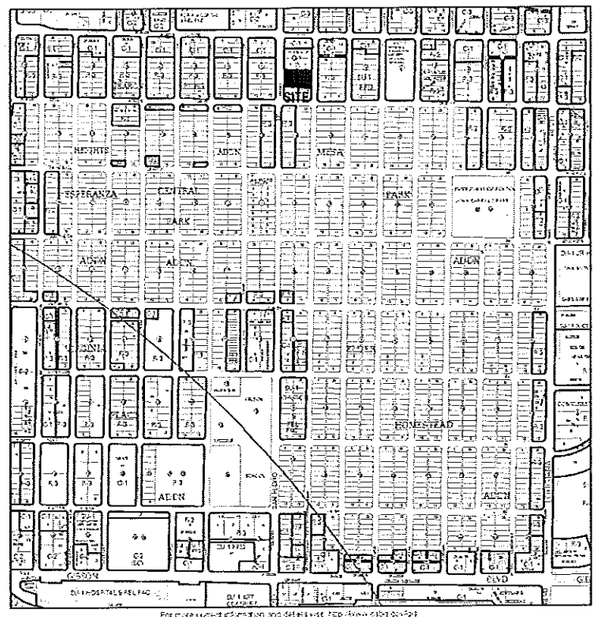
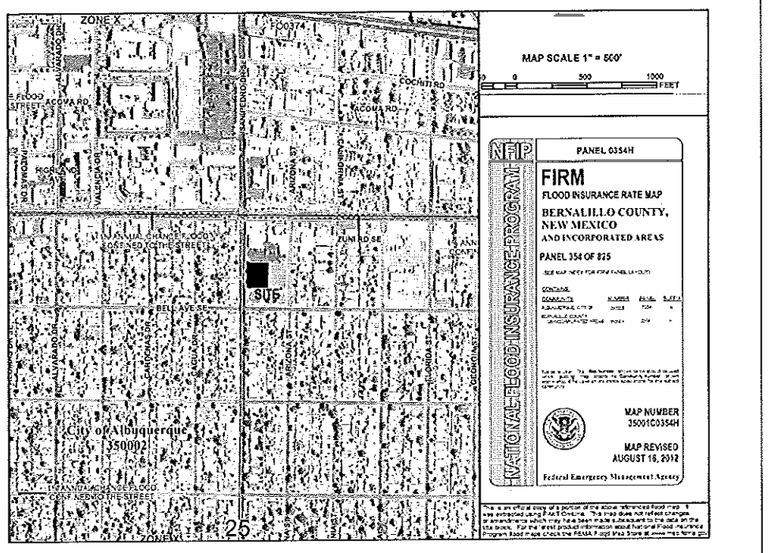


C1 **VICINITY MAP**
ZONE ATLAS MAP L-18-Z



A1 **FLOOD ZONE MAP**
FLOOD ZONE MAP: 35001C0354H

SITE LOCATION

PLUMBERS AND PIPEFITTERS TRAINING CENTER IS LOCATED IS LOCATED AT 421 ARIZONA, N.E., IN ALBUQUERQUE, NM. THE BOUNDARY IS RECTANGULAR AND BOUNDED BY SAN PEDRO DRIVE S.E. TO THE WEST, JACK AND JILL PARK TO THE SOUTH, PLUMBERS AND PIPEFITTERS PARKING AREA FOR EXISTING OFFICES TO THE NORTH, AND ARIZONA STREET S.E. AVENUE TO THE EAST.

