

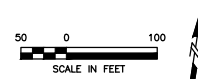
**NOTES:**

1. PREPARE EXISTING SOIL HANDLING FACILITY TO RECEIVE EXCAVATED MATERIAL PER C-300
2. TRUCK ROUTING FROM SCHOOL TO SOIL HANDLING FACILITY SHALL FOLLOW ROUTE SHOWN.

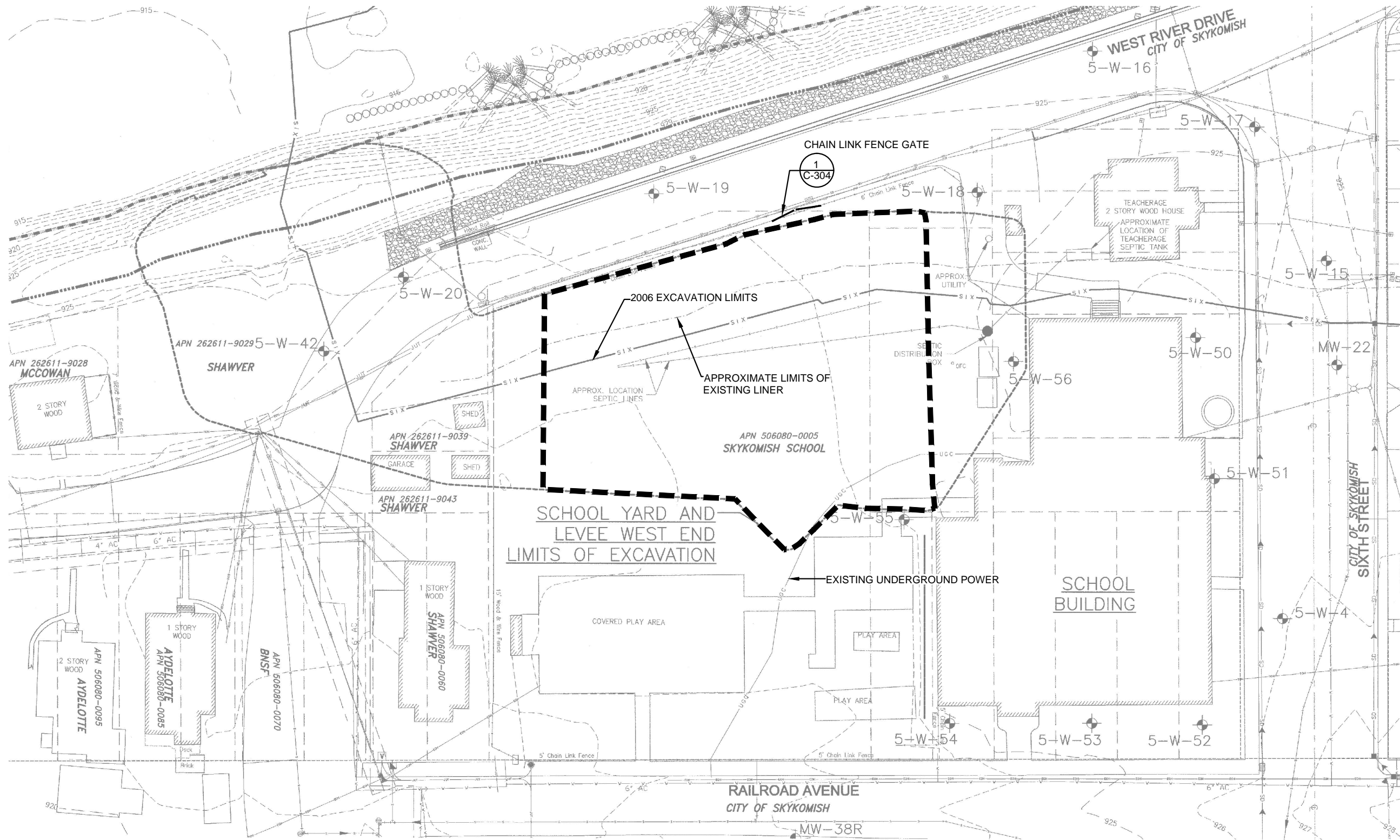


DATE	DESCRIPTION	BY	CHKD.	APP.
3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM

**DRAFT**




<b>PREPARED BY</b>  FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	<b>PREPARED FOR</b> THE BNSF RAILWAY COMPANY	FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON	SCALE AS SHOWN
		<b>TRAFFICE ROUTING PLAN</b>	PROJECT NO. 683-043 FILE NAME COMPREPORT.dwg SHEET NO. <b>C-110</b>

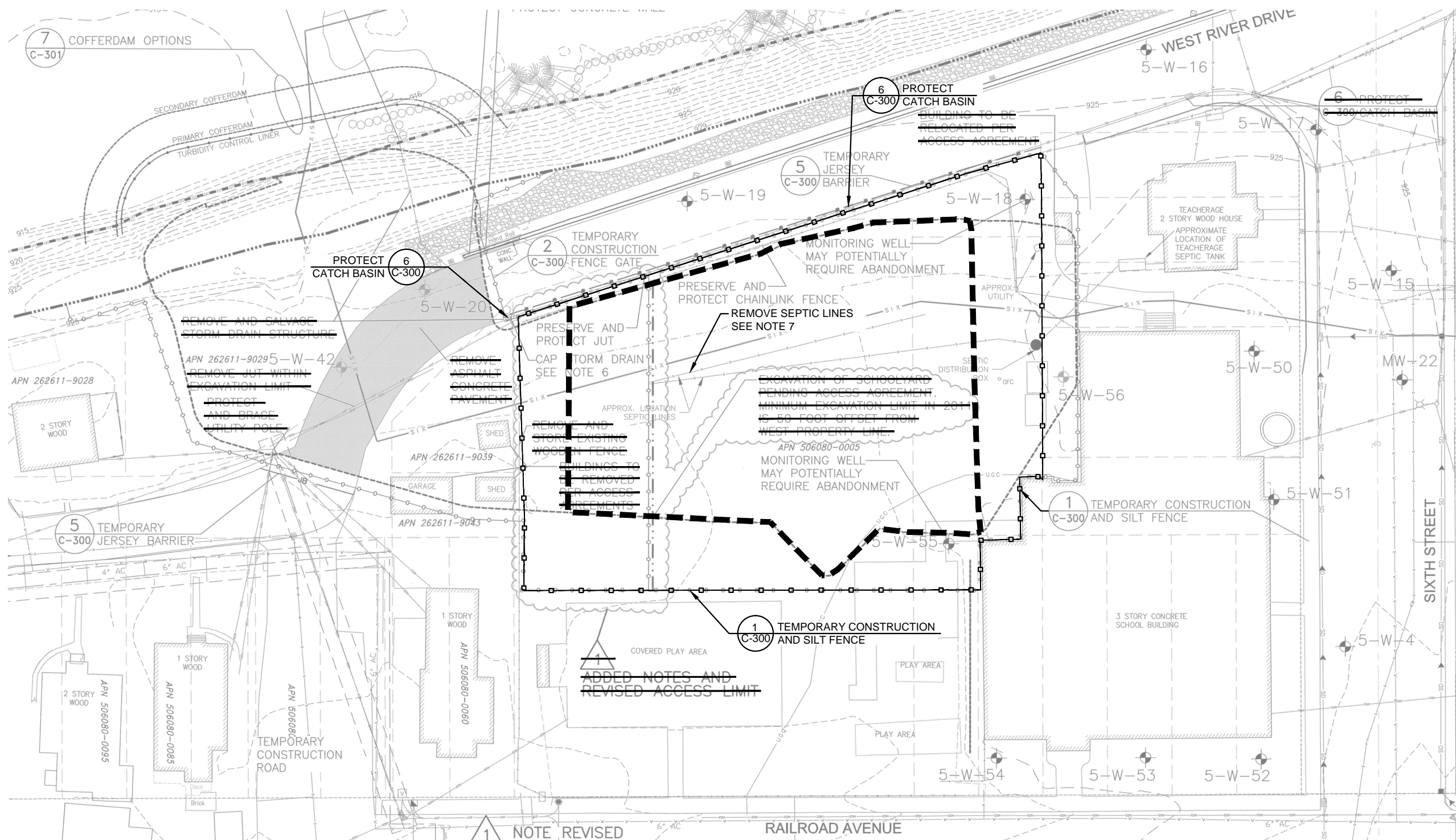


- NOTE:
1. LEVEE WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2010 OR 2011 AS DETERMINED BY PENDING ACCESS AGREEMENTS.
  2. OVERHEAD UTILITIES WITHIN EXCAVATION AREA WHERE NECESSARY WILL BE REMOVED/RELOCATED BY OTHERS PRIOR TO WORK.
  3. BUILDINGS WITHIN ACTIVE REMEDIATION AREAS MAY BE IN TEMPORARY STORAGE LOCATIONS AND NOT AS DEPICTED ON THIS DRAWING.
  4. UTILITIES WITHIN THE ACTIVE REMEDIATION AREAS MAY NOT BE AS DEPICTED ON THIS DRAWING.

