US DOE RFETS Rec Mgmt
8943031

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

# ACCELERATED ACTION DESIGN FOR THE ORIGINAL LANDFILL

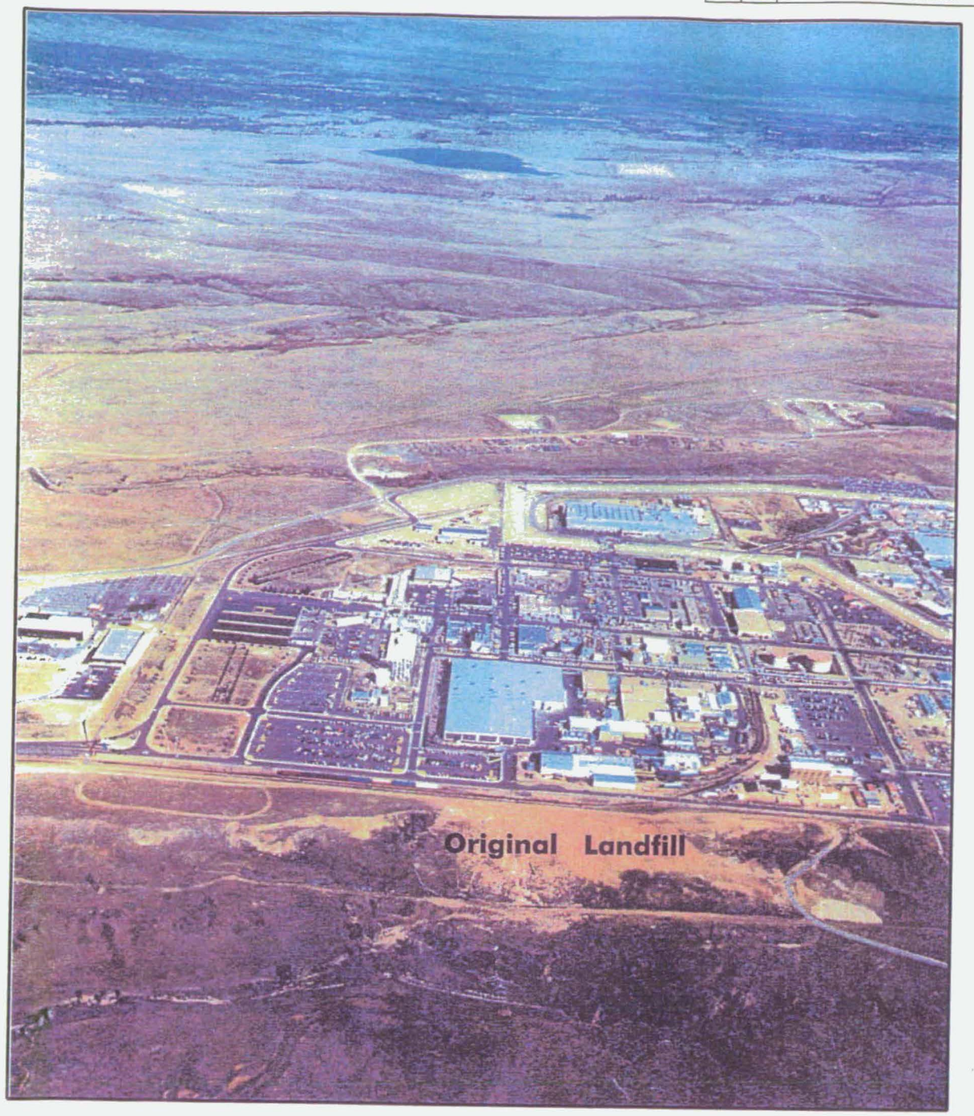
# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

# DESIGN DRAWINGS

GOLDEN
COLORADO

DRAWINGS
MAY 2005

FINAL COPY



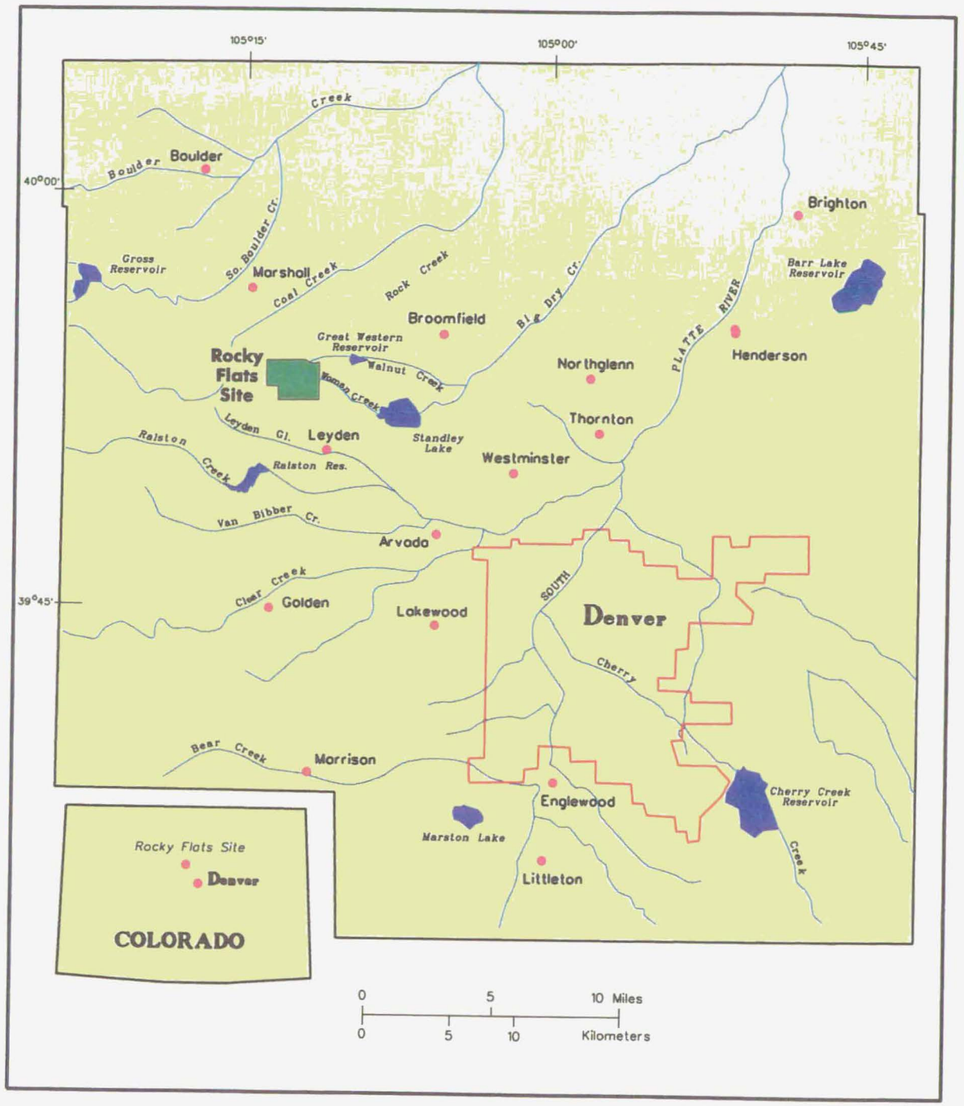

AERIAL VIEW LOOKING NORTH
December 21, 1987

COLORADO REGISTERED
RANDALL C. THOMPSON
30638
5/12/05
PROFESSIONAL ENGINEER

EARTH TECH
EARTH TECH, INC.
5575 DTC PARKWAY
SUITE 200
ENGLEWOOD, CO 80111
(303) 694-6660

# DESIGN OF AN ENGINEERED COVER FOR THE ORIGINAL LANDFILL
## SHEET INDEX

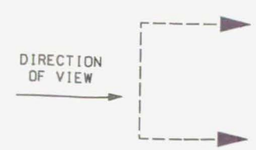
## VICINITY MAP





| SHEET NO. | DESCRIPTION |
|---|---|
| 51788-X001 | RFETS OLF COVER SHEET |
| 51788-001 | VICINITY MAP AND DRAWING INDEX |
| 51788-002 | EXISTING CONDITIONS |
| 51788-003 | BUTTRESS FOOTING EXCAVATION |
| 51788-004 | BUTTRESS CONSTRUCTION GRADES |
| 51788-005 | CUT/FILL ISOPACH OF 1-FOOT LOWERED REGRADE SURFACE |
| 51788-006 | DESIGN TOP OF REGRADE SURFACE FINAL CONTOURS |
| 51788-007 | DESIGN TOP OF FINAL COVER CONTOURS |
| 51788-008 | DESIGN CHANNELS |
| 51788-009 | SURFACE WATER MANAGEMENT PLAN |
| 51788-010 | LANDFILL WIDE CROSS SECTIONS |
| 51788-011 | LANDFILL COVER DETAILS BUTTRESS CONSTRUCTION |
| 51788-012 (A&B) | LANDFILL COVER DETAILS SURFACE WATER CONTROLS |
| 51788-013 | BUTTRESS CROSS SECTIONS |
| 51788-014 | FINAL COVER PERIMETER TIE IN DETAILS |
| 51788-015A | TYPICAL WEST CHANNEL CROSS SECTIONS FOR CONSTRUCTION |
| 51788-015B | TYPICAL EAST CHANNEL CROSS SECTIONS FOR CONSTRUCTION |


## DETAIL DESIGNATION




COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

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| ISSUE | REVISION DESCRIPTION | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EARTH TECH DESIGN COMPANY | DATE | DSGN | DWN | CHKD | IV | APVD | | | CLASS | PROJECT/CHARGE NO. |
| 0 | ORIGINAL ISSUE | | | | | | | | | | |

DESCRIPTION

PROJECT/WCF NO. 020525

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

VICINITY MAP AND DRAWING INDEX
ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

KEYWORDS: 1. 2. 3. 4. 5.

BLDG./FACILITY: SITE
ROOM/AREA: NA
GRID COORD./COL NO.: NA

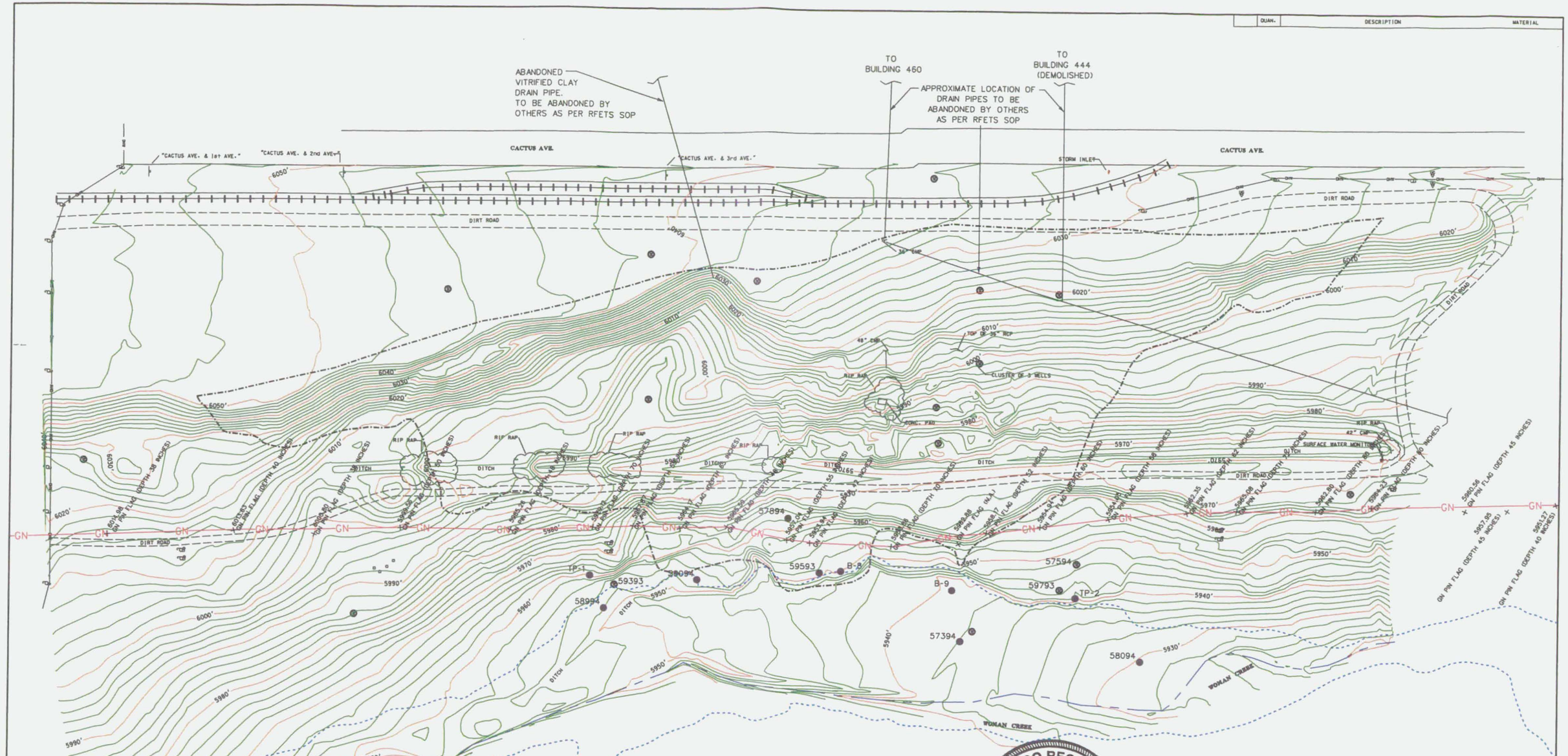
TOLERANCES: FRACT. : ANGLE : DEC. : UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY: NA
SCALE: AS SHOWN

DESIGN COMPANY: E A R T H T E C H
DESIGNED BY: RCT 5/12/5
DRAWN BY: AGS 5/12/05
CHECKED BY: REA 5/12/5
INDEPENDENT VERIFIER: SRL 5/12/5
APPROVED BY: RCT 5/12/5
CLASSIFIER
LANDLORD

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-001 | 0 |

GROUP\CAD\ROCKY_FLATS\OIF_2005\LOCATION\LOCATION.DGN 3/3/05

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




## LEGEND

- APPROIXAME LIMIT OF WASTE
- ℄ WOMAN CREEK
- FLOOD (100 YEAR)
- UNDERGROUND GAS LINE MARKER
- BOREHOLE OR TEST PIT
- MONITORING WELL ABANDONED
- CONCRETE PAD
- UTILITY POLE
- UTILITY POLE (STUB)
- OVERHEAD WIRE
- RAILROAD TRACK
- RIP RAP
- DIRT ROAD
- GN NATURAL GAS LINE

## NOTES:

- ELEVATIONS SHOWN HEREON ARE BASED UPON THE "ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE - SURVEYING CONTROL MAP" DRAWING NO. 15501-0150, DATED 6/ INFORMATION PROVIDED BY MONTGOMERY-PHILLIPS, INC. LAND SURVEYING.
- CONTOUR LINES ARE AT TWO (2) FOOT INTERVALS.
- FIELD WORK WAS DONE IN JANUARY OF 2004.
- GAS LINE PIPELINE PIN FLAT ELEVATIONS ARE AT EXISTING GROUND SURFACE.
- DEPTHS REPORTED AS LABLED ON PIN FLAGS.

