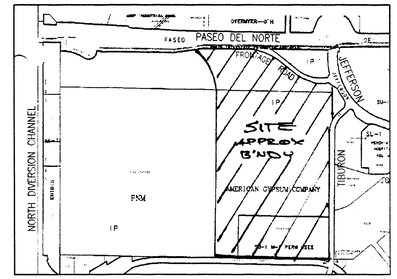
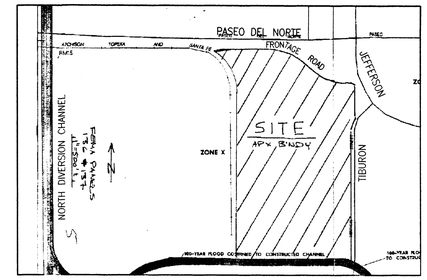
CENTEX AMERICAN GYPSUM
4600 PASEO DEL NORTE N.E. ALBUQUERQUE, NM

GRADING & DRAINAGE
FOR
ADDITIONS & MODIFICATIONS



VICINITY MAP (D17) – NO SCALE



FLOOD ZONE MAP – NO SCALE

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	TITLE SHEET
2	PLAN, OVERVIEW
3	EXISTING CONDITIONS
4	LAYOUT SCHEMATIC
5	PLAN, SOUTH PART OF SITE
6	PLAN, NORTH PART OF SITE
7	PROFILE FOR ONSITE TRUCK ROAD
8	OFFICE ADDITION - TIBURON ST
9	DETAILS
10	PLAN, REVISED FRONTAGE ROAD ENTRANCE & NEW PARKING

LEGEND

TW	TOP OF WALL
INV	INVERT
LP	LIGHT POLE
PP	POWER POLE
T	TELEPHONE
E, EX	EXISTING
TA	TOP OF ASPHALT
TP	TOP OF PAVEMENT
FL	FLOW LINE
TC	TOP OF CURB / CONCRETE
SW	SIDEWALK
FF	FINISHED FLOOR
FG	FINISHED GRADE
EG	EXISTING GRADE
	WATER VALVE
	WATER METER
OR	FIRE HYDRANT
27	NEW CONTOURS
5180 / 5129	EXISTING CONTOURS
	FLOW DIRECTION
	NEW CURB AND GUTTER
	EXISTING CURB AND GUTTER
TC35.36	NEW SPOT ELEVATION
× 34.60	EXISTING SPOT ELEVATION

S.O. 19 APPROVALS FOR WORK IN CITY R.O.W.

APPROVALS	NAME	DATE
A.C.E./HYDROLOGY		
INSPECTOR		
A.C.E./FIELD		

(AT OFFICE ADDITION, 7717 TIBURON N.E.)

GENERAL NOTES

1. An excavation/construction permit will be required before beginning any work within City of Albuquerque right-of-way. An approved copy of these plans must be submitted at the time of application for this permit. See Note 14 for work the the State right-of-way

2. The Contractor shall obtain a Topsoil Disturbance Permit prior to beginning construction.

3. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction, 1986 edition, through Update 6.

4. All construction within City Right-of-Way or Easements must be done from approved Work Order documents from the City.

5. Two working days prior to any excavation, Contractor must contact Line Locating Service (260-1990) for location of existing utilities.

6. All utilities and utility service lines shall be installed prior to paving.

7. All storm drainage facilities shall be installed prior to final acceptance.

8. Prior to construction, the Contractor shall become familiar with the plans, shall excavate and verify the horizontal and vertical locations of all obstructions, and shall verify all slopes and flowline elevations. In the case of a conflict or apparent ommission or oddity the Contractor shall consult with the Engineer immediately, before final layout or construction.

9. Backfill compaction in the City right of way shall be according to the appropriate class of street or road. Backfill in parking lots and driveways shall be as for residential streets unless noted otherwise.

9a. Backfill and compaction for the onsite truck road and other areas subject to traffic from heavy trucks, shall be as per arterial streets unless otherwise noted.

10. WARNING! The Contractor shall be responsible for determining, prior to construction, whether overhead or underground utilities (and/or their support and ancillary structures) are obstructions to construction activities or would be harmed by such activities. If any problem is evident, the Contractor shall be responsible for coordinating with the utilities to have the utility supported, protected, or removed. The Contractor shall be responsible for any cost involved. Underground utility cables (such as for telephone, television, or power) shall be supported at intervals not to exceed 15'.

11. For work involving City Right-of-Way or Easements, the Contractor shall submit a detailed schedule to the City Coordination Division three (3) working days prior to beginning construction, and shall obtain a Barricading Permit two (2) working days prior to construction. The Contractor shall notify the Barricade Engineer (768-2551) prior to occupying an intersection. See City Specifications, Section 19.

12. WARNING! If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist even if they are not shown. The Engineer has undertaken no field verification of such utility lines etc. and the information on which the locations shown are based may be inaccurate, incomplete, or obsolete by the time construction occurs. The Contractor shall inform himself of the locations of such utilities etc. in or near the work before and during excavation and construction. The Contractor shall be fully responsible for any and all damage caused by his failure to locate, indentify, and preserve such utiliites.

13. In planning and conducting excavation and all other construction, the Contractor shall comply with all appropriate laws, rules, and regulations relating to these activities, particulary as regards to all utilities and to safety.

14. Work in the State right-of-way (at entrance from Paseo del Norte South Frontage Road) requires a permit from the New Mexico State Highway & Transportation Dept.

RECEIVED
DEC 0 8 1997
HYDROLOGY SECTION

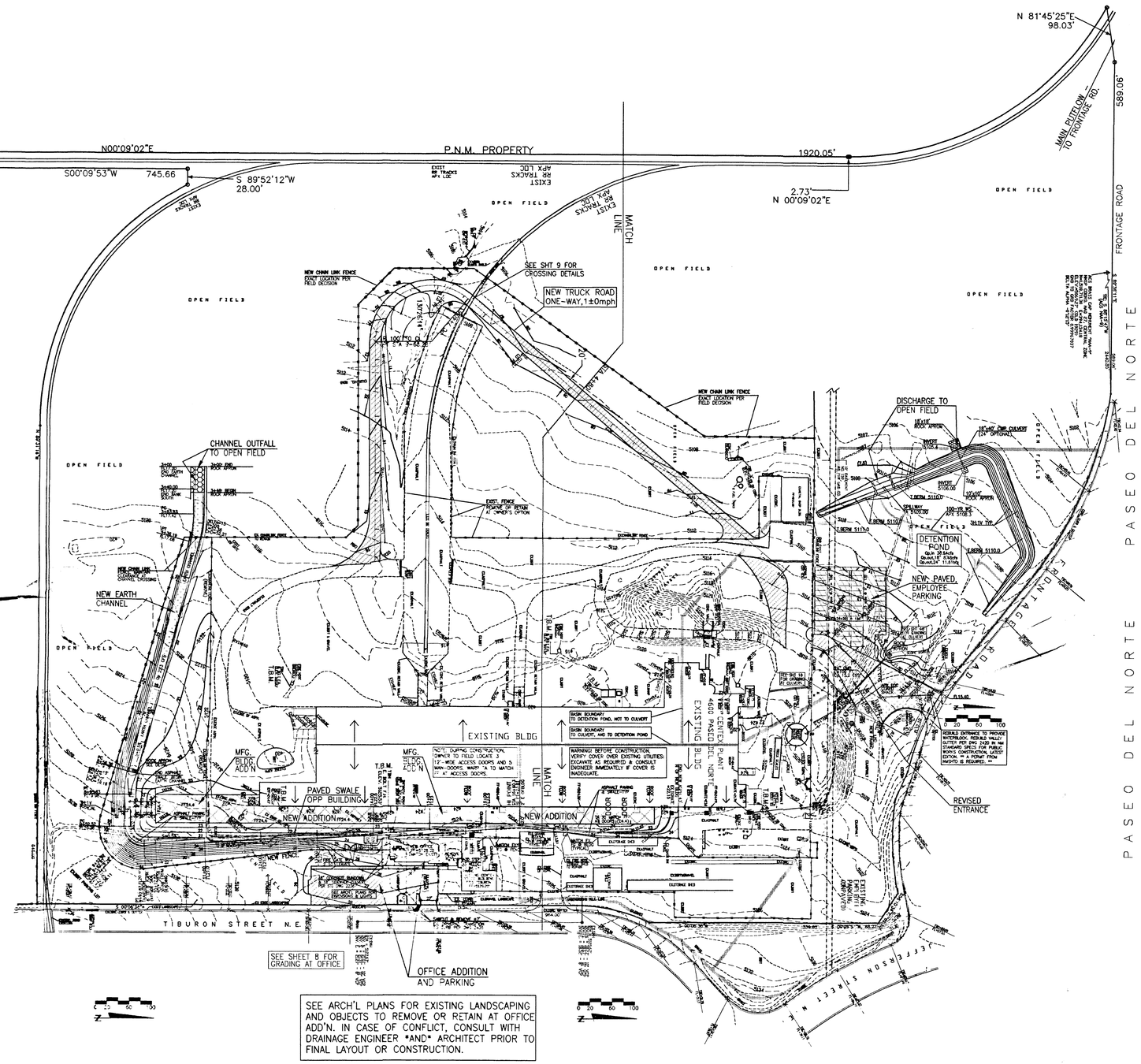
DWG: CXTSHT.dwg DATE: 12/08/97 TIME: 13:10 T. GREEN

