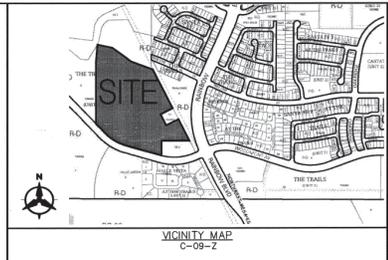


CONSTRUCTION PLANS FOR VALLE PRADO UNIT 2 ALBUQUERQUE, NEW MEXICO



- NOTICE TO CONTRACTORS:**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION AS REVISED THROUGH UPDATE #6, INCLUDING AMENDMENT 1.
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXAMINE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (264-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
 7. ALL STREET CLOSING ALLOWED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
 8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DESTROY PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DESTROYED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE PREFERRED LOCATIONS OF THE PARCELS 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.
 9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY ARCHIVA FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
 10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://www.cbwater.org/Water_Shut_Off_Land_Turn_on_Procedures.aspx.

- 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.
 - SIGNMAJLS AND WHEELBAR RAMPWYS WITHIN THE CURB RETURN SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - F CURB IS DESIGNED FOR A DRIVEWAY, THE DRIVEWAY SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND OUTER.
 - ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
 - THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND OUTER OR SIGNMAJL DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	PRELIMINARY PLAT
3	OVERALL GRADING PLAN
4	OVERALL PAVING PLAN
5-8	PAVING PLAN AND PROFILE SHEETS
9, 9R	OVERALL UTILITY PLAN
10-14	UTILITY PLAN AND PROFILE SHEETS
15	MISCELLANEOUS PAVING DETAILS
16	MISCELLANEOUS UTILITY DETAILS
17-19	Miscellaneous Utility S.D. Details

SHEET NO.	DESCRIPTION
5	SANDMARK ROAD
6	RAINSPOT STREET
7	SOUTH SKY STREET
8	TWO ROCK ROAD

SHEET NO.	DESCRIPTION
10	SANDMARK ROAD
11	RAINSPOT STREET
12	SOUTH SKY STREET
13	TWO ROCK ROAD
14	FUTURE LONGWALK STREET & FUTURE TREE LINE AVENUE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Jeff M. Boyd of the firm Western Technologies, a Registered Professional Engineer in the State of New Mexico, do hereby certify on the basis of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on the inspection by me or personnel under my direction and survey information provided by Russ P. Huggs of the firm Boush-Tek, Inc. (NMBE# 9750).

Jeff M. Boyd P.E.
NMBE# 412412
Date: 8-12-15



SURVEYORS CERTIFICATION

I, Russ P. Huggs, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown herein is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Huggs
NMBP No. 9750
08/17 2015

- CONSTRUCTION NOTES:**
1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
 2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 3. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELLOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
 4. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNDESIRABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAVING THEREIN SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
7. 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.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
10. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR PER PLAN.

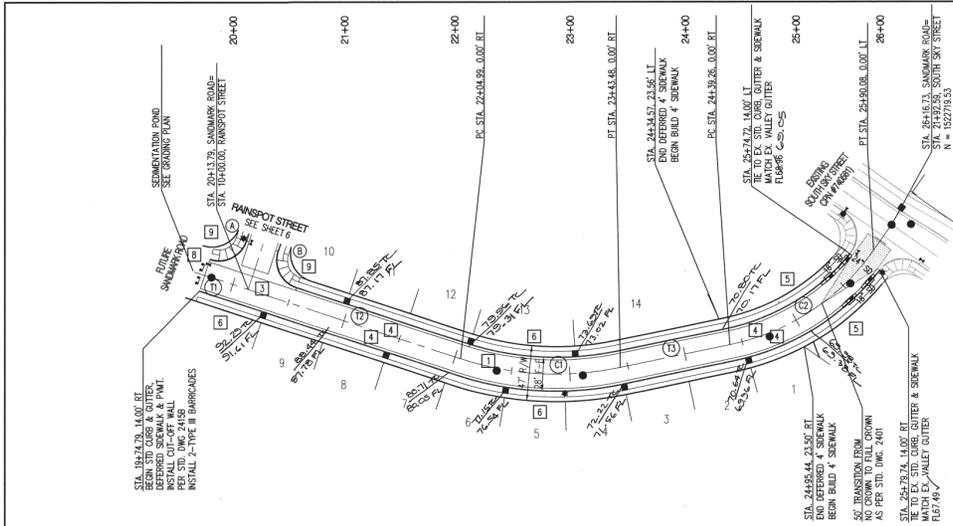
11. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, DMO CONSTRUCTION COORDINATION DIVISION PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADE AT THE END AND BEGINNING OF EACH DAY.
14. ALL SMOGKIT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAWED WITH TACK.
15. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, SIGNAGE, PAVEMENT MARKINGS, CURB & OUTER, DRIVE PAVES, WHEELBAR RAMPWYS, AND SIGNMAJL DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.

16. AN SD 15 PERMIT IS REQUIRED TO PLACE ANY MATERIAL ON OR AROUND A STORM DRAIN INLET IN THE CITY RIGHT-OF-WAY THAT WOULD INTERFERE WITH THE INLET RECEIVING STORM WATER PER THE ENGINEER'S DESIGN. CITY PERSONNEL MAY REMOVE THIS MATERIAL AT ANY TIME WITHOUT NOTICE. THE PREFERRED BMP IS TO REMOVE SEDIMENT/POLLUTANTS ON THE PROPERTY WHERE CONSTRUCTION ACTIVITY IS OCCURRING.
17. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.550 SUBPART P.
18. CONTRACTOR MAY ENCOUNTER AN EXISTING BASALT SURFACE WHEN INSTALLING UNDER GROUND UTILITIES.

DRB #1004404

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE
1	1	6/17/15 Russ P. Huggs	8/5/15		
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****
		DRG Chairman	Michael	1-24-15	APPROVED FOR CONSTRUCTION
		Transportation	Russ P. Huggs	12/10/14	
		Water/Wastewater	Patricia Galvan	12/10/14	
		Hydrology	Robert H	12/10/14	
City Project No.		740582		Sheet	1 of 1819

Bohannon & Huston
www.bhinc.com 800.877.5332



Ⓐ FLOWLINE DATA FOR CURB RETURN

PC	93.66	D	= 90°0'00"
PT	23.89	R	= 25.00'
TA	1.3	T	= 25.00'
PA	1.3	C	= 35.36'
PI	34.43		
PT	34.43		
PI	34.43		

Ⓑ FLOWLINE DATA FOR CURB RETURN

PC	90.27	D	= 90°0'00"
PT	1.9676	R	= 25.00'
TA	2.1	T	= 25.00'
PA	1.3	C	= 35.36'
PI	92.24		
PT	92.24		
PI	92.24		

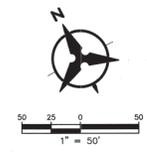
Ⓒ Tangent Table

ID	BEARING	LENGTH
T1	S44°10'54"E	48.50'
T2	S44°10'54"E	191.21'
T3	S74°04'05"E	85.78'

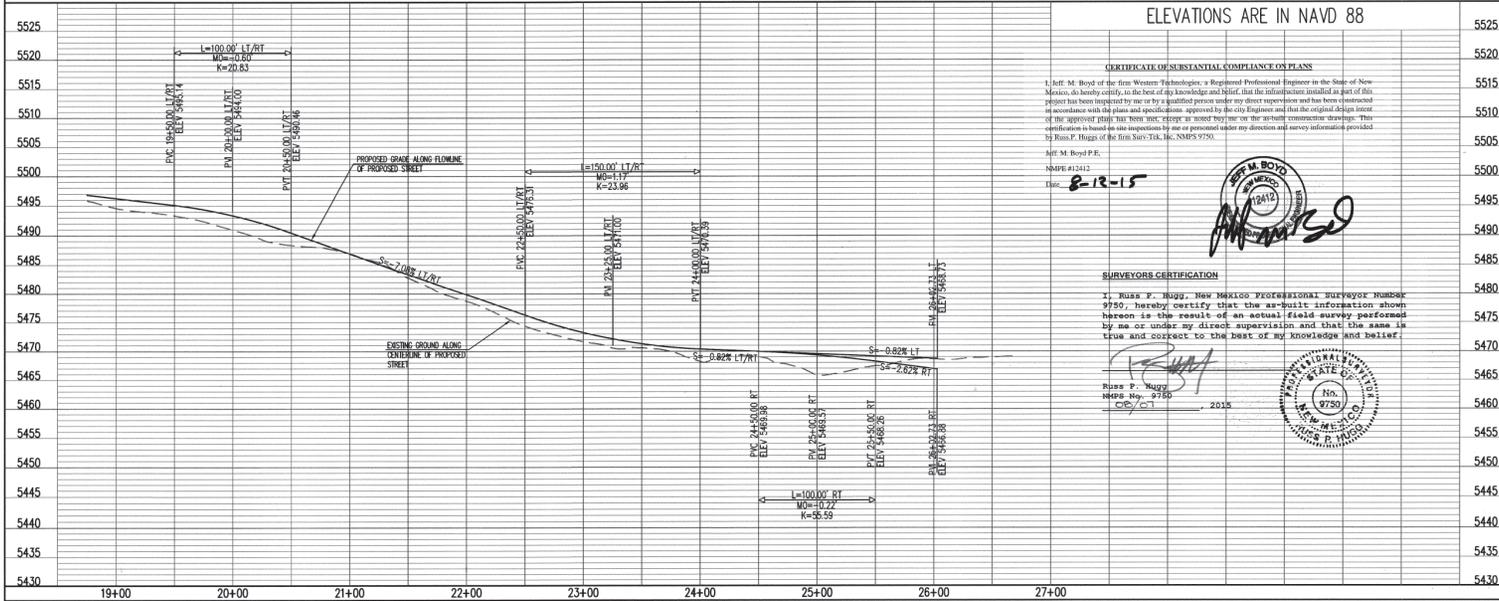
Ⓓ Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C1	138.49'	265.50'	29°3'10"	70.96'
C2	150.83'	200.00'	43°12'29"	79.20'

- NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGON.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 - REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
 - CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 - TRANSITION TO STANDARD CURB AT ALL WHEELCHAIR RAMPS PER COA STD. DWG. 2418.



