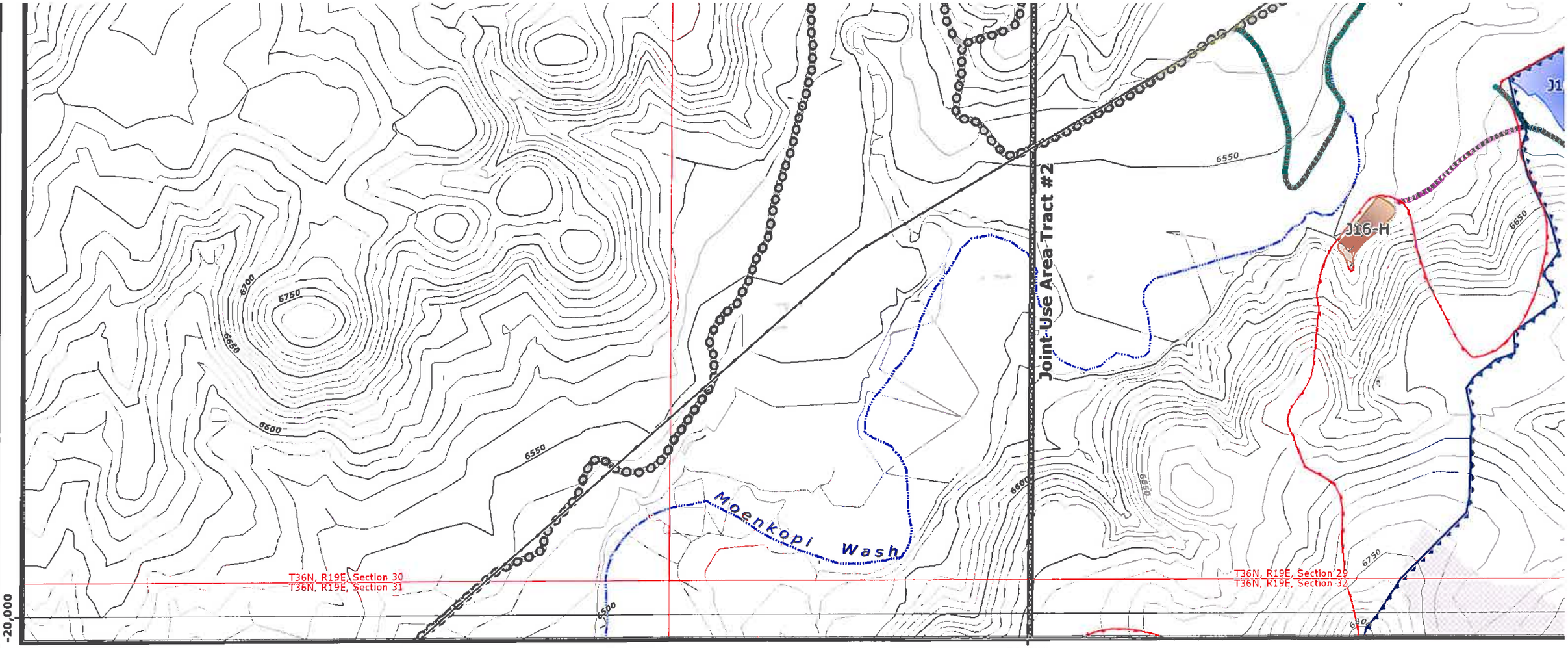


ENGINEER'S CERTIFICATION

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18782
JAMES G. SCHLENVOGT
DATE SIGNED
ARIZONA, U.S.A.
Expires 06/30/2010

James G. Schlenvogt

James G. Schlenvogt
Engineering Manager
Peabody Western Coal Company

SEP 25 2008
Date

MAP REVISIONS

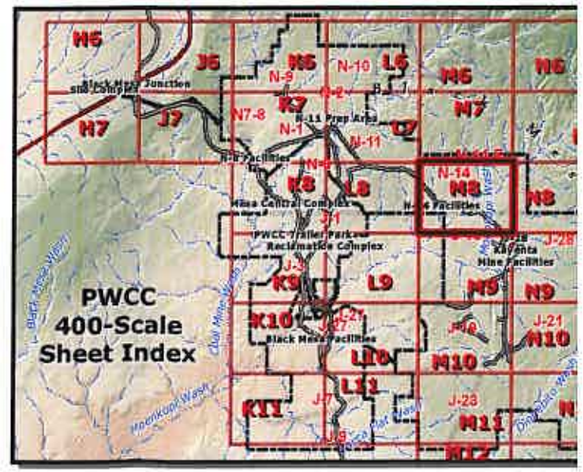
CHK'D	DATE	DESCRIPTION
JGS	Jan 14, 2005	N09 5 Year Mineplan Rev
JGS	Jun 15, 2005	N09 Facilities Revision
JGS	Sep 30, 2005	N09 & N06 Facilities Revision
JGS	Dec 15, 2005	N09 Sequence Revision
JGS	Jan 20, 2006	OSM Response
JGS	Feb 4, 2006	N06 Road As-Built Response
JGS	Feb 24, 2006	N09 Facilities Revision
GW	Apr 12, 2006	TCPs and Roads Revision
JGS	May 9, 2006	N09 Road As-Built
JGS	Jul 12, 2006	Airport Rd / WW6 Waterline Revision
JGS	Aug 30, 2006	Road Alignment Revision
JGS	Dec 21, 2007	Software Upgrade / Mine-wide feature updates
JGS	Apr 25, 2008	Airport Revision
JGS	Jun 17, 2008	OSM Response

