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SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR

CIELO ESTATES

UTILITY & PAVING IMPROVEMENTS

BERNALILLO COUNTY & ABCWUA
NEW MEXICO
APRIL 2007

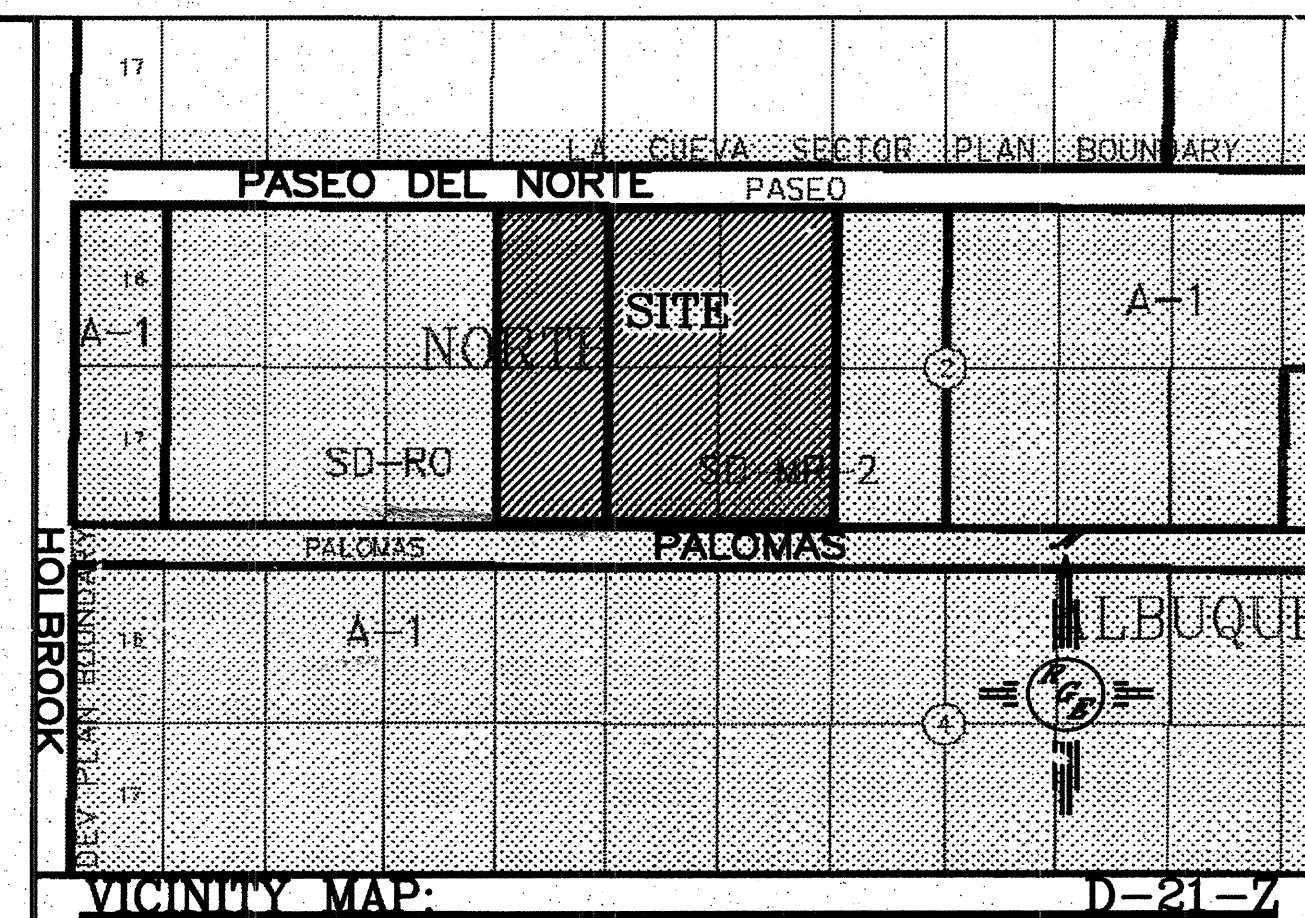
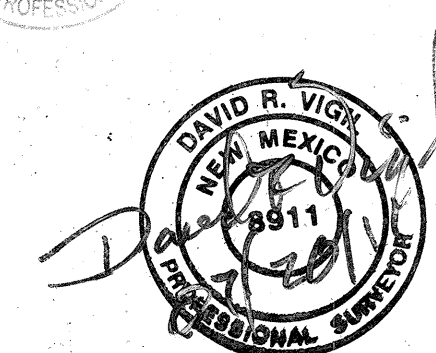
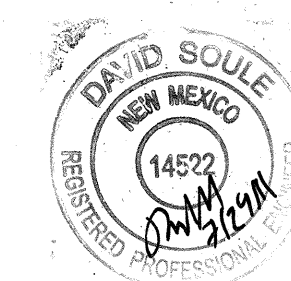
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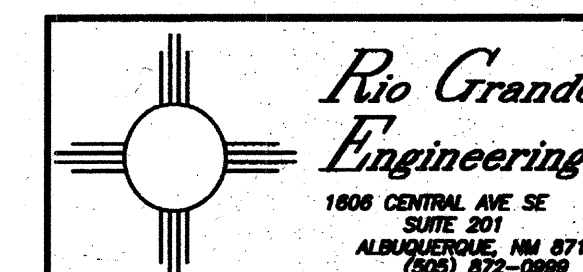
1. *-DENOTES WORK PERFORMED UNDER BERNALILLO COUNTY JURISDICTION
2. ALL UTILITY WORK PERFORMED UNDER ABCWUA JURISDICTION

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, COUNTY AND ABCWUA 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 DAVID VIGIL NMPS 8911.



- #### NOTICE TO CONTRACTORS
1. ALL UTILITY WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION (UPDATE #7) (INCLUDING AMENDMENT #1).
 2. ALL ROAD IMPROVEMENTS AND RELATED WORK DETAILED ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION EXCEPT AS OTHERWISE STATED OR PROVIDED BY THE DESIGN ENGINEER.
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
 4. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
 5. 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 6. 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 CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE BERNALILLO COUNTY PUBLIC WORKS. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (848-1500) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
 7. 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE CONTRACTORS EXPENSE.
 8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
 9. DEVELOPER SHALL PROVIDE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPPING FOR PRIVATE STREETS.
 10. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIAL.
 11. CONTRACTOR SHALL PLACE ALL PERMANENT PAVING STRIPING AND MARKINGS (INCLUDING EXCHANGES) AND OPEN TO THE TRAFFIC UNTIL IT IS STRIPPED. ALL STRIPING, PAVEMENT MARKINGS, INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MUTCD.
 12. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA, COUNTY & ABCWUA.
 14. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS THE EXISTING PAVEMENT SHALL BE SAW CUT PER COA STD DWG 2465 TO A STRAIGHT LINE AT RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO PAVING THEREFORE, NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING. THE CONTRACTOR SHALL CONTACT COA PUBLIC WORKS DIVISION TO REQUEST AN INSPECTOR TO VERIFY PAVEMENT THICKNESS.
- 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.

Mark Bennett for RAP 30 Dec 10
BERNALILLO COUNTY PUBLIC WORKS DIVISION
PWCO-70019
DATE:

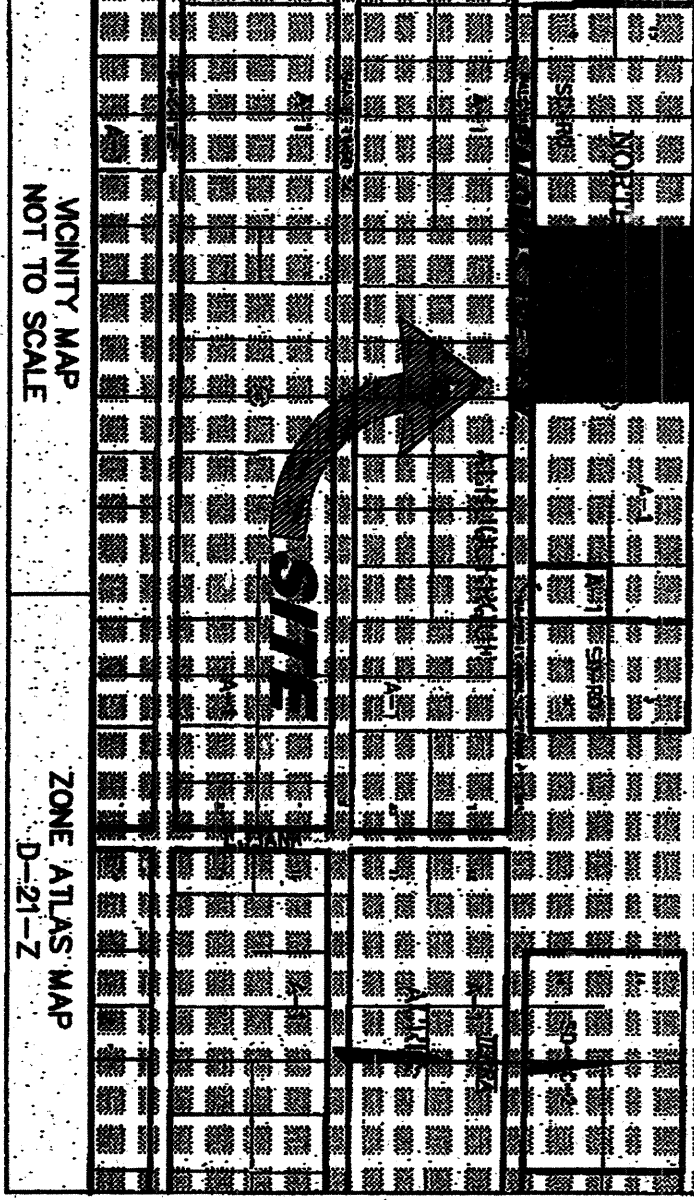


REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRG Chairman		<i>[Signature]</i>		2/1/11	
		Transportation		<i>[Signature]</i>		2/20/11	
		Water/Wastewater		<i>[Signature]</i>		1-25-11	
		Hydrology		<i>[Signature]</i>		1/20/11	
		Bernalillo County		<i>[Signature]</i>			
MRGCD							
Constr. Mngmt.							
Constr. Coord.							
CITY PROJECT NO.				729182		SHEET 1 OF 20	

Record Drawing

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY OF ALBUQUERQUE
[Signature]
DATE: 02/21/11

[Signature] 2-15-11
City Engineer Date



PURPOSE OF PLAT.
THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE EXISTING LOTS INTO 26 SEPARATE LOTS, 1 TRACT AND GRANT NEW EASEMENTS AS SHOWN HEREON.

SUBDIVISION DATA.
COUNTY CASE NO. SC-70002
GROSS SUBDIVISION ACRES 5.3082 ACRES
CURRENT ZONING: SO-MR-2
ALSO LOT NO. 2008032685
TOTAL NO. OF LOTS CREATED 26
TOTAL MILEAGE OF PUBLIC STREETS CREATED 0.17 MILES
PUBLIC STREETS CREATED 0.17 MILES

NOTES.
1. ALBUQUERQUE CONTROL STATIONS USED:
ALBUQUERQUE CONTROL STATION "4-C21" DATA:
STANDARD NAD83 BRASS CAP (FOUND IN PLACE)
NEW MEXICO STATE PLANE NAD 1983 GRID COORDINATES (CENTRAL ZONE)
X=1558519.443 Y=1520129.889
GROUND TO GRID FACTOR = 0.999635861
DELTA ALPHA = (-)000928.42"
ALBUQUERQUE CONTROL STATION "7-D21" DATA:
STANDARD NAD83 BRASS CAP (FOUND IN PLACE)
NEW MEXICO STATE PLANE NAD 1983 GRID COORDINATES (CENTRAL ZONE)
X=1558382.127 Y=1516420.873
GROUND TO GRID FACTOR = 0.999635751
DELTA ALPHA = (-)000929.16"
ALBUQUERQUE CONTROL STATION "9-D21" DATA:
ALUMINUM DISC (FOUND IN PLACE)
ELEVATION (US FOOT, NAD 29 DATUM): 5695.183
ELEVATION (US FOOT, NAD 88 DATUM): 5697.83
FIELD SURVEY PERFORMED IN DECEMBER 2007
2. BASIS OF BEARING - NAD 83 STATE PLANE, NM, CENTRAL ZONE GRID BEARINGS USING FOUND MONUMENTS REFERENCED ABOVE IN NOTE NO. 4. (NAD2011ZD)
3. ALL DISTANCES SHOWN ARE GROUND DISTANCES.
4. CORNERS IDENTIFIED AS "SET", ARE 5/8" REBAR WITH CAP STAMPED "PS 15702", AND DEPICTED AS "O". UNLESS OTHERWISE INDICATED.
5. BEARINGS AND DISTANCES SHOWN IN PARENTHESES () ARE PER RECORDED PLAT REFERENCED IN DOCUMENTS USED.
6. SUBJECT TRACTS ARE LOCATED WITHIN ZONE 1 (OTHER AREAS) AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO THE FLOOD INSURANCE RATE MAP BERNALILLO COUNTY, NEW MEXICO PANEL 142 OF 825, MAP NO. 3500109142F, EFFECTIVE DATE NOVEMBER 19, 2003.
7. TRACT A SHALL BE OWNED AND MAINTAINED BY THE CIELO ESTATES HOMEOWNERS ASSOCIATION.
8. THE PRIVATE ACCESS EASEMENTS SHOWN HEREON ARE GRANTED TO THE CIELO ESTATES HOME OWNERS ASSOCIATION FOR THEIR BENEFIT, USE, AND ENJOYMENT. MAINTENANCE OF ACCESS EASEMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE HOME OWNERS ASSOCIATION.
9. CENTURINE MONUMENTS (IN LIEU OF R/W MONUMENTATION) TO BE INSTALLED AT ALL P.C.'S, P.T.'S, ANGLE POINTS, AND STREET INTERSECTIONS AS SHOWN HEREON AND WILL CONSIST OF 3 1/4" ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE CENTURINE MONUMENT, PLEASE DO NOT DISTURB, PLS 15702".

LEGAL DESCRIPTION.
LOTS NUMBERED NINE (9), TEN (10), ELEVEN (11), TWENTY-TWO (22), TWENTY-THREE (23) AND TWENTY-FOUR (24) OF BLOCK TWO (2), TRACT THREE (3), UNIT TWO (2), NORTH ALBUQUERQUE ACRES, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED JUNE 8, 1931 IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO IN PLAT BOOK D, FOLIO 133.

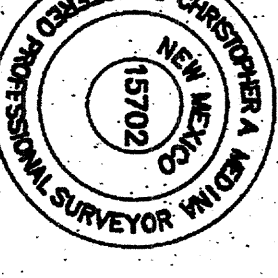
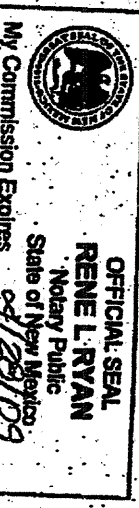
PUBLIC UTILITY EASEMENT NOTE.
PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:
1. PNM ELECTRIC SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRIC LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, TOWERS, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. COWI CORPORATION FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
4. COMCAST CABLE FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF SUCH LINES, CABLES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, RECONSTRUCT, RELOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO RUM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSAPRACE), HOT TUB, CHIMNEY, OR ROAD POOL DECK, OR OTHER STRUCTURE SHALL BE CONSTRUCTED OR MAINTAINED ON THE EASEMENT AREA. THE EASEMENT SHALL BE OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING OR ANY STRUCTURES ADJACENT TO, WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

EASEMENTS FOR ELECTRIC TRANSFORMERS/SWITCHGEARS, AS INSTALLED, SHALL EXTEND TEN FEET (10') IN FRONT OF TRANSFORMER/SWITCHGEAR DOOR AND FIVE FEET (5') ON EACH SIDE.
IN APPROVING THIS PLAT, PNM ELECTRIC SERVICES AND PNM GAS SERVICES, DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES HEREON. CONSEQUENTLY, PNM DOES NOT WAIVE OR RELEASE ANY EASEMENT OR EASEMENT RIGHT TO WHICH IT MAY BE ENTITLED.

FREE CONSENT AND DEDICATION.
THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THAT CERTAIN TRACT OF LAND HEREIN DESCRIBED AND BEING COMPRISED OF LOTS 8, 10, 12, 22, 23, AND 24 OF BLOCK 2, TRACT 3, UNIT TWO (2), NORTH ALBUQUERQUE ACRES, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED JUNE 8, 1931 IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO IN PLAT BOOK D, FOLIO 133, AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) AND SAID OWNER(S) AND/OR PROPRIETOR(S) WARRANT THAT THEY HOLD AMONG THEM COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE PARCELS(S) HEREIN DESCRIBED AND DO HEREBY GRANT EASEMENTS AS SHOWN HEREON, SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY REPRESENT THAT THEY ARE SO AUTHORIZED TO ACT.

BY: Scott Korman/Owner/Managing Member
CIELO ESTATES LLC
ACKNOWLEDGMENT
STATE OF New Mexico)
COUNTY OF Bernalillo) SS.
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THIS 28th DAY OF July, 2008, BY Scott Korman Asst. Clerk
NOTARY PUBLIC: Robert J. Medina
MY COMMISSION EXPIRES: April 28, 2009
DOCUMENTS USED:
1. PLAT ENTITLED "TRACT 3, UNIT 2, NORTH ALBUQUERQUE ACRES" FILED JUNE 8, 1931, IN VOLUME D, FOLIO 133, WITH THE BERNALILLO COUNTY CLERK'S OFFICE.
2. PASO DEL NORTE RIGHT-OF-WAY MAPS PROJECT NO. TP04054(2).



TERRA LAND SURVEYS, LLC
P.O. BOX 2532 • CORRALES, NM 87046 • (505) 793-6415
SHEET 1 OF 4
TERRA PROJECT NO. X7195

PRELIMINARY PLAT OF CIELO ESTATES SITUATE WITHIN PROJECTED SECTION 24, T. 11 N., R. 4 E., N.M.P.M. ELENA GALLEGOS GRANT BERNALILLO COUNTY, NEW MEXICO JULY 2008

C.D.R.A. CASE NUMBER: SC-70002
C.D.R.A. APPROVALS

BERNALILLO COUNTY DEVELOPMENT REVIEW AUTHORITY, CHAIR	DATE
BERNALILLO COUNTY ZONING	DATE
BERNALILLO COUNTY FIRE MARSHAL'S OFFICE	DATE
BERNALILLO COUNTY ENVIRONMENTAL HEALTH	DATE
BERNALILLO COUNTY PUBLIC WORKS	DATE

CITY OF ALBUQUERQUE SURVEYOR	DATE
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	DATE
A.A.A.F.C.A.	DATE
N/A	DATE
M.G.C.D.	DATE

UTILITY APPROVALS	DATE
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICE	DATE
QWEST TELECOMMUNICATIONS	DATE
COMCAST	DATE

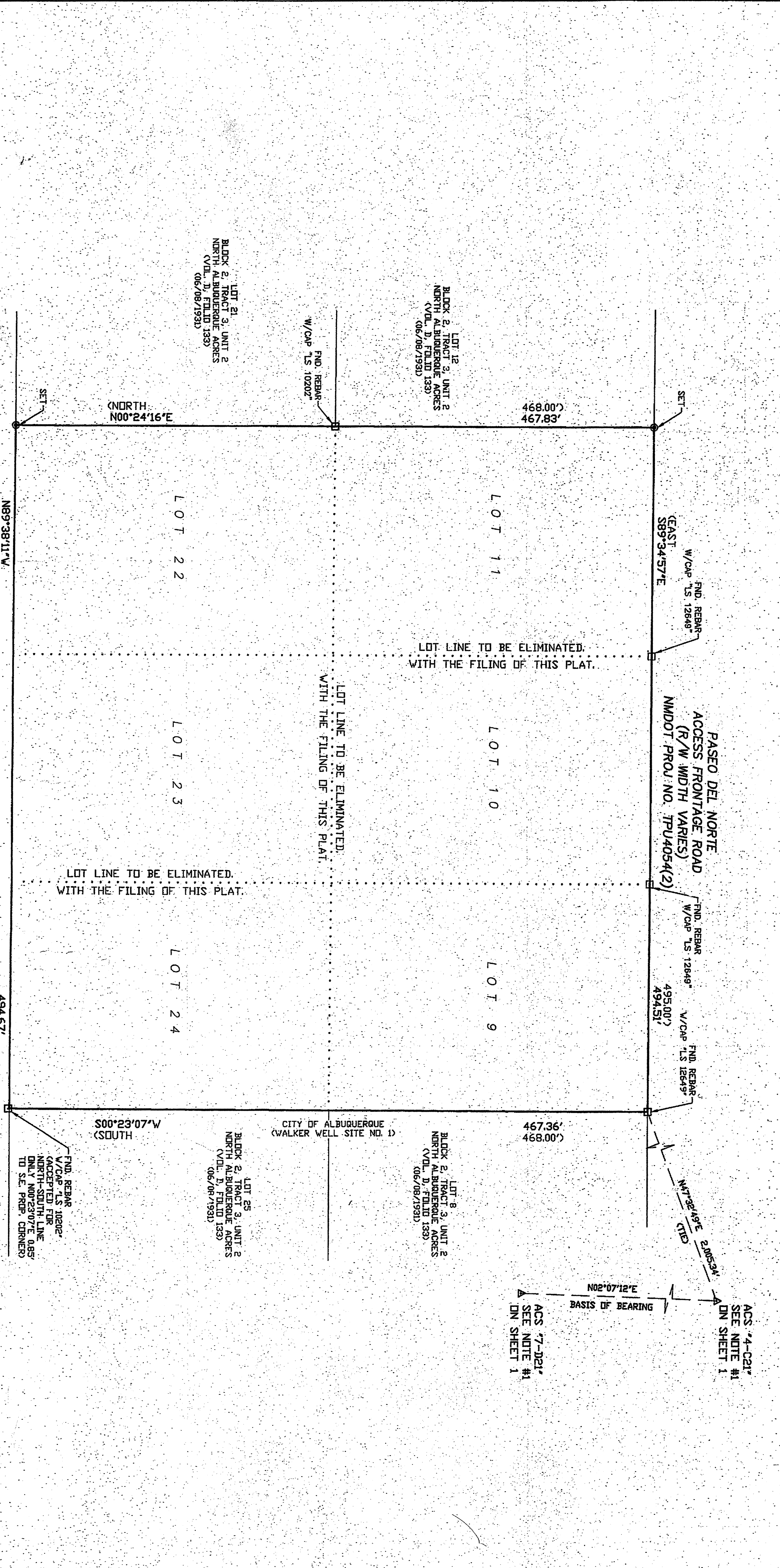
THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON:
UNIFORM PROPERTY CODE # 1-001-063-091491-2-05-08
1-001-063-10781-2-05-07-1-001-063-12881-2-05-08
1-001-063-10781-2-05-07-1-001-063-10781-2-05-08
1-001-063-10781-2-05-07-1-001-063-10781-2-05-08 &
PROPERTY OWNER OF RECORD: JOHN LOINE
BERNALILLO COUNTY TREASURER'S OFFICE:

SURVEYOR'S CERTIFICATE.
I, CHRISTOPHER A. MEDINA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15702, DO HEREBY CERTIFY THAT THIS PLAT AND THE ORIGINAL SURVEY INSTRUMENTS THEREON WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE BERNALILLO COUNTY SUBDIVISION ORNANCE. SHOWS ALL EASEMENTS ON SUBJECT TRACT(S) AS SHOWN ON THE PLAT OF RECORD OR MADE KNOWN TO ME BY THE OWNER(S). UTILITY COMPANIES OR OTHER PARTIES EXPRESSING AN INTEREST, MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS EFFECTIVE MAY 1, 2007, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHRISTOPHER A. MEDINA, NMP'S NO. 15702
DATE

EXISTING LOT VACATION EXHIBIT

PRELIMINARY PLAT OF CIELO ESTATES SITUATE WITHIN PROJECTED SECTION 24, T. 11 N., R. 4 E., N.M.P.M. ELENA GALLEGOS GRANT BERNALILLO COUNTY, NEW MEXICO JULY 2008



TERRA LAND SURVEYS, LLC
P.O. BOX 2532 • CORRALES, NM 87046 • (505) 793-6415
SHEET 2 OF 4
TERRA PROJECT NO. X7195

NOTES:

1. TRACT A TO BE OWNED AND MAINTAINED BY THE CIELO ESTATES HOME OWNERS ASSOCIATION.

EASEMENT LEGEND:

- (A) 20' PRIVATE ACCESS, PUBLIC SEWER & WATER EASEMENT TO BE GRANTED TO THE ALBUQUERQUE BERNALILLO COUNTY WATER AUTHORITY AND A VARIABLE WIDTH PRIVATE ACCESS EASEMENT TO BE GRANTED.
- (B) 10' PUBLIC UTILITY EASEMENT TO BE GRANTED.
- (C) 5' DRAINAGE EASEMENT TO BE GRANTED.
- (D) VARIABLE WIDTH PUBLIC SEWER & PUBLIC WATER EASEMENT TO BE GRANTED TO THE ALBUQUERQUE BERNALILLO COUNTY WATER AUTHORITY.
- (E) VARIABLE WIDTH PUBLIC SEWER & PUBLIC WATER EASEMENT TO BE GRANTED TO THE ALBUQUERQUE BERNALILLO COUNTY WATER AUTHORITY AND A VARIABLE WIDTH PRIVATE ACCESS EASEMENT TO BE GRANTED.
- (F) 25' Public Utility Easement.

AREA TABLE

Lot	SQ. FT. GROSS/NET	ACRES GROSS/NET
1	6424.03	0.1475
2	6035.52	0.1386
3	6034.80	0.1385
4	6034.09	0.1385
5	6499.28	0.1538
6	6035.45	0.1386
7	8144.02	0.1870
8	6488.03	0.1489
9	6801.66	0.1561
10	7304.86	0.1677
11	7302.98	0.1677
12	6545.54	0.1503
13	6563.29	0.1507
14	7053.94	0.1619
15	6784.30	0.1557
16	6677.33	0.1533
17	6274.98	0.1441
18	6240.71	0.1433
19	6242.67	0.1433
20	6244.68	0.1434
21	6412.00	0.1472
22	7452.57	0.1711
23	6030.00	0.1384
24	6025.93	0.1383
25	6026.00	0.1383
26	6026.00	0.1383
27	6016.36	0.1381
28	6336.98	0.1455

PRELIMINARY PLAT OF

CIELO ESTATES

SITUATE WITHIN

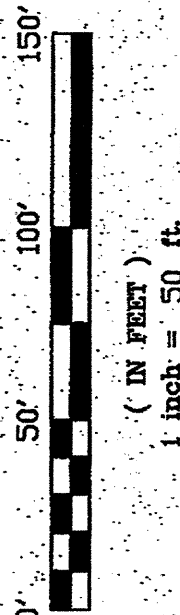
PROJECTED SECTION 21, T. 11 N., R. 4 E., N.M.P.M.

