CONSTRUCTION PLANS FOR

LA CUENTISTA SUBDIVISION UNIT II

PHASE 2 PUBLIC INFRASTRUCTURE IMPROVEMENTS

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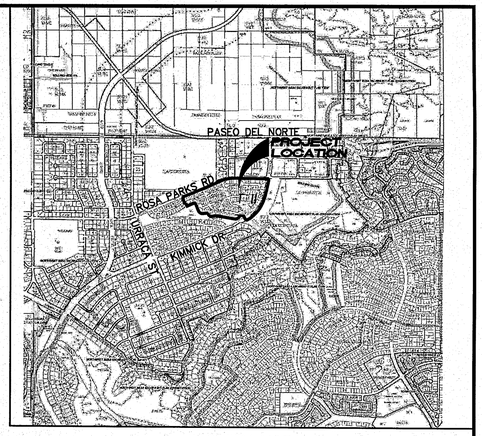
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VICINITY MAP
ZONE ATLAS MAP NO. C–10 & C–11

NOTES

1. ALL 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, 1986 EDITION, AS AMENDED THROUGH UPDATE #9.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER AND SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUT–OFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY FOURTEEN (14) DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES SHUT OFF REQUESTS MUST BE MADE ONLINE AT http://abcwua.org/Water_Shut_off_and_Turn_on_Procedures.aspxx.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS SYSTEM (260–1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING 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 BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924–3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER 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 ENGINEER 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 UPDATE #9.
8. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.
9. ANY WORK AFFECTING AN ARTERIAL ROADWAY MAY REQUIRE TWENTY–FOUR(24) HOUR CONSTRUCTION.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI–FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:
    - ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
    - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
    - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
    - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
    - ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
    - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE. RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE.
12. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT–OF WAY.

WILSON & COMPANY
4900 LANG AVE NE
ALBUQUERQUE, NEW MEXICO
87109
(505) 348–4000

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

DONALD M. DUNHAM NEW MEXICO 17618 9/27/16 PROFESSIONAL ENGINEER

APPROVALS	ENGINEER	DATE
DRC Chairman		10/7/16
Transportation		9/29/16
ABCWUA		10-5-16
Hydrology		9/29/16
Parks		
Constr. Mngmt.		
Constr. Coord.		

APPROVED FOR CONSTRUCTION

7/6/17
City Engineer Date

DRB# 1005182
WILSON# 1460008900

City Project No. 709788

Drawing 1

Sheet 35

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GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857–8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.

2. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.

3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.

4. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

5. CONTRACTOR TO CAREFULLY FIELD REVIEW SITE TO ASSESS EXTENT OF TRASH REMOVAL. TRASH REMOVAL SHALL BE INCLUDED IN BID ITEM "CLEARING & GRUBBING".

6. ALL VALLEY GUTTERS ARE 6' WIDE UNLESS OTHERWISE NOTED.

7. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS ARE TO FACE OF CURB, INCLUDING RADII OF CURB RETURNS.

8. ALL FINISHED GRADES AND PROFILES SHOWN ARE FLOWLINE GRADES, UNLESS OTHERWISE NOTED.

9. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED PER STD DWG 2415 BY THE CONTRACTOR AT HIS EXPENSE.

10. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.

11. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK–COATED.

12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED WITH THIS PROJECT AT THE LOCATIONS SHOWN ON PLANS, IN ACCORDANCE WITH THE CITY STANDARD DETAILS.

13. ALL WHEELCHAIR RAMP APPROACH SLOPES SHOWN ON STD DWG 2441 SHALL BE INCREASED IN LENGTH TO MAINTAIN 12:1 MAX SLOPE WHEN GRADE IS RISING FROM RAMP. SEE TABLE BELOW.

RISING GRADE	RAMP LENGTH
0%	8.1'
0–1%	9.2'
1–2%	10.6'
2–3%	12.6'
3–4%	15.5'

14. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.

15. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, POTHOLES, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.

16. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.

17. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.

18. CONTRACTOR TO VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF STANDARD CITY DETAILS.

19. ELEVATIONS FOR PROPOSED WATERLINE CONNECTIONS TO EXISTING WATERLINES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

20. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.

21. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

22. ALL WATER SERVICES LISTED AS "DOUBLE" REFER TO DOUBLE METER BOX. A SEPERATE SERVICE LINE TO EACH METER IS REQUIRED. REFERENCE C.O.A. STD. DRAWINGS 2361, 2362.

23. ALL EXISTING GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS.

24. WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.

25. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AS WELL AS LOCAL REGULATIONS.

26. THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY ENTITIES AS NEEDED FOR RELOCATION AND INSTALLATION OF PRIVATE UTILITIES. ENGINEER HAS NOTIFIED THE PRIVATE UTILITIES OF THIS PROJECT.
BASED ON THE DATA IN THIS REPORT.

27. TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS LANDSCAPING AND THE DRAINAGE DRAINAGE SYSTEMS FROM THE DEPOSITION OF ERODED MATERIAL.

28. CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY 4WD'S, ORV'S AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.

29. PROPOSED WATERLINE INSTALLATION SHALL HAVE RESTRAINED JOINTS AT ALL WATERLINE VALVES, TEES, CROSSES, BENDS, AND FIRE HYDRANTS, UNLESS OTHERWISE NOTED. SEE "THRUST RESTRAINT REQUIREMENTS" BELOW.

30. ALL EXCAVATION , TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

31. ALL FIRE HYDRANT "BURY" IS PER PLAN REQUIREMENTS AND IS CONSIDERED INCIDENTAL TO FIRE HYDRANT UNIT PRICE.

32. INSTALLATION OF ONSITE STREET LIGHTS SHALL NOT CONFLICT WITH LOCATION OF DRIVE PADS.

33. ALL SIDEWALKS AND ADA RAMPS SHALL MEET THE FOLLOWING REQUIREMENTS:

- RAMP SLOPE – DESIRED = 7%; MAX = 8.33%
- LANDING SLOPE – DESIRED = 1.5%; MAX = 2%
- ALL CROSS SLOPES – DESIRED = 1.5%; MAX = 2%

CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO THE REMOVAL AND REPLACEMENT OF ANY SIDEWALK OR RAMPS DEEMED TO BE NOT IN COMPLIANCE WITH ADA REGULATIONS AND/OR REQUIREMENTS.

UTILITY CONTACTS

COMPANY	PHONE	MOBILE	CONTACT
CITY of ALBUQUERQUE	259–1360		TIM CYNOVA
PNM – ELECTRIC	241–0536		ROSE ROMERO
NM GAS COMPANY	697–6802		JOE HERRERA
CENTURY LINK	245–6374		ROSA KNIFFIN
COMCAST	761–6221		ROBERT MARTINEZ

PVC WATER PIPE THRUST RESTRAINT REQUIREMENTS (SEE NOTE 1)
LENGTHS OF PIPE TO BE RESTRAINED (FEET)
FITTING TYPE

PIPE SIZE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	TEE (SEE NOTE 2) BRANCH RESTRAINTS W/ ALL LEGS EQUAL	DEAD END OR VALVE
4"	18'	7'	4'	2'	3'	39'
6"	25'	10'	5'	3'	18'	55'
8"	32'	13'	6'	4'	34'	72'
10"	38'	16'	8'	4'	47'	87'
12"	45'	19'	9'	5'	61'	102'

TEE BRANCH W/ ALL LEGS NOT EQUAL
12x12x8 – 13
8x8x6 – 6

NOTES:
1. VARIABLE DESIGN PARAMETER ASSUMPTIONS: GM & SM (CLASS III) SOIL TYPES; SAFETY FACTOR = 1.5; MINIMUM BURY DEPTH = 3 FEET; SOIL WEIGHT = 110 PCF; DESIGN (TEST) PRESSURE = 150 PSI.

2. TEES: RESTRAINED LENGTHS SHOWN ARE FOR THE BRANCH LEG OF THE TEE ONLY. EACH RUN OF PIPE ON THE MAIN STRAIGHT THRU LINE ADJACENT TO BOTH SIDES OF THE TEE SHALL BE MINIMUM OF 10' WITHOUT JOINTS OR RESTRAINTS, EXCEPT AT THE FITTING ITSELF.

3. REDUCERS: IF AN UNOBSTRUCTED DISTANCE AS INDICATED IN THE TABLE IS FREE OF BENDS, VALVES, TEES OR OTHER FITTINGS, ON THE SMALL PIPE ADJACENT TO THE REDUCER, RESTRAINT WILL NOT BE NECESSARY.

AS–BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE

BENCH MARKS
ACS 1 2" ALUMINUM DISK STAMPED
"ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW. EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

MICRO–FILM INFORMATION
RECORDED BY: DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DUNIMAN
NEW MEXICO
17616
9/23/16
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE SEPT 2016
DRAWN BY ALL DATE SEPT 2016
CHECKED BY DSA DATE SEPT 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

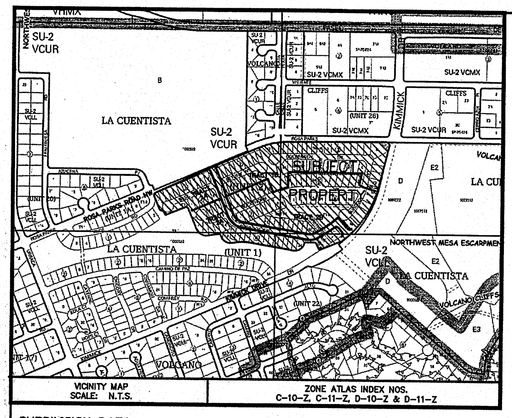
LA CUENTISTA SUBDIVISION – UNIT II
GENERAL NOTES

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 709788 | Zone Map No. C–10, C–11 | Drawing 2 | Sheet 35

WILSON# 1460008900
SEPT 2016

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LEGAL DESCRIPTION:

A LARGE PARCEL OF LAND BEING COMPRISED OF TRACTS 1A, 1B, 2A & 2B, ALL AS SHOWN AND DESIGNATED ON THE PLAT ENTITLED "REPLAT OF LA CUENTISTA SUBDIVISION, UNIT II, WITHIN SECTIONS 15, 22 AND 23, T.11N., R.2E., N.M.P.M, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO" FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY ON AUGUST 25, 2015 IN BOOK: 2015C, PAGE: 0098 AS DOCUMENT NO. 2015073816. REFILED AS CORRECTION PLAT ON SEPTEMBER 17, 2015, AS DOCUMENT NO. 2015081308.

PURPOSE OF PLAT:

THE PURPOSE OF THIS PLAT IS TO CREATE LOTS AND TRACTS, GRANT EASEMENTS, AND DEDICATE ROW AS SHOWN.

PRELIMINARY PLAT
REPLAT OF
THE CORRECTION PLAT
LA CUENTISTA SUBDIVISION, UNIT II

WITHIN SECTIONS 15, 22 & 23
T.11N., R.2 E., N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2016

PROJECT NUMBER: 1005182

APPLICATION NUMBER:

PLAT APPROVAL

N/A NEW MEXICO GAS COMPANY	DATE
N/A PNM ELECTRIC SERVICES	DATE
N/A QWEST CORPORATION D/B/A CENTURYLINK QC	DATE
N/A COMCAST	DATE

CITY APPROVALS:

2/18/16 Loren D. Trimbower P.S. 2/26/16 CITY SURVEYOR	DATE
N/A REAL PROPERTY DIVISION	DATE
N/A ENVIRONMENTAL HEALTH DEPARTMENT	DATE
N/A TRAFFIC ENGINEERING, TRANSPORTATION DIVISION	DATE
N/A ABCWUA	DATE
N/A PARKS AND RECREATION DEPARTMENT	DATE
N/A A.M.A.F.C.A.	DATE
CITY ENGINEER	DATE
DRB CHAIRPERSON, PLANNING DEPARTMENT	DATE

SUBDIVISION DATA:

TOTAL NO. OF LOTS AND TRACTS EXISTING 4

TOTAL NO. OF LOTS CREATED 122 (PH1 64, PH2 58) TOTAL NO. OF TRACTS CREATED 11 (PH1 7, PH2 4)

TOTAL MILES OF STREETS CREATED 0.81 (PH1 0.38, PH2 0.43)

GROSS SUBDIVISION ACREAGE 32.3588 ACRES PH1 14.8299 ACRES PH2 17.5289 ACRES

ZONE ATLAS INDEX NO. C-10, C-11, D-10, & D-11

CURRENT ZONING R-1 DATE OF SURVEY SEPTEMBER 2014

GENERAL NOTES:

1. ACS CONTROL STATION "8-C10, 1986" DATA:
3-1/4" ALUMINUM DISC SET FLUSH IN THE LAVA OUTCROP
NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE)
X= 1,502,106.697, Y= 1,521,538.71, ELEV.=5392.936 (NAVD 1988)
GROUND TO GRID FACTOR = 0.999667901, DELTA ALPHA = (–)00°16'00.09" NAD 1983

2. ACS CONTROL STATION "3-E10" DATA:
3-1/4" BRASS DISC SET IN A CONCRETE POST 0.3' ABOVE GROUND
NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE)
X= 1,499,059.808, Y= 1,512,627.946, ELEV.=5318.888 (NAVD 1988)
GROUND TO GRID FACTOR = 0.999672416, DELTA ALPHA = (–)00°16'20.35", NAD 1983

3. FIELD SURVEY PERFORMED SEPTEMBER 2014.

4. BEARINGS SHOWN ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE NAD 83) BASED UPON A LINE FROM ACS "8-C10" TO ACS "3-E10". SAID BEARING BEING: S18° 52' 38"W.

5. ALL DISTANCES ARE GROUND DISTANCES.

6. CORNERS SHOWN AS —⊙— ARE FOUND REBARS WITH CAP STAMPED "CROWSHAW 14733". ALL OTHER PROPERTY CORNERS WILL BE SET WITH 5/8" REBAR WITH CAP STAMPED "CROSHAW 14733".

7. ALL INTERIOR TRACT CORNERS WILL BE SET WITH COMPLETION OF INFRASTRUCTURE.

8. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.

9. SUBDIVISION ORDINANCE SECTION 14-14-4-7. PROHIBITION ON PRIVATE RESTRICTIONS ON THE INSTALLATION OF SOLAR COLLECTORS ON PROPERTY WITHIN AN AREA FOR WHICH DRB APPROVAL IS SOUGHT. NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BINDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERECTED ON THE LOTS OR PARCELS WITHIN THE AREA OF PROPOSED PLAT. THE FOREGOING REQUIREMENT SHALL BE A CONDITION TO APPROVAL OF THIS PLAT OR SITE DEVELOPMENT PLAN FOR SUBDIVISION.

10. ALL BOUNDARY PERIMETER BEARINGS AND DISTANCES ARE THE SAME AS SHOWN AND DESIGNATED IN THE LA CUENTISTA SUBDIVISION, UNIT II PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON FEBRUARY 1, 2008 IN MAP BOOK 2008, FOLIO 19.

LAYOUT NAME: 1460008900 PH 1 and 2 Pre Plat 01 TO 04.dwg
DRAWING NAME: 1460008900 PH 1 and 2 Pre Plat.dwg
NETWORK ADDRESS: M:\MSD\1460008900\2_Disciplines\Survey\Drawings\Phase 1 and 2 Pre Plat 2/25/16

PROPERTY OWNER APPROVAL:

OWNER/PROPRIETOR OF LA CUENTISTA SUBDIVISION, UNIT II

BY: ROBERT C. PREWITT, MANAGING MEMBER — 2-26-16 DATE
FOR: DR. SCOTT, L.L.C.
4400 ALAMEDA BLVD NE, SUIT E, ALBUQUERQUE, NM 87113

ACKNOWLEDGMENT
STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THIS 26 DAY OF February, 2016, BY ROBERT C. PREWITT, MANAGING MEMBER.

NOTARY PUBLIC:

MY COMMISSION EXPIRES: April 21, 2019

OFFICIAL SEAL
Crystal A. Sorrell
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires April 21, 2019

SURVEYOR'S CERTIFICATION:

I, CHRISTOPHER S. CROSHAW, A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNER(S), UTILITY COMPANIES, OR OTHER PARTIES EXPRESSING AN INTEREST, IS CORRECT AND TRUE TO THE BEST OF MY BELIEF AND KNOWLEDGE AND THAT THIS SURVEY AND PLAT MEET 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.

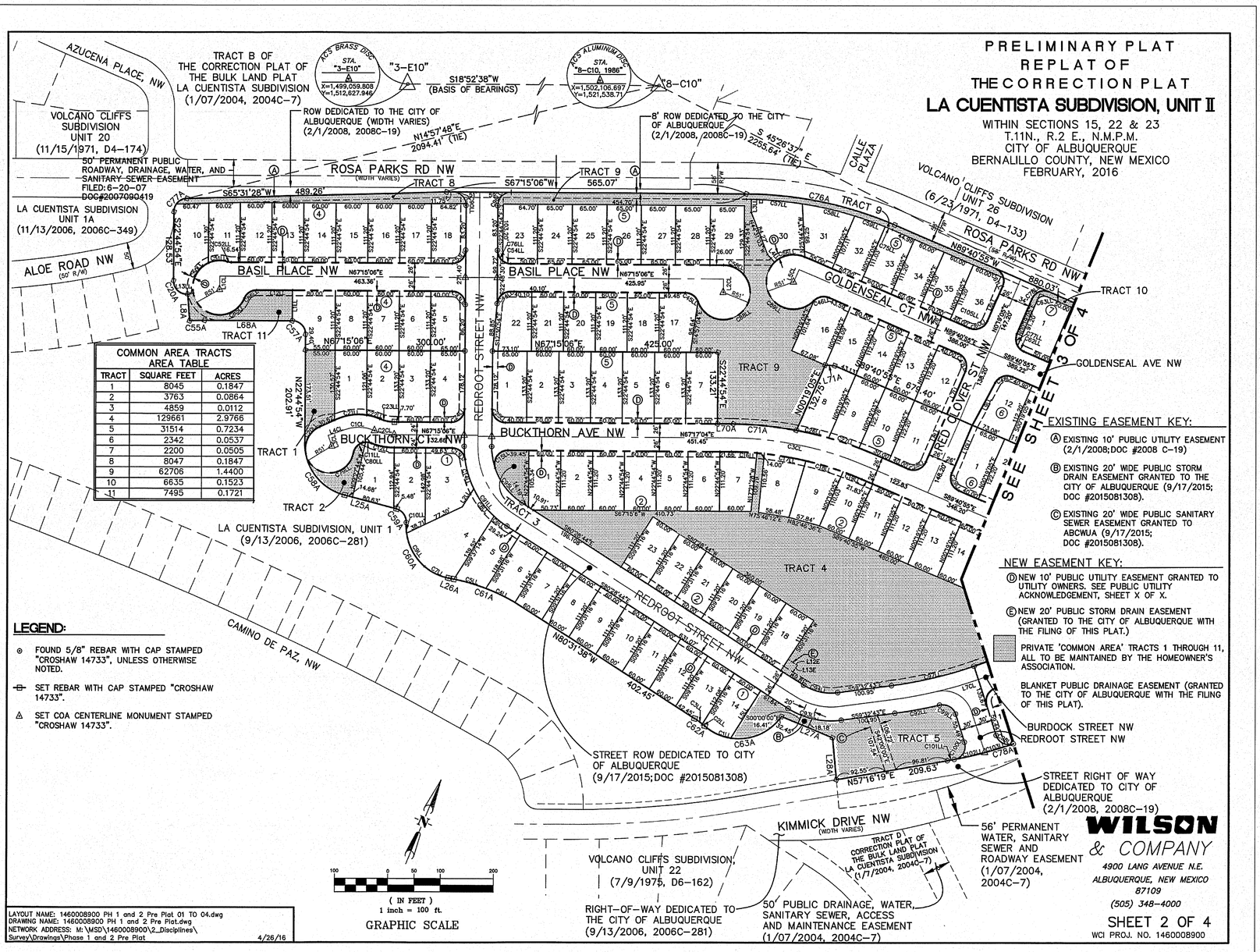
CHRISTOPHER S. CROSHAW
N.M.P.L.S. #14733

25 February 2016
DATE

NEW MEXICO 14733 REGISTERED PROFESSIONAL SURVEYOR

WILSON & COMPANY
4900 LANG AVENUE N.E.
ALBUQUERQUE, NEW MEXICO
87109
(505) 348-4000

WCI PROJ. NO. 1460008900



COMMON AREA TRACTS AREA TABLE

TRACT	SQUARE FEET	ACRES
1	8045	0.1847
2	3763	0.0864
3	4859	0.0112
4	129661	2.9766
5	31514	0.7234
6	2342	0.0537
7	2200	0.0505
8	8047	0.1847
9	62706	1.4400
10	6635	0.1523
11	7495	0.1721

LEGEND:

- ⊙ FOUND 5/8" REBAR WITH CAP STAMPED "CROSHAW 14733", UNLESS OTHERWISE NOTED.
- —⊖— SET REBAR WITH CAP STAMPED "CROSHAW 14733".
- △ SET COA CENTERLINE MONUMENT STAMPED "CROSHAW 14733".

EXISTING EASEMENT KEY:

- (A) EXISTING 10' PUBLIC UTILITY EASEMENT (2/1/2008;DOC #2008 C-19)
- (B) EXISTING 20' WIDE PUBLIC STORM DRAIN EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE (9/17/2015; DOC #2015081308).
- (C) EXISTING 20' WIDE PUBLIC SANITARY SEWER EASEMENT GRANTED TO ABCWUA (9/17/2015; DOC #2015081308).

NEW EASEMENT KEY:

- (D) NEW 10' PUBLIC UTILITY EASEMENT GRANTED TO UTILITY OWNERS. SEE PUBLIC UTILITY ACKNOWLEDGEMENT, SHEET X OF X.
- (E) NEW 20' PUBLIC STORM DRAIN EASEMENT (GRANTED TO THE CITY OF ALBUQUERQUE WITH THE FILING OF THIS PLAT.)

PRIVATE 'COMMON AREA' TRACTS 1 THROUGH 11, ALL TO BE MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.

BLANKET PUBLIC DRAINAGE EASEMENT (GRANTED TO THE CITY OF ALBUQUERQUE WITH THE FILING OF THIS PLAT).

PRELIMINARY PLAT
REPLAT OF
THE CORRECTION PLAT
LA CUENTISTA SUBDIVISION, UNIT II

WITHIN SECTIONS 15, 22 & 23
T.11N., R.2 E., N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2016

WILSON & COMPANY
4900 LANG AVENUE N.E.
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(505) 348-4000

WCI PROJ. NO. 1460008900

LAYOUT NAME: 1460008900 PH 1 and 2 Pre Plat 01 TO 04.dwg
DRAWING NAME: 1460008900 PH 1 and 2 Pre Plat.dwg
NETWORK ADDRESS: M:\MSD\1460008900\2_Disciplines\Survey\Drawings\Phase 1 and 2 Pre Plat 4/26/16

FOR INFORMATION ONLY
COA# 709787, 709788 3 OF 35

PRELIMINARY PLAT
REPLAT OF
THE CORRECTION PLAT
LA CUENTISTA SUBDIVISION, UNIT II

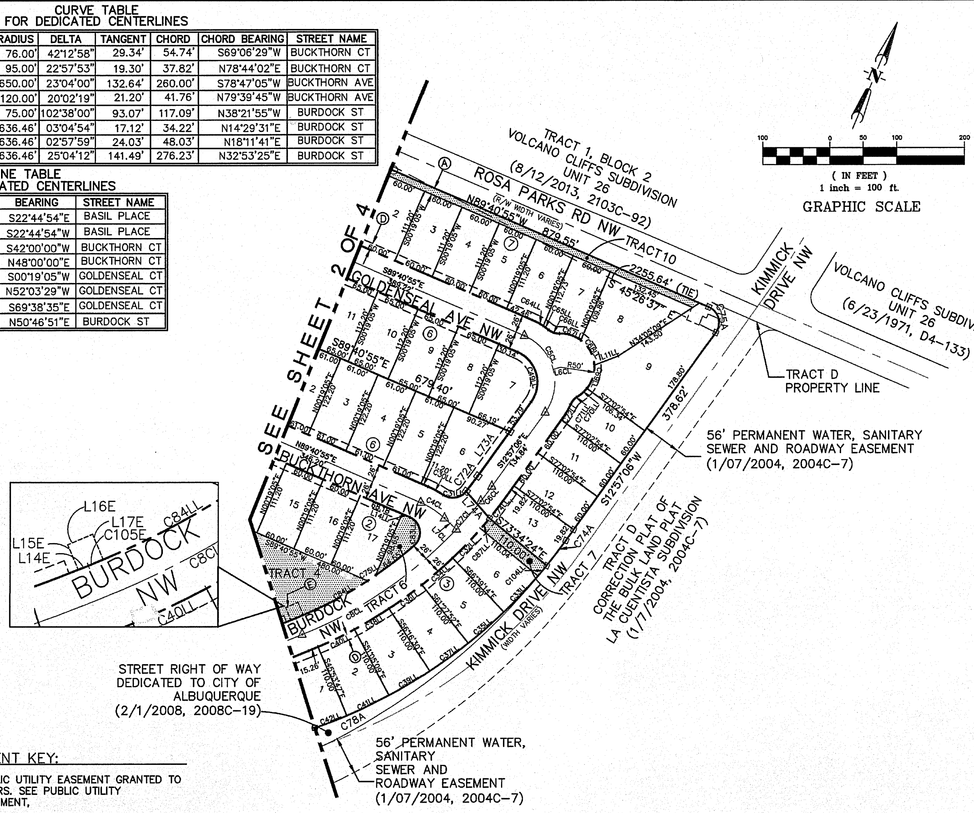
WITHIN SECTIONS 15, 22 & 23
T.11N., R.2 E., N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2016

CURVE TABLE
FOR DEDICATED CENTERLINES

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING	STREET NAME
C1CL	56.00'	76.00'	42°12'58"	29.34'	54.74'	S69°06'29"W	BUCKTHORN CT
C2CL	38.08'	95.00'	22°57'53"	19.30'	37.82'	N78°44'02"E	BUCKTHORN CT
C3CL	261.68'	650.00'	23°04'00"	132.64'	260.00'	S78°47'05"W	BUCKTHORN AVE
C4CL	42.00'	120.00'	20°02'19"	21.20'	41.76'	N79°39'45"W	BUCKTHORN AVE
C5CL	93.67'	75.00'	102°38'00"	93.07'	117.09'	N38°21'55"W	BURDOCK ST
C6CL	34.22'	636.46'	03°04'54"	17.12'	34.22'	N14°29'31"E	BURDOCK ST
C7CL	48.04'	636.46'	02°57'59"	24.03'	48.03'	N18°11'41"E	BURDOCK ST
C8CL	278.45'	636.46'	25°04'12"	141.49'	276.23'	N32°53'25"E	BURDOCK ST

LINE TABLE
FOR DEDICATED CENTERLINES

LINE	LENGTH	BEARING	STREET NAME
L1CL	25.00'	S22°44'54"E	BASIL PLACE
L2CL	25.00	S22°44'54"W	BASIL PLACE
L3CL	21.00'	S42°00'00"W	BUCKTHORN CT
L4CL	34.07'	N48°00'00"E	BUCKTHORN CT
L5CL	25.00'	S00°19'05"W	GOLDENSEAL CT
L6CL	11.75'	N52°03'29"W	GOLDENSEAL CT
L7CL	23'92'	S69°38'35"E	GOLDENSEAL CT
L8CL	80'73'	N50°46'51"E	BURDOCK ST



NEW EASEMENT KEY:

Ⓓ NEW 10' PUBLIC UTILITY EASEMENT GRANTED TO UTILITY OWNERS. SEE PUBLIC UTILITY ACKNOWLEDGEMENT.

Ⓔ NEW 20' PUBLIC STORM DRAIN EASEMENT (GRANTED TO THE CITY OF ALBUQUERQUE WITH THE FILING OF THIS PLAT.)

PRIVATE 'COMMON AREA' TRACTS 1 THROUGH 11, ALL TO BE MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.

BLANKET PUBLIC DRAINAGE EASEMENT (GRANTED TO THE CITY OF ALBUQUERQUE WITH THE FILING OF THIS PLAT).

LEGEND:

- FOUND 5/8" REBAR WITH CAP STAMPED "CROSHAW 14733", UNLESS OTHERWISE NOTED.
- SET REBAR WITH CAP STAMPED "CROSHAW 14733".

LINE TABLE
FOR STORM DRAIN EASEMENTS

LINE	LENGTH	BEARING
L12E	20.00'	S80°28'44"E
L13E	20.00'	S09°31'16"W
L14E	8.01'	N45°25'25"E
L15E	20.00'	N46°03'07"W
L16E	20.00'	N43°56'53"E
L17E	20.40'	N46°03'07"W

CURVE TABLE
FOR STORM DRAIN EASEMENTS

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C105E	12.00'	610.46'	01°07'32"	6.00'	12.00'	N44°51'39"E

LINE TABLE
FOR BOUNDARY PERIMETER

LINE	LENGTH	BEARING
L8A	50.00'	N27°02'14"W
L25A	80.63'	S81°42'18"W
L26A	10.78'	S78°13'19"W
L27A	101.64'	S90°00'00"W
L28A	78.60'	N28°20'37"W
L68A	166.35'	S67°15'06"W
L70A	26.45'	N67°15'06"E
L71A	17.87'	S71°03'44"W
L73A	81.05'	S12°57'06"W
L74A	52.80'	S64°01'10"E

CURVE TABLE
FOR BOUNDARY PERIMETER AND TRACT 1A,1B,2A,2B BOUNDARY

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C20A	41.14'	25.00'	94°17'20"	26.95'	36.65'	N69°53'34"W
C55A	28.07'	375.00'	04°17'20"	14.04'	28.06'	S65°06'26"W
C57A	39.27'	25.00'	90°00'00"	25.00'	35.36'	N67°44'54"W
C58A	131.85'	100.00'	75°32'48"	77.49'	122.51'	S60°31'18"W
C59A	34.06'	25.66'	76°03'47"	20.07'	31.61'	N59°09'33"W
C60A	142.84'	100.00'	81°50'33"	86.69'	131.00'	N60°51'24"W
C61A	123.42'	375.00'	18°51'28"	70.52'	138.60'	S88°52'18"W
C62A	23.74'	175.00'	07°46'17"	11.89'	23.72'	N76°35'36"W
C63A	165.32'	100.00'	94°43'17"	108.60'	147.13'	S59°55'54"W
C71A	122.77'	676.00'	10°24'30"	61.55'	122.60'	N72°27'17"E
C72A	28.26'	610.46'	02°39'10"	14.13'	28.26'	S14°16'40"W
C74A	46.85'	772.46'	03°28'31"	23.43'	46.85'	N14°11'21"E
C75A	44.78'	25.00'	102°38'00"	31.22'	39.03'	N38°21'55"W
C76A	284.77'	708.54'	23°01'39"	144.33'	282.84'	N78°45'55"E
C77A	38.48'	25.00'	88°11'06"	24.22'	34.79'	N21°23'17"E
C78A	550.67'	772.46'	40°50'43"	287.62'	539.09'	N36°50'57"E

WILSON
& COMPANY
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SHEET 3 OF 4
WCI PROJ. NO. 1460008900

LAYOUT NAME: 1460008900 PH 1 and 2 Pre Plat 01 TO 04.dwg
DRAWING NAME: 1460008900 PH 1 and 2 Pre Plat.dwg
NETWORK ADDRESS: M:\MSD\1460008900\2_Disciplines\Survey\Drawings\Phase 1 and 2 Pre Plat 4/26/16

PRELIMINARY PLAT
REPLAT OF
THE CORRECTION PLAT
LA CUENTISTA SUBDIVISION, UNIT II

WITHIN SECTIONS 15, 22 & 23
T.11N., R.2 E., N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2016

LL LINE TABLE

LINE	LENGTH	BEARING
L1LL	56.80'	S22°44'54"E
L2LL	40.25'	S09°31'16"W
L3LL	24.55'	S22°44'54"E
L4LL	20.00'	S66°44'13"E
L5LL	105.22'	S09°31'16"W
L6LL	71.20'	N00°19'05"E
L7LL	87.20'	S00°00'00"E
L8LL	97.20'	S00°36'13"W
L9LL	89.53'	N04°58'29"E
L10LL	97.20'	S00°19'05"E
L11LL	38.28'	S46°6'17"W
L12LL	68.19'	N67°15'06"E
L13LL	10.00'	S55°43'27"W
L14LL	12.36'	S89°40'55"E

