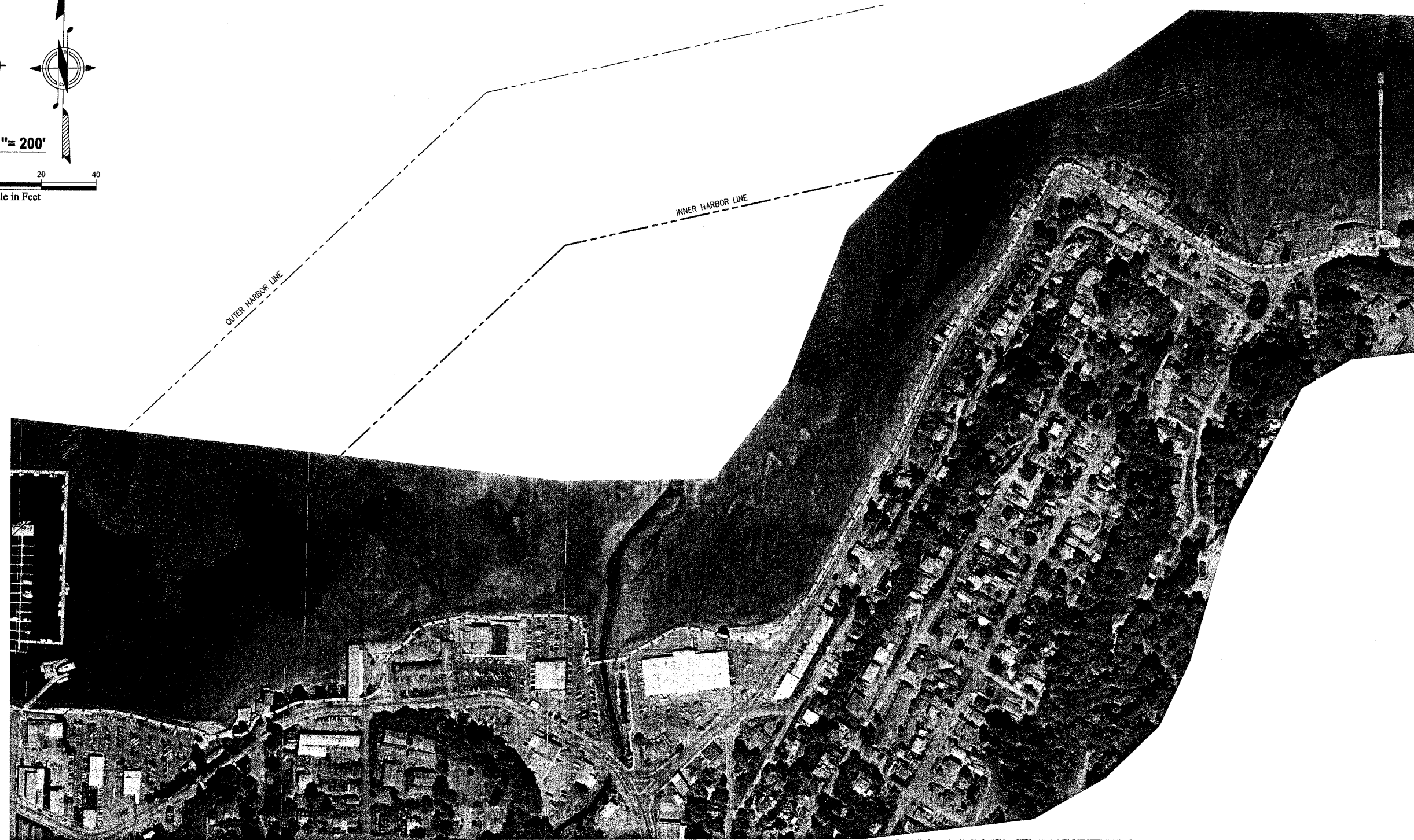
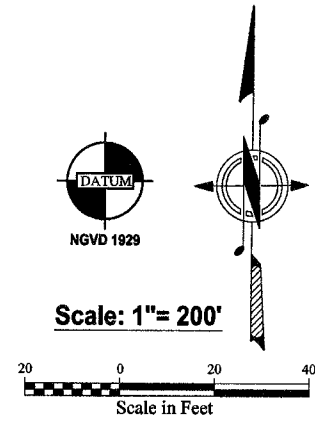
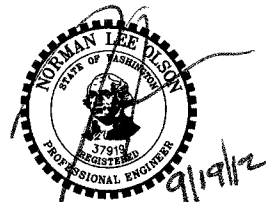


City of Port Orchard Pedestrian Enhancement Project Mosquito Fleet Trail

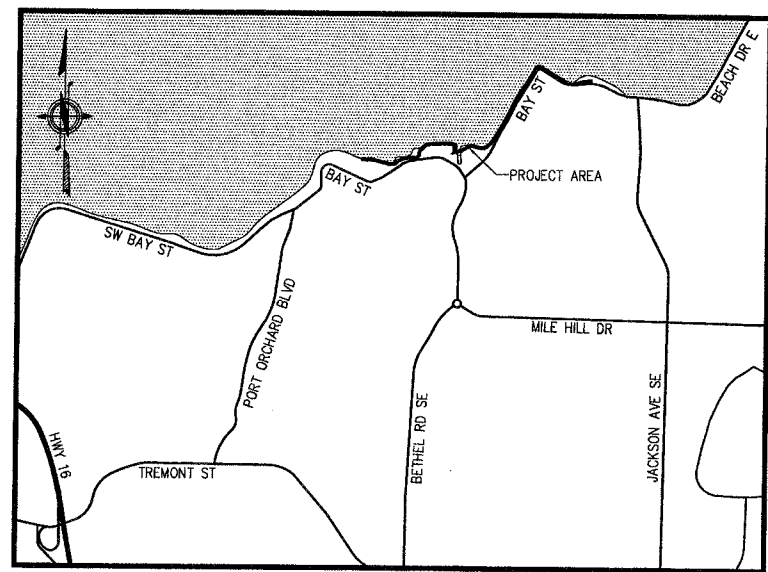


 **N.L. Olson & Associates, Inc.**
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SHEET INDEX	
C1.0	COVER SHEET
C2.0	ABBREVIATIONS, LEGEND, SYMOLS, VICINITY MAP, INDEX
C3.0	KEY MAP
C4.0	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -MARINA BOARDWALK
C4.1	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -WATERFRONT PARK
C4.2	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -ROCKWELL
C4.3	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY FORD
C4.4	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BLACKJACK/ WESTBAY
C4.5	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -WESTBAY/ BEACH
C4.6	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY ST SOUTH
C4.7	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY ST NORTH
C4.8	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY ST CORNER
C4.9	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY ST/ TRACY
C4.10	EXISTING CONDITIONS, DEMOLITION, AND TESC PLAN -BAY ST/ RETSIL
C5.0	TRAIL ALIGNMENT AND SURFACING PLAN -MARINA BOARDWALK
C5.1	TRAIL ALIGNMENT AND SURFACING PLAN -WATERFRONT PARK
C5.2	TRAIL ALIGNMENT AND SURFACING PLAN -ROCKWELL
C5.3	TRAIL ALIGNMENT AND SURFACING PLAN -BAY FORD
C5.4	TRAIL ALIGNMENT AND SURFACING PLAN -BLACKJACK/ WESTBAY
C5.5	TRAIL ALIGNMENT AND SURFACING PLAN -WESTBAY/ BEACH
C5.6	TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST SOUTH
C5.7	TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST NORTH
C5.8	TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST CORNER
C5.9	TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST/ TRACY
C5.10	TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST/ RETSIL
C6.0	STORM AND GRADING PLAN -MARINA BOARDWALK
C6.1	STORM AND GRADING PLAN -WATERFRONT PARK
C6.2	STORM AND GRADING PLAN -ROCKWELL
C6.3	STORM AND GRADING PLAN -BAY FORD
C6.4	STORM AND GRADING PLAN -BLACKJACK/ WESTBAY
C6.5	STORM AND GRADING PLAN -WESTBAY/ BEACH
C6.6	STORM AND GRADING PLAN -BAY ST SOUTH
C6.7	STORM AND GRADING PLAN -BAY ST NORTH
C6.8	STORM AND GRADING PLAN -BAY ST CORNER
C6.9	STORM AND GRADING PLAN -BAY ST/ TRACY
C6.10	STORM AND GRADING PLAN -BAY ST/ RETSIL
C7.0	TRAIL SECTIONS STA 11+90 TO STA 17+40
C7.1	TRAIL SECTIONS STA 17+90 TO STA 22+75
C7.2	TRAIL SECTIONS STA 22+75 TO STA 32+40
C7.3	TRAIL SECTIONS STA 32+90 TO STA 37+30
C7.4	TRAIL SECTIONS STA 36+51 TO STA 41+34
C7.5	TRAIL SECTIONS STA 42+43 TO STA 51+00
C7.6	TRAIL SECTIONS STA 51+56 TO STA 53+85
C7.7	TRAIL SECTIONS STA 54+40 TO STA 57+45
C7.8	TRAIL SECTIONS STA 57+87 TO STA 59+54
C7.9	TRAIL SECTIONS STA 59+93 TO STA 63+19
C7.10	TRAIL SECTIONS STA 63+44 TO STA 66+35
C7.11	TRAIL SECTIONS STA 66+65 TO STA 69+27
C8.0	MISC NOTES AND DETAILS 1
C8.1	MISC NOTES AND DETAILS 2
C8.2	MISC NOTES AND DETAILS 3
C8.3	MISC NOTES AND DETAILS 4
C8.4	TESC NOTES AND DETAILS
S0.1	STRUCTURAL NOTES
S1.0	MARINA BOARDWALK DECKING PLANS
S1.1	MARINA BOARDWALK SECTION & DETAILS
S2.0	BRIDGE SECTION & PLAN
S2.1	BRIDGE FOUNDATION DETAILS
S3.0	CANTILEVER FOUNDATION DETAILS
S3.1	CANTILEVER SIDEWALK FRAMING DETAILS
S4.0	SEAWALL PLAN
S4.1	SEAWALL DETAILS
S5.0	DECK REPLACEMENT PLANS
S5.1	DECK REPLACEMENT DETAILS
S6.0	CULVERT AREA PLAN
S6.1	CULVERT AREA DETAILS
S7.0	WALL DETAILS 1
S7.1	WALL DETAILS 2
L1.0	LANDSCAPING PLAN 1
L1.1	LANDSCAPING PLAN 2
L1.2	LANDSCAPING PLAN 3
L1.3	LANDSCAPING PLAN 4
L1.4	LANDSCAPING PLAN 5



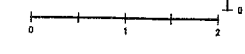
VICINITY MAP
SEC. 26, TWP. 24, R. 1E

Abbreviations

A	ACRE	GALV	GALVANIZED	SF	SQUARE FEET
AC	ASPHALT CONCRETE, ACRE	GV	GATE VALVE	SM	SOLID METAL
ADS	ADVANCED DRAINAGE SYSTEMS INC.	H	HEIGHT, HEAD, HORIZONTAL	SO	SOUTH
AF	AUDITORS FILE	HD	HEAD	SPEC	SPECIFICATION
ALT	ALTERNATIVE	HDPE	HIGH DENSITY POLYETHYLENE	SQ FT	SQUARE FEET
APN	AUDITORS PARCEL NUMBER	HMA	HOT MIX ASPHALT	SQ INS	SQUARE INCHES
APPROX	APPROXIMATE	HWY	HIGHWAY	SR	STATE ROUTE
ASSHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	ID	INSIDE DIAMETER	SSCO	SANITARY SEWER CLEAN OUT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	IE	INVERT ELEVATION	SSFM	SANITARY SEWER FORCE MAIN
ATB	ATTENTION	IMS	INTERNATIONAL WEIGHTS & STANDARDS	SSMH	SANITARY SEWER MAN HOLE
ATTN	ATTENTION	L	LINE, LENGTH	SS	SANITARY SEWER, STAINLESS STEEL
AVE	AVENUE	LBS	POUNDS	ST	STREET
BC	BOTTOM OF CURB	LF	LINEAR FEET	STA	STATION
BH	BEEHIVE	LT	LEFT	STD	STANDARD
BLVD	BOULEVARD	MAX	MAXIMUM	SW	SOUTH WEST
BMP	BEST MANAGEMENT PRACTICES	MECH	MECHANICAL	TB	TELEPHONE
BOT	BOTTOM	MH	MANHOLE	TC	TIE BACK
BOW	BACK OF WALK, BOTTOM OF EXPOSED WALL	MIN	MINIMUM	TE	TIME OF CONCENTRATION
BW	BOTTOM OF EXPOSED WALL	MISC	MISCELLANEOUS	TC	TOP OF CURB
C	CURVE	MJ	MECHANICAL JOINT	TE	TOP ELEVATION
CCB	CEMENT CONCRETE PIPE	N	NORTH	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
CB	CATCH BASIN	NE	NORTHEAST	TP	TOP OF PAVEMENT
FM	CUBIC FEET PER MINUTE	N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM	TW	TOP OF EXPOSED WALL
CFS	CUBIC FEET PER SECOND	NTS	NOT TO SCALE	V	TYPICAL
CL	CENTER LINE, CLASS	NO	NUMBER	VB	VERTICAL
CMP	CORRUGATED METAL PIPE	NOM	NOMINAL	W	WIDTH, WITH, WATER, WEST
CN	CURVE NUMBER	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	W/	WITH
CO	CLEAN OUT, COUNTY	NW	NORTHWEST	WAC	WASHINGTON ADMINISTRATIVE CODE
COMM	COMMUNICATIONS	O.C.	ON CENTER	WSHA	WASHINGTON INDUSTRIAL SAFETY AND HEALTH ADMINISTRATION
CONC	CONCRETE	OD	OUTSIDE DIAMETER	WS	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
CS	CONCRETE	OFCCO	OLYMPIC FOUNDARY COMPANY	W.S.D.O.T.	
CSB	CRUSHED STONE BASE COURSE	P	POWER		
C.S.T.C.	CRUSHED SURFACING TOP COURSE	PC	POINT OF CURVATURE		
CU FT	CUBIC FEET	PCC	POINT OF COMPOUND CURVATURE		
DEC	DECIDUOUS, DEVELOPER'S EXTENSION CONTRACT	PG	PERFORMANCE GRADING, PAGE		
DEPT	DEPARTMENT	PH	PHASE, PHONE		
DI	DUCTILE IRON	PIV	POST INDICATOR VALVE		
DIA	DIAMETER	PL	PROPERTY LINE		
E	EAST	PPM	PARTS PER MILLION		
EA	EACH	PRC	POINT OF REVERSE CURVATURE		
EL	ELEVATION	PSF	POUNDS PER SQUARE FEET		
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH		
ELEV	ELEVATION	PT	POINT OF TANGENCY		
EQ	EQUIVALENT	PVC	POLYVINYL CHLORIDE PIPE		
ETC	ETCETERA	R	RADIUS		
EX	EXISTING	RD	ROAD, ROAD DRAIN		
FDC	FIRE DEPARTMENT CONNECTION	REQ'D	REQUIRED		
FD	FOUNDATION DRAIN, FIRE DEPARTMENT	R.O.W.	RIGHT OF WAY		
FDY	FOUNDATION	RT	RIGHT		
FF	FINISHED FLOOR	S	SOUTH		
FL	FLOWLINE, FLANGE	SD	STORM DRAIN		
FM	FORCE MAIN	SDAP	SITE DEVELOPMENT ACTIVITY PERMIT		
FT	FEET	SDCO	STORM DRAIN CLEAN OUT		
GA	GAUGE, GALVANIZED	SDMH	STORM DRAIN MANHOLE		
GAL	GALLON	SED	SEDIMENT		
		SE	SOUTH EAST		

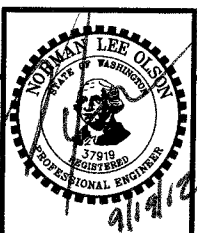
Legend

	EXISTING GROUND CONTOUR (1' INTERVALS).
	EXISTING GROUND SPOT ELEVATION.
	EXISTING CONCRETE SURFACE.
	EXISTING ASPHALT PAVED SURFACE.
	EXISTING ROCK PROTECTED SLOPE.
	EXISTING ROCK RETAINING WALL.
	EXISTING STORM DRAIN MANHOLE (TYPE II).
	EXISTING STORM DRAIN CATCH BASIN (TYPE I).
	EXISTING STORM DRAIN CLEANOUT.
	EXISTING STORM DRAIN LINE.
	EXISTING SANITARY SEWER MANHOLE.
	EXISTING SANITARY SEWER CLEANOUT.
	EXISTING SANITARY SEWER LINE.
	APPROX. LOC. 18\"/>
	EXISTING FIRE HYDRANT.
	EXISTING WATER MANHOLE.
	EXISTING WATER VALVE.
	EXISTING WATER METER.
	EXISTING FIRE DEPT. CONNECTION.
	EXISTING IRRIGATION CONTROL VALVE.
	EXISTING MONITORING WELL.
	APPROX. LOCATION WATER LINE.
	EXISTING UTILITIES POLE & GUY ANCHOR.
	EXISTING UTILITIES POLE & LUMINAIRE.
	EXISTING ELECTRICAL CABINET.
	EXISTING LUMINAIRE.
	EXISTING YARD LIGHT.
	EXISTING TRAFFIC CONTROL CABINET.
	EXISTING JUNCTION BOX.
	EXISTING POWER METER.
	APPROX. LOCATION UNDERGROUND POWER.
	EXISTING TELEPHONE MANHOLE.
	EXISTING TELEPHONE RISER.
	EXISTING GAS VALVE.
	APPROX. LOCATION GAS MAIN.
	EXISTING SIGN POST.
	EXISTING MAILBOX.
	EXISTING BOLLARD.
	EXISTING CHAIN LINK FENCE.
	EXISTING BOARD FENCE.
	EXISTING GUARD RAIL.
	EXISTING CONIFER TREE.
	EXISTING DECIDUOUS TREE.
	ORDINARY HIGH WATER LINE. (AS DETERMINED BY GEO ENGINEERS)
	PROPOSED STORM CB
	PROPOSED STORM PIPE
	PROPOSED GRADING CONTOUR
	PUBLIC ROW BOUNDARY
	PROPERTY BOUNDARY
	PROPOSED EASEMENT
	PROPOSED WALL
	PROPOSED WALL WITH RAIL
	PROPOSED CANTILEVER SUPPORT
	PROPOSED PERMANENT SIGNAGE (MUTCD STANDARDS)



REVISIONS			
NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

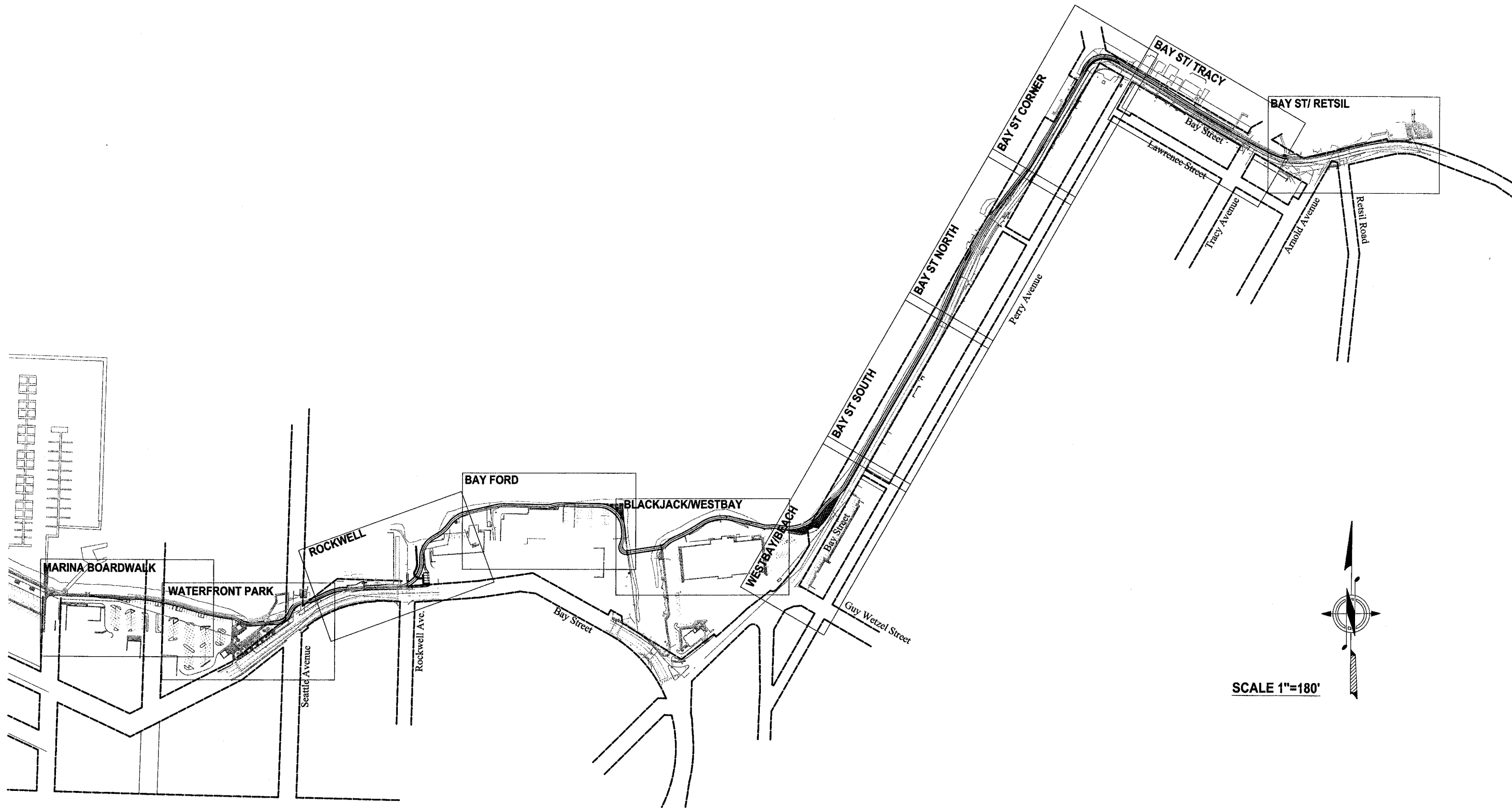


ABBREVIATIONS, LEGEND, SYMBOLS, VICINITY MAP & INDEX
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: N.T.S.
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407193
SHEET C2.0

L:\PROJECTS\151\MOSEQUITO FLEET TRAIL\W0337 FINAL TRAIL REV1337.CZ ABBREVIATIONS LEGEND SYMBOLS.dwg, 9/14/2012 3:27:26 PM, Rholmesen, UNL0044102r TDS700

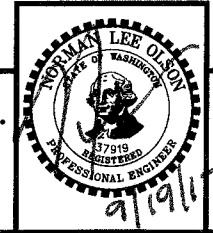


C:\projects\7337 MOSQUITO FLEET TRAIL.dwg/7337 FINAL TRAIL REV/7337 CS KEY MAP NEW.dwg, 9/11/2012 8:24:14 AM, jthomson, \NL0004\000115700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



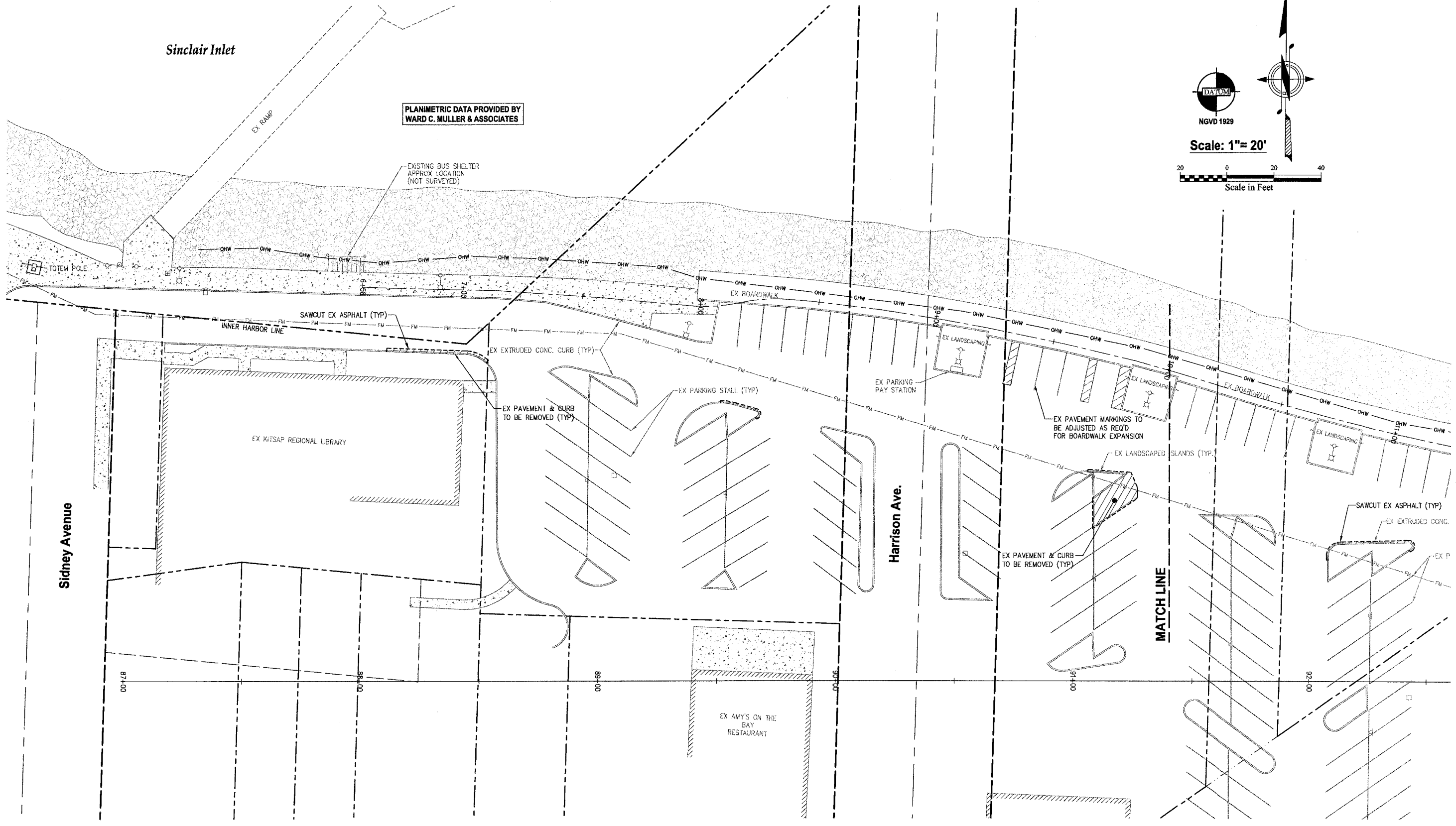
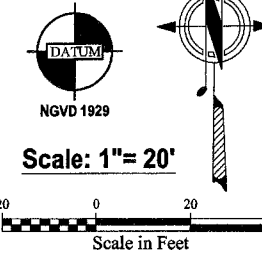
KEY MAP
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 180'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407194
 SHEET C3.0

Sinclair Inlet

PLANIMETRIC DATA PROVIDED BY
WARD C. MULLER & ASSOCIATES

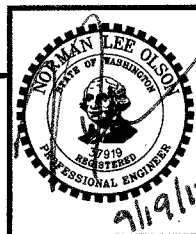


C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL REV\7337 C4.0 TO C4.9 EXISTING CONDITIONS.dwg, 9/11/2012 8:43:31 AM, JThompson, One 12570.dwg

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOII	NLOII	9/12

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. -MARINA BOARDWALK
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407195
SHEET C4.0

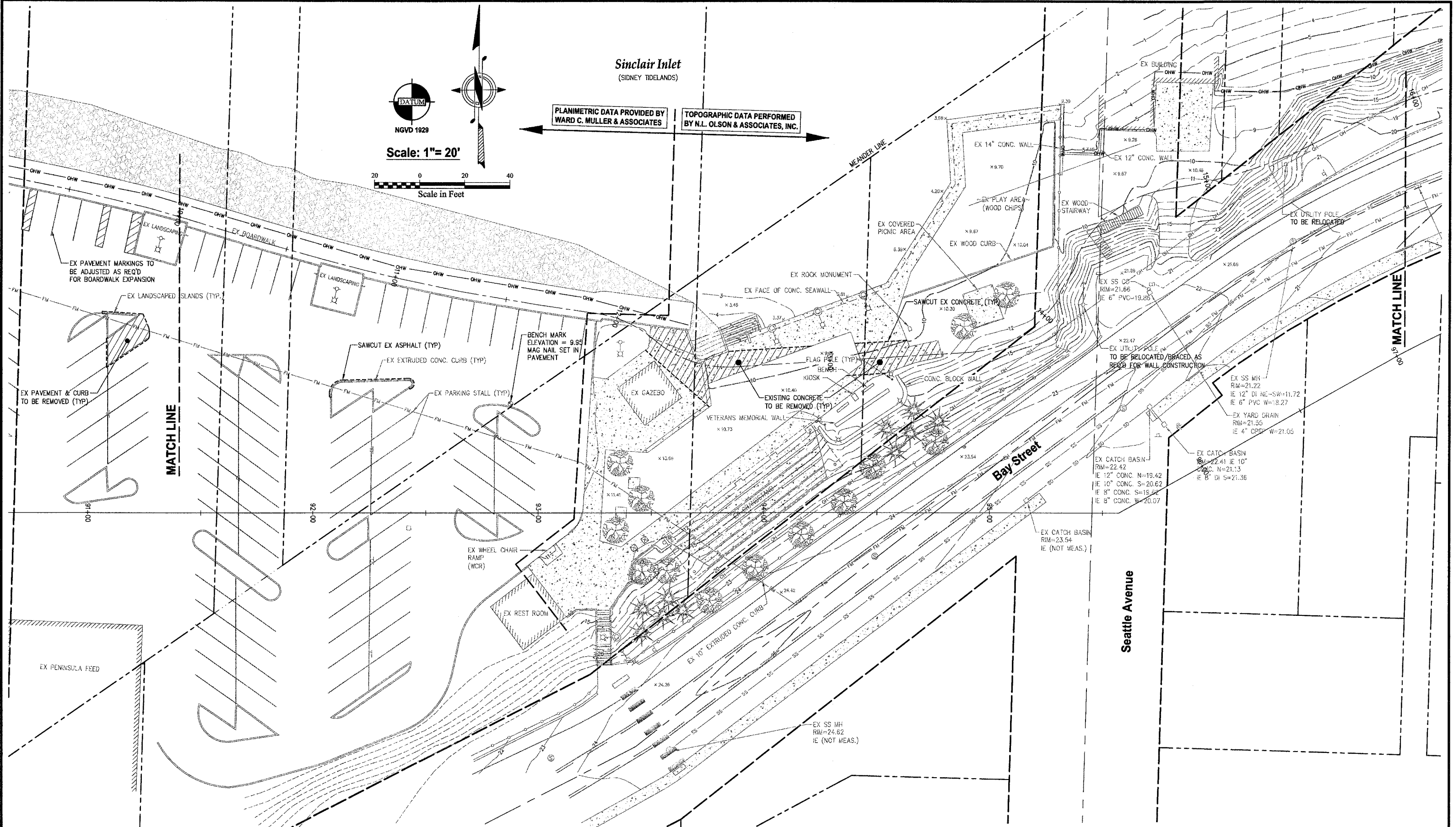
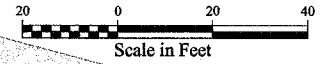
Sinclair Inlet
(SIDNEY TIDELANDS)

PLANIMETRIC DATA PROVIDED BY
WARD C. MULLER & ASSOCIATES

TOPOGRAPHIC DATA PERFORMED
BY **N.L. OLSON & ASSOCIATES, INC.**



Scale: 1" = 20'



MATCH LINE

MATCH LINE

Bay Street

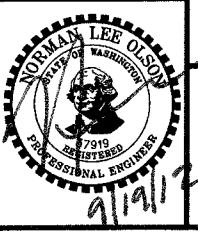
Seattle Avenue

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOII	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. - WATERFRONT PARK
City of Port Orchard Pedestrian Enhancement Project

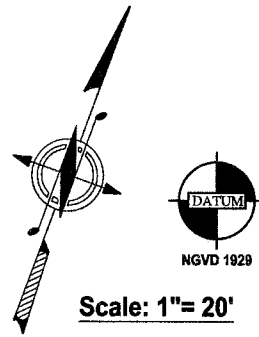
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

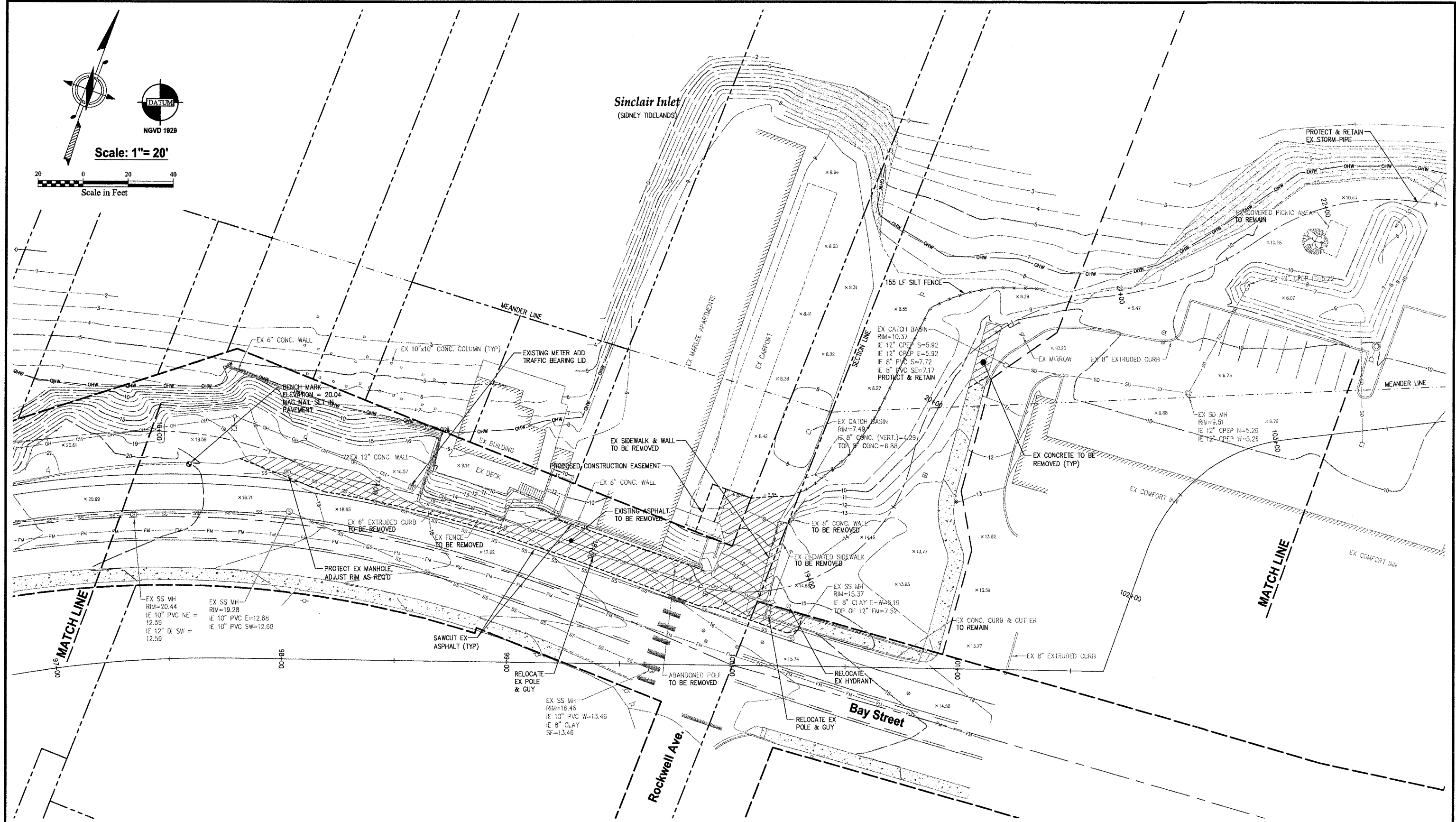
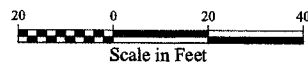
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407196
SHEET C4.1

C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL TRAIL REV17337 CAD TO C4.9 EXISTING CONDITIONS.dwg, 9/18/2012 3:39:06 PM, jhompson, \\\NLOP\A\Doc\73370



Scale: 1"= 20'

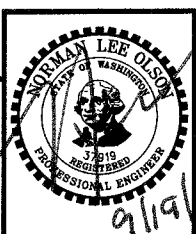


C:\projects\2337 MOSQUITO FLEET TRAIL.dwg/2337 FINAL REV\2337 C4.0 TO C4.9 EXISTING CONDITIONS.dwg, 9/11/2012 8:50:18 AM, jthompson, W:\COPWA\Doc 125270

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



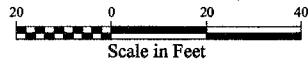
EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN - ROCKWELL
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

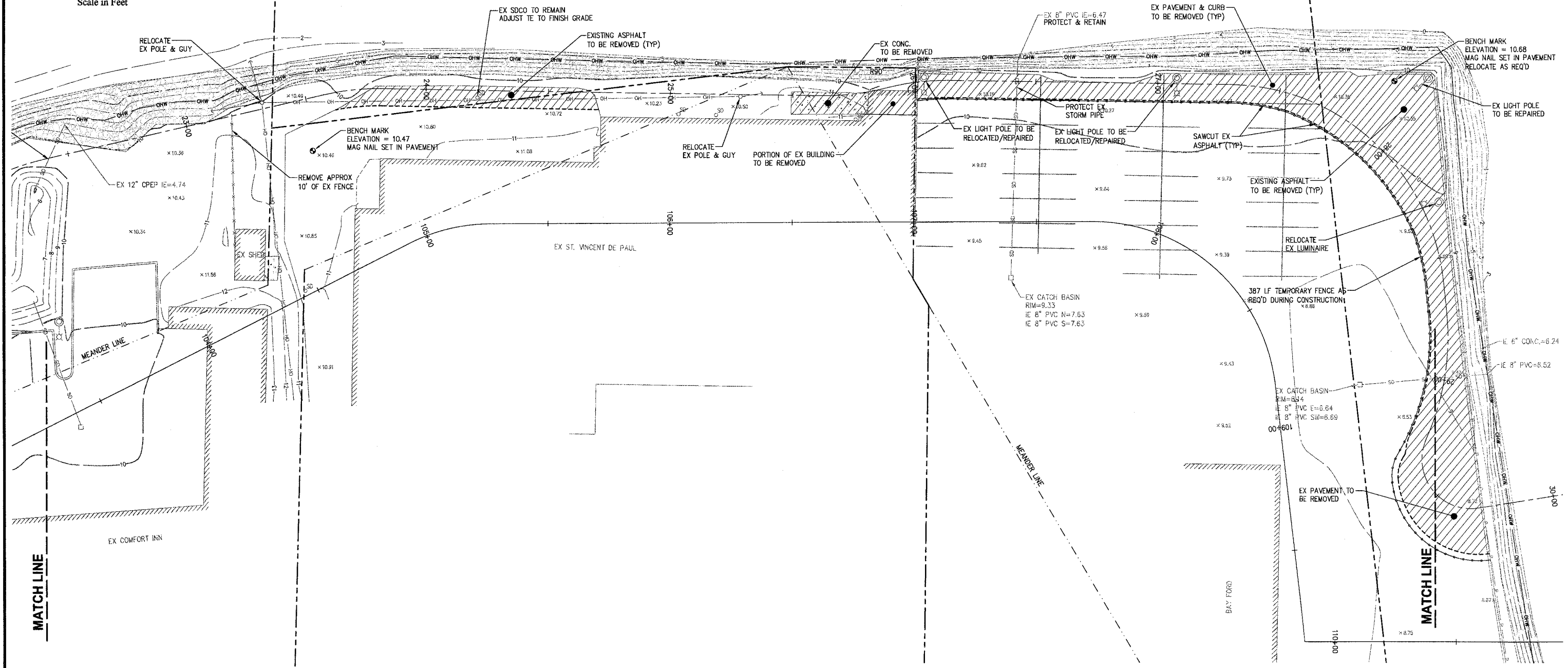
SCALE: 1"= 20'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407197
 SHEET C4.2



Scale: 1" = 20'



Sinclair Inlet
(SIDNEY TIDELANDS)

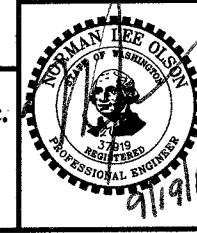


C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL TRAIL REV7337 C4.0 TO C4.9 EXISTING CONDITIONS.dwg, 9/11/2012 8:54:34 AM, jbrampton, \\\u0044\olson\105710

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

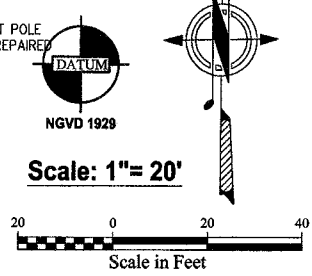
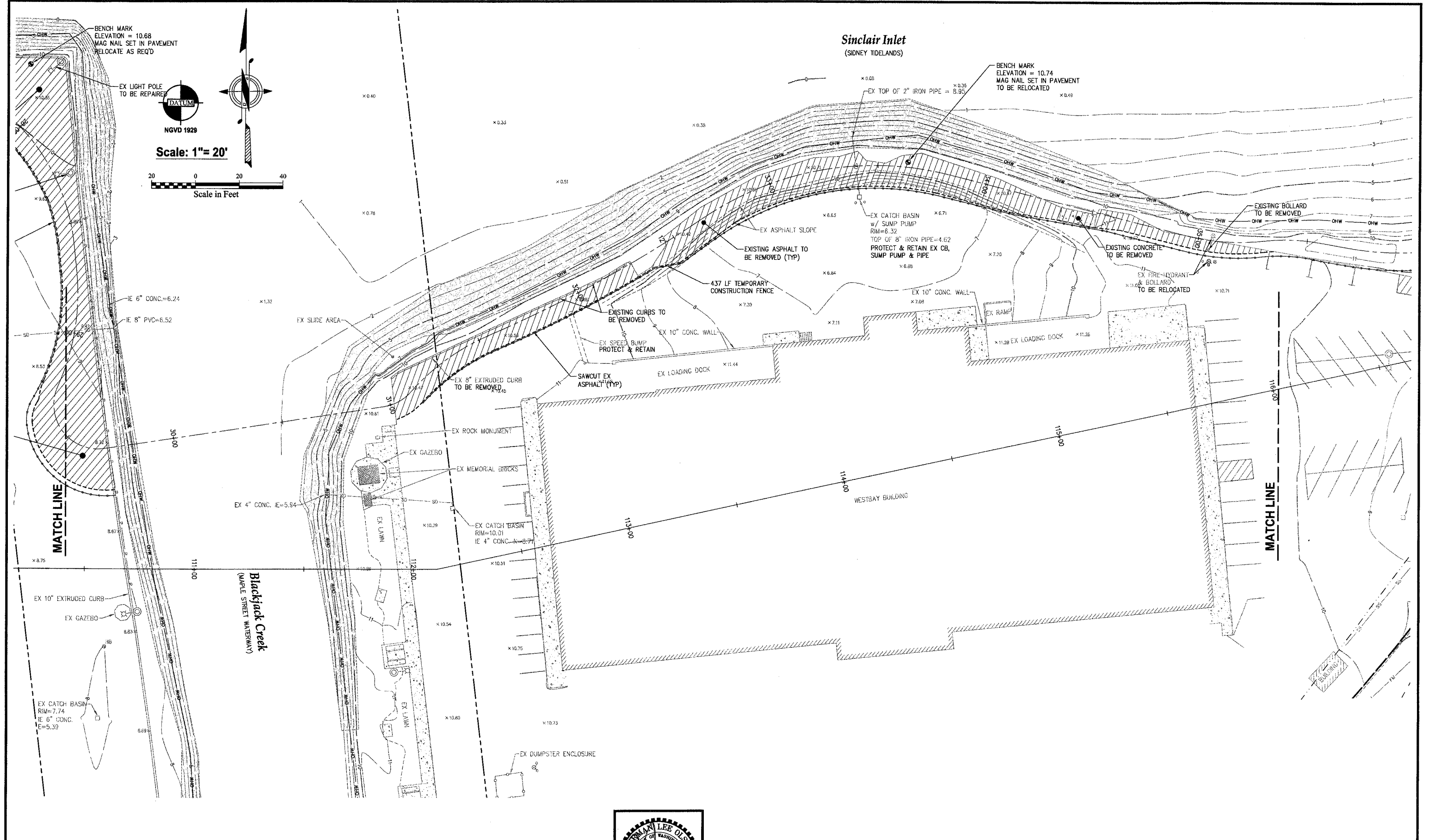


EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN -BAY FORD
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

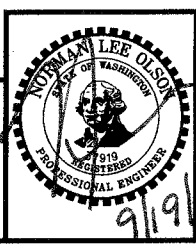
SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER 097337-407198
SHEET C4.3

C:\projects\7337 MOSQUITO FLEET TRAIL.dwg 7/337 FINAL REV 12/11/12 8:56:27 AM, JThompson, WLOOCHA/Coe TDS700



REVISIONS			
NO.	DATE	BY	DESCRIPTION

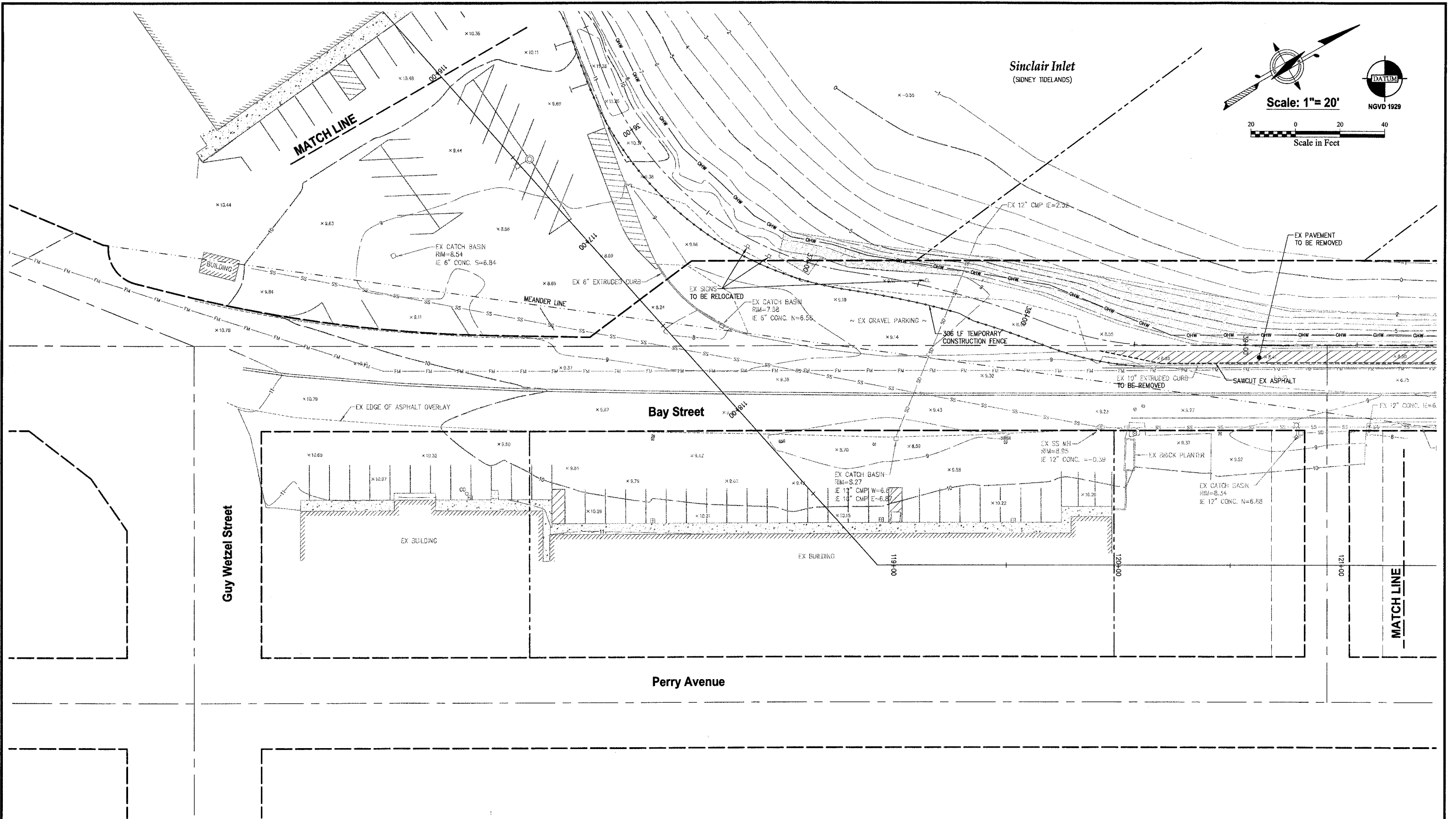
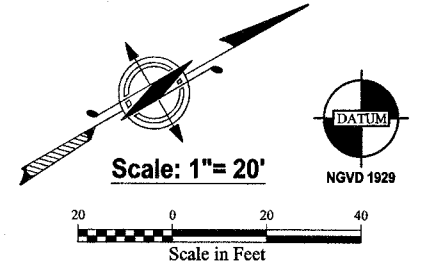
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN
-BLACKJACK/ WESTBAY
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407199
 SHEET C4.4

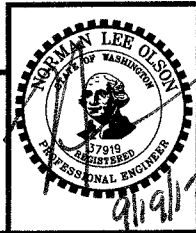


C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL TRAIL REV\7337 C4.0 TO C4.9 EXISTING CONDITIONS.dwg, 9/11/2012 8:57:55 AM, hbmason, UNLOCK\AOC\105700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

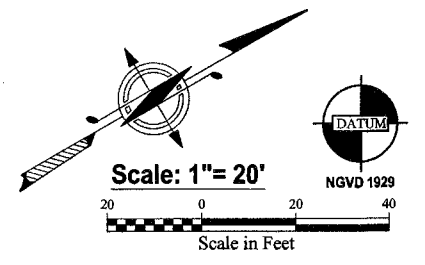
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



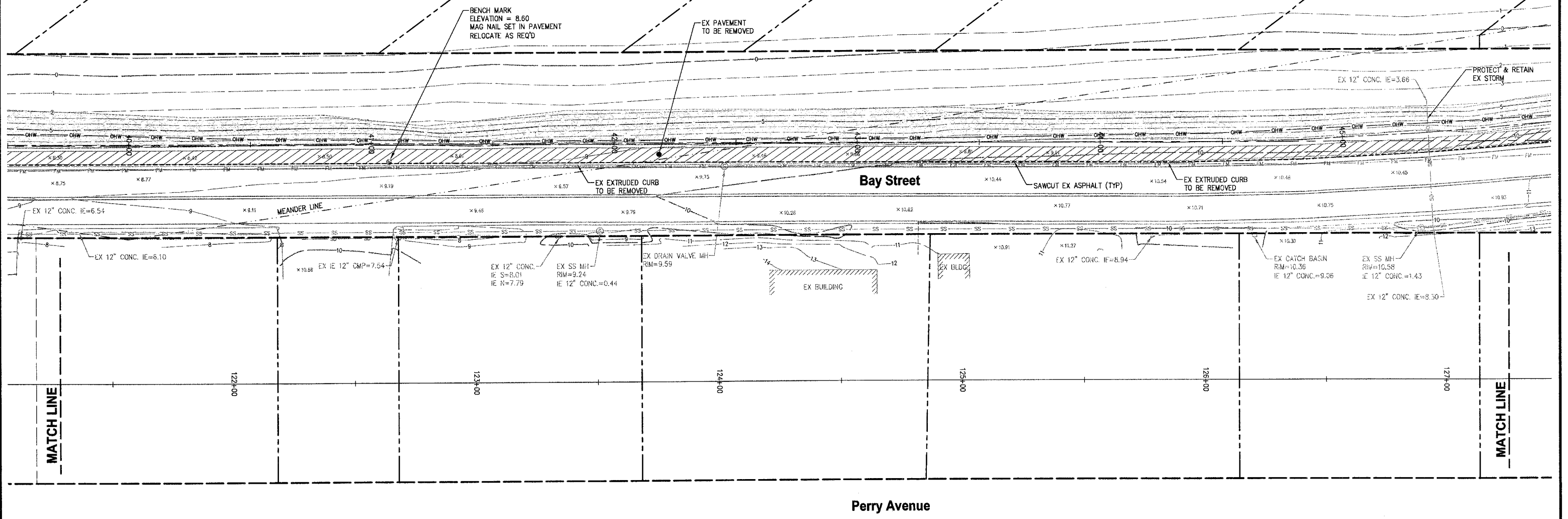
EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN
WESTBAY/ BEACH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407200
SHEET C4.5



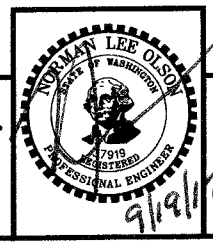
Sinclair Inlet
(SIDNEY TIDELANDS)



C:\projects\7337 MOSQUITO FLEET TRAIL\wp1\7337 FINAL TRAIL REV(7337 CAD TO C4.8 EXISTING CONDITIONS.dwg, 9/11/2012 9:02:26 AM, jbranson, \\NLOPPA\Doc 115700

REVISIONS				BY	DATE
NO.	DATE	BY	DESCRIPTION	DESIGNED	RPJ 9/12
				DRAWN	JAT 9/12
				CHECKED	NLOI 9/12
				APPROVED	
				ACCEPTED	

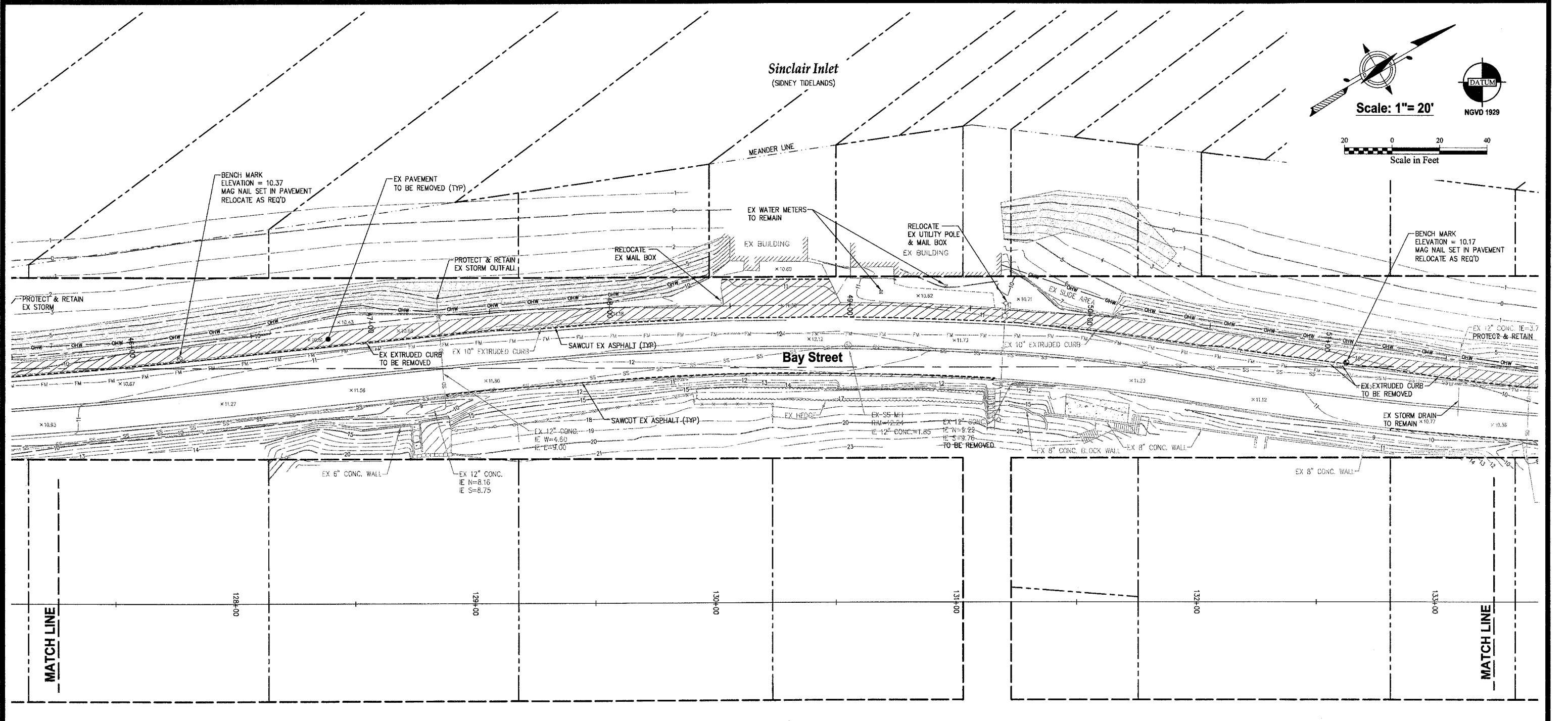
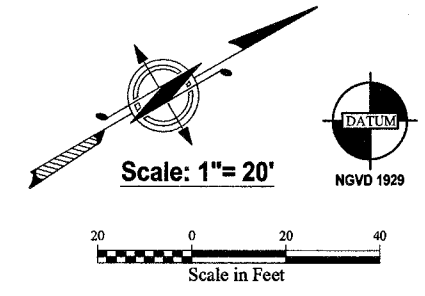
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN -BAY ST SOUTH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

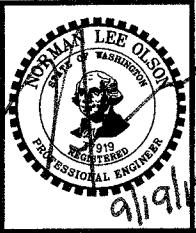
SCALE: 1"= 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407201
SHEET C4.6



REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOJ	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

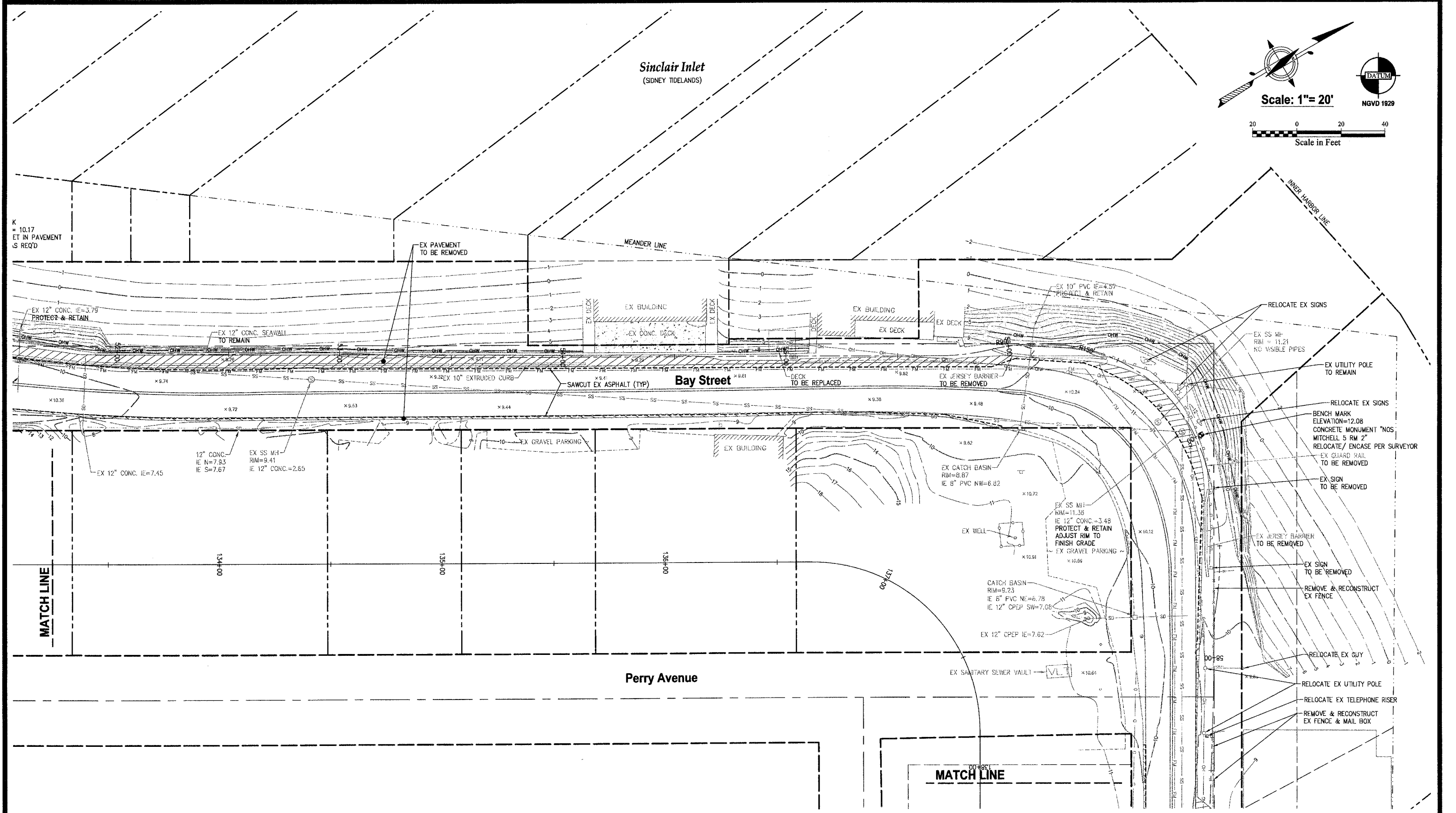
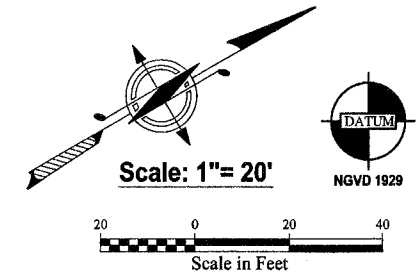


EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN - BAY ST NORTH
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't Lots 1, 2, 3 and 4, Section 25 and within Gov't Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407202
 SHEET C4.7

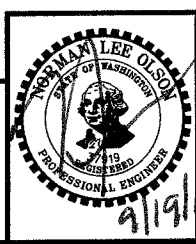
C:\projects\7337 MOSQUITO FLEET TRAIL\wp\7337 FINAL TRAIL REV7337 CAD TO CH9 EXISTING CONDITIONS.dwg, 9/11/2012 9:04:26 AM, jbrampton, UNLOCK\DLG 105700



REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOH	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN - BAY ST CORNER
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

