

*Town of Indian Head
Planning Commission
Public Meeting*

*January 27, 2009
7:00 P.M.*

Boardwalk on the Potomac River



Town of
Indian Head

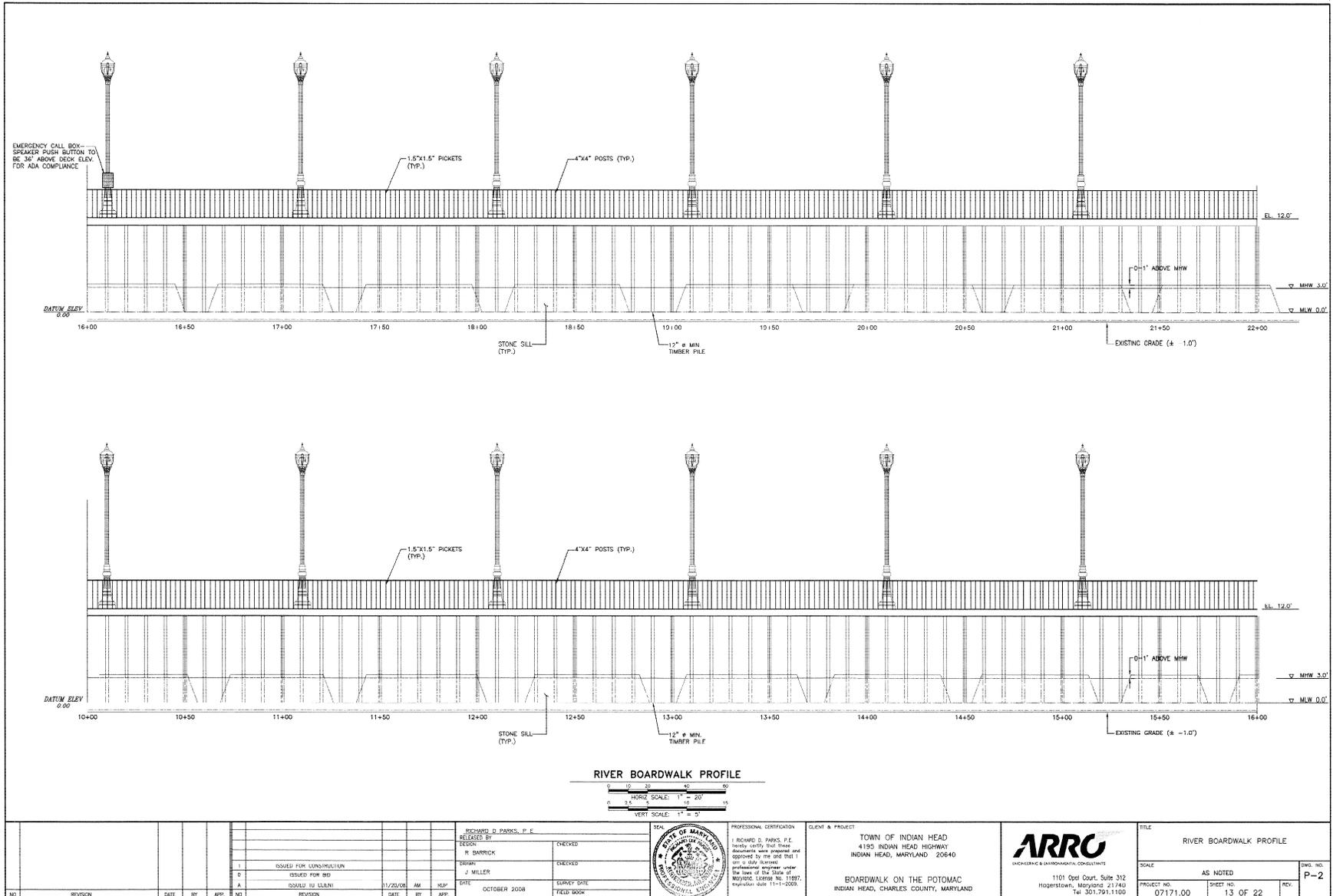
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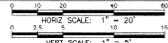
Source: 2001 MD Property View Dataset

