

SCANNED BY
PLANNING



CONSTRUCTION PLANS FOR LA CUEVITA OESTE SUBDIVISION

UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
MARCH 2006

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G
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12. EAGLE ROCK AVENUE STORM DRAIN IMPROVEMENTS

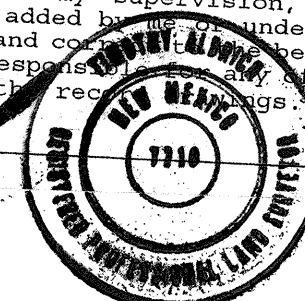
Record Drawing

I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY ENGINEER AND THAT THE ORIGINAL DESIGN INTENT HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND A SURVEY INFORMATION PROVIDED BY TIMOTHY ALDRICH NMPS 7710.



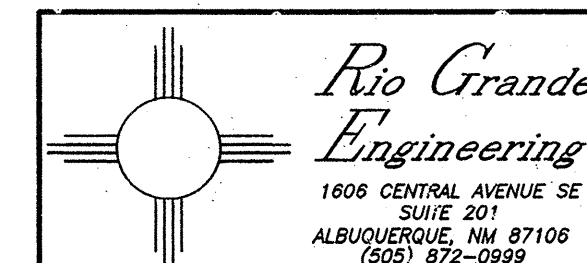
SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief. Aldrich Land Surveying is not responsible for the design concepts, calculations, engineering, or intent of the drawings.

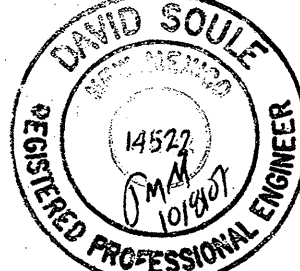


APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Anthony Lopez
DATE: 05/29/08

DRB# 1003800

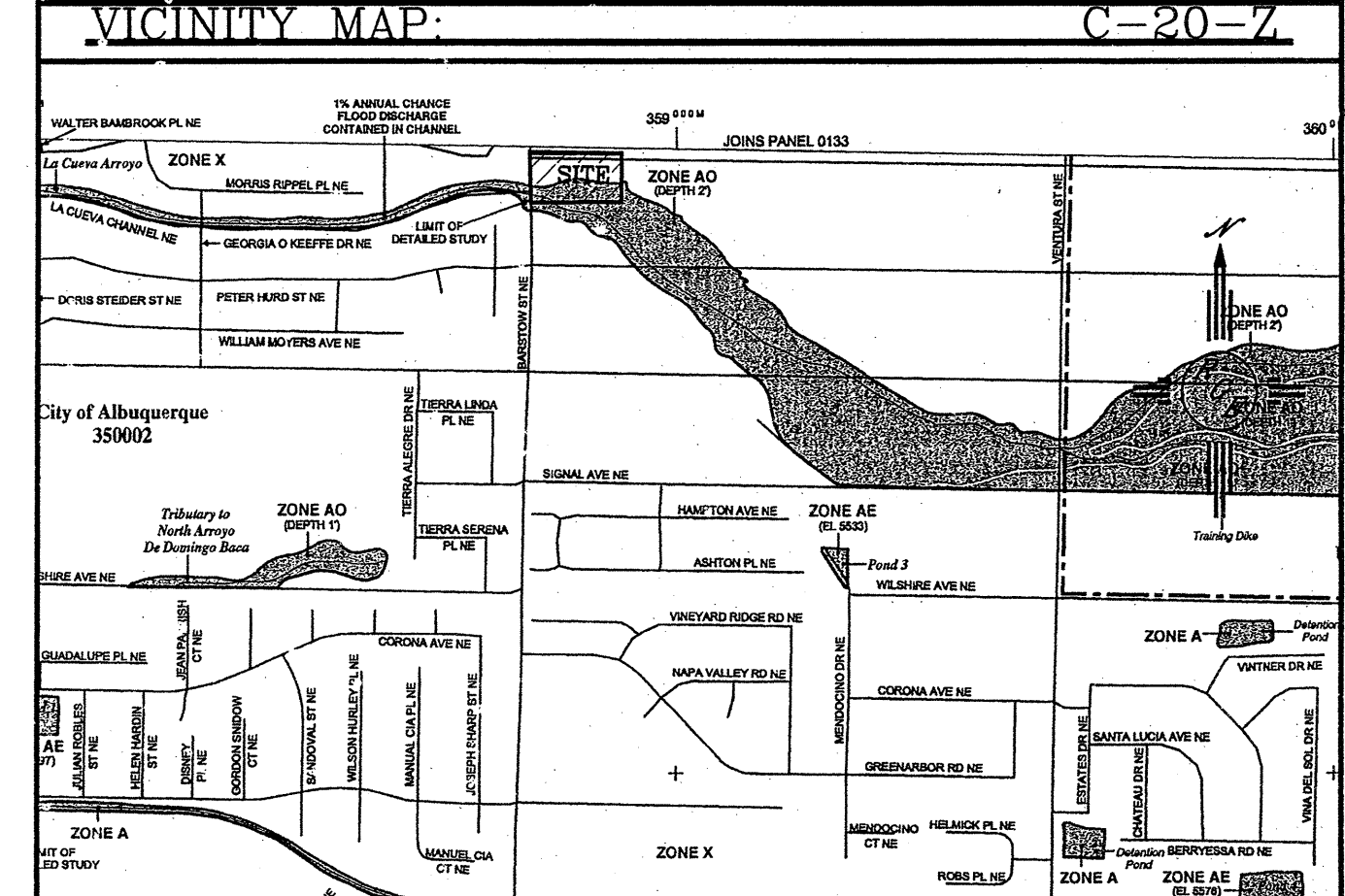
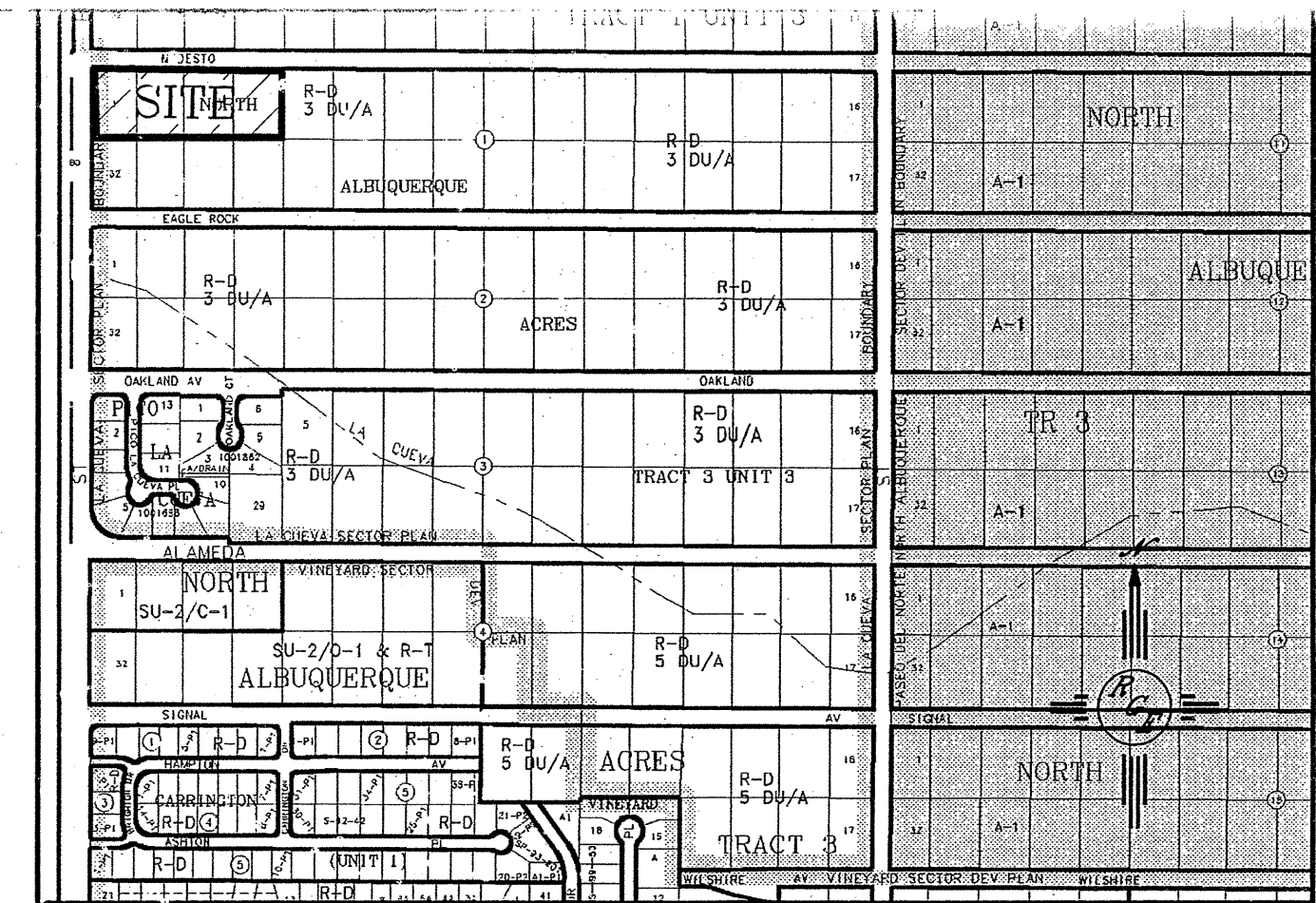


- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>Woodell</i>	<i>11/26/07</i>	APPROVED FOR CONSTRUCTION		
		Transportation	<i>Bradley B. B...</i>	<i>10/15/07</i>			
		Water/Wastewater	<i>William D. B...</i>	<i>10/17/07</i>			
		Hydrology	<i>Bradley B. B...</i>	<i>10/15/07</i>			
		C.I.P.					
		Constr. Mngmt.			<i>David Soule</i> 11/28/07 City Engineer Date		
		Constr. Coord.					
		CITY PROJECT NO.				SHEET	
	714684				1 OF 12		

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.



FIRM MAP: 35001C0141F

LEGAL DESCRIPTION:
LOT 1,2,3,4 NORTH ALBUQUERQUE ACRES BLK 2

- NOTES:
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
 2. ALL CURB AND GUTTER TO BE STANDARD PER COA STD DWG #2415A UNLESS OTHERWISE NOTED.
 3. ALL DRIVEPADS TO BE BUILT WHERE SHOWN.

LEGEND

- 18" RCP PROPOSED STORM SEWER LINE
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED PERIMETER WALL
- PROPOSED RETAINING WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- FLOW ARROW
- SLOPE TIE
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL	LA CUEVA ESTATES	DRAWN BY WCWJ
DAVID SOULE REGISTERED PROFESSIONAL ENGINEER 14822	GRADING AND DRAINAGE PLAN	DATE 3-06-06
	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 3 OF 12
		JOB # 2442