LL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1LL	55.06'	101.08'	31°12'44"	28.23'	54.38'	S88°30'31"E
C2LL	6.18'	593.62'	00°35'47"	3.09'	6.18'	N74°40'47"E
C3LL	17.60'	175.00'	05°45'25"	8.80'	17.57'	N77°36'43"W
C4LL	60.51'	375.00'	09°14'50"	30.32'	60.45'	N87°31'38"W
C5LL	62.90'	375.00'	09°36'38"	31.39'	62.56'	S83°02'45"W
C6LL	30.92'	176.00'	10°03'58"	15.50'	30.88'	S75°26'45"W
C7LL	50.56'	100.00'	29°01'01"	25.88'	50.64'	S87°17'29"E
C8LL	64.44'	176.00'	20°58'40"	32.58'	64.08'	S59°55'27"E
C9LL	72.44'	100.00'	41°21'41"	37.88'	70.85'	S52°05'08"E
C10LL	19.81'	100.00'	11°21'10"	9.94'	19.72'	N25°36'42"W
C11LL	10.81'	25.00'	24°04'08"	5.49'	10.73'	S76°10'08"W
C12LL	44.26'	119.00'	21°18'36"	22.39'	44.00'	N77°54'24"E
C13LL	35.77'	25.00'	81°58'09"	21.72'	32.79'	N71°45'50"W
C14LL	57.34'	166.69'	19°42'28"	28.95'	57.05'	S40°06'26"E
C15LL	47.52'	25.00'	108°54'29"	34.99'	40.68'	S12°47'51"E
C16LL	48.71'	624.00'	04°28'20"	24.37'	48.70'	S69°29'16"W
C17LL	78.42'	624.00'	07°12'02"	39.26'	78.37'	S76°36'33"W
C18LL	71.88'	624.00'	06°36'04"	35.97'	71.85'	S83°30'36"W
C19LL	38.20'	624.00'	03°30'27"	19.10'	38.19'	S88°33'52"W
C20LL	60.16'	44.61'	77°16'10"	35.65'	55.70'	S04°13'45"W
C21LL	61.76'	97.97'	36°07'09"	31.94'	60.74'	S58°15'02"W
C22LL	25.55'	96.78'	15°07'47"	12.85'	25.48'	S82°03'16"W
C23LL	28.45'	71.00'	22°57'53"	14.42'	28.26'	N78°44'02"E
C24LL	39.27'	25.00'	90°00'00"	25.00'	35.35'	N22°15'06"E
C25LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	S67°44'54"E
C26LL	60.96'	676.00'	05°10'01"	30.50'	60.94'	S80°14'26"W
C27LL	60.24'	676.00'	05°06'22"	30.14'	60.22'	S85°22'37"W
C28LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	N45°19'05"E
C29LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	S44°40'55"E
C30LL	26.10'	146.00'	10°14'39"	13.08'	26.07"	N84°33'35W
C31LL	37.05'	25.05'	84°43'46"	22.85'	33.77'	N58°05'00"E
C32LL	60.00'	662.46	05°11'22"	30.02'	59.98"	N20°45'05"E
C33LL	73.29'	772.46'	05°26'09"	36.67'	73.26'	N20°37'42"E
C34LL	60.00'	662.46'	05°11'22"	30.02'	59.98"	N25°56'27"E
C35LL	69.96'	772.46'	05°11'22"	35.01'	69.94'	N25°56'27"E
C36LL	60.00'	662.46'	05°11'22"	30.02'	59.97"	N31°07'49"E
C37LL	69.96'	772.46'	05°11'22"	35.01'	69.97'	N31°07'49"E
C38LL	60.00'	662.46'	05°11'22"	30.01'	59.98"	N36°19'10"E
C39LL	69.96'	772.46'	05°14'00"	34.98'	69.93'	N36°19'10"E
C40LL	60.00'	662.46'	05°11'22"	30.02'	59.89"	N41°30'32"E
C41LL	69.96'	772.46'	05°30'52"	35.01'	69.93'	N41°30'32"E
C42LL	50.79'	772.46'	12°38'28"	25.40'	50.79'	N45°49'13"E
C43LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	N67°44'54"W
C44LL	36.99'	25.00'	84°46'00"	22.82'	33.70'	S24°52'06"W
C45LL	30.54'	25.00'	69°59'41"	17.50'	28.67'	N77°45'04"W
C46LL	30.54'	25.00'	69°59'41"	17.50'	28.68'	S55°19'15"W
C47LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	N44°40'55"W
C48LL	37.24'	25.00'	85°20'36"	23.05'	33.89'	S47°38'47"W

LL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C49LL	87.77'	49.00'	102°38'00"	61.20'	76.50'	N38°21'55"W
C50LL	68.02'	51.00"	76°25'17"	40.05'	63.09'	S03°56'05"W
C51LL	37.20'	51.00'	41°17'30"	19.47'	36.38'	S63°02'48"W
C52LL	7.28'	25.00	16°41'01"	3.66'	7.26'	N75°35'40"E
C53LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	N22°15'6"E
C54LL	16.09'	25.00'	36°52'12"	8.33'	15.81'	S85°41'11"E
C55LL	44.40'	51.00'	49°52'38"	23.72'	43.01'	S87°48'36"E
C56LL	59.69'	51.00'	67°03'18"	33.79'	56.34'	S56°47'26"W
C57LL	95.75'	698.54'	07°51'15"	47.95'	95.68'	S71°57'34"W
C58LL	100.31'	698.54'	08°13'41"	50.24'	100.28'	S80°00'03"W
C59LL	60.15'	698.54'	04°56'00"	30.09'	60.13'	S86°34'53"W
C60LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	N45°19'05"E
C61LL	16.09'	25.00'	36°52'10"	8.33'	15.81'	N18°06'60"W
C62LL	16.08'	25.00'	36°52'12"	8.33'	15.81'	S71°14'49"E
C63LL	23.56'	15.00'	90°00'00"	15.00'	21.21'	S45°19'05"W
C64LL	17.63'	101.00'	09°59'59"	8.84'	17.61'	N84°40'55"W
C65LL	9.66'	101.00'	05°28'43"	4.83'	9.66'	N76°56'35"W
C66LL	17.87'	25.00'	40°56'40"	9.30'	17.49'	S85°19'26"E
C67LL	34.00'	50.00'	38°57'22"	17.68'	33.35'	S84°19'47"W
C68LL	43.43'	50.00'	49°56'19"	23.19'	42.08'	N51°18'22"W
C69LL	36.99'	50.00'	42°02'28"	19.21'	35.87'	N05°23'59"W
C70LL	18.69'	58.39'	21°24'48"	9.45'	18.58'	N26°19'39"E
C71LL	15.80'	25.00'	36°12'22"	8.18'	15.54'	S18°55'52"W
C72LL	26.64'	108.06'	14°07'27"	13.39'	26.57'	N05°07'20"E
C74LL	40.18'	662.46'	03°28'31"	20.10'	40.17'	N14°41'21"E
C75LL	15.00'	698.56'	01°13'49"	7.50'	15.00'	S89°39'49"W
C76LL	23.13'	25.00'	90°00'00"	12.41'	22.13'	S49°22'24"E
C77LL	23.18'	25.18'	52°34'50"	12.50'	22.36'	S26°17'49"W
C78LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	S45°19'05"W
C79LL	111.13'	45.00'	141°30'36"	128.90'	84.97"	N57°59'41"E
C80LL	44.23'	25.00'	10°21'31"	30.52'	38.68'	S37°52'69"W
C83LL	50.48'	25.00'	115°44'40"	39.75'	42.33'	N31°51'47"W
C84LL	207.06'	610.46'	19°26'03"	104.50'	206.07'	N35°42'23"E
C85LL	129.56'	51.07'	145°20'10"	163.66'	97.51'	N72°47'07"E
C86LL	29.41'	25.00'	67°24'19"	16.68'	27.74'	S33°32'56"W
C87LL	20.00'	662.46'	01°45'48"	20.00'	35.36'	N14°17'30"E
C88LL	178.09'	51.00'	200°04'53"		100.43'	N37°11'15"E
C89LL	222.52'	51.00'	249°59'41"		110.97'	N68°12'26"W
C90LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	S67°44'54"E
C91LL	177.34'	176.00'	57°43'50"	97.02'	169.93'	S51°36'49"E
C92LL	84.34'	826.00'	306°18'19"	42.21'	84.31'	N56°37'12"E
C93LL	101.87'	146.00'	39°58'33"	53.10'	99.81'	N79°31'59"E
C94LL	65.59'	94.00'	39°58'33"	34.19'	64.26'	N79°31'59"E
C95LL	84.02'	124.00'	38°49'20""	46.59'	82.42'	S61°04'04"E
C96LL	39.27'	25.00'	90°00'00"	25.00'	35.36'	S22°15'06"W
C97LL	158.00'	774.00'	11°41'46"	79.28'	157.73'	N53°41'49"E
C98LL	39.83'	25.00'	91°16'58"	25.57'	35.75'	S86°29'16"E
C99LL	37.29'	25.00'	87°25'32"	23.10'	33.93'	S83°34'33"E
C100LL	42.40'	25.00'	97°10'04"	28.34'	37.50'	S07°44'15"W
C101LL	12.77'	772.46'	00°56'51"	6.39'	12.77'	S56°47'43"W
C102LL	58.36'	772.46'	04°19'42"	29.19'	58.34'	S54°09'26"W
C103LL	55.58'	772.46'	04°07'46"	27.80'	55.57'	S59°55'54"W
C104LL	20.00'	762.46'	90°00'00"	25.00'	35.36'	N14°10'07"E

LOT AREA TABLE

BLOCK	LOT	SQUARE FEET	ACRES
1	1	7241	0.3177
1	2	8310	0.1908
1	3	9795	0.2249
1	4	13782	0.3164
1	5	7640	0.1754
1	6	6868	0.1577
1	7	6704	0.1539
1	8	6672	0.1532
1	9	6672	0.1532
1	10	6672	0.1532
1	11	6672	0.1532
1	12	6675	0.1532
1	13	6660	0.1530
1	14	6698	0.1538
2	1	6623	0.1520
2	2	6672	0.1532
2	3	6672	0.1532
2	4	6672	0.1532
2	5	6672	0.1532
2	6	6672	0.1532
2	7	7228	0.1659
2	8	7576	0.1739
2	9	7147	0.1641
2	10	6656	0.1528
2	11	6672	0.1532
2	12	6672	0.1532
2	13	6672	0.1532
2	14	6678	0.1533
2	15	6672	0.1532
2	16	6672	0.1532
2	17	7552	0.1734
2	18	6672	0.1532
2	19	6672	0.1532
2	20	6672	0.1532
2	21	6672	0.1532
2	22	6672	0.1532
2	23	6672	0.1532
3	1	7579	0.1740
3	2	7145	0.1640
3	3	7150	0.1641
3	4	7153	0.1642
3	5	7138	0.1639
3	6	7330	0.1683
4	1	8042	0.1846
4	2	7707	0.1769
4	3	7792	0.1835
4	4	8524	0.1980
4	5	7097	0.1629
4	6	6672	0.1532
4	7	6672	0.1532
4	8	6672	0.1532
4	9	7645	0.1755
4	10	9481	0.2176
4	11	6550	0.1504
4	12	6672	0.1532
4	13	6672	0.1532
4	14	6672	0.1532
4	15	6672	0.1532
4	16	6672	0.1532
4	17	6550	0.1504
4	18	7094	0.1630

LOT AREA TABLE

BLOCK	LOT	SQUARE FEET	ACRES
5	1	8524	0.1957
5	2	7992	0.1835
5	3	7992	0.1835
5	4	7992	0.1835
5	5	8524	0.1957
5	6	7989	0.1834
5	7	7992	0.1835
5	8	7921	0.1818
5	9	7496	0.1721
5	10	7328	0.1682
5	11	7893	0.1812
5	12	7246	0.1663
5	13	6732	0.1545
5	14	6732	0.1545
5	15	6760	0.1551
5	16	7816	0.1794
5	17	7395	0.1698
5	18	6672	0.1532
5	19	6672	0.1532
5	20	6672	0.1532
5	21	6672	0.1532
5	22	7455	0.1711
5	23	7188	0.1650
5	24	6672	0.1532
5	25	6672	0.1532
5	26	6672	0.1532
5	27	6672	0.1532
5	28	6672	0.1532
5	29	7453	0.1711
5	30	8836	0.230
5	31	7850	0.1802
5	32	6568	0.1508
5	33	6670	0.1531
5	34	6672	0.1532
5	35	6672	0.1532
5	36	7070	0.1623
6	1	7809	0.1793
6	2	7454	0.1711
6	3	7454	0.1711
6	4	7454	0.1711
6	5	7454	0.1711
6	6	9408	0.2160
6	7	7989	0.1834
6	8	6732	0.1545
6	9	6732	0.1545
6	10	6732	0.1545
6	11	7293	0.1674
6	12	7576	0.1739
7	1	7156	0.1642
7	2	6672	0.1532
7	3	6672	0.1532
7	4	6672	0.1532
7	5	6672	0.1532
7	6	6681	0.1534
7	7	6714	0.1541
7	8	11222	0.2576
7	9	16642	0.3821
7	10	6613	0.1518
7	11	6597	0.1515
7	12	6586	0.1512
7	13	6600	0.1515

WILSON
& COMPANY
4900 LANG AVENUE N.E.
ALBUQUERQUE, NEW MEXICO
87109
(505) 348-4000

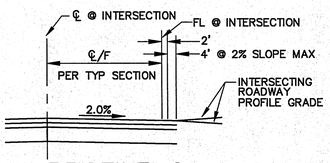
SHEET 4 OF 4
WCI PROJ. NO. 1460008900

LAYOUT NAME: 1460008900 PH 1 and 2 Pre Plat 02 TO 04.dwg
DRAWING NAME: 1460008900 PH 1 and 2 Pre Plat.dwg
NETWORK ADDRESS: M:\MSD\1460008900\2_Disciplines\Survey\Drawings\Phase 1 and 2 Pre Plat 4/26/16

FOR INFORMATION ONLY
COA# 709787, 709788 4 OF 35

GENERAL PAVING NOTE:

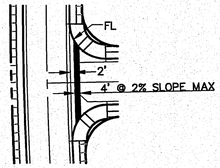
* CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, CONTRACTOR SHALL REMOVE 2 FEET OF SUBGRADE MATERIAL AND REPLACE WITH IMPORTED MATERIAL WITH R-VALUE GREATER THAN 50.



PROFILE @ INTERSECTION DETAIL

SCALE 1"=5'

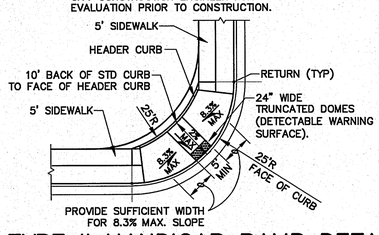
NOTE: ALL ROADWAY INTERSECTIONS MUST PROVIDE A MINIMUM 4' WIDE STRIP AT 2% MAX SLOPE FOR ADA COMPLIANCE



PLAN @ INTERSECTION DETAIL

SCALE 1"=50'

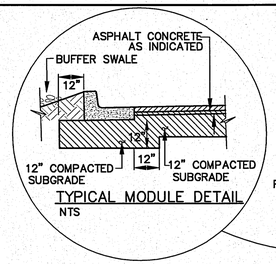
NOTE:
DESIGN DETECTABLE WARNING SURFACE SHALL BE CAST-IN-PLACE (REPLACEABLE) PER ADA GUIDELINES. SUBMIT SPECS TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.



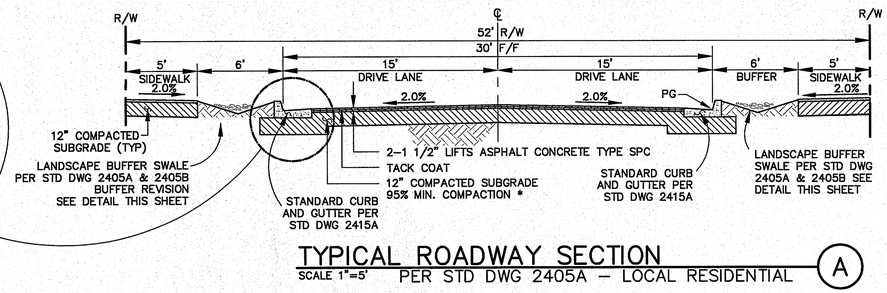
TYPE II HANDICAP RAMP DETAIL

SCALE 1"=5' (PER STD DWG 2441)

NOTE: RAMP SLOPE = 8.33% MAX; DESIRED = 7%
LANDING SLOPE = 2% MAX; DESIRED = 1.5%



TYPICAL MODULE DETAIL
NTS

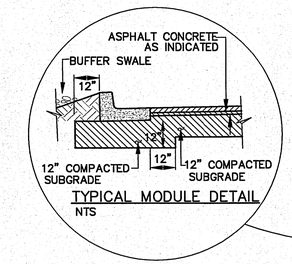


PHASE 1
BUCKTHORN AVE
BURDOCK ST

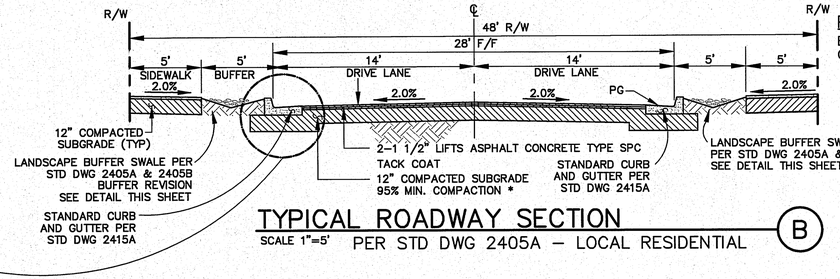
PHASE 2
BASIL PLACE W
BASIL PLACE E
GOLDENSEAL CT
GOLDENSEAL AVE
BURDOCK ST

TYPICAL ROADWAY SECTION

SCALE 1"=5' PER STD DWG 2405A - LOCAL RESIDENTIAL (A)



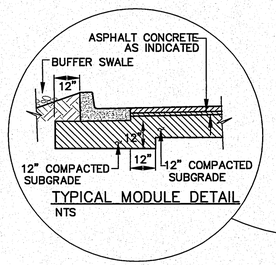
TYPICAL MODULE DETAIL
NTS



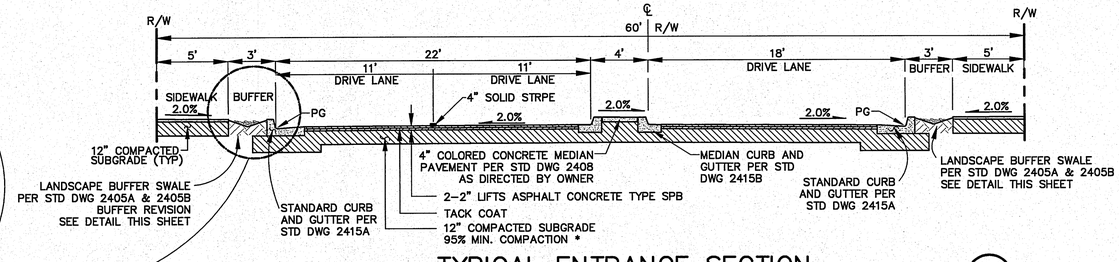
PHASE 1
BUCKTHORN CT ONLY

TYPICAL ROADWAY SECTION

SCALE 1"=5' PER STD DWG 2405A - LOCAL RESIDENTIAL (B)



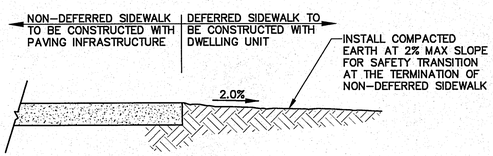
TYPICAL MODULE DETAIL
NTS



TYPICAL ENTRANCE SECTION

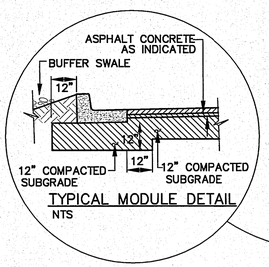
SCALE 1"=5' PER STD DWG 2405B - MAJOR LOCAL (C)

RED CLOVER STREET - STA 1+05 TO STA 2+50

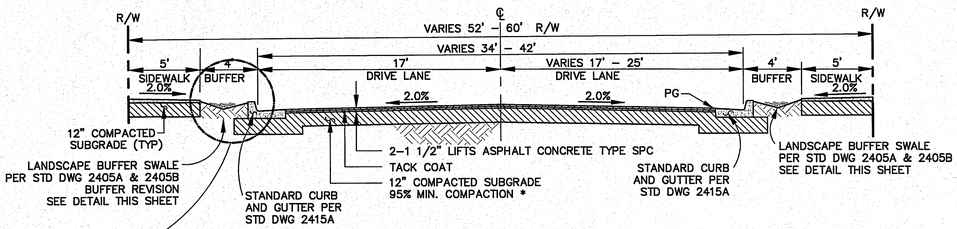


SIDEWALK TRANSITION DETAIL

NTS



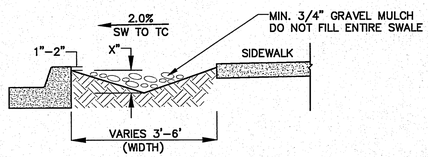
TYPICAL MODULE DETAIL
NTS



TYPICAL ROADWAY SECTION

SCALE 1"=5' PER STD DWG 2405A - LOCAL RESIDENTIAL (D)

RED CLOVER STREET - STA 2+50 TO STA 5+38



LANDSCAPE BUFFER SWALE

NTS

MODIFIED REVISED STD DWG 2405A & 2405B PER BUFFER REVISION

NOTE: X = WIDTH AS INCHES + 1"

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED
"ACS BM 5-D11" LOCATED 72' ±
ESE OF THE CENTER OF THE
CUL-DE-SAC AT THE SOUTH END OF
RIDGEWAY DR. NW. EPOXIED TO LAVA
ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DUNEMAN
NEW MEXICO
17616
9/21/16
PROFESSIONAL ENGINEER
3/20/17 DMD

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
TYPICAL SECTIONS

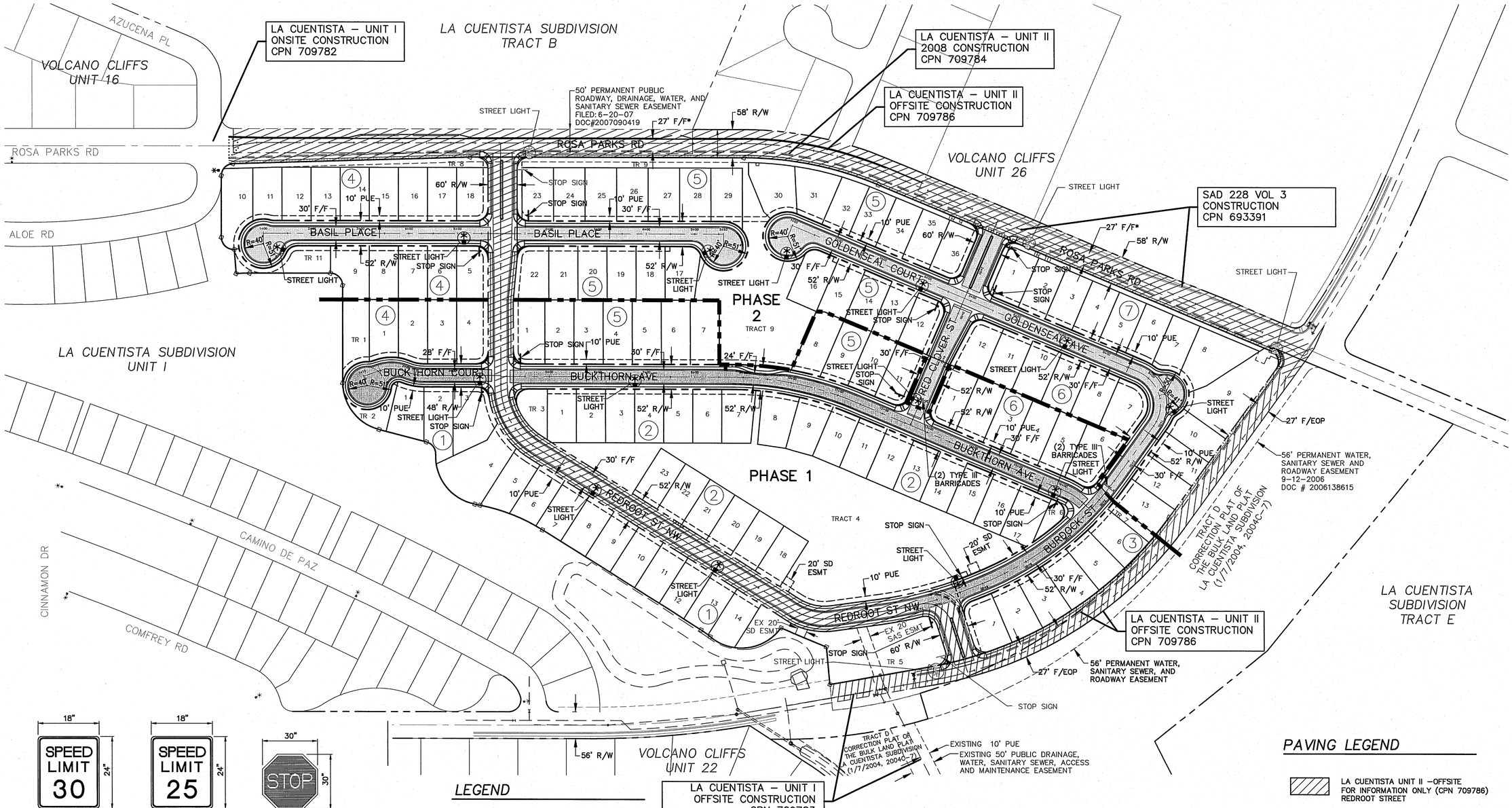
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update

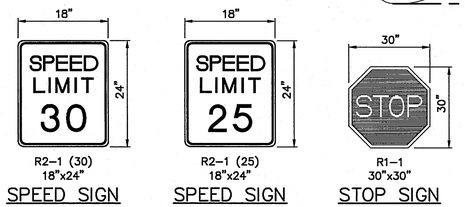
Mo./Day/Yr.	Mo./Day/Yr.

WILSON #1460008900
SEPT 2016

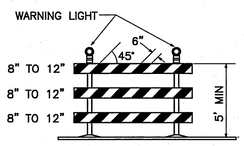
City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	5	35

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3.20.17





NOTE:
ALL SIGNS TO BE MOUNTED WITH A 4#/FT FLANGE POST WITH BASE POST (3.5' BURY) OR EQUAL.



TYPE III BARRICADE
NOTE: INCIDENTAL TO COST

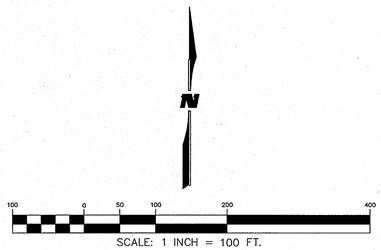
NOTE:
STREET NAME SIGNS AND WHERE APPROPRIATE 'NO OUTLET' SIGNS BY COA. SIGNS TO BE MOUNTED ON STOP SIGN POST.

LEGEND

- PROPOSED STOP SIGN
- 50' FULL CROWN TRANSITION
- 25' HALF CROWN TRANSITION
- PHASE LINE
- CENTER LINE
- RIGHT OF WAY
- CURB & GUTTER W/SIDEWALK
- EASEMENT
- LOT LINES
- F/F — FACE TO FACE
- F/F* — FACE OF CURB TO FACE OF TEMP ASPHALT CURB
- SIDEWALK
- CURB & GUTTER
- PROPOSED 100 HPS LIGHT STANDARD (TO BE INSTALLED BY THIS CONTRACT)

PAVING LEGEND

- LA CUENTISTA UNIT II –OFFSITE FOR INFORMATION ONLY (CPN 709786) REDROOT STREET
- LA CUENTISTA UNIT II – PHASE 1
- LA CUENTISTA UNIT II – PHASE 2



WILSON #1460008900
SEPT 2016

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS

ACS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS-BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

RONALD M. DURHAM
NEW MEXICO
17618
9/22/16
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

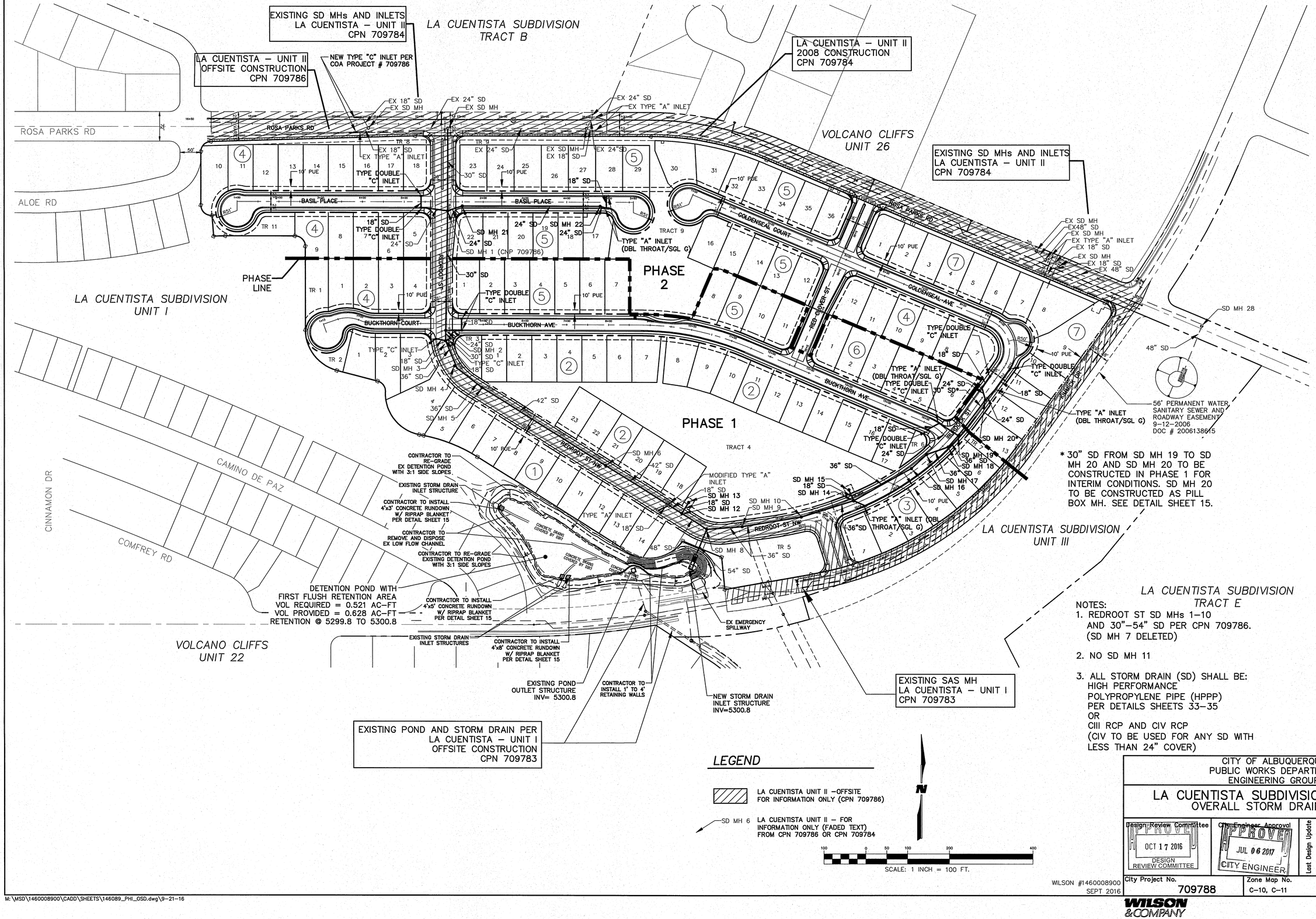
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION – UNIT II
OVERALL PAVING, LIGHTING, & SIGNING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE	APPROVED JUL 06 2017 CITY ENGINEER			

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	6	35

WILSON & COMPANY



NOTES:
1. REDROOT ST SD MHs 1–10 AND 30"–54" SD PER CPN 709786. (SD MH 7 DELETED)
2. NO SD MH 11
3. ALL STORM DRAIN (SD) SHALL BE:
   HIGH PERFORMANCE POLYPROPYLENE PIPE (HPPP) PER DETAILS SHEETS 33–35
   OR
   CIII RCP AND CIV RCP
   (CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK ISSUED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW. EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DURHAM, NEW MEXICO, 17616, 9/21/16, PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION – UNIT II
OVERALL STORM DRAIN PLAN

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER

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

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	7	35

WILSON #1460008900
SEPT 2016

WILSON & COMPANY

M: \MSD\1460008900\CADD\SHEETS\146089_PHI_OSD.dwg\9–21–16

FIRE HYDRANT & VALVE AS BUILT INFORMATION PH 2					
PH 2	ROADWAY	FH STATION	GV STATION	NORTHING	EASTING
	BASIL PLACE WEST	1+0.00 64.42' RT			
			1+46.0 10' LT		
	BASIL PLACE EAST	5+99.78 9.67' RT			
			5+63.13 10' LT		
	RED CLOVER ST	2+23.22 10' RT			
			1+32.0 10' RT		
	GOLDEN SEAL CT	0+58.89 17.50' LT			
			4+56.0 CL		
	GOLDEN SEAL AVE	9+34.73' 18.29' LT			

FIRE HYDRANT & VALVE AS BUILT INFORMATION PH 1					
PH 1	ROADWAY	FH STATION	GV STATION	NORTHING	EASTING
	BUCKTHORN CT	1+62.26 31.40' RT			
			3+69.91 8' LT		
	BUCKTHORN AVE	5+21.09 10' LT			
		9+94.00 10' LT			
		13+10.00 10' LT			
			4+30.09 10' LT		
			16+44.77 10' LT		
	BURDOCK ST	5+29.34 7.18' LT			
			2+96.63 11.83' RT		
	REDROOT ST NW		6+73.15 8.47' LT		
		2+45.00 10' RT			
		9+50.90 10' RT			
		13+85.00 10' RT			
		15+60.00 10' RT			
			1+92.00 10' RT		
			6+11.89 10' RT		

LA CUENTISTA SUBDIVISION TRACT B

EXISTING 12" WL, 8" SAS & SAS MHs LA CUENTISTA – UNIT II CPN 709784

50' PERMANENT PUBLIC ROADWAY, DRAINAGE, WATER, AND SANITARY SEWER EASEMENT FILED: 6-20-07 DOC#2007090419

ROSA PARKS RD

ALOE RD

VOLCANO CLIFFS UNIT 26

PHASE 2

PHASE 1

LA CUENTISTA SUBDIVISION UNIT 1

EXISTING 12" WL, 8" SAS & SAS MHs LA CUENTISTA – UNIT II CPN 709784 ACCEPTED PER SAD 228 VOL 3 CPN 693391

APPROVED 8" SAS & SAS MHs LA CUENTISTA – UNIT II OFFSITE CPN 709786

56' PERMANENT WATER, SANITARY SEWER AND ROADWAY EASEMENT 9-12-2006 DOC # 2006138615

EXISTING 12" WL, 8" SAS & SAS MHs LA CUENTISTA – UNIT II CPN 709784 ACCEPTED PER SAD 228 VOL 3 CPN 693391

LA CUENTISTA SUBDIVISION TRACT E

CAMINO DE PAZ

REDROOT STREET ROW DEDICATED TO CITY OF ALBUQUERQUE (9/17/2015; DOC #2015081308)

FUTURE LA CUENTISTA SUBDIVISION UNIT III

EXISTING SAS MH LA CUENTISTA – UNIT 1 CPN 709783

WATER SHUT-OFF PLAN

WATER SHUT-OFF PLAN:

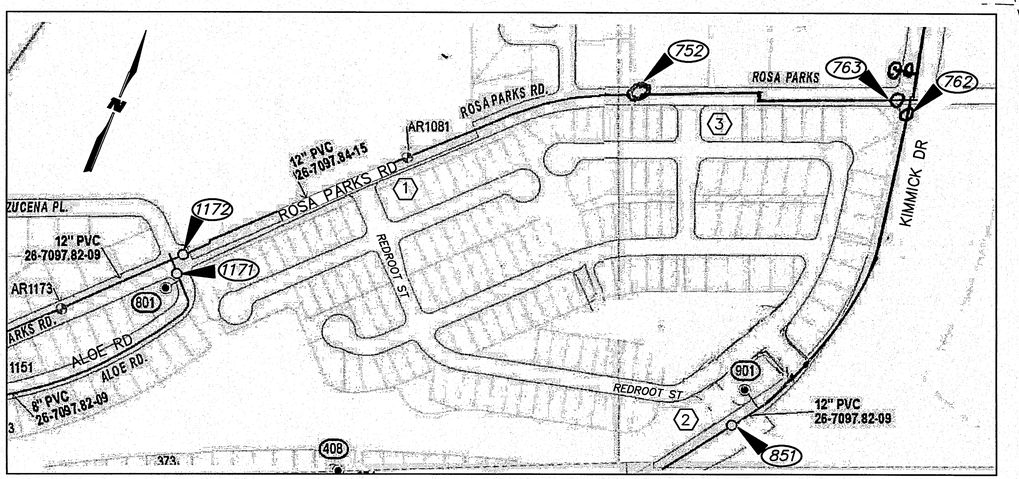
1. SHUT OFF – 12" VALVES 1172 & 752 (PH 1)
2. SHUT OFF – 12" VALVES 851 & 762 (PH 1)
3. SHUT OFF – 12" VALVES 752 & 763 (PH 2)

WATER SHUT-OFF REQUIREMENTS:

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS.

