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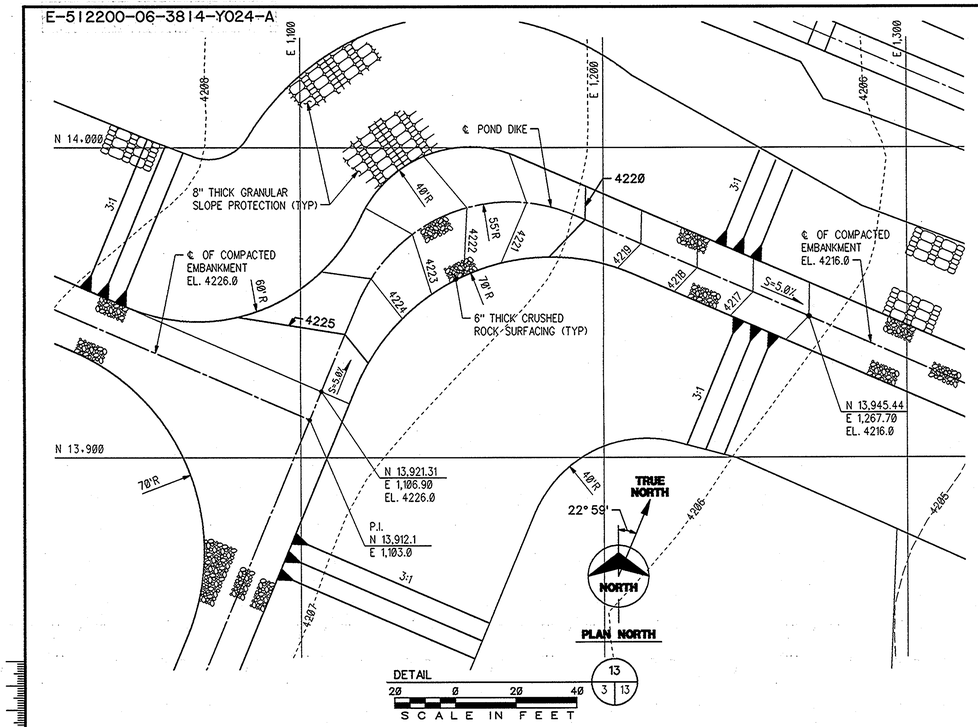