Description of Project – Primary Elements

- 1,200 feet of 12-ft. wide boardwalk 28 feet channelward from MHW along the Potomac River with 16-ft. wide observation platforms spaced periodically.
- Living Shoreline landward and stone revetment channel-ward for erosion protection.
- 1,200 feet of ADA accessible, 8-ft. wide elevated nature boardwalk along the wetland fringe and through the forest area from eastern end of Riverwalk to existing public parking area.
- Ramps and stairs from western end of Boardwalk to existing public parking.
- Lighting and emergency call system.
- Dolphins placed at strategic locations for ice protection.
- Possible widening of existing sidewalk along Riverwatch Drive and Riverwatch Blvd. from 4 feet to 5 feet minimum to comply with SHA and ADA requirements for continuous path from State Route 210.



RIVER BOARDWALK PROFILE



NO.	REVISION	DATE	BY	APP.	NO.	REVISION	DATE	BY	APP.

ISSUED BY	ROBERT D. PARKS, P. E.
DESIGN	R. SHYRICK
CHECKED	J. MILLER
DATE	OCTOBER 2008
SURVEY DATE	
FIELD BOOK	



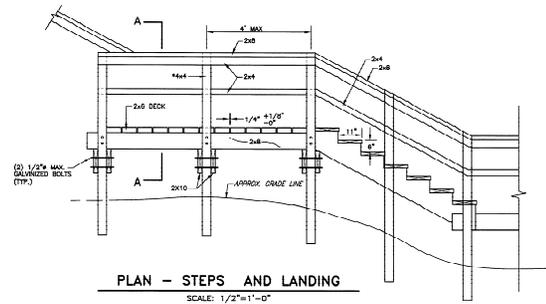
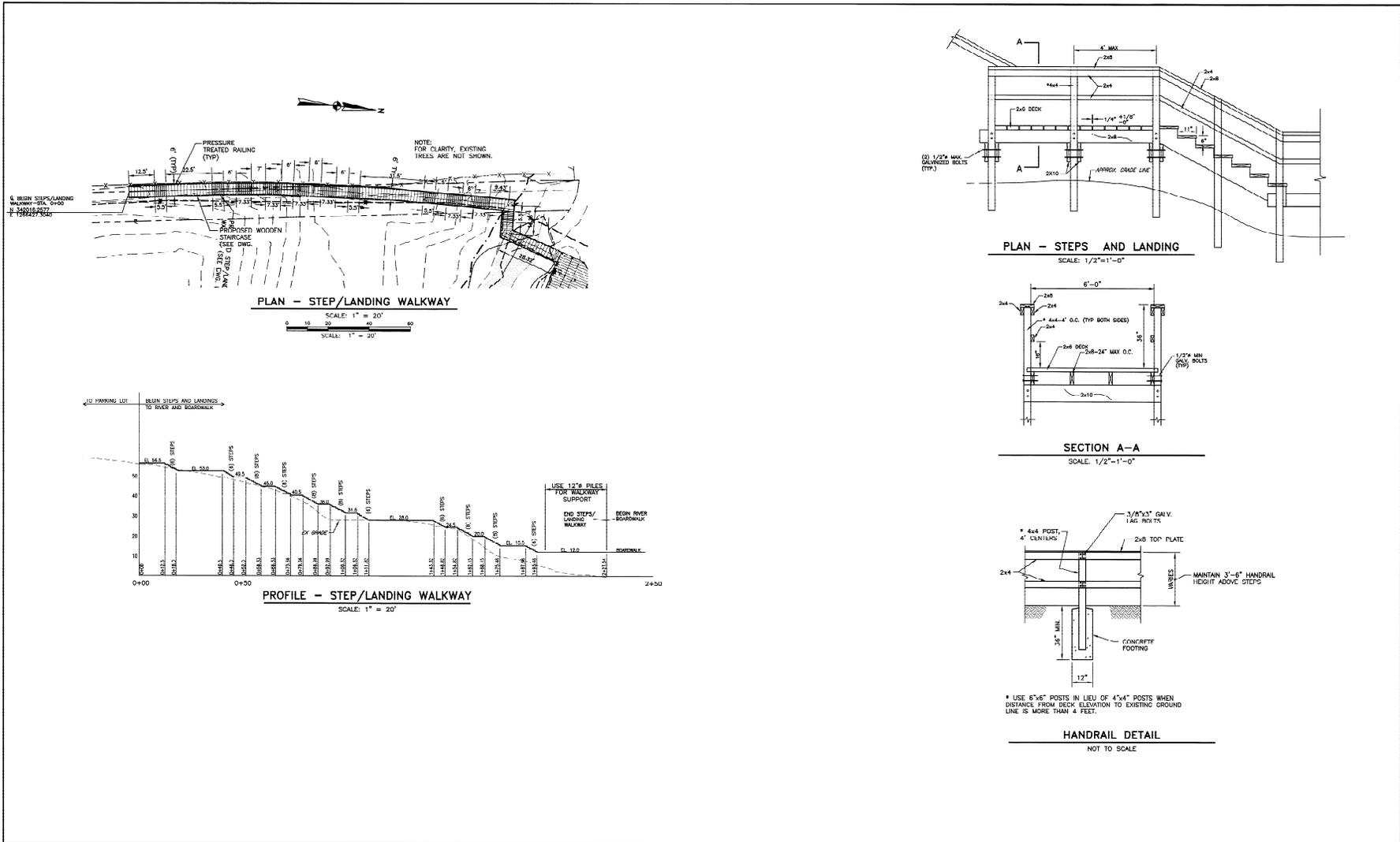
PROFESSIONAL CERTIFICATION
 I, ROBERT D. PARKS, P. E., hereby certify that these documents were prepared and approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 11887, expiration date 11-1-2009.

