

ALBUQUERQUE, NEW MEXICO

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NOTES FOR WORK IN
AMAFCA R/W OR EASEMENT

1. AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA R/W AT 884-2215.
2. NO WORK WILL BE PERFORMED IN THE AMAFCA R/W BETWEEN MAY 15 AND OCTOBER 15 WITHOUT PERMISSION FROM AMAFCA.
3. ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN THE AMAFCA R/W. TESTING RESULTS 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 TO 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

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.

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

| REV. | SHEETS | CITY ENGINEER | DATE | USER DEPARTMENT | DATE | USER DEPARTMENT | DATE |
|---|--------|------------------|--------------------|-----------------|---|-----------------|------|
| ENGINEERS STAMP & SIGNATURE | | APPROVALS | ENGINEER | DATE | ***** | | |
|  | | DRC CHAIRMAN | <i>[Signature]</i> | 4/24/73 | APPROVED FOR CONSTRUCTION | | |
| | | TRANSPORTATION | <i>[Signature]</i> | 4/24/73 | | | |
| | | WATER/WASTEWATER | <i>[Signature]</i> | 4-24-73 | | | |
| | | HYDROLOGY | <i>[Signature]</i> | 2-24-73 | | | |
| | | CIP | | | | | |
| | | CONSTR. MNGMT. | | | | | |
| | | CONSTR. COORD. | | |  | | |
| CITY PROJECT NO. | | | | | ENGINEER | | |
| 756187 | | | | | DATE | | |
| SHEET | | | | | OF | | |
| 1 | | | | | 21 | | |

REV. 11-9-17

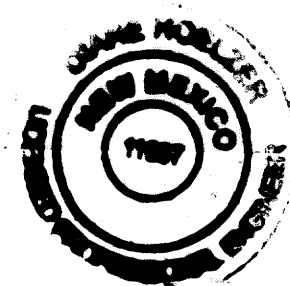
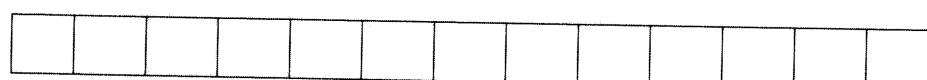
A11JOBS\A11063 JTH 3B\PLANS\A11063 3B Title Sheet.dwg\10-23-12\DFR ACH

RECORD DRAWING
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11967, 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 Hugg, NMPS number 9750

