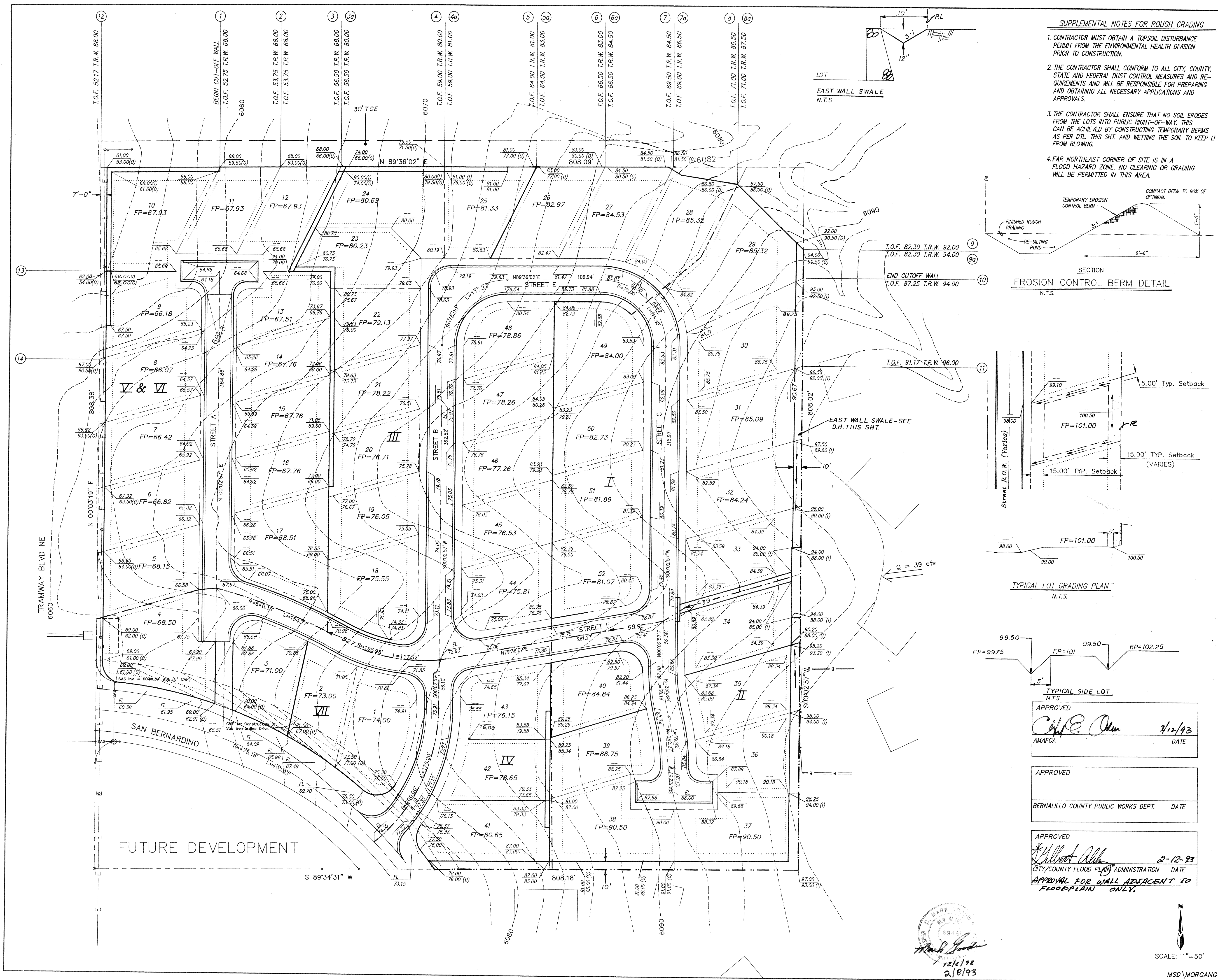
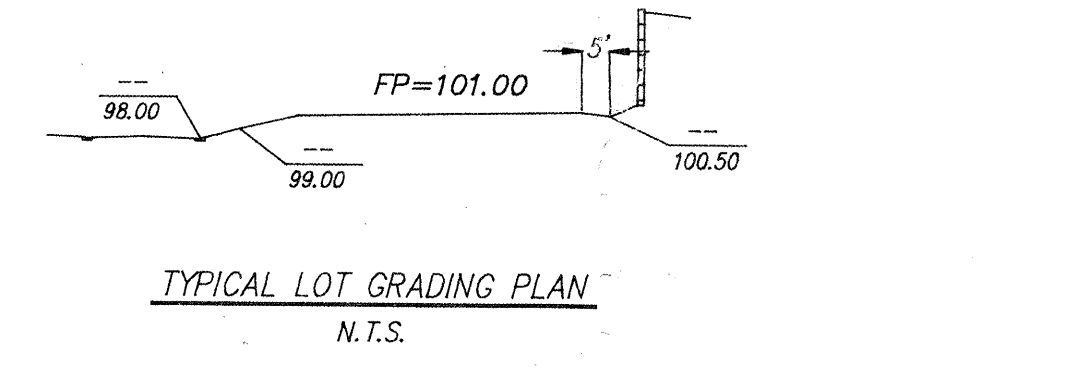