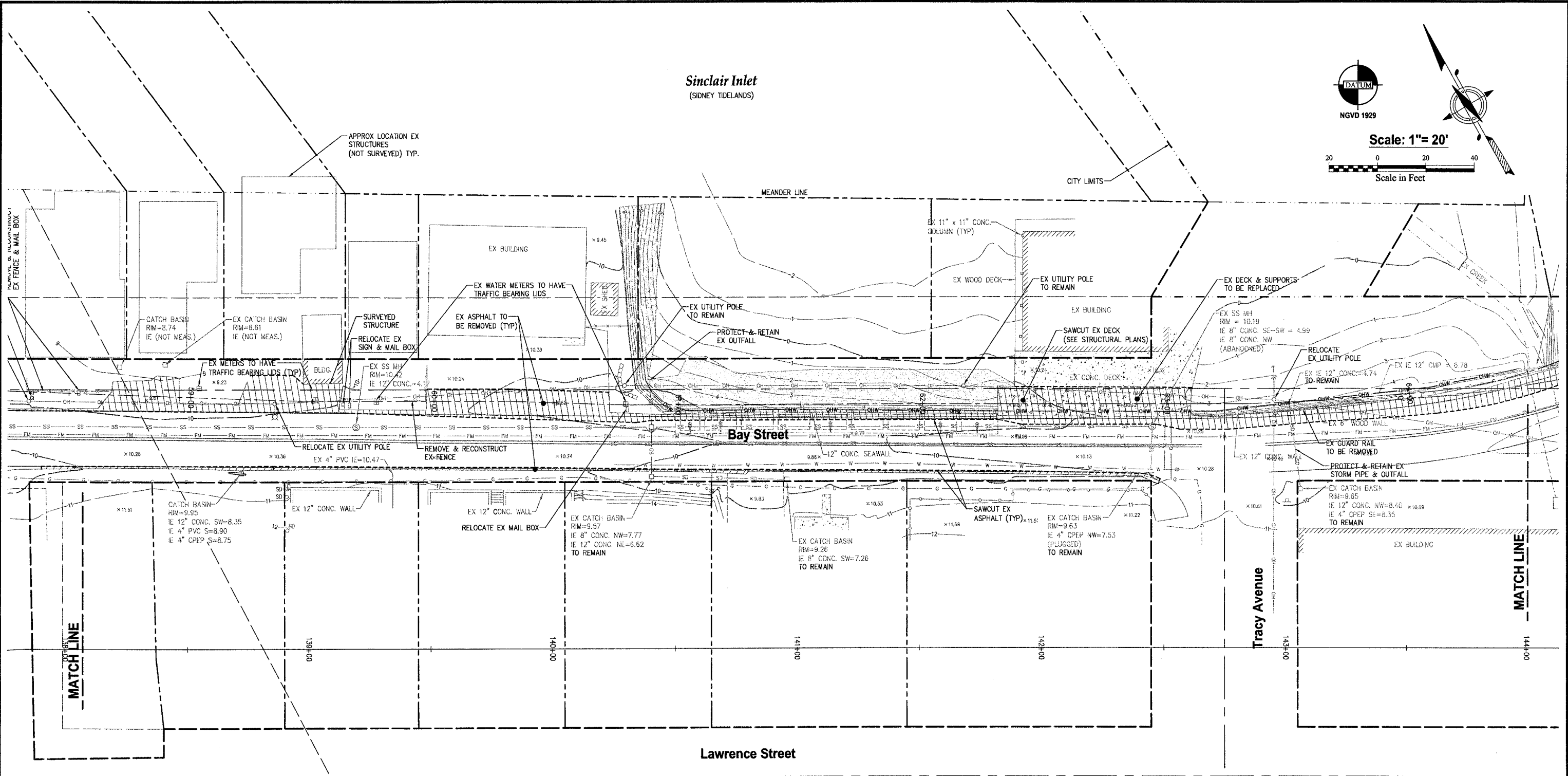
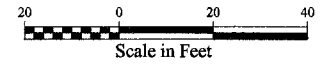
SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407203
SHEET C4.8

C:\projects\2337 MOSQUITO FLEET TRAIL\dwg\2337 FINAL TRAIL REV2337 C4.8 TO C4.9 EXISTING CONDITIONS.dwg, 9/11/2012 9:07:08 AM, Thompson, W:\DOPAA\081205700

Sinclair Inlet
(SIDNEY TIDELANDS)



Scale: 1" = 20'

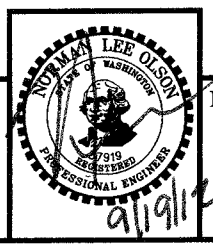


C:\projects\7337 MOSQUITO FLEET TRAIL.dwg\7337 FINAL TRAIL REV/2337/04.0 TO CA 9 EXISTING CONDITIONS.dwg, 9/11/2012 9:15:21 AM, jbrampton, \\NLOCPA\Doc 175700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



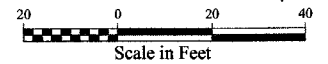
EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN -BAY ST/ TRACY
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407204
SHEET C4.9

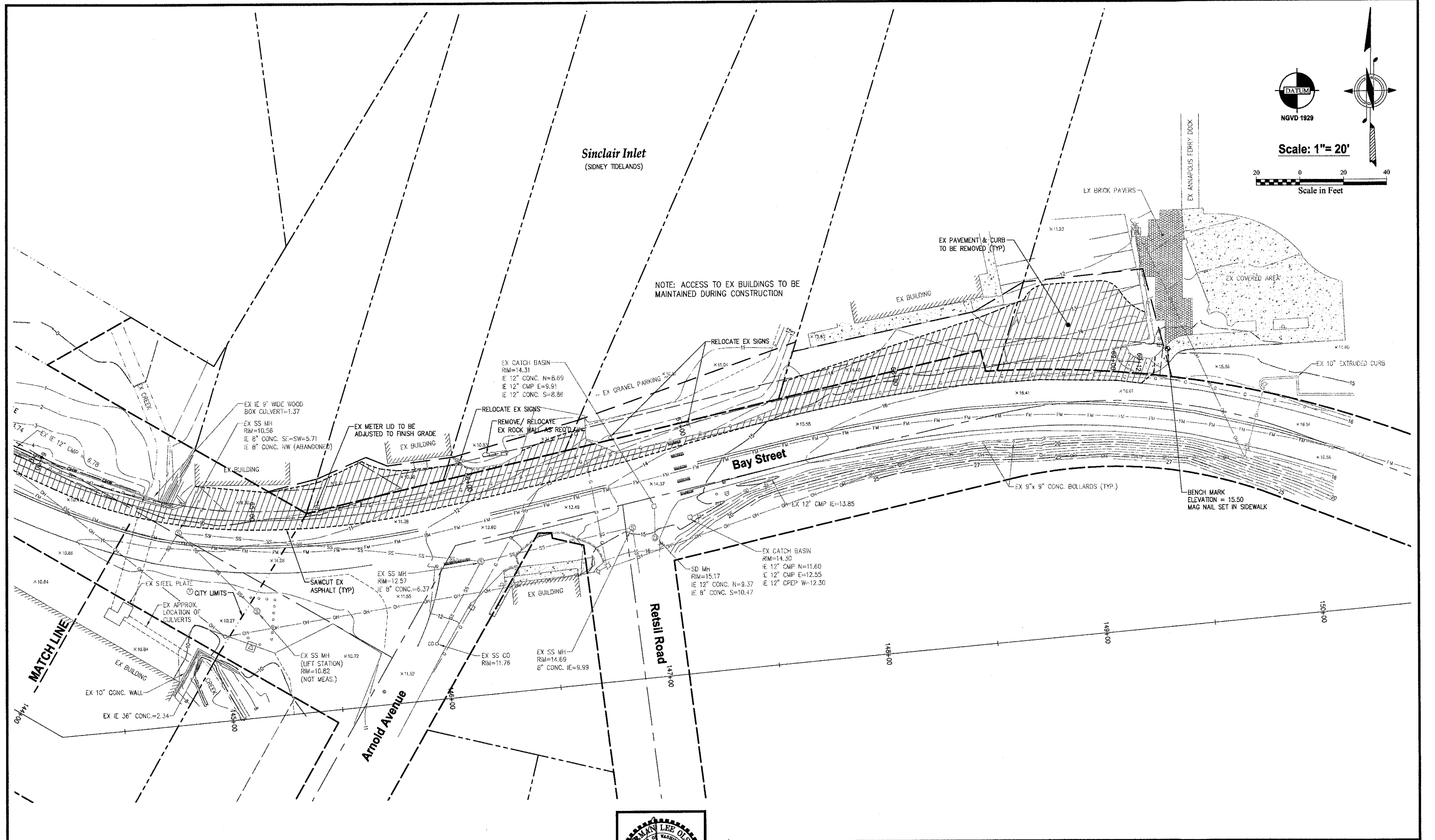


Scale: 1" = 20'



Sinclair Inlet
(SIDNEY TIDELANDS)

NOTE: ACCESS TO EX BUILDINGS TO BE MAINTAINED DURING CONSTRUCTION



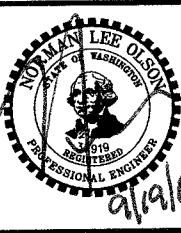
MATCH LINE

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLQII	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



EXISTING CONDITIONS, DEMOLITION & T.E.S.C. PLAN -BAY ST/ RETSIL
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407205
 SHEET C4.10

C:\projects\2337 MOSQUITO FLEET TRAIL\wp7337 FINAL TRAIL REVY7337 CAL TO CA.9 EXISTING CONDITIONS.dwg, 9/12/2012 1:28:35 PM, jthompson, W:\COPPA\08125700

LINE	LENGTH	BEARING
L1	8.94	N88°21'19"E
L2	23.66	N88°39'46"W
L3	24.39	N88°46'08"E
L4	43.68	N86°06'06"W
L5	37.20	N84°40'08"E
L6	10.04	N85°14'16"W
L7	29.04	N83°09'02"W
L8	26.72	N80°59'49"W
L9	18.93	N79°40'33"W
L10	32.92	N78°26'22"W
L11	30.30	N76°45'46"W
L12	18.62	N74°16'32"W
L13	36.31	N73°08'19"W
L14	26.80	N74°39'13"W
L15	18.84	N75°30'09"W
L16	16.11	N76°45'57"W
L17	27.73	N78°15'38"W

LINE	LENGTH	RADIUS	DELTA
C1	21.25	70.00	17°23'36"
C2	20.56	70.00	16°49'28"

PAVEMENT MARKING LEGEND

- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
- ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
- ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
- ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
- ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
- ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
- ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

PLANIMETRIC DATA PROVIDED BY
WARD C. MULLER & ASSOCIATES

NOTE: SIGNS TO
MUTCD STANDARDS

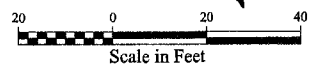
SURFACING LEGEND

- GRASS/ LANDSCAPING
- HMA 1/2" (PG 58-22)
- GRAVEL (C.S.T.C.)
- CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)
- METAL GRATE



NGVD 1929

Scale: 1"= 20'



Sinclair Inlet

TRAIL BEGINS
BEGIN STA. 6+57.50
A LINE STA. 88+01.07, 164.90 LT

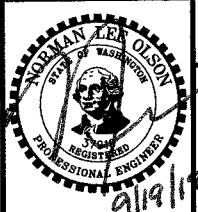
Sidney Avenue

Harrison Ave.

MATCH LINE

EX KITSAP REGIONAL LIBRARY

EX AMY'S ON THE BAY RESTAURANT



N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

TRAIL ALIGNMENT AND SURFACING PLAN - MARINA BOARDWALK
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407206
SHEET C5.0

REVISIONS				BY	DATE
NO.	DATE	BY	DESCRIPTION	DESIGNED	RPJ 9/12
				DRAWN	JAT 9/12
				CHECKED	NLOI 9/12
				APPROVED	
				ACCEPTED	

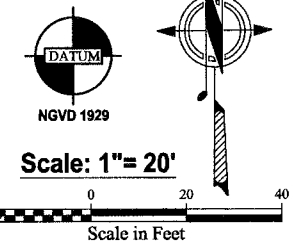
C:\p\097337\MOSQUITO FLEET TRAIL\097337_FINAL_TRAIL_ALIGNMENT_SURFACING_PLAN.dwg, 9/11/2012 1:28:25 PM, jthompson, Oes 125700.dwg

SURFACING LEGEND

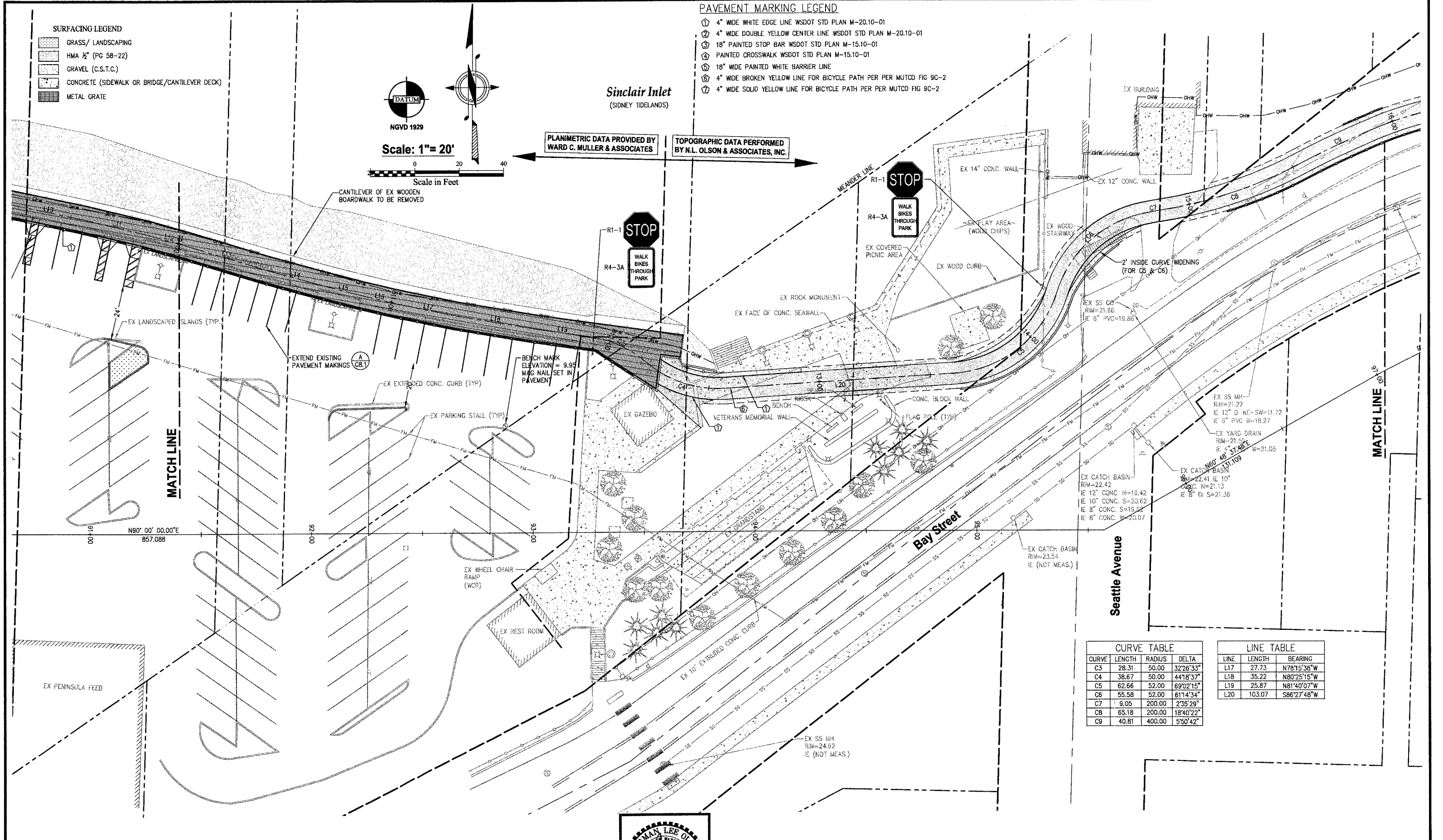
[Pattern]	GRASS/ LANDSCAPING
[Pattern]	HMA 1/2" (PG 58-22)
[Pattern]	GRAVEL (C.S.T.C.)
[Pattern]	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)
[Pattern]	METAL GRATE

PAVEMENT MARKING LEGEND

[Symbol]	4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
[Symbol]	4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
[Symbol]	18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
[Symbol]	PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
[Symbol]	18" WIDE PAINTED WHITE BARRIER LINE
[Symbol]	4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
[Symbol]	4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2



PLANIMETRIC DATA PROVIDED BY WARD C. MULLER & ASSOCIATES
 TOPOGRAPHIC DATA PERFORMED BY N.L. OLSON & ASSOCIATES, INC.



CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C3	28.31	50.00	32°26'33"
C4	38.67	50.00	44°18'37"
C5	62.66	52.00	69°02'15"
C6	55.58	52.00	61°14'34"
C7	9.05	200.00	2°35'29"
CB	65.18	200.00	18°40'22"
C9	40.81	400.00	5°50'42"

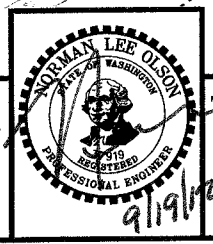
LINE TABLE

LINE	LENGTH	BEARING
L17	27.73	N78°15'38"W
L18	35.22	N80°25'15"W
L19	25.87	N81°40'07"W
L20	103.07	S86°27'48"W

REVISIONS

NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

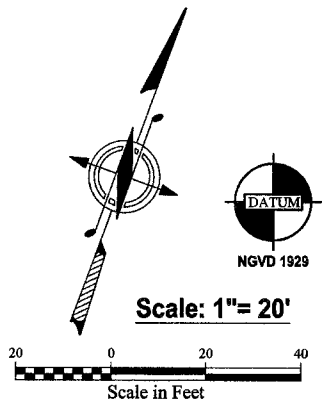


TRAIL ALIGNMENT AND SURFACING PLAN - WATERFRONT PARK
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER: **097337-407207**
 SHEET: C5.1

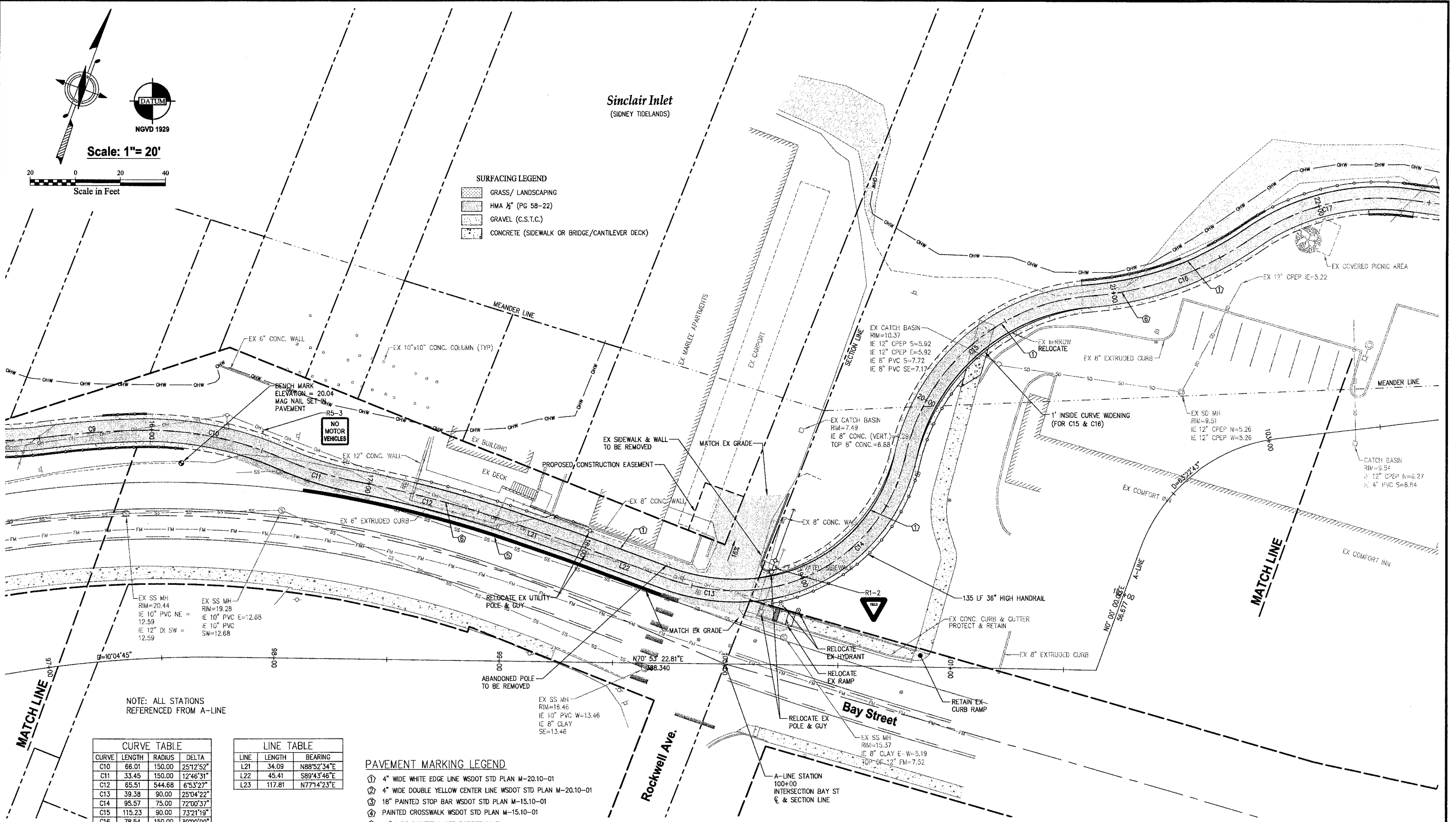
C:\projects\7337 MOSQUITO FLEET TRAIL\DWG\7337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2011 1:26:50 PM, jthompson, cee 105700.dwg



Sinclair Inlet
(SIDNEY TIDELANDS)

SURFACING LEGEND

[Pattern]	GRASS/ LANDSCAPING
[Pattern]	HMA 1/2" (PG 58-22)
[Pattern]	GRAVEL (C.S.T.C.)
[Pattern]	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)



NOTE: ALL STATIONS REFERENCED FROM A-LINE

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C10	66.01	150.00	25°12'52"
C11	33.45	150.00	12°46'31"
C12	65.51	544.68	6°53'27"
C13	39.38	90.00	25°04'22"
C14	95.57	75.00	72°00'37"
C15	115.23	90.00	73°21'19"
C16	78.54	150.00	30°00'00"
C17	72.78	100.00	41°41'50"

LINE TABLE

LINE	LENGTH	BEARING
L21	34.09	N88°52'34"E
L22	45.41	S89°43'46"E
L23	117.81	N77°14'23"E

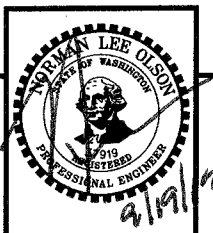
- PAVEMENT MARKING LEGEND**
- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
 - ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
 - ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
 - ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
 - ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
 - ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
 - ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL ALIGNMENT AND SURFACING PLAN - ROCKWELL
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407208
SHEET C5.2

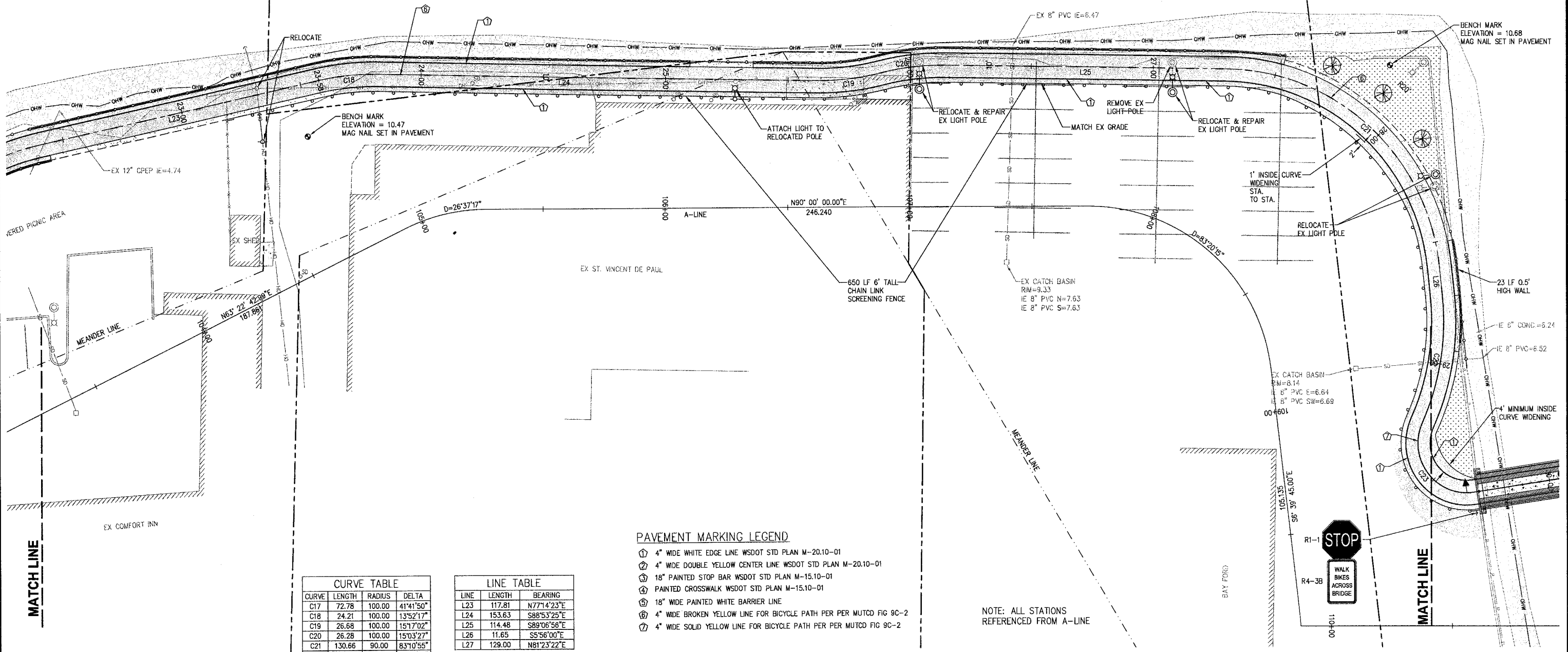
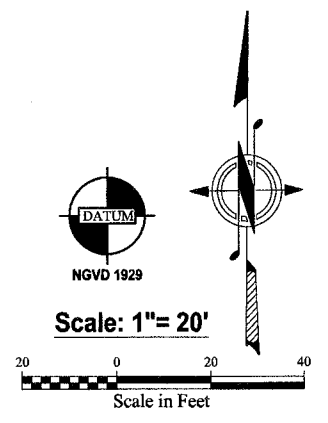
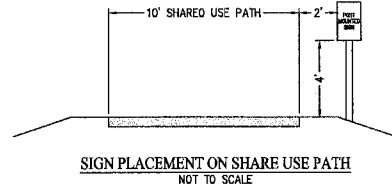
C:\projects\337 MOSQUITO FLEET TRAIL\DWG\7337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2012 1:31:20 PM, Thompson, V:\CLOPPA\Doc 1267070

TW=TOP OF WALL
 BW=BOTTOM OF EXPOSED WALL

SURFACING LEGEND

	GRASS/ LANDSCAPING
	HMA 1/2" (PG 58-22)
	GRAVEL (C.S.T.C.)
	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

Sinclair Inlet
 (SIDNEY TIDELANDS)



CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C17	72.78	100.00	41°41'50"
C18	24.21	100.00	13°52'17"
C19	26.68	100.00	15°17'02"
C20	26.28	100.00	15°03'27"
C21	130.66	90.00	83°10'55"
C22	53.09	100.00	30°25'12"
C23	42.97	20.00	123°05'50"

LINE TABLE

LINE	LENGTH	BEARING
L23	117.81	N77°14'23"E
L24	153.63	S88°53'25"E
L25	114.48	S89°06'56"E
L26	11.65	S5°56'00"E
L27	129.00	N81°23'22"E

- PAVEMENT MARKING LEGEND**
- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
 - ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
 - ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
 - ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
 - ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
 - ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
 - ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

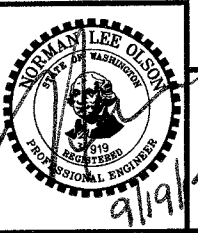
NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY DATE
 DESIGNED RPJ 9/12
 DRAWN JAT 9/12
 CHECKED NLOH 9/12
 APPROVED
 ACCEPTED

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



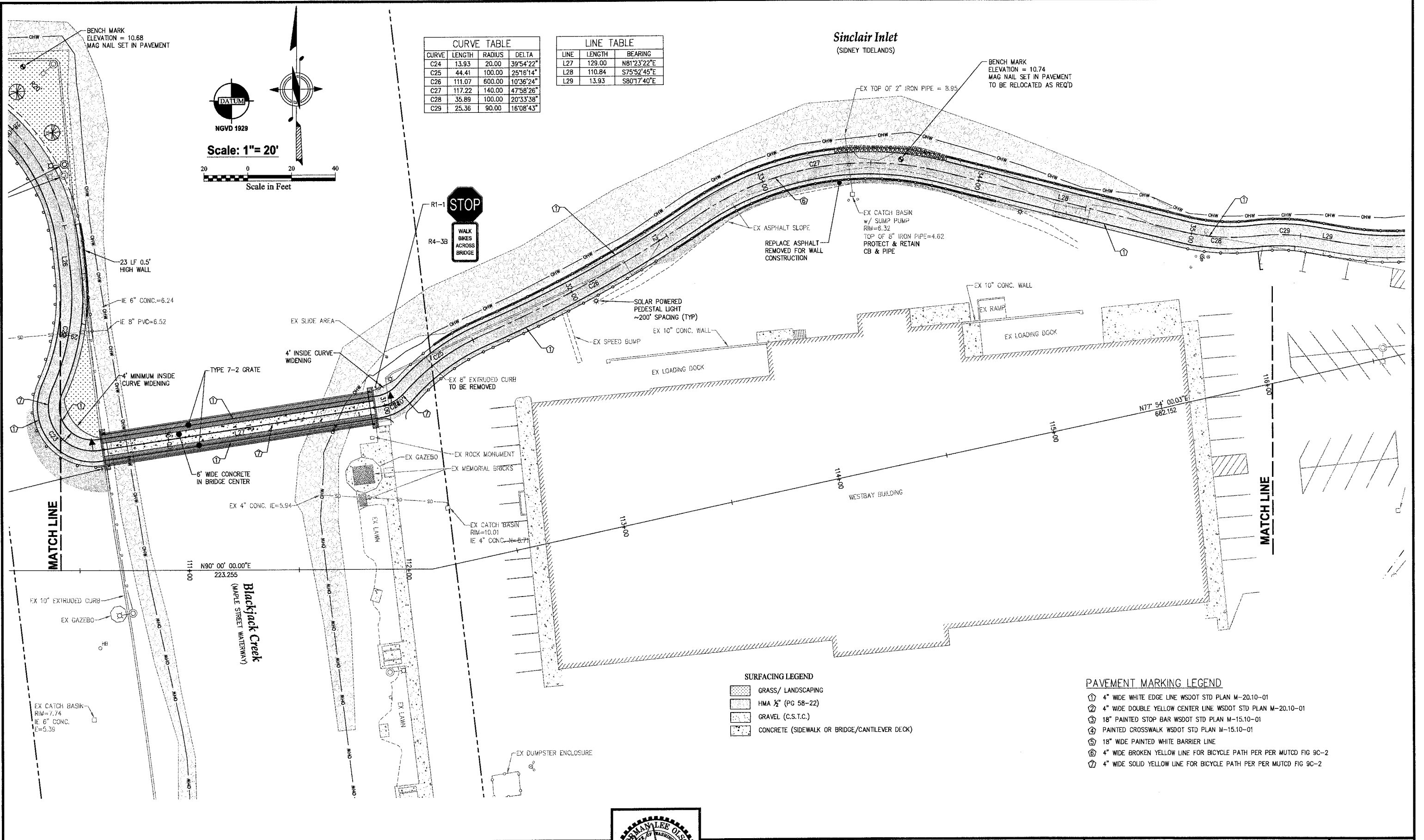
TRAIL ALIGNMENT AND SURFACING PLAN -BAY FORD
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER
097337-407209
 SHEET C5.3

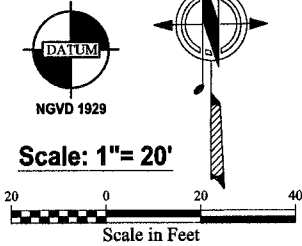
C:\projects\7337 Mosquito Fleet Trail\Drawings\7337 TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2011 1:37:01 PM, [username], W:\CADD\Draws\7337

C:\projects\737 MOSQUITO FLEET TRAIL\dwg\737 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2012, 1:40:46 PM, jhompson, W:\CADD\A\Doc TDS2700



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C24	13.93	20.00	39°54'22"
C25	44.41	100.00	25°16'14"
C26	111.07	600.00	10°36'24"
C27	117.22	140.00	47°58'26"
C28	35.89	100.00	20°33'38"
C29	25.36	90.00	16°08'43"

LINE TABLE		
LINE	LENGTH	BEARING
L27	129.00	N81°23'22"E
L28	110.84	S75°52'45"E
L29	13.93	S80°17'40"E



Sinclair Inlet
(SIDNEY TIDELANDS)

BENCH MARK
ELEVATION = 10.74
MAG NAIL SET IN PAVEMENT
TO BE RELOCATED AS REQ'D



MATCH LINE

MATCH LINE

Blackjack Creek
(MAPLE STREET WATERWAY)

SURFACING LEGEND

	GRASS/ LANDSCAPING
	HMA 1/2" (PG 58-22)
	GRAVEL (C.S.T.C.)
	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

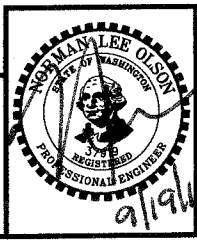
PAVEMENT MARKING LEGEND

	4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
	4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
	18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
	PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
	18" WIDE PAINTED WHITE BARRIER LINE
	4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2
	4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOII	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



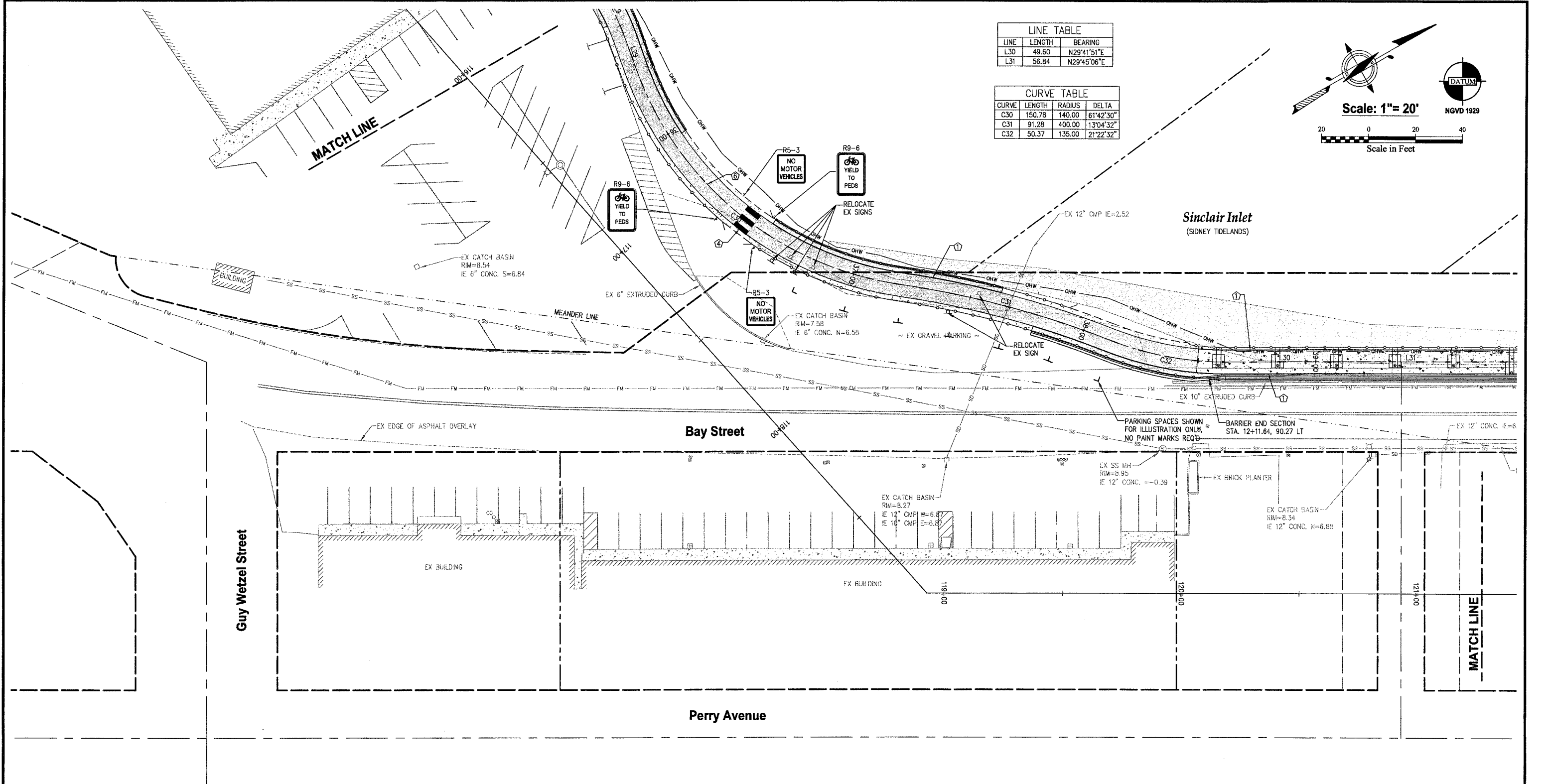
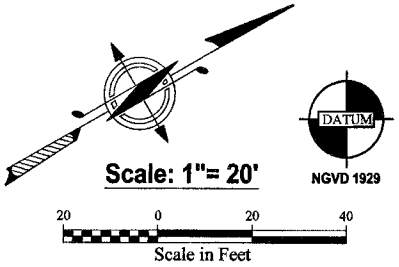
TRAIL ALIGNMENT AND SURFACING PLAN -BLACKJACK/ WEST BAY
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407210
SHEET C5.4

LINE TABLE		
LINE	LENGTH	BEARING
L30	49.60	N29°41'51"E
L31	56.84	N29°45'06"E

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C30	150.78	140.00	61°42'30"
C31	91.28	400.00	13°04'32"
C32	50.37	135.00	21°22'32"



SURFACING LEGEND

	GRASS/ LANDSCAPING
	HMA 1/2" (PG 58-22)
	GRAVEL (C.S.T.C.)
	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

PAVEMENT MARKING LEGEND

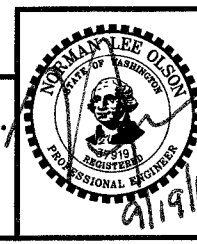
	4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
	4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
	18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
	PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
	18" WIDE PAINTED WHITE BARRIER LINE
	4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2
	4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2

NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL ALIGNMENT AND SURFACING PLAN -WEST BAY/ BEACH
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER
097337-407211
 SHEET C5.5

C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/12/2011 1:48:25 PM, jthompson, \\\u0000\000 105700

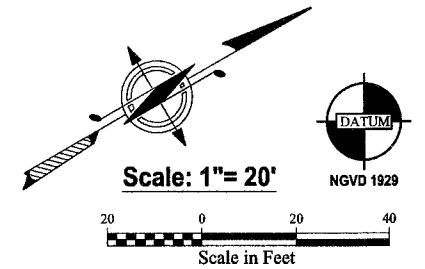
PAVEMENT MARKING LEGEND

- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
- ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
- ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
- ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
- ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
- ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
- ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

LINE	LENGTH	BEARING
L32	56.38	N29°41'03"E
L33	54.11	N29°40'50"E
L34	55.64	N29°46'34"E
L35	28.13	N30°02'13"E
L36	51.83	N29°50'12"E
L37	54.05	N30°01'56"E
L38	56.33	N30°08'50"E
L39	53.37	N29°51'06"E
L40	52.24	N30°03'41"E
L41	52.22	N28°46'06"E
L42	50.22	N26°55'03"E
L43	51.77	N25°15'06"E

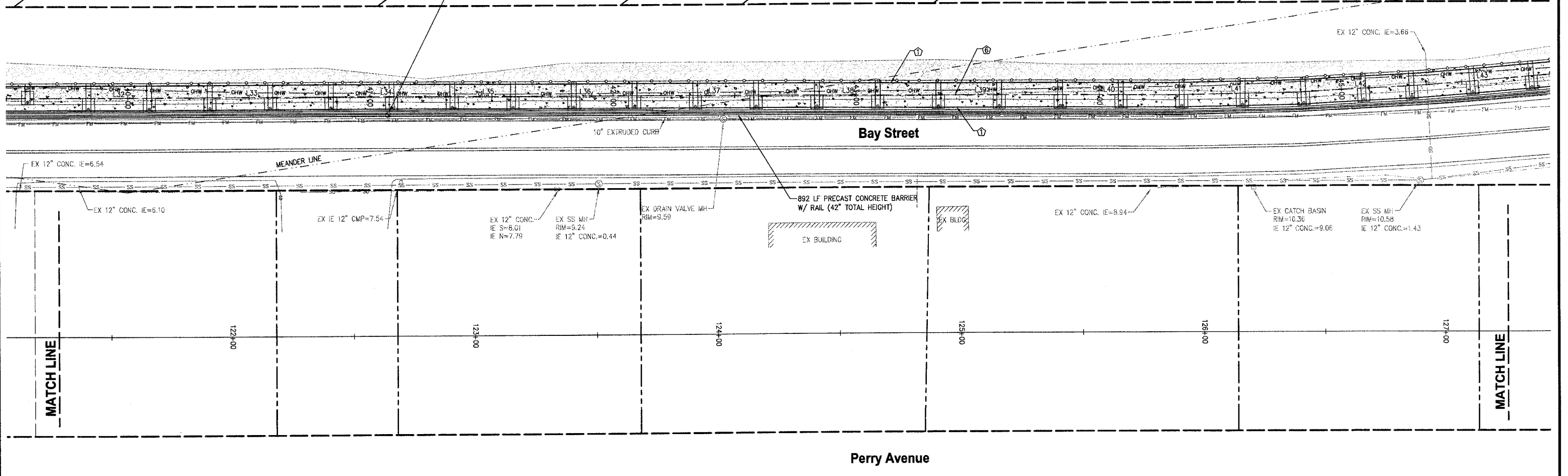
SURFACING LEGEND

- GRASS/ LANDSCAPING
- HMA 1/2" (PG 58-22)
- GRAVEL (C.S.T.C.)
- CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)



Sinclair Inlet
(SIDNEY TIDELANDS)

BENCH MARK
ELEVATION = 8.60
MAG NAIL SET IN PAVEMENT



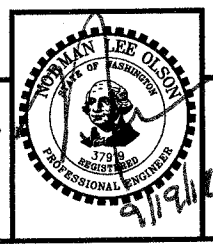
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\2337 MOSQUITO FLEET TRAIL.dwg 9/11/2012 2:01:30 PM jthompson \NLO\DATA\Doc\TDS700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

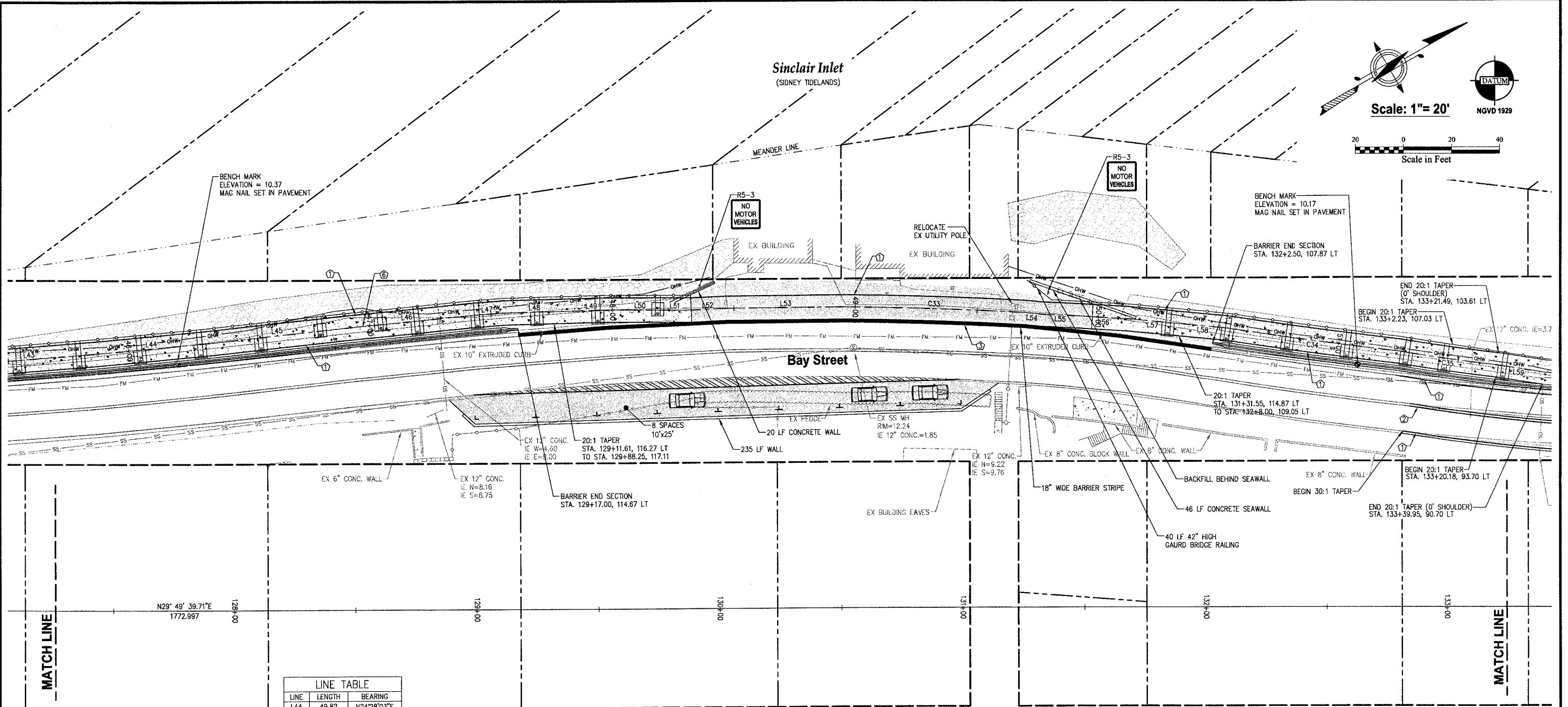
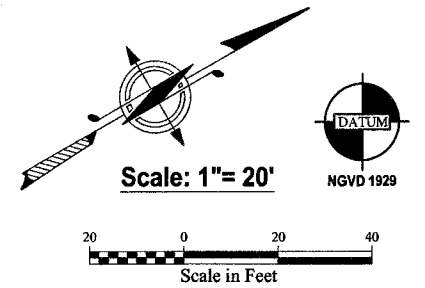
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST SOUTH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407212
SHEET C5.6



LINE TABLE

LINE	LENGTH	BEARING
L44	49.82	N24°28'03"E
L45	54.02	N23°43'47"E
L46	53.86	N24°12'03"E
L47	11.85	N25°30'46"E
L48	27.12	N28°22'44"E
L49	20.08	N28°36'16"E
L50	20.07	N30°15'42"E
L51	9.53	N30°15'42"E
L52	16.46	N27°23'45"E
L53	47.75	N29°31'07"E
L54	6.09	N35°41'12"E
L55	16.56	N32°49'15"E
L56	20.10	N33°18'28"E
L57	20.08	N35°10'43"E
L58	20.15	N35°12'33"E
L59	19.94	N38°27'02"E

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C33	75.14	1754.62	3°27'25"
C34	71.99	1889.57	3°58'45.48"
C35	41.28	800.69	0°09'28"

- SURFACING LEGEND**
- GRASS/ LANDSCAPING
 - HMA 1/2" (PG 58-22)
 - GRAVEL (C.S.T.C.)
 - CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

- PAVEMENT MARKING LEGEND**
- 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
 - 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
 - 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
 - PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
 - 18" WIDE PAINTED WHITE BARRIER LINE
 - 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2
 - 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2

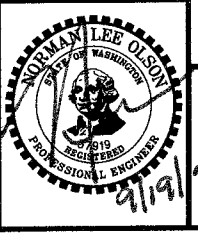
NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Betiel Avenue, P.O. Box 637, Port Orchard, WA 98366

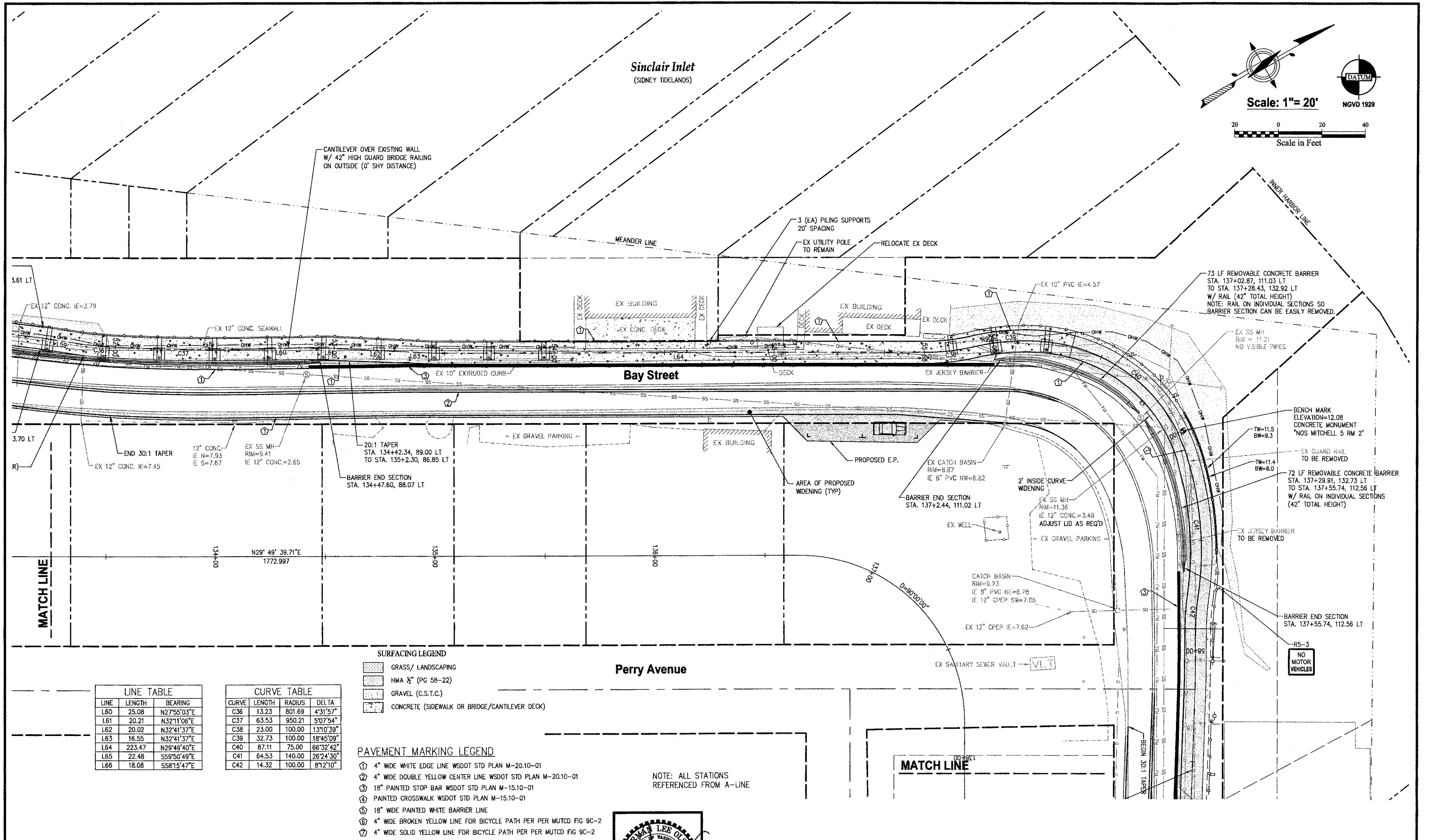
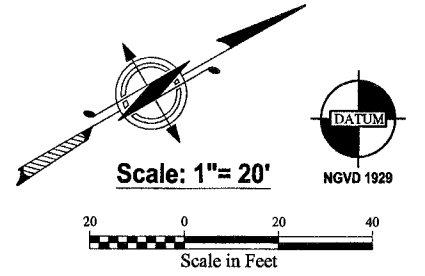


TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST NORTH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER: **097337-407213**
SHEET: C5.7

C:\projects\7337 MOSQUITO FLEET TRAIL\DWG\7337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2012 2:06:31 PM, [username], UNLOCKED.DWG, TDS700



SURFACING LEGEND

	GRASS/ LANDSCAPING
	HMA 1/2" (PG 58-22)
	GRAVEL (C.S.T.C.)
	CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

LINE TABLE

LINE	LENGTH	BEARING
L60	25.08	N27°55'03"E
L61	20.21	N32°11'08"E
L62	20.02	N32°41'37"E
L63	16.55	N32°41'37"E
L64	223.47	N29°49'40"E
L65	22.48	S59°50'49"E
L66	18.08	S58°15'47"E

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C36	13.23	801.69	4°31'57"
C37	63.53	950.21	5°07'54"
C38	23.00	100.00	13°10'39"
C39	32.73	100.00	18°45'09"
C40	87.11	75.00	66°32'42"
C41	64.53	140.00	26°24'30"
C42	14.32	100.00	8°12'10"

- PAVEMENT MARKING LEGEND**
- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
 - ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
 - ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
 - ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
 - ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
 - ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2
 - ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER PER MUTCD FIG 9C-2

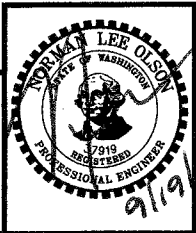
NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY DATE

DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOJ	9/12
APPROVED		
ACCEPTED		



TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST CORNER
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20"
 DATE: Sep. 12, 2011
 DRAWING NUMBER
097337-407214
 SHEET C5.8

C:\projects\7337 MOSQUITO FLEET TRAIL\DWG\7337 TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2011 2:14:00 PM, jthompson, UNLODPA\Doc TD5700

PAVEMENT MARKING LEGEND

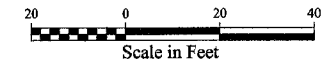
- ① 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
- ② 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
- ③ 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
- ④ PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
- ⑤ 18" WIDE PAINTED WHITE BARRIER LINE
- ⑥ 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
- ⑦ 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

LINE	LENGTH	BEARING
L67	115.56	S58°15'47"E
L68	84.74	S60°10'20"E
L69	46.69	S58°15'19"E
L70	11.26	S60°10'20"E
L71	141.15	S60°10'20"E
L72	79.63	S60°10'20"E
L73	22.90	S60°10'20"E
L74	31.41	S62°35'05"E
L75	14.97	S65°18'35"E

CURVE	LENGTH	RADIUS	DELTA
C43	31.59	668.00	0°42'00"
C44	54.83	204.00	15°24'05"



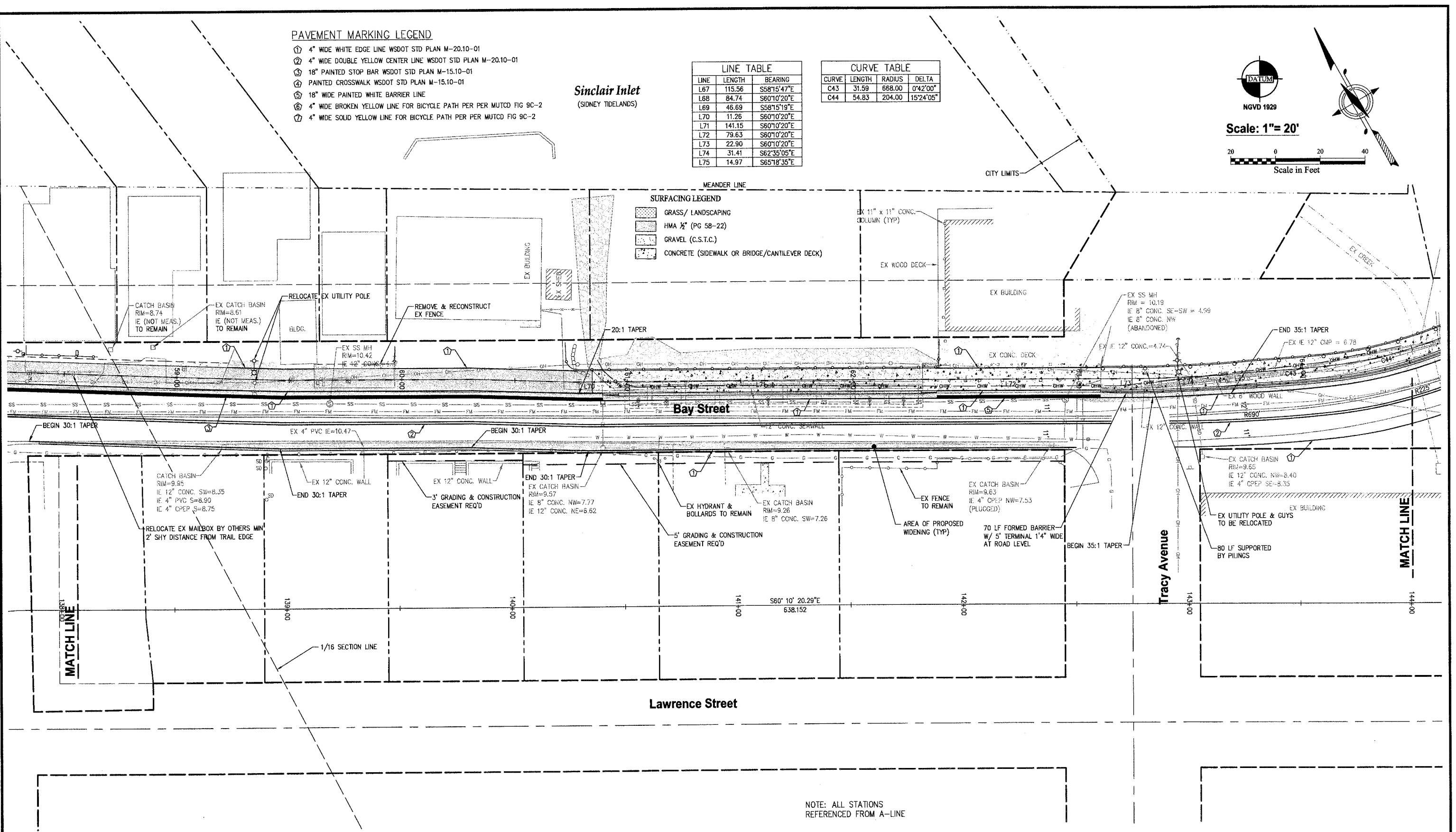
Scale: 1" = 20'



Sinclair Inlet
(SIDNEY TIDELANDS)

SURFACING LEGEND

- GRASS/ LANDSCAPING
- HMA 1/2 (PG 58-22)
- GRAVEL (C.S.T.C.)
- CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)



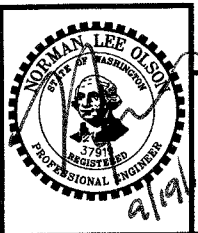
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\7337 MOSQUITO FLEET TRAIL\plan\7337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2011 2:25:11 PM, jbrampton, \WLO22A\Doc 115200

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



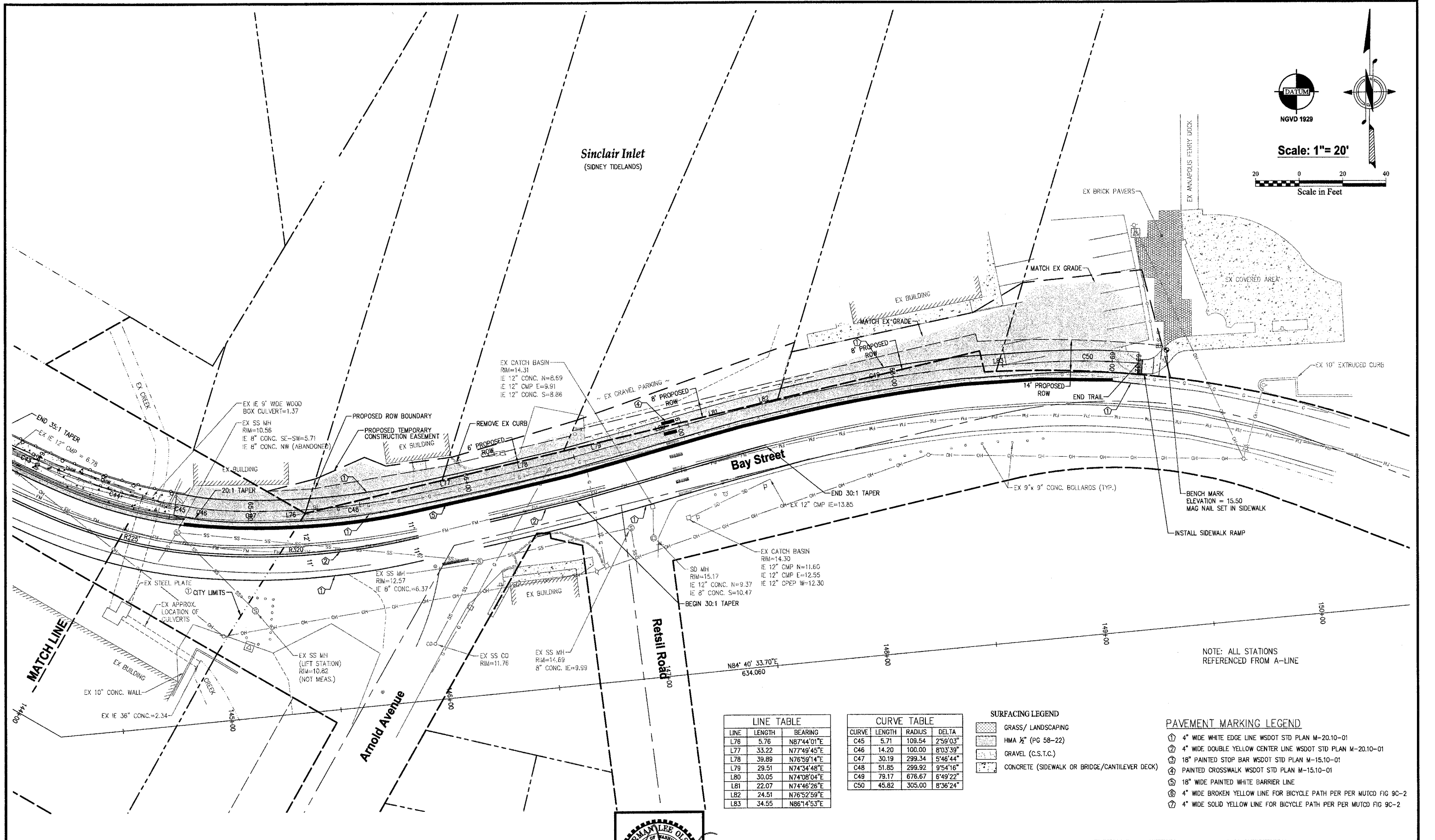
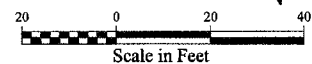
TRAIL ALIGNMENT AND SURFACING PLAN -BAY ST/ TRACY
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER: **097337-407215**
SHEET: C5.9