SANDMARK ROAD



ELEVATIONS ARE IN NAVD 88

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Jeff M. Boyd of the firm Western Technologies, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the information contained on these plans has been inspected by me or by a qualified person under my direct supervision and has been prepared in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been strictly adhered to and that the actual construction complies with the information provided by Russ P. Huggs of the firm Serv-Tek, Inc. NMAPS 9750.

Jeff M. Boyd P.E.
NMAPS 9752
Date: **8-12-15**

SURVEYORS CERTIFICATION

I, Russ P. Huggs, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Huggs
NMAPS No. 9750
Date: 8/12/15

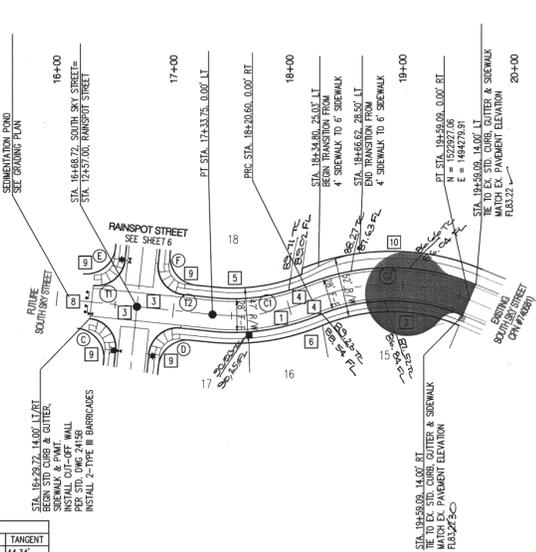
Bohannon & Huston
www.bhinc.com 800.677.5332

- KEYED NOTES** * NOT USED THIS SHEET.
- BUILD 3" RESIDENTIAL PAVEMENT PER DETAIL A, SEE SHEET 15
 - REMOVE AND DISPOSE OF EXISTING 3" RESIDENTIAL PAVEMENT TURNAROUND
 - INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420.
 - BUILD STANDARD CURB & GUTTER PER COA STD DWG 2415A
 - BUILD 4" SIDEWALK PER COA STD. DWG. 2430.
 - 4"/6" SIDEWALK, DEFERRED.
 - EDGE OF ASPHALT
 - INSTALL TYPE III BARRICADES.
 - INSTALL CURB RAMP PER DETAIL C, SHEET 15.
 - BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
 - BUILD 3" GRAVEL BASE COURSE TEMPORARY TURNAROUND

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
Contractor	Scale	AS Monument	Geographic Position	Date	By	No.	Remarks
Bohannon & Huston	1" = 50'	"2-99"	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	09/2014	J.S.		
Drawn by	Checked by	X	GROUND-TO-GRID FACTOR	Date	By	No.	Remarks
DH	J.S.	1.000000000	Δm = -00'16.95" Δ3'	09/2014	J.S.		
Microfilm	Microfilm	Microfilm	Microfilm	Date	By	No.	Remarks
				09/2014	J.S.		
Recorded by	Recorded by	Recorded by	Recorded by	Date	By	No.	Remarks
				09/2014	J.S.		

CL Tangent Table		
ID	BEARING	LENGTH
T1	S44°10'54"E	48.50'
T2	S44°10'54"E	65.03'

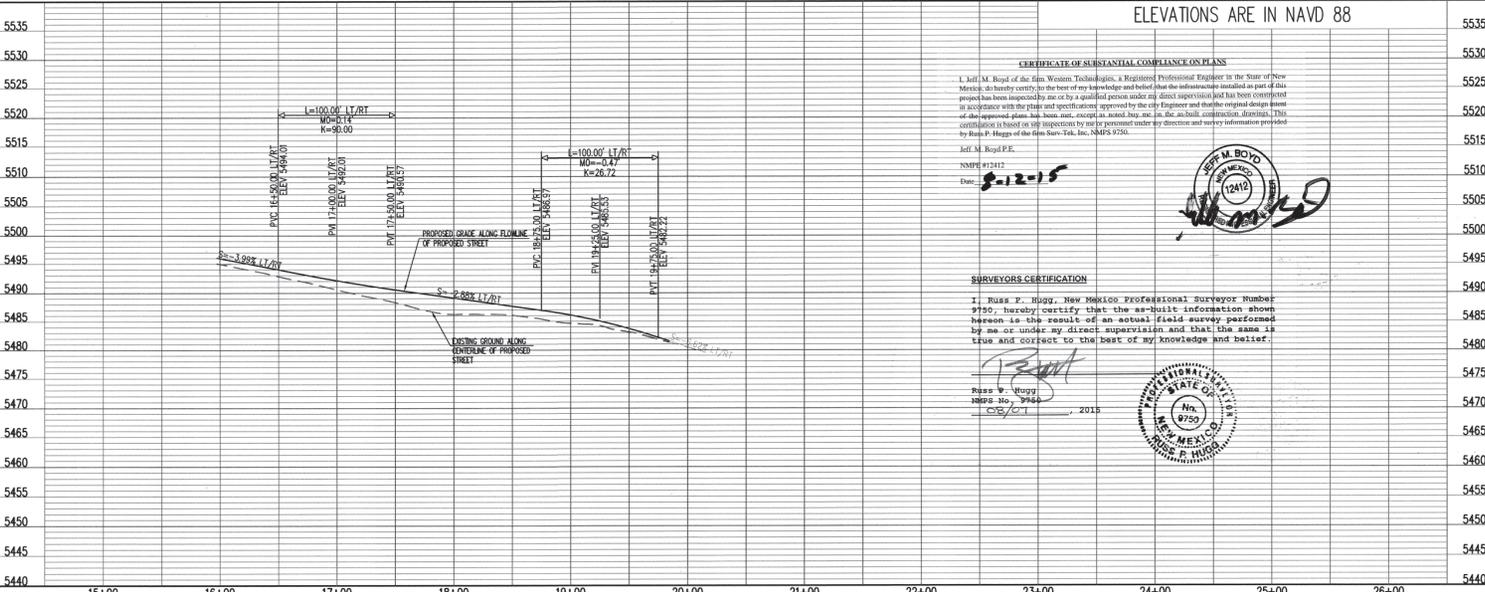
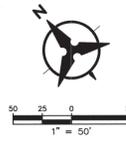
CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	86.85'	175.00'	28°28'12"	44.34'
C2	138.49'	175.00'	45°20'32"	73.10'



SOUTH SKY STREET

FLOWLINE DATA FOR CURB RETURN			
Sta. 7.5	PC 94.89'	D = 90'00"00"	
Sta. 3.0	PT 94.83'	R = 25.00'	
Sta. 2.0	PI 94.84'	T = 25.00'	
Sta. 1.0	PT 94.78'	C = 35.36'	
Sta. 0.0	PI 94.82'		

FLOWLINE DATA FOR CURB RETURN			
Sta. 2.6	PC 94.13'	D = 90'00"00"	
Sta. 1.0	PT 94.48'	R = 25.00'	
Sta. 0.0	PI 94.48'	T = 25.00'	
Sta. 0.0	PT 94.82'	C = 35.36'	
Sta. 0.0	PI 93.82'		



CERTIFICATE OF SUBSTANTIAL COMPLIANCE PLANS

I, Jeff M. Boyd, of the firm Weston, Tobolski, a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and that the same conform in accordance with the plans and specifications approved by the City Engineer and that the original design sheet of the approved plans has been used, except as noted hereon, in the actual construction thereof. This certification is based on the inspection by me or person under my direction and was by information provided by Russ P. Hugg of the firm Surv-Tek, Inc. NMS# 9750.

Jeff M. Boyd P.E.
 NMS# 873412
 Date: 8-12-15

WESTON, TOBOLSKI & ASSOCIATES
 12410
 ALBUQUERQUE, NM

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
 NMS# No. 9750
 8/25/15

WESTON, TOBOLSKI & ASSOCIATES
 12410
 ALBUQUERQUE, NM

- NOTES**
1. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGINS.
 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 11. REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
 12. CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 13. TRANSITION TO STANDARD CURB AT ALL WHEELCHAIR RAMPS PER COA STD. DWG. 2418.

