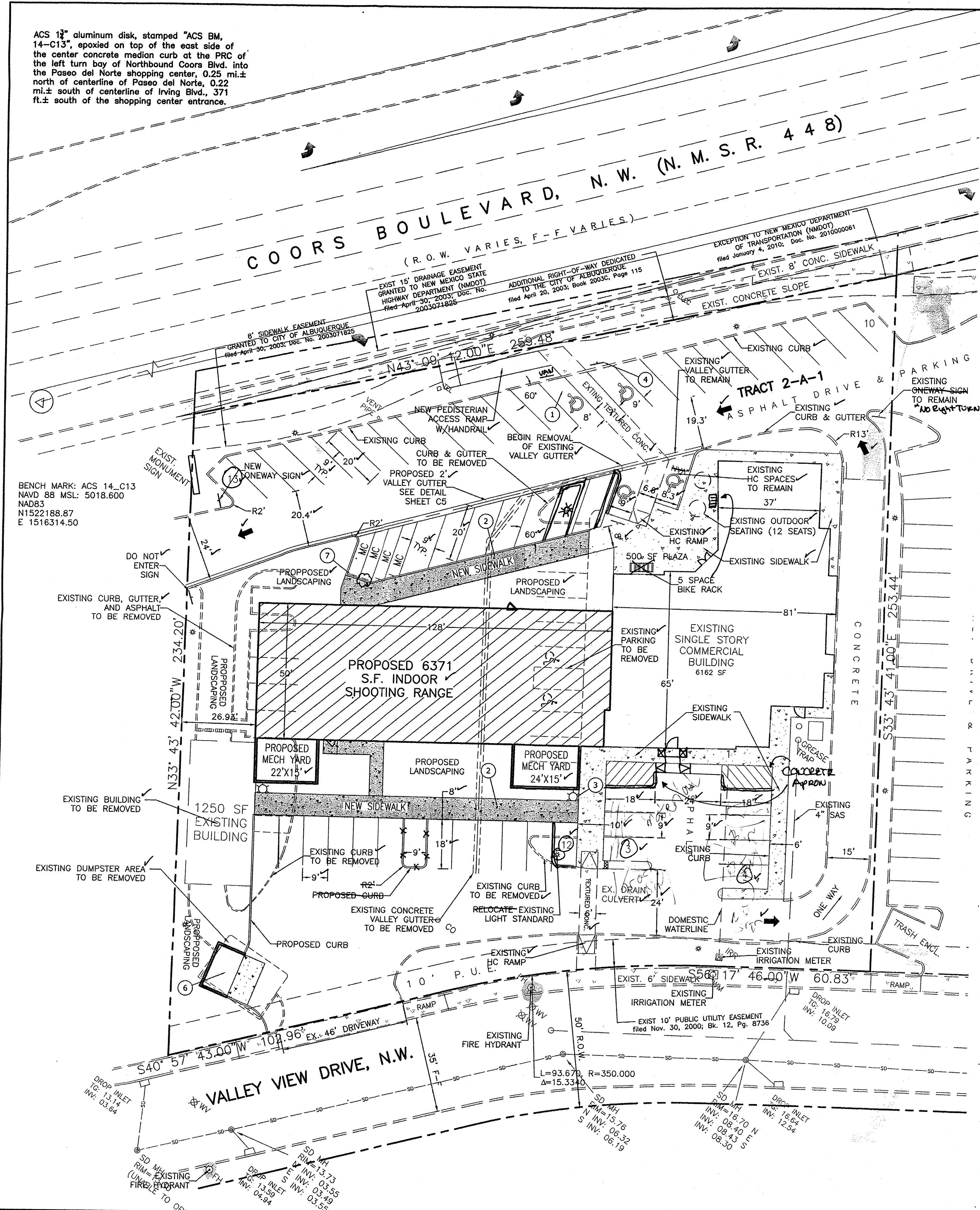


ACS 1 1/2" aluminum disk, stamped "ACS BM, 14-C13", epoxied on top of the east side of the center concrete median curb at the PRC of the left turn bay of Northbound Coors Blvd. into the Paseo del Norte shopping center, 0.25 mi.± north of centerline of Paseo del Norte, 0.22 mi.± south of centerline of Irving Blvd., 371 ft.± south of the shopping center entrance.



BENCH MARK: ACS 14_C13
NAVD 88 MSL: 5018.600
NAD83
N1522188.87
E 1516314.50

- LEGEND**
- CURB & GUTTER
 - - - BOUNDARY LINE
 - - - EASEMENT
 - - - CENTERLINE
 - - - RIGHT-OF-WAY
 - ▭ BUILDING
 - ▨ SIDEWALK
 - ▩ SCREEN WALL
 - ▧ RETAINING WALL
 - ☀ STREET LIGHTS
 - - - LANE
 - - - STRIPING
 - - - EXISTING CURB & GUTTER
 - - - EXISTING BOUNDARY LINE
 - ▨ EXISTING SIDEWALK
 - - - EXISTING LANE
 - - - EXISTING STRIPING
 - ▩ BICYCLE RACK

- SITE LEGEND**
- ① ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" INDICATES VAN ACCESSIBLE SPACE).
 - ② 8" CONCRETE SIDEWALK PER COA STD. DWG. 2430.
 - ③ PEDESTRIAN LIGHTING, TYPICAL.
 - ④ HC PARKING SIGN AND BOLLARD. SEE DETAIL, SHEET C5.
 - ⑤ STANDARD CURB AND GUTTER PER COA STD. DWG. 2415A.
 - ⑥ DUMPSTER ENCLOSURE.
 - ⑦ MOTORCYCLE PARKING SIGN. SEE DETAIL, SHEET C5.

SITE DATA
ZONING: SU-1, FOR C-1 USES AS DESCRIBED IN 03EPC00685 (INDOOR SHOOTING RANGE)

PROPOSED USAGE: INDOOR SHOOTING RANGE & RETAIL SALES
LOT AREA: 63,453 SF (1.37 ACRES)

BUILDING AREA:
SHOOTING RANGE 6371 SF (15 LANES)
RETAIL SALES 6162 SF
TOTAL 12,533 SF

PARKING REQUIRED: 31 SPACES (6,162 SF/1 SPACE PER 200 SF)
PARKING REQUIRED: 15 SPACES (1 SPACE PER LANE)
TOTAL PARKING REQUIRED: 46 SPACES

PARKING PROVIDED: 51 SPACES

HC PARKING REQUIRED: 4 SPACES
HC PARKING PROVIDED: 4 SPACES
1 SPACE VAN ACCESSIBLE

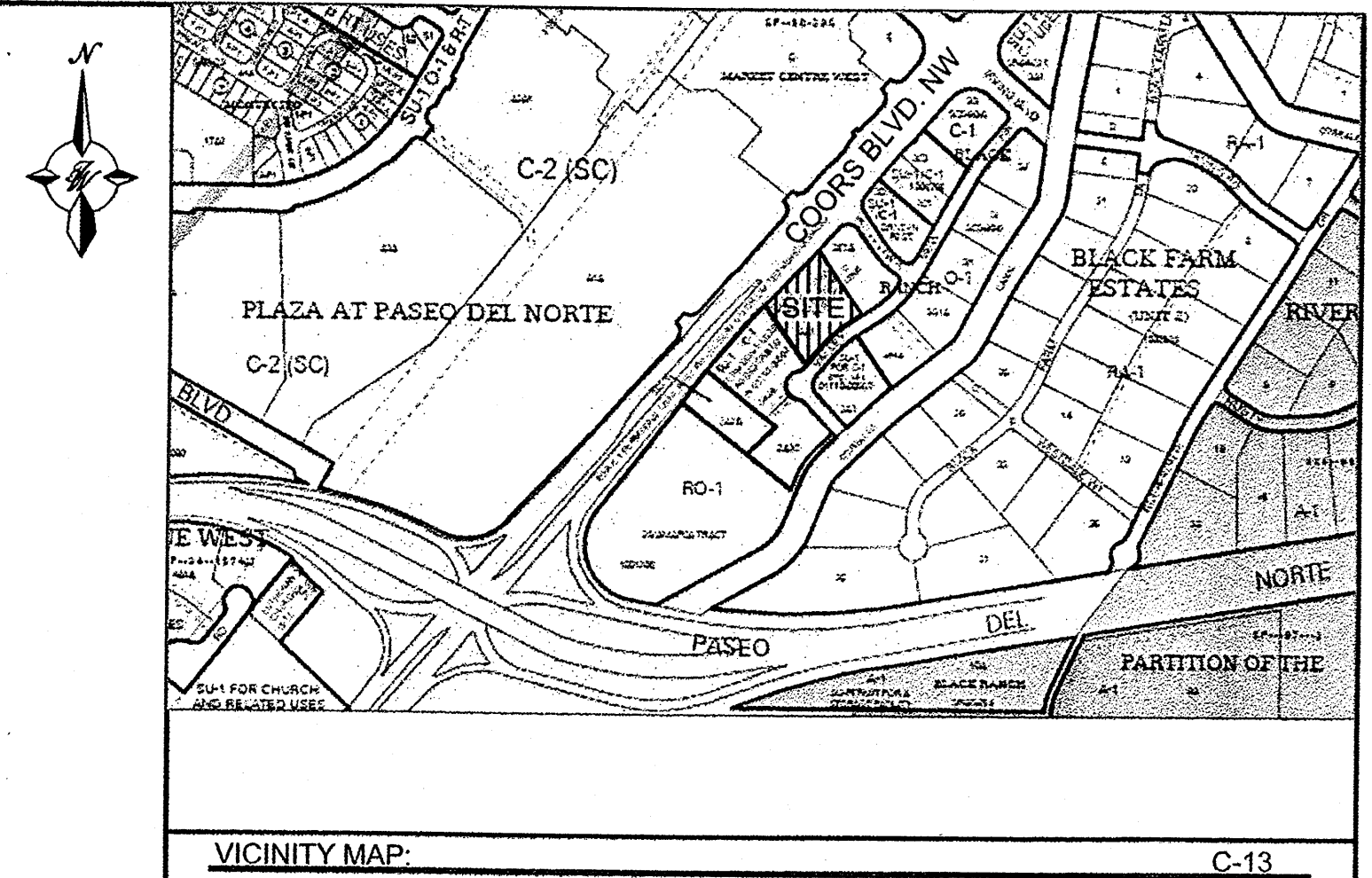
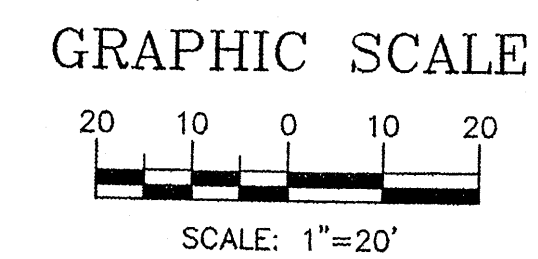
MC PARKING REQUIRED: 4 SPACES
MC PARKING PROVIDED: 4 SPACES

BICYCLE PARKING REQUIRED: 2 SPACES
BICYCLE PARKING PROVIDED: 5 SPACES

LANDSCAPE AREA REQUIRED: 7,425 SF
LANDSCAPE AREA PROVIDED: 13,350 SF

PUBLIC TRANSIT:
BUS ROUTES: 96, 251, 155, 790, 551
BUS STOPS: NB & SB AT INTERSECTION OF COORS RD. & IRVING BLVD.

- INDEX TO DRAWINGS**
- C1. SITE PLAN FOR BUILDING PERMIT
 - C2. LANDSCAPING PLAN
 - C3. GRADING AND DRAINAGE PLAN
 - C4. BUILDING ELEVATIONS
 - C5. DETAIL SHEET
 - C6. VIEW PLANE EXHIBIT
 - C7. VIEW PLANE EXHIBIT



LEGAL DESCRIPTION:
Tract Two-A-One (2-A-1) of BLACK RANCH, a Subdivision in the City of Albuquerque, New Mexico, as the same is shown and designated on the plat thereof, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on April 30, 2003, in Plat Book 2003C, Page 115.
The above described property is located within Zone "X (No Flood Hazards)", Community Panel No. 350002 0116 G, dated September 26, 2008, and is not located within a Special Flood Hazard Boundary indicated by FEMA Flood Insurance Rate Maps. Determination of Flood Hazard is by graphic plotting only.

- EASEMENTS**
1. 8" SIDEWALK EASEMENT granted to the City of Albuquerque per Plat filed April 30, 2003, Book 2003C, Page 115.
 2. EXISTING 10 PUBLIC UTILITY EASEMENT, per Plat filed June 11, 2002, Volume 2002C, Folio 204, to remain.
 3. EXISTING 50' PUBLIC ROADWAY, SANITARY SEWER AND WATER EASEMENT, per Document filed May 2, 2002, Book A35, Page 7258 (Valley View Drive NW), to remain.
 4. EXISTING PUBLIC UTILITY EASEMENT, per Document filed November 30, 2000, Book A12, Page 8738 to remain.
 5. Additional right-of-way dedicated to the City of Albuquerque in fee simple with warranty covenants by the Plat of Tracts 2-A-1, 2-A-2, 2-A-3, 3E-1-A and 3E-1-B, Black Ranch, filed April 30, 2003, in Plat Book 2003C, Page 115.

NOTE: Said Tract 2-A-1 is subject to all restrictions, conditions and requirements as set forth in that certain "DECLARATION OF PROTECTIVE COVENANTS, RESTRICTIONS AND GRANT OF EASEMENTS", filed in the office of the County Clerk of Bernalillo County, New Mexico on April 30, 2003, in Book A55, Page 1686

PROJECT NUMBER: 1001206
APPLICATION NUMBER: 13EPC-40150

This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC), dated 12-12-13, and the Findings and Conditions in the Official Notification of Decision are satisfied.

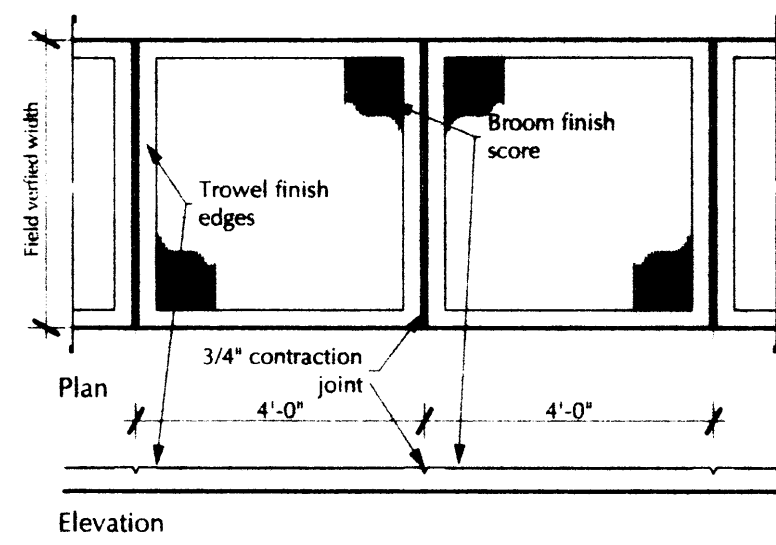
Is an Infrastructure List required? () Yes () No If Yes, then a set of approved DRD plans with a work order is required for any construction within Public Right-of-Way or for construction of public improvements.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

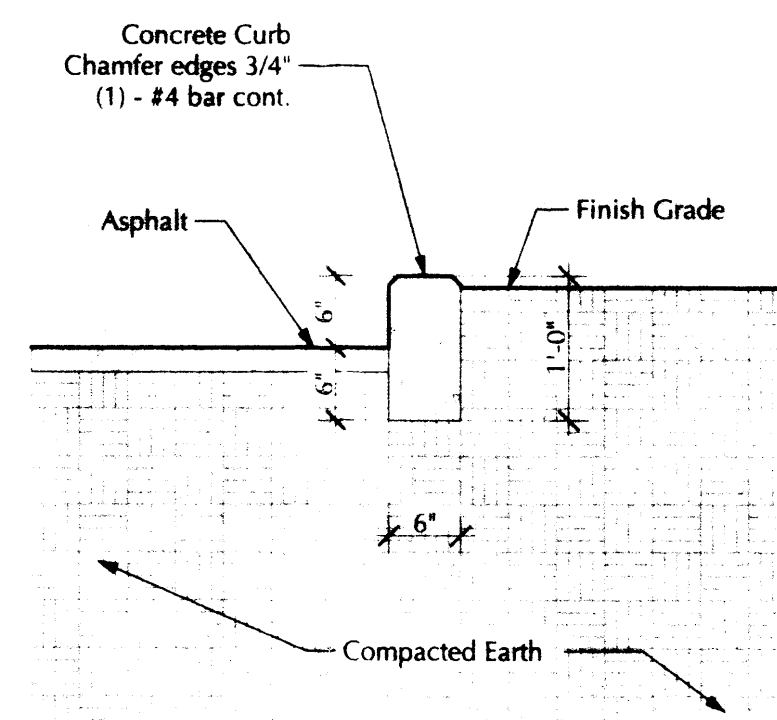
Traffic Engineer, Transportation Division	02-03-14
Allen Penter	01/22/14
Water Utility Development	
Carol S. Dumont	1-22-14
Parks & Recreation Department	
Ante a Chem	1-22-14
City Engineer	
Environmental Health Department (conditional)	
Joe Whittle	1-13-14
Spill Waste Management	
DRB Chairperson, Planning Department	2-4-14

