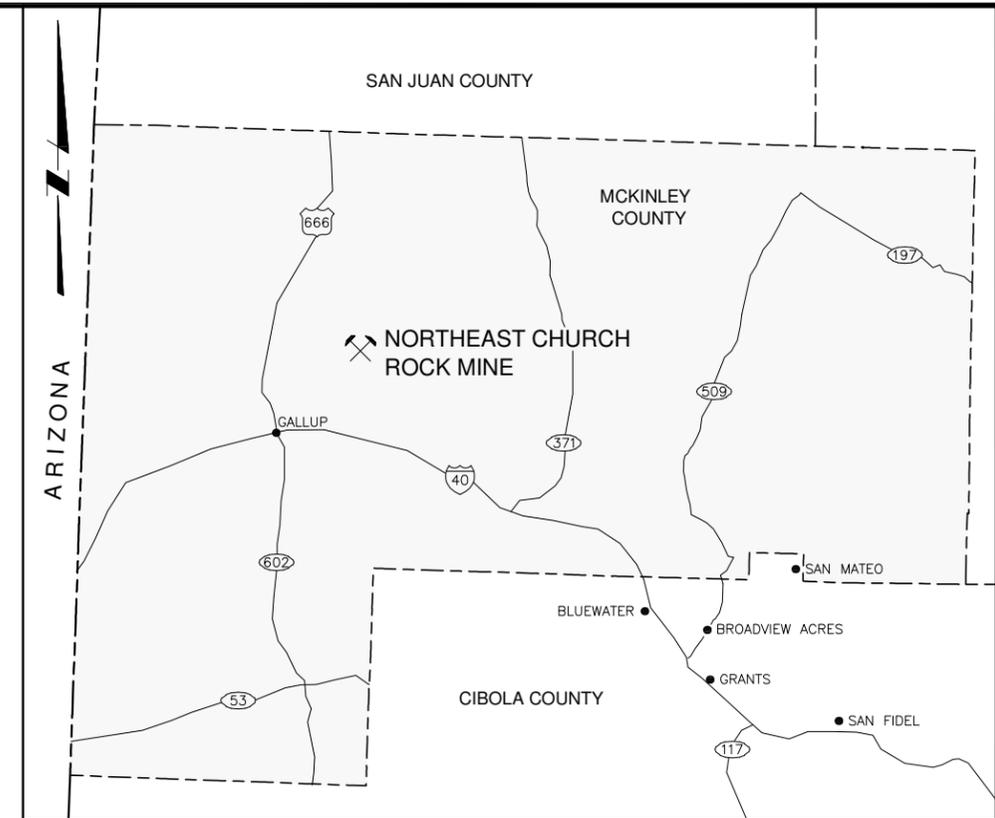




LOCATION MAP  
NOT TO SCALE

INDEX OF DRAWINGS	
No.	TITLE
1	COVER AND INDEX SHEET
2	ORIGINAL CONDITIONS
3	FINAL CONDITIONS
4	DETAILED FINAL CONDITIONS STEP OUT AREA
5	PLAN AND PROFILE-UNNAMED ARROYO
6	UNNAMED ARROYO SECTIONS
7	DETAILED FINAL CONDITIONS NECR-1
8	CUT-FILL ISOPACH NECR-1
9	NECR-1 PILE SECTIONS



VICINITY MAP  
NOT TO SCALE

# NORTHEAST CHURCH ROCK MINE IRA COMPLETION REPORT

Prepared for :

**UNITED NUCLEAR CORPORATION**

N:\Design-Drafting\Clients\_Q-Z\United Nuclear Corporation\NECR\013-Sheet Set\IRA Asbuilt Completion Report\1008501D008

ISSUE	DESCRIPTION	TECH	ENG	DATE
0	ISSUED TO AGENCIES	CHF	JET	06/28/10

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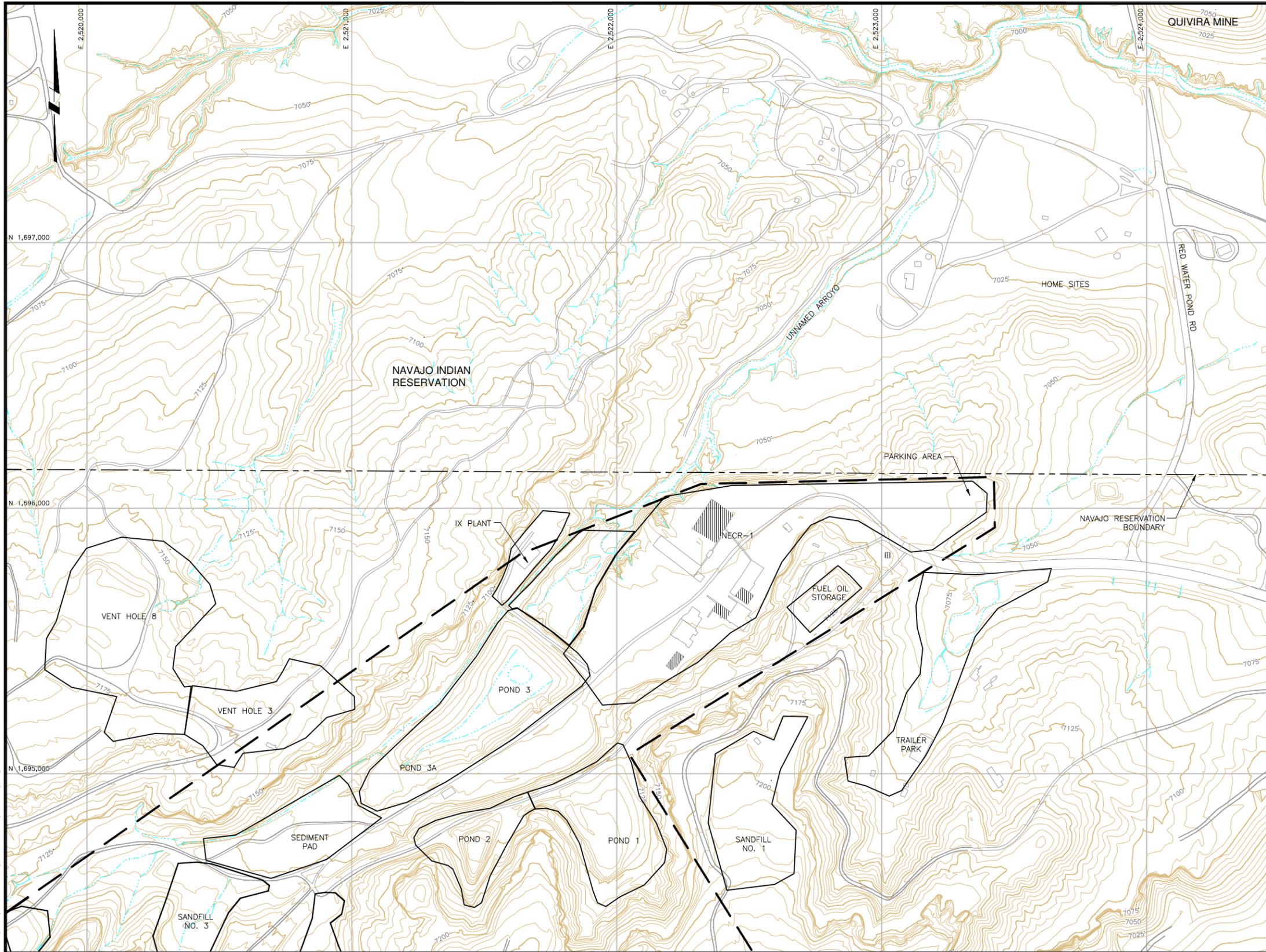
DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		