CLIENT & PROJECT
 TOWN OF INDIAN HEAD
 4195 INDIAN HEAD HIGHWAY
 INDIAN HEAD, MARYLAND 20640
 BOARDWALK ON THE POTOMAC
 INDIAN HEAD, CHARLES COUNTY, MARYLAND

ARRC
 ARCHITECTURE & ENVIRONMENTAL CONSULTANTS
 1101 Opel Court, Suite 312
 Hagerstown, Maryland 21740
 Tel 301.791.1100

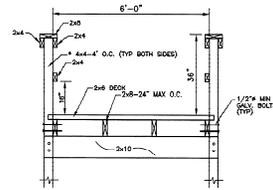
TITLE		RIVER BOARDWALK PROFILE	
SCALE	AS NOTED	DWG. NO.	P-2
PROJECT NO.	07171.00	SHEET NO.	13 OF 22
REV			

Elevation of River Boardwalk



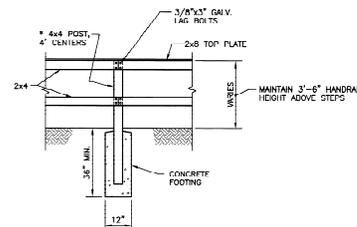
PLAN - STEPS AND LANDING

SCALE: 1/2"=1'-0"



SECTION A-A

SCALE: 1/2"=1'-0"

