

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

CONSTRUCTION PLANS FOR  
PNM SUBSTATION SIDEWALK IMPROVEMENTS  
FOR 1800 98th STREET SW

ALBUQUERQUE, NEW MEXICO

JUNE 28, 2013

DRAWING INDEX

SHEET No.	SHEET TITLE
1 OF 4	COVER SHEET, APPROVALS, AND VICINITY MAP
2 OF 4	SITE AND GRADING PLANS AND
2A AND 2B OF 4	ORIGINAL STAMPED GRADING AND DRAINAGE PLAN
3 OF 4	MISCELLANEOUS DETAILS
4 OF 4	MISCELLANEOUS DETAILS


FOR INFORMATION ONLY

As-builts and Closeout package not submitted.  
Construction verified by aerial imagery.


By: Jim Roeder Date: 12-18-19

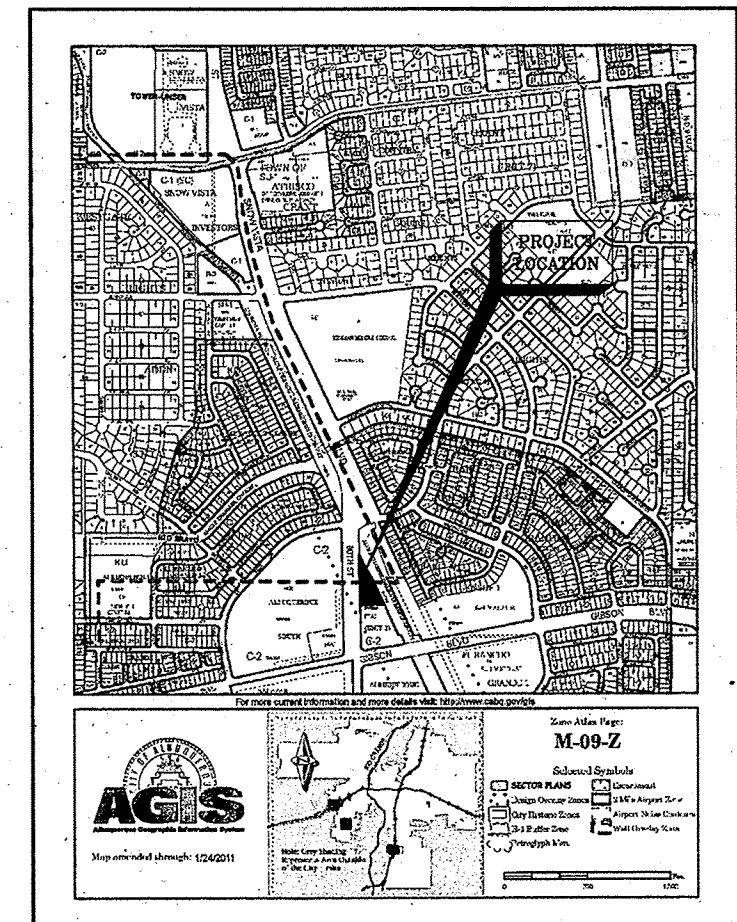
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☐ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S SEAL	APPROVALS	ENGINEER	DATE	*****			
	DRC CHAIRMAN	<u>[Signature]</u>	<u>7-2-13</u>	APPROVED FOR CONSTRUCTION			
	TRANSPORTATION	<u>[Signature]</u>	<u>7-1-13</u>				
	WATER/WASTEWATER	<u>[Signature]</u>	<u>7-1-13</u>				
	HYDROLOGY	<u>[Signature]</u>	<u>7-1-13</u>				
	CIP						
CONST. MGMT.							
CONST. COORD.							
AMAFCA							
PARKS							
CITY PROJECT NO. 722779				SHEET 1 OF 4			

DRC PROJECT NO. 722779

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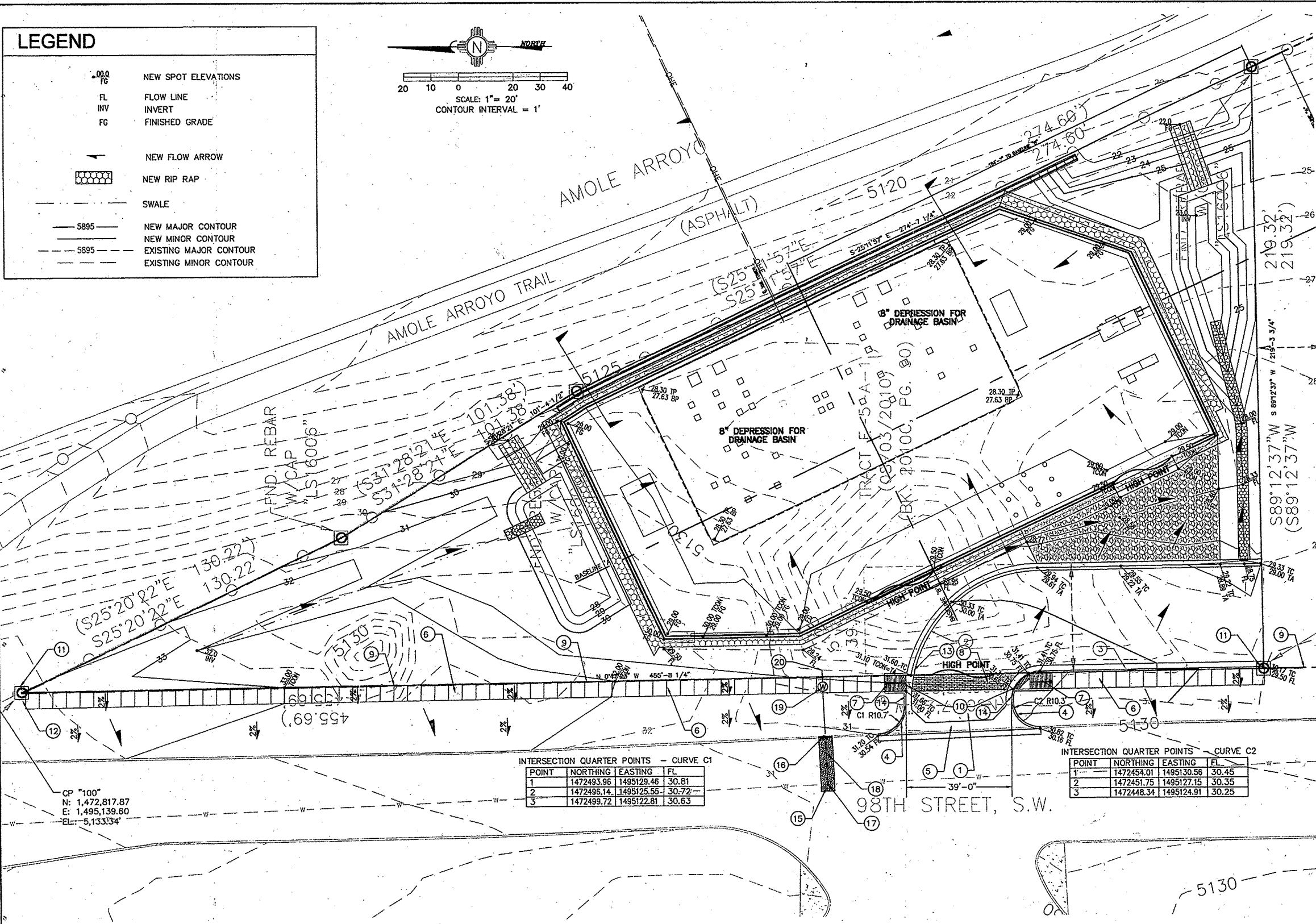
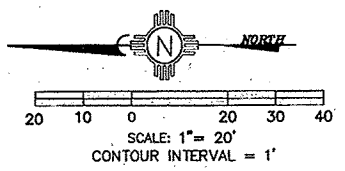
VICINITY MAP

