

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 400844896			
Date Received: 05/27/2015			

SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 10421 Contact Name Duncan Shepherd
 Name of Operator: PETROLEUM RESOURCE MANAGEMENT CORP. Phone: (303) 861-9480
 Address: 1580 LINCOLN ST., STE 635 Fax: (303) 861-7362
 City: DENVER State: CO Zip: 80203 Email: petromgt@comcast.net

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 081 07799 00 OGCC Facility ID Number: 436484
 Well/Facility Name: Duncan Ranch Well/Facility Number: 11-89-36 #3-4
 Location QtrQtr: Lot 19 Section: 36 Township: 11N Range: 89W Meridian: 6
 County: MOFFAT Field Name: WILDCAT
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srfc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

- Change of Location * As-Built GPS Location Report As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude _____ PDOP Reading _____ Date of Measurement _____
 Longitude _____ GPS Instrument Operator's Name _____

LOCATION CHANGE (all measurements in Feet)

Well will be: _____ (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr Lot 19 Sec 36

New **Surface** Location **To** QtrQtr _____ Sec _____

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec _____

New **Top of Productive Zone** Location **To** Sec _____

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec _____ Twp _____

New **Bottomhole** Location Sec _____ Twp _____

Is location in High Density Area? _____

Distance, in feet, to nearest building _____, public road: _____, above ground utility: _____, railroad: _____,

property line: _____, lease line: _____, well in same formation: _____

Ground Elevation _____ feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>728</u>	<u>FSL</u>	<u>2409</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>11N</u>	Range <u>89W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**

**

** attach deviated drilling plan

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

SPUD DATE: _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT Approximate Start Date 06/08/2015

REPORT OF WORK DONE Date Work Completed _____

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Mangement Plan
<input type="checkbox"/> Change Drilling Plan	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change	<input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.	
<input checked="" type="checkbox"/> Other <u>Change well pad size</u>	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

PRM requests permission from COGCC to enlarge the well pad size to accommodate a larger rig to drill this deep well. Surface owner permission has already been obtained. Construction is anticipated to begin in the middle of June 2015. The attached plats show the proposed changes to the well pad, construction diagrams and cross sections, rig layout, and stormwater management features. Well pad expansion is less than 30%

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

H2S REPORTING

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million) Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

COMMENTS:

<u>Best Management Practices</u>		
<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

Operator Comments:

See comments in environmental/engineering section. No changes have been made to the well heel location, to the well bore trajectory or to the drilling plan. Updated diagrams and plats are attached to revise the original documents submitted with forms 2 and 2A.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Rick Obernolte
Title: Agent Email: rickobe1@aol.com Date: 5/27/2015

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KUBECZKO, DAVE Date: 6/10/2015

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected routing from Engineering to OGLA and passed form on.	5/28/2015 9:41:31 AM

Total: 1 comment(s)

Attachment Check List

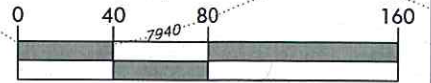
<u>Att Doc Num</u>	<u>Name</u>
400844896	FORM 4 SUBMITTED
400844913	CONST. LAYOUT DRAWINGS
400844915	CONST. LAYOUT DRAWINGS
400844916	OPERATIONS SUMMARY
400844917	CONST. LAYOUT DRAWINGS
400844920	CONST. LAYOUT DRAWINGS
400844923	PROPOSED BMPS
400844924	PROPOSED BMPS

