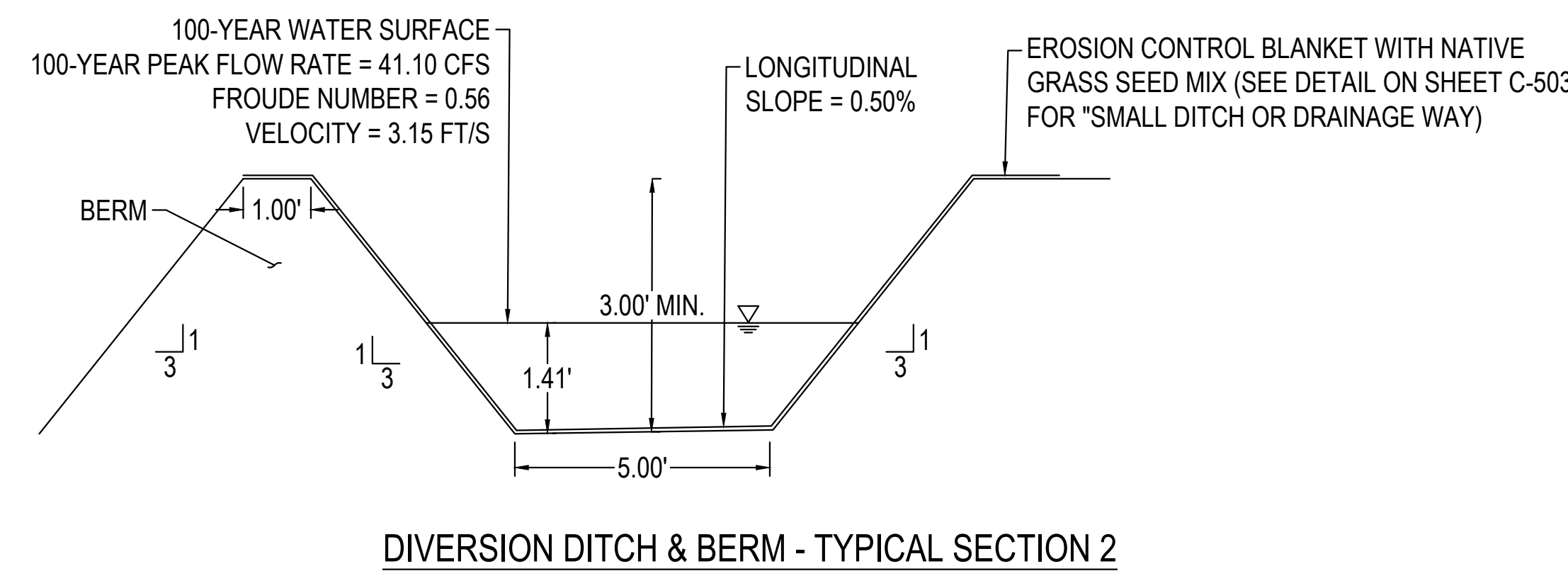
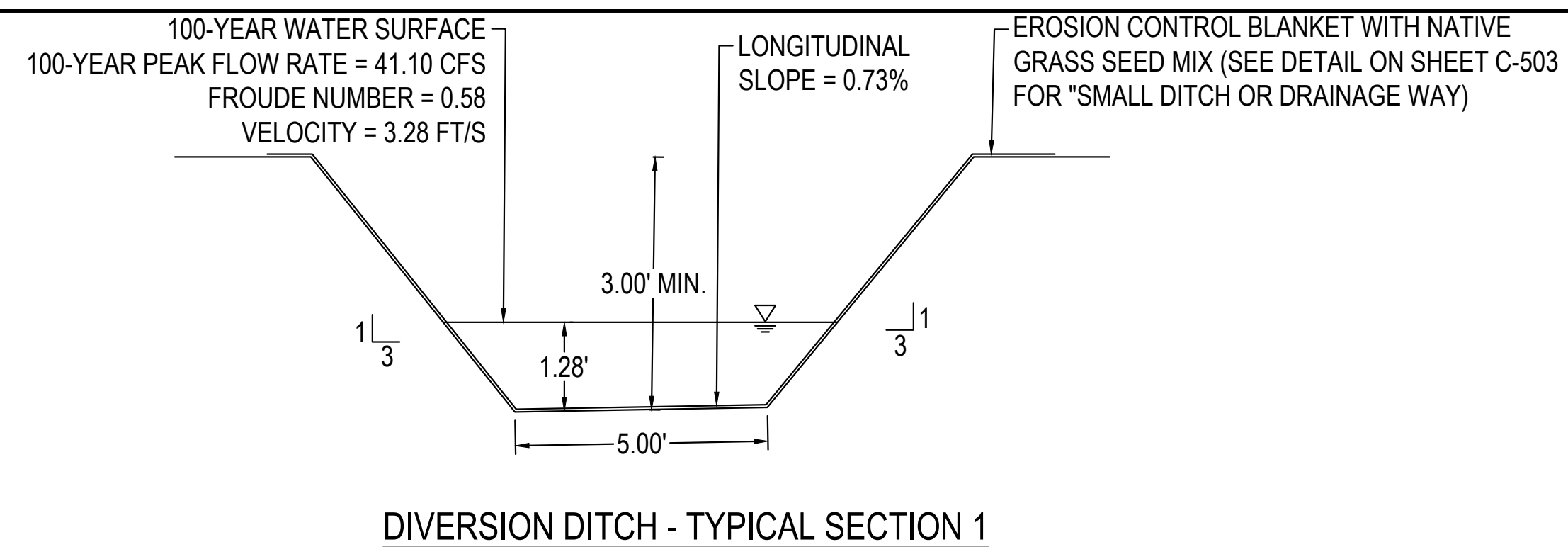
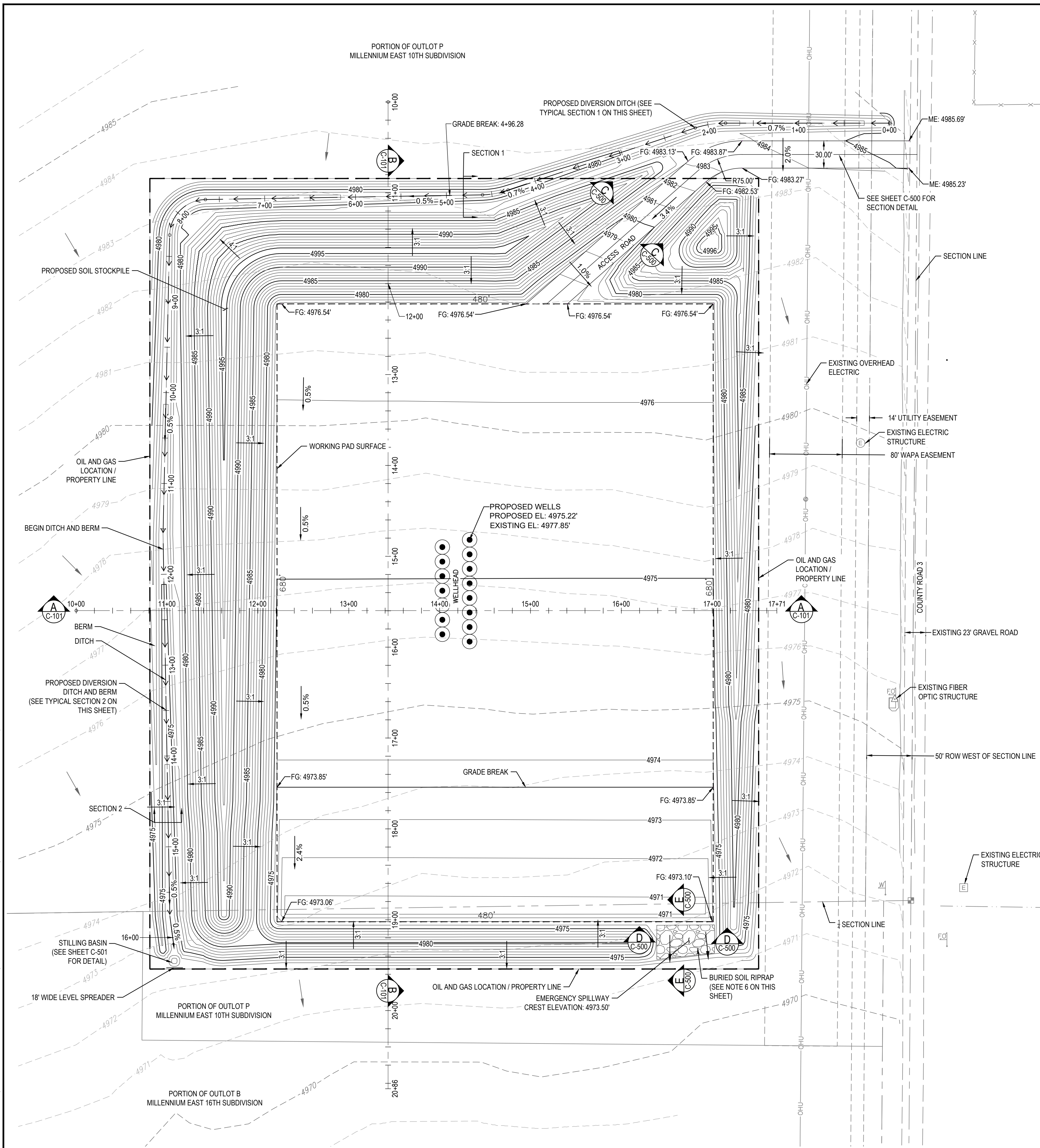