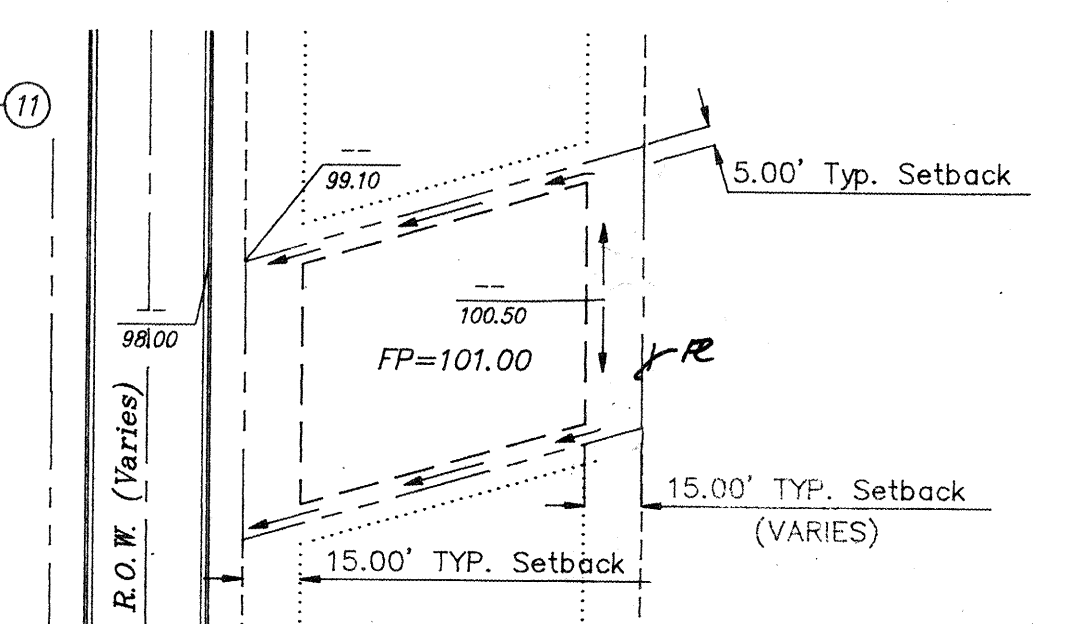
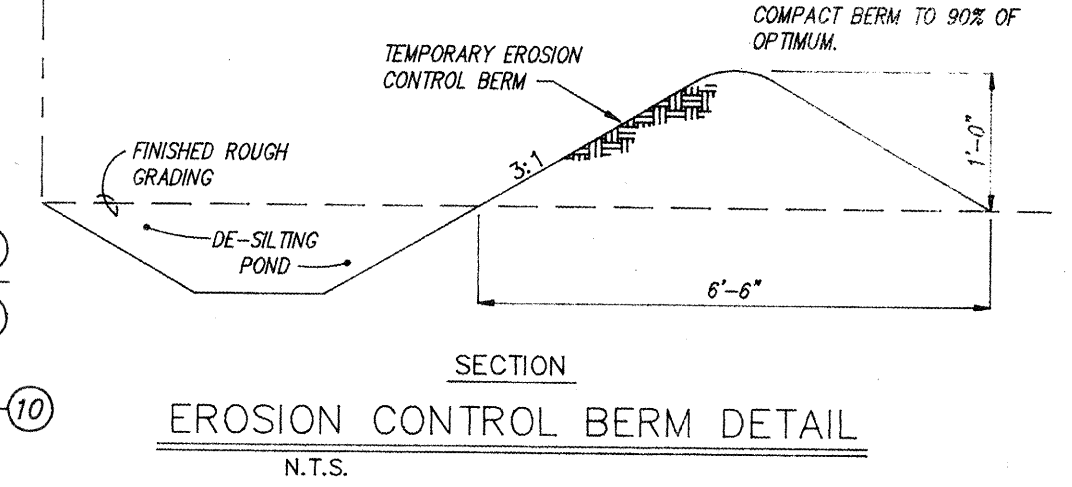




