

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

770



**FROM:** Department of Waste Resources

**SUBMITTAL DATE:**  
May 12, 2016

**SUBJECT:** Contract Change Order No. 1 to the Contract with Road Builders, Inc. for the Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills, District 2, 4, & 5 [\$286,451 – Department of Waste Resources Enterprise Funds], CEQA Exempt

**RECOMMENDED MOTION:** That the Board of Supervisors:

- Affirm that the environmental effects of the De Anza Channel Slope Repair/Bank Stabilization Project at the closed Pedley Landfill (Project) will not have a significant effect on the environment. The California Department of Fish and Wildlife (CDFW), acting as a Lead Agency, determined the Project is exempt under the California Environmental Quality Act (CEQA) and prepared a Notice of Exemption. The County of Riverside Board of Supervisors, acting as a Responsible Agency, has concluded no substantial changes to the Project or circumstances under which the Project will be undertaken have occurred and the Project is statutorily exempt pursuant to State CEQA Guidelines section 15269 and categorically exempt pursuant to sections 15301, 15302, 15308, and 15330; and
- Approve Contract Change Order No. 1 (CCO No.1) in the amount of \$286,451, to the Contract with Road Builders, Inc. (Road Builders) for slope repair maintenance at the Pedley Landfill, and authorize the General Manager-Chief Engineer to execute it on behalf of the County.

Hans Kernkamp  
General Manager-Chief Engineer

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 190,967	\$ 95,484	\$ 286,451	\$ N/A	Consent <input type="checkbox"/> Policy <input type="checkbox"/>
NET COUNTY COST	\$ N/A	\$ N/A	\$ N/A	\$ N/A	
<b>SOURCE OF FUNDS:</b> Department of Waste Resources				<b>Budget Adjustment:</b> No	
				<b>For Fiscal Year:</b>	15/16 & 16/17

**C.E.O. RECOMMENDATION:**

**APPROVE**  
BY:   
Steven C. Horn

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Washington, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Benoit and Ashley  
Nays: None  
Absent: None  
Date: May 24, 2016  
xc: Waste

Kecia Harper-Ihem  
Clerk of the Board  
By:   
COUNTY

**Prev. Agn. Ref.:** 8/18/15 (12.2C), 10/6/15 (12.4C) | **District:** 2,4,5 | **Agenda Number:**

**12-2**

FORM APPROVED COUNTY COUNSEL  
BY:   
GREGORY P. PRIAMOS  
DATE: 5/16/16

Departmental Concurrence

A-30  
 4/5 Vote  
 Positions Added  
 Change Order

**BACKGROUND:**

**Summary**

In November 2015, a small portion of the closed Pedley Landfill suffered erosion damage. The affected area is located in the northwest corner of the landfill, adjacent to the De Anza Channel. The proposed slope repair will include excavation of exposed landfill material and slope armoring with a revetment system comprised of articulated concrete blocks (ACB). The Project will repair the erosion, as well as provide critical protection to the De Anza Channel, Santa Ana River, and surrounding environment during future rain events.

The County faces significant regulatory fines from the Santa Ana Regional Water Quality Control Board (SAR) if the Pedley Landfill is not repaired before the next substantial rain event. Staff has been advised by Counsel that similar compliance issues in the County with the SAR have resulted in very significant fines on top of actual repair costs.

The County, as operator, ran the Pedley Landfill from 1932 to 1958 and is co-permittee with the landowner, the CDFW. A series of storms over the last several years has caused the Santa Ana River and De Anza Channel to change course and slowly erode slopes at the landfill.

It is staff's firm belief that the only reason fines have not yet been issued is due to the Department's good-faith efforts to date and long standing positive working relationship with the SAR's land disposal division. Regardless, any release during future rain events likely will result in significant fines that far exceed any construction costs incurred.

**Impact on Residents and Businesses**

The slope repair will protect the health and safety of the public from contamination of the De Anza Channel and Santa Ana River, as well as the surrounding community. Without the slope repair improvements, unpredictable rain events would result in impacts on the environment and represent a risk to the health and safety of the public.

**Contract History and Price Reasonableness**

On October 6, 2015, the Board of Supervisors approved a contract award to Road Builders for the 2015 Closed Sites Improvements project. All work related to the original contract has been completed to the Department's satisfaction. The Pedley Landfill slope repair cost is estimated to be \$286,450.50. The revised total cost of the contract, including CCO No. 1 would, therefore, be \$855,501.35. The original contract amount was for \$569,050.85. Budget for this additional service will be provided from Fund 40200, Department ID - 4500100000.

Staff will still pursue CDFW for their fair share cost, either through a formal agreement or litigation. Negotiations are ongoing, but time is of the essence, as the Water Board may issue fines to both CDFW and the County.

**California Environmental Quality Act (CEQA) Findings**

The Project is statutorily exempt from CEQA pursuant to State CEQA Guidelines section 15269 Emergency Project, and categorically exempt pursuant to 15301 Existing Facilities, 15302 Replacement or Reconstruction, 15308 Actions by Regulatory Agencies for Protection of the Environment, and 15330 Minor Actions to Prevent, Minimize, Stabilize, Mitigate or Eliminate the Release or Threat of Release of Hazardous Waste or Hazardous Substances. CDFW prepared a Notice of Exemption (NOE) to this effect on May 11, 2016. No substantial changes to the Project or circumstances under which the Project will be undertaken have occurred and the Project is exempt under CEQA. Upon Project approval, the County as responsible agency, represented by the Department, shall file a NOE to this effect.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 1 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

The County has added extra work to the Contract that consists of the following:

- Preparation and Implementation of a Site-Specific NPDES SWPPP
- Mobilization and Demobilization of Construction Equipment and Materials
- Removal and reinstallation of fence posting and wire (demolition)
- Excavation, hauling and burial of approximately 450 cubic yards (cy) of landfill refuse material.
- Placement of approximately 2,090 cy of Engineered Fill.
- Installation of approximately 4,730 square feet (sf) of an Articulated Concrete Block (ACB) Revetment System.
- Placement of earthen backfill over approximately 4,730 sf of ACB.
- Hydroseeding of approximately 4,730 sf of backfilled slope.
- Installation of approximately 380 sf of Class II Base Access Road.
- Removal of Rock from the Slope Repair area and relocation to the southern portion of the property.
- Placement of approximately 33,000 sf of greenwaste along finished sideslopes.

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: [Signature] Date: 5-16-16

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

FORM APPROVED COUNTY COUNSEL  
BY: [Signature] DATE: 5/16/16  
NEAL R. KIPNIS

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 2 of 25

CONTRACT CHANGE ORDER NO. 1

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Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

The Scope of Work related to the extra work items shall be as follows:

- Preparation and Implementation of a Site-Specific NPDES SWPPP
  - Supplement NPDES SWPPP shall be prepared and implemented in accordance with Section 2 of the Contract Special Provisions.
  - Payment for Bid Item #1 – “preparation and Implementation the supplement Site-Specific NPDES SWPPP” shall be per the Lump Sum price listed as part of this Change Order.
- Mobilization and Demobilization of Construction Equipment and Materials
  - Mobilization and Demobilization shall be in accordance with Section 3 of the Contract Special Provisions.
  - Payment for Bid Item #2 – “Mobilization and Demobilization” shall be per the Lump Sum price listed as part of this Change Order.
- Demolition
  - The work covered by this section shall include: salvage, remove, relocate and stockpile material encountered during construction as described below. The work in this section shall include furnishing all labor, supervision, tools, equipment, and materials necessary to complete and insure that all demolition activities conform to the requirements of the Contract Change Order.

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

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Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: [Signature]  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 3 of 25

CONTRACT CHANGE ORDER NO. 1

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NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- o Demolition shall include the removal of fence posts and wiring surrounding the perimeter of the refuse perimeter as needed in order to repair eroded slopes and install greenwaste along finished slopes. Fence posts and wiring shall be reinstalled after completion of greenwaste installation and prior to demobilizing the Project Site. Demolition shall also include the removal/reconfiguration of the site entrance gate in order for equipment to enter the site. Any damage to the existing fence posts, wiring and entrance gate shall be replaced by the Contractor at their sole expense.
- o Payment for Bid Item #3 – “Demolition” shall be per the Lump Sum price listed as part of this Change Order.
- Earthwork (Landfill excavation and burial)
  - o This work shall include furnishing all labor, supervision, tools, equipment, and materials necessary to excavate refuse. This work shall include, but is not limited to: clearing, grubbing, excavation, refuse removal, placing interim cover over exposed refuse, hauling of refuse material and placement to the elevations, lines and grades at the locations shown on the Project Drawings and as required by the Contract Change Order or as directed by the County.
  - o The Contractor shall remove interim cover soil, refuse, or soil co-mingled with refuse encountered during excavation from within the Project Limits shown on

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: \_\_\_\_\_  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 4 of 25

CONTRACT CHANGE ORDER NO. 1

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Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

the Project Drawings.

