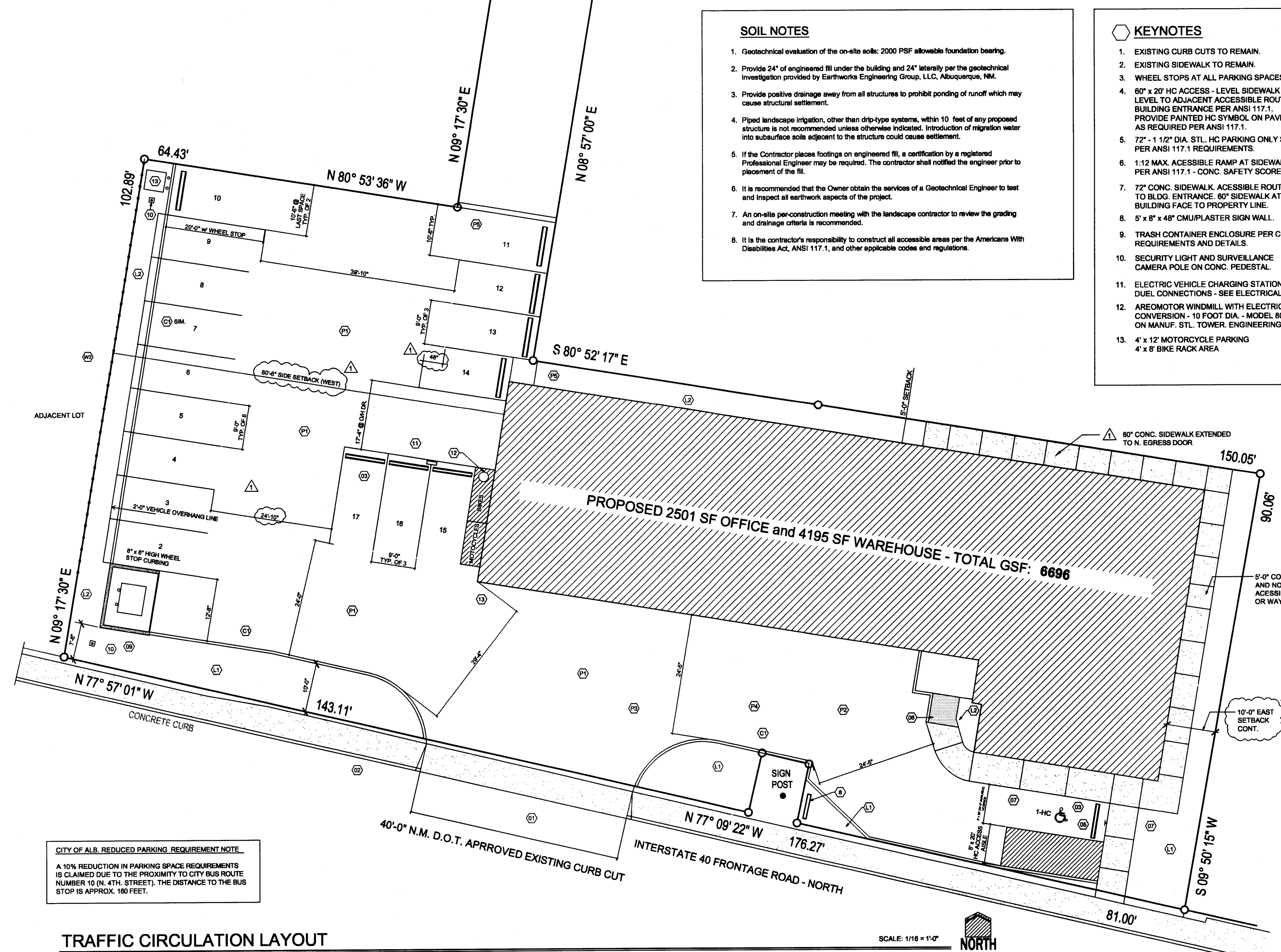


1. THE SIGN PLATE SHALL BE A MINIMUM OF 12" x 18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.
2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH A BLUE LEGEND (STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH BLUE SCREEN PRINTED LETTERS AS SHOWN).
3. ALL ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN ON A CITY OF ALB. APPROVED STATIONARY POST OR APPROVED WALL LOCATION. THESE SIGNS SHALL NOT BE OBSCURED.
4. THE BOTTOM OF THE SIGN SHALL BE LOCATED 48" ABOVE THE GRADE PARKING LOT SURFACE AND SHALL BE VISIBLE DIRECTLY CONTIGUOUS IN FRONT OF THE PARKING SPACE.
5. ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED FOR PHYSICALLY DISABLED BY A SIGN SHOWING THE INTERNATIONAL WHEELCHAIR SYMBOL IN ANY COLOR OR SOME ON CONTRASTING BACKGROUND REQUIRED BY LOCAL CODE.
6. THE SIGN MUST HAVE THE MINIMUM VERBAGE OF "RESERVED PARKING INTERNATIONAL WHEELCHAIR SYMBOL AND CITY CODE SIGN NUMBER."

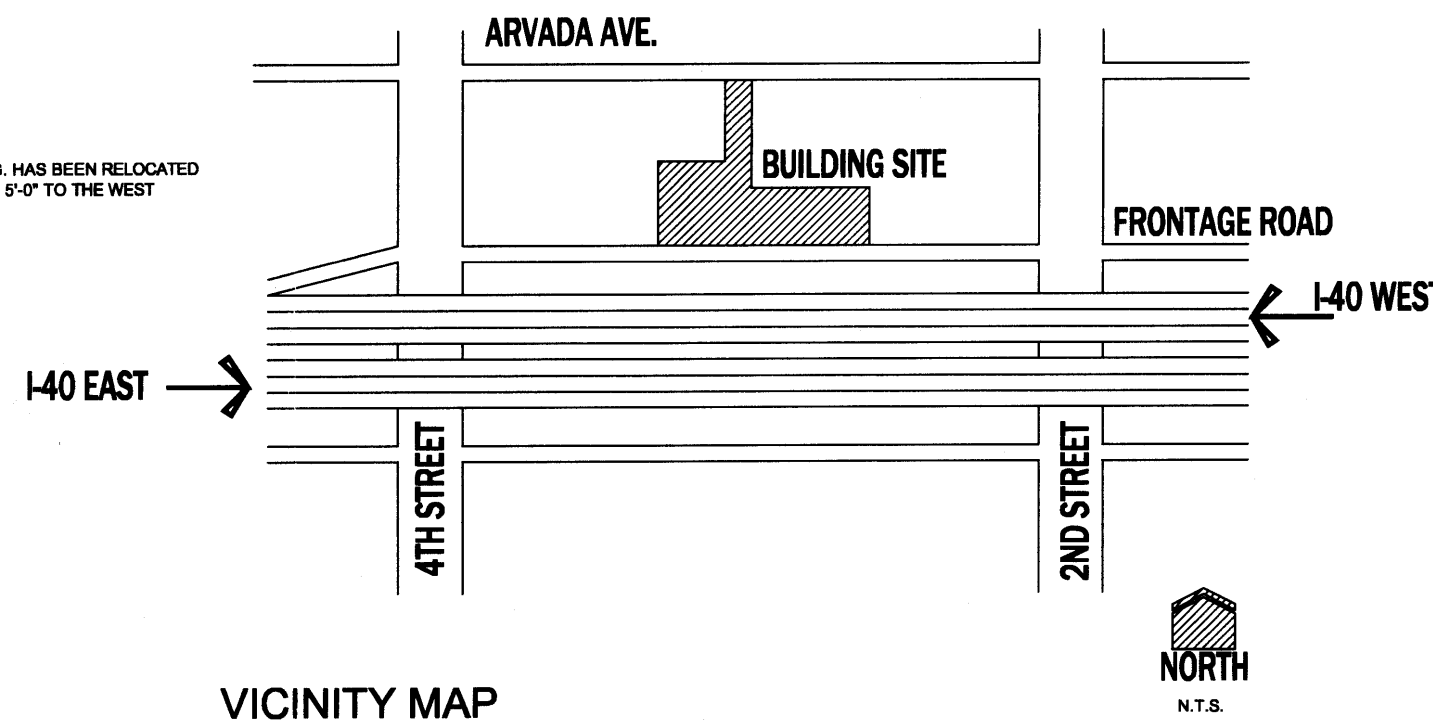
TRAFFIC CIRCULATION LAYOUT APPROVED

Signed: *[Signature]* Date: 05/12/10



ALL WHEELCHAIR RAMPS LOCATED WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE TRUNCATED DOMES.

Public Infrastructure shown on these plans for information only and not part of approval. Separate DRC/Permit approval and Work Order required.