ELENA GALLEGOS GRANT

BERNALILLO COUNTY, NEW MEXICO

JULY 2008

GRAPHIC SCALE



ACS '4-C21' SEE NOTE #1 ON SHEET 1

ACS '7-121' SEE NOTE #1 ON SHEET 1

SCANNED BY
PLANNING

LEGEND

- VARIABLE WIDTH PUBLIC SEWER & WATER EASEMENT TO BE GRANTED TO THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY AND A VARIABLE WIDTH PRIVATE ACCESS EASEMENT TO BE GRANTED.
- VARIABLE WIDTH PUBLIC SEWER & PUBLIC WATER EASEMENT TO BE GRANTED TO THE ALBUQUERQUE BERNALILLO COUNTY WATER AUTHORITY.

TERRA LAND SURVEYS, LLC

P.O. BOX 235 • CORRALES, NM 87408 • (505) 792-6513



SHEET 3 OF 4
TERRA PROJECT NO. X7195

PRELIMINARY PLAT OF

CIELO ESTATES

SITUATE WITHIN

PROJECTED SECTION 21, T. 11 N., R. 4 E., N.M.P.M.

ELENA GALLEGOS GRANT

BERNALILLO COUNTY, NEW MEXICO

JULY 2008

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	75.00	28.12	25.99	N 10°24'35" E	19°57'27"
C2	75.00	28.13	26.00	N 10°24'27" E	19°57'43"
C3	75.00	117.83	106.08	N 44°34'56" W	90°01'03"
C4	75.00	39.26	35.35	S 45°25'27" W	88°59'11"
C5	75.00	39.26	35.37	S 44°35'08" E	90°01'58"
C6	75.00	31.09	29.12	N 54°46'22" E	71°15'02"
C7	45.00	195.84	74.02	S 36°10'43" E	249°20'53"
C8	45.00	13.56	13.51	N 82°52'26" W	17°15'41"
C9	25.00	6.70	6.68	N 81°55'21" W	16°21'32"
C10	25.00	39.26	35.35	S 45°24'44" W	88°58'17"
C11	25.00	86.42	77.80	S 44°35'16" E	90°01'43"
C12	25.00	21.80	21.12	N 65°24'41" E	49°58'23"
C13	25.00	219.89	57.86	S 00°24'52" W	279°58'44"
C14	25.00	21.81	21.13	N 64°35'37" W	49°59'41"
C15	95.00	105.23	98.93	N 57°51'26" W	63°28'03"
C16	45.00	29.17	28.67	S 37°43'11" W	37°08'42"
C17	45.00	52.63	49.68	S 89°47'48" W	67°00'35"
C18	45.00	20.31	20.14	N 43°46'10" W	25°51'28"
C19	45.00	19.93	19.77	N 18°08'09" W	25°22'36"
C20	45.00	73.80	65.80	S 77°06'23" W	25°23'24"
C21	25.00	10.21	10.14	S 52°07'12" W	23°23'24"
C22	25.00	53.94	50.77	S 74°45'54" W	88°40'48"
C23	45.00	49.53	47.06	N 39°21'55" W	63°03'35"
C24	45.00	43.37	41.71	N 19°46'30" E	95°13'15"
C25	45.00	61.46	56.80	N 86°30'49" E	78°15'23"
C26	45.00	11.59	11.56	S 46°58'36" E	14°45'43"
C27	45.00	52.02	51.38	S 72°04'22" E	31°22'36"
C28	95.00	50.17	49.59	S 41°15'14" E	30°15'38"
C29	75.00	3.77	3.77	N 18°56'58" E	02°52'39"

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 00°00'00" E	22.50'
L2	S 85°34'08" E	12.93'
L3	N 88°36'07" W	14.97'
L4	N 38°33'41" E	36.35'
L5	S 00°19'58" W	4.10'
L6	N 00°19'58" E	9.83'
L7	S 33°43'04" E	11.92'
L8	S 33°43'04" E	1.52'
L9	N 33°43'04" W	28.01'
L10	S 38°33'41" W	52.40'
L11	S 00°26'05" W	57.14'
L12	N 88°35'28" W	48.42'

Record Drawings

For Information Only 729182
Sheet 2A of 20
2A
PT

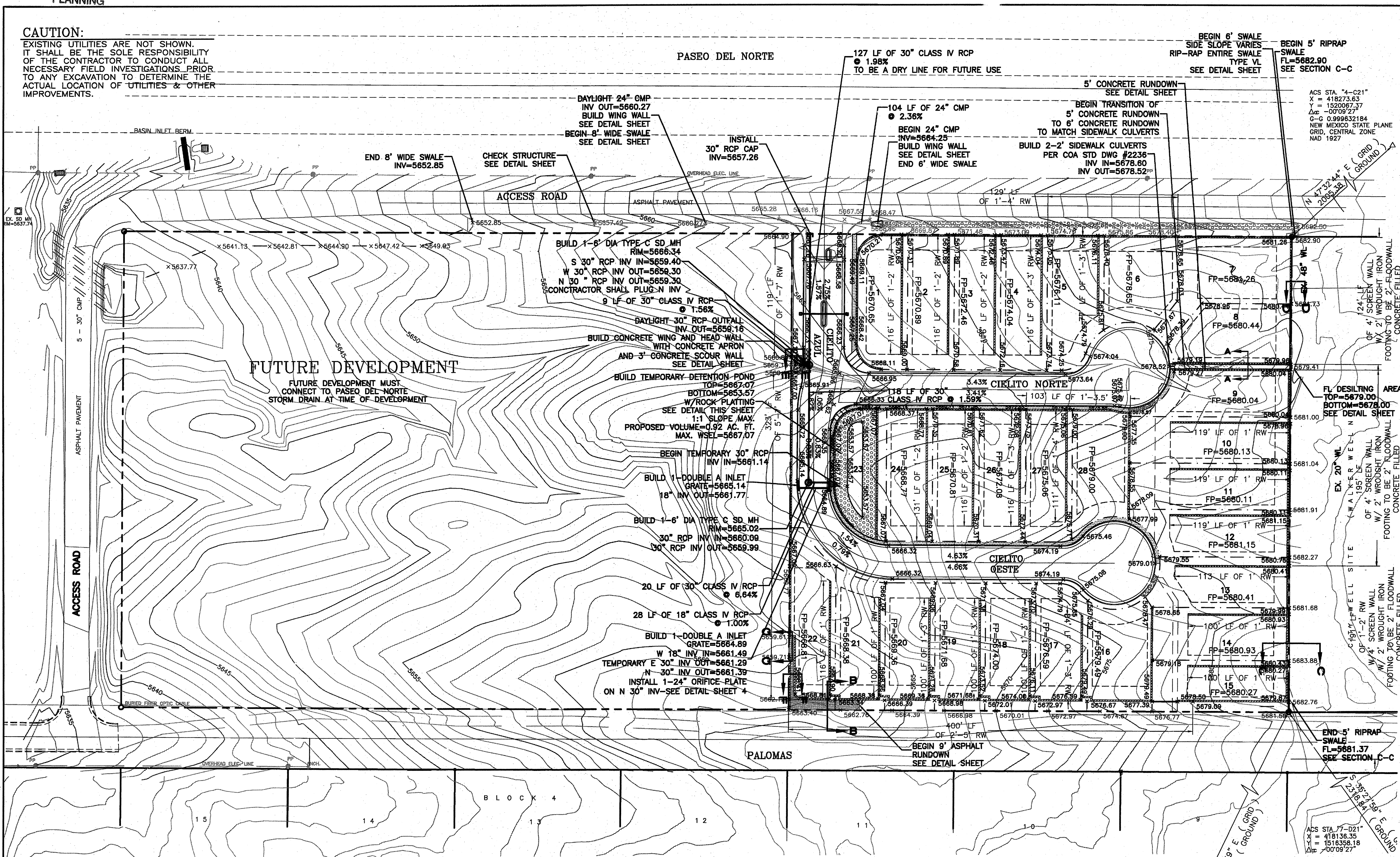
TERRA LAND SURVEYS, LLC

P.O. BOX 235 • CORRALES, NM 87408



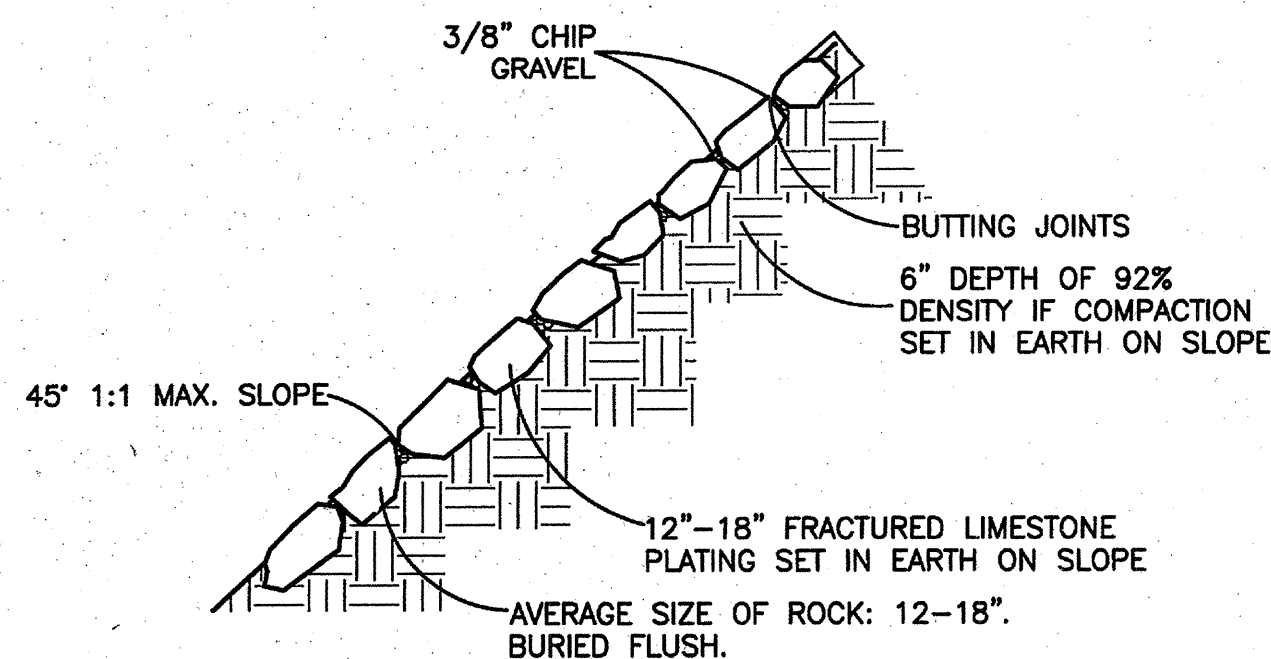
SHEET 4 OF 4
TERRA PROJECT NO. X7195

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.



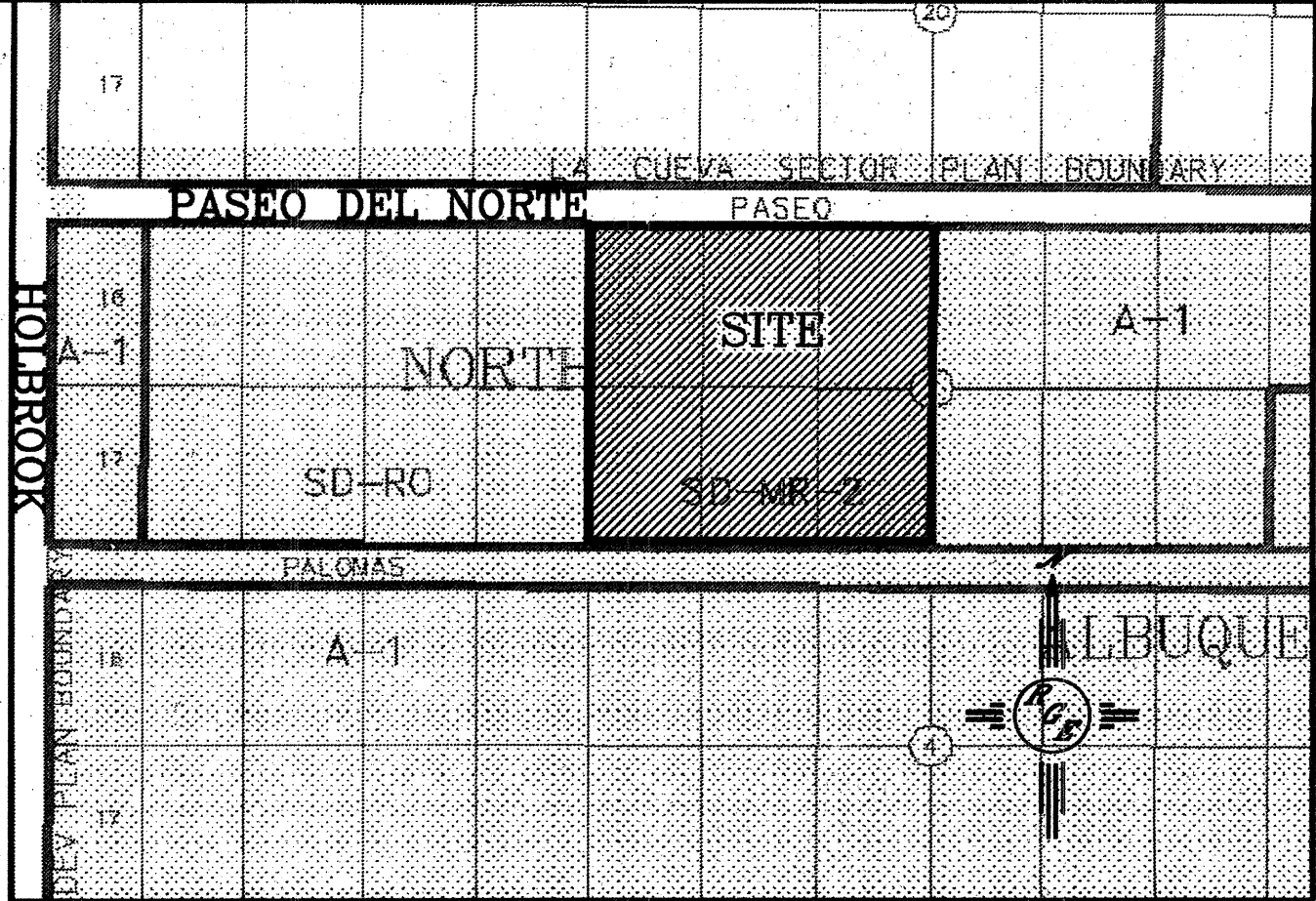
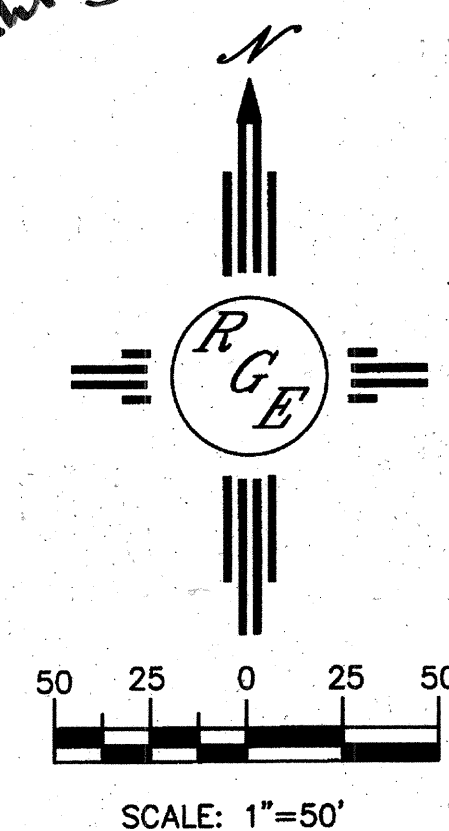
LEGEND

- EXISTING 12" CMP
- EXISTING FENCE
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED PERIMETER WALL
- PROPOSED RETAINING WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- FLOW ARROW
- FLOW LINE
- SLOPE TIE
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE
- EXISTING WATERLINE



ROCK PLATING DETAIL
NTS

Record Drawing



FIRM MAP: 35001C0141G

LEGAL DESCRIPTION:
LOTS 9, 10, 11, 22, 23, 24
BLOCK 2, TRACT 3, UNIT 2, NORTH ALBUQUERQUE ACRES

- 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. GRADING ON FUTURE COMMERCIAL SITE TO BE COORDINATED BETWEEN OWNERS.
 4. SECURITY FENCING FOR WALKER WELL SITE SHALL BE MAINTAINED AT ALL TIMES.
 5. ALL WORK ON WALKER WELL SITE SHALL BE HAND DUG.
 6. SEE MASTER PAVING SHEET FOR PAVING SECTION.
 7. ALL WORK SHOWN ON ACCESS ROAD AND PASEO DEL NORTE IS SHOWN FOR REFERENCE ONLY AND IS NOT A PART OF THE CONTRACT.

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/COUNTY) ACCEPTANCE OF THIS PROJECT.

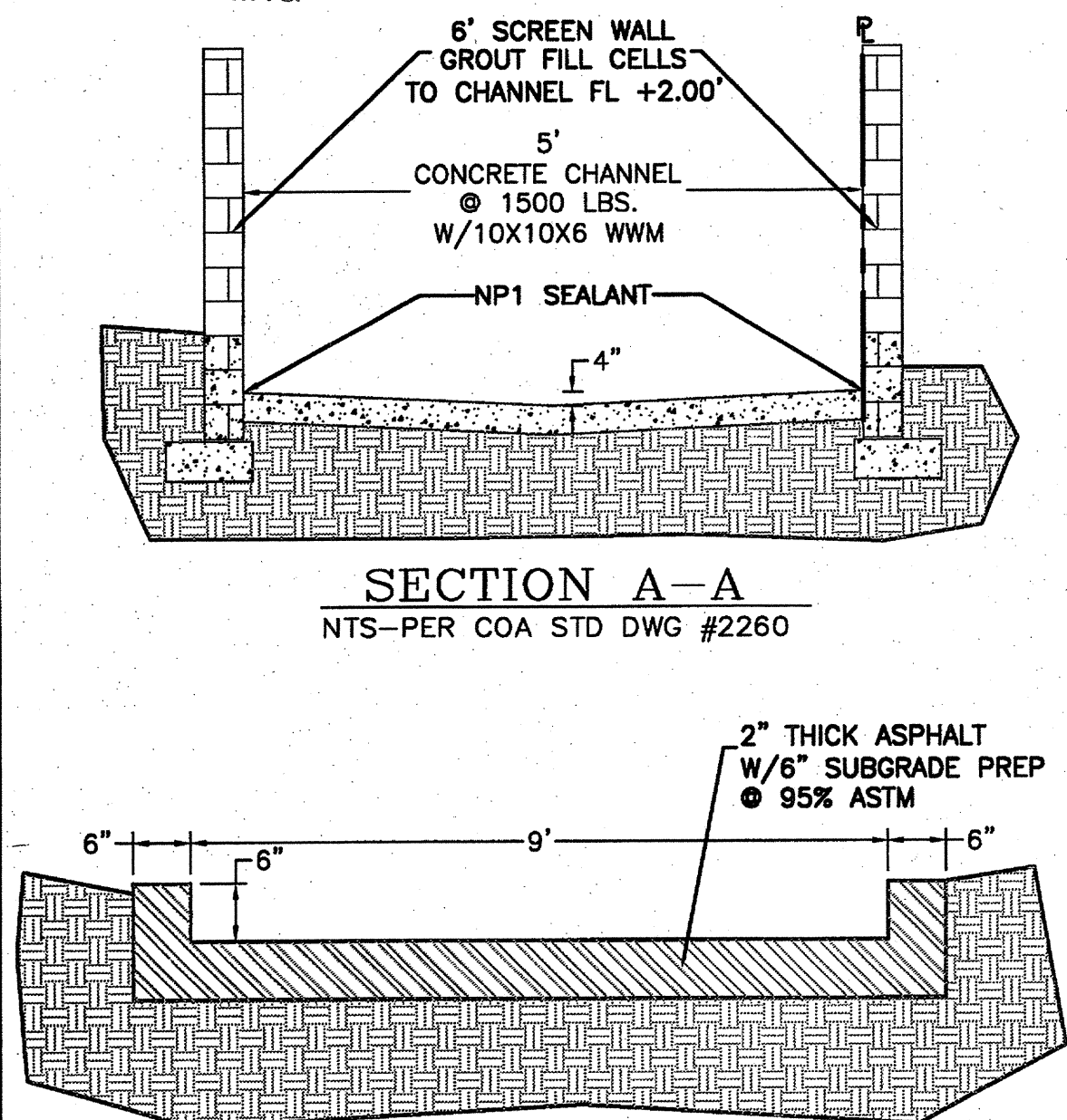
I DAVID SOULE, HAVE PERSONALLY INSPECTED THE PROPERTY ON 10-23-06. NO EARTHWORK HAS BEEN PERFORMED AND THE SITE IS CONSISTENT WITH THE TOPO SHOWN. GRADING HAS BEGUN PER PLAN.

DAVID SOULE P.E. #14522 DATE 1/25/11

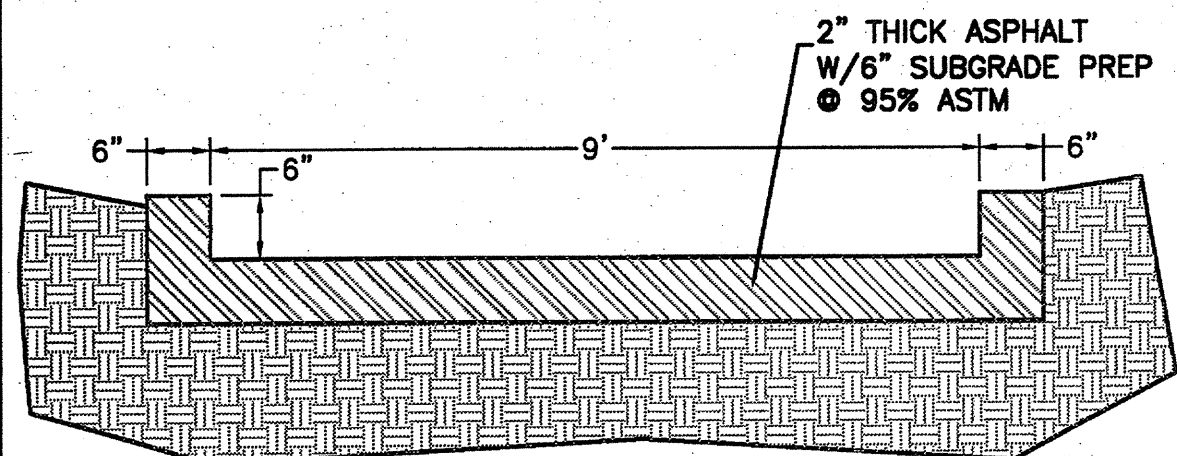
ROUGH GRADING APPROVAL		DATE
ENGINEER'S SEAL	CIELO ESTATES	DRAWN BY WCUJ
DAVID SOULE P.E. #14522	GRADING AND DRAINAGE PLAN	DATE 1-14-11
	Rio Grande Engineering	2654-GR-7-22-08X
		SHEET # 3 OF 20
		JOB # 2654

