

LAS CRUCES – LITTLE DAM ARROYO PROJECT

Location: In Las Cruces, NM. Turn east on East Lohman Avenue, then turn south on Paseo de Onate one light past Walgreens. Just past that intersection, go into the Little Dam Arroyo on the south side of Paseo De Onate.

Approximate Date of Construction: June 2011

Number of bales / tires used: Approximately 176 bales

Design information: Structure designed by CDM. This project consists of a repair to the eroded unlined landfill, utilizing engineered encased scrap tires and has been designed to clean up, repair, and permanently rehabilitate a portion of an unlined landfill. Tire bales were used to stabilize and permanently reinforce the sides of the old unlined landfill. To further stabilize the site, eliminate the risk of fire, and infestation of vectors, Shotcrete/Gunite was applied to the surface to seal the tires, visually blending the structure and providing erosion control into the naturally occurring landscape. Plans attached.

Cost: Total cost, including design and construction = \$144,200

Other information: An NMED Recycling and Illegal Dumping Fund grant paid for the project. Photos taken during and after construction.

Photos attached

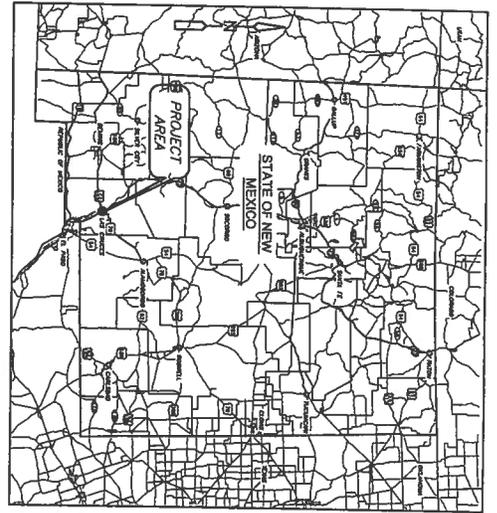




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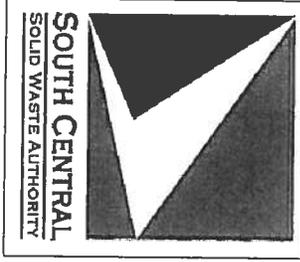


VICINITY MAP
NOT TO SCALE
(REFER TO C-1 FOR SITE
LOCATION MAP)

TIRE BALE STORMWATER REINFORCEMENT

SOUTH CENTRAL SOLID WASTE AUTHORITY (SCSWA)
CITY OF LAS CRUCES, NEW MEXICO

APRIL 2011



**SOUTH CENTRAL
SOLID WASTE AUTHORITY**



- ### GENERAL CONSTRUCTION NOTES
1. THE CONTRACTOR SHALL ONLY UTILIZE THE OWNER DESIGNATED EQUIPMENT AND MATERIAL IN THE STAGING AREA. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR SECURITY OF THE STAGING AREA.
 2. PRIOR TO THE START OF ANY CONSTRUCTION THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL CALL 1-800-361-2537 PRIOR TO CONSTRUCTION TO LOCATE ALL EXISTING UTILITIES.
 3. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRACKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING STREETS AND TAKE NECESSARY PRECAUTIONS TO PREVENT MUD FROM SPREADING ON ADJACENT STREETS AND TAKE NECESSARY PRECAUTIONS TO PREVENT MUD FROM SPREADING ON ADJACENT STREETS AND TAKE NECESSARY PRECAUTIONS TO PREVENT MUD FROM SPREADING ON ADJACENT STREETS.
 4. THE CONTRACTOR SHALL NOTIFY SCSSM 24 HOURS PRIOR TO STARTING OPERATIONS AND IMMEDIATELY AFTER COMPLETION OF DISCUSSING OPERATIONS.
 5. CONTRACTOR WILL NOTIFY THE OWNER A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.
 6. IF AT THE SAFE RESPONSIBILITY OF THE CONTRACTOR TO KEEP THE JOB SITE FREE FROM TRASH ON THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN THE JOB SITE FREE FROM TRASH ON THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN THE JOB SITE FREE FROM TRASH ON THE CONSTRUCTION OF THE PROJECT.
 7. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE DISPOSAL OF ALL WASTE MATERIALS GENERATED DURING THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN THE JOB SITE FREE FROM TRASH ON THE CONSTRUCTION OF THE PROJECT.

8. ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE OWNER AND/OR DESIGNER AND/OR ALL WORK AND MATERIALS NOT IN REPLYMENT OF THE CONTRACTOR'S DESIGN.
9. PREPARE FOR ADEQUATE TRAFFIC CONTROL DURING CONSTRUCTION.
10. IF ANY ARCHAEOLOGICAL REMAINS OR ARTIFACTS ARE FOUND DURING CONSTRUCTION WORK IN THE VICINITY OF ANY HISTORIC PRESERVATION DISTRICT, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OFFICE OF CULTURAL AFFAIRS HISTORIC PRESERVATION DIVISION IMMEDIATELY. (505.827.4230)
11. IF ANY UNARMED HUMAN REMAINS ARE FOUND DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OFFICE OF THE ATTORNEY GENERAL IMMEDIATELY. (505.827.4230)
12. IF ANY PERIODICALLY UNIDENTIFIED SOLID WASTE IS FOUND DURING CONSTRUCTION, WORK IN THE VICINITY OF THE REMAINS SHALL CEASE UNTIL THE OWNER AND/OR ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND THE REMAINS SHALL BE PROTECTED AND NOT BE DISTURBED.
13. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SURVEY MONUMENTS AND BENCHMARKS THROUGHOUT THE CONSTRUCTION. RESTORING ANY SUCH MONUMENTS, ALL MONUMENTS SHALL BE RESTORED BY A LICENSED SURVEYOR.

14. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SHOP DRAWINGS AT ALL TIMES AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.
15. THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THE CONTACT PERSON CAN BE REACHED AT ALL TIMES.
16. WATER FOR CONSTRUCTION IS AVAILABLE FROM SCSSM AT STANDARD INDUSTRIAL RATES TO THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN A WATER CONNECTION AND WATER NECESSARY TO GET WATER TO THE PROJECT LOCATION. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNER TO DETERMINE LOCATIONS OF TAP.
17. ALL TESTING FOR THE PURPOSE OF ACCEPTANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH FAILED TESTS AND RETESTS.
19. ALL WORK TO COMPLY WITH ANY STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION UNLESS OTHERWISE NOTED ON SHOP DRAWINGS AND SUBMITTAL. REVISIONS SHALL BE OBTAINED AT PRE-CONSTRUCTION MEETING.
20. ALL WASTE MATERIAL ENCOUNTERED DURING EXCAVATION SHALL BE EXCAVATED AND TRANSPORTED TO AN APPROVED SLOTTED "B" EXCAVATION PILE.
21. THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) FOR THE CONSTRUCTION OF THE PROJECT TO THE STATE OF NEW MEXICO DEPARTMENT OF ENVIRONMENT AND ORGANIC CHEMISTRY (DEOC) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
22. CONTRACTOR SHALL PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO PREVENT TEMPORARY AND PERMANENT CONSTRUCTION ACTIVITIES FROM POLLUTING SURFACE WATER AND SOIL EROSION FROM CONSTRUCTION ACTIVITIES AND PREVENT SEDIMENTATION OF THE TITTLE DAM RESERVOIR WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATIONS. THE CONTRACTOR SHALL MAINTAIN THE SWPPP FOR THE DURATION OF THE CONSTRUCTION.
23. THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) FOR THE CONSTRUCTION OF THE PROJECT TO THE STATE OF NEW MEXICO DEPARTMENT OF ENVIRONMENT AND ORGANIC CHEMISTRY (DEOC) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
24. THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) FOR THE CONSTRUCTION OF THE PROJECT TO THE STATE OF NEW MEXICO DEPARTMENT OF ENVIRONMENT AND ORGANIC CHEMISTRY (DEOC) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
25. ALL SET WORK SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

SHEET INDEX

SHEET	DESCRIPTION
C-1	COVER SHEET, VICINITY MAP, SHEET INDEX & CIVIL NOTES & LEGEND
C-1	SITE PLAN TIRE BALE LAYOUT
C-2	TIRE BALE INSTALLATION & CIVIL DETAILS
C-3	TIRE BALE INSTALLATION SECTION DETAILS

MISCELLANEOUS SYMBOLS

SYMBOL	DESCRIPTION
[Symbol]	CONCRETE CURB IN PLACE
[Symbol]	GRAVEL
[Symbol]	EARTH FILL
[Symbol]	EXPOSED SOLID WASTE
[Symbol]	UNITS OF CONSTRUCTION
[Symbol]	FLOW GRADE LINE
[Symbol]	FLOW PATH (IN TO PAGE)

CDM
Camp Dresser & McKee
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consulting • engineering • construction • operations



