



US Army Corps  
of Engineers  
Seattle District



WASHINGTON STATE  
DEPARTMENT OF  
E C O L O G Y

# Joint Public Notice

## Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

**US Army Corps of Engineers**  
Regulatory Branch  
Post Office Box 3755  
Seattle, WA 98124-3755  
Telephone: (206) 764-6883  
ATTN: Darren Habel,  
Project Manager

**WA Department of Ecology**  
SEA Program  
Post Office Box 47600  
Olympia, WA 98504-7600  
Telephone: (360) 407-6068  
ATTN: SEA Program,  
Federal Permit Coordinator

**Public Notice Date: August 8, 2016**  
**Expiration Date: September 8, 2016**

**Reference No.: NWS-2014-932**  
**Name: Seattle City Light (Technical  
Training Center)**

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Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the U.S. as described below and shown on the enclosed drawings dated January 14, 2016.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

**APPLICANT:** Seattle City Light (SCL)  
Attention: Margaret Duncan  
Post Office Box 34023  
Seattle, Washington 98124-4023  
Telephone: (206) 733-9874

**LOCATION:** In wetlands at Seattle, Washington.

**WORK:** To place fill material in 2.87 acres of wetlands to construct a 13,800-square-foot specialized technical training center (TCC). The TCC will be a dedicated training center to train employees. The facility will contain an instruction building with trainings rooms, classrooms and customized specialized instruction areas. Adjacent to the instruction building will be a field yard for additional hands-on training with heavy vehicles, machinery and de-energized mock up substation and powerhouse components. The TCC will also have a 30 vehicle parking lot.

**PURPOSE:** To provide classroom and hands-on field training facilities to SCL employees who operate and maintain its electrical infrastructure.

**ADDITIONAL INFORMATION:** The wetland boundaries and/or location of the ordinary high water mark/ line of mean high water/ mean higher high water shown on the project drawings have not yet been verified by the Corps. If the Corps determines the boundaries of the wetland/waters are substantially inaccurate a new public notice may be published.

## **NWS-2014-932, Seattle City Light (Technical Training Center)**

**MITIGATION:** The applicant has submitted a draft mitigation plan for the work by proposing to restore approximately four acres of intertidal wetland consistent with the historical conditions of the Lower Duwamish. Dredge material will be removed and wetland re-establishment will occur on native soils. The proposed mitigation will replace the Category IV wetlands that currently exist on portions of the site and are separated from the Duwamish River floodplain with estuarine intertidal unconsolidated shore (mudflat), estuarine intertidal emergent wetland, estuarine intertidal scrub-shrub wetland and intertidal forested wetland - areas.

The mitigation proposed has not been reviewed or commented on by the Corps. We are currently working with SCL on the Alternatives Analysis to determine that the project location is the Least Environmental Damaging Practicable Alternative (LEDPA). However, we will welcome your comments on the draft mitigation plan. Please note that if we conclude that the preferred project location, one project location proposed, is not the LEDPA, the project will have to be revised.

**ENDANGERED SPECIES:** The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat.

After receipt of comments from this public notice, the Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area.

If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

**CULTURAL RESOURCES:** The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

**EVALUATION – CORPS:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife

## **NWS-2014-932, Seattle City Light (Technical Training Center)**

values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the U.S.

**SOURCE OF FILL MATERIAL:** The applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

**EVALUATION – ECOLOGY:** Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

**CORPS COMMENTS:** All e-mail comments should be sent to [darren.habel@usace.army.mil](mailto:darren.habel@usace.army.mil). Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Darren Habel, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

**ECOLOGY COMMENTS:** Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology,

**NWS-2014-932, Seattle City Light (Technical Training Center)**

Attention: Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to [ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov).

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Seattle City Light, NWS-2014-932.

Encl: Figures (24)