CPI 714684

END TEMPORARY ASPHALT CURB
PER COA STD DWG #2415B

BARSTOW STREET NW

SECTION B-B

NTS

3.95% EAGLE ROCK AVE NW

BUILD 1-DOUBLE TYPE A INLET
GRATE=5491.00
18" RCP INV OUT=5484.07

EX. SD MH
ADJUST RIM TO=5491.33
E 36" RCP INV IN=5483.77
N&S 18" RCP INV IN=5483.77
W 36" RCP INV OUT=5483.67

BUILD 1-TYPE A INLET
GRATE=5491.17
18" RCP INV OUT=5484.00

BUILD 1-6" DIA TYPE E SD MH
RIM=5496.22
36" RCP INV IN=5490.88
18" RCP INV IN=5490.88
36" RCP INV OUT=5490.78

BUILD 1-DOUBLE TYPE A INLET
GRATE=5495.88
18" RCP INV OUT=5491.36

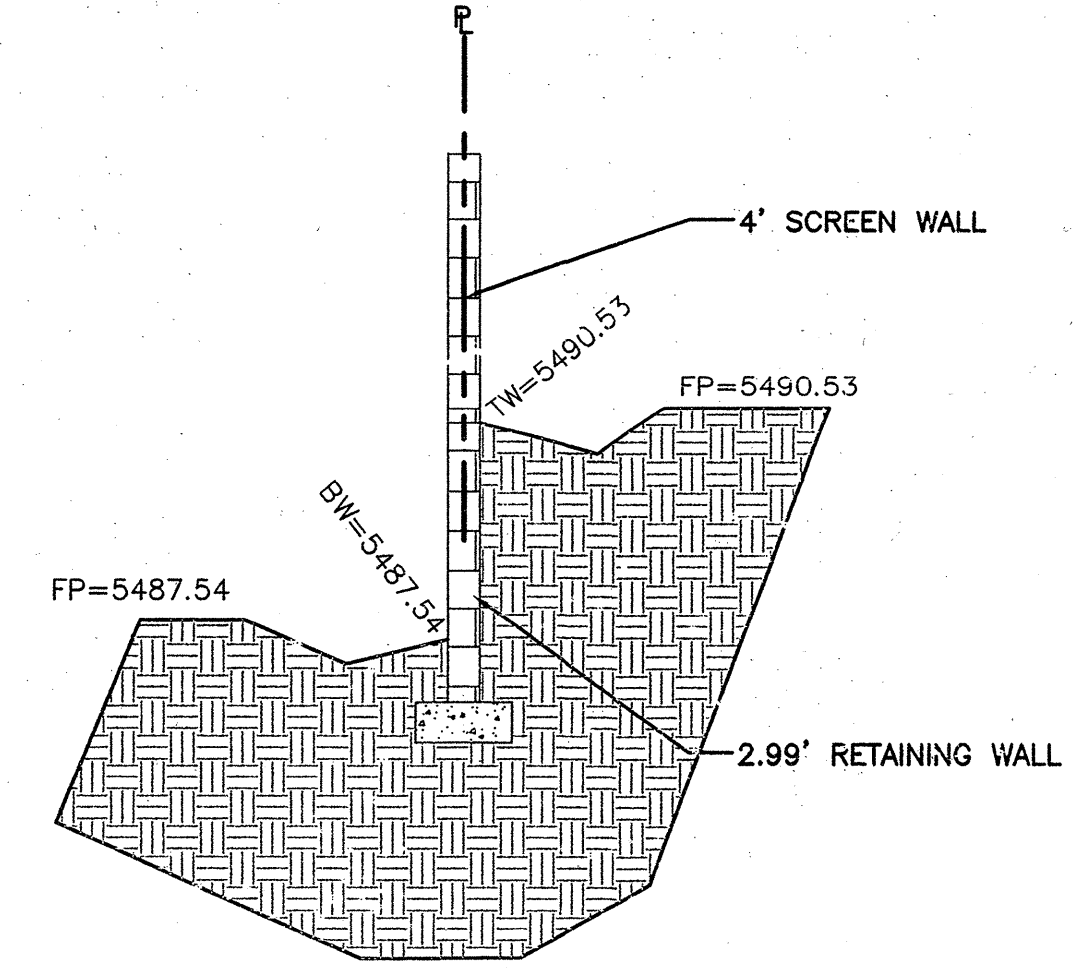
BEGIN STD C&G
PER COA STD DWG #2415A

13 LF OF 36" CLASS III
RCP @ 3.53%

CAP 36" RCP
INV=5491.85

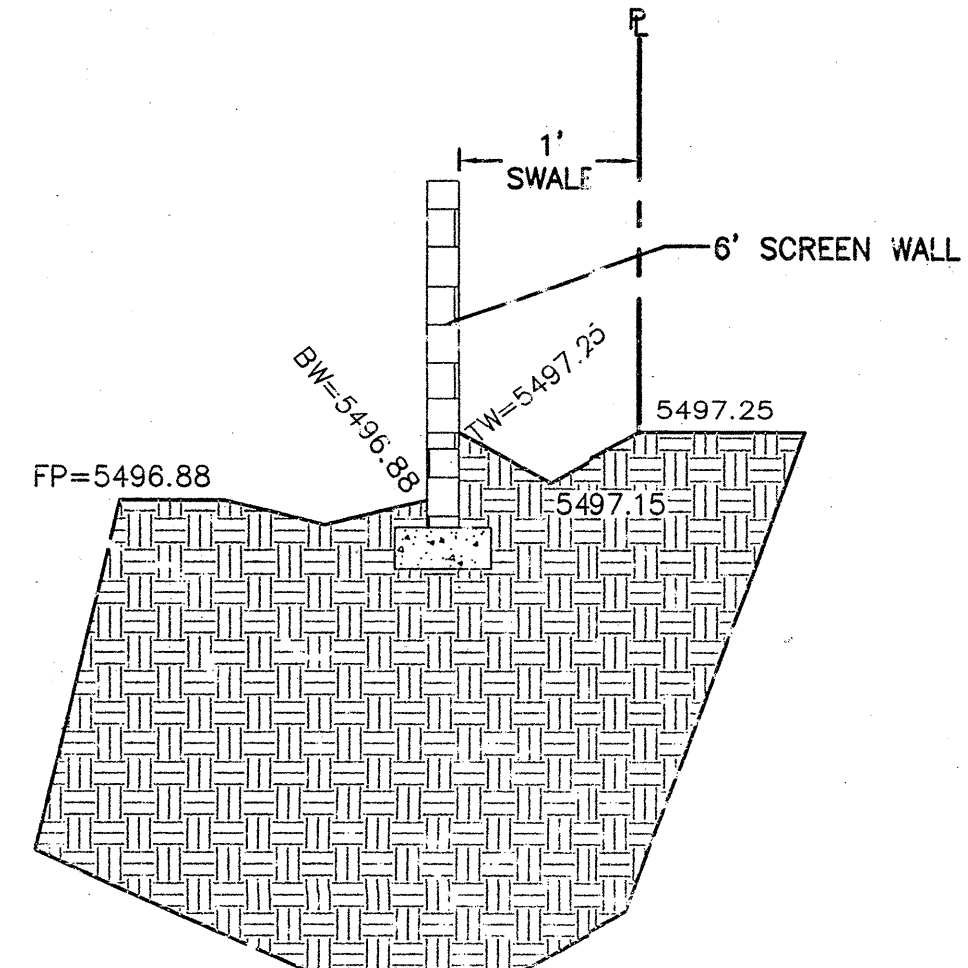
BEGIN MOUNTABLE C&G
PER COA STD DWG #2415A

187 LF OF 36" CLASS III
RCP @ 3.80%



SECTION A-A

NTS

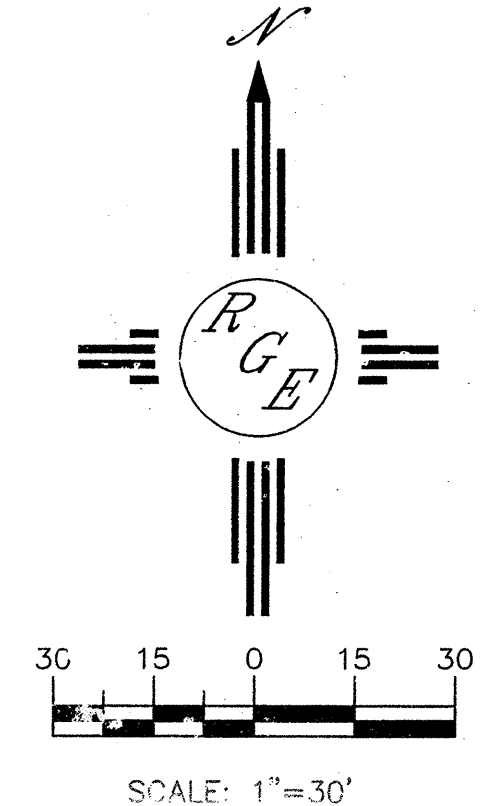


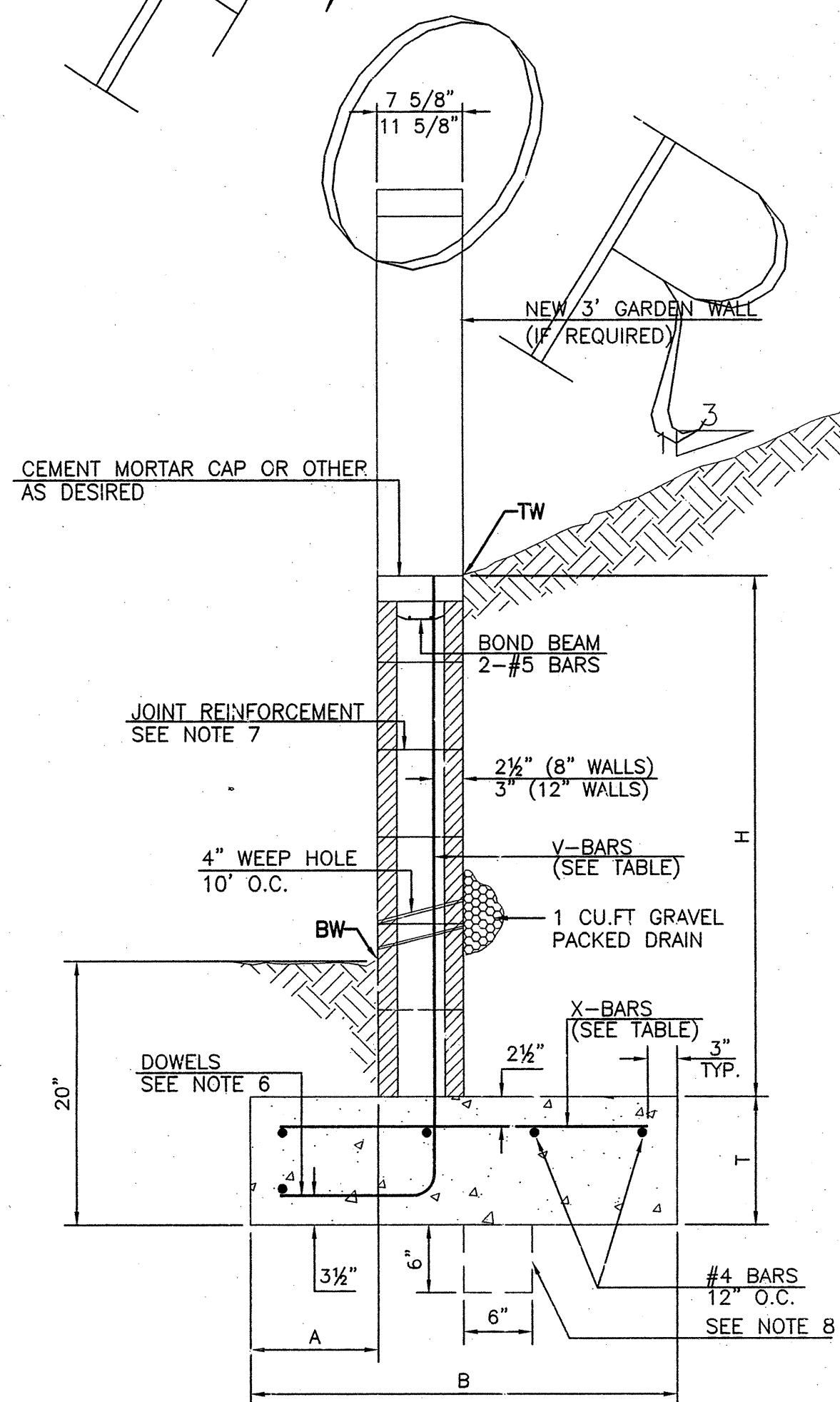
SECTION C-C

NTS

CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

For
Information
Only





RETAINING WALL DETAIL

NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	V-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
3'-4"	8"	2'-6"	10"	#4 @32" O.C.	#4 @32" O.C.
4'-0"	10"	2'-10"	10"	#4 @32" O.C.	#4 @32" O.C.
4'-8"	12"	3'-6"	12"	#4 @24" O.C.	#4 @24" O.C.
5'-4"	14"	3'-10"	12"	#4 @16" O.C.	#4 @16" O.C.
6'-0"	16"	4'-4"	12"	#4 @16" O.C.	#4 @16" O.C.
6'-8"	18"	4'-10"	14"	#5 @16" O.C.	#5 @16" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	V-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#4 @24" O.C.	#4 @24" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @16" O.C.
6'-8"	16"	4'-6"	12"	#5 @24" O.C.	#5 @24" O.C.
7'-4"	18"	4'-10"	12"	#6 @16" O.C.	#6 @16" O.C.
8'-0"	20"	5'-4"	12"	#7 @24" O.C.	#7 @24" O.C.

GENERAL NOTES:

- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
- MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
- BACKFILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- ALL BARS ARE TO BE GRADE 60, ASTM 615.
- TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
- DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- JOINT REINFORCEMENT CONSISTING OF 9GA. LONGITUDINAL WIRE AND 3/16" CROSS RODS SHALL BE PROVIDED AT 8" CENTERS VERTICALLY.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
- USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

1~1.5" ASPHALT CONCRETE, 1800 LBS. STABILITY, TYPE C GRADATION.

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

1' SUBGRADE SOIL. R-VALUE > 50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$, ASTM D1557, OR OPT. MOISTURE, TO $+4\%$, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATION.

1~1.5" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLES, VALVES, COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY TYPE C GRADATION.