LEGEND

NEW SPOT ELEVATIONS  
FL FLOW LINE  
INV INVERT  
FG FINISHED GRADE

NEW FLOW ARROW  
NEW RIP RAP  
SWALE

NEW MAJOR CONTOUR  
NEW MINOR CONTOUR  
EXISTING MAJOR CONTOUR  
EXISTING MINOR CONTOUR



GENERAL NOTES

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6, INCLUDING AMENDMENT #1.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (811) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH ABOQUA SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY WATER AUTHORITY PERSONNEL ONLY. CONTRACTOR SHALL NOT THE WATER AUTHORITY SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
12. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650, SUBPART P.
14. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
16. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARD, AT HIS OWN EXPENSE.
17. AN SO-18 PERMIT IS REQUIRED TO PLACE ANY MATERIAL ON OR AROUND A STORM DRAIN INLET IN THE CITY RIGHT-OF-WAY THAT WOULD INTERFERE WITH THE INLET RECEIVING STORM WATER PER THE ENGINEER'S DESIGN. CITY PERSONNEL MAY REMOVE THIS MATERIAL AT ANY TIME WITHOUT NOTICE. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.
18. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

INTERSECTION QUARTER POINTS - CURVE C1

POINT	NORTHING	EASTING	FL
1	1472493.96	1495129.46	30.81
2	1472496.14	1495125.55	30.72
3	1472499.72	1495122.81	30.63

INTERSECTION QUARTER POINTS - CURVE C2

POINT	NORTHING	EASTING	FL
1	1472454.01	1495130.56	30.45
2	1472451.75	1495127.15	30.35
3	1472448.34	1495124.91	30.25

CP "100"  
N: 1,472,817.87  
E: 1,495,139.60  
EL: 5,133.34

APARTMANCES

8-2-13 (REV. ADDED 3" WATER SERVICE LINE AND

NO. DATE REMARKS

DESIGNED BY JAL DATE NOVEMBER 2010

DRAWN BY JAL DATE NOVEMBER 2010

CHECKED BY VAM DATE NOVEMBER 2010

REVISIONS

DESIGN

APPROVED

AUG 05 2013

DESIGN REVIEW COMMITTEE

APPROVED

SEP 24 2013

CITY ENGINEER

City Project No. 722779

Zone Map No. M-09-Z

Sheet 2 Of 4

Mo./Day/Yr.

Mo./Day/Yr.

A PUBLIC INFRASTRUCTURE SITE DETAIL

KEY NOTES

1. NEW 8" CONCRETE PAVEMENT SECTION. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407 AND #2415A, COLLECTOR STREET AND TYPICAL CONCRETE SECTION ON SHEET 4 OF 4. CONTRACTOR SHALL INSTALL MONOLITHICALLY WITH CONCRETE VALLEY GUTTER. CONTRACTOR SHALL PROVIDE SUBMITTAL TO PROJECT ENGINEER FOR JOINT PATTERNS AND CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION.
2. NEW MOUNTABLE CURB ROLL TYPE. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A ON SHEET 3 OF 4.
3. NEW DEPRESSED GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A IN SHEET 3 OF 4.
4. NEW STANDARD CURB AND GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A ON SHEET 3 OF 4.
5. NEW 6" CONCRETE VALLEY GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2420 ON SHEET 3 OF 4.
6. NEW 8" WIDE CONCRETE SIDEWALK. REFERENCE THIS SHEET FOR OFFSET DISTANCE FROM BACK OF EXISTING CURB VARIES FROM 13" TO 19". SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWINGS #2430, #2450, AND #2451 ON SHEETS 3 OF 4 AND 4 OF 4.
7. NEW HANDICAP RAMP WITH TRUNCATED DOMES. SEE SHEET 4 OF 4 FOR DETAIL. NORTH RAMP HAS 6' LONG RAMP WITH AN 8" RISE AND SOUTH RAMP HAS AN 8' LONG RAMP WITH AN 8" RISE.
8. NEW 6"x39"x8" THICK BRICK STAMPED AND GREY COLORED CONCRETE PAVEMENT SECTION. CONTRACTOR SHALL SUBMIT BRICK PATTERN AND COLOR OF CONCRETE FOR APPROVAL PRIOR TO CONSTRUCTION. SEE SHEET 4 OF 4 FOR DETAIL.
9. RIGHT OF WAY LINE.
10. NEW ADA APPROVED DETECTABLE WARNING FIELD WITH TRUNCATED DOMES.
11. EXISTING REBAR WITH CAP, DESIGNATING RIGHT OF WAY LINE AND PROPERTY CORNER.
12. END NEW CONCRETE SIDEWALK AT PROPERTY LINE DESIGNATED BY REBAR WITH CAP. CONTRACTOR SHALL PLACE A 6:1 SLOPE TAPER FROM THE TOP OF NEW SIDEWALK ELEVATION TO EXISTING GRADE WITH FILL MATERIAL.
13. 3' TAPER FROM MOUNTABLE CURB ROLL TYPE TO 6" HEADER CURB ON NEW HANDICAP RAMP.
14. 3' TAPER FROM STANDARD BARRIER CURB AND GUTTER TO 6" HEADER CURB ON NEW HANDICAP RAMP.
15. SAWCUT, REMOVE, DISPOSE OF AND REPLACE 5' WIDE ASPHALT CONCRETE PAVEMENT IN ACCORDANCE WITH STANDARD COA DETAIL DRAWING NO. 2465. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING 12" WATERLINE PRIOR TO CONSTRUCTION.
16. SAWCUT, REMOVE, DISPOSE OF AND REPLACE 5' WIDE STANDARD CURB AND GUTTER IN ACCORDANCE WITH STANDARD COA DETAIL DRAWING NO. 2415A. SAWCUT SHALL BE A CLEAN STRAIGHT EDGE. STICH CUTTING WILL NOT BE PERMITTED.
17. NEW 3/4" CONNECTION TO 12" WATER MAIN IN ACCORDANCE WITH STANDARD COA DETAIL DRAWING NO. 2362.
18. NEW 3/4" WATER SERVICE LINE IN ACCORDANCE WITH STANDARD COA DETAIL DRAWING NO. 2362.
19. NEW 3/4" WATER METER AND METER BOX IN ACCORDANCE WITH STANDARD COA DETAIL DRAWING NO. 2361 AND 2362.
20. NEW 3/4" END CAP.

