WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

NORTH BAY ACCESS SITE PARKING AREA EXPANSION MN:A671:13-1

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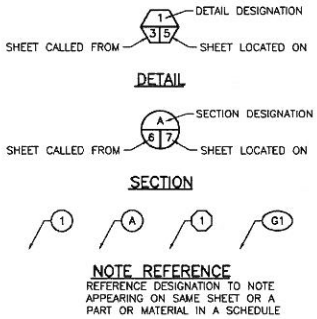
SHEET SYMBOLS

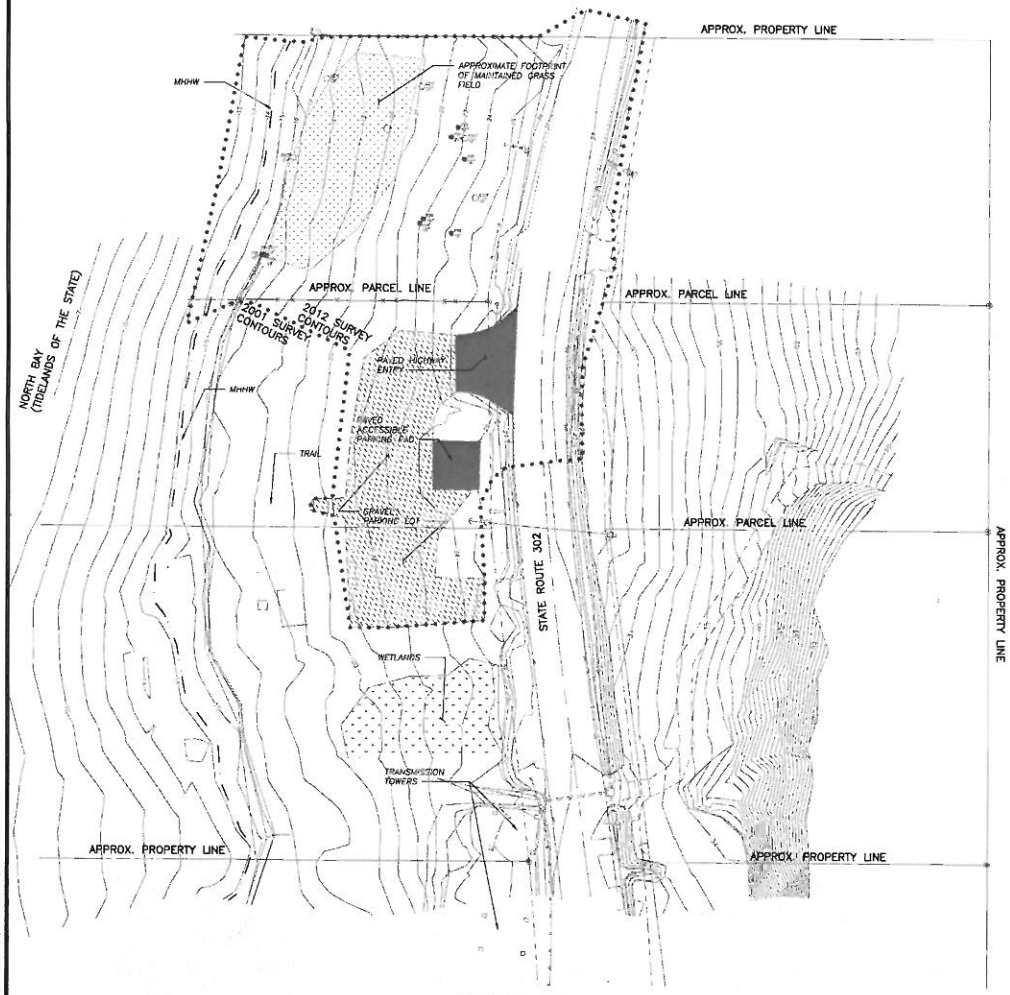


ABBREVIATIONS

ALUM	–	ALUMINUM
L	–	ANGLE
APPROX.	–	APPROXIMATELY
BM	–	BENCH MARK
CL	–	CENTERLINE
CLR.	–	CLEARANCE
CONC	–	CONCRETE
ø	–	DIAMETER
ELEV	–	ELEVATION
F.B.	–	FLAT BAR
F.C.	–	FISH CONDUIT
FTG	–	FOOTING
F.W.	–	FISHWAY
GALV	–	GALVANIZED
GA.	–	GAUGE
HSS	–	STRUCTURAL TUBING
ID	–	INSIDE DIAMETER
IE	–	INVERT ELEVATION
LFW	–	LOWER FISHWAY
LG	–	LONG
M.B.	–	MACHINE BOLT
MIN	–	MINIMUM
MFG.	–	MANUFACTURER'S
MISC.	–	MISCELLANEOUS
MOD.	–	MODEL
NPGIS	–	NON POLLUTION GENERATING IMPERVIOUS SURFACE
NPGPS	–	NON POLLUTION GENERATING PERVIOUS SURFACE
OC	–	ON CENTER
OSB	–	ORIENTED STRAND BOARD
OD	–	OUTSIDE DIAMETER
PAV'T	–	ASPHALT CONCRETE PAVEMENT
PGIS	–	POLLUTION GENERATING IMPERVIOUS SURFACE
PGPS	–	POLLUTION GENERATING PERVIOUS SURFACE
PAV'T	–	ASPHALT CONCRETE PAVEMENT
PL	–	PLATE
PT	–	PRESSURE TREATED
REQ'D	–	REQUIRED
SCH	–	SCHEDULE
SEC.	–	SECTION
S.F.	–	SQUARE FEET
SHT.	–	SHEET
SPEC'S.	–	PROJECT SPECIFICATIONS
SQ.	–	SQUARE
S.S.	–	STAINLESS STEEL
TYP	–	TYPICAL
UFW	–	UPPER FISHWAY
WAC	–	WASHINGTON ADMINISTRATIVE CODE
W.S.	–	WATER SURFACE
WSDOT	–	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

PERMIT DRAWINGS

PROJECT NO. MN:A671:13-1	
SHEET 1	OF 12

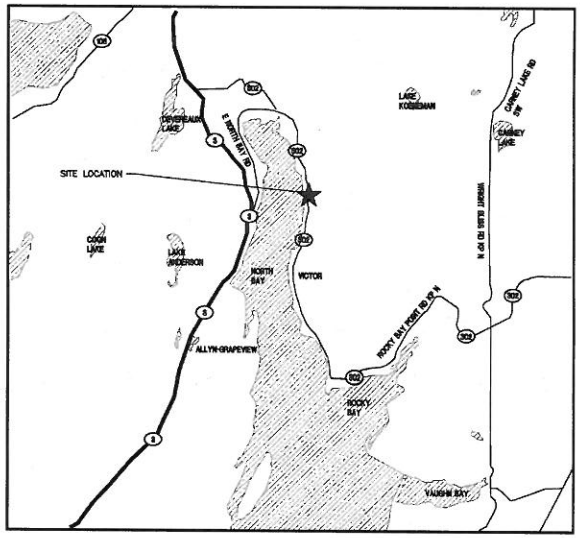


EXISTING SITE PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
0 15 30 60 120
1 inch = 30 ft.

N

STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

PERMIT DRAWINGS

kpff Consulting Engineers
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Fax (253) 396-0162

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS (0 — 1")

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
EXISTING SITE
AND VICINITY MAP

PROJECT NO. MN:A671:13-1

SHEET 2 OF 12

File: M:\2012\12225.00 North Bay\Drawings\Acad\12x2000 (EXIST SITE PLAN).dwg TAB:SHEET 2
Plotted: 1/17/13 at 3:46pm By: jholenbach
XREFs: A-NORTH_1 (Model) A-SURVEY (5412051TOPO.dwg) A-SURVEY (2012cont) A-SURVEY (2012cont) A-MHHW NEW CONTOUR BOUNDARY

GENERAL NOTES

1. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE COUNTY, WDFW AND THE CONTRACTOR.
2. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
3. GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
4. IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK. EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
5. ALL UTILITY TRENCHES AND ROADWAY SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT DENSITY, STANDARD PROCTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY. WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY MASON COUNTY.