* Environmental Health, if necessary

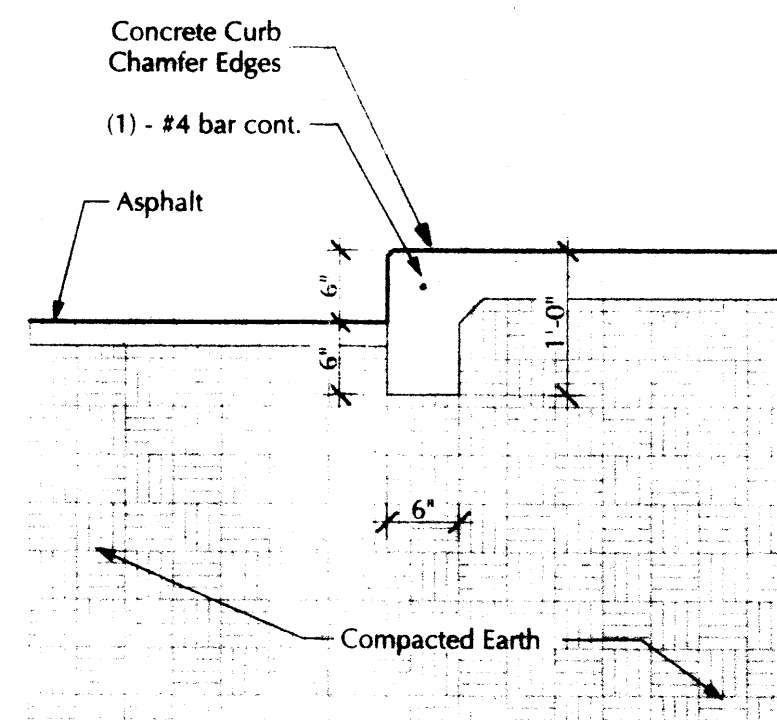
	CALIBERS ALBUQUERQUE, NM	DRAWN BY SBH
	SITE PLAN FOR BUILDING PERMIT	DATE 12/17/13
	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com	2013033_SPE
		SHEET # C1
		JOB # 2013033



A Sidewalk Finish



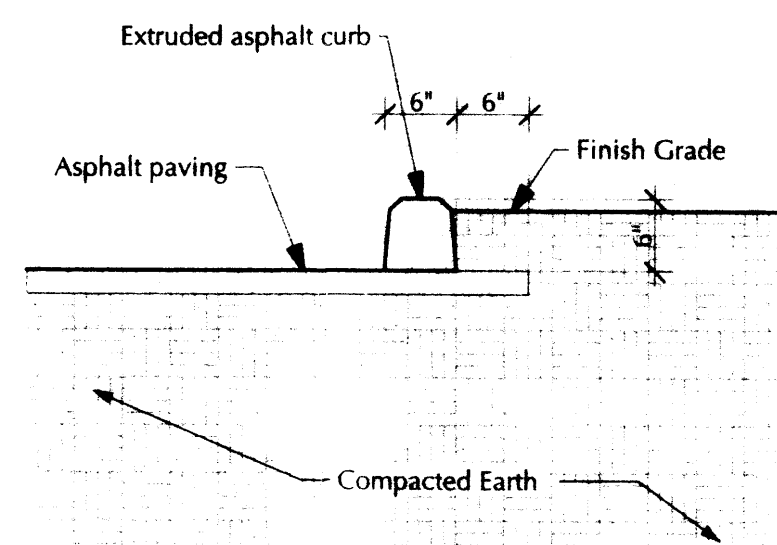
B Stand-up Curb



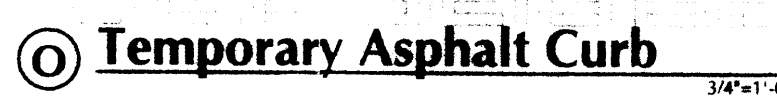
C Detail Not Used



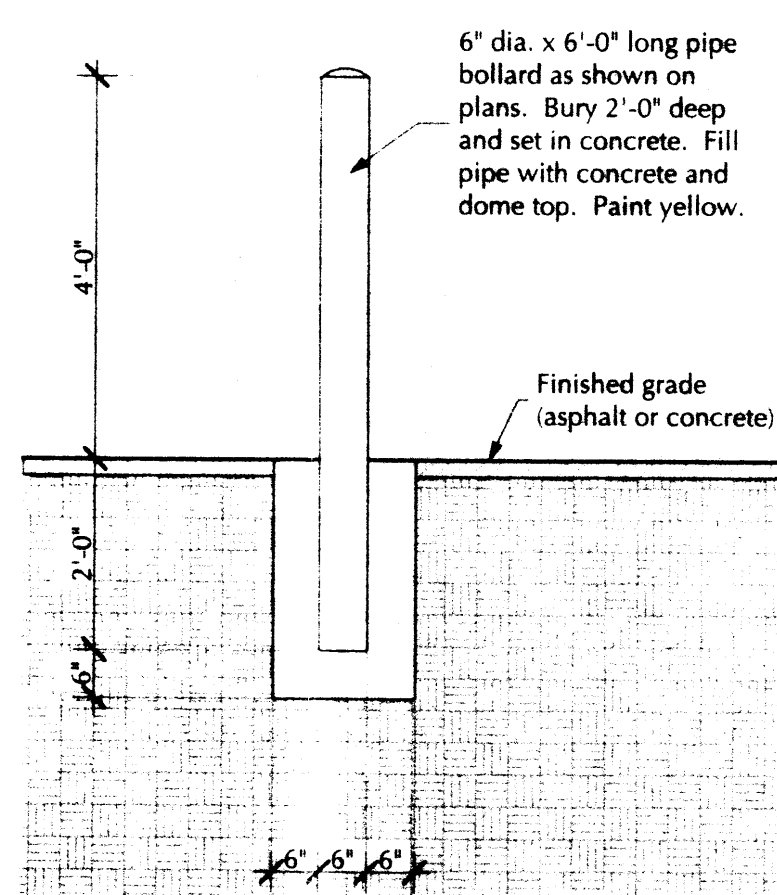
D Turn Down Curb



E Detail Not Used

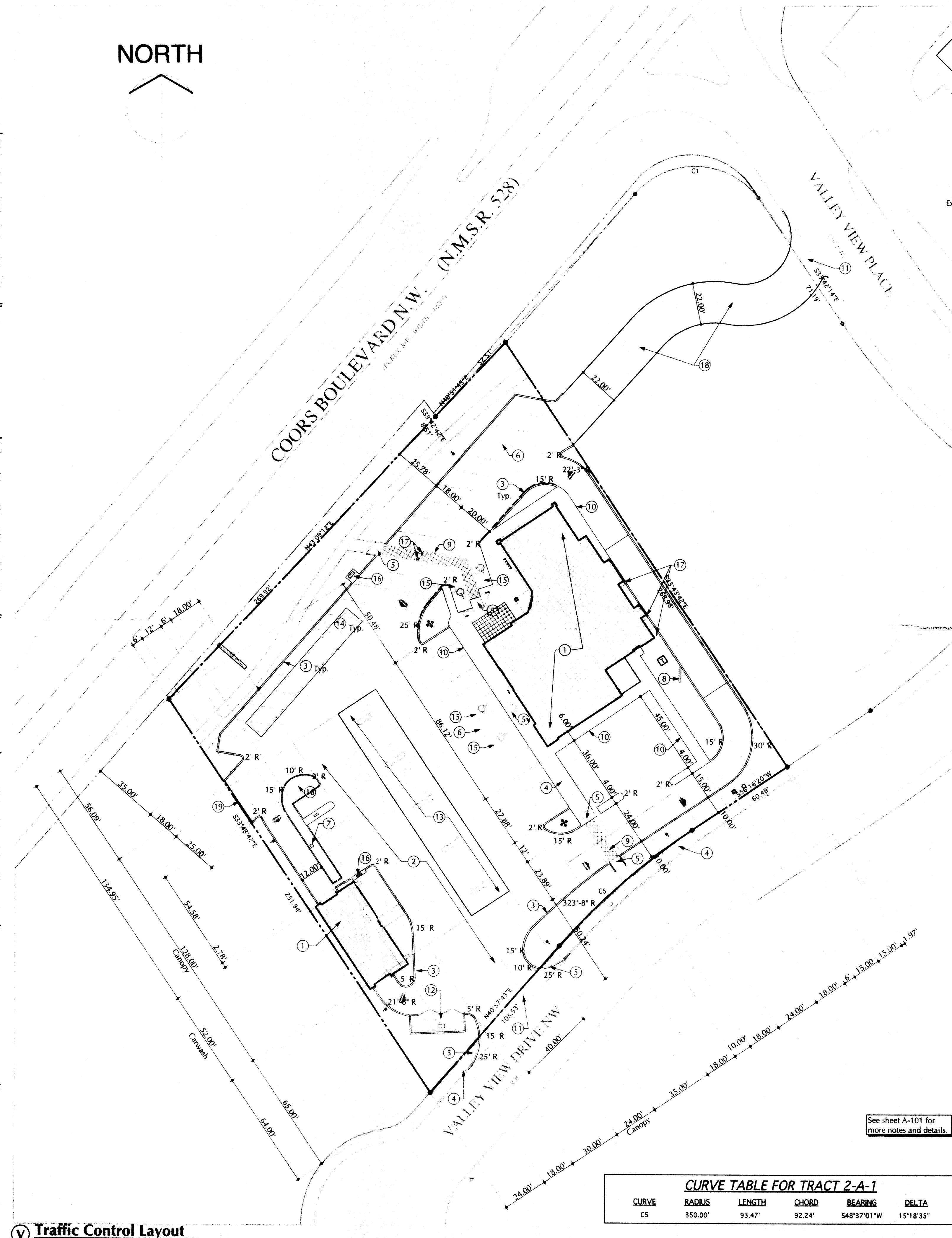


F Temporary Asphalt Curb

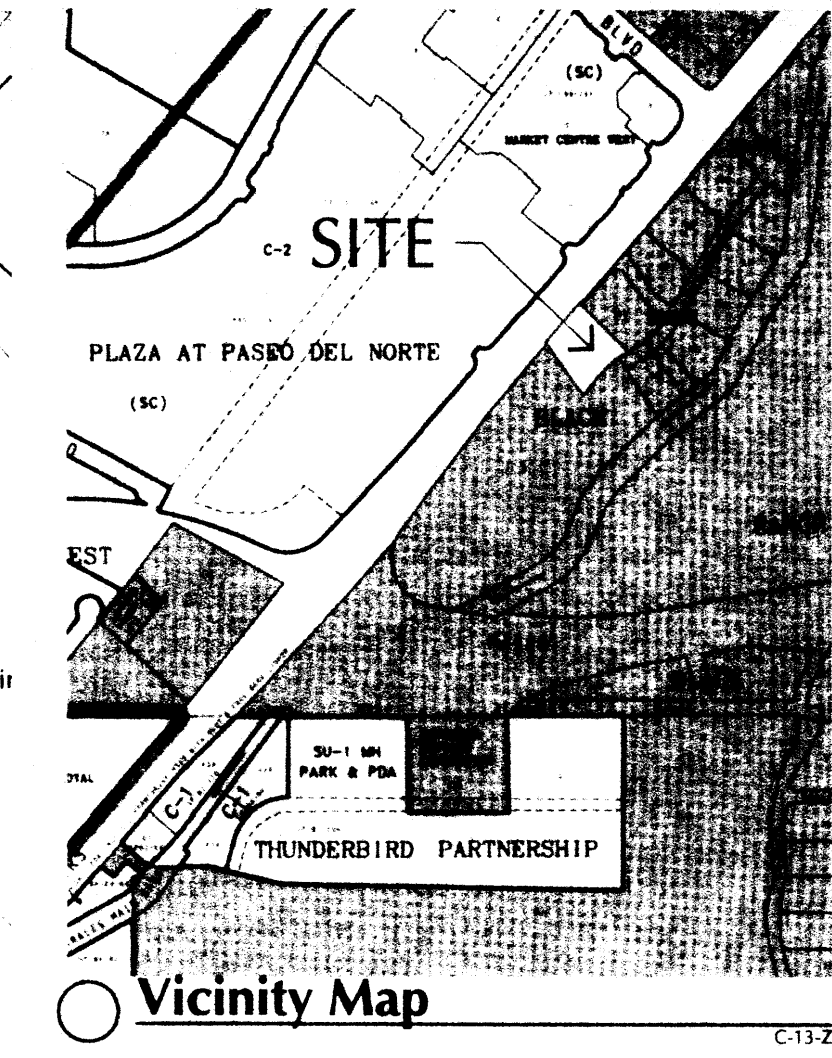


G Bollard

H Detail Not Used



I Traffic Control Layout

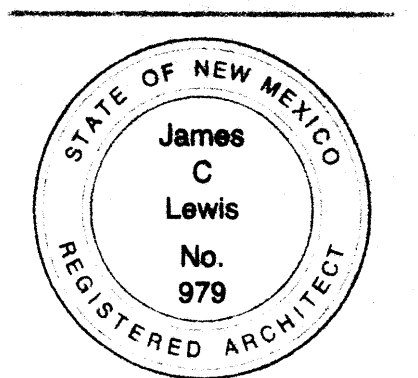


The engineer's certification required by the hydrology section needs to include certification that this site was constructed in accordance with the traffic circulation layout (TCL) before the certification of occupancy is released.

- M Notes**
1. Building locations
 2. Asphalt paving
 3. 6" curb - see detail 'H' on this sheet & sheet A-101
 4. Concrete sidewalk - 6' wide unless otherwise noted
 5. Concrete curb ramp per City of Albuquerque specifications
 6. 4" wide painted striping - white or yellow, typical
 7. Car wash controls - verify location
 8. Menu & order board
 9. Colored & textured concrete pedestrian crossing
 10. Turn down curb - see detail 'B' on this sheet
 11. Driveway constructed per City of Albuquerque standards
 12. Dumpster enclosure
 13. Gas canopy & pumps
 14. Typical parking space (18' asphalt + 2' overhang) long x 9'-0" (8'-6" min.) wide
 15. Handicapped parking space (18' asphalt + 2' overhang) long x 8'-0" wide
 16. Telephone, air, or water
 17. Bollards - see detail 'G' on this sheet
 18. Temporary asphalt paving with asphalt curb
 19. Temporary asphalt curb

CURVE TABLE FOR TRACT 2-A-1

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
CS	350.00'	93.47'	92.24'	S48°37'01"W	15°18'35"



Schlegel Lewis Architects
 1620 Central Ave SE
 Albuquerque, NM 87106
 (505) 247-1529
 FAX (505) 243-6701
 gw@slaw.com

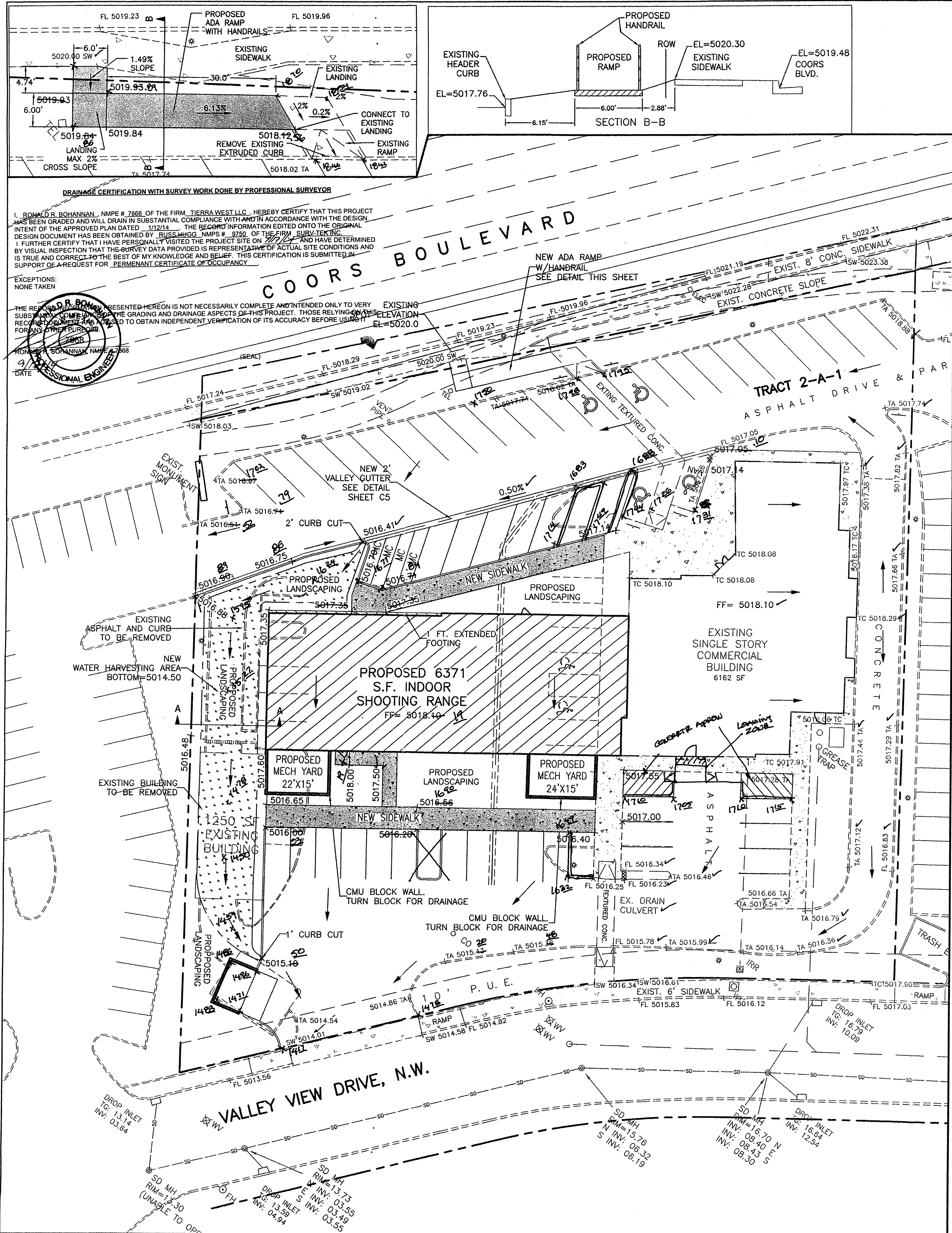
WWB Partnership
 6121 Indian School Road NE, Suite 215
 Albuquerque, NM 87110
 (505) 883-8400, FAX: (505) 883-8600
 www.wwbjail.com

Wendy's & Winners
 9320 Coors Blvd NW
 Albuquerque New Mexico 87114

ISSUE DATE:
 18 APR 03
 REVISIONS:

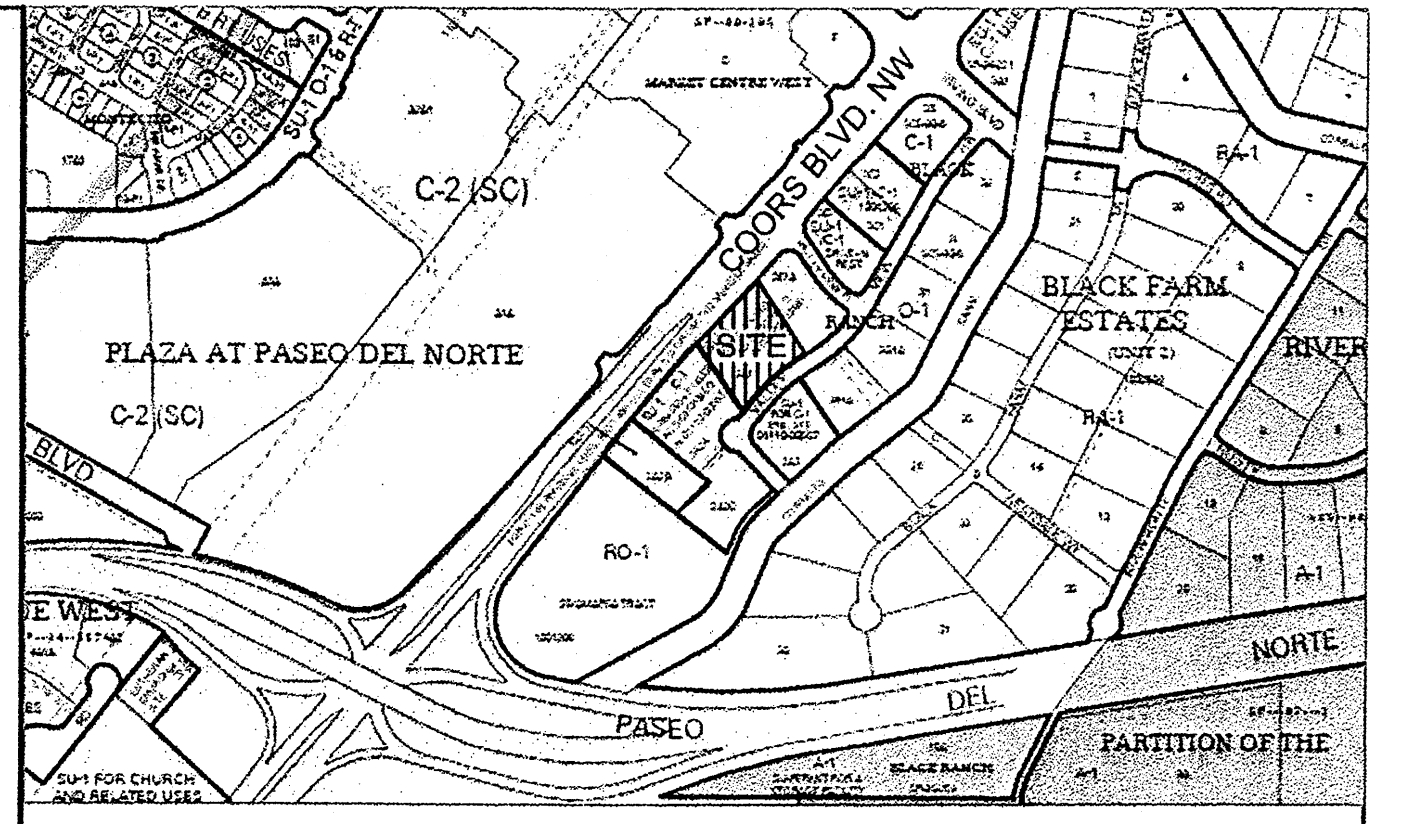
Traffic Control Layout
 PROJECT 0215 SHEET **TCL** OF 45

J Keyed Notes

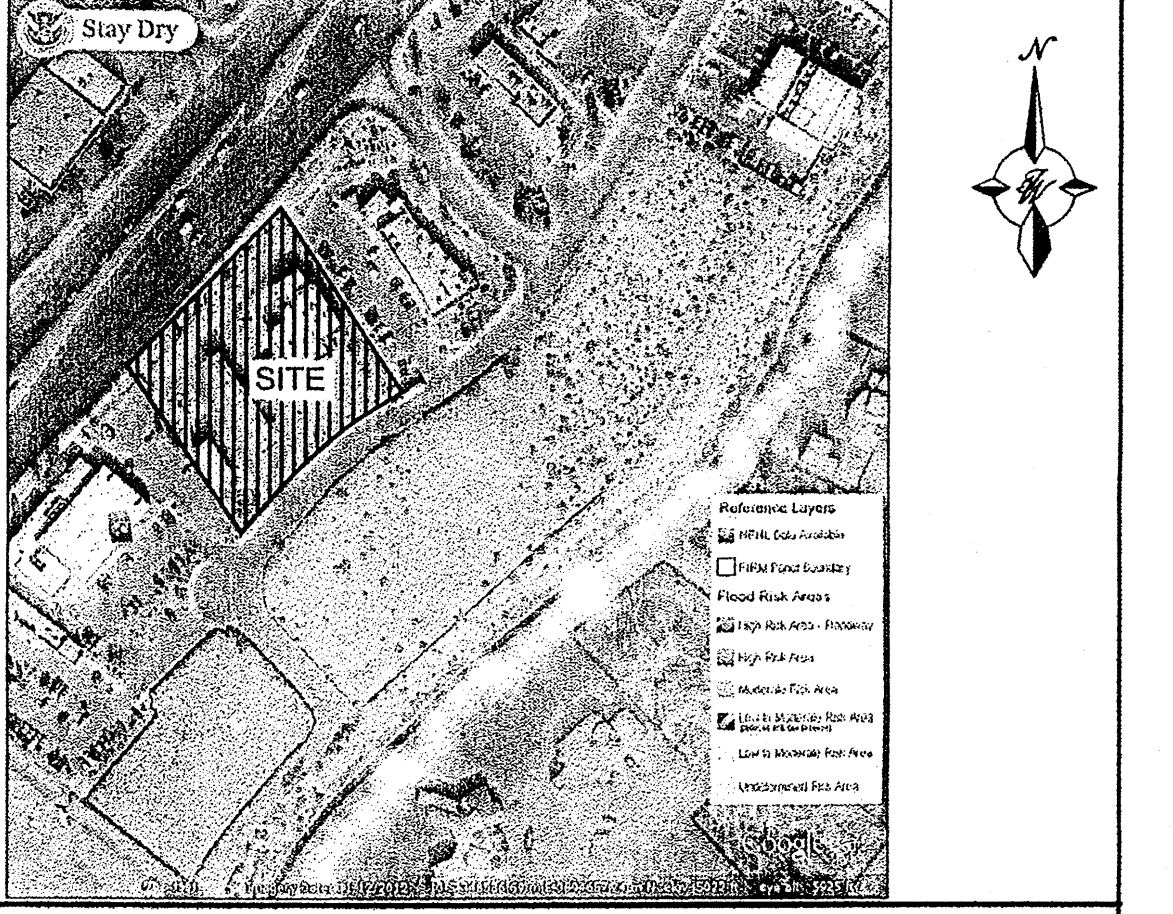


LEGEND

- CURB & GUTTER
- - - BOUNDARY LINE
- - - EASEMENT
- - - CENTERLINE
- - - RIGHT-OF-WAY
- - - BUILDING
- - - SIDEWALK
- - - SCREEN WALL
- - - RETAINING WALL
- - - 5010 CONTOUR MAJOR
- - - 5011 CONTOUR MINOR
- x 5048.25 SPOT ELEVATION
- FLOW ARROW
- - - EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- - - 5010 EXISTING CONTOUR MAJOR
- - - 5011 EXISTING CONTOUR MINOR
- x 5048.25 EXISTING SPOT ELEVATION



VICINITY MAP:

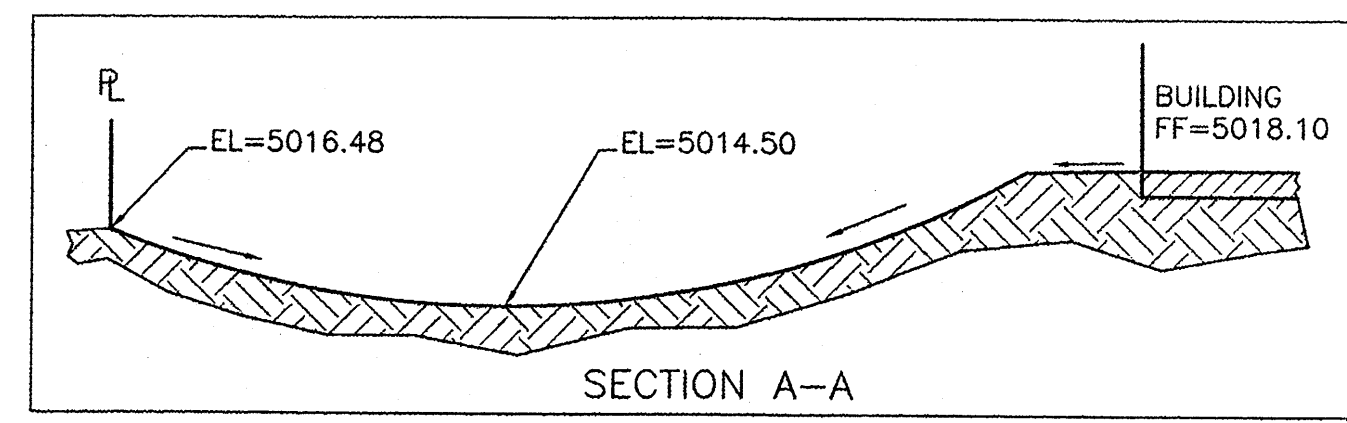


FIRM MAP: FLOOD ZONE X 35001C0116G

EXISTING DRAINAGE:
 THE SITE IS CURRENTLY DEVELOPED AND SURFACE DRAINS ALL OF THE STORM WATER FROM THE NORTHWEST TO THE SOUTHEAST. THE EXISTING BUILD ROOF DRAINS ARE ALL LOCATED ON THE NORTH SIDE OF THE BUILDING AND DRAIN TO THE DRIVE-THRU. THERE, THE ROOF DRAINAGE SURFACE DRAINS TO THE SOUTHEAST CORNER OF THE SITE. ALL OF THE STORM WATER DRAINS OUT OF THE ENTRANCE TO THE PROPERTY AND INTO AN EXISTING DROP INLET. FROM THERE THE STORM WATER IS CONVEYED TO AN AMFCA DETENTION POND AT THE NORTHEAST CORNER OF PASEO DEL NORTE AND COORS BOULEVARD. THIS SITE IS ALLOWED FREE DISCHARGE OF THE DEVELOPED FLOWS. ACCORDING TO THE WILSON & CO. DRAINAGE MASTER PLAN APPROVED MARCH 18, 2003 THIS SITE FALLS WITHIN BASIN D-10 WHICH CONTAINS 3.95 ACRES AND HAS A DEVELOPED DISCHARGE OF 15.90 CFS.

PROPOSED DRAINAGE:
 FOR THE MOST PART THE SITE WILL CONTINUE TO DRAIN AS IT HAS PREVIOUSLY. THE ONLY CHANGE WILL BE THAT THE PARKING LOT ALONG COORS BOULEVARD WILL NOW DRAIN THROUGH A DEPRESSED LANDSCAPE AREA WHICH WILL BE A PASSIVE WATER HARVESTING AREA WITH ENOUGH VOLUME FOR 2200 CUBIC FEET OF STORAGE BEFORE THE POND OVER FLOWS TO THE EAST AND FOLLOWS ITS ORIGINAL DRAINAGE PATH. THAT AREA WILL CAPTURE ABOUT 20% OF THE 100 YR STORM, TWICE THE REQUIRED AMOUNT FOR THE FIRST FLUSH. THE BUILDING EXPANSION WILL BE TAKING THE PLACE OF THE GAS PUMPS, GAS PUMP CANOPY AND PARKING AREA. SINCE THIS SITE IS PART OF A LARGER BASIN A PERCENTAGE OF THE ALLOWABLE DISCHARGE FROM THE WILSON REPORT WAS TAKEN BASED ON LAND AREA. THAT CALCULATION ESTABLISHED THIS SITE SHOULD BE ALLOWED TO DISCHARGE 5.51 CFS. BASED ON THE REVISED HYDROLOGY CALCULATIONS SHOWN IN THE TABLE BELOW THE SITE WILL DISCHARGE 5.21 CFS WHICH IS BELOW THE ALLOWABLE DISCHARGE OF 5.51 CFS.

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NOTICE TO CONTRACTORS

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4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year			10-Year						
			%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs				
1	59,572	1.37	0%	0	24%	0.33	0%	0.00	76%	1.04	1.658	0.189	5.21	0.995	0.113	3.25

Equations:

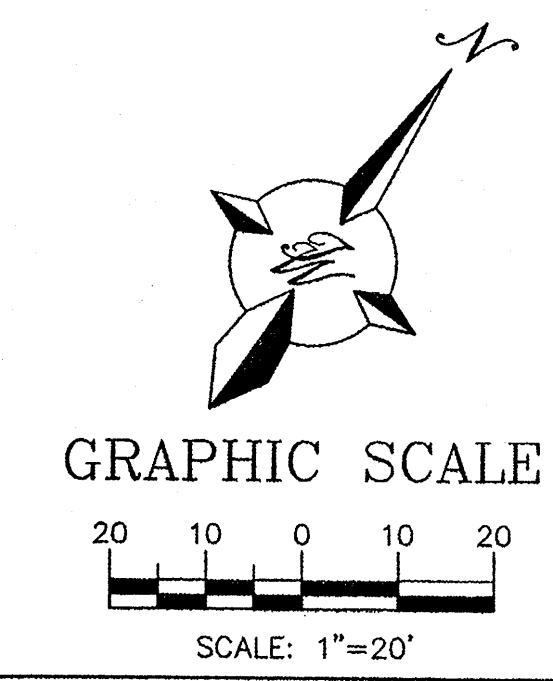
Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted E * Total Area

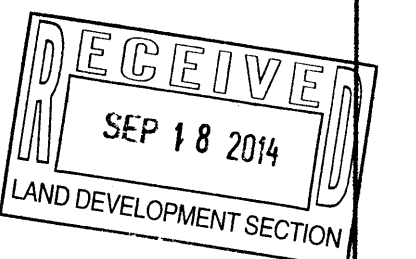
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

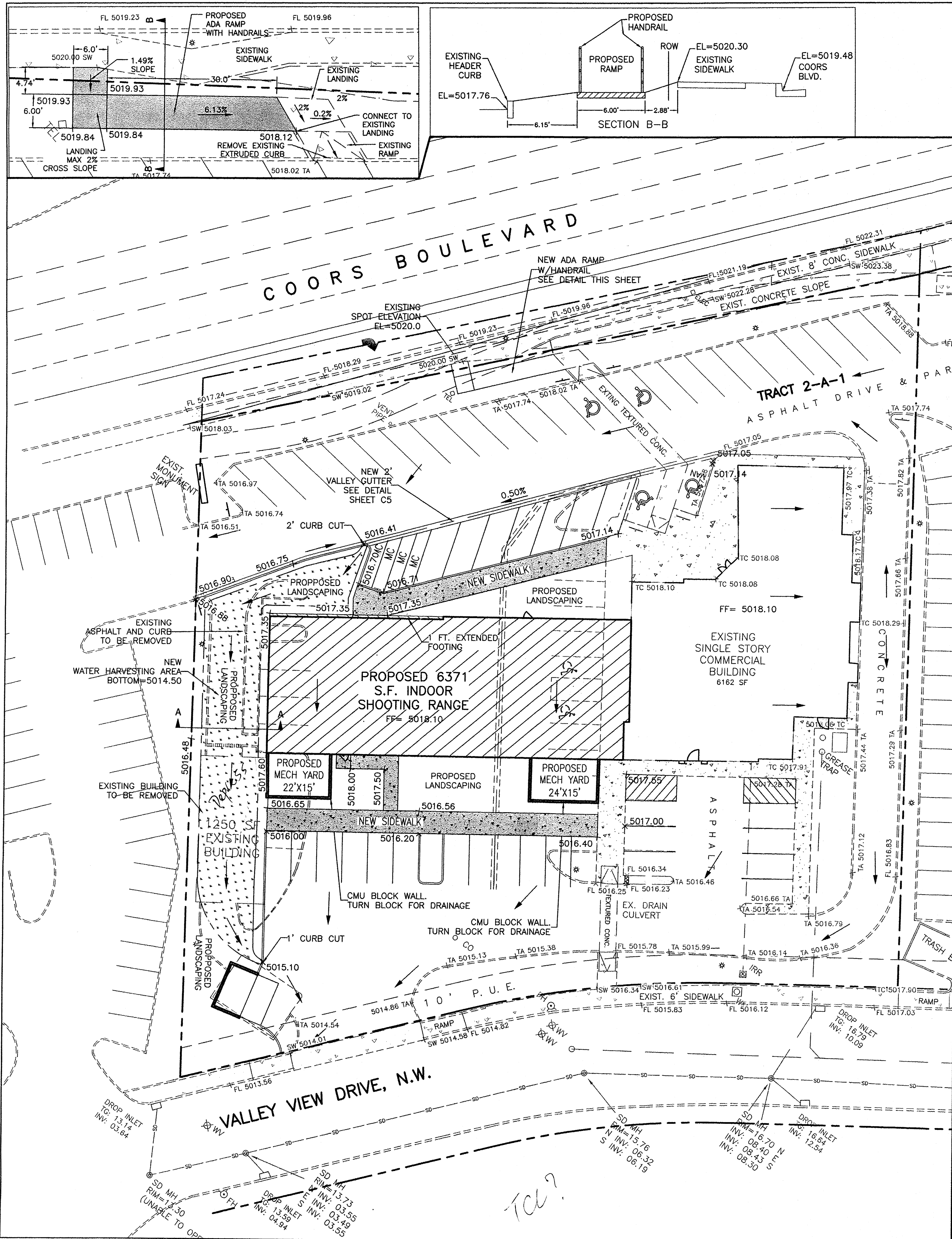
Excess Precipitation, E (inches)				Peak Discharge (cfs/acre)		
Zone	100-Year	10-Year	Zone	100-Year	10-Year	
Ea	0.44	0.08	Qa	1.29	0.24	
Eb	0.67	0.22	Qb	2.03	0.76	
Ec	0.99	0.44	Qc	2.87	1.49	
Ed	1.97	1.24	Qd	4.37	2.89	

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	ENGINEER'S SEAL JONATHAN D. NISKI P.E. #18713	CALIBERS ALBUQUERQUE, NM GRADING AND DRAINAGE PLAN	DRAWN BY BJF DATE 01/22/14 2013033_GRE
		TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrewestllc.com	SHEET # C3 JOB # 2013033