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

N

0' 70 140'

FINAL COPY

| ISSUE | REVISION DESCRIPTION | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | | PROJECT/WCF NO. 020525 |

DESCRIPTION

KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH
DESIGNED BY RCT
DRAWN BY
CHECKED BY RCT
INDEPENDENT VERIFIER SRL
APPROVED BY RCT
CLASSIFIER

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

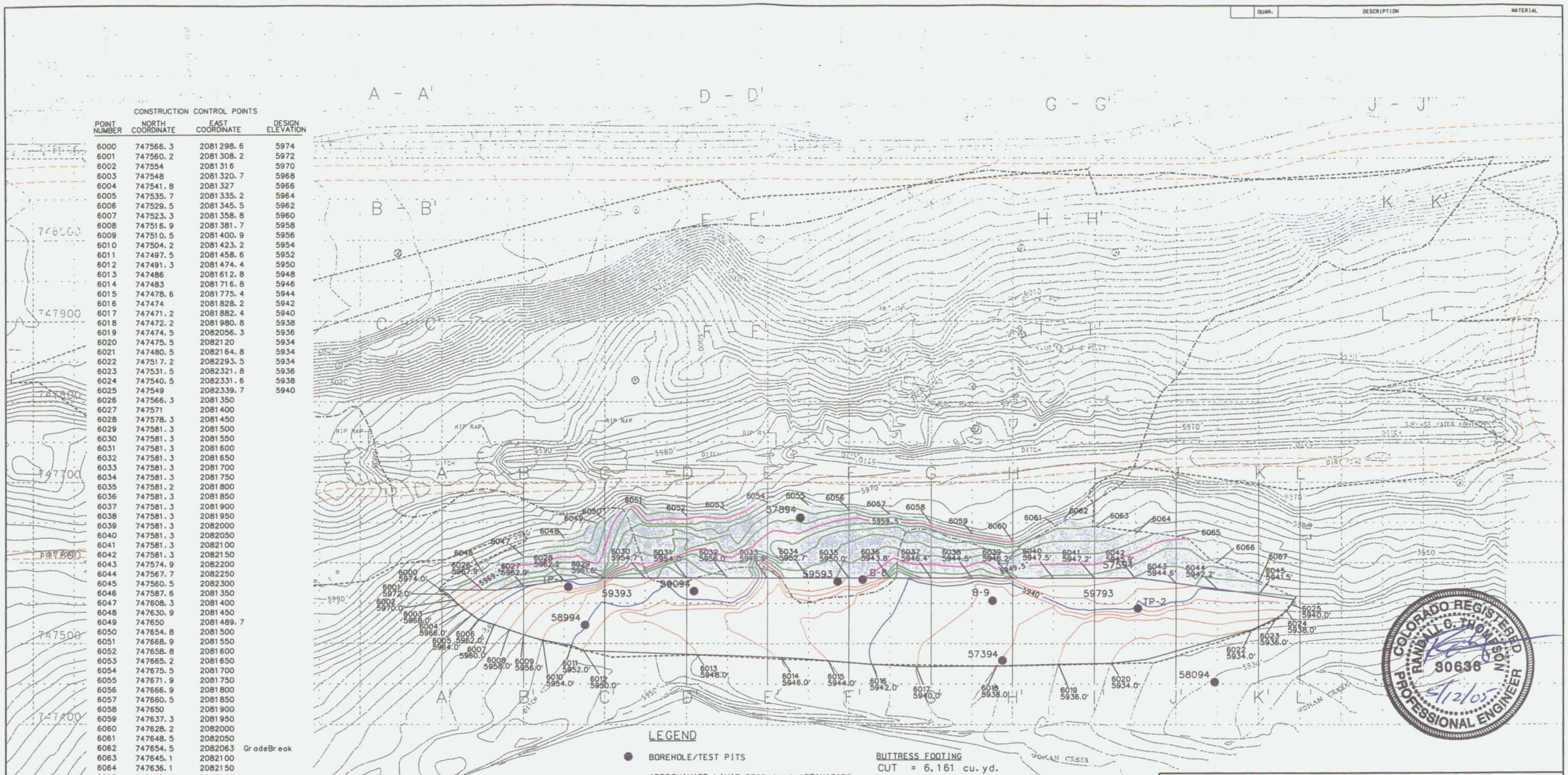
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# EXISTING CONDITIONS
# ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-002 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\EXISTCOND\EXISTCON.dgn Date: 3-2005

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 6000 | 747566.3 | 2081298.6 | 5974 |
| 6001 | 747560.2 | 2081308.2 | 5972 |
| 6002 | 747554 | 2081316 | 5970 |
| 6003 | 747548 | 2081320.7 | 5968 |
| 6004 | 747541.8 | 2081327 | 5966 |
| 6005 | 747535.7 | 2081335.2 | 5964 |
| 6006 | 747529.5 | 2081345.5 | 5962 |
| 6007 | 747523.3 | 2081358.8 | 5960 |
| 6008 | 747516.9 | 2081381.7 | 5958 |
| 6009 | 747510.5 | 2081400.9 | 5956 |
| 6010 | 747504.2 | 2081423.2 | 5954 |
| 6011 | 747497.5 | 2081458.6 | 5952 |
| 6012 | 747491.3 | 2081474.4 | 5950 |
| 6013 | 747486 | 2081612.8 | 5948 |
| 6014 | 747483 | 2081716.8 | 5946 |
| 6015 | 747478.6 | 2081775.4 | 5944 |
| 6016 | 747474 | 2081828.2 | 5942 |
| 6017 | 747471.2 | 2081882.4 | 5940 |
| 6018 | 747472.2 | 2081980.8 | 5938 |
| 6019 | 747474.5 | 2082056.3 | 5936 |
| 6020 | 747475.5 | 2082120 | 5934 |
| 6021 | 747480.5 | 2082164.8 | 5934 |
| 6022 | 747517.2 | 2082293.5 | 5934 |
| 6023 | 747531.5 | 2082321.8 | 5936 |
| 6024 | 747540.5 | 2082331.6 | 5938 |
| 6025 | 747549 | 2082339.7 | 5940 |
| 6026 | 747566.3 | 2081350 | |
| 6027 | 747571 | 2081400 | |
| 6028 | 747578.3 | 2081450 | |
| 6029 | 747581.3 | 2081500 | |
| 6030 | 747581.3 | 2081550 | |
| 6031 | 747581.3 | 2081600 | |
| 6032 | 747581.3 | 2081650 | |
| 6033 | 747581.3 | 2081700 | |
| 6034 | 747581.3 | 2081750 | |
| 6035 | 747581.2 | 2081800 | |
| 6036 | 747581.3 | 2081850 | |
| 6037 | 747581.3 | 2081900 | |
| 6038 | 747581.3 | 2081950 | |
| 6039 | 747581.3 | 2082000 | |
| 6040 | 747581.3 | 2082050 | |
| 6041 | 747581.3 | 2082100 | |
| 6042 | 747581.3 | 2082150 | |
| 6043 | 747574.9 | 2082200 | |
| 6044 | 747567.7 | 2082250 | |
| 6045 | 747560.5 | 2082300 | |
| 6046 | 747587.6 | 2081350 | |
| 6047 | 747608.3 | 2081400 | |
| 6048 | 747630.9 | 2081450 | |
| 6049 | 747650 | 2081489.7 | |
| 6050 | 747654.8 | 2081500 | |
| 6051 | 747668.9 | 2081550 | |
| 6052 | 747658.8 | 2081600 | |
| 6053 | 747665.2 | 2081650 | |
| 6054 | 747675.5 | 2081700 | |
| 6055 | 747671.9 | 2081750 | |
| 6056 | 747666.9 | 2081800 | |
| 6057 | 747660.5 | 2081850 | |
| 6058 | 747650 | 2081900 | |
| 6059 | 747637.3 | 2081950 | |
| 6060 | 747628.2 | 2082000 | |
| 6061 | 747648.5 | 2082050 | |
| 6062 | 747654.5 | 2082063 | GradeBreak |
| 6063 | 747645.1 | 2082100 | |
| 6064 | 747636.1 | 2082150 | |
| 6065 | 747633.1 | 2082200 | |
| 6066 | 747601.1 | 2082250 | |
| 6067 | 747575.8 | 2082300 | |

| Borehole or test pit | Depth to First Granular Soils (alluvium) | Depth from Surface to Weathered Bedrock |
|---|---|---|
| B-8 | 8.0 | 14.5 |
| B-9 | 6.0 | 6.5 |
| TP-2 | 4.0 | 6.5 |
| TP-1 | 0.0 | 12.5 |
| 58994 | 0.0 | 4.5 |
| 59094 | 0.0 | 11.5 |
| 57394 | 0.0 | 7.4 |
| 57594 | silt and clay to bedrock | 16.5 |
| 59393 | 0.5 | 7.5 |
| 57894 | 3.2 | >10 |
| 59593 | 3.0 | 14.4 |
| 59793 | 9.3 | 13.3 |
| 58094 | 0.0 | 10 |

## LEGEND

- BOREHOLE/TEST PITS
- APPROXIMATE LIMIT REGRADING ACTIVITIES
- GRAVEL ROAD
- APPROXIMATE LIMIT OF WASTE
- 10 FOOT CONTOUR
- 2 FOOT CONTOUR
- N 40000 / E 20000 GRID COORDINATE SYSTEM

**BUTTRESS FOOTING**

CUT = 6,161 cu. yd.
FILL = 0 cu. yd.
NET = 6,161 cu. yd.
AREA = 2.07 ACRES

**BACKSLOPE / SHADED AREA WITH 6" CUT**

CUT = 1,154 cu. yd.
FILL = 5.3 cu. yd.
NET = 1,149cu. yd.
AREA = 1.44 ACRES

SEE DRAWING - 011 FOR SECTION

## NOTES:

The footprint surface shall be prepared by stripping and removing all vegetation, root matter, and other organics and deleterious materials. In addition to stripping, soft, unconsolidated fine-grained alluvial materials (such as Unified Soil Classification System CH, CL, ML materials), particularly highly plastic clays, shall be removed to a firm/dense condition judged suitable for the buttress foundation, as determined in the field during construction by a site engineer or geologist. the final foundation surface shall be in a condition to accept installation of the geogrid per manufacturers recommendations and is anticipated to be a relatively dense granular material (such as Unified Soil classification System SC or GC, SW or SP, or GW or GP materials). The anticipated average excavation depth for foundation preparation is 2 feet. The final excavation depth and requirements are subject to adjustment in the field during construction as determined by a site engineer or geologist. All final foundation surfaces shall be approved by the site engineer or geologist prior to placement of materials for buttress and blanket drain construction.

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| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 51378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | PROJECT/WCF NO. G20525 |

DESCRIPTION

KEYWORDS: 1. 2. 3. 4. 5.

BLDG./FACILITY

ROOM/AREA

GRID COORD./COL. NO.

TOLERANCES: FRACT. ± ; ANGLE ± ; DEC. ± ; UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

NEXT ASSEMBLY

SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH

| | | | |
|---|---|---|---|
| DESIGNED BY | RCT | DT | 5/12/05 |
| DRAWN BY | AGS | AGS | 5/12/05 |
| CHECKED BY | REA | REA | 5/12/05 |
| INDEPENDENT VERIFIER | SRL | SRL | 5/12/05 |
| APPROVED BY | RCT | RCT | 5/12/05 |
| CLASSIFIER | | | |

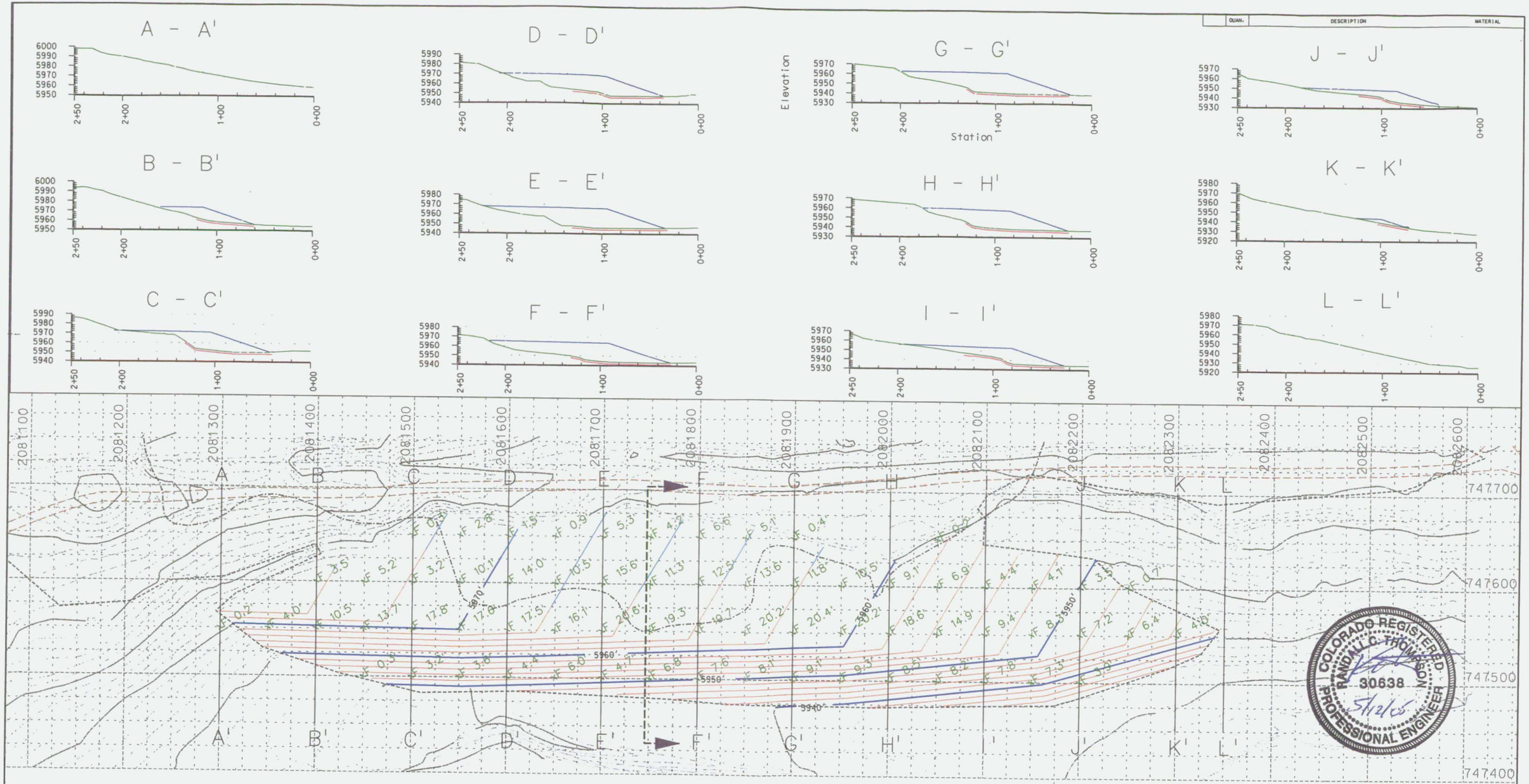
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# BUTTRESS FOOTING EXCAVATION
# ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-003 | 0 |

GROUP\CAD\ROCKY_FLATS\OIf_2005\ExistCond\ExDn2ft.dgn Date: 3-2005




| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

LEGEND

- APPROXIMATE LIMIT REGRADING ACTIVITIES
- GRAVEL ROAD
- APPROXIMATE LIMIT OF WASTE
- 10 FOOT CONTOUR
- 2 FOOT CONTOUR
- N 40000 E 20000 GRID COORDINATE SYSTEM

| LINE | SURFACE |
|---|---|
| | Buttress |
| | Existing Surface |
| | Existing Surface Dropped 2ft |

Scaled 1.00 Times Ver.
Scaled 1.00 Times Hor.

CUT = 137 cu. yd.
FILL = 51,997cu. yd.
NET = -51,860 cu. yd.

N

0' 50 100'

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| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 51378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 ISSUE | ORIGINAL ISSUE | | | PROJECT/WCF NO. 020525 |

DESCRIPTION

KEYWORDS: 1. 2. 3. 4. 5.

BLDG./FACILITY

ROOM/AREA

GRID COORD./COL NO.

TOLERANCES: FRACT. ± ; ANGLE ± ; DEC. ± ; UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

NEXT ASSEMBLY

SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH

| | | |
|---|---|---|
| DESIGNED BY | RCT | 5/12/05 |
| DRAWN BY | AGS | 5/12/05 |
| CHECKED BY | KA | 5/12/05 |
| INDEPENDENT VERIFIER | SAL | 5/12/05 |
| APPROVED BY | RCT | 5/12/05 |
| CLASSIFIER | | |

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

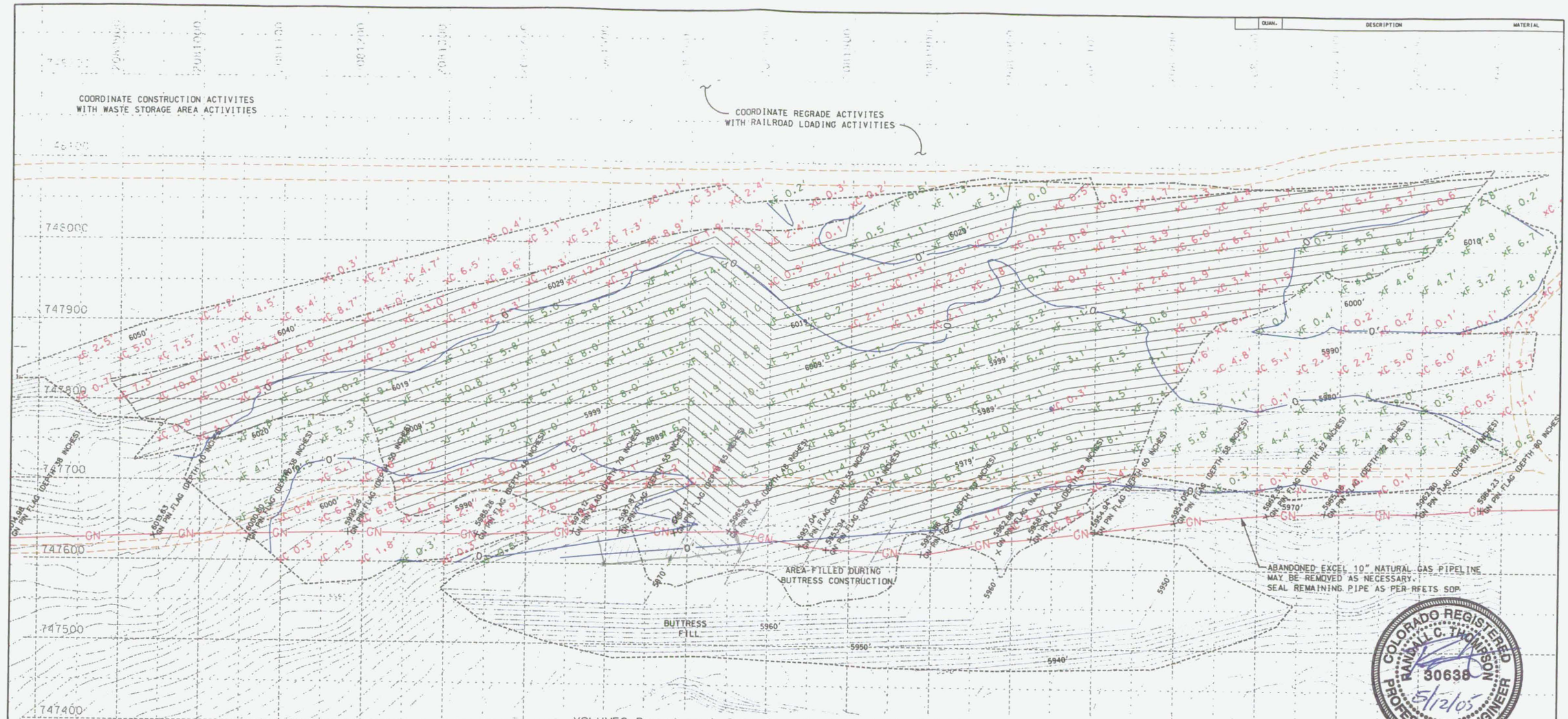
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# BUTTRESS CONSTRUCTION GRADES
## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-004 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Buttress\Xsects.dgn Date: 3-2005

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




VOLUMES Based on 1 foot Drop inside Limit of Waste

CUT = 42,093 cu. yd.
FILL = 71,941 cu. yd.
NET = -29,848 cu. yd.

