

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: TACO BELL RENOVATIONS	Building Permit #: City Drainage #:
DRB#:EPC#:	Work Order#:
Legal Description: TRACT 1-A-1 Block 1 City Address: 48 15 4th ST. NW	PLATOFTRACTS 1-A-1 & 1-A-2 BLOCK 1 SANDIA PL ALBUQUERQUE, NM 87107
Engineering Firm: MILLER ENGINEERING Address: 3500 COMANCHE NE BLOC Phonell: 505 - 888 - 7500 FaxII:	& CONSULTANTS, INC. Contact: KEVIN RUCKER
OWNER: ALVARADO CONCEPTS, INC	
Architect: GLMV ARCHITECTURE Address: 1525 E. DOUGLAS Phone#: 316-265-9367 Fax#:	
Address:	Contact:
Phone#: Fax#:	E-mail:
Contractor:Address:	Contact:
Phone#: Fax#:	E-mail:
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN ISI SUBMITTAL DRAINAGE PLAN RESUBMITTAL CONCEPTUAL G & D PLAN GRADING PLAN EROSION & SEDIMENT CONTROL PLAN (ESC) ENGINEER'S CERT (HYDROLOGY) CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (DRB SITE PLAN) ENGINEER'S CERT (ESC) SO-19 OTHER (SPECIFY)	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: SIA/FINANCIAL GUARANTEE RELEASE PRELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D APPROVAL S. DEV. FOR BLDG. PERMIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL CERTIFICATE OF OCCUPANCY (PERM) CERTIFICATE OF OCCUPANCY (TCL TEMP) FOUNDATION PERMIT APPROVAL BUILDING PERMIT APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL WORK ORDER APPROVAL GRADING CERTIFICATION OTHER (SPECIFY)
was a pre-design conference attended: $8-18-2015$	By: Yes X No Copy Provided

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the followin

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans

2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres

3. Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more

Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than I-acre than are part of a larger common plan of development

SECTOR PLANS Secarpment

Petroglyph Mon.

Design Overlay Zones 2 Mile Airport Zone

MAP SCALE 1" = 500'

PANEL 0119G

FLOOD INSURANCE RATE MAP BERNALILLO COUNTY.

NEW MEXICO AND INCORPORATED AREAS

PANEL 119 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

S RANCHOS DE ALBUQUERQUE, CITY OF 350123 0119

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject

MAP NUMBER

MAP REVISED

SITE LOCATION

TACO BELL IS LOCATED AT 4815 4th STREET N.W. IN ALBUQUERQUE, NM. THE BOUNDARY IS RECTANGULAR IN SHAPE AND BOUNDED BY EXISTING RESIDENCES TO THE WEST. EXISTING BUSINESS TO THE SOUTH. AN EXISTING PALO DURO STREET TO THE NORTH, AND 4TH STREET N.W. TO THE EAST.

EXISTING ON SITE CONDITIONS

THE SITE IS DEVELOPED WITH AN EXISTING ASPHALT PAVED PARKING AREA. EXISTING PIZZA HUT BUILDING. THE SITE IS ACCESSED FROM 4TH STREET N.W. ON THE EAST SIDE OF THE SITE. ALSO FROMTHE NORTHWEST CORNER ALONG PALO DURO. THE PROPERTY HAS ONE DRAINAGE BASIN, WHICH IS IDENTIFIED AS BASIN A. THIS REPORT FOCUSES ON THE PRE AND POST HYDROLOGY. BASIN A DRAINS TO NORTH INTO PALO DURO STREET N.W. VIA SURFACE FLOWS; THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE EXISTING PEAK DISCHARGE AND RUNOFF VOLUME FOR BASIN A.

