ROAD AND DRAINAGE PLANS FOR:

THE Ridge AT HANGMAN

PHASE VI

SPOKANE COUNTY, WASHINGTON

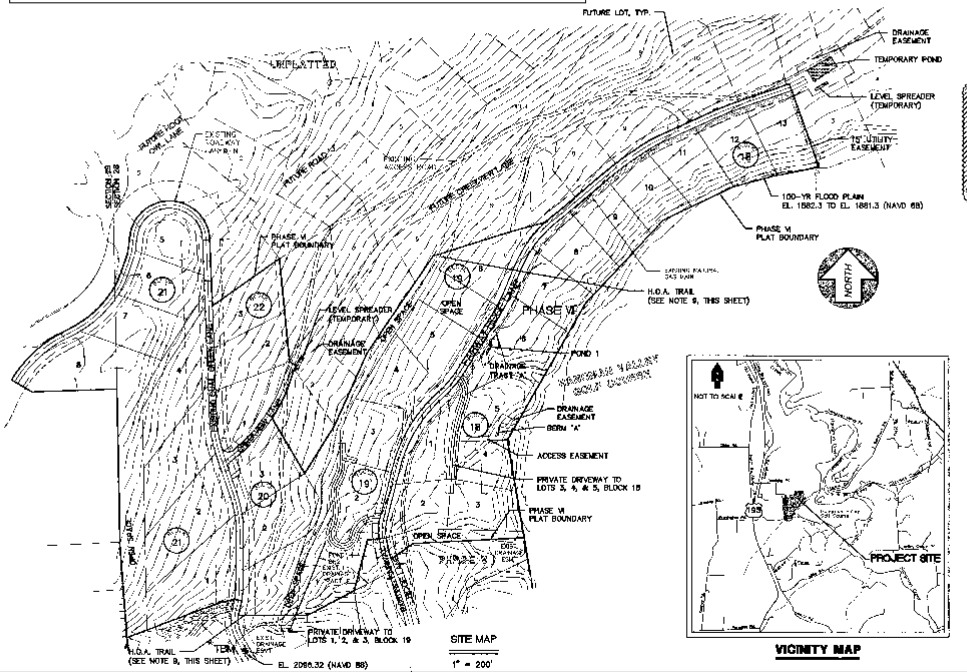
S.28 AND 29, T.24N., R.43E., W.M.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	FAIRWAY RIDGE LANE STA. 28+99.97 TO STA. 42+50
3	FAIRWAY RIDGE LANE STA. 42+50 TO STA. 56+19.98
4	CREEKVIEW LANE STA. 0+00 TO STA. 5+11.68
5	POND 1 PLAN AND DETAILS
6	18" STORM DRAIN PLAN AND PROFILE
7	BERM 'A' and TEMPORARY POND PLAN AND DETAILS
8	TEMPORARY LEVEL SPREADER AND EXISTING POND DH2 OUTLET STRUCTURE MODIFICATION PLAN AND DETAILS
9	OVERALL EROSION and SEDIMENT CONTROL PLAN
10	GRADING and EROSION CONTROL PLAN SOUTH
11	GRADING and EROSION CONTROL PLAN NORTH
12	TEMPORARY EROSION and SEDIMENT CONTROL DETAILS
13	ROAD SECTIONS, DITCH DETAILS AND LOT 1, BLOCK 9 GRADING

GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2001", AS AMENDED, AND PER THE "2002 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON 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.
3. 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. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED DRAWINGS. THE CONTRACTOR SHALL PROVIDE A SET OF RED LINE DRAWINGS TO THE ENGINEER FOLLOWING COMPLETION OF CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS ACTIVITIES.
6. ALL POND BOTTOMS, BERMS AND SIDESLOPES SHALL BE PROVIDED WITH 4" OF NATIVE TOPSOIL. NATIVE TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL REASONABLY FREE OF SUBSURFACE SOIL. SOIL SHALL BE FREE OF CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS AND STONES LARGER THAN 1" IN ANY DIMENSION. NO OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH SHALL BE PRESENT. NO MORE THAN 10% ROCK FRAGMENTS SHALL BE PRESENT IN TOPSOIL. NATIVE TOPSOIL SHALL HAVE A MINIMUM OF 35% BY WEIGHT PASSING A NO. 10 SIEVE.
7. CLEARING AND GRUBBING:
   A. CONTRACTOR TO CLEAR ALL AREAS WITHIN THE BOUNDS OF ROADWAY EARTHWORK ACCORDING TO SECTION 2-01.3(1) OF THE WSDOT STANDARD SPECIFICATIONS.
   B. CONTRACTOR TO GRUB ALL AREAS TO RECEIVE ROADWAY EMBANKMENT AND LOT FILLS IN ACCORDANCE WITH SECTION 2-01.3(2) OF THE WSDOT STANDARD SPECIFICATIONS.
8. ROAD EMBANKMENTS: PER METHOD B IN SECTION 2-03.3(14)C OF WSDOT STANDARD SPECIFICATIONS:
   A. TOP 2 FEET OF EMBANKMENT SHALL BE COMPACTED TO 95% OF MAX. DRY DENSITY (4" MAX. LIFT).
   B. BELOW 2 FEET – COMPACT TO 90% MAX. DRY DENSITY (8" MAX. LIFT).
   C. EXCEPT THAT LIFT THICKNESS MAY BE INCREASED TO 12" IN LAYERS BELOW 2' IF VIBRATORY ROLLER IS USED AND THE REQUIRED DENSITY IS OBTAINED THROUGH THE FULL DEPTH AND WIDTH OF EACH LAYER.
9. COORDINATE HOMEOWNER'S ASSOCIATION TRAIL LOCATION, SIZE, TYPE AND CONSTRUCTION REQUIREMENTS WITH OWNER.
10. THE REGULATIONS OF THE NATIONAL FLOOD INSURANCE PROGRAM SHALL BE OBSERVED AS THIS PLAT IS AFFECTED BY A FLOOD HAZARD ZONE. A FLOODPLAIN DEVELOPMENT PERMIT SHALL BE OBTAINED FROM THE COUNTY ENGINEER BEFORE CONSTRUCTION OR DEVELOPMENT BEGINS WITHIN ANY AREA OF SPECIAL FLOOD HAZARD (REF: CHAPTER 3.20 OF THE SPOKANE COUNTY CODE – FLOOD DAMAGE PROTECTION) OR WITHIN ANY LOT ALL OR PORTION OF WHICH INCLUDES A SPECIAL FLOOD HAZARD (LOTS 12 AND 13, BLK. 10). THIS INCLUDES ANY STRUCTURES, EXCAVATION, FILL PLACEMENT, PAVING, ETC. AND IS APPLICABLE ALSO TO DRIVEWAYS, ROADS, AND APPROACHES.



SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: [illegible]
DATE ACCEPTED: [illegible]
ACCEPTANCE EXPIRES: [illegible]
PROJECT LANE MILES PUBLIC: [illegible]
PROJECT LANE MILES PRIVATE: [illegible]
DONE IN SUCH A MANNER AS TO CONFORM TO THE REQUIREMENTS OF THE ROAD AND DRAINAGE PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY ACCEPTANCE OF THE ROADS AND DRAINAGE FACILITIES DOES NOT RELIEVE ANY OF THE RESPONSIBILITY FOR ROAD AND DRAINAGE FACILITY MAINTENANCE.
PERMIT REQUIRED (509) 477-3600
NOTIFY 24 HRS. PRIOR TO ANY CONSTRUCTION
PUBLIC WORKS DIRECTOR

* Subject to granting of a 100-ft volume drainage easement for golf course by Spokane County

VICINITY MAP

LEGEND

EXISTING CONTOUR	PROPOSED CONTOUR
EASEMENT LINE	PLAT BOUNDARY
EXISTING BURIED GAS PIPELINE	LOT LINE
EXISTING WATER LINE	PROPOSED WATER LINE
EXISTING STORM DRAIN LINE	PROPOSED CENTERLINE OF DITCH W/FLOW DIRECTION
EXISTING WATER VALVE	PROPOSED CENTERLINE OF DITCH W/EROSION CONTROL BLANKET
EXISTING WATER LINE FITTING (TYP.)	PROPOSED STORM DRAIN LINE
EXISTING FIRE HYDRANT	PROPOSED WATER VALVE
EXISTING ACCESS ROAD	PROPOSED CONCRETE THRUST BLOCK
	PROPOSED WATER LINE FITTING (TYP.)
	PROPOSED OUTLET STRUCTURE
	PROPOSED POND BOTTOM
	PROPOSED ASPHALT PAVEMENT
	PROPOSED RIPRAP REVETMENT PAD

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No	Date	By	Ckd	Appr.	Revisions
1	5/24	ALB	MFW	NAA	ADDRESS 1/29/04 CO. COMMENTS

Drawn ALB Date 10/24/03
Designed MFW 10/24/03
Checked NAA 10/24/03

ERMS # 2705

"As design improvements shown in this set of plans and restrictions conform to the 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"

Owner's Approval Amy Ballard per B. McCoy Date 9/16/04

Taylor Engineering, Inc.
Civil Design and Land Planning
7 N. Minnesota Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8554

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, Wa. 99260-0170
477-3600

VERTICAL DATUM: BY (NAVD) AT CENTER OF EAST BOUNDARY LINE, E.W. [illegible] BEING [illegible] AS SHOWN ON RECORD OF SURVEY NO. [illegible]

