

Richard J. Berry, Mayor

November 21, 2017

Ronald Bohannan, P.E. Tierra West, LLC 5571 Midway Park Place NE Albuquerque, NM, 87109

## RE: Multi-Use Recreational Facility Grading and Drainage Plan Stamp Date: 10/30/17 Hydrology File: F16D003E1

Dear Mr. Bohannan:

PO Box 1293 Based upon the information provided in your submittal received 11/07/2017, the Grading and Drainage Plan **is not** approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

### Albuquerque

NM 87103

- 1. Sheet C3. Please provide the flood plain effective date to the FIRM information.
- 2. Sheet C3 & C4. Please label both streets "Montano Rd" and "Interstate 25".
- 3. Sheet C3 & C5. Please provide a cross section from the Pickle Ball Courts through Desert Surf Circle.

- 4. Sheet C3 & C5. Please provide a cross section from the southeast Youth Field through the parking area uphill.
- 5. Sheet C3. There are missing grades near Desert Surf Circle by the Youth Field. Please add them.
- 6. Sheet C3. The proposed grades in the area of the southeast Youth Field and the parking area uphill need to tie back into the existing grades. Please fix them.
- 7. Sheet C3. In general I noticed that some of the proposed grades need to tie back into the existing grades. Please fix them.



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8. Sheet C3. In general, there are a lot of grading being done and this sheet is very busy. Please rescale the Grading Plan to have a maximum scale of 1"=40' or 1"=30' so that it is readable. 9. Sheet C3 & C4. Some of your grade arrows are pointing up gradient. Please correct. 10. Sheet C3. Under the Proposed Drainage Management Plan, it states that it will continue using the existing drainage system designed for the original Beach Waterpark development with some modifications. What drainage system is this referring to and what modifications? 11. Sheet C3. Under the Proposed Drainage Management Plan, Please add the words "approved Drainage Report dated 9/15/15 by Tierra West." 12. Sheet C3. Under the Proposed Drainage Management Plan, it talks about the proposed detention pond. This is in fact a proposed retention pond. Please change the wording. 13. Sheet C3 & C4. Under the Proposed Drainage Management Plan, it states that the off-site drainage from I-25 will now be directed back to the proposed detention pond. Please label the portion of the existing storm sewer after the proposed manhole as "abandoned in place". 14. Sheet C3. Under the Proposed Drainage Management Plan, Basin 4 talks about into a series of drop inlets and conveyed to the detention pond. Please show this proposed storm sewer system on Sheet C4. 15. Sheet C3. Please add a note as how all disturbed areas are to be revegetated. 16. Sheet C4. Under the Weighted E Method for Basin 1. Please verify that the Youth Fields will produce a 26% Treatment B. This may be more. 17. Sheet C4. Under the Weighted E Method for Basin 1. The Pickle Ball Courts should be Treatment D, therefore the percentage for Treatment D should reflect this. 18. Sheet C4. Please show all calculations for the Off-site Basins or where the runoff calculations were obtained. See attachment #2. 19. Sheet C4. Please show all off-site basins that contribute to the existing storm sewer

on Desert Surf Circle that is going into the proposed Retention Pond.

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20. Sheet C4. Please add all Drainage Easements per recorded plat. See attachment #1. Also show recording information on Grading Plan.									
21. Sheet C4. Please provide all Street Capacity calculations to show that the existing streets can handle the additional proposed runoff.									
22. Sheet 4. At both proposed driveways on Desert Surf Circle, please provide the drainage area and calculations of the Q at each driveway.									
23. Sheet 4. Please provide the existing inlet capacity calculations. If the current inlets cannot handle the additional proposed runoff, then additional inlets may be required.									
24. Sheet 4. Please provide the existing storm sewer pipe capacity calculations on Desert Surf Circle with both EGL and HGL calculations. If the current storm sewer cannot handle the additional proposed runoff, then new public storm pipe may be required.									
25. Sheet C4. Prior to Hydrology's approval of the above referenced project for building permit, the following needs to approved and recorded:									
<ul><li>a. Need to record the proposed 20 feet Public Drainage Easement.</li><li>b. Need to build the proposed Public storm sewer system which must be accepted by the City.</li></ul>									
c. A DRB submittal may be required for an approval of an Infrastructure List for the Proposed Public Storm Sewer System and an SIA must be recorded. If there is not going to be an approved Infrastructure List, then add a note that states, "Prior to Certificate of Occupancy the public infrastructure must be constructed and accepted by the City." and also list the public infrastructure.									
d. DRC Work Construction documents for the Proposed Public storm sewer system needs to be submitted and approved. These drawings must include a profile of this Public storm sewer system with both EGL and HGL along with the calculations for them. This construction documents must be submitted to the DRC for approval.									
<ul> <li>e. Need to vacate the portion of the existing 20 feet Public Drainage Easement once the City has accepted the installation of the proposed Public storm sewer system.</li> </ul>									
26. Sheet C4. Drainage Basins need to be revised. For example, a large portion of Basin 5 sheet drains directly into Basin 4. So this section of Basin 5 should be part of Basin 4. Also a section of Basin 3 sheet drains directly into Basin 4. So this section of Basin 3 should be part of Basin 4.									

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27. Sheet C4. Please provide first flush calculations and how the proposed detention pond is going to handle this volume.
28. Sheet C4. Please label the proposed retention pond area.
29. Sheet C4. Please provide the calculations for the retention pond area (the 100 year 10 day) showing the required volume and the provided volume.
30. Sheet C4. Please provide the calculation for the 100 year HGL and EGL through the proposed public storm pipe which is part of the DRC work order.
31. Sheet C4. Please provide the detail of the outfall structure into the detention pond from the existing McDonald's site.
32. Sheet C3 & C4. Please provide a private drainage easement centered along the both the existing storm sewer from the existing McDonald's site and the proposed storm sewer entering the proposed pond. This easement should be stated on the Grading Plan as to be for the benefit of the McDonald's site (please label the legal description of the property) with the recording information of the private easement.
33. Sheet C3 & C4. Please provide a public drainage easement around the proposed retention pond. Please include the recording information for the Public Drainage Easement on the Grading Plan.
34. Sheet C3 & C4. An Agreement and Covenant for the Public Drainage Easement for the proposed retention pond will have to be recorded prior to Hydrology's approval for Building Permit. Please include the recording information for the Agreement and Covenant on the Grading Plan.
35. Sheet C5. Section A, Please show the capacity of the first flush volume in the proposed detention pond. Also provide the 100 year water surface elevation for the 10 day storm.

