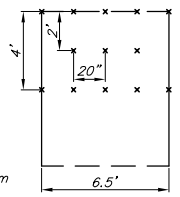
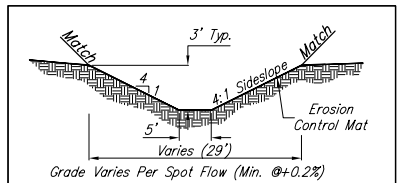
STAPLE PATTERN

3–1/2 staples per sq. yd. using 6–inch, 11 ga. wire "U" staples. 8–inch staples and longer may be used for loose soils. 9 ga. staples or heavier may be necessary in hard or rocky soils.

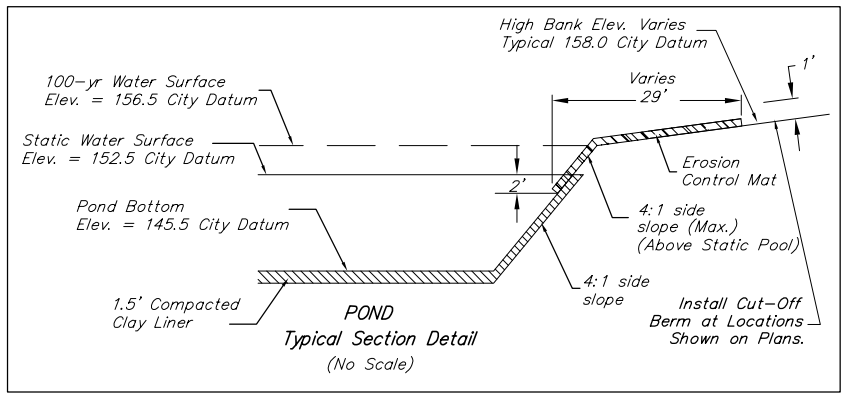
Contractor shall follow manufacturers installation instructions regarding overlap dimensions. The overlap shall have a minimum dimension of three inches (3").





Typical Ditch Detail

No Scale



POND
Typical Section Detail
(No Scale)

SCALE: 1" = 30'
• = Iron

BM#1: "□" Cut top of curb on the southeast top of curb return, 46.66' East and 19.46' South of the intersection of Thurman & Evegreen.
Elev. = 166.10 (city datum)
1353.50 (NGVD)

BM#2: "□" Cut top of curb on the south side curb line of the north Suncrest Ave. a distance of 97.86' East & 2.17' South of Lot 1, Blk. A, English Country Gardens Addition.
Elev. = 158.61 (city datum)
1346.01 (NGVD)

