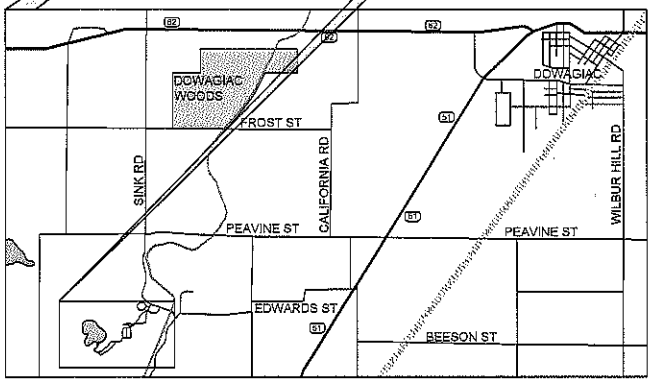
RODGERS LAKE DOWAGIAC

CASS COUNTY, MI

THE POKAGON BAND DEPARTMENT OF NATURAL RESOURCES

30% SUBMITTAL, NOVEMBER 11TH, 2013

STATE MAP - MICHIGAN
NOT TO SALE



VICINITY MAP
NOT TO SCALE

LOCATION MAP
SCALE 1" = 2000'

SHEET INDEX

1. TITLE SHEET & INDEX
2. ACCESS, STAGING & EXISTING CONDITIONS
3. PROPOSED PLAN & PROFILE
4. HABITAT ELEMENTS
5. HABITAT ELEMENTS
6. CONSTRUCTION CROSS SECTIONS
7. PROPOSED TYPICAL SECTIONS
8. PROPOSED TYPICAL DETAILS & SECTIONS
9. PROPOSED PLANTING PLAN