SURVEY NOTES:

1. BASIS OF BEARING IS ASSUMED BASED ON WASHINGTON DEPARTMENT OF FISH AND WILDLIFE SURVEY DATED 01/2001, ON FILE AT THE OFFICE OF KPFF CONSULTING ENGINEERS.
2. VERTICAL DATUM IS ASSUMED DATUM BASED ON WASHINGTON DEPARTMENT OF FISH AND WILDLIFE SURVEY DATED 01/2001, ON FILE AT THE OFFICE OF KPFF CONSULTING ENGINEERS. SAID SURVEY REFERENCES MEAN LOWER LOW WATER AT 0.00 FEET, AND TIES TO TIDAL BENCHMARKS. TIDAL DATUM NOT CONFIRMED BY THIS SURVEY.
3. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON MASON COUNTY SHORT PLAT, RECORDED IN VOLUME 472 AT PAGE 1142, UNDER AUDITOR'S FILE NUMBER 521410, RECORDS OF MASON COUNTY, WASHINGTON. ALL BOUNDARY LINES AND RIGHT OF WAY LINES SHOWN HEREON ARE BASED ON SAID SHORT PLAT, AND SHOULD BE CONSIDERED APPROXIMATE ONLY. NO TITLE REPORT WAS OBTAINED BY THIS SURVEY.
4. THE ORDINARY HIGH WATER MARK (MEAN HIGH TIDE) FOR THIS SURVEY WAS DELINEATED BY GEOENGINEERS. THE MOST RECENT TIDAL EPOCH ESTABLISHED THE MEAN HIGH TIDE AT THE 13.28 FEET ELEVATION AND IS THE TRUE BOUNDARY BETWEEN THE UPLANDS AND TIDELANDS.
5. UNDERGROUND UTILITIES ARE NOT A PART OF THIS SURVEY, ONLY SURFACE FEATURE ARE SHOWN.
6. BASE MAP HAS BEEN DEVELOPED FROM TOPOGRAPHIC SURVEY PERFORMED BY KPFF CONSULTING ENGINEERS IN NOVEMBER 2012 AND WDFW PROVIDED SURVEY DATED JANUARY 2001.

UTILITY NOTES:

1. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITIES CONDUITS AND PIPES ARE NOT SHOWN. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL POTHOLE OR OTHERWISE CONFIRM CONDITIONS PRIOR TO CONSTRUCTION.
2. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE CONDUITS OR PIPELINES SHOWN AND ANY OTHER IN-SERVICE LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
3. CALL THE UNDERGROUND LOCATOR LINE (1-800-424-5555) A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

STORMWATER NOTES:

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH MASON COUNTY, WDFW STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
2. TEMPORARY EROSION /WATER POLLUTION PREVENTION MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH WSDOT SECTION 1-07.15, AS MODIFIED BY THE APWA SUPPLEMENT, OF THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS. SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES NOT PROVE ADEQUATE TO CONTROL EROSION AND SEDIMENTATION, THE APPLICANT/CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
3. ALL EROSION CONTROL AND STORMWATER FACILITIES SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION.

GENERAL EXCAVATION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL 2 WORKING DAYS BEFORE DIGGING 1-800-424-5555.

PERMIT DRAWINGS

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
GENERAL NOTES

PROJECT NO. MN:A671:13-1

SHEET 3 OF 12

File: M:\09\51\13\25.00 North Bay\Drawings\Acad\13xx003 (GEN NOTES).dwg TAB:LAYOUT 1
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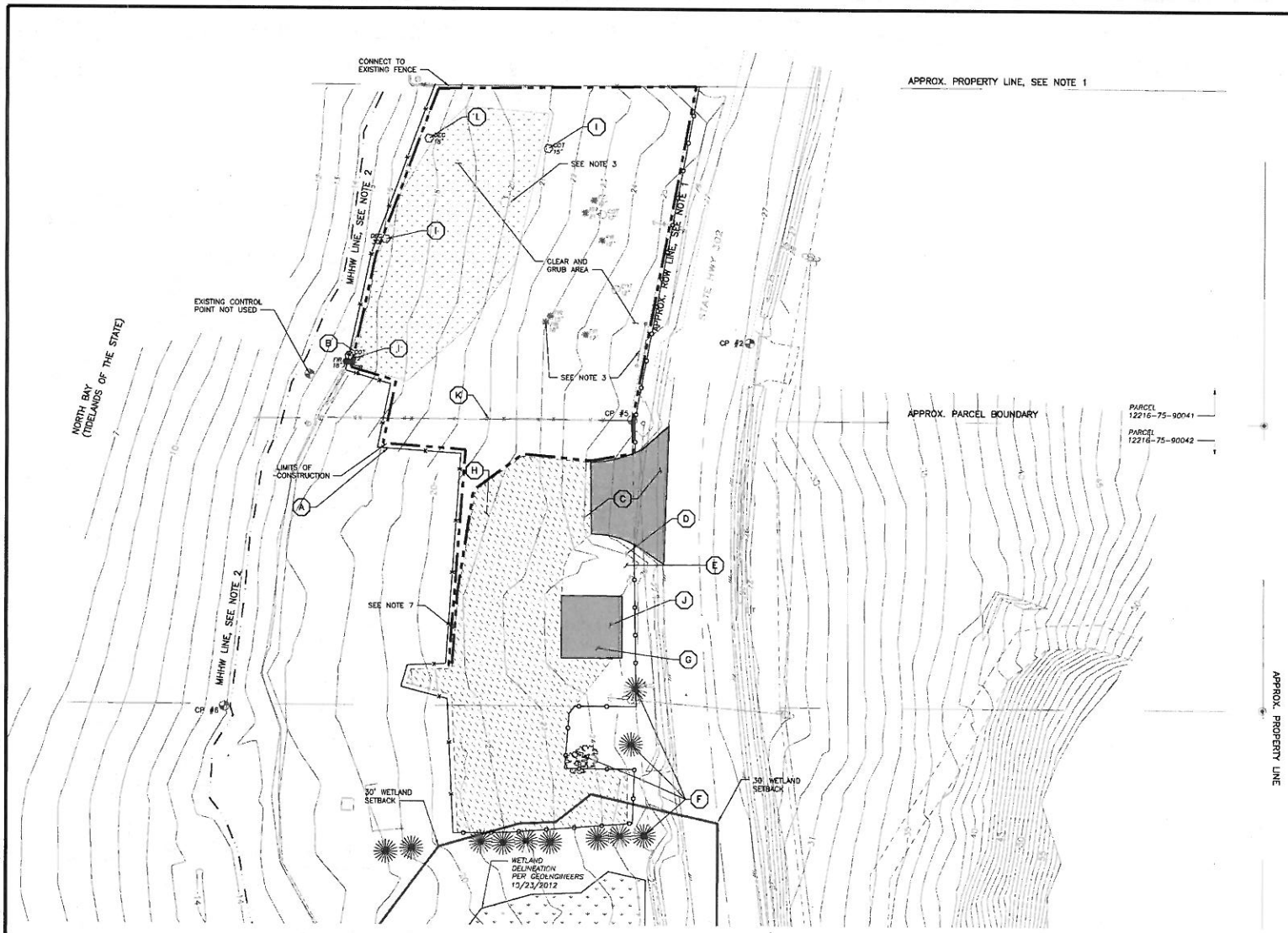

DEMOLITION PLAN
SCALE: 1" = 20'

GRAPHIC SCALE
0 10 20 40 80
1 inch = 20 ft.

N

NOTES:

1. BOUNDARY LINES NORTH OF PARCEL 12216-75-90042 ARE APPROXIMATE. A BOUNDARY SURVEY HAS NOT BEEN COMPLETED.
2. THE MHHW LINE IS BASED ON TIDAL DATUM INFORMATION AT ALLYN TAKEN FROM THE NOAA DATABASE.
3. REMOVE FIRE PIT, GATE, AND LIGHTS AND SUPPLY TO OWNER.
4. SEE TESC NOTES AND DETAILS SHEET 5 FOR EROSION AND SEDIMENT CONTROL NOTES.
5. SEE TESC NOTES AND DETAILS SHEET 5 FOR STOCKPILE PROTECTION.
6. CONTRACTOR SHALL MAINTAIN EXISTING ENTRANCE AND ENSURE THAT TRUCKS ARE NOT TRACKING ONTO SR 302 FROM SITE. CONTRACTOR SHALL STREET SWEEP AND/OR ENHANCE CONSTRUCTION ENTRANCE AS NECESSARY. SEE DETAIL 4 ON SHEET 5 FOR AN EXAMPLE OF AN APPROVED CONSTRUCTION ENTRANCE.
7. FENCE IS TO FOLLOW EXISTING BOUNDARIES TO MAXIMUM EXTENT POSSIBLE AND BE SET TO ALLOW ROOM FOR ALL ASPECTS SHOWN ON CONTROL SHEET AND IN ACCORDANCE WITH DETAILS 1 AND 3 ON TESC NOTES AND DETAILS SHEET 5.
8. SEE SHEET 6 FOR SURVEY CONTROL POINT INFORMATION.

