

MIKE NAVARRE BOROUGH MAYOR

Summary Evaluation

Project: Anchor Point Fire Service Area Training Site.

Location: Unocal J Pad - Parcel # 16910154

In review of the construction documents attached and a review of the site there are some concerns that need to be addressed prior to use as a training facility for equipment driving and fire suppression training.

The 300' x 400' pad was constructed in 2002 as a possible location of a gas well including containment berms. The pad was constructed at 24" in the cut area and 30" on the fill area.



Currently no water leaves the pad, so prior to use as a training facility a drainage system to manage the fire water and site drainage must be constructed.

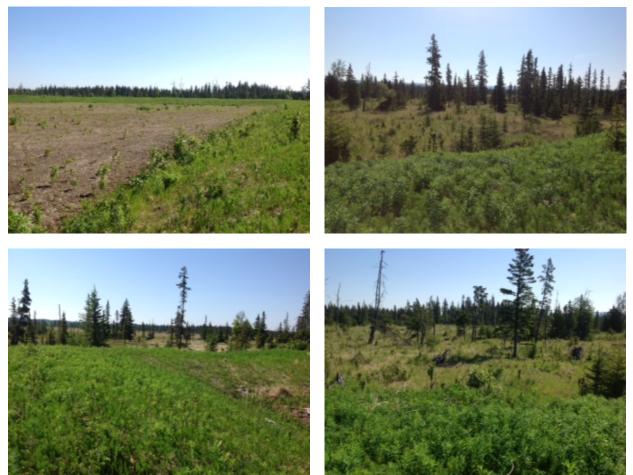


During the site visit on June 15, 2015 the 8'x 60' drainage basin remained full even during hot dry weather.



Tires easily rut surface even on light passenger vehicles

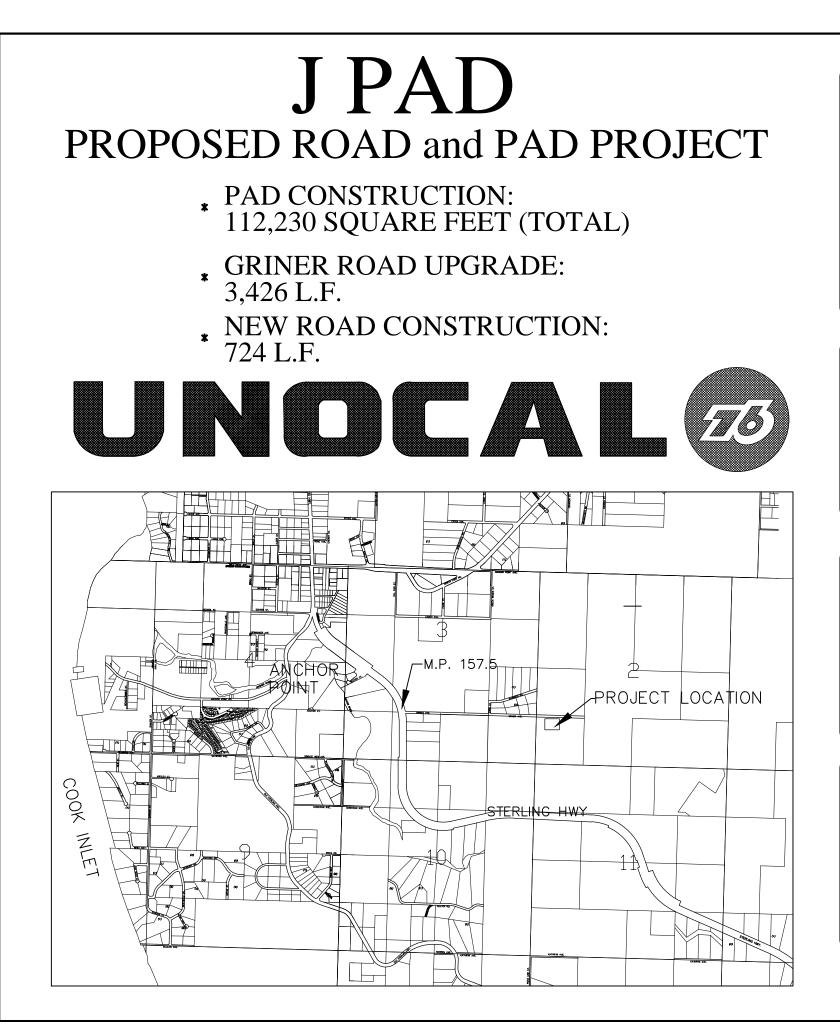
The water appears to be trapped behind the containment berm. Due to the water remaining on the pad during multiple freeze thaw cycles since construction. The pad fill has lost its compaction. To re-compact and add an additional 24" of material, and address the fire water drainage is estimated at around \$200,000 this would stabilize the site to all fire tanker access.



There are potential areas beyond the pad to address water drainage, It should be noted that the fire training structure may be visible to local residential in the area.

See attached construction documents for additional information

Kevin Lyon, Capital Projects Director Direct Line (907) 262-2035



| ESTIMATE | ED QUANT | 11162 | |
|-----------------------------------|-----------|--------------------|-------------|
| ITEM | | ESTIMATED QUANTITY | |
| | PAD | ACCESS ROAD | TOTAL |
| CLEARING | 4.88 AC. | 1.30 AC. | 6.18 AC. |
| UNCLASSIFIED EXCAVATION | 14,200 CY | 1,155 CY | 15,355 CY |
| SELECTED MATERIAL TYPE A | 11,700 CY | 3,590 CY | 15,290 CY |
| SELECTED MATERIAL TYPE B | - | 2,735 CY | 2,735 CY |
| GEOTEXTILE (ADOT REINFORCEMENT) | 14,500 SF | - | 14,500 SF |
| GEOTEXTILE (ADOT REIN., NONWOVEN) | - | 13,833 SF | 13,833 S.F. |
| 18" CSP CULVERT | - | 128 LF | 128 LF |
| 24" CSP CULVERT | - | 70 LF | 70 LF |
| | | | |

| SIEVE | GRADING B | SELECT A | SELECT B |
|---------|-----------|----------|----------|
| 4 IN. | 100% | | |
| 2 IN. | 70 - 100 | 60 - 90 | |
| 3/4 IN. | 50 - 90 | | |
| NO. 4 | 30 - 70 | 20 - 55 | |
| NO. 200 | 6% MAX | 6% MAX | 12% MAX |

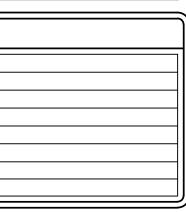
GENERAL NOTES

- . ALL GEOTEXTILE SHALL BE REINFORCEMENT GRADE & SHALL COMPLY WITH ADOT SPECIFICATIONS, TABLE 729–1. MINIMUM OVERLAP AT LONGITUDINAL JOINTS IS 2 FEET. MINIMUM END OVERLAP IS 3 FEET.
- . SELECTED MATERIAL TYPES A & B SHALL MEET THE GRADATION REQUIREMENTS SHOWN IN GRADING TABLE HEREON AND SHALL BE PLACED IN LIFTS NOT EXCEEDING 6 INCHES IN DEPTH. THE CONTRACTOR SHALL DELIVER AGGREGATE SAMPLES TO ENGINEER FOR SIEVE ANALYSIS PRIOR TO COMMENCING WITH ANY FILL OPERATION.
- ESTIMATED QUANTITIES SHOWN HEREON ARE FOR DESIGN PURPOSES ONLY. IT IS NOT INTENDED THAT THE CONTRACTOR RELY SOLELY ON THE SCHEDULE. QUANTITIES ARE PROVIDED FOR CONTRACTOR'S INFORMATION BUT ARE NOT A WARRANTY OF ACTUAL QUANTITIES NECESSARY FOR FINAL COMPLETION OF THE PROJECT. PRIOR TO BIDDING, CONTRACTOR SHALL MAKE HIS OWN TAKE OFF AND CALCULATIONS TO SATISFY HIMSELF WITH THE NECESSARY QUANTITIES TO COMPLETE THE PROJECT.

