STREET & DRAINAGE PLANS

VALENOV EXTENSION EAST

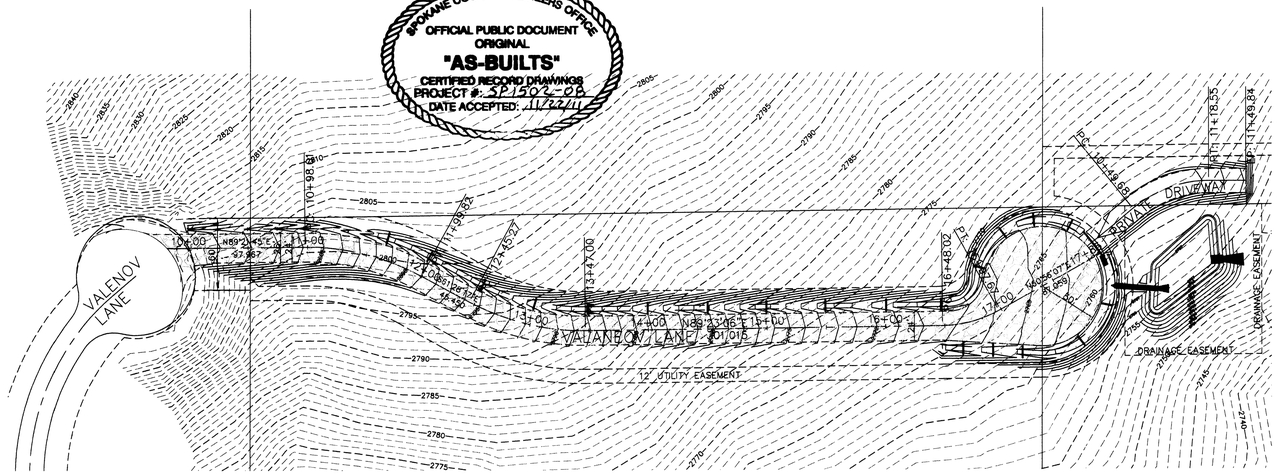
SPOKANE COUNTY, WASHINGTON

NE 1/4 SECTION 19, T. 24 N., R. 44 E., W.M.

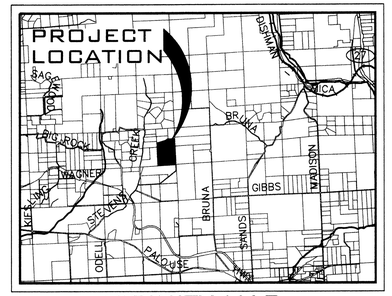
RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP1502-08
DATE ACCEPTED: 11/22/11



SITE PLAN
SCALE: 1" = 60'



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN **SPOKANE COUNTY** REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE **SPOKANE COUNTY** INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE **SPOKANE COUNTY** INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.

4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE **SPOKANE COUNTY** AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.

5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.

7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY **SPOKANE COUNTY** THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN, IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION AND PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH **SPOKANE COUNTY**.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.

11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE **SPOKANE COUNTY** INSPECTOR AT ALL TIMES.

13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.

14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND-DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE **SPOKANE COUNTY** ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

17. ALL CONSTRUCTION OPERATIONS , INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY **SPOKANE COUNTY**.

18. BASED ON A REQUIREMENT FROM THE **SPOKANE COUNTY** THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE **SPOKANE COUNTY** ENGINEER.

19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE **SPOKANE COUNTY** ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

20. ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE **SPOKANE COUNTY** DEPARTMENT OF BUILDING AND PLANNING AT 509-477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO , GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.

INDEX TO PLAN SHEETS

SHEET NO. 1	COVER SHEET
SHEET NO. 2	SECTIONS AND DETAILS
SHEET NO. 3	VALANEOV LANE PROFILE
SHEET NO. 4	POND DETAILS
SHEET NO. 5	EROSION CONTROL PLAN
SHEET NO. 6	EROSION CONTROL DETAILS

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED PROFESSIONAL ENGINEER
11-7-11
EXPIRES 11/24/13

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

GRAPHIC SCALE
60 0 30 60 120
(IN FEET)
1 inch = 60 ft.

LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
x x	FENCE	x x
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	SURVEY MONUMENT	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEWER SERVICE	
	WATER	
	WATER LINE	
V	VALVE	V
FH	FIRE HYDRANT	FH
WS	SERVICE	WS
WM	METER	WM
BO	BLOWOFF	BLOWOFF
AVRS	AIR VACUUM RELIEF STATION	AVRS
	STORM DRAINAGE	
	DRAINAGE LINE	
MH	MANHOLE	MH
DW	DRYWELL	DW
CB	CATCH BASIN	CB
	DITCH	
	NATURAL GAS	
G	GAS LINE	G
V	VALVE	V
GM	METER	GM
	TELEPHONE - POWER	
BT	BURIED TELEPHONE	BT
PP	POWER OR TELEPHONE POLE	
BP	BURIED POWER	BP
TP	TRANSFORMER PAD	TP
TR	TELEPHONE RISER	TR
TV	TELEPHONE VAULT	TV
OP	OVERHEAD POWER	OH
GA	GUY ANCHOR	GA
PV	POWER VAULT	PV
LP	LIGHT POLE	LP

STREETS
SPOKANE COUNTY ENGINEERING
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7478
CONTACT: MATT ZARECOR, P.E.

SEWER
SPOKANE COUNTY UTILITIES
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3604
FAX: 509-477-4715
CONTACT: BILLY URHAUSEN

WATER
ON-SITE WELLS

FIRE DEPARTMENT
FIRE DISTRICT NO. 8
EAST 12100 PALOUSE HIGHWAY
VALLEY FORD, WA 99036
PHONE: 509-926-6699
FAX: 509-924-83.58
CONTACT: LONNIE RASH

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-324-1560-1
FAX: 509-324-3603
CONTACT: DON COPLEY

POWER
INLAND POWER AND LIGHT
320 EAST 2ND. AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-747-7151
FAX: 509-626-4229
CONTACT: DAN VILLALOBOS

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-755-4717
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220
PHONE: 509-495-8536
FAX: 509-495-8734
CONTACT: SHERRY MILLER

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAVE CLARK

SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-3400

INSPECTION
ALLWEST
12928 E. INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: PAUL T. NELSON, P.E.

