



E-470 Public Highway Authority  
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Aurora, CO 80018  
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303.537.3472 Fax

RECEIVED

JAN 22 2014

Adams County  
Arapahoe County  
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Douglas County  
Parker, CO  
Thornton, CO

DIVISION OF RECLAMATION  
MINING AND SAFETY

January 16, 2014

Tom Kaldenbach  
Office of Mined Land Reclamation  
Colorado Division of Reclamation, Mining & Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

**Re: Henderson Development, Permit No. M-1980-110 (Sandy Acres Pit)**  
**Technical Revision Application No. TR-02**

Dear Mr. Kaldenbach:

Thank you for your January 2<sup>nd</sup> letter re the above. I will answer your questions in the same order as your letter:

1. **Rule 1.1(6), Technical Revision versus Amendment.** It is my understanding that our proposal falls into the category of Technical Revision based on the definition of Amendment in Rule 1.1(6). The location of the conveyor belt is shown on attached plan sheet 5. This shows the conveyor belt crossing Nome Street via a box culvert located more than 200 feet from the approved affected area of the Sandy Acres pit. The construction for the box culvert is under an existing road (Nome Street) that also serves as a connector to E-470 from U.S. 85. The road is jointly owned by the Authority and Adams County. I have sent an application to the County for a grading and drainage permit to allow the construction of the box culvert.

Based on this conclusion, I'm not sure you still need answers to your other questions but I will attempt to answer them so you have a more full understanding of our proposal.

2. **Rule 3.1.5(9)(c), Inert Fill Certification.** We will provide this certification. Please see attached draft for review.
3. **Rule 6.4.3, Exhibit C - Pre-mining and Mining Plan Map(s) of Affected Lands.** The acreage of the affected land will not be increased. There are no man-made structures within the affected area.
4. **Rule 6.4.19, Exhibit S - Permanent Man-made Structures.** The box culvert and conveyor system will not affect any man-made structure and the structural integrity of the U.S. 85 ramp will not be affected. The Authority maintains this access ramp to the highest standard as it directly affects our traffic and therefore our revenue.


5. **Rule 6.4.5(e)(i), Exhibit E - Reclamation Plan.** As requested, please find a two page extract from the 1995 M-1980-110 Permit Exhibit E – Reclamation Plan. Option #2 appears to allow the reclamation option of filling the lake. Please note that the Authority does not intend to use the site for future industrial or commercial development.
6. **Rule 6.4.5(e)(i), Exhibit E - Reclamation Plan or Schedule.** We estimate the filling of the lake will take around 9 months to complete. We anticipate notice to proceed in spring 2014 once we have the Adams County grading and drainage permit and the approval of the DRMS.
7. **Exhibit F, Reclamation Plan Map.** Please see attached plan sheet 5, a revised reclamation map, which shows the conveyor system (inside the box culvert) crossing below the access ramp. I have also enclosed plan sheets 3 and 4 which show the box culvert details.
8. **Rule 6.4.13, Other Permits and Licenses.** We have submitted a request for a grading and drainage permit to Adams County, per their direction.
9. **Rule 6.4.13, Other Permits and Licenses.** We have no record of a Certificate of Designation. The Authority purchased the property in 1999/2000 which is later than the 1994 Adco letter.

In summary, The Authority would like to request a technical revision to the permit rather than an amendment because of the reasons cited above.

Please call Neil Thomson at (303) 537-3712 if you need more information or have further questions. Alternatively, I'd be happy to come to your offices to meet and discuss the project.

Thanks for your help with this.

Sincerely



Neil G. Thomson P.E.  
Director of Engineering and Roadway Maintenance  
E-470 Public Highway Authority

NGT/pd

DRAFT  
January 15, 2014

Mr. Tom Kaldenbach  
Colorado Division of Reclamation, Mining and Safety  
1313 Sherman Street Room 215  
Denver, CO 80203

**Re: Affidavit of Inert Fill: Henderson Development, Permit No. M-1980-110  
Adams County, Colorado (Sandy Acres)**

Dear Mr. Kaldenbach,

A request for technical revision to the reclamation plan for the Henderson Development, Permit No. M-1980-110 was submitted to you on December 5, 2013. The purpose of the technical revision is to perform minor modifications to the approved reclamation plan by placing approximately 750,000 cubic yards of inert fill into the pond.

