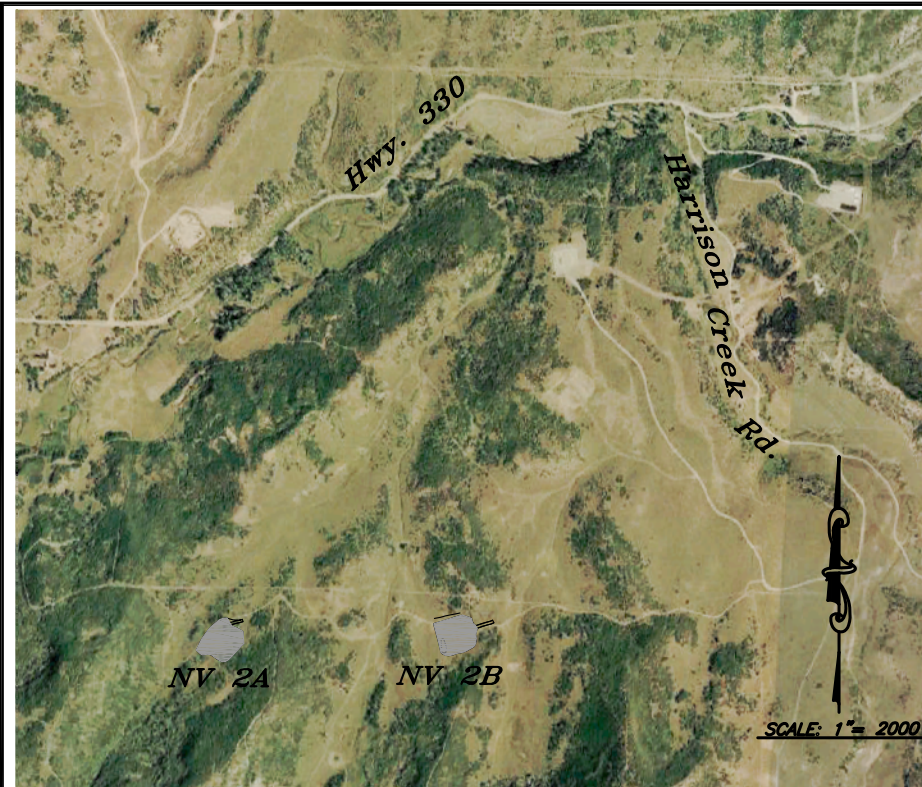


Delta Petroleum Corp

2011 PAD REMEDIATION BID PACKAGE

Construction Notes:

1. Remove existing erosion blankets and topsoil prior to re-grading cut and fill slopes. Stockpile topsoil for placement on finished slopes.
2. Buttress fill should be placed in flat benches on scarified grade (6" depth) and keyed back into existing cut slope a min. of 24" horizontally. Face of fill should be cut following placement.
3. Placement of buttress fill shall be installed at a max. of 12" lifts, moisture treated $\pm 2\%$ of optimum and compacted to 95% standard proctor.
4. Ditch liner shall be 30 mil HDPE.
5. Compaction methods and testing shall be approved by the Engineer at the direction of Delta Petroleum.
6. Topsoil and seed new cut and fill slopes and new disturbed areas according to seeding plan.
7. Pad 2A fill slope to be graded to 2.5:1. Excavation quantity = 11500 CY. 6500 CY to stay on Pad 2A, 5000 CY to be transported to Pad 2B for buttress construction.
8. Buttress fill to placed at slope designated on cross-sections. Apply cut material from fill slope to create buttress shown on plans.



VICINITY MAP

OWNER / APPLICANT

Delta Petroleum Corp

370 17th Street, Suite 4300
Denver, CO 80202

COMPILED BY:

SCHMUESER GORDON MEYER INC.

