

LEGEND

—	EXISTING CONTOUR
—08—	PROPOSED CONTOUR
x 09.20	EXISTING SPOT ELEVATION
+ 8.70	PROPOSED SPOT ELEVATION
8.90 8.40	PROPOSED TC ELEVATION FL
.....	PROPOSED SWALE
- - -	PROPERTY BOUNDARY
INV=7.99	TRENCH DRAIN INVERT
- - -	EASEMENT BOUNDARY



SCALE:
1"=20'

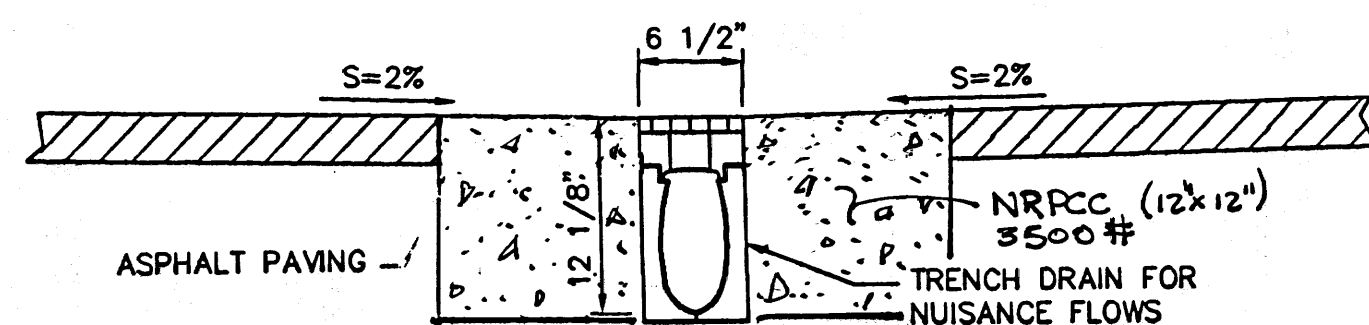
LAND DIVISION PLAT
LARDNER TRACT
FILED: 01/03/74 IN
VOL. B9, FOLIO 24.

(N 00° 00' 10" E PLAT)
N 00° 02' 36" E MEAS.
384.38" PLAT

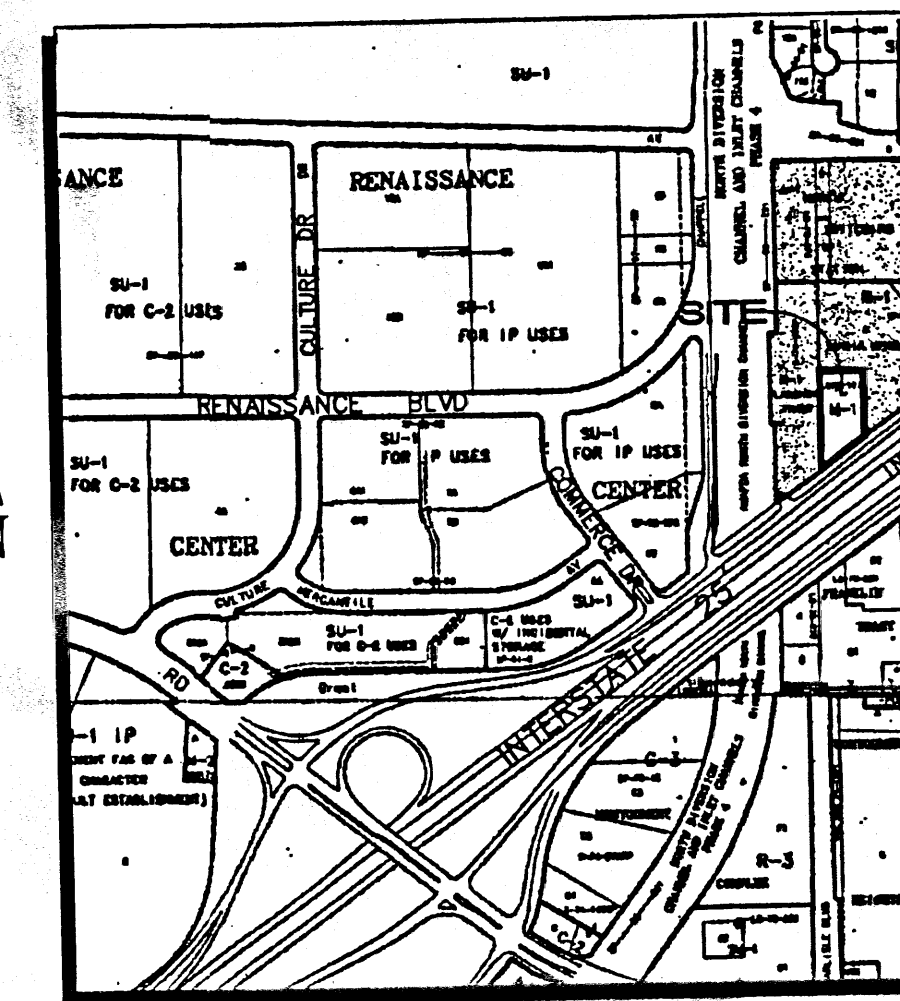
30' SOUTHERN UNION GAS COMPANY ESMT.
FILED: 11/03/55 IN
VOL. D-332, FOLIO 99.

(N 00° 00' 10" E PLAT)
N 00° 06' 29" E MEAS.
258.13' MEAS.
257.95' PLAT

54.0' PUBLIC SERVICE ESMT.
FILED: 02/08/96 IN VOL. 96-4,
FOLIO 2640-2641.



SECTION A-A
1"=1'



VICINITY MAP
1"=750'±

LEGAL DESCRIPTION: A PORTION OF LANDS OF JOSEPH MILAKOVICH

AREA: 0.89 AC
38765.33 SF

BENCHMARK: NDC-14, ELEV=5105.3
LOCATED AT THE WEST FRONTAGE ROAD TO I-25 BRIDGE OVER THE AMAFCA NORTH DIVERSION CHANNEL.

FLOOD ZONE DESIGNATION: NO PORTION OF THIS SITE LIES WITHIN A FLOOD PLAIN AS DESIGNATED ON PANEL #138 OF 825 OF THE FEMA FLOOD INSURANCE RATE MAP DATED SEPTEMBER 20, 1996.

EXISTING CONDITIONS:

THE SITE PRESENTLY HAS NUMEROUS PORTABLE STORAGE BUILDINGS AND ONE PERMANENT BUILDING (LOCATED ALONG THE NORTH PROPERTY BOUNDARY) WHICH ARE PLANNED TO BE DEMOLISHED. THE REMAINDER OF THE SITE IS HARD PACKED SOIL WITH NO NATIVE VEGETATIVE COVER.

