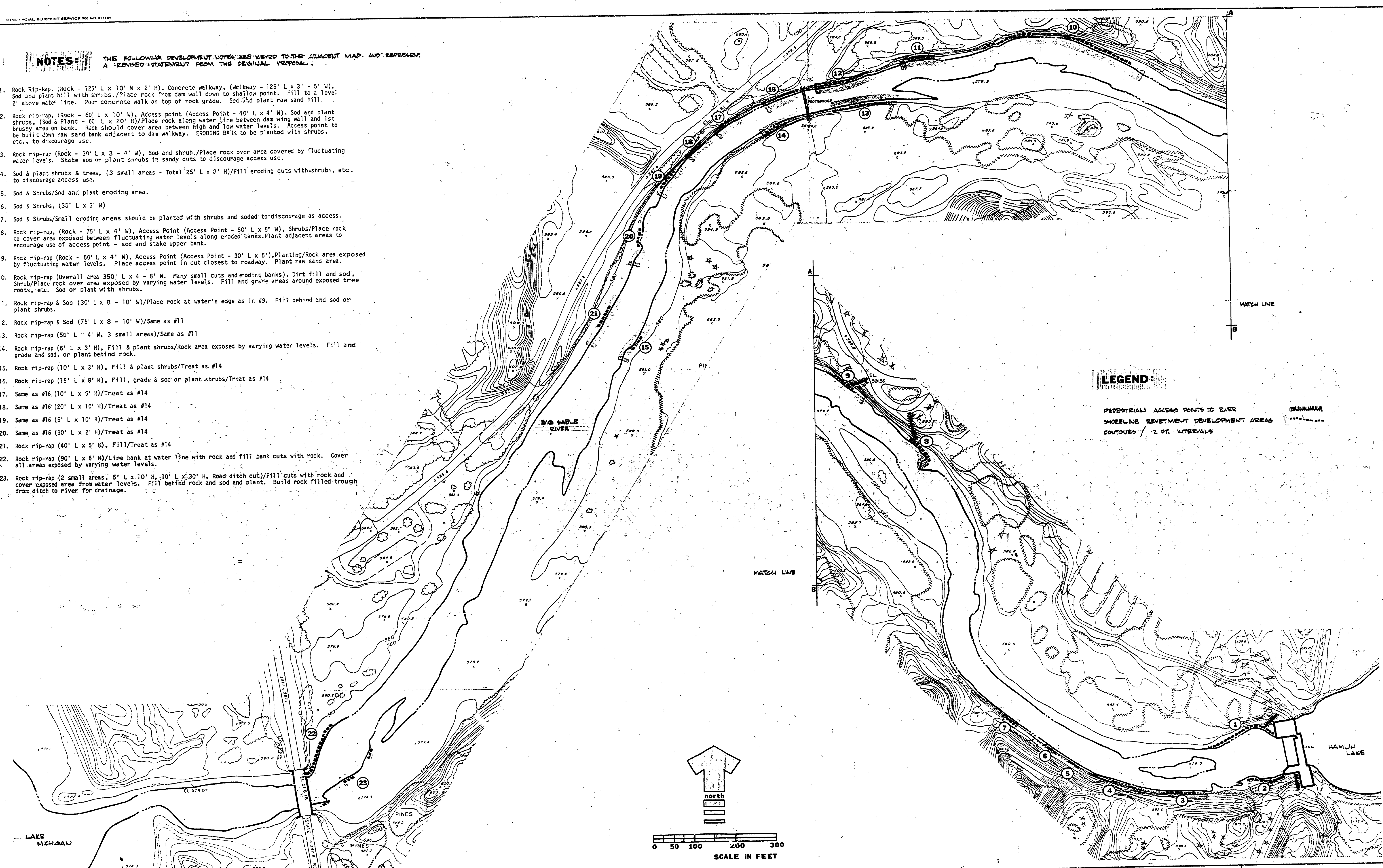


**NOTES:** THE FOLLOWING DEVELOPMENT NOTES ARE KEYED TO THE ADJACENT MAP AND REPRESENT A REVISED STATEMENT FROM THE ORIGINAL PROPOSAL.

