

CITY OF ALBUQUERQUE

Hydrology Section Planning Department
David S. Campbell, Director



Timothy M. Keller, Mayor

June 5, 2018

Larry Read, PE
Larry Read & Assoc.
2430 Midtown Pl. NE, Suite C
Albuquerque, NM 87107

**Re: D5550 Midway Park Pl. NE.
Flood Remediation and SO-19 Permit
Engineer's Stamp dated: 5/30/2018 (H09D017G)**

Dear Ms. Padilla-Moyer,

Based on the application received 5/30/2018, the above referenced plan is approved. An Excavation permit is required prior to any construction in the public right of way.

If you have any questions, you can contact me at 924-3986.

Sincerely,

James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

C: file



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 3/2018)

Project Title: 5550 Midway Park Place NE **Building Permit #:** _____ **Hydrology File #:** F17061C
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Lot 16 Plat of Jefferson Commons
City Address: 5550 Midway Park Place NE

Applicant: Greg Barnes **Contact:** Greg Barnes
Address: 9619 Village Green Drive NE
Phone#: 453-8477 **Fax#:** _____ **E-mail:** gbarnes02@yahoo.com

Other Contact: Larry Read & Assoc **Contact:** Larry Read
Address: 8100 Wyoming Blvd NE Suite M4 Box 107 Albuquerque, NM 87113
Phone#: 239-7692 **Fax#:** _____ **E-mail:** lread@readengineering.com

Check all that Apply:

IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☒ SO-19 APPROVAL
☒ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

TYPE OF SUBMITTAL:

☐ ENGINEER/ARCHITECT CERTIFICATION
☐ PAD CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ FLOODPLAIN DEVELOPMENT PERMIT APPLICATION
☐ ELEVATION CERTIFICATE
☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)

☒ OTHER (SPECIFY) SO-19
☐ PRE-DESIGN MEETING?