MOST OF THE LAND SLOPES FROM THE SOUTHEAST TO THE NORTHWEST AT APPROXIMATELY 1.5%. OFFSITE FLOWS FROM THE UNDEVELOPED LAND TO THE EAST ALSO FOLLOW THIS FLOW PATTERN (REFER TO THE ATTACHED OFFSITE BASIN MAP). A SMALL PORTION OF THE SITE (0.06 AC) FLOWS SOUTH INTO AN EXISTING BAR DITCH WHICH RUNS PARALLEL TO THE I-25 FRONTAGE ROAD. THE BAR DITCH DISCHARGES TO AN EXISTING SUMP INLET AND 24" DIA. CMP PIPE FOR CONVEYANCE TO THE AMAFCA NORTH DIVERSION CHANNEL.

EXISTING HYDROLOGY:

PRECIPITATION ZONE: 2

LAND TREATMENT: 30% D, 70% C

BASIN NORTH: A=0.83 AC
Qp=0.83(0.7(3.14) + 0.3(4.70)) = 2.99 CFS

BASIN SOUTH: A = 0.06 AC
Qp = 0.06((0.7(3.14) + 0.3(4.70)) = 0.22 CFS

BASIN OFFSITE: A = 1 AC
LAND TREATMENT: 100% A
Qp = (1.03)(1.56) = 1.57 CFS

PROPOSED CONDITIONS:

THE SITE IS PLANNED TO BE DEVELOPED WITH A SINGLE COMMERCIAL BUILDING AND PARKING AREA. IT WILL BE REGRADED TO DIRECT ALL SITE FLOWS TOWARD THE I-25 FRONTAGE ROAD. THE CONTRIBUTING OFFSITE FLOWS WILL BE ALLOWED TO ENTER THE SITE ALONG THE EASTERN BOUNDARY AND WILL THEN BE RE-DIRECTED TOWARD THE FRONTAGE ROAD.

PER THE APPROVED DRAINAGE REPORT FOR FUDDRUCKERS (F171071), THE EXISTING SWALE DEPTH ALONG THE FRONTAGE ROAD IS 2 FEET. THE EXISTING FLOWS WITHIN THE SWALE (FROM THE STREET AND FUDDRUCKERS SITE) TOTAL 14.96 CFS. THE EXISTING INLET HAS A CAPACITY OF 92.4 CFS, AND THE 24" CMP CONNECTOR TO THE AMAFCA NORTH DIVERSION CHANNEL CAN CONVEY 20.92 CFS.

ONCE THE SITE IS DEVELOPED, THE TOTAL ADDITIONAL FLOWS TO THE SWALE WILL EQUAL 5.4 CFS. THIS BRINGS THE SWALE FLOWS TO A TOTAL OF 20.14 CFS. SINCE THE INLET CAPACITY AND CONNECTOR PIPE CAPACITY ARE LARGER THAN THE DEVELOPED FLOW, IT IS RECOMMENDED THAT THE SITE BE ALLOWED FREE DISCHARGE TO THE I-25 FRONTAGE ROAD.

PROPOSED HYDROLOGY:

PRECIPITATION ZONE: 2
LAND TREATMENT: 80% D, 10% B, 10% C
Qpsite = 0.89(0.10(2.28) + 0.10(3.14) + 0.80(4.70)) = 3.83 CFS
QpTOTAL = Qpsite + QpOFFSITE = 3.83 + 1.57 = 5.4 CFS

KEYED NOTES

- EXISTING BUILDING TO BE DEMOLISHED.
- REMOVE & DISPOSE OF CONCRETE PADS.
- 6" CONCRETE HEADER WALL PER COA STD. DWG #2415.
- TRENCH DRAIN (POLYCAST #523 OR EQUIVALENT) S=1.65%
- EXISTING POWER POLES TO BE REMOVED AND RELOCATED.
- 2' CURB OPENING, W/ LANDSCAPED COBBLE (RECESSED) FOR EROSION CONTROL.
- 3.35' LANDSCAPE EASEMENT.
- 4" PIPE DRAIN (INV.=T.A.-0.1')
- PCC DRAINAGE RUNDOWN (FACE-TO-FACE)

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87102
068GRD.DWG 11/19/99

RECEIVED
DEC 06 1999
HYDROLOGY SECTION

job title
DICKY'S BARBECUE
PAN AMERICAN FRWY NE
ALBUQUERQUE, NM
PROJECT MANAGER
NICK PIRKL
sheet title
GRADING & DRAINAGE PLAN

job no
99012
date
11/10/99
by

de la torre architects, p.a.
2400 Louisiana Blvd NE
Building 3 Suite 110
Albuquerque NM 87110 505-883-7918

sheet
C2
of

START DATE 10/20/99

LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPOSED TC ELEVATION
	PROPOSED FL ELEVATION
	PROPOSED SWALE
	PROPERTY BOUNDARY
	TRENCH DRAIN INVERT
	EASEMENT BOUNDARY

SCALE:
1"=20'

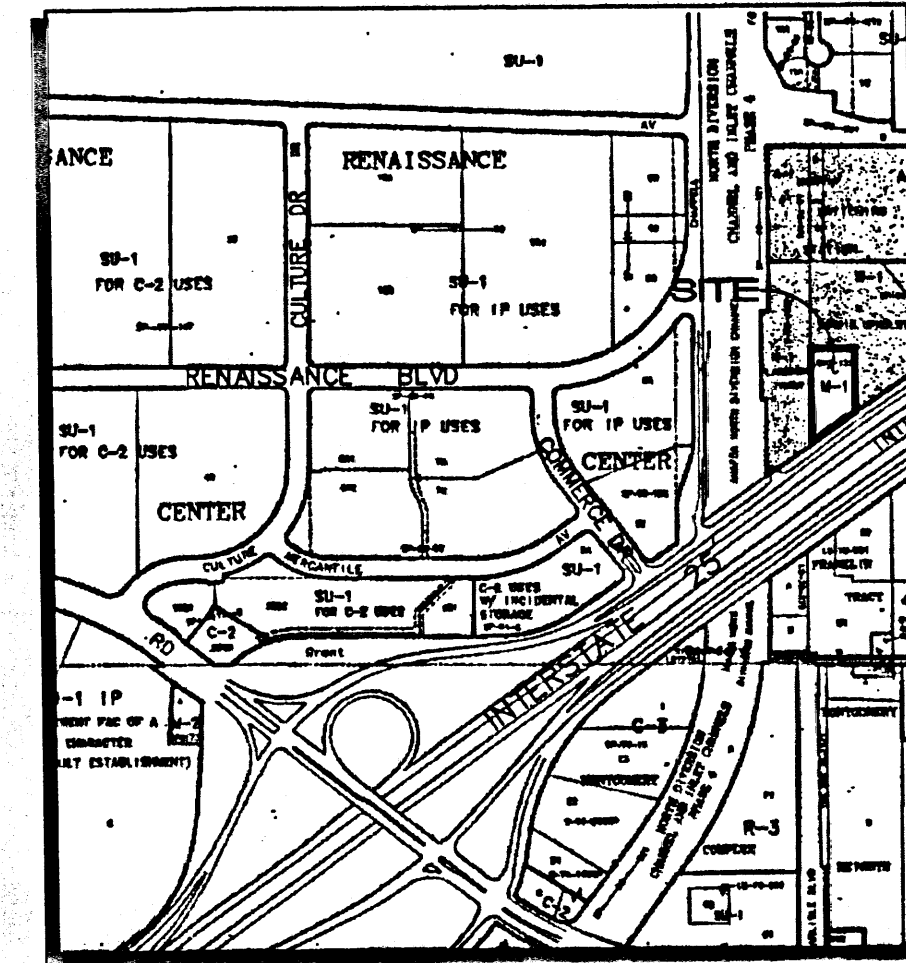
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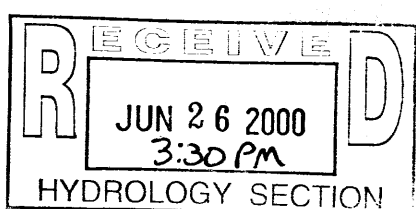
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Q_{TOTAL} = Q_P SITE + Q_P OFFSITE = 3.83 + 1.57 = 5.4 CFS



