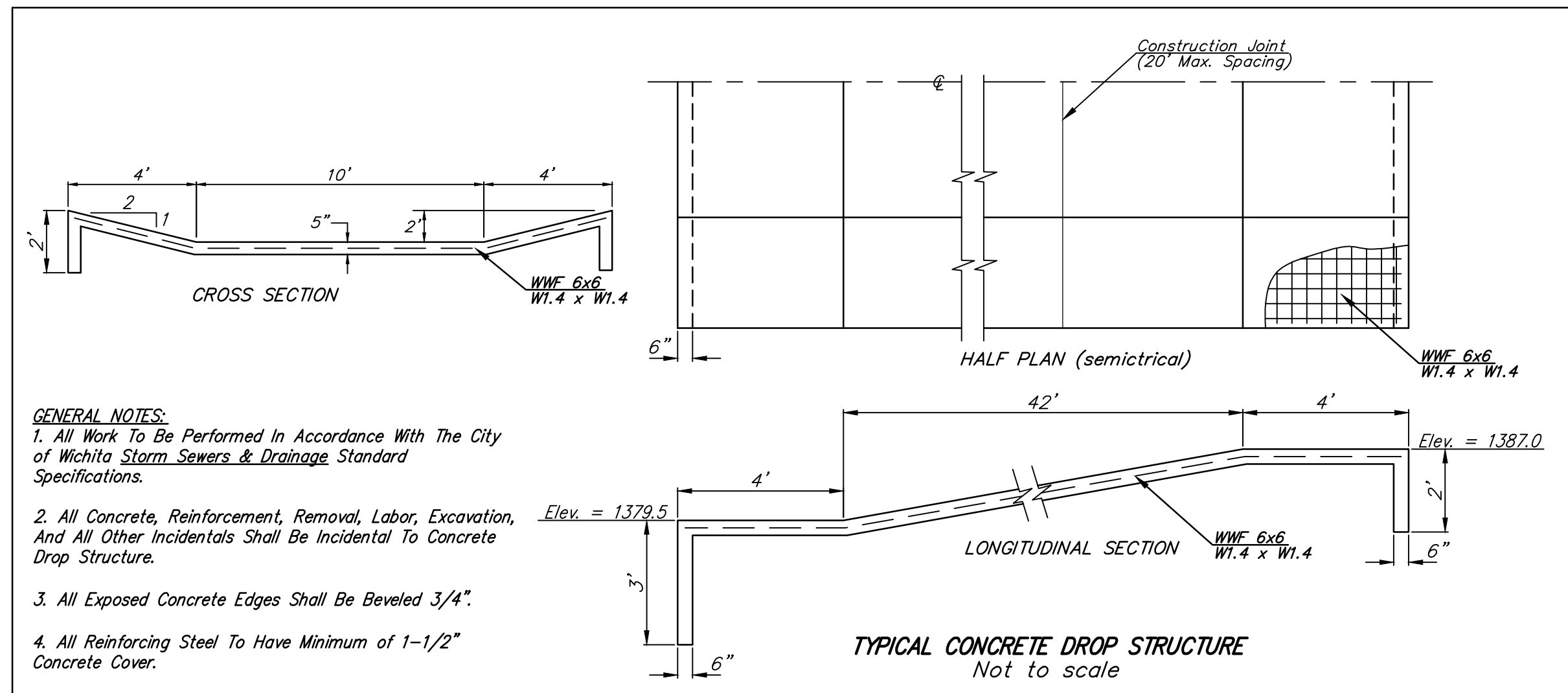