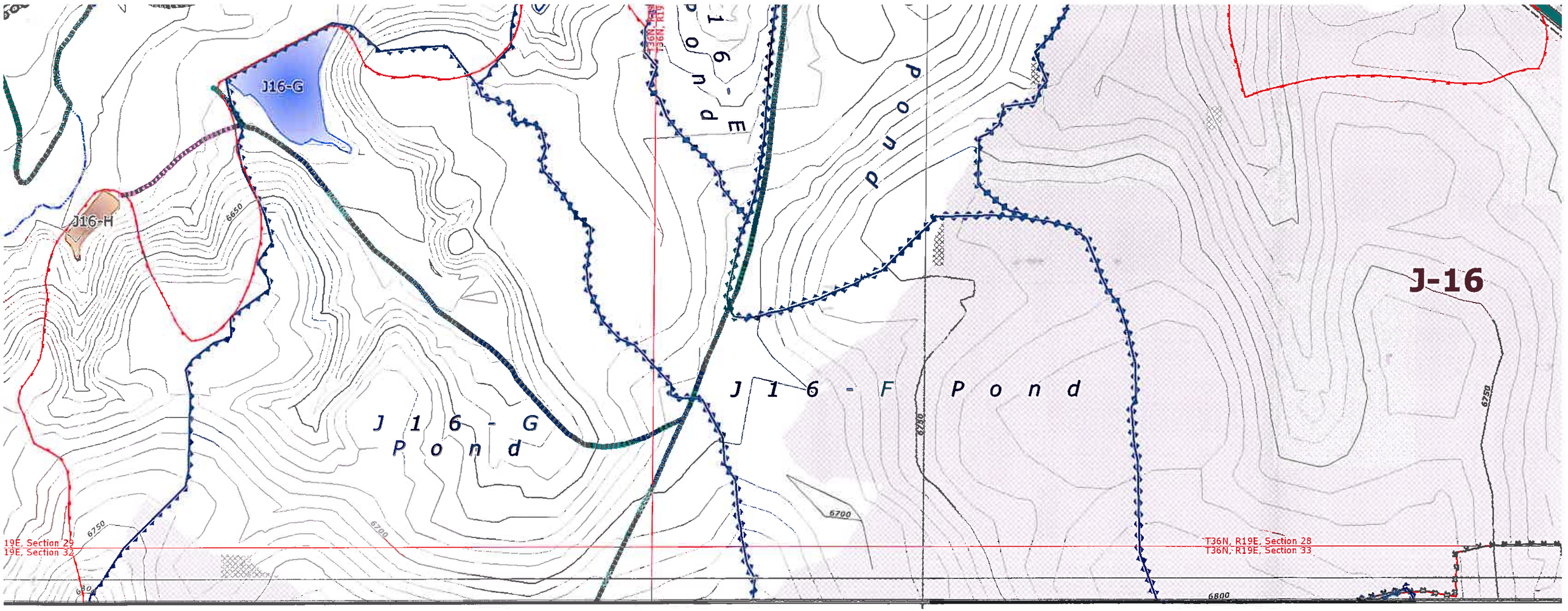
85400 NOTES:

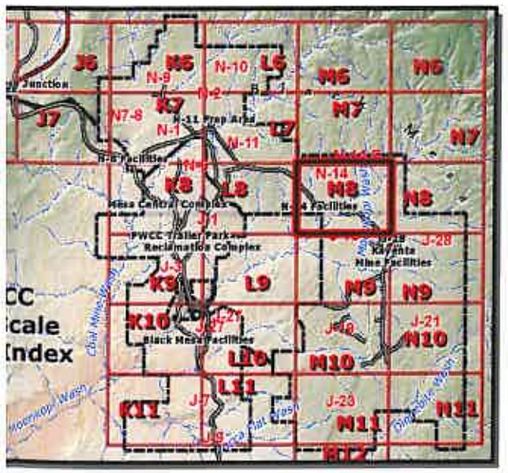
1. SEE DRAWING NO. 85360 FOR THE MINING AFFECTED LANDS.
2. SEE DRAWING NO. 85405 FOR THE GENERAL LOCATION OF THESE STRUCTURES.
3. SEE DRAWING NO. 85460-85490 FOR THE MINE SUPPORT FACILITIES MAP.
4. SEE DRAWING NO. 93500 FOR THE LOCATION OF THE ENVIRONMENTAL MONITORING SITES.
5. SEE CHAPTERS 6-7 AND 20-26 FOR INFORMATION ON THE FACILITIES AND RECLAMATION PLAN.

"DRAINAGE DIRECTION ON FILL EMBANKMENTS ONLY APPLY WHEN MSHA SAFETY BERM EXIST".

"PRIMARY ROADS HAVE BEEN CONSTRUCTED OR RECONSTRUCTED AS DESIGNED AND IN ACCORDANCE WITH THE APPROVED PLAN."







Water Impoundment Features

- Existing
- Proposed
- Reclaimed
- Impoundment/SAE Watershed Boundary

Culvert Features

- Existing
- Proposed
- Culvert Watershed Boundary

Drainages and Diversions

- Major Drainage
- Road Drainage Direction
- Diversions

Other Water Features

- PWCC Water Line
- Navajo Water Well
- Sewage Facility / Lagoon

Transp

PWCC Permit 01

Non-Mi
Non-Mi

Mine Area Facilities and Structures

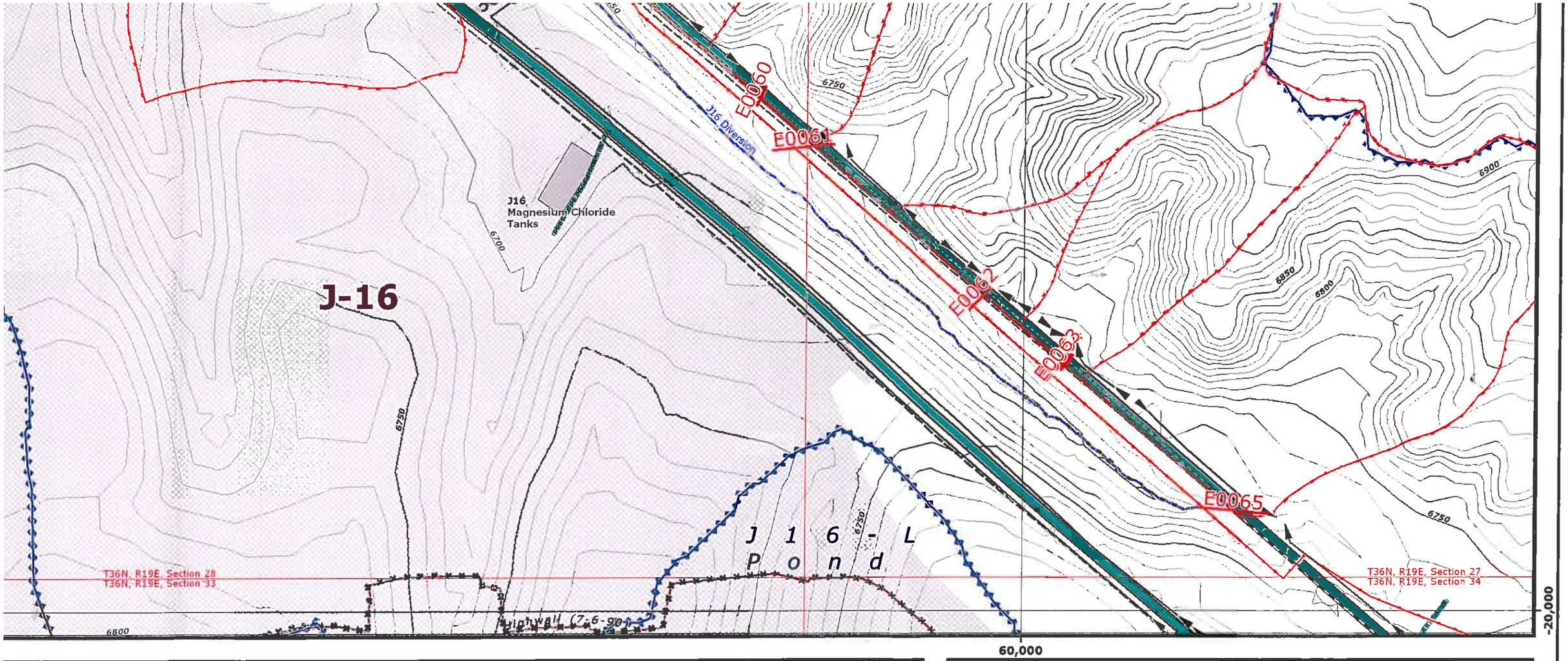
- PWCC Powerline
- Non-PWCC Powerline
- Coal Stockpile
- Scoria Pit
- Explosives Storage Facility
- PWCC Buildings and Structures
- Non-PWCC Buildings / Residences