Scale: 1" = 20'



LINE TABLE		
LINE	LENGTH	BEARING
L76	5.76	N87°44'01"E
L77	33.22	N77°49'45"E
L78	39.89	N76°59'14"E
L79	29.51	N74°34'48"E
L80	30.05	N74°08'04"E
L81	22.07	N74°46'26"E
L82	24.51	N76°52'59"E
L83	34.55	N86°14'53"E

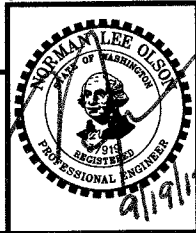
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C45	5.71	109.54	2°59'03"
C46	14.20	100.00	8°03'39"
C47	30.19	299.34	5°46'44"
C48	51.85	299.92	9°54'16"
C49	79.17	676.67	6°49'22"
C50	45.82	305.00	8°36'24"

- SURFACING LEGEND**
- GRASS/ LANDSCAPING
 - HMA 1/2" (PG 58-22)
 - GRAVEL (C.S.T.C.)
 - CONCRETE (SIDEWALK OR BRIDGE/CANTILEVER DECK)

- PAVEMENT MARKING LEGEND**
- 4" WIDE WHITE EDGE LINE WSDOT STD PLAN M-20.10-01
 - 4" WIDE DOUBLE YELLOW CENTER LINE WSDOT STD PLAN M-20.10-01
 - 18" PAINTED STOP BAR WSDOT STD PLAN M-15.10-01
 - PAINTED CROSSWALK WSDOT STD PLAN M-15.10-01
 - 18" WIDE PAINTED WHITE BARRIER LINE
 - 4" WIDE BROKEN YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2
 - 4" WIDE SOLID YELLOW LINE FOR BICYCLE PATH PER MUTCD FIG 9C-2

REVISIONS			
NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL ALIGNMENT AND SURFACING PLAN - BAY ST/ RETSIL
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't Lots 1, 2, 3 and 4, Section 25 and within Gov't Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER
097337-407216
 SHEET C5.10

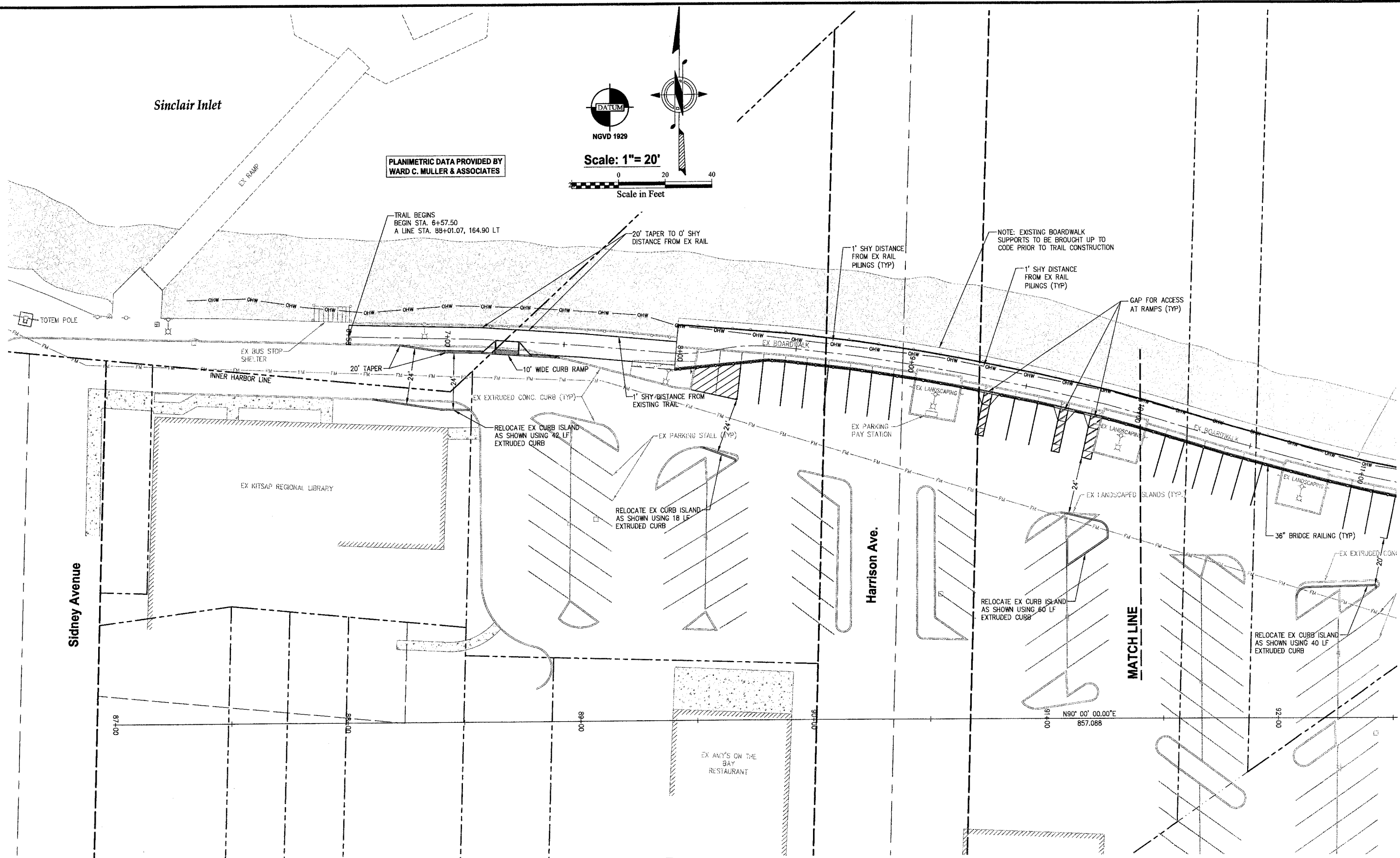
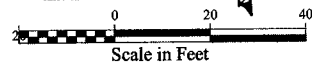
C:\projects\337 MOSQUITO FLEET TRAIL\dwg\337 FINAL TRAIL ALIGNMENT SURFACING PLAN.dwg, 9/11/2011 3:22:38 PM, jfronson, W:\DOPMA\Doc-12670

Sinclair Inlet

PLANIMETRIC DATA PROVIDED BY
WARD C. MULLER & ASSOCIATES



Scale: 1" = 20'

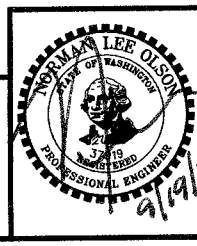


C:\projects\7337 MOSQUITO FLEET TRAIL.dwg(7337 FINAL TRAIL REV) 05.10 TO 05.9 STORM GRADING.dwg 9/12/2011 8:42:37 AM Johnson, Don TD5760.p3

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

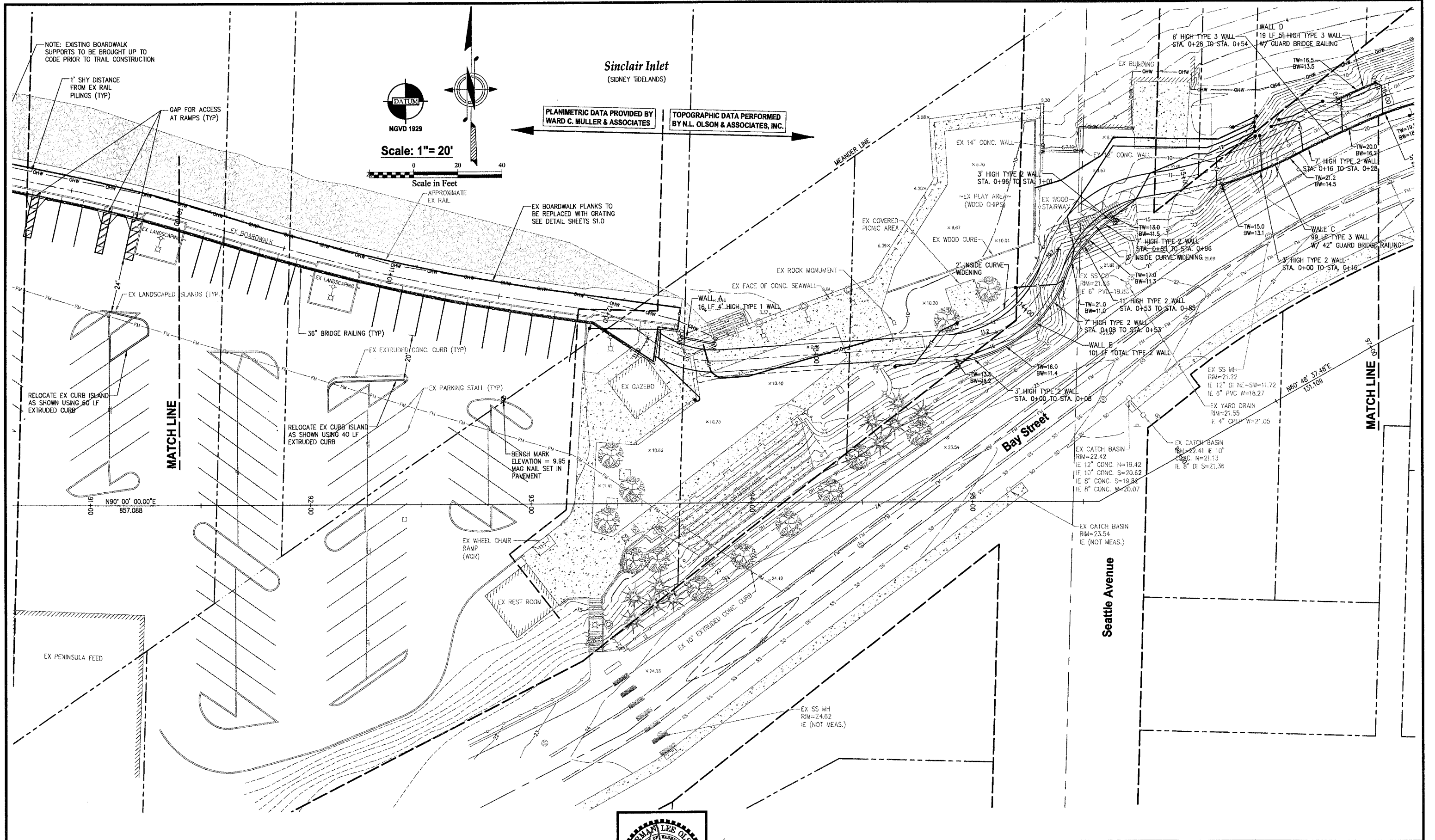
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



STORM AND GRADING PLAN -MARINA BOARDWALK
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

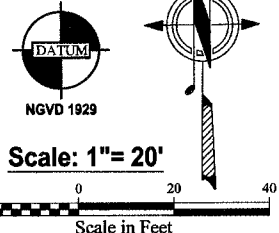
FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407217
SHEET C6.0



NOTE: EXISTING BOARDWALK SUPPORTS TO BE BROUGHT UP TO CODE PRIOR TO TRAIL CONSTRUCTION

1" SHY DISTANCE FROM EX RAIL PILINGS (TYP)
GAP FOR ACCESS AT RAMPS (TYP)



PLANIMETRIC DATA PROVIDED BY WARD C. MULLER & ASSOCIATES
TOPOGRAPHIC DATA PERFORMED BY N.L. OLSON & ASSOCIATES, INC.

EX BOARDWALK PLANKS TO BE REPLACED WITH GRATING SEE DETAIL SHEETS S1.0

RELOCATE EX CURB ISLAND AS SHOWN USING 60 LF EXTRUDED CURB

MATCH LINE

RELOCATE EX CURB ISLAND AS SHOWN USING 40 LF EXTRUDED CURB

BENCH MARK ELEVATION = 9.95 MAG NAIL SET IN PAVEMENT

EX WHEEL CHAIR RAMP (WCR)

EX REST ROOM

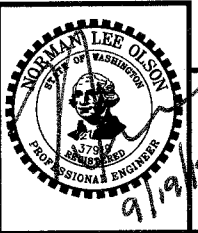
EX PENINSULA FEED

MATCH LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

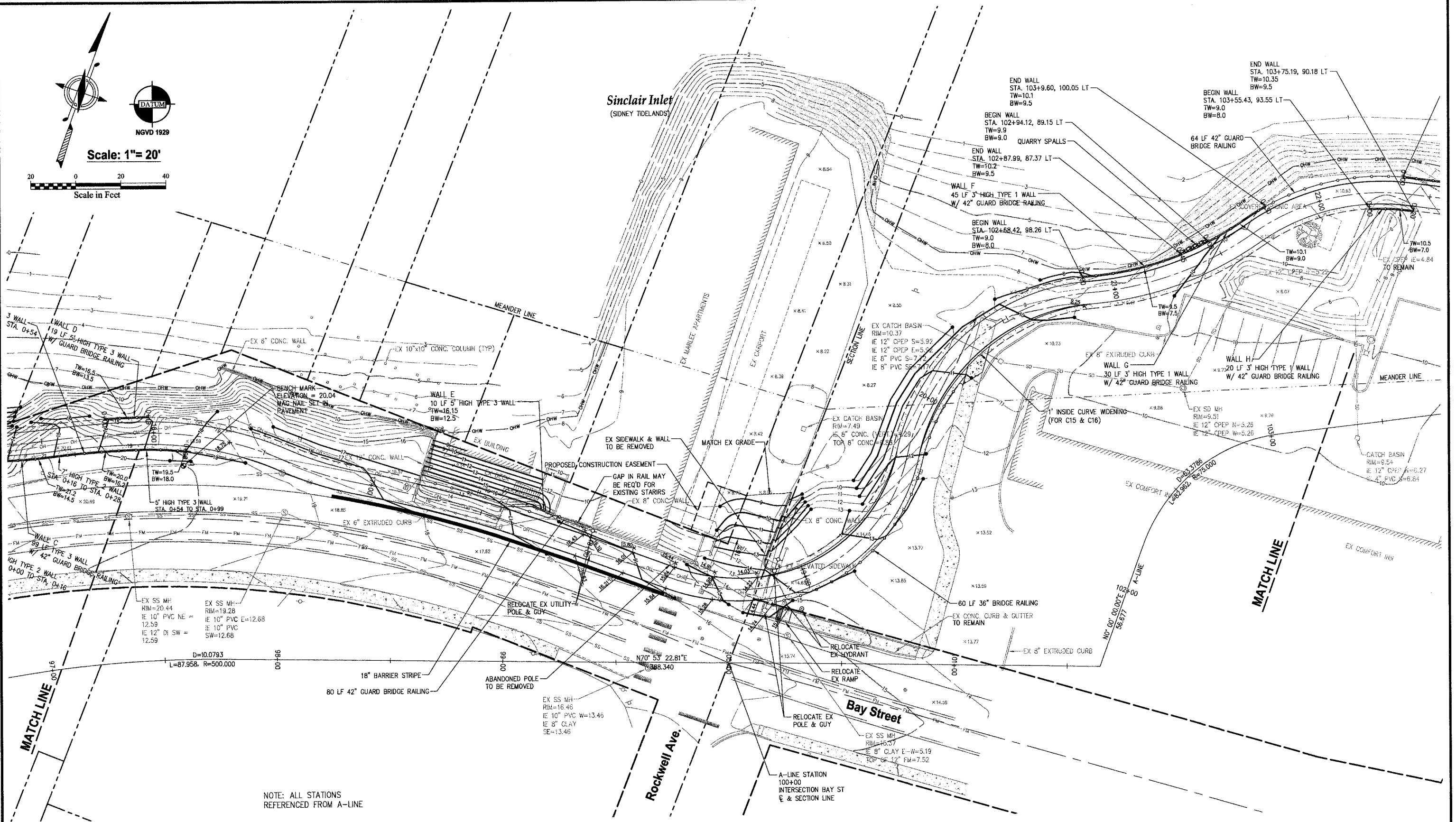
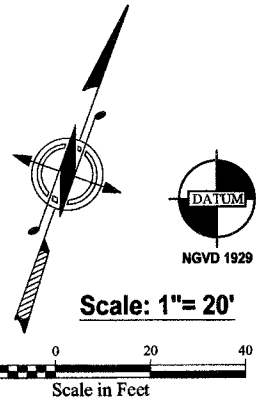


STORM AND GRADING PLAN - WATERFRONT PARK
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER: **097337-407218**
SHEET: C6.1

C:\pds\0337 MOSQUITO FLEET TRAIL\0337 FINAL TRAIL REV7337 CS.0 TO CS.9 STORM GRADING.dwg, 9/12/2012 10:30:27 AM, jthompson, Cse T05700.pcl



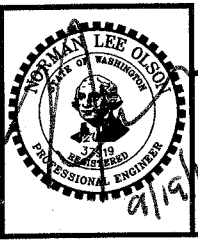
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\7337\MOSSQUITO FLEET TRAIL\DWG\7337_FINAL_TITL.DWG(1/13/11 11:22:09 AM, Thompson, W:\DCOR\AUG 11\7337) 9/12/2011 11:22:09 AM, Thompson, W:\DCOR\AUG 11\7337

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

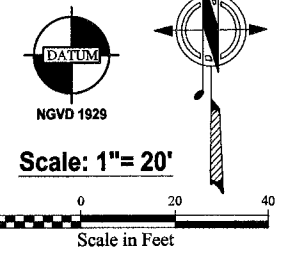


STORM AND GRADING PLAN -ROCKWELL
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

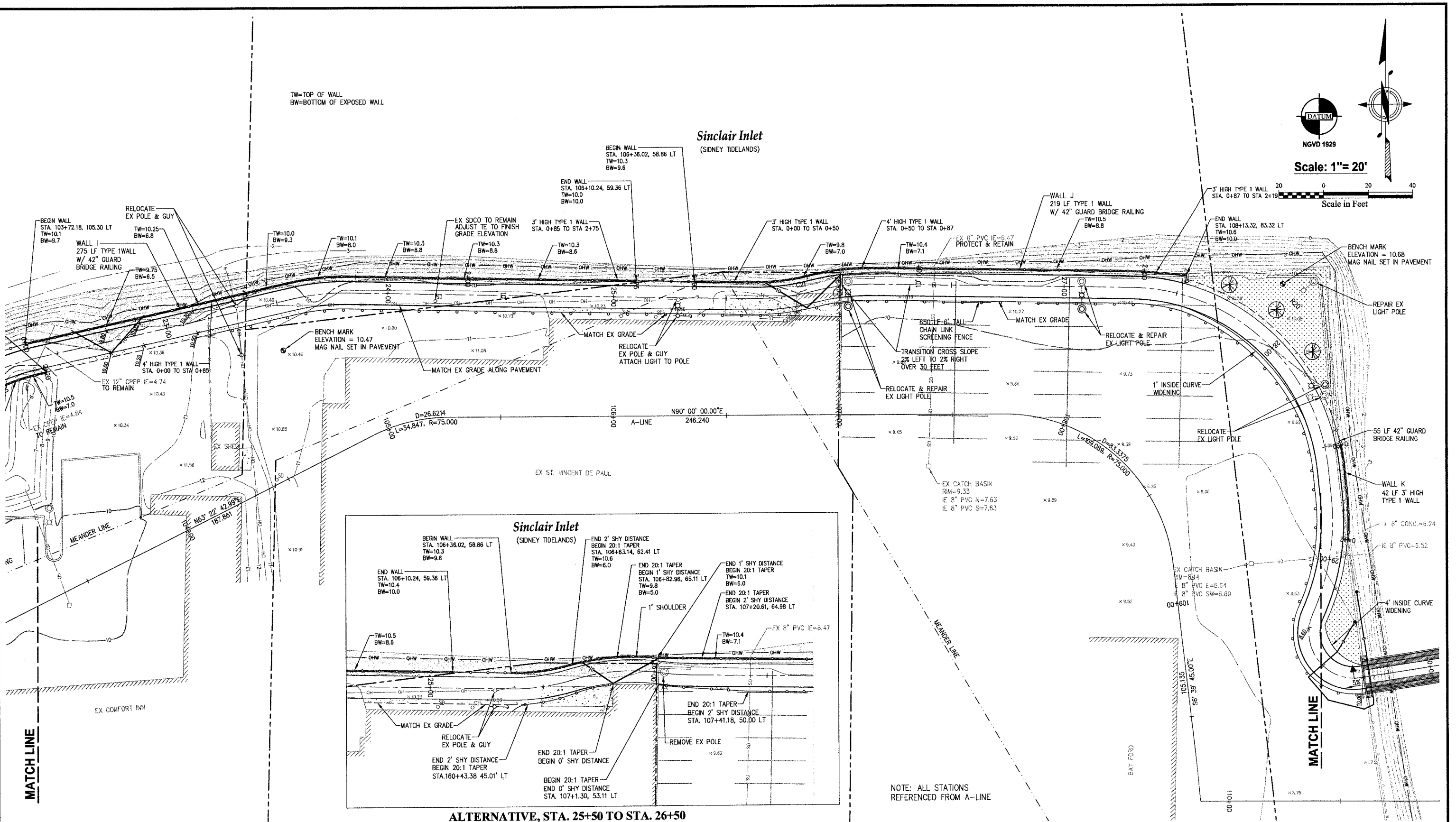
FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20"
 DATE: Sep. 12, 2011
 DRAWING NUMBER: **097337-407219**
 SHEET: C6.2

TW=TOP OF WALL
 BW=BOTTOM OF EXPOSED WALL



Sinclair Inlet
 (SIDNEY TIDELANDS)



ALTERNATIVE, STA. 25+50 TO STA. 26+50

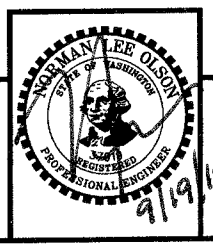
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\2337 MOSQUITO FLEET TRAIL\DWG\2337 FINAL TRAIL REV\2337 06.0 TO 06.9 STORM GRADING.dwg, 9/12/2012 11:26:47 AM, jthompson, \MOC\AA\Doc\105700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOH	9/12
APPROVED		
ACCEPTED		

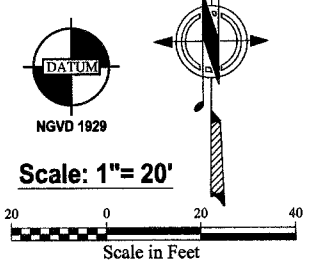
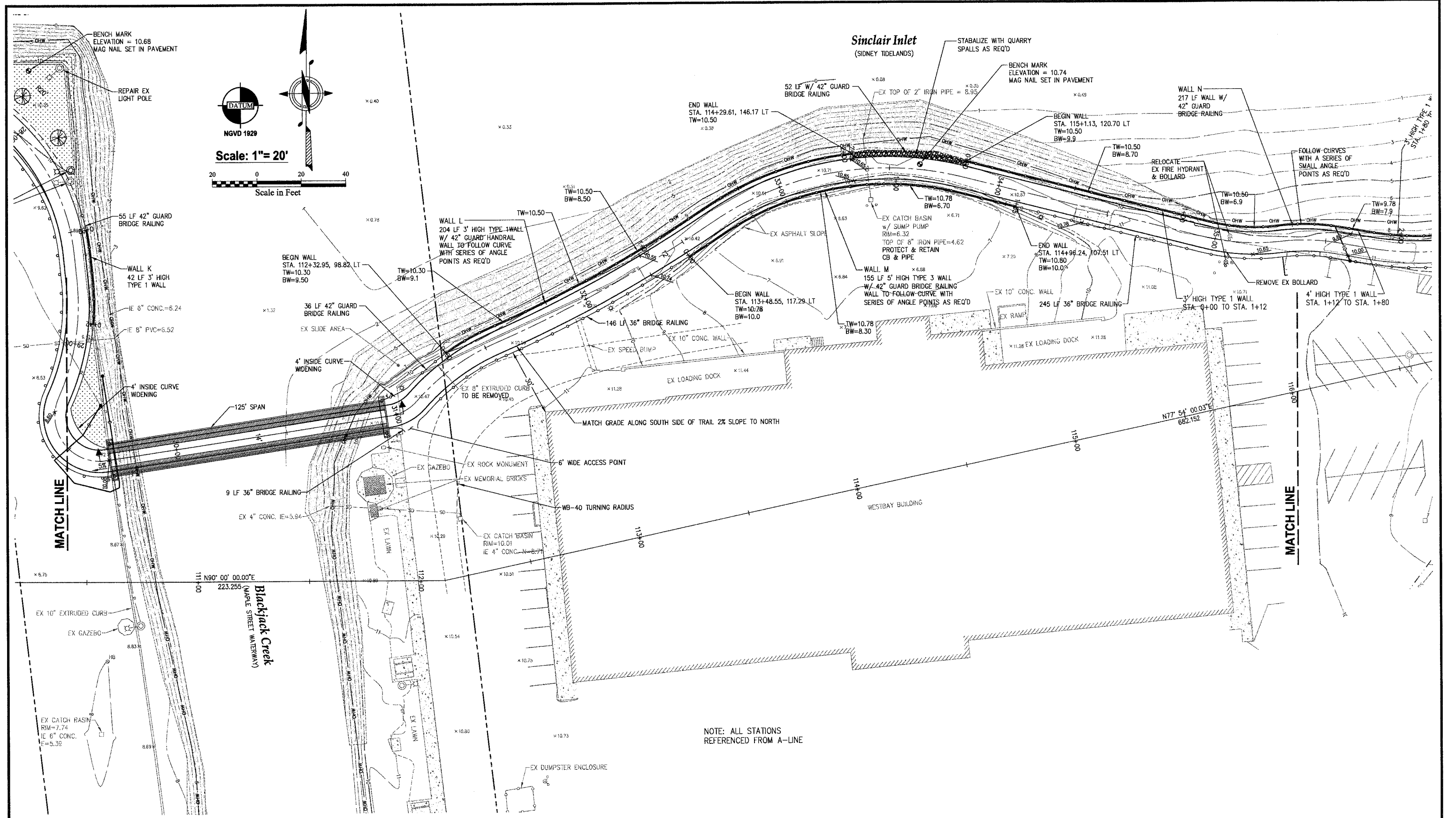
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



STORM AND GRADING PLAN -BAY FORD
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER: **097337-407220**
 SHEET: C6.3



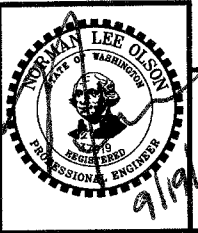
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\7337 MOSQUITO FLEET TRAIL\DWG\7337 FINAL TRAIL GRADING.dwg, 9/12/2012 11:30:41 AM, jrbompsen, \NLOCPWA\Doc\7337

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

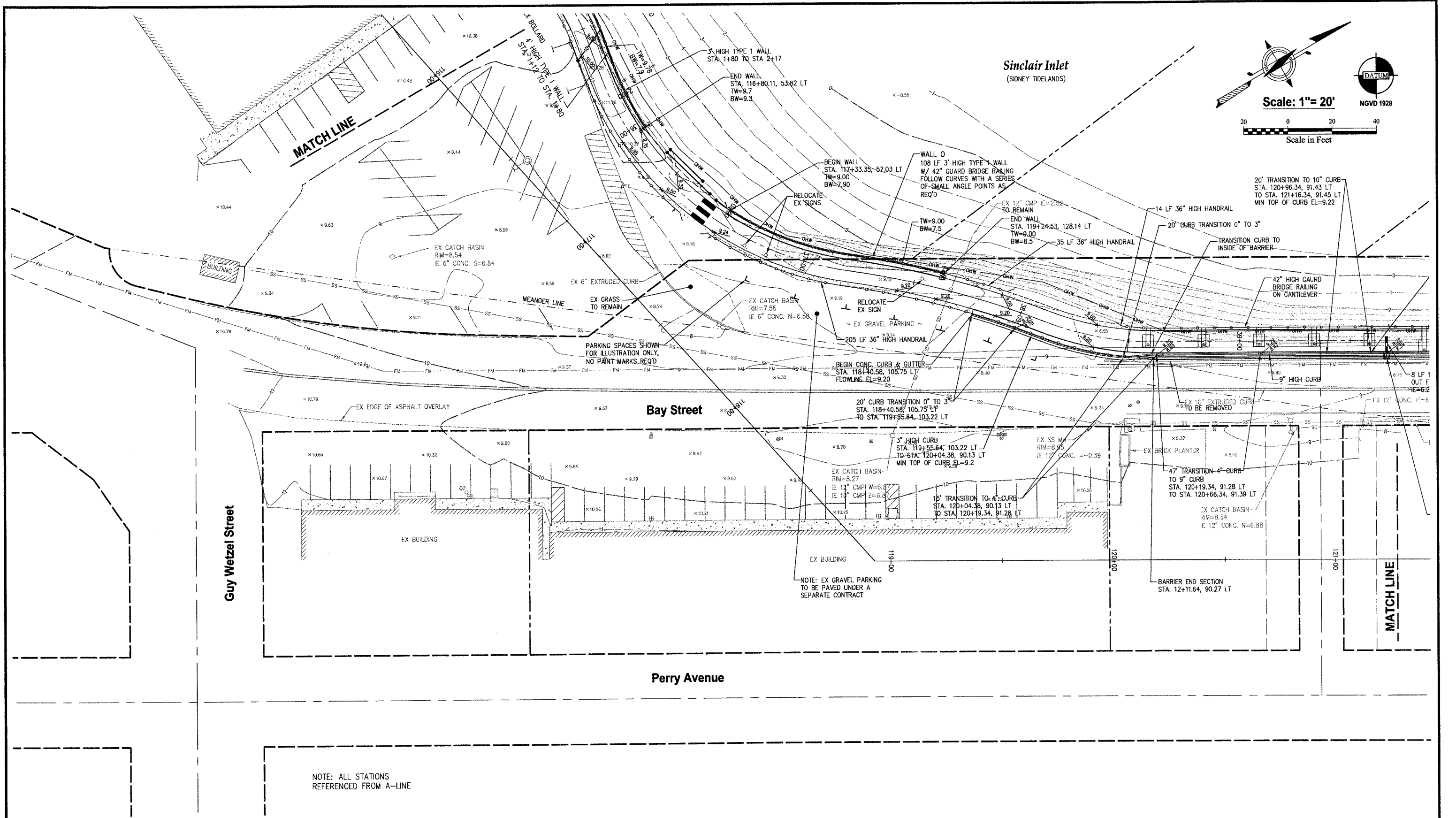
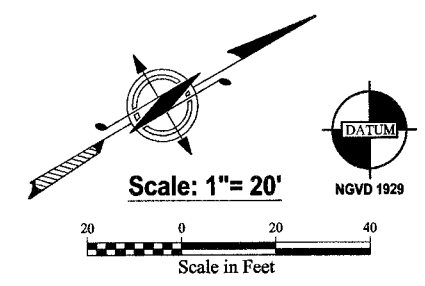
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



STORM & GRADING PLAN -BLACKJACK/ WEST BAY
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER: **097337-407221**
 SHEET: C6.4



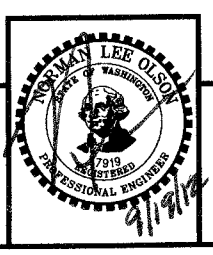
NOTE: ALL STATIONS
REFERENCED FROM A-LINE

C:\projects\7337 MOSQUITO FLEET TRAIL\Drawings\FINAL TRAIL REV\7337 06.0 TO 06.9 STORM GRADING.dwg, 9/12/2012 11:36:08 AM, Thompson, W:\LOPAA\Ola 10570

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

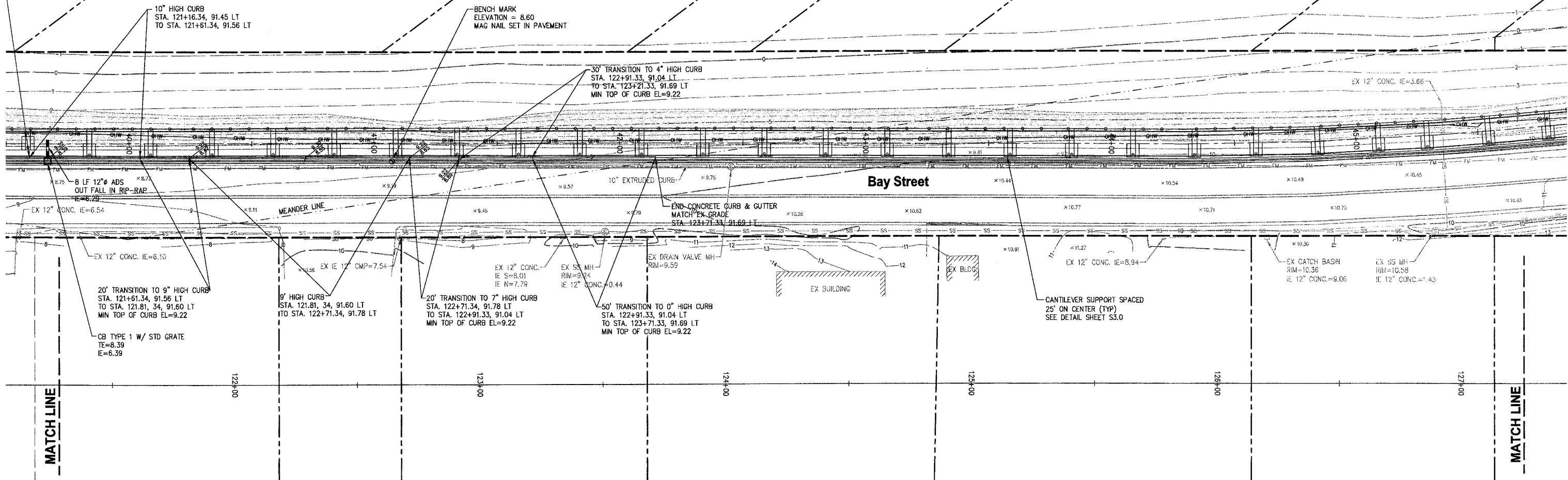
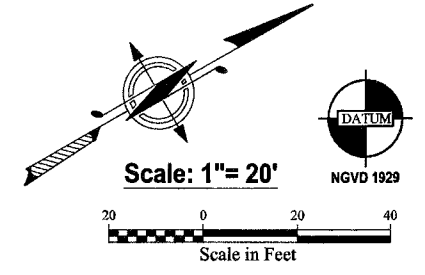


STORM AND GRADING PLAN WEST BAY/ BEACH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407222
SHEET C6.5

Sinclair Inlet
(SIDNEY TIDELANDS)



Perry Avenue

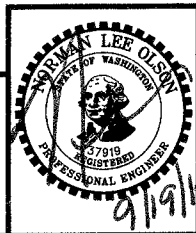
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\337 MOSQUITO FLEET TRAIL\DWG\337 FINAL TRAIL REV\337 CS.0 TO CS.8 STORM GRADING.dwg, 9/12/2012 11:42:12 AM, jthompson, W:\DCPAA\Case TDS700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOII	9/12
APPROVED	
ACCEPTED	

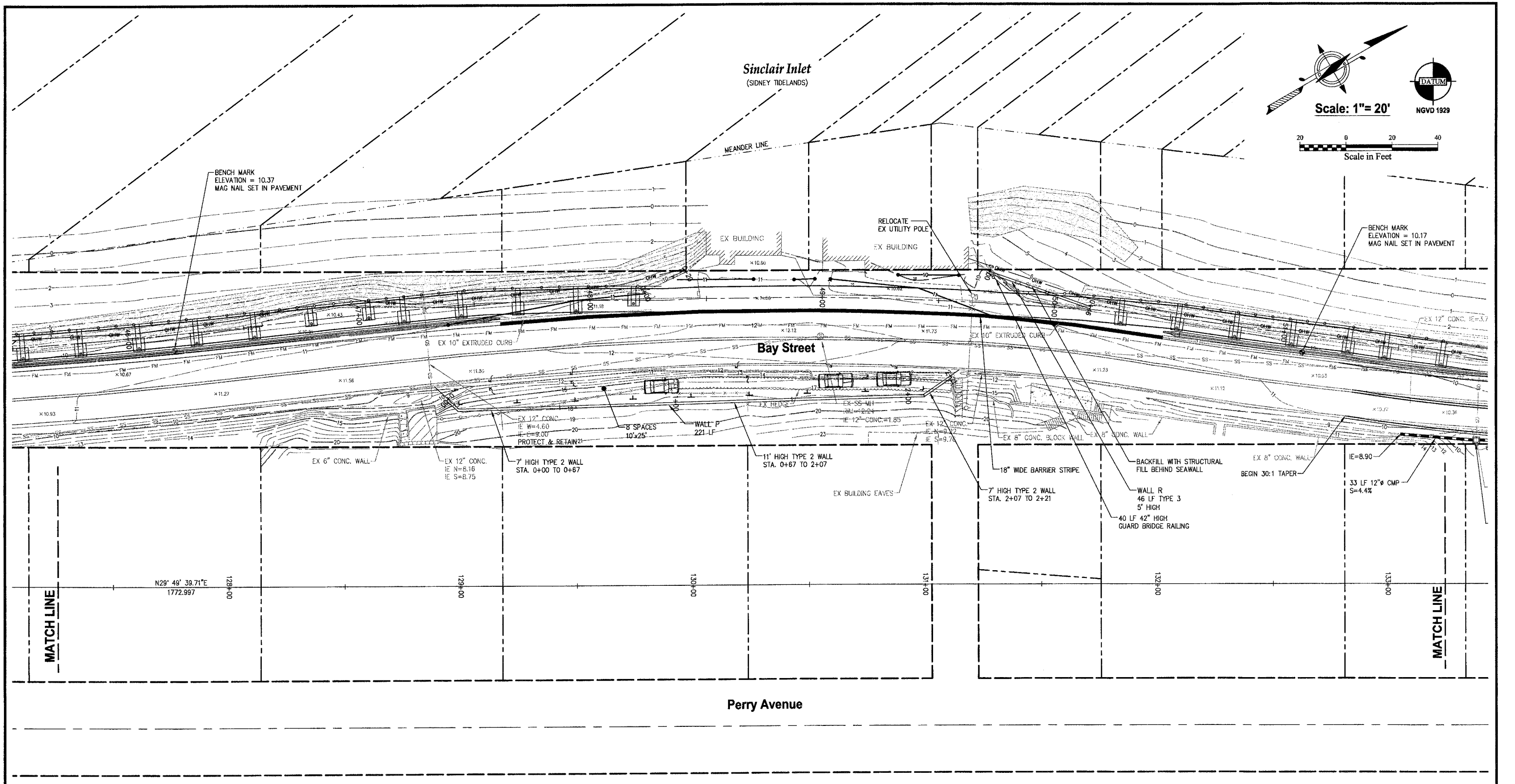
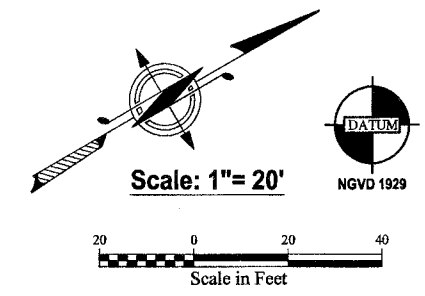
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



STORM AND GRADING PLAN -BAY ST SOUTH
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407223
SHEET C6.6

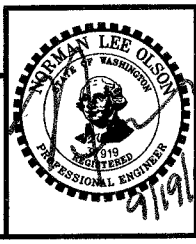


NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

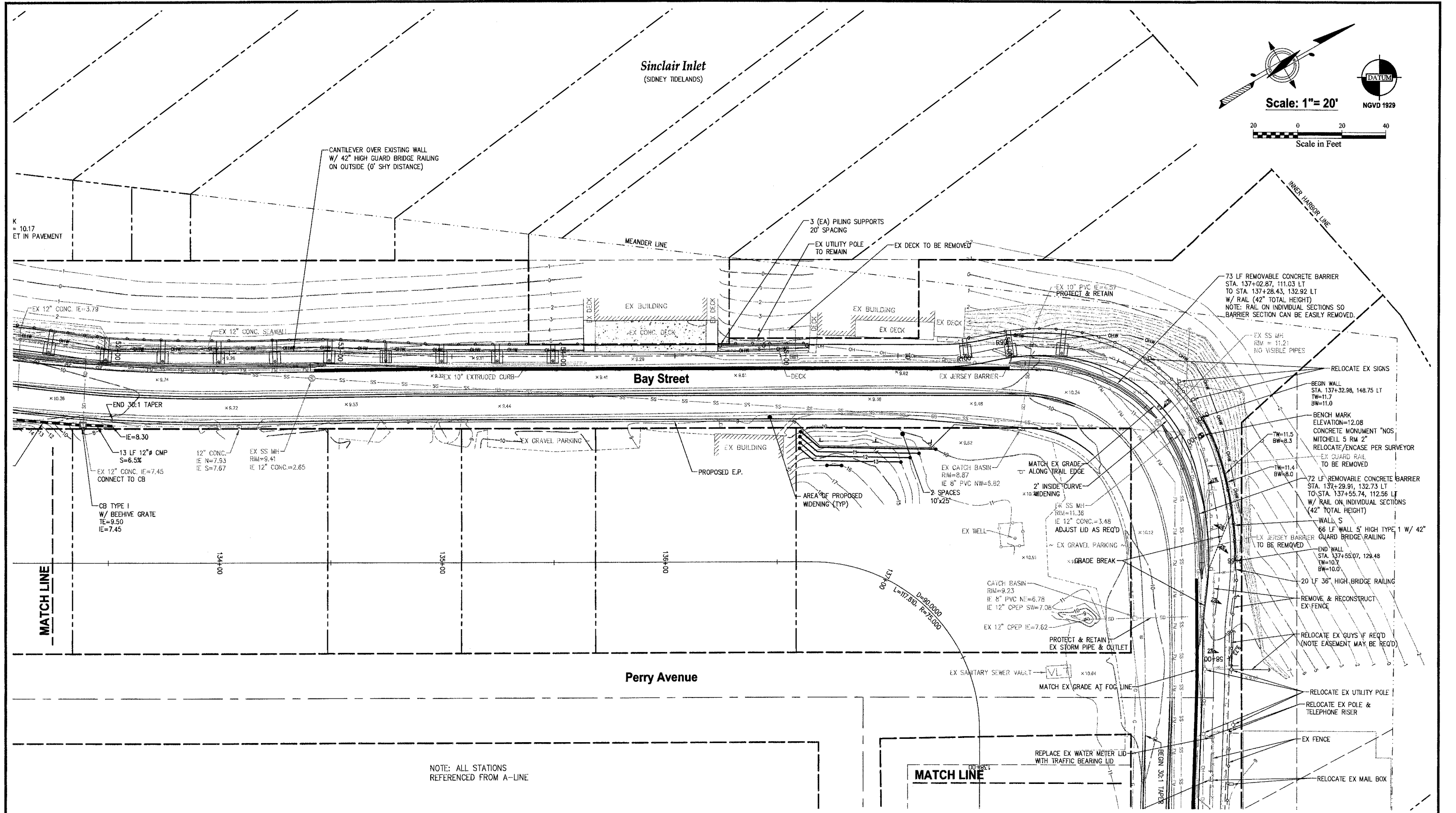
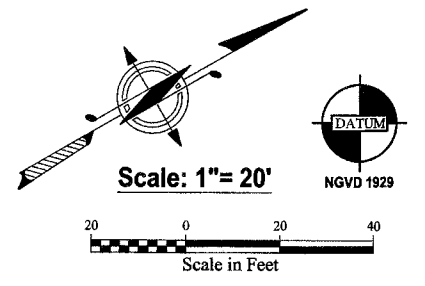


STORM AND GRADING PLAN -BAY ST NORTH
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER
097337-407224
 SHEET C6.7

C:\projects\237 MOSQUITO FLEET TRAIL.dwg 05.0 TO 05.9 STORM GRADING.dwg 9/12/2011 11:53:46 AM jbrampton, \ALDOOP\Doc 105700

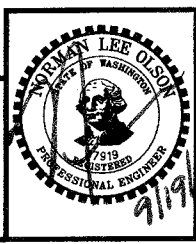


NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



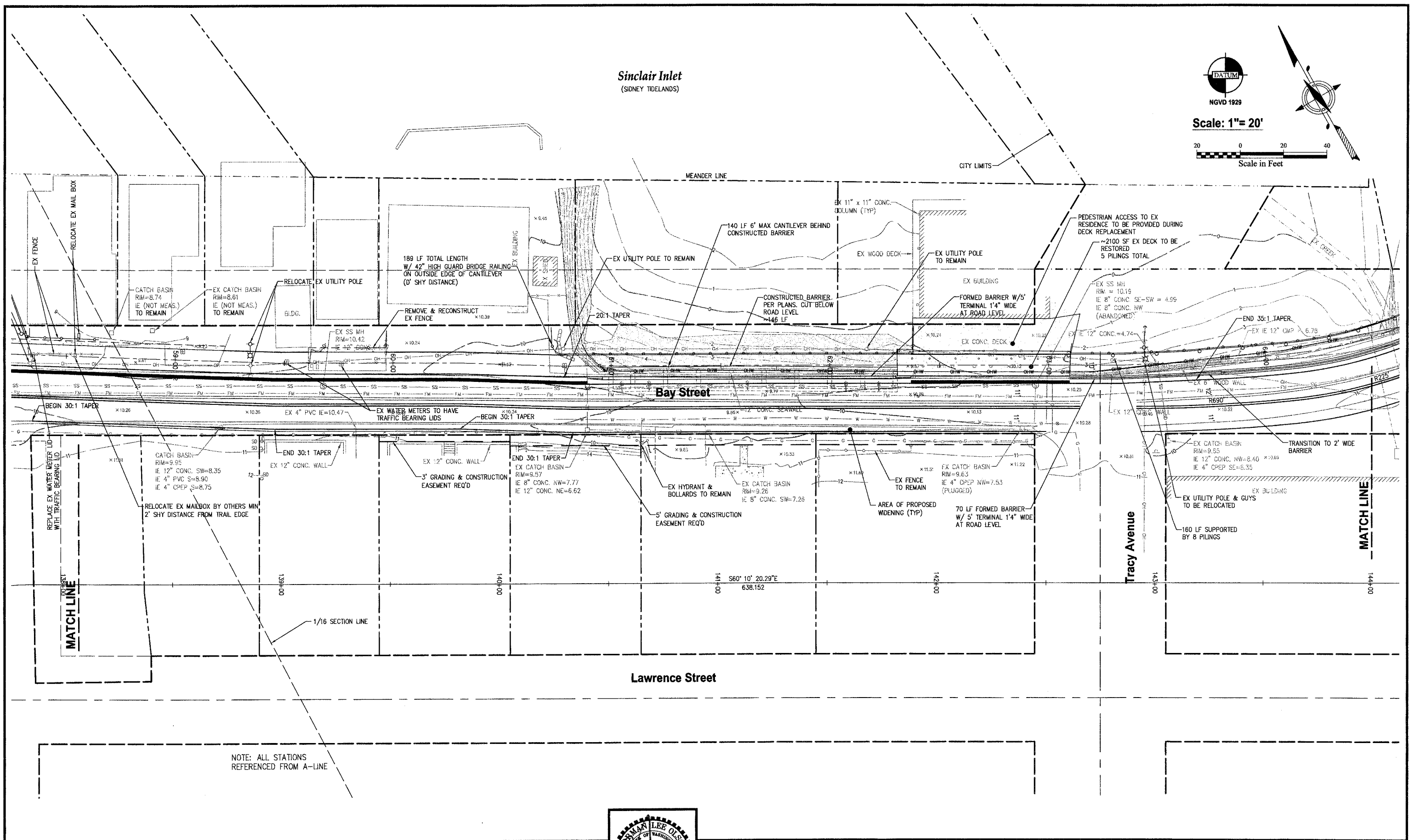
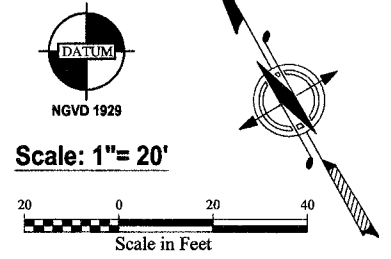
STORM AND GRADING PLAN BAY ST CORNER
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 20'
 DATE: Sep. 12, 2011
 DRAWING NUMBER: **097337-407225**
 SHEET: C6.8

C:\projects\7337 MOSQUITO FLEET TRAIL\DWG\7337 FINAL TRAIL REV7337 C6.0 TO C6.9 STORM GRADING.dwg, 9/12/2012 11:46:26 AM, jthompson, \NLOPPA\Oce TDS100

Sinclair Inlet
(SIDNEY TIDELANDS)

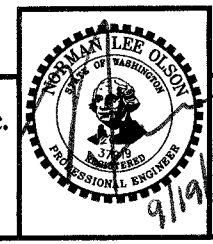


NOTE: ALL STATIONS REFERENCED FROM A-LINE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOII	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



STORM AND GRADING PLAN -BAY ST/ TRACY
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

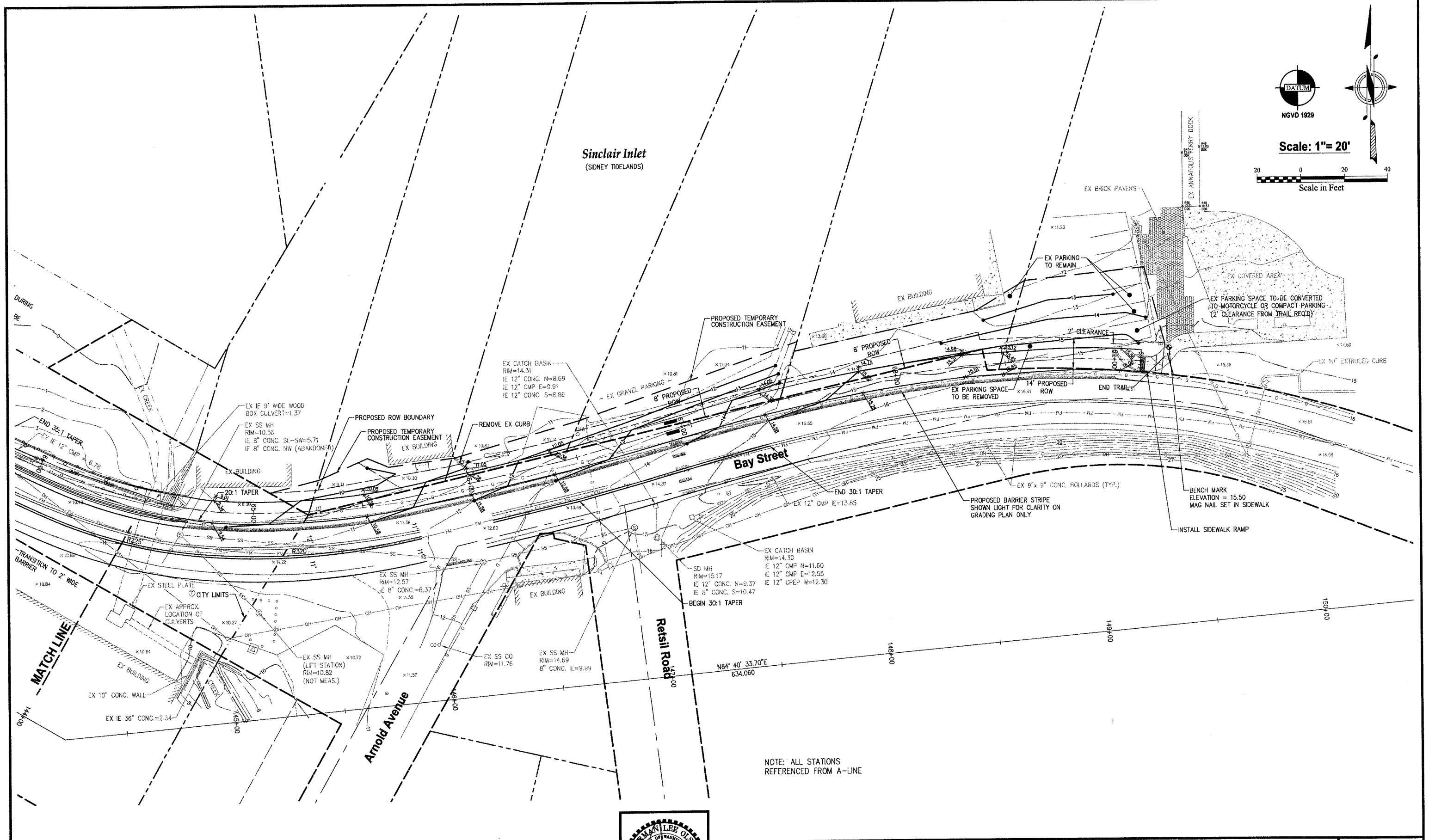
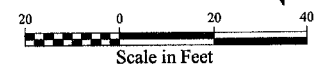
FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2011
DRAWING NUMBER
097337-407226
SHEET C6.9

C:\projects\337 MOSQUITO FLEET TRAIL\dwg\337 FINAL TRAIL REV\337 C6.0 TO C6.9 STORM GRADING.dwg, 9/12/2012 11:48:14 AM, jbrampton, \ALDOP\Aldo 105700



Scale: 1" = 20'



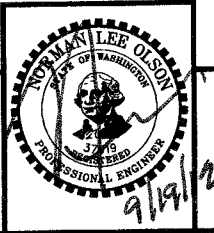
NOTE: ALL STATIONS REFERENCED FROM A-LINE

C:\projects\7337 MOSQUITO FLEET TRAIL REV\7337 CS.G TO CS STORM GRADING.dwg, 9/13/2012 2:01:43 PM, jthompson, W:\CADD\DWG\733700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

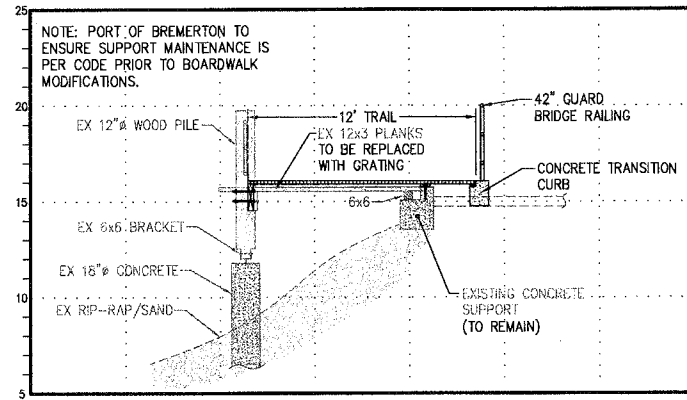
	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

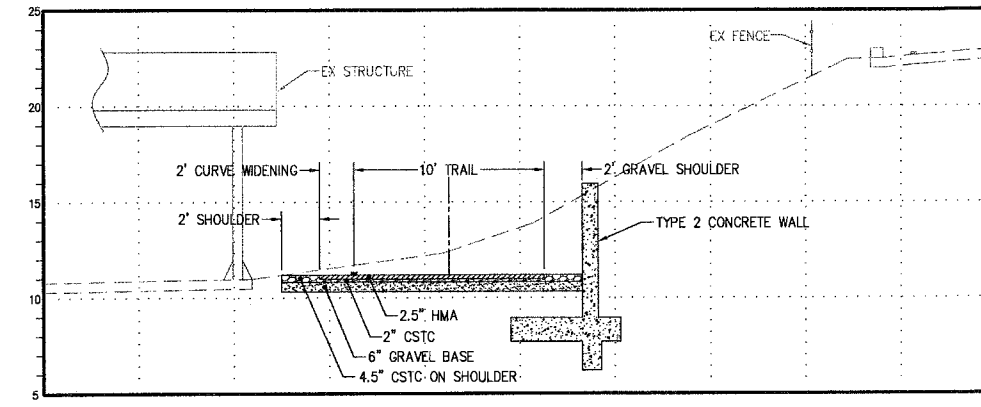


STORM AND GRADING PLAN -BAY ST/ RETSIL
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

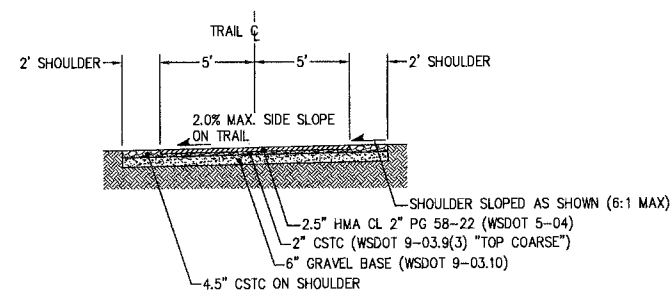
FOR:	City of Port Orchard 216 Prospect Street Port Orchard, WA 98366	SCALE: 1" = 20'
		DATE: Sep. 12, 2012
		DRAWING NUMBER 097337-407227
		SHEET C6.10



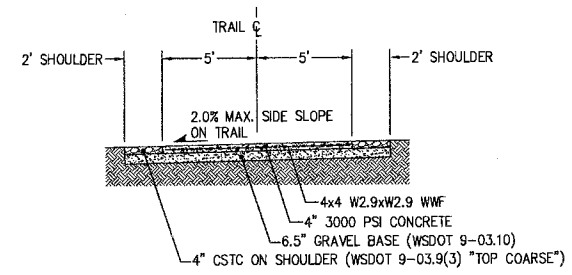
TRAIL SECTION STA. 11+25
SCALE 1"=5'



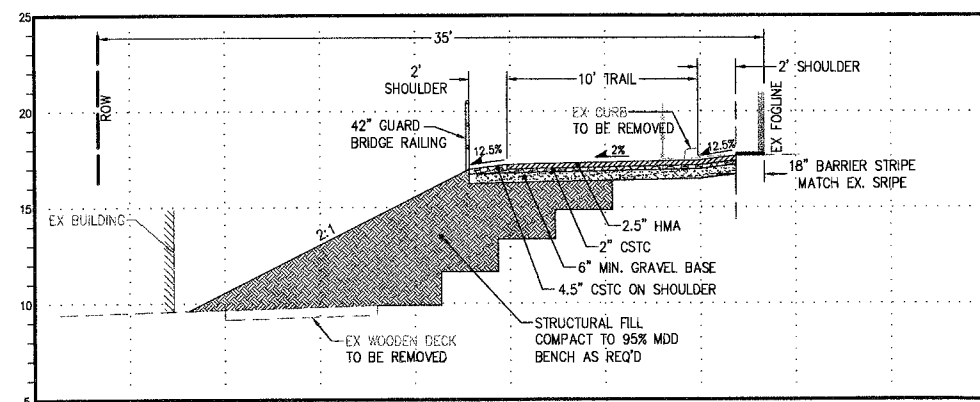
TRAIL SECTION STA. 13+86
SCALE 1"=5'



TYPICAL ASPHALT TRAIL
SCALE 1"=5'



OPTION 1
TYPICAL CONCRETE TRAIL
SCALE 1"=5'

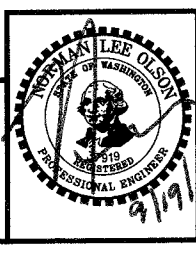


TRAIL SECTION STA. 17+40
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

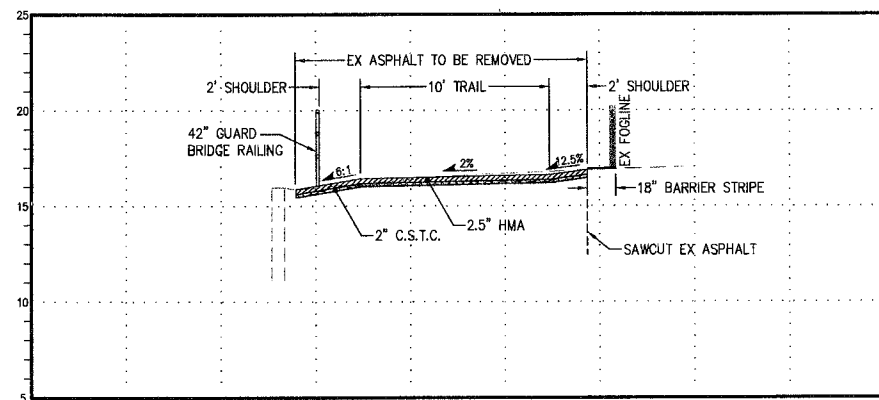
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



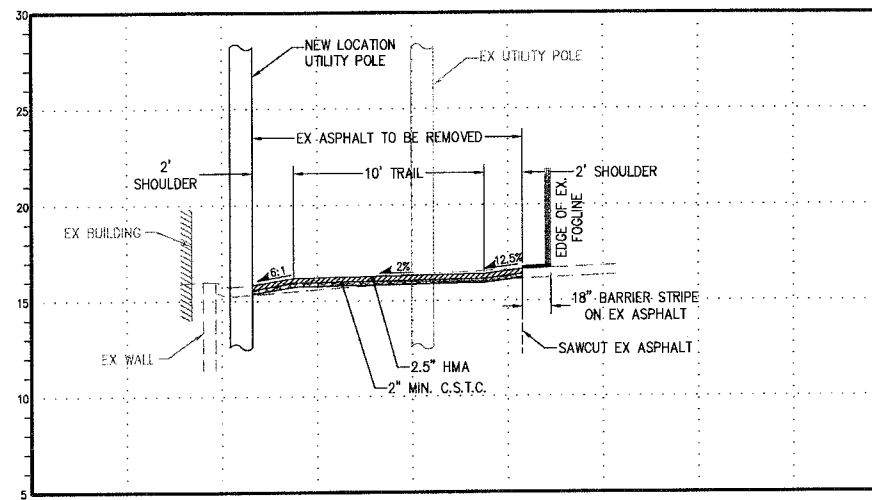
TRAIL SECTIONS STA 11+25 TO STA 17+40
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situatue Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

