

PILE/PILE CAP FOUNDATION NOTES

1. ALL PILES SHALL BE DRIVEN TO REFUSAL INTO BEDROCK.
2. ALL PILES SHALL BE PROVIDED WITH CAST STEEL DRIVING SHOES, WELDED TO THE PILES, FOR TP PROTECTION.

SLABS-ON-GRADE NOTES

1. ALL SLABS-ON-GRADE SHALL BE SUPPORTED ON A BASE OF COMPACTED TYPE-A GRAVEL MEETING THE DRAINAGE REQUIREMENTS OF UDOT STANDARD 753.05 OVER UNSATURATED EXISTING SOILS.

GENERAL FOUNDATION NOTES

1. ALL FOUNDATIONS AND WALLS SHALL BE BACK FILLED WITH COMPACTED GRANULAR SELECT FILL MEETING THE DRAINAGE REQUIREMENTS OR SELECT FILL AND HAVING THE FOLLOWING GEOTECHNICAL PARAMETERS:
UNIT WEIGHT = 130 PCF
ANGLE OF INTERNAL FRICTION = 30 DEGREE

2. FOUNDATION BACK FILL AND FILL BEHIND SLABS, PAVED AREAS AND BALUNAYS SHALL BE COMPACTED TO AT LEAST 85 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM-D1557). BACK FILL AGAINST TYPICAL ROCK WALLS AND RETAINING WALLS SHALL BE COMPACTED TO 95 PERCENT OF ASTM-D1557.

SPREAD FOOTING NOTES

1. ALL FOOTINGS HAVE BEEN DESIGNED BASED ON THE FOLLOWING GEOTECHNICAL REPORT DD-5418-3, DATED 12/14/2000 BY S.W. GALE ENGINEERING INC.

ALLOWABLE BEARING PRESSURE = 4.0 KSF (PROPOSED UNSATURATED SUB GRADE, SEE NOTE)

BASE FRICTION FOOTING = 0.45 (MASS CONCRETE TO GRANULAR BACK FILL)

PASSIVE LATERAL EARTH PRESSURE COEFF. = 3.3 (COMPACTED GRANULAR BACK FILL)

UNIT WEIGHT COMPACTED FOUNDATION BACK FILL = 130 PCF (COMPACTED GRANULAR BACK FILL)

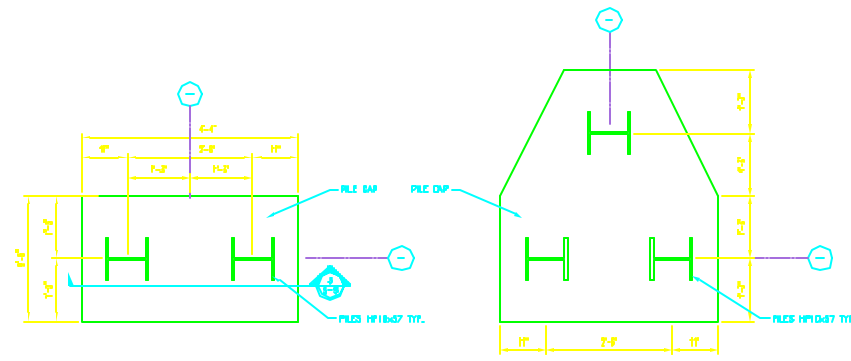
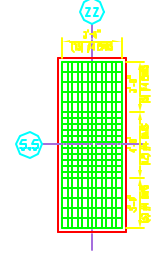
FOOTING DEPTH FOR FROST PROTECTION = 4.0 FEET

2. ALL SPREAD FOOTINGS SHALL BEAR ON A 12-INCH (MIN.) LAYER OF COMPACTED GRAVEL MEETING UDOT STANDARD SPECIFICATION 753.05 TYPE-A GRAVEL DENSIFIED TO 95 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM-D-1557 OVERLYING STABLE DEPOSITS OF DESIGNATED NATIVE SAND.

3. ALL SPREAD FOOTINGS REQUIRE OVER EXCAVATION OF EXISTING NATIVE SOILS AT LEAST 1 FOOT BELOW AND EXTENDING LATERALLY OUTWARD FROM THE EDGE OF THE FOOTING A DISTANCE EQUAL TO THE DEPTH BELOW THE FOOTING (HIVE SLOPE).