INTERSTATE
(PAN AMERICAN FREEWAY)

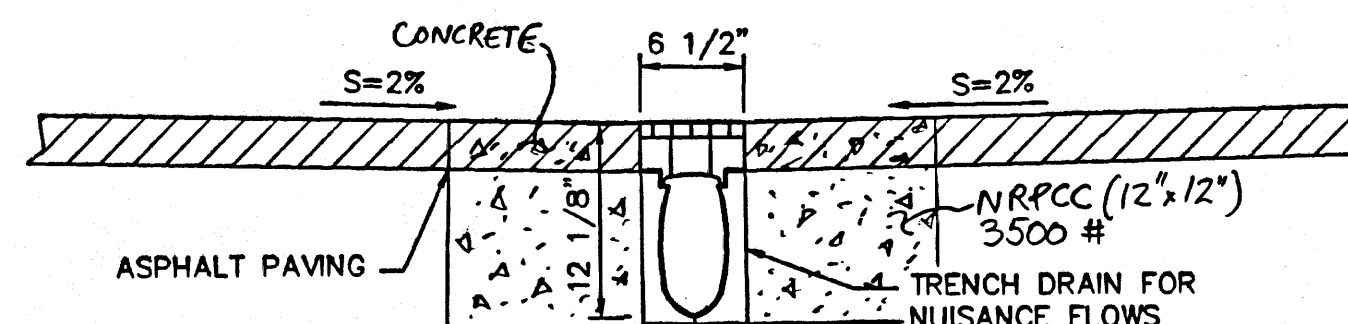
25

OVERHEAD POWER LINES

ENGINEER'S CERTIFICATION

I, Fred C. Arfman, licensed under the laws of the State of New Mexico, do hereby certify that this project was constructed in substantial compliance with the approved Grading & Drainage Plan dated 11/19/99 for the Dickey's Barbecue project, on file with the Hydrology Division, P.W.D., City of Albuquerque (F16/D19). As-built information was field verified by AM Survey Co., NMLS No. 13240, on June 20, 2000, in accordance with the New Mexico Engineering and Surveying Act, through 61-23-32 NMSD (1978).

Fred C. Arfman, NMPE No. 7322 Date 06/26/00



SECTION A-A
1"=1"

KEYED NOTES

- EXISTING BUILDING TO BE DEMOLISHED.
- REMOVE & DISPOSE OF CONCRETE PADS.
- 6" CONCRETE HEADER WALL PER COA STD. DWG #2415.
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- 4" PIPE DRAIN (INV.=T.A.-0.1')
- PCC DRAINAGE RUNDOWN (FACE-TO-FACE)

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87102
0686RD.DWG 11/19/99

Job title
DICKEY'S BARBECUE
PAN AMERICAN FRWY NE
ALBUQUERQUE, NM
PROJECT MANAGER
NICK PIRKL
sheet title
GRADING & DRAINAGE PLAN