- Excavated interim cover soil that does not contain co-mingled refuse or has been deemed suitable by the County may be used as source material for engineered fill.
- Contractor shall haul excavated refuse and soil co-mingled with refuse and haul to the Top Deck in accordance with the Lines and Grades shown on the Project Drawings.
- At the end of the workday, Contractor shall cover all refuse surfaces and may not allow refuse surfaces to be exposed overnight. If refuse excavation to design grade has not been completed by the end of the workday, Contractor may cover the refuse surface with: six-inches (6") of cover soil or alternate daily cover including but not limited to: six-inches (6") of process greenwaste material, tarps or approved equal.
- Recognizing the primary importance of public and worker safety in and adjacent to this area, Contractor shall coordinate proposed haul routes, timing, duration, and other related factors with the County prior to each planned haul sequence to the refuse burial location.
- In the event the County or Contractor suspects any excavation material from the landfill is hazardous (as defined by CalRecycle or the Local Enforcement Agency), the Contractor shall stockpile the suspect material in a location separate

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Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 5 of 25

CONTRACT CHANGE ORDER NO. 1

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Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

from the rest of the excavated material. The Contractor shall immediately notify the County if excavation material is suspected to be hazardous. The County will make the appropriate analyses to determine if the suspected hazardous material is hazardous by CalRecycle or LEA definition. The Contractor shall dispose of determined hazardous material in the hazardous waste disposal site designated by the County. The Contractor shall be compensated for disposal of such hazardous waste. This work shall be considered as extra work and therefore; will be paid for in accordance with Section 2.7 of the General Provisions entitled "Extra Work". (Any hazardous material generated by the Contractor, including but not limited to spills or leaks during routine equipment maintenance or any spills caused by any of the Contractor's subcontractors or suppliers, shall be properly disposed of at the Contractor's expense as stated in the Contract Documents.)

- o The County is in process of obtaining a South Coast Air Quality Management District (SCAQMD) Rule 1150 Permit for refuse excavation. The Contractor must place refuse within the limits of the landfill footprint as shown on the Project Drawings; and the Contractor shall also comply with all requirements of the SCAQMD permit conditions (i.e., daily cover, transportation, dust suppression, etc.) at any time refuse is encountered. A sample SCAQMD permit and associated conditions are included as an attachment to this Change Order. The

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 6 of 25

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County will provide required personnel to monitor the activities in accordance with the SCAQMD 1150 permit.

- o The measurement of the final quantity for Bid Item #4 - "Earthwork (Refuse Excavation & Disposal)" shall be determined in the refuse excavation area by comparing the County-surveyed initial encountered refuse surface and the County-surveyed refuse excavation final surface within the approximate limits as shown on the Project Drawings. Establishing these surfaces and measuring the final quantity shall be performed by the County pursuant to the aforementioned method of calculation. Payment for refuse excavation and disposal shall be at the contract unit price per cubic yard as stated in this Change Order and shall constitute full compensation to the Contractor for all work related to refuse excavation and disposal (within the designated areas) including but not limited to: furnishing all labor, supervision, materials, tools, and equipment; performing pioneering, clearing, grubbing; grading, re-grading, excavating, over-excavating, shaping, preparing, compacting, hauling, loading, compliance with all regulatory permits and conditions (including the SCAQMD 1150 permit), construction of temporary haul roads for refuse excavation and disposal in accordance with the Contract Documents.

- Earthwork (Engineered Fill)

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

**General Manager-Chief Engineer  
Department of Waste Resources**

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: \_\_\_\_\_  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.



RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 7 of 25

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Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- o Source material for engineered fill shall come from suitable soil excavated during refuse cover removal, or imported from an off-site source. The suitability of all earthen materials shall be subject to the acceptance of the County. Fill materials shall not contain brush, roots, sod, or other deleterious or unsuitable materials. Organic material and earthen material particles greater than the specified size shall be deposited in a separate stockpile, as directed by the County. Organic material shall be deposited at the refuse burial location shown on the Project Drawings as directed by the County.
- o The Contractor shall restrict earthwork movement and haul routes to the areas within the Project Limits as shown on the Project Drawings. Any earthwork operations requiring activity outside of the Project Limits shall require a written request and written acceptance to and from the County.
- o Compacted engineered fill is required within the Project Limits, as shown on the Project Drawings or as directed by the County. On-site soil shall be placed and compacted in layers as specified herein. The Contractor shall spread soil evenly by mechanical equipment over the prepared subgrade. The Contractor shall place engineered fill material in thickness of loose lifts no greater than eight inches (8") and compacted lifts no greater than six inches (6"). Each lift shall be spread evenly and compacted to obtain a near uniform condition in each layer. In areas

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Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_  
By: \_\_\_\_\_

Date: 5-13-16

Contractor: \_\_\_\_\_  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 8 of 25

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of lift thickness greater than specified herein, the Contractor, prior to construction of additional lifts, must complete re-grading and compacting of the surface to the maximum specified lift thickness. The top of each previously compacted layer shall be scarified so that there is no lamination between layers.

- o Engineered fill material shall be compacted to a minimum of 90% relative compaction, based on the laboratory maximum dry density, determined by ASTM D1557. Engineered fill over cut slopes, or scarified natural steep slopes shall be properly keyed into undisturbed bedrock or firm material in accordance with the Contract Documents and as accepted by the County.
o All general on-site soil material used for engineered fill shall have a moisture content between 2% below and 2% above OMC in accordance with ASTM D1557 or as determined by the County. Additional water may need to be added at any time during construction. The moisture content of the engineered fill materials prior to and during compaction shall be uniform throughout each layer of the material.
o When the moisture content of the fill material is below optimum, water shall be added until the moisture content is within the limits required to assure an adequate bonding and compaction of all fill material. When the moisture content of the fill material is above the specified limits, the fill material shall be aerated by plowing,

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Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 9 of 25

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disking, blading, or other satisfactory methods until the moisture content is acceptable. All plowing, tamping, blending, disking, or air drying of material is considered incidental to the work and no additional compensation will be allowed. Wetting of materials by rain or artificial means to acceptable moisture content will require mixing or air drying to return this material to the required moisture content. Complying with this requirement is considered incidental to the work and no additional compensation will be allowed.

- o Surfaces of all slopes shall be finished by track walking with Dozer-type equipment or approved equal by the County Representative in the field and left in a uniformly graded condition. Surfaces of flat areas shall be finish graded with a motor grader or approved equal.
- o The subgrade surface of the Slopes in the locations of ACB placement shall have a smooth finished surface and shall be prepared according to ASTM D6102.
- o Engineered Fill placed over refuse as cover must have a minimum 2' of cover.
- o The Contractor is responsible for obtaining and complying with any required hauling permits on all City, County, and State roads and Highways.
- o The Contractor is responsible for controlling traffic entering and exiting the project site and controlling bicyclist and pedestrian traffic on the Santa Ana River Trail when project related construction affects trail. The Contractor shall be

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 10 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

responsible for the installation, operation, and maintenance of traffic control devices and measures.

- o An adequate freeboard must be maintained in each hauling truck above its load in order to prevent material from falling onto streets along the haul route. The Contractor shall maintain the Santa Ana River Trail, adjacent to the site, in a condition clear of material dropped from hauling vehicles. The Contractor shall perform street cleaning or sweeping, at the Contractor's expense, as often as each working day, if needed or required.
o The Contractor shall ensure that haul truck drivers do not exceed the posted speed limits on the haul route, and adhere to safe and courteous driving practices. Failure to do so will be cause for the driver's immediate and permanent dismissal from the project.
o Trucks used for transporting material shall not exceed the maximum allowable weight for use on the haul roads. The Contractor, at its own expense, shall be responsible for repairing any damage along the haul route which was caused by the hauling trucks. Prior to the commencement and upon completion of the work, the County will meet with the Contractor to photo document the Santa Ana River Trail in order to document any damage caused by the hauling trucks. All repair work shall be performed to the satisfaction of the City, County, and any other

Cost: Decrease - \$ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: Date: 5-13-16
By: \_\_\_\_\_

Contractor: [Signature]
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 11 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

interested governing authority.

- o The measurement of the final quantity for Bid Item #5 - "Earthwork (Placement of Engineered Fill)" shall be based on the total quantity of engineered fill placed only within the Project limits, as shown on the Project Drawings. Construction Activities qualifying for payment under Engineered Fill include, but are not limited to the slope repair, construction of earthen berms and cover of refuse. The total quantity of engineered fill placed to construct the finished grade surface shall be determined by comparing the pre-construction ground surface and the finished grade surface. The pre-construction ground surface shall be established by a combination of conventional ground survey and aerial flight survey, and the post-construction ground surface for this work shall be established by ground surveying at completion of the finished grade surface. Payment for the placement of engineered fill shall be made based on the unit price per in-place cubic yard for engineered fill, as stated in the Change Order and shall constitute full compensation to the Contractor for all work related to the placement of engineered fill within the Project Limits including but not limited to: clearing, grubbing, excavation and import of source material used for engineered fill and compaction. Payment shall also constitute full compensation for furnishing all labor, supervision, materials, tools, and equipment necessary to place engineered

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: \_\_\_\_\_  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 12 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

fill in accordance with the Contract Documents. No additional compensation shall be given for engineered fill placed outside the specified limits and dimensions unless otherwise ordered in writing by the County.

- ACB Material and Installation
  - The work shall include but not be limited to subgrade preparation, flank, anchor trench construction, geotextile installation, and installation of the ACB at the locations shown on the Project Drawings. The surface of the ACB revetment subgrade shall be smooth and free of loose or extraneous material, to the satisfaction of the County.
  - Rock slope protection fabric shall be nonwoven and shall be treated with ultraviolet ray (UV) protection. The UV treated fabric shall provide a minimum of 70 percent breaking strength retention after 500 hours exposure when tested in conformance with the requirements in ASTM D4355. The edges shall either be selvaged or serged. The parameters of the fabric shall be specified by a Registered Civil Engineer (California) with geotextile design experience and the Civil Engineer shall submit the material properties listed below with the hydraulic analysis.
  - The ACB slope shall be 1.5:1 to 4:1 horizontal to vertical that varies between the lengths shown on the ACB Panel Layout on the Project Drawings. Blocks shall

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: [Signature]  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 13 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

interconnect with galvanized steel cables that run longitudinally through the blocks to form mats. Galvanized steel cables shall be of sufficient strength to support the blocks through installation without causing damage to the blocks.

