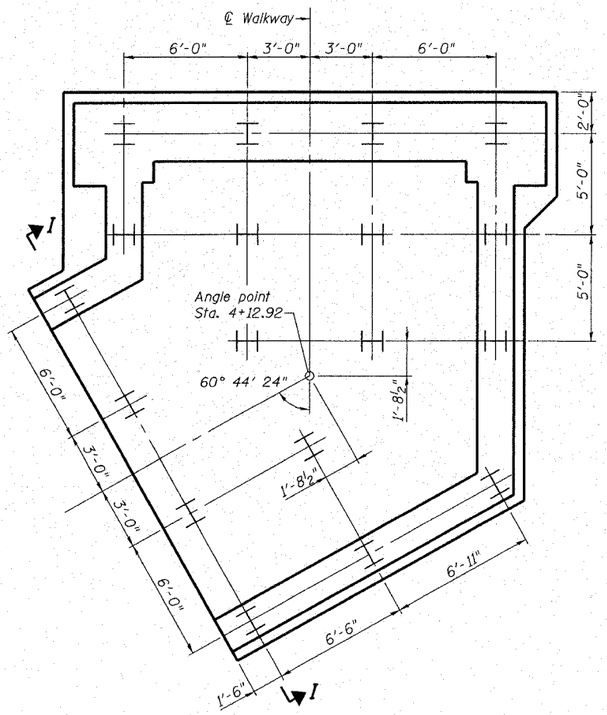
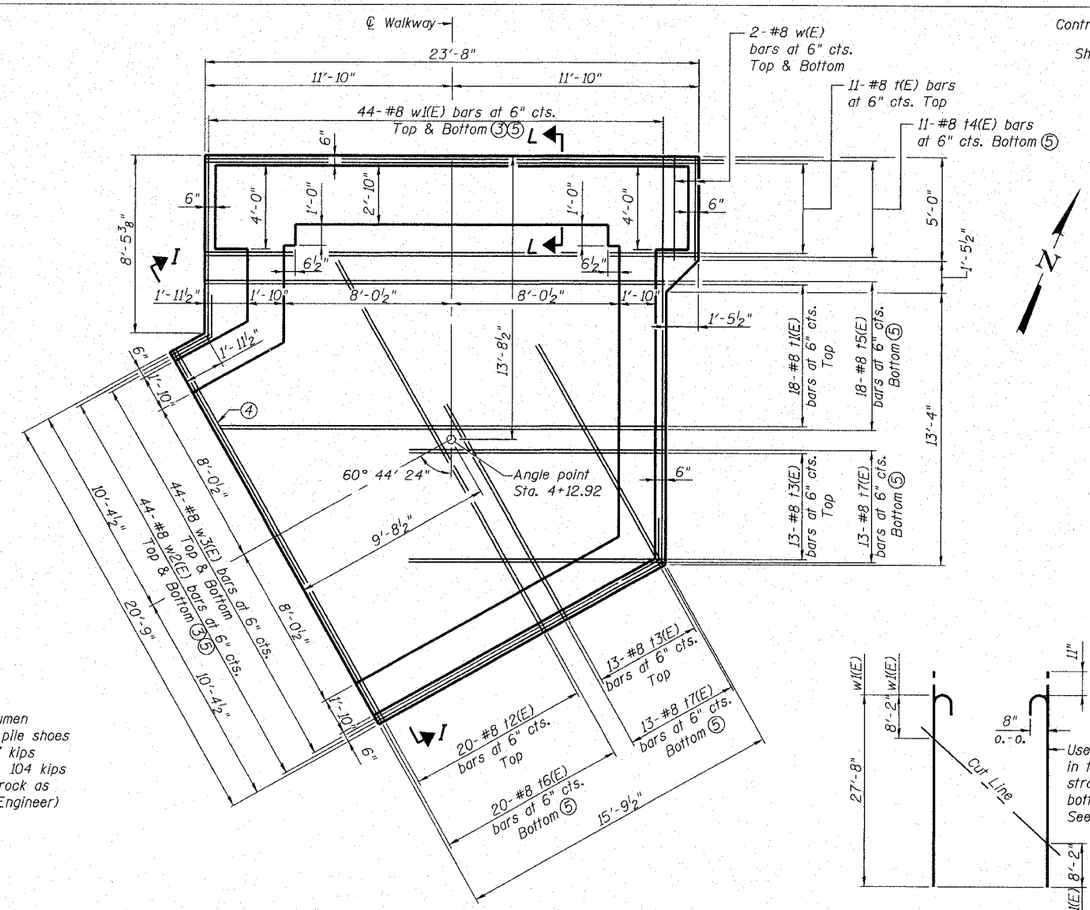


