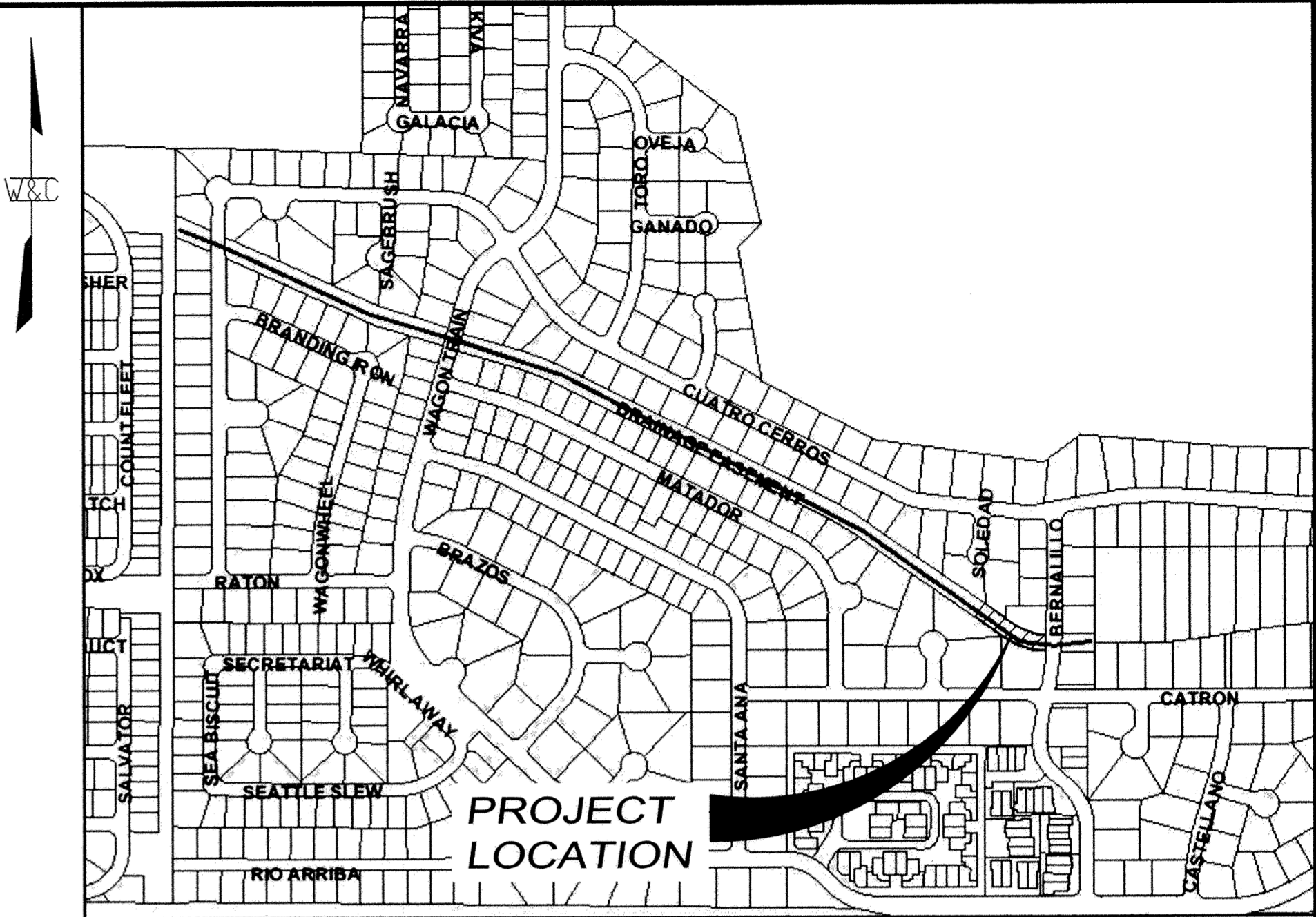




CITY OF ALBUQUERQUE, NEW MEXICO  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
CONSTRUCTION PLANS FOR



FOUR HILLS ARROYO  
BERNALILLO PLACE ACCESS RAMP



VICINITY MAP  
N.T.S.  
COA ZONE ATLAS: M-22

INDEX OF DRAWING SHEETS	
SHEET No.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	DEMOLITION PLAN
4	GRADING PLAN - BERNALILLO PLACE S.E.
5	RAMP CROSS SECTIONS
6	PLAN VIEW, GENERAL NOTES AND TYPICAL SECTIONS
7	LONGITUDINAL PROFILES
8	WALL SECTIONS AND DETAILS

