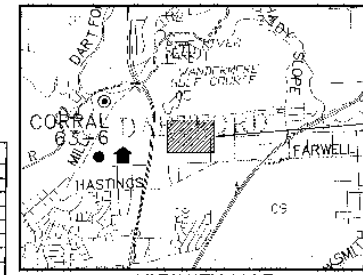
STREET PLANS
STONE HORSE BLUFF
SPOKANE COUNTY, WASHINGTON
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

SITE PLAN



VICINITY MAP

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	FENCE	
	CURB	
	PAVEMENT	
	GRAVEL	
	CONCRETE	
	BUILDINGS & STRUCTURES	
	EQUIPMENT	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEPTIC SYSTEM	
	WATER	
	WATER	
	VALVE	
	FIRE HYDRANT	
	BLOWOFF	
	METER	
	IRRIGATION BACK FLOW STATION	
	STORM DRAINAGE	
	DRAINAGE LINE	
	MANHOLE	
	CATCH BASIN	
	INLET	
	NATURAL GAS	
	GAS LINE	
	VALVE	
	METER	
	TELEPHONE-POWER	
	BURIED TELEPHONE	
	POWER OR TELCO POLE	
	BURIED POWER	
	TRANSFORMER PAD	
	TELEPHONE RISER	
	TELEPHONE VAULT	
	OVERHEAD POWER	
	GUY ANCHOR	
	POWER VAULT	
	LIGHT POLE	

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.

ABBREVIATIONS

ASPH	ASPHALT	PRC	POINT OF REVERSE CURVE
BCR	BEGINNING OF CURVE RETURN	PT, P/T	POINT OF TANGENCY
BOW	BOTTOM OF WALL	RIM ELEV	RIM ELEVATION
CO	SEWER CLEANOUT	RD	ROAD
CSWK	CRUSHED SURFACE TOP COURSE	RT	RIGHT
CY	CONCRETE	SIW	STREET INTERSECTION
DW	DRIVEWAY	SS	SANITARY SEWER
EA	EACH	STA	STATION
ECR	END OF CURVE RETURN	TBM	TEMPORARY BENCH MARK
EXIST	EXISTING	TOC	TOP OF CURB
G	GRADE	TOG	TOP OF GRATE
GRVL	GRAVEL	TW	TOP OF WALL
HMA	HOT MIX ASPHALT		

STREET GENERAL NOTES

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT TO CONSTRUCT AND INSTALL TO PROPER WORKING ORDER, ALL IMPROVEMENTS AS DETAILED OR CALLED OUT ON THESE PLANS.

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, CURRENT EDITION, AND AS AMENDED.

2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT PIL PERMIT.

3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.

4. IT IS CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF PIL APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

5. IF THE CONTRACTOR DISCOVERS ANY POSSIBILITIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, TODD N. WHIPPLE, P.E., @ 509-893-2617, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE CONSTRUCTION ENGINEER @ 509-477-3600.

6. THE CONSTRUCTION OF DRIVEWAYS, PEDESTRIAN TRAFFIC RAMPS, CURBOUT AREAS OR APPROACHES SHALL BE BETWEEN THE WIDENED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD PLAN B 14.

7. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.

8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRICS UNDER THE LID FOR AT LEAST 5 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.

IN THE EVENT THAT SIL OR OTHER DELIRIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS SLOPES FORMS AND THE DISTRICT PLANE ARE CORRECT TO CONCRETE PLACEMENT. THE FORMS & GRADES SHALL BE CONSISTENT WITH THE APPROVED PLANS. PRIOR TO PLACEMENT OF CURB MATERIAL, THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

10. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED IN THE PLANS.

11. FOR ANY CURB GRADES LESS THAN 0.5 % OR GREATER THAN 6 %, A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS. PRIOR TO PLACEMENT OF CURB MATERIAL, THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

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SHEET 22	STONE HORSE BLUFF LANE 2 AND CENTER STREET		
SHEET 23	APPALOOSA LANE 2		

NOTE:
FOR GENERAL STREET NOTES SEE SHEET 2

ROADWAY AGENCY
SPOKANE COUNTY ENGINEER
1026 WEST BROADWAY AVENUE
SPOKANE, WA 99260
PHONE: 509-477-3600
CONTACT: MATT ZARECOR, P.E.

FIRE DEPARTMENT
MEAD FIRE DISTRICT NO. 354
3813 EAST FARWELL ROAD
MEAD, WA 99021
PHONE: 509-466-4602
FAX: 509-466-4685
CONTACT: DAN WALSH

WATER PURVEYOR
SPOKANE CO. WATER DIST NO. 3
WATER SUPPLY DIVISION
SPOKANE, WA 99211
PHONE: 509-536-2112
FAX: 509-534-3760
CONTACT: TY AVIS

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ALLIANCE
19928 EAST INDIANA AVENUE
SPOKANE VALLEY, WA 99216
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FAX: 509-534-9326
CONTACT: PAUL T. ERICKSON, P.E.

SEWER
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PHONE: 509-477-3624
FAX: 509-477-7437
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TELEPHONE
QWEST
824 NORTH COLUMBUS
SPOKANE, WA 99202
PHONE: 509-456-2580
FAX: 509-459-2121
CONTACT: DAVE CLARK

CABLE
COMCAST BROADBAND
1717 EAST CLOVERDALE
SPOKANE, WA 99202
PHONE: 509 484 4691
EXTENSION: 53245
CONTACT: BRYAN RICHARDSON

SURVEYOR
CAMERON & ASSOCIATES
EAST 1921 HORSEHOE LANE
COLBERT, WA 99005
PHONE: 509-467-0148
FAX: 509-467-0148
CONTACT: CLIFF CAMERON, P. E.

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4744
CONTACT: LORS MCGAR

POWER
AVISTA UTILITIES
141 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-453-3582
CONTACT: DAVE SACCHI

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

OWNER
STONEHORSE, LLC.
EAST 611 ROSEWOOD
SPOKANE, WA 99208
PHONE: 483-4900
CONTACT: JERRY HIGGINS

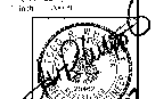
NAVD-88 DATUM
VERTICAL CONTROL DATUM WAS ESTABLISHED FOR THIS SURVEY BASED ON THE CONTROL DATUM FOR THE CONSTRUCTION OF R.S. & W. ON FARWELL ROAD, IN THE VICINITY OF DARTFORD.

DEVELOPER'S APPROVAL

10/24/07
DATE

OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
FILE #
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECT ENGINEER'S INITIALS: JJT
INSPECTOR INITIALS: JJT
CONSTRUCTION NOT INSPECTED AND ACCEPTED BY SPOKANE COUNTY ENGINEER AND IS SUBJECT TO ALL PROVISIONS CONTAINED IN THE SPOKANE COUNTY ENGINEER'S LETTER OF ACCEPTANCE.

N
W E
S
GRAPHIC SCALE
(IN FEET)



NO.	DATE	BY	REVISIONS
	10/9/07	BRR	SUBMITTAL TO SPOKANE COUNTY
	10/9/07	BRR	SUBMITTAL TO SPOKANE COUNTY
	10/9/07	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N.A.

PROJ #: 0904-66
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
W. 9116 SPRAGUE AVE., SUITE 206
SPOKANE VALLEY, WASHINGTON 99206
PH: 509.892.1000 FAX: 509.892.1001

P-1786
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
COVER
SPOKANE COUNTY, WASHINGTON

SHEET 1 OF 43
DRAWING NO. 2004-65

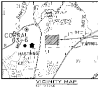
P-1786 Eng Road Drainage

STREET PLANS
STONE HORSE BLUFF
SPOKANE COUNTY, WASHINGTON
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

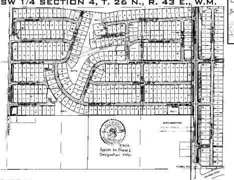
LEGEND

EXISTING	GENERAL	PROPOSED
	SANITARY SEWER	
	WATER	
	STORM DRAINAGE	
	NATURAL GAS	
	TELEPHONE POWER	

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.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555



ABBREVIATIONS

ACT. LEN. — ACT LENGTH; BCR — BEGINNING OF CURVE RETURN; BERT. — BOUVERT; CO — SEWER CLEANOUT; CSTC — CRUSHED SURFACE TOP COURSE; CT. — COURT; DIA. — DIAMETER; ECR — END OF CURVE RETURN; EXIST. — EXISTING; G — GRADE; GB — GRADE BREAK; FT./L.F. — FEET PER FOOT; HYD. — HYDRANT; I.E. — INVERT ELEVATION; LN. — LANE; LT. — LEFT; MH — MANHOLE; MCR — MIDDLE OF CURVE RETURN; PC — POINT OF CURVATURE; 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. LIN. — STATION LENGTH; TG — TOP OF GRATE; TC — TOP OF CURB

STREET GENERAL NOTES

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT TO CONSTRUCT AND INSTALL TO PROPER WORKING ORDER, ALL IMPROVEMENTS AS DETAILED OR CALLED OUT ON THESE PLANS.

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, CURRENT EDITION, AND AS AMENDED.

2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.

3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.

4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, TODD R. WHIPPLE, P.E., @ 509-893-2617, THE UTILITY/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 509-477-3600.

6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC "AMOCO" 4545 OR APPROVED EQUAL BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD PLAN B-1a.

7. PRIOR TO ALL CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATOR SERVICE AT 456-8000 BEFORE YOU DIG.

8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.

IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.

10. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DEPICTED IN THE PLANS.

11. FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/FT), A WASHINGTON STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES LISTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

NOTE:
FOR GENERAL STREET NOTES SEE SHEET 2.

ROADWAY AGENCY
SPOKANE COUNTY ENGINEERS
1026 WEST BROADWAY AVENUE
SPOKANE, WA 99260
PHONE: 509-477-3600
CONTACT: MATT ZARECOR, P.E.

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NATURAL GAS
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FIRE DEPARTMENT
MEAD FIRE DISTRICT NO. 9
3801 EAST FARWELL ROAD
MEAD, WA 99021
PHONE: 509-466-4602
FAX: 509-466-4668
CONTACT: DAN WALSH

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CONTACT: GARY CLARK

POWER
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1411 EAST MISSION AVENUE
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PHONE: 509-495-8582
CONTACT: DAVE SAUCEDO

WATER PURVEYOR
SPOKANE COUNTY WATER DIST. NO. 3
EAST 5201 BRUNIT
SPOKANE, WA 99211
PHONE: 509-536-0121
FAX: 509-534-3700
CONTACT: TY MECK

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WA 99207
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EXTENSION: 63240
CONTACT: BRYAN RICHARDSON

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WASTE MANAGEMENT
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SURVEYOR
CAMERON & ASSOCIATES
EAST 1924 HORSESHOE LANE
COLBERT, WA 99005
PHONE: 509-467-0449
FAX: 509-467-0449
CONTACT: CLIFF CAMERON, P.L.S.

OWNER
STONEHORSE, LLC
EAST 105 ROSEWOOD
SPOKANE, WA 99208
PHONE: 489-4260
CONTACT: JERRY HIGGINS

NAVD-88 DATUM

[signature] 10/24/07
DEVELOPER'S APPROVAL — DATE

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CONSTRUCTION PLANS

GRAPHIC SCALE

NO.	DATE	BY	REVISIONS
	10/3/07	SRR	SUBMITTAL TO SPOKANE COUNTY
	-------	SRR	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPARATION

SCALE:	
HORIZONTAL:	AS SHOWN
VERTICAL:	N.A.

PROJ #:	2004-65
DATE:	10/03/07
DRAWN:	MEK
APPROVED:	TRW

WCE

P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
COVER
SPOKANE COUNTY, WASHINGTON

SHEET 1 OF 43

JOB NUMBER 2004-65

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
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.

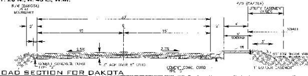
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE **SPOKANE COUNTY** ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

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**.

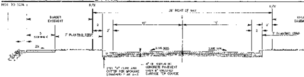
18. BASED ON A REQUIREMENT FROM THE **SPOKANE COUNTY** THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE **SPOKANE COUNTY** ENGINEER.

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

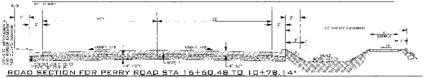
20. ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 509 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE 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.



ROAD SECTION FOR DAKOTA
NOT TO SCALE



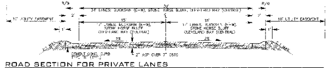
ROAD SECTION FOR CENTER STREET
NOT TO SCALE



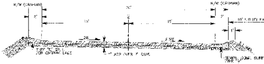
ROAD SECTION FOR PERRY ROAD STA 16+60.48 TO 10+78.14*

NOTE 1: REMOVE AND REPLACE ASPHALT

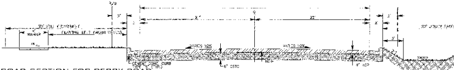
*NOTE: FROM STA. 10+78.14 TO STA. 12+26.34 PAVING WIDTH ON LEFT TO MATCH EXISTING CONDITIONS FOR WIDTH AND NO CURB. TAPER ASPHALT FROM STA. 12+78.76 TO STA. 13+36.76



ROAD SECTION FOR PRIVATE LANES
NOT TO SCALE

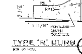


ROAD SECTION FOR CASPIAN LANE
NOT TO SCALE

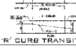


ROAD SECTION FOR PERRY ROAD
NOT TO SCALE

SPILL TYPE CURB (1)
NOT TO SCALE



TYPE "R" CURB (2)
NOT TO SCALE



'B' TO 'R' CURB TRANSITION DETAIL (3)
NOT TO SCALE

NAVD-88 DATUM
VERTICAL DATUM
ELEV. = 1940.00 (NAVD 88)

DEVELOPER'S APPROVAL 10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

IWCE

P-1786

SPOKANE COUNTY PUBLIC WORKS
CONSTRUCTION PLANS
PROJECT #: P1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GENERAL NOTES, DETAILS, AND SECTIONS
SPOKANE COUNTY, WASHINGTON

SHEET 2 OF 43
JOB NUMBER 2004-65

P 1786 Eng Road Drainage

GENERAL NOTES

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE 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/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 OF 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.

SPILL TYPE CURB (1)
NOT TO SCALE

TYPE "R" CURB (2)
NOT TO SCALE

"B" TO "R" CURB TRANSITION DETAIL (3)
NOT TO SCALE

ROAD SECTION FOR DAKOTA
NOT TO SCALE

ROAD SECTION FOR CENTER STREET -PHASE 1-

ROAD SECTION FOR PERRY ROAD STA 16+60.48 TO 10+78.14*
NOT TO SCALE

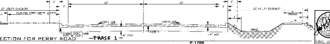
-PHASE 1-

NOTE 1: REMOVE AND REPLACE ASPHALT PROFILE FROM STA. 10+78.14 TO STA. 13+56.34 PAVING WIDTH ON LEFT TO MATCH EXISTING CONDITIONS FOR WIDTH AND NO CURB. TAPER ASPHALT FROM STA. 12+78.76 TO STA. 13+36.76.

ROAD SECTION FOR PRIVATE LANES -PHASE 1-
NOT TO SCALE

Applies to Phase 1 Designation only.

ROAD SECTION FOR CASPIAN LANE
NOT TO SCALE



ROAD SECTION FOR PERRY ROAD -PHASE 1-
NOT TO SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES PUBLIC: .27
PROJECT LANE MILES PRIVATE: 2.84

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800 424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/24/07 DATE

P-1786

NO.	DATE	BY	REVISIONS
	10/8/07	ARR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPARATION

SCALE:	
HORIZONTAL:	N.A.
VERTICAL:	N.A.

PROJ #:	2004-65
DATE:	10/08/07
DRAWN:	MEK
APPROVED:	TRW

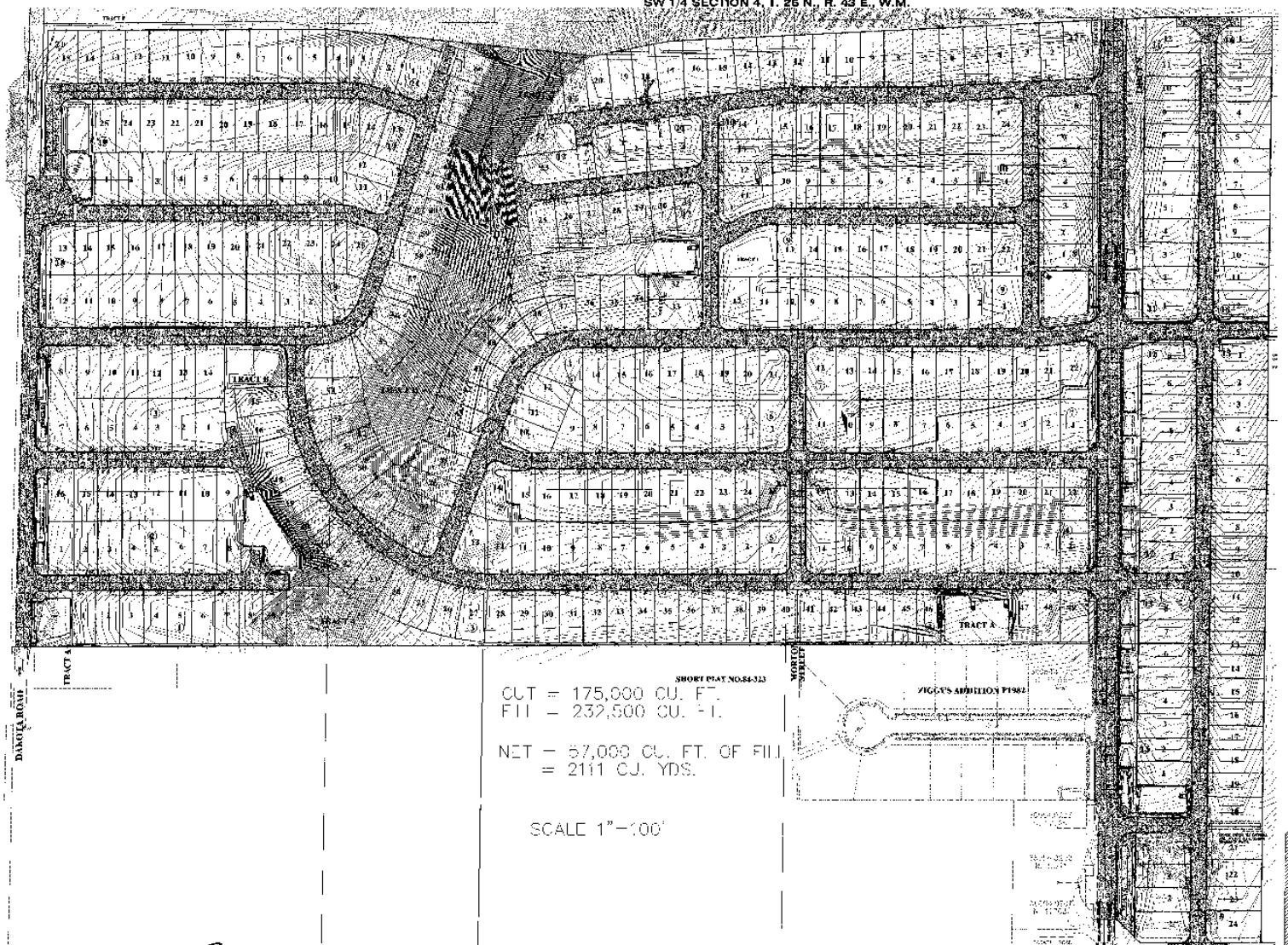
IWCE

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GENERAL NOTES, DETAILS, AND SECTIONS
SPOKANE COUNTY, WASHINGTON

SHEET 2 OF 43
2004-65

P 1786 Eng Road Drainage

SE 1/4 SECTION 8, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

N
W E
S
GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS LANE MILES: PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION CONSTRUCTION AND ATTENTION
REQUIRE DRAWINGS, TO-BE-USE, AND RELATING PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PRIVATE REQUIRED CHANGES SHALL BE PRINTED
PRIOR TO CONSTRUCTION

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SHH	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1 = 100'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10-09-07
DRAWN: MEK
APPROVED: TRW

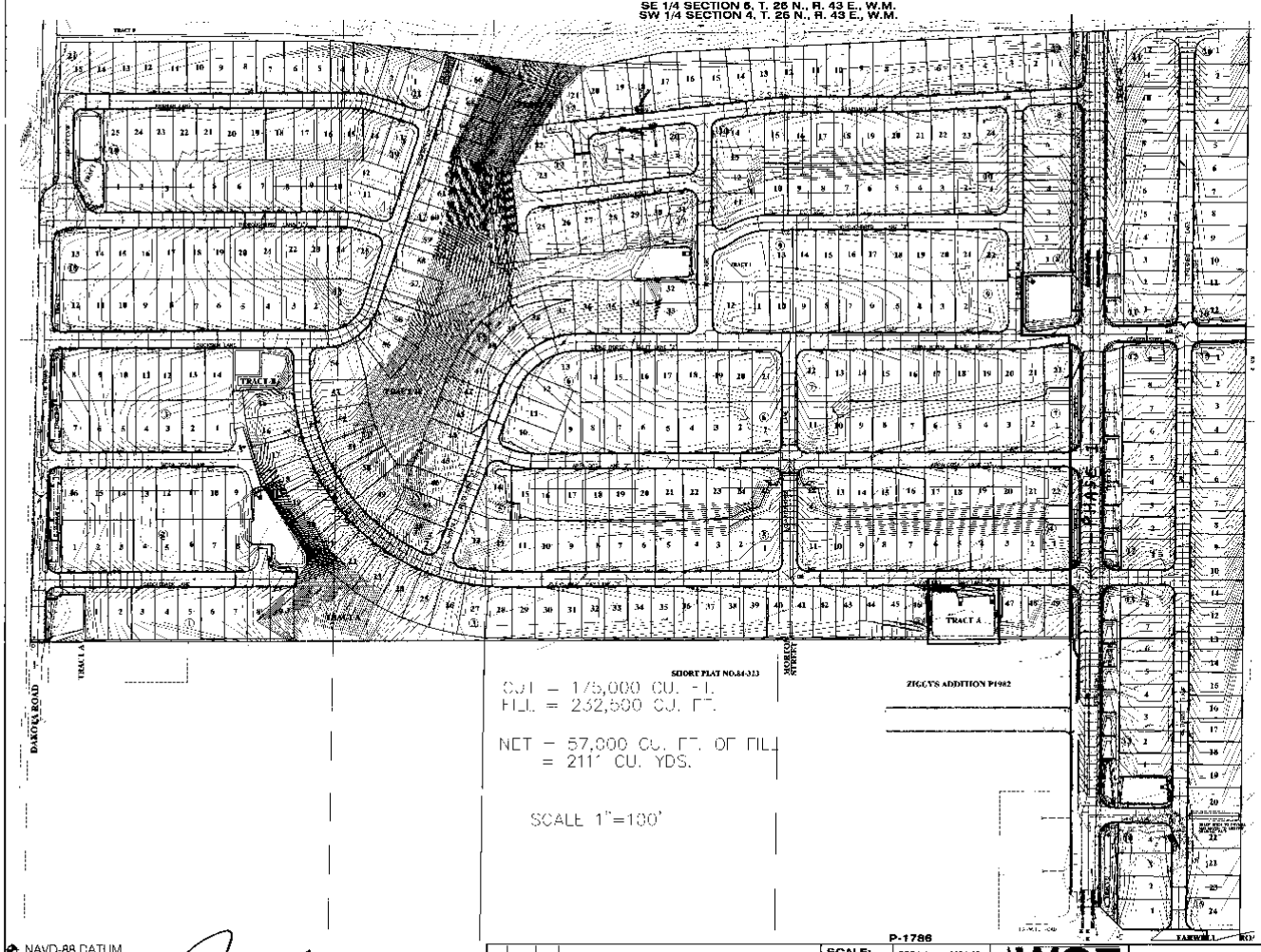
WCE
WHIPPLE CONSULTING ENGINEERS
SPOKANE VALLEY WASHINGTON 99206

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

SHEET
3 OF 43
JOB NUMBER
2004-65

P-1786 Engroad-Drainage

SE 1/4 SECTION 6, T. 25 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 25 N., R. 43 E., W.M.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS BEFORE YOU DIG

Note
Applies to Phase 1 Designation Only.

N
W E
S
GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/12
PROJECT LANE MILES PUBLIC: 2.11
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION SPECIFICATIONS ARE REVISED
BY COUNTY RESOLUTION NO. 07-0966 DATED
DECEMBER 4, 2007
PLANS AND DRAINAGE FACILITIES MAINTENANCE
PETITION RESOLUTION (IF ANY) DATED
WITH "STREET AND DRAINAGE PLAN" SHEET NO.
PRIOR TO CONSTRUCTION

CANCELLED 3/31/2008

NAVD-88 DATUM

DEVELOPER'S APPROVAL

12/24/07
DATE

NO.	DATE	BY	REVISIONS
1	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=100'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

P-1786

IWCE
CIVIL ENGINEERS
PLANNERS
SURVEYORS
SPOKANE VALLEY, WASHINGTON

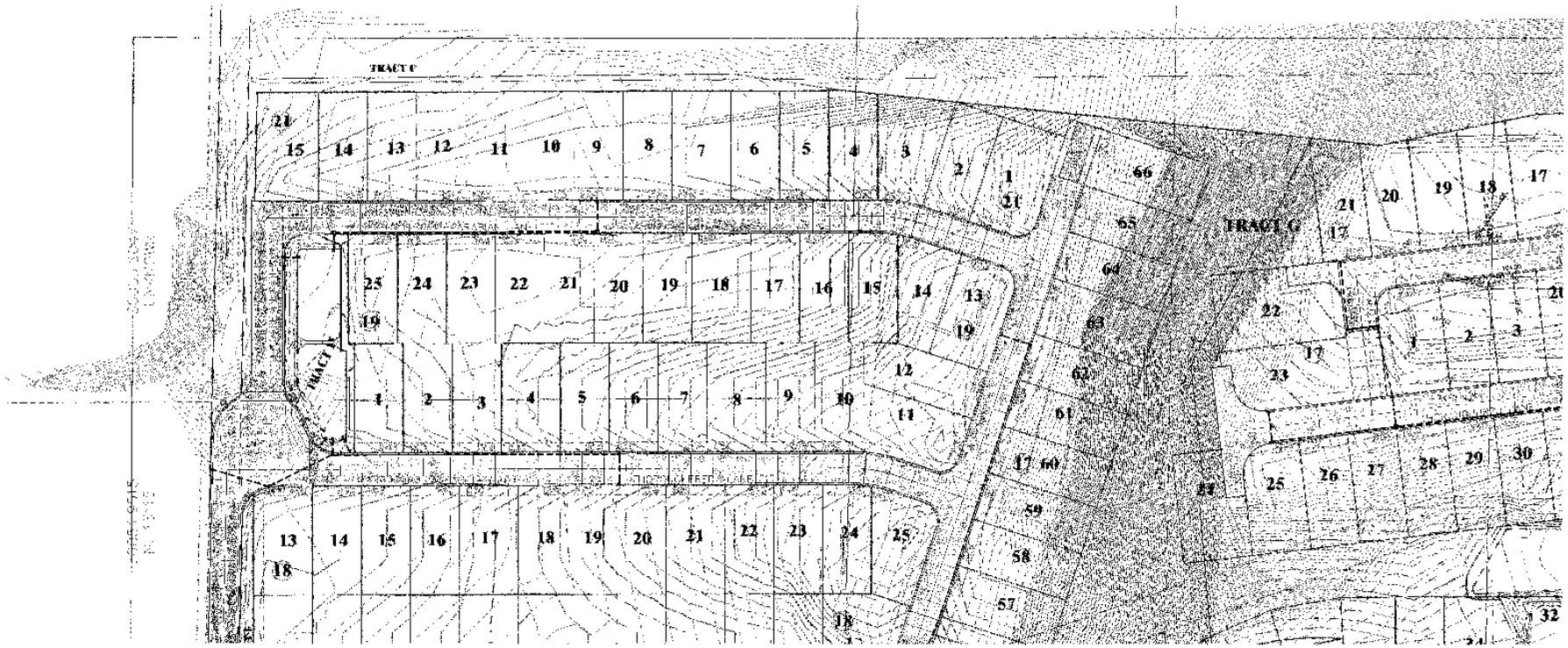
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

SHEET
3 OF 43
JOB NUMBER
2004-65

P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG



N
W E
S
GRAPHIC SCALE

CONSTRUCTION PLANS

P-1786

NAVD-68 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
1	10/05/07	BRR	INITIAL SUBMITTAL TO SPOKANE COUNTY
2	10/09/07	MAT	SUBMITTAL TO SHOP FOR DRAFT
3	10/09/07	MEK	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TWW

IWCE

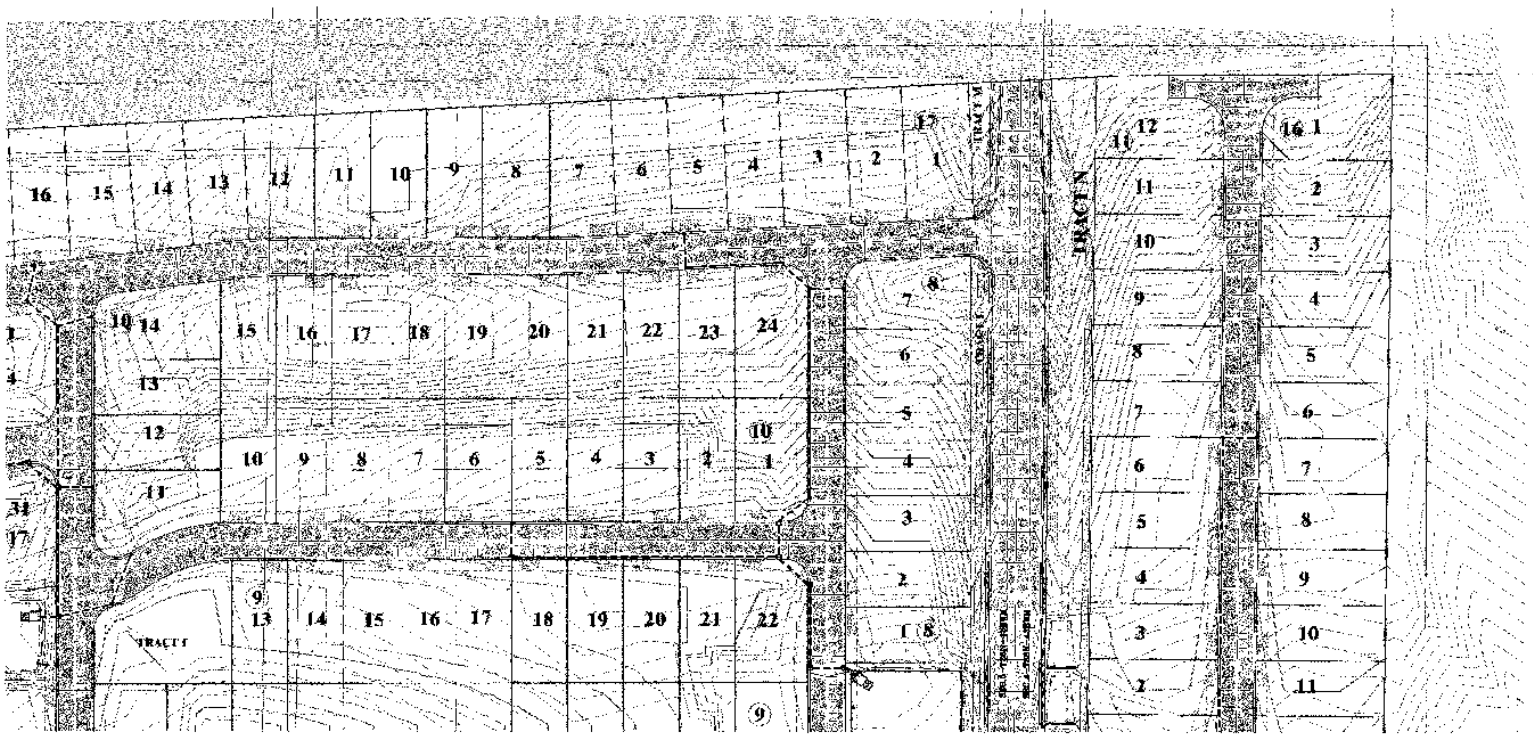
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

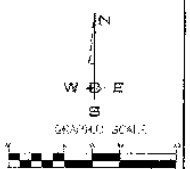
SHEET
4 OF 43
JOB NUMBER
2004-65

P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG





SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC RECORDS & DRAWING
CONSTRUCTION PLANS
PROJECT # 2006
DATE RECEIVED: 2/1/07
ACCEPTANCE SERVICE: 2/1/07
PROJECT'S LAKE VILLAS PUBLIC, INC.
PROJECT LAKE VILLAS PRIVATE, INC.
CONSTRUCTION CONTRACTOR AND DEPOSIT
NOTE: COMPLETE, REVISED, AS BUILT, AND ADDITIONAL SERVICE DRAWINGS AND DOCUMENTS ARE REQUIRED FOR THE PROJECT AND ARE NOT PRIVATE.
SEE DRAWING SERVICE AND DEPOSIT DATA
NOTE: THIS DRAWING IS NOT TO BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF THE PROJECT OWNER.

NAVD-88 DATUM

DIRECTOR'S APPROVAL

10/24/07
DATE

NO	DATE	BY	DESCRIPTION
	10/3/07	SSR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PRESENTATION

SCALE:
HORIZONTAL: 1"=60'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/3/07
DRAWN: MEK
APPROVED: TRW

P-1786

WCE
WHITE CROSS ENGINEERING
CIVIL ENGINEERING & PLANNING
CONSTRUCTION CONTROL
APPROVED FOR PUBLIC RECORDS
PROJECT NO. 2004-65

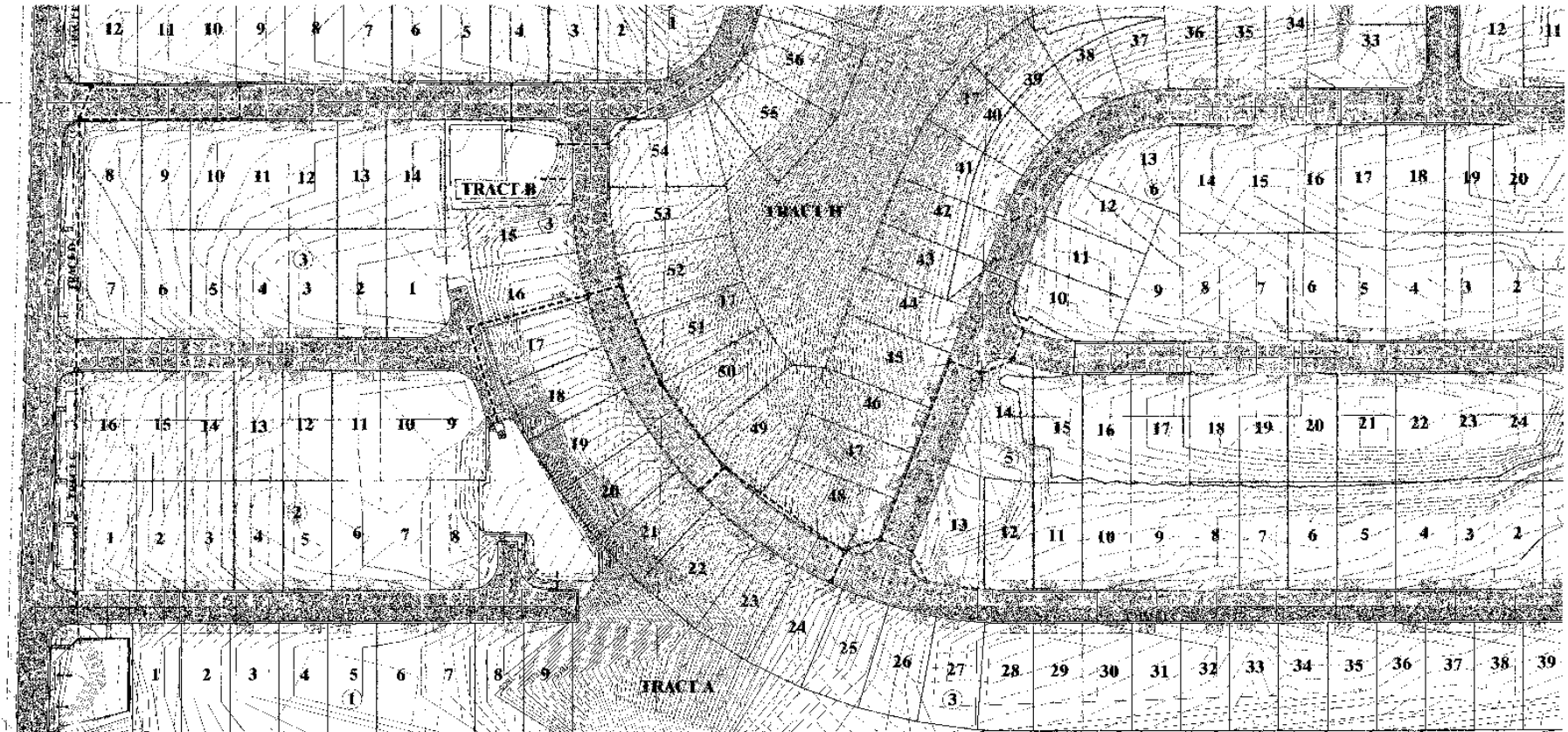
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

SHEET
6 OF 43
CONTRACT
2004-65

P-1786 Engineered Drawing

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555



N
W E
S
GRAPHIC SCALE

P-1786

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS LANE MILES: PUBLIC 0.17
PROJECT LANE MILES PRIVATE: 2.63
CONSTRUCTION DOCUMENTATION AND REPORTS
REQUIRED WHEREIN THIS BUILDING WAS CONSTRUCTED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED 1996 427 4400
NOTIFY PERMIT DIVISION 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

NAVD-88 DATUM
VERTICAL DATUM
WCE DRAWING NO. 2004-65
ACCOMPLISHED BY: ENGINEER
CHARTERED OF THE INTERPRETATION OF
PSE NO. 1 AND NAVD-88 DATUM
ELEV. 1800 ft NAVD-88

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY	
	MAT	SUBMITTAL TO SPOKANE COUNTY	
10/08	MEK	ORIGINAL PLAN PREPERATION	

SCALE:
HORIZONTAL: 1"=80'
VERTICAL: N.A.

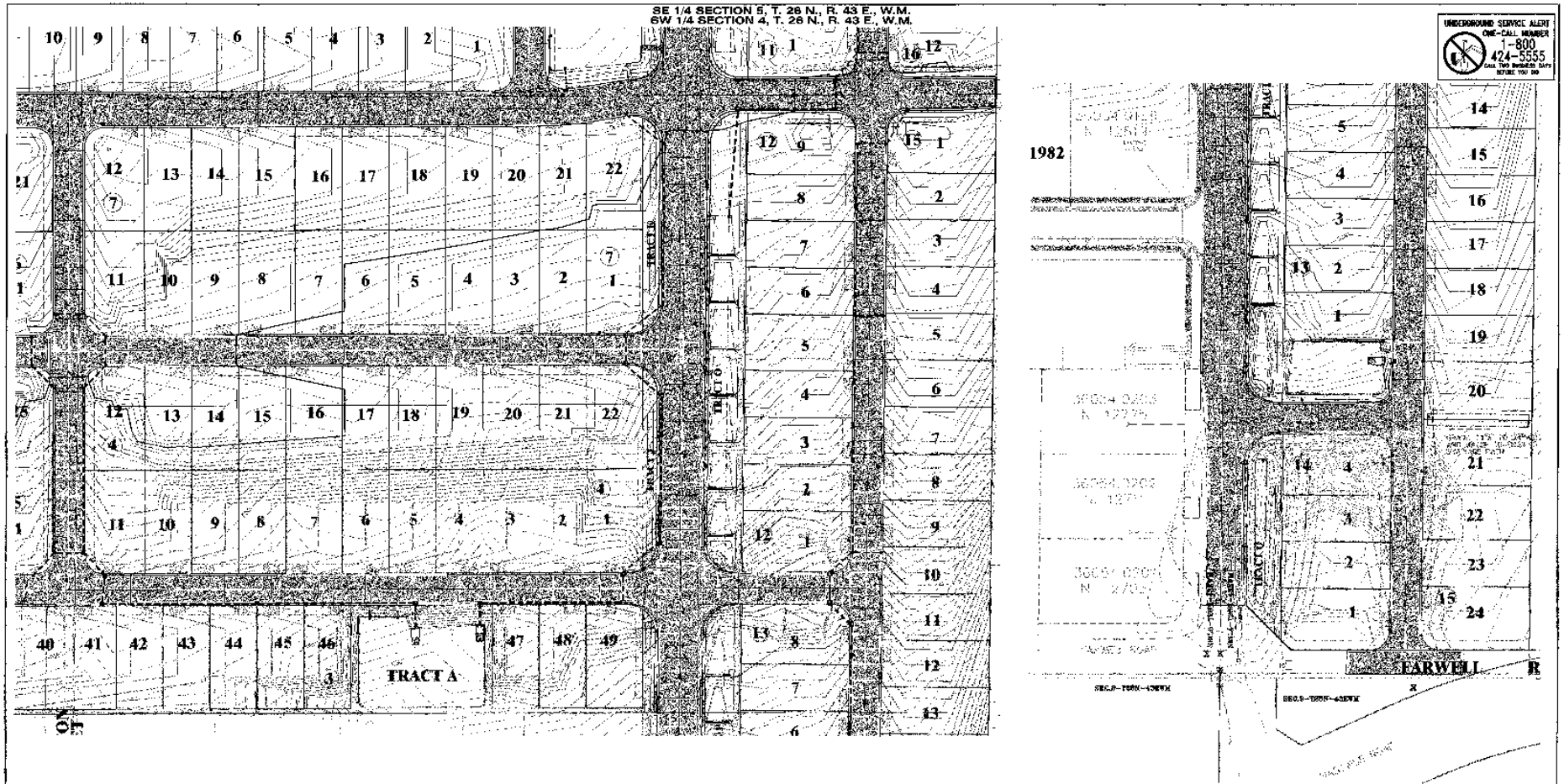
PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MRK
APPROVED: TRW

WCE
WILLIAM CLAYTON ENGINEERING
CIVIL AND ENVIRONMENTAL ENGINEERING
2604 NORTH BOULDER ROAD
SPOKANE VALLEY, WASHINGTON 99206
TELEPHONE: 202-922-9000 FAX: 202-922-9000

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

SHEET
6 OF 43
JOB NUMBER
2004-65

P-1786 Inglood Drainage



P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

10/24/07	SPR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	MAT	SUBMITTAL TO SPOKANE COUNTY
10/09	MEK	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: N.A.