CONTRACTOR SHALL NOT OPERATE CITY VALVES.

SHUT-OFF REQUESTS MUST BE MADE ONLINE AT: HTTP://wwwabcwua.org/Water_Shut_off and_Turn_on_Procedures.aspx.



LEGEND

- RIGHT OF WAY
- SANITARY SEWER MANHOLE
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER
- PHASE LINE
- EXIXTING WATER LINE
- EXISTING SEWER LINE
- GATE VALVE
- FIRE HYDRANT THIS PROJECT
- REDUCER

SCALE: 1 INCH = 100 FT.

NOTES:

1. REDROOT ST FIRE HYDRANTS AND 8" WATER LINE (WL) TO BE INSTALLED PER THIS PROJECT (CPN 709787).
2. REDROOT ST SANITARY SEWER (SAS) MHs 1–6, 8 & 9 AND 8" SAS (FADED TEXT AND DASHED LINEWORK) PER CPN 709786.
3. ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.
4. ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.
5. ALL WATER LINE (WL) TO BE C-900 PVC.
6. ALL FIRE HYDRANTS PER STD DWG 2340 AND SHALL INCLUDE 6" GV AND TYPE "A" BOX.
7. TRACER WIRE SHALL BE INSTALLED ON ALL WATER AND SANITARY SEWER INFRASTRUCTURE.

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
RECORDED BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS COMPILED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
ACS 1 2" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01
	BOUNDARY, WCI	09/14

ENGINEER'S SEAL
DONALD M. DUNHAM NEW MEXICO 17678 PROFESSIONAL ENGINEER
3/24/17 DMD

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION – UNIT II
OVERALL UTILITY PLAN

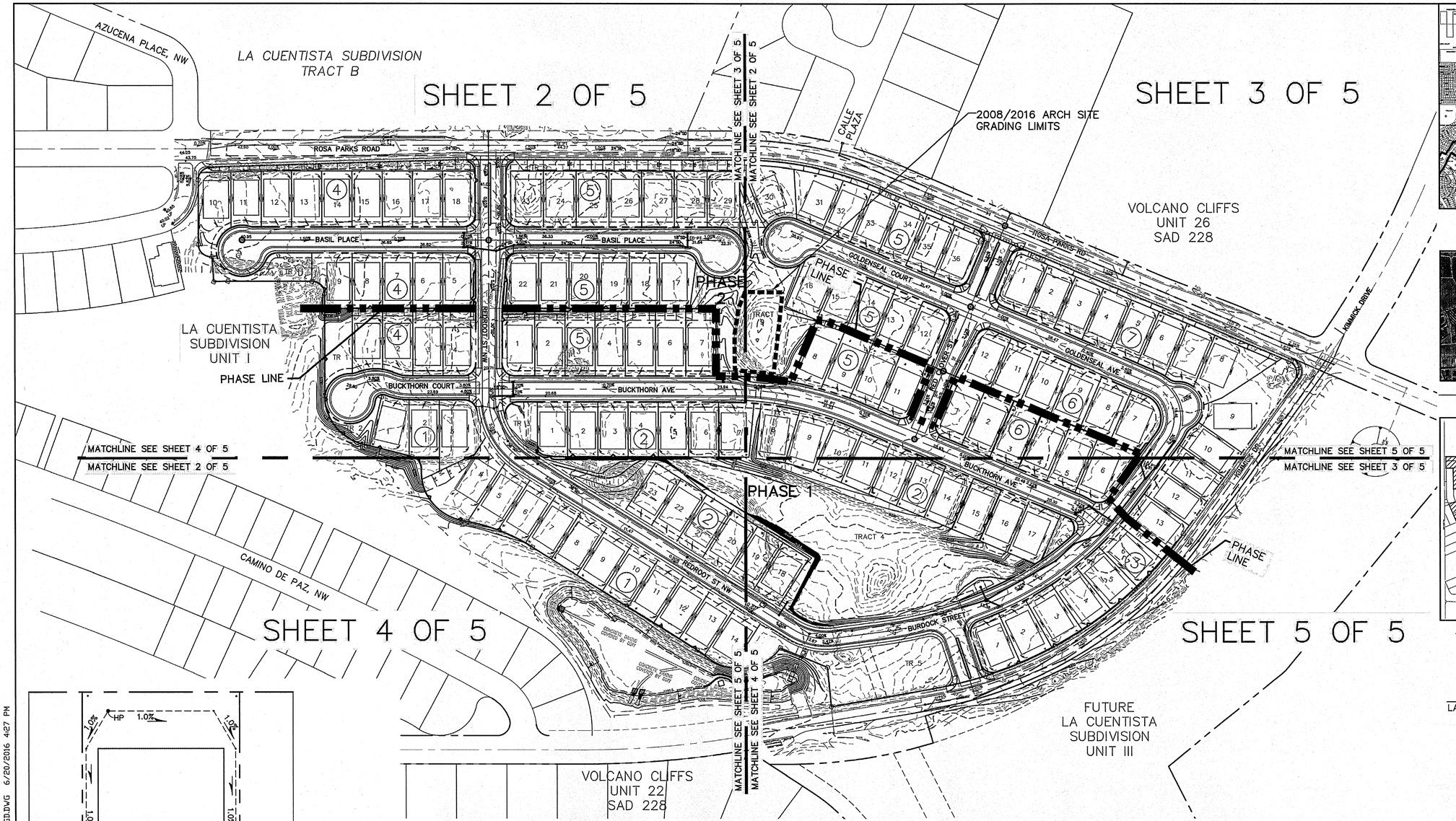
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE	APPROVED JUL 06 2017 CITY ENGINEER			

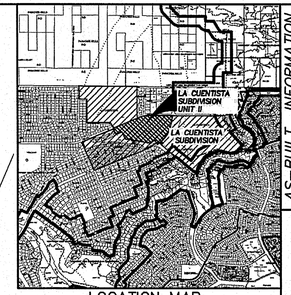
City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	8	35

WILSON #1460008900
SEPT 2016

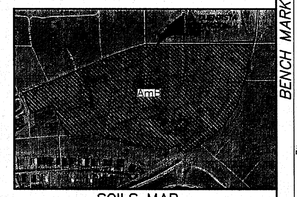
WILSON & COMPANY

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3-20-17

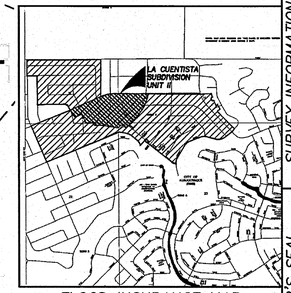




LOCATION MAP
ZONE ATLAS MAP NO. C-10, C-11

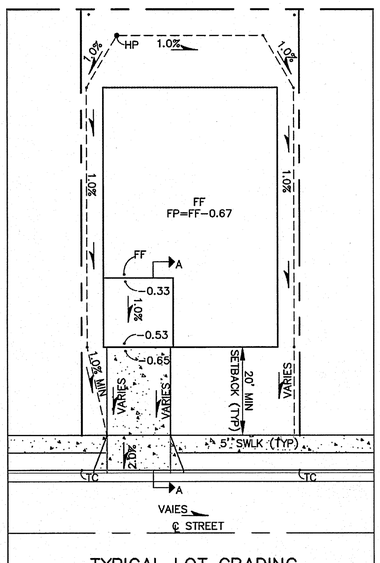


SOILS MAP
REFERENCE: NRCS WEBSITE SOIL MAP



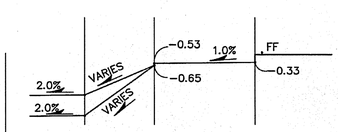
FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY MAP NUMBER 35001C0112G PANEL 112

LEGAL DESCRIPTION
LA CUENTISTA SUBDIVISION, UNIT II

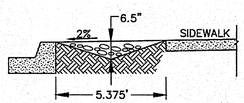


TYPICAL LOT GRADING
NTS

TYPICAL LOT DATA	
LOT SIZE:	60' X 120'
PAD SIZE:	50' X 75'
FRONT SETBACK:	20'
YARD SWALE SLOPE:	1.0%
DRIVE LOCATION:	HIGH SIDE



SECTION A-A
NTS



LANDSCAPE BUFFER SWALE
MODIFIED REVISED STD DWG 2405A & 2405B
NTS

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

WILSON #1460008900
MAY 2016

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED
"ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
SURVEYED BY	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	
DRAWINGS PREPARED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL
DONALD M. DUNEHAY NEW MEXICO 17641 PROFESSIONAL ENGINEER
6/20/16

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY; ENGINEERS & ARCHITECTS

DESIGNED BY	KIS	DATE	MAY 2016
DRAWN BY	ALL	DATE	MAY 2016
CHECKED BY	DSA	DATE	MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II PH 1 & 2 OVERALL GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	1 OF 5	9 OF 35

WILSON & COMPANY

FOR INFORMATION ONLY

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LA CUENTISTA SUBDIVISION TRACT B

ROSA PARKS ROAD

BASIL PLACE

BUCKTHORN COURT

BUCKTHORN AVE

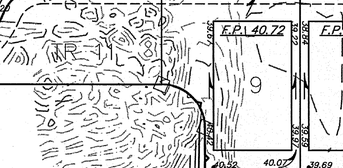
REDROOT ST NW

MATCHLINE SEE SHEET 2 OF 4

MATCHLINE SEE SHEET 3 OF 4

LA CUENTISTA SUBDIVISION UNIT I

SECTION A–A
5' SWALE DETAIL
SCALE: 1"=5'



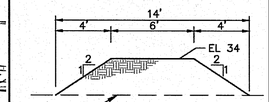
LEGEND

	RIGHT OF WAY
FP = 00.0	FINISH PAD ELEVATION
	FLOW DIRECTION
• 30.34	SPOT ELEVATION (FLOWLINE LT & RT)
25.9	LOT GRADING SPOT ELEVATION
	REAR YARD SLOPE
	TOE OF SLOPE
	RETAINING WALL
	2008/2016 ARCHEOLOGICAL SITE GRADING LIMITS

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

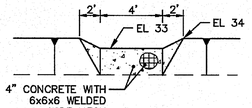
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WILSON #1460008900
MAY 2016

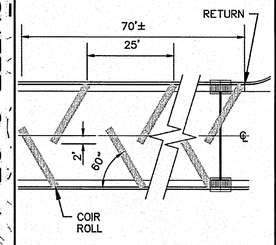


SECTION B–B
INTERIM EROSION CONTROL BERM DETAIL
SCALE: 1"=5'

BASIL PLACE EAST
STA 4+53 TO STA 6+10

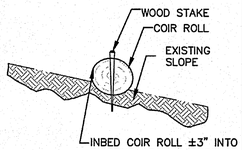


INTERIM BERM OVERFLOW DETAIL
SCALE: 1"=5'



INTERIM EROSION CONTROL SYSTEM DETAIL
SCALE: 1"=20'

BASIL PLACE WEST
STA 4+76 TO STA 5+46



COIR ROLL DETAIL
SCALE: 1" = 2'

DONALD M. DUNHAM
NEW MEXICO
17616
PROFESSIONAL ENGINEER
6/24/16

ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
AS-BUILTS PROVIDED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED
"ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

	BY	DATE
DESIGNED BY	KIS	MAY 2016
DRAWN BY	ALL	MAY 2016
CHECKED BY	DSA	MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
GRADING PLAN

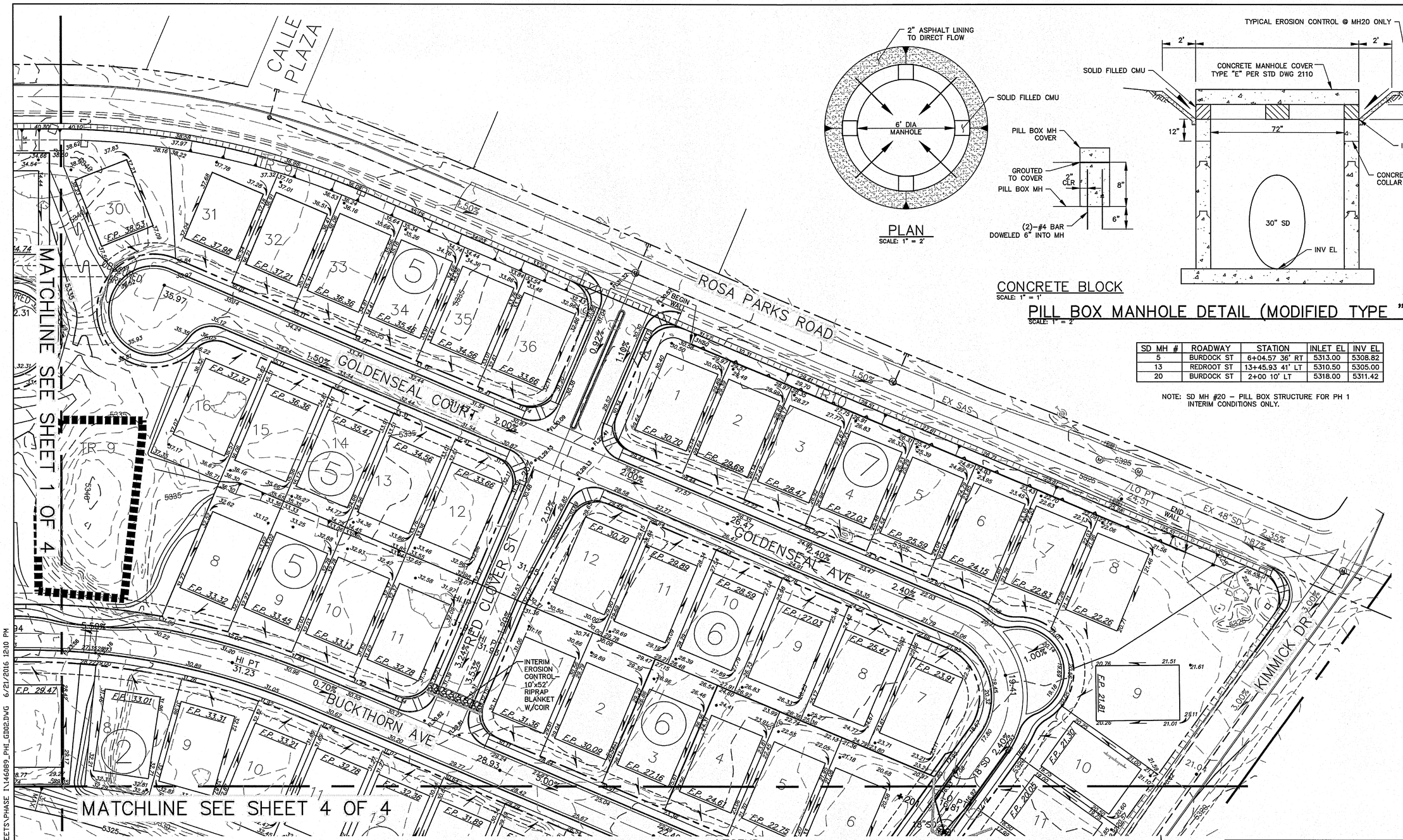
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	2 OF 5	10 OF 35

WILSON & COMPANY

FOR INFORMATION ONLY

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PLAN
SCALE: 1" = 2'

CONCRETE BLOCK
SCALE: 1" = 1'

PILL BOX MANHOLE DETAIL (MODIFIED TYPE "E")
SCALE: 1" = 2

SD MH #	ROADWAY	STATION	INLET EL	INV EL
5	BURDOCK ST	6+04.57 36' RT	5313.00	5308.82
13	REDROOT ST	13+45.93 41' LT	5310.50	5305.00
20	BURDOCK ST	2+00 10' LT	5318.00	5311.42

NOTE: SD MH #20 – PILL BOX STRUCTURE FOR PH 1 INTERIM CONDITIONS ONLY.

LEGEND

- RIGHT OF WAY
- FP = 00.0 — FINISH PAD ELEVATION
- FLOW DIRECTION
- • 30.34 — SPOT ELEVATION (FLOWLINE LT & RT)
- 25.9 — LOT GRADING SPOT ELEVATION
- REAR YARD SLOPE
- TOE OF SLOPE
- RETAINING WALL
- 2008/2016 ARCHEOLOGICAL SITE GRADING LIMITS

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N

WILSON #1460008900
MAY 2016

WILSON & COMPANY

FOR INFORMATION ONLY

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DUNELM NEW MEXICO 17616 REGISTERED PROFESSIONAL ENGINEER
6/20/16

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY	KIS
		DRAWN BY	ALL
		CHECKED BY	DSA

DATE MAY 2016
DATE MAY 2016
DATE MAY 2016

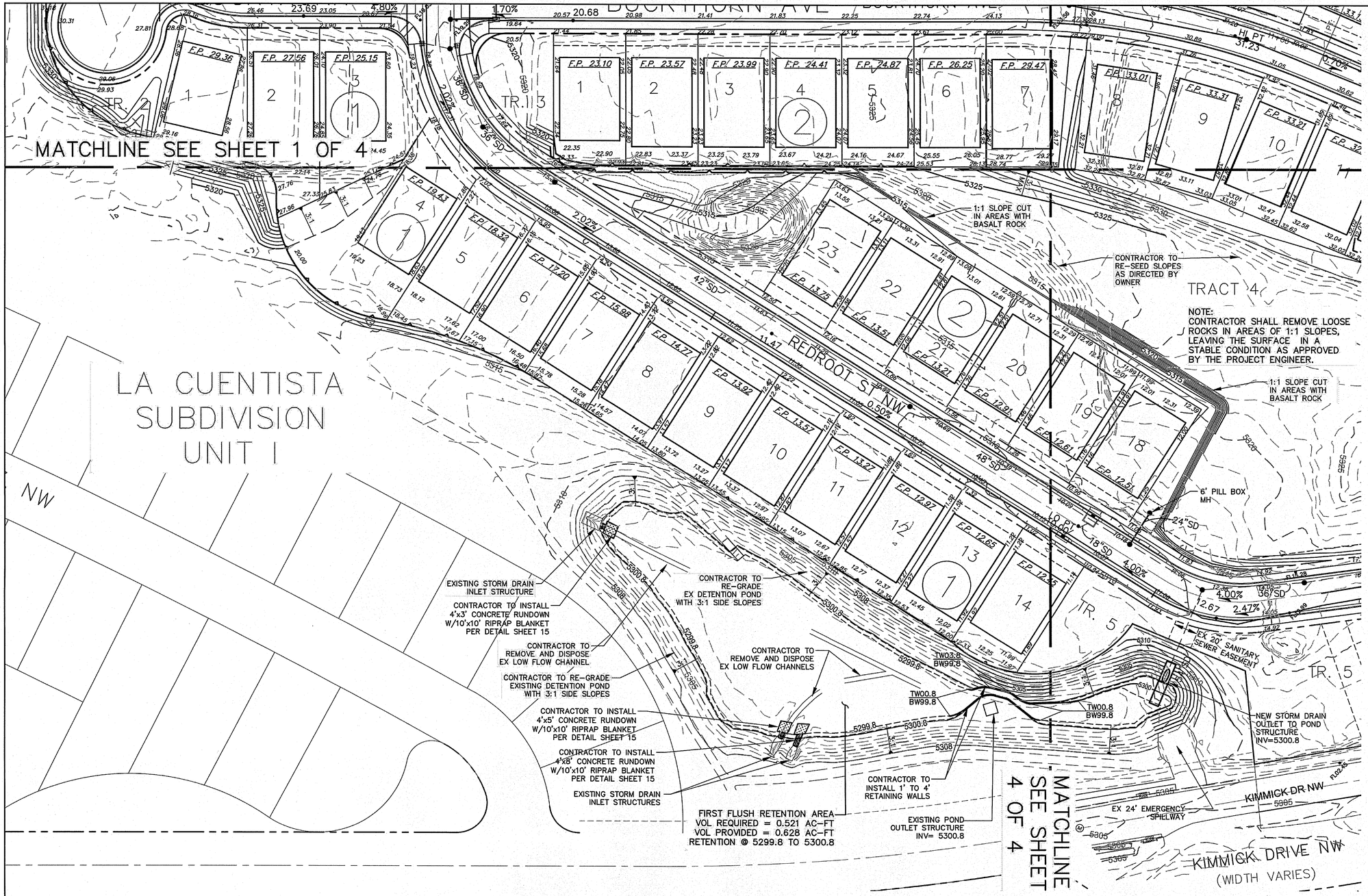
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	3 OF 5	11 OF 35

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LEGEND

- RIGHT OF WAY
- FP = 00.0 — FINISH PAD ELEVATION
- FLOW DIRECTION
- • 30.34 — SPOT ELEVATION (FLOWLINE LT & RT)
- 25.9 / 8 — LOT GRADING SPOT ELEVATION
- REAR YARD SLOPE
- TOE OF SLOPE
- RETAINING WALL

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

WILSON #1460008900
JUNE 2016

N

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS

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ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS-BUILT INFORMATION

CONTRACTOR

	DATE
WORK PERFORMED BY	
FORMAL INSPECTION & ACCEPTANCE BY	
AS-BUILT VERIFICATION BY	
DRAWINGS COMPILED BY	

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

DONALD M. DUNEMAN
NEW MEXICO
17616
PROFESSIONAL ENGINEER
6/28/16

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY KIS DATE MAY 2016
DRAWN BY KIS/ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
GRADING PLAN

Design Review Committee | City Engineer Approval

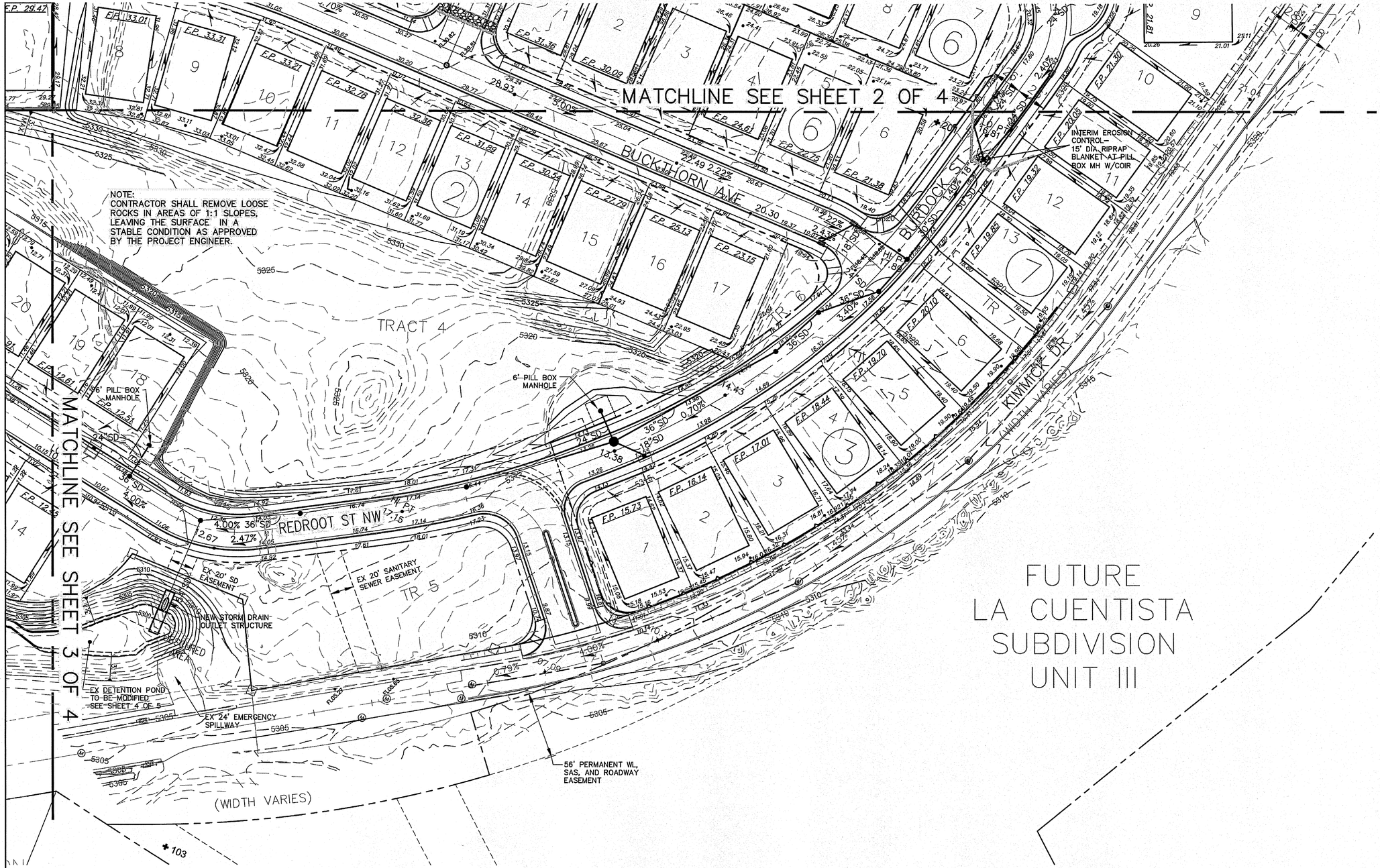
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	4 OF 5	12 OF 35

WILSON & COMPANY

FOR INFORMATION ONLY

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LEGEND

- RIGHT OF WAY
- FP = 00.0 — FINISH PAD ELEVATION
- FLOW DIRECTION
- • 30.34 — SPOT ELEVATION (FLOWLINE LT & RT)
- 25.9 — LOT GRADING SPOT ELEVATION
- REAR YARD SLOPE
- TOE OF SLOPE
- RETAINING WALL

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N

WILSON #1460008900
MAY 2016

AS-BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK ACCEPTED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CHECKED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL

DONALD M. DUNHAM
NEW MEXICO
17616
PROFESSIONAL ENGINEER
6/28/16

WILSON & COMPANY, ENGINEERS & ARCHITECTS

NO.	DATE	REMARKS	BY
		REVISIONS	
DESIGNED BY		KIS	DATE MAY 2016
DRAWN BY		ALL	DATE MAY 2016
CHECKED BY		DSA	DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
GRADING PLAN

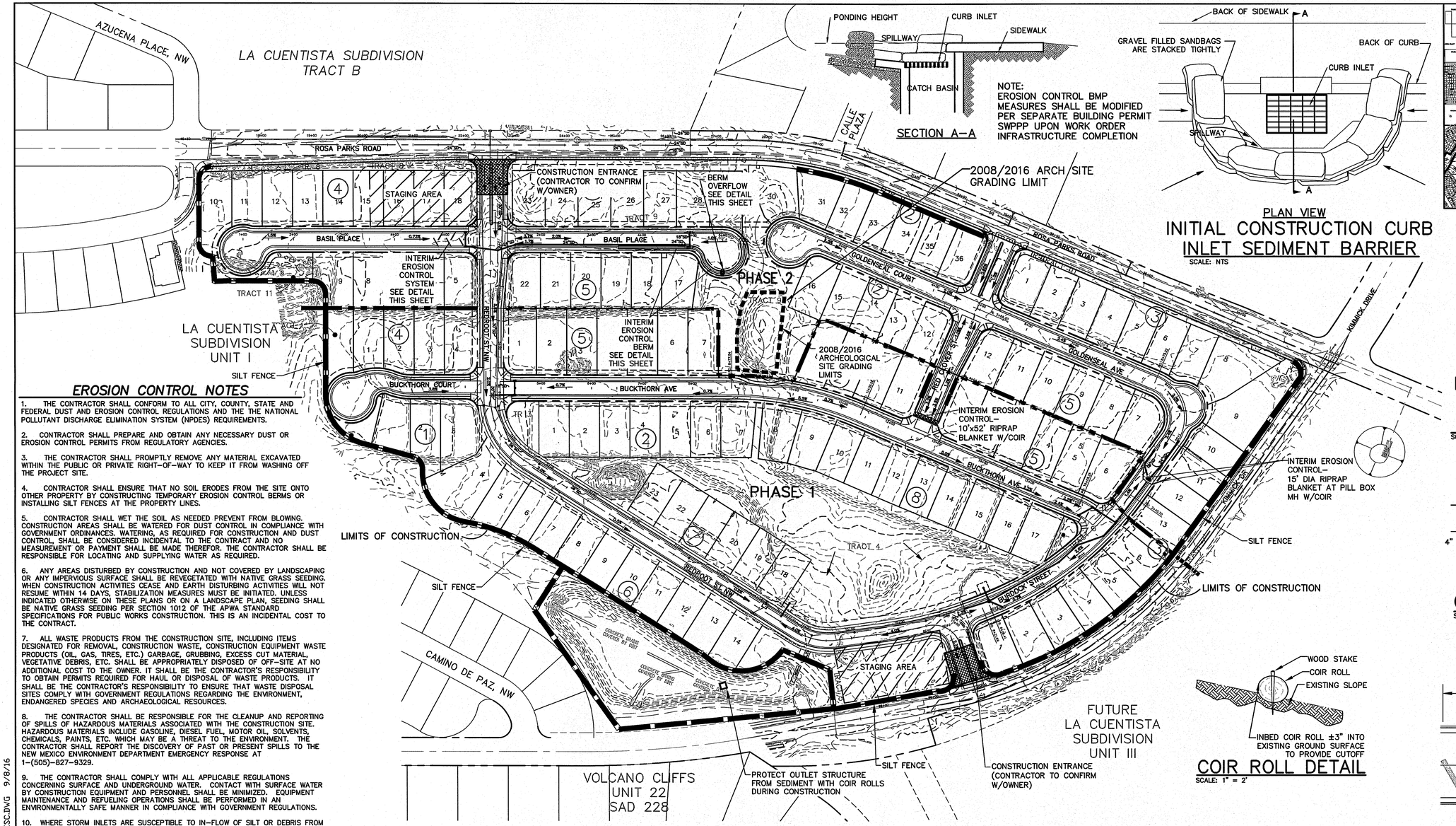
Design Review Committee | City Engineer Approval | Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 709788 | Zone Map No. C-10, C-11 | Drawing 5 OF 5 | Sheet 13 OF 35

WILSON & COMPANY

FOR INFORMATION ONLY

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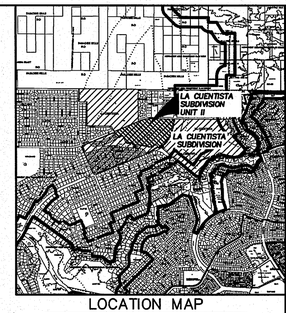
SECTION A–A

NOTE:
EROSION CONTROL BMP MEASURES SHALL BE MODIFIED PER SEPARATE BUILDING PERMIT SWPPP UPON WORK ORDER INFRASTRUCTURE COMPLETION

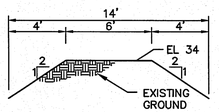
PLAN VIEW

INITIAL CONSTRUCTION CURB INLET SEDIMENT BARRIER

SCALE: NTS



LOCATION MAP
ZONE ATLAS MAP NO. C–10, C–11

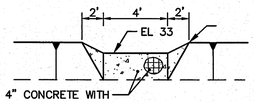


SECTION B–B

INTERIM EROSION CONTROL BERM DETAIL

SCALE: 1"=5'

BASIL PLACE EAST
STA 4+53 TO STA 6+10

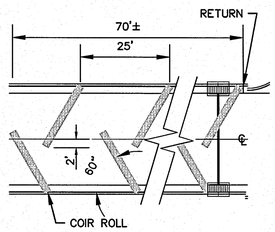


INTERIM BERM OVERFLOW DETAIL

SCALE: 1"=5'

COIR ROLL DETAIL

SCALE: 1" = 2'



INTERIM EROSION CONTROL SYSTEM DETAIL

SCALE: 1"=20'

BASIL PLACE WEST
STA 4+76 TO STA 5+46

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS AND THE THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.

2. CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.

3. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC OR PRIVATE RIGHT–OF–WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

4. CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS OR INSTALLING SILT FENCES AT THE PROPERTY LINES.

5. CONTRACTOR SHALL WET THE SOIL AS NEEDED PREVENT FROM BLOWING. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

6. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR ANY IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON A LANDSCAPE PLAN, SEEDING SHALL BE NATIVE GRASS SEEDING PER SECTION 1012 OF THE APWA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THIS IS AN INCIDENTAL COST TO THE CONTRACT.

7. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF–SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT WASTE DISPOSAL SITES COMPLY WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES AND ARCHAEOLOGICAL RESOURCES.