CADD FILE NAME: 03-1203-0200

SCALE: HORZ. N/A VERT. N/A

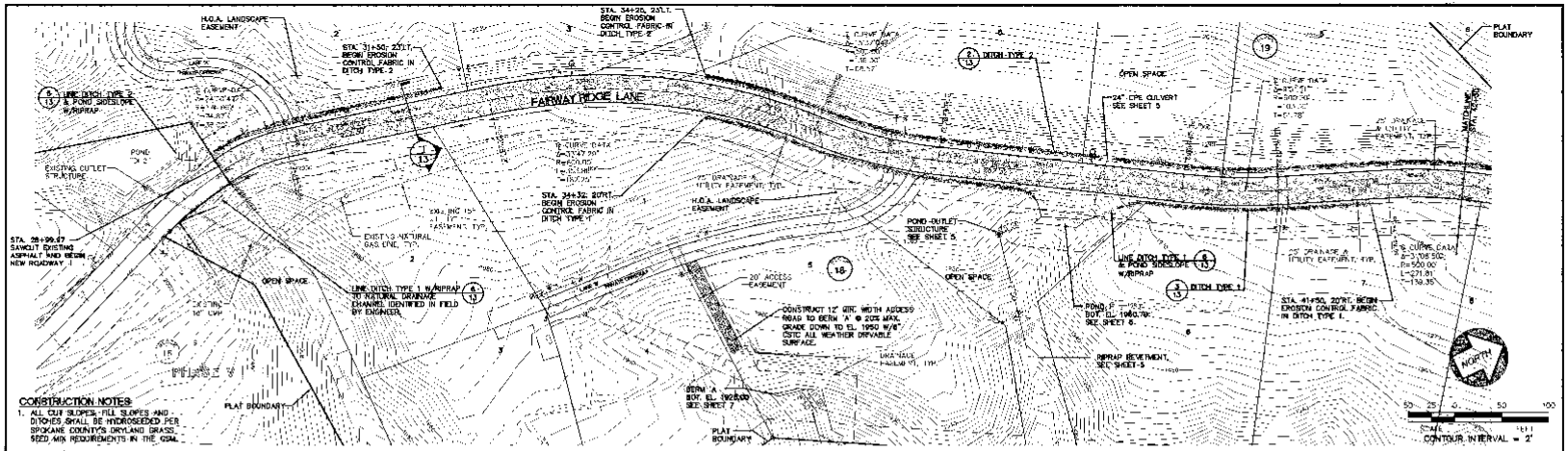
200 100 0 200 400
SCALE FEET

RIDGE AT HANGMAN PHASE VI

COVER SHEET

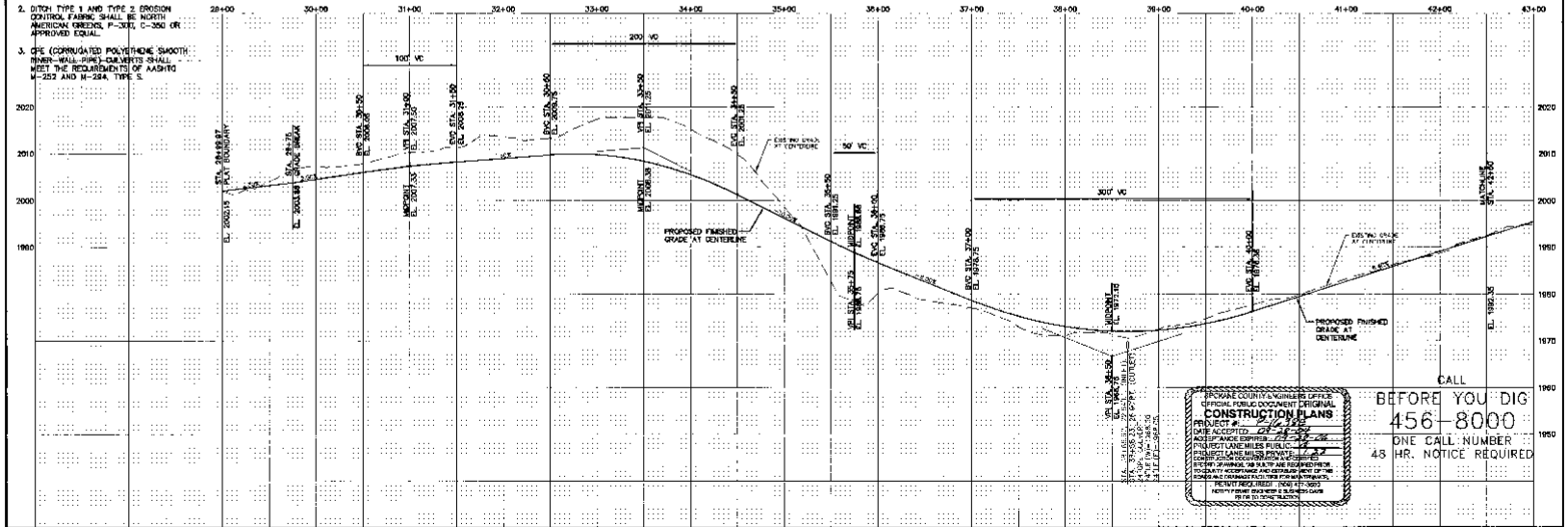
COVER SHEET 1 / 13

P-1038E Engineer Drawing



CONSTRUCTION NOTES:

1. ALL CUT SLOPES, FILL SLOPES AND DITCHES SHALL BE HYDROSEEDED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. DITCH TYPE 1 AND TYPE 2 EROSION CONTROL FABRIC SHALL BE NORTH AMERICAN GREEN'S P-300, C-350 OR APPROVED EQUAL.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL-PIPE) CULVERTS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 AND M-294, TYPE S.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECT LANE MILES PUBLIC
PROJECT LANE MILES PRIVATE
SPECIAL CONDITIONS OF APPROVAL
SPECIAL DRAINAGE, OR SURVEY MONUMENTATION REQUIREMENTS
NOTE: ANY ACCEPTANCE AND ASSOCIATED EXPIRATION OF ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-3600
NOTIFY PUBLIC WORKS INSPECTOR 5 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL BEFORE YOU DIG 456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Chk'd	Appr.	Revisions
1	9/04	AJR	MFM	MAA	ARTERIAL 1/35/04 TO COMMENTS

Drawn — Date 09/24/04
Designed MFM — 09/24/04
Checked MAA — 09/24/04

LBR-95 4-7-75

The design improvements shown in this set of plans and calculations conform to the 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.

Owner's Approval Greg Ballard per B. McCoy Date 9/16/04

Taylor Engineering, Inc.
Civil Design and Land Planning
3 10th Ave. Suite 300
Spokane, Washington 99201
(509) 328-2971 FAX (509) 328-0226

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, Wa. 99260-0170
477-3600

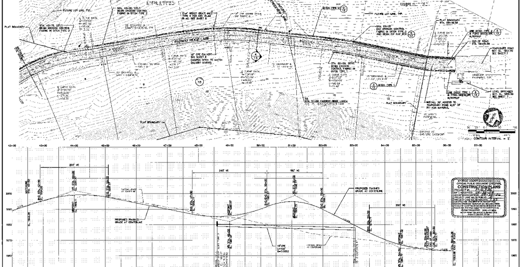
VERTICAL DATUM: [illegible]
CADD FILE NAME: [illegible]
50 25 0 50 100
SCALE FEET

SCALE
HORZ. 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI
FAIRWAY RIDGE LANE
STA. 28+99.97 TO STA. 42+50

ROAD SHEET 2 OF 13

P-163FE Engineering Drawings



CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

CONSTRUCTION NOTES

1. ALL CUT SLOPES, FILL SLOPES AND DITCHES SHALL BE HYDROSEEDED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. DITCH TYPE 1 AND TYPE 2 EROSION CONTROL FABRIC SHALL BE NORTH AMERICAN GREENS, P-300, C-350 OR APPROVED EQUAL.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 AND M-294, TYPE S.
4. CMP (CORRUGATED METAL PIPE) SHALL BE 16-GAUGE GALVANIZED CORRUGATED STEEL MEETING THE REQUIREMENTS OF AASHTO M36.

No.	Date	By	Ckd.	Appr.	Revisions
1	5/04	ALB	MFM	MAA	EXCEPT 1/29/04 CO. COMMENTS

Drawn / Designed / Checked — Date

Taylor Engineering, Inc.
Civil Design and Land Planning

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
477-3600

Owner's Approval *Amy Ballard per B. McCoy* Date *9/16/04*

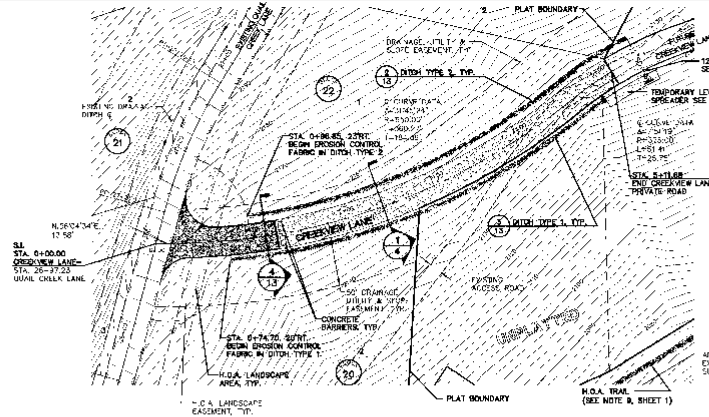
SCALE
HORIZ. 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI

FAIRWAY RIDGE LANE
STA. 42+50 TO STA. 56+19.38

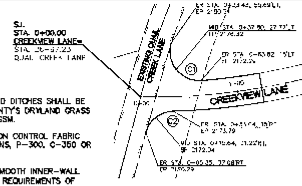
ROAD
SHEET 3 / 13

P1638E Eng Road Drawing



CONSTRUCTION NOTES:

1. ALL CUT SLOPES, FILL SLOPES AND DITCHES SHALL BE HYDROSEEDED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. DITCH TYPE 1 AND TYPE 2 EROSION CONTROL FABRIC SHALL BE NORTH AMERICAN GREENS, P=300, C=350 OR APPROVED EQUAL.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 AND M-294, TYPE S.
4. ACCESS DRIVEWAYS TO LOT 1, BLOCK 22 & LOT 2, BLOCK 20 SHALL BE FROM EXISTING QUAIL CREEK LANE.



QUAIL CREEK LANE and CREEKVIEW LANE INTERSECTION DETAIL

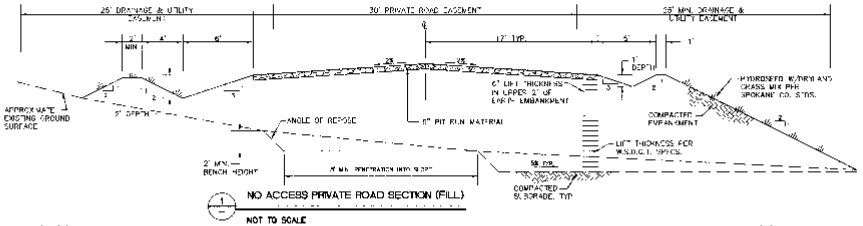
1"=50'

CURB RETURN DATA EDGE OF ASPHALT CONCRETE PAVEMENT (THIS SHEET ONLY)				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	58.75'	44.65'	112°12'19"
C2	30.00'	36.53'	22.44'	73°38'53"

NORTH

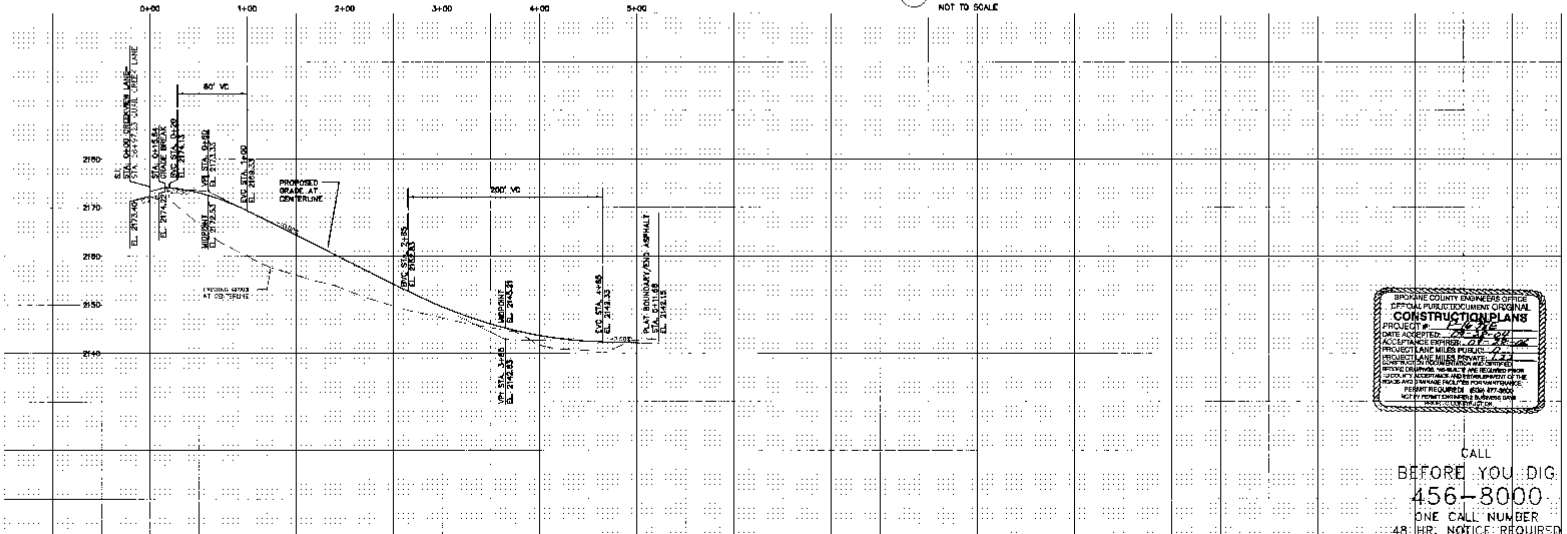
SCALE 50 25 0 50 100 FEET

CONTOUR INTERVAL = 2'



