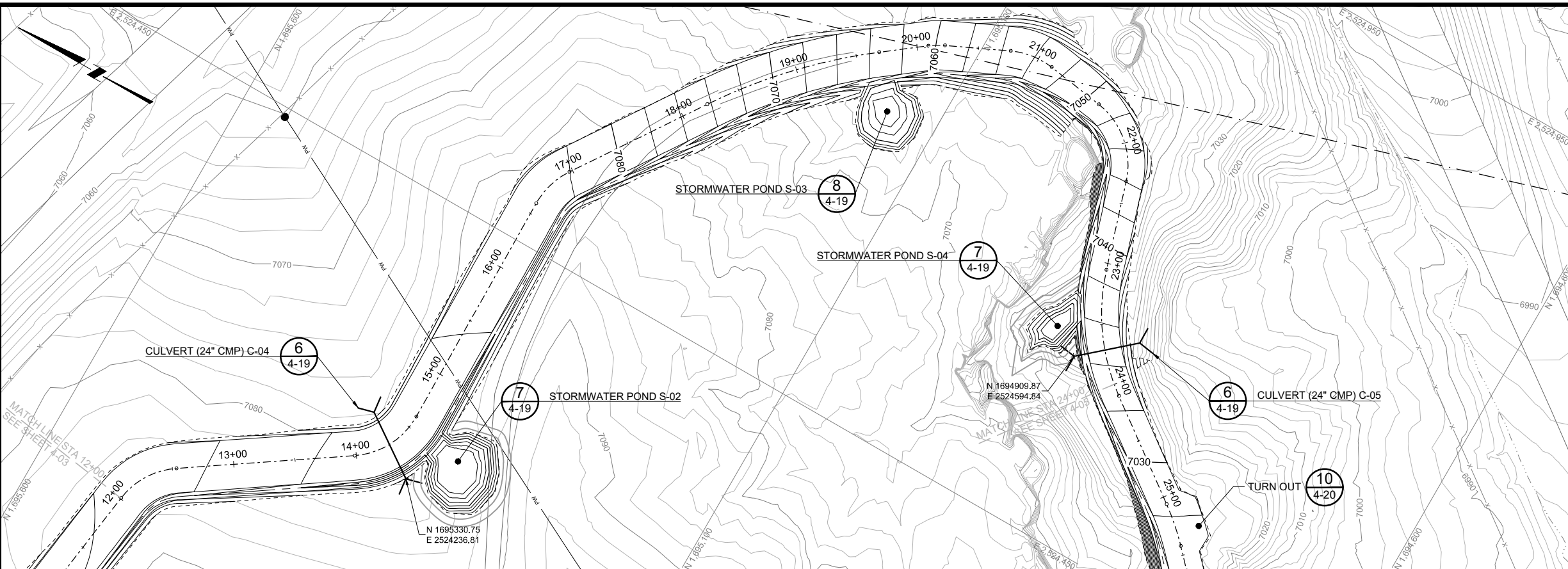
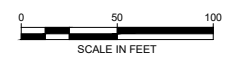


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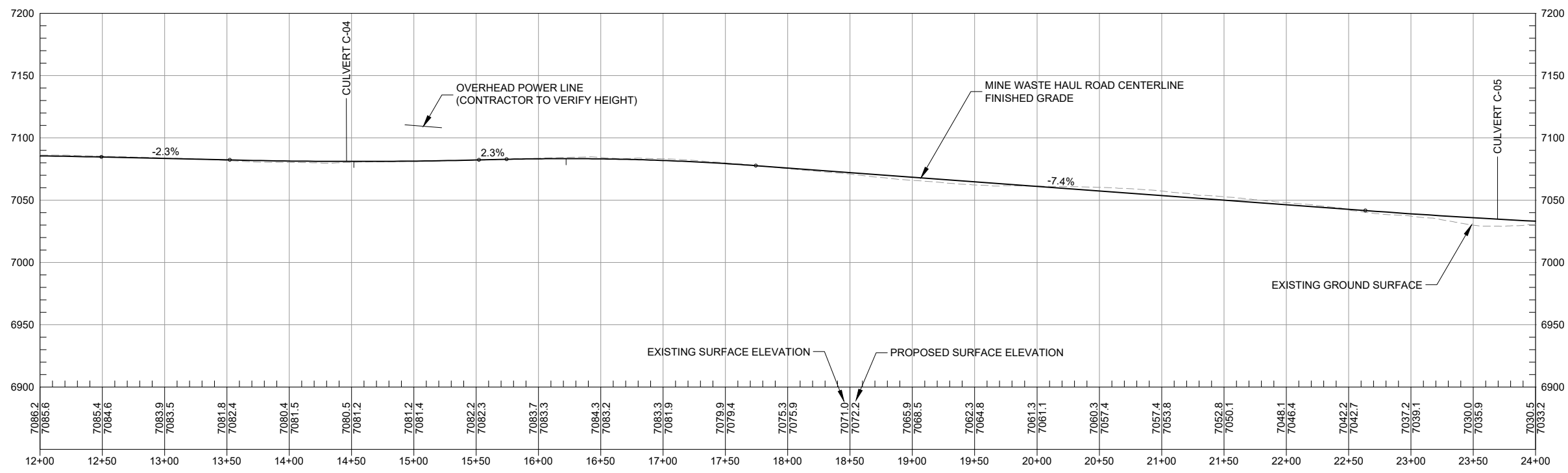


MINE WASTE HAUL ROAD PLAN VIEW
STATION 12+00 TO 24+00



- LEGEND:**
- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
 - PROPOSED SURFACE CONTOUR & ELEVATION, FEET
 - CULVERT
 - GATE
 - OVERHEAD POWER LINES
 - UNC PROPERTY BOUNDARY
 - EXISTING FENCE
 - PROPOSED SURFACE BOUNDARY
 - NATURAL DRAINAGE

- NOTE(S):**
1. TYPICAL ROAD SECTIONS ARE SHOWN ON DETAILS 1 AND 2 ON SHEET 4-18.
 - A. 2-LANE SECTION: STA 0+00 TO 21+00
 - B. TRANSITION: STA 21+00 TO 22+00
 - C. 1-LANE SECTION: STA 22+00 TO 35+00
 - D. TRANSITION: STA 35+00 TO 35+50
 - E. 2-LANE SECTION: STA 35+50 TO 48+82
 2. CULVERTS NOT DRAWN TO SCALE.



MINE WASTE HAUL ROAD PROFILE
STATION 12+00 TO 24+00



E	03/31/20	KR	ISSUED FOR LAR	
D	09/24/18	KR	ISSUED FOR LAR	DESIGNED_K.REED
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN	
B	10/30/17	KR	ISSUED FOR 95% DESIGN	CHECKED_J.COLEMAN
A	07/15/16	KR	ISSUED FOR 30% DESIGN	
REV	DATE	BY	DESCRIPTION	APPROVED_J.CUMBERS