Mining Status Data

- Future Mining Areas
- Mined-Out Areas
- Highwall (7/6/1990)

Administrative Boundaries

- 01 Permit Line
- 1D Permit Line
- PWCC Lease Line
- Pre-Law Areas
- Navajo-Hopi Partition Line



Diversions

ainage

inage Direction

s

Other Water Features

- PWCC Water Line
- Navajo Water Well
- Sewage Facility / Lagoon

Administrative Boundaries

- 01 Permit Line
- 1D Permit Line
- PWCC Lease Line
- Pre-Law Areas
- Navajo-Hopi Partition Line

Transport Features

- PWCC Conveyor
- SRP/NGS Railroad

PWCC Permit 01	PWCC Permit 1D	
		Primary Road
		Pit Ramp
		Ancillary Road

Non-Mining Related Road

Non-Mining Highway

BTCA Features

- Riprap Rock
- Rock Checkdam
- Silt Fence
- Straw Bales
- Revegetated Areas

SPCC Point Feature

Drainage Area and Facilities Map
Drawing #85400
Sheet M8

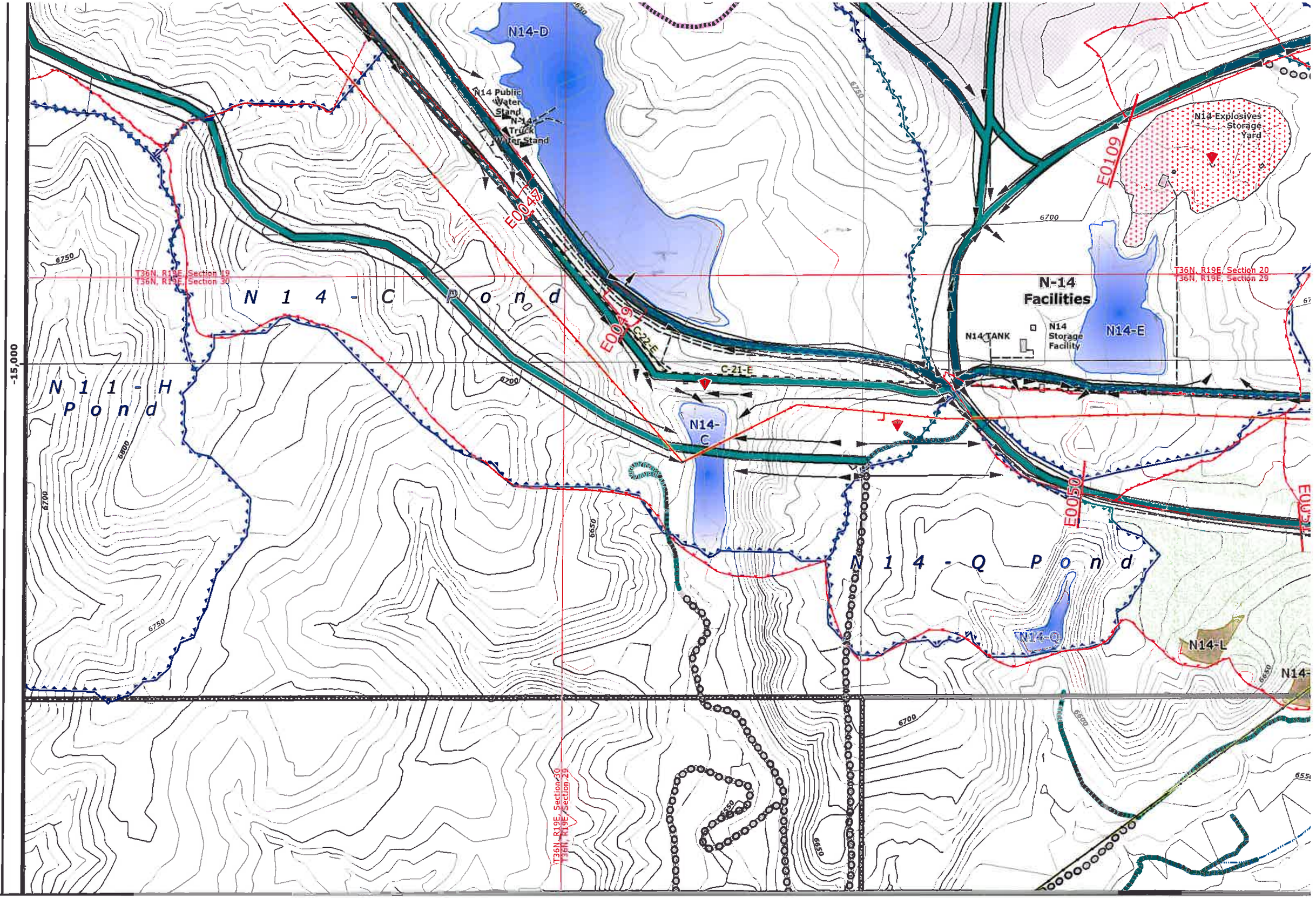
N

Produced by PWCC GIS
Sep 12, 2008

0 100 200 400 Feet
1 Inch = 400 Feet

10 foot interval
Indexes at 50 feet

PEABODY WESTERN
Black Mesa Complex
PO Box 650
Kayenta, Arizona 86033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N14 Public Water Stand
N-14 Truck Water Stand
E0047
E0049
E0109
E0050
N14-Explosives Storage Yard
T36N, R19E, Section 19
T36N, R19E, Section 30
T36N, R19E, Section 20
T36N, R19E, Section 29
N 1 4 - C P o n d
N 1 1 - H P o n d
N-14 Facilities
N14 TANK
N14 Storage Facility