1 NO ACCESS PRIVATE ROAD SECTION (FILL)

NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 04-98
DATE ACCEPTED: 08-18-04
ACCEPTANCE EXPIRES: 08-18-06
PROJECT LANE MILES PUBLIC: 0.0
PROJECT LANE MILES PRIVATE: 0.4
NOTICE: THESE PLANS ARE NOT VALID FOR CONSTRUCTION UNLESS BEARING ORIGINAL SIGNATURE AND SEAL. ADDITIONAL PERMITS ARE REQUIRED FROM LOCAL AUTHORITY FOR ACCEPTANCE AND PERFORMANCE OF WORK ON ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED FROM SPOKANE COUNTY ENGINEER @ 477-7600
NOTICE: PERMIT EXPIRES 2 YEARS FROM DATE ISSUED

CALL BEFORE YOU DIG 456-8000 ONE CALL NUMBER 48 HR. NOTICE REQUIRED

No.	Date	By	Ckd.	Appr.	Revisions
1	5/24	AHR	MEM	MAA	ADDRESS 1/99/04 DD COMMENTS

Drawn AHR 10/24/03
Designed MEM 10/24/03
Checked MAA 10/24/03

EXPIRES: 9/7/05

The design improvements shown in this set of plans and specifications conform to the 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. Approval of these plans for construction

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 108 Mission Ave.
Spokane, Washington 99201
(509) 838-8271 FAX (509) 838-5334

Owner's Approval Amy Ballard per B. McCoy Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, WA. 99260-0170
477-3600

VERTICAL DATUM IS (NGVD 29) AT CENTERLINE OF BUR. BRDG. LOCATED 100' NORTH OF CENTERLINE OF QUAIL CREEK LANE AT THE NORTH END OF THE EAST BOUNDARY OF BLOCK 22 (MAY BE)

CADD FILE NAME: 02128RSUDWG

50 25 0 50 100 SCALE FEET

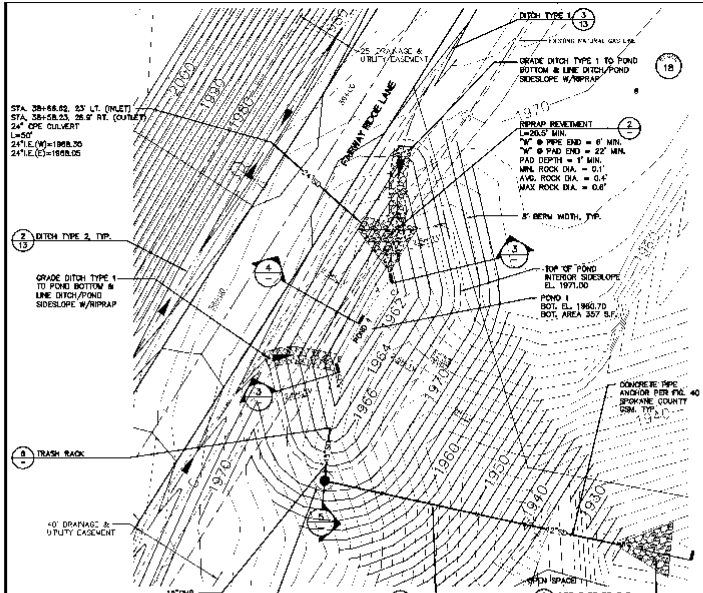
SCALE
HORIZ. 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI

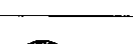
CREEKVIEW LANE
STA. 0+00 TO STA. 5+11.68

ROAD
SHEET
4 / 13

P-14738E England Drainage



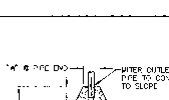
1 POND 1
1" = 20'-0"



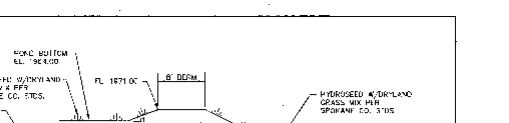
CONTOUR INTERVAL = 2'

POND 1 HORIZONTAL CONTROL

SEGMENT	BEARING	DISTANCE
A B	N.33°15'43"E.	11.76'
B C	S.13°07'47"E.	13.29'
C D	S.33°15'43"W.	45.76'
D E	S.13°07'47"E.	10.33'
E-A	N.28°57'49"E.	36.64'

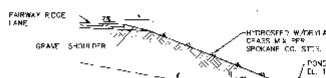


PLAN



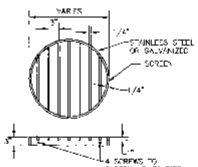
3 POND BERM SECTION
NOT TO SCALE

2 RIPRAP REVETMENT
NOT TO SCALE



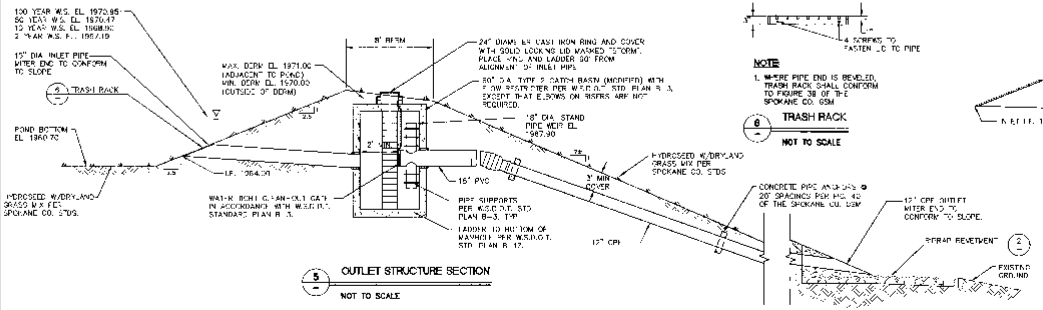
4 POND BERM SECTION (WEST)
NOT TO SCALE

CONSTRUCTION NOTES:
1. ALL CUT SLOPES, FILL SLOPES AND DITCHES SHALL BE HYDROSEED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 AND M-294, TYPE S.
3. CMP (CORRUGATED METAL PIPES) SHALL BE 16-GAUGE GALVANIZED CORRUGATED STEEL MEETING THE REQUIREMENTS OF AASHTO M36.

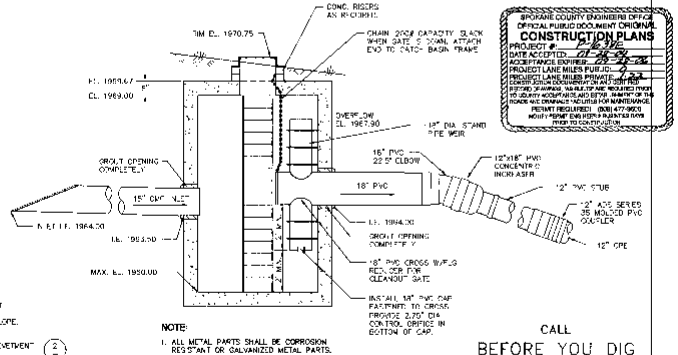


NOTE
1. WHERE PIPE END IS BEVELED, TRASH RACK SHALL CONFORM TO FIGURE 38 OF THE SPOKANE CO. GSM

6 TRASH RACK
NOT TO SCALE



5 OUTLET STRUCTURE SECTION
NOT TO SCALE



NOTE:
1. ALL METAL PARTS SHALL BE CORROSION RESISTANT OR GALVANIZED METAL PARTS.

7 POND 1 OUTLET STRUCTURE
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
DO NOT PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 96-396
DATE ACCEPTED: 07-26-04
ACCEPTANCE EXPIRES: 09-26-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.3
CONSTRUCTION DOCUMENTS ON ACCEPTED RECORD DRAWINGS WAS NOT ARE REQUIRED TO BE SUBMITTED FOR PUBLIC AND PRIVATE PROJECTS
THE ROADS ARE ORPHANED FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3600
MONTH PERMIT EXPIRES 6 MONTHS FROM DATE PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ckd	Appr.	Revisions
1	5/04	ALB	WFM	MAK	ADDRESS 1/25/94 CO. COMMENTS

Drawn ALB Date 09/25/03
Designed WFM 09/25/03
Checked MAK 09/25/03

The design improvements shown in this set or plans and calculations conform to the 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.

Expires 2/3/05

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 108 Stadium Way
Spokane, Washington 99202
(509) 328-8951 FAX (509) 328-8884

Owner's Approval Craig Ballard for B. McCoy Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave
Spokane, Wa. 99260-0170
477-3600

VERTICAL DATUM: ALL GRADES AT INTERSECTIONS OF CURVED CREEK LINES ARE TO BE SHOWN ON CONTROL POINTS. ALL RIM OF MANHOLES AND CATCH BASINS ARE TO BE SHOWN TO 2 DECIMAL PLACES.
CADD FILE NAME: 021305-DETAILS.DWG
50 25 0 50 100
SCALE FEET

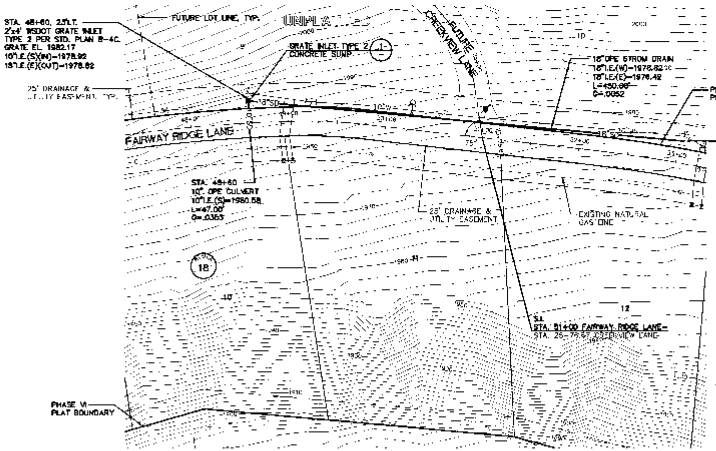
SCALE
HORIZ 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI

POND 1 PLAN and DETAILS

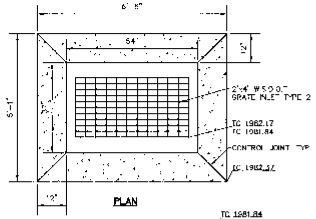
STORM SHEET 5 / 13

P-96396 Eng Rod Drawings

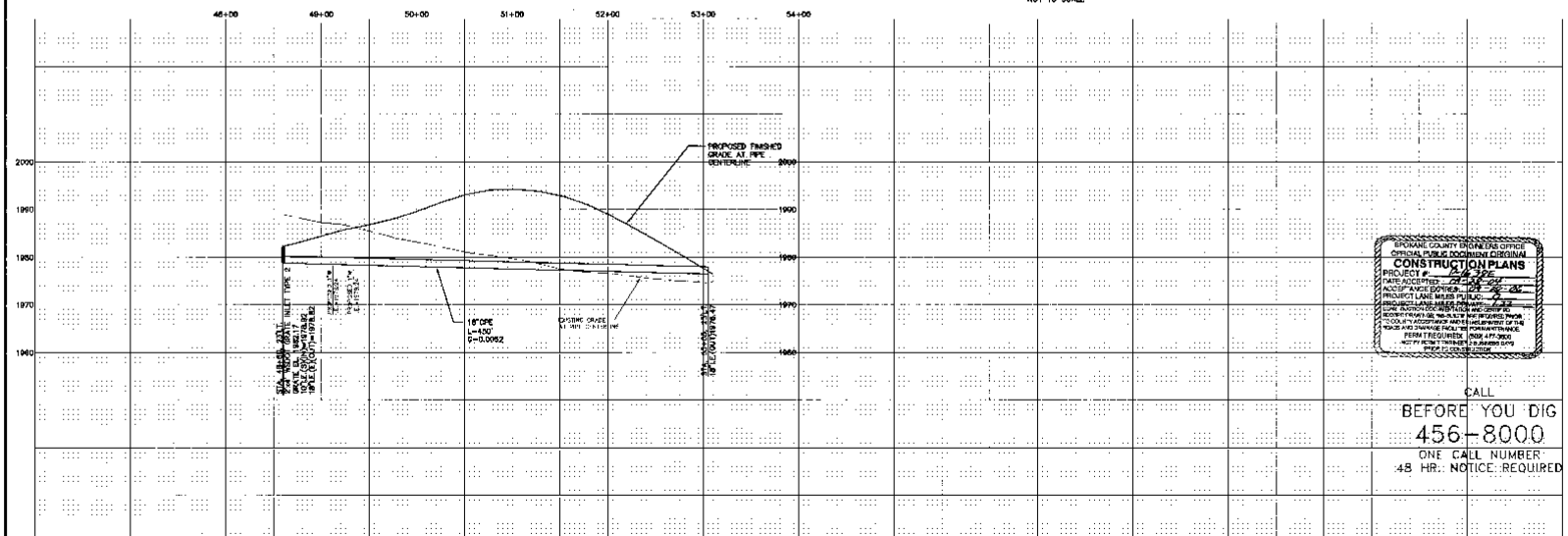


CONSTRUCTION NOTE

1. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 AND M-294, TYPE S.