1. Rock Rip-rap (Rock - 125' L x 10' W x 2' H). Concrete walkway. (Walkway - 125' L x 3' - 5' W). Sod and plant hill with shrubs. Place rock from dam wall down to shallow point. Fill to a level 2' above water line. Pour concrete walk on top of rock grade. Sod and plant raw sand hill.
2. Rock rip-rap (Rock - 60' L x 10' W). Access point (Access Point - 40' L x 4' W). Sod and plant shrubs. (Sod & Plant - 60' L x 20' H) Place rock along water line between dam wing wall and 1st brushy area on bank. Rock should cover area between high and low water levels. Access point to be built down raw sand bank adjacent to dam walkway. ERODING BANK to be planted with shrubs, etc., to discourage use.
3. Rock rip-rap (Rock - 30' L x 3 - 4' W). Sod and shrub. Place rock over area covered by fluctuating water levels. Stake sod or plant shrubs in sandy cuts to discourage access use.
4. Sod & plant shrubs & trees, (3 small areas - Total 25' L x 8' H) Fill eroding cuts with shrubs, etc. to discourage access use.
5. Sod & Shrubs/Sod and plant eroding area.
6. Sod & Shrubs, (30' L x 3' W)
7. Sod & Shrubs/Small eroding areas should be planted with shrubs and sod to discourage as access.
8. Rock rip-rap (Rock - 75' L x 4' W). Access Point (Access Point - 50' L x 5' W). Shrubs/Place rock to cover area exposed between fluctuating water levels along eroded banks. Plant adjacent areas to encourage use of access point - sod and stake upper bank.
9. Rock rip-rap (Rock - 50' L x 4' W). Access Point (Access Point - 30' L x 5' W). Planting/Rock area exposed by fluctuating water levels. Place access point in cut closest to roadway. Plant raw sand area.
10. Rock rip-rap (Overall area 350' L x 4 - 8' W. Many small cuts and eroding banks). Dirt fill and sod. Shrub/Place rock over area exposed by varying water levels. Fill and grade areas around exposed tree roots, etc. Sod or plant with shrubs.
11. Rock rip-rap & Sod (30' L x 8 - 10' W) Place rock at water's edge as in #9. Fill behind and sod or plant shrubs.
12. Rock rip-rap & Sod (75' L x 8 - 10' W) Same as #11
13. Rock rip-rap (50' L x 4' W, 3 small areas) Same as #11
14. Rock rip-rap (6' L x 3' H). Fill & plant shrubs/Rock area exposed by varying water levels. Fill and grade and sod, or plant behind rock.
15. Rock rip-rap (10' L x 3' H). Fill & plant shrubs/Treat as #14
16. Rock rip-rap (15' L x 8' H). Fill, grade & sod or plant shrubs/Treat as #14
17. Same as #16 (10' L x 5' H) Treat as #14
18. Same as #16 (20' L x 10' H) Treat as #14
19. Same as #16 (5' L x 10' H) Treat as #14
20. Same as #16 (30' L x 2' H) Treat as #14
21. Rock rip-rap (40' L x 5' H). Fill/Treat as #14
22. Rock rip-rap (30' L x 5' H) Line bank at water line with rock and fill bank cuts with rock. Cover all areas exposed by varying water levels.
23. Rock rip-rap (2 small areas, 5' L x 10' H, 10' L x 30' H, Road ditch cut) Fill cuts with rock and cover exposed area from water levels. Fill behind rock and sod and plant. Build rock filled trough from ditch to river for drainage.



**LEGEND:**  
 PEDESTRIAL ACCESS POINTS TO RIVER  
 SHOELINE REVETMENT DEVELOPMENT AREAS  
 CONTOURS / 2 FT. INTERVALS

SURVEYED BY - Stereofoto		DRAWN BY - Rlack		MAY 73		NO. DATE BY		REVISIONS		MICHIGAN DEPARTMENT OF NATURAL RESOURCES		DEVELOPMENT SITE PLAN		Ludington State Park		PROJECT NO.	
DESIGNED BY - Rlack		MAY 73		CHECKED BY - R. C. H.		NO. DATE BY		REVISIONS		SHEET TITLE		AREA OR PARK		PROJECT		SHEET 2 OF 2	
		DATE										Shoreline Revetment		PLAN NO. L-155			