Total Attach: 8 Files

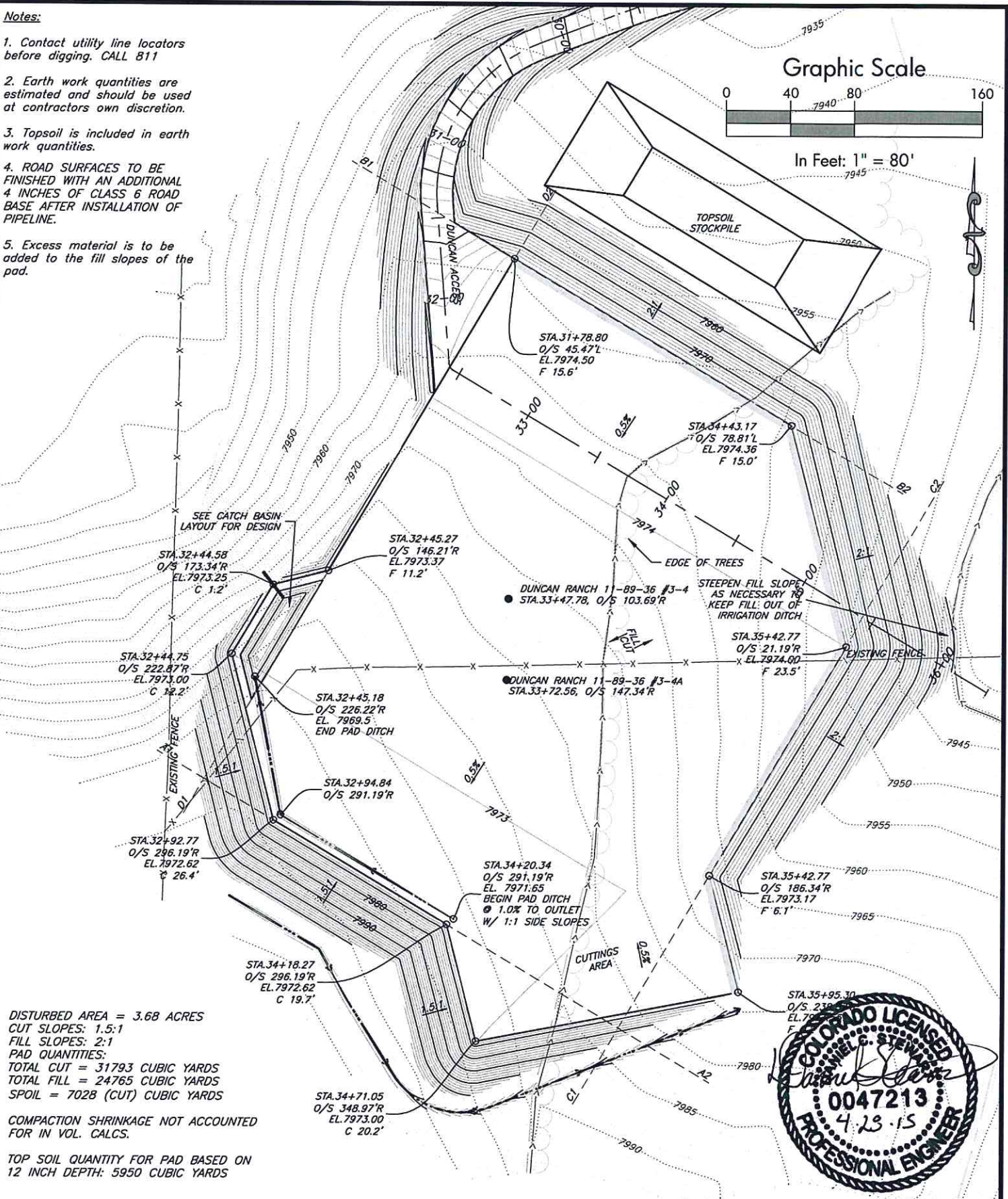
Notes:

1. Contact utility line locators before digging. CALL 811
2. Earth work quantities are estimated and should be used at contractors own discretion.
3. Topsoil is included in earth work quantities.
4. ROAD SURFACES TO BE FINISHED WITH AN ADDITIONAL 4 INCHES OF CLASS 6 ROAD BASE AFTER INSTALLATION OF PIPELINE.
5. Excess material is to be added to the fill slopes of the pad.