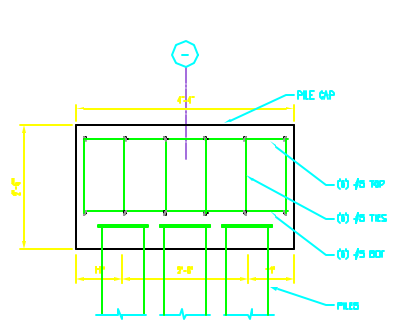
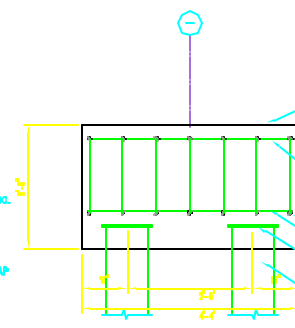
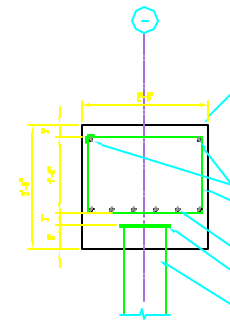
PIER SCHEDULE				
NO.	SIZE	REBAR	TIES	REMARKS
P1	14'x8'	(6) #8 BARS	(4) TIES @ 3" O.C.	-
P2	14'x8'	(6) #8 BARS	(4) TIES @ 3" O.C.	-
P3	14'x8'	(6) #8 BARS	(4) TIES @ 3" O.C.	-
P4	14'x8'	(6) #8 BARS	(4) TIES @ 3" O.C.	-

FOOTING SCHEDULE			
NO.	SIZE	REBAR	REMARKS
F1	8'-0" x 8'-0" x 8'-0"	(12) #8 BARS	12" x 12" x 8" GAP
F2	8'-0" x 8'-0" x 8'-0"	(12) #8 BARS	12" x 12" x 8" GAP
F3	8'-0" x 8'-0" x 8'-0"	(12) #8 BARS	12" x 12" x 8" GAP
F4	8'-0" x 8'-0" x 8'-0"	(12) #8 BARS	12" x 12" x 8" GAP
F5	8'-0" x 8'-0" x 8'-0"	(12) #8 BARS	12" x 12" x 8" GAP
F6	2'-0" x 2'-0" x 2'-0"	(6) #8 BARS	-



PLAN PILE CAP 1

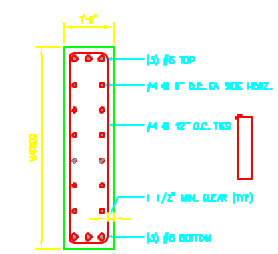
PLAN PILE CAP 2



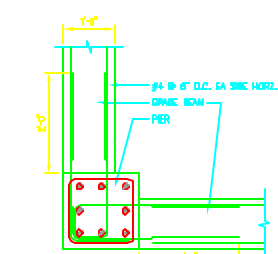
SECTION PILE CAP 1

ELEVATION PILE CAP 1

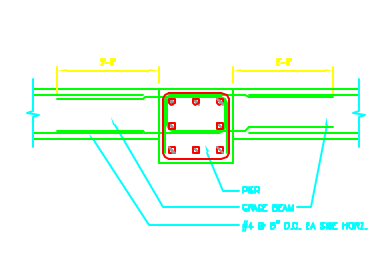
ELEVATION PILE CAP 2



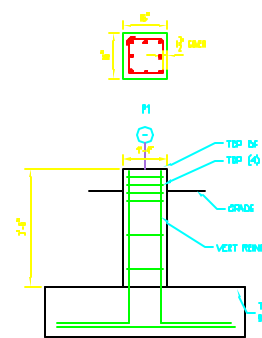
GRADE BEAM DETAIL



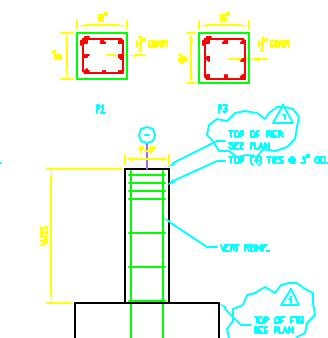
GRADE BEAM @ PIER DETAIL



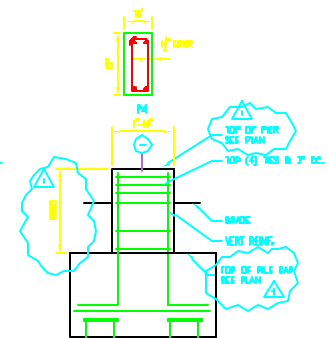
GRADE BEAM @ PIER DETAIL



PIER P1 PLAN AND ELEV.



PIER P2-P3 PLAN AND ELEV.



PIER P4 PLAN AND ELEV.

SPEAR & ASSOCIATES LLC
 Engineers and Consultants
 400 Bank Street
 Columbus, Pennsylvania 17102
 Phone: (717) 688-3333
 Fax: (717) 688-3333

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FOUNDATION DETAILS AND NOTES
 444 SPANGLER
 BARBER FOAMS
 64 ST. ROSE STREET HANOVER, PA 17331

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