STANDARD C&G PER C.O.A.- STD DWG #2415A

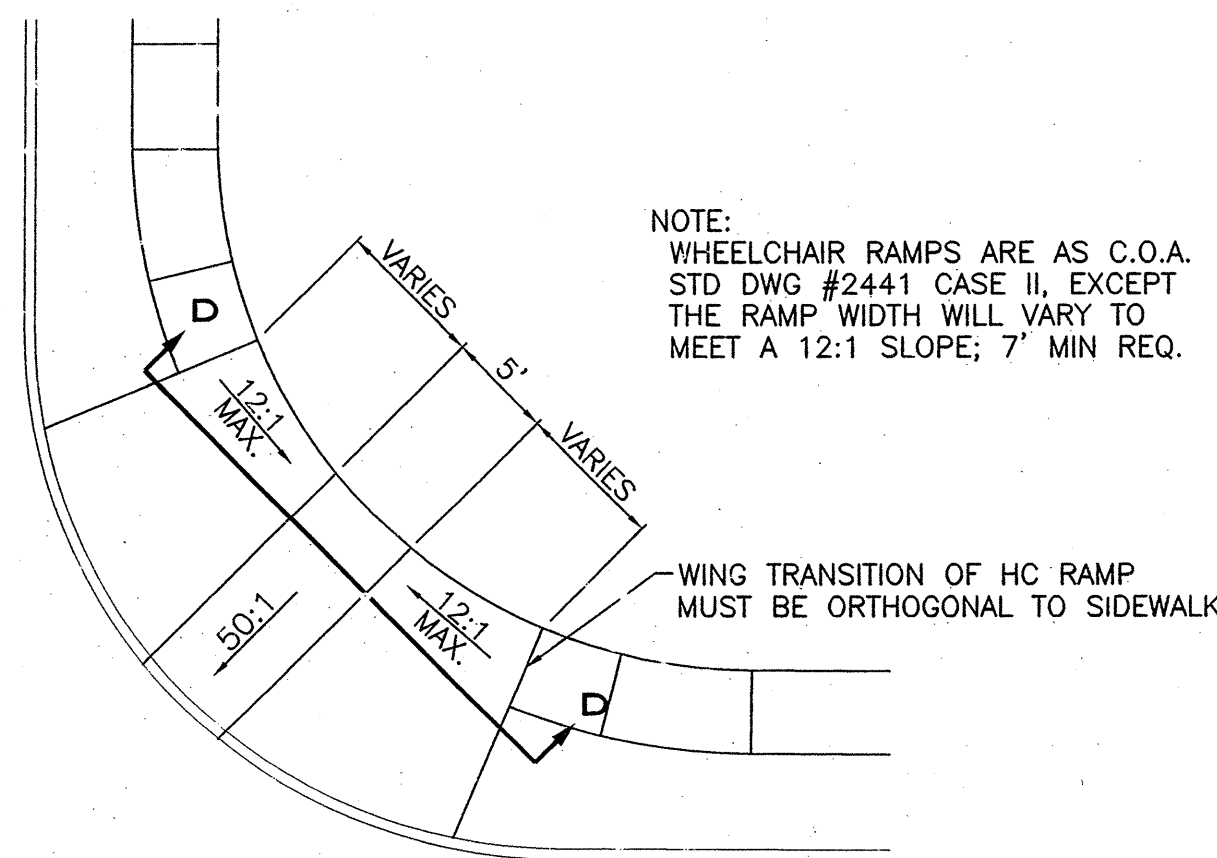
CONSTRUCTION JOINT - 90% MIN. COMPACTION.

2-6" LIFTS, SUBGRADE SOIL. 95% MIN. COMPACTION TO ASTM D1557

COMPACTED SUBGRADE TO 95% ASTM D1557

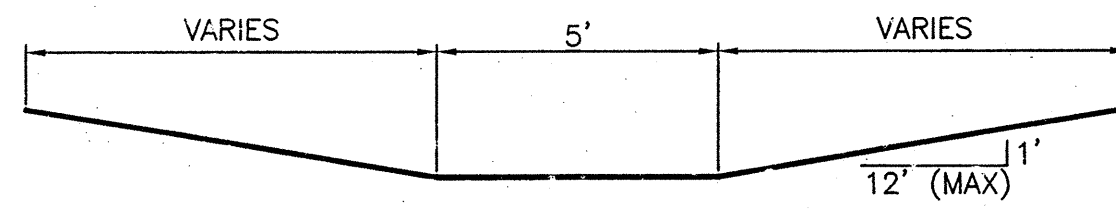
RESIDENTIAL PAVING SECTION (STANDARD CURB)

NTS



WHEELCHAIR RAMP DETAIL (TYP.)

NTS

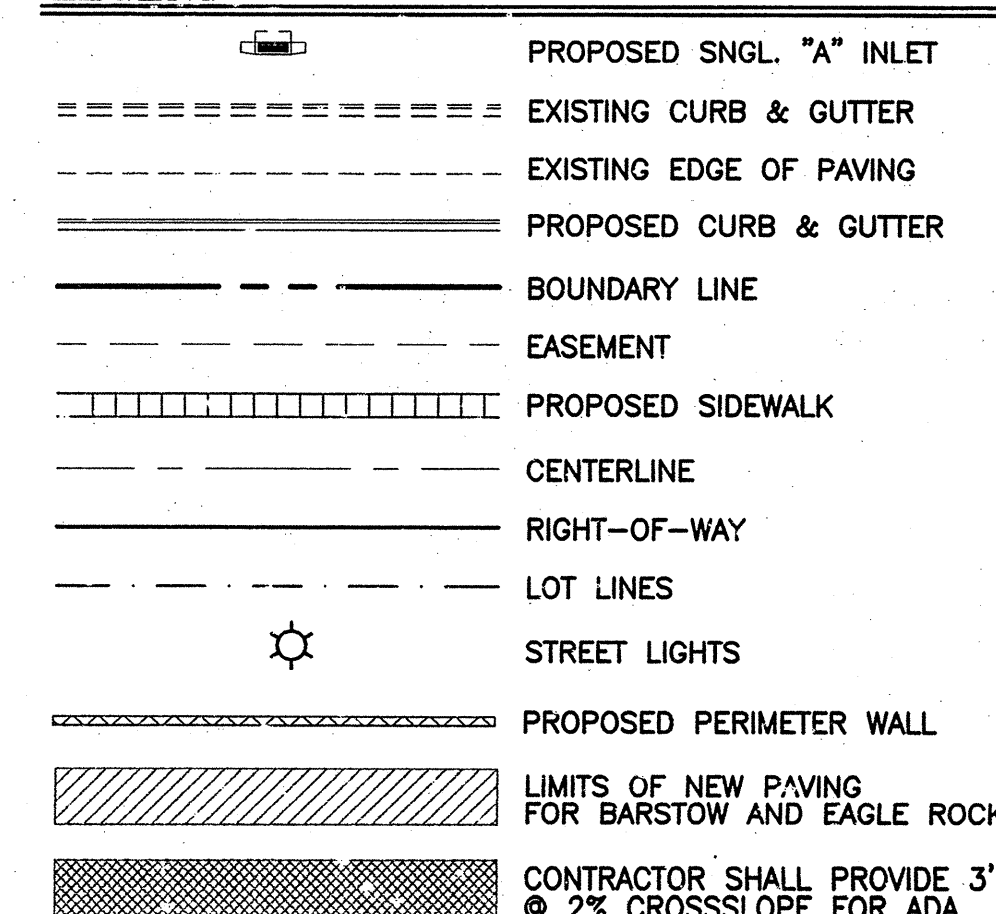
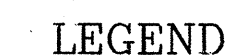
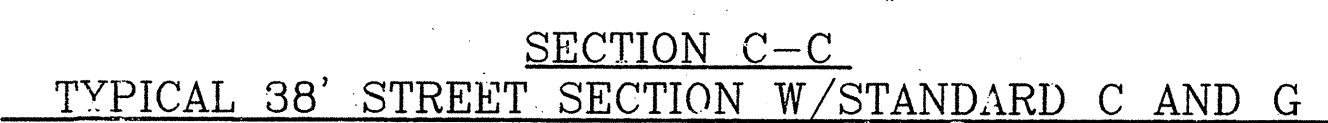
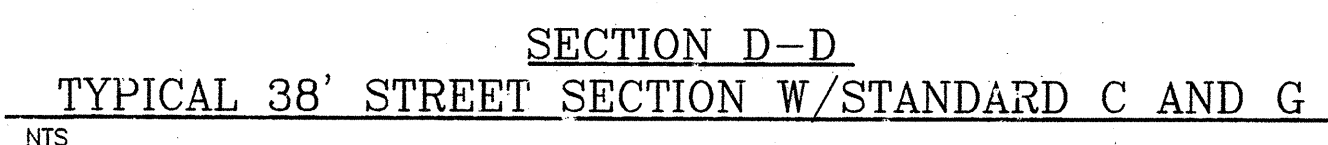
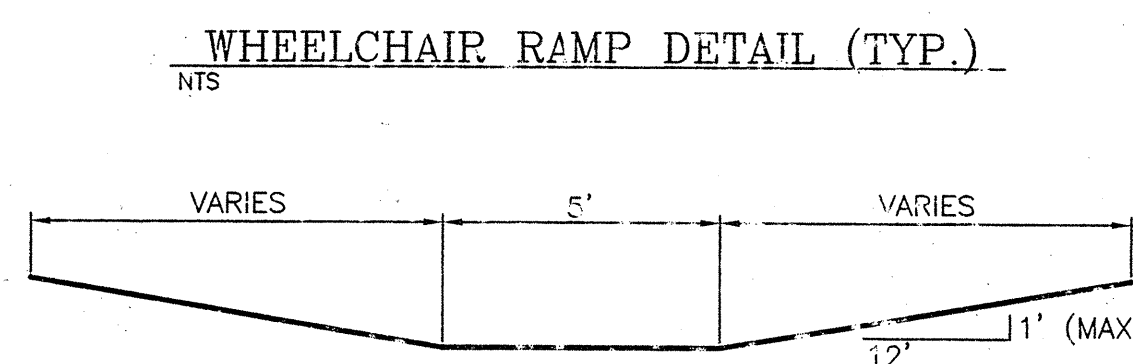
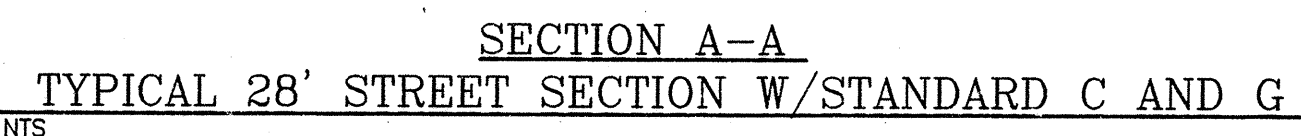


SECTION D-D

NTS

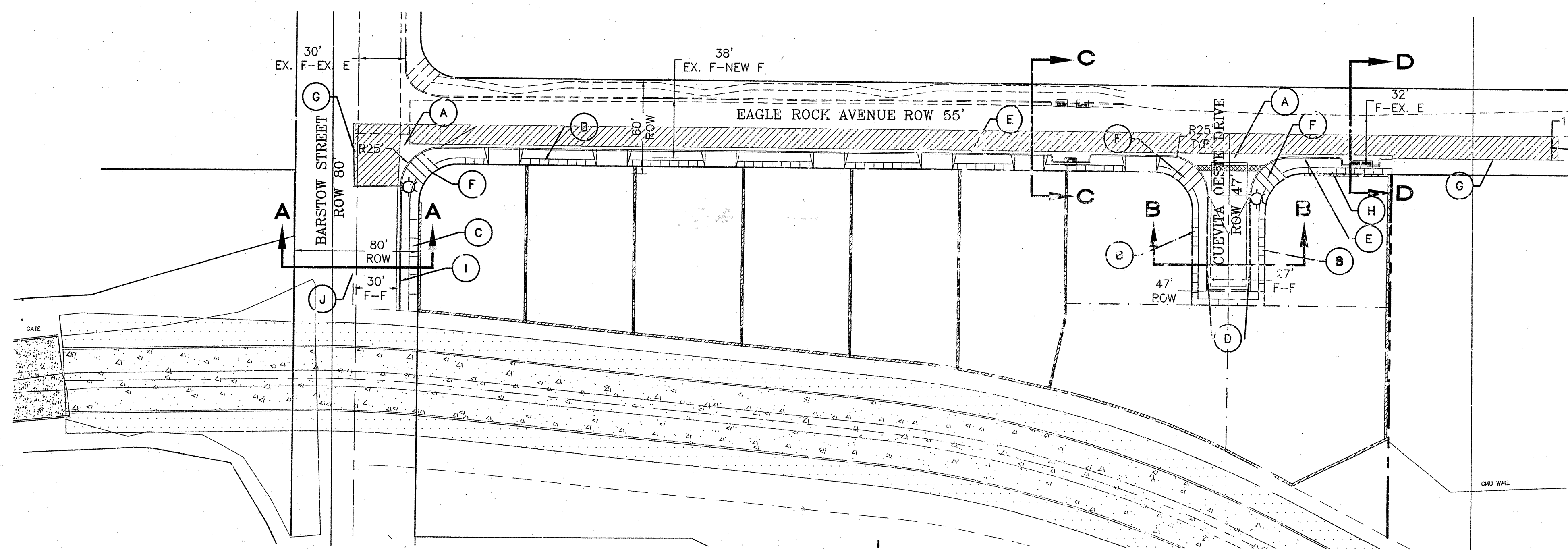
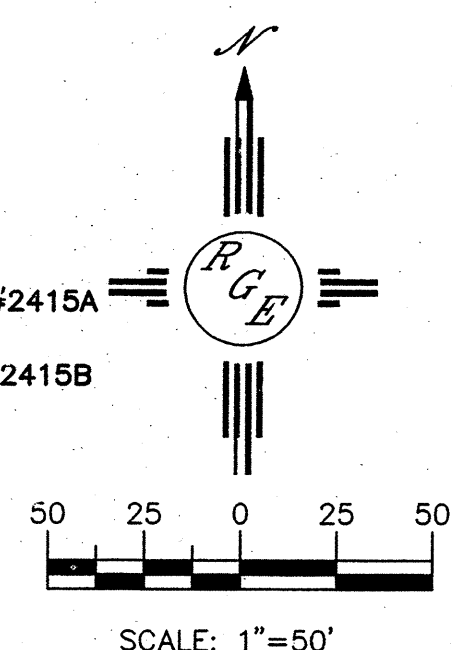
CPN 714684