For Information Only

SCANNED BY
PLANNING

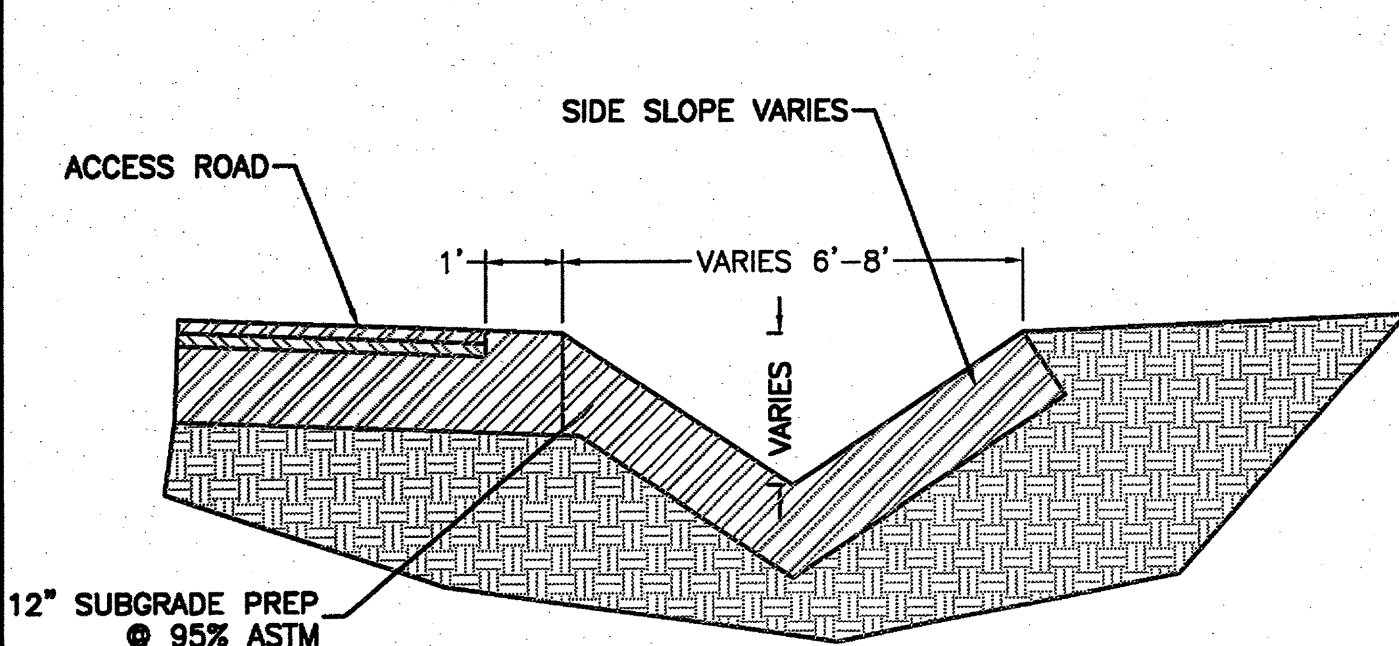


SECTION A-A
NTS-PER COA STD DWG #2260



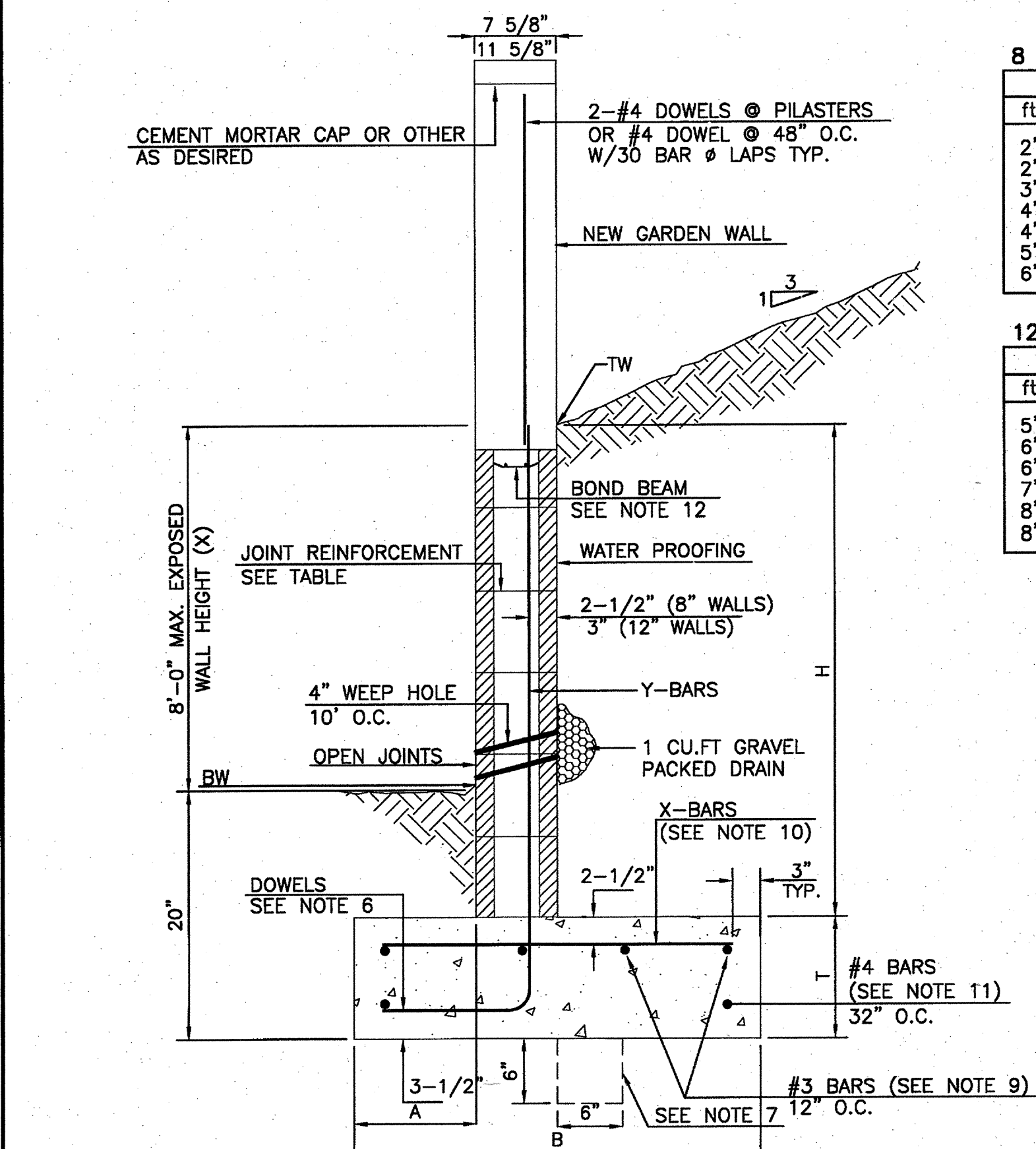
ASPHALT RUNDOWN DETAIL

NTS



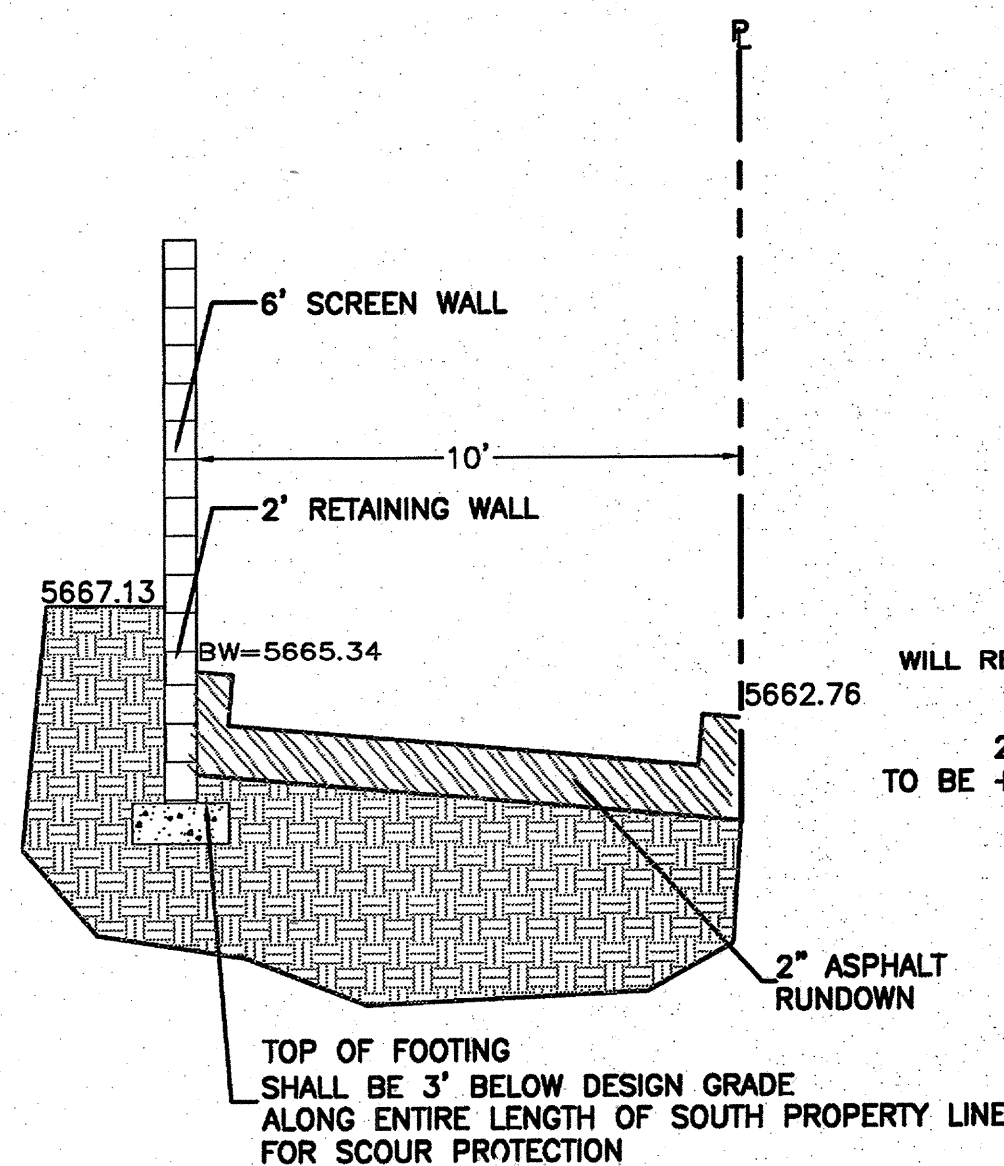
6' AND 8' SWALE DETAIL

NTS



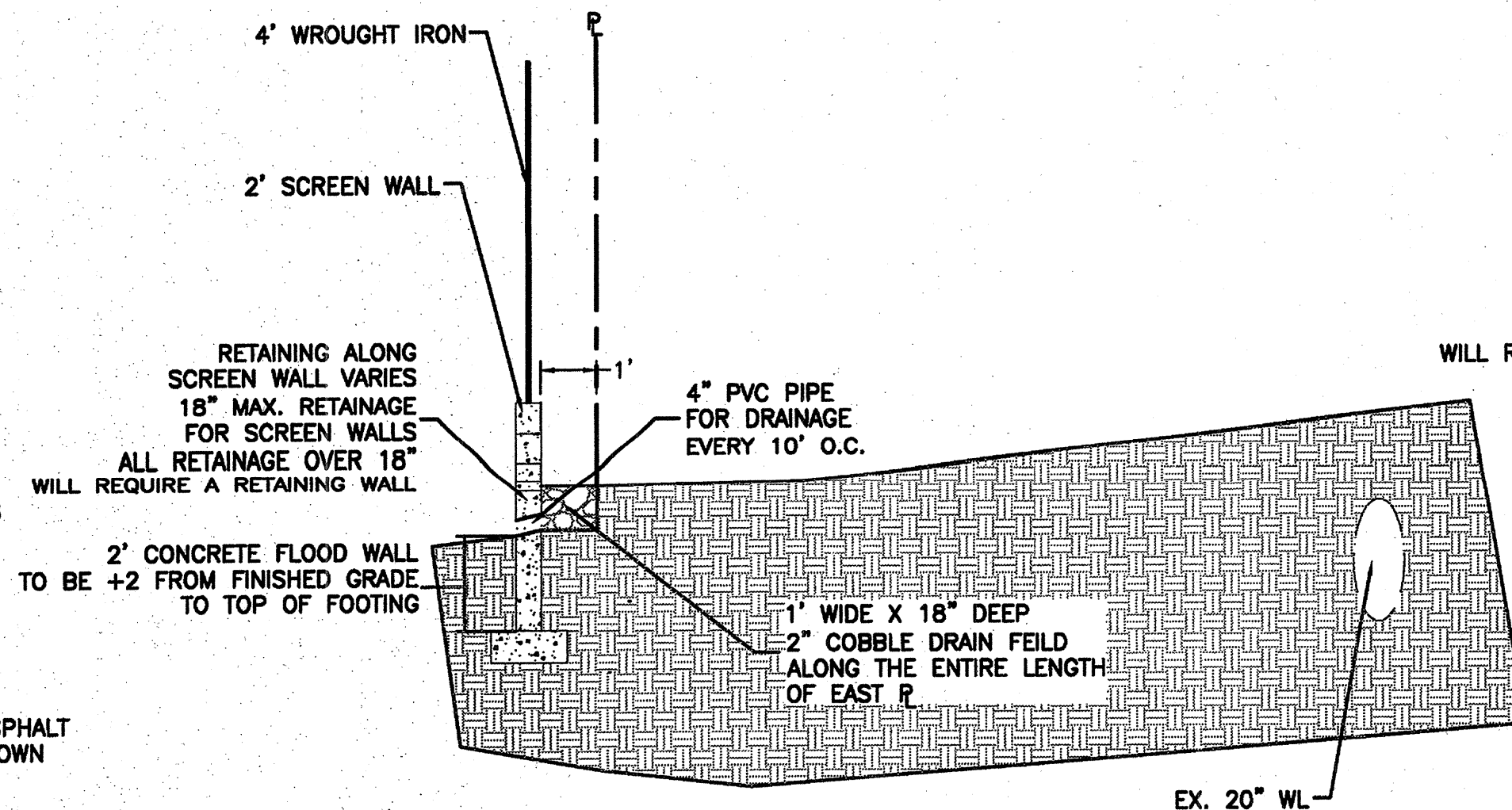
RETAINING WALL DETAIL

NTS



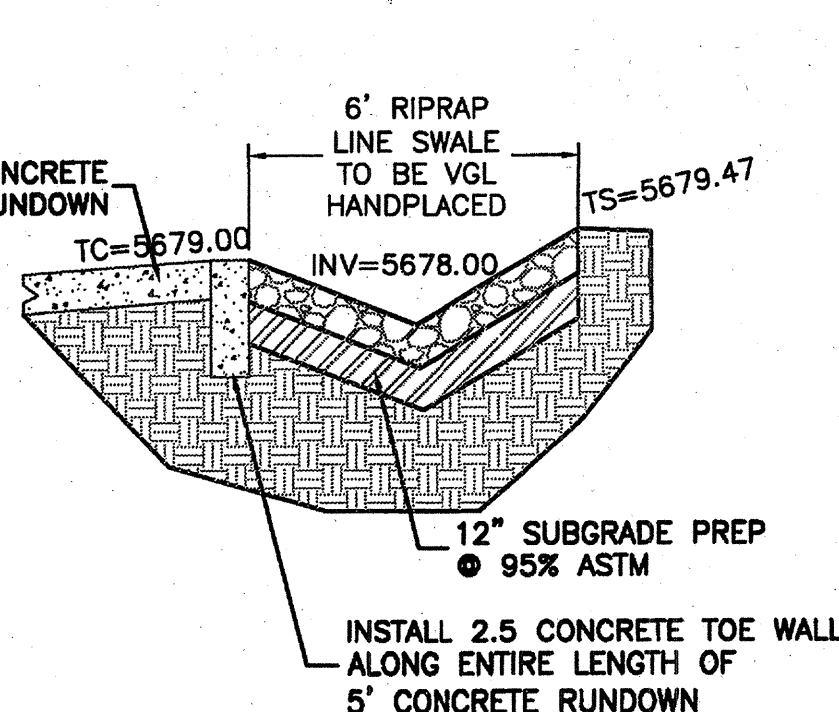
SECTION B-B

NTS



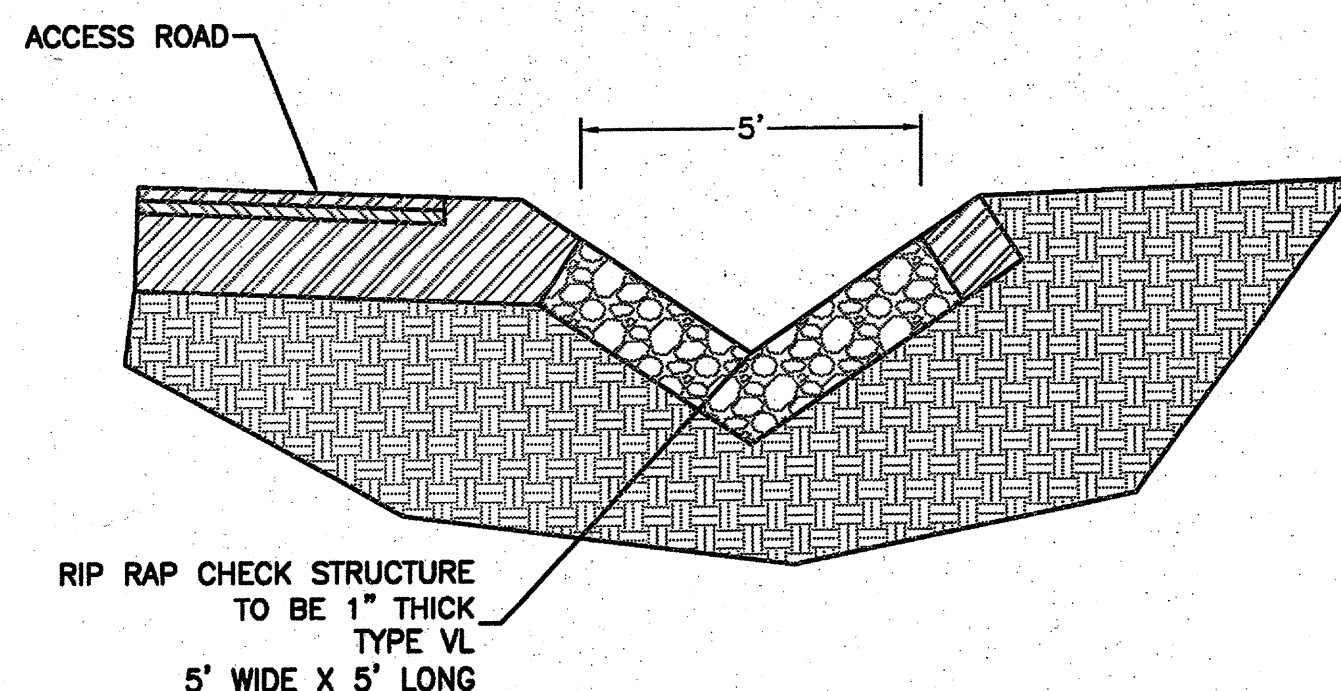
SECTION C-C

NTS



FL DESILTING AREA

NTS



RIP-RAP CHECK STRUCTURE DETAIL

NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

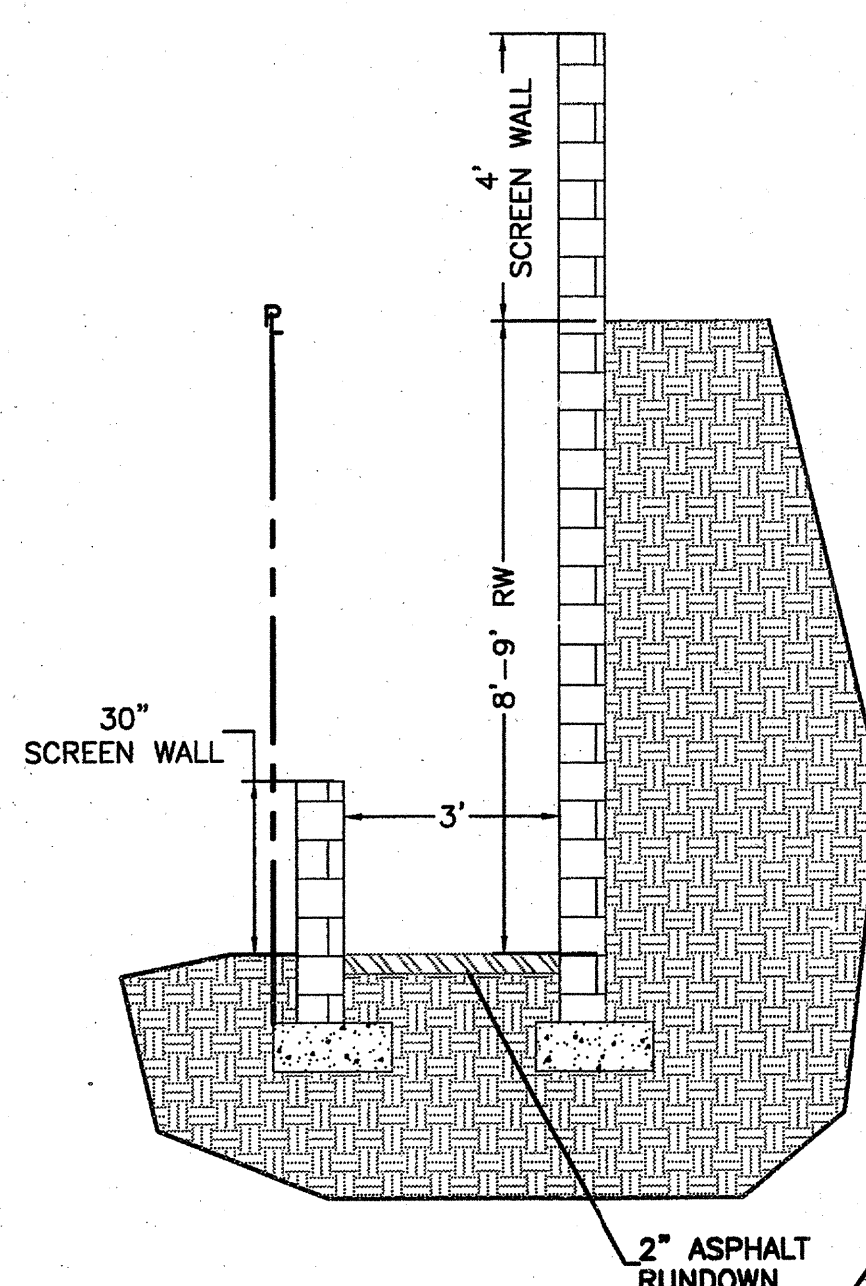
H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
2'-0"	1'-1"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
2'-8"	1'-9"	8"	2'-6"	9"	#4 @32" O.C.	#3 @27" O.C.
3'-4"	2'-5"	8"	2'-8"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	3'-1"	10"	2'-10"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	3'-10"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	4'-6"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	5'-3"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
5'-4"	4'-8"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	5'-4"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	6'-0"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	6'-8"	18"	4'-10"	12"	#5 @16" O.C.	#5 @25" O.C.
8'-0"	7'-4"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.
8'-8"	8'-0"	20"	5'-8"	12"	#7 @16" O.C.	#5 @21" O.C.

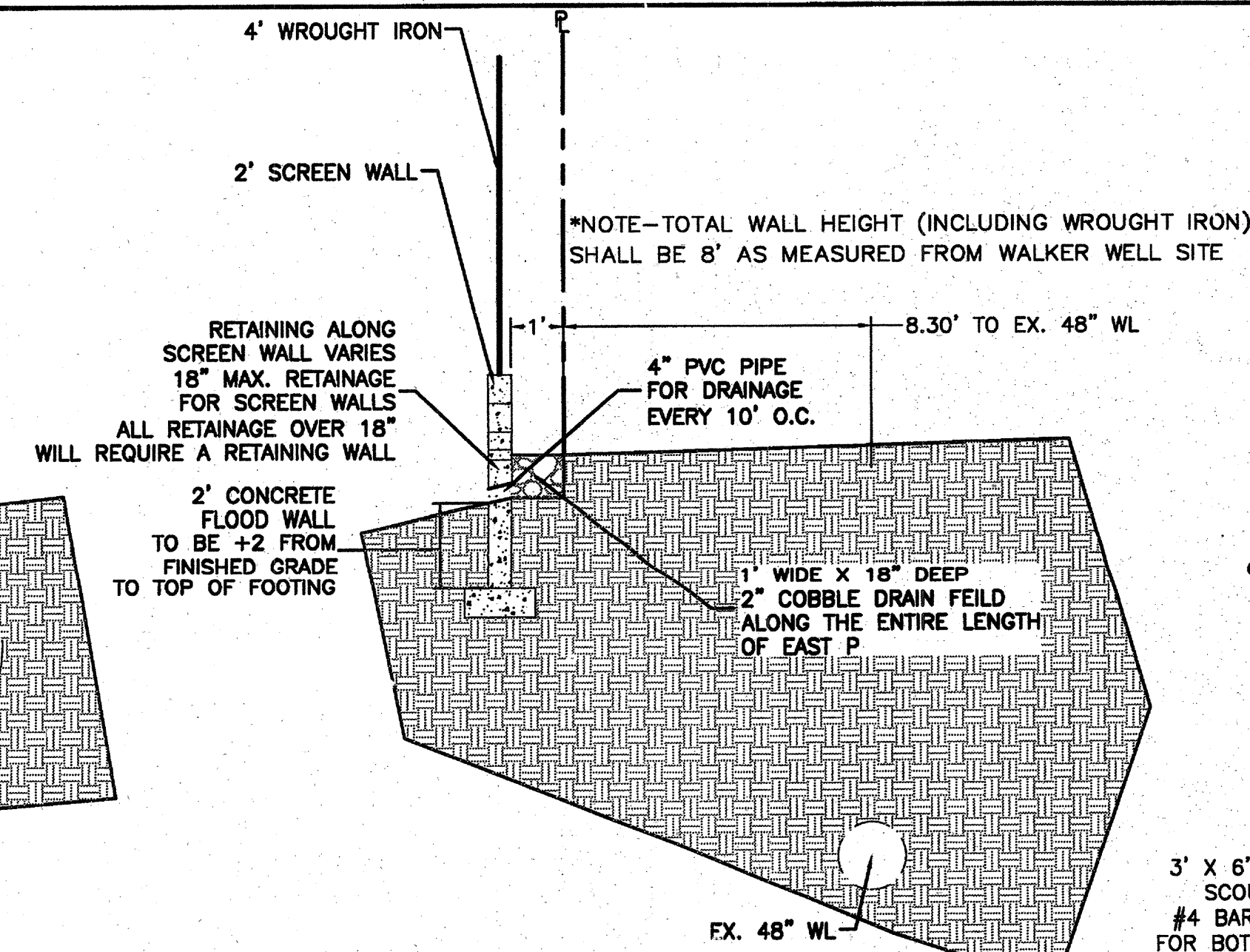
GENERAL NOTES:

- 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 $\pm 2.0\%$.
- BACK FILL 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 Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
- USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
- #3 BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
- X BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
- #4 BARS TO BE USED ON WALLS SMALLER THAN 3'-4"
- BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".
- TW - DESIGNATES FINISHED GRADE @ TOP OF RETAINING WALL
- BW - DESIGNATES FINISHED GRADE @ BOTTOM OF WALL
- BOTTOM OF FOOTING IS 20" BELOW THE DESIGNATED BW ELEVATION.