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NOTES:

- ALL ELEVATIONS AND CONTOURS SHOWN ARE TO TOP OF FINISHED GRADE.
- WORKING PAD SURFACE AND ACCESS ROAD SHALL BE STABILIZED WITH 4-INCH DEPTH CDOT CLASS 6 AGGREGATE BASE COURSE (ABC).
- ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE CDOT CLASS 6 ABC SHALL RECEIVE EROSION CONTROL SEEDING.
- GROUND ELEVATIONS BASED ON NGVD 1929 DATUM.
- CONTRACTOR TO REMOVE 4" OF TOPSOIL. SHOULD THE ACTUAL FIELD DEPTH OF THE TOPSOIL DIFFER, CONTACT ENGINEER.
- REFERENCE MILE HIGH FLOOD DISTRICT "DIVISION 31 EARTHWORK - RIPRAP, BOULDERS, AND BEDDING" CONSTRUCTION SPECIFICATIONS (SECTION 31 37 00) FOR SOIL RIPRAP EXECUTION AND PLACEMENT. RIPRAP LAYER TO HAVE 18" THICKNESS. TOP OF RIPRAP TO HAVE 4" OF TOPSOIL COVER.

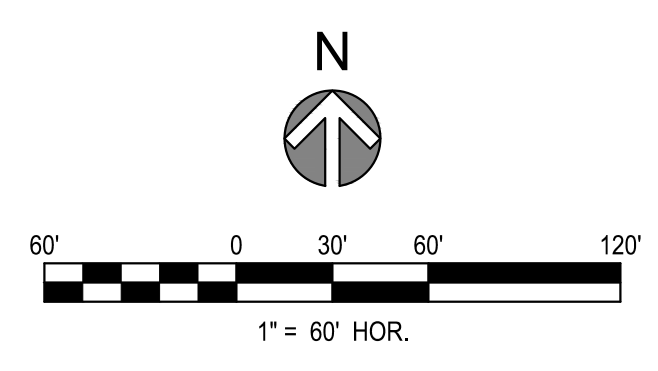
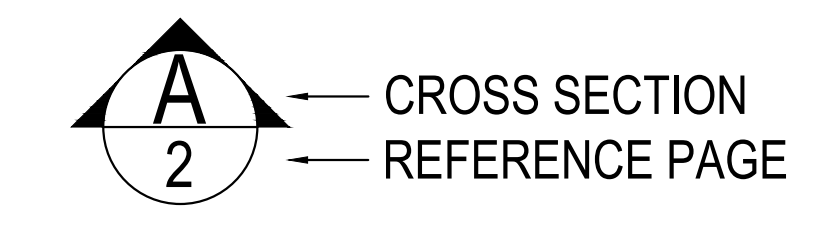
EARTHWORK VOLUMES

ALL REPORTED VOLUMES ARE BANK VOLUMES
 TOTAL CUT: 34,693 CY
 TOTAL FILL: 42,350 CY
 CDOT CLASS 6 FILL IMPORT: 4,201 CY
 TOTAL ESTIMATED TOPSOIL: 7,361 CY
 RIPRAP (MHFD TYPE L: D₅₀ = 9") : 363CY