Graphic Scale

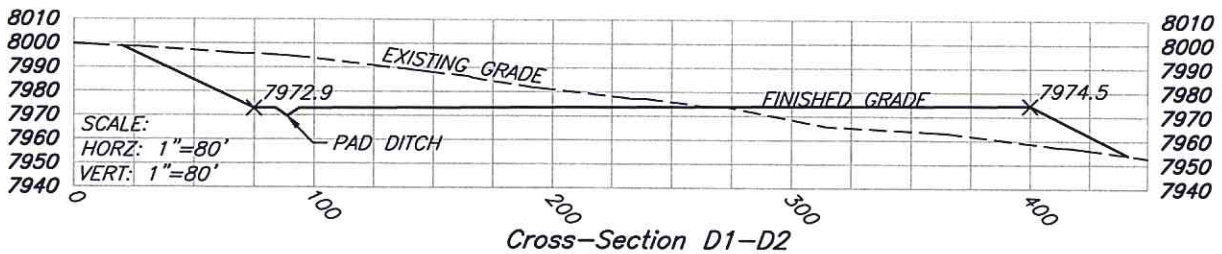
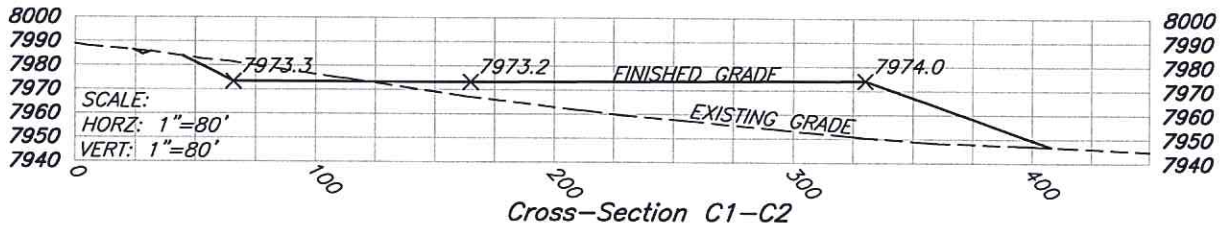
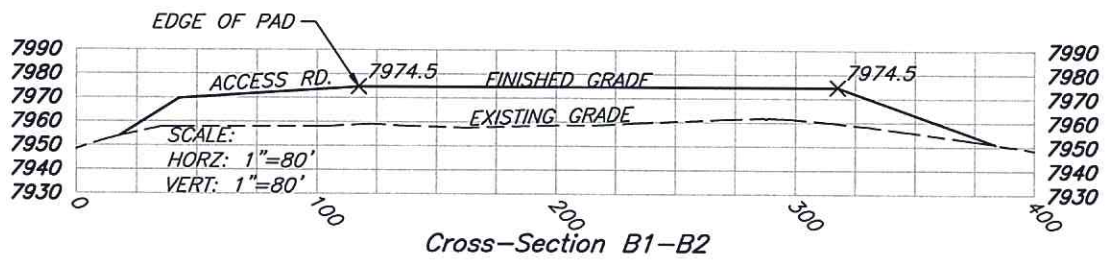
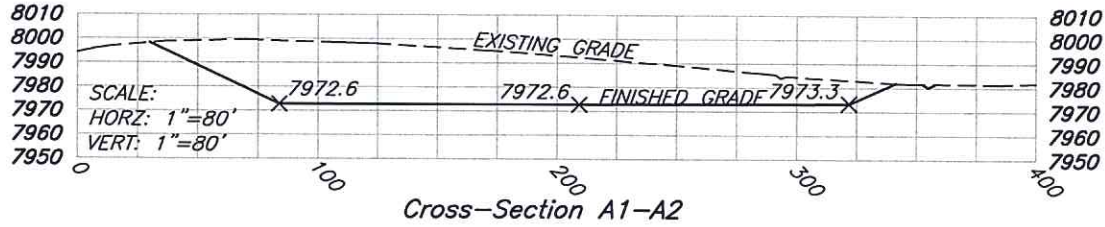


In Feet: 1" = 80'



DISTURBED AREA = 3.68 ACRES
 CUT SLOPES: 1.5:1
 FILL SLOPES: 2:1
 PAD QUANTITIES:
 TOTAL CUT = 31793 CUBIC YARDS
 TOTAL FILL = 24765 CUBIC YARDS
 SPOIL = 7028 (CUT) CUBIC YARDS
 COMPACTION SHRINKAGE NOT ACCOUNTED FOR IN VOL. CALCS.
 TOP SOIL QUANTITY FOR PAD BASED ON 12 INCH DEPTH: 5950 CUBIC YARDS





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Glenwood Springs, CO 81601
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Scale: 1" = 80

Sheet 2C of 7

DR SE APD

Duncan Ranch SE Cross-Sections

SW1/4 SE1/4, Section 36, T.11N, R.89W., 6TH P.M.