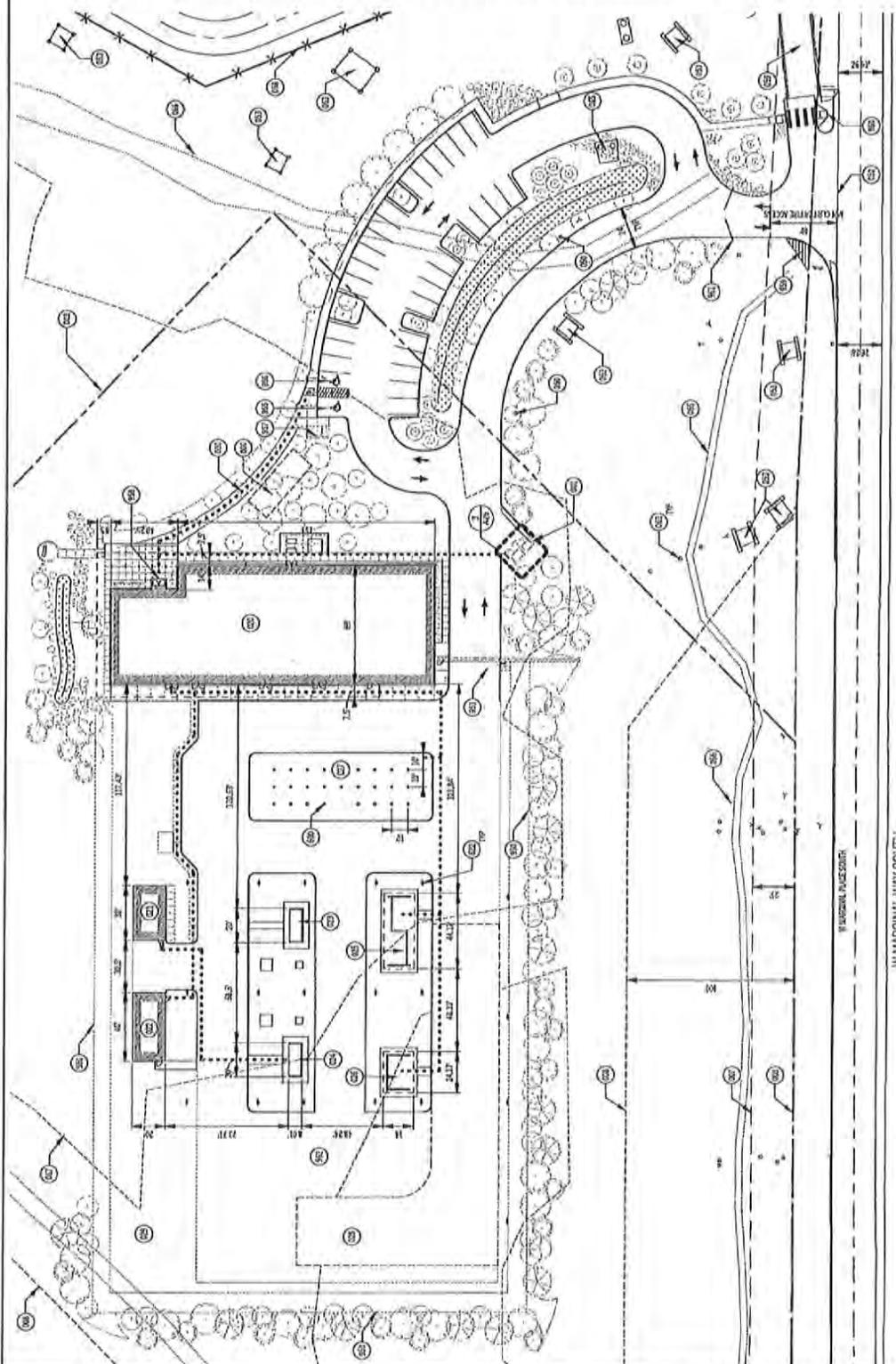


**OVERALL SITE LEGEND**

- FIELD BOUNDARY
- PROPERTY LINE
- PERIMETER
- DRIVEWAY
- SIDEWALK
- FENCE
- EXISTING
- PROPOSED

**KEYNOTES**

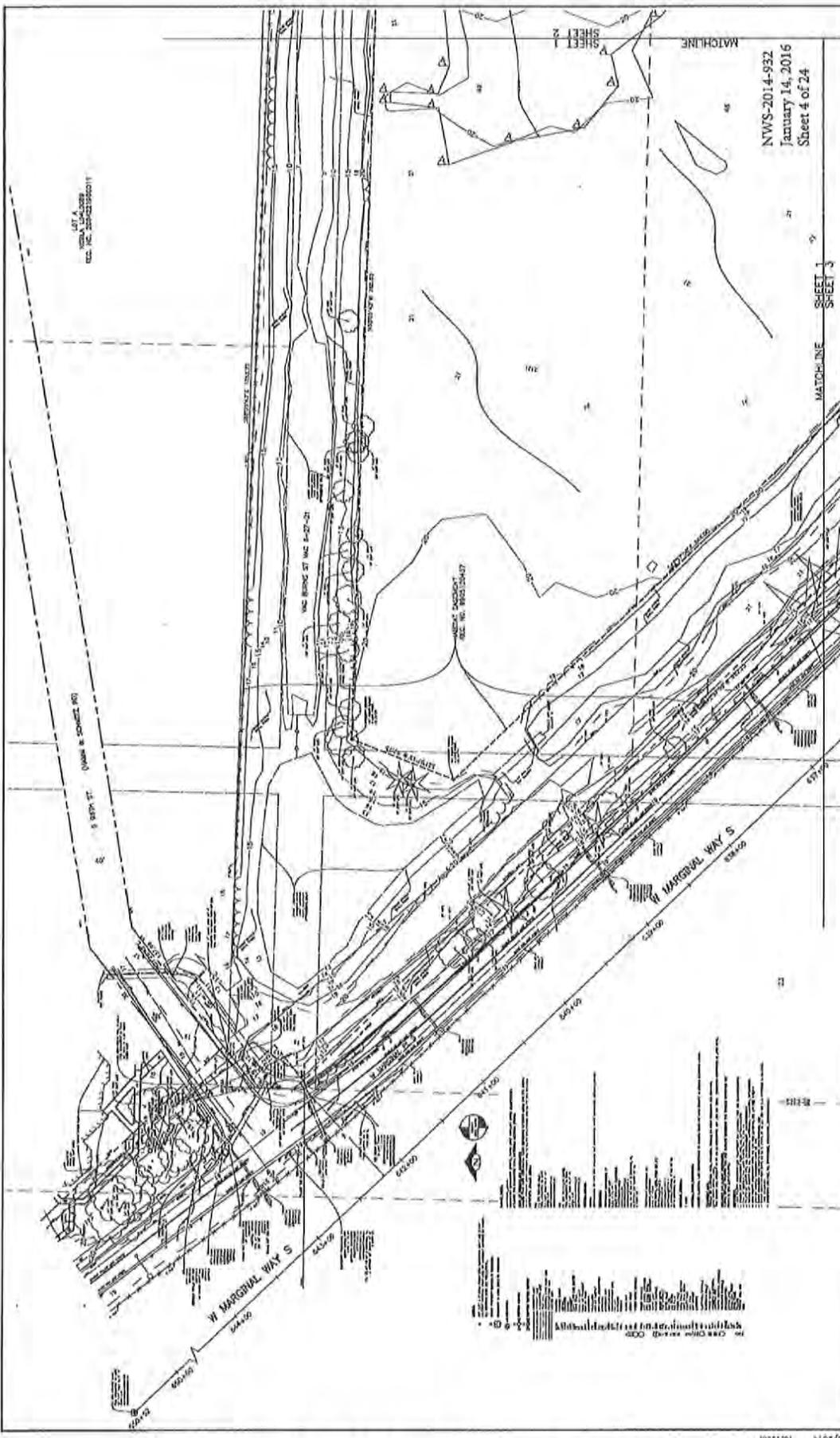
001	TRASH / RECYCLING AREA
002	PROPERTY LINE
003	FOUNDATION
004	TECHNICAL TRAINING BUILDING
005	ASSISTANT TRAINING
006	WALKWAY TRAINING 1
007	WALKWAY TRAINING 2
008	WALKWAY TRAINING 3
009	WALKWAY TRAINING 4
010	WALKWAY TRAINING 5
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105	WALKWAY TRAINING 100



NWS-2014-932  
January 14, 2016  
3 of 24

CODE SITE PLAN  
7-1-2016

<p><b>schacht   aslant architects</b> 901 First Street Suite 2720 Seattle, WA 98104 www.schacht-asant.com</p>		<p><b>Seattle City Light</b> APPROVED FOR ARCHITECTURAL USE</p>							
<p>DATE: 1/14/16 DRAWN BY: [Name] CHECKED BY: [Name]</p>	<p>PROJECT: BUILDING LOCATION: TECHNICAL TRAINING CENTER TITLE: SITE PLAN</p>	<p>SCALE: As Indicated</p>	<p>DATE: 1/14/16 DRAWN BY: [Name] CHECKED BY: [Name]</p>						
<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td>1</td><td>1/14/16</td><td>ISSUED FOR PERMITS</td></tr> </table>				NO.	DATE	DESCRIPTION	1	1/14/16	ISSUED FOR PERMITS
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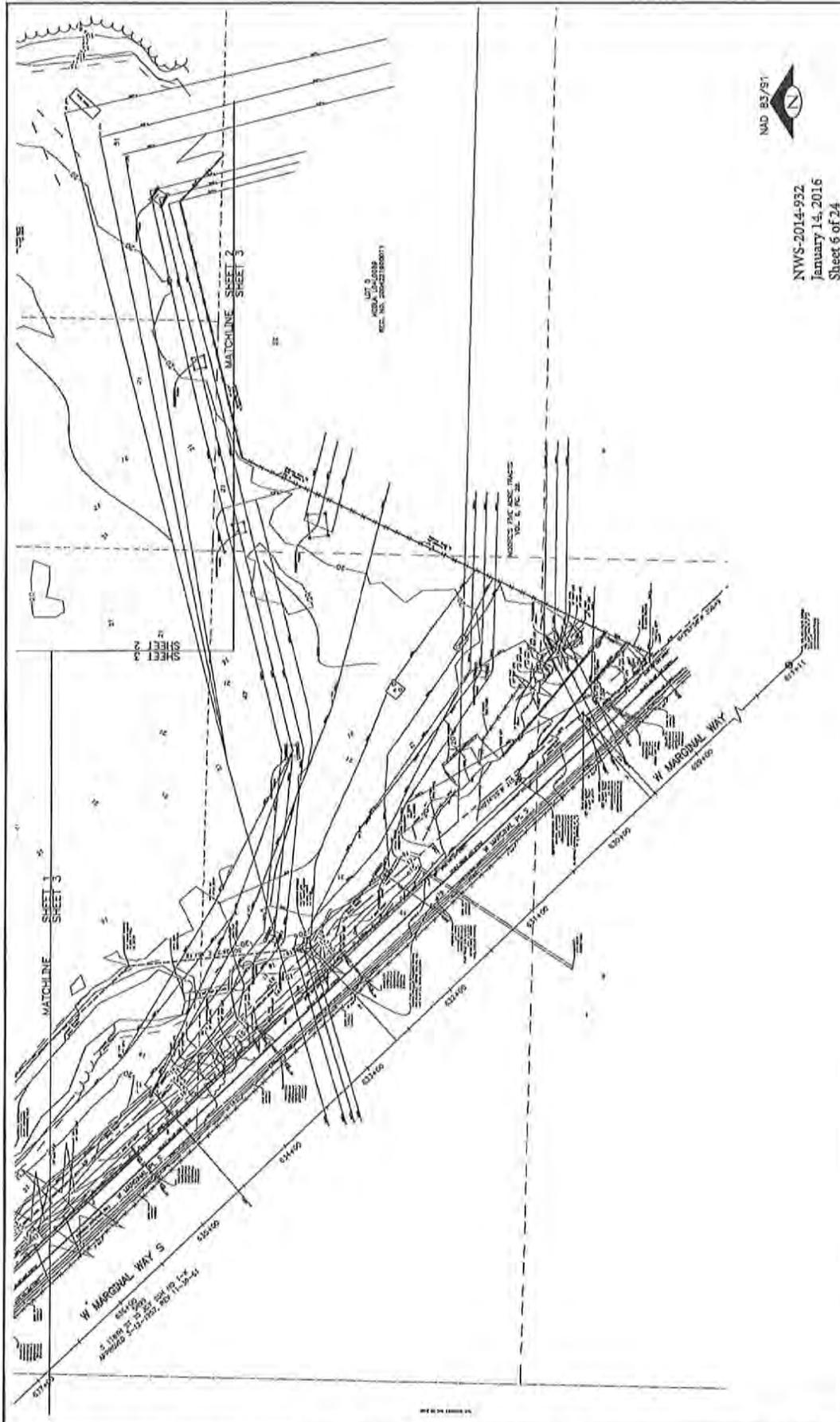