36. Sheet C5. Section D, E, & F. Please provide the property line and label either I-25 ROW or Lot A.

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If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

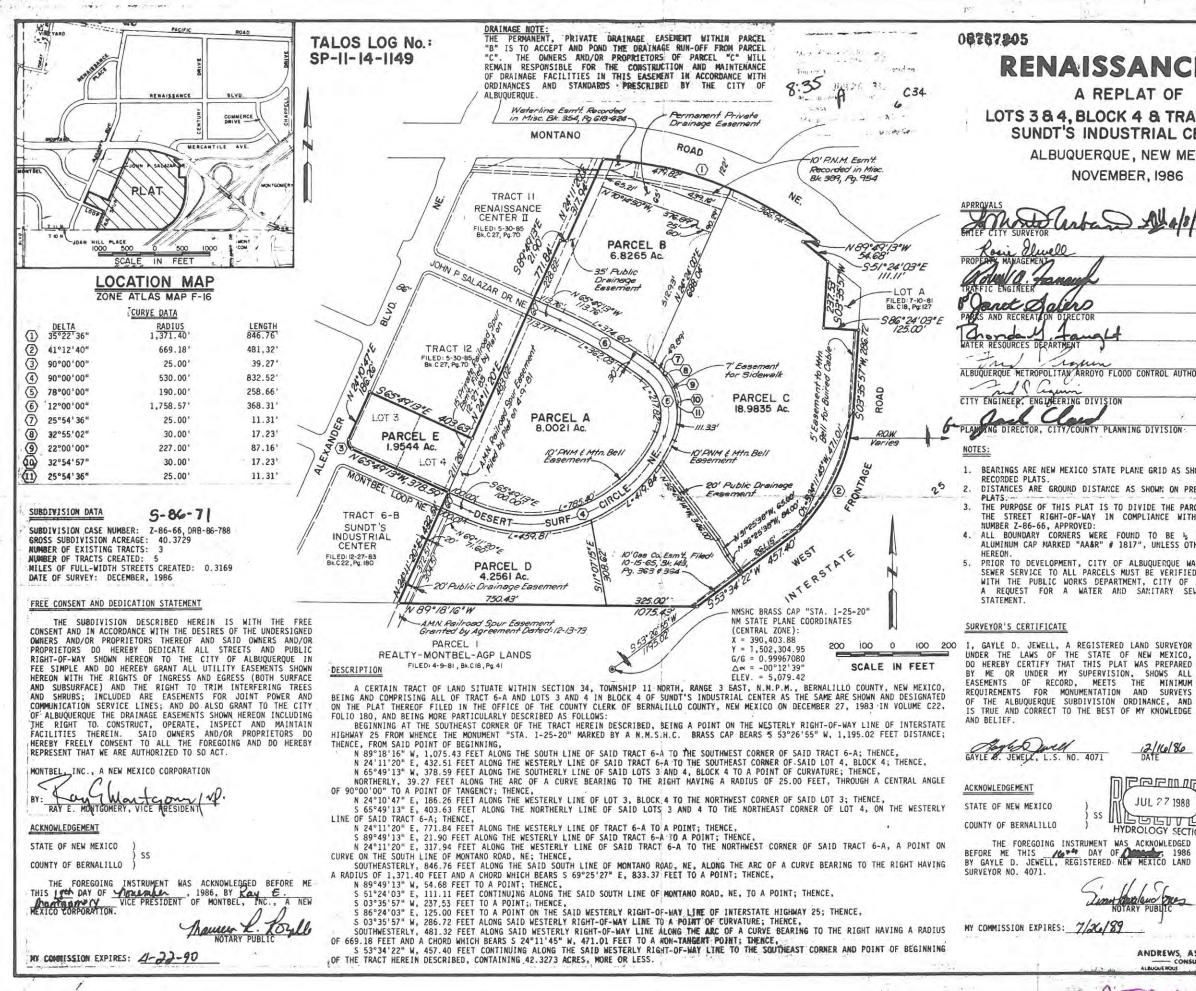
Renée C. Brissette

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department

PO Box 1293

Albuquerque

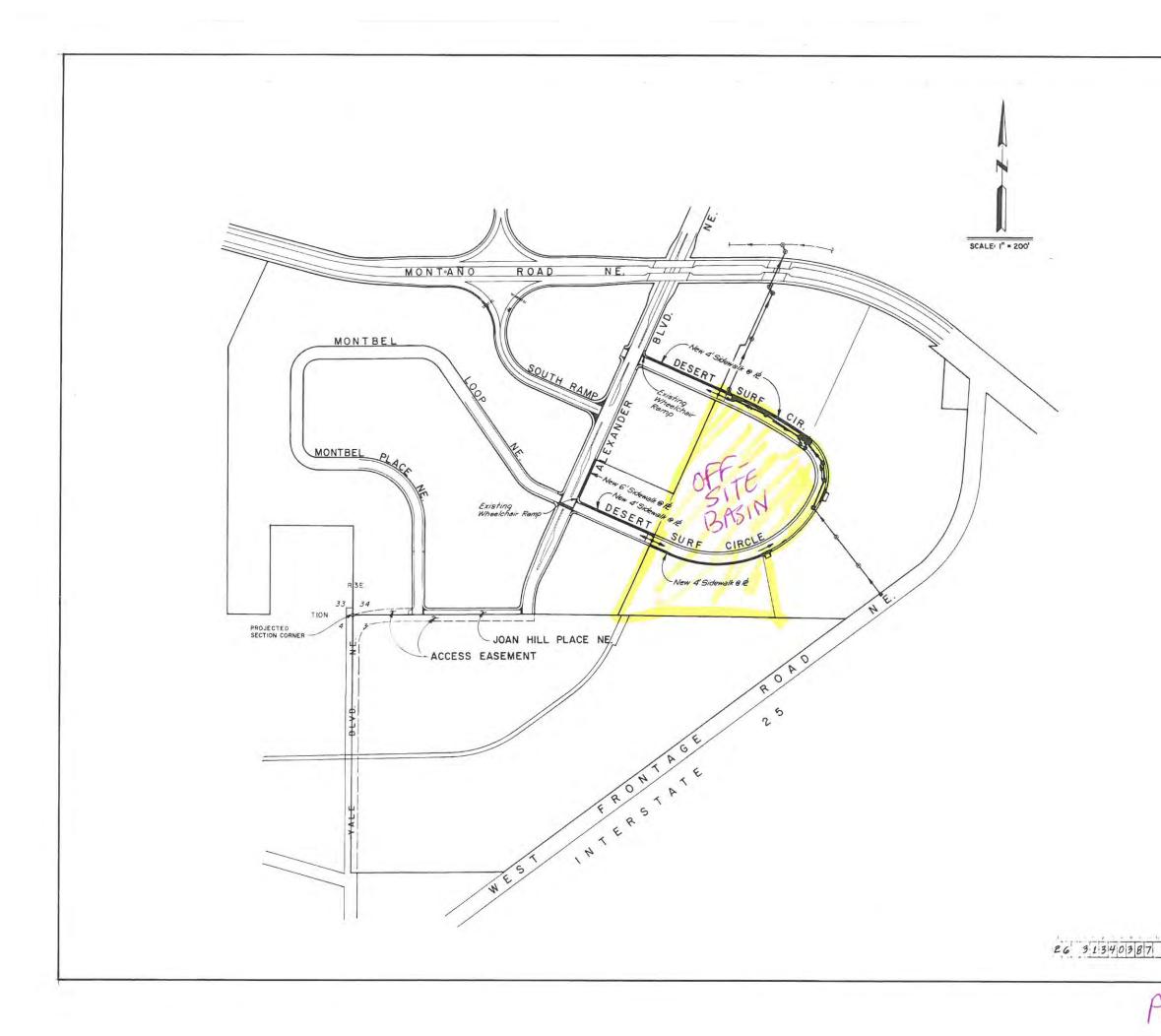
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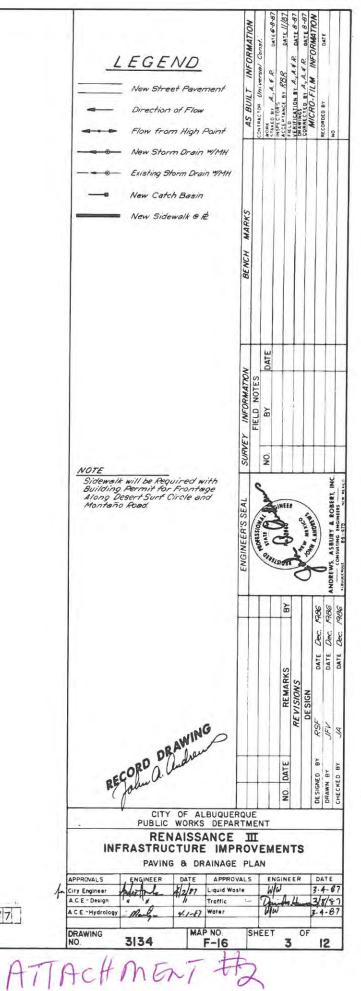