Del Paul Jack - Architect
724 Cordova Plaza NW
Albuquerque, NM
505.235.2870

QUESTON BUILDING
2212 4th STREET NW
ALBUQUERQUE, NEW MEXICO

REVISIONS		
NO.	DATE	REMARKS
1	5.8.10	CITY OF ALB.
CAD DWG: JTK CHECKED: DPJ		
DWG. COMPLETE 100%		
SUBMITTAL PERMIT		
DATE 8 MAY 2010		
JOB NUMBER NM-09-052		
SCALE 1/8" = 1'-0"		
SHEET TITLE TRAFFIC CIRC.		
SHEET A1.1		

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MAY 11 2010
HYDROLOGY SECTION

STATE OF NEW MEXICO
DEL PAUL JACK
#858
5/8/2010
REGISTERED ARCHITECT



FIRM MAP

PANEL # 332 G

NOTE: REF: 2008 FIRM MAPS, USING
NAVD 1988 DATUM

NOTE: SITE IS ADJACENT TO AN AO FLOODPLAIN THAT IS CONTAINED WITHIN THE STREET
AND RIGHT-OF-WAY. THEREFORE THE FINISH FLOOR ELEVATION OF THE PROPOSED
BUILDING IS SET 1.6 FEET ABOVE THE FLOWLINE OF THE I-40 FRONTAGE ROAD.

GRADING & DRAINAGE PLAN

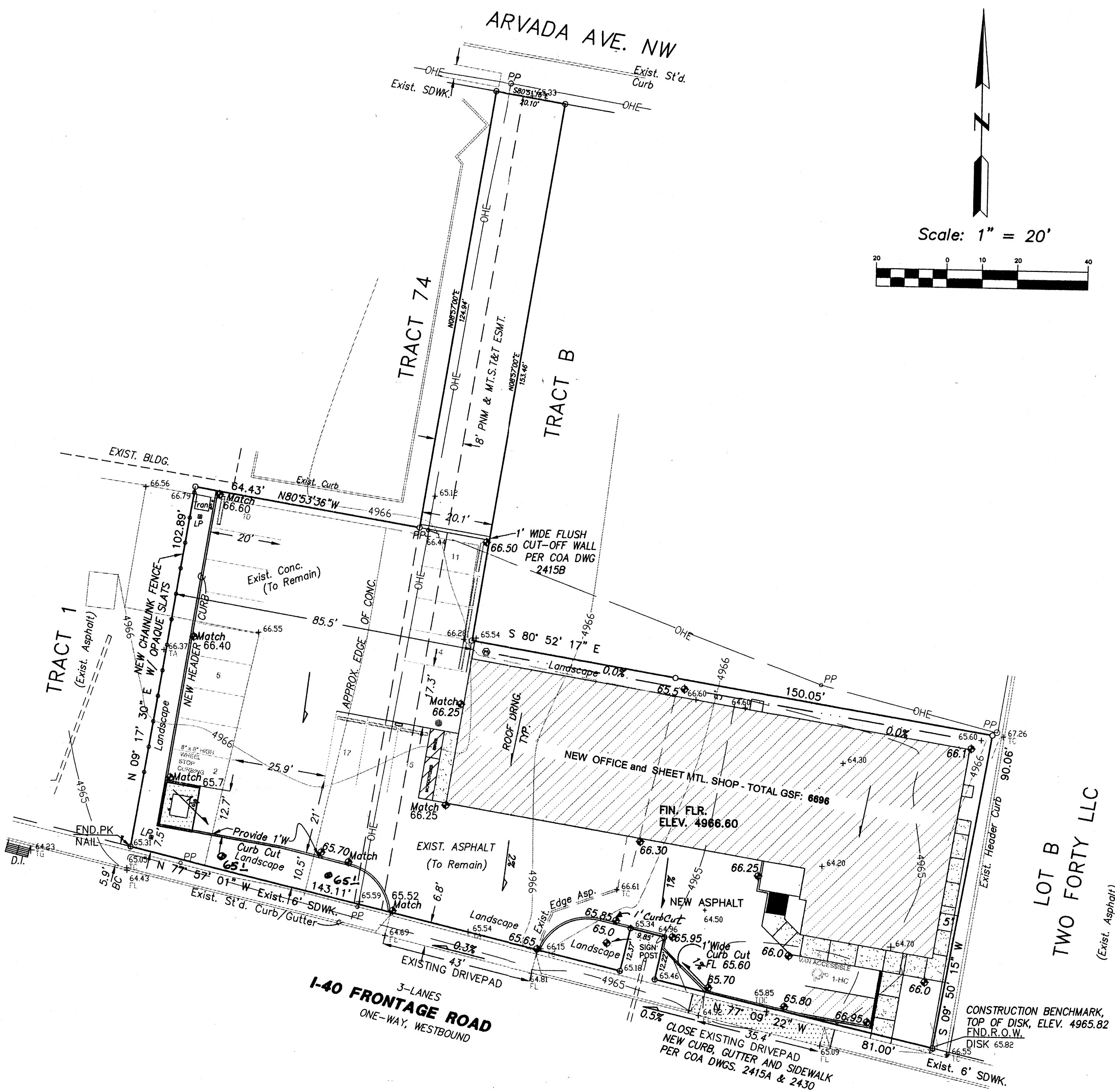
THE PROPOSED COMMERCIAL FACILITY PROJECT IS LOCATED IN THE
NORTHWEST SANTA BARBARA AREA OF THE CITY APPROXIMATELY 2
MILES FROM THE DOWNTOWN CORE OF THE CITY OF ALBUQUERQUE, NM.
THE GRADING AND DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH
THE CITY OF ALBUQUERQUE STORM DRAINAGE ORDINANCE. THE PLAN IS
REQUIRED IN ORDER TO FACILITATE THE OWNER'S REQUEST FOR BUILDING
PERMIT. THE PLAN SHOWS:

1. EXISTING CONTOURS, SPOT ELEVATIONS, EXISTING DRAINAGE
PATTERNS AND EXISTING IMPROVEMENTS (CONCRETE AND ASPHALT
FLATWORK)
2. PROPOSED IMPROVEMENTS: 7000 SQUARE FOOT STRUCTURE,
PARKING, ASPHALT ACCESS DRIVE, CONCRETE FLATWORK, AND NEW
GRADE ELEVATIONS.
3. CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS.
4. ON-SITE ANALYSIS AS TO STORM WATER MANAGEMENT AND
EROSION CONTROL.

THE PURPOSE OF THE PLAN IS TO ESTABLISH CRITERIA FOR CONTROLLING
STORM RUNOFF AND EROSION, AND ESSENTIALLY ALLOWING HISTORIC FLOWS
TO CONTINUE TO DRAIN THROUGH THE PROPERTY. PRESENTLY, THE SITE IS
BOUNDED ON WEST, NORTH AND EAST BY DEVELOPED PROPERTY. THE
INTERSTATE 40 NORTH FRONTAGE ROAD ON THE SOUTH IS AN IMPROVED
PAVED, ROADWAY WITH CURB/GUTTER AND ATTACHED NORTH SIDEWALK.

THE SITE SLOPES AT APPROXIMATELY 1% TO THE SOUTH. ALL OFFSITE
FLOWS ARE QUANTIFIED ON THE PLAN, AND ADDRESSED IN THE
CALCULATIONS.

HISTORICAL SITE RUNOFF OUTFALL LOCATIONS WILL REMAIN UNCHANGED IN
DEVELOPMENT. NO GRADING IS PROPOSED WITHIN THE CITY R.O.W. FREE
DISCHARGE OF DEVELOPED FLOW IS ACCEPTABLE SINCE CONVEYANCE TO
ADEQUATE FACILITIES EXIST DOWNSTREAM.



VICINITY MAP

ZONE H-14

NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED
IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECS.
FOR PUBLIC WORKS CONSTRUCTION, 7TH EDITION W/ UPDATES.
OR PER THE NEW MEXICO DEPT. OF TRANSPORTATION, 2000 STANDARD
SPECIFICATION FOR HIGHWAY & BRIDGE CONSTRUCTION, BLUE BOOK.
WITHIN STATE R.O.W.
2. AN EXCAVATION/CONSTRUCTION PERMIT IS REQUIRED BEFORE
BEGINNING ANY WORK WITHIN STATE/CITY R.O.W. AN APPROVED COPY
OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE
WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND
REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL LANDSCAPING AREA SHALL BE SOFT-LINED WITH NATIVE
VEGETATION AND/OR GRAVEL. ASPHALT PARKING AREA SHALL DRAIN
DIRECTLY TO EXISTING CURB CUTS.
5. LANDSCAPING IRRIGATION SYSTEM SHALL BE DRIP-TYPE.
6. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT
ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION.
7. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION
PER CITY OF ALBUQ. SPEC. 1011, NATIVE SEED MIX.
8. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION:
3 HORIZONTAL TO 1 VERTICAL, 3:1. ALL DIMENSIONS TO
FACE OF CURB, UNLESS NOTED OTHERWISE.