LET A  
 2014-03-28  
 REC. NO. 201403280011

NWS-2014-932  
 January 14, 2016  
 Sheet 4 of 24

Seattle City Light APPROVED FOR SEATTLE CITY LIGHT		SHEET 1 OF 3 DATE DRAWING NO. SCALE 1"=40'
SEATTLE CITY LIGHT YARD REMODEL DUWAMISH SUBSTATION		SITE SURVEY
L & A L & A ASSOCIATES, INC. 2500 1st Avenue Seattle, Washington 98104 (206) 461-1218	ORDER NO. 1300	SECTIONS SQUARE DATE CR. 1. 18 SQ. 1. SQ. 1.
		PLOTTING SCALE: 1"=40' BASEMAP DRAFTED IN SCALE: 1"=20'
APPROVED FOR SUBMITTAL APPROVED FOR SEATTLE CITY LIGHT DATE		REVISIONS NO. DATE BY 1 1/16/16 JLT 2 1/16/16 JLT





NWS-2014-932  
January 14, 2016  
Sheet 6 of 24

SEATTLE CITY LIGHT YARD REMODEL DUWAMISH SUBSTATION	
DATE	REV. NO.
04/27/11	0
SCALE: 1"=40'	

Seattle City Light	
APPROVED FOR SEATTLE CITY LIGHT	DATE

ENDORSEMENTS	
DESIGNED BY	DATE
DR. J. DE	
CHECKED BY	DATE
DR. J. DE	
PLOTTING SCALE: 1"=40'	
BENCHMARK DIVERTED IN SCALE: 1"=40'	

**L & A**  
L & A ASSOCIATES, INC.  
Professional Engineers  
2400 1st Avenue, Suite 100  
Seattle, Washington 98104  
(206) 421-1210  
JOB NO. 1202  
1/22/2016

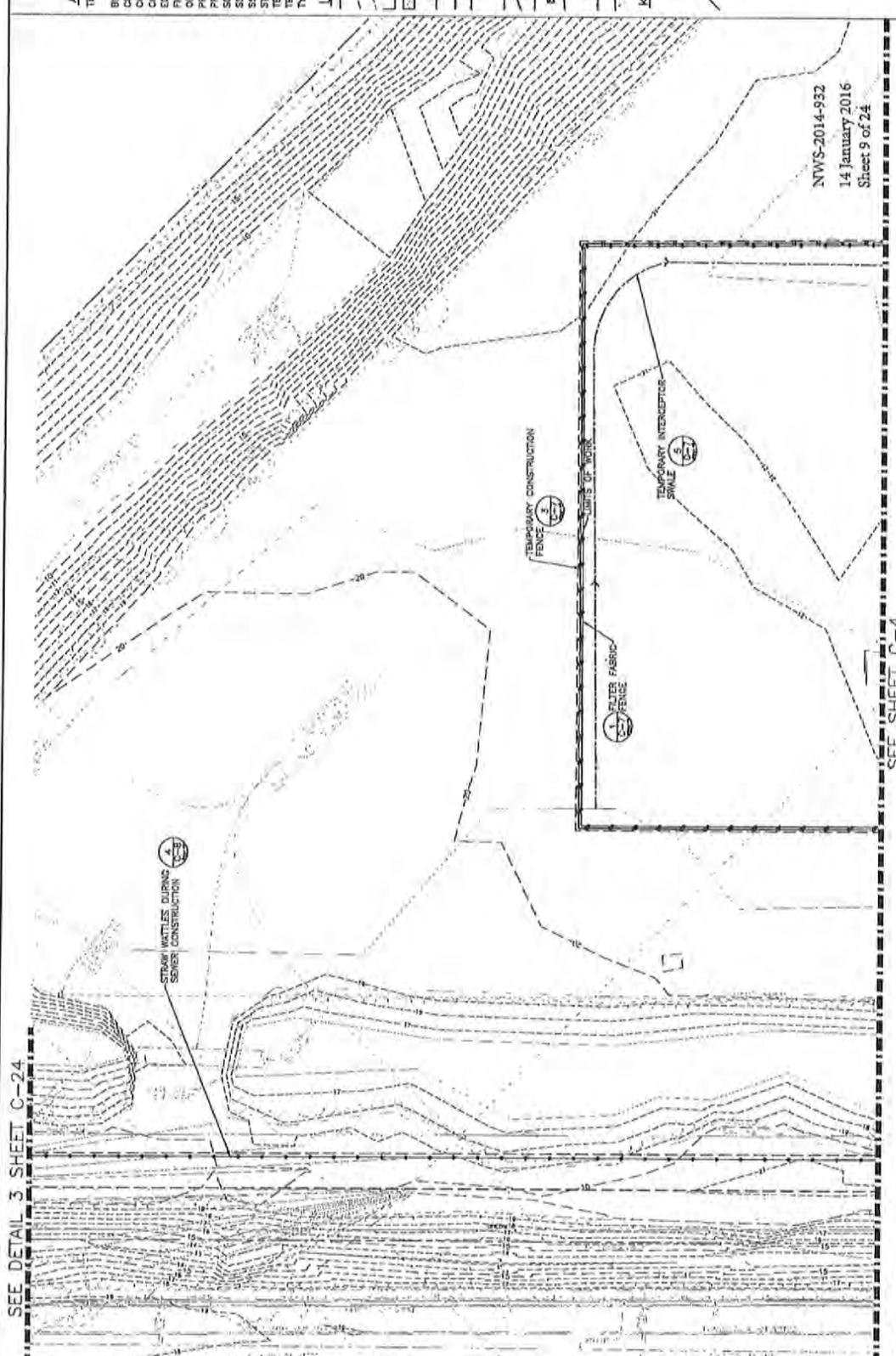


SPECIFICATION NUMBER	
APPROVED FOR SOLICITATION	
DATE	
09/11	
DRAWN BY	
01524763	
DATE	BY
01/14/16	JF
HEM SHONS	
AT FINAL SITE	
DATE	
01/14/16	
PROJECT NO. 1202	
1/22/2016	