Line -

Style 24 - Sheets American

RENAISSANCE III A REPLAT OF LOTS 3 8 4, BLOCK 4 8 TRACT 6-A OF SUNDT'S INDUSTRIAL CENTER ALBUQUERQUE, NEW MEXICO NOVEMBER, 1986 to arban Al 4/0/67 12/11/86 12/15/86 DATE 12-16-00 12-16-86 DATE 12.16.36 G =/9-8-DATE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY nc 6-19-8 DATE 6-25-87 G DIRECTOR, CITY/COUNTY PLANNING DIVISION BEARINGS ARE NEW MEXICO STATE PLANE GRID AS SHOWN ON PREVIOUSLY DISTANCES ARE GROUND DISTANCE AS SHOWN ON PREVIOUSLY RECORDED THE PURPOSE OF THIS PLAT IS TO DIVIDE THE PARCELS AND DEDICATE THE STREET RIGHT-OF-WAY IN COMPLIANCE WITH ZONING REQUEST NUMBER Z-86-66, APPROVED: ALL BOUNDARY CORNERS WERE FOUND TO BE & INCH REBAR WITH ALLMINUM CAP NARKED "AA&R" # 1817", UNLESS OTHERWISE INDICATED PRIOR TO DEVELOPMENT, CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO ALL PARCELS MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE, VIA REQUEST FOR A WATER AND SAMITARY SEVER AVAILABILITY STATE OF STATE OF UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND No. 4071 WAW MEXIC TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE CATLE JEWEL 12/16/86 PRPM /re JUL 27 1988 SS ULSIGISTIC HYDROLOGY SECTION THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 10 M DAY OF 1986 BY GAYLE D. JEWELL, REGISTERED NEW MEXICO LAND ANDREWS, ASBURY & RODERT INC CONSULTING ENGINEER



