CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development Review Services

Richard J. Berry, Mayor

November 14, 2014

Verlyn Miller, PE
Miller Engineering Consultants
3500 Comanche NE
Albuquerque, NM 87107

RE: **Green Jeans Farmery** - 3600 Cutler Ave NE
Grading and Drainage Plan
Engineer's Stamp Date 11-13-2014 (File: H17D036A)

Dear Mr. Miller:

Based upon the information provided in your submittal received 11-13-14, the above referenced plan is approved for Building Permit.

Please attach a copy of this approved plan in the construction sets when submitting for a building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Since the disturbed area on this site exceeds 1.0 acre, an Erosion and Sediment Control (ESC) Plan, prepared by a NM PE and approved by the City's Stormwater Engineer, will be required for this site.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit for storm water discharge for disturbing one acre or more and a Topsoil Disturbance Permit for disturbing ¾ of an acre or more.

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Rita Harmon, P.E.
Senior Engineer, Planning Dept.
Development Review Services

Orig: Drainage file
c.pdf via email: Recipient, Monica Ortiz

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(Rev. 01/06)

PROJECT TITLE: GREEN JEANS FARMERY ZONE MAP/DRG. FILE # H-17-Z

DRB#: 14DRB-70029 EPC#: 14EPC-40036 WORK ORDER#:

LEGAL DESCRIPTION: TRACT A-1-B-1 SEACME ACRES

CITY ADDRESS: 3600 CUTLER AVE NE

ENGINEERING FIRM: MILLER ENGINEERING CONS. CONTACT: VERLYN MILLER

ADDRESS: 3500 COMANCHE NE PHONE: 888-7500

CITY, STATE: ALBUQUERQUE NM ZIP CODE: 87107

OWNER: ROY SOLOMON CONTACT

ADDRESS: 2929 MONTE VISTA NE PHONE: 401.1000

CITY, STATE: ALBUQUERQUE ZIP CODE: 87106

ARCHITECT: McCLAIN-ARCHITECTURE & DESIGN CONTACT: RAIMUND McCLAIN

ADDRESS: 2009 RIDGECREST PHONE: 217 8317

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87108

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
- _____ DRAINAGE PLAN 1st SUBMITTAL
- X 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
- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY (PERM)
- _____ CERTIFICATE OF OCCUPANCY (TEMP)
- _____ GRADING PERMIT APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ WORK ORDER APPROVAL
- X OTHER (SPECIFY) BUILDING PERMIT

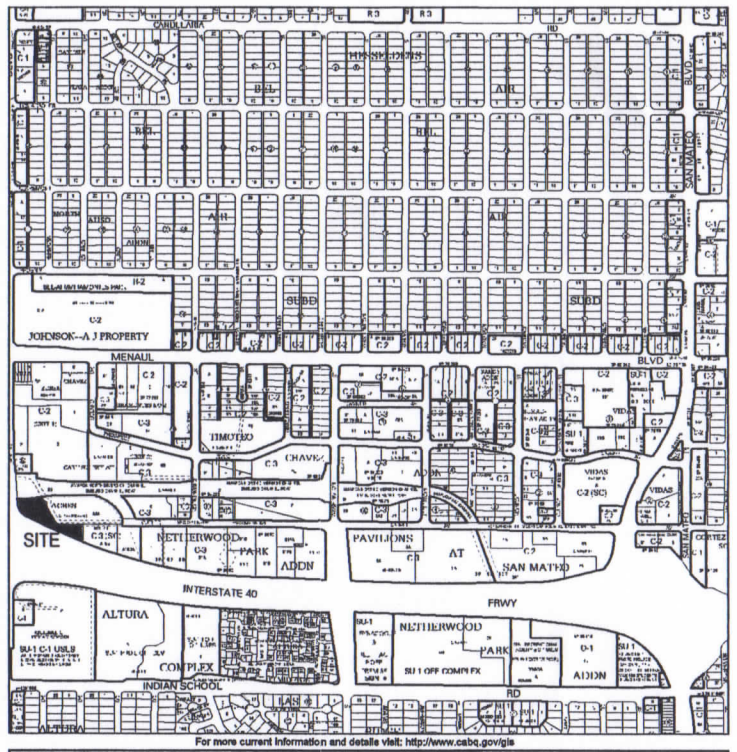
WAS A PRE-DESIGN CONFERENCE ATTENDED:

- X YES W/CURTIS CHURNE ON 10/8
- _____ NO
- _____ COPY PROVIDED

SUBMITTED BY: _____ DATE: 11/13/14

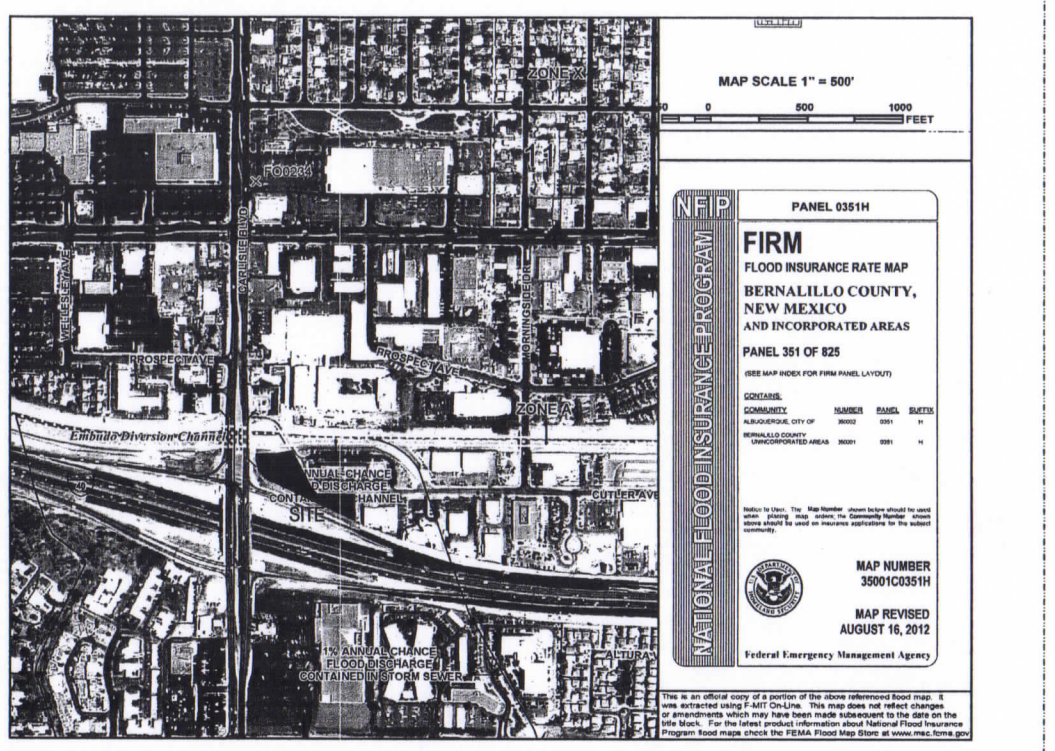
Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on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



C1 VICINITY MAP

ZONE ATLAS MAP H-17-C



A1 FLOOD ZONE MAP

FLOOD ZONE MAP: 35001C0351H

GRADING AND DRAINAGE NARRATIVE

THE EXISTING PROPERTY IS GENERALLY FLAT AND SLOPES FROM THE NORTHEAST ALONG CUTLER TO THE SOUTHWEST. THE DRAINAGE SHEET FLOWS INTO AN EXISTING DRAINAGE SWALE WITHIN THE NMDOT RIGHT OF WAY. THE DRAINAGE SWALE DISCHARGES TO THE NORTHWEST INTO AN EXISTING DROP INLET NEAR THE NORTHWEST CORNER OF THE SITE. THE SWALE RUNS PARALLEL WITH AN EXISTING RETAINING WALL THAT WAS CONSTRUCTED FOR THE OFF-RAMP FROM WEST BOUND I-40 ONTO CARLISLE BLVD AND NORTH BOUND CARLISLE BLVD. BOUNDING THE PROPERTY ON THE WEST AND SOUTH SIDE. THE RETAINING WALL VARIES IN HEIGHT FROM 4' TO 16'. THE NORTH SIDE OF THE PROPERTY IS BOUND BY A TRAIL THAT RUNS PARALLEL TO THE SOUTH SIDE OF THE EMBUDO DRAINAGE CHANNEL. THE NORTHEASTERN PORTION OF THE PROPERTY IS BOUND BY CUTLER AVENUE. THE EAST SIDE OF THE PROPERTY IS BOUND BY A DEVELOPED COMMERCIAL BUSINESS. THE PRIMARY ACCESS TO THE PROPERTY IS ALONG THE NORTHEASTERN SIDE OF THE TRACT FROM CUTLER AVENUE.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE STANDARD CURB AND GUTTER, RUNDOWNS, SIDEWALK CULVERTS AND CONCRETE SWALES ALLOWING STORMWATER INTO PROPOSED WATER HARVESTING AREA. THESE WATER HARVESTING AREAS WILL BE USED TO MANAGE THE FIRST FLUSH AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES. THE WATER THAT DISCHARGES INTO THE EXISTING SWALE ALONG THE SOUTH AND WEST SIDE OF THE SUBJECT PROPERTY WILL DISCHARGE INTO THE EXISTING MEDIAN DROP INLET THAT IS LOCATED NEAR THE NORTHWEST CORNER OF THE PROPERTY. THE EXISTING MEDIAN DROP INLET THEN DISCHARGES INTO THE EMBUDO CHANNEL.

THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD ZONE AS PER FEMA MAPS.

AS PER APPROVED MASTER GRADING AND DRAINAGE PLAN (H17/D36A) FOR ACME ACRES PHASE II BY CHAVEZ-GRIEVES DATED 10-01-2001 BASIN C (THIS SITE), HAS AN ALLOWABLE DISCHARGE OF 7.50 cfs. WITH THE PROPOSED IMPROVEMENTS AS OUTLINED IN THE PLAN, A PEAK DISCHARGE OF 4.95 cfs WILL BE GENERATED FOR THE 100 YEAR, 24 HOUR EVENT. THIS IS LESS THAN THE ALLOWABLE DISCHARGE IN THE APPROVED MASTER GRADING AND DRAINAGE PLAN.

AS PER APPROVED MASTER GRADING AND DRAINAGE PLAN (H17/D36A) FOR ACME ACRES PHASE II BY CHAVEZ-GRIEVES DATED 10-01-20 BASIN C AND BASIN G HAS AN ALLOWABLE DISCHARGE OF 13.11 cfs. FLOWS FROM BASINS C AND G ARE DIRECTED TO THE EXISTING DROP INLET LOCATED NEAR THE SOUTHEAST CORNER OF THIS PROPERTY. THE CAPACITY OF THE EXISTING INLET IS 67 cfs, WHICH IS SUBSTANTIALLY MORE THAN THE ALLOWABLE DISCHARGE RATE OF 13.11 cfs.

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 UTILITIES.
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.

DRAINAGE DATA

Precipitation Zone 2 - 100-year Storm P(360) = 2.33 in P(1440) = 2.67 in

Basin	Basin Area (Ac)	Land Treatment Factors A (Acres)	B (Acres)	C (Acres)	D (Acres)	Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
Existing Conditions									
C	1.49	1.49	0.00	0.00	0.00	0.53	0.066	0.066	2.32
Total	**1.49**								**2.32**
Proposed Conditions									
C	1.49	0.27	0.00	0.77	0.45	1.32	0.164	0.179	4.95
Total	**1.49**								**4.95**

Precipitation Zone 2 - 10-year Storm P(360) = 1.52 in P(1440) = 1.8 in

Basin	Basin Area (Ac)	Land Treatment Factors A (Acres)	B (Acres)	C (Acres)	D (Acres)	Ew (in)	V(10-6) (af)	V(10-24) (af)	Q(10) (cfs)
Existing Conditions									
C	1.49	1.49	0.00	0.00	0.00	0.13	0.016	0.016	0.57
Total	**1.49**								**0.57**
Proposed Conditions									
C	1.49	0.27	0.00	0.77	0.45	0.70	0.087	0.097	2.83
Total	**1.49**								**2.83**

1. EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PROVIDED BY JEFF MORTENSEN AND ASSOCIATES. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
2. PROJECT BENCHMARK IS ACS STA. 12_J16 LOCATED IN CARLISLE MEDIAN S. OF INDIAN SCHOOL RD. ELEV. 1551.879 m ELLIPTICAL (5091.45) (NAVD 1988)

   ACS STA. 14-H17 ON E. SIDE OF CONC. BRIDGE N. OF SITE. CITY OF ALBUQUERQUE SHOWS THIS STATION ABANDONED. REESTABLISHED ELEV. 5066.14
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 035H.
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.

MILLER ENGINEERING CONSULTANTS
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(505)888-3800 (FAX)
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WWW.MECNM.COM

MERLYN A. MILLER II NEW MEXICO 14507 REGISTERED PROFESSIONAL ENGINEER 11/13/14

PROJECT

GREEN JEANS CO.