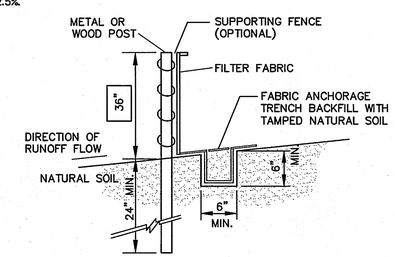
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1–(505)–827–9329.

9. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

10. WHERE STORM INLETS ARE SUSCEPTIBLE TO IN–FLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE INSTALLED ON INLET UPSTREAM SIDE.

11. DIRT PILE FROM EXCAVATION SHOULD BE PLACED ON THE UPHILL SIDE OF THE UTILITY CUT.

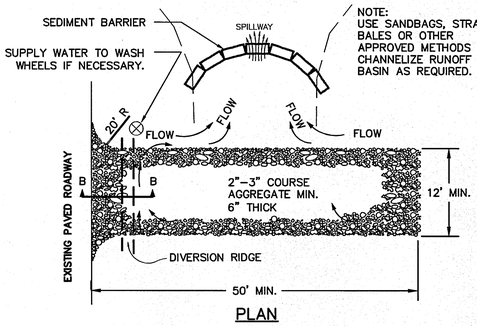
12. INSTALL WATTLES OR J–HOOK SILT FENCE WHERE STREET LONGITUDINAL SLOPE EXCEEDS 2.5%.



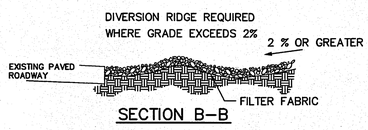
ELEVATION

SILT FENCE DETAIL

C1 NTS



PLAN



SECTION B–B

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROW. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.

3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABLIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

A4 NTS

LEGEND

- SILT FENCE
- PHASE LINE
- INLET PROTECTION
- DIRECTION OF FLOW
- CONSTRUCTION ENTRANCE

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

N

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING,	WCI 05/01
	BOUNDARY,	WCI 06/01
	BOUNDARY,	WCI 10/01

BENCH MARKS
ACS 1 ¾" ALUMINUM DISK STAMPED
"ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
AS–BUILT VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DUNEMAN
NEW MEXICO
17676
9/08/16
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY	KTS DATE AUG. 2003
		DRAWN BY	VKL DATE AUG. 2003
		CHECKED BY	DSA DATE AUG. 2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

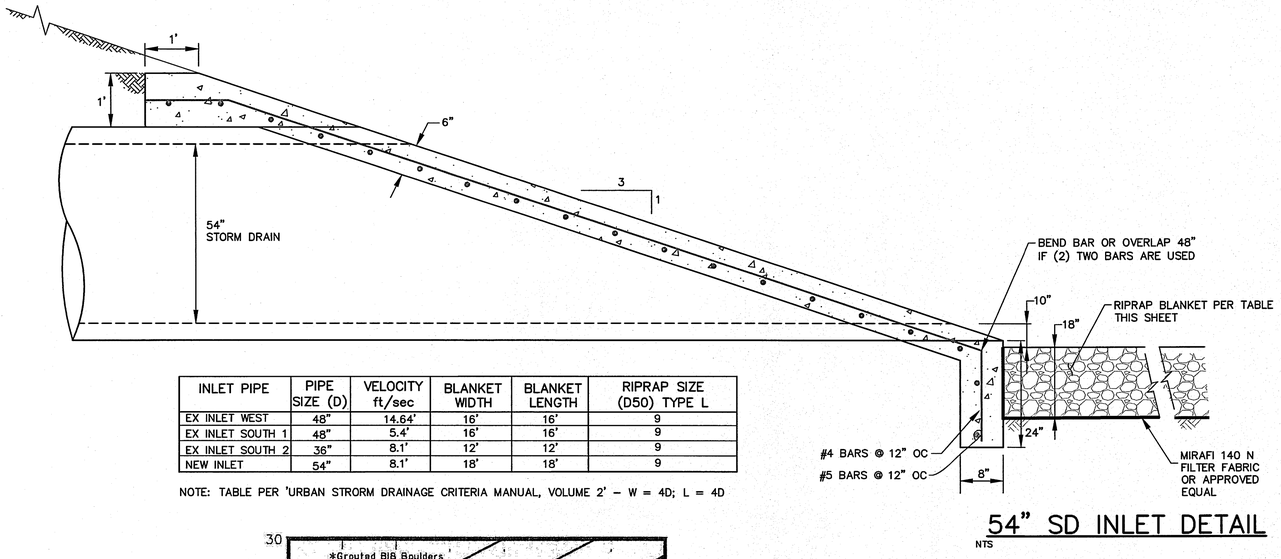
LA CUENTISTA SUBDIVISION UNIT II
EROSION & SEDIMENT CONTROL PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED OCT 17 2017 DESIGN REVIEW COMMITTEE	APPROVED JUL 06 2017 CITY ENGINEER			

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	14	32

WILSON #1460008900
JUNE 2016 WILSON & COMPANY

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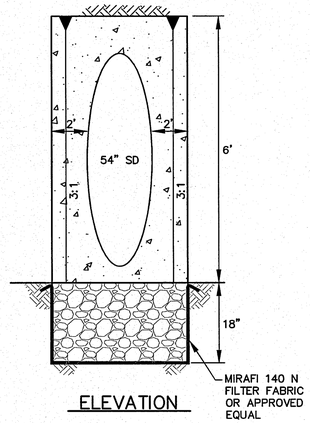


INLET PIPE	PIPE SIZE (D)	VELOCITY ft/sec	BLANKET WIDTH	BLANKET LENGTH	RIPRAP SIZE (D50) TYPE L
EX INLET WEST	48"	14.64'	16'	16'	9
EX INLET SOUTH 1	48"	5.4'	16'	16'	9
EX INLET SOUTH 2	36"	8.1'	12'	12'	9
NEW INLET	54"	8.1'	18'	18'	9

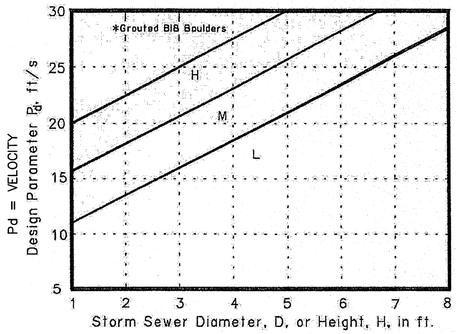
NOTE: TABLE PER 'URBAN STRORM DRAINAGE CRITERIA MANUAL, VOLUME 2' – W = 4D; L = 4D

54" SD INLET DETAIL

NTS

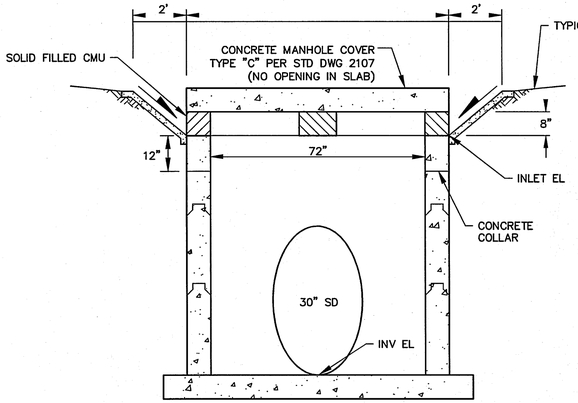


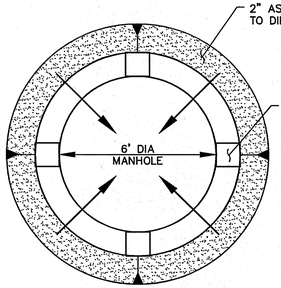
ELEVATION



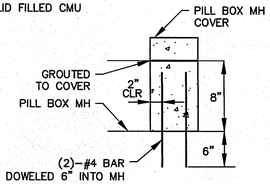
RIPRAP SELECTION CHART

RIP RAP TYPES H, M, & L PER STD SPECIFICATION
SECTION 109 – TABLE 109.A





PLAN
SCALE: 1" = 2'



CONCRETE BLOCK
SCALE: 1" = 1'

PILL BOX MANHOLE DETAIL (MODIFIED TYPE "E")

SCALE: 1" = 2'

SD MH #	ROADWAY	STATION	INLET EL	INV EL
15	BURDOCK ST	6+04.57 36' RT	5313.00	5308.82
13	REDROOT ST	13+45.93 41' LT	5310.50	5305.00
20	BURDOCK ST	2+00 10' LT	5318.00	5311.42

NOTE: SD MH #20 – PILL BOX STRUCTURE FOR PH 1
INTERIM CONDITIONS ONLY.

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED
"ACS BM 5–D11" LOCATED 72' ±
ESE OF THE CENTER OF THE
CUL–DE–SAC AT THE SOUTH END OF
RIDGEWAY DR. NW, EPOXIED TO LAVA
ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DUNKMAN
NEW MEX.
17616
PROFESSIONAL ENGINEER
9/21/16

NO.	DATE	REVISIONS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY KIS	DATE JUNE 2016
		DRAWN BY ALL	DATE JUNE 2016
		CHECKED BY DSA	DATE JUNE 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
MISCELLANEOUS DETAILS

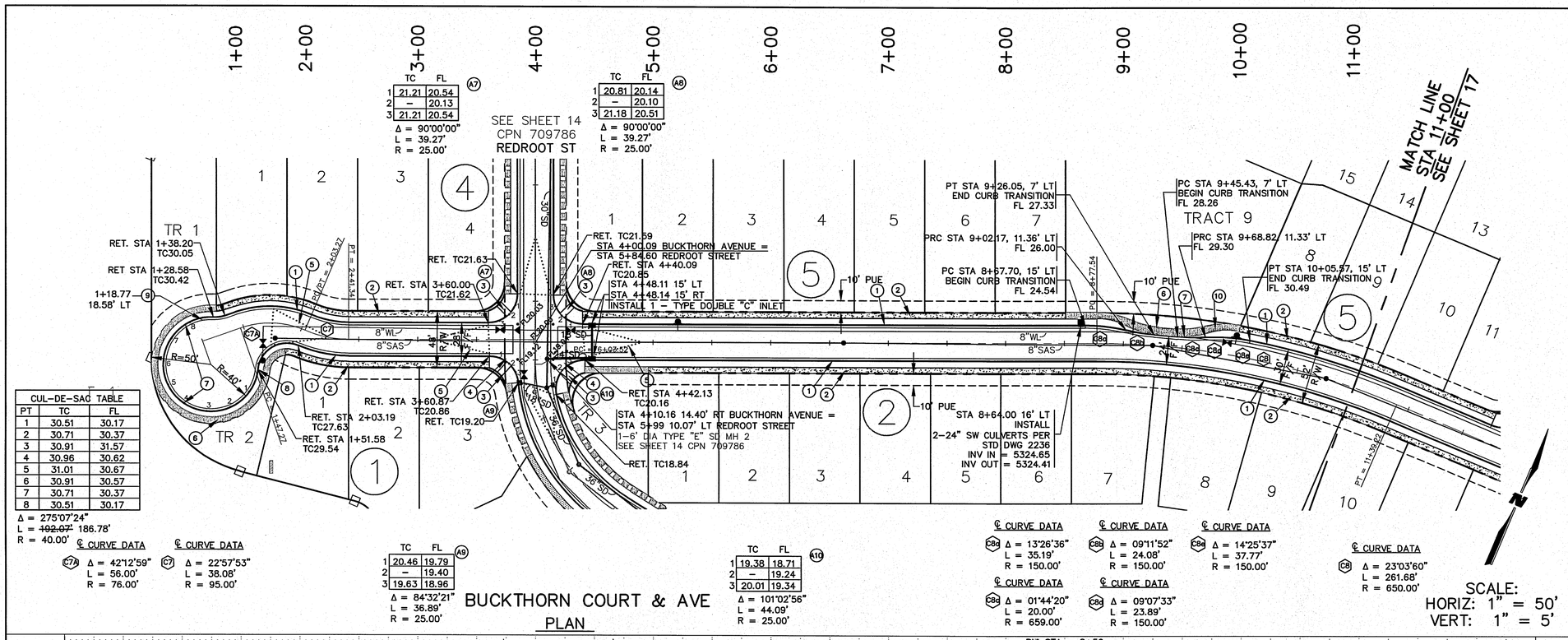
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER

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

City Project No. 709788
Zone Map No. C–10, D–10 C–11, D–11
Drawing 15
Sheet 35

WILSON #1460008900
SEPT 2016

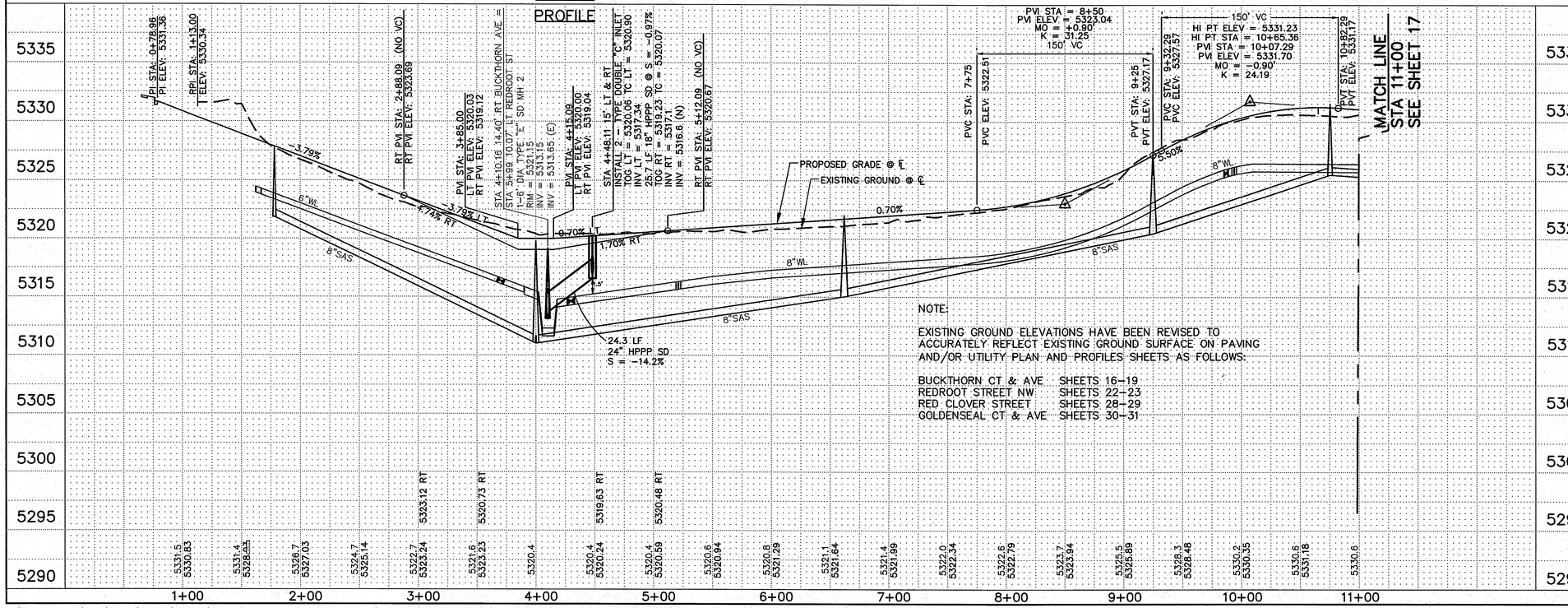
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BUCKTHORN COURT & AVE

PLAN

PROFILE



NOTE:

EXISTING GROUND ELEVATIONS HAVE BEEN REVISED TO ACCURATELY REFLECT EXISTING GROUND SURFACE ON PAVING AND/OR UTILITY PLAN AND PROFILES SHEETS AS FOLLOWS:

BUCKTHORN CT & AVE	SHEETS 16–19
REDROOT STREET NW	SHEETS 22–23
RED CLOVER STREET	SHEETS 28–29
GOLDENSEAL CT & AVE	SHEETS 30–31

NOTES

SEE TYPICAL ROADWAY SECTION, SHEET 5
SECTION C – BUCKTHORN CT
SECTION A – BUCKTHORN AVE

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT 5 OR 6' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

⑦ CONSTRUCT MOUNTABLE CURB (ROLL TYPE) PER STD DWG 2415A

⑧ 10' MIN TRANSITION FROM STANDARD CURB TO MOUNTABLE CURB

⑨ 10' MIN TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB

⑩ STA 8+51.09, 21' LT TO STA 9+95.59, 21' LT TRANSITION 5' OFFSET TYPE SIDEWALK TO 6' CURB TYPE SIDEWALK PER COA STD DWG 2432

ALL PROFILE ELEVATIONS ARE FLOWLINE (FL) ELEVATIONS RIGHT (RT) AND LEFT (LT) UNLESS OTHERWISE NOTED.

ALL FL RETURNS ON CUL–DE SACS HAVE A 25' RADIUS.

ALL STORM DRAIN (SD) SHALL BE:
HIGH PERFORMANCE
POLYPROPYLENE PIPE (HPPP)
PER DETAILS SHEETS 33–35
OR
CIII RCP AND CIV PCP
(CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

SIDEWALK LEGEND

- DEFERRED 5' SIDEWALK CPN 709787 & 709788
- NON–DEFERRED 5' SIDEWALK CPN 709787 & 709788
- DEFERRED 5' SIDEWALK CPN 709786
- NON–DEFERRED 5' SIDEWALK CPN 709786

NOTE:

FADED TEXT AND/OR LINEWORK, PROVIDED HEREIN FOR INFORMATION, REPRESENT CONSTRUCTION PER PLAN SETS AS LISTED BELOW:

CPN 709786 – LA CUENTISTA UNIT II OFFSITE CONSTRUCTION

CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR
WORK STARTED BY / DATE
WORK COMPLETED / DATE
ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE

BENCH MARKS
ACS 1 2" ALUMINUM DISK STAMPED
"ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

MICRO–FILM INFORMATION
RECORDED BY / DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DURHAM
NEW MEXICO
10787
PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS
		REVISIONS
	BY	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
PAVING PLAN & PROFILE
BUCKTHORN COURT& AVE STA 1+00 TO STA 11+00

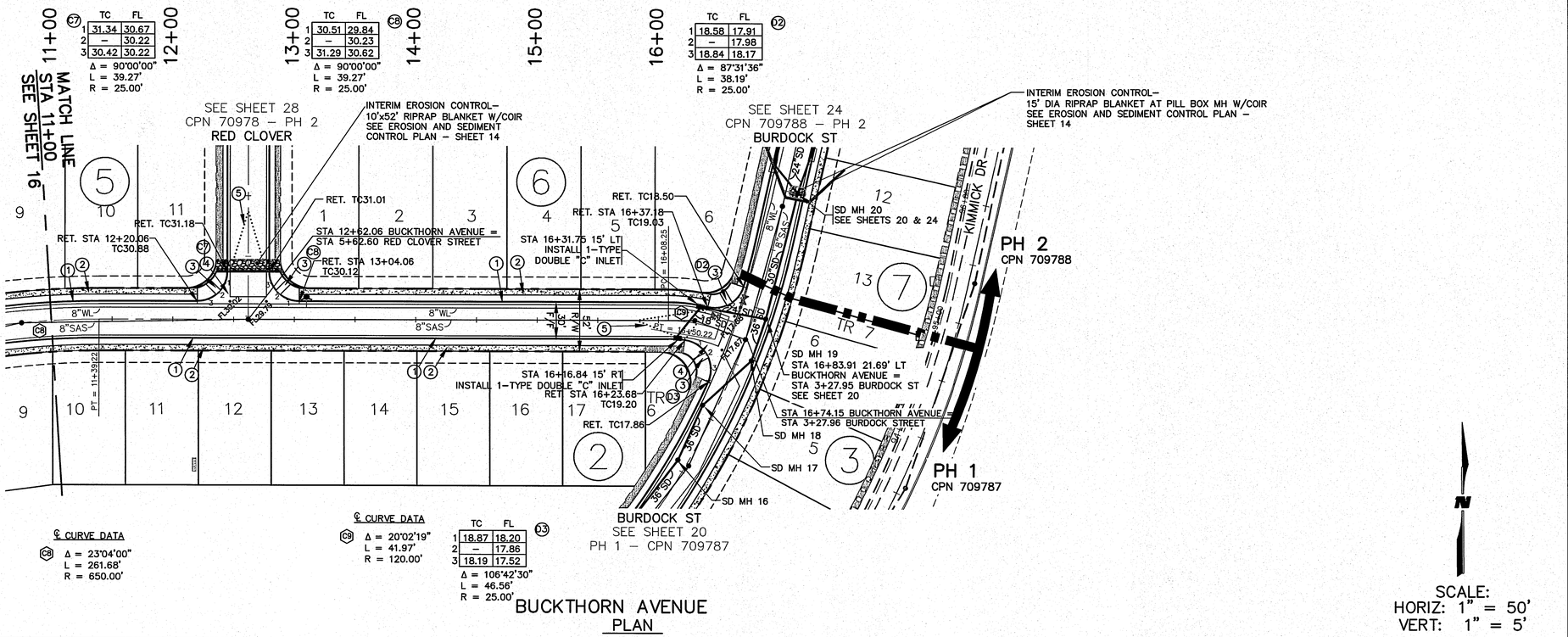
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 709788 | Zone Map No. C–10, C–11 | Drawing 16 | Sheet 35

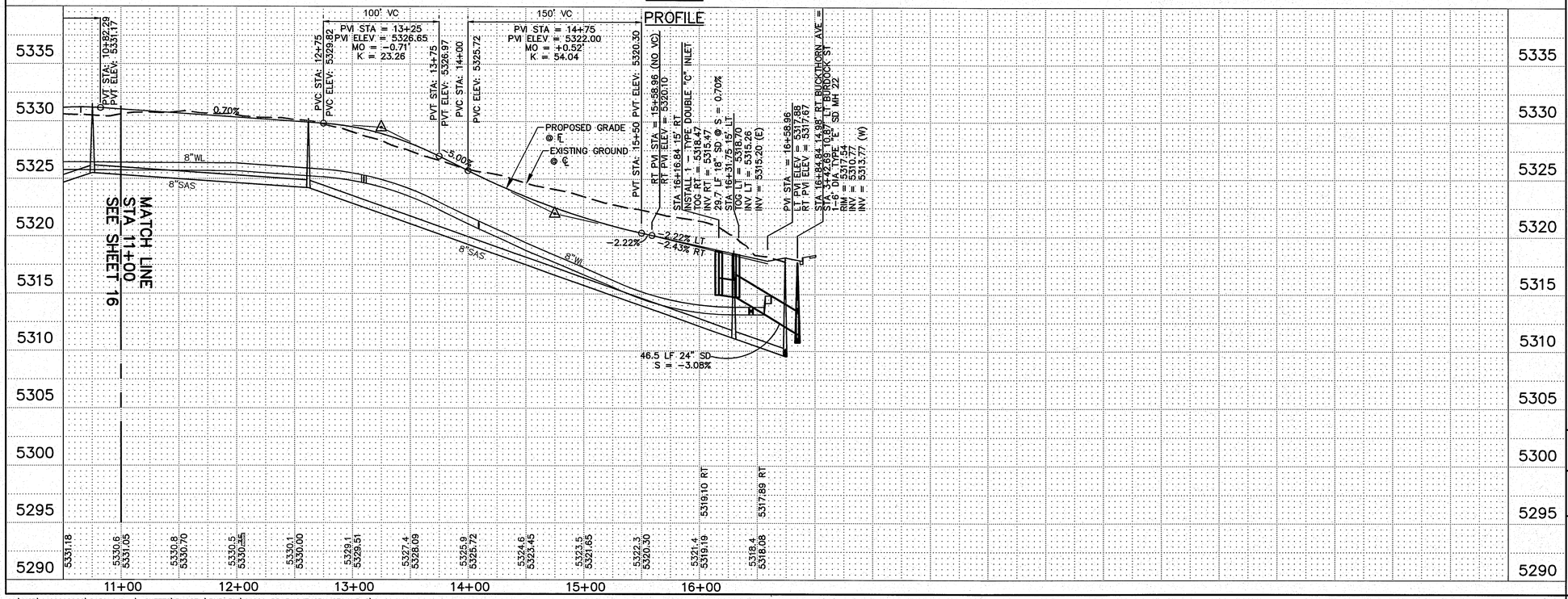
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WILSON #1460008900
SEPT 2016

WILSON & COMPANY



BUCKTHORN AVENUE
PLAN



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3.20.17

NOTES

SEE TYPICAL ROADWAY SECTION A SHEET 5

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

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OR
CIII RCP AND CIV PCP
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SIDEWALK LEGEND

- DEFERRED 5' SIDEWALK CPN 709787 & 709788
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- NON–DEFERRED 5' SIDEWALK CPN 709786

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CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK. IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS–BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DUNEHAN NEW MEXICO 17078 PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

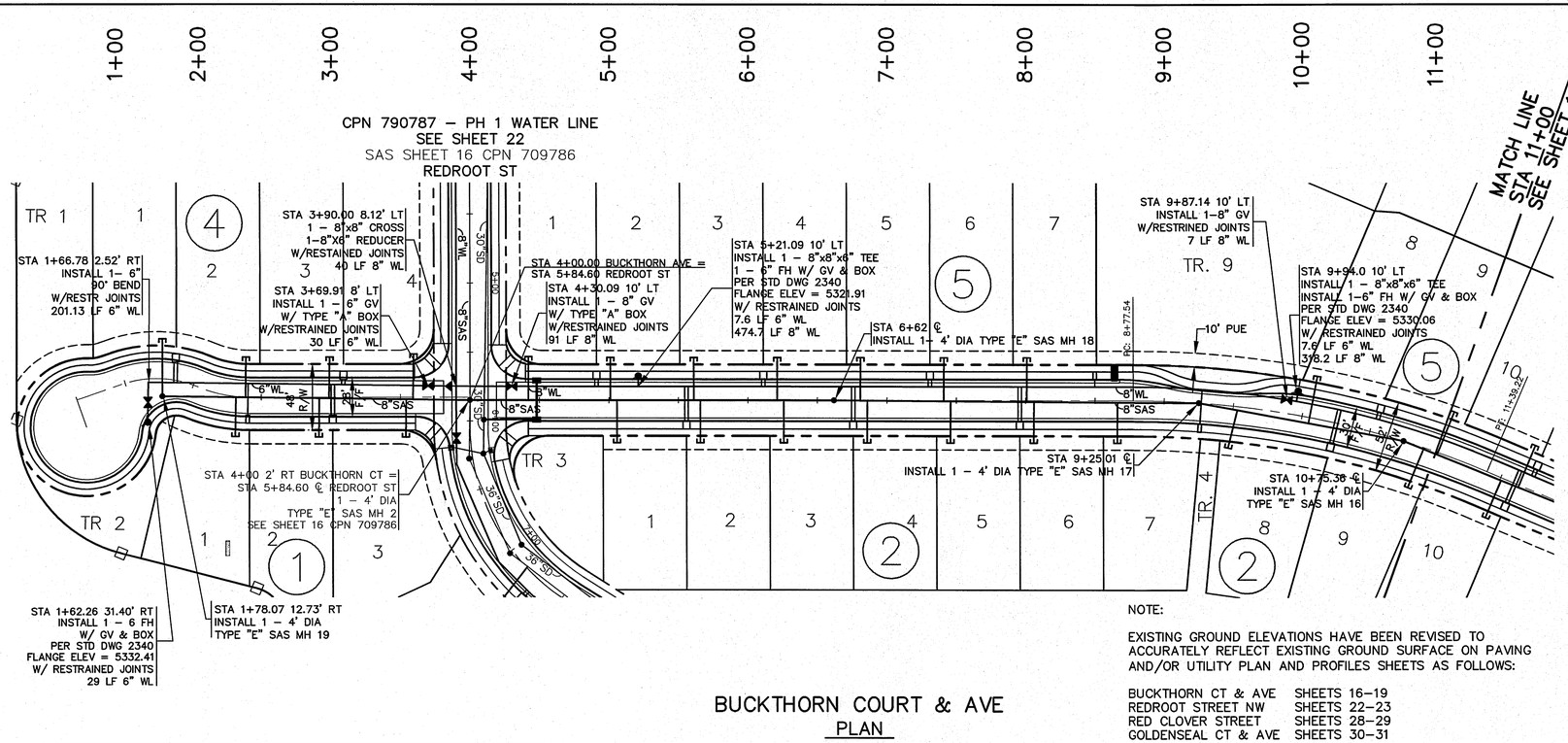
LA CUENTISTA SUBDIVISION UNIT II – PH 1
PAVING PLAN & PROFILE
BUCKTHORN AVENUE STA 11+00 TO STA 16+75

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	17	35

WILSON #1460008900
SEPT 2016

WILSON & COMPANY



NOTE:

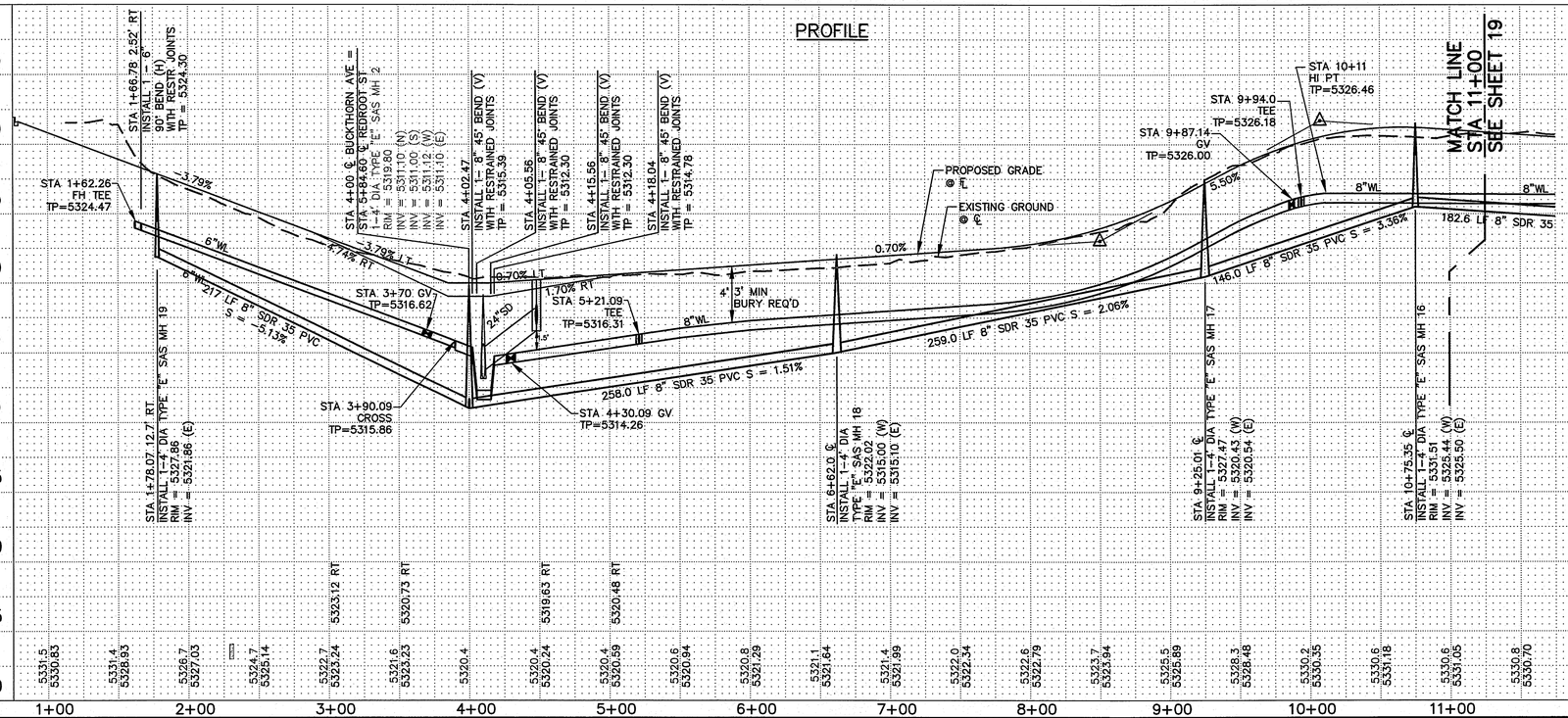
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REDROOT STREET NW	SHEETS 22–23
RED CLOVER STREET	SHEETS 28–29
GOLDENSEAL CT & AVE	SHEETS 30–31

BUCKTHORN COURT & AVE
PLAN

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

BUCKTHORN COURT & AVE
PROFILE



BUCKTHORN COURT & AVE

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
1+84.77	1,2	4	DOUBLE	15.0'	RIGHT
2+40.35	1	1	SINGLE	22.9'	RIGHT
3+09.00	3,4	4	DOUBLE	3.94	LEFT
3+01.34	2,3	1	DOUBLE	22.2'	RIGHT
4+91.09	1,2	5	DOUBLE	5.0'	LEFT
5+55.89	1,2	2	DOUBLE	25.0'	RIGHT
6+11.09	3,4	5	DOUBLE	5.0'	LEFT
6+75.89	3,4	2	DOUBLE	25.0'	RIGHT
7+31.09	5,6	5	DOUBLE	5.0'	LEFT
7+95.89	5,6	2	DOUBLE	25.0'	RIGHT
8+49.84	7	5	SINGLE	5.0'	LEFT
9+26.65	7	2	SINGLE	25.0'	RIGHT
10+53.24	8,9	5	DOUBLE	5.0'	LEFT
10+24.54	8,9	2	DOUBLE	25.0'	RIGHT