EXISTING ON SITE CONDITIONS

THE SITE IS THE WEST HALF TRACT A-1-B, BLOCK 1 OF MESA PARK ADDITION. THE EAST HALF OF THE TRACT HAS TWO EXISTING BUILDINGS AND AN EXISTING PARKING AREA. THE GRADING AND DRAINAGE PLAN FOR THE EXISTING EAST HALF WAS APPROVED BY CITY HYDROLOGY ON FEBRUATRY 10, 2010 UNDER ENGINEER STAMPED DATED 6-24-09 HYDROLOGY PROJECT NUMBER L-18/D074. THE WEST HALF OF THE SITE IS VACANT WITH A BASE COURSE SURFACING. THERE IS AN EXISTING ASPHALT DITCH THAT WAS CONSTRUCTED ALONG THE EAST AND THE NORTH PROPERTY LINE. THERE IS AN EXISTING OVERHEAD ELECTRICAL POWER LINES, THAT ARE CROSSING THE SITE. THE SITE IS ACCESSED FROM THE EAST OFF OF ARIZONA STREET. GRADING AND DRAINAGE PLAN (L-18/D074) FOR PLUMBERS AND STEAM FITTERS UNION BY BRASHER AND LORENZ DATED 6-24-2009 WAS APPROVED IN 2010. THE PROPERTY HAS THREE DRAINAGE BASINS, WHICH IS IDENTIFIED AS BASINS 1, 2, AND 3 TO MATCH THE PREVIOUSLY APPROVED GRADING PLAN. THIS REPORT FOCUSES ON THE PRE AND POST HYDROLOGY. BASIN 3 DRAINS TO THE NORTHWEST CORNER OF THE PROPERTY BY SURFACE FLOW. THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE EXISTING PEAK DISCHARGE AND RUNOFF VOLUME FOR BASIN 3.

PROPOSED CONDITIONS

THE PROPOSED DEVELOPMENT OF THE SITE WILL CONSIST OF ONE BUILDING, ASSOCIATED CONCRETE FLATWORK, SIDEWALKS, SIDEWALK CULVER, AND LANDSCAPING. THE IMPROVEMENTS ARE ALL LOCATED IN EXISTING DRAINAGE BASIN 3. THE MAJORITY OF THE STORM WATER FLOW GENERATED FROM THE DEVELOPMENT OF THIS SITE WILL BE COLLECTED VIA SURFACE FLOW AND FREE DISCHARGE THRU AN EXISTING ASPHALT DITCH TO SAN PEDRO DRIVE. THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE EXISTING PEAK DISCHARGE AND RUNOFF VOLUME FOR BASIN 3.

OFFSITE FLOWS

BASINS ONE AND TWO FROM THE PREVIOUS DEVELOPMENT ON THE EAST HALF OF THE SITE DRAIN VIA SURFACE FLOW THROUGH AN EXISTING ASPHALT DITCH ACROSS BASIN 3 THUS DISCHARGING TO THE NORTHWEST CORNER OF THE SITE INTO SAN PEDRO DRIVE VIA AN EXISTING SIDEWALK CULVERT.

CONCLUSION

RUNOFF VOLUME AND FLOW RATE INCREASED AS A RESULT OF CHANGES IN LAND TREATMENTS FOR BASIN 3 BY 0.042 ACRE FEET AND THE PEAK FLOW RATE HAS INCREASED BY 0.51 CFS.

AS PER APPROVED GRADING AND DRAINAGE PLAN (L-18/D074) FOR PLUMBERS AND STEAM FITTERS UNION BY BRASHER AND LORENZ DATED 6-24-2009 WAS APPROVED IN 2010 BASIN 1, 2, AND 3 (THIS SITE), HARE ALLOWED TO FREE DISCHARGE INTO SAN PEDRO DRIVE. WITH THE PROPOSED IMPROVEMENTS AS OUTLINED IN THE PLAN, A PEAK DISCHARGE OF 2.49 cfs WILL BE GENERATED FOR THE 100 YEAR, 24 HOUR EVENT.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE STANDARD CONCRETE FLATWORK, SIDEWALK CULVERT, CONCRETE DRAINAGE CHANNEL AND A FIRST FLUSH WATER HARVEST AREA. THIS WATER HARVESTING AREA 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)= 395 cf. THE WATER HARVEST AREA VOLUME = 880 cf > 395 cf. THEREFOR MANAGES THE FIRST FLUSH.

GENERAL NOTES:

1. EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PROVIDED BY HARRIS SURVEYING. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
2. PROJECT BENCHMARK IS ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "5-K188" HAVING AN ELEVATION OF 5292.987, NAVD 1988.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
4. CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
5. 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. THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X, 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 0354H.
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 THE CITY.
14. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.
15. AS OF MARCH 10, 2003, THE USEPA REQUIRES NPDES PERMIT COVERAGE FOR STORM WATER DISCHARGES FROM CONSTRUCTION PROJECTS (COMMON PLANS OF DEVELOPMENT) THAT WILL RESULT IN THE DISTURBANCE (OR RE-DISTURBANCE) OF ONE OR MORE ACRES, INCLUDING EXPANSIONS OF TOTAL LAND AREA. THE DEVELOPER SHOULD BE MADE AWARE THAT THE USEPA REQUIRES THAT ALL "OPERATORS" (SEE FEDERAL REGISTER/VOL. 63, NO. 128 / MONDAY, JULY 6, 1999 PG 36509) OBTAIN NPDES PERMIT COVERAGE FOR CONSTRUCTION PROJECTS. GENERALLY THIS MEANS THAT AT LEAST TWO PARTIES WILL REQUIRE PERMIT COVERAGE. THE OWNER/DEVELOPER OF THIS CONSTRUCTION PROJECT WHO HAS OPERATIONAL CONTROL OVER THE PROJECT SPECIFICATIONS, THE GENERAL CONTRACTOR WHO HAS DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT THE SITE, WHICH ARE NECESSARY TO ENSURE COMPLIANCE WITH THE STORM WATER POLLUTION PLAN AND OTHER CONDITIONS, AND POSSIBLY OTHER "OPERATORS" THAT WILL REQUIRE APPROPRIATE NPDES PERMIT COVERAGE FOR THIS PROJECT.
16. 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.
17. 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.
18. 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.
19. 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.
20. THE CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS, CUT SHEETS AND SHOP DRAWINGS FOR ALL CIVIL RELATED ITEMS FOR REVIEW PRIOR TO CONSTRUCTION.
21. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS AND ABCWUA FOR ALL UTILITIES. (UPDATE 8, AMENDMENT 1)
22. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE ANY CONFLICTS BETWEEN EXISTING OR PROPOSED UTILITIES ON THIS PROJECT PRIOR TO CONSTRUCTION.
23. ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.

DRAINAGE DATA

Percipitation Zone 3 - 100-year Storm P(360) = 2.6 in P(1440) = 3.1 in

Basin	Basin Area (Ac)	Land Treatment Factors (Acres) A	B	C	D	Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
Existing Conditions									
3	0.58	0.00	0.00	0.58	0.00	1.29	0.062	0.062	1.98
Total	0.58								1.98
Proposed Conditions									
3	0.58	0.00	0.00	0.25	0.33	1.89	0.091	0.104	2.49
Total	0.58								2.49

Percipitation Zone 3 - 10-year Storm P(360) = 1.73 in P(1440) = 2.07 in

Basin	Basin Area (Ac)	Land Treatment Factors (Acres) A	B	C	D	Ew (in)	V(10-6) (af)	V(10-24) (af)	Q(10) (cfs)
Existing Conditions									
3	0.58	0.00	0.00	0.58	0.00	0.62	0.030	0.030	1.15
Total	0.58								1.15
Proposed Conditions									
3	0.58	0.00	0.00	0.25	0.33	1.12	0.054	0.063	1.60
Total	0.58								1.60

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ALBUQUERQUE, NM 87107
(505)888-7500
(505)888-7600 (Fax)
www.MECOM.COM

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	

Designed By: JMJ Date: JUNE 12, 2015
Drawn By: JMJ Date:
Checked By: VAM Date:

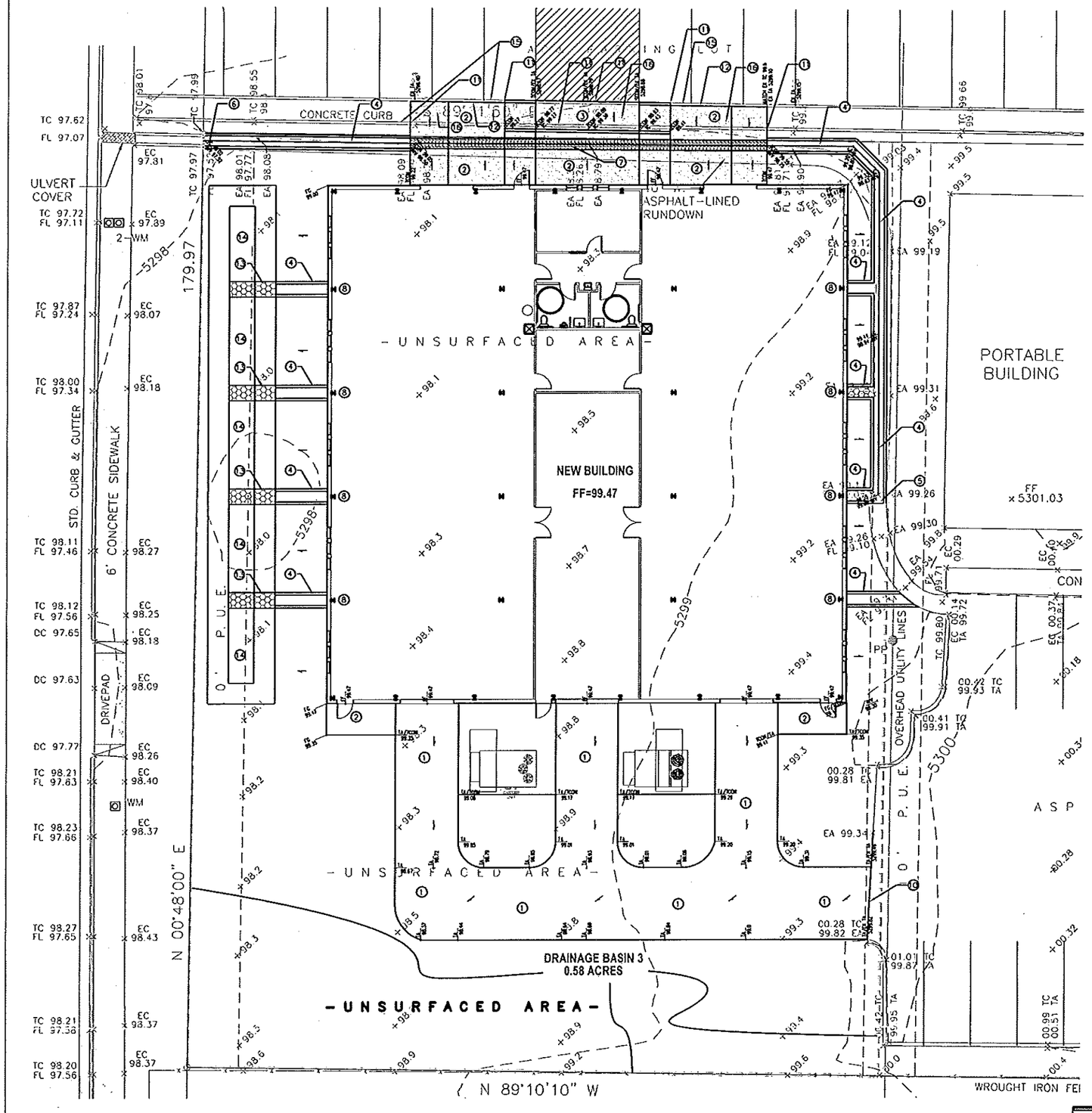
ENGINEER'S STAMP

ARCHITECT'S STAMP

NEW TRAINING / STORAGE FACILITY
FOR
PLUMBERS AND PIPEFITTERS TRAINING CENTER
LOCAL UNION 412
421 ARIZONA STREET SE
ALBUQUERQUE, NEW MEXICO

Aragon & Associates, LLC
ARCHITECTS LLC
6913 SHOSHONE RD. NE
ALBUQUERQUE, NEW MEXICO 87110
505-843-6283

SHEET NAME & NO.
GRADING AND DRAINAGE REPORT
C-100



A1 **GRADING AND DRAINAGE PLAN**
SCALE: 1"=10'

LEGEND:

98.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)		GRADE BREAK-HIGH POINT
MATCH (95.19)	MATCH EXISTING ELEVATIONS		SWALE
TCON	TOP OF CONCRETE	SD	STORM DRAIN LINE
FL	FLOW LINE, CURB		
INV	INVERT	5895	PROPOSED MAJOR CONTOUR
FG	FINISH GRADE		PROPOSED MINOR CONTOUR
TBC	TOP OF BASE COURSE	5895	EXISTING MAJOR CONTOUR
TC	TOP OF CURB		EXISTING MINOR CONTOUR
TG	TOP OF GRATE		
	FLOW ARROW		DRAINAGE BASIN

KEYED NOTES:

1. NEW ASPHALT DRIVEWAY. SEE SECTION SHEET C-501.
2. NEW CONCRETE SIDEWALK. AS PER COA STANDARD DWG 2430.
3. NEW TYPE A WHEELCHAIR CURB ACCESS RAMP. AS PER COA STANDARD DWG 2441.
4. NEW CONCRETE CHANNEL. SEE DETAIL SHEET C-501.
5. 5 FOOT TRANSITION FROM EXISTING ASPHALT DITCH TO NEW CONCRETE CHANNEL. CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS AND LOCATION PRIOR TO CONSTRUCTION.
6. 5 FOOT TRANSITION FROM NEW CONCRETE CHANNEL TO EXISTING CONCRETE CHANNEL. CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS AND LOCATION PRIOR TO CONSTRUCTION.
7. NEW ECONODRAIN SERIES #24 TRENCH SYSTEM WITH A SQUARE BOTTOM INVERT AND ADA COMPLIANT GRATE OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMITTAL TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL 5 DAYS PRIOR TO THE BID OPENING.
8. APPROXIMATE LOCATION OF ROOF DRAINS.
9. NEW CLASS B RIP RAP (LOOSE) SWALE. SEE DETAIL SHEET C-501.
10. SAWCUT EXISTING ASPHALT TO CLEAN STRAIGHT EDGE. MATCH NEW ASPHALT ELEVATION WITH EXISTING TOP OF ASPHALT ELEVATION.
11. SAWCUT ,REMOVE, AND DISPOSE OF EXISTING CONCRETE HEADER CURB. MATCH NEW TOP OF CONCRETE ELEVATION WITH EXISTING TOP OF ASPHALT ELEVATION. CONTRACTOR SHALL FIELD VERIFY ELEVATION PRIOR TO CONSTRUCTION.
12. EXISTING HEADER CURB TO REMAIN. MATCH NEW TOP OF SIDEWALK ELEVATION WITH THE EXISTING TOP OF HEADER CURB ELEVATION.
13. NEW CLASS B RIP RAP (LOOSE) RUNDOWN. SEE DETAIL SHEET C-501.
14. NEW FIRST FLUSH WATER HARVEST AREA.
INV=97.0
TOP=98.0
15. EXISTING HEADER CURB TO REMAIN.
16. LANDSCAPE AREA TO BE REMOVED AS NECESSARY TO PROPERLY INSTALL THE NEW RAMP AND SIDEWALK.

SCALE: 1"=10'
CONTOUR INTERVAL = 1'

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(505)888-3600 (FAX)
WWW.MECIVIL.COM

No.	Date	By
	Remarks	
	REVISIONS	
	DESIGN	JMJ
	Date: JUNE 12, 2015	
Designed By:		JMJ
Drawn By:		JMJ
Checked By:		VAM

ENGINEER'S STAMP

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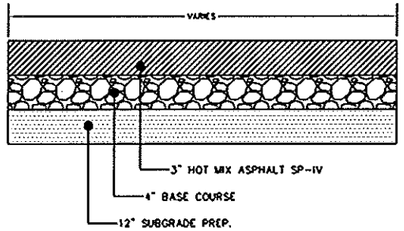
FOR
PLUMBERS AND PIPEFITTERS TRAINING CENTER
LOCAL UNION 412
421 ARIZONA STREET SE
ALBUQUERQUE, NEW MEXICO

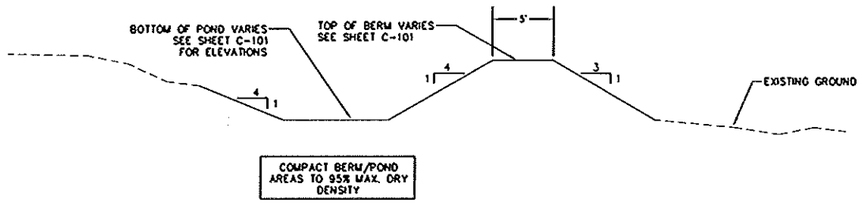
Aragon & Associates
ARCHITECTS LLC
6913 SHOSHONE RD. NE
ALBUQUERQUE, NEW MEXICO 87110
505-843-6253