TUCKER H. GREEN 10731 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

TITLE SHEET

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile



SEE ARCH'L PLANS FOR EXISTING LANDSCAPING AND OBJECTS TO REMOVE OR RETAIN AT OFFICE ADD'N. IN CASE OF CONFLICT, CONSULT WITH DRAINAGE ENGINEER *AND* ARCHITECT PRIOR TO FINAL LAYOUT OR CONSTRUCTION.

WARNING!! NUMEROUS UTILITIES EXIST ONSITE, PARTICULARLY BETWEEN THE EXISTING MANUFACTURING BUILDING AND THE EXISTING FENCE LINE WEST OF THE EXISTING OFFICE BUILDING (& AS EXTENDED NORTH). CONTRACTOR MUST INFORM HIMSELF OF ALL UTILITY LOCATIONS AND NOTIFY THE ENGINEER IN CASE OF CONFLICT. SEE GENERAL NOTES. SEE SHEET 3 FOR SURVEYOR'S ESTIMATED UTILITY LOCATIONS. A LARGER SCALE PRINT OF SHEET 3 IS AVAILABLE TO BIDDERS OR AWARDED CONTRACTOR ON REQUEST.

TUCKER H. GREEN
10731
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-08-97

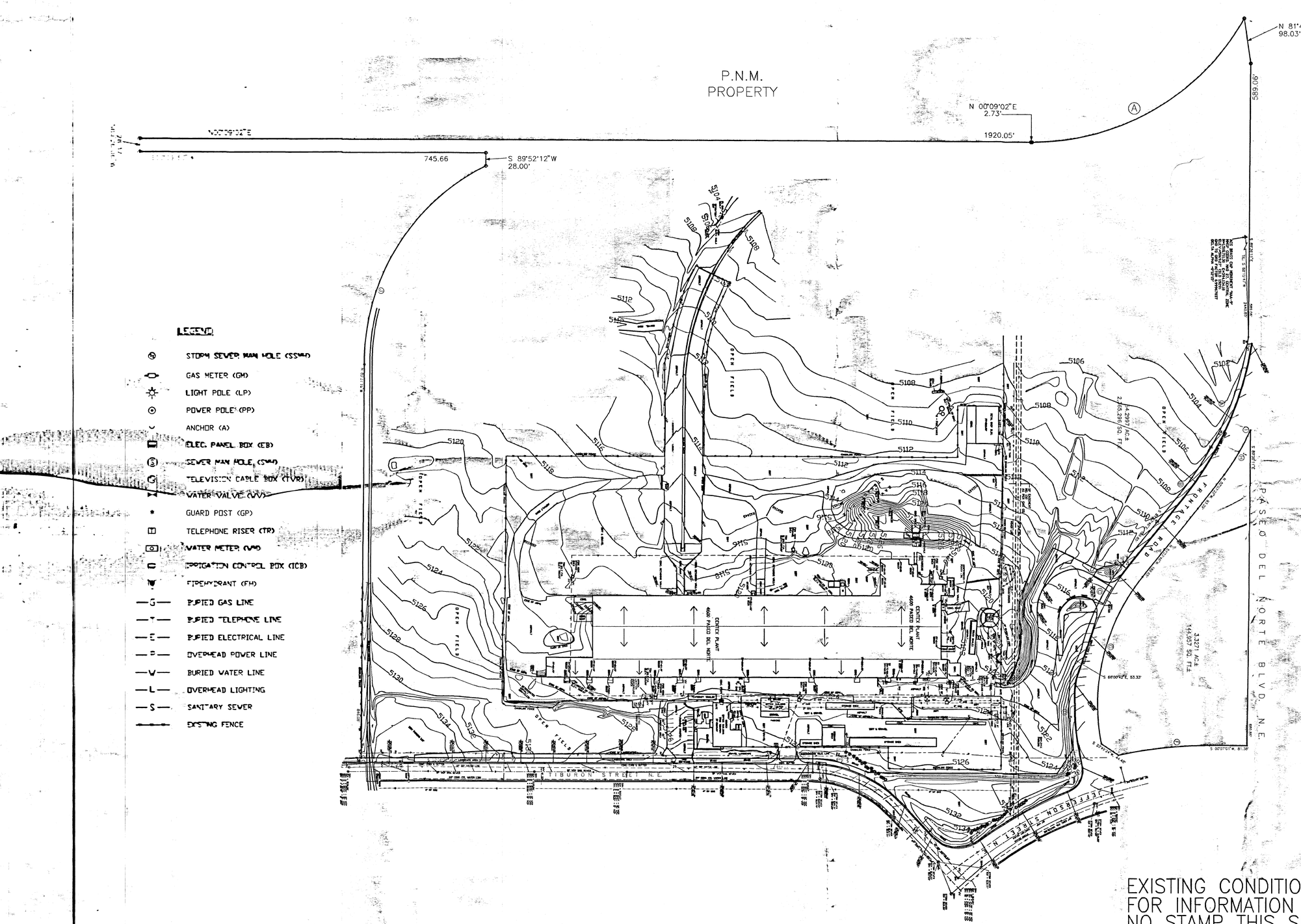
CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

GRADING, DRAINAGE, ONSITE TRUCK ROAD PLAN OVERVIEW

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile

SHEET 2 OF 10

DWG: cxd3.dwg DATE: 12/08/97 TIME: 10:07 T. GREEN



N

50' 0 50' 100'

CONTOUR INTERVAL 1'

TOPOGRAPHIC SURVEY
FOR
CENTEX
AMERICAN GYPSUM COMPANY
ALBUQUERQUE PLANT
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JULY, 1997

THIS PER SE ENGINEERING DRAWING BASED ON & MODIFIED FROM CLINT SHERRILL & ASSOC. DRAWING. SOME NOTATIONAL ELEMENTS REARRANGED & RESIZED FOR DISPLAY AT 1"=100'. FOR INFO ONLY.