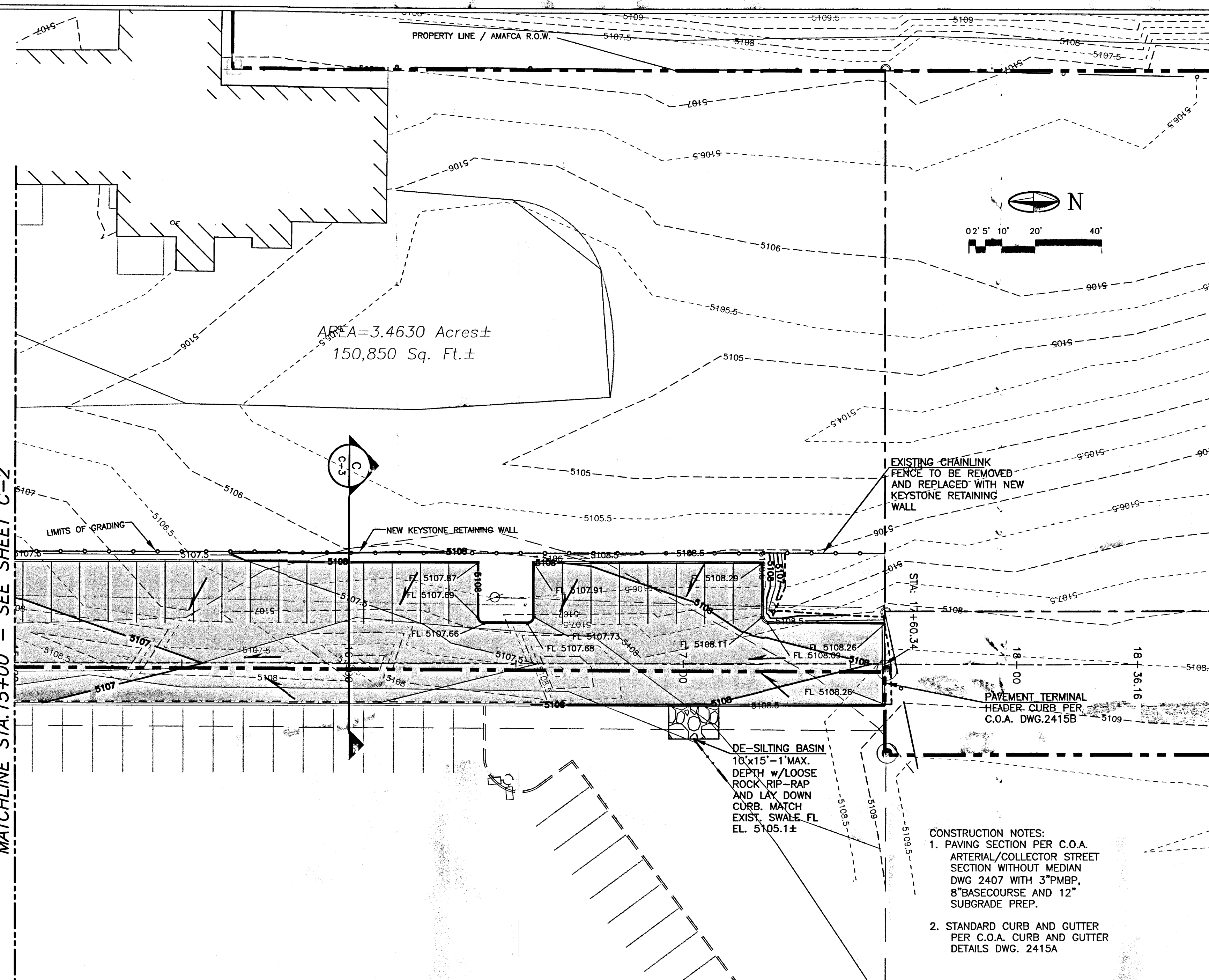
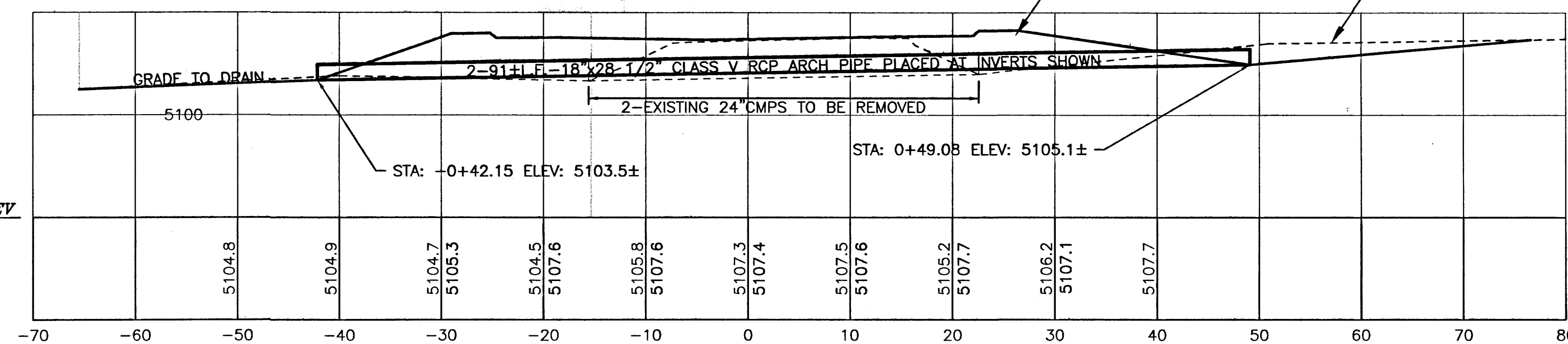
FRED C. ARFMAN
STATE OF NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
11/19/99

de la torre architects, p.a. llc
2400 Louisiana Blvd NE
Building 3 Suite 110
Albuquerque NM 87110 / 505.883.7918

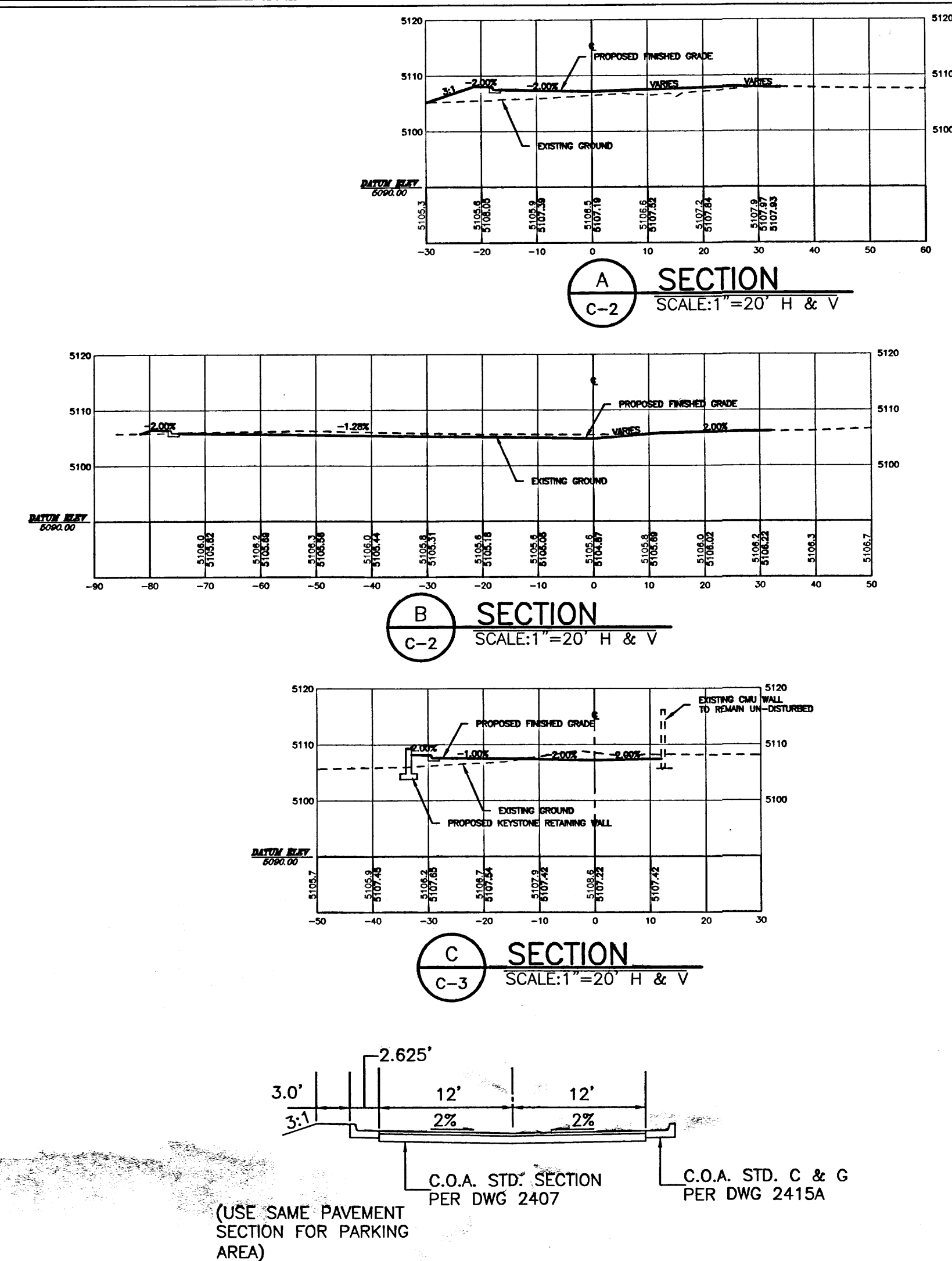
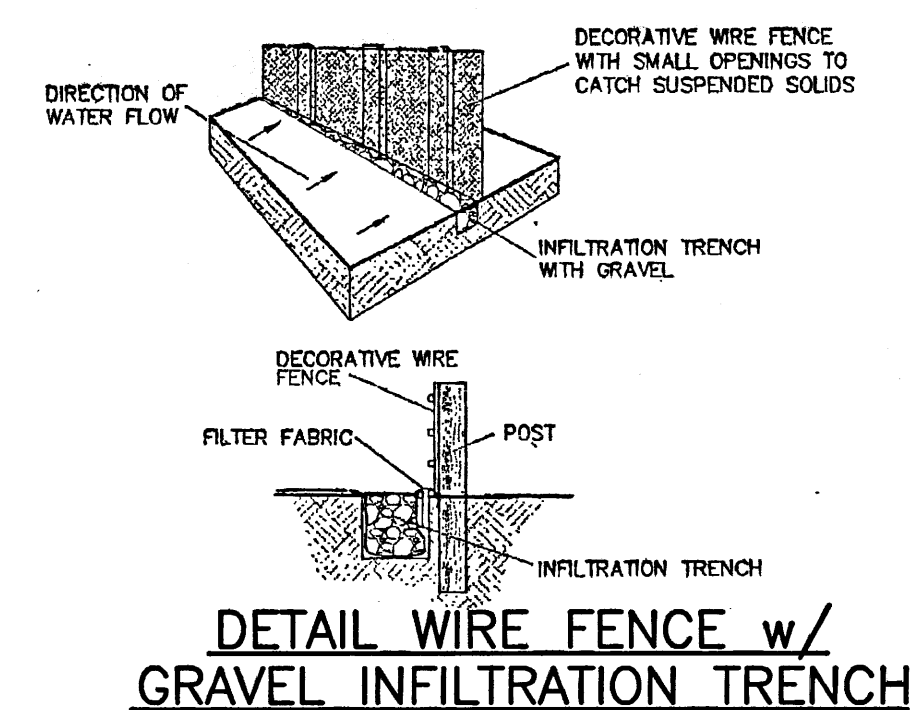
sheet-
C2
of-