Diane Hoelzer 2-3-15
Diane Hoelzer NMPE 11967

This set of drawings is accepted for RECORD purposes by _____ on _____
2014

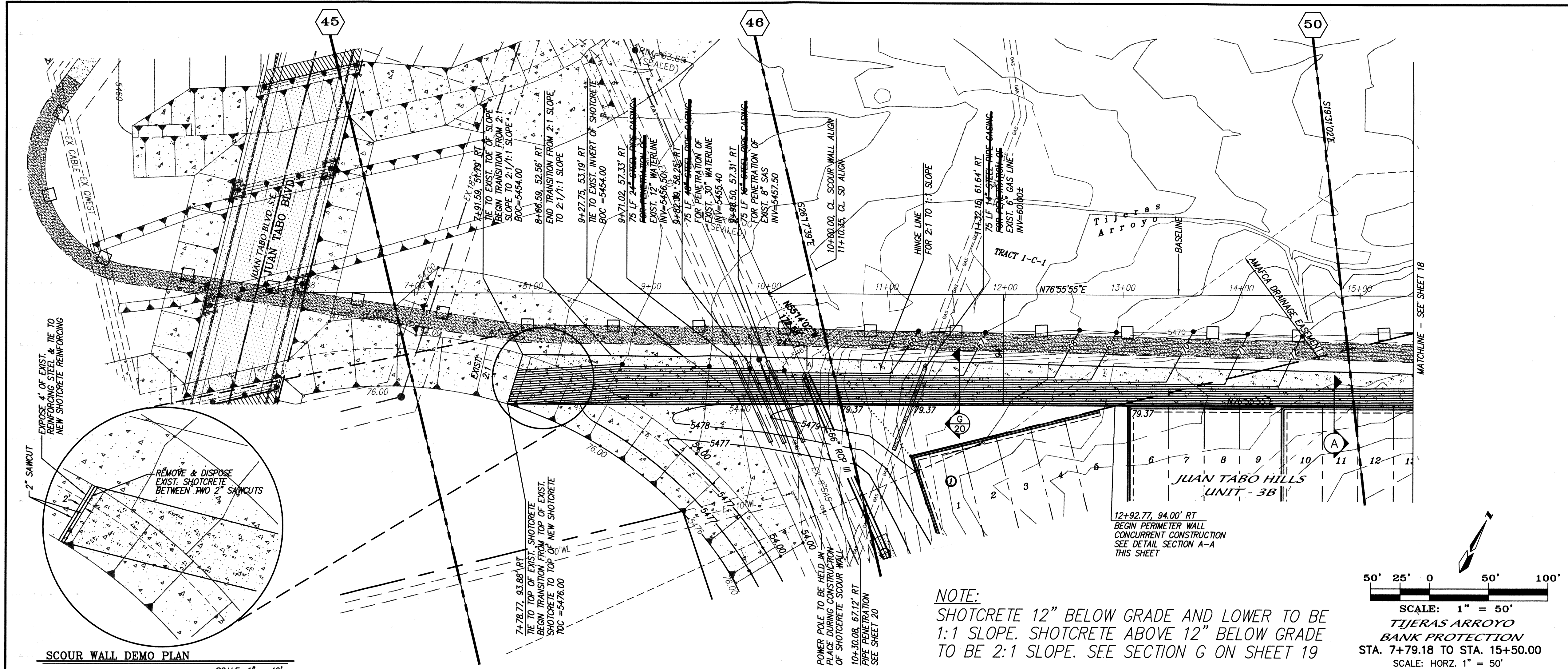


SURVEYORS CERTIFICATION

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.