PROPOSED CONDITIONS

THE PROPOSED DEVELOPMENT OF THE SITE WILL CONSIST OF A SMALL ADDITION TO THE EXISTING BUILDING, ASSOCIATED CONCRETE FLATWORK, SIDEWALKS, ASPHALT PARKING LOT, AND LANDSCAPING. THE IMPROVEMENTS ARE ALL LOCATED IN PROPOSED DRAINAGE BASIN A. BASIN A WILL FREE DISCHARGE INTO WATER HARVEST AREAS 1.2. AND 3 ALONG THE NORTH PORTION OF THE PROPERTY. THE REMAINING PORTION OF THE STORM WATER FLOW GENERATED FROM THE SITE WILL FREE DISCHARGE VIA SURFACE FLOW TO THE SOUTH INTO A NEW WATER HARVEST AREA NO. 4 AND TO THE EAST INTO FOURTH STREET. THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE PROPOSED PEAK DISCHARGE AND RUNOFF VOLUME FOR BASIN A.

OFFSITE FLOWS

THERE ARE NO OFFSITE FLOWS THAT DRAIN ONTO THE SITE.

CONCLUSION

RUNOFF VOLUME AND FLOW RATE HAS DECREASED AS A RESULT OF CHANGES IN LAND TREATMENTS FOR BASINS A BY 0.007 ACRE FEET AND THE PEAK FLOW RATE HAS DECREASED BY 0.111 CFS. THE MAJORITY OF THE RUNOFF DEVELOPED FROM THE PROPOSED IMPROVEMENTS WILL DISCHARGE INTO THE PROPOSED WATER HARVEST AREAS THEN ULTIMATELY TO 4TH STREET OR PALO DURO STREET WHEN THE WATER HARVEST AREA REACHES CAPACITY. BASED ON THE CITY OF ALBUQUERQUE HYDROLOGY DEPARTMENT RULES FOR THE VALLEY, THE FIRST HALF INCH OF RAIN WILL BE RETAINED ONSITE. THAT CALCULATION WAS DETERMINED TO BE 675 CUBIC FEET OF RETENTION. THE PROPOSED WATER HARVEST AREA RETAINS 1350 CUBIC FEET WHICH EXCEEDS THE 102 CUBIC FEET CALCULATED FOR THE FIRST HALF INCH OF RAIN.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE A SIDEWALK CULVERT, CURB AND GUTTERS AND CURB CUTS ALLOWING STORMWATER INTO AND OUT OF PROPOSED WATER HARVESTING AREAS. THESE WATER HARVESTING AREAS WILL BE USED TO MANAGE THE FIRST FLUSH AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES. THE VOLUME OF THE FIRST FLUSH (0.44-0.1 INCHES * IMPERVIOUS AREA)= 460 cf. THE WATER HARVEST AREA VOLUME = 1350 cf > 70 cf. THEREFOR MANAGES THE FIRST FLUSH. (SEE CALCULATIONS BELOW)

WATER HARVEST VOLUMES

		×						
WATER HARVEST AREA 1 Proposed								
Pond Rating Table								
Side Slo	ре	1:1						
Depth	Area		Volume	Cum Volume				
(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)				
4971	200	0.005	0.000	0.000				
4972	267	0.006	0.005	0.005				
4973	343	0.008	0.012	0.018				
		_		_				

WATER HARVEST AREA 2 Proposed									
Pond Rating Table									
Side Slo	ре	1:1							
Depth	Area		Volume	Cum Volume					
(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)					
4971	41	0.001	0.000	0.000					
4972	77	0.002	0.001	0.001					
4973	123	0.003	0.004	0.005					

WATER HARVEST AREA 3 Proposed Pond Rating Table Side Slope 1:1 Depth Area Volume Cum Volume (ft) (sq ft) (ac) (ac-ft) (ac-ft) 4972 88 0.002 0.000 0.000									
Side Slope 1:1 Depth Area Volume Cum Volume (ft) (sq ft) (ac) (ac-ft) (ac-ft)	WATER HARVEST AREA 3 Proposed								
DepthAreaVolumeCum Volume(ft)(sq ft)(ac)(ac-ft)(ac-ft)	Pond Rating Table								
(ft) (sq ft) (ac) (ac-ft) (ac-ft)	Side Slo	ре	1:1						
	Depth	Area		Volume	Cum Volume				
4972 88 0.002 0.000 0.000	(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)				
	4972	88	0.002	0.000	0.000				
4973 213 0.005 0.003 0.003	4973	213	0.005	0.003	0.003				