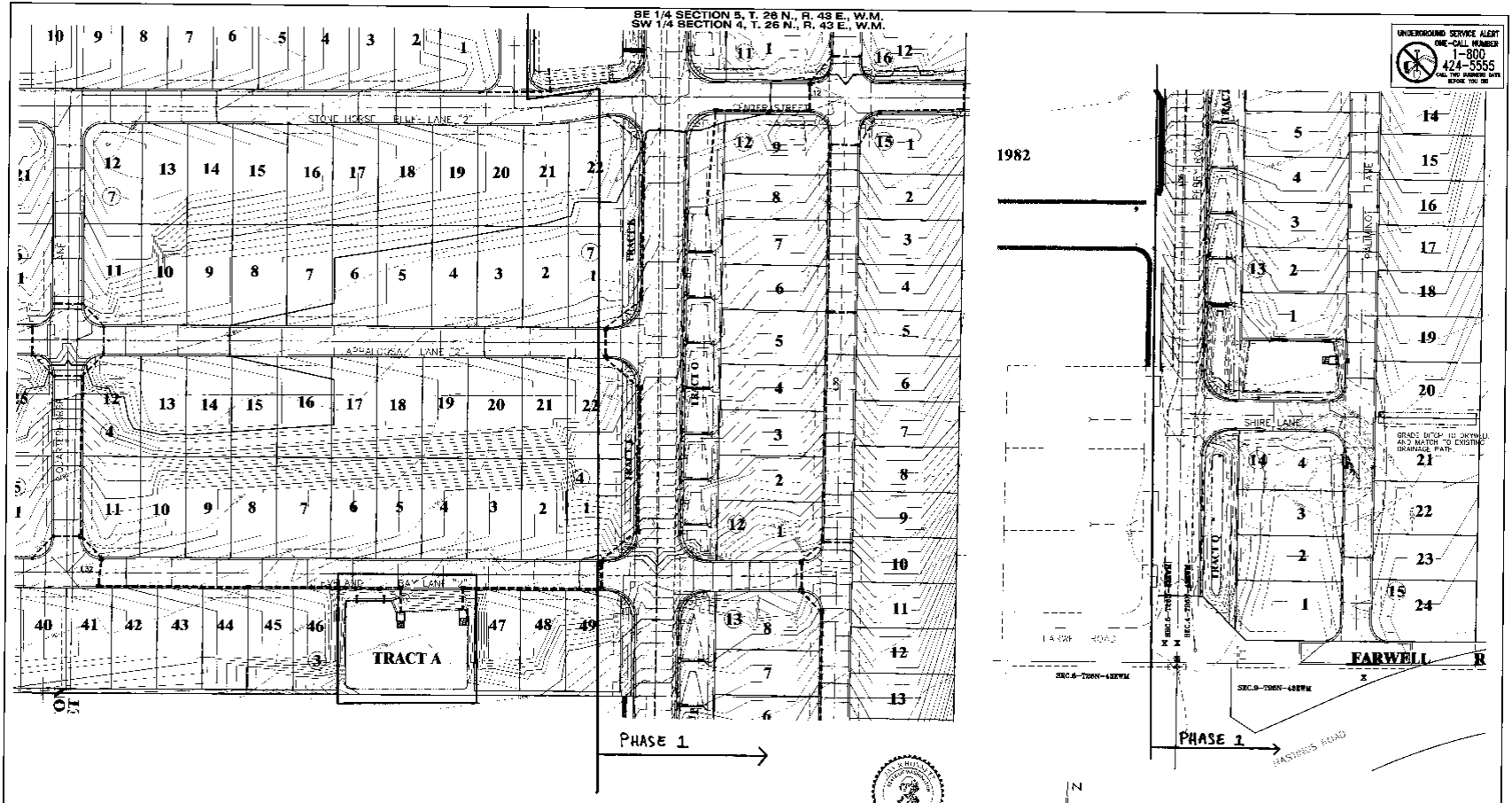
FROM #: 2004-66
DATE: 10/09/07
DRAWN: MEK
APPROVED: DDP

AWCE

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

SHEET
7 OF 43
COLUMBIA
2004-66

P-1786 England Drainage



7/10/12
Applies to Phase 1 Designation only.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/07
PROJECTS LANE MILES: PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION COORDINATION AND CERTIFICATION RECORD DRAWINGS: "AS BUILT" AND REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ISSUANCE OF THE BOARD AND DRAINAGE FACILITIES FOR MAINTENANCE PERMIT REQUIRED (MAY NOT BE)
NOTE FORM CHANGED 2 AUGUST 2005
SHEET 7 OF 43
JOB NUMBER 2004-65

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/24/07 DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: N.A.

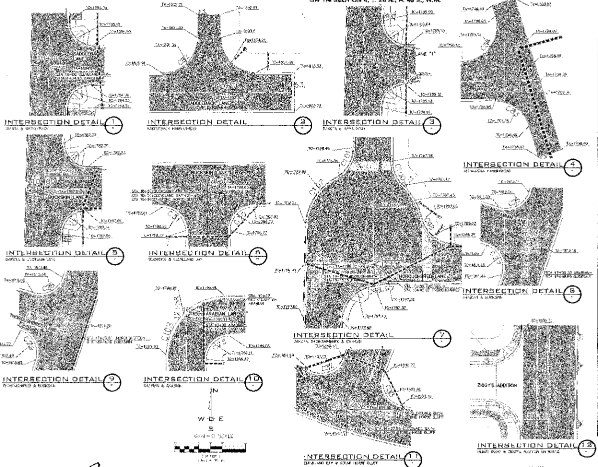
PROJ #: 2004-65
DATE: 10/02/07
DRAWN: MEK
APPROVED: TRW

WCE

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
GRADING PLAN
SPOKANE COUNTY, WASHINGTON

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
[illegible]	42.08	150.00	21.21	42.15	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	42.11	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C7	270.63	150.00	[illegible]	158.76	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555

NAVD-88 DATUM

DEVELOPER'S APPROVAL
10/24/07
DATE

MYLAR SUBMITTAL TO SPOKANE COUNTY
SUBMITTAL TO SPOKANE COUNTY
ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL:
VERTICAL:
N.A.

PROJ. No. 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

P-1786

IWCE

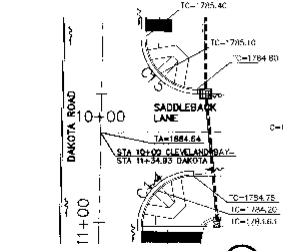
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
8 OF 43

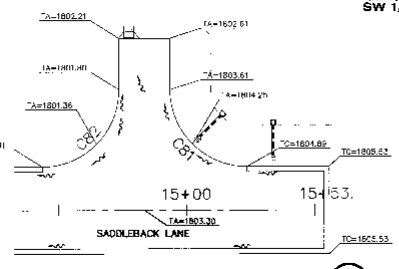
JOB NUMBER
2004-65

P 1786 Sig Road Drainage

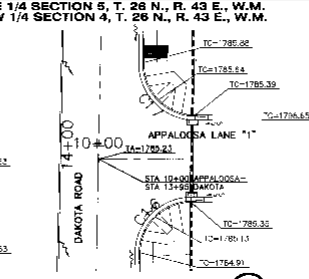
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



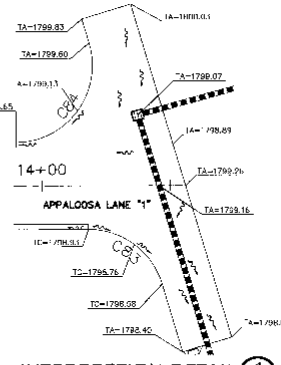
INTERSECTION DETAIL 1
DAKOTA & SADDLEBACK



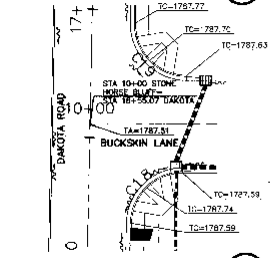
INTERSECTION DETAIL 2
SADDLEBACK HAMMERHEAD



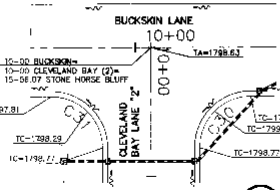
INTERSECTION DETAIL 3
DAKOTA & APPALOOSA



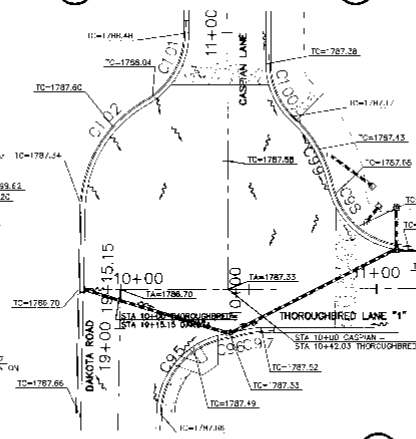
INTERSECTION DETAIL 4
APPALOOSA HAMMERHEAD



INTERSECTION DETAIL 5
DAKOTA & BUCKSKIN LANE

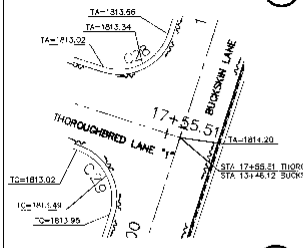


INTERSECTION DETAIL 6
BUCKSKIN & CLEVELAND BAY

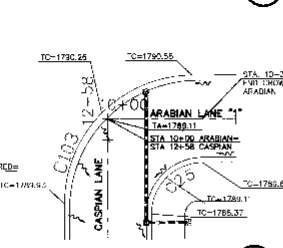


INTERSECTION DETAIL 7
DAKOTA, THOROUGHBRED & CASPIAN

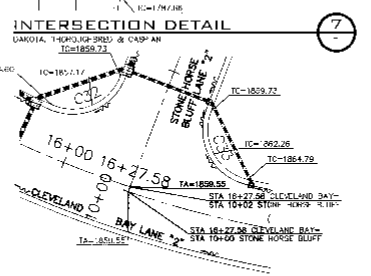
INTERSECTION DETAIL 8
ARABIAN & BUCKSKIN



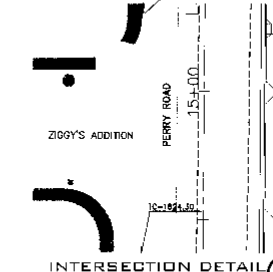
INTERSECTION DETAIL 9
THOROUGHBRED & BUCKSKIN



INTERSECTION DETAIL 10
CASPIAN & ARABIAN



INTERSECTION DETAIL 11
CLEVELAND BAY & STONE HORSE BLUFF



INTERSECTION DETAIL 12
PERRY ROAD & ZIGGY'S ADDITION ENTRANCE

PHASE 1

P-1786

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	42.29	133.00	21.33	42.11	18°13'08"
C2	42.29	133.00	21.33	42.11	18°13'08"
C3	135.30	198.00	70.15	132.63	71°16'52"
C5	141.46	437.00	71.35	140.84	18°32'60"
C6	68.72	186.00	34.75	68.33	21°09'04"
C7	200.63	107.00	114.42	88.78	68°42'06"
C8	72.10	400.00	36.15	72.01	10°19'41"
C9	72.10	400.00	36.15	72.00	10°19'38"
C10	70.63	150.00	47.29	69.97	25°00'00"
C11	59.31	150.00	30.05	58.92	22°39'13"
C12	31.38	447.60	25.72	31.35	6°34'47"
C13	18.96	118.00	9.48	18.95	2°35'53"
C14	30.94	20.00	19.53	27.84	88°37'00"
C15	31.98	20.00	20.46	28.82	91°22'04"
C16	30.94	20.00	19.53	27.84	88°37'00"
C17	31.86	20.00	20.46	28.82	91°22'04"
C18	30.94	20.00	19.53	27.84	88°37'00"
C19	31.86	20.00	20.46	28.82	91°22'04"
C20	31.42	20.00	20.00	28.28	90°00'00"
C21	31.42	20.00	20.00	28.28	90°00'00"
C22	31.42	20.00	20.00	28.28	90°00'00"
C23	31.42	20.00	20.00	28.28	90°00'00"
C24	31.42	20.00	20.00	28.28	90°00'00"
C25	31.42	20.00	20.00	28.28	90°00'00"
C26	31.42	20.00	20.00	28.28	90°00'00"
C27	31.42	20.00	20.00	28.28	90°00'00"
C28	31.42	20.00	20.00	28.28	90°00'00"
C29	31.42	20.00	20.00	28.28	90°00'00"
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"
C32	32.34	20.00	22.20	29.06	92°36'46"
C34	31.42	20.00	20.00	28.28	90°00'00"
C35	31.42	20.00	20.00	28.28	90°00'00"
C36	31.42	20.00	20.00	28.28	90°00'00"
C37	31.42	20.00	20.00	28.28	90°00'00"
C38	31.42	20.00	20.00	28.28	90°00'00"
C39	31.42	20.00	20.00	28.28	90°00'00"
C40	31.42	20.00	20.00	28.28	89°59'51"
C41	31.42	20.00	20.00	28.28	90°00'09"
C42	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C44	33.25	20.00	21.92	29.53	95°14'27"
C45	31.42	20.00	20.00	28.28	90°00'00"
C46	31.42	20.00	20.00	28.28	90°00'00"
C47	31.42	20.00	20.00	28.28	90°00'00"
C48	23.85	20.00	13.57	22.46	68°19'23"
C49	45.18	20.00	37.16	35.73	129°25'19"
C50	33.71	20.00	22.44	29.50	96°34'41"
C51	29.12	20.00	17.83	28.67	83°25'19"
C54	31.42	20.00	20.00	28.28	90°00'00"
C55	33.71	20.00	22.44	29.50	96°34'41"
C56	29.12	20.00	17.83	28.67	83°25'19"
C57	32.32	20.00	20.63	28.32	92°33'54"
C58	30.81	20.00	19.11	27.64	87°24'06"
C59	56.45	20.00	78.15	39.68	161°44'35"
C60	32.56	20.00	21.17	29.08	93°15'58"
C6	44.26	30.00	27.27	40.36	84°32'01"
C62	47.47	30.00	30.35	42.67	90°39'28"
C63	46.78	30.00	29.66	42.18	89°20'33"
C64	50.78	30.00	33.90	44.93	96°56'54"
C65	3.15	20.00	19.74	25.10	89°14'52"
C69	31.68	20.00	20.28	28.47	90°45'08"
C67	3.15	20.00	19.74	25.10	89°14'52"
C68	31.68	20.00	20.28	28.47	90°45'08"
C69	46.84	30.00	29.72	42.23	89°27'38"
C70	47.47	30.00	30.35	42.67	90°39'28"
C71	46.78	30.00	29.66	42.18	89°20'33"
C72	47.53	30.00	30.41	42.71	90°46'57"
C73	47.47	30.00	30.35	42.67	90°39'28"
C74	46.78	30.00	29.66	42.18	89°20'33"
C75	3.15	20.00	19.74	25.10	89°14'35"
C76	31.68	20.00	20.28	28.47	90°45'08"
C77	47.17	30.00	30.09	42.46	90°04'46"
C78	47.13	30.00	30.01	42.43	90°00'00"
C79	31.42	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"
C81	47.13	30.00	30.00	42.43	90°00'00"
C82	47.12	30.00	30.00	42.43	90°00'01"
C83	35.36	30.00	22.3	35.86	73°15'46"
C84	55.89	30.00	40.35	45.15	106°44'11"
C86	47.12	30.00	30.00	42.43	90°00'00"
C87	47.12	30.00	30.00	42.43	90°00'00"
C88	31.42	20.00	20.00	28.28	90°00'00"
C89	31.42	20.00	20.00	28.28	90°00'00"
C90	41.80	30.00	25.40	38.76	79°52'00"
C91	46.65	30.00	29.56	42.11	89°09'21"
C92	540.08	435.00	311.07	506.06	7°08'13"
C95	42.03	30.00	25.29	38.67	80°15'57"
C96	8.07	50.00	3.04	8.07	9°57'25"
C97	7.49	28.00	3.77	7.47	15°19'24"
C98	40.79	30.00	24.25	37.72	77°53'51"
C99	32.22	50.00	15.89	29.77	34°38'05"
C100	23.15	28.00	12.29	22.30	47°22'08"
C101	31.56	50.00	17.42	30.12	36°10'16"
C102	52.74	50.00	28.12	50.33	60°26'25"
C103	50.50	78.53	49.99	70.71	69°93'33"

NOTE: NOT ALL CURVE INFORMATION IN THIS TABLE IS USED ON THIS SHEET.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

Applies to Phase 1 Designation Only.

CONSTRUCTION PLANS
APPROVED: 2/14/07
DATE ACCEPTED: 2/14/07
ACCEPTANCE EXPIRES: 2/14/09
PROJECT LAPSE EXPIRES: 2/14/09
WORK MUST BE COMPLETED BEFORE THIS DATE OR A NEW PLAN REVIEW AND APPROVAL PROCESS WILL BE REQUIRED

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PRESENTATION

SCALE: HORIZONTAL: 1"=20' VERTICAL: N.A.
PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CIVIL ENGINEERING
SPOKANE, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

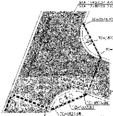
EXPIRES: 9/30/2008

SHEET 8 OF 43

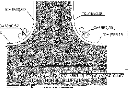
JOB NUMBER 2004-65

P-1786
Eng Road Drainage

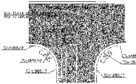
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



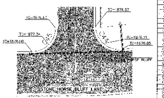
INTERSECTION DETAIL 1
STONE HORSE BLUFF & APPALOOSA



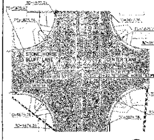
INTERSECTION DETAIL 2
STONE HORSE BLUFF & PINTO



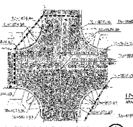
INTERSECTION DETAIL 3
STONE HORSE BLUFF & QUARTERHORSE



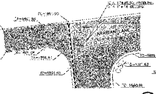
INTERSECTION DETAIL 4
STONE HORSE BLUFF & WEILAND



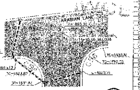
INTERSECTION DETAIL 5
STONE HORSE BLUFF/CENTER & PERRY



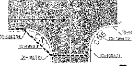
INTERSECTION DETAIL 6
CENTER & PALOMINO



INTERSECTION DETAIL 7
ARABIAN & THOROUGHBRED

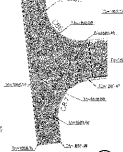


INTERSECTION DETAIL 8
ARABIAN & PINTO

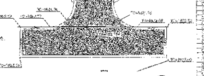


INTERSECTION DETAIL 9
ARABIAN & SHETLAND

INTERSECTION DETAIL 10
ARABIAN & PERRY



INTERSECTION DETAIL 11
THOROUGHBRED & HARBERHEAD



INTERSECTION DETAIL 12
SOUTH PALOMINO DAVENSTEAD

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	43.29	13.00	21.33	42.1	[illegible]
C2	42.78	13.00	21.03	42.1	[illegible]
C3	136.50	108.00	78.15	126.63	[illegible]
C5	141.66	437.00	71.35	140.84	18°32'52"
C6	66.72	186.00	34.75	66.33	21°10'24"
C7	200.63	167.00	14.42	188.75	52°42'56"
C8	72.10	400.00	36.15	72.01	10°19'47"
C9	72.10	400.00	36.15	72.00	[illegible]
C10	91.03	150.00	47.29	89.71	35°50'20"
C11	56.31	150.00	30.05	58.92	22°39'12"
C12	51.38	447.50	25.72	51.36	6°34'41"
C13	18.96	418.00	9.48	15.96	[illegible]
C14	30.34	20.00	19.53	27.04	[illegible]
C15	31.89	20.00	20.48	28.62	91°22'04"
C16	30.34	20.00	19.53	27.94	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTE:
NOT ALL CURVE INFORMATION IN THIS TABLE IS USED ON THIS SHEET.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION PLANS

NAVD 88 DATUM

DEVELOPERS APPROVAL 10/24/07 DATE

	DNR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	MAE	RESUBMITTAL TO SPOKANE COUNTY
10/06	MEK	ORIGINAL PLAN PREPARATION
DATE	BY	REVISIONS

SCALE:
HORIZONTAL: 1"=20
VERTICAL: N.A.

DATE: 10/06/07
DRAWN: MEK
APPROVED: WW

P-1786

IWCE

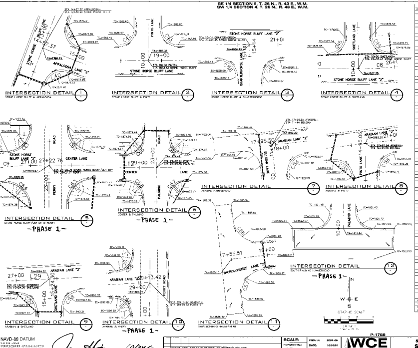
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 9 OF 43

JOB NUMBER 2004-66

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	42.20	133.00	21.33	42.11	[illegible]
C2	42.29	133.00	21.33	42.11	18°13'08"
C3	135.30	108.00	78.15	128.63	71°46'32"
C5	141.46	437.00	71.15	141.04	[illegible]
C6	58.12	186.00	34.75	68.52	[illegible]
C7	200.63	167.00	114.42	188.78	68°49'58"
C8	72.16	400.00	36.18	72.24	10°19'41"
C9	72.16	400.00	36.15	72.06	10°19'30"
C10	91.61	150.00	47.22	90.21	[illegible]
C11	56.31	50.00	30.55	68.92	22°39'13"
C12	61.38	447.50	30.73	61.35	6°54'41"
C13	10.96	413.00	5.48	10.96	[illegible]
C14	30.94	20.00	19.53	27.94	[illegible]
C15	31.88	20.00	20.46	28.62	91°22'04"
C16	30.94	20.00	19.53	27.94	88°37'56"
C17	31.88	20.00	20.46	28.62	91°22'04"
C18	30.94	20.00	19.53	27.94	88°37'56"
C19	31.88	20.00	20.46	28.62	91°22'00"
C25	31.42	20.00	20.00	28.28	90°00'00"
C26	31.42	20.00	20.00	28.28	90°00'00"
C27	31.42	20.00	20.00	28.28	90°00'00"
C28	31.42	20.00	20.00	28.28	90°00'00"
C29	31.42	20.00	20.00	28.28	90°00'00"
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"
[illegible]	32.38	20.00	20.99	28.99	92°40'06"
C33	34.38	20.00	23.20	30.30	98°28'46"
C34	31.42	20.00	20.00	28.28	90°00'00"
C35	31.42	20.00	20.00	28.28	90°00'00"
C36	31.42	20.00	20.00	28.28	90°00'00"
C37	31.42	20.00	20.00	28.28	90°00'00"
C38	31.42	20.00	20.00	28.28	90°00'00"
C39	31.42	20.00	20.00	28.28	90°00'00"
C40	31.42	20.00	20.00	28.28	90°00'00"
C41	31.42	20.00	20.00	28.28	90°00'00"
C42	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C44	33.75	20.00	21.02	29.89	[illegible]
C45	31.42	20.00	20.00	28.28	90°00'00"
C46	31.42	20.00	20.00	28.28	90°00'00"
C47	31.42	20.00	20.00	28.28	90°00'00"
C48	23.85	20.00	13.57	22.48	[illegible]
C49	43.08	20.00	37.06	35.22	123°25'12"
C50	33.71	20.00	22.44	29.86	96°34'41"
C51	29.12	20.00	17.83	26.61	83°25'19"
C54	31.42	20.00	20.00	28.28	90°00'00"
C55	33.71	20.00	22.44	29.86	96°34'41"
C56	29.12	20.00	17.83	26.61	83°25'19"
C57	32.32	20.00	20.97	28.92	92°35'54"
C58	30.51	20.00	19.11	27.64	87°24'06"
C59	[illegible]	20.00	[illegible]	[illegible]	[illegible]
C60	32.55	20.00	21.17	29.08	93°15'18"
C61	44.26	30.00	27.27	40.36	84°32'01"
C62	47.47	30.00	30.35	42.67	90°39'28"
C63	46.75	30.00	29.66	42.16	[illegible]
C64	50.70	30.00	33.60	44.93	96°28'54"
C65	31.15	20.00	19.74	28.10	89°14'32"
C66	31.68	20.00	20.26	28.47	90°46'08"
C67	31.15	20.00	19.74	28.10	89°14'32"
C68	31.68	20.00	20.26	28.47	90°46'08"
C69	46.54	30.00	29.72	42.23	88°27'38"
C70	47.47	30.00	30.35	42.67	90°39'28"
C71	46.75	30.00	29.66	42.16	89°20'32"
C72	[illegible]	30.00	30.41	42.71	90°46'12"
C73	47.47	30.00	30.35	42.67	90°39'28"
C74	46.75	30.00	29.66	42.16	89°20'32"
C75	31.15	20.00	19.74	28.10	89°14'56"
C76	31.68	20.00	20.26	28.47	90°46'03"
C77	47.57	30.00	30.20	42.46	90°52'40"
C78	47.13	30.00	30.01	42.43	90°00'09"
C79	31.42	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"
C81	47.12	30.00	30.00	42.43	90°00'00"
C82	47.12	30.00	30.00	42.43	90°00'01"
C83	38.36	30.00	22.31	35.80	73°15'48"
C84	55.80	30.00	40.35	48.75	[illegible]
C86	47.12	30.00	30.00	42.43	90°00'00"
C87	47.12	30.00	30.00	42.43	90°00'00"
C88	31.42	20.00	20.00	28.28	90°00'00"
C89	31.42	20.00	20.00	28.28	90°00'00"
C90	47.60	30.00	30.48	42.75	[illegible]
C91	46.66	30.00	29.56	42.11	89°09'14"
C92	840.08	435.00	311.07	506.06	[illegible]
C95	40.03	30.00	23.76	36.97	[illegible]
C96	8.67	30.00	4.04	8.07	[illegible]
C97	7.49	28.50	3.77	7.47	15°19'24"
C98	40.79	30.00	24.35	37.72	77°53'51"
C99	36.95	50.00	15.78	30.77	34°26'04"
C100	23.15	28.00	12.28	22.50	47°22'08"
C101	31.38	36.50	17.42	30.12	57°16'16"
C102	52.74	50.00	29.12	50.33	60°26'28"
C103	50.20	78.53	49.60	70.71	89°59'32"

NOTE:
NOT ALL CURVE INFORMATION IN THIS TABLE IS USED ON THIS SHEET.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

7/30/13
Applies to Phase I Designation Only.

SPOKANE COUNTY PUBLIC WORKS
CONSTRUCTION PLANS
PROJECT # P1786
DATE ACCEPTED

NAVD-88 DATUM

DEVELOPERS APPROVAL
10/24/07
DATE

10/2/07	SRE	MYLAR SUBMITTAL TO SPOKANE COUNTY	
------	MAT	SUBMITTAL TO SPOKANE COUNTY	
10/06	MEK	ORIGINAL PLAN PREPARATION	
NO.	DATE	BY	REVISIONS

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/26/07
DRAWN: MEK
APPROVED: TRW

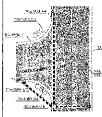
IWCE

P-1786

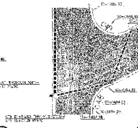
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 9 OF 43
JOB NUMBER 2004-65

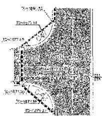
P-1786 Eng Road Drainage



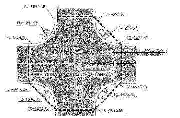
INTERSECTION DETAIL 1
THOROUGHBRED & PINTO (NORTH)



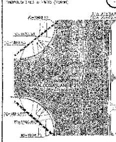
INTERSECTION DETAIL 2
THOROUGHBRED & PINTO (SOUTH)



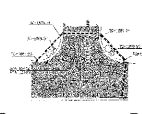
INTERSECTION DETAIL 3
THOROUGHBRED & SHETLAND



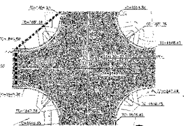
INTERSECTION DETAIL 4
APPALOOSA & QUARTERHORSE



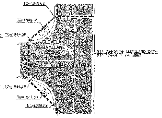
INTERSECTION DETAIL 5
APPALOOSA & PERRY



INTERSECTION DETAIL 6
CLEVELAND BAY & QUARTERHORSE

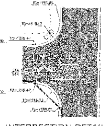


INTERSECTION DETAIL 7
CLEVELAND BAY & PERRY

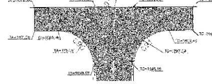


INTERSECTION DETAIL 8
CLEVELAND BAY & PALOMINO

INTERSECTION DETAIL 9
PERRY & SHIRE



INTERSECTION DETAIL 10
PALOMINO & SHIRE



INTERSECTION DETAIL 11
NORTH PALOMINO HAMMERHEAD

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	42.29	132.00	21.37	42.11	[illegible]
C2	42.29	132.00	21.37	42.11	[illegible]
[illegible]	150.39	106.00	75.18	146.86	[illegible]
[illegible]	147.45	147.00	71.36	140.84	[illegible]
[illegible]	[illegible]	185.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	185.00	116.42	[illegible]	[illegible]
[illegible]	29.13	400.00	[illegible]	[illegible]	[illegible]
[illegible]	73.11	390.00	[illegible]	72.92	[illegible]
[illegible]	51.47	150.00	27.28	[illegible]	[illegible]
[illegible]	49.71	150.00	28.08	[illegible]	[illegible]
[illegible]	[illegible]	147.00	[illegible]	[illegible]	[illegible]
[illegible]	16.03	175.00	8.48	[illegible]	[illegible]
[illegible]	30.84	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.64	20.00	20.46	28.52	[illegible]
[illegible]	30.94	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.82	20.00	20.46	[illegible]	[illegible]
[illegible]	30.66	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.52	20.00	20.45	[illegible]	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	[illegible]	[illegible]
[illegible]	31.42	20.00	[illegible]	[illegible]	[illegible]
[illegible]	32.26	20.00	[illegible]	28.46	[illegible]
[illegible]	34.37	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	[illegible]	[illegible]
[illegible]	[illegible]	20.00	[illegible]	28.88	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	[illegible]	[illegible]
[illegible]	31.42	20.00	20.00	28.75	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	35.24	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	28.85	20.00	[illegible]	[illegible]	[illegible]
[illegible]	47.28	20.00	37.16	[illegible]	[illegible]
[illegible]	[illegible]	20.00	22.44	[illegible]	[illegible]
[illegible]	30.12	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.42	20.00	[illegible]	[illegible]	[illegible]
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[illegible]	29.15	20.00	18.81	[illegible]	[illegible]
[illegible]	[illegible]	20.00	[illegible]	[illegible]	[illegible]
[illegible]	26.70	20.00	[illegible]	[illegible]	[illegible]
[illegible]	29.70	20.00	[illegible]	[illegible]	[illegible]
[illegible]	32.26	20.00	21.17	[illegible]	[illegible]
[illegible]	44.26	[illegible]	27.27	40.22	[illegible]
[illegible]	47.47	[illegible]	30.18	42.67	[illegible]
[illegible]	[illegible]	30.00	[illegible]	[illegible]	[illegible]
[illegible]	50.78	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31.16	20.00	[illegible]	28.10	[illegible]
[illegible]	[illegible]	[illegible]	28.26	[illegible]	[illegible]
[illegible]	31.10	20.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	20.00	[illegible]	25.47	[illegible]
[illegible]	46.84	30.00	29.79	[illegible]	[illegible]
[illegible]	47.42	30.00	[illegible]	42.57	[illegible]
[illegible]	[illegible]	30.00	30.66	42.19	[illegible]
[illegible]	47.47	30.00	30.17	[illegible]	[illegible]
[illegible]	47.47	30.00	30.36	42.57	[illegible]
[illegible]	46.78	30.00	29.58	42.15	[illegible]
[illegible]	31.15	20.00	[illegible]	[illegible]	[illegible]
[illegible]	31.82	20.00	20.26	[illegible]	[illegible]
[illegible]	47.17	30.00	30.06	42.46	[illegible]
[illegible]	47.15	30.00	30.02	42.43	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	47.23	30.00	30.07	[illegible]	[illegible]
[illegible]	47.14	30.00	30.02	42.43	[illegible]
[illegible]	47.12	30.00	30.01	42.42	[illegible]
[illegible]	[illegible]	30.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	30.00	13.22	[illegible]	[illegible]
[illegible]	47.12	30.00	30.00	42.43	[illegible]
[illegible]	47.12	30.00	[illegible]	42.43	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	31.42	20.00	20.00	28.28	[illegible]
[illegible]	47.12	30.00	30.00	42.43	[illegible]
[illegible]	45.92	30.00	[illegible]	42.11	[illegible]
[illegible]	540.06	425.00	311.07	[illegible]	[illegible]
[illegible]	[illegible]	30.00	[illegible]	[illegible]	[illegible]
[illegible]	8.07	30.00	4.04	[illegible]	[illegible]
[illegible]	7.48	25.00	3.77	[illegible]	[illegible]
[illegible]	40.75	30.00	24.72	[illegible]	[illegible]
[illegible]	25.20	30.00	13.28	[illegible]	[illegible]
[illegible]	23.23	25.00	12.76	[illegible]	[illegible]
[illegible]	31.02	30.00	17.12	29.68	[illegible]
[illegible]	32.74	30.00	18.12	[illegible]	[illegible]
[illegible]	54.40	28.50	49.80	[illegible]	[illegible]

NOTE:
NOT ALL CURVE INFORMATION IN THIS TABLE IS USED ON THIS SHEET.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION PLANS

N
W E
S
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

NAVD-88 DATUM

[illegible]

DEVELOPER'S APPROVAL 10/24/07
DATE

NO.	DATE	BY	REVISIONS
	[illegible]	[illegible]	1ST AR SUBMITTAL TO SPOKANE COUNTY
	[illegible]	MKE	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

P-1786

WCE

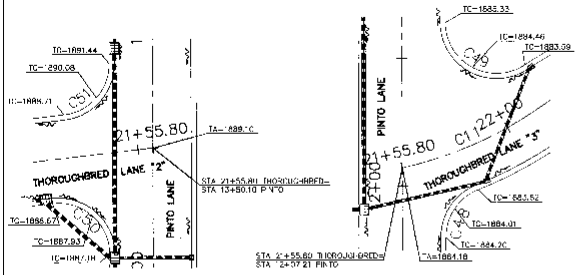
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 10 OF 43

JOB NUMBER 2004-65

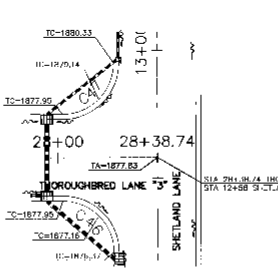
P-178[illegible] England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

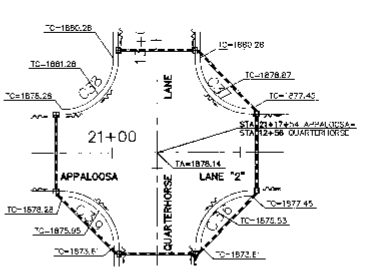


INTERSECTION DETAIL 1
THOROUGHBRED & PINTO (NORTH)

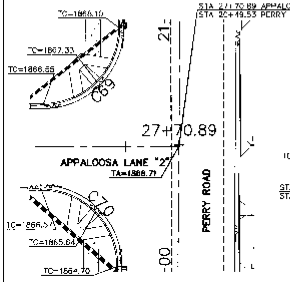
INTERSECTION DETAIL 2
THOROUGHBRED & PINTO (SOUTH)



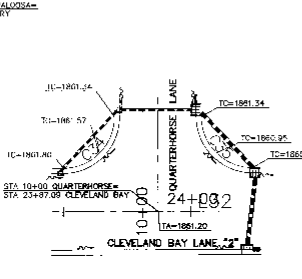
INTERSECTION DETAIL 3
THOROUGHBRED & SHETLAND



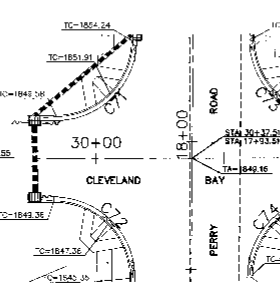
INTERSECTION DETAIL 4
APPALOOSA & QUARTERHORSE



INTERSECTION DETAIL 5
APPALOOSA & PERRY

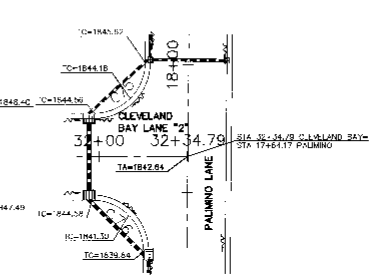


INTERSECTION DETAIL 6
CLEVELAND BAY & QUARTERHORSE



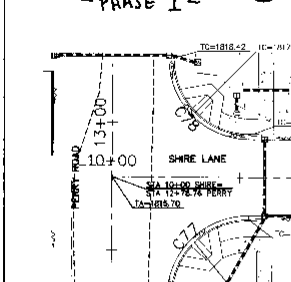
INTERSECTION DETAIL 7
CLEVELAND BAY & PERRY

-PHASE 1-



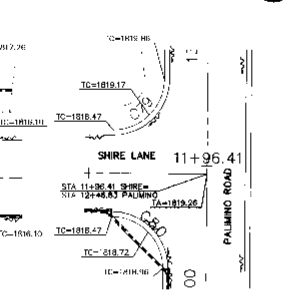
INTERSECTION DETAIL 8
CLEVELAND BAY & PALMINO

-PHASE 1-



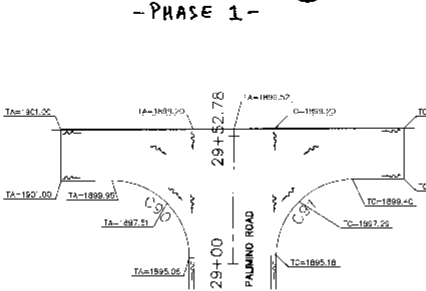
INTERSECTION DETAIL 9
PERRY & SHIRE

-PHASE 1-



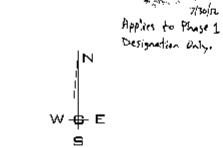
INTERSECTION DETAIL 10
PALMINO & SHIRE

-PHASE 1-



INTERSECTION DETAIL 11
NORTH PALMINO HAMMERHEAD

-PHASE 1-



7/30/07
Applies to Phase 1 Designation Only.

