Appendix A
Cape Disappointment State Park
Draft Supplemental Environmental Impact Statement
Master Plan Distribution List – (Updated March19, 2009)

Dept of Natural Resources
SEPA Center
PO Box 47015- **Campus Mail**
Olympia, WA 98504-7014

Chuck James
Portland Area Archaeologist
Bureau of Indian Affairs
911 NE 11th Avenue
Portland, OR 97232-4169

US Coast Guard, District 13
915 Second Avenue
Seattle, WA 98174

Cape Disappointment State Park
Attn: Evan Roberts, Manager
Park Mail

Francis Naglich, MES
Wetland Biologist
Ecological Land Services, Inc.
1157 3rd Avenue, Suite 220
Longview, WA 98632

Department of Ecology
Environmental Review Section
PO Box 47703 - **Campus Mail**
Lacey, WA 98504-7703

Dept of Natural Resources
Forest Resources Division
Natural Heritage Program
PO Box 47016 – **Campus Mail**
Olympia, WA 98504-7016

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Bureau of Land Management
Wenatchee Field Office
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Wenatchee, WA 98801

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County Services Building
Route 1, Box 1
Long Beach, WA 98631

US Army Corps of Engineers
PO Box 3755
Seattle, WA 98124-2255

Dept of Fish and Wildlife
Habitat Management
PO Box 43135 – **Campus Mail**
Olympia, WA 98504-3135

DAHP
Attn: Robert G. Whitlam PhD
PO Box 48343 – **Campus Mail**
Olympia, WA 98504-8343

Sandy Swope Moody
WA Natural Heritage Program
DNR, Development Division
PO Box 47014
Olympia, WA 98504-7014

James Schwartz
AAG
Campus Mail: 40100

Long Beach City Manager
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Long Beach, WA 98631

David Sox
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Alameda, CA 94501-5100

Fayette Krause
c/o The Nature Conversancy
217 Pine Street – Suite 1110
Seattle, WA 98101

Honorable Gary Johnson
Chair Chinook Tribe
PO Box 228
Chinook, WA 98614

Ilwaco Timberland Library
158 1st Avenue N.
Ilwaco, WA 98624

Coast Guard Station
Commander
322 Coast Guard Road
Ilwaco, WA 98624

John Minger
US Army Corps of Engineers
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Portland, OR 97208-2946

Fred Marshall
PO Box 159
Ilwaco, WA 98624

Dave Bellinger
WSDOT
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Vancouver, WA 98682-6686

Appendix A
Cape Disappointment State Park
Draft Supplemental Environmental Impact Statement
Master Plan Distribution List – (Updated March19, 2009)

Kim Vanzwalenburg
Dept of Ecology
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Olympia, WA 98504-7775

City of Ilwaco
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Ilwaco, WA 98624

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Astoria, OR 97103-9197

Local Programs Engineer
WSDOT-SW Region
Highways & Local Programs
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Vancouver, WA 98668-1709

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Forest Resources Branch Mgr.
Consultation &Technical Asst. Division
US Fish and Wildlife Service
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Lacey, WA 98503

Bicycle & Pedestrian Planning Specialist
Highways - Local Programs
WSDOT
310 Maple Park Ave SE
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Olympia, WA 98504-7390

RCO
Attn: Darrell Jennings
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Olympia, WA 98504-0917

Leilani Chubby
Cultural Resources Program Manager
Quinault Nation
PO Box. 189
Taholah, WA 98587

Dave Burlingame
Director, Cultural Resources
Cowlitz Indian Tribe
P.O. Box 2547
Longview, WA 98632

Steve Brand
SW Operations Region Manager

Myron Johnson
PDSC-SW Region Manager

WASHINGTON STATE PARKS & RECREATION COMMISSION

CECILIA VOGT, CHAIR

JOAN THOMAS — ELIOT SCULL

MICKEY FEARN — JOE TALLER

FRED OLSON — ROBERT C. PETERSEN

REX DERR, DIRECTOR

Park Manager: Evan Roberts

APPROVED FOR CONSTRUCTION

REGION DIRECTOR — *date*

PARKS DEVELOPMENT REGION MANAGER — *date*

CAPITAL DEVELOPMENT PROGRAM MANAGER — *date*

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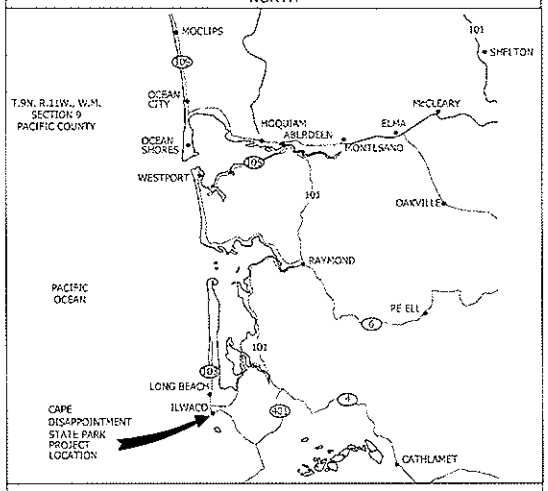
CAPE DISAPPOINTMENT STATE PARK

SHARED-USE PATH - PHASE I

VICINITY MAP

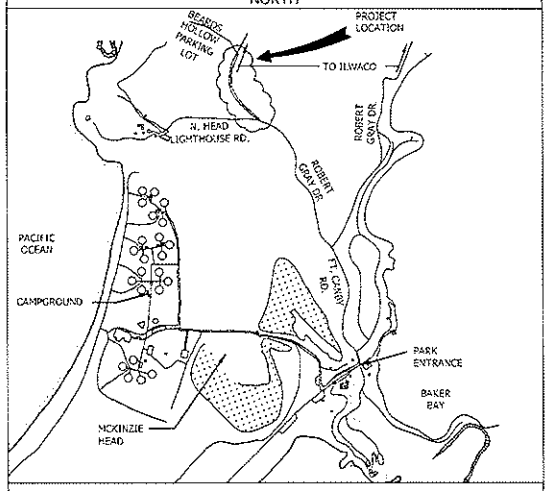
NORTH



LATITUDE 46°18'05" N, LONGITUDE 124°03'48" W

PROJECT LOCATION

NORTH



STATE ROUTE 100 ILWACO WA 98624
SEC-05 T-09-N R-11-W
PACIFIC COUNTY, WASHINGTON

PRELIMINARY

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Included in this Appendix

Appendix B

CAD#: 9000-2008 SPECIFICATION NUMBER PROJECT TITLE = PROJECT MANAGER TO PROVIDE

Cape Disappointment State Park Master Plan Implementation – Multi-use Trail (Phase I)

GENERAL NOTES:

1. THESE PLANS ARE PREPARED BASED ON THE UNDERSTANDING THAT THE ROBERT GRAY DR. RIGHT-OF-WAY, ADJACENT TO THE PROJECT, IS OWNED BY WASHINGTON STATE PARKS AND RECREATION COMMISSION. IF THE RIGHT-OF-WAY IS UNDER WSDOT JURISDICTION, AT THE TIME THE CONTRACT IS EXECUTED, ALL CONSTRUCTION DOCUMENTS MUST BE SUBMITTED TO WSDOT FOR APPROVAL PRIOR TO CONSTRUCTION.

2. ATTENTION CONTRACTORS: WASHINGTON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE WASHINGTON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN RCW 19.122.030. BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL PROVIDE NOTICE OF SCHEDULED COMMENCEMENT OF EXCAVATION TO ALL OWNERS OF UNDERGROUND FACILITIES THROUGH A ONE NUMBER LOCATOR SERVICE. THAT NUMBER IS 1-800-424-5555. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 1-800-424-5555. AT LEAST TWO (2) BUSINESS DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE WASHINGTON UTILITY NOTIFICATION CENTER OF THE DATE AND LOCATION OF THE PROPOSED CONSTRUCTION, AND THE TYPE OF WORK TO BE PERFORMED.

3. ALL EXISTING FACILITIES TO BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.

4. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTACT UTILITY COMPANIES FOR PREMARKING.

5. UPON COMPLETION OF CONSTRUCTION OF THE PROJECT, CONTRACTOR SHALL SUBMIT RECORD DRAWINGS TO THE ENGINEER AND WASHINGTON STATE PARKS DEPARTMENT.

6. ALL CONSTRUCTION SHALL BE COMPLETED ACCORDING TO THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

7. CONTRACTOR SHALL RESTORE ALL SURFACES TO MATCH EXISTING AND ADJACENT GRADES.

8. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER WSDOT STANDARDS. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO WASHINGTON STATE PARKS AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

9. AT THE DIRECTION OF WASHINGTON STATE PARKS, THE SHARED-USE PATH IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS ESTABLISHED IN THE 1999 GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES PUBLISHED BY AASHTO. THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE SHARED-USE PATH COMPLY WITH A 12 MPH DESIGN SPEED.

10. THE TOPOGRAPHIC SURVEY FOR THIS PROJECT WAS COMPLETED ON APRIL 18, 2007 BY MLB OTAK, INC. THIS WAS A TOPOGRAPHIC SURVEY ONLY AND DID NOT INCLUDE ADJACENT PROPERTY LINES AND UNDERGROUND UTILITIES. THESE FEATURES WERE ADDED FROM EXISTING PLAT INFORMATION, EXISTING AS-BUILT DRAWINGS PROVIDED BY WASHINGTON STATE PARKS AND SUPPLEMENTAL TOPOGRAPHIC SURVEY COMPLETED ON SEPTEMBER 30, 2008.

11. CROSSWALK TRAFFIC SIGNS SHALL BE PLACED PER WSDOT STANDARD SPECIFICATIONS, AND PLANS, TO NOTIFY VEHICULAR TRAFFIC OF THE NEW PEDESTRIAN CROSSINGS. A TOTAL OF 5 NEW TRAFFIC SIGNS ARE ANTICIPATED, SEE SHEET 13 FOR DETAILS.

12. A PLAN SHOWING THE LOCATION AND SIZE OF STAGING AREAS AND CONSTRUCTION ENTRANCES ASSOCIATED WITH THE PROJECT SHALL BE SUBMITTED BY THE CONTRACTOR TO WASHINGTON STATE PARKS AND THE ENGINEER FOR APPROVAL.