- KEYED NOTES** * NOT USED THIS SHEET.
- BUILD 3" RESIDENTIAL PAVEMENT PER DETAIL A, SEE SHEET 15
 - REMOVE AND DISPOSE OF EXISTING 3" RESIDENTIAL PAVEMENT TURNAROUND
 - INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420.
 - BUILD STANDARD CURB & GUTTER PER COA STD. DWG. 2415A
 - BUILD 4" SIDEWALK PER COA STD. DWG. 2430.
 - 4"/6" SIDEWALK, DEFERRED.
 - EDGE OF ASPHALT
 - INSTALL TYPE III BARRICADES
 - INSTALL CURB RAMP PER DETAIL C, SHEET 15.
 - BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
 - BUILD 3" GRAVEL BASE COURSE TEMPORARY TURNAROUND

Bohannon & Huston
 www.bhinc.com 800.877.5332

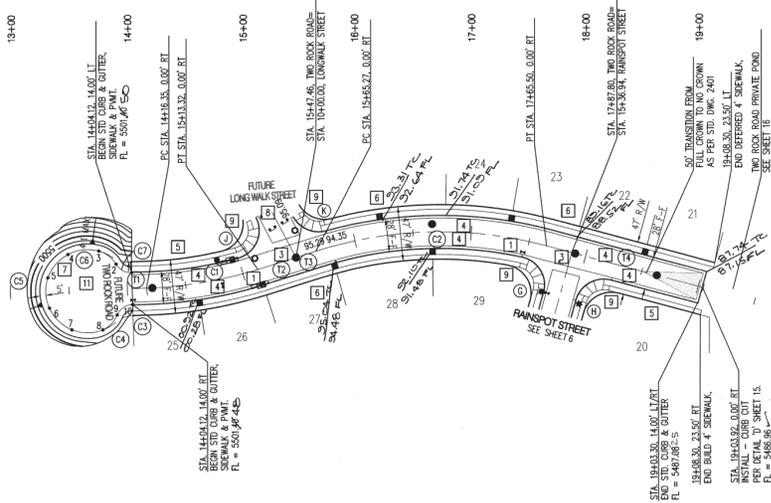
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2
 PAVING PLAN AND PROFILE
 SOUTH SKY STREET

Design Review Committee	City Engineer Approval	W. Bay/lt	W. Bay/lt
APPROVE JAN 28 2015 DESIGN REVIEW COMMITTEE	APPROVE MAY 8 2015 CITY ENGINEER		

City Project No. 740582 Zone Map No. C-09-Z Sheet 7 of 1936

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE
W. Bay/lt	08/20/14	1	08/20/14	1	08/20/14
W. Bay/lt	08/20/14	2	08/20/14	2	08/20/14
W. Bay/lt	08/20/14	3	08/20/14	3	08/20/14
W. Bay/lt	08/20/14	4	08/20/14	4	08/20/14
W. Bay/lt	08/20/14	5	08/20/14	5	08/20/14
W. Bay/lt	08/20/14	6	08/20/14	6	08/20/14
W. Bay/lt	08/20/14	7	08/20/14	7	08/20/14
W. Bay/lt	08/20/14	8	08/20/14	8	08/20/14
W. Bay/lt	08/20/14	9	08/20/14	9	08/20/14
W. Bay/lt	08/20/14	10	08/20/14	10	08/20/14
W. Bay/lt	08/20/14	11	08/20/14	11	08/20/14
W. Bay/lt	08/20/14	12	08/20/14	12	08/20/14
W. Bay/lt	08/20/14	13	08/20/14	13	08/20/14
W. Bay/lt	08/20/14	14	08/20/14	14	08/20/14
W. Bay/lt	08/20/14	15	08/20/14	15	08/20/14
W. Bay/lt	08/20/14	16	08/20/14	16	08/20/14
W. Bay/lt	08/20/14	17	08/20/14	17	08/20/14
W. Bay/lt	08/20/14	18	08/20/14	18	08/20/14
W. Bay/lt	08/20/14	19	08/20/14	19	08/20/14
W. Bay/lt	08/20/14	20	08/20/14	20	08/20/14
W. Bay/lt	08/20/14	21	08/20/14	21	08/20/14
W. Bay/lt	08/20/14	22	08/20/14	22	08/20/14
W. Bay/lt	08/20/14	23	08/20/14	23	08/20/14
W. Bay/lt	08/20/14	24	08/20/14	24	08/20/14
W. Bay/lt	08/20/14	25	08/20/14	25	08/20/14
W. Bay/lt	08/20/14	26	08/20/14	26	08/20/14
W. Bay/lt	08/20/14	27	08/20/14	27	08/20/14
W. Bay/lt	08/20/14	28	08/20/14	28	08/20/14
W. Bay/lt	08/20/14	29	08/20/14	29	08/20/14
W. Bay/lt	08/20/14	30	08/20/14	30	08/20/14
W. Bay/lt	08/20/14	31	08/20/14	31	08/20/14
W. Bay/lt	08/20/14	32	08/20/14	32	08/20/14
W. Bay/lt	08/20/14	33	08/20/14	33	08/20/14
W. Bay/lt	08/20/14	34	08/20/14	34	08/20/14
W. Bay/lt	08/20/14	35	08/20/14	35	08/20/14
W. Bay/lt	08/20/14	36	08/20/14	36	08/20/14
W. Bay/lt	08/20/14	37	08/20/14	37	08/20/14
W. Bay/lt	08/20/14	38	08/20/14	38	08/20/14
W. Bay/lt	08/20/14	39	08/20/14	39	08/20/14
W. Bay/lt	08/20/14	40	08/20/14	40	08/20/14
W. Bay/lt	08/20/14	41	08/20/14	41	08/20/14
W. Bay/lt	08/20/14	42	08/20/14	42	08/20/14
W. Bay/lt	08/20/14	43	08/20/14	43	08/20/14
W. Bay/lt	08/20/14	44	08/20/14	44	08/20/14
W. Bay/lt	08/20/14	45	08/20/14	45	08/20/14
W. Bay/lt	08/20/14	46	08/20/14	46	08/20/14
W. Bay/lt	08/20/14	47	08/20/14	47	08/20/14
W. Bay/lt	08/20/14	48	08/20/14	48	08/20/14
W. Bay/lt	08/20/14	49	08/20/14	49	08/20/14
W. Bay/lt	08/20/14	50	08/20/14	50	08/20/14



CL Tangent Table

ID	BEARING	LENGTH
T1	S44°10'54"E	12.24'
T2	S60°05'17"E	34.15'
T3	S60°05'17"E	17.80'
T4	S27°16'34"E	137.80'

CL Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C1	96.96'	350.00'	15°52'23"	48.79'
C2	200.23'	350.00'	32°46'43"	102.94'

FLOWLINE DATA FOR CURB RETURN

PC	PT	PI	FL	OFF
89.46	89.24	89.42	89.58	88.84
D = 93°04'30"	R = 25.00'	T = 26.38'	L = 40.61'	C = 36.29'

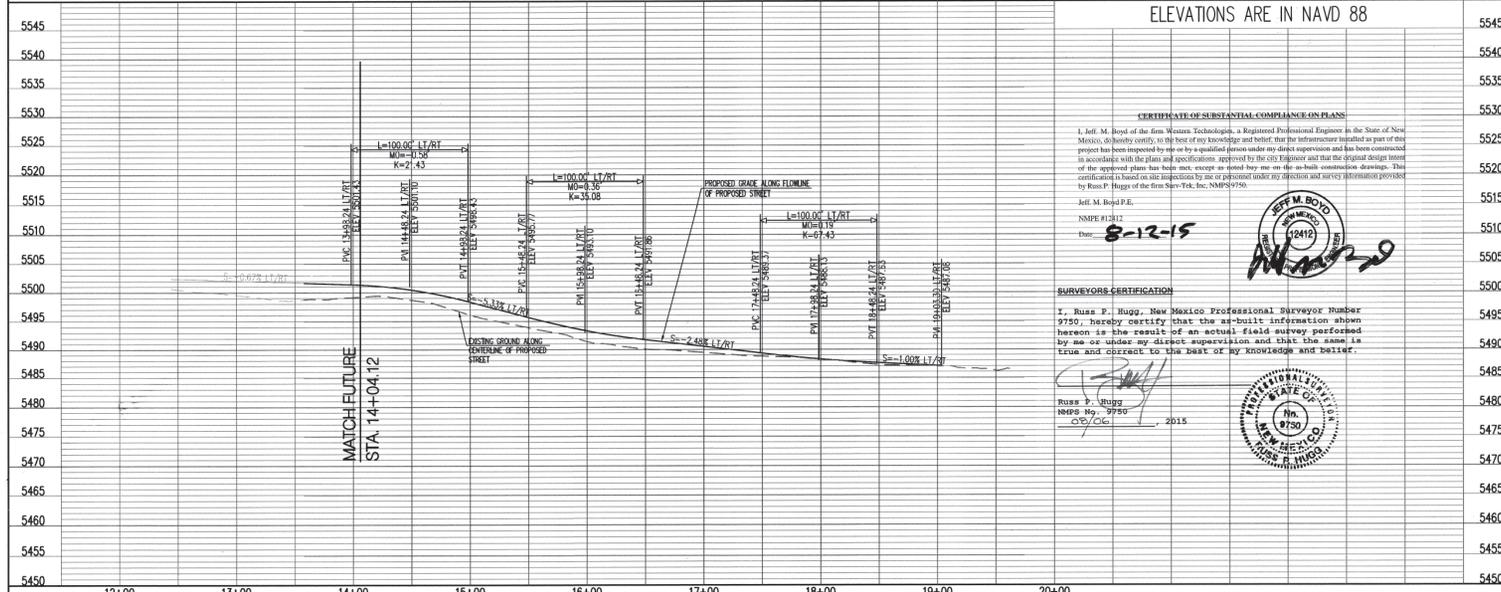
PC STA. 174+66.70, 14.00' RT
PT STA. 174+73.80, 39.45' RT
PI STA. 174+73.18, 14.09' RT
RAD STA. 174+66.70, 39.00' RT

Turnaround Point Table

STATION	OFFSET	ELEVATION
1	14+04.12	14.00' LT 5501.40
2	13+90.98	21.76' LT 5501.51
3	13+76.55	33.56' LT 5501.64
4	13+50.34	31.36' LT 5501.81
5	13+32.34	11.64' LT 5501.91
6	13+32.92	14.90' RT 5501.91
7	13+51.53	33.82' RT 5501.81
8	13+78.06	34.84' RT 5501.63
9	13+82.59	22.52' RT 5501.51
10	14+04.12	14.00' RT 5501.40

TWO ROCK ROAD

ELEVATIONS ARE IN NAVD 88



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Jeff M. Boyd of the firm Weiners Technology, a Registered Professional Engineer in the State of New Mexico, do hereby certify, on the best of my knowledge and belief, that the information required as part of this project has been inspected by me or a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the city engineer and that the original design notes of the approved plans has been met, except as noted here on the as-built construction drawings. This certification is based on site inspections by me or personnel under my direction and my examination of documents prepared by Russ P. Hugg of the firm Geo-Tek, Inc. NMPE9750.