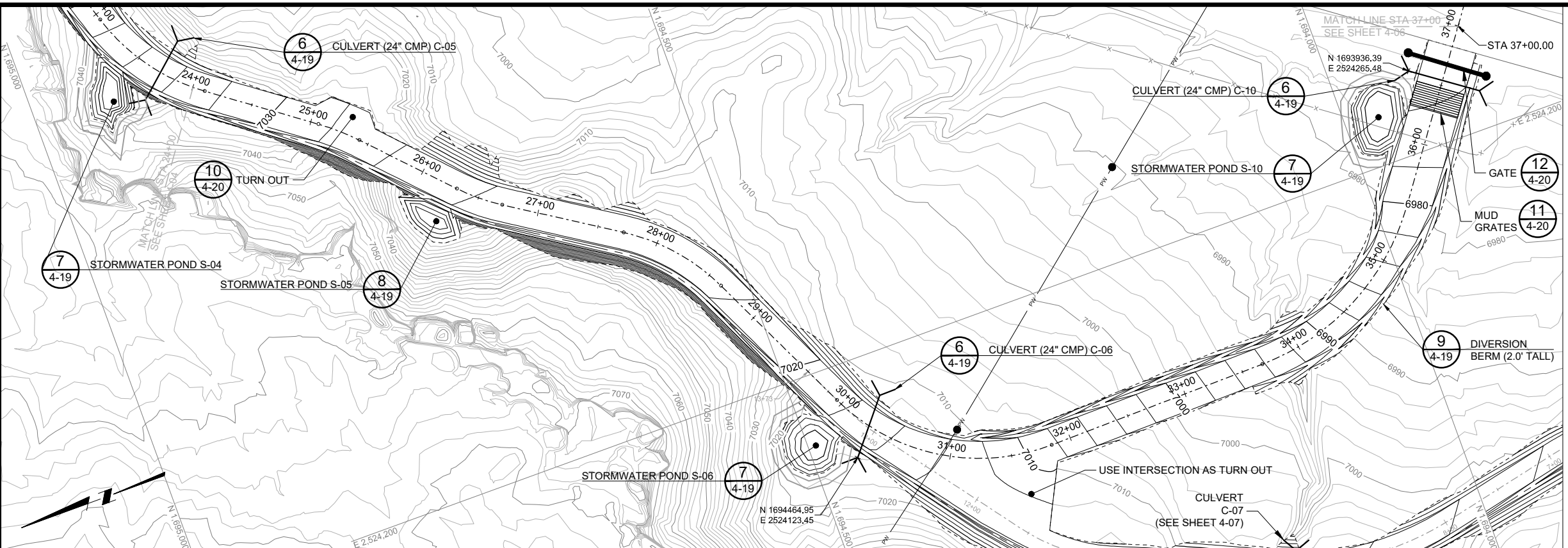


UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
MCKINLEY COUNTY, NEW MEXICO

NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
MINE WASTE HAUL ROAD PLAN AND PROFILE (2 OF 4)

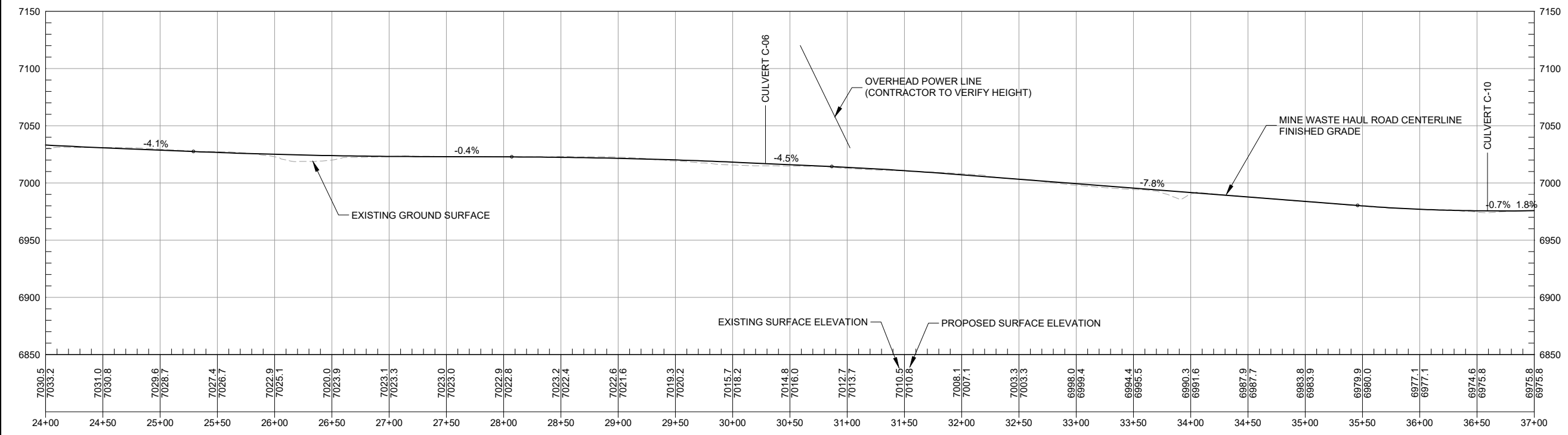
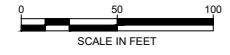
SHEET
4-04
233001048

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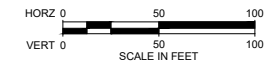


- LEGEND:**
- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
 - PROPOSED SURFACE CONTOUR & ELEVATION, FEET
 - CULVERT
 - GATE
 - OVERHEAD POWER LINES
 - EXISTING FENCE
 - PROPOSED SURFACE BOUNDARY
 - NATURAL DRAINAGE
- NOTE(S):**
1. TYPICAL ROAD SECTIONS ARE SHOWN ON DETAILS 1 AND 2 ON SHEET 4-18.
 - A. 2-LANE SECTION: STA 0+00 TO 21+00
 - B. TRANSITION: STA 21+00 TO 22+00
 - C. 1-LANE SECTION: STA 22+00 TO 35+00
 - D. TRANSITION: STA 35+00 TO 35+50
 - E. 2-LANE SECTION: STA 35+50 TO 48+82
 2. CULVERTS NOT DRAWN TO SCALE.

MINE WASTE HAUL ROAD PLAN VIEW
STATION 24+00 TO 37+00



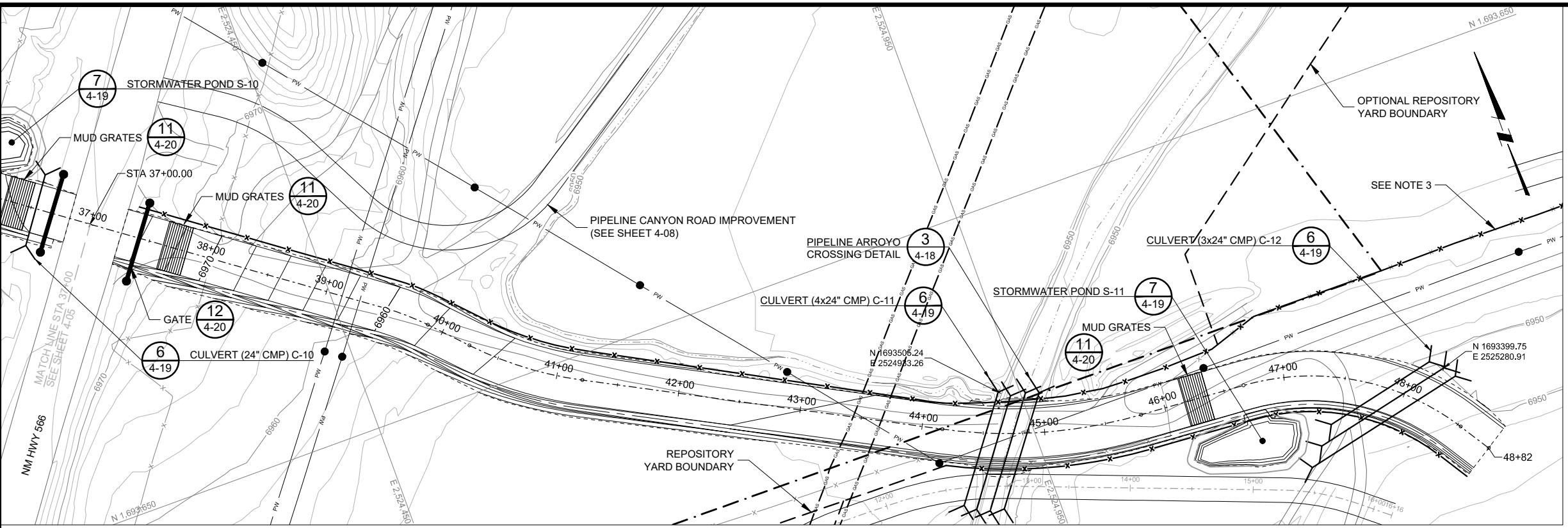
MINE WASTE HAUL ROAD PROFILE
STATION 24+00 TO 37+00



REV	DATE	BY	DESCRIPTION	APPROVED
E	03/31/20	KR	ISSUED FOR LAR	
D	09/24/18	KR	ISSUED FOR LAR	DESIGNED <u>K. REED</u>
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN	CHECKED <u>J. COLEMAN</u>
B	10/30/17	KR	ISSUED FOR 95% DESIGN	
A	07/15/16	KR	ISSUED FOR 30% DESIGN	APPROVED <u>J. CUMBERS</u>

UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 MINE WASTE HAUL ROAD PLAN AND PROFILE (3 OF 4)

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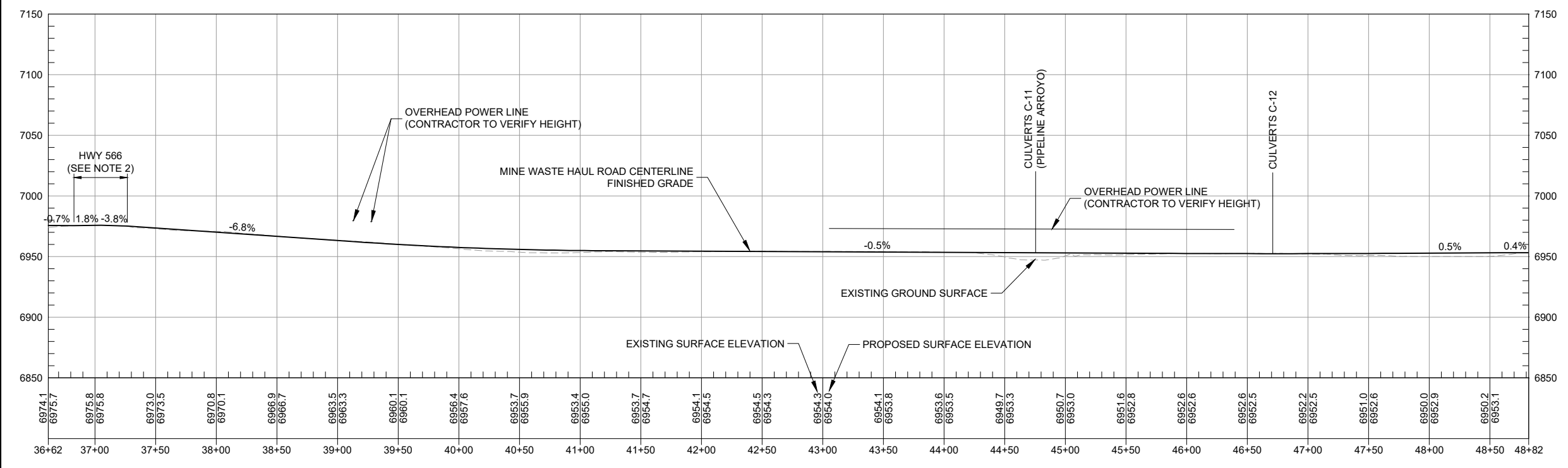
MINE WASTE HAUL ROAD PLAN VIEW
STATION 37+00 TO 48+89



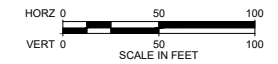
LEGEND:

	EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
	PROPOSED SURFACE CONTOUR & ELEVATION, FEET
	CULVERT
	GATE
	OVERHEAD POWER LINES
	UNC PROPERTY BOUNDARY
	EXISTING FENCE
	NEW SEPARATION FENCE
	PROPOSED SURFACE BOUNDARY
	NATURAL DRAINAGE
	GAS LINE

- NOTE(S):**
- TYPICAL ROAD SECTIONS ARE SHOWN ON DETAILS 1 AND 2 ON SHEET 4-18.
 - 2-LANE SECTION: STA 0+00 TO 21+00
 - TRANSITION: STA 21+00 TO 22+00
 - 1-LANE SECTION: STA 22+00 TO 35+00
 - TRANSITION: STA 35+00 TO 35+50
 - 2-LANE SECTION: STA 35+50 TO 48+82
 - FIELD FIT HAUL ROAD GRADE AT HWY 566 TO MATCH PAVEMENT ELEVATION.
 - CONTRACTOR TO MATCH EXISTING FENCE (SEE SPECIFICATIONS).
 - CULVERTS NOT DRAWN TO SCALE.



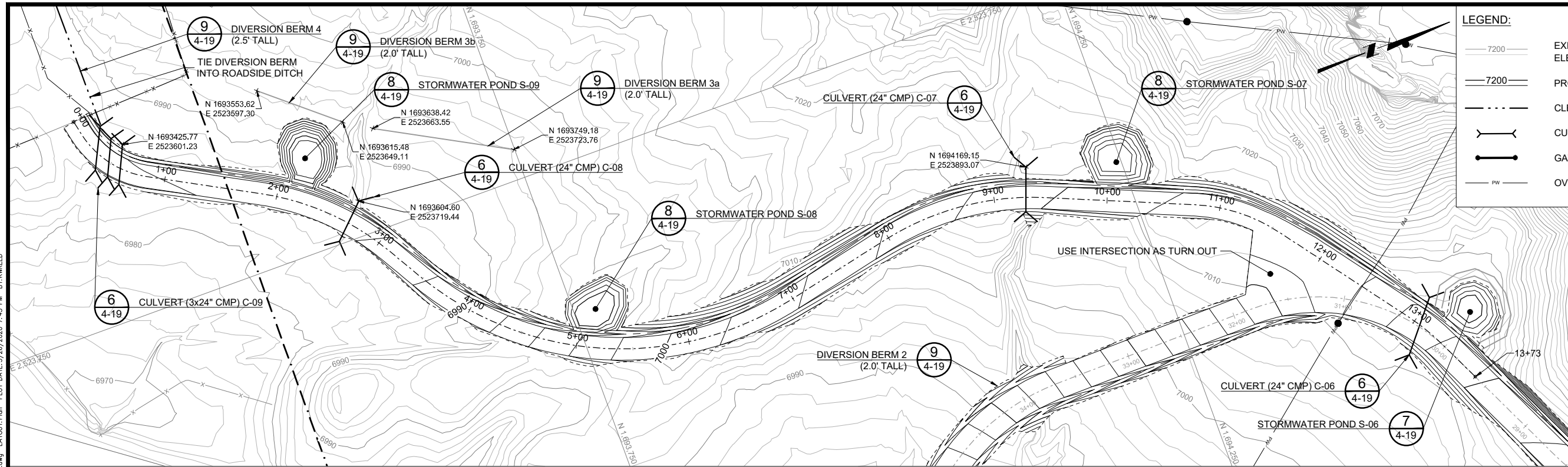
MINE WASTE HAUL ROAD PROFILE
STATION 37+77 TO 48+89



E	03/31/20	KR	ISSUED FOR LAR	DESIGNED	K.REED
D	09/24/18	KR	ISSUED FOR LAR	CHECKED	J.COLEMAN
C	04/09/18	KR	ISSUED FOR 95% REVISED DESIGN	APPROVED	J.CUMBERS
B	10/30/17	KR	ISSUED FOR 95% DESIGN		
A	07/15/16	KR	ISSUED FOR 30% DESIGN		
REV	DATE	BY	DESCRIPTION		

UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 MINE WASTE HAUL ROAD PLAN AND PROFILE (4 OF 4)