DATE	DESCRIPTION	BY	CKD.	APP.
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BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

 PREPARED BY <b>FARALLON CONSULTING</b> 975 5th Avenue Northwest Issaquah, WA 98027	PREPARED FOR <b>THE BNSF RAILWAY COMPANY</b>	FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON  <b>EXISTING CONDITIONS          SCHOOLYARD</b>	SCALE AS SHOWN PROJECT NO. 683-043 FILE NAME COMPREPORT.dwg SHEET NO. <b>C-210</b>



**NOTE:**

1. LEVEL WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2011 OR 2012 AS DETERMINED BY PENDING ACCESS AGREEMENTS.
2. OVERHEAD UTILITIES WITHIN EXCAVATION AREA WHERE NECESSARY WILL BE REMOVED/RELOCATED BY OTHERS PRIOR TO WORK.
3. BUILDINGS WITHIN ACTIVE REMEDIATION AREAS MAY BE IN TEMPORARY STORAGE LOCATIONS AND NOT AS DEPICTED ON THIS DRAWING.
4. UTILITIES WITHIN THE ACTIVE REMEDIATION AREAS MAY NOT BE AS DEPICTED ON THIS DRAWING.
5. MONITORING WELLS WITHIN ACTIVE REMEDIATION AREA TO BE ABANDONED BY OTHERS PRIOR TO THE START OF WORK. ANY MONITORING WELL QUESTIONS SHOULD BE DIRECTED TO ON-SITE ENGINEER.
6. CAP STORM DRAIN. PLACE PUMP IN CATCH BASIN CONNECTING TO TEMPORARY OUTFALL WITH OIL WATER FILTER. REMOVE STORM SEWER FEATURES IN EXCAVATION AREA AND STORE FOR RESTORATION. SEE SHEET C-400 AND C-403 FOR RESTORATION ALIGNMENT.
7. ABANDON AND REMOVE SEWER VALVES, SEPTIC DISTRIBUTION BOX, AND SEPTIC LINE - SEPTIC LINE ONLY. AS PER C-510
8. ~~ABANDON AND REMOVE SEWER, STORM DRAIN, AND WATER LINES TO BE REMOVED/RELOCATED BY OTHERS PRIOR TO THE START OF WORK.~~
9. PROVIDE STABILIZED CONSTRUCTION ACCESS AND WHEEL WASH FEATURES AS NEEDED TO PREVENT TRACK-OUT OF SOIL AND DEBRIS TO PUBLIC ROADWAYS



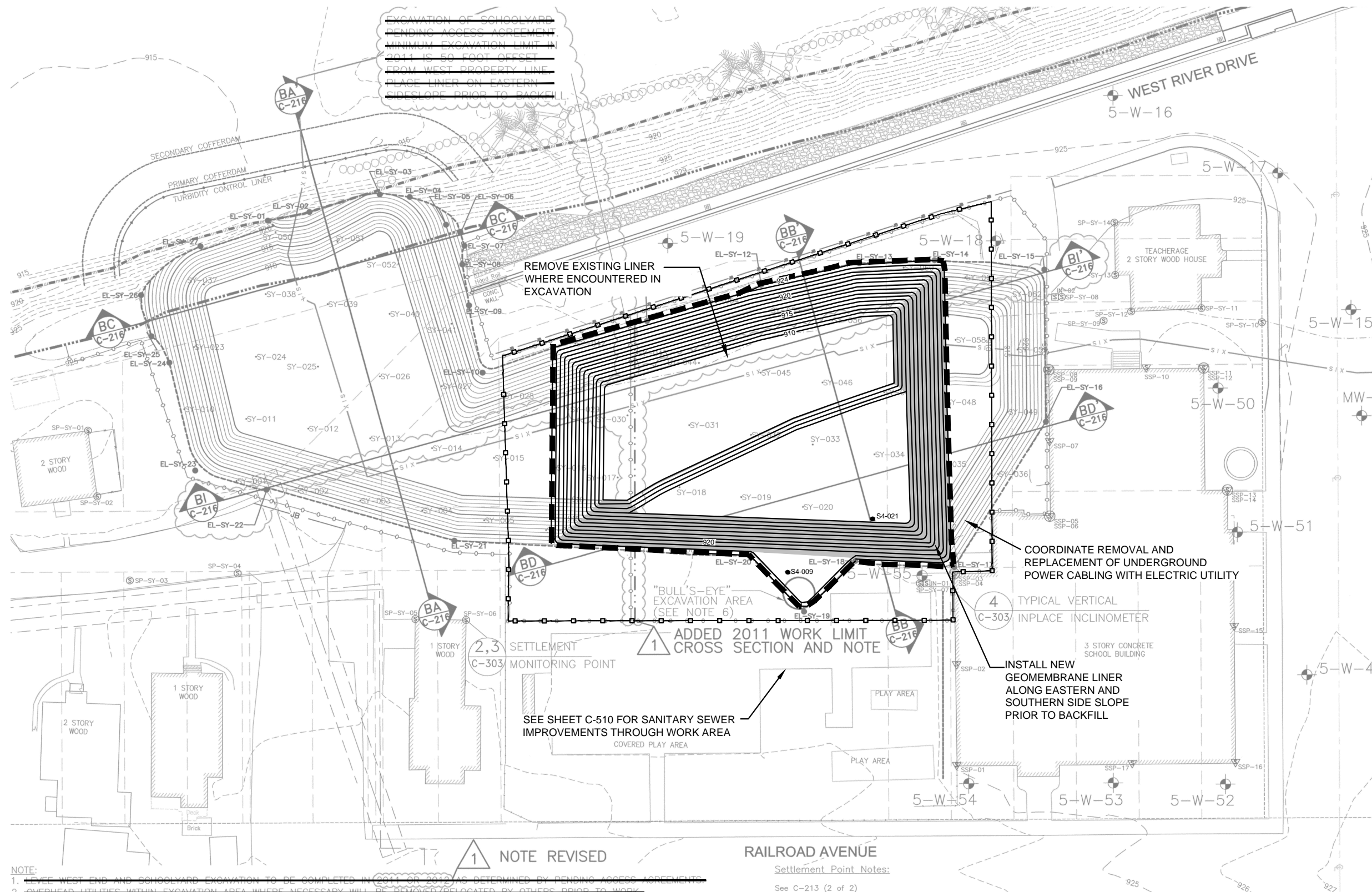
Scale in feet

DATE	DESCRIPTION	BY	CKD.	APP.
3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM

BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

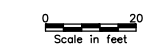
<b>PREPARED BY</b>  FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	<b>PREPARED FOR</b> THE BNSF RAILWAY COMPANY	FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON	SCALE AS SHOWN PROJECT NO. 683-043 FILE NAME COMPREPORT.dwg SHEET NO. <b>C-211</b>
	<b>SITE PREPARATION AND          EROSION CONTROL          SCHOOLYARD</b>		





**NOTE:**  
 1. WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2011 OR 2012 AS DETERMINED BY PENDING ACCESS AGREEMENTS.  
 2. UTILITIES WITHIN EXCAVATION AREA WHERE NECESSARY WILL BE REMOVED OR PROTECTED BY OTHERS PRIOR TO WORK.  
 3. UTILITIES WITHIN ACTIVE REMEDIATION AREAS MAY BE TEMPORARY STORAGE LOCATIONS AND NOT AS DEPICTED ON THIS DRAWING.  
 4. UTILITIES WITHIN THE ACTIVE REMEDIATION AREAS MAY NOT BE AS DEPICTED ON THIS DRAWING.  
 5. EXCAVATION TO BE TIED INTO REMEDY UNDER SCHOOL, AS PROVIDED BY FARALLON.  
 6. THE ISOLATED "BULL'S-EYE" EXCAVATION AREA AROUND 5-B-3 IS NOT SHOWN AS CONTIGUOUS WITH THE OVERALL EXCAVATION PRISM BECAUSE THIS DATA POINT WAS DETERMINED TO BE ANOMALOUS BASED ON FARALLON'S AUGUST 2009 SCHOOL YARD INVESTIGATION.

**Settlement Point Notes:**  
 See C-213 (2 of 2)



DATE	DESCRIPTION	BY	CHKD.	APP.
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BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

PREPARED BY  
  
 FARALLON CONSULTING  
 975 5th Avenue Northwest  
 Issaquah, WA 98027

PREPARED FOR  
 THE BNSF RAILWAY COMPANY

FORMER MAINTENANCE AND FUELING FACILITY  
 SKYKOMISH, WASHINGTON  
 EXCAVATION PLAN  
 SCHOOLYARD

SCALE AS SHOWN  
 PROJECT NO. 683-043  
 FILE NAME COMPREPORT.dwg  
 SHEET NO. C-213(1)

**Skykomish School Instrumentation Schedule  
For Drawing (C-213)**

1. Contractor shall monitor settlement monitoring points in accordance with Section 02150 – Geotechnical Instrumentation and Monitoring, and the Geotechnical Action Plan, BNSF Skykomish 2010 Remediation by Jacobs Associates.
2. The instrument reading schedule for surface settlement points around School Yard Excavation (SP-SY-01 to SP-SY-14) shall be:
  - a. Three initial sets of readings prior to any site excavation.
  - b. Daily when excavation within 25 feet of the settlement point but not less than 3 sets of readings after the initial 3 sets.
  - c. Weekly when excavating between 25 and 100 feet of the settlement point.
  - d. Increase frequency of readings where action levels are reached.
  - e. Monthly after completion of backfilling or until measurements remain stable for 3 consecutive months.
  - f. Concurrence to stop monitoring must be obtained from the Engineer in writing.
  - g. Action Levels for Surface Settlement Points:
    - Trigger Level 0.04 feet
    - Level 2 0.06 feet
    - Maximum Allowable Limit 0.08 feet
3. SP-SY-09 and SP-SY-10 shall be located at the northern edge of the excavation beneath the Skykomish School.
4. The instrumentation schedule for the vertical in-place inclinometers shall be:

Instrument	Bottom of Sensor Depth (feet)	Action Levels (inches)	
IN-01-1	24	0.10	0.20
IN-01-2	20.7	0.10	0.20
IN-01-3	17.4	0.10	0.20
IN-01-4	14.1	0.10	0.20
IN-01-5	10.8	0.10	0.20
IN-01-6	7.5	0.10	0.20
IN-01-7	4.2	0.10	0.20
IN-02-1	24	0.10	0.20
IN-02-2	20.7	0.10	0.20
IN-02-3	17.4	0.10	0.20
IN-02-4	14.1	0.10	0.20
IN-02-5	10.8	0.10	0.20
IN-02-6	7.5	0.10	0.20
IN-02-7	4.2	0.10	0.20

5. The instrument reading schedule for the vertical in-place inclinometers shall be:
  - a. Wait at least three days after installation to allow the grout to adequately set before conducting initial readings.
  - b. Three complete sets of baseline readings prior to any site excavation.
  - c. Readings shall be recorded by the datalogger at least every four hours when excavating within 100 feet of the inclinometer.
  - d. Readings shall be recorded by the datalogger on a daily basis during site excavation.
  - e. Readings shall be uploaded to the Instrumentation Data Management System on a daily basis during site excavation.
  - f. Readings shall continue after completion of backfilling at least until measurements remain stable over three consecutive readings.
  - g. Concurrence to stop monitoring must be obtained from the Engineer in writing.
6. Structure settlement points (SSPs) shall be placed on the school building at locations shown on the Contract Drawings or as approved by the Engineer. Unless otherwise noted or approved by the Engineer, the SSPs


shall be placed at a height of 3 feet above the existing ground surface prior to any site excavation (low points). At five locations around the Skykomish School building shown on the Drawings, SSPs shall be placed at a height of 25 feet above the existing ground surface prior to any site excavation (high points). The high points shall be placed directly above the corresponding low points.

Low SSP	Corresponding High SSP	Measurement Device
SSP-03	SSP-04	Automated Total Station
SSP-05	SSP-06	Automated Total Station
SSP-08	SSP-09	Automated Total Station
SSP-11	SSP-12	Automated Total Station
SSP-13	SSP-14	Manual Level/Total Station

7. The SSPs shall consist of adhesive-backed targets, such as Leica Models #635-317 (20 mm square), #635-318 (40 mm square), or #635-319 (60 mm square) or approved equal.
8. Where noted in the table above, four of the five Low-High SSP pairs shall be monitored with an automated total station, such as Leica TM30 or approved equal.
9. The instrument reading schedule for structure settlement points on the Skykomish School, except the Low-High SSP pairs, shall be:
  - a. Three initial sets of readings prior to any site excavation.
  - b. Twice daily when excavation within 25 feet of the school building but not less than 3 sets of readings after the initial 3 sets.
  - c. Weekly when excavating between 25 and 50 feet of the school building.
  - d. Increase frequency of readings where action levels are reached.
  - e. Monthly after completion of backfilling or until measurements remain stable for 3 consecutive months.
  - f. Concurrence to stop monitoring must be obtained from the Engineer in writing.
  - g. Action Levels for Surface Settlement Points:
    - Trigger Level 0.125 inches
    - Maximum Allowable Limit: 0.25 inches
10. The instrument reading schedule for the Low-High SSP pairs shall be:
  - a. Three initial sets of readings prior to any site excavation.
  - b. Readings shall be recorded by the datalogger at least every two hours when excavating within 25 feet of the SSP or beneath the Skykomish School building.
  - c. Readings shall be recorded by the datalogger at least every four hours when excavating between 25 and 50 feet of the SSP.
  - d. Readings shall be uploaded to the Instrumentation Data Management System on a daily basis during site excavation.
  - e. Increase frequency of readings where action levels are reached.
  - f. Monthly after completion of backfilling or until measurements remain stable over three consecutive readings.
  - g. Concurrence to stop monitoring must be obtained from the Engineer in writing.
  - h. The action levels for horizontal movement of the building are:
    - Trigger Level: 0.125 inches
    - Maximum Allowable Limit: 0.25 inches
11. Cracks greater than 1/8-inch wide shall be brought to the attention of the Engineer for evaluation. Crack gauges shall be installed by the Contractor as directed by the Engineer.
12. The Engineer may modify the instrument reading schedule in the field depending on field conditions.
13. Additional settlement points and geotechnical instrumentation shall be installed by the Contractor as directed by the Engineer.
14. Additional monitoring shall be performed by the Contractor as directed by the Engineer.

NOTE:

~~LEVEL WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2011 OR 2012 AS DETERMINED BY PENDING ACCESS AGREEMENTS.~~

 ~~NOTE REVISED~~



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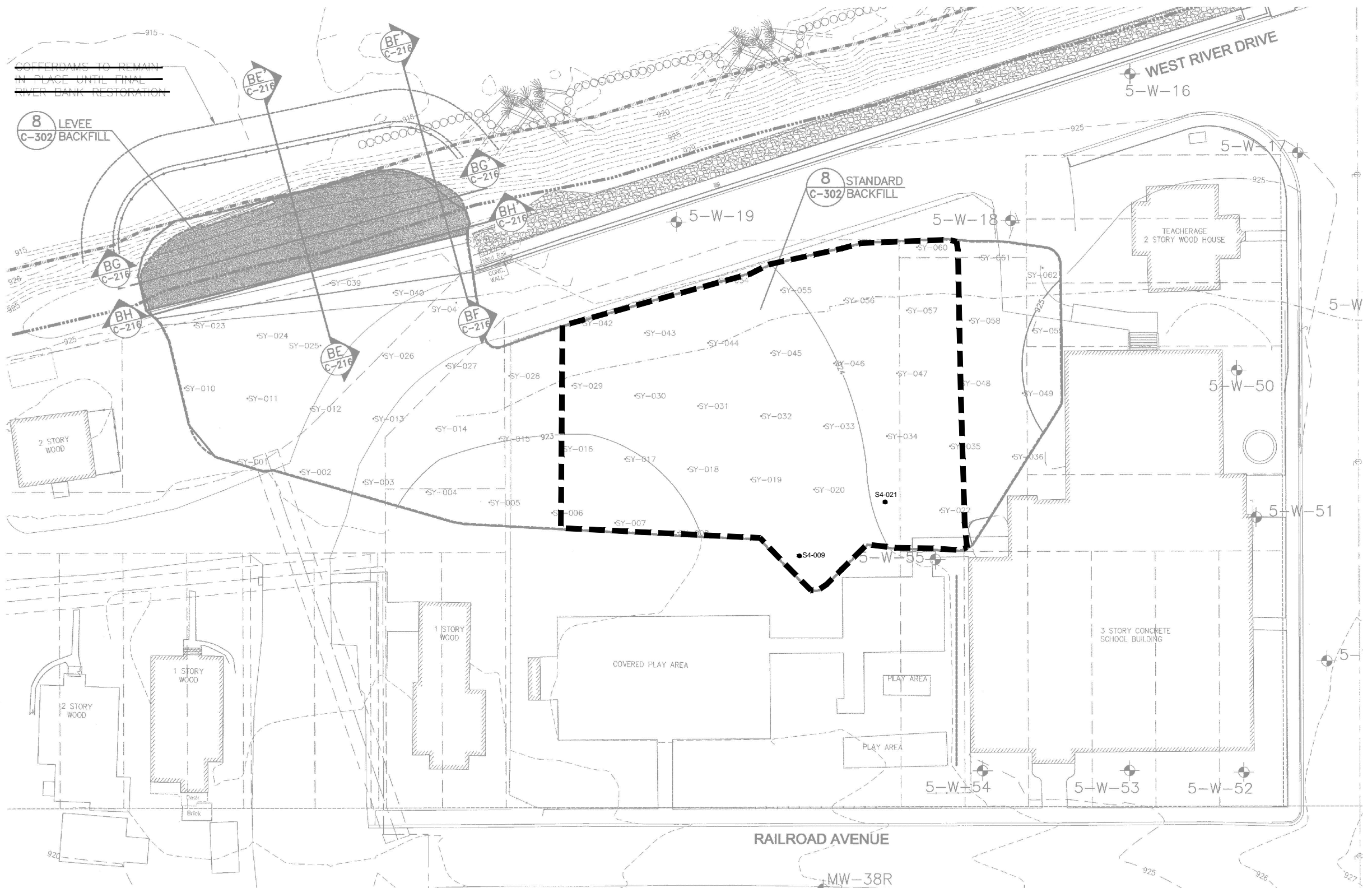
BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011



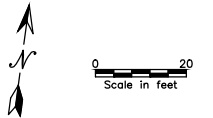
PREPARED FOR  
THE BNSF RAILWAY COMPANY

FORMER MAINTENANCE AND FUELING FACILITY  
SKYKOMISH, WASHINGTON  
**SETTLEMENT POINT NOTATIONS  
SCHOOLYARD**

SCALE AS SHOWN  
PROJECT NO. 683-043  
FILE NAME COMPREPORT.dwg  
SHEET NO.  
**C-213(2)**



- NOTE:
1. ~~LEVEL WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2010 OR 2011 AS DETERMINED BY PENDING ACCESS AGREEMENTS.~~
  2. ~~OVERHEAD UTILITIES WITHIN EXCAVATION AREA WHERE NECESSARY WILL BE REMOVED/RELOCATED BY UTILITIES PRIOR TO WORK.~~
  3. ~~BUILDINGS WITHIN ACTIVE REMEDIATION AREAS MAY BE IN TEMPORARY STORAGE LOCATIONS AND NOT AS DEPICTED ON THIS DRAWING.~~
  4. ~~UTILITIES WITHIN THE ACTIVE REMEDIATION AREAS MAY NOT BE AS DEPICTED ON THIS DRAWING.~~
  5. ~~FINAL GRADES SHOWN HERE ARE APPROXIMATE. CONTRACTOR SHALL RESTORE PROPERTIES PER PROPERTY SPECIFIC RESTORATION PLANS.~~