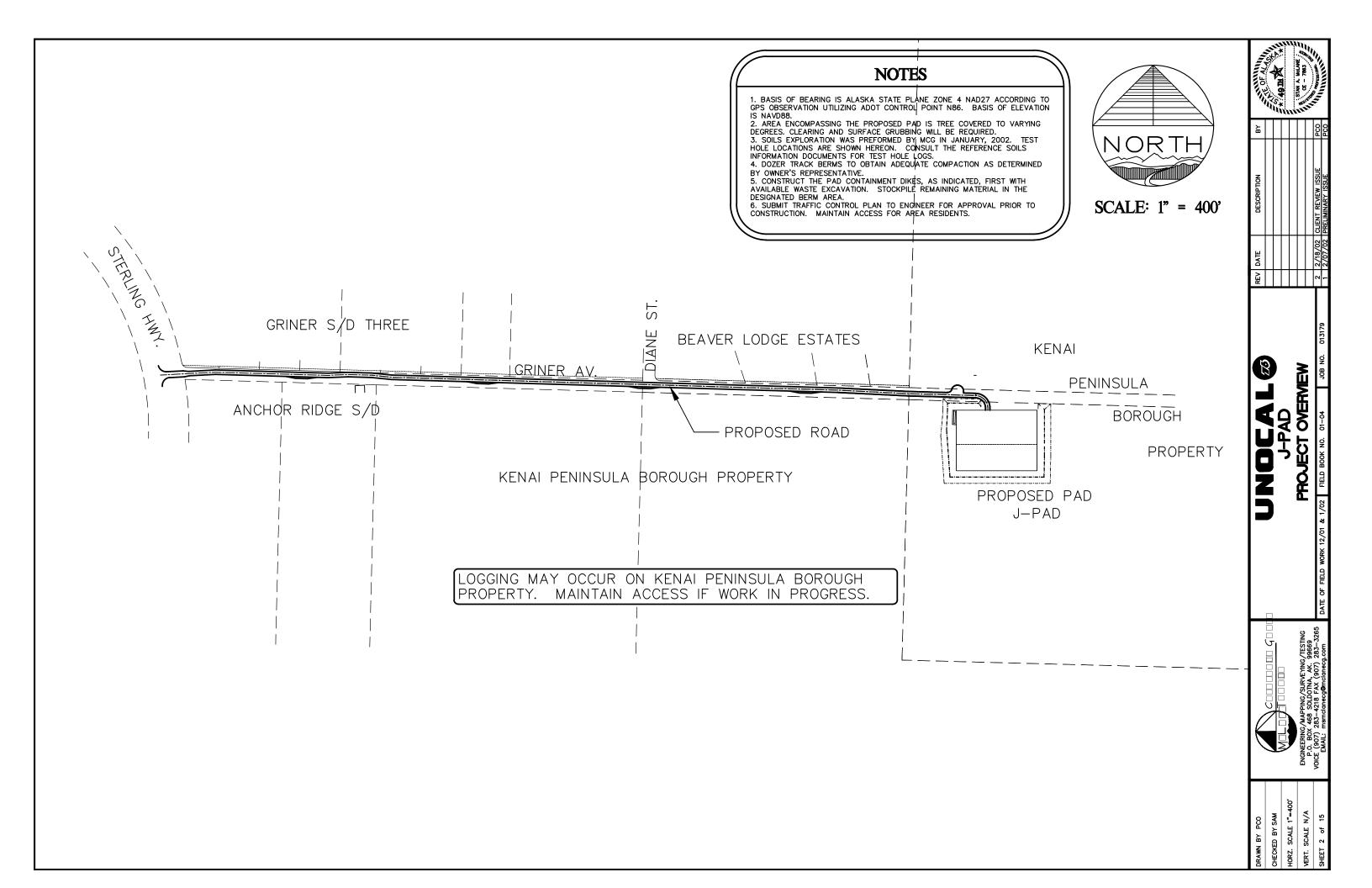
| | SHEET INDEX |
|-------|------------------------------------|
| 1 | TITLE SHEET / ESTIMATED QUANTITIES |
| 2 | PROJECT OVERVIEW |
| 3 | EXISTING SITE CONDITIONS |
| 4 | FINISH GRADE PAD DESIGN |
| 5-6 | TYPICAL SECTIONS |
| 7–11 | PLAN AND PROFILE SHEETS |
| 12-15 | CROSS SECTIONS |
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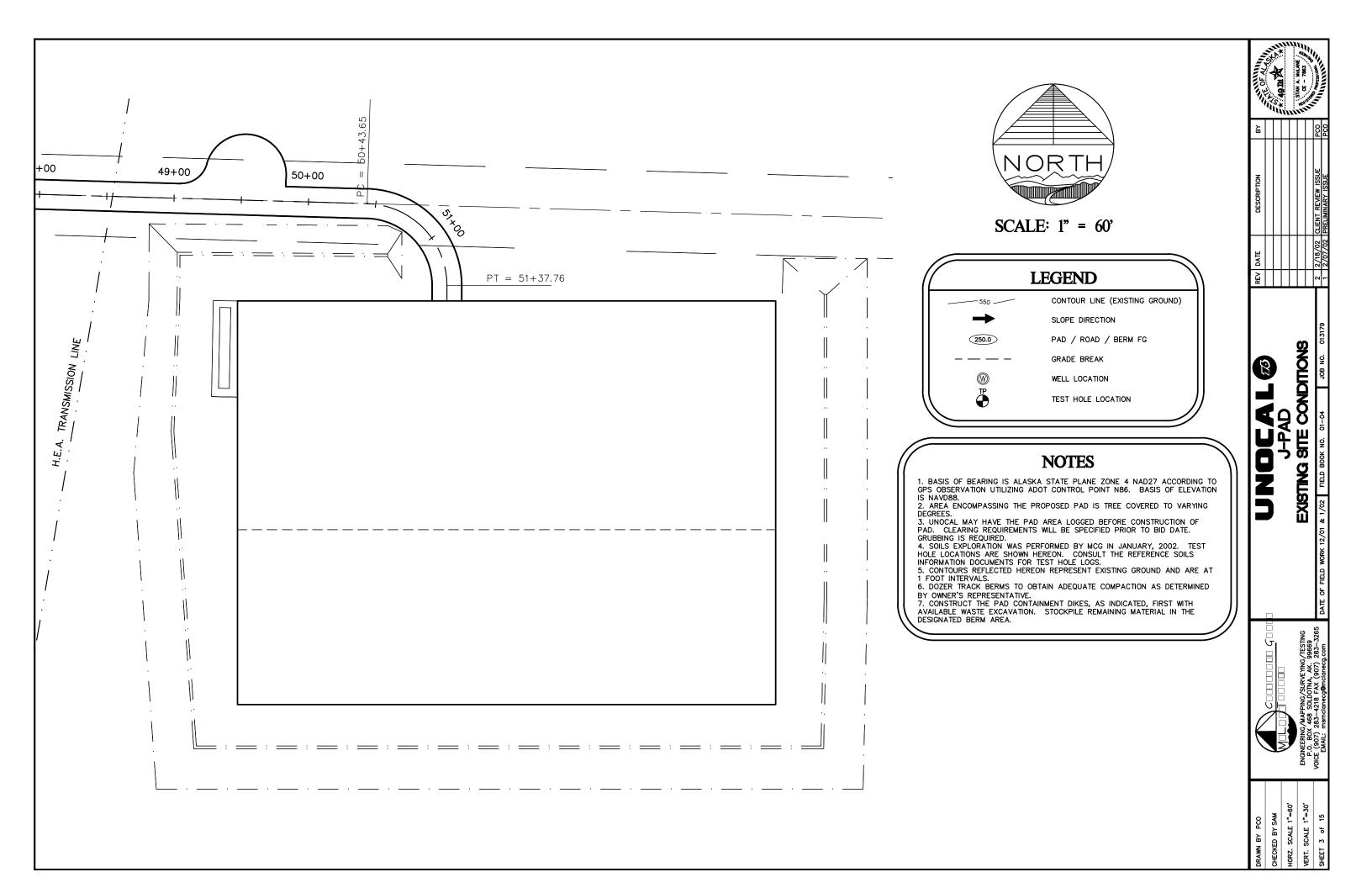
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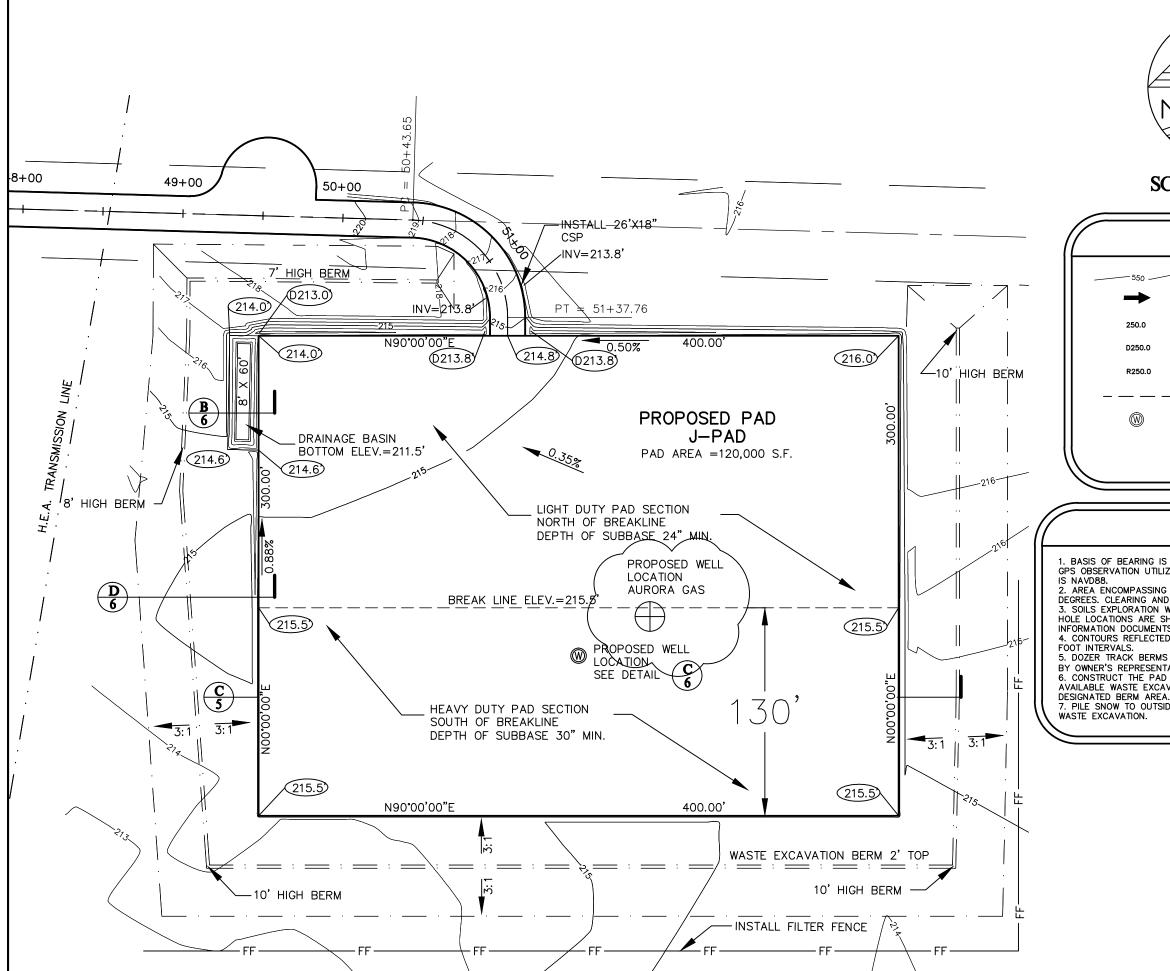