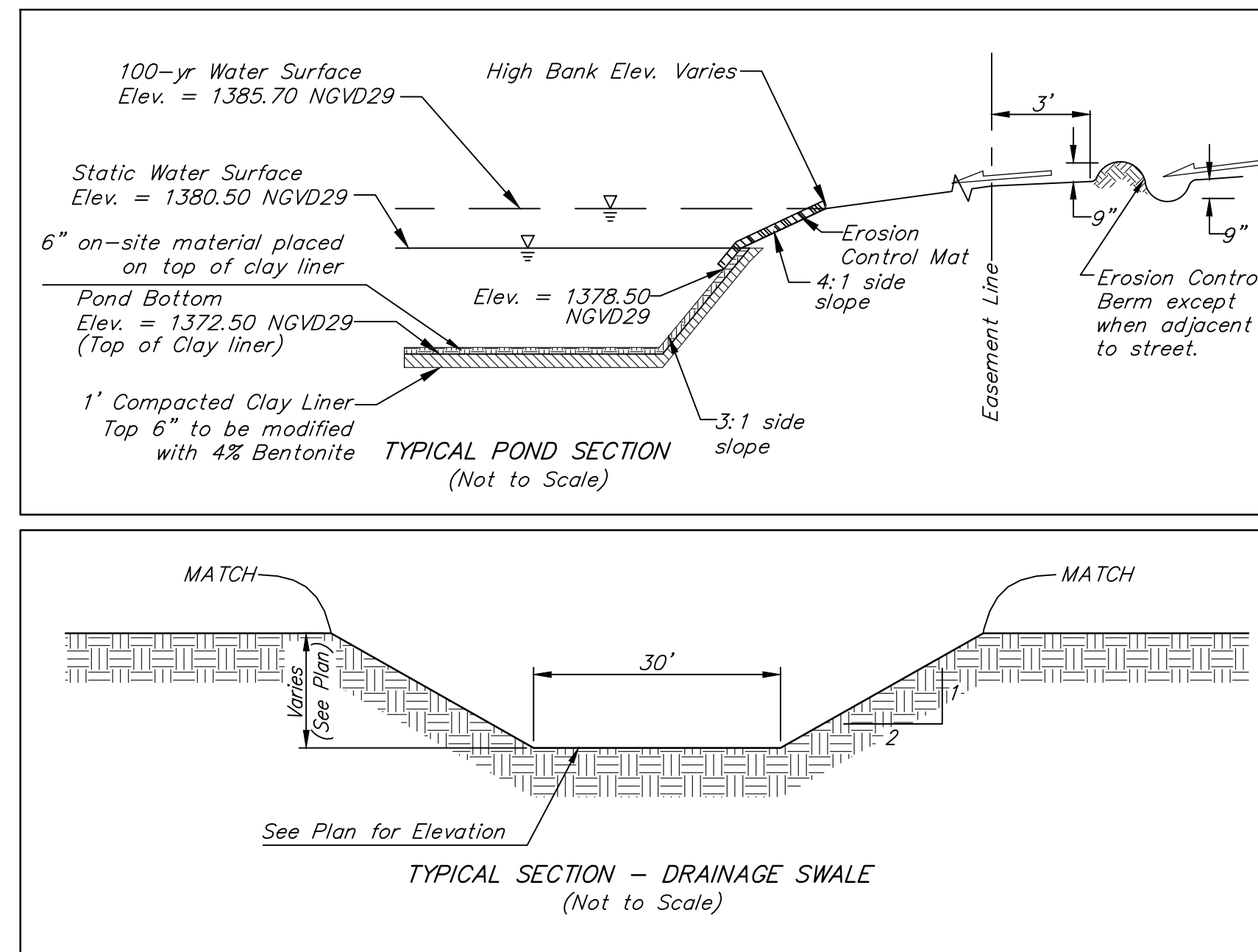


