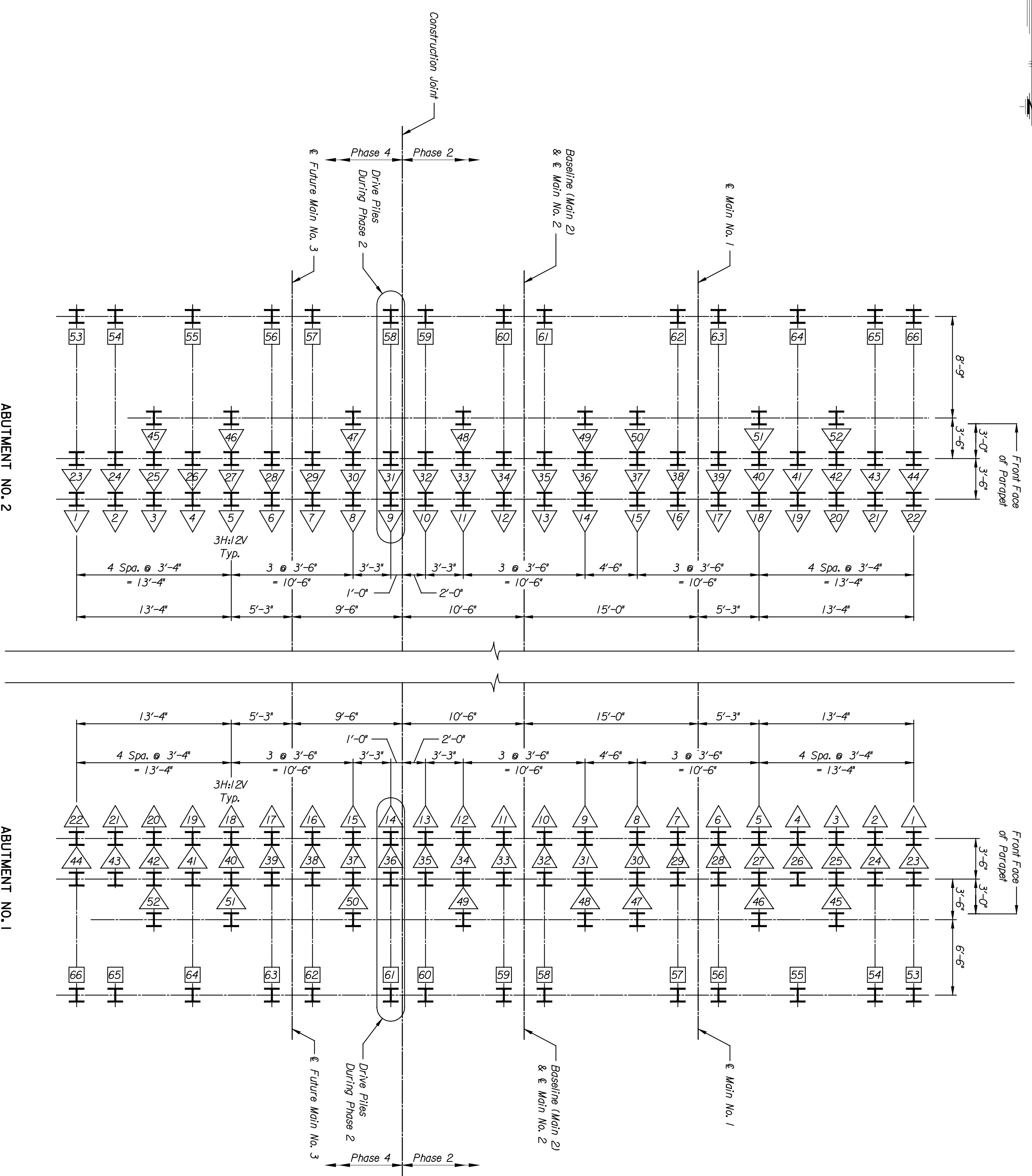


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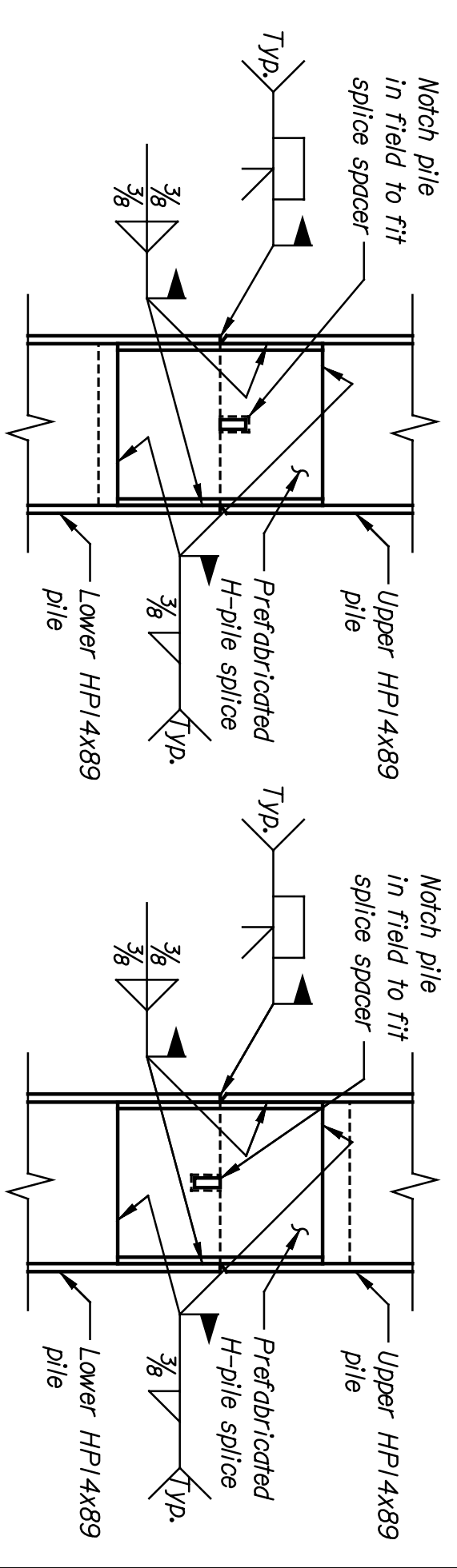