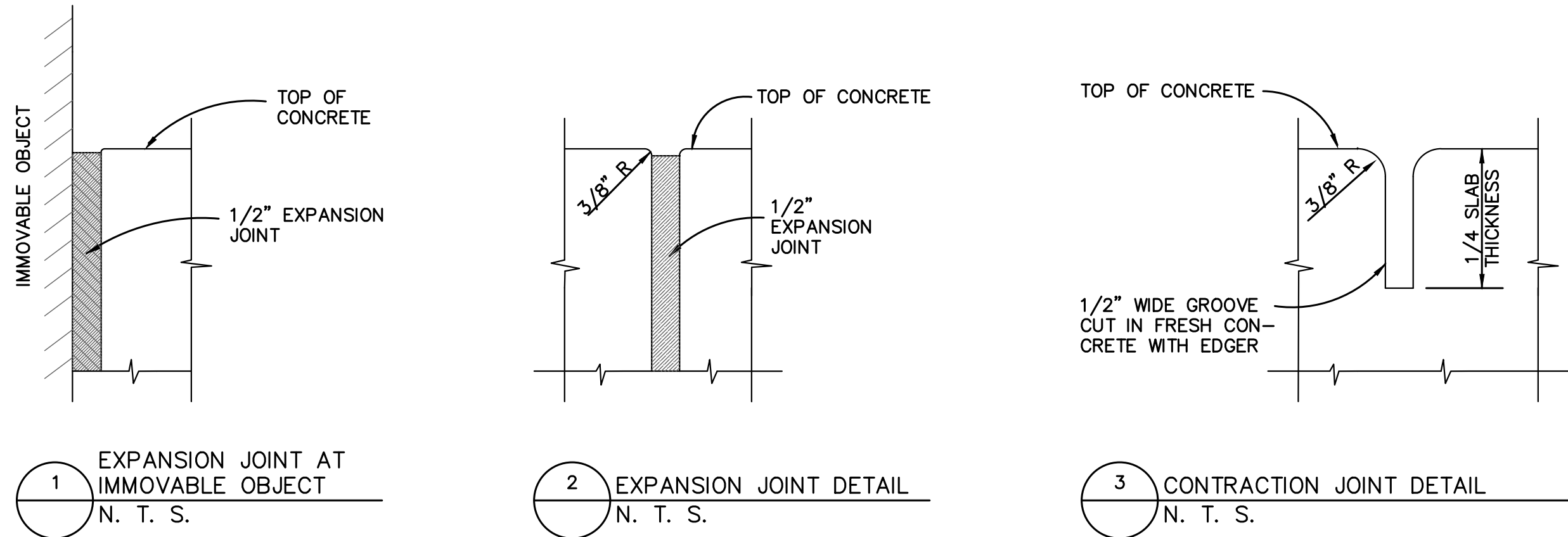


DATE SUBMITTED: MAY 30, 2018 **By:** Larry D. Read, PE (Agent)