LEGEND — EXISTING		
	INDEX CONTOUR	METER — GAS
	INTERMEDIATE CONTOUR	TREE
	LIGHT POLE	TREE/SHRUB
	POWER POLE — LARGE	INLET
	POST — DELINEATOR	MANHOLE — WATER
	POST — FENCE	METER — ELECTRIC
	POLE — POWER	PEDESTAL — TELEPHONE
	FIRE HYDRANT	EXISTING FENCE
	CONTROL POINT	PROPOSED FENCE
	WATER METER	RIGHT-OF-WAY
	WATER VALVE	PROPOSED CONCRETE
	MANHOLE — SEWER	PROPOSED BASE COURSE
	MANHOLE — STORM	

TC—TOP OF CURB  
TOC—TOP OF CONCRETE  
FL—FLOWLINE  
ME—MATCH EXISTING

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE				APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION
				DRC Chairman	<i>A. Woodfall</i>	8/14/12	 CITY ENGINEER DATE SHEET
				Transportation	<i>[Signature]</i>	08/02/12	
				Water/Wastewater	<i>[Signature]</i>	7-31-12	
				Hydrology	<i>[Signature]</i>	8-10-12	
				Const. Coord.			
CITY PROJECT NO.				COA # 5233.91			1 OF 8

WCI #1260002003

WILSON & COMPANY  
4900 LANG AVE., N.E.  
ALBUQUERQUE, NEW MEXICO 87109  
PH (505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

M:\IFS\12-600-020-03\CADD\SHEETS\GEN\12600003\_COVER.DWG 7/25/2012 9:13 AM

1. ALL IMPROVEMENTS, UNLESS OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 1986 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (CURRENTLY UPDATE 8).
2. STANDARD DRAWINGS: REFER TO STANDARD DRAWINGS FOR THE 1986 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (CURRENTLY UPDATE 8) UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
5. UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR WHEN ANY PORTION OF THE WORK IS IN THE PUBLIC RIGHT-OF-WAY OR AFFECTING ON-SITE PUBLIC OR PEDESTRIAN CIRCULATION. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FOR ON-SITE CONSTRUCTION. TRAFFIC CONTROL WITHIN THE CITY/COUNTY RIGHT-OF-WAY SHALL DEFAULT TO THE CITY/COUNTY TRAFFIC DEPARTMENT FOR APPROVAL. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED FROM THE AUTHORITY. THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE DMD CONSTRUCTION COORDINATION DIVISION.
6. THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME, INCLUDING WEEKENDS, HOLIDAYS AND AFTER HOURS. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION. PERMIT COSTS ARE INCIDENTAL TO BASE BID.
8. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH AND ENVIRONMENTAL PROTECTION. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
9. EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE MADE IMMEDIATE AND WITHOUT DELAY. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT. ANY DISTURBED UTILITIES SHALL BE REPAIRED RESTORED AT CONTRACTORS EXPENSE.
10. THE CONTRACTOR SHALL USE THE DESIGNATED STAGING AREAS FOR STORAGE OF EQUIPMENT AND MATERIAL. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ON-SITE AT ANY OTHER LOCATION. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA.
11. ALL STATIONING REFERS TO THE CENTERLINE OF THE RIGHT-OF-WAY UNLESS OTHERWISE NOTED. STATIONING OF CHANNELS OR PIPES IN DRAINAGE EASEMENTS REFERS TO THE CENTERLINE OF CHANNEL OR PIPE, UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL PRIVATE PROPERTY DURING THE COURSE OF CONSTRUCTION, FOR BOTH VEHICLE AND PEDESTRIAN ACCESS INCLUDING ADA ACCESS.

14. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITY CONFLICTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

15. UTILITY ALLOWANCE CONTRACTOR SHALL INCLUDE A UTILITY ALLOWANCE OF \$ 10,000. AS PART OF THE BASE BID. UTILITY ALLOWANCE IS INTENDED TO COVER THAT WORK WHICH IS NOT KNOWN DUE TO COVERED AND UNFORESEEN UNDERGROUND UTILITY CONFLICTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A DETAILED SCOPE OF WORK AND COST FOR REVIEW BY OWNERS REPRESENTATIVE PRIOR TO PROCEEDING. PROVISIONS OF ALLOWANCE DOES NOT GUARANTEE FULL AMOUNT TO CONTRACTOR. ONLY THAT PORTION OF MONEY USED FOR INTENDED PURPOSES WILL BE EXPENDED.

16. AS-BUILTS: CONTRACTOR SHALL DELIVER FINAL CERTIFIED AS-BUILTS IN HARD COPY AND ACAD R2005 OR BETTER. AS-BUILTS SHALL BE SUBMITTED WITH SUBSTANTIAL COMPLETION PAY APPLICATION. NO PAYMENT WILL BE MADE WITHOUT AS-BUILT SUBMITTAL.

17. TO SCHEDULE ALL LINE SPOTTING FOR CONSTRUCTION PROJECTS, PLEASE CONTACT PABLO RAEI AT ABASTO UTILITY LOCATING COMPANY (505) 889-3341.

18. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL PROJECT HAS BEEN APPROVED BY THE COA.

19. VIBRATION MONITORING AND VIDEO TAPING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES PRIOR TO MOBILIZATION AS DEFINED IN THIS GENERAL NOTE AND AS DIRECTED BY THE PROJECT MANAGER. "STRUCTURES" IS DEFINED AS BRIDGES, CULVERTS, CATCH BASINS, DROP INLETS, RETAINING WALLS, CRIBBING, MANHOLES, ENDWALLS, BUILDINGS, SEWERS, SERVICE PIPES, UNDER DRAINS, FOUNDATION DRAINS, AND OTHER SUCH FEATURES THAT MAY BE ENCOUNTERED IN THE WORK. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL ALSO BE VIDEO TAPED. VIBRATION MONITORING, VIDEO-TAPING, AND RELATED WORK SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS INCLUDED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS OF THE CONTRACT BOOK AND PAID FOR AT THE LUMP SUM CONTRACT PRICE FOR ITEM 1600.001 VIBRATION MONITORING, COMPLETE.

EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN:

1. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.

2. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

3. THE 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 AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN.

4. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING CHECK DAMS IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS SPECIFIED ON THE STORM WATER POLLUTION PREVENTION PLAN.

5. THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING, WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. 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 AN EARTH DISTURBING ACTIVITIES WILL NOT BE INITIATED WITHIN 21 DAYS, STABILIZATION MEASURES MUST BE INITIATED UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN. NATIVE GRASS SEEDING SHALL BE CLASS A SEEDING PER SECTION 1011 AND 1012 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. COST IS INCIDENTAL TO BASE BID.

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 THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED

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. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

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

12. THE CONTRACTOR SHALL PREPARE AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN. COST IS INCIDENTAL TO BASE BID.

**ROADS:**

1. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS. ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.

2. ALL PERMANENT SIGNS, BARRICADES, CHANNELIZATION DEVICES PAVEMENT MARKINGS, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.

3. ALL STREET STRIPING ALTERED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO MATCH THE ORIGINAL CONDITIONS (I.E. TYPE, SPACING) AT THE LOCATION PRIOR TO CONSTRUCTION, OR AS SHOWN IN THIS PLAN SET.

4. STREET GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS REPLACED. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.

5. A STREET CUT PERMIT MUST BE ACQUIRED FROM, AND TRAFFIC CONTROL PLAN APPROVED BY, THE OMD CONSTRUCTION COORDINATION DIVISION PRIOR TO CONSTRUCTION.

6. ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BY A LICENSED CONTRACTOR AND REQUIRES PERMIT AND APPROVAL BY CITY OF ALBUQUERQUE.

7. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS THE EXISTING PAVEMENT SHALL BE SAW CUT TO A STRAIGHT LINE AT RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO PAVING, THEREFORE , NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

**UTILITY CONTACTS**

COMPANY	PHONE	MO
ABCWUA	505-768-2713	
NM GAS COMPANY	505-697-3529	505-3
NM GAS COMPANY	505-697-3599	505-6
COMCAST	505-761-6252	
PNM ELECTRIC CO	505-241-0529	
QWEST	505-245-6374	



1. IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERE TO, AND ASSUMES NO RESPONSIBILITY ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION OR NEAR THE AREA IN ADVANCE OF ANY DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.



2. THE CONTRACTOR SHALL NOTIFY NEW MEXICO ONE CALL FOR LINE SPOTTING, INC. AT 260-1990 AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK ON THIS PROJECT.

1. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS. ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.
2. ALL PERMANENT SIGNS, BARRICADES, CHANNELIZATION DEVICES, PAVEMENT MARKINGS, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM FRACTION CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.
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3. THE 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 AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN.
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5. THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING, WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

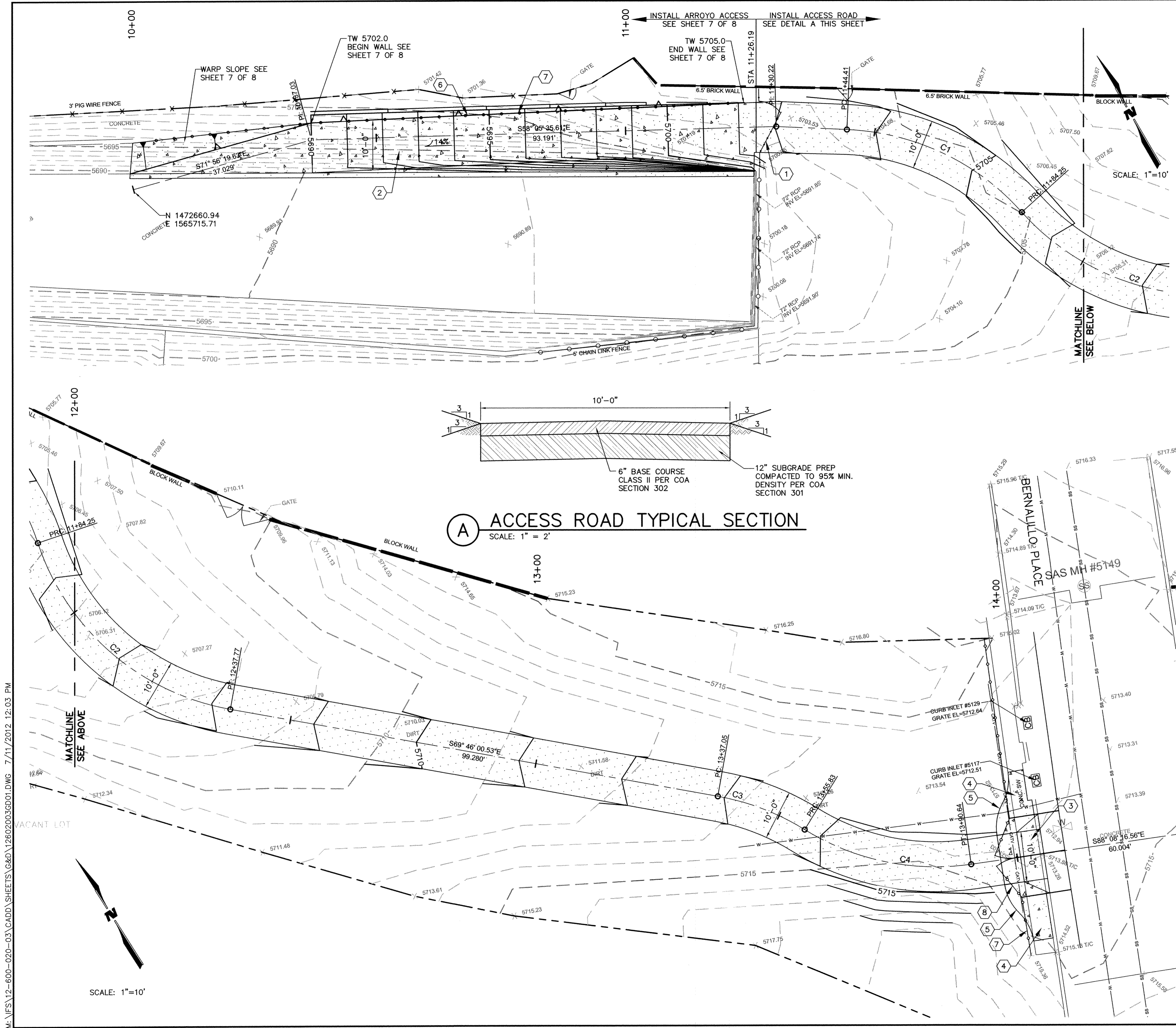
COMPANY	PHONE	MOBILE	CONTACT
ABCWUA	505-768-2713	505-362-5790 505-681-4423	ANTHONY MONTOYA, JR. P.E.
NM GAS COMPANY	505-697-3529		CLARA BUSTAMANTE
NM GAS COMPANY	505-697-3599		TOM BULLARD
COMCAST	505-761-6252		MIKE MORTUS
PNM ELECTRIC CO	505-241-0529		EDUARDO CORTEZ
QWEST	505-245-6374		ROSA KNIFFIN