Preliminary Not for Construction

NO.	DATE	REVISION DESCRIPTION
1	11/13/13	30% SUBMITTAL

CP	BS, BL	AS
DRAWN	DESIGNED	CHECKED
	11/11/13	12-04-41
APPROVED	DATE	PROJECT

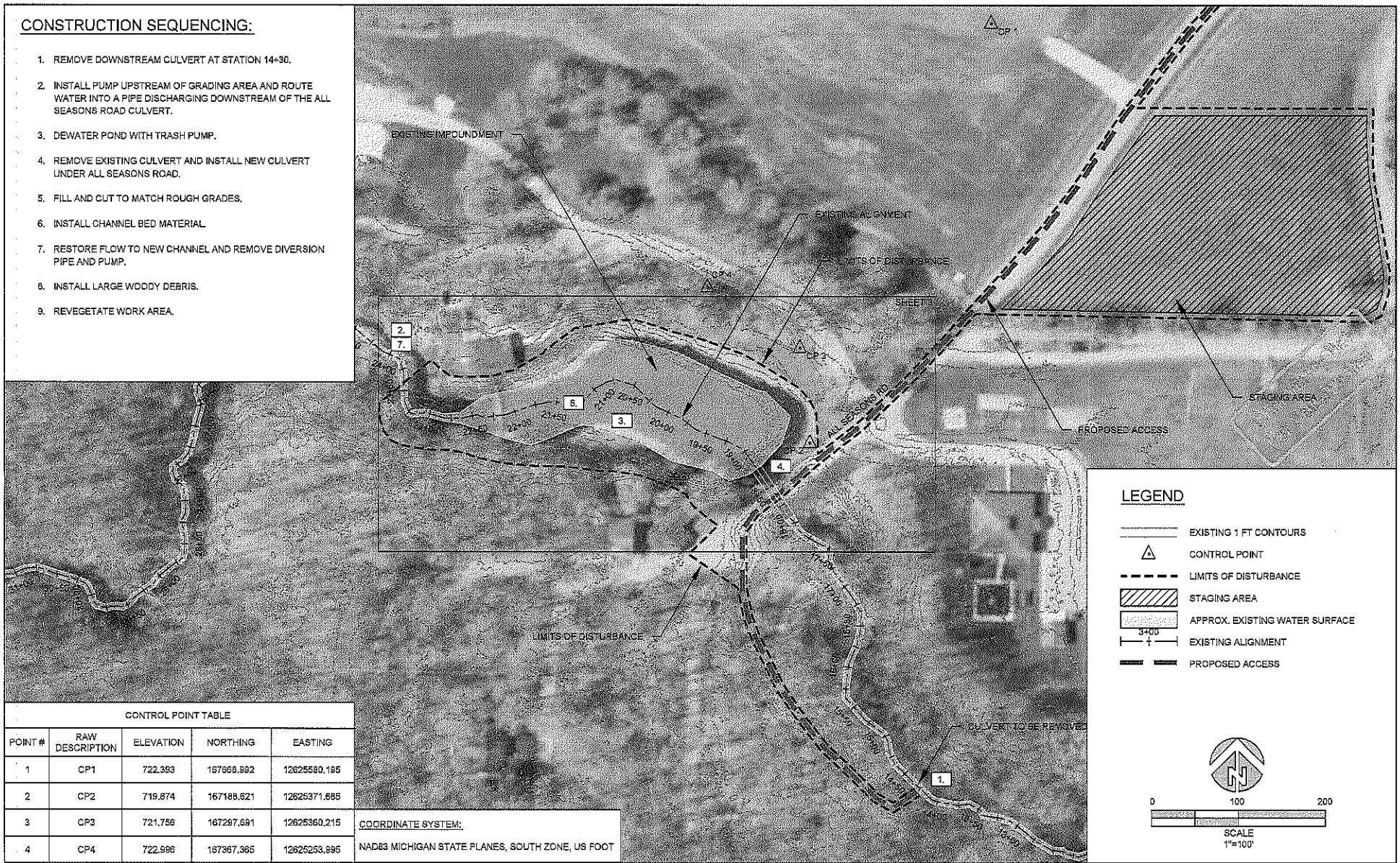
RODGERS LAKE OUTLET CHANNEL
CASS COUNTY, MI
POKAGON BAND OF POTAWATOMI

inter-fluve
301 S. Livingston St., Suite 200
Madison, WI 53703
608.441.0342
www.interfluve.com

TITLE SHEET & SHEET INDEX

CONSTRUCTION SEQUENCING:

1. REMOVE DOWNSTREAM CULVERT AT STATION 14+30.
2. INSTALL PUMP UPSTREAM OF GRADING AREA AND ROUTE WATER INTO A PIPE DISCHARGING DOWNSTREAM OF THE ALL SEASONS ROAD CULVERT.
3. DEWATER POND WITH TRASH PUMP.
4. REMOVE EXISTING CULVERT AND INSTALL NEW CULVERT UNDER ALL SEASONS ROAD.
5. FILL AND CUT TO MATCH ROUGH GRADES.
6. INSTALL CHANNEL BED MATERIAL.
7. RESTORE FLOW TO NEW CHANNEL AND REMOVE DIVERSION PIPE AND PUMP.
8. INSTALL LARGE WOODY DEBRIS.
9. REVEGETATE WORK AREA.



LEGEND

- EXISTING 1 FT CONTOURS
- CONTROL POINT
- LIMITS OF DISTURBANCE
- STAGING AREA
- APPROX. EXISTING WATER SURFACE
- 3+00 EXISTING ALIGNMENT
- PROPOSED ACCESS

0 100 200
SCALE
1"=100'

CONTROL POINT TABLE

POINT #	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
1	CP1	722.393	167668.992	12625580.195
2	CP2	719.674	167188.521	12625371.685
3	CP3	721.756	167297.691	12625360.215
4	CP4	722.996	167367.365	12625253.995

COORDINATE SYSTEM:

NAD83 MICHIGAN STATE PLANES, SOUTH ZONE, US FOOT

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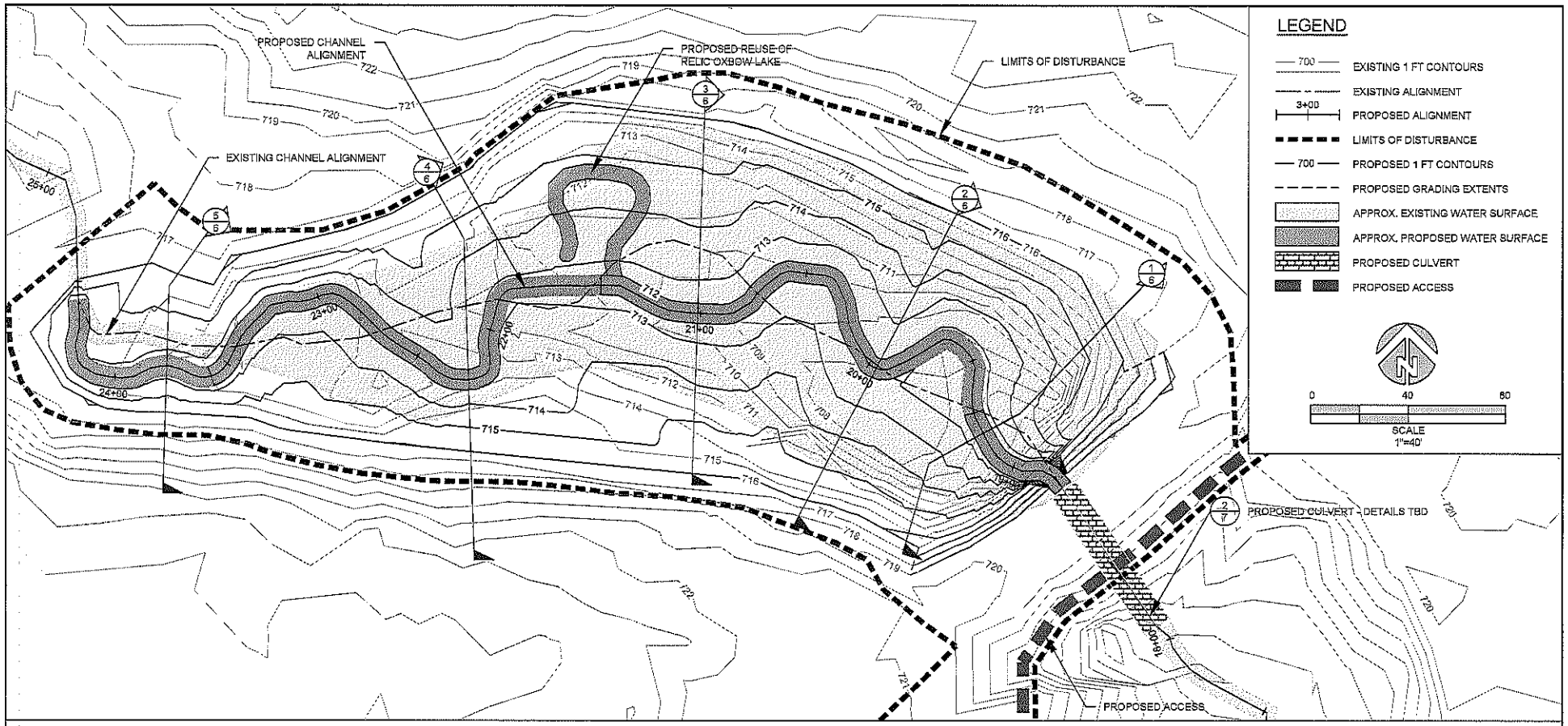
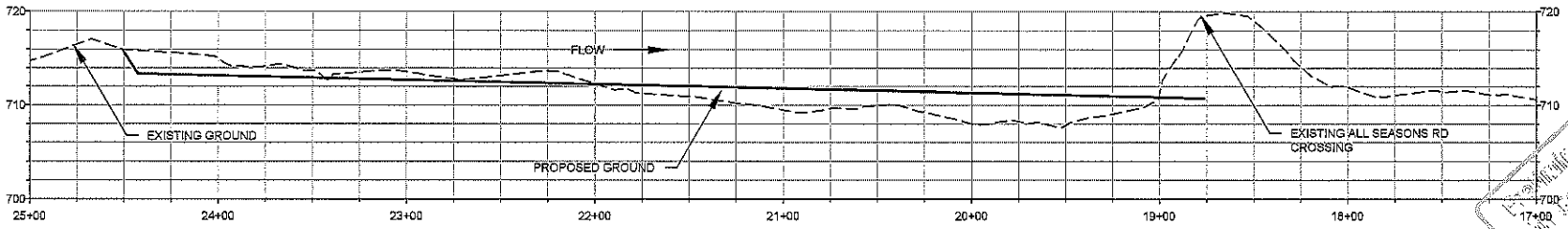
ACCESS, STAGING & EXISTING CONDITIONS