118 W. 6TH ST., SUITE 200
GLENWOOD SPRINGS, COLORADO 81601
(970) 945-1004

SHEET INDEX

PAGE DESCRIPTION	NO. OF PAGES
- COVER	1
- NV 2A Remediation Plan	2
- NV 2B Remediation Plan	3
- NV 2A & 2B Cross-Sections, & NV 2A Sediment Pond Plan	4

PROJECT CONTACTS:

William Monroe, Project Manager
Delta Petroleum Corp, (970)424-5230

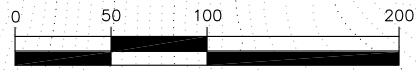
Dan Cokley, P.E.
Schmueser Gordon Meyer, Inc., (970)945-1004

John Mechling, P.E.
CTL Thompson, (970)945-2809

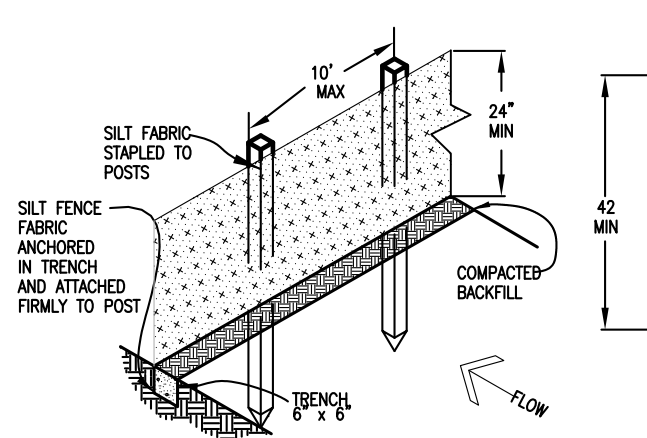
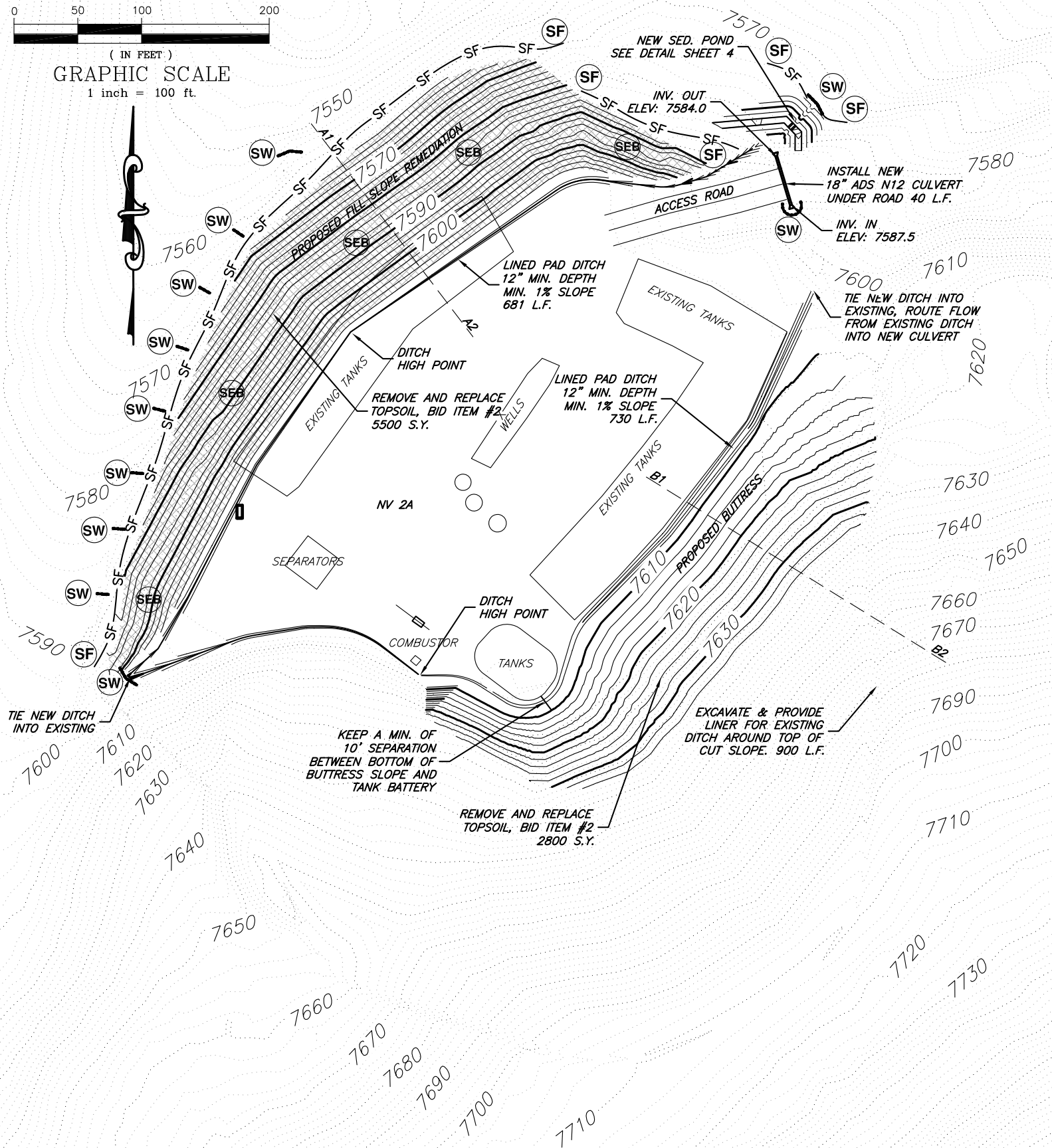


