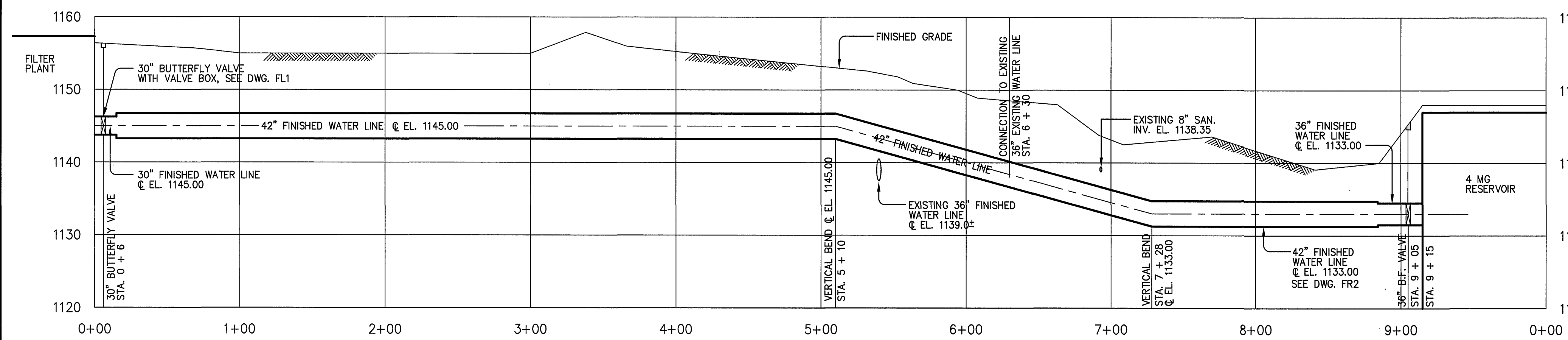
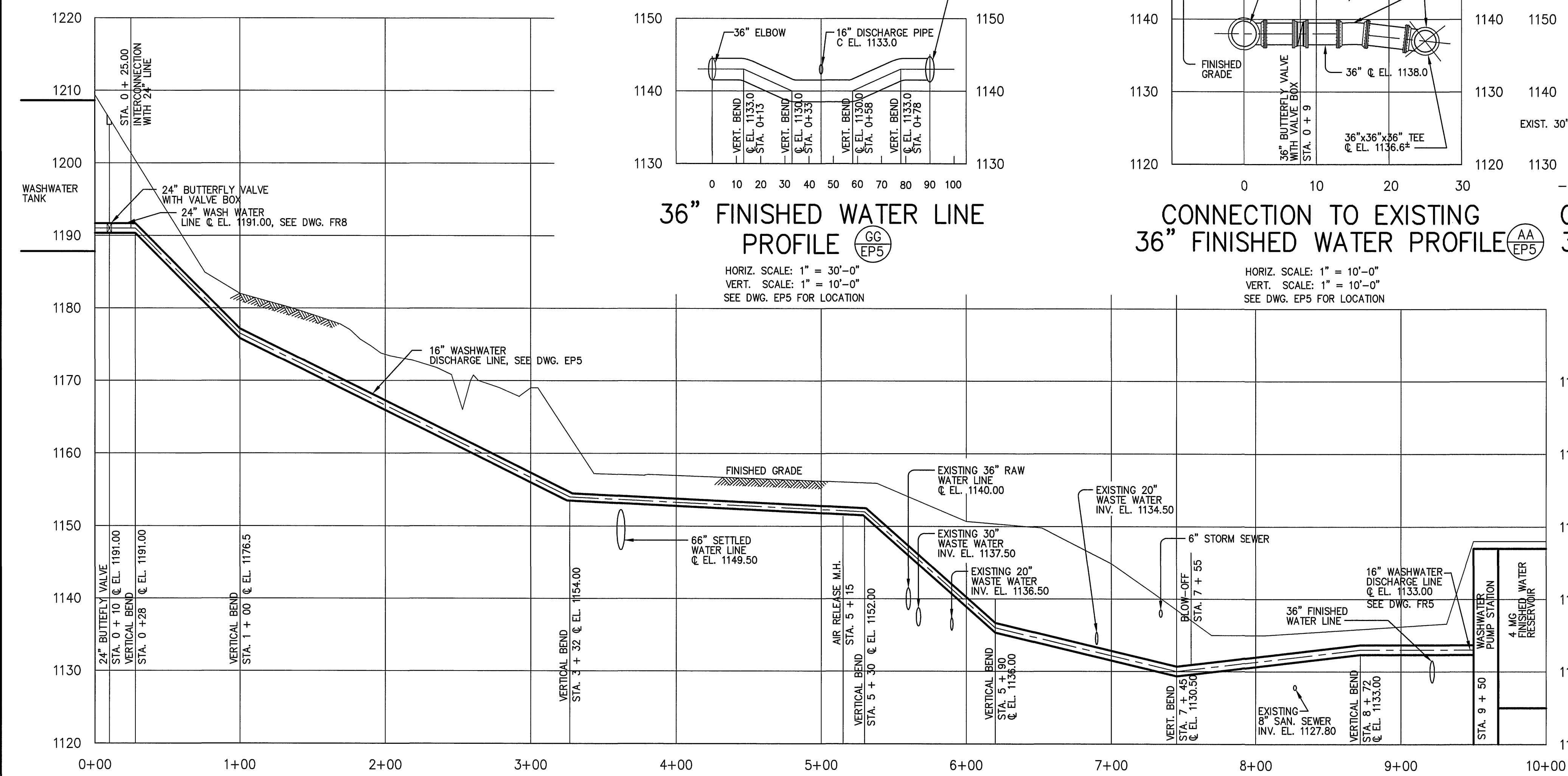