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CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION

TITLE: PUBLIC SERVICE COMPANY OF NEW MEXICO  
CONCRETE SIDEWALK INSTALLATION

SITE PLAN

APPROVED

AUG 05 2013

DESIGN REVIEW COMMITTEE

APPROVED

SEP 24 2013

CITY ENGINEER

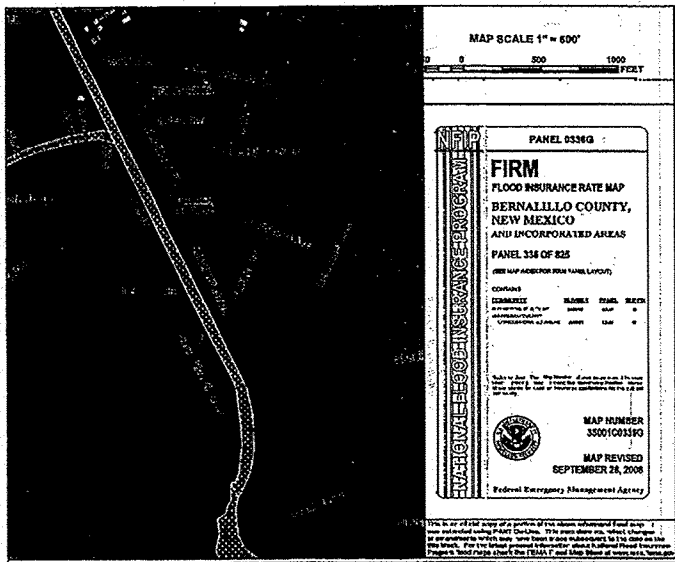
City Project No. 722779

Zone Map No. M-09-Z

Sheet 2 Of 4

Mo./Day/Yr.

Mo./Day/Yr.



## FLOOD ZONE MAP

FLOOD ZONE MAP 35001C01366

### EXISTING ON SITE CONDITIONS

THE PROJECT SITE CONSISTS OF 1.17 ACRES (MORE OR LESS) AND IS CURRENTLY UNDEVELOPED AND CONSISTS OF BARE LAND WITH SPARSE NATIVE VEGETATION. THE PROJECT SITE SLOPES TO THE SOUTHEAST, TO THE AMOLE ARROYO ALONG THE EASTERN PROPERTY LINE. THE PROPERTY SLOPES MODERATELY AT ABOUT 4% TO 6% TO THE SOUTHEAST. THE EASTERN PROPERTY JUST OUTSIDE THE PROPERTY LINE SLOPES 4' TO 10' DOWN AT AN APPROXIMATE SLOPE OF 5:1 TO THE AMOLE TRAIL. THE SUBJECT PROPERTY IS BORDERED ON THE WEST BY SNOW VISTA BOULEVARD SW, ON THE SOUTH BY A PRIVATE OWNER (VACANT LAND) AND ON THE EAST BY THE AMOLE TRAIL AND AMOLE ARROYO. THE EXISTING LAND TREATMENTS FOR THE SITE ARE CATEGORIZED AS 100% A, 0% B, 0% C AND 0% D.

### PROPOSED CONDITIONS

THE PROPOSED IMPROVEMENTS WILL CONSIST OF A 217'x110' PNM ELECTRICAL SUBSTATION. THE SUBSTATION HAS PNM EQUIPMENT INSIDE OF DECORATIVE BLOCK WALLS. THE SURFACE INSIDE THE WALLS WILL BE SURFACED WITH A GRAVEL MATERIAL. PNM REQUIRES THAT ALL STORM WATER RUNOFF WITHIN THE SUBSTATION WALLS BE CONTAINED WITHIN THE WALLS OF THE SUBSTATION WITHIN A 6" DEEP DEPRESSION AS INDICATED ON THE GRADING PLAN. THE SUBSTATION WILL BE ACCESSED BY A 34' WIDE ASPHALT PAVED DRIVEWAY FROM SNOW VISTA BOULEVARD S.W. LOCATED WEST OF THE PROPOSED SUBSTATION. THE ONLY IMPERVIOUS AREAS ARE SMALL CONCRETE FOOTINGS WITHIN THE SUBSTATION WALLS. THE TOP OF THE SUBSTATION WALLS, AND THE ENTRANCE DRIVEWAY WHICH WILL CONSIST OF CURB AND GUTTER AND ASPHALT. THE SITE HAS BEEN DELINEATED INTO TWO EXISTING ON-SITE BASINS (BASINS A AND B), AND THREE ONSITE BASINS (BASINS A, B, AND C) AS INDICATED ON THE EXISTING AND PROPOSED DRAINAGE BASIN MAPS ON THIS SHEET. THE PROPOSED LAND TREATMENTS ARE PROVIDED IN THE HYDROLOGY TABLES DIRECTLY BELOW THE EXISTING AND PROPOSED DRAINAGE BASIN MAPS ON THIS SHEET.