BUCKTHORN COURT & AVE

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
2+31.07	1	1	22.3	28.6'	RIGHT
2+91.68	2	1	19.9	28.3'	RIGHT
3+54.18	3	1	18.5	27.6'	RIGHT
1+77.35	1	4	24.5	38.5'	LEFT 2' RISER
2+38.65	2	4	22.0	31.0'	RIGHT
2+98.64	3	4	19.7	29.8'	LEFT 3' RISER
3+59.05	4	4	18.5	32.8'	RIGHT
4+42.12	1	5	17.1	31.5'	LEFT 4' RISER
5+05.89	1	2	17.4	31.0'	RIGHT
5+01.09	2	5	17.4	31.0'	LEFT 3' RISER
5+61.09	3	5	17.8	31.0'	LEFT 3' RISER
5+65.89	2	2	17.8	31.0'	RIGHT
6+21.09	4	5	18.2	31.0'	LEFT 3' RISER
6+25.89	3	2	18.3	31.0'	RIGHT
6+80.92	5	5	18.7	31.0'	LEFT 3' RISER
6+86.06	4	2	18.7	30.8'	RIGHT
7+40.94	6	5	19.1	30.5'	LEFT 3' RISER
7+46.05	5	2	19.1	31.0'	RIGHT
8+00.88	7	5	19.5	30.5'	LEFT 3' RISER
8+06.08	6	2	19.6	34.9'	RIGHT
10+05.41	8	5	27.1	29.7'	LEFT 2' RISER
8+66.08	7	2	21.0	33.5'	RIGHT
11+01.26	9	5	27.8	28.6'	LEFT 2' RISER
9+53.18	8	2	25.0	32.7'	RIGHT
10+90.86	9	2	27.9	30.0'	RIGHT

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C–900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

NOTE:

FADED TEXT AND/OR LINEWORK, PROVIDED HEREIN FOR INFORMATION, REPRESENT CONSTRUCTION PER PLAN SETS AS LISTED BELOW:

CPN 709786 – LA CUENTISTA UNIT II OFFSITE CONSTRUCTION

CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
WORK DONE
ACCEPTANCE BY
FIELD LOCATION BY
DRAWINGS
DRAWINGS DONE BY
DATE

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED
"ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

MICRO–FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DUNCAN
NEW MEXICO
17678
PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
UTILITY PLAN & PROFILE
BUCKTHORN COURT & AVE STA 1+00 TO STA 11+00

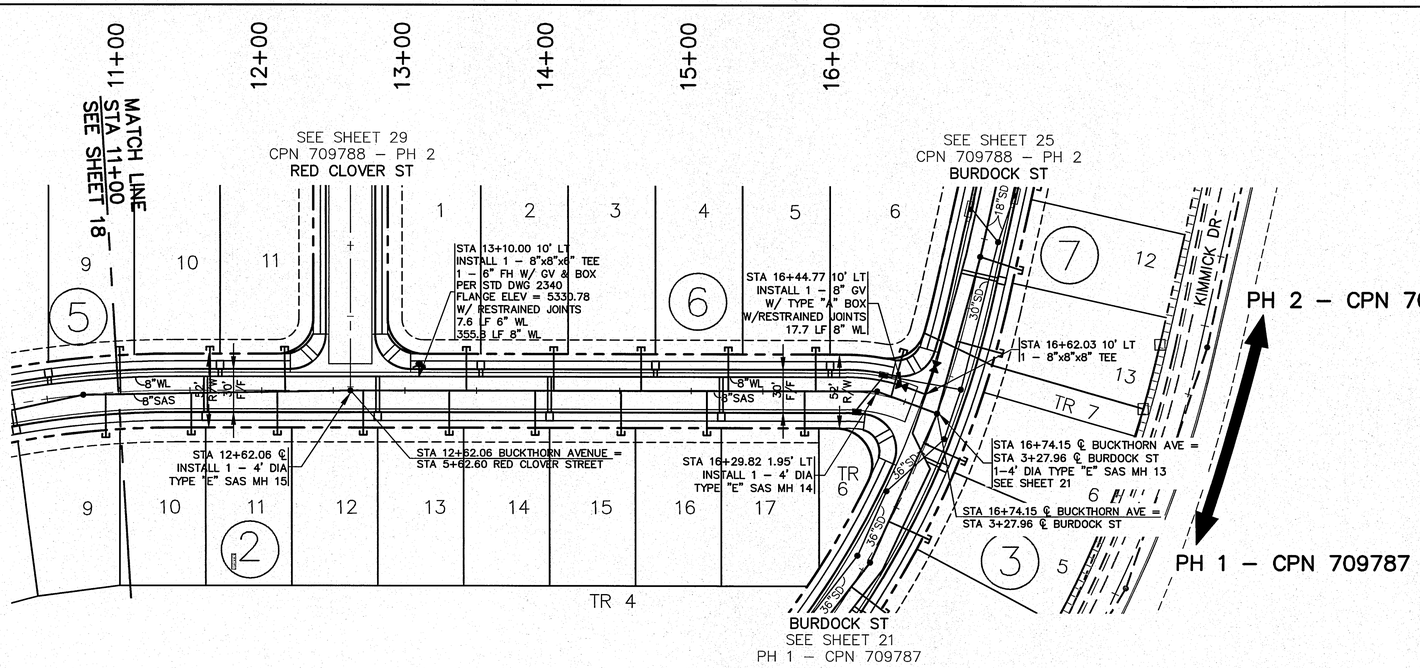
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 709788 | Zone Map No. C–10, C–11 | Drawing 18 | Sheet 35

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3-20-17

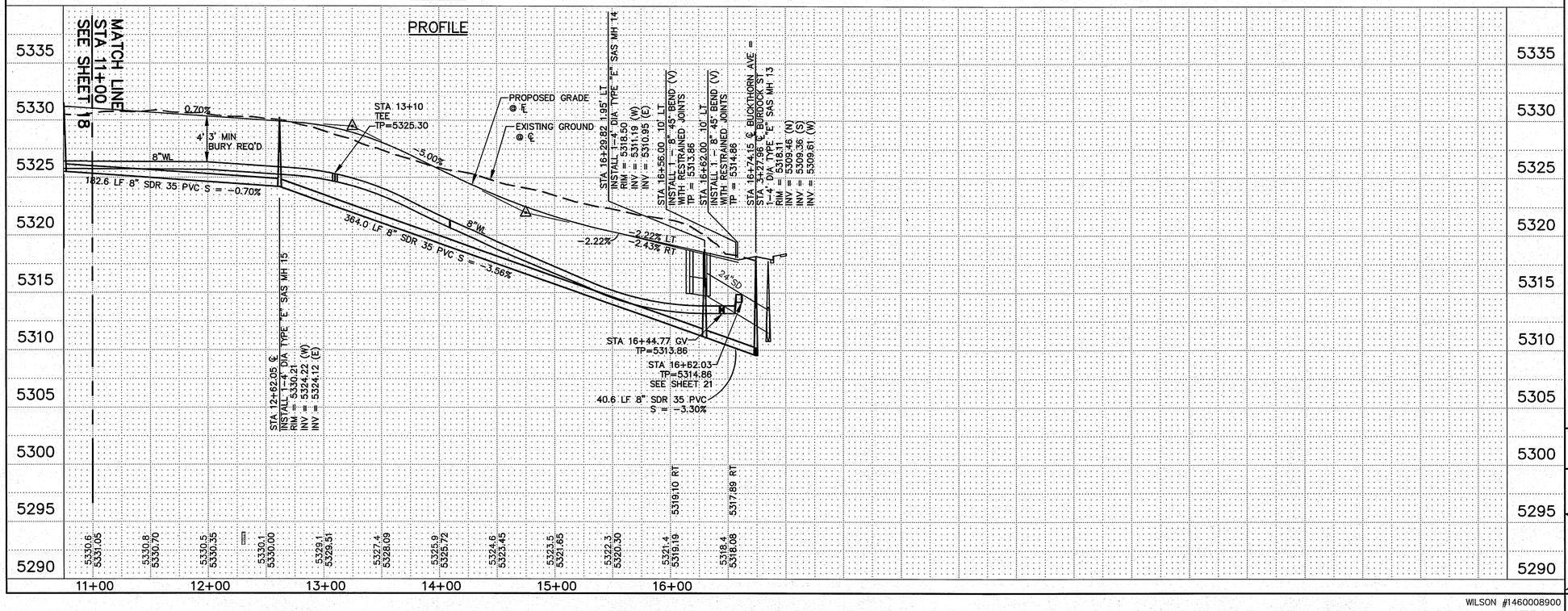
WILSON #1460008900
SEPT 2016

WILSON & COMPANY



BUCKTHORN AVENUE
PLAN

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



BUCKTHORN COURT & AVE

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
11+61.05	10,11	2	DOUBLE	25.0'	RIGHT
11+71.06	10,11	5	DOUBLE	5.0'	LEFT
12+81.05	12,13	5	DOUBLE	25.0'	RIGHT
13+53.06	1,2	6	DOUBLE	5.0'	LEFT
14+01.05	14,15	6	DOUBLE	25.0'	RIGHT
14+75.06	3,4	6	DOUBLE	5.0'	LEFT
15+97.06	5,6	6	DOUBLE	5.0'	LEFT
15+21.05	16,17	2	DOUBLE	25.0'	RIGHT

BUCKTHORN COURT & AVE

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
11+64.23	10	5	27.4	31.9'	LEFT
12+16.57	11	5	27.1	31.8'	LEFT 2' RISER
11+51.05	10	2	27.5	29.1'	RIGHT
13+43.05	1	6	24.8	34.9'	LEFT 4' RISER
12+11.05	11	2	27.1	30.1'	RIGHT
14+04.05	2	6	21.9	35.0'	LEFT 3' RISER
12+71.05	12	2	26.6	31.0'	RIGHT
14+65.05	3	6	19.4	32.0'	LEFT 1' RISER
13+31.05	13	2	25.3	31.0'	RIGHT
15+26.05	4	6	17.5	31.0'	LEFT
13+91.05	14	2	22.5	31.0'	RIGHT
15+87.05	5	6	16.1	31.0'	LEFT
14+51.05	15	2	19.9	31.0'	RIGHT
16+40.00	6	6	15.4	31.0'	LEFT
15+11.05	16	2	17.9	31.0'	RIGHT
15+79.24	17	2	16.2	31.0'	RIGHT

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C–900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

NOTE:

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CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK INSPECTED BY — DATE
INSPECTOR'S FIELD FINANCE BY — DATE
VERIFICATION BY — DATE
REVISIONS COMPLETED BY — DATE

BENCH MARKS
ACS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DONEGAN
NEW MEXICO
7608
PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KJS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
UTILITY PLAN & PROFILE
BUCKTHORN COURT & AVE STA 11+00 TO STA 16+74.15

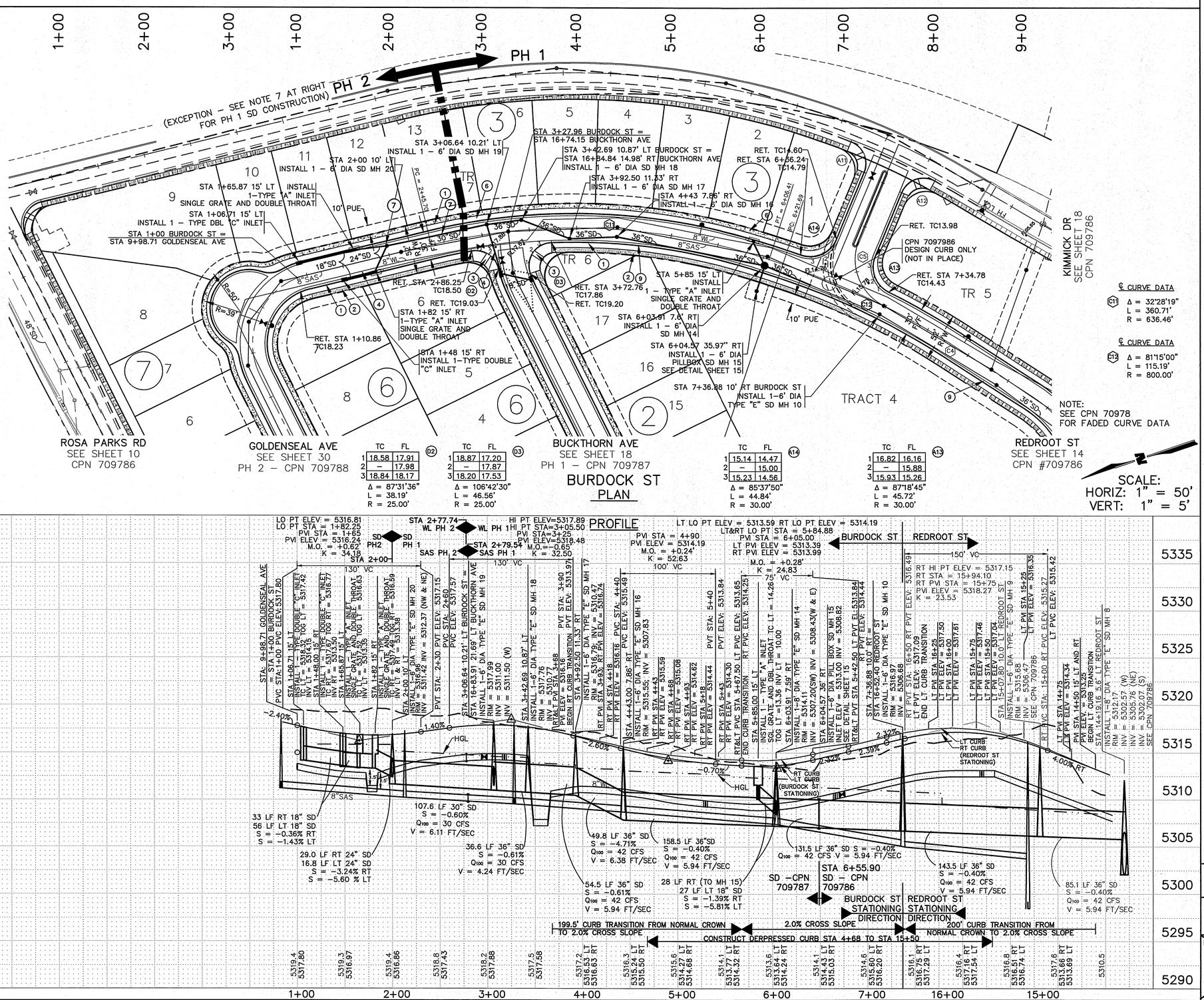
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	19	35

WILSON #1460008900
SEPT 2016

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3-20-17

WILSON & COMPANY



TC	FL	
1	18.58	17.91
2	–	17.98
3	18.84	18.17

Δ = 87°31'36"
L = 38.19'
R = 25.00'

TC	FL	
1	18.87	17.20
2	–	17.87
3	18.20	17.53

Δ = 106°42'30"
L = 46.56'
R = 25.00'

TC	FL	
1	15.14	14.47
2	–	15.00
3	15.23	14.56

Δ = 85°37'50"
L = 44.84'
R = 30.00'

TC	FL	
1	16.82	16.16
2	–	15.88
3	15.93	15.26

Δ = 87°18'45"
L = 45.72'
R = 30.00'

NOTES

SEE TYPICAL ROADWAY SECTION A SHEET 5

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (DEFERRED)

⑦ PH 1 CONSTRUCTION: CONSTRUCT INTERIM CONDITION MH 20 AS A PILL BOX MH PER DETAIL SHEET 15 OF 32, AS WELL AS 107.5 LF 30" CL III SD TO MH 19.

PH 2 CONSTRUCTION: REPLACE PILL BOX MH LID BLOCKS WITH CONE FOR TYPE 'E' MH.

⑧ CONSTRUCT 4' VALLEY GUTTER PER STD DWG 2421

⑨ CONSTRUCT DEPRESSED CURB PER STD DWG 2415A (SEE PROFILE FOR LIMITS)

ALL PROFILE ELEVATIONS ARE FLOWLINE (FL) ELEVATIONS RIGHT (RT) AND LEFT (LT) UNLESS OTHERWISE NOTED.

ALL FL RETURNS ON CUL–DE SACS HAVE A 25' RADIUS.

ALL STORM DRAIN (SD) SHALL BE: HIGH PERFORMANCE POLYPROPYLENE PIPE (HPPP) PER DETAILS SHEETS 33–35 OR CIII RCP AND CIV PCP (CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

SIDEWALK LEGEND

- DEFERRED 5' SIDEWALK CPN 709787 & 709788
- NON–DEFERRED 5' SIDEWALK CPN 709787 & 709788
- DEFERRED 5' SIDEWALK CPN 709786
- NON–DEFERRED 5' SIDEWALK CPN 709786

NOTE:

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CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING,	WCI 05/01
	BOUNDARY,	WCI 06/01
	BOUNDARY,	WCI 10/01

BENCH MARKS

ACS 1 ¼" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.

NAVD 88 U.S. FEET

AS–BUILT INFORMATION

CONTRACTOR — DATE

WORK INSPECTED BY — DATE

INSPECTOR'S ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

DRAWING CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE

NO.

ENGINEER'S SEAL

DONALD M. BUNEMAN NEW MEXICO 12176 PROFESSIONAL ENGINEER

FOR CONSTRUCTION

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY KIS DATE MAY 2016

DRAWN BY ALL DATE MAY 2016

CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
PAVING PLAN & PROFILE
BURDOCK ST

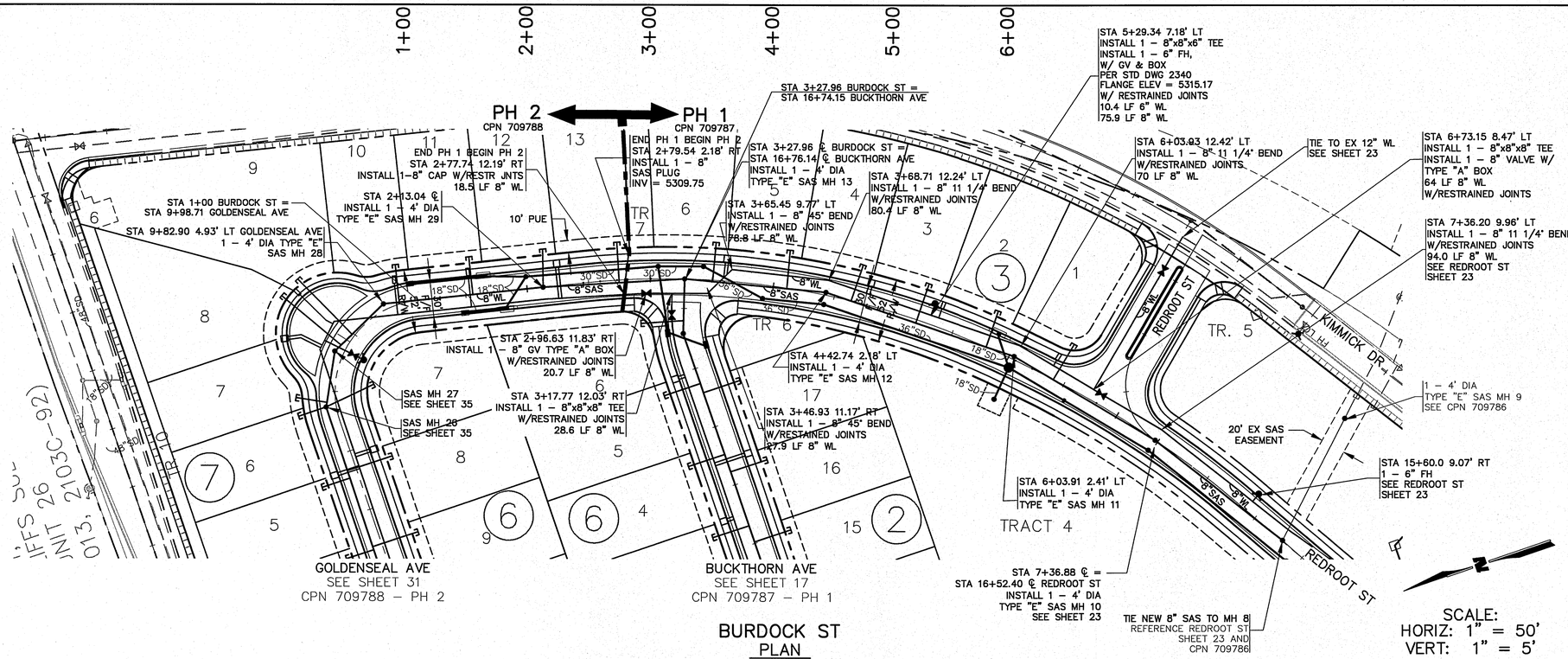
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	20	35

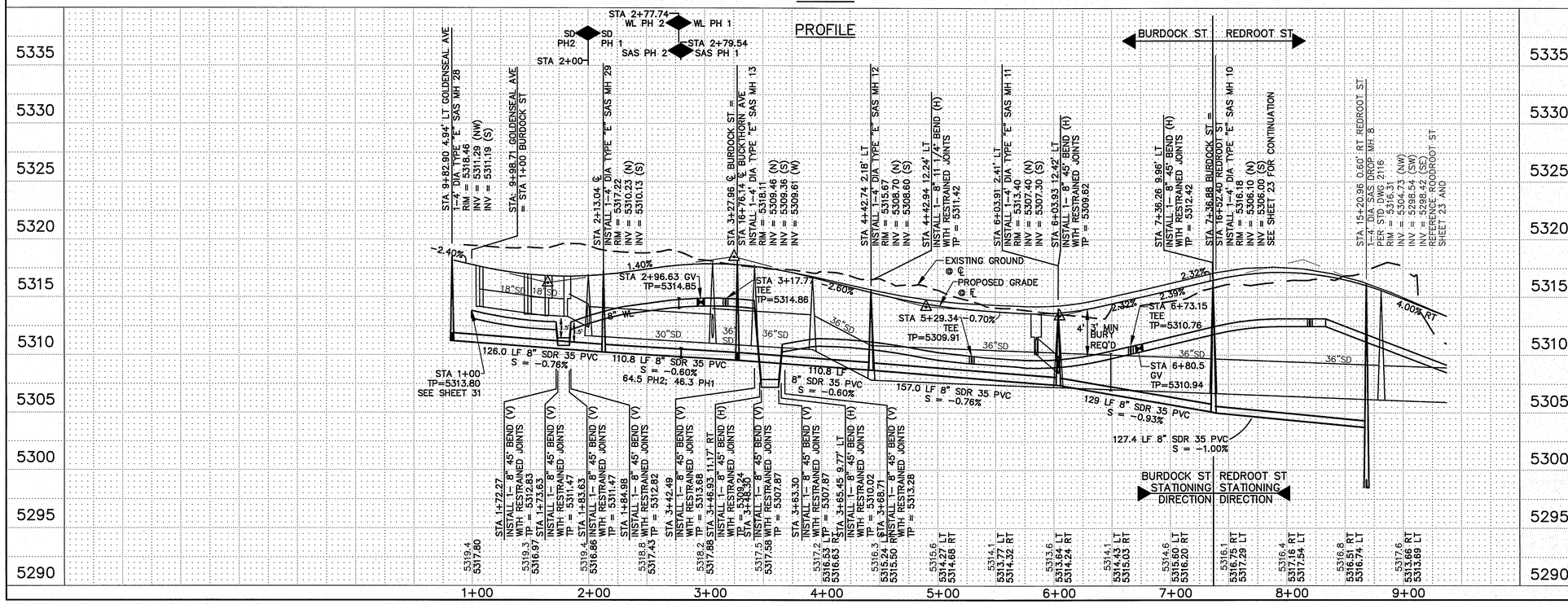
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WILSON #1460008900
SEPT 2016

WILSON & COMPANY



BURDOCK ST
PLAN



BURDOCK ST

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
1+53.65	11	7	SINGLE	25.7'	LEFT
2+25.87	12,13	7	DOUBLE	25.6'	LEFT
* 3+61.16	5,6	3	DOUBLE	12.4'	LEFT
4+76.45	3,4	3	DOUBLE	6.0'	LEFT
5+35.67	2	3	SINGLE	8.0'	LEFT
6+35.46	1	3	SINGLE	5.0'	LEFT

* AIR RELEASE FOR HIGH POINT

BURDOCK ST

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
1+55.87	11	7	13.8	31.0'	LEFT 2' RISER
2+13.04	12	7	13.8	31.0'	LEFT 2' RISER
2+74.75	13	7	14.6	32.3'	LEFT 4' RISER
3+50.53	6	3	14.5	31.2'	LEFT 4' RISER
4+11.06	5	3	13.2	31.5'	LEFT 4' RISER
4+64.19	4	3	11.8	29.5'	LEFT 5' RISER
5+24.68	3	3	10.9	33.7'	LEFT 4' RISER
5+85.10	2	3	10.4	36.5'	LEFT 3' RISER
6+40.63	1	3	10.1	40.5'	LEFT 3' RISER

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C-900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

SAS DROP MANHOLE 8 PER STD DWG 2116.

NOTE:

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CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

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

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S INITIALS — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
BENCH MARKS
ACS 1 ¾" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. BUNEMAN
NEW MEXICO
10716
PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
UTILITY PLAN & PROFILE
BURDOCK ST

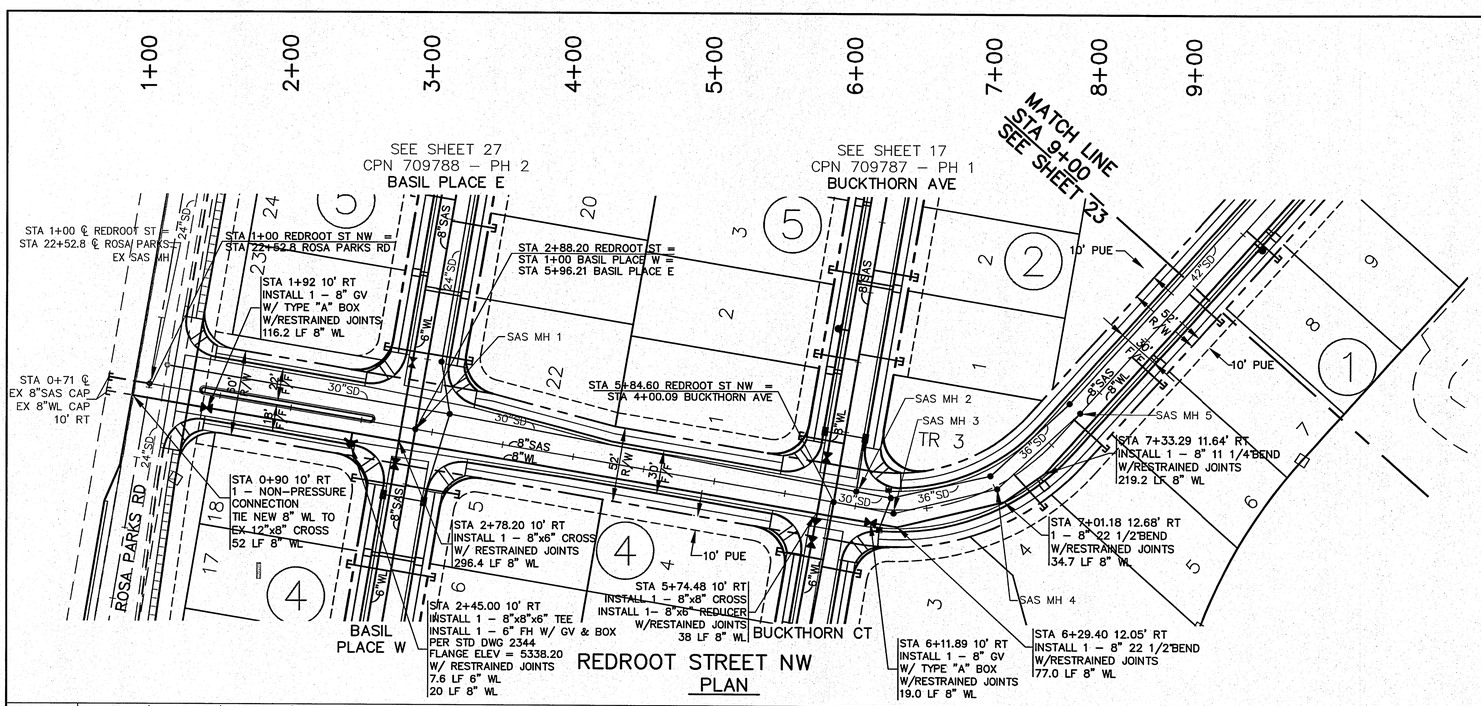
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	21	35

WILSON #1460008900
SEPT 2016

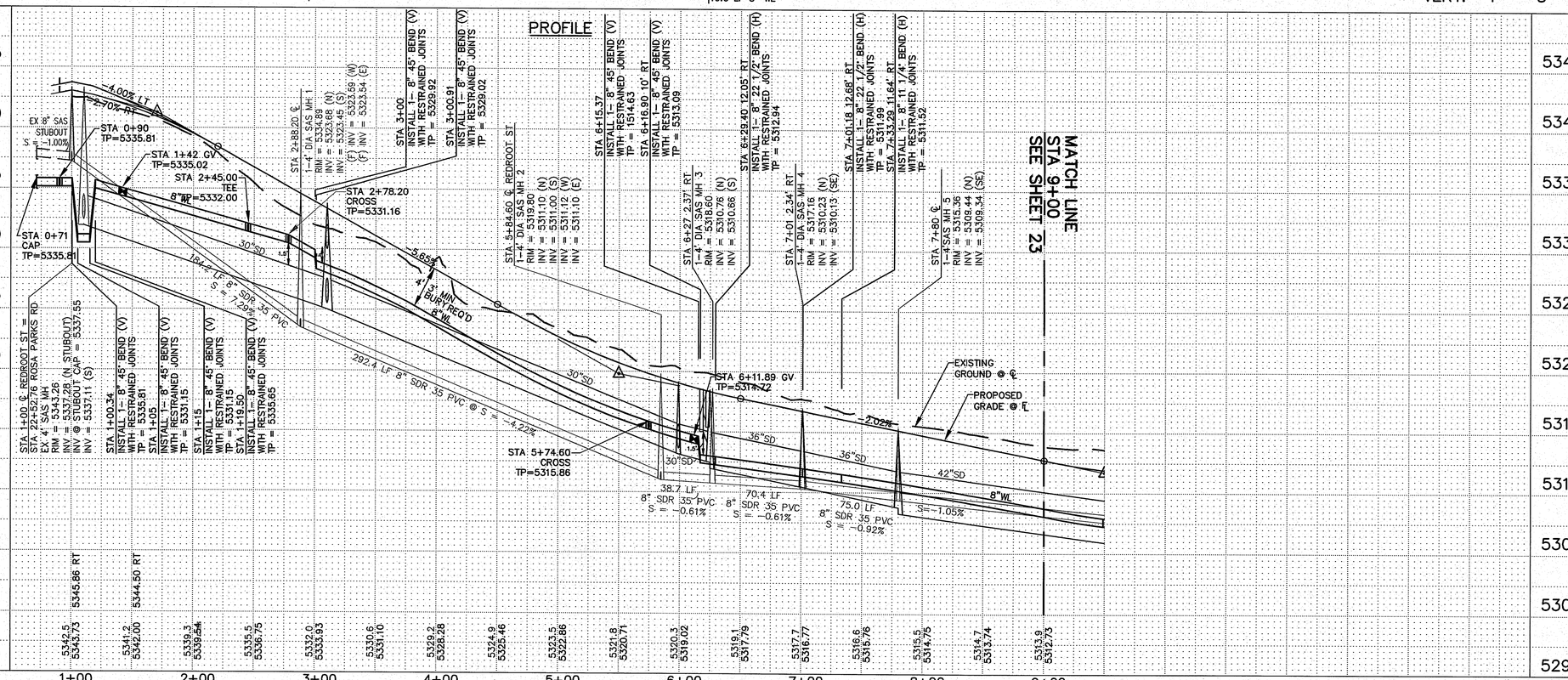
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WILSON & COMPANY



NOTE: REDROOT ST PAVING, STORM DRAIN AND SANITARY SEWER (FADED TEXT AND LINEWORK) TO BE INSTALLED PER CPN 709786

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



REDROOT STREET

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
7+28.30	4,5	1	DOUBLE	3.74'	RIGHT
8+43.89	6,7	1	DOUBLE	5'	RIGHT

REDROOT STREET

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
7+16.44	4	1	13.1	31.31'	RIGHT 2' RISER
7+73.87	5	1	12.0	31.56'	RIGHT 2' RISER
8+33.89	6	1	10.7	31.0'	RIGHT 1' RISER
8+93.89	7	1	9.5	31.0'	RIGHT 1' RISER

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C–900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

NOTE:

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CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS
ACS 1 3" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS–BUILT INFORMATION

	NAME	DATE
CONTRACTOR		
WORK INSPECTED BY		
REINSPECTIONS		
ACCEPTANCES BY		
FINAL VERIFICATION BY		
DRAWINGS CORRECTED BY		

MICRO–FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
DONALD M. DUNCAVENT
NEW MEXICO
7616
PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	KJS	DATE DEC 2004
DRAWN BY	VKL	DATE DEC 2004
CHECKED BY	DSA	DATE DEC 2004

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT I – PH 1
UTILITY PLAN & PROFILE
REDROOT ST STA 1+00 TO STA 9+00

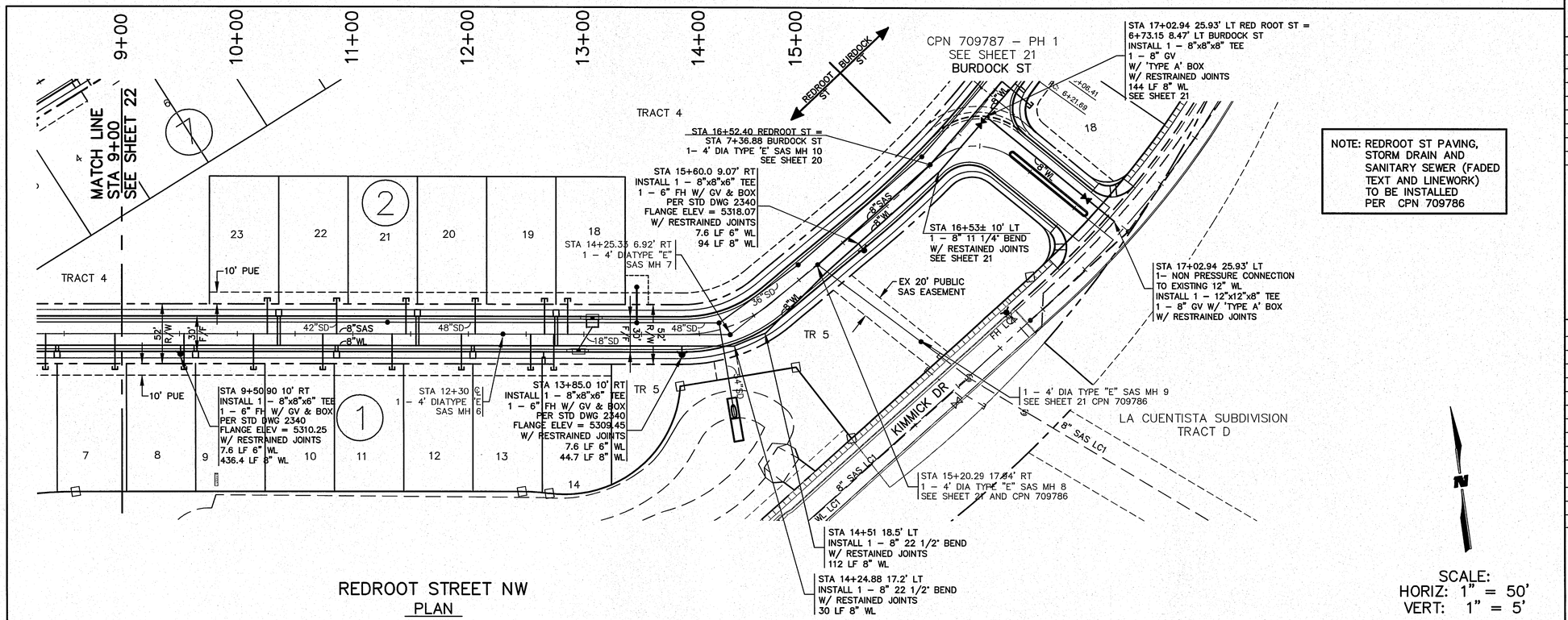
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	22	35