KEY NOTES:

- (A) SILT FENCE
- (B) LIMITS OF CLEAR AND GRUB
- (C) STABILIZED CONSTRUCTION ENTRANCE (SEE NOTE 6)
- (D) PROTECT IN PLACE EXISTING ACCESS GATE
- (E) PROTECT IN PLACE EXISTING SIGN
- (F) PROTECT IN PLACE EXISTING TREES ON SOUTHEASTERN PORTIONS OF SITE
- (G) DEMOLISH AND REMOVE EXISTING ASPHALT PAD
- (H) REMOVE AND PROTECT EXISTING PRECAST CURB BUMPERS TO BE REINSTALLED
- (I) PROTECT IN PLACE EXISTING TREE AND PERFORM NO CLEAR AND GRUB WITH IN DRIPLINE OF TREE.
- (J) EXISTING PORTABLE TOILETS TO BE REMOVED BY WDFW
- (K) DEMOLISH EXISTING FENCE

LEGEND:

- EXISTING GRAVEL
- EXISTING ASPHALT
- SILT FENCE (1/4/5)
- HIGH VISIBILITY FENCE (3/4/5)
- 60' WETLAND SETBACK
- LIMITS OF CLEAR AND GRUB
- MHHW

PERMIT DRAWINGS

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

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PROGRAM DATE:

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CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
DEMOLITION AND TESC PLAN

PROJECT NO. MN:A671:13-1

SHEET 4 OF 12

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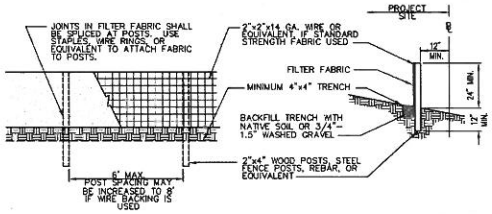
X-SURVEY (B41255 Survey)

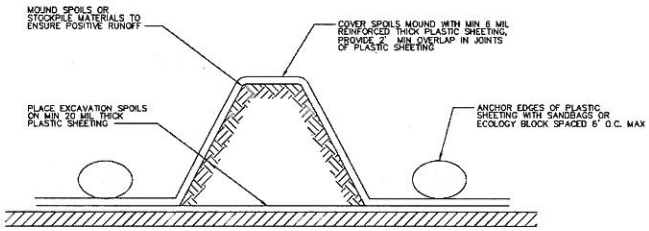


NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.

MAINTENANCE STANDARDS

1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. THE UPHILL SIDE OF THE FENCE SHALL BE INSPECTED FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6" HIGH.
5. REPLACE ANY FILTER FABRIC THAT HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN.

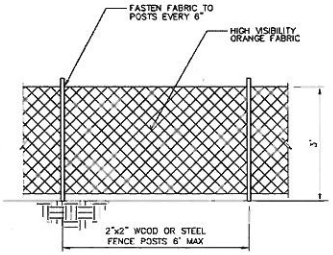
SILT FENCE (1 / 4 5)
NTS



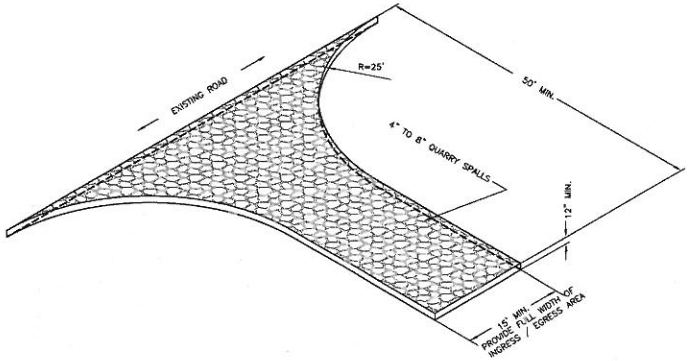
STOCKPILE PROTECTION (2 / 4 5)
NTS

EROSION AND SEDIMENTATION CONTROL (ESC) NOTES

1. FOR THE PURPOSES OF TEMPORARY EROSION/SEDIMENTATION CONTROL ON THIS PROJECT THE TERM "SEDIMENT" SHALL INCLUDE SOIL SEDIMENTS AS WELL AS SAWDUST, CONCRETE, AND OTHER DEBRIS OR PARTICULATE MATTER RESULTING FROM CONSTRUCTION ACTIVITIES.
2. ON-SITE EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH CONSTRUCTION STORMWATER PERMIT INCLUDING THE STORMWATER POLLUTION PREVENTION PLAN AND IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. ANY PROBLEMS OCCURRING BEFORE FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR.
3. IN THE EVENT THAT EROSION OR SEDIMENTATION OCCURS ON ADJACENT PROPERTY, ALL CONSTRUCTION WORK THAT WILL AGGRAVATE THE SITUATION MUST CEASE AND THE CONTRACTOR SHALL IMMEDIATELY COMMENCE RESTORATION OR MITIGATION MEASURES. RESTORATION ACTIVITY SHALL CONTINUE UNTIL SUCH TIME AS THE PROBLEM IS RECTIFIED.
4. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE FIRST STAGE OF SITE PREPARATION.
5. SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES NOT PROVE ADEQUATE TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES, AS NECESSARY, TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES AND/OR STORM DRAINAGE SYSTEMS.
6. IN ANY AREA WHICH HAS BEEN STRIPPED OF VEGETATION OR EXPERIENCED LAND DISTURBING ACTIVITIES, AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD EXCEEDING 48 HRS, ALL DISTURBED AREAS MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING OR APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION.
7. ALL NECESSARY FACILITIES SHALL BE MAINTAINED ON-SITE TO PREVENT DEBRIS, DUST AND MUD FROM ENTERING AND/OR ACCUMULATING IN THE PUBLIC RIGHT-OF-WAY.
8. THE ESC FACILITIES SHOWN ON THIS SHEET ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS DURING THE CONSTRUCTION PERIOD. THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER OR LEAVE THE SITE.
9. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO ENSURE THEIR CONTINUED FUNCTIONING.
10. THE ESC FACILITIES ON INACTIVE AREAS OF THE SITE SHALL BE CONTINUOUSLY MAINTAINED AND INSPECTED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A MAJOR STORM EVENT.
11. THE CONTRACTOR SHALL PROTECT STOCKPILE AND EXCAVATION AREAS FROM THE RELEASE OF SEDIMENT. STOCKPILES SHALL BE COVERED AT ALL TIMES WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY.
12. SANDBAGS, GEOFABRIC AND/OR OTHER METHODS SHALL BE USED AROUND STOCKPILE AND EXCAVATION AREAS TO PREVENT RUNOFF OF SEDIMENTS.
13. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL REMAIN UNTIL FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY CONTROLS ARE NO LONGER NEEDED, WHICHEVER IS LATER. TRAPPED SEDIMENT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.



HIGH VISIBILITY FENCE (3 / 4 5)
NTS



OPTIONAL STABILIZED CONSTRUCTION ENTRANCE (4 / 4 5)
NTS

PERMIT DRAWINGS

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Tacoma, Washington 98407
(253) 396-0150
Fax (253) 396-0162

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY RLO
CHECKED BY SAK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
TESC NOTES AND DETAILS