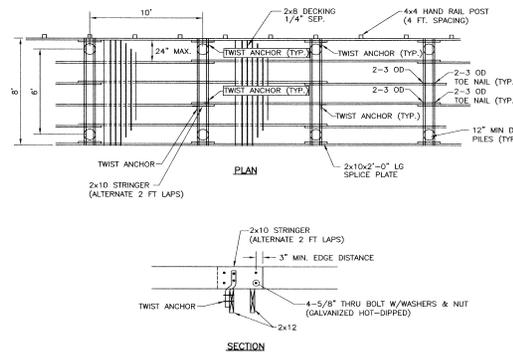


HANDRAIL DETAIL

NOT TO SCALE

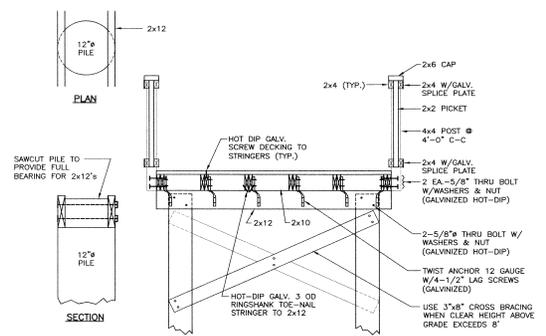
<table border="1"> <tr> <td>NO.</td> <td>REVISION</td> <td>DATE</td> <td>BY</td> <td>APP.</td> <td>NO.</td> <td>REVISION</td> <td>DATE</td> <td>BY</td> <td>APP.</td> </tr> <tr> <td>1</td> <td>ISSUED FOR CONSTRUCTION</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0</td> <td>ISSUED FOR BID</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>ISSUED TO CLIENT</td> <td>11/20/08</td> <td>AM</td> <td>RSP</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										NO.	REVISION	DATE	BY	APP.	NO.	REVISION	DATE	BY	APP.	1	ISSUED FOR CONSTRUCTION									0	ISSUED FOR BID									A	ISSUED TO CLIENT	11/20/08	AM	RSP						<p>RICHARD D. PARKS, P.E.</p> <p>DESIGNED BY: R. CARRICK</p> <p>DRAWN: CADD</p> <p>DATE: OCTOBER 2008</p> <p>SURVEY DATE: FIELD BOOK</p>				<p>PROFESSIONAL CERTIFICATION</p> <p>I, RICHARD D. PARKS, P.E. hereby certify that these documents were prepared and approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 11647, expiration date 11-1-2009.</p>		<p>CLIENT & PROJECT</p> <p>TOWN OF INDIAN HEAD 4195 INDIAN HEAD HIGHWAY INDIAN HEAD, MARYLAND 20640</p> <p>BOARDWALK ON THE POTOMAC INDIAN HEAD, CHARLES COUNTY, MARYLAND</p>		<p>TITLE</p> <p>STEP PLAN/PROFILE & STRUCTURAL DETAILS</p>		<p>DWG. NO.</p> <p>D-1</p>	
NO.	REVISION	DATE	BY	APP.	NO.	REVISION	DATE	BY	APP.																																																				
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<p>SCALE: AS SHOWN</p> <p>PROJECT NO. 7171.00</p> <p>SHEET NO. 14 OF 22</p> <p>REV.</p>																																																													

Steps along Navy Base



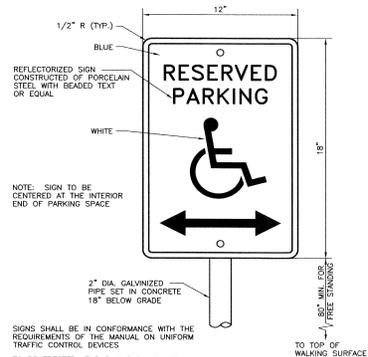
8' WIDE ADA BOARDWALK FRAMING DETAIL

NO SCALE



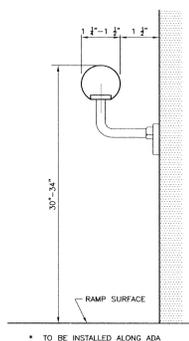
ADA BOARDWALK W/RAILING DETAIL

NO SCALE



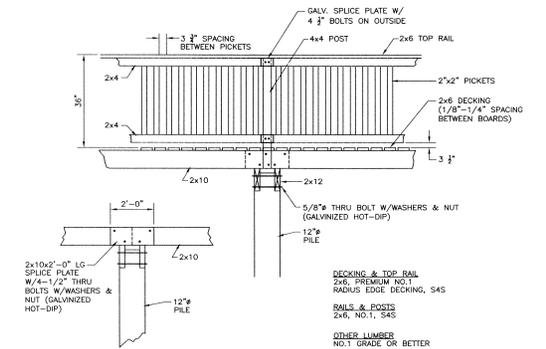
TYPICAL HANDICAPPED PARKING SIGN DETAIL

NO SCALE



TYPICAL HANDRAIL DETAIL

NO SCALE

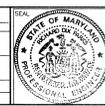


ADA BOARDWALK DECKING AND RAIL DETAIL

NO SCALE

NO.	REVISION	DATE	BY	APP.	NO.	REVISION	DATE	BY	APP.
1	ISSUED FOR CONSTRUCTION								
2	ISSUED FOR BIDDING								
3	ISSUED TO CLIENT	11/20/08	AM	RDP					

RICHARD D. PARKS, P. E.	
RELEASED BY	CHECKED
R. BARRICK	CHECKED
ISSUED BY	
J. MILLER	
DATE	SURVEY DATE
OCTOBER 2008	FIELD BOOK



PROFESSIONAL CERTIFICATION
 I, RICHARD D. PARKS, P.E., hereby certify that these documents were prepared and approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 11897, expiration date 11-1-2008.