DISTURBED AREA

OIL AND GAS LOCATION: ±13.4 AC
 WORKING PAD SURFACE: ±7.49 AC
 ACCESS ROAD: ±0.32 AC

LEGEND:



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TITLE

MRG, LP OIL AND GAS CE PAD
 CITY OF LOVELAND, COLORADO
 CIVIL CONSTRUCTION PLANS
 DRILLING PHASE GRADING PLAN

JOB NUMBER: 65120236-10

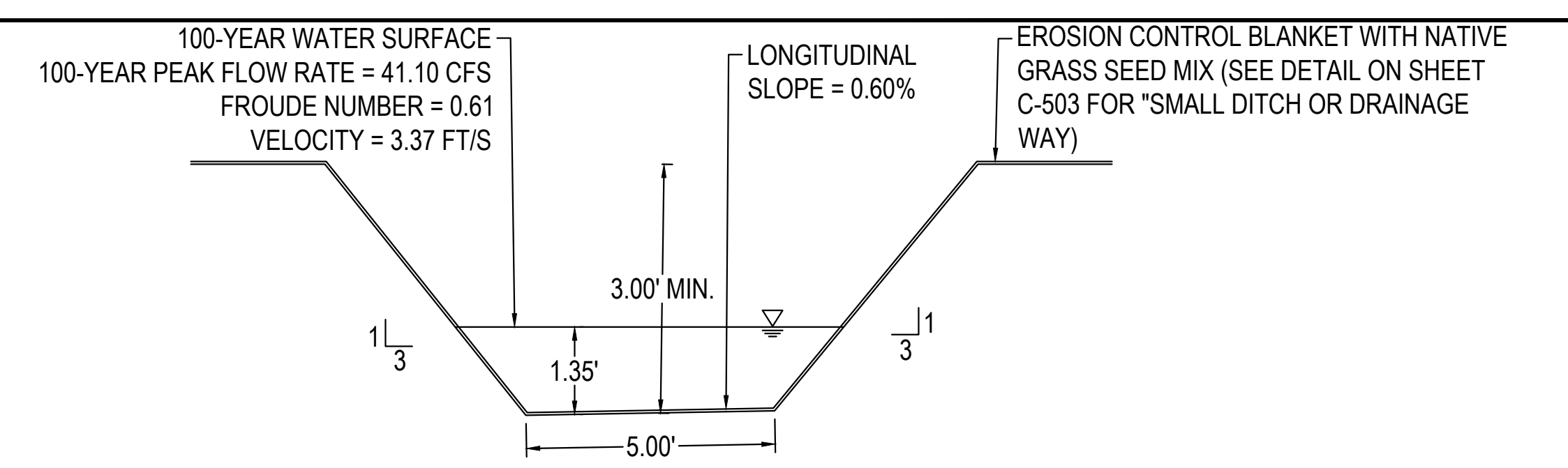
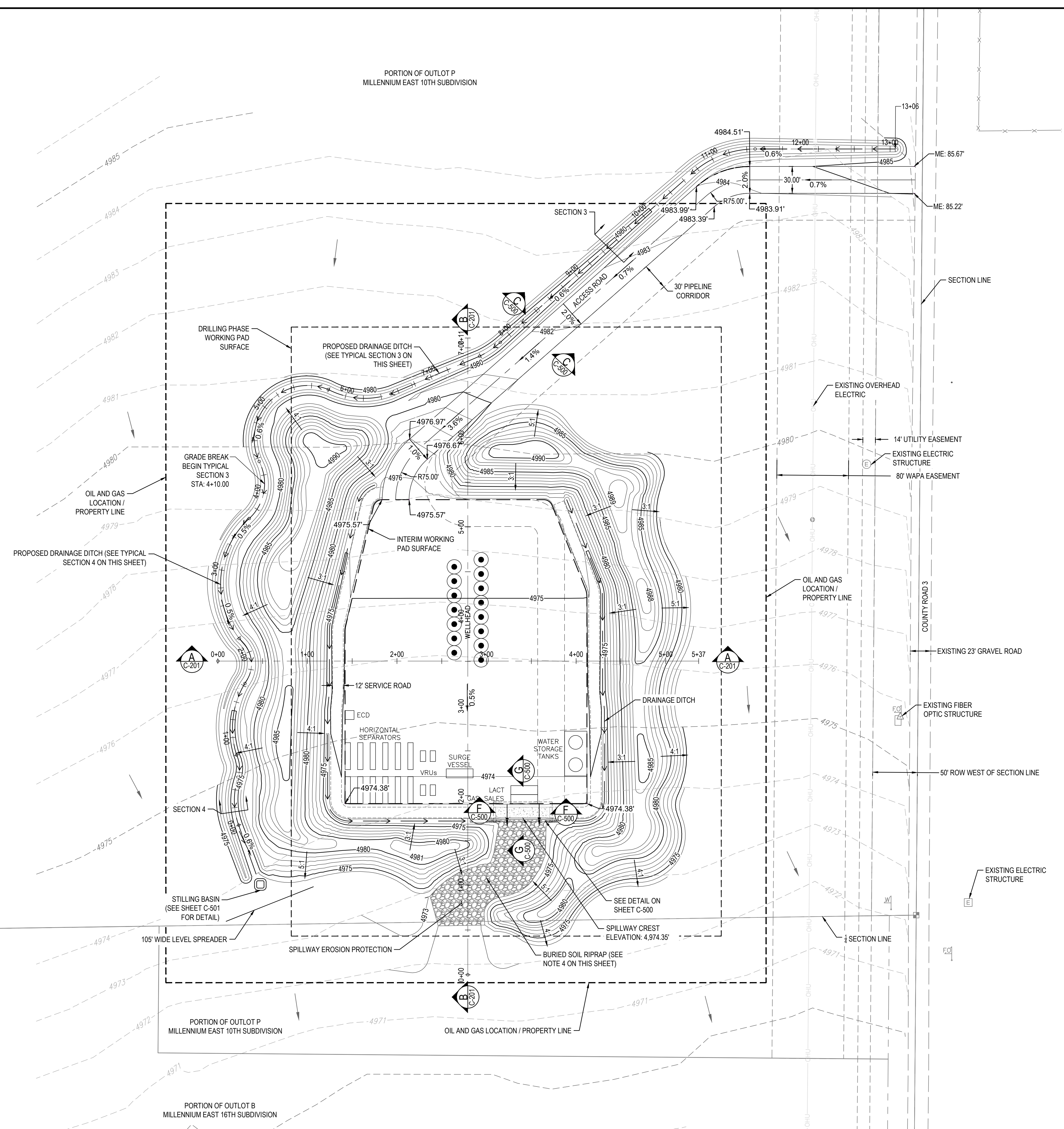
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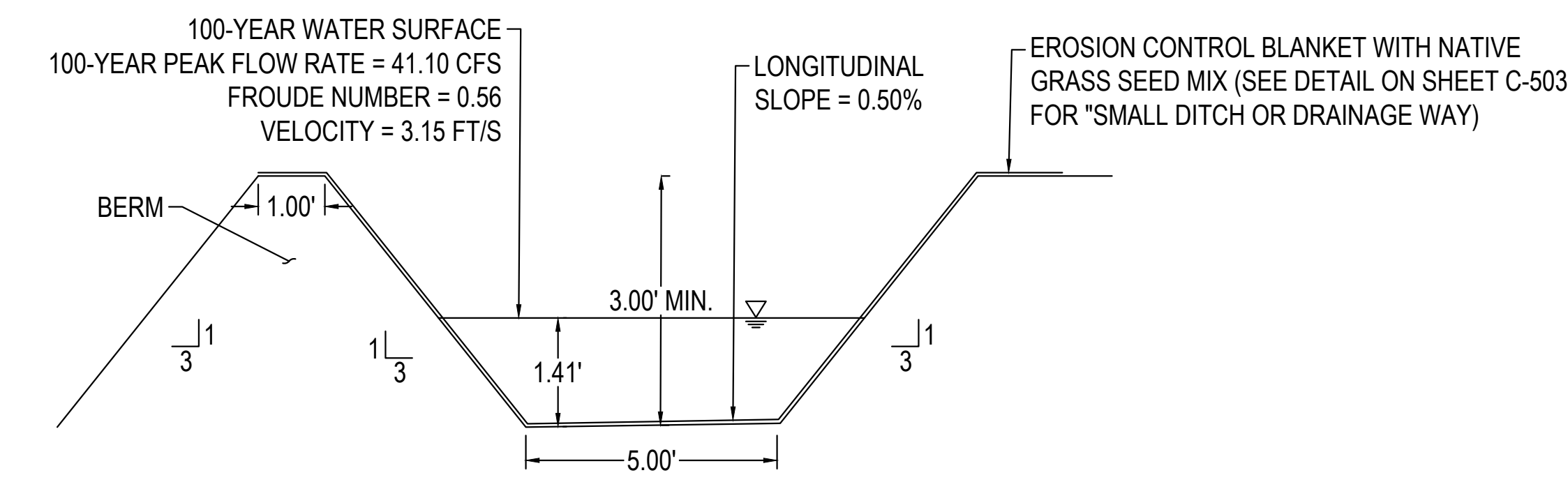
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DIVERSION DITCH - TYPICAL SECTION 3