P.O. BOX 3077  
Gallup, New Mexico 87305-3077

PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	COVER AND INDEX SHEET	DRAWING 1 of 9
FILE NAME	1008501D008	REVISION 0





**LEGEND:**

	PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
	PERMIT BOUNDARY
	FACILITY BOUNDARY
	APPROXIMATE NAVAJO RESERVATION BOUNDARY
	ROADS
	NATURAL DRAINAGE
	PHYSICAL STRUCTURE
	ASBESTOS REMOVAL AREA

**PLAN**  
SCALE  
0 200' 400'  
CONTOUR INTERVAL = 5'

N:\Design-Drafting\Clients\_0-2\United Nuclear Corporation\NECR\013-Sheet Set\IRA Asbuilt Completion Report\1008501D009

ISSUE	DESCRIPTION	TECH	ENG	DATE
0	ISSUED TO AGENCIES	CHF	JET	06/28/10

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**DRAWING REFERENCE(S):**  
ORIGINAL SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. AND USGS 10m DIGITAL ELEVATION MODELS (DEM).

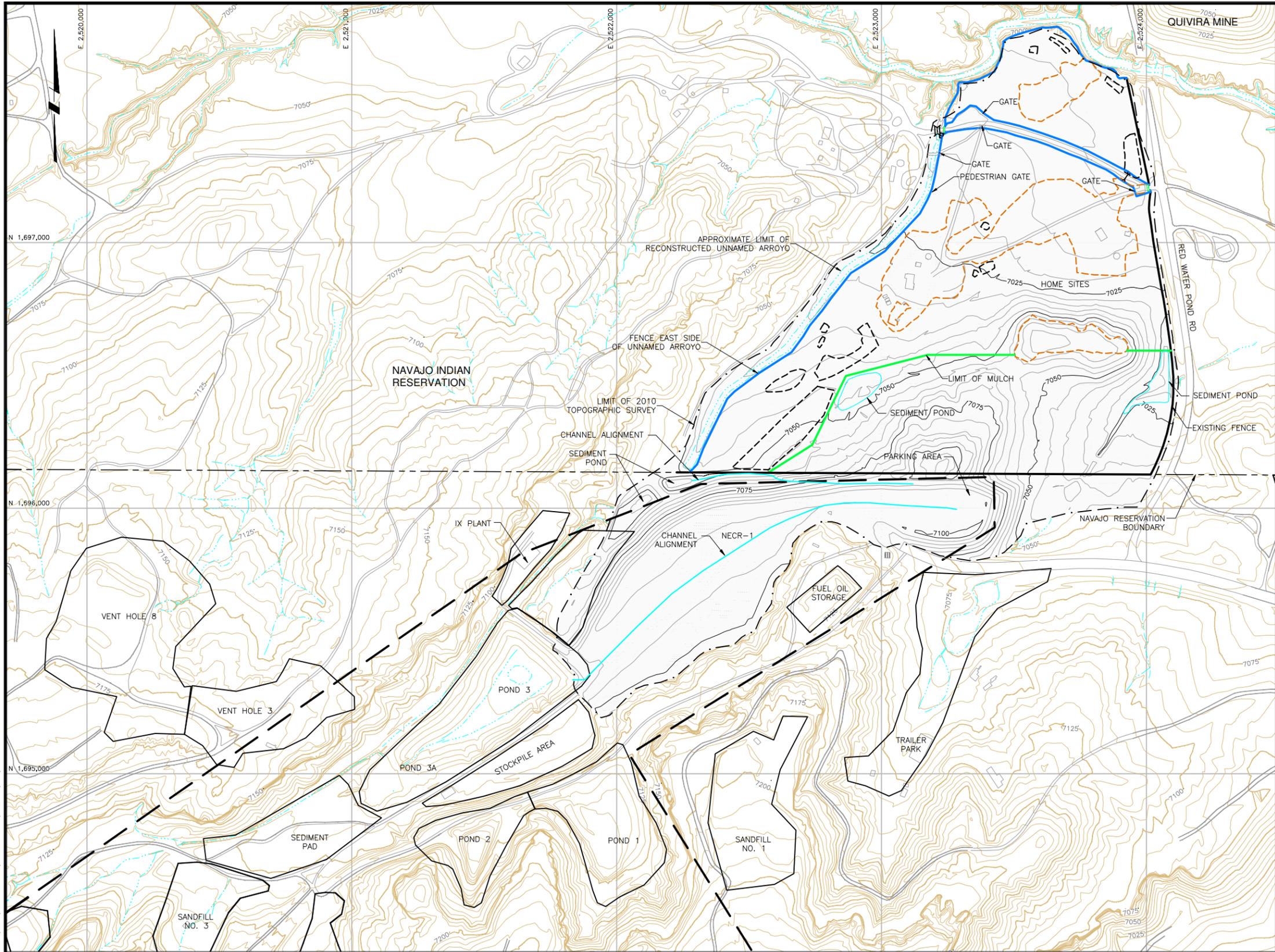
**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
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CLIENT REFERENCE NO.		



PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	ORIGINAL CONDITIONS	

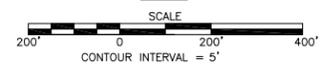
	DRAWING	2 of 9	REVISION	0
	FILE NAME	1008501D009		



**LEGEND:**

	7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
	7040 IRA REGRADE GROUND SURFACE CONTOUR & ELEVATION, FEET
	LIMIT OF 2010 TOPOGRAPHIC SURVEY
	PERMIT BOUNDARY
	FACILITY BOUNDARY
	APPROXIMATE NAVAJO RESERVATION BOUNDARY
	ROADS
	NATURAL DRAINAGE
	INTERIM REMOVAL ACTION EXCAVATION BOUNDARY
	DEEP EXCAVATION BOUNDARY
	EXISTING FENCE
	NEW FENCE
	LIMIT OF MULCH
	CHANNEL ALIGNMENT
	PHYSICAL STRUCTURE
	CULVERTS
	CATTLE GUARD

**PLAN**



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ISSUE	DESCRIPTION	TECH	ENG	DATE
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2. FINAL SURFACE TOPOGRAPHY SURVEY DATA PROVIDED BY MORRIS SURVEYING ENGINEERING, LLC, DATED MAY, 2010.  
ORIGINAL FILES LOCATED AT:  
\\USSBS1S01\CAD\_ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS\_0-2\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012T0P03-MAY 24.DWG

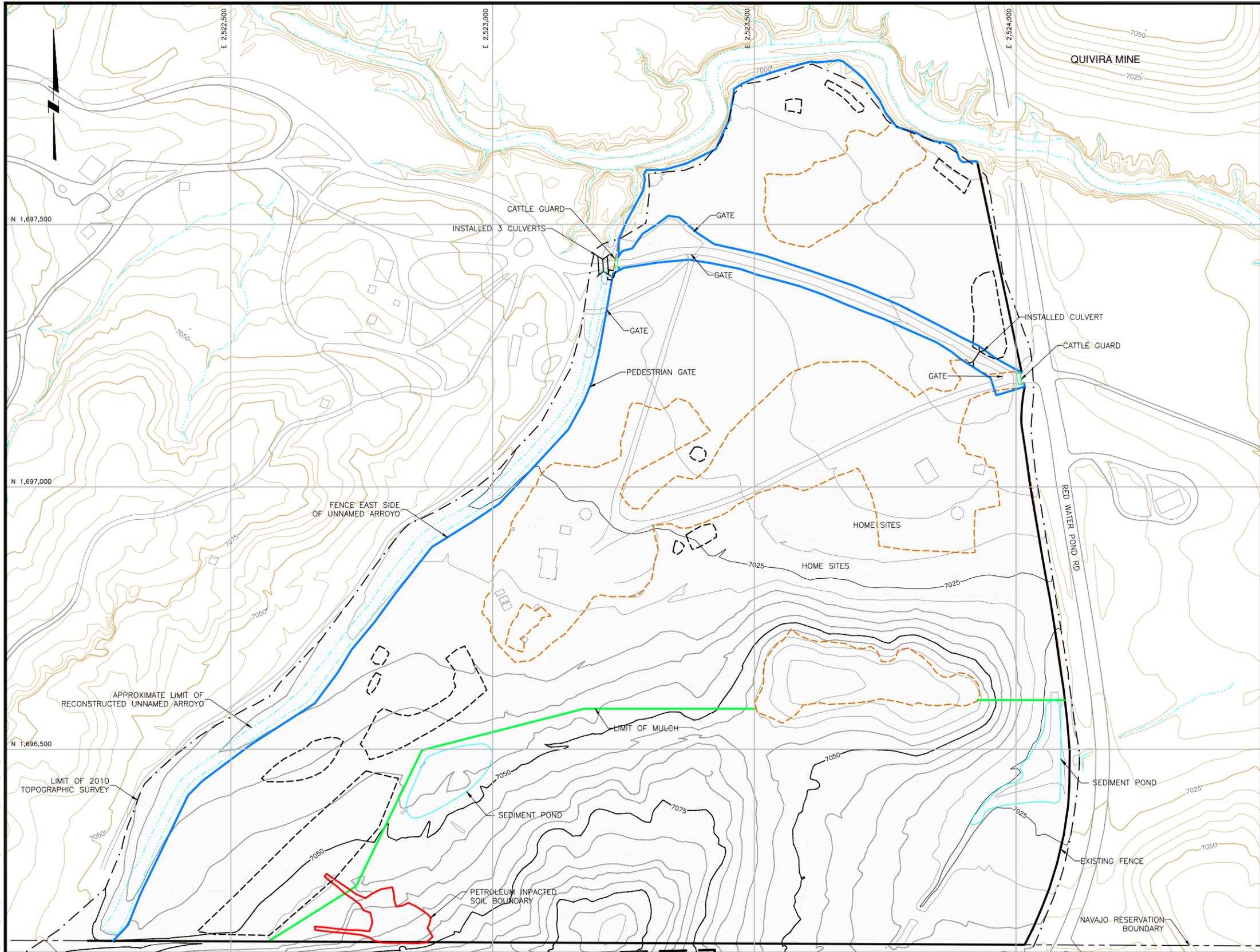
**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
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APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		



PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	FINAL CONDITIONS	

	DRAWING	3 of 9	REVISION	0
	FILE NAME	1008501D010		



**LEGEND:**

	7040	PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
	7040	IRA REGRADE GROUND SURFACE CONTOUR & ELEVATION, FEET
		LIMIT OF 2010 TOPOGRAPHIC SURVEY
		PERMIT BOUNDARY
		FACILITY BOUNDARY
		APPROXIMATE NAVAJO RESERVATION BOUNDARY
		ROADS
		NATURAL DRAINAGE
		INTERIM REMOVAL ACTION EXCAVATION BOUNDARY
		DEEP EXCAVATION BOUNDARY
		EXISTING FENCE
		NEW FENCE
		LIMIT OF MULCH
		CHANNEL ALIGNMENT
		PETROLEUM IMPACTED SOIL BOUNDARY
		PHYSICAL STRUCTURE
		CULVERTS
		CATTLE GUARD

**PLAN**



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ISSUE	DESCRIPTION	TECH	ENG	DATE
0	ISSUED TO AGENCIES	CHF	JET	06/28/10