13. CONTRACTOR SHALL FIELD FIT THE SHORT ROCK WALLS. THE PLANS INDICATE ANTICIPATED LOCATIONS AND HEIGHT, BUT EXISTING CONDITIONS MAY REQUIRE FIELD MODIFICATIONS.

STAGING AREA NOTES:

1. THE PRIMARY STAGING AREA WILL BE LOCATED AT THE INTERSECTION OF FORT CANBY RD. AND FORT CANBY STATE PARK. CONTRACTOR TO COORDINATE LOCATION AND LIMITS OF STAGING AREA WITH CAPE DISAPPOINTMENT PARK MANAGER.

2. THE SECONDARY STAGING AREA WILL BE LOCATED IN THE BEARDS HOLLOW PARKING LOT. CONTRACTOR TO COORDINATE LOCATION AND LIMITS OF STAGING AREA WITH CAPE DISAPPOINTMENT PARK MANAGER.

LEGEND

- EXISTING MAJOR CONTOUR (10 FT. INTERVAL)
- EXISTING MINOR CONTOUR (2 FT. INTERVAL)
- EXISTING RIGHT OF WAY LINE
- EXISTING RIGHT OF WAY CENTERLINE
- EXISTING LOT LINE
- EXISTING WETLAND BOUNDARY
- EXISTING EDGE OF ASPHALT
- EXISTING SANITARY LINE
- EXISTING STORM DRAINAGE LINE
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER
- EXISTING UNDERGROUND POWER
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING GAS LINE
- EASEMENT
- MAJOR CONTOUR (5 FT. INTERVAL)
- MINOR CONTOUR (1 FT. INTERVAL)
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING WATER BLOW-OFF
- EXISTING WATER AIR RELEASE VALVE
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TRAFFIC SIGN
- EXISTING ELECTRIC VAULT
- EXISTING ELECTRIC METER
- EXISTING HEMLOCK OR SPRUCE
- EXISTING ALDER
- HEMLOCK OR SPRUCE TO BE REMOVED
- ALDER TO BE REMOVED
- PROPOSED CUT AREA
- PROPOSED FILL AREA
- PROPOSED BRIDGE SURFACE
- PROPOSED PATH PAVED SURFACE

CONSTRUCTION NOTES

- APPROXIMATE LOCATION FOR CONSTRUCTION ENTRANCE, SEE DETAIL 5/6, CONTRACTOR TO SUBMIT WORK PLAN TO ENGINEER FOR CONSTRUCTION ACCESS APPROVAL
- CLEARING LIMITS TO BE CONTINUOUSLY MARKED WITH CONSTRUCTION FENCING, SEE DETAIL 1/6
- SILT FENCE, SEE DETAIL 2/6
- ALL CUT/FILL EXPOSED SURFACES TO BE COVERED WITH JUTE OR COCONUT MATTING (TYP), SEE DETAIL 3/6, CONTRACTOR TO COORDINATE MATTING PLACEMENT WITH SEEDING, MULCHING, AND PLANTING REQUIREMENTS
- CONTRACTOR TO AVOID REMOVAL OF TREES WHERE POSSIBLE, REMOVAL OF TREES LARGER THAN 8" DIAMETER, IF NOT SHOWN IN THESE PLANS, SHALL BE COORDINATED WITH WASHINGTON STATE PARKS.
- CONSTRUCT 275' LONG ROADSIDE DITCH. SEE PATH SECTION E SHEET 112
- 2' X 12' X 1.5' ROCK ENERGY DISSIPATER (TO REMAIN AFTER CONSTRUCTION), SEE DETAIL 4/6
- 4' X 86' X 1' ROCK SWALE (TO REMAIN AFTER CONSTRUCTION), SEE DETAIL 6/6, VERIFY LOCATION WITH BRIDGE PLANS TO AVOID CONFLICT WITH STRUCTURE
- 2' X 24' X 1.5' ROCK ENERGY DISSIPATER (TO REMAIN AFTER CONSTRUCTION), SEE DETAIL 4/6
- 4' X 87' X 1' ROCK SWALE (TO REMAIN AFTER CONSTRUCTION). SEE DETAIL 6/6. VERIFY LOCATION WITH BRIDGE PLANS TO AVOID CONFLICT WITH STRUCTURE
- 3' X 149' X 1.5' ROCK ENERGY DISSIPATER (TO REMAIN AFTER CONSTRUCTION), SEE DETAIL 4/6
- COORDINATE ROCK SWALE LOCATION WITH BRIDGE PLANS, SWALE TO EXTEND TO TOE OF SLOPE, SEE EROSION CONTROL PLANS FOR SWALE SIZING
- ROADSIDE DITCH CROSSING, SEE DETAIL 4/13
- SHORT ROCK WALL, 3.5' MAX., SEE SITE DETAILS, CONTRACTOR MAY FIELD FIT HEIGHT WHERE APPROVED BY ENGINEER
- ROCKERY WALL, 8' MAX., CONTRACTOR MAY FIELD FIT HEIGHT WHERE APPROVED BY ENGINEER, SEE ROCKERY WALL DETAILS
- CROSSWALK PER WSDOT STANDARD PLAN M-15.10-01
- RE-STRIPE FOGLINE PER WSDOT STANDARDS
- PROPOSED CONSTRUCTION EASEMENT
- RELOCATE WATER BLOWOFF AT DIRECTION OF WASHINGTON STATE PARKS DEPARTMENT.
- POTHOLE DITCH 4 PLACES TO VERIFY DEPTH OF EXISTING UTILITIES, EXCAVATE AND BACKFILL IMPACTED UTILITY AREA WITH CDF IF FINISH GRADE COVER IS LESS THAN 24"
- BRIDGE, SEE NORTH BRIDGE PLANS
- 3" SOLID YELLOW PATH ℄ STRIPING PER MUTCD, STA. 6+50 TO 9+45
- POTHOLE DITCH 2 PLACES TO VERIFY DEPTH OF EXISTING UTILITIES, EXCAVATE AND BACKFILL IMPACTED UTILITY AREA WITH CDF IF FINISH GRADE COVER IS LESS THAN 24"
- CONSTRUCT 38' LONG ROADSIDE DITCH, SEE DETAIL 2/12
- EXISTING TELEPHONE PEDESTAL TO BE RELOCATED BY TELEPHONE COMPANY, PRIOR TO CONSTRUCTION
- RELOCATED TELEPHONE PEDESTAL BY TELEPHONE COMPANY
- POTHOLE DITCH 2 PLACES TO VERIFY DEPTH OF EXISTING UTILITIES, EXCAVATE AND BACKFILL IMPACTED UTILITY AREA WITH CDF IF FINISH GRADE COVER IS LESS THAN 24"
- CONSTRUCT 70' LONG ROADSIDE DITCH, SEE DETAIL 1/12
- 3" SOLID YELLOW PATH ℄ STRIPING PER MUTCD, STA. 12+25 TO 12+55
- BRIDGE, SEE SOUTH BRIDGE PLANS
- SHORT ROCK WALL, 2' MAX., SEE SITE DETAILS, CONTRACTOR MAY FIELD FIT HEIGHT WHERE APPROVED BY ENGINEER
- RETAINING WALL, SEE DOWNHILL RETAINING WALL PLANS
- BENCH LOCATION, SEE DETAIL 1/13
- CONSTRUCT 60' LONG ROADSIDE DITCH, SEE DETAIL 2/12
- 3" SOLID YELLOW PATH ℄ STRIPING PER MUTCD, STA. 14+85 TO 16+75
- ADJUST NH RIM ELEVATION
- RESET SIGNS
- ADJUST TELEPHONE VAULT LID TO FINISH GRADE
- CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES AND CONTACT ENGINEER TO COORDINATE RELOCATION OF ANY UTILITIES NOT SHOWN IN THESE PLANS.

otak

SHEET 2 OF 32

CAD NO. C897S102.DWG

NO.	REVISIONS	INIT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	JCC	01/14/09
CHECKED (HQ/PM)		

PRELIMINARY

EXPIRES 01/31/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT

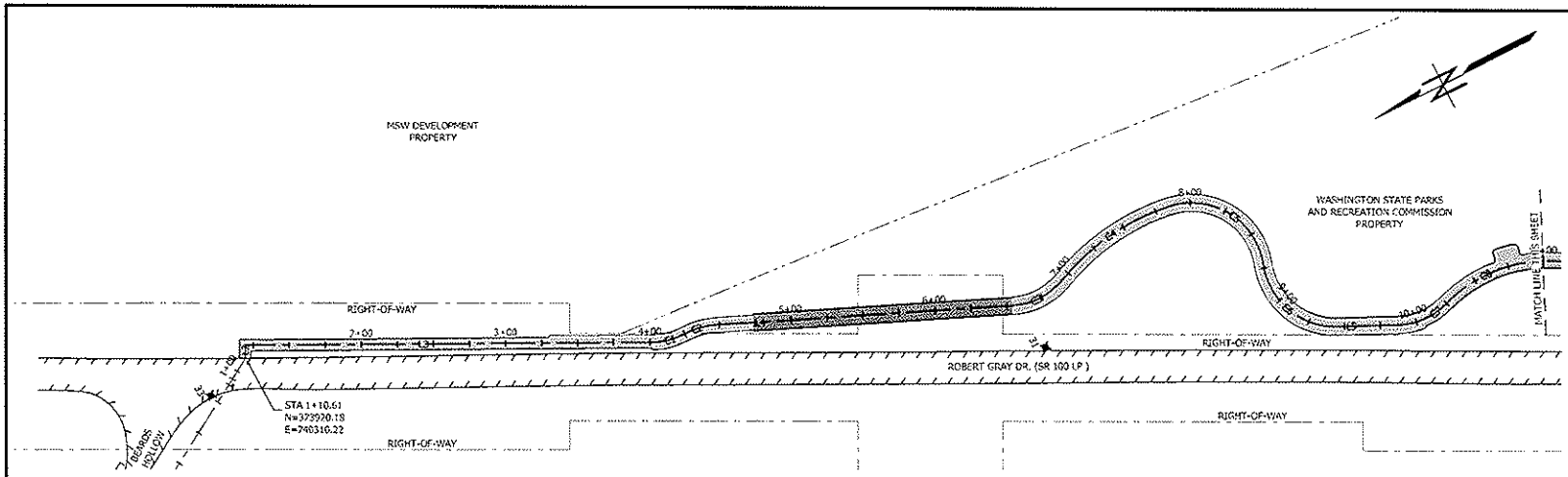
SHARED-USE PATH PHASE I

LEGEND, GENERAL NOTES, AND CONSTRUCTION NOTES

SCALE

NO SCALE

FILE NO.



