

ALPHONSE & ELIZABETH
HARTUNG
ZONED: A-40

ALOIS J. LAMPERT
ZONED: A-40

MARTIN & DELORES
PIARSKI TRUST
ZONED: A-40

GRADING NOTES:

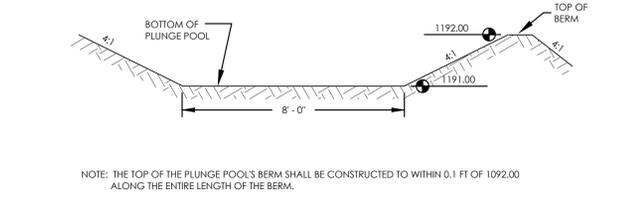
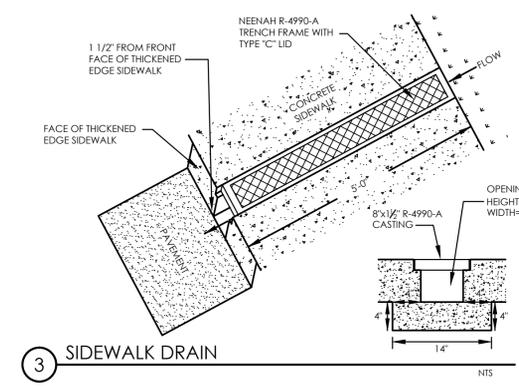
1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS, AND RIM AND INVERT ELEVATIONS, OF EXISTING DRAINAGE AND SANITARY STRUCTURES. LOCATION AND SIZE OF EXISTING SANITARY, WATER, AND STORM SEWER STUBS, AND EXISTING GRADES SHALL ALSO BE VERIFIED.
2. EXISTING TOPOGRAPHICAL INFORMATION WAS OBTAINED FROM A TOPOGRAPHICAL SURVEY COMPLETED BY BONESTROO, ST. CLOUD, MN.
3. BENCHMARK: SPIKE IN A POWER POLE LOCATED ON THE NORTH SIDE OF QUEENS ROAD NEAR THE MIDDLE OF THE PROPOSED SITE - ELEV=1211.89 CONTACT BONESTROO FOR ADDITIONAL INFORMATION
4. NOTIFY ENGINEER IMMEDIATELY IF ANY INCONSISTENCIES ARE DISCOVERED BETWEEN ACTUAL SITE CONDITIONS AND WHAT IS SHOWN ON THE PLANS, WHICH ARE SIGNIFICANT ENOUGH TO ALTER THE INTENT OF THE DRAWINGS.
5. IF REQUIRED BY THE MINNESOTA DEPARTMENT OF LABOR AND INDUSTRY, THE OWNER OR CONTRACTOR SHALL OBTAIN A PLUMBING PERMIT PRIOR TO THE INSTALLATION OF ANY STORM SEWER UTILITIES.
6. THE CONTRACTOR SHALL CONTACT GOPHER ONE CALL AT (800) 252-1166 FOR A UTILITY LOCATE PRIOR TO THE START OF CONSTRUCTION AND VERIFY LOCATIONS OF UTILITIES BEFORE BEGINNING WORK.
7. SEE SHEET CS FOR PIPE BEDDING DETAIL.
8. ALL LENGTHS OF STORM SEWER OR CULVERT PIPE SPECIFIED ON THIS PLAN INCLUDE THE LENGTHS OF ANY ASSOCIATED FLARED END SECTIONS.
9. CONTRACTOR SHALL PERFORM CALCULATIONS TO VERIFY EARTHWORK QUANTITIES. CONTRACTOR'S BID SHALL BE BASED ON EARTHWORK CALCULATIONS COMPLETED BY THE CONTRACTOR
10. SPOT ELEVATIONS ARE FLOW LINE AND/OR FINISHED GRADES, UNLESS OTHERWISE INDICATED. TOP OF CURB ELEVATIONS ARE 4" ABOVE THE FLOW LINE SPOT ELEVATION SHOWN ON THE PLANS, UNLESS NOTED OTHERWISE.
11. ALL PROPOSED ELEVATIONS ARE TOP OF PAVING OR GUTTER, UNLESS NOTED OTHERWISE. PROPOSED ELEVATIONS ARE INTENDED TO PROVIDE POSITIVE DRAINAGE TOWARDS CATCH BASINS AND/OR OUTLETS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE REQUIRED ELEVATIONS, WHICH WILL PROMOTE POSITIVE DRAINAGE THROUGHOUT THE PROJECT SITE.