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ORIGINAL FILES LOCATED AT:  
\\USSBS1S01\CAD\_ENG\ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS\_0-2\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012TOPO3-MAY 24.DWG

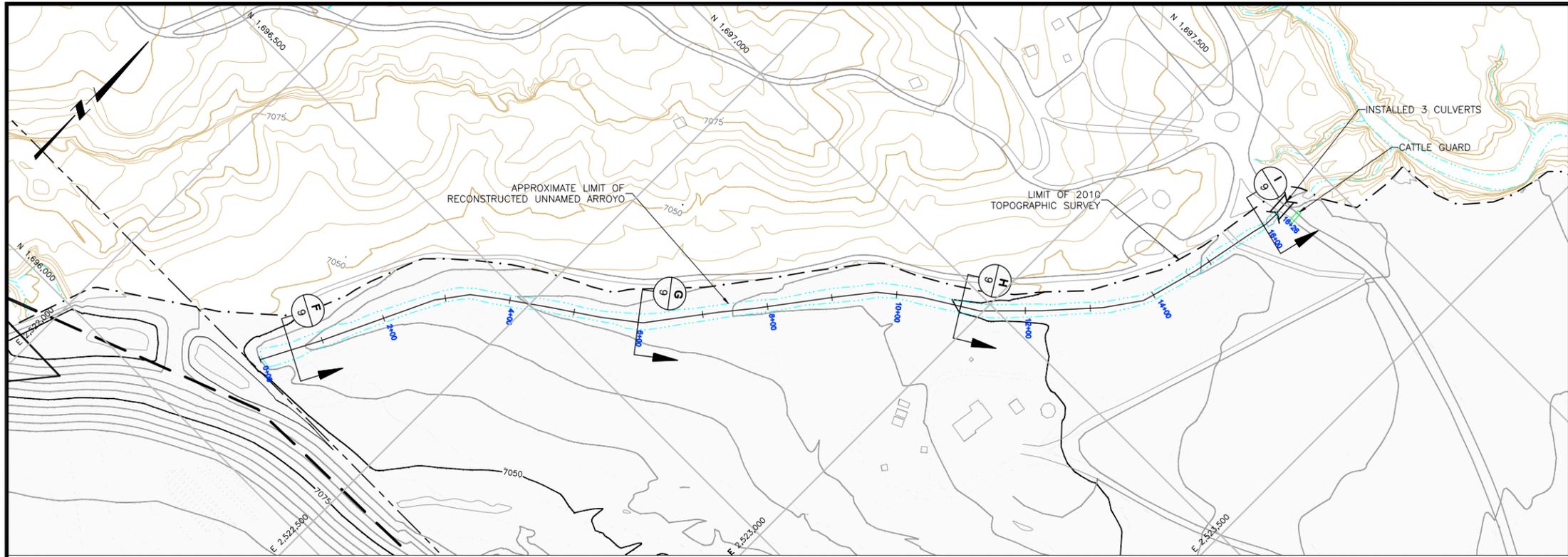
**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
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CLIENT REFERENCE NO.		



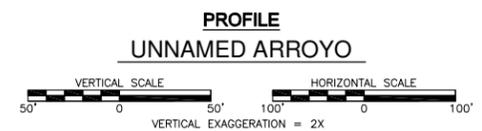
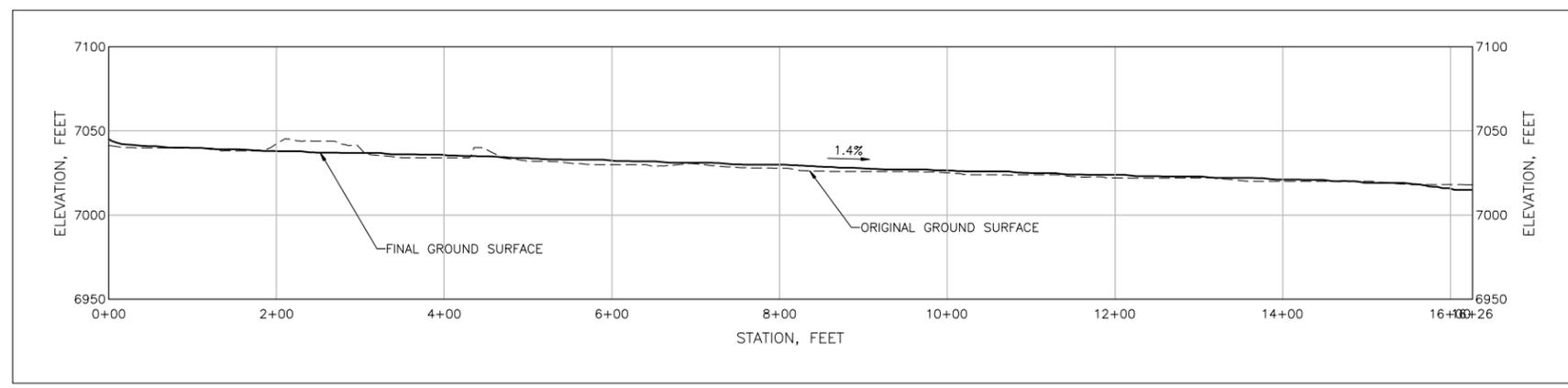
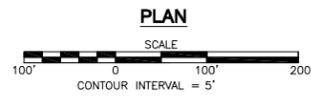
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PROJECT	IRA COMPLETION REPORT	
TITLE	DETAILED FINAL CONDITIONS STEP OUT AREA	

	DRAWING	4 of 9	REVISION	0
	FILE NAME	1008501D012		



**LEGEND:**

- 7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
- 7040 IRA REGRADE GROUND SURFACE CONTOUR & ELEVATION, FEET
- LIMIT OF 2010 TOPOGRAPHIC SURVEY
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE NAVAJO RESERVATION BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE
- CULVERTS
- CATTLE GUARD