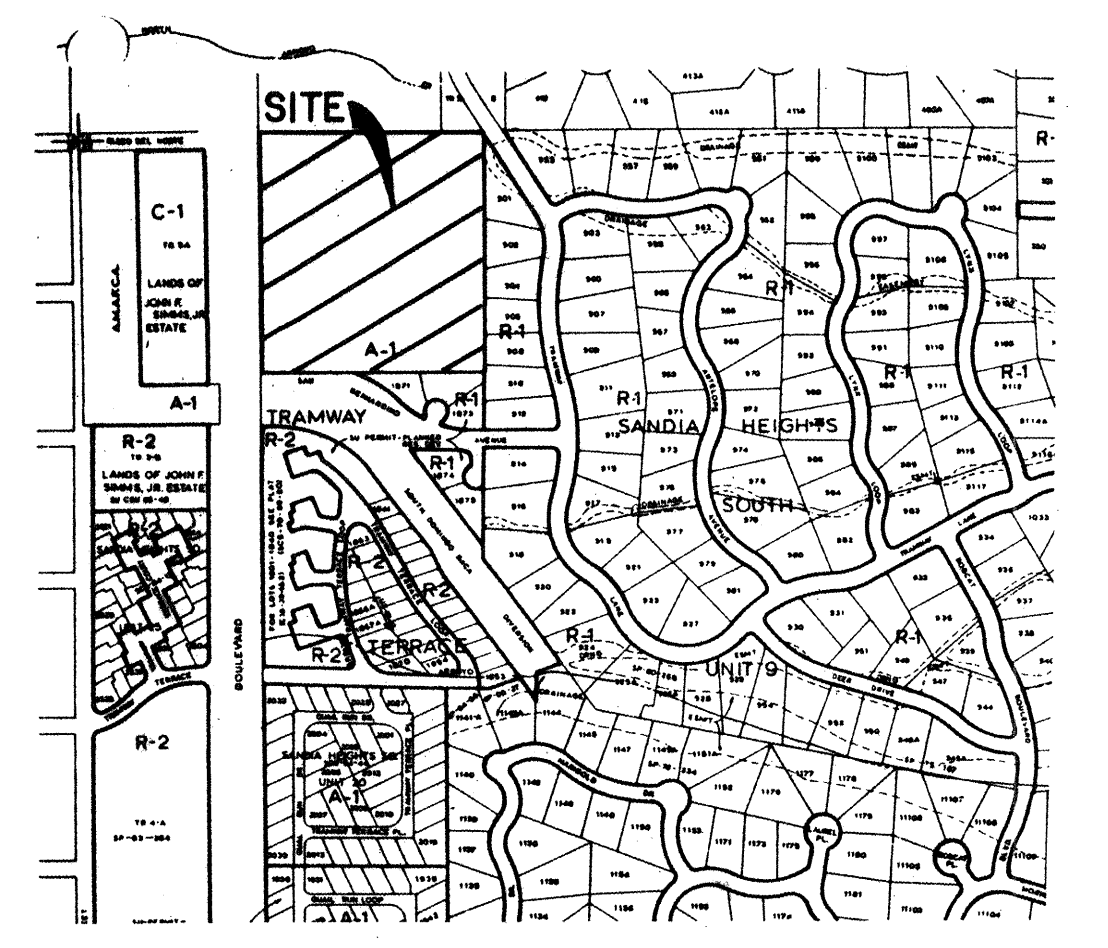
- SUPPLEMENTAL NOTES FOR ROUGH GRADING**
1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
 2. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
 3. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DTL. THIS SHT. AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
 4. FAR NORTHEAST CORNER OF SITE IS IN A FLOOD HAZARD ZONE. NO CLEARING OR GRADING WILL BE PERMITTED IN THIS AREA.