PROJECT NO. MN:A671:13-1

SHEET 5 OF 12

File: M:\2013\1722\5.50 North Bay\Drawings\Acad 12\dc008 (DEMO & TESC NOTES).dwg TAB: SHEET 5
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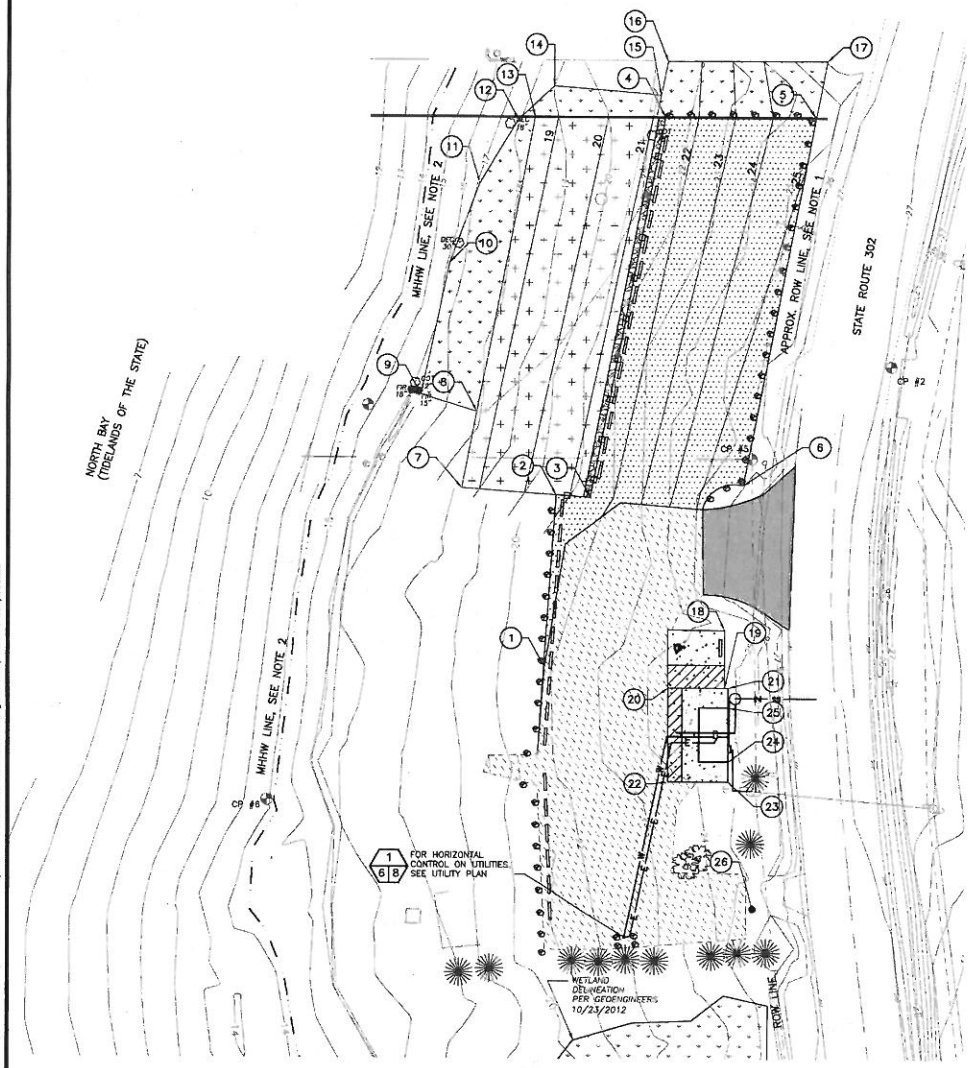
XREFs: X-WDFW_T-Block



SITE PLAN
SCALE: 1" = 20'

HORIZONTAL CONTROL			
POINT	NORTHING	EASTING	DESCRIPTION
1	100,139.34	99,901.85	xxx
2	100,200.27	99,905.83	xxx
3	100,199.40	99,917.82	xxx
4	100,333.09	99,944.12	xxx
5	100,332.99	99,997.10	xxx
6	100,203.72	99,971.67	xxx
7	100,202.71	99,872.61	xxx
8	100,229.69	99,877.92	xxx
9	100,235.68	99,858.22	xxx
10	100,282.07	99,868.17	xxx
11	100,310.03	99,878.75	xxx
12	100,332.27	99,892.38	xxx
13	100,333.17	99,898.28	xxx
14	100,344.15	99,904.92	xxx
15	100,340.77	99,942.52	xxx
16	100,352.81	99,945.00	xxx
17	100,352.98	100,001.03	xxx
18	100,152.64	99,965.21	xxx
19	100,132.14	99,965.21	xxx
20	100,132.16	99,945.29	xxx
21	100,132.14	99,966.54	xxx
22	100,099.16	99,945.29	xxx
23	100,099.14	99,966.54	xxx
24	100,106.14	99,966.54	xxx
25	100,125.14	99,966.54	xxx
26	100,054.93	99,975.16	xxx

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 2	100245.76	100023.66	26.90	FND B&C
CP 5	100213.05	99974.62	–	FND B&C
CP 6	100092.48	99804.22	–	FND B&C

GRAPHIC SCALE
0 10 20 40 80
1 inch = 20 ft.

N

LEGEND:

- WATER LINE
- SANITARY SEWER
- ELECTRICAL
- VEGETATED FILTER STRIP
- PROPOSED GRAVEL (1/7/9)
- PROPOSED CONCRETE (2/7/9)
- EXISTING GRAVEL
- EXISTING ASPHALT
- MEAN HIGHER HIGH WATER LINE
- 60' WETLAND SETBACK
- 1 MAN BOULDER (8' SPACING)
- PLANTED AREA (SEE PLANTING PLAN, SHEET 12)
- PRECAST CURB BUMPER
- TWISTED WIRE FENCE

PERMIT DRAWINGS

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

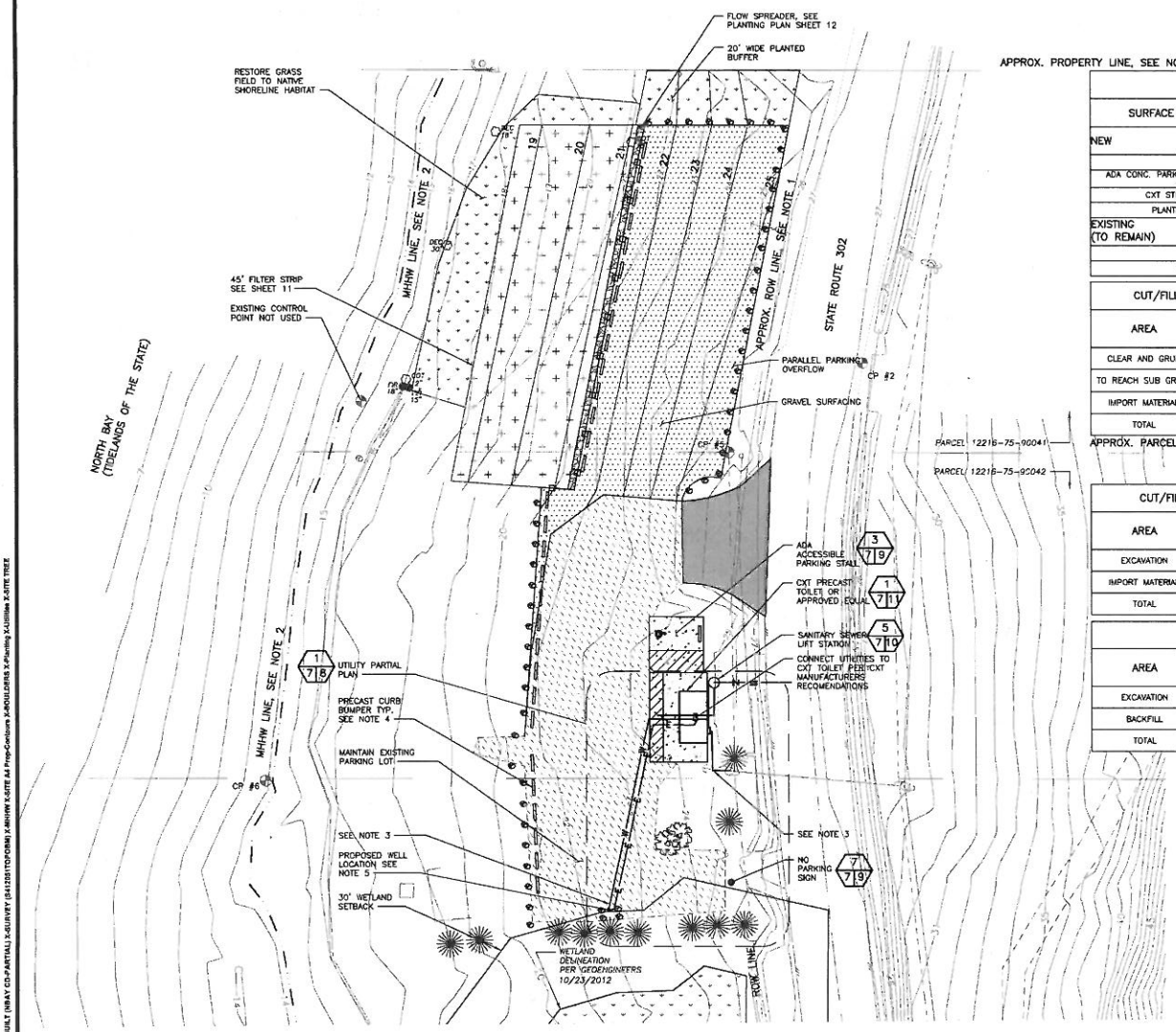
0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
HORIZONTAL CONTROL PLAN

PROJECT NO. MN:A671:13-1
SHEET 6 OF 12

File: M:\2012\11235-50 North Bay\Drawings\Acad\7acad06 (CONTROL PLAN).dwg T:\AB SHEET 4
Plotted: 1/25/13 at 9:48am By: swalker
XREFs: X-WKDPM_7-Block X-SURVEY (201 Lines) X-ABSBUILT (NBAY CD-P-PARTIAL) X-MHHW X-SITE AA Prop-Contours X-SITE TREE X-BOULDERS X-Planting X-SURVEY (5412351TOPOline) X-Utilities