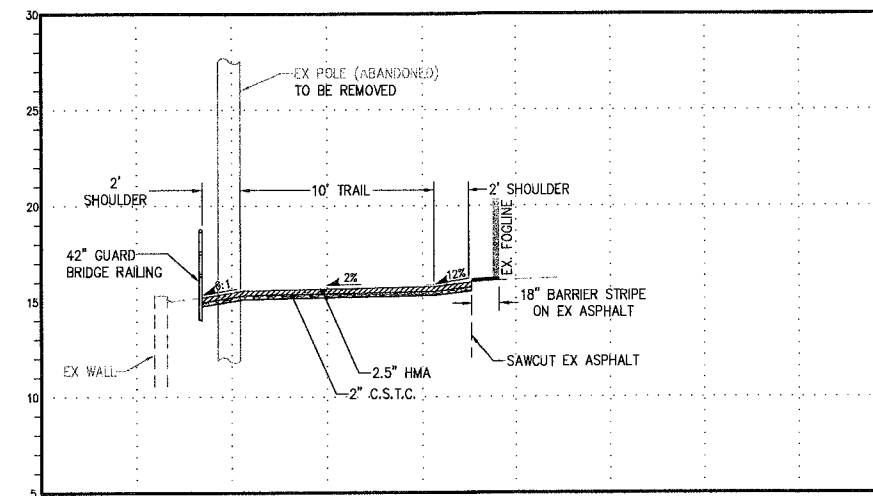
SCALE: 1"= 5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407228
SHEET C7.0



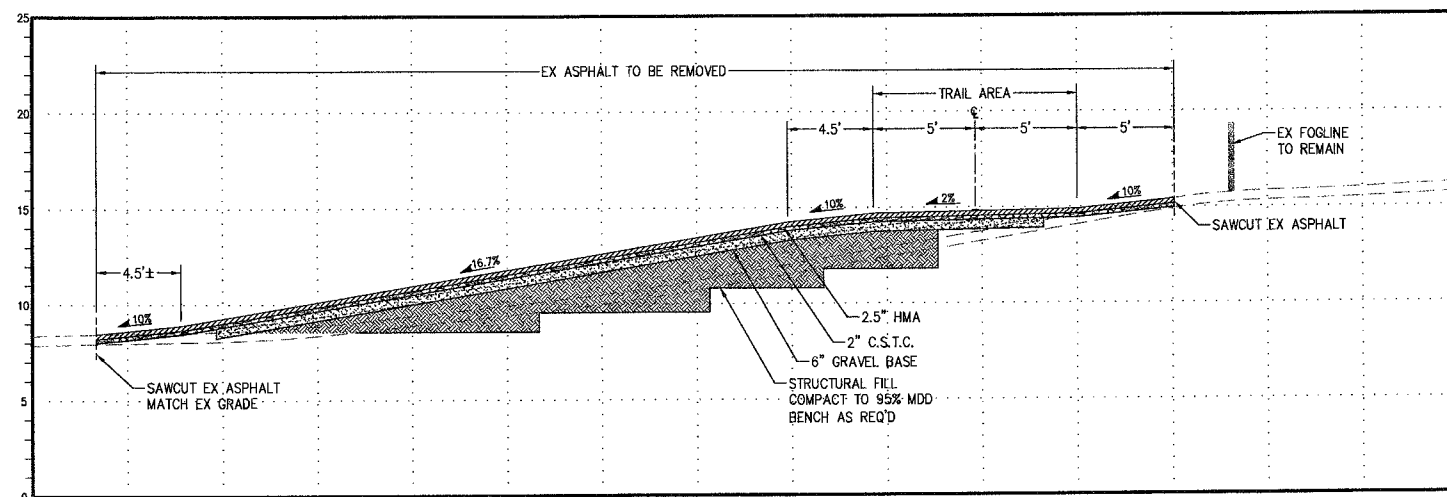
TRAIL SECTION STA. 17+90
SCALE 1"=5'



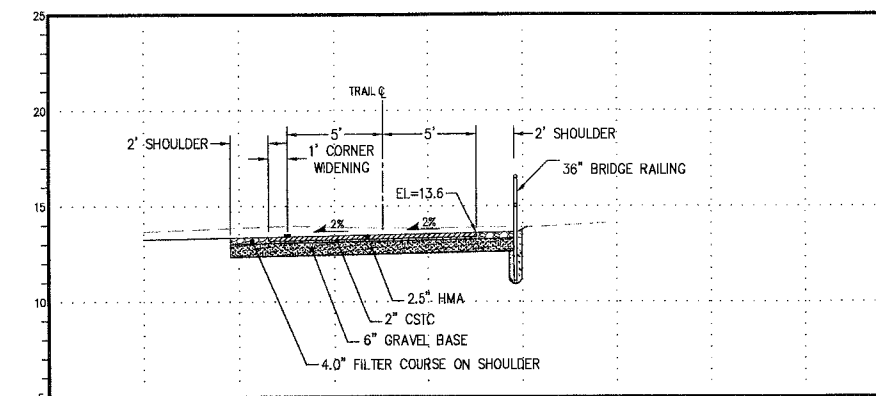
TRAIL SECTION STA. 18+05
SCALE 1"=5'



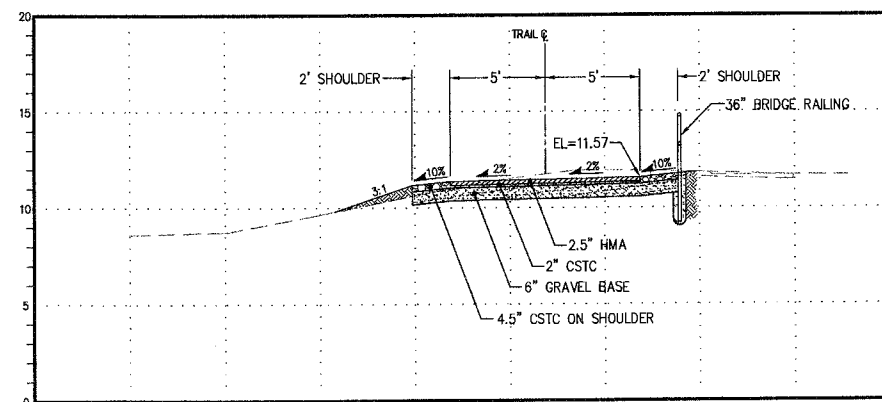
TRAIL SECTION STA. 18+40
SCALE 1"=5'



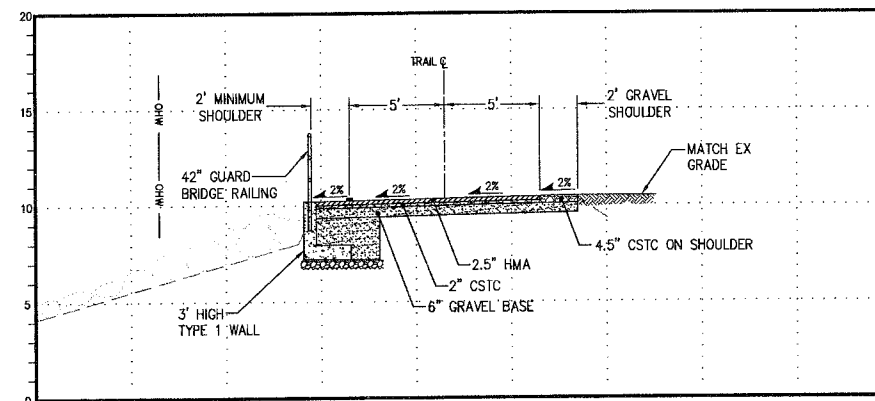
TRAIL SECTION STA. 18+72 (ROCKWELL APTS ACCESS)
SCALE 1"=5'



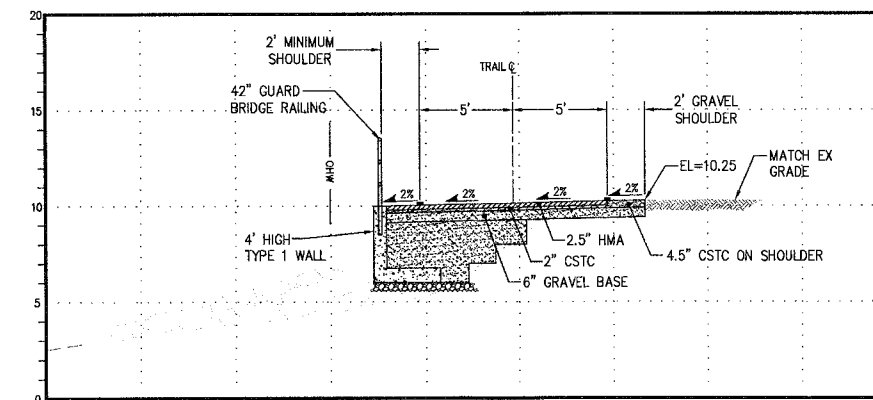
TRAIL SECTION STA. 19+10
SCALE 1"=5'



TRAIL SECTION STA. 20+00
SCALE 1"=5'



TRAIL SECTION STA. 21+50
SCALE 1"=5'

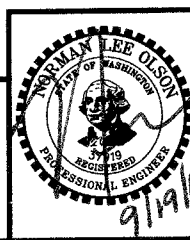


TRAIL SECTION STA. 22+75
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOH	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



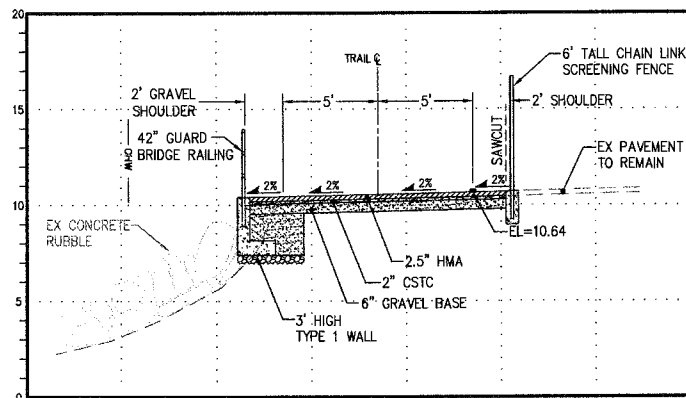
TRAIL SECTIONS STA 17+90 TO STA 22+75
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

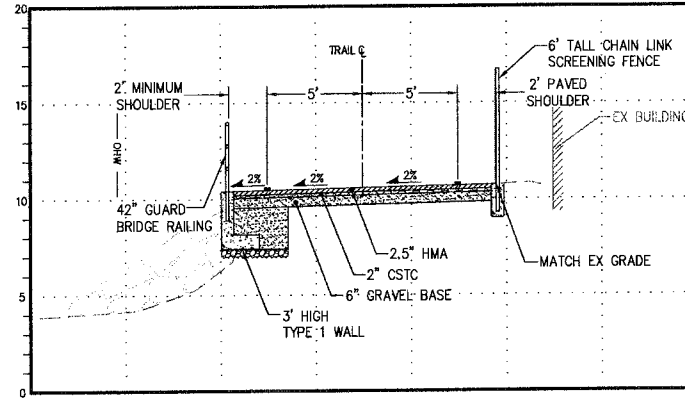
FOR:

City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

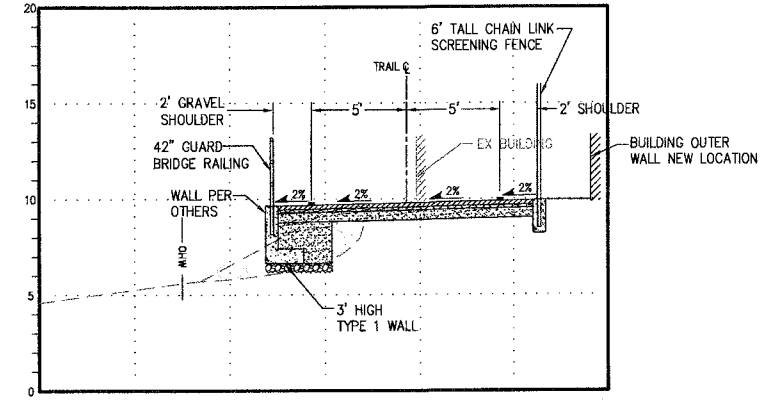
SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407229
SHEET C7.1



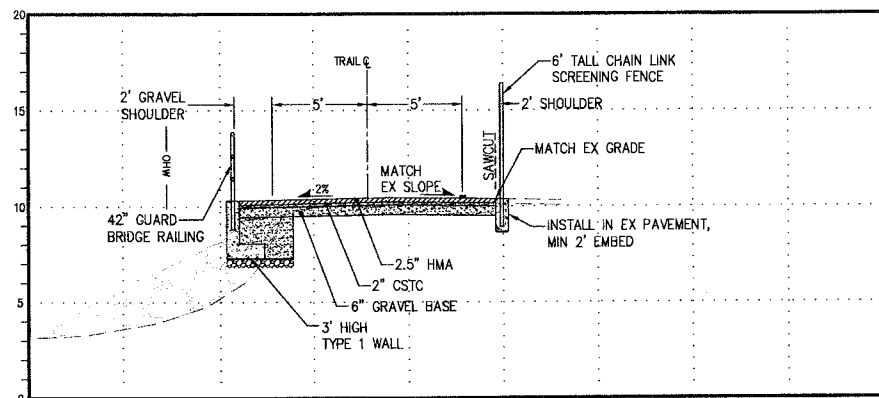
TRAIL SECTION STA. 24+35
SCALE 1"=5'



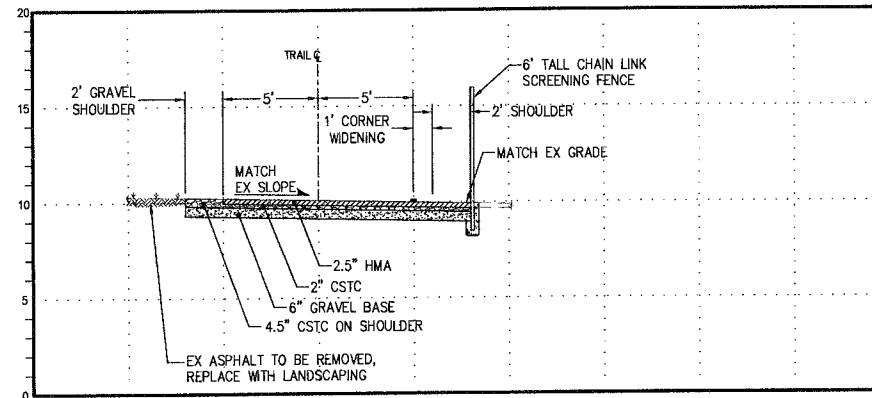
TRAIL SECTION STA. 24+76
SCALE 1"=5'



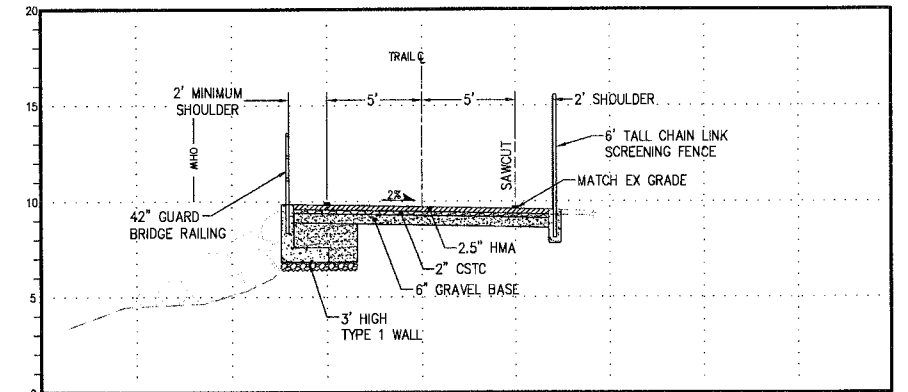
TRAIL SECTION STA. 25+85
SCALE 1"=5'



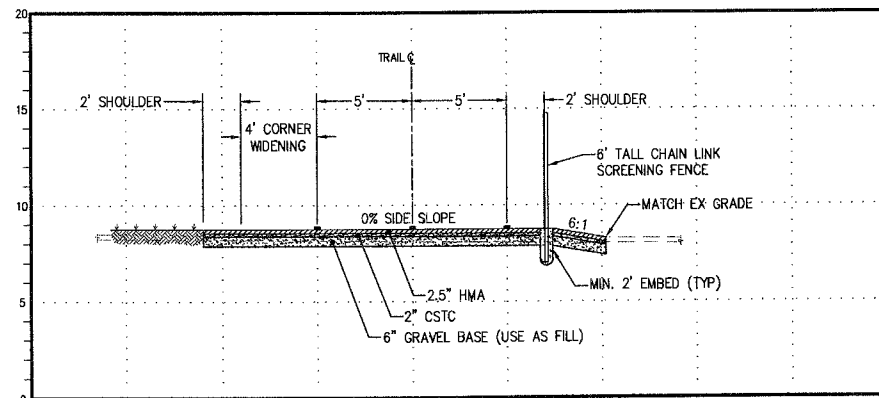
TRAIL SECTION STA. 26+78
SCALE 1"=5'



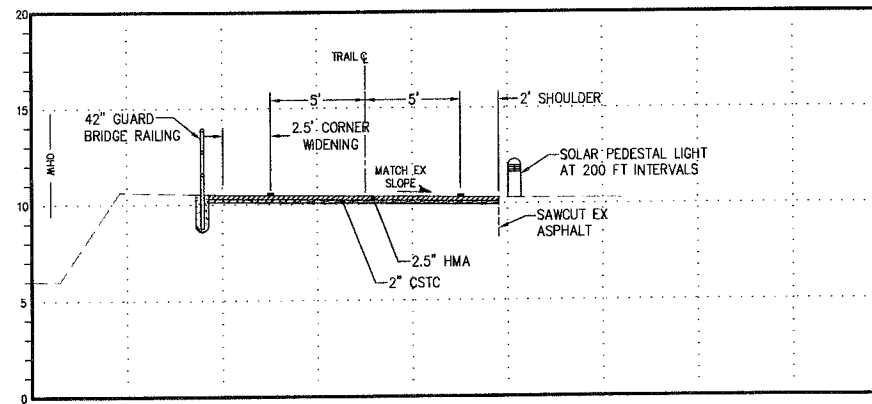
TRAIL SECTION STA. 27+85
SCALE 1"=5'



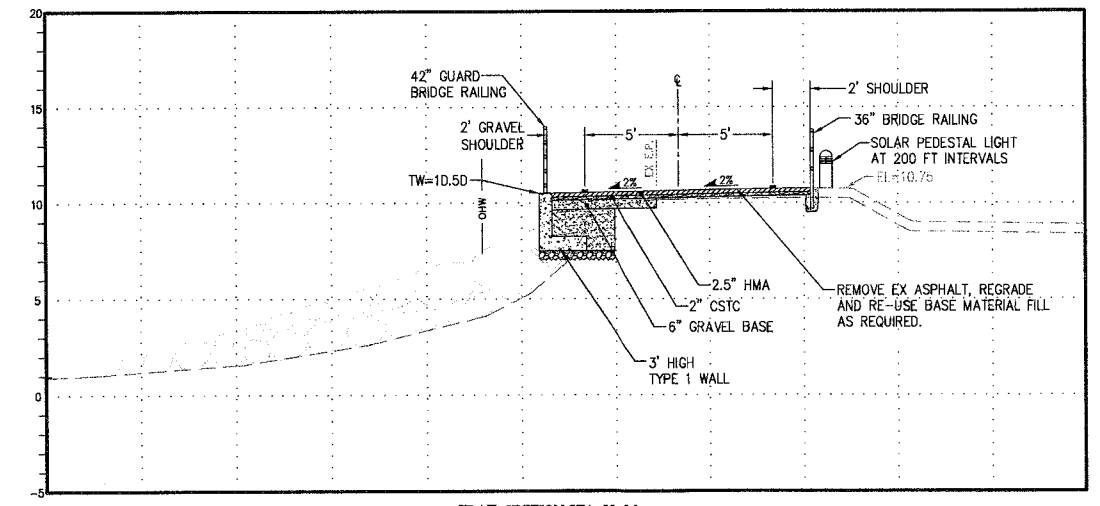
TRAIL SECTION STA. 28+65
SCALE 1"=5'



TRAIL SECTION STA. 29+45
SCALE 1"=5'



TRAIL SECTION STA. 31+03
SCALE 1"=5'

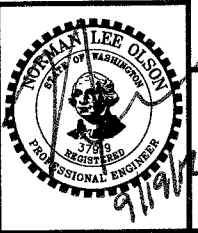


TRAIL SECTION STA. 32+26
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

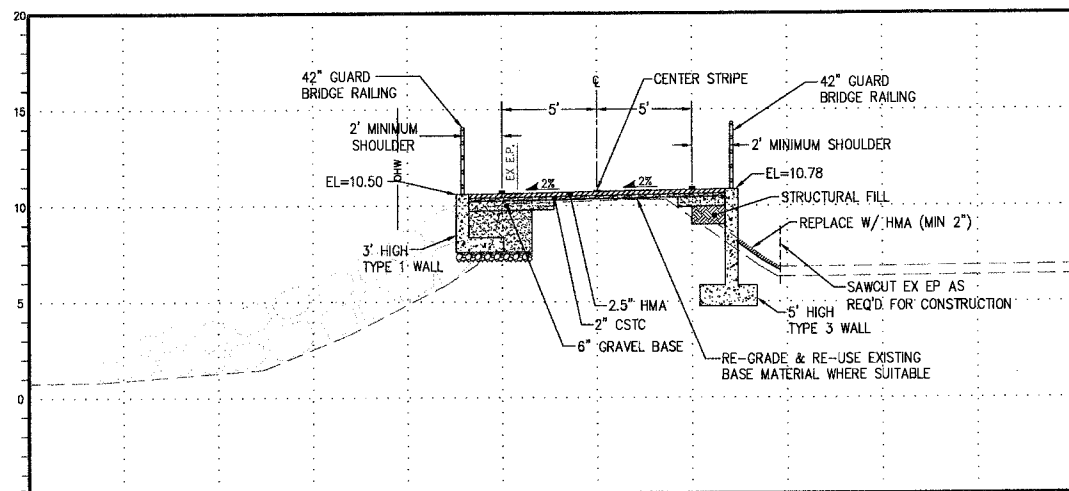
BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLQH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

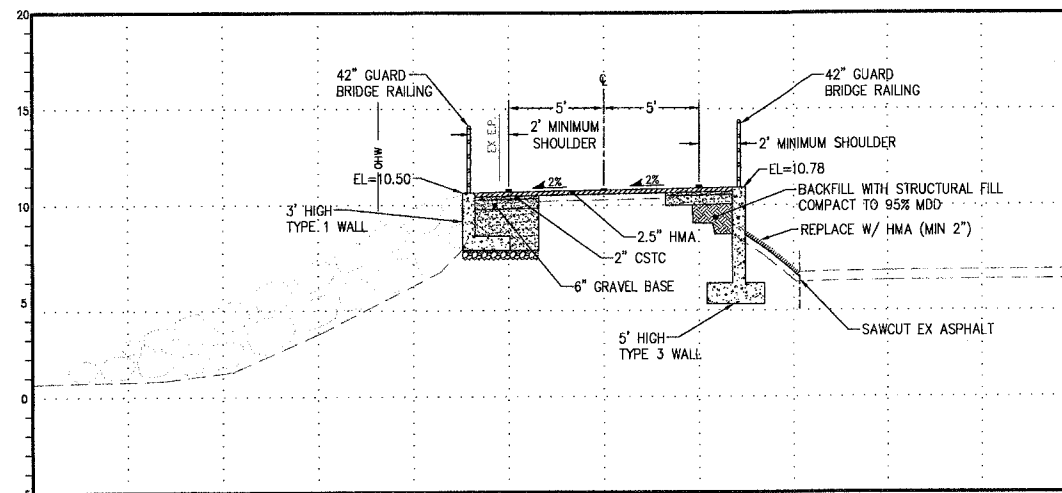


TRAIL SECTIONS STA 22+75 TO STA 32+40
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

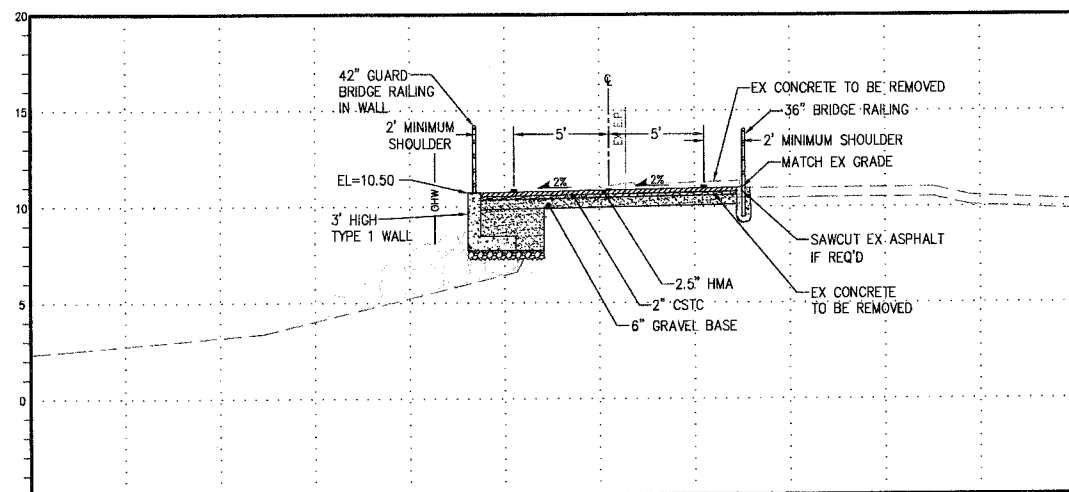
FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366
SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER: **097337-407230**
SHEET: C7.2



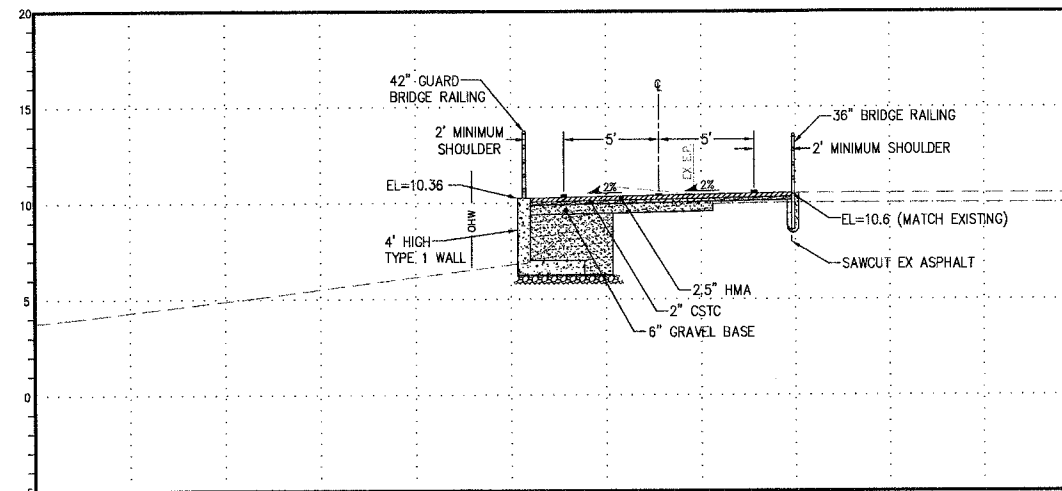
TRAIL SECTION STA. 32+78
SCALE 1"=5'



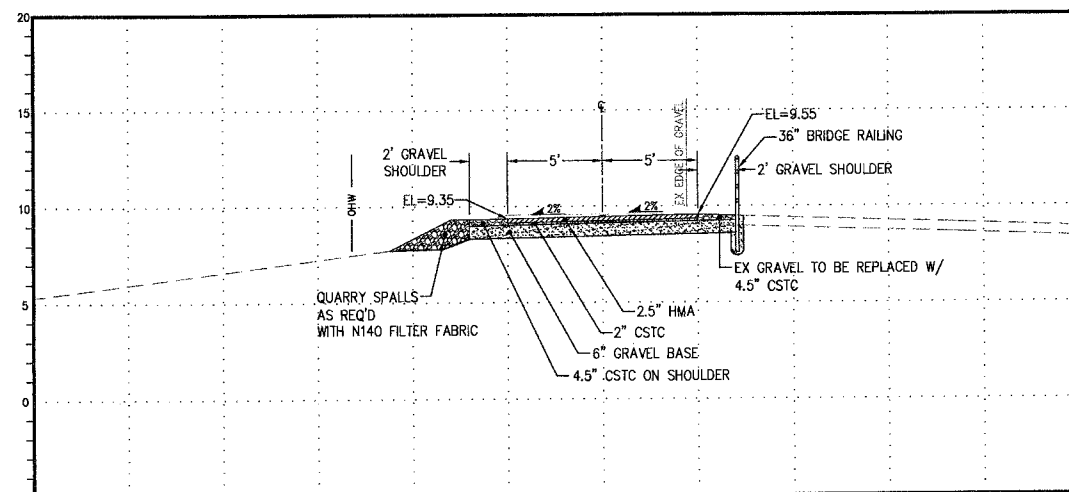
TRAIL SECTION STA. 33+27
SCALE 1"=5'



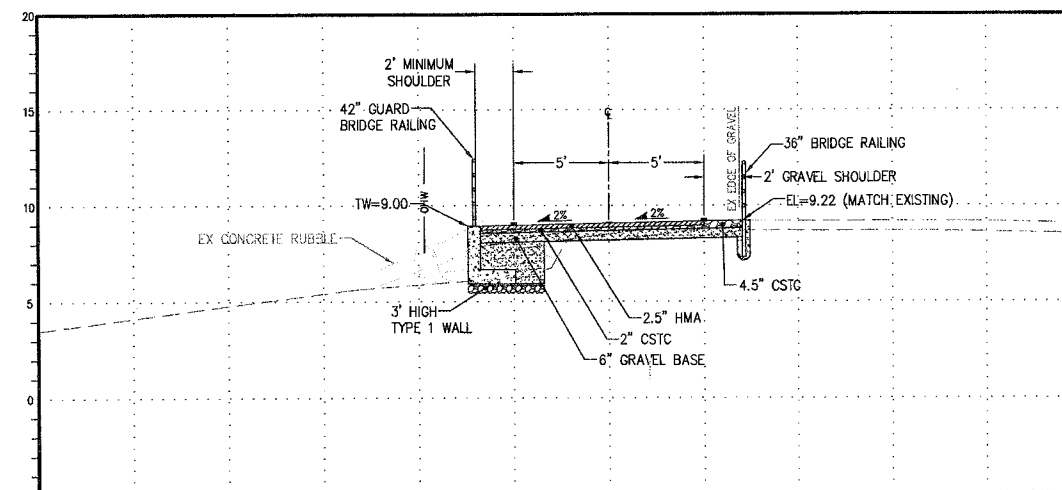
TRAIL SECTION STA. 34+53
SCALE 1"=5'



TRAIL SECTION STA. 35+21
SCALE 1"=5'



TRAIL SECTION STA. 36+51
SCALE 1"=5'

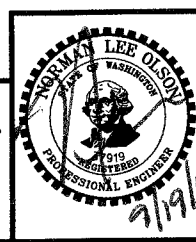


TRAIL SECTION STA. 37+16
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

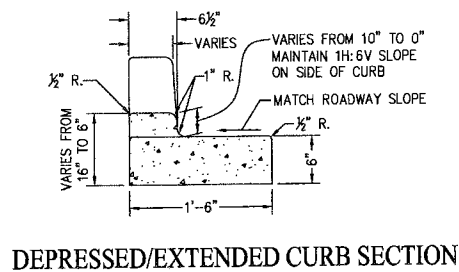
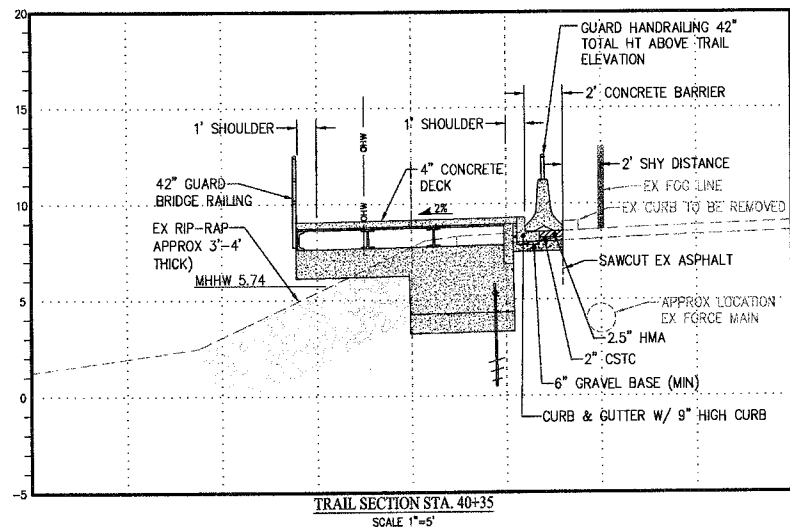
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



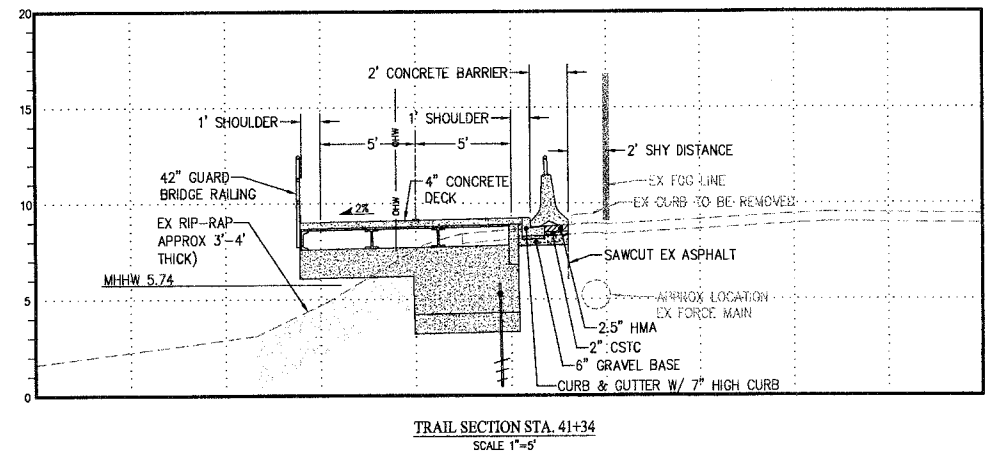
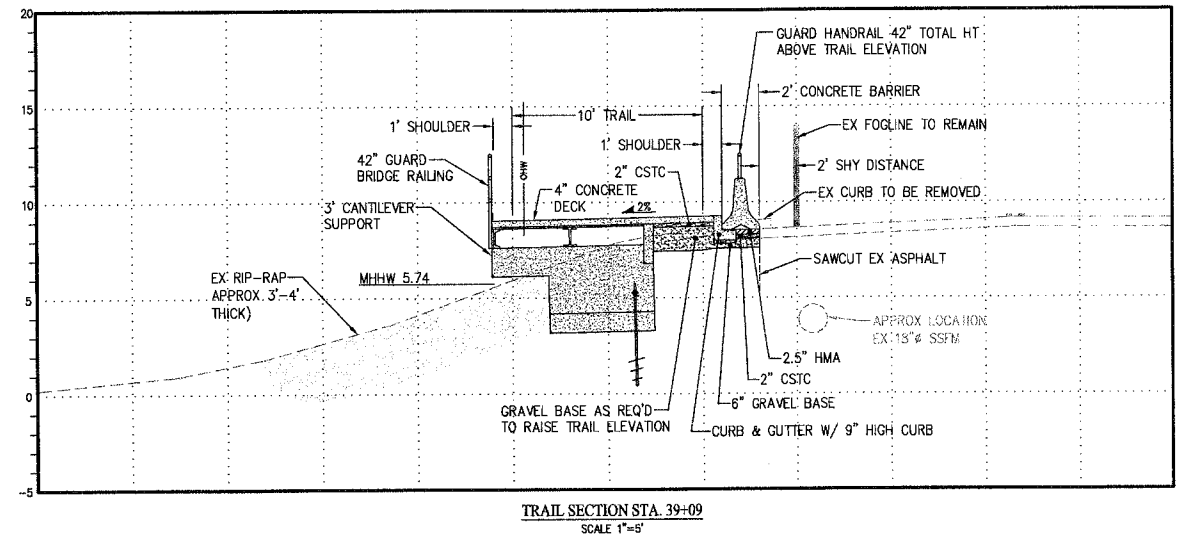
TRAIL SECTIONS STA 32+90 TO STA 37+30
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situatue Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407231
SHEET C7.3



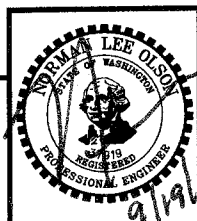
NOTE: TOP OF FOUNDATION ELEVATION = 1'-4" LOWER THAN EXISTING GRADE/TOP OF TRAIL. SLOPE FOUNDATION 2% TO MATCH TRAIL SLOPE.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

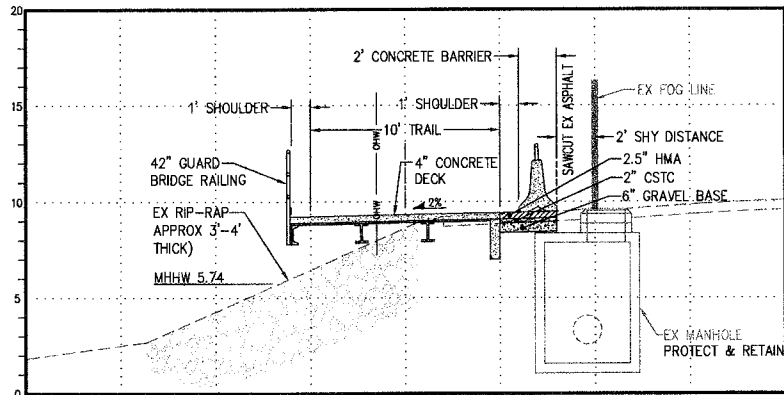
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



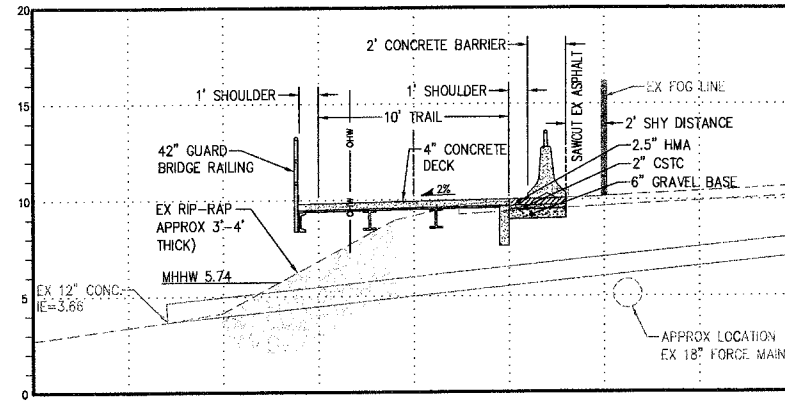
TRAIL SECTIONS STA 36+51 TO STA 41+34
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

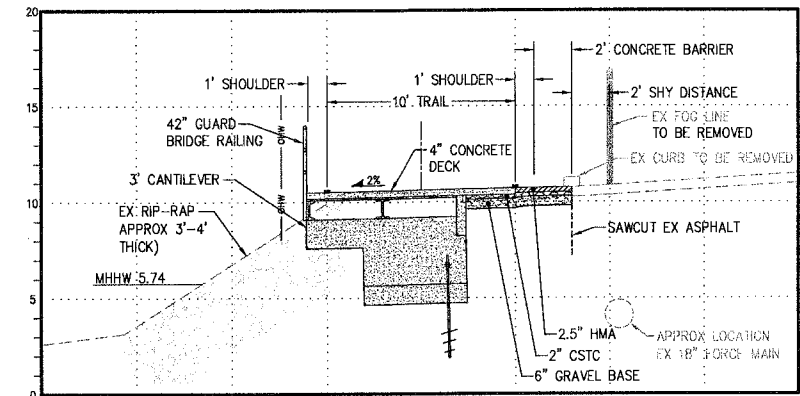
SCALE: 1" = 5'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407232
 SHEET C7.4



TRAIL SECTION STA. 42+46
SCALE 1"=5'

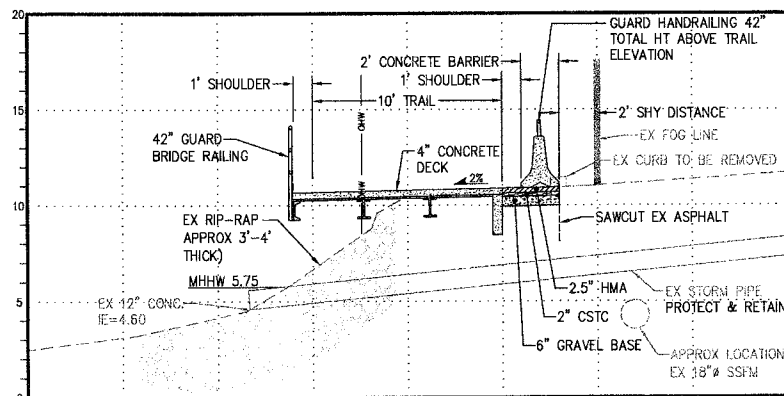


TRAIL SECTION STA. 45+36
SCALE 1"=5'

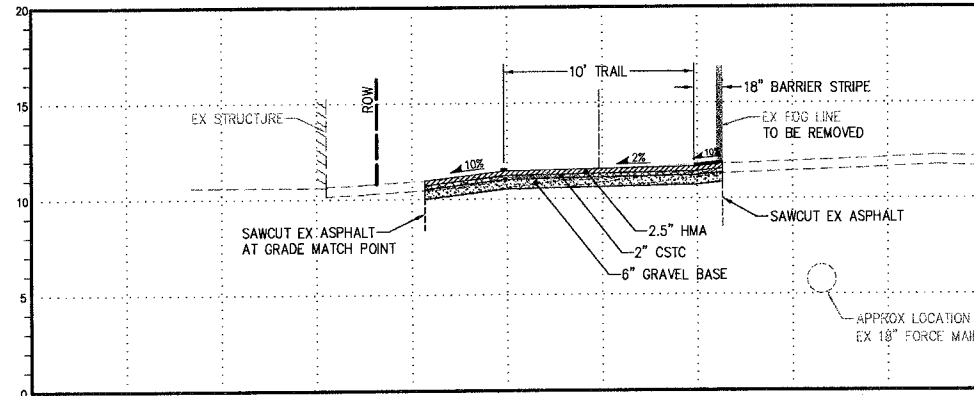


TRAIL SECTION STA. 46+91
SCALE 1"=5'

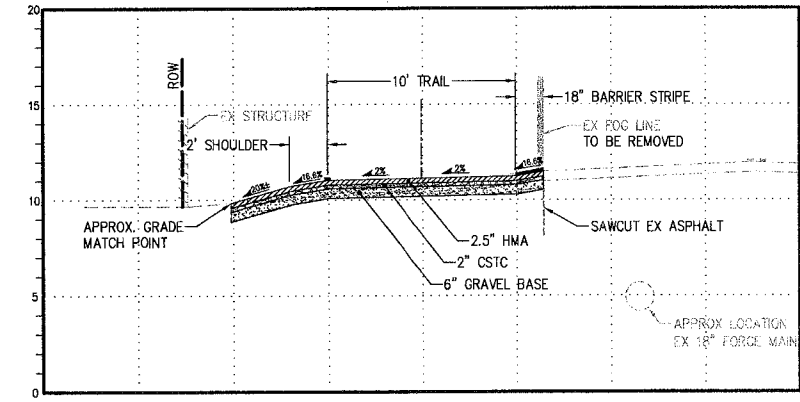
NOTE: TOP OF FOUNDATION ELEVATION=1'-4" LOWER THAN EXISTING GRADE/ TOP OF TRAIL. SLOPE FOUNDATION 2% TO MATCH TRAIL SLOPE.



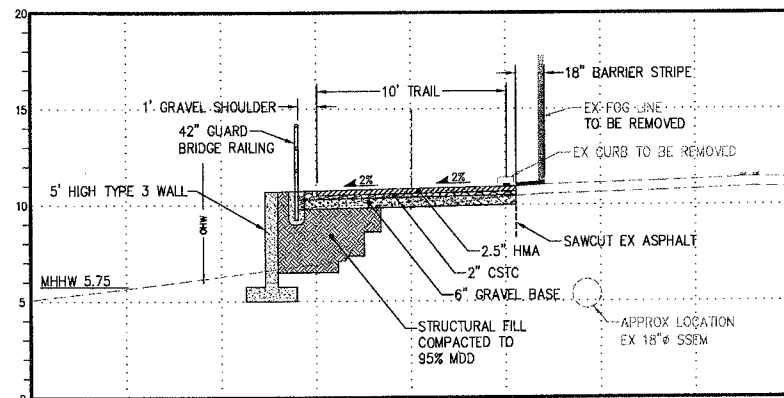
TRAIL SECTION STA. 47+28
SCALE 1"=5'



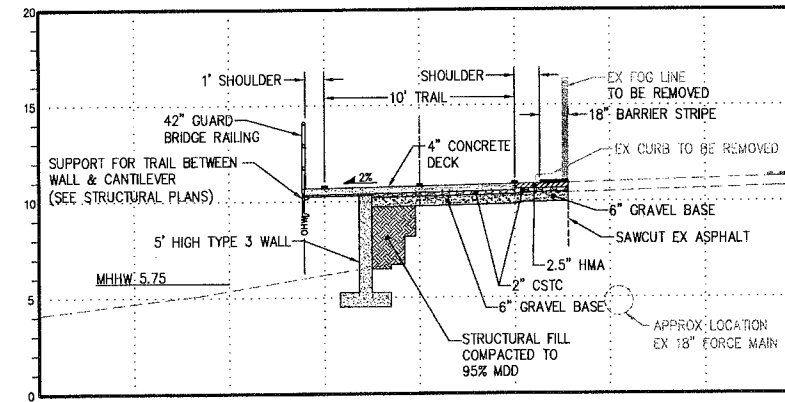
TRAIL SECTION STA. 48+60
SCALE 1"=5'



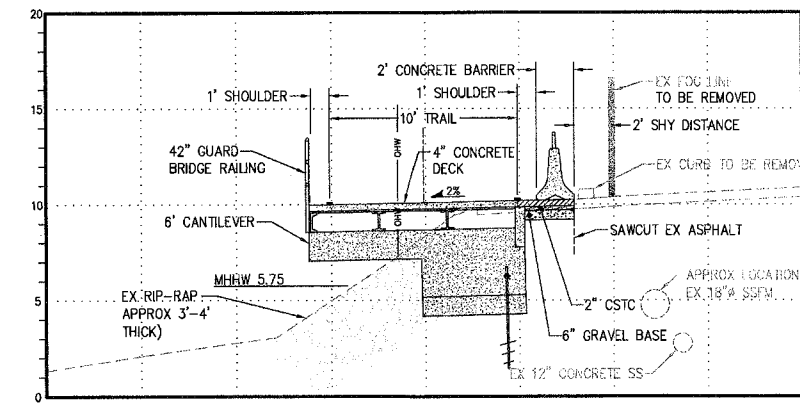
TRAIL SECTION STA. 49+40
SCALE 1"=5'



TRAIL SECTION STA. 49+91
SCALE 1"=5'



TRAIL SECTION STA. 50+09
SCALE 1"=5'

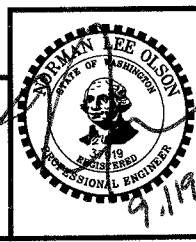


TRAIL SECTION STA. 51+00
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

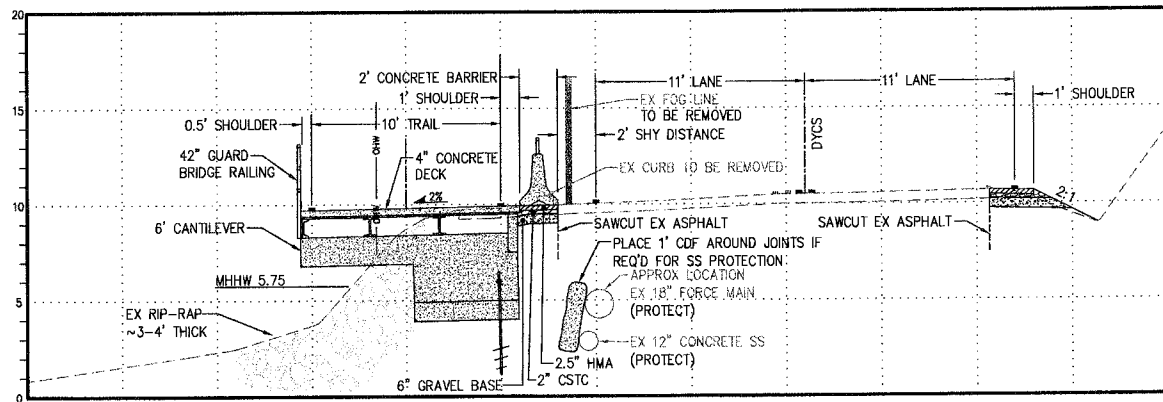
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



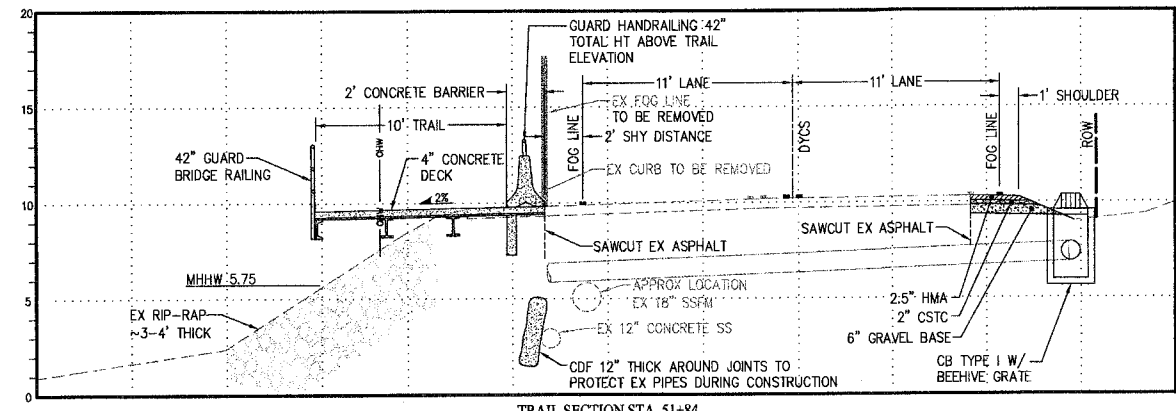
TRAIL SECTIONS STA 42+43 TO STA 51+00
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

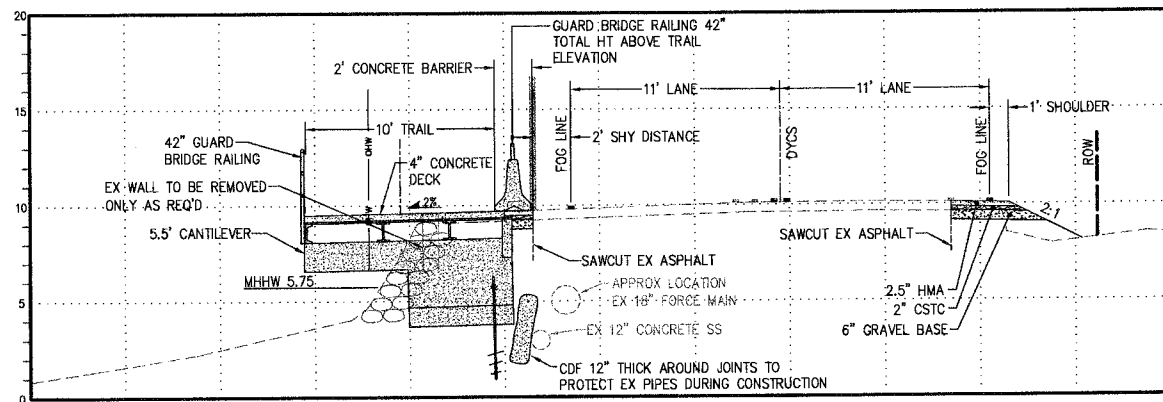
SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER: **097337-407233**
SHEET: C7.5



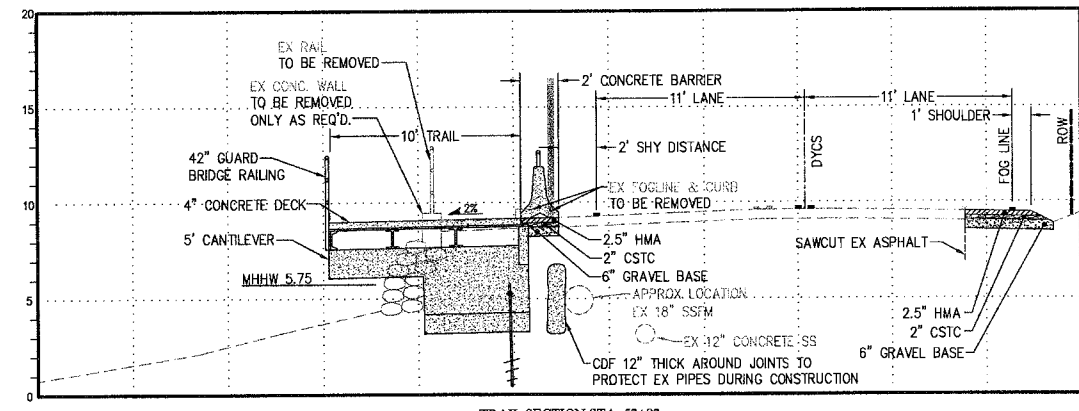
TRAIL SECTION STA. 51+56
SCALE 1"=5'



TRAIL SECTION STA. 51+84
SCALE 1"=5'

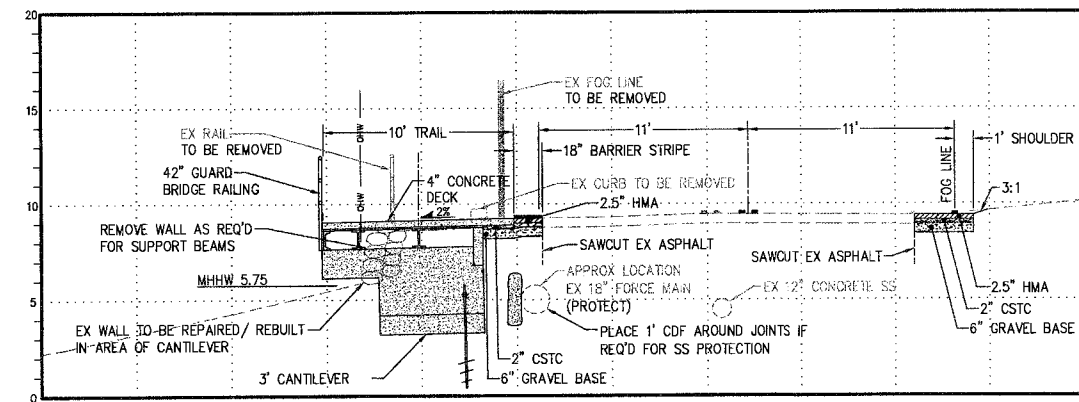


TRAIL SECTION STA. 51+98
SCALE 1"=5'



TRAIL SECTION STA. 52+82
SCALE 1"=5'

NOTE: TOP OF FOUNDATION ELEVATION=1'-4"
LOWER THAN EXISTING GRADE/ TOP OF TRAIL.
SLOPE FOUNDATION 2% TO MATCH TRAIL SLOPE.