 <p>4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 www.wilsonco.com</p>				<b>ENGINEER'S SEAL</b>		<b>SURVEY INFORMATION</b>		<b>BENCH MARKS</b>		<b>AS BUILT INFORMATION</b>	
						FIELD NOTES NO. BY DATE		CONTROL STATION "CP-100" BENCHMARK IS A REBAR w/ALUMINUM CAP, STAMPED, "WILSON & COMPANY, INC. CP-100".		CONTRACTOR DATE WORK ORDER BY DATE INSPECTOR'S DATE ACCEPTANCE BY DATE FIELD LOCATION BY DATE DRAWINGS CORRECTED BY DATE	
NO. DATE		REMARKS		BY							
		REVISIONS									
		DESIGN									
		DESIGNED BY:		DATE:				X=1,588,856.662		MICRO-FILM INFORMATION	
		DRAWN BY:		DATE:				Y=1,610,895.00		RECORDED BY	
		CHECKED BY: -		DATE: -				ELEV=5,201.240 (NAVD 88)		NO.	
								GROUND-TO-GRID FACTOR=1.0003425773			

 <p><b>CITY OF ALBUQUERQUE</b> CITY ENGINEER APPROVAL</p>		 <p><b>CITY OF ALBUQUERQUE</b> DESIGN REVIEW COMMITTEE APPROVAL</p>	
TITLE: <b>FOUR HILLS ARROYO ACCESS RAMP</b>			
GENERAL NOTES			
Design Review Committee APPROVED AUG 14 2012 DESIGN REVIEW COMMITTEE		City Engineer Approval APPROVED AUG 14 2012 CITY ENGINEER	
City Project No. 5233.91		Zone Map No. M-22	
Sheet 2		Of 8	



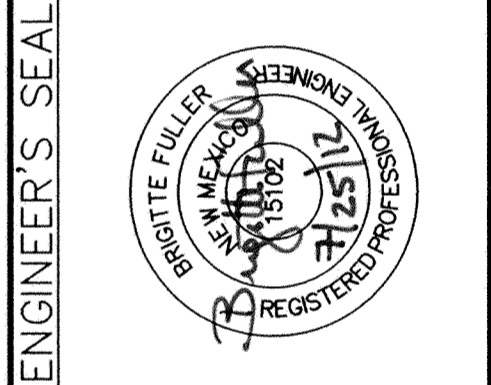
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### KEYED NOTES