NOTE: CADD FILES FOR ESTIMATING EARTHWORK QUANTITIES ARE AVAILABLE TO CONTRACTORS FOR PREPARING BIDS. IN ORDER TO RECEIVE THE CADD FILES, THE CONTRACTOR WILL NEED TO SIGN A HOLD-HARMLESS AGREEMENT PROVIDED BY SCHULTZ ENGINEERING & SITE DESIGN, AND AGREE TO PAY A \$30 PROCESSING FEE. THE CADD FILES WILL BE RELEASED UPON RECEIPT OF THE CHECK.

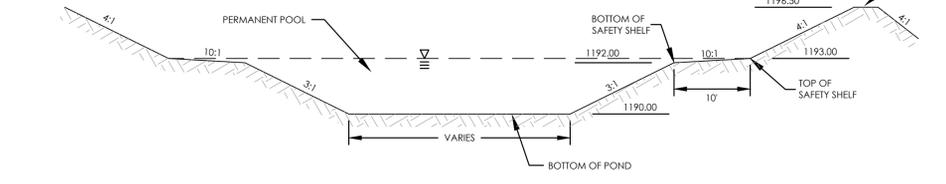
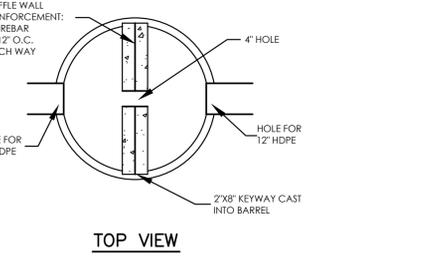
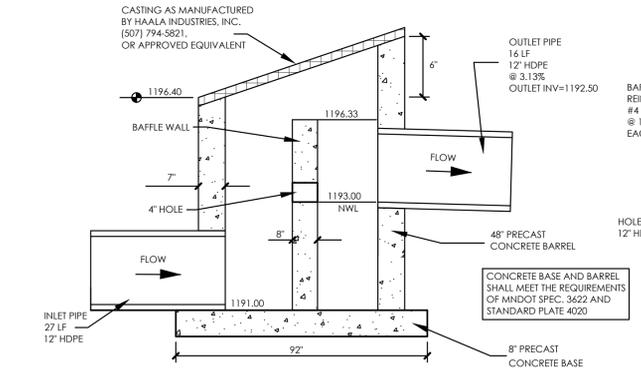
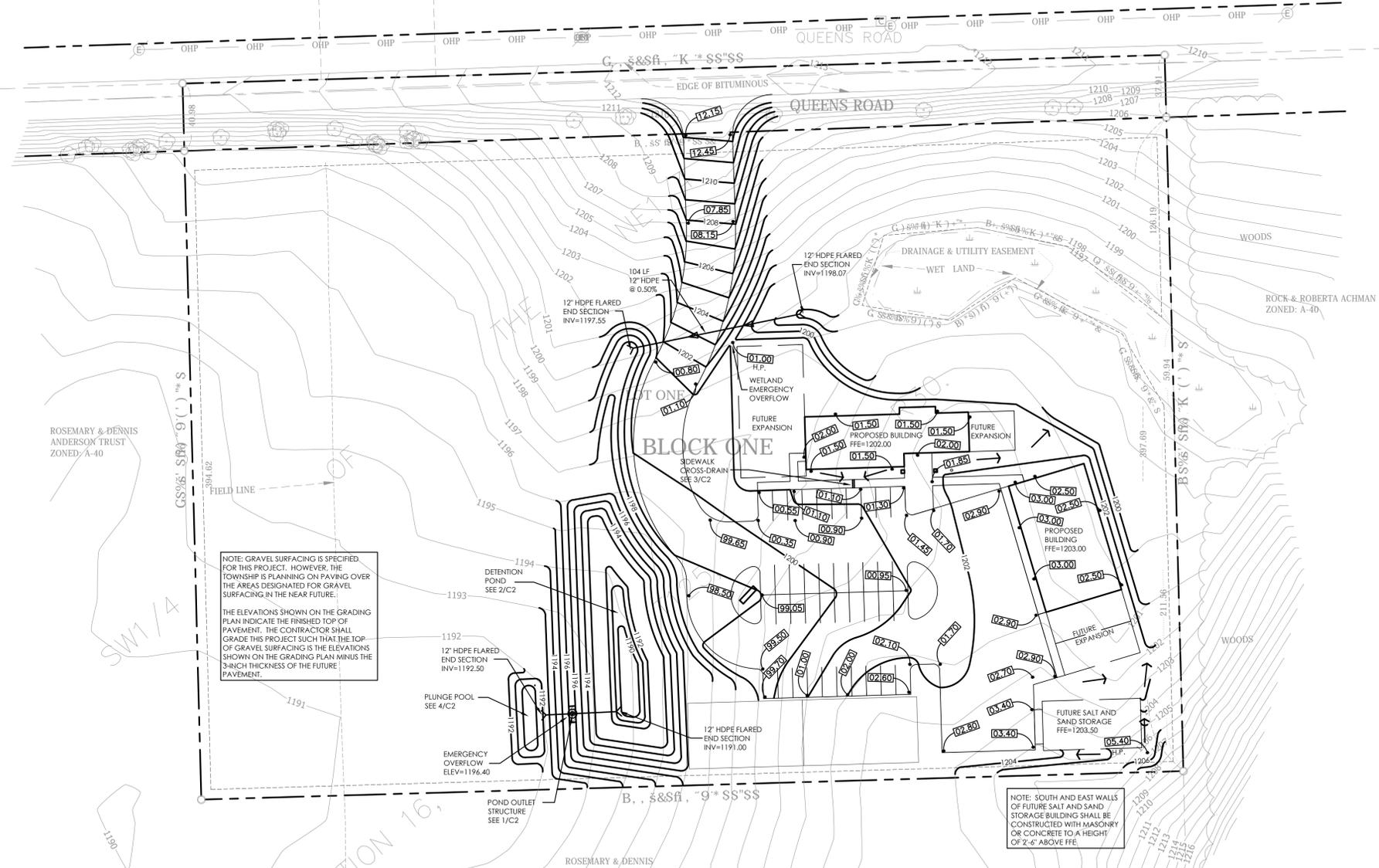
NOTE: GRAVEL SURFACING IS SPECIFIED FOR THIS PROJECT. HOWEVER, THE TOWNSHIP IS PLANNING ON PAVING OVER THE AREAS DESIGNATED FOR GRAVEL SURFACING IN THE NEAR FUTURE.