HORIZONTAL CONTROL

HORIZONTAL CONTROL BASED ON WASHINGTON STATE GRID COORDINATE SYSTEM SOUTH ZONE, NAD83 (1991) DATUM. CONTROL BASED ON FOUND MONUMENT NORTH HEAD RM 4, PID SD0554, BEING A STANDARD NGS REFERENCE MARK DISK STAMPED "NORTH HEAD 1942 NO 4 1987". DISK IS LOCATED APPROXIMATELY 2 MILES SOUTHWEST OF ILWACO, 0.2 MILES NORTHEAST OF THE NORTH HEAD LIGHT HOUSE, SET ON THE ROOF OF A CONCRETE BUNKER.

COORDINATES: "NORTH HEAD 1942 NO 4 1987"
NGS- NORTHINGS : 373,120.82, EASTINGS : 736,919.99
HLB OTAK- NORTHINGS : 373,120.8198, EASTINGS : 736,919.9892
ELEVATION: "NORTH HEAD 1942 NO 4 1987"
NGS - 254.9' NAVD 88
HLB OTAK - 254.85' NAVD 88
VISITED JUNE 2002

VERTICAL CONTROL

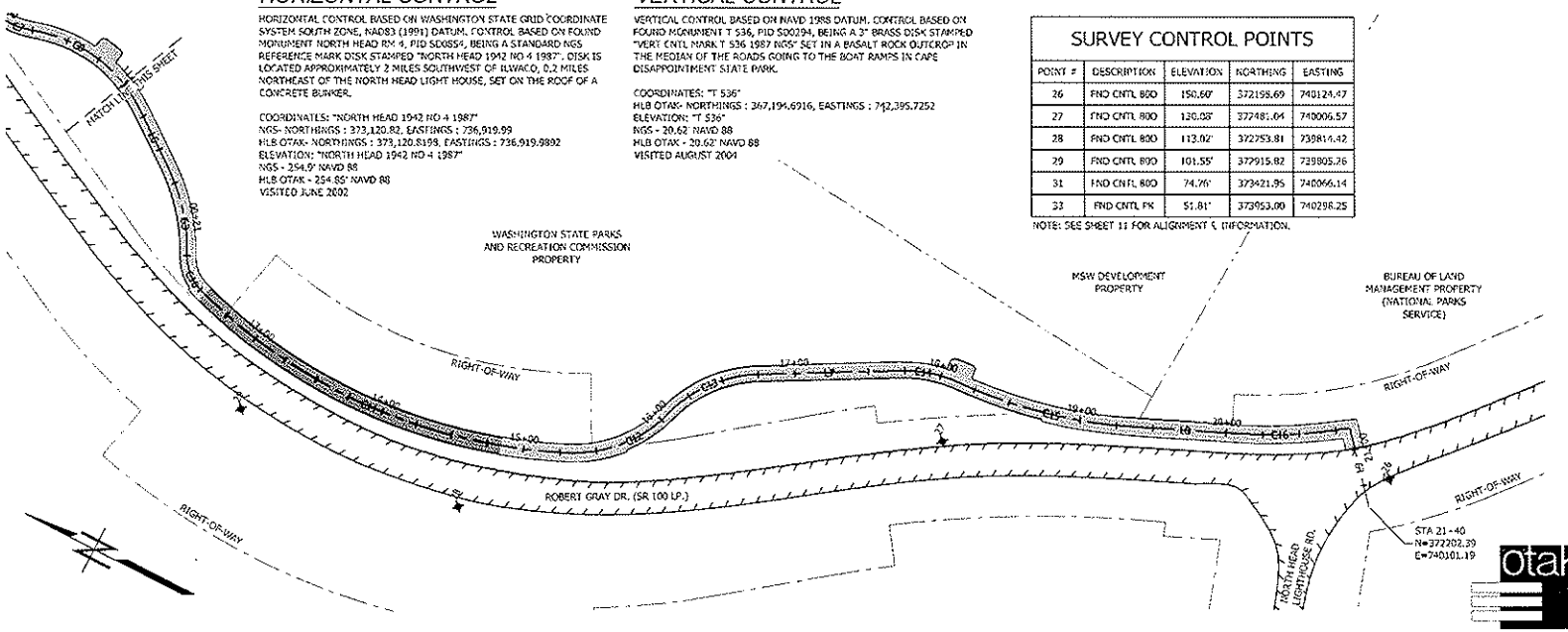
VERTICAL CONTROL BASED ON NAVD 1988 DATUM. CONTROL BASED ON FOUND MONUMENT T 536, PID SD0294, BEING A 3" BRASS DISK STAMPED "VERT CNTL MARK T 536 1987 NGS" SET IN A BASALT ROCK OUTCROP IN THE MEDIAN OF THE ROADS GOING TO THE BOAT RAMPS IN CAPE DISAPPOINTMENT STATE PARK.

COORDINATES: "T 536"
HLB OTAK- NORTHINGS : 367,194.6916, EASTINGS : 742,395.7252
ELEVATION: "T 536"
NGS - 20.62' NAVD 88
HLB OTAK - 20.62' NAVD 88
VISITED AUGUST 2004

SURVEY CONTROL POINTS

POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
26	FND CNTL 80D	150.60'	372198.69	740124.47
27	FND CNTL 80D	130.08'	372481.04	740006.57
28	FND CNTL 80D	113.02'	372753.81	739814.42
29	FND CNTL 80D	101.55'	372915.82	739805.26
31	FND CNTL 80D	74.76'	373421.95	740066.14
33	FND CNTL PK	51.81'	373953.00	740298.25

NOTE: SEE SHEET 11 FOR ALIGNMENT & INFORMATION.



SURVEY CONTROL PLAN

SHEET 3 OF 32

CAD NO. C897S103.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/17/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HDQTS.)		

PRELIMINARY

EXPIRES: 04/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

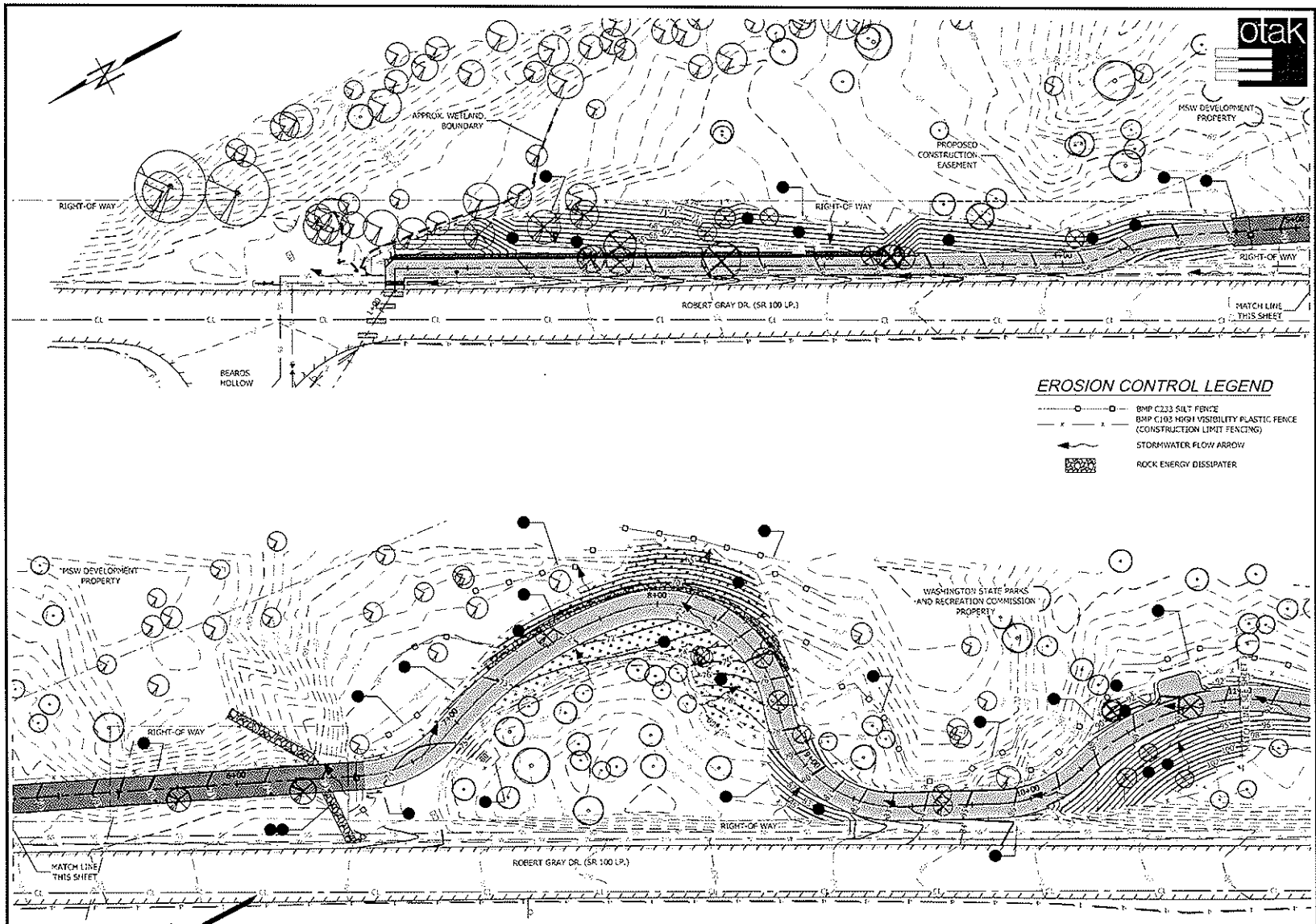
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

SURVEY CONTROL PLAN

SCALE 0 40 80'

FILE NO.