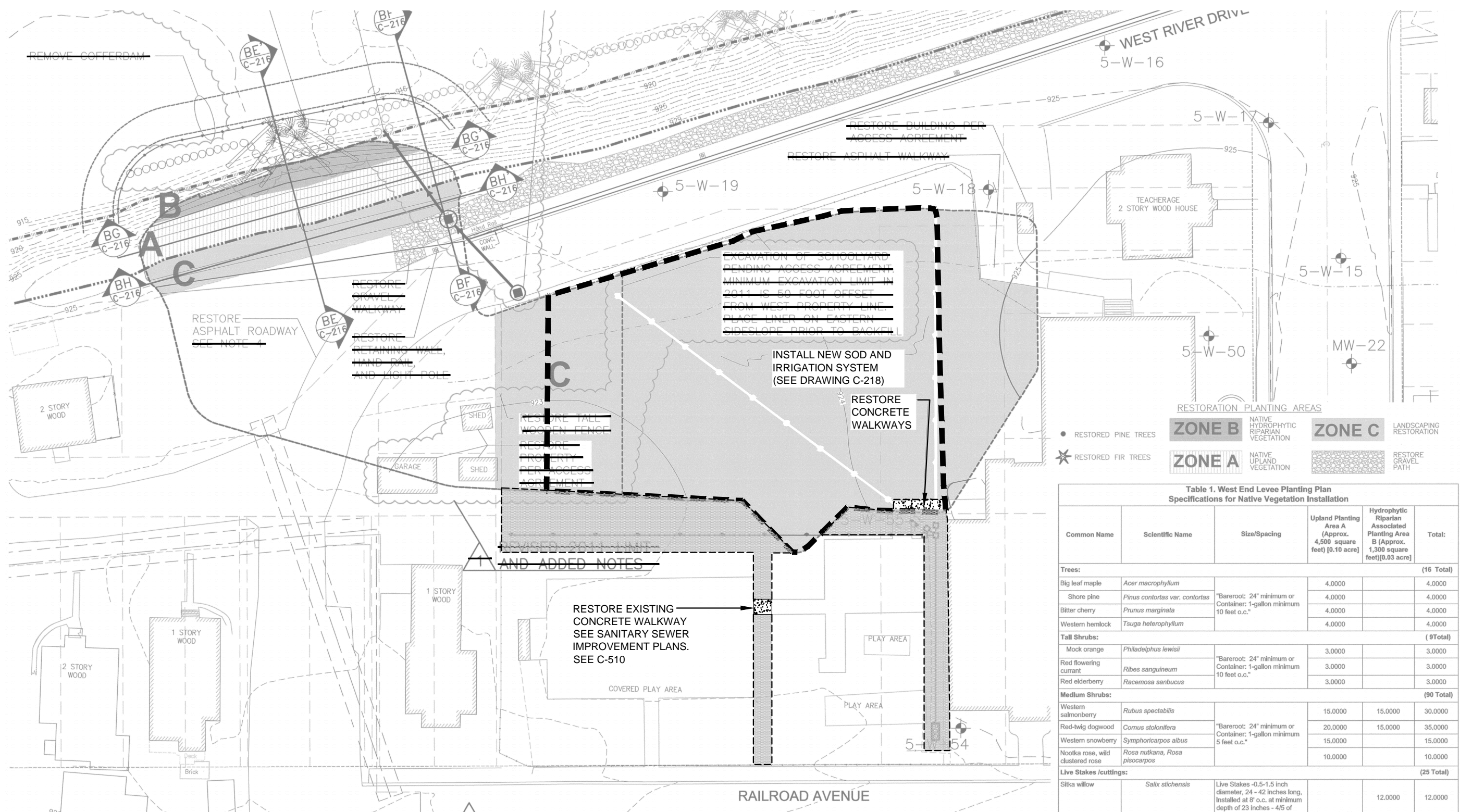


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	FINAL GRADING PLAN SCHOOLYARD		<b>C-214</b>



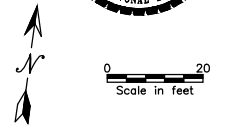


AND ADDED NOTES

- NOTE:
- LEVEL WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2011 OR 2012 AS DETERMINED BY PENDING ACCESS AGREEMENTS.
  - OVERHEAD UTILITIES WITHIN EXCAVATION AREA WHERE NECESSARY WILL BE REMOVED/RELOCATED BY OTHERS PRIOR TO WORK.
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  - UTILITIES WITHIN THE ACTIVE REMEDIATION AREAS MAY NOT BE AS DEPICTED ON THIS DRAWING.
  - FINAL GRADES SHOWN HERE ARE APPROXIMATE. CONTRACTOR SHALL RESTORE PROPERTIES PER PROPERTY SPECIFIC RESTORATION PLANS.
  - UTILITIES TO BE RESTORED PER C-100 AND C-500 SERIES CONSTRUCTION DRAWINGS.
  - REMOVE CONSTRUCTION FENCING, JERSEY BARRIERS, AND EROSION CONTROL FEATURES AFTER SITE IS STABILIZED.

Table 1. West End Levee Planting Plan Specifications for Native Vegetation Installation

Common Name	Scientific Name	Size/Spacing	Upland Planting Area A (Approx. 4,500 square feet) [0.10 acre]	Hydrophytic Riparian Associated Planting Area B (Approx. 1,300 square feet)[0.03 acre]	Total:
<b>Trees:</b>					<b>(16 Total)</b>
Big leaf maple	<i>Acer macrophyllum</i>		4,000		4,000
Shore pine	<i>Pinus contorta</i> var. <i>contorta</i>	"Bareroot: 24" minimum or Container: 1-gallon minimum 10 feet o.c."	4,000		4,000
Bitter cherry	<i>Prunus marginata</i>		4,000		4,000
Western hemlock	<i>Tsuga heterophyllum</i>		4,000		4,000
<b>Tall Shrubs:</b>					<b>(9 Total)</b>
Mock orange	<i>Philadelphus lewisii</i>		3,000		3,000
Red flowering currant	<i>Ribes sanguineum</i>	"Bareroot: 24" minimum or Container: 1-gallon minimum 10 feet o.c."	3,000		3,000
Red elderberry	<i>Racemosa sambucus</i>		3,000		3,000
<b>Medium Shrubs:</b>					<b>(90 Total)</b>
Western salmonberry	<i>Rubus spectabilis</i>		15,000	15,000	30,000
Red-twig dogwood	<i>Cornus stolonifera</i>	"Bareroot: 24" minimum or Container: 1-gallon minimum 5 feet o.c."	20,000	15,000	35,000
Western snowberry	<i>Symphoricarpos albus</i>		15,000		15,000
Nootka rose, wild clustered rose	<i>Rosa nutkana</i> , <i>Rosa pisocarpus</i>		10,000		10,000
<b>Live Stakes/cuttings:</b>					<b>(25 Total)</b>
Sitka willow	<i>Salix sitchensis</i>	Live Stakes -0.5-1.5 inch diameter, 24 - 42 inches long. Installed at 8' o.c. at minimum depth of 23 inches - 4/5 of length of cutting should be tamped in soil at 45 to 90 degree angle to planting surface May use 1 gallon minimum container.		12,000	12,000
Pacific ninebark	<i>Physocarpus capitatus</i>		Not Applicable	13,000	13,000
<b>Ground Cover:</b>					<b>(40 Total)</b>
Sword fern	<i>Polystichum munitum</i>	1 gallon container/ 5' o.c. o.c.	20,000	Not Applicable	Not Applicable
Trailing blackberry	<i>Rubus ursinus</i>	6" pot/ 3' oc.	20,000	Not Applicable	Not Applicable
<b>Total Plants:</b>			<b>125,000</b>	<b>55,000</b>	<b>180</b>



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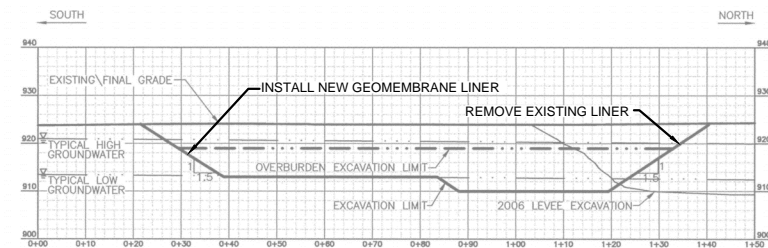
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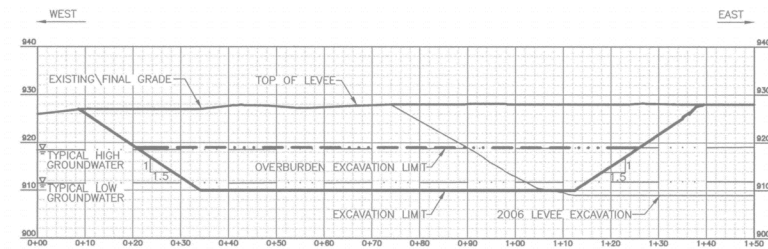
PREPARED FOR  
 THE BNSF RAILWAY COMPANY