SHEET 2 OF 9





EXISTING & PROPOSED PROFILE

NO.	DATE	REVISION DESCRIPTION
1	11/11/13	90% SUBMITTAL

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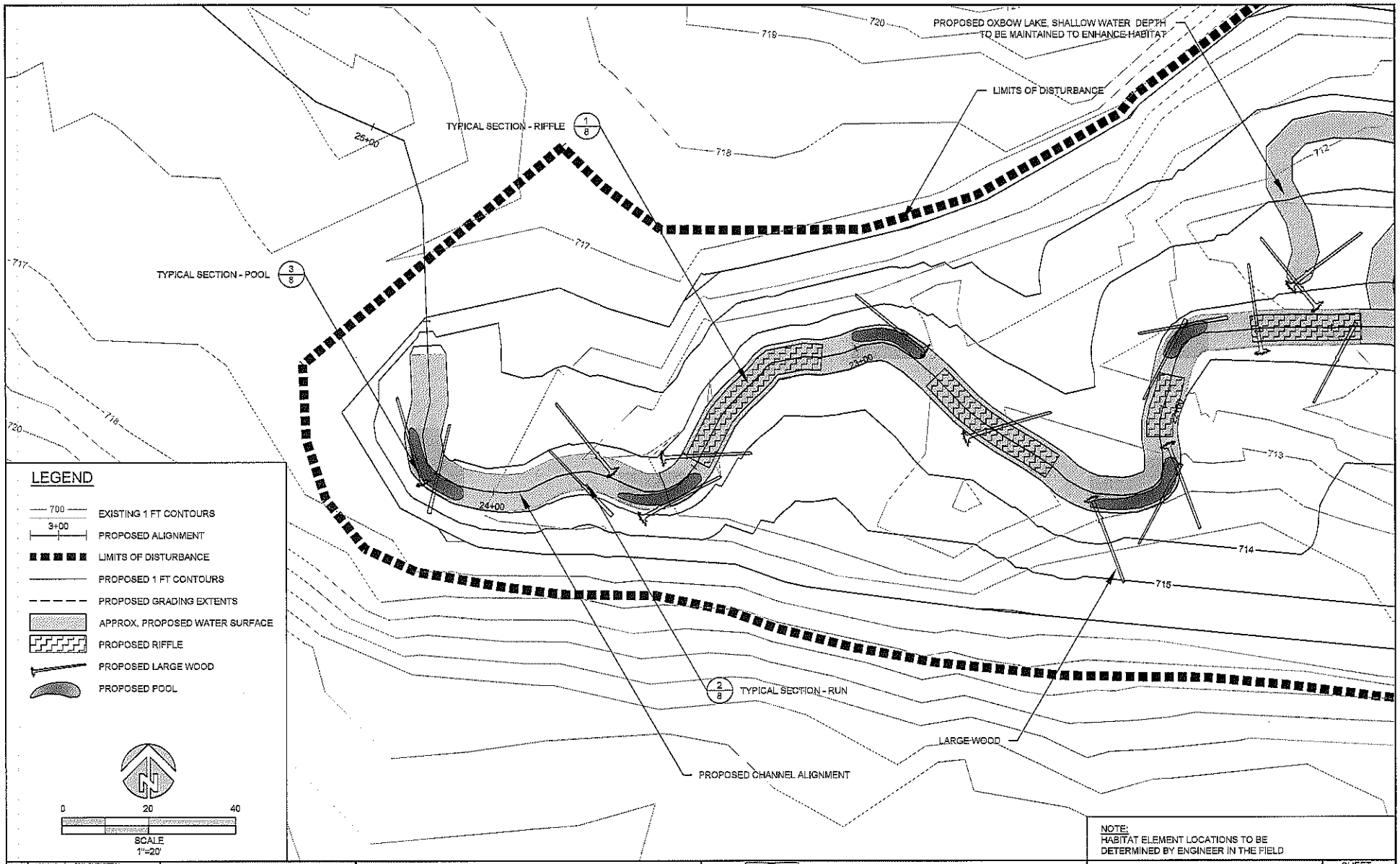
PROPOSED
PLAN & PROFILE