LIMIT OF WASTE AREA = 10.3 Acres
INSIDE 1 FOOT DROP OF REGRADES = 9.6 Acres

NOTE: CUT/FILL NUMBERS ARE APPROXIMATE. APPROXIMATELY 1-FOOT OF REGRADE WILL BE PLACED OVER THIS ENTIRE SURFACE WITHIN WASTE BOUNDARY TO REACH FINAL REGRADE FILL CONTOURS.

## LEGEND

- APPROXIMATE LIMIT REGRADING ACTIVITIES
- APPROXIMATE LIMIT OF WASTE
- C 1.0' CUT DEPTH
- F 1.0' FILL DEPTH
- 0' ZERO CUT/FILL LINE
- GN NATURAL GAS LINE
- GRAVEL ROAD
- 10 FOOT CONTOUR
- 2 FOOT CONTOUR
- UNDERGROUND GAS LINE MARKER
- MONITORING WELL
- CONCRETE PAD
- UTILITY POLE
- UTILITY POLE (STUB)
- OVERHEAD WIRE
- RAILROAD TRACK
- RIP RAP
- N 40000 E 20000 GRID COORDINATE SYSTEM

## NOTES:

- REGRADED WASTE WILL REMAIN WITHIN THE APPROXIMATE LIMITS OF WASTE.
- WASTE FOUND OUTSIDE OF THE "LIMITS OF WASTE" WILL BE EXCAVATED AND PLACED WITHIN THE "LIMITS OF WASTE" BOUNDARY.
- ELEVATIONS SHOWN HEREON ARE BASED UPON THE "ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE - SURVEYING CONTROL MAP" DRAWING NO. 15501-0150, DATED 6/6/00. INFORMATION PROVIDED BY MONTGOMERY-PHILLIPS, INC. LAND SURVEYING.
- CONTOUR LINES ARE AT TWO (2) FOOT INTERVALS.
- FIELD WORK WAS DONE IN JANUARY OF 2004.
- GAS LINE PIPELINE PIN FLAT ELEVATIONS ARE AT EXISTING GROUND SURFACE.
- DEPTHS REPORTED AS LABLED ON PIN FLAGS.

N

0' 60 120'

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| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | PROJECT/WCF NO. 020525 |

DESCRIPTION

KEYWORDS
1.
2.
3.
4.
5.

BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH
DESIGNED BY RCT 5/12/05
DRAWN BY RCS 5/12/05
CHECKED BY RCA 5/12/05
INDEPENDENT VERIFIER SRL 5/12/05
APPROVED BY RCT 5/12/05
CLASSIFIER

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

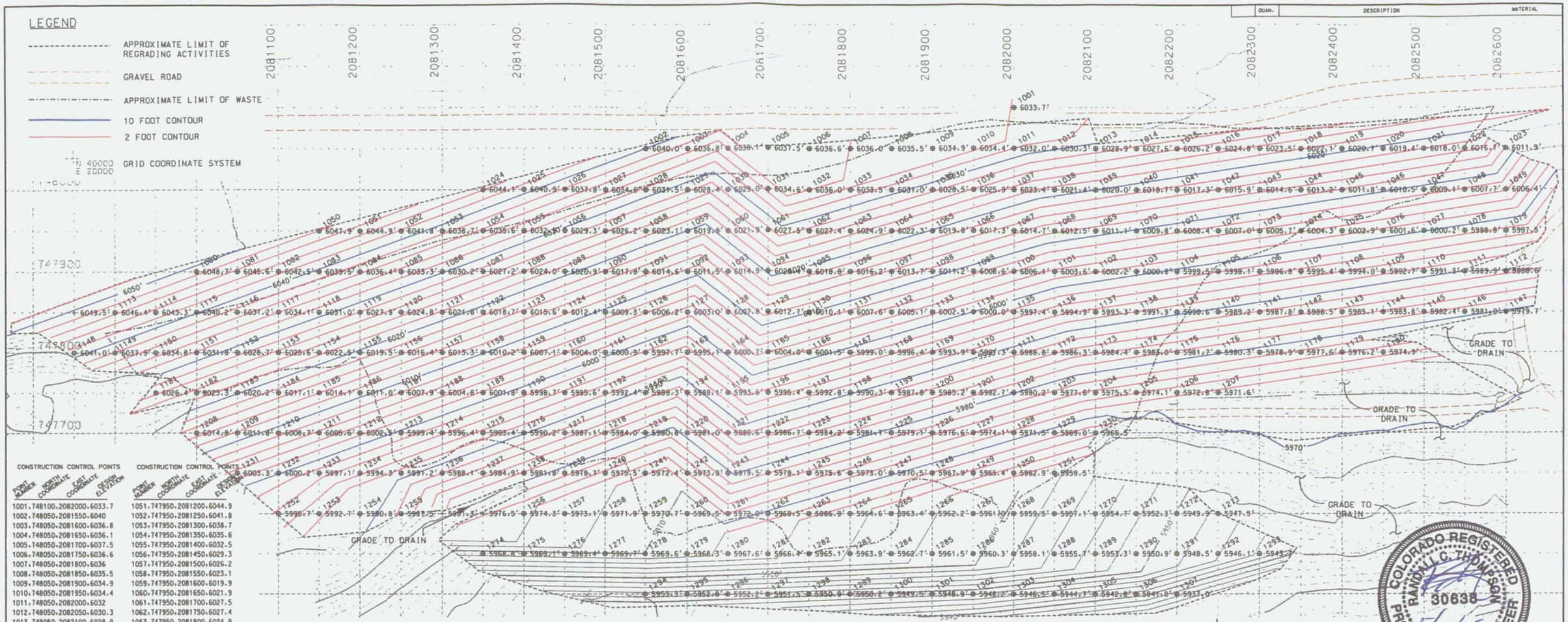
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# CUT/FILL ISOPACH OF 1-FOOT LOWERED REGRADE SURFACE

## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-005 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\CutFill-6aLess1.dgn Date: 3-2005




| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1001 | 747800 | 2082000 | 6033.7 |
| 1002 | 747850 | 2081550 | 6040 |
| 1003 | 748050 | 2081600 | 6036.8 |
| 1004 | 748050 | 2081650 | 6036.1 |
| 1005 | 748050 | 2081700 | 6037.5 |
| 1006 | 748050 | 2081750 | 6036.6 |
| 1007 | 748050 | 2081800 | 6036 |
| 1008 | 748050 | 2081850 | 6035.5 |
| 1009 | 748050 | 2081900 | 6034.9 |
| 1010 | 748050 | 2081950 | 6034.4 |
| 1011 | 748050 | 2082000 | 6032 |
| 1012 | 748050 | 2082050 | 6030.3 |
| 1013 | 748050 | 2082100 | 6028.9 |
| 1014 | 748050 | 2082150 | 6027.6 |
| 1015 | 748050 | 2082200 | 6026.2 |
| 1016 | 748050 | 2082250 | 6024.8 |
| 1017 | 748050 | 2082300 | 6023.5 |
| 1018 | 748050 | 2082350 | 6022.1 |
| 1019 | 748050 | 2082400 | 6020.7 |
| 1020 | 748050 | 2082450 | 6019.4 |
| 1021 | 748050 | 2082500 | 6018 |
| 1022 | 748050 | 2082550 | 6016.7 |
| 1023 | 748050 | 2082600 | 6011.9 |
| 1024 | 748000 | 2081350 | 6044.1 |
| 1025 | 748000 | 2081400 | 6040.9 |
| 1026 | 748000 | 2081450 | 6037.8 |
| 1027 | 748000 | 2081500 | 6034.6 |
| 1028 | 748000 | 2081550 | 6031.5 |
| 1029 | 748000 | 2081600 | 6028.4 |
| 1030 | 748000 | 2081650 | 6029 |
| 1031 | 748000 | 2081700 | 6034.6 |
| 1032 | 748000 | 2081750 | 6036 |
| 1033 | 748000 | 2081800 | 6033.5 |
| 1034 | 748000 | 2081850 | 6031 |
| 1035 | 748000 | 2081900 | 6028.5 |
| 1036 | 748000 | 2081950 | 6025.9 |
| 1037 | 748000 | 2082000 | 6023.4 |
| 1038 | 748000 | 2082050 | 6021.4 |
| 1039 | 748000 | 2082100 | 6020 |
| 1040 | 748000 | 2082150 | 6018.7 |
| 1041 | 748000 | 2082200 | 6017.3 |
| 1042 | 748000 | 2082250 | 6015.9 |
| 1043 | 748000 | 2082300 | 6014.6 |
| 1044 | 748000 | 2082350 | 6013.2 |
| 1045 | 748000 | 2082400 | 6011.8 |
| 1046 | 748000 | 2082450 | 6010.5 |
| 1047 | 748000 | 2082500 | 6009.1 |
| 1048 | 748000 | 2082550 | 6007.7 |
| 1049 | 748000 | 2082600 | 6006.4 |
| 1050 | 747950 | 2081150 | 6047.9 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1051 | 747950 | 2081200 | 6044.9 |
| 1052 | 747950 | 2081250 | 6041.8 |
| 1053 | 747950 | 2081300 | 6038.7 |
| 1054 | 747950 | 2081350 | 6035.6 |
| 1055 | 747950 | 2081400 | 6032.5 |
| 1056 | 747950 | 2081450 | 6029.3 |
| 1057 | 747950 | 2081500 | 6026.2 |
| 1058 | 747950 | 2081550 | 6023.1 |
| 1059 | 747950 | 2081600 | 6019.9 |
| 1060 | 747950 | 2081650 | 6021.9 |
| 1061 | 747950 | 2081700 | 6027.5 |
| 1062 | 747950 | 2081750 | 6027.4 |
| 1063 | 747950 | 2081800 | 6024.9 |
| 1064 | 747950 | 2081850 | 6022.3 |
| 1065 | 747950 | 2081900 | 6019.8 |
| 1066 | 747950 | 2081950 | 6017.3 |
| 1067 | 747950 | 2082000 | 6014.7 |
| 1068 | 747950 | 2082050 | 6012.5 |
| 1069 | 747950 | 2082100 | 6011.1 |
| 1070 | 747950 | 2082150 | 6009.8 |
| 1071 | 747950 | 2082200 | 6008.4 |
| 1072 | 747950 | 2082250 | 6007 |
| 1073 | 747950 | 2082300 | 6005.7 |
| 1074 | 747950 | 2082350 | 6004.3 |
| 1075 | 747950 | 2082400 | 6002.9 |
| 1076 | 747950 | 2082450 | 6001.6 |
| 1077 | 747950 | 2082500 | 6000.2 |
| 1078 | 747950 | 2082550 | 5998.8 |
| 1079 | 747950 | 2082600 | 5997.5 |
| 1080 | 747900 | 2081000 | 6048.7 |
| 1081 | 747900 | 2081050 | 6045.6 |
| 1082 | 747900 | 2081100 | 6042.5 |
| 1083 | 747900 | 2081150 | 6039.5 |
| 1084 | 747900 | 2081200 | 6036.4 |
| 1085 | 747900 | 2081250 | 6033.3 |
| 1086 | 747900 | 2081300 | 6030.2 |
| 1087 | 747900 | 2081350 | 6027.2 |
| 1088 | 747900 | 2081400 | 6024 |
| 1089 | 747900 | 2081450 | 6020.9 |
| 1090 | 747900 | 2081500 | 6017.8 |
| 1091 | 747900 | 2081550 | 6014.6 |
| 1092 | 747900 | 2081600 | 6011.5 |
| 1093 | 747900 | 2081650 | 6014.9 |
| 1094 | 747900 | 2081700 | 6020.4 |
| 1095 | 747900 | 2081750 | 6018.8 |
| 1096 | 747900 | 2081800 | 6016.2 |
| 1097 | 747900 | 2081850 | 6013.7 |
| 1098 | 747900 | 2081900 | 6011.2 |
| 1099 | 747900 | 2081950 | 6008.6 |
| 1100 | 747900 | 2082000 | 6006.1 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1101 | 747900 | 2082050 | 6003.6 |
| 1102 | 747900 | 2082100 | 6002.2 |
| 1103 | 747900 | 2082150 | 6000.8 |
| 1104 | 747900 | 2082200 | 5999.5 |
| 1105 | 747900 | 2082250 | 5998.1 |
| 1106 | 747900 | 2082300 | 5996.8 |
| 1107 | 747900 | 2082350 | 5995.4 |
| 1108 | 747900 | 2082400 | 5994 |
| 1109 | 747900 | 2082450 | 5992.7 |
| 1110 | 747900 | 2082500 | 5991.3 |
| 1111 | 747900 | 2082550 | 5989.9 |
| 1112 | 747900 | 2082600 | 5988.6 |
| 1113 | 747850 | 2080900 | 6046.4 |
| 1114 | 747850 | 2080950 | 6043.3 |
| 1115 | 747850 | 2081000 | 6040.2 |
| 1116 | 747850 | 2081050 | 6037.2 |
| 1117 | 747850 | 2081100 | 6034.1 |
| 1118 | 747850 | 2081150 | 6031 |
| 1119 | 747850 | 2081200 | 6027.9 |
| 1120 | 747850 | 2081250 | 6024.8 |
| 1121 | 747850 | 2081300 | 6021.8 |
| 1122 | 747850 | 2081350 | 6018.7 |
| 1123 | 747850 | 2081400 | 6015.6 |
| 1124 | 747850 | 2081450 | 6012.4 |
| 1125 | 747850 | 2081500 | 6009.3 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1126 | 747850 | 2081550 | 6006.2 |
| 1127 | 747850 | 2081600 | 6003 |
| 1128 | 747850 | 2081650 | 6007.8 |
| 1129 | 747850 | 2081700 | 6012.7 |
| 1130 | 747850 | 2081750 | 6010.1 |
| 1131 | 747850 | 2081800 | 6007.6 |
| 1132 | 747850 | 2081850 | 6005.1 |
| 1133 | 747850 | 2081900 | 6002.5 |
| 1134 | 747850 | 2081950 | 6000 |
| 1135 | 747850 | 2082000 | 5997.4 |
| 1136 | 747850 | 2082050 | 5994.9 |
| 1137 | 747850 | 2082100 | 5993.3 |
| 1138 | 747850 | 2082150 | 5991.9 |
| 1139 | 747850 | 2082200 | 5990.6 |
| 1140 | 747850 | 2082250 | 5989.2 |
| 1141 | 747850 | 2082300 | 5987.8 |
| 1142 | 747850 | 2082350 | 5986.5 |
| 1143 | 747850 | 2082400 | 5985.1 |
| 1144 | 747850 | 2082450 | 5983.8 |
| 1145 | 747850 | 2082500 | 5982.4 |
| 1146 | 747850 | 2082550 | 5981 |
| 1147 | 747850 | 2082600 | 5979.7 |
| 1148 | 747800 | 2080850 | 6041 |
| 1149 | 747800 | 2080900 | 6037.9 |
| 1150 | 747800 | 2080950 | 6034.8 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1151 | 747800 | 2081000 | 6031.8 |
| 1152 | 747800 | 2081050 | 6028.7 |
| 1153 | 747800 | 2081100 | 6025.6 |
| 1154 | 747800 | 2081150 | 6022.5 |
| 1155 | 747800 | 2081200 | 6019.5 |
| 1156 | 747800 | 2081250 | 6016.4 |
| 1157 | 747800 | 2081300 | 6013.3 |
| 1158 | 747800 | 2081350 | 6010.2 |
| 1159 | 747800 | 2081400 | 6007.1 |
| 1160 | 747800 | 2081450 | 6004 |
| 1161 | 747800 | 2081500 | 6000.9 |
| 1162 | 747800 | 2081550 | 5997.7 |
| 1163 | 747800 | 2081600 | 5995.1 |
| 1164 | 747800 | 2081650 | 6000.7 |
| 1165 | 747800 | 2081700 | 6004 |
| 1166 | 747800 | 2081750 | 6001.5 |
| 1167 | 747800 | 2081800 | 5999 |
| 1168 | 747800 | 2081850 | 5996.4 |
| 1169 | 747800 | 2081900 | 5993.9 |
| 1170 | 747800 | 2081950 | 5991.3 |
| 1171 | 747800 | 2082000 | 5988.8 |
| 1172 | 747800 | 2082050 | 5986.3 |
| 1173 | 747800 | 2082100 | 5984.4 |
| 1174 | 747800 | 2082150 | 5983 |
| 1175 | 747800 | 2082200 | 5981.7 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1176 | 747800 | 2082250 | 5980.3 |
| 1177 | 747800 | 2082300 | 5978.9 |
| 1178 | 747800 | 2082350 | 5977.6 |
| 1179 | 747800 | 2082400 | 5976.2 |
| 1180 | 747800 | 2082450 | 5974.9 |
| 1181 | 747750 | 2080950 | 6026.4 |
| 1182 | 747750 | 2081000 | 6023.3 |
| 1183 | 747750 | 2081050 | 6020.2 |
| 1184 | 747750 | 2081100 | 6017.1 |
| 1185 | 747750 | 2081150 | 6014.1 |
| 1186 | 747750 | 2081200 | 6011 |
| 1187 | 747750 | 2081250 | 6007.9 |
| 1188 | 747750 | 2081300 | 6004.8 |
| 1189 | 747750 | 2081350 | 6001.8 |
| 1190 | 747750 | 2081400 | 5998.7 |
| 1191 | 747750 | 2081450 | 5995.6 |
| 1192 | 747750 | 2081500 | 5992.4 |
| 1193 | 747750 | 2081550 | 5989.3 |
| 1194 | 747750 | 2081600 | 5988.1 |
| 1195 | 747750 | 2081650 | 5993.6 |
| 1196 | 747750 | 2081700 | 5995.4 |
| 1197 | 747750 | 2081750 | 5992.8 |
| 1198 | 747750 | 2081800 | 5990.3 |
| 1199 | 747750 | 2081850 | 5987.8 |
| 1200 | 747750 | 2081900 | 5985.2 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1201 | 747750 | 2081950 | 5982.7 |
| 1202 | 747750 | 2082000 | 5980.2 |
| 1203 | 747750 | 2082050 | 5977.6 |
| 1204 | 747750 | 2082100 | 5975.5 |
| 1205 | 747750 | 2082150 | 5974.1 |
| 1206 | 747750 | 2082200 | 5972.8 |
| 1207 | 747750 | 2082250 | 5971.6 |
| 1208 | 747700 | 2081000 | 6014.8 |
| 1209 | 747700 | 2081050 | 6011.8 |
| 1210 | 747700 | 2081100 | 6008.7 |
| 1211 | 747700 | 2081150 | 6005.6 |
| 1212 | 747700 | 2081200 | 6002.5 |
| 1213 | 747700 | 2081250 | 5999.4 |
| 1214 | 747700 | 2081300 | 5996.4 |
| 1215 | 747700 | 2081350 | 5993.4 |
| 1216 | 747700 | 2081400 | 5990.2 |
| 1217 | 747700 | 2081450 | 5987.1 |
| 1218 | 747700 | 2081500 | 5984 |
| 1219 | 747700 | 2081550 | 5980.8 |
| 1220 | 747700 | 2081600 | 5981 |
| 1221 | 747700 | 2081650 | 5986.6 |
| 1222 | 747700 | 2081700 | 5986.7 |
| 1223 | 747700 | 2081750 | 5984.2 |
| 1224 | 747700 | 2081800 | 5981.7 |
| 1225 | 747700 | 2081850 | 5979.1 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1226 | 747700 | 2081900 | 5976.6 |
| 1227 | 747700 | 2081950 | 5974.1 |
| 1228 | 747700 | 2082000 | 5971.5 |
| 1229 | 747700 | 2082050 | 5969 |
| 1230 | 747700 | 2082100 | 5966.5 |
| 1231 | 747650 | 2081050 | 6003.3 |
| 1232 | 747650 | 2081100 | 6000.2 |
| 1233 | 747650 | 2081150 | 5997.1 |
| 1234 | 747650 | 2081200 | 5994.3 |
| 1235 | 747650 | 2081250 | 5991.2 |
| 1236 | 747650 | 2081300 | 5988.1 |
| 1237 | 747650 | 2081350 | 5984.9 |
| 1238 | 747650 | 2081400 | 5981.8 |
| 1239 | 747650 | 2081450 | 5978.7 |
| 1240 | 747650 | 2081500 | 5975.5 |
| 1241 | 747650 | 2081550 | 5972.4 |
| 1242 | 747650 | 2081600 | 5973.9 |
| 1243 | 747650 | 2081650 | 5979.5 |
| 1244 | 747650 | 2081700 | 5978.1 |
| 1245 | 747650 | 2081750 | 5975.6 |
| 1246 | 747650 | 2081800 | 5973 |
| 1247 | 747650 | 2081850 | 5970.5 |
| 1248 | 747650 | 2081900 | 5967.9 |
| 1249 | 747650 | 2081950 | 5965.4 |
| 1250 | 747650 | 2082000 | 5962.9 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1251 | 747650 | 2082050 | 5959.5 |
| 1252 | 747600 | 2081100 | 5995.7 |
| 1253 | 747600 | 2081150 | 5992.7 |
| 1254 | 747600 | 2081200 | 5990.8 |
| 1255 | 747600 | 2081250 | 5987.5 |
| 1256 | 747600 | 2081400 | 5974.3 |
| 1257 | 747600 | 2081450 | 5973.1 |
| 1258 | 747600 | 2081500 | 5971.9 |
| 1259 | 747600 | 2081550 | 5970.7 |
| 1260 | 747600 | 2081600 | 5969.5 |
| 1261 | 747600 | 2081650 | 5972 |
| 1262 | 747600 | 2081700 | 5969.5 |
| 1263 | 747600 | 2081750 | 5966.9 |
| 1264 | 747600 | 2081800 | 5964.6 |
| 1265 | 747600 | 2081850 | 5963.4 |
| 1266 | 747600 | 2081900 | 5962.2 |
| 1267 | 747600 | 2081950 | 5961 |
| 1268 | 747600 | 2082000 | 5959.5 |
| 1269 | 747600 | 2082050 | 5957.1 |
| 1270 | 747600 | 2082100 | 5954.7 |
| 1271 | 747600 | 2082150 | 5952.3 |
| 1272 | 747600 | 2082200 | 5949.9 |
| 1273 | 747600 | 2082250 | 5947.5 |
| 1274 | 747550 | 2081350 | 5968.8 |
| 1275 | 747550 | 2081400 | 5969.1 |
| 1276 | 747550 | 2081450 | 5969.4 |
| 1277 | 747550 | 2081500 | 5969.7 |
| 1278 | 747550 | 2081550 | 5969.6 |