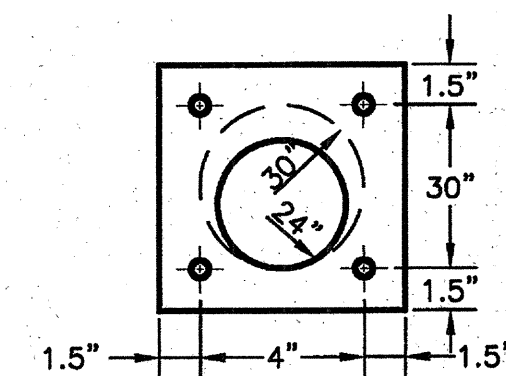
SECTION F-F

NTS



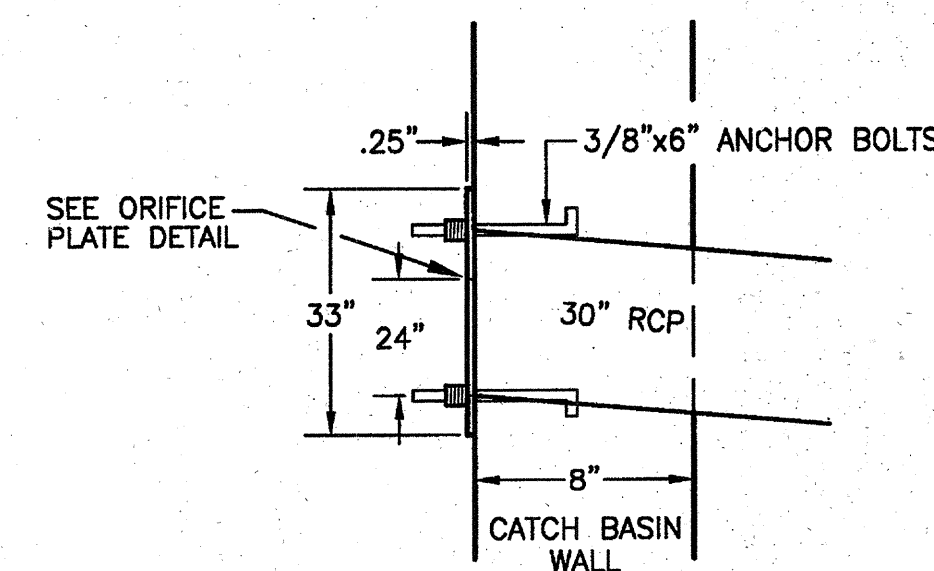
SECTION D-D

NTS



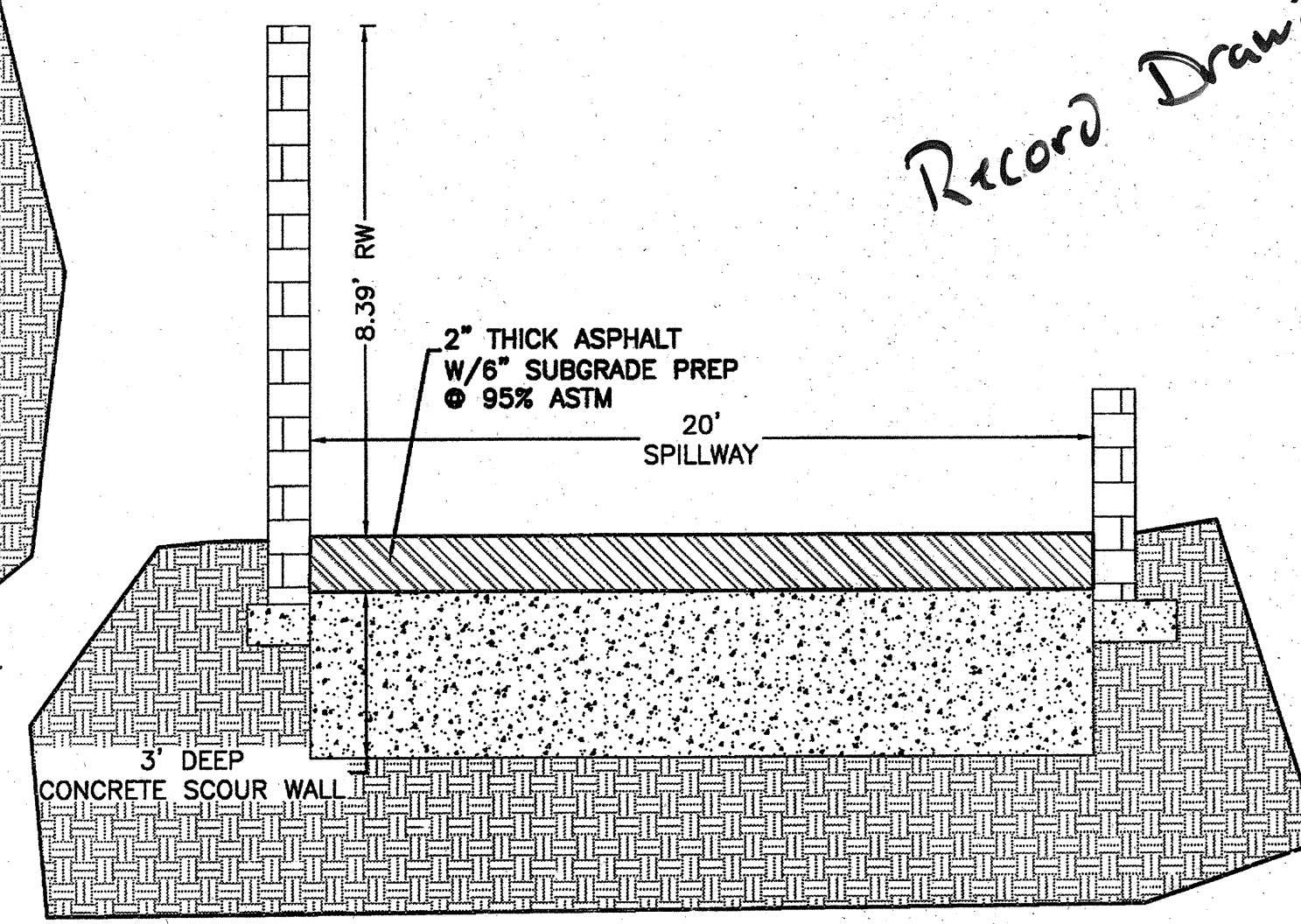
TYP. ORIFICE PLATE DETAIL

NTS



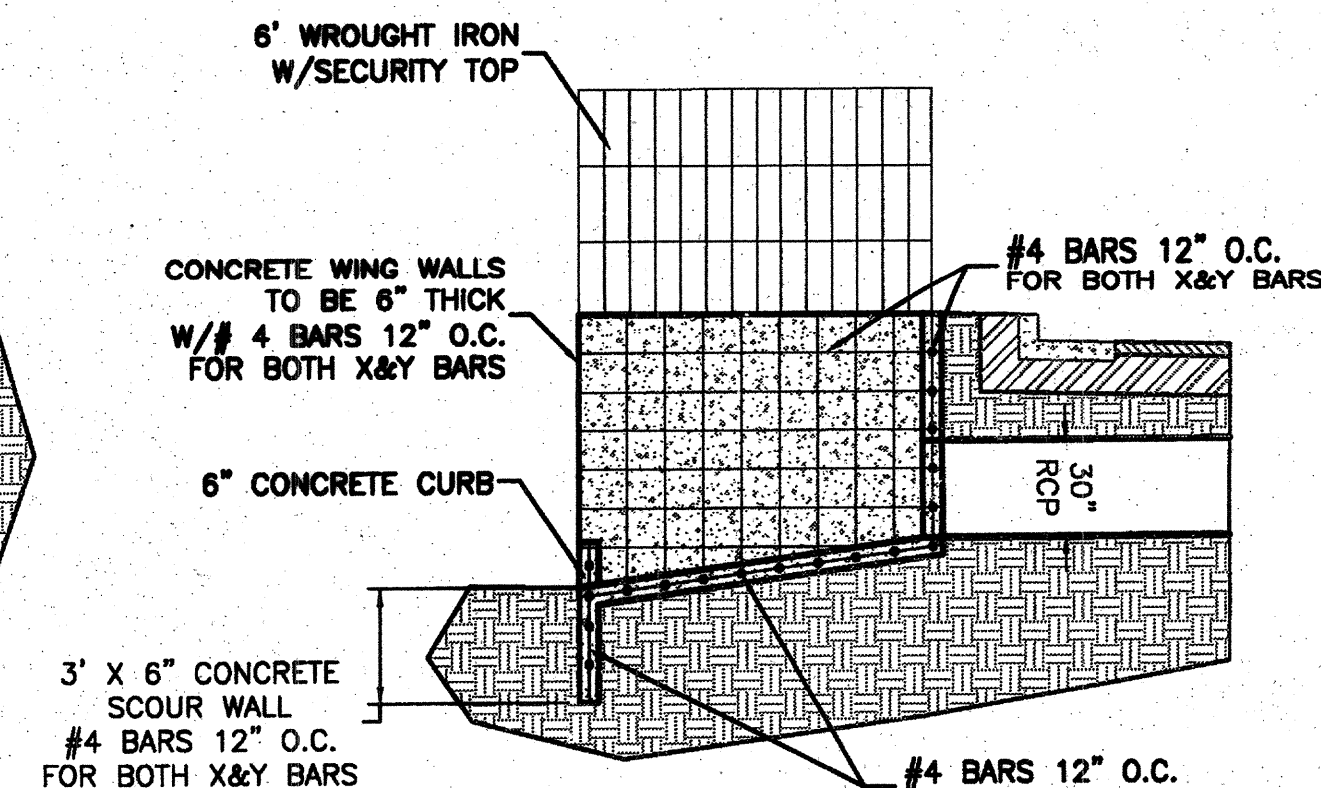
DETAIL A

TO BE INSTALLED @ THE OUTFLOW OF THE CATCH BASINS (SEE THIS PLAN FOR ORIFICE PLATE SIZES)



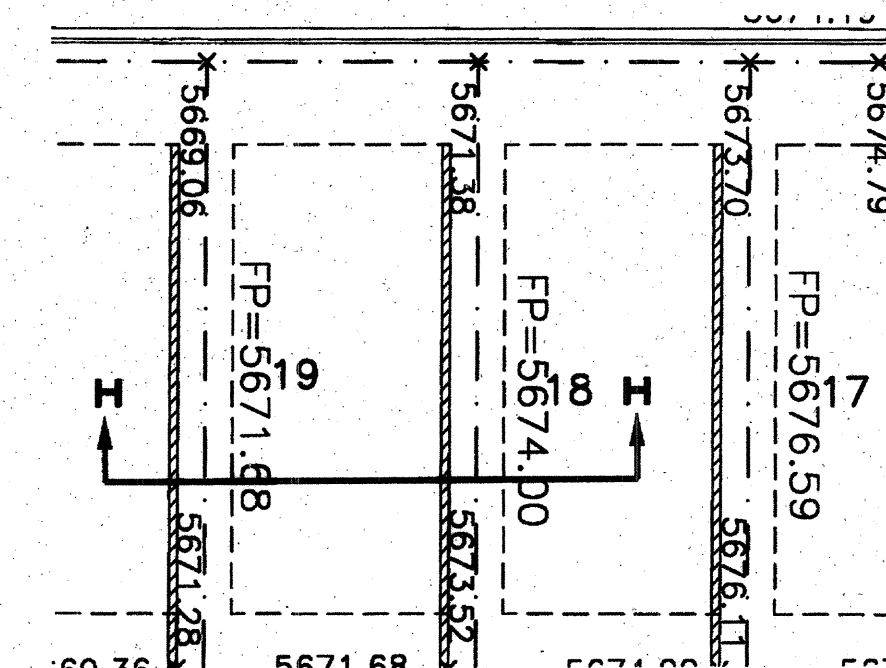
SECTION G-G

NTS



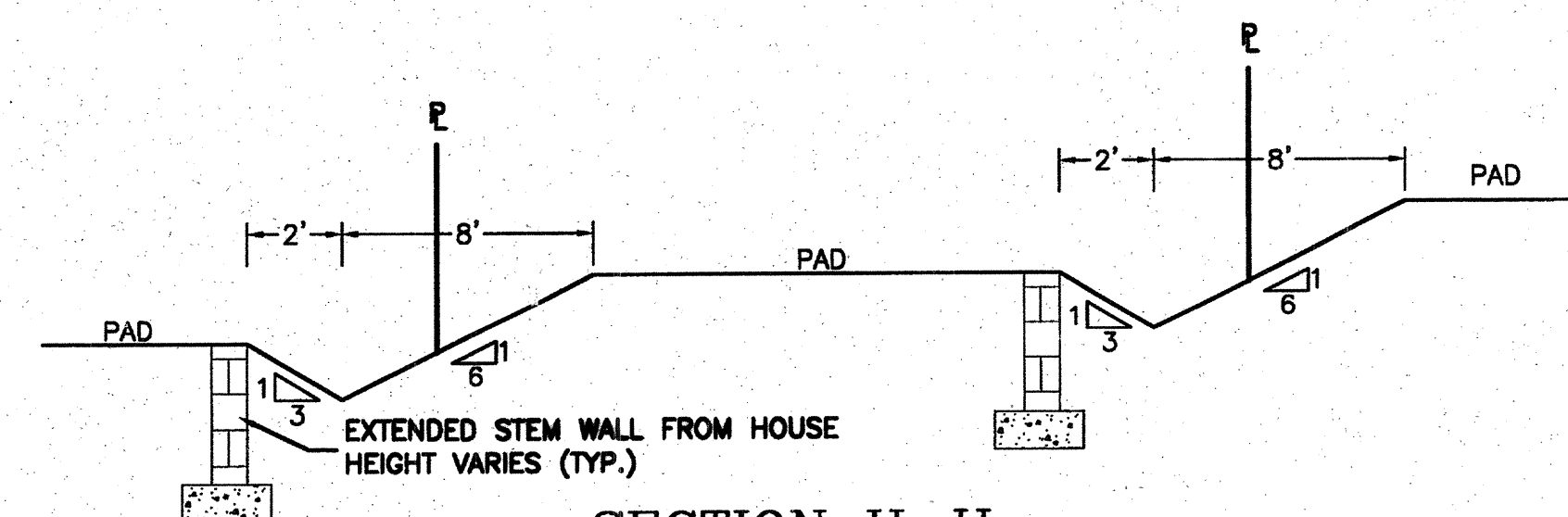
SECTION E-E

NTS



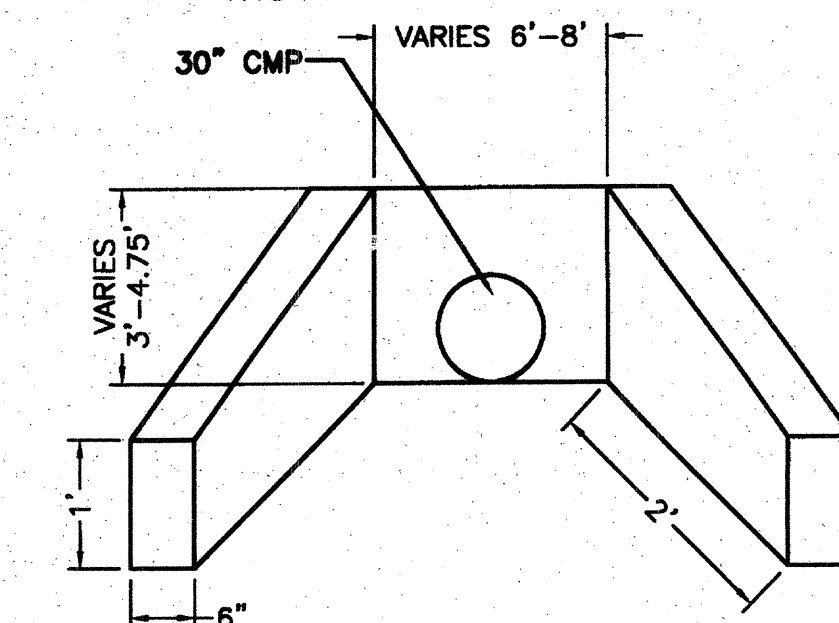
TYPICAL LOT GRADING

NTS



SECTION H-H

NTS

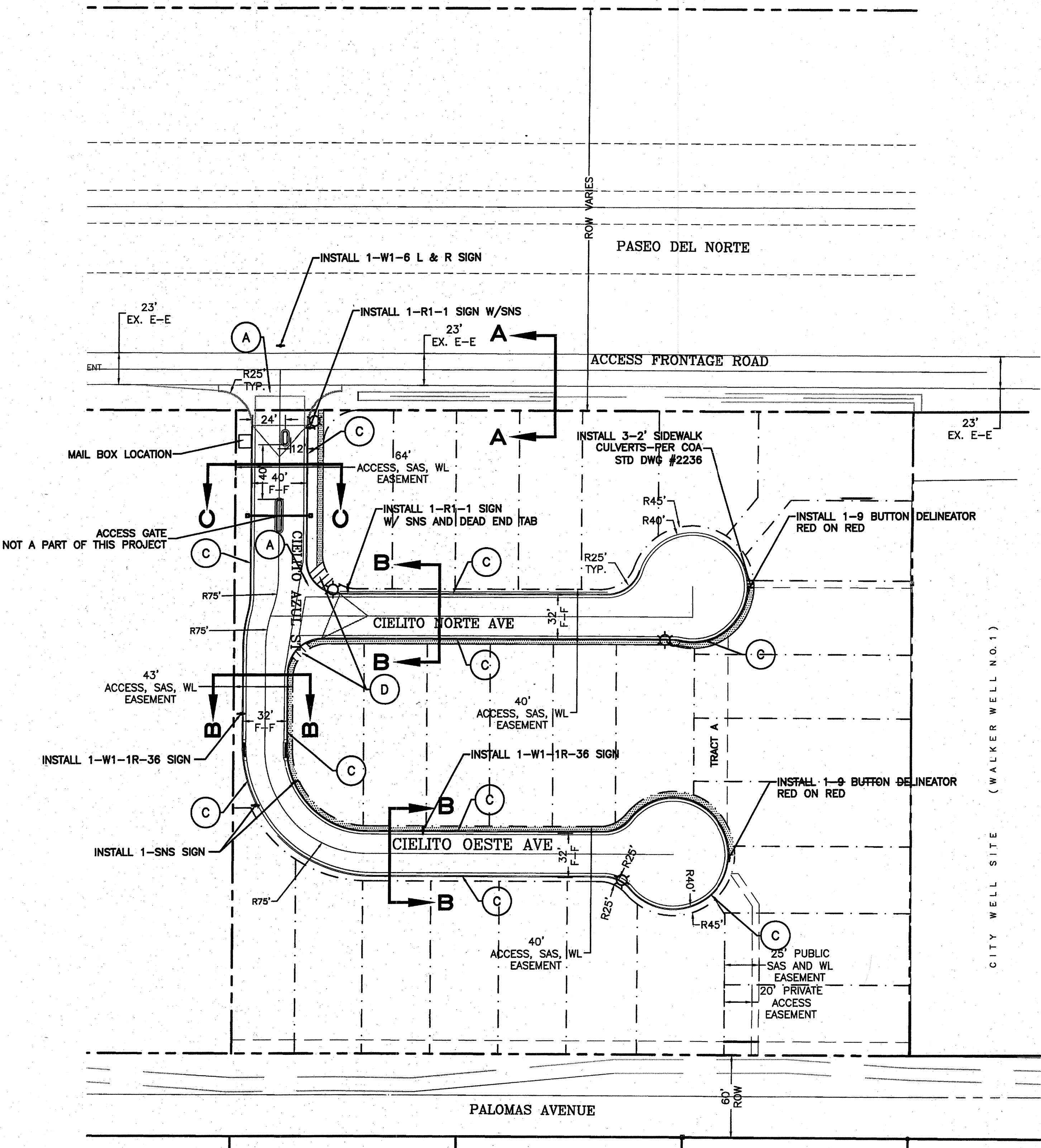


CONCRETE WING WALL FRONT

NTS
NOTE: CONCRETE TO 6" THICK W/#4 BARS 12" O.C. FOR BOTH X&Y BARS

ENGINEER'S SEAL DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522 P.E. #14522	CIELO ESTATES GRADING AND DRAINAGE PLAN Rio Grande Engineering 1806 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCHW DATE 1-14-11 2654-GR-7-22-08X SHEET # 4 OF 20 JOB # 2654
--	--	--

For Information Only



LEGEND

---	EXISTING EDGE OF PAVING
---	PROPOSED CURB & GUTTER
---	BOUNDARY LINE
---	EASEMENT
---	PROPOSED 6" CRUSHER FINE PATH
---	CENTERLINE
---	LOT LINES
---	STREET LIGHTS

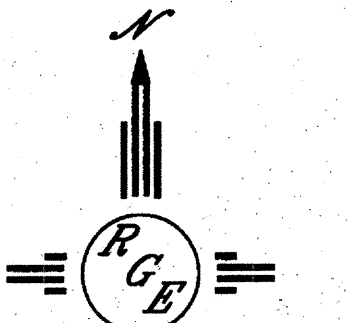
- KEYED NOTE:**
- A 6" VALLEY GUTTER PER C.O.A. STD DWG #2420
 - C STANDARD C&G PER COA STD DWG #2415A
 - D HANDICAP RAMP SEE DETAIL SHEET 6

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, COUNTY AND ABCWUA 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 DAVID VIGIL NMPS 8911.



Record Drawing

- GENERAL NOTES:**
- ALL WALL FOUNDATIONS/TOE MUST BE OUTSIDE COUNTY ROW.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL ROADWAY SIGNS UNTIL FINAL ACCEPTANCE.
 - ALL WORK TO BE PERFORMED IN THE ACCESS ROAD AND PASEO DEL NORTE IS SHOWN FOR REFERENCE ONLY AND IS NOT A PART OF THIS CONTRACT.



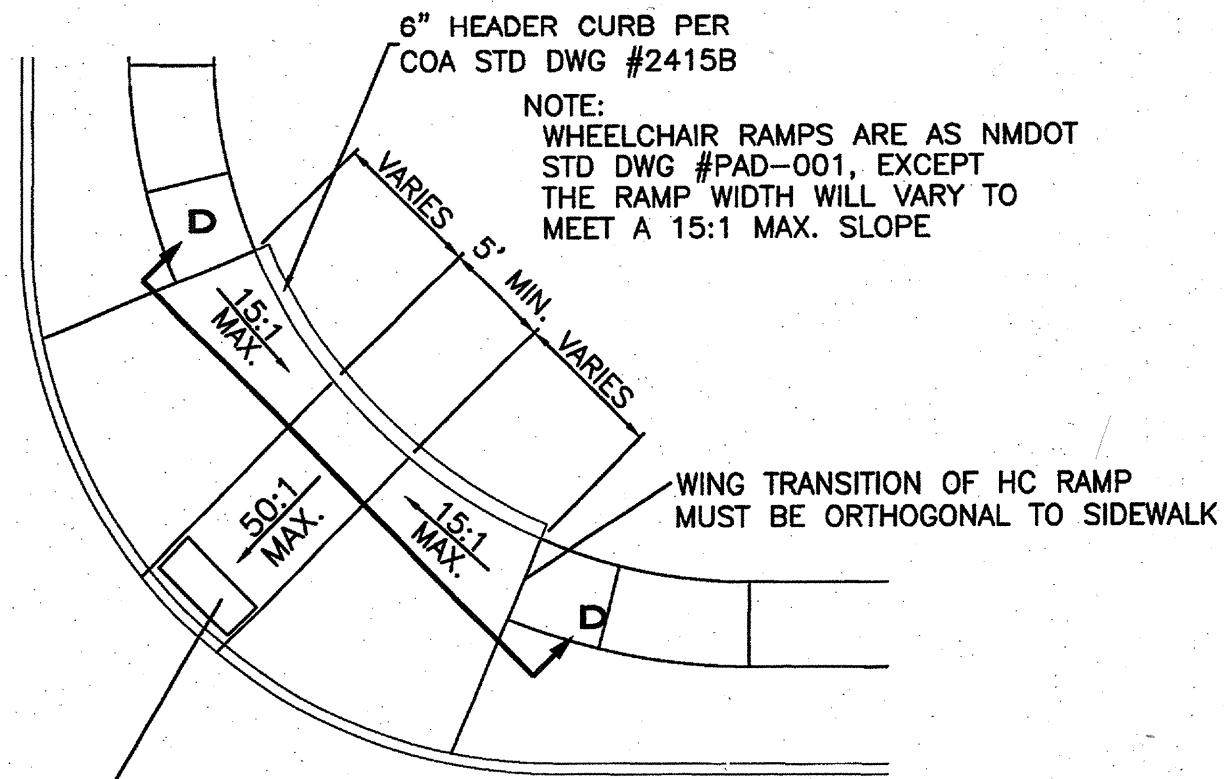
BERNALILLO COUNTY PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: CIELO ESTATES MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE <i>Bernalillo County</i>	CITY ENGINEER APPROVAL
CITY PROJECT NO. 729182	ZONE MAP NO. D-15-Z
SHEET 5 OF 20	

AS BUILT INFORMATION		BENCH MARKS	
NO.	DATE	ACS STA "S. C21"	
1	10/11/84	X = 1558341.366	
2	10/11/84	Y = 1522088.615	
3	10/11/84	ELEV = 5744.493 NAVD 1988	
4	10/11/84	Δ = -08'29"02"	
5	10/11/84	G-G 0.999636801	
6	10/11/84	NEW MEXICO STATE PLANE	
7	10/11/84	GRID, CENTRAL ZONE	
8	10/11/84	NAVD 1983 DATUM	

SURVEY INFORMATION		FIELD NOTES	
NO.	DATE	BY	
1			
2			
3			
4			
5			
6			
7			
8			

ENGINEER'S SEAL		REVISIONS	
NO.	DATE	BY	
1			
2			
3			
4			
5			
6			
7			
8			

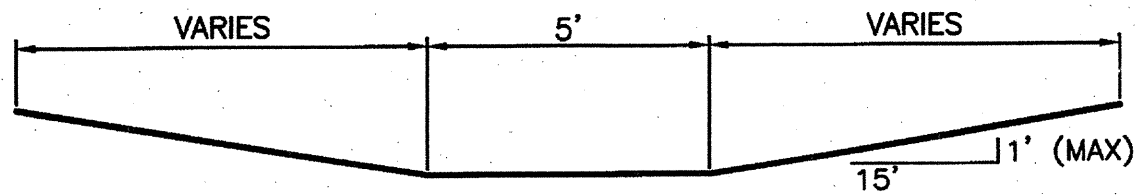
DESIGNED BY: WCVJ	DATE: 1-14-11
DRAWN BY: WCVJ	DATE: 1-14-11
DRAWN NAME: 2654-DRC-7-22-08X.DWG	JOB NO: 2654
CHECKED BY: DS	DATE: 1-14-11



TRUNCATED DOMES
DESIGN PER ADA GUIDELINES
SUBMIT SPECS TO BERNALILLO COUNTY CONSTRUCTION ENGINEERING
FOR EVALUATION PRIOR TO CONSTRUCTION

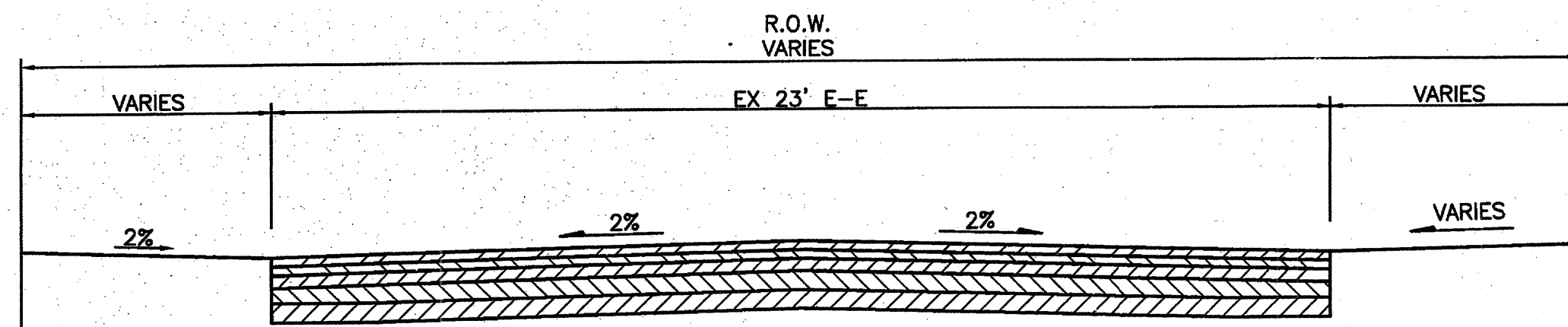
WHEELCHAIR RAMP DETAIL (TYP.)