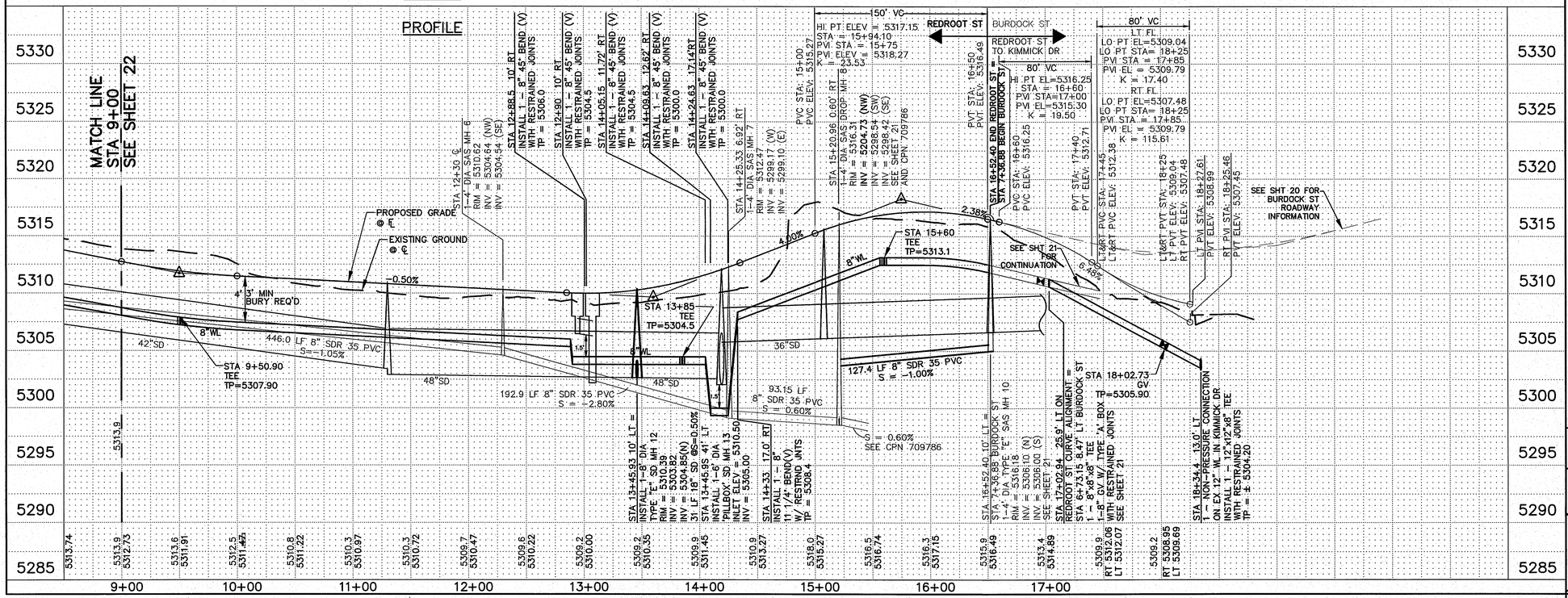
WILSON #1460008900
SEPT 2016

WILSON & COMPANY

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3.20.17



REDROOT ST NW
PLAN



WILSON #1460008900
SEPT 2016

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3-28-17

REDROOT STREET
3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
9+63.89	8,9	1	DOUBLE	5'	RIGHT
10+35.93	22,23	2	DOUBLE	25'	LEFT
10+85.90	10,11	1	DOUBLE	5'	RIGHT
11+55.93	20,21	2	DOUBLE	25'	LEFT
12+03.89	12,13	1	DOUBLE	5'	RIGHT
12+75.93	18,19	2	DOUBLE	25'	LEFT
12+65.14	14	1	SINGLE	5'	RIGHT

REDROOT STREET
4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
10+13.89	9	1	8.2	31.0'	RIGHT 1' RISER
10+73.89	10	1	7.9	31.0'	RIGHT 1' RISER
10+25.93	23	2	8.2	31.0'	LEFT 1' RISER
11+33.89	11	1	7.6	31.0'	RIGHT 1' RISER
10+85.93	22	2	7.9	31.0'	LEFT 1' RISER
11+93.89	12	1	7.3	31.0'	RIGHT 1' RISER
11+45.89	21	2	7.6	31.0'	LEFT 1' RISER
12+53.90	13	1	7.2	31.0'	RIGHT 1' RISER
12+05.93	20	2	7.3	31.0'	LEFT 2' RISER
12+73.90	14	1	7.2	31.0'	RIGHT 1' RISER
12+65.93	19	2	7.0	31.0'	LEFT 2' RISER
12+85.93	18	2	7.0	31.0'	LEFT 2' RISER
9+53.89	8	1	8.6	31.0'	RIGHT

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C-900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

SAS DROP MANHOLE 8 PER STD DWG 2116.

NOTE:

FADED TEXT AND/OR LINEWORK, PROVIDED HEREIN FOR INFORMATION, REPRESENT CONSTRUCTION PER PLAN SETS AS LISTED BELOW:

CPN 709786 – LA CUENTISTA UNIT II OFFSITE CONSTRUCTION

CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS-BUILT INFORMATION

CONTRACTOR
WORK COMPLETED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS COMPILED BY: DATE

BENCH MARKS

ACS 1 2" ALUMINUM DISK STAMPED "ACS BM 5-D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL-DE-SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL

DONALD M. DUNEMAN NEW MEXICO 15008 PROFESSIONAL ENGINEER
FOR CONSTRUCTION

NO.	DATE	REMARKS REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	KIS	DATE MAY 2016
DRAWN BY	ALL	DATE MAY 2016
CHECKED BY	DSA	DATE MAY 2016

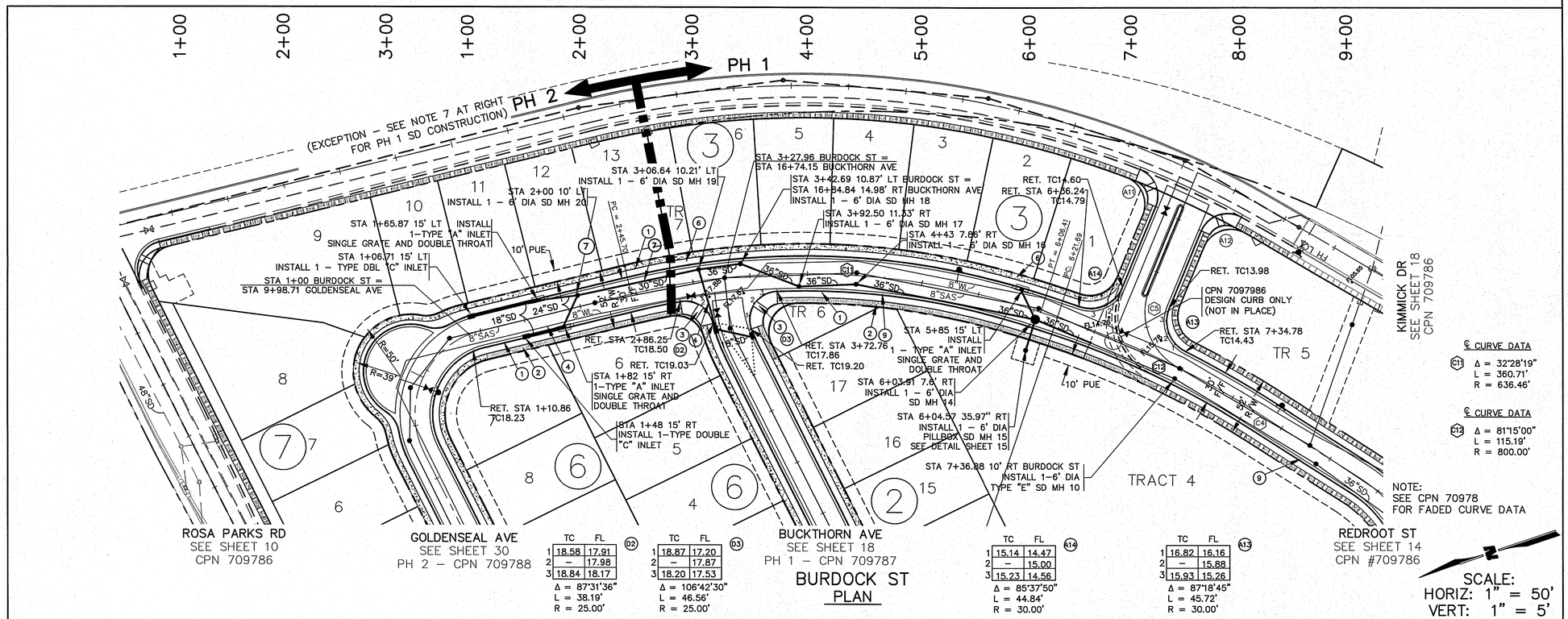
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 1
UTILITY AND STORM DRAIN PLAN & PROFILE
REDROOT ST STA 9+00 TO STA 16+50

Design Review Committee | City Engineer Approval | Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	23	35

WILSON & COMPANY



	TC	FL
1	18.58	17.91
2	–	17.98
3	18.84	18.17

(D2) Δ = 87°31'36" L = 38.19' R = 25.00'

	TC	FL
1	18.87	17.20
2	–	17.87
3	18.20	17.53

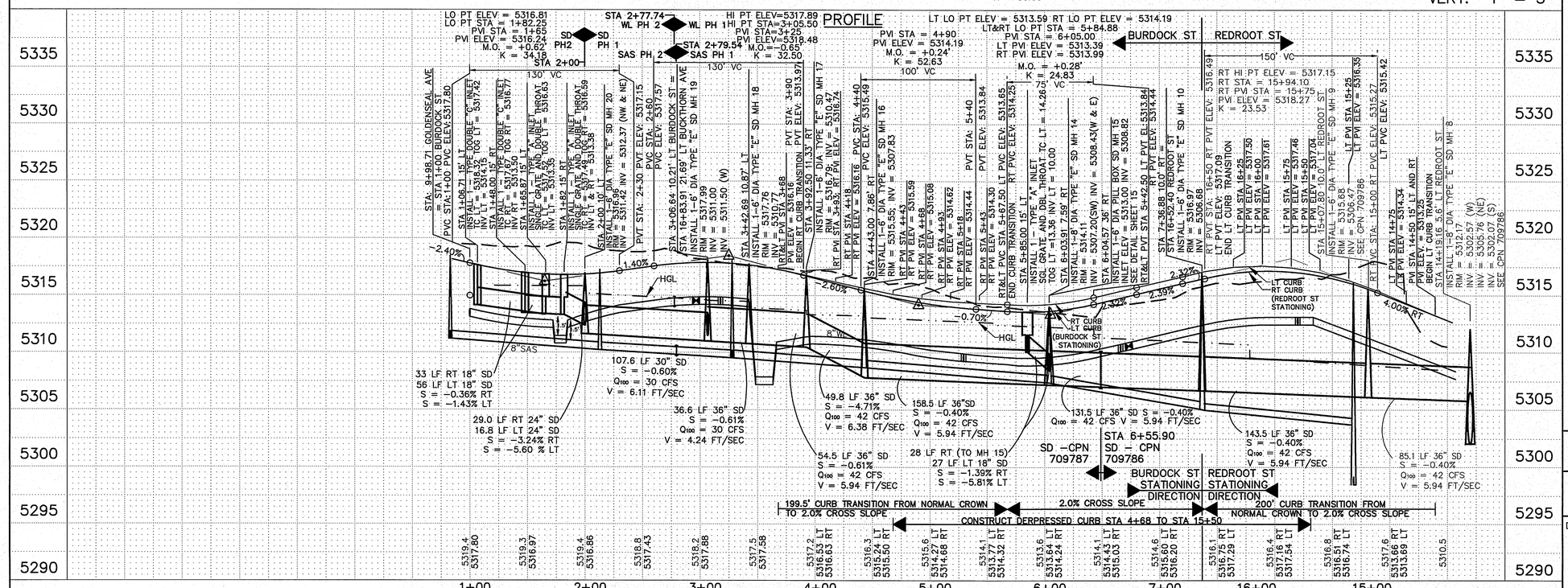
(D3) Δ = 106°42'30" L = 46.56' R = 25.00'

	TC	FL
1	15.14	14.47
2	–	15.00
3	15.23	14.56

(N14) Δ = 85°37'50" L = 44.84' R = 30.00'

	TC	FL
1	16.82	16.16
2	–	15.88
3	15.93	15.26

(N13) Δ = 87°18'45" L = 45.72' R = 30.00'



NOTES

SEE TYPICAL ROADWAY SECTION A SHEET 5

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (DEFERRED)

⑦ PH 1 CONSTRUCTION: CONSTRUCT INTERIM CONDITION MH 20 AS A PILL BOX MH PER DETAIL SHEET 15 OF 32, AS WELL AS 107.5 LF 30" CL III SD TO MH 19.

PH 2 CONSTRUCTION: REPLACE PILL BOX MH LID BLOCKS WITH CONE FOR TYPE 'E' MH.

⑧ CONSTRUCT 4' VALLEY GUTTER PER STD DWG 2421

⑨ CONSTRUCT DEPRESSED CURB PER STD DWG 2415A (SEE PROFILE FOR LIMITS)

ALL PROFILE ELEVATIONS ARE FLOWLINE (FL) ELEVATIONS RIGHT (RT) AND LEFT (LT) UNLESS OTHERWISE NOTED.

ALL FL RETURNS ON CUL–DE SACS HAVE A 25' RADIUS.

ALL STORM DRAIN (SD) SHALL BE: HIGH PERFORMANCE POLYPROPYLENE PIPE (HPPP) PER DETAILS SHEETS 33–35 OR CIII RCP AND CIV PCP (CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

SIDEWALK LEGEND

DEFERRED 5' SIDEWALK CPN 709787 & 709788

NON–DEFERRED 5' SIDEWALK CPN 709787 & 709788

DEFERRED 5' SIDEWALK CPN 709786

NON–DEFERRED 5' SIDEWALK CPN 709786

NOTE:

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CPN 709786 – LA CUENTISTA UNIT II OFFSITE CONSTRUCTION

CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTION'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING,	WCI 05/01
	BOUNDARY,	WCI 06/01
	BOUNDARY,	WCI 10/01

ENGINEER'S SEAL
DONALD M. DUNNHAM NEW MEXICO 17616 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 2
PAVING PLAN & PROFILE
BURDOCK ST

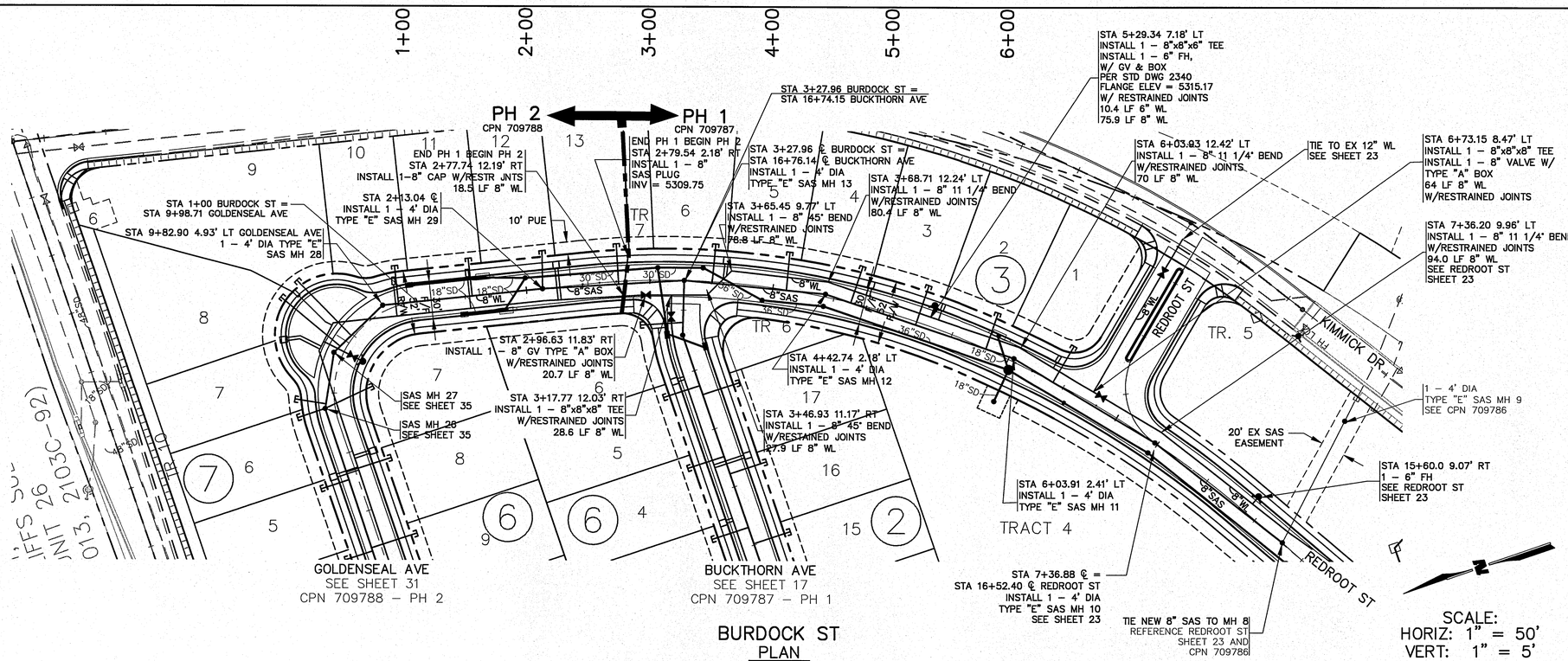
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 709788 | Zone Map No. C–10, C–11 | Drawing 24 | Sheet 35

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WILSON #1460008900
SEPT 2016

WILSON & COMPANY



BURDOCK ST
PLAN

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

BURDOCK ST

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
1+53.65	11	7	SINGLE	25.7'	LEFT
2+25.87	12,13	7	DOUBLE	25.6'	LEFT
* 3+61.16	5,6	3	DOUBLE	12.4'	LEFT
4+76.45	3,4	3	DOUBLE	6.0'	LEFT
5+35.67	2	3	SINGLE	8.0'	LEFT
6+35.46	1	3	SINGLE	5.0'	LEFT

* AIR RELEASE FOR HIGH POINT

BURDOCK ST

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
1+55.87	11	7	13.8	31.0'	LEFT 2' RISER
2+13.04	12	7	13.8	31.0'	LEFT 2' RISER
2+74.75	13	7	14.6	32.3'	LEFT 4' RISER
3+50.53	6	3	14.5	31.2'	LEFT 4' RISER
4+11.06	5	3	13.2	31.5'	LEFT 4' RISER
4+64.19	4	3	11.8	29.5'	LEFT 5' RISER
5+24.68	3	3	10.9	33.7'	LEFT 4' RISER
5+85.10	2	3	10.4	36.5'	LEFT 3' RISER
6+40.63	1	3	10.1	40.5'	LEFT 3' RISER

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C–900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

SAS DROP MANHOLE 8 PER STD DWG 2116.

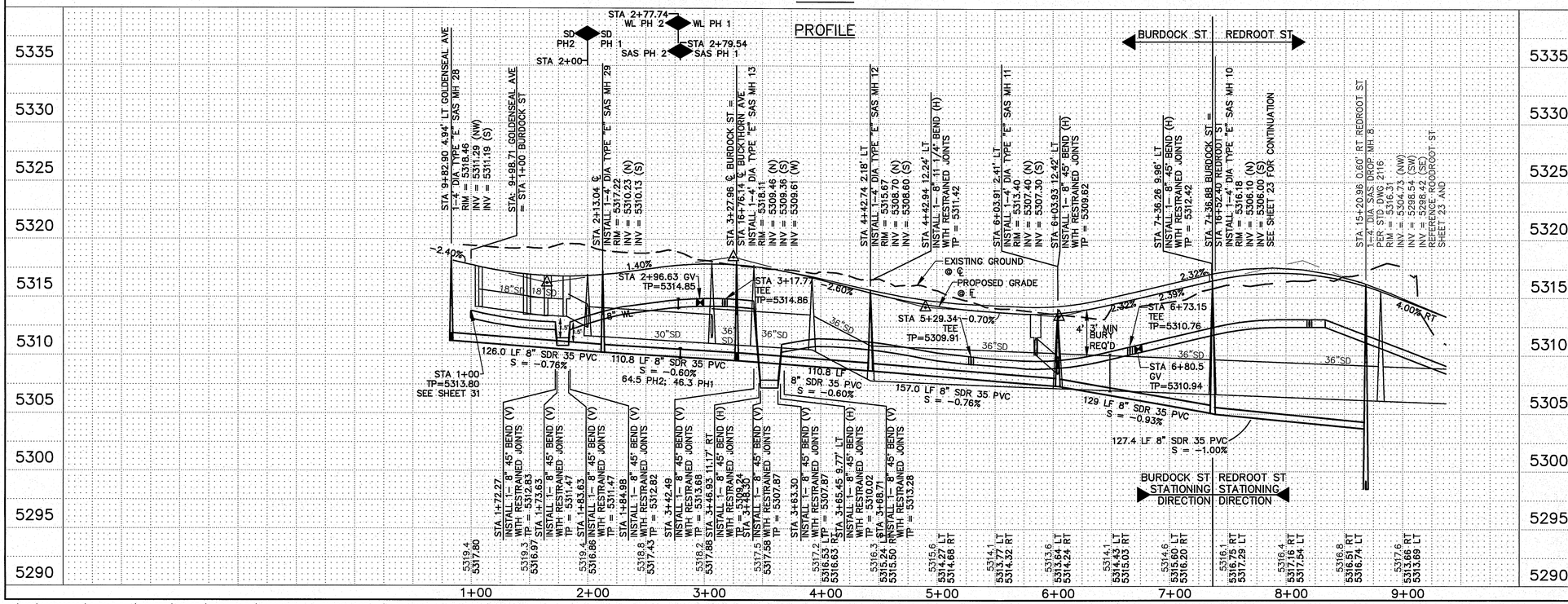
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CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION



M:\MSD\1460008900\2_Disciplines_SHEETS\PHASE I\PNPUTIL_PHI\146089_PHI_pu_BURDOCK ST.dwg\9-27-16

WILSON #1460008900
SEPT 2016

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FIELD ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
RONALD M. DUNKMAN
NEW MEXICO
17616
9/27/16
PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS — DATE MAY 2016
DRAWN BY ALL — DATE MAY 2016
CHECKED BY DSA — DATE MAY 2016

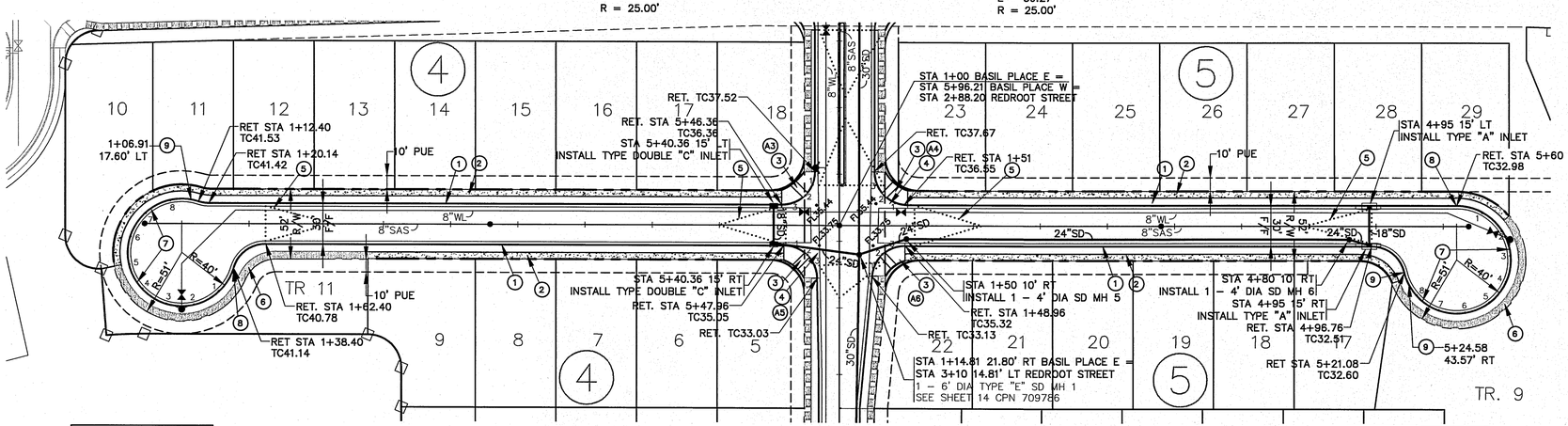
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

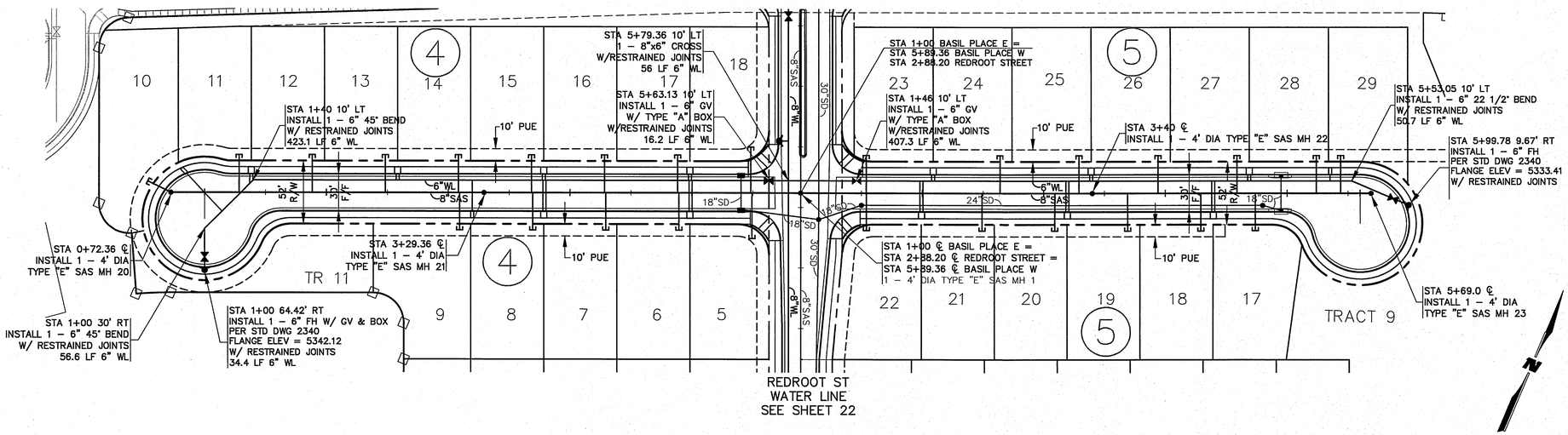
LA CUENTISTA SUBDIVISION UNIT II – PH 2
UTILITY PLAN & PROFILE
BURDOCK ST

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update — Mo./Day/Yr.
Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	25	35

WILSON & COMPANY

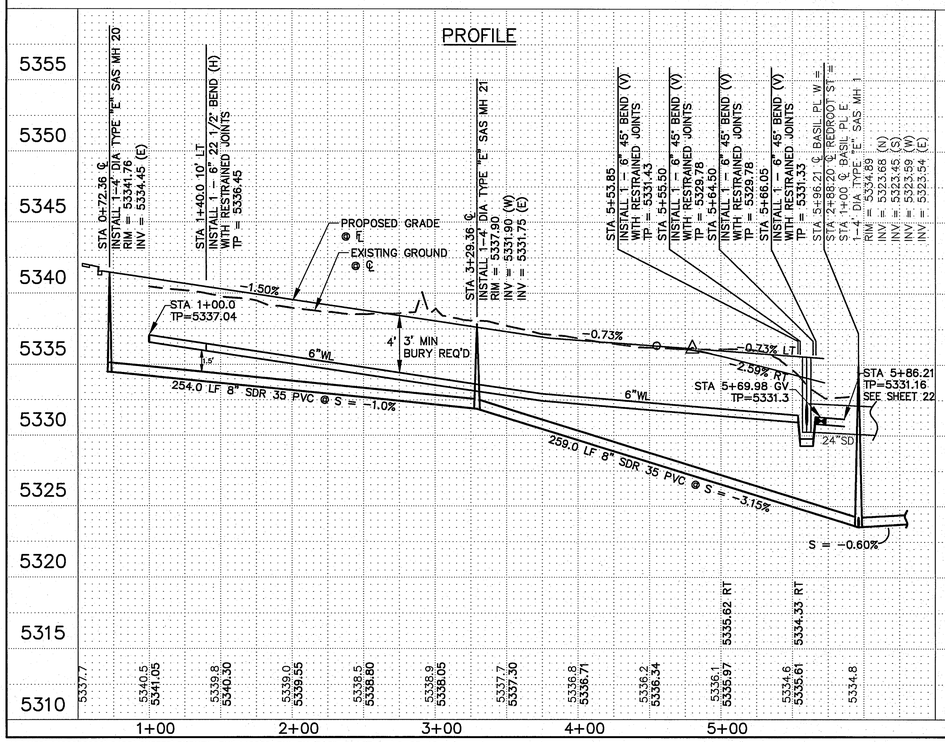

1+00
2+00
3+00
4+00
5+00
1+00
2+00
3+00
4+00
5+00
TC FL
1 36.87 36.20
2 – 35.54
3 36.28 35.62
Δ = 90°00'00"
L = 39.27'
R = 25.00'
TC FL
1 36.43 35.37
2 – 35.54
3 36.94 36.27
Δ = 90°00'00"
L = 39.27'
R = 25.00'
10 11 12 13 14 15 16 17 18 23 24 25 26 27 28 29
9 8 7 6 5 22 21 20 19 18 17
4
5
1+06.91
17.60' LT
RET STA 1+12.40
TC41.53
RET STA 1+20.14
TC41.42
10' PUE
R=51'
R=40'
TR 11
10' PUE
RET. STA 1+62.40
TC40.78
RET STA 1+38.40
TC41.14
RET. TC37.52
RET. STA 5+46.36
TC36.36
STA 5+40.36 15' LT
INSTALL TYPE DOUBLE "C" INLET
STA 5+40.36 15' RT
INSTALL TYPE DOUBLE "C" INLET
RET. STA 5+47.96
TC35.05
RET. TC33.03
STA 1+00 BASIL PLACE E =
STA 5+96.21 BASIL PLACE W =
STA 2+88.20 REDROOT STREET
RET. TC37.67
RET. STA 1+51
TC36.55
STA 1+50 10' RT
INSTALL 1 – 4' DIA SD MH 5
RET. STA 1+48.96
TC35.32
RET. TC33.13
STA 1+14.81 21.80' RT BASIL PLACE E =
STA 3+10 14.81' LT REDROOT STREET
1 – 6' DIA TYPE "E" SD MH 1
SEE SHEET 14 CPN 709786
STA 4+80 10' RT
INSTALL 1 – 4' DIA SD MH 6
STA 4+95 15' RT
INSTALL TYPE "A" INLET
RET. STA 4+96.76
TC32.57
RET STA 5+21.08
TC32.60
STA 4+95 15' LT
INSTALL TYPE "A" INLET
RET. STA 5+60
TC32.98
5+24.58
43.57' RT
TR. 9
8"WL
8"SAS
24"SD
30"SD
18"SD
2.34%
2.75%
3.44%
3.07%
3.65%
3.37%
3.65%
3.37%
3.65%
3.37