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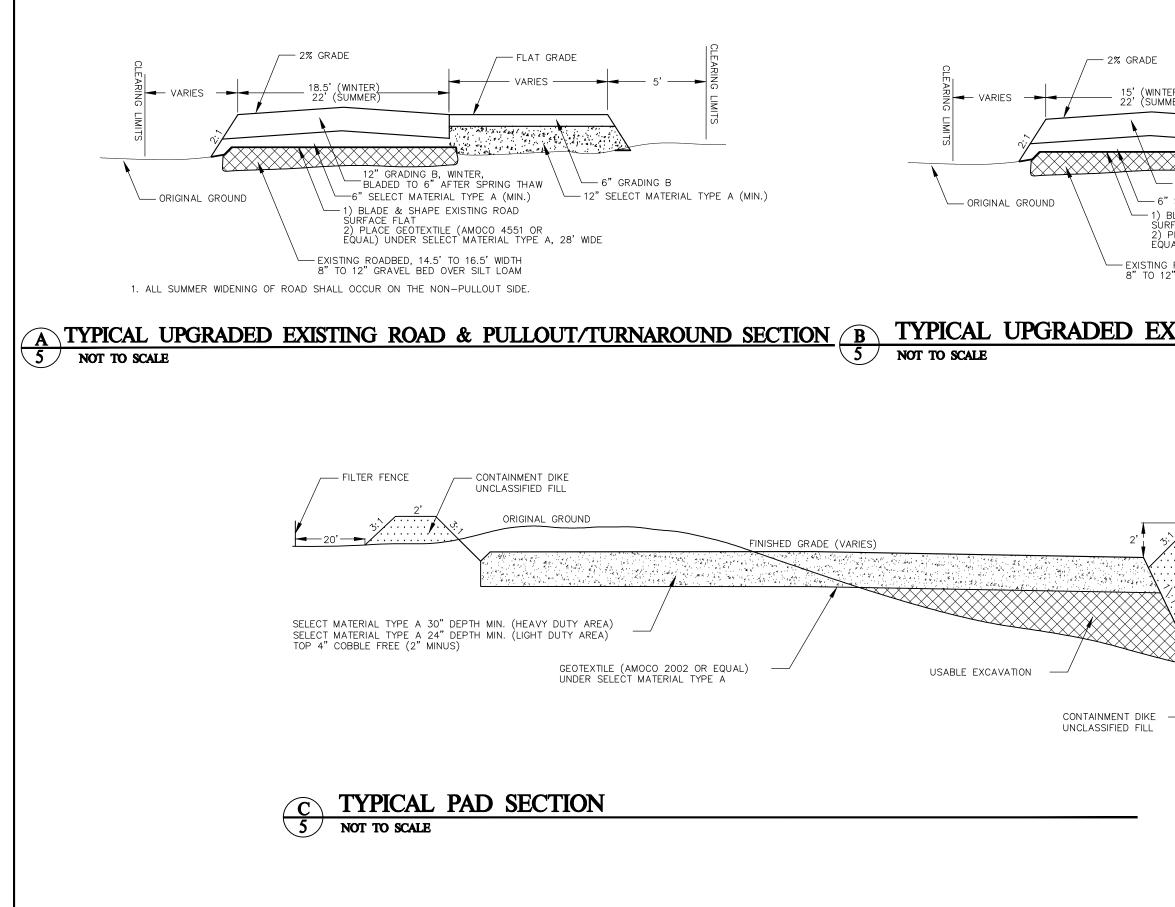
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| VERT. SCALE N/A | ENGINEERING/MAPPING/SURVEYING/TESTING P.O. BOX 468 SOLDOTNA, AK. 99669 | TITLE SHEET / ESTIMATED QUANTITES | | | | | |
| SHEET 1 of 15 | VOICE (907) 283-4218 FAX (907) 283-3265 EMAIL: msmclanecg@mclanecg.com | DATE OF FIELD WORK 12/01 & 1/02 FIELD BOOK NO. 01-04 JOB NO. 013179 | 2 2/ 1 2/ | 2/18/02 CLIENT REVIEW ISSUE 2/07/02 PRELIMINARY ISSUE | LUE PCO | | 111 |



