

BENCHMARK:
BM #1: "□" Cut in middle of
N headwall of RCB on 21st
St. North. 1004.3' W & 22.1'
N of SE Cor., SE1/4, Sec. 2,
T-27-S, R-2-E.
Elev. = 173.23 City Datum

BM #2: "□" Cut at the SE
corner of the intersection of
Castle Rock & Castle Rock Ct.,
Krug North Addition.
Elev. = 183.50 City Datum

Construct 1,825 L.F.
cut-off trench per
detail, this sheet. Cost
to be included in "Soil
Erosion BMPs".

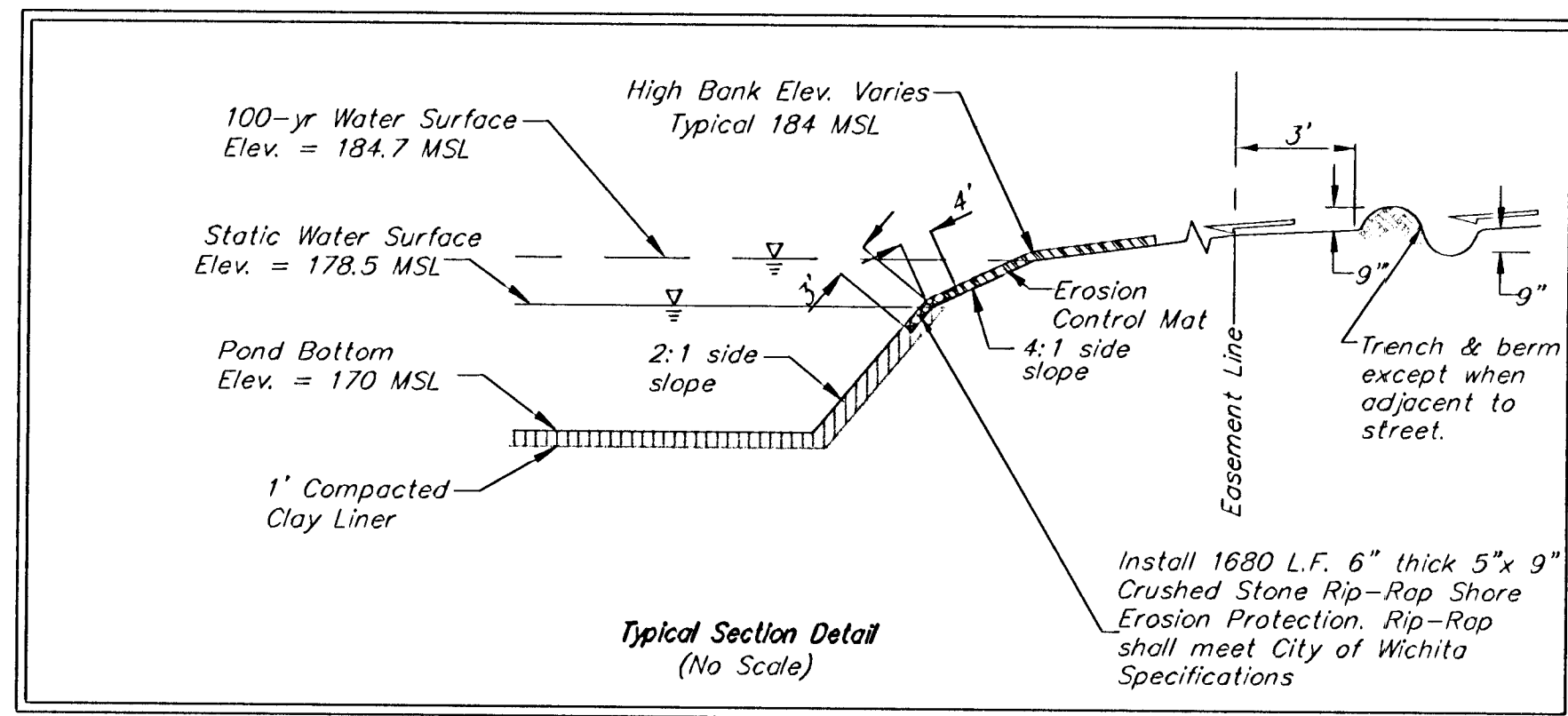
Construct pond per
detail, this sheet.
Prop WSE = 178.5
Pond Bottom = 170.0
100 yr. WSE = 184.7

Install 3,455 S.Y. North American
Green Erosion Control Mat SC150,
or approved equal. Erosion
control mat shall be installed
and anchored per details, this
sheet. Note: This quantity does
not include excess material
necessary for overlap and
anchoring.