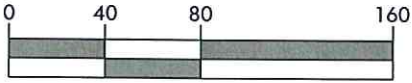
Job# 2013-379.001

Date: 4.28.15

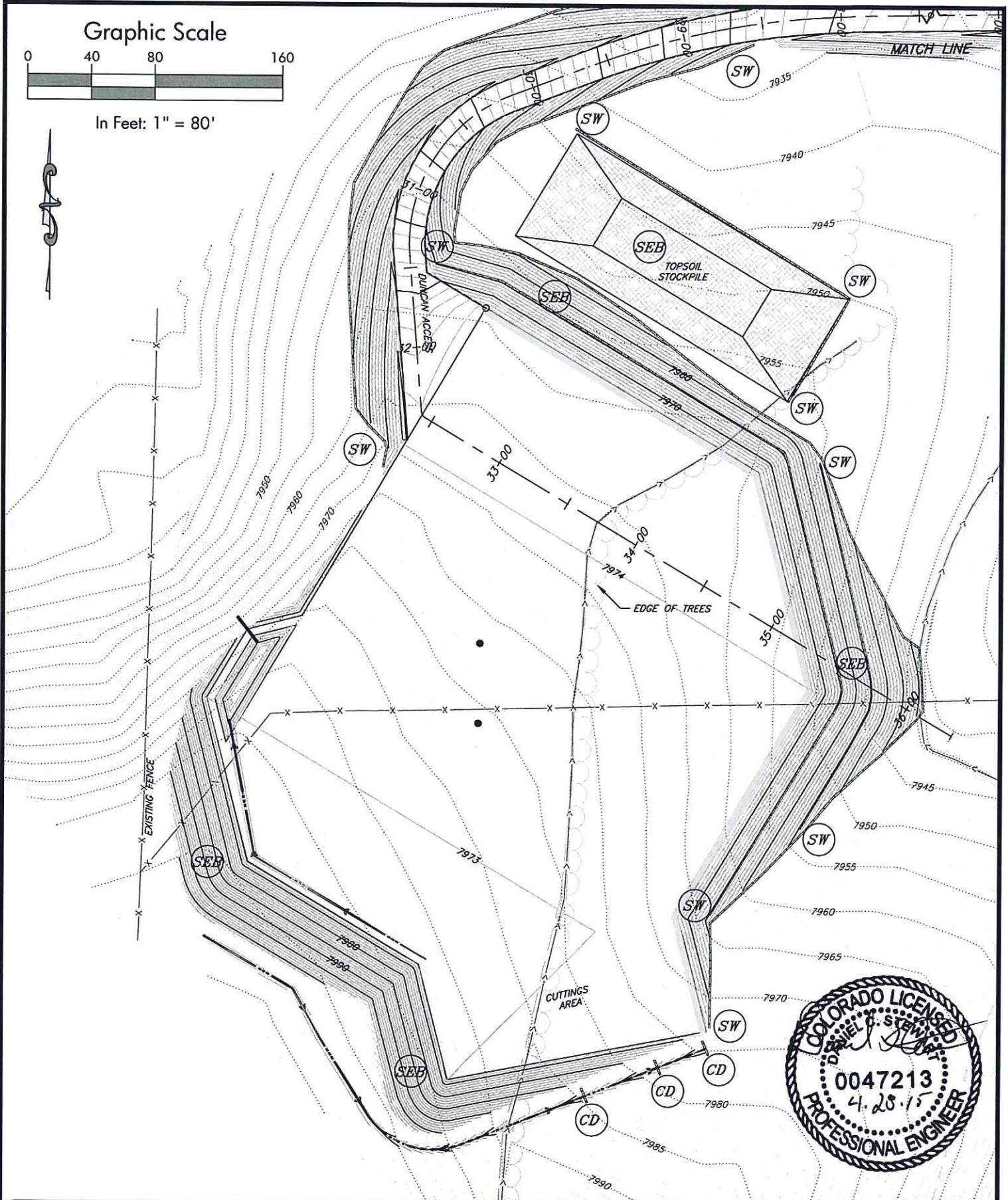
By: DCS

File: DRAPD_BM

Graphic Scale



In Feet: 1" = 80'



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Scale: 1" = 80'

Sheet 2E of 7

DR SE APD

Duncan Ranch SE SWMP

SW1/4 SE1/4, Section 36, T.11N, R.89W., 6TH P.M.

Job# 2013-379.001

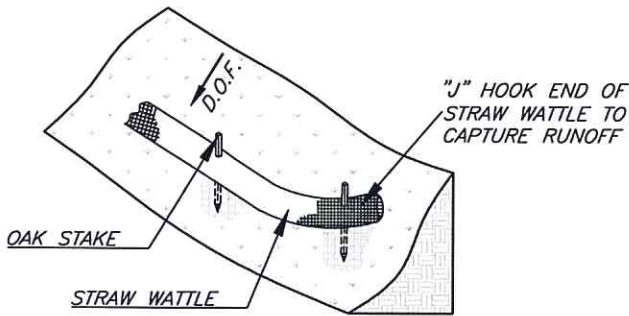
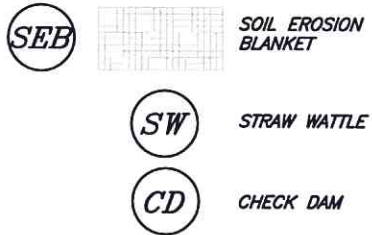
Date: 4.28.15

By: DCS

File: DRAPD_BM

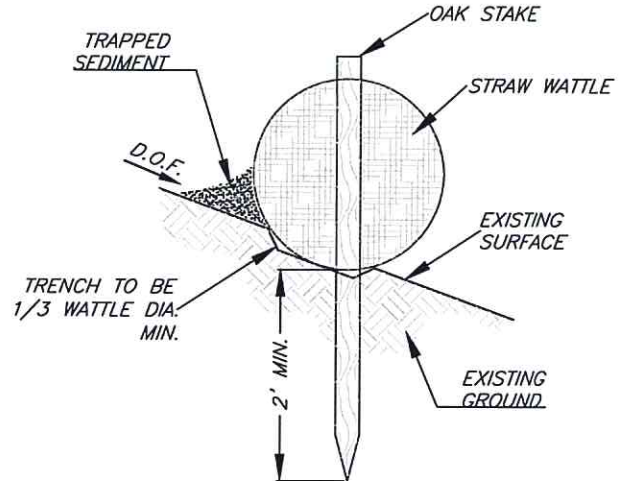
NOTES:

1. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES (INCLUDING STAGING AREAS) NOT CALLED OUT IN THIS PLAN ARE TO BE TOP SOILED 4" MIN. AND SEEDED.
2. CHECK DAMS AND INLET/OUTLET PROTECTION ARE TO BE CONSTRUCTED USING STRAW WATTLES INSTALLED ACCORDING TO DETAIL.
3. EC BLANKETS ARE TO BE SINGLE LAYER (TOP ONLY) UV DEGRADABLE PLASTIC MESH.
4. ALL STRAW WATTLES INCLUDING CHECK DAMS AND INLET PROTECTION ARE TEMPORARY EROSION CONTROL MEASURES THAT ARE TO BE REMOVED WHEN 70% RE-VEGETATION IS COMPLETE.
5. EROSION CONTROL DEVICES ARE TO BE INSTALLED AS AREAS OF CONSTRUCTION THEY ARE INTENDED TO PROTECT ARE COMPLETED.
6. SEED MIX IS TO BE APPROVED BLM SEED MIX FOR LOCATION ELEVATION AND CLIMATE.
7. SOIL EROSION BLANKET IS TO BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.



END OF WATTLE INSTALLATION

N.T.S



STRAW WATTLE DETAIL TYP.

N.T.S



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Scale: N/A

Sheet 2F of 7

DR SE APD

Duncan Ranch SE Notes & Details

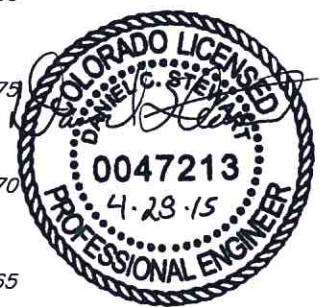
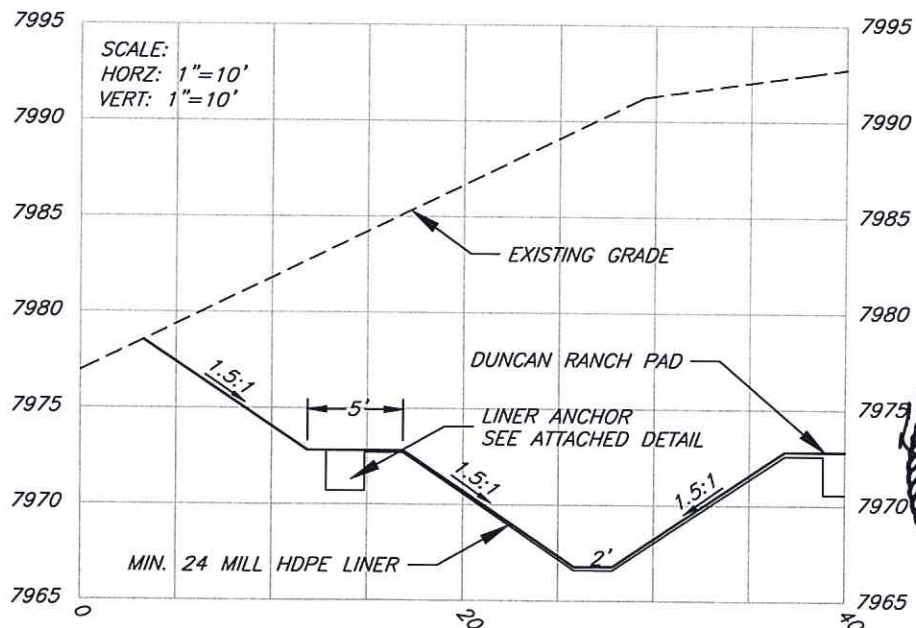
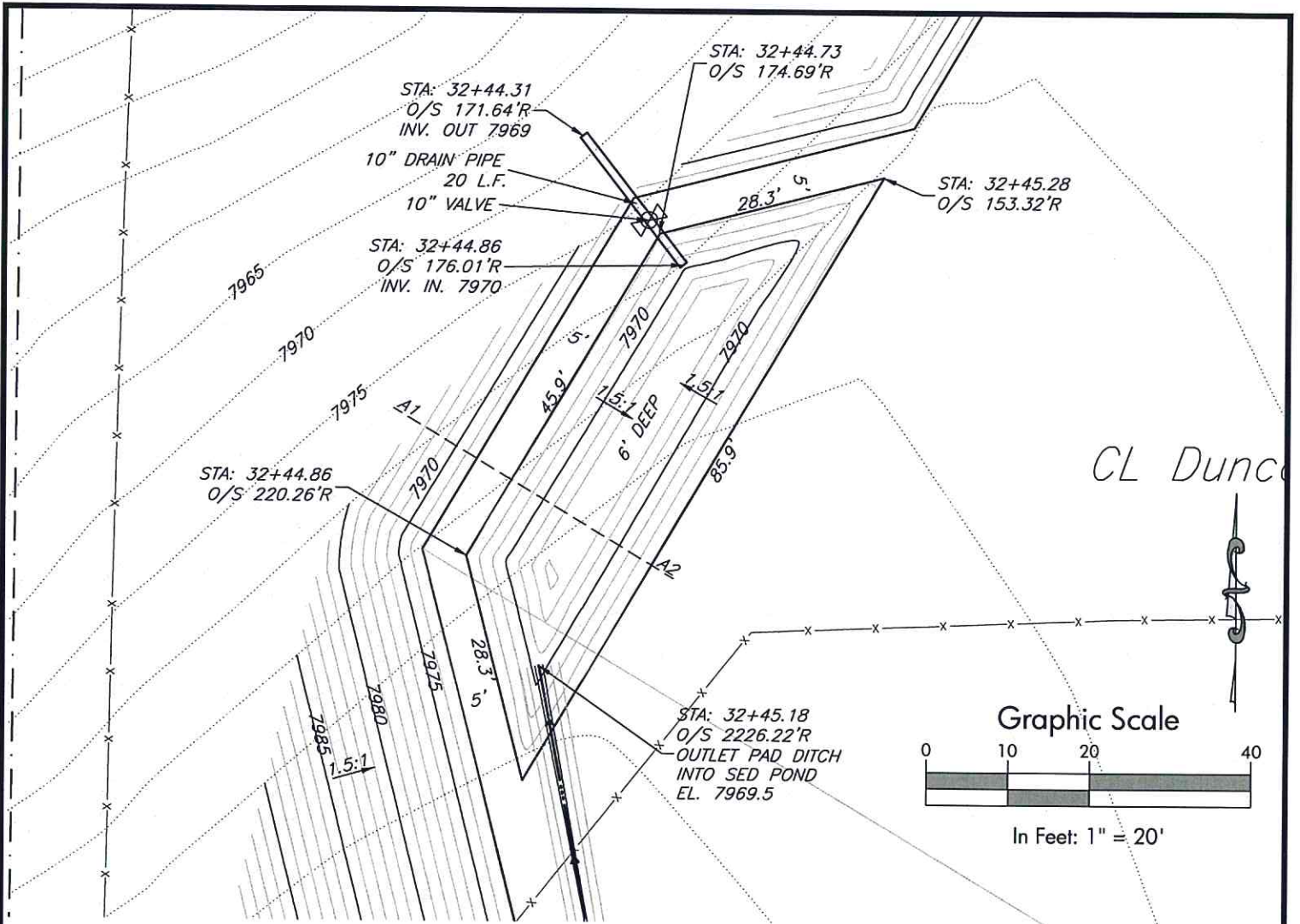
SW1/4 SE1/4, Section 36, T.11N, R.89W., 6TH P.M.

Job# 2013-379.001

Date: 4.28.15

By: DCS

File: DRAPD_BM



Cross-Section AA

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Scale: 1" = 20'
Sheet 2D of 7
DR SE APD

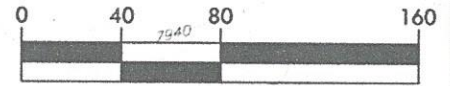
Duncan Ranch SE Catch Basin Design
SW1/4 SE1/4, Section 36, T.11N, R.89W., 6TH P.M.