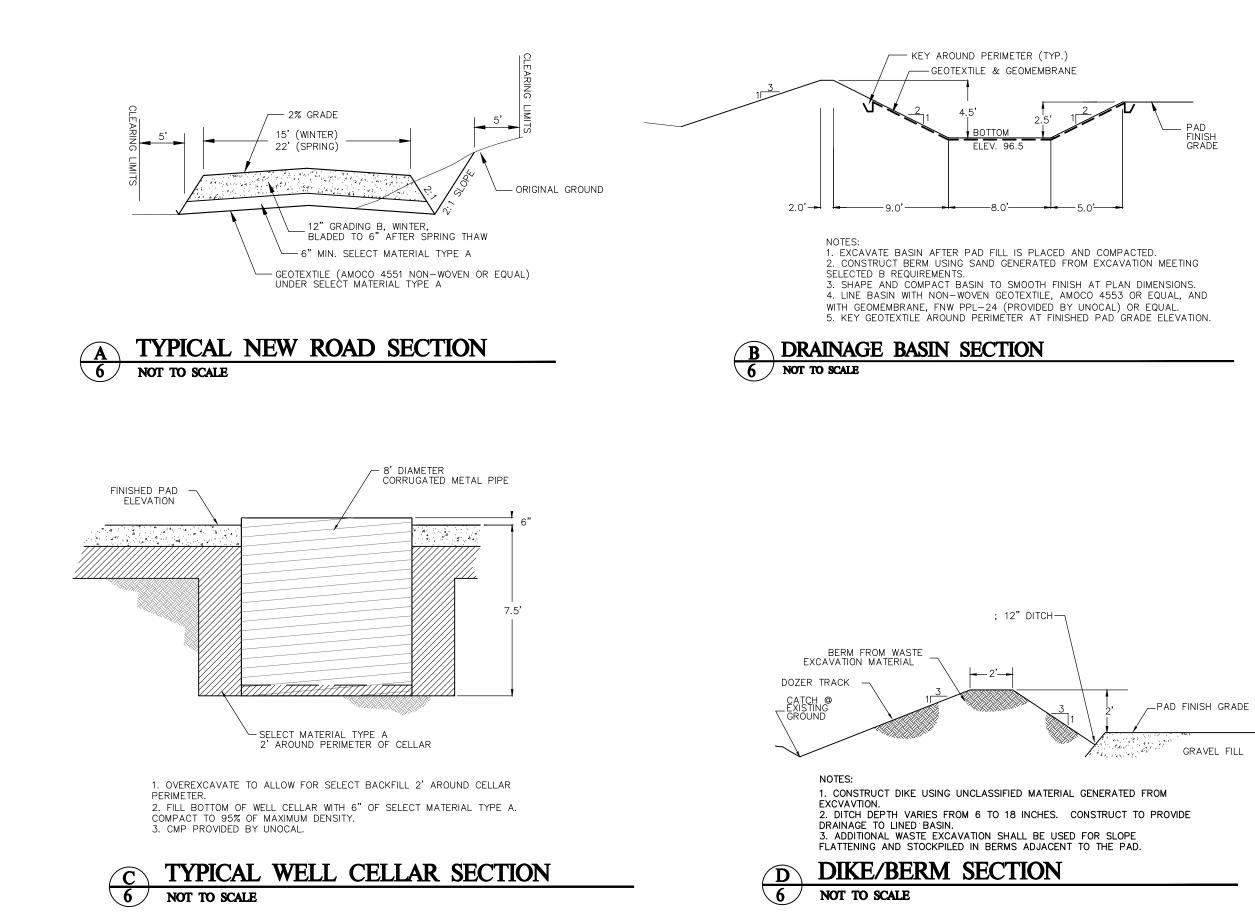




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| CALE: 1" = 60' | DATE DESCRIPTION | | | | /18/02 CLIENT REVIEW ISSU /07/02 PRELIMINARY ISSUE |
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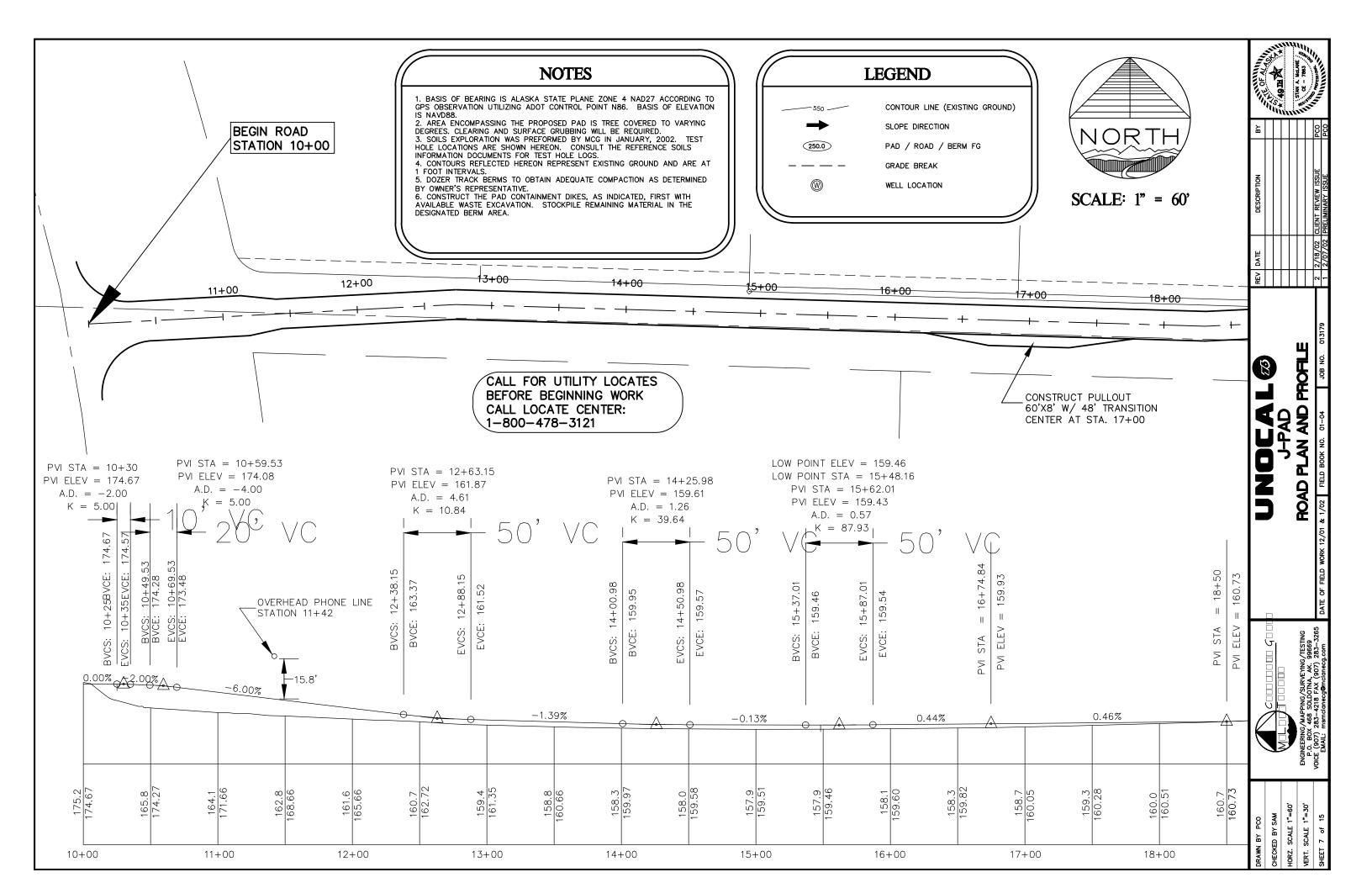