SURVEYOR
PAT MOORE & ASSOCIATES
1425 WEST MANSFIELD AVENUE
SPOKANE, WASHINGTON 99205
PHONE: 509-328-1224
FAX: 509-328-3191
CONTACT: PAT MOORE, P.L.S.

ENGINEERING
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: JOHN SAYWERS, P.E.

OWNER/DEVELOPER
FRANK HONOROF
104 SOUTH DIVISION STREET #E
SPOKANE, WASHINGTON 99202
PHONE: 509-838-9066
CONTACT: MEG ARPIN

ABBREVIATIONS

ACT. LEN.	ACTUAL LENGTH	GB	GRADE BREAK
BOR	BEGINNING OF CURVE RADIUS	FT./FT.	FEET PER FOOT
BDRY.	BOUNDARY	HYD.	HYDRANT
CO.	SEWER CLEANOUT	I.E.	INVERT ELEVATION
CSTC	CRUSHED SURFACE TOP COURSE	LN.	LANE
CT.	COURT	LT.	LEFT
DIA.	DIAMETER	MH	MANHOLE
EOR	END OF CURVE RADIUS	MCR	MIDDLE OF CURVE RADIUS
EXIST.	EXISTING	PC	POINT OF CURVATURE
G	GRADE	PET.	PETROLEUM
		PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVE		
PT	POINT OF TANGENCY		
RIM EL.	RIM ELEVATION		
RD	ROAD		
RT.	RIGHT		
SI	STREET INTERSECTION		
SS	SANITARY SEWER		
STA.	STATION		
STA. LEN.	STATION LENGTH		
TG	TOP OF GRATE		
TC	TOP OF CURB		

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT AS MODIFIED BY SPOKANE COUNTY. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES PRIVATE:
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

SP-1502-08

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER

NAVD-88
W.S.D.O.T. G.P.S. MON "PRN 32-15"
0.35± MILES EAST OF THE INTERSECTION OF THE PALOUSE HIGHWAY AND DUNN ROAD.
ELEVATION=2502.90 FEET

DEVELOPER'S APPROVAL ____ DATE ____

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N/A

PROJ #: 2008-494
DATE: 03/17/09
DRAWN: MAT
APPROVED: JFS

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET & DRAINAGE PLANS
COVER SHEET
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

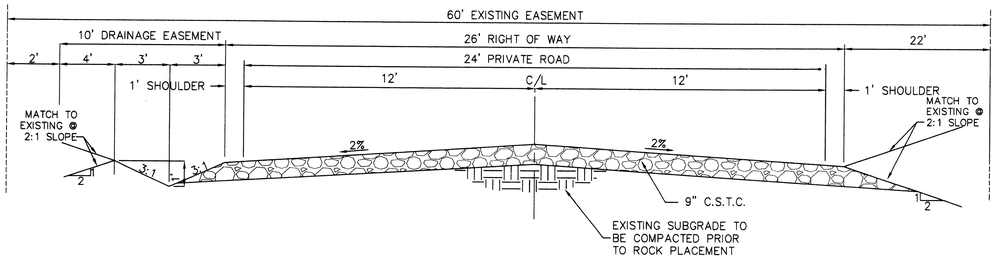
SHEET 1 OF 6
JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"

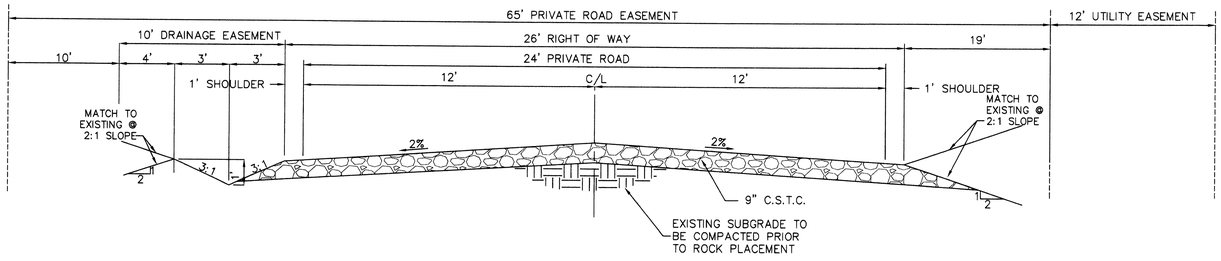
NW 1/4 SECTION 20, T. 24 N., R. 44 E., W.M.

RECORD DRAWING

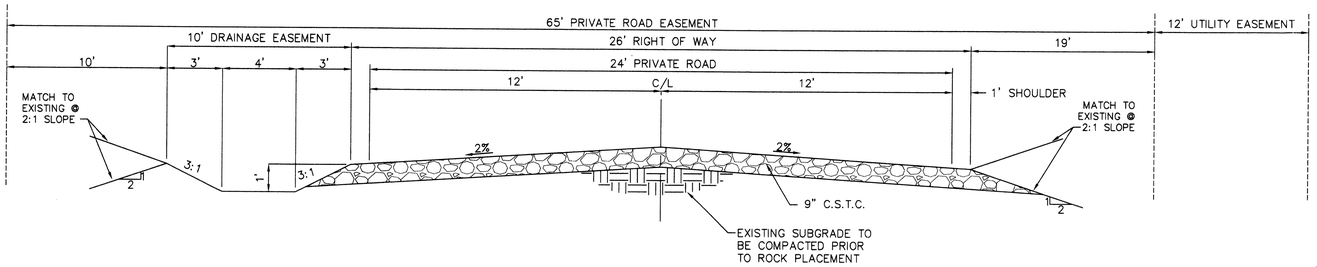
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG



PRIVATE ROAD SECTION - STA.10+00.00 TO STA.10+52.00 — 1 / -
NOT TO SCALE

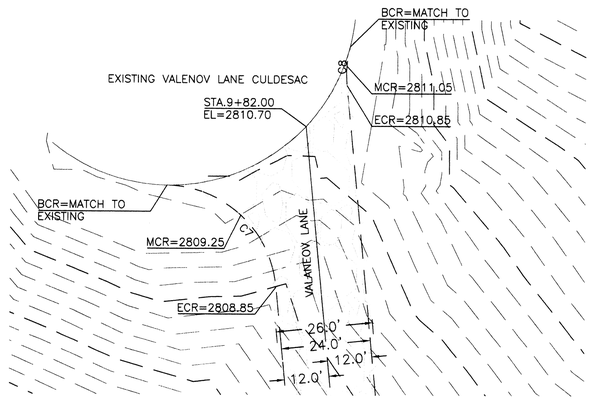


PRIVATE ROAD SECTION - STA.10+52.00 TO STA.11+50.00 — 2 / -
NOT TO SCALE

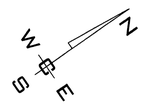


PRIVATE ROAD SECTION - STA.11+50.00 TO END OF ROAD — 3 / -
NOT TO SCALE

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C7	30.00	43.78	26.83	40.00	83°37'18"
C8	30.00	10.54	5.33	10.49	20°7'52"



PRIVATE ROAD CONNECTION DETAIL — 4 / -
1"=20'



NOTE:

GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

15 PERCENT	ELKA PERRENIAL RYE
25 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR SHEEP/FESCUE
15 PERCENT	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

GRASS SEED:	90 LBS. PER ACRE
FERTILIZER:	16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING OF SLOPES SHALL SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SECTION 8-01.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP1502-08
DATE ACCEPTED: 11/22/11

PAUL T. NELSON
STATE OF WASHINGTON
17228
REGISTERED
PROFESSIONAL ENGINEER
11-17-11
EXPIRES 11/24/13

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES PRIVATE:
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

JOHN FRANK SAYMERS
STATE OF WASHINGTON
36212
REGISTERED
PROFESSIONAL ENGINEER

NAVD-88

BASEC ON WSDOT GPS MON "GP32195-181" LOCATED ON THE NORTH SIDEWALK OF THE HANGMAN CREEK BRIDGE. ELEVATION = 1857.897 FEET (566.287 METERS)

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N/A

PROJ #: 2008-494
DATE: 03/17/09
DRAWN: MAT
APPROVED: JFS

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET & DRAINAGE PLANS
ROADWAY SECTIONS & DETAILS
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

SHEET 2 OF 6
JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"

SP1502-08 1808

NW 1/4 SECTION 20, T. 24 N., R. 44 E., W.M.

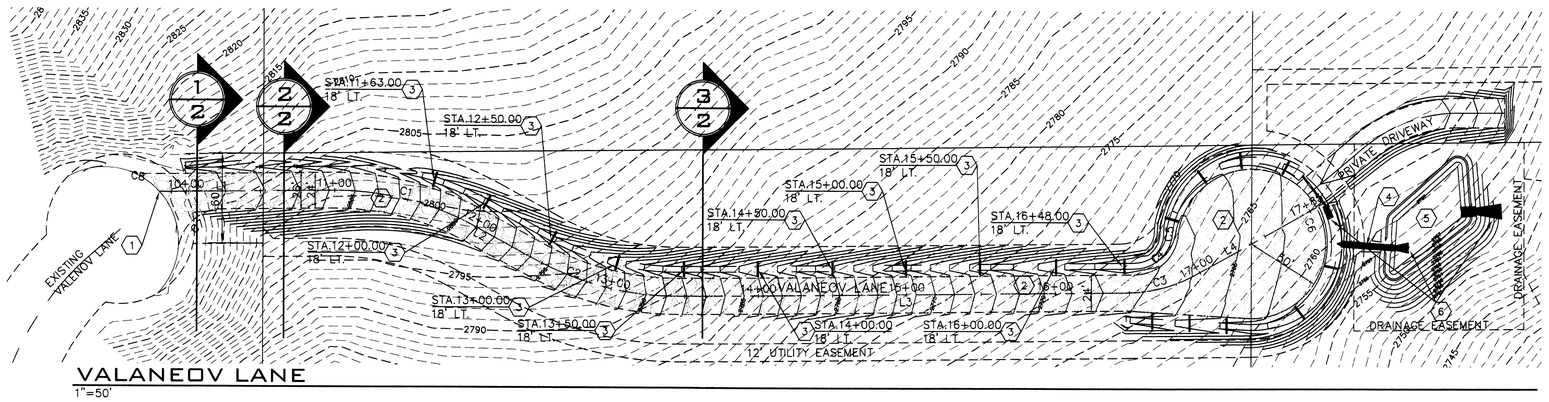
RECORD DRAWING

NOTE: PROVIDE AND INSTALL DRYLAND HYOROSEEDING FOR POND PER SPOKANE REGIONAL STORMWATER MANUAL "SECTION 7.3.8 – PLANTING REQUIREMENTS".