Job# 2013-379.001 Date: 4.28.15 By: DCS File: DRAPD_BM

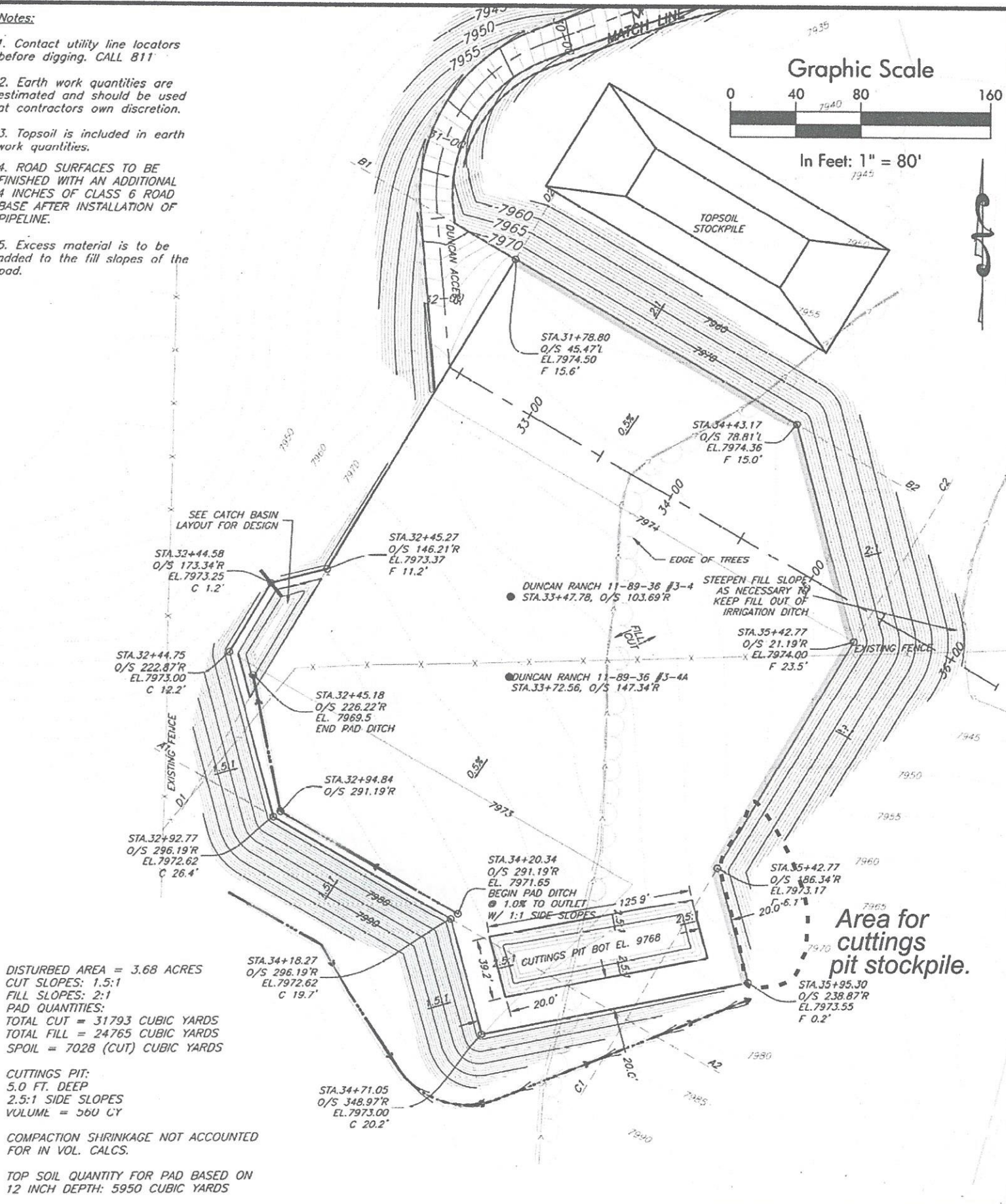
Notes:

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Graphic Scale



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 PAD QUANTITIES:
 TOTAL CUT = 31793 CUBIC YARDS
 TOTAL FILL = 24765 CUBIC YARDS
 SPOIL = 7028 (CUT) CUBIC YARDS

CUTTINGS PIT:
 5.0 FT. DEEP
 2.5:1 SIDE SLOPES
 VOLUME = 560 CY

COMPACTION SHRINKAGE NOT ACCOUNTED FOR IN VOL. CALCS.