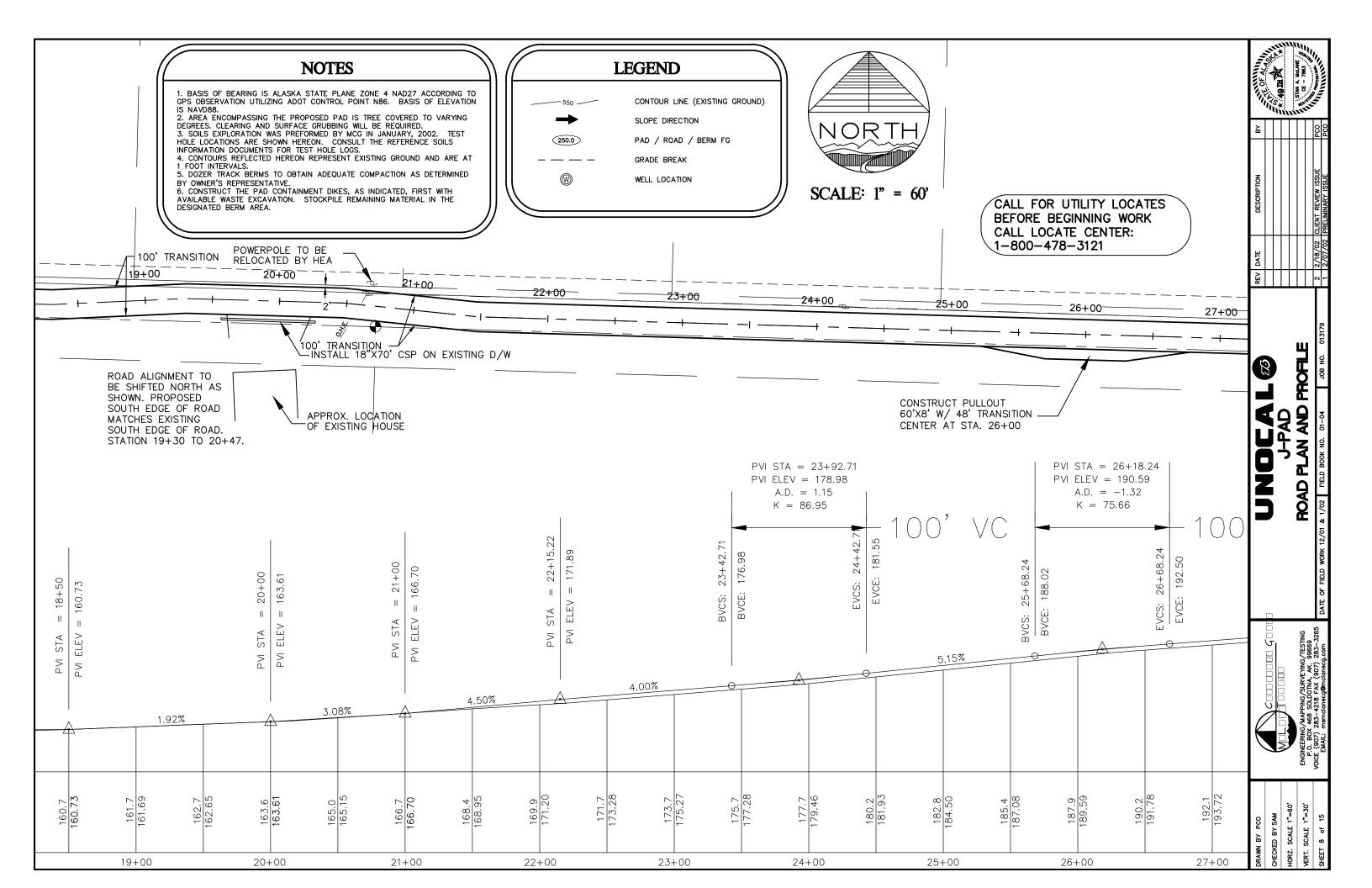
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| TER) MER) - 12" GRADING B, WINTER, BLADED TO 6" AFTER SPRING THAW "SELECT MATERIAL TYPE A (MIN.) BLADE & SHAPE EXISTING ROAD RFACE FLAT PLACE GEOTEXTILE (AMOCO 4551 OR UAL) UNDER SELECT MATERIAL TYPE A, 28' WIDE | REV DATE DESCRIPTION BY 1 2/07/02 PRELIMINARY ISSUE PCO |
| 2' GRAVEL BED OVER SILT LOAM | DUNDCAL® UNDCAL® UPAD TPPCAL SECTIONS DATE OF FIELD WORK 12/01 & 1/02 FIELD BOOK NO. 01-04 JOB NO. 013179 |
| | ENGINEERING/MAPING/SURVEYING/TESTING P.O. BOX 488 SOLDINA, AK. 98669 VOIC 907) 283-4318 FAX (907) 283-3265 EMAIL: memclanecg@mclanecg.com |
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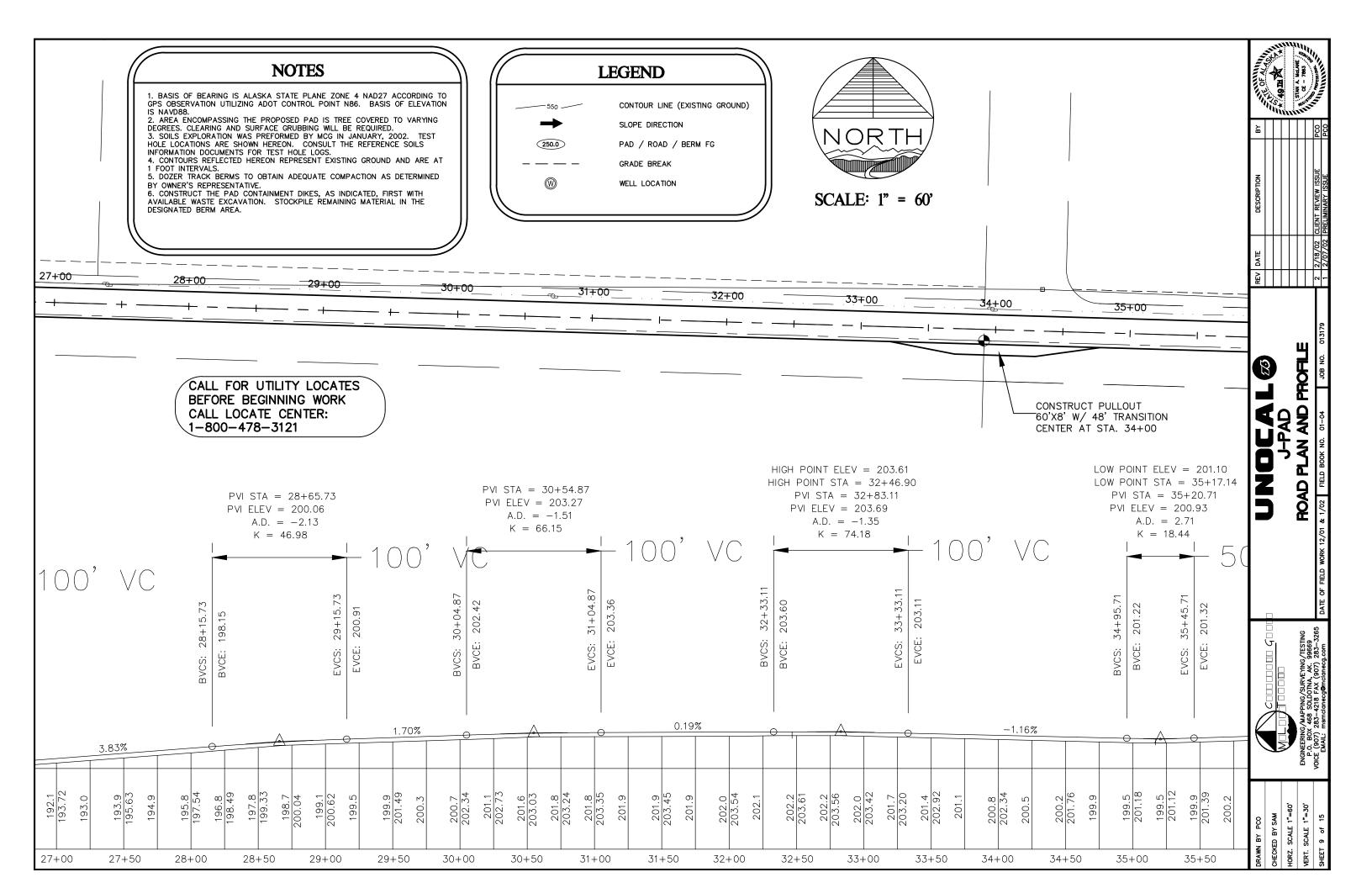