START DATE: 10/20/99

MATCHLINE STA.15+00 - SEE SHEET C-2

DATUM ELEV
5090.00STRUCTURE PLACEMENT SECTION - SEE SHEET C-001
SCALE:1"=10' H & V

- CONSTRUCTION NOTES:
1. PAVING SECTION PER C.O.A. ARTERIAL/COLLECTOR STREET SECTION WITHOUT MEDIAN DWG 2407 WITH 3" PMBP, 8" BASECOURSE AND 12" SUBGRADE PREP.
 2. STANDARD CURB AND GUTTER PER C.O.A. CURB AND GUTTER DETAILS DWG. 2415A

TYPICAL PAVEMENT SECTION
SCALE:1"=10'

NOTE:
THE CONTRACTOR SHALL
CONTACT THE AMAFCA
FIELD ENGINEER AT 505-
884-2215 PRIOR TO START
OF CONSTRUCTION WITHIN
THE AMAFCA RIGHT-OF-WAY.

LEGEND

- FL 5106.69 — PROPOSED FLOWLINE OF CURB ELEVATION (UNLESS OTHERWISE NOTED)
- 5107.5 — EXISTING 1' CONTOUR w/ELEVATION
- 5108 — PROPOSED 0.5' CONTOUR w/ELEVATION
- 5108 — PROPOSED 1' CONTOUR w/ELEVATION
- NEW ACCESS ROAD AND PARKING AREA

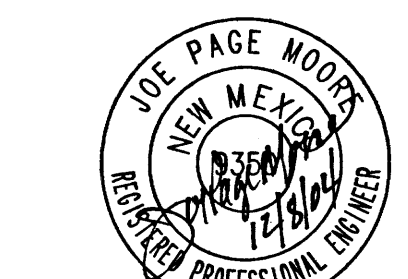
NOTE:
TOPOGRAPHIC AND BOUNDARY SURVEY
FURNISHED BY OTHERS.

GRADING PLAN
AND
MISCELLANEOUS SECTIONS

ACCESS ROAD AND PARKING AREA IMPROVEMENTS
ROCKY MOUNTAIN STONE COMPANY
ALBUQUERQUE, NEW MEXICO

C-3

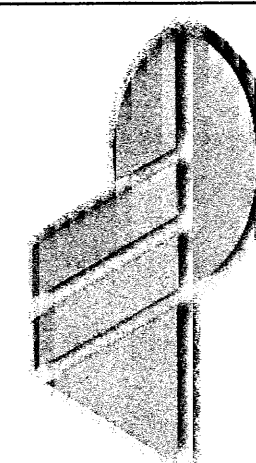
SHEET



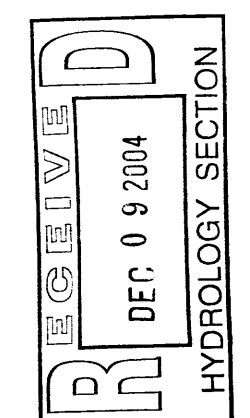
DEC. 08, 2004

REV. NO.	REV. DATE	DESCRIPTION
1	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
2	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
3	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
4	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
5	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
6	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
7	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
8	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
9	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN
10	10/21/04	REVISED GRADING AND PAVING PLAN TO REFLECT CHANGES TO THE PLAN

PROJECT NUMBER: DELO41-11
DESIGNED BY: J. LOVATO
DRAWN BY: J. LOVATO
CHECKED BY: J. MOORE
PROJ. ENG: J. MOORE
PROJECT DATE: OCTOBER, 2004