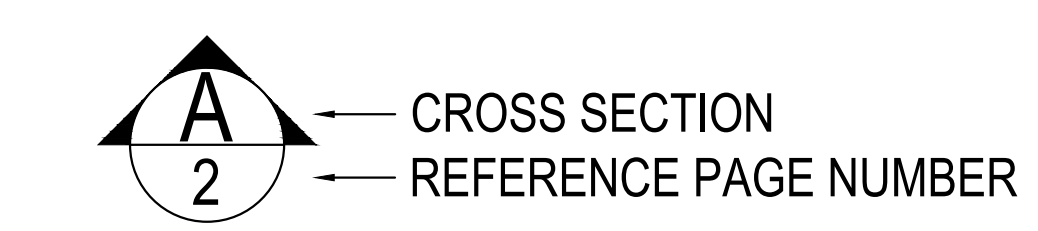


DIVERSION DITCH & BERM - TYPICAL SECTION 4

NOTES:

1. ALL ELEVATIONS AND CONTOURS SHOWN ARE TO TOP OF FINISHED GRADE.
2. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE CDOT CLASS 6 ABC SHALL RECEIVE EROSION CONTROL SEEDING.
3. GROUND ELEVATIONS BASED ON NGVD 1929 DATUM.
4. REFERENCE MILE HIGH FLOOD DISTRICT "DIVISION 31 EARTHWORK - RIPRAP, BOULDERS, AND BEDDING" CONSTRUCTION SPECIFICATIONS (SECTION 31 37 00) FOR SOIL RIPRAP EXECUTION AND PLACEMENT. RIPRAP LAYER TO HAVE 18" THICKNESS. TOP OF RIPRAP TO HAVE 4" OF TOPSOIL COVER.

LEGEND:

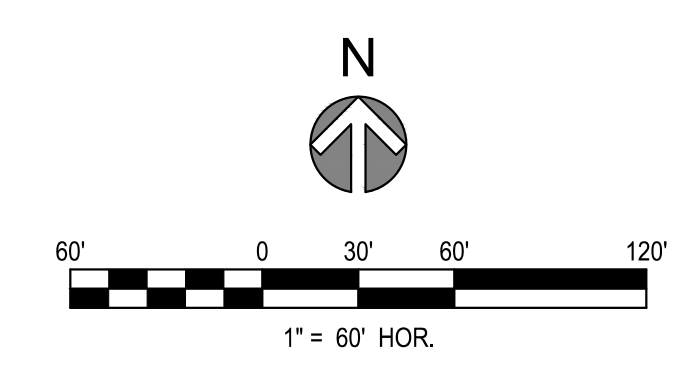


EARTHWORK VOLUMES

ALL REPORTED VOLUMES ARE BANK VOLUMES
 TOTAL CUT: 40,438 CY
 TOTAL FILL: 49,388 CY
 RIPRAP (MHFD TYPE L: D₅₀ = 9") : 1,341 CY

DISTURBED AREA

OIL AND GAS LOCATION: ±13.4 ACRES
 INTERIM WORKING PAD SURFACE: ±2.0 ACRES
 RECLAIMED AREA: ±6.2 ACRES
 UNRECLAIMED AREA: ±5.2 ACRES