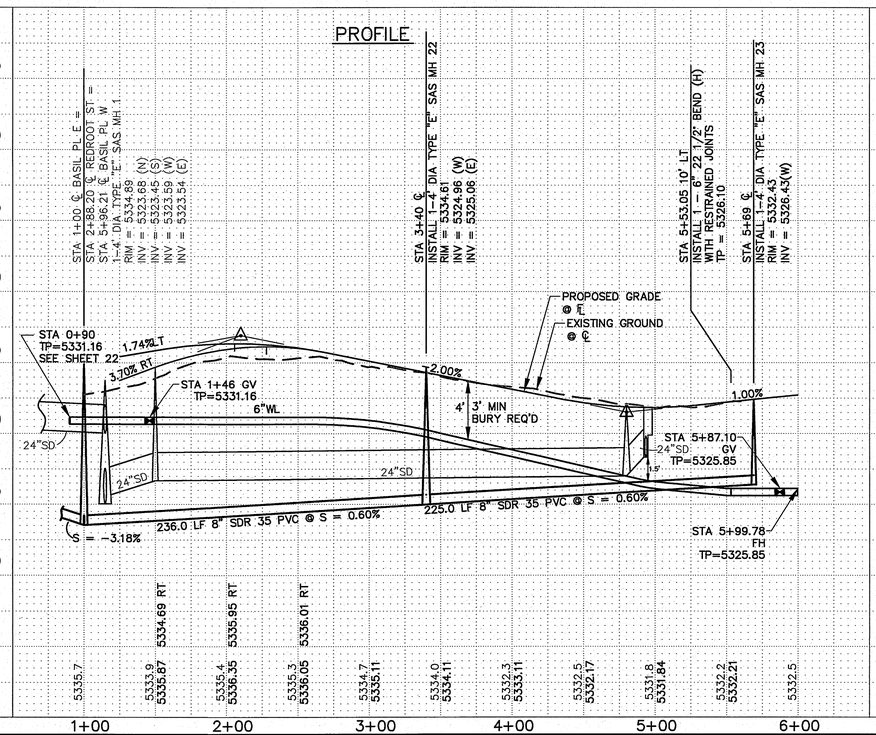


BASIL PLACE WEST
PLAN

BASIL PLACE EAST
PLAN

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





BASIL PLACE WEST

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
0+72.36	10	4	38.2	21.1'	LEFT
1+28.36	11	4	37.3	34.2'	LEFT
1+88.36	12	4	36.4	31.0'	LEFT
2+48.36	13	4	35.5	31.0'	LEFT
3+08.36	14	4	34.6	31.0'	LEFT
3+09.36	9	4	34.6	31.0'	RIGHT
3+68.36	15	4	33.7	31.0'	LEFT
3+69.36	8	4	33.7	31.0'	RIGHT
4+28.36	16	4	33.3	31.0'	LEFT
4+29.36	7	4	33.3	31.0'	RIGHT
4+88.36	17	4	32.9	31.0'	LEFT
4+89.36	6	4	32.6	31.0'	RIGHT
5+48.36	18	4	32.6	37.8'	LEFT
5+49.36	5	4	31.6	37.8'	RIGHT

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
1+14.33	10	4	SINGLE	42.00	LEFT
1+38.36	11,12	4	DOUBLE	6.5'	LEFT
2+58.36	13,14	4	DOUBLE	5'	LEFT
3+78.36	15,16	4	DOUBLE	5'	LEFT
3+18.36	9	4	SINGLE	25'	RIGHT
4+98.36	17,18	4	DOUBLE	5'	LEFT
3+78.36	7,8	4	DOUBLE	25'	RIGHT
4+98.36	5,6	4	DOUBLE	25'	RIGHT

BASIL PLACE EAST

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
1+54.00	23	5	32.8	31.0'	LEFT
1+54.10	22	5	31.7	31.0'	RIGHT
2+64.00	24	5	32.5	31.0'	LEFT
2+49.10	21	5	32.8	31.1'	RIGHT
3+29.00	25	5	31.2	31.0'	LEFT
3+09.10	20	5	31.6	31.1'	RIGHT
3+94.00	26	5	29.9	31.0'	LEFT
3+69.10	19	5	30.4	31.0'	RIGHT
4+59.00	27	5	28.8	31.0'	LEFT
4+29.10	18	5	29.2	31.0'	RIGHT
5+24.00	28	5	28.9	31.0'	LEFT
4+74.00	17	5	28.5	31.0'	RIGHT
5+44.00	29	5	28.9	31.0'	LEFT

BASIL PLACE EAST

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
2+09.00	23,24	5	DOUBLE	5'	LEFT
1+99.10	22,21	5	DOUBLE	25'	RIGHT
3+39.00	25,26	5	DOUBLE	5'	LEFT
3+19.00	19,20	5	DOUBLE	25'	RIGHT
4+69.00	27,28	5	DOUBLE	5'	LEFT
4+39.10	18/17	5	DOUBLE	25'	RIGHT
5+35.00	29	5	SINGLE	5'	LEFT

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C-900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

NOTE:
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CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S AS–BUILT MARKUP BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

BENCH MARKS
ACS 1 ½" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO. — BY — DATE
AERIAL MAPPING, WCI 05/01
BOUNDARY, WCI 06/01
BOUNDARY, WCI 10/01

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DURHAM
NEW MEXICO
17519
PROFESSIONAL ENGINEER
9/23/16

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 2
UTILITY PLAN & PROFILE
BASIL PLACE WEST & EAST

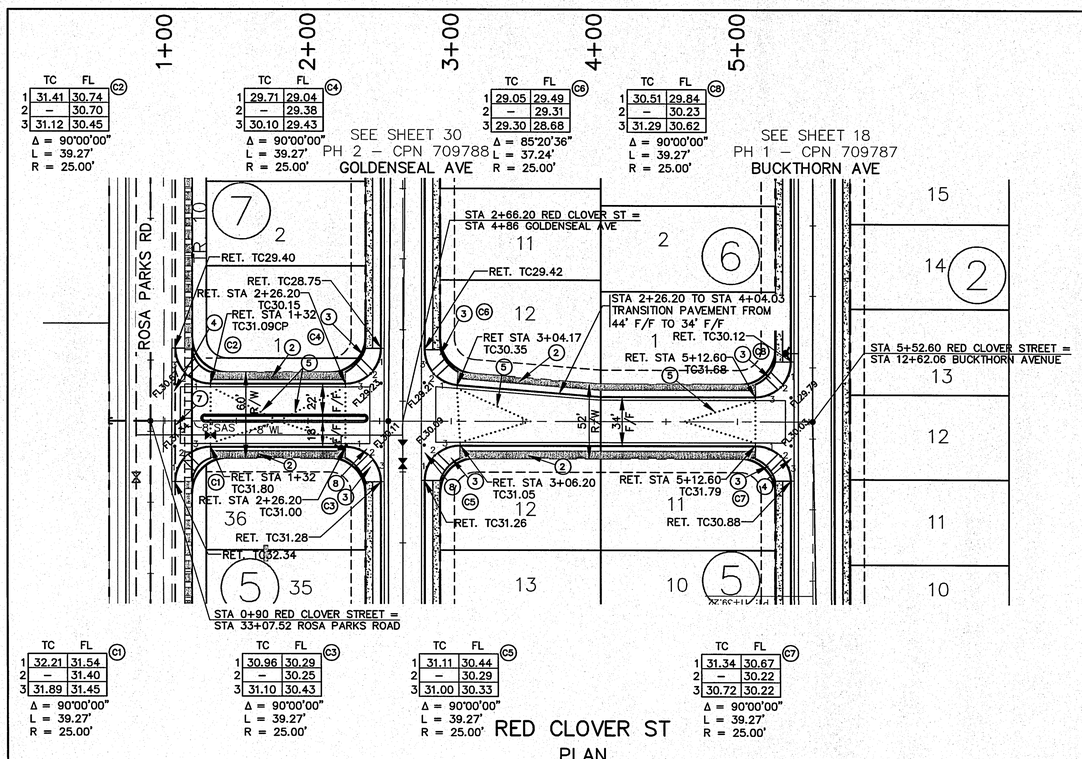
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE	APPROVED JUL 06 2017 CITY ENGINEER			

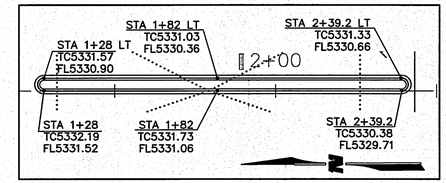
City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	27	35

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WILSON #1460008900
SEPT 2016

WILSON & COMPANY





MEDIAN CURB DATA

SCALE: 1"=20'

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

NOTES

SEE TYPICAL ROADWAY SECTIONS, SHEET 5
SECTION C – STA 1+06 TO STA 2+50
SECTION D – STA 2+50 TO STA 5+38

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT MEDIAN CURB & GUTTER PER STD DWG 2115B AND CONSTRUCT 4" COLORED MEDIAN PAVEMENT PER STD DWG 2408

⑦ REMOVE & DISPOSE 94 LF EXISTING CURB & GUTTER

⑧ CONSTRUCT 10' VALLEY GUTTER PER STD DWG 2422

ALL PROFILE ELEVATIONS ARE FLOWLINE (FL) ELEVATIONS RIGHT (RT) AND LEFT (LT) UNLESS OTHERWISE NOTED.

ALL FL RETURNS ON CUL–DE SACS HAVE A 25' RADIUS.

ALL STORM DRAIN (SD) SHALL BE:
HIGH PERFORMANCE POLYPROPYLENE PIPE (HPPP) PER DETAILS SHEETS 33–35
OR
CIII RCP AND CIV PCP (CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

SIDEWALK LEGEND

- DEFERRED 5' SIDEWALK CPN 709787 & 709788
- NON–DEFERRED 5' SIDEWALK CPN 709787 & 709788
- DEFERRED 5' SIDEWALK CPN 709786
- NON–DEFERRED 5' SIDEWALK CPN 709786

NOTE:

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CPN 709786 – LA CUENTISTA UNIT II OFFSITE CONSTRUCTION

CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK INSPECTED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
ACS 1 ¾" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW, EPOXIED TO LAVA ROCK IN OUTCROPPING
ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING,	WCI 05/01
	BOUNDARY,	WCI 06/01
	BOUNDARY,	WCI 10/01

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DURHAM
NEW MEXICO
11676
PROFESSIONAL ENGINEER
9/9/16
3/20/17 JMD

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY — KIS — DATE MAY 2016
DRAWN BY — ALL — DATE MAY 2016
CHECKED BY — DSA — DATE MAY 2016

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 2
PAVING PLAN & PROFILE
RED CLOVER ST

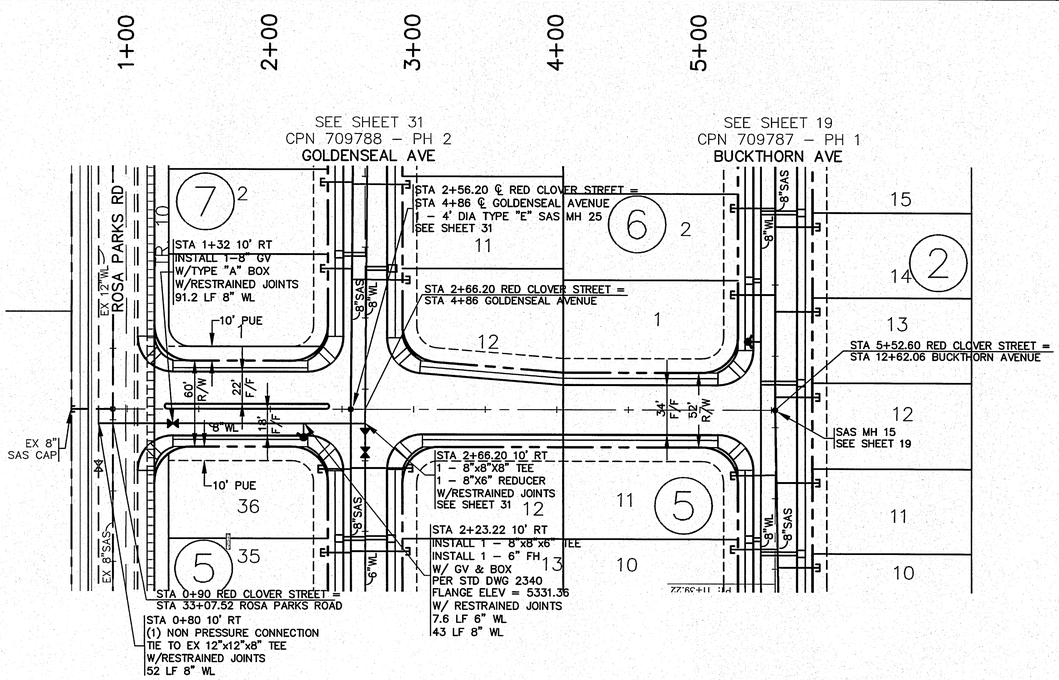
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	28	35

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3.20.17

WILSON #1460008900
SEPT 2016

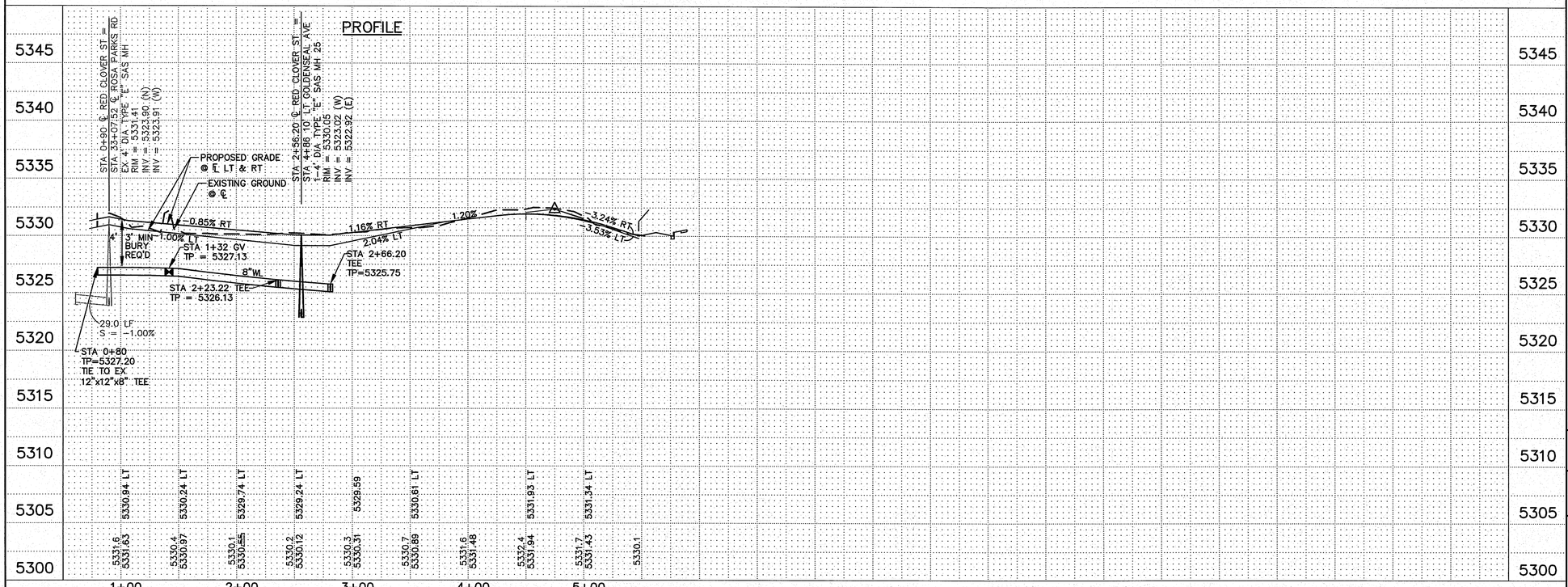
WILSON & COMPANY



RED CLOVER ST

PLAN

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



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2-20-17

WILSON #1460008900
SEPT 2016

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C-900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

NOTE:

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CPN 709787 – LA CUENTISTA UNIT II PHASE 1 CONSTRUCTION

CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS
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ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
DONALD M. DUNHAM
NEW MEXICO
11618
PROFESSIONAL ENGINEER
3/20/17 DMD

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	K/S	DATE DEC 2004
DRAWN BY	VKL	DATE DEC 2004
CHECKED BY	DSA	DATE DEC 2004

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

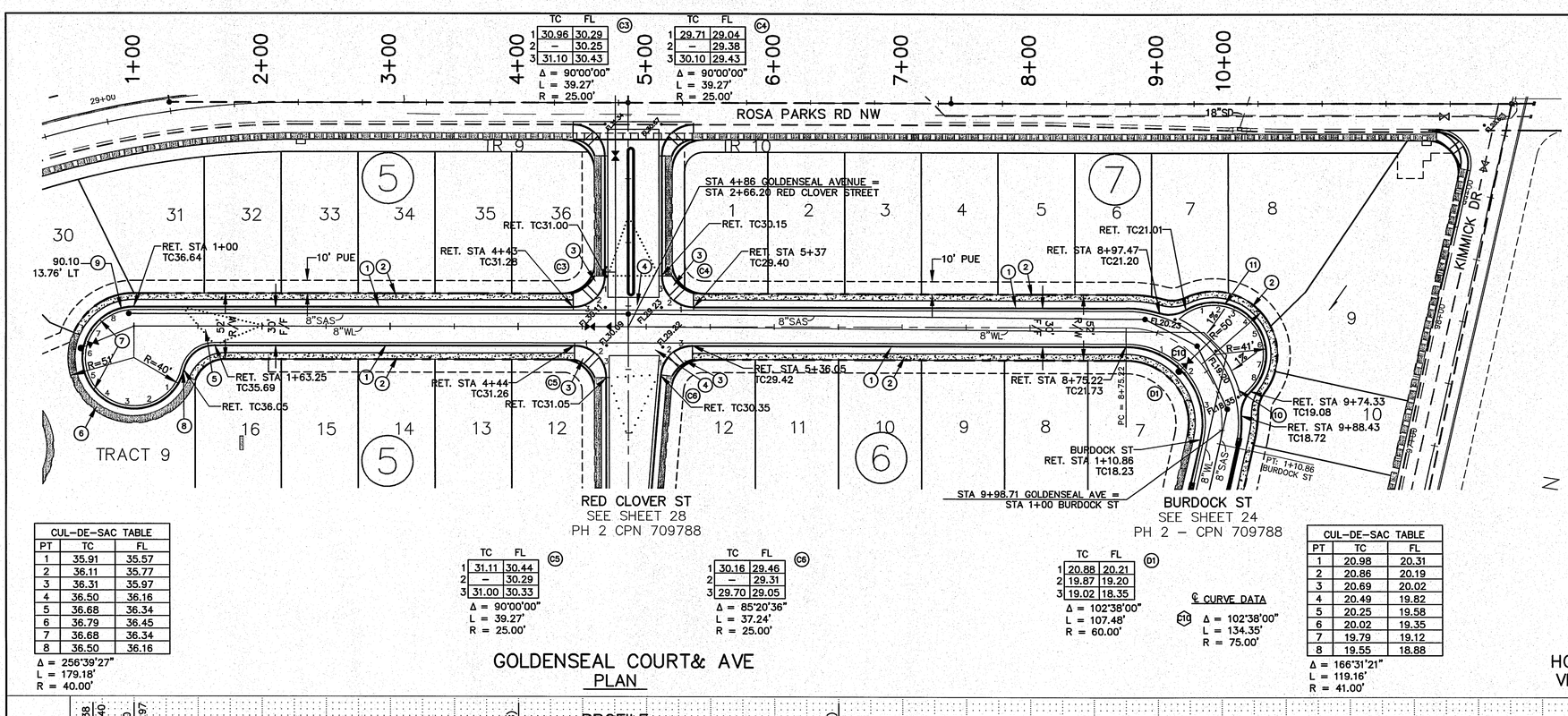
LA CUENTISTA SUBDIVISION UNIT II – PH 2
UTILITY PLAN & PROFILE
RED CLOVER ST

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER

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

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, C-11	29	35

WILSON & COMPANY



CUL–DE–SAC TABLE		
PT	TC	FL
1	35.91	35.57
2	36.11	35.77
3	36.31	35.97
4	36.50	36.16
5	36.68	36.34
6	36.79	36.45
7	36.68	36.34
8	36.50	36.16

Δ = 256°39'27"
L = 179.18'
R = 40.00'

TC FL
1 31.11 30.44
2 – 30.29
3 31.00 30.33
Δ = 90°00'00"
L = 39.27'
R = 25.00'

TC FL
1 30.16 29.46
2 – 29.31
3 29.70 29.05
Δ = 85°20'36"
L = 37.24'
R = 25.00'

TC FL
1 20.88 20.21
2 19.87 19.20
3 19.02 18.35
Δ = 102°38'00"
L = 107.48'
R = 60.00'

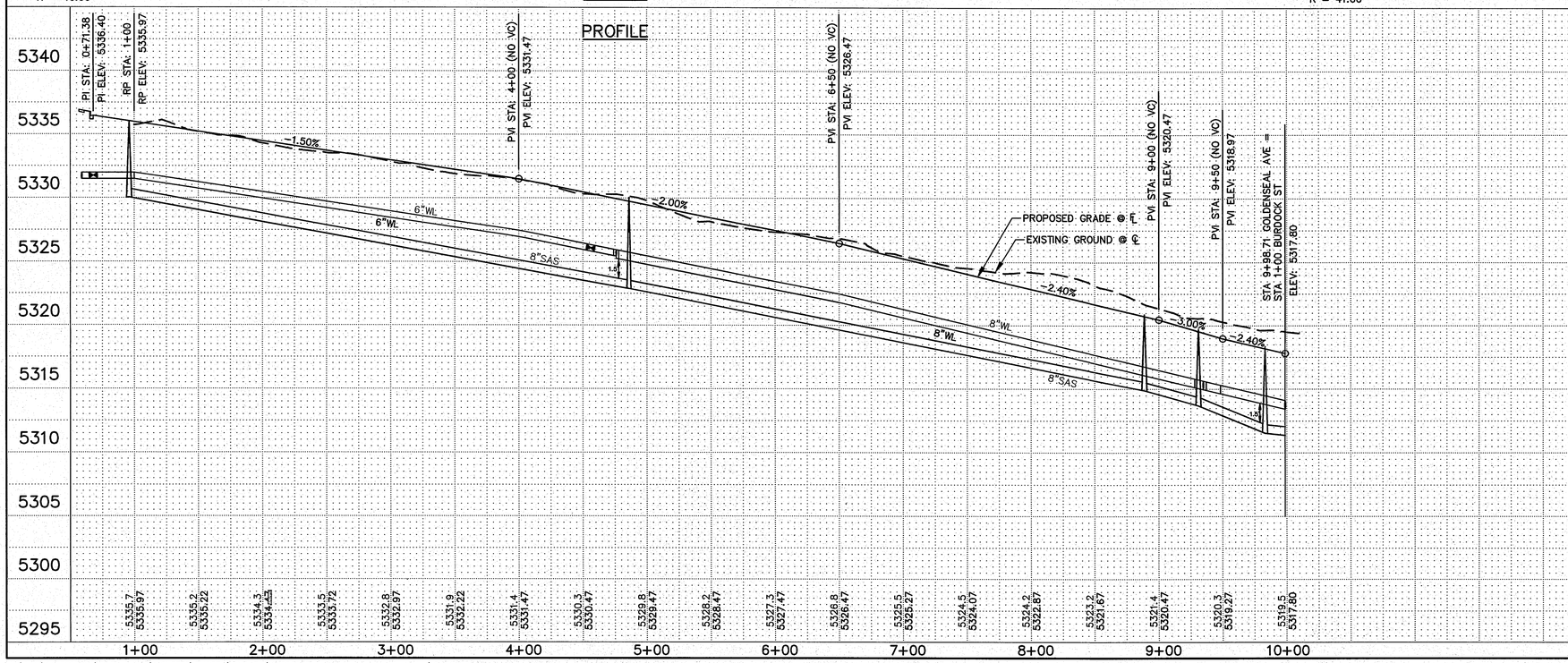
℄ CURVE DATA
C10 Δ = 102°38'00"
L = 134.35'
R = 75.00'

CUL–DE–SAC TABLE		
PT	TC	FL
1	20.98	20.31
2	20.86	20.19
3	20.69	20.02
4	20.49	19.82
5	20.25	19.58
6	20.02	19.35
7	19.79	19.12
8	19.55	18.88

Δ = 166°31'21"
L = 119.16'
R = 41.00'

GOLDENSEAL COURT& AVE
PLAN

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



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3-20-17

WILSON #1460008900
SEPT 2016

NOTES

SEE TYPICAL ROADWAY SECTION A SHEET 5

① CONSTRUCT STANDARD CURB & GUTTER PER STD DWG 2415A

② CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (DEFERRED)

③ CONSTRUCT TYPE II WHEELCHAIR RAMP PER DTL SHEET 5

④ CONSTRUCT 6' VALLEY GUTTER PER STD DWG 2420

⑤ 50' CROWN REDUCTION PER STD DWG 2401

⑥ CONSTRUCT 5' SIDEWALK PER STD DWG 2430 (NON–DEFERRED)

⑦ CONSTRUCT MOUNTABLE CURB (ROLL TYPE) PER STD DWG 2415A

⑧ 10' MIN TRANSITION FROM STANDARD CURB TO MOUNTABLE CURB

⑨ 10' MIN TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB

⑩ CONSTRUCT 4' VALLEY GUTTER PER STD DWG 2421

⑪ CONSTRUCT DEPRESSED CURB PER STD DWG 2415A THRU CUL DE SAC

ALL PROFILE ELEVATIONS ARE FLOWLINE (FL) ELEVATIONS RIGHT (RT) AND LEFT (LT) UNLESS OTHERWISE NOTED

ALL FL RETURNS ON CUL–DE SACS HAVE A 25' RADIUS.

ALL STORM DRAIN (SD) SHALL BE:
HIGH PERFORMANCE POLYPROPYLENE PIPE (HPPP) PER DETAILS SHEETS 33–35
OR
CIII RCP AND CIV PCP (CIV TO BE USED FOR ANY SD WITH LESS THAN 24" COVER)

SIDEWALK LEGEND

- DEFERRED 5' SIDEWALK CPN 709787 & 709788
- NON–DEFERRED 5' SIDEWALK CPN 709787 & 709788
- DEFERRED 5' SIDEWALK CPN 709786
- NON–DEFERRED 5' SIDEWALK CPN 709786

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SURVEY INFORMATION
FIELD NOTES

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NAVD 88 U.S. FEET

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FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
DONALD M. DURRETT
NEW MEXICO
11676
PROFESSIONAL ENGINEER
3/20/17 AMD

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY K/S DATE MAY 2016
DRAWN BY ALL DATE MAY 2016
CHECKED BY DSA DATE MAY 2016

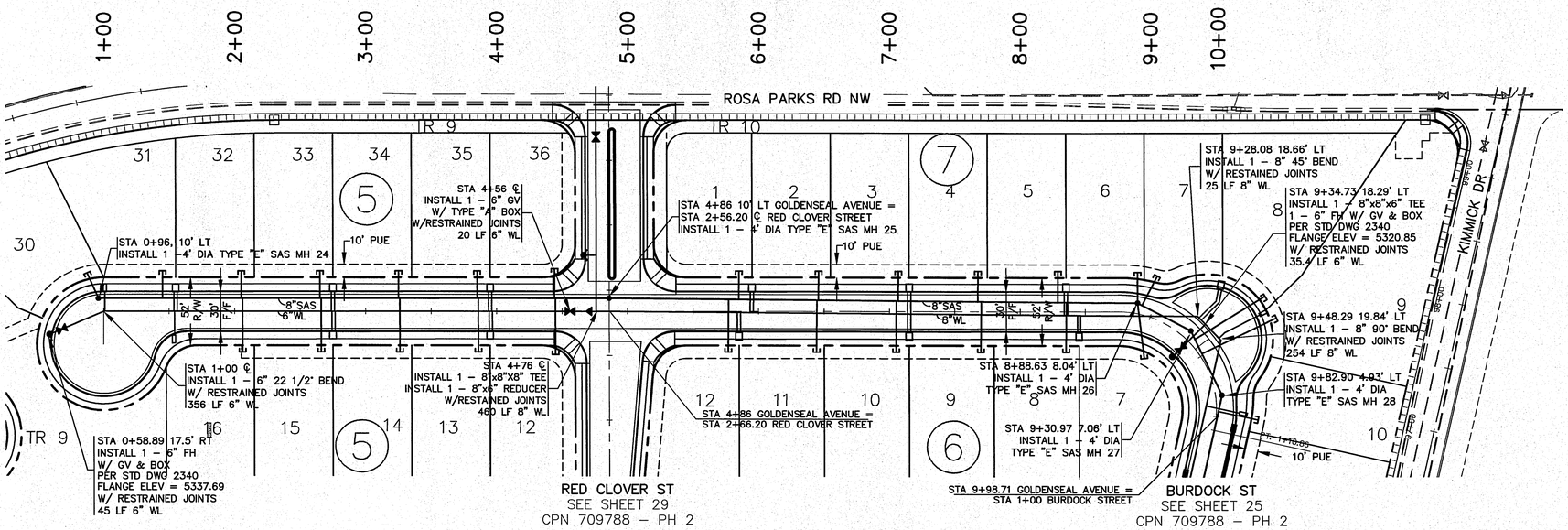
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 2
PAVING PLAN & PROFILE
GOLDENSEAL COURT & AVE

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr. —

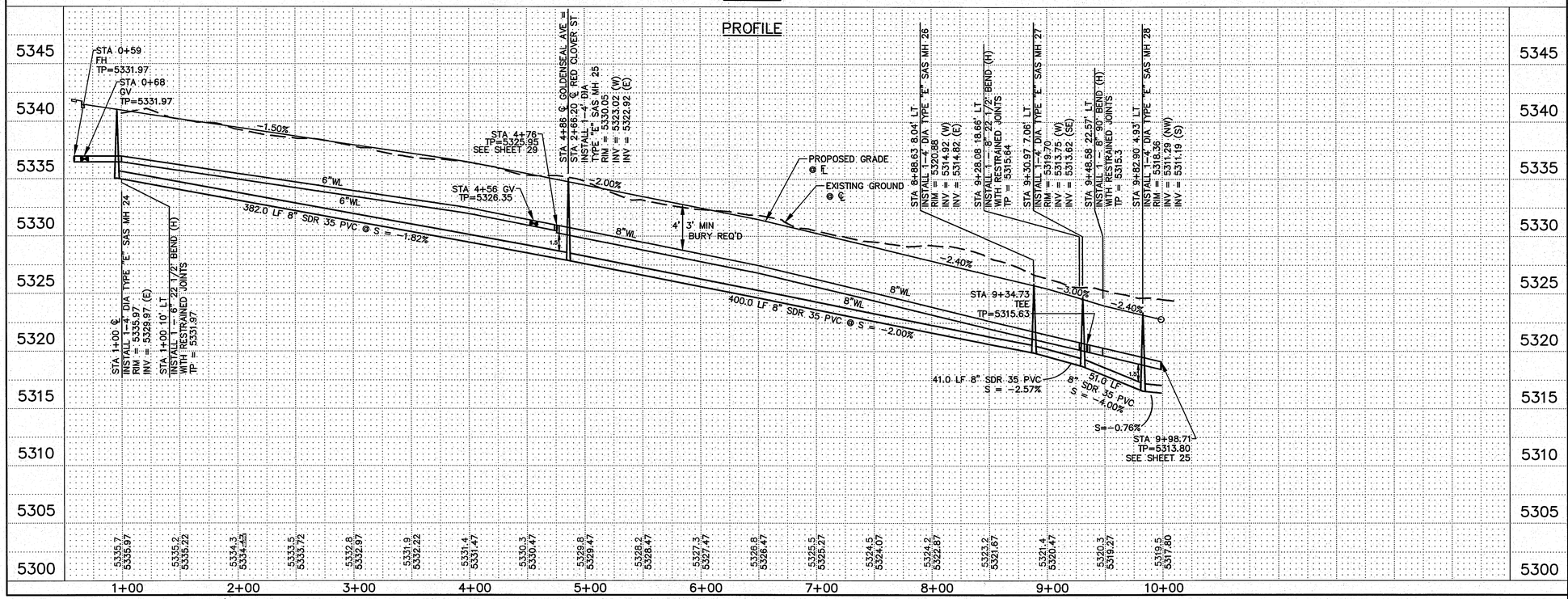
City Project No. 709788 | Zone Map No. C–10, C–11 | Drawing 30 | Sheet 35

WILSON &COMPANY



GOLDENSEAL COURT & AVE
PLAN

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



GOLDENSEAL COURT & AVE

3/4" WATER SERVICES

STATION	LOT	BLK	TYPE	LENGTH	REMARKS
*1+00.00	30	5	SINGLE	15.0'	LEFT
1+55.00	31,32	5	DOUBLE	15.0'	LEFT
1+54.25	16	5	SINGLE	18.2	RIGHT
2+75.00	33,34	5	DOUBLE	15.0'	LEFT
2+75.00	14,15	5	DOUBLE	15.0'	RIGHT
3+95.00	35,36	5	DOUBLE	15.0'	LEFT
3+95.00	12,13	5	DOUBLE	15.0'	RIGHT
5+95.00	1,2	7	DOUBLE	15.9'	LEFT
5+85.08	11,12	6	DOUBLE	15.2	RIGHT
7+15.00	3,4	7	DOUBLE	17.2'	LEFT
7+15.08	9,10	6	DOUBLE	14.2'	RIGHT
8+35.00	5,6	7	DOUBLE	18.3	LEFT
8+45.08	7,8	6	DOUBLE	13.1'	RIGHT
8+89.94	7	7	SINGLE	34.0'	LEFT
9+30.00	7,8	7	DOUBLE	29.7'	LEFT
9+46.71	10	7	SINGLE	35.9'	LEFT

* AIR RELEASE FOR HIGH POINT

GOLDENSEAL COURT & AVE

4" SEWER SERVICES

STATION	LOT	BLK	INV @ PL	LENGTH	REMARKS
0+55.03	30	5	32.8	21.4'	LEFT 2' RISER
1+45.00	31	5	32.0	21.0'	LEFT 2' RISER
2+06.00	32	5	31.1	21.0'	LEFT 2' RISER
2+06.00	16	5	31.1	31.0'	RIGHT
2+65.00	33	5	30.2	21.0'	LEFT 2' RISER
2+66.00	15	5	30.2	31.0'	RIGHT
3+25.00	34	5	29.3	21.0'	LEFT 3' RISER
3+26.00	14	5	29.3	31.0'	RIGHT
3+85.00	35	5	28.4	21.0'	LEFT 3' RISER
3+86.00	13	5	28.4	31.0'	RIGHT
4+44.00	36	5	27.7	22.5'	LEFT 3' RISER
4+45.00	12	5	27.7	33.5'	RIGHT
5+84.82	1	7	24.4	21.8'	LEFT 3' RISER
5+77.17	12	6	24.6	40.3'	RIGHT
6+45.74	2	7	23.2	22.3'	LEFT 3' RISER
6+44.35	11	6	23.3	39.2'	RIGHT
7+06.73	3	7	21.8	22.8'	LEFT 3' RISER
7+05.15	10	6	21.8	39.2'	RIGHT
7+67.73	4	7	20.3	23.3'	LEFT 2' RISER
7+70.35	9	6	20.2	38.7'	RIGHT
8+28.73	5	7	18.9	23.8'	LEFT 2' RISER
8+35.35	8	6	18.7	38.'2	RIGHT
8+88.63	6	7	17.6	23.5'	LEFT 2' RISER
8+88.63	7	6	17.9	43.0'	RIGHT
8+91.90	7	7	17.6	25.3'	LEFT 2' RISER
9+37.09	8	7	16.6	62.3'	LEFT 2' RISER
9+48.81	9	7	16.6	64.7'	LEFT
9+94.78	10	7	14.8	31.1'	LEFT 3' RISER

ALL SANITARY SEWER (SAS) TO BE SDR 35 PVC.