N14-E
C-22-E
C-21-E
N14-C
N 1 4 - Q P o n d
N14-Q
N14-L
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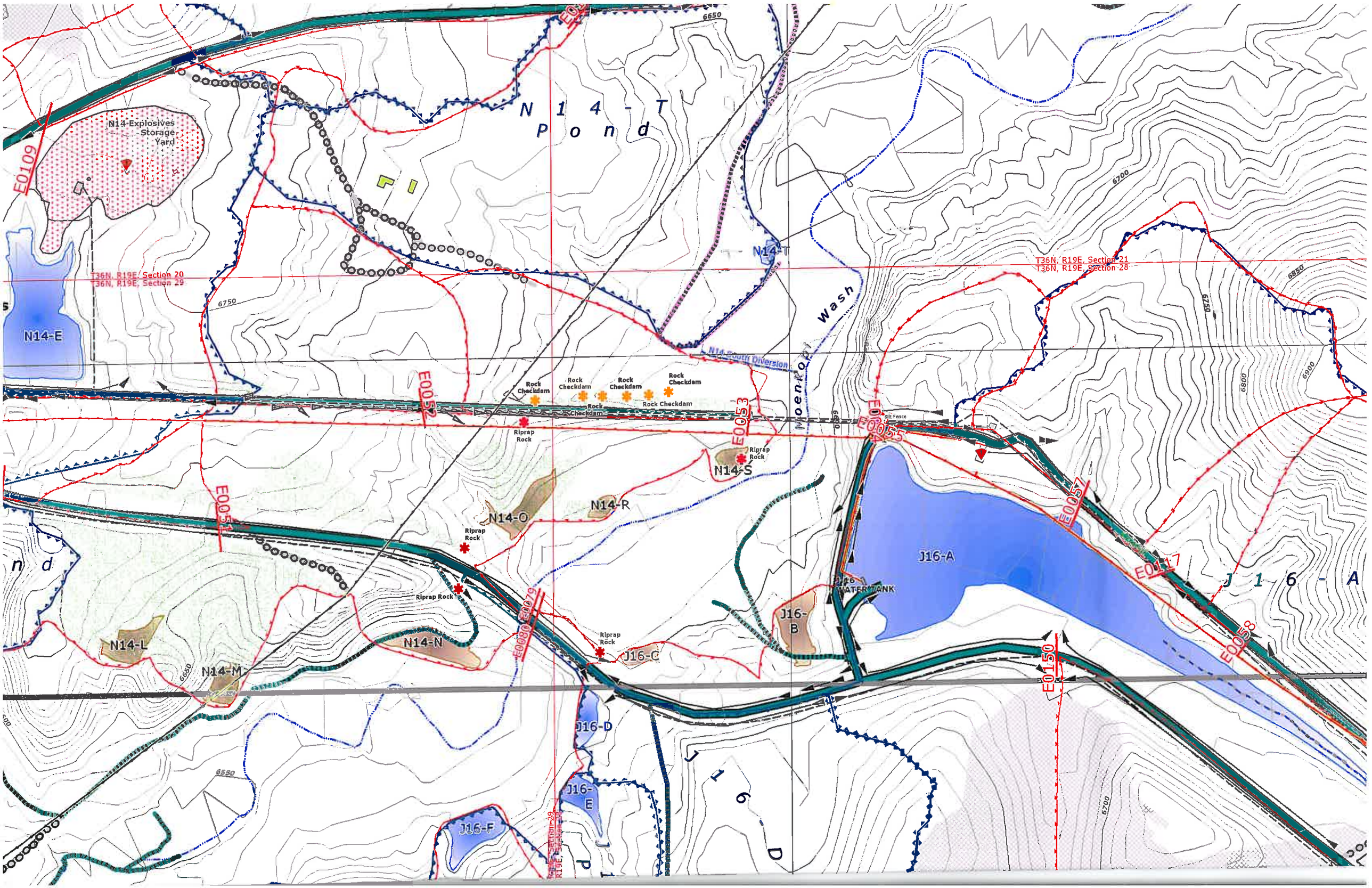
N14-Explosives Storage Yard
N 1 4 - T
P o n d
E0109
T36N, R19E, Section 20
T36N, R19E, Section 29
T36N, R19E, Section 21
T36N, R19E, Section 28
N14-E
N14-T
Moenkopi Wash
N14 South Diversion
Rock Checkdam
Riprap Rock
Silt Fence
E0052
E0053
E0055
E0054
E0057
E0117
E0058
E0150
E0080
E0079
N14-S
N14-R
N14-O
N14-L
N14-M
N14-N
J16-A
J16 WATER TANK
J16-B
J16-C
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J16-F
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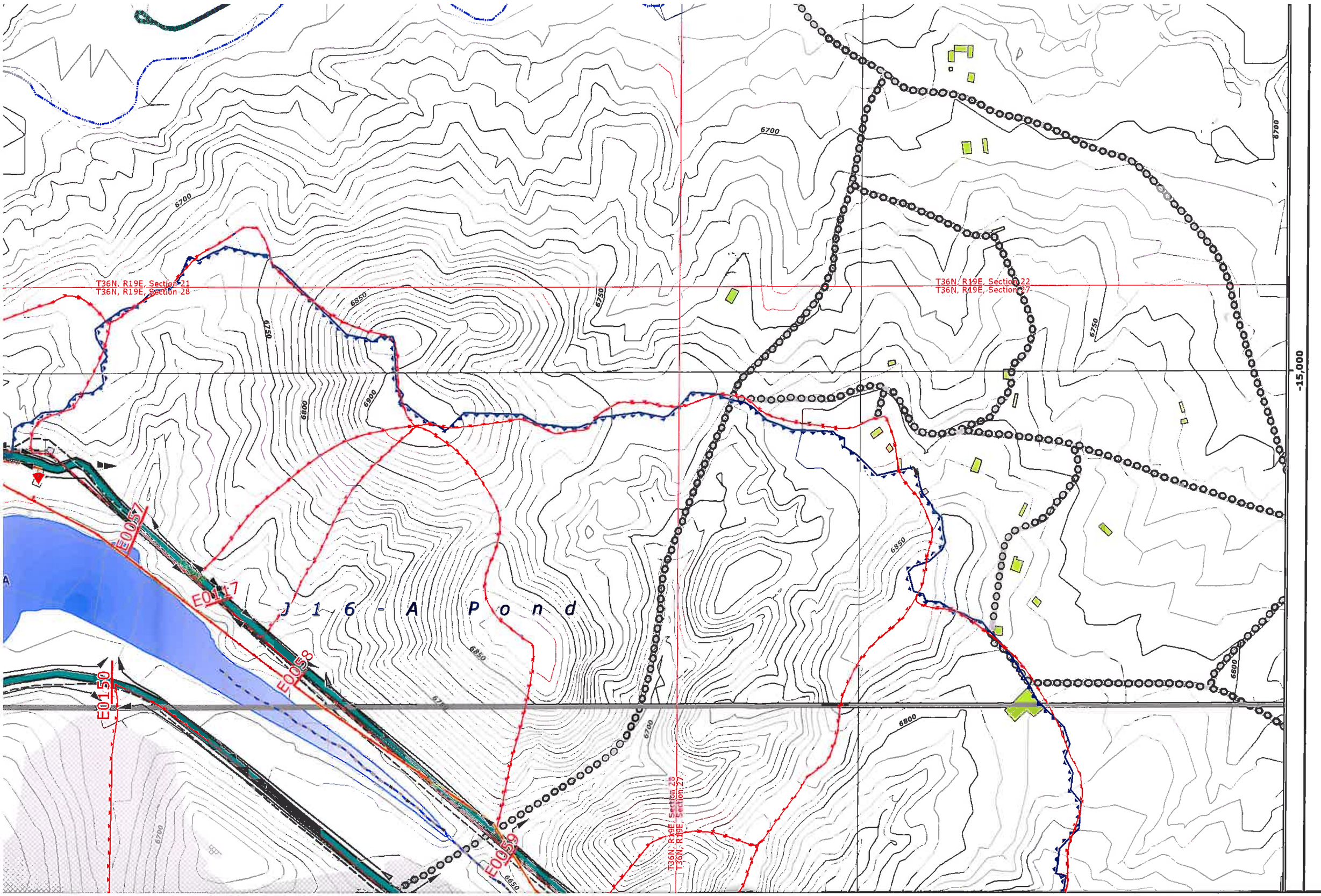