1 GRATE INLET TYPE 2 CONCRETE SUMP
NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 24-326
DATE ACCEPTED: 12-14-04
ACCEPTANCE EXPIRES: 12-14-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 1.22
LAND DISTURBING ACTIVITY: 4.2
CONSTRUCTION DOCUMENTATION AND CERTIFICATION OF COMPLIANCE WITH ALL STATE AND FEDERAL PERMIT REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE OWNER AND/OR THEIR AGENT. THE ISSUANCE OF THIS PERMIT DOES NOT IMPLY COUNTY ACCEPTANCE AND/OR IMPLEMENTATION OF THE TRACT AND DRAINAGE FACILITY FOR PERPETUITY.
PERMIT REQUIRED (509) 477-3600
NOTIFY INSPECTION 24 HOURS (MIN)
PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ckd.	Appr.	Revisions
1	5/04	AEH	MHM	MAA	JURISDICTIONAL COMMENTS

Drawn: 4IR Date: 6/24/03
Designed: MFM 10/24/03
Checked: MAA 10/27/03

REG. No. 7235

I'm familiar with improvements shown in this set of plans and specifications conform to the 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.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 108 Monroe Ave.
Spokane, Washington 99201
(509) 328-3971 FAX (509) 328-3884

Owner's Approval: Greg Ballard per B. Mackey Date: 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, Wa. 99260-0170
477-3600

VERTICAL DATUM: BENCH MARK AT CENTER OF N. END OF CULVERT ON THE S. SIDE OF FAIRWAY RIDGE LANE AT THE EAST END OF THE BRIDGE. ELEV. = 2099.32 (CORPS 85)
GRID FILE NAME: 32 2257SGRID.dwg
50 25 0 50 100
SCALE: 1"=50'

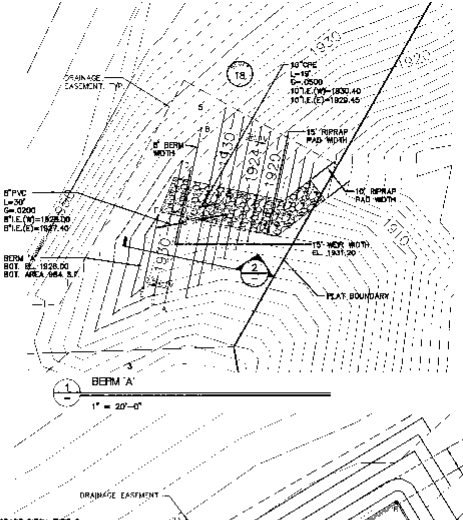
SCALE
HORZ. 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI

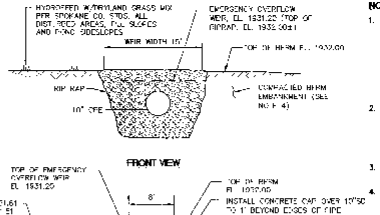
18" STORM DRAIN PLAN and PROFILE

STORM SHEET 6 / 13

P-16382E England Drainage



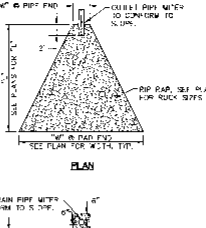
1 BERM 'A'
1" = 20'-0"



FRONT VIEW

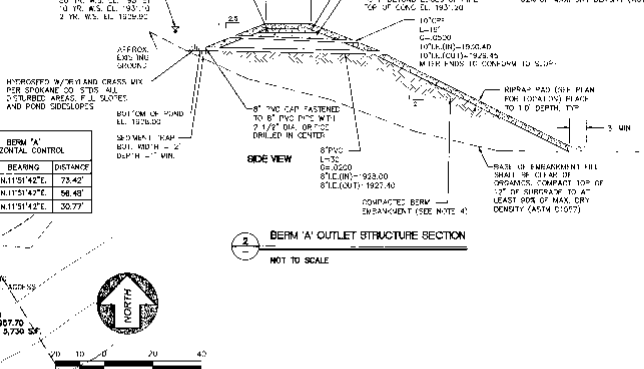
NOTES

1. RIP RAP PAD SHALL BE INSTALLED AS FOLLOWS:
   A) IN A 15' MIN. WIDTH SWATH FROM POND BOTTOM, (PERPENDICULAR TO WEIR LOCATION) UP THE SIDE SLOPE AND OVER TOP OF THE BERM.
   B) DOWN THE OUTSIDE OF THE BERM (15' WIDE SWATH) EXTENDING 5' ACROSS SLOPE FROM 10' & 8" PIPE OUTLETS TO 3' MIN. BEYOND TOE OF BERM FILL.
2. RIP RAP PAD SHALL BE INSTALLED 1.5' THICK WITH THE FOLLOWING GRADATION:
   40% TO 90% MAX. STONE SIZE=6" DIA.
   40% TO 90% MED. STONE SIZE=4" DIA.
   10% TO 30% MIN. STONE SIZE=2" DIA.
3. FILTER FABRIC SHALL BE INSTALLED UNDER ALL RIP RAP AND SHALL BE AMOCO 4545, OR APPROVED EQUAL.
4. CONSTRUCT BERM EMBANKMENT USING STRUCTURAL FILL PLACED IN 12" LIFTS MAX. & COMPACTED TO AT LEAST 92% OF MAX. DRY DENSITY (ASTM D1557).



PLAN

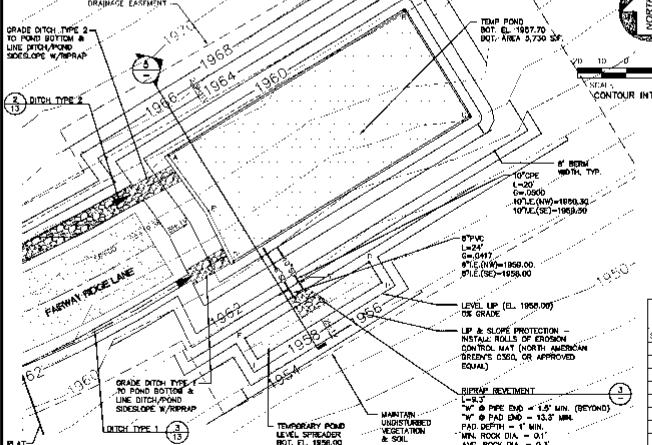
3 RIPRAP REVETMENT
NOT TO SCALE



SIDE VIEW

2 BERM 'A' OUTLET STRUCTURE SECTION
NOT TO SCALE

BERM 'A' HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	N.11°51'42"E.	73.42'
C–D	N.11°51'42"E.	56.48'
D–F	N.11°51'42"E.	30.77'

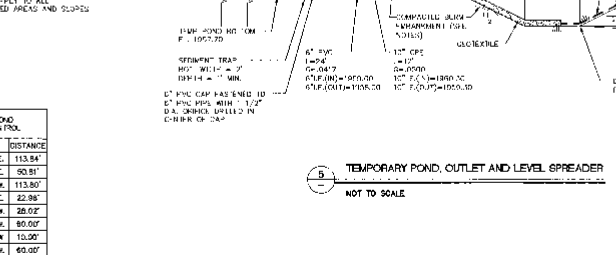


4 TEMPORARY POND
1" = 20'-0"

TEMPORARY POND HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	N.58°25'25"E.	113.84'
B–C	S.31°34'34"E.	50.81'
C–D	S.58°25'26"W.	113.80'
D–E	S.26°22'01"E.	22.98'
E–A	N.35°54'54"W.	28.02'
F–G	S.58°25'26"W.	80.00'
G–H	N.31°34'34"W.	10.00'
H–I	S.58°25'26"W.	60.00'
I–F	N.31°34'34"W.	10.00'

NOTES

1. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN'S C350, OR APPROVED EQUAL.
2. SEE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION & STAPLE REQUIREMENTS TO FASTEN EROSION CONTROL BLANKETS TO SLOPE.
3. CONSTRUCT BERM EMBANKMENTS (FILLS) IN 12" LIFTS W/WELL GRADED MATERIAL. LIFTS SHALL BE COMPACTED TO AT LEAST 92% OF MAX. DRY DENSITY (ASTM D1557).
   - ANCHOR EROSION CONTROL MAT UNDER RIPRAP AND OVER LAP ROLLS 6" MIN. (SEE NOTES)
   - LEVEL LIP (EL. 1958.00) 0% GRADE CONSTRUCTION MAT
   - HYDROSEED W/DRYLAND GRASS SEED MIX PER SPOKANE CO. STDS.
   - MAINTAIN UNDISTURBED SOIL & VEGETATION



5 TEMPORARY POND, OUTLET AND LEVEL SPREADER
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 12-04-305
DATE ACCEPTED: 11-28-07
ACCEPTANCE EXPIRES: 11-28-08
PRIVATE LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 1.23
THESE PLANS ARE NOT VALID UNLESS CERTIFIED BY THE SPOKANE COUNTY ENGINEER. ALL CONSTRUCTION REQUIRED PRIOR TO ACCEPTANCE MUST BE COMPLETED PRIOR TO THE DATE IT'S EXPIRATION DATE OR FORMAL EXTENSION REQUEST REQUIRED. (509) 477-3600
NOTIFY PUBLIC WORKS CONSTRUCTION UNIT 24 HOURS PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ckd.	Appr.	Revisions
1	5/04	ALB	WFM	WAA	ADDRESS 1/23/04 CO. COMMENTS

Drawn ALB 10-24-03
Designed JKM 10-24-03
Checked WAA 10-24-03

LS 9852 2/5/08

The design improvements shown in this set of "plans and specifications conform to the applicable sections 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.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 108 Division Ave.
Spokane, Washington 99202
(509) 328-8971 FAX (509) 328-8994

Owner's Approval Date 9/11/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 225 Broadway Ave
Spokane, Wa. 99260-0170
477-3600

VERTICAL DATUM: ALL GRADES AS SHOWN ON THESE PLANS ARE BASED ON NAVD 88 DATUM AS DERIVED FROM GPS OBSERVATIONS USING THE NATIONAL GEODETIC SURVEY (NGS) ON-LINE POSITIONING USER SERVICE (OPUS) SOLUTION.