7	WATER HARVEST AREA 4 Proposed							
1	Pond Rating Table							
1	Side Slo	ре	1:1					
9	Depth	Area		Volume	Cum Volume			
	(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)			
1	4972	155	0.004	0.000	0.000			
	4973	272	0.006	0.005	0.005			
	4973	272	0.006	0.005	0.005			

DDAINIACE DATA

								DRAII	NAGE	: DA I	<u> </u>								
- Precipitat	ion Zone 2	- 100-year	Storm	P(360) =	2.33	in	P(1440) =	2.67	in	Precipitat	tion Zone 2 -	- 10-year St	torm	P(360) =	1.52	in	P(1440) =	1.8	in
	Basin	L	and Treatr	ment Factor	s						Basin	L	and Treatn	nent Factor	S				
Basin	Area	Α	В	С	D	Ew	V(100-6)	V(100-24)	Q(100)	Basin	Area	Α	В	С	D	Ew	V(10-6)	V(10-24)	Q(10)
	(Ac)		(Acres	s)		(in)	(af)	(af)	(cfs)		(Ac)		(Acres)		(in)	(af)	(af)	(cfs)
Existing C	Conditions									Existing C	Conditions								
4	0.370	0.000	0.000	0.015	0.355	2.080	0.064	0.076	1.716	Α	0.300	0.000	0.000	0.000	0.300	2.120	0.053	0.063	1.410
Total	0.370							0.076	1.716	Total	0.300							0.063	1.410
Proposed	Conditions									Proposed	Conditions								
1	0.360	0.000	0.000	0.056	0.304	1.97	0.059	0.069	1.605	1	0.360	0.000	0.000	0.000	0.360	1.340	0.040	0.048	1.130
Total	0.360							0.069	1.605	Total	0.360							0.048	1.130

GENERAL NOTES:

- EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC. CORRALES, NEW MEXICO JUNE 2015. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- 2. PROJECT BENCHMARK IS A CITY OF ALBUQUERQUE SURVEY CONTROL 1 3/4 INCH METALLIC DISC EPOXIED TO THE TOP OF CONCRETE STORM DRAIN INLET STAMPED "ACS BM 18-G14". TO REACH THE STATION FROM THE INTERSECTION OF FOURTH STREET AND MENAUL BOULEVARD N.W. TRAVEL NORTH 1.35 MILES TO THE INTERSECTION OF GRIEGOS ROAD N.W., THE BENCHMARK IS LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION. ELEVATION = 4,972.953 FEET (NAVD 88 VERTICAL DATUM).
- 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION
- CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 6. ALL EMBANKMENTS SHALL BE PLACED AND COMPACTED IN LIFTS OF MAXIMUM OF 8". THE EMBANKMENTS SHALL BE WETTED AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D1557 AND 95% UNDER ALL STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- 7. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- 8. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 9. 100% OF THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X (500 YEAR) FLOODPLAIN DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD PLANE ACCORDING TO THE FLOOD INSURANCE RATE MAP, ALBUQUERQUE, NEW MEXICO AND UNINCORPORATED AREAS PER MAP NO 35001C 0332G.
- 10. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STORM DRAINAGE REGULATIONS. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE "GRADING AND DRAINAGE DESIGN REQUIREMENTS AND POLICIES FOR LAND DEVELOPMENT."
- 11. THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- 12. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE AND REASONABLE MEASURES TO PREVENT SEDIMENT OR POLLUTANT LADEN STORM WATER FROM EXITING THE SITE DURING CONSTRUCTION. STORMWATER MAY BE DISCHARGED IN A MANNER, WHICH COMPLIES WITH THE APPROVED GRADING AND DRAINAGE PLAN.
- 13. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO PREVENT THE MOVEMENT OF CONSTRUCTION RELATED SEDIMENT, DUST, MUD, POLLUTANTS, DEBRIS, WASTE, ETC FROM THE SITE BY WIND. STORM FLOW OR ANY OTHER METHOD EXCLUDING THE INTENTIONAL, LEGAL TRANSPORTATION OF SAME IN A MANNER ACCEPTABLE BY
- 14. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.