### STORMWATER ROUTING

THE RUNOFF FROM BASIN A WILL BE CONTAINED IN WATER HARVEST AREA #1. THE WATER FROM BASIN B WILL BE CONTAINED WITHIN THE SUBSTATION WALLS AND THE WATER FROM BASIN C WILL BE CONTAINED IN WATER HARVEST AREA #2.

### OFFSITE FLOWS

THERE ARE NO APPARENT OFFSITE FLOWS AFFECTING THE SITE.-1.

### CONCLUSION

WHEN FULLY DEVELOPED, THE WATER HARVEST AREAS WILL CONTAIN THE RUNOFF VOLUME GENERATED FROM THE 100-YEAR 24 HOUR STORM EVENT. THE VOLUME CALCULATIONS FOR THE WATER HARVEST AREAS ARE PROVIDED IN THE SUPPLEMENTAL DRAINAGE CALCULATIONS ON THIS SHEET. EROSION PROTECTION WILL BE PLACED AT AREAS SUSCEPTIBLE TO CONCENTRATED FLOWS AND ALL DISTURBED AREAS WILL BE RE-VEGETATED IN ACCORDANCE WITH NMAPHA REQUIREMENTS.



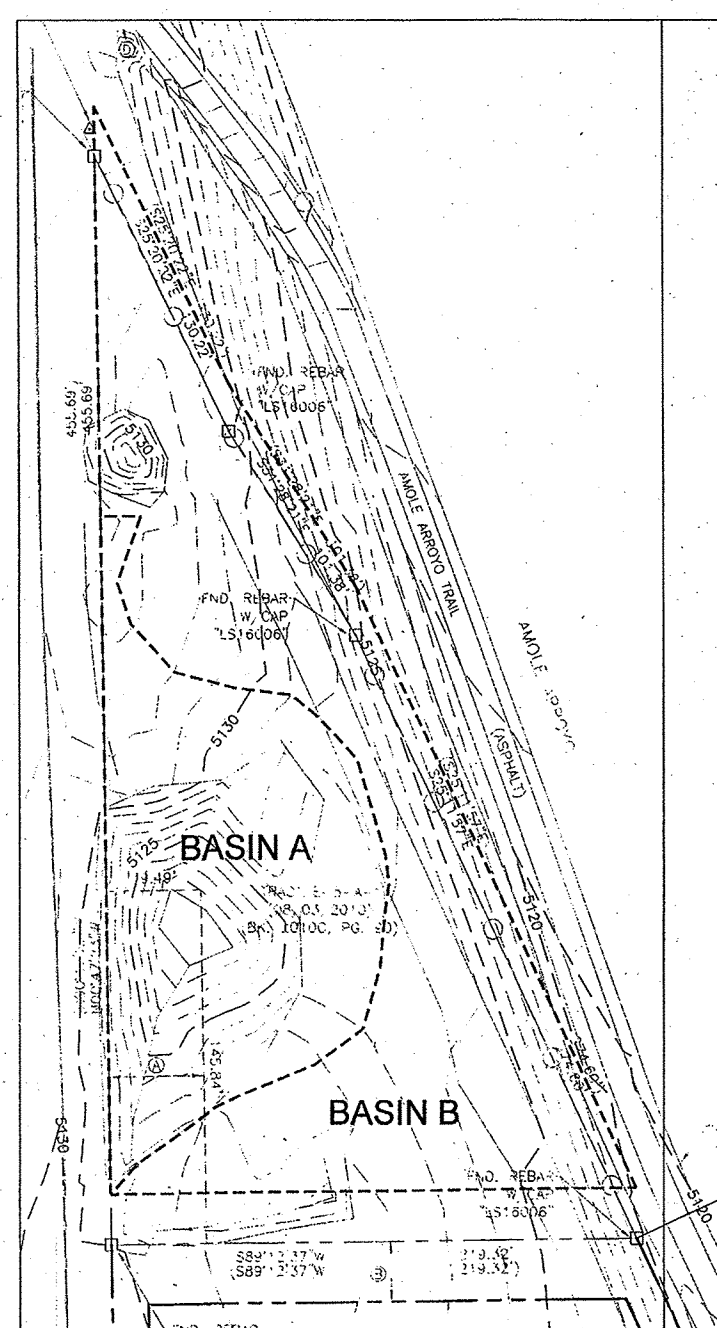
## VICINITY MAP

ZONE ATLAS MAP M-09-2

### GENERAL NOTES:

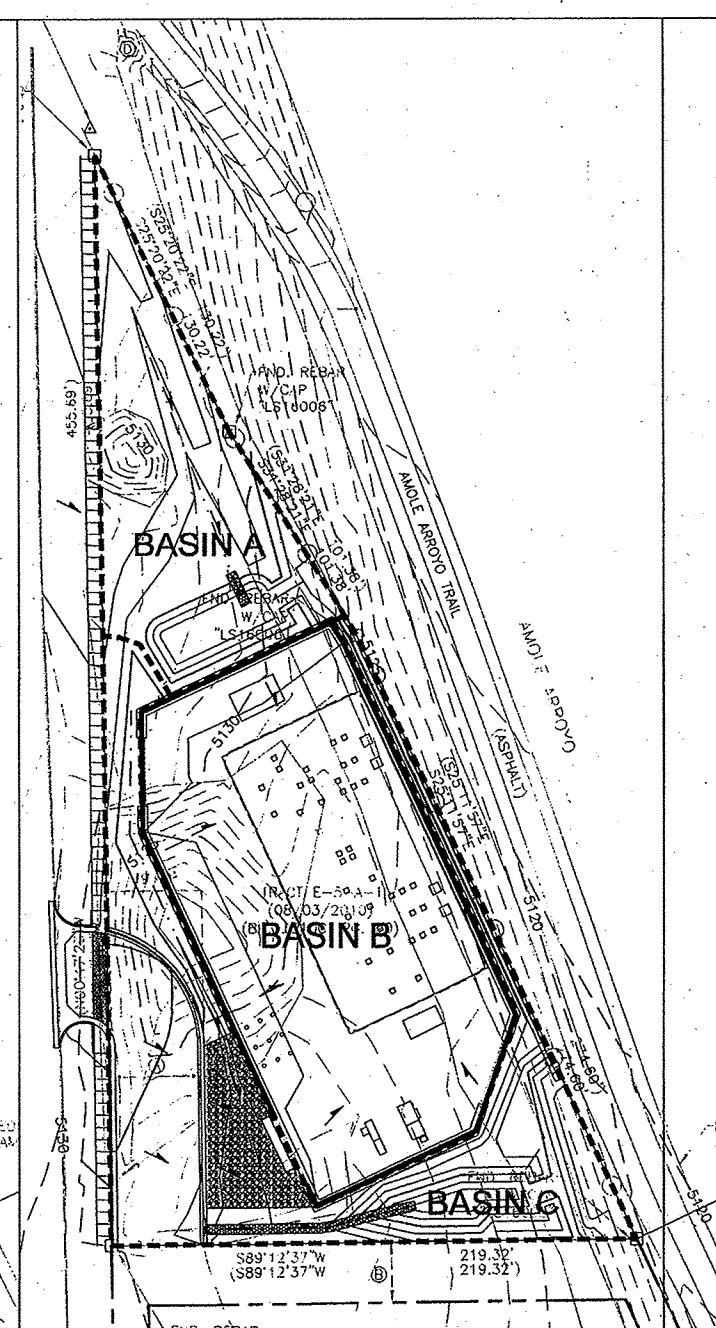
- TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC, CORRALES, NEW MEXICO AUGUST 2011.
- PROJECT BENCHMARK IS A FOUND U.S.C.&G.S. SURVEY CONTROL BRASS DISC SET IN CONCRETE STAMPED "TRANS 1969" LOCATED 1.2 MILES SOUTH OF THE INTERSECTION OF 98th STREET AND SNOW VISTA BLVD., THENCE SOUTHEAST ALONG SNOW VISTA BLVD. AND THE CO-OP ELECTRIC TRANSMISSION LINE 0.85 MILES TO A PYLON NUMBERED 52. ELEVATION = 5,121.09 FEET (NAVD 1988 VERTICAL DATUM).
- TEMPORARY BENCHMARK IS A TERRA LAND SURVEY 5/8" REBAR WITH AN ALUMINUM CAP STAMPED "CP 100". ELEVATION=5,133.34 FEET (NAVD 88 VERTICAL DATUM)
- COORDINATES ARE GROUND/PROJECT VALUES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27 DATUM.
- TOPOGRAPHIC SURVEY WAS COMPILED UTILIZING GROUND COORDINATES REFERENCED TO THE NAD 83 NEW MEXICO CENTRAL ZONE COORDINATE SYSTEM. PRIMARY HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED UTILIZING GPS RTK METHODS (COMBINED GROUND TO GRID FACTOR = 0.999682702).
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- ALL EMBANKMENTS SHALL BE PLACED AND COMPACTED IN LIFTS OF MAXIMUM OF 8". THE EMBANKMENTS SHALL BE WETTED AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D1557 AND 95% UNDER ALL STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X. DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD PLANE ACCORDING TO THE FLOOD INSURANCE RATE MAP, ALBUQUERQUE, NEW MEXICO AND UNINCORPORATED AREAS PER MAP NO 35001C 3366.

- ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STORM DRAINAGE REGULATIONS. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE "GRADING AND DRAINAGE DESIGN REQUIREMENTS AND POLICIES FOR LAND DEVELOPMENT."
- THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL TAKE ALL APPROPRIATE AND REASONABLE MEASURES TO PREVENT SEDIMENT OR POLLUTANT LADEN STORM WATER FROM EXITING THE SITE DURING CONSTRUCTION. STORMWATER MAY BE DISCHARGED IN A MANNER WHICH COMPLIES WITH THE APPROVED GRADING AND DRAINAGE PLAN.
- THE CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO PREVENT THE MOVEMENT OF CONSTRUCTION RELATED SEDIMENT, DUST, MUD, POLLUTANTS, DEBRIS, WASTE, ETC FROM THE SITE BY WIND, STORM FLOW OR ANY OTHER METHOD EXCLUDING THE INTENTIONAL, LEGAL TRANSPORTATION OF SAME IN A MANNER ACCEPTABLE BY THE CITY.
- THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.
- IN THE EVENT THAT THE PNM SPECIFICATIONS DO NOT ADDRESS A SPECIFIC ELEMENT OF WORK OUTLINED IN THESE DRAWINGS, THE GOVERNING SPECIFICATION THAT SHALL BE UTILIZED AND REFERENCED BY THE CONTRACTOR SHALL BE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (LATEST EDITION).



## EXISTING DRAINAGE BASIN MAP

SCALE: 1"=40'



## PROPOSED DRAINAGE BASIN MAP

SCALE: 1"=40'

## DRAINAGE DATA

Precipitation Zone 1 - 100-year Storm		P(360) = 2.20		in		P(1440) = 2.66		in	
Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
		A	B (Acres)	C	D				
Existing Conditions									
A	0.45	0.45	0.00	0.00	0.00	0.44	0.017	0.017	0.58
B	0.72	0.72	0.00	0.00	0.00	0.44	0.026	0.026	0.93
Total	1.17								1.51
Proposed Conditions									
A	0.27	0.13	0.00	0.14	0.00	0.73	0.016	0.016	0.57
B	0.52	0.00	0.00	0.49	0.03	1.05	0.045	0.047	1.54
C	0.38	0.03	0.00	0.24	0.11	1.23	0.039	0.043	1.21
Total	1.17								3.32

Precipitation Zone 1 - 10-year Storm			P(360) = 1.47 in			P(1440) = 1.78 in			
Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(10-6) (af)	V(10-24) (af)	Q(10) (cfs)
		A	B	C	D				
Existing Conditions									
A	0.45	0.45	0.00	0.00	0.00	0.08	0.003	0.003	0.11
B	0.72	0.72	0.00	0.00	0.00	0.08	0.005	0.005	0.17
Total	1.17								0.28
Proposed Conditions									
A	0.27	0.13	0.00	0.14	0.00	0.27	0.006	0.006	0.24
B	0.52	0.00	0.00	0.49	0.03	0.49	0.021	0.022	0.82
C	0.38	0.03	0.00	0.24	0.11	0.64	0.020	0.023	0.68
Total	1.17								1.74