GREEN JEANS FARMERY

ADDRESS

3600 CUTLER NE

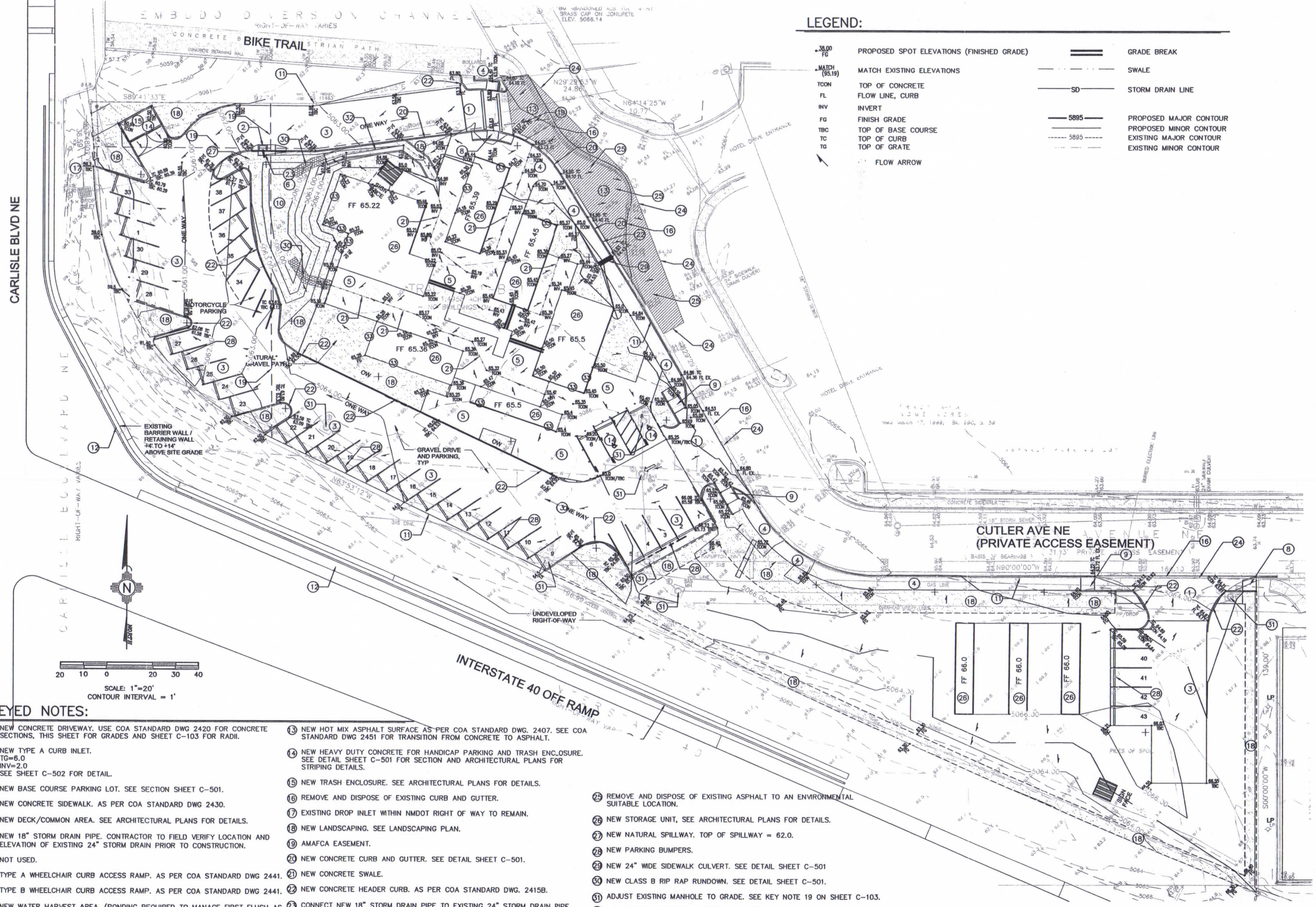
No.	Date	Description
2	11/13/14	Address Hydrology comments for BP
1	9/19/14	Address EPC comments for DRB meeting

Date 11/13/2014
Project Number
Project File
Drawn By JMJ
Checked By Checker

SHEET TITLE

GRADING & DRAINAGE REPORT

SHEET C-101



LEGEND:

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

KEYED NOTES:

1. NEW CONCRETE DRIVEWAY. USE COA STANDARD DWG 2420 FOR CONCRETE SECTIONS, THIS SHEET FOR GRADES AND SHEET C-103 FOR RADII.
2. NEW TYPE A CURB INLET. TG=6.0 INV=2.0 SEE SHEET C-502 FOR DETAIL.
3. NEW BASE COURSE PARKING LOT. SEE SECTION SHEET C-501.
4. NEW CONCRETE SIDEWALK. AS PER COA STANDARD DWG 2430.
5. NEW DECK/COMMON AREA. SEE ARCHITECTURAL PLANS FOR DETAILS.
6. NEW 18" STORM DRAIN PIPE. CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING 24" STORM DRAIN PRIOR TO CONSTRUCTION.
7. NOT USED.
8. TYPE A WHEELCHAIR CURB ACCESS RAMP. AS PER COA STANDARD DWG 2441.
9. TYPE B WHEELCHAIR CURB ACCESS RAMP. AS PER COA STANDARD DWG 2441.
10. NEW WATER HARVEST AREA. (PONDING REQUIRED TO MANAGE FIRST FLUSH AS DEFINED BY NEW COA DRAINAGE ORDINANCE)
11. APPROXIMATE LOCATION OF PROPERTY LINE.
12. EXISTING RETAINING WALL WITHIN NMDOT RIGHT OF WAY TO REMAIN.
13. NEW HOT MIX ASPHALT SURFACE AS PER COA STANDARD DWG. 2407. SEE COA STANDARD DWG 2451 FOR TRANSITION FROM CONCRETE TO ASPHALT.
14. NEW HEAVY DUTY CONCRETE FOR HANDICAP PARKING AND TRASH ENCLOSURE. SEE DETAIL SHEET C-501 FOR SECTION AND ARCHITECTURAL PLANS FOR STRIPING DETAILS.
15. NEW TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
16. REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER.
17. EXISTING DROP INLET WITHIN NMDOT RIGHT OF WAY TO REMAIN.
18. NEW LANDSCAPING. SEE LANDSCAPING PLAN.
19. AMAFCA EASEMENT.
20. NEW CONCRETE CURB AND GUTTER. SEE DETAIL SHEET C-501.
21. NEW CONCRETE SWALE.
22. NEW CONCRETE HEADER CURB. AS PER COA STANDARD DWG. 2415B.
23. CONNECT NEW 18" STORM DRAIN PIPE TO EXISTING 24" STORM DRAIN PIPE. CONTRACTOR SHALL FIELD VERIFY ELEVATION AND LOCATION OF EXISTING 24" STORM DRAIN PIPE PRIOR TO CONSTRUCTION.
24. SAWCUT EXISTING PAVEMENT TO CLEAN STRAIGHT EDGE, REMOVE, DISPOSE AND REPLACE EXISTING ASPHALT PAVEMENT AS REQUIRED FOR INSTALLATION OF NEW CONCRETE CURB AND GUTTER OR CONCRETE VALLEY GUTTER AND CONCRETE FILLETS.
25. REMOVE AND DISPOSE OF EXISTING ASPHALT TO AN ENVIRONMENTAL SUITABLE LOCATION.
26. NEW STORAGE UNIT, SEE ARCHITECTURAL PLANS FOR DETAILS.
27. NEW NATURAL SPILLWAY. TOP OF SPILLWAY = 62.0.
28. NEW PARKING BUMPERS.
29. NEW 24" WIDE SIDEWALK CULVERT. SEE DETAIL SHEET C-501
30. NEW CLASS B RIP RAP RUNDOWN. SEE DETAIL SHEET C-501.
31. ADJUST EXISTING MANHOLE TO GRADE. SEE KEY NOTE 19 ON SHEET C-103.
32. NEW CONCRETE CHANNEL. SEE DETAIL SHEET C-501.
33. APPROXIMATE LOCATIONS OF ROOF DRAINS.

A1 GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'

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KERYN A. MILLER
NEW MEXICO
14507
REGISTERED PROFESSIONAL ENGINEER
11/13/14

PROJECT

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GREEN JEANS FARMERY

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Project Number	
Project File	
Drawn By	JMJ
Checked By	Checker

SHEET TITLE

GRADING & DRAINAGE PLAN

C-102
SHEET