**42" FINISHED WATER LINE PROFILE** (V) EP5

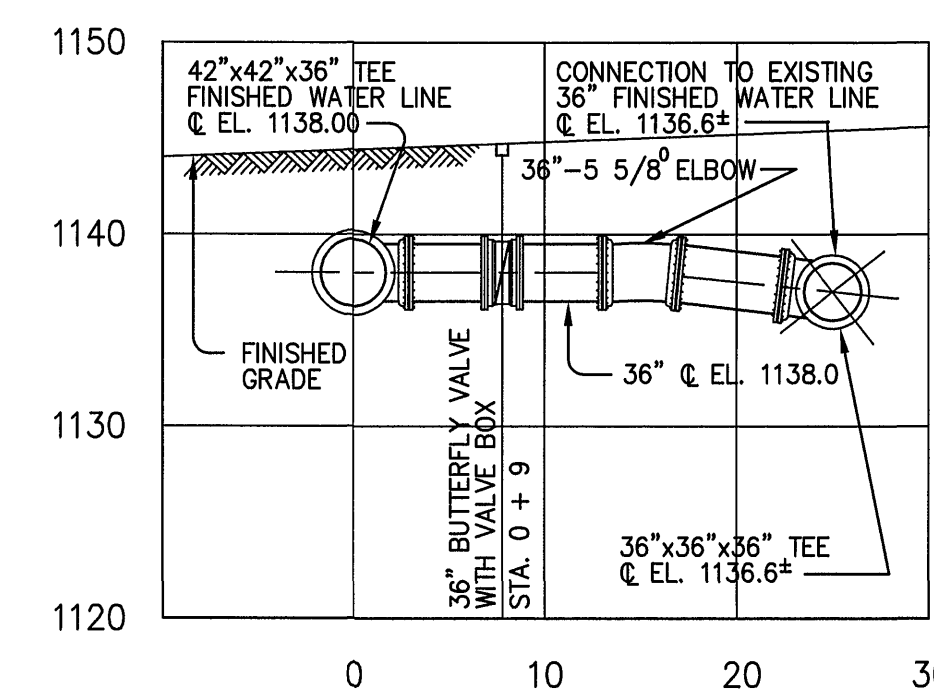
HORIZ. SCALE: 1" = 50'-0"  
VERT. SCALE: 1" = 10'-0"