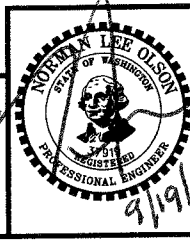


TRAIL SECTION STA. 53+85
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

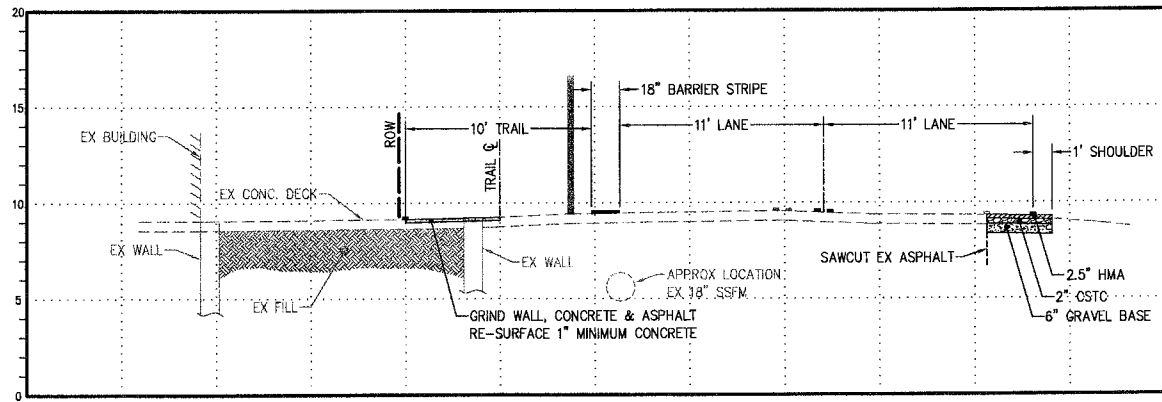


TRAIL SECTIONS STA 51+56 TO STA 53+85
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

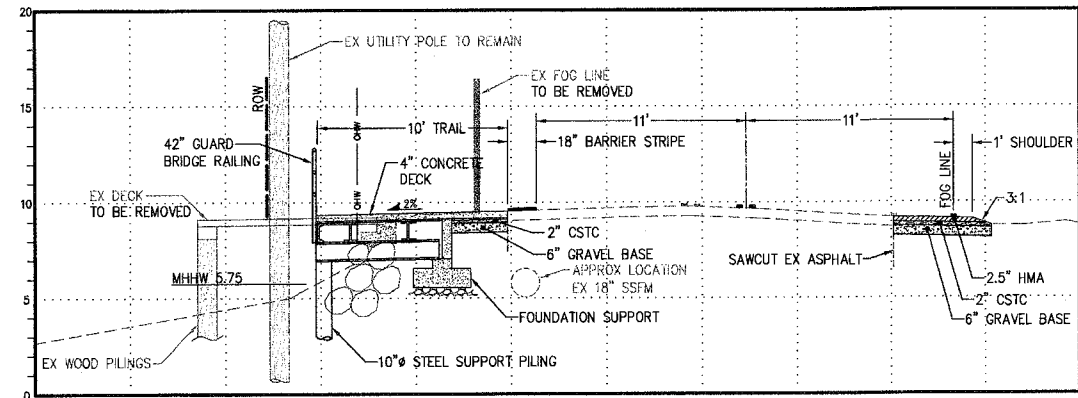
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

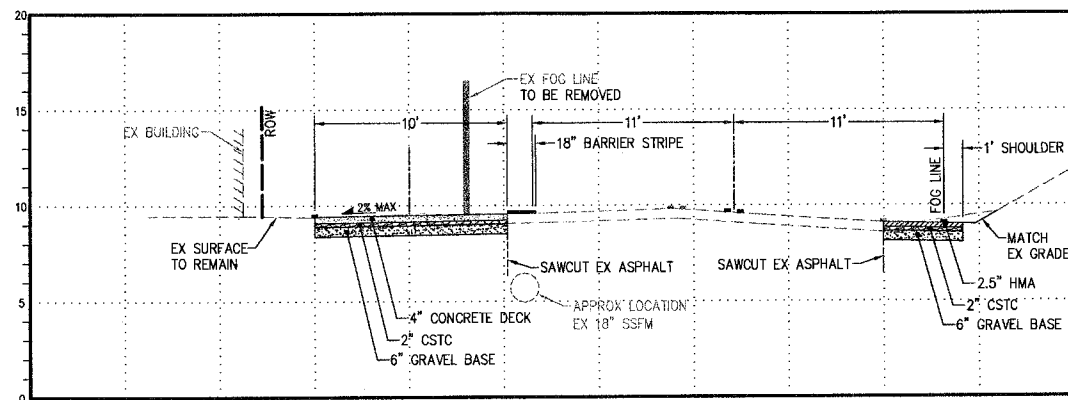
SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407234
SHEET C7.6



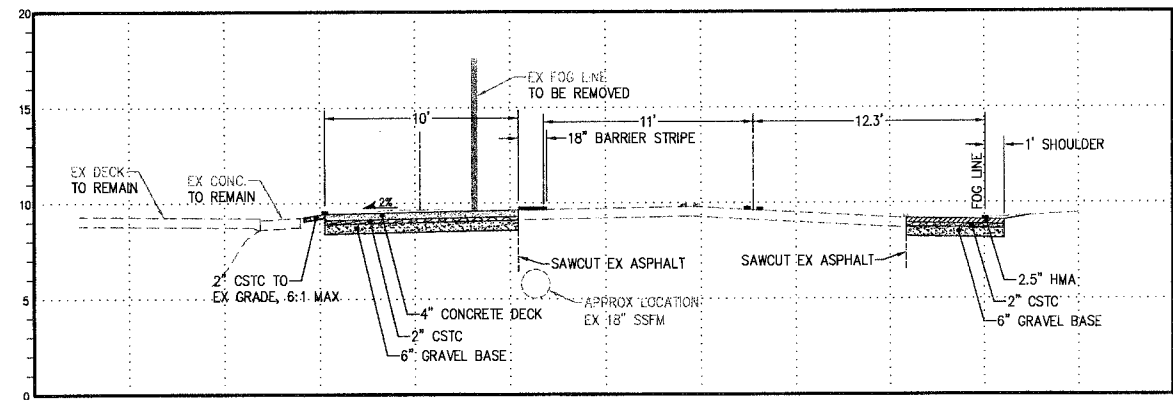
TRAIL SECTION STA. 54+40
SCALE 1"=5'



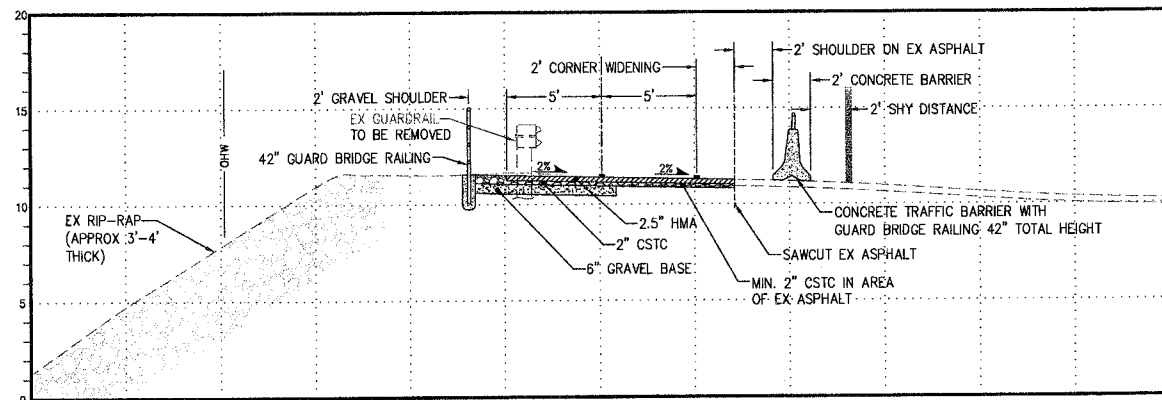
TRAIL SECTION STA. 54+99
SCALE 1"=5'



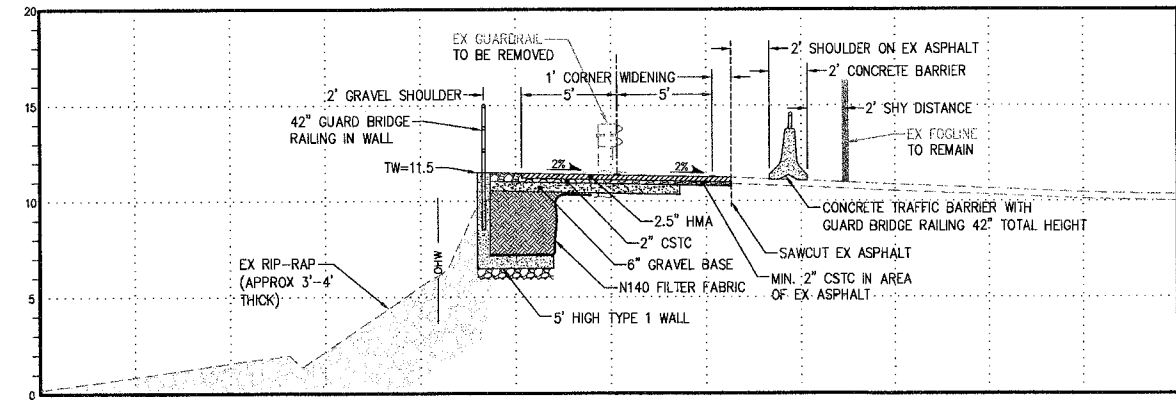
TRAIL SECTION STA. 55+23
SCALE 1"=5'



TRAIL SECTION STA. 55+74
SCALE 1"=5'



TRAIL SECTION STA. 56+72
SCALE 1"=5'

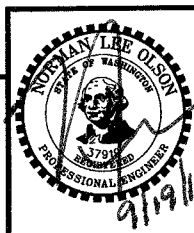


TRAIL SECTION STA. 57+19
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 893-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

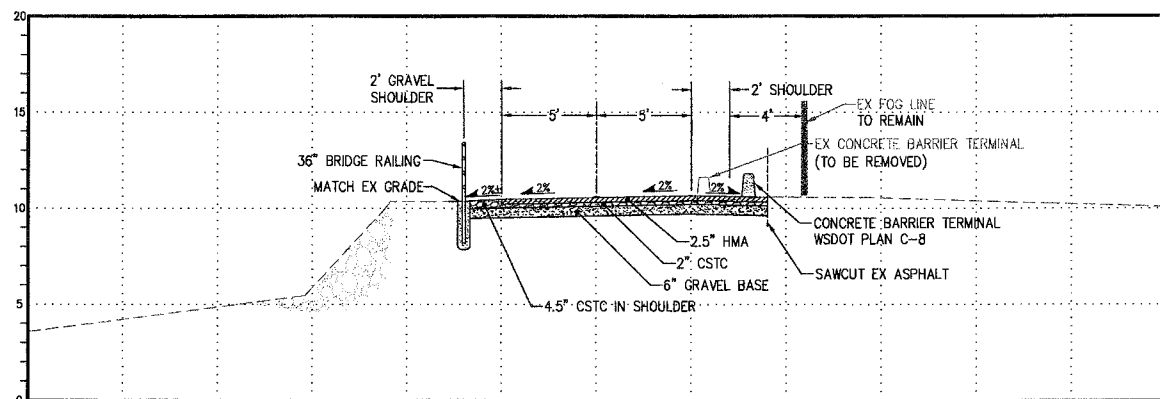


TRAIL SECTIONS STA 54+40 TO STA 57+45
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

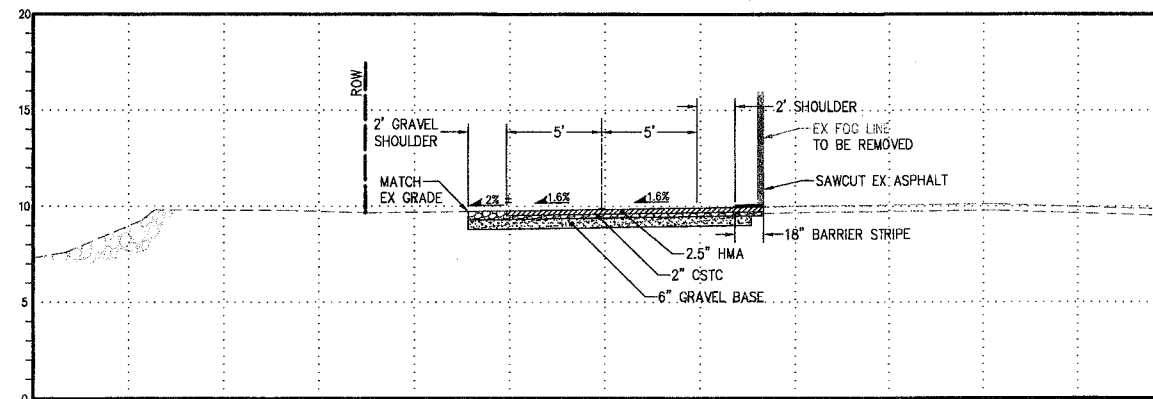
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

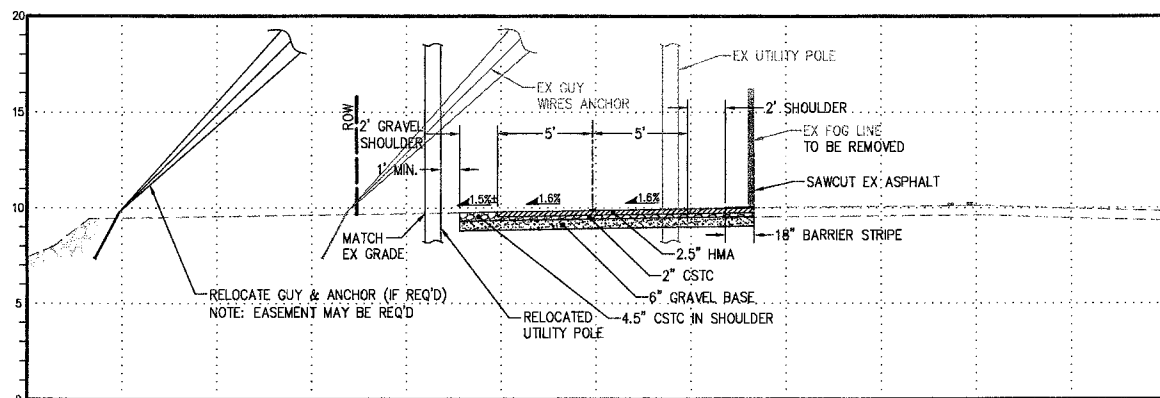
SCALE: 1"= 5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407235
SHEET C7.7



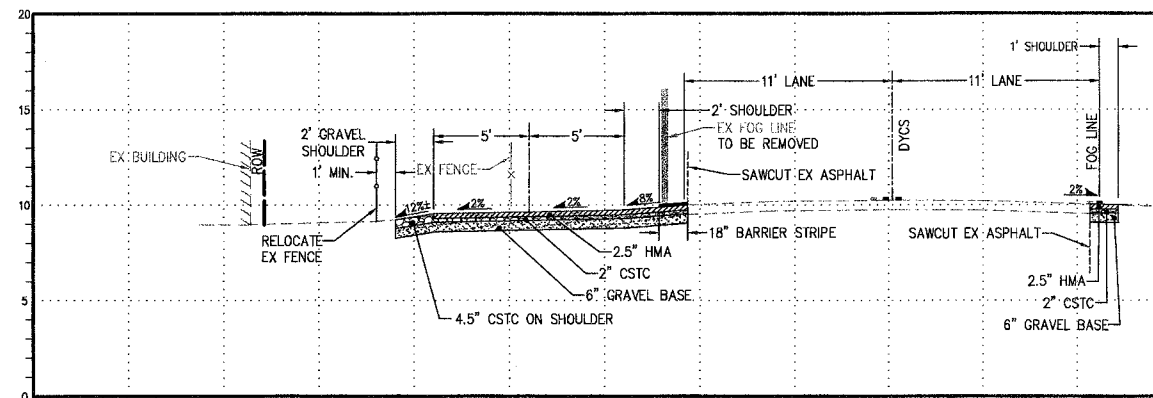
TRAIL SECTION STA. 57+59
SCALE 1"=5'



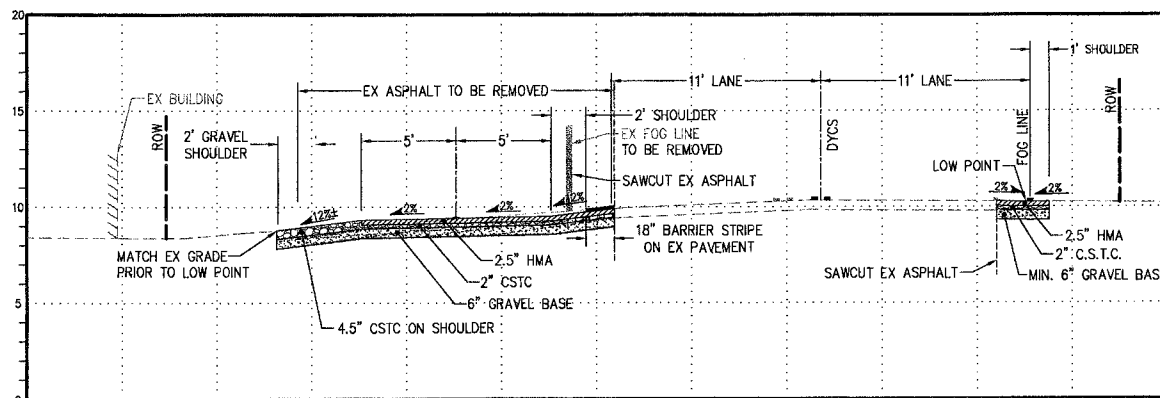
TRAIL SECTION STA. 58+00
SCALE 1"=5'



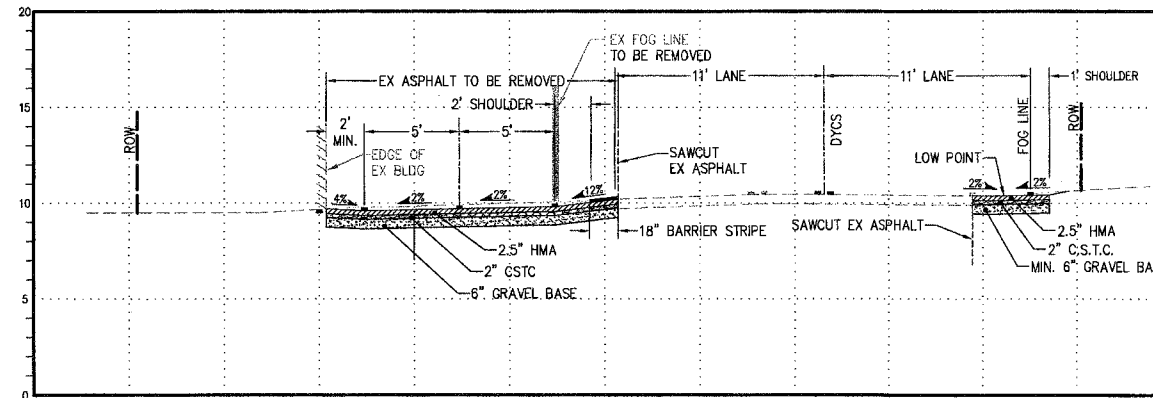
TRAIL SECTION STA. 58+05
SCALE 1"=5'



TRAIL SECTION STA. 58+50
SCALE 1"=5'



TRAIL SECTION STA. 58+87
SCALE 1"=5'

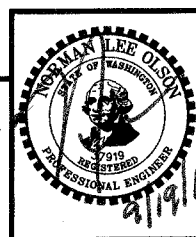


TRAIL SECTION STA. 59+54
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

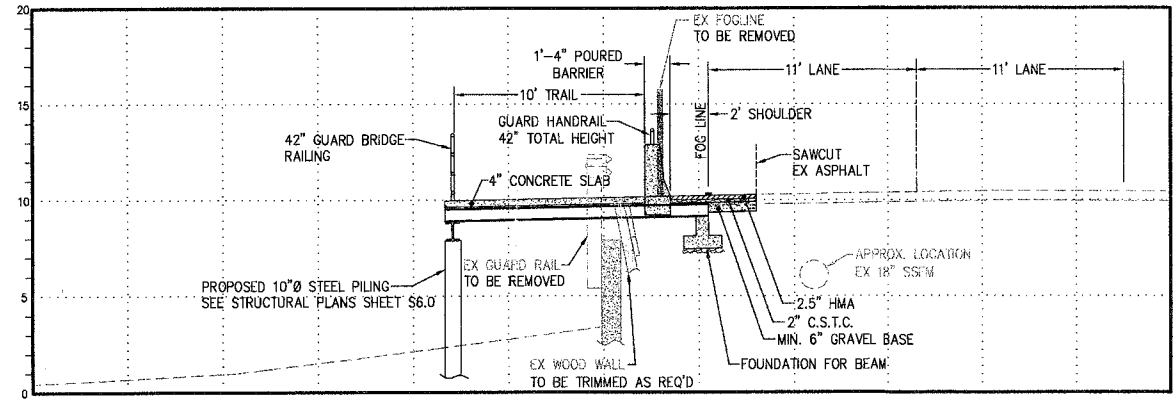
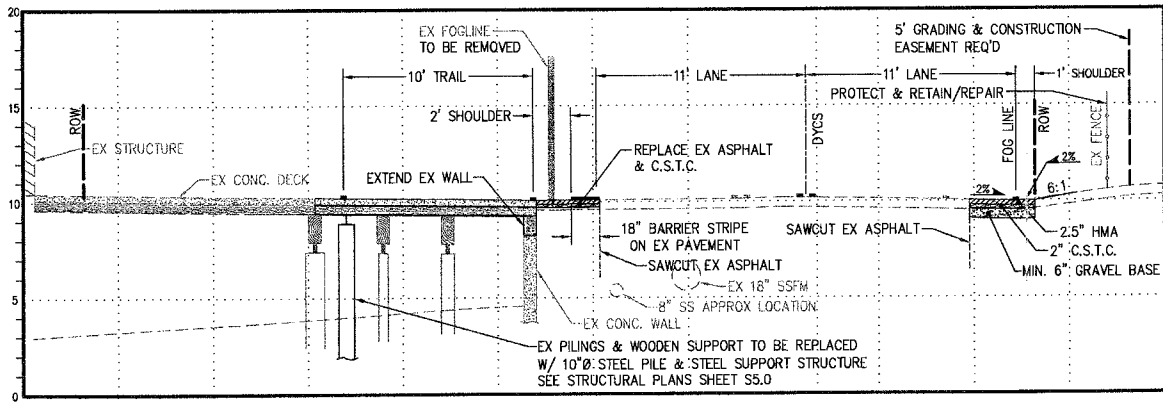
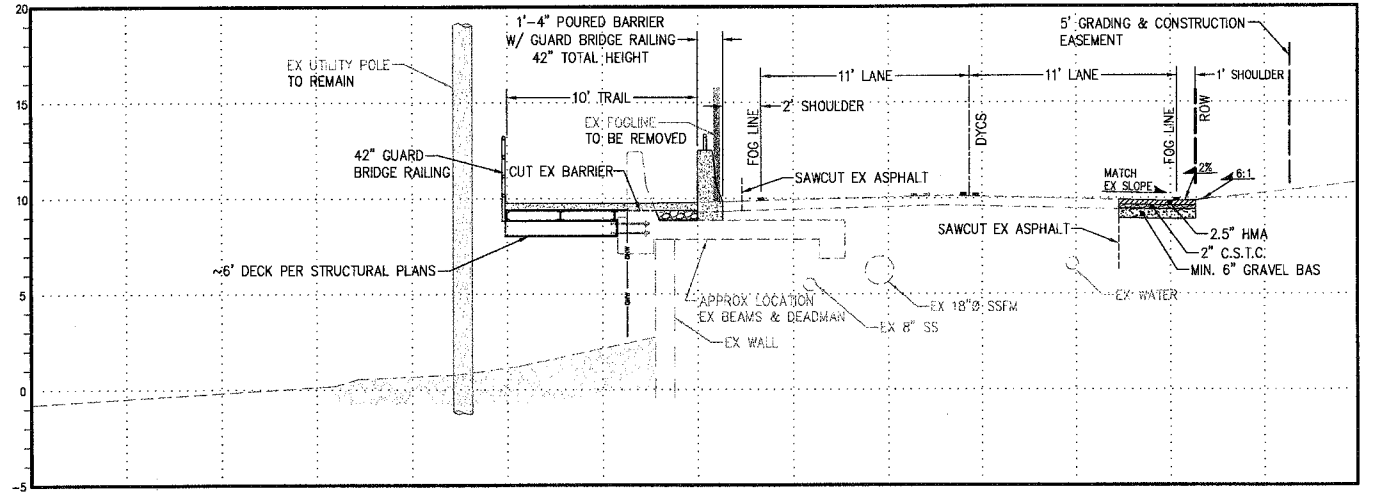
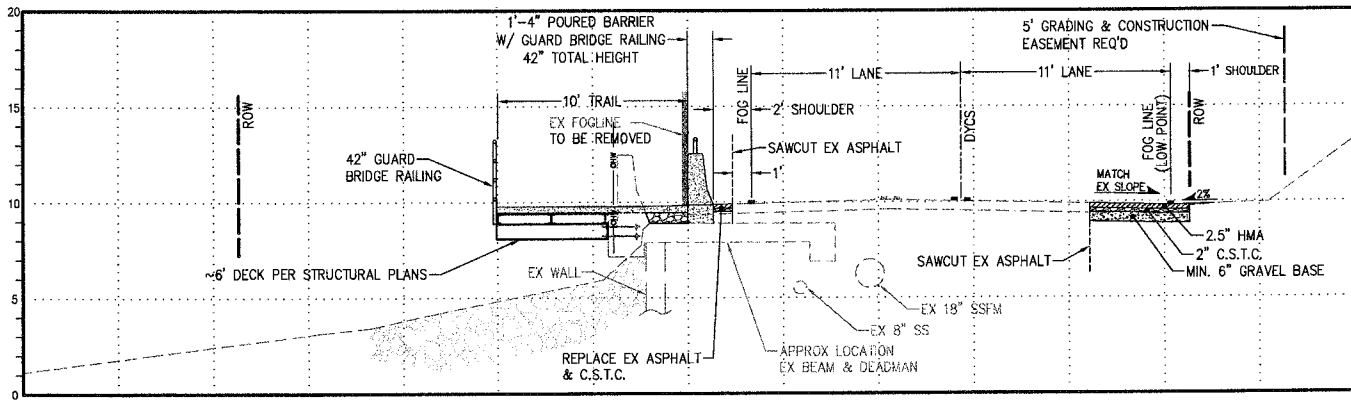
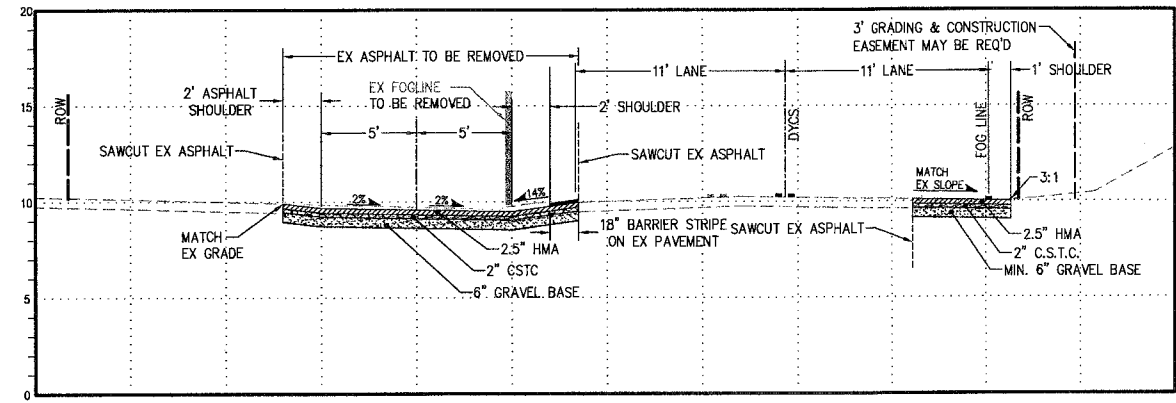
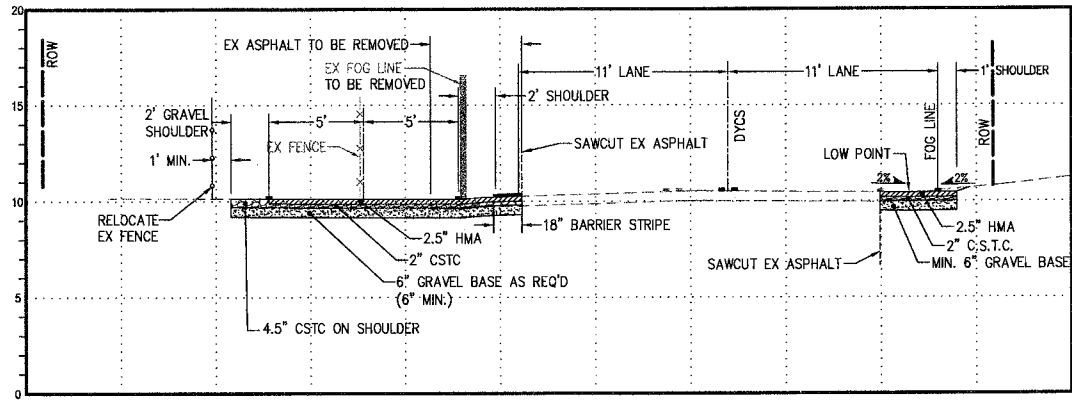
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL SECTIONS STA 57+87 TO STA 59+54
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situates Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407236
SHEET C7.8

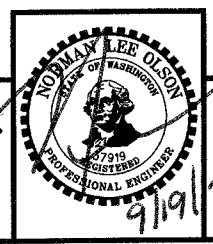


C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 TRAIL SECTIONS C7.4 TO C7.9.dwg, 9/14/2012 3:22:36 PM, jbrampton, \\WLOCPA\Doc 73570

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOII	9/12
APPROVED	
ACCEPTED	

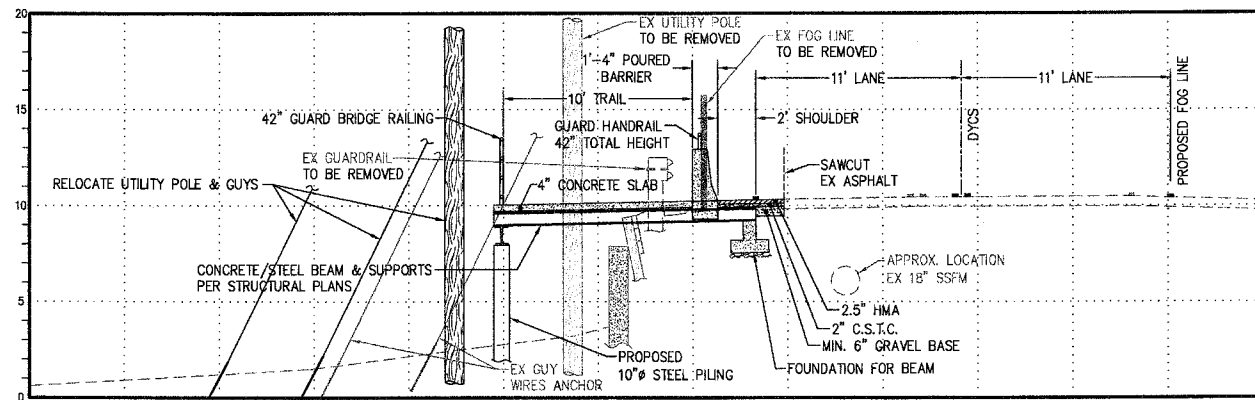
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



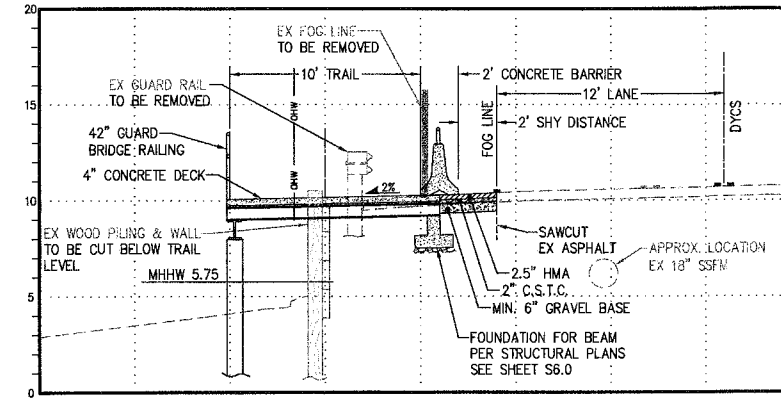
TRAIL SECTIONS STA 59+93 TO STA 63+19
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situata Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

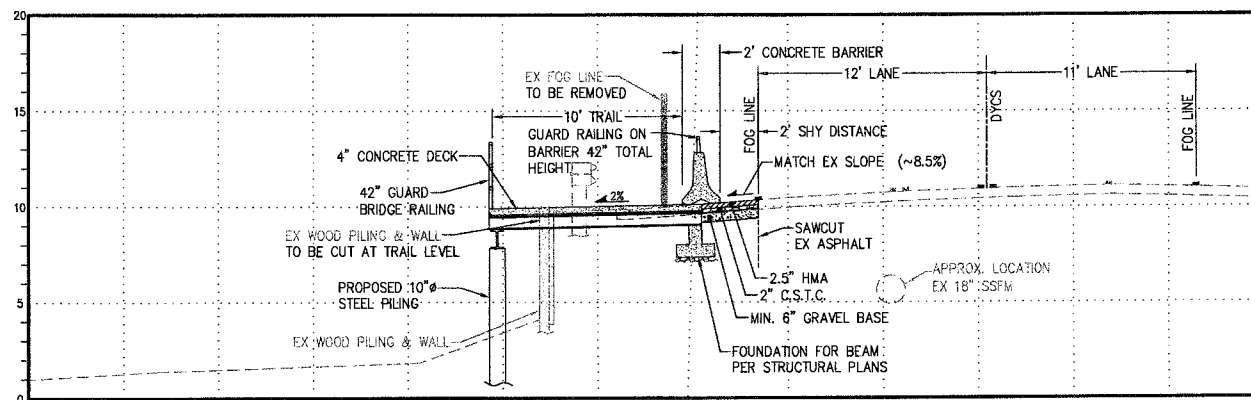
SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407237
SHEET C7.9



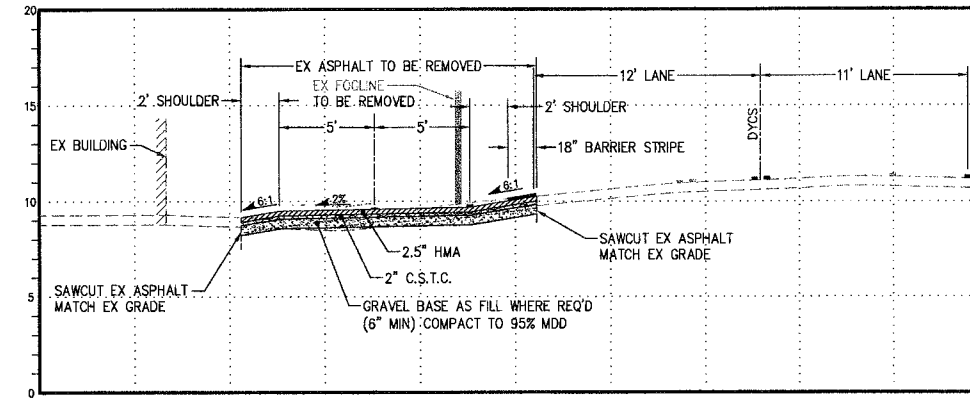
TRAIL SECTION STA. 63+44
SCALE 1"=5'



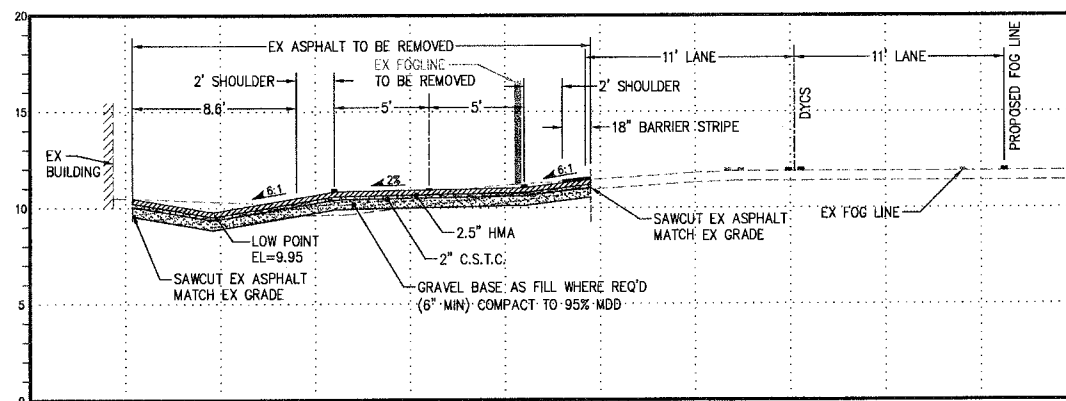
TRAIL SECTION STA. 63+99
SCALE 1"=5'



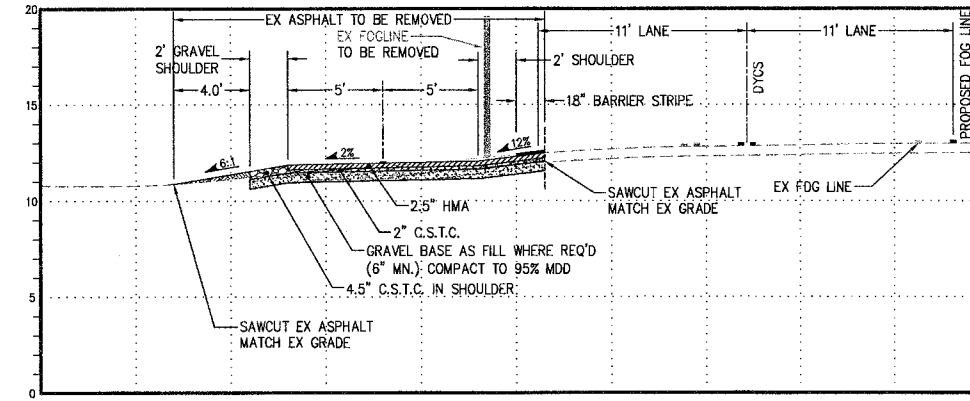
TRAIL SECTION STA. 64+39
SCALE 1"=5'



TRAIL SECTION STA. 64+83
SCALE 1"=5'



TRAIL SECTION STA. 65+7.2
SCALE 1"=5'

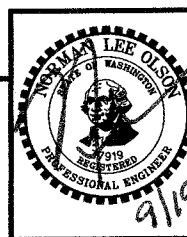


TRAIL SECTION STA. 66+10
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

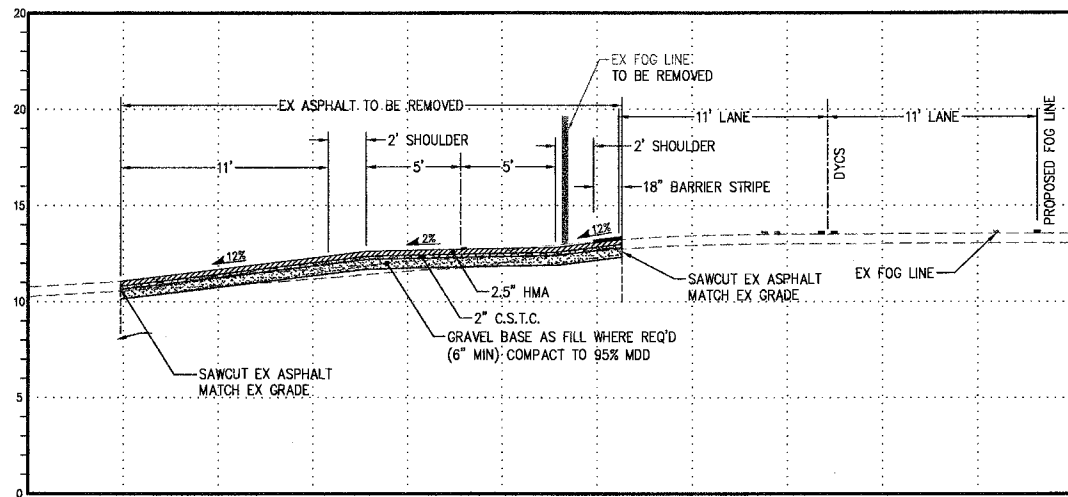
BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

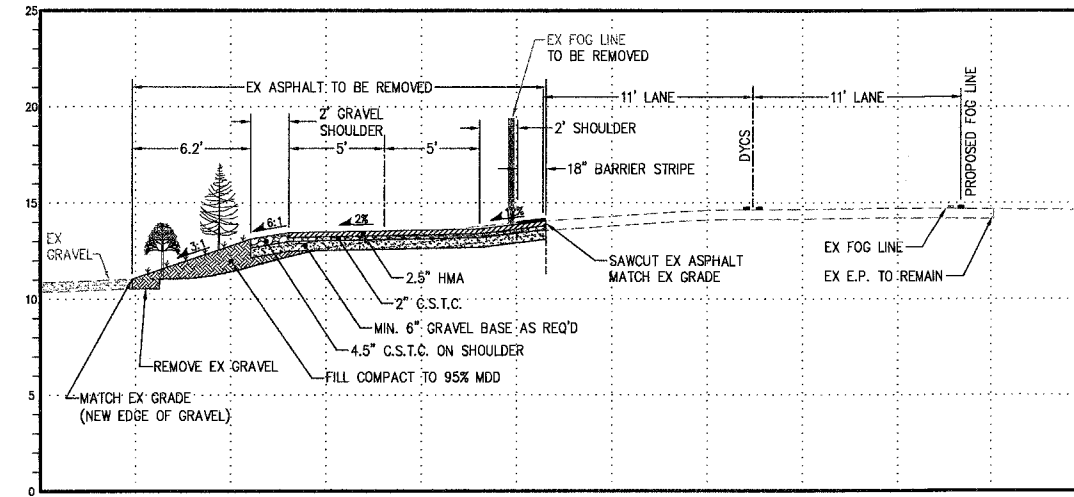


TRAIL SECTIONS STA 63+44 TO STA 66+35
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

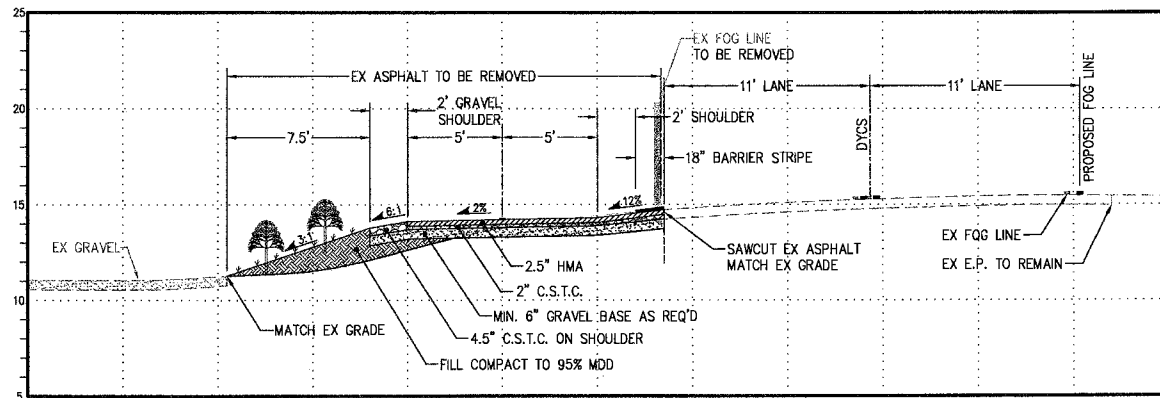
FOR:	City of Port Orchard 216 Prospect Street Port Orchard, WA 98366
SCALE:	1"= 5'
DATE:	Sep. 12, 2012
DRAWING NUMBER:	097337-407238
SHEET:	C7.10



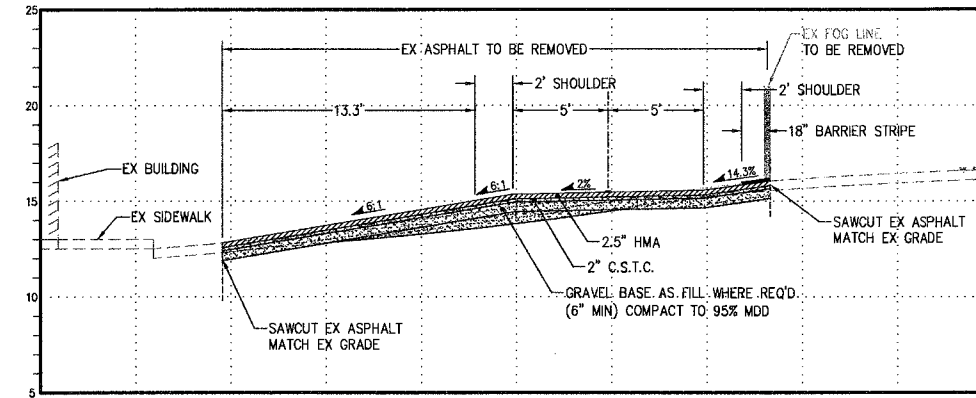
TRAIL SECTION STA. 66+40
SCALE 1"=5'



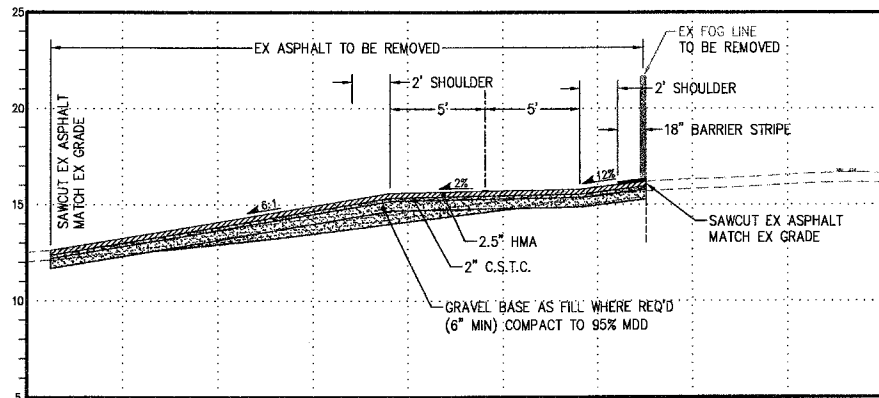
TRAIL SECTION STA. 66+91
SCALE 1"=5'



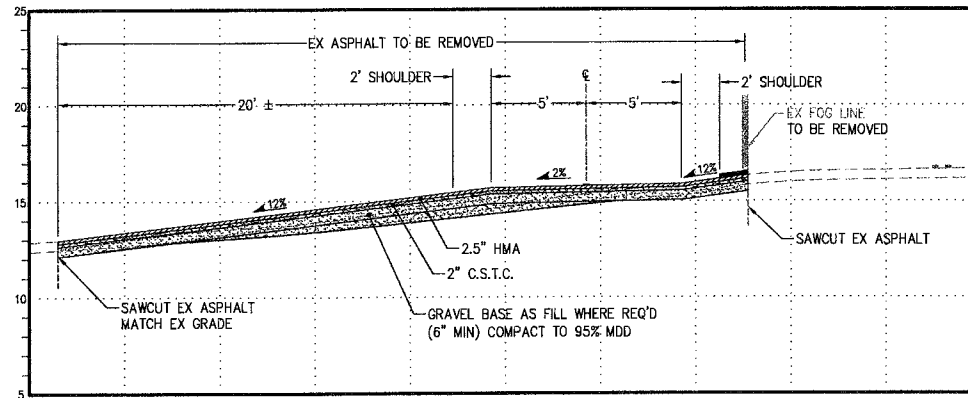
TRAIL SECTION STA. 67+23
SCALE 1"=5'



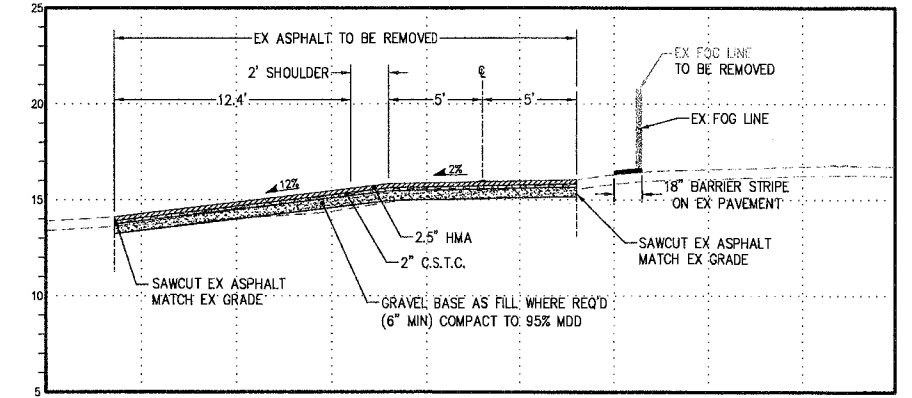
TRAIL SECTION STA. 68+28
SCALE 1"=5'



TRAIL SECTION STA. 68+49
SCALE 1"=5'



TRAIL SECTION STA. 68+77
SCALE 1"=5'

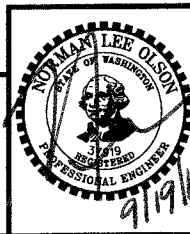


TRAIL SECTION STA. 69+03
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TRAIL SECTIONS STA 66+65 TO STA 69+27
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

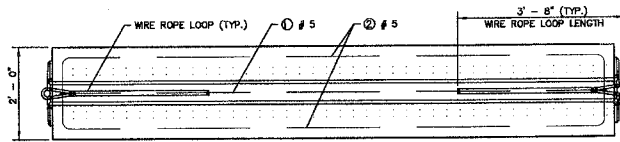
SCALE: 1"= 5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407239
SHEET C7.11

**ROAD & STORM DRAINAGE CONSTRUCTION
INSPECTION REQUIREMENTS AND SCHEDULES**

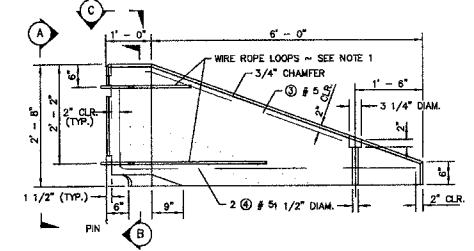
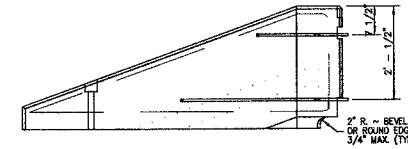
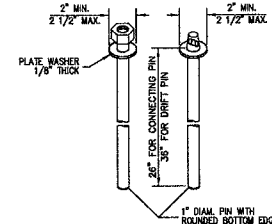
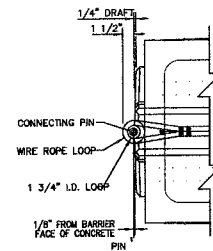
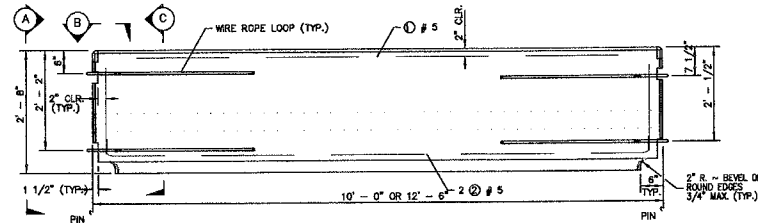
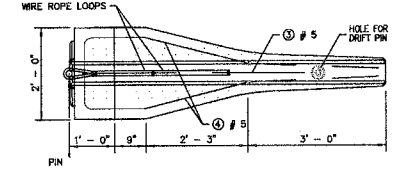
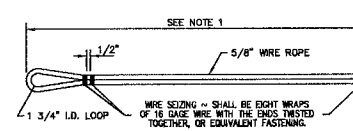
1. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER TO ARRANGE INSPECTION SCHEDULES FOR THOSE PHASES OF WORK CHECKED BELOW. INSPECTION SCHEDULES SHALL BE ARRANGED PRIOR TO PROCEEDING TO THE NEXT PHASE OF WORK. INSPECTIONS IN ADDITION TO THOSE INDICATED MAY BE REQUIRED BY THE CITY. THE CONTRACTOR SHALL VERIFY THE INSPECTIONS REQUIRED WITH THE CITY AND SHALL ARRANGE INSPECTIONS SCHEDULES BY CONTACTING THE CITY ENGINEER'S OFFICE.

- A. IMPLEMENTATION OF VARIOUS PHASES OF TEMPORARY EROSION AND SEDIMENTATION CONTROL PLANS.
- B. PLACEMENT OF THE MAJOR DRAINAGE STRUCTURES PRIOR TO BACKFILLING.
- C. COMPLETION OF SUBGRADE PREPARATION.
- D. COMPLETION OF PLACEMENT OF GRAVEL BASE.
- E. COMPLETION OF PLACEMENT OF CRUSHED SURFACING.
- F. COMPLETION OF FINE GRADING PRIOR TO PAVING.
- G. COMPLETION OF PAVEMENT INSTALLATIONS.

2. IF ADEQUATE INSPECTION IS NOT CALLED FOR BEFORE COMPLETION OF THE PAVEMENT CONSTRUCTION, IT MAY BE NECESSARY FOR CORE DRILLING AND TESTING TO BE PERFORMED TO ASSURE AN ACCEPTABLE QUALITY OF ROADWAY. WHEN CORE DRILLING IS FOUND TO BE NECESSARY, THE CONTRACTOR WILL BE BILLED AND HELD RESPONSIBLE FOR ALL COSTS INCURRED.



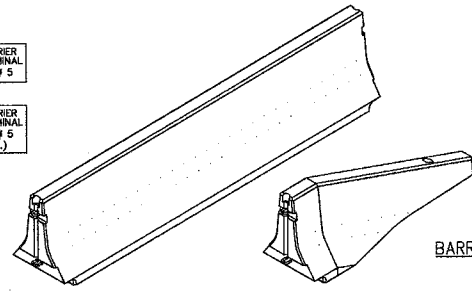
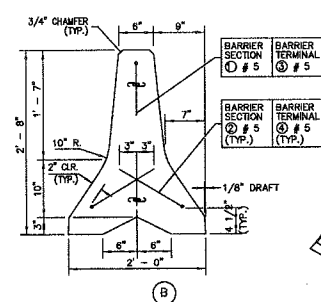
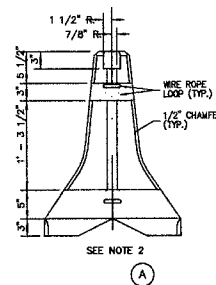
1. WIRE ROPE LOOPS SHALL BE 3' - 8" LONG, EXCEPT FOR THE TOP LOOP OF THE BARRIER TERMINAL, WHICH SHALL BE 2' - 0" LONG.
2. EXCEPT FOR THE LOCATIONS OF THE WIRE ROPE LOOPS, THE DIMENSIONS SHOWN IN END VIEW "A" ARE TYPICAL FOR BOTH ENDS OF A BARRIER SECTION OR OPPOSING ENDS OF BARRIER TERMINALS.
3. CONNECTING AND DRIFT PIN HEAD DESIGNS VARY AMONG DIFFERENT MANUFACTURERS. PIN DESIGNS THAT ARE SHAPED DIFFERENTLY THAN THOSE SHOWN IN THE DETAIL ARE ACCEPTABLE, IF THE BEARING SURFACE IS WITHIN THE MINIMUM AND MAXIMUM WIDTHS SPECIFIED.
4. THE VERTICAL SPACING OF THE WIRE ROPE LOOPS IN A BARRIER TERMINAL IS DETERMINED BY THE END OF THE BARRIER SEGMENT TO WHICH IT IS BEING CONNECTED. SEE BARRIER CONNECTION DETAIL (SHEET 2).



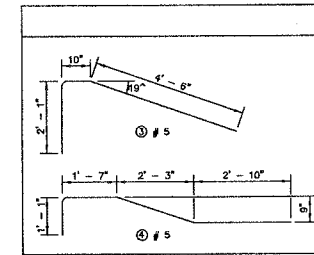
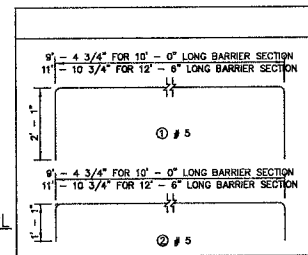
SEE NOTE 4
BARRIER TERMINAL

GRADING NOTES

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
2. MAXIMUM SLOPE STEEPNESS SHALL BE 2:1 HORIZONTAL:VERTICAL FOR CUT AND FILL SLOPES.
3. UNLESS OTHERWISE SPECIFIED, ALL EMBANKMENTS IN THE PLAN SET SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 2-03.3(14)B OF THE WSDOT STANDARD SPECIFICATIONS. EMBANKMENT COMPACTIONS SHALL CONFORM TO SECTION 2-03.3(14)C, METHOD B OF SAID STANDARD SPECIFICATION.
4. EMBANKMENTS DESIGNED TO IMPOUND WATER SHALL BE COMPACTED TO 95% MAXIMUM DENSITY PER SECTION 2-03.3(14)C, METHOD C OF WSDOT STANDARD SPECIFICATIONS.
5. ALL AREAS RECEIVING FILL MATERIAL SHALL BE PREPARED BY REMOVING VEGETATION, NONCOMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIAL, BY SCARIFYING THE SURFACE TO PROVIDE A BOND WITH THE NEW FILL, AND WHERE THE SLOPES ARE STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL AND THE HEIGHT IS GREATER THAN 5 FT., BY BENCHING INTO SOUND COMPETENT MATERIAL AS DETERMINED BY A GEOTECHNICAL ENGINEER.



BARRIER CONNECTION DETAIL



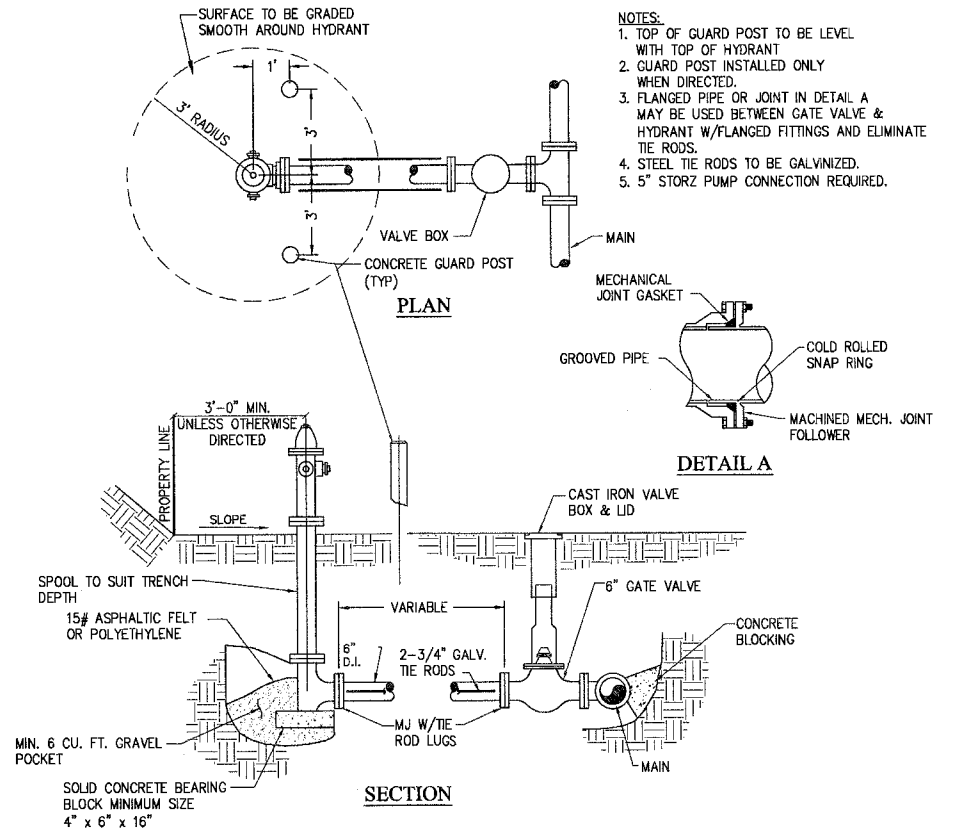
**CONCRETE BARRIER TYPE 2
WSDOT STD PLAN C-8**

CONSTRUCTION NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST REVISION OF THE "2012" STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS JOINTLY ADOPTED BY WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION (WASHINGTON STATE CHAPTER).
2. ANY REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED BY WASHINGTON STATE DEPARTMENT OF TRANSPORTATION PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
3. THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT THE "UNDERGROUND LOCATE" CENTER AND NON-SUBSCRIBING INDIVIDUAL UTILITY COMPANIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY (PHONE #1-800-424-5555). THE CONTRACTOR SHALL PROVIDE PROTECTION OF EXISTING UTILITIES FROM DAMAGE CAUSED BY CONTRACTOR OPERATIONS.
4. DRAINAGE SYSTEM SHALL BE INSTALLED AND FUNCTIONING PRIOR TO INSTALLATION OF PAVING.
5. CONTRACTOR SHALL HAVE AVAILABLE, AT THE SITE AT ALL TIMES DURING CONSTRUCTION, A SET OF APPROVED FINAL CONSTRUCTION PLANS.
6. BEFORE WORKING IN STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY THE STATE OF WASHINGTON.
7. ALL SLOPES SHALL BE 4:1. (UNLESS OTHERWISE NOTED)
8. CONTRACTOR WILL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL REQUIRED AS A RESULT OF HIS/HER OPERATIONS.
9. CONTRACTOR SHALL USE A PROFESSIONAL LAND SURVEYOR FOR ALL CONSTRUCTION STAKING.
10. UNLESS OTHERWISE INDICATED ON PLANS, ALL STORM SEWER PIPE HAS BEEN SIZED TO MEET MANNING'S ROUGHNESS COEFFICIENT, N = 0.012. THE CONTRACTOR SHALL HAVE THE OPTION TO:
 - A. INSTALL STORM SEWER PIPE AS INDICATED ON PLANS USING PIPE WHICH MEETS, n=0.012
 - B. OR PROVIDE "ENGINEER" W/ REVISED PLANS W/ DIAMETERS AND OR SLOPE ADJUSTMENTS AS REQUIRED.
11. ALL SURFACE & PAVING DEPTHS ARE COMPACTED DEPTHS. COURSES SHALL NOT EXCEED DEPTHS DEFINED IN W.S.D.O.T. 5-04.3(9)

STORM AND GRADING MATERIAL SPECIFICATIONS

1. STORM SEWER PIPE
 - *CORRUGATED METAL PIPE n=0.012 (CMP) PER W.S.D.O.T. 9-05.9
 - *CONCRETE PIPE PER W.S.D.O.T. 9-05.7(1) & 9-05.7(2) n=0.012
 - *CORRUGATED HIGH DENSITY POLYETHYLENE PIPE. WSDOT 9-05.20
2. PIPE BEDDING: W.S.D.O.T. 9-03.12(3) GRAVEL BACKFILL FOR PIPE BEDDING.
3. INITIAL BACKFILL: NATIVE MATERIAL OBTAINED FROM EXCAVATION PER W.S.D.O.T. 7-08.3(3)
4. REMAINING BACKFILL: NATIVE MATERIAL OBTAINED FROM EXCAVATION PER W.S.D.O.T. 2-09.3(1)E.
5. RIP-RAP: W.S.D.O.T. 9-13.1, LOOSE RIPRAP IN SIZES RANGING FROM 3" TO 1/3 CUBIC FOOT.
6. PAVEMENT SECTION: HOT MIX ASPHALT, W.S.D.O.T. 5-04 TOP COURSE, W.S.D.O.T. 9-03.9(3) BASE COURSE, W.S.D.O.T. 9-03.10



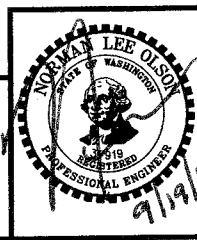
- NOTES:**
1. TOP OF GUARD POST TO BE LEVEL WITH TOP OF HYDRANT WHEN DIRECTED.
 2. GUARD POST INSTALLED ONLY WHEN DIRECTED.
 3. FLANGED PIPE OR JOINT IN DETAIL A MAY BE USED BETWEEN GATE VALVE & HYDRANT W/FLANGED FITTINGS AND ELIMINATE TIE RODS.
 4. STEEL TIE RODS TO BE GALVANIZED.
 5. 5" STORZ PUMP CONNECTION REQUIRED.

**HYDRANT ASSEMBLY
NOT TO SCALE**

REVISIONS

NO.	DATE	BY	DESCRIPTION	DESIGNED	RPJ	9/12
				DRAWN	JAT	9/12
				CHECKED	NLOI	9/12
				APPROVED		
				ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



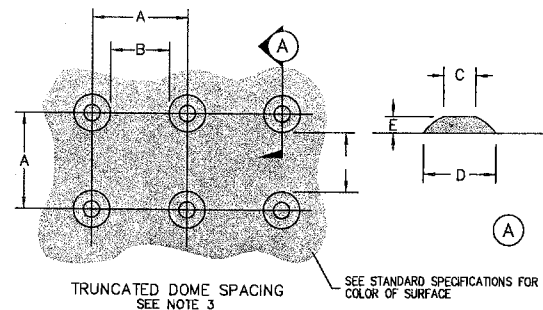
MISC NOTES AND DETAILS 1

**City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail**
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

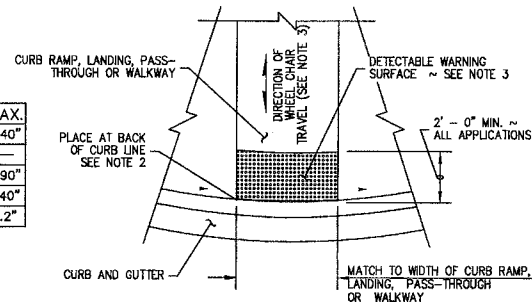
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407240
SHEET C8.0

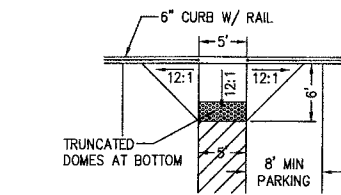


TRUNCATED DOME DETAILS

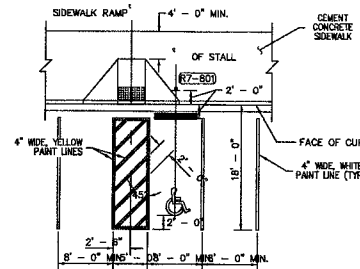
	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	—
C	0.45"	0.90"
D	0.9"	1.40"
E	0.2"	0.2"



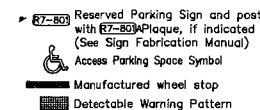
DETECTABLE WARNING SURFACE DETAIL



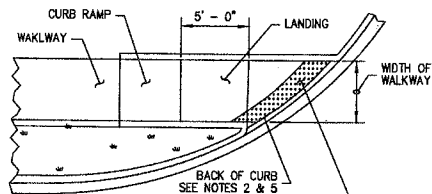
ALTERNATIVE REPLACEMENT RAMP
MARINA PARK AREA



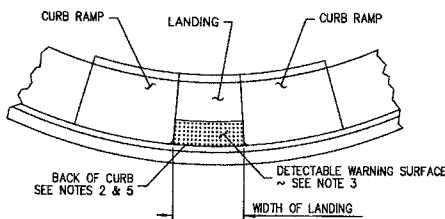
1. AN ACCESS PARKING SPACE SYMBOL IS REQUIRED FOR EACH ACCESSIBLE PARKING STALL. A BLUE BACKGROUND AND WHITE BORDER ARE REQUIRED WHEN THE SYMBOL IS INSTALLED ON A CEMENT CONCRETE SURFACE.
2. ALL ACCESSIBLE STALLS SHALL HAVE WHEEL STOPS. PLACE WHEEL STOPS IN OTHER STALLS WHEN SPECIFIED IN THE CONTRACT. WHEEL STOPS SHALL BE APPROXIMATELY 6" HIGH AND A MINIMUM OF 6' LONG.
3. REFER TO THE STANDARD PLANS FOR SIDEWALK RAMP, DETECTABLE WARNING PATTERN, AND CURB DETAILS.



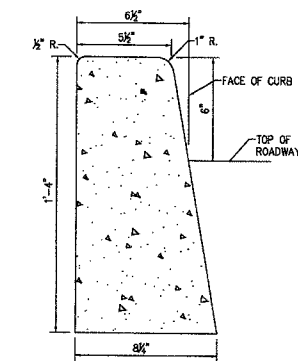
A
C8.1 **PARKING SPACE LAYOUTS**
WSDOT STD PLAN M-17.10-02



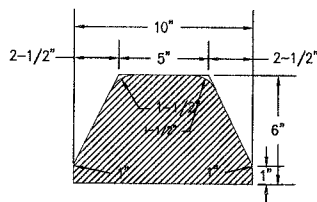
SINGLE DIRECTION CURB RAMP



PARALLEL CURB RAMP



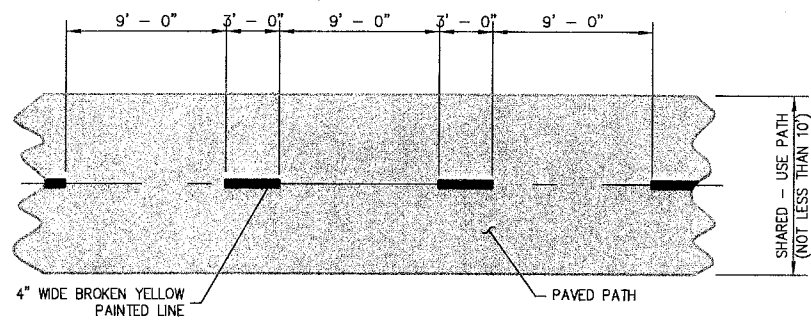
CONCRETE CURB
WSDOT STD PLAN F-10-12.00



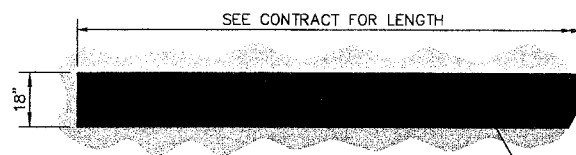
TYPE 6
EXTRUDED CURB
WSDOT STD PLAN F-10-42.00

NOTES

1. The Detectable Warning Surface shall extend the full width of the curb ramp (exclusive of flares) or the landing.
2. The edge of the Detectable Warning Surface shall be placed along the back of the curb line.
3. The rows of truncated domes in a Detectable Warning Surface shall be parallel with the direction of wheel chair travel.
4. See **Standard Plans** for sidewalk and curb ramp details.
5. If a curb is not present, place the Detectable Warning Surface at the edge of the pavement.
6. If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from rail.