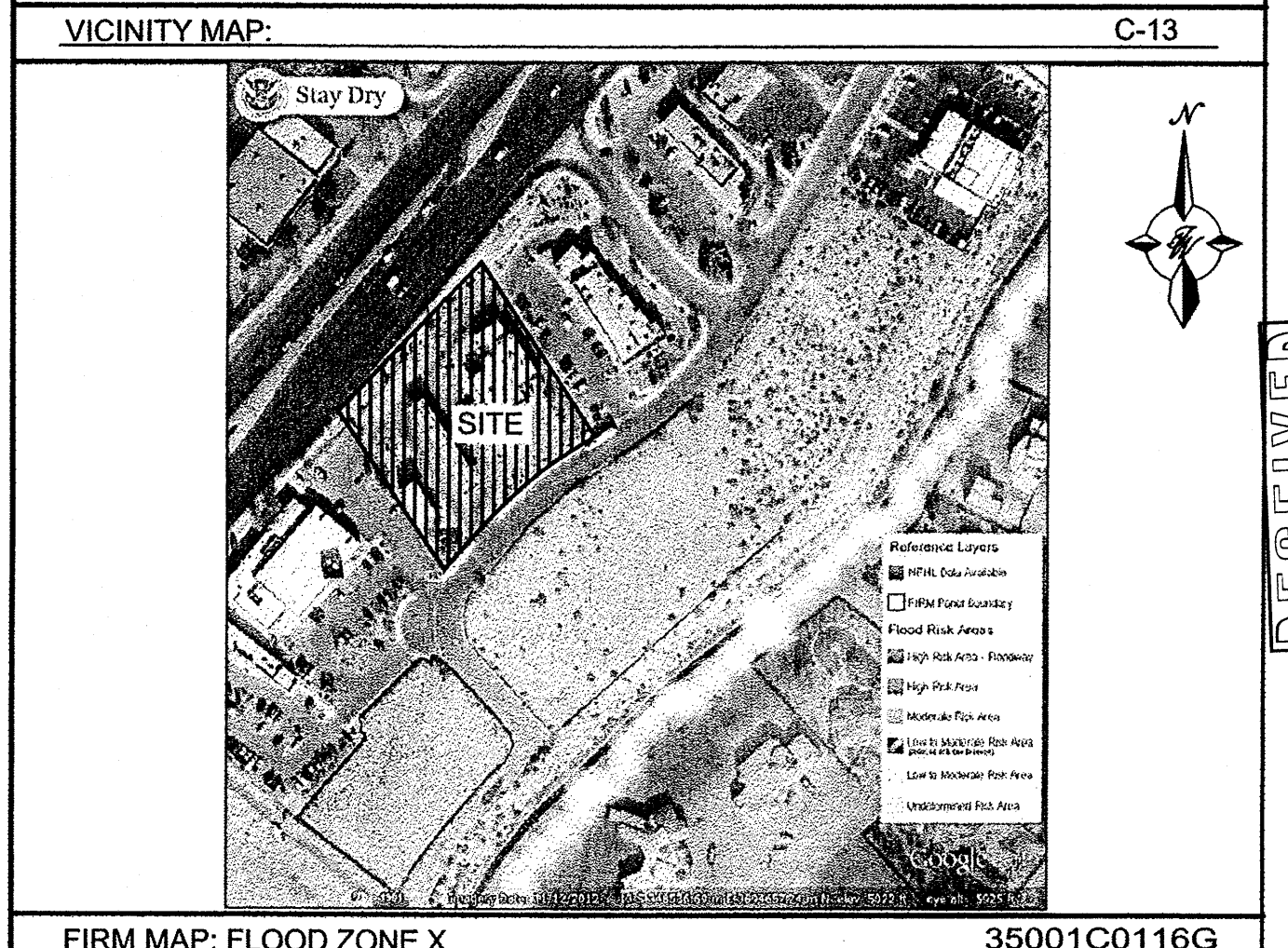
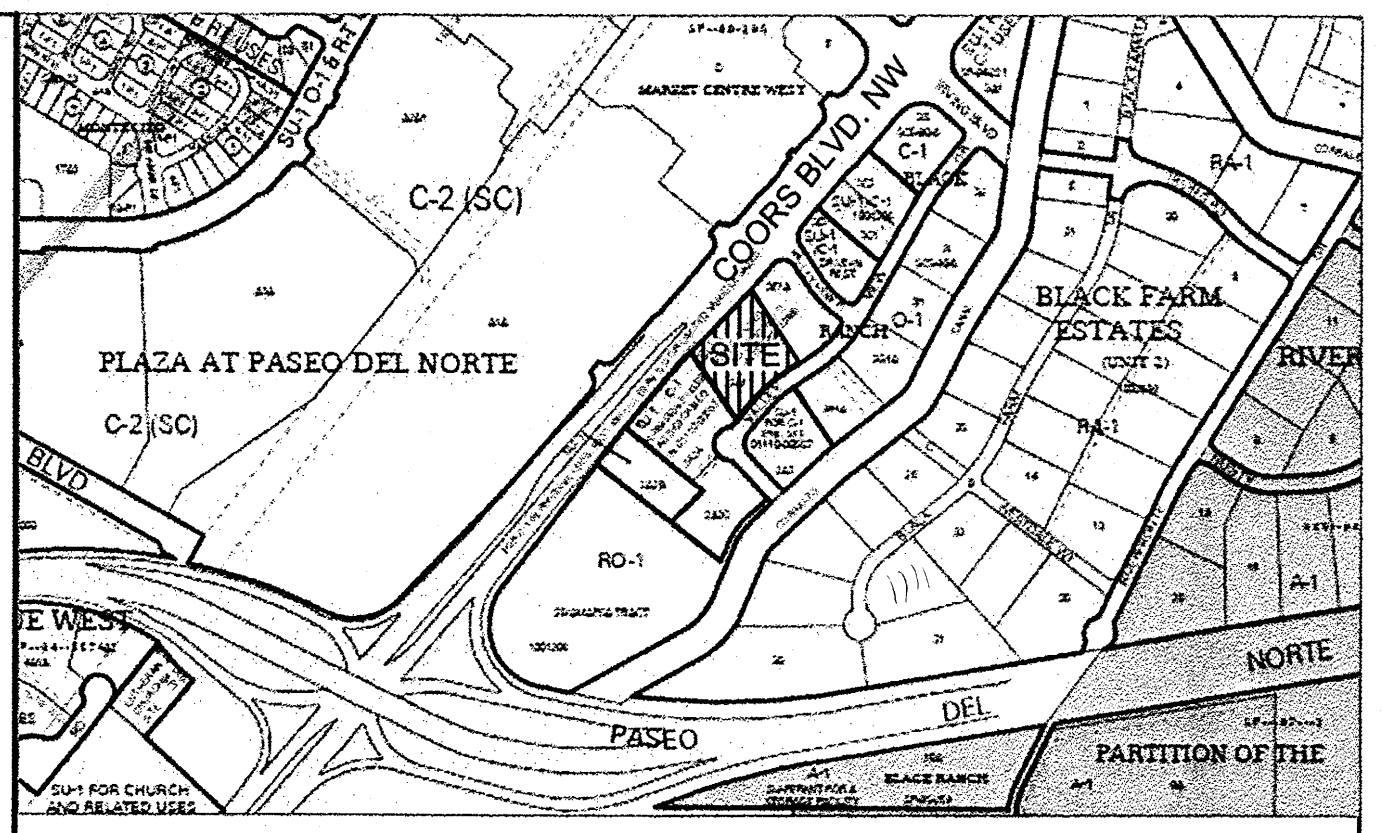
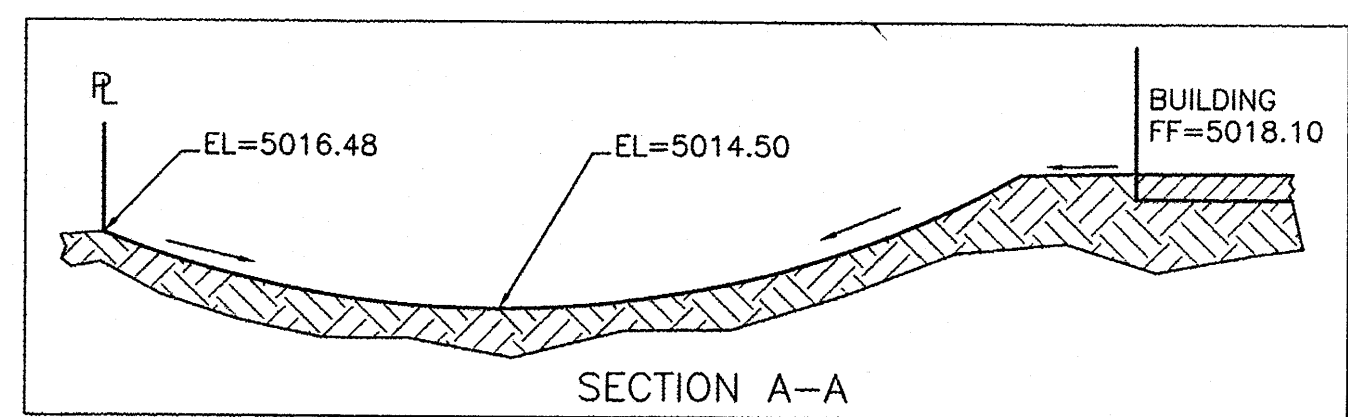
LEGEND

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	SCREEN WALL
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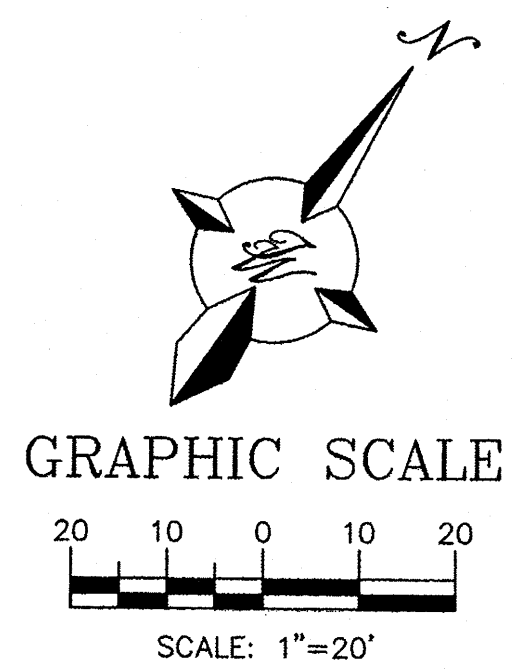
Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year		10-Year						
			Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs			
1	59,572	1.37	0%	24%	0.33	0%	0.00	78%	1.04	1.658	0.189	5.21	0.995	0.113	3.25

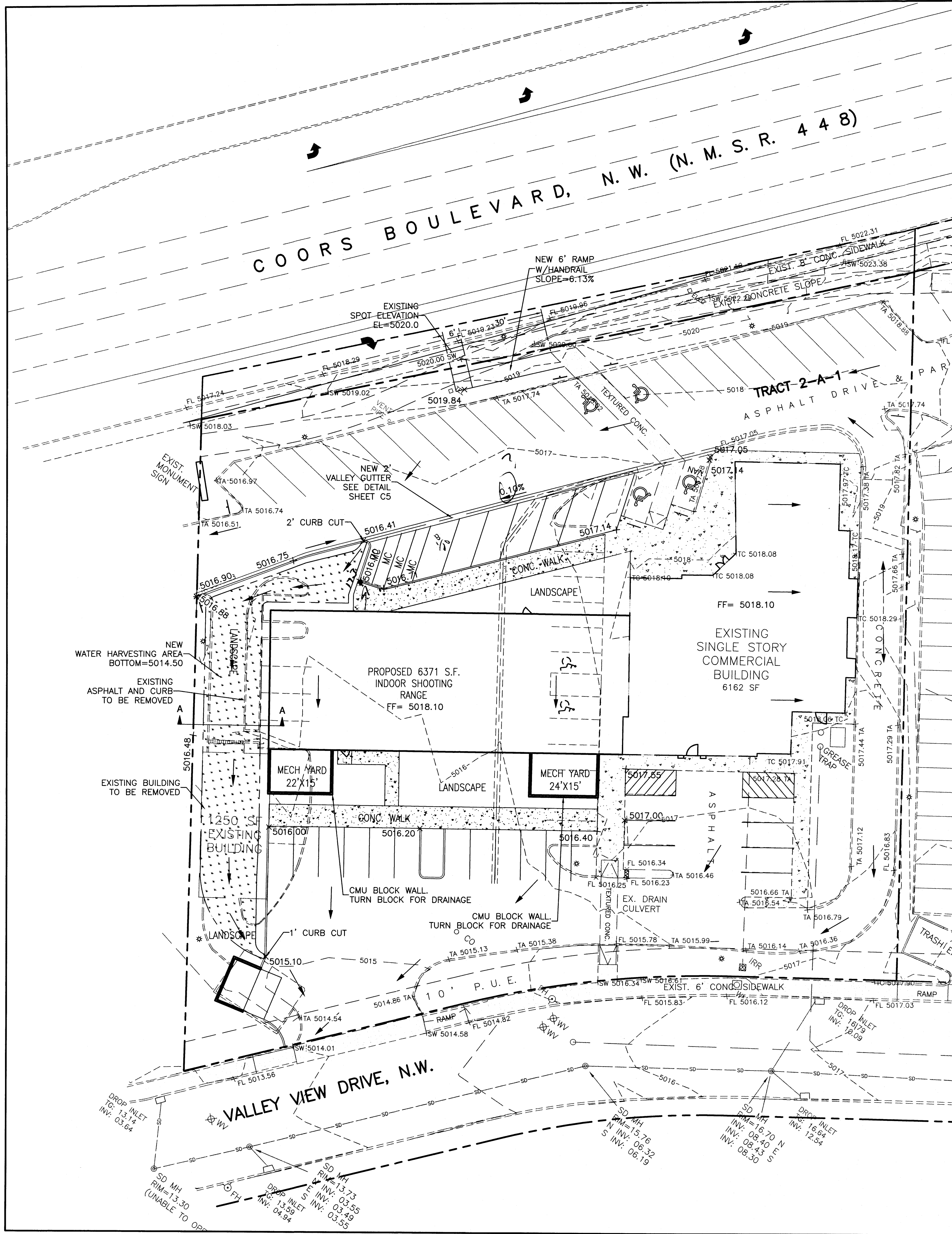
Equations:
 Weighted E = Ea * Aa + Eb * Ab + Ec * Ac + Ed * Ad / (Total Area)
 Volume = Weighted E * Total Area
 Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Zone	Excess Precipitation, E (inches)			Peak Discharge (cfs/acre)		
	100-Year	10-Year	10-Year	Zone 1	100-Year	10-Year
Ea	0.44	0.08		Qa	1.29	0.24
Eb	0.67	0.22		Qb	2.03	0.76
Ec	0.99	0.44		Qc	2.87	1.49
Ed	1.97	1.24		Qd	4.37	2.89

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 ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.



 JONATHAN D. NISKI P.E. #18713	CALIBERS ALBUQUERQUE, NM GRADING AND DRAINAGE PLAN	DRAWN BY BJF DATE 01/22/14 2013033_GRE
	 TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com	SHEET # C3 JOB # 2013033