EROSION CONTROL LEGEND

- BMP C233 SILT FENCE
- BMP C103 HIGH VISIBILITY PLASTIC FENCE (CONSTRUCTION LIMIT FENCING)
- STORMWATER FLOW ARROW
- ROCK ENERGY DISSIPATER

EROSION AND SEDIMENT CONTROL PLAN 1

SHEET 4 OF 32

CAD NO. C897S104.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HQQTS.)		

PRELIMINARY

EXPIRED 04/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

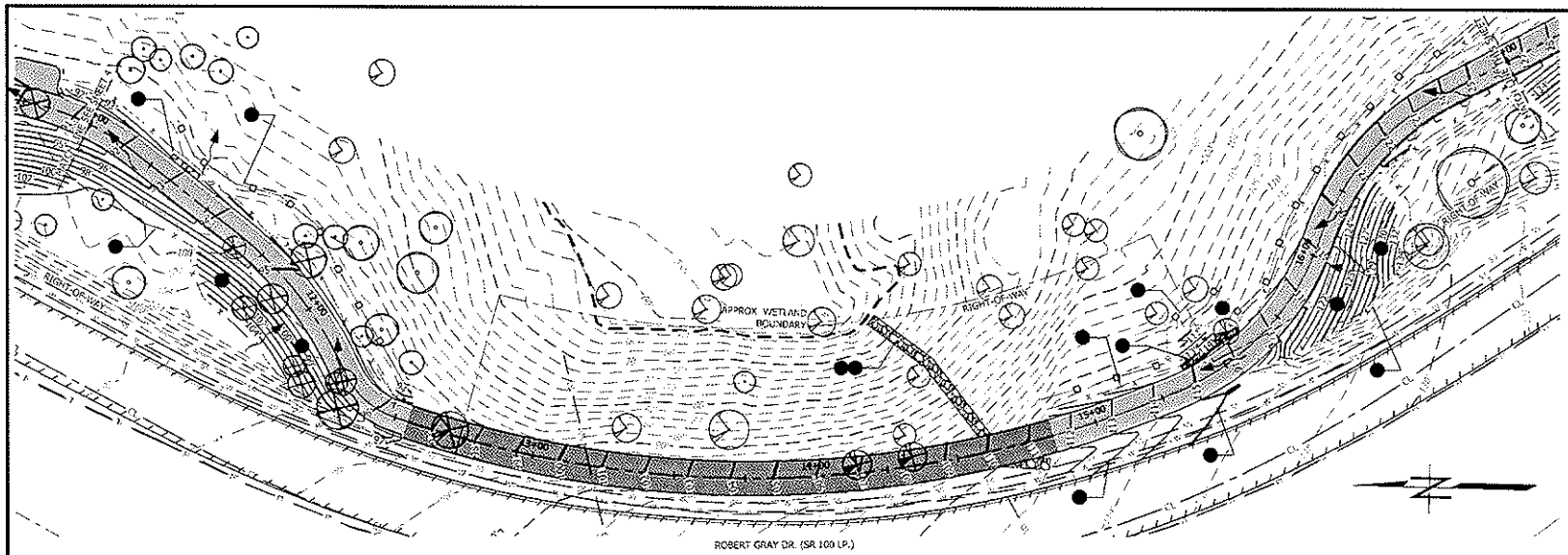
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

EROSION AND SEDIMENT CONTROL PLAN 1

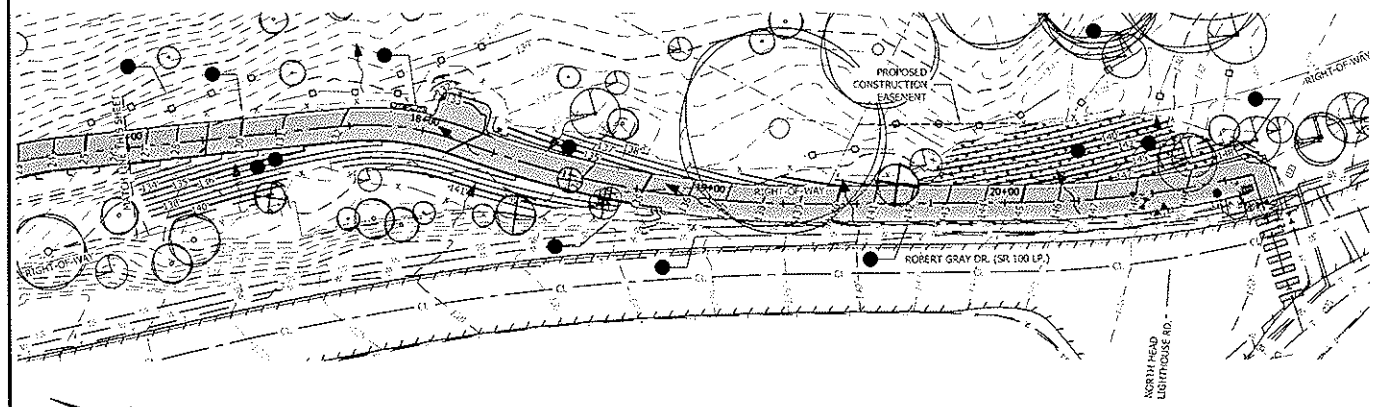
SCALE 0 20 40'

FILE NO.



TREE REMOVAL QUANTITIES:

HEMLOCK:	ALDER:	SPRUCE:
15" (2 ea.)	15" (1 ea.)	17" (1 ea.)
14" (7" ea.)	14" (1 ea.)	9" (4 ea.)
13" (1 ea.)	13" (2 ea.)	8" (1 ea.)
12" (3 ea.)	12" (1 ea.)	
11" (5 ea.)	11" (1 ea.)	
10" (3 ea.)	10" (4 ea.)	
9" (5 ea.)	9" (2 ea.)	
8" (5 ea.)	8" (8 ea.)	



EROSION AND SEDIMENT CONTROL PLAN 2

otak

SHEET 5 OF 32

CAD NO. C897S105.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HDQTS.)		

PRELIMINARY

EXPIRES: 04/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

EROSION AND SEDIMENT CONTROL PLAN 2

SCALE 0 20 40'

FILE NO.

EROSION CONTROL NOTES

1. A CERTIFIED EROSION AND SEDIMENT CONTROL SPECIALIST SHALL BE IDENTIFIED IN THE CONSTRUCTION SWPPP AND SHALL BE ON-SITE OR ON-CALL AT ALL TIMES.

2. PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, ALL CLEARING LIMITS (CONSTRUCTION FENCING), SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED, BOTH IN THE FIELD AND ON THE PLANS, TO PREVENT DAMAGE AND OFFSITE IMPACTS.

3. THE DUFF LAYER, NATIVE TOP SOIL, AND NATURAL VEGETATION SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. IF IT IS NOT PRACTICABLE TO RETAIN THE DUFF LAYER IN PLACE, IT SHOULD BE STOCKPILED ON-SITE, COVERED TO PREVENT EROSION, AND REPLACED IMMEDIATELY UPON COMPLETION OF THE GROUND DISTURBING ACTIVITIES.

4. IF SEDIMENT IS TRACKED OFF SITE, PUBLIC ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY, OR MORE FREQUENTLY DURING WET WEATHER. IF NECESSARY TO PREVENT SEDIMENT FROM ENTERING WATERS OF THE STATE. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

5. NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS FROM OCTOBER 1 THROUGH APRIL 30. THIS CONDITION APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. THESE TIME LIMITS MAY BE ADJUSTED BY THE LOCAL PERMITTING AUTHORITY IF IT CAN BE SHOWN THAT THE AVERAGE TIME BETWEEN STORM EVENTS JUSTIFIES A DIFFERENT STANDARD. SOILS SHALL BE STABILIZED AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST.

6. SOIL STOCKPILES MUST BE STABILIZED FROM EROSION, PROTECTED WITH SEDIMENT TRAPPING MEASURES, AND WHEN POSSIBLE, BE LOCATED AWAY FROM STORM DRAIN INLETS, WATERWAYS AND DRAINAGE CHANNELS.

7. CONSTRUCTION ACTIVITIES, INCLUDING RIGHT-OF-WAY AND EASEMENT CLEARING, ROADWAY DEVELOPMENT, PIPELINES, AND TRENCHING FOR UTILITIES, SHALL BE CONDUCTED TO MEET THE SOIL STABILIZATION REQUIREMENT.

8. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH BMP SPECIFICATIONS.

9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

10. INSPECTION AND MONITORING - ALL BMPS SHALL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SITE INSPECTIONS SHALL BE CONDUCTED BY A PERSON WHO IS KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL. THE PERSON MUST HAVE THE SKILLS TO 1) ASSESS THE SITE CONDITIONS AND CONSTRUCTION ACTIVITIES THAT COULD IMPACT THE QUALITY OF STORMWATER, AND 2) ASSESS THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES USED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES.

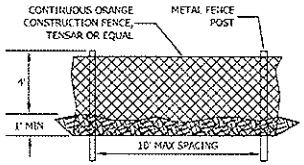
11. WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, APPROPRIATE BMPS OR DESIGN CHANGES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

12. MAINTAINING AN UPDATED CONSTRUCTION SWPPP - THE CONSTRUCTION SWPPP SHALL BE RETAINED ON-SITE OR WITHIN REASONABLE ACCESS TO THE SITE.

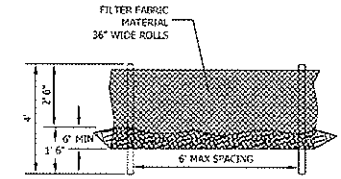
13. THE SWPPP SHALL BE MODIFIED WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE THAT HAS, OR COULD HAVE, A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE.

14. THE SWPPP SHALL BE MODIFIED, IF DURING INSPECTIONS OR INVESTIGATIONS CONDUCTED BY THE OWNER/OPERATOR, OR THE APPLICABLE LOCAL OR STATE REGULATORY AUTHORITY, IT IS DETERMINED THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES FROM THE SITE. THE SWPPP SHALL BE MODIFIED AS NECESSARY TO INCLUDE ADDITIONAL OR MODIFIED BMPS DESIGNED TO CORRECT PROBLEMS IDENTIFIED. REVISIONS TO THE SWPPP SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.

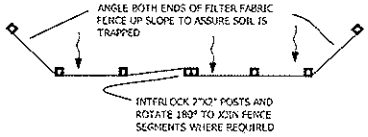
15. CUT AND FILL SLOPES ARE IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS IN THE GEOTECHNICAL REPORT TO BE PROVIDED FOR THIS PROJECT.