- The geotextile fabric shall be placed on a smooth finished surface. Installation of the geotextile fabric shall be in conformance with the manufacturer's recommendations. The geotextile fabric shall be placed loosely upon or against the subgrade surface so that the fabric conforms to the surface without damage when the final revetment system is placed. There shall be a minimum 24" overlap between fabrics and the overlap shall be in the direction of slope to minimize the pull on the fabric by the river.
Equipment and vehicles shall not be operated or driven directly on the fabric. Any fabric damaged during placement shall be replaced or repaired, as directed by the County. Repairing damaged fabric shall consist of placing new fabric over the damaged area. The minimum overlap from the edge of the damaged area shall be three feet.
The ACB mats shall be directly placed on the geotextile fabric. Once the mat is on the ground, detached from any piece of heavy equipment, laborers can make small adjustments to the mats so that they interlock and secure the blocks to each

Cost: Decrease - \$ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: Date: 5-13-16
By: \_\_\_\_\_

Contractor: [Signature]
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 14 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

other with pins. Crowbars may be used, with care to not damage the blocks or geotextile fabric, to adjust the blocks.

- The ACB revetment system shall be anchored at the top with an anchor trench and tied into the adjacent ground on either side of the ACB slope with termination trenches, as shown in the Project Drawings.
- Trench construction work includes the excavation of the flank and anchor to the line and grade shown in Project Drawings and the backfill of the trenches to the final grade shown in the Project Drawings. Contractor shall take measures to dewater trenches should water fill the toe trench during construction.
- Trenches and spaces between mats shall be backfilled to grade with 4,000 psi concrete, grout or approved other as recommended by the ACB manufacturer.
- The measurement of the final quantity for Bid Item #6 - "ACB Material and Installation" shall be based on the total square footage of ACB installed and shall include installation of geotextile, ACB and backfill of anchor trenches and mats with 4,000 psi concrete. Payment shall constitute full compensation for all labor, material, equipment, and all other items necessary and incidental to completion of these items of work.
- Earthwork (Backfill of ACB)

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: [Signature]  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.



RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 15 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- o This work shall include furnishing all labor, supervision, tools, equipment, and materials necessary to backfill new installed ACB at Pedley. This work shall include, but is not limited to placement of backfill within voids of ACB to the elevations, lines and grades at the locations shown on the Project Drawings and as required by the Contract Documents or as directed by the County.
- o Source material for backfill of articulated concrete blocks (ACB) shall be imported to the Pedley Landfill and shall be loose and suitable for vegetation. The Contractor may choose to obtain source material from the Badlands Canyon 6 Stockpile.
- o This work shall include the backfill of ACB slopes to cover all exposed geotextile at the Pedley Landfill as indicated in the project drawings. Heavy equipment shall not be permitted to drive over the ACB slopes. Backfill material shall be placed on the ACB in rows perpendicular to the embankment using an excavator or equivalent type equipment and shall be moved into final position by hand-directed methods to a minimum of 85 % compaction. Backfill may be mechanically compacted by means of hand-directed equipment. Permission to use specific compaction equipment shall not relieve the Contractor from responsibility to ensure that the use of such equipment will not result in damage of adjacent ACB and underlying geosynthetic liner. Mechanically compacted

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 16 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

backfill may be placed in one lift to achieve a finished minimum thickness of 4.75 inches.

- o Damage to adjacent ACB or underlying geosynthetic liner shall be repaired as recommended by the manufacturer and cost for repair shall be borne to the Contractor. County will not provide additional compensation for repair to existing infrastructure.
o The measurement of the final quantity for Bid Item #7 - "Earthwork (Backfill of ACB)" shall be based on the final in-place area of backfill total quantity of backfill placed as shown on the Project Drawings and as directed by the County. The final area shall be verified by the County based on conventional ground measurement, and shall be measured to the nearest square foot. Payment for the backfilling of ACB slopes at Pedley shall be made based on the unit price per in-place square foot, as stated in this Change Order for Earthwork (Backfill of ACB) and shall constitute full compensation to the Contractor for all work related to the backfilling of ACB slopes within the Project Limits including but not limited to: clearing, grubbing, excavation of source material or import of source material used for backfill and compaction. Payment shall also constitute full compensation for furnishing all labor, supervision, materials, tools, and equipment necessary to backfill ACB slopes in accordance with the Contract Documents. No additional

Cost: Decrease - \$ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: Date: 5-13-16
By: \_\_\_\_\_

Contractor: [Signature]
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 17 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

compensation shall be given for backfill placed outside the specified limits and dimensions unless otherwise ordered in writing by the County.

- Hydroseed
  - The work covered by this section shall consist of furnishing all necessary labor, materials, equipment, tools, and supervision to establish vegetation of slopes via hydroseeding at the locations indicated on the Project Drawings or as directed by t Prior to delivery of materials, the Contractor shall submit product data sheet, material specifications, and manufacturer's application instructions for erosion control blankets to the County for approval.
  - Prior to delivery of materials, the Contractor shall submit product data sheet, material specifications, manufacturer's application instructions and seed mix design for the hydroseeding application at Pedley to the County for approval.
  - Pedley Seed Mixture - The seed mixture furnished by the Contractor shall be Desert Sage Scrub Mix The seed shall be less than two years old. Germination test of the seed shall be made less than six months prior to the seeding operations and a certificate of such test shall be furnished to the Department. The germination tests, for an acceptable seed, shall indicate a minimum of 85 percent germination. When directed by the County, the above mixture may be varied to suit any special condition of soil peculiar to the areas to be seeded. Seed which

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 18 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

has become wet, moldy, or otherwise damaged in transit or storage will not be acceptable.

- o The measurements of the final quantity for Bid Item #8 - "Hydroseed", shall be determined by the County based on field measurements of the total area of hydroseed placed and shall constitute full compensation to the Contractor for all work related to the supply and installation of hydroseed to promote vegetation growth in the project including but not limited to: furnishing all labor, supervision, materials, tools, developing water and equipment for slope preparation, hydroseeding and any other requirements by the Contract Documents.

• Class II Base

- o The work covered by this section shall consist of furnishing all necessary labor, materials, equipment, tools, and supervision for furnishing and construction and installation of a 12-inch thick Class II Base road. The work shall include, but is not limited to road subgrade preparation and construction of the Class II Base roads at the locations shown on the Project Drawings or as directed by the County.
- o The Contractor shall submit Certificates of Compliance for Class II Base materials used in this project. The certificates shall be signed by the manufacturer

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50  
Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 19 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

of the materials and shall state that materials involved shall comply in all respects with the requirements of these specifications.

- o Class II Base shall be in accordance with Section 26 of the State Standard Specifications.
- o The measurement of the final quantity for Bid Item #9 - "Class II Base" shall be at the contract unit price per square foot as stated in this Change Order and shall constitute full compensation to the Contractor for all work related to the placement of Class II Base including but not limited to: subgrade preparation, compaction, and furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the Class II Base ramp, complete in place, as shown on the Project Drawings or as directed by the County.
- Rock Removal and Relocation
  - o The work covered in this section shall consist of furnishing all necessary labor, materials, equipment, tools and supervision for relocating oversized rocks from within the slope repair limits to selected locations within the property as directed by the County.
  - o Payment for Bid Item #10 - Rock Removal and Relocation shall be per the Lump Sum price listed as part of this Change Order.
- Greenwaste

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 20 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- The work covered in this section shall consist of furnishing all necessary labor, materials, equipment, tools and supervision for the spreading of Processed Green Waste materials within designated areas at the Pedley landfill as shown on the Project Drawings or as directed by the County.
Processed Green Waste is defined as green waste material which has been ground so that the maximum dimension in any direction is six (6) inches or less. Processed Green Waste shall be composed of green waste material only, free of refuse, and contaminants as solely determined by the Department. Processed Green Waste shall be procured only from in-County sources.
The County shall have clean Processed Green Waste materials delivered to the site, up to 500' from the slopes in which Contractor spreading work shall occur. The Contractor shall provide the equipment and manpower to evenly spread Processed Green Waste materials in a safe and efficient manner as determined by the County.
Processed Green Waste material shall not be placed or spread over gravel roads or benches, or on hardscape (concrete or asphalt) structures. Any material placed within these areas shall be removed by the Contractor.
Contractor shall ensure that three (3) to six (6) inches of Green Waste material covers designated areas shown on the Project Drawings for each landfill.

Cost: Decrease - \$ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: Date: 5-13-16
By: \_\_\_\_\_

Contractor: \_\_\_\_\_
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 21 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- Green Waste material shall be spread by use of a manure spreader or similar type of equipment as approved in advance by the County. In no case shall the depth of spread Green Waste material be less than three (3) inches or greater than six (6) inches in final placed form.
- Contractor shall apply adequate compaction to the spread green waste product by track walking in place as determined by the County, and shall apply adequate water for dust control purposes.
- Prior to application of green waste, Contractor shall prepare the subgrade of slopes to receive greenwaste by filling in erosion rills to grade and track walking in place.
- Contractor heavy equipment and vehicles shall travel no closer than ten (10) feet to any environmental structure. Green Waste material shall be hand-placed within ten (10) feet of environmental structures including but not limited to, above-ground pipe system, wells, bollards, etc. Any material placed on these structures shall be removed by the Contractor. Green Waste material shall be placed no closer than five (5) feet from vault boxes.
- The Department may halt and suspend the work of the Provider at any time without notice in order to complete Department business, such as performing landfill operations, site maintenance, or groundwater/gas monitoring work.