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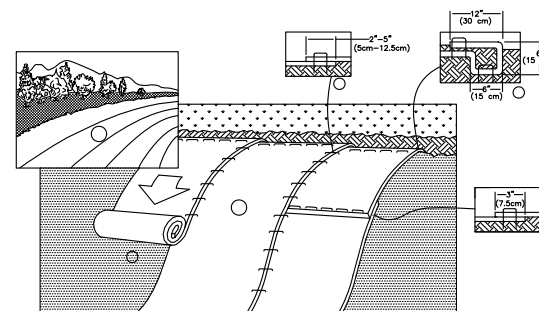
L:\2010\2010-349 Delta Petro 011 - 2011 Pad Remediation\4. Delta Petro 24 Remediation\Building Street: Title 02 Aug 2011 12:48pm Plotted: Tue, 02 Aug 2011 12:48pm



(IN FEET)
GRAPHIC SCALE
1 inch = 100 ft.



SILT FENCE



STRAW WATTLE INSTALLATION DETAIL

N.T.S.

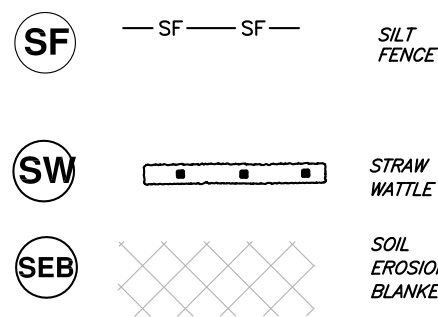
SEEDING PLAN

SOIL PREPARATION, FERTILIZER, SEEDING, MULCHING (WEED FREE) AND MULCH TACKIFIER WILL BE REQUIRED FOR THE DISTURBED AREAS SPECIFIED ON THE PLANS WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT SURFACED. THE FOLLOWING TYPES AND RATES SHALL BE USED:

COMMON NAME	SCIENTIFIC NAME	LBS PLS/ACRE
"ARRIBA" WESTERN WHEATGRASS	PASCOPIRUM SMITHI	5.0
SAND DROPSEED	SPOROBOLUS CRYPTANDRUS	1.0
"SALADO" ALKALI SACATON	SPOROBOLUS AIROIDES	2.0
"PALOMA" INDIAN RICEGRASS	ORYZOPSIS HINERODES	3.0
"CHIEYENNA" INDIAN RICEGRASS	ORYZOPSIS HINERODES	4.0
"BROMAR" MOUNTAIN BROME	BROMUS MARGINATUS	6.0
TOTAL		25.0 LBS

*APPLY SEED MIX TO ALL TOPSOIL AREAS AND SOIL EROSION BLANKET AREAS BEFORE BLANKET IS INSTALLED.