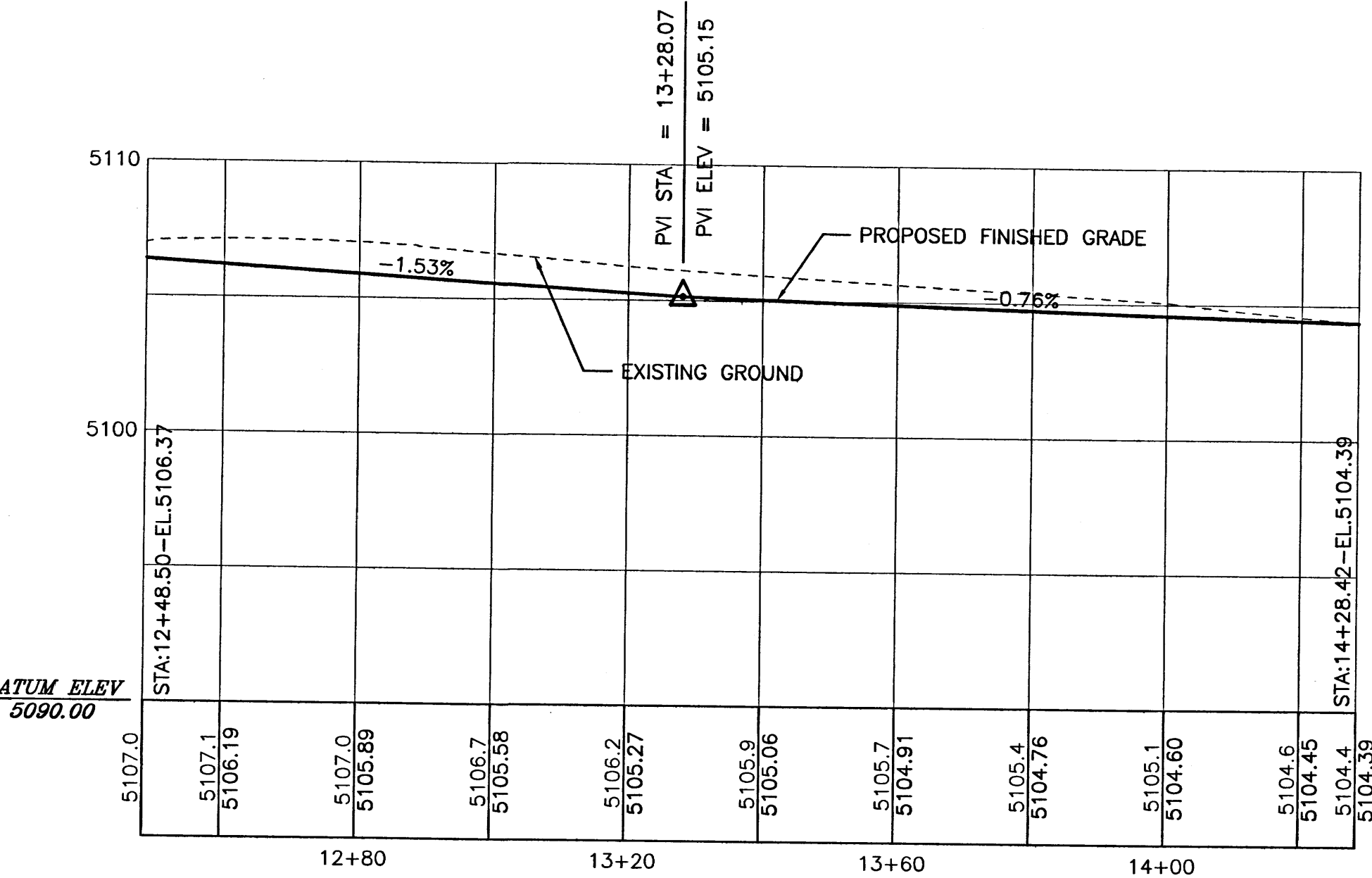


Molzen-Corbin & Associates
2701 Miles Road S.E.
Albuquerque, New Mexico 87106
Phone (505) 242-0673
Fax (505) 242-0673