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 22 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

- o Provider may stockpile a combined maximum of one hundred (100) tons of Green Waste materials at any time during spreading operations.
- o Payment for Bid Item #11 - "Greenwaste" shall be at the contract unit price per square foot as stated in the Change Order and shall constitute full compensation to the Contractor for all work related to the spreading of Processed Green Waste on slopes including but not limited to: furnishing all labor, supervision, materials, tools, and equipment; providing dust control, pushing or hauling processed green waste up to 500' from stockpile to toe and hinges of slopes receiving application, spreading, shaping, and compacting. All other work required by the Contract Documents to complete the spreading Processed Green Waste material shall be considered incidental to the work and will not be paid for separately.
- Unless otherwise stated, the final measurement of all earthwork quantities for the various layers shall be calculated to the nearest cubic yard or the nearest square foot based only upon comparison of pre-construction and post-construction surfaces of the project work. These surfaces shall be established by a combination of conventional ground surveying done by the County and aerial flight surveys of the project work area. Unless otherwise stated, the surface for any layer which will be covered by subsequent layers shall be established by ground surveying. The surface for any layer which will not be covered shall be established by aerial flight survey. The Riverside County Flood Control and

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50  
Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16 Contractor: [Signature]  
By: \_\_\_\_\_ Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.



RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills

Sheet 23 of 25

CONTRACT CHANGE ORDER NO. 1

To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

Water Conservation District shall conduct the aerial flight surveys at the County's request immediately following the completion of work. Final volumetric calculation of earthwork quantities for payment purposes shall then be performed by the County based upon the resulting Digital Terrain Models (DTM) using the grid volume method with a grid interval of five (5) feet by five (5) feet. It should be noted that different methods may be used by the County for determining quantities for progress payments. However, the earthwork quantities used for progress payments will be adjusted at the completion of the project based upon the final measurement method stated in this paragraph.

- Allowable deviation from design grades shown on the Project Drawings shall be  $\pm 0.25$  feet for all remaining areas within the project limits. Limits for measurement of the excavations and fills shall be to the lines and grades as shown on the Project Drawings or as directed by the County. No additional compensation will be given for deviations above the lines and grades shown on the Project Drawings or as directed by the County, even if within the allowable tolerance. No additional compensation will be given for removal and re-compaction of material that does not meet the specifications described in this section.

Change Order Pricing

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16

Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

**RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES**

**Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills**

Sheet 24 of 25

**CONTRACT CHANGE ORDER NO. 1**

**To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.**

**NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.**

Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:

Bid Item No.	Description of Work Items	Unit	Quantity	Unit Price (\$)	Total Cost for Each Bid Item (\$)
1	Prepare and Implement NPDES SWPPP	L.S.	1	\$ 8,500.00	8,500.00
2	Mobilization and Demobilization	L.S.	1	\$ 69,000.00	69,000.00
3	Demolition	L.S.	1	\$ 9,500.00	9,500.00
4	Earthwork (Landfill Excavation and Burial)	C.Y.	450	\$ 27.00	12,150.00
5	Earthwork (Engineered Fill)	C.Y.	2,090	\$ 21.00	43,890.00
6	ACB Material and Installation	S.F.	4,730	\$ 18.50	87,505.00
7	Earthwork (Backfill of ACB)	S.F.	4,730	\$ 1.75	8,277.50
8	Hydroseed	S.F.	4,730	\$	

Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50

Thirty (30) additional working days have been added to the contract due to this Change Order.

Submitted by: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

General Manager-Chief Engineer  
Department of Waste Resources

We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.

Accepted: \_\_\_\_\_ Date: 5-13-16  
By: \_\_\_\_\_

Contractor: \_\_\_\_\_  
Title: PRESIDENT

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.

**RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES**

**Project: Construction of the 2015 Site Improvements at the Closed Edom Hill, Beaumont, Mead Valley and Coachella Landfills**

Sheet 25 of 25

**CONTRACT CHANGE ORDER NO. 1**

**To: Road Builders, Inc., Contractor, you are hereby directed to make the herein described changes from the plans and specifications or to do the following described work not included in the plans and specifications.**

**NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE GENERAL MANAGER-CHIEF ENGINEER OF THE DEPARTMENT OF WASTE RESOURCES AND/OR THE BOARD OF SUPERVISORS OF RIVERSIDE COUNTY.**

**Description of work to be done, estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. Change requested by Riverside County:**

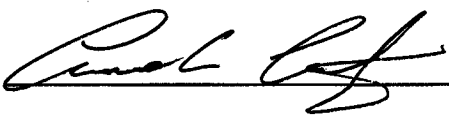
				0.60	2,838.00
9	Class II Base	S.F.	380	\$ 8.00	3,040.00
10	Rock Removal and Relocation	L.S.	1	\$ 8,500.00	8,500.00
11	Greenwaste	S.F.	33,000	\$ 0.25	8,250.00
12	Time and Materials	L.S.	1	\$ 25,000.00	25,000.00
	<b>Original Contract Total:</b>			\$	<b>286,450.50</b>

**Attachments:**

1. Project Drawings
2. Rule 1150 Refuse Excavation Standard Conditions

**Cost: Decrease - \$ \_\_\_\_\_ or Increase \$ 286,450.50**

**Thirty (30) additional working days have been added to the contract due to this Change Order.**


**Submitted by:**  **Date:** 5-16-16

**Approved by:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**General Manager-Chief Engineer**  
**Department of Waste Resources**

**We, the undersigned Contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may be otherwise noted above, and perform all services necessary for the work above specified, and will accept as full payment therefore the prices shown above.**

**Accepted:** \_\_\_\_\_ **Date:** 5-13-16 **Contractor:**   
**By:** \_\_\_\_\_ **Title:** PRESIDENT

**If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to the proceeding with the ordered work and filing a written protest within the time therein specified.**

FORM APPROVED COUNTY COUNSEL  
 BY:  DATE: 5/16/16  
 BY: NEAL R. KIPNIS

**PROJECT:**

**Pedley Landfill  
South Slope Repair (De Anza Channel)**

**CONTRACTEE : RCDWR  
CONTRACT DATE : May24th, 2016  
CONTRACTOR : Road Builders**

South Slope Repair					
Bid Item No.	Description of Work Items	Unit	Quantity	Unit Price (\$)	Total Cost for Each Bid Item (\$)
1	*Prepare and Implement NPDES SWPPP	L.S.	1	\$ 8,500.00	8,500.00
2	**Mobilization and Demobilization	L.S.	1	\$ 69,000.00	69,000.00
3	Demolition	L.S.	1	\$ 9,500.00	9,500.00
4	Earthwork (Landfill Excavation and Burial)	C.Y.	450	\$ 27.00	12,150.00
5	Earthwork (Engineered Fill)	C.Y.	2,090	\$ 21.00	43,890.00
6	ACB Material and Installation	S.F.	4,730	\$ 18.50	87,505.00
7	Earthwork (Backfill of ACB)	S.F.	4,730	\$ 1.75	8,277.50
8	Hydroseed	S.F.	4,730	\$ 0.60	2,838.00
9	Class II Base	S.F.	380	\$ 8.00	3,040.00
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11	Greenwaste	S.F.	33,000	\$ 0.25	8,250.00
12	Time and Materials	L.S.	1	\$ 25,000.00	25,000.00
<b>Original Contract Total:</b>					<b>\$ 286,450.50</b>

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12	Time and Materials	L.S.	1	\$ 25,000.00	25,000.00
<b>Original Contract Total:</b>					<b>\$ 286,450.50</b>

# Pedley Landfill

## CONSTRUCTION PLANS FOR South Slope Repair Project

### May 2016

PREPARED BY  
DEPARTMENT OF WASTE RESOURCES  
HANS KERNKAMP, GENERAL MANAGER/CHIEF ENGINEER  
14310 FREDERICK STREET  
MORENO VALLEY, CALIFORNIA 92553  
TEL. (951) 486-3200 FAX (951) 486-3205

DEPARTMENT OF WASTE RESOURCES

APPROVED: Hans Kernkamp, General Manager - Chief Engineer, R.C.E. 45888 Exp. 12/31/2016

RECOMMENDED: Joseph R. McCann, Assistant Chief Engineer, R.C.E. 51694 Exp. 6/30/2016

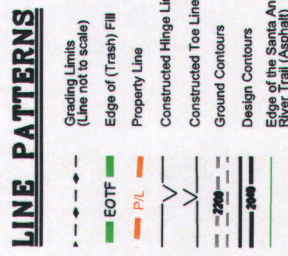
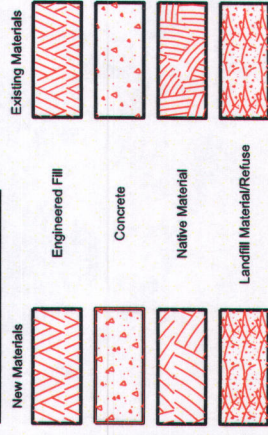
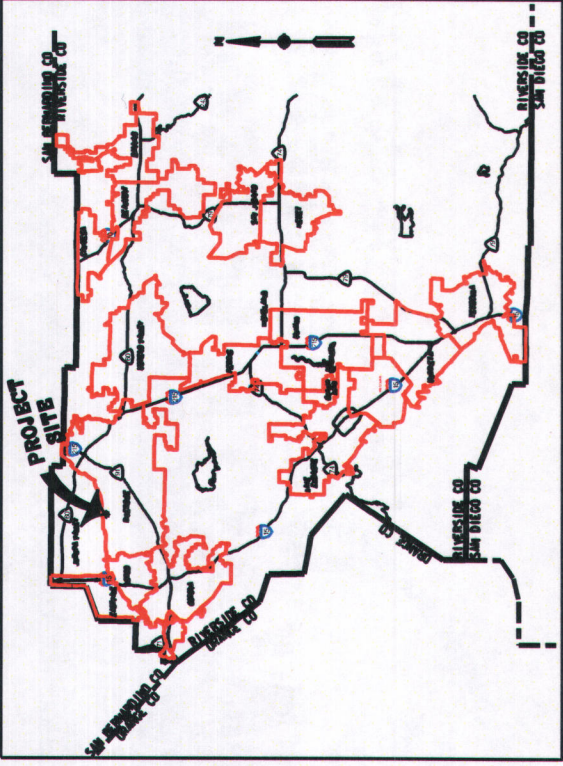
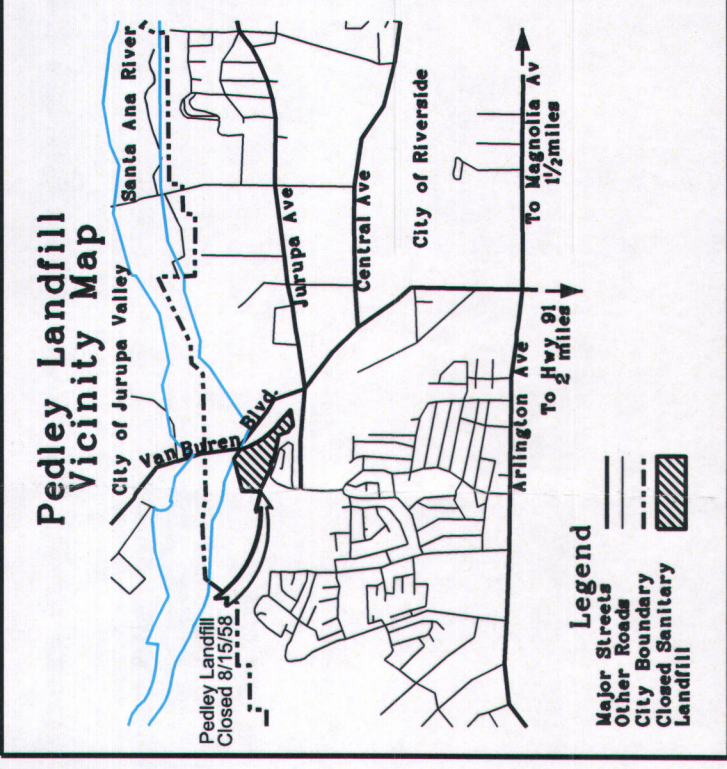
RECOMMENDED: Andrew Cortez, Principal Engineer, R.C.E. 62528 Exp. 12/31/2017