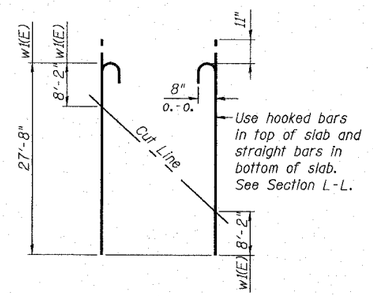

## PILE PLAN

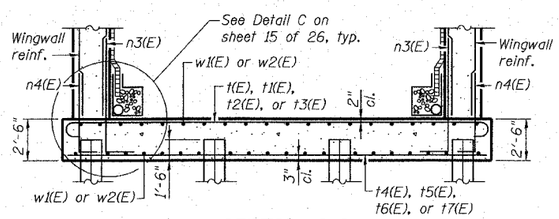
## PILE DATA

Type: HP12x63 coated w/ bitumen to Elev. 405.0 and w/ pile shoes
Nominal Required Bearing: 497 kips
Allowable Resistance Available: 104 kips
Est. Length: 45' (embed into rock as directed by the Engineer)
No. Production Piles: 17
No. Test Piles: 1

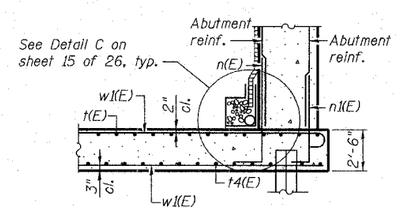



## FOOTING PLAN ⑦

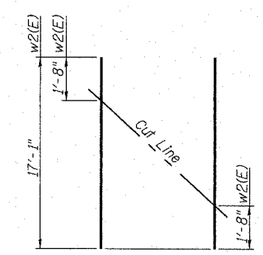



## SECTION I-I ①⑤




## SECTION L-L ②⑤




## FIELD CUTTING DIAGRAM

Order bars full length. Cut to fit as shown for top of slab and use remainder of bars in bottom of slab.

Notes:
① For details of wingwalls, see sheet 13 of 26.
② For details of abutment and columns, see sheet 12 of 26.
③ See Field Cutting Diagram.
④ Bend or cut in field to fit.
⑤ Space bottom reinforcement to miss piles. Minimum bar spacing of 3" cts.
⑥ For bar bending details and Bill of Materials, see sheet 12 of 26.
⑦ Bars n1(E) thru n4(E) to be cast with footing. Bars billed in abutment and wingwall elevation views for clarity.

## SOUTH ABUTMENT DETAILS
## ALTON PEDESTRIAN WALKWAY OVER
## UNION PACIFIC RAILROAD, NORFOLK
## SOUTHERN RAILROAD AND US ROUTE 67
## SECTION 06-00224-00-BR
## MADISON COUNTY
## STA. 2+42.54
## STRUCTURE NO. 060-6111

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Consulting Engineers

ALTON, ILLINOIS
PEDESTRIAN OVERPASS AT LANGDON ST.

DWG. NO. S14
6111-14-SOUTHABTSHT3.DGN
REF. BK. PG.
JOB NO. 26053
DSN. BY: DGL
DWN. BY: DGL
CHK. BY: NEL
DATE: 3/28/08
SCALE:
SHEET 34 OF 54