THE CITY.

- 15. THE CONTRACTOR SHALL SUBMIT A SEED MIX DESIGN TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO STARTING THE SEEDING ON THE PROJECT. THE SEED MIX DESIGN SHALL BE A SEED MIX RECOMMENDED BY THE NRCS FIELD OFFICE REPRESENTATIVE THAT IS APPROPRIATE FOR THE PROJECT LOCATION. ALL DISTURBED AREAS WITH SLOPES LESS THAN 3:1 SHALL RECEIVE CLASS "A" SEEDING. ALL DISTURBED AREAS WITH SLOPES EQUAL TO OR GREATER THAN 3:1 SHALL RECEIVE STEEP SLOPE SEEDING. THE STEEP SLOPE SEEDING SHALL CONSIST OF SEEDING IN CONJUNCTION WITH A 100% COCONUT FIBER BLEND EROSION BLANKET (NORTH AMERICAN GREEN C125) OR APPROVED EQUAL. ALL MATERIALS, EQUIPMENT AND LABOR ASSOCIATED WITH THE PROPER CONSTRUCTION OF THE STEEP SLOPE SEEDING WILL BE CONSIDERED INCIDENTAL AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS MATERIAL OR WORK. THE COCONUT FIBER EROSION BLANKET AND ASSOCIATED SEEDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPROVED BY THE PROJECT ENGINEER PRIOR TO CONSTRUCTION.
- 16. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE ANY SPOT ELEVATIONS ON THE GRADING AND DRAINAGE PLAN WHICH APPEAR TO BE AMBIGUOUS OR DO NOT MEET THE INTENT OF THE GRADING AND DRAINAGE PLAN.
- 17. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DOES NOT MEET ADA ACCESSIBILITY REQUIREMENTS. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.0%, AND ALL RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 15:1.
- 18. ALL SIDEWALKS AND CONCRETE FLATWORK SHALL HAVE A MINIMUM OF 0.5% SLOPE. CONTRACTOR SHALL CONTACT PROJECT ENGINEER IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DO NOT MEET THIS REQUIREMENT.
- 19. THE CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS, CUT SHEETS AND SHOP DRAWINGS FOR ALL CIVIL RELATED ITEMS FOR REVIEW PRIOR TO CONSTRUCTION.
- 20. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (UPDATE 8, AMENDMENT 1)
- 21. ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.

SPECIAL ORDER 19

DRAINAGE FACILITIES WITHIN THE CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR

- 1) AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 AMENDMENT 1.
- 3) TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL 260-1990, FOR LOCATION OF EXISTING
- 4) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. 5) BACK FILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE. 6) MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER
- OF THE PROPERTY BEING SERVED. 7) WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24 - HOUR BASIS.



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CONTRACT DATE 07.08.2015 BUILDING TYPE: **EXPLORER** PLAN VERSION: SITE NUMBER: STORE NUMBER: XXXXX