LEGEND

- +24.0 EXIST. SPOT ELEVATION
- 10- EXIST. CONTOUR
- 24.0 NEW SPOT ELEVATION
- 12- NEW CONTOUR
- EXIST. EDGE OF ROAD
- NEW SWALE
- DRAINAGE DIRECTION
- TA TOP OF ASPHALT
- FL FLOWLINE
- TC TOP OF CURB
- TOC TOP OF CONCRETE
- D.I. DROP INLET OR CATCH BASIN
- PP EXISTING POWER POLE
- NEW RIP RAP EROSION
PROTECTION, 6" AVG. DIA. ROCK
- NEW CONCRETE

CALCULATIONS

DESIGN CRITERIA

HYDROLOGIC METHODS PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPH)
REVISED JANUARY 1993 FOR CITY OF ALBUQUERQUE ADOPTED BY THE COUNTY OF BERNALILLO
DISCHARGE RATE: $Q = Q_{PEAK} \times AREA$. "Peak Discharge Rates For Small Watersheds"
VOLUMETRIC DISCHARGE: $VOLUME = E_{WEIGHTED} \times AREA$
 $P100 = 2.35$ inches, Zone 2
DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR Where $[] = 10$ YEAR VALUES

EXISTING CONDITIONS

5580, 22% C, 23% B.
LOT AREA = 0.55 ACRES, WHERE EXCESS PRECIP. "Weight" = 1.03 in. [0.47]
PEAK DISCHARGE, $Q100 = 2.09$ CFS [1.1], WHERE UNIT PEAK DISCHARGE = 3.8 CFS/AC. [2.3]
THEREFORE: $VOLUME 100 = 3114$ CF [1837]

DEVELOPED CONDITIONS

DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE
FOR STUDY AREA

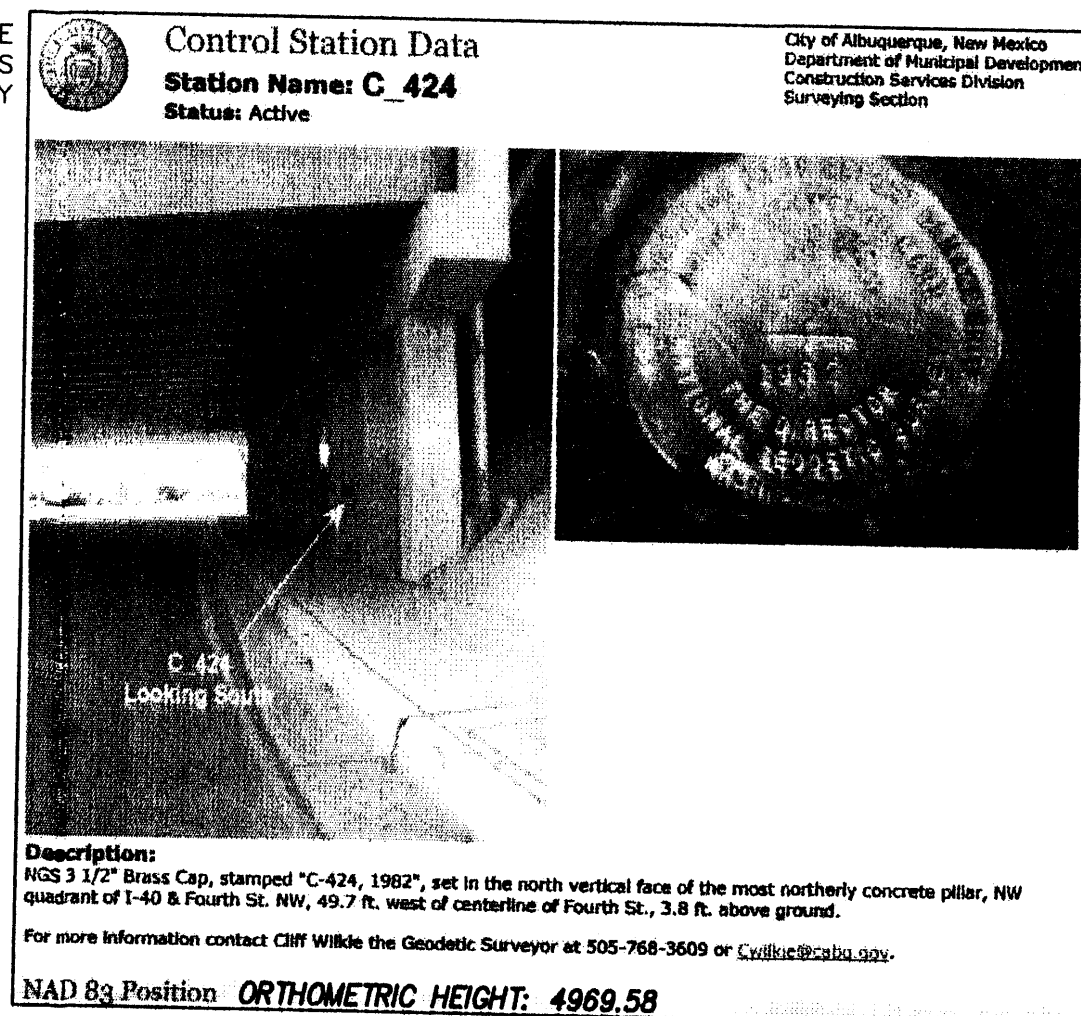
	AREA	LAND TREATMENT	Q Peak	E
UNDEVELOPED/POND	0.00 Ac.	A	1.56[0.38]	0.53[0.13]
LANDSCAPING	0.12 Ac.(22%)	B	2.28[0.95]	0.78[0.28]
GRAVEL & COMPACTED SOIL	--- Ac.(0%)	C	3.14[1.71]	1.13[0.52]
ROOF - PAVEMENT	0.43 Ac.(78%)	D	4.70[3.14]	2.12[1.34]
	0.55 Ac.			