SEE DETAIL 3 SHEET C-24



NWS-2014-932  
14 January 2016  
Sheet 9 of 24

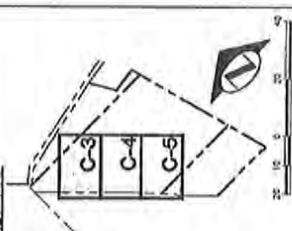
SEE SHEET C-4

**ABBREVIATIONS**

TBSC	TEMPORARY EROSION & SEDIMENT CONTROL
BUDG	BUILDING
CB	CATCH BASIN
CONC	CONCRETE
COS	CITY OF SEATTLE
ECO	ECOLOGY
FM	FORCE MAIN
OH	DIVER HEAD
PP	POWER POLE
PROP	PROPOSED
SD	STORM DRAIN
SS	SEWER
SSS	STANDARD SIZE SEWER
STD	TO BE REMOVED
TER	TEMPORARY
TYP	TYPICAL

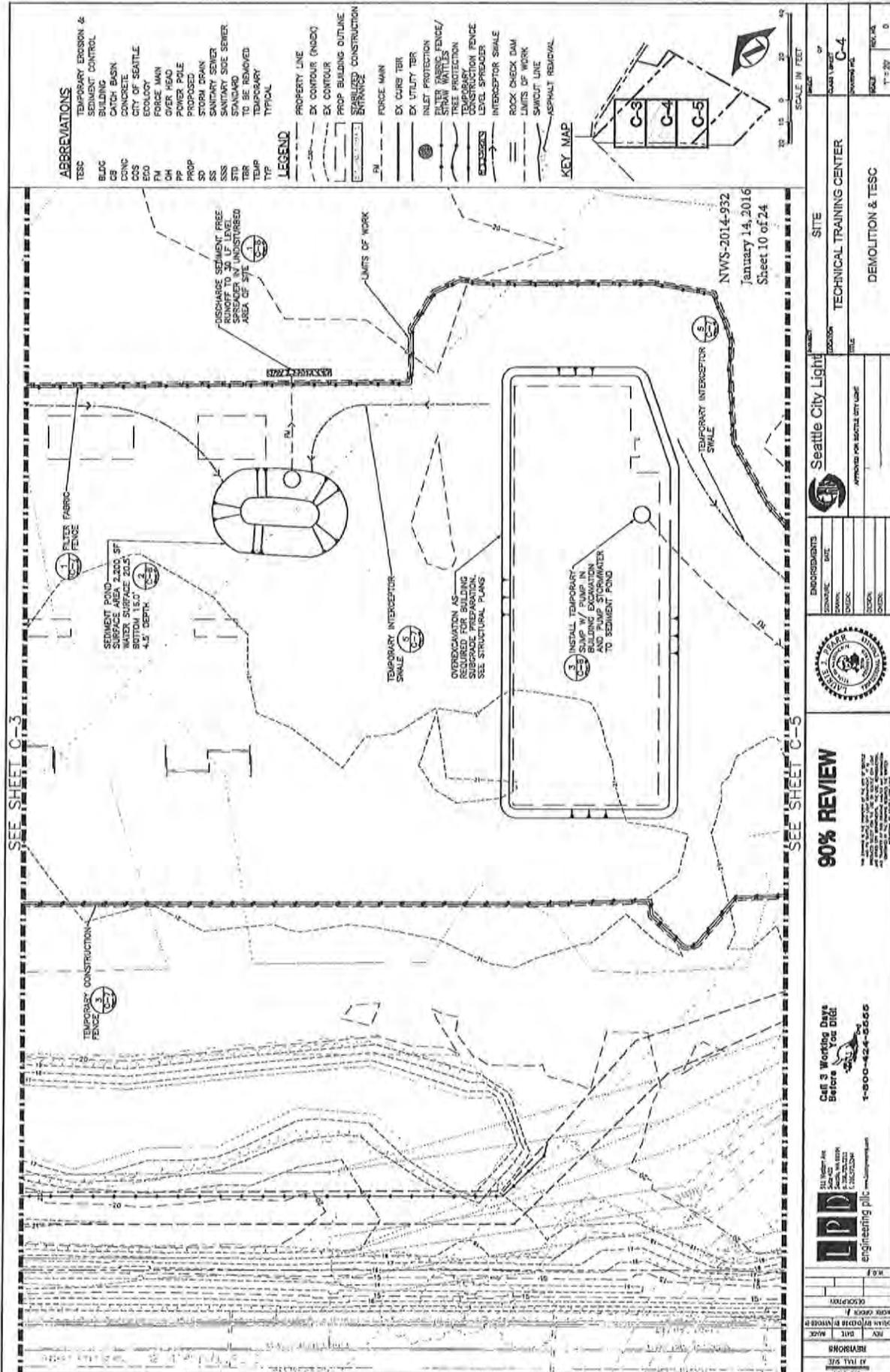
**LEGEND**

(---)	PROPERTY LINE
(---)	EX CONTOUR (INDEX)
(---)	EX CONTOUR
(---)	PROP BUILDING OUTLINE
(---)	STANDARD CONSTRUCTED SURFACE
(---)	FORCE MAIN
(---)	EX CURB TER
(---)	EX UTILITY TER
(---)	INLET PROTECTION
(---)	SEWER FABRIC FENCE / TREE PROTECTION
(---)	TEMPORARY CONSTRUCTION FENCE
(---)	LEVEL SPREADER
(---)	INTERCEPTION SHALE
(---)	ROCK CHECK DAM
(---)	LIMITS OF WORK
(---)	SAWCUT LINE
(---)	ASPHALT REMOVAL



<p>DISCIPLINE: SITE</p> <p>PROJECT: Seattle City Light</p> <p>LOCATION: TECHNICAL TRAINING CENTER</p> <p>DATE: 14 January 2016</p> <p>SCALE: 1" = 20'</p>	<p>90% REVIEW</p> <p>Call 3 Working Days Before You Dig! 1-800-424-5666</p> <p>LLP engineering, p.l.l.c.</p>
<p>APPROVED FOR SEATTLE CITY LIGHT</p> <p>DATE: _____</p> <p>NAME: _____</p>	<p>APPROVED FOR SEATTLE CITY LIGHT</p> <p>DATE: _____</p> <p>NAME: _____</p>
<p>SEATTLE CITY LIGHT</p> <p>SEWER &amp; WATER DIVISION</p>	<p>SEATTLE CITY LIGHT</p> <p>SEWER &amp; WATER DIVISION</p>