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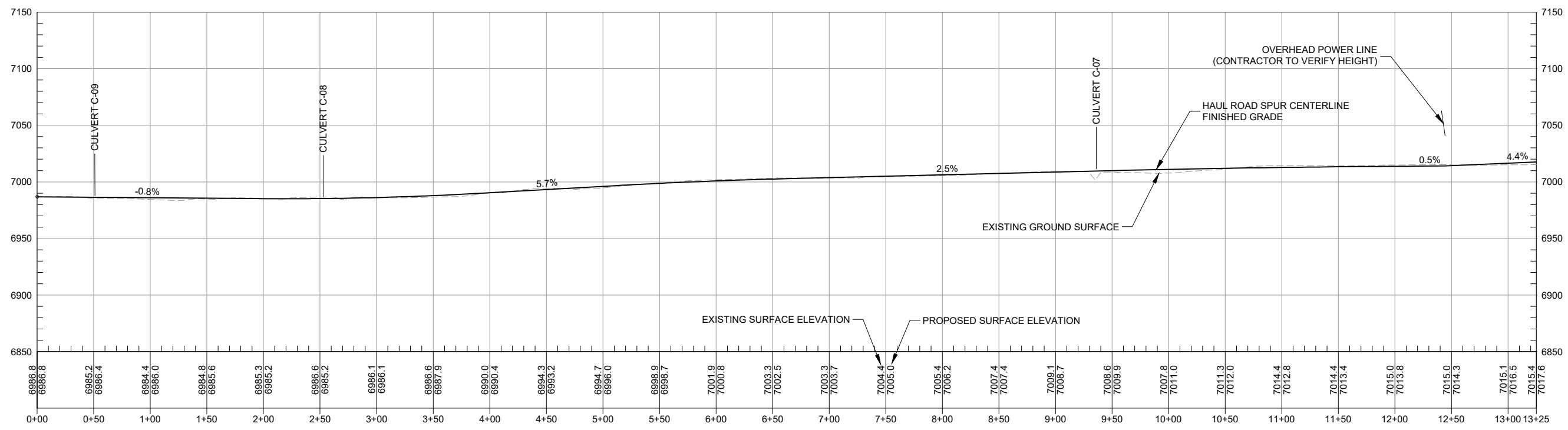
LEGEND:

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- PROPOSED SURFACE CONTOUR & ELEVATION, FEET
- CLEAN STORMWATER DIVERSION DITCH
- CULVERT
- GATE
- OVERHEAD POWER LINES
- UNC PROPERTY BOUNDARY
- EXISTING FENCE
- NEW SEPARATION FENCE
- PROPOSED SURFACE BOUNDARY
- NATURAL DRAINAGE

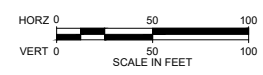
NOTE(S):

- TYPICAL ROAD SECTIONS ARE SHOWN ON DETAILS 1 AND 2 ON SHEET 4-18.
A. 1-LANE SECTION: STA 0+00 TO 13+00
- CULVERTS NOT DRAWN TO SCALE.

HAUL ROAD SPUR PLAN VIEW
STATION 0+00 TO 13+09



HAUL ROAD SPUR PROFILE
STATION 0+00 TO 13+09



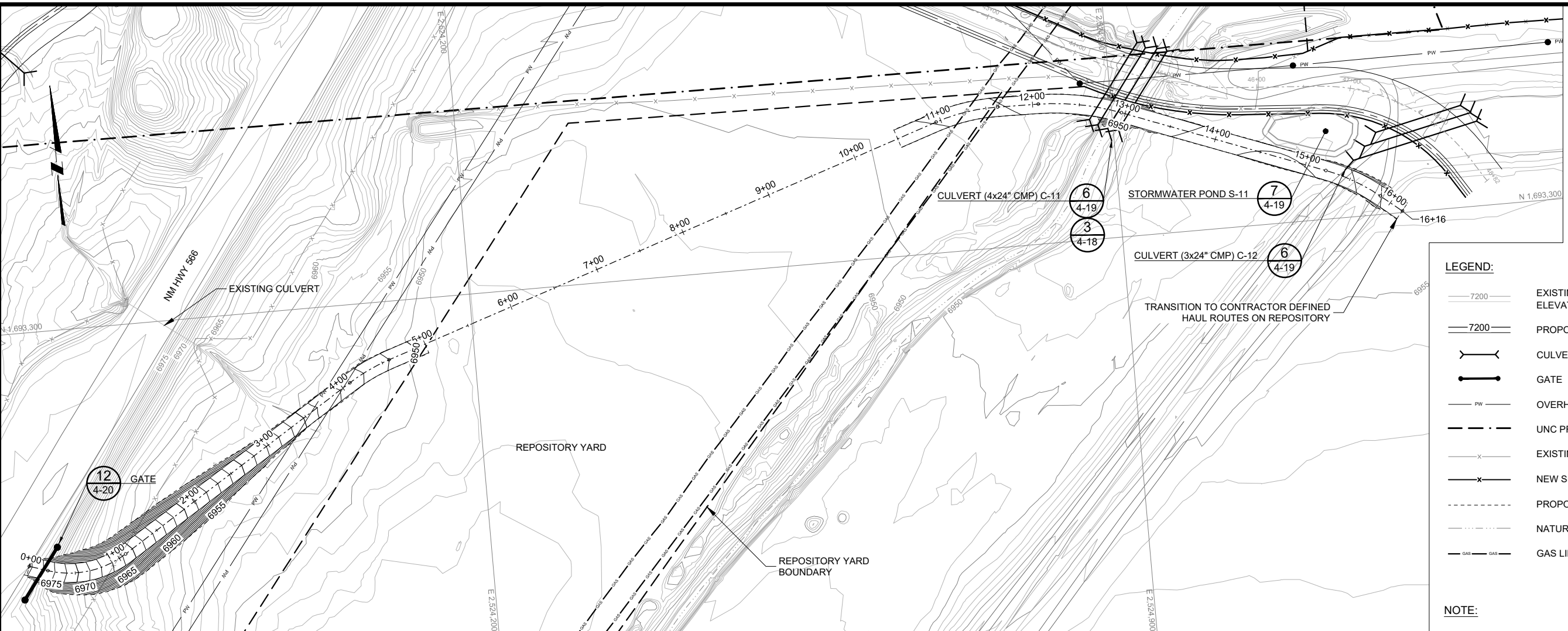
E	03/31/20	KR	ISSUED FOR LAR	
D	09/24/18	KR	ISSUED FOR LAR	DESIGNED_K.REED
C	04/09/18	KR	ISSUED FOR 95% REVISED DESIGN	
B	10/30/17	KR	ISSUED FOR 95% DESIGN	CHECKED_J.COLEMAN
A	07/15/16	KR	ISSUED FOR 30% DESIGN	
REV	DATE	BY	DESCRIPTION	APPROVED_J.CUMBERS



UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 MINE WASTE HAUL ROAD SPUR PLAN AND PROFILE

SHEET
 4-07
 233001048

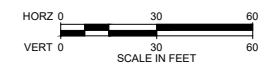
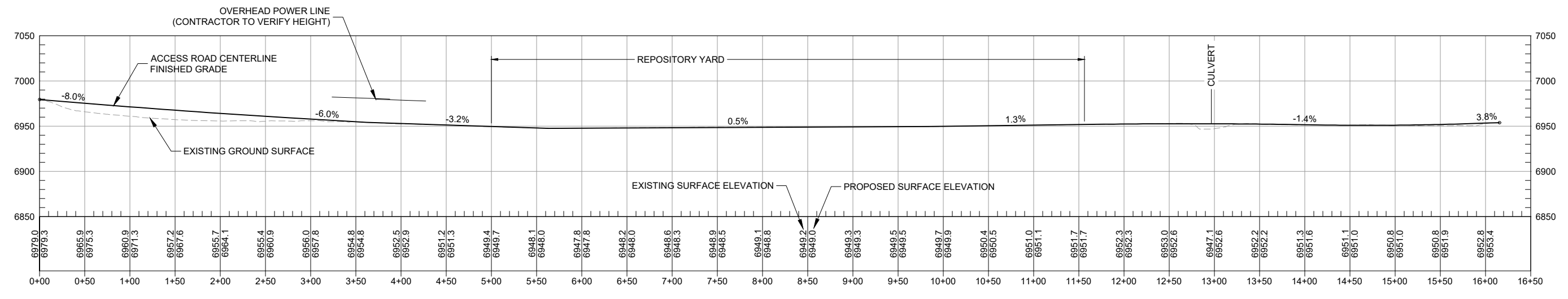
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- LEGEND:**
- 7200 EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
 - 7200 PROPOSED SURFACE CONTOUR & ELEVATION, FEET
 - CULVERT
 - GATE
 - OVERHEAD POWER LINES
 - UNC PROPERTY BOUNDARY
 - EXISTING FENCE
 - NEW SEPARATION FENCE
 - PROPOSED SURFACE BOUNDARY
 - NATURAL DRAINAGE
 - GAS LINE

- NOTE:**
1. CLEAN ACCESS ROAD SHALL BE GRADED TO DRAIN.
 2. CULVERTS NOT DRAWN TO SCALE.

CLEAN ACCESS ROAD PLAN VIEW
STATION 0+00 TO 16+16

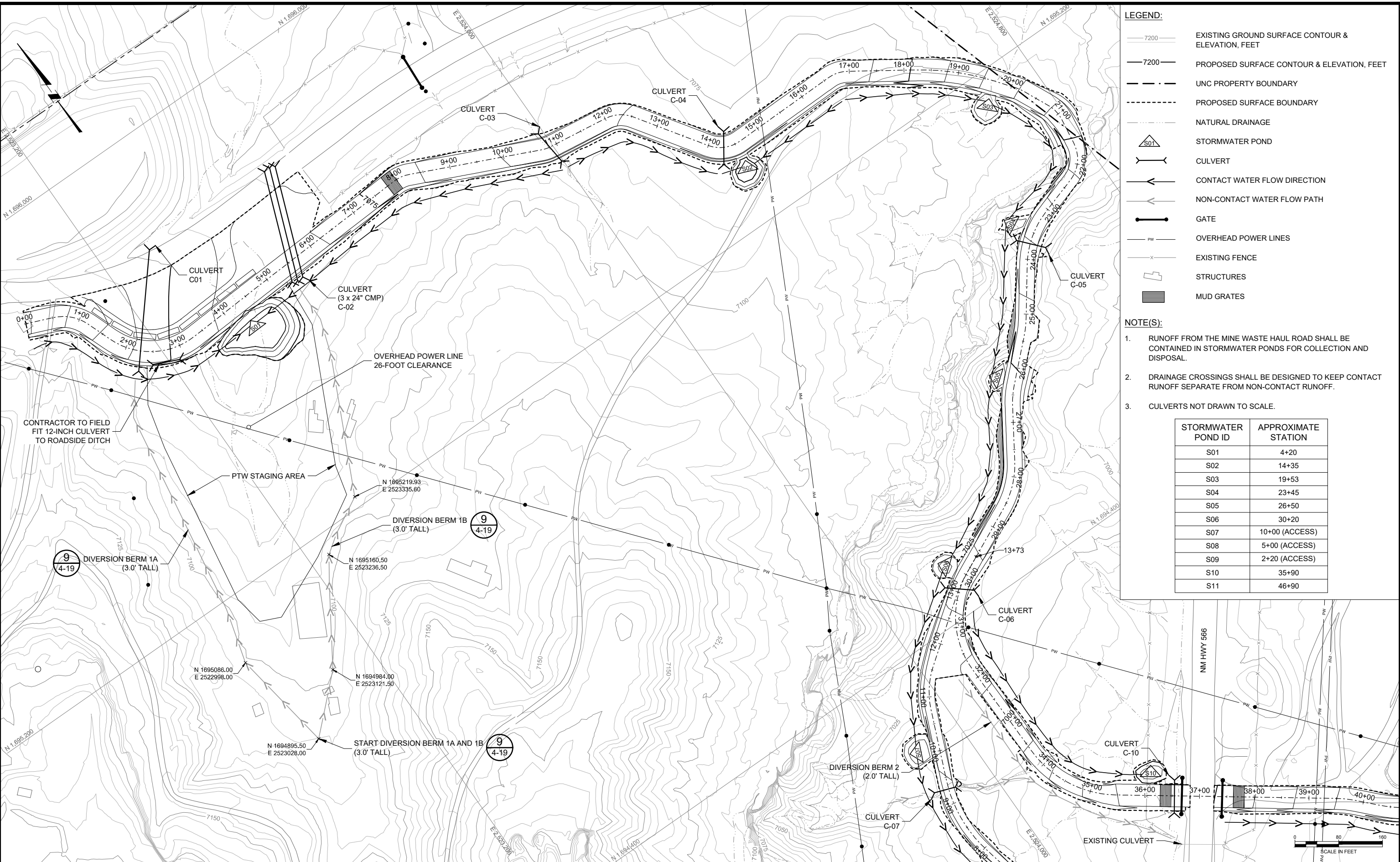


E	03/31/20	KR	ISSUED FOR LAR	
D	09/24/18	KR	ISSUED FOR LAR	DESIGNED_K REED
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN	CHECKED_J COLEMAN
B	10/30/17	KR	ISSUED FOR 95% DESIGN	
A	07/15/16	KR	ISSUED FOR 30% DESIGN	APPROVED_J CUMBERS
REV	DATE	BY	DESCRIPTION	



UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 REPOSITORY YARD CLEAN ACCESS ROAD PLAN AND PROFILE

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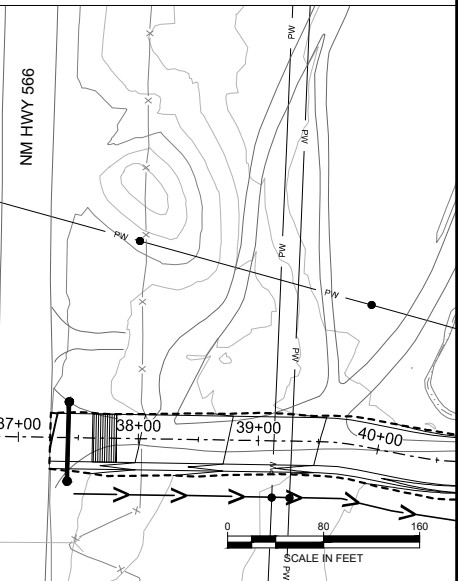


LEGEND:

- 7200 EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- 7200 PROPOSED SURFACE CONTOUR & ELEVATION, FEET
- UNC PROPERTY BOUNDARY
- PROPOSED SURFACE BOUNDARY
- NATURAL DRAINAGE
- STORMWATER POND
- CULVERT
- CONTACT WATER FLOW DIRECTION
- NON-CONTACT WATER FLOW PATH
- GATE
- OVERHEAD POWER LINES
- EXISTING FENCE
- STRUCTURES
- MUD GRATES

- NOTE(S):**
1. RUNOFF FROM THE MINE WASTE HAUL ROAD SHALL BE CONTAINED IN STORMWATER PONDS FOR COLLECTION AND DISPOSAL.
 2. DRAINAGE CROSSINGS SHALL BE DESIGNED TO KEEP CONTACT RUNOFF SEPARATE FROM NON-CONTACT RUNOFF.
 3. CULVERTS NOT DRAWN TO SCALE.