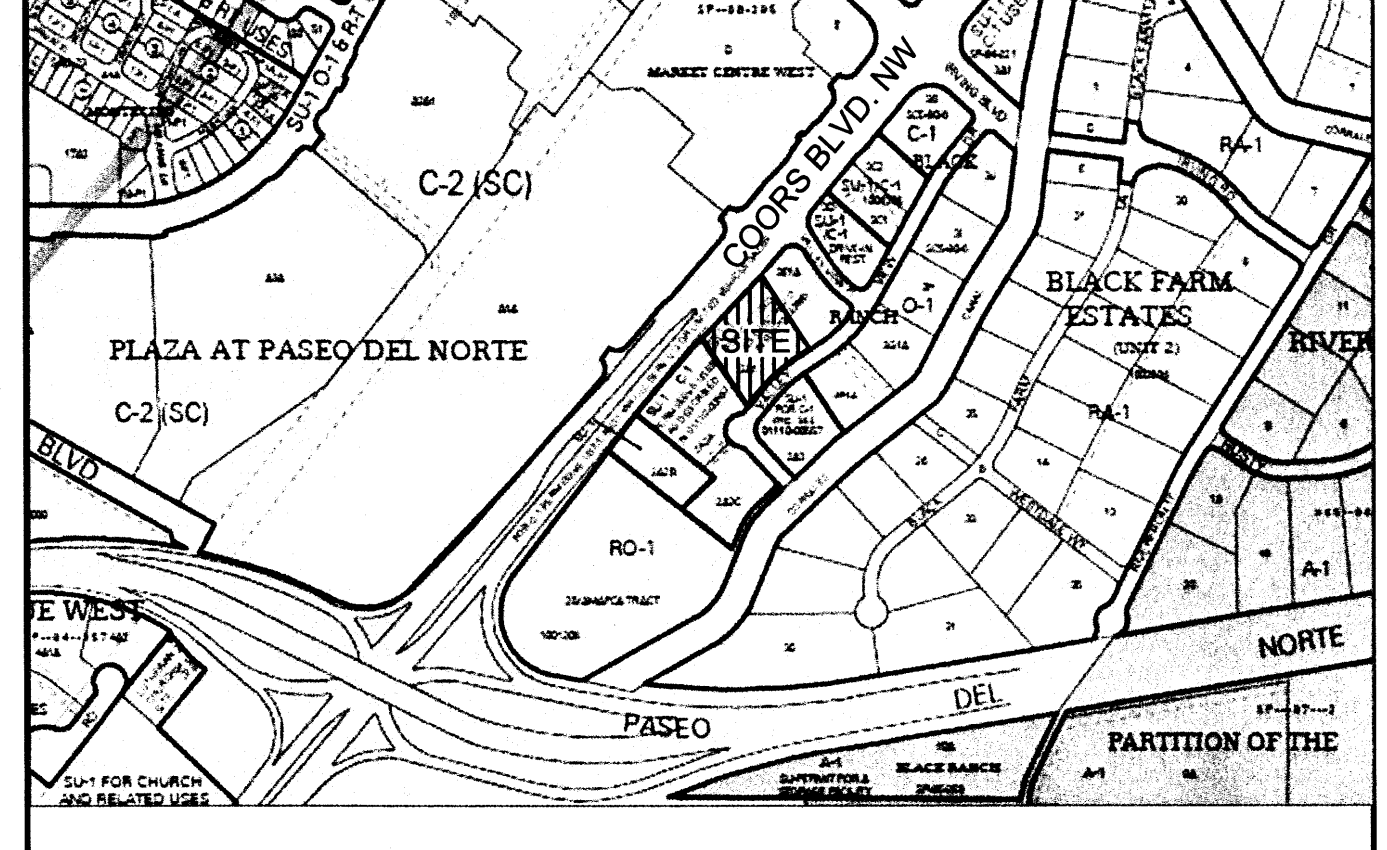
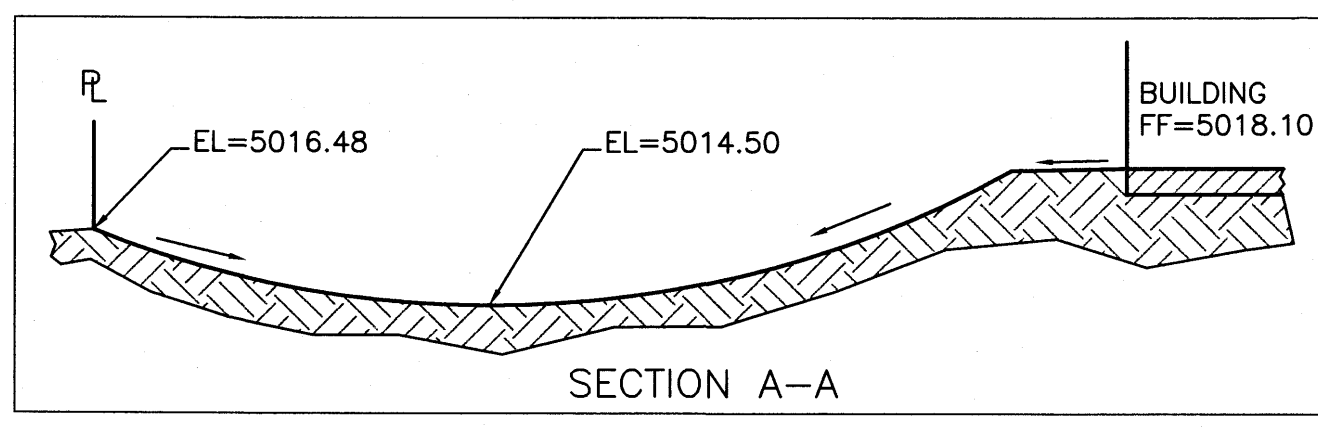
LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- BUILDING
- SIDEWALK
- SCREEN WALL
- RETAINING WALL
- 5010 — CONTOUR MAJOR
- 5011 — CONTOUR MINOR
- x 5048.25 SPOT ELEVATION
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- 5010 — EXISTING CONTOUR MAJOR
- 5011 — EXISTING CONTOUR MINOR
- x 5048.25 EXISTING SPOT ELEVATION

EXISTING DRAINAGE:
 THE SITE IS CURRENTLY DEVELOPED AND SURFACE DRAINS ALL OF THE STORM WATER FROM THE NORTHWEST TO THE SOUTHEAST. THE EXISTING BUILD ROOF DRAINS ARE ALL LOCATED ON THE NORTH SIDE OF THE BUILDING AND DRAIN TO THE DRIVE-THRU. THERE, THE ROOF DRAINAGE SURFACE DRAINS TO THE SOUTHWEST CORNER OF THE SITE. ALL OF THE STORM WATER DRAINS OUT OF THE ENTRANCE TO THE PROPERTY AND INTO AN EXISTING DROP INLET. FROM THERE THE STORM WATER IS CONVEYED TO AN AMAFCA DETENTION POND AT THE NORTHEAST CORNER OF PASEO DEL NORTE AND COORS BOULEVARD. THIS SITE IS ALLOWED FREE DISCHARGE OF THE DEVELOPED FLOWS. ACCORDING TO THE WILSON & CO. DRAINAGE MASTER PLAN APPROVED MARCH 18, 2003 THIS SITE FALLS WITHIN BASIN D-10 WHICH CONTAINS 3.95 ACRES AND HAS A DEVELOPED DISCHARGE OF 15.90 CFS.

PROPOSED DRAINAGE:
 FOR THE MOST PART THE SITE WILL CONTINUE TO DRAIN AS IT HAS PREVIOUSLY. THE ONLY CHANGE WILL BE THAT THE PARKING LOT ALONG COORS BOULEVARD WILL NOW DRAIN THROUGH A DEPRESSED LANDSCAPE AREA WHICH WILL BE A PASSIVE WATER HARVESTING AREA WITH ENOUGH VOLUME FOR 2200 CUBIC FEET OF STORAGE BEFORE THE POND OVER FLOWS TO THE EAST AND FOLLOWS IT'S ORIGINAL DRAINAGE PATH. THAT AREA WILL CAPTURE ABOUT 20% OF THE 100 YR STORM, TWICE THE REQUIRED AMOUNT FOR THE FIRST FLUSH. THE BUILDING EXPANSION WILL BE TAKING THE PLACE OF THE GAS PUMPS, GAS PUMP CANOPY AND PARKING AREA. SINCE THIS SITE IS PART OF A LARGER BASIN A PERCENTAGE OF THE ALLOWABLE DISCHARGE FROM THE WILSON REPORT WAS TAKEN BASED ON LAND AREA. THAT CALCULATION ESTABLISHED THIS SITE SHOULD BE ALLOWED TO DISCHARGE 5.51 CFS. BASED ON THE REVISED HYDROLOGY CALCULATIONS SHOWN IN THE TABLE BELOW THE SITE WILL DISCHARGE 5.21 CFS WHICH IS BELOW THE ALLOWABLE DISCHARGE OF 5.51 CFS.

SINCE THIS IS AN EXISTING SITE THAT WILL ADD A STRUCTURE ONTO AN EXISTING BUILDING IT IS ESTIMATED THAT ONLY 0.47 ACRES OF THE SITE WILL BE DISTURBED FOR THE CONSTRUCTION. THAT IS HALF OF THE ONE ACRE REQUIREMENT FOR AN EROSION CONTROL PLAN SO ONE IS NOT PREPARED FOR THIS SITE.



- NOTICE TO CONTRACTORS**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year			10-Year					
			Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Flow (cfs)	Weighted E (ac-ft)	Volume (ac-ft)	Flow (cfs)				
1	59,572	1.37	0%	24%	0.33	0%	0.00	76%	1.04	1.658	0.189	5.21	0.995	0.113	3.25

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

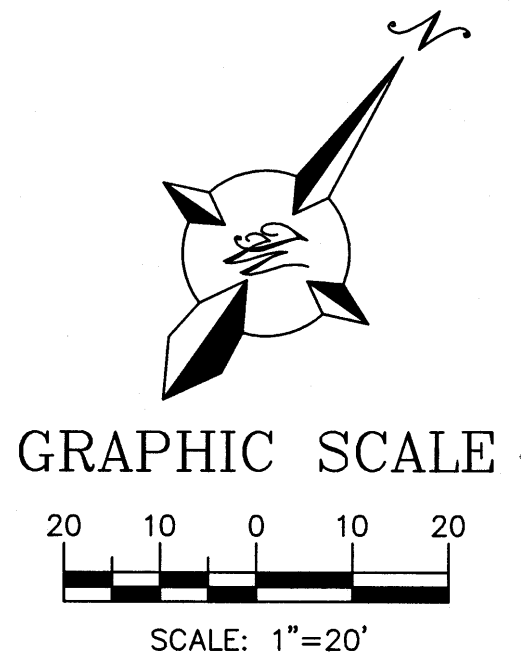
Volume = Weighted E * Total Area

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

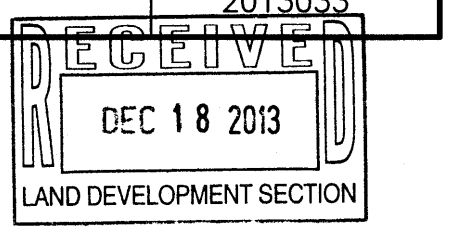
Excess Precipitation, E (inches)	Peak Discharge (cfs/acre)	
	Zone 1	100-Year
E_a	0.44	0.08
E_b	0.67	0.22
E_c	0.99	0.44
E_d	1.97	1.24

Peak Discharge (cfs/acre)	100-Year		10-Year	
	Zone 1	100-Year	Zone 1	10-Year
Q_a	1.29	0.24		
Q_b	2.03	0.76		
Q_c	2.87	1.49		
Q_d	4.37	2.89		

CAUTION:
 ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.



	CALIBERS ALBUQUERQUE, NM GRADING AND DRAINAGE PLAN	DRAWN BY SBH DATE 12/18/13
		SHEET # C3 JOB # 2013033



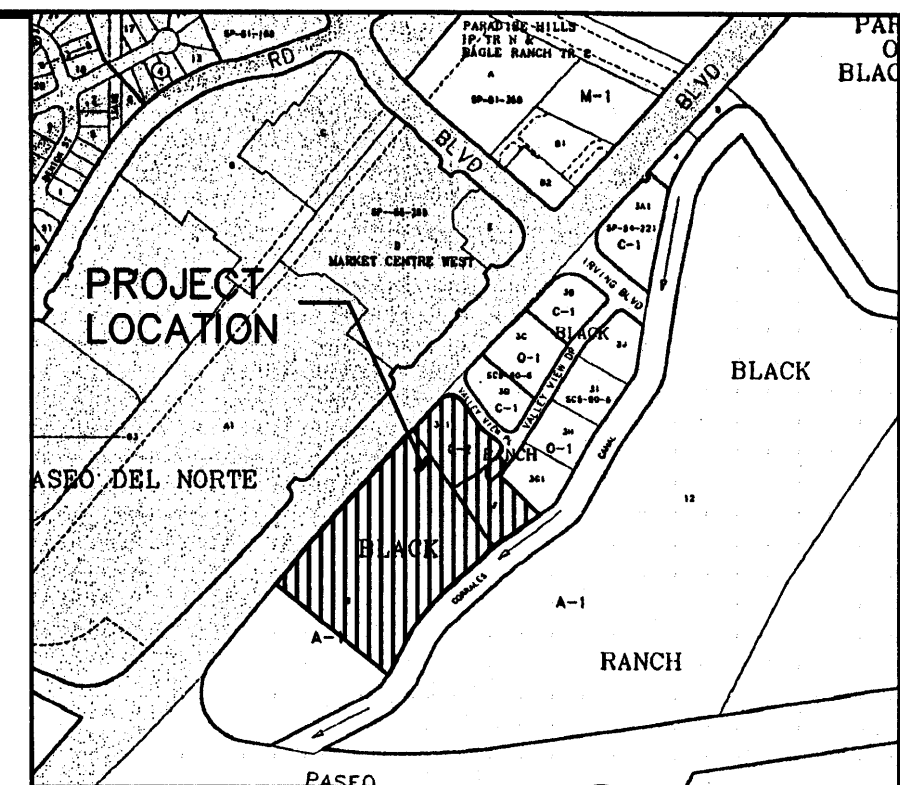
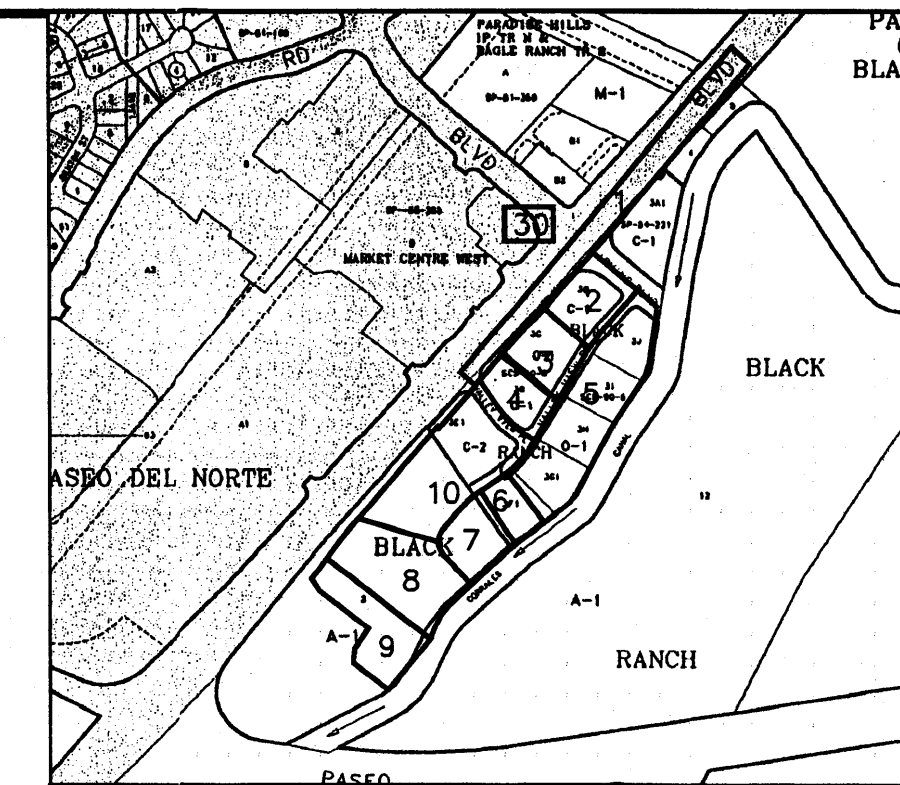
EXISTING CONDITIONS

THE PROJECT SITE CONSISTS OF APPROXIMATELY 11.6 ACRES, MOST OF WHICH IS UNDEVELOPED. TRACTS ADJACENT TO THE EXISTING LENGTH OF VALLEY VIEW DRIVE DRAIN TOWARD THE STREET WITH THE MAJORITY OF THE RUNOFF BEING INTERCEPTED BY TEMPORARY DESILTING PONDS. RUNOFF THAT DOES REACH THE STREET IS CONVEYED TO AN EXISTING DETENTION POND IN TRACT 3F-1. TRACT 2A PRIMARILY DRAINS TO THE SOUTHWEST INTO TRACT 2B, AN AMAFCA TRACT SLATED TO BECOME A REGIONAL DETENTION FACILITY. RUNOFF GENERATED BY OFFSITE BASINS WEST OF COORS BLVD DISCHARGE INTO AN EXISTING SWALE PARALLELING COORS BLVD. THESE FLOWS ALONG WITH RUNOFF GENERATED BY COORS BLVD EVENTUALLY PASS INTO AN EXISTING POND IN TRACT 2B BY WAY OF AN INLET NEAR THE SOUTHWEST CORNER OF TRACT 2B. RUNOFF GENERATED BY TRACT 2B AS WELL AS THOSE FLOWS CROSSING INTO TRACT 2B MENTIONED ABOVE ARE ROUTED THROUGH AN EXISTING DETENTION POND ALONG THE SOUTHERN BOUNDARY. THE DISCHARGE POINT FOR THE EXISTING DETENTION POND IS THE CORRALES MAIN CANAL.

PROPOSED CONDITIONS

PROPOSED CONDITIONS INCLUDE THE CONSTRUCTION OF A WENDY'S RESTAURANT AND THE EXTENSION OF VALLEY VIEW DRIVE SOUTH AND THEN EAST TO A POINT ADJACENT TO THE CORRALES MAIN CANAL RIGHT-OF-WAY. ADDITIONAL GRADING WILL ALSO BE PERFORMED ON TRACTS SURROUNDING THE PROPOSED WENDY'S SITE. IT IS PROPOSED THAT RUNOFF FROM TRACTS ADJACENT TO VALLEY VIEW DRIVE WILL DISCHARGE INTO VALLEY VIEW DRIVE. THE STREET WILL CONVEY THE FLOWS SOUTH AND EAST UNTIL ALL FLOWS ARE INTERCEPTED BY A PROPOSED STORM DRAIN WITHIN THE VALLEY VIEW DRIVE RIGHT-OF-WAY. THE STORM DRAIN WILL CONVEY THE RUNOFF TO A PROPOSED DETENTION POND TO BE LOCATED ALONG THE NORTHERN BOUNDARY OF TRACT 2B. THE DETENTION POND WILL THEN DISCHARGE INTO THE EXISTING POND ALONG THE SOUTHERN BOUNDARY OF TRACT 2B AT A RATE EQUAL TO OR LESS THAN THE EXISTING FLOWS CURRENTLY DISCHARGING INTO THE EXISTING POND FROM THE PROJECT SITE. A PORTION OF THE PROJECT SITE SOUTH OF THE VALLEY VIEW DRIVE WILL DRAIN TO A TEMPORARY DESILTING POND NORTHEAST OF THE PROPOSED DETENTION POND. THIS DESILTING POND WILL DISCHARGE INTO THE PROPOSED DETENTION POND VIA THE PROPOSED STORM DRAIN BEGINNING IN VALLEY VIEW DRIVE. A SECOND STORM DRAIN SYSTEM WILL BE CONSTRUCTED ALONG THE EASTERN EDGE OF THE COORS BLVD RIGHT-OF-WAY. THIS STORM DRAIN WILL CONVEY RUNOFF GENERATED BY COORS BLVD AND OFFSITE BASINS WEST OF COORS BLVD TO THE PROPOSED DETENTION POND IN TRACT 2B.