Jeff M. Boyd P.E.
NMPE#12012
Date: 8-12-15

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMS No. 9750
08/06/2015



- NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADI SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS TO INSTALL A 4" x 4" 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGN.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 - REMOVAL OF THE EXISTING CURB & GUTTER SHALL BE PER COA STD. DWG. 2415.
 - CURB RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 - TRANSITION TO STANDARD CURB AT ALL WHEELCHAIR RAMPS PER COA STD. DWG. 2418.

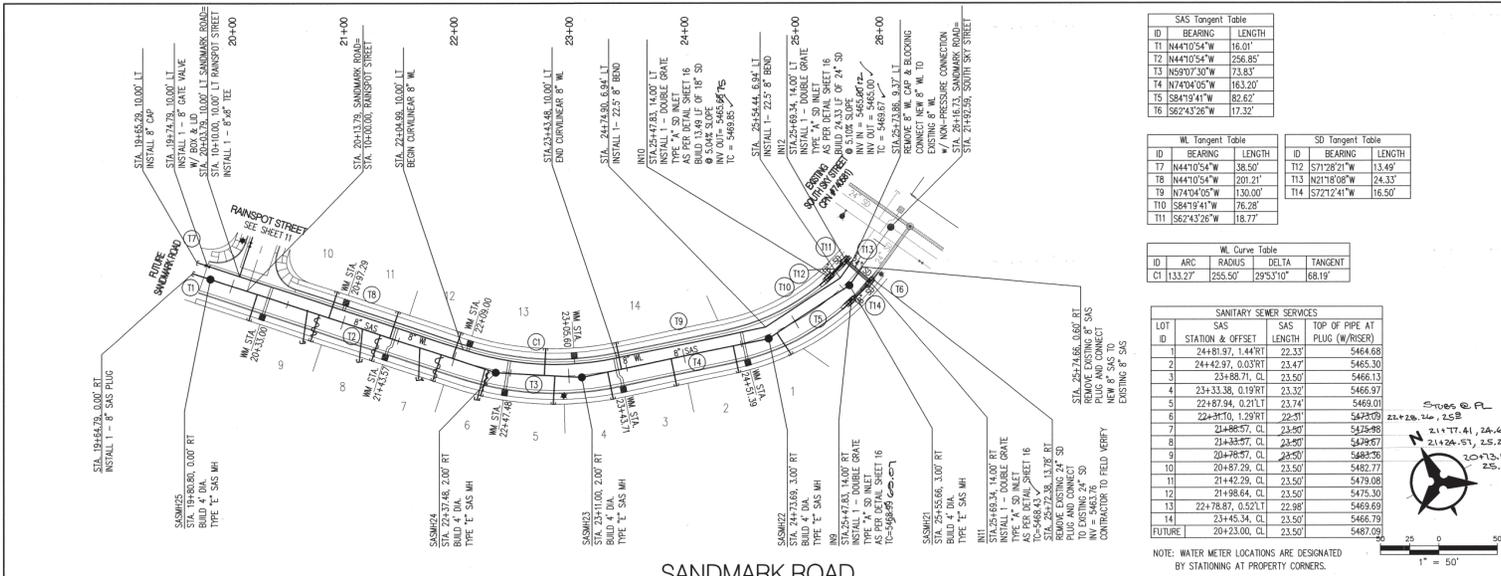
- KEYED NOTES** * NOT USED THIS SHEET.
- BUILD 3" RESIDENTIAL PAVEMENT PER DETAIL A, SEE SHEET 15
 - REMOVE AND DISPOSE OF EXISTING 3" RESIDENTIAL PAVEMENT TURNAROUND
 - INSTALL 6" CONCRETE VALLEY GUTTER PER COA STD. DWG. 2420
 - BUILD STANDARD CURB & GUTTER PER COA STD. DWG. 2415A
 - BUILD 4" SIDEWALK PER COA STD. DWG. 2430
 - 4/6" SIDEWALK, DEFERRED.
 - EDGE OF ASPHALT
 - INSTALL TYPE III BARRICADES
 - INSTALL CURB RAMP PER DETAIL C, SHEET 15.
 - BUILD 6" SIDEWALK PER COA STD. DWG. 2430.
 - BUILD 3" GRAVEL BASE COURSE TEMPORARY TURNAROUND

Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2
PAVING PLAN AND PROFILE
TWO ROCK ROAD

Design Review Committee APPROVED JAN 28 2015
City Engineer Approval APPROVED JAN 28 2015
Last Design Update
City Project No. 740582
Zone Map No. C-09-Z
Sheet 8 of 1976



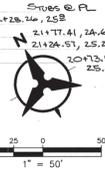
ID	BEARING	LENGTH
T1	N44°10'54\"	16.01'
T2	N44°10'54\"	756.85'
T3	N59°07'30\"	73.83'
T4	N74°04'05\"	163.20'
T5	S84°19'41\"	82.62'
T6	S62°43'26\"	117.32'

ID	BEARING	LENGTH
T7	N44°10'54\"	38.50'
T8	N44°10'54\"	201.21'
T9	N74°04'05\"	130.00'
T10	S84°19'41\"	76.28'
T11	S62°43'26\"	181.77'

ID	BEARING	LENGTH
T12	S71°28'21\"	13.49'
T13	N13°18'08\"	24.33'
T14	S72°12'41\"	16.50'

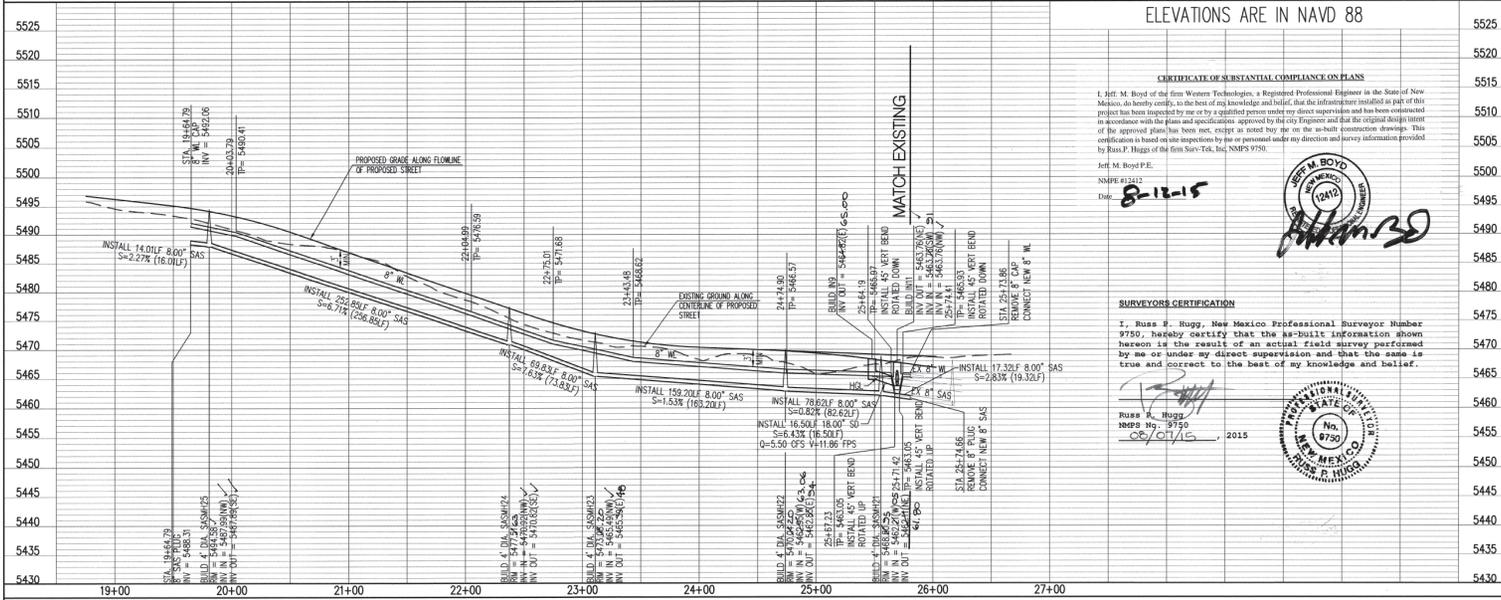
ID	ARC	RADIUS	DELTA	TANGENT
C1	133.27'	255.50'	29°53'10\"	68.19'

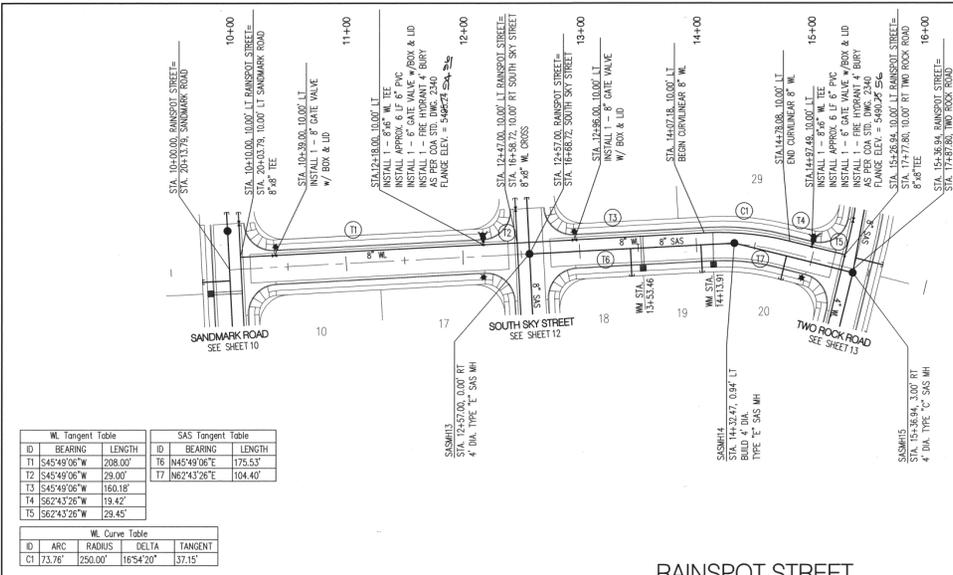
LOT	SAS	SAS	TOP OF PIPE AT
ID	STATION & OFFSET	LENGTH	PLUG (W/RISER)
1	24+81.97, 1.44 RT	22.33'	5464.68
2	24+42.97, 0.03 RT	23.47'	5455.30
3	23+88.71, CI	23.50'	5466.13
4	23+33.38, 0.19 RT	23.32'	5466.97
5	22+87.94, 0.21 LT	23.24'	5468.01
6	22+41.10, 1.29 RT	22.81'	5473.09
7	21+88.97, CI	23.50'	5473.98
8	21+33.97, CI	23.50'	5479.67
9	20+78.97, CI	23.50'	5483.26
10	20+27.29, CI	23.50'	5482.77
11	21+42.29, CI	23.50'	5479.08
12	21+98.64, CI	23.50'	5475.30
13	22+78.97, 0.52 LT	23.50'	5469.69
14	23+45.34, CI	23.50'	5467.79
15	24+23.00, CI	23.50'	5487.09



NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SANDMARK ROAD



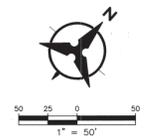


W. Tangent Table			SAS Tangent Table		
ID	BEARING	LENGTH	ID	BEARING	LENGTH
T1	S45°49'06\" W	208.00'	T6	N45°49'06\" E	175.53'
T2	S45°49'06\" W	29.00'	T7	N62°43'26\" E	104.40'
T3	S45°49'06\" W	160.18'			
T4	S62°43'26\" W	19.42'			
T5	S62°43'26\" W	29.45'			

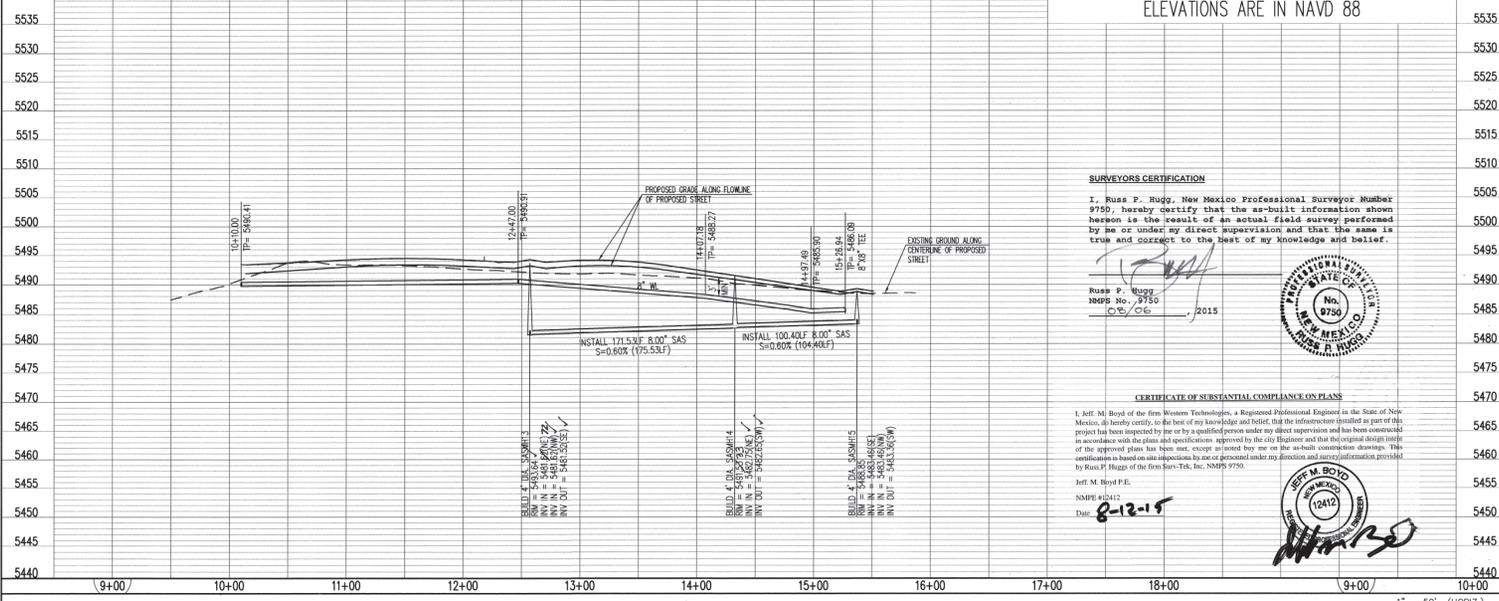
W. Curve Table			
ID	ARC	RADIUS	TANGENT
C1	73.76'	250.00'	16°54'20\"

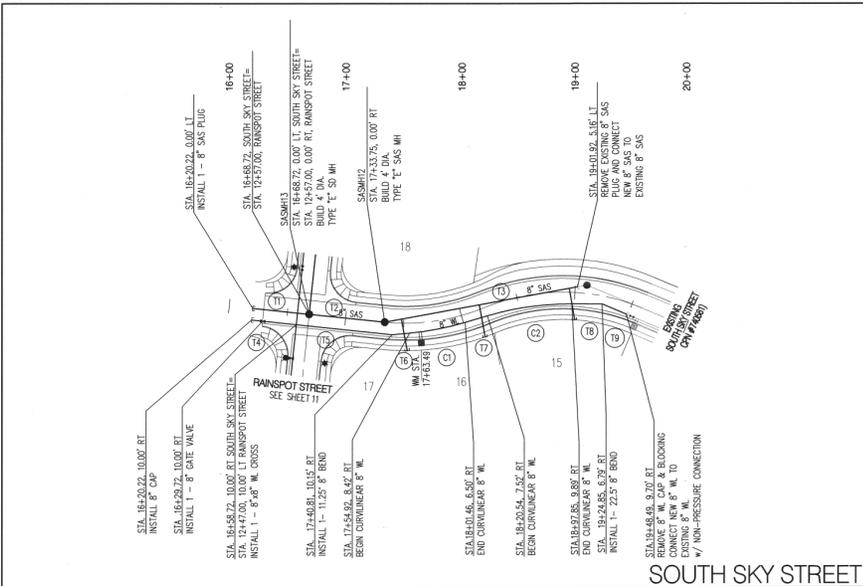
SANITARY SEWER SERVICES				
LOT #	SAS	SAS	TOP OF PIPE AT STATION & OFFSET	PLUG (W/RISER)
18	134+43.46, CL	23.50'	5488.19 (6)	
19	144+03.82, CL	23.50'	5486.47 (3)	
20	144+78.44, 3.00' RT	20.50'	5484.85	

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT EXISTING CORNERS.



RAINSPOT STREET



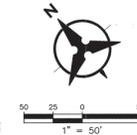


SAS Tangent Table		W. Tangent Table	
ID	BEARING LENGTH	ID	BEARING LENGTH
11	N44°10'54"W 48.50'	14	N44°10'54"W 38.50'
12	N44°10'54"W 70.89'	15	N44°10'54"W 82.50'
13	S60°33'20"E 81.39'	16	N55°25'54"W 14.95'
		17	N66°32'45"W 19.86'
		18	N49°46'34"W 25.87'
		19	N27°16'34"W 22.69'

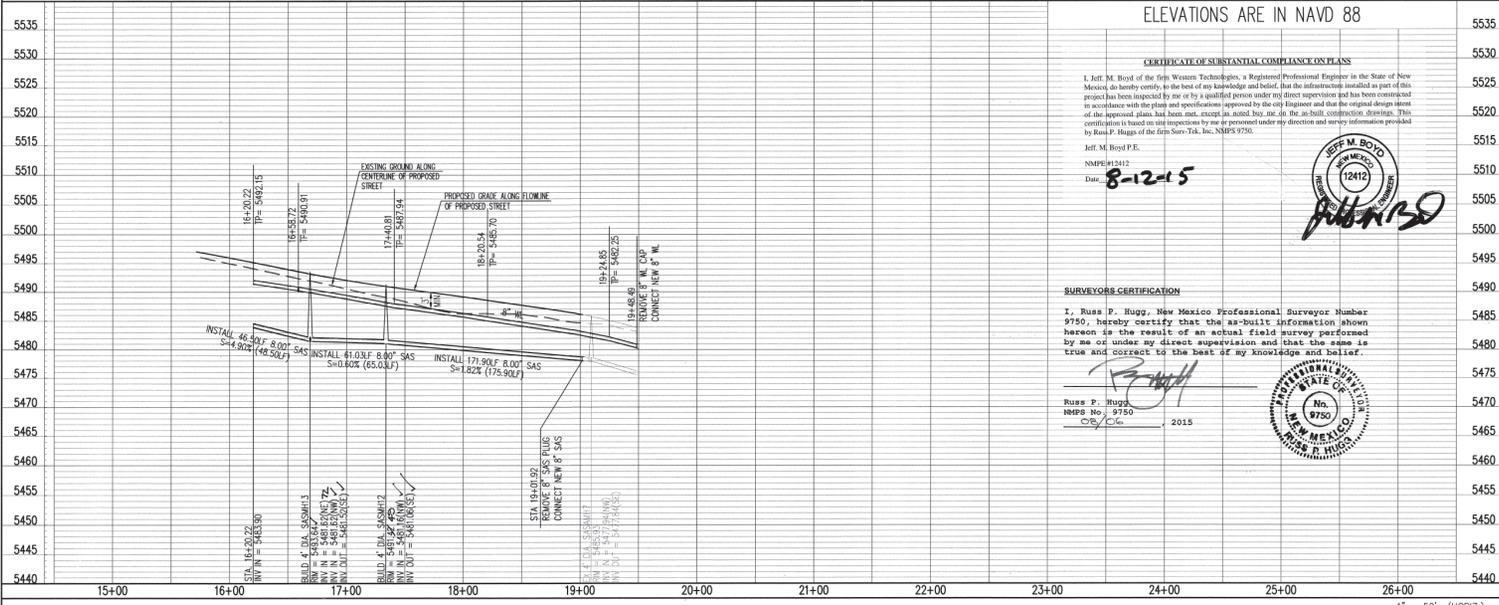
W. Curve Table			
ID	ARC	DELTA	TANGENT
C1	48.50'	110°55'11"	24.32'
C2	73.17'	250.00'	16'46"11"

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
15	18+95.06, 3.57L1	27.72'	5481.12 (1')
16	18+17.63, 3.90L1	27.85'	5483.66 (3')
17	17+47.97, 3.52L1	27.52'	5485.39 (3')

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.