STORMWATER POND ID	APPROXIMATE STATION
S01	4+20
S02	14+35
S03	19+53
S04	23+45
S05	26+50
S06	30+20
S07	10+00 (ACCESS)
S08	5+00 (ACCESS)
S09	2+20 (ACCESS)
S10	35+90
S11	46+90

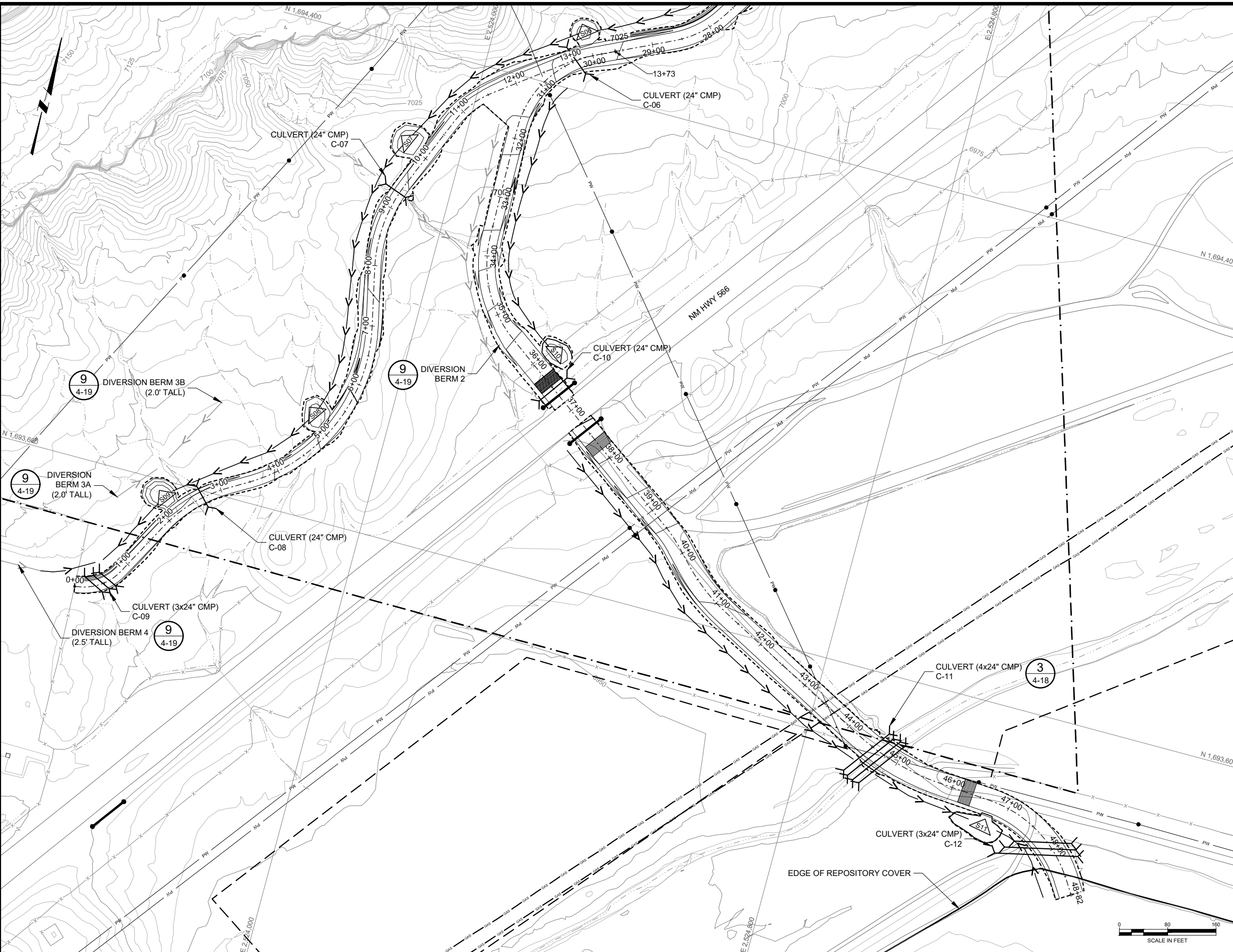


REV	DATE	BY	DESCRIPTION	APPROVED
E	03/31/20	KR	ISSUED FOR LAR	DESIGNED <u>K.REED</u> CHECKED <u>J.COLEMAN</u> APPROVED <u>J.CUMBERS</u>
D	09/24/18	KR	ISSUED FOR LAR	
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN	
B	10/30/17	KR	ISSUED FOR 95% DESIGN	
A	07/15/16	KR	ISSUED FOR 30% DESIGN	

DESIGNED K.REED
 CHECKED J.COLEMAN
 APPROVED J.CUMBERS



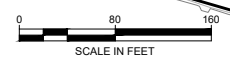
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LEGEND:

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- PROPOSED SURFACE CONTOUR & ELEVATION, FEET
- UNC PROPERTY BOUNDARY
- PROPOSED SURFACE BOUNDARY
- EXISTING FENCE
- NEW SEPARATION FENCE
- NATURAL DRAINAGE
- STORMWATER POND
- CULVERT
- CONTACT WATER FLOW DIRECTION
- NON-CONTACT WATER FLOW PATH
- GATE
- OVERHEAD POWER LINES
- GAS LINE
- MUD GRATES

- NOTE(S):**
1. RUNOFF FROM THE MINE WASTE HAUL ROAD SHALL BE CONTAINED IN STORMWATER PONDS FOR COLLECTION AND DISPOSAL.
 2. DRAINAGE CROSSINGS SHALL BE DESIGNED TO KEEP CONTACT RUNOFF SEPARATE FROM NON-CONTACT RUNOFF.
 3. CULVERTS NOT DRAWN TO SCALE.



REV	DATE	BY	DESCRIPTION
E	03/31/20	KR	ISSUED FOR LAR
D	09/24/18	KR	ISSUED FOR LAR
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN
B	10/30/17	KR	ISSUED FOR 95% DESIGN
A	07/15/16	KR	ISSUED FOR 30% DESIGN