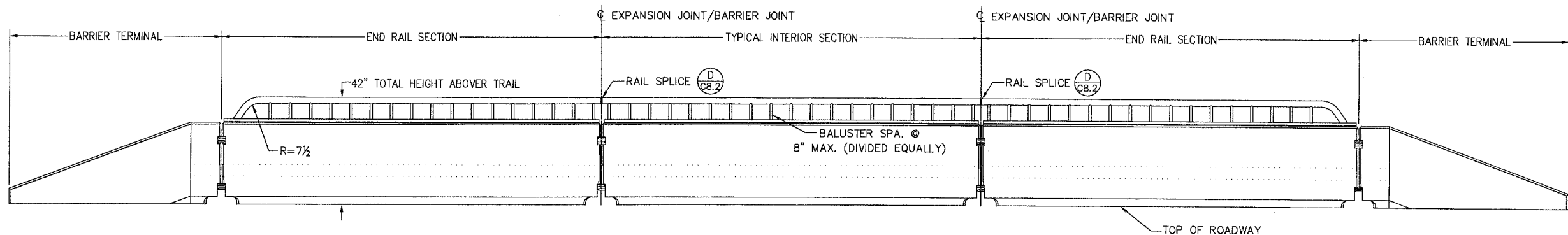
SHARED USE PATH MARKINGS
WSDOT STD PLAN M-9.60-00



BARRIER LINE
WSDOT STD PLAN M-20.10-02

NOTES

1. PIPE RAILING, PIPE RAILING SPLICES, COVER PLATES AND BOTTOM EXTRUDED CHANNELS SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
2. SHOP DRAWINGS OF RAILING SHALL BE SUBMITTED FOR APPROVAL SHOWING COMPLETE DIMENSIONS AND DETAILS OF FABRICATION AND INCLUDING AN ERECTION DIAGRAM. MATERIAL SPECIFICATIONS SHALL BE PROVIDED IN THE SHOP DRAWINGS FOR ALL COMPONENTS.
3. CUTTING SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE TRUE AND SMOOTH. FLAME CUTTING WILL NOT BE PERMITTED.
4. WELDING OF ALUMINUM SHALL CONFORM TO STD. SPEC. SECTION 9-28.14(3).
5. ALL ALUMINUM PARTS SHALL BE GIVEN A * [CLEAR OR BRONZE] ANODIC COATING OF AT LEAST 0.0008" THICK AND SEALED TO MEET THE REQUIREMENTS OF ASTM B 580 WITH A UNIFORM FINISH.
6. PIPE RAILING, PIPE BALUSTERS AND PIPE RAILING SPLICES SHALL BE ADEQUATELY WRAPPED TO INSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION TO THE JOB SITE.



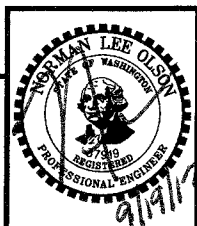
CONCRETE BARRIER TYPE 2 WITH GUARD HANDRAIL

REVISIONS

NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOJ	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



MISC NOTES AND DETAILS 2

City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

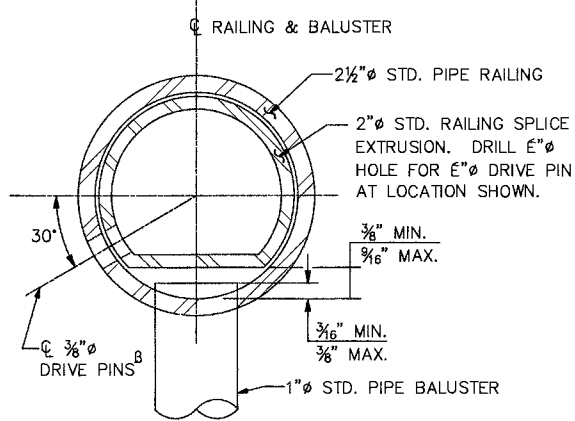
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407241
SHEET C8.1

C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 FINAL TRAIL REV17337 \$\$.DWG DETAILS.dwg, 9/14/2012 3:46:03 PM, jthomson, \\NLO\DC\7337\Doc\73370



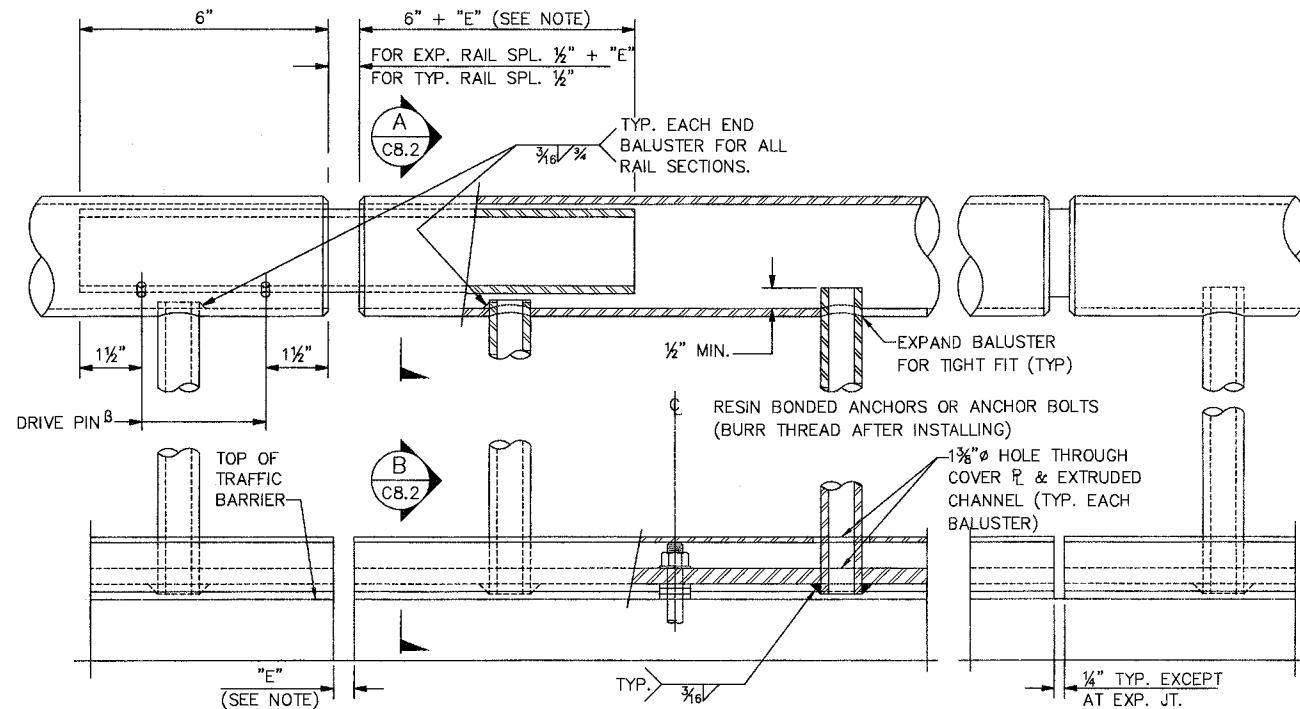
(A) RAIL SPLICE DETAIL
C8.2 OPTION #1

B LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.

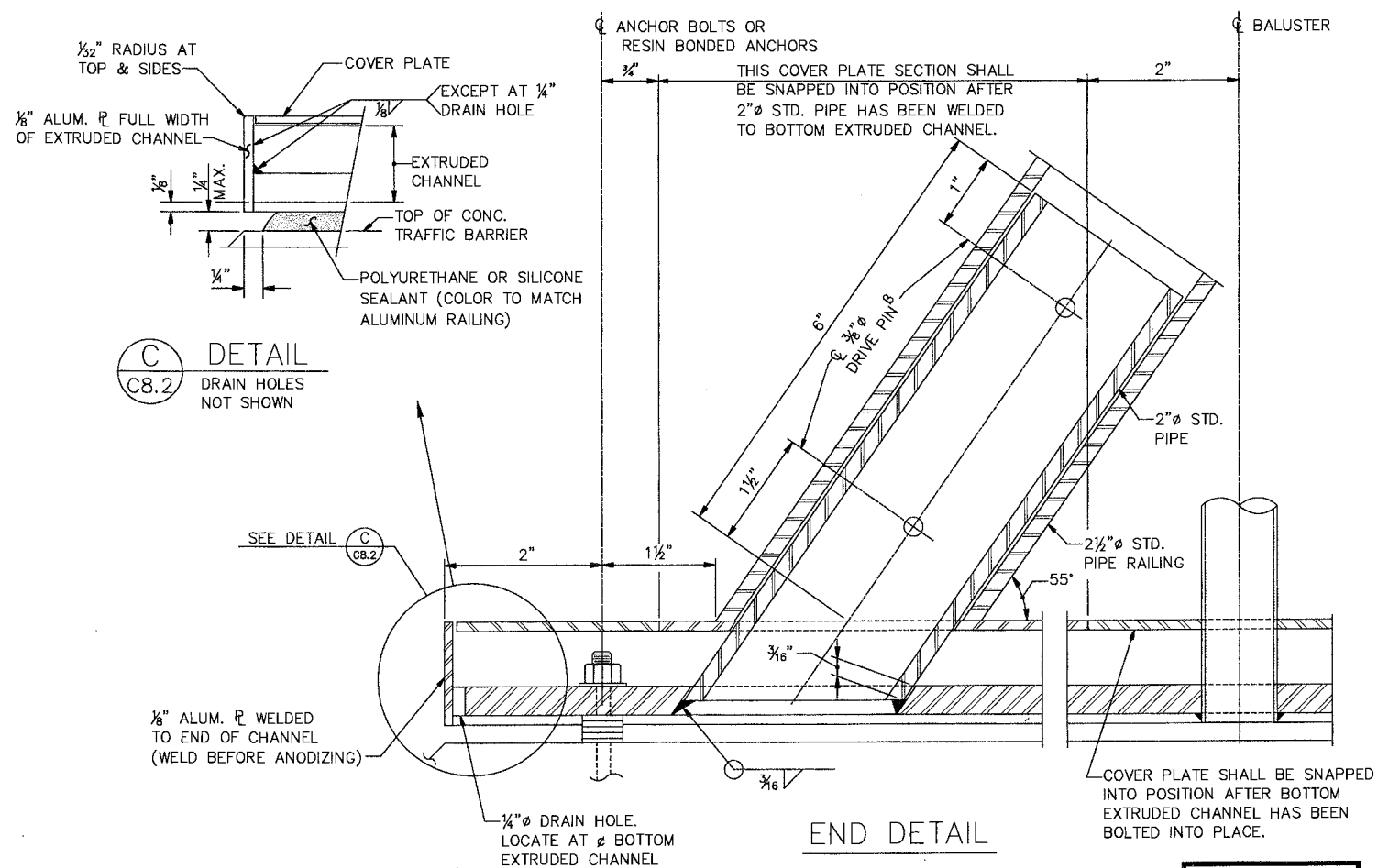
PROVIDE EXPANSION RAIL SPLICE AT TRAFFIC BARRIER EXPANSION JOINTS OR BETWEEN BARRIER SECTIONS. RAIL SPLICE JOINTS ARE NOT REQUIRED AT TRAFFIC BARRIER DUMMY JOINTS.

LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.

NOTE:
"E" DIMENSION SHALL BE EQUAL TO OPENING OF TRAFFIC BARRIER EXPANSION JOINTS.

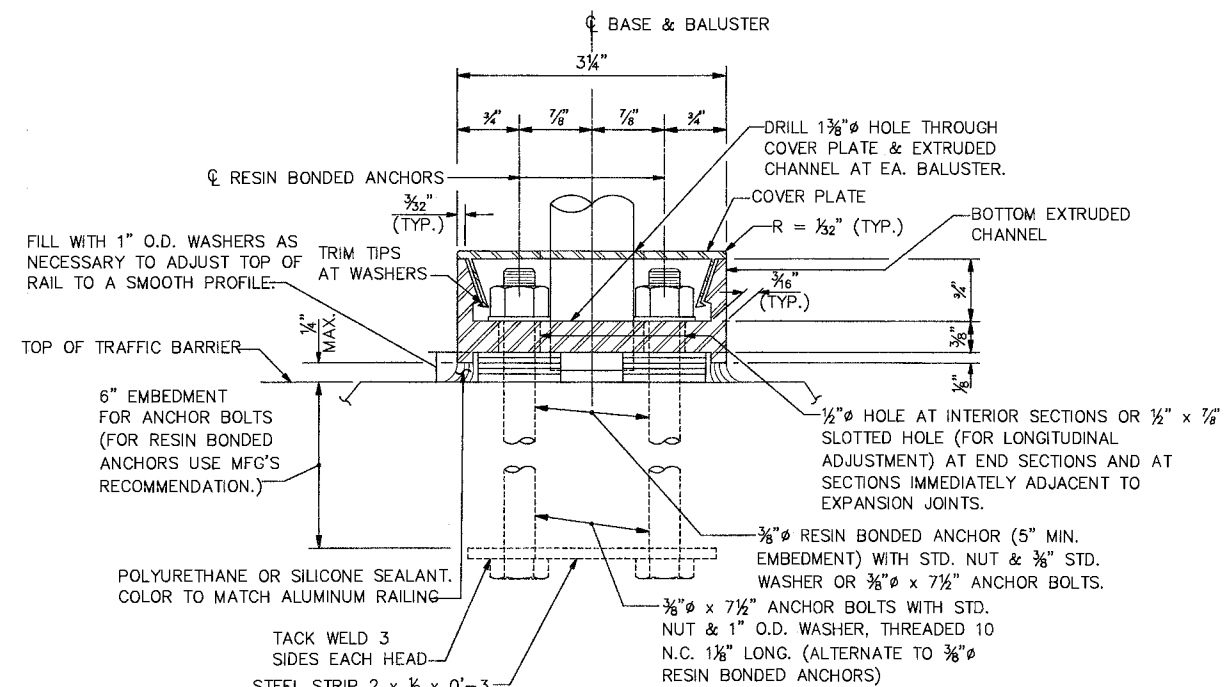


(D) RAIL SPLICE
C8.2



(C) DETAIL
C8.2 DRAIN HOLES NOT SHOWN

END DETAIL



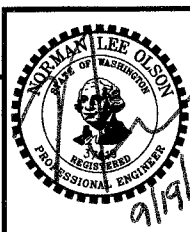
(B) ANCHOR BOLT DETAIL
C8.2

ANCHOR BOLTS SHALL BE POSITIONED IN A JIG DURING WELDING.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

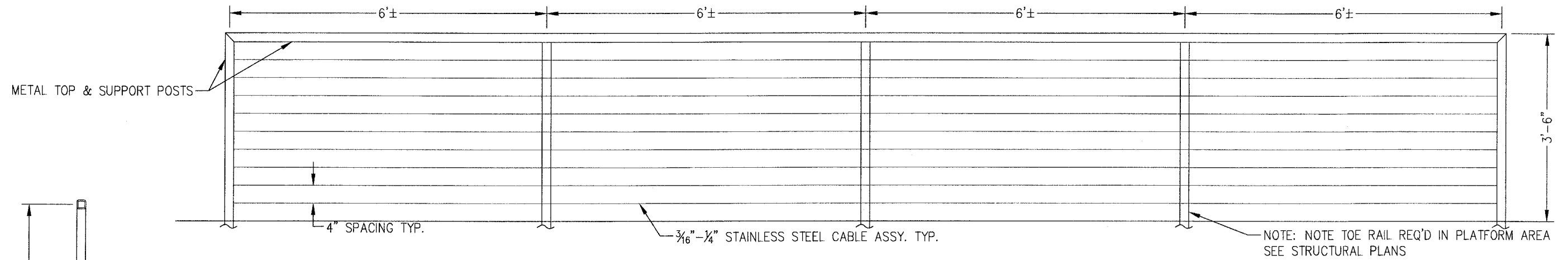
BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

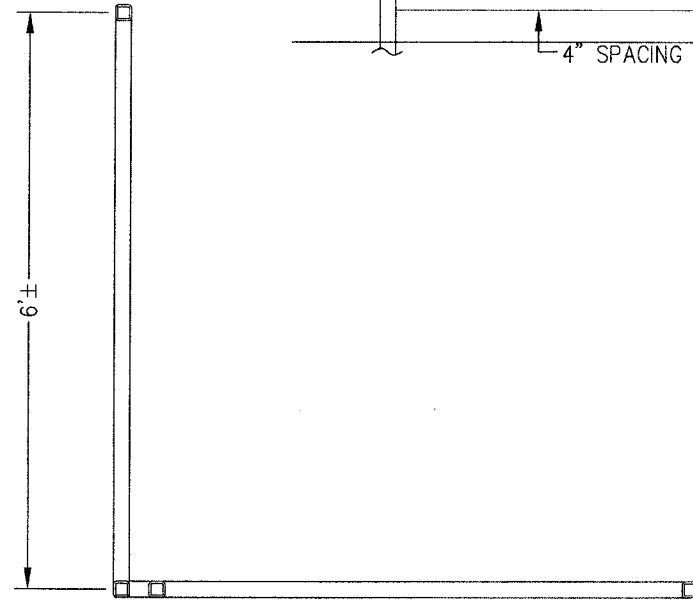


MISC NOTES AND DETAILS 3
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

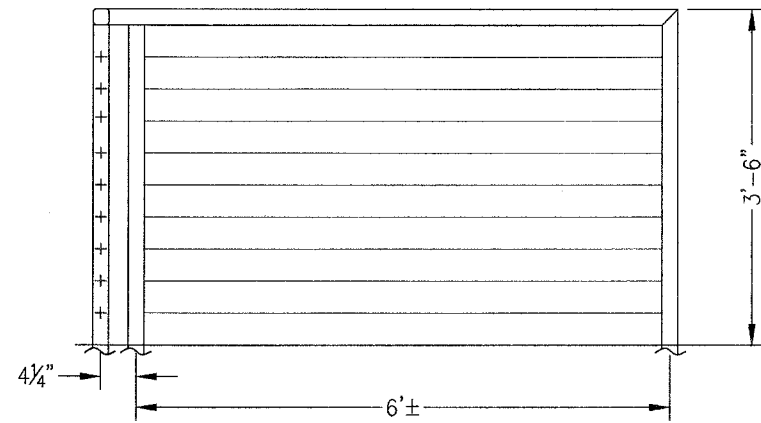
FOR:	City of Port Orchard 216 Prospect Street Port Orchard, WA 98366	SCALE: N.T.S.
		DATE: Sep. 12, 2012
		DRAWING NUMBER 097337-407242
		SHEET C8.2



42" GUARD BRIDGE RAILING TYPICAL DETAIL (SEE SPECIAL PROVISIONS)
SCALE 1"=1'



42" GUARD BRIDGE RAILING CORNER SECTION
SCALE 1"=1'

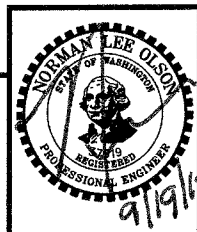


REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



MISC NOTES AND DETAILS 4

City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407243
SHEET C8.3

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

THE FOLLOWING EROSION AND SEDIMENTATION CONTROL NOTES APPLY TO ALL CONSTRUCTION SITE ACTIVITIES AT ALL TIMES, UNLESS OTHERWISE SPECIFIED ON THESE PLANS:

- APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL PLAN DOES NOT CONSTITUTE AN ACCEPTANCE OF THE PERMANENT ROAD OR DRAINAGE DESIGN.
- THE OWNER AND HIS/HER CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PREVENTING SILT-LADEN RUNOFF FROM DISCHARGING FROM THE PROJECT SITE. FAILURE BY THE OWNER AND/OR CONTRACTOR CAN RESULT IN A FINE. THE DESIGNATED TEMPORARY CONTACT PERSON NOTED ON THIS PLAN MUST BE AVAILABLE FOR CONTACT BY TELEPHONE ON A 24 HOUR BASIS THROUGHOUT CONSTRUCTION AND UNTIL THE PROJECT HAS BEEN COMPLETED AND ACCEPTED BY THE CITY.
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE CITY OF PORT ORCHARD AND/OR CONTRACTOR FROM THE BEGINNING OF CONSTRUCTION UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE CITY AND THE SITE IS STABILIZED.
- PRIOR TO BEGINNING ANY WORK ON THE PROJECT SITE, A PRE-CONSTRUCTION CONFERENCE MUST BE HELD, AND SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, REPRESENTATIVES FROM THE AFFECTED UTILITIES, AND REPRESENTATIVES OF WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND CITY OF PORT ORCHARD.
- THE EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN ARE TO BE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THIS PLAN MAY BE NECESSARY IN ORDER TO MAINTAIN WATER QUALITY. MINOR DEPARTURES FROM THIS PLAN ARE PERMITTED SUBJECT TO THE APPROVAL OF THE CITY INSPECTOR. HOWEVER, EXCEPT FOR EMERGENCY SITUATIONS, ALL OTHER DEVIATIONS FROM THIS PLAN MUST BE DESIGNED BY THE PROJECT ENGINEER AND APPROVED BY WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE CITY OF PORT ORCHARD.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER AND/OR CONTRACTOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. ALL SEDIMENT MUST BE REMOVED FROM THE SILT FENCES, STRAW BALES, SEDIMENT PONDS, ETC. PRIOR TO THE SEDIMENT REACHING 1/2 ITS MAXIMUM POTENTIAL DEPTH.
- AT NO TIME SHALL CONCRETE, CONCRETE BYPRODUCTS, VEHICLE FLUIDS, PAINT, CHEMICALS, OR OTHER POLLUTING MATTER BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, OR TO DISCHARGE FROM THE PROJECT SITE.
- PERMANENT DETENTION/RETENTION PONDS, PIPES, TANKS OR VAULTS MAY ONLY BE USED FOR SEDIMENT CONTAINMENT WHEN SPECIFICALLY INDICATED ON THESE PLANS.

TEMPORARY & PERMANENT HYDROSEEDING

- ALL AREAS CLEARED OR OTHERWISE DISTURBED SHALL BE APPROPRIATELY STABILIZED IN ACCORDANCE WITH THE NOTES & DETAILS SPECIFIED HEREWITH, AND THE TIMES SPECIFIED BY SECTION 8-01.3 OF THE CURRENT EDITION OF THE W.S.D.O.T. STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
 - MINIMUM 80 LBS./ACRE MIXTURE OF THE FOLLOWING:
 - 15% KENTUCKY BLUEGRASS
 - 40% TALL FESCUE
 - 30% PERENNIAL RYE
 - 15% CHEWINGS FESCUE
 - FERTILIZER - 400 LBS./ACRE OF 10-20-20
 - MULCH - 2000 LBS./ACRE
- PERMANENT HYDROSEEDING - IN AREAS NOT INCLUDED WITHIN THE PROJECT BOUNDARY OR NOT INCLUDED IN THE PROPOSED LANDSCAPE PLAN SHALL ADHERE TO THE FOLLOWING SPECS:
 - MINIMUM 80 LBS./ACRE MIXTURE OF THE FOLLOWING:
 - 15% KENTUCKY BLUEGRASS
 - 40% TALL FESCUE
 - 30% PERENNIAL RYE
 - 15% CHEWINGS FESCUE
 - FERTILIZER - 400 LBS./ACRE OF 10-20-20
 - MULCH - 2000 LBS./ACRE
- TEMPORARY HYDROSEEDING - IN ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL RECEIVE PERMANENT LANDSCAPING SHALL BE SEEDING WITH ANNUAL RYE GRASS AS REQUIRED TO PRODUCE A SUITABLE TEMPORARY GROUND COVER.

DRAINAGE NOTES

- THE CONTRACTOR SHALL ENSURE THAT THE DRAINAGE IS INSTALLED AND OPERATIONAL PRIOR TO COMMENCEMENT OF PAVING WORK.
- ALL STEEL PIPE AND PARTS SHALL BE GALVANIZED. ALL SUBMERGED STEEL PIPES AND PARTS SHALL BE GALVANIZED AND HAVE ASPHALT TREATMENT #1 OR BETTER.
- IN THE EVENT ASBESTOS CEMENT PIPE IS ENCOUNTERED, THE CONTRACTOR SHALL PROVIDE PROTECTIVE CLOTHING AND EQUIPMENT TO CREWS WORKING WITH ASBESTOS CEMENT PIPE IN ORDER TO ENSURE WORKERS EXPOSURE TO ASBESTOS MATERIALS IS AT OR BELOW THE LIMIT PRESCRIBED IN WAC 296-62-07705.

MINIMUM EROSION AND SEDIMENTATION CONTROL REQUIREMENTS

- STABILIZATION AND SEDIMENT TRAPPING.** ALL EXPOSED AND UNWORKED SOILS, INCLUDING SOIL STOCKPILES, SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMP'S WHICH PROTECT SOIL FROM THE EROSIIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO VEGETATIVE ESTABLISHMENT, MULCHING, PLASTIC COVERING, AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.
- AT ALL TIMES OF THE YEAR, THE CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS, EQUIPMENT AND LABOR ON-SITE TO STABILIZE AND PREVENT EROSION FROM ALL DENUDE AREAS WITHIN 12-HOURS AS SITE AND WEATHER CONDITIONS DICTATE.
- FROM OCTOBER 1ST TO APRIL 30TH, THE PROJECT ENGINEER SHALL VISIT THE DEVELOPMENT SITE A MINIMUM OF ONCE PER WEEK FOR THE PURPOSE OF INSPECTING THE EROSION AND SEDIMENTATION CONTROL FACILITIES, REVIEWING THE PROGRESS OF CONSTRUCTION, AND VERIFYING THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES BEING UNDERTAKEN. THE PROJECT ENGINEER SHALL IMMEDIATELY INFORM THE CITY DIRECTOR OF PUBLIC WORKS & WSDOT (IF REQUIRED) OF ANY PROBLEMS OBSERVED DURING SAID SITE VISITS, AS WELL AS OF ANY RECOMMENDED CHANGES IN THE EROSION CONTROL MEASURES TO BE UNDERTAKEN. WHEN REQUESTED BY THE CITY OR WSDOT THE PROJECT ENGINEER SHALL PROVIDE THE CITY OR WSDOT WITH WRITTEN RECORDS OF SAID WEEKLY SITE VISITS, INCLUDING DATES OF VISITS AND NOTED SITE OBSERVATIONS.
- IN THE EVENT THAT THE GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, THE CITY OR STATE MAY ISSUE A STOP WORK ORDER FOR THE ENTIRE PROJECT UNTIL SATISFACTORY CONTROLS ARE PROVIDED. IN ADDITION, THE CITY OF PORT ORCHARD WILL BE SUBJECT TO THE PENALTIES PROVIDED IN CITY OF PORT ORCHARD STORMWATER ORDINANCE AND APPLICABLE STATE REGULATIONS.
- IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, AND THE CITY OR STATE IS UNSUCCESSFUL IN CONTACTING THE CITY OF PORT ORCHARD OR HIS/HER DESIGNATED EMERGENCY CONTACT PERSON, THE CITY OR STATE MAY ENTER THE PROJECT SITE AND INSTALL TEMPORARY GROUND COVER MEASURES AND BILL THE OWNER FOR ALL EXPENSES INCURRED BY THE CITY OR STATE. THESE COSTS WILL BE IN ADDITION TO ANY MONETARY PENALTIES LEVIED AGAINST THE OWNER.
- DELINEATION OF CLEARING AND EASEMENT LIMITS.** CLEARING LIMITS, SETBACKS, BUFFERS AND SENSITIVE OR CRITICAL AREAS SUCH AS STEEP SLOPES, WETLANDS AND RIPARIAN CORRIDORS SHALL BE CLEARLY MARKED IN THE FIELD AND INSPECTED BY THE CITY OF PORT ORCHARD AND WSDOT PRIOR TO COMMENCEMENT OF LAND CLEARING ACTIVITIES.
- PROTECTION OF ADJACENT PROPERTIES.** ADJACENT PROPERTIES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION BY APPROPRIATE USE OF VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES OR MULCHING, OR BY A COMBINATION OF THESE MEASURES AND OTHER APPROPRIATE BMP'S.
- TIMING AND STABILIZATION OF SEDIMENT TRAPPING MEASURES.** SEDIMENT PONDS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER BMP'S INTENDED TO TRAP SEDIMENT ON-SITE SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMP'S SHALL BE FUNCTIONAL BEFORE ANY DISTURBING ACTIVITIES TAKE PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE STABILIZED ACCORDING TO THE TIMING INDICATED IN ITEM (1) ABOVE.
- SLOPE STABILIZATION, CUT AND FILL SLOPES SHALL BE CONSTRUCTED** IN A MANNER THAT WILL MINIMIZE EROSION. ROUGHENED SOIL SURFACES ARE PREFERRED TO SMOOTH SURFACES. INTERCEPTORS SHOULD BE CONSTRUCTED AT THE TOP OF LONG, STEEP SLOPES WHICH HAVE SIGNIFICANT AREAS ABOVE THAT CONTRIBUTE RUNOFF. CONCENTRATED RUNOFF SHOULD NOT BE ALLOWED TO FLOW DOWN THE FACE OF A CUT OR FILL SLOPE UNLESS CONTAINED WITHIN AN ADEQUATE CHANNEL OR PIPE SLOPE DRAIN. WHEREVER A SLOPE CROSSES A WATER SEEPAGE PLANE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHOULD BE PROVIDED. IN ADDITION, SLOPES SHOULD BE STABILIZED IN ACCORDANCE WITH ITEM (1) ABOVE.
- CONTROLLING OFF-SITE EROSION.** PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE DEVELOPMENT SITE BY THE IMPLEMENTATION OF APPROPRIATE BMP'S TO MINIMIZE ADVERSE DOWNSTREAM IMPACTS.

CONSTRUCTION SEQUENCE

- APPLY FOR AND PICK UP ANY REQUIRED ROAD APPROACH, OR RIGHT OF WAY PERMITS FROM THE CITY OF PORT ORCHARD.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S).
- CONSTRUCT FILTER FENCE BARRIERS.
- CONSTRUCT SEDIMENTATION BASINS.
- CONSTRUCT RUNOFF INTERCEPTION AND DIVERSION DITCHES.
- CLEAR AND GRADE THE MINIMUM SITE AREA REQUIRED FOR CONSTRUCTION OF THE VARIOUS PHASES OF WORK.
- PROVIDE TEMPORARY HYDROSEEDING OR OTHER SOURCE CONTROL STABILIZATION MEASURES ON ALL DISTURBED SOILS.
- MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL FACILITIES TO PROVIDE THE REQUIRED PROTECTION OF DOWNSTREAM WATER QUALITY.
- PROVIDE PERMANENT SITE STABILIZATION.
- EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY THE CITY OF PORT ORCHARD.

INSPECTION SCHEDULE

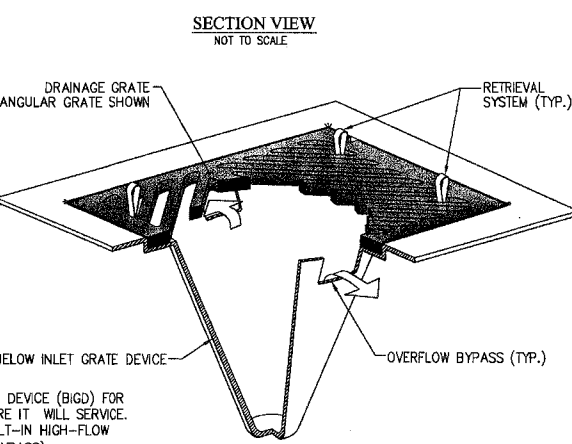
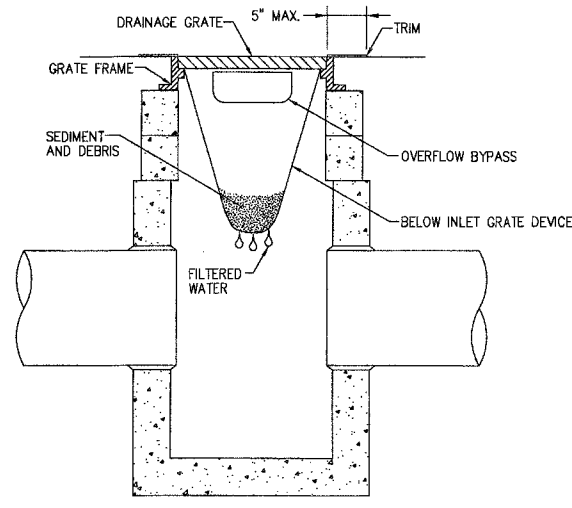
- THE CONTRACTOR SHALL NOTIFY CITY OF PORT ORCHARD & WASHINGTON STATE DEPARTMENT OF TRANSPORTATION TO ARRANGE FOR INSPECTION OF THE VARIOUS PHASES OF WORK CHECKED BELOW. ALL INSPECTIONS SHALL BE COMPLETED PRIOR TO PROCEEDING WITH THE NEXT PHASE OF WORK.
 - LOCATION OF THE ROAD APPROACH
 - CLEARING LIMITS
 - IMPLEMENTATION OF THE VARIOUS PHASES OF THE EROSION AND SEDIMENTATION CONTROL PLAN
 - PLACEMENT OF DRAINAGE STRUCTURES PRIOR TO BACK FILLING, INCLUDING POND EMBANKMENTS
 - PRIOR TO PLACEMENT OF THE DETENTION OUTLET CONTROL STRUCTURE
 - INSPECTION OF PREPARED SUB-GRADE
 - INSPECTION OF GRAVEL BASE PLACEMENT
 - INSPECTION OF CRUSHED SURFACING PLACEMENT
 - INSPECTION OF FINE-GRADING PRIOR TO PAVING
 - INSPECTION OF PAVING OPERATIONS
 - FINAL INSPECTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND SHALL ENSURE THAT CONSTRUCTION IS ACCEPTABLE TO WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND CITY OF PORT ORCHARD.
- IF INSPECTION IS NOT CALLED FOR PRIOR TO COMPLETION OF ANY ITEM OF WORK SO DESIGNATED, SPECIAL DESTRUCTIVE AND/OR NON-DESTRUCTIVE TESTING PROCEDURES MAY BE REQUIRED TO ENSURE THE ACCEPTABILITY OF THE WORK. IF SUCH PROCEDURES ARE REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TESTING AND/OR RESTORATION OF THE WORK.

GENERAL NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY WSDOT, APWA AND AS ADOPTED BY THE CITY OF PORT ORCHARD.
- ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY AND/OR WSDOT PRIOR TO IMPLEMENTATION IN THE FIELD.
- THE CONTRACTOR SHALL MAINTAIN A SET OF ACCEPTED CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS (IF APPLICABLE) FROM WSDOT OR THE CITY PRIOR TO COMMENCING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION ALONGSIDE OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC FLOW ON EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS PERMISSION IS OBTAINED FROM THE CITY FOR ROAD CLOSURE AND/OR DETOURS.
- THE LOCATIONS OF EXISTING UTILITIES ON THIS PLAN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT THE "UNDERGROUND LOCATE" CENTER AT PH: 1-800-424-5555, AND NON-SUBSCRIBING INDIVIDUAL UTILITY COMPANIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF EXISTING UTILITIES FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS.
- ROCKERIES OR OTHER RETAINING STRUCTURE EXCEEDING 4 FT. IN HEIGHT REQUIRES A SEPARATE PERMIT FROM THE CITY OF PORT ORCHARD BUILDING DEPARTMENT.

T. E. S. C. MAINTENANCE REQUIREMENTS

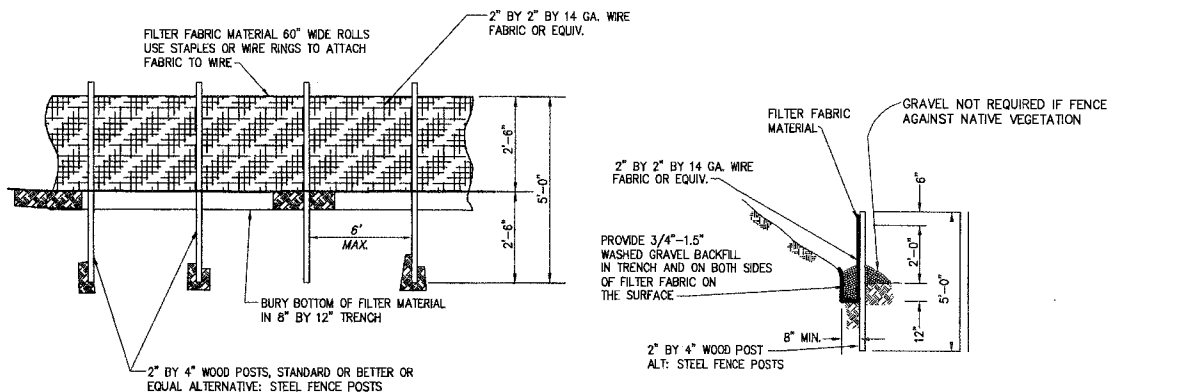
- EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH STORM EVENT AND DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS OR REPLACEMENT OF FACILITIES SHALL BE ACCOMPLISHED WITHIN 24 HOURS.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF OF THE MAXIMUM POTENTIAL DEPTH.
- SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC FACILITIES ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED BY:
 - TO BE DETERMINED AT PRECONSTRUCTION MEETING
 - EMERGENCY PHONE NUMBER
 - THE OWNER'S REPRESENTATIVE SHALL BE:
 - TO BE DETERMINED AT PRECONSTRUCTION MEETING
 - EMERGENCY PHONE NUMBER



NOTES:

- SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVE.
- THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
- THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
- PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).

STORM DRAIN INLET PROTECTION DETAIL
NOT TO SCALE



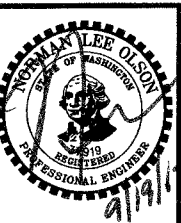
SILT FENCE
NOT TO SCALE
(BMP E3.10)
SEE WSDOT STD PLAN 1-30.10-00

C:\projects\7337_MOSQUITO FLEET TRAIL.dwg 9/13/2012 4:26:46 PM jphanson V:\DCS\A\Doc 126762

REVISIONS

NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



TESC NOTES AND DETAILS
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
216 Prospect Street
Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER: **097337-407242**
SHEET C8.4

GENERAL STRUCTURAL NOTES

BUILDING CODE:

2009 EDITION OF THE INTERNATIONAL BUILDING CODE, AS AMENDED BY CITY OF PORT ORCHARD AND THE 2012 WSDOT STANDARD SPECIFICATIONS.

ALL GRAVITY LOADS RESISTING AND LATERAL LOAD RESISTING STRUCTURAL MEMBERS ARE SHOWN ON THE ENGINEERING'S PAGES. THE ENGINEERING CALCULATIONS ARE NOT REQUIRED TO BE REFERENCED FOR CONSTRUCTION, AND DON'T NEED TO BE ONSITE.

CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS HAVE BEEN INSTALLED. ENGINEER AND DESIGNER SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY DISCREPANCIES AT THE TIME THEY ARE NOTED.

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITY LINES. CALL 1-800-424-5555 48 HOURS BEFORE DIGGING.

INFORM ENGINEER OF ALL CHANGES PROPOSED ON THE DRAWINGS OR SPECIFICATIONS PRIOR TO CONSTRUCTION OF THE CHANGE.

CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHOD, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY OF THE WORKERS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND FOR COORDINATING ALL PORTIONS OF THE WORK.

DRAWINGS SHALL BE USED FOR ONLY ONE CONSTRUCTION AND FOR LOCATIONS INDICATED HEREIN.

LOADS:

GROUND SNOW LOAD = 30 PSF
 FLOOR LIVE LOAD = 100 PSF.
 WIND LOAD = 85 MPH BASIC WIND SPEED, EXPOSURE B.
 SEISMIC DESIGN CATEGORY D₂

FOUNDATIONS:

ALL FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL OR APPROVED FILL 12" MINIMUM BELOW FINISHED GRADE. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE EXTENDING UP TO 5 FEET FROM WALL FOR PERIMETER FOOTINGS. DESIGN SOIL BEARING VALUE = 1,500 PSF.

WHERE REQUIRED BY THE BUILDING OFFICIAL, THE CLASSIFICATION AND INVESTIGATION OF THE SOIL SHALL BE PERFORMED BY A REGISTERED DESIGN PROFESSIONAL (1806.2) UNLESS A SOIL INVESTIGATION IS PROVIDED. FOUNDATION DESIGN IS BASED ON AN ASSUMED AVERAGE SOIL BEARING OF 1500 PSF. ORGANIC SILT, ORGANIC CLAYS, PEAT OR UNPREPARED FILL SHALL NOT BE ASSUMED TO HAVE A BEARING CAPACITY (1806.2).

THIS ENGINEERING IS BASED ON SITE CLASS D SOILS IN ACCORDANCE WITH TABLE 1613.5.2 OF THE 2009 IBC.

SITE GRADING: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 5 PERCENT FOR A MINIMUM OF 10 FEET (1804.3).

COMPACTED FILL MATERIAL SHALL NOT BE USED UNLESS ALLOWED BY A SOILS ENGINEERING REPORT (1803.5.8).

CONCRETE:

MINIMUM 28 DAY STRENGTH 4,000 PSI (f_c = 4,000 PSI), UNLESS OTHERWISE NOTED.

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO A.C.I. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATE ONLY AT TRENCHES, FLOOR DUCTS, TURNDOWNS, ETC. MINIMUM SLUMP 4-1/2" FOR CONCRETE WITHOUT PLASTICIZER. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (KEYED OR SAW CUT), AS SHOWN ON THE FOUNDATION PLAN, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 225 SQUARE FEET. KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT.

FLY ASH SHALL BE LIMITED TO 18% OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED. NO FLY ASH ADDITIVES SHALL BE USED IN FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE.

STRUCTURAL STEEL:

STRUCTURAL WIDE FLANGE SHAPES ARE TO BE ASTM A992 GRADE 50 (FY=50 KSI). STRUCTURAL PIPE IS TO BE ASTM A53 GRADE B (FY=35 KSI). ALL OTHER STRUCTURAL STEEL SHALL MEET ASTM A36 (FY=36 KSI).

WELDING

WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1 AND APPROVED BY THE ENGINEER OF RECORD. WELD FILLER FOR THIS PROJECT MUST MEET REQUIREMENTS FOR AN ORDINARY MOMENT FRAME CONSTRUCTION INCLUDING THE FOLLOWING:

- 1) WELD FILLER SHALL BE E70XX (FY=70 KSI).
- 2) WELD FILLER SHALL MEET CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0° F.

GROUT

ALL GROUT SHALL BE 5,000 PSI COMPRESSIVE STRENGTH (MINIMUM) AND NON-SHRINK.

REINFORCING:

REINFORCING STEEL SHALL BE ASTM A615 (FY = 60 KSI) DEFORMED BARS. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE BY THE STRUCTURAL ENGINEER. LATEST A.C.I. CODE AND DETAILING MANUAL SPECIFICATIONS APPLY. CLEAR CONCRETE COVERAGES ARE AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
EXPOSED TO EARTH OR WEATHER	
#6 OR LARGER	2"
#5 AND SMALLER	1 1/2"
ALL OTHER PER LATEST EDITION OF ACI 318.	

LAP SCHEDULE FOR REINFORCING STEEL

- 1. TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
- 2. UNLESS NOTED OTHERWISE, LAP SPLICES ON CONCRETE BEAMS, SLABS, WALLS, AND FOOTINGS SHALL BE CLASS "B" TENSION LAP SPLICES.
- 3. CONTACT STRUCTURAL ENGINEER IF CENTER TO CENTER SPACING OF REINFORCEMENT IS LESS THAN OR EQUAL TO 3 BAR DIAMETERS (<3db).

CLASS B TENSION SPLICE LENGTHS						
CONC. PSI	f _c =2,500/3000 PSI		f _c =4,000 PSI		f _c =5,000 PSI	
	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP
#3	>3db	>6db	>3db	>6db	>3db	>6db
#4	16"	16"	18"	18"	16"	16"
#5	22"	22"	28"	28"	19"	19"
#6	27"	27"	35"	35"	23"	23"
#7	35"	32"	48"	42"	31"	28"
#8	48"	38"	63"	49"	42"	33"
#9	63"	43"	82"	58"	55"	37"
#10	80"	48"	104"	83"	69"	42"
#11	102"	58"	132"	76"	88"	50"
	128"	71"	162"	93"	108"	62"

CONCRETE MINIMUM REINFORCEMENT:

THE FOLLOWING MINIMUM REINFORCEMENT SHALL BE PROVIDED UNLESS NOTED OTHERWISE ON THE DRAWING:

- 1. PROVIDE HORIZONTAL CORNER BARS AT ALL FOOTING AND WALL CORNERS, AND HOOK BARS FOR T INTERSECTIONS WITH EQUAL SIZE AND SPACING OF THE HORIZONTAL REINFORCING USING THE INDICATED DETAILS OF SIMILAR SECTIONS AND DETAILS AS TYPICAL.
- 2. PROVIDE ONE #4 VERTICAL BAR - FULL HEIGHT OF WALL AT THE CORNER OR T INTERSECTION.
- 3. PROVIDE A MINIMUM OF 0.2% REINFORCEMENT OF GROSS CONCRETE AREA OF WALL IN HORIZONTAL DIRECTION AND 0.12% IN VERTICAL DIRECTION. MAXIMUM REBAR SPACING IS 18" O.C. IN EACH DIRECTION.
- 4. PROVIDE A MINIMUM #4 BARS AT 12" ON CENTER IN ISOLATED FOOTINGS.
- 5. PROVIDE REINFORCING CHAIRS IN ACCORDANCE WITH THE CRSI PLACING MANUAL.
- 6. PROVIDE WWF 6X6X10X10 FOR 4" SLAB.
- 7. PROVIDE CONSTRUCTION JOINT AT 20' MAXIMUM UNLESS NOTED OTHERWISE (SAW CUT 25% OF SLAB THICKNESS).

SPECIAL INSPECTIONS

THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED PER CHAPTER 17 OF THE 2009 INTERNATIONAL BUILDING CODE TO BE PERFORMED BY AN INDEPENDENT THIRD PARTY INSPECTOR.

STEEL

- 1) PERIODIC INSPECTION OF HIGH STRENGTH BOLTING.

WELDING

- 1) PERIODIC INSPECTION OF DECK WELDS.
- 2) PERIODIC INSPECTION OF FIELD WELDING.
- 3) MATERIAL VERIFICATION OF WELD FILLER MATERIALS.

ANCHORAGE

- 1) PERIODIC INSPECTION OF POST INSTALLED (EPOXY OR MECHANICAL) ANCHORAGE.
- 2) CONTINUOUS INSPECTION OF POST INSTALLED (EPOXY OR MECHANICAL) ANCHORAGE FOR USE WITH TENSION APPLICATIONS.

CONCRETE

- 1) VERIFICATION OF HIGH STRENGTH ANCHORAGE PRIOR TO POUR.
- 2) VERIFICATION OF CONCRETE STRENGTH > 2500 PSI.

HELICAL ANCHORS

- 1) PERIODIC TESTING OF TENSION APPLICATION
- 2) CONTINUOUS MONITORING OF COMPRESSION APPLICATIONS.

POST INSTALLED ANCHORS

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

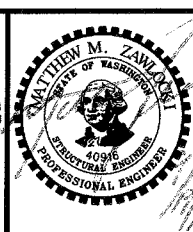
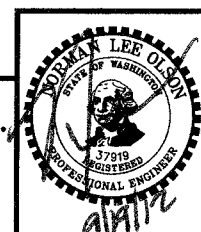
ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC308. PRE-APPROVED ADHESIVE ANCHORS INCLUDE: SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)

MECHANICAL ANCHORS SHALL BE SIMPSON TITEN HD OR EQUAL.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

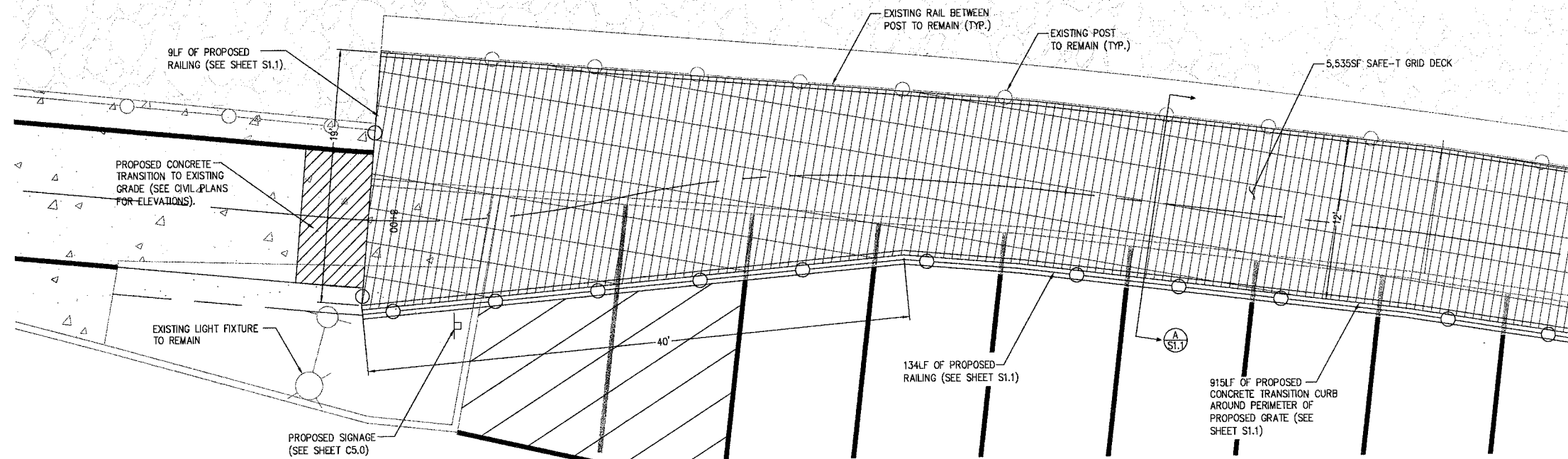
BY	DATE
DESIGNED NMZ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

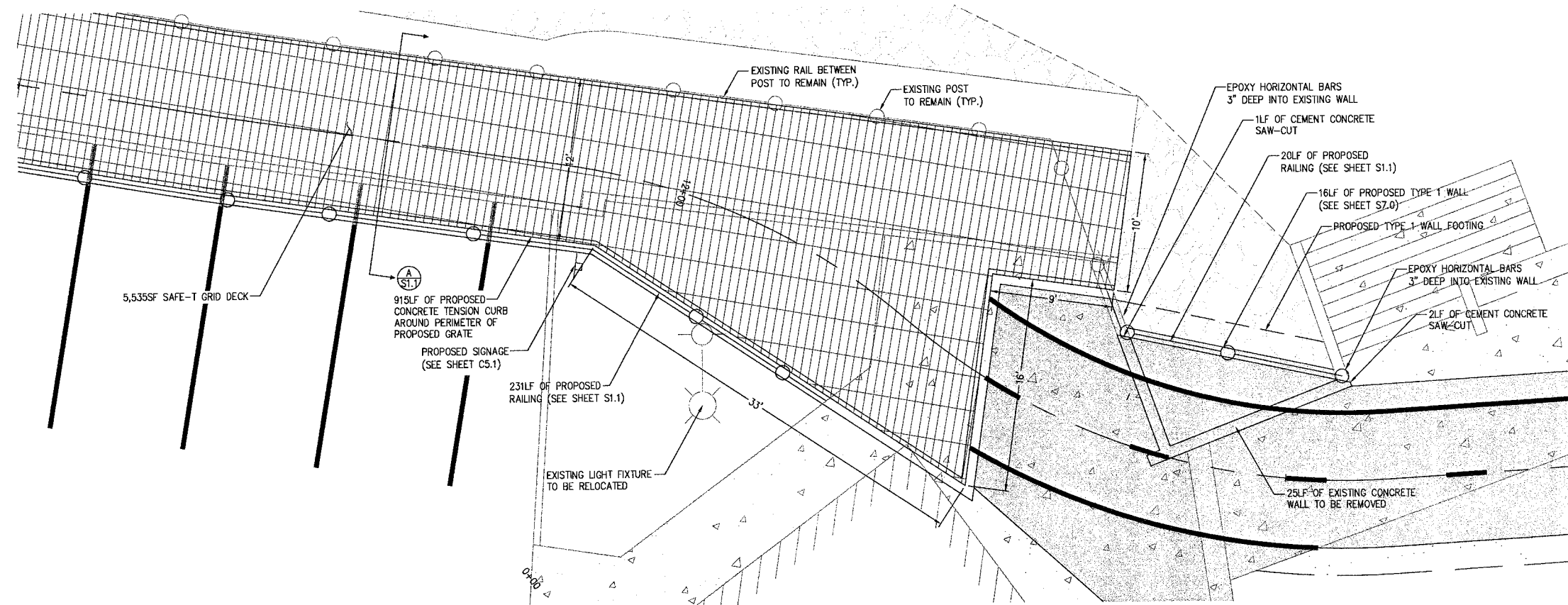


STRUCTURAL NOTES
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:	SCALE: NONE
City of Port Orchard	DATE: Sep. 12, 2012
216 Prospect Street	DRAWING NUMBER
Port Orchard, WA 98366	097337-407245
	SHEET S0.1



BOARDWALK DECKING PLAN STA: 7+98 TO 8+88
SCALE 1"=5'

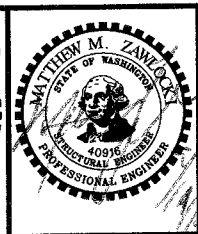
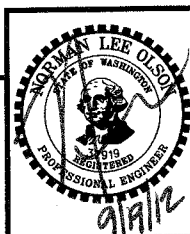


BOARDWALK DECKING PLAN STA: 11+50 TO 12+26
SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

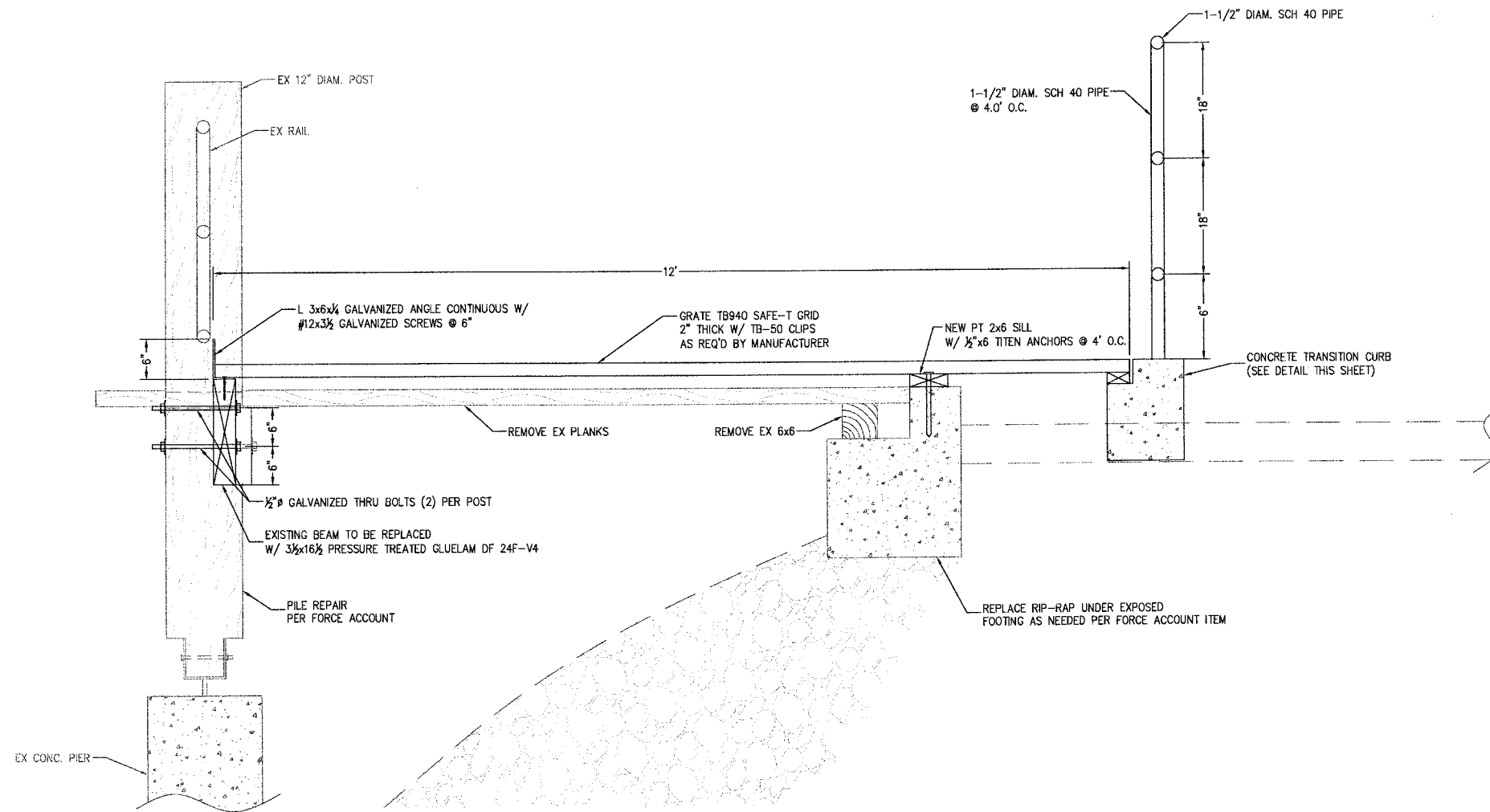


MARINA BOARDWALK DECKING PLANS
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

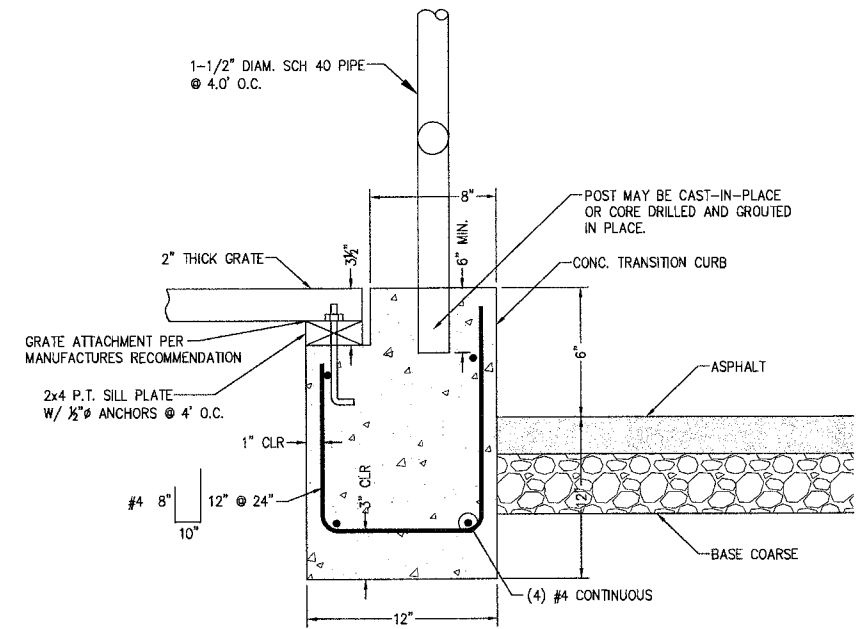
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"=5'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407246
SHEET S1.0



A MARINA BOARDWALK SECTION
SI.1 SCALE 1"=1'

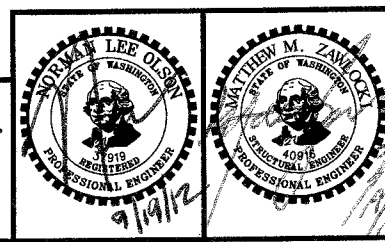


CONCRETE TRANSITION CURB
 N.T.S.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
MMZ	MMZ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

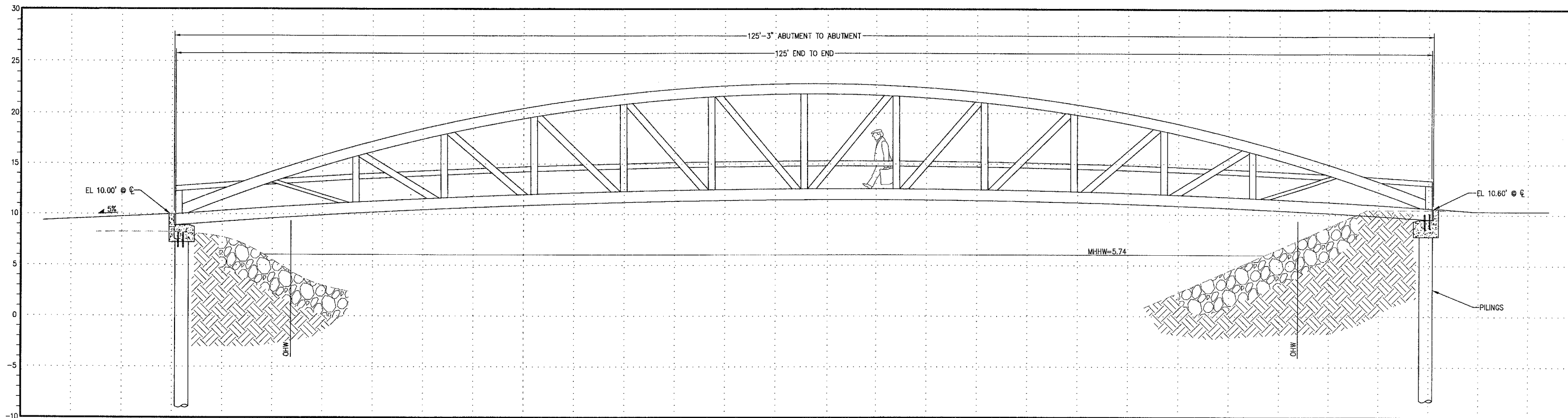
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