SOUTH SKY STREET



CERTIFICATE OF SUBSTANTIAL COMPLIANCE EXEMPTION

I, Jeff M. Boyd of the firm Wynn Technologies, a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications represented by the City Engineer and that the original design intent of the proposed plans has been met, except as noted below, on the as-built construction drawings. This certification is based on my direct inspection by me or personnel under my direction and survey information provided by Jeff P. Hugg of the firm Serv-Tek, Inc. NMPEIS 9750.

Jeff M. Boyd P.E.
 NMPEIS#12412
 Date: **8-12-15**

JEFF M. BOYD
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF NEW MEXICO
 12412

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
 NRPSP No. 9750
 Date: 8/12/15

RUSSELL P. HUGG
 REGISTERED PROFESSIONAL SURVEYOR
 STATE OF NEW MEXICO
 No. 9750

GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY BY ANY GEOTECHNICAL CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INVERT TO INVERT. (P&T ITEMS ARE SHOWN IN PARENTHESES)
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND C.M.S. AT THE END OF EACH SANITARY SERVICE SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDITIONS AND EXISTING LINES.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGAIN.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MANHOLE & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PERMITS OR SURFACE GRADES.
- SAS STORM DRAIN AND WATERLINE STATIONING FOLLOWS CL. OF ROAD, UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRADE AT FACE OF CURB.
- FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRADE.
- ROP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. ROP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
- ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSSES AND APPURTENANCES SHALL USE RESTRICTED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
- AT UTILITY CROSSINGS WHERE LESS THAN 18" OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FALL IS TO BE USED 1) FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2) FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH 10 TO 2X SEWER OR WATER LINE DIAMETER.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- STORM DRAIN GRATES PER MOODIFIED CDA STD DWG 2220 PER DETAIL SHEET 16.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT

* "AS-BUILT" LOCATION OF MANHOLES & VALVES

ENGINEER'S SEAL

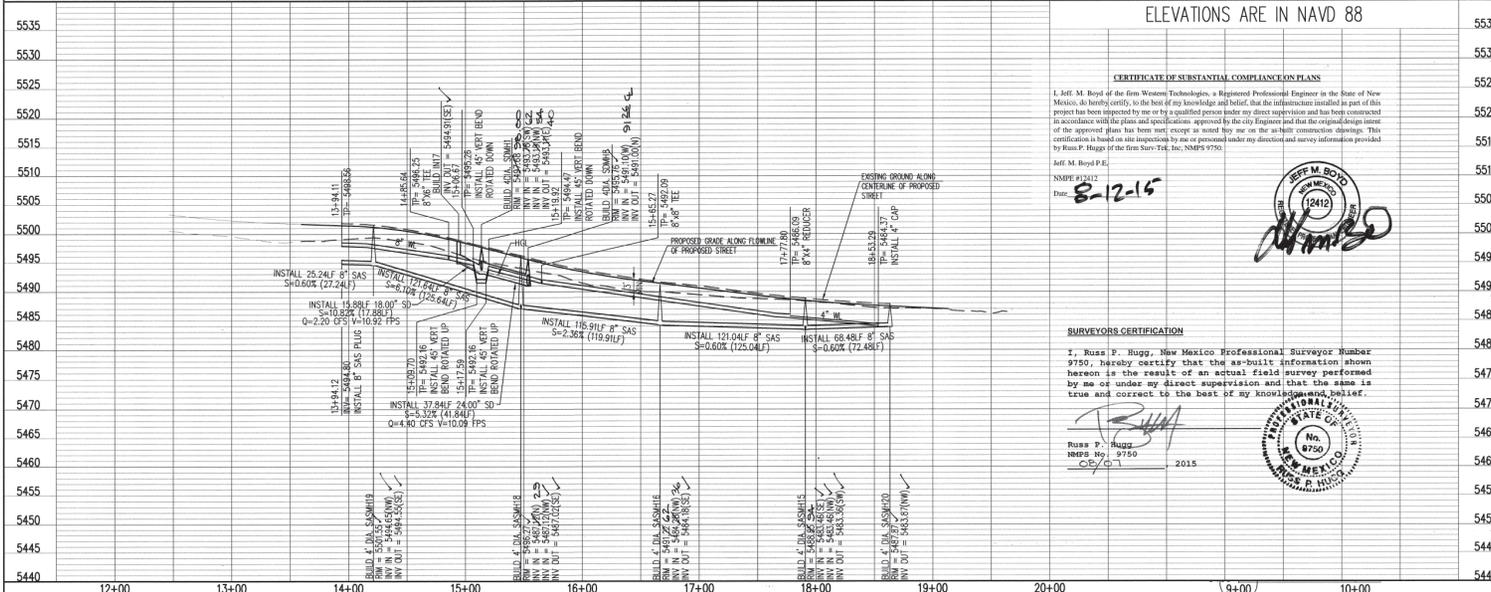
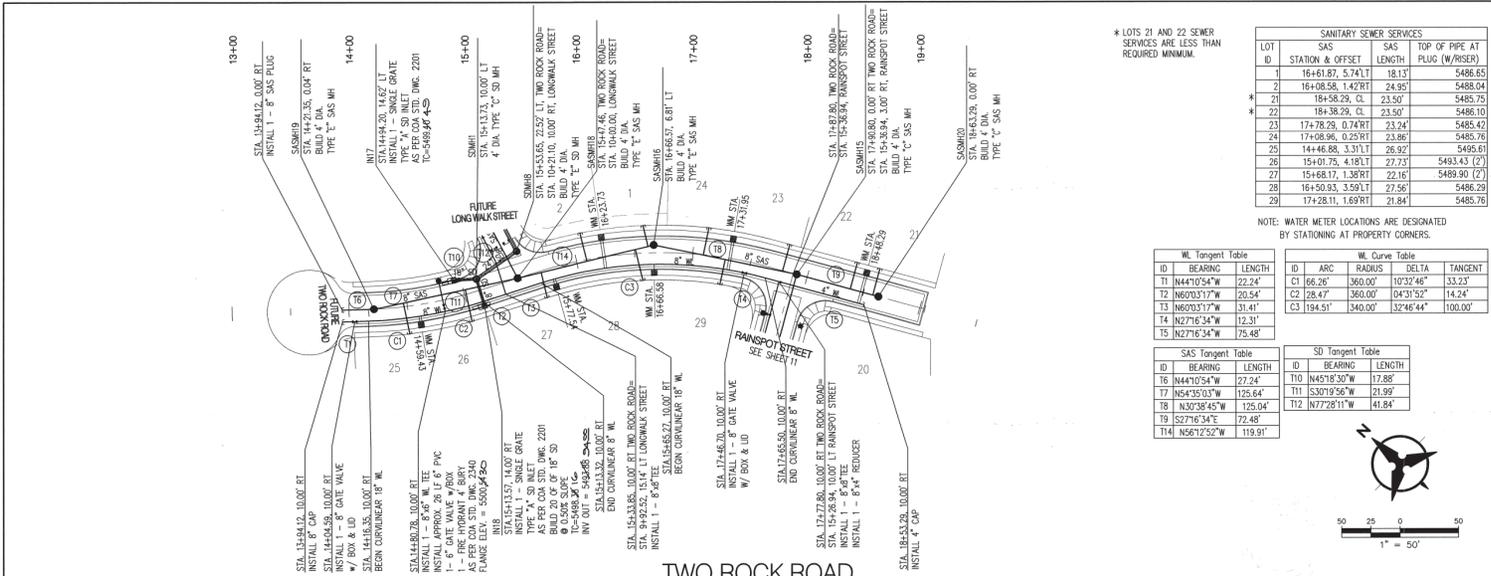
Bohannan & Huston
 www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2 UTILITY PLAN AND PROFILE SOUTH SKY STREET

Design Review Committee APPROVE
 City Engineer Approval APPROVE
 Date: 8/12/15

City Project No. 740582 Zone Map No. C-09-Z Sheet 12 of 12



GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SD SLOPES ARE CALCULATED TO TRILE PIPE DIMENSIONS FROM INVERT TO INVERT. (PART ITEMS ARE SHOWN IN PARENTHESES)
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDUITS AND EXISTING LINES.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONCERNED ON SITE.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MANHOLE & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADERS.
- SAS, STORM DRAIN AND WATERLINE FOLLOWING SLOTTING OF CL OF ROAD, UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRATE AT FACE OF CURB.
- FLOWLINE ELEVATIONS FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRATE.
- ROP SHALL BE INSTALLED SO THAT THE JOINT CAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT CAP DIMENSIONS FOR EACH PIPE SIZE AND THIS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
- ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
- AT UTILITY CROSSINGS WHERE LESS THAN 18" OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT, LEAK FILL IS TO BE USED TO A DEPTH OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2) FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERLINE ON THE MANHOLE WITH EQUAL TO 25 PERCENT WATER LINE DIAMETER.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART F.
- STORM DRAIN GRATES FOR MODIFIED C&A STD DWG 2220 PER DETAIL SHEET 16.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT
- "AS-BUILT" LOCATION OF MANHOLES & VALVES