ENGINEER'S SEAL	LA CUEVA ESTATES	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 10-28-05
	<i>Rio Grande Engineering</i>	2442-088-10-19-05X
	1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0989	SHEET # 4 OF 12
DAVID SOULE P.E. #14522		JOB # 2442



KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE DEFERRED
- (C) FUTURE 6' SIDEWALK TO BE BUILT WITH BARSTOW CROSSING
PER COA STD DWG #2430
- (D) MOUNTABLE C&G PER COA STD DWG #2415A
- (E) STANDARD C&G PER COA STD DWG #2415A
- (F) HANDICAP RAMP SEE DETAIL THIS SHEET
- (G) ASPHALT CURB PER COA STD DWG #2415B
- (H) 4' SIDEWALK TO BE BUILT W/THIS PROJECT
PER COA STD DWG #2430
- (I) FUTURE STANDARD C&G PER COA STD DWG #2415A
TO BE BUILT W/BARSTOW CROSSING
- (J) FUTURE ASPHALT CURB PER COA STD DWG #2415B
TO BE BUILT W/BARSTOW CROSSING



TACK COAT AS REQUIRED BY THE
ENGINEER BETWEEN ALL
ASPHALT/AGGREGATE MATERIAL LIFTS.

1~1.5" ASPHALT CONCRETE-
TYPE C GRADATION.

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

1' SUBGRADE SOIL. R-VALUE>50.
PLACED IN 2-6" COMPACTED LIFTS.
95% MIN. COMPACTION, AT OPT.
MOISTURE, 2-2.0%, ASTM D5776,
OR OPT. MOISTURE, TO ASTM D698
FOR SOIL W/35% OR MORE MATERIAL
PASSING THE NO. 200 SIEVE.
SOIL-NOT HAVING THE MIN. R-VALUE OF
50, SHALL BE REMOVED TO A DEPTH OF
2 FEET AND REPLACED BY THE CONTRACTOR
WITH SUITABLE MATERIAL OR A PAVEMENT
SHALL BE DESIGNED ACCOMMODATING
THE EXISTING R-VALUE PER
C.O.A. STANDARD SPECIFICATIONS.

RESIDENTIAL PAVING SECTION A (MOUNTABLE CURB)

NTS

- 1~1.5" ASPHALT CONCRETE TYPICAL FINISH
COURSE PLACED AFTER ALL MANHOLES, VALVES,
COVERS/RINGS ARE SET TO GRADE.
TYPE C GRADATION.

TABLE C&G PER C.O.A.-
STD DWG #2415A

CONSTRUCTION JOINT -
90% MIN. COMPACTION.
2-6" LIFTS, SUBGRADE
95% MIN. COMPACTION
TO ASTM D1557

TACK COAT AS REQUIRED BY THE
ENGINEER BETWEEN ALL
ASPHALT/AGGREGATE MATERIAL LIFTS.

1~2" TYPE B ~~1000 LBS. STABILITY~~
epv 11/26/07

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED. —

1' SUBGRADE SOIL. R=VALUE>50.
PLACED IN 2-6" COMPACTED LIFTS.
95% MIN. COMPACTION, AT OP.
MOISTURE = 2.0%, ASTM D1557, OR
OPT. FOR LUSTURE TO 4-4% ASTM D698
FOR SOIL W/35% OR MORE MATERIAL
PASSING THE NO. 200 SIEVE.
SOIL NOT HAVING THE MIN. R-VALUE OF
50, SHALL BE REMOVED TO A DEPTH OF
2 FEET AND REPLACED BY THE CONTRACTOR
WITH SUITABLE MATERIAL OR A FILLMENT
SHALL BE DESIGNED ACCOMMODATING
THE EXISTING R-VALUE PER
C.O.A. STANDARD SPECIFICATIONS.

BARSTON AND EAGLE ROCK PAVING SECTION B (STANDARD CURB)

NTS-PER OCA PROJECT #7130.91

1~2" ASPHALT CONCRETE TYPICAL FINISH
COURSE PLACED AFTER ALL MANHOLES, VALVES
COVERS/RINGS ARE SET TO GRADE.
1800 LBS. STABILITY TYPE B
en. 11/26/07

STANDARD C&G PER C.O.A.
STD DWG #2415A

6"

6"

CONSTRUCTION JOINT

30% MIN. COMPACTION

COMPACTED TO 95% A.S.

30% MIN. COMPACTION.
2-6" LIFTS, SUBGRADE
95% MIN. COMPACTION
TO ASTM D1557

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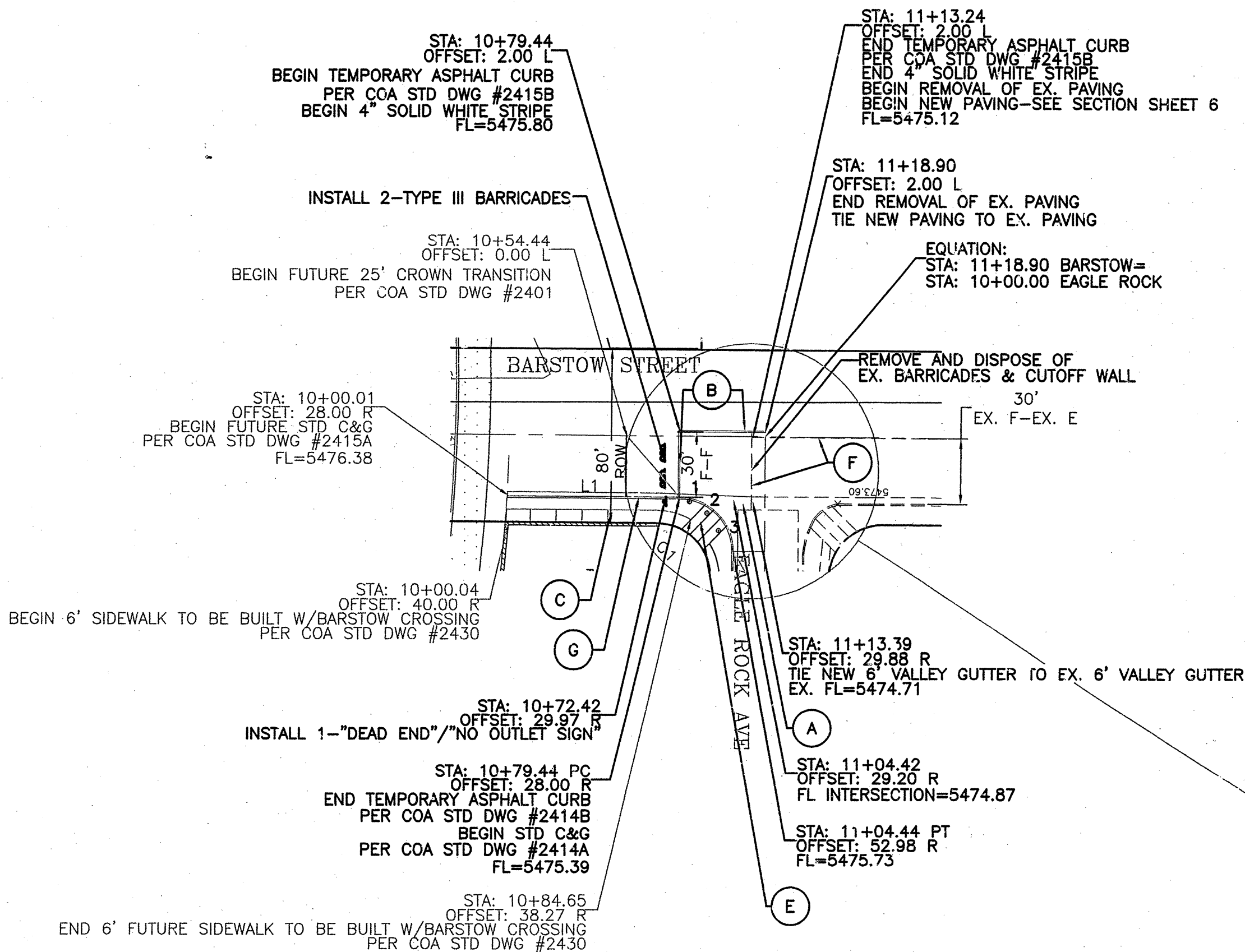
10+00 11+00 12+00 13+00 14+00

BARSTOW PAVING CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C1	39.25	25.00	89°57'23"	S45°23'27"W	35.34

BARSTOW PAVING LINE TABLE		
LINE	LENGTH	BEARING
L1	80.10	N00°24'45"E
L2	30.00	S89°36'31"E
L3	113.24	N00°24'45"E

QUARTER POINTS

FL	ELEV.
1	5475.11
2	5475.20
3	5475.36



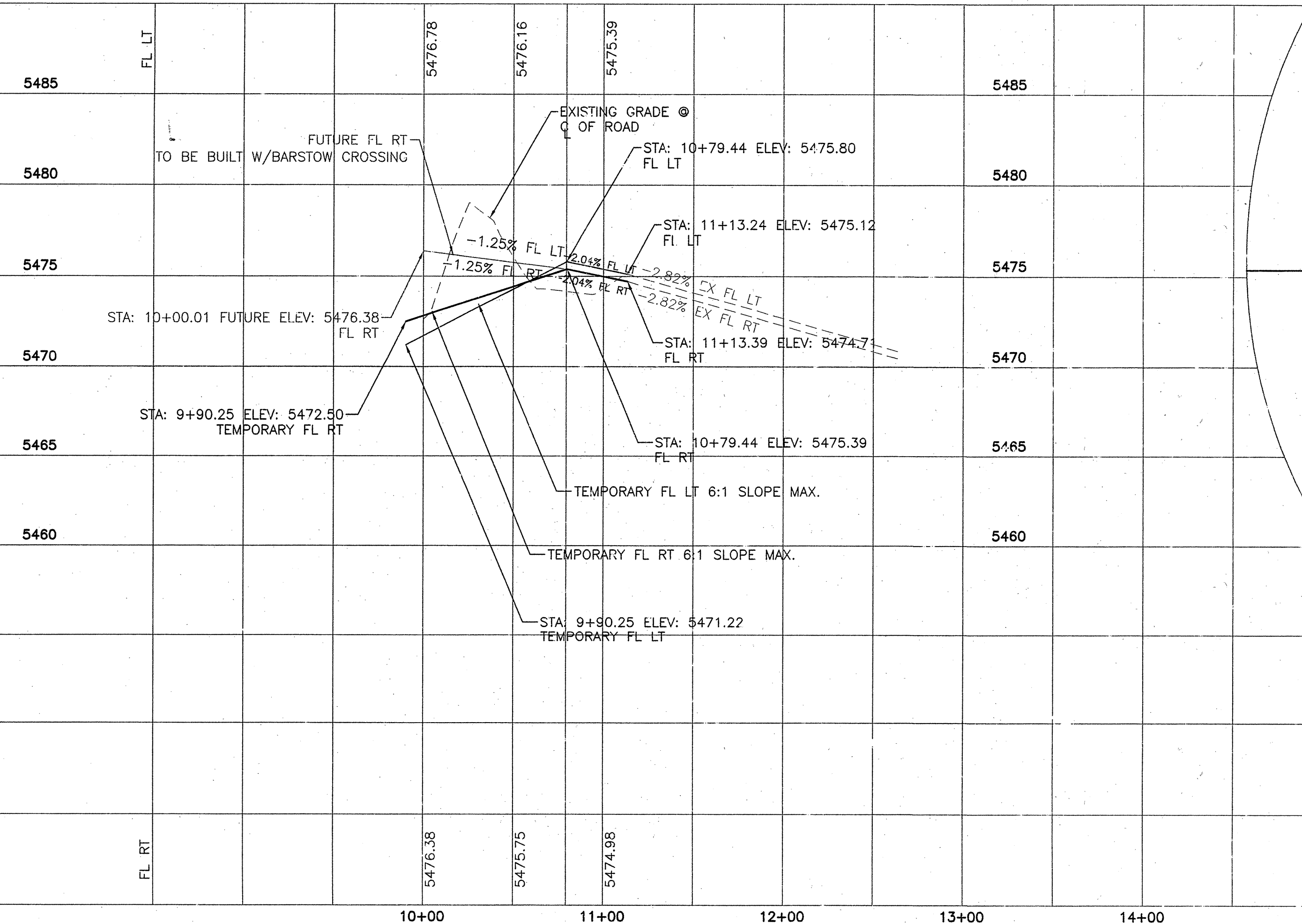
KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A.-STD DWG #2420
- (B) ASPHALT CURB PER COA STD DWG #2415B
- (C) 6' SIDEWALK TO BE BUILT WITH BARSTOW CROSSING PER COA STD DWG #2430
- (D) STANDARD C&G PER COA STD DWG #2415A
- (E) HANDICAP RAMP SEE DETAIL SHEET 6
- (F) EXISTING EDGE OF PAVING
- (G) FUTURE STANDARD C&G PER COA STD DWG #2415A TO BE BUILT W/BARSTOW CROSSING