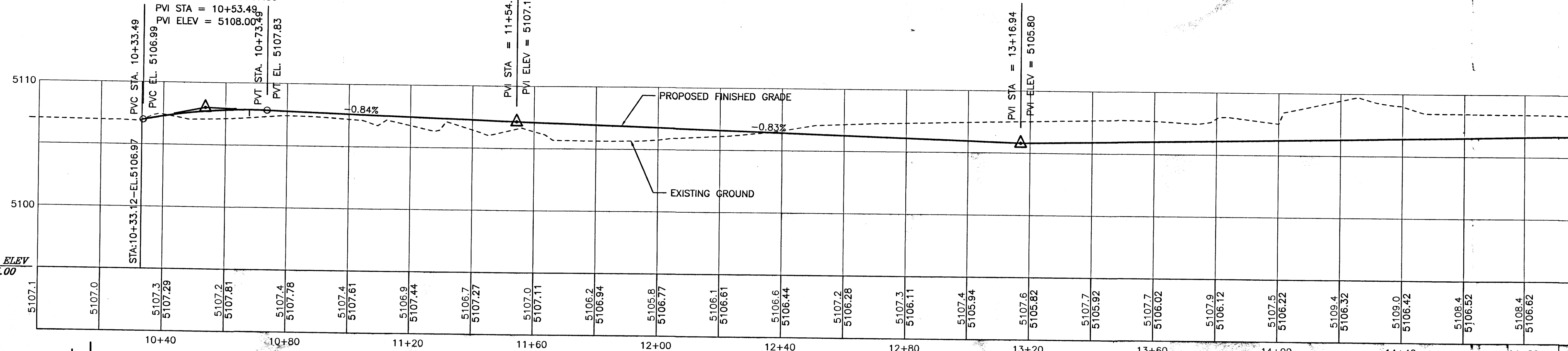


DEC. 08, 2004
HYDROLOGY SECTION

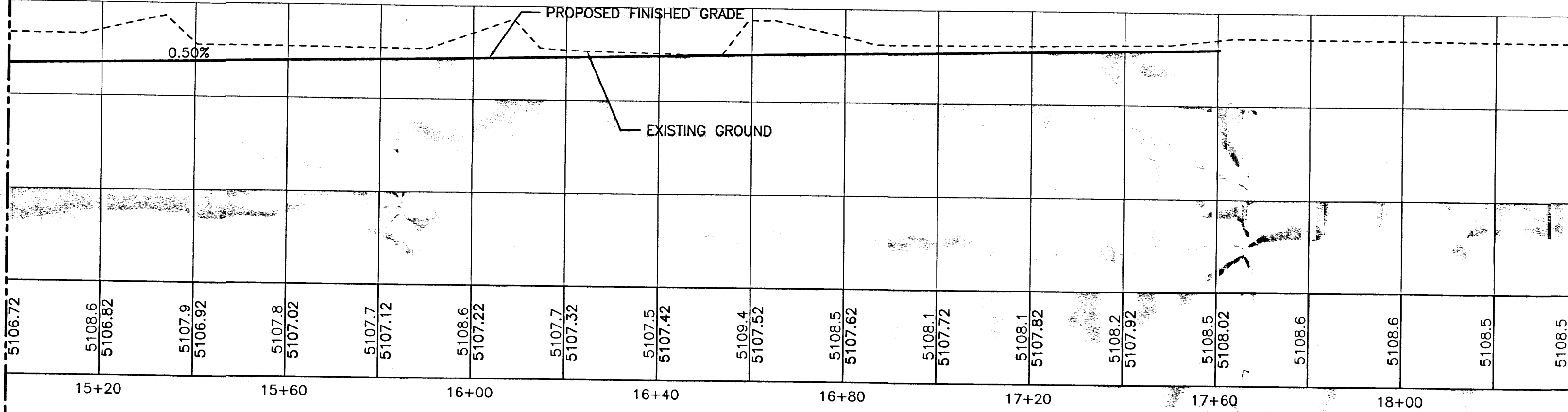
MATCHLINE STA. 15+00 - SEE THIS SHEET ABOVE



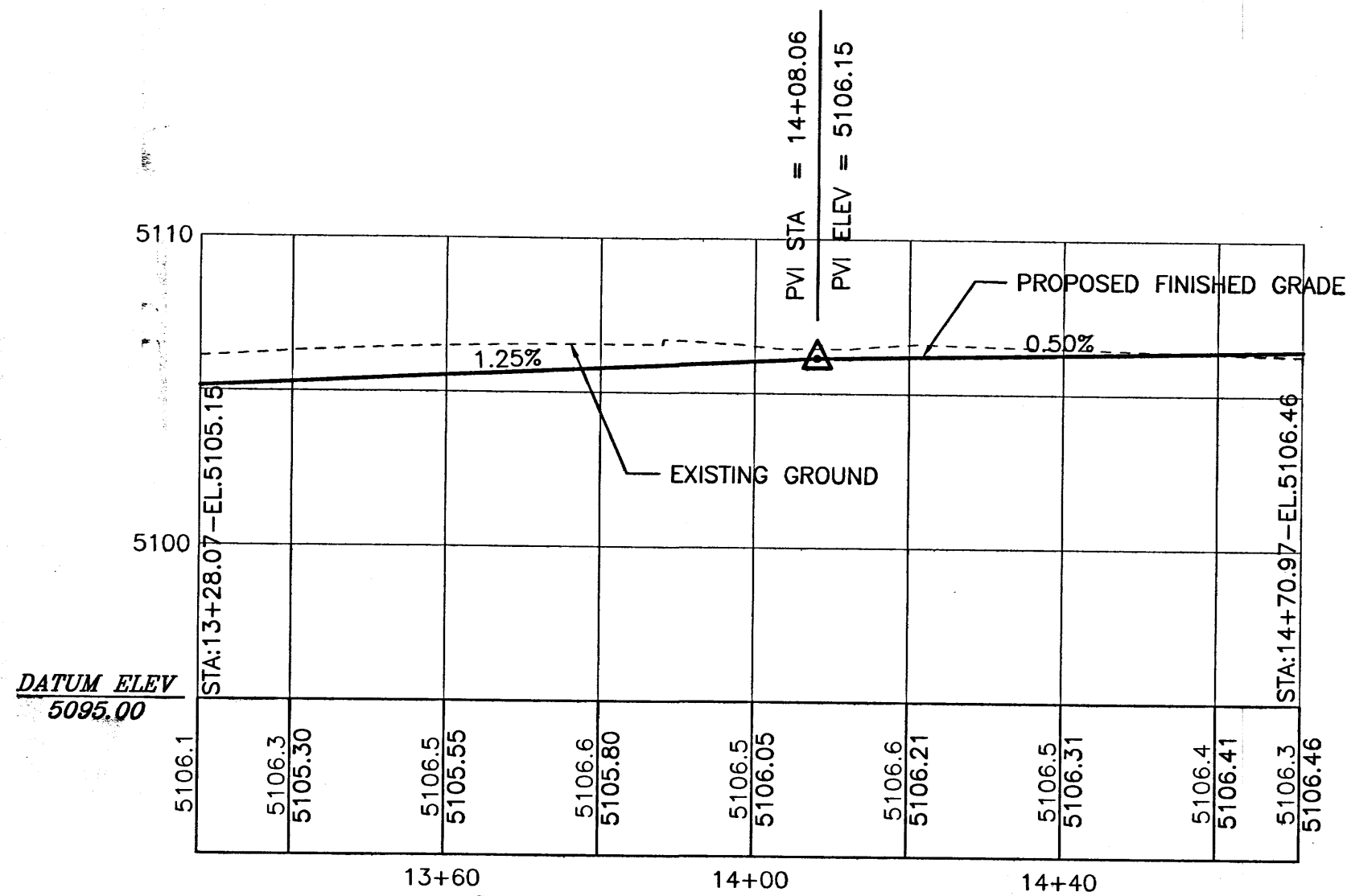
ACCESS ROAD PROFILE - EAST SIDE OF OFFICE



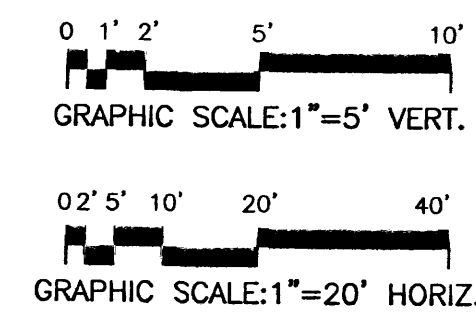
ACCESS ROAD PROFILE



ACCESS ROAD PROFILE (CONTINUED)