NTS



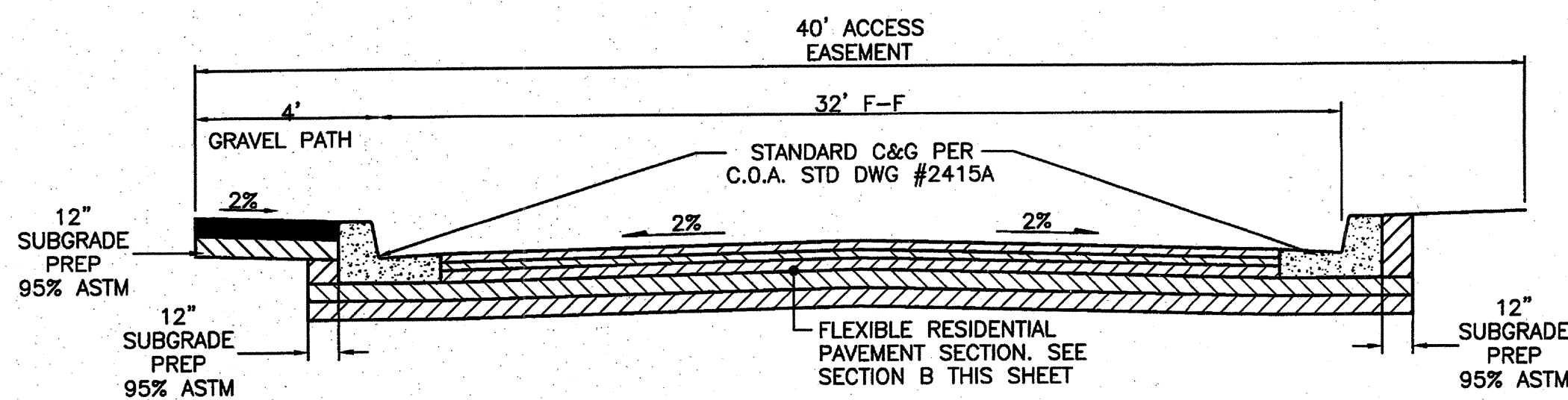
SECTION D-D

NTS



SECTION A-A

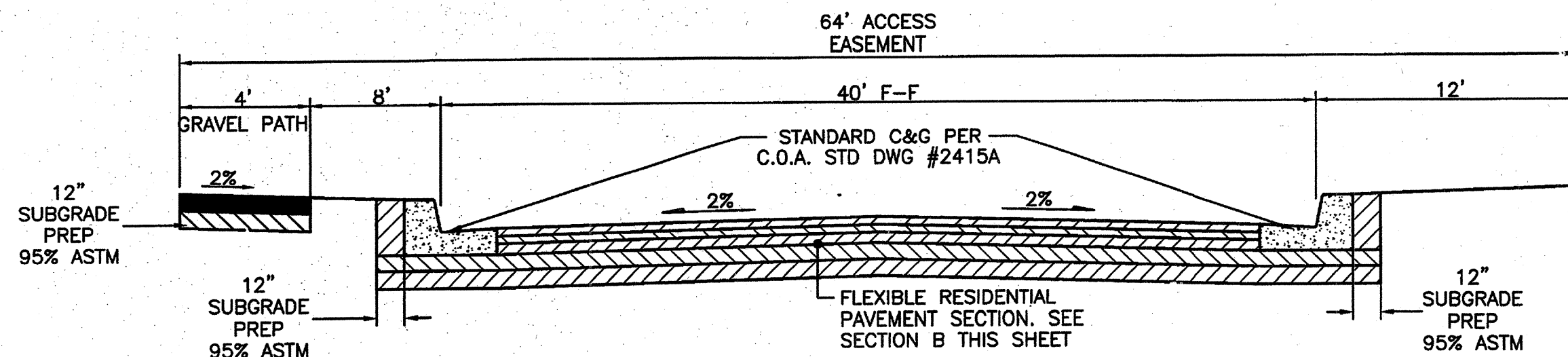
NTS--SHOWN FOR REFERENCE ONLY NOT A PART OF THIS CONTRACT



SECTION B-B

TYPICAL 32' STREET SECTION W/ STANDARD C AND G

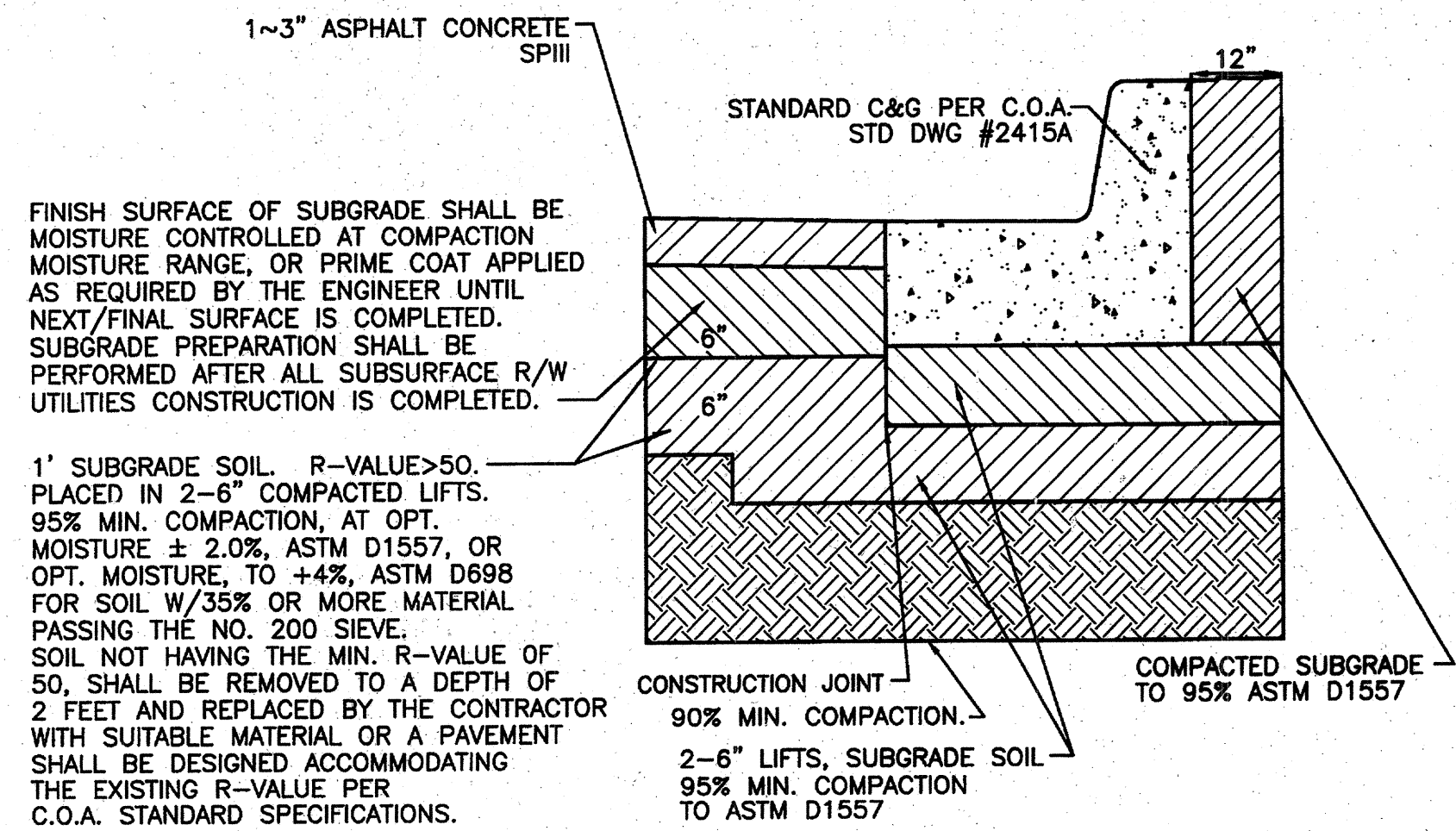
NTS



SECTION C-C

TYPICAL 40' STREET SECTION W/ STANDARD C AND G

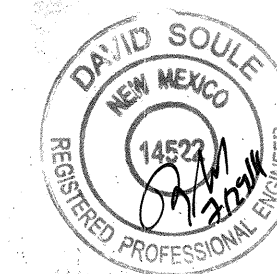
NTS



SECTION B-RESIDENTIAL PAVING SECTION (STANDARD CURB)

NTS

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, COUNTY AND
ABCWUA 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 DAVID VIGIL. NMPS 8911.



Revised Drawing

		BERNALILLO COUNTY PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: CELO ESTATES MASTER PAVING DETAILS PLAN			
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL 	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT NO. 729182		ZONE MAP NO. D-15-Z	SHEET 6 OF 20

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
ACS STA 36.021"	DATE 8-11	DATE	
X = 1558341.368	DATE	BY	
Y = 1522886.615	DATE	NO.	
ELEV=5744.493 NAD 1988	DATE 7-11		
ΔE = -09'29.82"	DATE 7-11		
G-C 0.899636801	DATE 7/20/11		
NEW MEXICO STATE PLANE			
GRID, CENTRAL ZONE			
NAD 1983 DATUM			



LINE TABLE		
LINE	LENGTH	BEARING
L41	123.64	S00°25'51"V
L42	99.02	S00°25'51"V
L43	54.96	S00°25'35"V
L44	70.69	S00°25'36"V

C1	FL	ELEV.	C2	FL	ELEV.
	1	5665.76		4	5667.88
	2	5666.22		5	5667.97
	3	5666.69		6	5668.37

C3	FL	ELEV.	C4	FL	ELEV.
	7	5666.84		10	5665.64
	8	5666.73		11	5665.87
	9	5666.62		12	5666.10

DAVID SOULE
NEW MEXICO
14521
REGISTERED PROFESSIONAL ENGINEER
3/27/91

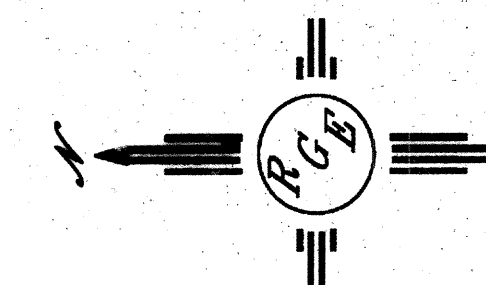
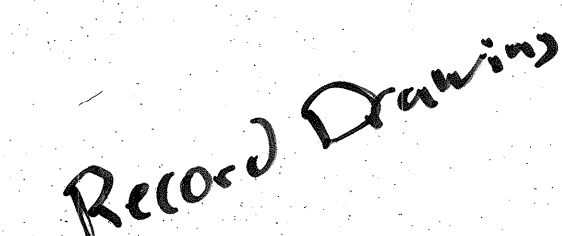
A 6' VALLEY GUTTER PER C.O.A. STD DWG #2420

B 6' CRUSHER FINE PATH

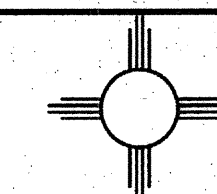
C STANDARD C&G PER COA STD DWG #2415A

D HANDICAP RAMP SEE DETAIL SHEET 6

1. SEE MASTER PAVING DETAIL SHEET 6 FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE STANDARD UNLESS OTHERWISE NOTED.



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



Rio Grande Engineering
1806 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0990

BERNALILLO COUNTY
PUBLIC WORKS DIVISION
ENGINEERING GROUP

TITLE: **CIELO ESTATES**
PAVING IMPROVEMENTS
CIELITO AZUL STREET

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
-------------------------	------------------------

Bernalillo County

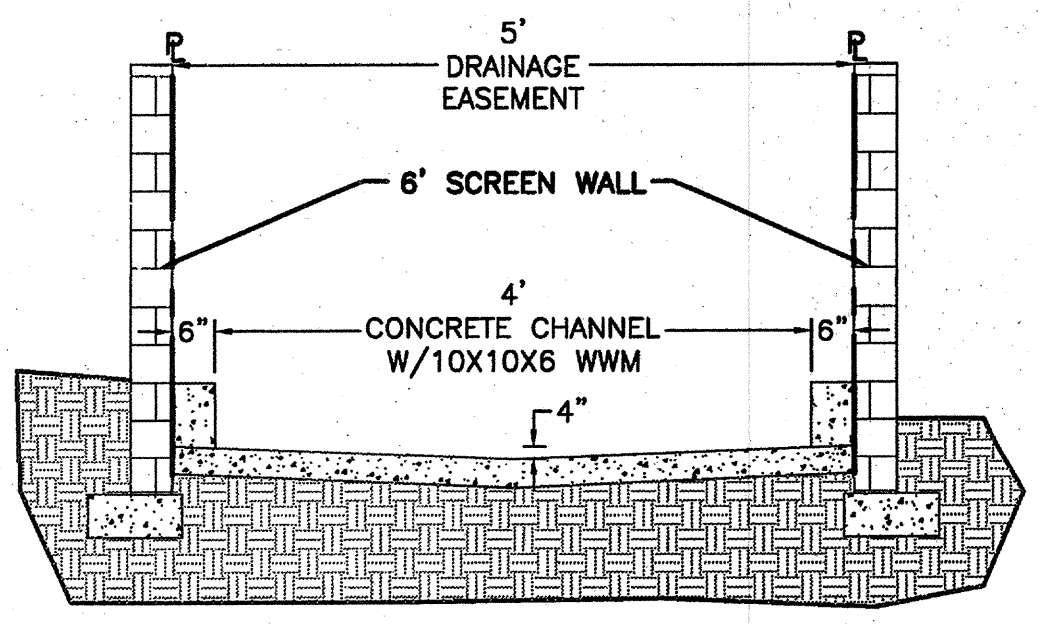
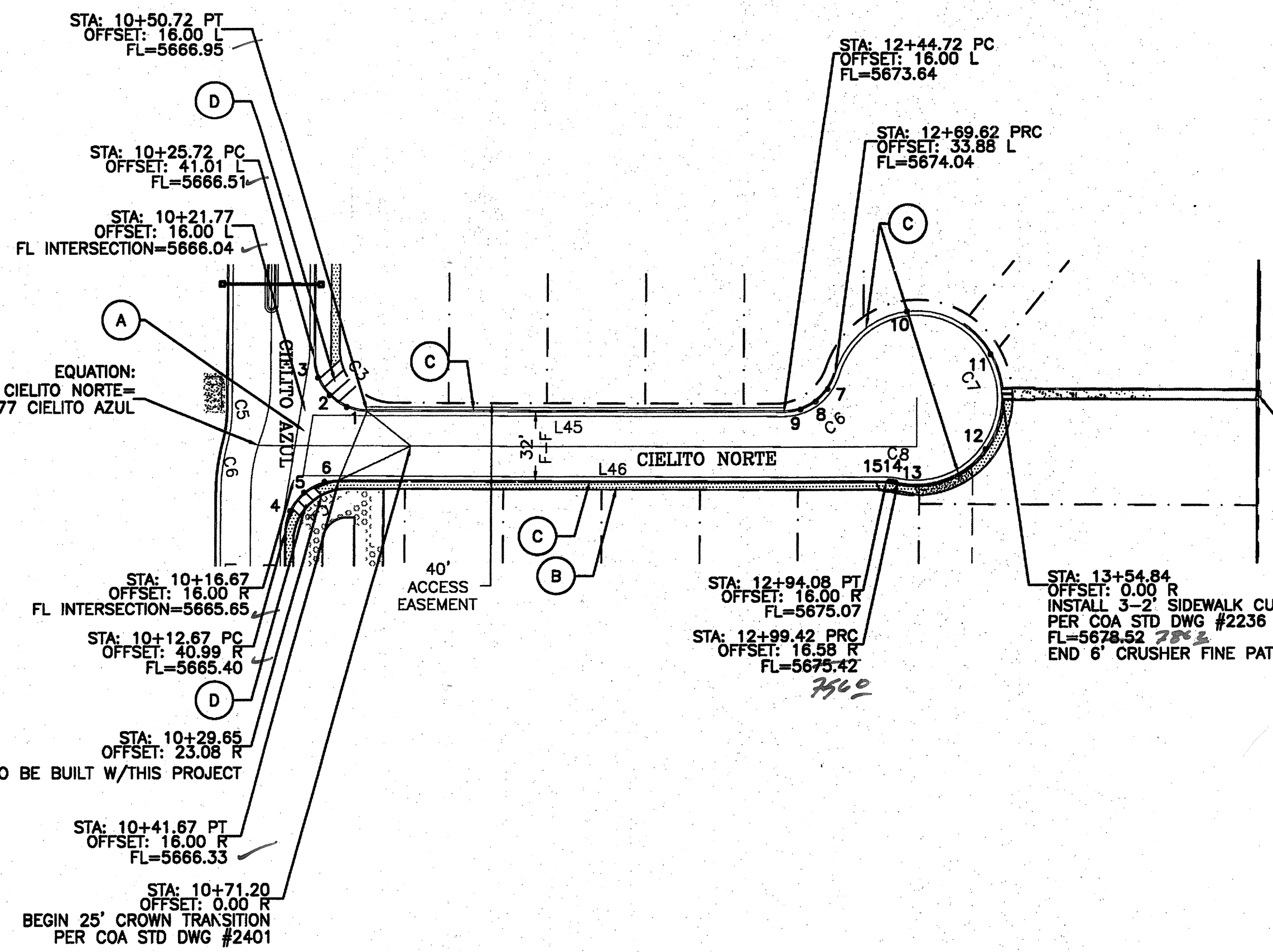
The image shows two separate hand-drawn graphs on a grid background. Each graph consists of a vertical y-axis and a horizontal x-axis. In both graphs, a straight line is drawn starting from a point on the y-axis and extending upwards and to the right, indicating a positive linear relationship between the variables plotted.

CITY PROJECT NO.	ZONE
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	729182	D
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[illegible]

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00



CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C3	39.28	25.00	90°01'58"	S44°35'08"E	35.37
C4	39.26	25.00	89°58'17"	S45°24'44"W	35.35
C6	32.05	25.00	73°27'51"	N53°39'57"E	29.90
C7	185.56	40.00	265°47'49"	N30°10'04"W	58.60
C8	5.38	25.00	12°19'58"	N83°26'08"W	5.37

LINE TABLE		
LINE	LENGTH	BEARING
L45	194.93	S89°36'07"E
L46	286.41	S89°36'07"E

QUARTER POINTS

C3	FL	ELEV.	C4	FL	ELEV.
	7	5666.84		10	5665.64
	8	5666.73		11	5665.87
	9	5666.62		12	5666.10

C6	FL	ELEV.	C7	FL	ELEV.
	7	5673.94		10	5675.19
	8	5673.84		11	5677.83
	9	5673.74		12	5676.97

C8	FL	ELEV.
	13	5675.33
	14	5675.24
	15	5675.15

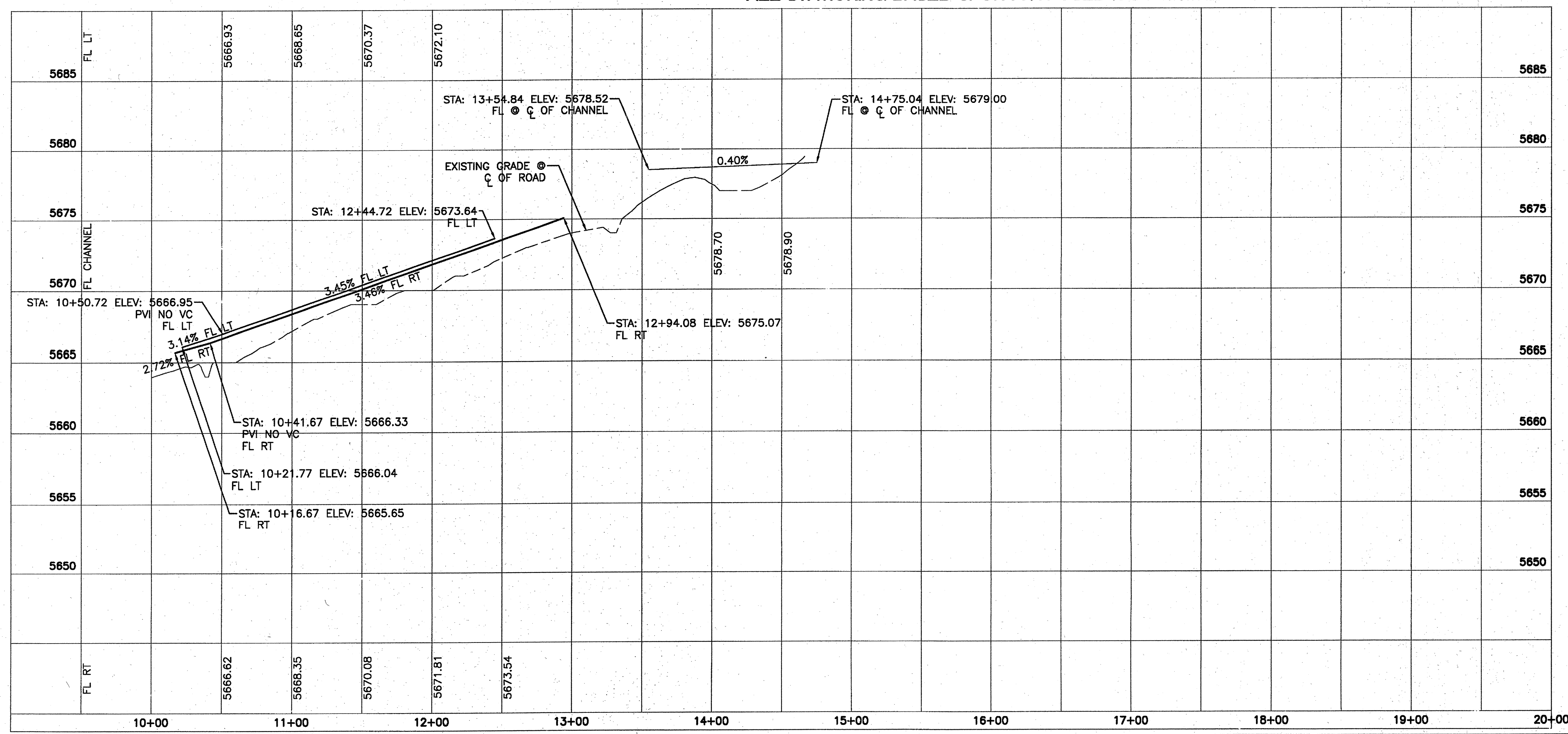
I, DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE CONCRETE CHANNELS INSTALLED AS A PART OF THIS PROJECT HAVE BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, COUNTY AND ABCWUA 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 DAVID VIGIL NMPS 8911.



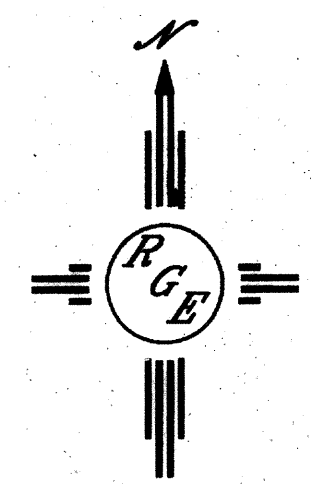
- KEYED NOTE:**
- A 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
 - B 6' CRUSHER FINE PATH
 - C STANDARD C&G PER COA STD DWG #2415A
 - D HANDICAP RAMP SEE DETAIL SHEET 6

- NOTE:**
- SEE MASTER PAVING DETAIL SHEET 6 FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
 - ALL CURB AND GUTTER ARE TO BE STANDARD UNLESS OTHERWISE NOTED.

CIELITO NORTE AVENUE
STA: 10+00.00 TO 14+75.04
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



Record Drawing



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

BERNALILLO COUNTY PUBLIC WORKS DIVISION ENGINEERING GROUP	
TITLE: CIELO ESTATES PAVING IMPROVEMENTS CIELITO NORTE AVENUE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
Bernalillo County	
CITY PROJECT NO. 729182	ZONE MAP NO. D-21-Z
SHEET 9	OF 20

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS STA	DATE	FIELD NOTES	NO.	DAVID SOULE	14522
WORK	DATE	X =	DATE	BY	DATE	REGISTERED	PROFESSIONAL
STAMPED BY	DATE	Y =	DATE				
APPROVED BY	DATE	ELEV	DATE				
FIELD	DATE		DATE				
ADJUSTED	DATE		DATE				
REVISIONS	DATE		DATE				
CORRECTED BY	DATE		DATE				
MICRO-FILM INFORMATION	DATE		DATE				
RECORDED BY	DATE		DATE				
NO.							

LINE TABLE		
LINE	LENGTH	BEARING
L47	173.07	S89°35'55"E
L48	169.08	S89°35'28"E

Plan view of a road layout showing two main sections: "CIELITO OESTE" and "CIELITO ESTE". The layout includes stationing, offsets, and curve data for both sections. Key features include a central "ACCESS BASELINE" and various numbered points (1-9) along the curves. Handwritten notes and numbers are present throughout the drawing.