CONSTRUCTION CONTROL POINTS

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| 1279 | 747550 | 2081600 | 5968.3 |
| 1280 | 747550 | 2081650 | 5967.6 |
| 1281 | 747550 | 2081700 | 5966.4 |
| 1282 | 747550 | 2081750 | 5965.1 |
| 1283 | 747550 | 2081800 | 5963.9 |
| 1284 | 747550 | 2081850 | 5962.7 |
| 1285 | 747550 | 2081900 | 5961.5 |
| 1286 | 747550 | 2081950 | 5960.3 |
| 1287 | 747550 | 2082000 | 5958.1 |
| 1288 | 747550 | 2082050 | 5955.7 |
| 1289 | 747550 | 2082100 | 5953.3 |
| 1290 | 747550 | 2082150 | 5950.9 |
| 1291 | 747550 | 2082200 | 5948.5 |
| 1292 | 747550 | 2082250 | 5946.1 |
| 1293 | 747550 | 2082300 | 5943.7 |
| 1294 | 747500 | 2081550 | 5953.3 |
| 1295 | 747500 | 2081600 | 5952.8 |
| 1296 | 747500 | 2081650 | 5952.2 |
| 1297 | 747500 | 2081700 | 5951.5 |
| 1298 | 747500 | 2081750 | 5950.9 |
| 1299 | 747500 | 2081800 | 5950.2 |
| 1300 | 747500 | 2081850 | 5949.5 |
| 1301 | 747500 | 2081900 | 5948.9 |
| 1302 | 747500 | 2081950 | 5948.2 |
| 1303 | 747500 | 2082000 | 5946.5 |
| 1304 | 747500 | 2082050 | 5944.7 |
| 1305 | 747500 | 2082100 | 5942.8 |
| 1306 | 747500 | 2082150 | 5941 |
| 1307 | 747500 | 2082200 | 5937 |

N

0' 60 120'

VOLUME OF ADDITIONAL 1-FOOT GRADE FILL WITHIN LIMIT OF WASTE

CUT = 0 cu. yd.
FILL = 15,191 cu. yd.
NET = -15,191 cu. yd.

FINAL COPY

| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 ISSUE | ORIGINAL ISSUE DESCRIPTION | | | PROJECT/WCF NO. 020525 |

KEYWORDS

1. 2. 3. 4. 5.

BLDG./FACILITY

ROOM/AREA

GRID COORD./COL NO.

TOLERANCES: FRACT. ± ; ANGLE ± ; DEC. ± ; UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

NEXT ASSEMBLY

SCALE: AS SHOWN

| | | |
|---|---|---|
| DESIGN COMPANY: E A R T H T E C H | | |
| DESIGNED BY RCT | RT | 5/12/05 |
| DRAWN BY AGS | DT | 5/12/05 |
| CHECKED BY REA | REA | 5/12/05 |
| INDEPENDENT VERIFIER SRL | SRL | 5/12/05 |
| APPROVED BY RCT | RT | 5/12/05 |
| CLASSIFIER | | |

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

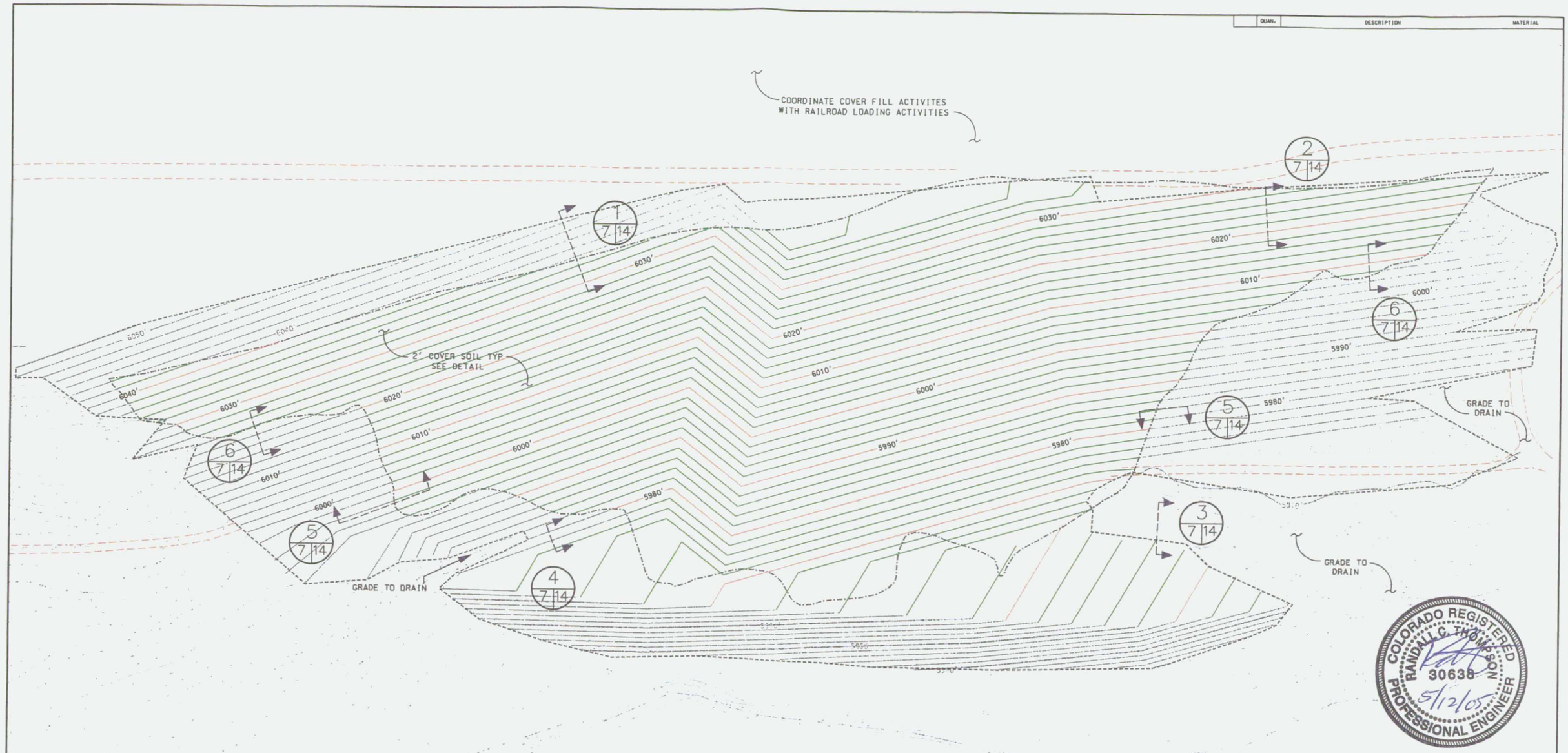
# DESIGN TOP OF REGRADE SURFACE FINAL CONTOURS

## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-006 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Regrades\RgPts.dgn Date: 3-2005

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




## LEGEND

- LIMIT OF FINAL COVER
- APPROXIMATE LIMIT OF WASTE
- 10 FOOT CONTOUR
- 2 FOOT CONTOUR
- N 40000 E 20000 GRID COORDINATE SYSTEM
- GRAVEL ROAD

## VOLUME OF 2-FOOT COVER

CUT = 0 cu.yd.
FILL = 38,397cu.yd.
NET = -38,397cu.yd.

N

0' 60 120'

FINAL COPY

| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | |

DESCRIPTION

KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL. NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: E A R T H T E C H

| | | |
|---|---|---|
| DESIGNED BY | RCT | 5/12/5 |
| DRAWN BY | JGS | 5/12/05 |
| CHECKED BY | RCT | 5/12/5 |
| INDEPENDENT VERIFIER | SGW | 5/12/05 |
| APPROVED BY | RCT | 5/12/5 |
| CLASSIFIER | | |

PROJECT/WCF NO. 020525

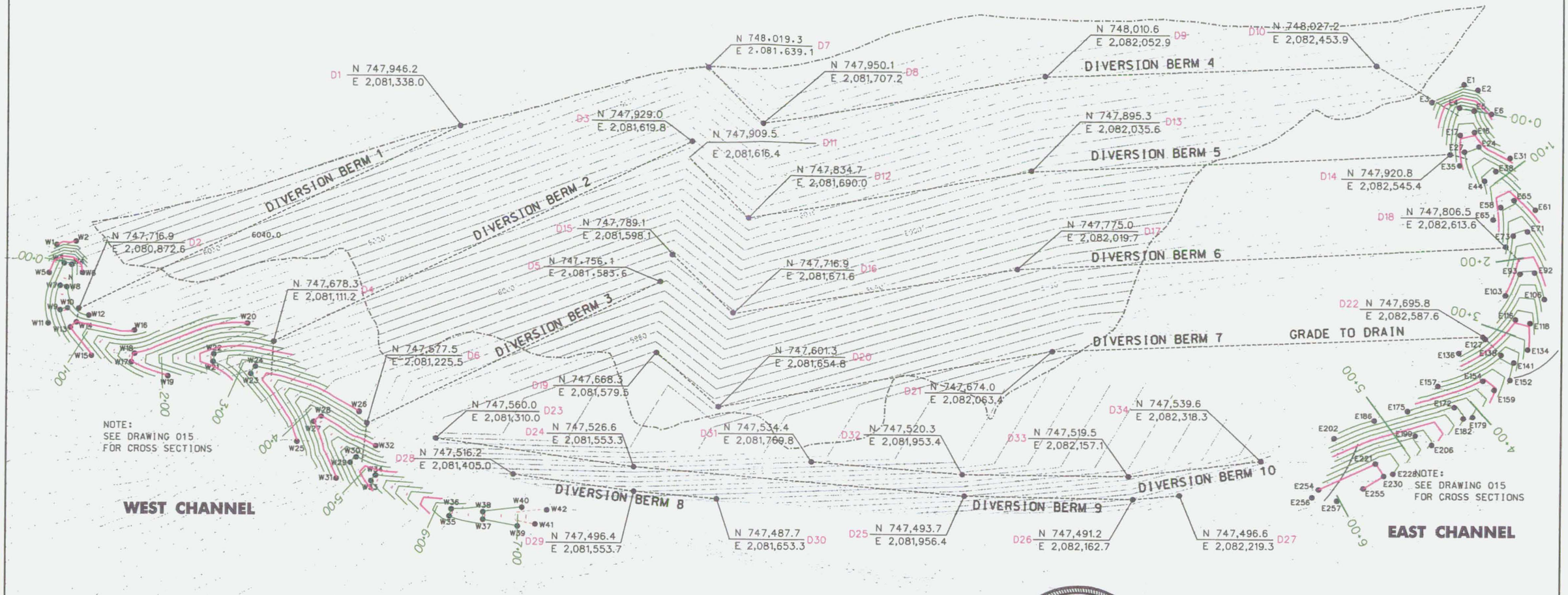
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# DESIGN TOP OF FINAL COVER CONTOURS
## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-007 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\FinalGrds\Finalgrd.dgn Date: 3-2005




| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

CONSTRUCTION CONTROL POINTS WEST CHANNEL

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| W1 | 747796.3 | 2080845.4 | 6040.0 |
| W2 | 747800.9 | 2080868.5 | 6040.0 |
| W3 | 747774.9 | 2080854.6 | 6026.0 |
| W4 | 747773.0 | 2080864.4 | 6026.0 |
| W5 | 747763.4 | 2080837.0 | 6030.0 |
| W6 | 747763.8 | 2080876.3 | 6030.0 |
| W7 | 747746.8 | 2080849.2 | 6024.0 |
| W8 | 747745.0 | 2080859.0 | 6024.0 |
| W9 | 747716.2 | 2080850.2 | 6022.0 |
| W10 | 747719.2 | 2080859.7 | 6022.0 |
| W11 | 747699.8 | 2080835.7 | 6028.0 |
| W12 | 747709.0 | 2080883.0 | 6024.0 |
| W13 | 747694.6 | 2080863.1 | 6020.0 |
| W14 | 747701.5 | 2080870.4 | 6020.0 |
| W15 | 747660.2 | 2080889.2 | 6020.0 |
| W16 | 747690.0 | 2080939.9 | 6020.0 |
| W17 | 747652.7 | 2080937.7 | 6010.0 |
| W18 | 747662.4 | 2080940.0 | 6010.0 |
| W19 | 747634.7 | 2080982.9 | 6010.0 |
| W20 | 747700.6 | 2081080.3 | 6010.0 |
| W21 | 747652.2 | 2081038.4 | 5998.0 |