1. INSTALL 12'-0" WIDE PIPE GATE PER COA STD DETAIL 2251.
2. SEE CHANNEL ACCESS DETAILS SHEET 7 OF 8 FOR RAMP DETAILS.
3. INSTALL DRIVE PAD PER COA STD DWG 2425.
4. INSTALL 4'-0" PCC SIDEWALK PER COA STD DWG 2630.
5. INSTALL SIDEWALK TRANSITION, SEE COA STD DWG 2432.
6. INSTALL RETAINING WALL, SEE SHEET 8 OF 8.
7. INSTALL 5'-0" CHAIN LINK FENCE, PER COA STD DWG 2252.
8. INSTALL 16'-0" WIDE DOUBLE SWING PIPE GATE PER COA STD DETAIL 2251.

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	CONTROL STATION "CP-100"	CONTRACTOR	DATE	
			BENCHMARK IS A REBAR w/ALUMINUM CAP, STAMPED, "WILSON & COMPANY, INC. CP-100".	WORK STAKED BY INSPECTOR'S FIELD VERIFICATION BY	DATE	
			(CENTRAL ZONE) <th>DRAWINGS CORRECTED BY</th> <th>DATE</th>	DRAWINGS CORRECTED BY	DATE	
			X=1,588,856.662 <td colspan="2">MICRO-FILM INFORMATION</td>	MICRO-FILM INFORMATION		
			Y=1,610,895.00 <td>RECORDED BY<th>DATE</th></td>	RECORDED BY <th>DATE</th>	DATE	
			ELEV=5,201.240 (NAVD 88) <td>NO.<td></td></td>	NO. <td></td>		
			GROUND-TO-GRID FACTOR=1.0003425773			



CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
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C2	53.526	50.000	061.3357
C3	18.779	50.000	021.5196
C4	34.811	50.000	039.8909

**WILSON & COMPANY**

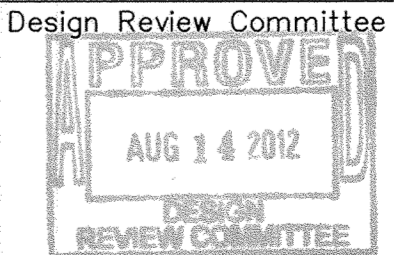
4900 LANG AVENUE NE  
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**CITY OF ALBUQUERQUE**  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DEVELOPMENT DIVISION