APPROVED
[Signature] 1/12/93
AMAFCA DATE

APPROVED
BERNALILLO COUNTY PUBLIC WORKS DEPT. DATE

APPROVED
[Signature] 2-12-93
CITY/COUNTY FLOOD PLAIN ADMINISTRATION DATE
APPROVAL FOR WALL ADJACENT TO FLOODPLAIN ONLY.



VICINITY MAP ZONE ATLAS D-23-Z
SCALE: NONE

ACS BENCHMARK

THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "C-21 1985" SET ON A 2 1/2" ALUMINUM TUBE WITH THE CAP PROJECTING 0.1 FEET ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND PASEO DEL NORTE, GO EAST ON PASEO DEL NORTE 3.8 MILES TO BROWNING ST. AND THE STATION IS ON THE LEFT.
X = 420,720.10 Y = 1,518,901.78 Z = 5834.10

- LEGEND**
- PROPERTY LINE
 - EXISTING UTILITY LINE
 - EXISTING CONTOUR
 - NEW SPOT ELEVATION
 - RETAINING WALL
 - NEW CURB AND GUTTER
 - DRAINAGE AREA
 - FINISHED PAD ELEVATION
 - OUTLINE BUILDING PAD

- GENERAL NOTES**
1. All construction for this grading and drainage plan shall conform to City of Albuquerque Standard Specifications for Public Works Construction, issue in effect at time of construction.
 2. All elevations are finished elevations. Where elevation is accompanied by (I), elevation is "inside", & for (O), elevation is "outside".
 3. All pads are to be compacted to 95% ASTM D 1557.
 4. All new storm drain manholes are to be 8'-0" diameter, Type 'E'.
 5. All storm drain pipe shall be Class III RCP.
 6. Off-site flows of 39 cfs (Q100) enter the site as shown.
 7. See sheet 3 for wall details.
 8. 4' high Rock Garden wall shall be constructed atop the Retaining Wall along the entire West & North boundaries of the subdivision. On the West boundary, the garden wall shall extend around the Southwest corner of the subdivision to the intersection with the "Emergency Entrance" to the subdivision.
 9. Zane M. Goodwin, P.E.L.S. performed a field investigation 11/02/92. no grading, filling or excavation has been performed subsequent to preparation of topography map as shown.
 10. Design as shown is based upon calculations sealed & dated 11/23/92.
 11. 4' high garden wall or fence shall be constructed adjacent to perimeter walls.