FORMER MAINTENANCE AND FUELING FACILITY  
 SKYKOMISH, WASHINGTON  
 RESTORATION PLAN  
 SCHOOLYARD

SCALE AS SHOWN  
 PROJECT NO. 683-043  
 FILE NAME COMPREPORT.dwg  
 SHEET NO.  
**C-215**

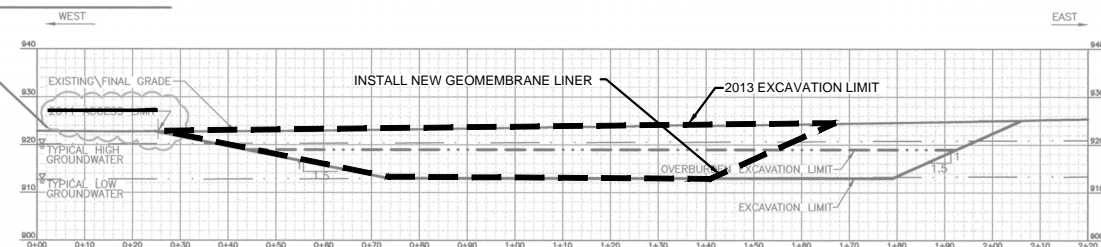


BB CROSS SECTION BB-BB'  
C-212, C-213



BC CROSS SECTION BC-BC'  
C-212, C-213

1 ADDED NOTE

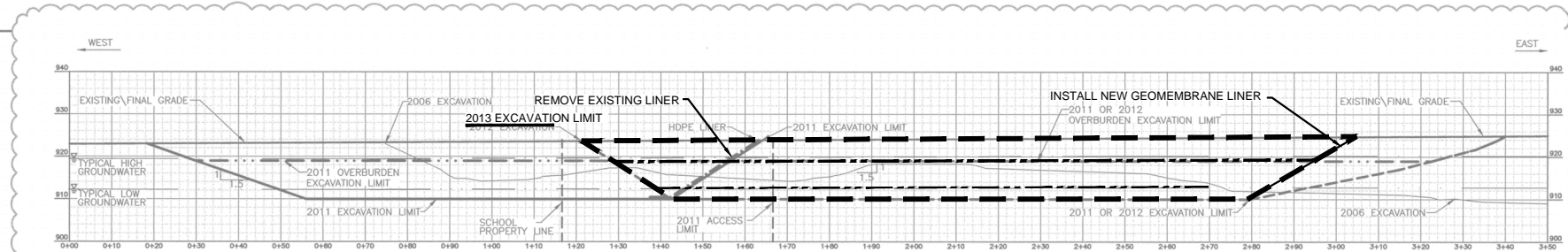


BD CROSS SECTION BD-BD'  
C-212, C-213

1 ADDED CROSS SECTION OF  
1 REVISED 2011 EXCAVATION LIMITS

NOTE  
1 REVISED

NOTE:  
1. LEVEL WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2011 OR 2012 AS DETERMINED BY PENDING ACCESS AGREEMENTS.  
2. FINAL GRADES SHOWN HERE ARE APPROXIMATE. CONTRACTOR SHALL RESTORE PROPERTIES PER PROPERTY SPECIFIC RESTORATION PLANS.  
3. TYPICAL HIGH AND LOW GROUNDWATER BASED ON POTENTIOMETRIC SURFACE MAPS FROM THE FEASIBILITY STUDY (RETEC, 2005, FIGURES K-1 AND K-2)

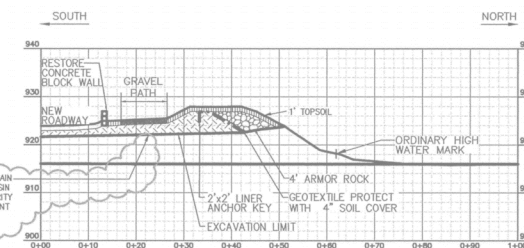


BI CROSS SECTION BI-BI'  
C-212, C-213

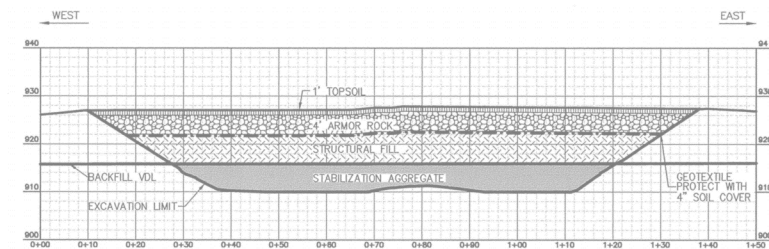
NOTE  
1. EXTENTS OF GROUNDWATER ON CROSS SECTION ARE INFERRED FROM THE LIMITS OF KNOWN DATA.

1 ADDED NOTE

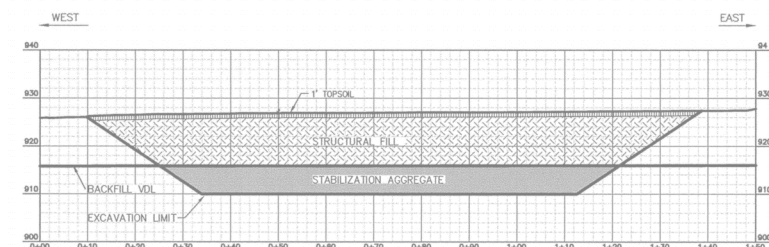
RELOCATED STORM DRAIN PIPES AND CATCH BASIN NOT SHOWN FOR CLARITY SEE ROAD REPLACEMENT PLANS AND DETAILS C-202 & C-203



BF CROSS SECTION BF-BF'  
C-214



BG CROSS SECTION BG-BG'  
C-214



BH CROSS SECTION BH-BH'  
C-214



3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM	
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BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

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SCHOOL YARD AND WEST END OF LEVEE EXCAVATION CONTROL POINTS									
POINT #	X (EASTING)	Y (NORTHING)	EXISTING GRADE	CLEAN OVERBURDEN EXCAVATION GRADE <sup>1</sup>		EXCAVATION GRADE <sup>2</sup>		FINAL GRADE <sup>3</sup>	
			ELEVATION	ELEVATION	CUT	ELEVATION	CUT	ELEVATION	FILL
SY-001	1,509,925.00	259,200.00	923.07	923.64	0.40	923.64	0.00	923.64	0.40
SY-002	1,509,950.00	259,200.00	923.17	926.64	3.53	926.64	0.00	926.64	3.53
SY-003	1,509,925.00	259,200.00	923.24	919.00	4.24	919.00	0.00	919.00	4.24
SY-004	1,509,900.00	259,200.00	923.91	919.00	3.91	919.00	0.00	919.00	3.91
SY-005	1,509,925.00	259,200.00	922.86	919.00	3.86	919.00	0.00	919.00	3.86
SY-006	1,509,950.00	259,200.00	922.93	919.00	3.93	919.00	0.00	919.00	3.93
SY-007	1,509,975.00	259,200.00	922.98	920.33	2.65	920.33	0.00	920.33	2.67
SY-008	1,510,000.00	259,200.00	922.99	922.30	0.69	922.30	0.00	922.30	0.70
SY-009	1,509,900.00	259,225.00	923.58	923.00	0.58	923.00	0.00	923.00	0.58
SY-010	1,509,925.00	259,225.00	923.91	923.00	0.91	923.00	0.00	923.00	0.91
SY-011	1,509,950.00	259,225.00	923.44	923.00	0.44	923.00	0.00	923.00	0.44
SY-012	1,509,975.00	259,225.00	923.44	923.00	0.44	923.00	0.00	923.00	0.44
SY-013	1,509,950.00	259,225.00	923.55	923.00	0.55	923.00	0.00	923.00	0.55
SY-014	1,509,925.00	259,225.00	923.20	923.00	0.20	923.00	0.00	923.00	0.20
SY-015	1,509,900.00	259,225.00	923.24	923.00	0.24	923.00	0.00	923.00	0.24
SY-016	1,509,950.00	259,225.00	923.06	922.00	1.06	922.00	0.00	922.00	1.06
SY-017	1,509,975.00	259,225.00	922.99	919.00	3.99	919.00	0.00	919.00	3.99
SY-018	1,510,000.00	259,225.00	923.07	919.00	4.07	919.00	0.00	919.00	4.07
SY-019	1,510,025.00	259,225.00	923.35	919.00	4.35	919.00	0.00	919.00	4.35
SY-020	1,510,050.00	259,225.00	923.69	919.00	4.69	919.00	0.00	919.00	4.69
SY-022	1,510,100.00	259,225.00	924.68	919.00	5.68	919.00	0.00	919.00	5.68
SY-023	1,509,900.00	259,250.00	923.97	919.00	4.97	919.00	0.00	919.00	4.97
SY-024	1,509,925.00	259,250.00	923.45	919.00	4.45	919.00	0.00	919.00	4.45
SY-025	1,509,950.00	259,250.00	923.04	919.00	4.04	919.00	0.00	919.00	4.04
SY-026	1,509,975.00	259,250.00	923.78	919.00	4.78	919.00	0.00	919.00	4.78
SY-027	1,509,900.00	259,250.00	923.81	919.00	4.81	919.00	0.00	919.00	4.81
SY-028	1,509,925.00	259,250.00	923.66	919.00	4.66	919.00	0.00	919.00	4.66
SY-029	1,509,950.00	259,250.00	923.40	919.50	3.90	919.50	0.00	919.50	3.90
SY-030	1,509,975.00	259,250.00	923.30	919.00	4.30	919.00	0.00	919.00	4.30
SY-031	1,510,000.00	259,250.00	923.26	919.00	4.26	919.00	0.00	919.00	4.26
SY-032	1,510,025.00	259,250.00	923.51	919.00	4.51	919.00	0.00	919.00	4.51
SY-033	1,510,050.00	259,250.00	923.80	919.00	4.80	919.00	0.00	919.00	4.80
SY-034	1,510,075.00	259,250.00	924.15	919.00	5.15	919.00	0.00	919.00	5.15
SY-035	1,510,100.00	259,250.00	924.48	920.00	4.48	920.00	0.00	920.00	4.48
SY-036	1,510,125.00	259,250.00	924.82	921.75	3.07	921.75	0.00	921.75	3.07
SY-037	1,509,900.00	259,275.00	923.97	919.00	4.97	919.00	0.00	919.00	4.97
SY-038	1,509,925.00	259,275.00	923.38	919.00	4.38	919.00	0.00	919.00	4.38
SY-039	1,509,950.00	259,275.00	923.77	919.00	4.77	919.00	0.00	919.00	4.77
SY-040	1,509,975.00	259,275.00	924.83	923.00	1.83	923.00	0.00	923.00	1.83
SY-041	1,509,900.00	259,275.00	923.93	919.00	4.93	919.00	0.00	919.00	4.93
SY-042	1,509,950.00	259,275.00	923.84	922.62	1.22	922.62	0.00	922.62	1.22
SY-043	1,509,975.00	259,275.00	923.72	919.00	4.72	919.00	0.00	919.00	4.72
SY-044	1,510,000.00	259,275.00	923.57	919.00	4.57	919.00	0.00	919.00	4.57
SY-045	1,510,025.00	259,275.00	923.68	919.00	4.68	919.00	0.00	919.00	4.68
SY-046	1,510,050.00	259,275.00	923.93	919.00	4.93	919.00	0.00	919.00	4.93
SY-047	1,510,075.00	259,275.00	924.28	919.00	5.28	919.00	0.00	919.00	5.28
SY-048	1,510,100.00	259,275.00	924.65	924.15	0.50	924.15	0.00	924.15	0.50
SY-049	1,510,125.00	259,275.00	924.98	923.00	1.98	923.00	0.00	923.00	1.98
SY-050	1,509,925.00	259,300.00	924.11	919.00	5.11	919.00	0.00	919.00	5.11
SY-051	1,509,950.00	259,300.00	923.55	919.00	4.55	919.00	0.00	919.00	4.55
SY-052	1,509,975.00	259,300.00	923.97	919.00	4.97	919.00	0.00	919.00	4.97
SY-053	1,509,900.00	259,300.00	926.07	926.05	0.02	926.05	0.00	926.05	0.02
SY-054	1,510,000.00	259,300.00	923.97	923.97	0.00	923.97	0.00	923.97	0.00
SY-055	1,510,025.00	259,300.00	923.94	919.00	4.94	919.00	0.00	919.00	4.94
SY-056	1,510,050.00	259,300.00	924.14	919.00	5.14	919.00	0.00	919.00	5.14
SY-057	1,510,075.00	259,300.00	924.42	919.00	5.42	919.00	0.00	919.00	5.42
SY-058	1,510,100.00	259,300.00	924.78	919.00	5.78	919.00	0.00	919.00	5.78
SY-059	1,510,125.00	259,300.00	925.05	925.00	0.05	925.00	0.00	925.00	0.05
SY-060	1,510,075.00	259,325.00	924.59	922.35	2.25	922.35	0.00	922.35	2.25
SY-061	1,510,100.00	259,325.00	924.83	920.20	4.63	920.20	0.00	920.20	4.63
SY-062	1,510,125.00	259,325.00	925.03	921.80	3.23	921.80	0.00	921.80	3.23