CONSTRUCTION CONTROL POINTS WEST CHANNEL

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| W22 | 747662.2 | 2081038.8 | 5998.0 |
| W23 | 747638.5 | 2081083.4 | 5992.0 |
| W24 | 747647.1 | 2081088.4 | 5992.0 |
| W25 | 747555.6 | 2081141.0 | 5990.0 |
| W26 | 747592.2 | 2081215.8 | 5990.0 |
| W27 | 747580.2 | 2081161.9 | 5980.0 |
| W28 | 747586.7 | 2081169.5 | 5980.0 |
| W29 | 747529.6 | 2081205.5 | 5972.0 |
| W30 | 747536.5 | 2081212.8 | 5972.0 |
| W31 | 747509.6 | 2081189.7 | 5980.0 |
| W32 | 747549.7 | 2081237.0 | 5980.0 |
| W33 | 747506.4 | 2081230.7 | 5968.0 |
| W34 | 747514.6 | 2081236.4 | 5968.0 |
| W35 | 747463.4 | 2081326.9 | 5956.0 |
| W36 | 747473.1 | 2081329.4 | 5956.0 |
| W37 | 747459.8 | 2081367.8 | 5954.0 |
| W38 | 747469.8 | 2081368.0 | 5954.0 |
| W39 | 747452.3 | 2081410.3 | 5954.0 |
| W40 | 747475.7 | 2081415.9 | 5954.0 |
| W41 | 747454.8 | 2081431.8 | 5952.0 |
| W42 | 747472.9 | 2081446.2 | 5952.0 |

CONSTRUCTION CONTROL POINTS EAST CHANNEL

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| E1 | 748005.4 | 2082561 | 6008.4 |
| E2 | 747998.9 | 2082578.1 | 6006.8 |
| E3 | 747983.6 | 2082521.7 | 6005.6 |
| E4 | 747977.2 | 2082555.7 | 5994.1 |
| E5 | 747973.9 | 2082573.4 | 5994.1 |
| E6 | 747970 | 2082594.4 | 6001.2 |
| E16 | 747947.7 | 2082574 | 5990.5 |
| E17 | 747943.9 | 2082556.4 | 5990.5 |
| E24 | 747929.8 | 2082578.9 | 5988.1 |
| E27 | 747923.2 | 2082562.2 | 5988.1 |
| E31 | 747915.9 | 2082617.8 | 5991.1 |
| E35 | 747907 | 2082556.2 | 5991 |
| E38 | 747900.2 | 2082600.3 | 5983.3 |
| E44 | 747888.1 | 2082586.9 | 5983.3 |
| E55 | 747864.6 | 2082622.7 | 5978.5 |
| E58 | 747856.3 | 2082606.8 | 5978.5 |
| E61 | 747853.2 | 2082648.5 | 5982.1 |
| E65 | 747840.9 | 2082597.8 | 5982.3 |
| E71 | 747826.4 | 2082639.1 | 5973.7 |
| E73 | 747821 | 2082622 | 5973.7 |
| E92 | 747775.2 | 2082648.6 | 5967.7 |
| E93 | 747774.2 | 2082630.6 | 5967.7 |
| E103 | 747747.2 | 2082613 | 5969.8 |
| E106 | 747742.8 | 2082659.9 | 5968 |
| E116 | 747717.4 | 2082625.4 | 5960.5 |

CONSTRUCTION CONTROL POINTS EAST CHANNEL

| POINT NUMBER | NORTH COORDINATE | EAST COORDINATE | DESIGN ELEVATION |
|---|---|---|---|
| E127 | 747692.6 | 2082589.1 | 5964 |
| E134 | 747680.2 | 2082640.6 | 5959 |
| E136 | 747675.4 | 2082557.4 | 5965 |
| E138 | 747672.9 | 2082608.3 | 5954 |
| E141 | 747664.4 | 2082624.2 | 5954 |
| E152 | 747642.3 | 2082619.6 | 5954.6 |
| E154 | 747641.3 | 2082587 | 5949.7 |
| E157 | 747634.1 | 2082531.9 | 5954.5 |
| E159 | 747629.8 | 2082600.9 | 5949.7 |
| E172 | 747608.4 | 2082552 | 5943.7 |
| E175 | 747603 | 2082494.5 | 5947.8 |
| E179 | 747596.3 | 2082574.3 | 5946.6 |
| E182 | 747594.3 | 2082563.2 | 5943.7 |
| E186 | 747590.3 | 2082441.8 | 5948.7 |
| E199 | 747572.6 | 2082504.4 | 5936.5 |
| E202 | 747568.8 | 2082405.9 | 5946.7 |
| E206 | 747561.2 | 2082525 | 5938.8 |
| E221 | 747537.5 | 2082456.1 | 5930 |
| E228 | 747525.3 | 2082477 | 5931.8 |
| E230 | 747522.5 | 2082466.2 | 5930 |
| E254 | 747505.2 | 2082387.9 | |
| E255 | 747506.7 | 2082441.7 | |
| E256 | 747495.4 | 2082380.1 | |
| E257 | 747491.4 | 2082410.1 | |

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

CHANNEL ALIGNMENT (TO BE DETERMINED)
CHANNEL #1
CURVE #
START:
TC -
PI -
CT -
R -

LEGEND
------- DIVERSION BERM
● CONTROL POINT
-·-·- LIMIT OF WASTE
6+00 STATION NUMBER

FINAL COPY

| ISSUE | REVISION DESCRIPTION | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | EARTH TECH DESIGN COMPANY | DATE | | | | | | | CLASS | 57378 PROJECT/CHARGE NO. |
| 0 | ORIGINAL ISSUE | | | | | | | | | |

DESCRIPTION

PROJECT/WCF NO. 020525

KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH
DESIGNED BY RLA RA 5/12/05
DRAWN BY RLA RLA 5/12/05
CHECKED BY RCT RCT 5/12/05
INDEPENDENT VERIFIER SRL SRL 5/12/05
APPROVED BY RCT RCT 5/12/05
CLASSIFIER

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

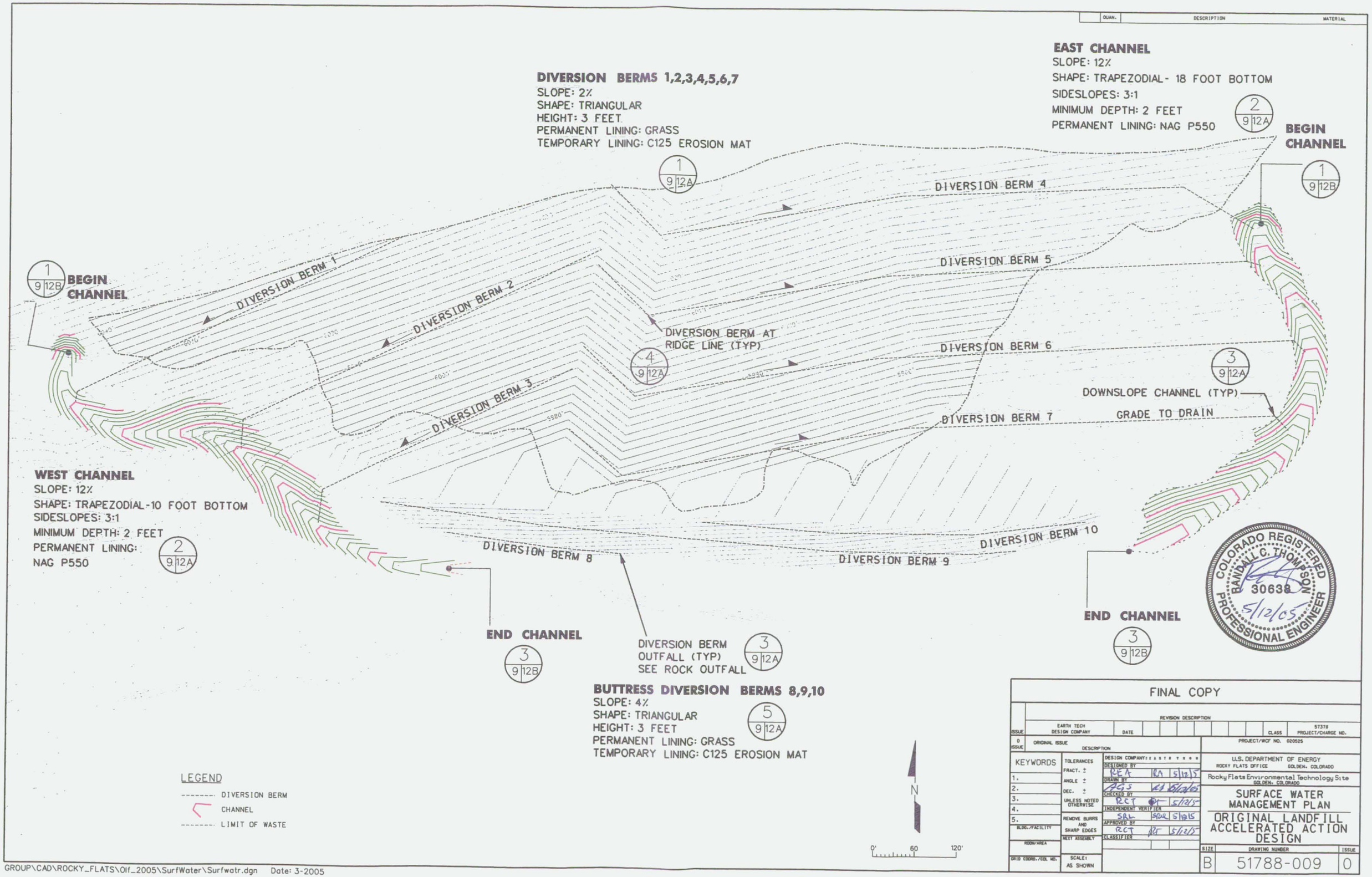
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# DESIGN CHANNELS

## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-008 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\SurfWater\Surf010.dgn Date: 3-2005



QUAN.
DESCRIPTION
MATERIAL
EAST CHANNEL
SLOPE: 12%
SHAPE: TRAPEZODIAL- 18 FOOT BOTTOM
SIDESLOPES: 3:1
MINIMUM DEPTH: 2 FEET
PERMANENT LINING: NAG P550
2 9 12A
BEGIN CHANNEL
1 9 12B
DIVERSION BERMS 1,2,3,4,5,6,7
SLOPE: 2%
SHAPE: TRIANGULAR
HEIGHT: 3 FEET
PERMANENT LINING: GRASS
TEMPORARY LINING: C125 EROSION MAT
1 9 12A
DIVERSION BERM 4
DIVERSION BERM 5
DIVERSION BERM 1
DIVERSION BERM 2
DIVERSION BERM 3
DIVERSION BERM AT RIDGE LINE (TYP)
4 9 12A
DIVERSION BERM 6
3 9 12A
DOWNSLOPE CHANNEL (TYP)
GRADE TO DRAIN
DIVERSION BERM 7
1 9 12B BEGIN CHANNEL
WEST CHANNEL
SLOPE: 12%
SHAPE: TRAPEZODIAL-10 FOOT BOTTOM
SIDESLOPES: 3:1
MINIMUM DEPTH: 2 FEET
PERMANENT LINING: NAG P550
2 9 12A
DIVERSION BERM 8
DIVERSION BERM 9
DIVERSION BERM 10
END CHANNEL
3 9 12B
DIVERSION BERM OUTFALL (TYP) SEE ROCK OUTFALL
3 9 12A
END CHANNEL
3 9 12B
BUTTRESS DIVERSION BERMS 8,9,10
SLOPE: 4%
SHAPE: TRIANGULAR
HEIGHT: 3 FEET
PERMANENT LINING: GRASS
TEMPORARY LINING: C125 EROSION MAT
5 9 12A
LEGEND
DIVERSION BERM
CHANNEL
LIMIT OF WASTE
N
0' 60 120'
COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05
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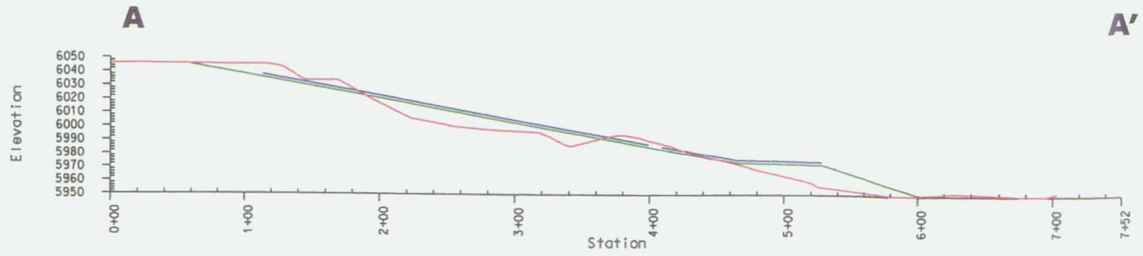
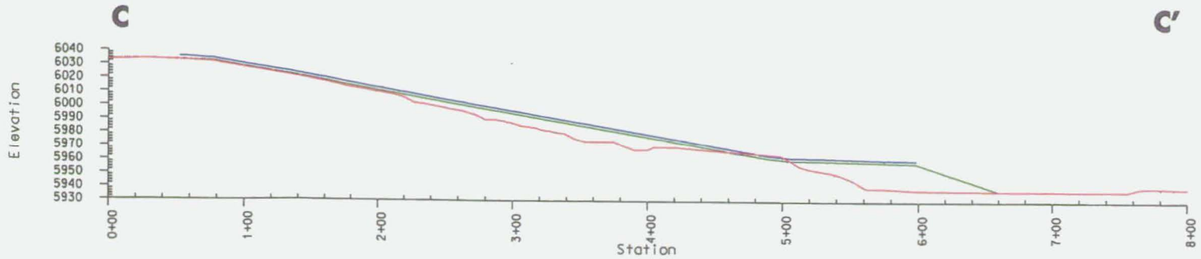
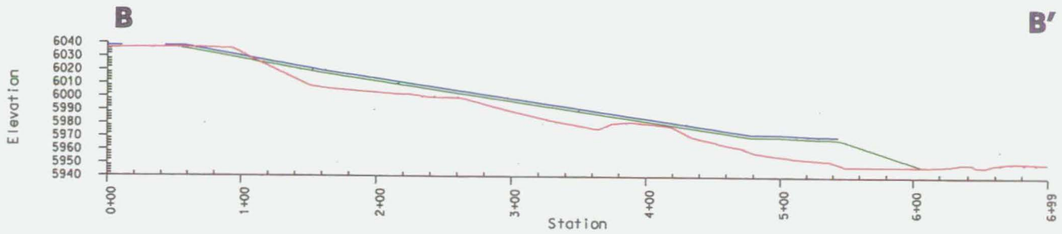
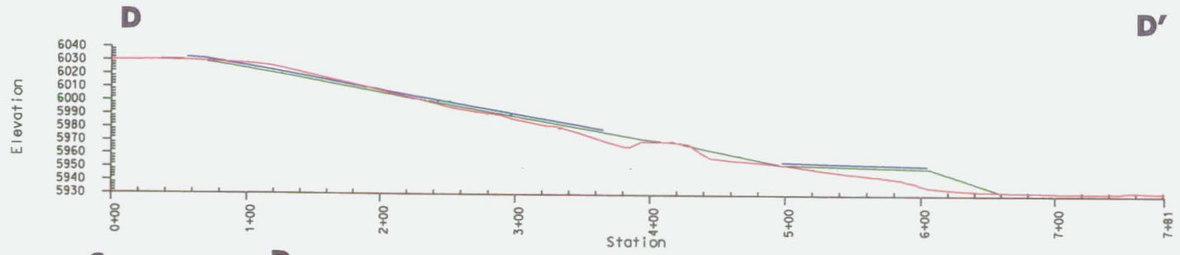
REVISION DESCRIPTION
ISSUE
EARTH TECH DESIGN COMPANY
DATE
CLASS
57378 PROJECT/CHARGE NO.
0 ISSUE
ORIGINAL ISSUE
DESCRIPTION
PROJECT/WCF NO. 020525
KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.
TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN
DESIGN COMPANY: EARTH TECH
DESIGNED BY REA RA 5/12/05
DRAWN BY AGS 5/12/05
CHECKED BY RCT 5/12/05
INDEPENDENT VERIFIER SRL 5/12/05
APPROVED BY RCT 5/12/05
CLASSIFIER
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO
SURFACE WATER MANAGEMENT PLAN
ORIGINAL LANDFILL ACCELERATED ACTION DESIGN
SIZE B
DRAWING NUMBER 51788-009
ISSUE 0
GROUP\CAD\ROCKY_FLATS\Olf_2005\SurfWater\Surfwatr.dgn Date: 3-2005