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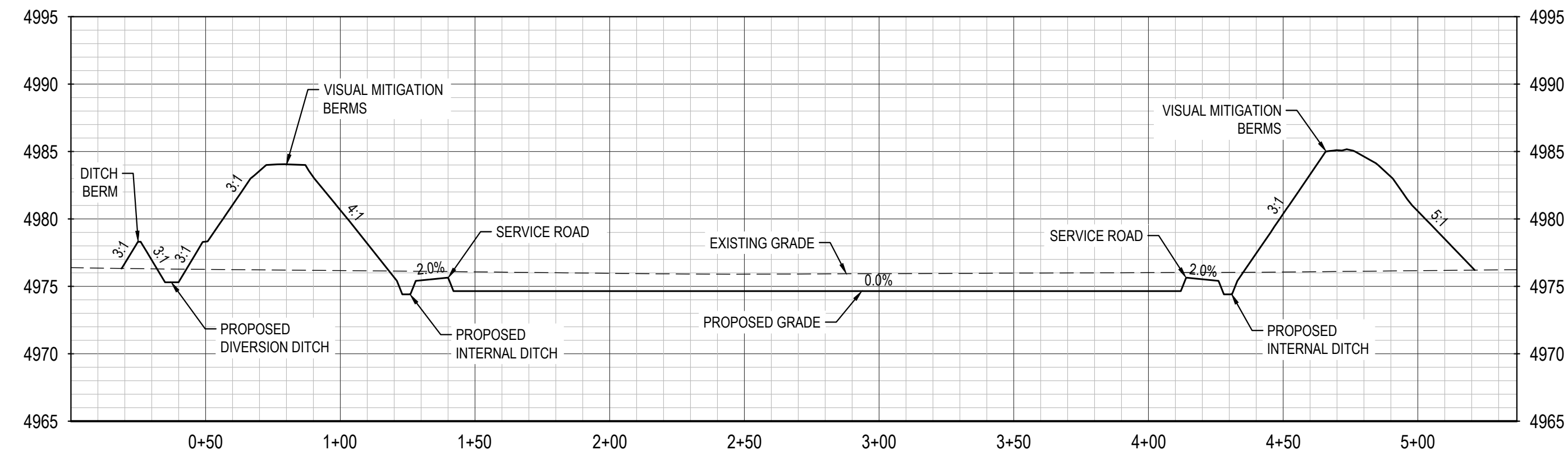
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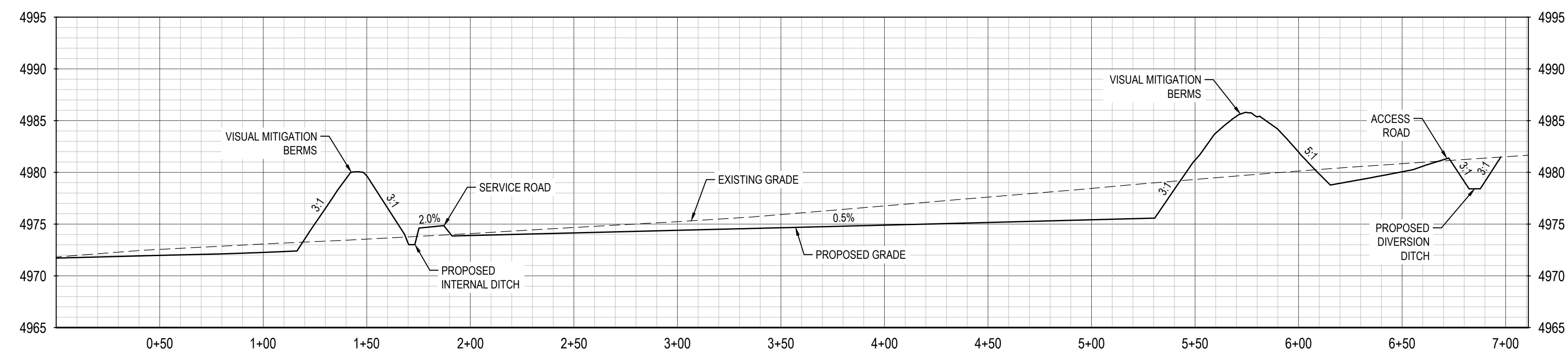
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SECTION A (W-E)



SECTION B (S-N)