NOTE:
HABITAT ELEMENT LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD

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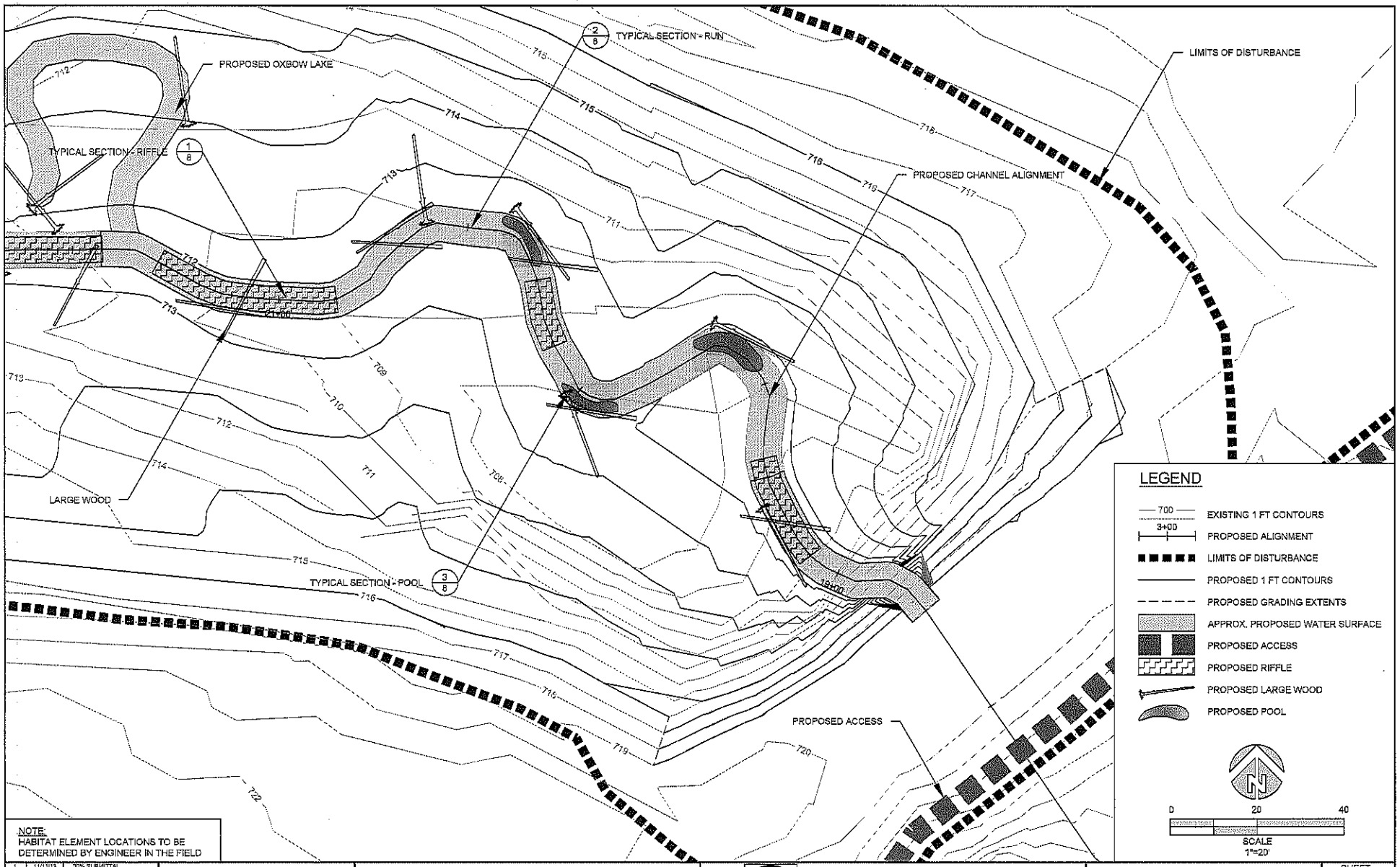
HABITAT ELEMENTS

SHEET 4 OF 9



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HABITAT ELEMENTS

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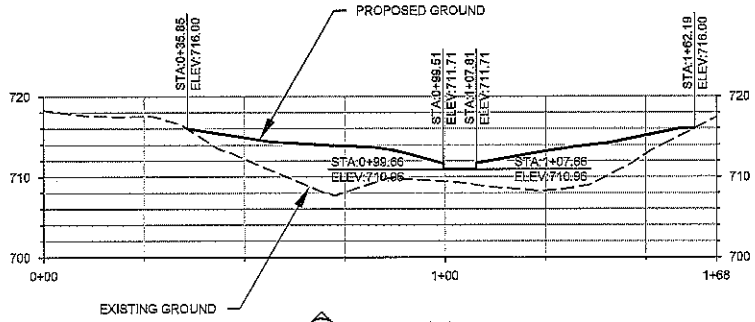
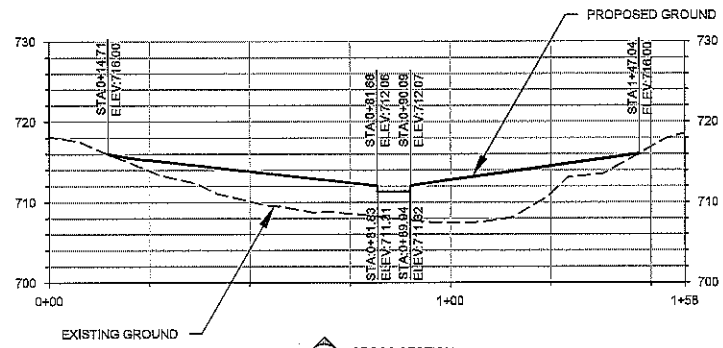
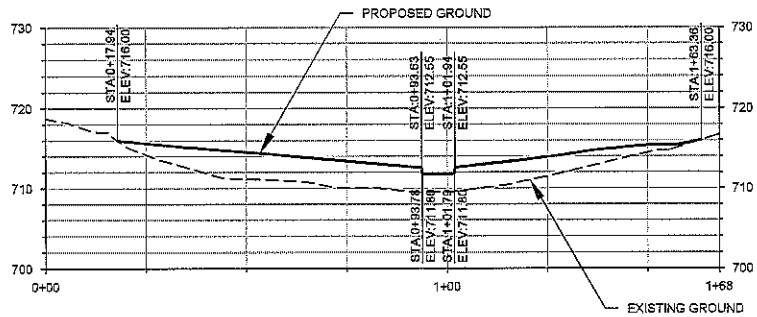