REVISION  
NO. DATE BY



### PROPRIETARY STATEMENT

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### PNM PUBLIC SERVICE COMPANY OF NEW MEXICO

VICINITY MAP, FLOOD ZONE MAP, DRAINAGE BASINS, AND CALCULATIONS SNOW VISTA SUBSTATION

DR: JJ TR: DATE: 04/02/12  
CKD: OK: SCALE: 1" = 40'-0"  
APP: ACAD FILE: USS-8202-04  
REV. NO. 0

FOR INFORMATION ONLY

2-A

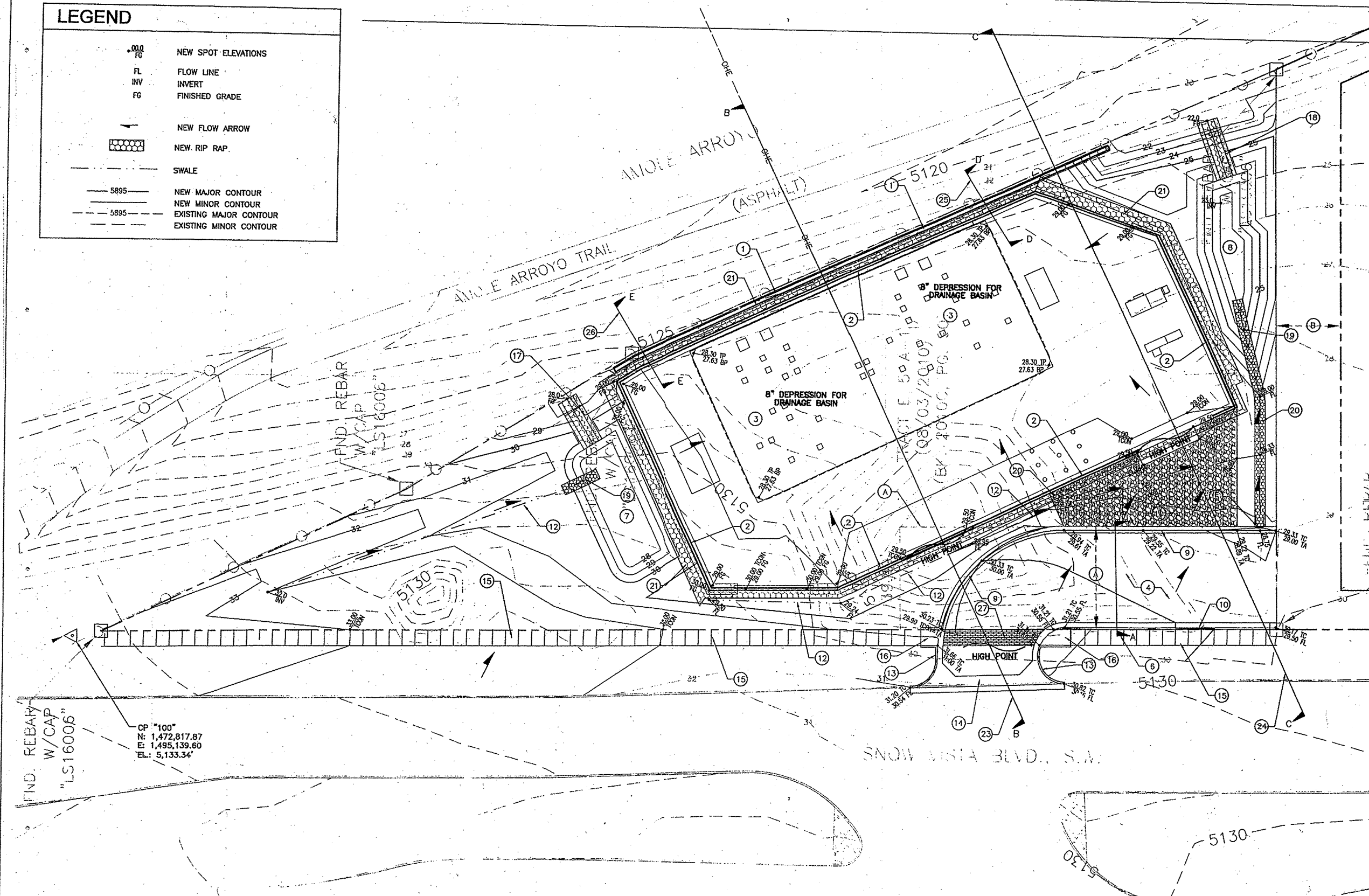


# LEGEND

- NEW SPOT ELEVATIONS
- FL FLOW LINE
- INV INVERT
- FG FINISHED GRADE
- NEW FLOW ARROW
- NEW RIP RAP
- SWALE
- 5895 NEW MAJOR CONTOUR
- 5895 NEW MINOR CONTOUR
- 5895 EXISTING MAJOR CONTOUR
- 5895 EXISTING MINOR CONTOUR