TACO BELL

4815 4TH STREET NW ALBUQUERQUE, NM



DRAINAGE REPORT

FLOOD ZONE MAP FLOOD ZONE MAP: 35001C0353H

Map amended through: 9/2/2014

VICINITY MAP

ZONE ATLAS MAP F-14-Z

B1

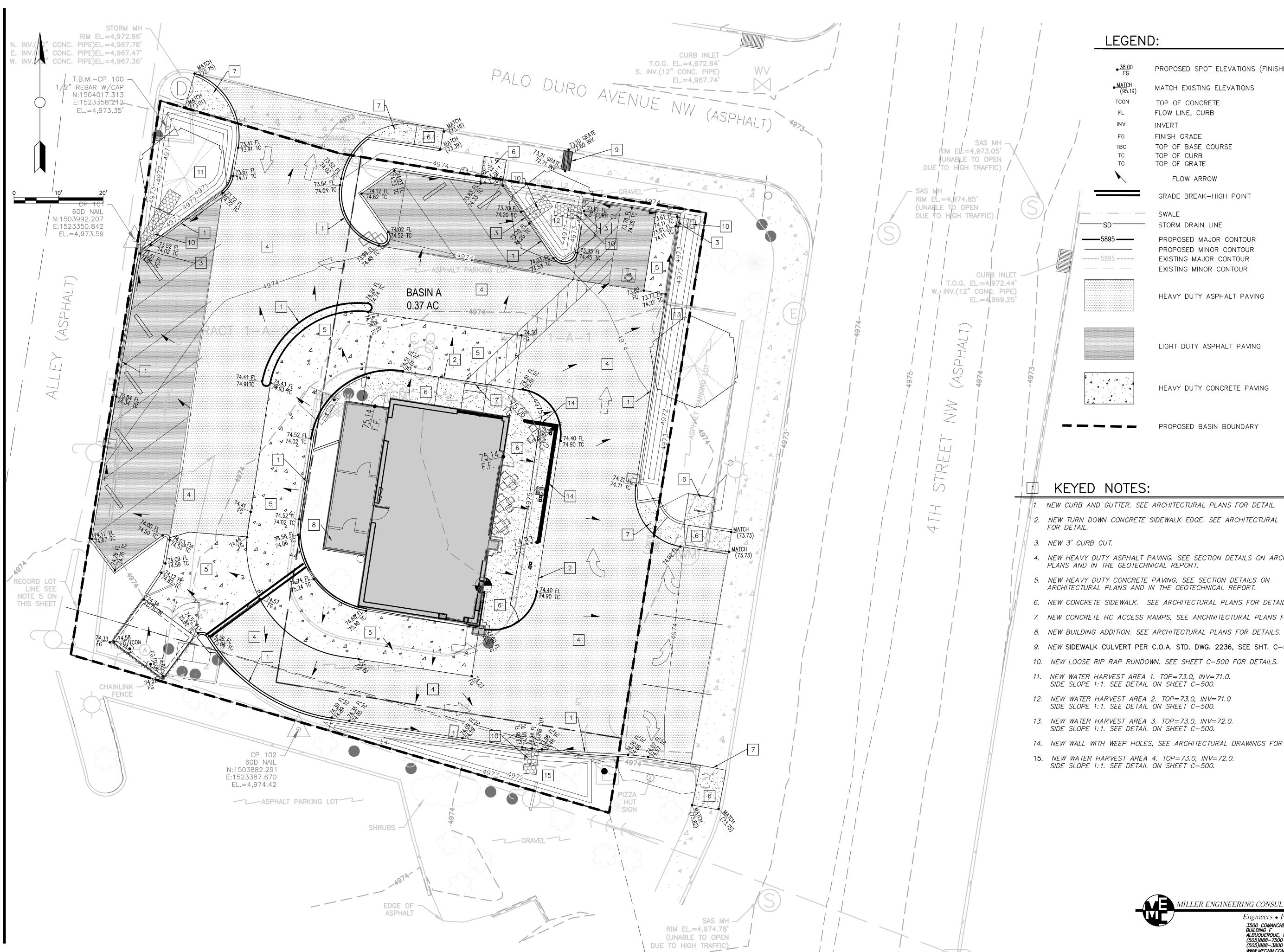
 Note: Grey Shading Represents Area Outsic of the City Limits

MILLER ENGINEERING CONSULTANTS

Engineers • Planners

3500 COMANCHE, NE BUILDING F ALBUQUER, NM 87107

(505)888-7500 (505)888-3800 (FAX) WWW.MECNM.COM



LEGEND:

PROPOSED SPOT ELEVATIONS (FINISHED GRADE) MATCH EXISTING ELEVATIONS

TOP OF CONCRETE

FLOW LINE, CURB INVERT FINISH GRADE

> TOP OF BASE COURSE TOP OF CURB TOP OF GRATE

FLOW ARROW

GRADE BREAK-HIGH POINT

STORM DRAIN LINE

PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR

HEAVY DUTY ASPHALT PAVING

LIGHT DUTY ASPHALT PAVING

HEAVY DUTY CONCRETE PAVING

PROPOSED BASIN BOUNDARY

KEYED NOTES:

----- 5895 -----

- NEW CURB AND GUTTER. SEE ARCHITECTURAL PLANS FOR DETAIL. 1 2. NEW TURN DOWN CONCRETE SIDEWALK EDGE. SEE ARCHITECTURAL PLANS FOR DETAIL.
- 3. NEW 3' CURB CUT.
- 4. NEW HEAVY DUTY ASPHALT PAVING. SEE SECTION DETAILS ON ARCHITECTURAL PLANS AND IN THE GEOTECHNICAL REPORT.
- 5. NEW HEAVY DUTY CONCRETE PAVING, SEE SECTION DETAILS ON ARCHITECTURAL PLANS AND IN THE GEOTECHNICAL REPORT.
- 6. NEW CONCRETE SIDEWALK. SEE ARCHITECTURAL PLANS FOR DETAIL.
- 7. NEW CONCRETE HC ACCESS RAMPS, SEE ARCHNITECTURAL PLANS FOR DETAIL.
- 9. NEW SIDEWALK CULVERT PER C.O.A. STD. DWG. 2236, SEE SHT. C-500.
- 10. NEW LOOSE RIP RAP RUNDOWN. SEE SHEET C-500 FOR DETAILS.
- 11. NEW WATER HARVEST AREA 1. TOP=73.0, INV=71.0. SIDE SLOPE 1:1. SEE DETAIL ON SHEET C-500.
- 12. NEW WATER HARVEST AREA 2. TOP=73.0, INV=71.0
- SIDE SLOPE 1:1. SEE DETAIL ON SHEET C-500. 13. NEW WATER HARVEST AREA 3. TOP=73.0, INV=72.0.
- 14. NEW WALL WITH WEEP HOLES, SEE ARCHITECTURAL DRAWINGS FOR INFO.
- 15. NEW WATER HARVEST AREA 4. TOP=73.0, INV=72.0. SIDE SLOPE 1:1. SEE DETAIL ON SHEET C-500.





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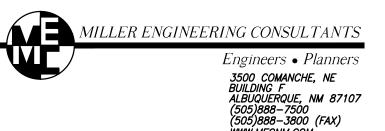
CONTRACT DATE: 07.08.2015 BUILDING TYPE: **EXPLORER** PLAN VERSION: SITE NUMBER: STORE NUMBER: XXXXX