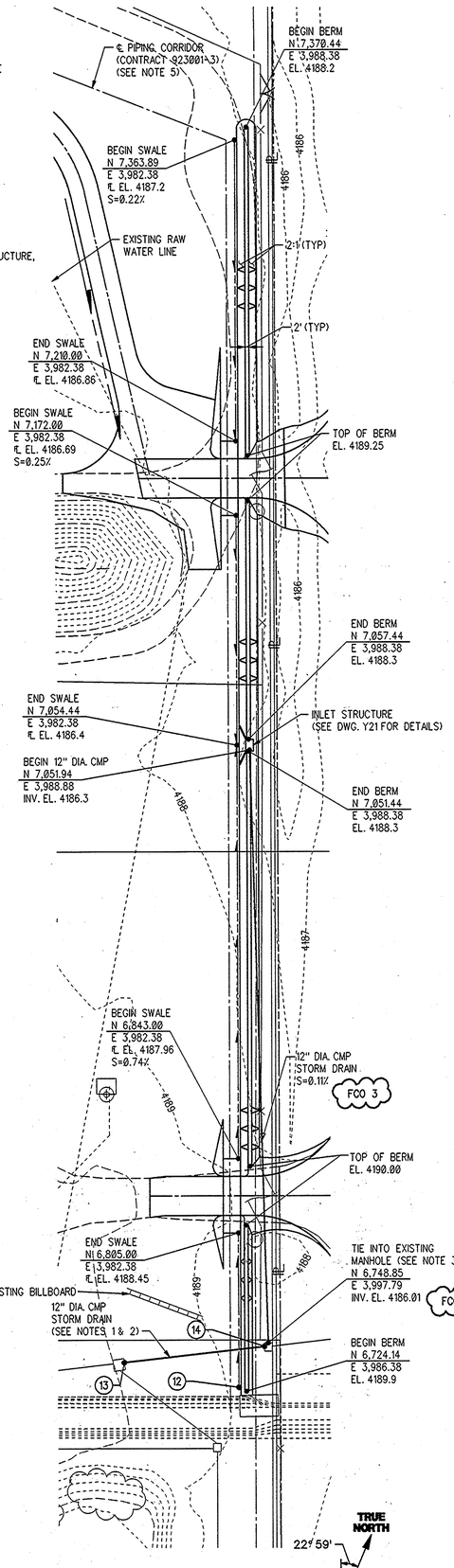
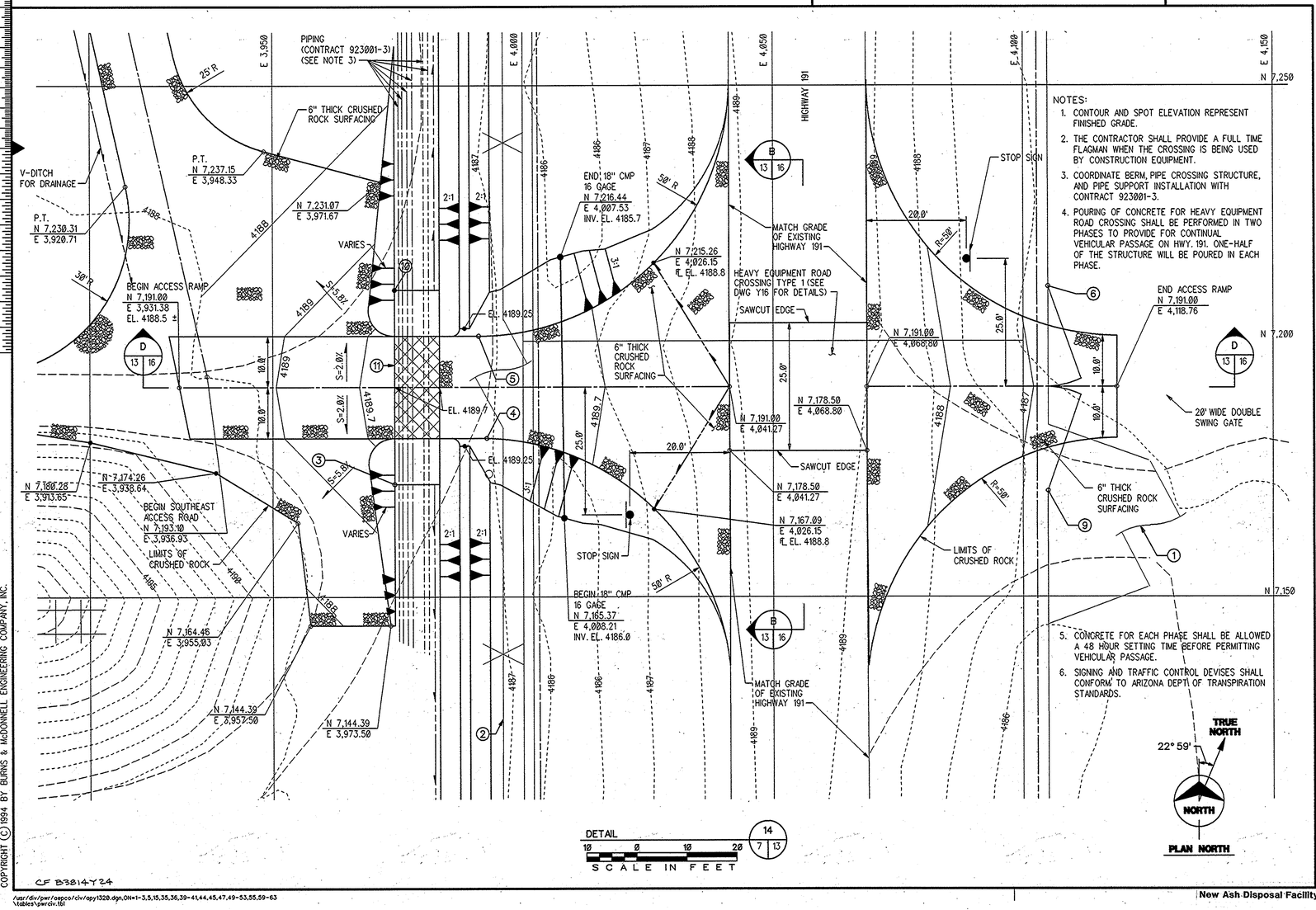