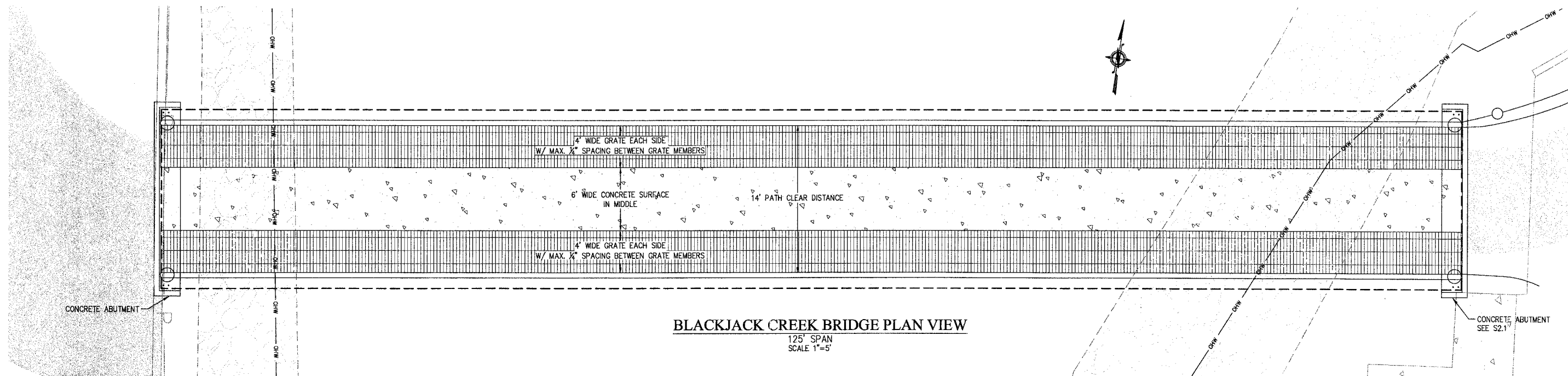
MARINA BOARDWALK SECTION & DETAILS
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407247
SHEET SI.1



BLACKJACK CREEK BRIDGE SECTION
 125' SPAN
 SCALE 1"=5'

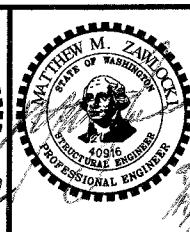
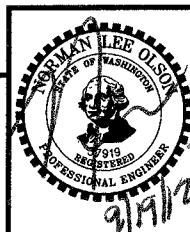


BLACKJACK CREEK BRIDGE PLAN VIEW
 125' SPAN
 SCALE 1"=5'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



BRIDGE SECTION AND PLAN
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1" = 5'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407248
 SHEET S2.0

General Notes	Graphic Symbol	USCS SYMBOL	Recovery (ft)	Blow per (ft) (N-Value)
			1	
			2	
			3	
			4	
B1, 2.5 ft	FILL		5	5
			6	
B1, 5.0 ft			7	19
			8	
B1, 7.5 ft			9	3
			10	
B1, 10.0 ft			11	10
			12	
			13	
B1, 15.0 ft			14	
			15	
			16	
			17	
			18	
			19	
B1, 20.0 ft			20	8
			21	
			22	
			23	
			24	
B1, 25.0 ft			25	14
			26	
			27	
B1, 30.0 ft			28	27
			29	
			30	
			31	
			32	
			33	
			34	

Asphalt 1 3/4 inches thick
 FILL?: Brown Silty SAND, loose, moist
 - Contains trace gravel
 - Contains fine to medium grained sand particles

NATIVE?: Gray Poorly Graded SAND, medium dense, wet
 - Groundwater encountered at 5 ft bgs
 - Contains fine to medium grained sand particles

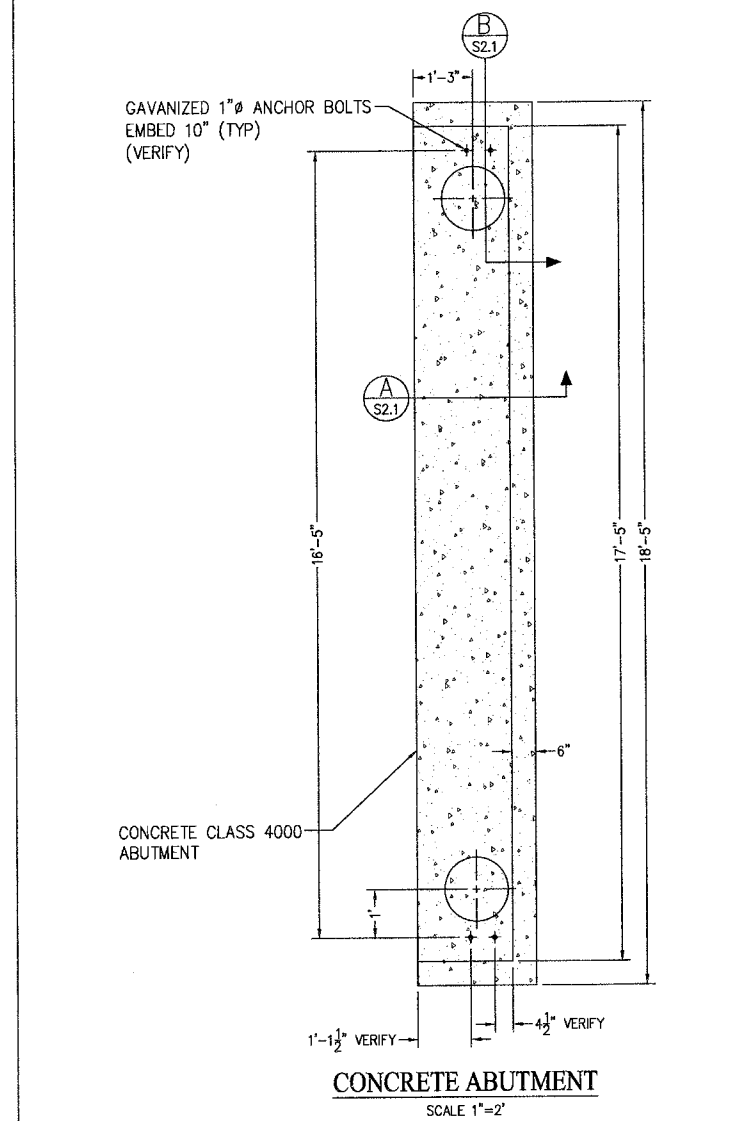
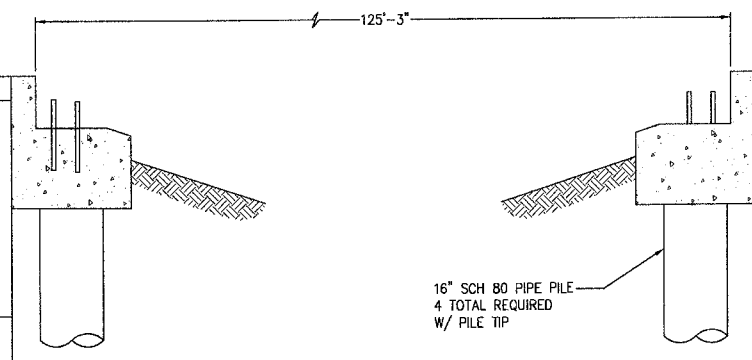
Becomes loose
 Sand particles become fine grained

Contains shell fragments at 10 ft bgs

Gravel content increases at 15 ft bgs

Gray Well Graded GRAVEL with sand, medium dense, wet
 - Contains semi-angular to rounded gravel
 - Contains medium to coarse grained sand particles

Contains interbedding layers of Silty SAND



CONCRETE ABUTMENT
 SCALE 1"=2'

General Notes	Graphic Symbol	USCS SYMBOL	Recovery (ft)	Blow per (ft) (N-Value)
			1	
			2	
			3	
			4	
B1, 2.5 ft			5	8
			6	
B1, 5.0 ft	FILL		7	3
			8	
B1, 7.5 ft			9	3
			10	
B1, 10.0 ft			11	4
			12	
			13	
			14	
B1, 15.0 ft			15	
			16	
			17	
			18	
			19	
B1, 20.0 ft			20	9
			21	
			22	
			23	
			24	
B1, 25.0 ft			25	25
			26	
			27	
			28	
			29	
B1, 30.0 ft			30	42
			31	
			32	
			33	
			34	

Asphalt 1 3/4 inches thick
 FILL?: Brownish Gray Poorly Graded SAND, loose, moist
 - Contains trace gravel
 - Contains fine to medium grained sand particles

Groundwater encountered at 6 ft bgs

Becomes fine grained and saturated
 Silt Content increases

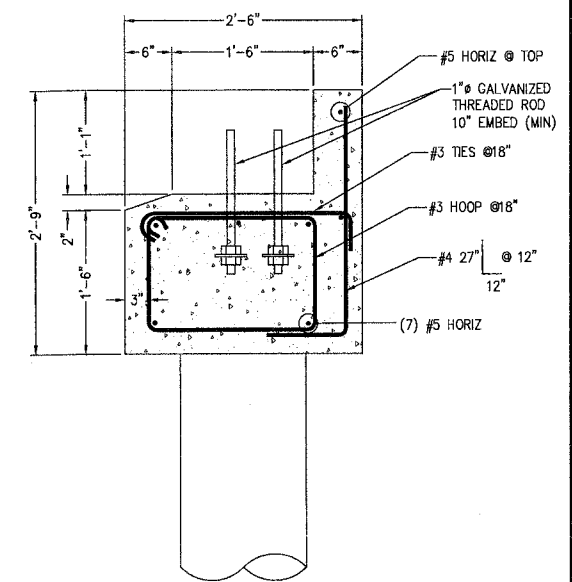
Grades to Grayish Brown

NATIVE?: Well Graded GRAVEL with sand, medium dense, wet
 - Semi-angular to rounded gravel
 - Contains medium to coarse grained sand particles

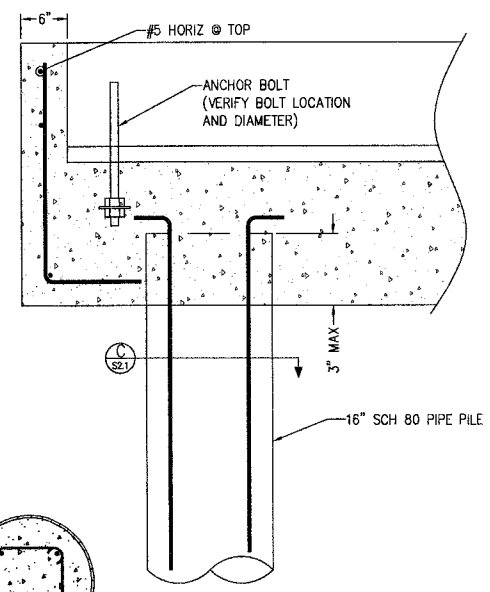
Dark Gray Silty SAND with trace gravel, medium dense, wet
 - Contains medium grained sand particles

Well Graded GRAVEL with sand, medium dense, wet
 - Contains medium to coarse grained sand particles

Contains interbedding sand layers



SECTION A-A



SECTION C-C

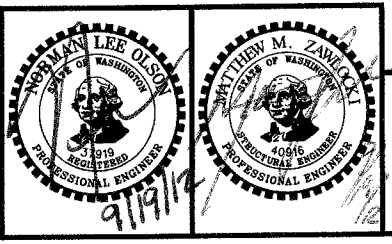
ABUTMENT DETAILS
 SCALE 1"=1'

End of boring at 31.5 ft bgs

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
MMZ	MMZ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

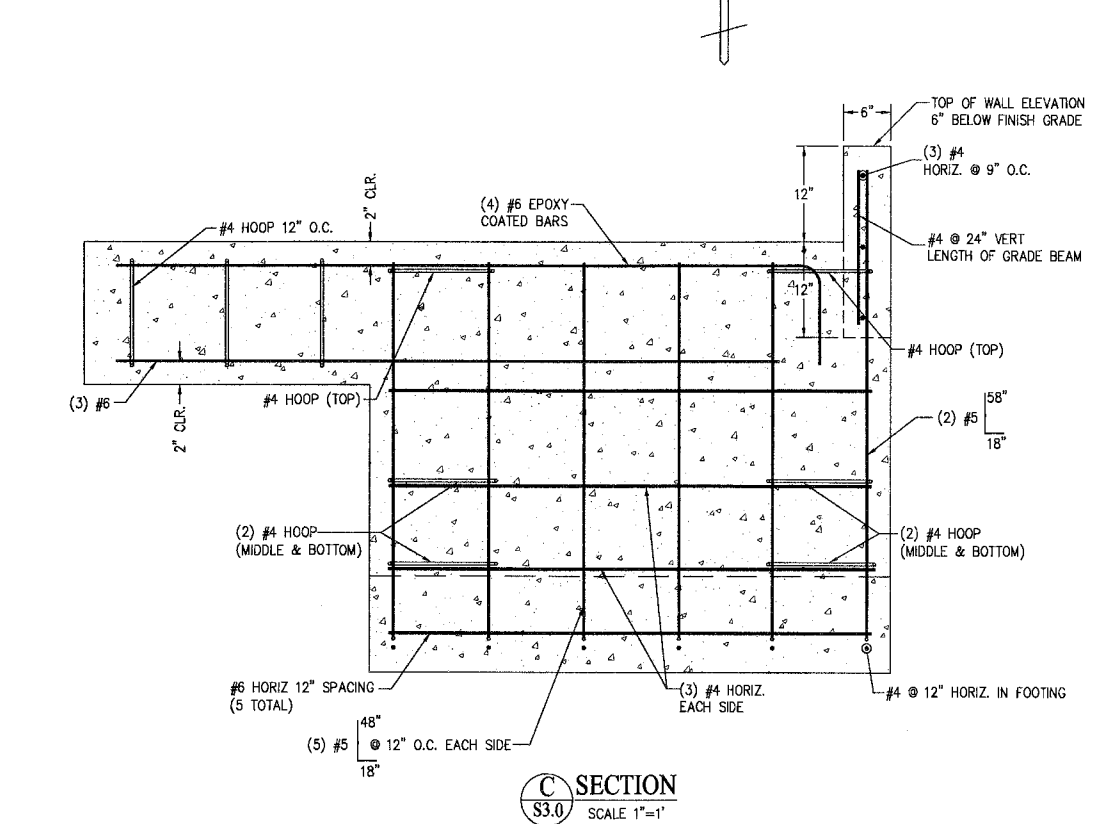
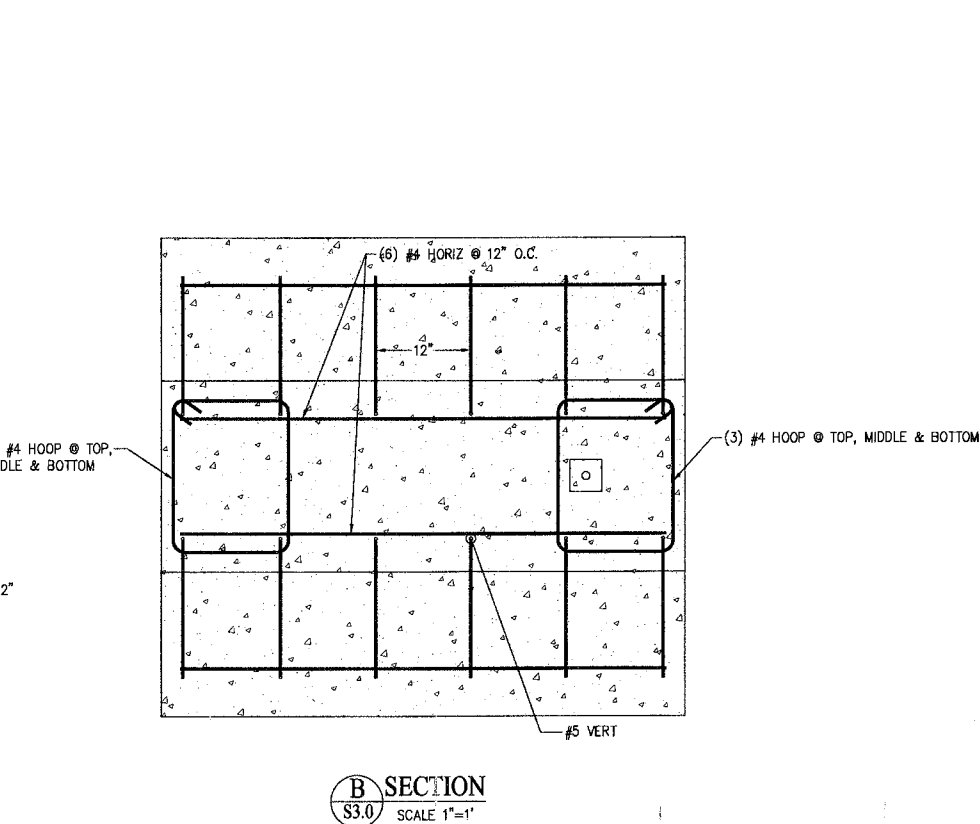
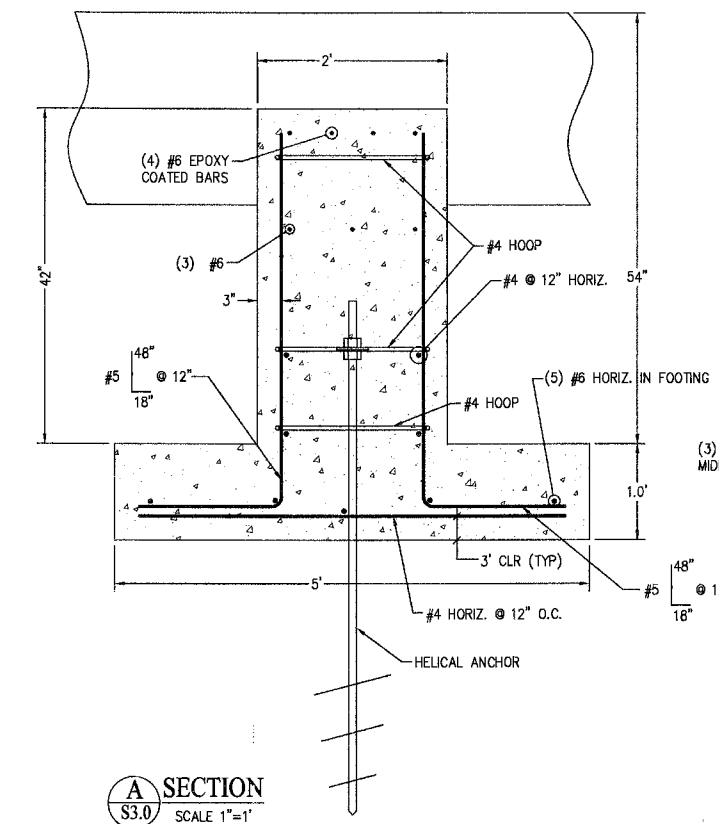
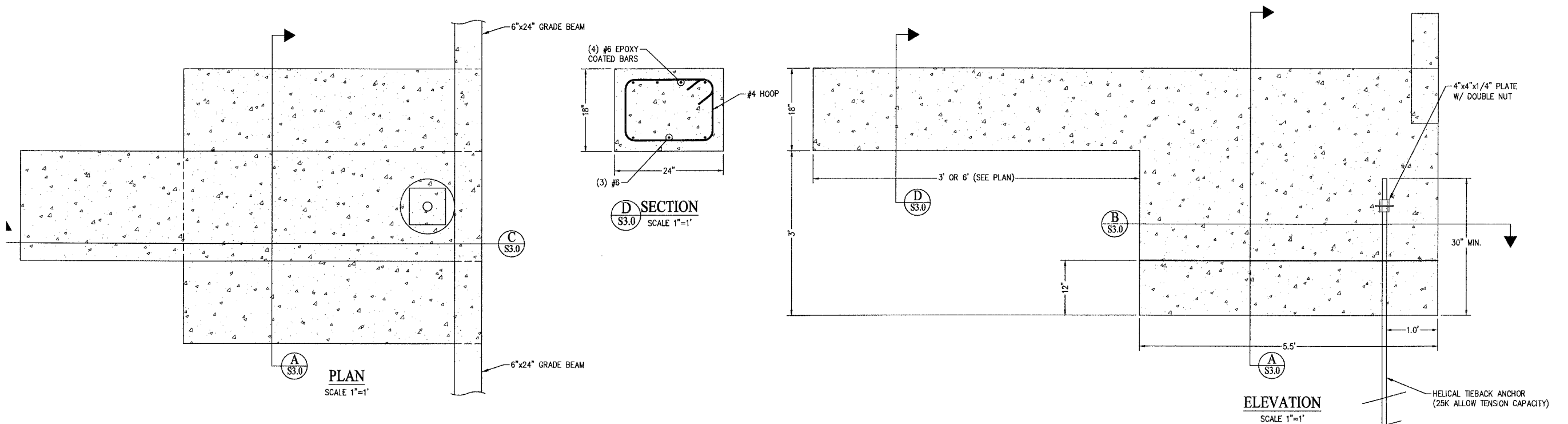
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



BRIDGE FOUNDATION DETAILS
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: AS SHOWN
 DATE: Sep. 12, 2012
 DRAWING NUMBER: **097337-407249**
 SHEET: S2.1



REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

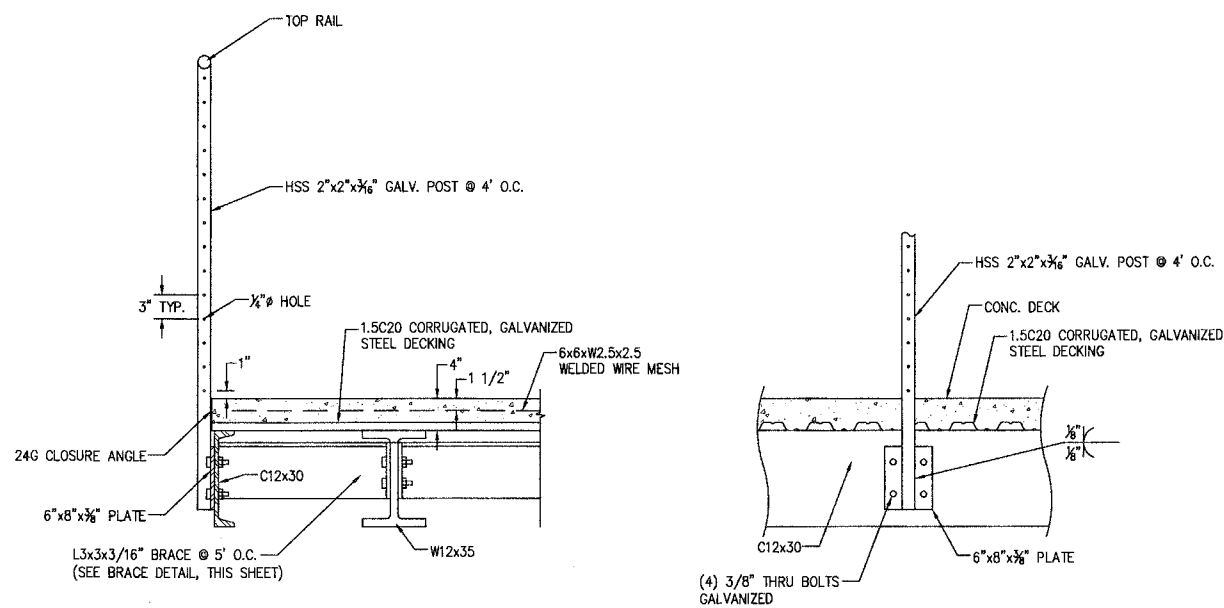
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



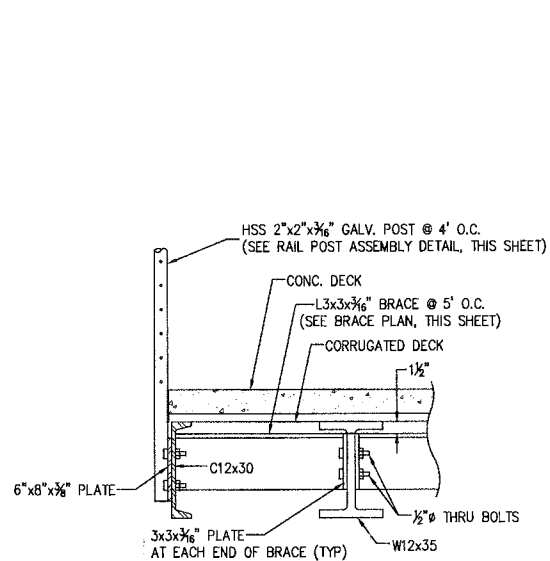
CANTILEVER FOUNDATION DETAILS
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

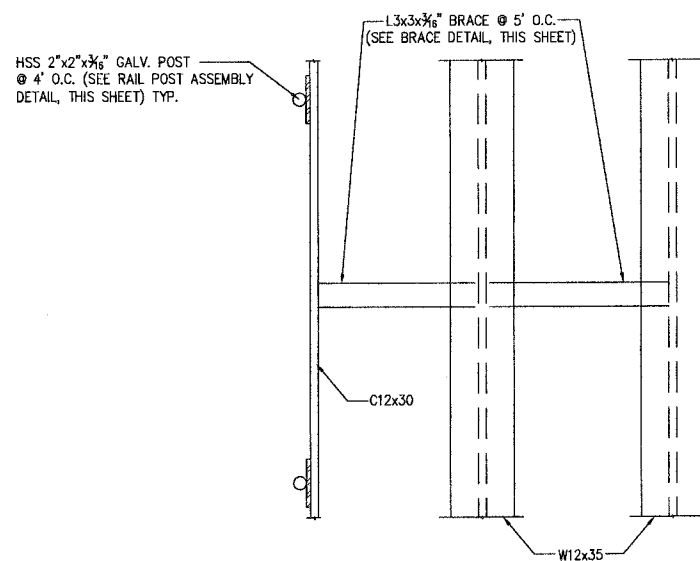
SCALE: 1"=1'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407250
 SHEET S3.0



RAIL POST ASSEMBLY
SCALE 1"=1'



BRACE DETAIL
SCALE 1"=1'

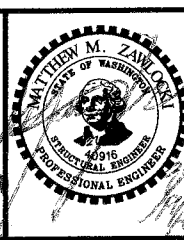
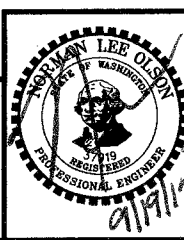


BRACE PLAN VIEW
SCALE 1"=1'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



CANTILEVER SIDEWALK FRAMING DETAILS

City of Port Orchard Pedestrian Enhancement Project

Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

City of Port Orchard

216 Prospect Street
Port Orchard, WA 98366

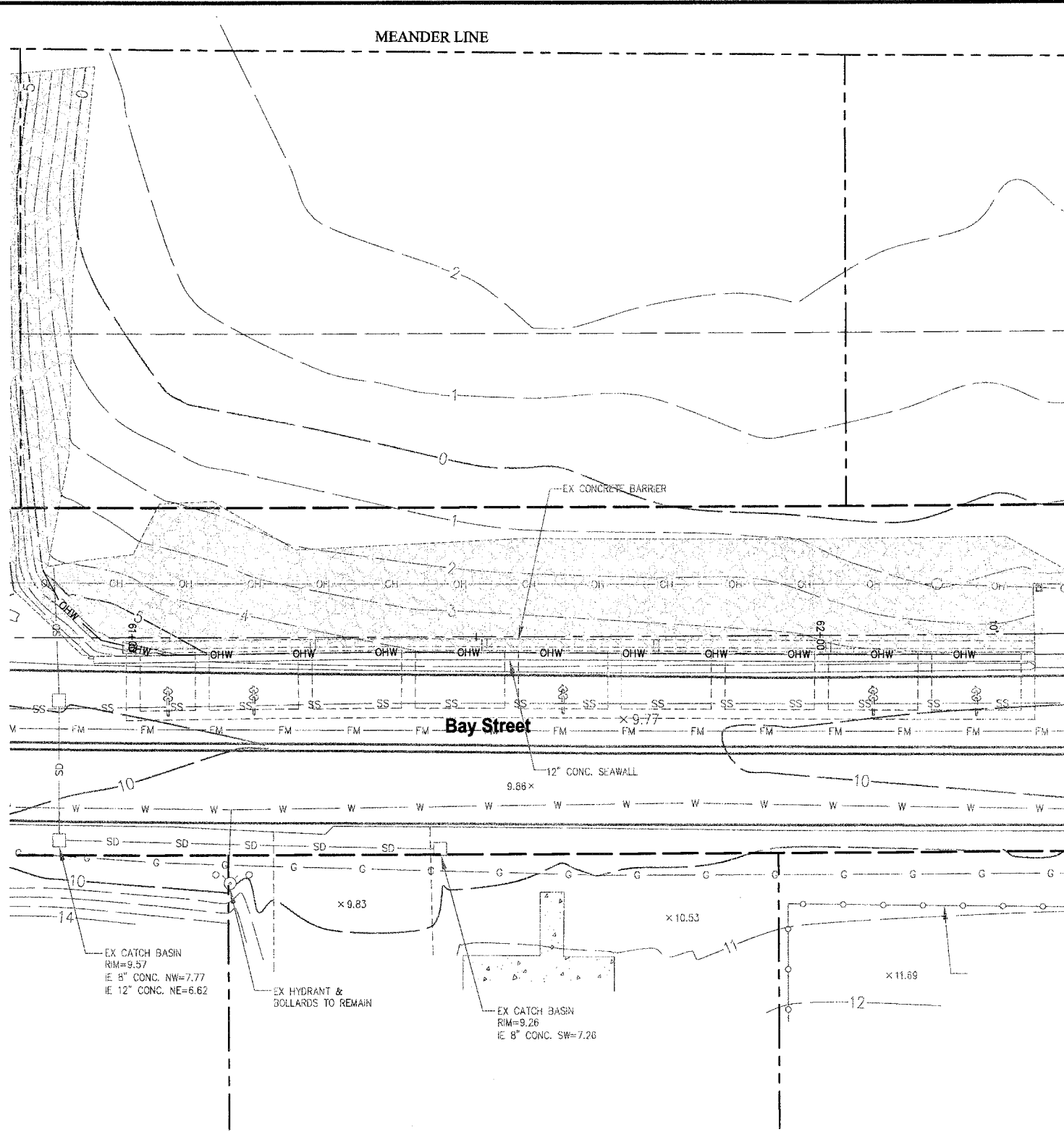
SCALE: 1"=1'

DATE: Sep. 12, 2012

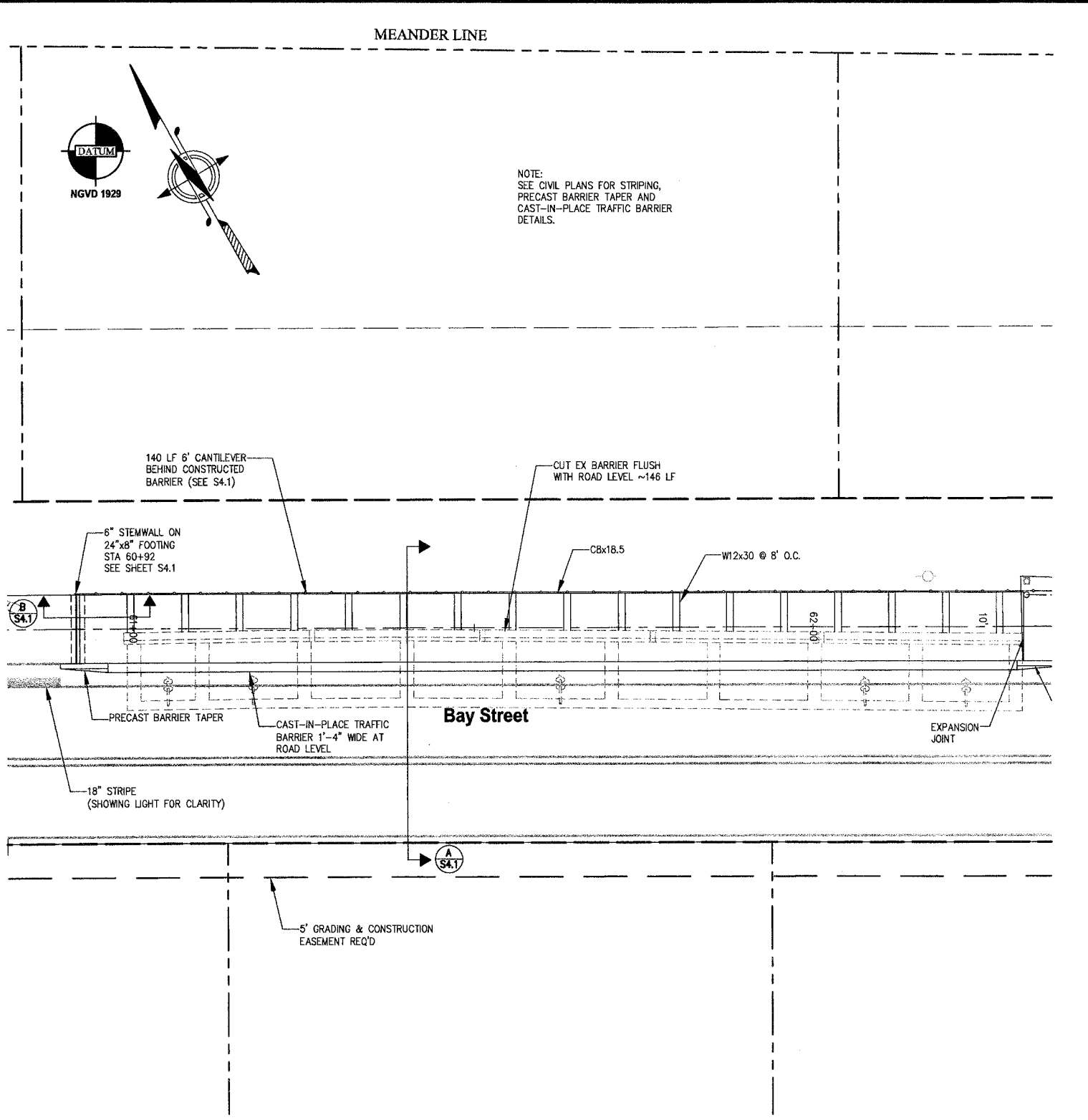
DRAWING NUMBER

097337-407251

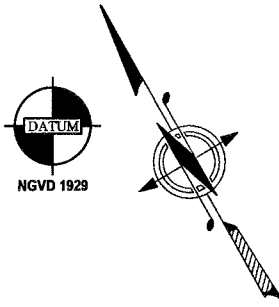
SHEET S3.1



EXISTING PLAN



PROPOSED PLAN



NOTE:
SEE CIVIL PLANS FOR STRIPING,
PRECAST BARRIER TAPER AND
CAST-IN-PLACE TRAFFIC BARRIER
DETAILS.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
MMZ	MMZ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

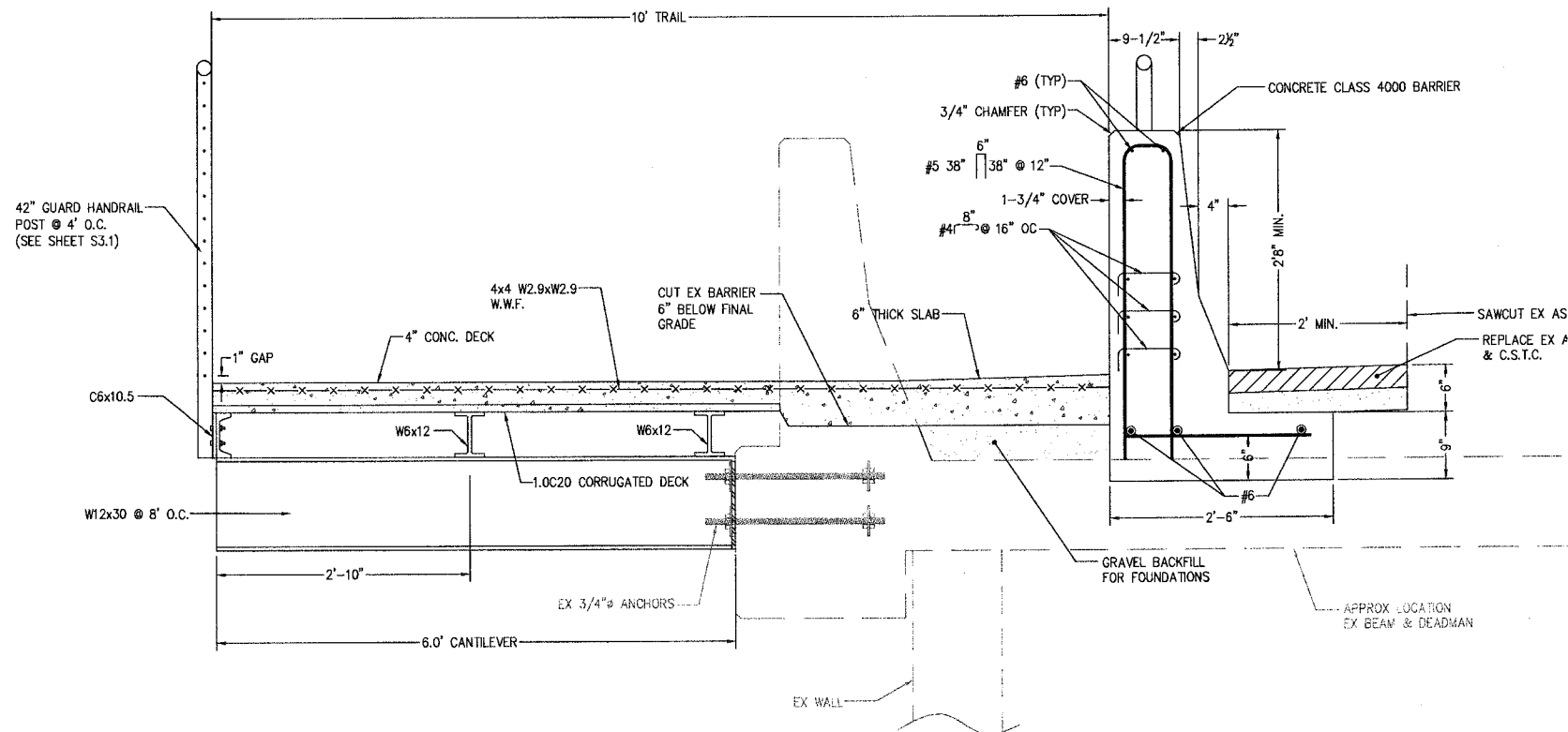
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



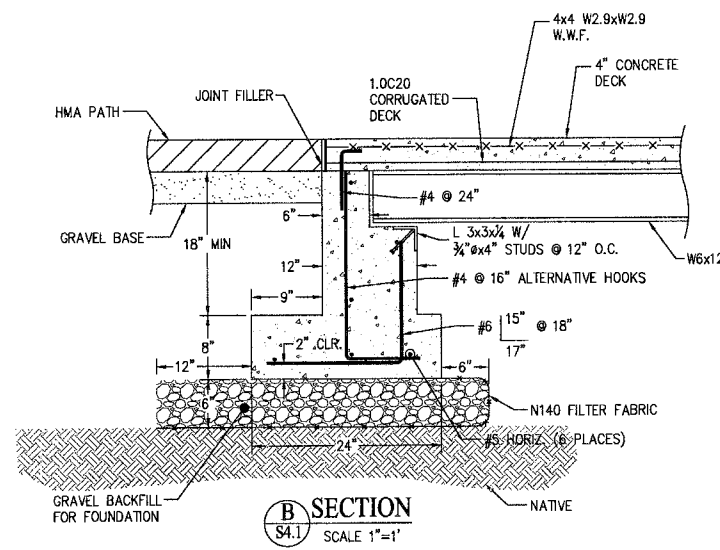
SEAWALL PLAN
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

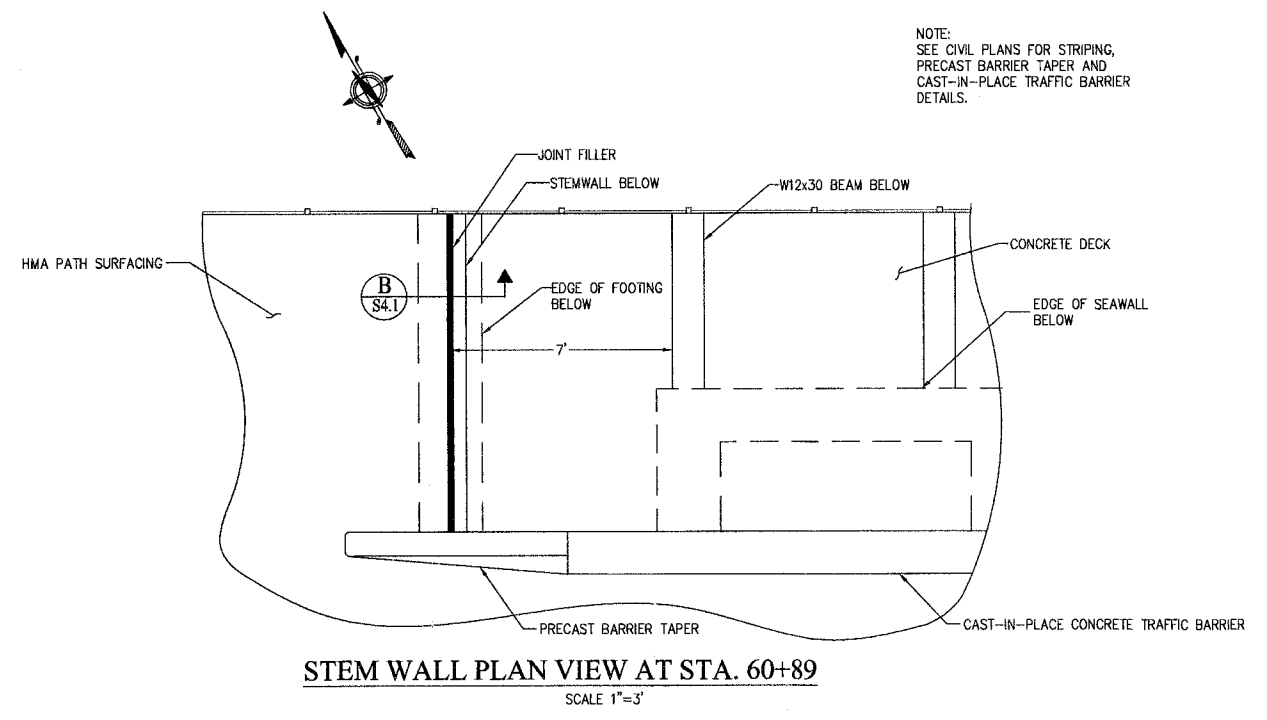
SCALE: 1"=10'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407252
SHEET S4.0



A SECTION STA. 60+96 TO 62+30
SCALE 1"=1'



B SECTION
SCALE 1"=1'



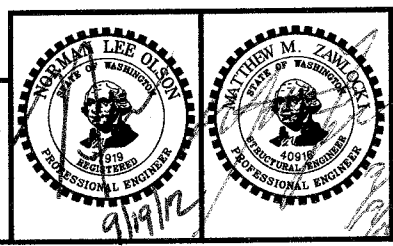
STEM WALL PLAN VIEW AT STA. 60+89
SCALE 1"=3'

NOTE:
SEE CIVIL PLANS FOR STRIPING,
PRECAST BARRIER TAPER AND
CAST-IN-PLACE TRAFFIC BARRIER
DETAILS.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
MMZ	MMZ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

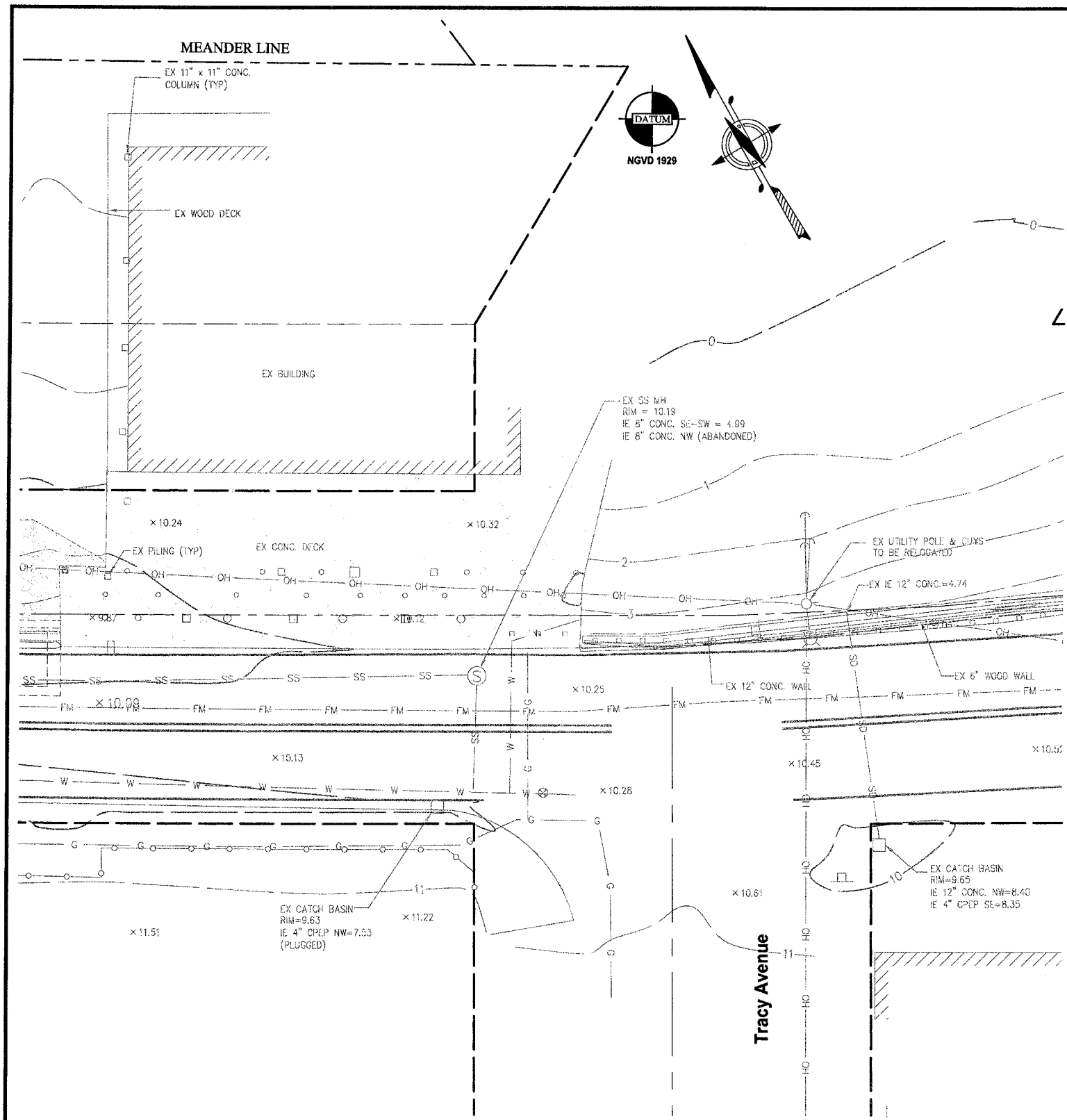
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



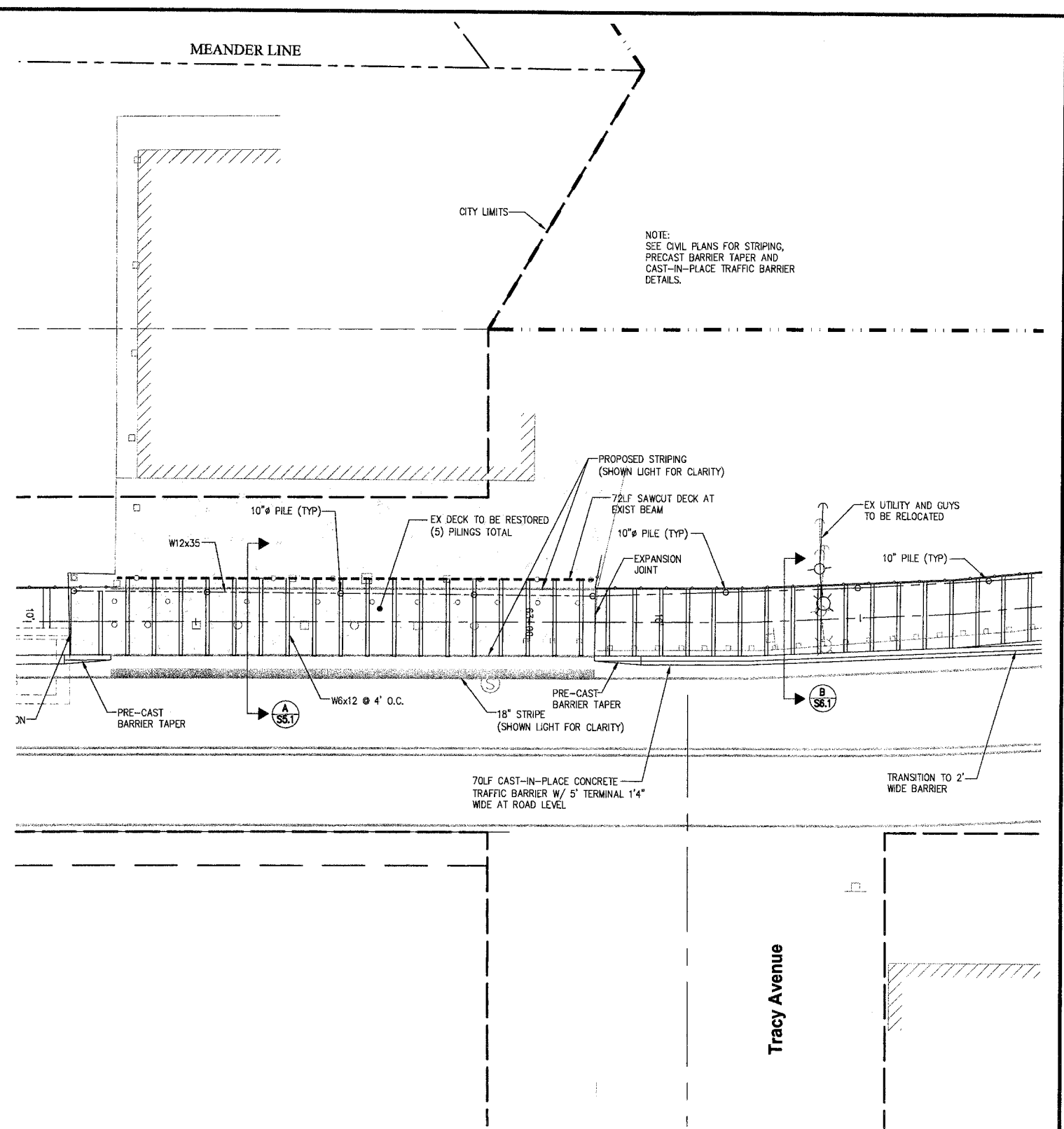
SEAWALL DETAILS
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: AS SHOWN
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407253
SHEET S4.1



EXISTING PLAN

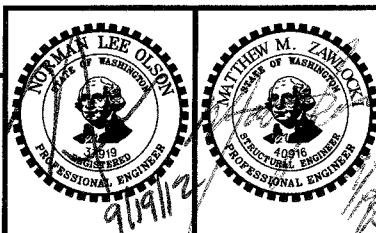


PROPOSED PLAN

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
MMZ	MMZ	9/12
DRAWN	JAT	9/12
CHECKED	NLOI	9/12
APPROVED		
ACCEPTED		

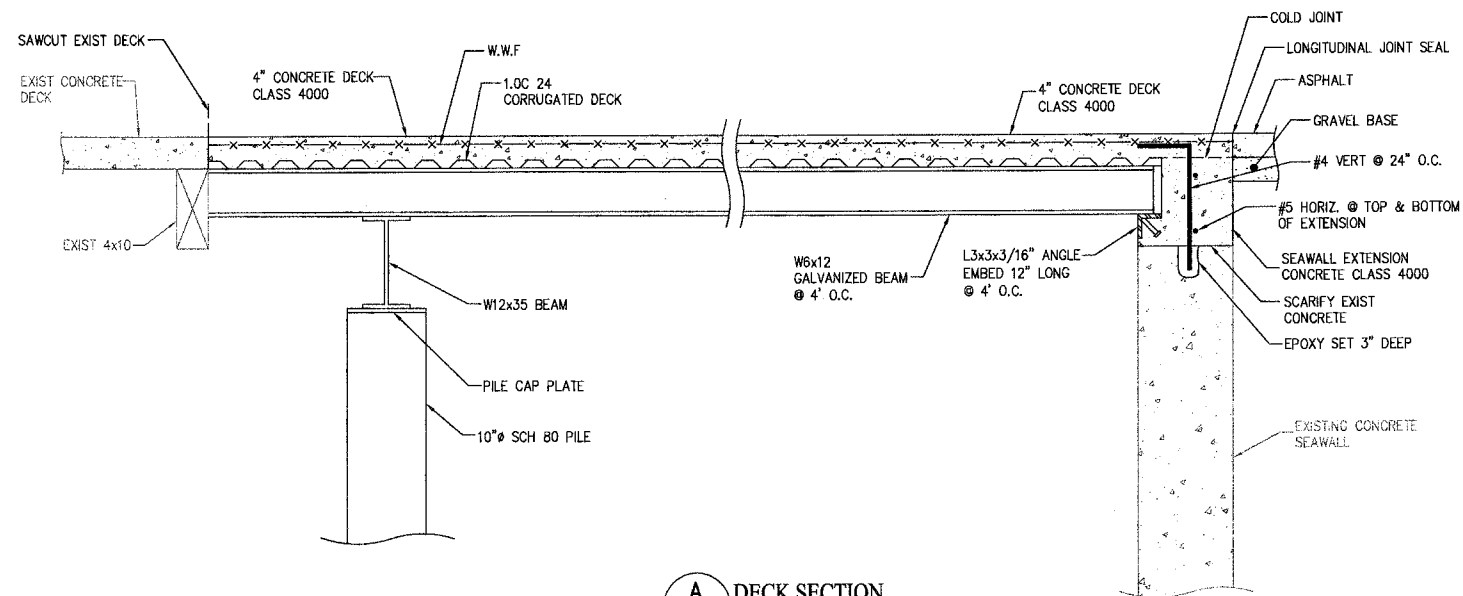
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



DECK REPLACEMENT PLANS
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"=10'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407254
 SHEET S5.0

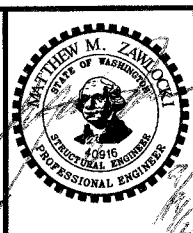
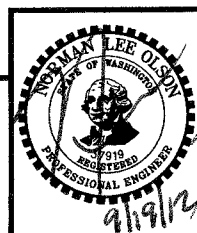


A DECK SECTION
S5.1 SCALE 1"=1'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	MMZ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

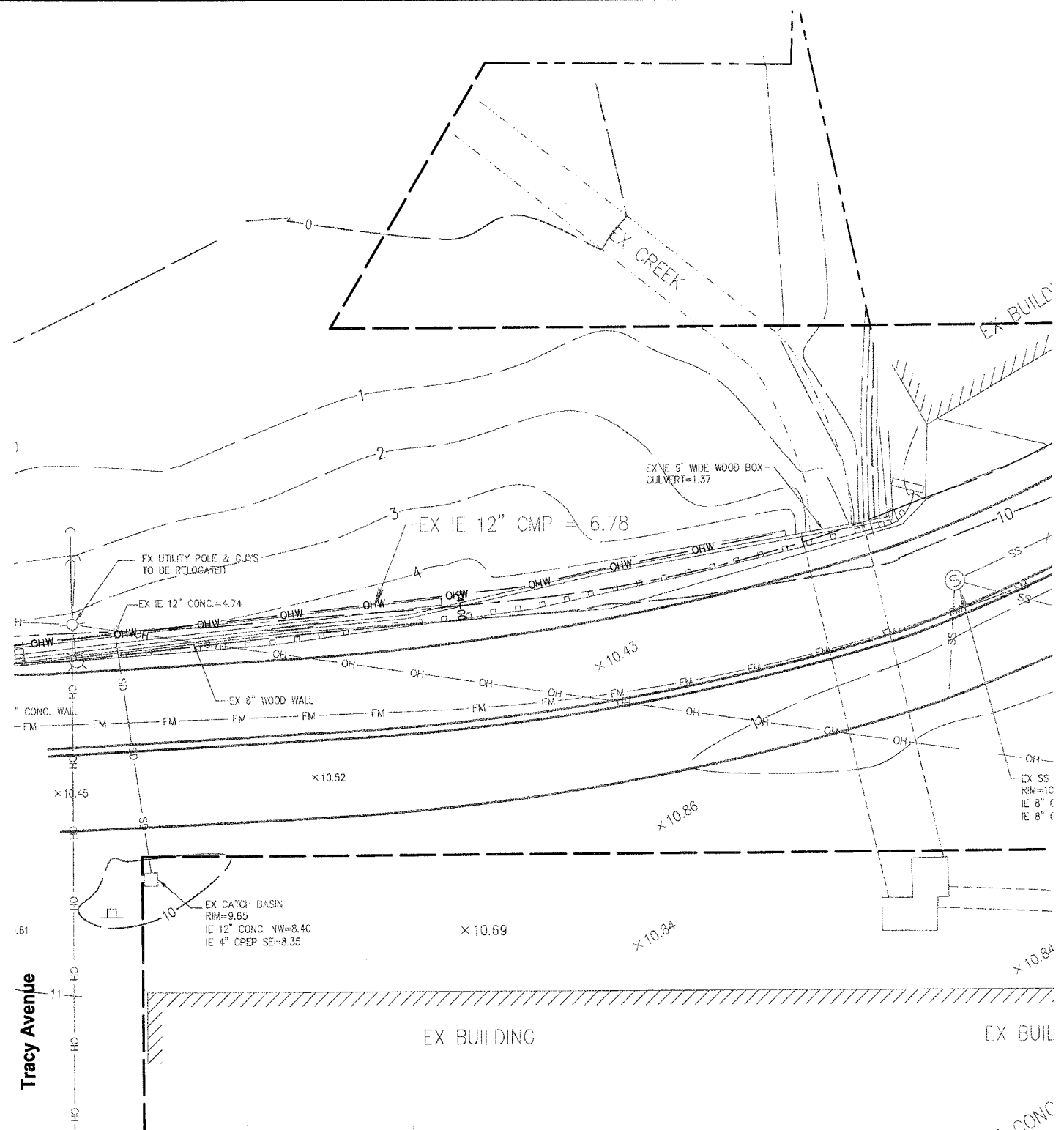
N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



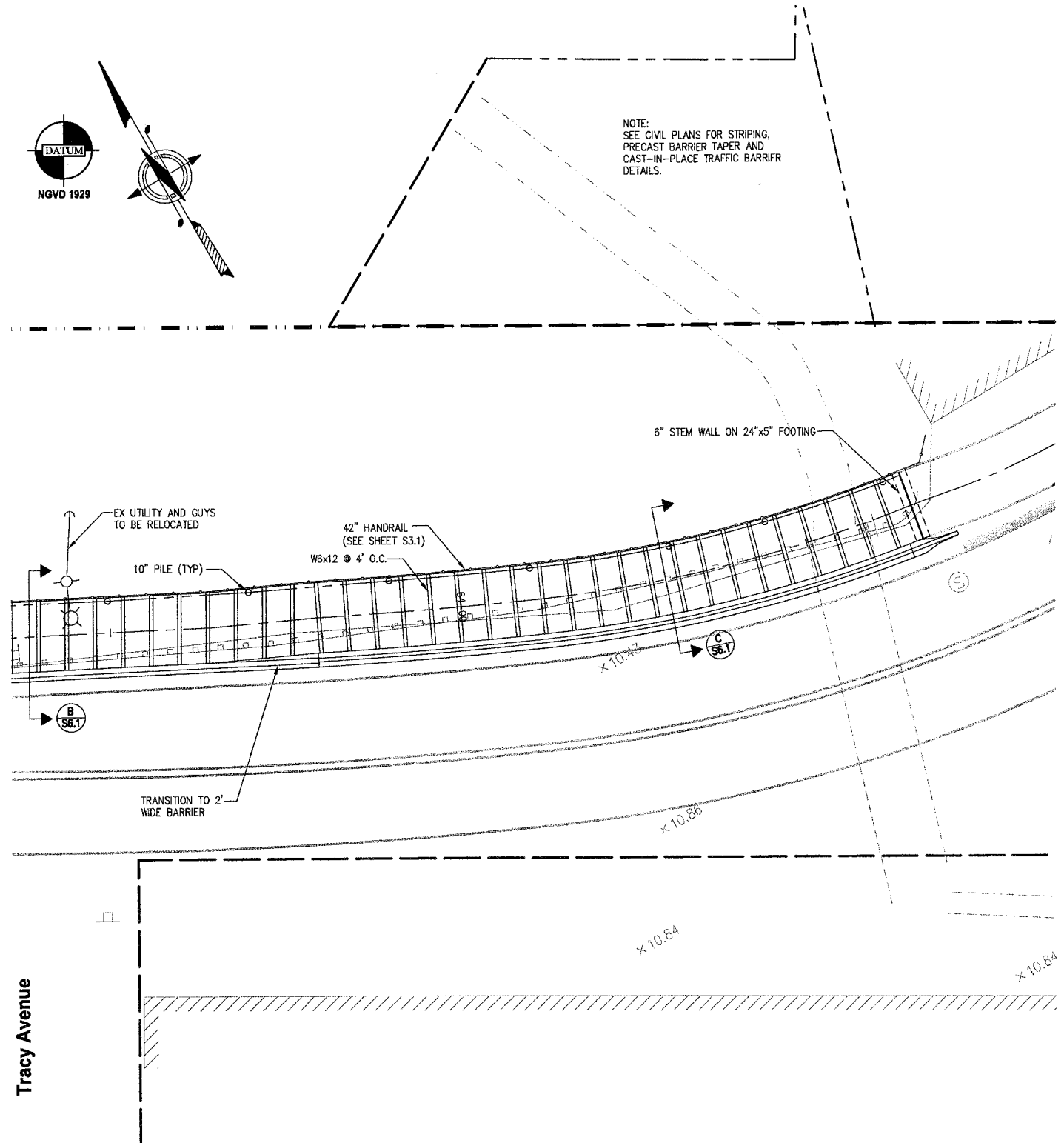
DECK REPLACEMENT DETAILS
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"=1'
 DATE: Sep. 12, 2012
 DRAWING NUMBER
097337-407255
 SHEET S5.1