The source of the fill is the adjacent Brannan pit and will comprise “wash fines” from their gravel mining operation. The material will be transported via conveyor belt system from one side of Nome Street to the other through a box culvert to be installed below the pavement.

The purpose of this letter is to certify that the material placed into Sandy Acres Lake (Henderson development) shall meet the definition of "inert material" as defined in Rule 1.1(20) of the DRMS Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials. Visual inspections of the material will be performed prior to delivery and placement to ensure continued compliance with the Rules. This signed affidavit is being provided in accordance with Rule 3.1.5(9)(c).

Feel free to contact me at (303) 537-3712 if you have any questions.

Yours sincerely,

NGT

**Affidavit**

State of Colorado: County of Adams

Before me, the undersigned notary public, this day, personally, appeared \_\_\_\_\_  
to me known, who being duly sworn according to law, deposes the following:

“Fill material placed into the Sandy Acres Lake (Henderson Development) shall meet the definition of "inert material" as defined in Rule 1.1(20) of the DRMS Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials."

\_\_\_\_\_ (Signature of Affiant)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_ Notary Public

My Commission Expires: \_\_\_\_\_

## SANDY ACRES - M-80-110

EXHIBIT E - RECLAMATION PLAN

The Colorado Sand and Gravel Company originally permitted two adjacent mining operations, Pinewood Estates and Sandy Acres. All reclamation activities on the Pinewood Estates mining area have been completed. The mining on the Sandy Acres portion is being completed, and these two optional revised reclamation plans are only applicable to the Sandy Acres mining operation. The two optional reclamation plans are as outlined below. Both are the plan that was originally approved for that option and were based on recommendations of the Soil Conservation Service at the time. For either plan, reclamation would be initiated in late 1995 or in 1996 after completion of mining, and both require a minimum of 6" of stored topsoil material being respread for revegetation. Typical sloping for each option is shown on the next page, and the revegetation plan for each option is noted on the revised "EXHIBIT F - RECLAMATION PLAN MAP".

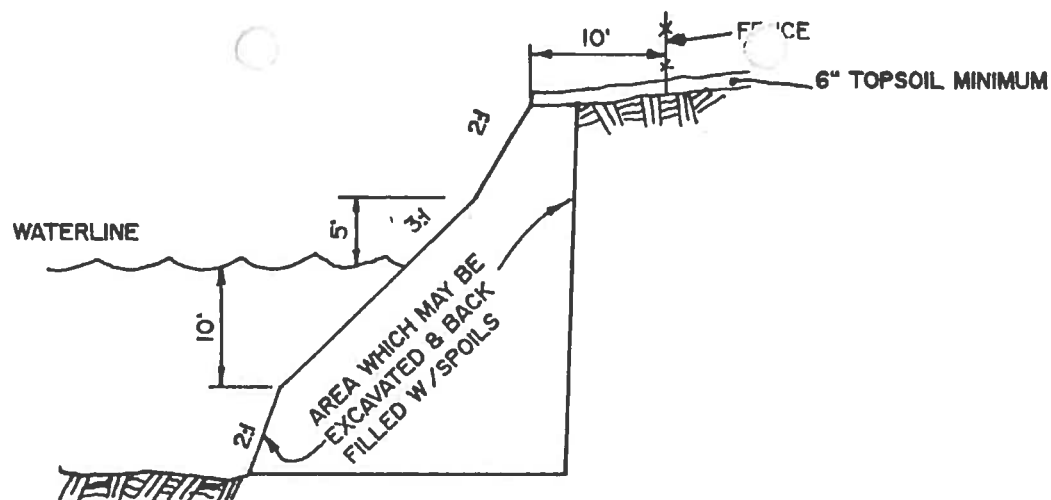
Option #1 - Permanent 20+ acre lake with Rural Residential Homesites.