KEY NOTES

1. REMOVE EXISTING SECURITY FENCE AND GATE WITHIN LIMITS OF CONSTRUCTION REPLACE WITH A NEW 20' DOUBLE SWING GATE AND FENCING AS INDICATED
2. REMOVE EXISTING SECURITY FENCE AND GATE WITHIN LIMITS OF CONSTRUCTION REPLACE WITH A NEW 20' DOUBLE SWING GATE AND FENCING AT THE FINISHED GRADE ELEVATIONS INDICATED
3. PIPE CROSSING STRUCTURE CORNER LOCATION POINT NO. 2
   N 7,172.00
   E 3,974.37
4. N 7,181.0
   E 3,991.63
5. N 7,201.0
   E 3,991.19
6. FENCE CORNER
   N 7,210.68
   E 4,104.99
9. FENCE CORNER
   N 7,170.68
   E 4,105.03
10. PIPE CROSSING STRUCTURE CORNER LOCATION POINT NO. 1
    N 7,210.00
    E 3,974.37
11. WASTE PIPE CROSSING STRUCTURE #9 (SEE DETAIL DWG S8)
12. BEGIN SWALE
    N 6,726.14
    E 3,982.38
    ℄ EL. 4188.8
    S=0.44%
13. TIE INTO EXISTING MANHOLE (SEE NOTES 3 & 4)
    N 6,738.94
    E 3,922.35
    INV. EL. 4185.91
    FCO 3
14. TIE INTO EXISTING MANHOLE (SEE NOTE 3)
    N 6,747.08
    E 3,995.78
    INV. EL. 4186.9

NOTES:
1. REMOVE EXISTING 30" STORM DRAIN IN THE VICINITY OF THE NEW 12" CMP DRAIN PIPE.
2. PENETRATIONS IN MANHOLE WALLS CAUSED BY REMOVAL OF EXISTING PIPE SHALL BE FORMED AND GROUTED IN.
3. TIE NEW 12" CMP INTO EXISTING MANHOLES AT THE ELEVATIONS INDICATED. NEW PIPE SHALL BE GROUTED SECURELY IN-PLACE.
4. CONTRACTOR SHALL VERIFY TIE IN ELEVATIONS INTO EXISTING MANHOLES TO ENSURE THAT SPECIFIED SLOPES WILL BE ACHIEVED AND THAT THE INVERT ELEVATION OF THE OUTFLOW PIPE FROM THE LAST MANHOLE TIED INTO IS EQUAL TO OR LOWER THAN THE IN FLOW ELEVATION.
5. COORDINATE BERM, PIPE CROSSING STRUCTURE, AND PIPE SUPPORT INSTALLATION WITH CONTRACT 923001-3.





NOTES:
1. CONTOUR AND SPOT ELEVATION REPRESENT FINISHED GRADE.
2. THE CONTRACTOR SHALL PROVIDE A FULL TIME FLAGMAN WHEN THE CROSSING IS BEING USED BY CONSTRUCTION EQUIPMENT.
3. COORDINATE BERM, PIPE CROSSING STRUCTURE, AND PIPE SUPPORT INSTALLATION WITH CONTRACT 923001-3.
4. POURING OF CONCRETE FOR HEAVY EQUIPMENT ROAD CROSSING SHALL BE PERFORMED IN TWO PHASES TO PROVIDE FOR CONTINUAL VEHICULAR PASSAGE ON HWY. 191. ONE-HALF OF THE STRUCTURE WILL BE POURED IN EACH PHASE.
5. CONCRETE FOR EACH PHASE SHALL BE ALLOWED A 48 HOUR SETTING TIME BEFORE PERMITTING VEHICULAR PASSAGE.
6. SIGNING AND TRAFFIC CONTROL DEVISES SHALL CONFORM TO ARIZONA DEPT. OF TRANSPIRATION STANDARDS.

no.	date	by	revision
Ø	3-10-94	TLL	ISSUED TO OWNER FOR BID
	9-20-94	TLL	ISSUED AS BID
1	4-22-96	DLM	**CONFORMING TO CONSTRUCTION RECORDS**

Burns & McDonnell

date	detailed
JAN. 20, 1993	D. MADDOCK
designed	checked
M. FRERKING	T. LARSON

AEPCO
ARIZONA ELECTRIC POWER COOPERATIVE, INC.
APACHE STATION
COMBUSTION WASTE DISPOSAL FACILITY

WASTE DISPOSAL PONDS AND APPURTENANCES CONSTRUCTION

MISCELLANEOUS GRADING DETAILS

project	contract
91-033-1-010	923001-2

drawing Y13 — rev. 1

sheet — of — sheets

REGISTERED PROFESSIONAL ENGINEER — CERTIFICATE NO. 25407 — TERENCE LEE LARSON — ARIZONA — Expires 6-30-97

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