NOTES:

- Pond bottom and sideslopes below static pool elevation shall be over-excavated 1' and a 1' clay liner shall be compacted to 95% std. density. The top 6" of the clay liner shall be modified with Wyoming Bentonite Clay at a rate of 4%. All costs including clay, manipulation, hauling, compacting, etc. shall be included in the bid item, "Pond Sealing". The plasticity index (P.I.) shall be at least 27. The compaction and P.I. shall be verified during construction. 6" of on-site material shall be distributed on top of the clay line below the static pool elevation. P.I. determination and compaction testing shall be arranged and paid for by the contractor at the request of the inspector. Cost shall be incidental to "Site Restoration". Cost of over-excavation to install Clay Liner shall be incidental to bid item, "Excavation, Unclassified".
- Earthwork shall NOT be stockpiled. Excess material shall be used to fill between street R/W and Building Setback at an elevation equal to the street R/W elevation.
- All of Reserve "E" above the static water surface and disturbed areas in 29th St N. and Res. "B" of Greenwich Business Center Addition, shall be seeded as follows: (Permanent Seeding)
SEED -- Kansas Premium Fescue Blend; 350#/Acre & Annual Rye 75#/Acre.
FERTILIZER -- 12-24-12 Ratio at 350 Lbs./Ac.
MULCH -- 2 Tons Prairie Hay / Acre (only in areas without erosion control mat)
 All other disturbed areas not in street R/W are to be seeded as follows: (Temporary seeding)
SEED -- Rye grass (PLS)--220#/Acre.
- Install Erosion Control Mat (Curlex II or approved equal) from 2' below the water surface to top bank or as shown on this plan. To be paid for as bid item "Erosion Control Mat".
- Contractor to strip top 3" of soil within Res. "E" and street R/W before mass grading and stockpile. Top soil stockpile to be redistributed over Reserve "E" above water elevation prior to seeding.
- Compaction of 95% shall be obtained in all street R/W's, 90% in all other areas.



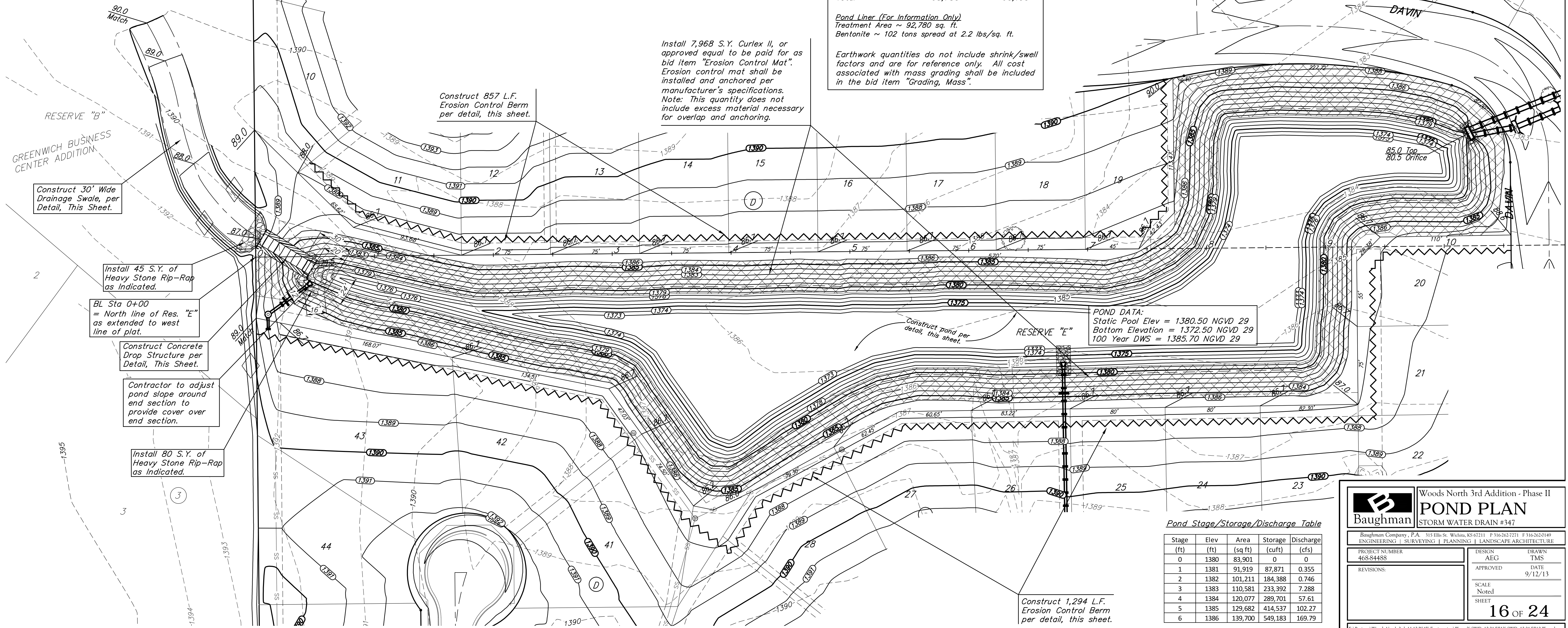
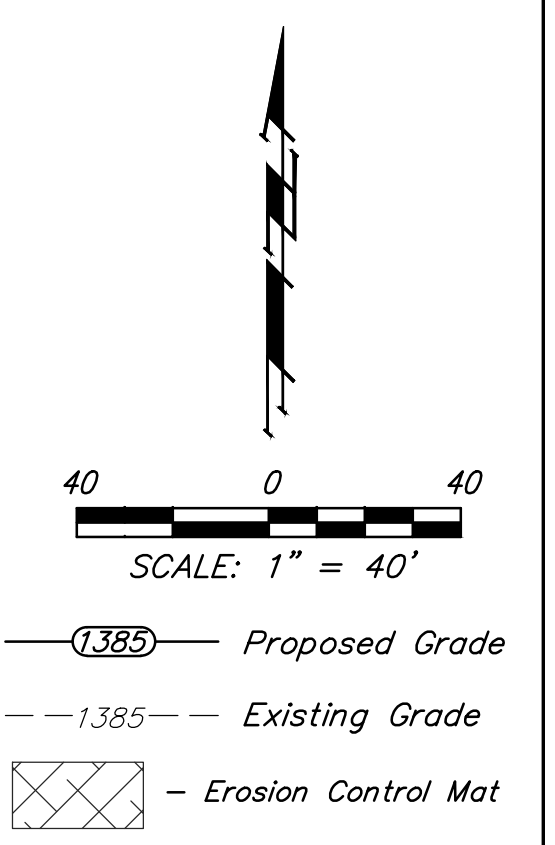
- GENERAL NOTES:**
- All Work To Be Performed In Accordance With The City of Wichita Storm Sewers & Drainage Standard Specifications.
 - All Concrete, Reinforcement, Removal, Labor, Excavation, And All Other Incidentals Shall Be Incidental To Concrete Drop Structure.
 - All Exposed Concrete Edges Shall Be Beveled 3/4".
 - All Reinforcing Steel To Have Minimum of 1-1/2" Concrete Cover.