TITLE: **FOUR HILLS ARROYO ACCESS RAMP**  
**GRADING PLAN - BERNALILLO PLACE**

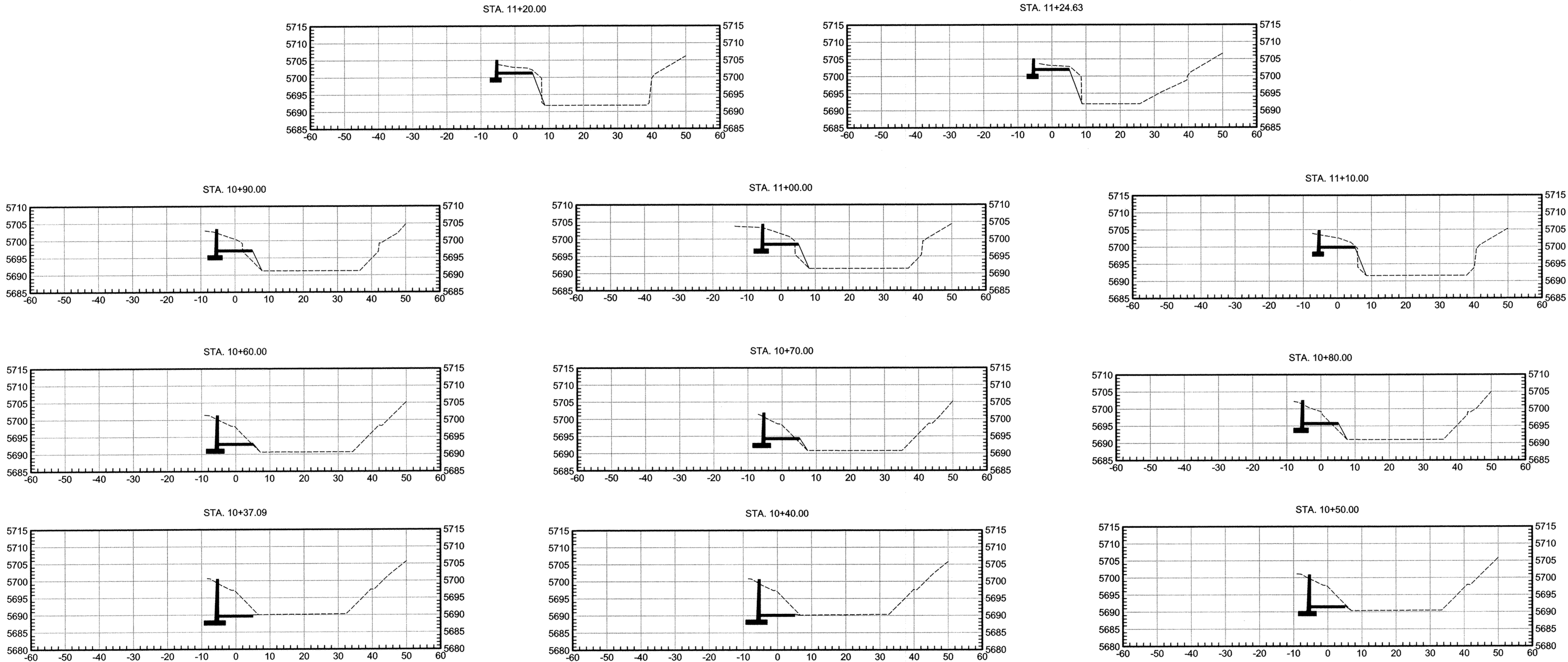


Last Design Update






City Project No. 5233.91

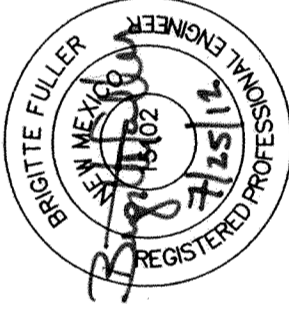
Zone Map No. M-22

Sheet 4 Of 8








SCALE: 1"=20'

 <p>4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 www.wilsonco.com</p>		 <p><b>CITY OF ALBUQUERQUE</b> MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DEVELOPMENT DIVISION</p>			
TITLE: <b>FOUR HILLS ARROYO ACCESS RAMP</b> <b>BERNALILLO RAMP CROSS SECTIONS</b>					
Design Review Committee		City Engineer Approval		Last Design Update	
					
City Project No. 5233.91		Zone Map No. M-22		Sheet 5 of 8	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		CONTROL STATION "CP-100"		CONTRACTOR	
NO. DATE		BY DATE		BENCHMARK IS A REBAR w/ALUMINUM		DATE	
REMARKS				CAP, STAMPED, "WILSON & COMPANY,"		DATE	
REVISIONS				INC. CP-100".		DATE	
DESIGN				(CENTRAL ZONE)		DATE	
DESIGNED BY:				X=1,588,856.662		DATE	
DRAWN BY:				Y=1,610,895.00		DATE	
CHECKED BY: -				ELEV=5,201.240 (NAVD 88)		DATE	
				GROUND-TO-GRID FACTOR=1.0003425773		DATE	





		4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 www.wilsonco.com		NO. 1A		DESIGNED		DRAWN BY		CHECKED	
		<p align="center"> <b>CITY OF ALBUQUERQUE</b>  <b>MUNICIPAL DEVELOPMENT DEPARTMENT</b>  <b>ENGINEERING DEVELOPMENT DIVISION</b> </p>									
TITLE:		<b>FOUR HILLS ARROYO ACCESS RAMP</b>									
<p align="center">LONGITUDINAL PROFILES</p>											
Design Review Committee				City Engineer Approval				Ma./Day/Yr.		Ma./Day/Yr.	
								Last Design Update			
City Project No.				Zone Map No.				Sheet		Of	
5233.91				M-22				7		8	

SEE CHAIN LINK FENCE DETAIL  
ON SHEET 6 OF 8

2" CLR.

