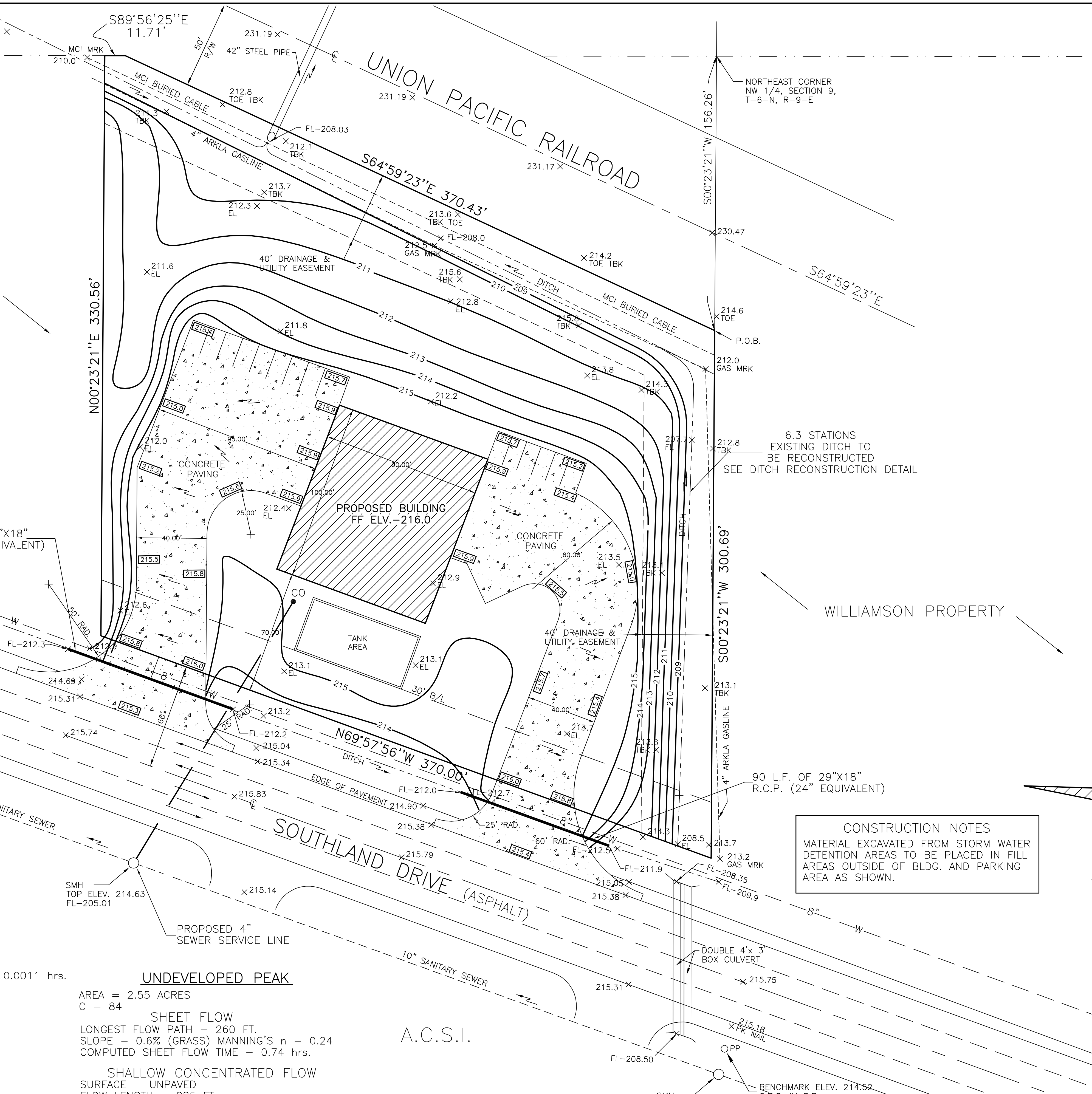




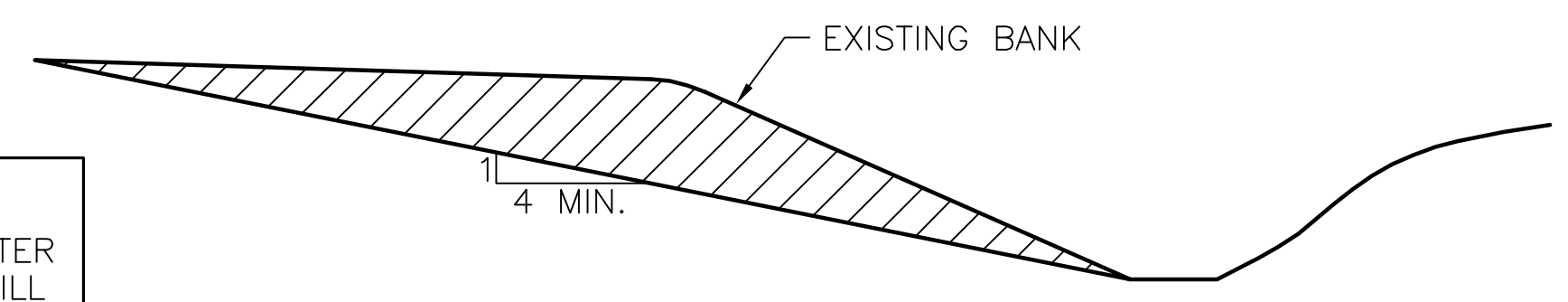
SCALE: 1" = 30'



Detention Basin Data

Basin Name.....TAKE TIME TRUCK LUBE  
 Distribution Type.....Type II  
 Frequency Type.....10 Year-24 Hour  
 Area.....2.55 Acres  
 Peak Inflow.....20 C.F.S.  
 Peak Outflow.....7.0 C.F.S.  
 Runoff (in.).....4.9 in.  
 Storage Volume Required.....20,000 FT  
 Storage Volume Provided.....45,000 FT

The peak outflow is the peak discharge of the undeveloped lot. The peak discharge was calculated using a 49 min. time of concentration and a curve number of 84. The maximum allowable discharge of the developed lot is 7.0 C.F.S. The peak discharge of the developed lot was calculated using a curve number 93 and a time of concentration of 7.3 minutes. The actual basin size was calculated to be 20,000 cubic feet. The actual provided detention area is 45,000 cubic feet.



TYPICAL DITCH RECONSTRUCTION

**CONSTRUCTION NOTES**  
 MATERIAL EXCAVATED FROM STORM WATER DETENTION AREAS TO BE PLACED IN FILL AREAS OUTSIDE OF BLDG. AND PARKING AREA AS SHOWN.

**CAUTION !!!** THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES CALL ARKANSAS ONE CALL BEFORE DIGGING. 1-800-482-8998

100 YEAR ELEVATION - 215.00

0.0011 hrs. **UNDEVELOPED PEAK**  
 AREA = 2.55 ACRES  
 C = 84  
**SHEET FLOW**  
 LONGEST FLOW PATH - 260 FT.  
 SLOPE - 0.6% (GRASS) MANNING'S n - 0.24  
 COMPUTED SHEET FLOW TIME - 0.74 hrs.

A.C.S.I.

**SHALLOW CONCENTRATED FLOW**  
 SURFACE - UNPAVED  
 FLOW LENGTH - 285 FT.  
 SLOPE - 0.5%  
 COMPUTED SHALLOW CONCENTRATED FLOW TIME - 0.071 hrs.

SMH (TOP NOT SET) FL-207.42  
 BENCHMARK ELEV. 214.52 C.P.S. IN P.P.