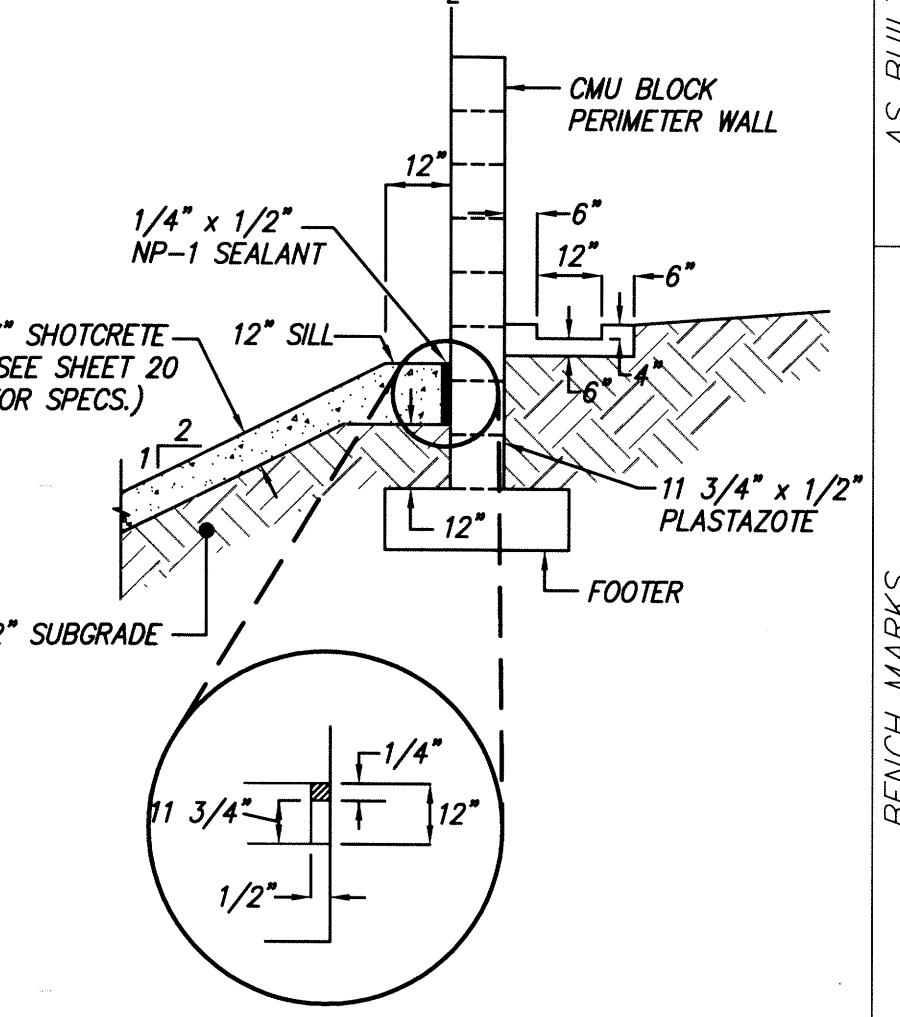
Russ P. Hugg
NMPS No. 9750
10.207 2014





NOTES

1. ALL STATIONING THIS SHEET BASED ON BASELINE OFFSET 94' NORTH OF PROPERTY LINE.
2. CONTRACTOR TO FIELD VERIFY THE INVERTS FOR THE PENETRATIONS OF THE EXISTING UTILITIES THROUGH THE SHOTCRETE.
3. PIPE PENETRATIONS THROUGH SHOTCRETE PER COA STD. DWG. 2380.



SECTION A-A
BANK PROTECTION/WALL INTERFACE

NOTE: CMU PERIMETER BLOCK WALL IS TO BE BUILT CONCURRENT WITH BANK PROTECTION. 12+92.77 TO 16+18.45

NOTE:
CONSTRUCTION OF BANK PROTECTION WILL NOT BEGIN UNTIL THE TURNKEY AGREEMENT WITH AMAFCA HAS BEEN SIGNED.

NGVD 29
DATE 11-5-12
AMAFCA

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Diane Hoelzer, NMPE 11967, 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 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 Hugg NMPS number 9750.

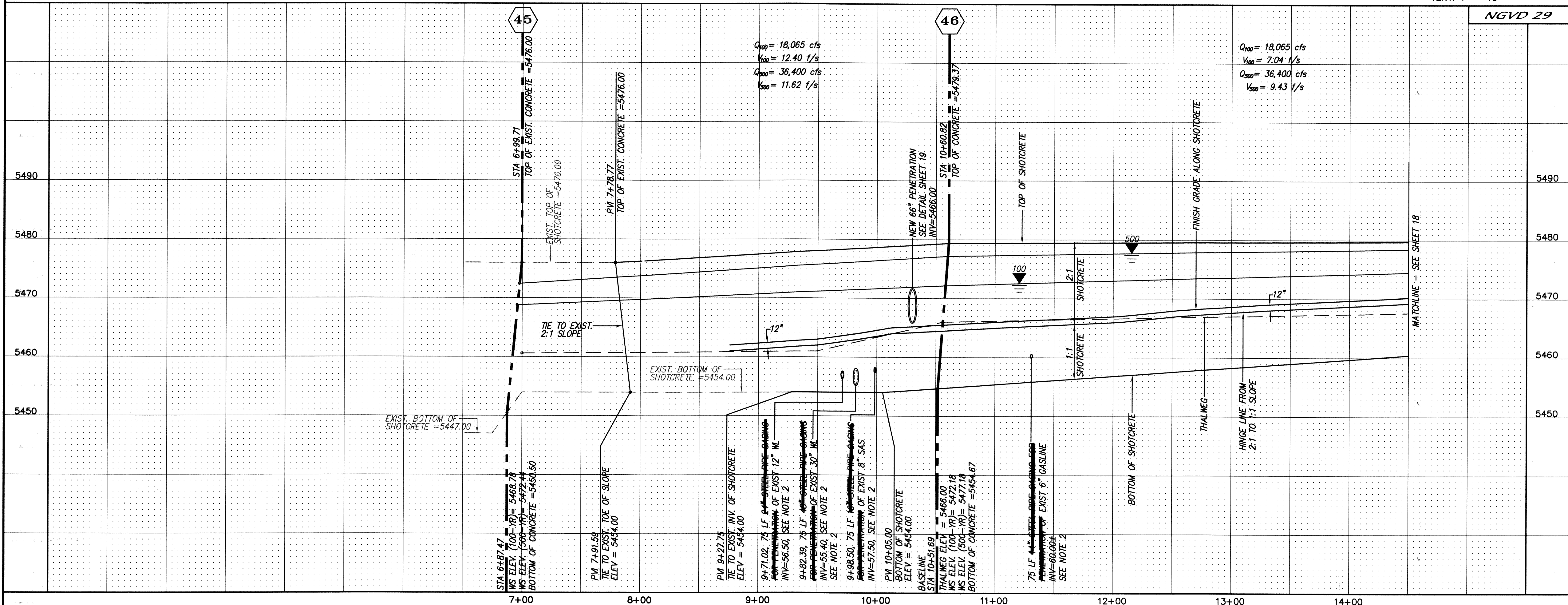
DATE 2-3-15
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