Left Section (CIELITO OESTE):

- STA: 10+00.01 PT
OFFSET: 15.98 L
FL=5666.32
- EQUATION:
STA: 10+00.00 CIELITO OESTE=
STA: 13+98.88 CIELITO AZUL
- STA: 10+04.00 PT
OFFSET: 16.00 R
FL=5666.32

Right Section (CIELITO ESTE):

- STA: 11+92.48 PRC
OFFSET: 25.23 L
FL=5675.46
- STA: 11+73.08 PC
OFFSET: 16.00 L
FL=5674.19
- STA: 11+92.48 PRC
OFFSET: 25.23 R
FL=5675.08
- STA: 12+23.52
OFFSET: 0.00 R
END 6' CRUSHER FINE PATH TO BE BUILT W/THIS PROJECT

Central Features:

- ACCESS BASELINE
- Points 1 through 9 along the curves
- Handwritten numbers: 6640, 6643, 7525, 7522

KEYED NOTE:

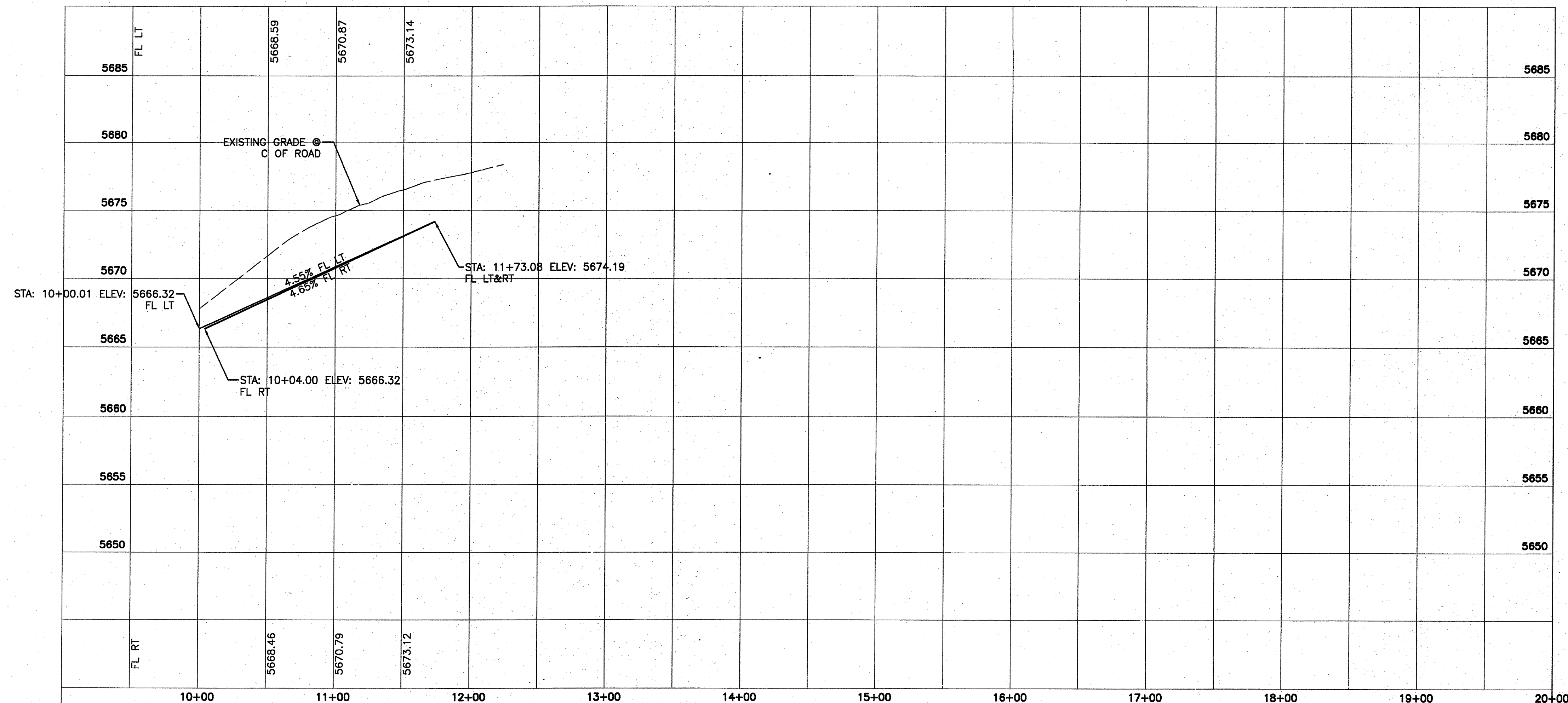
(A) 6' CRUSHER FINE PATH

(B) STANDARD C&G PER COA STD DWG #2415A

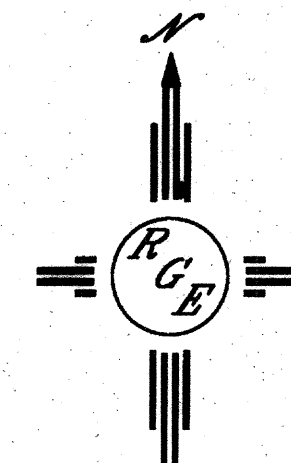
NOTE:

1. SEE MASTER PAVING DETAIL SHEET 6 FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE STANDARD UNLESS OTHERWISE NOTED.

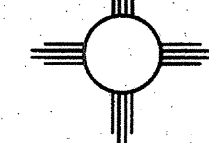
CIELITO OESTE AVENUE
STA: 10+00.00 TO 12+23.52
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**

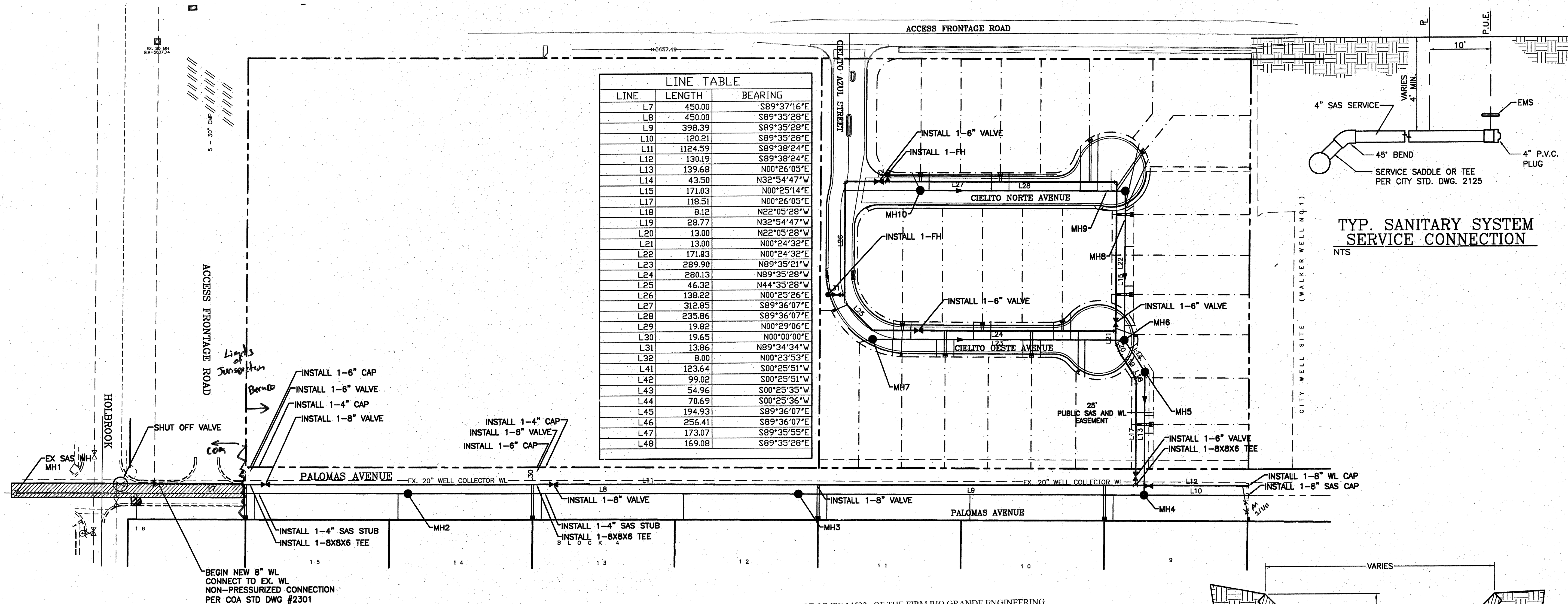


Record Drawing



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

	<i>Rio Grande Engineering</i>							NO.	DATE	DESIGNED BY: W.	DRAWN BY: W.	DRAWN NAME	CHECKED BY:
	1808 CENTRAL AVENUE SE SUITE 101 ALBUQUERQUE, NM 87106 (505) 875-0069												
BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING GROUP													
TITLE: <i>CIELO ESTATES</i> <i>PAVING IMPROVEMENTS</i> <i>CIELITO OESTE AVENUE</i>													
DESIGN REVIEW COMMITTEE				CITY ENGINEER APPROVAL				LAST DESIGN UPDATE		MO./DAY/YR.		MO./DAY/YR.	
Bernalillo County				County									
CITY PROJECT NO. <i>ZZ9182</i>				ZONE MAP NO. <i>D-21-Z</i>				SHEET		OF			
								<i>10</i>		<i>20</i>			



WATER SHUTOFF NOTES:

1. ONLY WATER AUTHORITY PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY ABCWUA (PHONE 857-8200)
SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER
SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES CIRCLED IN THE PLAN VIEW.

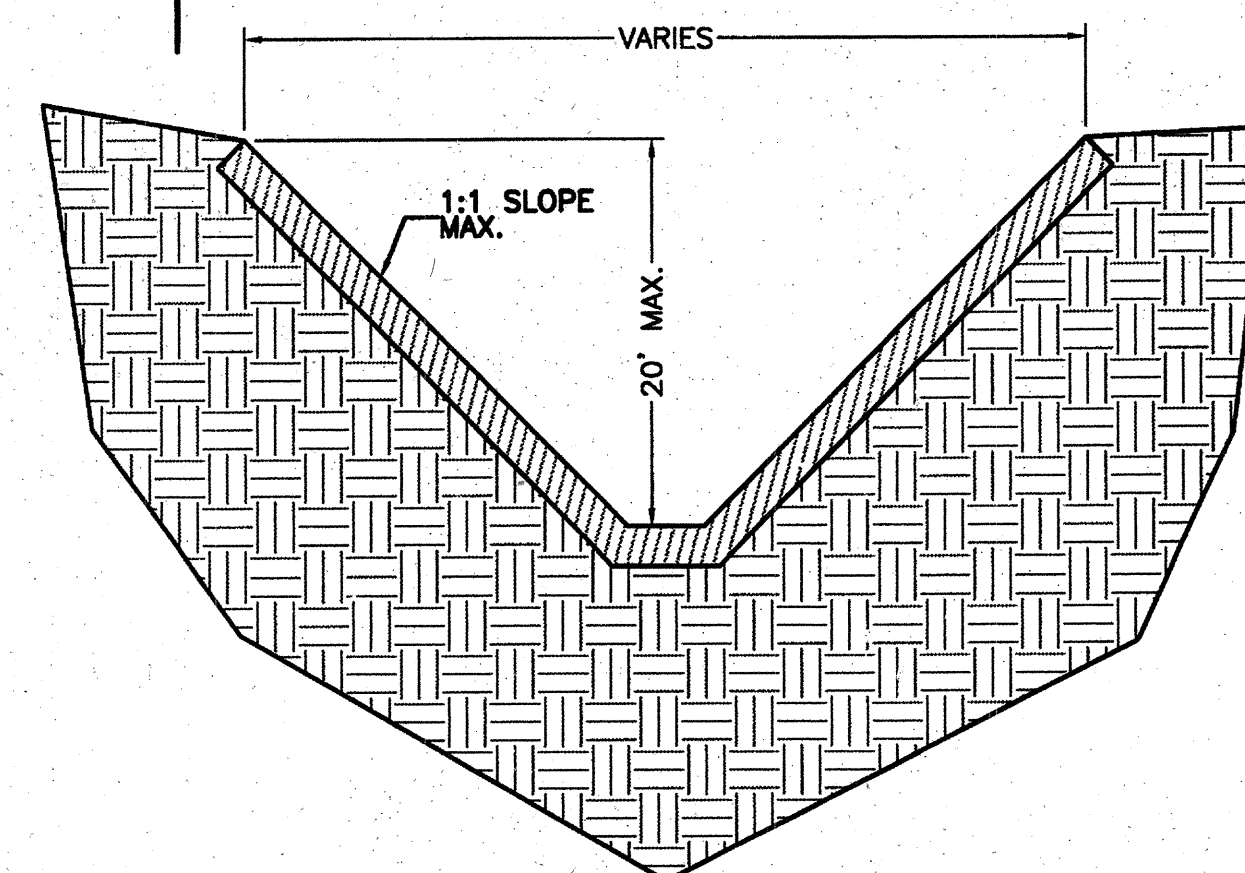
LEGEND

- | | | | |
|-------|------------|-----|------------------------------|
| --- | EX. 12" SD | --- | EXISTING STORM SEWER LINE |
| ○ | | | EXISTING SAS MANHOLE |
| --- | EX. 8" SAS | --- | EXISTING SANITARY SEWER LINE |
| ⋈ | | | EXISTING VALVE W/BOX |
| --- | EX. 6" WL | --- | EXISTING WATER LINE |
| ⬢ | | | PROPOSED METER |
| ● | | | PROPOSED FIRE HYDRANT |
| --- | | | EXISTING EDGE OF PAVEMENT |
| ===== | | | PROPOSED CURB & GUTTER |
| --- | | | BOUNDARY LINE |
| --- | | | CENTERLINE |
| --- | | | RIGHT-OF-WAY |
| --- | | | LOT LINES |
| ☼ | | | STREET LIGHTS |
| ▨ | | | |
- CONTRACTOR SHALL REMOVE AND REPLACE PAVING
PER COA STD DRAW #2465 (COLLECTOR).

NOTICE TO CONTRACTORS

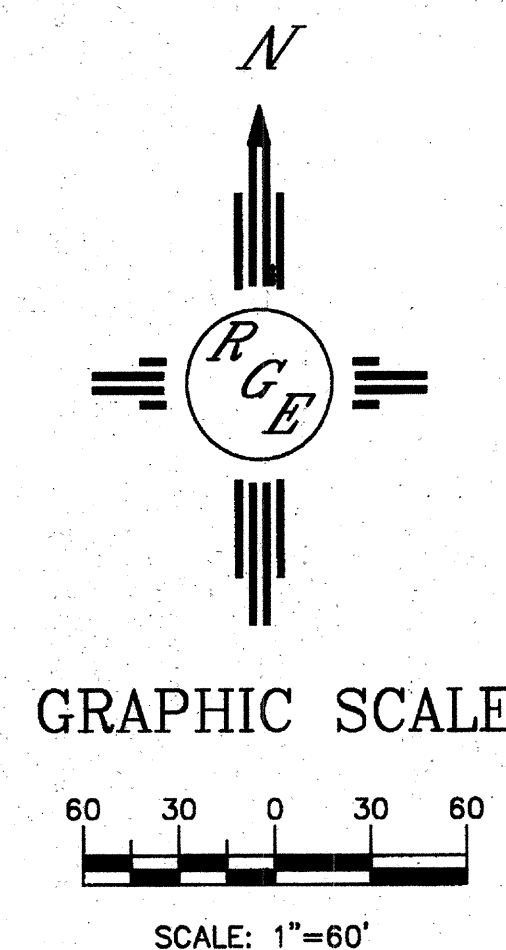
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN BERNALILLO COUNTY EASEMENT. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1998, INCLUDING UPDATES 1 THROUGH 7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
4. 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.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE ABCWUA
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
8. 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.
9. CONTRACTOR SHALL PLAN ALL EXCAVATION TO MINIMIZE INTERFERENCE OR DAMAGE OF UNDERGROUND FACILITIES.
10. 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.

11. 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.
12. CONTRACTOR SHALL PROVIDE SUPPORT FOR EXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA AS NECESSARY TO PREVENT DAMAGE TO SAID FACILITIES.
13. 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.
14. CONTRACTOR SHALL IMMEDIATELY NOTIFY BY TELEPHONE THE OWNER/OPERATOR OF ANY UNDERGROUND FACILITY WHICH MAY HAVE BEEN DAMAGED OR DISLODGED DURING EXCAVATION WORK.
15. 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.
16. EMS'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.
17. THE WATER AUTHORITY (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. ONLY WATER AUTHORITY CREWS MAY OPERATE PUBLIC VALVES.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.6450 SUBPART P.
19. ALL IMPACTED STRIPING SHALL BE REPLACED BY CONTRACTOR.
20. MANHOLE STEPS SHALL NOT BE INSTALLED IN SANITARY SEWER MANHOLES.
21. ALL WATER SERVICES SHALL BE 3/4" IN SIZE.

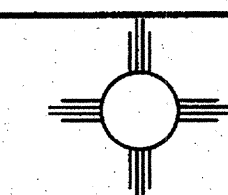


SUPPLEMENTAL TRENCH DETAIL

NOTE: ENTIRE TRENCH PRISM SHALL BE COMPACTED AT 95% ASTM D1557 INCLUDING ALL UTILITY MAIN LINES, WATER METER BOXES AND SERVICES, SAS SERVICES.



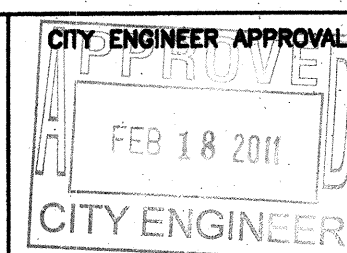
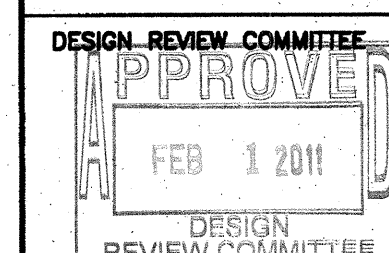
Record Drawing



Rio Grande Engineering
2105 GOLF COURSE ROAD
SUITE B
RIO RANCHO, NM 87124
(505) 872-0992

ABCWUA
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CIELO ESTATES**
MASTER UTILITY PLAN



CITY PROJECT NO.

729182

ZONE MAP NO.
D-21-7

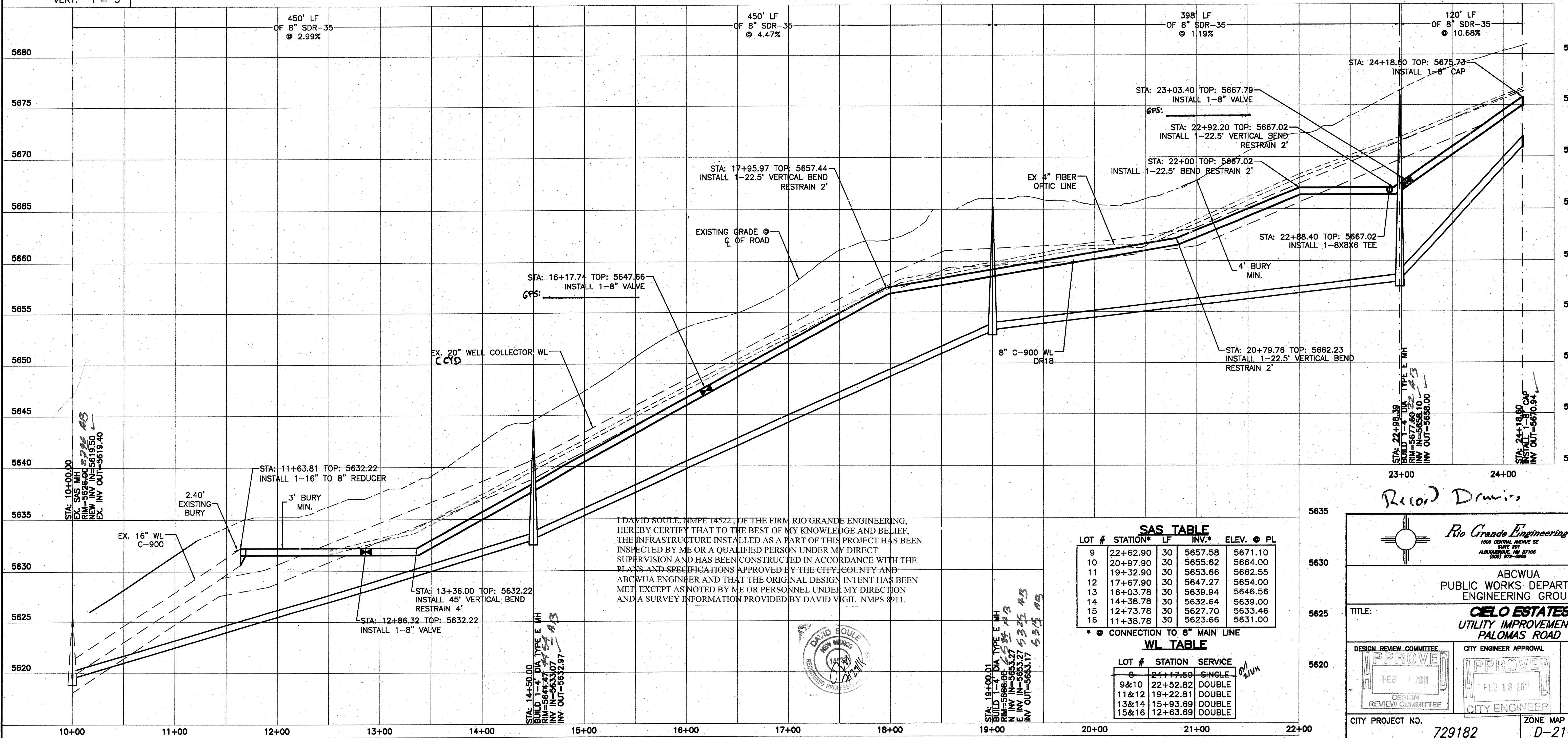
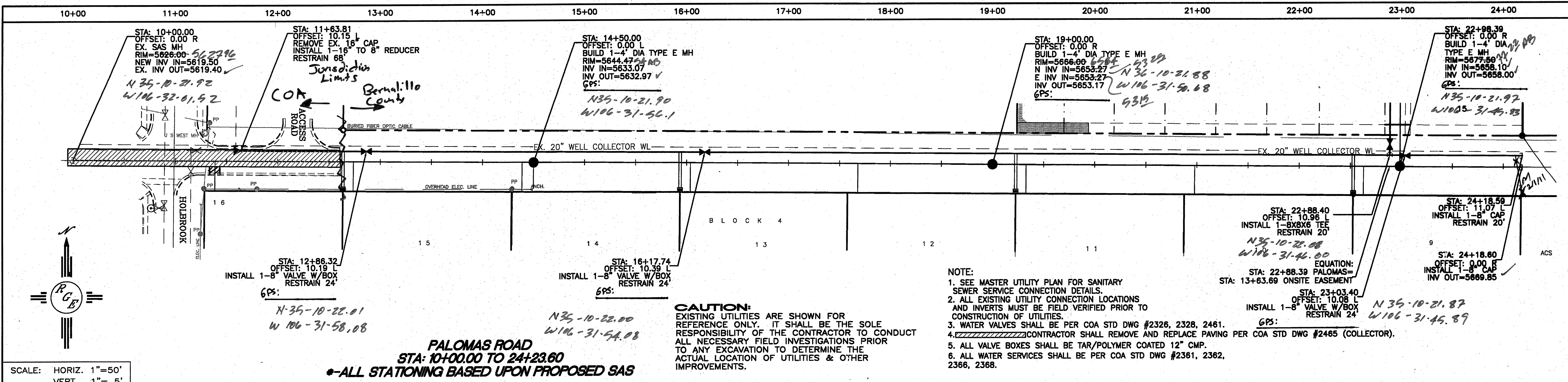
	S
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SHEET

11

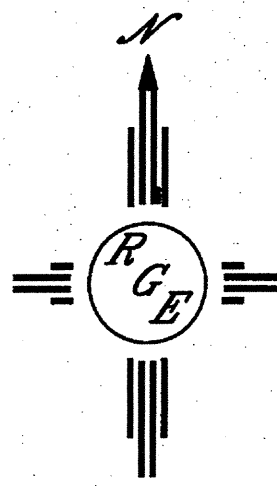
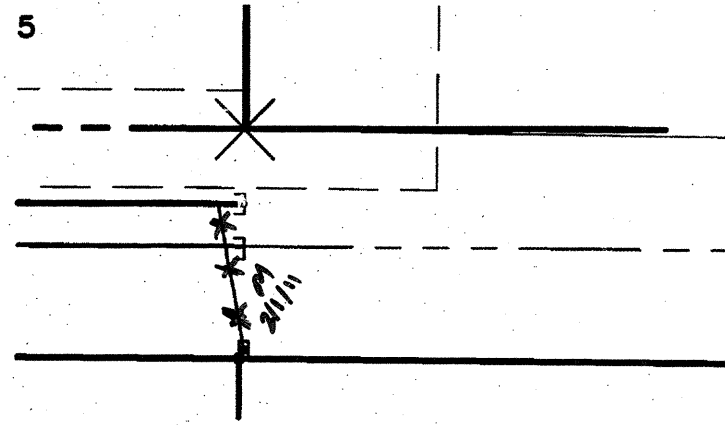
OF 20

