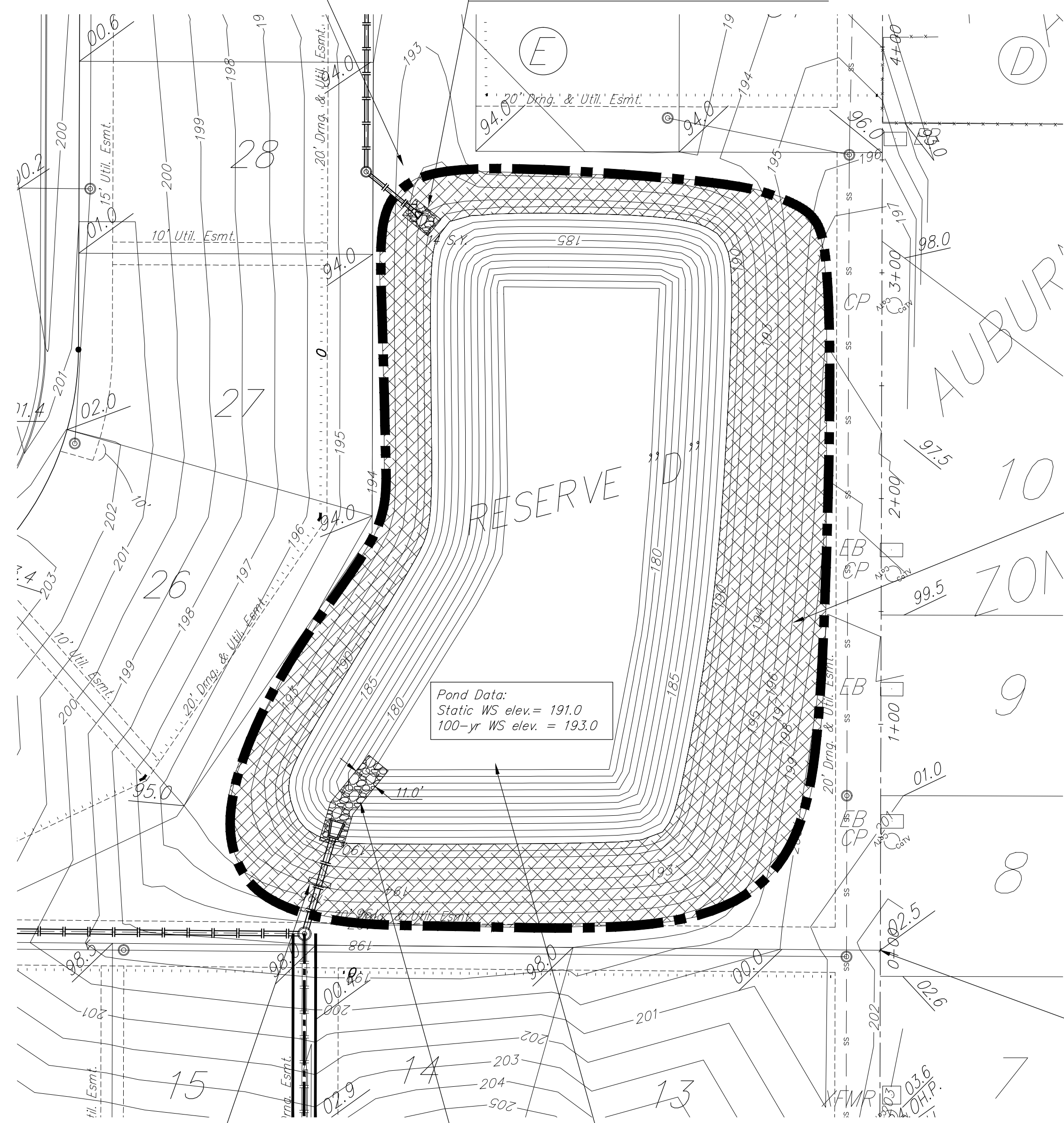


Install Straw Wattle Linear Barrier on Disturbed Areas only per Detail This Sheet

Contractor to Remove 14 S.Y. Existing Rip-Rap at Pond Outlet Below Static Water Surface, Overexcavate, Install Pond Liner and Replace per City Specs. No Toe Wall Needed due to Location as Pond Outfall



Scale: 1" = 40'

Install Curlex II, or approved equal on disturbed areas only within hatched area. Erosion control mat shall be installed and anchored per manufacturer's specifications.