SEE SHEET C-3

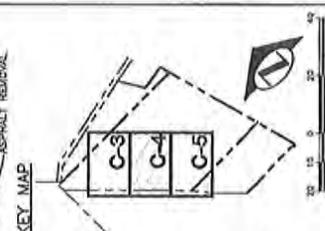


**ABBREVIATIONS**

TESC TEMPORARY EROSION & SEDIMENT CONTROL  
 BLDG BUILDING  
 CB CATCH BASIN  
 CONC CONCRETE  
 COS CITY OF SEATTLE  
 ECOLY ECOLOGY  
 FM FORCE MAIN  
 G/FR HEAD GUYER HEAD  
 POWER POLE PROPOSED  
 STORM DRAIN  
 SD SANDY SEDIMENT  
 SSS STANDARD SIDE SEWER  
 STD TO BE REMOVED  
 TEMP TEMPORARY  
 TYP TYPICAL

**LEGEND**

PROPERTY LINE  
 EX CONTOUR (INDEX)  
 EX CONTOUR  
 PROP BUILDING OUTLINE  
 STABILIZED CONSTRUCTION ENTRANCE  
 FM FORCE MAIN  
 EX CURB TBR  
 EX UTILITY TBR  
 INLET PROTECTION  
 FILTER FABRIC FENCE/  
 STRAW MATTES  
 TREE PROTECTION  
 CONSTRUCTION FENCE  
 LEVEL SPREADER  
 INTERCEPTOR SWALE  
 ROCK CHECK DAM  
 LIMITS OF WORK  
 SWACUT LINE  
 ASPHALT REMOVAL



NTWS-2014-932  
 January 14, 2016  
 Sheet 10 of 24

**90% REVIEW**

Call 5 Working Days Before For Bids  
 1-800-424-2566

**LPD** engineering plc  
 1100 1st Ave  
 Suite 200  
 Seattle, WA 98101  
 (206) 461-1000

**Seattle City Light**  
 TECHNICAL TRAINING CENTER  
 DEMOLITION & TESC

**INSTRUCTIONS**

DATE	
DESIGN	
CHECK	
ISSUE	
APPROVED BY	

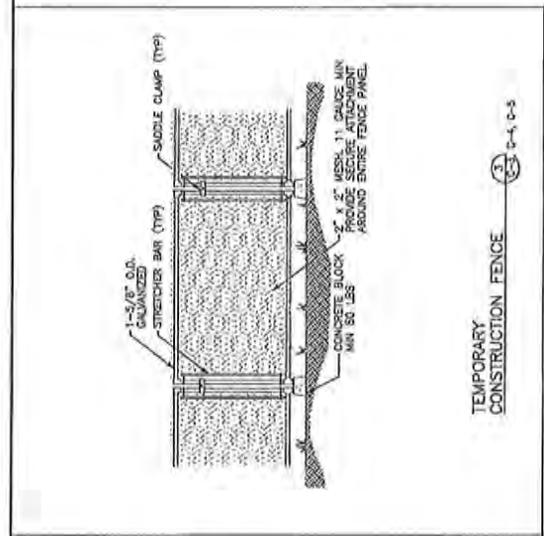
**REVISIONS**

NO.	DATE	REVISION

APPROVED ON BEHALF OF THE CITY LIGHT

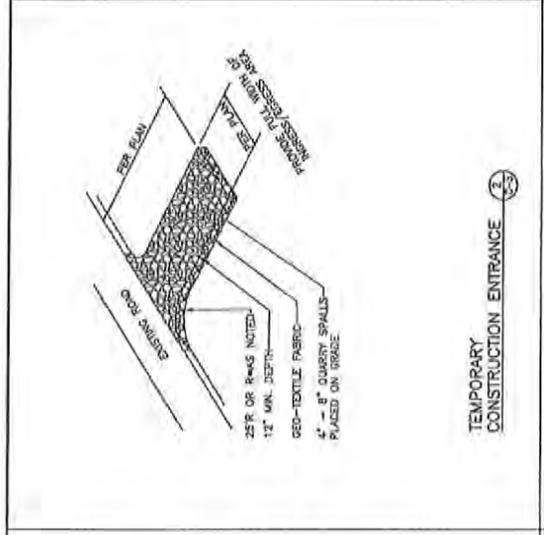






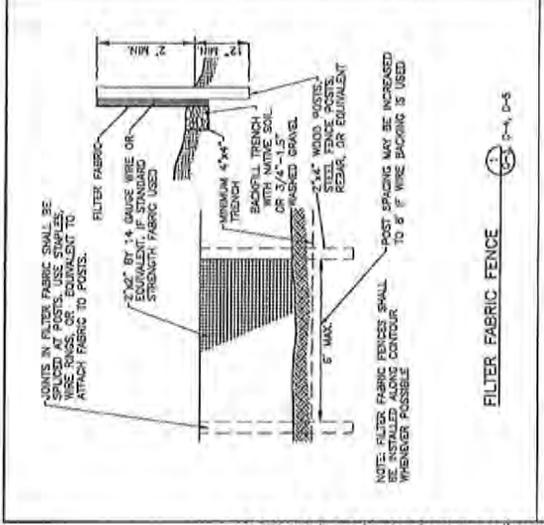
TEMPORARY CONSTRUCTION FENCE

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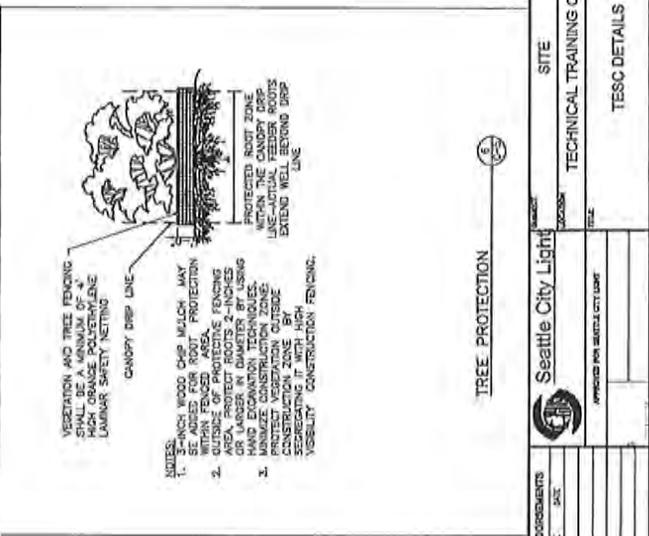
TEMPORARY CONSTRUCTION ENTRANCE