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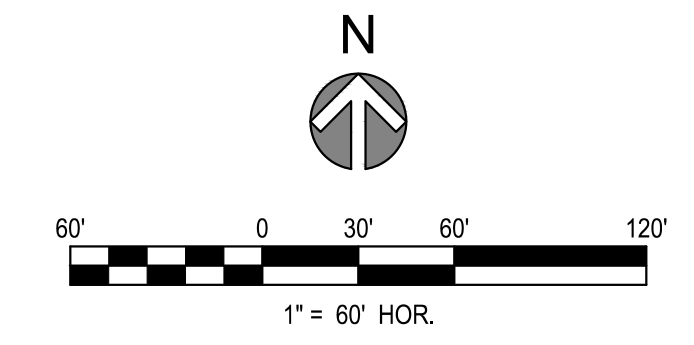
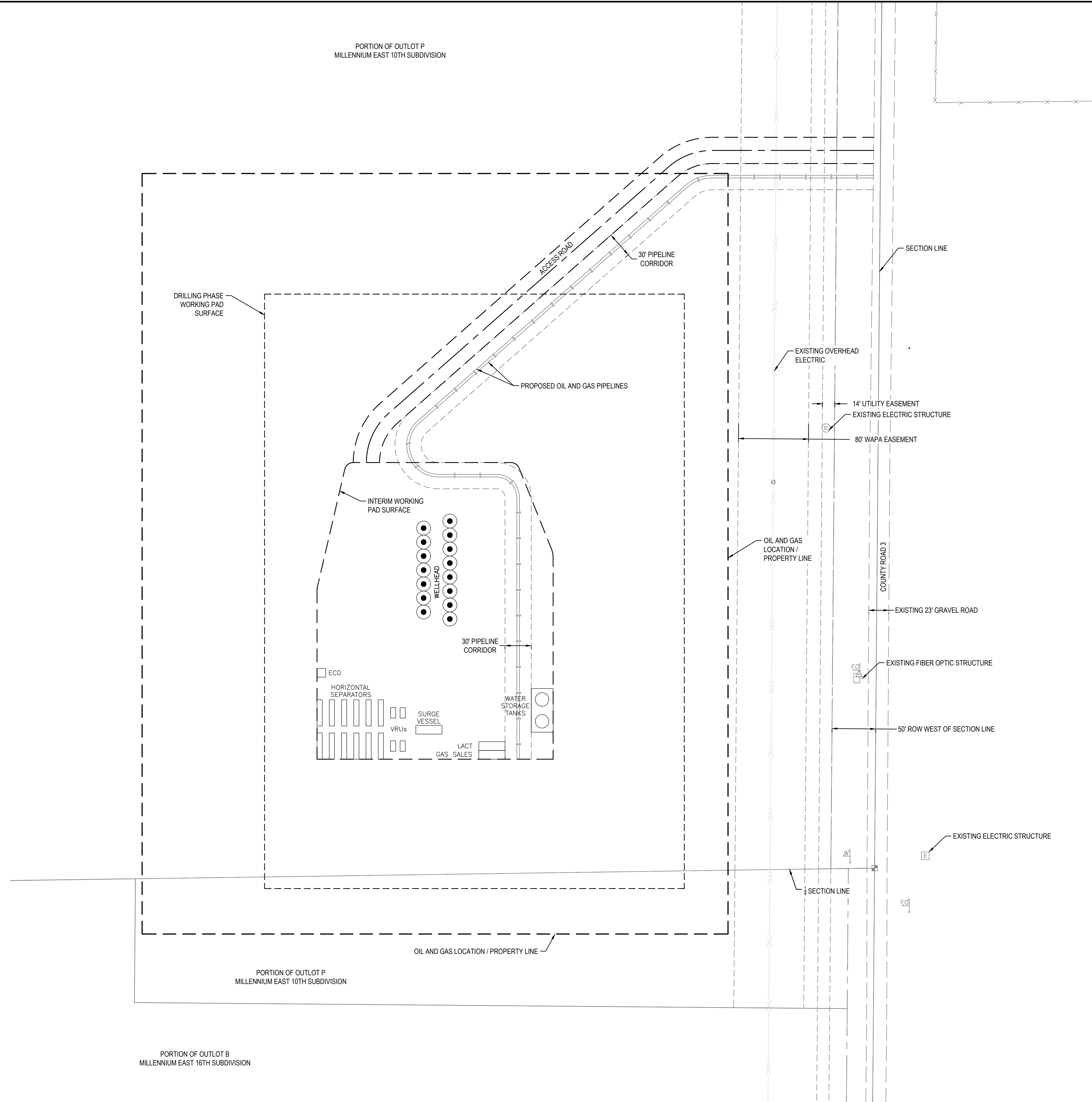
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CIVIL CONSTRUCTION PLANS
PRODUCTION PHASE SECTION VIEWS

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SHEET	C-201
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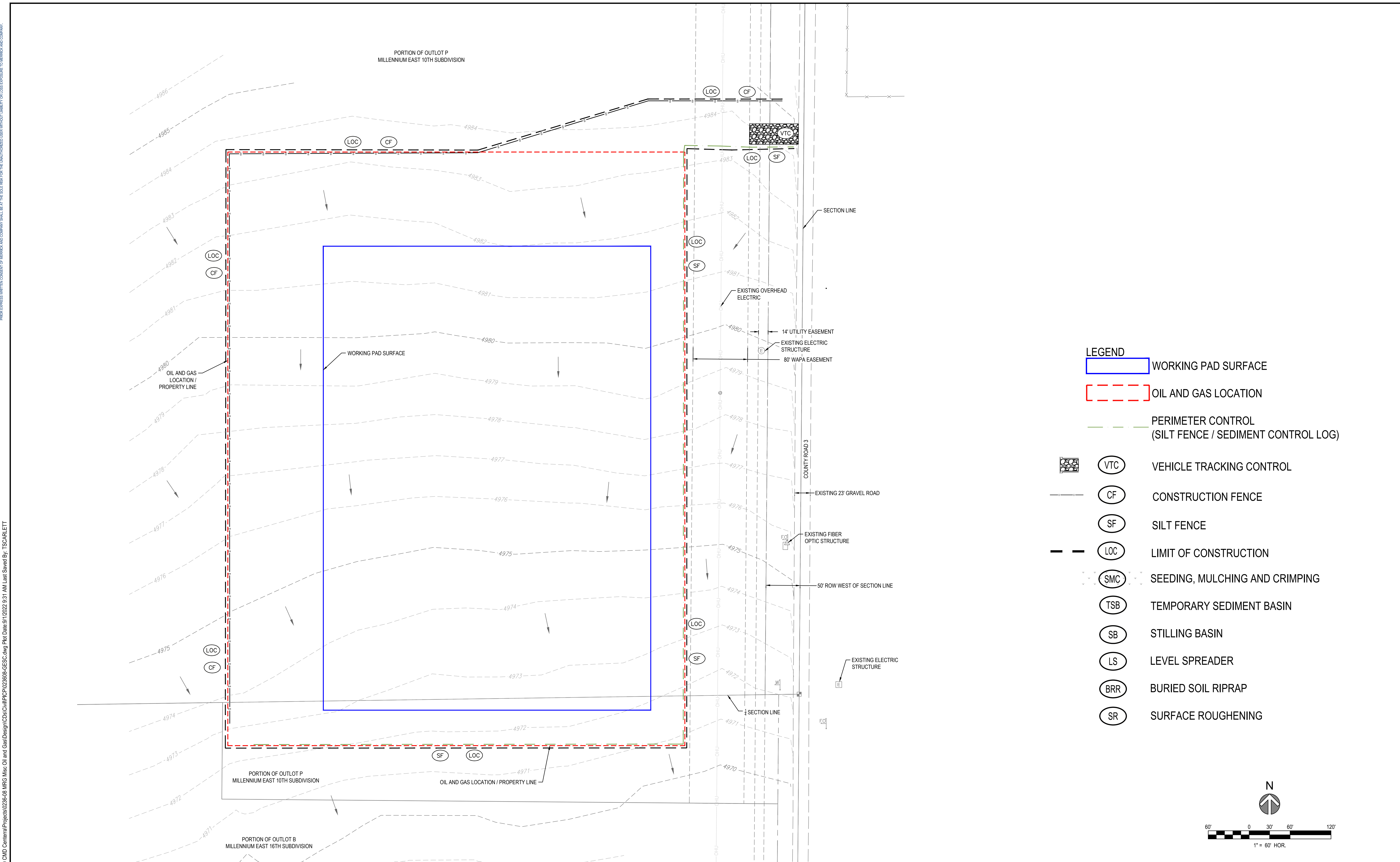
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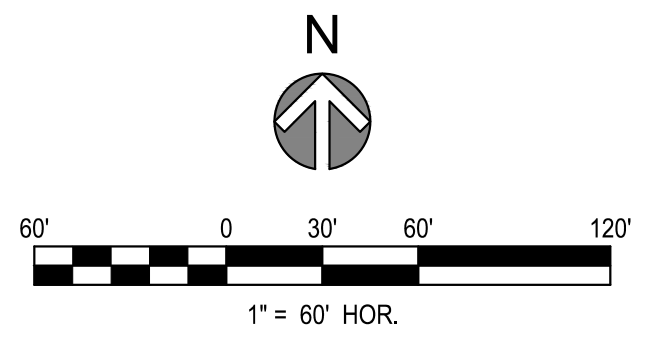
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- LEGEND**
- WORKING PAD SURFACE
 - OIL AND GAS LOCATION
 - PERIMETER CONTROL (SILT FENCE / SEDIMENT CONTROL LOG)
 - (VTC) VEHICLE TRACKING CONTROL
 - (CF) CONSTRUCTION FENCE
 - (SF) SILT FENCE
 - (LOC) LIMIT OF CONSTRUCTION
 - (SMC) SEEDING, MULCHING AND CRIMPING
 - (TSB) TEMPORARY SEDIMENT BASIN
 - (SB) STILLING BASIN
 - (LS) LEVEL SPREADER
 - (BRR) BURIED SOIL RIPRAP
 - (SR) SURFACE ROUGHENING