**16" WASTEWATER DISCHARGE LINE PROFILE** (W) EP5

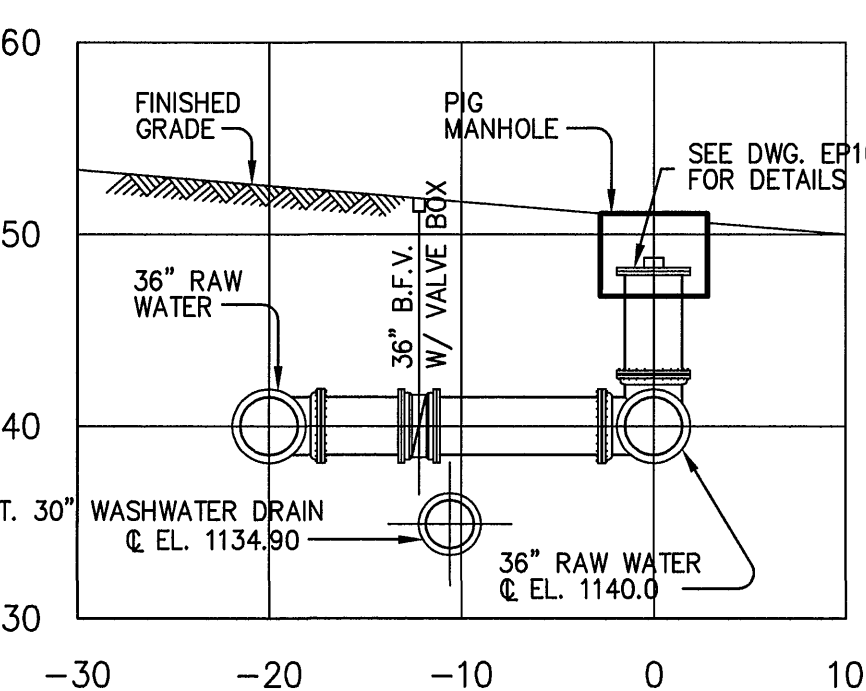
HORIZ. SCALE: 1" = 50'-0"  
VERT. SCALE: 1" = 10'-0"

- NOTES:
1. FOR YARD PIPING PLANS SEE DWGS. EP3 AND EP5.
  2. FOR RESTRAINED LENGTH, CONCRETE THRUST BLOCK, AND CONCRETE COUNTER WEIGHT FOR VERTICAL BEND IN PIPELINE SEE DWG. EP16.
  3. FOR AIR RELEASE MANHOLE AND BLOW-OFF DETAILS SEE DWG. EP17.
  4. FOR BURIED BUTTERFLY VALVE WITH VALVE BOX DETAIL SEE DWG. EP17.
  5. CONTRACTOR SHALL VERIFY THE ELEVATION OF EXIST. 36" RAW WATER LINE, 36" FINISHED WATER LINE, 30" DRAIN LINE AND 24" WASHWATER LINE IN THE FIELD.