THEREFORE: $E_{WEIGHTED} = 1.82$ in.[1.07] &
 $Q100 = 2.29$ CFS
 $Q10 = 1.46$ CFS

VOLUME 100 = 3633 CF
VOLUME 10 = 2136 CF

I, PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE
OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS
SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO EARTHWORK OF ANY
KIND, NOR ANY DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE
DETERMINED.

Philip W. Clark
PHILIP W. CLARK NMPE #10265



PROJECT DATA

LEGAL DESCRIPTION

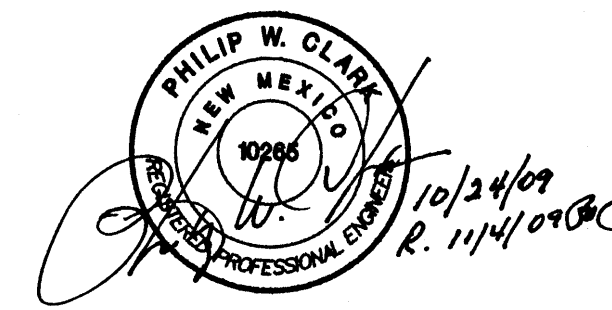
TRACT 2, LANDS OF GORMAN
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

PROJECT BENCHMARK

CONSTRUCTION BENCH, TOP OF ALUM. R.O.W. DISK (PROP. SE CORNER)
MSL ELEVATION = 4965.82 (NAVD 88) AS TIED TO VERTICAL
CONTROL ACS MONUMENT, C-424, 1982, BRASS CAP LOCATED IN
THE NORTH VERTICAL FACE OF PILLAR, NW QUAD OF 4TH ST./I-40

TOPOGRAPHIC INFORMATION

COMPILED BY CLARK CONSULTING ENGINEERS, DATE 9/2009
FROM ACTUAL SUPPLEMENTAL SURVEY + TERRAMETRICS OF NM.



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NOV 04 2009

HYDROLOGY
SECTION

Clark Consulting Engineers	
19 Ryan Road Edgewood, New Mexico 87015	
Tel: (505) 281-2444 Fax: (505) 281-2444	
DATE	REVISION
11/14/09	Asst. Eng. Landscape
TRACT 2, LANDS OF GORMAN ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO QUESTION BUILDING 2212 4TH STREET, NW	
Grading & Drainage Plan	
DESIGNED BY: PWC	DRAWN BY: CCE
CHECKED BY: PWC	DATE: 9/8/09
JOB #: Question_Bldg	FILE #: G/D
1 OF 1	