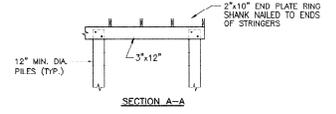
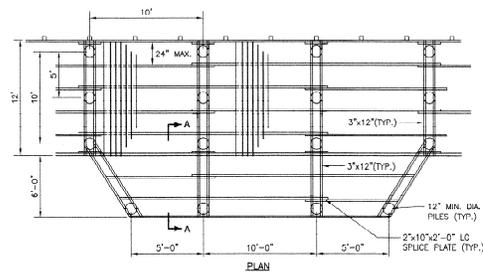
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 BOARDWALK ON THE POTOMAC
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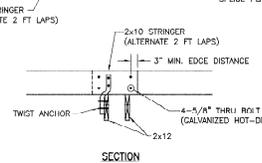
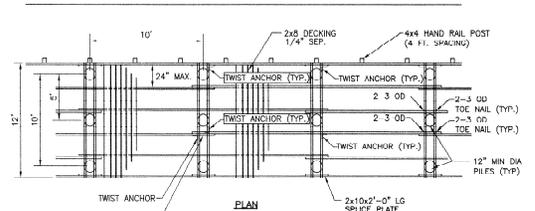
TITLE		ADA BOARDWALK/NATURE WALK STRUCTURAL DETAILS	
SCALE	AS NOTED	DWG. NO.	D-2
PROJECT NO.	07171.00	SHEET NO.	15 OF 22
REV.			S-4317