- NOTE:
1. LEVEE WEST END AND SCHOOLYARD EXCAVATION TO BE COMPLETED IN 2010 OR 2011 AS DETERMINED BY PENDING ACCESS AGREEMENTS.
  2. CLEAN OVERBURDEN EXCAVATION GRADE CONTOURS ARE SHOWN ON DRAWING C-212. CUT DEPTH IS FROM EXISTING GRADE.
  3. EXCAVATION GRADE CONTOURS ARE SHOWN ON DRAWING C-213. CUT DEPTH IS FROM CLEAN OVERBURDEN EXCAVATION GRADE.
  4. FINAL GRADE CONTOURS ARE SHOWN ON DRAWING C-214. FILL DEPTH IS FROM EXCAVATION GRADE.
  5. ELEVATIONS ARE LISTED IN FEET MEAN SEA LEVEL. CUT/FILL DEPTHS ARE LISTED IN FEET.

SCHOOL YARD AND WEST END OF LEVEE EXCAVATION CONTROL POINTS									
POINT #	X (EASTING)	Y (NORTHING)	EXISTING GRADE	METALS OVERBURDEN EXCAVATION GRADE <sup>5</sup>		EXCAVATION GRADE <sup>2</sup>		FINAL GRADE <sup>3</sup>	
			ELEVATION	ELEVATION	CUT	ELEVATION	CUT	ELEVATION	FILL
SY-009	1,510,050.00	259,200.00	923.58	921.58	2.00	921.58	0.00	923.58	2.00
SY-021	1,510,075.00	259,225.00	924.06	919.00	5.06	913.00	6.00	924.06	11.06



DATE	DESCRIPTION	BY	CKD.	APP.
3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM

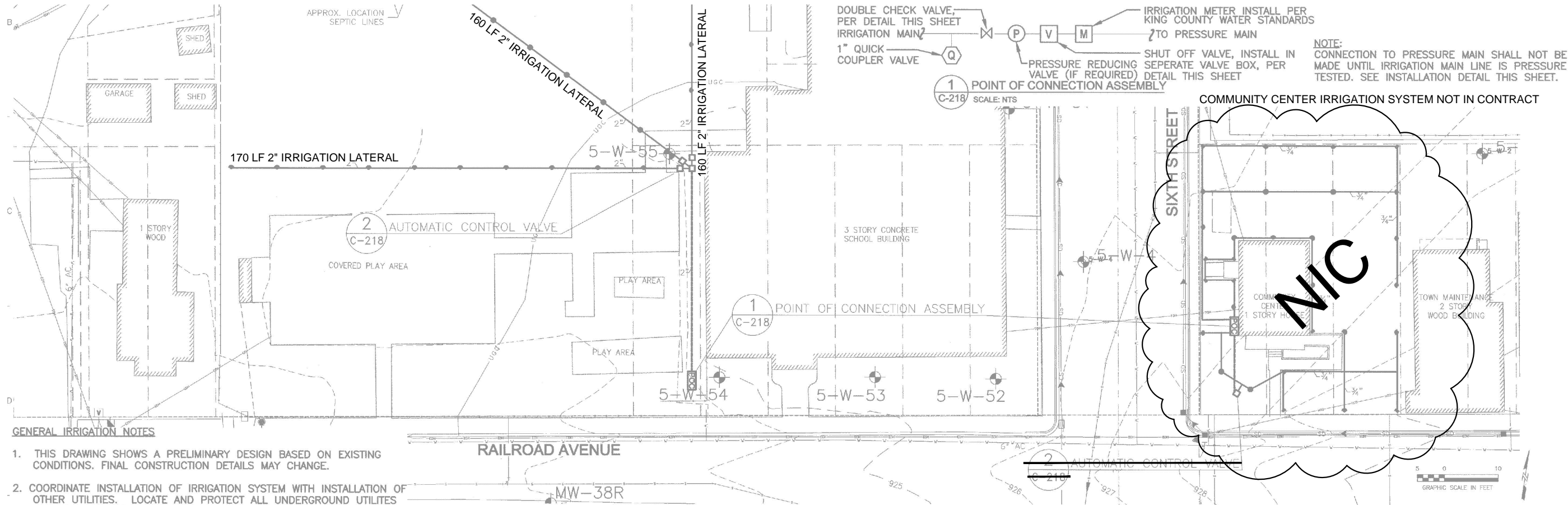
BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