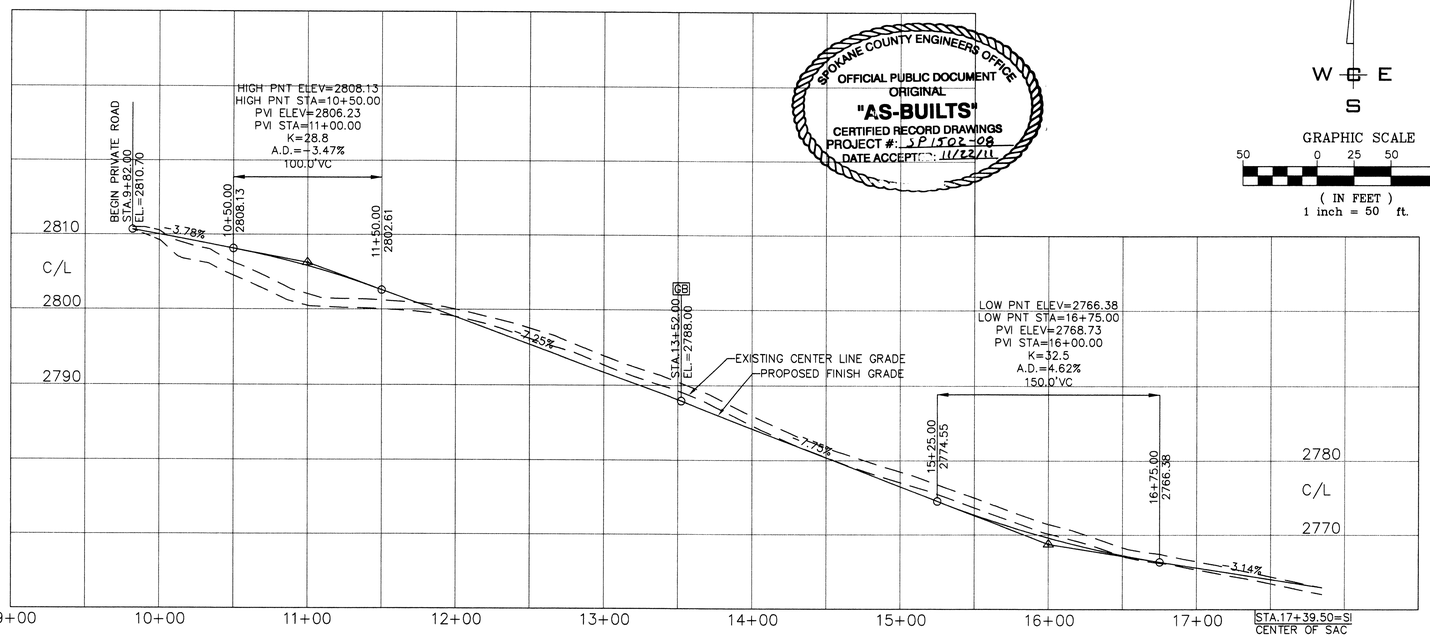
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

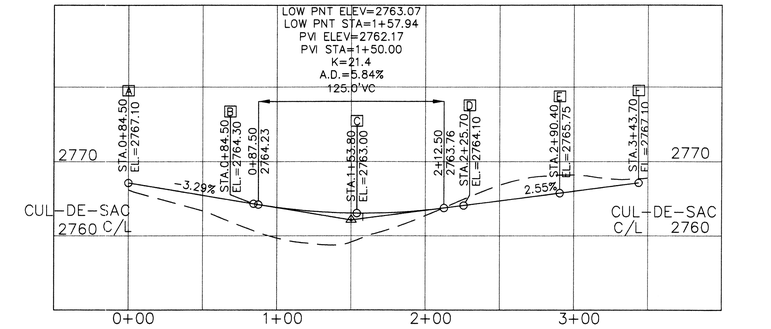
CONSTRUCTION NOTES

1. CONNECT AND TIE INTO EXISTING VALENOV LANE CUL-DE-SAC. SEE DETAIL 4, SHEET 2 FOR ELEVATION INFORMATION.
2. PROVIDE AND INSTALL 9" OF C.S.T.C PER SPOKANE COUNTY STANDARDS. SEE SHEET 2 FOR ROAD SECTION DETAILS.
3. PROVIDE AND INSTALL ROCK CHECK DAMS AT LOCATIONS SHOWN. SEE DETAIL 1, THIS SHEET.
4. PROVIDE AND INSTALL V-DITCH. SEE SHEET 4 FOR DETAILS.
5. PROVIDE AND INSTALL POND. SEE SHEET 4 FOR DETAILS.
6. PROVIDE AND INSTALL RIPRAP PADS. SEE SHEET 4 FOR DETAILS.



VALANEOV LANE
1"=50'





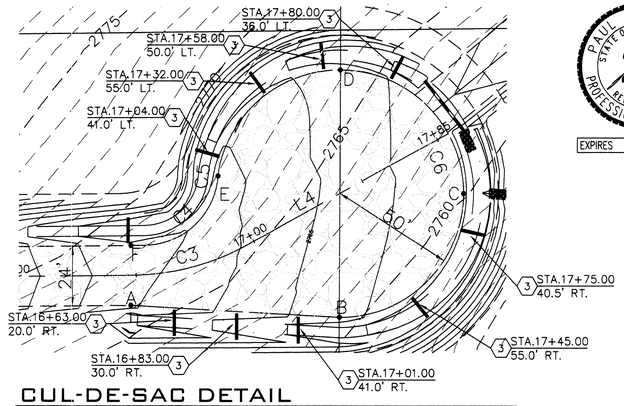
CUL-DE-SAC PROFILE

H: 1"=50'
V: 1"=10'

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
11-17-11

EXPIRES 11/24/13



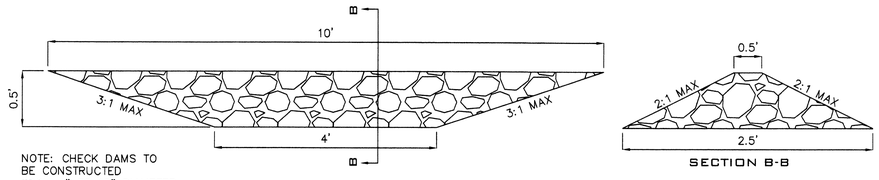
CUL-DE-SAC DETAIL

1"=30'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP 1502-108
DATE ACCEPT: 11/22/11

N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.