UTILITY NOTES:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, ATLAS MAPS AS MAY BE AVAILABLE FROM MUNICIPALITIES OR UTILITY COMPANIES, AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CONTACT NEW MEXICO ONE CALL SYSTEM INC. (505) 260-1990 IN ALBUQUERQUE BEFORE EXCAVATING TO HAVE UNDERGROUND UTILITY LINES MARKED.

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD DISTANCE
A	328.48'	703.20'	26°45'52"	S 68°08'41"E	325.51'
B	45.67'	703.20'	3°43'15"	S 53°15'36"E	45.66'
C	210.59'	490.46'	24°36'06"	S 63°41'48"E	208.98'
D	168.19'	502.46'	19°10'45"	N 88°24'47"E	167.41'
E	134.06'	295.01'	26°02'13"	S 13°08'15"W	132.91'
F	198.35'	875.00'	12°59'16"	S 06°22'34"E	197.92'
G	382.68'	440.46'	49°46'49"	N 76°17'11"W	370.76'
H	98.18'	523.22'	10°45'06"	N 58°56'27"W	98.04'
I	13.19'	523.22'	1°26'40"	N 64°57'14"W	13.19'
J	528.78'	473.28'	64°00'53"	N 58°31'06"W	501.70'

(FROM SURVEYOR)

1. THIS IS NOT A BOUNDARY SURVEY.
2. INFORMATION FOR BOUNDARY TAKEN FROM LEGAL DESCRIPTION PROVIDED TO CENTEX, FROM "DMJM", IN 1988 DANIEL, MANN, JOHNSON, & MENDENHALL 6501 AMERICA'S PARKWAY NE, SUITE 690 ALBQ., NM 87110, PH. (505) 884-4031
3. A PORTION OF SECTION 23, T.11 N., R.3 E., N.M.P.M.
4. ZONE MAP D-17-Z.
5. BASIS OF BEARING = ACS CONTROL, NEW MEXICO STATE PLANE, (CENTRAL ZONE), NAD 1927, DETERMINED BY G.P.S. OBSERVATION. BEARING BETWEEN ACS MON. "NAA-9" AND "11-D18" = N 89°37'31"E
6. BASIS OF ELEVATION = ACS CONTROL MONUMENT "NAA-9", NAVD 1929, ELEV. = 5069.27'
7. NO SEARCH FOR EASEMENTS WAS MADE FOR THIS SURVEY.

EXISTING CONDITIONS
FOR INFORMATION ONLY
NO STAMP THIS SHEET

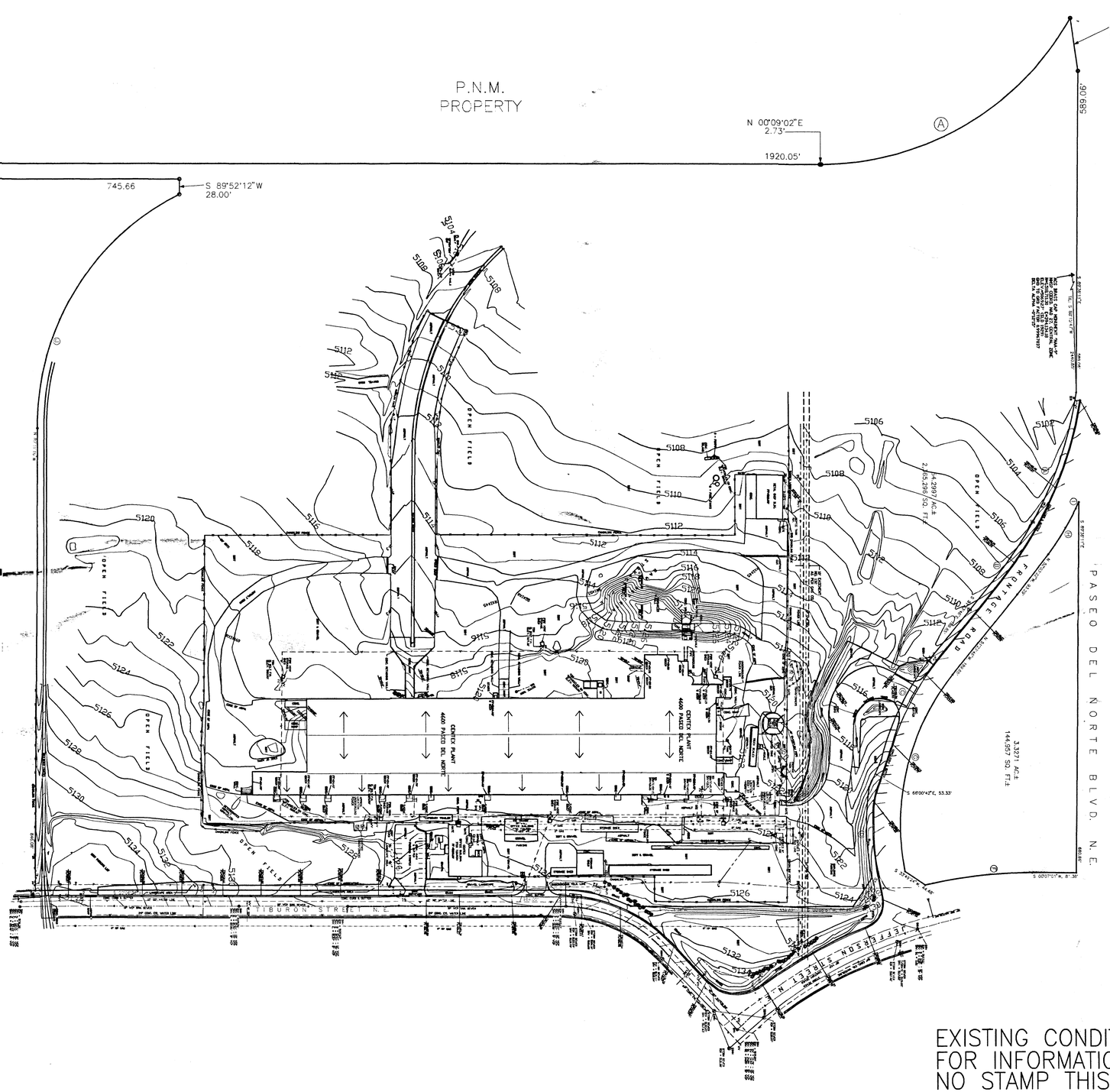
SHT 3 OF 10

DWG: CXSV2 DATE: 12/08/97 TIME: 14:35 T. GREEN

CLINT SHERRILL & ASSOC.
730 SAN MATEO S. E.
ALBUQUERQUE, NEW MEXICO 87108
(505) 256-7364 (505) 256-7600 FAX

ALBUQUERQUE, PLANT
CENTEX
AMERICAN GYPSUM COMPANY

BERNALILLO COUNTY, N.M.		PROJECT NO.	97059
DATE:	7-8-97	DRAWN BY	M.S.
REVISION DATES:		CHECKED BY	B.V.
		SHEET 2	OF 2



LEGEND

- STORM SEWER MAN HOLE (SSMH)
- GAS METER (GM)
- LIGHT POLE (LP)
- POWER POLE (PP)
- ANCHOR (A)
- ELEC. PANEL BOX (EB)
- SEWER MAN HOLE (SMH)
- TELEVISION CABLE BOX (TVR)
- WATER VALVE (WV)
- GUARD POST (GP)
- TELEPHONE RISER (TR)
- WATER METER (WM)
- IRRIGATION CONTROL BOX (ICB)
- FIREHYDRANT (FH)
- BURIED GAS LINE
- BURIED TELEPHONE LINE
- BURIED ELECTRICAL LINE
- OVERHEAD POWER LINE
- BURIED WATER LINE
- OVERHEAD LIGHTING
- SANITARY SEWER
- EXISTING FENCE