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO	DATE	BY	REVISIONS
	10/9/07	SRP	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

P-1786

IWCE
INLAND WESTERN CONSULTING ENGINEERS
SPOKANE, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
INTERSECTION DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
10 OF 43
JOB NUMBER
2004-65

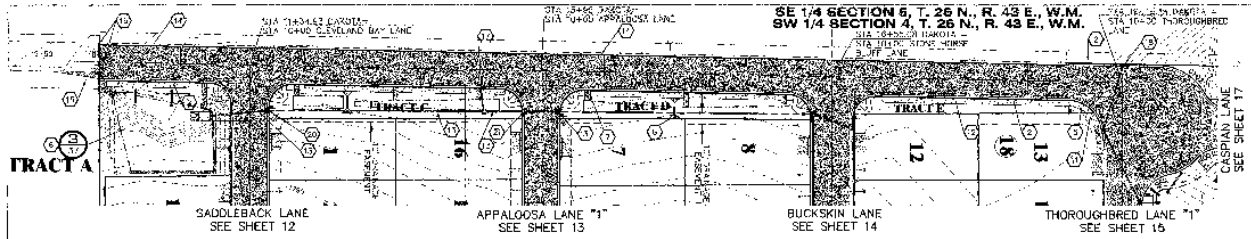
CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	42.29	133.00	21.33	42.11	18°13'06"
C2	42.29	133.00	21.33	42.11	18°13'06"
C3	125.39	108.00	72.15	118.53	71°32'27"
C5	147.48	427.00	74.35	146.84	19°47'50"
C6	68.72	180.00	34.75	68.33	21°52'04"
C7	200.53	167.00	114.42	188.75	68°46'56"
C8	72.15	400.00	36.12	72.01	0°19'41"
C9	73.10	400.00	36.62	73.00	10°19'38"
C10	91.85	150.00	47.29	90.21	35°30'10"
C11	58.31	150.00	30.05	58.92	23°39'13"
C12	57.35	447.50	28.72	57.31	6°34'41"
C13	8.96	418.00	9.48	18.95	2°33'23"
C14	30.94	20.00	19.51	27.94	88°37'55"
C15	31.85	20.00	20.46	28.62	91°22'04"
C16	30.94	20.00	19.03	27.94	88°37'55"
C17	31.86	20.00	20.46	28.62	91°22'04"
C18	30.94	20.00	19.03	27.94	88°37'55"
C19	31.86	20.00	20.46	28.62	91°22'04"
C25	31.42	20.00	20.00	28.28	90°00'00"
C26	31.42	20.00	20.00	28.28	90°00'00"
C27	31.42	20.00	20.00	28.28	90°00'00"
C28	31.42	20.00	20.00	28.28	90°00'00"
C29	31.42	20.00	20.00	28.28	90°00'00"
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"
C32	31.94	20.00	20.98	28.86	91°30'20"
C33	34.38	20.00	23.20	30.39	98°28'46"
C34	31.42	20.00	20.00	28.28	90°00'00"
C35	31.42	20.00	20.00	28.28	90°00'00"
C36	31.42	20.00	20.00	28.28	90°00'00"
C37	31.42	20.00	20.00	28.28	90°00'00"
C38	31.42	20.00	20.00	28.28	90°00'00"
C39	31.42	20.00	20.00	28.28	90°00'00"
C40	31.42	20.00	20.00	28.28	90°00'00"
C41	31.42	20.00	20.00	28.28	90°00'00"
C42	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C44	33.25	20.00	21.92	29.55	95°14'27"
C45	31.42	20.00	20.00	28.28	90°00'00"
C46	31.42	20.00	20.00	28.28	90°00'00"
C47	31.42	20.00	20.00	28.28	90°00'00"
C48	23.65	20.00	13.57	22.46	67°46'23"
C49	43.08	20.00	37.76	35.22	123°26'11"
C50	33.71	20.00	22.44	29.85	96°34'41"
C5	29.12	20.00	17.83	25.6	83°26'19"
C54	31.42	20.00	20.00	28.28	90°00'00"
C55	33.71	20.00	22.44	29.85	96°34'41"
C56	29.12	20.00	17.83	25.6	83°26'19"
C57	32.32	20.00	20.93	28.92	92°35'54"
C58	30.51	20.00	19.11	27.64	87°24'06"
C59	29.48	20.00	15.15	26.58	84°26'35"
C60	12.66	20.00	6.17	29.08	36°15'46"
C6	44.26	30.00	27.27	40.36	84°32'01"
C62	47.47	30.00	30.35	42.67	90°36'28"
C63	45.76	30.00	29.66	42.18	87°22'27"
C64	50.78	30.00	33.90	44.93	96°56'54"
C65	31.15	20.00	19.74	28.10	89°14'02"
C66	31.58	20.00	20.26	28.47	90°45'58"
C67	31.15	20.00	19.74	28.10	89°14'02"
C68	31.58	20.00	20.26	28.47	90°45'58"
C69	46.64	30.00	29.72	42.53	89°27'35"
C70	47.47	30.00	30.35	42.67	90°36'28"
C7	45.76	30.00	29.66	42.18	87°22'35"
C73	47.53	30.00	30.41	42.7	90°46'27"
C74	47.47	30.00	30.35	42.67	90°36'28"
C75	45.76	30.00	29.66	42.18	87°22'35"
C76	31.15	20.00	19.74	28.10	89°14'55"
C78	31.58	20.00	20.26	28.47	91°45'05"
C77	47.12	30.00	30.05	42.46	90°00'40"
C78	47.12	30.00	30.01	42.43	90°00'59"
C79	31.42	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"
C81	47.00	30.00	30.45	42.36	89°45'00"
C87	46.88	30.00	29.98	42.11	89°09'14"
C92	640.28	435.00	311.07	806.06	71°08'13"
C98	42.03	50.00	25.28	38.87	80°15'57"
C96	8.07	50.00	4.04	8.07	9°07'01"
C97	7.42	28.00	3.77	7.47	15°9'24"
C98	40.79	30.00	24.25	37.72	77°53'51"
C99	30.22	50.00	15.89	29.77	34°38'08"
C100	23.15	78.00	17.34	72.56	42°23'09"
C101	31.36	30.00	17.42	30.12	59°51'10"
C102	52.74	50.00	29.12	30.33	60°26'23"
C103	50.00	78.53	49.88	70.7	89°09'53"

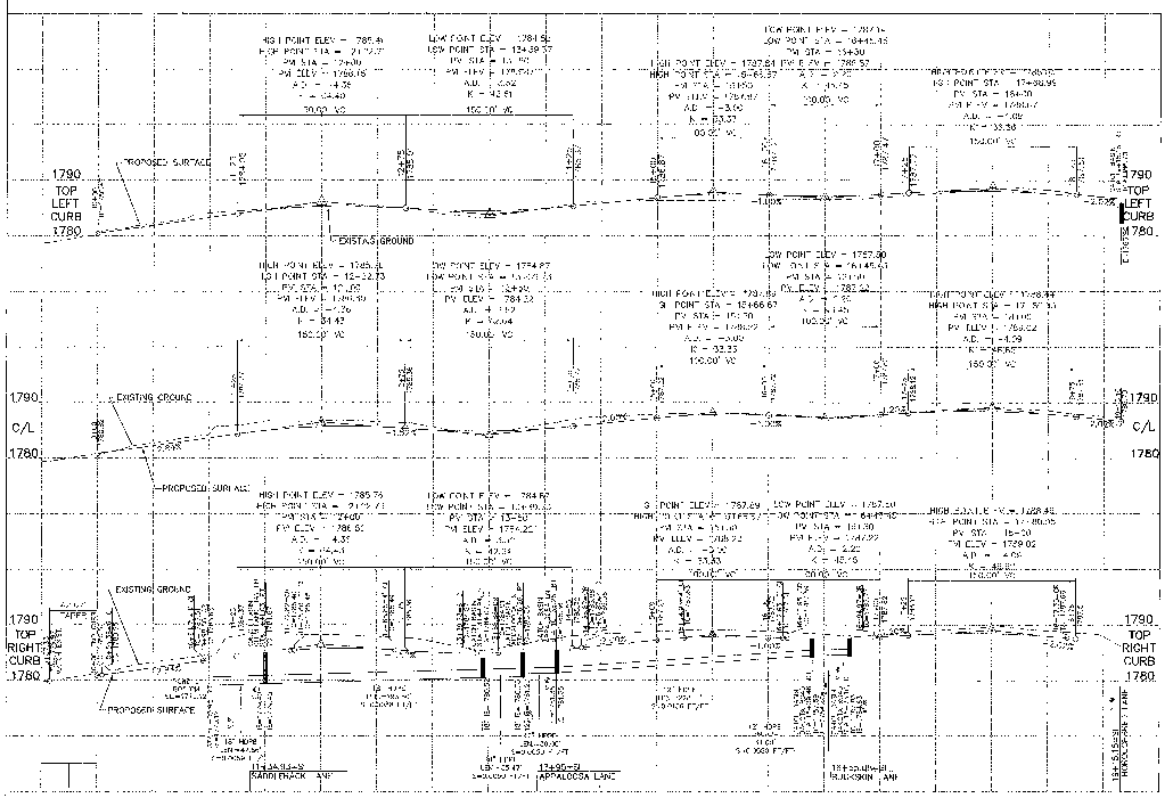
NOTE:
ALL CURVE INFORMATION IN THIS TABLE IS USED ON THIS SHEET

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

SPOKANE COUNTY ROAD STANDARDS
CONSTRUCTION PLANS
PRIVATE
APPROVED
OFFICE OF PUBLIC WORKS
DATE ACCEPTED FOR ORIGINAL
PROJECT # 04-65
PROJECT NAME STONE HORSE BLUFF
PROJECT LINE MILES P.V.I.T. 2.47
ROAD CLASSIFICATION LOCAL ACCESS
ROAD STANDARDS REQUIRED 24' PAVEMENT
ROAD STANDARDS VARIANCE NONE
NOTE: SUBJECT TO CONDITIONS
SPOKANE COUNTY ENGINEER

P-1786
England Drainage





CONSTRUCTION NOTES

1. NOT USED.
2. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
3. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
4. PROVIDE AND INSTALL 2" HDPE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE.
5. PROVIDE AND INSTALL 9 KEY SIGN PER SPOKANE COUNTY STANDARD PLAN A-16 (TYP.).
6. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
7. PROVIDE AND INSTALL TYPE 1 AND TYPE 3 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-6 AND B-9. SEE PROFILE FOR STATION AND OFFSET (TYP.).
8. PROVIDE AND INSTALL CHAIN LINK PER SPOKANE COUNTY STANDARD PLANEL SEE DETAIL 6 SHEET 16 (TYP.).
9. NOT USED.
10. NOT USED.
11. PROVIDE AND INSTALL TYPE B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 (TYP.).
12. PROVIDE AND INSTALL 5' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1 (TYP.).
13. PROVIDE AND INSTALL 18" I DIE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE.
14. PROVIDE AND INSTALL TYPE "S" CURB PER SPOKANE COUNTY STANDARD PLAN A-2.
15. PROVIDE AND INSTALL ASPHALT TAPER, SAWCUT & MATCH EXISTING ASPHALT.
16. PROVIDE AND INSTALL 1' CURB ROSE DOWN PER SPOKANE COUNTY STDS.
17. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH METAL FRAME AND TYPE 1 AND FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11.10 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
18. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
19. PROVIDE AND INSTALL 12" DIA STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE ON SHEET 15.
20. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH METAL FRAME AND TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
21. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH METAL FRAME AND TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

LIMITS OF NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L1	9'-5.19	S01°59'00"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C14	20.94	70.00	10.58	27.94	85°37'00"
C15	31.09	70.00	20.49	28.62	9°29'04"
C16	30.94	20.00	19.52	27.91	88°37'55"
C17	31.85	20.00	20.46	28.62	91°22'04"
C18	30.94	20.00	19.52	27.84	88°37'55"
C19	31.85	20.00	20.46	28.62	91°22'04"
C05	42.03	30.00	23.20	38.87	80°15'57"
C06	6.07	50.00	3.04	6.07	6°57'23"
C07	7.46	26.00	3.77	7.47	15°39'24"
C08	40.79	30.00	24.25	37.72	77°53'31"
C09	30.79	18.00	19.59	28.77	98°00'00"
C100	22.15	28.00	12.78	22.50	47°22'08"
C101	31.56	30.00	17.42	30.12	60°16'16"
C102	22.74	90.00	28.12	52.33	60°36'26"

GRAPHIC SCALE

1 inch = 50 ft.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE 10/24/07
ACCEPTANCE EXPIRES: 10/24/08
PROJECTED LANE MILES: PUBLIC 0.47
PROJECT LANE MILES: PRIVATE: 0.00
CONSTRUCTION DOCUMENTS AND REVISED DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO FINAL ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PLEASE CALL (509) 477-3600
NOTIFY SURVEY MONUMENT PRESERVATION

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

10/5/07	SRG	MYLAR SUBMITTAL TO SPOKANE COUNTY	
10/8/07	MAT	SUBMITTAL TO SPOKANE COUNTY	
12/06	MSK	ORIGINAL PLAN PREPARATION	
NO.	DATE	BY	REVISIONS

SCALE:
HORIZONTAL: 1 = 50'
VERTICAL: 1" = 10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MSK
APPROVED: TRW

WCE
CIVIL ENGINEERS
CIVIL LAND DEVELOPMENT CONSULTING
2903 N. STONE, SUITE 204
SPOKANE VALLEY, WASHINGTON 99212
TEL: (509) 924-7688 FAX: (509) 924-7690

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
DAKOTA ROAD STA. 10+00 - STA. 19+15.15
SPOKANE COUNTY, WASHINGTON

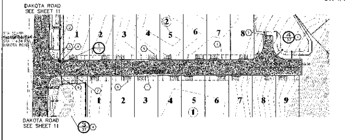
SHEET
11 OF 43
JOB NUMBER
2004-65

P-1786

England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



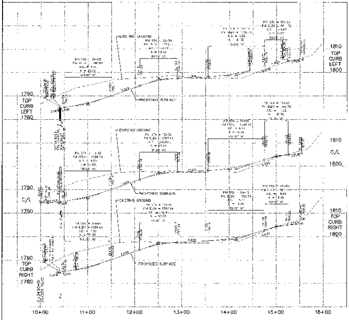
CONSTRUCTION NOTES

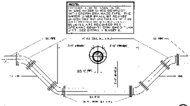
1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND IE'S AS SHOWN ON PROFILE.
3. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16 (TYP).
4. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
5. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYPICAL).
6. PROVIDE AND INSTALL CURB INLET PER SPOKANE COUNTY STANDARD PLANS. SEE PROFILE FOR STATION AND OFFSET (TYP).
7. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-6. SEE PROFILE FOR STATION AND ELEVATION INFORMATION. ALL CURB INLETS TO BE 4' WIDE UNLESS NOTED OTHERWISE.
8. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME; TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-11. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL 47.56 LF. OF 18" HDPE STORM DRAIN PIPE. IE.(N)=1779.40, IE.(S)=1779.12, S=0.0060 FT/FT.

LIMITS OF NEW ASPHALT

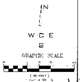
LINE TABLE		
LINE	LENGTH	BEARING
L7	553.58	N89°46'55"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C14	30.94	20.00	19.55	27.94	88°37'26"
C15	31.89	20.00	20.48	28.62	91°22'04"
C81	47.12	30.00	30.00	42.43	90°00'00"
C82	47.12	30.00	30.00	42.43	90°00'00"





STORM DRAINAGE PIPE CROSSING DETAIL



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL — 10/24/07 DATE

NO.	DATE	BY	REVISIONS
	10/5/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=50 VERTICAL: 1"=10

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

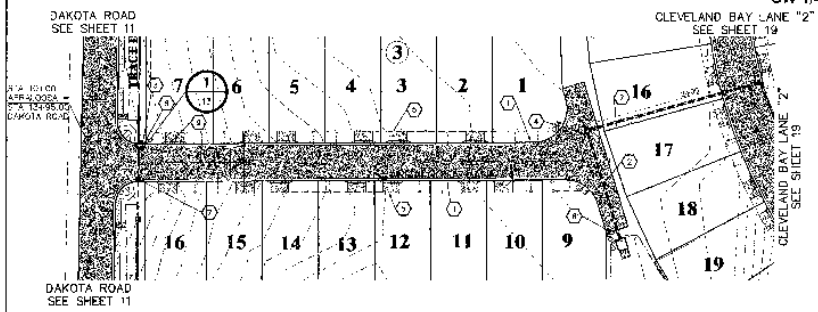
WCE

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
SADDLEBACK LANE STA. 10+00 - STA. 15+46.49
SPOKANE COUNTY, WASHINGTON

SHEET 12 OF 43
JOB NUMBER 2004-65

P-1786 Eng Road Drainage

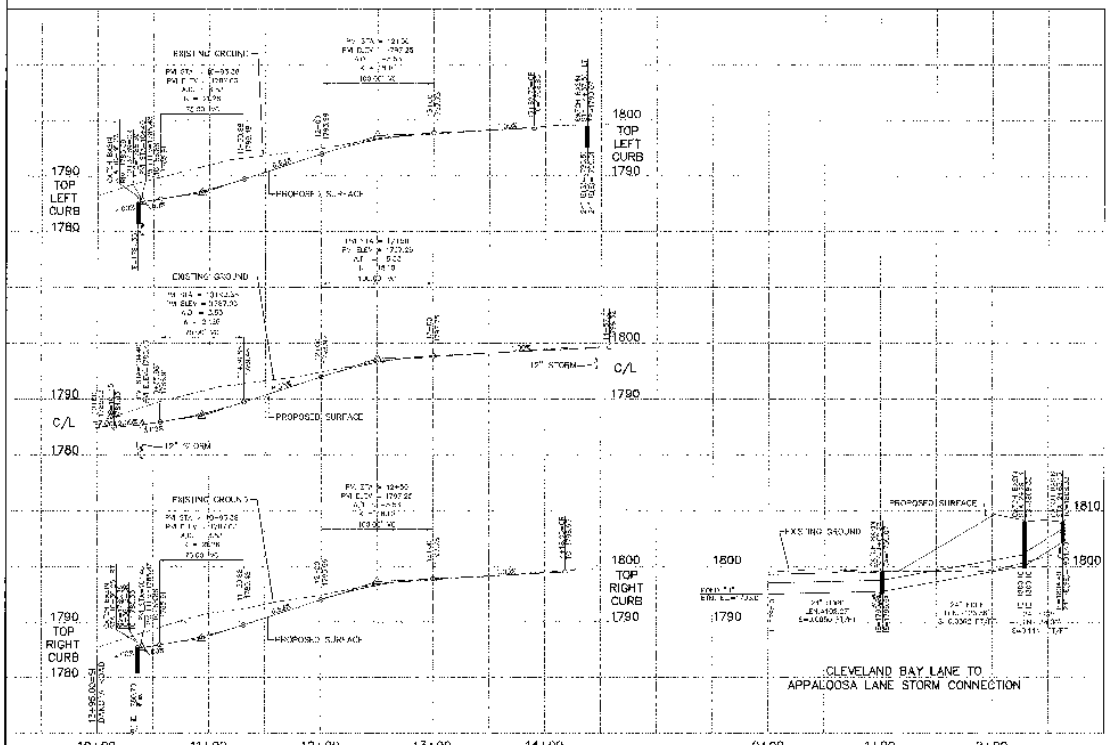
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
3. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-15.
4. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE "2" CATCH BASIN PER W.S.D.O.T. STANDARD PLAN "D-1 2.20-00" WITH METAL FRAME, TYPE 4 FRAME AND SOLID LID LABELED "STORM" PER SPOKANE COUNTY STANDARD PLAN "D-15". SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
5. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 9 (TYP.)
6. PROVIDE AND INSTALL TYPE "1" CURB INLET PER SPOKANE COUNTY STANDARD PLAN D-8. SEE PROFILE FOR LENGTH, GRADE AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11 AND B-14 RELATIVE TO FOR STATION, OFFSET AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL 30 LF OF 12" HDPE STORM DRAIN PIPE. LE(A)=1781.35, LE(B)=178.20, S=0.0050 FT/FT.



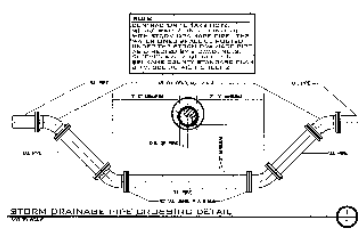
LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L3	137.37	S89°16'55"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	LAMBDA	CHORD	DELTA
C16	30.94	20.00	19.53	27.94	88°37'56"
C17	3.69	20.00	20.16	3.68	10°22'04"
CR3	38.36	30.00	22.31	70.80	73°13'48"
CR4	55.88	30.00	45.15	48.15	106°44'11"

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORDINANCE
CONSTRUCTION PLANS
PROJECT # P-1786
DATE APPROVED: 10/24/07
ACCEPTANCE EXPIRES: 10/24/09
PROJECTS LANE MILES: PUB .2 PVT .2
PROJECT LANE MILES: PRIVATE .2

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 RECORDS (509) 477-3613



N
W E
S
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

NAVD-88 DATUM
VERTICAL DATUM
BASED UPON CONTROL RUN IN THE VICINITY OF
ASSOCIATED WITH THE NORTH WEST
QUARTER OF THE NORTHEAST QUARTER OF
SECTION 5 TOWNSHIP 26 NORTH, RANGE 43 EAST, W.M.
USGS — BENCH MARK 88

DEVELOPERS APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/06	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-85
DATE: 10/06/07
DRAWN: MEK
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
721 ON A HANDERSON, P.O. PREPARERS
2208 NORTH LEGENDARY
SPOKANE, WA 99205 INC. 99205
TEL (509) 467-0828 FAX (509) 467-2697

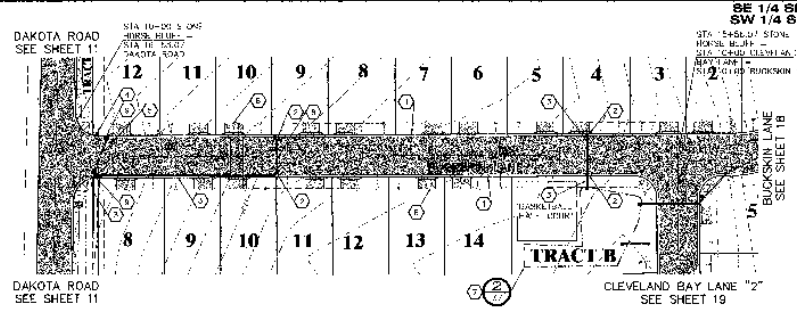
P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
APPALOOSA LANE 1 STA. 10+00 - STA. 14+56.13
SPOKANE COUNTY, WASHINGTON

SHEET
13 OF 43
JOB NUMBER
2004-85

P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



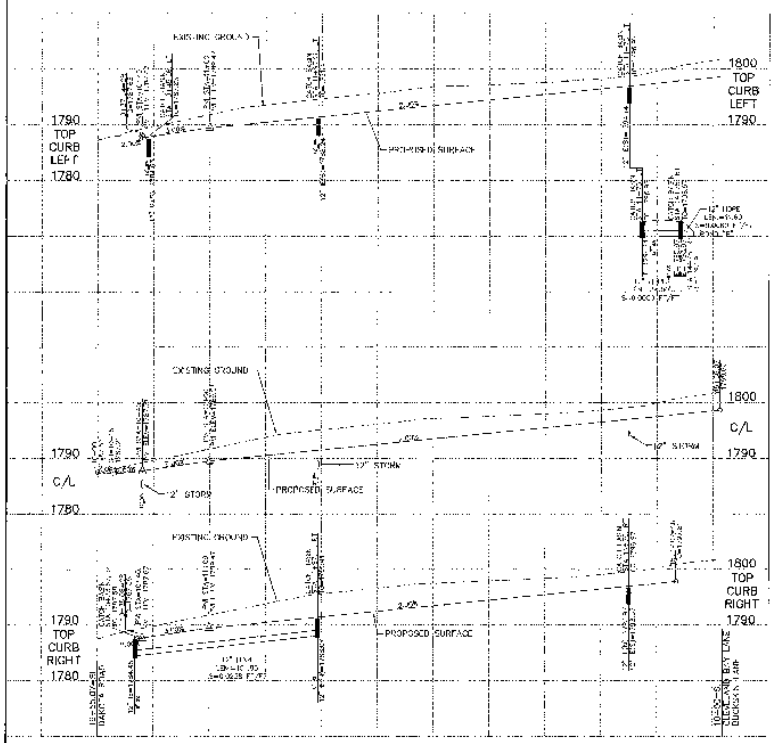
CONSTRUCTION NOTES

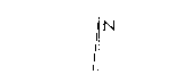
1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 DI OR BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11 AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" IDPE STORM DRAIN PIPE TO GRADE AND LEVEL AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-15
5. PROVIDE AND INSTALL 34 LF OF 12" IDPE STORM DRAIN PIPE. E.(NE)=1784.63, I.E.(SW)=1784.46', S=-0.0060 FT/FT.
6. PROVIDE AND INSTALL 33 LF OF 12" IDPE STORM DRAIN PIPE. E.(N)=1788.24', I.E.(S)=1788.07', S=0.0052 FT/ FT.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND SOIL INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS SEE DETAIL "B-61.0 (TYP.)
9. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

LIMITS OF NEW ASPHALT

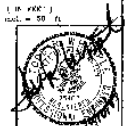
LINE TABLE		
LINE	LENGTH	BEARING
L4	30.00'	S89°18'45"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C19	30.04	20.00	18.53	27.24	86°03'56"
C18	3.64	20.00	20.48	28.62	91°22'05"
C20	31.42	20.00	20.00	28.28	90°00'00"
C21	3.42	20.00	20.00	28.28	90°00'00"





SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS ARE MILES, PUBLIC: 0.27
PROJECT LANE MILES, PRIVATE: 2.89
CONSTRUCTION AUTHORIZATION AND APPROVAL
RECORD DRAWINGS FOR PUBLIC ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE BONDS AND ESCROWS ENDURING FOR MAINTENANCE.
PERMIT EXPIRES 1000 DAY 1000
WITH PERMIT OWNER'S SIGNED DATE
AND TO COMPLIANCE



DATE: 12/4/07

P-1786

NAVD-88 DATUM
VERTICAL DATUM
BASED UPON FIELD GPS OBSERVATIONS ON THE
A CONTROL NETWORK AT THE NORTHWEST
QUADRANT OF THE INTERSECTION
FOUND "NO" CHISELED MARK

DEVELOPER'S APPROVAL — DATE 10/24/07

NO	DATE	BY	
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

REVISIONS

SCALE:	PROJ #:	2004-65
HORIZONTAL: 1"=50'	DATE:	10/08/07
VERTICAL: 1"=10'	DRAWN:	MEK
	APPROVED:	TRW

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL • LAND DEVELOPMENT • SURVEYING
308 NE PINE • LEWISTON, IDAHO
(509) 334-1211 • FAX (509) 334-9027

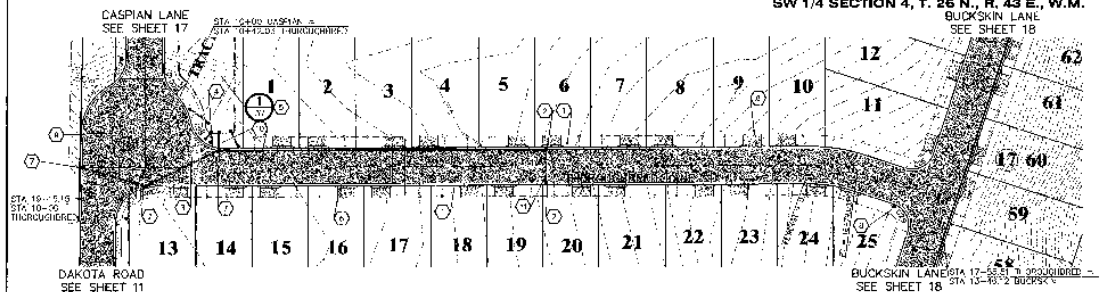
STREET AND DRAINAGE PLAN
STONE NORSE BLUFF
BUCKSKIN LANE
STA. 10+00 - STA. 15+56.07
SPOKANE COUNTY, WASHINGTON

SHEET
14 OF 43

JOB NUMBER
2004-65

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



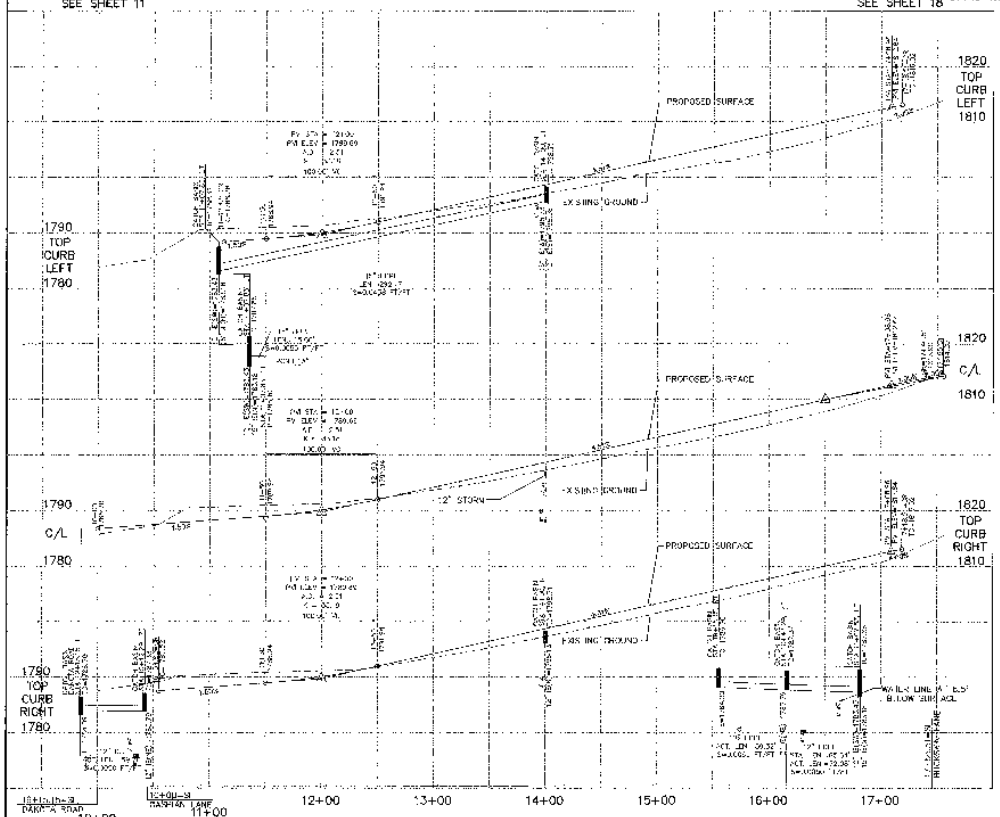
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND LOCK, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. SEE POND DETAIL FOR PIPE, INVERT, AND RIM INFORMATION.
6. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS SEE DETAIL 1 SHEET 2 (TYP).
7. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND LOCK, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
8. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
9. PROVIDE AND INSTALL TYPE A CURB PER SPOKANE COUNTY STANDARD PLAN.
10. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
11. PROVIDE AND INSTALL 30 LF OF 12" HDPE STORM DRAIN PIPE, LE(S)=1788.4, LE(N)=1785.88, S=0.0250 FT/FT.
12. PROVIDE AND INSTALL 12" D.I. STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN IN PROFILE.

= LIMITS OF NEW ASPHALT

LOT TABLE		
LINE	LENGTH	BEARING
L5	936.71	N69°16'55"E
L6	78.46	S71°39'57"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C27	42.29	133.00	21.32	42.11	18°13'06"
C28	31.42	20.01	20.00	28.28	90°00'00"
C29	31.42	20.00	20.00	28.28	90°00'00"
C30	92.03	33.00	35.29	58.89	80°15'57"
C96	6.07	50.00	3.04	6.07	6°57'25"
C97	7.48	98.00	3.77	7.47	1°45'12"
C98	40.76	33.00	24.25	37.77	70°47'51"
C99	30.22	50.00	15.59	29.77	34°36'58"
C100	53.5	22.00	14.28	22.50	47°22'38"
C101	15.49	50.00	7.82	30.12	6°21'18"
C102	52.74	50.00	28.12	50.31	60°26'57"



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

N
W E
S
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC "AS-BUILT" ORIGINAL
CONSTRUCTION PLANS
PROJECT #: D1786
DATE ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES: 10/4/08
PROJECTS LANE MILES: P.W.D.: 2.17
PROJECT LANE MILES: PRIVATE: 2.89
CONSTRUCTION GUARANTEE AND SURETIES
BONDS REQUIRED "AS-BUILTS" ARE REVIEWED FOR GENERAL CONFORMANCE WITH INTENT OF THE HEARD AND DRAINAGE FACILITIES FOR WATERWAY
ITEMS REQUIRED PER 2 YEARS NOTE
SEE SHEET 2 FOR CERTIFICATION

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/29/07

NO.	DATE	BY	
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

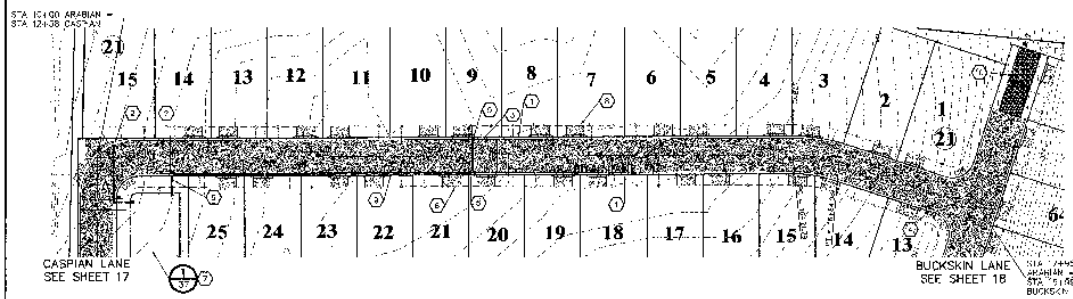
WCE
WHIPPLE CONSULTING ENGINEERS

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
THOROUGHBRED LANE 1 STA. 10+00 - STA. 17+55.51
SPOKANE COUNTY, WASHINGTON

SHEET 15 OF 43
JOB NUMBER 2004-65

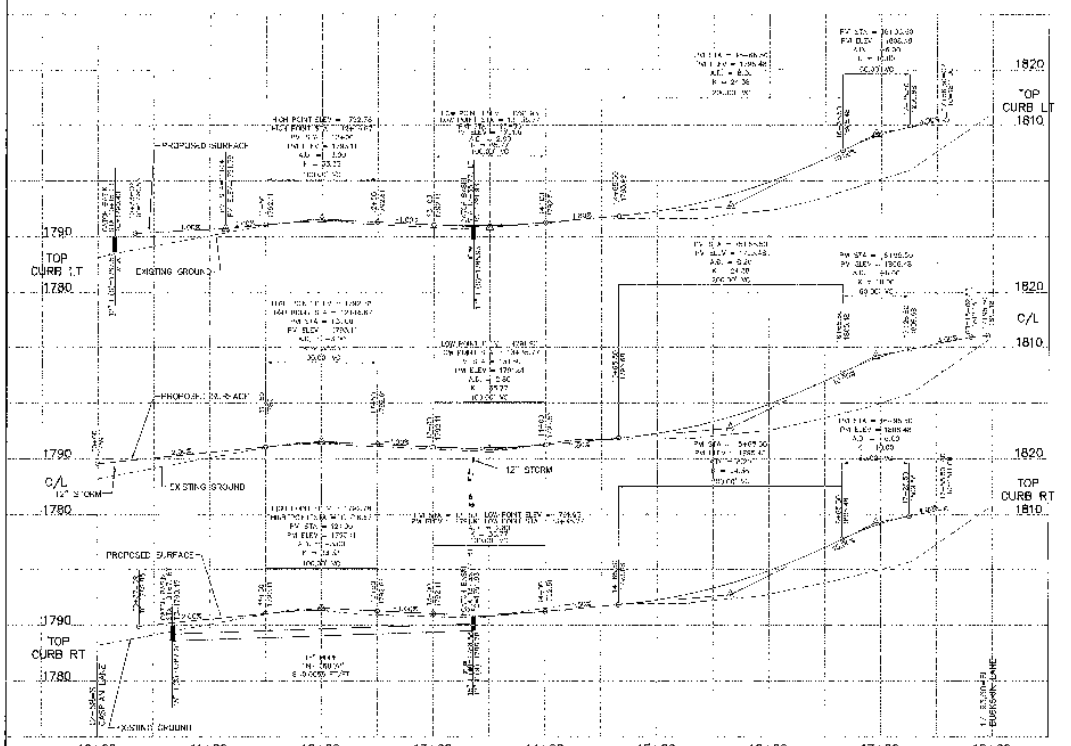
P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 30LF. OF 12" HDPE STORM DRAIN PIPE. I.E.(N)=1789.43, I.E.(S)=1789.28, S=0.0050 FT/FT.
4. PROVIDE AND INSTALL 3 BEEF SICK PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN D-4, D-11, AND D-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL WSDOT 48" TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-10.50 GO WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-14, SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYPICAL).
9. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LEVS AS SHOWN ON PROFILE.
10. PROVIDE AND INSTALL 6" GRAVEL DRIVEWAY.



MIDS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L8	821.78	S89°48'30"W
L9	131.42	N71°21'57"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	42.29	133.50	2.33	42.11	18°15'05"
C25	31.42	20.00	20.00	28.28	90°00'00"
C26	31.42	20.00	20.00	28.28	90°00'00"
C27	31.42	20.00	20.00	28.28	90°00'00"
C103	50.00	75.53	49.99	79.71	80°00'00"

N
W E
S
GRAPHIC SCALE
(IN FEET)
1 INCH = 50 FT.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS LANE MILES: PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION DOCUMENT MILES AND CERTIFIED SPOKANE DRAINAGE, TRANSMITTAL AND REVISED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE SYSTEMS FOR MAINTENANCE
SEE REQUIRED DATE ACCEPTANCE
SHEET NUMBER AND SHEET DESCRIPTION
REFER TO CONSTRUCTION

P-1786

NAVD-88 DATUM
VERTICAL DATUM
WSDOT BRASS DISK GPS 3200 SOUTH
4 CONCRETE WALL AT THE NORTHWEST
QUADRANT OF THE INTERSECTION
P.S.D. NO. 2 FOR PARKER DRAIN
FILE = 1840-03-PARKER

DEVELOPER'S APPROVAL 10/24/07 DATE

NO	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

WCE
WHITE MOUNTAIN ENGINEERS
CIVIL ENGINEERING AND LAND SURVEYING
SPOKANE VALLEY, WASHINGTON 99216
P: 509-926-7117 FAX: 509-926-8177

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
ARABIAN LANE 1 STA. 10+00 - STA. 17+95.50
SPOKANE COUNTY, WASHINGTON

SHEET 16 OF 43
JOB NUMBER 2004-65

P 1786 Engineered Drainage

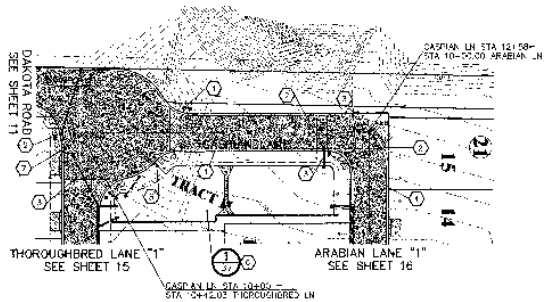
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

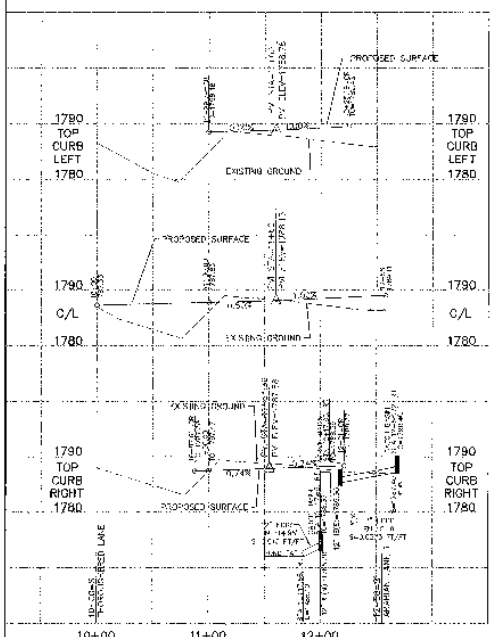
1. PROVIDE AND INSTALL TYPE "A" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND LOCD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-2 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND SLOPE AS SHOWN ON PROFILE.
4. REMOVE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 6' TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-6. SEE PROFILE FOR STATION AND ELEVATION (TYP).
6. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
7. REMOVE AND INSTALL TYPE "A" CURB PER SPOKANE COUNTY STANDARDS.

LIMITS OF NEW ASPHALT



LINE TABLE		
LINE	LENGTH	BEARING
L2	25.00	S89°53'07"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C20	31.42	20.00	20.00	28.28	90°00'00"
C93	42.03	30.00	23.29	38.87	80°15'21"
C96	6.07	50.00	3.04	6.07	6°57'25"
C97	7.48	25.00	3.77	7.47	17°13'24"
C98	40.79	30.00	24.25	37.72	77°53'57"
C99	70.22	50.00	15.59	69.77	84°36'28"
C100	73.51	50.00	17.39	53.30	42°28'08"
C101	31.58	30.00	17.42	30.12	60°18'10"
C102	52.74	50.00	29.12	50.33	60°28'25"
C103	30.00	78.53	49.98	70.71	89°09'37"



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

SPOKANE COUNTY PUBLIC WORKS
SPECIAL PLAN D (SUPLN-01) ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 10/24/07
ACCEPTANCE APPROVAL: 12/4/09
PRIVATE LANE MILES: PUBLIC: 0.11
PROJECT LANE MILES PRIVATE: 2.07
NORTH 220 WASHINGTON AVE CENTER
PASCO, WASHINGTON 99301-2370
ACTIVE PERMIT CHANGES 3 BUSINESS DAYS
DATA TO CONFIRM(509)

NAVD-88 DATUM
VERTICAL DATUM IS BASED UPON GPS OBSERVATIONS AND THE NGS DATUM CONVERSION PROGRAM GEOID03 FOR THE CONTROL MONUMENT LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF DAKOTA ROAD AND FARWELL ROAD.

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/24/07	MAT	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/09	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MER	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-66
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CIVIL ENGINEERING
SPOKANE, WASHINGTON 99216

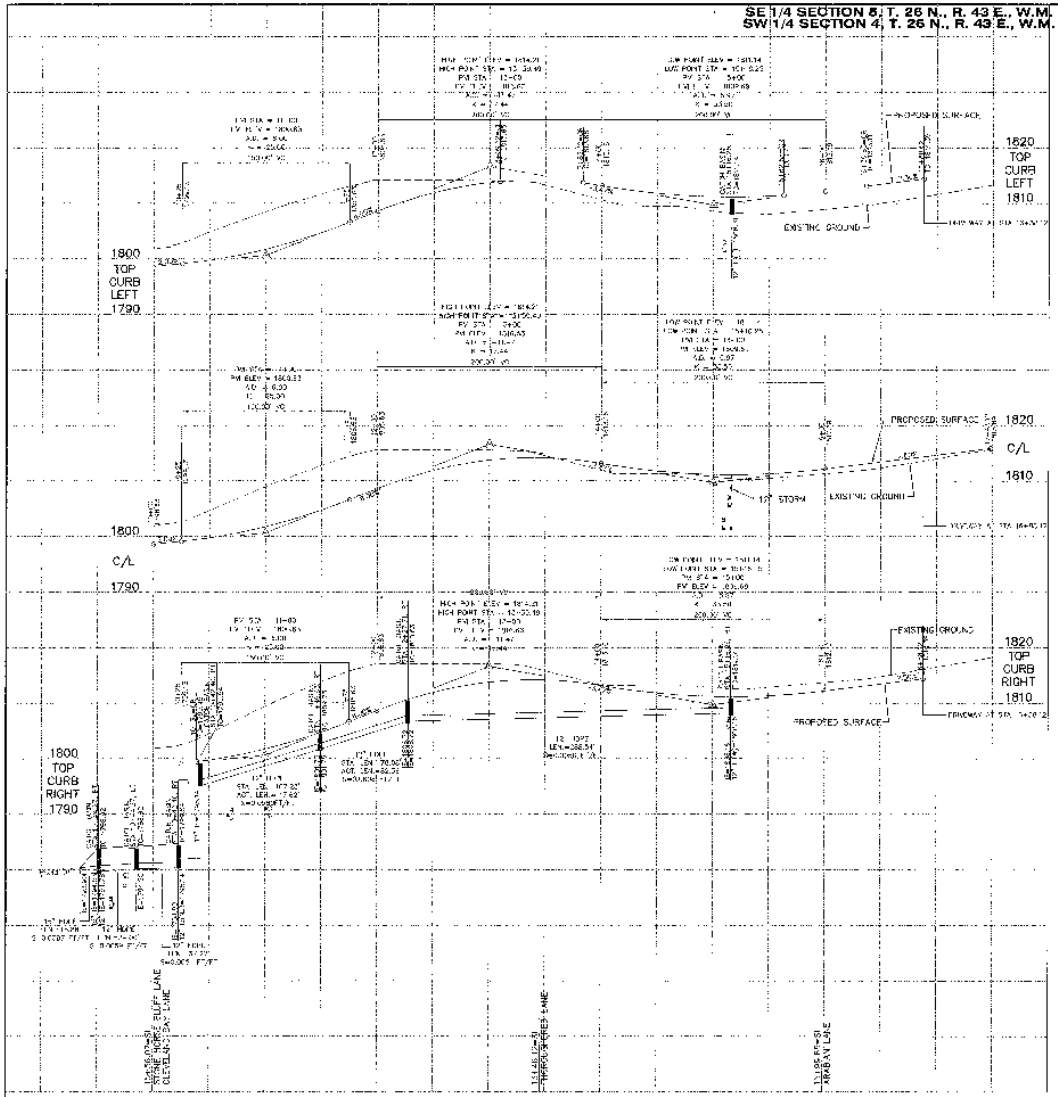
P-1786

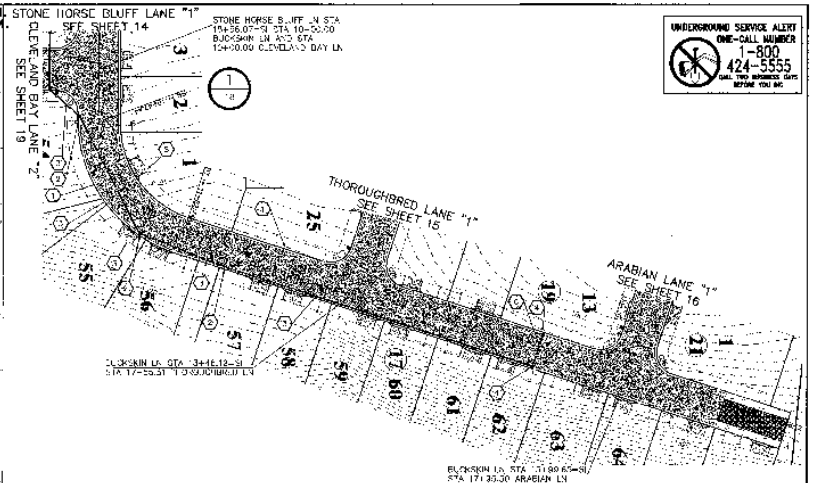
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
CASPIAN LANE STA. 10+00 - STA. 12+58
SPOKANE COUNTY, WASHINGTON

SHEET 17 OF 43
JOB NUMBER 2004-66

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.





UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

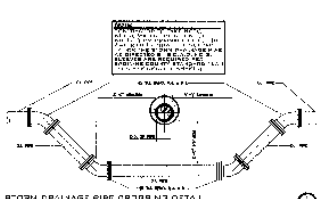
1. PROVIDE AND INSTALL "TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 I.A. CB BASIN, TYPE 2 FRAME AND GRATE, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" I.D.P.E. STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND GRATE, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
5. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARD. SEE DETAIL 1 SHEET 2 (TYP.).
6. PROVIDE AND INSTALL 36 LF. OF 12" HDPE STORM DRAIN PIPE. LF.(#)=(DIST. "E"(ft)-DIST."S"(ft)) S=0.0050 FT/FT.