145 Existing Grade

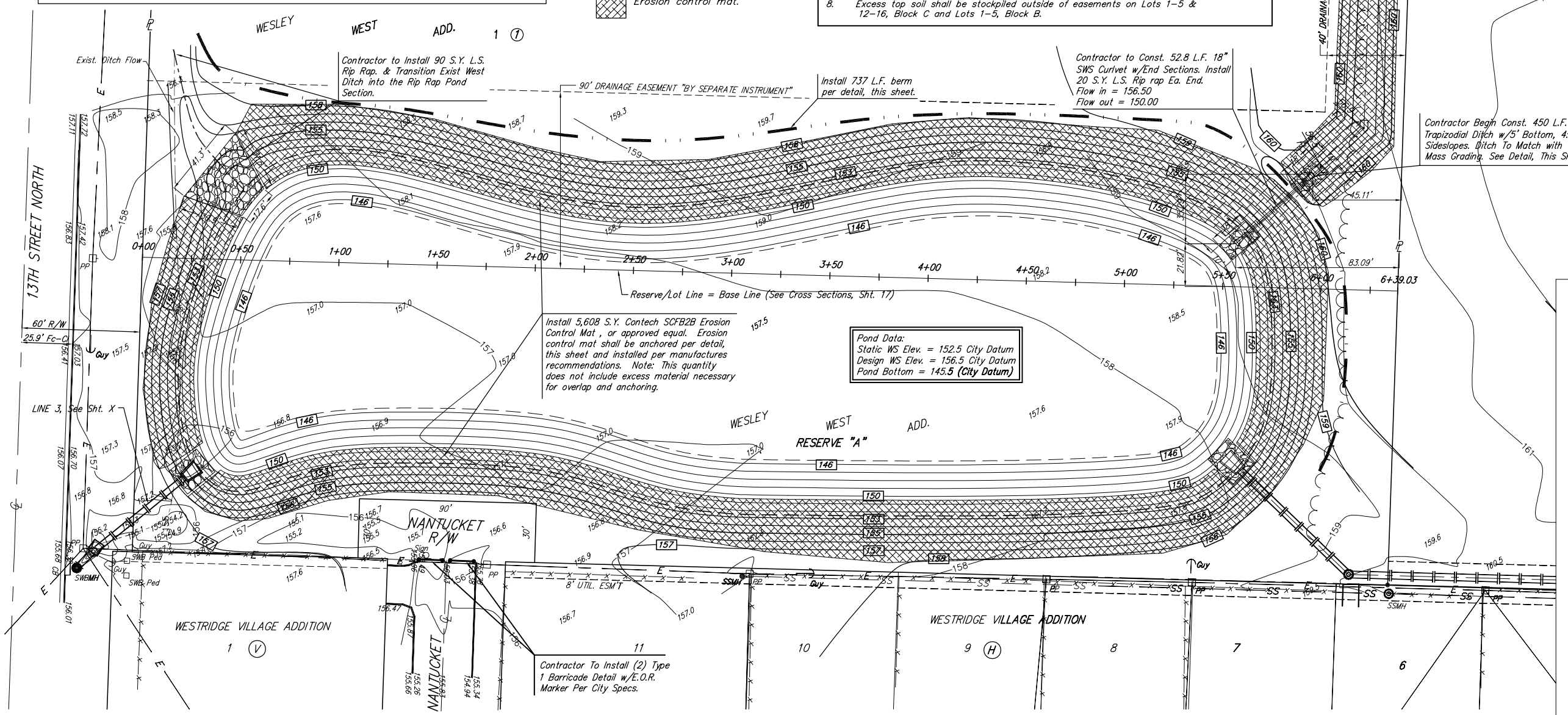
165 Proposed Grade

Erosion control mat.

NOTES:

1. Pond #1 bottom and sideslopes below static pool elevation shall be over–excavated 18" and an 18' clay liner shall be compacted to 95% std. density. The plasticity index (P.I.) shall be at least 30. The compaction and P.I. shall be verified during construction. P.I. determination and compaction testing shall be arranged by the contractor at the request of the inspector. Cost shall be incidental to "Site Clearing & Restoration".
2. Any excess excavation shall be stored as indicated by Engineer, out of easements and R/W. Area will be staked by Engineer. Additional area will be staked out if needed.
3. All of the Pond above the static water surface shall be seeded and mulched as follows: (Permanent Seeding)
   SEED –– Kansas Premium Fescue Blend; 8#/1000 Sq. Ft.
   FERTILIZER –– 12–24–12 Ratio at 350 Lbs./Ac.
   MULCH –– 2 Tons Prairie Hay / Acre

   All other disturbed areas including not in street R/W are to be seeded and mulched as follows: (Temporary seeding)
   SEED –– Rye grass (PLS)––5#/1000 Sq. Ft.
   MULCH –– 2 Tons Prairie Hay / Acre
   Cost of seeding and mulching shall be incidental to "Project Seeding".
4. Install Erosion Control Mat in the Pond from 2' below the water surface to high bank.
5. Contractor to strip and stockpile top 3" of soil before mass grading in street right–of–ways and Reserves. Top soil stockpile to be redistributed over entire disturbed area within the Reserves to achieve planned grade. All areas around the pond and reserves to be seeded shall have 12" of top soil placed in seeding areas.
6. Compaction of 95% shall be obtained under proposed pavement and 90% compaction in all other fill areas.
7. Contractor shall fill Pond with water to static level. All costs and permitting associated with filling the pond shall be incidental to bid item, "Site Clearing & Restoration."
8. Excess top soil shall be stockpiled outside of easements on Lots 1–5 & 12–16, Block C and Lots 1–5, Block B.



EARTH WORK TOTALS	C.Y. Cut	C.Y. Fill
Mass Grading	6,322	31,126
Pond	37,972	0
Total	44,294	31,126
15% correction for losses due to shrink & swell		
Total	37,650	35,795
Net Excess		1,855

FOR INFORMATION ONLY!

ENGLISH COUNTRY GARDENS ADDITION
POND PLAN
STORM WATER DRAIN IMPROVEMENTS

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316–262–7271 • 315 ELLIS • WICHITA, KANSAS 67211

03–11–E740

PROJECT NUMBER	SHEET
488-83756	16 OF 31

DESIGN	DRAWN	APPROVED	DATE	SCALE
SCL	SCL		02/04	NOTE

SMD.DWG