EARTH WORK TOTALS

	C.Y. Cut	C.Y. Fill
Mass Grading	29,517	104,290
Pond Construction	77,774	198
Total Earthwork	107,291	104,488

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



Scale: 1" = 60'

—(185)— Existing Grade
—185— Proposed Grade
— Cut-off Trench

EROSION CONTROL PLAN LEGEND

(Installation Details Found in the SWP2 Plan)

- LIGHT STONE RIP-RAP
 - DROP INLET PROTECTION
 - CURB INLET PROTECTION
 - STRAW BALE BARRIERS
 - SILT FENCING
 - EARTH DIKES
- NO SCALE

EROSION CONTROL MEASURE	UNITS	QUANTITY
SILT FENCE	L.F.	3965
RIPRAP	S.Y.	SEE PLAN
DROP INLET BARRIER	E.A.	8
CURB INLET BARRIER	E.A.	0
STRAW BALE DITCH CHECK	E.A.	32
CUTT-OFF TRENCH	L.F.	1825
CURLEX	S.Y.	0
POND E.C. BLANKET	S.Y.	3455
Construction Entrance	E.A.	1

QUANTITIES ARE FOR INFORMATION ONLY!

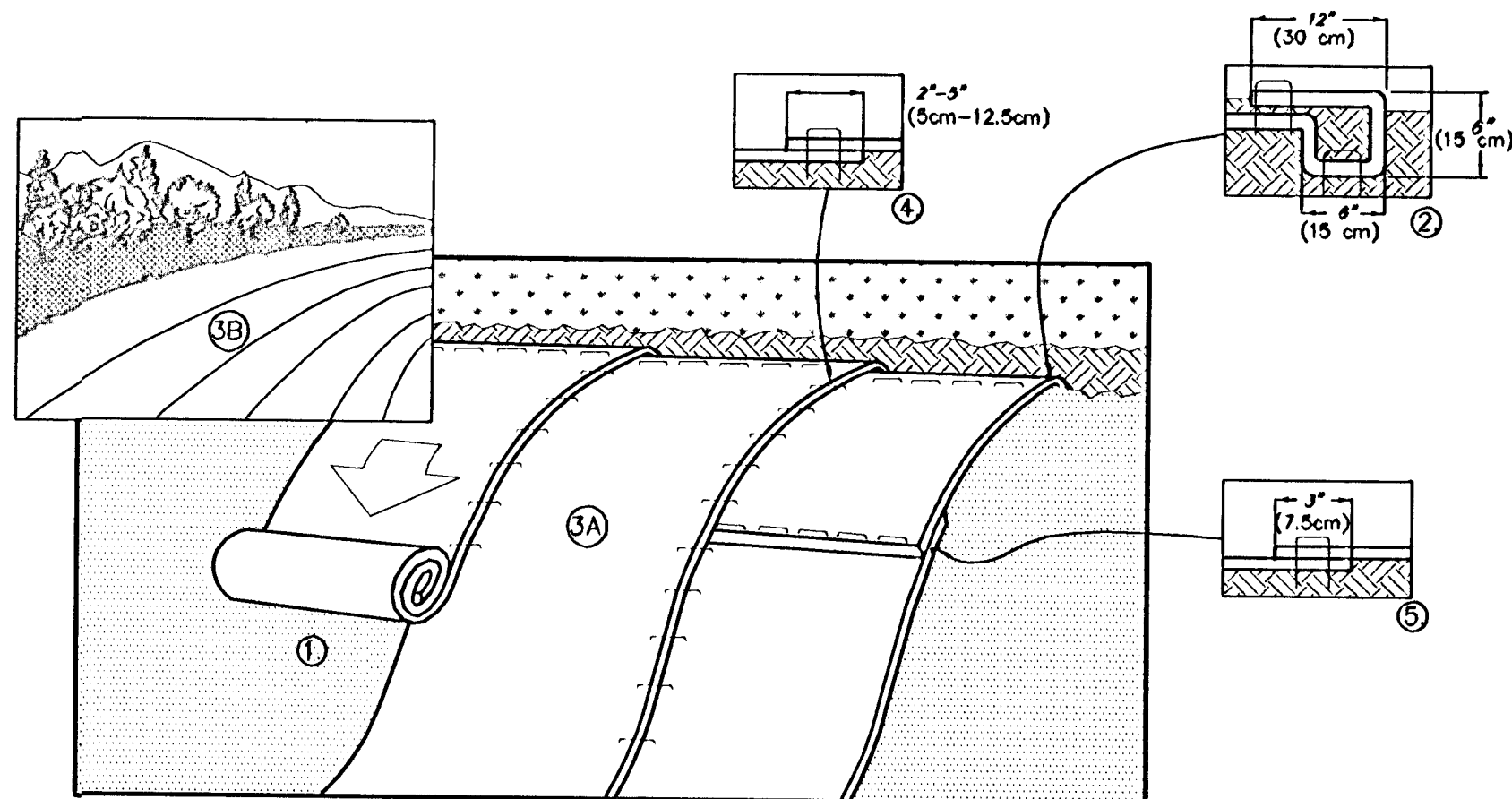
NOTES:

- 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 material that is to be used shall be Wyoming Bentonite Clay and 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". Cost of over-excavation to install Clay Liner shall be incidental to bid item, "Excavation."
- Any excess excavation shall be stockpiled on-site at an area indicated by the Engineer out of easements and R/W. Area will be staked by Engineer.
- All of Reserve "B" 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 not in street R/W are to be seeded as follows: (Temporary seeding)
SEED -- Rye grass (PLS)--5#/1000 Sq. Ft. and
Kansas Premium Fescue Blend; 5#/1000 Sq. Ft.

- Install Erosion Control Mat from 1' below the water surface to 18' up the bank.
- Contractor to strip top 3" of soil within Res. "B" and street R/W before mass grading and stockpile. Top soil stockpile to be redistributed over Reserve "B" above water elevation prior to seeding.
- Compaction of 95% shall be obtained in all street R/Ws, 90% in all other areas.

SLOPE INSTALLATION



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nagreen.com

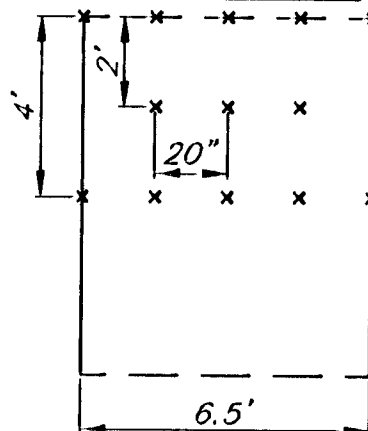
STAPLE PATTERN "D"

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 manufac-
turers installation instructions
regarding overlap dimensions.
The overlap shall have a minimum
dimension of three inches (3").

Erosion control mat.

STAPLE PATTERN



Remove trees only as necessary
for construction and only with
permission of Developer or
Baughman Co. Cost of removal
to be incidental to lump sum
bid item "Site Clearing &
Restoration".

Baughman		KRUG NORTH 2ND/KRUG NORTH ADD. - PH. II	
POND PLAN		WICHITA, KANSAS	
Baughman Company, P.A. 315 E. 18th St. Wichita, KS 67211 F 316-262-7271 F 316-262-0149			
ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE			
PROJECT NUMBER 468-83793	DESIGN TMS	DRAWN TMS	
REVISIONS	APPROVED	DATE 07/05	
	SCALE Noted	SHEET	
			5 OF 28
KrugNorth2ndVPhaseIVPond		05-04-E228	