This was the original reclamation plan for the property, and the owner would like this plan to be re-instated as one of two optional reclamation plans. It provided for a large common lot with a lake and 14 individual homesite lots. Sand spoils and overburden from on-site will be utilized to build the necessary shores. Under this option, the lake is proposed as an open space amenity for the homesite lots. If this reclamation plan is selected, it should be completed within 1 year after initiation. Maximum steepness of sloping would be 2 (horizontal) to 1 (vertical), except:

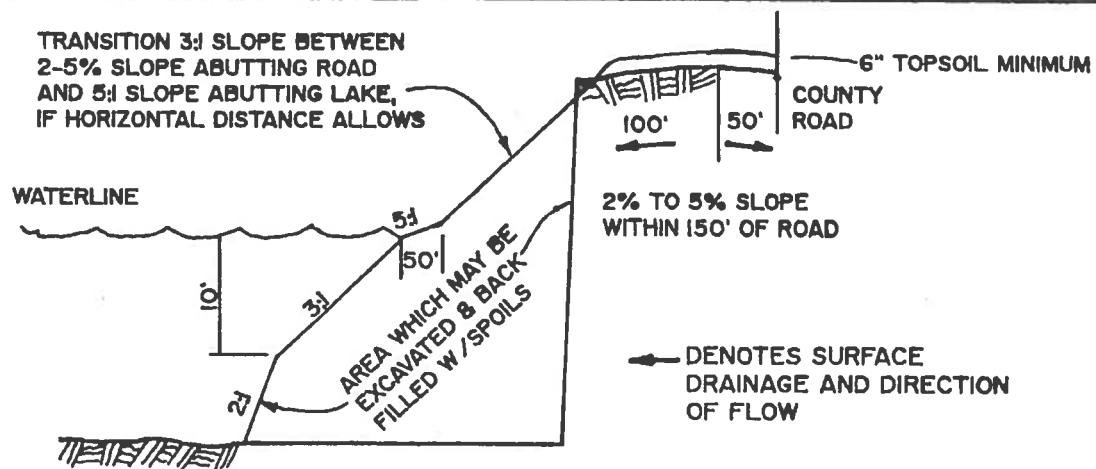
- a. Along the back of the homesite lots along the north and west sides of the lake's edge, a maximum of 5 to 1 slopes from a minimum of 50' above waterline to waterline would be utilized.
- b. Along the south and east sides of the lake's edge, a maximum of 3 to 1 slopes shall be utilized from waterline to 5' above waterline.
- c. On all slopes from waterline to 10' below waterline, a maximum of 3 to 1 slopes shall be utilized.

Option #2 - Clean Filling of Lake for Future Industrial or Commercial Uses

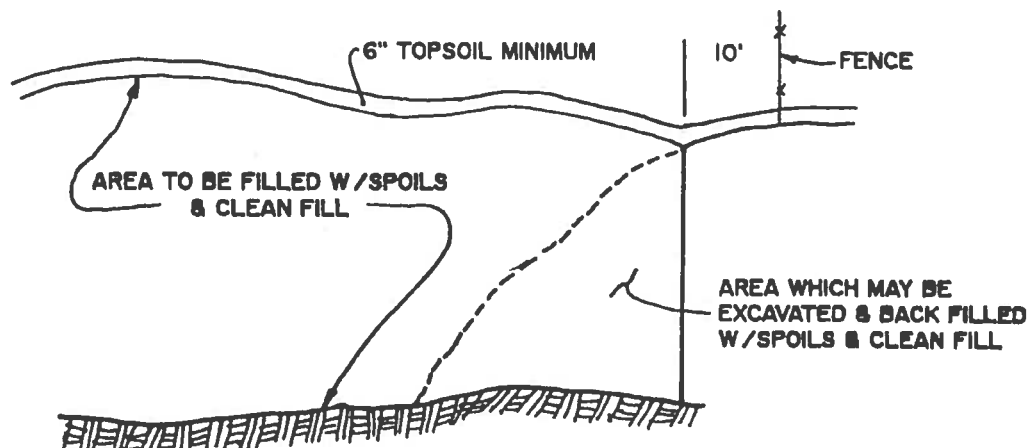
This is reclamation plan is presently approved for the property. It was proposed after E-470's route was proposed to cross portions of the property. Although this possibility is by no means certain, the owners would still like to retain this optional reclamation plan. If this reclamation plan is selected, it should be completed within 5 years after initiation and selection of this plan and would be subject to requirements of the Colorado Department of Health and Environment on clean filling in contact with ground water. Under this option, the property would be clean filled and utilized for some future industrial and/or commercial use.



TYPICAL CROSS SECTION, OPTION #1 - South and East Sides  
N.T.S.



TYPICAL CROSS SECTION, OPTION #1 - North and South Sides  
N.T.S.