PREPARED BY  
  
 FARALLON CONSULTING  
 975 5th Avenue Northwest  
 Issaquah, WA 98027

PREPARED FOR  
 THE BNSF RAILWAY COMPANY

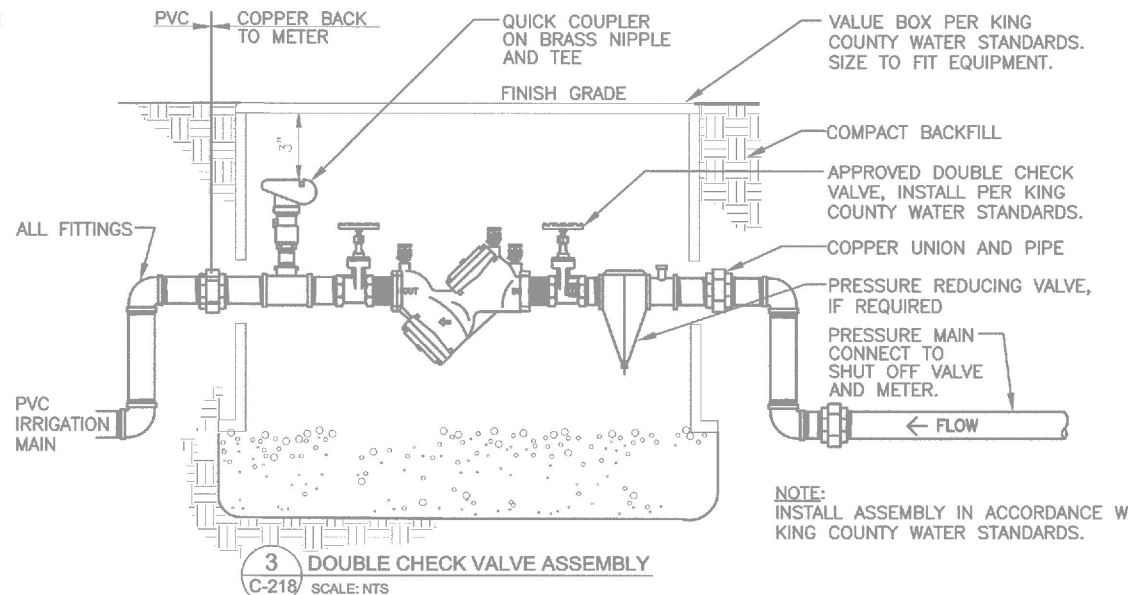
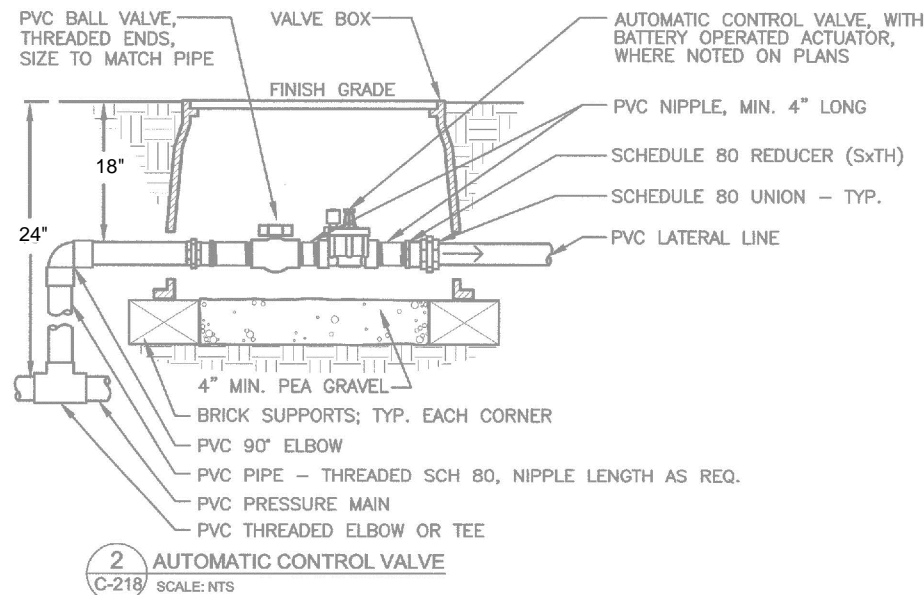
FORMER MAINTENANCE AND FUELING FACILITY  
 SKYKOMISH, WASHINGTON  
 EXCAVATION CONTROL POINTS  
 SCHOOLYARD

SCALE AS SHOWN  
 PROJECT NO. 683-043  
 FILE NAME COMPREPORT.dwg  
 SHEET NO. C-217



**GENERAL IRRIGATION NOTES**

1. THIS DRAWING SHOWS A PRELIMINARY DESIGN BASED ON EXISTING CONDITIONS. FINAL CONSTRUCTION DETAILS MAY CHANGE.
2. COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH INSTALLATION OF OTHER UTILITIES. LOCATE AND PROTECT ALL UNDERGROUND UTILITIES DURING INSTALLATION OF IRRIGATION SYSTEM.
3. IRRIGATION SYSTEM SHALL BE INSTALLED, TESTED, MAINTAINED AND GUARANTEED AS PER SPECIFICATIONS.
4. IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 25-30 PSI. CONTRACTOR SHALL FIELD CHECK EXISTING WATER PRESSURE, ADJUSTING PRV AS NECESSARY TO PROVIDE OPTIMUM PERFORMANCE.
5. LOCATIONS OF IRRIGATION MAINLINE, LATERALS, SLEEVING AND VALVES INDICATED ON DRAWINGS ARE SCHEMATIC ONLY. ADJUST LOCATIONS AS NECESSARY. DO NOT OVERSPRAY ONTO PAVED SURFACES.
6. MAIN LINE SHALL BE BURIED TO A DEPTH OF 24" BELOW FINISH GRADE. LATERAL LINE SHALL BE BURIED TO A DEPTH OF 18" BELOW FINISH GRADE.
7. SLEEVE UNDER ALL PAVED SURFACES AND CONCRETE SIDEWALK. SEE IRRIGATION PLANS FOR LOCATION OF PVC SLEEVING, SLEEVING SHALL BE 2 TIMES THE DIAMETER OF THE INSERT PIPE AND WIRES.
8. CONTROLLER WIRES SHALL BE TAPED TO IRRIGATION MAIN OR LATERAL LINES WHERE POSSIBLE. IF NOT AVAILABLE, WIRES TO CONTROLLER SHALL BE PLACED IN 1" / 1.5" SLEEVE, USE 3M DBY SPLICE KITS.
9. ALL EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. SYSTEM IS SPECIFICALLY DESIGNED FOR IRRIGATION EQUIPMENT SHOWN ON PLANS AND SUBSTITUTION WILL REQUIRE REDESIGN AND RECALCULATION OF IRRIGATION ZONES.

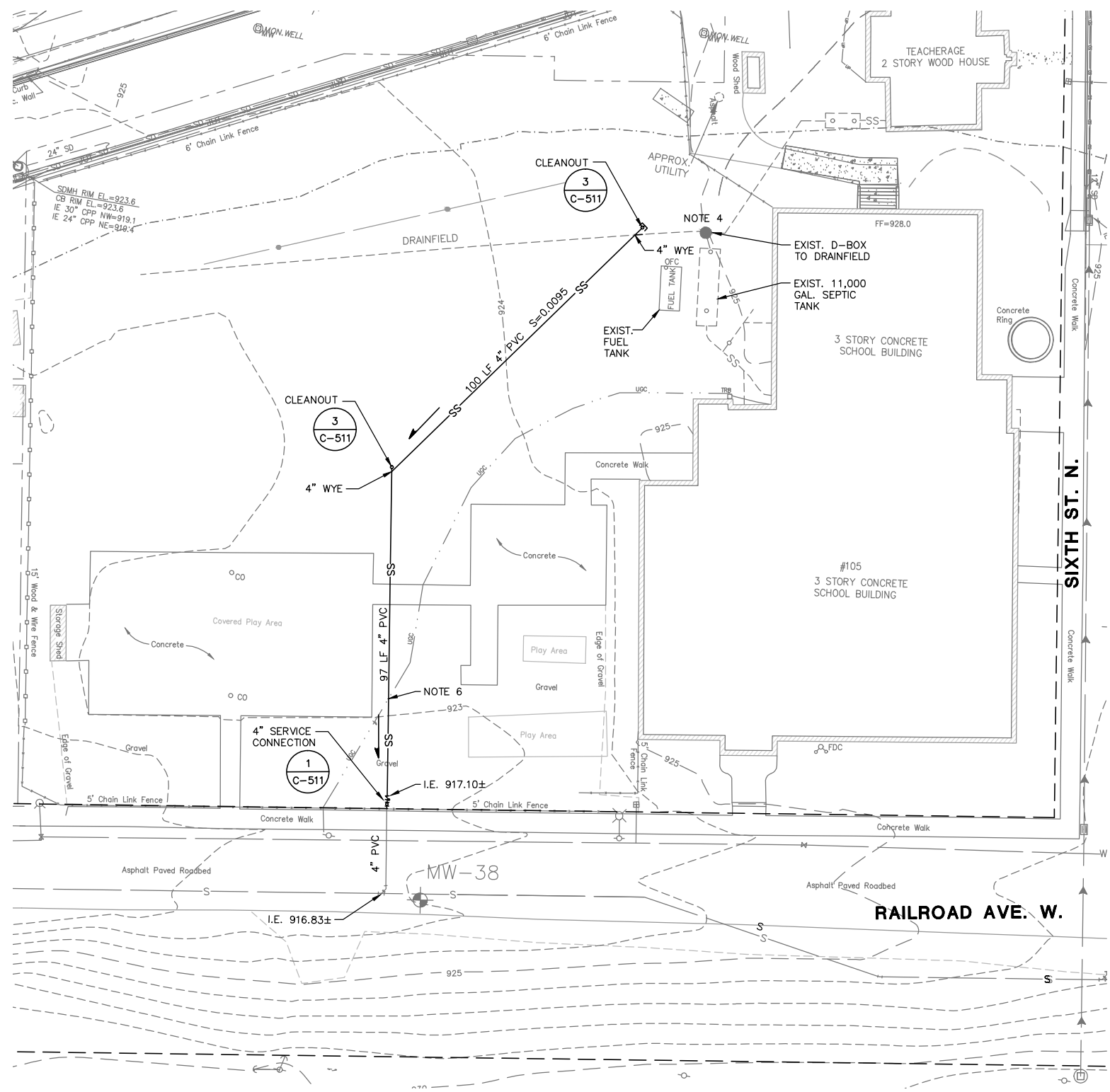


3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM	
DATE	DESCRIPTION	BY	CKD.	APP.	