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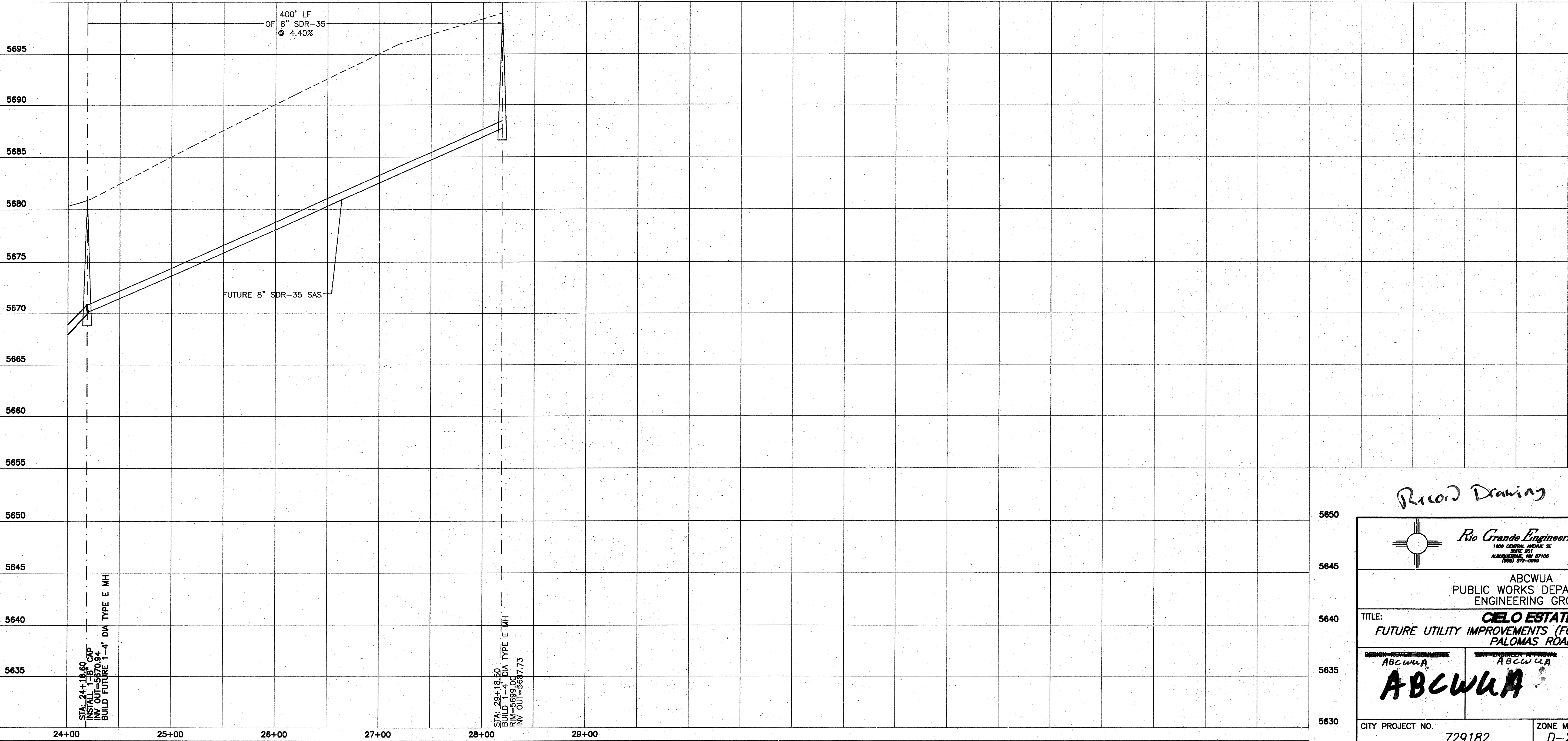


AS BUILT INFORMATION CONTRACTOR: <i>Cobalt</i> WORK STARTED BY: <i>Cobalt</i> DATE: <i>2-11</i> ASSESSMENT BY: <i>Cobalt</i> DATE: <i>2-11</i> FIELD VERIFICATION BY: <i>Cobalt</i> DATE: <i>2-11</i> CORRECTED BY: <i>Cobalt</i> DATE: <i>2-11</i> MICRO-FILM INFORMATION RECORDED BY: <i>Cobalt</i> DATE: <i>2-11</i> NO.	
BENCH MARKS ACS STA "5.021" X = 1593341.366 Y = 1522686.615 ELEV = 5744.493 MWD 1988 Δ = -0929.82" G-G 0.999938801 NEW MEXICO STATE PLANE GRID, CENTRAL ZONE NAD 1983 DATUM	
SURVEY INFORMATION FIELD NOTES NO. BY DATE NO. BY DATE	
ENGINEER'S SEAL 	
REVISIONS NO. DATE NO. DATE	
DESIGN DESIGNED BY: <i>WCWJ</i> DATE: 1-17-11 DRAWN BY: <i>WCWJ</i> DATE: 1-17-11 DRAWN NAME: 2654-DRG-3-19-074.DWG CHECKED BY: <i>DS</i> DATE: 1-18-11	
APPROVE DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL CITY PROJECT NO. <i>729182</i> ZONE MAP NO. <i>D-21-Z</i> SHEET <i>12</i> OF <i>20</i>	

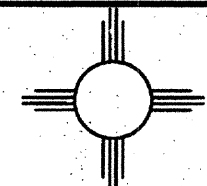
24+00 25+00 26+00 27+00 28+00 29+00



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



Record Drawing

 **Rio Grande Engineering**
1000 CENTRAL AVENUE, S.E.
SUITE 301
ALBUQUERQUE, NM 87106
(505) 274-2866

ABCWUA
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

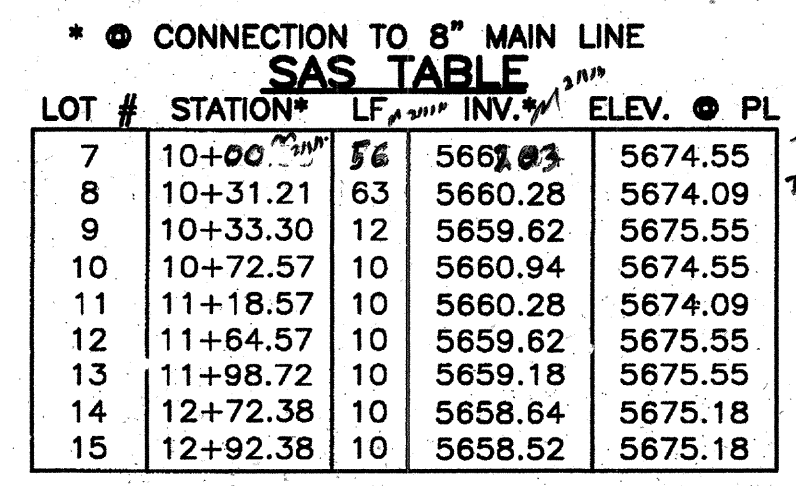
TITLE: **CELO ESTATES**
FUTURE UTILITY IMPROVEMENTS (FOR REFERENCE ONLY)
PALOMAS ROAD

DESIGNED BY: WCMJ	DATE: 1-17-11
DRAWN BY: WCMJ	DATE: 1-17-11
DRAWN NAME: 2654-DRC-3-19-07X.DWG	JOB NO.: 2654
CHECKED BY: DS	DATE: 1-18-11

LAST DESIGN UPDATE

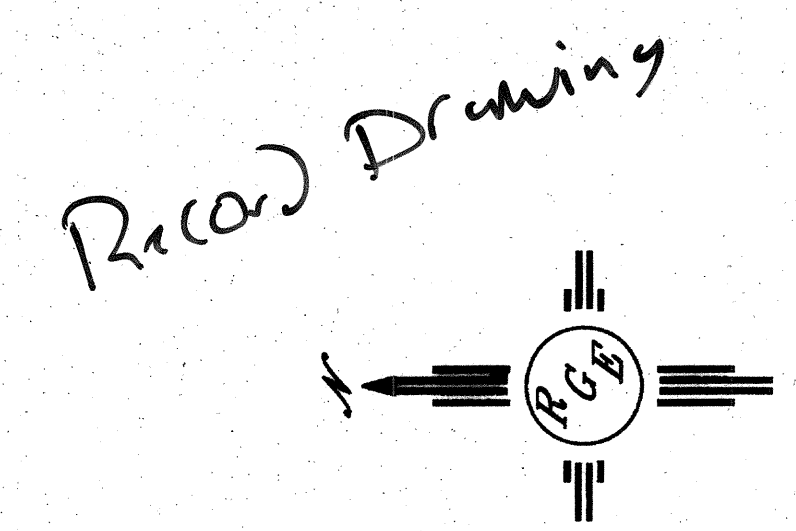
MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. **729182** ZONE MAP NO. **D-21-Z** SHEET **13** OF **20**

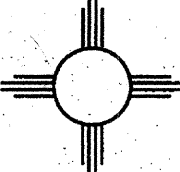


I DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY, COUNTY AND ABCWA 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 DAVID VIGIL NMPS 8911.

ONSITE EASEMENT
STA: 10+00.00 TO 13+63.38
***-ALL STATIONING BASED UPON PROPOSED WATERLINE**



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

	Rio Grande Engineering 1806 CENTRAL AVENUE SE SUITE 107 ALBUQUERQUE, NM 87108 (505) 875-0095	VERT. 1	PLAN 1	NO.	DATE	DESIGNED BY:	DRAWN BY:	DRAWN NAME:	CHECKED BY:
ABCWUA PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: CELO ESTATES UTILITY IMPROVEMENTS ONSITE EASEMENT									
DESIGN-CONSTRUCTION PERMIT ABCWUA	CELO ESTATES DEVELOPMENT ABCWUA	LAST DESIGN UPDATE		MO./DAY/YR.	MO./DAY/YR.				
									
CITY PROJECT NO.		ZONE MAP NO.		SHEET		OF			
729182		D-21-Z		14		20			

10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00
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* @ CONNECTION TO 8" MAIN LINE

LOT #	STATION*	LF	INV.	ELEV. @ P
16	12+98.20	42	559.68	5671.08
17	12+46.86	20	559.97	5681.97
18	12+26.86	20	560.09	5689.97
19	11+47.36	20	560.56	5665.33
20	11+27.36	20	560.68	5665.33
21	10+76.61	20	560.99	5661.86
+22	10+53.62	17	561.22	5661.86
23	10+77.75	25	590.98	5662.05
24	10+97.75	20	560.86	5662.05
25	11+69.75	20	560.43	5666.31
26	11+89.75	20	560.31	5666.31
27	12+61.75	20	559.88	5671.58
28	12+81.75	20	559.76	5671.58

+-SAS SERVICES SHALL BE INSTALLED IN MH
PER COA STD DWG #2118

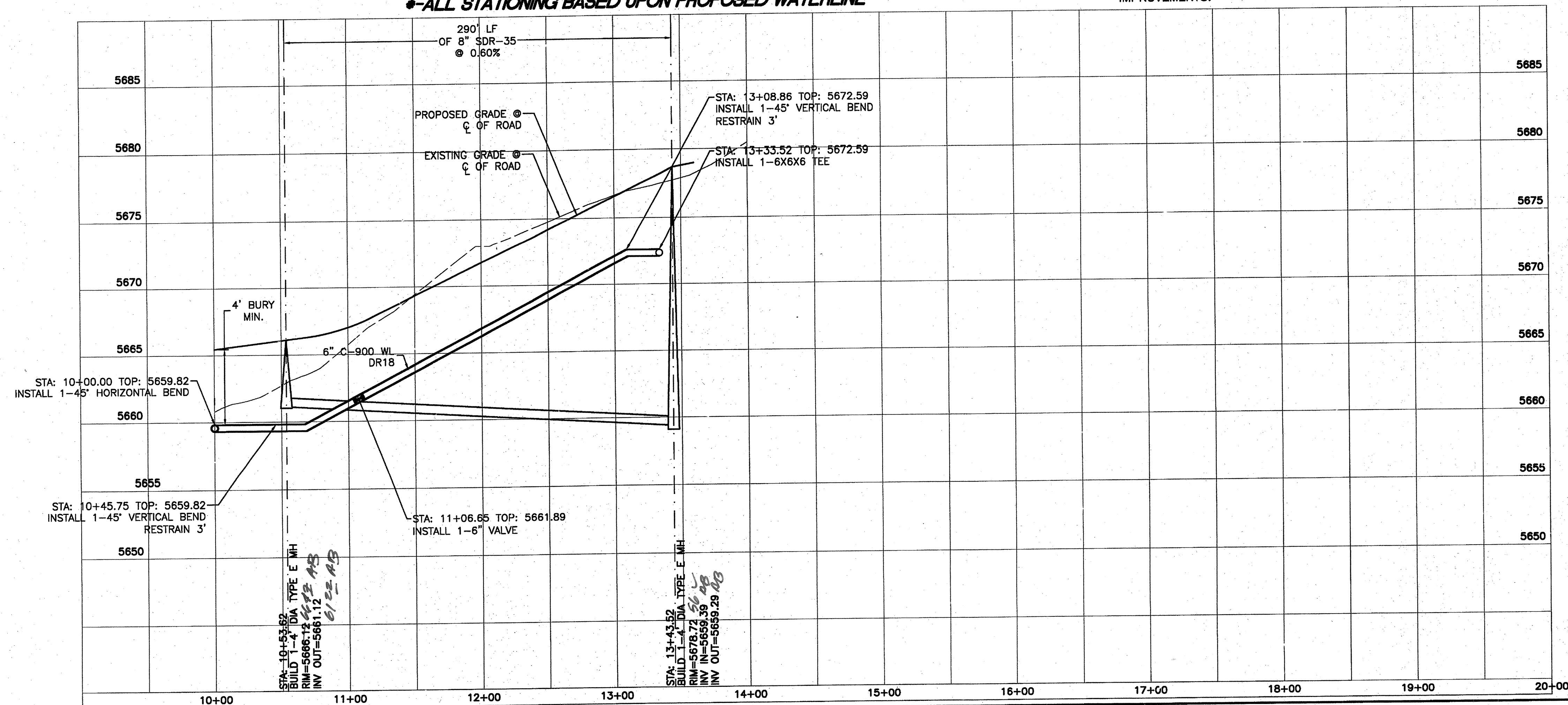
NOTE:

1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF UTILITIES.
3. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
4. ALL VALVE BOXES SHALL BE TAR/POLYMER COATED 12" CMP.
5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368.
6. 10TS 14&15 METER BOXES SHALL HAVE TRAFFIC RATED HEAVY DUTY LIDS.

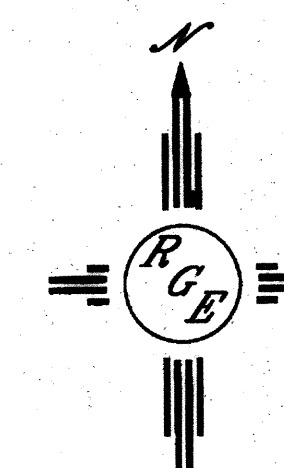
CAUTION: EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

N 35-10-23.61
w 106-31-46.16

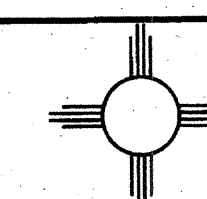
***-ALL STATIONING BASED UPON PROPOSED WATERLINE**



Record Drawing



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



Rio Grande Engineering
1806 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0888

ABCWUA
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CIELO ESTATES**
UTILITY IMPROVEMENTS
CIELO OESTE AVENUE

DESIGN REVIEW COMMITTEE ABC WUA	CONTRACT ENGINEER ABC WUA
------------------------------------	------------------------------

ABC WWA

CITY PROJECT NO. 729182

ZONE MAP NO.
D-21-Z

SHEET	OF
15	20

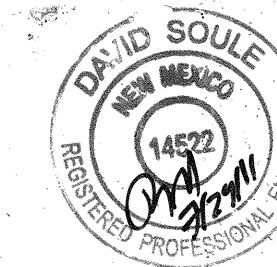
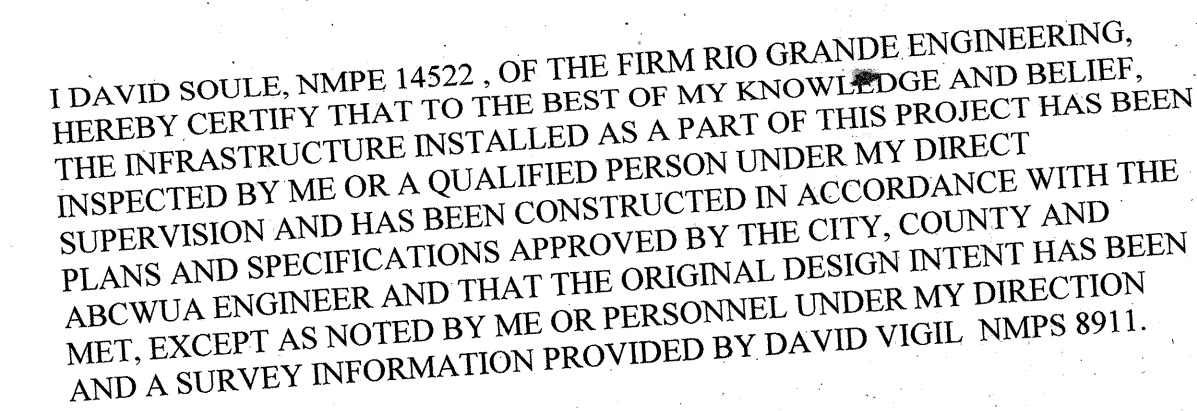
AS BUILT INFORMATION
CONTRACTOR <i>COBALT</i>
WORK ORDER NO. <i>1000</i>
INSTALLED BY <i>CSY</i> DATE <i>2-11</i>
INSPECTOR'S ACCEPTANCE BY <i>CSY</i> DATE <i>2-11</i>
FIELD VERIFICATION BY <i>CSY</i> DATE <i>2-10</i>
REVISIONS
REVISIONS CORRECTED BY <i>CSY</i> DATE <i>2-11</i>
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS STA "5_C21"
X = 1558341.366
Y = 1522989.615
ELEV=5744.493 NAVD 1983
Δα -09°29'82"
ΔG-G 0.999636801
NEW MEXICO STATE PLANNED
GRID, CENTRAL ZONE

[illegible][illegible]

DESIGNED BY: WCMJ	DATE: 1-17-11
DRAWN BY: WCMJ	DATE: 1-17-11
DRAWN NAME: 2654-DRC-3-19-07X.DWG	
JOB NO.: 2654	

10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00
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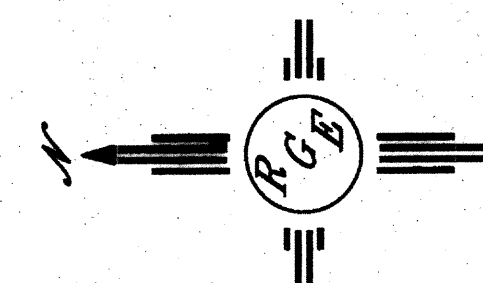
CAUTION:
EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

Profile view of a road section showing existing and proposed grades, vertical and horizontal bends, and stationing from 10+00 to 20+00.

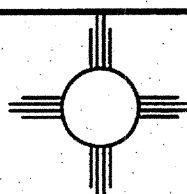
Key features and data points:

- Existing Grade:** Represented by a solid line.
- Proposed Grade:** Represented by a dashed line.
- Proposed 18" SD Crossing:** Indicated by a vertical line at approximately station 10+05.
- 6" C-900 WL DR18:** Indicated by a vertical line at approximately station 10+05.
- Vertical Bends:**
 - STA: 11+03.07 TOP: 5661.82 INSTALL 1-45° VERTICAL BEND RESTRAIN 3'
 - STA: 11+06.96 TOP: 5657.93 INSTALL 1-45° VERTICAL BEND RESTRAIN 3'
 - STA: 11+24.96 TOP: 5657.93 INSTALL 1-45° VERTICAL BEND RESTRAIN 3'
 - STA: 11+26.85 TOP: 5659.82 INSTALL 1-45° VERTICAL BEND RESTRAIN 3'
- Horizontal Bend:**
 - STA: 11+86.86 TOP: 5659.82 INSTALL 1-45° HORIZONTAL BEND
- Stationing:** 10+00, 11+00, 12+00, 13+00, 14+00, 15+00, 16+00, 17+00, 18+00, 19+00, 20+00.
- Elevation:** 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685.

Record Drawing



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

	<i>Rio Grande Engineering</i>				DATE	DESIGNED BY
	180° CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0999					
ABCWUA PUBLIC WORKS DEPARTMENT ENGINEERING GROUP						
TITLE: <i>CIELO ESTATES</i> <i>UTILITY IMPROVEMENTS</i> <i>CIELITO AZUL STREET</i>						
DESIGN-BEFORE-COMMITTEE	OWN-ENGINEER-APPROVAL	LAST DESIGN UPDATE YR.	MO./DAY/YR.	MO./DAY/YR.		
ABCWUA	ABCWUA					
<i>ABCWUA</i>						
CITY PROJECT NO.		ZONE MAP NO.	SHEET	OF		
729182		D-21-Z	16	20		

10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00
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LOT #	STATION	SERVICE
1&2	11+04.62	DOUBL
3&4	11+96.62	DOUBL
5&6	12+98.61	DOUBL
7&8	13+34.81	DOUBL

* CONNECTION TO 8" MAIN LINE

LOT #	STATION*	LF	INV.*	ELEV. ●	PL
+1	10+94.63	20	5663.44	5665.00	
+2	11+14.63	20	5663.28	5665.00	
3	11+86.63	20	5662.85	5668.16	
4	12+06.63	20	5662.73	5668.16	
5	12+88.62	51	5662.24	5673.12	
6	13+08.62	65	5662.12	5673.12	
7	13+23.64	66	5661.93	5674.86	
8	13+20.63	66	5661.92	5674.86	
9	13+30.65	36	5664.85	5672.97	

+--SAS SERVICES SHALL BE INSTALLED IN MH
PER COA STD DWG #2118

1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF UTILITIES.
3. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
4. ALL VALVE BOXES SHALL BE TAR/POLYMER COATED 12" CMP.
5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368.

236' LF
8" SDR-35
@ 0.60%

PROPOSED GRADE @
C OF ROAD

EXISTING GRADE @
C OF ROAD

3' BURY
MIN.

6" C-900 WL
DR18

STA: 10+17.60 TOP: 5662.15
INSTALL 1-90° HORIZONTAL BEND

STA: 10+66.63 TOP: 5663.92
INSTALL 1-6X6X3 TEE

STA: 10+56.63 TOP: 5662.56
INSTALL 1-6" VALVE

STA: 13+30.93 TOP: 5672.59
INSTALL 1-90° HORIZONTAL BEND

STA: 11+04.63
INlet DIA. TYPE E MH
RUB=5668.34
INV=5663.34
OUT=5663.43
4343

STA: 13+40.93
INlet DIA. TYPE E MH
RUB=5671.13
INV N=5661.93
INV OUT=5661.83
4343

5685

5680

5675

5670

5665

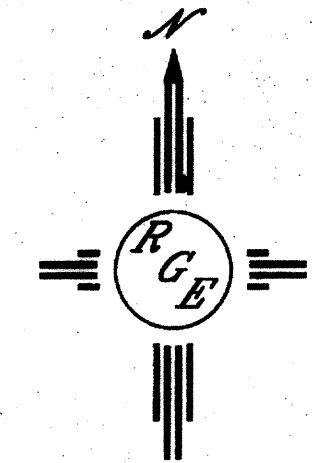
5660

5655

5650

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

Record Drawing



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

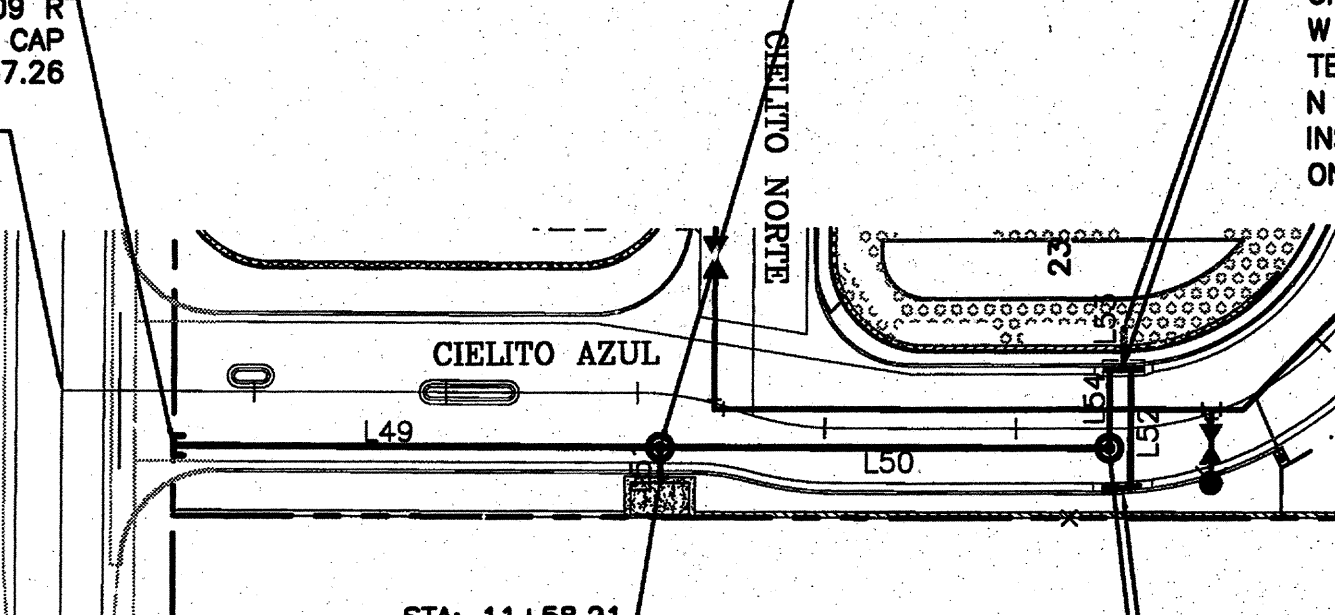
	Rio Grande Engineering 1803 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 572-0099		NO.	DATE	DESIGNED BY DRAWN BY DRAWN NAME CHECKED BY
ABCWUA PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CIELO ESTATES UTILITY IMPROVEMENTS CIELITO NORTE AVENUE					
DESIGN-REVIEW-CONSUMER ABCWUA	SUPERVISOR/ENGINEER-APPROVAL ABCWUA	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.	
					