Dwg. Name: 07171428.DWG Last Revised: 11/20/08 08:18

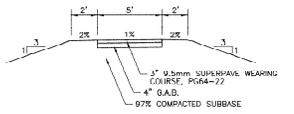
Details of ADA Walk



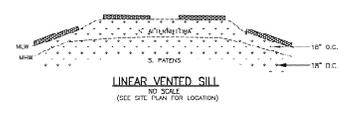
**12' WIDE WALKWAY W/
6' OBSERVATION PLATFORM**
NO SCALE



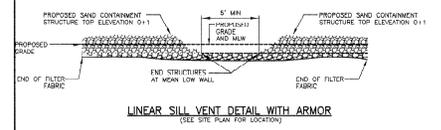
**12' WIDE ADA BOARDWALK
FRAMING DETAIL**
NO SCALE



WALKING PATH SECTION
NO SCALE

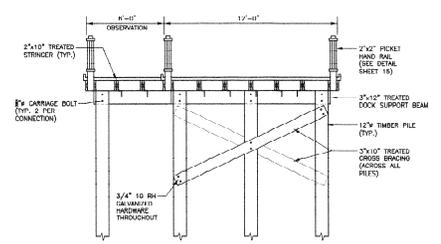


LINEAR VENTED SILL
NO SCALE

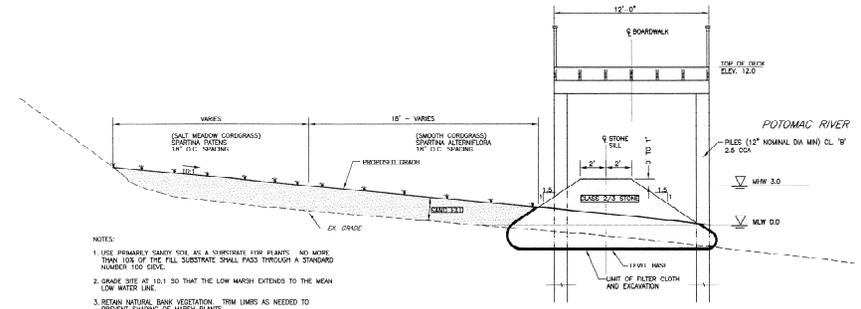


LINEAR SILL VENT DETAIL WITH ARMOR
NO SCALE

LINEAR SILL VENT
NO SCALE



RIVER BOARDWALK - TYPICAL SECTION
NO SCALE



- NOTES:
- USE PRIMARILY SANDY SOIL AS A SUBSTRATE FOR PLANTS. NO MORE THAN 10% OF THE FILL SUBSTRATE SHALL PASS THROUGH A STANDARD NUMBER 100 SIEVE.
 - GRADE SILL AT 10:1 SO THAT THE LOW MARSH EXTENDS TO THE LOW LOW WATER LINE.
 - RETAIN NATURAL BANK VEGETATION. TRIM LIMBS AS NEEDED TO PREVENT SHADING OF MARSH PLANTS.

**TYPICAL CROSS SECTION -
BOARDWALK AND MARSH CREATION**
SCALE: 1/4" = 1'-0"

REVISIONS: NO. REVISION DATE BY APP.				PROJECT INFORMATION: PROJECT NO. 07171.00 SHEET NO. 16 OF 22 REV. 5-4-17			
ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED TO CLIENT				PROJECT INFORMATION: PROJECT NO. 07171.00 SHEET NO. 16 OF 22 REV. 5-4-17			
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Details of Boardwalk along Potomac



Existing path from public parking area along Navy Base looking towards Potomac River at western terminus of Boardwalk.



Existing path along the Navy Base at western end of project.



Looking toward river from foot path along Navy Base fence on west end of project.



Existing path looking towards public parking area and Riverwatch Drive.



Existing wetlands at eastern end of Boardwalk.



Existing boat ramp at eastern end of project on private property. Potential construction access point.



Existing boat ramp along Potomac River at eastern end of Boardwalk.



Looking from eastern end of Boardwalk towards west along the Potomac River shoreline.



Looking west from east end of project along alignment of ADA boardwalk.

Agencies and Permits Needed

- ✓ Maryland Department of the Environment
Waterways and Wetlands
- ✓ Army Corps of Engineers
- ✓ SHA – Funding
- ✓ Charles County Soil Conservation District
- ✓ Critical Areas Commission
- ✓ Department of Natural Resources



Summary of NEPA Correspondence

Letter to	Sent	Response Received	Comments
Greg Golden, DNR, Environmental Review Unit	8-11-08	None	
U.S. Fish & Wildlife	8-11-08	11-18-08	No federally protected endangered or threatened species present
Maryland Historical Trust	8-11-08	8-27-08	No impact to historic structures
Critical Areas Commission	8-11-08	9-8-08	Future submittals to address minimizing disturbance to steep slopes and the buffer
Lori Byrne, DNR, Wildlife & Heritage Division	8-11-08	9-2-08	No rare, threatened or endangered species
Town of Indian Head – Section 4(f)	10-7-08	10-14-08	Project consistent with Town's recreational plans

Project Schedule

Design and
NEPA Documentation August —————> February 2009

Permitting February 2009 ———> June 2009

Bidding July 2009 —————> August 2009

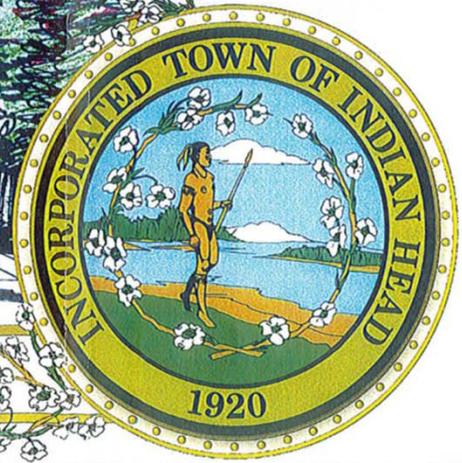
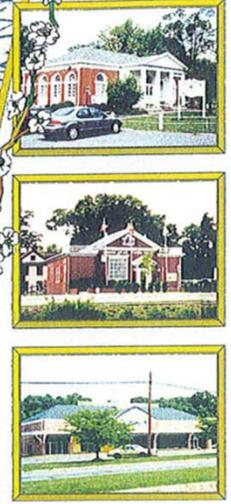
Construction September 2009 ———> September 2010

" INDIAN HEAD DEVELOPMENT "