COORS BOULEVARD N.W. (N.M.S.R. 448)
(PUBLIC R/W - WIDTH VARIES)

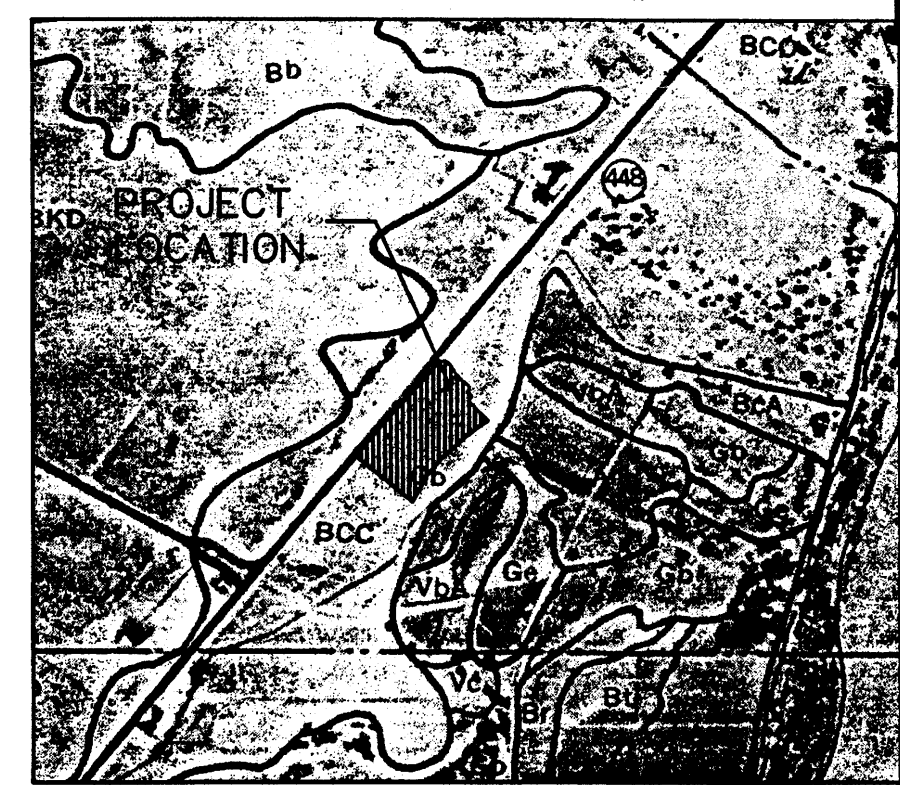


PROPOSED BASINS MAP

LOCATION MAP

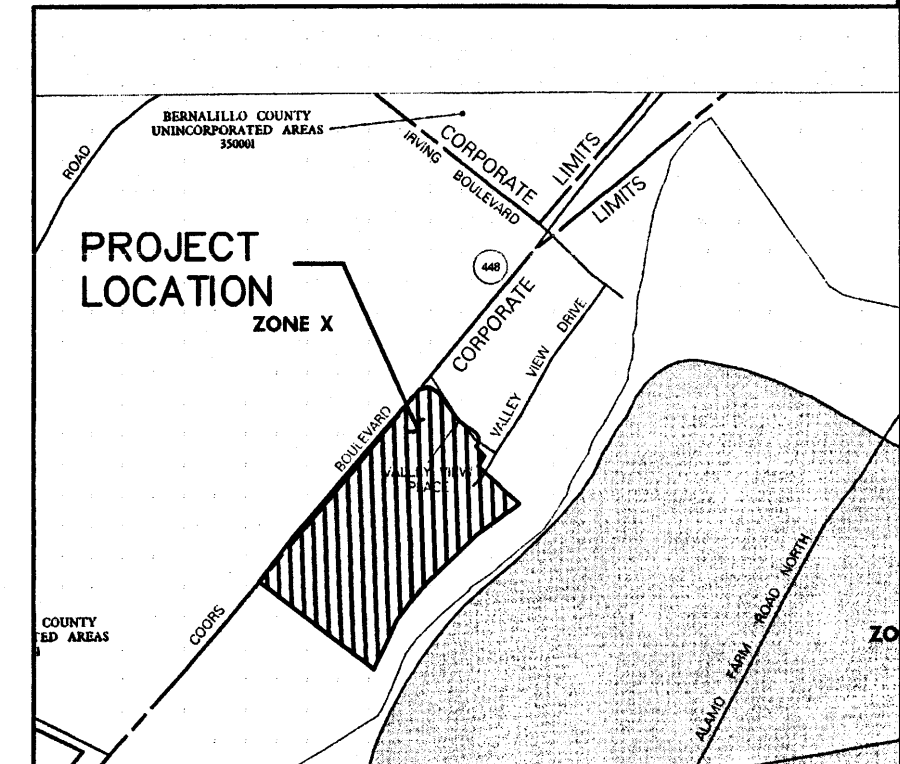
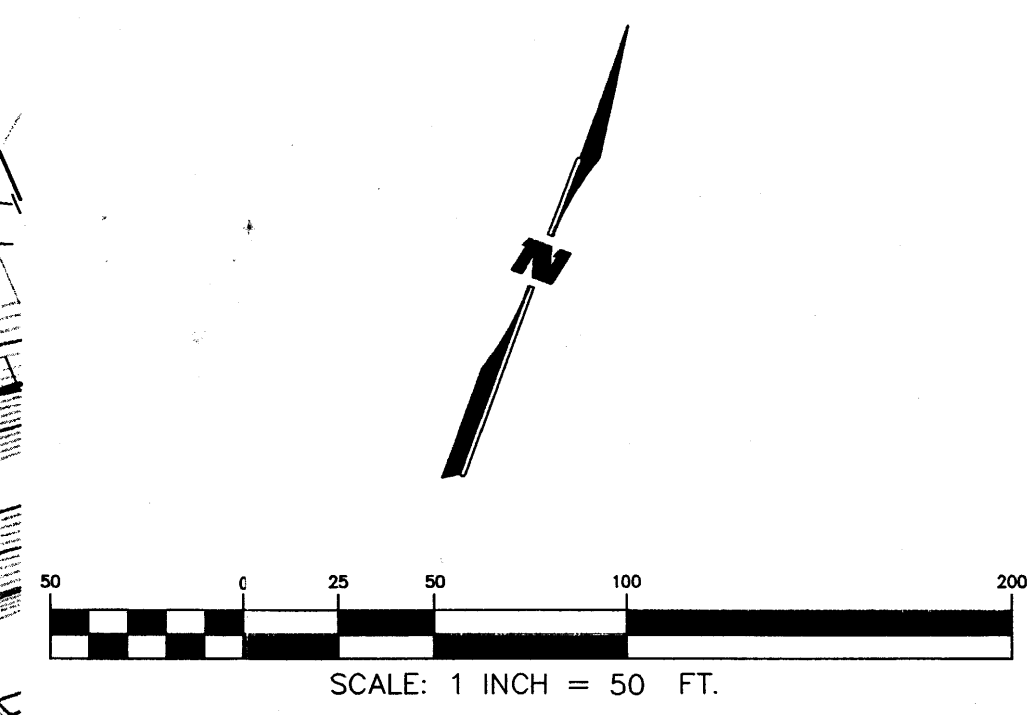
ZONE ATLAS MAP NO. C-13-Z

- LEGEND**
- EXIST INTERMEDIATE CONTOUR
 - 5000--- EXIST INDEX CONTOUR
 - 5000--- PROPOSED INTERMEDIATE CONTOUR
 - 5000--- PROPOSED INDEX CONTOUR
 - ← FLOW DIRECTION ARROW
 - 5023.0 SPOT ELEVATION
 - PROPOSED SD MANHOLE
 - PROPOSED INLET
 - PROPOSED STORM DRAIN
 - RIPRAP



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 10



FLOOD INSURANCE MAP

REFERENCE: FLOOD INSURANCE STUDY PANEL 116

LEGAL DESCRIPTION

That certain parcel of land situate within the Town of Alameda Grant in projected Section 18, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, comprising all of Tracts 3E-1, 3F-1 and 3G-1, Black Ranch as the same are shown and designated on the plat entitled "TRACTS 3E-1, 3F-1 AND 3G-1, BLACK RANCH, BEING A REPLAT OF TRACTS 3E, 3F, 3G AND A PORTION OF VALLEY VIEW DRIVE WITHIN PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, TOWN OF ALAMEDA GRANT, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico on January 12, 1993 in Volume 93C, Folio 13.

TOGETHER WITH:

That certain parcel of land situate within the Town of Alameda Grant in projected Section 18, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, comprising all of Tract 2-A, Black Ranch as the same is shown and designated on the plat entitled "SUBDIVISION PLAT OF TRACTS 2-A AND 2-B, BLACK RANCH, BEING A SUBDIVISION PLAT FOR UNPLATTED TRACT 2, BLACK RANCH, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico on June 11, 2002 in Plat Book Number 2002C, Page 204.

Said parcel contains 9.6451 acres, more or less.

BENCHMARK

AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM 14C13" LOCATED AT THE EAST SIDE OF CENTER MEDIAN OF COORS BLVD. N.W. IN THE LEFT TURN BAY OF NORTH BOUND COORS BLVD TO THE PASO DEL NORTE SHOPPING CENTER 0.25+ MILES NORTH OF CENTERLINE PASO DEL NORTE, 0.22+ MILES SOUTH OF CENTERLINE IRVING BLVD, 371' SOUTH OF SHOPPING CENTER ENTRANCE. ELEV. = 5015.89 (NGVD 29).

*Paul Plat
Price to W.O.
Total: 58 cts
48
12
11.8 cts*

TRACT 12

Approximate Flood Zone limits as shown on FIRM Map Number 35001C0116 dated September 20, 1996

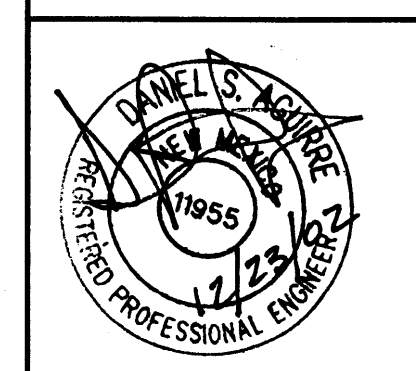
HYDROLOGIC DATA - DEVELOPED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q _{avg} (cfs)	V _{100-yr} (ac-ft)
		A	B	C	D			
D-1	3.14	0	10	0	90	4.145	13.00	0.480
D-2	1.44	0	15	0	85	4.032	5.82	0.213
D-3	1.34	0	15	0	85	4.032	5.39	0.197
D-4	1.13	0	15	0	85	4.034	4.58	0.167
D-5	4.39	0	15	0	85	4.025	17.69	0.648
D-6	0.70	0	15	0	85	4.044	2.82	0.103
D-7	1.31	0	15	0	85	4.033	5.25	0.192
D-8	2.89	0	15	0	85	4.026	11.65	0.427
D-9	1.90	10	80	0	0	2.026	3.85	0.106
D-10	3.97	0	15	0	85	4.025	15.90	0.583
D-30*	N/A	0	15	0	85	-	31.93	1.170

*BASIN D-30 REPRESENTS EXISTING DEVELOPED FLOWS DISCHARGING FROM AN EXISTING STORM DRAIN INTO A SWALE PARALLELING COORS BLVD.

WILSON & COMPANY
2800 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021

WENDY'S
OVERALL GRADING PLAN

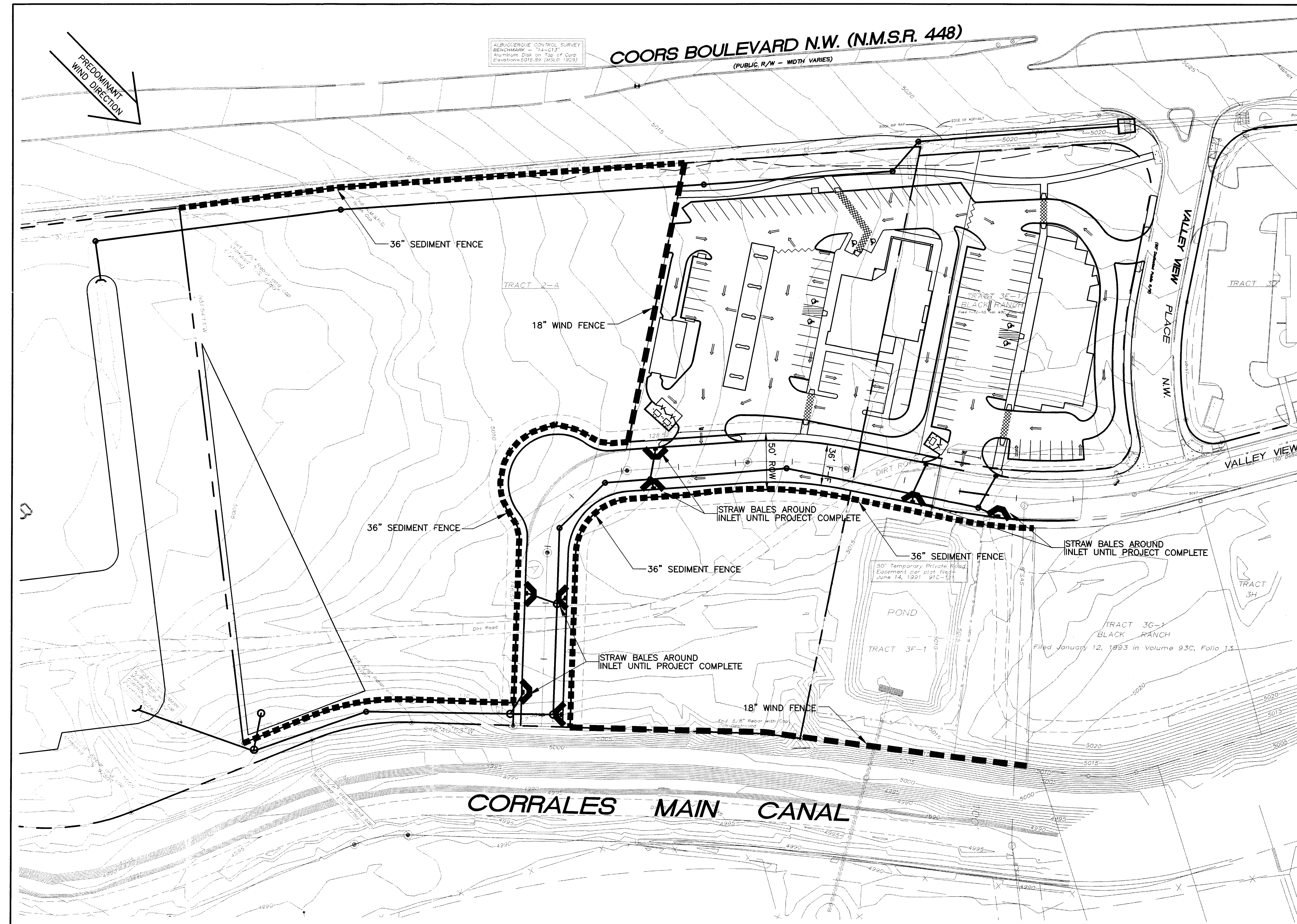


REVISIONS	NO.	DATE	REMARKS	BY

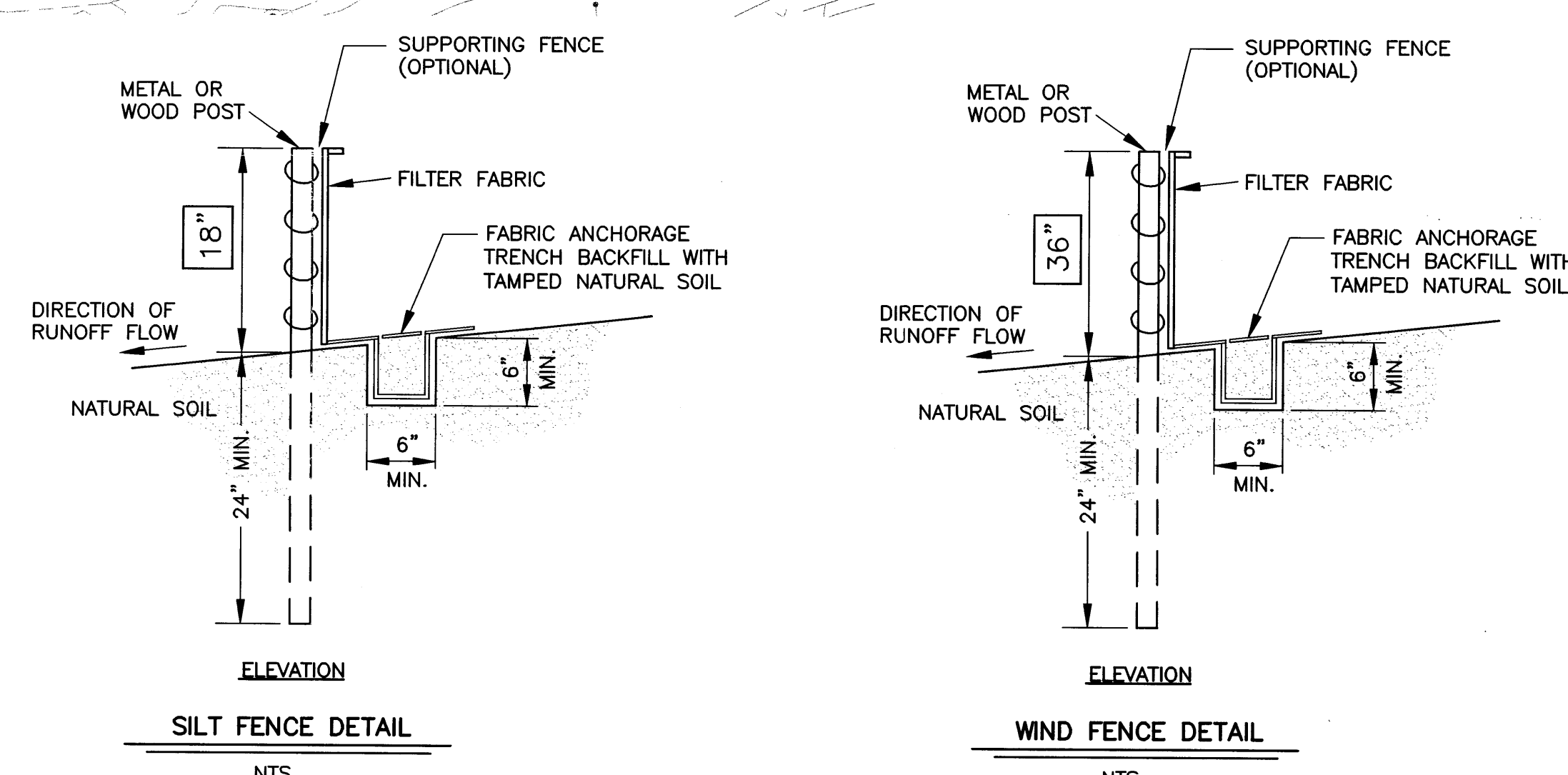
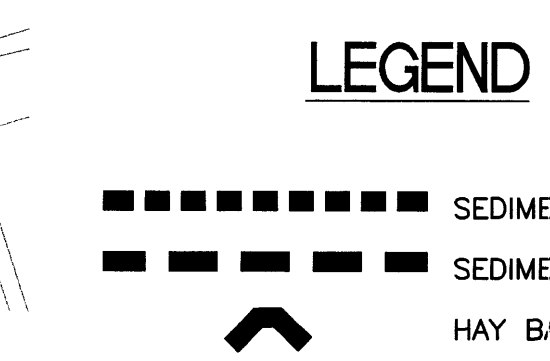
DESIGN: JRW WCEA HYDROLOGIC DATA DATE: DEC 2002
DRAWN: JRW PROJECT NO: N/A
CHECK: DSA