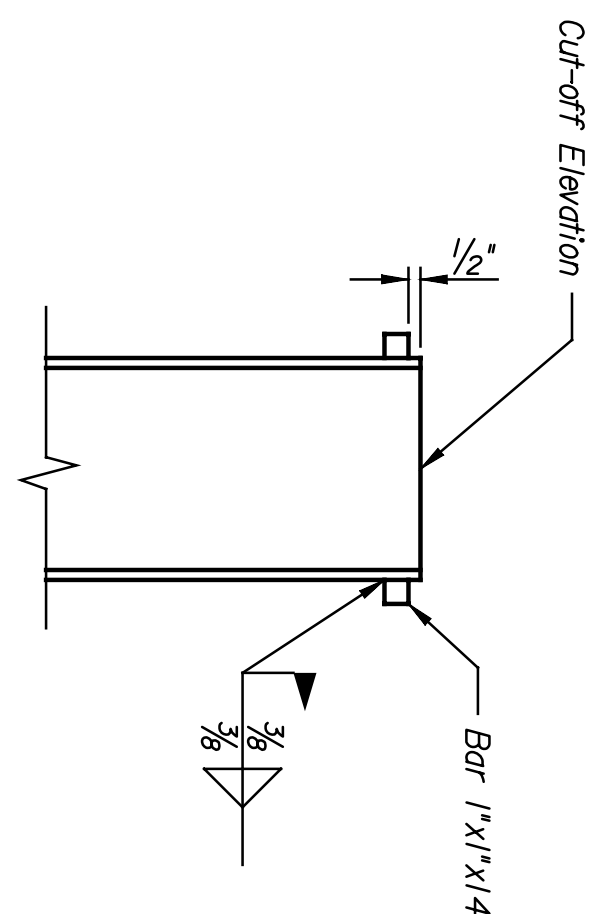
CNTB
 ARCHITECTS ENGINEERS PLANNERS

This sheet designed by:



PILE LAYOUT
 Scale: 3/8" = 1'-0"

| ABUTMENT NO. 2 PILE DATA | | | | ABUTMENT NO. 1 PILE DATA | | | | | | | | | |
|--------------------------|-----------|-------------------------|-----------------------------------|--------------------------|-------------------|---------------------------------|--------------|-----------|-------------------------|-----------------------------------|-----------------|-------------------|---------------------------------|
| PILE NO. | PILE TYPE | BOTTOM OF FOOTING (FT.) | PILE CUT-OFF ESTIMATE ELEV. (FT.) | TIP ELEV. (FT.) | PILE LENGTH (FT.) | DESIGN PILE BEARING (TONS/PILE) | PILE NO. | PILE TYPE | BOTTOM OF FOOTING (FT.) | PILE CUT-OFF ESTIMATE ELEV. (FT.) | TIP ELEV. (FT.) | PILE LENGTH (FT.) | DESIGN PILE BEARING (TONS/PILE) |
| 1-52 | HP14X89 | 1293.97 | 1295.47 | 1215.47 | 83.00 | 95 | 53-58, 60-65 | HP14X89 | 1293.97 | 1295.47 | 1230.47 | 65.00 | 79 |
| 53-58, 60-65 | HP14X89 | 1293.97 | 1295.47 | 1230.47 | 65.00 | 79 | 54-59, 61-66 | HP14X89 | 1294.20 | 1295.70 | 1243.70 | 52.00 | 62 |
| 59, 66 | HP14X89 | 1293.97 | 1295.47 | 1215.47 | 90.00 | 95 | 53, 60 | HP14X89 | 1294.20 | 1295.70 | 1215.70 | 90.00 | 95 |

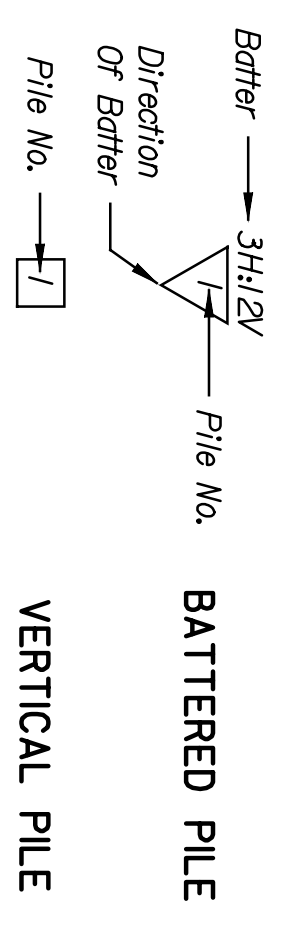


PILE SPICE DETAIL
 Not To Scale

PILE UPLIFT ANCHOR DETAIL

NOTES:
 Steel for piles shall conform to ASTM A572, Grade 50.
 Steel for H-pile splices shall conform to ASTM A572, Grade 50.
 Pile spacing is shown at the bottom of the footing.
 Pile lengths shown on the plans are estimated pile lengths for bidding purposes. Actual pile order lengths will be provided following completion of Dynamic Pile Analysis.
 Piles shall be driven to penetrate the Wellington Shale Formation. Drive all piles to the minimum tip elevation and driving criteria determined from the Dynamic Pile Analysis performed on the test piles as outlined in the specifications. Final tip elevations will be established by the Engineer, based on meeting the driving criteria.
 Driving shall stop when, in the opinion of the Engineer, additional driving may damage the pile. At any locations where problems are experienced, pile damage is suspected, or apparent refusal occurs significantly above the minimum tip elevation, the Engineer may request that additional Dynamic Pile Analysis be performed.
 Test piles shall be driven as the first piles in the footing and shall be 10'-0" longer than indicated by the estimated pile tip elevation.
 Test piles shall remain in place and be used as production piles.
 Test Piles for Abutment No. 1 are: 53 and 60.
 Test Piles for Abutment No. 2 are: 59 and 66.
 Install prefabricated H-pile splices in accordance with the manufacturer's recommendations and specifications.
 A vibration monitoring program shall be required in accordance with the specifications during pile driving and other construction activities.
 Excavations may encounter contaminated groundwater and/or soils. Federal, State and City of Wichita requirements for handling contaminated materials shall be followed.

ALTERNATE PILE SPICE DETAIL
 Not To Scale



| | | | | | |
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| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |
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CITY OF WICHITA
WICHITA CENTRAL CORRIDOR
CENTRAL FOUNDATION LAYOUT

SCALE: AS NOTED APPD.
 DESIGNED: EKD
 CHECKED: DMH
 DRAWN: DMH