J 1 6 - A P o n d
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T36N, R19E, Section 28
T36N, R19E, Section 22
T36N, R19E, Section 27
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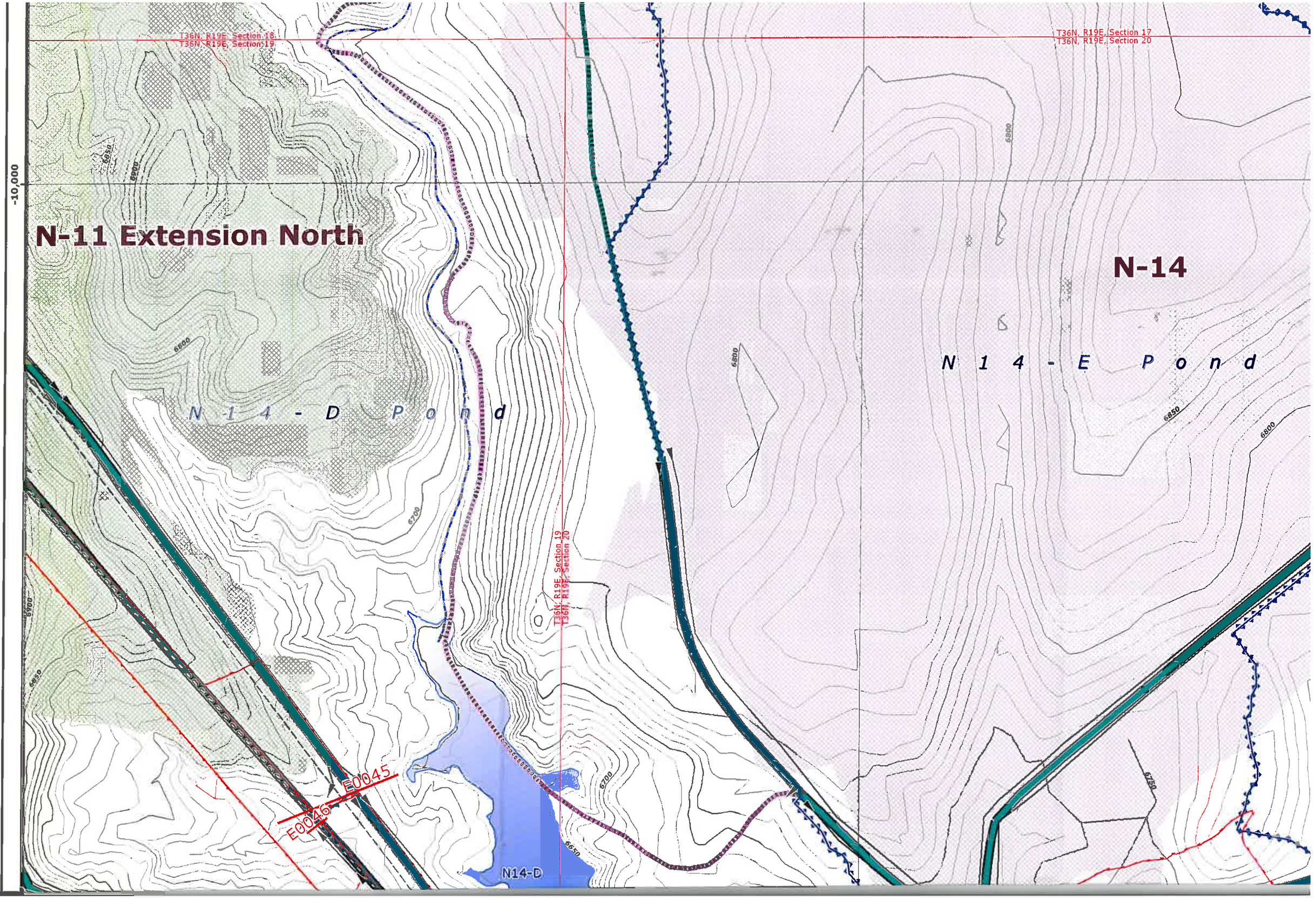
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T36N, R19E, Section 20
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N-11 Extension North
N-14
N 1 4 - D P o n d
N 1 4 - E P o n d
T36N, R19E, Section 19
T36N, R19E, Section 20
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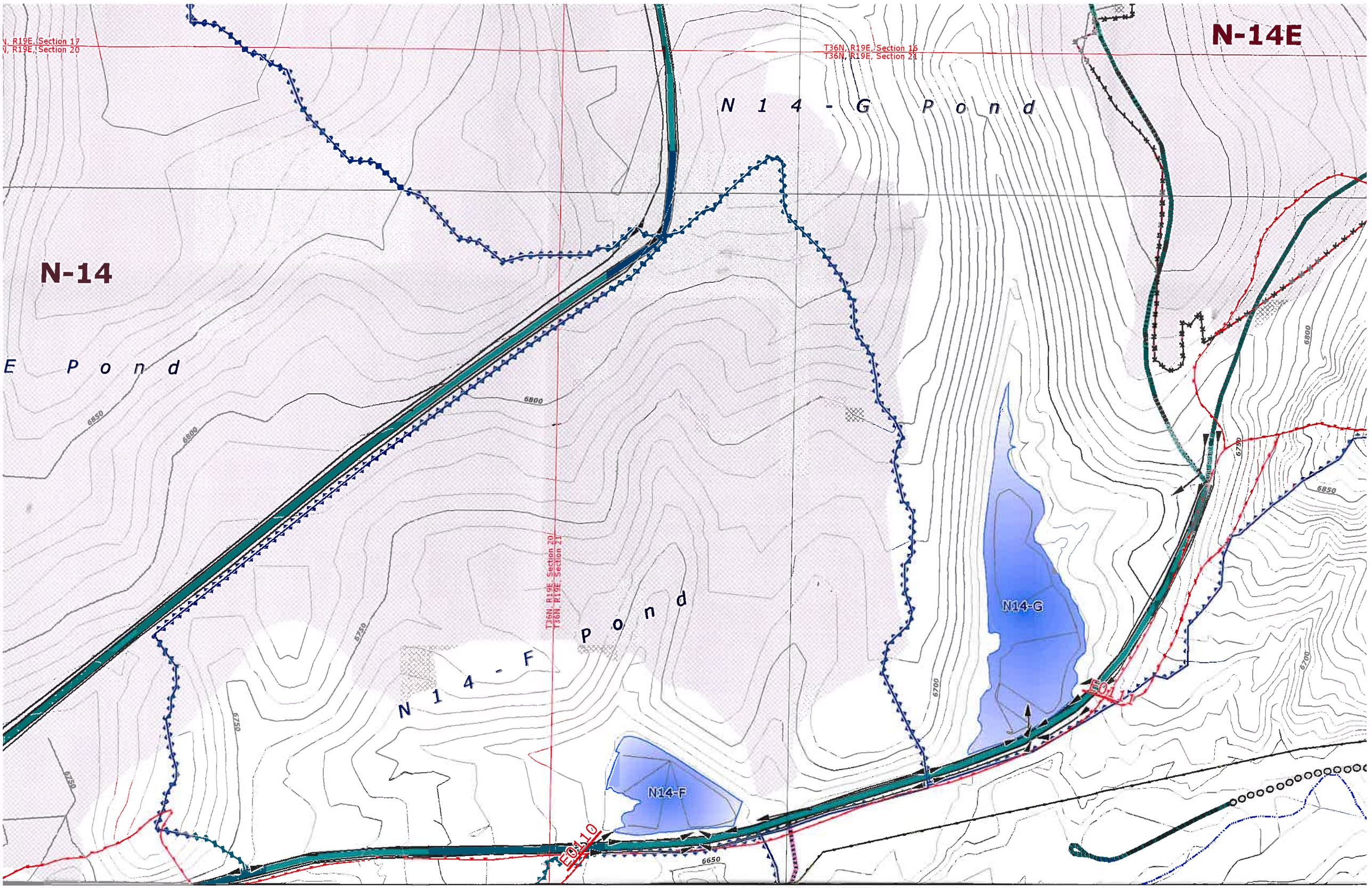
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N-14
N 1 4 - G P o n d
E P o n d
N 1 4 - F P o n d
N14-G
N14-F
