



Project Location

Park Office

Spoil Location

LACEY-KEOSAUQUA STATE PARK  
 BOAT RAMP/ADA PARKING IMPROVEMENTS  
 DNR Project #24-06-89-01

Item No.	Description	Quantity	Unit
1	2102 - SPECIAL BACKFILL	67	TON
2	2102- EXCAVATION, CL 10, GRAVEL REMOVAL	79	CY
3	2102- EXCAVATION, CL 10, WASTE	91	CY
4	2301 - STD/S-F PCC PAV'T, CL C CL 3, 6"	508	SY
5	2312 - CLASS B CR STONE, 2 - INCH	5	TON
6	2507 - REVETMENT, CLASS E	18	TON
7	2507 - EROSION STONE	18	TON
8	2533 - MOBILIZATION	1	LS
9	2599 - HMA SAW CUT	300	LF
10	2599 - ADA SIGNAGE	1	LS

Bid  
 Item

ESTIMATE REFERENCE INFORMATION

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- 1 6-inches under boat ramp paving.  
 DOT approved source.
- 2 Remove the top 6-inches of existing gravel. Use for ADA paving subbase.  
 Stockpile any excess at location shown.
- 3 Remove an additional 6-inches below gravel, and 12-inches at ADA location  
 Stockpile any excess spoil at location shown.
- 4 6-inch depth.  
 Use Class C mix.  
 DOT approved source.  
 Boat Ramp Area:  
 Heavy tine finish perpendicular to grade.  
 Saw parking area into 10' sections.  
 ADA Parking Area:  
 2% max cross slope in any direction.  
 Burlap drag or broom finish  
 Saw into 8'X10' panels.  
 DNR Field Engineer will mark pad corners.
- 5 Place in location shown.  
 DOT approved source.
- 6 Place in location shown.  
 DOT approved source.

- 7 Place in location shown.  
DOT approved source.
- 9 Cut 4" - 6" off interior of existing HMA roadway loop.  
Dispose of material offsite.
- 10 Supply and install the ADA signs as shown.  
DNR Field Engineer will mark sign location.



This grade is fairly steep...~18%

ADA location

2-inch rock, erosion stone and revetment will be placed here.





20

16

MUTCD R7-8  
SOLID GREEN LEGEND  
AND BORDER  
REFLECTIVE WHITE  
BACKGROUND  
WHITE ACCESSIBILITY  
SYMBOL ON  
BLUE BACKGROUND



1'-6"

MUTCD R7-8P  
SOLID GREEN LEGEND  
AND BORDER  
REFLECTIVE WHITE  
BACKGROUND  
REQUIRED FOR VAN  
ACCESSIBLE  
SPACES ONLY



6"

SQUARE POST 2-1/4 IN.

SQUARE ANCHOR BASE  
2-1/2 IN. LOCATED AT TOP  
OF BOLLARD (IF  
EQUIPPED) OR TOP OF  
GROUND SURFACE

7'

USE 6" PIPE BOLLARD  
FILLED W/CONCRETE  
AND PAINTED TRAFFIC  
YELLOW ONLY WHEN  
SIGN IS IN PAVED AREA  
OR SIDEWALK

3'

SLOPE TOP OF  
CONCRETE

GROUND/PAVING  
SURFACE

3500 P.S.I. P.C.  
CONCRETE  
(WHEN PIPE  
BOLLARD IS NOT  
INSTALLED,  
FOUNDATION  
NOT REQUIRED)

3'

6"

1'-6"

#### NOTES

1. 12"x18" ACCESSIBILITY SIGN (R7-8) SHALL BE MOUNTED 7' FROM FINISH GRADE TO BOTTOM EDGE OF SIGN FACE. MOUNTING HEIGHT MAY BE REDUCED TO 5' IF PLACED IN A LANDSCAPE AREA IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
2. BOLLARD MAY BE OMITTED IF INSTALLED IN LANDSCAPE AREAS. WHEN INSTALLED IN LANDSCAPE AREAS, MOUNTING POST SHALL BE DRIVEN A MINIMUM OF 3' BELOW FINISHED GRADE. ALTERNATE MOUNTING POSTS MUST BE APPROVED BY THE FIELD INSPECTOR PRIOR TO CONSTRUCTION.
3. SIGNAGE SHALL BE INSTALLED IN FRONT OF EACH ACCESSIBLE SPACE, CENTERED ON THE WIDTH OF THE SPACE.
4. REFER TO AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES (ADAAG), LATEST EDITION, FOR REQUIRED NUMBER OF ACCESSIBLE SPACE. PER ADAAG, ONE VAN ACCESSIBLE SPACE SHALL BE PROVIDED, MINIMUM, WITH ADDITIONAL VAN ACCESSIBLE SPACES PER ADAAG REQUIREMENTS.
5. ALL SIGNAGE SHALL BE ENGINEER GRADE .080 ALUMINUM REFLECTIVE SIGN MEETING THE REQUIREMENTS OF THE MUTCD AND ADAAG.

**ADA SIGN DETAIL**  
NOT TO SCALE