Pond Data:
Static WS elev. = 191.0
100-yr WS elev. = 193.0

BL Sta 0+00 = NE corner of Lot 13, Block E, Auburn Hills 16th Add.

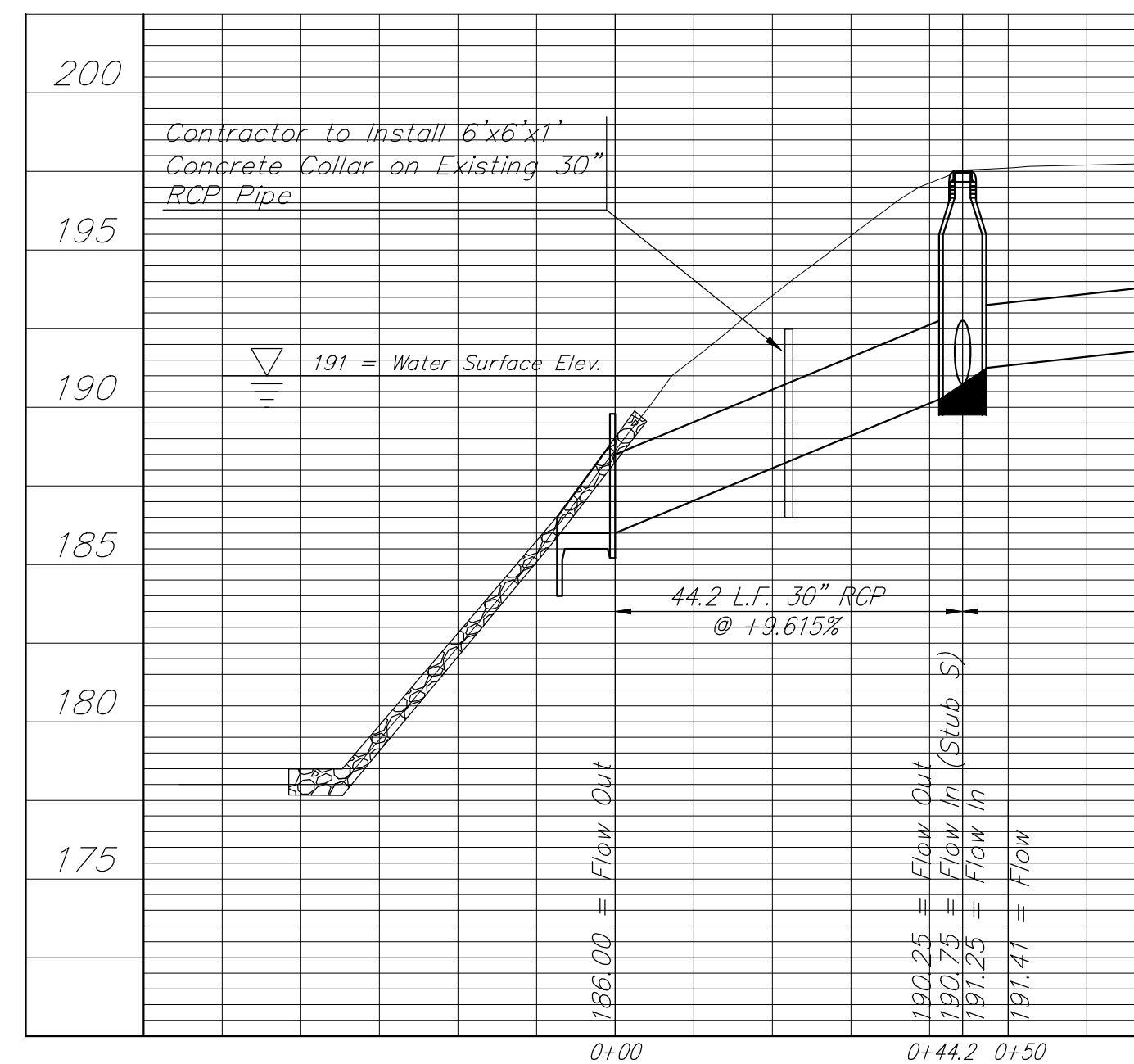
Contractor to Install 6'x6'x1' Concrete Collar on Existing 30" RCP Pipe

Contractor to Drain Existing Pond, Remove Sediment Above Existing Clay Liner or Import Suitable Pond Liner Material to Construct Liner over Existing Material. Install Clay Liner per Notes, This Sheet