CADD FILE NAME: B2412P2 DETAILS.DWG

SCALE: 50 25 0 50 100 FEET

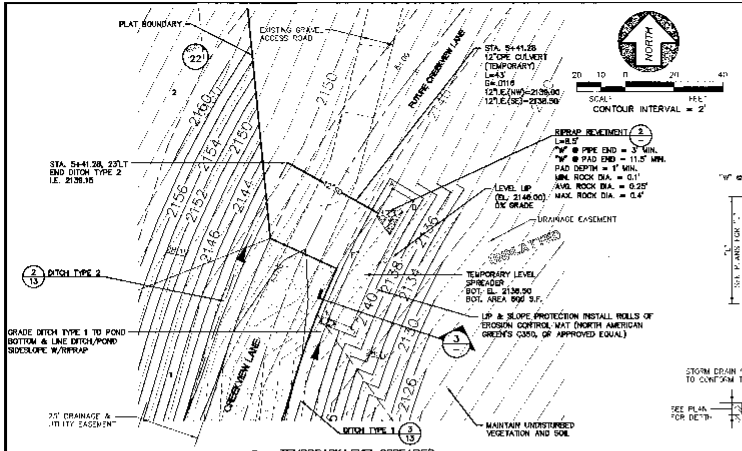
SCALE
HORZ. 1"=50'
VERT. 1"=10'

RIDGE AT HANGMAN PHASE VI

BERM 'A' and TEMPORARY POND PLAN and DETAILS

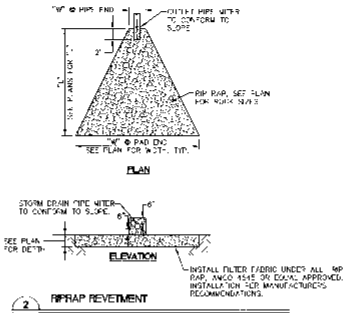
STORM SHEET 7 / 13

P-11838E Eng Kozy Drawing



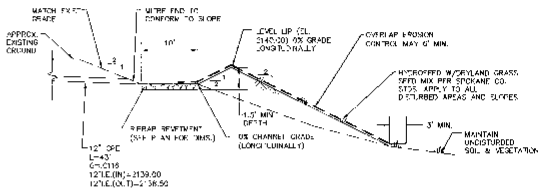
1 — TEMPORARY LEVEL SPREADER
1" = 20'-0"

TEMPORARY LEVEL SPREADER HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	S.58°59'46"E.	10.00'
B–C	S.28°34'59"W.	29.14'
C–D	S.23°44'30"W.	29.14'
D–E	N.68°40'45"W.	10.00'
E–F	N.23°44'30"E.	29.69'
F–A	N.28°34'59"E.	29.99'

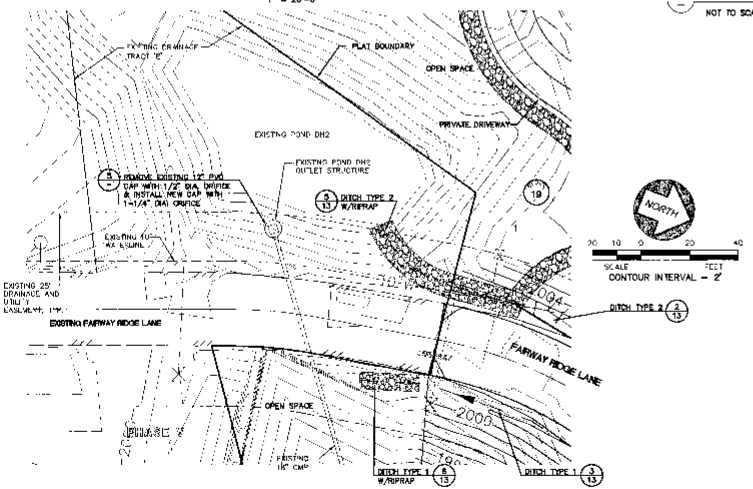


2 — RIPRAP REVETMENT
NOT TO SCALE

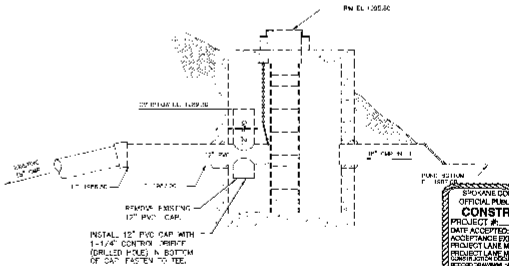
NOTES:
1. EROSION CONTROL MAT SHALL BE NORTH AMERICAN GREEN'S C350, OR APPROVED EQUAL.
2. SEE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION AND STAPLE REQUIREMENTS TO FASTEN EROSION CONTROL BLANKETS TO SLOPE.
3. CONSTRUCT BERM EMBANKMENTS (FILLS) IN 12" LIFTS W/WELL GRADED MATERIAL. LIFTS SHALL BE COMPACTED TO AT LEAST 92% OF MAX. DRY DENSITY (ASTM D1557).



3 — TEMPORARY LEVEL SPREADER
NOT TO SCALE



4 — EXISTING POND DH2 OUTLET STRUCTURE MODIFICATION
1" = 20'-0"



5 — EXIST. POND DH2 OUTLET STRUCTURE
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 04-21-20
DATE ACCEPTED: 04-21-20
ACCEPTANCE EXPIRES: 04-21-22
PROJECT LANE MILES PUBLIC: 0.2
PROJECT LANE MILES PRIVATE: 0.2
RECORD DRAWINGS: NO BUILT ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND COVERAGE PERIOD. TIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 5 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ckd.	Appr.	Revisions
1	5/04	ALB	MFM	MAA	ADDRESS 1/29/04 GD COMMENTS

Drawn: ALB Date: 10/24/03
Designed: MFM Date: 10/24/03
Checked: MAA Date: 10/24/03

The design improvements shown in this set of plans and calculations conform to the applicable criteria 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.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 126 Division Ave.
Spokane, Washington 99202
(509) 328-3551 FAX (509) 328-8224

Owner's Approval: Greg Ballard per B. McKay Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, Washington 99201-2413
477-3600

VERTICAL DATUM: NGVD 29
CAD FILE NAME: H:\DWG\ STRUCTURE DETAIL.DWG
SCALE: 0 5 10 20 FEET

SCALE
HORZ: 1"=20'
VERT: 1"=10'

RIDGE AT HANGMAN PHASE VI

TEMPORARY LEVEL SPREADER and EXISTING POND DH2 OUTLET STRUCTURE MODIFICATION PLANS and DETAILS

STORM
SHEET 8 / 13

P-16592E Eng Land Drainage

EROSION AND SEDIMENT CONTROL PLANS FOR:

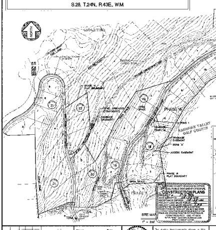
THE Ridge AT HANGMAN

PHASE VI

SPOKANE COUNTY, WASHINGTON

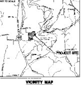
S.28, T.24N., R.43E., W.M.

PROPERTY OWNER:	SEABOARD WASHINGTON, L.L.C.
PERMIT APPLICANT:	SEABOARD WASHINGTON, L.L.C.
CONTACT PERSON AT PROJECT SITE:	BRIAN McCOY
PROJECT ADDRESS:	HIGHWAY 195 AND EXCELSIOR ROAD
PROJECT DESCRIPTION:	CONSTRUCTION OF SINGLE FAMILY RESIDENTIAL DEVELOPMENT INCLUDING PRIVATE ASPHALT ROADS AND A PRIVATELY OWNED WATER SYSTEM.
DESCRIPTION OF ESC MEASURES:	ESC MEASURES INCLUDE SILT FENCES, STRAW BALES, DROP INLET SEDIMENT BARRIERS AND GRAVEL CONSTRUCTION ENTRANCE AND EXIT PADS.
DESCRIPTION OF EXISTING SITE VEGETATION:	AREAS CONTAINING MEADOW-TYPE AND BRUSH GROUND COVER.
LIST OF ON-SITE SOILS:	CaB- CLAYTON SANDY LOAM SpE- SPOKANE VERY STONY SILT LOAM BeB- BERNHILL SILT LOAM HaB- HESSELTINE SILT LOAM HaD- HESSELTINE VERY ROCKY COMPLEX
LEGAL DESCRIPTION:	SEE THIS SHEET



NOTE:

SEE SHEETS 10 & 11 FOR LOCATIONS OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, I.E. SILT FENCES, STRAW BALE CHECK DAMS AND ROCK CONSTRUCTION ENTRANCE/EXITS.



VICINITY MAP

LEGAL DESCRIPTION

KNOW ALL MEN BY THESE PRESENTS, that RIDGE ASSOCIATES LIMITED PARTNERSHIP, an Idaho Limited Partnership, and SEABOARD WASHINGTON, L.L.C., a Washington Limited Liability Company have platted into lots, blocks, and private roads, the land shown hereon to be known as THE RIDGE AT HANGMAN PHASE VI, in the County of Spokane, State of Washington, said land being that portion of the West half of Section 28 and the N.E. 1/4 of Section 29, all in Township 24 North, Range 43 East, W.M., Spokane County, Washington described as follows:

A portion of the West ½ of Section 28 and the Northeast ¼ of Section 29 all in T.24N., R.43E., W.M., Spokane County, Washington described as follows:

Beginning at the Northwest corner of Tract "A" per P.U.D. Plat of Ridge at Hangman Phase V, as per plat thereof recorded in Book 27 of Plats, Pages 77, through 79; thence along the Northerly boundary of said Phase V, the following 14 courses:

1. N.69°12'19"E., 412.47 feet;
2. N.78°22'06"E., 56.45 feet
3. S.77°40'12"E., 30.35 feet to the beginning of a curve to the right, the radius of which bears N.80°55'13"W., a distance of 270.68 feet;
4. Along said curve to the right, through a central angle of 08°21'52", an arc distance of 39.52 feet to the beginning of a curve to the left the radius of which bears N.72°33'21"W., a distance of 135.00 feet;
5. Along said curve to the left, through a central angle of 20°30'51", an arc distance of 22.02 feet;
6. S.88°58'26"E., 283.00 feet;
7. N.82°12'15"E., 218.00 feet;
8. N.14°41'27"E., 215.00 feet;
9. N.83°18'23"E., 77.81 feet;
10. S.10°35'25"E., 47.85 feet to the beginning of a curve to the left the radius of which bears N.79°24'35"E., a distance of 185.00 feet;
11. Along said curve to the left, through a central angle of 10°40'17", an arc distance of 34.48 feet;
12. S.12°15'42"E., 7.83 feet;
13. N.54°15'00"E., 106.40 feet;
14. N87°00'00"E., 457.77 feet to the Northeast corner of Lot 9, Block 16 of said Plat of Ridge at Hangman Phase V and a point in the boundary line of the Hangman Valley Golf Course; thence along said boundary line the following 3 courses as monumented and shown on record of survey recorded under Auditor's File No. 8005240240;