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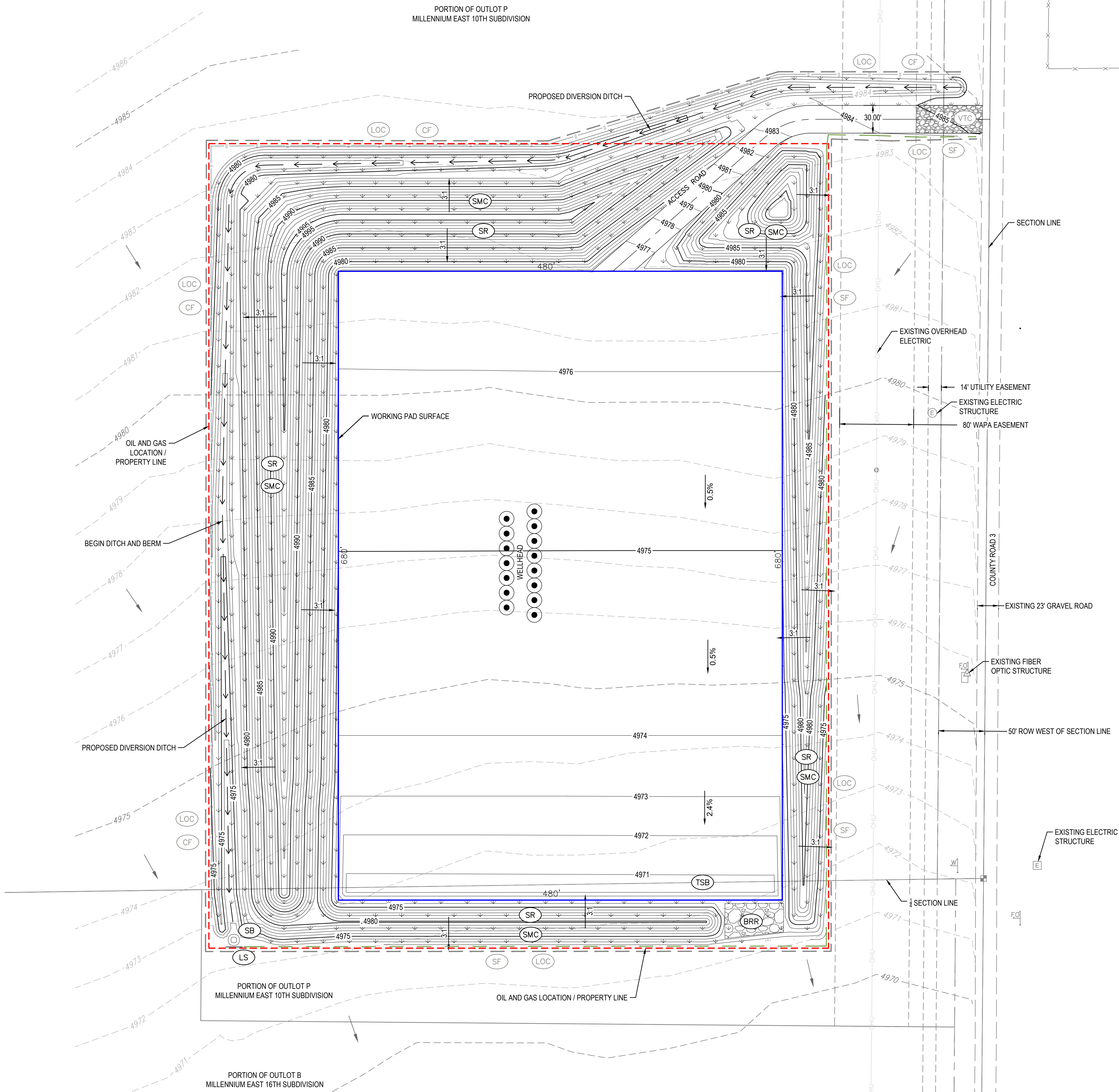
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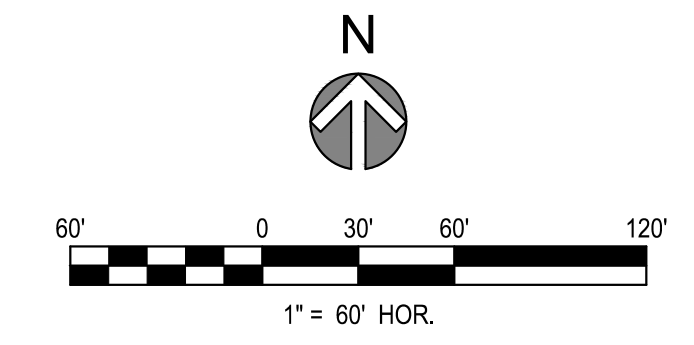
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- LEGEND**
- WORKING PAD SURFACE
 - OIL AND GAS LOCATION
 - PERIMETER CONTROL (SILT FENCE / SEDIMENT CONTROL LOG)
 - VTC VEHICLE TRACKING CONTROL
 - CF CONSTRUCTION FENCE
 - SF SILT FENCE
 - LOC LIMIT OF CONSTRUCTION
 - SMC SEEDING, MULCHING AND CRIMPING
 - TSB TEMPORARY SEDIMENT BASIN
 - SB STILLING BASIN
 - LS LEVEL SPREADER
 - BRR BURIED SOIL RIPRAP
 - SR SURFACE ROUGHENING