TACO BELL

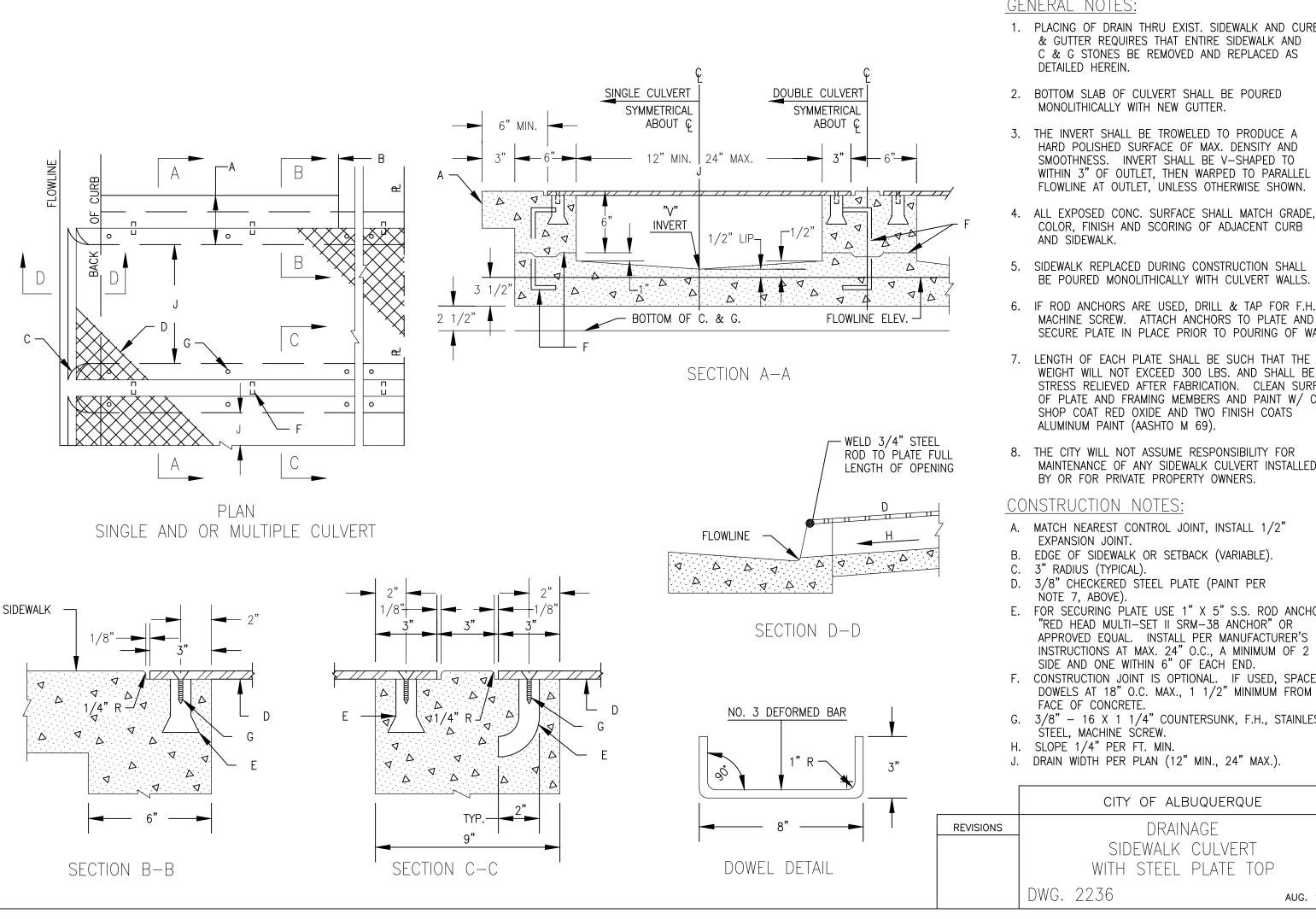
4815 4TH STREET NW ALBUQUERQUE, NM



GRADING AND DRAINAGE PLAN



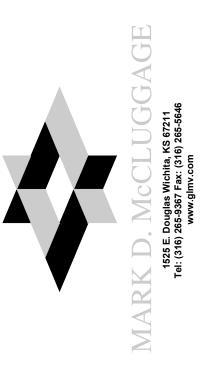
C-101



GENERAL NOTES:

- 1. PLACING OF DRAIN THRU EXIST. SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND C & G STONES BE REMOVED AND REPLACED AS
- 2. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
- 3. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX. DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
- 4. ALL EXPOSED CONC. SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB
- 5. SIDEWALK REPLACED DURING CONSTRUCTION SHALL
- 6. IF ROD ANCHORS ARE USED, DRILL & TAP FOR F.H. MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
- WEIGHT WILL NOT EXCEED 300 LBS. AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
- 8. THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.
- A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
- D. 3/8" CHECKERED STEEL PLATE (PAINT PER
- E. FOR SECURING PLATE USE 1" X 5" S.S. ROD ANCHOR, "RED HEAD MULTI-SET II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER
- F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1 1/2" MINIMUM FROM
- G. 3/8" 16 X 1 1/4" COUNTERSUNK, F.H., STAINLESS
- J. DRAIN WIDTH PER PLAN (12" MIN., 24" MAX.).

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		CITY OF ALBUQUERQUE	
REVISIONS		DRAINAGE	
		SIDEWALK CULVERT	
		WITH STEEL PLATE TOP	
	DWG.	2236	AUG





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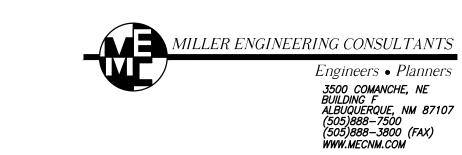
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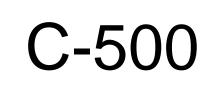
TACO BELL

4815 4TH STREET NW ALBUQUERQUE, NM



MISCELLANEOUS **DETAILS**





SCALE: NOT TO SCALE