SLOPE INSTALLATION



A temporary sediment barrier constructed of posts, filter fabric and, in some cases, a wire support fence, placed across or near the toe of a slope or in a minor drainage way to intercept and detain sediment and decrease flow velocities from drainage areas of limited size; applicable where sheet and rill or small concentrated flows may be a problem.

A temporary sediment barrier composed of netted straw rolls placed parallel with grade of slope to intercept and detain flow to allow sediment to settle; for low flow velocities where sheet and rill erosion potential is low. Install to manufacturer specs.

Apply to all new fill slopes steeper than 4:1. See slope installation detail



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Delta Petroleum Corporation
Mesa County, Colorado

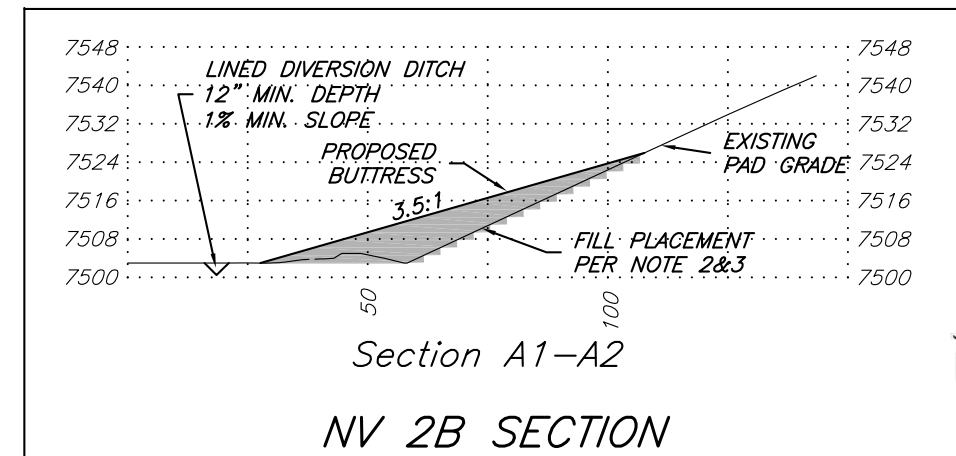
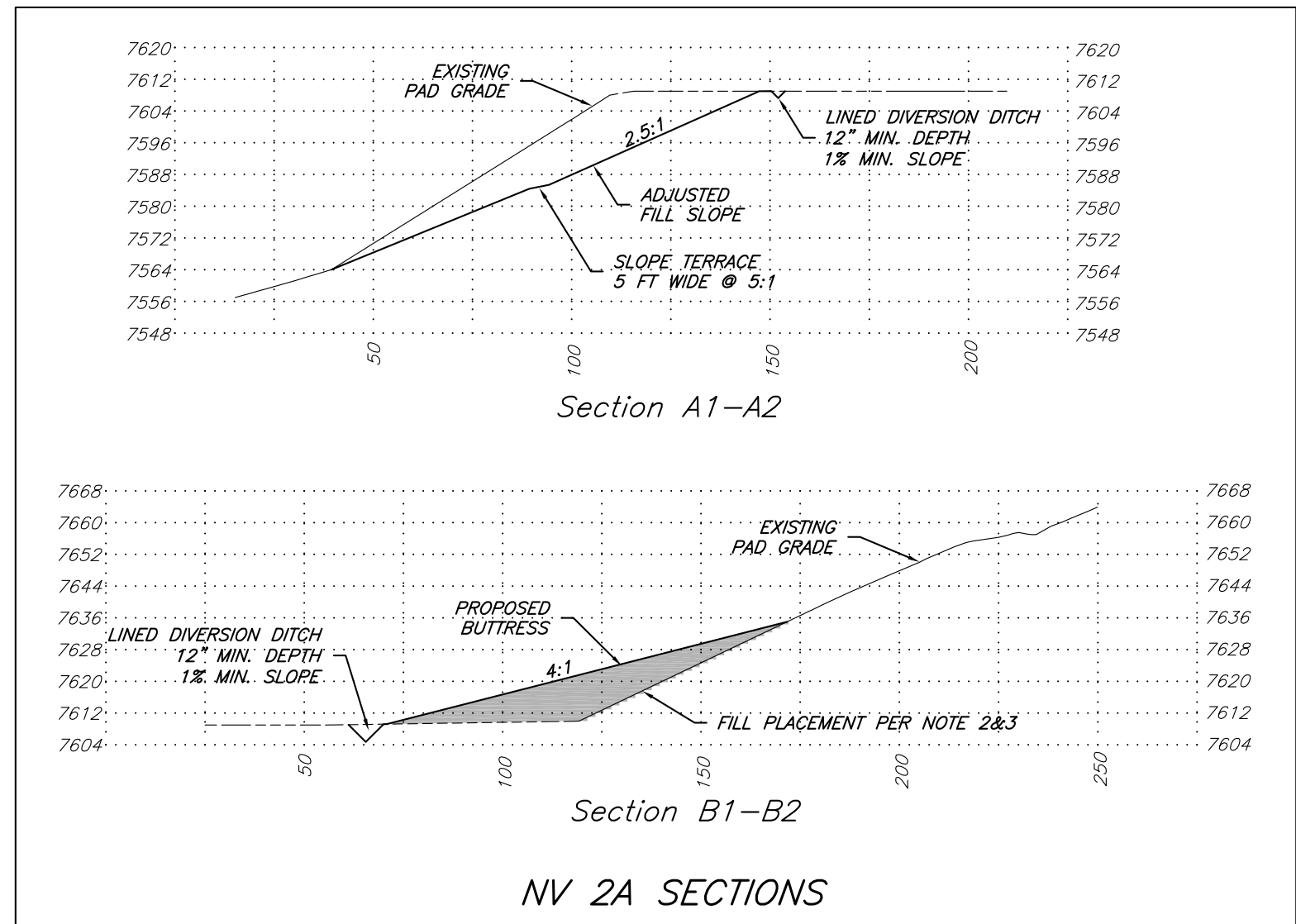
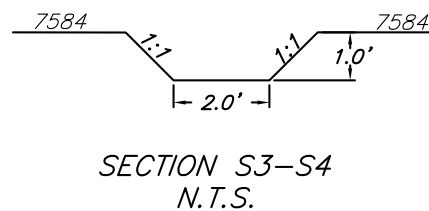
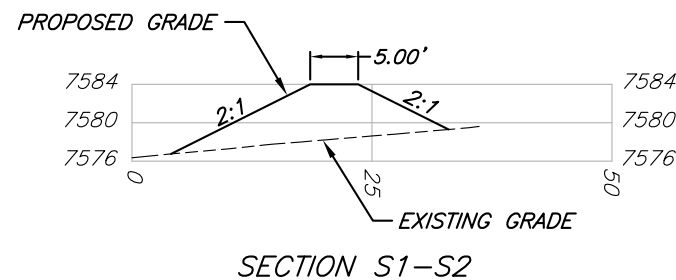
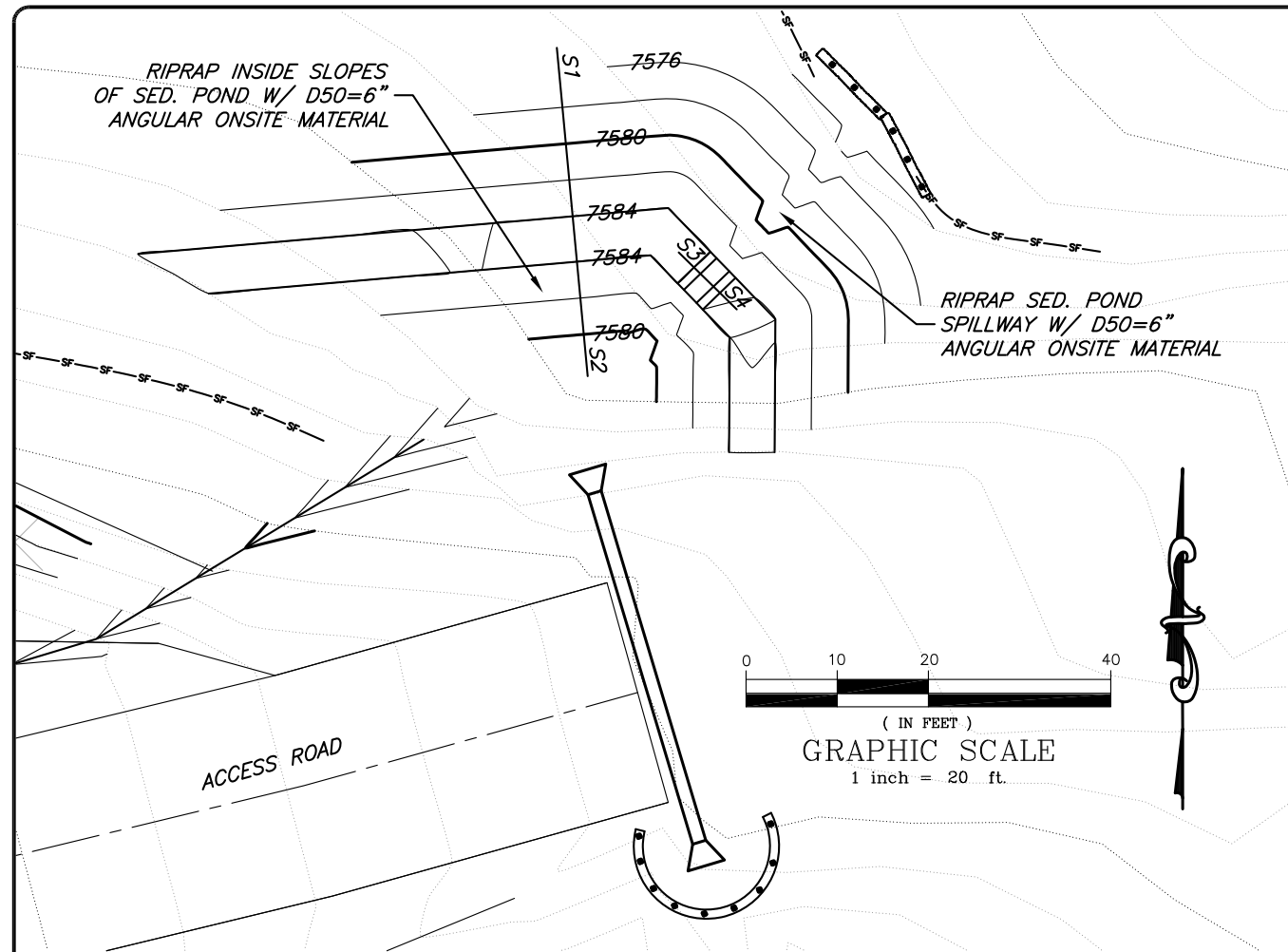
NUMBER	REVISION	DATE	BY

NV 2A
Remediation Plan

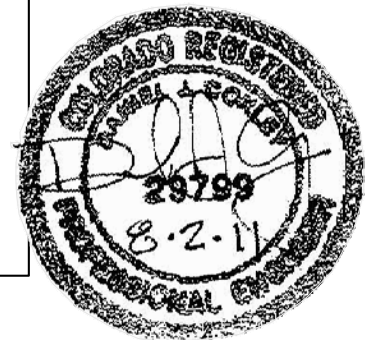
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Drawn by: **DCS**
Date: **7.27.2011**
QC: **DJC** PE: **DJC**

2
OF 4

L:\2010\2010-349 Delta Petro 011 - 2011 Pad Remediation\4-Digital\2011 Pad Remediation Blading Sheet: Title 02 Aug 2011 12:48pm Plotted: Tue, 02 Aug 2011 1:05pm dwg



SCALE:
HORZ: 1"=40'
VERT: 1"=40'



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Mesa County, Colorado

NUMBER	REVISION	DATE	BY

NV 2A & 2B Cross-Sections
& 2A Sediment Pond Plan

Job No. 2010-349.011
Drawn by: DCS
Date: 7.27.2011
QC: PE: DJC
File: Pad 2A Remediation BM.dwg

4
OF 4