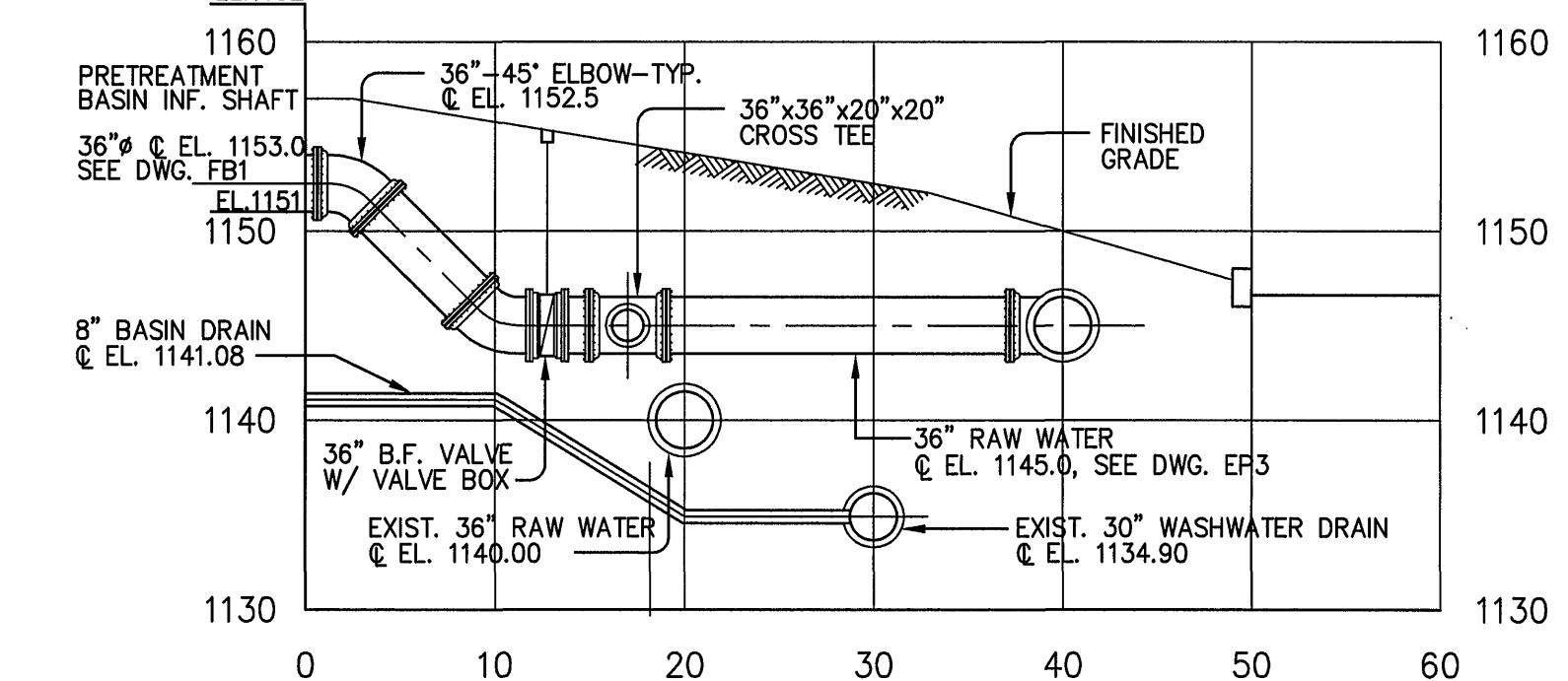
**CONNECTION TO EXISTING 36" FINISHED WATER PROFILE** (AA) EP5

HORIZ. SCALE: 1" = 10'-0"  
VERT. SCALE: 1" = 10'-0"



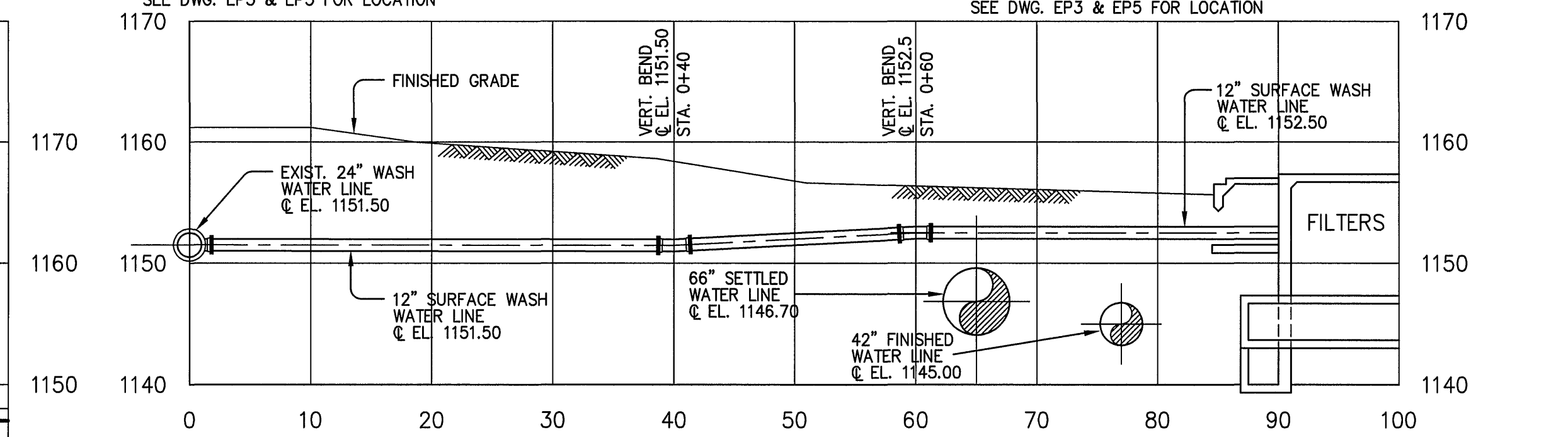
**CONNECTION TO EXISTING 36" RAW WATER PROFILE** (Z) EP5

HORIZ. SCALE: 1" = 10'-0"  
VERT. SCALE: 1" = 10'-0"