EXISTING PLAN



PROPOSED PLAN

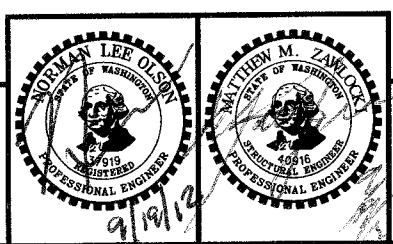


NOTE:
SEE CIVIL PLANS FOR STRIPING,
PRECAST BARRIER TAPER AND
CAST-IN-PLACE TRAFFIC BARRIER
DETAILS.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

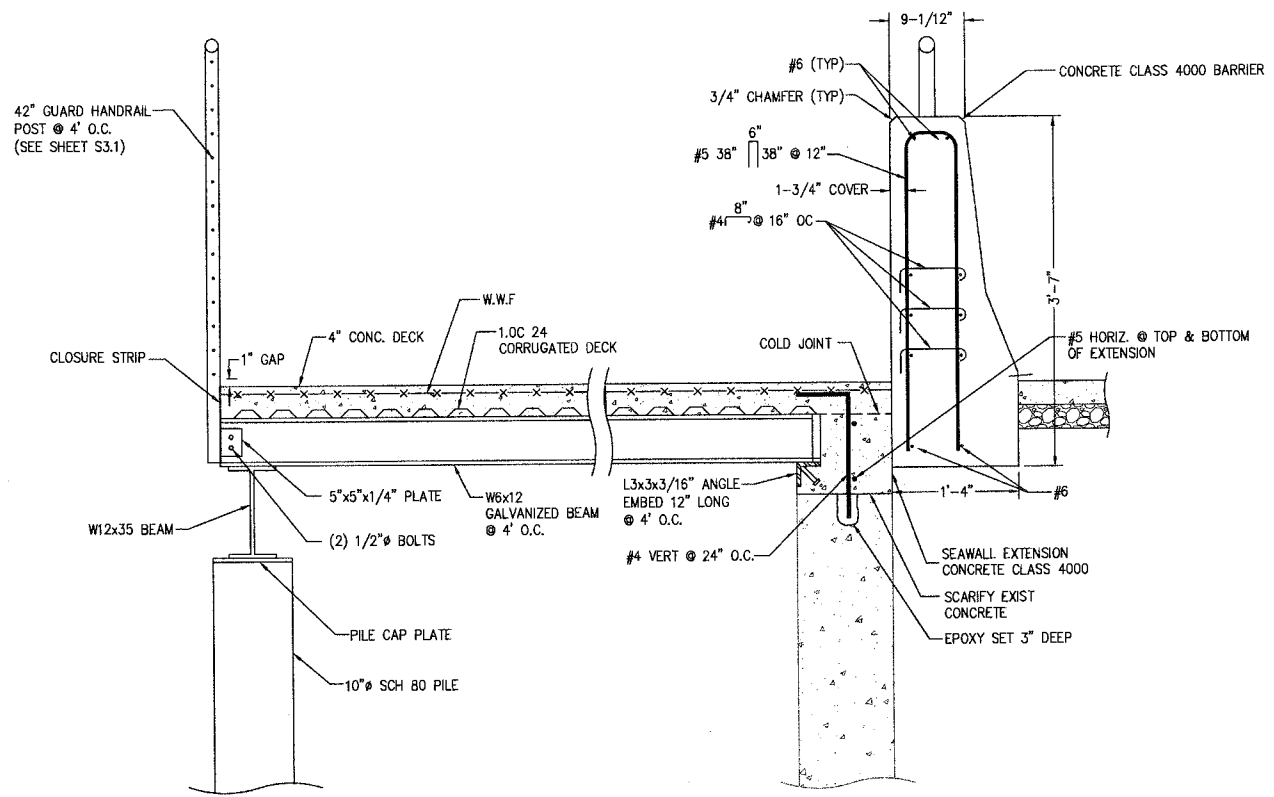
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



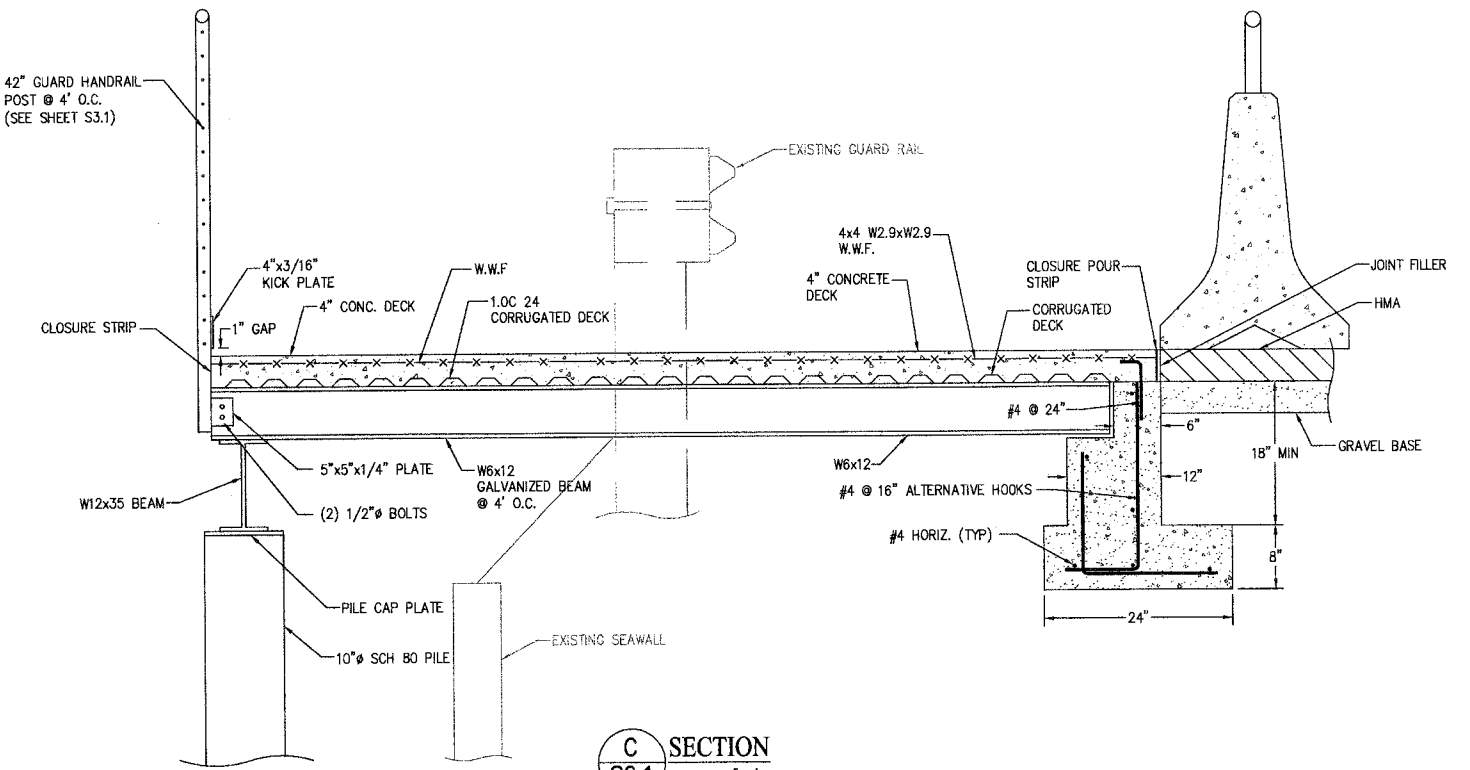
CULVERT AREA PLAN
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"=10'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407256
SHEET S6.0



B SECTION
S6.1 SCALE 1"=1'

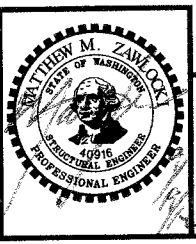
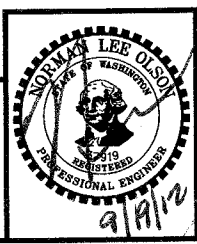


C SECTION
S6.1 SCALE 1"=1'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

	BY	DATE
DESIGNED	MMZ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

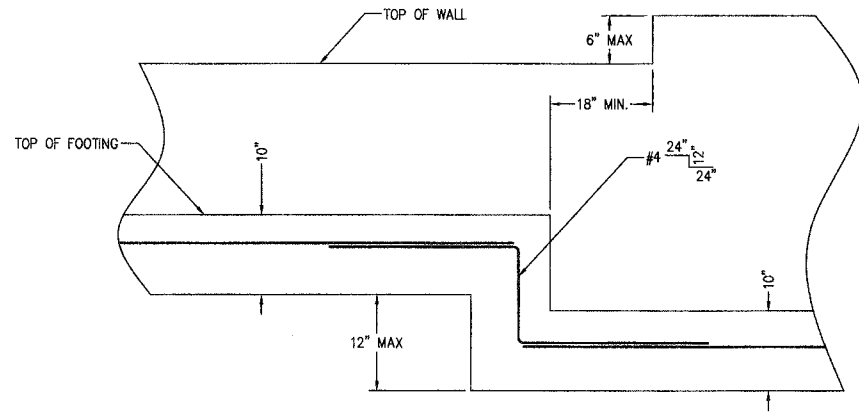
N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



CULVERT AREA DETAILS
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

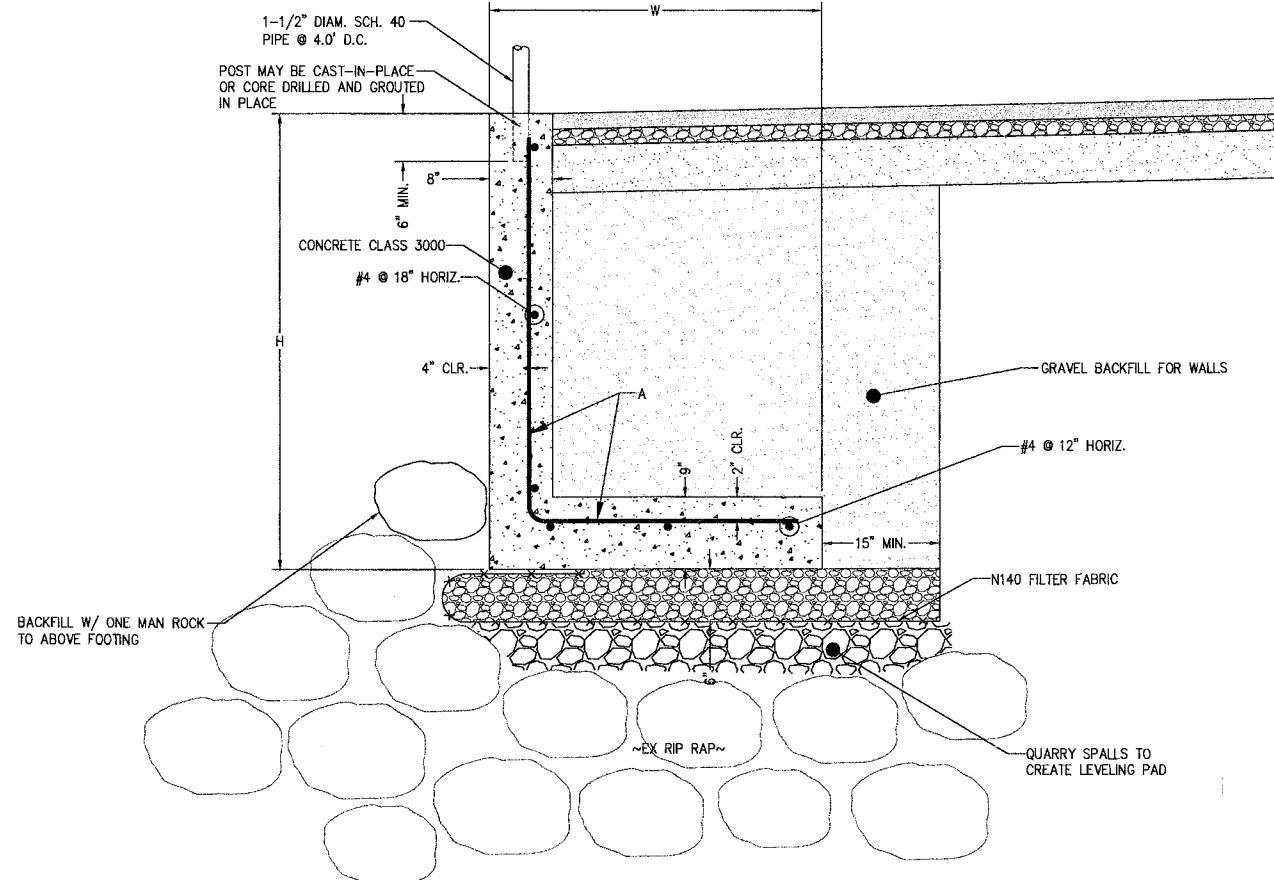
FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"=1'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407257
SHEET S6.1



STEP DETAIL WALL TYPE 1
SCALE 1/2"=1'

TYPE 1		
H	W	A
3'	2.5'	#4@18"
4'	3.5'	#4@18"
5'	4.0'	#4@12"
6'	4.5'	#5@12"

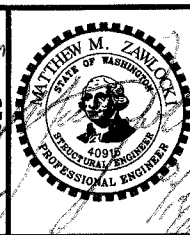
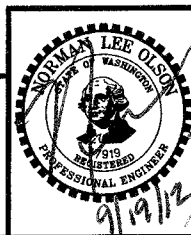


WALL TYPE 1
SCALE 1/2"=1'

REVISIONS			
NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



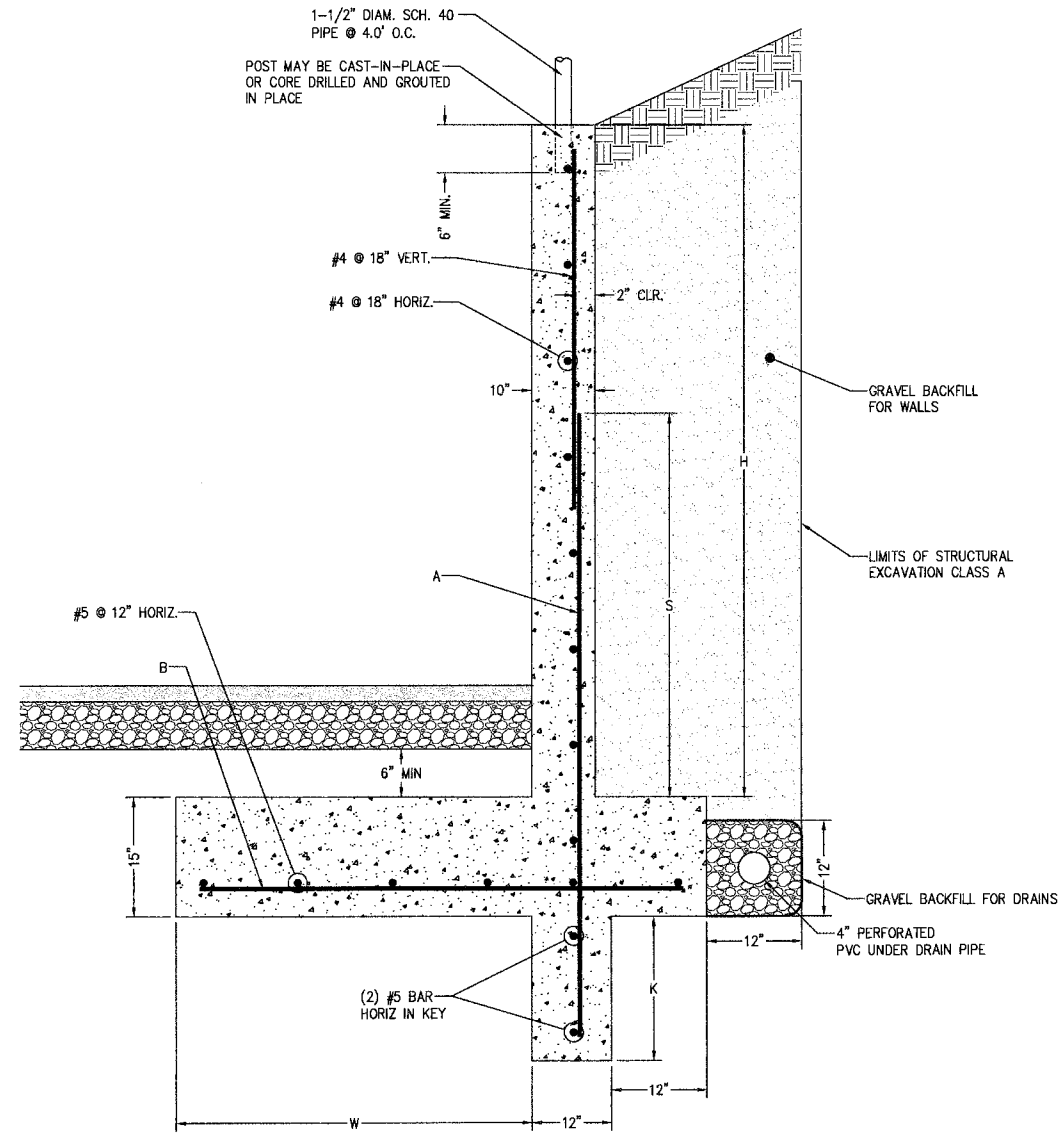
WALL DETAILS 1
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1/2"=1'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407258
SHEET S7.0

TYPE 2

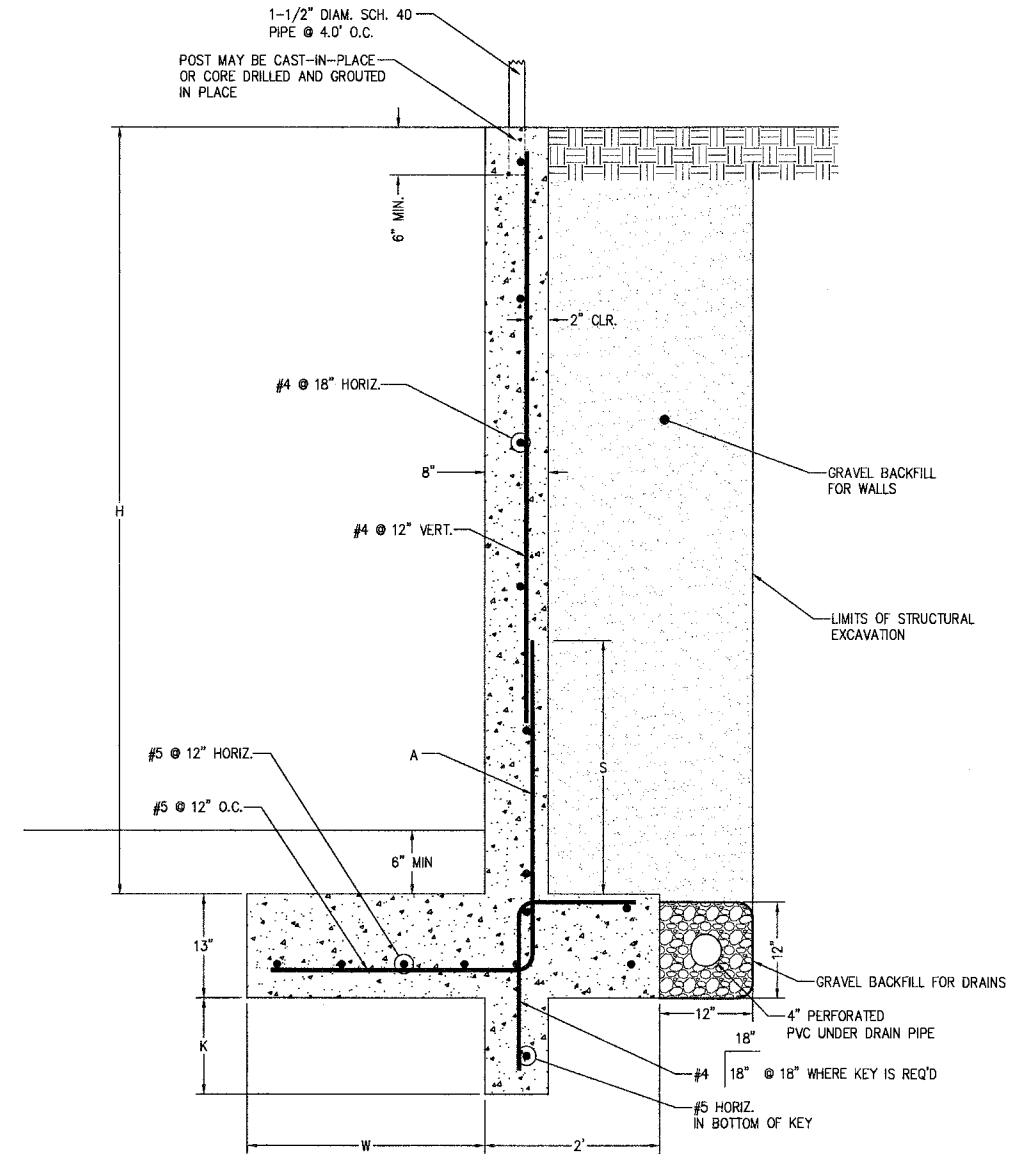
H	W	K	A	B	S
3'	1.5'	0"	#4@18"	#4@18"	24"
7'	3.75'	18"	#5@9"	#5@9"	42"
11'	4.5'	18"	#6@9"	#5@9"	48"



WALL TYPE 2
SCALE 1/2"=1'

TYPE 3

H	W	K	A	S
8'	2'-6"	12"	#4@12"	30"
5'	12"	0"	#4@18"	24"



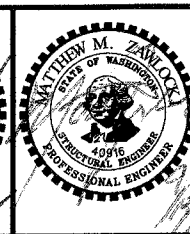
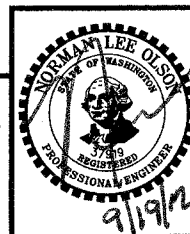
WALL TYPE 3
SCALE 1/2"=1'

REVISIONS

NO.	DATE	BY	DESCRIPTION

BY	DATE
DESIGNED MMZ	9/12
DRAWN JAT	9/12
CHECKED NLOI	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



WALL DETAILS 2

City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:

City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1/2"=1'

DATE: Sep. 12, 2012

DRAWING NUMBER

097337-407259

SHEET S7.1

NOTES:

PLANT SPECIES, QUANTITIES AND SIZE MUST BE PROVIDED AS SPECIFIED. ANY SUBSTITUTIONS MUST BE APPROVED BY THE PROJECT ENGINEER.

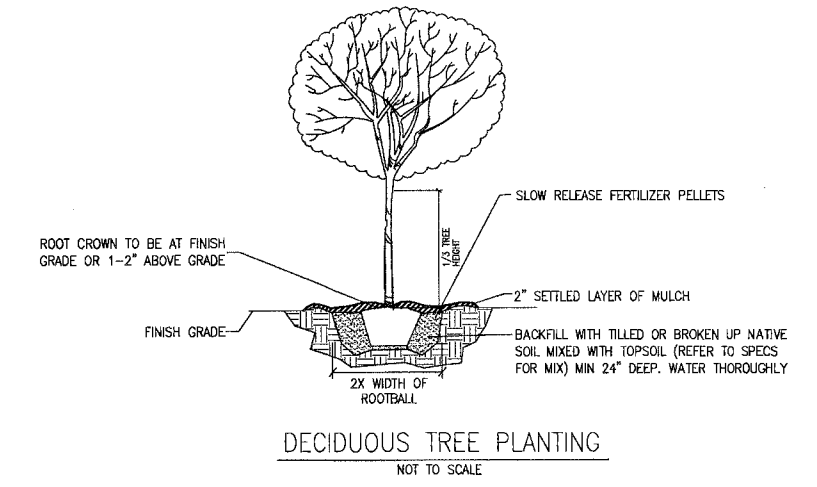
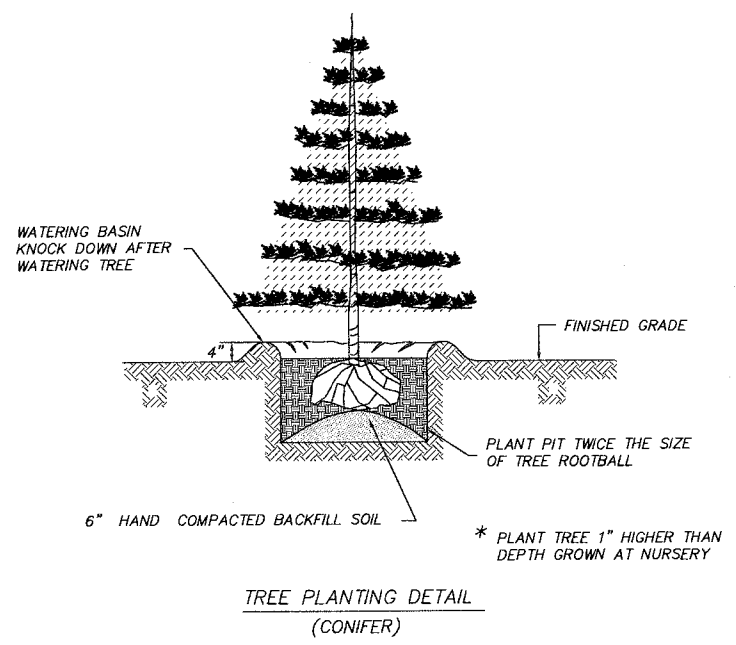
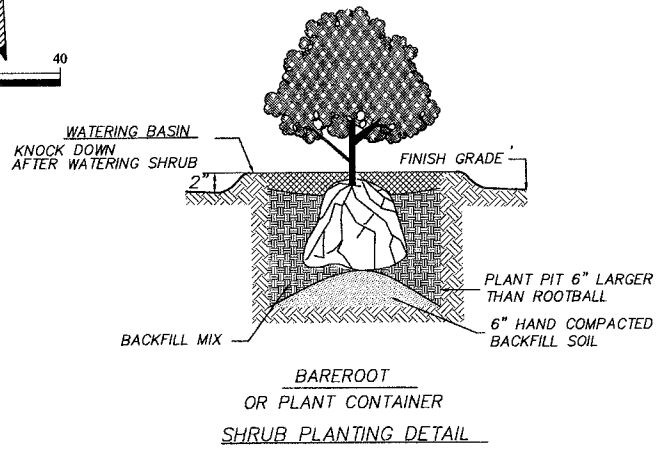
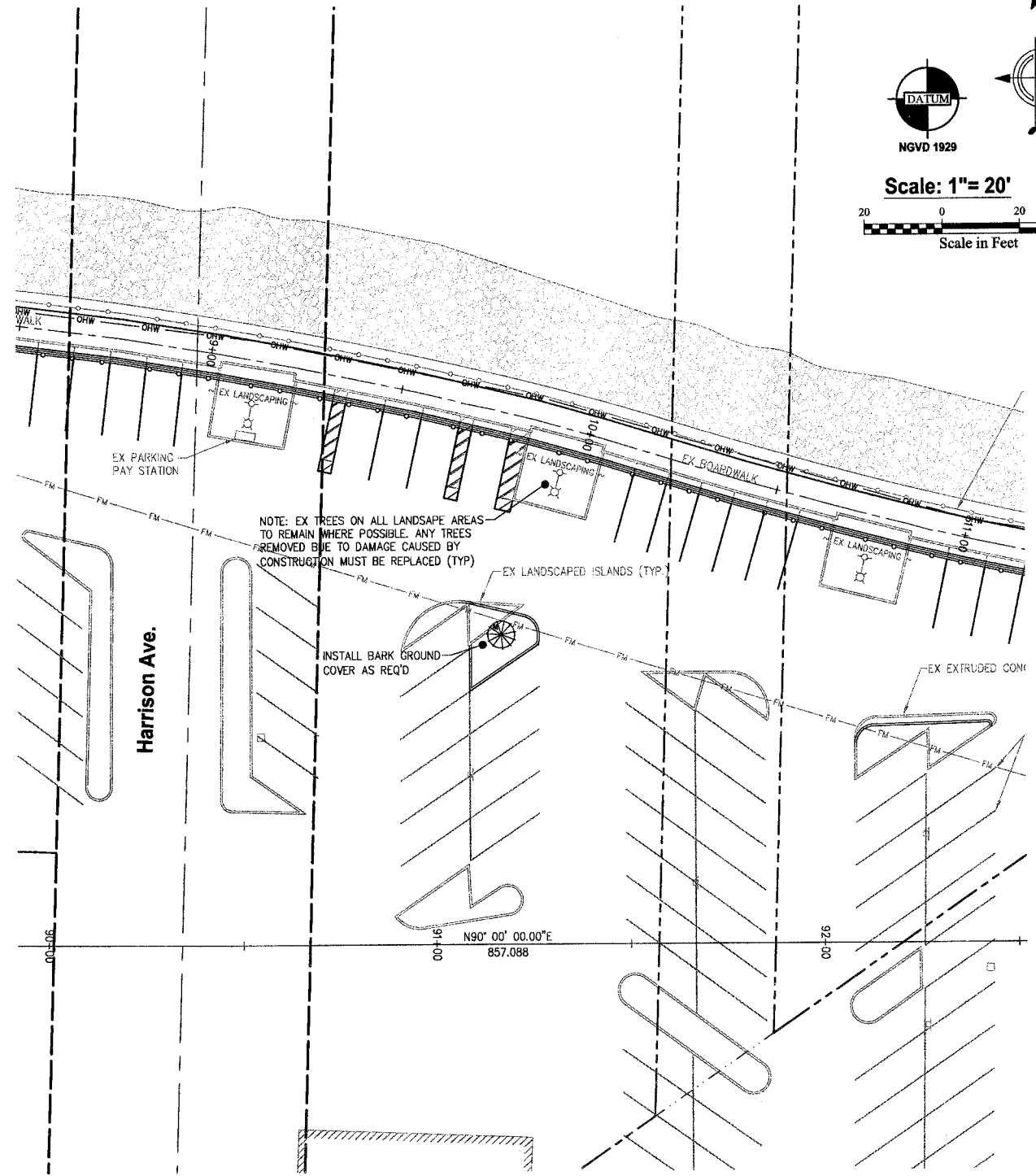
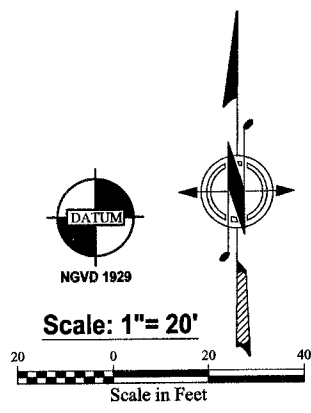
ALL PLANTING MATERIALS SHALL BE HEALTHY, SOUND, VIGOROUS OF GROWTH, FREE OF ANY DEFECTS, DISEASES AND ANY FORM OF INFESTATIONS.

ALL PLANTING WILL BE RANDOM (HAND LAID OUT, NOT BY STRING LINE). TRIANGULAR SPACED WITHIN THEIR RESPECTIVE ZONES TO EMULATE A NATURAL PATTERN OF GROWTH.

TREE AND SHRUB PLANTING SHALL BE PER DETAILS.

SUBSTITUTIONS OF ANY PLANT MATERIALS OR CHANGES IN THE LANDSCAPE PLAN MUST BE APPROVED BY THE PROJECT ENGINEER.

PLANTING BACKFILL SOIL SHALL BE SOIL INDIGENOUS TO THE PLANTING AREA. A GROWTH STIMULATING FERTILIZER MAY BE USED OUTSIDE OF EMERGENT AREAS IN BUFFER AREAS, ADMINISTERED AT THE AMOUNTS RECOMMENDED BY THE MANUFACTURER.



QUAN	SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	SPACING
--		VINE MAPLE MAGNOLIA VARIETY FLOWERING CHERRY PLUM	Acer circinatum Magnolia species Prunus species	6'-8'	AS SHOWN
--		HEDGE MAPLE EUROPEAN HORNBEAM FLOWERING CHERRY VARIETY	Acer circinatum Carpinus betulas Prunus species	6'-8'	AS SHOWN
--		RED MAPLE VARIETY PACIFIC SUNSET MAPLE OAK VARIETY	Acer rubrum species Acer truncatum x plicatanoides Quercus species	2.5" CA	AS SHOWN
--		DOUGLAS FIR WESTERN RED CEDAR	Paendo tsuga menziesii Thuja plicata	MIN 3'	AS SHOWN
--		SNOWBERRY NOOTKA ROSE OCEAN SPRAY RHODODENDRON+AZALEAS	Symphoricarpos albus Rosa hatkana Holodiscus discolor Rhododendron species	1 GAL	~5' OC

C:\projects\7337 MOSQUITO FLEET TRAIL.dwg 7/337 LANDSCAPING.dwg 9/14/2012 2:52:33 PM, Thompson, Doc T05700.pcl

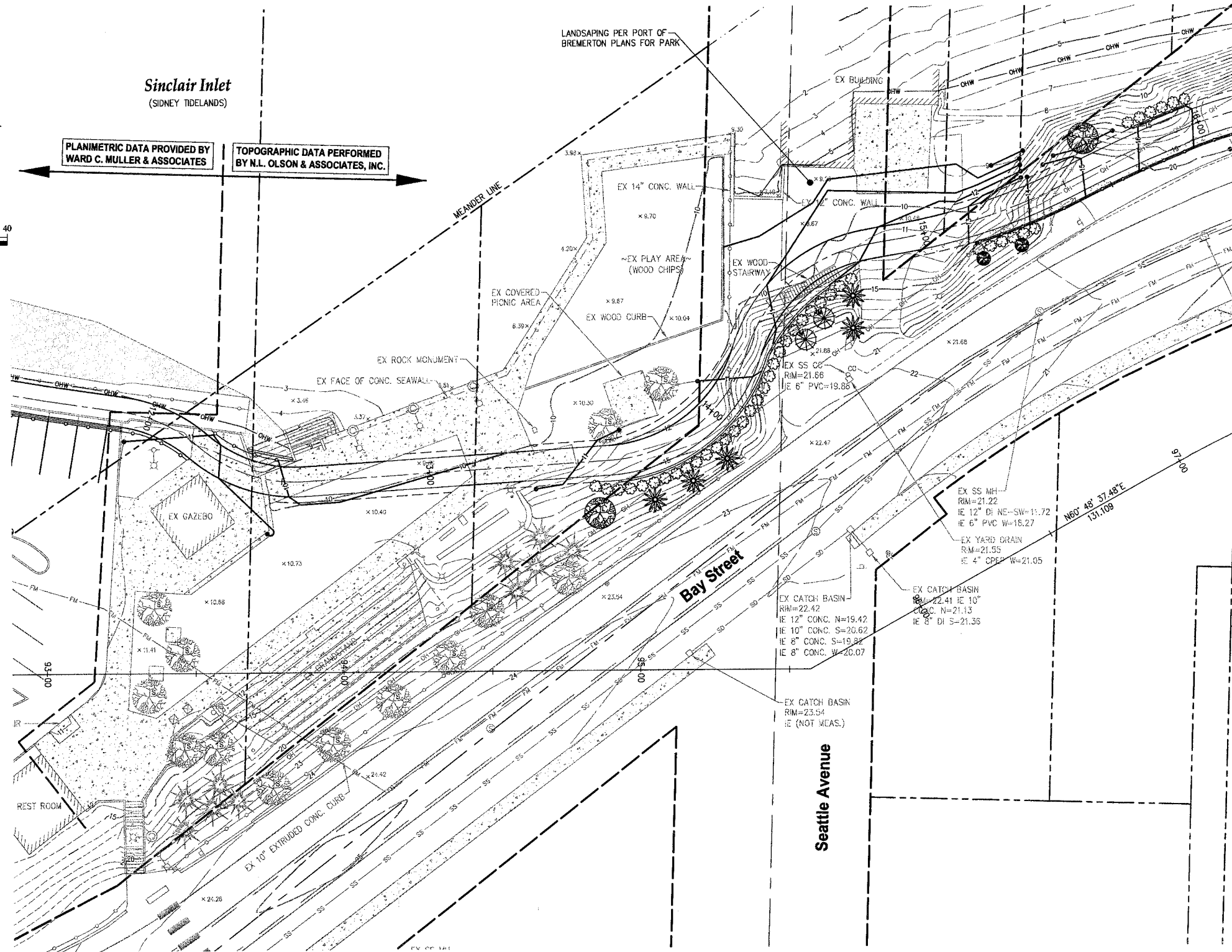
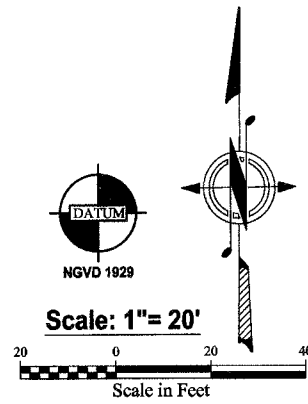
REVISIONS				DESIGNED	BY	DATE
NO.	DATE	BY	DESCRIPTION	RPJ		9/12
				JAT		9/12
				NLOI		9/12

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN 1
 City of Port Orchard Pedestrian Enhancement Project
 Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.


FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
 DATE: Sep. 12, 2012
 DRAWING NUMBER: **097337-407260**
 SHEET: L1.0



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BY	DATE
RPJ	RPJ	9/12
JAT	JAT	9/12
NLOI	NLOI	9/12

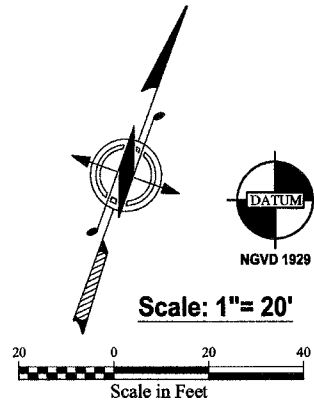

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN 2
 City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
 Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26,
 Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

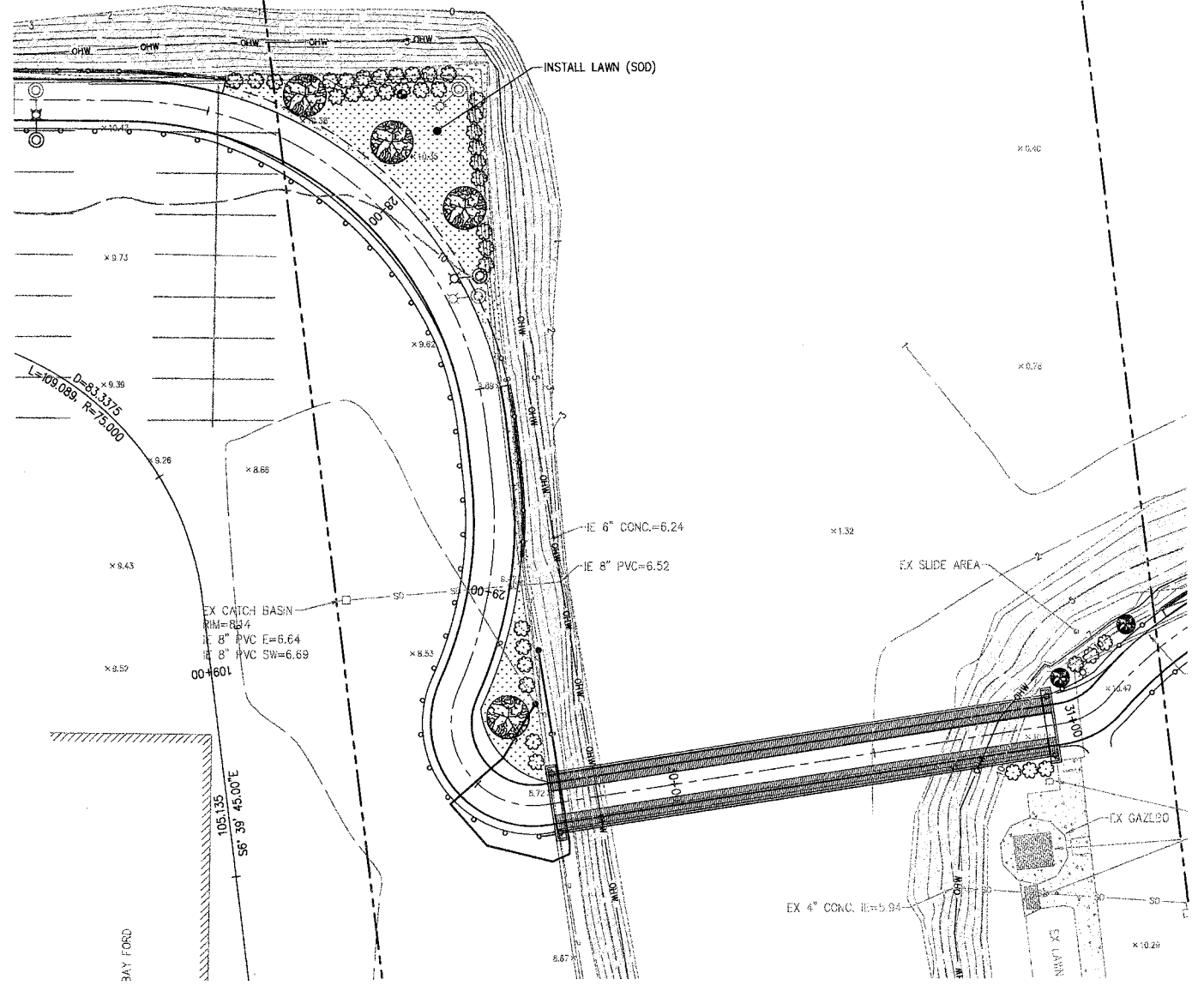
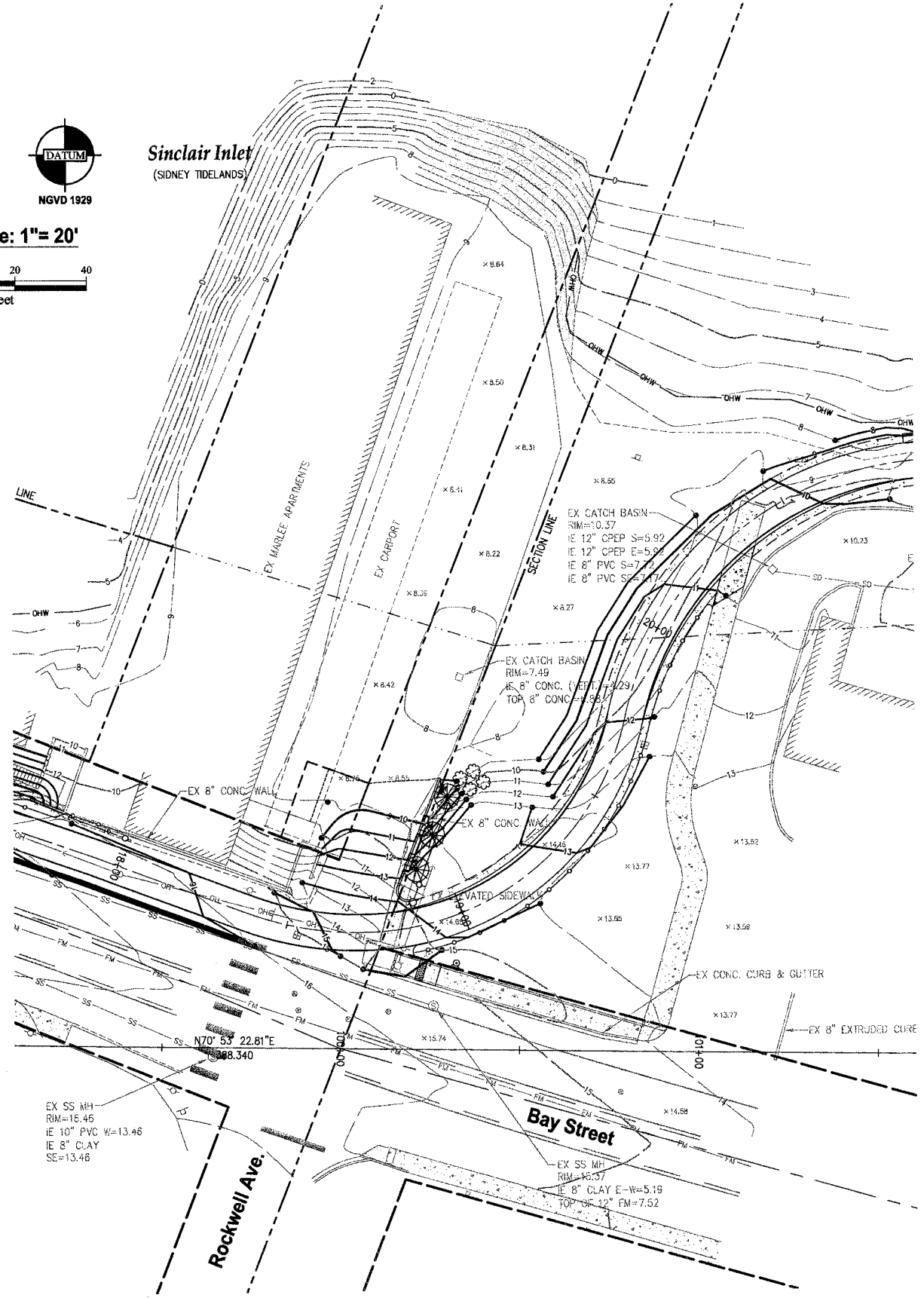
FOR: **City of Port Orchard**
 216 Prospect Street
 Port Orchard, WA 98366

SCALE:	1"= 20'
DATE:	Sep. 12, 2012
DRAWING NUMBER	097337-407261
SHEET	L1.1

C:\projects\7337 MOSQUITO FLEET TRAIL\plan\7337 LANDSCAPING.dwg, 9/14/2012 2:13:04 PM, Thompson, Oct 10/2012, Oct 10/2012



Sinclair Inlet
(SIDNEY TIDELANDS)



C:\projects\7337 MOSQUITO FLEET TRAIL.dwg 9/14/2012 2:22:15 PM Thompson, WLOOPAA\Doc 1105700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

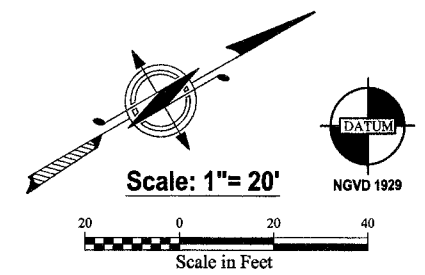
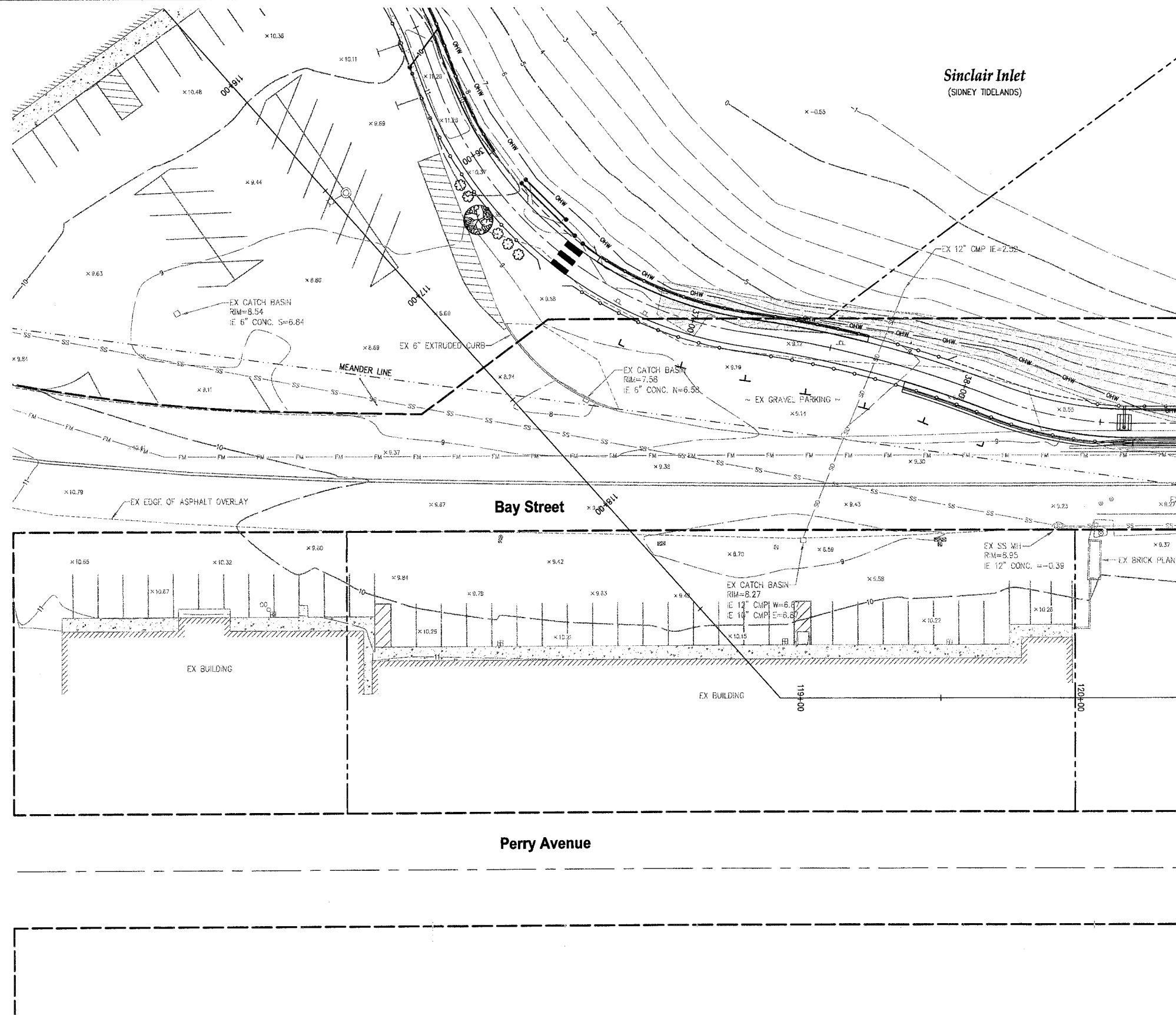
BY	DATE
DESIGNED RPJ	9/12
DRAWN JAT	9/12
CHECKED NLOH	9/12
APPROVED	
ACCEPTED	

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN 3
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407262
SHEET L1.2



C:\projects\7337 MOSQUITO FLEET TRAIL\dwg\7337 LANDSCAPING.dwg, 9/12/2012 1:50:31 PM, jthompson, \NLO\pawode\TDS\00

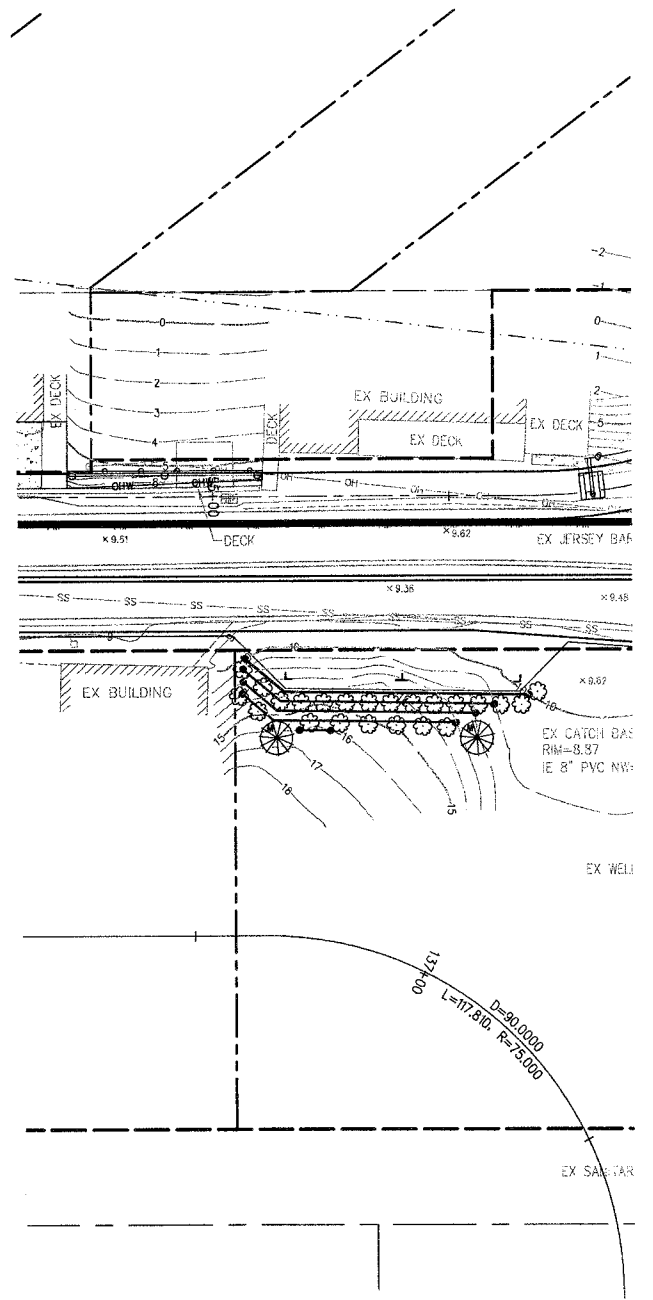
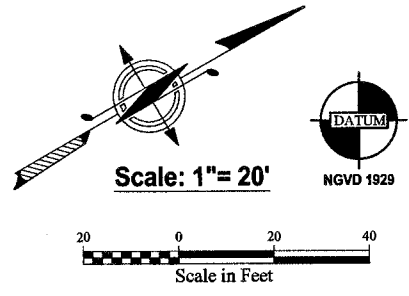
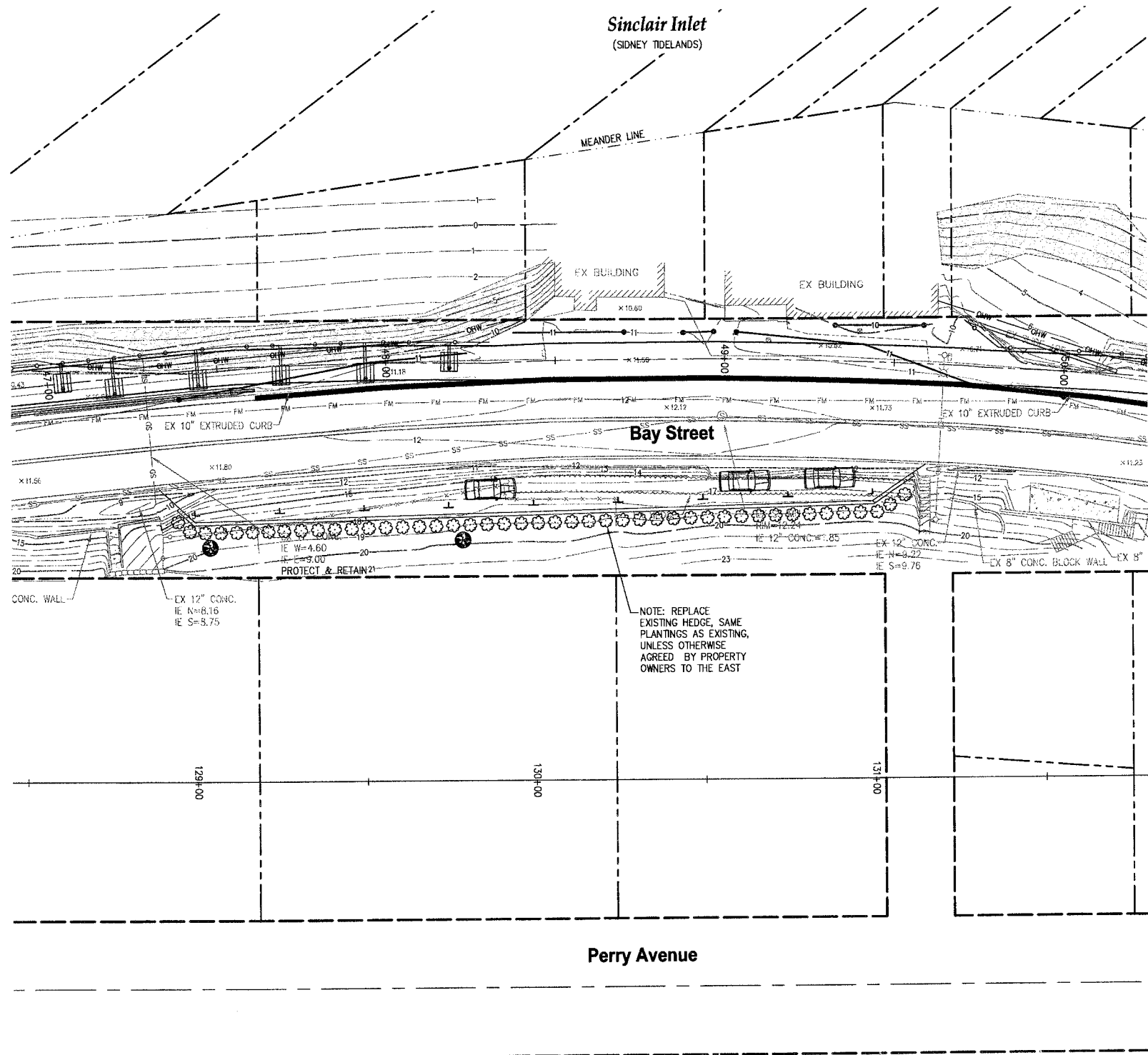
REVISIONS			
NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER 097337-407263
SHEET L1.3



C:\projects\7337 MOSQUITO FLEET TRAIL\plan\7337 LANDSCAPING.dwg, 9/14/2012 1:55:18 PM, jrompser, UNLOCKED, T15700

REVISIONS			
NO.	DATE	BY	DESCRIPTION

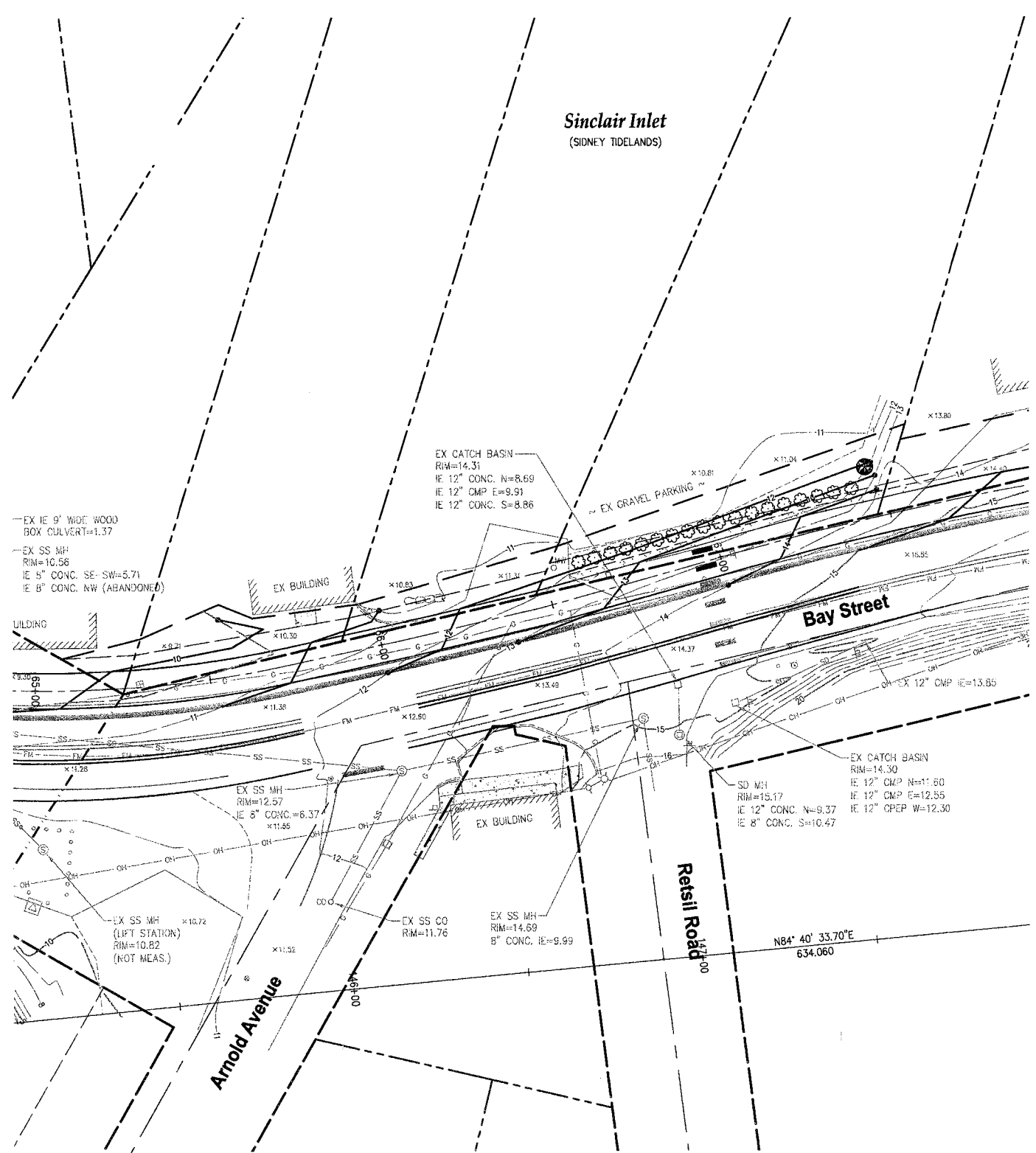
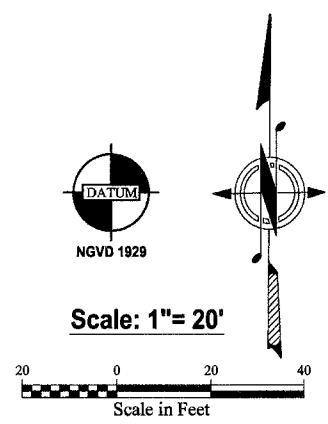
	BY	DATE
DESIGNED	RPJ	9/12
DRAWN	JAT	9/12
CHECKED	NLOII	9/12
APPROVED		
ACCEPTED		

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN 5
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail
Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
216 Prospect Street
Port Orchard, WA 98366

SCALE: 1" = 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407264
SHEET L1.4



C:\projects\337 MOSQUITO FLEET TRAIL\dwg\337 FINAL TRAIL REV17337.LANDSCAPING.dwg, 9/14/2012 1:56:48 PM, jbransen, UNLOCKED (Doc ID: 125700)

REVISIONS			
NO.	DATE	BY	DESCRIPTION

N.L. Olson & Associates, Inc.
 Engineering, Planning and Surveying
 (360) 895-2350 or (360) 876-2284
 2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366

LANDSCAPING PLAN 6
City of Port Orchard Pedestrian Enhancement Project
Mosquito Fleet Trail

Situate Within Gov't. Lots 1, 2, 3 and 4, Section 25 and within Gov't. Lots 3 and 4, Section 26, Township 24 North, Range 1 East, W.M., City of Port Orchard, Kitsap County, Washington.

FOR:
City of Port Orchard
 216 Prospect Street
 Port Orchard, WA 98366

SCALE: 1"= 20'
DATE: Sep. 12, 2012
DRAWING NUMBER
097337-407265
SHEET L1.5