1. N.09°44'21"W., 408.50 feet;
2. N.29°35'22"E., 648.57 feet;
3. N.43°03'06"E., 470.45 feet;

thence N.84°25'15"E., 319.85 feet; thence N.74°51'36"E., 169.94 feet; thence N.78°40'48"E., 190.71 feet; thence N.19°43'49"W., 364.00 feet to the beginning of a curve to the right the radius of which bears N.22°13'15"W., a distance of 486.00 feet; thence along said curve to the right, through a central angle of 04°26'24", an arc distance of 37.58 feet; thence S.71°11'09"W., 156.74 feet; to the beginning of a curve to the left the radius of which bears S.18°48'51"E., a distance of 1515.00 feet; thence along said curve to the left, through a central angle of 05°27'22", an arc distance of 144.27 feet; thence S.66°43'47"W., 234.32 feet to the beginning of a curve to the left the radius of which bears S.24°16'13"E., a distance of 515.00 feet; thence along said curve to the left, through a central angle of 07°33'19", an arc distance of 68.98 feet to the beginning of a compound curve the radius of which bears S.31°54'32"E., a distance of 1515.00 feet; thence along said compound curve, through a central angle of 08°36'40", an arc distance of 228.57 feet; thence S.49°38'48"W., 216.14 feet to the beginning of a curve to the right the radius of which bears N.40°33'12"W., a distance of 335.00 feet; thence along said curve to the right, through a central angle of 04°35'53", an arc distance of 23.98 feet to the beginning of a reverse curve the radius of which bears N.36°27'19"E., a distance of 515.00 feet; thence along said reverse curve, through a central angle of 06°11'45", an arc distance 55.68 feet; thence S.74°28'34"W., 151.13 feet; thence S.72°39'09"W., 330.40 feet; thence S.34°05'43"W., 483.72 feet; thence S.24°02'44"W., 328.37 feet; thence S.31°58'18"W., 231.05 feet; thence N.30°30'40"W., 363.46 feet; thence N.56°38'27"W., 30.00 feet to the beginning of a curve to the left the radius of which bears S.34°38'27"W., a distance of 535.00 feet; thence along said curve to the left, through a central angle of 16°37'32", an arc distance of 184.32 feet to the beginning of a reverse curve the radius of which bears S.73°18'19"E., a distance of 390.00 feet; thence along said reverse curve, through a central angle of 07°51'18", an arc distance of 53.47 feet; thence N.05°32'32"W., 428.21 feet; thence S.84°34'34"W., 338.04 feet; thence N.02°15'18"W., 274.33 feet to the beginning of a curve to the left the radius of which bears S.87°44'42"W., a distance of 165.00 feet; thence along said curve to the left, through a central angle of 172°14'24", an arc distance of 496.02 feet; thence S.03°30'18"W., 31.35 feet to the beginning of a curve to the right the radius of which bears N.84°28'12"W., a distance of 235.30 feet; thence along said curve to the right, through a central angle of 14°10'41", an arc distance of 58.15 feet; thence S.19°43'59"W., 73.75 feet to the beginning of a curve to the right the radius of which bears N.70°12'51"W., a distance of 350.00 feet; thence along said curve to the right, through a central angle of 13°17'18", an arc distance of 71.58 feet to the beginning of a compound curve the radius of which bears N.57°01'45"W., a distance of 455.01 feet; thence along said compound curve, through a central angle of 31°03'23", an arc distance of 243.92 feet; thence S.64°01'38"W., 19.61 feet to the beginning of a curve to the left the radius of S.25°58'22"E., a distance of 515.00 feet; thence along said curve to the left, through a central angle of 33°01'40", an arc distance of 296.87 feet; thence S.58°00'36"E., 97.78 feet to the Northwest corner of a parcel of land described in a Deed of Trust filed under Auditor's File No. 9506290297; thence N.88°02'60"E., along the North line of said Deed of Trust, 350.00 feet to the East line of the Northeast ¼ of said Section 29, thence S.01°08'08"E., along said East line, 653.00 feet to the Southeast corner of said Northeast ¼ of Section 29, thence S.04°18'47"E., along the West line of the Northwest ¼ of said Section 28, 173.93 feet to the Point of Beginning.

Containing 56.31 Acres

EROSION CONTROL NOTES:

1. AN EROSION/SEDIMENT CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE AND UPGRADING OF THE ESC 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 ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.
3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATE SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF THE SITE OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
4. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. ACCESS FOR CONSTRUCTION VEHICLES SHOULD BE LIMITED TO ONE ROUTE WHENEVER POSSIBLE. CONTROL FACILITIES WILL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED.
5. CONTRACTOR TO PREVENT AGAINST SEDIMENTATION BY INSTALLING GEOTEXTILE FABRIC BETWEEN THE RIM AND GRATE OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
6. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. CONTRACTOR IS RESPONSIBLE FOR SUPPRESSION OF DUST IN CONFORMANCE WITH SCAPCA REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN AS A MINIMUM.
7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. THE INTENT IS TO KEEP SEDIMENT ON THE PROJECT SITE AND NOT ALLOW IT TO REACH ADJACENT PROPERTIES, WATER BODIES, AND PUBLIC OR PRIVATE ROADS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PERMANENT AND DOWNSTREAM STORMWATER MANAGEMENT FACILITIES DURING CONSTRUCTION AND FOR CLEANING DRAINAGE AND EROSION CONTROL FACILITIES AS REQUIRED. STREETS SHALL BE KEPT CLEAN OF DEBRIS FROM TRAFFIC FROM THE SITE.
9. THE CONTRACTOR SHALL COORDINATE WITH OWNER TO DESIGNATE AND POST A LOCATION FOR A SLURRY PIT WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT. SLURRY PITS SHALL NOT BE LOCATED IN, NOR DRAIN INTO A SWALE, DRAINAGE AREA, STORMWATER FACILITY OR WATER BODY, EITHER EXISTING OR PROPOSED. HARDENED WASH CONCRETE SHALL BE BROKEN UP AND REMOVED FROM THE SITE.
10. CONTRACTOR SHALL COORDINATE WITH OWNER TO IDENTIFY A LOCATION FOR STORAGE/STOCKPILE AREAS (WITHIN THE PROPOSED ESC PLAN BOUNDARIES) FOR ANY SOIL, EARTHEN AND LANDSCAPE MATERIAL THAT IS TO BE USED ON-SITE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMP's DURING ALL LAND-DISTURBING ACTIVITIES. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL STRUCTURES AFTER EVERY RAINFALL EVENT. REMOVE DEBRIS AND SEDIMENT AND MAKE NEEDED REPAIRS.
12. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
13. CONTRACTOR SHALL FIELD IDENTIFY AND DELINEATE ALL CLEARING LIMITS, SENSITIVE/CRITICAL AREAS, BUFFERS, TREES TO BE PRESERVED AND DRAINAGE COURSES.
14. CONSTRUCTION OF ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF OTHER LAND DISTURBING ACTIVITIES.
15. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RECEIVING PAVEMENT, GRAVEL OR LANDSCAPE TREATMENT SHALL BE STABILIZED BY APPLICATION OF A HYDROSEED MIXTURE OF DRYLAND GRASS SEED.
16. EROSION CONTROL STRUCTURES BELOW SODDED OR RIP RAPPED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING IS IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVED AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
17. ALL TEMPORARY SEDIMENT CONTROL BMP's SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY BMP's ARE NO LONGER NEEDED.
18. CONTRACTOR SHALL CONTROL ALL ON-SITE POLLUTANTS OTHER THAN SEDIMENT IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER OR GROUNDWATER.
19. THIS PLAN IS ONLY TO BE USED FOR INSTALLATION OF EROSION CONTROL FACILITIES. DO NOT USE THIS PLAN FOR GRADING OR STORM SEWER CONSTRUCTION.
20. ALL PONDS AND DISTURBED AREAS SHALL BE SEEDED W/DRYLAND GRASS SEED MIX AS FOLLOWS (SPOKANE COUNTY STANDARD):

    DRYLAND SEED MIX REQUIREMENTS:

    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 PERCENT	BRAVE (LOW GROWING) PERENNIAL RYE
15 PERCENT	REUBENS CANADIAN BLUEGRASS
20 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR/SHEEP FESCUE

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

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

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

No.	Date	By	Chd	Appr.	Revisions
1	5/04	ALR	MPW	MAA	ADDRESS 1/26/04 CO. COMMENTS

Drawn	Date
ALR	10/14/03
Designed	
MPW	10/14/03
Checked	
MAA	10/14/03

The design improvements shown in this set of plans and calculations conform to the 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.

Taylor Engineering, Inc.
Civil Design and Land Planning

SPOKANE COUNTY PUBLIC WORKS DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, Wa. 99260-0170
477-3600

Owner's Approval: Amy Ballard per B. McCoy Date: 9/16/04

VERTICAL DATUM:

CADD FILE NAME:

SCALE: 200 100 0 200 400 FEET

SCALE
HORIZ. N/A
VERT. N/A

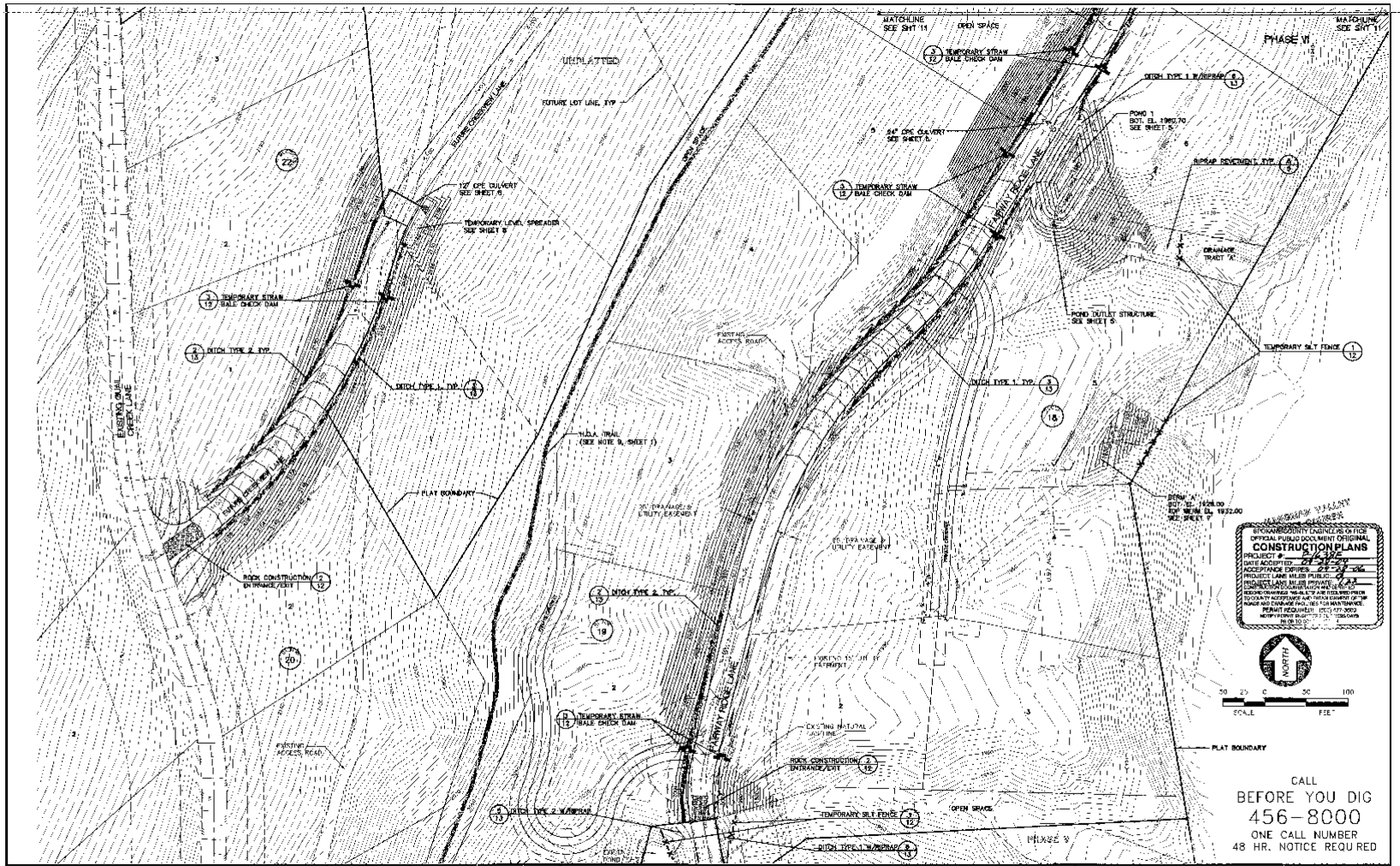
RIDGE AT HANGMAN PHASE VI

OVERALL EROSION AND SEDIMENT CONTROL PLAN

STORM

SHEET 9 / 13

P-1638E Eng/Road Drainage



No.	Date	By	Ckd.	Appr.	Revisions
1	5/04	ALB	MW	MAA	ADDRESS 1/26/04 BY ITRONRITE

Drawn ALB 10/24/03
Designed MLM 10/24/03
Checked MAA 10/24/03

The design improvements shown hereon are part of a time and cost effective system to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines on Stormwater Management. All design deviations have been approved by the Spokane County Engineer. Approval of these plans for construction

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 104 Division Ave.
Spokane, Washington 99202
(509) 328-3371 FAX (509) 328-8824

Owner's Approval Greg Ballard per E-Mail Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, Washington 99260-0170
477-3600

VERTICAL DATUM: NAVD88 AS DERIVED BY GPS OBSERVATIONS ON SPOKANE COUNTY BENCHMARK NO. 0702 AND BENCHMARK NO. 0703 AS PUBLISHED BY SPOKANE COUNTY ENGINEER.