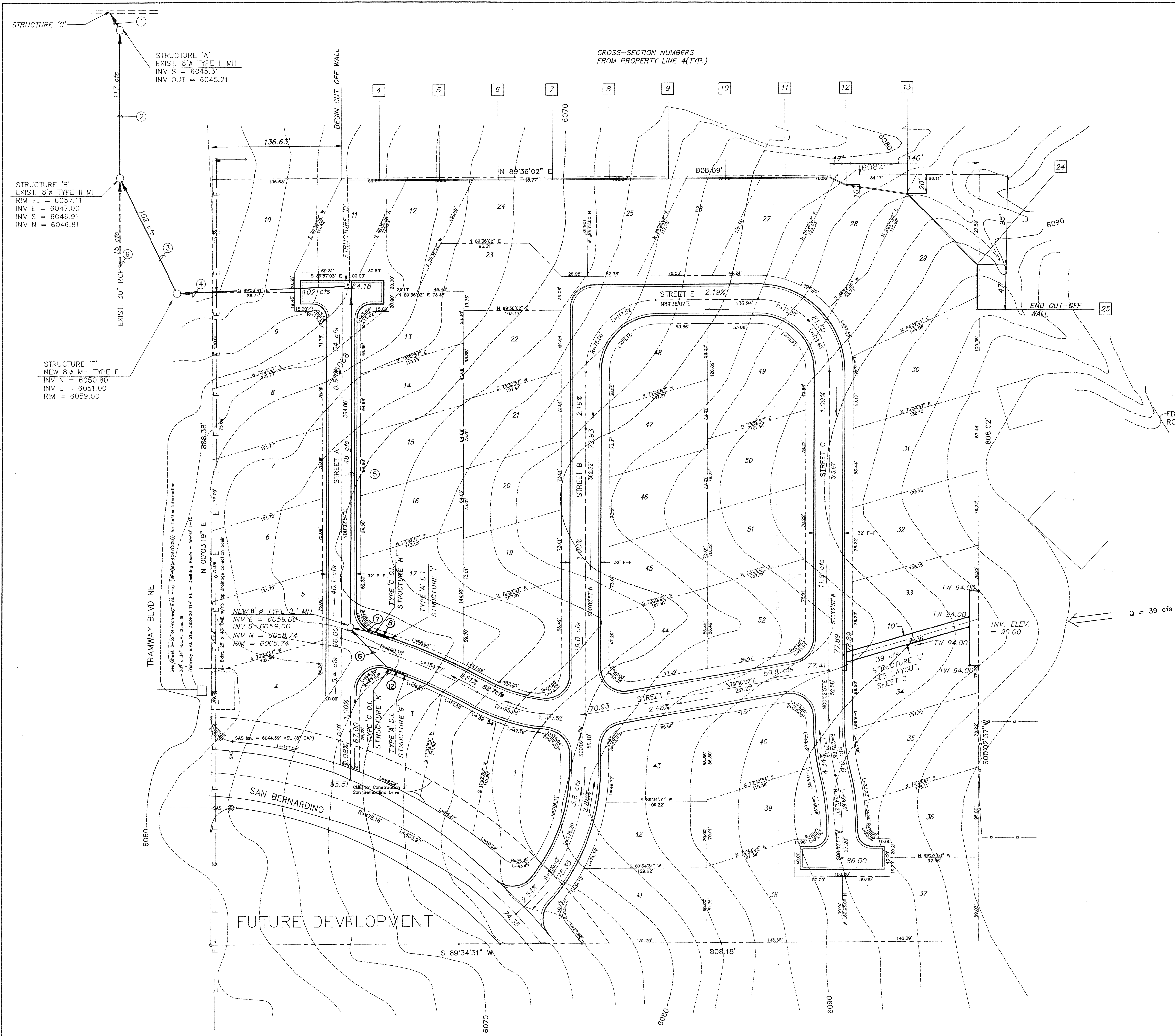
MORGAN SUBDIVISION
GRADING PLAN

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

Designed: ZMG	Drawn: JMB	Checked: ZMG	Sheet 1 of 4
Scale: 1"=50'	Date: 11/92	Job: 9224	

[Signature]
12/12/92
2/8/93

SCALE: 1"=50'
MSD\MORGANG

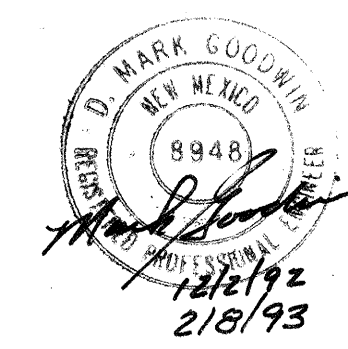
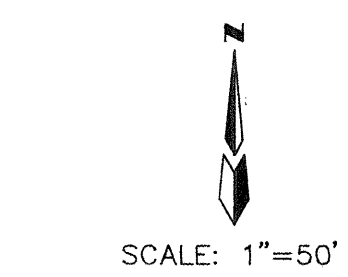


STORM DRAIN PIPE SCHEDULE

- 1 NEW 42" RCP, CLASS III, 22 LF (APPROX.). INV UP = 6045.21 INV DN = 6045.00 REMOVE EXISTING 30" RCP.
- 2 NEW 48" RCP, CLASS III, 156 LF (APPROX.). INV UP = 6046.81 INV DN = 6045.31 REMOVE EXISTING 30" RCP.
- 3 NEW 42" RCP, CLASS III, 140 LF (APPROX.). INV UP = 6050.80 INV DN = 6047.85
- 4 NEW 42" RCP, CLASS III, 170 LF (APPROX.). INV UP = 6055.00 INV DN = 6051.00
- 5 NEW 42" RCP, CLASS III, 353 LF (APPROX.) INV UP = 6058.74 INV DN = 6056.17
- 6 NEW 24" RCP, CLASS III, 56 LF (APPROX.) INV UP = 6060.25 INV DN = 6059.00
- 7 NEW 24" RCP, CLASS III, 22 LF (APPROX.). INV UP = 6060.00 INV DN = 6059.00
- 8 NEW 18" RCP, CLASS III, 12 LF (APPROX.). INV UP = 6061.00 INV DN = 6060.30
- 9 10 11 EXISTING PIPES
- 12 NEW 18" RCP, CLASS III, 12 LF (APPROX.) INV UP = 6061.25 INV DN = 6060.55
- 13 NEW 42" RCP CLASS III, 200 L.F. (APPROX.) INV. OUT= 6064.00 INV. IN= 6064.26