N

50' 0 50' 100'

CONTOUR INTERVAL 1'

TOPOGRAPHIC SURVEY
FOR
CENTEX
AMERICAN GYPSUM COMPANY

ALBUQUERQUE PLANT

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

JULY, 1997

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DWG: CXSV2 DATE: 12/08/97 TIME: 14:35 T. GREEN

EXISTING CONDITIONS
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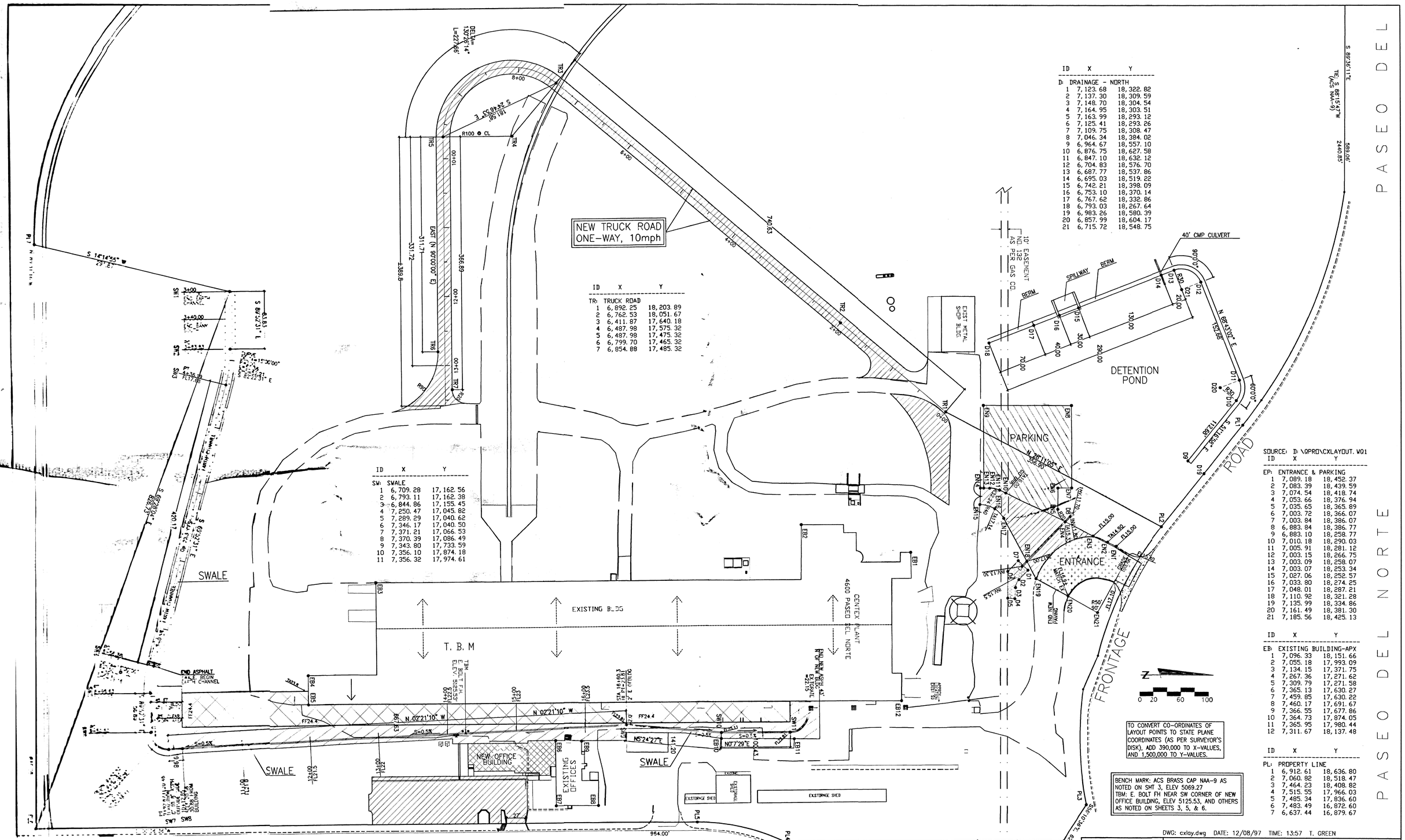
SHT 3 OF 10

CLINT SHERRILL & ASSOC.
730 SAN MATEO S. E.
ALBUQUERQUE, NEW MEXICO 87108
(505) 256-7364 (505) 256-7600 FAX

ALBUQUERQUE, PLANT

CENTEX
AMERICAN GYPSUM COMPANY

BERNALILLO COUNTY, N.M.		PROJECT NO.	97059
DATE:	7-8-97	DRAWN BY	M.S.
REVISION DATES:		CHECKED BY	B.V.
		SHEET 2	OF 2



ID	X	Y
TR:	TRUCK ROAD	
1	6,892.25	18,203.89
2	6,762.53	18,051.67
3	6,411.87	17,640.18
4	6,487.98	17,575.32
5	6,487.98	17,475.32
6	6,799.70	17,465.32
7	6,854.88	17,485.32