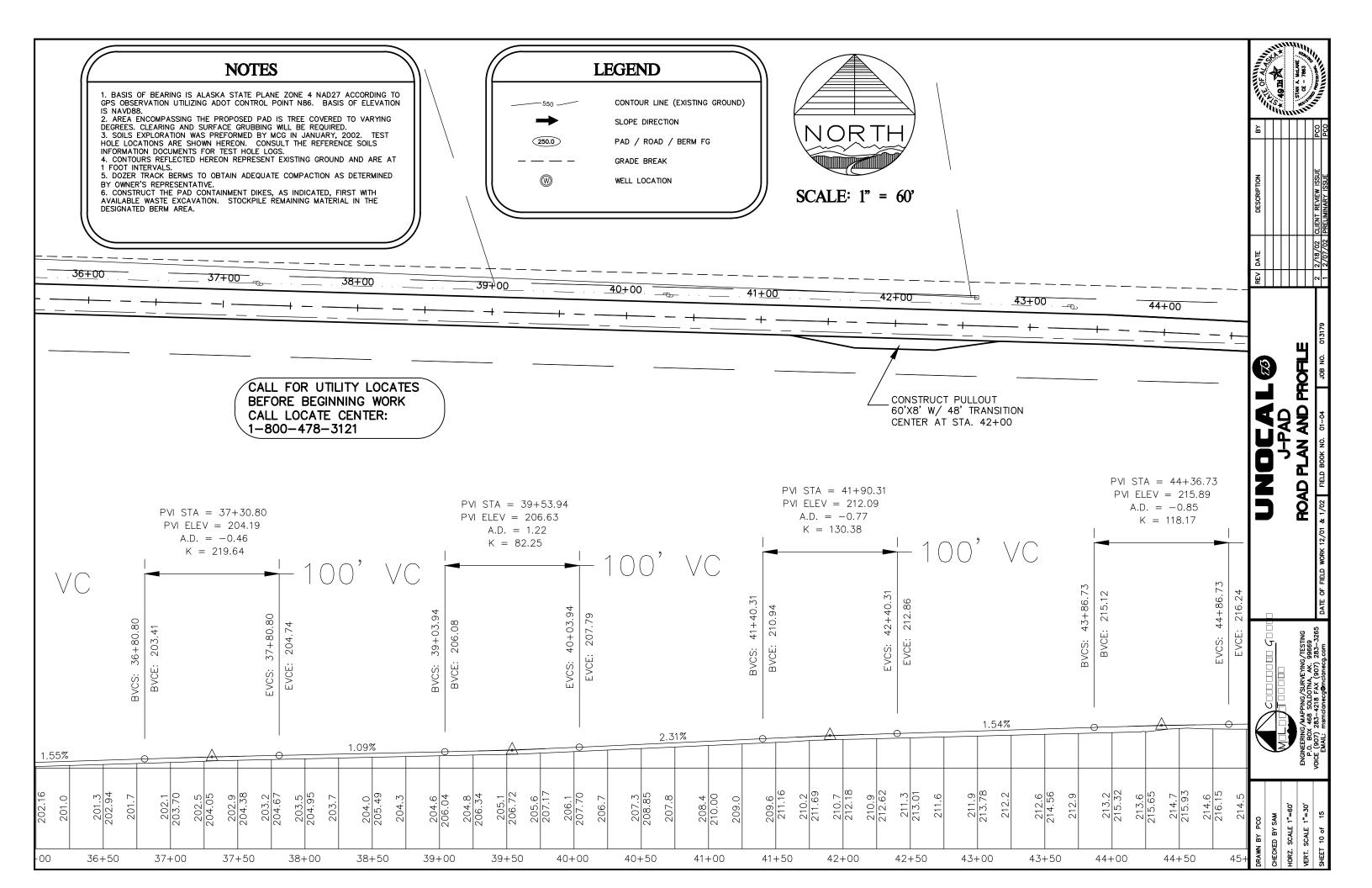
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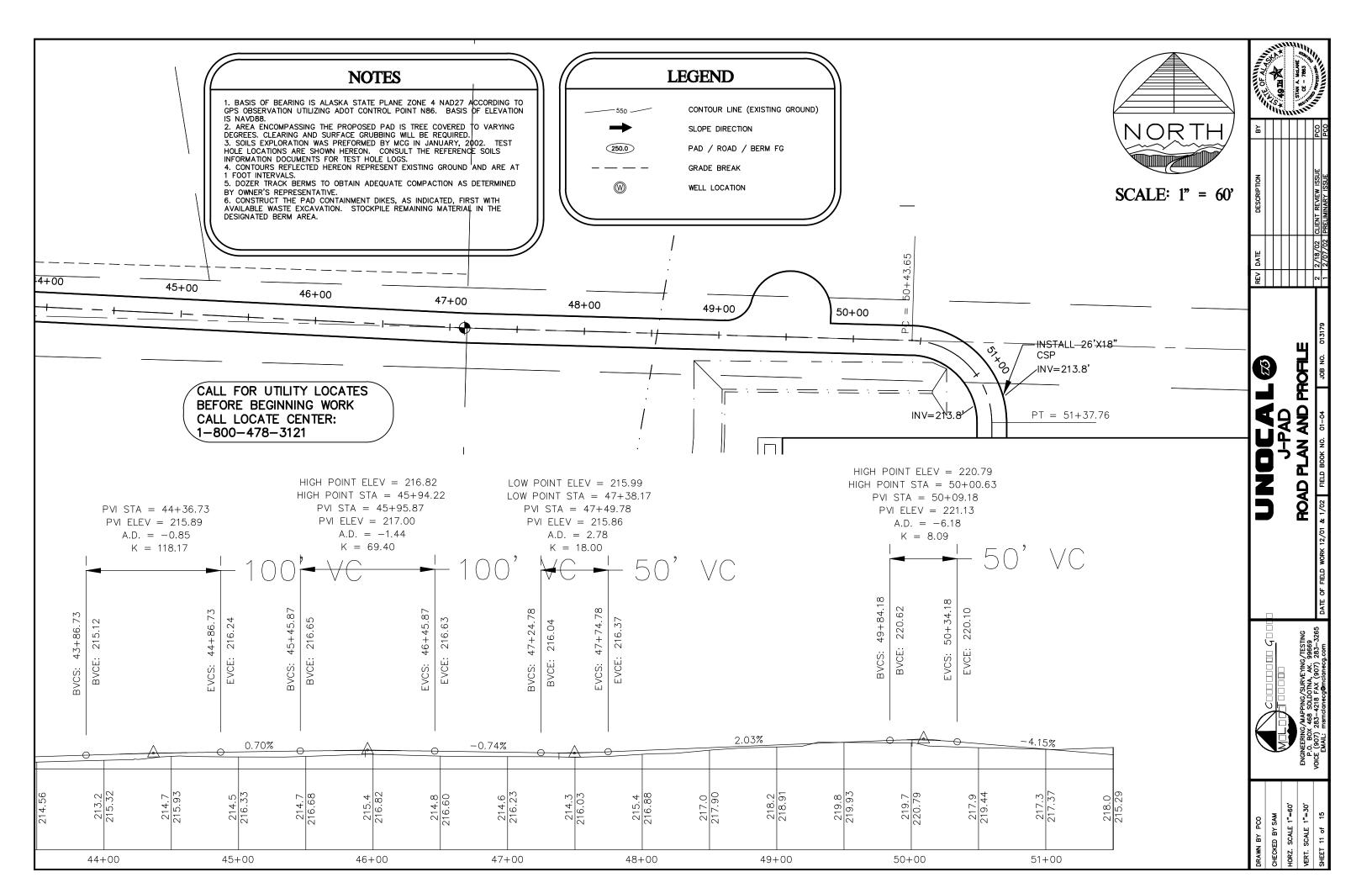
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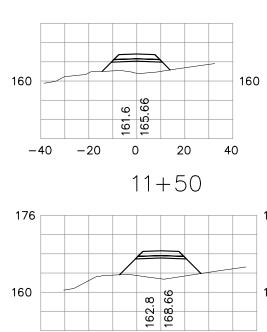