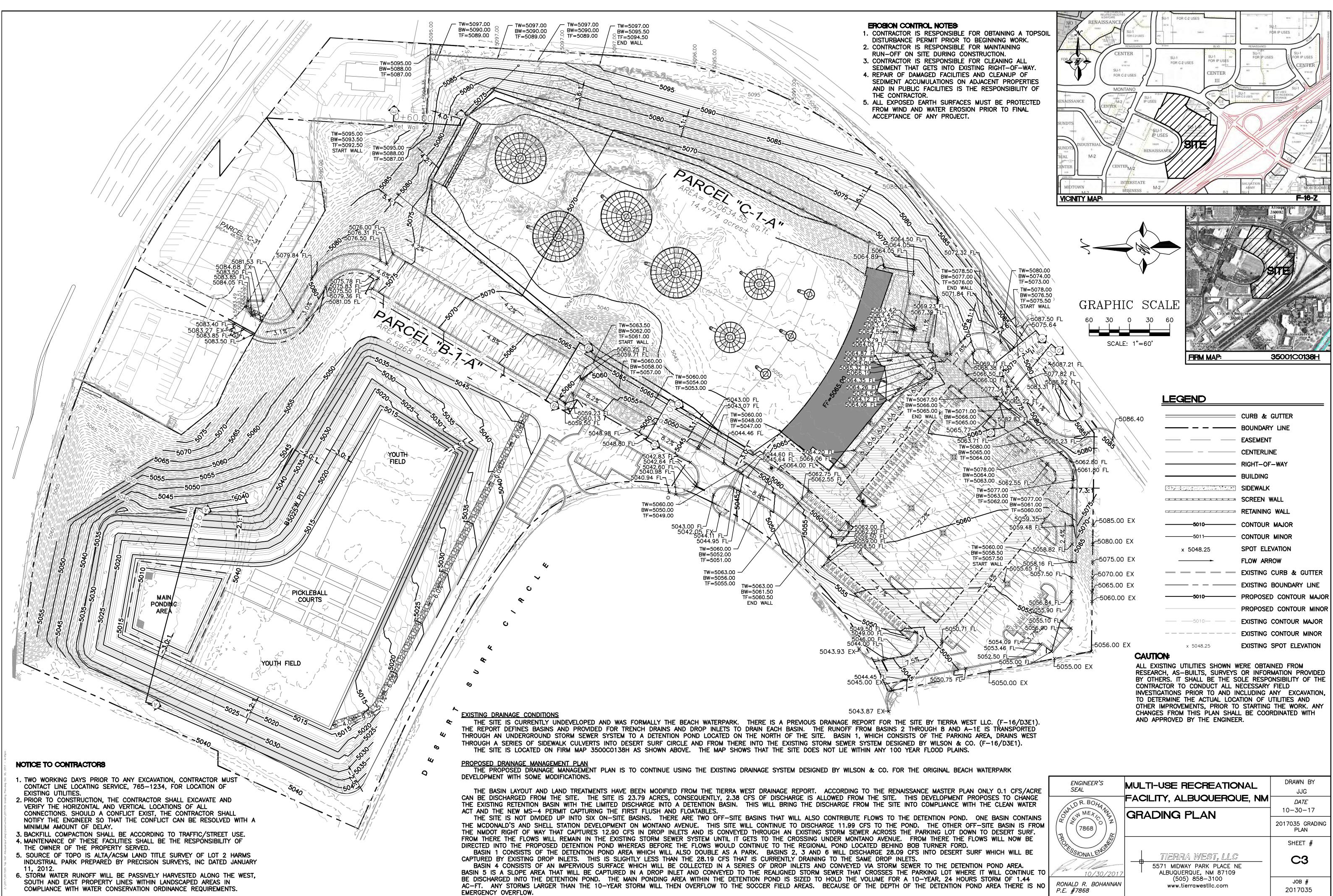


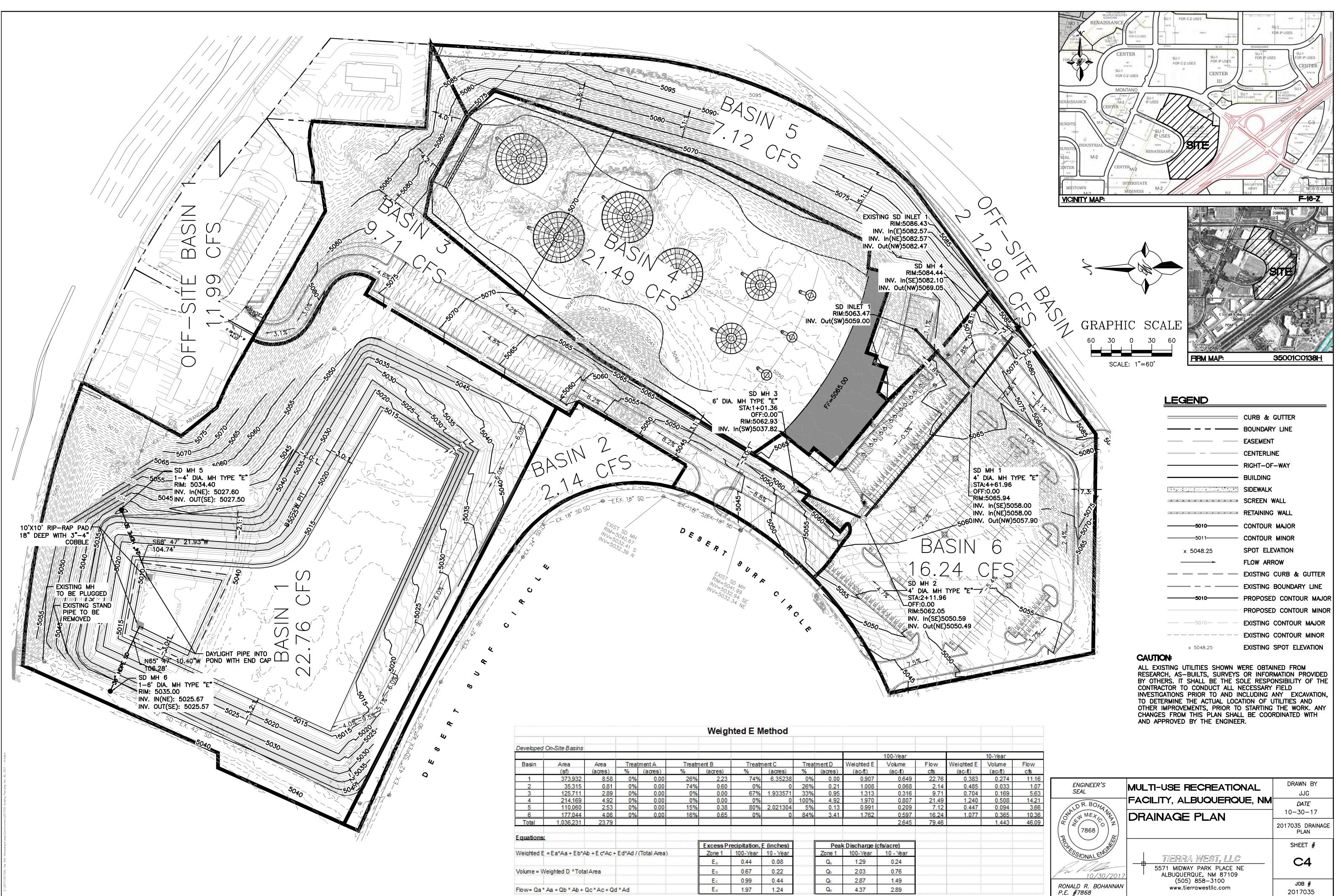


## City of Albuquerque