ENGINEER'S SEAL

JEFF M. BOYD
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF NEW MEXICO
 No. 12412

REVISIONS

No.	Date	REVISIONS
1		DESIGN

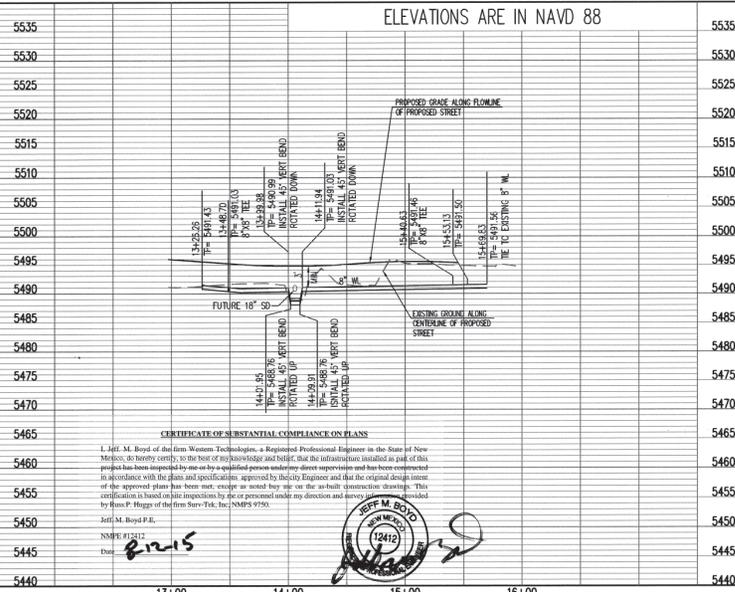
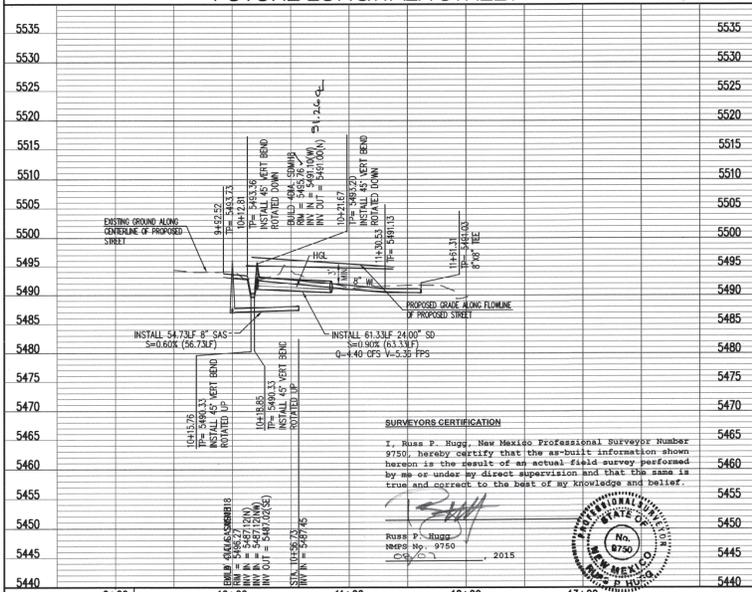
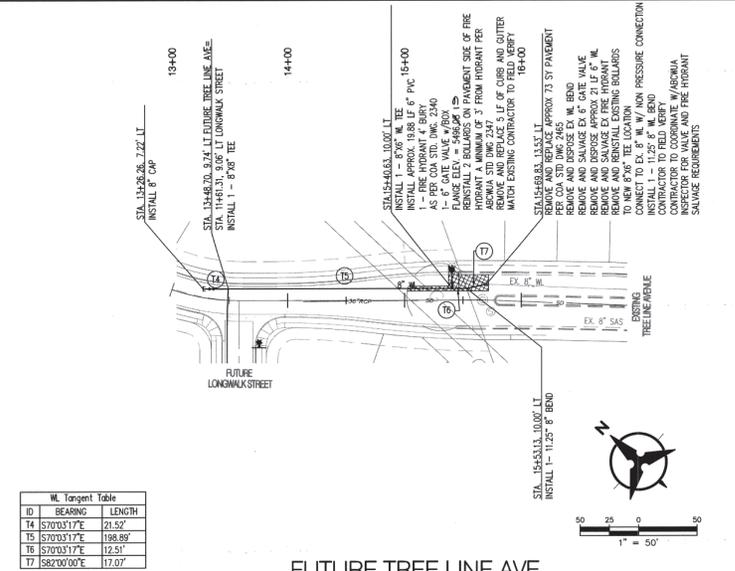
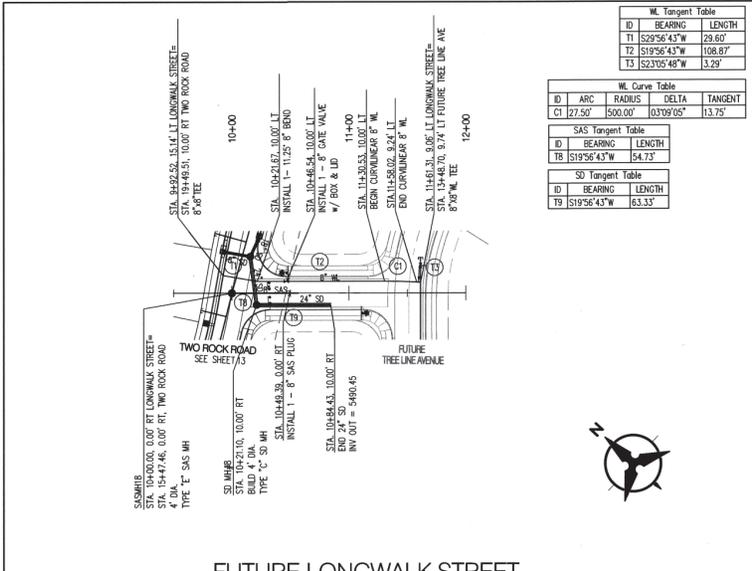
BOHANNAN HUSTON
 www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2
 UTILITY PLAN AND PROFILE
 TWO ROCK ROAD

Design Review Committee: APPROVED
 City Engineer Approval: CITY ENGINEER

City Project No. 740582 Zone Map No. C-09-2 Sheet 13 of 1978



P:\20150013\CDP\Plan\DWG\20150013_L12_dwg05.dwg
December 05, 2014 - 8:00am

ID	BEARING	LENGTH
T1	S29°56'43"W	29.60'
T2	S19°56'43"W	108.87'
T3	S23°05'48"W	3.29'

ID	ARC	RADIUS	DELTA	TANGENT
C1	27.50'	500.00'	03°09'05"	13.75'

ID	BEARING	LENGTH
T8	S19°56'43"W	54.73'

ID	BEARING	LENGTH
T9	S19°56'43"W	63.33'

ID	BEARING	LENGTH
T4	S70°03'17"E	21.52'
T5	S70°03'17"E	198.89'
T6	S70°03'17"E	12.51'
T7	S82°00'00"E	17.07'

GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED.
- ALL CURVE DATA AND DIMENSIONS ARE CALCULATED FROM CENTERLINE OF PIPE OR MANHOLE. ALL SAS & SLOPES ARE CALCULATED TO TRUE PIPE DIMENSIONS FROM INLET TO INVERT (FOR FLANGES ARE SHOWN IN PARENTHESES).
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWING OF STANDARD CURVE UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND E.M.S. AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGED EXISTING UTILITY CONDITIONS AND EXISTING LINES.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS WITH THE PROPOSED TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, LANDSCAPING, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MANHOLE & CATCH BASIN INLET ELEVATIONS, FIRE HYDRANT & FLANGE ELEVATIONS ARE APPROPRIATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL FLOWLINE OR SURFACE GRADES.
- SAS, STORM DRAIN AND WATERLINE STATIONING FOLLOWS C.L. OF ROAD, UNLESS OTHERWISE NOTED.
- STATIONING OF DROP INLET IS TO MIDDLE OF DOWN HILL GRADE AT FACE OF CURB.
- ELEVATION FOR DROP INLETS ARE PROJECTED FROM FLOWLINE OF STANDARD CURB TO MIDDLE OF DOWNHILL GRADE.
- ROP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. ROP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
- ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL USE RESTRICTED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS.
- AT UTILITY CROSSINGS WHERE LESS THAN 18" OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN SHALL BE USED 1" FOR A DISTANCE OF 3 FEET ON EACH SIDE OF THE SO FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2" FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH EQUAL TO 7X SEWER OR WATER LINE DIAMETER.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- STORM DRAIN GRATES PER MODIFIED COA STD DMC 2220 PER DETAIL SHEET 16.