EARTH WORK TOTALS

	C.Y. Excavation	C.Y. Fill
Mass Grading	23,940	59,180
Pond Construction	41,790	1,010
Total	65,730	60,190

Pond Liner (For Information Only)
 Treatment Area ~ 92,780 sq. ft.
 Bentonite ~ 102 tons spread at 2.2 lbs./sq. ft.

Earthwork quantities do not include shrink/swell factors and are for reference only. All cost associated with mass grading shall be included in the bid item "Grading, Mass".



Pond Stage/Storage/Discharge Table

Stage (ft)	Elev (ft)	Area (sq ft)	Storage (cuft)	Discharge (cfs)
0	1380	83,901	0	0
1	1381	91,919	87,871	0.355
2	1382	101,211	184,388	0.746
3	1383	110,581	233,392	7.288
4	1384	120,077	289,701	57.61
5	1385	129,682	414,537	102.27
6	1386	139,700	549,183	169.79

Baughman Woods North 3rd Addition - Phase II
POND PLAN
 STORM WATER DRAIN #347

Baughman Company, P.A. 315 Ellis St., Wichita, KS 67211 P 316-262-2771 F 316-262-0149
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 468-84488 DESIGN AEG DRAWN TMS
 APPROVED DATE 9/12/13
 SCALE Noted SHEET

16 OF 24

E:\Projects\Woods North 3rd, 1142\PM4\Engineering\Phase 2\SWD\1204-ET10\SWD_1204-ET10_Plans.dwg