2 2-4, 2-5



FILTER FABRIC FENCE

1 2-4, 2-5



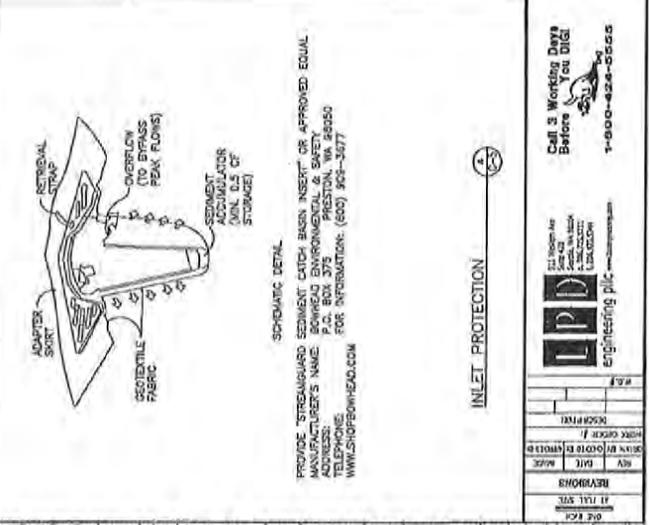
TREE PROTECTION

5 2-4, 2-5



TEMPORARY INTERCEPTOR SWALE

5 2-4, 2-5

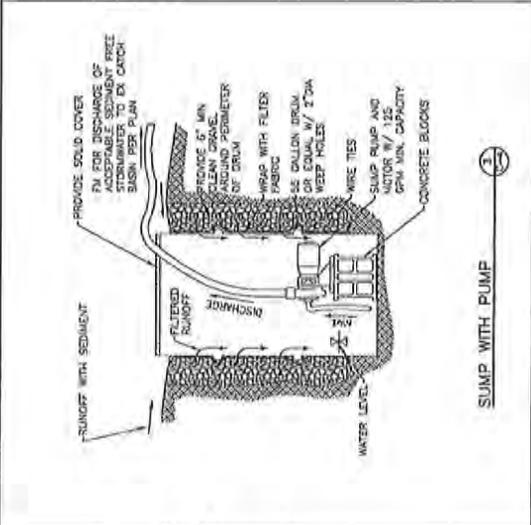


INLET PROTECTION

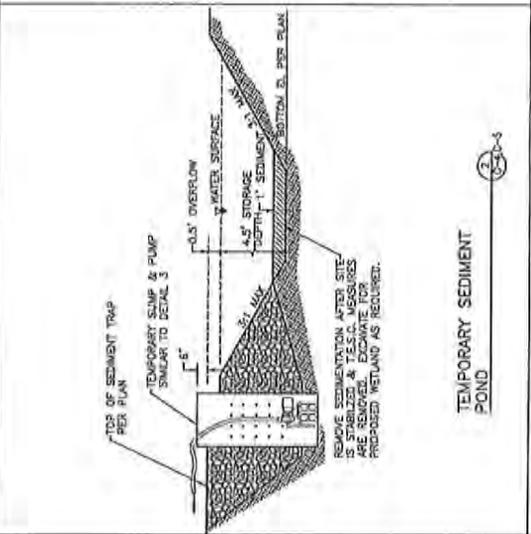
5 2-4, 2-5

		<b>90% REVIEW</b> <small>THESE PLANS HAVE BEEN REVIEWED BY THE CITY ENGINEER'S OFFICE AND APPROVED FOR CONSTRUCTION. THE CITY ENGINEER'S OFFICE DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON.</small>	
<b>ENCROACHMENTS</b> DATE: _____ DRAWN: _____ CHECK: _____ APPROVED: _____		SITE: TECHNICAL TRAINING CENTER TESC DETAILS	
APPROVED BY: SEATTLE CITY LIGHT		SCALE: AS NOTED SHEET NO: C-7	
DATE: _____		AS NOTED: 0	

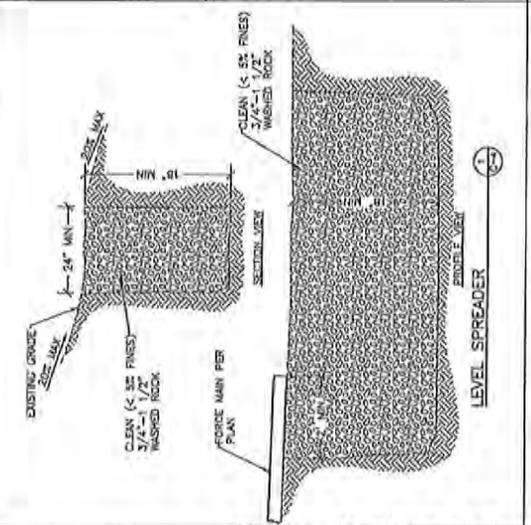
NWS-2014-932  
 January 14, 2016  
 Sheet 14 of 24



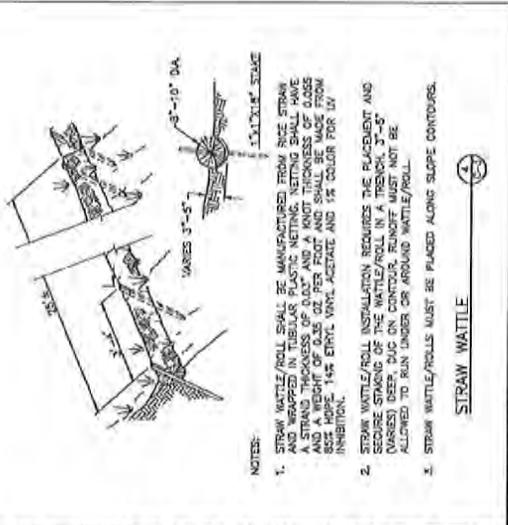
SUMP WITH PUMP



TEMPORARY SEDIMENT POND



LEVEL SPREADER



STRAW WATTLE

- NOTES:
1. STRAW WATTLE/ROLL SHALL BE MANUFACTURED FROM DRY STRAW AND WRAPPED IN TUBULAR PLASTIC NETTING. NETTING SHALL HAVE A STRAND THICKNESS OF 0.03" AND A KNOT THICKNESS OF 0.035" AND A WEIGHT OF 0.35 OZ PER FOOT AND SHALL BE MADE FROM 100% 14% ETHYL VINYL ACETATE AND 1% COLOR FOR UV INHIBITION.
  2. STRAW WATTLE/ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE/ROLL IN A TRENCH 3"-5" DEEP. STRAW WATTLE/ROLLS MUST BE PLACED ALONG SLOPE CONTOURS. ALLOWED TO RUN UNDER OR AROUND WATTLE/ROLL.
  3. STRAW WATTLE/ROLLS MUST BE PLACED ALONG SLOPE CONTOURS.

		<b>90% REVIEW</b> <small>THIS REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED OR THE ADEQUACY OF THE DESIGN.</small>	
ENDORSEMENTS DATE: _____ DRAWN: _____ CHECKED: _____ DESIGNED: _____ PROJECT: _____		SHEET OF DRAWING NO. <b>C-8</b> SHEET NO. <b>0</b> AS NOTED	
PROJECT: <b>Seattle City Light</b> LOCATION: <b>TECHNICAL TRAINING CENTER</b> DATE: _____ APPROVED FOR: _____		SITE <b>TECHNICAL TRAINING CENTER</b> TESC DETAILS	



