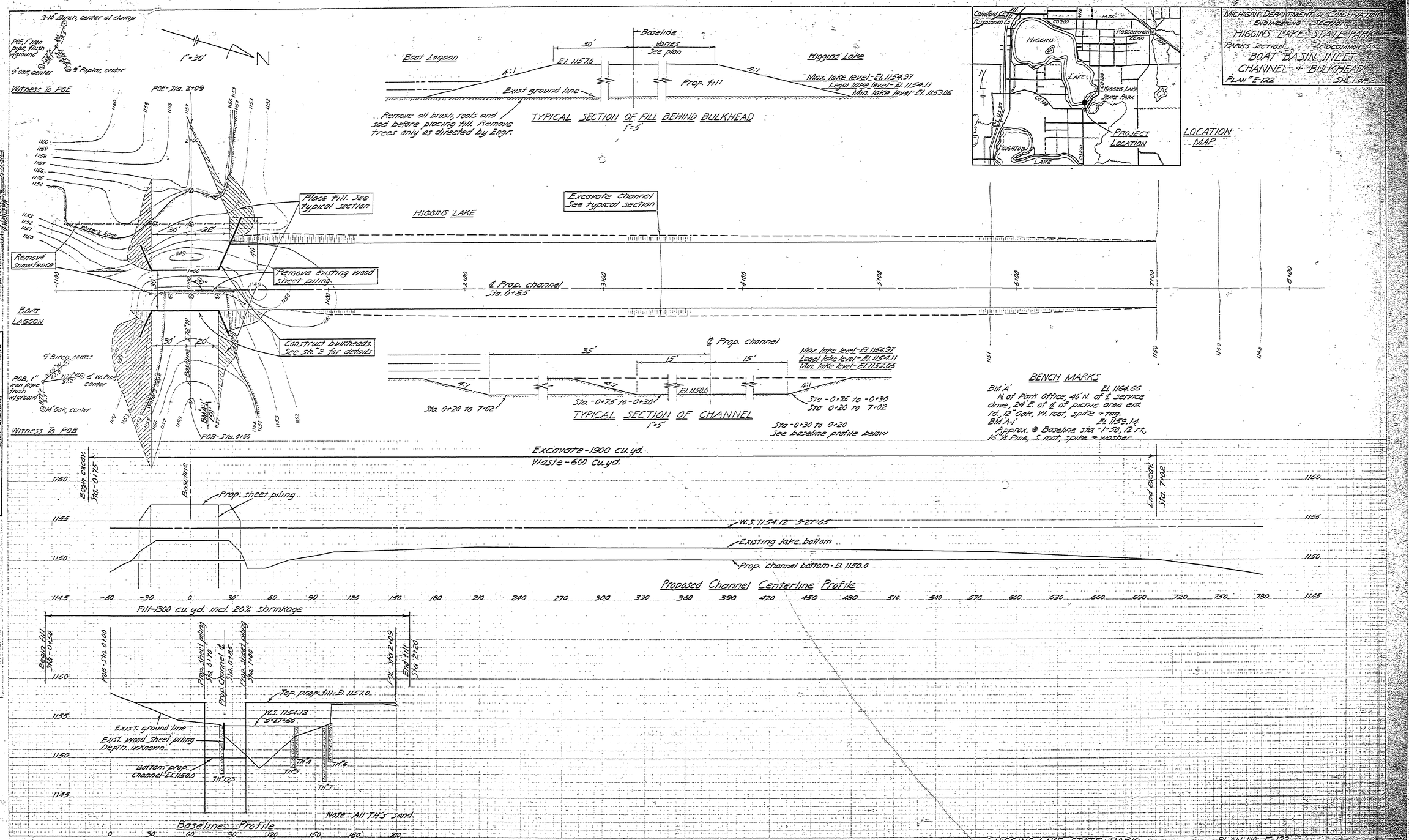
MICHIGAN DEPARTMENT OF CONSERVATION
ENGINEERING SECTION
HIGGINS LAKE STATE PARK
PARKS SECTION ROSCOMMON CO.
BOAT BASIN INLET
CHANNEL & BULKHEAD
PLAN # E-122 SH. 1 of 2


1"=30'
N
3-16" Birch, center at clump
POE, 1" iron pipe flush w/ground
9" Oak, center
9" Poplar, center
Witness To POE
POE-Sta. 2+09
Place fill. See typical section
Remove snow fence
Remove existing wood sheet piling
Construct bulkheads. See sh. 2 for details
Boat Lagoon
Higgins Lake
Excavate channel See typical section
℄ Prop. channel Sta. 0+85
9" Birch, center
POB, 1" iron pipe flush w/ground
6" W. Pine center
14" Oak, center
Witness To POB
POB-Sta. 0+00
Baseline
Boat Lagoon
El. 1157.0
Exist ground line
Prop. fill
Baseline Varies See plan
Max. lake level-El. 1154.97
Legal lake level-El. 1154.11
Min. lake level-El. 1153.06
Remove all brush, roots and sod before placing fill. Remove trees only as directed by Engr.
TYPICAL SECTION OF FILL BEHIND BULKHEAD
1"=5'
℄ Prop. channel
El. 1150.0
Sta. 0+20 to 7+02
Sta. -0+75 to -0+30
Sta -0+75 to -0+30
Sta 0+20 to 7+02
Sta -0+30 to 0+20
See baseline profile below
TYPICAL SECTION OF CHANNEL
1"=5'
Excavate-1900 cu. yd.
Waste-600 cu. yd.
Begin excav. Sta-0+75
End excav. Sta. 7+02
Prop. sheet piling
W.S. 1154.12 5-27-65
Existing lake bottom
Prop. channel bottom-El. 1150.0
Proposed Channel Centerline Profile
Fill-1300 cu. yd. incl. 20% shrinkage
Begin fill Sta 0+50
POB-Sta. 0+00
Prop. sheet piling Sta. 0+70
Prop. Channel ℄ Sta. 0+85
Prop. sheet piling Sta. 1+00
POE-Sta. 2+09
End fill Sta 2+20
Top prop. fill-El. 1157.0
W.S. 1154.12 5-27-65
Exist. ground line
Exist. wood sheet piling Depth unknown
Bottom prop. Channel-El. 1150.0
TH 1,2,3
TH 4
TH 5
TH 6
TH 7
Note: All TH's sand
Baseline Profile
Michigan Department of Conservation
Engineering Section
Parks Section
Approved
Recommended
Approval
Approved
Original Survey
Final Survey
Date 7-19-65
Date 10-25-65
Date 7-30-65
Date 5-65
Date 7-65
Date 5-65
Date 7-65
Date 7-30-65
Date 7-30-65
Date 7-30