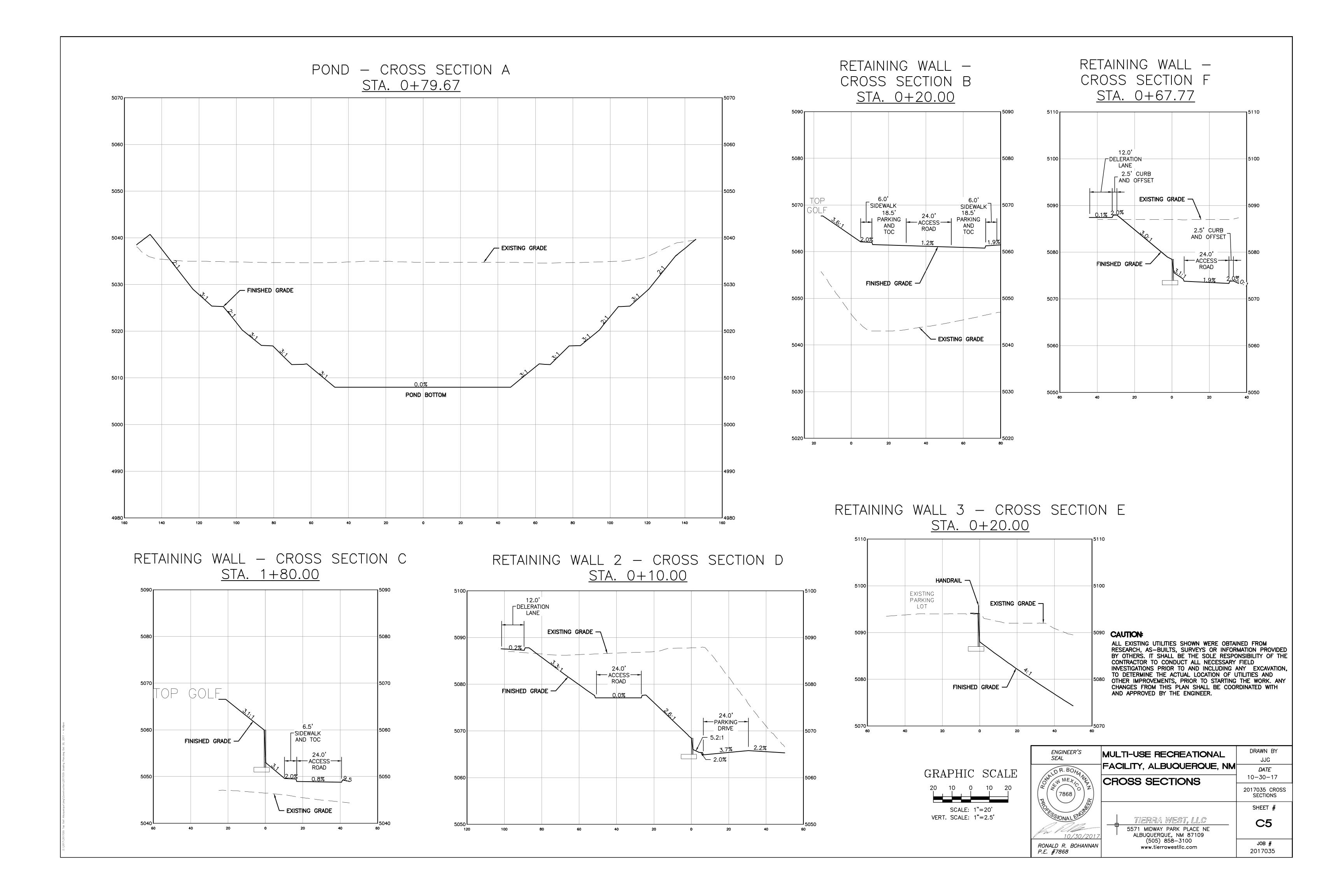
Planning Department Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

