO.

SHEET OF