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L10	535.38	S16°50'53"W
L11	47.44	S89°48'05"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C3	35.30	150.00	76.13	120.63	71°48'52"
C5	72.45	400.00	36.28	72.35	10°19'41"
C6	72.45	400.00	36.28	72.35	10°19'41"
C26	31.42	20.00	20.00	28.28	90°00'00"
C27	31.42	20.00	20.00	28.28	90°00'00"
C28	31.42	20.00	20.00	28.28	90°00'00"
C29	31.42	20.00	20.00	28.28	90°00'00"
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"

GRAPHIC SCALE



SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 12/5/07
ACCEPTANCE EXPIRES: 12/4/08
PROJECT LANE MILES PUR. 0.54
PROJECT LANE MILES PR VATE: 0.84
CONTRACT SETTLEMENT AND CERTIFIED RECORD DRAWINGS SHALL BE SUBMITTED WITHIN 90 DAYS OF THE ACCEPTANCE DATE OR THE RELEASE OF PERFORMANCE BOND, WHICHEVER IS LATER PURSUANT TO SCC 7.03.060
DATE EXPIRES: 12/4/09

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/29/07 DATE

NO.	DATE	BY	REVISIONS
	10/5/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/05/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CONSULTING ENGINEERS
CIVIL CONSTRUCTION CONSULTANTS
SPOKANE, WA. 99201

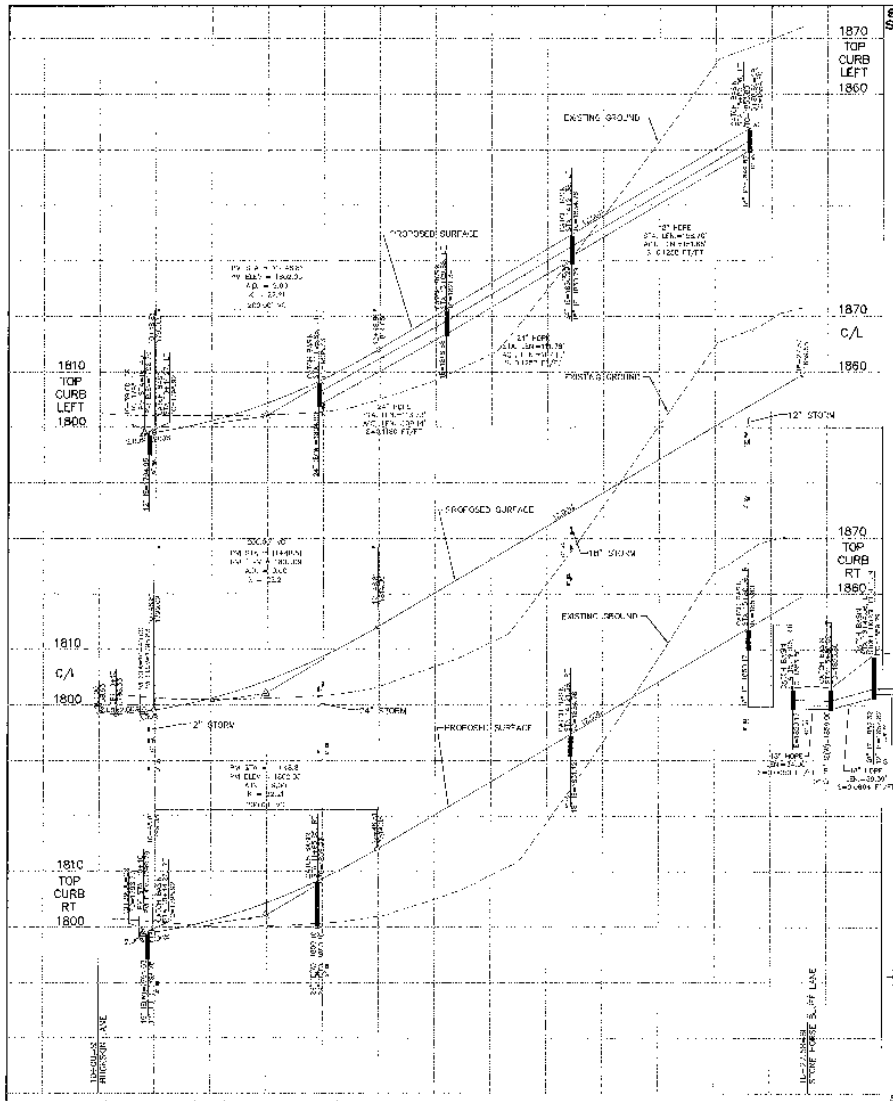
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
BUCKSKIN LANE STA. 10+00 - STA. 17+48.12
SPOKANE COUNTY, WASHINGTON

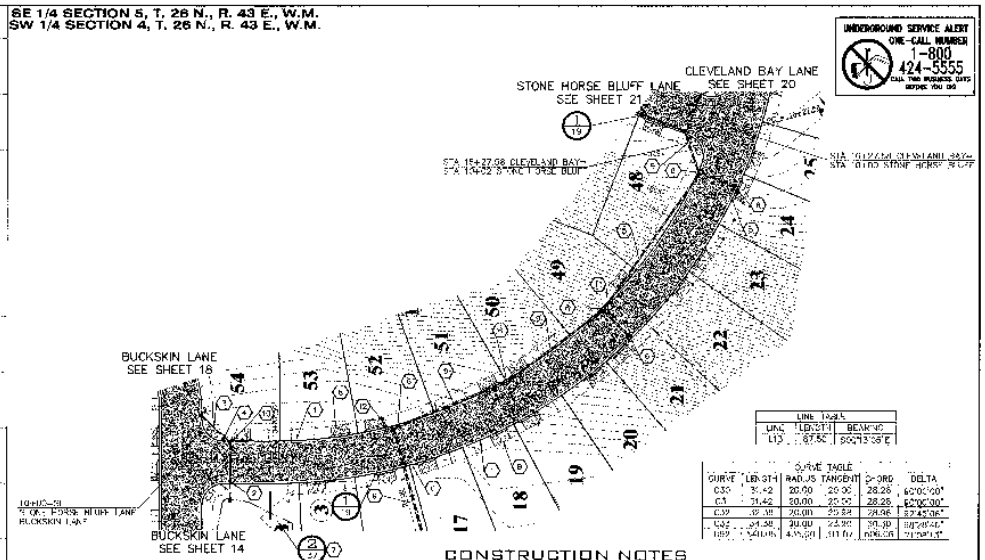
SHEET 18 OF 43
JOB NUMBER 2004-65

P-1786 Eng Bond Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG





LINE TABLE		
LINE	LENGTH	BEARING
L13	67.56'	S00°53'58"E

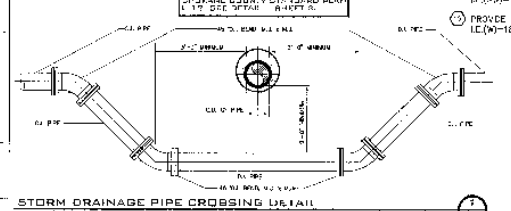
CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"
C32	47.18	28.00	25.24	28.06	96°32'06"
C33	94.58	30.00	52.90	30.19	180°40'44"
L69	1,540.65	4,445.00	511.67	N00°00'00"E	19°51'15"

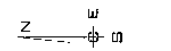
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL 48" DIA. W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-30.20-00 WITH METAL FRAME, TYPE 2 HOOD AND TRASH AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR POND OVERFLOW AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1, SHEET 17 (TYP.)
9. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE. SEE SHEET 13 FOR PROFILE OF CONNECTION TO POND C-2.
10. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
11. PROVIDE AND INSTALL 74 LF. OF 18" HDPE STORM DRAIN PIPE. I.E.(SW)=1831.92, I.E.(NE)= 831.75, S=0.0030 FT/FT.
12. PROVIDE AND INSTALL 30 LF. OF 24" HDPE STORM DRAIN PIPE. I.E.(W)=1809.10, I.E.(E) 1804.00, S=0.1700 FT/FT.

TIE-IN OF NEW ASPHALT

NOTE:
CONTRACTOR TO TAKE TIE-IN WATER LINES CONFLICT WITH STORM DRAINAGE PIPE. THE WATER LINE(S) SHALL BE ROUTED UNDER THE STORM DRAINAGE PIPE OR REMOVED AND REPLACED SLEEVED AND RESTRICTED PER SPOKANE COUNTY STANDARD PLAN S-175. SEE SHEET 8 FOR S.





SPOKANE COUNTY PUBLIC WORKS
OFFICIAL FLOOD CONTROL DISTRICT APPROVAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/14/07
ACCEPTANCE EXPIRES: 12/31/08
PROJECT LANE MILES PAVED: 0.47
PROJECT LANE MILES PRIVATE: 0.47
CONSTRUCTION COMMENCEMENT AND COMPLETION
BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AND AGENCIES HAVING JURISDICTION OVER THE CONSTRUCTION OF UTILITIES AND STORM DRAINAGE FACILITIES FOR THIS PROJECT.
PERMIT EXPIRES 2 YEARS FROM DATE ISSUED TO CONSTRUCTION

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
3	10/9/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
2		MAT	SUBMITTAL TO SPOKANE COUNTY
1	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:	PROJ #: 2004-65
HORIZONTAL: 1"=50'	DATE: 10/09/07
VERTICAL: 1"=10	DRAWN: MEK
	APPROVED: TRW

IWCE
INLAND WEST CIVIL ENGINEERING
CIVIL AND STRUCTURAL CONSULTANTS
SPOKANE, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
CLEVELAND BAY LANE 2 STA. 10+00 - STA. 16+27.58
SPOKANE COUNTY, WASHINGTON

SHEET 19 OF 43
JOB NUMBER 2004-65

P-1786 Eng Lead Drainage

CONSTRUCTION NOTES

1. PROVIDE AND INS ALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INS ALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-7, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
4. PROVIDE AND INS ALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARDS R-1 AND R-76.
5. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL WSDOT 48" TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-10.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-7, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE ROAD DETAIL FOR P.C.C., ASPHALT, AND R.S. INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 7 SHEET 7 (TYP)
9. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
10. PROVIDE AND INSTA. WSDOT 48" TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-10.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-7, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
11. PROVIDE AND INSTA. TYPE "R" TO TYPE "B" CURB TRANSITION PER SPOKANE COUNTY STANDARDS (TYP).
12. PROVIDE AND INSTA. TYPE "R" DRIVEWAY PER SPOKANE COUNTY STANDARD PLAN B-14 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
13. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE. STA 30+94.74 22.28' LT
14. PROVIDE AND INSTA. STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 1-800 424-5555 CALL TWO BUSINESS DAYS BEFORE YOU DIG

STONE HORSE BLUFF LANE "2" SEE SHEET 2

QUARTERHORSE LANE SEE SHEET 30

CLEVELAND BAY LANE "2" SEE SHEET 19

CLEVELAND BAY LANE SEE SHEET 32

PERRY ROAD SEE SHEET 31

PALIMINO LANE SEE SHEET 33

LIMITS OF NEW ASPHALT

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M. SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD	DELTA
C5	1148	157.00	156.89	7°50'00"
C52	30.00	52.38	46.16	100°00'00"
C53	54.00	94.25	82.58	100°00'00"
C54	30.00	52.38	46.16	100°00'00"
C55	20.00	31.42	28.28	90°00'00"
C56	20.00	31.42	28.28	90°00'00"
C57	30.00	46.78	42.18	89°20'35"
C58	30.00	47.53	42.82	90°48'00"
C73	30.00	47.12	42.43	90°00'00"
C74	30.00	46.78	42.18	89°20'35"
C75	23.00	36.14	32.54	90°00'00"
C76	20.00	31.68	28.49	90°48'00"

LINE TABLE

LINE	LENGTH	BEARING
L1	159.44'	N89°48'55"E
L2	197.42'	N89°48'55"E

GRAPHIC SCALE

1 IN. = 50 FT.

1870 LEFT 1860

1870 C/L 1860

1870 RIGHT 1860

1850 LEFT 1840

1850 C/L 1840

1850 RIGHT 1840

EXISTING GROUND

PROPOSED SURFACE

12" STORM

17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/09
ACCEPTANCE NUMBER: 12/4/09
PROJECT LANE MILES: PUBLIC 0.17
PRIVATE 2.69
CONSTRUCTION OBSERVATION AND CERTIFICATION

P-1786

NAVD-88 DATUM

VERTICAL DATUM:
OBJECT DESCRIPTION: SPCC BENCH MARK
DESIGNATION: MONUMENT - INTERSECTION
LOCATION: PERRY AVENUE AND THE NORTH LEG OF THE INTERSECTION OF CLEVELAND BAY LANE AND "STONE HORSE BLUFF ROAD"
ELEVATION: 1840.05 (NAVD 88)

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	BY	REVISIONS
10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
10/3/07	SRR	SUBMITTAL TO SPOKANE COUNTY
10/3/07	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/9/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CIVIL ENGINEERS
CIVIL ENGINEERS, LAND SURVEYORS, PLANNERS
2208 NORTH SOUL PARKWAY
SUITE 201 SPOKANE VALLEY, WA 99212
PH: (509) 922-3307 FAX: (509) 922-3308

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
CLEVELAND BAY LANE 2
STA. 16+27.58 - STA. 32+34.79
SPOKANE COUNTY, WASHINGTON

SHEET 20 OF 43

JOB NUMBER 2004-65

P-1786 Engineer Drainage

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" PVC SDR35 DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD 9 AN A-15
5. PROVIDE AND INSTALL 18" PVC SDR35 DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20.00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR POND, DRYWELL AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYP).
9. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
10. PROVIDE AND INSTALL TYPE "R" TO TYPE "K" CURB TRANSITION PER SPOKANE COUNTY STANDARDS (TYP).
11. PROVIDE AND INSTALL TYPE "B" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-6 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
12. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20.00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
13. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD 9 AN A-16.
14. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE. STA 30+94.74 (11) 22.25' LT.

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 1-800 424-5555 CALL TWO BUSINESS DAYS BEFORE YOU DIG

CLEVELAND BAY LANE — STONE HORSE BLUFF LANE "2" SEE SHEET 21 — QUARTERHORSE LANE SEE SHEET 30 — PERRY ROAD SEE SHEET 31 — PALIMINO LANE SEE SHEET 33

SE 1/4 SECTION 5, T. 25 N., R. 43 E., W.M. SW 1/4 SECTION 4, T. 25 N., R. 43 E., W.M.

CLEVELAND BAY STA 23+87.09=SI STA 101+00.00 QUARTERHORSE LN

CLEVELAND BAY STA 39+37.51=SI STA 17+93.51 PERRY RD

CLEVELAND BAY STA 42+34.79 = STONE HORSE BLUFF LN STA 16+27.58=SI

PERRY RD STA 32+34.79=SI STA 17+94.17 PALIMINO RD

GRAPHIC SCALE (1 IN. = 80 FT.)

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	141.46	137.00	77.35	140.84	59°10'50"
C52	32.36	20.00	20.98	28.96	92°45'06"
C53	34.56	20.00	23.20	30.30	98°56'46"
C54	31.42	20.00	20.00	28.28	90°00'00"
C55	31.42	20.00	20.00	28.28	90°00'00"
C71	48.73	30.00	29.88	42.98	89°20'38"
C72	47.53	30.00	30.11	42.71	90°40'52"
C73	47.47	30.00	30.05	42.67	90°39'29"
C74	46.78	30.00	29.66	42.16	89°20'30"
C75	31.15	20.00	19.74	28.12	89°23'55"
C76	31.68	20.00	20.26	28.47	90°45'05"

PHASE 1

LINE TABLE		
LINE	LENGTH	BEARING
L32	120.47	N89°46'55"E
L34	197.28	N32°46'55"E

1870 LEFT 1860 — 1870 C/L 1860 — 1870 RIGHT 1860

1850 LEFT 1840 — 1850 C/L 1840 — 1850 RIGHT 1840

17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00

SPOKANE COUNTY PUBLIC WORKS OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2004-65
DATE ACCEPTED: 10/10/07
ACCEPTANCE EXPIRES: 10/10/08
PROJECTS LANE MILES: PUBLIC: 2.07 PRIVATE: 2.07
CONSTRUCTION DOCUMENTATION AND CERTIFIED AS-BUILT DRAWINGS, AS-BUILTS OR AS-BUILTS PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
SURETY REQUIRED (ONLY IF "BND")
NOTIFY PUBLIC WORKS 2 WORKING DAYS PRIOR TO CONSTRUCTION

Applies to Phase 1 Designation Only.

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/08/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	.....	SRR	SUBMITTAL TO SPOKANE COUNTY
	10/08	MER	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=80' VERTICAL: 1"=10'

PROJ #: 2004-65 DATE: 10/08/07 DRAWN: MEK APPROVED: TRW

WCE — WHITE CROCHET ENGINEERING — CIVIL TRANSPORTATION ENGINEERING — 1141 N. EDGEMONT, SUITE 101, SPOKANE, WA 99206 PH (509) 892-1000 FAX (509) 892-1001

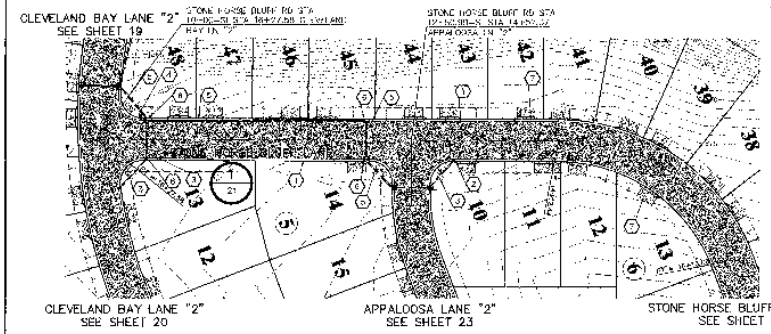
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
CLEVELAND BAY LANE 2
STA. 16+27.58 - STA. 32+34.79
SPOKANE COUNTY, WASHINGTON

SHEET 20 OF 43

JOB NUMBER 2004-65

R-1786 Engineering Drawings

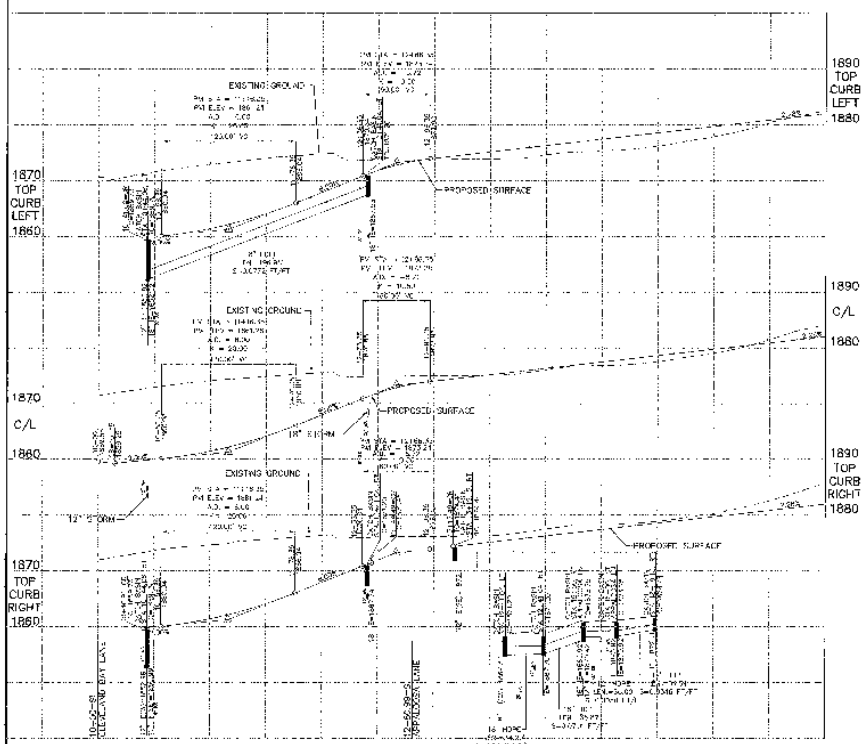
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "M" CURB PER SPOKANE COUNTY STANDARDS.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LEVEL AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LEVEL AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1 AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 18 (TYP).
8. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

: LIMITS OF NEW ASPHALT

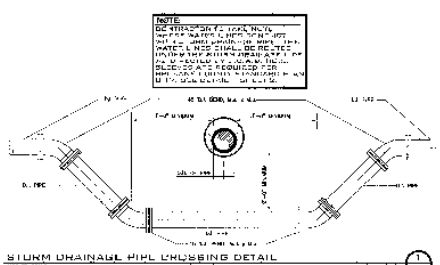


LINE TABLE

LINE	LENGTH	BEARING
L6	44.79'	S69°03'04"E
L17	412.44'	S26°58'56"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C6	241.46'	432.00'	71.35'	140.84'	32°00'50"
C16	88.72'	185.00'	45.20'	87.86'	27°28'04"
C17	248.84'	117.00'	114.47'	198.08'	68°40'06"
C22	32.38'	20.00'	20.98'	28.98'	92°46'08"
C23	34.38'	20.00'	23.70'	30.30'	98°29'40"
C24	31.47'	20.00'	20.00'	28.32'	90°08'31"
C25	31.47'	20.00'	20.00'	28.32'	90°08'31"



SPOKANE COUNTY PUBLIC WORKS
CONSTRUCTION PLANS
PROJECT # P1786
DATE ACCEPTABLE 10/31/07
ACCEPTANCE NOTES
PROJECT LANE MILES: PUBLIC 0.17
PROJECT LANE MILES: PRIVATE 0.22
CONSTRUCTION AND DESIGN
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. IT IS THE OWNERS RESPONSIBILITY TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
FINAL ACCEPTANCE
THIS PROJECT IS ACCEPTED FOR MAINTENANCE BY SPOKANE COUNTY.

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/31/07
DATE

NO.	DATE	BY	REVISIONS
	10/8/07	JNA	DYLAN SUBMITTAL TO SPOKANE COUNTY
	------	------	MAT SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
ALL PERSONS SHALL COMPLY WITH THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA) AND REGULATIONS PROMULGATED THEREUNDER. IT SHALL BE THE RESPONSIBILITY OF EACH EMPLOYER TO ENSURE THAT HIS EMPLOYEES COMPLY WITH THESE REQUIREMENTS.

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
STONE HORSE BLUFF LANE 2
STA. 10+00 - STA. 16+50
SPOKANE COUNTY, WASHINGTON

SHEET 21 OF 43
JOB NUMBER 2004-65

P 1786 Eng Road-Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M. SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYP. "R" CURB PER SPOKANE COUNTY STANDARD
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL SIGN-KIT AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A 16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL M.S.C.D.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE PROFILE DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS SEE DETAIL 1 SHEET 2 (TYP).
9. PROVIDE AND INSTALL TYPE 1 CURB PER SPOKANE COUNTY STANDARD PLAN A 4, SEE PROFILE FOR STATION AND ELEVATION (TYP).
10. PROVIDE AND INSTALL M.S.C.D.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
11. PROVIDE AND INSTALL TYPE D CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-6.
12. REMOVE AND REPLACE IF DAMAGED SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A 4.
13. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN IN PROFILE.
14. REMOVE AND REPLACE TYPE B CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C6	72.10	400.00	36.09	72.01	10°19'41"
C9	72.10	400.00	36.09	72.00	10°19'38"

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C43	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C44	33.25	20.00	21.92	30.55	95°14'52"
C45	31.42	20.00	20.00	28.28	90°00'00"
C61	44.25	20.00	27.37	36.01	84°49'01"
C62	49.41	20.00	32.38	42.87	90°24'58"
C63	46.75	20.00	29.69	42.0	89°30'32"
C64	39.25	20.00	23.80	44.00	86°56'04"
C65	31.15	20.00	19.74	28.10	89°14'52"
C66	31.69	20.00	20.56	28.47	90°45'08"
C67	31.15	20.00	19.74	28.10	89°14'52"
C68	31.68	20.00	20.28	28.47	90°47'08"
C86	31.42	20.00	20.00	28.28	90°00'00"
C86	31.42	20.00	20.00	28.28	90°00'00"

LINE TABLE		
LINE	LENGTH	BEARING
L2	330.16	N89°48'30"W
L14	946.90	N89°48'30"W

LIMITS OF NEW ASPHALT

PINTO LANE SEE SHEET 27

SHETLAND LANE SEE SHEET 26

PERRY ROAD SEE SHEET 32

PALMINO LANE SEE SHEET 34

STONE HORSE BLUFF LANE "2" SEE SHEET 21

QUARTERHORSE LANE SEE SHEET 30

STONE HORSE BLUFF RD STA 12+83.47=SI STA 10+65.00 PINTO LN

STONE HORSE BLUFF RD STA 20+83.46=SI STA 15+74.00 QUARTERHORSE LN

STONE HORSE BLUFF RD STA 27+22.76=SI STA 23+21.17 PERRY RD

STONE HORSE BLUFF RD STA 37+52.91=SI STA 32+97.65 PALMINO LN

NOTE: OFFSITE CENTER STREET TO BE INCLUDED IN R.I.D. PER SPOKANE COUNTY

GRAPHIC SCALE

EXISTING GROUND

PROPOSED SURFACE

1880 TOP CURB LEFT 1870

1880 TOP CURB RIGHT 1870

1880 C/L 1870

STONE HORSE BLUFF LANE

CENTER LANE

17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 27+00 28+00 29+00 30+00

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC EQUIVALENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 9/24/07
ACCEPTANCE EXPIRES: 9/24/09
PROJECTS LANE & LES: FLOOD: AH
PROJECT LAND MEETS PROVISIONS: 2.61

CONSTRUCTION OCCUPATION ON AND BEYOND RECORD DRAWINGS, AS-BUILTS, ARE REQUIRED PRIOR TO FINAL ACCEPTANCE AND "NOTICE OF TOP" ROADS AND DRAINAGE, INCLUDING ALL MAINTENANCE.

NOTE: PLANS SUBMITTED ARE CONSIDERED "READY TO CONSTRUCTION"

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 1-800 424-5555 CALL TWO BUSINESS DAYS BEFORE YOU DIG

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07 DATE

REVISIONS		
NO.	BY	
10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
-----	MAT	SUBMITTAL TO SPOKANE COUNTY
10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MFK
APPROVED: TRW

WCE
WILSON ENGINEERING LLC
CIVIL • LAND DEVELOPMENT • SURVEYING
2208 NORTH MURIANA ROAD
SPOKANE VALLEY, WA 99212-2778
(509) 924-9266 FAX (509) 926-0269

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
STONE HORSE BLUFF LANE 2 STA. 16+50 - STA. 27+22.76
CENTER STREET STA. 27+22.76 - 30+52.92
SPOKANE COUNTY, WASHINGTON

SHEET 22 OF 43
JOB NUMBER 2004-65

P-1786 Eng Land Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M. SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

CURVE TABLE					
CURVE	LENGTH	RADIUS	LONG CH	CHORD	DELTA
C8	72.10	400.00	36.15	72.01	10°19'41"
C9	72.10	400.00	36.15	72.00	10°19'38"

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C42	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C44	33.25	20.00	21.82	29.55	95°14'27"
C45	31.42	20.00	20.00	28.28	90°00'00"
C61	44.28	30.00	27.27	40.36	84°32'21"
C62	47.47	31.00	30.35	42.87	87°39'29"
C63	46.78	30.00	29.66	42.19	89°20'16"
C64	50.78	30.00	33.90	44.93	96°58'54"
C65	31.15	20.00	19.74	28.10	89°14'52"
C66	31.68	20.00	20.26	28.47	90°45'08"
C67	31.5	20.00	19.74	28.10	89°14'52"
C68	31.68	20.00	20.26	28.47	90°45'08"
C69	31.42	20.00	20.00	28.28	90°00'00"
C89	31.42	20.00	20.00	28.28	90°00'00"

LINE TABLE		
LINE	LENGTH	BEARING
L12	330.16	N89°46'52"E
L14	940.40	N89°46'52"E

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CA CH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-5, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN D-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE SHEET 3 SHEET 4 (TYP).
9. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. SEE PROFILE FOR STATION AND ELEVATION (TYP).
10. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.60-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
11. PROVIDE AND INSTALL TYPE R CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
12. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
13. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN IN PROFILE.
14. PROVIDE AND INSTALL TYPE B CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

JM IS OF NEW ASPHALT

PINTO LANE SEE SHEET 27

SHETLAND LANE SEE SHEET 26

PERRY ROAD SEE SHEET 32

STONE HORSE BLUFF RD STA 27+22.76=91 STA 33+21.17 PERRY RD

PALUMINO LANE SEE SHEET 34

CENTER ST STA 29+20.91=SI STA 22+91.85 PALUMINO LN

STONE HORSE BLUFF LANE "2" SEE SHEET 21

STONE HORSE BLUFF LANE "2"

STONE HORSE BLUFF RD STA 15+00.00 PINTO LN

STONE HORSE BLUFF RD STA 20+10.00=SI STA 15+14.00 QUARTERHORSE LA

QUARTERHORSE LANE SEE SHEET 30

STONE HORSE BLUFF RD STA 21+50.00=SI STA 16+50.00 SHETLAND LN

PERRY ROAD SEE SHEET 32

PHASE 1

CENTER STREET

PALUMINO LANE SEE SHEET 34

NOTE: OFFSITE CENTER STREET TO BE INCLUDED IN R.I.D. PER SPOKANE COUNTY

GRAPHIC SCALE

1 inch = 50 ft.

-PHASE 1-

EXISTING GROUND

PROPOSED SURFACE

1880 TOP CURB LEFT 1870

1880 TOP CURB RIGHT 1870

1880 C/L 1870

12" HDPE S=0.0217

18" STORM

12" STORM

-PHASE 1-

17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 27+00 28+00 29+00 30+00

STONE HORSE BLUFF LANE

CENTER LANE

SPOKANE COUNTY ENGINEER
ORIGINAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES: 10/4/08 or 2/1/10
PROJECTS LANE MILES: PLS IS: 2.07
PROJECT LANE MILES PROVIDED: 2.69
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
DUANE WILKERSON (509) 477-3600
NOTIFY PUBLIC WORKS 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

Applies to Phase 1 Designation only.

3/5/12

NAVD-88 DATUM
VERTICAL DATUM
BASED ON STATIC GPS OBSERVATIONS ON THE SPOKANE COUNTY GPS CONTROL NETWORK
ELEV = 1936.35 NAVD-88

DEVELOPER'S APPROVAL

10/24/07
DATE

NO	DATE	BY	REVISIONS
	10/8/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/06	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

WCE
WHITE CROSTHWAITE ENGINEERING
SURVEYING • PLANNING • CIVIL ENGINEERING
904 WEST FIRST AVENUE, SPOKANE, WA 99201
PHONE (509) 838-8035 FAX (509) 838-8036

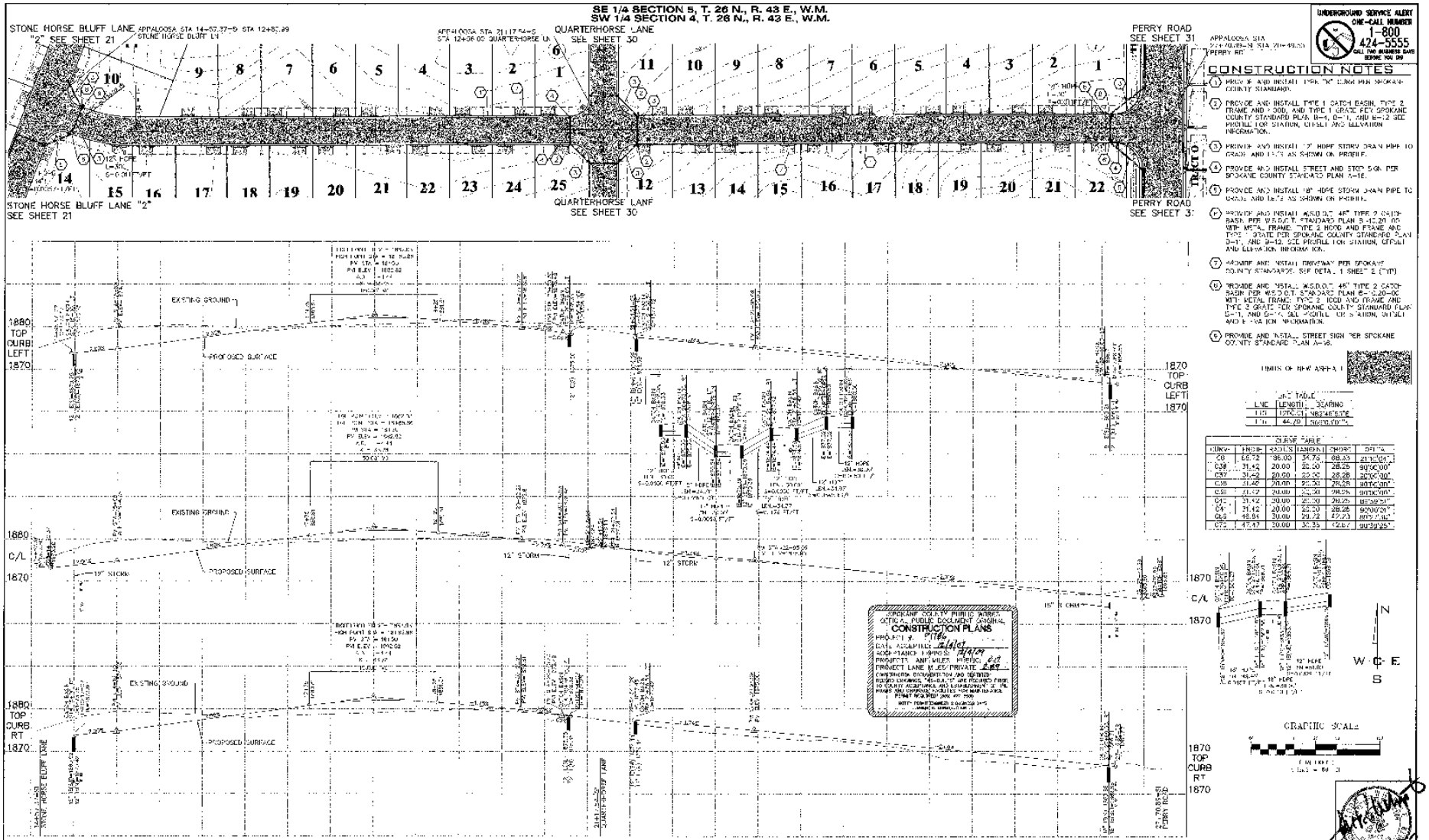
P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
STONE HORSE BLUFF LANE 2 STA. 16+50 - STA. 27+22.76
CENTER STREET STA. 27+22.76 - 30+52.92
SPOKANE COUNTY, WASHINGTON

SHEET 22 OF 43

JOB NUMBER 2004-65

P-1786 Engineering



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "M" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET END STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-12.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYP)
8. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-12.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.

LIMITS OF R/W ASPEN 1

LINE TABLE		
LINE	LENGTH	BEARING
L15	12.00	S00°00'00"E
L16	44.29	S00°00'00"E

CURVE TABLE					
CURV	RADIUS	LENGTH	CHORD	DELTA
C8	66.72	96.00	34.75	68.33	21°10'01"
C36	31.42	20.00	20.00	28.28	90°00'00"
C37	31.42	20.00	20.00	28.28	90°00'00"
C38	31.42	20.00	20.00	28.28	90°00'00"
C39	31.42	20.00	20.00	28.28	90°00'00"
C40	31.42	20.00	20.00	28.28	90°00'00"
C4	31.42	20.00	20.00	28.28	90°00'00"
C46	48.84	30.00	29.02	47.23	93°15'16"
C75	47.47	30.00	30.35	42.67	90°39'25"

NAVD-88 DATUM
VERTICAL DATUM
ASSUMED ELEVATION OF CENTERLINE
AT INTERSECTION OF THE INTERSECTION
POINT NO. 5 AND PARAPET LINE 1.00
ELEV. = 1870.00 (ASSUMED)

DEVELOPER'S APPROVAL — DATE 10/24/07

NO	DATE	BY	REVISIONS
	10/3/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	SUBMITTAL TO SPOKANE COUNTY
			ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

PROJ #: 2004-65
DATE: 10/03/07
DRAWN: MEK
APPROVED: TRW

IWCE
W. 12100 QUALITY WAY, SPOKANE VALLEY, WA 99216
509.927.9700 FAX 509.927.9701
SURVEYING • PLANNING • CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE

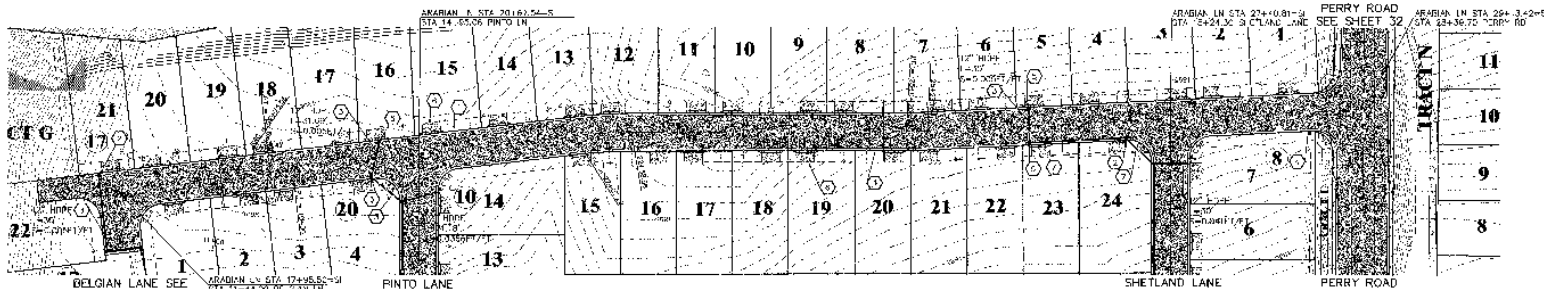
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
APPALOOSA LANE 2 STA. 14+57.37- STA. 27+70.89
SPOKANE COUNTY, WASHINGTON

SHEET 23 OF 43
JOB NUMBER 2004-65

P-1786 Eng Road Drawings

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



CONSTRUCTION NOTES

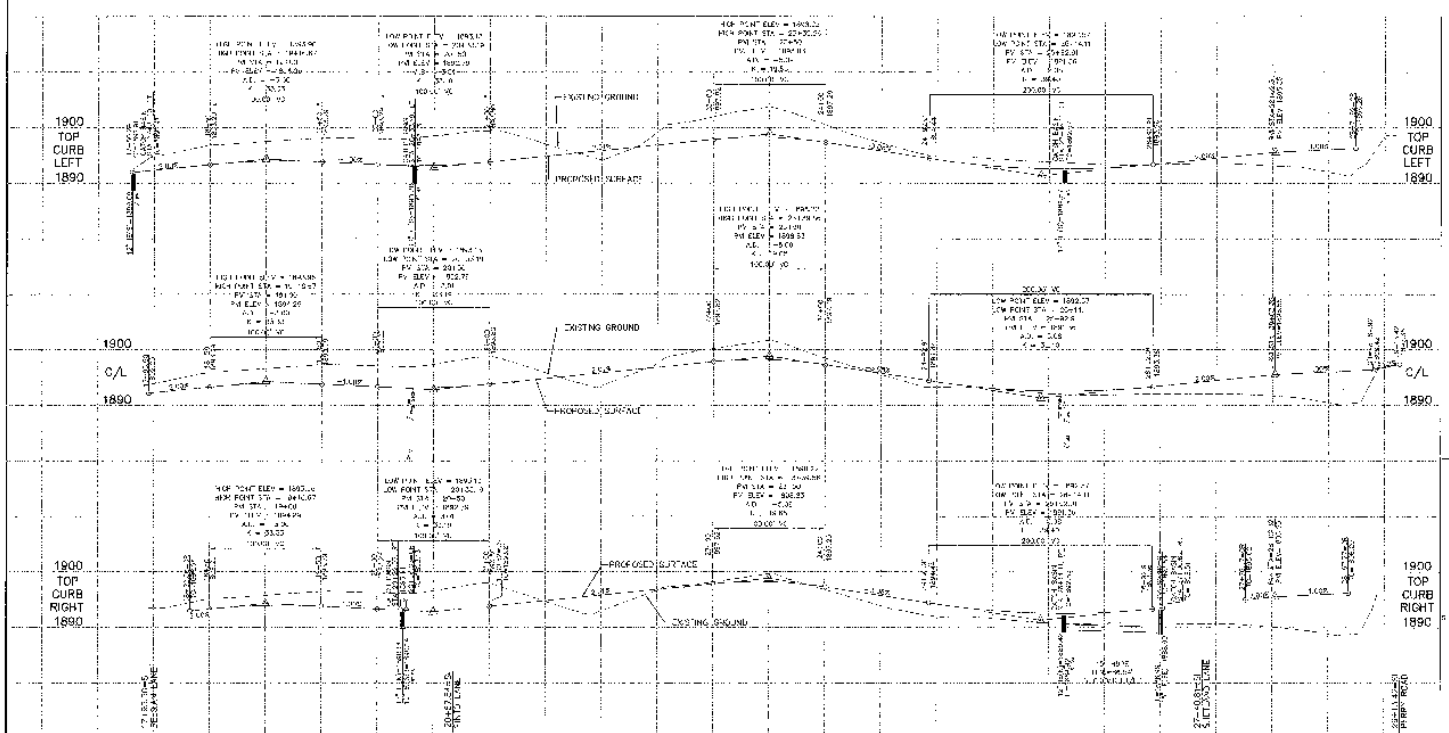
1. REMOVE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" I.D.P.E. STORM DRAIN PIPE TO GRADE AND LF'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A 18.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS SEE DETAIL 1 SHEET 2 (TYP.).
7. PROVIDE AND INSTALL 10" HDPE STORM DRAIN PIPE TO GRADE AND LF'S AS SHOWN ON PROFILE.