EQ-11
EQ-10
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T36N, R19E, Section 21
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T36N, R19E, Section 21
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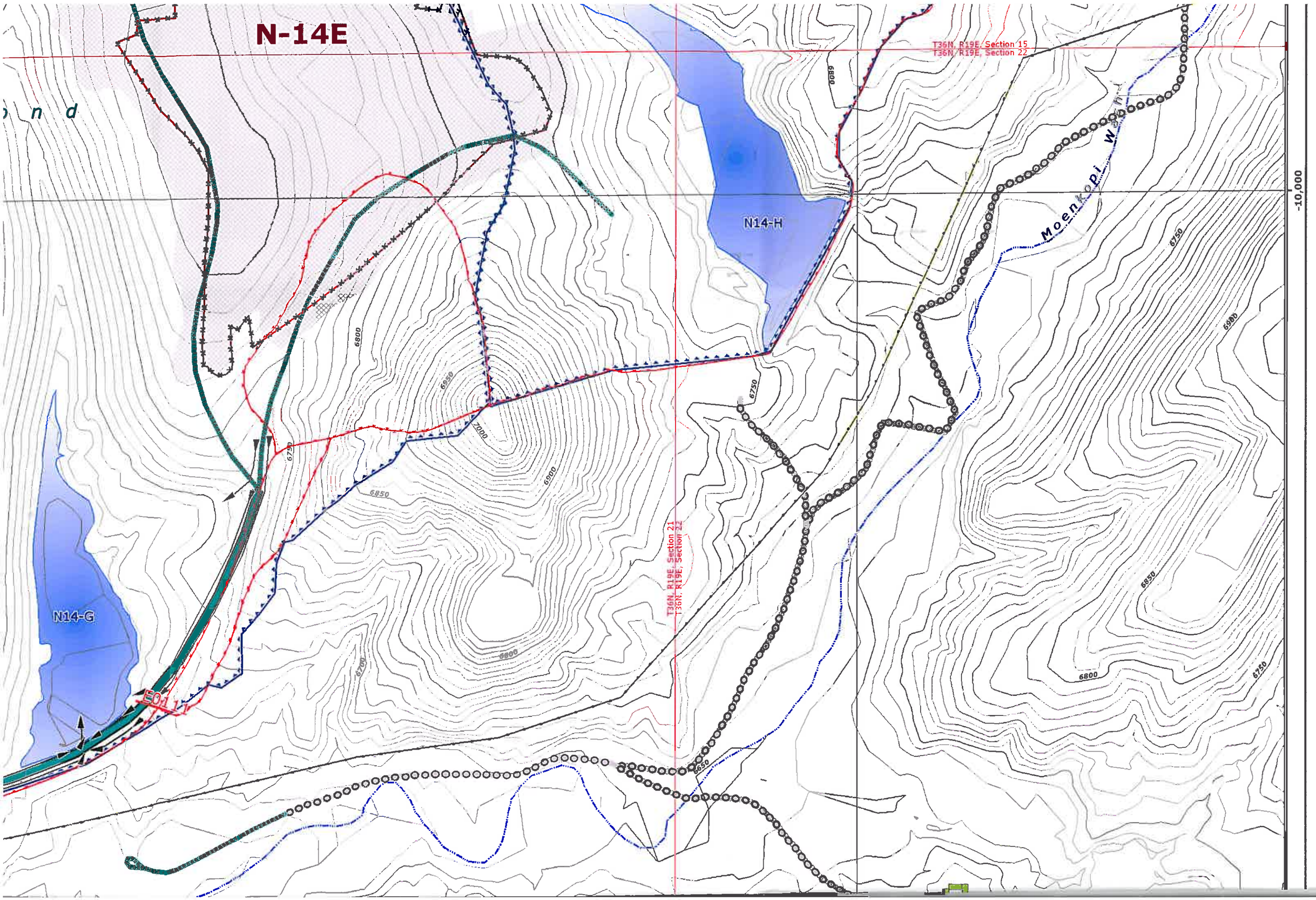
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T36N, R19E, Section 22
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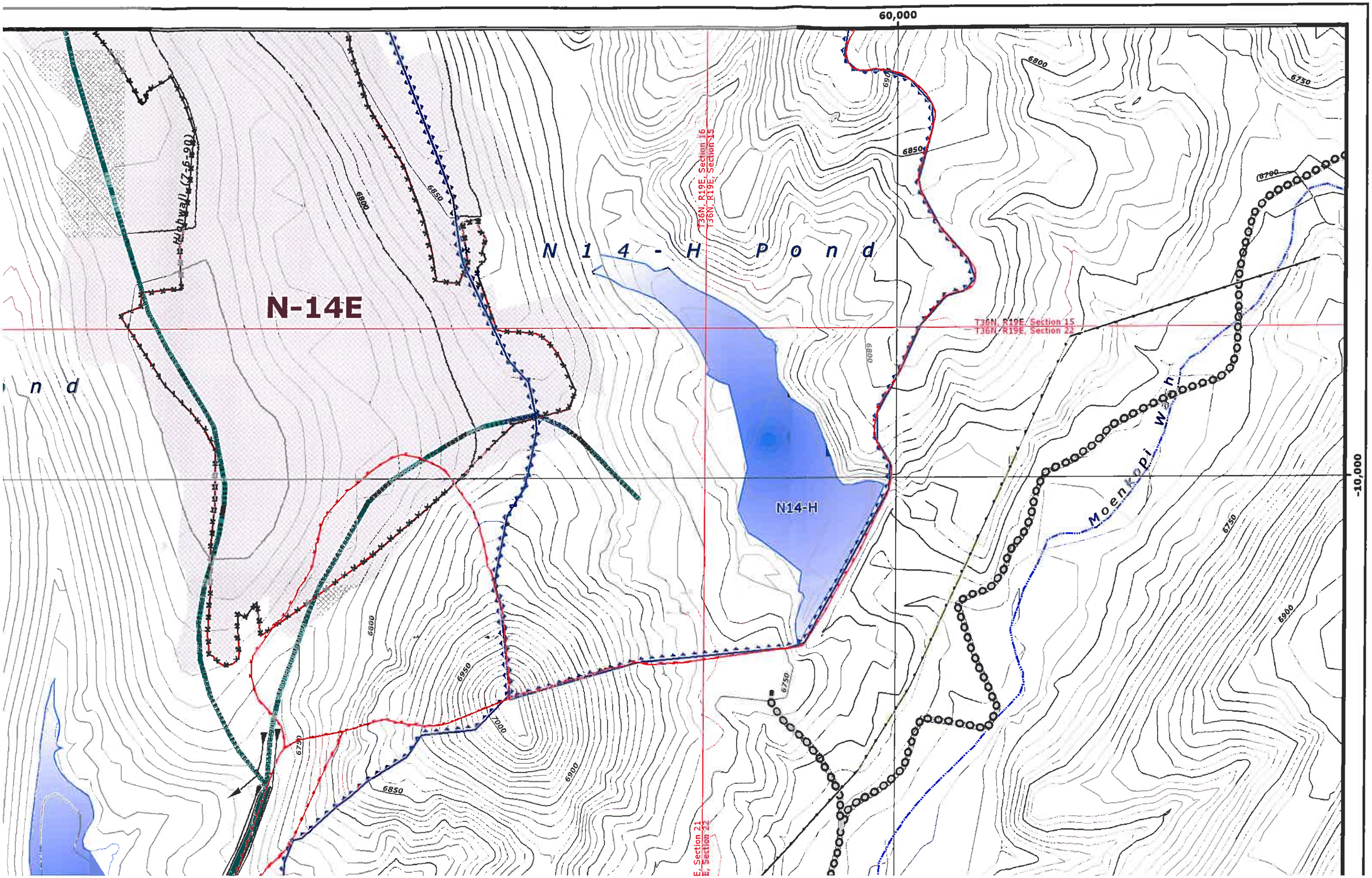
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N 1 4 - H P o n d
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Moenkopi Wash
(06-27) Hiatuh
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T36N, R19E, Section 15
T36N, R19E, Section 15