## KEY NOTES

- 1 NEW RETAINING WALL WITH FENCE MOUNTED ON TOP. SEE STRUCTURAL SHEETS FOR ALL CONSTRUCTION REQUIREMENTS.
  - 2 NEW YARD WALL. SEE STANDARD PNM DETAIL SHEETS FOR ALL CONSTRUCTION REQUIREMENTS.
  - 3 NEW 8" DEEP DRAINAGE BASIN.
  - 4 NEW ASPHALT PAVEMENT. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407 AND #2415A, COLLECTOR STREET.
  - 5 PROVIDE 24" CURB CUT IN NEW CURB AND GUTTER TO ALLOW FOR DRAINAGE.
  - 6 FOR SECTION A-A SEE SHEET USS-8202-06. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWINGS #2407 AND #2415A, COLLECTOR STREET.
  - 7 NEW WATER HARVEST AREA #1. SEE SHEET USS-8202-07 FOR TYPICAL SECTION DETAIL. TOP=30.0, INV=28.0
  - 8 NEW WATER HARVEST AREA #2. SEE SHEET USS-8202-07 FOR TYPICAL SECTION DETAIL. TOP=26.50, INV=23.0
  - 9 NEW MOUNTABLE CURB ROLL TYPE. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A.
  - 10 NEW DEPRESSED GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A.
  - 11 NEW BASE COURSE SURFACING. SEE SHEET USS-8202-06 FOR TYPICAL SECTION DETAIL.
  - 12 NEW EARTHEN SWALE. SEE SHEET USS-8202-06 FOR DETAIL.
  - 13 NEW STANDARD CURB AND GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2415A.
  - 14 NEW CONCRETE VALLEY GUTTER. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2420.
  - 15 NEW CONCRETE SIDEWALK. REFERENCE THIS SHEET FOR OFFSET DISTANCE FROM BACK OF EXISTING CURB FOR SNOW VISTA BLVD. OFFSET FROM BACK OF EXISTING CURB VARIES FROM 13' TO 19'. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWINGS #2430, #2431, #2450, AND #2451.
  - 16 NEW HANDICAP RAMP. SEE SHEET USS-8202-06 FOR DETAIL.
  - 17 NEW RIP RAP SPILLWAY #1. SEE SHEET USS-8202-07 FOR DETAIL. TOP OF SPILLWAY=29.0
  - 18 NEW RIP RAP SPILLWAY #2. SEE SHEET USS-8202-07 FOR DETAIL. TOP OF SPILLWAY=25.5
  - 19 NEW RIP RAP RUNDOWN. SEE SHEET USS-8202-07 FOR DETAIL.
  - 20 NEW RIP RAP SWALE. SEE SHEET USS-8202-06 FOR DETAIL.
  - 21 NEW COBBLE STONE APRON. SEE SHEET USS-8202-06 FOR DETAIL.
  - 22 FILL IN EXISTING HOLE AS SHOWN. FILL SHALL BE DONE IN ACCORDANCE WITH GENERAL NOTE 14 ON SHEET USS-8202-02.
  - 23 FOR SECTION B-B SEE SHEET USS-8202-08.
  - 24 FOR SECTION C-C SEE SHEET USS-8202-08.
  - 25 FOR SECTION D-D, SEE STRUCTURAL SHEETS.
  - 26 FOR SECTION E-E, SEE STRUCTURAL SHEETS.
  - 27 NEW BRICK STAMPED AND COLORED CONCRETE. THE CONTRACTOR SHALL COORDINATE WITH PNM FOR COLOR SELECTION AND REFERENCE PNM SPECIFICATIONS FOR THIS WORK.
- EASEMENT LEGEND**
- (A) EASEMENT ACCESS EASEMENT (08/03/2010) (BK. 2010C, PG. 90)
- (B) 25' PUBLIC UTILITY EASEMENT (08/03/2010) (BK. 2010C, PG. 90)



## GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'

REVISION	NO.	DATE	BY



**PROPRIETARY STATEMENT**

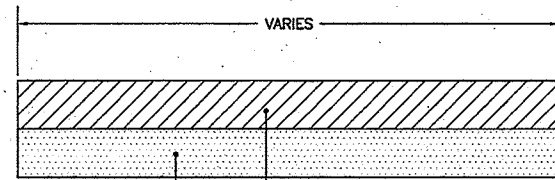
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<b>PNM PUBLIC SERVICE COMPANY OF NEW MEXICO</b>		
GRADING AND DRAINAGE PLAN		
GRADING AND DRAINAGE DESIGN		
SNOW VISTA SUBSTATION		
DR: JMJ/KR	TR:	DATE: 04/02/12
CKD:	OK:	SCALE: 1" = 20'-0"
APP:	ACAD FILE:	USS-8202-05
REV. NO. 0	USS-8202-05	USS-8202-05

For INFORMATION ONLY

2-B



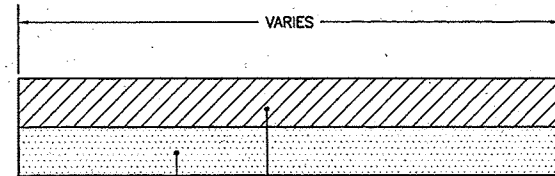


8" REINFORCED BRICK STAMPED AND GREY COLORED CONCRETE. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407. BRICK STAMPED PATTERN MUST MEET ADA STANDARDS AND BE ADA COMPLIANT. CONTRACTOR SHALL SUBMIT A COLOR AND PATTERN DETAIL FOR APPROVAL PRIOR TO CONSTRUCTION.

12" SUBGRADE PREPARATION (R VALUE=50). SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407.

### A 8" BRICK STAMPED AND GREY COLORED CONCRETE PAVEMENT SECTION

SCALE: NO SCALE

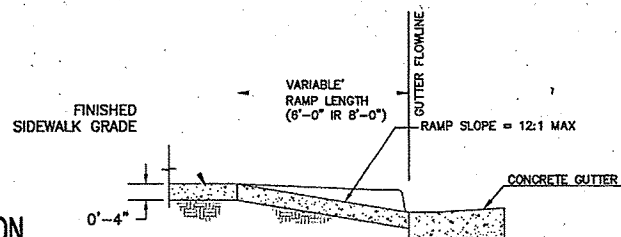


8" REINFORCED CONCRETE. SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407.

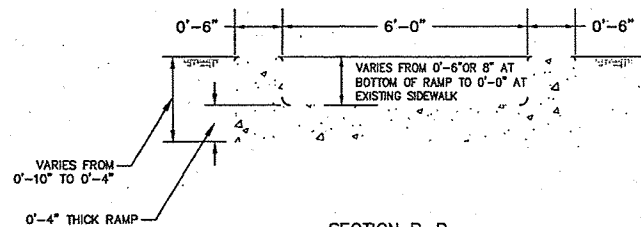
12" SUBGRADE PREPARATION (R VALUE=50). SEE STANDARD CITY OF ALBUQUERQUE DETAIL DRAWING #2407.