**KING COUNTY DRAINAGE NOTES**

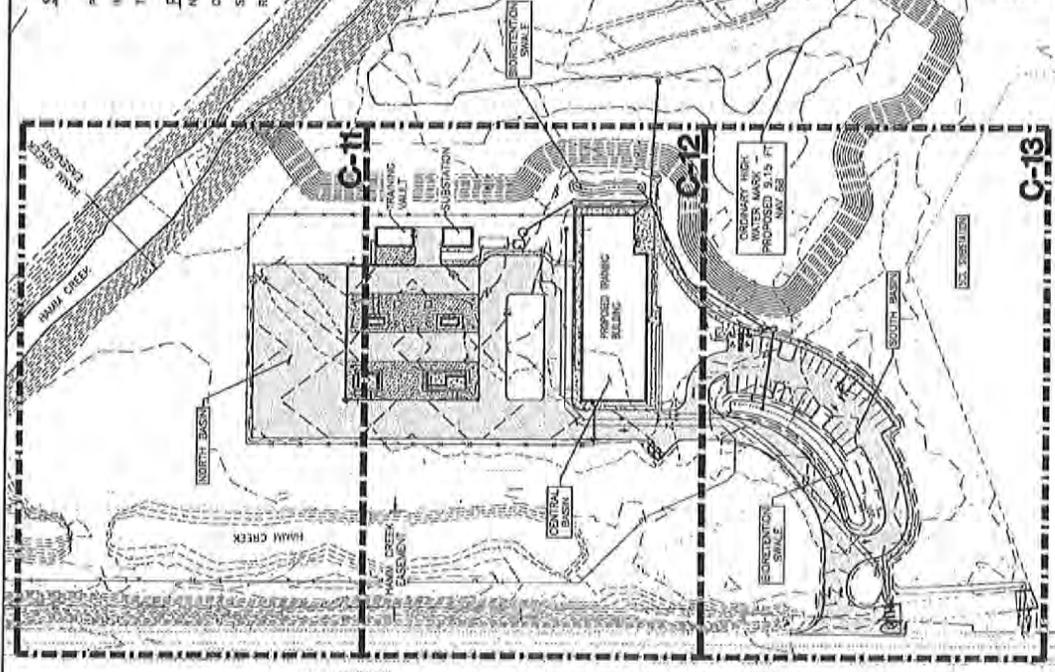
- PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO DCES PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES, PROBABLY AT THE PRECONSTRUCTION MEETING.
- ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS, SECTION 100.01. THE LEADING AND COMPLETING THE TRENCH BOTTOM, THE TOP OF THE LEADING AND COMPLETING AND ANY REQUIRED PIPE BEDDING TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORM BEARING UNYIELDING BASE.
- ALL GARDEN BASIN GRATES SHALL CONFORM TO WORKS WHICH ARE THE STANDARD FOR FALL TO STREAM DUMP NO POLLUTION AND PROTECTIVE DEVICES. PRIVATE DRAINAGE SYSTEMS SHALL NOT HAVE THE WORDS "PROPERTY OF KING COUNTY."
- ALL DRAINAGE FACILITIES LOCATED WITHIN KING COUNTY RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 2:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE END OF THE FACILITY. ALL FACILITIES SHALL HAVE REVEALED END SECTIONS TO MATCH THE SIDE SLOPE FOR KING COUNTY ROAD STANDARDS (MCRS).
- ROCK FOR PROTECTIVE PROTECTION OF ROADWAY CUTS, WHERE REQUIRED, MUST BE OF SUFFICIENT MASS TO BE REVEALED TO A DEPTH OF 1 FOOT, AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4" - 8" ROCK - 70% PASSING 2" - 4" ROCK - 100% PASSING; AND 4" ROCK / 10% - 20% PASSING. INSULATION SHALL BE IN ACCORDANCE WITH ADECS.
- ALL DISTURBED PERVIOUS AREAS (COMPACTED, GRADED, LANDSCAPED, ETC.) OF THE DEVELOPMENT SITE MUST BE REVEALED TO THE FOLLOWING: THE EXISTING DUFF LAYER SHALL BE REVEALED TO THE ORIGINAL SURFACE. THE MOISTURE CAPACITY OF THE SOIL OR AMENDED SOIL SHALL BE ADDED TO MAINTAIN THE MOISTURE CAPACITY.
- SEASONAL CLEARING IS LIMITED BETWEEN OCTOBER 1 AND MARCH 30 INCLUSIVE, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE IN OPERATION. (WCC 8.0A).

**SITE AREA**

	EXISTING	PROPOSED
PERVIOUS	184,181 SF	50,281 SF
IMPERVIOUS	4,410 SF	118,320 SF
TOTAL	188,601 SF	168,601 SF

**PROPOSED IMPERVIOUS AREA SUMMARY**

NORTH BASIN	57,456 SF
CENTRAL BASIN	18,541 SF
SOUTH BASIN	27,741 SF
REMAINING AREA	6,580 SF



**ABBREVIATIONS**

ARCH ARCHITECT  
 CITY BASIN CITY OF SEATTLE  
 COB CITY OF SEATTLE  
 DWGS DRAWINGS  
 ELEV ELEVATION  
 EX EXISTING  
 FDI FOOTING DRAIN  
 FFE FINISHED FLOOR ELEV  
 INVERT ELEVATION  
 LINEAL FEET  
 L.F.  
 PROP PROPOSED  
 R/V R/O V  
 SET SET  
 SDWH STORM DRAIN  
 SQUARE FEET  
 SF  
 TD TYPICAL  
 TP TOP OF PARKING TYPICAL

**LEGEND**

PROPERTY LINE  
 EX CONTOUR (INSD)  
 EX CONTOUR  
 PROP CONTOUR  
 PROP CONTOUR  
 PROP CONTOUR  
 PROP BUILDING  
 CONCRETE SIDEWALK  
 CONCRETE SIDEWALK (HEAVY DUTY)  
 HMA PAVEMENT  
 GRAVEL  
 VERTICAL CURB  
 SLOPE CLEAN OUT  
 SIDE SLOPE DRAIN  
 STORM DRAINAGE PIPE  
 BIORETENTION CELL  
 RE-RAP  
 SEWER FORCE MAIN  
 SIDE SEWER PIPE  
 SEWER CLEANOUT  
 FIRE HYDRANT  
 WATER FITTINGS  
 WATER SERVICE LINES  
 WATER METER  
 WATER SERVICE LINES  
 FIRE SERVICE LINE  
 FIRE SERVICE VAULT  
 POWER POLE

NTWS-2014-932  
 January 14, 2016  
 Sheet 16 of 24

		<b>90% REVIEW</b> <small>THE CITY OF SEATTLE ENGINEERING DEPARTMENT HAS REVIEWED THIS PROJECT FOR CONFORMANCE WITH THE CITY ENGINEERING DEPARTMENT'S DESIGN STANDARDS AND SPECIFICATIONS. THIS REVIEW IS LIMITED TO TECHNICAL ASPECTS OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED OR THE ADEQUACY OF THE DESIGN FOR THE PROJECT'S INTENDED USE.</small>
<b>ENDORSEMENTS</b> CONSULTANT: [ ] DESIGNER: [ ] CHECKER: [ ] APPROVED FOR SEATTLE CITY LIGHT: [ ]	<b>ENVIRONMENTAL</b> SHEET: [ ] DATE: [ ] SCALE: [ ]	<b>ENVIRONMENTAL</b> SHEET: [ ] DATE: [ ] SCALE: [ ]
<b>PROJECT</b> NAME: TECHNICAL TRAINING CENTER LOCATION: GRADING & DRAINAGE OVERALL SHEET NO: C-10 SCALE: 1" = 60' DATE: 0		<b>CLIENT</b> NAME: Seattle City Light ADDRESS: 400 WEST 10TH AVENUE, SEATTLE, WA 98104 PHONE: 206-462-2555 FAX: 206-462-2556 WWW: www.seattlecitylight.org
<b>DESIGNER</b> NAME: [ ] ADDRESS: [ ] PHONE: [ ] FAX: [ ] WWW: [ ]		<b>APPROVED FOR SEATTLE CITY LIGHT</b> NAME: [ ] TITLE: [ ] DATE: [ ]