1 OF 1

PROJECTS \2218061\A\SHEETS\806100.DWG\12-23-02\JRW



- DUST AND EROSION CONTROL GENERAL NOTES**
1. THE ALBUQUERQUE/BERNALILLO COUNTY AIR QUALITY CONTROL BOARD REQUIRES THAT A DUST CONTROL PLAN BE PREPARED AND A TOPSOIL DISTURBANCE PERMIT BE OBTAINED PRIOR TO ANY SOIL DISTURBANCE EXCEEDING 0.75 ACRES. CONTRACTOR SHALL OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION PRIOR TO THE START OF SOIL DISTURBANCE ACTIVITIES. SEPARATE PLANS AND PERMITS MAY BE REQUIRED FOR SEPARATE PROJECT AREAS, BORROW SITES, DISPOSAL SITES, ETC. CONTACT LARRY CAUDILL AT 768-2600.
 2. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN DUST CONTROL MEASURES TO MINIMIZE WIND BORNE EROSION OF MATERIALS FROM THE PROJECT AREA. DUST CONTROL MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO PRE-WETTING, WATERING, MULCH, REVEGETATION, DRIFT/SILT FENCING, WOODEN LATH SNOW FENCING, GROUND COVERS, SOIL STABILIZERS, COMPACTION TO HARD SURFACE CRUST AND HALTING SOIL DISTURBANCE ACTIVITIES. DUST CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE CONTRACTOR, ENGINEER AND THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION.
 3. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES TO MINIMIZE THE WATER BORNE EROSION OF SEDIMENT FROM THE PROJECT AREA. EROSION CONTROL MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO GROUND COVERS, SOIL STABILIZERS, MULCH, REVEGETATION, CONTOUR GRADING, SWALES, BERMS, SEDIMENT PONDS, SEDIMENT/SILT FENCING, FILTER FABRICS AND/OR MATERIALS, AND STRAW BALES. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE CONTRACTOR, ENGINEER, AND THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION.
 4. ADDITIONAL DUST CONTROL AND/OR EROSION CONTROL MEASURES MAY BE REQUIRED DURING CONSTRUCTION DEPENDING ON UNFORESEEN CIRCUMSTANCES AND WEATHER CONDITIONS. ANY ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE ENGINEER, CONTRACTOR AND THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION.
 5. CONTRACTOR SHALL MINIMIZE SOIL DISTURBANCE TO THE EXTENT POSSIBLE. CLEAR AND GRUB WORK SHALL BE PERFORMED IN INCREMENTAL STEPS AS THE WORK PROGRESSES. REVEGETATION WORK SHALL ALSO BE PERFORMED IN INCREMENTAL STEPS AS THE WORK IS COMPLETED.
 6. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND OBTAIN CONSTRUCTION WATER IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE WATER PROVIDER. CONTACT BOB GAY AT NEW MEXICO UTILITIES, INC. 898-2661.
 7. CONTRACTOR SHALL NOT ENTER ONTO PRIVATE PROPERTY TO IMPORT, EXPORT, OR HAUL MATERIAL WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
 8. CONTRACTOR SHALL PRE-WET THE WORK AREA PRIOR TO SOIL DISTURBANCE AND SHALL WATER THE SITE AS NECESSARY TO CONTROL DUST DURING CONSTRUCTION. CONTRACTOR SHALL LEAVE THE SITE IN A WET-DOWN, STABLE CONDITION AT THE END OF EACH WORK DAY. A SUFFICIENT DUST CONTROL WATER SUPPLY AND DUST CONTROL EQUIPMENT SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES.
 9. IF SOIL OR WIND CONDITIONS ARE SUCH THAT DUST CANNOT BE CONFINED TO THE PROJECT SITE, CONTRACTOR SHALL VOLUNTARILY HALT SOIL DISTURBANCE ACTIVITIES UNTIL WINDS ABATE AND/OR DUST CAN BE EFFECTIVELY CONTROLLED.
 10. ALL TRUCKS HAULING IMPORT, EXPORT OR ONSITE MATERIAL SHALL BE EQUIPPED WITH SOUND BEDS, SIDEBORDS, TAILGATES AND COVERS MAINTAINED IN GOOD WORKING ORDER. COVERS SHALL BE USED AT ALL TIMES DURING HAULING OPERATIONS.
 11. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL SPILLED, CARRIED, TRACKED OR ERODED ONTO ADJACENT PRIVATE PROPERTY OR PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF WATER BORNE AND WIND BORNE MATERIAL WHICH ORIGINATES FROM THE WORK AREA AND IS ATTRIBUTABLE TO PROJECT CONSTRUCTION.
 12. DRIFT/SILT FENCING SHALL BE ADP ENTERPRISES, INC. DURETHENE SNOW AND SAND CONTROL FENCING AWSF-4100-40, WOOD LATH SNOW FENCE OR APPROVED EQUAL INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
 13. SEDIMENT/SILT FENCING SHALL BE AMOCO PROPEX SILT STOP, AMERICAN EXCELSIOR COMPANY SILT STOP, MIRAFI, INC. SILT FENCE OR APPROVED EQUAL INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
 14. WHERE SOIL CONDITIONS PERMIT EFFECTIVE IMPLEMENTATION, CONTRACTOR MAY COMPACT DISTURBED SOIL AREAS TO A HARD SURFACE FOR TEMPORARY DUST CONTROL.
 15. IN AREAS WHERE FUTURE SOIL DISTURBANCE OR CONSTRUCTION BY OTHERS IS IMMINENT AND WHEN THE INTERIM NON-WORK TIME PERIOD DOES NOT ENCOMPASS ANY TIME BETWEEN FEBRUARY 15 AND MAY 15, CONTRACTOR MAY GRADE, SHAPE, MOISTURE PROCESS AND COMPACT DISTURBED SOIL AREAS TO FORM A SMOOTH, HARD SURFACE CRUST AFTER CONSTRUCTION WORK IS COMPLETE.
 16. EXCEPT AS OTHERWISE AUTHORIZED IN WRITING, CONTRACTOR SHALL GRADE, MULCH, CRIMP AND SEED ALL DISTURBED SOIL AREAS IN ACCORDANCE WITH SECTION 1012 REVEGETATION SEEDING OF THE PROJECT SPECIFICATIONS.



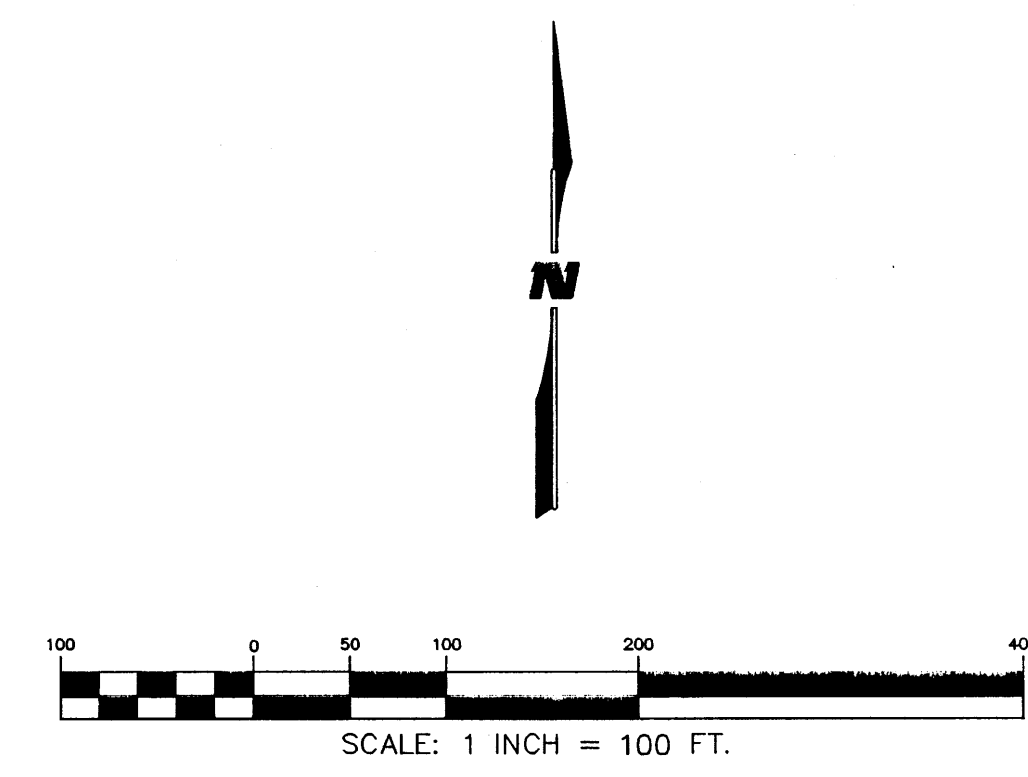
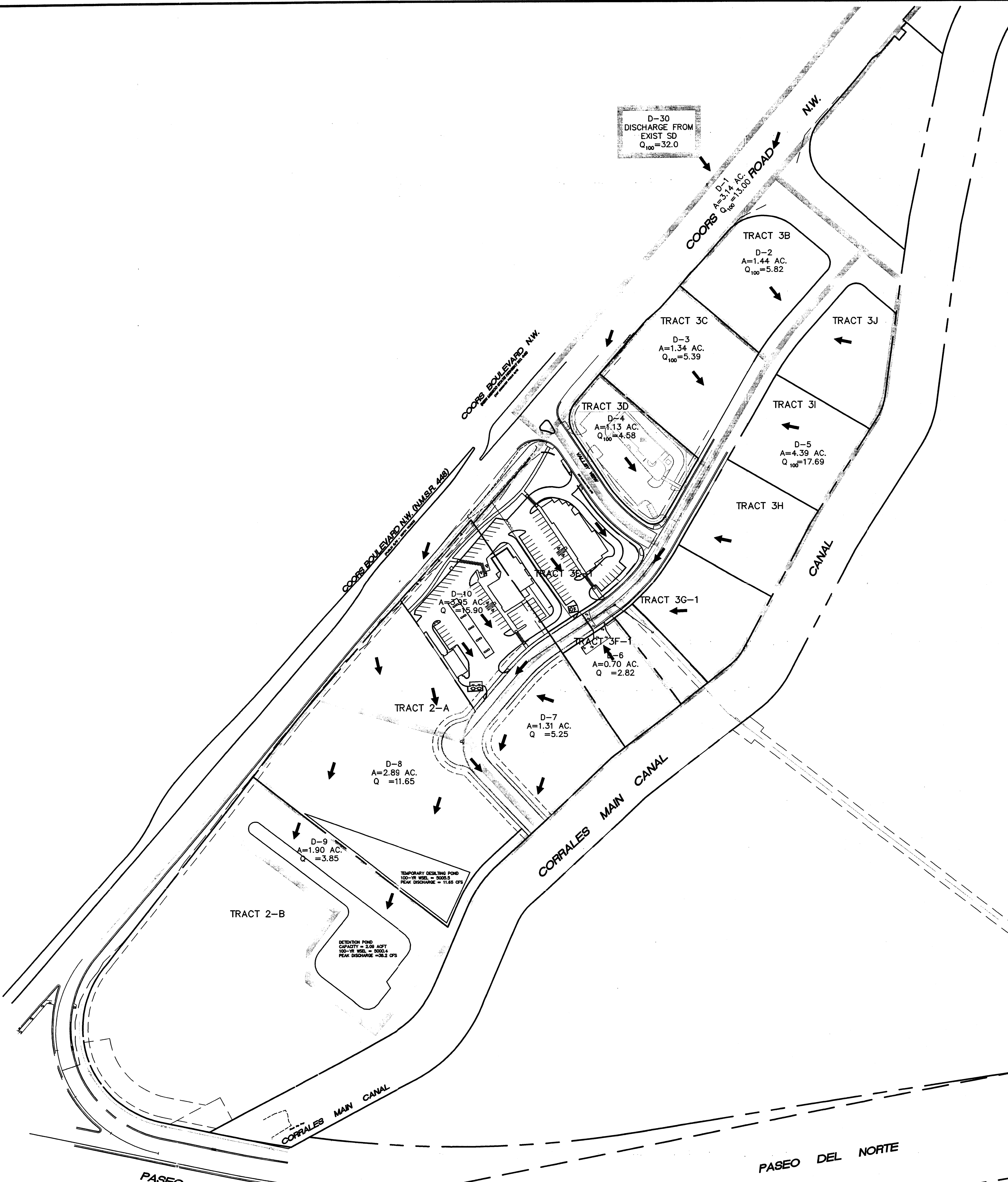
- NOTES**
1. AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48-HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA R/W TEL. JERRY LOVATO 854-2215.
 2. NO WORK WILL BE PERFORMED IN THE AMAFCA R/W BETWEEN MAY 15 AND OCTOBER 15 WITHOUT WRITTEN PERMISSION FROM AMAFCA.
 3. ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) WITHIN THE AMAFCA R/W. TESTING REPORTS 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.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	A.C.S. Survey Monument "SANDBERN"	DATE	NO.	BY	REVISIONS	BY
WORK	DATE	New Mexico State Plane Coord's, Central Zone (NAD 27) as published:	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	X = 1,534,209.29	DATE	NO.	DATE	NO.	DATE
FIELD DRAWN BY	DATE	Y = 361,854.29	DATE	NO.	DATE	NO.	DATE
DRAWINGS	DATE	Elevation = 5456.92 (SLD 1929)	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	Ground to grid factor = 0.99966079	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE		DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
WENDY'S EROSION CONTROL PLAN	
Design Review Committee	City Engineer Approval
City Project No. XXXXXX	Zone Map No. A-10-Z
Sheet 1	Of 1

WILSON & COMPANY

D-30
DISCHARGE FROM
EXIST SD
Q₁₀₀=32.0



LEGEND

- DRAINAGE FLOW ARROW
- BASIN BOUNDARY

HYDROLOGIC DATA - DEVELOPED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ₁₀₀ (cfs)	V _{100-yr} (ac-ft)
		A	B	C	D			
D-1	3.14	0	10	0	90	4.145	13.00	0.480
D-2	1.44	0	15	0	85	4.032	5.82	0.213
D-3	1.34	0	15	0	85	4.032	5.39	0.197
D-4	1.13	0	15	0	85	4.034	4.58	0.167
D-5	4.39	0	15	0	85	4.025	17.69	0.648
D-6	0.70	0	15	0	85	4.044	2.82	0.103
D-7	1.31	0	15	0	85	4.033	5.25	0.192
D-8	2.89	0	15	0	85	4.026	11.65	0.427
D-9	1.90	10	80	0	0	2.026	3.85	0.106
D-10	3.97	0	15	0	85	4.005	15.90	0.583
D-30*	N/A	0	15	0	85	-	31.93	1.171

*BASIN D-30 REPRESENTS EXISTING DEVELOPED FLOWS DISCHARGING FROM AN EXISTING STORM DRAIN INTO A SWALE PARALLELING COORS BLVD.

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 D
 HYDROLOGY SECTION

WILSON & COMPANY 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021		BLACK RANCH TRACT 2A			
		BASIN BOUNDARY MAP DEVELOPED CONDITIONS			
DESIGN	JRW	WCEA NO.	X2218061	DATE	DEC 2002
DRAWN	JRW	PROJECT NO.	N/A	SHEET NO.	1 OF 1
CHECK	DSA				

T:\PROJECTS\X2218061\W.DRAINAGE\DEVELOPED.DWG 12-20-02 JRW

EXISTING CONDITIONS

THE PROJECT SITE CONSISTS OF A PROXIMATELY 11.6 ACRES, MOST OF WHICH IS UNDEVELOPED. TRACTS ADJACENT TO THE EXISTING LENGTH OF VALLEY VIEW DRIVE DRAIN TOWARD THE STREET WITH THE MAJORITY OF THE RUNOFF BEING INTERCEPTED BY TEMPORARY DESILTING PONDS. RUNOFF THAT DOES REACH THE STREET IS CONVEYED TO AN EXISTING DETENTION POND IN TRACT 3F-1. TRACT 2A PRIMARILY DRAINS TO THE SOUTHWEST INTO TRACT 2B, AN AMAFCA TRACT SLATED TO BECOME A REGIONAL DETENTION FACILITY. RUNOFF GENERATED BY OFFSITE BASINS WEST OF COORS BLVD DISCHARGE INTO AN EXISTING SWALE PARALLELING COORS BLVD. THESE FLOWS ALONG WITH RUNOFF GENERATED BY COORS BLVD EVENTUALLY RAIN INTO AN EXISTING POND IN TRACT 2B BY WAY OF AN INLET NEAR THE SOUTHWEST CORNER OF TRACT 2B. RUNOFF GENERATED BY TRACT 2B AS WELL AS THOSE FLOWS CROSSING INTO TRACT 2B MENTIONED ABOVE ARE ROUTED THROUGH AN EXISTING DETENTION POND ALONG THE SOUTHERN BOUNDARY. THE DISCHARGE POINT FOR THE EXISTING DETENTION POND IS THE CORRALES MAIN CANAL.