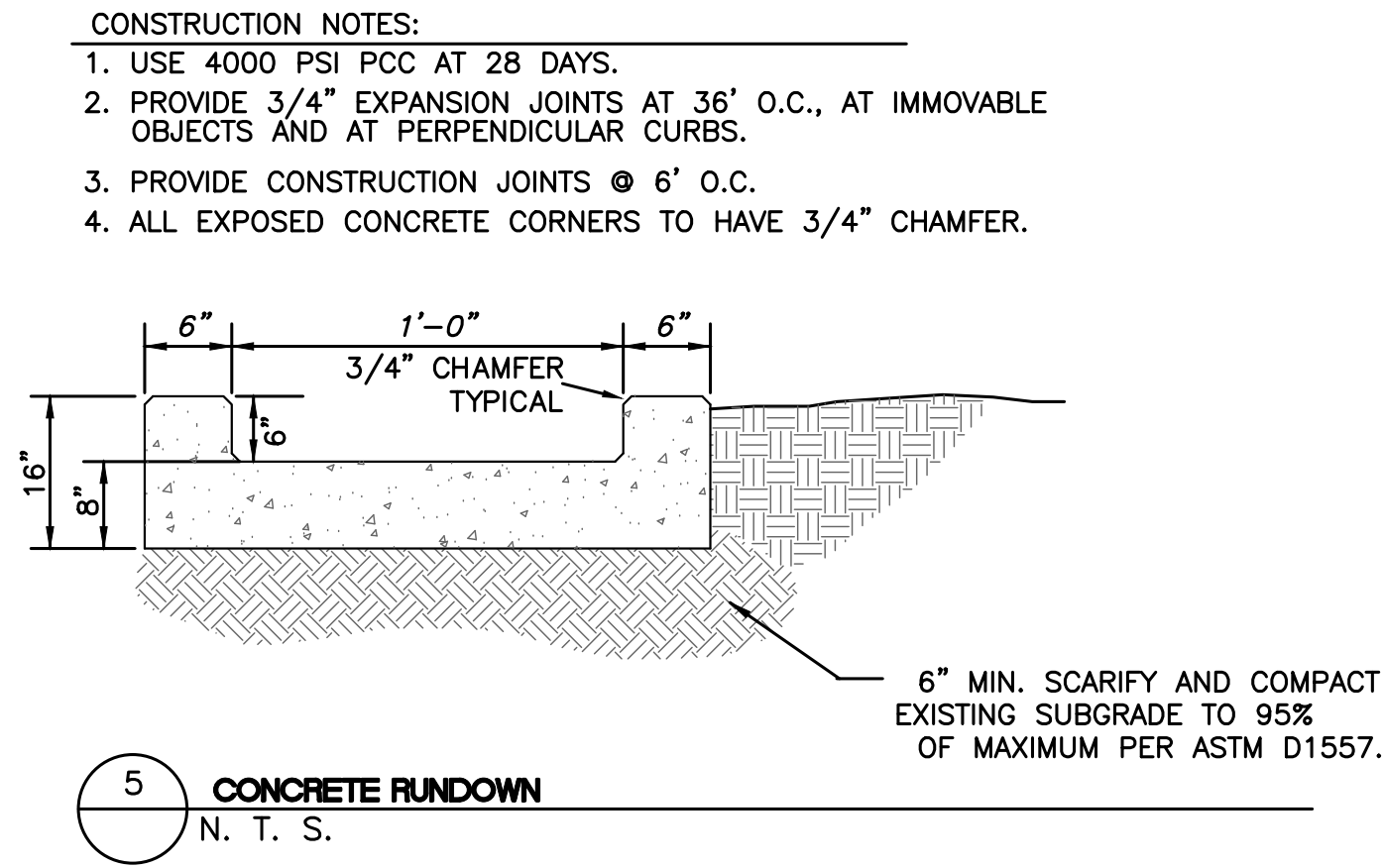
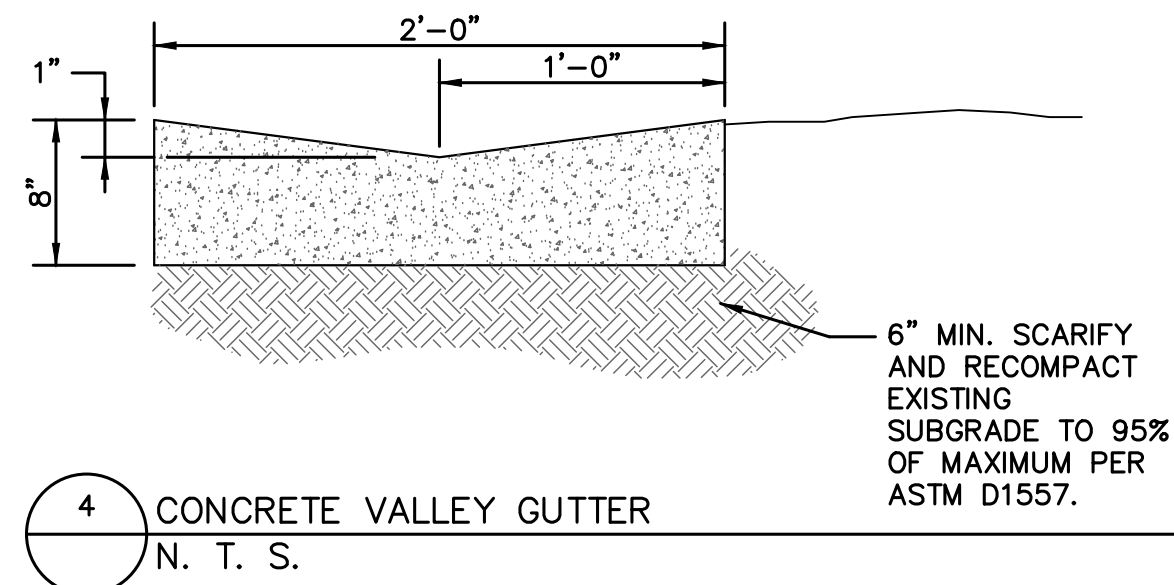
COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