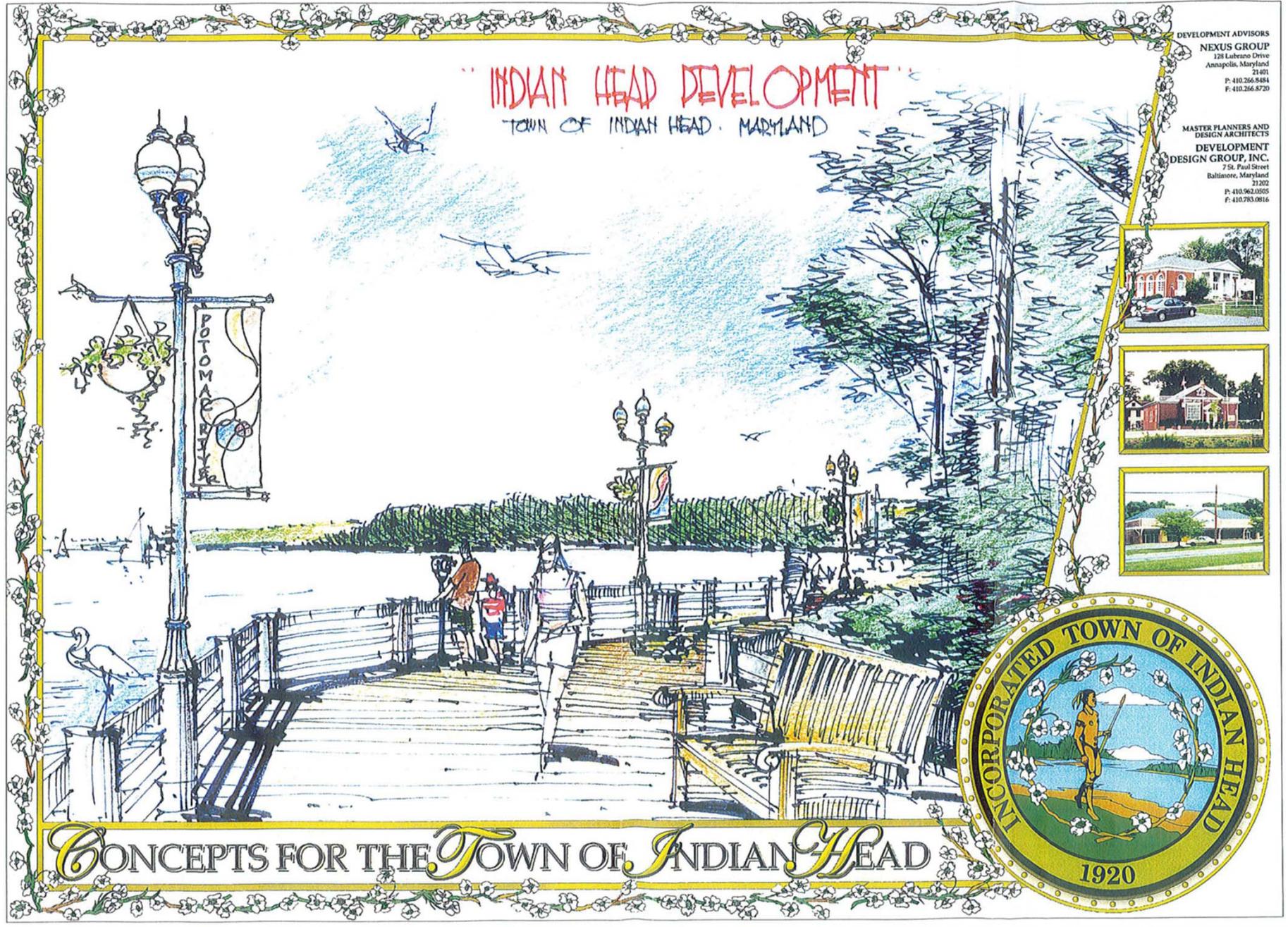
TOWN OF INDIAN HEAD · MARYLAND

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DESIGN ARCHITECTS
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F: 410.783.0616



CONCEPTS FOR THE TOWN OF INDIAN HEAD





Questions

&

Comments