2" CLR.

SEE SHEET 7 OF 8 FOR  
T.O.W. ELEVATION

UPPER WALL

GEOCOMPOSITE DRAIN  
WITH FILTER FABRIC

EXISTING  
SLOPE

4"Ø CONTINUOUS PERFORATED  
PVC DRAIN WITH 4"Ø WEEP  
HOLES AT 15'-0"

5'-0"

6" CONCRETE RAMP

1/2" PREMOLDED  
EXPANSION JOINT FILLER

#4 BARS @12" E

SEE SHEET 8 OF 8 FOR  
T.O.F. ELEVATION

TYPICAL  
FOR U

3" CLR.  
TYP.

SEE SHEET 8 OF 8 FOR  
T.O.F. ELEVATION

UPPER WALL

10'-0"

CL OF RAMP

5'-0"

5'-0"

2'-6"

#4 BARS @12"

6" CONCRETE RAMP

LOWER WALL

#4 BARS @12" E.W.

#4 BARS @12"

EXISTING SLOPE

D1

1/2 D1

1/2 D1

VARIES

Ⓐ BARS

Ⓑ BARS

EXISTING REBAR

CONCRETE REMOVAL LINE

EXISTING CHANNEL

T

3" CLR. TYP.

A

B

C

**TYPICAL TRANSVERSE SECTION FOR LOWER WALLS TYPES 2 AND 3**

5'-0"

VARIES

CL OF RAMP

6" CONCRETE RAMP

#4 BARS @ 12" E.W.

UPPER WALL

EXISTING SLOPE

D1

2" CLR.

6 BARS

9 BARS

SEE CHAIN LINK FENCE DETAIL ON SHEET 6 OF 8

UPPER WALL SEE SHEET 7 OF 8 FOR T.O.W. ELEVATION

GEOCOMPOSITE DRAIN WITH FILTER FABRIC

EXISTING SLOPE

4"Ø CONTINUOUS PERFORATED PVC DRAIN WITH 4"Ø WEEP HOLES AT 15'-0"

6" CONCRETE RAMP

1/2" PREMOLDED EXPANSION JOINT FILLER

#4 BARS @12" E.W.




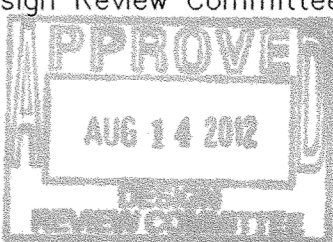
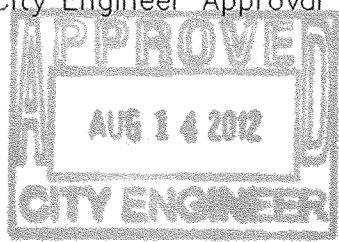
SEE SHEET 7 OF 8 FOR T.O.F. ELEVATION

LOWER WALL REBAR SEE TABLE THIS SHEET

LOWER WALL

TYPICAL TRANSVERSE SECTION FOR UPPER WALL TYPE 1

QUIROGA - PFEIFFER ENGINEERING CORPORATION

	4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 PH (505) 348-4000 FAX (505) 348-4072 <a href="http://www.wilsonco.com">www.wilsonco.com</a>		NO. DA	DESIGNED & DRAWN BY:	CHECKED BY:										
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <b>CITY OF ALBUQUERQUE</b>  <b>MUNICIPAL DEVELOPMENT DEPARTMENT</b>  <b>ENGINEERING DEVELOPMENT DIVISION</b> </div>  </div>															
<b>TITLE: FOUR HILLS ARROYO ACCESS RAMP</b>															
<b>WALLS SECTIONS AND DETAILS</b>															
Design Review Committee 		City Engineer Approval 		Last Design Update <table border="1" style="width: 100%;"> <thead> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Mo./Day/Yr.	Mo./Day/Yr.								
Mo./Day/Yr.	Mo./Day/Yr.														
City Project No. <b>5233.91</b>		Zone Map No. <b>M-22</b>		Sheet <b>8</b> Of <b>8</b>											