THE ELEVATIONS SHOWN ON THE GRADING PLAN INDICATE THE FINISHED TOP OF PAVEMENT. THE CONTRACTOR SHALL GRADE THIS PROJECT SUCH THAT THE TOP OF GRAVEL SURFACING IS THE ELEVATIONS SHOWN ON THE GRADING PLAN MINUS THE 3-INCH THICKNESS OF THE FUTURE PAVEMENT.

NOTE: SOUTH AND EAST WALLS OF FUTURE SALT AND SAND STORAGE BUILDING SHALL BE CONSTRUCTED WITH MASONRY OR CONCRETE TO A HEIGHT OF 2'-6" ABOVE FFE.



NOTE: THE TOP OF THE PLUNGE POOL'S BERM SHALL BE CONSTRUCTED TO WITHIN 0.1 FT OF 1092.00 ALONG THE ENTIRE LENGTH OF THE BERM.



1 OUTLET STRUCTURE

2 DETENTION POND PROFILE

4 PLUNGE POOL PROFILE

GRADING PLAN

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.

Blair J. Schultz, PE
Date: 02/03/2010 License No.: 48129

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AVON TOWNSHIP FACILITIES QUEEN'S ROAD SITE
AVON TOWNSHIP, MINNESOTA PROJECT 10001

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