SUBMITTED: Manuel Ruiz, Associate Civil Engineer, R.C.E. 79726 Exp. 9/30/2016

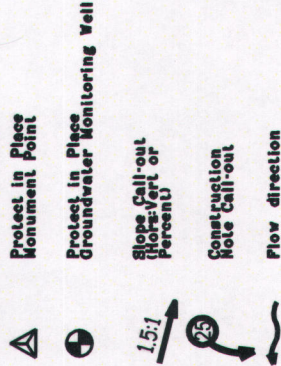


# I N D E X O F D R A W I N G S

SHEET NO.	MODEL NAME	TITLE
1	Title Sheets	Title Sheet
2	Title Sheets	General Notes, Legends, & Survey Control
3	Refuse Excavation	Refuse Excavation Plan
4	Refuse Excavation Isopach	Refuse Excavation Plan Isopach
5	Grading Plan	Grading Plan
6	Grading Plan Isopach	Grading Plan Isopach
7	Details	Cross-Sections and Details



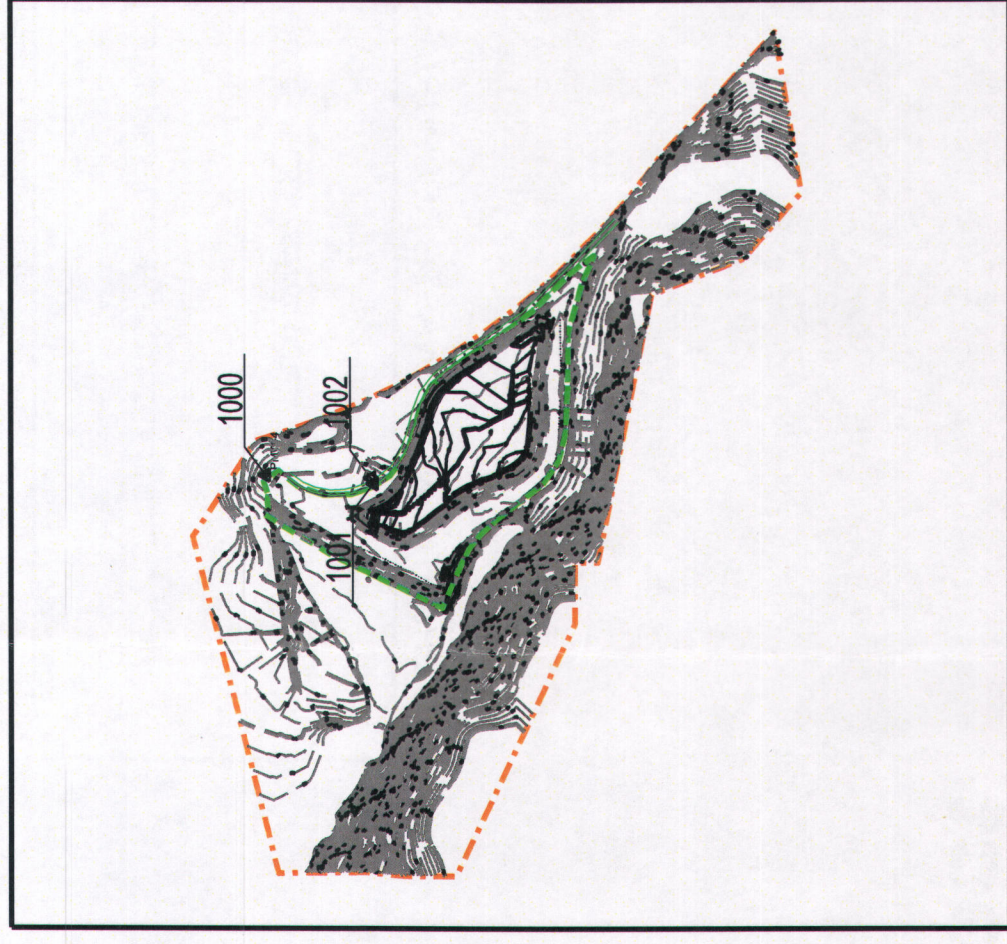
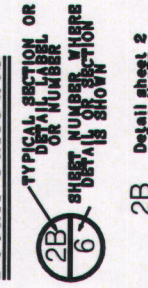
### MISCELLANEOUS



### ABBREVIATIONS

A.C.	ASPHALT CONCRETE
APPROX.	APPROXIMATE
clr.	CLEARANCE
E.	EASTING
EL.	ELEVATION
F	FILL
FL	FLOW LINE
G.B.	GRADE BREAK
N.	NORTHING
N.T.S.	NOT TO SCALE
P/L	PROPERTY LINE
R.C.	REINFORCED CONCRETE
R.C.F.C.	RIVERSIDE COUNTY FLOOD CONTROL
TYP.	TYPICAL
TOP	TOP (HIGHER) OF SLOPE
TOE	TOE OF SLOPE

### Detail Callouts



### S U R V E Y C O N T R O L P O I N T S

Pt.	Northing	Easting	Elevation	Description
1000	2,295,985.92	6,192,911.26	687.16	Well PE 4
1001	2,295,760.75	6,192,894.38	688.43	Existing bike path bench mark
1002	2,295,766.46	6,192,905.55	687.89	1/4" Rebar 2' long

NO.	REVISIONS	BY	APPROVED	DATE

**Pedley Landfill**  
South Slope Repair



**General Notes & Legends**

INVERSIDE COUNTY  
DEPARTMENT OF  
WASTE RESOURCES  
Hans Kernkamp, General Manager/Chief Engineer

DESIGNED BY:	MR
DRAWN BY:	MR
CHECKED BY:	AC
DATE:	March 2016
DATE OF PHOTOGRAPHY:	n/a

SCALE:	as shown
POLDER:	Pedley/16pe/Projects
POLDER:	Slope Repair/Project Drawings
FILE:	Pedley Change Order Slope Repair.dgn
MODEL:	Default
SHEET	2 OF 7

### Construction Notes

- ① Excavate Refuse to the lines and grades shown on the Project Drawings.
- ② Stockpile excavated refuse along Top Deck to the lines and grades shown on the Project Drawings and per detail: 
- ③ Construct ACB mat termination trench perpendicular to the slope per details: 

Approximate Refuse Excavation Quantity: 450 CY

### Legend

-  Project Limits (Line not to scale)
-  Grading Limits
-  Approx. Edge of (Trash) FE
-  Property Line
-  Ground Contours
-  Gravel Matting (Protect in Place)
-  Design Contours
-  Santa Ana River Trail
-  Slope Repair Disturbance Limits
-  Ordinary High Water Mark (OHWM)
-  Protect in Place Monument Point




SCALE:	22x34: 1"=30' 11x17: 1"=60'
PROJECT:	T:Pedley/16pe/Projects
FILE:	SlopeRepair/Project Drawings
MODEL:	FILE:Pedley Change Order Slope Repair.dgn
SHEET:	Sheet 3 - Refuse Excavation
	3 OF 7

## Pedley Landfill South Slope Repair South Slope Refuse Excavation and Stockpile Plan

E - 6,193,000 (NAD83, NAVD88)


E - 6,192,800 (NAD83, NAVD88)

E - 6,193,400 (NAD83, NAVD88)



Inverse County  
DEPARTMENT OF  
**WASTE RESOURCES**  
Hans Kernkamp, General Manager/Chris L. Engineer

22x34: 1"=30' 11x17: 1"=60'