STRUCTURE SCHEDULE

- A EXISTING 8" SD MH INCREASE O/L PIPE SIZE FROM 30" TO 42" INCREASE I/L PIPE SIZE FROM 30" TO 48"
- B EXISTING 8" SD MH INCREASE O/L PIPE SIZE FROM 30" TO 48" ADD NEW I/L EAST, 42"Ø, INV = 6047.85
- C EXISTING 30" PIPE PENETRATION IN EXISTING BOX CULVERT, INCREASE TO 42".
- D 1 - DBL 'D' & 1 - DBL 'C' INLETS, 7'-9"x6'-8" OVERALL GRATE ELEV = 6064.18 IN ELEV = 6054.80 I/L ELEV = 6056.17 O/L ELEV = 6055.00
- E NEW 8" TYPE 'E' MH INV = 6058.74 RIM = 6065.74
- F NEW 8" TYPE 'E' MH INV N = 6050.80 INV E = 6051.00 RIM = 6059.00 (APPROX.)
- G NEW TYPE 'A' D.I. (SGL). GR. ELEV = 6067.67 INV ELEV = 6064.75
- H NEW TYPE 'C' D.I. (SGL). GR. ELEV = 6066.22 INV ELEV = 6064.50
- I NEW TYPE 'A' D.I. (SGL). GR. ELEV = 6066.49 INV ELEV = 6064.75
- J NEW CONCRETE INTAKE STRUCTURE
- K NEW TYPE 'C' D.I. (SGL). GR. ELEV = 6066.68 INV ELEV = 6064.50