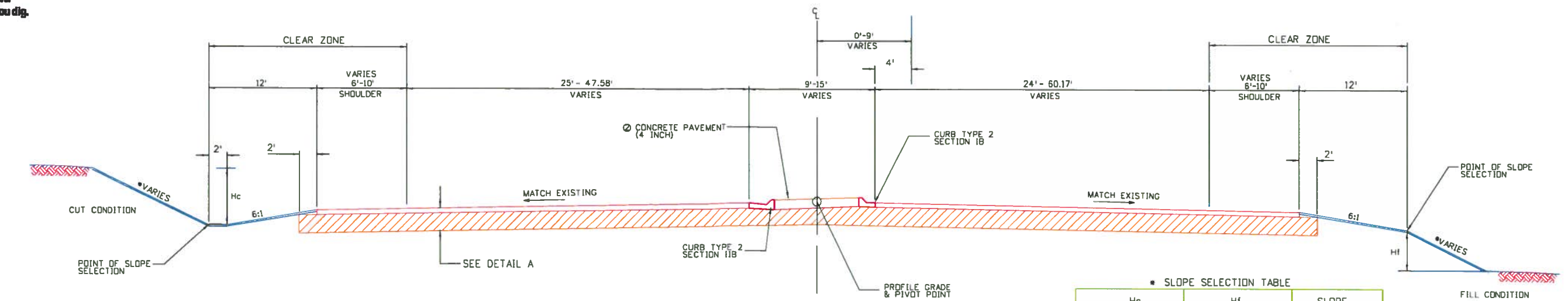
TYPICAL CROSS SECTION, OPTION #2  
N.T.S.



Know what's below.  
Call before you dig.

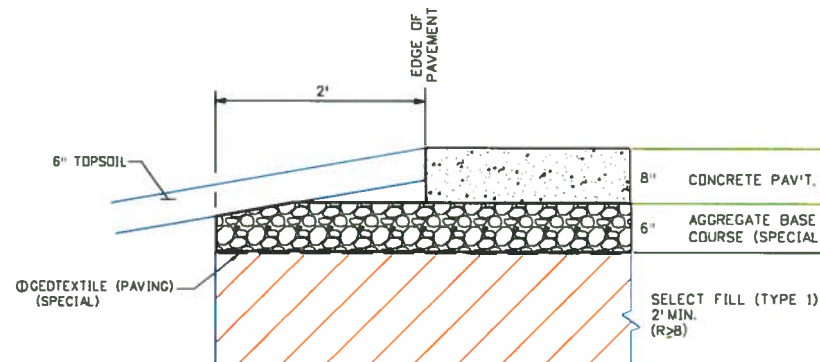
PLOT DATE: 1/2/2014

FILE NAME: I:\PROJECTS\2224\3458-E470-Sandy Acres\Plan\_Sheets\Paving Details Sh.dgn