NOTE: CHECK DAMS TO BE CONSTRUCTED FROM 4" TO 10" DIAMETER STONE.

SECTION B-B

CHECK DAM DETAIL

NOT TO SCALE

1

LINE TABLE		
LINE	LENGTH	BEARING
L1	98.01	N 89°21'45" E
L2	45.45	S 61°28'17" E
L3	301.02	N 89°23'6" E
L4	92.06	N 60°56'7" E

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	200.00	101.81	52.03	100.71	29°9'58"
C2	200.00	101.73	51.99	100.64	29°8'37"
C3	100.00	49.65	25.35	49.15	28°26'59"
C4	30.00	44.79	27.75	40.74	85°32'19"
C5	30.00	5.59	2.80	5.58	10°40'8"
C6	45.00	206.17	51.31	67.67	262°29'58"
C7	30.00	43.78	26.83	40.00	83°37'18"
C8	30.00	10.54	5.33	10.49	20°7'52"

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES PRIVATE:
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED
PROFESSIONAL ENGINEER

SP-1502-08

NAVD-88
W.S.D.O.T. G.P.S. MON "PRN 32-15"
0.35± MILES EAST OF THE INTERSECTION OF THE PALOUSE HIGHWAY AND DUNN ROAD.
ELEVATION=2502.90 FEET

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: 1"=10'

PROJ #: 2008-494
DATE: 03/17/09
DRAWN: MAT
APPROVED: JFS

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET & DRAINAGE PLANS
PRIVATE ROAD PROFILE
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

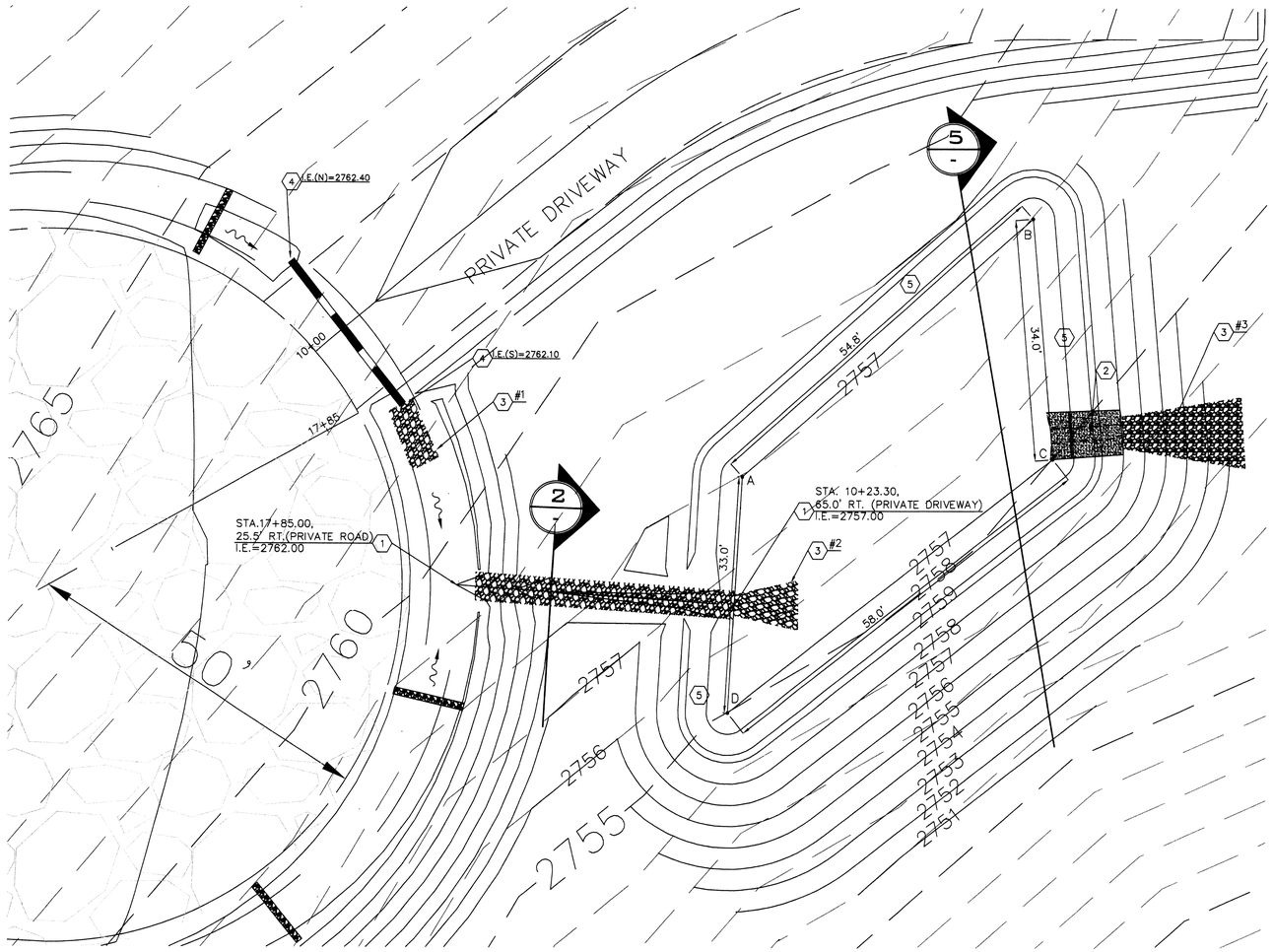
SHEET 3 OF 6

JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"

SP1502-08-RP.pdf

NW 1/4 SECTION 20, T. 24 N., R. 44 E., W.M.