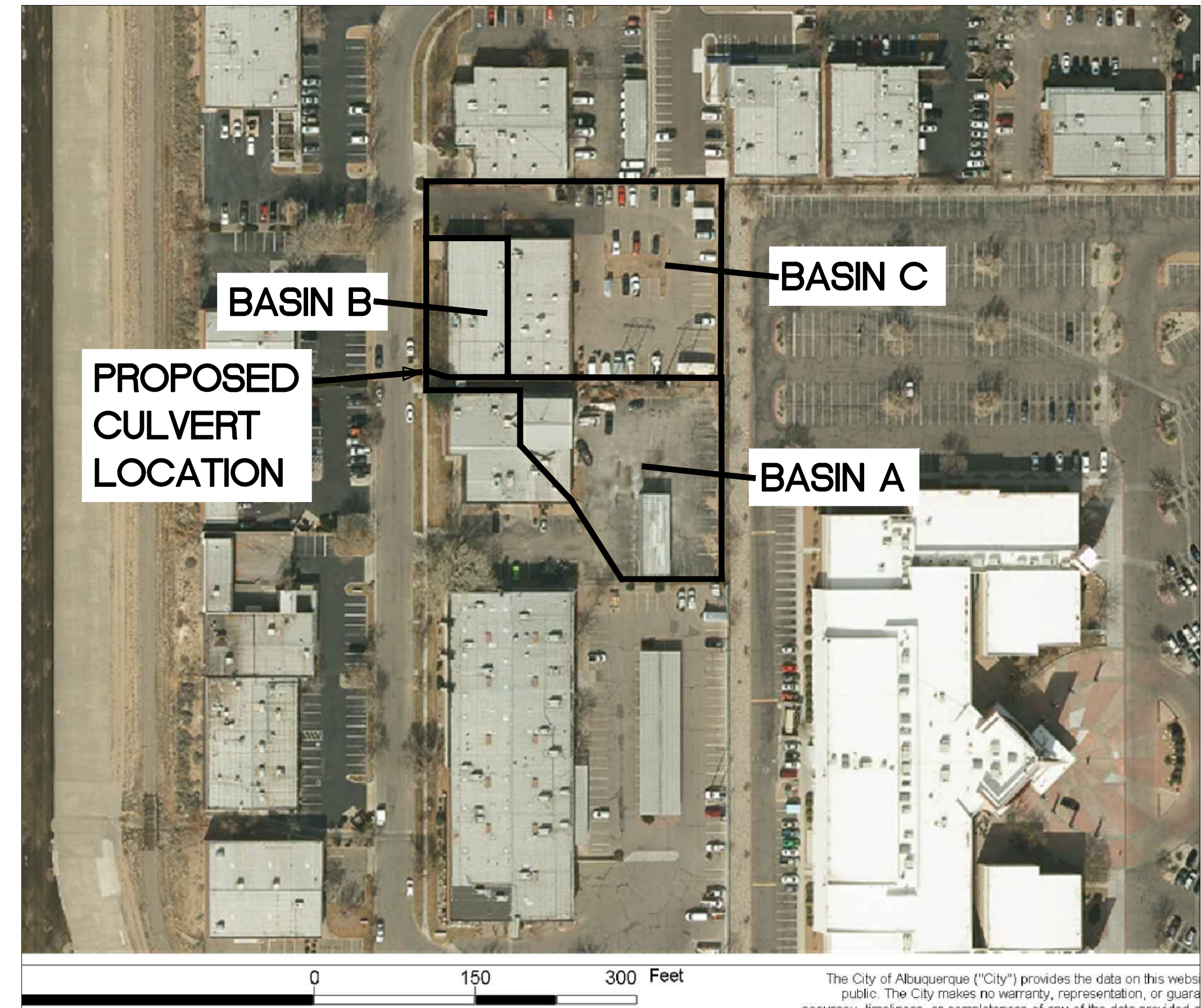
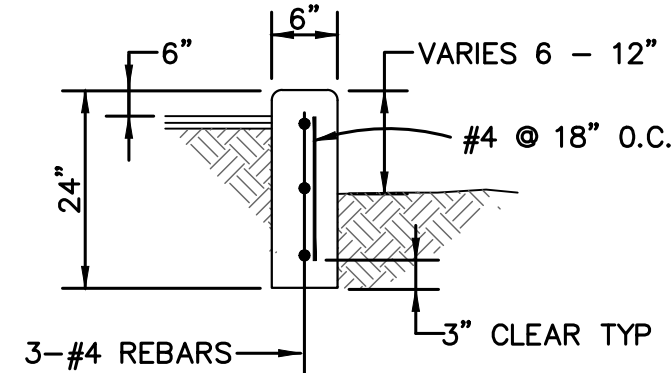
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- CONSTRUCTION NOTES:
1. PROVIDE 1/2" EXPANSION JOINTS AT 36' O.C., AT IMMOVABLE OBJECTS AND AT PERPENDICULAR CURBS PER DETAIL THIS SHEET
 2. PROVIDE CONTRACTION JOINTS @ 6' O.C. PER DETAIL THIS SHEET