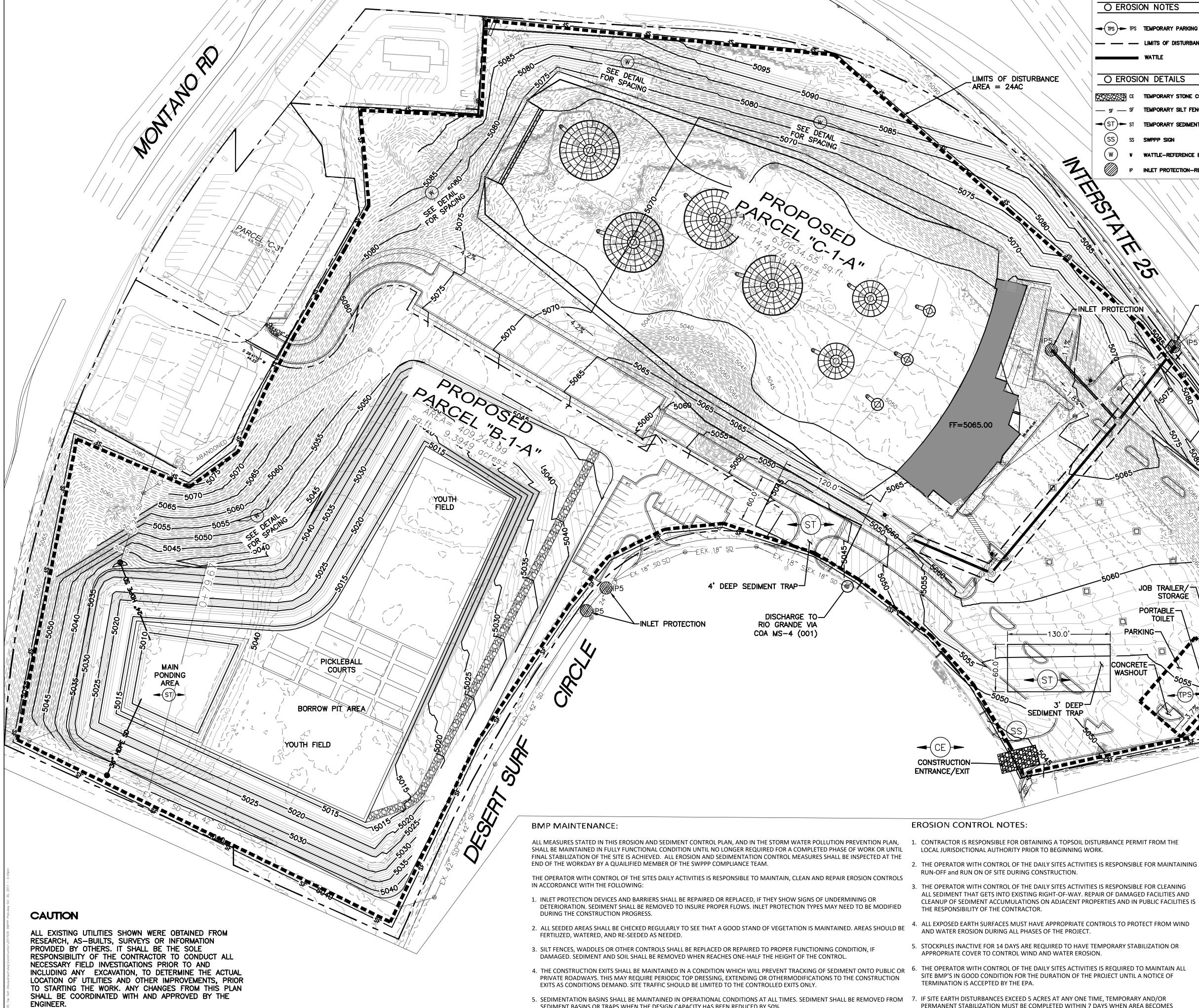
		ermit #: Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description: Parcel B-1 Plat of Parce		λ B-1
City Address:1600 Desert Surf Cir. NE Alb	uquerque NM 87107	
Applicant: Tierra West, LLC		Contact: Jonathan Niski
Address: Midway Park Place NE Albuque	rque NM 87109	
Phone#: 505-858-3100	Fax#:	605-858-1118 E-mail: jniski@tierrawestllc.com
Other Contact:		Contact:
Address:		
Phone#:	Fax#:	E-mail:
Check all that Apply:		
DEPARTMENT:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT
X HYDROLOGY/DRAINAGE		X BUILDING PERMIT APPROVAL
TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CON	TROL	CERTIFICATE OF OCCUPANCY
TYPE OF SUBMITTAL:		PRELIMINARY PLAT APPROVAL
ENGINEER/ARCHITECT CERTIFICA	ATION	SITE PLAN FOR SUB'D APPROVAL
		SITE PLAN FOR BLDG. PERMIT APPROVA
CONCEPTUAL G & D PLAN		FINAL PLAT APPROVAL
X GRADING PLAN		
DRAINAGE MASTER PLAN		SIA/ RELEASE OF FINANCIAL GUARANTE
DRAINAGE REPORT		FOUNDATION PERMIT APPROVAL
CLOMR/LOMR		GRADING PERMIT APPROVAL
		SO-19 APPROVAL
TRAFFIC CIRCULATION LAYOUT	(TCL)	PAVING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)		GRADING/ PAD CERTIFICATION
EROSION & SEDIMENT CONTROL	PLAN (ESC)	WORK ORDER APPROVAL
OTHER (SPECIEV)		CLOMR/LOMR
OTHER (SPECIFY)		PRE-DESIGN MEETING?
IS THIS A RESUBMITTAL?: Yes	No	OTHER (SPECIFY)
DATE SUBMITTED	Bv.	