POND 1 DETAIL

1"=10'

1

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL V-DITCH. LINE V-DITCH WITH 6" DIAMETER ROCK TO A DEPTH OF 1'. PROVIDE NON-WOVEN FILTER FABRIC AND PLACE BETWEEN ROCK AND SOIL. SEE DETAIL 2, THIS SHEET.
2. PROVIDE AND INSTALL 6" THICK CONCRETE OVERFLOW WEIR AT 0.90' ABOVE POND BOTTOM. I.E. OF WEIR=2757.90. SEE DETAIL 3, THIS SHEET.
3. PROVIDE AND INSTALL RIPRAP SPLASH PAD. SEE RIPRAP PAD SIZES, DETAIL 4, THIS SHEET.
4. PROVIDE AND INSTALL 12" D.I. CULVERT BENEATH PRIVATE DRIVEWAY. L=25.0', S=0.012FT/FT
5. PROVIDE AND INSTALL DRYLAND HYDROSEEDING FOR POND PER SPOKANE REGIONAL STORMWATER MANUAL "SECTION 7.8.8 – PLANTING REQUIREMENTS".

POND 1
~~BOTTOM AREA=1,465 S.F.~~
POND BOTTOM ELEVATION=2757
TOP OF BERM ELEVATION=2759
STORAGE VOLUME PROVIDED: 1,554 C.F.

2,090 S.F.

POND LOCATION		
POINT	STATION*	OFFSET*
A	10+36.00	52.0' RT.
B	11+19.00	35.5' RT.
C	11+21.00	69.0' RT.
D	10+13.00	76.0' RT.

*ALL STATIONS AND OFFSETS TAKEN FROM PRIVATE DRIVEWAY STATIONING

N
W E
S

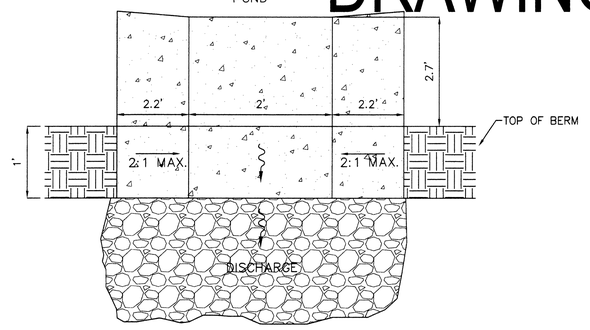
GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

PAUL T. NELSON
STATE OF WASHINGTON
17228
REGISTERED
PROFESSIONAL ENGINEER
11-17-11
EXPIRES 11/24/13

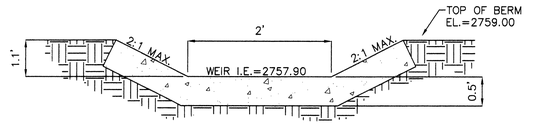
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

RECORD DRAWING



PLAN VIEW



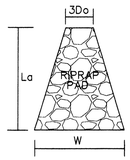
ELEVATION VIEW

OVERFLOW WEIR DETAIL

NOT TO SCALE

3

NOTE:
RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

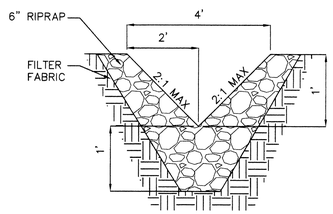


RIPRAP PAD DIMENSIONS					
PAD #	3Do	La	W	STONE SIZE	THICK.
1	3.0'	9.0'	7.0'	3" MIN.	1'
2	3.0'	9.0'	7.0'	3" MIN.	1'
3	4.5'	17.0'	10'	4" MIN.	1'

TYPICAL RIPRAP PAD

NOT TO SCALE

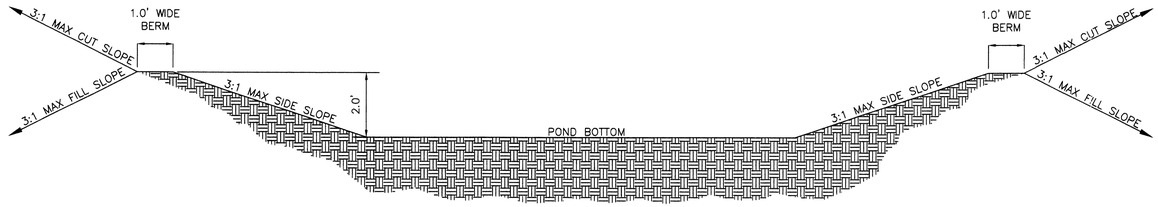
4



V-DITCH DETAIL

NOT TO SCALE

2



TYPICAL POND SECTION

NOT TO SCALE

5

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP1502-08
DATE ACCEPTED: 11/22/11

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
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ELEVATION=2502.90 FEET

SP-1502-08

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: 1"=10'
VERTICAL: N/A

PROJ #: 2008-494
DATE: 03/17/09
DRAWN: MAT
APPROVED: JFS

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET & DRAINAGE PLANS
POND DETAILS
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

SHEET 4 OF 6
JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"

SP1502-08 2008-494

EROSION CONTROL PLAN

VALENOV EXTENSION EAST

SPOKANE COUNTY, WASHINGTON

NE1/4 SECTION 19, T. 24 N., R. 44 E., W.M.

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN **SPOKANE COUNTY** REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE **SPOKANE COUNTY** INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE **SPOKANE COUNTY** INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.

4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE **SPOKANE COUNTY** AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.

5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.

7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY **SPOKANE COUNTY** THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN, IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION AND PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH **SPOKANE COUNTY**.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.

11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE **SPOKANE COUNTY** INSPECTOR AT ALL TIMES.

13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.