- CONSTRUCTION NOTES:
1. PROVIDE 1/2" EXPANSION JOINTS AT 36' O.C., AT IMMOVABLE OBJECTS, AND AT THE BEGINNING AND END OF CURVES.
 2. PROVIDE CONTRACTION JOINTS @ 6' O.C.
 3. ALL EXPOSED CONCRETE CORNERS TO HAVE 3/4" RADII.



DRAINAGE BASIN MAP Scale 1" = 100'

100-YEAR HYDROLOGIC CALCULATIONS												
BASIN #	AREA (acre)	LAND TREATMENT				WEIGHTED		V (6-hr) (cu-ft)	V (6-hr) (acre-ft)	V (10 day) (acre-ft)	V (10 day) (cu-ft)	Q (cfs)
		A (%)	B (%)	C (%)	D (%)	E (in)						
HISTORICAL CONDITIONS												
ONSITE A	0.6800	100.00	0.00	0.00	0.00	0.53	0.03	1,308	0.03	1,308	1.06	
ONSITE B	0.2200	100.00	0.00	0.00	0.00	0.53	0.01	423	0.01	423	0.34	
ONSITE B	0.9200	100.00	0.00	0.00	0.00	0.53	0.04	1,770	0.04	1,770	1.44	
TOTAL	1.8200						0.04	1732	0.04	1732	1.40	
EXISTING CONDITIONS												
ONSITE A	0.6800	0.00	0.00	7.00	93.00	2.05	0.12	5,062	0.20	8,735	3.12	
ONSITE B	0.2200	0.00	0.00	28.00	72.00	1.84	0.03	1,472	0.05	2,392	0.94	
ONSITE B	0.9200	100.00	0.00	4.00	96.00	2.61	0.20	8,718	0.32	13,847	5.70	
TOTAL	1.8200						0.15	6534	0.26	11127	4.06	
EXCESS PRECIP.	0.53	0.78	1.13	2.12	Ei (in)							
PEAK DISCHARGE	1.56	2.28	3.14	4.7	QPI (cfs)							
WEIGHTED E (in) = (EA)(%A) + (EB)(%B) + (EC)(%C) + (ED)(%D)								ZONE = 2				
V6-HR (acre-ft) = (WEIGHTED E)(A)/12								P6-HR (in.) 2.35				
V10DAY (acre-ft) = V6-HR + (AD)(P10DAY - P6-HR)/12								P24-HR (in.) 2.75				
Q (cfs) = (QPA)(AA) + (QPB)(AB) + (QPC)(AC) + (QPD)(AD)								P10DAY (in.) 3.95				

SIDEWALK CULVERT CAPACITY
Weir Flow Equation - $CPH^{3/2}$
C L(h) h (ft) Q(cfs)
27 2 0.66 290
Q100 = 3.12 APPROX = QCAP 29 cfs ok

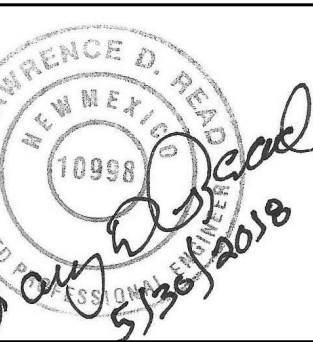


FIRM MAP 35001C0138H 8/16/2012

LARRY READ & ASSOCIATES
Civil Engineers
2430 Midtown Place, NE, Suite C
Albuquerque, New Mexico 87107
(505) 237-8421 Fax (505) 237-8422

NO.	DATE	REVISIONS DESCRIPTION	BY
1			
2			
3			
4			

DETAILS



GREG BARNES
5550 MIDWAY PARK PL NE
FLOOD REMEDIATION
LOT 16, JEFFERSON COMMONS
BERNALILLO COUNTY

DRAWING NAME: PROTEK-PH1.DWG
SHEET 2 OF 2