NOTE:

- 1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
- 2. ALL CURB AND GUTTER ARE TO BE STANDARD UNLESS OTHERWISE NOTED.
- 3. TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



EXISTING PERMANENT EDGE
OF PAVEMENT

AMAFCA ROW

AMAFCA ROW

INTERSECTION FLOWUP
SCALE: 1"=20'



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **LA CUESTA OESTE SUBDIVISION
PAVING IMPROVEMENTS
BARSTOW STREET**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED NOV 26 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 26 2007 CITY ENGINEER		

CITY PROJECT NO. 714684 ZONE MAP NO. C-20-7 SHEET 6 OF 12

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

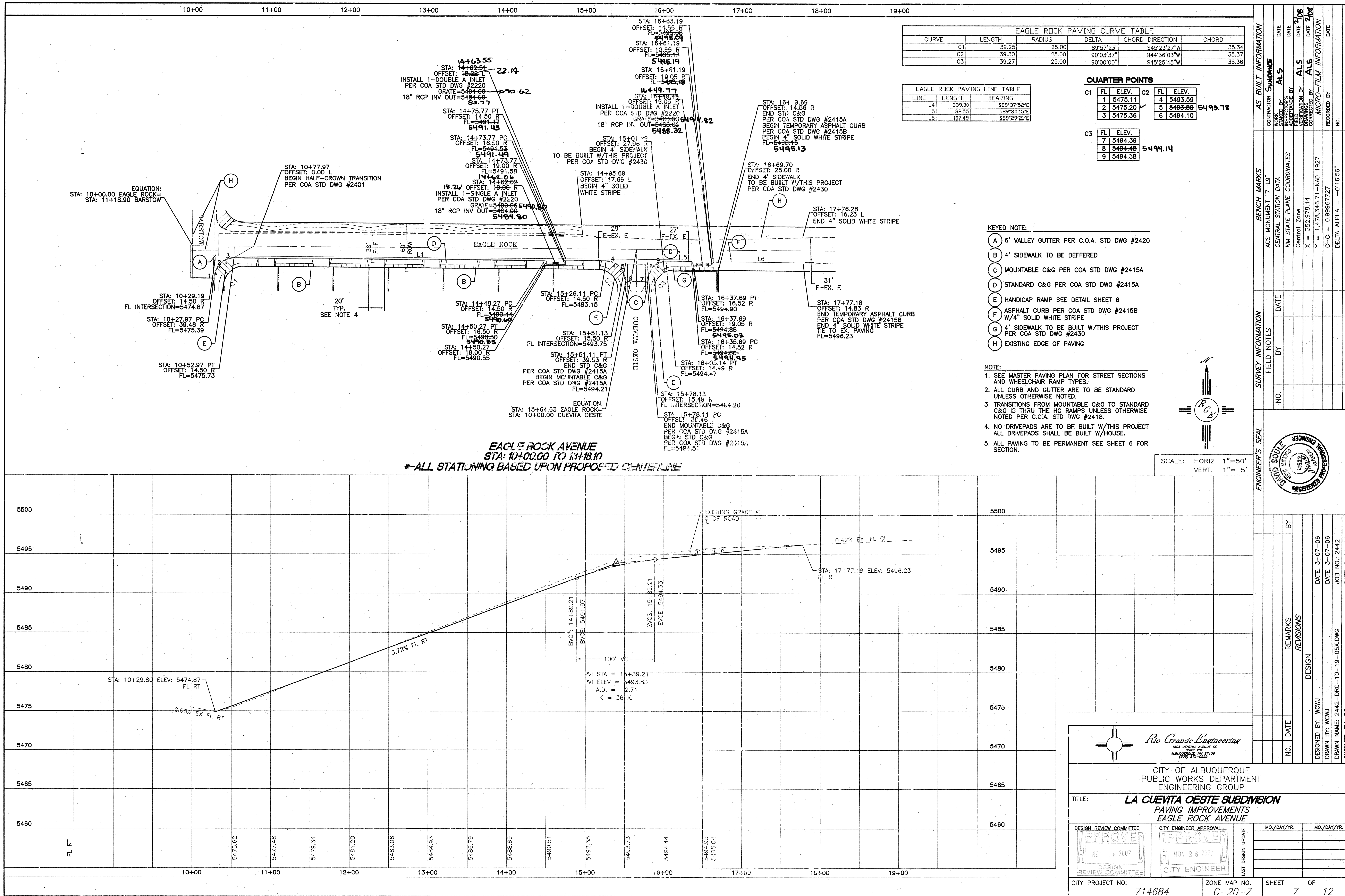
ENGINEER'S SEAL

REVISIONS

DESIGN

DATE

LAST DESIGN UPDATE



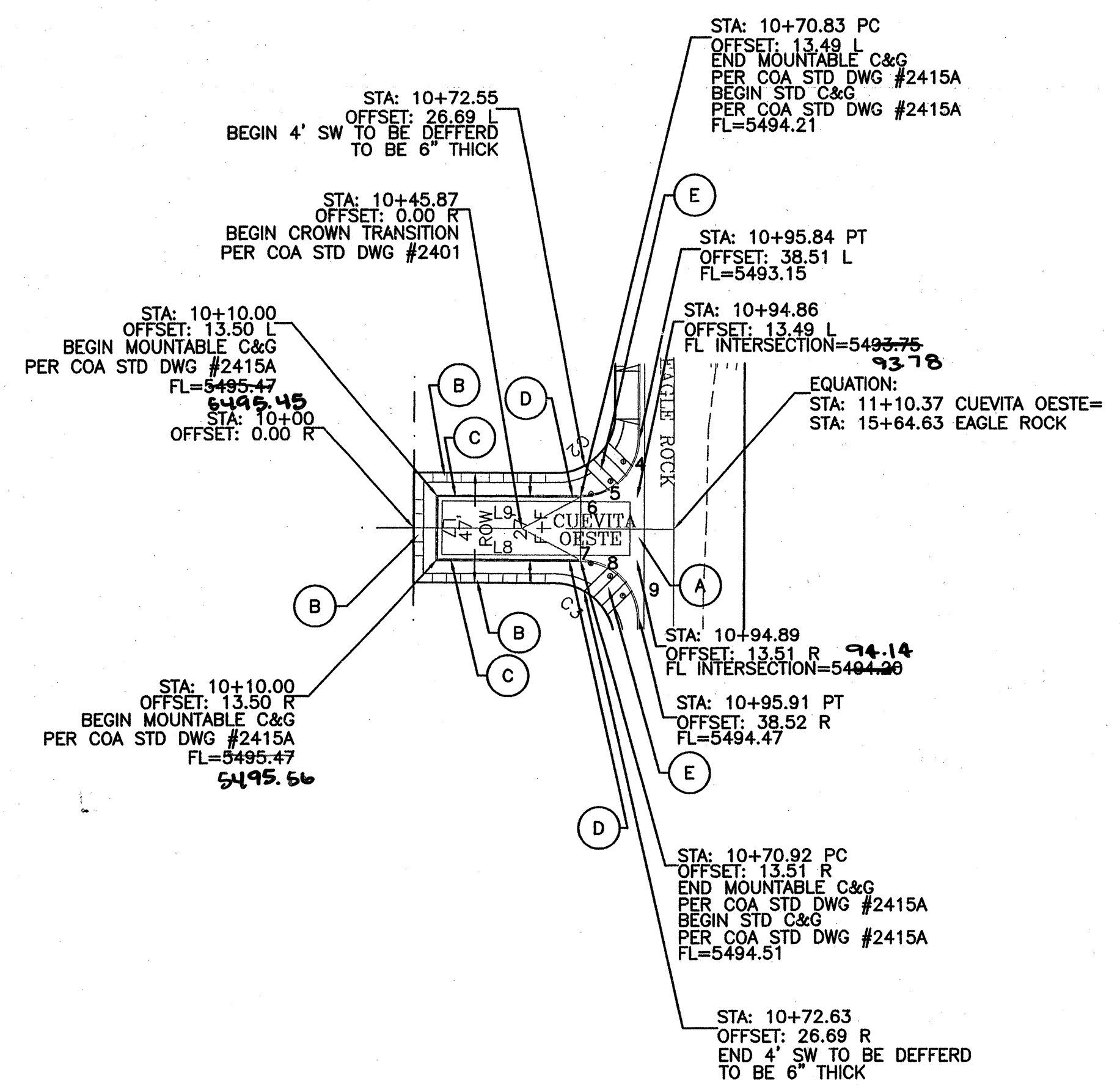
SCANNED BY
PLANNING

10+00 11+00 12+00 13+00 14+00

CUEVITA OESTE PAVING CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C2	39.30	25.00	90°03'37"	N44°36'03"W	35.37
C3	39.27	25.00	90°00'00"	S45°25'45"W	35.36

CUEVITA OESTE PAVING LINE TABLE					
LINE	LENGTH	BEARING			
L7	27.00	S89°34'58"E			
L8	60.92	N00°25'45"E			
L9	60.83	N00°25'45"E			

QUARTER POINTS					
C2	FL	ELEV.	C3	FL	ELEV.
4	5493.59	7	5494.50		
5	5493.86	8	5494.48		
6	5494.10	9	5494.38		

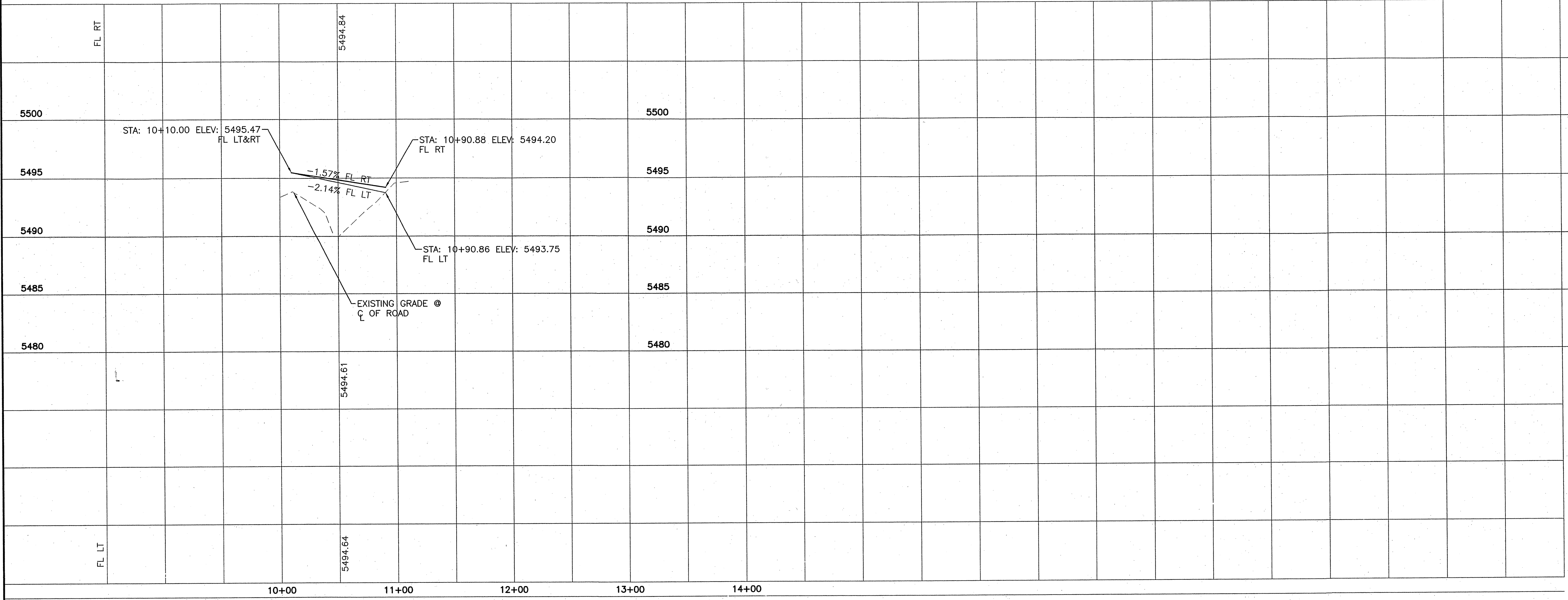


CUEVITA OESTE
STA: 10+00.00 TO 11+10.37
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**