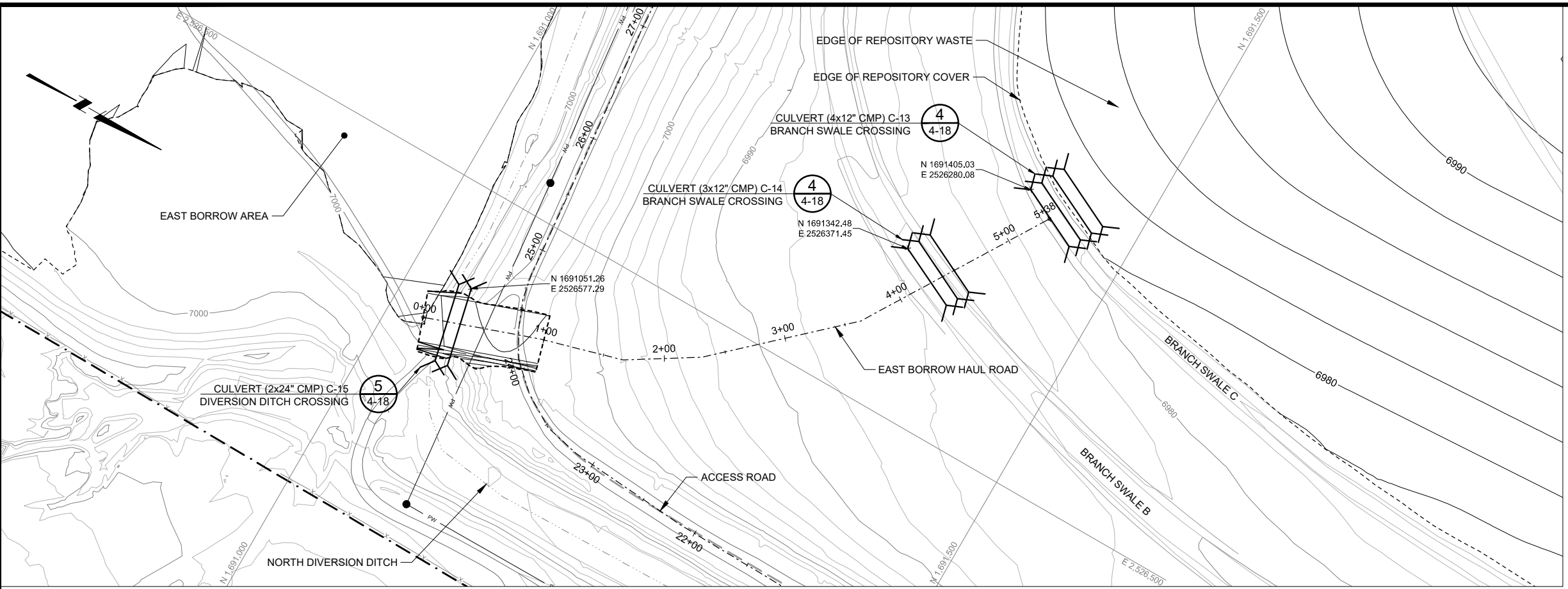
DESIGNED	K. REED
CHECKED	J. COLEMAN
APPROVED	J. CUMBERS



UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO

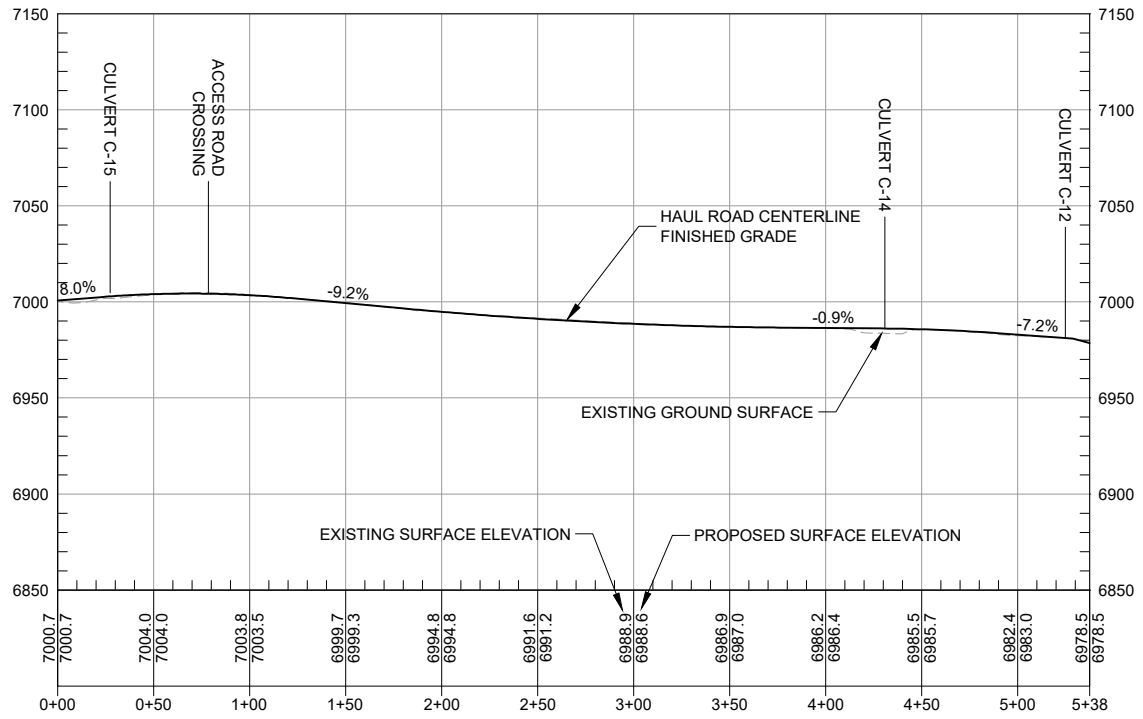
NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 MINE WASTE HAUL ROAD DRAINAGE CONTROL PLAN (2 OF 2)

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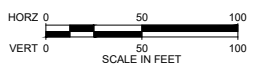


- LEGEND:**
- 7200 EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
 - 7200 PROPOSED SURFACE CONTOUR & ELEVATION, FEET
 - UNC PROPERTY BOUNDARY
 - LIMITS OF TAILINGS DISPOSAL AREA
 - EXISTING FENCE
 - OVERHEAD POWER LINES
 - NATURAL DRAINAGE
- NOTE(S):**
- BORROW HAUL ROUTES ON THE EXISTING TDA COVER TO BE DESIGNATED BY CONTRACTOR.
 - TDA COVER BENEATH DESIGNATED HAUL ROUTES SHALL BE RECONSTRUCTED UPON COMPLETION OF CONSTRUCTION TO MITIGATE DAMAGE FROM HAUL TRAFFIC.
 - BRANCH SWALE CULVERTS SIZED TO 12" CMP.
 - CULVERTS NOT DRAWN TO SCALE.