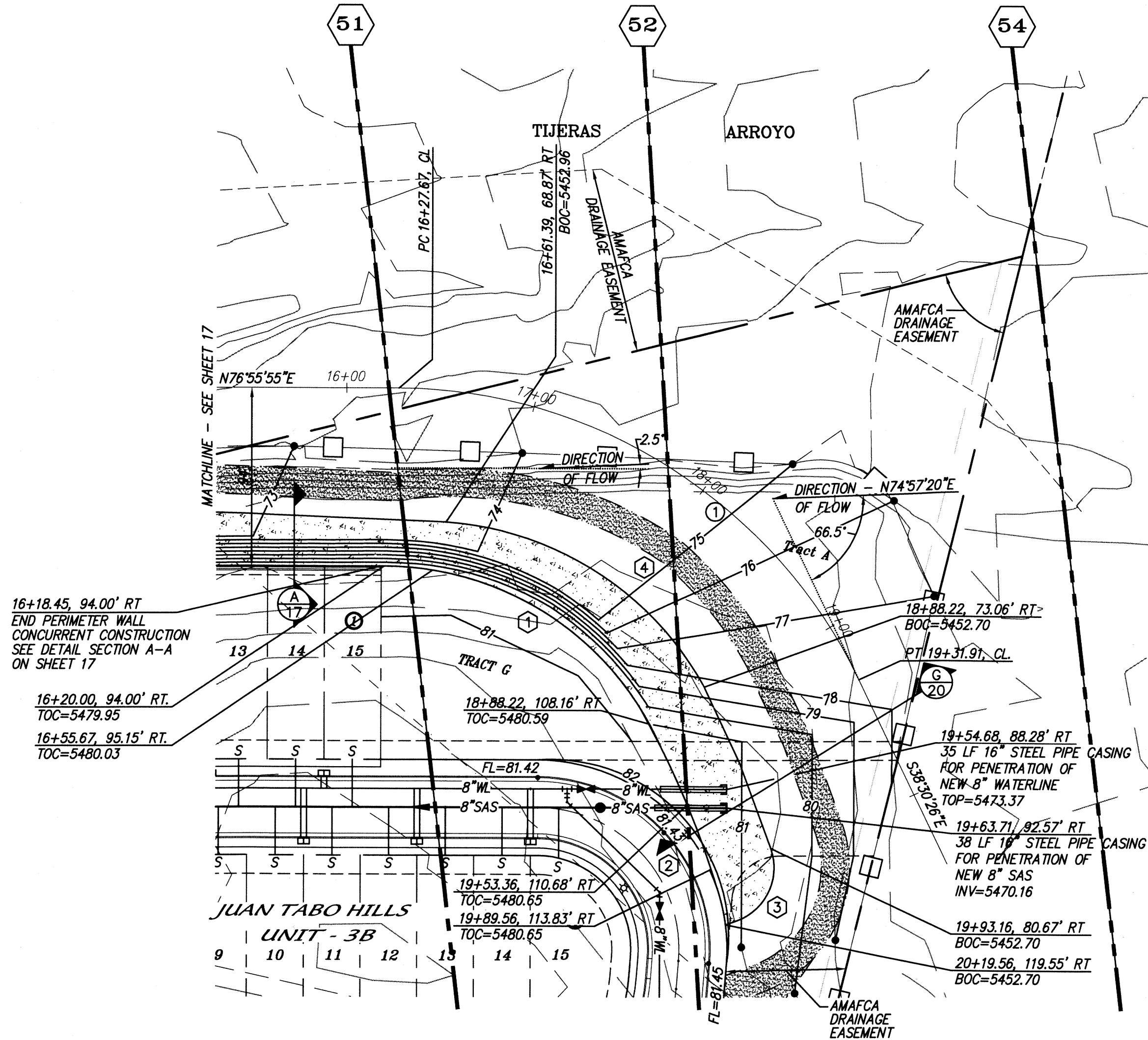
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: JUAN TABO HILLS UNIT 3B
TIJERAS ARROYO IMPROVEMENTS
BANK PROTECTION