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ISSUE	DESCRIPTION	TECH	ENG	DATE
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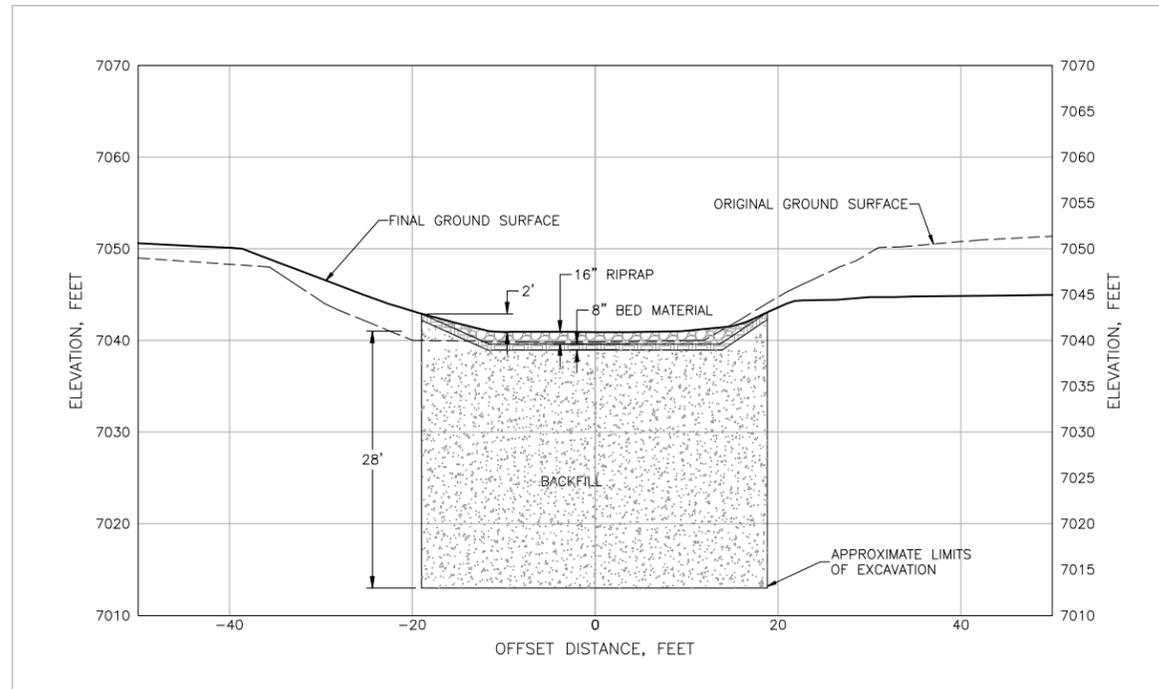
**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
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PROJECT MANAGER	T. LEESON	06/28/10
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CLIENT REFERENCE NO.		

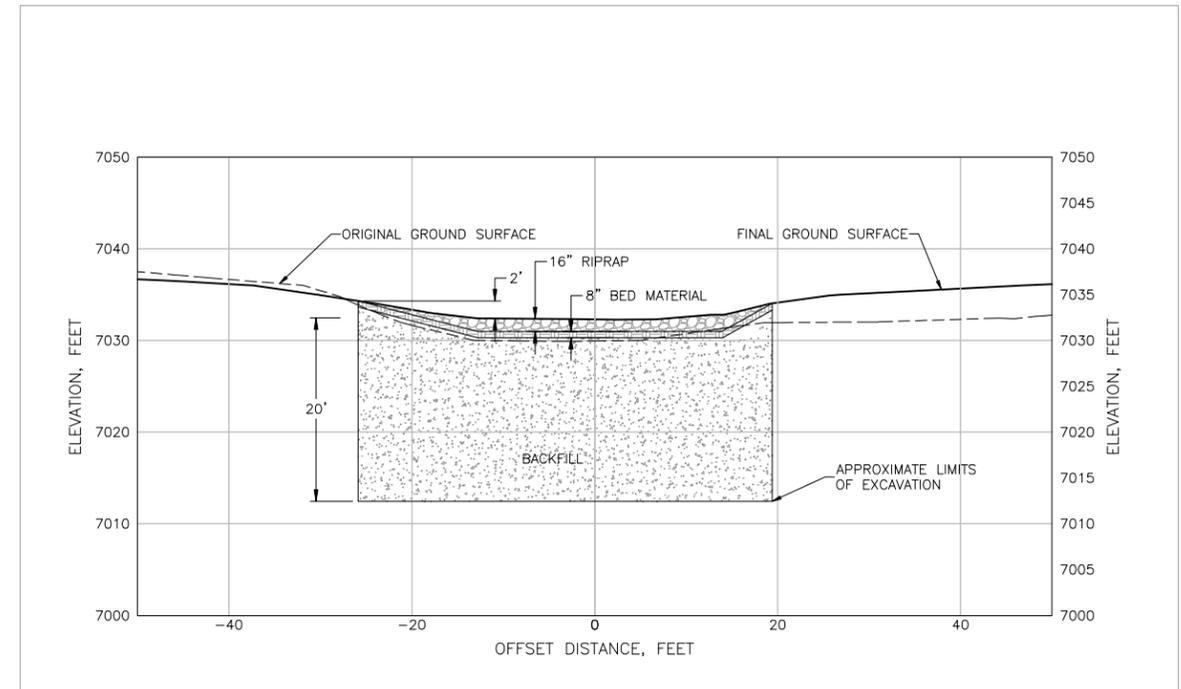


PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	PLAN AND PROFILE UNNAMED ARROYO	

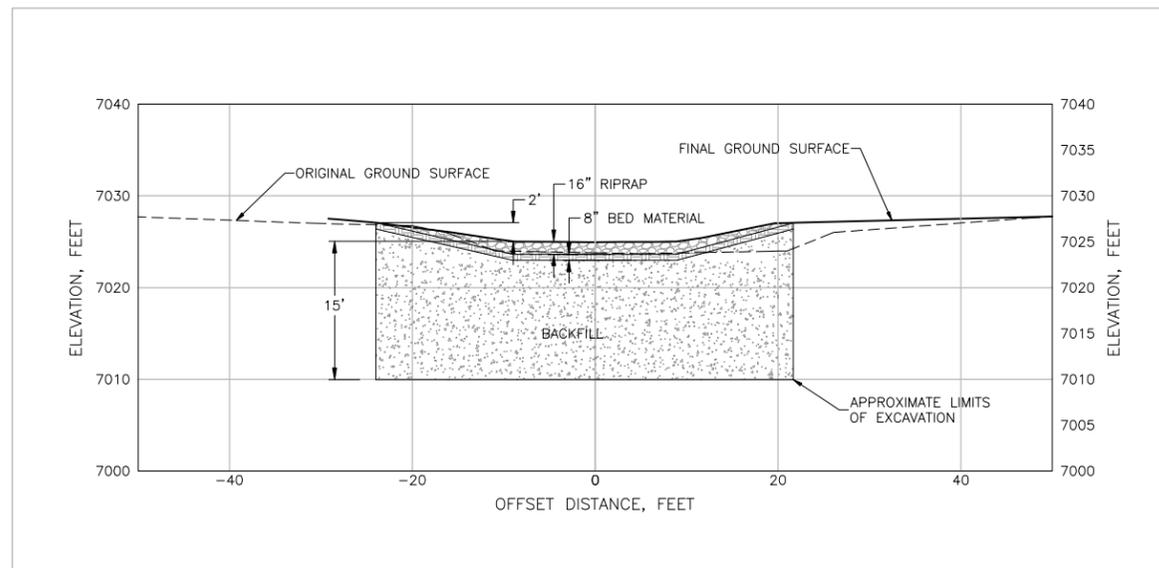
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	FILE NAME	1008501D014		