14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND-DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

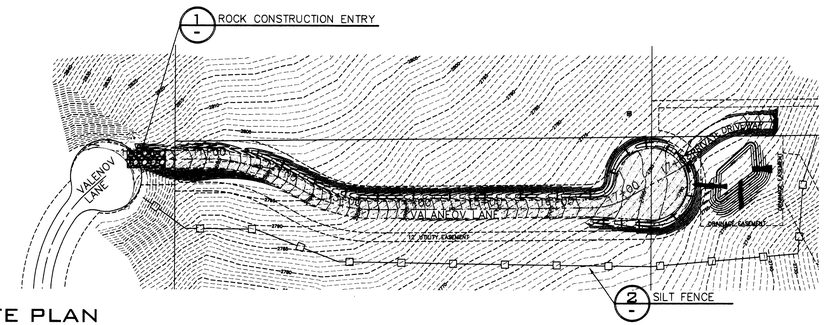
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE **SPOKANE COUNTY** ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

17. ALL CONSTRUCTION OPERATIONS , INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY **SPOKANE COUNTY**.

18. BASED ON A REQUIREMENT FROM THE **SPOKANE COUNTY** THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE **SPOKANE COUNTY** ENGINEER.

19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE **SPOKANE COUNTY** ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

20. ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE **SPOKANE COUNTY** DEPARTMENT OF BUILDING AND PLANNING AT 509-477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO , GRADING PERMITS, S.E.P.A. REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.



SITE PLAN

SCALE: 1" = 100'

STREETS
SPOKANE COUNTY ENGINEERING
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3600
FAX: 509-477-7478
CONTACT: MATT ZARECOR, P.E.

SEWER
SPOKANE COUNTY UTILITIES
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-3604
FAX: 509-477-4715
CONTACT: BILLY URHAUSEN

WATER
ON-SITE WELLS

FIRE DEPARTMENT
FIRE DISTRICT NO. 8
EAST 12100 PALOUSE HIGHWAY
VALLEY FORD, WA 99036
PHONE: 509-926-6699
FAX: 509-924-8358
CONTACT: LONNIE RASH

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-324-1560-1
FAX: 509-324-3603
CONTACT: DON COPLEY

POWER
INLAND POWER AND LIGHT
320 EAST 2ND. AVENUE
SPOKANE, WASHINGTON 99202
PHONE: 509-747-7151
FAX: 509-626-4229
CONTACT: DAN VILLALOBOS

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WASHINGTON, 99207
PHONE: 509-755-4717
FAX: 509-483-9261
CONTACT: BRYAN RICHARDSON

GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220
PHONE: 509-495-8536
FAX: 509-495-8734
CONTACT: SHERRY MILLER

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-455-2580
FAX: 509-455-2104
CONTACT: DAVE CLARK

INSPECTION
ALLWEST
12928 E. INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: PAUL T. NELSON, P.E.

SURVEYOR
PAT MOORE & ASSOCIATES
1425 WEST MANSFIELD AVENUE
SPOKANE, WASHINGTON 99205
PHONE: 509-328-1224
FAX: 509-328-3191
CONTACT: PAT MOORE, P.L.S.

ENGINEERING
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: JOHN SAYWERS, P.E.

PAUL T. NELSON
STATE OF WASHINGTON
17228
REGISTERED
PROFESSIONAL ENGINEER
11-1 7-11

EXPIRES 11/24/13

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-3400

OWNER/DEVELOPER
FRANK HONOROF
104 SOUTH DIVISION STREET #E
SPOKANE, WASHINGTON 99202
PHONE: 509-838-9066
CONTACT: MEG ARPIN

N
W E
S

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100 ft.

LEGEND

SILT FENCE. SEE DETAIL 1, SHEET 6 AND GENERAL NOTE 5, THIS SHEET.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 2, SHEET 6 AND GENERAL NOTE 6, THIS SHEET.

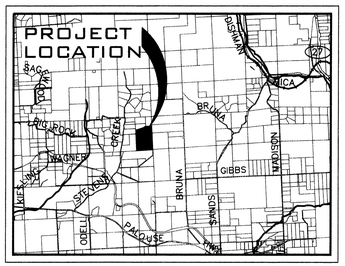
LEGAL DESCRIPTION

(FURNISHED BY OTHER)

THE SOUTHWEST QUARTER OF THE THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 24 NORTH, RANGE 44 EAST, W.M.; EXCEPT THE FOLLOWING DESCRIBED TRACT;
BEGINNING AT THE NORTHWEST CORNER OF SAID SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, SAID CORNER BEING 1333.00 FEET SOUTH OF THE NORTH QUARTER CORNER OF SAID SECTION; THENCE EAST ALONG THE NORTH LINE OF SAID SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, A DISTANCE OF 809.70 FEET; THENCE; THENCE SOUTH 845.00 FEET; THENCE WEST 486.50 FEET; THENCE S17°40'00"W A DISTANCE OF 1124.80 FEET TO A POINT ON THE WEST LINE OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 19; THENCE NORTH A DISTANCE OF 1916.70 FEET TO THE POINT OF BEGINNING;

TOGETHER WITH THE EAST HALF THE THE NORTHEAST QUARTER OF SAID SECTION 19, EXCEPT THAT PORTION DESCRIBED AS FOLLOWS;
BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 19; THENCE S00°00'33"W ALONG THE EAST LINE THEREOF, A DISTANCE OF 763.40 FEET; THENCE S86°16'52"W A DISTANCE OF 559.18 FEET; THENCE S54°59'57"W A DISTANCE OF 175.88 FEET; THENCE S72°50'07"W A DISTANCE OF 641.70 FEET TO THE WEST LINE OF SAID EAST HALF OF THE NORTHEAST QUARTER; THENCE N00°01'19"W ALONG SAID WEST LINE, A DISTANCE OF 1090.32 FEET TO THE NORTHWEST CORNER OF SAID EAST HALF OF THE NORTHEAST QUARTER; THENCE S89°58'42"E ALONG THE NORTH LINE OF SAID EAST HALF OF THE NORTHEAST QUARTER, A DISTANCE OF 1317.57 FEET TO THE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF SPOKANE, STATE OF WASHINGTON



VICINITY MAP
NOT TO SCALE

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP1502-08
DATE ACCEPTED: 11/22/11

NAVD-88
W.S.D.O.T. G.P.S. MON "PRN 32-15"
0.35± MILES EAST OF THE
INTERSECTION OF THE PALOUSE
HIGHWAY AND DUNN ROAD.
ELEVATION=2502.90 FEET

EROSION & SEDIMENT CONTROL GENERAL NOTES AND INFORMATION

1. AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE E.S.C. FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.