ACCESS ROAD PROFILE - NORTH SIDE OF OFFICE



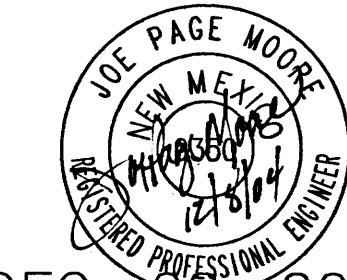
MATCHLINE STA. 15+00 - SEE THIS SHEET BELOW

CENTERLINE PROFILES

ACCESS ROAD AND PARKING AREA IMPROVEMENTS
ROCKY MOUNTAIN STONE COMPANY
ALBUQUERQUE, NEW MEXICO

C-4

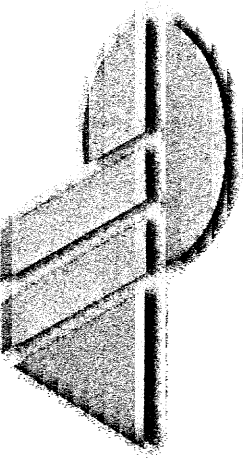
SHEET



DEC. 08, 2004

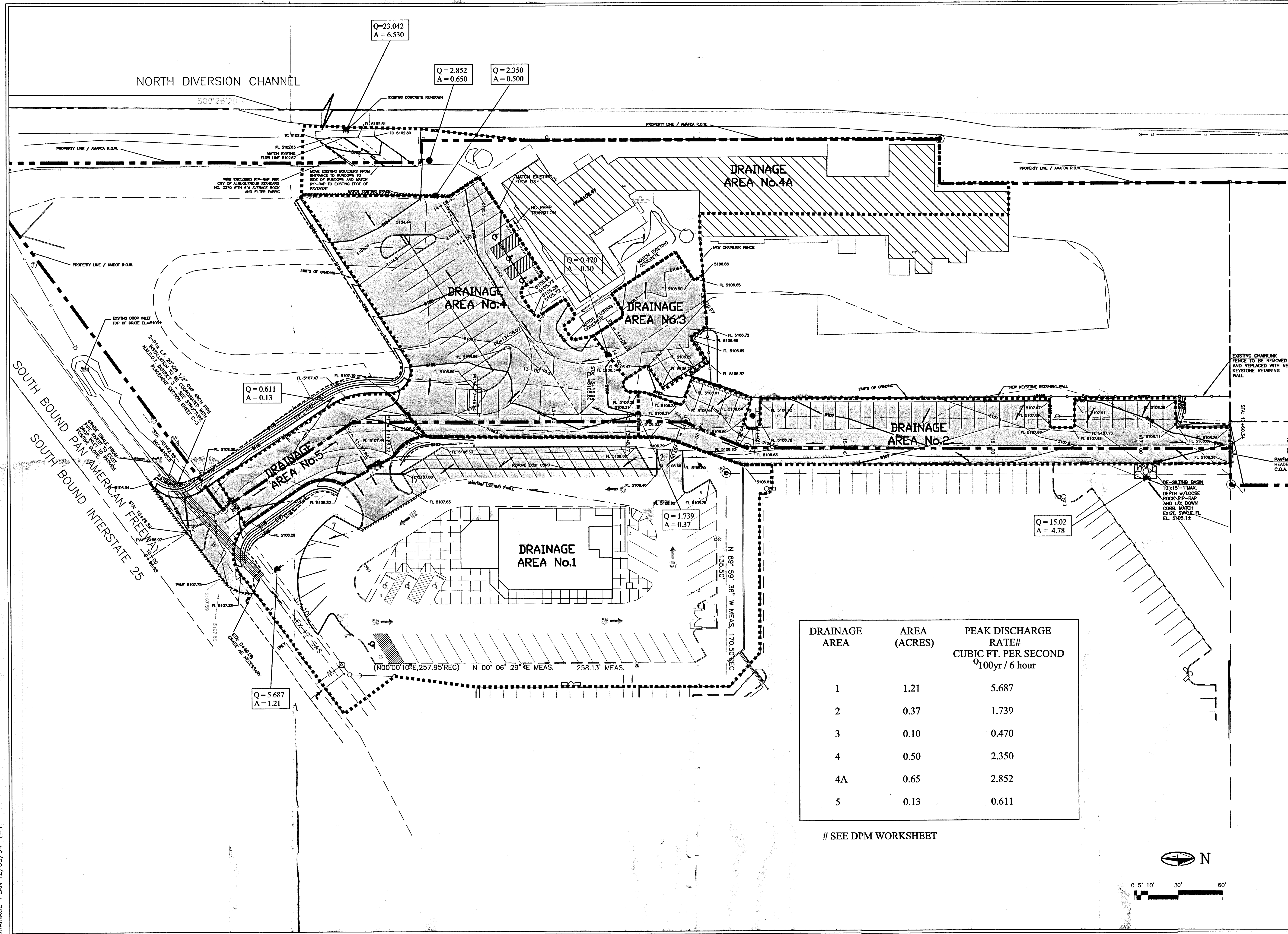
REV. NO.	DATE	DESCRIPTION
1	10/21/04	REVISIONS
2		
3		
4		
5		
6		
7		
8		
9		
10		

PROJECT NUMBER:	DELO41-11
DESIGNED BY:	J. L. MOORE
DRAWN BY:	J. L. MOORE
CHECKED BY:	J. L. MOORE
PROJ. ENG.:	J. L. MOORE
PROJECT DATE:	OCTOBER, 2004



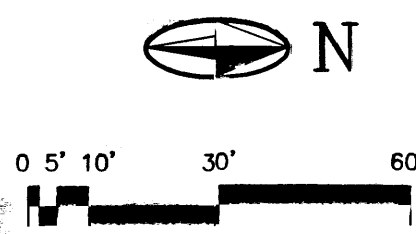
Rocky Mountain Stone Company
2701 Miles Road S.E.
Albuquerque, New Mexico 87108
Phone: (505) 242-0873
Fax: (505) 242-0873

DEC. 08, 2004
HYDROLOGY SECTION



DRAINAGE AREA	AREA (ACRES)	PEAK DISCHARGE RATE# CUBIC FT. PER SECOND Q _{100yr} / 6 hour
1	1.21	5.687
2	0.37	1.739
3	0.10	0.470
4	0.50	2.350
4A	0.65	2.852
5	0.13	0.611

SEE DPM WORKSHEET

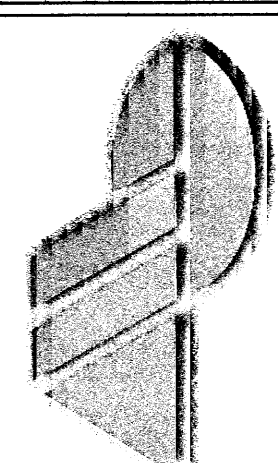


DRAINAGE PLAN

ACCESS ROAD AND PARKING AREA IMPROVEMENTS
ROCKY MOUNTAIN STONE COMPANY
ALBUQUERQUE, NEW MEXICO

REV NO.	DESCRIPTION	DATE
1	REVISED GRADING AND DRAINAGE PLAN BASED ON PLAN OF 10-18-04	10/21/04
DESIGNED BY:	DELOVATO	PROJECT NUMBER: DELO41-11
DRAWN BY:	JLOVATO	
CHECKED BY:	J.MOORE	
PROJ. ENG:	J.MOORE	
PROJECT DATE:	OCTOBER, 2004	





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Albuquerque, New Mexico 87106
Voice (505) 242-5700
Fax (505) 242-0873

MOORE-CORBIN & Associates
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Albuquerque, New Mexico 87106
Voice (505) 242-5700
Fax (505) 242-0873

REVISION
REV: 0 & 2004
HYDROLOGY SECTION