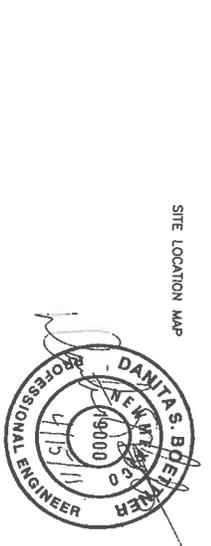
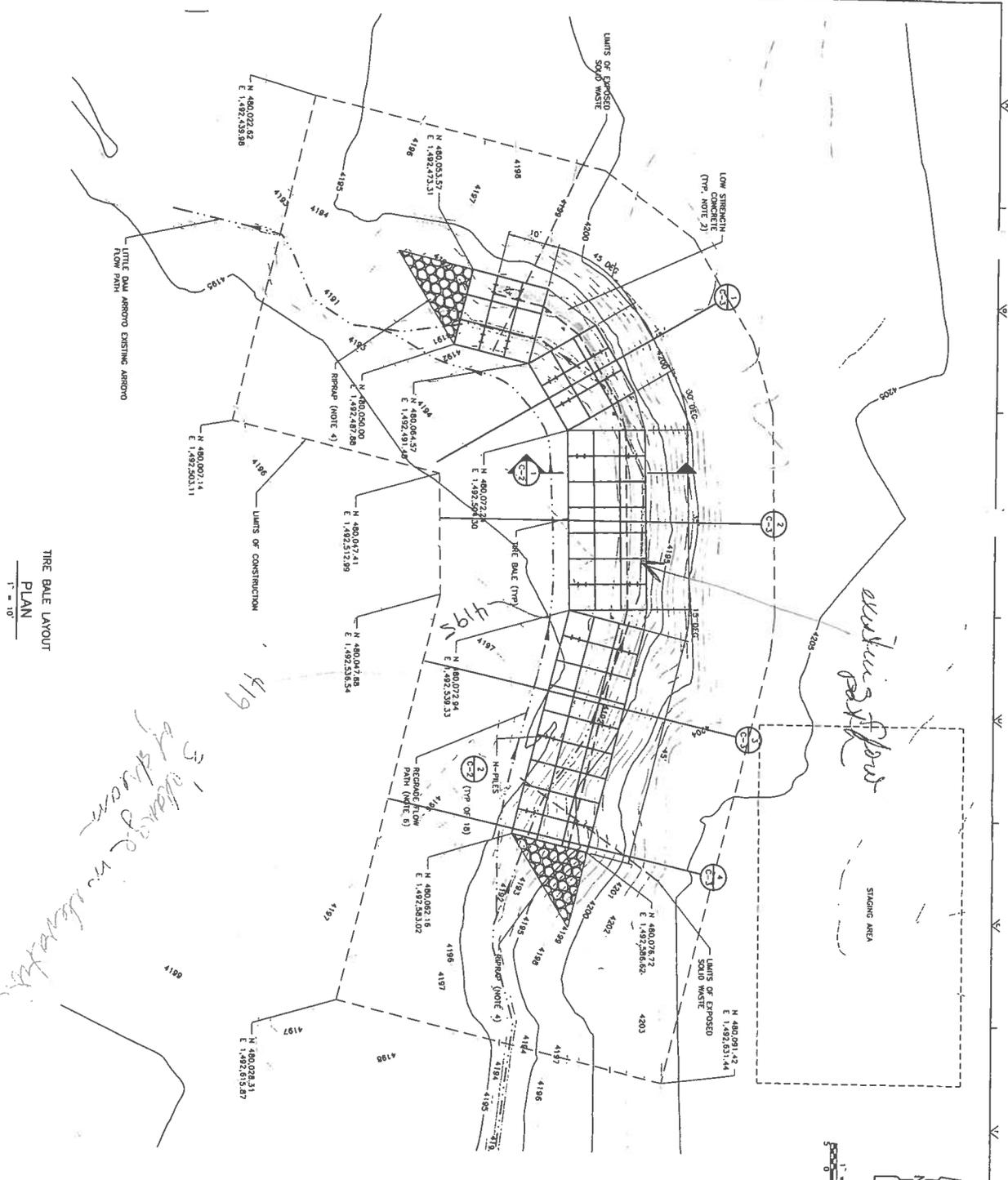
DESIGNED BY	MDP
CHECKED BY	MDP
DATE	04/15/11
PROJECT NO.	41863-80036
SHEET NO.	C-1
CROSS CHECK BY	MDP
APPROVED BY	MDP

CDM
 CONSULTING ENGINEERS
 1400 AVENUE K, SUITE 200
 ALBUQUERQUE, NEW MEXICO 87110
 (505) 263-2500

SOUTH CENTRAL SOLID WASTE AUTHORITY
 (SCSWA)