1/6 CONSTRUCTION FENCE DETAIL
NTS

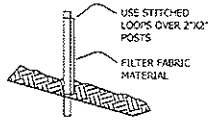


FRONT VIEW



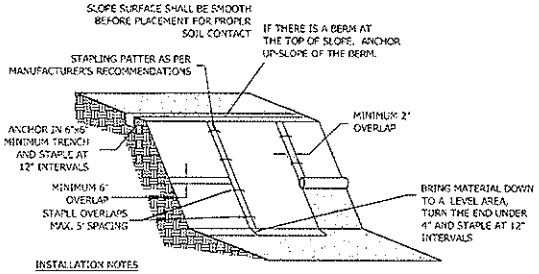
TOP VIEW

NOTES:
1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2"X2" FIR, PINE OR STEEL FENCE POSTS.
3. STITCHED LOOPS TO BE INSTALLED UPHILL SIDE OF SLOPE
4. COMPACT ALL AREAS OF FILTER FABRIC TRENCH.



SIDE VIEW

2/6 SILT FENCE DETAIL
NTS



INSTALLATION NOTES

- DO NOT STRETCH BLANKETS/MATTINGS TIGHT - ALLOW THE ROLLS TO MOLD TO ANY IRREGULARITIES
- FOR SLOPES LESS THAN 3H:1V, ROLLS MAY BE PLACED IN HORIZONTAL STRIPS
- SEED BEFORE INSTALLATION.
- PLANTING OF SHRUBS, TREES, ETC. SHOULD OCCUR AFTER INSTALLATION.

MAINTENANCE STANDARDS

1. GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND THERE MUST NOT BE EROSION BENEATH THE NET OR BLANKET.

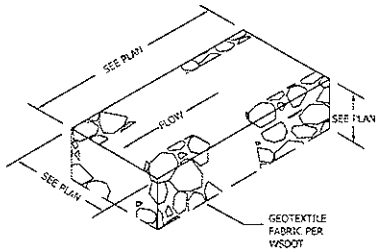
2. ANY AREAS OF THE NET OR BLANKET THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED.

3. IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED.

4. THE MANUFACTURER'S RECOMMENDATIONS ARE ALSO TO BE USED FOR INSTALLATION. NOTE THAT INSTALLATION IS CRITICAL TO THE EFFECTIVENESS OF THESE PRODUCTS. IF GOOD GROUND CONTACT IS NOT ACHIEVED, RUNOFF CAN CONCENTRATE UNDER THE PRODUCT, RESULTING IN SIGNIFICANT EROSION.

5. JUTE NETTING MUST BE USED IN CONJUNCTION WITH MULCH. EXCELSIOR, WOVEN STRAW BLANKETS, AND COIR (COCONUT FIBER) BLANKETS MAY BE INSTALLED WITHOUT MULCH. OTHER TYPES OF PRODUCTS WILL HAVE TO BE EVALUATED INDIVIDUALLY. IN GENERAL, MOST NETS (E.G., JUTE) REQUIRE MULCH IN ORDER TO PREVENT EROSION BECAUSE THEY HAVE A FAIRLY OPEN STRUCTURE. BLANKETS TYPICALLY DO NOT REQUIRE MULCH BECAUSE THEY USUALLY PROVIDE COMPLETE PROTECTION OF THE SURFACE.

3/6 NETTING/ MATTING DETAIL
NTS



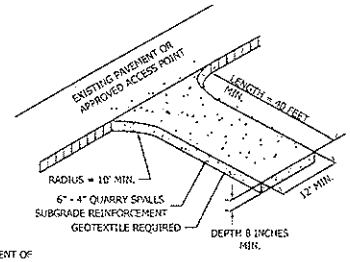
NOTES:

1. RIP RAP SHALL BE HAND PLACED, AND SHALL CONFORM WITH WASHINGTON DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2008) SECTIONS 8-15 AND 9-13 FOR HAND PLACED RIPRAP.

2. ROCK SLOPE PROTECTION, TOP OF ROCK TO BE FLUSH WITH EXISTING GROUND

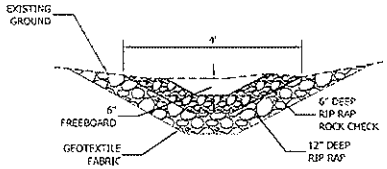
3. TOP OF ROCK SLOPE TO CONFORM TO SLOPE OF FINISH GRADE

4/6 ROCK ENERGY DISSIPATER DETAIL
NTS



DIMENSIONS WILL VARY BASED ON AVAILABLE AREA. CONSTRUCTION ENTRANCE LOCATION(S) SHALL BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

5/6 CONSTRUCTION ENTRANCE DETAIL
NTS



NOTES:

1. RIP RAP SHALL BE HAND PLACED, AND SHALL CONFORM WITH WASHINGTON DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2008) SECTIONS 8-15 AND 9-13 FOR HAND PLACED RIPRAP.

2. ROCK SLOPE PROTECTION, TOP OF ROCK TO BE FLUSH WITH EXISTING GROUND

3. TOP OF ROCK SLOPE TO CONFORM TO SLOPE OF FINISH GRADE

4. ROCK CHECKS AT 10' INTERVALS.

6/6 ROCK SWALE DETAIL
NTS

otak

SHEET 6 OF 32

CAD NO. C897S106.DWG

NO.	VERSIONS	DRT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/16/09
CHECKED (INDOTS)		

PRELIMINARY
EXPIRES: 06/30/2010
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT

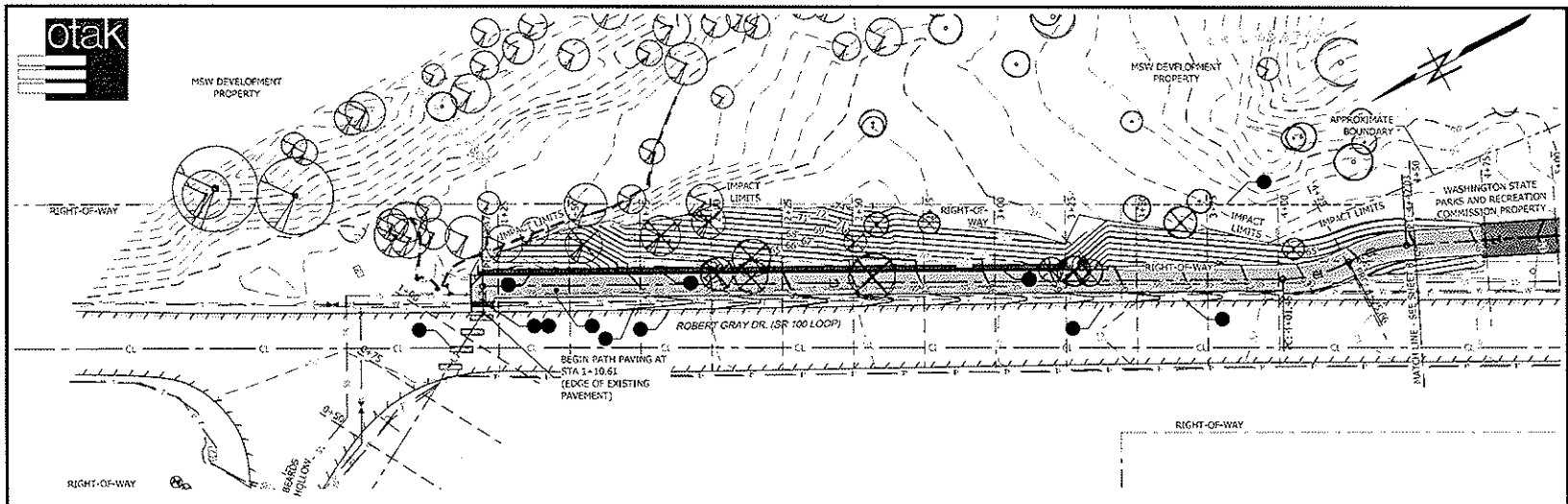
SHARED-USE PATH PHASE I

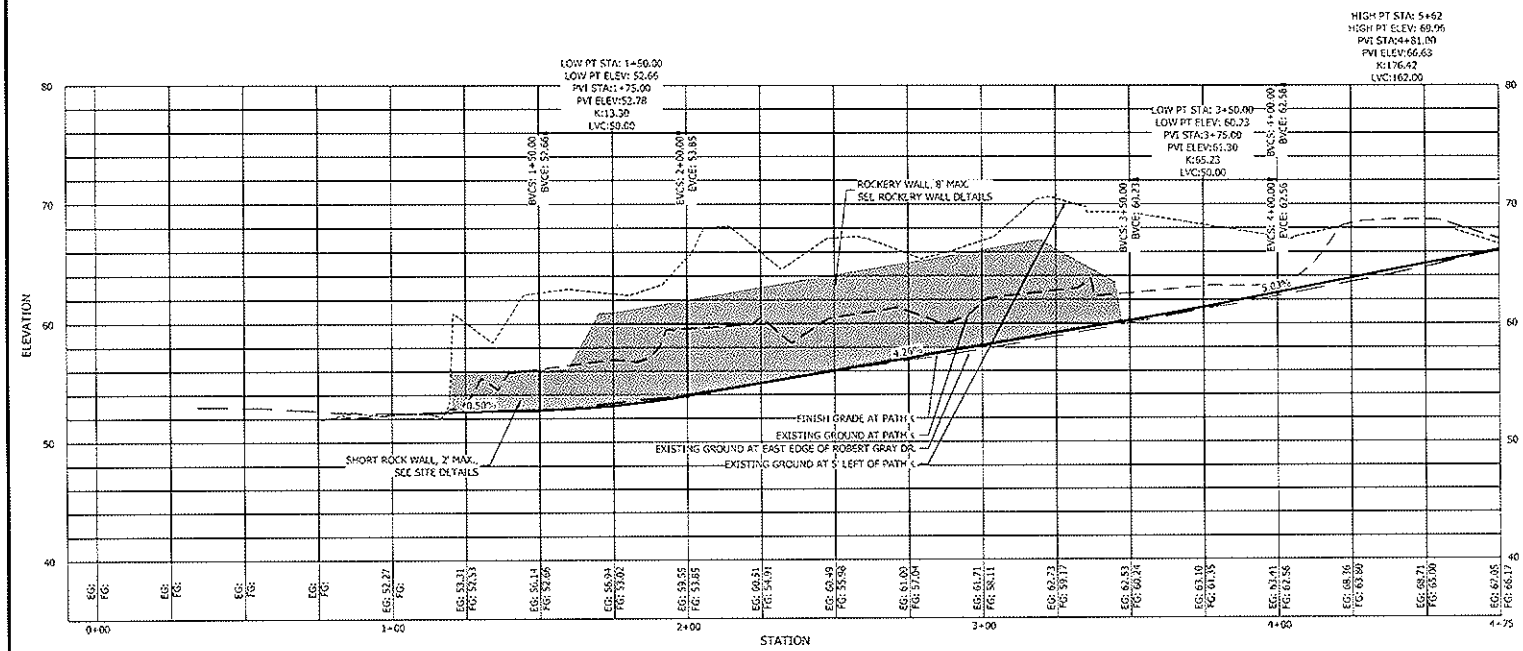
EROSION AND SEDIMENT CONTROL DETAILS

SCALE
NO SCALE

FILE NO.

otak





PATH PLAN AND PROFILE STA. 0+00 TO STA. 4+50

SCALE: HOR. 1"=20' VERT. 1"=5'

SHEET 7 OF 32

CAD NO. C897S107.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HDQTS.)		