PROPOSED CONDITIONS

PROPOSED CONDITIONS INCLUDE THE CONSTRUCTION OF A WENDY'S RESTAURANT AND THE EXTENSION OF VALLEY VIEW DRIVE SOUTH AND THEN EAST TO A POINT ADJACENT TO THE CORRALES MAIN CANAL RIGHT-OF-WAY. ADDITIONAL GRADING WILL ALSO BE PERFORMED ON TRACTS SURROUNDING THE PROPOSED WENDY'S SITE. IT IS PROPOSED THAT RUNOFF FROM TRACTS ADJACENT TO VALLEY VIEW DRIVE WILL DISCHARGE INTO VALLEY VIEW DRIVE. THE STREET WILL CONVEY THE FLOWS SOUTH AND EAST UNTIL ALL FLOWS ARE INTERCEPTED BY A PROPOSED STORM DRAIN WITHIN THE VALLEY VIEW DRIVE RIGHT-OF-WAY. THE STORM DRAIN WILL CONVEY THE RUNOFF TO A PROPOSED DETENTION POND TO BE LOCATED ALONG THE NORTHERN BOUNDARY OF TRACT 2A. THE DETENTION POND WILL THEN DISCHARGE INTO THE EXISTING POND ALONG THE SOUTHERN BOUNDARY OF TRACT 2B AT A RATE EQUAL TO OR LESS THAN THE EXISTING FLOWS CURRENTLY DISCHARGING INTO THE EXISTING POND FROM THE PROJECT SITE. A PORTION OF THE PROJECT SITE SOUTH OF THE VALLEY VIEW DRIVE WILL DRAIN TO A TEMPORARY DESILTING POND NORTHEAST OF THE PROPOSED DETENTION POND. THIS DESILTING POND WILL DISCHARGE INTO THE PROPOSED DETENTION POND VIA THE PROPOSED STORM DRAIN BEGINNING IN VALLEY VIEW DRIVE. A SECOND STORM DRAIN SYSTEM WILL BE CONSTRUCTED ALONG THE EASTERN EDGE OF THE COORS BLVD RIGHT-OF-WAY. THIS STORM DRAIN WILL CONVEY RUNOFF GENERATED BY COORS BLVD AND OFFSITE BASINS WEST OF COORS BLVD TO THE PROPOSED DETENTION POND IN TRACT 2B.

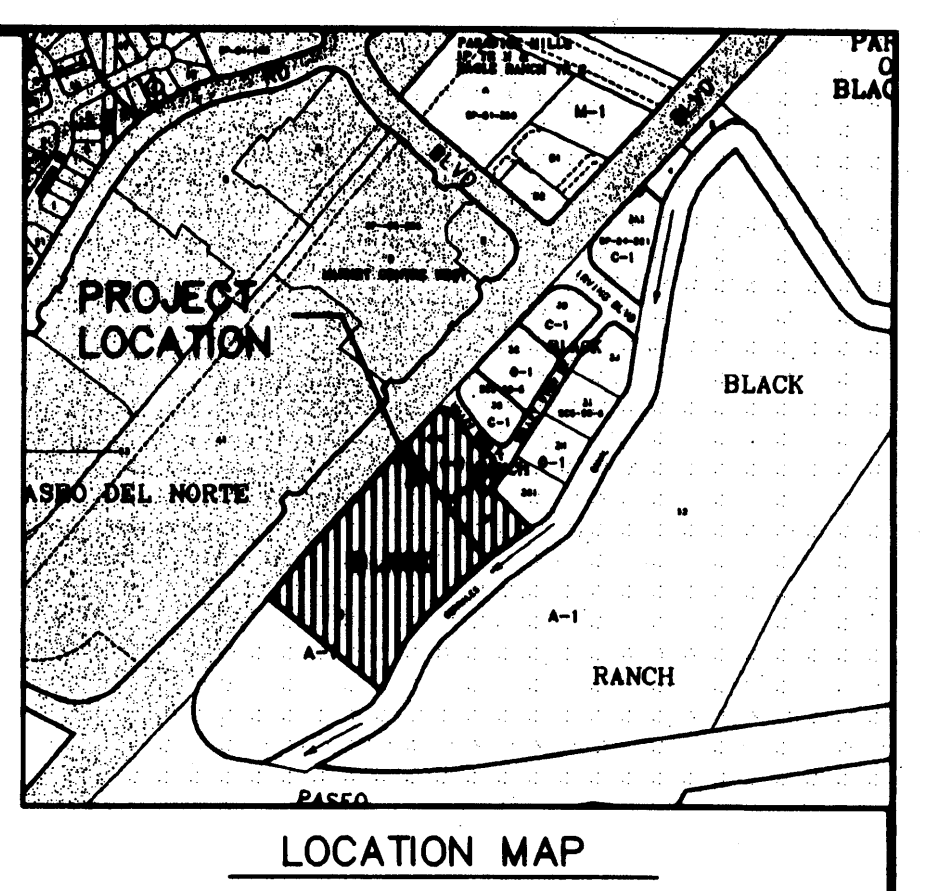
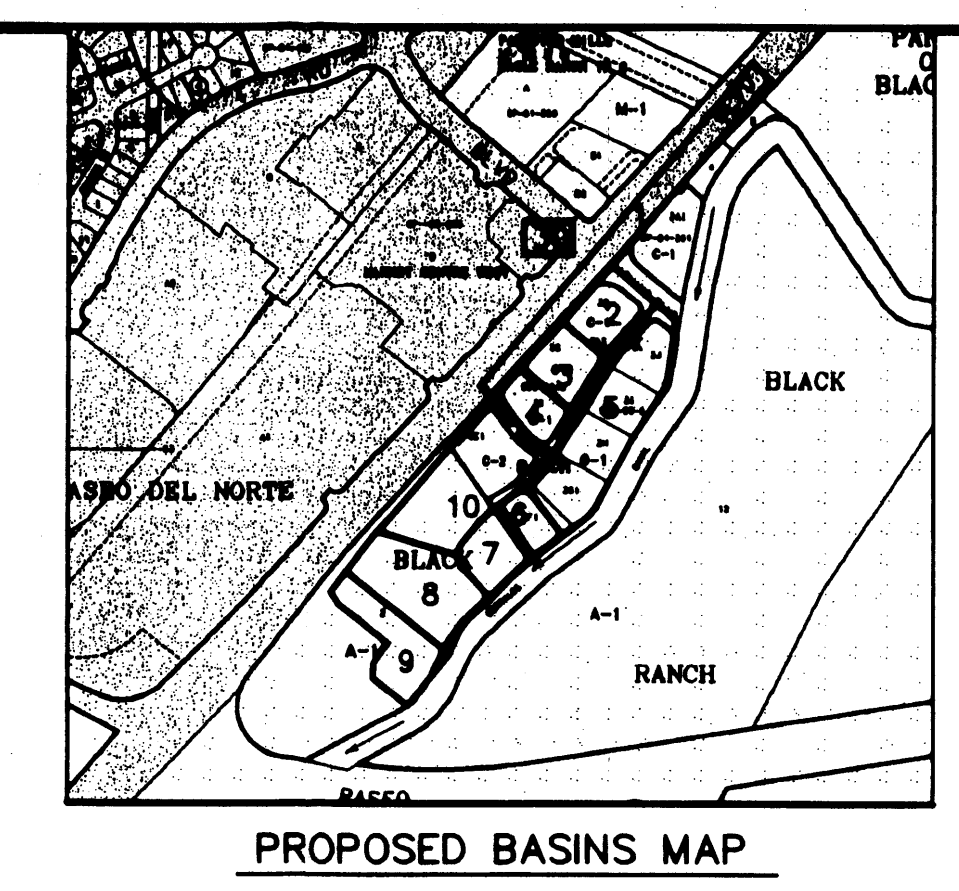
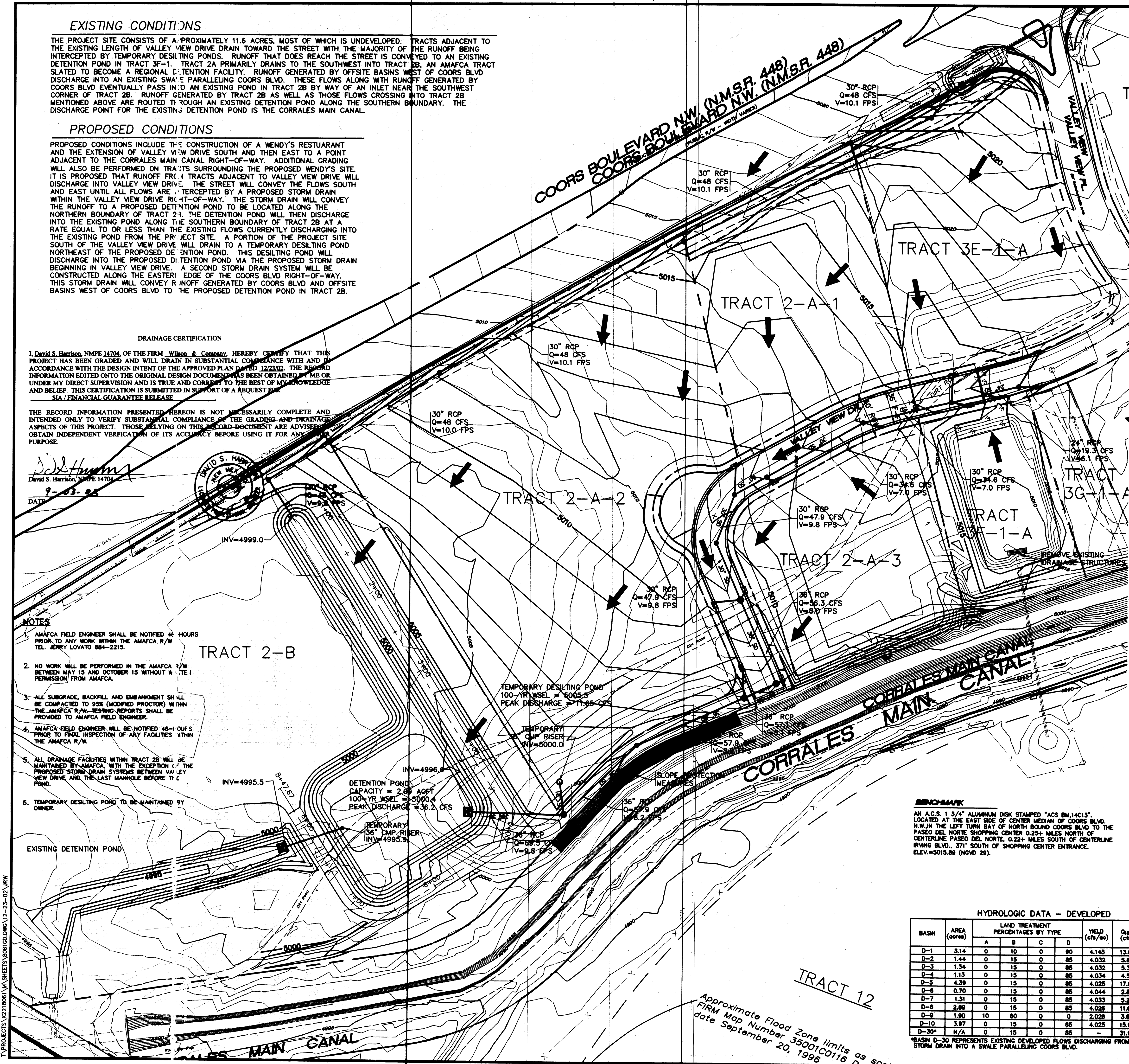
DRAINAGE CERTIFICATION

I, David S. Harrison, NMPE 14704, OF THE FIRM Wilson & Company, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADIED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/23/02. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR SIA/ FINANCIAL GUARANTEE RELEASE.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

David S. Harrison, NMPE 14704
9-23-02

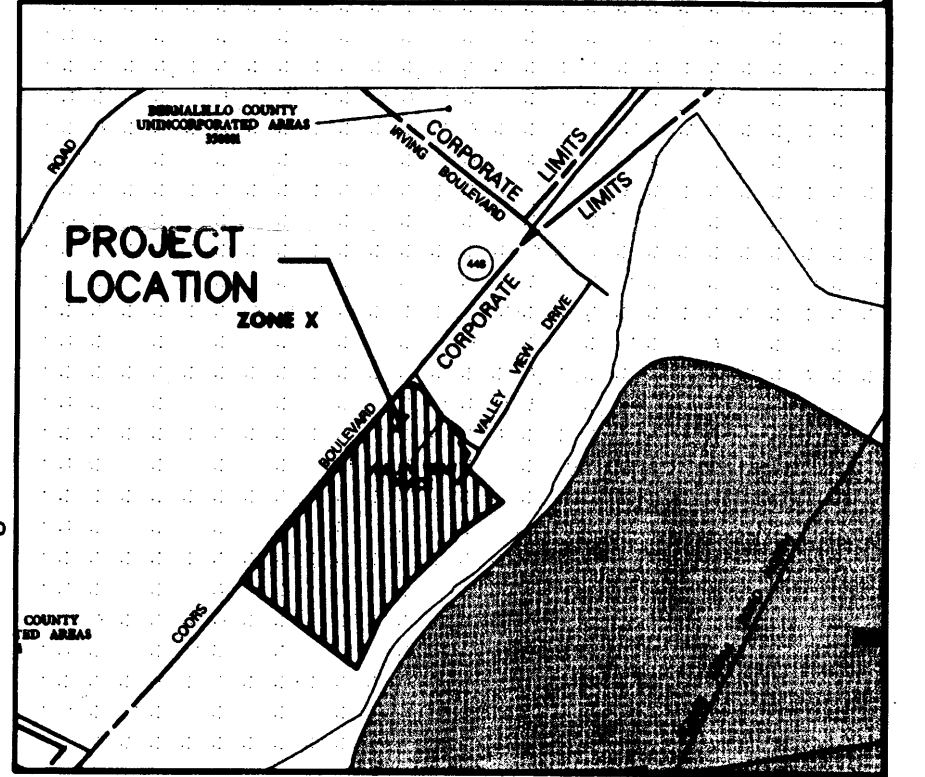
- NOTES**
- AMAFCA FIELD ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK WITHIN THE AMAFCA R/W. TEL: JERRY LOVATO 884-2215.
 - NO WORK WILL BE PERFORMED IN THE AMAFCA R/W BETWEEN MAY 15 AND OCTOBER 15 WITHOUT THE PERMISSION FROM AMAFCA.
 - ALL SUBGRADE, BACKFILL AND EMBANKMENT SHALL BE COMPACTED TO 95% (MOIST PROCTOR) WITHIN THE AMAFCA R/W. TESTING REPORTS SHALL BE PROVIDED TO AMAFCA FIELD ENGINEER.
 - AMAFCA FIELD ENGINEER WILL BE NOTIFIED 48 HOURS PRIOR TO FINAL INSPECTION OF ANY FACILITIES WITHIN THE AMAFCA R/W.
 - ALL DRAINAGE FACILITIES WITHIN TRACT 2B WILL BE MAINTAINED BY AMAFCA, WITH THE EXCEPTION OF THE PROPOSED STORM DRAIN SYSTEMS BETWEEN VALLEY VIEW DRIVE AND THE LAST MANHOLE BEFORE THE POND.
 - TEMPORARY DESILTING POND TO BE MAINTAINED BY OWNER.



- LEGEND**
- EXIST INTERMEDIATE CONTOUR
 - EXIST INDEX CONTOUR
 - PROPOSED INTERMEDIATE CONTOUR
 - PROPOSED INDEX CONTOUR
 - FLOW DIRECTION ARROW
 - SPOT ELEVATION
 - PROPOSED SD MANHOLE
 - PROPOSED INLET
 - PROPOSED STORM DRAIN
 - RIPRAP



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 10



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY PANEL 116

LEGAL DESCRIPTION

That certain parcel of land situate within the Town of Alameda Grant in projected Section 18, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, comprising all of Tracts 3E-1, 3F-1 and 3G-1, Black Ranch as the same are shown and designated on the plat entitled "TRACTS 3E-1, 3F-1 AND 3G-1, BLACK RANCH, BEING A REPLAT OF TRACTS 3E, 3F, 3G AND A PORTION OF VALLEY VIEW DRIVE WITHIN PROJECTED SECTION 18, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, TOWN OF ALAMEDA GRANT, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico on January 12, 1993 in Volume 93C, Folio 13.

TOGETHER WITH:

That certain parcel of land situate within the Town of Alameda Grant in projected Section 18, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, comprising all of Tract 2-A, Black Ranch as the same is shown and designated on the plat entitled "BULK LAND PLAT TRACTS 2-A AND 2-B, BLACK RANCH (BEING A SUBDIVISION PLAT FOR UNPLATTED TRACT 2, BLACK RANCH), CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico on June 11, 2002 in Plat Book Number 2002C, Page 204. Said parcel contains 9.6451 acres, more or less.

BENCHMARK

AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM 14C13" LOCATED AT THE EAST SIDE OF CENTER MEDIAN OF COORS BLVD. N.W. IN THE LEFT TURN BAY OF NORTH BOUND COORS BLVD TO THE PASO DEL NORTE SHOPPING CENTER 0.25+ MILES NORTH OF CENTERLINE PASO DEL NORTE 0.24+ MILES SOUTH OF CENTERLINE IRVING BLVD., 371' SOUTH OF SHOPPING CENTER ENTRANCE. ELEV.=5015.89 (NGVD 29).

HYDROLOGIC DATA - DEVELOPED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/acre)	Q ₁₀ (cfs)	V ₁₀₋₅ (cc-ft)
		A	B	C	D			
D-1	3.14	0	10	0	90	4.145	13.00	0.480
D-2	1.44	0	15	0	85	4.032	8.82	0.213
D-3	1.34	0	15	0	85	4.032	5.38	0.187
D-4	1.13	0	15	0	85	4.034	4.58	0.167
D-5	4.39	0	15	0	85	4.025	17.89	0.848
D-6	0.70	0	15	0	85	4.044	2.82	0.103
D-7	1.31	0	15	0	85	4.033	5.25	0.192
D-8	2.89	0	15	0	85	4.028	11.85	0.427
D-9	1.90	10	80	0	0	2.028	3.85	0.108
D-10	3.97	0	15	0	85	4.025	15.90	0.563
D-30*	N/A	0	15	0	85	-	31.93	1.170

*BASIN D-30 REPRESENTS EXISTING DEVELOPED FLOWS DISCHARGING FROM AN EXISTING STORM DRAIN INTO A SWALE PARALLELING COORS BLVD.

Approximate Flood Zone limits as shown on FIRM Map Number 35010C0116 dated September 20, 1996

APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT-OF-WAY

(for AMAFCA) _____ (Date) _____

WILSON & COMPANY 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO (505) 898-8021

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

WENDY'S OVERALL GRADING PLAN

Design Review Committee City Engineer Approval

City Project No. 704781 Zone Map No. C-13-Z Sheet 5 of 12