Datum is mean sea level. Contour interval is 1 foot

DESIGNED BY:	MR
DRAWN BY:	MR
CHECKED BY:	AC
DATE:	April 2016
DATE OF TOPIC:	Dec. 2015














NO.	BY	APPROVED	DATE	REVISIONS

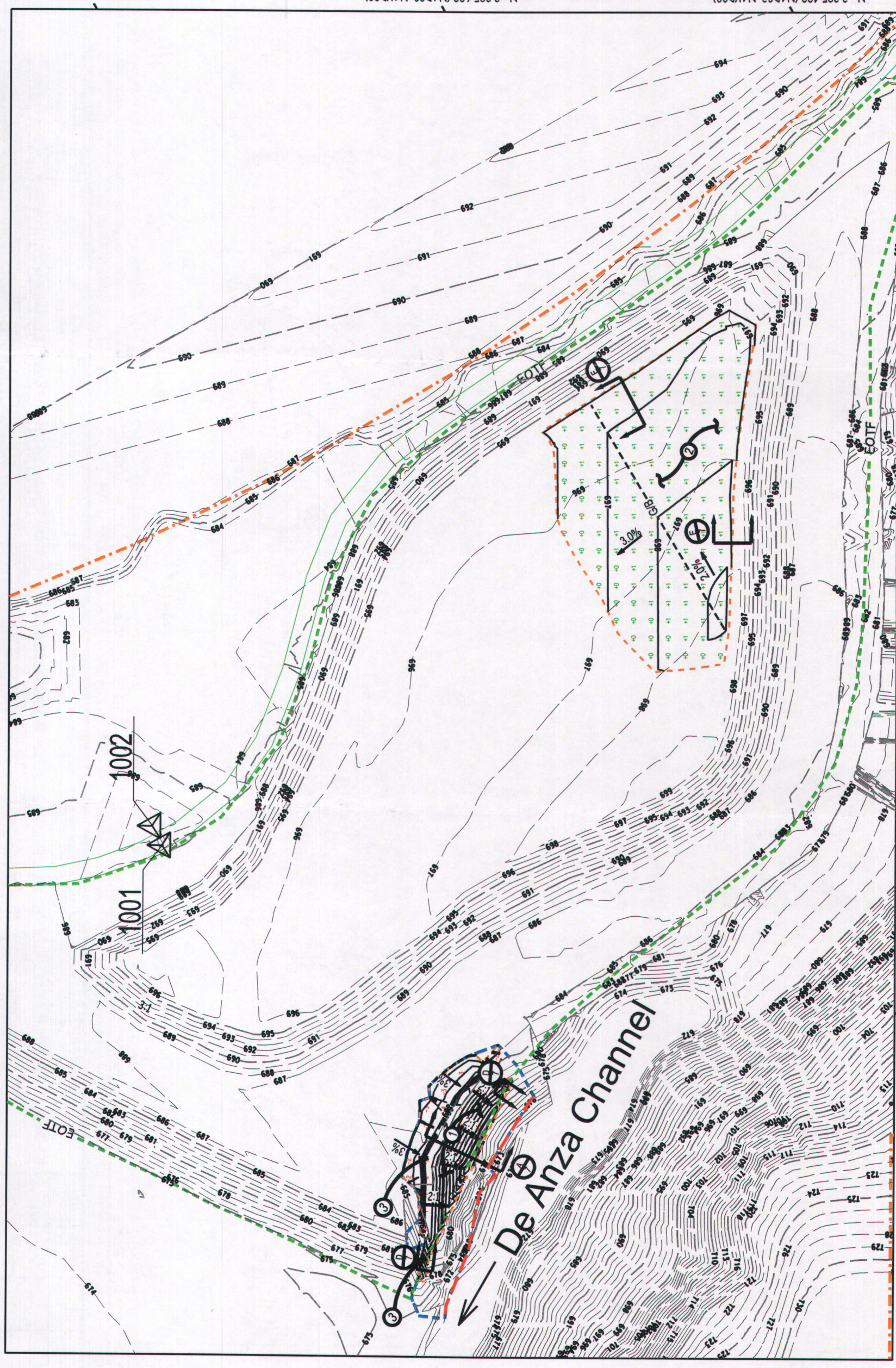
### Construction Notes

- ① Excavate Refuse to the lines and grades shown on the Project Drawings.
- ② Stockpile excavated refuse along Top Deck to the lines and grades shown on the Project Drawings and per detail: 
- ③ Construct ACB mat termination trench perpendicular to the slope per details: 

Approximate Refuse Excavation Quantity: 450 CY

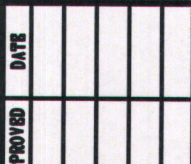
### Legend

-  Project Limits (Line not to scale)
-  Grading Limits
-  EOTF
-  Property Line
-  Ground Contours
-  Groundwater Monitoring Well (Protect in Place)
-  Design Contours
-  Santa Ana River Trail
-  Slope Repair Disturbance Limits
-  Ordinary High Water Mark (OHWM)
-  Protect in Place Monument Point
-  Resultant Cut Depth, to nearest foot
-  Resultant Fill Depth, to nearest foot



NO.	REVISIONS	BY	APPROVED	DATE

DESIGNED BY:	MIR
DRAWN BY:	MIR
CHECKED BY:	AC
DATE:	April 2016
DATE OF TOPG:	Dec. 2015

	
Hon. Kenneth L. ... General Manager / Chief Engineer	

SCALE:	22x34: 1"=30' 11x17: 1"=60'
PROJECT:	T:/Pedley/16pe/Projects
FILE:	SlopeRepair/Project Drawings
MODEL:	Sheet 3 - Refuse Excavation Isopach
SHEET 4 OF 7	

## Pedley Landfill South Slope Repair South Slope Refuse Excavation and Stockpile Plan Isopach

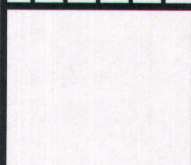
E - 6,193,000 (NAD83, NAVD88)

E - 6,192,800 (NAD83, NAVD88)

E - 6,193,200 (NAD83, NAVD88)



DESIGNED BY:	MIR
DRAWN BY:	MIR
CHECKED BY:	AC
DATE:	April 2016
DATE OF TOPG:	Dec. 2015

	
Hon. Kenneth L. ... General Manager / Chief Engineer	

SCALE:	22x34: 1"=30' 11x17: 1"=60'
PROJECT:	T:/Pedley/16pe/Projects
FILE:	SlopeRepair/Project Drawings
MODEL:	Sheet 3 - Refuse Excavation Isopach
SHEET 4 OF 7	

## Pedley Landfill South Slope Repair South Slope Refuse Excavation and Stockpile Plan Isopach

E - 6,193,000 (NAD83, NAVD88)




E - 6,192,800 (NAD83, NAVD88)

E - 6,193,200 (NAD83, NAVD88)

N - 2,295,400 (NAD83, NAVD88)      N - 2,295,600 (NAD83, NAVD88)      N - 2,295,800 (NAD83, NAVD88)



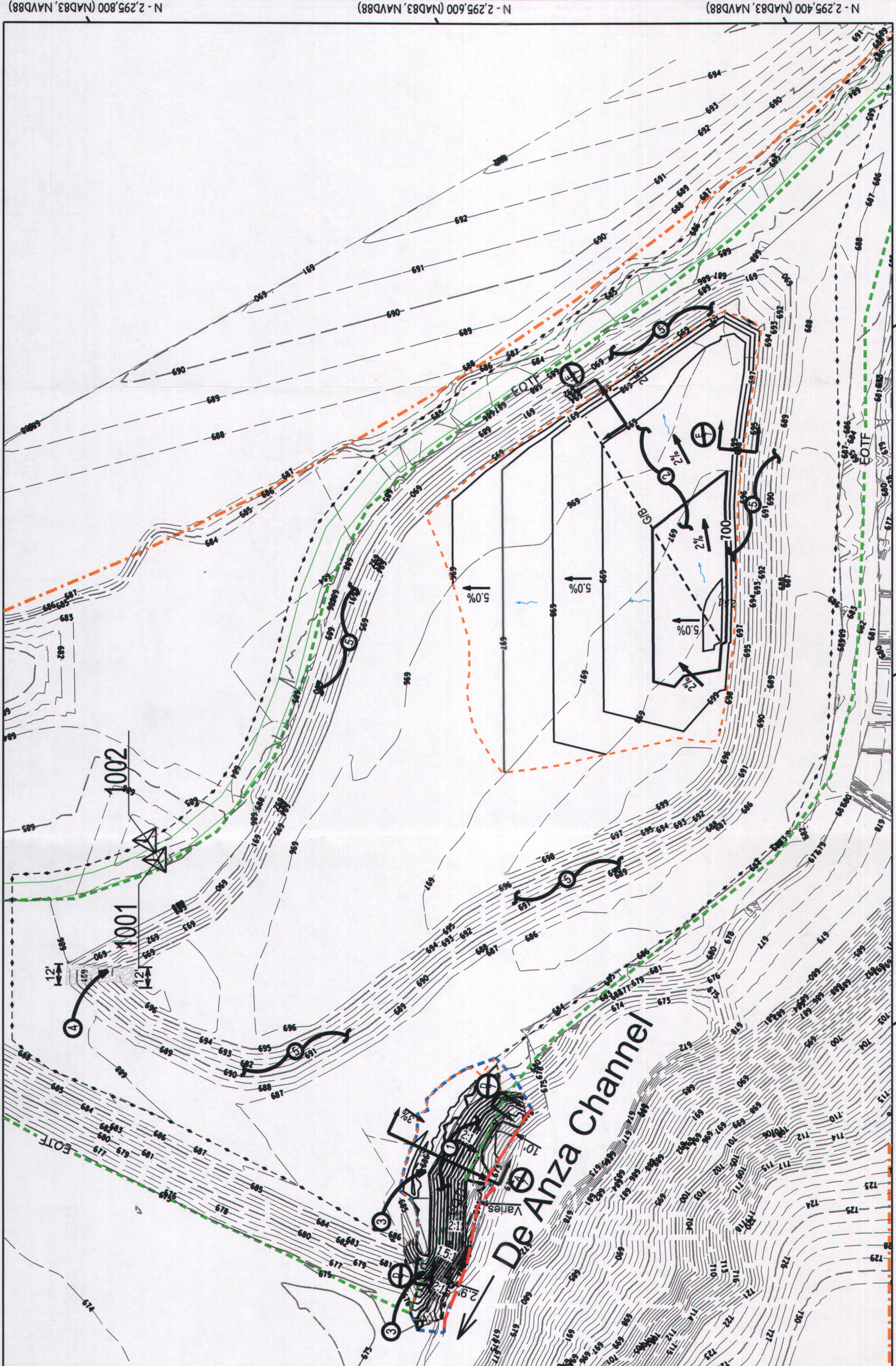
### Construction Notes

- 1 Place and Prepare Engineered Fill to the lines and grades shown on the Project Drawings and per detail: 
- 2 Place Cover over refuse stockpile along Top Deck to the lines and grades shown on the Project Drawings and per detail: 
- 3 Construct ACB mat termination trench perpendicular to the slope and install ACB per details: 
- 4 Install 12" thick Class II Aggregate Base to the lines and grades shown on the Project Drawings.
- 5 Fill in erosion rills, apply and track walk in greenwaste along sideslopes.