TIRE BALE STORMWATER REINFORCEMENT

SITE PLAN
 TIRE BALE LAYOUT



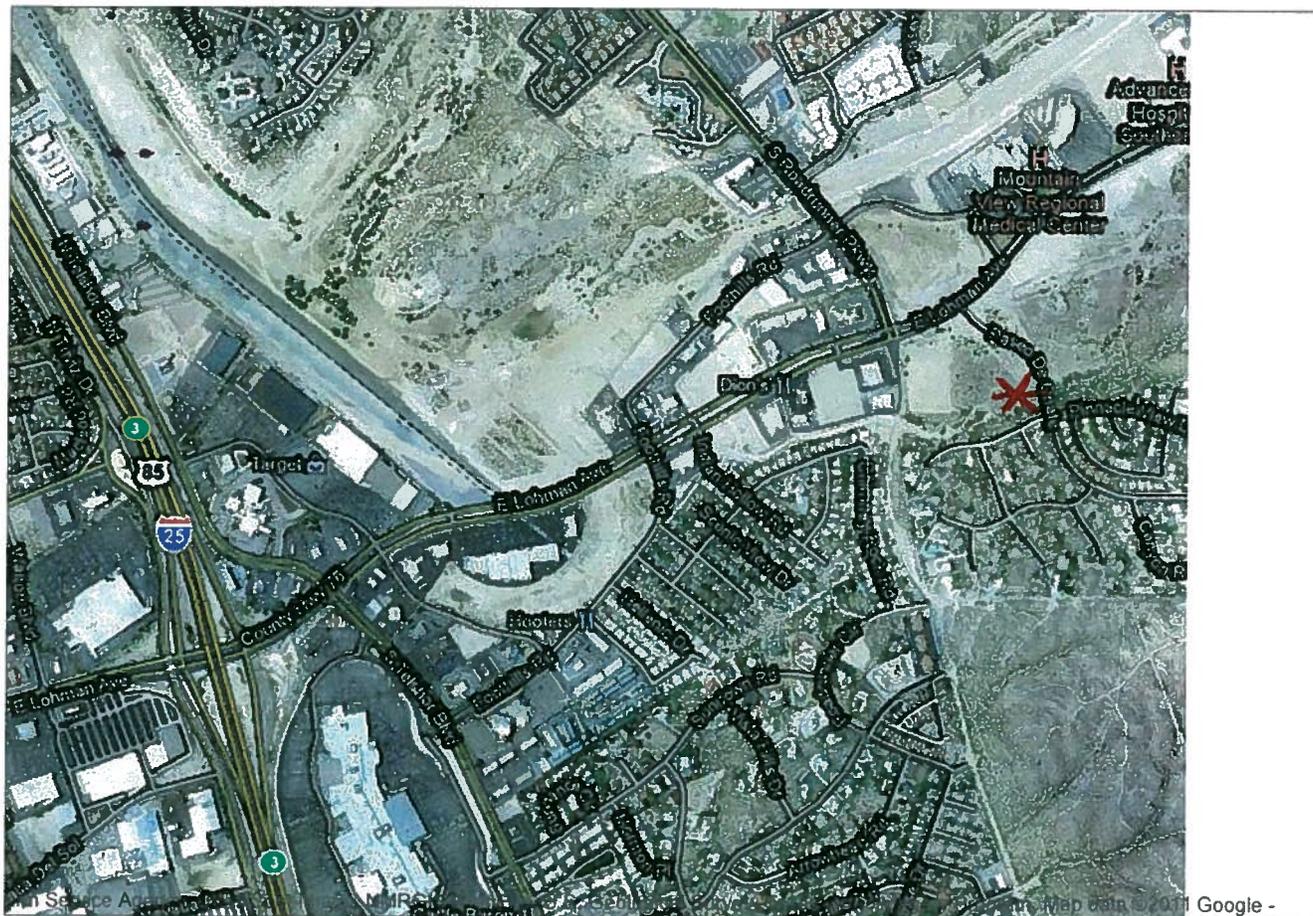
DANITA BOELLNER
 PROFESSIONAL ENGINEER
 NEW MEXICO
 19000
 41511

- NOTES:**
- INSTALL SIGN OR OTHER TEMPORARY FENCE AT THE LIMITS OF CONSTRUCTION.
 - CONCRETE SHALL BE CLASS 3 PER MOST STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
 - SCREW PILES NOT CENTERING THE LOCATION AND DIMENSIONS OF THE BALES ARE EXACT. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF THE BALE DIMENSIONS, LOCATIONS AND LAYOUT PER FIELD CONDITIONS FOR APPROVAL.
 - APPROX SHALL BE CLASS C PER MOST STANDARD SPECIFICATIONS FOR SHALL PROVIDE PROPER SLOPE INTO EXISTING GRADE A MINIMUM OF 10' FROM THE TIRE BALE AND 2' DEEP.
 - ALL DISTURBED NATURAL LANDSCAPE SHALL BE RETURNED TO EXISTING CONDITIONS.
 - UPON COMPLETION OF THE BALE INSTALLATION, THE LITTLE DAM ARRIBO FLOW PAIN SHALL BE SHIFTED PER THE APPROXIMATE DISCUSSION.

PROJECT NO. 41863-80036
 FILE NAME: COO1STPL.DWG
 SHEET NO. C-1



To see all the details that are visible on the screen, use the "Print" link next to the map.



** = PROJECT LOCATION*