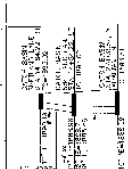
LINE TABLE

LINE	LENGTH	BEARING
L26	272.04	S89°21'47"W
L27	136.66	S89°21'47"W
L28	94.64	N89°38'53"E
L29	190.26	N87°11'03"E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C12	51.38	477.50	25.72	51.35	6°24'4"
C13	16.66	416.00	8.33	16.65	2°18'23"
C24	31.42	20.00	20.00	28.28	90°00'00"
C25	53.71	22.00	22.44	39.56	98°54'41"
C26	98.7	93.00	12.81	96.61	60°48'16"
C27	22.32	22.00	20.93	28.97	58°06'54"
C58	30.61	22.00	19.31	27.04	87°24'26"
C59	29.45	22.00	18.15	26.69	84°26'28"
C60	32.95	22.00	21.17	29.08	84°18'8"





N
W E
S
GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFF C.A. PUBLIC EASEMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 10/24/07
ACCEPTANCE EXPIRES: 10/24/09
PROJECT LANE MILES: PUBLIC 2.11
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION INSPECTION AND SERVICES PROVIDED BY [illegible] ARE TO BE PERFORMED IN STRICT CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE IMPROVEMENTS SHOWN HEREON. SPOKANE COUNTY ASSUMES NO RESPONSIBILITY FOR THE CONSTRUCTION SUPERVISION OR ADEQUACY OF THE PLANS AND SPECIFICATIONS.
[illegible] SPOKANE COUNTY ENGINEER

EXPIRES 9/30/2009

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO	DATE	BY	REVISIONS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	MAT SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1 = 50'
VERTICAL: 1 = 10'

PROJ #: 2001-56
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WESTERN CIVIL ENGINEERS
CIVIL · STRUCTURAL · SITE DESIGNERS
[illegible]

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
ARABIAN LANE 2 STA. 17+95.50 - STA. 29+13.42
SPOKANE COUNTY, WASHINGTON

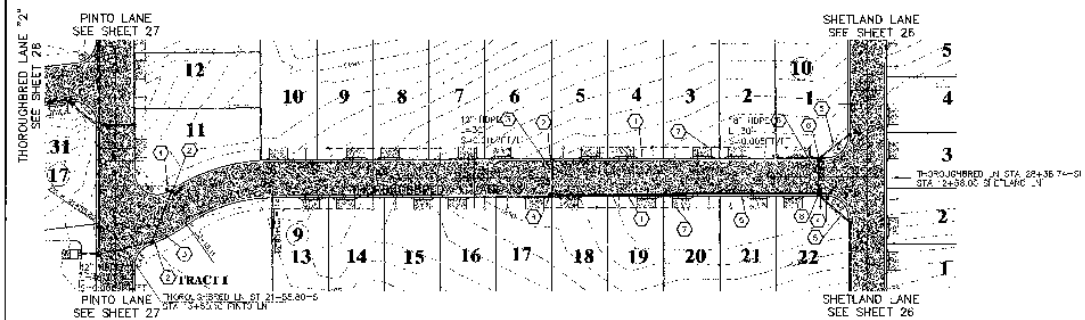
SHEET
24 OF 43

JOB NUMBER
2004-65

P-1786

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



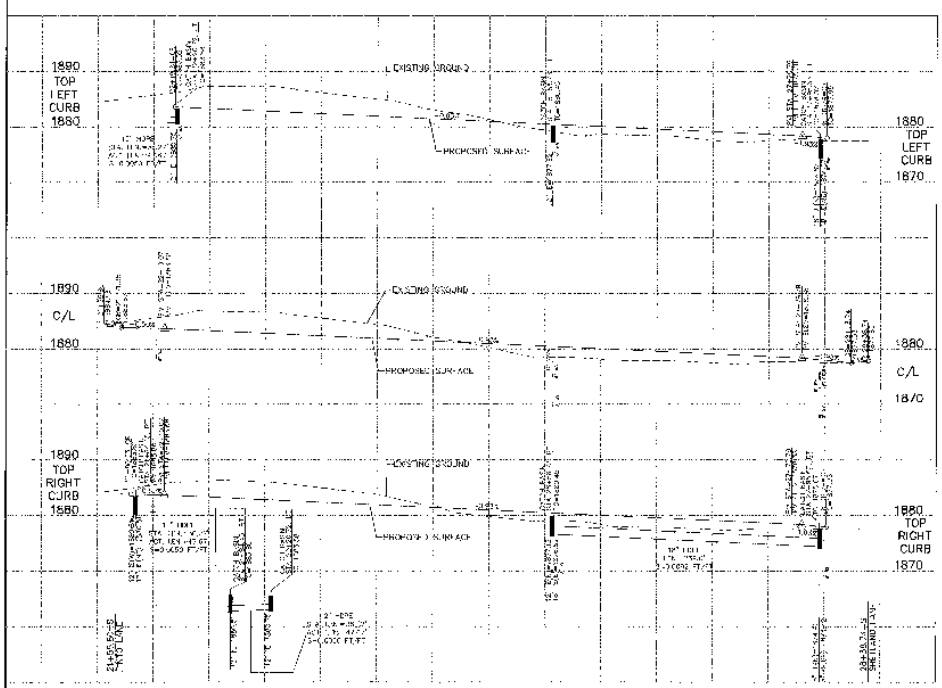
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYP. "M" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN 3-4, D-11, AND D-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN E-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL M.S.D.S.D., 48" TYPE 2 CATCH BASIN PER M.S.D.S.D. STANDARD PLAN M-10.020-00 WITH SOLID LOCKING LID, TYPE 2 FRAME AND GRATE AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYP).
8. PROVIDE AND INSTALL M.S.D.S.D., 48" TYPE 2 CATCH BASIN PER M.S.D.S.D. STANDARD PLAN M-10.020-00 WITH SOLID LOCKING LID, TYPE 2 FRAME AND GRATE AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L21	522.00	N89°16'26"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C10	91.63	150.00	47.39	90.2'	35°00'00"
C11	69.71	100.00	36.26	68.32	39°56'37"
C46	31.42	20.00	20.00	28.28	90°00'00"
C47	31.42	20.00	20.00	28.28	90°00'00"
C48	9.58	25.00	4.86	9.48	21°57'23"
C49	43.00	20.00	37.18	36.02	123°12'10"



N
W E
S
GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL FILE DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS LANE MILES PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 2.89
SUBDIVISION DEDICATION AND CERTIFICATE
STREET DRAWINGS, SPECIFICATIONS AND ESTIMATE PRIOR TO COUNTY ACCEPTANCE ARE ESTIMATE ONLY. IF 100-YR STORM DRAINAGE FACILITIES FOR SUBDIVISION EXCEED 10 CFS, SEE SPOKANE COUNTY STANDARDS FOR ADDITIONAL REQUIREMENTS.

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/24/07 DATE

NO.	BY	REVISIONS
10/07	ERR	MYLAR SUBMITTAL TO SPOKANE COUNTY
10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'
PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

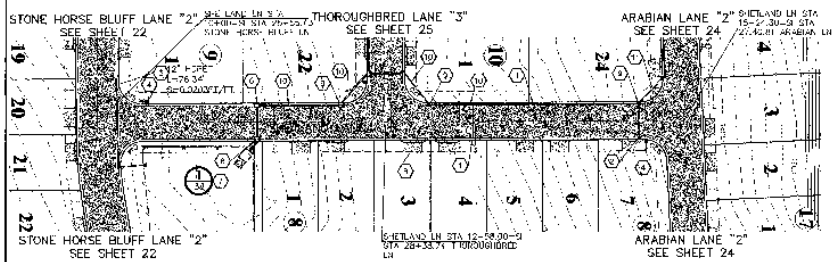
WCE
A PROFESSIONAL SERVICES CORPORATION
CIVIL • STRUCTURAL • ENVIRONMENTAL
SPOKANE, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
THOROUGHBRED LANE 3
STA. 21+55.80 - STA. 28+38.74
SPOKANE COUNTY, WASHINGTON

SHEET 25 OF 43
JOB NUMBER 2004-65

P-1786 Engineered Drawings

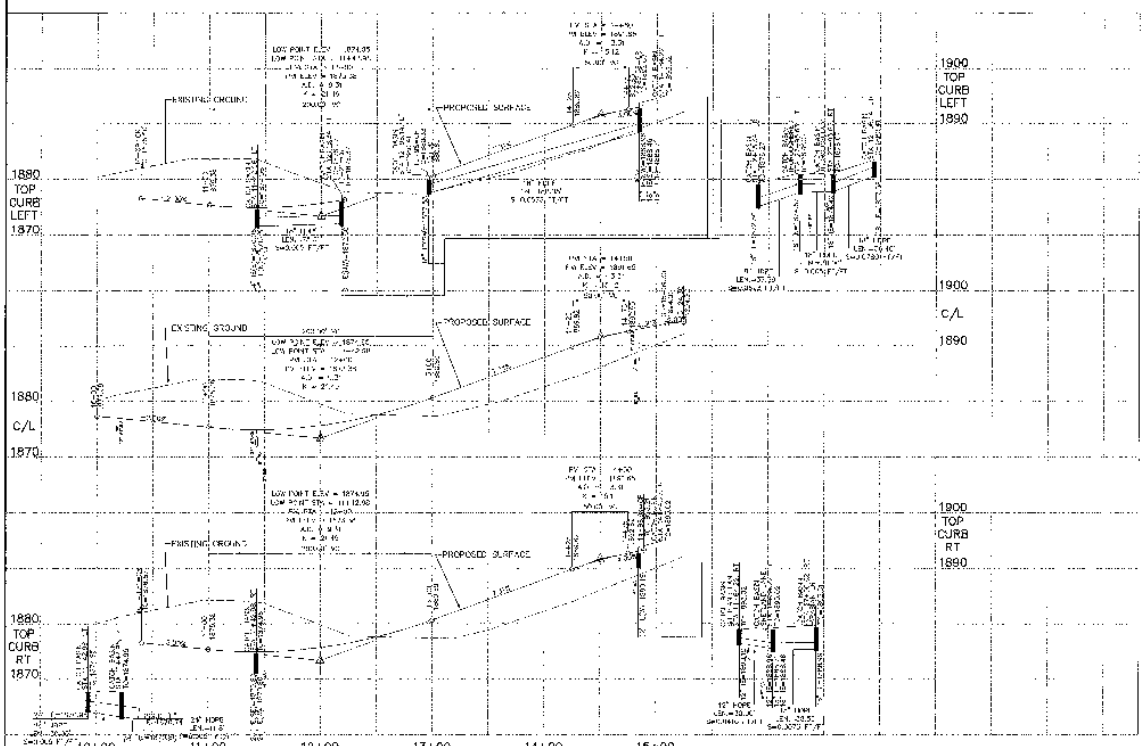
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL "TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS (TYP).
9. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
10. PROVIDE AND INSTALL 8" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
11. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.
12. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN ON PROFILE.

LIMITS OF NEW ASPHALT



LINE TABLE

LINE	LENGTH	BEARING
L19	256.01	S00°01'00"E
L20	268.30	N00°29'58"W
L29	360.26	N87°17'22"E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C8	72.15	400.00	36.15	72.01	10°19'24"
C44	33.76	20.00	21.89	29.65	96°43'27"
C45	31.42	20.00	20.00	28.28	90°00'00"
C46	31.42	20.00	20.00	28.28	90°00'00"
C47	31.42	20.00	20.00	28.28	90°00'00"
C77	32.32	22.00	20.93	29.92	92°35'54"
C78	30.31	25.00	19.11	27.64	87°24'06"

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

SPOKANE COUNTY DEPARTMENT OF ENGINEERING
OFFICIAL "AS-BUILT" DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
CONSTRUCTION CONTRACT: 12/4/07
PROJECTS LANE MILES: PUBLIC: 0.17
PRIVATE LANE MILES PRIVATE: 2.89
CONSTRUCTION DOCUMENTATION AND CONTRACT DRAWING "AS-BUILT" INFORMATION HAS BEEN SUBMITTED BY CONTRACTOR AND ESTABLISHED ACCEPTANCE OF THE ROADS AND STORMWATER FACILITIES FOR MAINTENANCE
"NONE" REQUIRED (Not Applicable)
"AS-BUILT" INFORMATION RECEIVED WITH LETTER TO CONSTRUCTION

NAVD-88 DATUM
VERTICAL DATUM
BASED ON CONTROL POINT STONE HORSE BLUFF 2 AS SHOWN ON RECORD SURVEY FOR SECTION 4 AND 5 T26N R43E
BENCH MARK ELEVATION 1,900.00 FEET
DESCRIPTION OF BENCH MARK
P&K NAIL AND WASHER FLUSH
DEV. ELEVATION 1,900.00

DEVELOPER'S APPROVAL — 10/24/07 DATE

NO	DATE	BY	REVISIONS
	10/9/07	SRP	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1"=10'

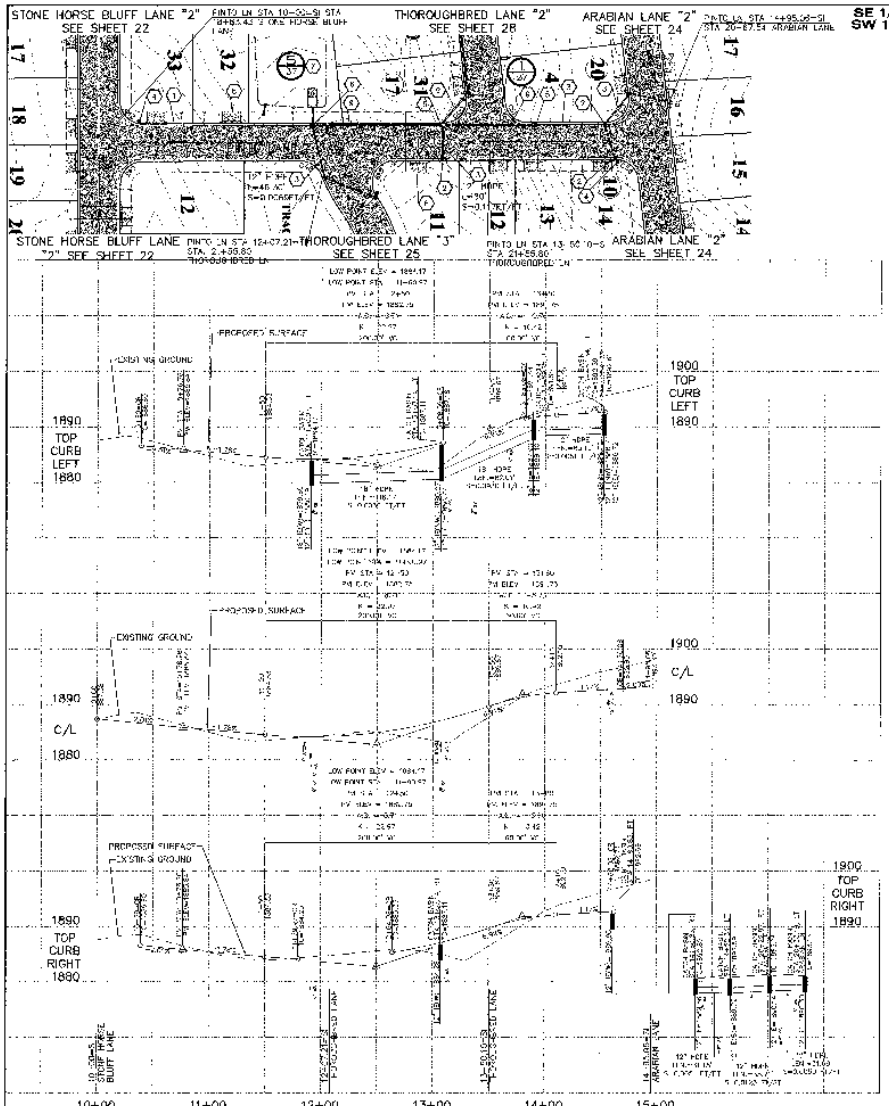
PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

WCE
CIVIL ENGINEERS
LAND SURVEYORS
SPOKANE, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
SHETLAND LANE STA. 10+00 - STA. 15+24.30
SPOKANE COUNTY, WASHINGTON

SHEET 26 OF 43
JOB NUMBER 2004-65

P-1786
Eng Road Drainage



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "A" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-10.
5. PROVIDE AND INSTALL MANHOLE, AND TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN A-10.20, OR WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL MANHOLE, 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN A-10.20, OR WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-1, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL SHEET 2 (DW2).
9. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.

LIMITS OF NEW ASPHALT

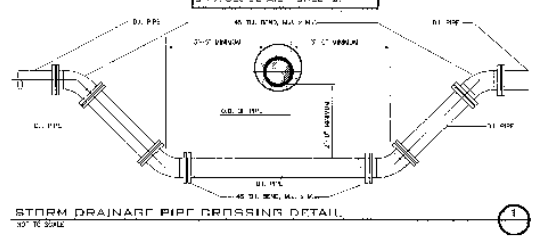
LINE TABLE

NO	LENGTH	BEARING
L22	498.04	SOUTH 3°09'E.

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C42	31.42	20.00	20.00	28.28	90°00'00"
C43	31.42	20.00	20.00	28.28	90°00'00"
C48	23.65	20.00	13.77	22.46	68°19'23"
C49	43.08	20.00	31.06	36.29	123°23'16"
C50	33.7	20.00	22.46	29.80	96°24'41"
C51	29.12	20.00	7.83	28.61	83°2516"
C55	33.7	20.00	22.46	29.80	96°24'41"
C56	29.12	20.00	7.83	28.61	83°2516"

NOTE:
CONTRACTOR TO TAKE NOTE OF EXISTING WATER LINE CROSSING THE STORM DRAINAGE LINE. THE WATER LINES SHALL BE BUILT UNDER THE STORM DRAINAGE PIPE AS DIRECTED BY ENGR'S REP. SLEEVES ARE TO BE USED PER SPOKANE COUNTY STANDARD PLAN [illegible] SEE DETAIL "E".



STORM DRAINAGE PIPE CROSSING DETAIL
30" = 1'-0" SCALE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL "CLOSE OUT" DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 11/14/07
ACCEPTANCE EXPIRES: 11/14/09
PROJECT LANE MILES ADDED: 2.17
PROJECT LANE MILES REMOVED: 2.84
CONSTRUCTION DOCUMENTATION ARE CONTAINED BEHIND THIS SHEET IN THE COUNTY CONSTRUCT DOCUMENT ORIGINAL PART OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
REPORT DOCUMENTATION NUMBER
NOTIFY PUBLIC WORKS 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

NORTH
GRAPHIC SCALE
(IN FEET)
1 INCH = 50 FT.

NAVD-88 DATUM
VERTICAL DATUM
WASHINGTEST DPW STATION 0+00 ST 1 FT IN ASSOCIATION WITH ALTITUDE MONUMENT
LOCATION OF LINE IN CONSTRUCTION
ASSUMED ELEVATION AT BEGINNING
5 FT = 1500.00 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/08	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

PROJ #: 2004-66
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
IN-FILE CONSULTING ENGINEERS

P-1786

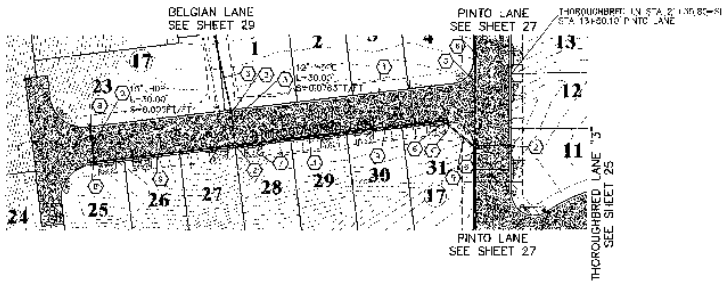
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PINTO LANE STA. 10+00 - STA. 14+95.06
SPOKANE COUNTY, WASHINGTON

SHEET
27 OF 43
JOB NUMBER
2004-66

P-1786
Engineered Drawings

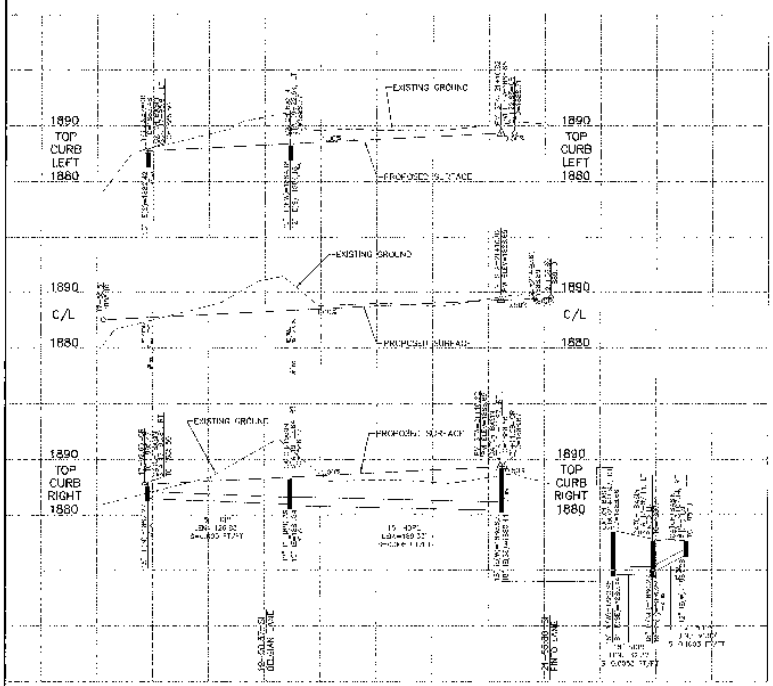
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS BEFORE YOU DIG



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYP).
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
9. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.



LIMITS OF NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L23	259.44	S 83°12'41"E
L27	74.86	S83°12'41"E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C45	43.58	30.00	27.16	39.93	83°12'41"
C53	13.7	20.00	7.44	25.18	39°24'31"
C5	29.12	20.00	17.83	26.6	83°25'9"
C36	47.12	30.00	30.00	42.43	90°00'00"
C47	47.12	30.00	30.00	42.43	90°00'00"

N
W E
S
GRAPHIC SCALE
1 inch = 60 ft.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2006
DATE ACCEPTED: 12/6/07
ACCEPTANCE EXPIRES: 12/6/09
PROJECT ENGINEER: [illegible]
PROJECT LANE MILES PRIVATE: 2.64
CONSTRUCTION OBSERVATION AND REPORTS
RECORD DRAWINGS, AS BUILT AND SURVEY MUST BE FURNISHED BEFORE ACCEPTANCE AND ENFORCEMENT OF THE BONDS AND ORDINANCE FOR ROADS AND DRAINAGE FACILITIES FOR SUBDIVISIONS
PRINT ENLARGED (440 mm)
NOTE: PRIME ENGINEER & SURVEYOR TIED TO CORNERS

NAVD-88 DATUM

DEVELOPER'S APPROVAL

12/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/3/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=60
VERTICAL: 1"=10

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

IWCE
INTERWEST CONSULTANTS INC.
CIVIL AND TRANSPORTATION ENGINEERING
SPOKANE, WASHINGTON

P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
THOROUGHBRED LANE 2
STA. 17+55.51 - STA. 21+55.80
SPOKANE COUNTY, WASHINGTON

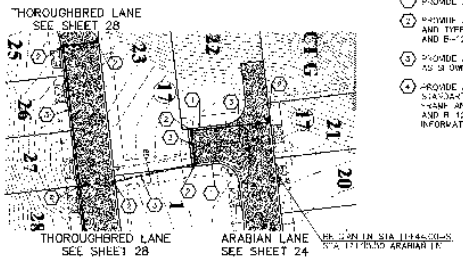
SHEET
28 OF 43

JOB NUMBER
2004-65

P-1786 Engineered Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL THIS BUSINESS DAYS BEFORE YOU DIG



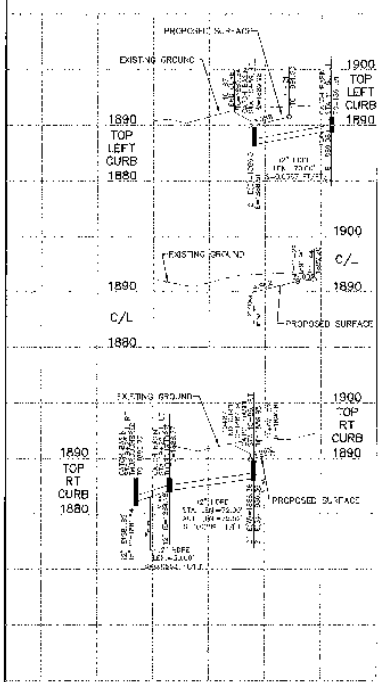
CONSTRUCTION NOTES

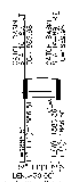
1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN F-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 WITH MS AL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

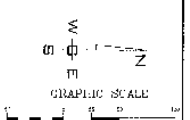
LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L25	35.00	506°47'46"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C54	31.42	20.00	20.00	28.28	90°00'00"
C55	33.7	20.00	22.44	29.86	96°34'41"
C56	29.12	20.00	17.83	26.61	83°25'19"







SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE CERTIFIED: 12/4/07
PROJECTS LANE MILES: PUBLIC: 0.13
PROJECT LANE MILES PRIVATE: 2.89
CONSTRUCTION DOCUMENTATION AND CERTIFIED SPOKANE DRAWINGS, TOGETHER WITH SUBSEQUENT REVISIONS, COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE SPOKANE AND DRAINAGE FACILITIES FOR MAINTENANCE. PERMIT REQUIRED FOR ANY CHANGE.
NOT TO BE USED FOR CONSTRUCTION

P-1786

NAVD-88 DATUM
VERTICAL DATUM:
SPECIFIED BASED ON SPOKANE COUNTY BENCH MARK 19
A CONCRETE MARK AT THE NORTHWEST CORNER OF THE INTERSECTION OF ALBERT ROAD AND ARABIAN LANE.
ELEV = 2,800.16 (NAVD 88)

DEVELOPER'S APPROVAL 10/24/07 DATE

NO.	DATE	BY	REVISIONS
	10/8/07	SRB	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=60'
VERTICAL: 1"=10

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

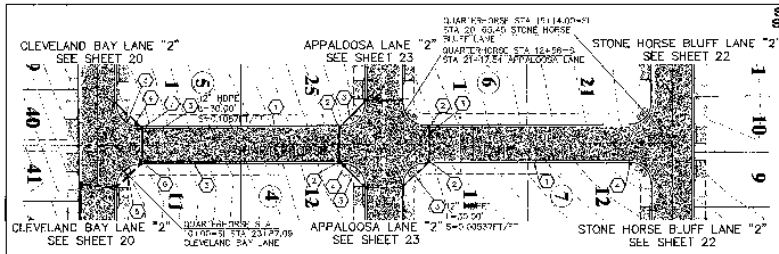
WCE
WILLIAM C. ENGLUND & ASSOCIATES
CIVIL AND TRANSPORTATION ENGINEERING
PROFESSIONAL ENGINEERING
LAND SURVEYING
PHONE: 509-327-7097

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
BELGIAN LANE STA. 10+00 - STA. 11+44
SPOKANE COUNTY, WASHINGTON

SHEET 29 OF 43
JOB NUMBER 2004-65

P-1786 Englood Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



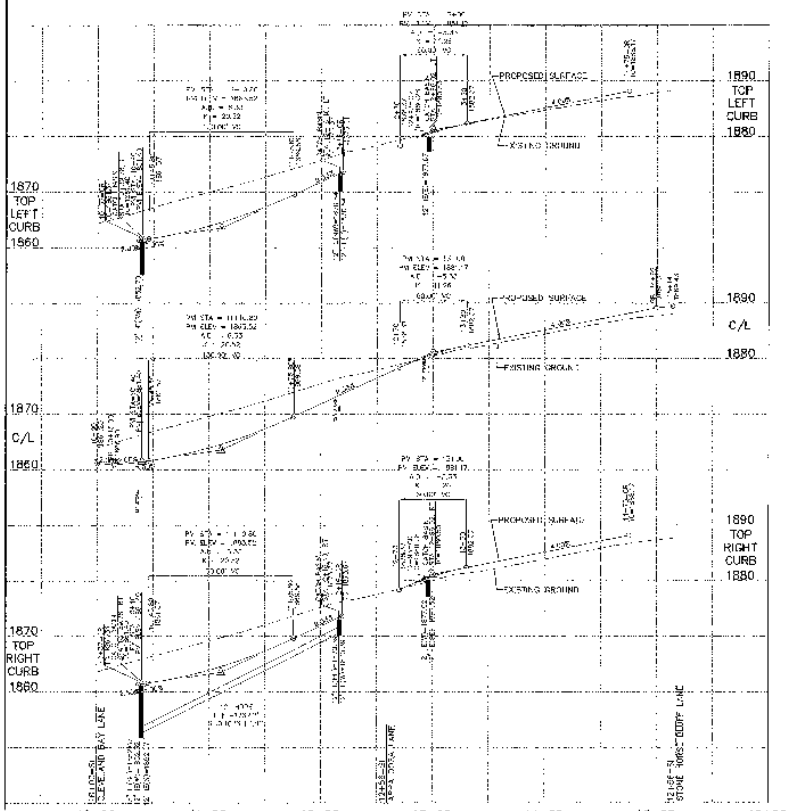
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN 2-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" PLASTIC STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16
5. PROVIDE AND INSTALL 18" PLASTIC STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B 6.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE #	LENGTH	BEARING
L14	514.02	N00°30'05"W

CURVE TABLE					
CURVE #	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C30	31.42	20.00	20.00	28.28	90°00'00"
C31	31.42	20.00	20.00	28.28	90°00'00"
C36	31.42	20.00	20.00	28.28	90°00'00"
C37	31.42	20.00	20.00	28.28	90°00'00"
C38	31.42	20.00	20.00	28.28	90°00'00"
C39	31.42	20.00	20.00	28.28	90°00'00"
C58	31.42	20.00	20.00	28.28	90°00'00"
C59	31.42	20.00	20.00	28.28	90°00'00"



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/12/07
ACCEPTANCE EXPIRES: 12/12/09
PROJECTS LANE MILES, PUBLIC 0.47
PROJECT LANE MILES, PRIVATE 1.97
CONSTRUCTION ORIENTATION AND DETAILS
ROUND CORNERS TO BULB OF CUL-DE-SACS
DRAINAGE FACILITIES FOR MAINTENANCE
POINT REQUIRED (YES or NO)
NOTE: PRIOR PERMIT 2 YEARS FROM
ISSUE TO CONSTRUCTION

EXPIRES: 8/24/2011

NAVD-88 DATUM

DEVELOPERS APPROVAL — DATE 10/24/07

NO	DATE	BY	REVISIONS
	10/8/07	SBR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1 - 50
VERTICAL: 1 - 10

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

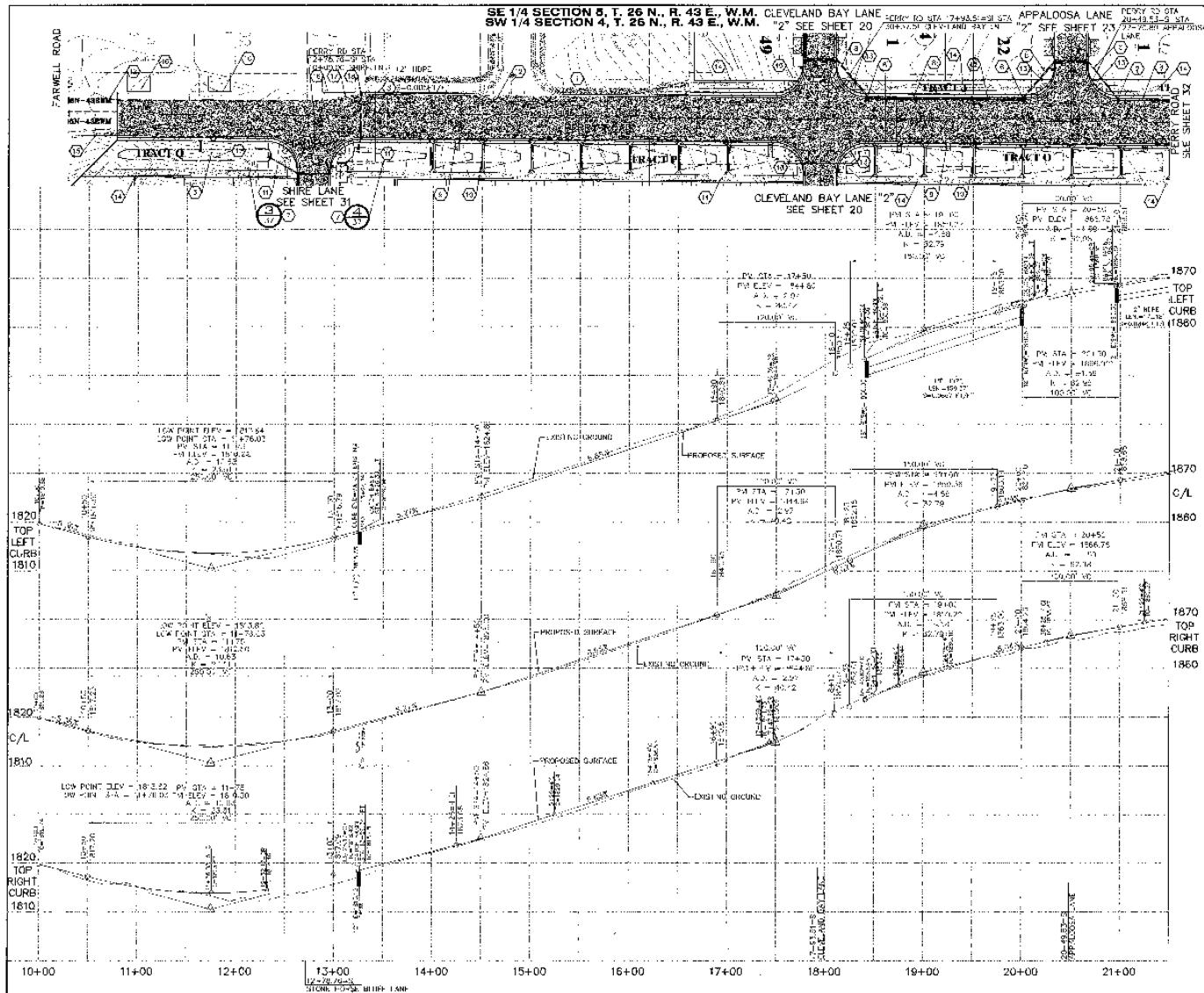
P-1786

WCE
WHITLAM CIVIL ENGINEERING, INC.
LAND USE PLANNING/DEVELOPMENT
2626 NORTH BELT ST.
SPOKANE VALLEY, WA 99212
PH: (509) 891-1141 FAX: (509) 926-0227

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
QUARTERHORSE LANE STA. 10+00 - STA. 15+14
SPOKANE COUNTY, WASHINGTON

SHEET
30 OF 43
JOB NUMBER
2004-65

P1786 England Drainage



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARDS.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN S-4, D-11, AND D-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LINE AS SHOWN ON PROFILE.
4. NOT USED.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN S-4, D-11, AND D-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL 36"X36"X4'-0" TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-30.20-00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN S-4, D-11, AND D-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR P.A.S., DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LINE AS SHOWN ON PROFILE.
9. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN S-5. SEE PROFILE FOR STATION AND OFFSET (TYP).
10. PROVIDE AND INSTALL CHECK DAM PER SPOKANE COUNTY STANDARD PLANS. SEE DETAIL 6 SHEET 30 (TYP).
11. PROVIDE AND INSTALL R-8 RIP RAP PAD PER SPOKANE COUNTY STANDARDS. SEE DETAIL THIS SHEET AND DETAIL 3 SHEET 30
12. EXISTING 8" STEEL WATER LINE
13. PROVIDE AND INSTALL TYPE B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
14. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
15. TAPER ASPHALT TO MATCH EXISTING AT RADIUS.
16. EXISTING DRIVEWAY, EXACT LOCATION TO BE DETERMINED IN THE FIELD. BLEND TO MATCH.
17. TAPER ASPHALT TO MATCH EXISTING ASPHALT LIMITS.
18. PROVIDE AND INSTALL 1" CURB NOSE DOWN PER SPOKANE COUNTY STANDARDS.

LIMITS OF NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L16	54.75	S00°26'30"W
L17	2.94	N89°33'30"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C73	47.47	30.00	30.29	42.67	90°39'25"
C74	46.38	30.00	29.66	41.78	88°32'30"
C75	30.15	30.00	16.74	29.10	19°14'55"
C76	31.66	20.00	20.30	28.47	90°42'55"
C77	47.17	30.00	30.05	42.46	90°05'40"
C78	47.12	30.00	30.01	42.43	90°00'00"
C81	47.12	30.00	30.00	42.43	90°00'00"
C82	47.12	30.00	30.00	42.43	90°00'00"

GRAPHIC SCALE

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
MAINTENANCE AND WORK PERMIT #: 07-
INSPECTION AND WORK PERMIT #: 2-07
CONSTRUCTION DOCUMENTATION AND CERTIFICATION OF THESE PLANS MUST BE MADE FROM TO SUBMIT WORK AS-BUILT AND EXPENSES OF THE WORK OR CONSTRUCTION TO BE PAID FOR MAINTENANCE. PERMIT REQUIRED BEFORE ANY WORK
VERIFY TREE PROTECTION & BARRICADES PRIOR TO CONSTRUCTION

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/9/07	MAT	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

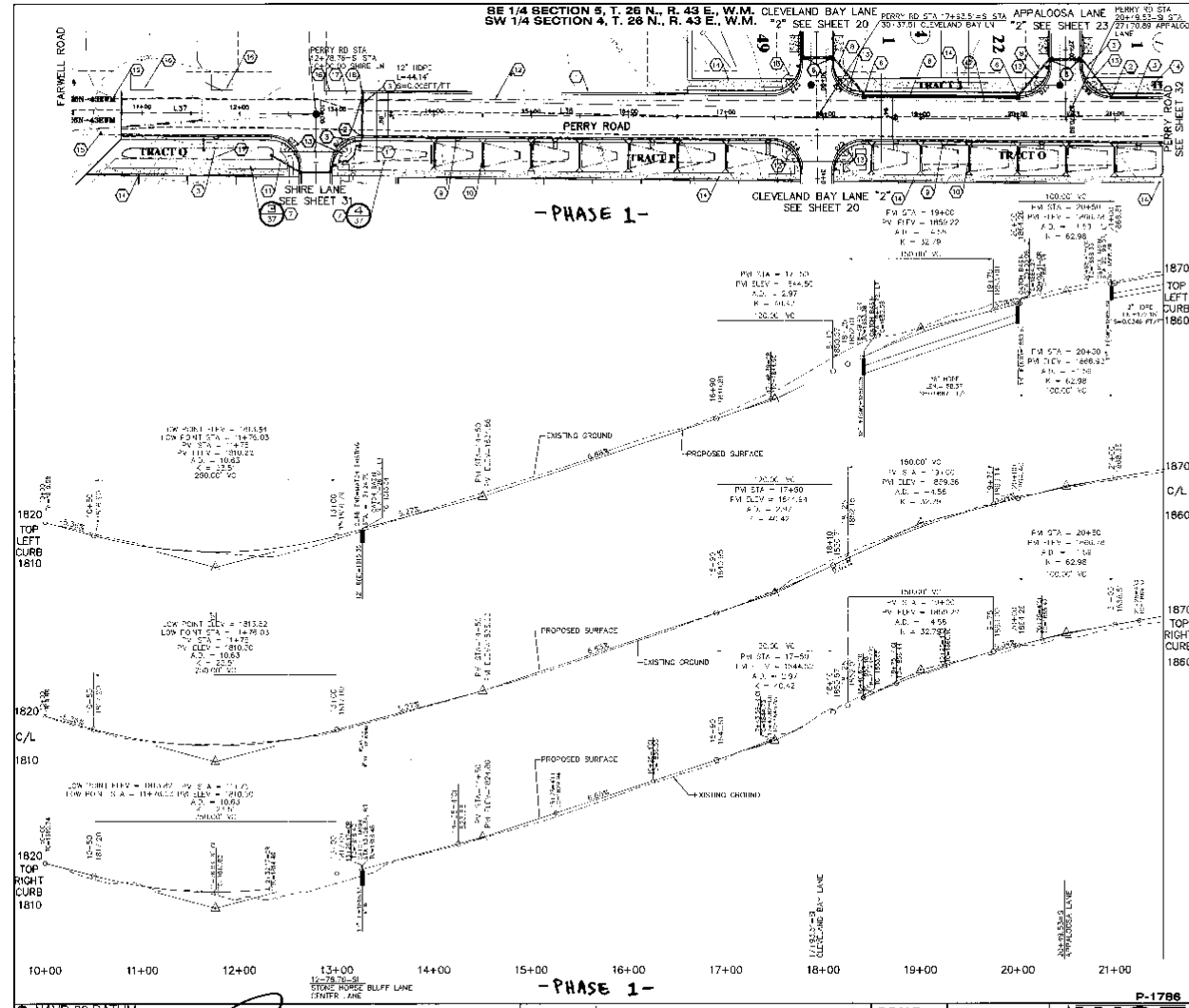
SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'
PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

WCE
CIVIL CONSULTING ENGINEERS
LAND DEVELOPMENT CONSULTANTS
SPOKANE, WASHINGTON 99201
PHONE (509) 838-8014 FAX (509) 838-8033

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PERRY ROAD STA. 10+00 - STA. 21+50
SPOKANE COUNTY, WASHINGTON

SHEET 31 OF 43
JOB NUMBER 2004-65

P-1786 England Drainage



CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-7, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
4. NOT USED.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-7, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL 84"Ø.D.-7.38" TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B 10.20.00 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B 11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL, AND INLET INFORMATION.
8. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LIES AS SHOWN ON PROFILE.
9. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. SEE PROFILE FOR STATION AND OFFSET (TYP).
10. PROVIDE AND INSTALL CHECK DAM PER SPOKANE COUNTY STANDARD PLAN 5. SEE DETAIL 8 SHEET 38 (TYP).
11. PROVIDE AND INSTALL RIP-RAP PAD PER SPOKANE COUNTY STANDARDS. SEE DETAIL THIS SHEET AND DETAIL 3 SHEET 38.
12. EXISTING 8" STEEL WATER LINE.
13. PROVIDE AND INSTALL TYPE B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
14. PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A 4
15. TAPER ASPHALT TO MATCH EXISTING AT RADIUS.
16. EXISTING DRIVEWAY, EXACT LOCATION TO BE DETERMINED IN THE FIELD. BLEND TO MATCH.
17. TAPER ASPHALT TO MATCH EXISTING AS-BUILT GRADE.
18. PROVIDE AND INSTALL 1" CURB DROP DOWN PER SPOKANE COUNTY STANDARDS.

= 1" GRIND & NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L36	514.73	S88°26'20"W
L37	275.78	S00°26'20"E

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C73	47.47	30.00	30.35	42.67	90°38'22"
C74	47.78	30.00	30.68	42.18	89°36'35"
C75	31.15	20.00	19.74	28.10	89°14'55"
C76	31.68	20.00	20.25	28.47	90°45'05"
C77	47.17	30.00	30.06	42.46	90°03'40"
C78	47.13	30.00	30.01	42.43	90°00'59"
C81	47.17	30.00	30.05	42.45	89°59'58"
C82	47.12	30.00	30.00	42.43	90°00'01"

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 1-800 474-5555 CALL TWO BUSINESS DAYS BEFORE YOU DIG

Applies to Phase 1 Designation only.

GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT: STONE HORSE BLUFF
DATE ACCEPTED: 7/1/01
ACCEPTANCE EXPIRES: 7/1/02
PROJECT'S LANE MILES: PUBLIC 0.0
PROJECT'S LANE MILES: PRIVATE: 2.51
CONSTRUCTION SEQUENCE AND NOTES: AS REVISED BY RECORD DRAWINGS, "AS-BUILT" ART REQUIRED PRIOR TO COUNTY ACCEPTANCE AND DETAILING ALL OF THE ROADS AND DRAINAGE FACILITIES FOR PERMITTED AREA
PERMIT REQUIRED (DNR) NPDES
NOTIFY PERMIT SECTION 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

NAVD-88 DATUM
VERTICAL DATUM
WASTE GRASS LOCK OF WOOD ESD SLOT IS ASSOCIATED VALVE AT THE VERTICAL OUTFALL OF THE INTERFACE OF PIPE NO 2 AND 3 WALL TOPS
ELEV. = 1846.00 (NAVD 88)

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/26/07	MAT	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/26/07
DRAWN: MEK
APPROVED: TRW

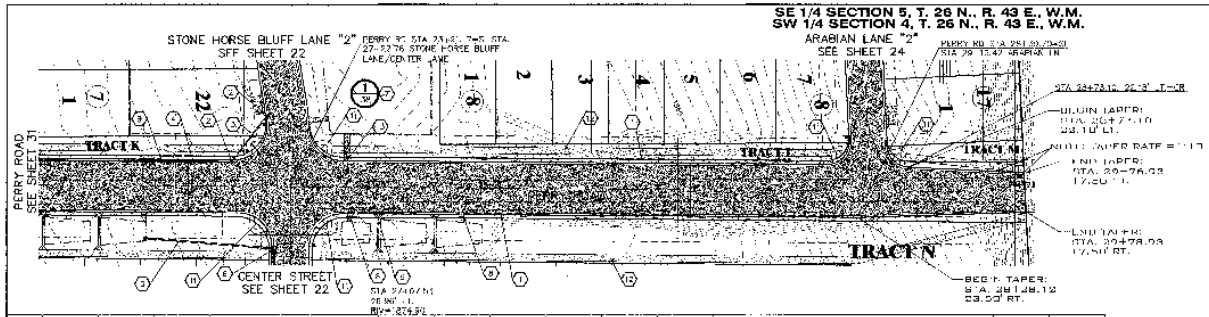
IWCE
INLAND WEST CIVIL ENGINEERS
421 WEST RIVER PARK DRIVE, SUITE 210
POST FALLS, IDAHO 83854
PH: 208-262-0540 FAX: 208-262-0550

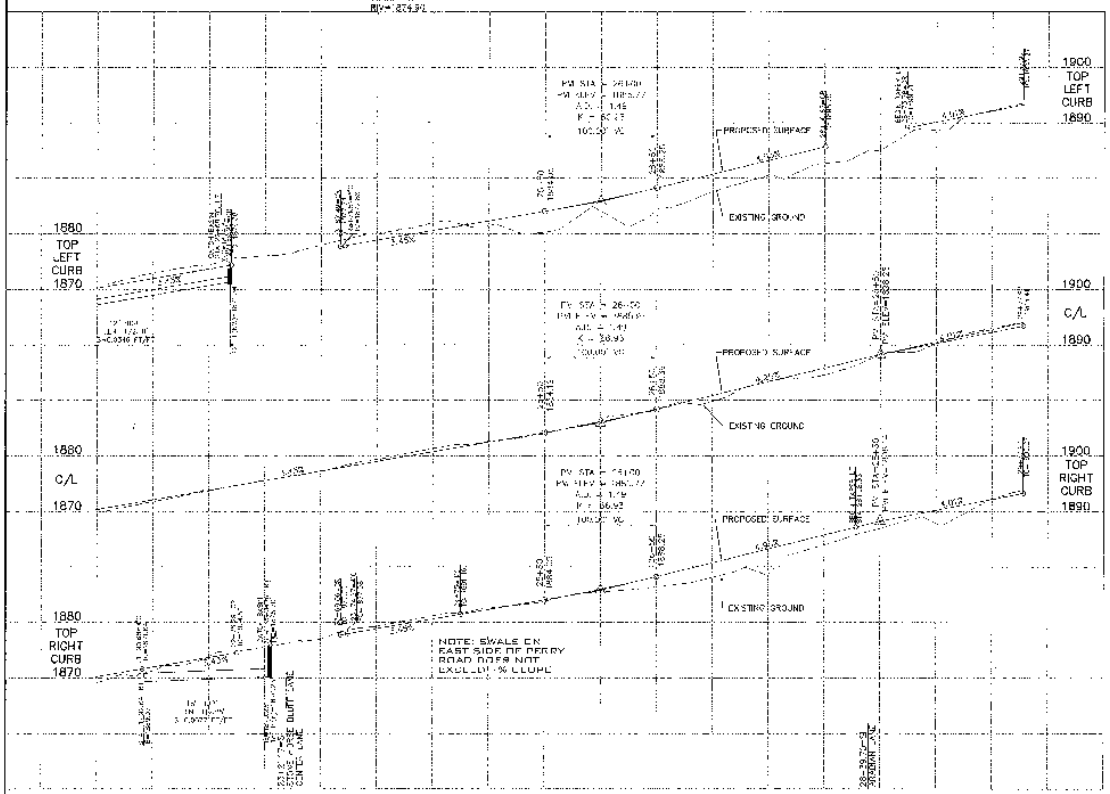
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PERRY ROAD STA. 10+00 - STA. 21+50
SPOKANE COUNTY, WASHINGTON

SHEET 31 OF 43
ID NUMBER 2004-65

P-1786

P-1786 Engineers Drawings





CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN No. 4-1, 4-7, AND 8-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.
4. EXISTING 8" D.I. WATER LINE.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND I.E.'S AS SHOWN ON PROFILE.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 HOOD AND GRATE AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN 8-01, AND 8-12. SEE PROFILE FOR STATION, OFFSET AND I.E.'S FOR INFORMATION.
7. SEE ROAD DETAIL FOR R.P.P., DRIVEWAY AND SPOT INFORMATION.
8. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN 8-5. SEE PROFILE FOR STATION AND OFFSET (TYP.)
9. PROVIDE AND INSTALL CHECK DAM PER SPOKANE COUNTY STANDARD PLANS. SEE DETAIL B SHEET 38 (TYP.)
10. NOT USED.
11. PROVIDE AND INSTALL TYPE P CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
12. PROVIDE AND INSTALL 8' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
13. PROVIDE AND INSTALL TYPE 1 AND 7 CURB INLET PER SPOKANE COUNTY STANDARD PLAN 8-5 AND 8-9. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

LIMITS OF NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L21	836.75	S00°08'26"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C9	72.10	420.00	36.15	72.00	10°97'36"
C20	93.48	20.00	61.10	82.89	84°58'30"
C30	32.25	26.00	21.17	29.98	71°06'18"
C31	47.26	30.00	27.22	40.35	90°22'21"
C32	47.47	30.00	30.35	42.67	90°39'26"
C33	46.78	30.00	29.66	42.18	89°20'32"
C34	50.78	30.00	33.90	44.81	96°58'04"

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT OR SIGNAL
CONSTRUCTION PLANS
PROJECT # 2004-65
DATE ACCEPTED: 12/14/07
ACCEPTANCE EXPIRES: 12/14/09
PROJECT LANE MILES: PUBLIC 0.00
PRIVATE 2.05
SUBJECT TO CONDITIONS ON AND OR OF RECORD DRAWING, DATED OCT. 30, 2007 RECEIVED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT RECEIVED (509) 477-3600
NOTE: Expiration of acceptance does not relieve the developer of the responsibility to correct any defects in materials or workmanship that may become apparent within the warranty period.

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

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

12/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/4/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/05	SRR	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

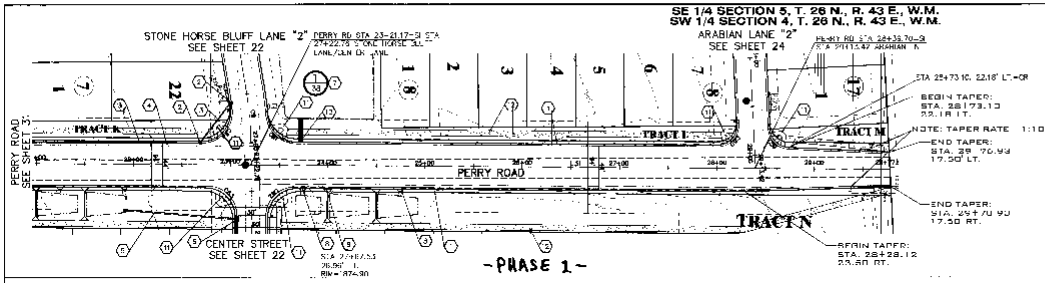
PROJ #: 2004-65
DATE: 10/05/07
DRAWN: MEK
APPROVED: TRW

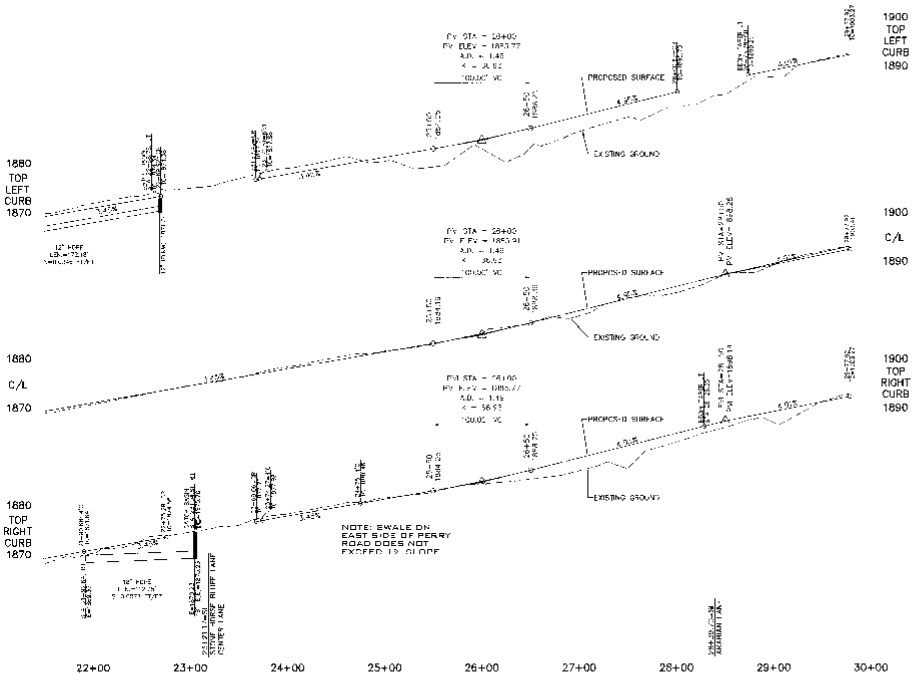
IWCE
INLAND WEST CIVIL ENGINEERING, INC.
3508 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
(509) 924-7994 FAX (509) 924-9290

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PERRY ROAD STA. 21+50 - STA. 29+77.92
SPOKANE COUNTY, WASHINGTON

SHEET
32 OF 43
JOB NUMBER
2004-65

P-1786
Eng Road Drainage





CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 (7'6"MC AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE
4. EXISTING 8" STEEL WATER LINE.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH WLAL WALL TYPE 2 THICK AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL AND INLET INFORMATION
8. PROVIDE AND INSTALL TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. SEE PROFILE FOR STATION AND OFFSET (TYP).
9. PROVIDE AND INSTALL SHEET DAM PER SPOKANE COUNTY 2 STANDARD PLANS. SEE DETAIL B SHEET 28 (TYP).
10. NOT USED.
11. PROVIDE AND INSTALL TYPE B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5
12. PROVIDE AND INSTALL 8' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
13. PROVIDE AND INSTALL TYPE 1 AND 2 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8 AND B-9. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L1	636.73	S00°03'30"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C9	77.10	450.00	38.65	77.00	10°00'46"
C59	29.48	20.00	18.15	26.85	84°26'35"
C60	32.55	20.00	21.17	29.05	93°16'46"
C61	44.25	30.00	27.23	40.16	84°30'01"
C62	47.41	30.00	30.35	42.67	90°28'28"
C63	+6.76	30.00	29.68	42.18	89°30'32"
C64	50.78	30.00	33.95	44.93	96°58'56"

7/30/12
Applies to Phase 1 Designation Only.

OFF-SITE PLANS - DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECT'S LANE MILES: PUBLIC: 0.7
PROJECT LANE MILES: PRIVATE: 2.84
CONSTRUCTION DOCUMENTATION AND CERTIFICATION REQUIRED UPON COMPLETION. "AS-BUILTS" ARE REQUIRED PRIOR TO QUALITY ASSURANCE AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE.
INITIAL SUBMITTAL (PRIOR TO PAVING)
NOTIFY "ONE" BUSINESS DAY PRIOR TO PAVING
SPOKANE COUNTY PUBLIC WORKS

GRAPHIC SCALE

P-1786

NAVD-88 DATUM
VERTICAL DATUM
WORLD GEODETIC SYSTEM OF 1984 (WGS 84)
ASSUMED ELEVATION OF BENCHMARK
DESCRIPTION OF BENCHMARK
U.S. NO. 2 AND PERRY ROAD
LOCAL BENCHMARK DESC

DEVELOPERS' APPROVAL
14/24/07
DATE

NO.	DATE	BY	REMARKS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	SRR	SUBMITTAL TO SPOKANE COUNTY
	10/09	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

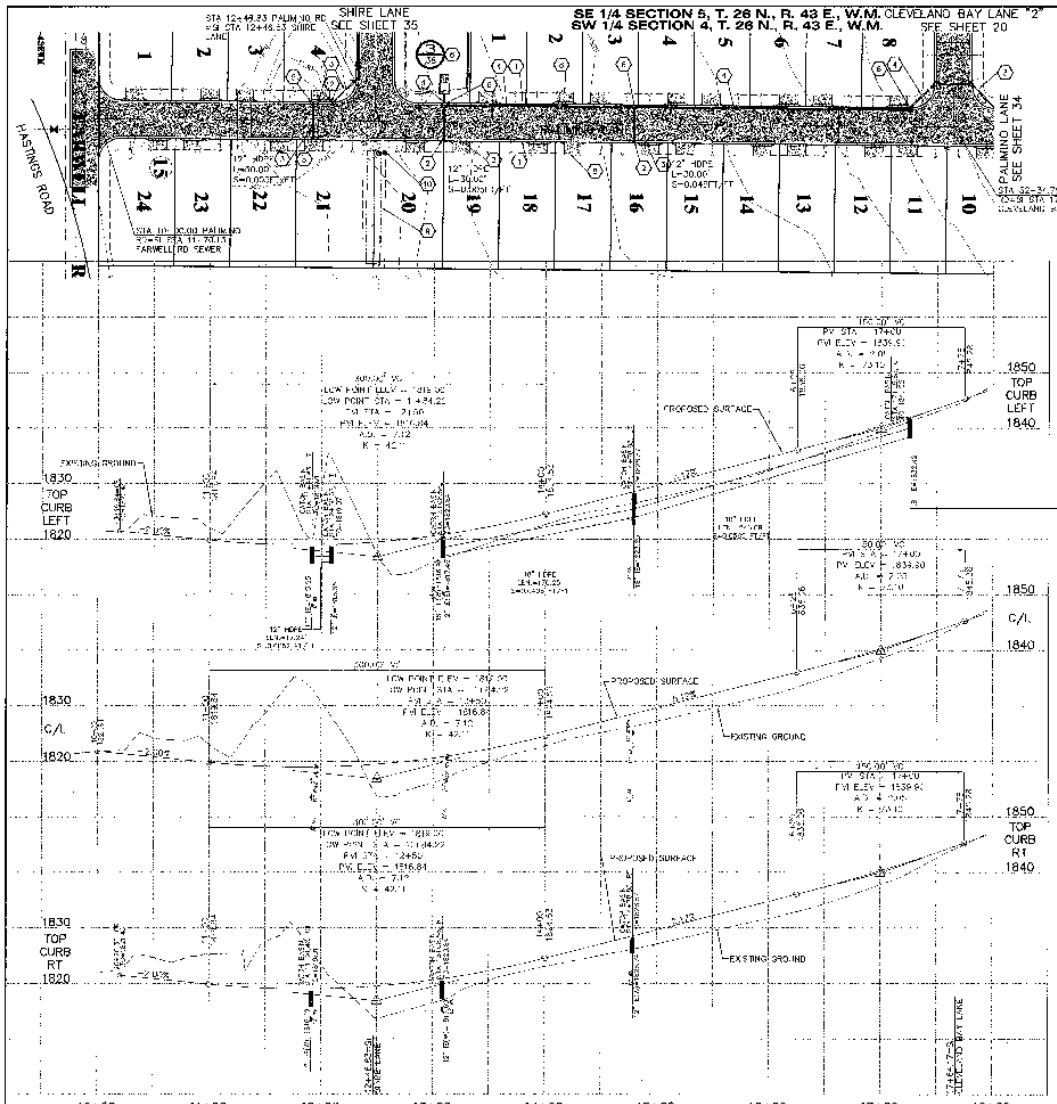
PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
9-PINE CHELAN WENATCHEE
PH: 509.663.9745 FAX: 509.663.9782
CHELAN: 1.800.572.7645
WENATCHEE: 1.800.572.7645
SPOKANE: 1.800.572.7645
PH: 509.838.2617 FAX: 509.838.6522

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PERRY ROAD STA. 21+50 - STA. 29+77.92
SPOKANE COUNTY, WASHINGTON

SHEET
32 OF 43
JOB NUMBER
2004-65

P-1786 England Drainage



CONSTRUCTION NOTES

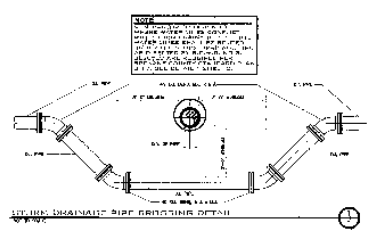
1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARDS.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-6, B-7, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-6, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN 3-10.20-02 WITH METAL FRAME, TYPE 2 HOOD AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE POND DETAIL FOR PIPE, DRYWELL AND INLET INFORMATION.
8. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 2 (TYP).
9. GRADE AND SEED 6" DEEP SWALE FOR DIP SEE PLAN AND PROFILE FOR LOCATION.
10. PROVIDE AND INSTALL TYPE "M" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1A TO STA 12+49.78, 26.0' RT., RIM EL.=1816.00

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS BEFORE YOU DIG

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L10	1932.79	S00°12'09"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C15	31.16	25.00	19.74	29.10	68°14.55"
C16	31.68	23.00	20.26	25.47	88°00'00"
C19	31.42	20.00	20.00	28.28	90°00'00"
C20	31.42	20.00	20.00	28.28	90°00'00"



GRAPHIC SCALE

P-1786

CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECT LANE MILES, PUBLIC: 2.17
PROJECT LANE MILES, PRIVATE: 2.84

NAVD-88 DATUM
VERTICAL DATUM
ASSUMED ELEVATION BASED ON SUBDIVISION
ACCEPTED LOCAL CONTROL MONUMENT
QUARTER OF SECTION MONUMENT
PER NGS DATASHEET PID#

DEVELOPER'S APPROVAL — DATE 10/24/07

NO	DATE	BY	REVISIONS
	10/5/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

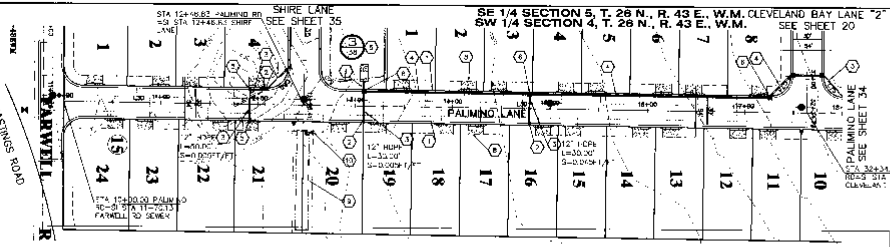
SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'
PROJ #: 2004-65
DATE: 10/05/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WESTERN CIVIL ENGINEERS
CIVIL ENGINEERING • LAND PLANNING • SURVEYING
1421 N. MEADOWWOOD LANE, SUITE 200
LIBERTY LAKE, WASHINGTON 99019
(509) 255-6076 FAX (509) 255-6086

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PALIMINO LANE STA. 10+00 - STA. 18+00
SPOKANE COUNTY, WASHINGTON

SHEET 33 OF 43
JOB NUMBER 2004-65

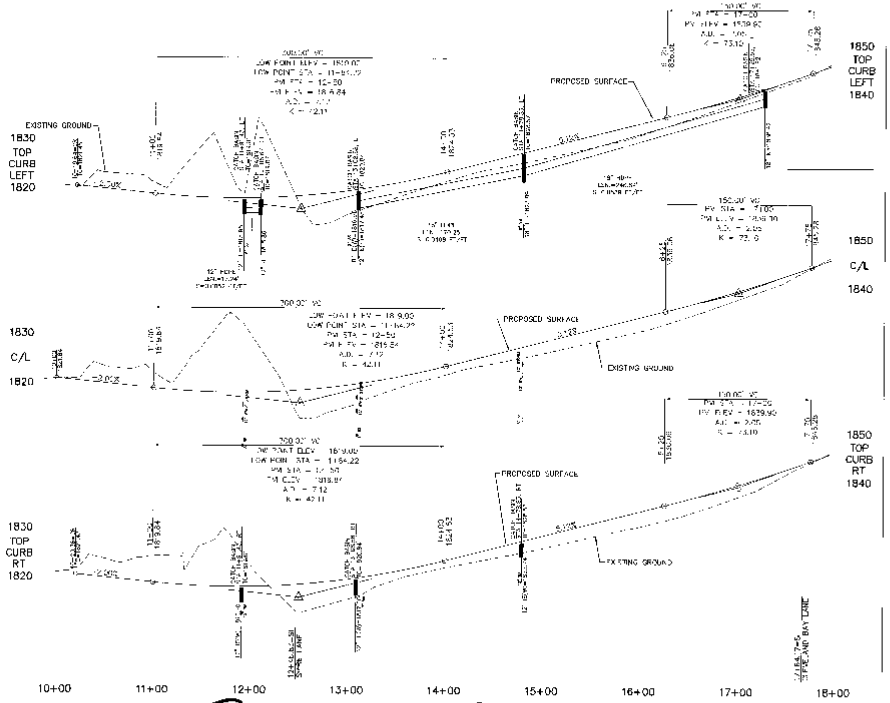
P-1786 Eng Road Drainage

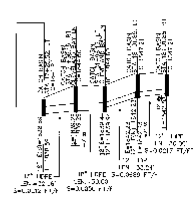


CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "M" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, D-1, AND H-19 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LINES AS SHOWN ON PROFILE.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, D-1, AND H-19 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-02 W/ 8" MANHOLE FRAME, TYPE 2 HOOD, AND FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, D-1, AND D-12, SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
7. SEE PONDS 1 & 2 FOR PIPE, DRYWELL, AND VAULT INFORMATION.
8. REMOVE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE SHEET 2 (TYP.)
9. GRADE AND SEED 6" DEEP SWALE FOR TYP. SITE FLOWS. POND #1 WSE=1815.00
10. PROVIDE AND INSTALL TYPE "M" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1 A TO STA. 12+48.78, 78.0' R., RIM ELEV.=1815.00'

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

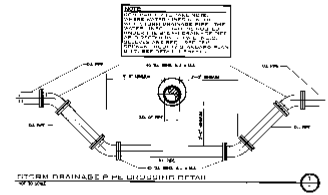




LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L30	1952.48	SEE SECTION "A"

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C75	34.15	20.00	19.74	29.15	85°14'55"
C76	31.68	20.00	20.26	28.47	90°45'05"
C79	31.47	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"



GRAPHIC SCALE

Applies to Phase 1 Designation Only.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL "AS-BUILT" COPY
CONSTRUCTION PLANS
PROJECT #: 2106L
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECT LANE MILES: PUBLIC: 1.17
PROJECT LANE MILES PRIVATE: 2.94
CONSTRUCTION OBSERVATION AND CORRECTIONS BEYOND WARRANTY "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ONE YEAR MAINTENANCE AND WARRANTY BOND PERIOD. (SCC 17.700)
NOTE: FOR SURVEY CONTROL INFORMATION SEE SHEET

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 12/24/07

10/09/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
10/08/07	MAT	SUBMITTAL TO SPOKANE COUNTY
10-05	MEK	ORIGINAL PLAN PREPERATION
NO.	DATE	BY REVISIONS

SCALE: HORIZONTAL: 1"=50' VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

P-1786

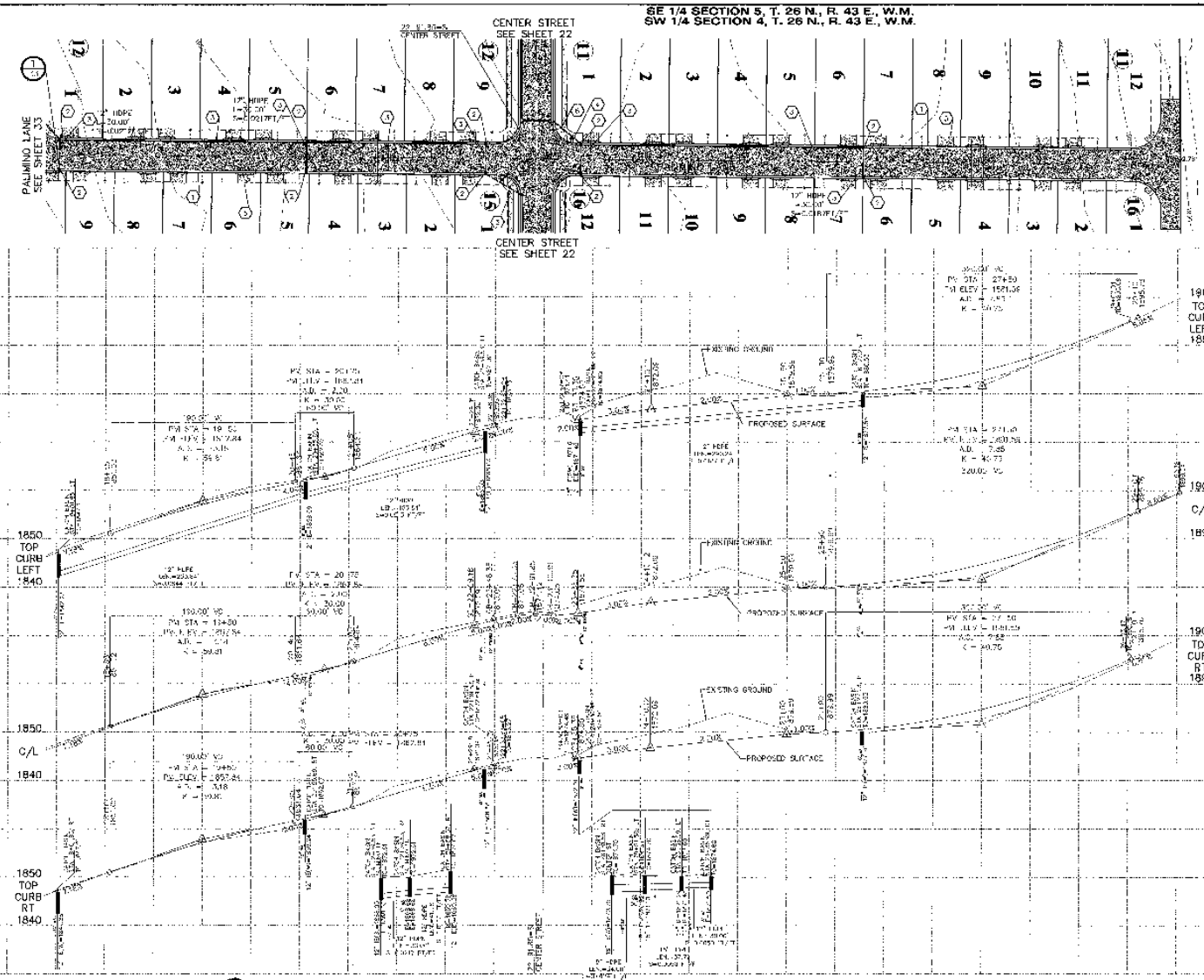
IWCE
INLAND WEST CONSULTING ENGINEERS, INC.
CIVIL AND LAND DEVELOPMENT CONSULTING
SPOKANE, WA (509) 924-9200
BOISE, ID (208) 639-6562

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PALIMINO LANE STA. 10+00 - STA. 18+00
SPOKANE COUNTY, WASHINGTON

SHEET 33 OF 43
JOB NUMBER 2004-65

P-1786 Eng Bond Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKDAYS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND LOCD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-18.
5. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 5. (TYP.)
6. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LETS AS SHOWN ON PROFILE.

LIMITS OF NEW ASPHALT

LINE TABLE

LINE	LENGTH	BEARING
L30	359.71'	N90°00'32"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C29	31.15	20.00	19.74	28.10	89°14'52"
C28	31.65	20.00	27.28	28.47	90°45'08"
C27	31.15	20.00	19.74	28.10	89°14'52"
C26	31.65	20.00	27.28	28.47	90°45'08"
C62	47.80	30.00	30.48	42.76	90°55'30"
C61	46.68	30.00	29.56	42.1	89°09'17"

SCALE IN 1 INCH = 40 FEET
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2004-65
DATE ACCEPTED: 12/14/07
ACCEPTANCE EXPIRES: 12/14/08
PROJECT LANE MILES PAVED: 0.35
PROJECT LANE MILES PAVED: 2.69
CONSTRUCTION COORDINATION AND CERTIFIED EROSION CONTROL (CESCL) ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND OTHER SHEETS OF THE PLANS AND DRAINAGE FACILITIES FOR MAINTENANCE. (SMC RECORDS 2000 #3-XX)
SEE MY PHONE NUMBER & ADDRESS BELOW PRIOR TO CONSTRUCTION

GRAPHIC SCALE
1 INCH = 40 FEET

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/29/07 DATE

NO	BY	REVISIONS
10/9/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
MAT		SUBMITTAL TO SPOKANE COUNTY
10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

IWCE
SPOKANE, WASHINGTON
(509) 922-1370 FAX (509) 922-1375

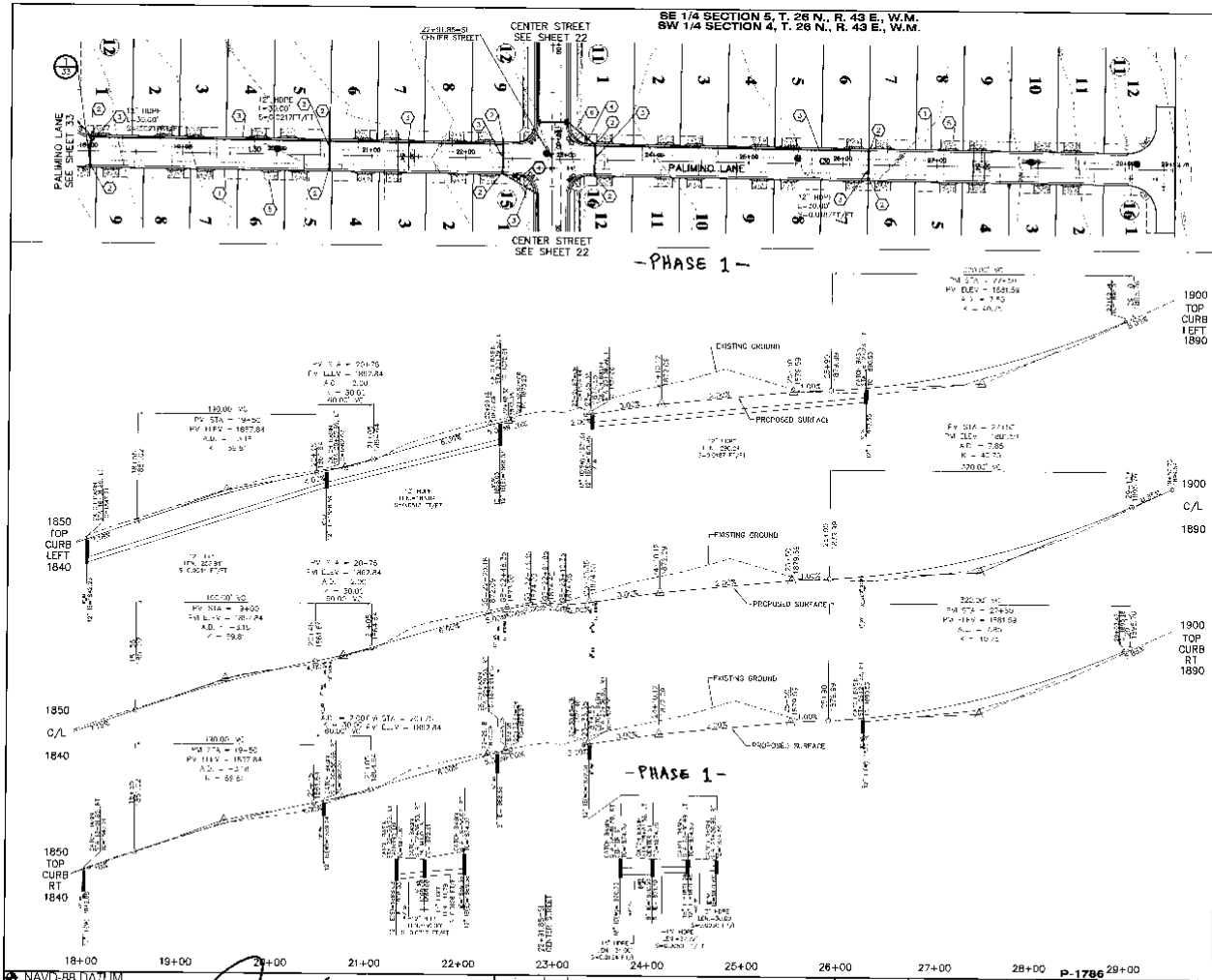
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PALIMINO LANE STA. 18+00 - STA. 29+52.78 SPOKANE COUNTY, WASHINGTON

SHEET
34 OF 43

JOB NUMBER
2004-65

P-1788

Eng Land Drainage



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "B" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS SEE DETAIL "SHEET 2 (TYP).
6. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LE'S AS SHOWN ON PROFILE.

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L30	1952.78	S00°32'00"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
065	31.15	20.00	19.74	28.10	89°14'52"
066	31.68	20.00	20.26	28.47	90°43'06"
067	31.15	20.00	19.74	28.10	89°14'52"
068	31.68	20.00	20.26	28.47	90°43'06"
090	47.65	30.00	30.48	42.76	90°58'00"
091	46.68	30.00	29.56	42.11	89°08'14"

7/30/12
Applies to Phase 1
Designation Only.

GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
ORIGINAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES: [illegible]
PROJECTS LANE MILES: PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 0.0
CONSTRUCTION COMPLETION AND ACCEPTANCE
REQUIRED DRAINAGE FACILITIES ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND POSTMARKING OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE STREET REQUIRED (SEE ATTACHED)
NOTE: POINT CLEANING IS REQUIRED DAYS PRIOR TO CONSTRUCTION

NAVD-88 DATUM

DEVELOPERS APPROVAL 10/24/07 DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

WCE

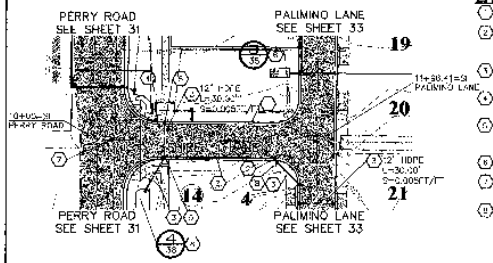
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
PALIMINO LANE STA. 18+00 - STA. 29+52.78 SPOKANE COUNTY, WASHINGTON

SHEET 34 OF 43
JOB NUMBER 2004-65

P-1786 Dry Hole Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



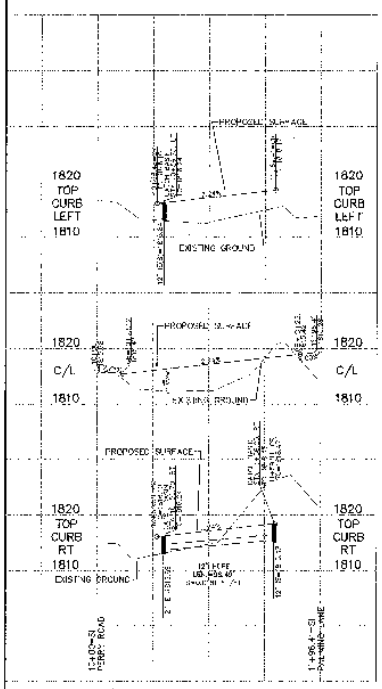
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD.
2. PROVIDE AND INSTALL TYP. 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-74, B-75, AND B-17. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
5. PROVIDE AND INSTALL TYP. 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-74, B-75, AND B-17. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. SEE ROAD DETAIL FOR TYPE, DRYWELL AND INLET INFORMATION.
7. PROVIDE AND INSTALL TYPE "D" TO TYPE "R" CURB TRANSITION PER SPOKANE COUNTY STANDARDS (TYP).
8. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.

LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L35	96.41	S89°28'00"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C77	47.17	30.00	30.00	42.44	90°05'41"
C78	47.13	30.00	30.00	42.43	89°56'59"
C79	31.42	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"



N
W E
S

GRAPHIC SCALE

SPOKANE COUNTY PUBLIC WORKS
ORIGINAL FOR 2 INCH (2") ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 10/24/07
ACCEPTANCE EXPIRES: 10/24/09
PROJECTS LANE MILES: PUBLIC: 0.17
PROJECT LANE MILES PRIVATE: 0.49
CONSTRUCTION (CONVEYANCE AND DEDICATION) TO COUNTY ACCEPTANCE ARE EXTENDED BEYOND THE ROADS AND DRAINAGE FACILITIES THE MAINTENANCE PERIOD SHOWN ON APPLICABLE

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10-8-07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10-08-07	MAT	SUBMITTAL TO SPOKANE COUNTY
	10-05-07	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

PROJ #: 2004-65
DATE: 10-05-07
DRAWN: MEK
APPROVED: TRW

WCE
WESTERN CONSULTING ENGINEERS, INC.
104 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216
PHONE: (509) 924-2233 FAX: (509) 924-9290

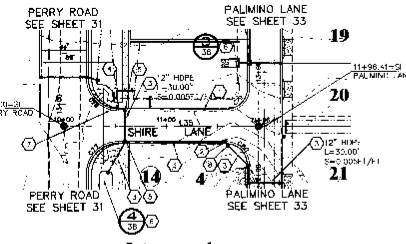
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
SHIRE LANE STA. 10+00 - STA. 11+96.41
SPOKANE COUNTY, WASHINGTON

SHEET
35 OF 43
JOB NO.
2004-65

P-1786 Engineered Drawings

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



-PHASE 1-

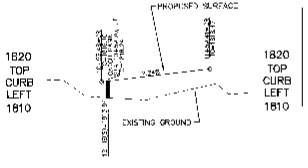
CONSTRUCTION NOTES

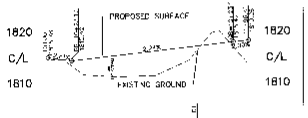
1. PROVIDE AND INSTALL TYPE "R" CURB PER SPOKANE COUNTY STANDARD
2. REMOVE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-12 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
3. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LEVEL AS SHOWN ON PROFILE.
4. PROVIDE AND INSTALL STREET AND STOP SIGN PER SPOKANE COUNTY STANDARD PLAN A-11b.
5. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14 SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
6. SEE POND DETAIL FOR MH4, DRYWELL, AND INLET INFORMATION.
7. PROVIDE AND INSTALL 18" "R" TO TYPE "R" CURB TRANSITION PER SPOKANE COUNTY STANDARDS (TYP).
8. PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.

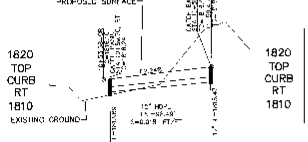
LIMITS OF NEW ASPHALT

LINE TABLE		
LINE	LENGTH	BEARING
L35	196.4'	S88°25'00"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C77	47.12	30.00	30.00	42.43	90°00'00"
C78	47.13	30.00	30.01	42.43	90°00'59"
C79	31.42	20.00	20.00	28.28	90°00'00"
C80	31.42	20.00	20.00	28.28	90°00'00"







-PHASE 1-

10+00 11+00 12+00

N
W E
S

GRAPHIC SCALE

Applies to Phase 1 Designation Only.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 10/24/07
ACCEPTANCE EXPIRES: 10/24/08
PROJECT LANE MILES: PUBLIC: 0.15
PROJECT LANE MILES: PRIVATE: 1.89
CONSTRUCTION DOES NOT CONTINUE BEYOND ONE YEAR FROM ACCEPTANCE UNLESS A WRITTEN PASS TO CONTINUE HAS BEEN ISSUED BY THE DIRECTOR OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT EXPIRES ONE YEAR FROM ACCEPTANCE
NOTIFY PERMIT HOLDER 2 BUSINESS DAYS PRIOR TO EXCAVATION

10/24/07

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	BY	REVISIONS
10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
------	MAT	SUBMITTAL TO SPOKANE COUNTY
10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=50
VERTICAL: 1"=10

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

P-1786

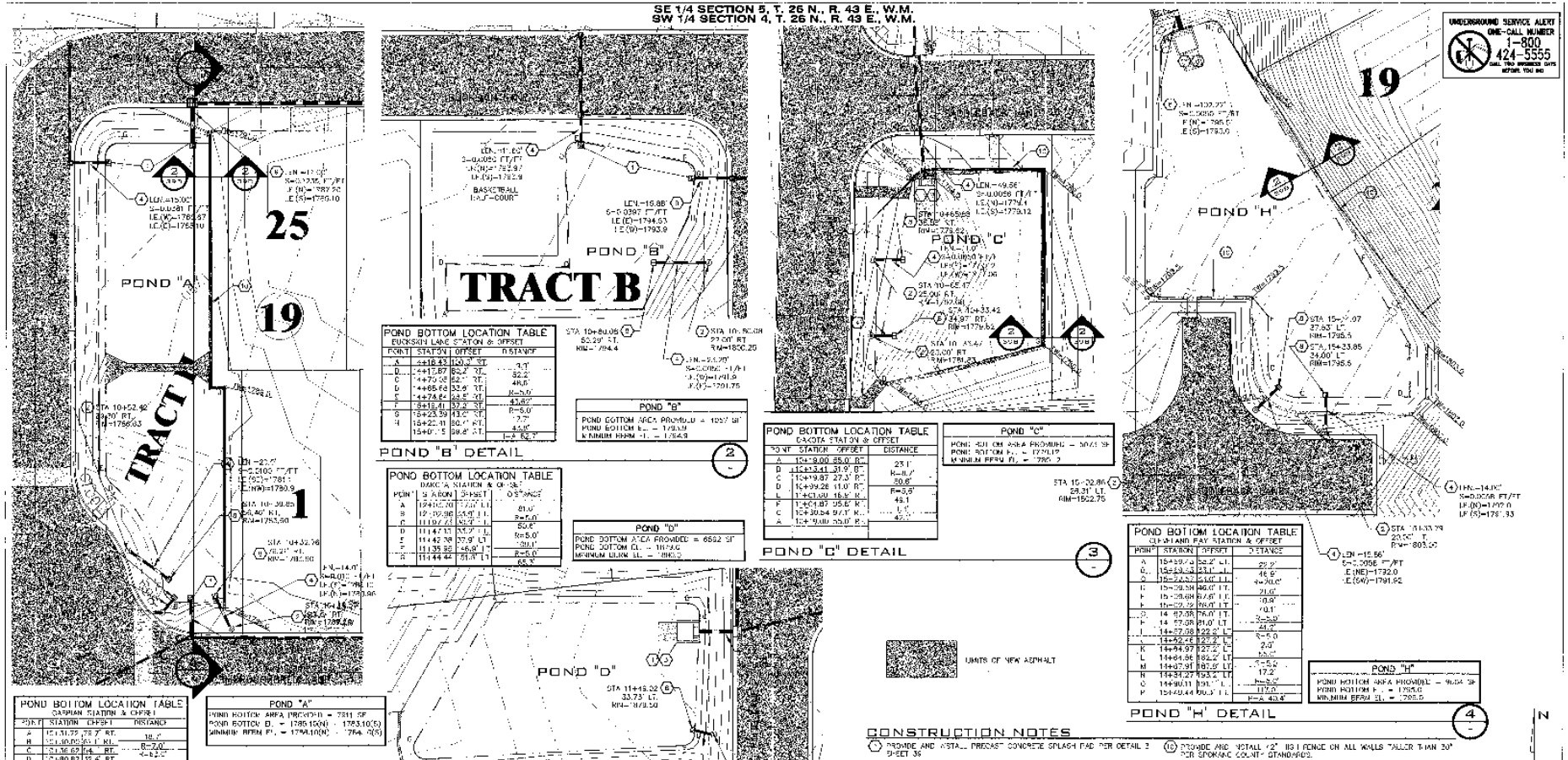
IWCE
INLAND WEST CIVIL ENGINEERING
SPOKANE, WA 99208 (509)

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
SHIRE LANE STA. 10+00 - STA. 11+96.41
SPOKANE COUNTY, WASHINGTON

SHEET
35 OF 43
DRAWING NUMBER
2004-65

P-1786 Engineering

SE 1/4 SECTION 5, T. 25 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

POND BOTTOM LOCATION TABLE (BUCKSKIN LAKE STATION & OFFSET)			
POINT	STATION	OFFSET	DISTANCE
A	4+18.43	120.3' ST.	
B	4+17.87	82.3' ST.	38'
C	4+79.05	52.1' ST.	32.2'
D	4+65.64	33.6' ST.	18.6'
E	4+74.64	24.8' ST.	R=5.0'
F	5+18.41	37.2' ST.	43.87'
G	5+23.39	43.0' ST.	R=5.0'
H	5+22.41	80.1' ST.	7.7'
I	5+01.15	98.8' ST.	44.8'
			J=A 82.7'

POND "B" DETAIL (2)

POND BOTTOM LOCATION TABLE (DAKOTA STATION & OFFSET)			
POINT	STATION	OFFSET	DISTANCE
A	10+90.00	65.0' RT.	25.1'
B	10+53.41	31.9' RT.	R=6.0'
C	10+19.87	27.3' RT.	50.6'
D	10+99.28	11.0' RT.	R=5.0'
E	11+01.00	16.4' RT.	46.1'
F	11+51.87	35.6' RT.	L=7.1'
G	10+30.04	90.7' RT.	42.7'
A	10+90.00	65.0' RT.	