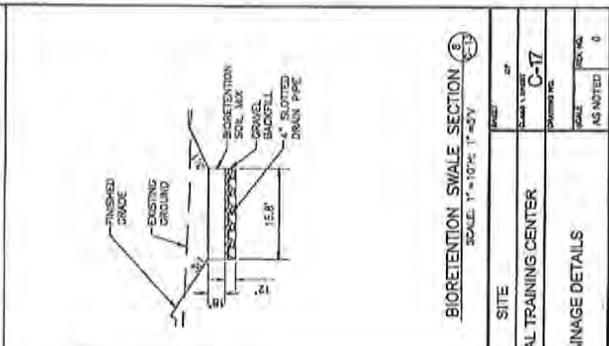
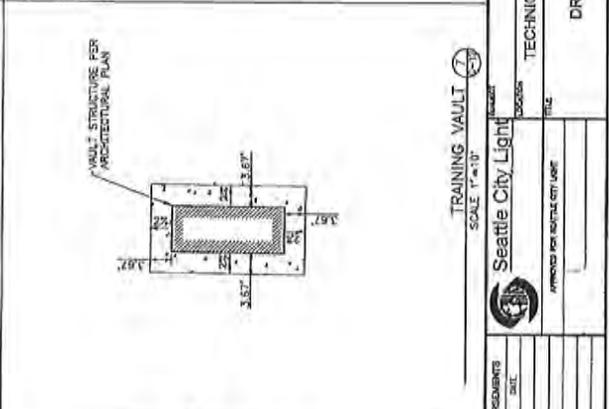
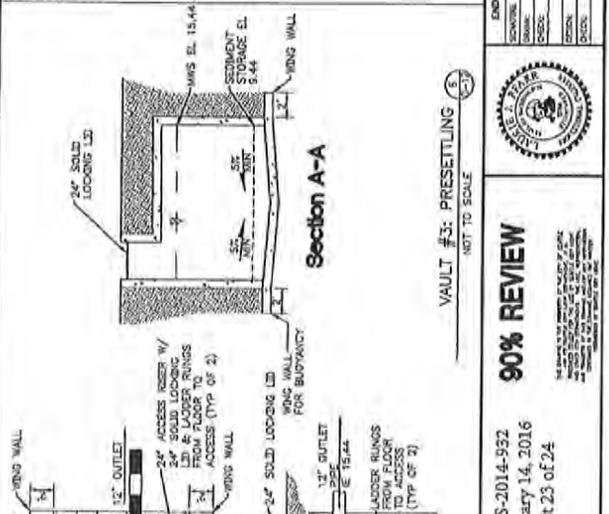
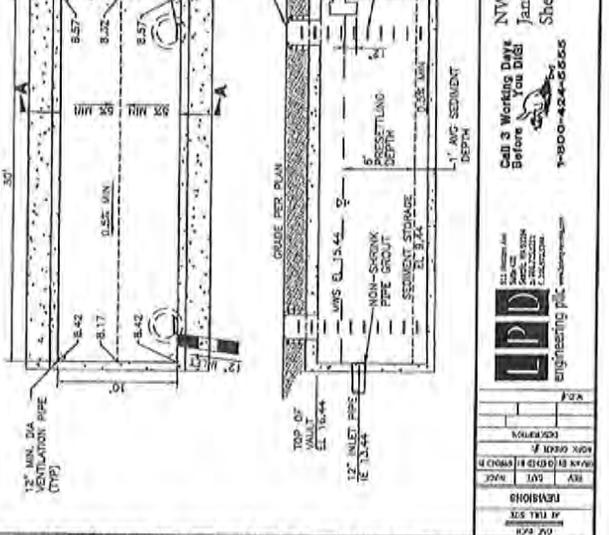
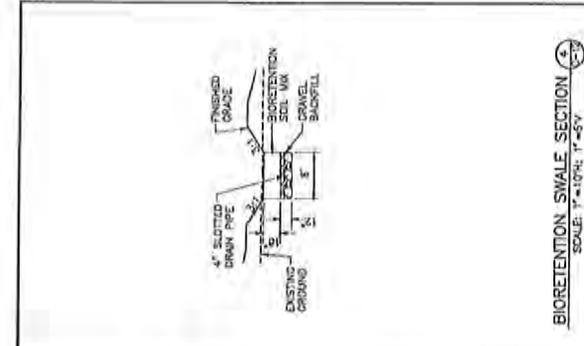
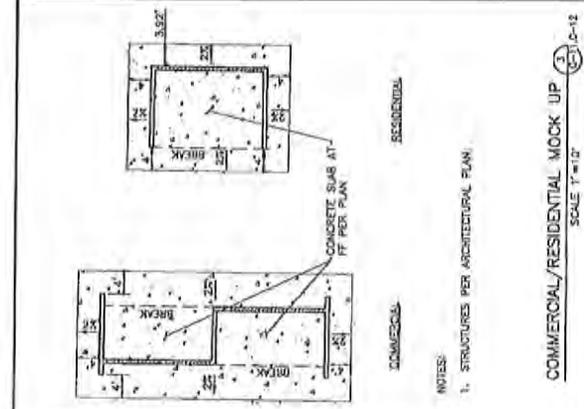
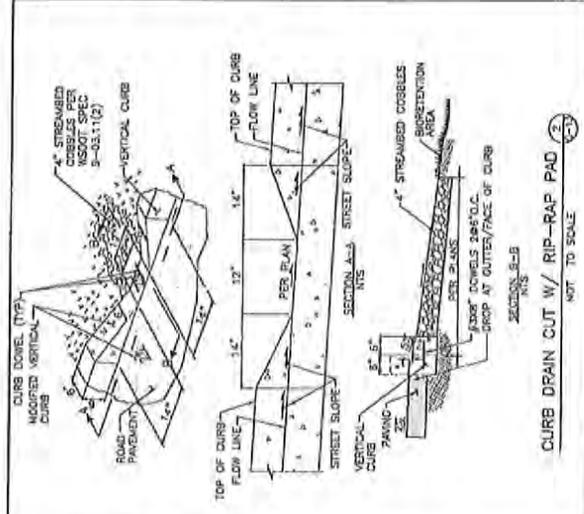
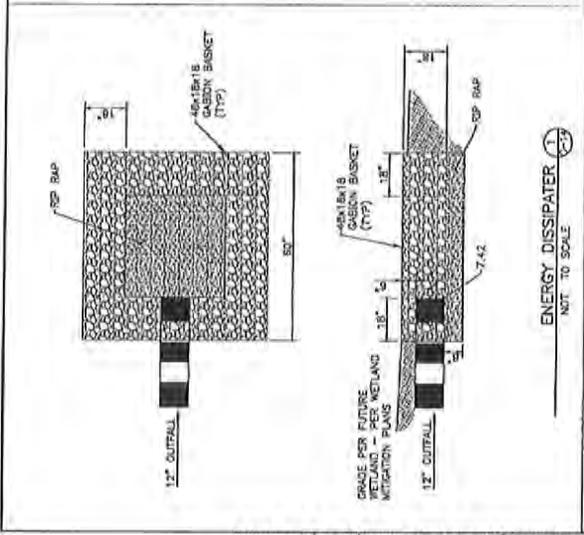












		PROJECT: <b>Seattle City Light</b> LOCATION: <b>TECHNICAL TRAINING CENTER</b> DRAWING NO: <b>C-17</b>
ENCLOSURE SHEET DATE: _____ DRAWN BY: _____ CHECKED BY: _____ DESIGN: _____ DATE: _____		<b>90% REVIEW</b> NWS-2014-592 January 14, 2016 Sheet 23 of 24
Call 3 Working Days Before You Dig! 		DRAINAGE DETAILS
REVISIONS NO. DATE BY 1 1/14/16 JAC	DATE PLOTTED: 1/14/16 PLOTTER: HP DesignJet T1100	AS NOTED 0