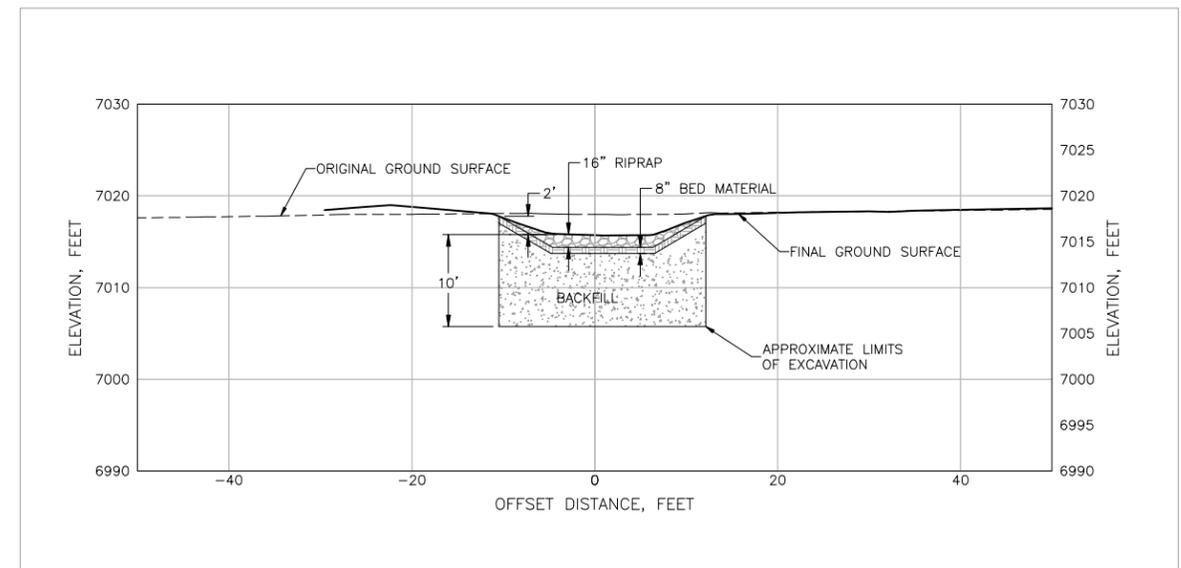
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**STATION 0+50**



**SECTION G**  
**STATION 6+00**



**SECTION H**  
**STATION 11+00**



**SECTION I**  
**STATION 16+00**



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ISSUE	DESCRIPTION	TECH	ENG	DATE
REV				

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ORIGINAL FILES LOCATED AT:  
\\USSBS1S01\CAD\_ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS\_0-2\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012T0P03-MAY 24.DWG