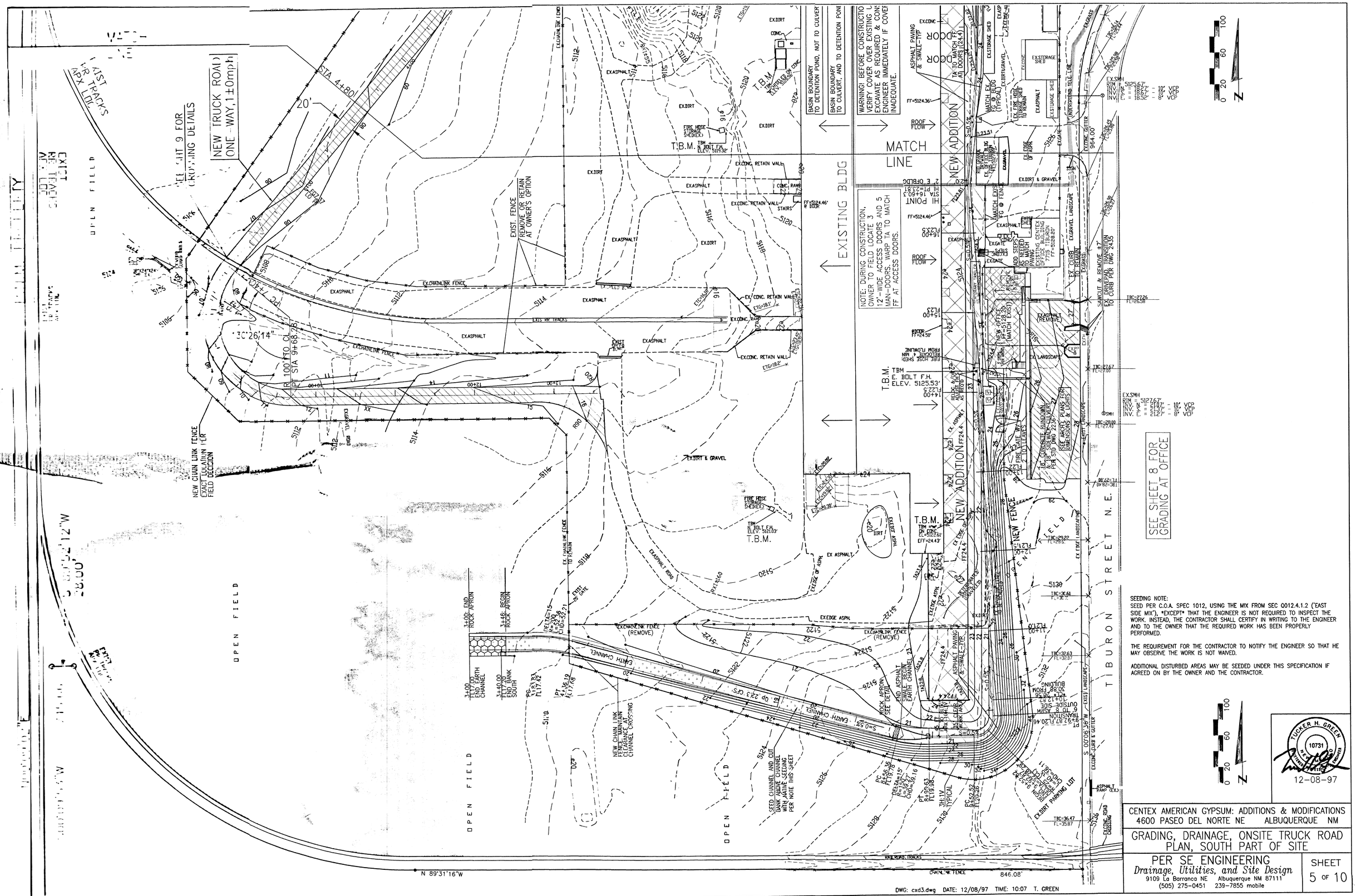
ID	X	Y
SW:	SWALE	
1	6,709.28	17,162.56
2	6,793.11	17,162.38
3	6,844.86	17,155.45
4	7,250.47	17,045.82
5	7,289.29	17,040.62
6	7,346.17	17,040.50
7	7,371.21	17,066.53
8	7,370.39	17,086.49
9	7,343.80	17,733.59
10	7,356.10	17,874.18
11	7,356.32	17,974.61

ID	X	Y
D:	DRAINAGE - NORTH	
1	7,123.68	18,322.82
2	7,137.30	18,309.59
3	7,148.70	18,304.54
4	7,164.95	18,303.51
5	7,163.99	18,293.12
6	7,125.41	18,293.26
7	7,109.75	18,308.47
8	7,046.34	18,384.02
9	6,964.67	18,557.10
10	6,876.75	18,627.58
11	6,847.10	18,632.12
12	6,704.83	18,576.70
13	6,687.77	18,537.86
14	6,695.03	18,519.22
15	6,742.21	18,398.09
16	6,753.10	18,370.14
17	6,767.62	18,332.86
18	6,793.03	18,267.64
19	6,983.26	18,580.39
20	6,857.99	18,604.17
21	6,715.72	18,548.75

ID	X	Y
EP:	ENTRANCE & PARKING	
1	7,089.18	18,452.37
2	7,083.39	18,439.59
3	7,074.54	18,418.74
4	7,053.66	18,376.94
5	7,035.65	18,365.89
6	7,003.72	18,366.07
7	7,003.84	18,386.07
8	6,883.84	18,386.77
9	6,883.10	18,258.77
10	7,010.18	18,290.03
11	7,005.91	18,281.12
12	7,003.15	18,266.75
13	7,003.09	18,258.07
14	7,003.07	18,253.34
15	7,027.06	18,252.57
16	7,033.80	18,274.25
17	7,048.01	18,287.21
18	7,110.92	18,321.28
19	7,135.99	18,334.86
20	7,161.49	18,381.30
21	7,185.56	18,425.13

ID	X	Y
EB:	EXISTING BUILDING-APX	
1	7,096.33	18,151.66
2	7,055.18	17,993.09
3	7,134.15	17,371.75
4	7,267.36	17,271.62
5	7,309.79	17,271.58
6	7,365.13	17,630.27
7	7,459.85	17,630.22
8	7,460.17	17,691.67
9	7,366.55	17,677.86
10	7,364.73	17,874.05
11	7,365.95	17,980.44
12	7,311.67	18,137.48

ID	X	Y
PL:	PROPERTY LINE	
1	6,912.61	18,636.80
2	7,060.82	18,518.47
3	7,464.23	18,408.82
4	7,515.55	17,966.03
5	7,485.34	17,936.60
6	7,483.49	16,872.60
7	6,637.44	16,879.67



SEEDING NOTE:
SEED PER C.O.A. SPEC 1012, USING THE MIX FROM SEC Q012.4.1.2 ('EAST SIDE MIX'), "EXCEPT" THAT THE ENGINEER IS NOT REQUIRED TO INSPECT THE WORK. INSTEAD, THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER AND TO THE OWNER THAT THE REQUIRED WORK HAS BEEN PROPERLY PERFORMED.

THE REQUIREMENT FOR THE CONTRACTOR TO NOTIFY THE ENGINEER SO THAT HE MAY OBSERVE THE WORK IS NOT WAIVED.

ADDITIONAL DISTURBED AREAS MAY BE SEEDED UNDER THIS SPECIFICATION IF AGREED ON BY THE OWNER AND THE CONTRACTOR.

TUCKER H. GREEN
10731
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-08-97