CADD FILE NAME: 02126R0.DWG

50 25 0 50 100
SCALE FEET

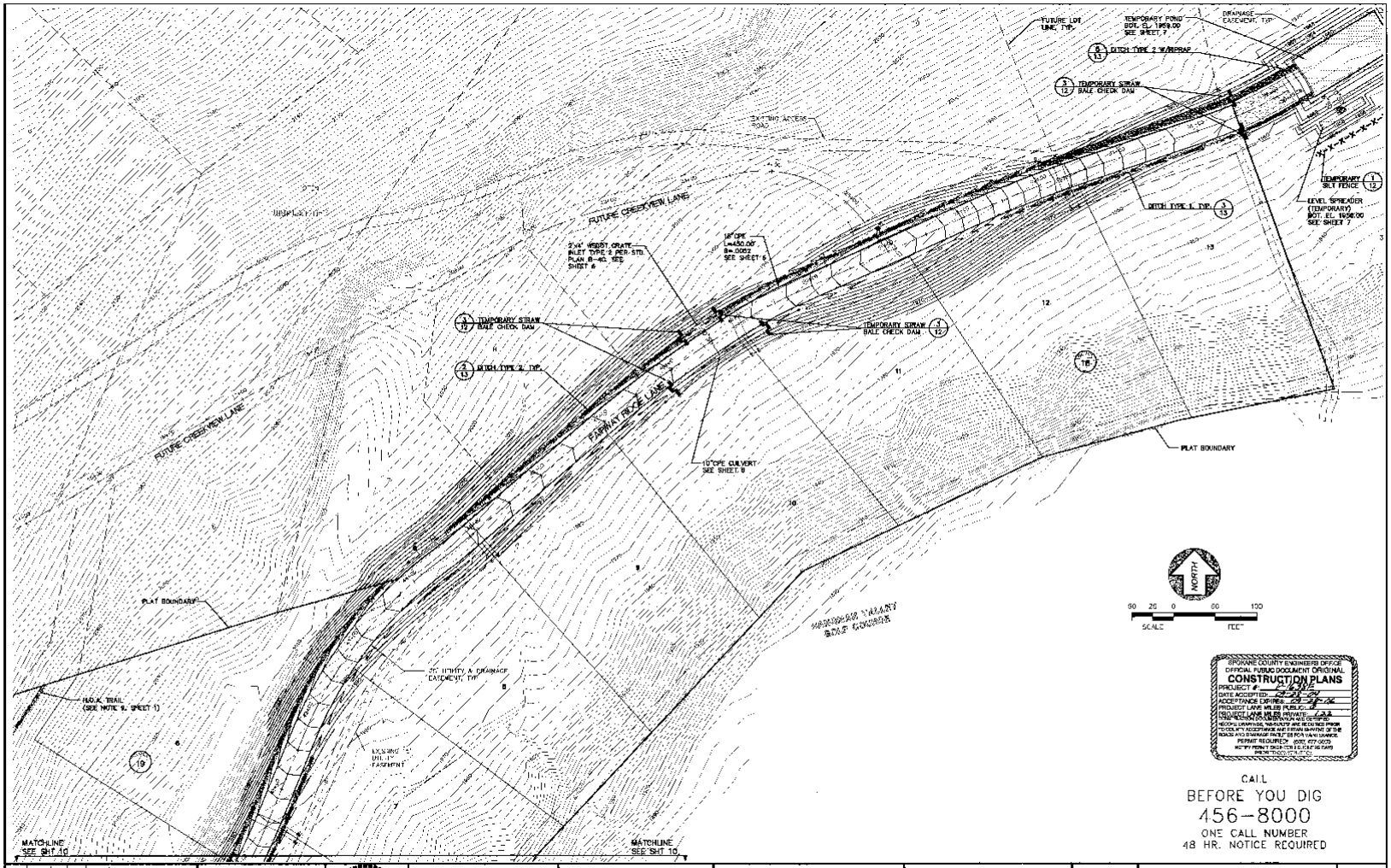
SCALE
HORIZ 1"=50'
VERT. N/A

RIDGE AT HANGMAN PHASE VI

GRADING and EROSION CONTROL PLAN SOUTH

STORM SHEET 10 / 13

P1638E Engineering



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1638E
DATE ACCEPTED: 12-21-04
ACCEPTANCE EXPIRES: 12-21-06
PROJECT LANE MILES PUBLIC: 1.43
PROJECT LANE MILES PRIVATE: 1.43
RECORD DRAWINGS, NOTATIONS ARE RECEIVED PRIOR TO FORMAL ACCEPTANCE AND RETURN SUBMITTAL OF THE ROAD AND DRAINAGE FACILITIES PER PWAM CHAPTER 5
PERMIT REQUIRED (509) 477-3600
NOTIFY PERMIT DESK 72 HOURS PRIOR TO CONSTRUCTION
DATE: 12/21/04

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ck'd	Appr.	Revisions
1	5/04	ALS	MFM	MAA	ADDRESS /39/04 CO. COMMENTS

Drawn ALS Date 10/21/03
Designed MFM 10/24/03
Checked MAA 10/24/03
EXPIRES: 9/1/06

The design improvements shown in this set of plans and specifications conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Storm-water Management. A design exception(s) have been approved by the Spokane County Engineer. Approval of these plans for construction.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 108 Mamer, Ste. 1
Spokane, Washington 99201
(509) 328-2071 FAX (509) 328-2641

Owner's Approval: Greg Ballard per B. McCoy Date 9/10/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, WA. 99260-0170
477-3600

VERTICAL DATUM: NGVD 29 (1929) AT CENTERLINE OF SHAW, 1988 ADJ. 123 Station 14, 0.00 N/S, 0.00 E/W, 0.00 ELEV. FROM CENTERLINE OF SHAW AT CENTERLINE OF FUTURE CREEKVIEW LANE
CADD FILE NAME: W:\1638E\GRADING
50 25 0 50 100
SCALE FEET

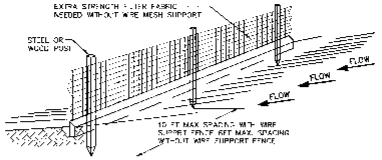
SCALE
HORIZ 1"=50'
VERT. N/A

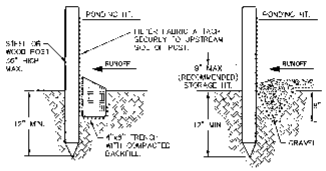
RIDGE AT HANGMAN PHASE VI

GRADING and EROSION CONTROL PLAN NORTH

STORM SHEET 11 / 13

P-1638E Eng Road Drawing





STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

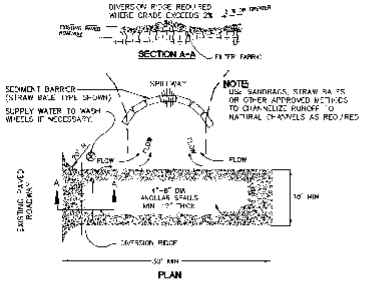
ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTES:

1. INSPECT AND REPAIR FENCE AS NEEDED AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFFSITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED IN SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.

1 / 10.11 **TEMPORARY SILT FENCE**

NOT TO SCALE

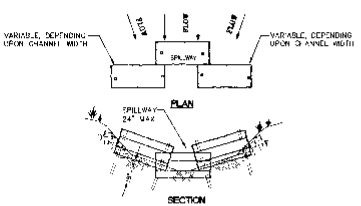


NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO EXIST. ASPHALT ROADWAYS.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA THAT IS STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ROCK CONSTRUCTION ENTRANCES TO BE PLACED AT FAIRWAY RIDGE LANE AND CREEKVIEW LANE / QUAIL CREEK LANE.

2 / 10.11 **ROCK CONSTRUCTION ENTRANCE/EXIT**

NOT TO SCALE



NOTES:

1. EMBED BALES 4" INTO THE SOIL AND "KEY" BALES INTO THE CHANNEL BANKS.
2. PLACE BALES PERPENDICULAR TO THE FLOW WITH ENDS TIGHTLY ABUTTED USE STRAW, ROCKS, OR FILTER FABRIC TO FILL ANY GAPS AND TAMP BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND BALES.
3. SPILLWAY HEIGHT SHALL NOT EXCEED 24".
4. INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROPERLY.

3 / 10.11 **TEMPORARY STRAW BALE CHECK DAM**

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 04-1838E
DATE ACCEPTED: 07-21-04
ACCEPTANCE EXPIRES: 07-21-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 1.23
CONSTRUCTION CERTIFICATE NOT REQUIRED
PRIOR TO COUNTY ACCEPTANCE AND BEING IN MAINTENANCE OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED. (509) 477-5713
NOTIFY PERMITTEE 2 DAYS PRIOR TO CONSTRUCTION

No.	Date	By	Chkd	Appv.	Revisions
1	5/04	ALB	MTH	WAA	ADDRESS 1/25/04 CO. COMMENTS

Drawn: MR Date: 03/26/03
Designed: MTH 03/26/03
Checked: WAA 03/26/03

10 MAR 2004

The design improvements shown on this set of plans and calculations conform to the 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.

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 1116 Monroe Ave.
Spokane, Washington 99201
(509) 328 3371 FAX (509) 328-8074

Owner's Approval: Amy Ballard per B. McCoy Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, WA 99260-0170
477-3600

VERTICAL DATUM: N/A
CADD FILE NAME: 02-3SERCE.DWG

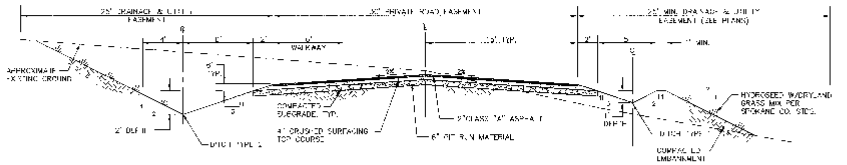
SCALE
HORZ. N.T.S.
VERT. N.T.S.