SITE PLAN
SCALE: 1" = 20'

SURFACE QUANTITIES		
SURFACE	TYPE (SEE NOTE 7)	AREA (AC)
NEW		
GRAVEL	PGIS	0.17
ADA CONC. PARKING AND CXT PAD	PGIS	0.02
CXT STRUCTURE	NPGIS	0.004
PLANTED AREA	NPGPS	0.21
EXISTING (TO REMAIN)		
GRAVEL	PGIS	0.19
ASPHALT	PGIS	0.03

CUT/FILL QUANTITIES – PARKING/PLANTING AREA			
AREA	CUT (CUBIC YARDS)	FILL (CUBIC YARDS)	NET (CUBIC YARDS)
CLEAR AND GRUB	311	0	-311 CUT
TO REACH SUB GRADE	108	48	-60 CUT
IMPORT MATERIAL	0	354	354 FILL
TOTAL	419	402	-17 CUT

CUT/FILL QUANTITIES – CONCRETE PAD/TOILET			
AREA	CUT (CUBIC YARDS)	FILL (CUBIC YARDS)	NET (CUBIC YARDS)
EXCAVATION	39	0	-39 CUT
IMPORT MATERIAL	0	38	38 FILL
TOTAL	39	38	-1 CUT

CUT/FILL QUANTITIES – UTILITY			
AREA	CUT (CUBIC YARDS)	FILL (CUBIC YARDS)	NET (CUBIC YARDS)
EXCAVATION	80	0	-80 CUT
BACKFILL	0	80	80 FILL
TOTAL	80	80	0

GRAPHIC SCALE
0 10 20 40 80
1 inch = 20 ft.

N

NOTES:
1. BOUNDARY LINES NORTH OF PARCEL 12216-75-90042 ARE APPROXIMATE. A BOUNDARY SURVEY HAS NOT BEEN COMPLETED.
2. THE MHHW LINE IS BASED ON TIDAL DATUM INFORMATION AT ALLYN TAKEN FROM THE NOAA DATABASE.
3. TRENCHING FOR UTILITIES SHALL BE PER DETAILS 1, 2, 3, AND 4 ON SHEET 10.
4. IT IS ANTICIPATED THAT 11 PRECAST CURB BUMPERS CAN BE SALVAGED FROM CURRENT PARKING LOT AND REUSED.
5. THE PROPOSED WELL LOCATION IS ONLY VALID FOR A NON-POTABLE WATER WELL.
6. SEE SHEET 6 FOR SURVEY CONTROL POINT INFORMATION.
7. SURFACE TYPE ABBREVIATIONS ARE PER THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON FROM THE DEPARTMENT OF ECOLOGY. SEE SHEET 1 FOR SURFACE TYPE DEFINITIONS.

LEGEND:
- W — WATER LINE
- SS — SANITARY SEWER
- E — ELECTRICAL
- VEGETATED FILTER STRIP
- PROPOSED GRAVEL (1/7 9)
- PROPOSED CONCRETE (2/7 9)
- EXISTING GRAVEL
- EXISTING ASPHALT
- MEAN HIGHER HIGH WATER LINE
- 60' WETLAND SETBACK
- 1 MAN BOULDER
- PLANTED AREA (SEE PLANTING PLAN, SHEET 12)
- PRECAST CURB BUMPER
- TWISTED WIRE FENCE

PERMIT DRAWINGS

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2407 North 31st Street, Suite 100
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Fax (253) 396-0162

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

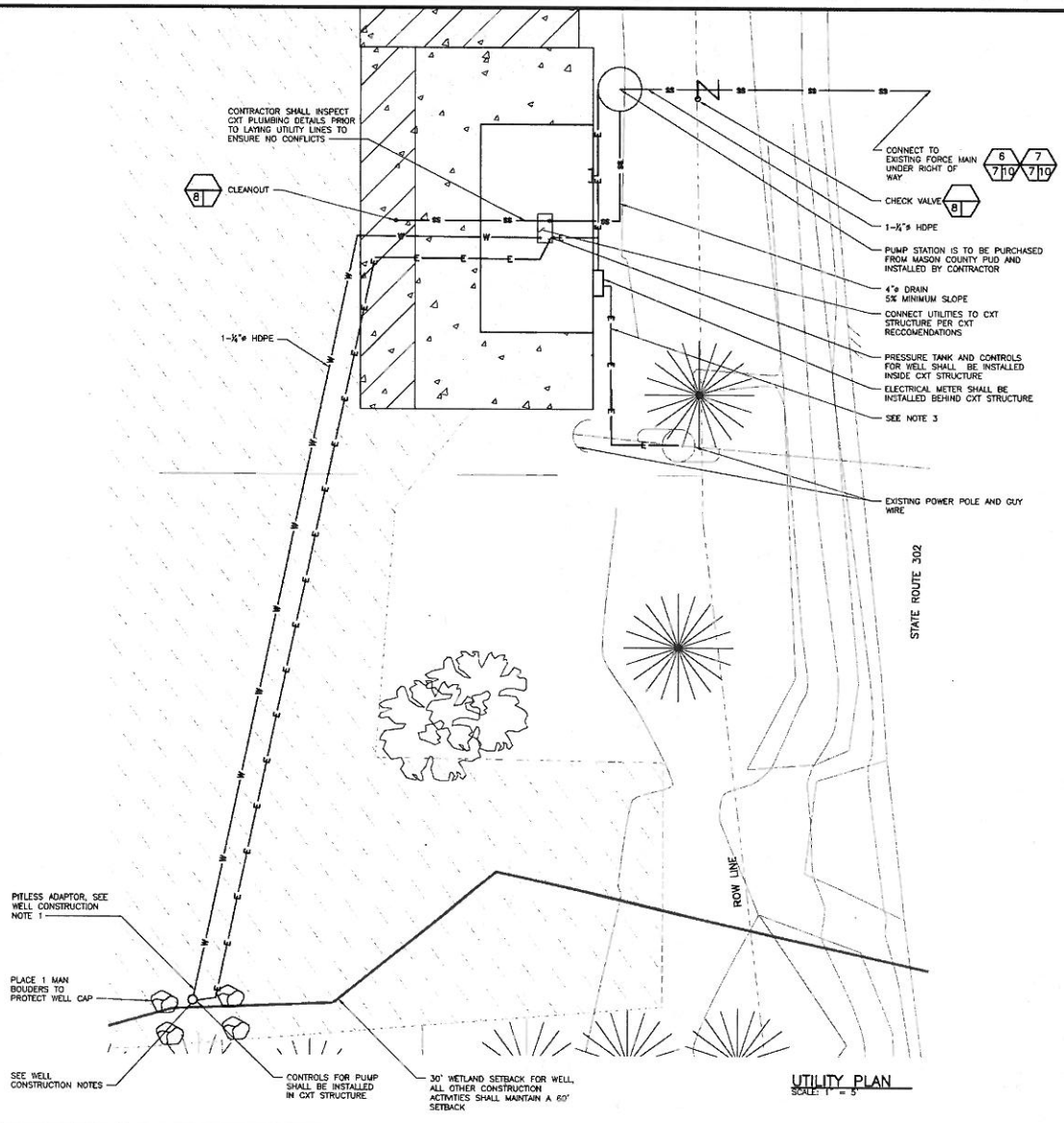
0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
SITE PLAN

PROJECT NO. MN:A671:13-1
SHEET 7 OF 12

File: M:\671\13\03.00 North Bay\Drawings\Acad13\acad07 (SITE PLAN).dwg 31AB-SHEET 4
Plotted: 1/22/13 at 1:11pm By: ralphw
XREFs: X-WKPW_Y-Block X-SURVEY (261cases) X-ASBUILT (NBAY CD-PARTIAL) X-SURVEY (841205TOPOBM) X-MHHW X-SITE A4 PropContours X-BOULDERS X-Planting X-Utilities X-SITE TREE



UTILITY PLAN
SCALE: 1" = 5'

GRAPHIC SCALE
0 2.5 5 10 20
1 inch = 5 ft.

N

NOTES:
1. TRENCHING FOR UTILITIES SHALL BE PER DETAILS 1, 2, 3, AND 4 ON SHEET 9.
2. SEE SHEET 6 FOR SURVEY CONTROL POINT INFORMATION.
3. THE PORTION OF THE ELECTRICAL INSTALLATION FROM THE POLE TO THE METER SHALL BE PERFORMED BY THE UTILITY COMPANY. MATERIALS AND COORDINATION TO BE SUPPLIED BY CONTRACTOR.
4. 30' WETLAND SETBACK IS FOR THE WELL AND WELL RELATED CONSTRUCTION. ALL OTHER CONSTRUCTION ACTIVITIES SHALL MAINTAIN A 60' MINIMUM WETLAND BUFFER UNLESS OTHERWISE DIRECTED IN PLANS.