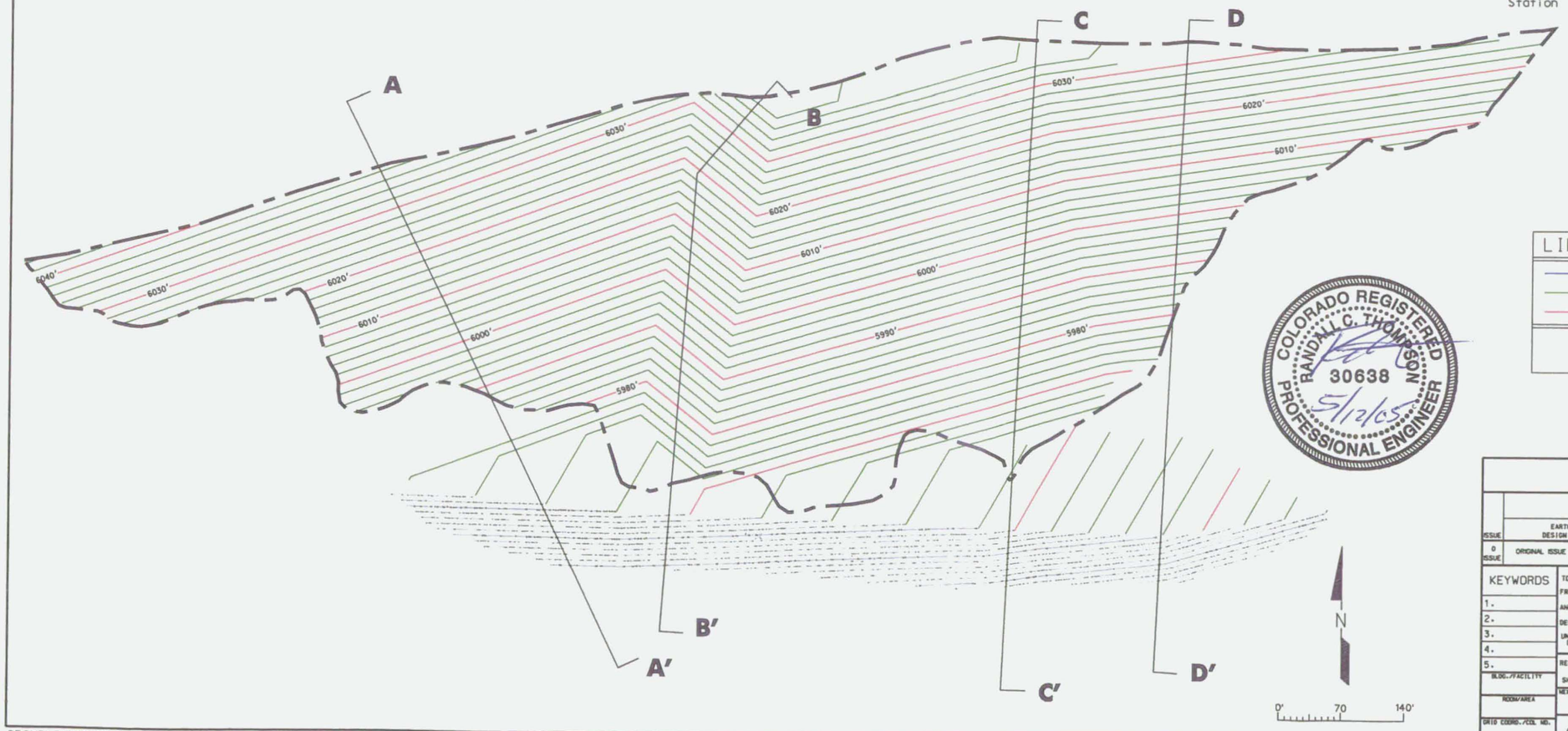
| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




| LINE | SURFACE | OFFSET |
|---|---|---|
| | Final Grades | |
| | Regrades | |
| | Existing Surface | |

Scaled 1.00 Times Ver.
Scaled 1.00 Times Hor.

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RANDALL C. THOMPSON
30638
5/12/05

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| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 ISSUE | ORIGINAL ISSUE | | | |

DESCRIPTION

PROJECT/WCF NO. 020525

KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL. NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: E A R T H T E C H
DESIGNED BY: RET DT 5/12/05
DRAWN BY: AGS RET 5/12/05
CHECKED BY: RCA RA 5/12/05
INDEPENDENT VERIFIER: SAL SAL 5/12/05
APPROVED BY: RCT DT 5/12/05
CLASSIFIER

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

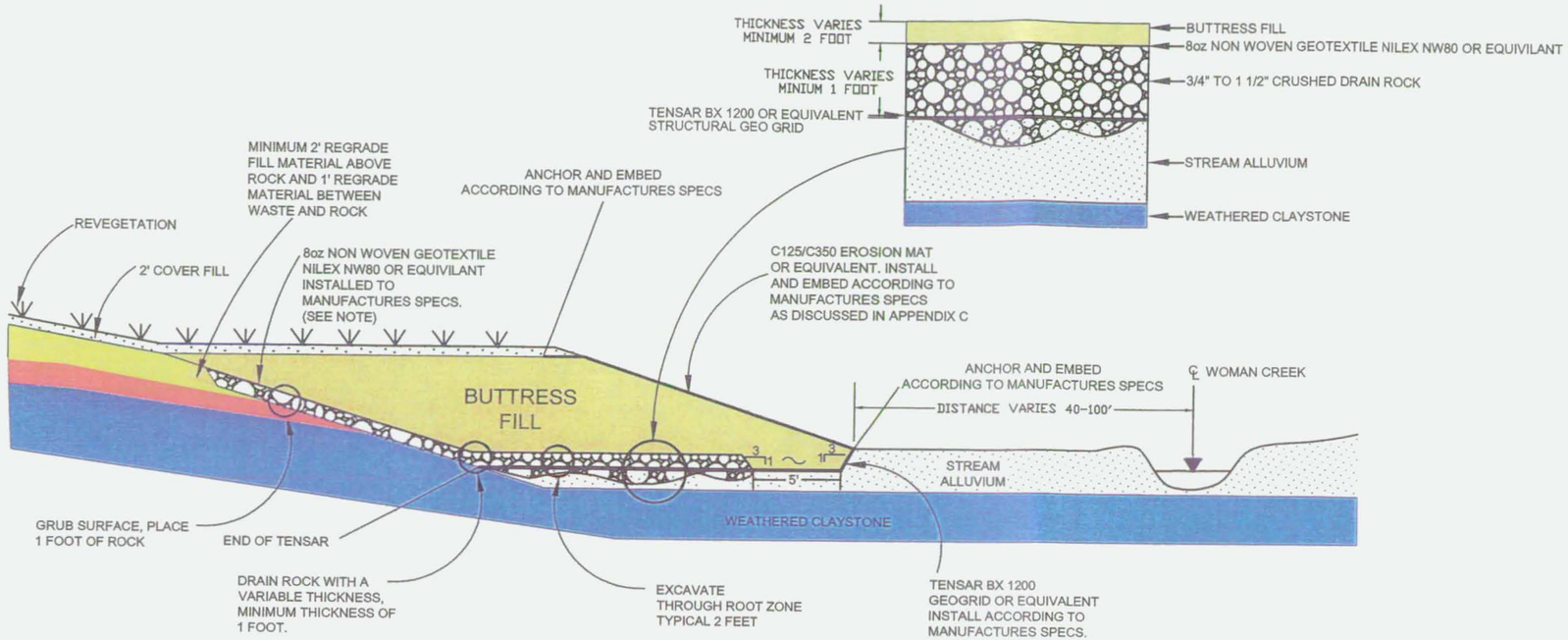
# LANDFILL WIDE CROSS SECTIONS

## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-010 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Xsects\XsecFG.dgn Date: 3-2005

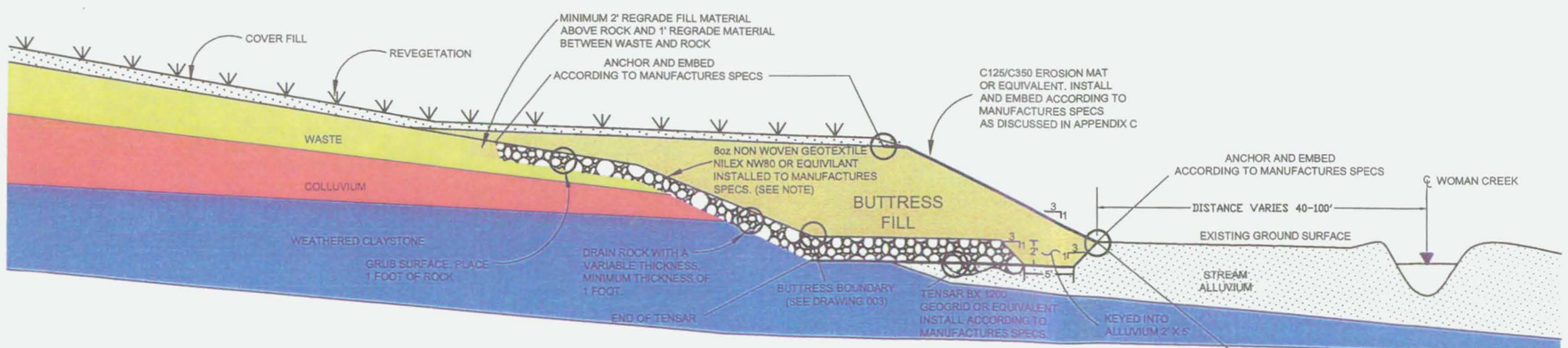
| | QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|---|




## TYPICAL SLOPED BUTTRESS SUB-DRAIN CROSS SECTION B (NTS)

| KEY | MATERIAL DESIGNATION | DESCRIPTION |
|---|---|---|
| | 1a | WASTE |
| | 2 | COLLUVIUM / SLIDE |
| | 3 | ROCKY FLATS ALLUVIUM |
| | 4 | STREAM ALLUVIUM |
| | 5 | WEATHERED CLAYSTONE |
| | 6 | UNWEATHERED CLAYSTONE |
| | 7 | ENGINEERED FILL |

NOTE:
GEOTEXTILE SHALL BE INSTALLED IN A 6 INCH BY 6 INCH ANCHOR TRENCH AT TOP SLOPE AND EXTENEDED 5 FEET PAST DRAIN ROCK ON SIDES AND BOTTOM.




## TYPICAL STAIR STEP BUTTRESS SUB-DRAIN CROSS SECTION (NTS)

COLORADO REGISTERED PROFESSIONAL ENGINEER
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30638
5/12/05

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| ISSUE | DESIGN COMPANY | DATE | DSGN | DWN | CHKD | IV | APVD | | | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | | | | | | | | |

REVISION DESCRIPTION

DESCRIPTION

KEYWORDS
1.
2.
3.
4.
5.

BLDG./FACILITY SITE
ROOM/AREA NA
GRID COORD./COL NO. NA

TOLERANCES: FRACT. ; ANGLE ; DEC. ; UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY NA
SCALE: AS SHOWN

DESIGN COMPANY: CARYOUNG
DESIGNED BY: CAB 5/12/05
DRAWN BY: BGS 5/12/05
CHECKED BY: RCT 5/12/05
INDEPENDENT VERIFIER: SRL 5/12/05
APPROVED BY: RCT 5/12/05
CLASSIFIER
LANDLORD

PROJECT/WCF NO. 020525
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

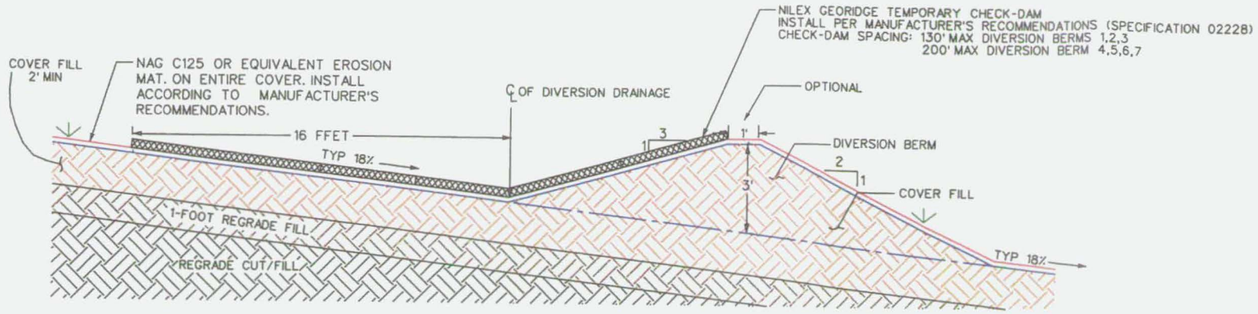
# LANDFILL COVER DETAILS BUTTRESS CONSTRUCTION

## ORIGINAL LANDFILL ACCELERATED ACTION

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-011 | 0 |

L:\group\cad\rocky_flats\olf_2005\details\detail2.dgn 2/17/05

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|



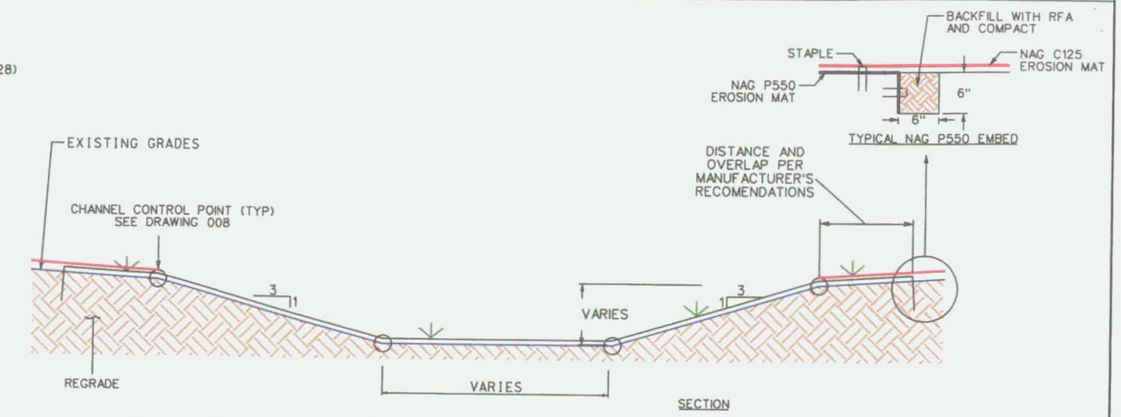

SECTION

NOTE: IN AREAS OUTSIDE OF THE WASTE "FOOTPRINT" COVER SOIL MAY BE LESS THAN 2' (IN TRANSITION AREAS) OR NO COVER SOIL

## DIVERSION BERM (SECTION)

NTS

1 | 9 | 12A



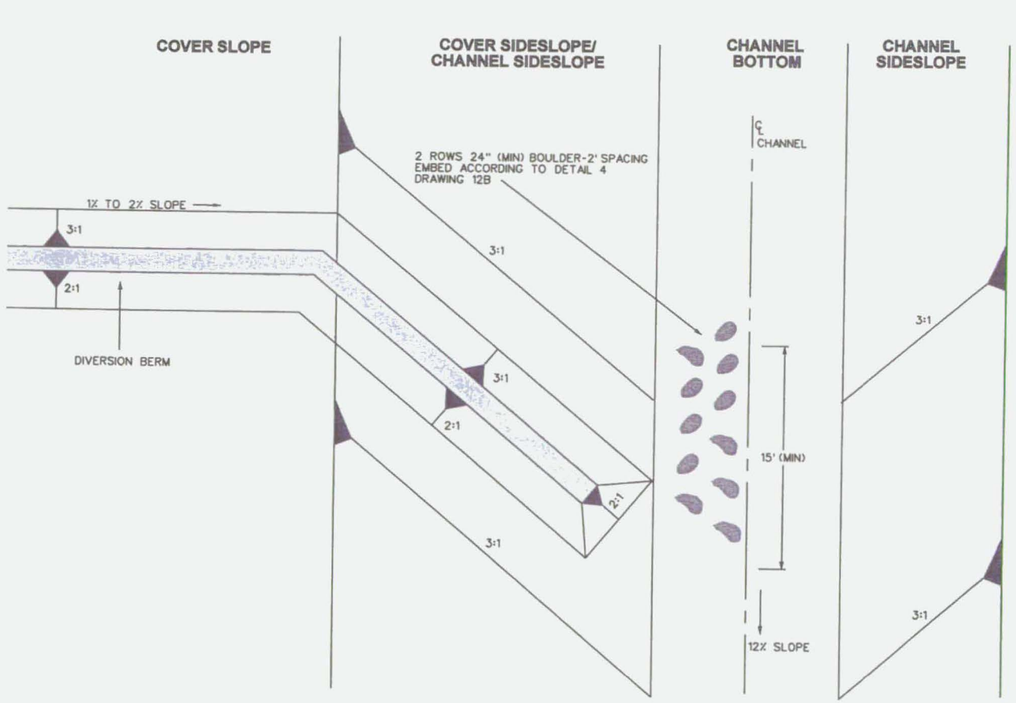

SECTION

NOTE: NAG P550 OR EQUIVALENT EROSION MAT ON CHANNEL BOTTOM AND ALL SIDESLOPES. INSTALL ACCORDING TO MANUFACTURER'S RECCOMENDATIONS.