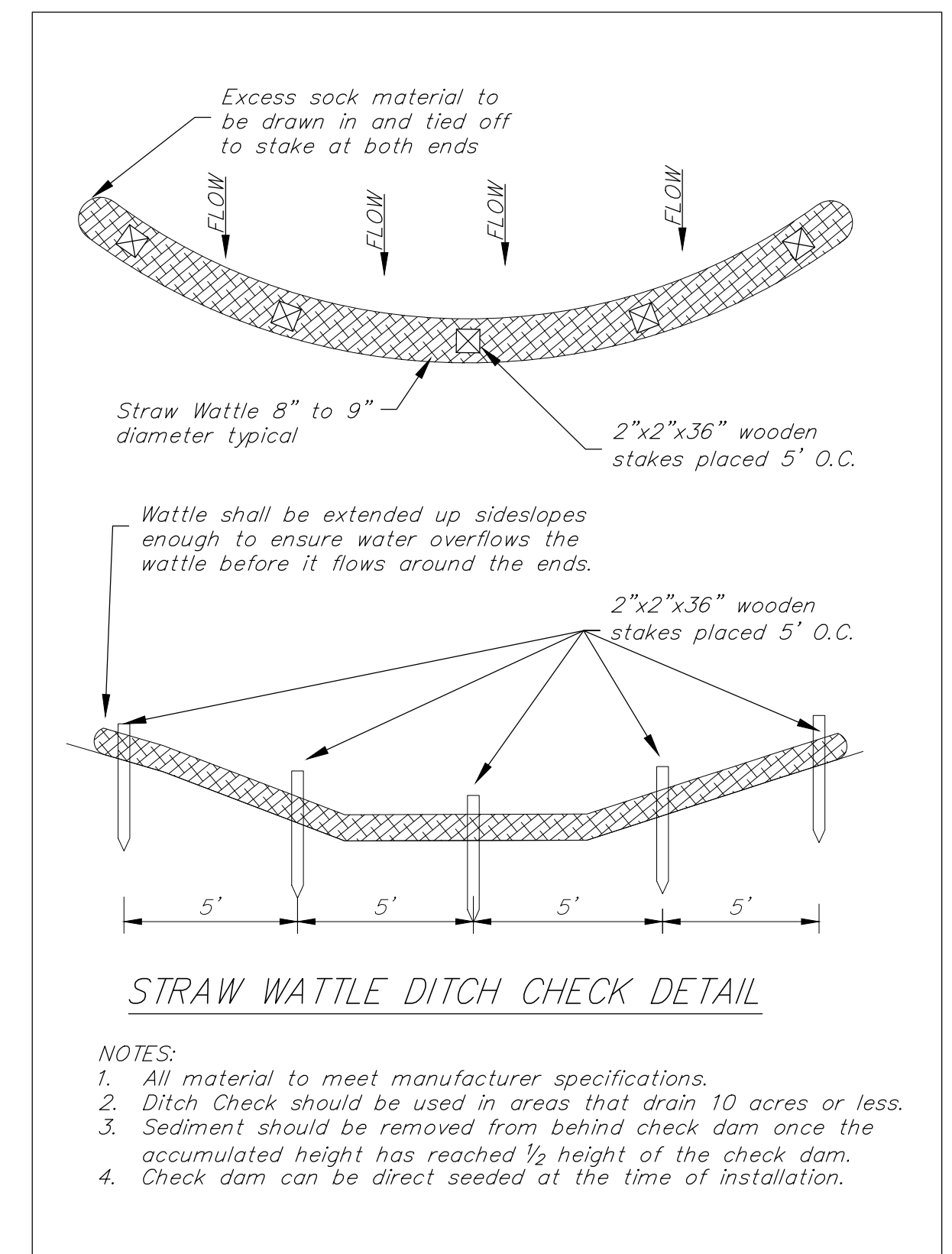
Contractor to Remove 16 S.Y. Existing Rip-Rap, Overexcavate, Install Pond Liner and Replace with 50 S.Y. Heavy Stone Rip-Rap as Shown and per Detail, This Sheet. No Toe Wall needed Due to Rip-Rap Extending to Pond Bottom

NOTES:

- Pond bottom and sideslopes below static pool elevation shall be modified as follows:
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 liner 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, "Pond Sealing".
- Install Erosion Control Mat (Curlex II or approved equal) from 2' below the water surface to top bank or as shown on this plan in disturbed areas only. To be paid for as bid item "Erosion Control Mat".
- All disturbed areas of Reserve "D" above the erosion control mat shall be seeded and mulched as follows: (Permanent Seeding)
SEED -- Kansas Premium Fescue Blend; 350#/Acre & Annual Rye 75#/Acre.
FERTILIZER -- 12-24-12 Ratio at 45 Lbs./Ac.
MULCH -- 2 Tons Prairie Hay / Acre (only in areas without erosion control mat)
All other disturbed areas are to be seeded as follows: (Temporary seeding)
SEED -- Rye grass (PLS)--220#/Acre.
- Contractor shall contact Rodney Wright with HOA Management at 351-7650 prior to construction to coordinate work in area of sprinklers. Sprinkler heads and lines shall be located prior to construction and protected from damage. Sprinklers shall be tested before and after construction to verify that they are left in pre-construction operating condition after construction. Any cost to repair sprinklers damaged during construction shall be included in bid item "Site Restoration."
- Contractor may access pond through vacant lots 14, 16, 25-29, and 31 Block E, Auburn Hills 16th Addition.