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

GRADING, DRAINAGE, ONSITE TRUCK ROAD PLAN, SOUTH PART OF SITE

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile

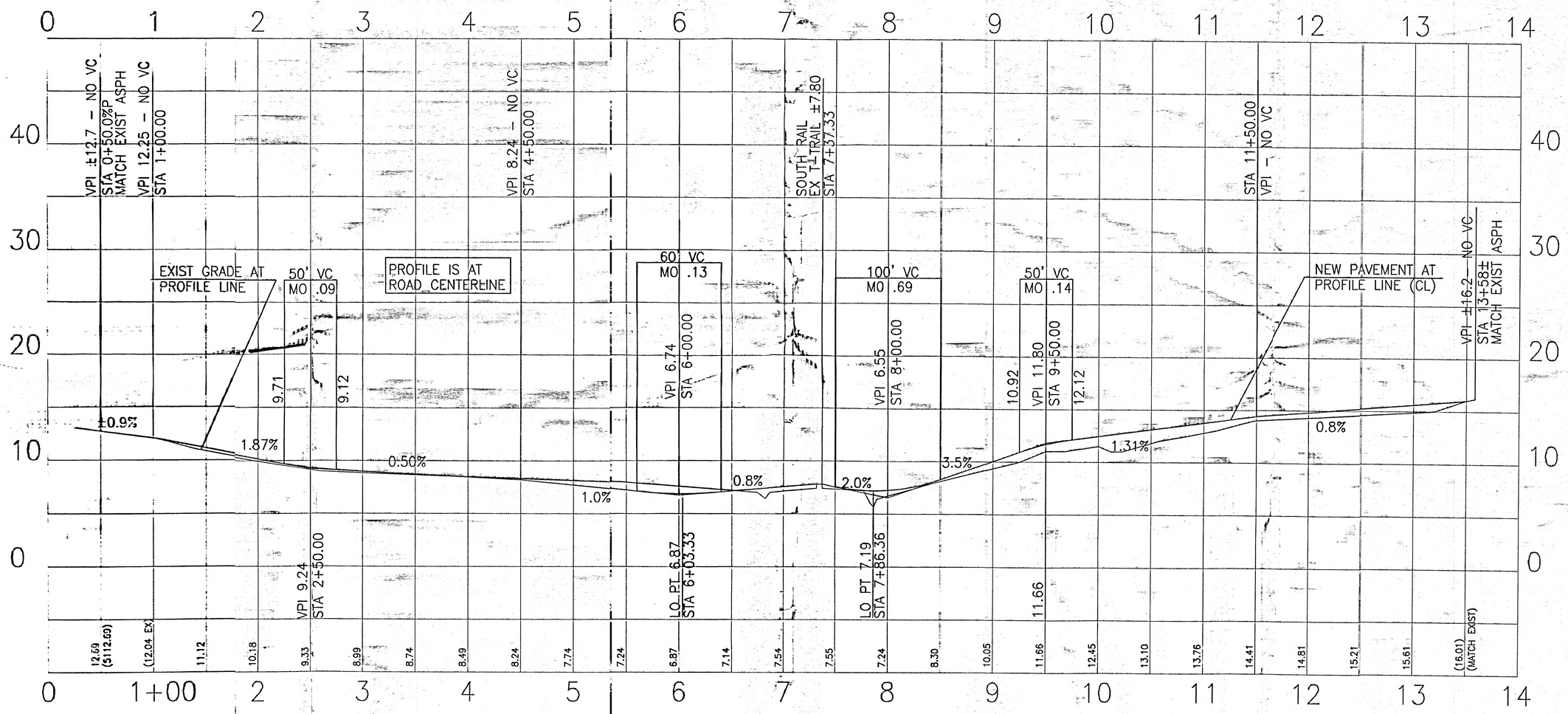
SHEET 5 OF 10

PASEO DEL NORTE
FRONTAGE ROAD
JEFFERSON STREET
S 89°36'11"E
589.00'
2440.85'
TIE: S 88°15'47"W
(ACS NAA-9)
ACS BRASS CAP MONUMENT "NAA-9"
NMSP COORD. NAD 27, CENTRAL ZONE
N=1,518,711.30 E=394,134.18
ELEV.=5069.27' (SLD 1929)
GND TO GRD FACTOR 0.99967037
DELTA ALPHA -0°12'15"
OPEN FIELD
SEEDING NOTE:
SEED PER C.O.A. SPEC 1012, USING THE MIX FROM SEC 0012.4.1.2 ("EAST SIDE MIX"), "EXCEPT" THAT THE ENGINEER IS NOT REQUIRED TO INSPECT THE WORK. INSTEAD, THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER AND TO THE OWNER THAT THE REQUIRED WORK HAS BEEN PROPERLY PERFORMED. "AND EXCEPT" THAT THE DEPTH OF PREPARATION USING HARROWING SHALL BE 4 INCHES. DEPTH IF ROTOTILLING IS USED SHALL REMAIN AT 2 INCHES.
THE REQUIREMENT FOR THE CONTRACTOR TO NOTIFY THE ENGINEER SO THAT HE MAY OBSERVE THE WORK IS NOT WAIVED.
ADDITIONAL DISTURBED AREAS MAY BE SEEDED UNDER THIS SPECIFICATION IF AGREED OK BY THE OWNER AND THE CONTRACTOR.
SEED EMBANKMENT WITH NATIVE SEED PER NOTE NOTE THIS SHEET
18"x40' CMP. CULVERT (24" OPTIONAL)
10'x10' ROCK APRON
18'x18' ROCK APRON
INVERT 5106.00
INVERT 5105.4
100-YR WS APX 5108.3
3H:1V TYP
DETENTION POND
Qp.in 36.84cfs
Qp.out.18" 8.98cfs
Qp.out.24" 11.61cfs
SEE SH 9 FOR POND SECTIONS AND DETAILS.
SPILLWAY IN 5109.00
END KEY TRENCH UNDER BERM TO N. OF EASEMENT
10' EASEMENT NO. 132
CONC. CURB & GUTTER
REBUILD ENTRANCE TO PROVIDE WATERBLOCK. REBUILD VALLEY GUTTER PER DWG 2420 IN NM STANDARD SPECS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. ** A PERMIT FROM NMSHTD IS REQUIRED. **
EXISTING EMPLOYEE PARKING (UNPAVED)
NEW PAVING
EXASPHALT
EXGRAVEL
EXCONC
EXDIRT
EXISIGN
EX.ROCK LANDSCAPE
EX. GUTTER
EXCONC. CURB & GUTTER
END NEW ASPH. 4.3' N OF NEW BLDG
EX.TOPGRATE =22.15
EX.GRATE=23.0
EX.GRATE=21.70'
FF=5124.49'
FF=5124.41'
FF=5124.36'
CENTEX PLANT
4600 PASEO DEL NORTE
EXISTING BLDG
NEW ADDITION
MATCH LINE
ROOF FLOW
ASPHALT PAVING & SWALE-TYP
TA TO MATCH FF AT DOORS (24.4)
MATCH BLDG (TYPICAL)
BASIN BOUNDARY TO DETENTION POND, NOT TO CULVERT
BASIN BOUNDARY TO CULVERT, AND TO DETENTION POND
WARNING! BEFORE CONSTRUCTION, VERIFY COVER OVER EXISTING UTILITIES. EXCAVATE AS REQUIRED & CONSULT ENGINEER IMMEDIATELY IF COVER IS INADEQUATE.
EXISTING STORAGE SHED
EX.DIRT & GRAVEL
EXCONC. RETAIN WALL
CONC. RAMP
EXASPHALT
EXCONC. VALV
BRIDGE
DIRT RAMP
CATWALK
UNDERGROUND PIPE
EXRAMP
EXCHAIN LINK FENCE
EX.METAL SHOP BLDG
FF=5111.68'
EXCONC.
EXASPHALT
ASPHALT CUT (TYP)
SEE SHT 10 FOR GRADING AT CULVERT
TRUCK SCALES
SCALE
T.B.M.
TBM ELEV. 5119.32'
TBM ELEV. 5119.10'
TBM ELEV. 5109.20'
2 FUEL TANKS
CONC. ISLAND (EX.)
NEW CHAIN LINK FENCE EXACT LOCATION PER FIELD DECISION
MATCH LINE
EXIST RR TRACKS APX LOC
SEE SHT 9 FOR CROSSING DETAILS
NEW TRUCK ROAD ONE-WAY, 1±0mph
STA 4+80
20'
EXIST RR TRAC APX LOC
N 00°09'02"E
2.73'
1920.05'
S 00°06'36"W
339.62'
EXCONC. OUTER 964.00'
EXCHAIN LINK FENCE
EXASPHALT
EXDIRT
EXGRAVEL
EXSTORAGE SHED
EXDIRT/GRAVEL
EX. FIRE HYD. TO REMAIN
EX. FIRE HYD. TO BE REMOVED
UNDERGROUND TELE LINE
EXISIGN
EXSIGN
EXGATE
EXGRASS
GRASS
DIRT
EXCONC
EXCURB
EXCURB/GRAVEL
EXSTORAGE
EXSTORAGE SHED
EXDIRT/GRAVEL
EXASPHALT
EXEDGE ASPH
EXCONC
EXDIRT
EXGATE
EXGRASS
EXSIGN
EXSIGN
EXGRAVEL
EXCONC
EXDIRT
EXCONC
EXDIRT
EXGRAVEL
EXASPHALT

CENTEX – ALBUQUERQUE PLANT

ON-SITE TRUCK ROAD : 10 MPH & 1-WAY TRAFFIC

SEE SHEETS 2, 4, & 5 FOR PLAN VIEWS. SEE SHEET 3 FOR PLAN GEOMETRY DETAILS.