WELL CONSTRUCTION NOTES:
1. WELL SHALL BE CONSTRUCTED WITH 1-¾"ø PITLESS ADAPTOR TO CONNECT WELL TO 1-¾"ø WATER LINE TO PRESSURE TANK LOCATED IN CXT STRUCTURE.
2. PROPOSED WELL SITING LOCATION IS ONLY VALID FOR A NON-POTABLE WATER WELL.
3. WELL SHALL BE CONSTRUCTED TO COMPLY WITH ANY AND ALL STATE AND COUNTY REGULATIONS INCLUDING WAC 173.
4. IT IS ANTICIPATED THAT THE DRILLING DEPTH FOR THE WELL IS APPROXIMATELY 50 FEET, AND THAT THE WELL WILL BE AN ARTESIAN WELL AND WILL REQUIRE A FLOWING WELL SEAL. IF WELL IS NOT AN ARTESIAN WELL, A LOCK CAP SHALL BE INSTALLED.
5. PRESSURE TANK FOR WELL IS TO BE PROVIDED AND INSTALLED BY CXT INSIDE OF CXT STRUCTRE.

LEGEND:
- W — WATER LINE
- SS — SANITARY SEWER
- E — ELECTRICAL
- PROPOSED CONCRETE (2/7/9)
- EXISTING GRAVEL
- 30' WETLAND SETBACK (SEE NOTE 4)

NOTE TO REVIEWER:
CONTROL FOR UTILITIES TO BE ADDED IN FUTURE SUBMITTALS

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(253) 396-0150
Fax (253) 396-0152

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

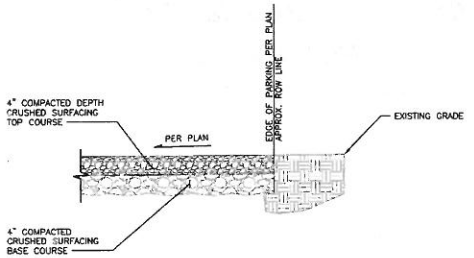
0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY SJS
CHECKED BY SMK
DRAWN BY SJS
DATE 01/09/2013

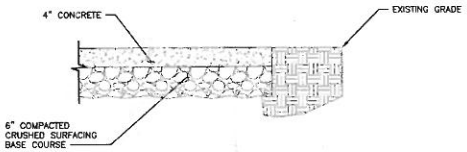
NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
UTILITY PLAN

PROJECT NO. MN:A671:13-1
SHEET 8 OF 12

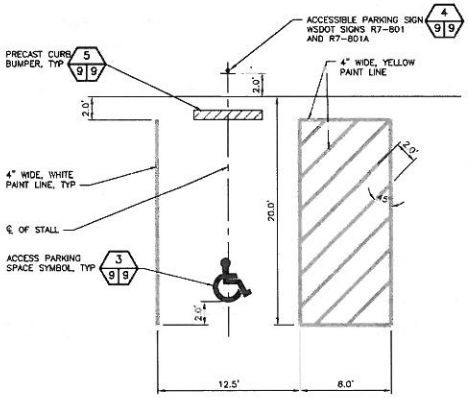
File: N:\671\11226.00 North Bay\Drawings\Acad\12x36\08 (UTILITY PLAN).dwg TAB:SHEET 4
Plotted: 1/17/13 at 4:33 pm by Steve Jones
XREFs: X-HDPW_T-elicos X-SURVEY (3/1case) X-ASBUILT (NBAY CD-PARTIAL) X-SURVEY (8412581TOPOMB) X-MEHOW X-SITE All Prop-Contours X-SITE TREE X-BOULDERS X-Planting X-Utilities



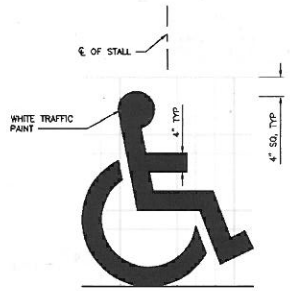
GRAVEL PARKING LOT (1/7|9)
NTS



CONCRETE PAVEMENT (2/7|9)
NTS

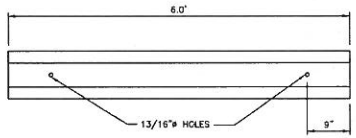


ACCESSIBLE PARKING STALLS (3/7|9)
SCALE: 1" = 5'

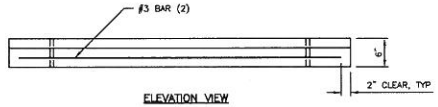


ACCESSIBLE PARKING SPACE SYMBOL (4/9|9)
SCALE: 1" = 1'

NOTES:
1. THE NON-SHRINK GROUT USED TO ATTACH THE PRECAST CURB SHALL CONSIST OF 3:1 SAND AND CEMENT. GROUT TO A DEPTH OF 1" FROM THE TOP OF THE BUMPER.
2. LOCATIONS FOR WEEPHOLES AND V-SLOTS SHALL BE IDENTIFIED ON THE DELIVERY ORDER DRAWINGS
3. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

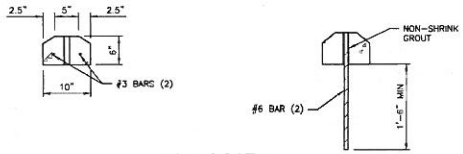


PLAN VIEW

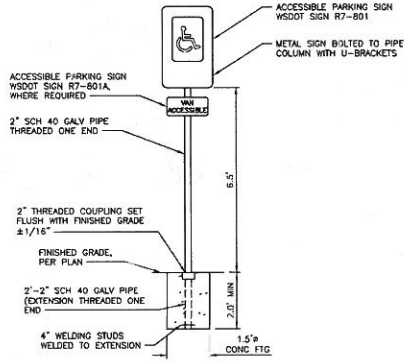


ELEVATION VIEW

PRECAST CURB BUMPER DETAIL

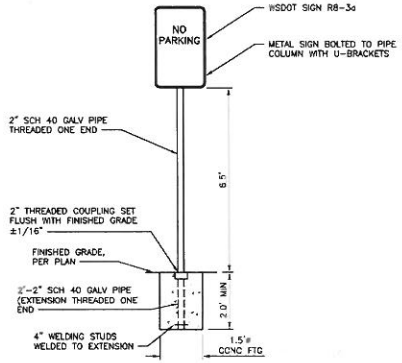


ATTACHMENT DETAIL



ACCESSIBLE PARKING SIGN (5/9|9)
SCALE: 1" = 5'

PRECAST CURB BUMPER AND ATTACHMENT DETAIL (6/9|9)
SCALE: 1" = 1'



NO PARKING SIGN (7/7|9)
SCALE: 1" = 5'

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

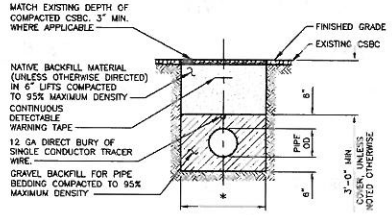
0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
DETAILS AND SECTIONS

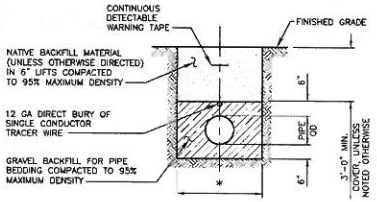
PROJECT NO. MN:A671:13-1
SHEET 9 OF 12

File: M:\MN\671\2013-01 North Bay\Drawings\Acad\12x36\D6 (DETAILS).dwg TAB: SHEET 9
Plotted: 1/17/13 at 4:31pm By: rlo
XREFs: X:\WSFW_T_Block



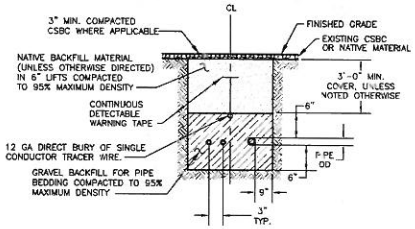
TYPICAL PIPE TRENCH EXISTING GRAVEL SITE AREAS (1/7/10)
NOT TO SCALE

* TRENCH WIDTH DIMENSIONS FOR PIPES ARE OUTSIDE DIAMETER (OD) PLUS 12"



TYPICAL PIPE TRENCH (2/7/10)
NOT TO SCALE

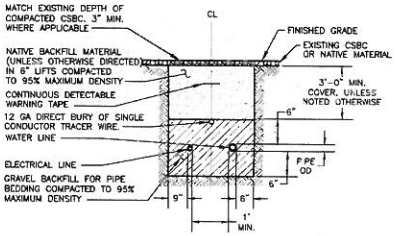
* TRENCH WIDTH DIMENSIONS FOR PIPES ARE OUTSIDE DIAMETER (OD) PLUS 12"