2. APPROVAL OF THE E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.

3. THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE E.S.C. MEASURES DAILY AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.

4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.

5. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.

6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT AND NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.

8. PROPERTY OWNER: FRANK HONOROF

9. PERMIT APPLICANT: WHIPPLE CONSULTING ENGINEERS

10. CONTACT PERSON ON SITE: DOUG LANE, 509-990-9487

11. PROJECT LOCATION: SPOKANE COUNTY, IN THE NE 1/4 SECTION 19, TOWNSHIP 24 NORTH, RANGE 44 EAST, W.M.

12. PROJECT DESCRIPTION: THE PROJECT WILL CONSIST OF DEVELOPING A NEW PRIVATE ROAD THAT WILL EXTEND FROM THE EAST END OF THE EXISTING VALENOV LANE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 790 LINEAR FEET OF 24' WIDE GRAVEL ROADWAY WITH ASSOCIATED STORM DRAINAGE.

13. **DESCRIPTION OF E.S.C.**
MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES.
ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.

14. EXISTING VEGETATION: TALL GRASS AND WEEDS

15. PLAN PREPARATION DATE: JULY, 2008

16. SOILS: ON SITE SOILS CONSIST OF BaB – BERNHILL SILT LOAM

17. **STABILIZATION OF DENUDED AREAS:**
ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL AT A RATE OF 60 lbs/ACRE.

18. **CONTROL OF POLLUTANTS:**
ANY SPILLS WILL BE HANDLED ACCORDING TO THE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH GUIDELINES.

19. **LIMITS OF GRADING:**
DURING THE COURSE OF CONSTRUCTION THE AMOUNT OF DISTURBED AREA SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA SHOWN AS "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.

2. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.

4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.

5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE E.S.C. STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

6. ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

7. ALL TEMPORARY E.S.C. MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.

9. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE E.S.C. REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

ENGINEER

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: _____
DATE ACCEPTED: _____
ACCEPTANCE EXPIRES: _____
PROJECTS LANE MILES: PUBLIC: _____
PROJECT LANE MILES PRIVATE: _____
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED
PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING
			by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N/A

PROJ #: 2008-494
DATE: 03/17/09
DRAWN: MAT
APPROVED: JFS

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PH: 509-893-2617 FAX: 509-926-0227

STREET & DRAINAGE PLANS
EROSION CONTROL PLAN
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

SP-1502-08

SHEET 5 OF 6

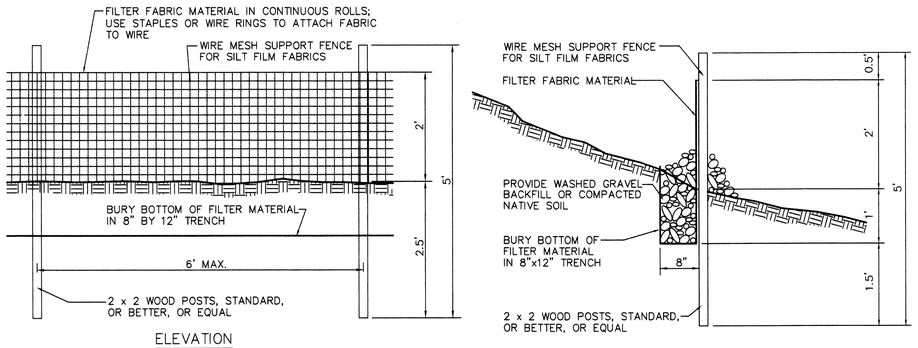
JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"

NE 1/4 SECTION 19, T. 24 N., R. 44 E., W.M.

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

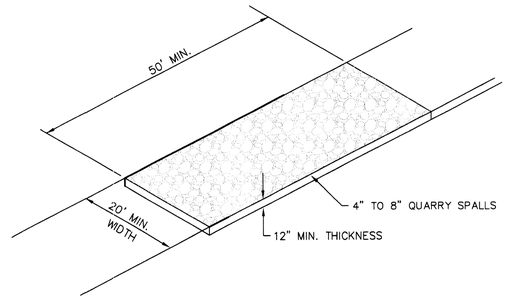


SILT FENCE DETAIL

NOT TO SCALE

1
-

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: SP1502-08
DATE ACCEPTED: 11/22/11



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

2
-

PAUL T. NELSON
STATE OF WASHINGTON
17228
REGISTERED
PROFESSIONAL ENGINEER
11-17-11
EXPIRES 11/24/13

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #:
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC:
PROJECT LANE MILES PRIVATE:
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED
PROFESSIONAL ENGINEER

SP-1502-08

NAVD-88
W.S.D.O.T. G.P.S. MON "PRN 32-15"
0.35± MILES EAST OF THE INTERSECTION OF THE PALOUSE HIGHWAY AND DUNN ROAD.
ELEVATION=2502.90 FEET

NO.	DATE	BY	REVISIONS
	10/1/11		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING
	03/17	MAT	FINAL SUBMITTAL TO SPOKANE COUNTY FOR APPROVAL

SCALE:	
HORIZONTAL:	N/A
VERTICAL:	N/A
PROJ #:	2008-494
DATE:	03/17/09
DRAWN:	MAT
APPROVED:	JFS

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STREET & DRAINAGE PLANS
EROSION CONTROL DETAILS
VALENOV EXTENSION EAST
SPOKANE COUNTY, WASHINGTON

SHEET 6 OF 6

JOB NUMBER 2008-494

SP-1502-08 ENG "As Builts"