- KEYED NOTE:
- A 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
 - B 4' SIDEWALK TO BE DEFERRED (SHALL 6" THICK)
 - C MOUNTABLE C&G PER COA STD DWG #2415A
 - D STANDARD C&G PER COA STD DWG #2415A
 - E HANDICAP RAMP SEE DETAIL SHEET 6

- NOTE:
- SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
 - ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
 - TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



Rio Grande Engineering
1806 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87108
(505) 872-0999

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: LA CUEVITA OESTE SUBDIVISION PAVING IMPROVEMENTS CUEVITA OESTE	
DESIGN REVIEW COMMITTEE APPROVE NOV 26 2007 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE NOV 28 2007 CITY ENGINEER
CITY PROJECT NO. 714684	ZONE MAP NO. C-20-Z
SHEET 8 OF 12	

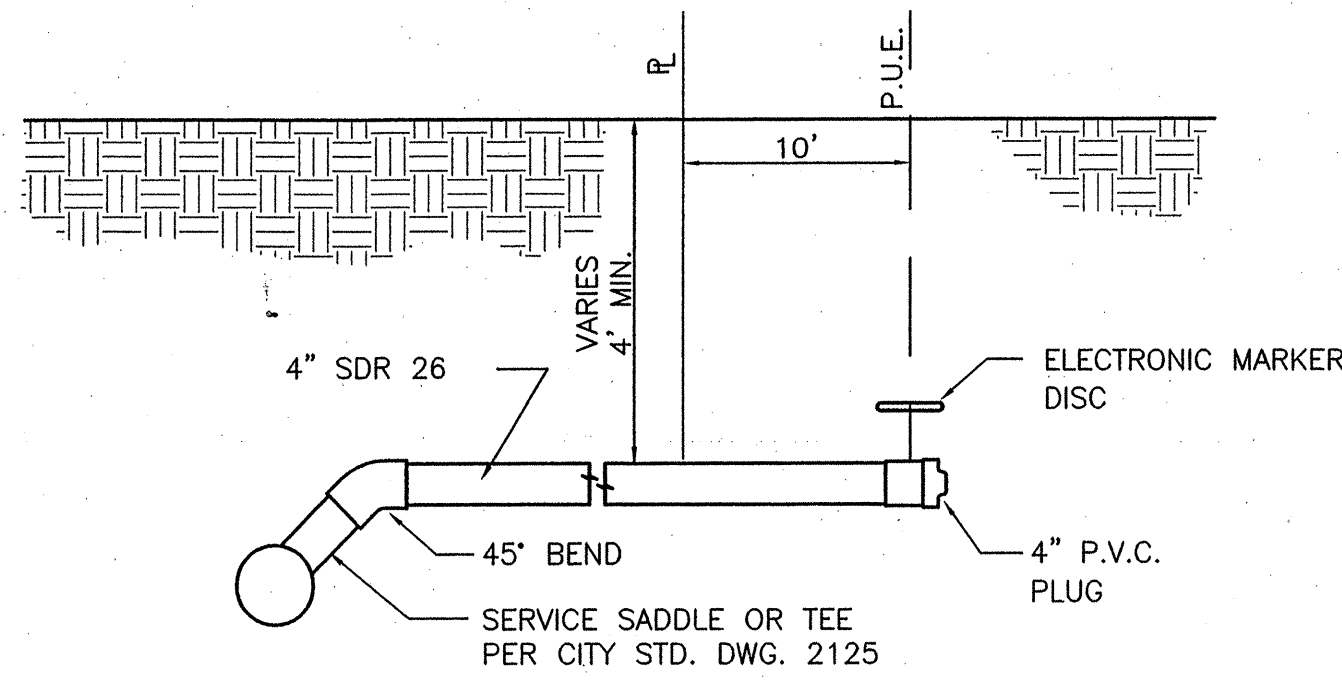
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WORK	DATE	DATE	DATE
STAKED BY	DATE	DATE	DATE
ACCEPTANCE BY	DATE	DATE	DATE
FIELD	DATE	DATE	DATE
CORRECTION BY	DATE	DATE	DATE
RECORDED BY	DATE	DATE	DATE
NO.	DATE	DATE	DATE

SURVEY INFORMATION			
ACS MONUMENT	DATE	DATE	DATE
CENTRAL STATION DATA	DATE	DATE	DATE
NW STATE PLANE COORDINATES	DATE	DATE	DATE
Central Zone	DATE	DATE	DATE
X = 352,978.14	DATE	DATE	DATE
Y = 1,478,346.71	DATE	DATE	DATE
G-G = 0.99967727	DATE	DATE	DATE
DELTA ALPHA = -0°16'56"	DATE	DATE	DATE
EL = 5175.735-NGVD 1929	DATE	DATE	DATE

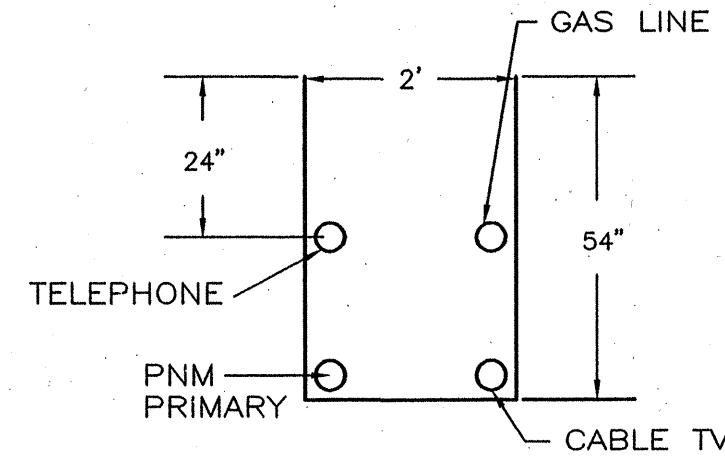
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CENTRAL STATION DATA	DATE	DATE	DATE
NW STATE PLANE COORDINATES	DATE	DATE	DATE
Central Zone	DATE	DATE	DATE
X = 352,978.14	DATE	DATE	DATE
Y = 1,478,346.71	DATE	DATE	DATE
G-G = 0.99967727	DATE	DATE	DATE
DELTA ALPHA = -0°16'56"	DATE	DATE	DATE
EL = 5175.735-NGVD 1929	DATE	DATE	DATE

ENGINEER'S SEAL			
NO.	DATE	DATE	DATE
BY	DATE	DATE	DATE
REMARKS	DATE	DATE	DATE
REVISIONS	DATE	DATE	DATE
DESIGN	DATE	DATE	DATE
DESIGNED BY: WCWJ	DATE: 3-07-06	DATE: 3-07-06	DATE: 3-08-06
DRAWN BY: WCWJ	DATE: 3-07-06	DATE: 3-07-06	DATE: 3-08-06
DRAWN NAME: 2442-DRG-10-19-05X.DWG	DATE: 3-07-06	DATE: 3-07-06	DATE: 3-08-06
CHECKED BY: DS	DATE: 3-07-06	DATE: 3-07-06	DATE: 3-08-06

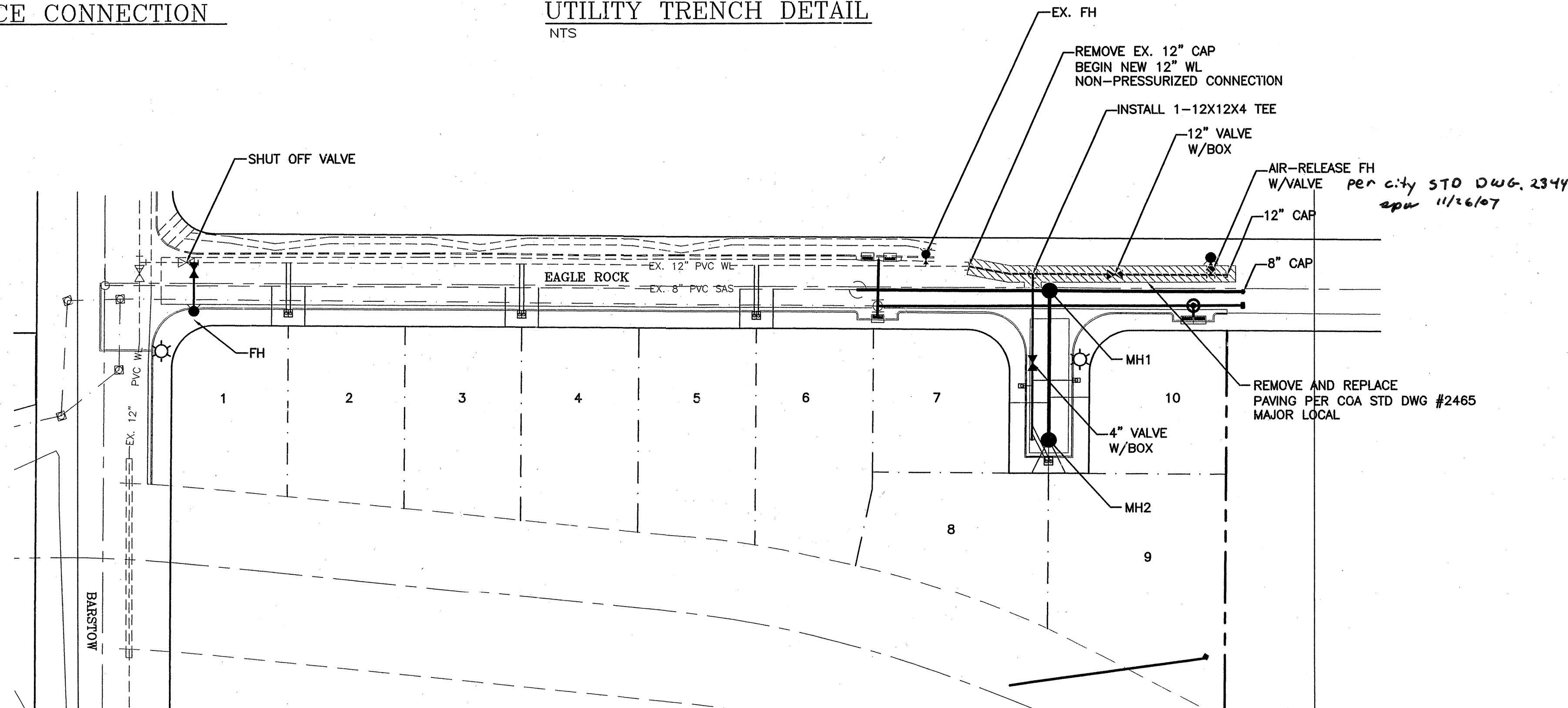
SCANNED BY
PLANNING



TYP. SANITARY SYSTEM
SERVICE CONNECTION
NTS



UTILITY TRENCH DETAIL
NTS



LEGEND

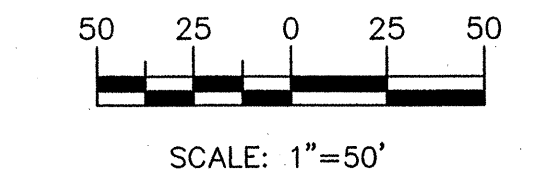
- EXISTING SAS MANHOLE
- EXISTING SANITARY SEWER LINE
- PROPOSED SAS MANHOLE
- DIRECTION OF FLOW
- PROPOSED SANITARY SEWER LINE
- SANITARY SEWER SERVICE LINE
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- PROPOSED METER
- PROPOSED VALVE W/BOX
- PROPOSED FIRE HYDRANT
- PROPOSED WATER LINE
- WATER SERVICE LINE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER INLET
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- STREET LIGHTS

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, INCLUDING UPDATES 1 THROUGH 7.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
- CONTRACTOR SHALL DETERMINE LOCATION OF ANY UNDERGROUND FACILITY IN OR NEAR WORK AREAS, INCLUDING REQUESTS TO OWNERS/OPERATORS OF SAID FACILITIES PER SECTION 62-14-5 NMSA 1978.
- CONTRACTOR SHALL PLAN ALL EXCAVATION TO MINIMIZE INTERFERENCE OR DAMAGE OF UNDERGROUND FACILITIES.
- CONTRACTOR SHALL PROVIDE ADVANCE TELEPHONE NOTICE OF COMMENCEMENT, EXTENT AND DURATION OF ALL EXCAVATION WORK TO THE ONE-CALL NOTIFICATION SYSTEM, OR TO OWNERS/OPERATORS OF ANY EXISTING UNDERGROUND FACILITY IN OR NEAR THE EXCAVATION AREA THAT ARE NOT MEMBERS OF THE ONE-CALL NOTIFICATION CENTER; IN ORDER THAT OWNERS/OPERATORS MAY LOCATE AND MARK UNDERGROUND FACILITY PER SECTION 62-14-5 NMSA 1978 PRIOR TO ANY COMMENCEMENT OF WORK. CONTRACTOR SHALL REQUEST REAFFIRMATION OF LOCATION EVERY TEN (10) WORKING DAYS AFTER INITIAL REQUEST.