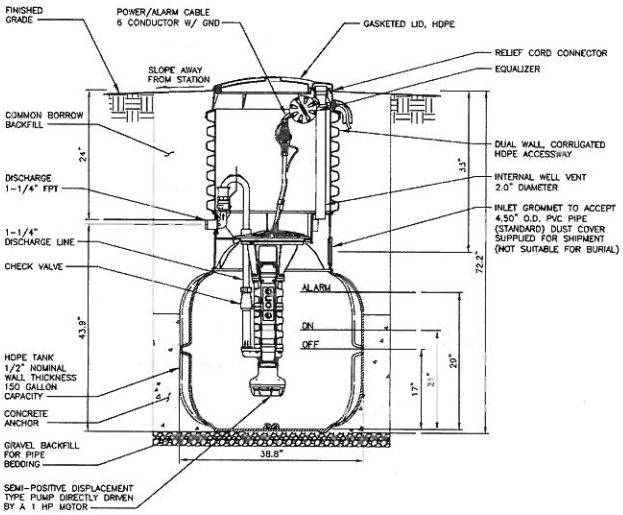
TYPICAL ELECTRICAL TRENCH (3/7/10)
NOT TO SCALE

NOTE:

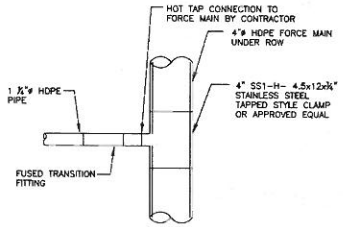
1. WATER AND ELECTRICAL PIPES CAN SHARE A TRENCH. WHEN APPLICABLE AT LEAST 1' CLEARANCE BETWEEN WATER AND ELECTRICAL PIPES SHALL BE MAINTAINED.



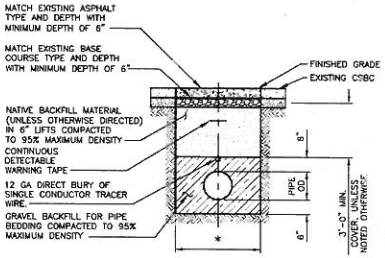
TYPICAL SHARED TRENCH (4/7/10)
NOT TO SCALE



E/ONE DH 151-74 PUMP STATION (5/7/10)
NOT TO SCALE



HDPE CONNECTION TO MAIN (6/7/10)
NOT TO SCALE



SANITARY SEWER IN RIGHT OF WAY (7/7/10)
NOT TO SCALE

* TRENCH WIDTH DIMENSIONS FOR PIPES ARE OUTSIDE DIAMETER (OD) PLUS 12"

NOTES:

1. ALL WORK IN ROW SHOULD BE DONE PER WSDOT STANDARDS

PERMIT DRAWINGS

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Tacoma, Washington 98407
(253) 396-0150
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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY

APPROVED AND RELEASED FOR CONSTRUCTION

CHIEF ENGINEER DATE:
PROGRAM DATE:

BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS (0 — 1")

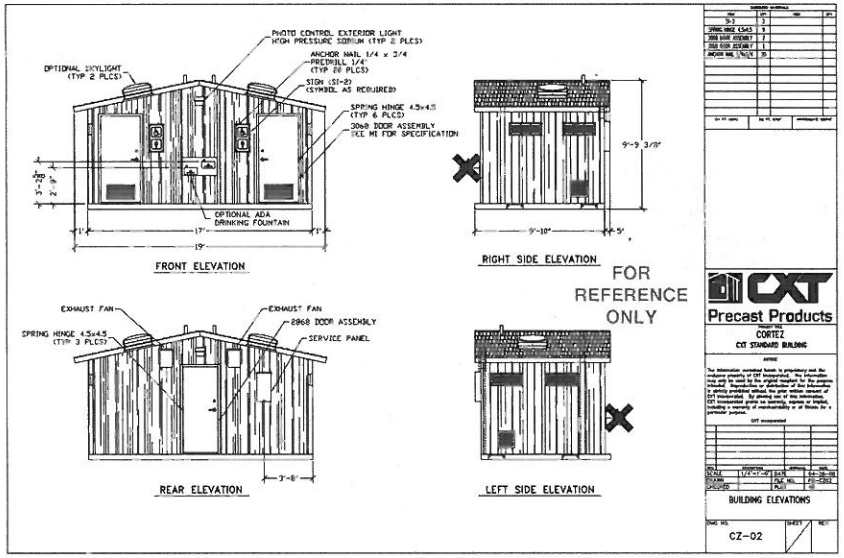
DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

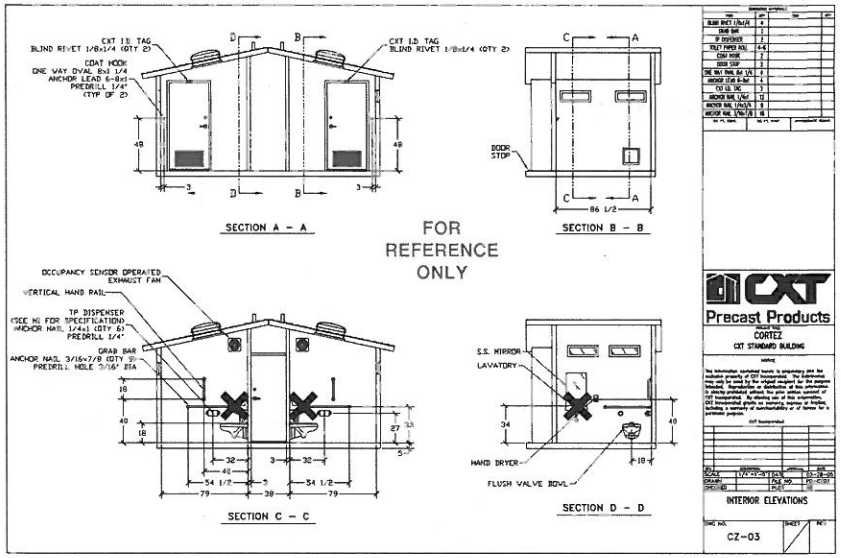
NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
DETAILS

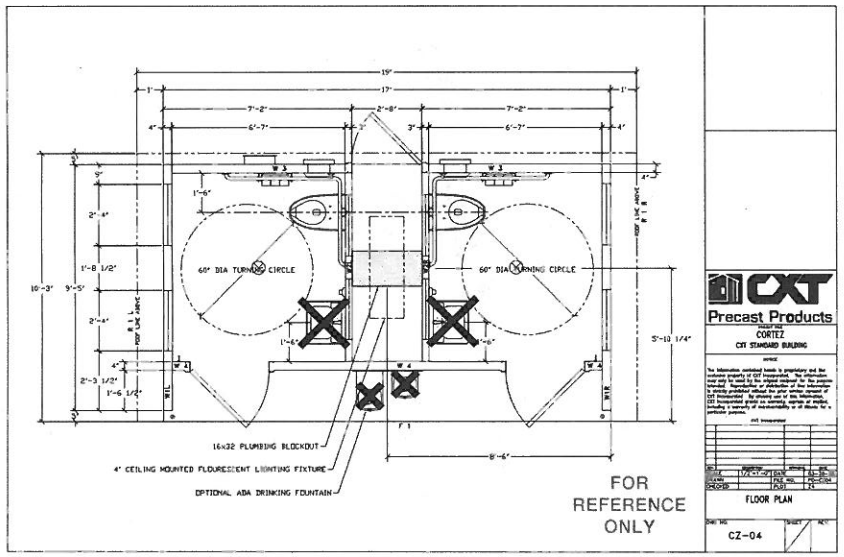
PROJECT NO. MN:A671:13-1

SHEET 10 OF 12

File: M:\671\1223.30 North Bay\Drawings\Acad 12\c810\DETAILS\dwg TAB:LAYOUT 1
Plotted: 01/11/13 4:14pm By: jhoebeck
XREFs: X-WDFW_T-block







NOTES:

1. CXT IS TO FURNISH AND INSTALL PRESSURE TANK TO BE CONNECTED TO WATER LINE FROM WELL.
2. CONTRACTOR IS TO PROVIDE UTILITY CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
3. SINKS ARE TO BE PLUMBED BUT NOT INSTALLED.
4. AREA FOR CXT BUILDING TO BE OVER EXCAVATED TO A DEPTH OF 1 FOOT. BOTTOM AREA MUST BE COMPACTED TO A MINIMUM STRENGTH OF 1,500 POUNDS PER SQUARE FOOT. AFTER COMPACTION 6" OF COMPACTED CRUSHED SURFACING TOP COURSE IS TO BE SPREAD PRIOR TO INSTALLATION OF STRUCTURE.
5. STRUCTURE TO BE FURNISHED WITH A HAND SANITIZER DISPENSER IN EACH STALL.