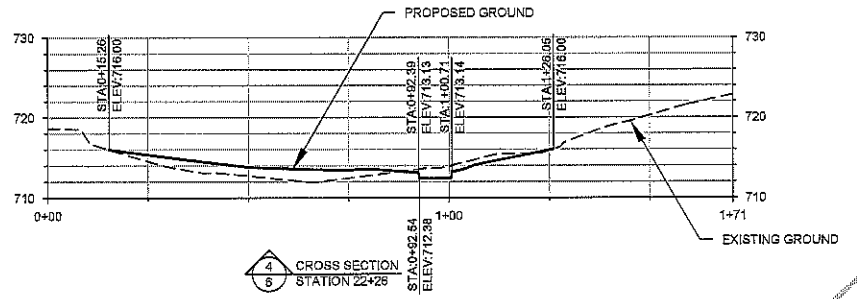
1/6 CROSS SECTION
STATION 19+19



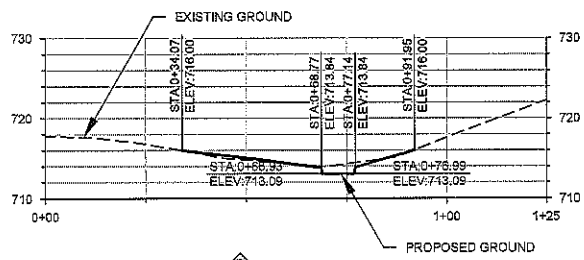
2/6 CROSS SECTION
STATION 19+97



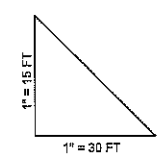
3/6 CROSS SECTION
STATION 21+01



4/6 CROSS SECTION
STATION 22+26



5/6 CROSS SECTION
STATION 23+78



LEGEND

- EXISTING GROUND
- PROPOSED GROUND

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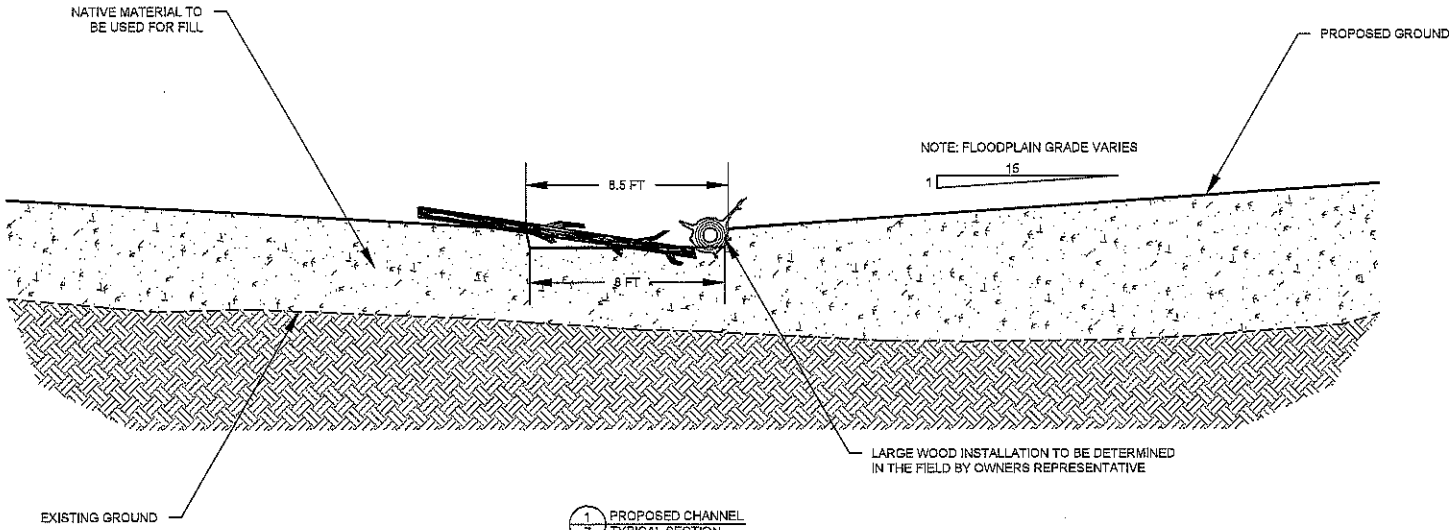
CONSTRUCTION
CROSS SECTIONS