EAST BORROW HAUL ROAD PLAN VIEW
STATION 0+00 TO 5+38



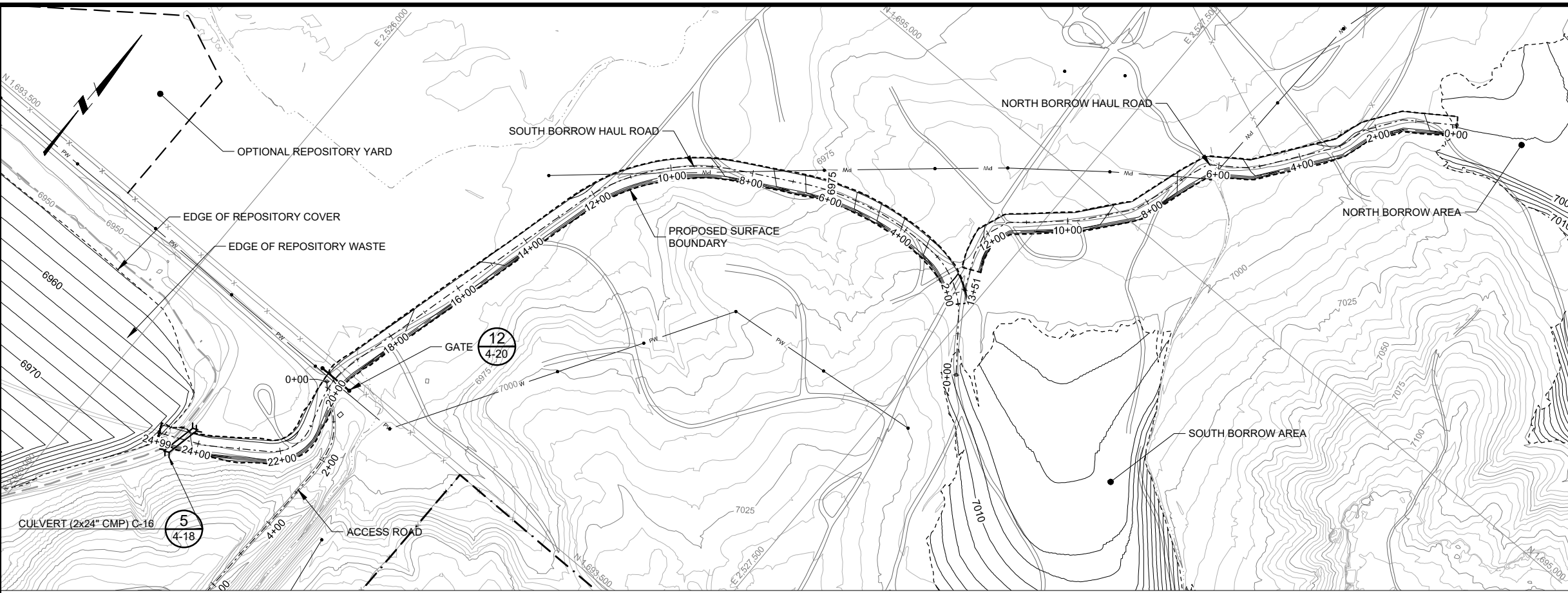
EAST BORROW HAUL ROAD PROFILE
STATION 0+00 TO 5+38



REV	DATE	BY	DESCRIPTION	APPROVED	J. CUMBERS
E	03/31/20	KR	ISSUED FOR LAR	DESIGNED	K. REED
D	09/24/18	KR	ISSUED FOR LAR	CHECKED	J. COLEMAN
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN		
B	10/30/17	KR	ISSUED FOR 95% DESIGN		
A	07/15/16	KR	ISSUED FOR 30% DESIGN		

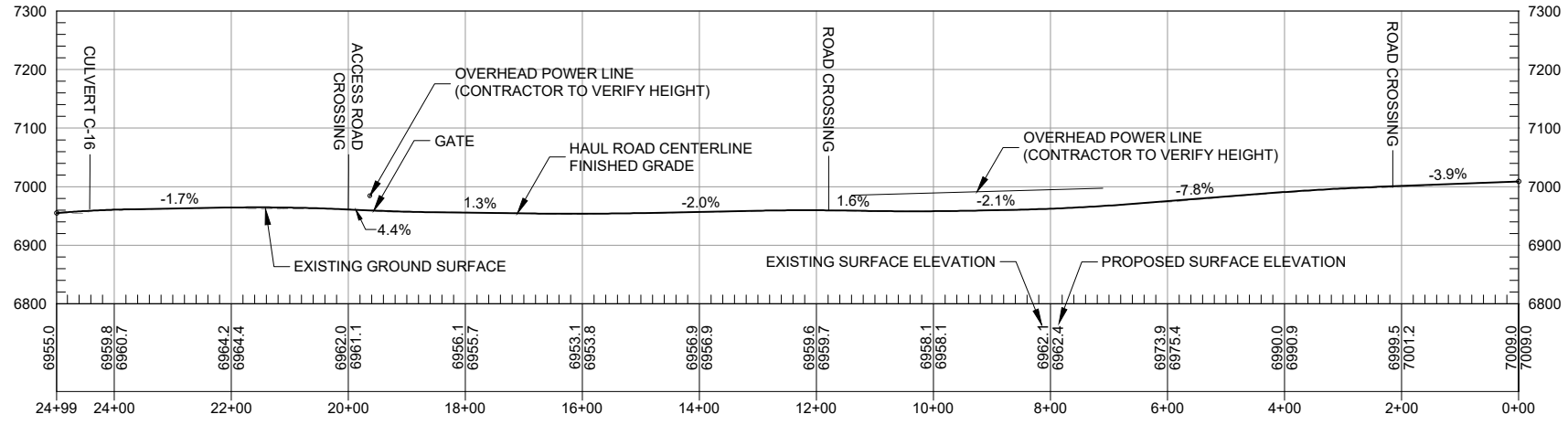
UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 EAST BORROW HAUL ROAD PLAN AND PROFILE

P:\omervp\103_mh\global.com\AM_PROJECTS\202\Documents\General Electric\VE_NECR_Design\Civil\Sheet\Sets\NECR-95%_V2_REVISED_DESIGN_DRAWINGS\04-95.2_HAUL_ROUTES\NECR 4-16 BORROW HAUL RD 3.dwg LAYOUT:Plan PLOT DATE:3/26/2020 7:55 PM BY:K.WREED

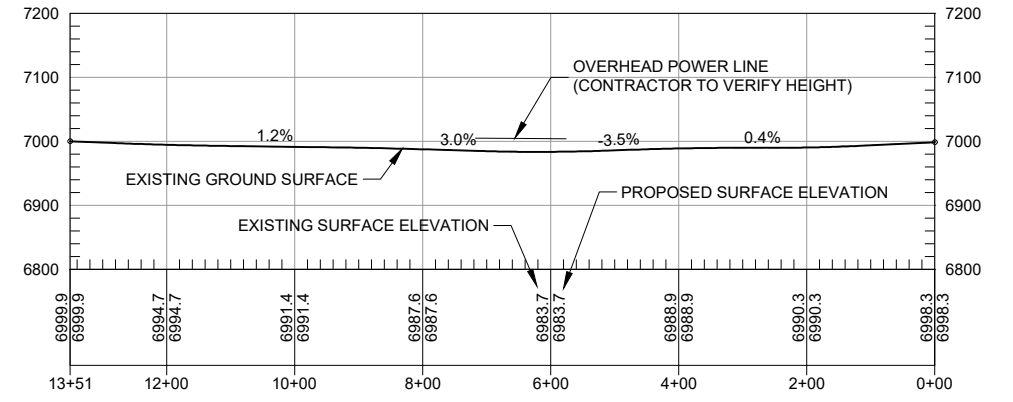


- LEGEND:**
- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
 - PROPOSED SURFACE CONTOUR & ELEVATION, FEET
 - UNC PROPERTY BOUNDARY
 - LIMITS OF TAILINGS DISPOSAL AREA
 - EXISTING FENCE
 - OVERHEAD POWER LINES
 - NATURAL DRAINAGE
 - CULVERT
- NOTE(S):**
1. BORROW HAUL ROUTES ON THE EXISTING TDA COVER TO BE DESIGNATED BY CONTRACTOR.
 2. TDA COVER BENEATH DESIGNATED HAUL ROUTES SHALL BE RECONSTRUCTED UPON COMPLETION OF CONSTRUCTION TO MITIGATE DAMAGE FROM HAUL TRAFFIC.
 3. THE NORTH BORROW HAUL ROAD TERMINATES AT THE BORROW AREA ENTRANCE, WHERE IT WILL BE SUBJECT TO FIELD GRADING DURING BORROW EXCAVATION.
 4. CULVERTS NOT DRAWN TO SCALE.

NORTH BORROW HAUL ROAD AND SPUR PLAN VIEW
STATION 0+00 TO 24+99



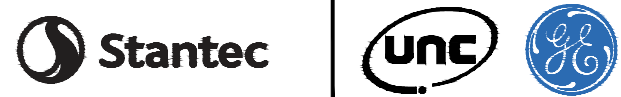
SOUTH BORROW HAUL ROAD PROFILE
STATION 0+00 TO 24+99



NORTH BORROW HAUL ROAD PROFILE
STATION 0+00 TO 12+69



REV	DATE	BY	DESCRIPTION	APPROVED	J. CUMBERS
E	03/31/20	KR	ISSUED FOR LAR	DESIGNED	K. REED
D	09/24/18	KR	ISSUED FOR LAR	CHECKED	J. COLEMAN
C	04/09/18	KR	ISSUED FOR REVISED 95% DESIGN		
B	10/30/17	KR	ISSUED FOR 95% DESIGN		
A	07/15/16	KR	ISSUED FOR 30% DESIGN		



UNITED NUCLEAR CORPORATION AND NORTHEAST CHURCH ROCK MINE
 MCKINLEY COUNTY, NEW MEXICO
 NORTHEAST CHURCH ROCK PROJECT 95% DESIGN
 NORTH BORROW HAUL ROAD PLAN AND PROFILE