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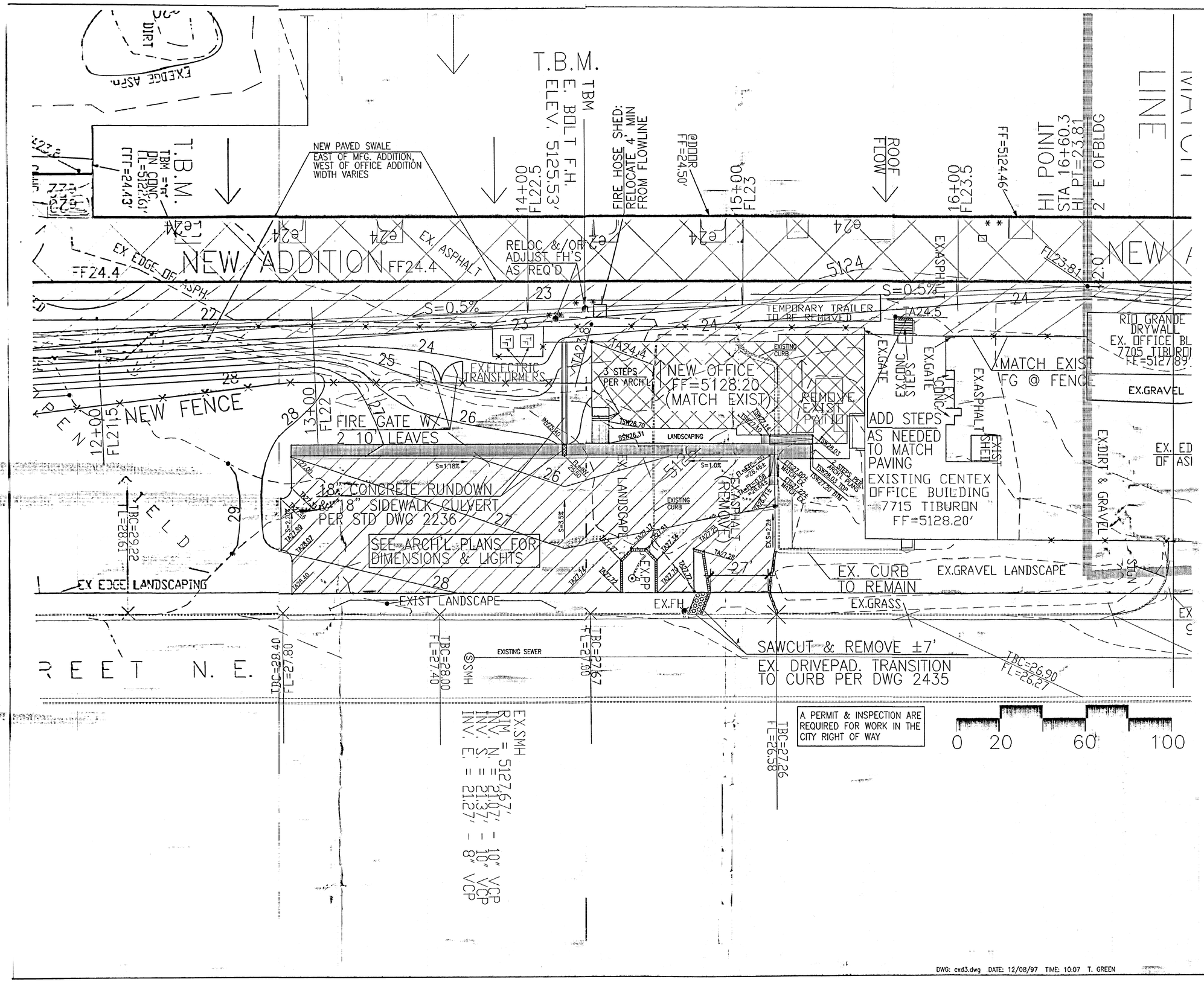
TUCKER H. GREEN 10731 NEW MEXICO LICENSED PROFESSIONAL ENGINEER

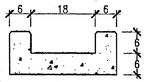
12-08-97

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

GRADING, DRAINAGE, ONSITE TRUCK ROAD
TRUCK ROAD PROFILE

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile





CONCRETE CHANNEL NO SCALE
AT OFFICE ADDITION

ALL NEW CURB & GUTTER TO BE 6" MEDIAN TYPE PER COA DWG 2415

SEE ARCH'L PLANS FOR EXISTING ITEMS TO BE REMOVED OR RELOCATED AS TO OFFICE ADDITION CONSTRUCTION

S.O. 19 APPROVALS FOR WORK IN CITY R.O.W.

APPROVALS	NAME	DATE
A.C.E./HYDROLOGY		
INSPECTOR		
A.C.E./FIELD		

TUCKER H. GREEN 10731 Registered Professional Engineer New Mexico
12-08-97

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

OFFICE ADDITION GRADING
7715 TIBURON STREET N.E.

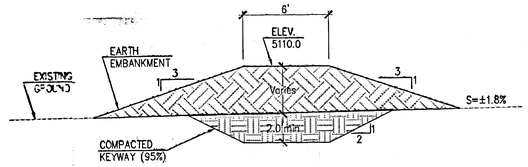
PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile

SHEET 8 OF 10

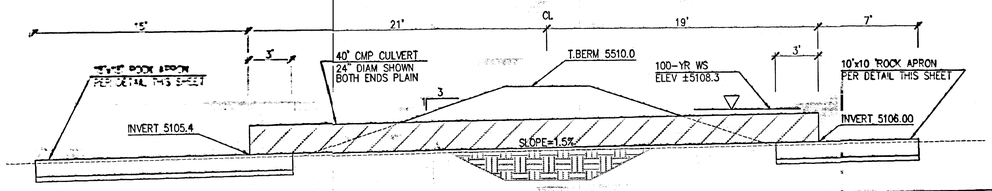
DWG: cxd3.dwg DATE: 12/08/97 TIME: 10:07 T. GREEN

COMPACT EMBANKMENT & KEYWAY TO 95% MIN PER ASTM D-1557. AFTER CONSTRUCTION, PREPARE SURFACE OF EMBANKMENT FOR SEEDING AS SPECIFIED.

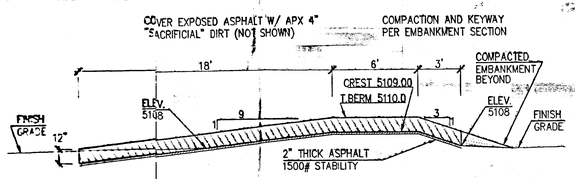
CLEAR & GRUB ENTIRE AREA UNDER EMBANKMENT, THEN SCARIFY 6 INCHES AND COMPACT TO 90% MIN PER ASTM D-1557.