LEGEND

- DOUBLE WATER METER
- SINGLE WATER METER
- WATER LINE SHUTOFF VALVE
- SAS LATERAL
- SAS MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- EXISTING WATER VALVE
- PROPOSED STREET LIGHT
- PROPOSED FIRE VALVE
- *S-BUILT LOCATION OF MANHOLES & VALVES

VALVE PIT DATA

	NORTHING	EASTING
6V1704W	1523410.03	1424143.73
6V151440	1523550.35	14243345.04
6V1044	1523430.60	1424119.22
6V1418	1523464.25	1424123.78

NOTE: TO BE COMPLETED BY CONTRACTOR PRIOR TO ACCEPTANCE

Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2 UTILITY PLAN AND PROFILE FUTURE LONGWALK STREET / FUTURE TREE LINE AVE

Design Review Committee City Engineer Approved Mo/02/14 Mo/29/14

APPROVE DATE 08/28/2014 DESIGN REVIEW COMMITTEE

APPROVE DATE 08/28/2014 CITY ENGINEER

City Project No. 740582 Zone Map No. C-09-Z Sheet 14 OF 1976

Drawn By: DH DATE: 08/29/2014
Checked By: SJS DATE: 08/29/2014

CITY OF ALBUQUERQUE



April 8, 2015

Peggy B Graham, PE, CFM
Regional Engineer/Product Manager
3930 New Road
Longmont, CO 80504

RE: Updated Approval of Advanced Drainage System, Inc.'s HP (High Performance) Storm Polypropylene Pipe (PP) for Storm Drainage Applications within the Right-of-way per the Items Below

Dear Ms. Graham:

The City of Albuquerque has reviewed the submittal for your HP Storm Polypropylene Pipe (PP) and agrees to the following:

1. PP will be allowed in the right-of-way and under pavements for collectors and less. Applications with greater traffic counts will need approval by the City Engineer. The evaluation period for this product shall be one year from the first installation. At the end of one year the City will review all prior installations before adoption within the City's Standards. HP Storm pipe will be allowed to bid or value engineer on all city projects for the street classifications outlined above.
2. Reference specifications shall include "ASTM D3212, Underground Installation for Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications", "ASTM F477 Elastomeric Seals (Gaskets) for Joining Plastic Pipe", "ASTM F2764 - 6 to 30 in. Polypropylene (PP) Corrugated Single Wall Pipe and Double Wall Pipe", "ASTM F2764 - 30 to 60 in. Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sewer Applications".
3. Pipe diameters 12" up to and including 48" diameter will be allowed.
4. A Class 1, 2 or 3 backfill materials per ASTM D3212 may be used for the bedding, haunch, and initial backfill zones per the attached trench detail. The material shall be installed per the standard installation specification and trench detail drawing.
5. Pipe shall meet the minimum joint performance requirements per ASTM D3212, a 10-psi, gage, laboratory pressure test for 10 minutes with no visible leaks at the joint. Waferight joints shall be built-and-signt and gaskets shall be made of polypropylene meeting the requirements of ASTM F477. PP pipe will be allowed to pressure applications that comply with this standard for the duration of the six-month event.
6. The material and installation specifications and trench detail shall be reviewed and approved by the City of Albuquerque before publication.

Specifications for construction and materials are required to be included on the approved construction plans per this letter.

Sincerely,

Sabah Biazar, P.E.
City Engineer

W. Scott, P.E.
DMMD - Construction Supervisor

CC: Wilfred Gallegos, PE, COA
Susanne Labrie, COA
Rita Harmon, PE, COA
Peter Nichols, PE, ADS

Albuquerque - Making History 1766-2006

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 D3212 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
 - b. ASTM D3212 - Joints for Drain and Sewer Plastic Pipe Using Flexible Elastomeric Seals
 - c. ASTM F477 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
 - d. ASTM F2764 - 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. (762 to 1524 mm) Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications
 - f. ASTM D1567 - Standard Test Methods for Laboratory Compression Characteristics of Soil Using Modified Effort (50,000 lbf/2,200 kgf/mm²)

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, gaskets, best management practices products and storage systems.

1.5 Performance Requirements

- A. 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. Waferight Gravity-Flow, Non-Pressure, Drainage Piping shall pass a 10 psi (104kPa), laboratory pressure test for 10 minutes with no visible leaks at the joint or pipe-wall. Piping that pass same tests as above but with an axial joint misalignment of not less than 1 degree.

Page 2 of 11

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 waferight as defined in the joint performance requirements of this specification.

- A. Twelve- through 60-inch (1500 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 waferight 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

- A. Waferight joints shall be bell-and-spigot meeting the waferight requirements of ASTM F2736 and ASTM F2764. Gaskets shall be made of polypropylene 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 or bell during assembly.

- B. 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 waferight joint performance requirements of ASTM D3212. Bell & spigot connections shall utilize a spigot, 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-out pipe.

2.1.4 Installation

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

Page 4 of 11

STORM DRAINAGE POLYPROPYLENE PIPE
TECHNICAL SPECIFICATIONS

Table of Contents

PART 1 - GENERAL	
1.1 Related Requirements	2
1.2 Summary	2
1.3 Reference Standards	2
1.4 Definitions	2
1.5 Performance Requirements	2
1.6 Submittals	2
1.7 Delivery, Storage, and Handling	4
PART 2 - PRODUCTS	
2.1 Corrugated Polypropylene Pipe	4
2.1.1 General	4
2.1.2 Joint Performance and Pipe Stiffness	4
2.1.3 Fittings	5
2.1.4 Installation	5
PART 3 - EXECUTION	
3.1 Earthwork	5
3.2 Identification	5
3.3 Piping Inspection	5
3.3.1 General	5
3.3.2 Corrugated Polypropylene Pipe and Fittings	6
3.4 Piping, Fitting, and Drainage Structure Installation	6
3.4.1 General	6
3.4.2 Trench Excavation	7
3.4.2.1 Excavation	7
3.4.2.2 Dewatering	7
3.4.2.3 Removal of Block	7
3.4.2.4 Retrieval of Unstable Material	7
3.4.3 Bedding	8
3.4.4 Piping Pipe	8
3.4.5 Joining	8
3.4.6 Backfilling	8
3.4.6.1 General	7
3.4.6.2 Backfilling Pipe in Trenches	8
3.4.6.3 Backfilling Pipe in Fill Sections	8
3.4.6.4 Movement of Construction Machinery	8
3.4.6.5 Compaction	8
3.4.6.5.1 General Requirements	8
3.4.6.5.2 Minimum Density	9
3.4.6.6 Determination of Density	9
3.5 Repair Methods	9-11

Page 1 of 11

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

1.6 Submittals

- A. 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.

Page 3 of 11

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 edge of underground structures.

3.3 Piping Inspection

- 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 seating of the joints, shall be rejected and replaced.

3.4 Piping, Fitting, and Drainage Structure Installation

- 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 systems 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 unround 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 cap 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 grade and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according manufacturer's written instructions. Follow product manufacturer's instructions for the use of lubricants, cements, and other special installation requirements.

Page 5 of 11

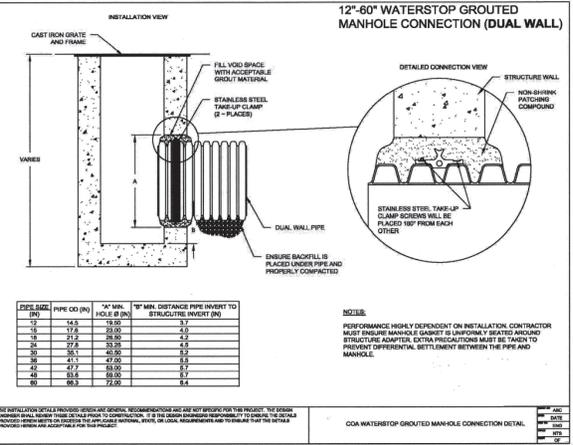
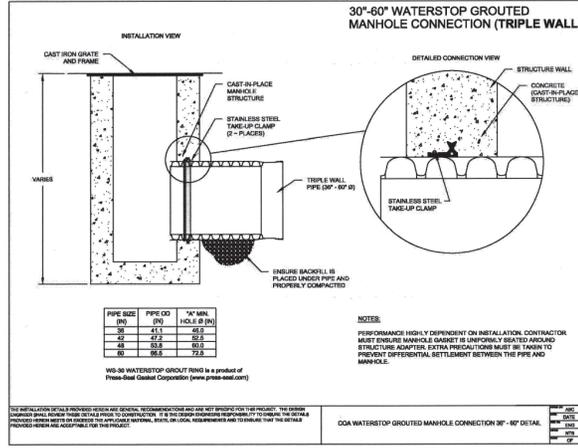
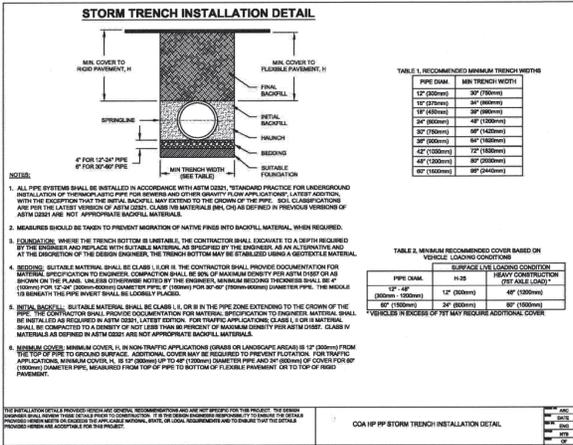
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	DATE		No. _____ Date: _____ Checked By: _____
PROJ. NO.	DATE	NO.	DATE	NO.	DATE		
PROJ. NAME	DATE	NO.	DATE	NO.	DATE	REMARKS	By
PROJ. LOCATION	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DESCRIPTION	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DRAWING NO.	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DRAWING TITLE	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DRAWING SCALE	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DRAWING SHEET NO.	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11
PROJ. DRAWING SHEET TOTAL	DATE	NO.	DATE	NO.	DATE	DESIGN	DATE: 05/20/11

Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2
MISCELLANEOUS UTILITY DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.
City Project No. 740582	Zone Map No. C-09-Z	Sheet 17 Of 19



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	DATE
BY: [Signature]	BH-08-09258-01	DATE					
DATE	N 36° 44' 52.37408"	DATE					
BY: [Signature]	N 107° 58' 47.08551"	DATE					
DATE	N = 92,239,903.5	DATE					
BY: [Signature]	E = 181,055,680	DATE					
DATE	LOCATION: SOUTH AND WEST OF THE	DATE					
BY: [Signature]	INTERSECTION OF LOUISIANA ST. AND IRI 550	DATE					
DATE		DATE					

Bohannon & Huston
www.bhinc.com 800.877.5332

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

VALLE PRADO UNIT 2
MISCELLANEOUS UTILITY DETAILS

Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
APPROVE JUN 18 2015 DESIGN REVIEW COMMITTEE	APPROVE JUN 18 2015 CITY ENGINEER		

City Project No. 740582 Zone Map No. C-09-Z Sheet 19 of 19