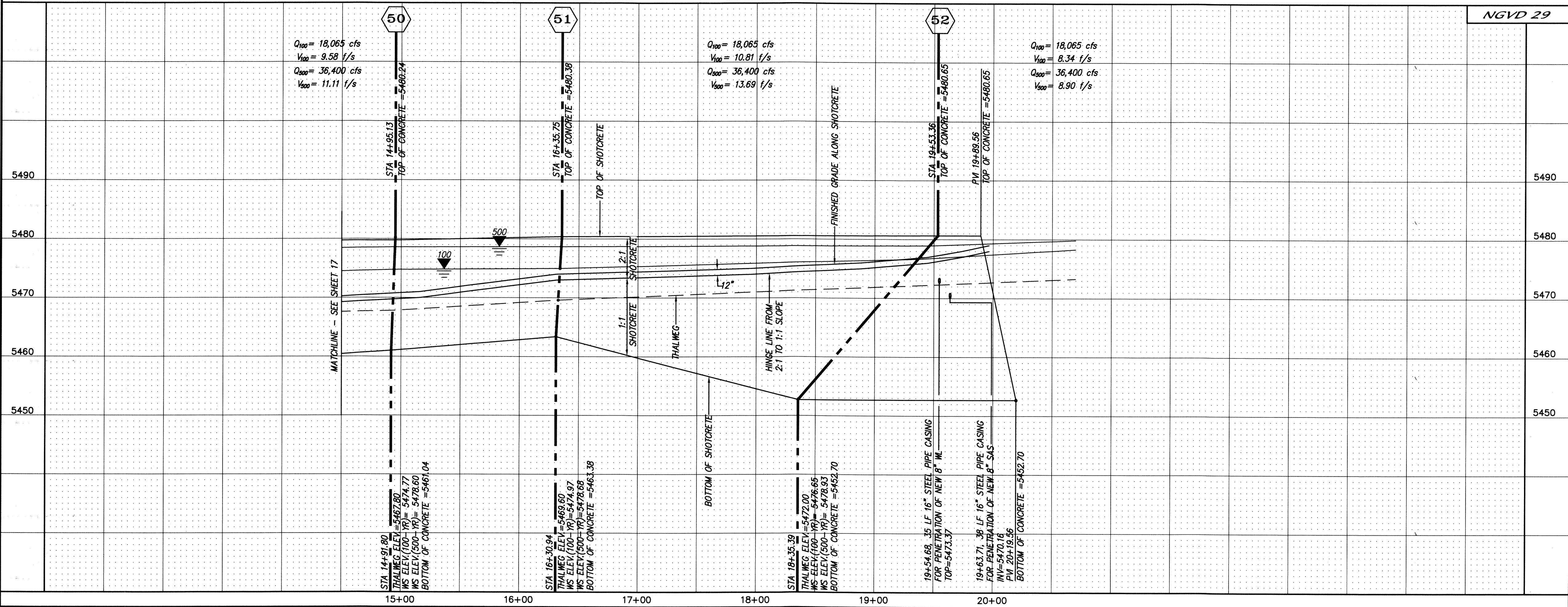
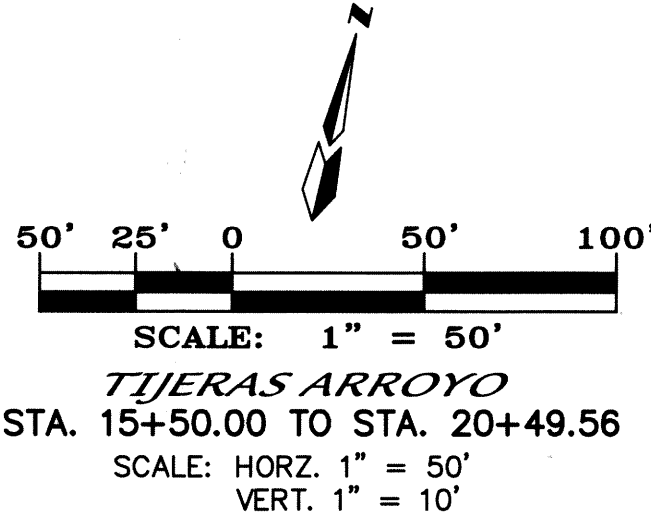
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|-------------------------|------------------------|-------------|-------------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | MO./DAY/YR. | MO./DAY/YR. |
| APPROVED | CITY ENGINEER | | |