CITY PROJECT NO. 729182		ZONE MAP NO. D-21-Z	SHEET 17 OF 20		

SCANNED BY
PLANNING

LINE TABLE		
LINE	LENGTH	BEARING
L49	126.89	S00°23'53"W
L50	117.43	S00°25'26"W
L51	8.98	S89°40'19"E
L52	28.07	S89°34'09"E
L53	9.92	S89°34'09"E
L54	19.58	S89°34'34"E

STA: 10+29.05
OFFSET: 14.09 R
INSTALL 30" RCP CAP
INV=5657.26

STA: 10+00.00
OFFSET: 0.00 R



STA: 11+58.21
OFFSET: 22.75 R
DAYLIGHT 30" RCP OUTFALL HDP
INV OUT=5659.16
BUILD CONCRETE WING AND HEAD WALL
AND 6" CURB
WITH CONCRETE APRON
AND 3" CONCRETE SCOUR WALL
SEE DETAIL THIS SHEET

STA: 11+57.09
OFFSET: 13.81 R
BUILD 1-6" DIA TYPE C SD MH
RIM=5666.34
S 36" RCP INV IN=5659.40 HDP
W 30" RCP INV OUT=5659.30 HDP
N 30" RCP INV OUT=5659.30 HDP
CONTRACTOR SHALL PLUG N INV

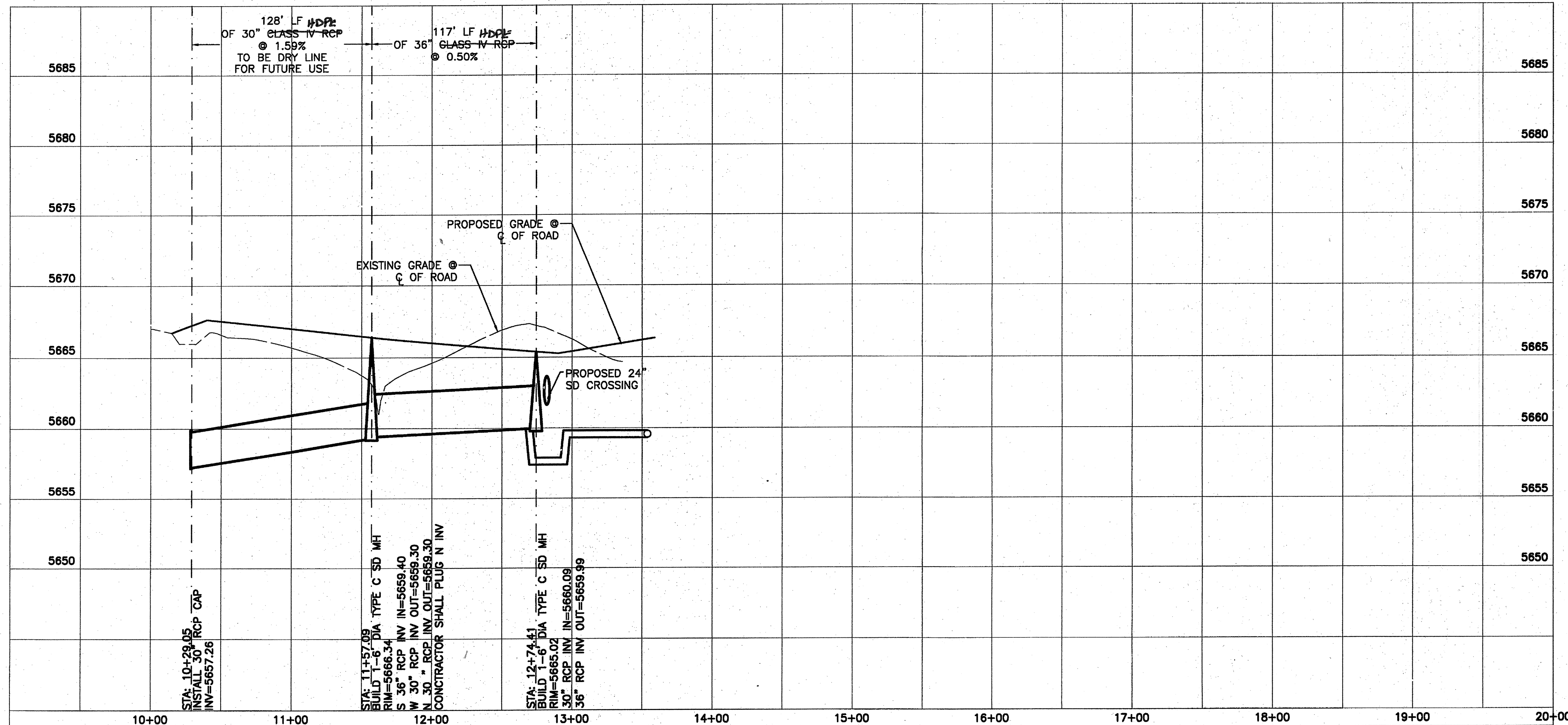
STA: 12+78.60
OFFSET: 25.92 L
BEGIN 30" RCP HDP
INV IN=5661.14

STA: 12+78.34
OFFSET: 16.00 L
BUILD 1-DOUBLE A INLET
GRATE=5664.89
W 24" INV IN=5661.49 (STA: 12+80.79)
TEMPORARY E 30" INV OUT=5661.29
N 30" INV OUT=5661.39 (STA: 12+74.41)
INSTALL 1-24" ORIFICE PLATE
ON N 30" INV-SEE DETAIL THIS SHEET

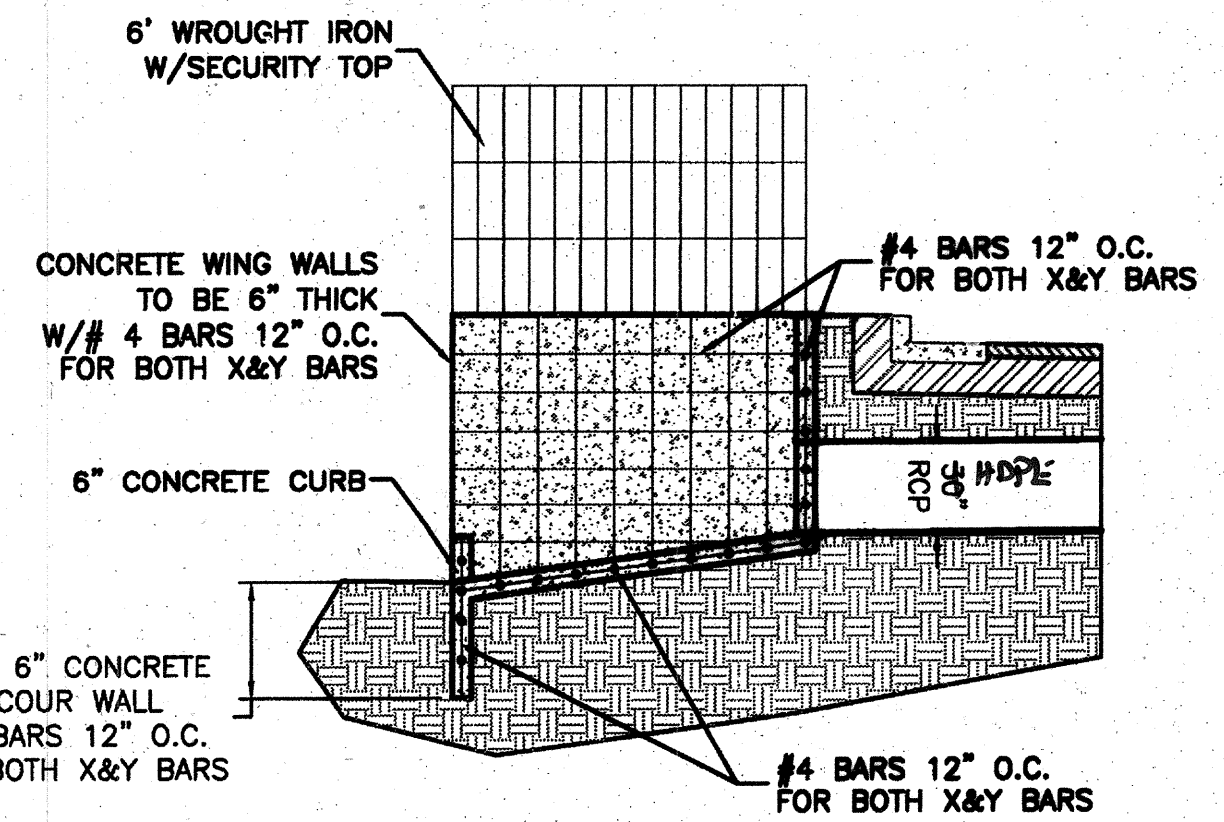
STA: 12+77.87
OFFSET: 15.87 R
BUILD 1-DOUBLE A INLET
GRATE=5665.14
24" INV OUT=5661.77 (STA: 12+79.86)

STA: 12+74.41
OFFSET: 5.00 R
BUILD 1-6" DIA TYPE C SD MH
RIM=5665.02
30" RCP INV IN=5660.09
36" RCP INV OUT=5659.99
HDP

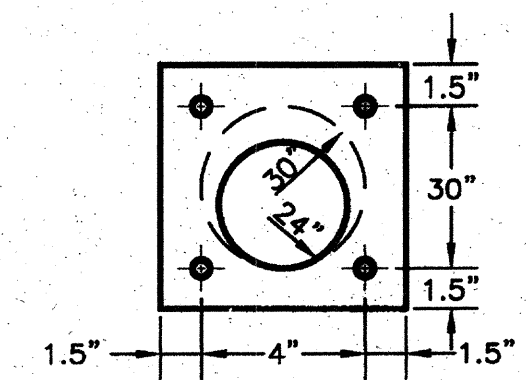
CIELITO AZUL STREET
STA: 10+00.00 TO 13+59.6
•-ALL STATIONING BASED UPON CENTERLINE



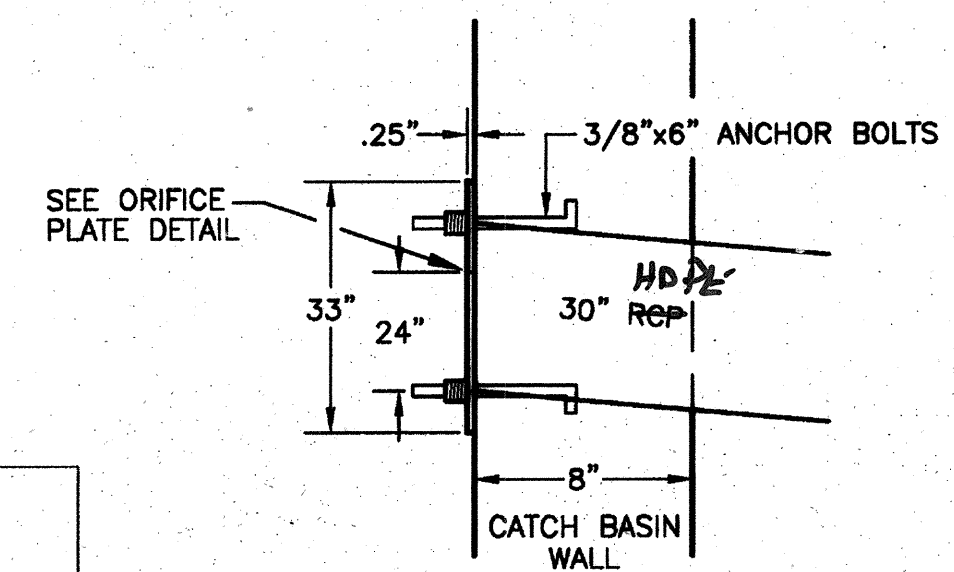
CAUTION:
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TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



SECTION E-E
NTS

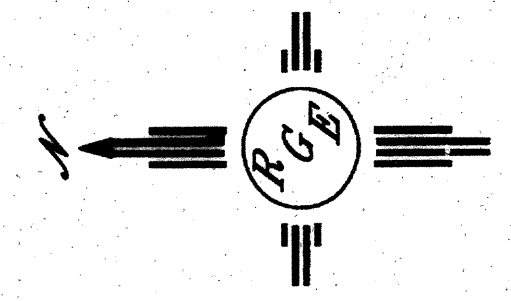


TYP. ORIFICE PLATE DETAIL
NTS



TO BE INSTALLED @ THE OUTFLOW
OF THE CATCH BASINS (SEE THIS PLAN
FOR ORIFICE PLATE SIZES)

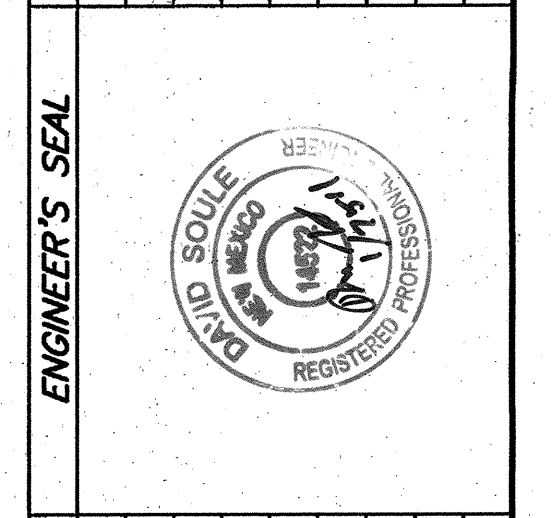
Record Drawing



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

Pio Grande Engineering 1001 CENTRAL AVENUE, SE SUITE 301 ALBUQUERQUE, NM 87106 (505) 878-2888	
ABCWUA PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: CIELO ESTATES STORM DRAIN IMPROVEMENTS CIELITO AZUL STREET	
DESIGNED BY: WCUJ DRAWN BY: WCUJ CHECKED BY: DS	NO. DATE REVISIONS DESIGN DATE: 1-17-11 DATE: 1-17-11 JOB NO.: 2854 DATE: 1-17-11
CITY PROJECT NO. 729182	ZONE MAP NO. D-21-Z
SHEET 18 OF 20	

AS BUILT INFORMATION	
CONTRACTOR	ABCWUA
WORK ORDER NO.	1568341.366
DATE	2-1-11
APPROVED BY	DATE: 2-1-11
FIELD ENGINEER	DATE: 2-1-11
DATE	DATE: 2-1-11
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	NO.



ENGINEER'S SEAL	
BY	DATE
NO.	DATE

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 96-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
- A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.
- CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER
- THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
- SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
- TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
- TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

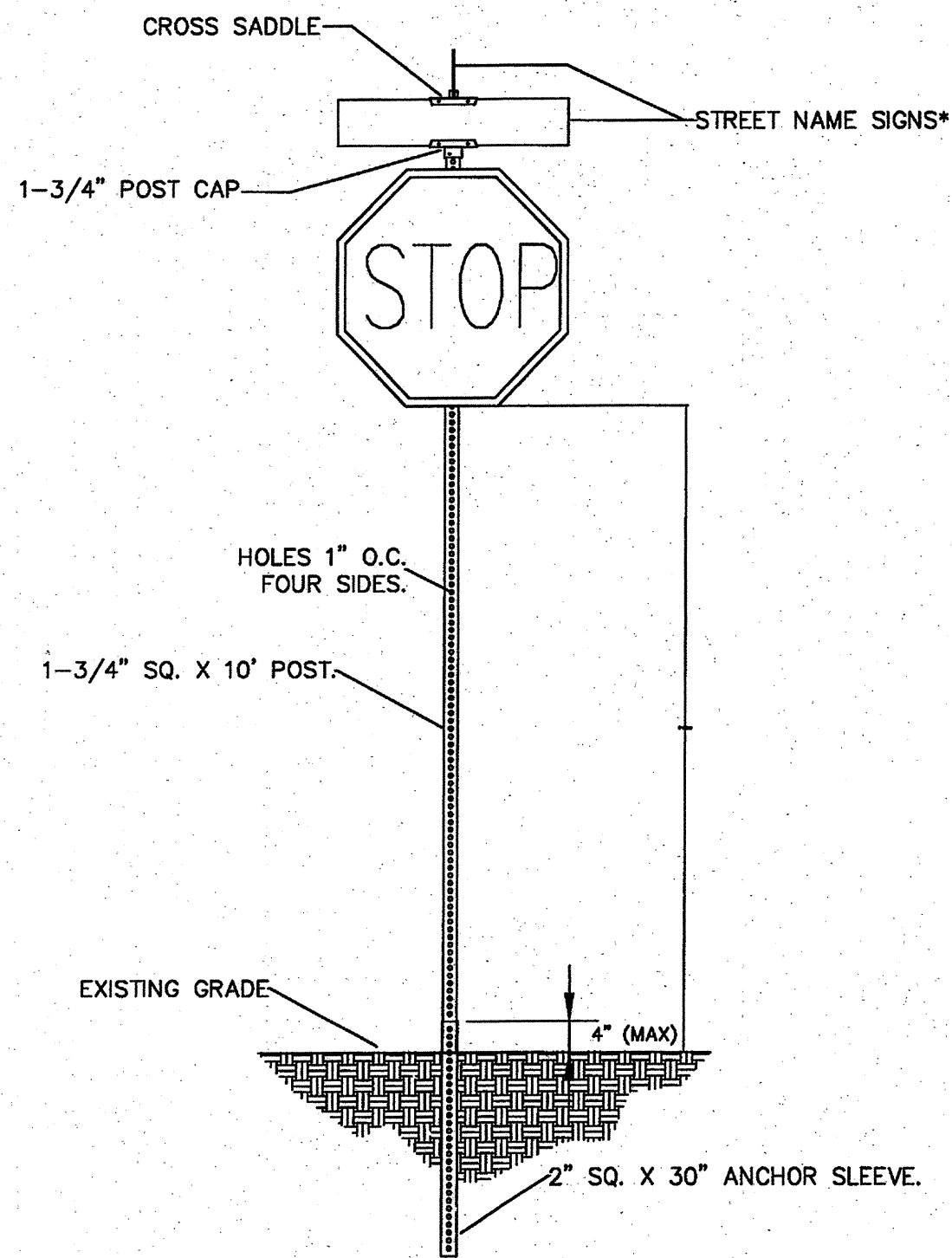
20. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

21. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

22. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

23. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET, SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

24. THE CONTRACTOR SHALL CONTACT BERNALILLO COUNTY TRAFFIC ENGINEER (848-1575) BEFORE REMOVING AND/OR INSTALLING ANY TRAFFIC SIGNS OR PERMANENT STRIPING AND MARKINGS. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, LEGENDS AND SYMBOLS ARE TO BE CONSTRUCTED OF INTERSECTION GRADE COLD PLASTIC AND LINE MARKINGS ARE TO BE CONSTRUCTED OF DURABLE PAINT IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. ANY PAVEMENT MARKINGS AND SIGNS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT EXISTING LOCATIONS. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE PROJECT.



SIGN POST DETAIL
SCALE: N.T.S.

*ALL STREET NAME SIGNS SHALL BE WHITE LETTERS ON GREEN BACKGROUND WITH HI INTENSITY REFLECTIVE SHEETING. ALL LETTERS SHALL BE 4" FOR POSTED SPEEDS OF 25 MPH AND BELOW AND 6" FOR POSTED SPEEDS GREATER THAN 25 MPH.
**SEE MUTCD FOR MINIMUM MOUNTING HEIGHT IN RURAL AREAS

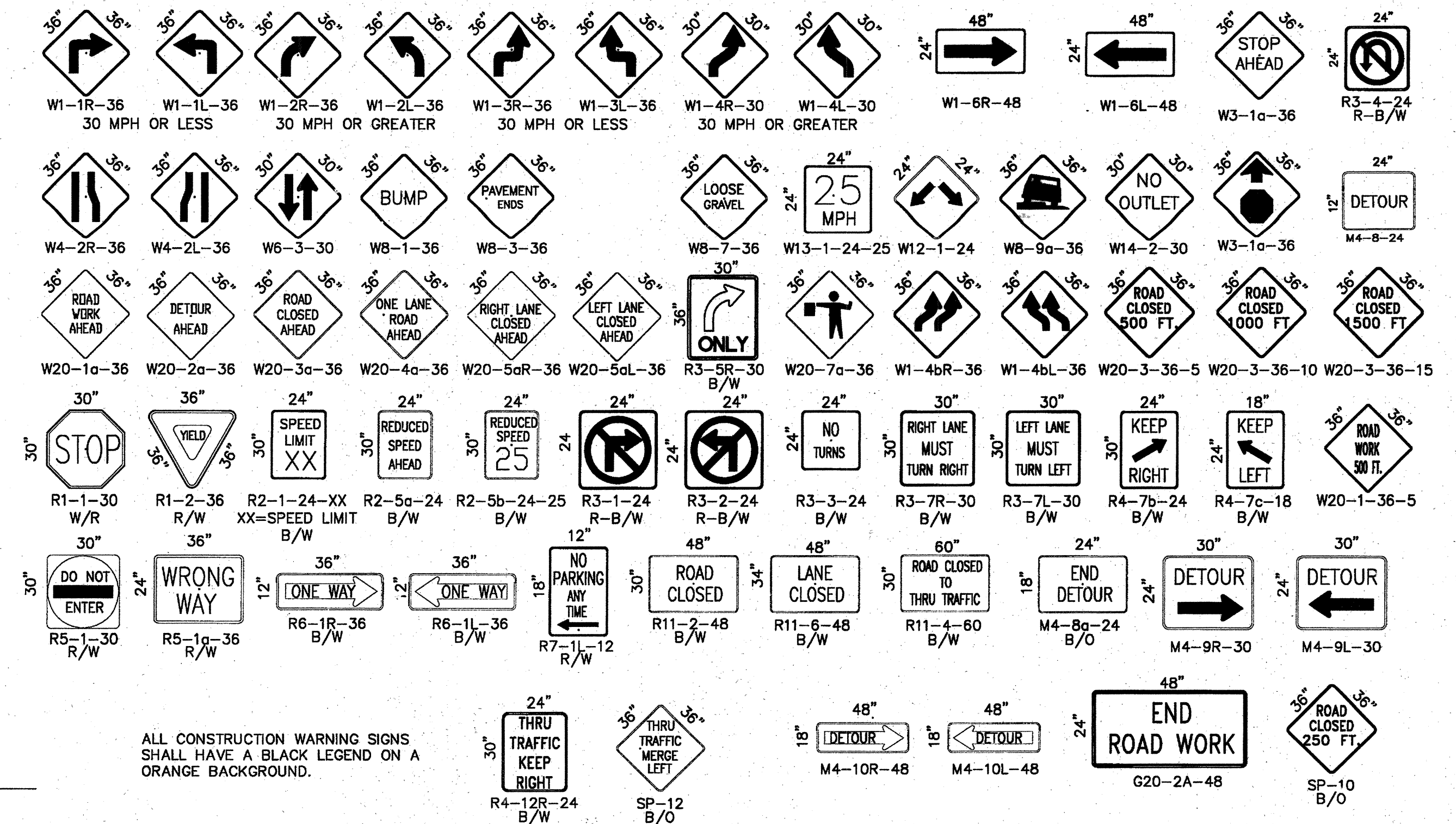
# OF POSTS	MAXIMUM SIGN SQUARE FOOTAGE
1	6
2	12
3	18

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING
 - BARRICADE - TYPE III
 - VERTICAL PANEL
 - WARNING SIGN
 - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
 - FLAGMAN POSITION
 - SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
 - TAPER LENGTH - SEE CHART BELOW

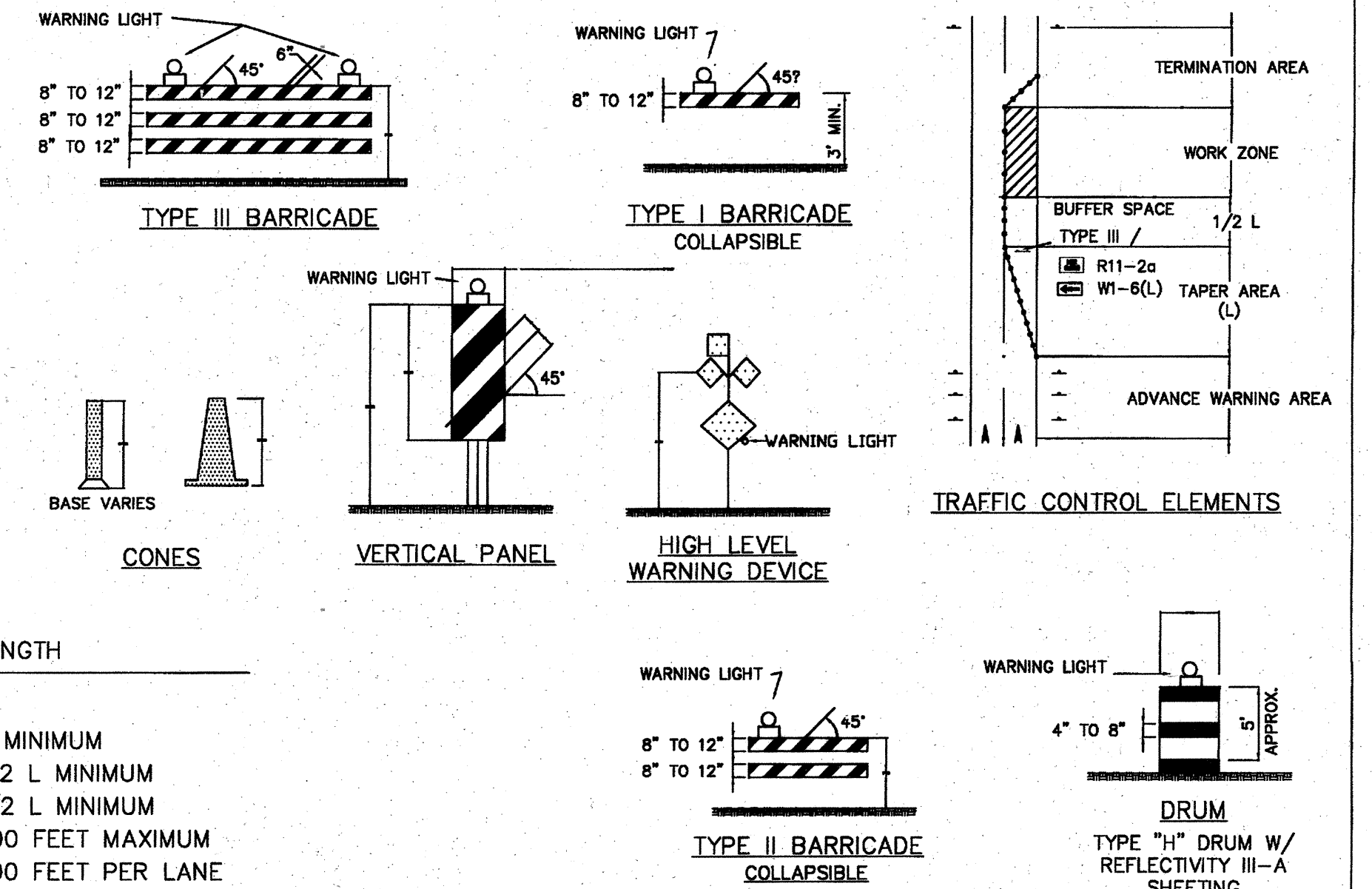
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

ENGR. FILE : XXXXXX

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



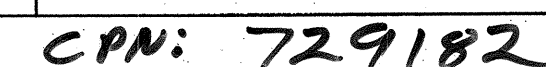
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

BY		
NO.	DESCRIPTION	DATE
REVISIONS		
COUNTY OF BERNALILLO		
CIELO ESTATES SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS		
X		
PROJECT NO. 729182	DRAWN: XXX CHECKED: XXX	DATE: XX-XX-XX SCALE:



⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36' THIRTY SIX INCHES BY 36' THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.