ALL WATER LINE (WL) TO BE C–900 PVC.

ALL FIRE HYDRANT LEGS REQUIRE 6" GATE VALVE AND TYPE 'A' BOX PER STD DWG 2340.

ALL MANHOLES PER STD DWG 2102, 2110, & 2111 UNLESS OTHERWISE NOTED.

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CPN 709788 – LA CUENTISTA UNIT II PHASE 2 CONSTRUCTION

AS–BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY
INSPECTOR'S FIELD FINANCE BY — DATE
VERIFICATION BY
REVISIONS COMPLETED BY — DATE
MICRO–FILM INFORMATION
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BENCH MARKS
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NAVD 88 U.S. FEET

SURVEY INFORMATION
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	BOUNDARY, WCI	10/01

ENGINEER'S SEAL
DONALD M. DUNEMAN
NEW MEXICO
17818
PROFESSIONAL ENGINEER
9/23/16
3/20/17

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KJS DATE DEC 2004
DRAWN BY VKL DATE DEC 2004
CHECKED BY DSA DATE DEC 2004

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II – PH 2
UTILITY PLAN & PROFILE
GOLDENSEAL COURT & AVE

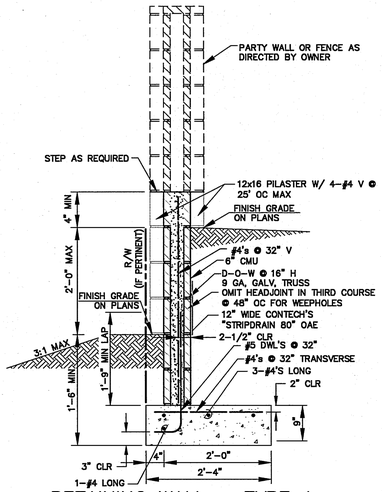
Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C–10, C–11	31	35

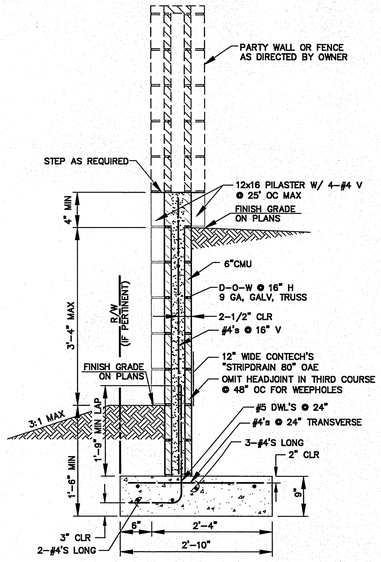
WILSON #1460008900
SEPT 2016

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3/20/17

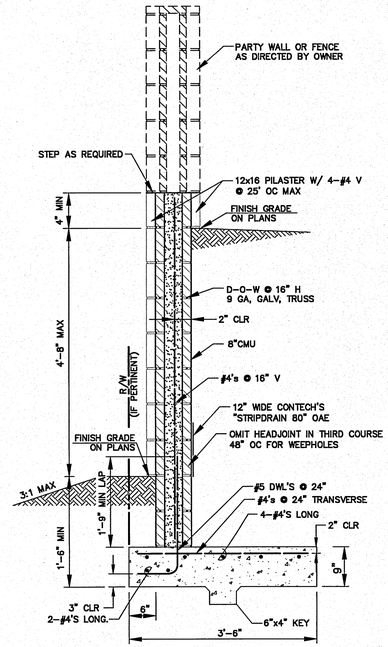
WILSON & COMPANY



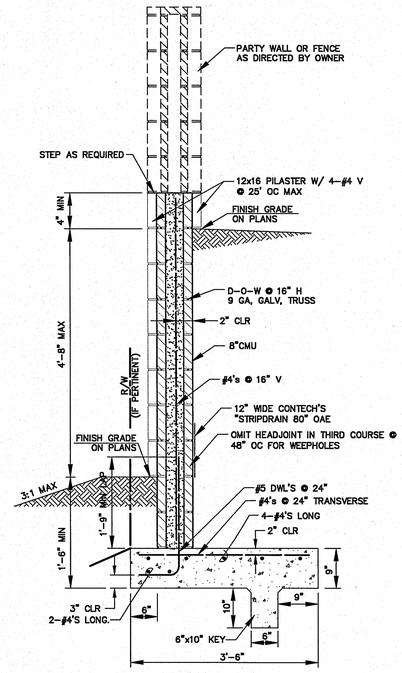
RETAINING WALL – TYPE A
3/4" = 1'-0"



RETAINING WALL – TYPE B
3/4" = 1'-0"



RETAINING WALL – TYPE C
3/4" = 1'-0"



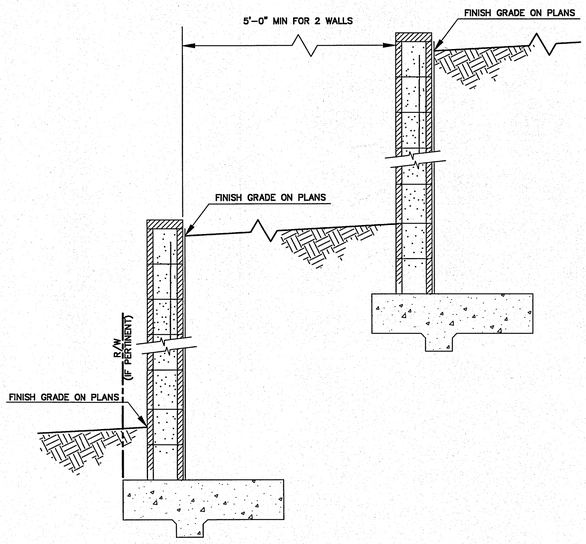
RETAINING WALL
TYPE C – TERRACED WALLS
3/4" = 1'-0"

RETAINING WALL NOTES

1. CONCRETE MASONRY STRENGTH, f'm = 1500 psi. MIN. STENGTH OF INDIVIDUAL CONCRETE MASONRY UNITS = 1900 psi.
2. CONCRETE f'c = 3000 psi.
3. STEEL REINFORCEMENT PER ASTM A615, GRADE 60. ALL DIMENSIONS SHOWN REFER TO CENTERLINE OF BARS UNLESS NOTED OTHERWISE. MIN. SPLICE LENGTH FOR LONG. # 4 BARS = 1'-0".
4. GROUT STRENGTH = 2500 psi.
5. PROVIDE VERTICAL CONCRETE AND MASONRY CONTROL JOINTS AT 24 FT. INTERVALS. SEE CONTROL JOINT DETAILS. MAKE EVERY FOURTH JOINT IN CONCRETE STEMS AN EXPANSION JOINT (MAXIMUM 90 FT. SPACING). SEE EXPANSION JOINT DETAIL.
6. USE HYDROCIDE 700B EMULSIFIED ASPHALT, OR EQUAL FOR WATERPROOFING SYSTEM ON FACES IN DIRECT CONTACT WITH RETAINED EARTH.
7. COMPACT BACKFILL BEHIND RETAINING WALLS USING PORTABLE, HAND-OPERATED TAMPERS, OR USE A LOW-STRENGTH LEAN CONCRETE (FLOWABLE FILL).
8. REMOVE ALL SOILS DOWN TO 2 FEET BELOW BOTTOM OF FOOTING AND LATERALLY 2 FEET BEYOND FOOTING. REPLACE WITH STRUCTURAL FILL CONFORMING TO THE PROJECT SPECIFICATIONS AND COMPACT TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
9. OWNER IS TO PROVIDE SPECIAL INSPECTION OF MASONRY CONSTRUCTION, CONCRETE AND REINFORCEMENT PLACEMENT, AND EARTHWORK IN ACCORDANCE WITH SECTION 17 OF THE BUILDING CODE.

DESIGN DATA

1. DESIGN SPECIFICATIONS: 2003 INTERNATIONAL BUILDING CODE
2. MATERIAL STRENGTHS:
   MASONRY F'M = 1500 PSI
   CONCRETE F'C = 3000 PSI
   STEEL FY = 60,000 PSI
3. EARTH PRESSURE: 32 PCF EQUIVALENT FLUID PRESSURE (ACTIVE), 300 PCF EQUIVALENT FLUID PRESSURE (PASSIVE), FRICTION COEFFICIENT 0.40, ALLOWABLE BEARING PRESSURE 1500 PSF
4. WIND VELOCITY: 90 MPH



TERRACED WALL DETAIL
3/4" = 1'-0"

⚠ WALL REVISIONS 3-8-07

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT II
RETAINING WALL DETAILS

FOR INFORMATION ONLY

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing	Sheet
709788	C-10, D-10 C-11, D-11	32	35

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STORM DRAINAGE POLYPROPYLENE PIPE TECHNICAL SPECIFICATIONS

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PART 1 – GENERAL

1.1 Related Requirements

A. Section - Submittals: Shop Drawings, Product Data, and Samples

B. Section – Earth Moving: Excavation and Fill

1.2 Summary

A. This section includes gravity-flow storm drainage outside the building, with the following components:

a. Drainage piping, fittings, and accessories

1.3 Reference Standards

A. American Society for Testing and Materials (ASTM)

a. ASTM D2321 – Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications

b. ASTM D3212 – Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals

c. ASTM F477 – Elastomeric Seals (Gaskets) for Joining Plastic Pipe

d. ASTM F2736 – 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall pipe And Double Wall Pipe

e. ASTM F2764 – 30 to 60 in. [300 to 1500 mm] Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

f. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))

1.4 Definitions

A. PP – Polypropylene Pipe

B. Piping System: All products associated with the drainage system including but not limited to pipe, fittings, drainage structures, geotextile, best management practice products and storage systems.

1.5 Performance Requirements

All pipe supplied shall meet the minimum joint performance requirements as defined herein and as further defined in the joint performance requirements of this specification.

A. Watertight Gravity-Flow, Non-Pressure, Drainage-Piping shall pass a 10.8 psi (104kPa), laboratory pressure test for 10 minutes with no visible leaks at the

joint or pipe wall. Piping shall pass same tests as above but with an axial joint misalignment of not less than 1 degree.

1.6 Submittals

The following shall be submitted by contractor in accordance with this technical specification.

Submittal Procedures:

A. Product Data for the following:

a. Pipe and Fittings

1. Product specifications

2. Installation procedures

B. Products submitted as approved equal must be submitted at least 2 weeks prior to project bid opening and must be approved by project engineer. Submittal for approved equal product must contain a signed letter from an executive officer of the manufacturer stating product is equivalent to all applicable requirements of this specification and shall include all items listed in section 1.6 of this specification.

1.7 Delivery, Storage, and Handling

A. All pipe and fittings shall be delivered to the site and unloaded with handling that conforms to the manufacturer's instructions for reasonable care. Pipe shall not be rolled or dragged over gravel or rock during handling. The Contractor shall take necessary precautions to ensure the method used in lifting or placing the pipe does not induce undue stress fatigue in the pipe.

PART 2 — PRODUCTS

2.1 Corrugated Polypropylene (PP) Pipe

2.1.1 General

A. Twelve- through 30-inch (300 through 750 mm) pipe shall be polypropylene or pre-approved equal. Pipe supplied shall be smooth interior and annular exterior corrugated polypropylene (PP) pipe meeting the requirements of ASTM F2736 for respective diameters. The pipe supplied shall be watertight as defined in the joint performance requirements of this specification.

Thirty- through 60-inch (750 through 1500 mm) pipe shall be polypropylene or pre-approved equal. Pipe supplied shall be with annular inner corrugations and smooth interior and exterior surfaces, corrugated polypropylene (PP) pipe meeting the requirements of ASTM F2764 for respective diameters. The pipe supplied shall be watertight as defined in the joint performance requirements of this specification.

B. Virgin material for 12- through 60-inch pipe and fitting production shall be an impact modified copolymer meeting the material requirements of ASTM F2736 and ASTM F2764 for respective pipe diameters.

2.1.2 Joint Performance and Pipe Stiffness

Watertight joints shall be bell-and-spigot meeting the watertight requirements of ASTM F2736 and ASTM F2764. Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Pipe stiffness - Minimum pipe stiffness at 5% deflection shall meet the requirements per ASTM F2736 and ASTM F2764.

2.1.3 Fittings

A. Fittings shall conform to ASTM F2736 or ASTM F2764. Joint shall meet watertight joint performance requirements of ASTM D3212. Bell & spigot connections shall utilize a spun-on, welded or integral bell and spigot with gaskets meeting ASTM F477. Inserta tee type fittings shall be allowed upon approval by the Engineer.

B. Repair couplers may be utilized to connect field-cut pipe.

2.1.4 Installation

Pipe installation shall be in accordance with Section 3 of this specification and the product manufacturer's published installation guides.

PART 3 — EXECUTION

3.1 Earthwork

A. Excavation, trenching, and backfilling shall be as specified in Section titled "Excavation and Fill."

3.2 Identification

A. For all stormwater and subsurface drainage piping, install warning tape directly over pipe and at outside edges of underground structures.

a. Detectable warning tape shall be installed over nonferrous piping and over edges of underground structures.

3.3 Piping Inspection

3.3.1 General

A. Piping, fittings, and drainage structures shall be inspected prior to installation and any defective or damaged product shall be replaced.

3.3.2 Corrugated Polypropylene Pipe and Fittings

A. Any pipe, fittings, or drainage structures with cuts, punctures, or other damage on the interior or exterior shall be rejected and replaced.

B. Any pipe, fittings or drainage structures with damaged ends or joints, which would prevent proper sealing of the joints, shall be rejected and replaced.

3.4 Piping, Fitting, and Drainage Structure Installation

3.4.1 General

A. General Locations and Arrangements: Drawing plans and details indicate general location and arrangement of underground storm and drainage piping system. Location and arrangement of piping layout take design considerations into account. Install piping system as indicated herein and as directed by the product manufacturer, to extent practical. Where specific installation procedure is not indicated, follow product manufacturer's written instructions.

B. All products shall be inspected for defects and cracks before being lowered into the trench, piece by piece. Any defective, damaged or unsound pipe, fitting or drainage structure or any product that has had its grade disturbed after laying, shall be taken up and replaced. Open ends shall be protected with a pipe plug to prevent earth or other material from entering the pipe during construction. The interior of the pipe shall be free from dirt, excess water and other foreign materials as the pipe laying progresses and left clean at the completion of the installation.

C. Install piping system beginning at low point, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's written instructions. Follow product manufacturer's instructions for the use of lubricants, cements, and other special installation requirements.

D. Use Manholes or Catch Basins for changes in direction, unless fittings are indicated. Use fittings for branch connections, unless direct tap into existing sewer is indicated.

E. Use proper size increasers, reducers, and couplings where different sizes or materials of pipes and fittings are connected. Reducing size of piping in direction of flow is prohibited.

3.4.2 Trench Excavation

3.4.2.1 Excavation

A. Excavate trenches to ensure that sides will be stable under all working conditions. Slope trench walls or provide supports in conformance with all local and national standards for safety. Open only as much trench as can be safely maintained by available equipment. Backfill all trenches as soon as practicable.

B. Where trench walls are stable or supported, provide a width sufficient, but no greater than necessary, to ensure working room to properly and safely place and compact haunching and other embedment materials. The space between the pipe and trench wall must be wider than the compaction equipment used in the pipe zone. Minimum width shall be not less than the greater of either the pipe outside diameter plus 16 in. or the pipe outside diameter times 1.25, plus 12 in. In addition to safety considerations, trench width in unsupported, unstable soils will depend on the size and stiffness of the pipe, stiffness of the embedment and in-situ soil, and depth of cover.

C. When supports such as trench sheeting, trench jacks, trench shields or boxes are used, ensure that support of the pipe and its embedment is maintained throughout installation. Ensure that sheeting is sufficiently tight to prevent washing out of the trench wall from behind the sheeting. Provide tight support of trench walls below viaducts, existing utilities, or other obstructions that restrict driving of sheeting.

3.4.2.2 Dewatering

A. Do not lay or embed pipe fittings or drainage structures in standing or running water. At all times prevent runoff and surface water from entering the trench.

B. When water is present in the work area, dewater to maintain stability of in-situ and imported materials. Maintain water level below pipe bedding and foundation to provide a stable trench bottom. Use, as appropriate, sump pumps, well points, deep wells, geofabrics, perforated underdrains, or stone blankets of sufficient thickness to remove and control water in the trench. When excavating while depressing ground water, ensure the ground water is below the bottom of cut at all times to prevent washout from behind sheeting or sloughing of exposed trench walls. Maintain control of water in the trench before, during, and after pipe system installation and until embedment is installed and sufficient backfill has been placed to prevent flotation of the pipe, fitting, or drainage structures. To preclude loss of soil support, employ dewatering methods

that minimize removal of fines and the creation of voids in in-situ materials.

3.4.2.3 Removal of Rock

A. Rock in either ledge or boulder formation shall be replaced with suitable materials to provide a compacted earth cushion having a thickness between exposed rock and the pipe of at least 12 inches (0.3m). Where Bell-and-Spigot pipe is used, the cushion shall be maintained under the bell as well as under the straight portion of the pipe.

3.4.2.4 Removal of Unstable Material

A. Where wet or otherwise unstable soil incapable of properly supporting the pipe system, as determined by the Engineer, is encountered in the bottom of a trench, such material shall be removed to at least 24 inches below bottom of pipe and replaced to the proper grade with select granular material, compacted as directed by the engineer. When removal of unstable material is due to the fault or neglect of the Contractor while performing shoring and sheeting, water removal, or other specified requirements, such removal and replacement shall be performed at no additional cost to the Owner.

3.4.3 Bedding

A. A stable and uniform bedding shall be provided for the pipe and any protruding features of its joint and/or fittings. The middle of the bedding, equal to one-third of the pipe outside diameter, shall be loosely placed while the remainder shall be compacted to a minimum of 90% of maximum density per ASTM D1557, or as shown in the plans. Pipe bedding shall be a minimum of 4" – 6" in thickness. The bedding surface for the pipe shall provide a firm foundation of uniform density throughout the entire length of the pipe.

3.4.4 Placing Pipe

A. Each pipe shall be thoroughly examined before being laid; defective or damaged pipe shall not be used. Pipelines shall be laid to the grades and alignment indicated. Proper facilities shall be provided for lowering sections of pipe into trenches. Pipe shall not be laid in water, and the pipe shall not be laid when trench conditions or weather are unsuitable for such work. Diversion of drainage or dewatering of trenches shall be provided as directed by the engineer; see dewatering section.

3.4.5 Jointing

A. Joints shall be constructed as described herein and in accordance with manufacturer's installation instructions.

B. All Bell-and-Spigot pipe joints shall be thoroughly cleaned. Joint lubricant, supplied by the manufacturer, shall be liberally applied to entire interior of bell and gasket on spigot prior to assembly.

WILSON #1460008900
SEPT 2016

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

BENCH MARKS

ACS 1 3" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW. EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

ENGINEER'S SEAL

DONALD M. DUNSMAN
NEW MEXICO
17616
PROFESSIONAL ENGINEER
9/18/16

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY KIS DATE JUNE 2016
DRAWN BY ALL DATE JUNE 2016
CHECKED BY DSA DATE JUNE 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT I – PH 1/2
HIGH PERFORMANCE POLYPROPYLENE PIPE SPECS

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr. / Mo./Day/Yr.

City Project No. 709788
Zone Map No. C–10, D–10 C–11, D–11
Drawing 33
Sheet 35

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3.4.6 Backfilling

3.4.6.1 General

Backfill placement and compaction shall be constructed in accordance with the specifications herein and the product manufacturer's published installation guides.

3.4.6.2 Backfilling Pipe in Trenches

After the pipe and pipe system have been properly bedded, selected material from excavation or borrow, at a moisture content that will facilitate compaction, shall be placed along both sides of pipe in layer depths to ensure minimum compaction density is obtained evenly throughout the backfill material. The backfill shall be brought up evenly on both sides of pipe and pipe system for the full length of pipe. The fill shall be thoroughly compacted under the haunches of the pipe. Each layer shall be thoroughly compacted with mechanical tampers or rammers. This method of filling and compacting shall continue until the fill has reached the top of the pipe. The remainder of the trench shall be backfilled and compacted by spreading and rolling or compacted by mechanical rammers or tampers. Tests for density shall be made as necessary to ensure conformance to the compaction requirements specified below.

3.4.6.3 Backfilling Pipe in Fill Sections

For pipe placed in fill sections, fill shall be constructed to at least 6 inches above the top of proposed pipe prior to trench excavation. Fill shall be placed in 12 inch lifts and shall be compacted to achieve 90% of maximum density, or as shown on plans. Once fill is placed and compacted pipe trench shall be constructed in accordance with the Trench Excavation section of this specification.

3.4.6.4 Movement of Construction Machinery

When compacting by rolling or operating heavy equipment parallel with the pipe, displacement of or injury to the pipe shall be avoided. Movement of construction machinery over a culvert or storm drain at any stage of construction shall be at the Contractor's risk. Any damaged pipe shall be repaired or replaced.

3.4.6.5 Compaction

3.4.6.5.1 General Requirements

Non-cohesive materials include gravels, gravel-sand mixtures, sands, and gravelly sands. Cohesive materials include clayey and silty gravels, gravel-silt mixtures, clayey and silty sands, sand-clay mixtures, silts, and very fine sands. When results of compaction tests for moisture-density relations are recorded on graphs, non-cohesive soils will show straight lines or reverse-shaped moisture-density curves, and cohesive soils will show normal moisture-density curves.

3.4.6.5.2 Minimum Density

Backfill over and around the pipe and backfill around and adjacent to drainage structures shall be compacted at the approved moisture content to the following applicable minimum density, which will be determined as specified below.

a. Under airfield and heliport pavements, paved roads, streets, parking areas, and similar-use pavements including adjacent shoulder areas, the density shall be not less than 90 percent of maximum density as determined by ASTM D 1557, up to the elevation where requirements for pavement subgrade materials and compaction shall control.

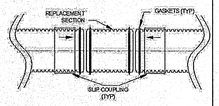
3.4.6.6 Determination of Density

Testing shall be performed by an approved commercial testing laboratory or by the Contractor subject to approval by the Engineer. Tests shall be performed in sufficient number to ensure that specified density is being obtained. Laboratory tests for moisture-density relations shall be made in accordance with ASTM D1557 except that mechanical tampers shall be used provided the results are correlated with those obtained with the specified hand tamper. Field density tests shall be determined in accordance with ASTM D2167 or ASTM D2922. Test results shall be furnished to the Engineer.

Repair Methods

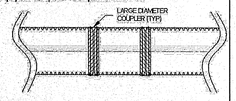
3.5.1 External Methods

Slip Couplings 12- through 30-inch (300 – 750 mm), provides a watertight repair that will meet most pressure testing requirements, when installed correctly. The slip coupling uses PVC bells with gaskets. The gaskets are placed in the valleys on either side of the section to be repaired and slip couplings are then slid over the gaskets. Due to the exterior gasket, the slip coupling can only be used on pipe with a corrugated exterior. PVC slip couplings are most commonly used with watertight smooth interior thermoplastic pipe products. *Note: This repair method cannot be used with the triple wall, smooth exterior profile pipe.*



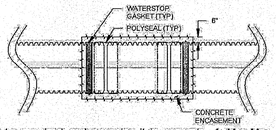
Large Diameter Repair Coupler 12- through 60-inch (300 – 1500 mm) are ideal for repairs and alterations of large diameter sewer pipe. Repair couplers similar to those provided by Mission Rubber Company LLC, Fernco® or equal may be used on HP pipe.

The couplers are used by removing the damaged section of pipe, replacing it with a new section and then sliding the coupler back around the



joint, similar to the slip coupling above. The couplers stainless steel bands are then tightened to the manufactures recommendations. These rubber couplings are capable of meeting watertight field test requirements when installed per the manufacturer's recommendations.

Concrete Collar 12- through 60-inch (300 – 1500 mm), provides a water tight repair testable to most hydrostatic test with an appropriate leakage requirement. Installing a concrete collar involves building a form around the area to be repaired and encasing it in concrete. A *Mar Mac Polyseal Pipe Coupler* is wrapped around the repair area or joint prior to pouring the collar to keep the concrete from seeping into the pipe. *WaterStop* gaskets are installed outside of the *Polyseal* coupler towards the outside edge of the concrete collar. Typically, approximately 6" (0.15m) is excavated beneath the pipe to allow for proper application of the *Polyseal* coupler and concrete encasement. If the pipe itself is damaged, the damaged area shall be removed and a replacement pipe section spliced in prior to pouring the collar. This repair option may be employed for either dual wall or triple wall sanitary pipe.



3.5.2 Internal Methods

Internal mechanical repair products generally consist of a flexible cylindrical gasket sleeve, which is expanded to conform to the inner wall of the pipe. The feasibility of this repair method depends on the size of the damaged section or joint and available access into the pipe. Internal mechanical seals slightly restrict the inside diameter of the pipe. This should be considered when assessing the risk of debris obstruction.

NPC Internal Joint Seal, 18- through 60-inch (450 – 1500 mm), consists of an EPDM rubber seal and stainless steel bands. The rubber seal is inserted into the pipe and positioned over the joint. A torque wrench is used to expand the bands against the inner wall of the pipe. The Internal Joint Seal is designed to seal joints – not repair damaged pipe sections. The damaged area of the pipe must be removed and a replacement section spliced in if necessary in order to use the Internal Joint Seal. This system may provide a watertight joint when installed as recommended. The manufacture should be contacted to verify the product meets the specific application requirements including test requirements, if specified. If pressure tests are required, NPC should be contacted to ensure that the product is suitable for the specific test criteria.

Welding, 36- through 60-inch (900 – 1500 mm), is another method of internal joint repair where personnel use hand-held welding guns to make the needed repair. Extrusion welding techniques are most commonly utilized; however other welding methods may be used depending on the condition of the damage. Clean and dry working conditions and skilled operators are critical to a successful repair. Contact ADS to discuss the type of damage and to assess if a welded repair will be suitable.

Link Pipe Grouting Sleeve™, 12- through 60-inch (100 – 1500 mm), is a stainless steel grouting sleeve that is installed with an inflatable plug. The sleeve may be used to seal a joint or repair short sections of damaged pipe. The manufacture should be contacted to verify the product meets the specific application requirements including test requirements, if specified.

Internal chemical sealing is another method of internal joint repair using chemically activated gel or grout to minimize joint leakage. The grout is typically applied with specialized remote-controlled equipment. Test/seal packer is used to remotely seal a joint. The grouting chemicals are forced through the joint out into the surrounding soil where they gel with the soil. The gelled mass forms a waterproof collar around the pipe. The result is significantly reduced leakage. There are several types of chemical grouts available and the manufacturer should be contacted to review the specific situation and any joint tightness or pressure test criteria. Companies such as Avanti International, Strata Tech Inc., and Carylon Corporation manufacture and/or install chemical grout. Stephen's Technologies *New Life Coatings* and *NewLife Liner Systems* as well as Avast Hydro-Lining International, are examples of companies that offer cured in place epoxy lining systems that have been effectively used with HDPE pipe. Most pipe diameters can be chemically grouted provided the grouting contractor has the appropriate equipment.

SURVEY INFORMATION

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ENGINEER'S SEAL

DONALD M. DUNKMAN
NEW MEXICO
17618
PROFESSIONAL ENGINEER
9/18/16

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WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY KIS DATE JUNE 2016
DRAWN BY ALL DATE JUNE 2016
CHECKED BY DSA DATE JUNE 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT I – PH 1/2
HIGH PERFORMANCE POLYPROPYLENE PIPE DETAILS

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 709788
Zone Map No. C–10, D–10 C–11, D–11
Drawing 34
Sheet 35

WILSON #1460008900
SEPT 2016

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STORM TRENCH INSTALLATION DETAIL

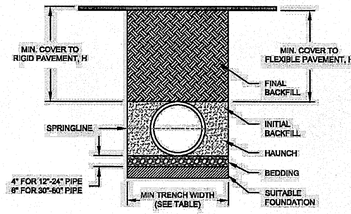


TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN TRENCH WIDTH
12" (300mm)	30" (750mm)
15" (375mm)	34" (860mm)
18" (450mm)	39" (990mm)
24" (600mm)	48" (1200mm)
30" (750mm)	58" (1420mm)
36" (900mm)	64" (1620mm)
42" (1050mm)	72" (1830mm)
48" (1200mm)	80" (2030mm)
60" (1500mm)	98" (2440mm)

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS", LATEST ADDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321, CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II,OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE 90% OF MAXIMUM DENSITY PER ASTM D1557 OR AS SHOWN ON THE PLANS. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12"-24" (300mm-600mm) DIAMETER PIPE; 9" (150mm) FOR 30"-60" (750mm-900mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED.
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. FOR TRAFFIC APPLICATIONS; CLASS I, II OR III MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 90 PERCENT OF MAXIMUM DENSITY PER ASTM D1557. CLASS IV MATERIALS AS DEFINED IN ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

TABLE 2, MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48" (300mm - 1200mm)	12" (300mm)	48" (1200mm)
60" (1500mm)	24" (600mm)	60" (1500mm)

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

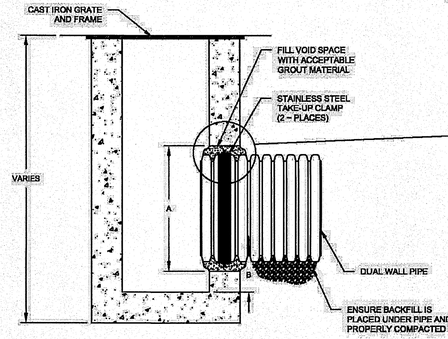
THIS INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

COA HP PP STORM TRENCH INSTALLATION DETAIL

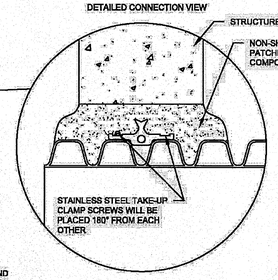
DWG NO. ABC | DATE | SHT NO. ENG | NTS | OF

12"-60" WATERSTOP GROUTED MANHOLE CONNECTION (DUAL WALL)

INSTALLATION VIEW



DETAILED CONNECTION VIEW



PIPE SIZE (IN)	PIPE OD (IN)	"A" MIN. HOLE Ø (IN)	"B" MIN. DISTANCE PIPE INVERT TO STRUCUTRE INVERT (IN).
12	14.5	19.50	3.7
15	17.6	23.00	4.0
18	21.2	26.50	4.2
24	27.8	33.25	4.5
30	35.1	40.50	5.2
36	41.1	47.00	5.5
42	47.7	53.00	5.7
48	53.6	59.00	5.7
60	66.3	72.00	6.4

NOTES:

PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

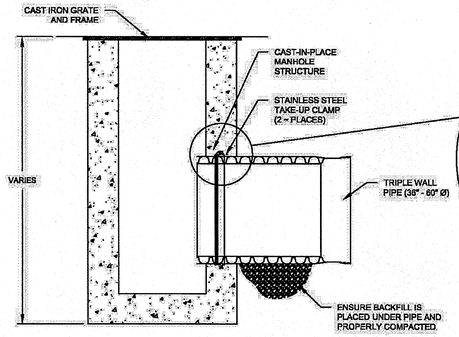
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COA WATERSTOP GROUTED MANHOLE CONNECTION DETAIL

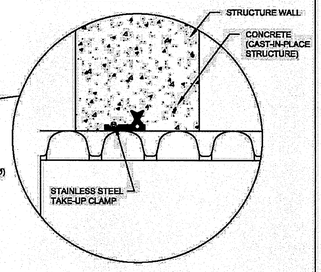
DWG NO. ABC | DATE | SHT NO. ENG | NTS | OF

30"-60" WATERSTOP GROUTED MANHOLE CONNECTION (TRIPLE WALL)

INSTALLATION VIEW



DETAILED CONNECTION VIEW



PIPE SIZE (IN)	PIPE OD (IN)	"A" MIN. HOLE Ø (IN)
36	41.1	46.0
42	47.2	52.5
48	53.8	60.0
60	66.5	72.5

WS-30 WATERSTOP GROUT RING is a product of Press-Seal Gasket Corporation (www.press-seal.com)

NOTES:

PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

THIS INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

COA WATERSTOP GROUTED MANHOLE CONNECTION 36" - 60" DETAIL

DWG NO. ABC | DATE | SHT NO. ENG | NTS | OF

SURVEY INFORMATION

BENCH MARKS

ACS 1 "2" ALUMINUM DISK STAMPED "ACS BM 5–D11", LOCATED 72' ± ESE OF THE CENTER OF THE CUL–DE–SAC AT THE SOUTH END OF RIDGEWAY DR. NW. EPOXIED TO LAVA ROCK IN OUTCROPPING

ELEVATION = 5270.09 FT.
NAVD 88 U.S. FEET

FIELD NOTES

NO.	BY	DATE
	AERIAL MAPPING, WCI	05/01
	BOUNDARY, WCI	06/01
	BOUNDARY, WCI	10/01

ENGINEER'S SEAL

DONALD M. DUNTMAN, NEW MEXICO, 17616, 9/18/16, PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY K/S DATE JUNE 2016
DRAWN BY ALL DATE JUNE 2016
CHECKED BY DSA DATE JUNE 2016

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

LA CUENTISTA SUBDIVISION UNIT I – PH 1/2
HIGH PERFORMANCE POLYPROPYLENE PIPE DETAILS

Design Review Committee: APPROVED OCT 17 2016 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 06 2017 CITY ENGINEER

Last Design Update: Mo./Day/Yr.

City Project No. 709788
Zone Map No. C–10, D–10 C–11, D–11
Drawing 35
Sheet 35

WILSON #1460008900
SEPT 2016

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