**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
CLIENT APPROVAL		
CLIENT REFERENCE NO.		

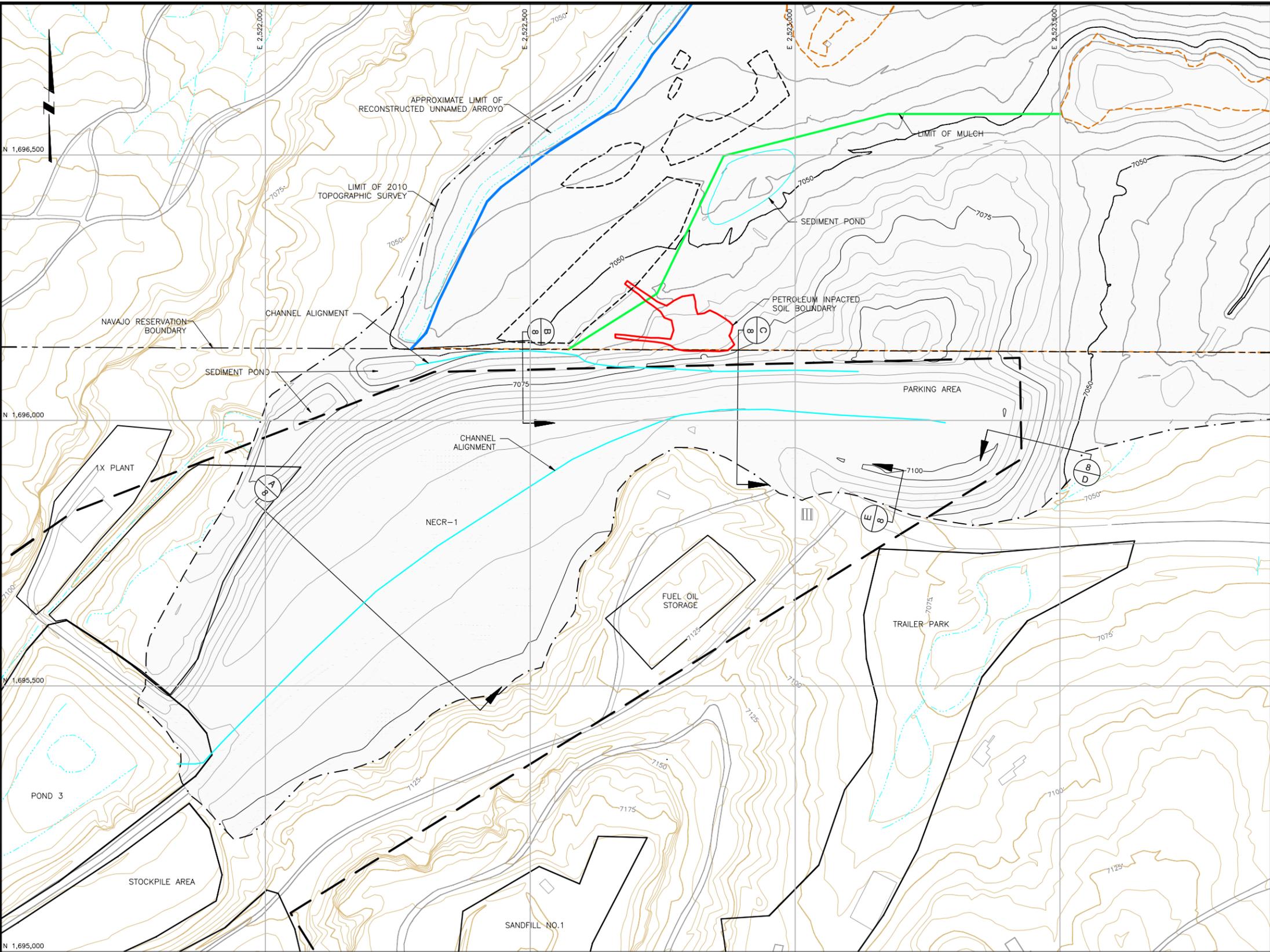


P.O. BOX 3077  
Gallup, New Mexico 87305-3077

PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	UNNAMED ARROYO SECTIONS	
DRAWING	6 of 9	REVISION 0
FILE NAME	1008501D015	



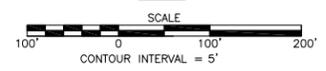
N:\Design-Drafting\Clients\_0-2\United Nuclear Corporation\NECR\013-Sheet Set\IRA Asbuilt Completion Report\1008501D011



**LEGEND:**

- 7040 PRE-IRA GROUND SURFACE CONTOUR & ELEVATION, FEET
- 7040 IRA REGRADE GROUND SURFACE CONTOUR & ELEVATION, FEET
- - - - - LIMIT OF 2010 TOPOGRAPHIC SURVEY
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- - - - - APPROXIMATE NAVAJO RESERVATION BOUNDARY
- ROADS
- NATURAL DRAINAGE
- - - - - INTERIM REMOVAL ACTION EXCAVATION BOUNDARY
- - - - - DEEP EXCAVATION BOUNDARY
- EXISTING FENCE
- NEW FENCE
- LIMIT OF MULCH
- CHANNEL ALIGNMENT
- PETROLEUM IMPACTED SOIL BOUNDARY
- PHYSICAL STRUCTURE
- CULVERTS
- CATTLE GUARD

**PLAN**



ISSUE	DESCRIPTION	TECH	ENG	DATE
0	ISSUED TO AGENCIES	CHF	JET	06/28/10

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 ORIGINAL FILES LOCATED AT:  
 \\USSBS1S01\CAD\_ENGINEERING\_SUPPORT\DESIGN-DRAFTING\CLIENTS\_0-2\UNITED NUCLEAR CORPORATION\NECR\009-DRAWINGS FROM SUBCONTRACTORS\NECR IRA ASBUILT SURVEY\96012TOP03-MAY 24.DWG

**PROJECTION:**  
 STATE PLANE COORDINATES  
 ZONE:  
 NEW MEXICO WEST  
 DATUM:  
 NAD 83  
 UNITS:  
 US FEET

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DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
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CLIENT REFERENCE NO.		



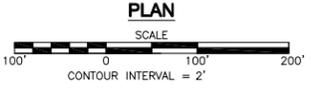
PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	DETAILED FINAL CONDITIONS NECR-1	

	DRAWING	7 of 9	REVISION	0
	FILE NAME	1008501D011		



**LEGEND:**  
 -10 ISOPACH CUT  
 10 ISOPACH FILL  
 REGRADE BOUNDARY

VOLUME TABLE			
NAME	VOLUME CUT (C.Y.)	VOLUME FILL (C.Y.)	NET (C.Y.)
NECR-1	22,540	182,915	FILL: 160,375



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**PROJECTION:**  
 STATE PLANE COORDINATES  
 ZONE:  
 NEW MEXICO WEST  
 DATUM:  
 NAD 83  
 UNITS:  
 US FEET

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CLIENT REFERENCE NO.		