### A 8" CONCRETE PAVEMENT SECTION

SCALE: NO SCALE



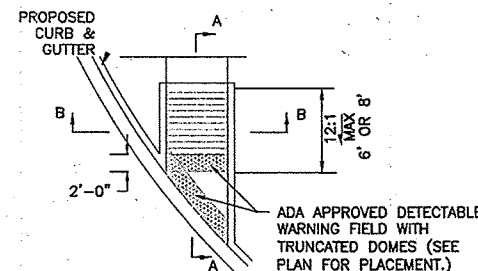
SECTION A-A



SECTION B-B

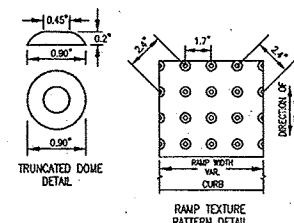
### A NEW HANDICAP RAMP DETAIL

SCALE: NO SCALE



ADA APPROVED DETECTABLE WARNING FIELD WITH TRUNCATED DOMES (SEE PLAN FOR PLACEMENT).

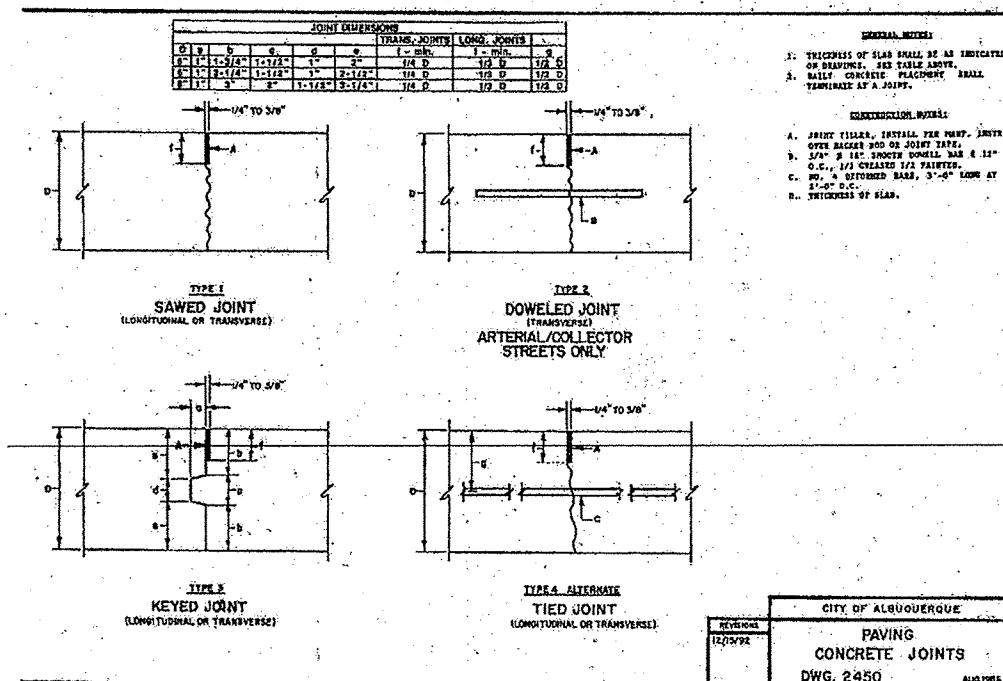
NOTE:  
1. DESIGN PER ADA GUIDELINES.  
2. SUBMIT SPECIFICATION TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.



NOTE:  
1. SUBMIT SPECIFICATION TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.

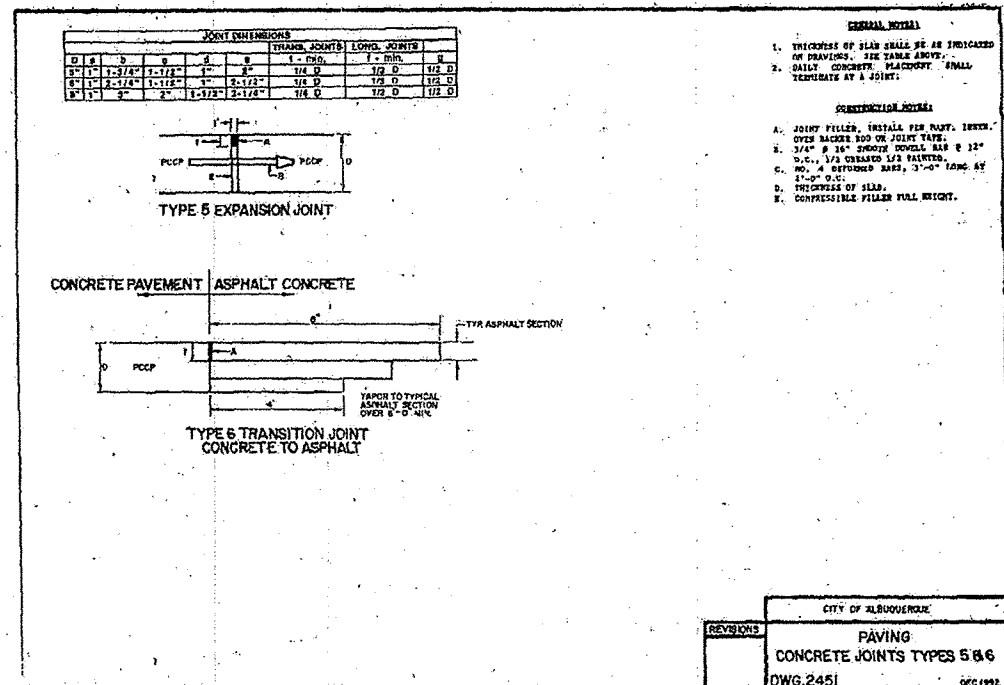
### A DETECTABLE WARNING SURFACE

SCALE: NO SCALE



### A STANDARD DRAWING 2450

SCALE: NO SCALE



### A STANDARD DRAWING 2451

SCALE: NO SCALE

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CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION

TITLE: PUBLIC SERVICE COMPANY OF NEW MEXICO  
CONCRETE SIDEWALK INSTALLATION

MISCELLANEOUS DETAILS

Design Review Committee  
JUL 2 2013  
DESIGN REVIEW COMMITTEE

Engineer Approval  
SEP 24 2013  
CITY ENGINEER

Mo./Day/Yr. Mo./Day/Yr.  
Last Design Update

City Project No. 722779 Zone Map No. M-09-Z Sheet 4 Of 4