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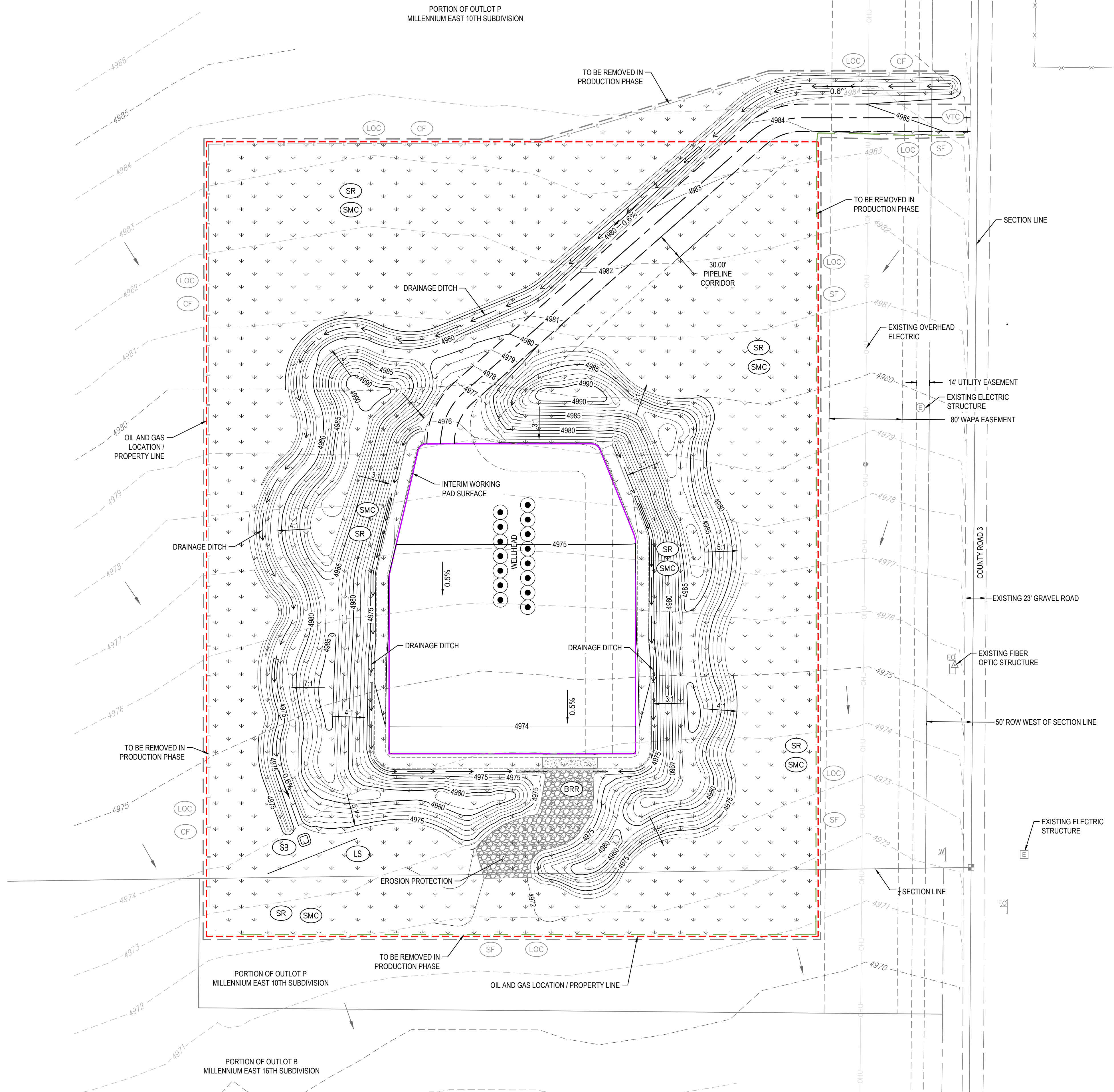
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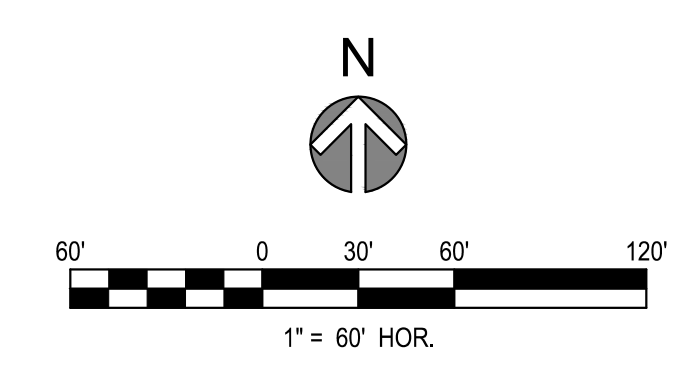
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- LEGEND**
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 - INTERIM WORKING PAD SURFACE
 - DITCH FLOW LINE
 - PERIMETER CONTROL (SILT FENCE / SEDIMENT CONTROL LOG)
 - VTC VEHICLE TRACKING CONTROL
 - CF CONSTRUCTION FENCE
 - SF SILT FENCE
 - LOC LIMIT OF CONSTRUCTION
 - SMC SEEDING, MULCHING AND CRIMPING
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