SHEET NAME & NO.
GRADING AND DRAINAGE PLAN
C-102

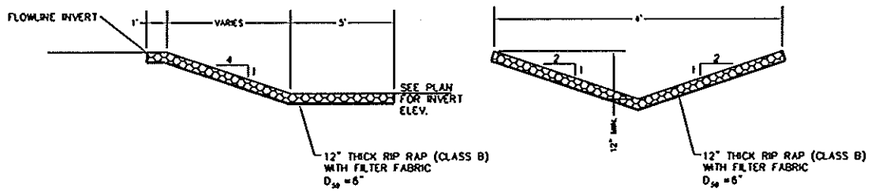


D1 **TYPICAL ASPHALT SECTION**
SCALE: NOT TO SCALE

REFERENCE GEOTECHNICAL REPORT PREPARED BY:
EARTHWORKS ENGINEERING GROUP
PROJECT NO.: A15-304
DATED: MAY 26, 2015

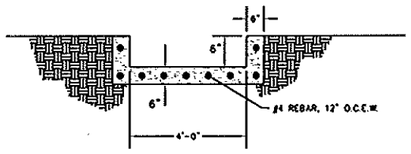


D5 **TYPICAL POND SECTION DETAIL**
SCALE: NOT TO SCALE



PROFILE SECTION

B1 **RIP RAP RUNDOWN DETAIL**
SCALE: NOT TO SCALE



D4 **CONCRETE CHANNEL DETAIL**
SCALE: NOT TO SCALE

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
Designed By:		JMJ	Date: JUNE 12, 2015
Drawn By:		JMJ	Date:
Checked By:		VAM	Date:

ENGINEER'S STAMP

ARCHITECT'S STAMP

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LOCAL UNION 412
421 ARIZONA STREET SE
ALBUQUERQUE, NEW MEXICO

Aragon & Associates
ARCHITECTS LLC
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ALBUQUERQUE, NEW MEXICO 87110
505-843-0293

SHEET NAME & NO.
MISCELLANEOUS DETAIL
C-501

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DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 01/06)

PROJECT TITLE: NEW TRAINING/STORAGE FACILITY ZONE MAP/DRG. FILE # L-18-Z

DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: TRACT A-1-B BLOCK 1 MESA PARK ADDITION SECTION 25, T. 10 N., R. 3 E., N.M.P.M. ALBUQUERQUE, BERNALILLO CTY., NEW MEXICO

CITY ADDRESS: 421 ARIZONA SE, ALBUQUERQUE, NM 87108

ENGINEERING FIRM: MILLER ENGINEERING CONSULTANTS CONTACT: JOHN JACQUEZ

ADDRESS: 3500 COMANCHE NE, BUILDING F PHONE: 505-888-7500

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

OWNER: PLUMBER AND PIPEFITTERS, LOCAL UNION 412 CONTACT: _____

ADDRESS: 421 ARIZONA SE PHONE: _____

CITY, STATE: ALBUQUERQUE, N.M ZIP CODE: 87108

ARCHITECT: ARAGON & ASSOCIATES CONTACT: EDWARD ARAGON

ADDRESS: 6913 SHOSHONE RD. NE PHONE: 505-843-6263

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87110

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CITY, STATE: _____ ZIP CODE: _____

PROFESSIONAL LICENSED SURVEYOR SIGNATURE LICENSE NO. DATE

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CITY, STATE: _____ ZIP CODE: _____

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT
X DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER/ARCHITECT CERT (TCL)
_____ ENGINEER/ARCHITECT (DRB SITE PLAN)
_____ OTHER

CHECK TYPE OF APPROVAL 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
_____ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

$50.00

RECEIVED
JUN 12 2015
LAND DEVELOPMENT SECTION

emailed Monica

WAS A PRE-DESIGN CONFERENCE ATTENDED:

_____ YES
_____ NO
_____ COPY PROVIDED

SUBMITTED BY: _____ DATE: 6/12/15

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 define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

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.

CITY OF ALBUQUERQUE

June 29, 2015

Verlyn Miller, PE
Miller Engineering Consultants
3500 Comanche NE Bldg. F
Albuquerque, NM 87110

Re: New Training & Storage Facility
421 Arizona St SE
Grading and Drainage Plan
Engineer's Stamp dated: 6-12-15 (L18D074)

Dear Mr. Miller,

Based upon the information provided in your submittal received 6/12/2015, the above referenced Grading and Drainage Plan cannot be approved for Grading Permit or Building Permit until the following comments are addressed.

- Provide how flows are leaving the FF pond. What is the pond bottom?
- Provide the type of surface in the south area. A look at the aerial map shows pavement. How will the flows exit this area?
- Provide a FF pond for the downspouts on the east side of the building.
- Provide a letter of approval from the owner to the north of this site for grading and paving in their property. Also provide a FF pond for this area. What does the hatched area represent?
- Sheet C-501 shows a typical pond section with a berm. Where is this berm located? If on the east side of the pond, how will the concrete channels enter the pond?
- Provide a basin map of the entire area.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.
Senior Engineer, Hydrology
Planning Department

RR/RH
C: email

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New Mexico 87103
www.cabq.gov