MORGAN SUBDIVISION

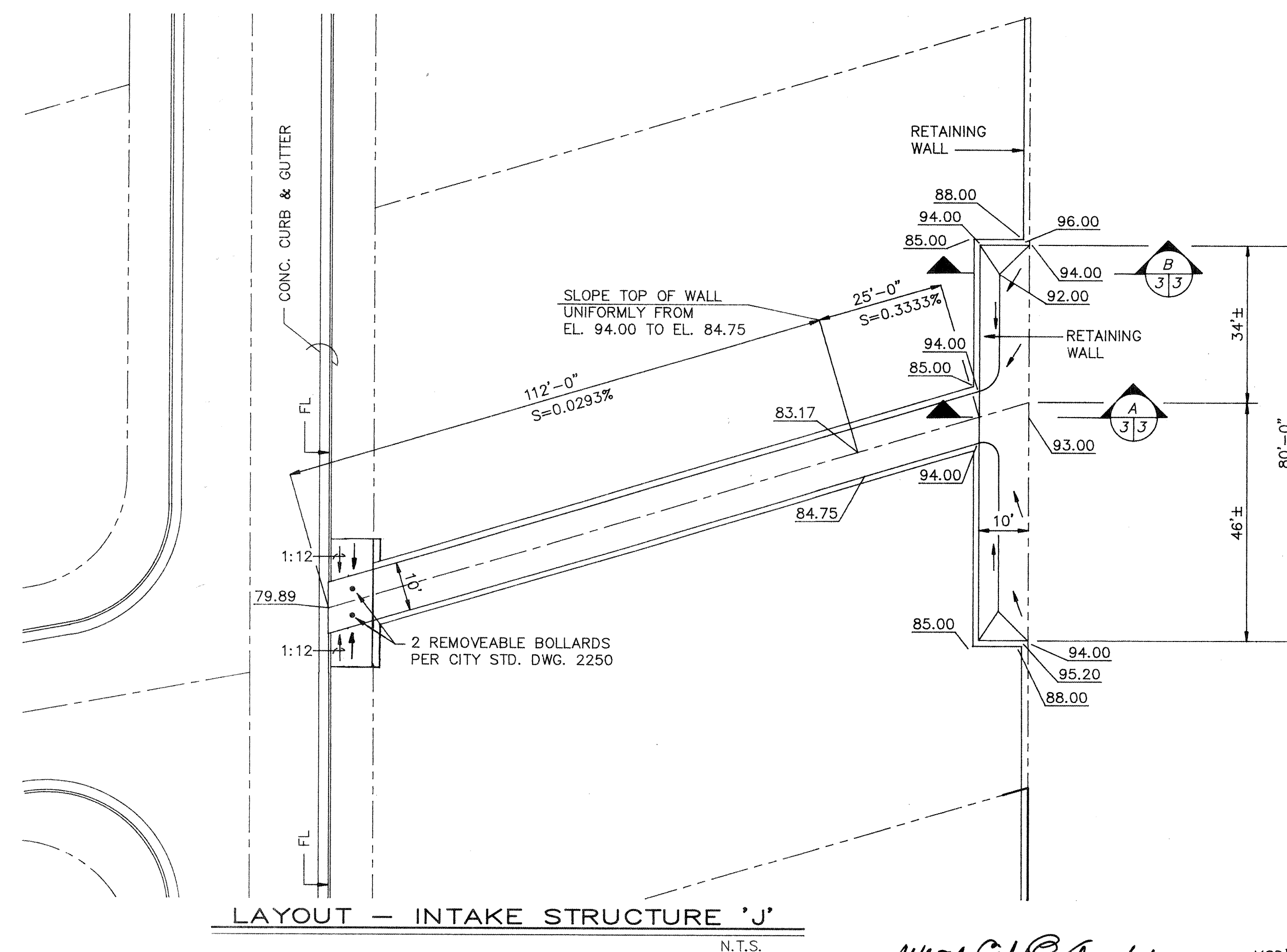
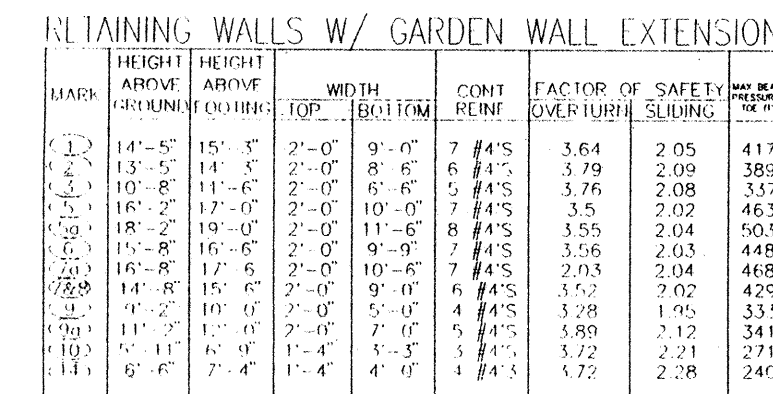
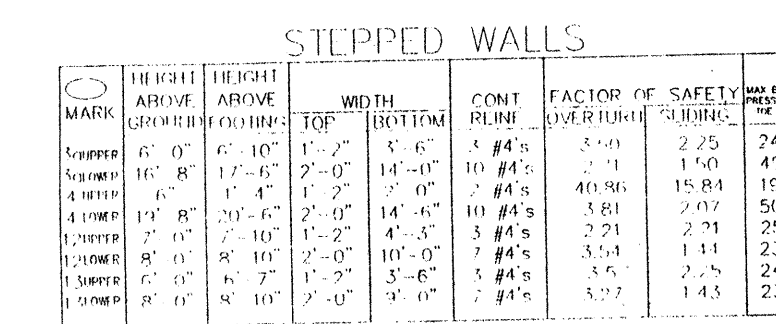
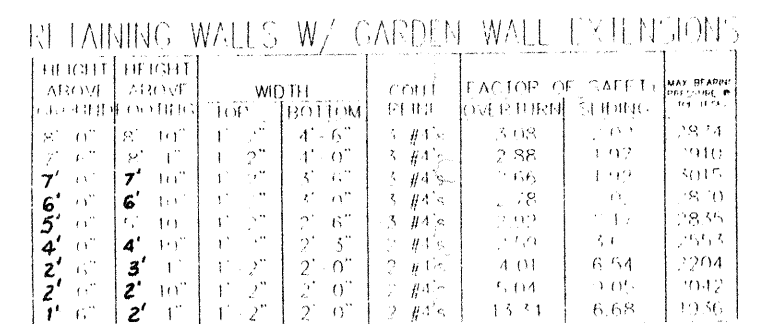
DRAINAGE PLAN

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

Designed: ZMG	Drawn: STAFF	Checked: ZMG	Sheet 2 of 4
Scale: 1"=50'	Date: 8/92	Job: 9224	