Approximate Volume of Engineered Fill on South Slope: 280 CY  
 Approximate Volume of Engineered Fill on Top Deck: 1810 CY


### Legend

-  Project Limits (Line not to scale)
-  Grading Limits
-  EOTF
-  Property Line
-  Ground Contours
-  Groundwater Monitoring Well (Protect in Place)
-  Constructed Hinge Line
-  Constructed Toe Line
-  Design Contours
-  Santa Ana River Trail
-  Slope Repair Disturbance Limits
-  Ordinary High Water Mark (OHWM)
-  Protect to Place Monument Point
-  Flowline

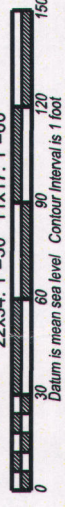


NO.	REVISIONS	BY	APPROVED	DATE

DESIGNED BY: MR  
 DRAWN BY: MR  
 CHECKED BY: AC  
 DATE: March 2016  
 DATE OF TOPO: Dec. 2015

  
 Inverse County  
 DEPARTMENT OF  
**WASTE RESOURCES**  
 Hons. Kernkamp, General Manager/Chief Engineer

22x34: 1"=30' 11x17: 1"=60'  
 Datum is mean sea level Contour Interval is 1 foot








E - 6,192,800 (NAD83, NAVD88)  
 E - 6,193,200 (NAD83, NAVD88)

Pedley Landfill  
 South Slope Repair  
**South Slope and Top Deck Refuse  
 Stockpile Grading Plan**

SCALE:	22x34: 1"=30' 11x17: 1"=60'
FOLDER:	T:\Pedley\16pe\Projects
FILE:	SlopeRepair\Project Drawings
MODEL:	SlopeRepair\Change Order Slope Repair.dgn
SHEET:	5 OF 7

N - 2,295,400 (NAD83, NAVD88)  
 N - 2,295,600 (NAD83, NAVD88)  
 N - 2,295,800 (NAD83, NAVD88)

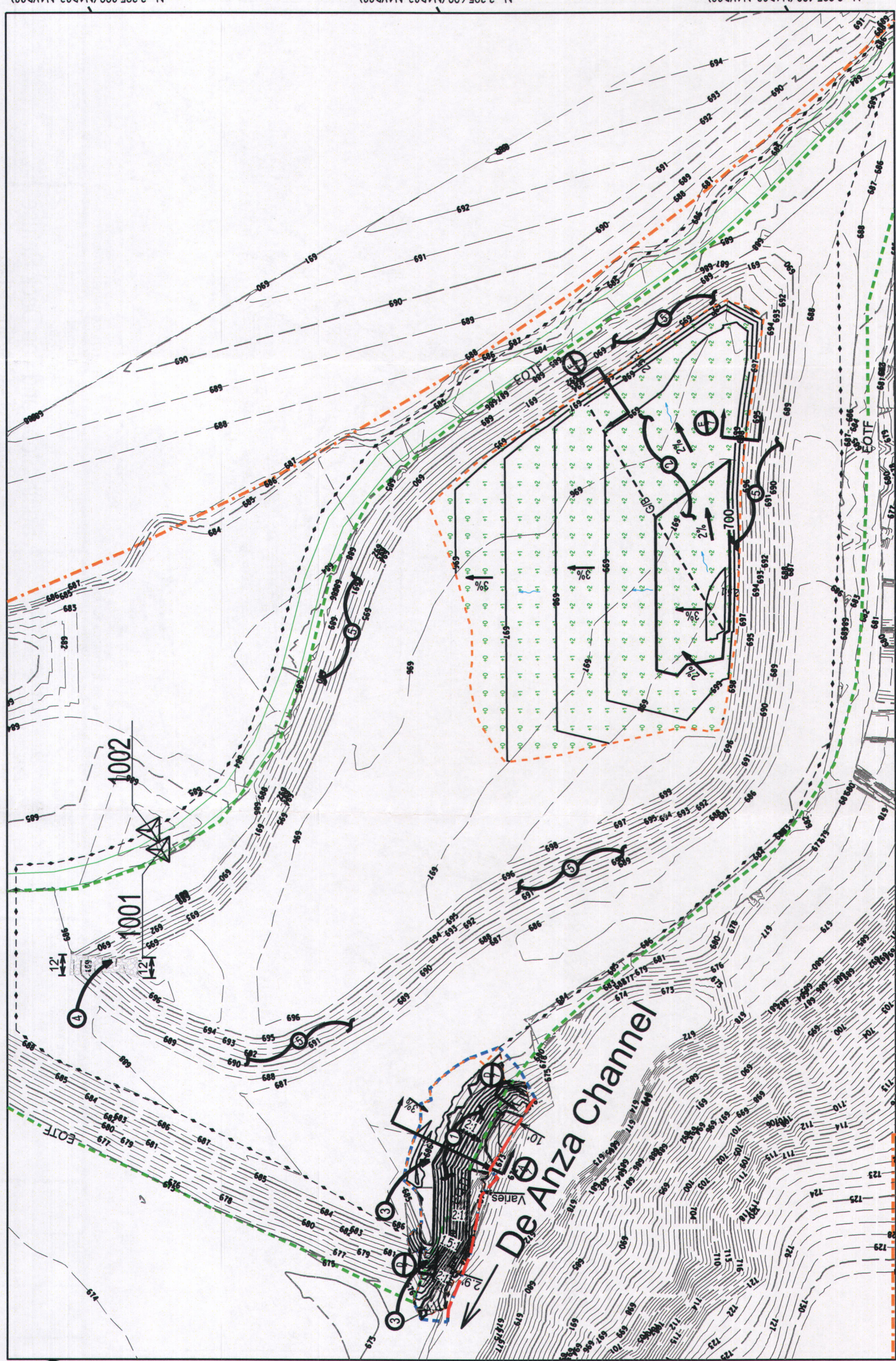
### Construction Notes

- 1 Place and Prepare Engineered Fill to the lines and grades shown on the Project Drawings and per detail: 
- 2 Place Cover over refuse stockpile along Top Deck to the lines and grades shown on the Project Drawings and per detail: 
- 3 Construct ACB mat termination trench perpendicular to the slope and install ACB per details: 
- 4 Install 12" thick Class II Aggregate Base to the lines and grades shown on the Project Drawings. 
- 5 Fill in erosion rills, apply and track walk in greenwaste along sideslopes. 

Approximate Volume of Engineered Fill on South Slope: 280 CY  
 Approximate Volume of Engineered Fill on Top Deck: 1810 CY

### Legend

-  Project Limits (Line not to scale)
-  Grading Limits
-  Approx. Edge of (Trash) Fill
-  Property Line
-  Ground Contours
-  Groundwater Monitoring Well (Protect in Place)
-  Constructed Hinge Line
-  Constructed Toe Line
-  Design Contours
-  Santa Ana River Trail
-  Slope Repair Disturbance Limits
-  Ordinary High Water Mark (OHWM)
-  Protection in Place
-  Measurement Point
-  Flowline
-  Residual Cut Depth, to nearest foot 10' x 10' Grid
-  Residual Fill Depth, to nearest foot 10' x 10' Grid

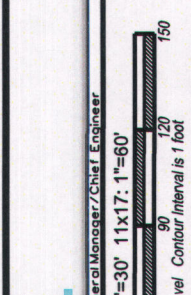


E - 6,192,800 (NAD83, NAVD88)      E - 6,193,000 (NAD83, NAVD88)      E - 6,193,200 (NAD83, NAVD88)