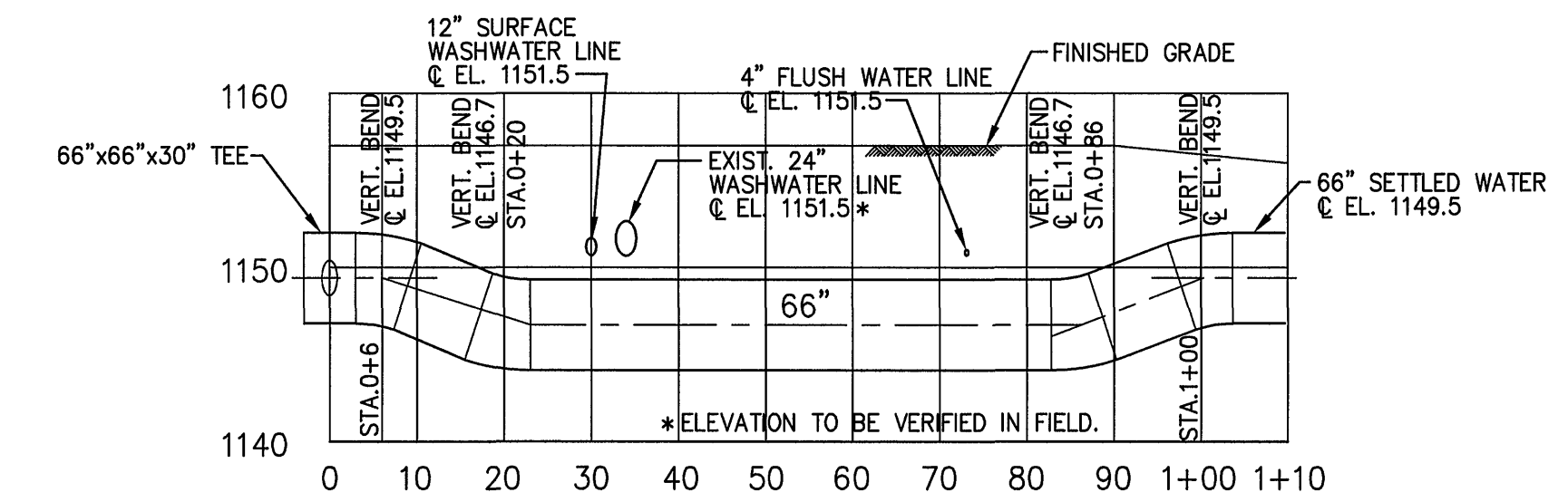
**36" RAW WATER PROFILE** (Y) EP5

HORIZ. SCALE: 1" = 10'-0"  
VERT. SCALE: 1" = 10'-0"



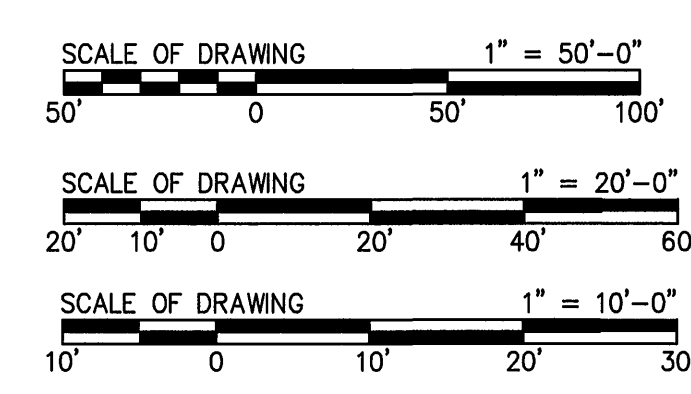
**12" SURFACE WASHWATER LINE PROFILE** (BB) EP5

HORIZ. SCALE: 1" = 10'-0"  
VERT. SCALE: 1" = 10'-0"



**66" SETTLED WATER LINE PROFILE** (FF) EP3

HORIZ. SCALE: 1" = 20'-0"  
VERT. SCALE: 1" = 10'-0"

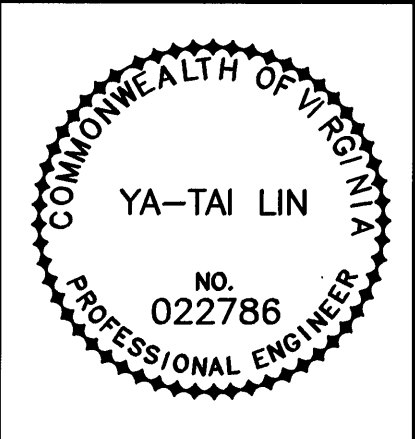


**DRAWING OF RECORD**  
DATE: SEP 30 1997

**MATTERN & CRAIG**  
CONSULTING ENGINEERS • SURVEYORS  
ROANOKE VIRGINIA

**ALVORD, BURDICK & HOWSON**  
ENGINEERS CHICAGO

DESIGNED: K.C.  
DRAWN: H.F. R.T.  
CHECKED: Y.T.L.



| REV. | DATE | DESCRIPTION | BY | APP. |
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**CARVINS COVE FILTER PLANT IMPROVEMENTS – PHASE I**  
ROANOKE, VIRGINIA

**YARD PIPING PROFILES**

DATE: APRIL 1992  
COMM. NO. 9130  
SHEET EP14