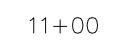






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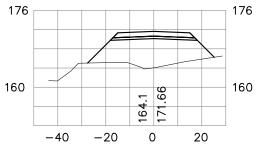




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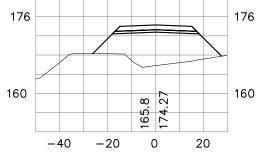
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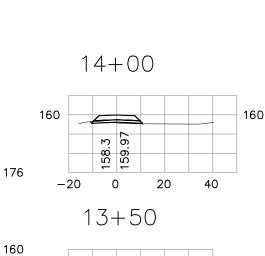


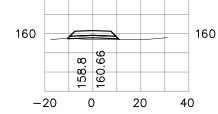
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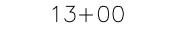
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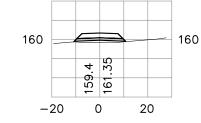


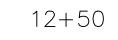


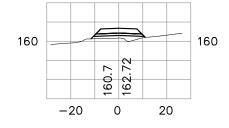


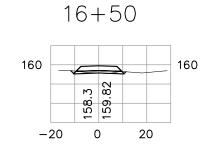












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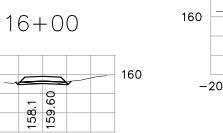
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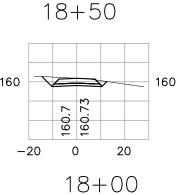
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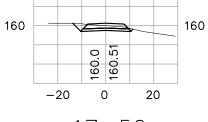
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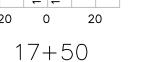
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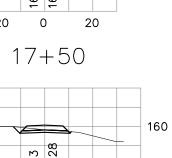
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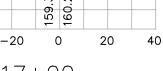
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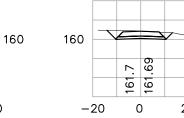
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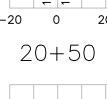
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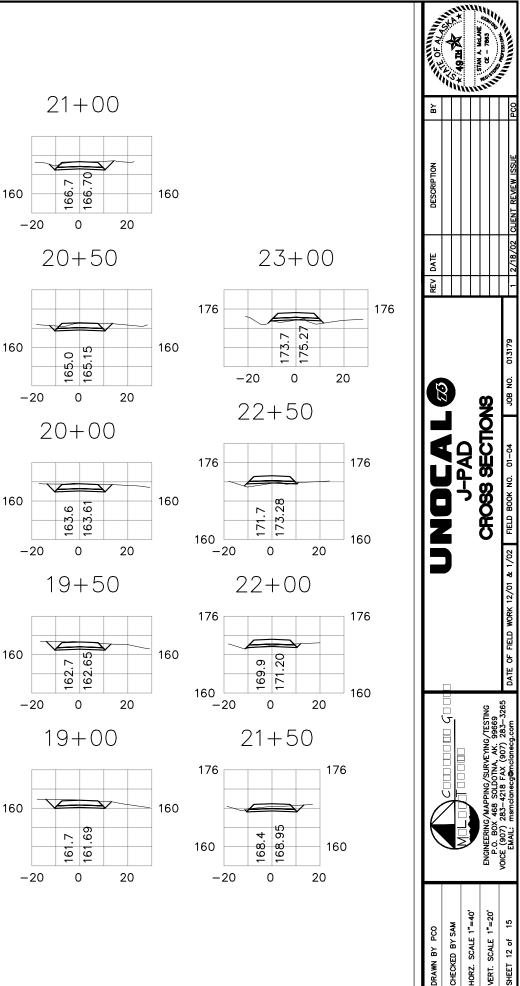
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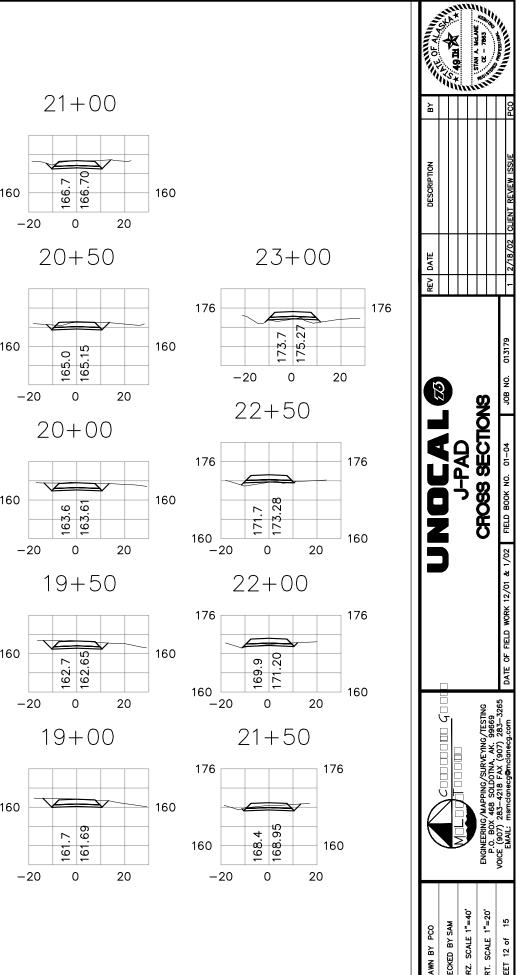


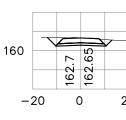




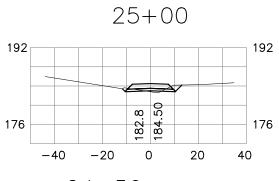




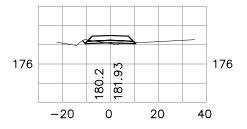




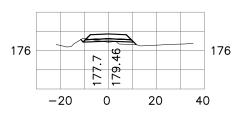




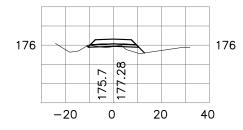


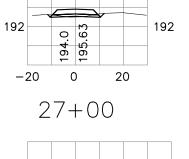


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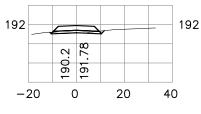
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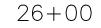


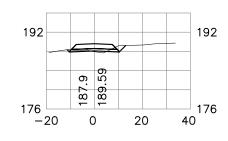




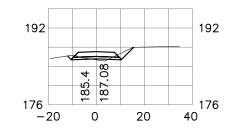


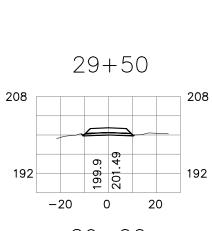








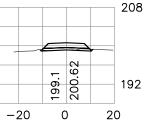




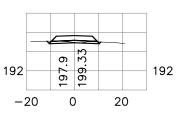


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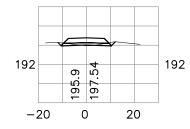
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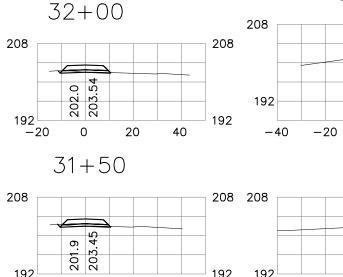


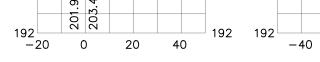
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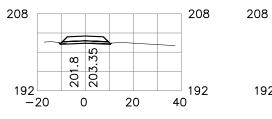