CITY PROJECT NO. 756187 ZONE MAP NO. M-21-Z/M-22-Z SHEET 17 OF 21





NOTE:
SHOTCRETE 12" BELOW GRADE AND LOWER TO BE 1:1 SLOPE. SHOTCRETE ABOVE 12" BELOW GRADE TO BE 2:1 SLOPE. SEE SECTION G ON SHEET 19



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.

CURVE DATA - DESCRIBES CENTERLINE OF STATIONING

① $\Delta=64^{\circ}33'39''$
 $L=304.24$
 $R=270.00$
 $Tan=170.56$

CURVE DATA - DESCRIBES FACE OF SCOUR WALL

① $\Delta=64^{\circ}32'15''$ $\Delta=8^{\circ}41'43''$ $\Delta=90^{\circ}00'00''$
 $L=180.22$ $L=75.88$ $L=47.12$
 $R=160.00$ $R=500.00$ $R=30.00$
 $Tan=101.03$ $Tan=38.01$ $Tan=30.00$

④ $\Delta=57^{\circ}15'04''$
 $L=169.34$
 $R=169.48$
 $Tan=92.50$

NOTE:
CONSTRUCTION OF BANK PROTECTION WILL NOT BEGIN UNTIL THE TURNKEY AGREEMENT WITH AMAFCA HAS BEEN SIGNED.

Russ Hugg 11-5-12
AMAFCA DATE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Diane Hoelzer, NMPE 11967, 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 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 Hugg NMPS number 9750.

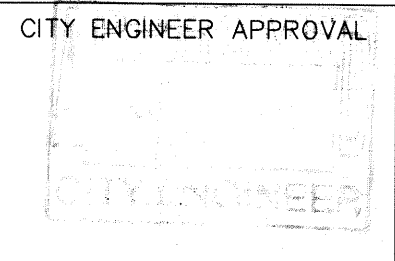
Diane Hoelzer 2-3-15

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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **JUAN TABO HILLS UNIT 3B
TIJERAS ARROYO IMPROVEMENTS
BANK PROTECTION**



| MO./DAY/YR. | MO./DAY/YR. |
|-------------|-------------|
| | |
| | |
| | |

CITY PROJECT NO.

ZONE MAP NO. **756187**
M-21-Z/M-22-Z

SHEET **18** OF **21**