SHEET 6 OF 9



1/7 PROPOSED CHANNEL TYPICAL SECTION
SCALE 1"=5'

PLACE HOLDER

2/7 PROPOSED CULVERT TYPICAL SECTION
SCALE 1"=5'

PLACE HOLDER

3/7 PROPOSED DOWNSTREAM CULVERT REMOVAL TYPICAL SECTION
SCALE 1"=5'

PRELIMINARY NOT FOR CONSTRUCTION

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PROPOSED TYPICAL SECTIONS

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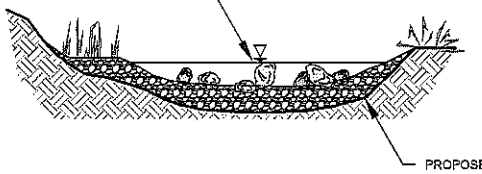
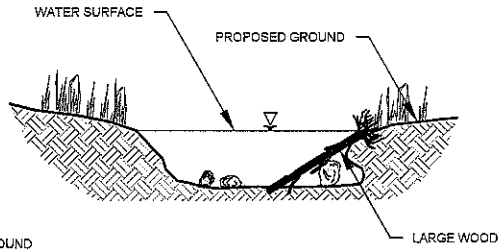
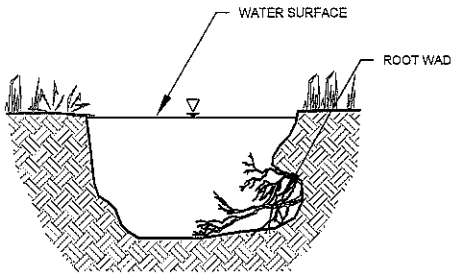