- CONTRACTOR SHALL MAINTAIN EIGHTEEN (18) INCHES BETWEEN EXISTING UNDERGROUND FACILITIES THAT HAVE BEEN PREVIOUSLY IDENTIFIED AND MARKED BY THE OWNERS/OPERATORS OF SAID FACILITIES. CUTTING EDGE OR POINT OF ANY MECHANICAL EXCAVATING EQUIPMENT UTILIZED IN EXCAVATION AREA WILL BE USED IN A MANNER NECESSARY TO PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES.
- CONTRACTOR SHALL PROVIDE SUPPORT FOR EXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA AS NECESSARY TO PREVENT DAMAGE TO SAID FACILITIES.
- CONTRACTOR SHALL BACKFILL ALL EXCAVATIONS IN A MANNER AND WITH MATERIALS AS MAY BE NECESSARY TO PREVENT DAMAGE TO AND PROVIDE RELIABLE SUPPORT DURING AND FOLLOWING BACK FILLING ACTIVITIES FOR PREEXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA.
- CONTRACTOR SHALL IMMEDIATELY NOTIFY BY TELEPHONE THE OWNER/OPERATOR OF ANY UNDERGROUND FACILITY WHICH MAY HAVE BEEN DAMAGED OR DISLODGED DURING EXCAVATION WORK.
- CONTRACTOR SHALL NOT MOVE OR OBLITERATE MARKINGS MADE PURSUANT TO CHAPTER 62, ARTICLE 14 NMSA 1978, OR FABRICATE MARKINGS IN A UNMARKED LOCATION FOR THE PURPOSE OF CONCEALING OR AVOIDING LIABILITY FOR VIOLATION OF OR NONCOMPLIANCE WITH THE PROVISIONS OF CHAPTER 62, ARTICLE 11 NMSA 1978.
- EMD'S SHALL BE INSTALLED ON WATER LINE AND SANITARY SEWER LINE FACILITIES PER SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 1986 EDITION AS REVISED THROUGH UPDATE #7.
- THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES, REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.6450 SUBPART P.

GRAPHIC SCALE



WATER SHUTOFF NOTES:

- ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
- NOTIFY ABCWUA SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
- APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
- SHUTOFF THE VALVE A ON THIS SHEET

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
DATE	DATE	ACS MONUMENT "7-L9"	CENTRAL STATION DATA	NO.	BY		REMARKS
DATE	DATE	DATE	DATE	DATE	DATE		REVISIONS
DATE	DATE	DATE	DATE	DATE	DATE	DESIGNED BY: WCUJ	DESIGN
DATE	DATE	DATE	DATE	DATE	DATE	DRAWN BY: WCUJ	DATE: 3-14-06
DATE	DATE	DATE	DATE	DATE	DATE	JOB NO.: 2442	DATE: 3-14-06
DATE	DATE	DATE	DATE	DATE	DATE	CHECKED BY: DS	DATE: 3-15-06

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: LA CUEVITA OESTE SUBDIVISION MASTER UTILITY PLAN	
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL
CITY PROJECT NO. 714684	ZONE MAP NO. C-20-Z
SHEET 9	OF 12

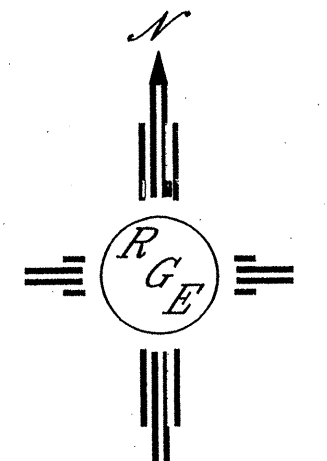
WL TABLE

* (C) END OF 8" MAIN LINE
SAS TABLE

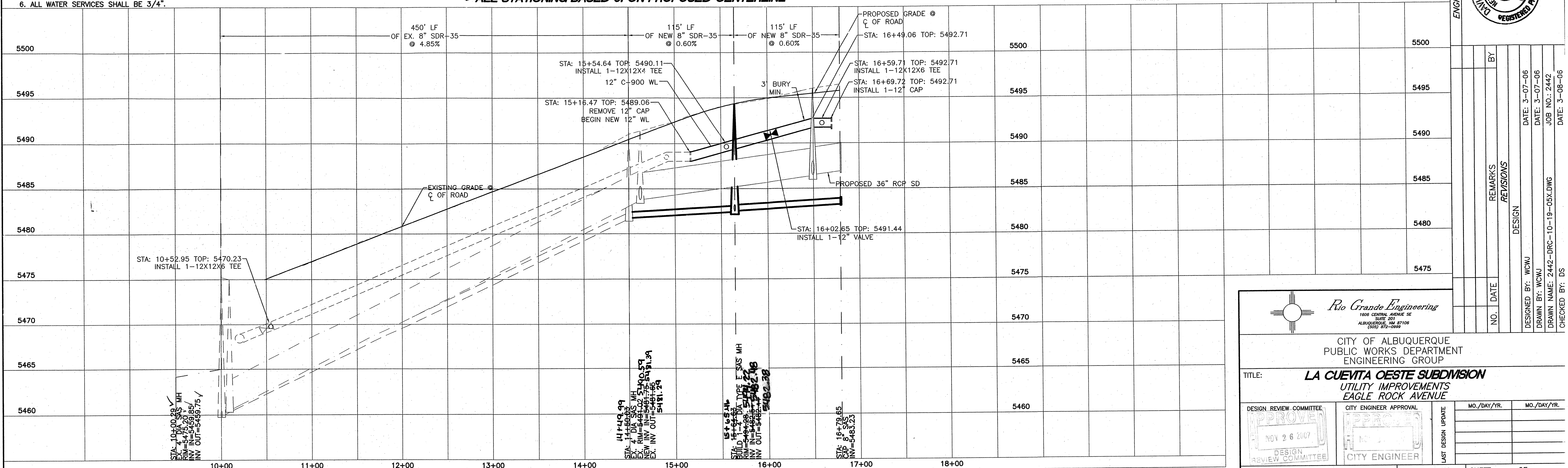
EAGLE ROCK UT LINE TABLE

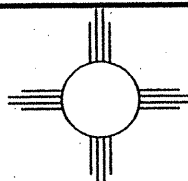
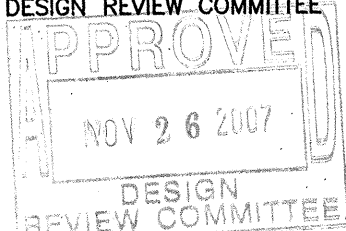
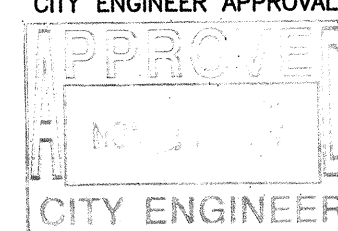
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF UTILITIES.
4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368
6. ALL WATER SERVICES SHALL BE 3/4".

CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87105 (505) 372-0982		NO.	DATE	DESIGNED BY _____ DRAWN BY _____ DRAWN NAME _____ CHECKED BY _____
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: <i>LA CUEVITA OESTE SUBDIVISION</i> <i>UTILITY IMPROVEMENTS</i> <i>EAGLE ROCK AVENUE</i>					
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL 	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.	
CITY PROJECT NO. 714684		ZONE MAP NO. C-20-Z	SHEET 10	OF 12	

10+00 11+00 12+00

WL TABLE

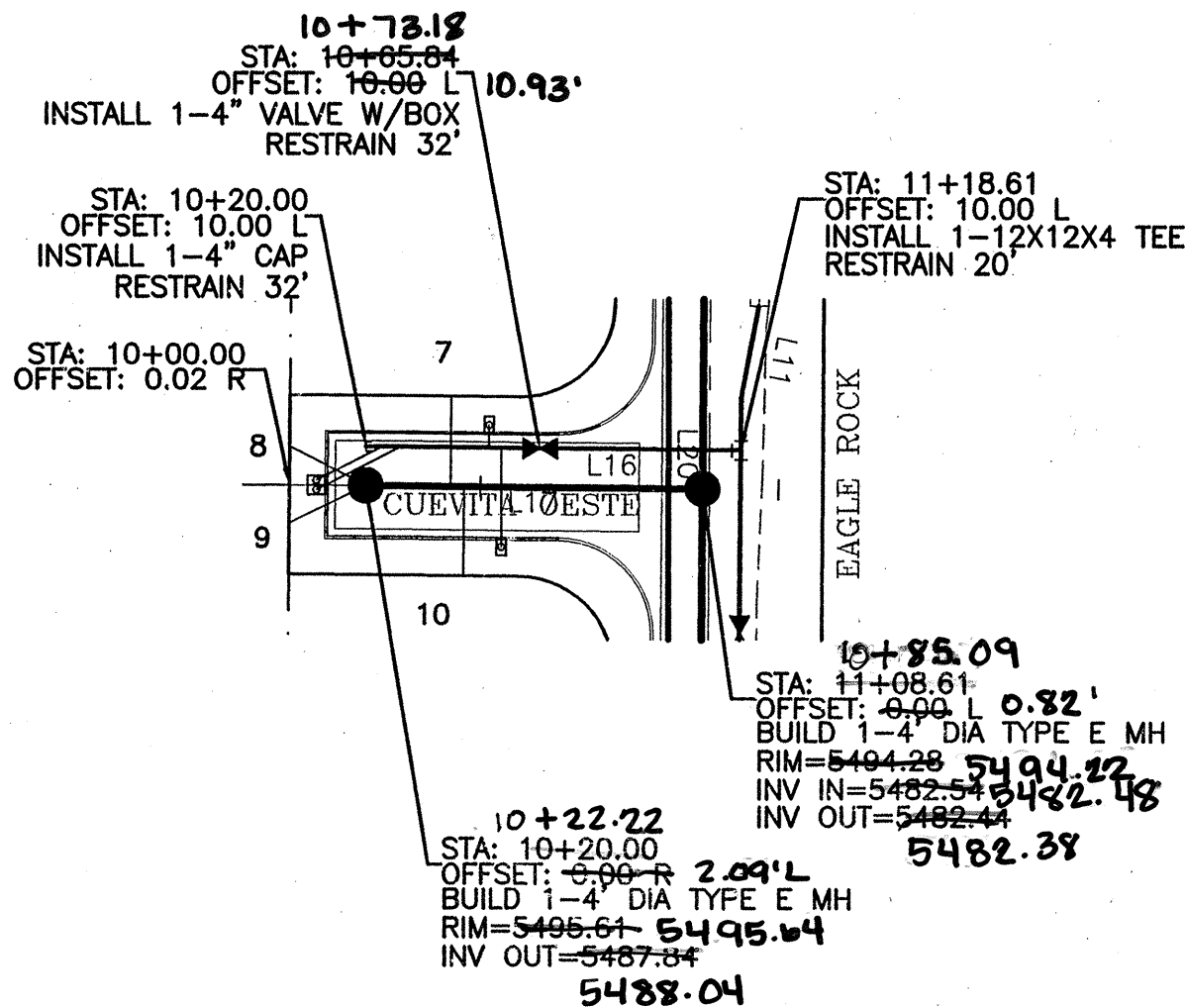
LOT #	STATION	SERVICE
7	10+52.24	SINGLE
8&9	10+26.57	DOUBLE
10	10+55.47	SINGLE

* END OF 8" MAIN LINE
SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. @ PL
7	10+42.24	24	5486.51	5491.43
+8	10+20.00	23	5488.17	5492.00
+9	10+20.00	29	5488.17	5492.00
10	10+45.70	23	5486.30	5491.43