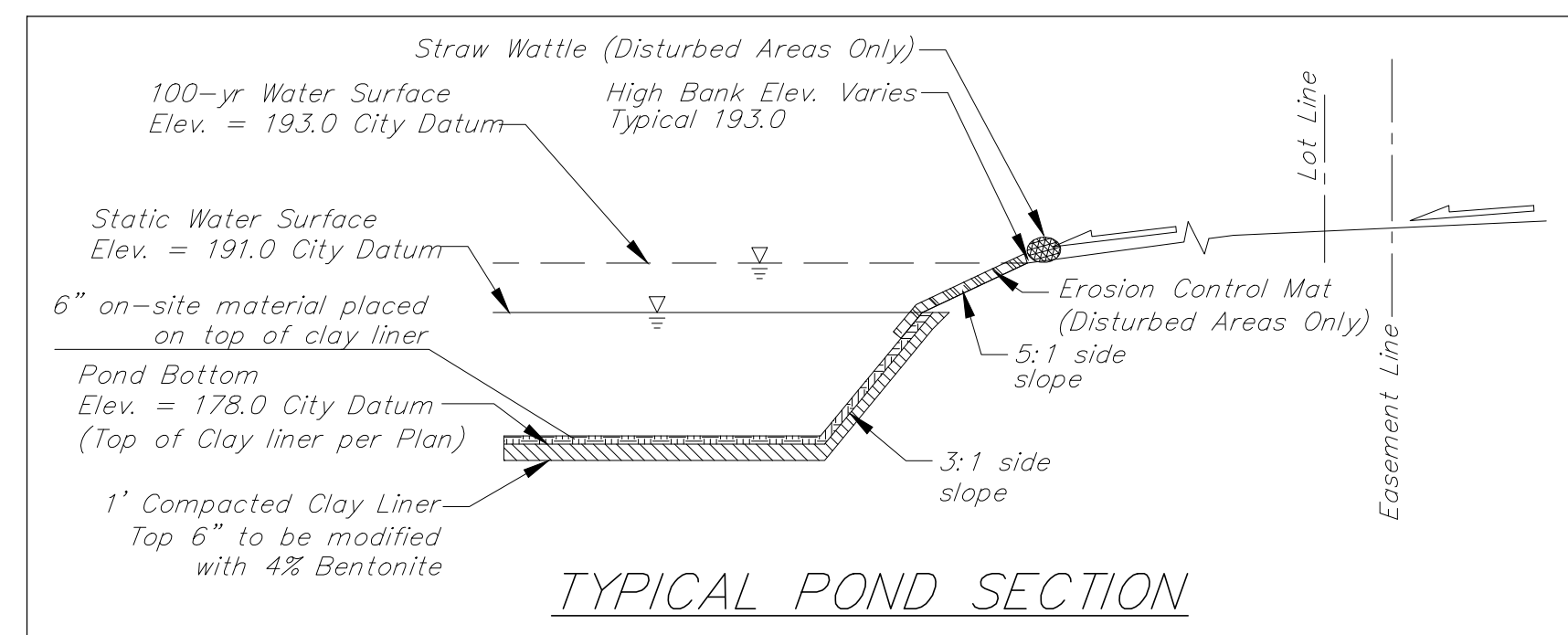


EXISTING 30" SWS PIPE

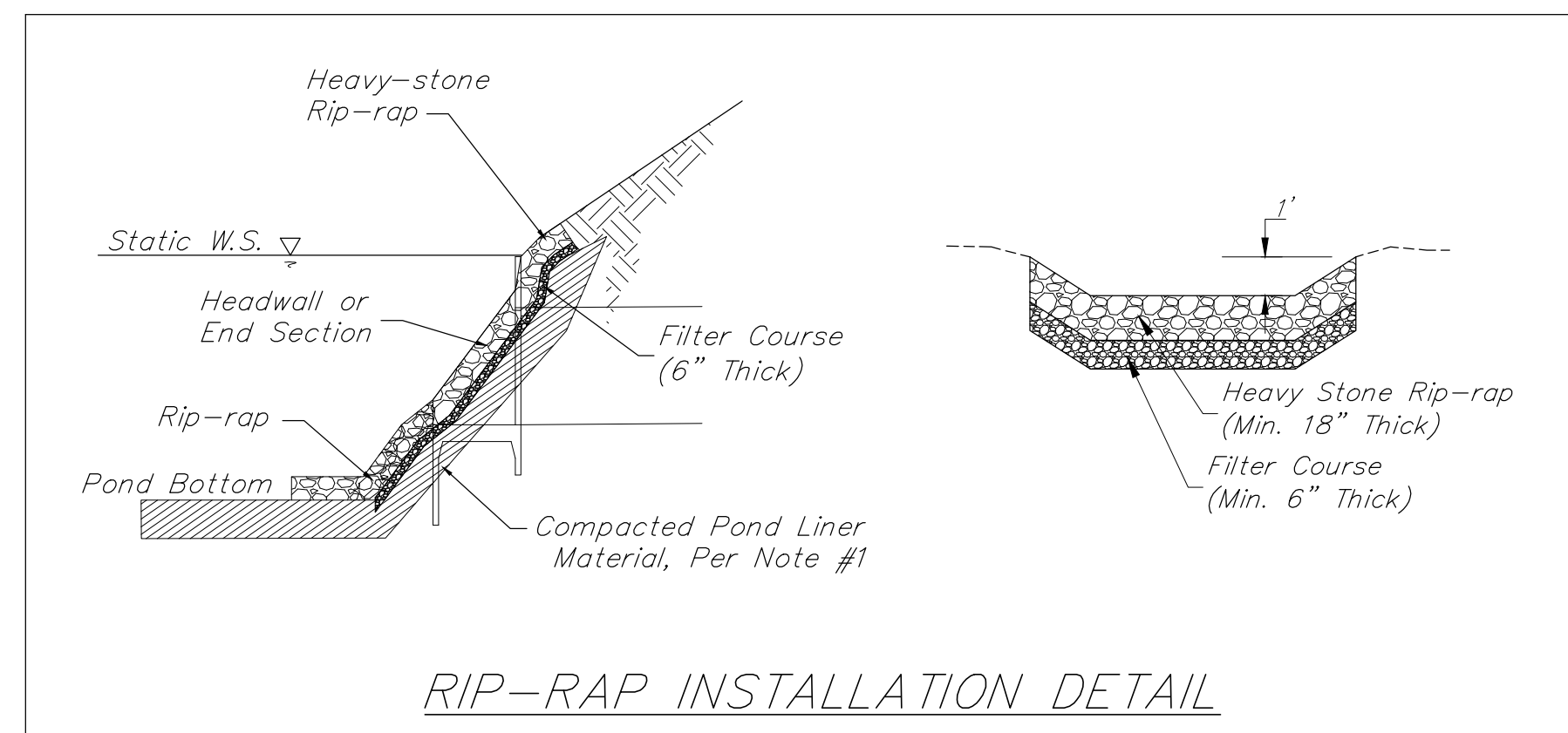


STRAW WATTLE DITCH CHECK DETAIL

- NOTES:**
- All material to meet manufacturer specifications.
 - Ditch Check should be used in areas that drain 10 acres or less.
 - Sediment should be removed from behind check dam once the accumulated height has reached 1/2 height of the check dam.
 - Check dam can be direct seeded at the time of installation.



TYPICAL POND SECTION



RIP-RAP INSTALLATION DETAIL



Pond Liner (For Information Only)
Treatment Area ~ 49,695 sq. ft.
Bentonite ~ 55 tons spread at 2.2 lbs./sq. ft.

| | | | |
|---|---------------|--|-------------------|
| Baughman | | AUBURN HILLS 16TH PHASE 1A Reserve "D" Pond Sealing Plan | |
| Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-263-2271 F 316-263-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE | | | |
| PROJECT NUMBER 472-84290 | DESIGN AEG | DRAWN RDM | DATE 08/08/16 |
| REVISIONS: | APPROVED | SCALE NOTED | SHEET 10 OF 21 |
| AUBURN HILLS 16TH/SWD/POND_23 | | | |