POND "C" DETAIL (3)

POND BOTTOM LOCATION TABLE (CLEARLAND PAY STATION & OFFSET)			
POINT	STATION	OFFSET	DISTANCE
A	15+89.72	56.2' LT.	29.2'
B	15+59.55	33.1' LT.	16.9'
C	15+42.57	16.6' LT.	R=30.0'
D	15+39.39	46.0' LT.	21.6'
E	15+38.68	67.6' LT.	10.9'
F	15+28.72	76.0' LT.	40.1'
G	14+92.88	76.0' LT.	R=5.0'
H	14+87.88	81.0' LT.	44.2'
I	14+47.08	122.6' LT.	R=5.0'
J	14+42.46	122.2' LT.	2.0'
K	14+44.97	127.2' LT.	10.0'
L	14+44.96	183.2' LT.	R=5.0'
M	14+87.91	187.6' LT.	17.2'
N	14+34.27	193.2' LT.	R=5.0'
O	14+90.11	191.1' LT.	117.0'
P	15+40.44	190.3' LT.	P=A 40.4'

POND "H" DETAIL (4)

POND BOTTOM LOCATION TABLE (CLEARLAND PAY STATION & OFFSET)			
POINT	STATION	OFFSET	DISTANCE
A	15+89.72	56.2' LT.	29.2'
B	15+59.55	33.1' LT.	16.9'
C	15+42.57	16.6' LT.	R=30.0'
D	15+39.39	46.0' LT.	21.6'
E	15+38.68	67.6' LT.	10.9'
F	15+28.72	76.0' LT.	40.1'
G	14+92.88	76.0' LT.	R=5.0'
H	14+87.88	81.0' LT.	44.2'
I	14+47.08	122.6' LT.	R=5.0'
J	14+42.46	122.2' LT.	2.0'
K	14+44.97	127.2' LT.	10.0'
L	14+44.96	183.2' LT.	R=5.0'
M	14+87.91	187.6' LT.	17.2'
N	14+34.27	193.2' LT.	R=5.0'
O	14+90.11	191.1' LT.	117.0'
P	15+40.44	190.3' LT.	P=A 40.4'

POND BOTTOM LOCATION TABLE (CARLTON STATION & OFFSET)			
POINT	STATION	OFFSET	DISTANCE
A	15+31.79	78.2' RT.	38.1'
B	15+30.00	41.1' RT.	R=2.0'
C	15+36.62	64.' RT.	R=6.2'
D	21+80.87	62.4' RT.	R=7.0'
E	21+86.17	69.2' RT.	134.5'
F	23+21.00	55.5' RT.	R=6.3'
G	24+26.00	37.5' RT.	37.7'
H	24+26.00	74.5' RT.	110.5'
I	24+21.00	87.2' RT.	5.2'
J	24+21.00	79.8' RT.	J=A 11.0'

POND "A"
POND BOTTOM AREA PROVIDED = 7311 SF
POND BOTTOM EL. = 1785.10(S) - 1783.10(S)
MINIMUM BERM EL. = 1794.10(N) - 1794.10(S)

POND "A" DETAIL (1)

POND "B"
POND BOTTOM AREA PROVIDED = 1057 SF
POND BOTTOM EL. = 1793.9
MINIMUM BERM EL. = 1794.9

POND "C"
POND BOTTOM AREA PROVIDED = 5023 SF
POND BOTTOM EL. = 1779.12
MINIMUM BERM EL. = 1780.2

POND "D"
POND BOTTOM AREA PROVIDED = 6592 SF
POND BOTTOM EL. = 1787.0
MINIMUM BERM EL. = 1800.0

POND "D" DETAIL (5)

POND "H"
POND BOTTOM AREA PROVIDED = 9054 SF
POND BOTTOM EL. = 1795.0
MINIMUM BERM EL. = 1805.0

UNITS OF NEW ASPHALT

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL PRECAST CONCRETE SPLASH PAD PER DETAIL 3 SHEET 36
2. PROVIDE AND INSTALL TYPE "D" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-15 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
3. PROVIDE AND INSTALL CONCRETE SIDEWALK WITH TRASH RACK PER SPOKANE COUNTY STANDARDS. SEE DETAIL 7 SHEET 36
4. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND SLOPE AS SHOWN.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND SLOPE AS SHOWN.
6. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND SLOPE AS SHOWN.
7. PROVIDE AND INSTALL ROCK RETAINING WALL PER SPOKANE COUNTY STANDARDS WITH ELEVATIONS SHOWN. SEE DETAIL 8 & SHEET 36.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12 TO STATION, OFFSET, AND ELEVATION SHOWN.
9. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND SLOPE AS SHOWN.
10. PROVIDE AND INSTALL 42" 181 FENCE ON ALL WALLS TALLER THAN 30" PER SPOKANE COUNTY STANDARDS.
11. PROVIDE AND INSTALL 8" SIDE EARTH BERM, COMPACTION AND CONSTRUCTION PER SPOKANE COUNTY STANDARDS. TOP OF BERM ELEVATION PER NOTE

POND "A" CROSS SECTION DETAIL (A)

NAVD-88 DATUM

DEVELOPER'S APPROVAL

10/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TRW

WCE
WESTERN CASCADE ENGINEERING
SPOKANE, WASHINGTON

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES: 10/4/09
PROJECTS LANE MILES: FLOOD 2.17
PROJECT LANE MILES PRIVATE: 2.89
SIGNATURE CONFIRMS YOU HAVE REVIEWED RECORD DRAWINGS, "AS-BUILTS" ARE CORRECT, PRIOR TO COUNTY ACCEPTANCE, AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PHONE: (509) 477-3600
NOTIFY POINT ENGINEER @ 2-4 DAYS PRIOR TO CONSTRUCTION

P-1786

N
W E
S

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

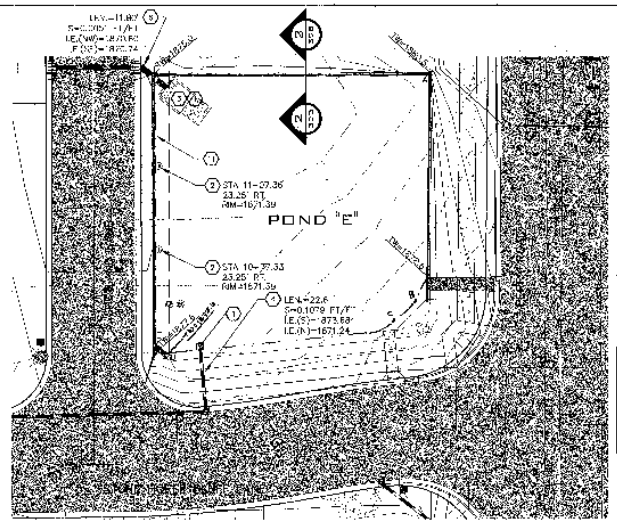
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
37 OF 43

JOB NUMBER
2004-65

P-1786 Eng Road Drainage

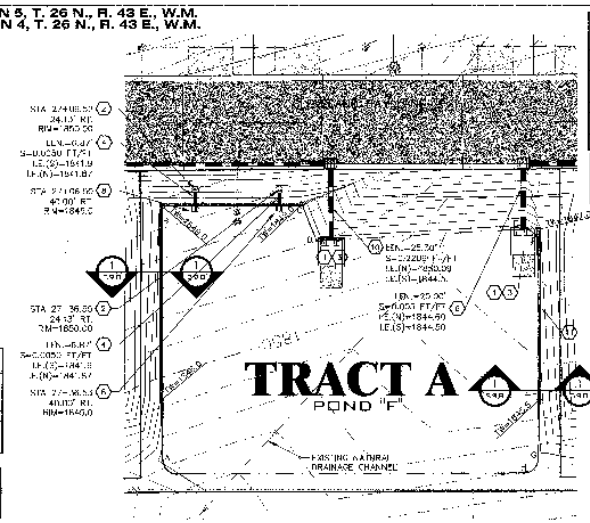
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.



POND "E" DETAIL — 1

POND BOTTOM LOCATION TABLE STONE HORSE BLUFF STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	23+65.55	45.0' LT.	10.00'
B	23+65.55	35.0' LT.	4.34'
C	23+69.89	35.0' LT.	36.62'
D	23+18.05	38.2' LT.	R=3.0'
E	23+15.05	35.2' LT.	1'
F	23+51.00	34.8' LT.	L=4.19.0'
G	23+45.46	45.3' LT.	

POND "E"
POND BOTTOM AREA PROVIDED = 9,261 SF
POND BOTTOM EL. = 1670.74'(W) 1671.24'(E)
MINIMUM BERM EL. = 1671.99'(W) 1672.24'(E)



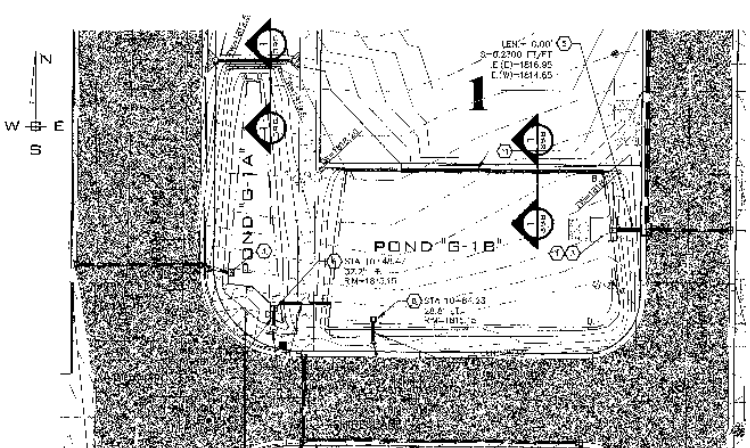
POND BOTTOM LOCATION TABLE DEPARTURE / HAY STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	29+94.82	12.4' RT.	51.4'
B	29+94.82	39.0' RT.	26.7'
C	27+44.82	39.0' RT.	11.7'
D	27+44.82	42.7' RT.	4.1'
E	28+20.82	39.4' RT.	R=3.0'
F	28+25.86	43.6' RT.	27.8'
G	28+25.86	15.8' LT.	Rad=5.0'
H	28+23.77	7.8' LT.	75.0'
I	26+98.77	7.8' LT.	I=A R=5.0'

POND "F"
POND BOTTOM AREA PROVIDED = 11,687 SF
POND BOTTOM EL. = 1644.5
MINIMUM BERM EL. = 1645.5

POND "F" DETAIL — 2

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL PRECAST CONCRETE SPLASH PAD PER DETAIL 3 SHEET 39.
2. REMOVAL AND INSTALL VAULT "B" DRYWELL PER SPOKANE COUNTY STANDARD PLAN R-1a TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
3. PROVIDE AND INSTALL CONCRETE HEADWALL WITH TRASH RACK PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1 SHEET 39.
4. PROVIDE AND INSTALL 12" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN.
5. PROVIDE AND INSTALL 15" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN.
6. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN.
7. PROVIDE AND INSTALL ROCK RETAINING WALL PER SPOKANE COUNTY STANDARDS WITH ELEVATIONS SHOWN. SEE DETAIL 2 SHEET 39.
8. PROVIDE AND INSTALL TYPE I CATCH BASIN, TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN #4-8-10, AND #4-12 TO STATION, OFFSET, AND ELEVATION SHOWN.
9. PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
10. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTHS AS SHOWN.
11. PROVIDE AND INSTALL 42" HIGH FENCE ON ALL WALLS TALLER THAN 30" PER SPOKANE COUNTY STANDARDS.



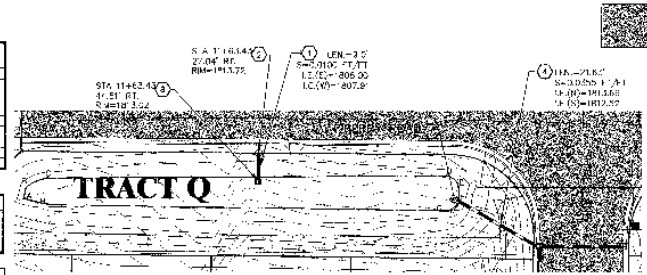
POND "G-1A" & "G1-B" DETAIL — 3

POND BOTTOM LOCATION TABLE PERRY STATION & OFFSET (G-1A)			
POINT	STATION	OFFSET	DISTANCE
A	3+92.50	38.20' R	4.56'
B	13+00.50	42.80' R	87.4'
C	13+05.55	51.65' R	4.3'
D	13+27.19	47.60' R	9.1'
E	13+ 2.27	44.45' R	8.3'
F	13+18.15	40.53' R	8.7'
G	13+19.51	32.21' R	8.1'
A	13+02.50	32.26' R	

POND "G-1A"
POND BOTTOM AREA PROVIDED = 626 SF
POND BOTTOM EL. = 1614.65
MINIMUM BERM EL. = 1615.65

POND BOTTOM LOCATION TABLE PERRY STATION & OFFSET (G-1B)			
POINT	STATION	OFFSET	DISTANCE
A	10+72.78	61.8' LT.	91.6'
B	11+53.70	61.6' LT.	42.8'
C	11+71.01	35.2' LT.	R=3.0'
D	11+82.30	20.8' LT.	24.8'
E	10+98.91	57.7' LT.	R=5.0'
A	10+85.01	56.9' LT.	L=A R=5.0'

POND "G-1B"
POND BOTTOM AREA PROVIDED = 845 SF
POND BOTTOM EL. = 1611.65
MINIMUM BERM EL. = 1612.65



POND BOTTOM LOCATION TABLE PERRY STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	11+78.43	44.2' RT.	5.1'
B	11+80.1	45.2' RT.	R=10.0'
C	11+85.27	36.3' RT.	10.2'
D	12+30.1	34.2' RT.	R=5.0'
E	12+34.83	39.4' RT.	5.2'
F	12+34.90	47.2' RT.	R=5.0'
G	12+32.37	42.2' RT.	14.1'
A	10+83.21	44.2' RT.	I=A R=5.0'

POND "G-2"
POND BOTTOM AREA PROVIDED = 1753 SF
POND BOTTOM EL. = 1812.52
MINIMUM BERM EL. = 1813.52

POND "G-2" DETAIL — 4

= LIMITS OF NEW ASPHALT

SPOKANE COUNTY ROAD & BRIDGE
CONSTRUCTION PLANS
PROJECT # P1786
PLAN ACCEPTED: 10/4/07
ACCEPTANCE EXPIRES: 10/4/09
PROJECTED LANE MILES PUBLIC: 0.24
PROJECT LANE MILES PRIVATE: 2.69

GRAPHIC SCALE
(IN FEET)

P-1786

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	COMMENTS
	10/9/07	SRB	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/4/07	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: 1"=20' VERTICAL: N/A
PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MEK
APPROVED: TMW

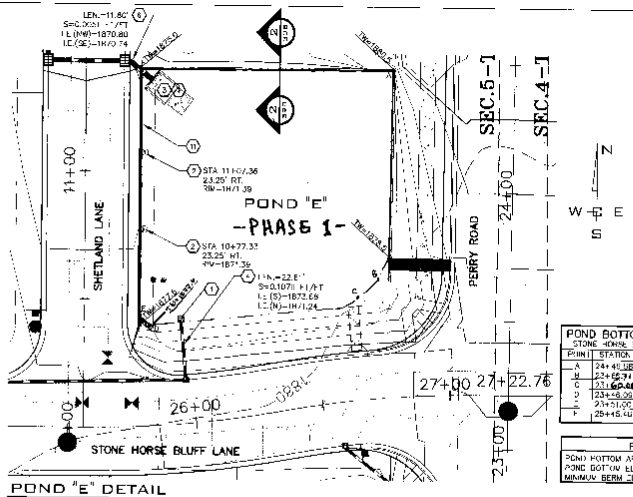
IWCE

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 38 OF 43
JOB NUMBER 2004-65

P-1786 Eng Road Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

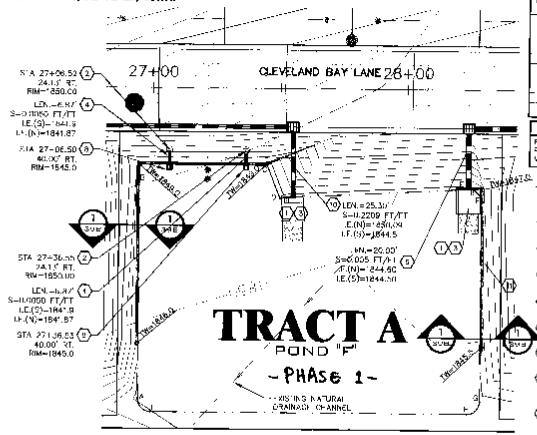


POND "E" DETAIL — 1

POND BOTTOM LOCATION TABLE
STONE HORSE BLUFF STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	24+40.00	45.0' LT.	
B	24+67.71	90.0' LT.	27.7'
C	23+60.00	90.0' LT.	107.7'
D	23+46.09	30.0' LT.	30.0'
E	23+51.00	144.8' LT.	R=5.0'
F	25+45.40	140.9' LT.	194.5'
			C=A R=97.3'

POND "E"
POND BOTTOM AREA PROVIDED = 9,261 SF
POND BOTTOM EL. = 1870.74(A) 1871.24(B)
MINIMUM BERM EL. = 1871.69(N); 1875.24(S)



POND "F" DETAIL — 2

POND BOTTOM LOCATION TABLE
CLEVELAND BAY STATION & OFFSET

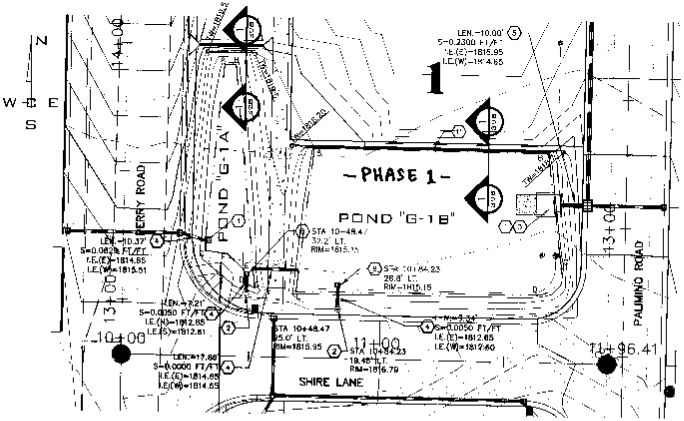
POINT	STATION	OFFSET	DISTANCE
A	26+94.80	121.4' RT.	
B	26+94.80	90.0' RT.	31.4'
C	27+44.39	90.0' RT.	50.1'
D	27+49.90	42.7' RT.	12.7'
E	29+23.53	38.6' RT.	37.1'
F	29+28.80	83.0' RT.	R=5.0'
G	28+76.80	121.4' RT.	77.8'
H	28+23.77	26.4' RT.	R=5.0'
	26+91.77	26.4' RT.	76.0'
			A R=5.0'

POND "F"
POND BOTTOM AREA PROVIDED = 11,667 SF
POND BOTTOM EL. = 1844.5
MINIMUM BERM EL. = 1845.5

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL PRECAST CONCRETE SPLASH PAD PER DETAIL 3 SHEET 39.
2. PROVIDE AND INSTALL TYPE "D" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-16 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
3. PROVIDE AND INSTALL CONCRETE HEADWALL WITH TRASH RACK PER SPOKANE COUNTY STANDARDS. SEE DETAIL 7 SHEET 39.
4. PROVIDE AND INSTALL 12" HDPE S ORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN.
5. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN
6. PROVIDE AND INSTALL 24" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN.
7. PROVIDE AND INSTALL ROCK RETAINING WALL PER SPOKANE COUNTY STANDARDS WITH ELEVATIONS SHOWN. SEE DETAIL 7 SHEET 29.
8. PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-12, AND B-12.10 TO STATION, OFFSET, AND ELEVATION SHOWN.
9. PROVIDE AND INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-16 TO STATION, OFFSET, AND RIM ELEVATION SHOWN.
10. PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE TO GRADE AND LENGTH AS SHOWN
11. PROVIDE AND INSTALL 42" HIGH FENCE ON ALL WALLS TALLER THAN 30" PER SPOKANE COUNTY STANDARDS.



POND "G-1A" & "G1-B" DETAIL — 3

POND BOTTOM LOCATION TABLE
PERRY STATION & OFFSET (G-1A)

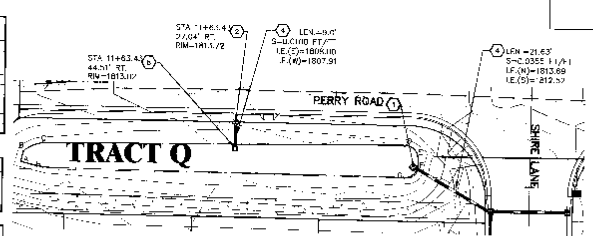
POINT	STATION	OFFSET	DISTANCE
A	13+92.50	38.23' R	
B	13+92.50	42.80' R	4.57'
C	13+06.55	51.69' R	87.1'
D	12+97.49	47.69' R	4.8'
E	12+92.57	47.45' R	5.1'
F	13+18.47	40.89' R	8.7'
G	13+ 9.53	32.24' R	7.31'
A	13+82.50	32.28' R	

POND "G-1A"
POND BOTTOM AREA PROVIDED = 826 SF
POND BOTTOM EL. = 1814.65
MINIMUM BERM EL. = 1815.65

POND BOTTOM LOCATION TABLE
SHIRE STATION & OFFSET (G-1B)

POINT	STATION	OFFSET	DISTANCE
A	10+73.78	81.6' LT.	
B	11+47.78	81.6' LT.	91.6'
C	11+71.47	39.7' LT.	42.8'
D	11+67.19	26.8' LT.	R=10.0'
E	10+68.91	25.7'	14.2'
A	10+67.11	15.9' LT.	C=A 56.4'

POND "G-1B"
POND BOTTOM AREA PROVIDED = 545' SF
POND BOTTOM EL. = 1814.65
MINIMUM BERM EL. = 1815.65



POND "G-2" DETAIL — 4

POND BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	13+09.31	44.1' RT.	
B	13+09.11	41.1' RT.	3.1'
C	12+94.27	36.7' RT.	R=15.0'
D	12+93.17	34.7' RT.	55.2'
E	12+14.63	39.4' RT.	R=5.0'
F	12+14.80	47.2' RT.	2.5'
G	12+10.27	47.2' RT.	R=2.0'
H	10+89.21	46.2' RT.	141.1'
			A R=15.0'

POND "G-2"
POND BOTTOM AREA PROVIDED = 1,005 SF
POND BOTTOM EL. = 1812.52
MINIMUM BERM EL. = 1813.52

LIMITS OF NEW ASPHALT

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 11/6/07
ACCEPTANCE EXPIRES: 11/6/09
PROJECTS LANE MILES: PUBLIC: 0.11
PROJECT LANE MILES PRIVATE: 0.64
CONSTRUCTION MAY NOT COMMENCE UNTIL ALL REQUIRED PERMITS ARE OBTAINED AND BEFORE DRAWINGS "AS-BUILTS" ARE SECURED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
"NOTE" PERMIT EXPIRES AFTER 270 DAYS
"NOTE" POND T DRAIN IN 2 PHASES DAYS PRIOR TO CONSTRUCTION

Applies to Phase 1 Designation Only. 11/9/07

GRAPHIC SCALE
(IN FEET)
1 inch = 80 ft.

NAVD-88 DATUM

DEVELOPERS APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/9/07	SRB	MYLAR SUBMITTAL TO SPOKANE COUNTY
	.....	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:	
HORIZONTAL:	1"=20'
VERTICAL:	N/A

PROJ #:	2004-65
DATE:	10/09/07
DRAWN:	MEK
APPROVED:	TRW

P-1786

IWCE
INLAND WEST COMPANY OF ENGINEERS
SPOKANE COUNTY ENGINEERING
CIVIL AND LAND DEVELOPMENT CONSULTANTS
CORPORATE OFFICE
N. 1910 MAIN AVE. SPOKANE, WASHINGTON 99205
PH. 509.328.9076 FAX 509.328.9096

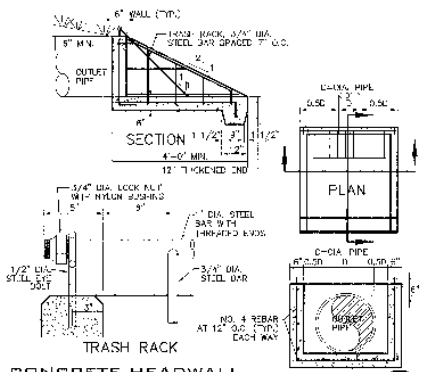
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
38 OF 43
JOB NUMBER
2004-65

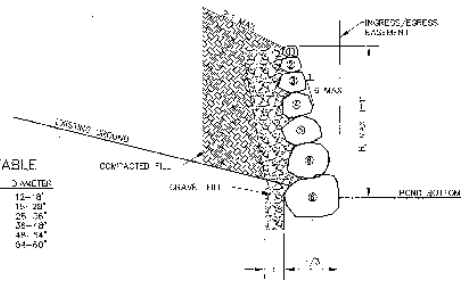
P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



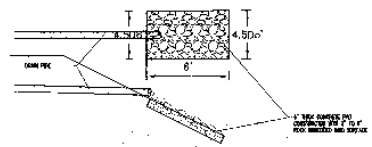
CONCRETE HEADWALL WITH TRASH RACK
NOT TO SCALE
1



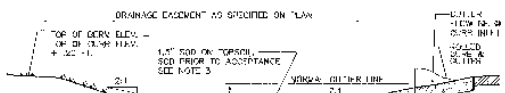
ROCK DESIGNATION TABLE

DESIGNATION	SIZE	WEIGHT	DIAMETER
1	1-MAN	50-200	12-18"
2	2-MAN	200-700	18-28"
3	3-MAN	700-2000	28-36"
4	4 MAN	2000-4000	36-48"
5	5-MAN	4000-6000	48-54"
6	6 MAN	6000-9000	54-60"

ROCK RETAINING WALL
NOT TO SCALE
2

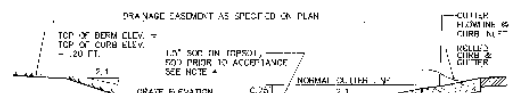


OUTFALL PAD DETAIL
NOT TO SCALE
3



NOTES:
1. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
2. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.
3. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE "R" CURB-TYPE "1" INLET-208
POND/SWALE WITHOUT DRYWELL
NOT TO SCALE
4



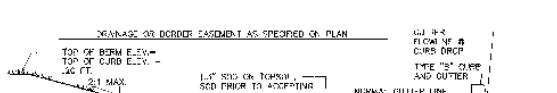
NOTES:
1. PROVIDE FILTER FABRIC (AMOCO 4548 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.
2. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
3. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL
4. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE "R" CURB-TYPE "1" INLET-208
POND/SWALE WITH DRYWELL
NOT TO SCALE
5

OFFICIAL PUBLIC DOCUMENT ORIGINAL
SPOKANE COUNTY DATED STAMP
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
ENGINEER'S INITIALS: MEK
PROJECT LAKE WILKES PRIVATE: Y
CONSTRUCTION DOCUMENTATION AND OPERATING RESPONSIBILITIES: THE BUILDER AND PLUMBING FROM THE DRAWING SHEETS SHALL BE THE RESPONSIBILITY OF THE BUILDER AND DRAINAGE FACILITIES FOR ENVIRONMENTAL PROTECTION AND ATTAINED.
NOTIFY PUBLIC WORKS 5 BUSINESS DAYS PRIOR TO CONSTRUCTION

NOTE:
SEE PLAN & PROFILE SHEETS FOR INLET INFORMATION

CHECK DAM
NOT TO SCALE
6



NOTES:
1. IF TWO OR MORE CURB INLETS ARE USED, SET POND BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
2. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS POND
3. IRRIGATION IS REQUIRED FOR SOD INSTALLATION

TYPE "B" CURB-TYPE "1" INLET-208
POND/SWALE-WITHOUT DRYWELL
NOT TO SCALE
7

NOTES:
1. PROVIDE FILTER FABRIC (AMOCO 4548 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.
2. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
3. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL
4. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE "B" CURB-TYPE "1" INLET-208 POND/SWALE WITH DRYWELL
NOT TO SCALE
8

NOTE:
GRASS SEED PRIVATE P3554, CLEAN, NEW CROP SEED TO BE USED WITH GUARANTEE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

70% ELKA PERENNIAL RYE
20% DURAR HARD FESCUE
10% COVAR SHEEP FESCUE
5% REDHENS CANADIAN BLUEGRASS

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

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-8 TIME 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.

TYPICAL SEEDING
NOT TO SCALE
9

NAVD-88 DATUM
VERTICAL DATUM
ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 88 DATUM. TO CONVERT TO NGVD-29 DATUM, ADD 2.71 FEET. TO OBTAIN ELEVATIONS RELATIVE TO THE CITY OF SPOKANE DATUM, SUBTRACT 1000 FEET FROM ELEVATIONS SHOWN ON THESE PLANS.

DEVELOPER'S APPROVAL
14/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/9/07	SER	MYLARS SUBMITTAL TO SPOKANE COUNTY
	10/05	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/05	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/26/2007
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CONSULTING ENGINEERS, INC.
CIVIL AND TRANSPORTATION ENGINEERING
CONTACT: TOM L. HOGGATT, P.E.
N. 35 PINE STREET, SUITE 201
SPOKANE, WASHINGTON 99201
PHONE: (509) 838-8007
FAX: (509) 838-8008

P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

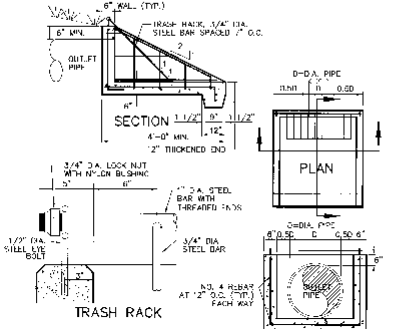
SHEET
39 OF 43

JOB NUMBER
2004-65

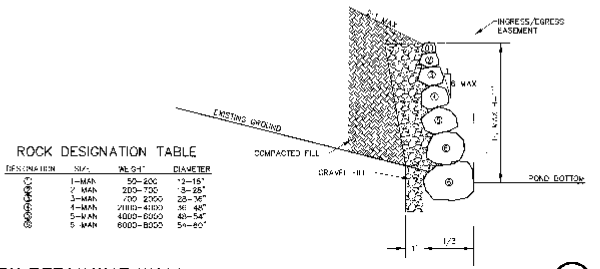
P-1786 Engineered Drawings

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



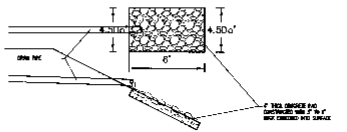
CONCRETE HEADWALL WITH TRASH RACK
NOT TO SCALE
1



ROCK DESIGNATION TABLE

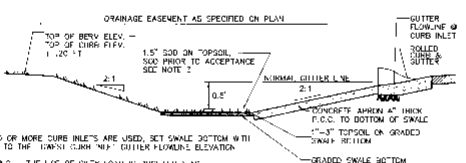
DESIGNATION	SIZE	WEIGHT	DIAMETER
①	1-MAN	50-200	12-18"
②	2 MAN	200-700	18-28"
③	3-MAN	700-2000	28-36"
④	4-MAN	2000-4000	36-48"
⑤	5-MAN	4000-6000	48-54"
⑥	5 MAN	6000-8000	54-60"

ROCK RETAINING WALL
NOT TO SCALE
2



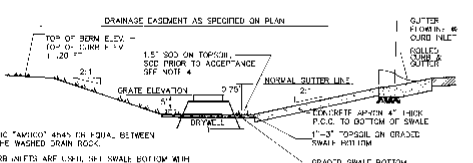
OUTFALL PAD DETAIL
NOT TO SCALE
3

-PHASE 1-



NOTES:
1. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
2. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.
3. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE "R" CURB-TYPE "1" INLET-208
POND/SWALE WITHOUT DRYWELL
NOT TO SCALE
4



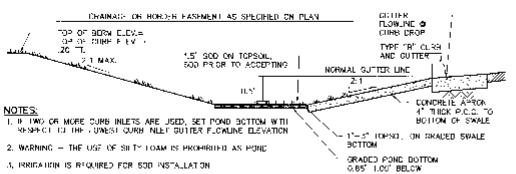
NOTES:
1. PROVIDE FILTER FABRIC "AMOCO" 4545 OR EQUA., BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.
2. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
3. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.
4. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE "R" CURB-TYPE "1" INLET-208
POND/SWALE WITH DRYWELL
NOT TO SCALE
5

NOTE:
SEE PLAN & PROFILE SHEETS FOR INLET INFORMATION.

CHECK DAM -PHASE 1-
NOT TO SCALE
6

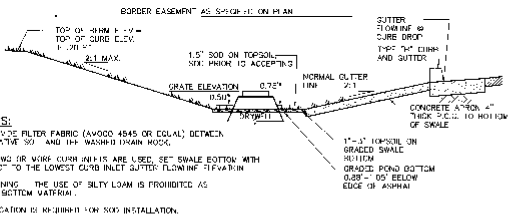
SPOKANE COUNTY PUBLIC WORKS
ORIGINAL PUBLIC DOCUMENT
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 10/6/07
ACCEPTANCE EXPIRES: 10/6/09
PROJECTS ARE MADE PUBLIC AT
PUBLIC LANE MILES PRIVATE 2.84
CONSTRUCTION DOCUMENTATION WAS OBTAINED
RECORD DRAWINGS "AS-BUILTS" ARE REQUIRED PRIOR TO ISSUANCE OF FINAL ACCEPTANCE OF ALL ROADS AND DRAINAGE FACILITIES WITHIN THIS PROJECT
VERIFY FINAL EXPIRATION DATE WITH PUBLIC WORKS CONSTRUCTION



NOTES:
1. IF TWO OR MORE CURB INLETS ARE USED, SET POND BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
2. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS PONE
3. IRRIGATION IS REQUIRED FOR SOD INSTALLATION

TYPE "B" CURB-TYPE "1" INLET-208
POND/SWALE-WITHOUT DRYWELL
NOT TO SCALE
7

-PHASE 1-



NOTES:
1. PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.
2. IF TWO OR MORE CURB INLETS ARE USED, SET SWALE BOTTOM WITH RESPECT TO THE LOWEST CURB INLET GUTTER FLOWLINE ELEVATION
3. WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS SWALE BOTTOM MATERIAL.
4. IRRIGATION IS REQUIRED FOR SOD INSTALLATION.

TYPE 'B' CURB-TYPE "1" INLET-208 POND/SWALE WITH DRYWELL
NOT TO SCALE
8

-PHASE 1-

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:

- 10% ELKA PERENNIAL RYE
- 20% DURAR HARD FESCUE
- 45% COVAR SHEEP/FESCUE
- 15% RHIZOMES CANADIAN BLUEGRASS

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

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

ALL SEEDING OF SLOPES SHALL BE ALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SECTION 8-01.

Applies to Phase 1 Designation Only.