## PERMANENT/GRASS LINED CHANNEL DETAIL (SECTION)

NTS

2 | 9 | 12A



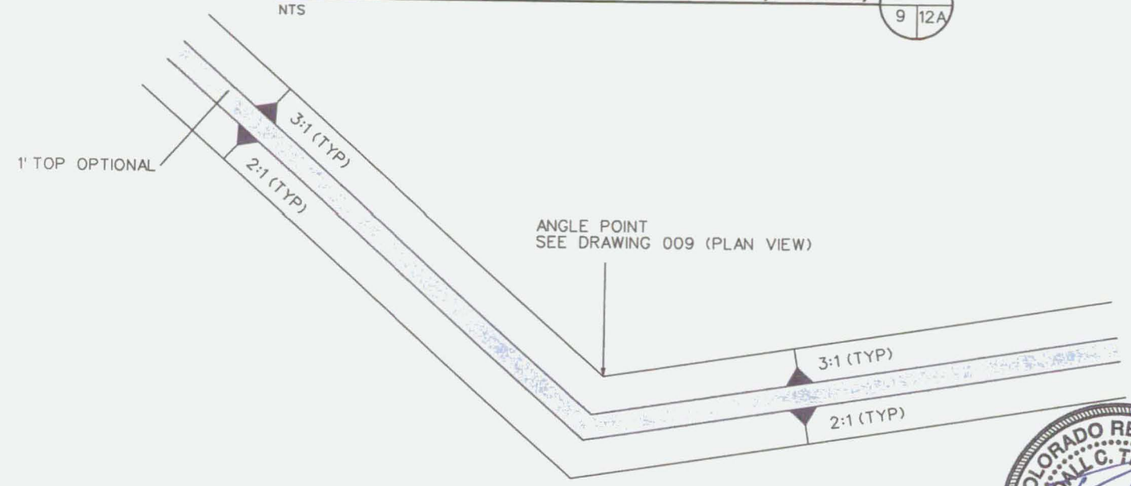

PLAN VIEW

NOTE: NAG P550 OR EQUIVALENT EROSION MAT ON CHANNEL BOTTOM, CHANNEL SIDESLOPES, DOWNSLOPE CHANNEL BOTTOM, AND DOWNSLOPE CHANNEL SIDESLOPES. NAG C125 OR EQUIVALENT ON COVER SLOPE.

## DOWNSLOPE CHANNEL TRANSITION FROM DIVERSION BERM TO CHANNEL (PLAN VIEW)

NTS

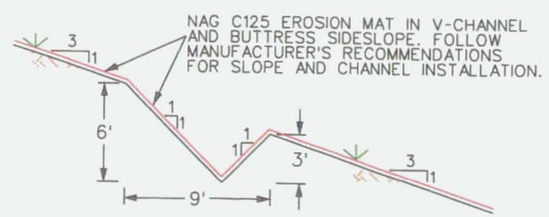
3 | 9 | 12A




## DIVERSION BERM AT RIDGE LINE (PLAN VIEW)

NTS

4 | 9 | 12A




SECTION

## BUTTRESS DIVERSION BERM (V-CHANNEL)

NTS

5 | 9 | 12A

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30638
5/12/05

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| ISSUE | DESIGN COMPANY | DATE | DSGN | DWN | CHKD | IV | APVD | | | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 ISSUE | ORIGINAL ISSUE | | | | | | | | | | |

REVISION DESCRIPTION

DESCRIPTION

KEYWORDS
1.
2.
3.
4.
5.

BLDG./FACILITY SITE
ROOM/AREA NA
GRID COORD./CSL NO. NA

TOLERANCES
FRACT.
ANGLE
DEC.
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY NA
SCALE: AS SHOWN

DESIGN COMPANY: EASTON
DESIGNED BY: REA 5/12/05
DRAWN BY: AGS 5/12/05
CHECKED BY: RCT 5/12/05
INDEPENDENT VERIFIER: SRL 5/12/05
APPROVED BY: RCT 5/12/05
CLASSIFIER
LANDLORD

PROJECT/WCF NO. 020525

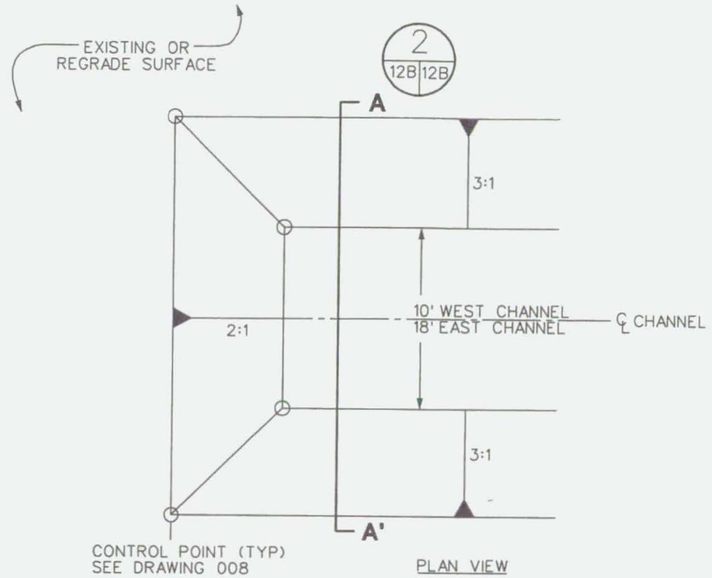
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# LANDFILL COVER DETAILS SURFACE WATER CONTROLS ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-012A | 0 |

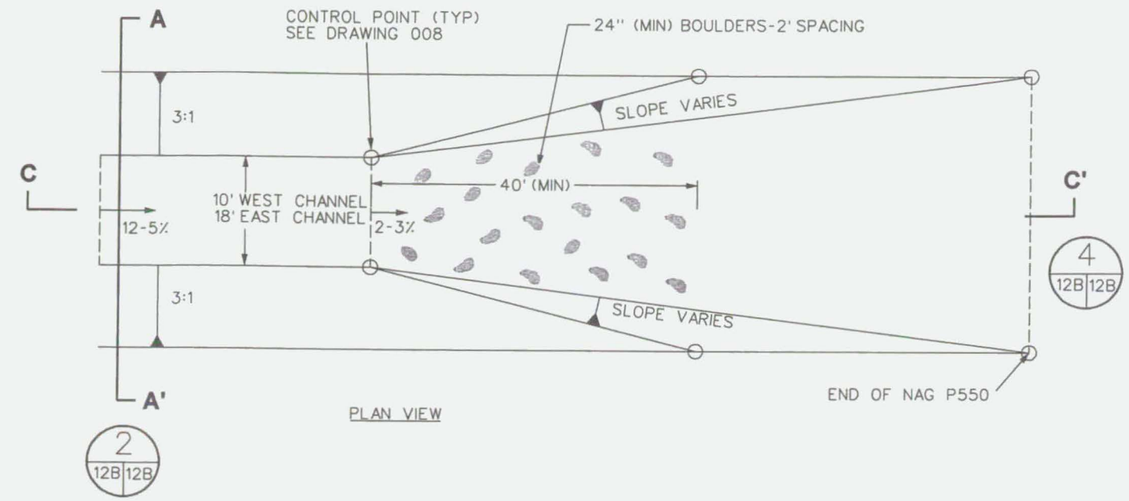
L:\group\cad\rocky_flats\olf_2005\details\detail.dgn 3/17/05




NOTES: NAG P550 OR EQUIVALANT EROSION MAT ON CHANNEL BOTTOM AND ALL SIDE SLOPES. INSTALL ACCORDING TO MANUFACTURER'S RECOMENDATIONS.

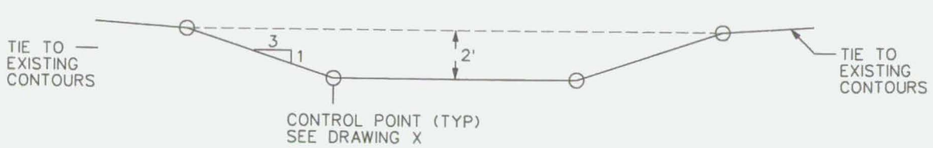
**BEGIN CHANNEL (PLAN VIEW)** 1 9 12B

NTS



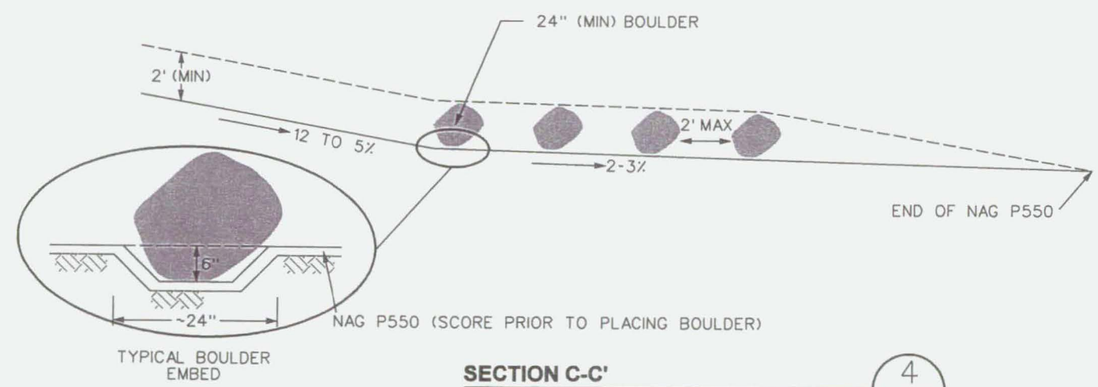

**END CHANNEL (PLAN VIEW)** 3 9 12B

NTS




**SECTION A-A'** 2 12B 12B

NTS




**SECTION C-C'** 4 12B 12B

NTS

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

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| ISSUE | DESIGN COMPANY | DATE | DSGN | DWN | CHKD | IV | APVD | | | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | | | | | | | | |

REVISION DESCRIPTION

PROJECT/WCF NO. 020525

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

LANDFILL COVER DETAILS
SURFACE WATER CONTROLS

ORIGINAL LANDFILL
ACCELERATED ACTION
DESIGN

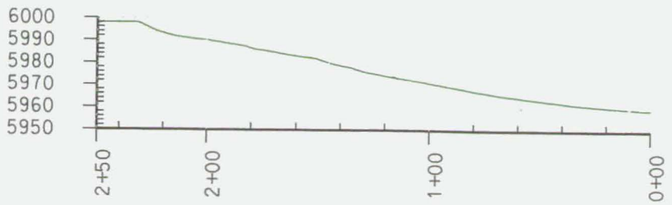
| KEYWORDS | TOLERANCES | DESIGN COMPANY: EASTERN | | |
|---|---|---|---|---|
| 1. | FRACT. | DESIGNED BY | REA | 5/12/05 |
| 2. | ANGLE | DRAWN BY | AGS | 5/12/05 |
| 3. | DEC. | CHECKED BY | RCT | 5/12/05 |
| 4. | UNLESS NOTED OTHERWISE | INDEPENDENT VERIFIER | SRL | 5/12/05 |
| 5. | REMOVE BURRS AND SHARP EDGES | APPROVED BY | RCT | 5/12/05 |
| BLDG./FACILITY SITE | NEXT ASSEMBLY NA | CLASSIFIER | | |
| ROOM/AREA NA | SCALE: AS SHOWN | LANDLORD | | |
| GRID COORD./COL NO. NA | | | | |

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-012B | 0 |

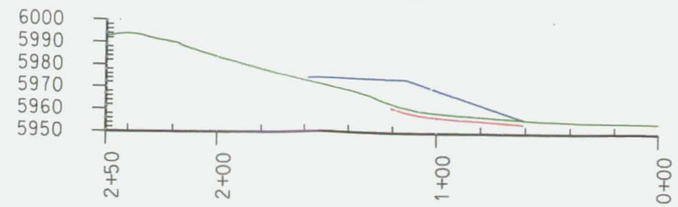
L:\group\cad\rocky_flats\olf_2005\details\detail3.dgn 3/17/05

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

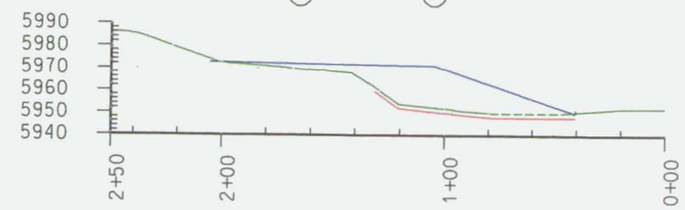
## A - A'




## B - B'




## C - C'

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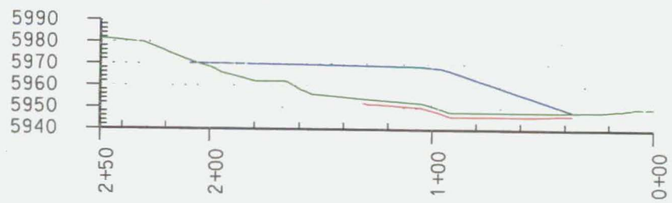
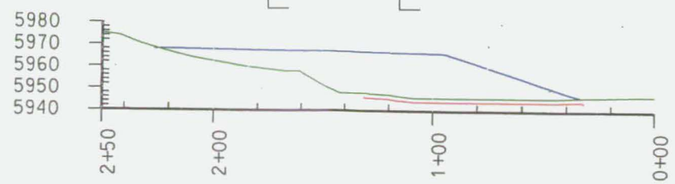
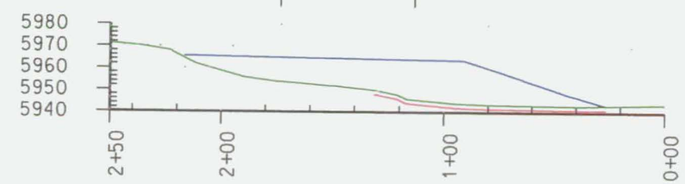


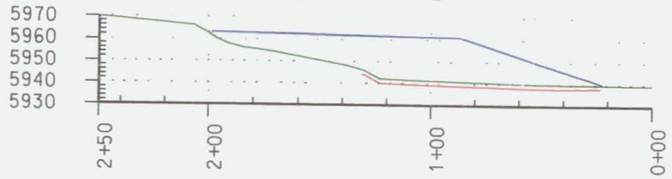

## E - E'



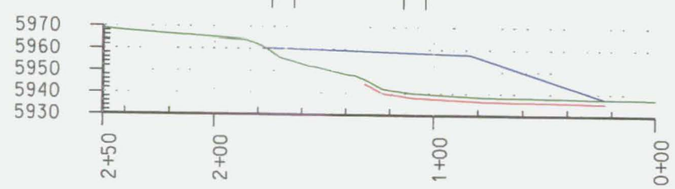

## F - F'



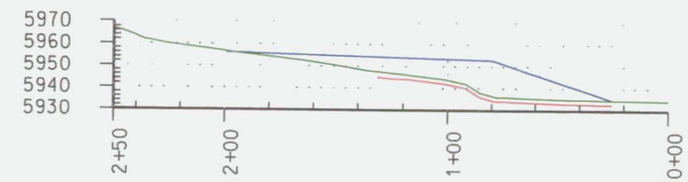

## G - G'



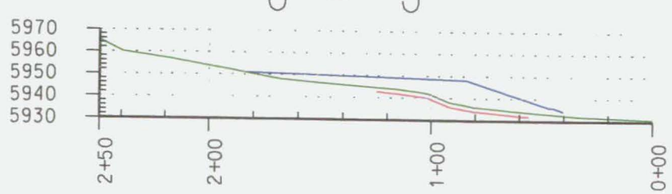

## H - H'



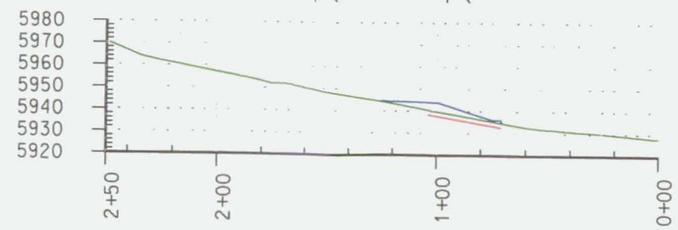

## I - I'



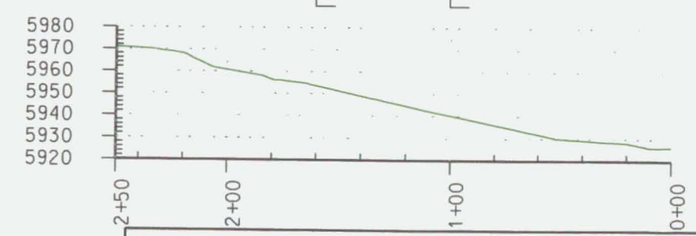

## J - J'




## K - K'




## L - L'




| LINE | SURFACE |
|---|---|
| | Buttress |
| | Existing Surface |
| | Existing Surface Dropped |

Scaled 1.00 Times Ver.
Scaled 1.00 Times Hor.

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

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| ISSUE | EARTH TECH DESIGN COMPANY | DATE | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|
| 0 | ORIGINAL ISSUE | | | |

DESCRIPTION

PROJECT/WCF NO. G20525

KEYWORDS
1.
2.
3.
4.
5.

BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH

| | | | |
|---|---|---|---|
| DESIGNED BY | RCT | RC | 5/12/5 |
| DRAWN BY | DJS | DJS | 5/12/05 |
| CHECKED BY | RLA | RLA | 5/12/5 |
| INDEPENDENT VERIFIER | SRL | SRL | 5/12/05 |
| APPROVED BY | RCT | RC | 5/12/5 |
| CLASSIFIER | | | |

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

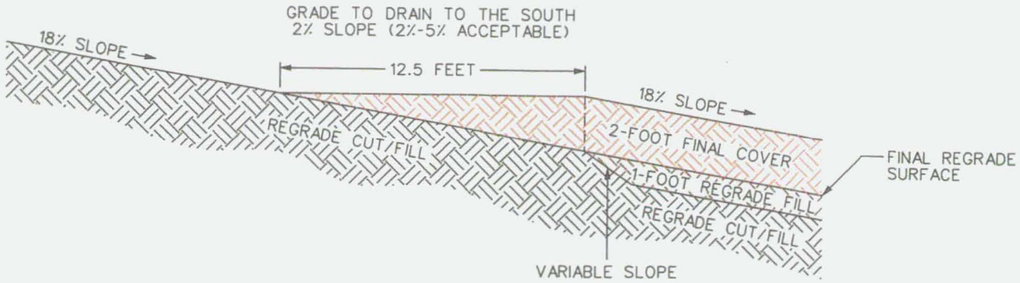
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

# BUTTRESS CROSS SECTIONS
## ORIGINAL LANDFILL ACCELERATED ACTION DESIGN

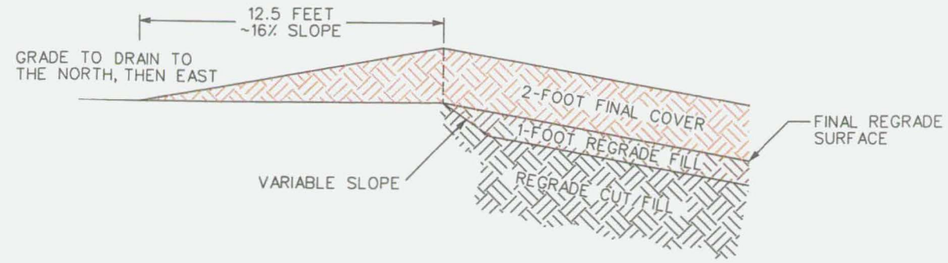
| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-013 | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Buttress\xsect013.dgn Date: 3-2005

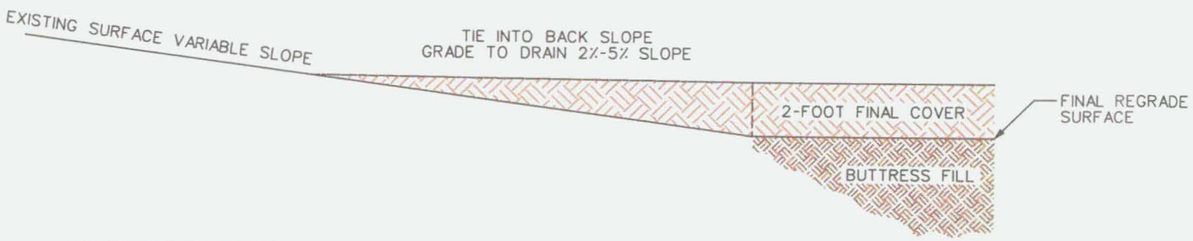
| | QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|---|



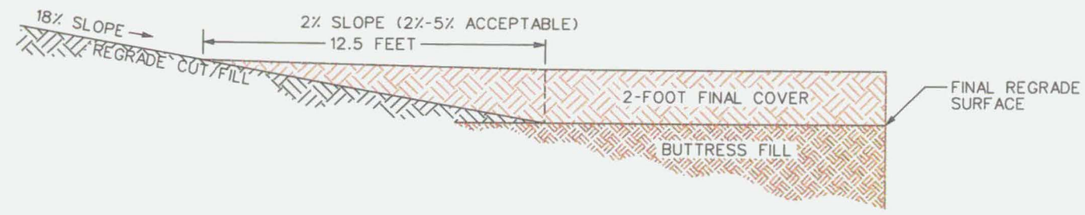

**FINAL COVER TIE IN**
**18% FINAL COVER TO 18% REGRADE SURFACE UPSLOPE**
NTS
1 | 7 | 14



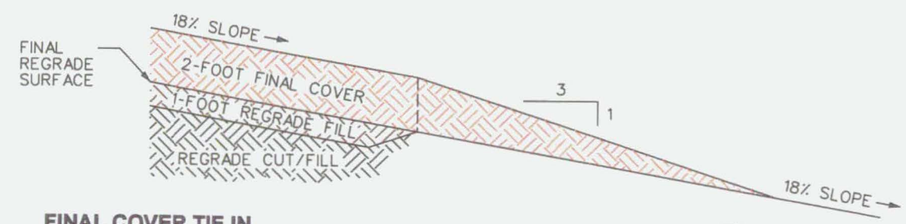

**FINAL COVER TIE IN**
**18% FINAL COVER TO EXISTING CONDITION (NORTH SIDE)**
NTS
2 | 7 | 14



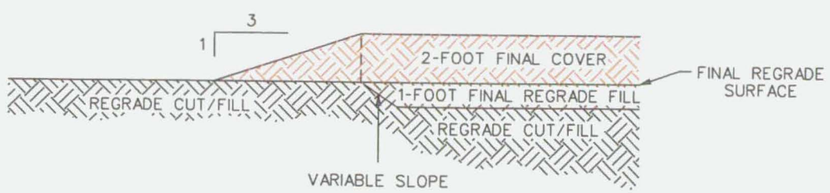

**FINAL COVER TIE IN**
**BUTTRESS (LEVEL) SURFACE TO EXISTING CONDITIONS**
NTS
3 | 7 | 14




**FINAL COVER TIE IN**
**BUTTRESS (LEVEL) SURFACE TO 18% REGRADE SURFACE**
NTS
4 | 7 | 14




**FINAL COVER TIE IN**
**18% FINAL COVER TO 18% REGRADE SURFACE DOWNSLOPE**
NTS
6 | 7 | 14




**FINAL COVER TIE IN**
**18% FINAL COVER TO 18% REGRADE SURFACE**
**CROSS SLOPE (EAST AND WEST)**
NTS
5 | 7 | 14

COLORADO REGISTERED
RANDALL C. THOMPSON
306380
5/12/05
PROFESSIONAL ENGINEER

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| ISSUE | REVISION DESCRIPTION: DESIGN COMPANY | DATE | DSGN | DWN | CHKD | JV | APVD | | | CLASS | 57378 PROJECT/CHARGE NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 ISSUE | ORIGINAL ISSUE | | | | | | | | | | |

DESCRIPTION

PROJECT/WCF NO. 020525

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

KEYWORDS
1.
2.
3.
4.
5.

BLDG./FACILITY: SITE
ROOM/AREA: NA
GRID COORD./COL NO.: NA

TOLERANCES: FRACT. / ANGLE / DEC. / UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY: NA
SCALE: AS SHOWN

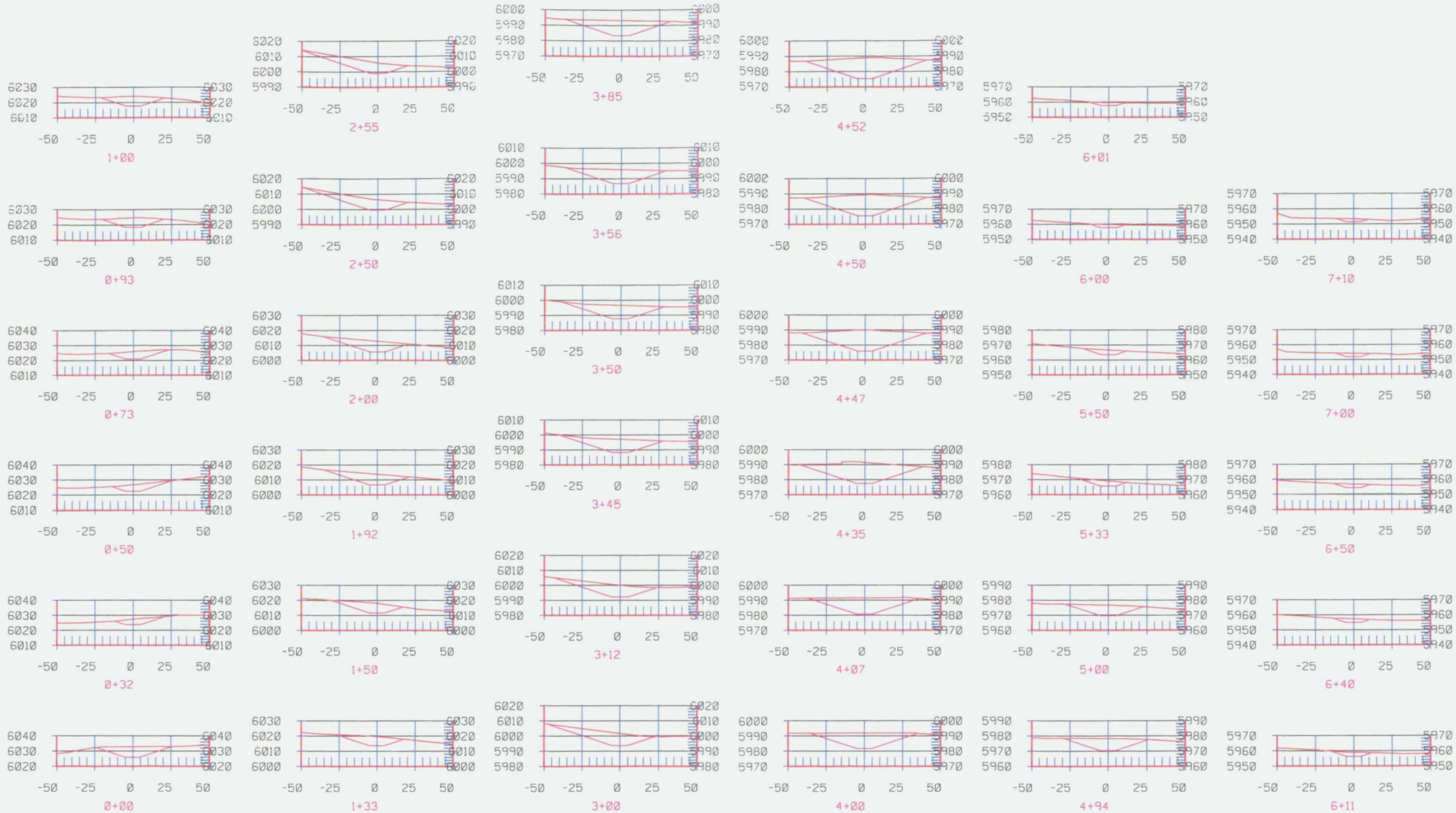
DESIGN COMPANY: U S T R E V E R D E
DESIGNED BY: RCT 5/12/05
DRAWN BY: AD S 5/12/05
CHECKED BY: REA 5/12/05
INDEPENDENT VERIFIER: SRL 5/12/05
APPROVED BY: RCT 5/12/05
CLASSIFIER
LANDLORD

FINAL COVER PERIMETER TIE IN DETAILS
ORIGINAL LANDFILL ACCELERATED ACTION DRAFT DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-014 | 0 |

L:\group\cad\rocky_flats\olf_2005\details\details.dgn 3/23/05

| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|




# WEST CHANNEL

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

FINAL COPY

| ISSUE | REVISION DESCRIPTION | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EARTH TECH DESIGN COMPANY | DATE | | | | | | | | | | CLASS | 57378 PROJECT/CHARGE NO. | |
| 0 ISSUE | ORIGINAL ISSUE DESCRIPTION | | | | | | | | | | | | PROJECT/WCF NO. 020525 | |

| KEYWORDS | TOLERANCES | DESIGN COMPANY: X A S T E Y S O N | | |
|---|---|---|---|---|
| 1. | FRACT. ± | DESIGNED BY | RCA | RA 5/12/5 |
| 2. | ANGLE ± | DRAWN BY | AGS | 5/12/05 |
| 3. | DEC. ± | CHECKED BY | RCT | PA 5/12/5 |
| 4. | UNLESS NOTED OTHERWISE | INDEPENDENT VERIFIER | SHL | 5/12/5 |
| 5. | REMOVE BURRS AND SHARP EDGES | APPROVED BY | RCT | PT 5/12/5 |
| BLDG./FACILITY | NEXT ASSEMBLY | CLASSIFIER | | |
| ROOM/AREA | | | | |
| GRID COORD./COL NO. | SCALE: AS SHOWN | | | |

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

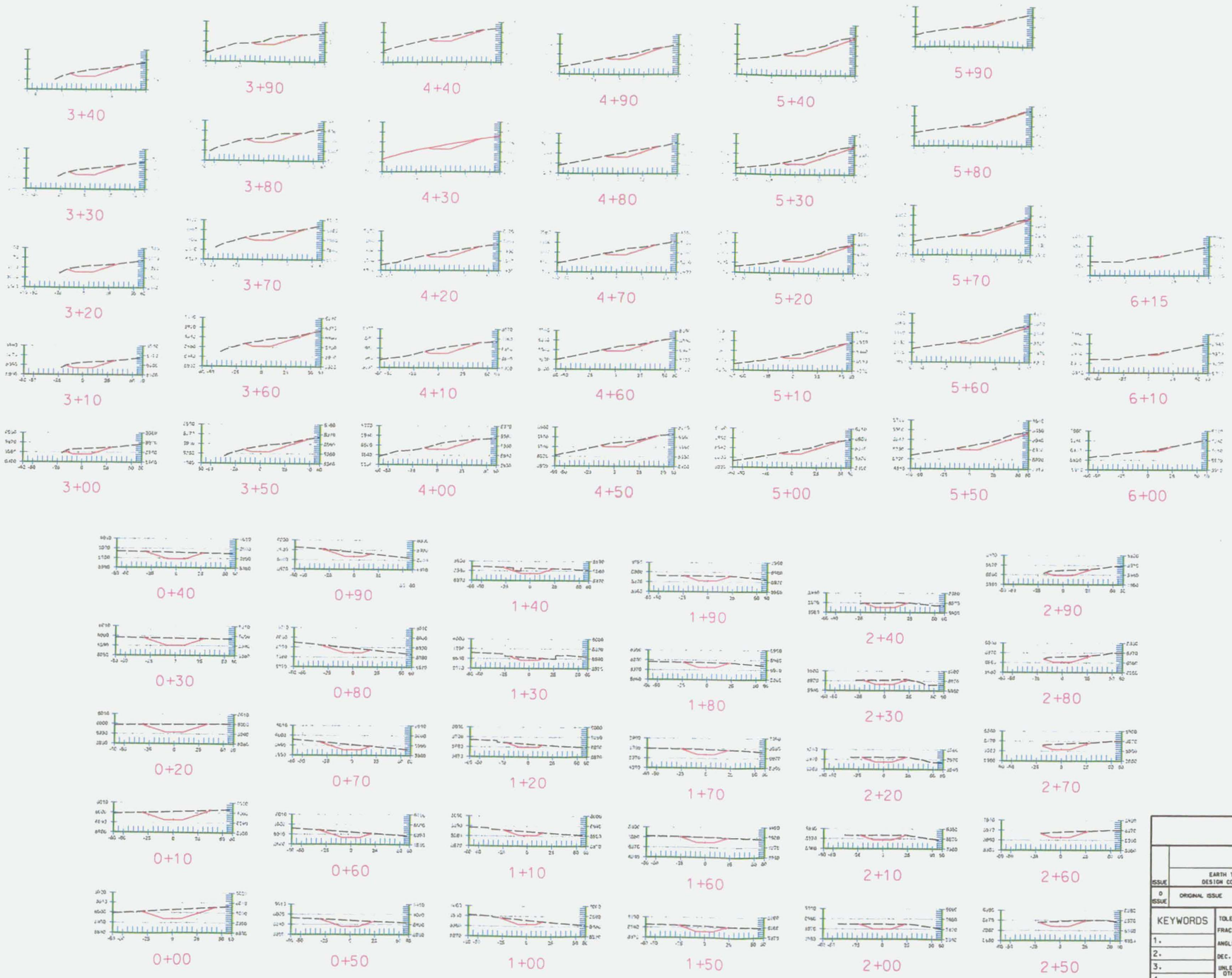
Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

TYPICAL WEST CHANNEL
CROSS SECTION FOR CONSTRUCTION

ORIGINAL LANDFILL
ACCELERATED ACTION
DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-015A | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Channel\WChannel.dgn Date: 3-2005




| QUAN. | DESCRIPTION | MATERIAL |
|---|---|---|

# EAST CHANNEL

COLORADO REGISTERED PROFESSIONAL ENGINEER
RANDALL C. THOMPSON
30638
5/12/05

FINAL COPY

| ISSUE | REVISION DESCRIPTION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EARTH TECH DESIGN COMPANY | DATE | | | | | | | | CLASS | 57378 PROJECT/CHARGE NO. | |
| 0 | ORIGINAL ISSUE | | | | | | | | | | | |
| ISSUE | DESCRIPTION | | | | | | | | | | | |

PROJECT/WCF NO. 020525

KEYWORDS
1.
2.
3.
4.
5.
BLDG./FACILITY
ROOM/AREA
GRID COORD./COL NO.

TOLERANCES
FRACT. ±
ANGLE ±
DEC. ±
UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY
SCALE: AS SHOWN

DESIGN COMPANY: EARTH TECH
DESIGNED BY REA RA 5/12/5
DRAWN BY AGS 5/12/05
CHECKED BY RCT 5/12/5
INDEPENDENT VERIFIER SRL 5/12/5
APPROVED BY RCT 5/12/5
CLASSIFIER

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

TYPICAL EAST CHANNEL
CROSS SECTION FOR CONSTRUCTION

ORIGINAL LANDFILL
ACCELERATED ACTION
DESIGN

| SIZE | DRAWING NUMBER | ISSUE |
|---|---|---|
| B | 51788-015B | 0 |

GROUP\CAD\ROCKY_FLATS\Olf_2005\Channel\EChannel.dgn Date: 5-2005