TOP SOIL QUANTITY FOR PAD BASED ON 12 INCH DEPTH: 5950 CUBIC YARDS

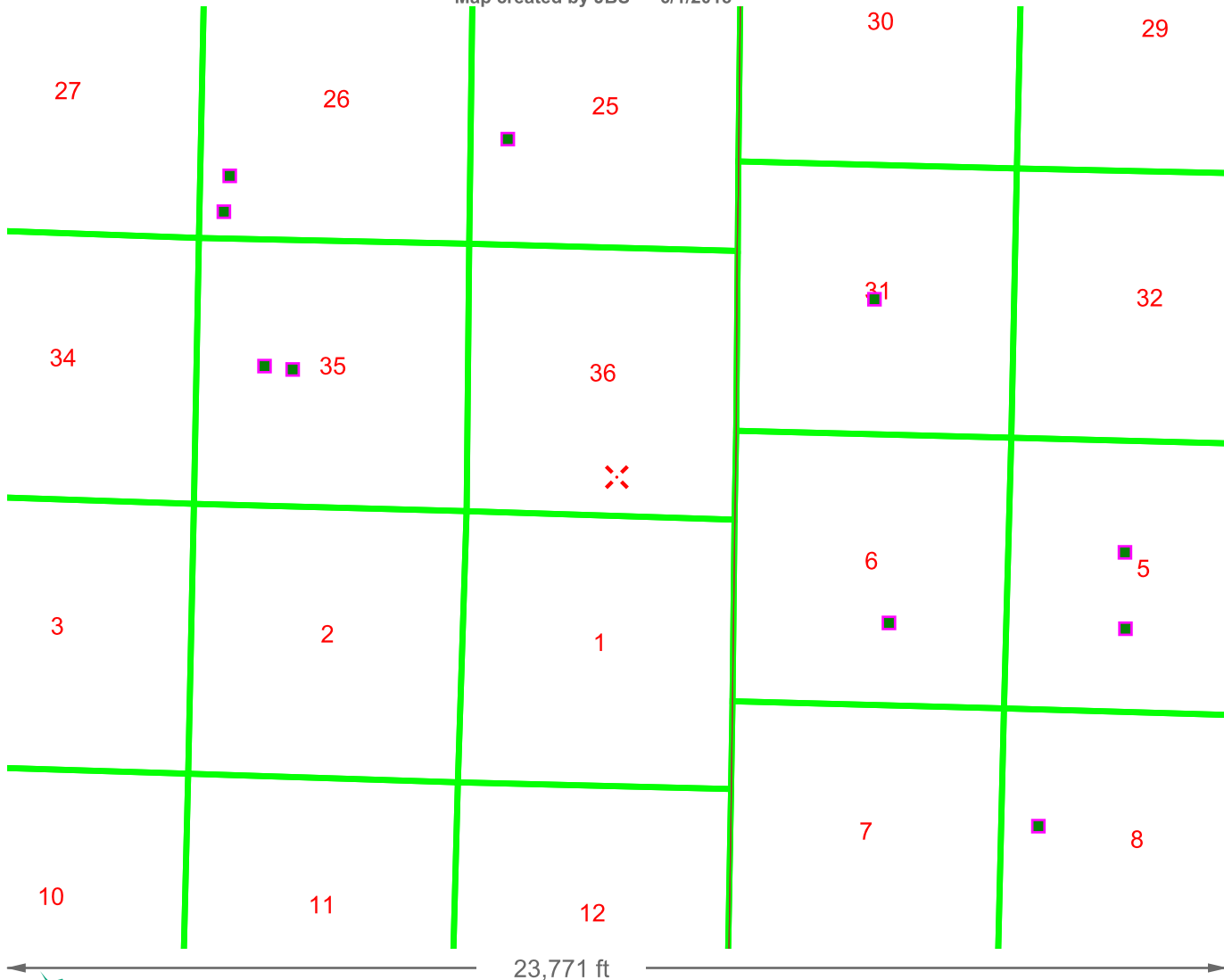
<p>Petroleum Resource Management Corp.</p>	<p>118 West Sixth Street, Suite 200 Glenwood Springs, CO 81601 970.945.1004 www.sgm-inc.com</p>	Scale: 1" = 80	Duncan Ranch SE 11-89-36 #3-4 Construction Layout		
		Sheet 2A of 7	SW1/4 SE1/4, Section 36, T.11N, R.89W., 6TH P.M.		
		DR SE APD	Job# 2013-379.001	Date: 4.28.15	By: DCS

AQUAMAP

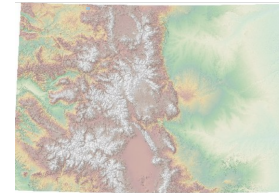
Colorado Division of Water Resources

Duncan Ranch Wells Springs Seeps

Map created by JBS 6/1/2015



MAP NAVIGATION



Click to create PDF
 UTM X, Zone 13: 307691
 UTM Y, Zone 13: 4523725
 Long: -107° 16' 52.0"
 Lat: 40° 50' 31.3"
 UTM and Geographic(LL) coordinates in NAD 83

DATA DISPLAY

- Background
- Counties
- Water Well Application
- 2011 Aerials
- PLSS
- DWR Parcels
- Low High
- Roads
- EPA Well Notification
- Hydrography
- Oil/Gas Well Location
- County Parcels (No Public Access)
- Towns
- [More Data](#)

LOCATION

Section	Township	Range	Meridian
36	11	N	89
W	Sixth		

PRINTING

Output Scale	Page Size	User
40,077	8.5x11	JBS

Title

Note: The well locations displayed on AquaMap are based on location information provided by well permit application forms and are only as accurate as the information provided. The actual physical location of all wells have not been field verified and may vary from the location displayed. Refer to a copy of the original well permit file, available on the Division of Water Resources website, for well location details.



Based on work developed at <http://www.carto.net>

Address location by Bing Maps
 AquaMap Version 3.0.1 July 5, 2009

Duncan Ranch 11-89-36 #3-4 distance to nearest water well