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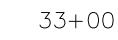
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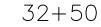
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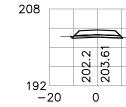


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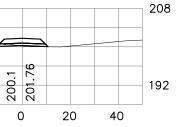


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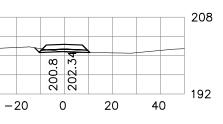




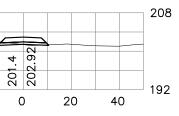




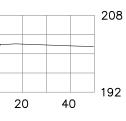
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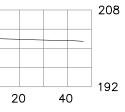
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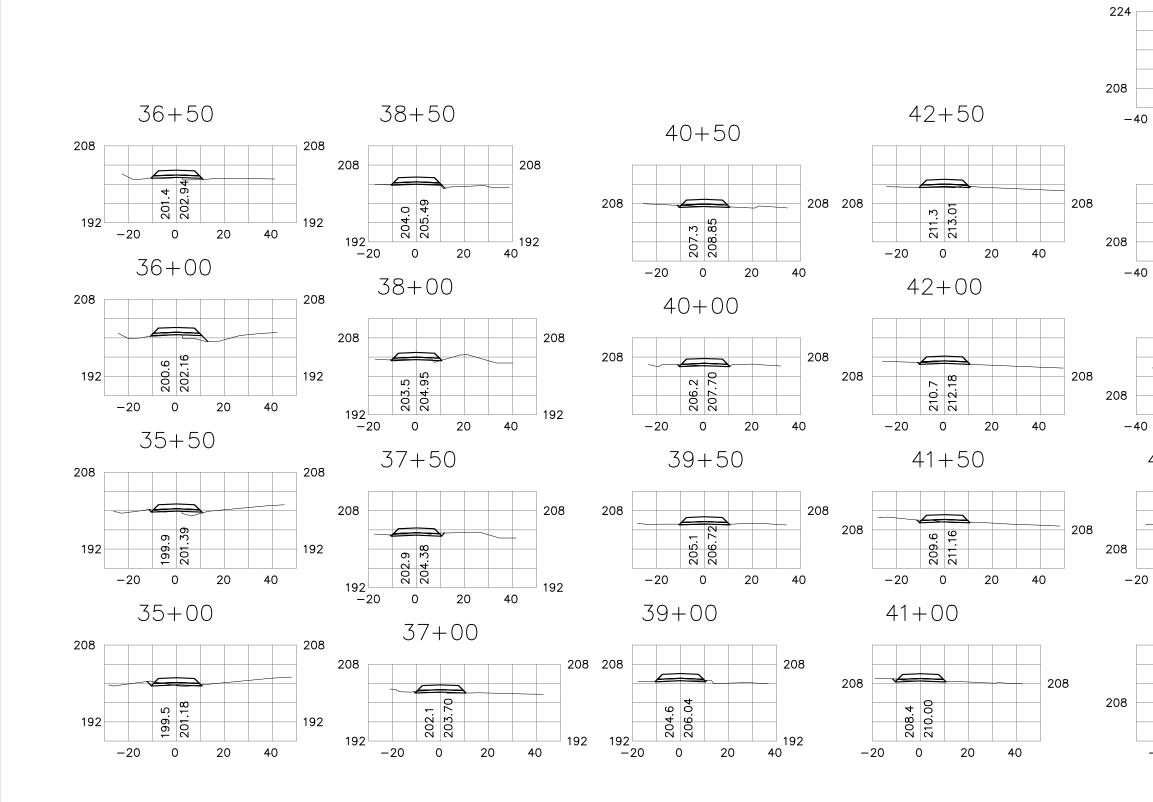


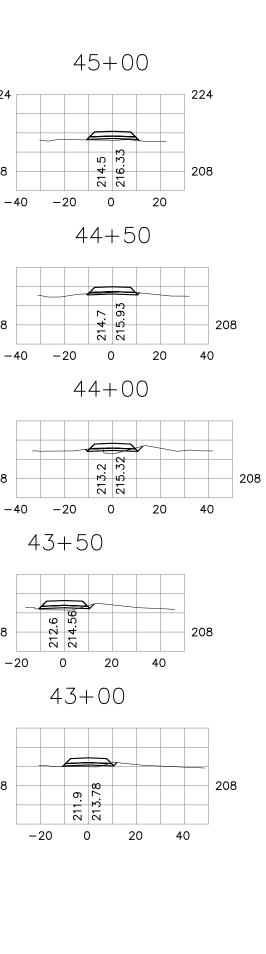






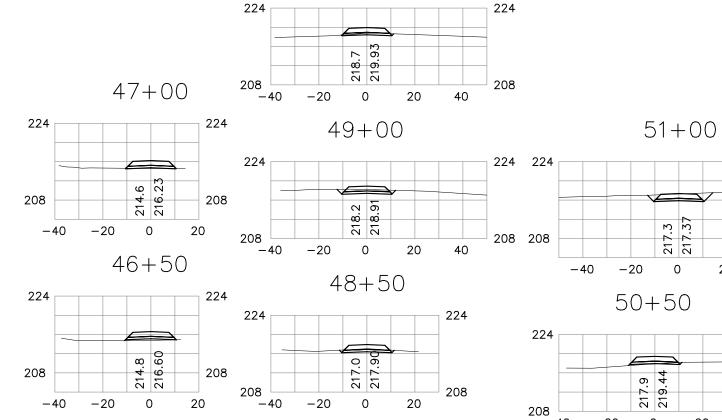
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| DRAWN BY PCO | CHECKED BY SAM | HORZ. SCALE 1"=40' | VERT. SCALE 1"=20' | SHEET 13 of 15 |



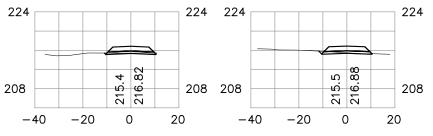


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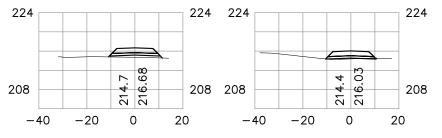
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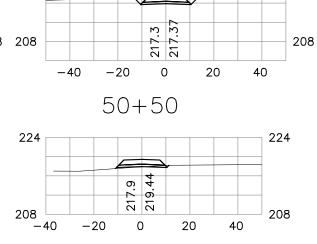


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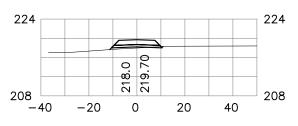
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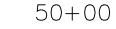


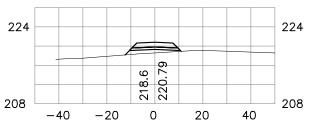


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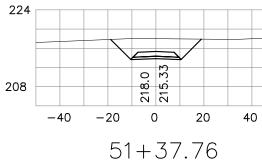
50+43.65

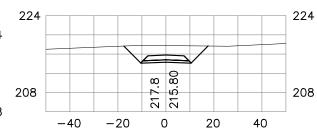






51+49.15





| DRAWN BY PCO | | | RE | REV DATE | DESCRIPTION | BY | STATISTICS OF ALLING |
|--------------------|---|---|--------|----------|-----------------------------|-----|----------------------|
| CHECKED BY SAM | | | | | | | A HONE |
| HORZ. SCALE 1"=40' | | U-LAD | | | | | |
| VERT. SCALE 1"=20' | ENGINEERING/MAPPING/SURVEYING/TESTING P.O. BOX 468 SOLDOTNA, AK. 99669 | CROSS SECTIONS | | | | | C - 705 |
| SHEET 15 of 15 | VOICE (907) 283-4218 FAX (907) 283-3265 EMAIL: msmclanecg@mclanecg.com | DATE OF FIELD WORK 12/01 & 1/02 FIELD BOOK NO. 01-04 JOB NO. 013179 | 013179 | 2/18/02 | 2/18/02 CLIENT REVIEW ISSUE | PCO | 111111111 |