BASE DRAWING REPRODUCED FROM 2010 REMEDIATION DESIGN FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON ISSUED FOR CONSTRUCTION (ISSUE NO.4) 5/30/2011

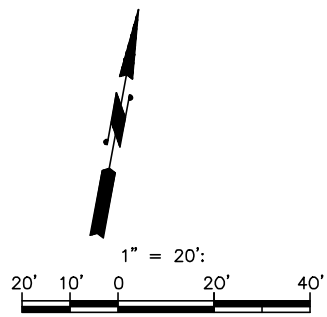
<p>PREPARED BY</p> <p>FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027</p>	<p>PREPARED FOR</p> <p>THE BNSF RAILWAY COMPANY</p>	<p>FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON</p> <p>IRRIGATION SYSTEM SCHOOLYARD</p>	<p>SCALE AS SHOWN</p> <p>PROJECT NO. 683-043</p> <p>FILE NAME COMPREPORT.dwg</p> <p>SHEET NO. <b>C-218</b></p>
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**CONSTRUCTION NOTES:**

1. UTILITY CROSSING: CONTRACTOR SHALL POTHOLE AND FIELD VERIFY LOCATION/ELEVATION OF EXISTING UTILITY PRIOR TO CONSTRUCTION. ALL UTILITY CROSSINGS MAY NOT BE SHOWN.
2. MINIMUM SLOPE FOR SIDE SEWER STUB IS 0.01 UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF SIDE SEWER WITH PROPERTY OWNER PRIOR TO INSTALLATION.
4. DIST. BOX - FLUID LEVEL 4'-8" FROM GROUND SURFACE. TOP OF RISER 2'-10" GROUND SURFACE. POT HOLE TO VERIFY DEPTH AND TYPE OF PIPE AND DIAMETER FOR DRAINFIELD DISCHARGE. PROVIDE TRANSITION COUPLING, AS REQUIRED, TO CONNECT TO 4" PVC.
5. DIAMETER OF EXIST. PIPELINE FROM EXISTING D-BOX TO DRAINFIELD IS UNKNOWN. FIELD VERIFY AND PROVIDE TRANSITION TO 4" PVC.
6. POT HOLE FOR UNDERGROUND CONDUIT.

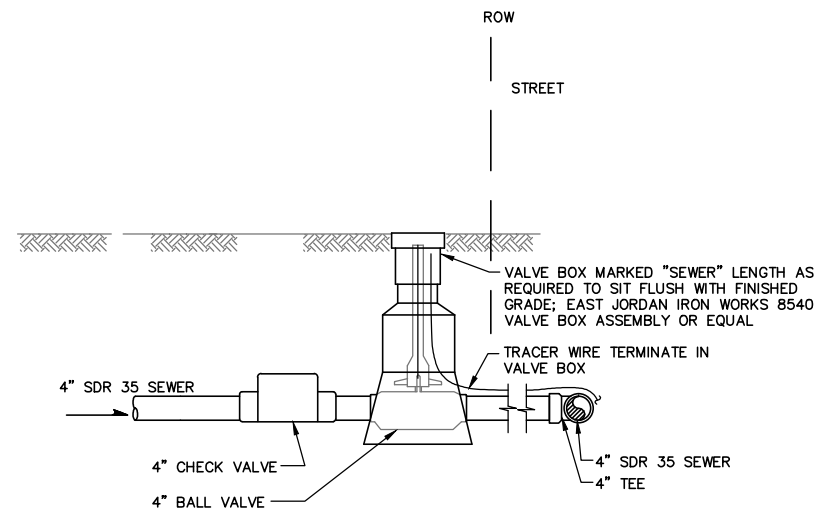


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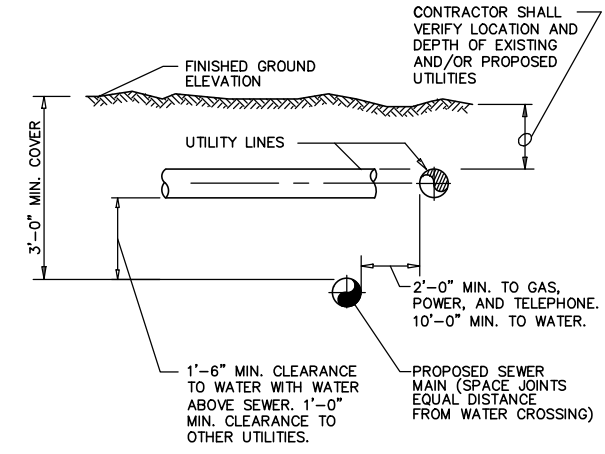
	PREPARED BY 	PREPARED FOR THE BNSF RAILWAY COMPANY	FORMER MAINTENANCE AND FUELING FACILITY SKYKOMISH, WASHINGTON	SCALE AS SHOWN
	FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027	SANITARY SEWER PLAN PIPELINE TO TOWN SEWER	PROJECT NO. 683-043 FILE NAME COMPREPORT.dwg SHEET NO. C-510	

DATE	DESCRIPTION	BY	CKD.	APP.
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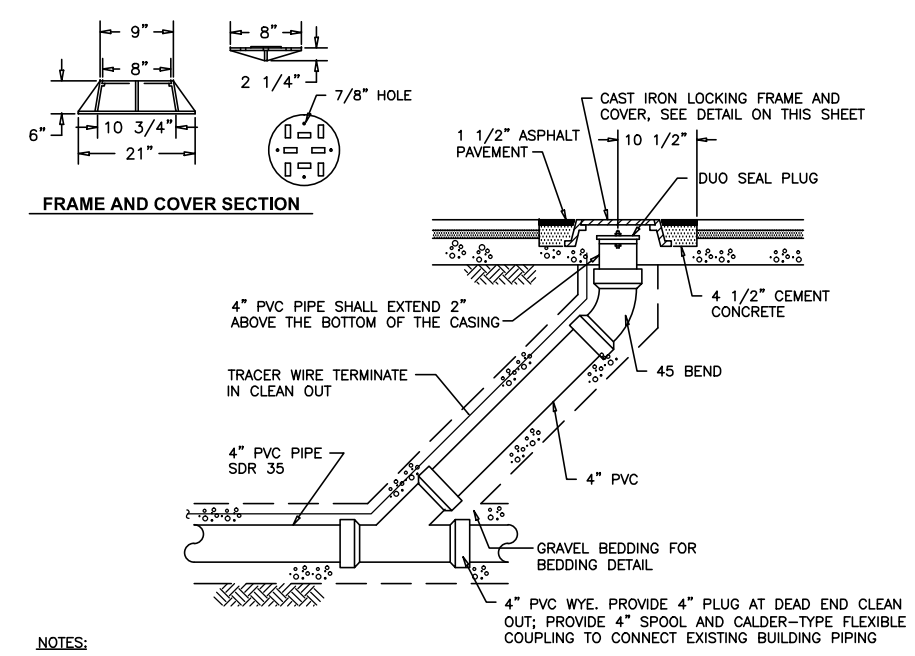
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**4" SERVICE CONNECTION** 1  
SCALE: 3/4"=1'-0" C-510

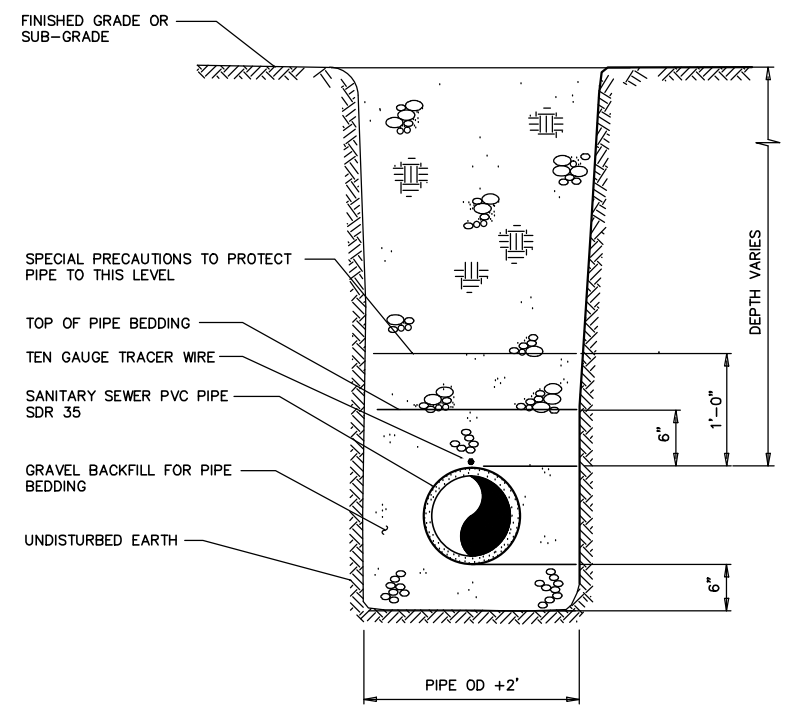


**TYPICAL UTILITY CROSSING** 2  
NOT TO SCALE C-510



- NOTES:
- MACHINE BEARING FACES OF FRAME AND COVER TO INSURE POSITIVE FIT.
  - CLEANOUT ASSEMBLY SHALL BE DUCTILE IRON WHERE NOTED ON DRAWINGS.

**SEWER MAIN CLEAN OUT ASSEMBLY** 3  
NOT TO SCALE C-510



- NOTES:
- BACKFILL MATERIAL SHALL CONFORM TO WSDOT STANDARDS
  - KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.
  - UPON COMPLETION OF SANITARY SEWER, CLEAN AND FLUSH SEWER AND CONDUCT LEAKAGE TEST IN ACCORDANCE WITH 7-17.3 (2) F OF THE 2012 WSDOT STANDARD SPECIFICATIONS.

**SANITARY SEWER TRENCH SECTION** 4  
NOT TO SCALE C-510

DATE	DESCRIPTION	BY	CKD.	APP.
3/13/2013	ISSUED FOR ECOLOGY REVIEW	DEW	AV	RM

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		THE BNSF RAILWAY COMPANY		
FARALLON CONSULTING 975 5th Avenue Northwest Issaquah, WA 98027			SEWER DETAILS	PROJECT NO. 683-043
				FILE NAME COMPREPORT.dwg
				SHEET NO. C-511