PRELIMINARY

EXPIRES 04/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

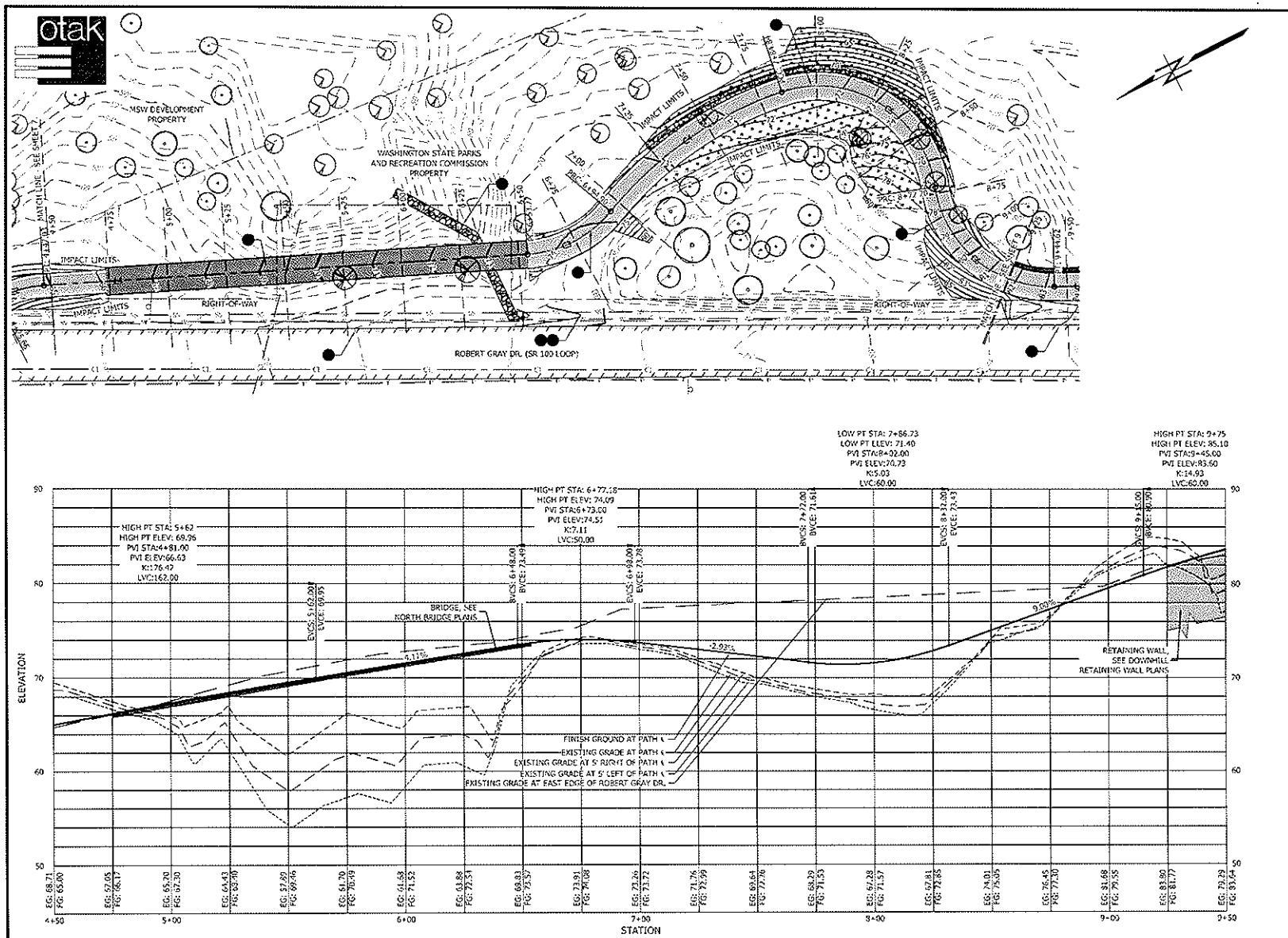
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

PATH PLAN AND PROFILE STA. 0+00 TO STA. 4+50

SCALE 0 20' 40'

FILE NO.



PATH PLAN AND PROFILE STA. 4+50 TO STA. 9+25

SCALE: HOR. 1"=20' VERT. 1"=5'

SHEET 8 OF 32

CAD NO. C8975108.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (NOTES)		

PRELIMINARY

EXPIRES 04/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

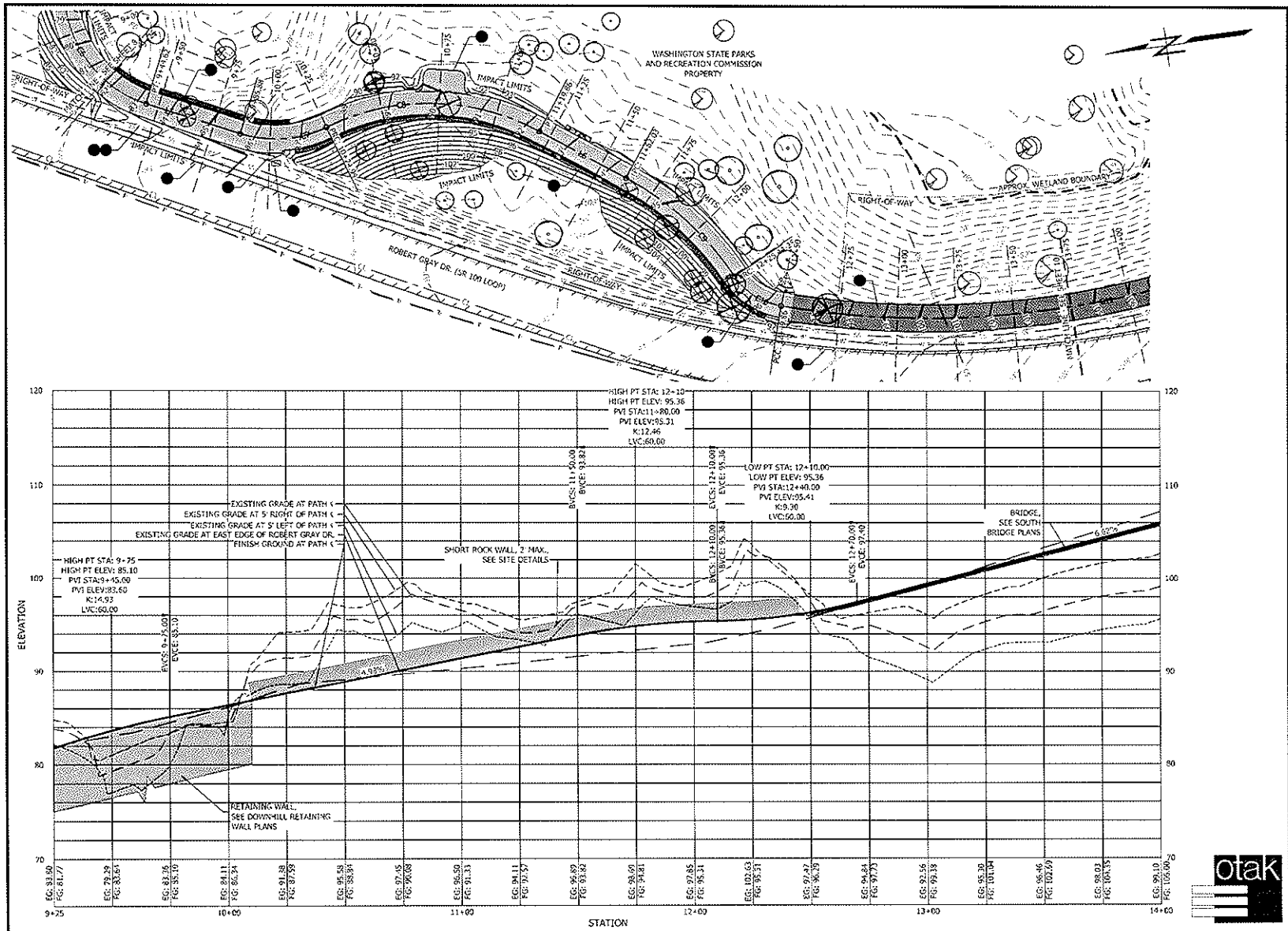
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

PATH PLAN AND PROFILE STA. 4+50 TO STA. 9+25

SCALE 0 20' 40'

FILE NO.