T36N, R19E, Section 22
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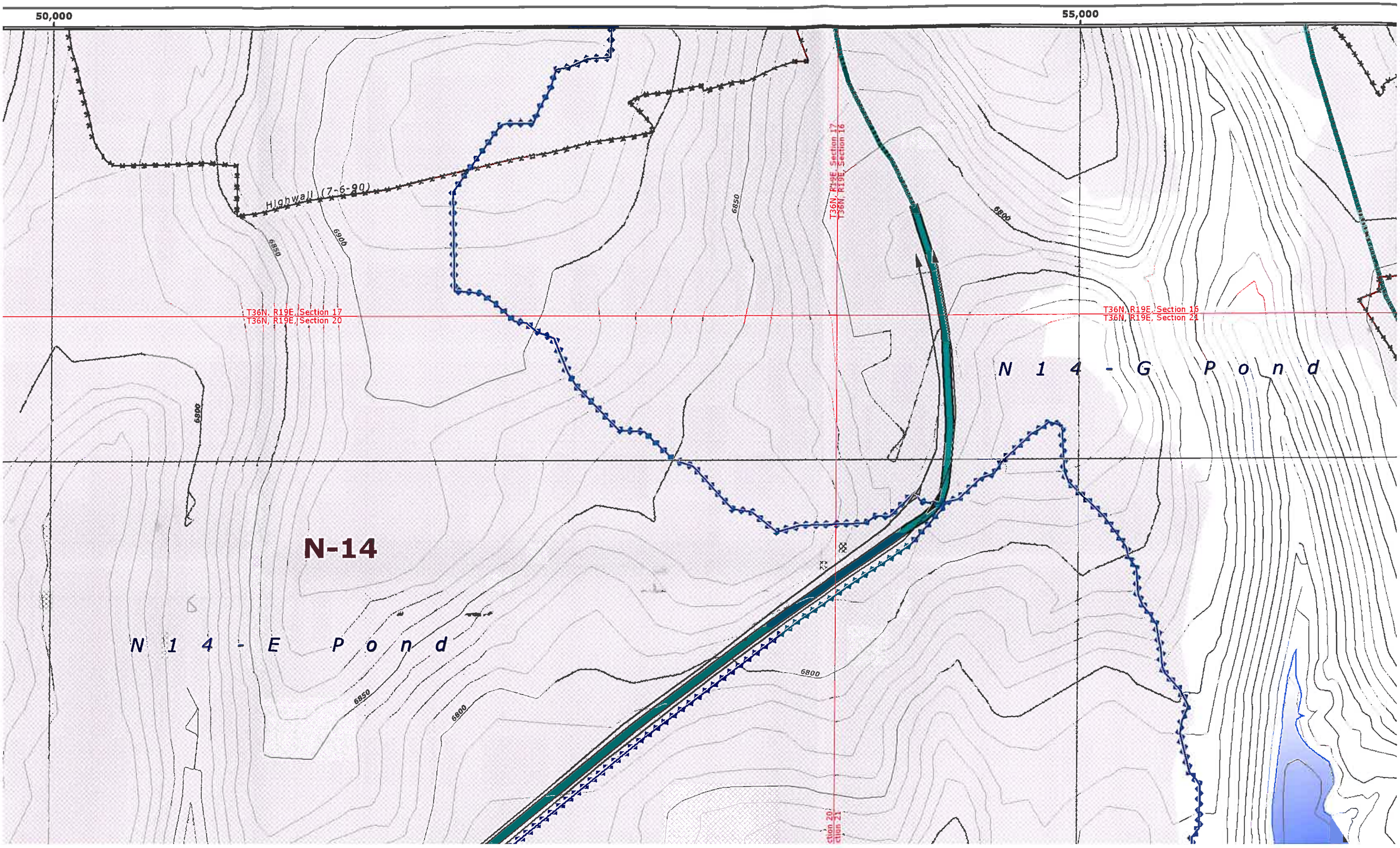
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Highwall (7-6-90)
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T36N, R19E, Section 21
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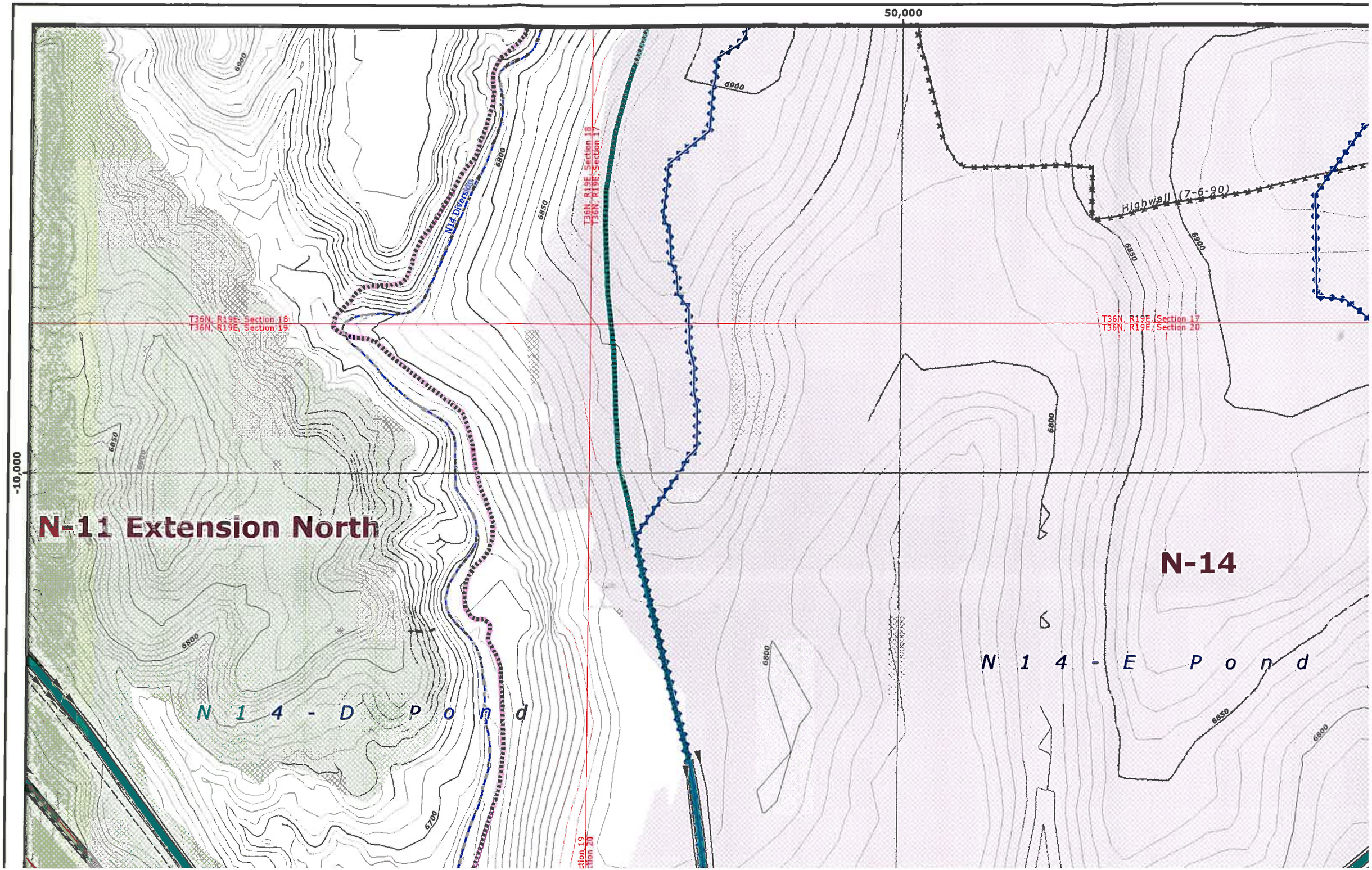
N-14
N 1 4 - E P o n d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N-11 Extension North
N-14
N 1 4 - D P o n d
N 1 4 - E P o n d
N14 Diversion
Highwall (7-6-90)
T36N, R19E, Section 18
T36N, R19E, Section 19
T36N, R19E, Section 17
T36N, R19E, Section 20
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