\* SLOPE SELECTION TABLE

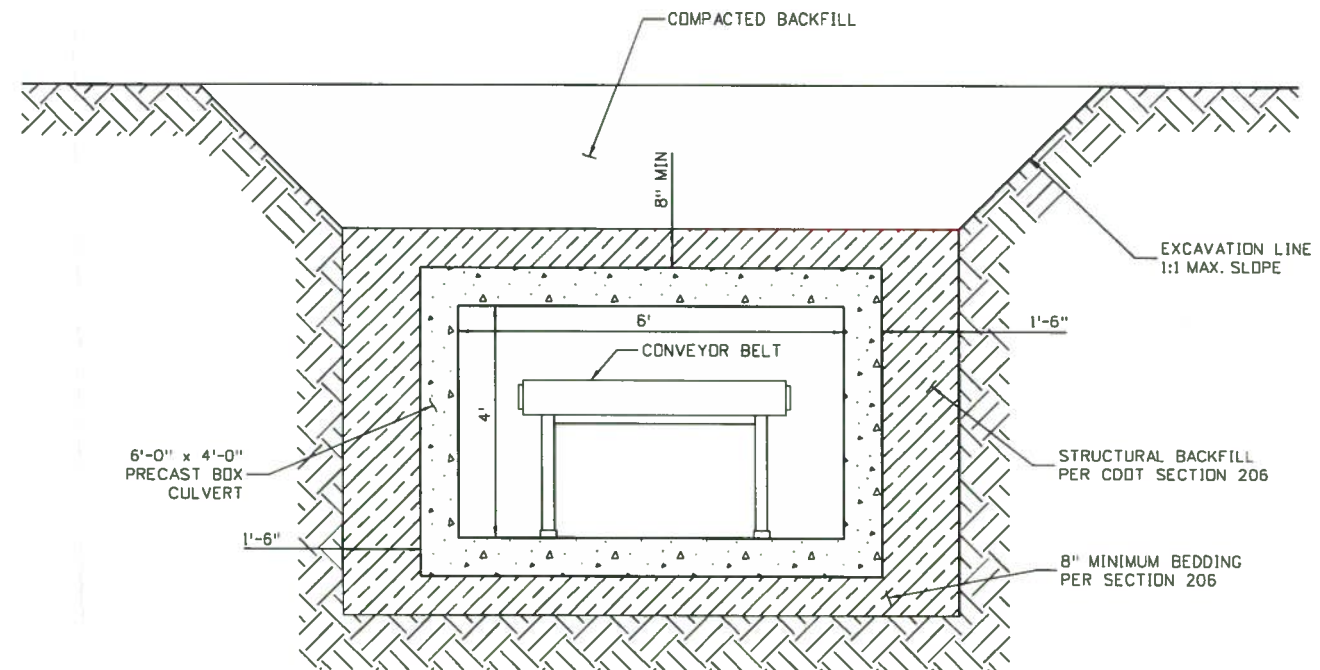
Hc	Hf	SLOPE
0' TO 4'	0' TO 3'	6:1
4' TO 8'	3' TO 6'	5:1
8' TO 12'	6' TO 9'	4:1
>12'	>9'	3:1



DETAIL "A"

NOTES:

- GEOTEXTILE SHALL MEET REQUIREMENTS OF GEOTEXTILE EROSION CONTROL CLASS A.
- CONCRETE PAVEMENT (4 INCH) SHALL MATCH THE COLOR AND PATTERN OF ADJACENT MEDIAN.
- CONTRACTOR SHALL USE TEMPORARY ASPHALT PAVEMENT (PATCHING) TO EXPEDITE CULVERT CONSTRUCTION. TEMPORARY PAVEMENT SHALL BE A MINIMUM 6" THICK.



SECTION A-A (SHEET 4)  
BOX CULVERT SECTION  
NOT TO SCALE

ISSUE RECORD							
NO.	BY	PURPOSE	DATE	NO.	BY	PURPOSE	DATE



SANDY ACRES

NOME STREET PAVING DETAILS

ISSUED DATE:

ORIGINAL E-470  
CONTRACT NO.  
14C402

SHEET NUMBER

3

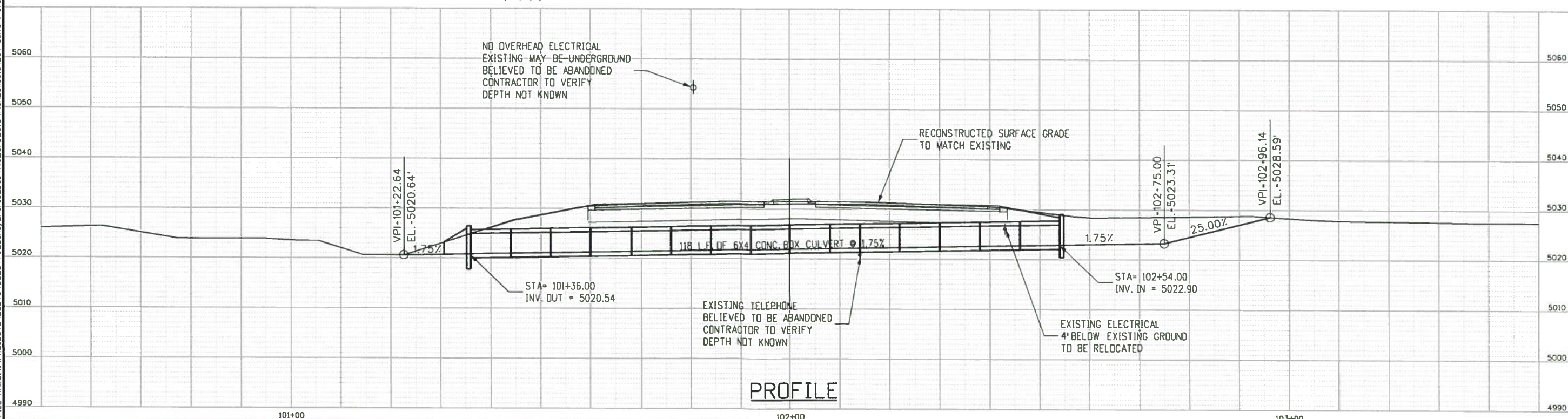
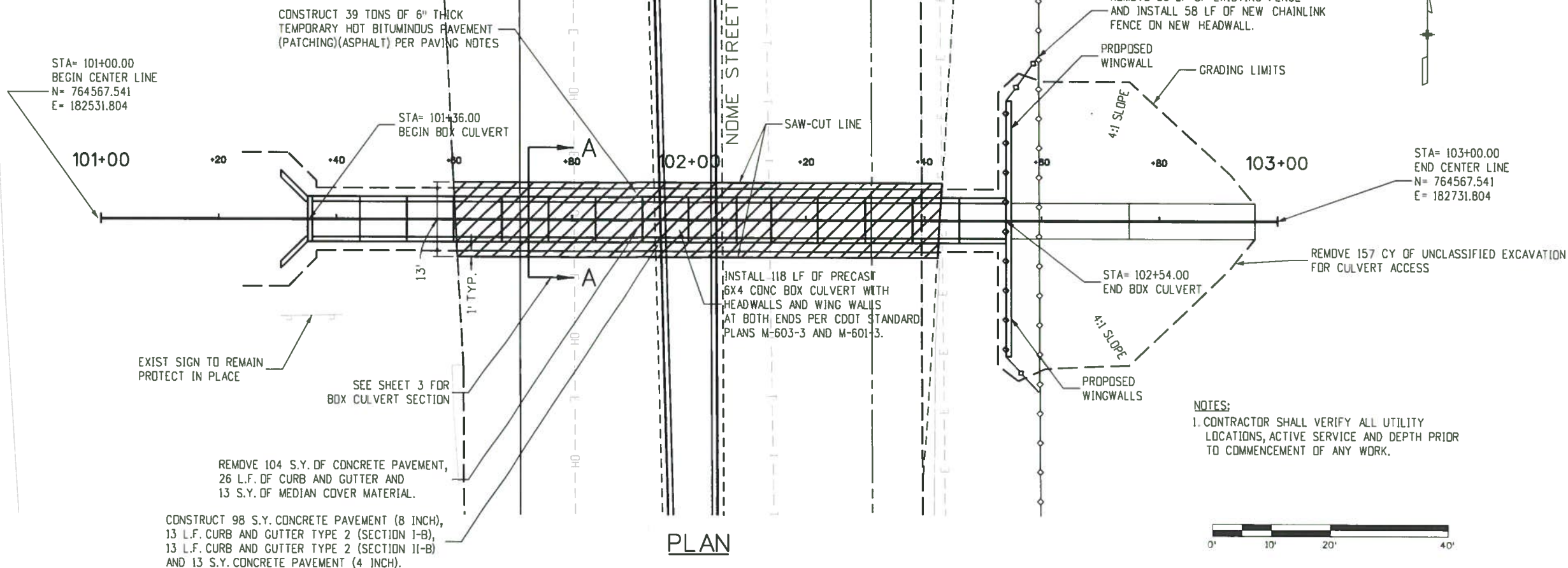




Know what's below.  
Call before you dig.

PLOT DATE: 1/2/2014

FILE NAME: I:\PROJECTS\2224\3458\_E470\_Sandy\_Acres\_Des\7.0\_CAD\_GIS\Plan\_Sheets\Box-Culvert-Crossing\PP.dgn



ISSUE RECORD							
NO.	BY	PURPOSE	DATE	NO.	BY	PURPOSE	DATE



SANDY ACRES

6X4 PRECAST BOX CULVERT INSTALLATION

ISSUED DATE:

ORIGINAL E-470  
CONTRACT NO.

14C402

SHEET NUMBER

4



NOTE: 732,734 CUBIC YARDS OF FILL  
IS REQUIRED TO MATCH PLAN  
DESIGN.

[illegible]

# URS

**SANDY ACRES**

POND GRADING

ISSUED DATE:

ORIGINAL E-470  
CONTRACT NO.  
14C402

SHEET NUMBER

5