+LOTS 8 AND 9 SHALL BE INSTALLED IN MH
PER COA STD DWG #2118

LINE	LENGTH	BEARING
L16	98.61	N00°25'02"E
L17	88.61	N00°25'02"E

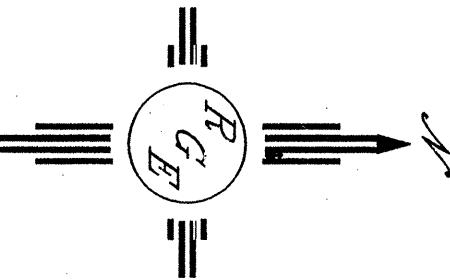


NOTES:

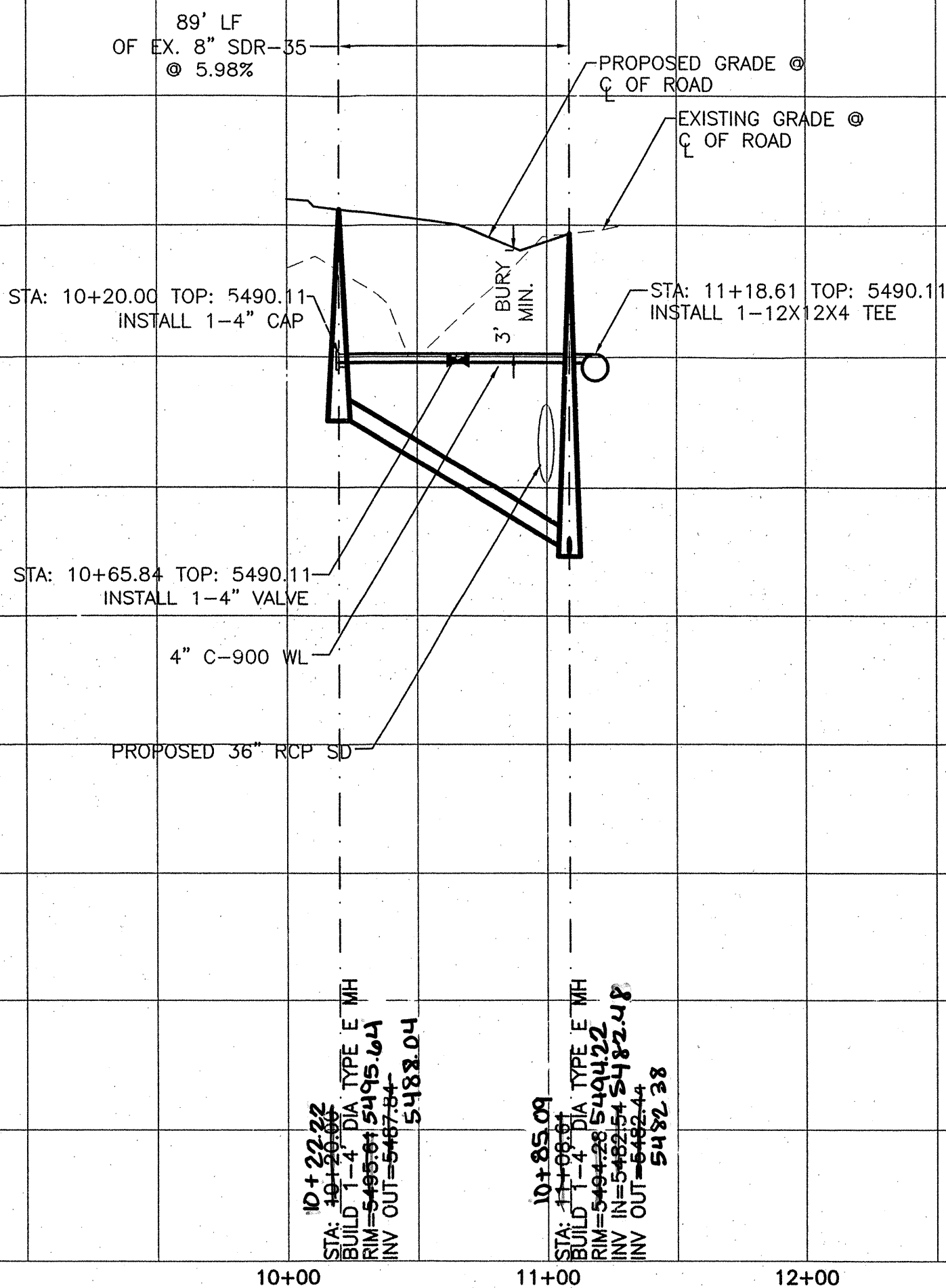
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
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5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368
6. ALL WATER SERVICES SHALL BE 3/4".

CUEVITA OESTE DRIVE
STA: 10+00.00 TO 11+28.61
*ALL STATIONING BASED UPON PROPOSED CENTERLINE

CAUTION:
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NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SUNDANCE	ACS MONUMENT	"7-19"	FIELD NOTES	NO.	NO.	DATE
WORK	DATE	CENTRAL STATION DATA	DATE	BY	DATE	REMARKS	BY
INSPECTOR'S	DATE	NM STATE PLANE COORDINATES	DATE			DESIGN	
ACCEPTANCE BY	DATE	Central Zone	DATE			REVISIONS	
VERIFICATION BY	DATE	X = 352,978.14	DATE				
DRAWINGS	DATE	Y = 1,478,346.71	DATE				
CORRECTED BY	DATE	G-G = 0.99967727	DATE				
MICRO-FILM INFORMATION	DATE	DELTA ALPHA = -0°16'56"	DATE				
	DATE	EL. = 5175.735-NGVD 1929	DATE				
	DATE		DATE				

DESIGNED BY: WCWJ
DRAWN BY: WCWJ
DATE: 3-07-06
JOB NO.: 2442

CHECKED BY: DS
DATE: 3-08-06

NO. DATE

REVISIONS

DESIGN

APPROVE
NOV 26 2007
DESIGN REVIEW COMMITTEE

APPROVE
NOV 28 2007
CITY ENGINEER

LAST DESIGN UPDATE

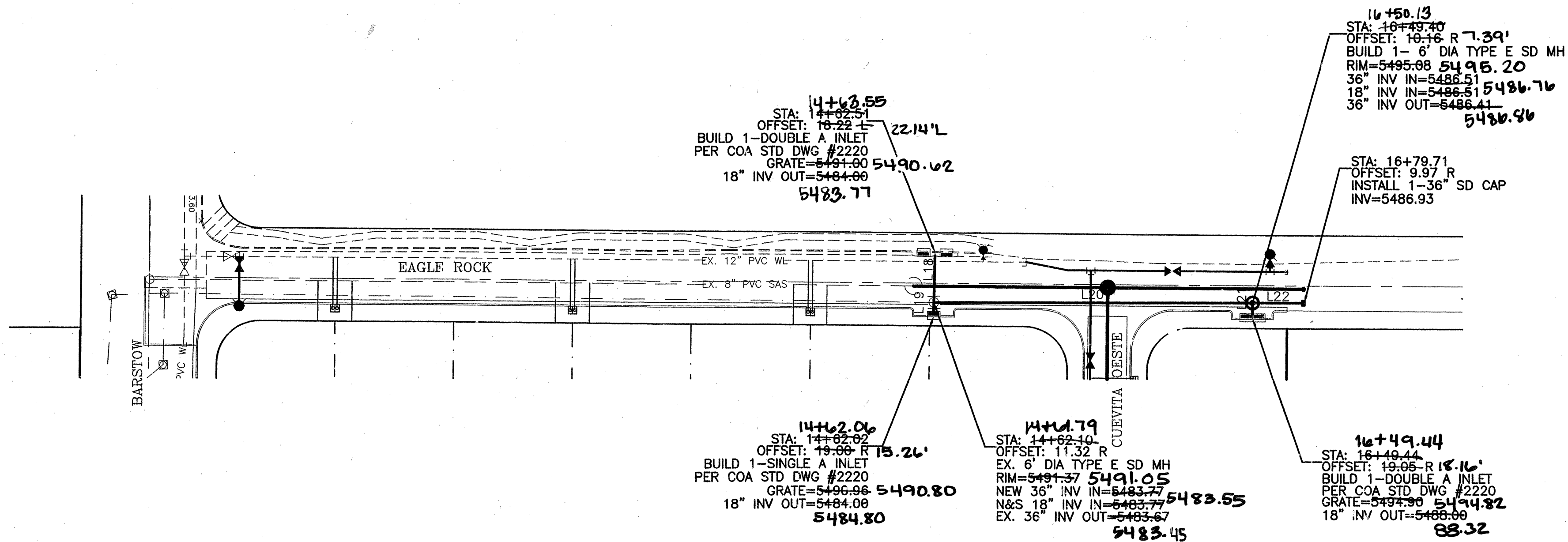
CITY PROJECT NO. 714684

ZONE MAP NO. C-20-Z

SHEET 11 OF 12

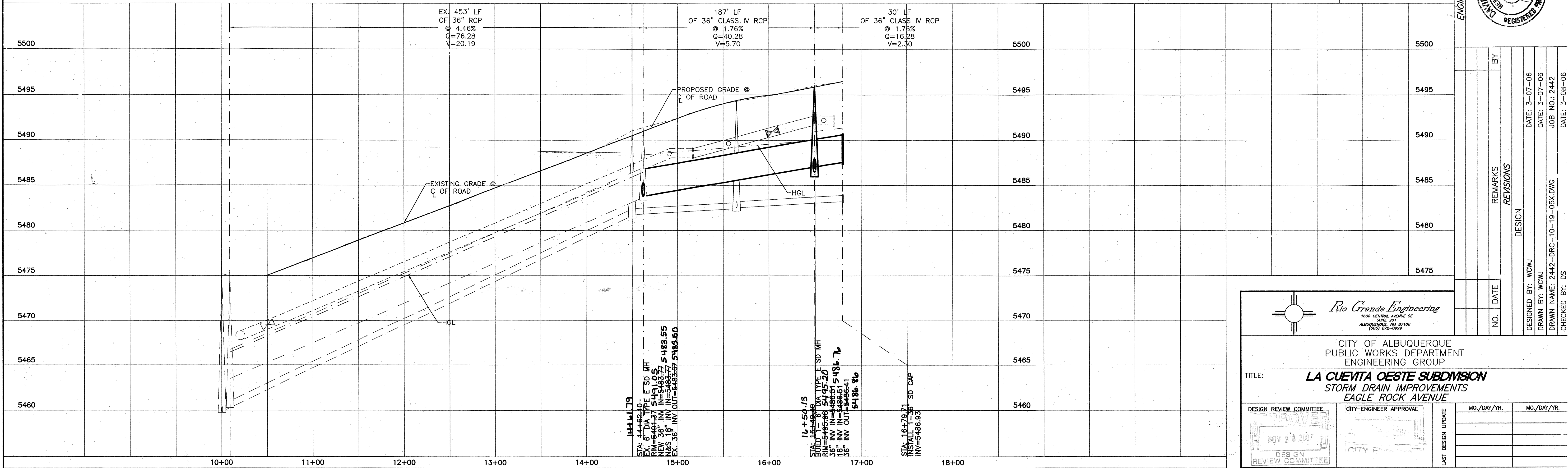
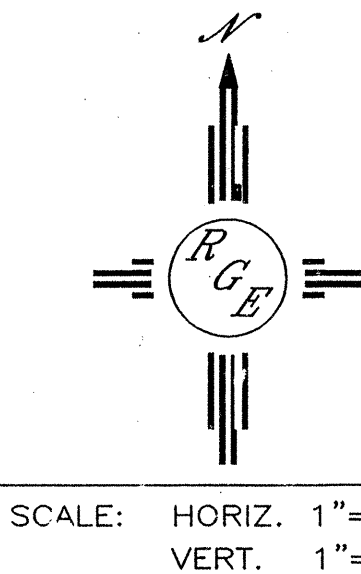
10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00

EAGLE ROCK SD LINE TABLE		
LINE	LENGTH	BEARING
L18	29.54	N01°16'19"E
L19	5.18	S00°36'17"W
L20	187.30	S89°59'08"E
L21	6.21	S00°00'52"W
L22	30.31	S89°59'30"E



EAGLE ROCK AVENUE
STA: 10+00.00 TO 18+18.10
*ALL STATIONING BASED UPON PROPOSED CENTERLINE

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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK	ACS MONUMENT	CENTRAL STATION DATA	NO.	BY	DATE	REMARKS
SUNDANCE	ALS	"7-L9"	NM STATE PLANE COORDINATES				
DATE	DATE		Central Zone				
DATE	DATE		X = 352,978.14				
DATE	DATE		Y = 1,478,346.71				
DATE	DATE		G-C = 0.99867727				
DATE	DATE		DELTA ALPHA = -0°16'56"				
DATE	DATE		EL = 5175.735				

DESIGNED BY: WCUJ	DATE: 3-07-06
DRAWN BY: WCUJ	DATE: 3-07-06
DRAWN NAME: 2442-DRC-10-19-05X.DWG	JOB NO: 2442
CHECKED BY: DS	DATE: 3-08-06

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 28 2007			
DESIGN REVIEW COMMITTEE			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
-	C-20-Z	12	12