NO.	REVISIONS	BY	APPROVED	DATE

DESIGNED BY:	MR
DRAWN BY:	MR
CHECKED BY:	AC
DATE OF TOPO:	March 2016
DATE OF THIS:	Dec. 2015


  
 HANS KERNKAMP, General Manager/Chief Engineer



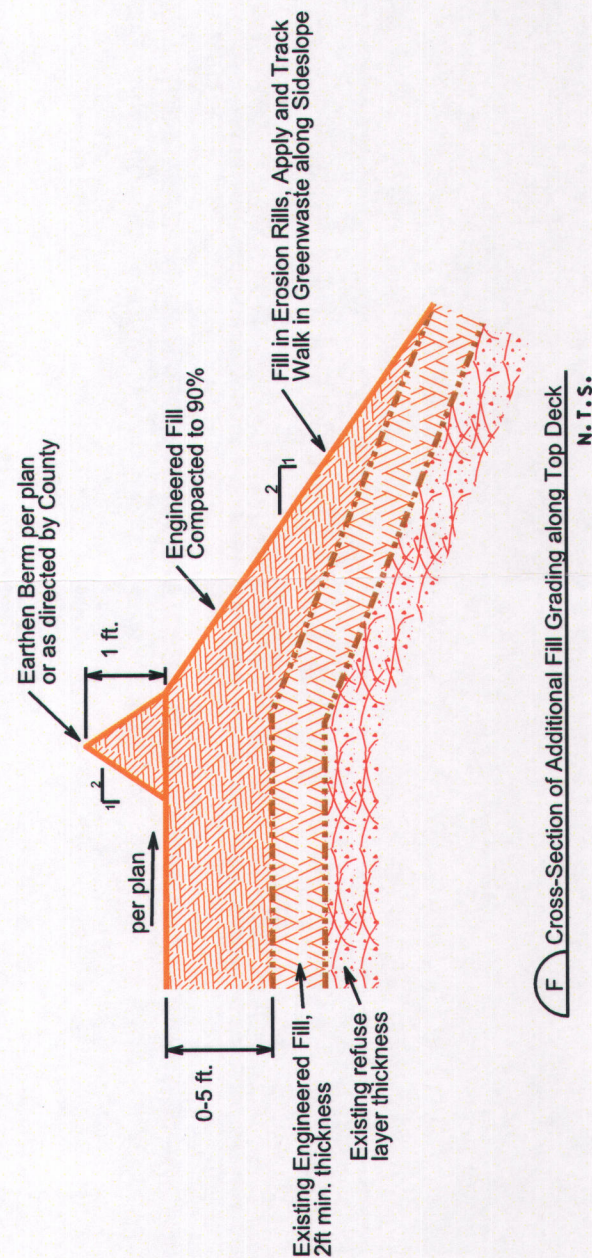
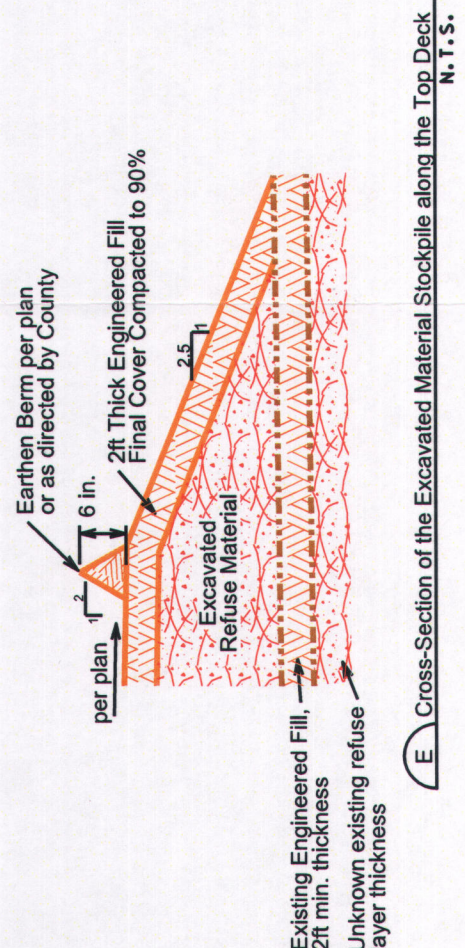
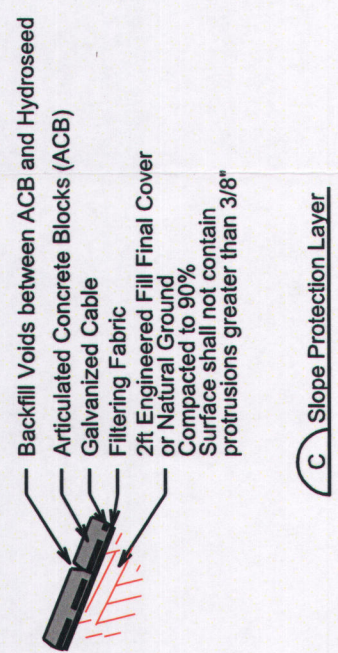
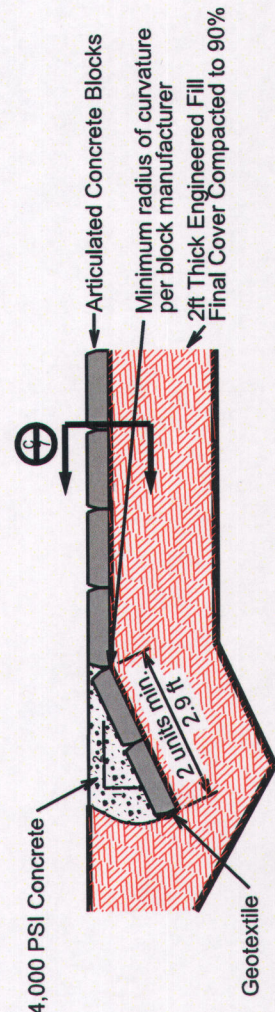
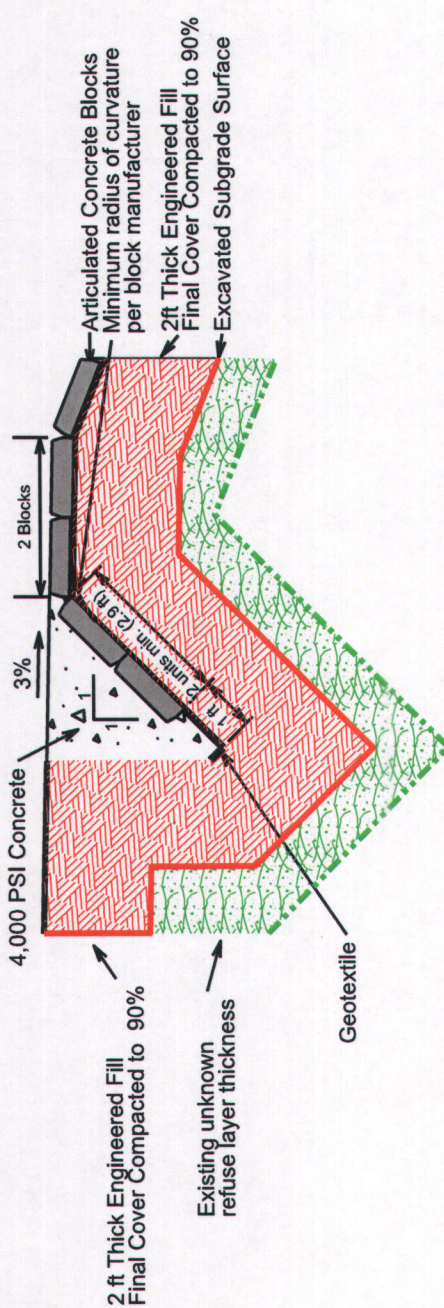
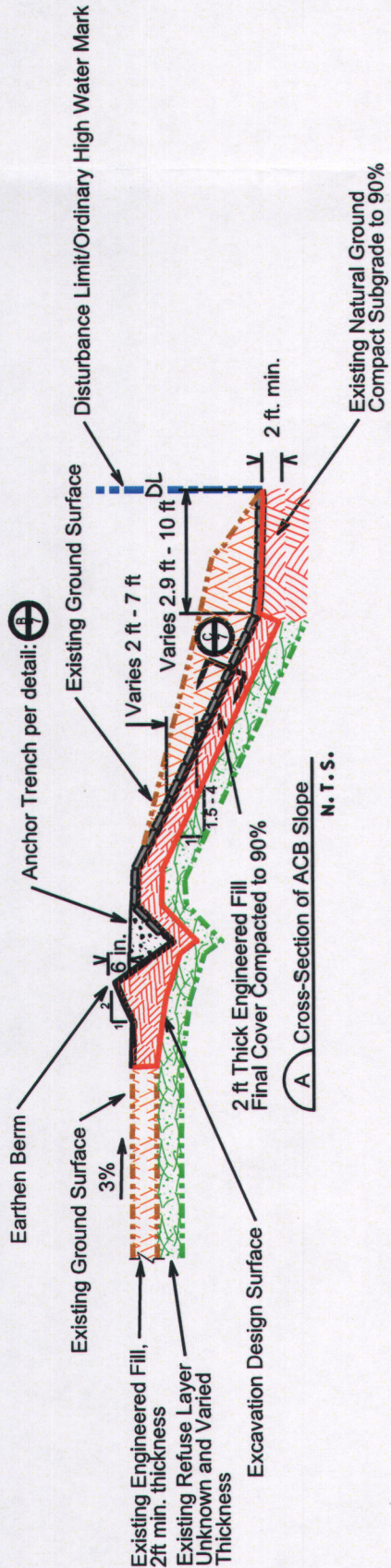
## Pedley Landfill South Slope Repair South Slope and Top Deck Refuse Stockpile Grading Plan Isopach

SCALE:	22x34: 1"=30' 11x17: 1"=60'
FOUNDER:	T:\Pedley\16per\Projects
FOUNDER:	SlopeRepair\Project Drawings
FILE/Pedley Change Order Slope Repair.dgn	
MODEL:	Sheet 6 - Grading Plan Isopach
SHEET:	6 OF 7

N - 2,295,800 (NAD83, NAVD88)

N - 2,295,600 (NAD83, NAVD88)

N - 2,295,400 (NAD83, NAVD88)



NO.	REVISIONS	BY	APPROVED	DATE	DESIGNED BY:	MR
					DRAWN BY: <td>MR</td>	MR
					CHECKED BY: <td>AC</td>	AC
					DATE: <td>April 2016</td>	April 2016
					DATE OF TOPO: <td>NA</td>	NA

 Hons Kernkamp, General Manager/Chief Engineer		<b>Pedley Landfill</b> South Slope Repair <h2 style="text-align: center;">Cross-Sections and Details</h2>	SCALE: NA FOLDER: T:\Pedley\16pe\Projects FOLDER: SlopeRepair\Project Drawings FILE: Pedley Change Order Slope Repair.dgn MODEL: Sheet 7 - Construction Details SHEET 7 OF 7
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