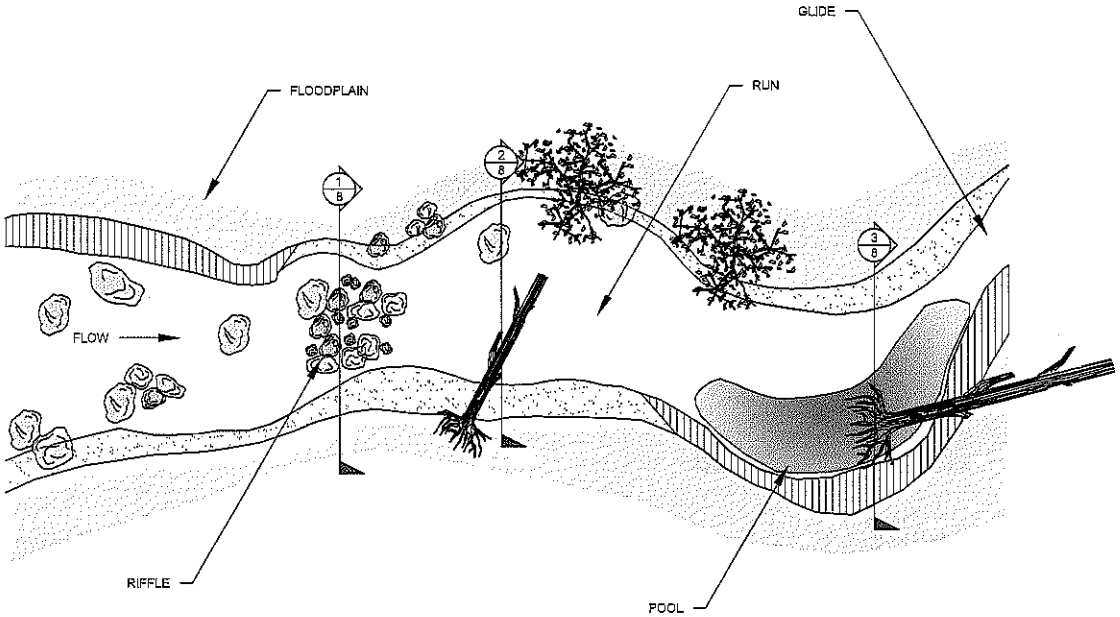
1/8 TYPICAL SECTION
RIFFLE
NOT TO SCALE



2/8 TYPICAL SECTION
RUN
NOT TO SCALE



3/8 TYPICAL SECTION
POOL
NOT TO SCALE



4/8 TYPICAL DETAIL
RIFFLE POOL
NOT TO SCALE

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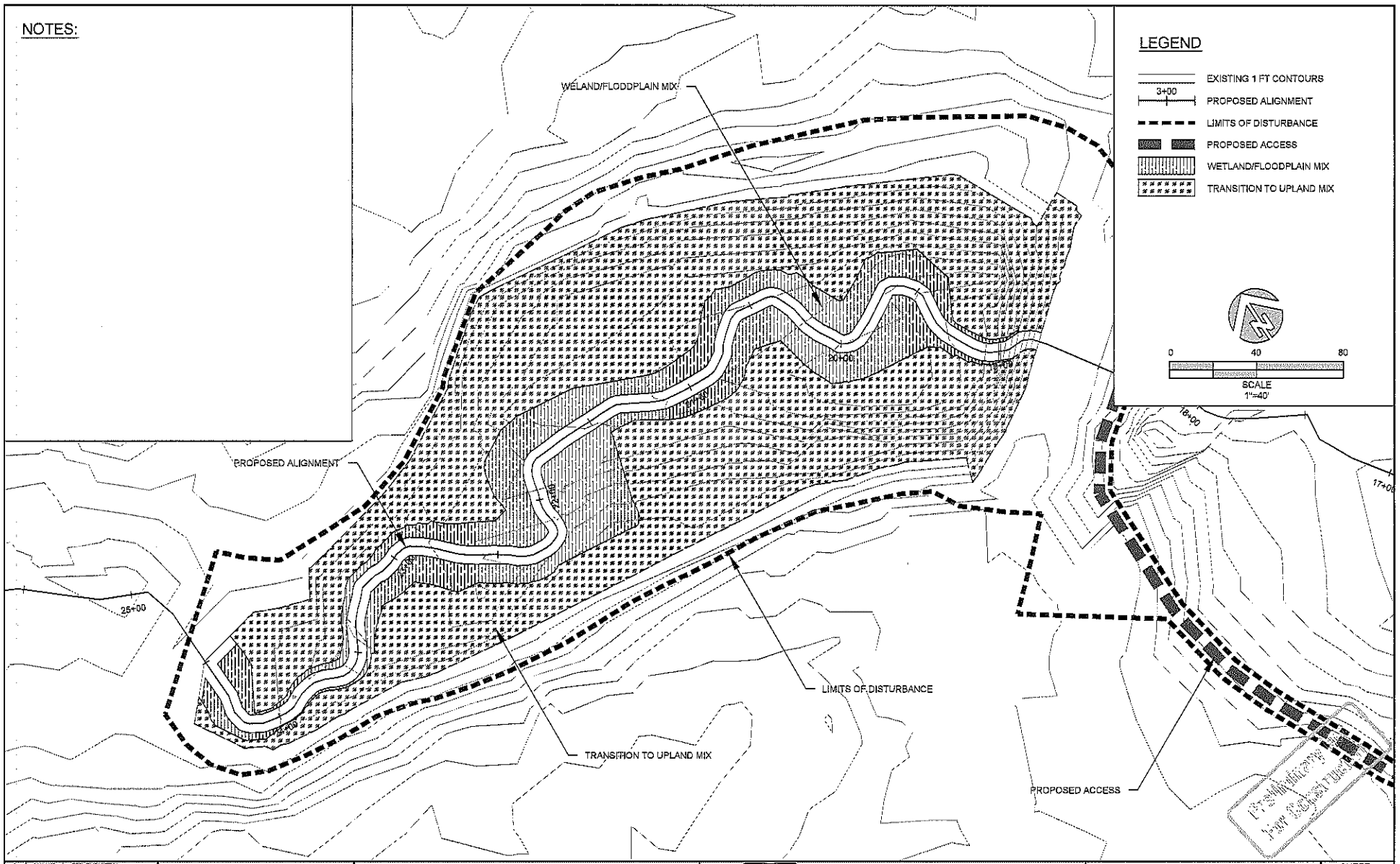
PROPOSED TYPICAL DETAILS & SECTIONS

SHEET 8 OF 9

NOTES:



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PLANTING PLAN

SHEET 9 OF 9