Developed	On-Site Basins												
												100-Year	
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flo
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-t)	C
1	373,932	8.58	0%	0.00	26%	2.23	74%	6.35238	0%	0.00	0.907	0.649	1.4
2	35,315	0.81	0%	0.00	74%	0.60	0%	0	26%	0.21	1.008	0.068	
3	125,711	2.89	0%	0.00	0%	0.00	67%	1.933571	33%	0.95	1.313	0.316	
4	214,169	4.92	0%	0.00	0%	0.00	0%	0	100%	4.92	1.970	0.807	- 2
5	110,060	2.53	0%	0.00	15%	0.38	80%	2.021304	5%	0.13	0.991	0.209	
6	177,044	4.06	0%	0.00	16%	0.65	0%	0	84%	3.41	1.762	0.597	e
Total	1,036,231	23.79			-							2.645	1
Equations	<b>L</b>												
						Excess Pr	ecipitation,	E (inches)		Peal	k Discharge (cfs/acre)		
Weighted E	= Ea*Aa + Eb*A	b + E c*Ac +	Ed*Ad /	(Total Area)		Zone 1	100-Year	10-Year		Zone 1	100-Year	10 - Year	
						Ea	0.44	0.08		Q	1.29	0.24	
Volume = Weighted D *Total Area					Еь	0.67	0.22		Q	2.03	0.76		
						Ec	0.99	0.44		G	2.87	1.49	
Flow= Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad						Ed	1.97	1.24		Q	4.37	2.89	





- SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- 6. REFERENCE THE SWPPP BOOK FOR ALL EROSION CONTROL MAINTENANCE PROCEDURES AND FREQUENCIES. CONSULT THE SWPPP PREPARER WITH ANY QUESTIONS REGARDING THIS SWPPP AND ITS REQUIREMENTS.

- LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
- 3. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS
- 5. STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR
- SITE BMP'S IN GOOD CONDITION FOR THE DURATION OF THE PROJECT UNTIL A NOTICE OF
- PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.

## **O EROSION NOTES**

- (TPS) - TPS TEMPORARY PARKING AND STORAGE LIMITS OF DISTURBANCE

## O EROSION DETAILS

- TEMPORARY STONE CONSTRUCTION EXIT CE CE
- TEMPORARY SILT FENCE — SF — SF
- TEMPORARY SEDIMENT TRAP

57

JOB TRAILER/

PORTABLE -

PARKING-

CONCRETE

WASHOUT

TOILET

STORAGE

(SS)

(w)

- WATTLE-REFERENCE EC-2 FOR SPACING
- INLET PROTECTION-REFERENCE EC-2 FOR TYPE

-INLET PROTECTION

**GENERAL EROSION NOTES:** 

- A. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SWPPP BOOK, THE 2017 GENERAL CONSTRUCTION PERMIT. THIS DRAWING ("TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN"), STANDARD DETAILS ("TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS"), EPA NOTICE OF INTENT PERMIT AND ALL SUBSEQUENT REPORTS, CORRECTIVE ACTIONS AND EROSION CONTROL RELATED DOCUMENTS.
- B. ALL OPERATORS AS DESIGNATED, CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE ACTIVITIES RELATED TO STORM WATER POLLUTION PREVENTION SHALL REVIEW A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE 2017 CONSTRUCTION GENERAL PERMIT, THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CLEAN WATER ACT OF 1972 AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. THE OPERATOR IN CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THAT MAY OCCUR AT NO ADDITIONAL COST TO PROJECT OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO ALL FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. OPERATOR WITH CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, LOCAL JURISDICTIONAL AUTHORITY OR SWPPP COMPLIANCE INSPECTOR.
- THE TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN IS A WORKING DOCUMENT AND IS REQUIRED TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGES WHEN BMP'S ARE REPAIRED. RELOCATED OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REPAIRS, RELOCATIONS OR REMOVALS. AN ACTIVE COPY OF THE PLAN SHALL BE POSTED IN THE JOB SITE TRAILER ONSITE AND MUST BE MAINTAINED CURRENT AT ALL TIMES.
- . CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.
- G. CONTRACTOR SHALL DENOTE ON THIS PLAN, THE LOCATION OF TEMPORARY PARKING, STORAGE, PORTABLE SANITARY FACILITIES, OFFICE TRAILERS, AND ALL SUPPORT AREAS. RELOCATIONS OF EACH SHALL ALSO BE DOCUMENTED AS THEY OCCUR.
- H. ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE WITH PROPER CONTAINMENT AND DISPOSED OF PROPERLY WHEN CAPACITY REACHES 50% OR PER VENDOR RECOMMENDATIONS. VENDORS AND TRADESMEN SHALL BE INFORMED OF THE REQUIREMENTS TO USE THE WASH OUT.
- A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN A QUANTITY THAT MAY WITHIN REASONABLE PROBABILITY CAUSE, INJURE OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL OR PLANT LIFE, OR PROPERTY; OR INTERFERE WITH THE PUBLIC WELFARE MUST BE REPORTED TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT HOTLINE AT (505) 827-9329 FOR EMERGENCIES OR FOR NON EMERGENCIES AT (866)-428-6535.
- IF UNSURE IF THE SPILL IS OF A SIGNIFICANT QUANTITY, THE SPILL SHOULD BE REPORTED TO THE HOTLINE AND INFORMATION PROVIDED WITH DETAILS OF THE SPILL FOR FURTHER ACTIONS.
- DUST DURING CONSTRUCTION OPERATIONS SHALL BE FREQUENTLY CONTROLLED BY WATER SUPPRESSION METHODS ONLY, EARTH DISTURBING OPERATIONS SHALL CEASE IF HIGH WINDS ABOVE 35 MPH ARE PRESENT. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS IS STRICTLY PROHIBITED. OTHER CHEMICALS USED FOR DUST SUPPRESSION MUST BE APPROVED BY THE EPA PRIOR TO THEIR USE.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED, COVERED, LEAK PROOF CONTAINERS. CONTAINERS SHALL BE DISPOSED OF PROPERLY WHEN CAPACITY IS REACHED. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER.
- ALL STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.
- M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 DAYS, SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING THESE AREAS.
- N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL HAVE PERMANENT CONTROLS IN PLACE NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- O. IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE. THEN THE LENGTH OF THE EXIT SHOULD BE EXTENDED TO PROVIDE ADDITIONAL TIRE ROTATIONS, LARGER ROCK MAY BE USED TO CREATE A SUFFICIENT JARRING MOTION OR INSTALL A TIRE WASH OFF WITH A SEDIMENT TRAP BEFORE LEAVING THE SITE.
- P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- Q. THE OPERATOR IN CHARGE OF THE DAILY SITES ACTIVITIES WILL BE RESPONSIBLE FOR REMOVING SEDIMENT OR SOILS ACCUMULATING MORE THAN 50% OF THE DESIGN CAPACITY IN DETENTION PONDS, SILT FENCING OR OTHER SIMILAR EROSION CONTROLS.
- R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, AS REQUIRED PER THE CONSTRUCTION GENERAL PERMIT. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE ESC PLAN AND PERMITTED IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTIONAL CONTROL.
- SLOPES SHALL BE LEFT WITH CROSS SLOPE GRADING PATTERN AND IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION RILLS. EXCESSIVE SLOPES MAY REQUIRE ADDITIONAL INDUSTRY STANDARD CONTROLS TO PREVENT EROSION.
- . DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE OPERATOR IN CONTROL OF THE SITE'S DAILY ACTIVITIES SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING ALL EROSION CONTROL TO PREVENT EROSION T.
- I. ALL DISTURBED AREAS SHALL BE SUPPRESSED BY WATER AND ALL CONTROLS LEFT IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY, THIS INCLUDES REPLACEMENT OF SILT FENCING AND/OR OTHER SURFACE CONTROLS, TRACK OUT SWEPT CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.
  - **SEQUENCE OF CONSTRUCTION:**
  - L. INSTALL STABILIZED CONSTRUCTION ENTRANCES. POST PUBLIC NOTICE PER DETAIL
  - INSTALL DOWN GRADIENT PERIMETER CONTROLS. INSTALL SEDIMENT CONTROLS AT INLETS AND DRAINAGE STRUCTURES.
  - INSTALL SEDIMENT TRAP BASINS INCLUDING EMERGENCY OVERFLOW.
  - 6. NOTIFY SWPPP COMPLIANCE INSPECTOR OF COMPLETION OF
  - THE ABOVE. 7. BEGIN GRUBBING AND SOIL DISTURBING ACTIVITIES.
  - PROVIDE POSITIVE GRADES TOWARDS SEDIMENT PONDS DURING SITE GRADING.
  - 9. INSTALL INTERMEDIATE CONTROLS OF STEEP SLOPES. 10. PROVIDE TEMPORARY STABILIZATION OF DISTURBED AREAS OR STOCKPILES.
  - 11. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES. 12. FINISH GRADING THE SITE. 13. COMPLETE SITE FINAL STABILIZATION