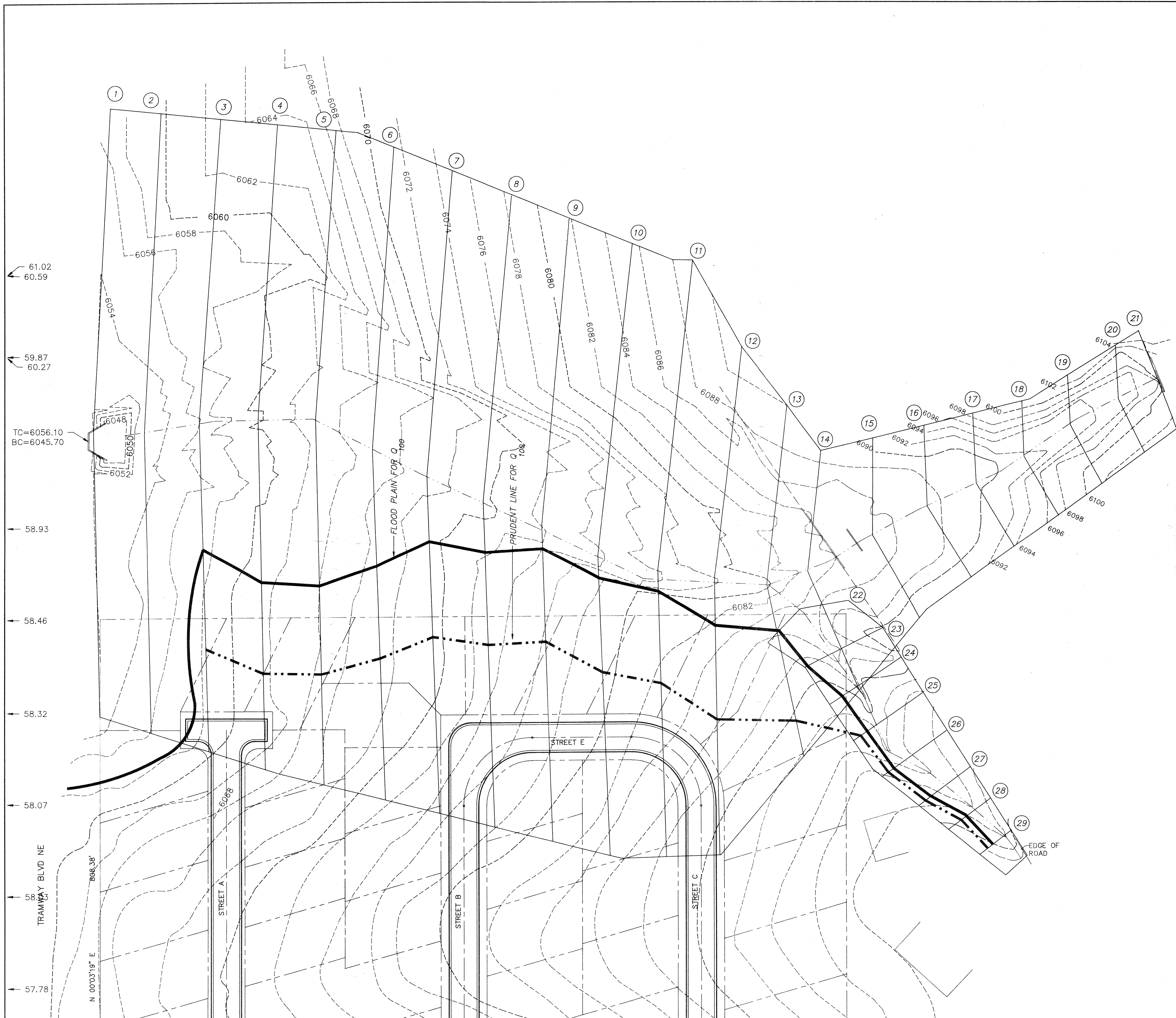
AMPA City/Pl. Com 4/12/93

MORGAND



dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
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Designed: <i>ZMG</i>	Drawn: <i>STAFF</i>	Checked: <i>ZMG</i>	Sheet <i>3</i> of <i>4</i>
Scale: <i>AS SHOWN</i>	Date: <i>8/92</i>	Job: <i>9224</i>	



N
SCALE: 1"=50'

Mark Goodwin
12/2/92
2/8/93

FLOOD PLAIN AND PRUDENT LINE

NORTH BRANCH - SOUTH DOMINGO BACA ARROYO

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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Designed: JMM	Drawn: STAFF	Checked: ZMG	Sheet 4 of 4
Scale: 1"=50'	Date: 8/92	Job: 9224	

AMAFCA 2/12/93

MSD\MORNEW