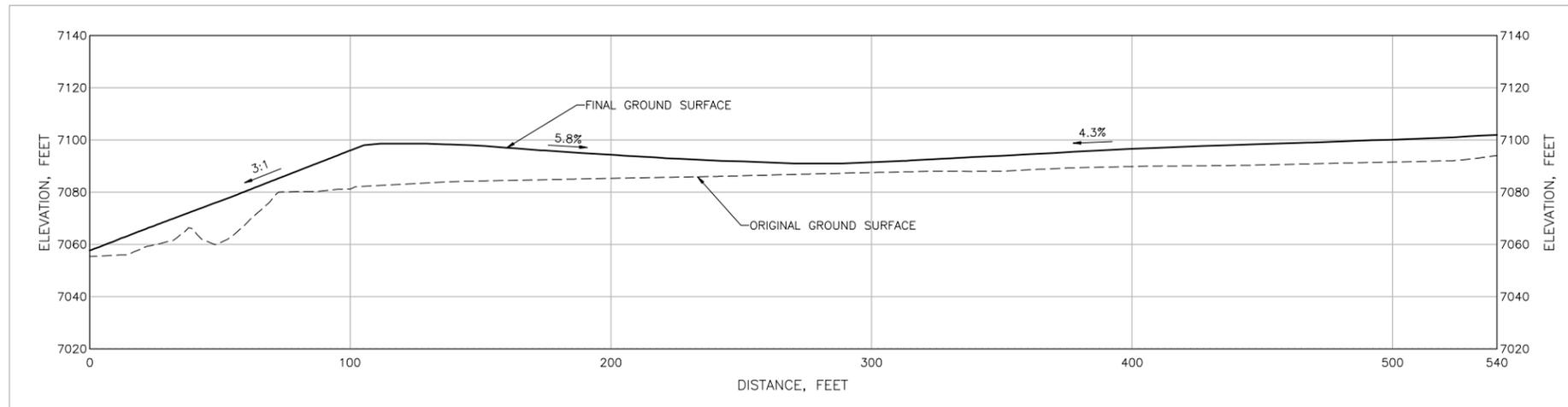


PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	CUT-FILL ISOPACH NECR-1	

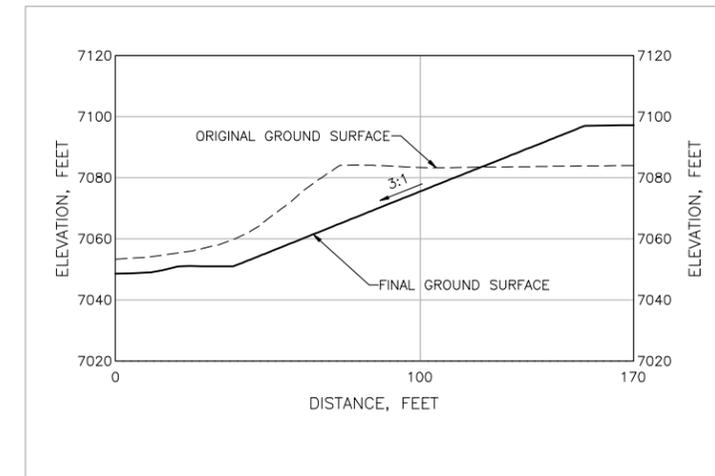
DRAWING	8 of 9	REVISION	0
	FILE NAME	1008501D013	



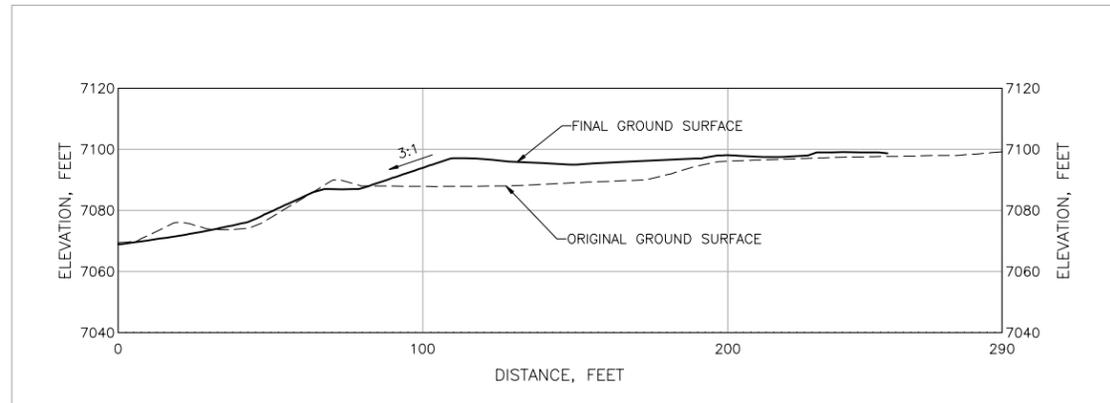
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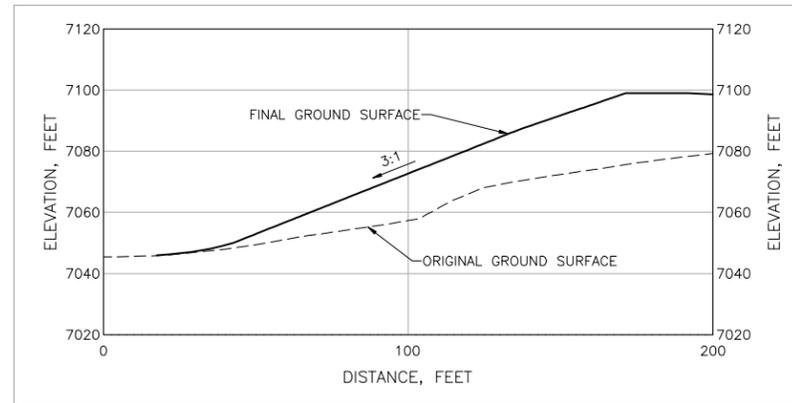
**SECTION A**  
NECR-1 WEST



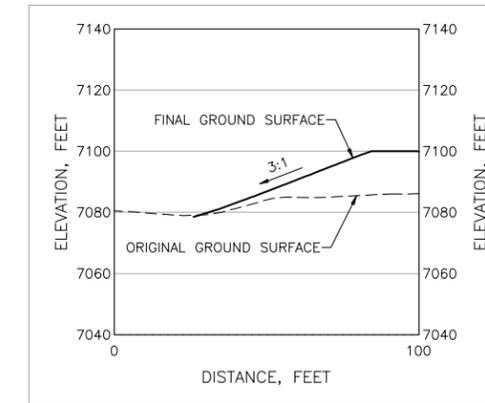
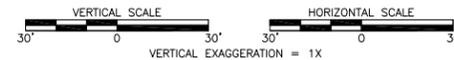
**SECTION B**  
NECR-1 NORTHWEST



**SECTION C**  
NECR-1 NORTH



**SECTION D**  
NECR-1 NORTHEAST



**SECTION E**  
NECR-1 SOUTH



ISSUE	DESCRIPTION	CHG	JET	DATE
0	ISSUED TO AGENCIES	CHF	JET	06/28/10
REV	DESCRIPTION	TECH	ENG	DATE

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**DRAWING REFERENCE(S):**  
1. ORIGINAL SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. AND USGS 10m DIGITAL ELEVATION MODELS (DEM).  
2. FINAL SURFACE TOPOGRAPHY SURVEY DATA PROVIDED BY MORRIS SURVEYING ENGINEERING, LLC, DATED MAY, 2010.  
ORIGINAL FILES LOCATED AT:  
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**PROJECTION:**  
STATE PLANE COORDINATES  
ZONE:  
NEW MEXICO WEST  
DATUM:  
NAD 83  
UNITS:  
US FEET

DESIGNED BY	J. THOMPSON	06/28/10
DRAWN BY	C. FOWLER	06/28/10
CHECKED BY	E. MARKS	06/28/10
APPROVED BY	J. THOMPSON	06/28/10
PROJECT MANAGER	T. LEESON	06/28/10
CLIENT APPROVAL	XXX	
CLIENT REFERENCE NO.		



PROJECT LOCATION	NORTHEAST CHURCH ROCK MINE	
PROJECT	IRA COMPLETION REPORT	
TITLE	NECR-1 PILE SECTIONS	

DRAWING	9 of 9	REVISION	0
	FILE NAME	1008501D016	