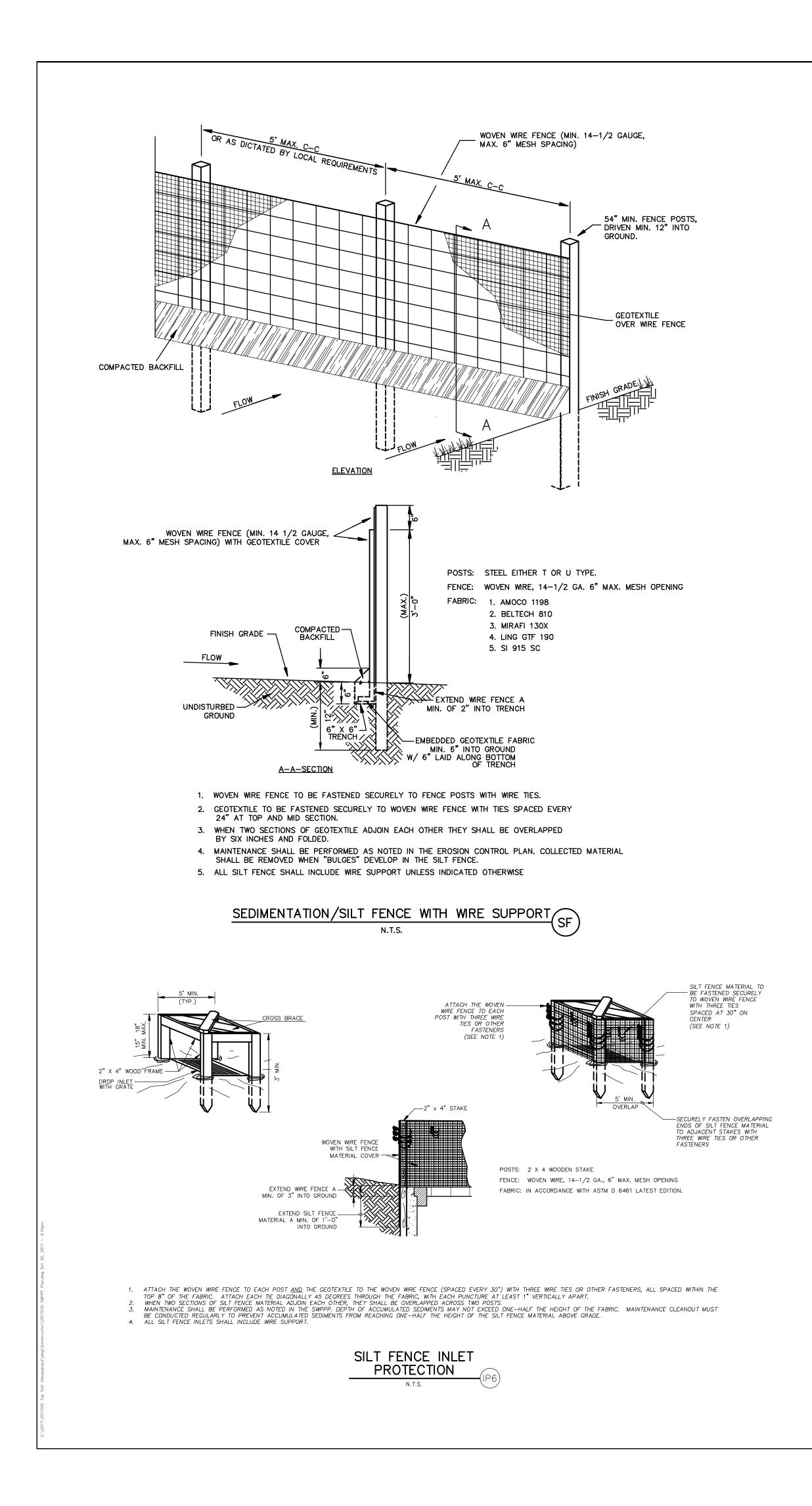
JOB #

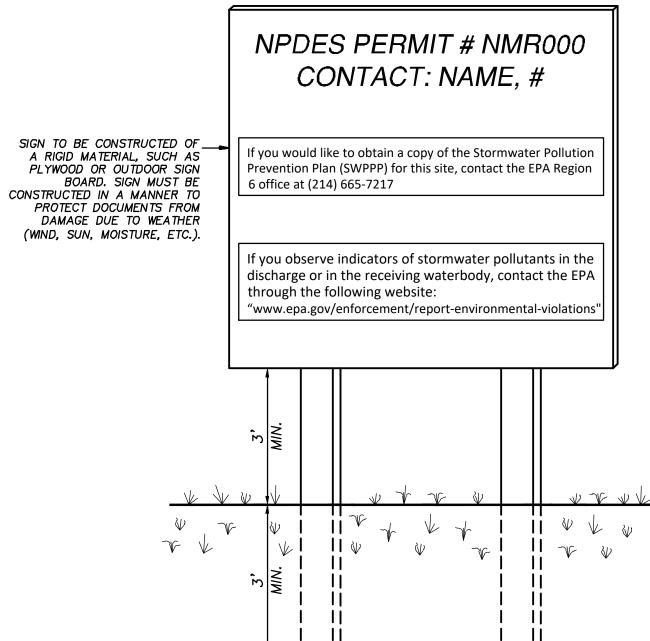
2017035

DRAWN BY ENGINEER'S MULTI-USE RECREATIONAL SEAL JJC FACILITY, ALBUQUERQUE, NM DATE 10/9/17 MEX **EROSION CONTROL** PLAN 2017035 SWPPF 7868) SHEET # SONAL TIERRA WEST. LLC EC-1

SCALE: 1"=60' 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 10/30/201(505) 858–3100 RONALD R. BOHANNAN www.tierrawestllc.com P.E. #7868

GRAPHIC SCALE





## SWPPP POSTING REQUIREMENTS:

You must post a sign or other notice of your permit coverage at a safe, publicly accessible location in close proximity to the construction site. The notice must be located so that it is visible from the public road that is nearest to the active part of the construction site, and it must use a font large enough to be readily viewed from a public right-of-way.

At a minimum, the notice must include:

1) The NPDES ID (*i.e.*, permit tracking numbers assigned to the project)

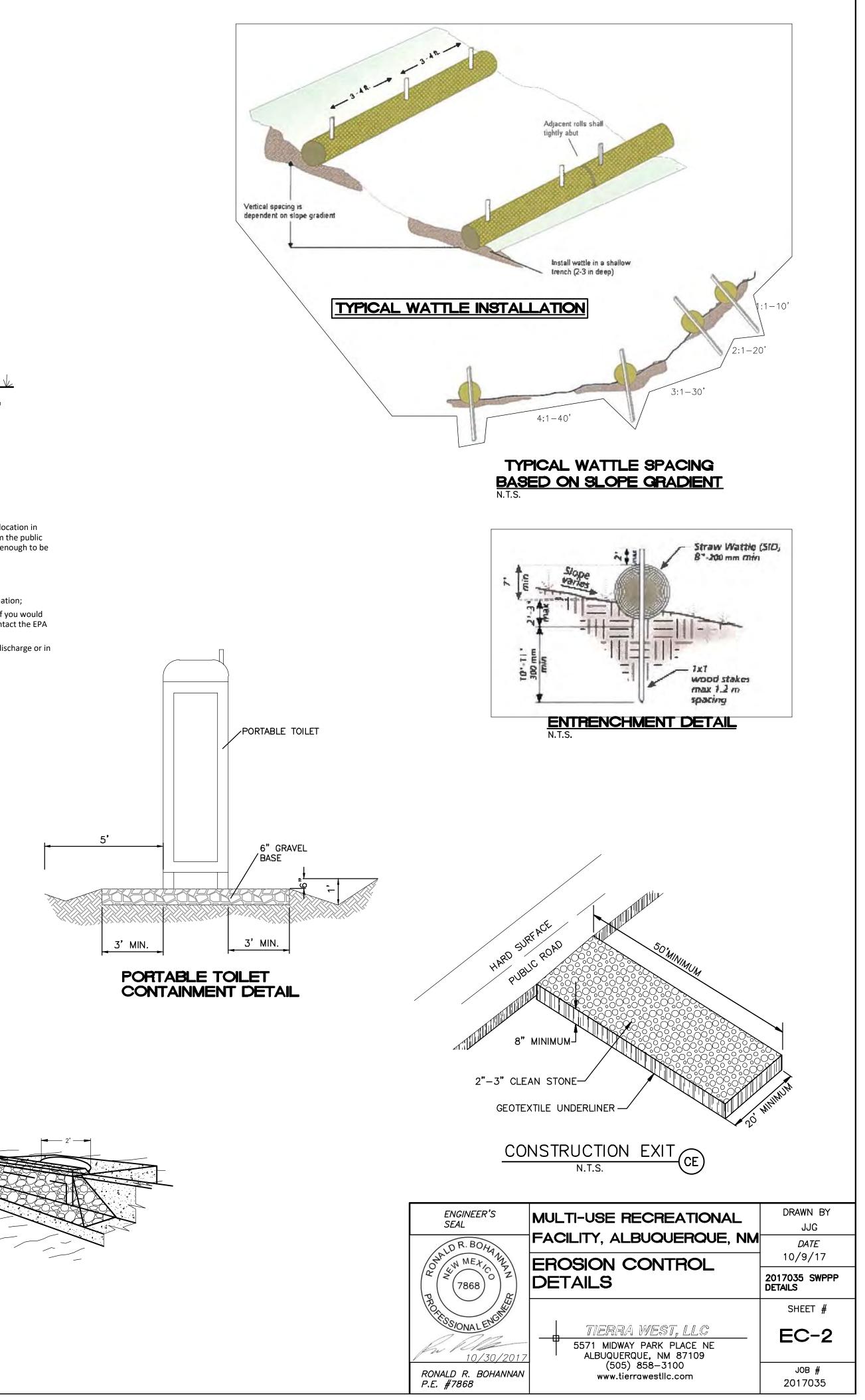
2) A contact name and phone number for obtaining additional construction site information;

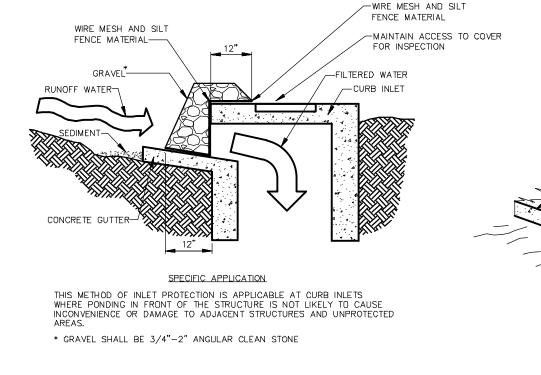
3) A website where a copy of the SWPPP may be viewed or the following statement: "If you would like to obtain a copy of the Stormwater Pollution Prevention Plan (SWPPP) for this site, contact the EPA Region 6 office at (214) 665-7217" and;

4) The following statement "If you observe indicators of stormwater pollutants in the discharge or in the receiving waterbody, contact the EPA through the following website: "www.epa.gov/enforcement/report-environmental-violations."

SWPPP INFORMATION SIGN

3' MIN.





GRAVEL CURB INLET

SEDIMENT FILTER