CXT PRECAST TOILET (1/7.1)
NTS

PERMIT DRAWINGS

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	

CHIEF ENGINEER DATE:
PROGRAM DATE:

© 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

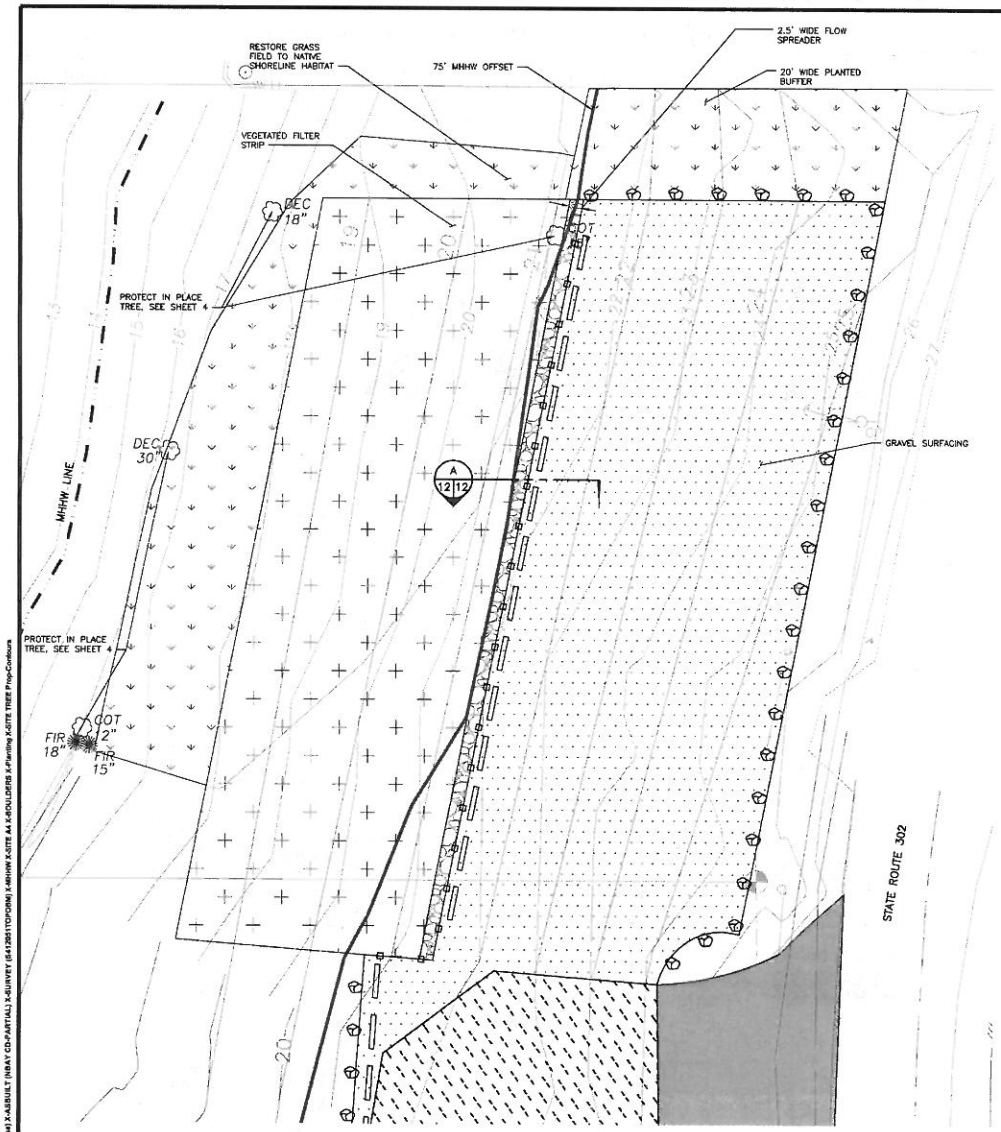
DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
DETAILS

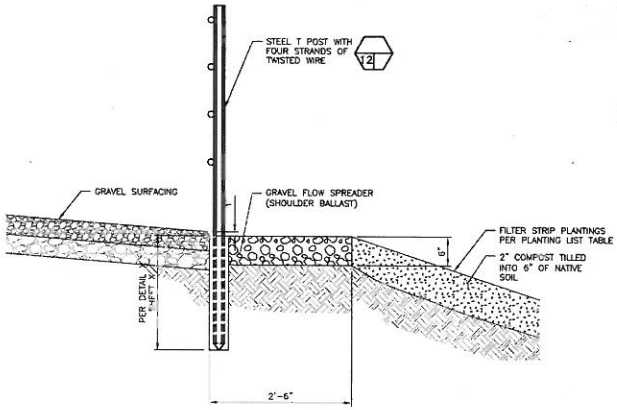
PROJECT NO. MN:A671:13-1

SHEET 11 OF 12

File: M:\2013\11223.50 North Bay\Drawings\Arch\12x36\1 (DETAILS).dwg TAB: SHEET 8
Plotted: 1/17/13 at 4:34pm By: jholzenbach
XREFS: A-FIGPTL, Clock



PLAN
SCALE: 1" = 10'



FLOW SPREADER SECTION (A 12 12)
SCALE: 1" = 1'-0"

GRAPHIC SCALE
0 5 10 20 40
1 inch = 10 ft.

N

LEGEND:

- VEGETATED FILTER STRIP
- PROPOSED GRAVEL
- PLANTED AREA
- EXISTING GRAVEL
- EXISTING ASPHALT
- MEAN HIGHER HIGH WATER LINE
- 75' MHHW OFFSET
- 1 MAN BOULDER
- TWISTED WIRE FENCE (150 LF)

VEGETATED FILTER STRIP PLANTING LIST			
PLANT SPECIES	COMMON NAME	SPACING (FEET ON CENTER)	NUMBER OF PLANTS
ROSA NUTKANA	NOOTKA ROSE	5	65
HOLODISCUS DISCOLOR	OCEAN SPRAY	5	65
MAHONIA (BERBERIS) AQUIFOLIUM	TALL OREGON GRAPE	5	65
SYMPHORICARPOS ALBUS	SNOWBERRY	5	65
	HYDROSEEDED GRASS, SEE NOTE 5	95% DENSITY	

PLANTED AREAS PLANT LIST			
PLANT SPECIES	COMMON NAME	SPACING (FEET ON CENTER)	NUMBER OF PLANTS
ROSA NUTKANA	NOOTKA ROSE	3	93
HOLODISCUS DISCOLOR	OCEAN SPRAY	3	93
MAHONIA (BERBERIS) AQUIFOLIUM	TALL OREGON GRAPE	3	93
SYMPHORICARPOS ALBUS	SNOWBERRY	3	93

NOTES:

1. KEEP ROOTS MOIST UNTIL PLANTING.
2. AFTER PLANTING ALL PLANTS SHALL BE BE MULCHED WITH 2" DIAMETER X 3" THICK LAYER OF COURSE BARK, SEE SPECIFICATIONS.
3. PLANTINGS SHALL BE WATERED AND KEPT MOIST AT LEAST THROUGH MID-OCTOBER.
4. ALL PLANTED AREAS SHALL BE COMPOST-AMMENDED TO A MINIMUM OF 10% ORGANIC CONTENT, SEE SPECIFICATIONS.
5. SEE SPECIFICATIONS FOR HYDROSEED GRASS MIX AND APPLICATION REQUIREMENTS.

PERMIT DRAWINGS

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY

APPROVED AND RELEASED FOR CONSTRUCTION
CHIEF ENGINEER DATE:
PROGRAM DATE:

BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS
0 — 1"

DESIGNED BY RLO
CHECKED BY SWK
DRAWN BY RLO
DATE 01/09/2013

NORTH BAY ACCESS SITE
PARKING AREA EXPANSION
PLANTING PLAN

PROJECT NO. MN:A671:13-1
SHEET 12 OF 12

File: W:\2012\11235.00 North Bay\Drawings\Acss12sd013 (PLANTING PLAN).dwg TAB:SHEET 4
Plotted: 1/17/13 at 4:34pm By: jhollenbach
XREFs: X-WRPW_2-Block X-SURVEY (2012cass) X-ASBUILT (NBAY CD-PARTIAL) X-SURVEY (5412B011TOPO0NK) X-MHHW X-SITE AA X-BOUL2B16 X-Planting X-SITE TREE Prop-Contours