TYPICAL EMBANKMENT SECTION AT DETENTION POND
NO SCALE

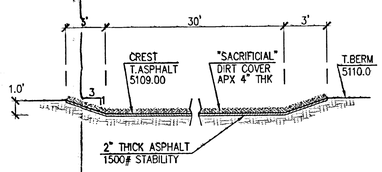


EMBANKMENT SECTION AT CMP CULVERT OUTLET
NO SCALE

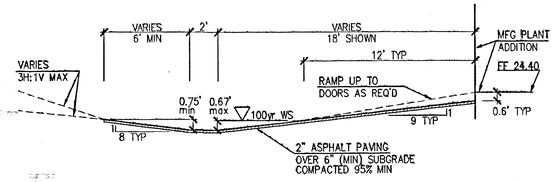


EMERGENCY SPILLWAY TRANSVERSE SECTION
NO SCALE

AT Q = Qpeak100 into pond = 37.05cfs, & C=3, DEPTH REQUIRED = 0.55'

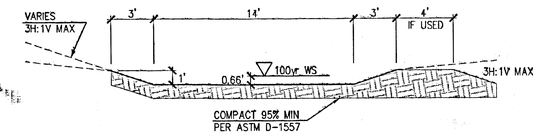


EMERGENCY SPILLWAY LONGITUDINAL SECTION
NO SCALE



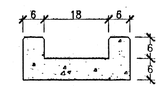
ASPHALT SWALE EAST OF MFG PLANT ADDITION
NO SCALE

Qp=16.8cfs S=0.5% n=0.017 Y=0.67' V=3.26fps

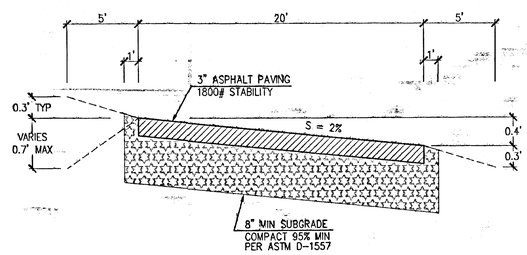


EARTH CHANNEL SOUTH OF MFG PLANT
NO SCALE

Qp=22.25 cfs S=0.5% n=0.035 Y=0.66' V=2.10fps

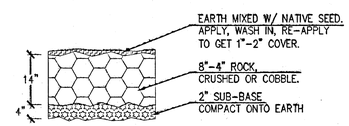


CONCRETE CHANNEL AT OFFICE ADDITION
NO SCALE

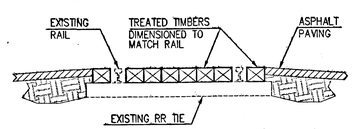


PAVEMENT SECTION
NO SCALE

SLOW SPEED PRIVATE ON-SITE TRUCT ROAD



ROCK APRON AND SLOPE PAVING
NO SCALE



SCHEMATIC RR TRACK CROSSING
NO SCALE

FOR SLOW SPEED PRIVATE ON-SITE TRUCT ROAD
FINAL FIELD DETAILS PER CONTRACTOR EXPERIENCED IN THIS KIND OF WORK

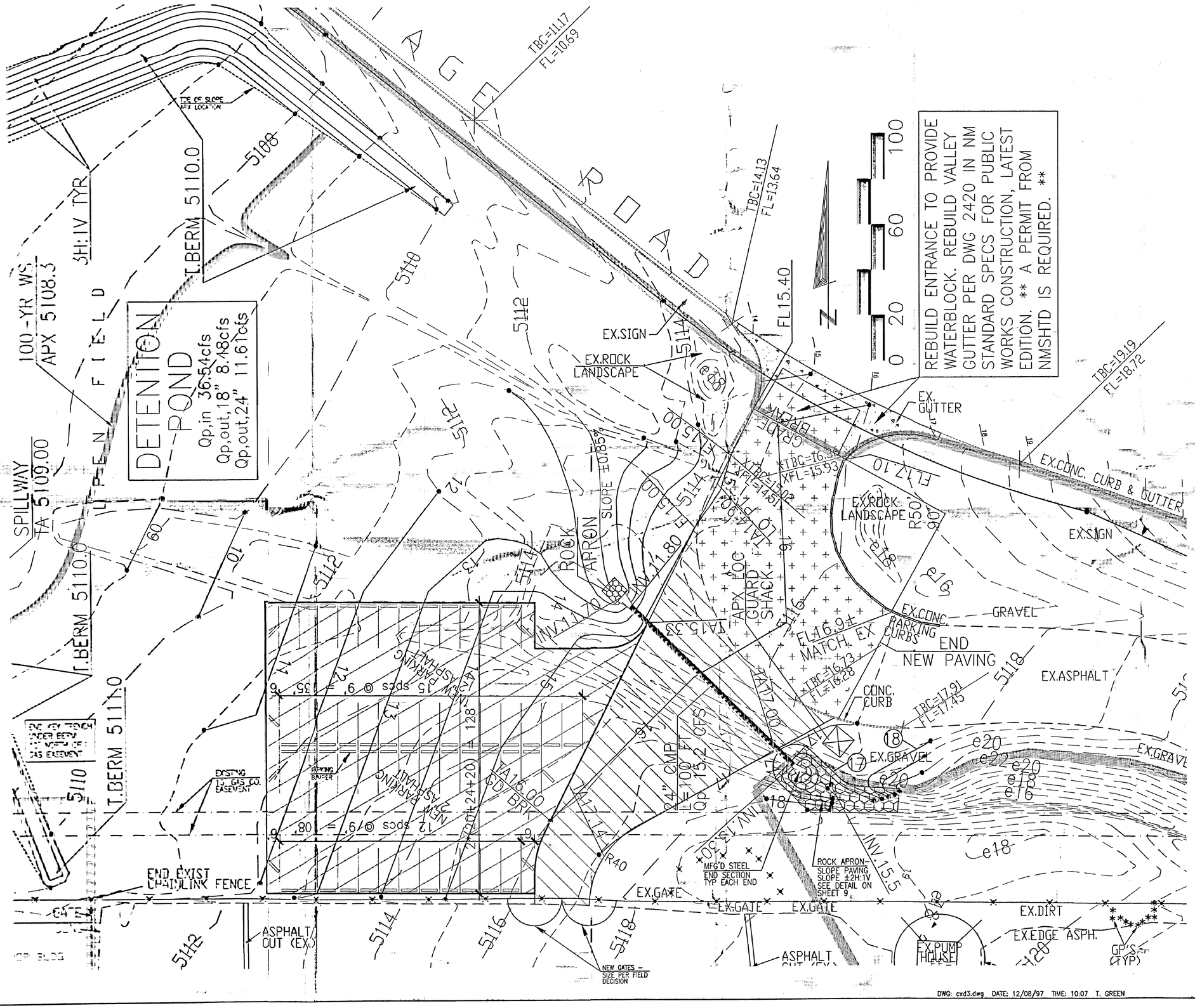
TUCKER H. GREEN 10731 NEW MEXICO Registered Professional Engineer
12-08-97

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

GRADING, DRAINAGE, ONSITE TRUCK ROAD DETAILS

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile

DWG: cxdtl.dwg DATE: 12/08/97 TIME: 08:46 T. GREEN



REBUILD ENTRANCE TO PROVIDE WATERBLOCK. REBUILD VALLEY GUTTER PER DWG 2420 IN NM STANDARD SPECS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. ** A PERMIT FROM NMSHTD IS REQUIRED. **

SEE SHEET 4 FOR LAYOUT POINTS

TUCKER H. GREEN 10731 NEW MEXICO PROFESSIONAL ENGINEER
12-08-97

CENTEX AMERICAN GYPSUM: ADDITIONS & MODIFICATIONS
4600 PASEO DEL NORTE NE ALBUQUERQUE NM

PLAN, REVISED FRONTAGE RD. ENTRANCE AND NEW PARKING

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275-0451 239-7855 mobile

SHEET 10 OF 10

DWG: cxd3.dwg DATE: 12/08/97 TIME: 10:07 T. GREEN