PATH PLAN AND PROFILE STA. 9+25 TO STA. 13+75

SCALE: HOR. 1"=20' VERT. 1"=5'

SHEET 9 OF 32

CAD NO. C8975109.DWG

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/08/09
CHECKED (FIELD)	NCC	01/08/09
CHECKED (OFFICE)		

PRELIMINARY

EXPIRES: 06/24/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

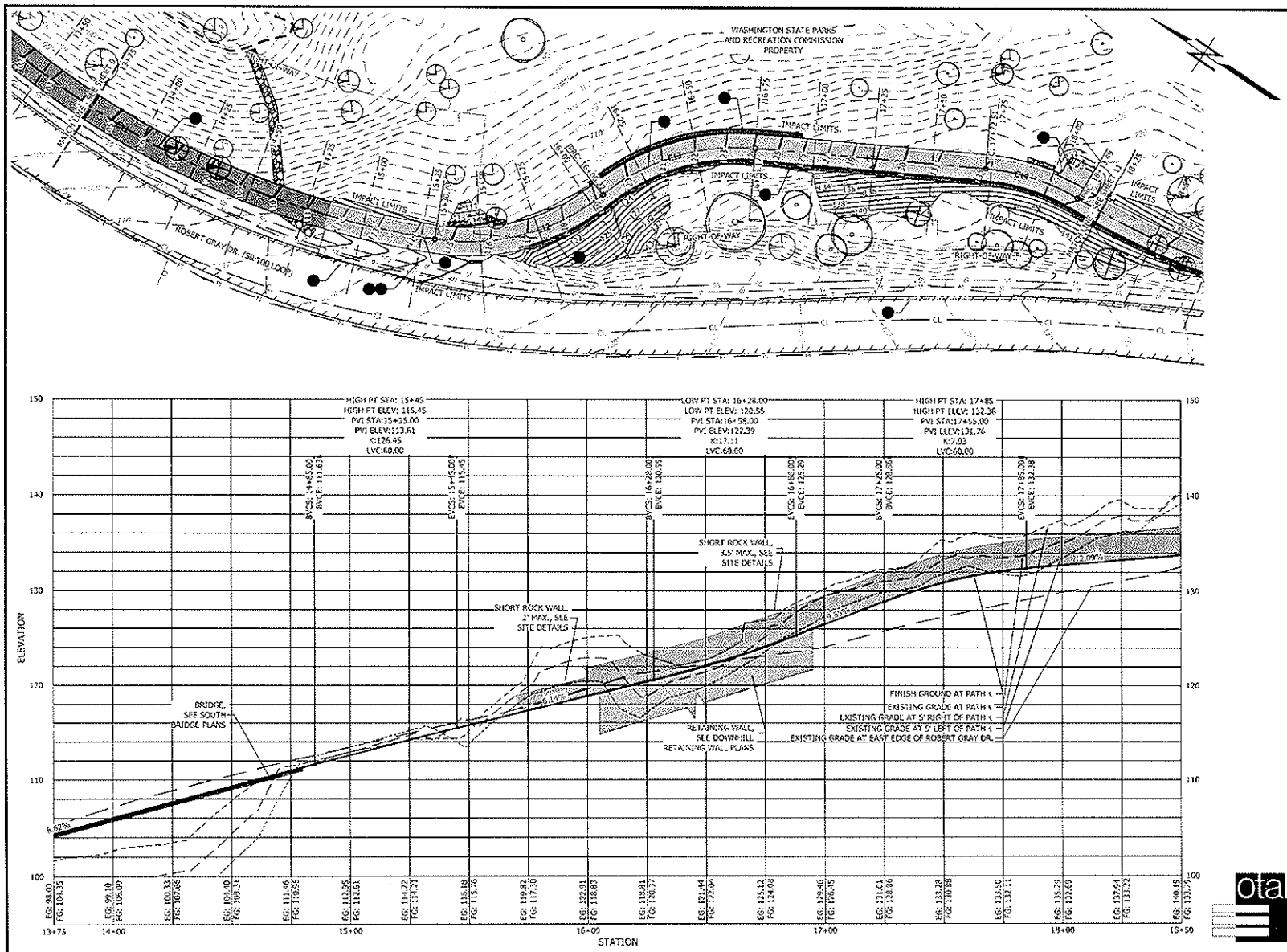
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

PATH PLAN AND PROFILE STA. 9+25 TO STA. 13+75

SCALE 0 20' 40'

FILE NO.



PATH PLAN AND PROFILE STA. 13+75 TO STA. 18+25

SCALE: HOR. 1"=20' VERT. 1"=5'

SHEET 10 OF 32

CAD NO. C897S110.DWG

			DATE
			APP.
			INIT.
			REVISIONS
			NO.

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HQ/TS)		

PRELIMINARY

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

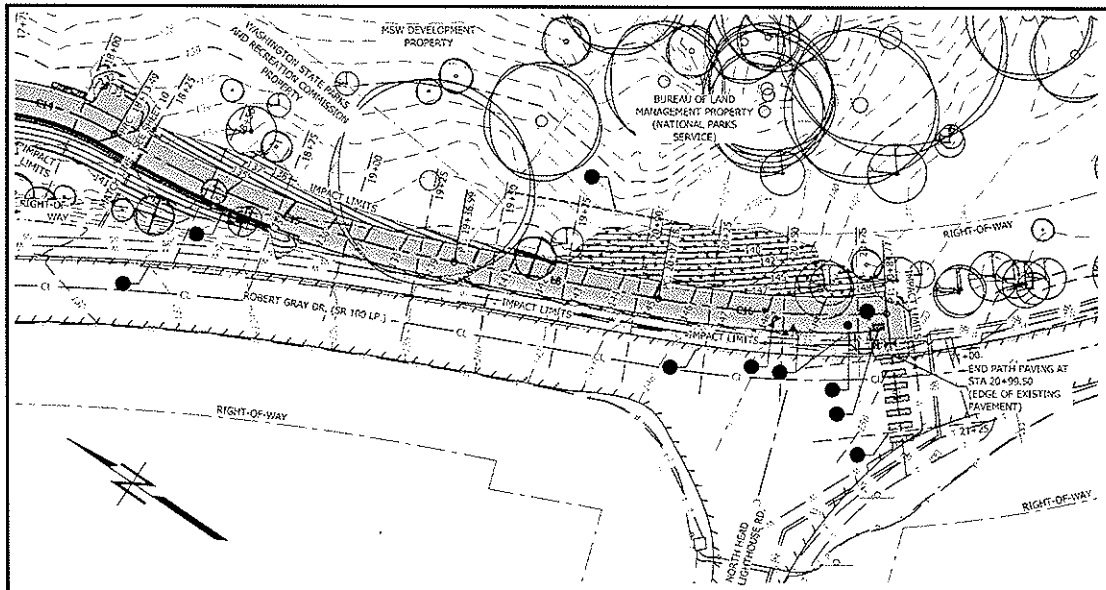
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

PATH PLAN AND PROFILE STA. 13+75 TO STA. 18+25

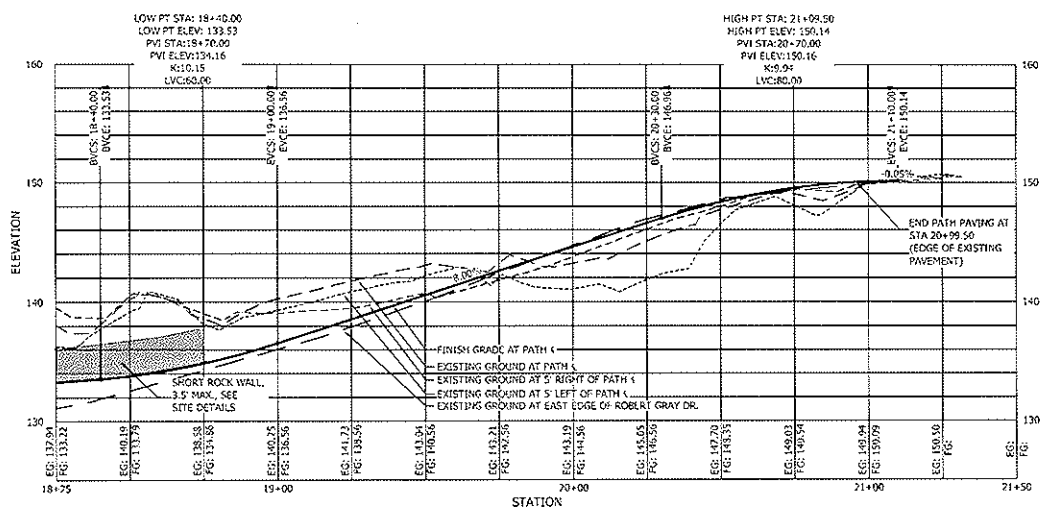
SCALE 0 20' 40'

FILE NO.



PATH ALIGNMENT CENTERLINE TABLE

Number	STATION	BEGINNING NORTHING	BEGINNING EASTING	BEARING	LENGTH	RADIUS	DELTA
L1	0+00.00	374015.37	740253.88	S30° 37' 21"E	110.61'		
L2	1+10.61	373920.18	740310.22	S63° 45' 21"E	8.86'		
L3	1+19.47	373916.27	740318.17	S26° 28' 33"W	281.99'		
C1	4+01.45				24.20'	50.00'	27°44'08"
C2	4+25.66				21.37'	50.00'	24°29'32"
L4	4+47.03	373619.64	740183.18	S23° 13' 57"W	206.74'		
C3	6+53.77				41.13'	50.00'	47°07'51"
C4	6+94.90				89.93'	160.00'	32°12'20"
C5	7+84.84				87.37'	50.00'	100°06'55"
C6	8+72.20				72.42'	50.00'	82°58'59"
L5	9+44.62	373235.58	739987.67	S25° 26' 22"W	42.26'		
C7	9+86.88				38.06'	50.00'	43°36'48"
C8	10+24.94				94.93'	100.00'	54°23'22"
L6	11+19.86	373070.07	739952.83	S36° 12' 56"W	42.17'		
C9	11+62.03				63.40'	130.00'	27°56'40"
C10	12+25.44				24.42'	30.00'	46°38'03"
C11	12+49.86				280.84'	380.00'	42°20'41"
C12	15+30.70				75.52'	90.00'	48°04'46"
C13	16+06.22				68.95'	90.00'	43°53'49"
L7	16+75.17	372613.32	739989.09	S29° 00' 06"E	97.33'		
C14	17+72.51				40.98'	90.00'	26°05'28"
C15	18+13.49				123.50'	340.00'	20°48'42"
L8	19+36.99	372369.61	740075.74	S23° 43' 19"E	70.19'		
C16	20+07.18				77.59'	340.00'	13°04'34"
L9	20+84.77	372238.47	740143.00	S49° 11' 56"W	55.23'		



PATH PLAN AND PROFILE STA. 18+25 TO STA. 21+50

SCALE: HOR. 1"=20' VERT. 1"=5'

otak

SHEET 11 OF 32

CAD NO. C8975111.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	NCC	01/14/09
CHECKED (HQ/OTS.)		