TYPICAL SEEDING
NOT TO SCALE
9

-PHASE 1-

NAVD-88 DATUM
SET DRILL HOLE IN WATER PLATE FOR P.O.B. 388.90', TIE IN ACCORDANCE WITH RECORD OF SURVEY OF THE INTERSECTION OF THE NORTH AND PARMELL ROAD

DEVELOPERS' APPROVAL

10/24/07
DATE

NO	DATE	BY	REVISIONS
	10/5/07	MEK	ORIGINAL PLAN PREPERATION
	10/8/07	SER	MYLARS SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY

P-1786

SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/8/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CIVIL ENGINEERING, INC.
"DEDICATED TO EXCELLENCE"
2903 NORTH EQUITY ROAD
SPOKANE VALLEY, WASHINGTON 99212
PHONE (509) 926-7886 FAX (509) 926-7887

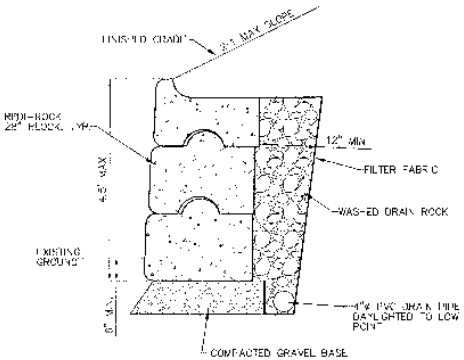
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
38 OF 43
JOB NUMBER
2004-65

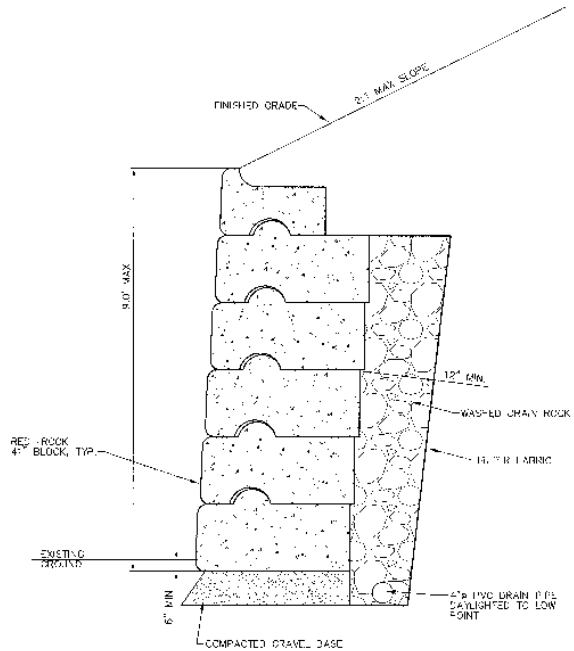
P-1786 Eng Prod - Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

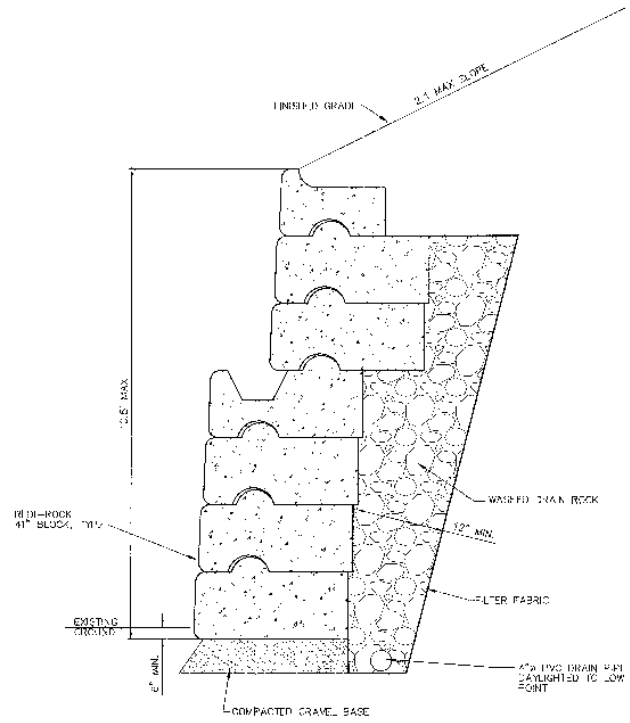
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



4' MAX. RETAINING WALL DETAIL (1 / 398)
NOT TO SCALE



9' MAX. RETAINING WALL DETAIL (2 / 398)
NOT TO SCALE



10.5' MAX. RETAINING WALL DETAIL (3 / 398)
NOT TO SCALE

SPOKANE COUNTY ENGINEER
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 12/18/07
ORIGINAL WORK LICENSE: 12/18/09
PROJECT LANE MILES PRIVATE: 2.84
CONSTRUCTION DOCUMENTATION AND INSPECTION
WORK SHOWN ON THESE PLANS SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED ENGINEER. AS-BUILTS ARE REQUIRED UPON COMPLETION OF THE WORK AND SHALL BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. REFER TO SPOKANE COUNTY STANDARDS FOR ADDITIONAL REQUIREMENTS.
PERMIT EXPIRES ONE (1) YEAR FROM ISSUANCE
NOTIFY PERMIT SECTION 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

EXPIRES: 12/24/09

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/8/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/9/07	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MER	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MAT
APPROVED: TRW

P-1786

IWCE
INLAND WEST CIVIL ENGINEERS
SPOKANE, WASHINGTON

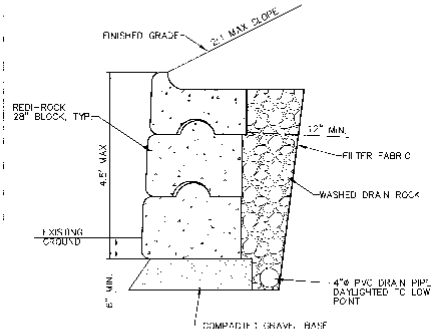
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
RETAINING WALL DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 398 OF 43
JOB NUMBER 2004-65

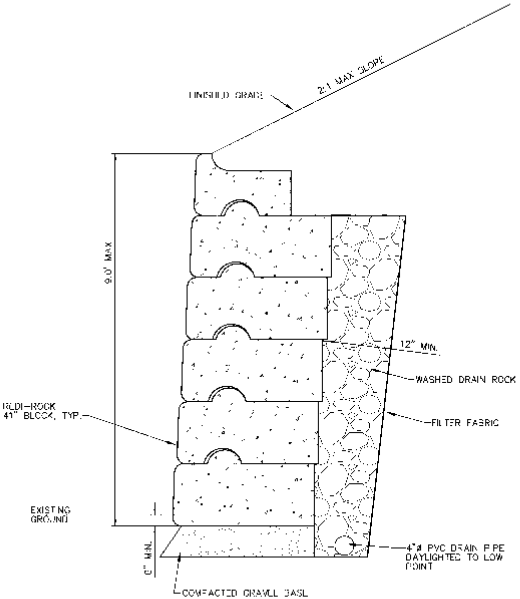
P-1786 England Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

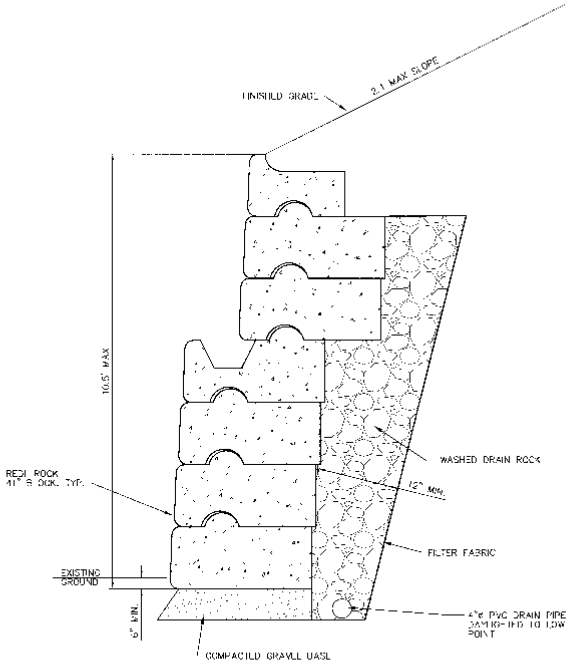
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



4' MAX. RETAINING WALL DETAIL (1/39B)
NOT TO SCALE
-PHASE 1-



9' MAX. RETAINING WALL DETAIL (2/39B)
NOT TO SCALE
-PHASE 1-



10.5' MAX. RETAINING WALL DETAIL (3/39B)
NOT TO SCALE

7/30/12
Applies to Phase 1 Designation Only.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: [illegible]
PROJECTS LANE MILES: PUBLIC: [illegible]
PROJECT LANE MILES PRIVATE: [illegible]
CONSTRUCTION DOCUMENTATION AND TESTING
REQUIRED DRAWINGS, TAB-BILL OF MATERIALS, AND TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF BUT ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED (NOT AS SHOWN)
MUST PERMIT PROVIDE 5 INSPECTION DAYS PRIOR TO CONSTRUCTION

EXPIRES 1/24/07

P-1786

NAVD-88 DATUM
VERTICAL DATUM
BASED ON BASE DISK OF SEDIMENT SET IN CONCRETE WALL AT THE NORTHWEST CORNER OF THE INTERSECTION OF SEDIMENT AND WALL ROAD

DEVELOPERS APPROVAL — DATE 10/24/07

NO	DATE	BY	REVISIONS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/09/07
DRAWN: MAT
APPROVED: TRW

WCE
CONSULTING ENGINEERS
SPOKANE VALLEY, WASHINGTON

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
RETAINING WALL DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 39B OF 43
JOB NUMBER 2004-65

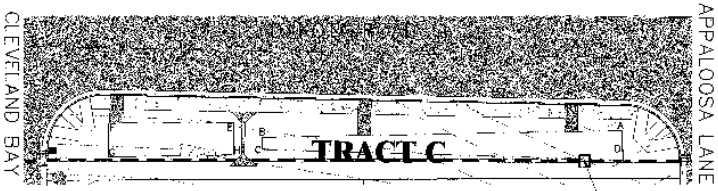
P-1786 Engloved Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CLEVELAND BAY LANE "1"

APPALOOSA LANE "1"



GRAPHIC SCALE

1 INCH = 20 FEET

N
W E
S

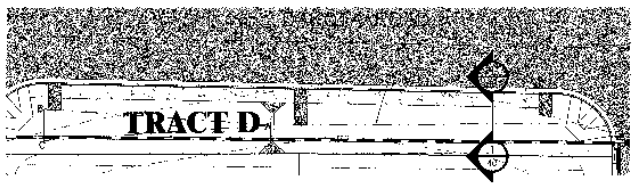
SWALE BOTTOM LOCATION TABLE DAKOTA STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
E	12+79.33	26.0' RT.	44.21'
F	11+74.32	27.1' RT.	12.20'
G	11+74.32	39.1' RT.	44.21'
H	12+79.33	37.6' RT.	1.6'
E	12+79.33	26.0' RT.	

SWALE BOTTOM LOCATION TABLE DAKOTA STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	13+57.93	26.0' RT.	
B	12+29.59	31.0' RT.	28.34'
C	12+29.59	30.3' RT.	1.32'
D	13+58.24	24.0' RT.	28.85'
A	13+57.93	26.0' RT.	8.00'

SWALE TRACT "C"
SWALE BOTTOM AREA PROVIDED = 1,010 SF
SWALE BOTTOM FL = VARIES @ 1%

TRACT "C" (A)

STONE HORSE BLUFF LANE "1"



GRAPHIC SCALE

1 INCH = 20 FEET

N
W E
S

SWALE BOTTOM LOCATION TABLE DAKOTA STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	13+12.77	32.0' RT.	78.16'
B	14+33.58	26.0' RT.	12.00'
C	14+33.58	37.3' RT.	78.16'
A	13+12.77	32.0' RT.	

SWALE TRACT "D"
SWALE BOTTOM AREA PROVIDED = 445 SF
SWALE BOTTOM FL = VARIES @ 1%

TRACT "D" (B)

"V"-DITCH CROSS SECTION (1)

NO SCALE

SPOKANE COUNTY PUBLIC WORKS
ORIGINAL PLANS DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: Engr
DATE ACCEPTED: 12/11/07
ACCEPTANCE EXPIRES: 12/11/09
PROJECTS LANE MILES: PUBLIC: 0.12
PROJECT LANE MILES: PRIVATE: 0.00
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS AS BUILT ARE REQUIRED PRIOR TO FINAL ACCEPTANCE AND RELEASE OF ANY PERFORMANCE OR DEFECT AND GUARANTEE SECURITIES FOR PERFORMANCE
VERIFY TODAY'S DIGSAFE DATE PRIOR TO CONSTRUCTION

DIGSAFE 1-800-424-5555

NAVD-88 DATUM

DEVELOPER'S APPROVAL 10/24/07 DATE

P-1786

NO.	DATE	BY	REVISIONS
	10/9/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/9/07
DRAWN: MEK
APPROVED: TRW

IWCE
CIVIL ENGINEERS & LAND SURVEYORS
421 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99037
(509) 924-7688 FAX (509) 924-9290

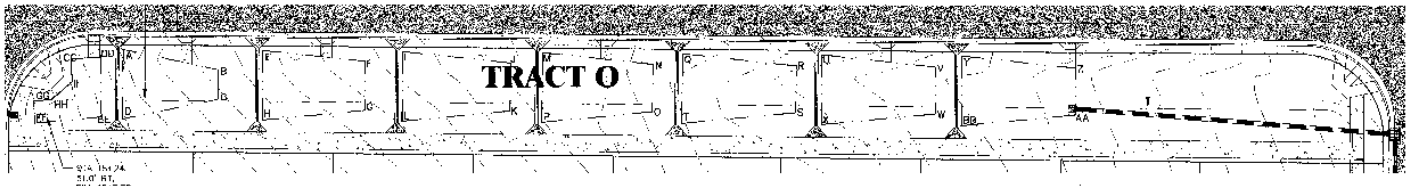
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
40 OF 43
JOB NUMBER
2004-65

P-1786 Eng Prod Drawing

SE 1/4 SECTION 5, T. 25 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 25 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



GRAPHIC SCALE
(IN FEET)
1 inch = XX ft.

SWALE TRACT "O"
SWALE BOTTOM AREA PROVIDED = 5845 SF
SWALE BOTTOM EL. = VARIES ± 1%

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
CC	18+35.56	32.4' RT.	10.7'
DD	18+41.27	32.0' RT.	21.6'
EE	19+41.19	53.3' RT.	24.5'
FF	19+21.04	55.4' RT.	8.0'
GG	19+20.21	47.9' RT.	8.3'
HH	19+20.14	47.2' RT.	9.9'
II	19+20.08	46.7' RT.	8.7'
JJ	18+40.58	32.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	18+52.23	26.5' R.	35.0'
B	18+25.84	36.5' RT.	11.0'
C	18+26.02	46.4' RT.	25.0'
D	18+52.66	53.4' RT.	25.0'
A	18+52.23	29.5' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
E	19+06.09	28.6' RT.	36.0'
F	19+36.11	32.6' RT.	17.5'
G	19+36.19	49.3' RT.	16.5'
I	19+02.13	53.8' RT.	25.0'
J	19+02.09	28.6' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
I	16+51.76	26.5' RT.	39.0'
J	16+90.47	32.4' RT.	18.5'
K	16+90.34	46.8' RT.	38.5'
L	16+52.23	53.1' RT.	25.0'
I	16+51.79	26.5' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
M	20+52.30	26.8' R.	39.0'
N	20+11.22	32.3' R.	18.5'
O	20+11.35	49.5' R.	39.0'
P	20+51.89	53.5' R.	25.0'
M	20+52.30	26.8' R.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Q	20+51.77	28.9' RT.	41.0'
R	20+92.89	32.0' RT.	17.5'
S	20+92.54	49.7' RT.	41.0'
T	20+52.14	53.4' RT.	25.0'
Q	20+51.74	28.9' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

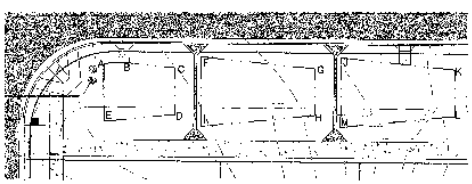
POINT	STATION	OFFSET	DISTANCE
U	21+07.55	28.8' RT.	41.0'
V	21+42.15	33.0' RT.	17.5'
W	21+41.97	49.7' RT.	41.0'
X	21+02.37	54.0' RT.	25.0'
U	21+01.52	28.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Y	21+01.75	28.7' RT.	41.0'
Z	21+05.54	27.6' RT.	4.5'
AA	21+09.42	49.7' RT.	41.0'
BB	21+51.81	54.0' RT.	25.0'
Y	21+51.73	28.7' RT.	

TRACT "O"

A



SWALE TRACT "O-1"
SWALE BOTTOM AREA PROVIDED = 2192 SF
SWALE BOTTOM EL. = VARIES ± 1%

GRAPHIC SCALE
(IN FEET)
1 inch = XX ft.

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	23+52.23	31.4' RT.	5.0'
B	23+71.10	30.6' RT.	20.0'
C	23+92.06	32.7' RT.	16.5'
D	22+92.41	45.4' RT.	25.0'
E	23+[illegible]	[illegible]	23.5'
A	23+52.23	31.4' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

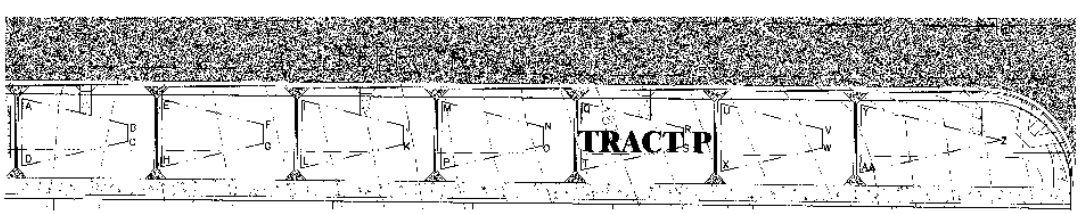
POINT	STATION	OFFSET	DISTANCE
-	24+07.74	28.6' RT.	41.0'
-	24+43.44	35.1' RT.	17.5'
-	24+42.80	45.4' RT.	4.5'
-	24+07.93	53.0' RT.	25.0'
F	24+24.24	28.6' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
J	24+02.16	28.6' RT.	41.0'
K	24+42.63	32.8' RT.	17.5'
L	24+42.51	49.0' RT.	41.0'
M	24+01.95	53.8' RT.	25.0'
J	24+02.16	28.6' RT.	

TRACT "O"

B



GRAPHIC SCALE
(IN FEET)
1 inch = XX ft.

SWALE, TRACT "P"
SWALE BOTTOM AREA PROVIDED = 2280 SF
SWALE BOTTOM EL. = VARIES ± 1%

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	141+01.97	29.0' RT.	35.0'
B	141+36.89	34.4' RT.	6.5'
C	141+36.66	44.2' RT.	35.0'
D	141+02.16	53.1' RT.	24.0'
A	141+02.62	29.0' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
F	141+30.14	28.9' RT.	35.0'
G	141+66.05	34.0' RT.	6.5'
H	141+65.80	44.2' RT.	35.0'
I	141+02.16	53.1' RT.	24.0'
E	141+02.54	28.9' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
-	10+01.91	28.8' RT.	35.0'
J	10+36.21	33.8' RT.	6.5'
-	10+35.99	44.0' RT.	35.0'
-	10+02.27	52.6' RT.	24.0'
-	10+01.91	28.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
M	13+32.98	28.7' RT.	37.0'
N	13+88.05	32.9' RT.	8.5'
O	13+88.06	44.2' RT.	37.0'
P	13+51.89	52.8' RT.	24.0'
K	13+52.58	28.7' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Q	16+01.63	25.5' RT.	37.5'
R	16+38.45	37.2' RT.	6.0'
S	16+37.96	43.5' RT.	37.5'
T	16+02.10	53.5' RT.	24.0'
Q	16+01.63	26.5' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
U	15+02.38	29.3' RT.	37.5'
V	15+38.23	37.9' RT.	6.0'
W	15+38.17	43.1' RT.	37.5'
X	15+51.71	53.1' RT.	24.0'
U	15+52.38	29.3' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Y	17+05.45	29.9' RT.	5.0'
Z	17+05.22	40.7' RT.	11.0'
AA	17+05.08	51.7' RT.	24.0'
BB	17+02.45	29.9' RT.	

TRACT "P"

C

STONE CORP. PUB. WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2004-65
DATE ACCEPTED FOR PUBLIC USE 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS ARE VALID: PUBLIC 2 YR
PROJECT LANE ☐ 2 YR PRIVATE 2 YR
CONSTRUCTION, MAINTENANCE AND OPERATION
REGIONAL DRAINAGE, TAC, B.M.'S, & AS RECORDED PLATS
TO BE NOT ACCEPTANCE AND RESPONSIBILITY OF THE
ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
REPORT TO DEVELOPER ONLY AT THIS
NOTE: STONE OWNER'S DIRECTION IS
PRIOR TO CONSTRUCTION

NAVD-88 DATUM

DEVELOPER'S APPROVAL — DATE 10/24/07

10/3/07	SRB	MYLAR SUBMITTAL TO SPOKANE COUNTY	
------	MAT	SUBMITTAL TO SPOKANE COUNTY	
10/08	MEK	ORIGINAL PLAN PREPERATION	
NO.	DATE	BY	REVISIONS

SCALE:
HORIZONTAL: 1 = 20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/00/07
DRAWN: MEK
APPROVED: TRW

P-1786

WCE
WHIPPLE CONSULTING ENGINEERS

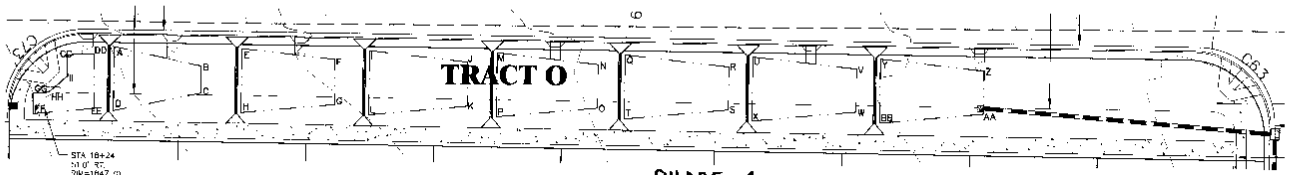
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
41 OF 43
JOB NUMBER
2004-65

P-1786

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



SWALE TRACT "O"
SWALE BOTTOM AREA PROVIDED = 5845 SF
SWALE BOTTOM EL. = VARIES ≤ 1%

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
CC	18+33.56	32.4' RT.	13.0'
DD	18+44.27	32.6' RT.	21.5'
EE	18+44.19	53.3' RT.	24.0'
FF	18+26.09	55.7' RT.	8.0'
GG	18+26.2	47.9' RT.	6.5'
HH	18+26.44	47.2' RT.	9.0'
I	18+33.56	40.1' RT.	8.3'
JJ	18+33.56	32.4' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	18+52.73	29.0' RT.	35.0'
B	18+86.54	36.0' RT.	11.0'
C	18+96.02	46.4' RT.	35.0'
D	18+82.86	53.4' RT.	25.0'
E	18+72.23	28.0' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
E	15+02.09	28.0' RT.	36.0'
F	14+68.11	32.6' RT.	7.5'
G	19+38.40	40.1' RT.	36.0'
H	19+02.13	53.8' RT.	25.0'
E	19+02.09	28.0' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
I	19+51.79	28.5' RT.	39.0'
J	19+90.47	32.4' RT.	7.5'
K	19+90.30	40.1' RT.	39.0'
H	19+52.13	53.8' RT.	25.0'
I	19+51.79	28.5' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
M	20+02.30	28.8' RT.	39.0'
N	20+41.22	32.4' RT.	7.5'
O	20+41.35	40.2' RT.	39.0'
P	20+02.96	53.9' RT.	25.0'
M	20+02.30	28.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Q	20+51.74	28.8' RT.	41.0'
R	20+92.68	32.6' RT.	17.0'
S	20+92.54	49.6' RT.	41.0'
T	20+52.8	53.4' RT.	25.0'
Q	20+51.74	28.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

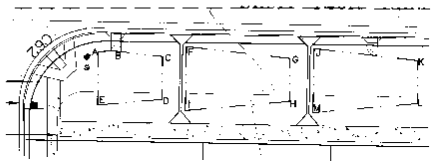
POINT	STATION	OFFSET	DISTANCE
U	21+01.74	28.8' RT.	41.0'
V	21+42.33	33.0' RT.	17.0'
W	21+41.94	49.2' RT.	41.0'
X	21+02.37	54.0' RT.	25.0'
U	21+01.80	28.8' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
V	21+51.74	28.8' RT.	41.0'
Z	21+92.54	32.6' RT.	17.0'
AA	21+92.42	49.1' RT.	41.0'
BB	21+51.81	53.6' RT.	25.0'
Y	21+51.78	28.7' RT.	

TRACT "O"

A



SWALE TRACT "O-1"
SWALE BOTTOM AREA PROVIDED = 2192 SF
SWALE BOTTOM EL. = VARIES ≤ 1%

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

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	23+67.22	31.6' RT.	5.0'
H	23+71.10	30.8' RT.	29.0'
G	23+97.69	32.7' RT.	16.5'
D	23+92.41	49.4' RT.	25.0'
E	23+68.00	51.7' RT.	20.5'
A	23+67.22	31.4' RT.	

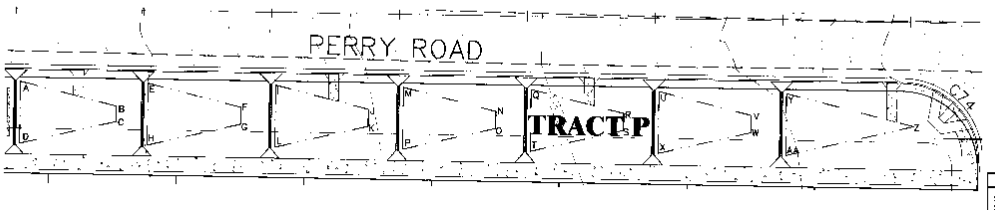
SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
F	24+01.74	25.6' RT.	41.0'
G	24+42.44	33.1' RT.	17.0'
I	24+42.80	49.4' RT.	41.0'
D	24+01.93	53.5' RT.	25.0'
F	24+01.74	28.5' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
J	24+10.15	28.6' RT.	41.0'
K	24+32.53	32.8' RT.	17.0'
L	24+32.53	49.0' RT.	41.0'
V	24+51.80	53.6' RT.	25.0'
J	24+10.15	28.6' RT.	

B



SWALE TRACT "P"
SWALE BOTTOM AREA PROVIDED = 3997 SF
SWALE BOTTOM EL. = VARIES ≤ 1%

Applies to Phase 1 Designation Only.

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
A	41+32.82	29.0' RT.	38.0'
D	44+39.10	38.4' RT.	8.0'
C	14+39.65	44.2' RT.	37.0'
D	14+40.10	53.1' RT.	13.0'
A	14+01.32	28.0' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
E	14+52.14	28.2' RT.	36.0'
F	14+88.00	38.0' RT.	6.5'
G	14+88.11	44.7' RT.	37.0'
H	14+52.15	83.5' RT.	24.0'
E	14+52.04	28.2' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
	15+01.91	29.1' RT.	37.5'
I	15+38.21	36.8' RT.	7.5'
J	15+37.99	44.1' RT.	37.0'
K	15+02.37	52.6' RT.	24.0'
I	15+01.91	29.1' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
M	15+52.26	28.7' RT.	37.0'
N	15+88.01	37.6' RT.	6.5'
O	15+87.99	44.2' RT.	37.0'
P	15+51.98	82.8' RT.	24.5'
M	15+52.26	28.7' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Q	15+01.63	28.9' RT.	37.5'
R	15+38.45	37.6' RT.	7.5'
S	15+37.99	44.2' RT.	37.0'
T	15+02.10	81.5' RT.	24.5'
Q	15+01.63	28.9' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

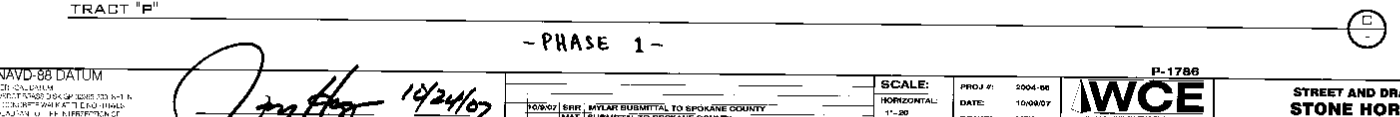
POINT	STATION	OFFSET	DISTANCE
U	16+51.98	28.3' RT.	37.0'
V	16+88.41	37.6' RT.	6.0'
W	16+88.11	44.1' RT.	37.0'
X	16+51.74	83.1' RT.	24.5'
U	16+52.18	28.3' RT.	

SWALE BOTTOM LOCATION TABLE
PERRY STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE
Y	17+02.45	28.4' RT.	31.0'
Z	17+31.23	40.7' RT.	31.0'
AA	17+02.18	53.5' RT.	24.0'
Y	17+02.45	28.4' RT.	

TRACT "P"

C



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS ANP WILLS: PUBLIC 612
PROJECT LAND USE PRIVATE: 2 69
CONSTRUCTION LOCALIZATION AND CENTRE:
RECORD DRAWINGS TO BE SUBMITTED PRIOR TO 50% OCCUPANCY OR FINAL INSPECTION
PUBLIC WORKS ENGINEERING & PLANNING SUBMITTAL
SUBMIT TO SCOTT JONES
SCOTT JONES 509-477-3600 HTC-3613
PRIOR TO 50% OCCUPANCY

NAVD-88 DATUM

DEVELOPER'S APPROVAL

12/24/07
DATE

NO.	DATE	BY	REVISIONS
	10/8/07	SRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
	------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/08	MEK	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

P-1786

WCE
WESTERN CONSULTING ENGINEERS, INC.
CIVIL CONSULTING ENGINEERS
LAND DEVELOPMENT CONSULTANTS
SURVEYING
PLANNING
WATER RIGHTS ADMINISTRATION
P.O. BOX 683 / 307 W. 2ND AVE
ODESSA, WASHINGTON 99159
(509) 982-2691 / FAX (509) 982-2820

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
41 OF 43

JOB NUMBER
2004-65

P-1786

EROSION CONTROL PLAN
STONE HORSE BLUFF
SPOKANE COUNTY, WASHINGTON
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
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.

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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 APPLICATIONS CONSISTENT WITH THE CONTRACTOR'S 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.

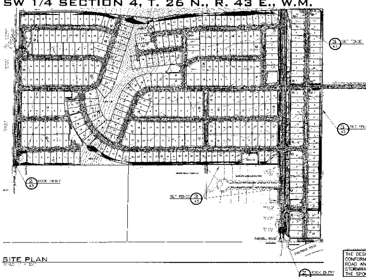
19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE **SPOKANE COUNTY** ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

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.

LOCATION

GENERALLY LOCATED WEST OF THE DAKOTA ROAD RIGHT-OF-WAY, NORTH OF FARWELL ROAD, EAST OF PITTSBURG STREET AND SOUTH OF THE WANDERMERE GOLF COURSE, IN THE SE 1/4 OF SECTION 5 AND THE SW 1/4 OF SECTION 4, TOWNSHIP 26 NORTH, RANGE 43 EAST, WM, SPOKANE COUNTY, WASHINGTON.

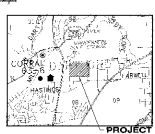
COUNTY ASSESSOR TAX PARCEL NOS. 36054.0133 THROUGH 36054.0136, 36042.0106 AND 36043.0126; EXCLUDING THOSE PORTIONS BEING CONDEMNED BY THE STATE OF WASHINGTON FOR THE NORTH SPOKANE CORRIDOR ALIGNMENT.



SITE PLAN
SCALE: 1" = 200'

LEGEND

⊕	GRAVEL AND WIRE MESH INLET SEDIMENT FILTER.
—x—x—x—	SILT FENCE. SEE DETAIL 1 SHEET 43 AND GENERAL NOTE 5.
(hatched)	ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 SHEET 43 AND GENERAL NOTE 6.



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.

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.

[signature] 10/10/07
ENGINEER

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

ROADWAY AGENCY
SPOKANE COUNTY ENGINEERS
1026 WEST BROADWAY AVENUE
SPOKANE, WA 99260
PHONE: 509-477-3600
CONTACT: MATT ZARECOR, P.E.

FIRE DEPARTMENT
MEAD FIRE DISTRICT NO. 9
3801 EAST FARWELL ROAD
MEAD, WA 99021
PHONE: 509-466-4602
FAX: 509-466-4690
CONTACT: DAN WALSH

WATER PURVEYOR
SPOKANE COUNTY WATER DIST. NO. 3
EAST 5221 DESMET
SPOKANE, WA 99211
PHONE: 509-536-0121
FAX: 509-534-3760
CONTACT: TY WICK

INSPECTION
ALLWEST
12528 EAST INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4411
FAX: 509-534-9326
CONTACT: PAUL T. NELSON, P.E.

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

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WA 99202
PHONE: 509-453-2580
FAX: 509-455-2104
CONTACT: DAVE CLARK

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WA 99207
PHONE: 509-484-4931
EXTENSION: 53240
CONTACT: BRYAN RICHARDSON

SURVEYOR
LANDTEK, LLC
624 NORTH MADELIA STREET
SPOKANE, WA 99202
PHONE: 509-928-2621
FAX: 509-928-2738
CONTACT: BRUCE R. LARSEN, P.L.S.

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-489-4744
CONTACT: LOIS McCAIN

POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-8052
CONTACT: DAVE SALCIDO

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-456-3400

OWNER
STONEHORSE, LLC
EAST 815 ROSEWOOD
SPOKANE, WA 99208
PHONE: 489-4260
CONTACT: JERRY HIGGINS

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1786
DATE ACCEPTED: 12/4/07
ACCEPTANCE EXPIRES: 12/4/09
PROJECTS LANE MILES: PUBLIC: 2.17
PROJECT LANE MILES PRIVATE: 2.89
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

NAVD-88 DATUM
BENCHMARK: ... BRASS DISK ... IN A CONCRETE ... AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF ... ROAD ...
ELEV = ... (NAVD-88)

[signature] 10/24/07
DEVELOPER'S APPROVAL DATE

NO.	DATE	BY	REVISIONS
	10/9/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
		MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: 1"=200'
VERTICAL: N.A.

PROJ #: 2004-65
DATE: 10/08/07
DRAWN: MEK
APPROVED: TRW

P-1786

WCE
WHIPPLE CONSULTING ENGINEERS
CIVIL AND TRANSPORTATION ENGINEERING

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
EROSION CONTROL COVER
SPOKANE COUNTY, WASHINGTON

SHEET
42 OF 43

JOB NUMBER
2004-65

P 1786 Eng Road-Drainage

EROSION CONTROL PLAN

STONE HORSE BLUFF
SPOKANE COUNTY, WASHINGTON
SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 1-800 424-5555 CALL TWO WORKING DAYS BEFORE YOU DIG

GENERAL NOTES

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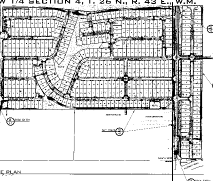
LOCATION

GENERALLY LOCATED WEST OF THE [illegible] RIGHT OF WAY, NORTH OF FARWELL ROAD, EAST OF PITTSBURGH STREET AND SOUTH OF THE WANDERMERE GOLF COURSE, IN THE SE 1/4 OF SECTION 5 AND THE SW 1/4 OF SECTION 4, TOWNSHIP 26 NORTH, RANGE 43 EAST, WM, SPOKANE COUNTY, WASHINGTON.

COUNTY ASSESSOR TAX PARCEL NOS. 36054.0133 THROUGH 36054.0138, 36043.0129 AND 36043.0126 EXCLUDING THOSE PORTIONS BEING CONDEMNED BY THE STATE OF WASHINGTON FOR THE NORTH SPOKANE CORRIDOR ALIGNMENT.



SITE PLAN

LEGEND

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER.

SILT FENCE. SEE DETAIL 1 SHEET 43 AND GENERAL NOTE 5.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 SHEET 43 AND GENERAL NOTE 6.

VICINITY MAP

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.

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.

[signature] 10/10/07

N / W / E / S

GRAPHIC SCALE

ROADWAY AGENCY
SPOKANE COUNTY ENGINEERS
1026 WEST BROADWAY AVENUE
SPOKANE, WA 99260
PHONE: 509-477-3600
CONTACT: MATT ZARECOR, P.E.

FIRE DEPARTMENT
MEAD FIRE DISTRICT NO. 9
3801 EAST FARWELL ROAD
MEAD, WA 99021
PHONE: 509-466-4602
FAX: 509-466-4638
CONTACT: SAM WALS

WATER PURVEYOR
SPOKANE COUNTY WATER DIST. NO. 3
EAST 5221 DESMET
SPOKANE, WA 99211
PHONE: 509-536-0121
FAX: 509-534-3790
CONTACT: TY WICK

INSPECTION
ALLWEST
12826 EAST INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4417
FAX: 509-534-9126
CONTACT: PAUL E. NELSON, P.E.

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

TELEPHONE
QWEST
904 NORTH COLUMBUS
SPOKANE, WA 99202
PHONE: 509-455-2582
FAX: 509-455-2104
CONTACT: DAVE CLARK

CABLE
COMCAST BROADBAND
1717 EAST BUCKEYE
SPOKANE, WA 99207
PHONE: 509-484-4931
EXTENSION: 53245
CONTACT: BRYAN [illegible]

SURVEYOR
[illegible], LLC
624 NORTH MADELIA STREET
SPOKANE, WA 99202
PHONE: 509-536-3931
FAX: 509-926-2736
CONTACT: BRUCE R. LARSEN, P.L.S.

NATURAL GAS
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-4741
CONTACT: TOM McCAIN

POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 509-495-8082
CONTACT: DAVE SALCIDO

SOLID WASTE
WASTE MANAGEMENT
PHONE: 509-466-3400

OWNER
STONEHORSE, LLC
EAST 815 ROSEWOOD
SPOKANE, WA 99208
PHONE: 489-4200
CONTACT: JERRY HIGGINS

NAVD-88 DATUM
VERTICAL DATUM [illegible]

[signature] 10/24/07
DEVELOPER'S APPROVAL DATE

Applies to Phase 1 Designation Only.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: [illegible]
DATE ACCEPTED: [illegible]
ACCEPTANCE EXPIRES: [illegible]
PROJECT LANE MILES PUBLIC: [illegible]
PROJECT LANE MILES PRIVATE: [illegible]

P-1786

NO.	DATE	BY	REVISIONS
	10/XX/07	SRK	MYLAR SUBMITTAL TO SPOKANE COUNTY
	-------	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPARATION

SCALE:	
HORIZONTAL:	1"=200'
VERTICAL:	N.A.

PROJ #:	2004-65
DATE:	10/08/07
DRAWN:	MEK
APPROVED:	TRW

IWCE

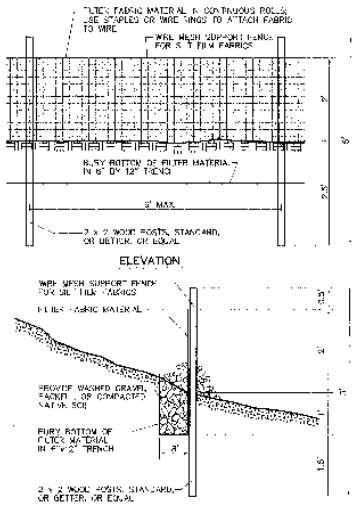
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
EROSION CONTROL COVER
SPOKANE COUNTY, WASHINGTON

SHEET 42 OF 43
JOB NUMBER 2004-65

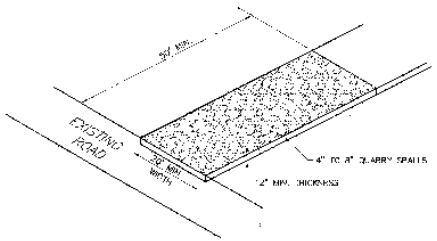
P 1786 Eng Road-Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E., W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E., W.M.

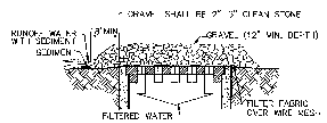
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG



SILT FENCE DETAIL (1)
NOT TO SCALE



ROCK CONSTRUCTION ENTRY (2)
NOT TO SCALE



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER (3)
NOT TO SCALE

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 SWPPP RAINS 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 FLOWING OFF SITE, OR INTO NEIGHBORING PROPERTIES, OR INTO STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR CURB-AND-GUTTERS.

4) GEOTEXTILE FABRIC IS TO BE PLACED ON THE INLETS, 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 INSPECTING ROCK CONSTRUCTION ENTRANCES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE, SEE DETAIL THIS SHEET.

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

8) PROPERTY OWNER: HARLEY DOUGLASS, (509) 487-6792. PERMIT APPLICANT: HARLEY DOUGLASS, (509) 487-9792. CONTACT PERSON ON SITE: HARLEY DOUGLASS, (509) 487-9792.

9) PROJECT LOCATION: SPOKANE COUNTY, NORTH OF FARWELL ROAD IN SECTIONS 4 AND 5, TOWNSHIP 26N., RANGE 43E., W.M.

10) PROJECT DESCRIPTION: STONE HORSE BLUFF IS A RESIDENTIAL SUBDIVISION CONSISTING OF 84 ACRES LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 10,000 LINEAR FEET OF NEW PUBLIC STREETS WITH ASSOCIATED CURBING.

11) 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.

12) EXISTING VEGETATION: FIELD GRASS AND PONDEROSA PINE.

13) PLAN PREPARATION DATE: OCTOBER 2006.

14) SOILS: ON SITE SOILS, SPRINGDALE GRAVELLY SANDY LOAM, (SnB) AND MARBLE LOAMY COARSE SAND (MdC).

15) **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 GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL AT A RATE OF 60 lbs/ACRE.

16) **CONTROL OF POLLUTANTS:**
ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.

17) **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.

18) ON-SITE 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. ALL SITE GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRIVEWAYS, ETC.

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 MEASURES 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.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
APPROVED BY: PTRW
DATE ACCEPTED: 10/24/07
ACCEPTANCE EXPIRES: 12/31/09
PROJECT LANE MILES PUBLIC: 0.00
PROJECT LANE MILES PRIVATE: 2.87
CONSTRUCTION SOIL/EROSION AND STORMWATER RECORD DRAWING. THE ENGINEER AND SURVEYOR THEIR FIRM ASSUMES NO LIABILITY FOR THE USE OF THESE PLANS FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THEY WERE PREPARED.
PERMIT REQUIRED FROM SCPW FOR ANY REVISION TO THESE PLANS

NAVD-88 DATUM
ELEVATIONS ON THIS PLAN ARE BASED ON NAVD 88 DATUM AS DERIVED FROM GPS OBSERVATIONS OF CONTROL POINTS #1 AND #2 AS SHOWN ON THIS PLAN.

Jon Hoyt 10/24/07
DEVELOPER'S APPROVAL DATE

NO.	DATE:	BY	REVISIONS
3	10/8/07	BRR	MYLAR SUBMITTAL TO SPOKANE COUNTY
2	-----	MAT	SUBMITTAL TO SPOKANE COUNTY
1	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.
PROJ #: 2004-65
DATE: 10/8/2007
DRAWN: MEK
APPROVED: TRW

P-1786

WCE
WHIPPLE CONSULTING ENGINEERS
721 W. LAND TRANSPORTATION ENGINEERING
SPOKANE, WA 99201-0300
(509) 838-6113 FAX (509) 838-1283

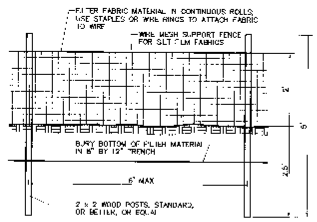
STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
EROSION CONTROL DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
43 OF 43
JOB NUMBER
2004-65

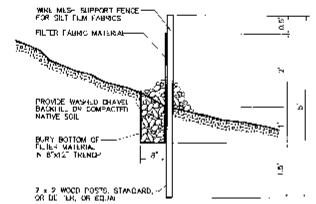
P-1786 Eng Prod - Drainage

SE 1/4 SECTION 5, T. 26 N., R. 43 E. W.M.
SW 1/4 SECTION 4, T. 26 N., R. 43 E. W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO WORKING DAYS
BEFORE YOU DIG



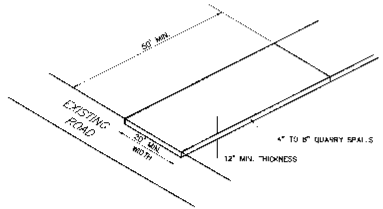
ELEVATION



SILT FENCE DETAIL

NOT TO SCALE

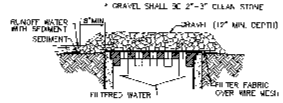
1



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

2



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

NOT TO SCALE

3

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 SWALES, GALLERIES.

4) GEOTEXTILE FABRIC IS TO BE PLACED ON THE BASE, BATTER 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. SEE DETAIL THIS SHEET.

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

8) PROPERTY OWNER: HARLEY DOUGLASS, (509) 487-9792. PERMIT APPLICANT: HARLEY DOUGLASS, (509) 487-9792. CONTACT PERSON ON SITE: HARLEY DOUGLASS, (509) 487-9792.

9) PROJECT LOCATION: SPOKANE COUNTY, NORTH OF FARWELL ROAD IN SECTIONS 4 AND 5, TOWNSHIP 26N., RANGE 43E., W.M.

10) PROJECT DESCRIPTION: STONE HORSE BLUFF IS A RESIDENTIAL SUBDIVISION CONSISTING OF 422 LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 19,000 LINEAR FEET OF NEW PUBLIC STREETS WITH ASSOCIATED CURBING.

11) 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.

12) EXISTING VEGETATION: FIELD GRASS AND PONDEROSA PINE.

13) TIME OF PREPARATION DATE: OCTOBER 2006

14) SOILS: ON SITE SOILS, SHRINKDALE GRAVELLY SANDY LOAM, (ShR) AND MARBLE LOAMY COARSE SAND (MbC).

15) **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 DRY LAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL AT A RATE OF 60 lbs/ACRE.

16) **CONTROL OF POLLUTANTS:**
ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.

17) **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.

18) 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 477-3675. GRADING ON THIS SITE, OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRIVEWAYS, ETC.

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 DISPOSED 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 MEASURES 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.

7/26/12
Applies to Phase 1 Designation Only.

- PHASE 1 -

SPOKANE COUNTY, WASHINGTON
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # P-1786
DATE ACCEPTED: 6/4/07
ACCEPTANCE EXPIRES: 6/4/09
PROJECTS LANE MILES PRIVATE: 2.89
CONSTRUCTION UNDERTAKEN AND COMPLETED PER RECORD DRAWINGS. AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REVISIONS: (DATE) (INITIALS)
NOTE: PERMIT EXPIRES 2 BUSINESS DAYS PRIOR TO EXPIRATION

EXPIRES 6/27/09

NAVD-88 DATUM
VERTICAL DATUM
ESTABLISHED BY USE OF 2006 JOB NO. 2006-0004 AS A SINGLE BENCH MARK AT THE NORTHEAST CORNER OF THE INTERSECTION OF FARWELL ROAD AND PITTMAN ROAD.
ELEV. = 1,972.03 (NAVD 88)

DEVELOPER'S APPROVAL — DATE 10/24/07

NO.	DATE	BY	REVISIONS
	10/24/07	SRB	MYLAR SUBMITTAL TO SPOKANE COUNTY
	10/08	MAT	SUBMITTAL TO SPOKANE COUNTY
	10/06	MEK	ORIGINAL PLAN PREPERATION

SCALE: HORIZONTAL: N.A. VERTICAL: N.A.
PROJ #: 2004-65
DATE: 10/24/07
DRAWN: MEK
APPROVED: TRW

IWCE
INLAND WEST CONSULTING ENGINEERS
111 N. POST STREET, SUITE 315, SPOKANE, WA 99201
(509) 325-8118 FAX (509) 325-8218

P-1786

STREET AND DRAINAGE PLAN
STONE HORSE BLUFF
EROSION CONTROL DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 43 OF 43
JOB NUMBER 2004-65

P-1786

Eng Record Drawings