PRELIMINARY

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

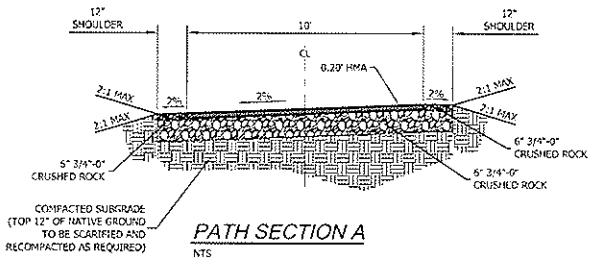
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

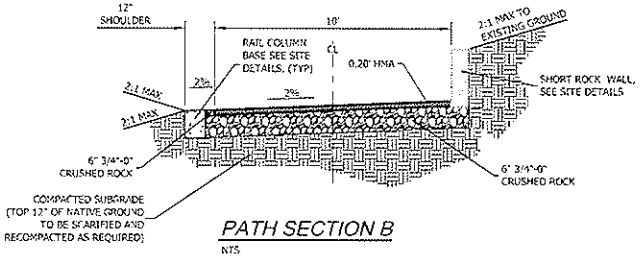
PATH PLAN AND PROFILE STA. 18+25 TO STA. 21+50

SCALE 0 20' 40'

FILE NO.



PATH SECTION A
NTS



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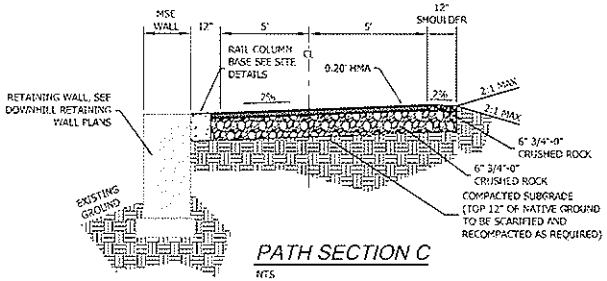
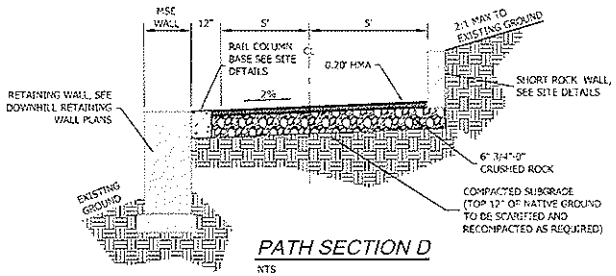
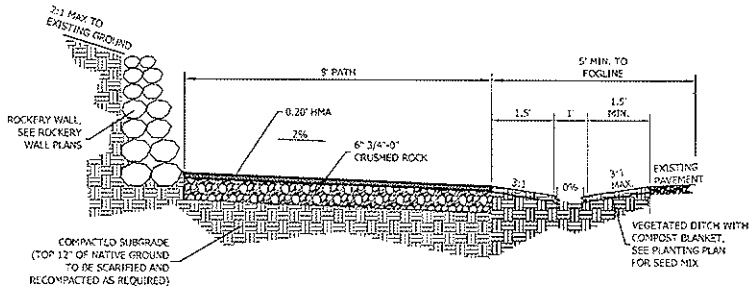


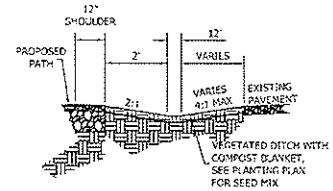
PATH SECTION C
NTS



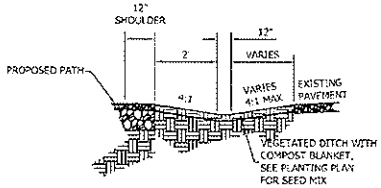
PATH SECTION D
NTS



PATH SECTION E
NTS



1/12 ROADSIDE DITCH I DETAIL
NTS



2/12 ROADSIDE DITCH II DETAIL
NTS

PATH SECTION BY STATION						
STATION RANGE	SECTION					
	A	B	C	D	E	BRIDGE
1+10 - 1+20	X**					
1+20 - 3+25					X	
3+25 - 4+00					X***	
4+00 - 4+74	X					
4+74 - 6+54						X
6+54 - 9+25	X					
9+25 - 10+10			X			
10+10 - 10+64		X				
10+64 - 10+88		X*				
10+88 - 12+45		X				
12+45 - 12+50	X					
12+50 - 14+80						X
14+80 - 15+70	X					
15+70 - 16+05		X				
16+05 - 16+95				X		
16+95 - 18+00		X				
18+00 - 18+25		X*				
18+25 - 18+75		X				
18+75 - 21+00	X					

* ELIMINATE LEFT 12" SHOULDER TO TIE IN VIEWPOINT ASPHALT.
** REDUCE PATH WIDTH TO 8', SEE DETAIL 4/13 FOR ROADSIDE DITCH CROSSING.
*** ELIMINATE WALL AND REPLACE WITH 12" SHOULDER AND GRADE 2:1 TO EXISTING GROUND.

otak

SHEET 12 OF 32

CAD NO. C897S112.DWG

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/17/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	MCC	01/14/09
CHECKED (OFFICE)		

PRELIMINARY

EXPIRES 06/30/2010

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

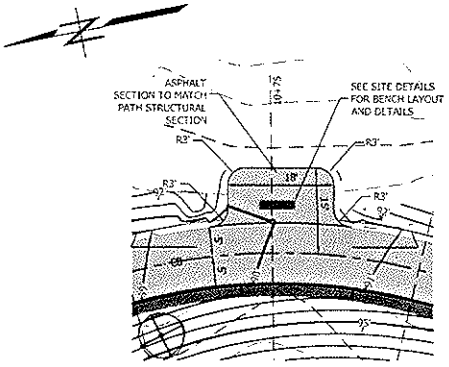
CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

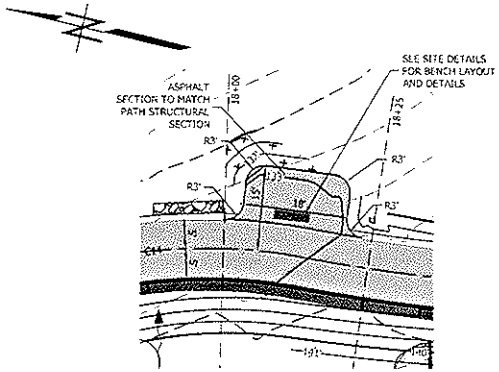
PATH SECTIONS AND DITCH DETAILS

SCALE
NO SCALE

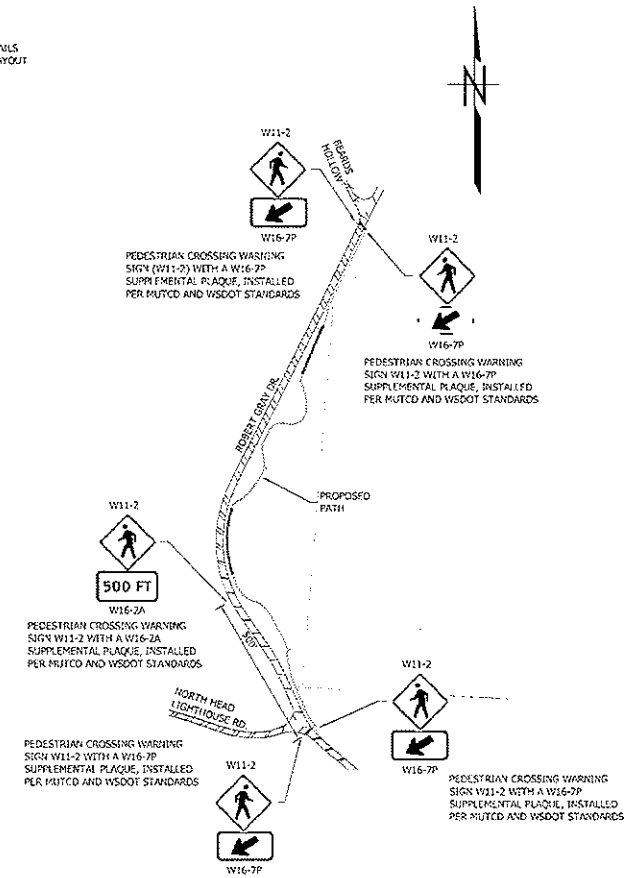
FILE NO.



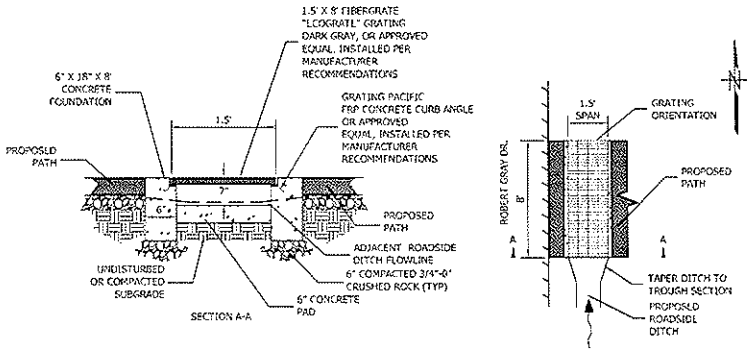
1/13 BENCH LOCATION DETAIL I
NTS



2/13 BENCH LOCATION DETAIL II
NTS



3/13 TRAFFIC SIGNAGE DETAIL
NTS



4/13 ROADSIDE DITCH CROSSING
NTS

otak

SHEET 13 OF 32

CAD NO. C8975113.DWG

NO.	REVISIONS	BY	DATE

ACTION	BY	DATE
DESIGNED	ADD	09/12/08
DRAWN	ADD	01/14/09
CHECKED (FIELD)	JCC	01/14/09
CHECKED (PROJ.)		

PRELIMINARY
EXPIRES 04/24/2010
PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION

CAPE DISAPPOINTMENT

SHARED-USE PATH PHASE I

PATH DETAILS

SCALE
NO SCALE

FILE NO.