RIDGE AT HANGMAN PHASE VI

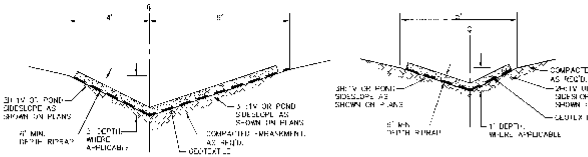
TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS

STORM SHEET 12 / 13

P-1638E Engineered Drawings



1 PRIVATE ROAD SECTION (CUT)
NOT TO SCALE

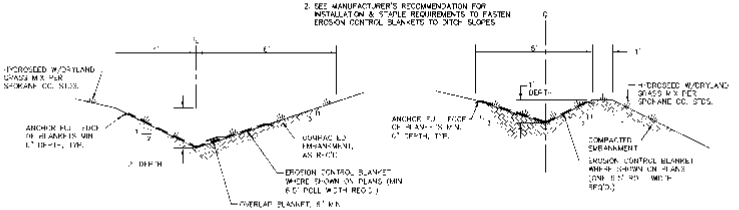


5 DITCH TYPE 2 W/RIPRAP
NOT TO SCALE

9 DITCH TYPE 1 W/RIPRAP
NOT TO SCALE

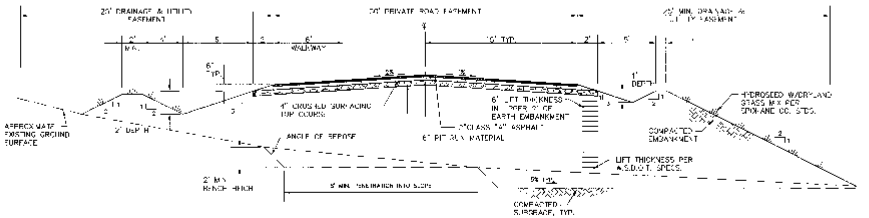
NOTES:
1. RIPRAP PAD SHALL BE INSTALLED 1.0' THICK WITH THE FOLLOWING GRADATION:
   - 40% TO 90% MAX. STONE SIZE=6" DIA.
   - 70% TO 90% MED. STONE SIZE=4" DIA.
   - 10% TO 30% MIN. STONE SIZE=2" DIA.
2. GEOTEXTILE SHALL BE INSTALLED UNDER RIPRAP AND SHALL BE AMOCO 4545, OR APPROVED EQUAL

NOTES:
1. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN'S S150, P300, OR APPROVED EQUAL
2. SEE MANUFACTURER'S RECOMMENDATION FOR INSTALLATION & STAPLE REQUIREMENTS TO FASTEN EROSION CONTROL BLANKETS TO DITCH SLOPES

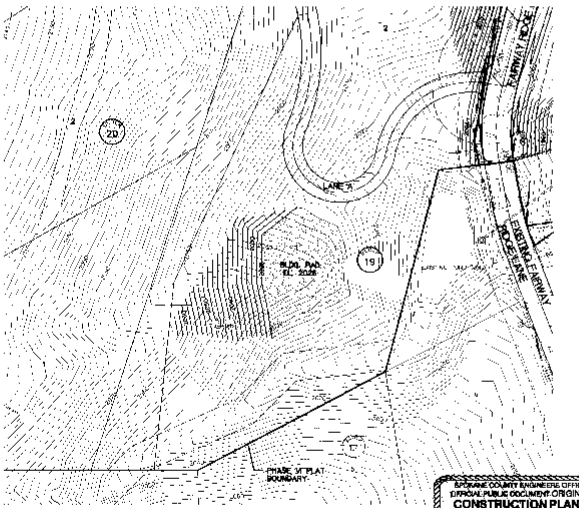


2 DITCH TYPE 2
NOT TO SCALE

3 DITCH TYPE 1
NOT TO SCALE



4 PRIVATE ROAD SECTION (FILL)
NOT TO SCALE



7/10 LOT 1 BLOCK 19 - GRADING PLAN
1" = 50'

SPOKANE COUNTY ENGINEERING OFFICE
ORIGINAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2004-
DATE ACCEPTED: 06-24-04
ACCEPTANCE EXPIRES: 06-24-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.23
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMITS REQUIRED: (509) 477-3672
NOTIFY PUBLIC ENGINEERING INSPECTIONS PRIOR TO CONSTRUCTION

No.	Date	By	Ckd	Appr.	Revisions
-	5/04	ALB	MFV	MAA	ADDED 1/28/04 01 COMMENTS

Drawn: AJC Date: 12/16/03
Designed: MFV Date: 12/16/03
Checked: MAA Date: 12/16/03

This design improvements shown in this set of plans and specifications conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. A design deviations have been approved by the Spokane County Engineer. Approval of these plans for construction.

Taylor Engineering, Inc.
Civil Design and Land Planning
A Corporation
Spokane, Washington 99201
(509) 624-1071 FAX (509) 328-8264

Owner's Approval: Amy Ballard per ltr Date 9/16/04

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
E. 1026 Broadway Ave.
Spokane, WA. 99260-0170
477-3600

VERTICAL DATUM: NGVD 29 (ACCORDING TO COUNTY SURVEY MAP NO. 1 OF THE NW 1/4 OF SECTION 19, T.25N., R.43E., W.M.)
BENCH MARK: TOP OF CONCRETE MONUMENT AT THE INTERSECTION OF HANGMAN VALLEY ROAD AND RAMP NO. 2 AS SHOWN ON RIDGE AT HANGMAN PHASE VI PLAT
ELEVATION: 2,046.12 (BASIS OF ELEVATIONS FOR THIS PROJECT)
CADD FILE NAME: H:\RIDGE\PLAT\LOT1.DWG

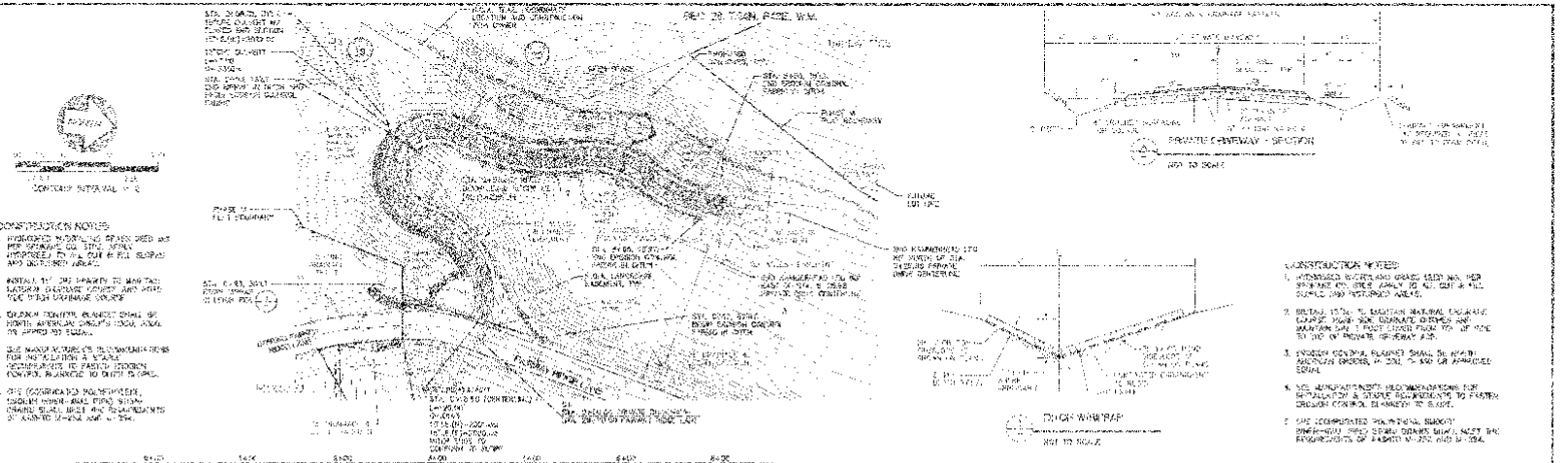
SCALE
HORIZ: N/A
VERT: N/A

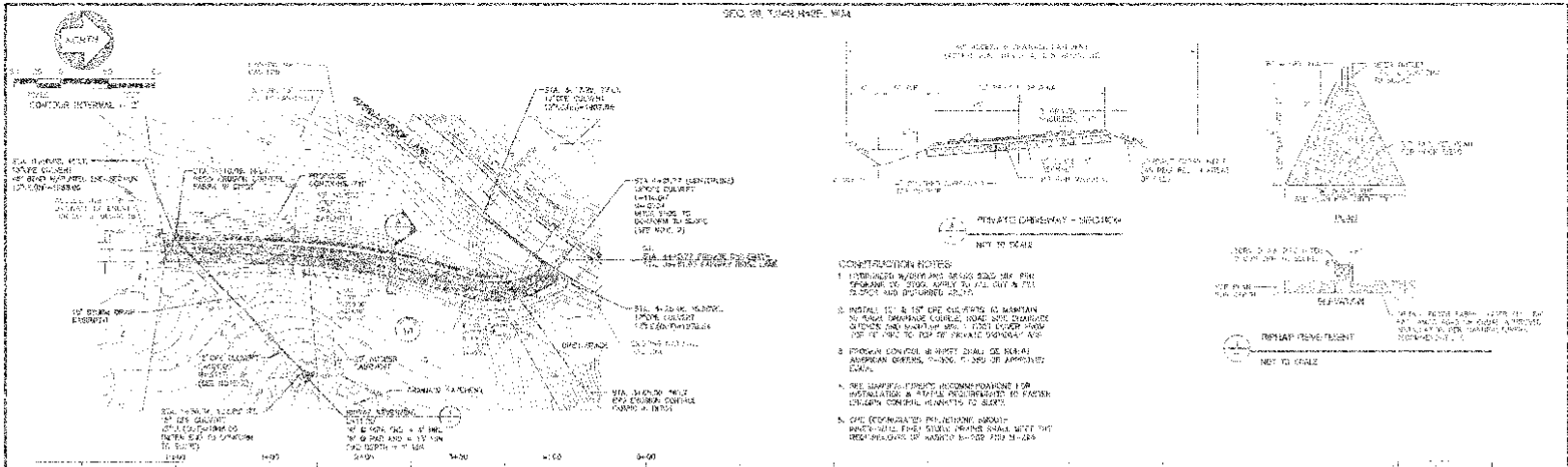
RIDGE AT HANGMAN PHASE VI

ROAD SECTIONS, DITCH DETAILS and LOT 1, BLOCK 19 GRADING PLAN

DETAILS
SHEET 13 / 13

P-1628E England drainage


CONSTRUCTION NOTES:
1. HYDROSEED W/ORTHLINE BRAND SEED MIX PER SPECIFICATIONS. USE STRAW MULCH (HYDROSEED) ON ALL CUT & FILL SLOPES AND DISTURBED AREAS.
2. INSTALL 15" CMP DRAINPIPE TO MAINTAIN NATURAL DRAINAGE COURSE AND AVOID TOE WATER DRAINAGE ONTO
3. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.
4. SEE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION & STAPLE PATTERN. SPECIAL ATTENTION TO PROPER EROSION CONTROL BLANKET TO SLOPE.
5. USE CORRUGATED POLYETHYLENE SUBDRAIN (PERF. PIPE) SPIRAL DRAINS SHALL MEET THE REQUIREMENTS OF AASHTO M-252, AND M-294.
PRIVATE DRIVEWAY - SECTION
NOT TO SCALE
DITCH WARP MAP
NOT TO SCALE
CONSTRUCTION NOTES:
1. HYDROSEED W/ORTHLINE BRAND SEED MIX PER SPECIFICATIONS. USE STRAW MULCH (HYDROSEED) ON ALL CUT & FILL SLOPES AND DISTURBED AREAS.
2. INSTALL 15" CMP DRAINPIPE TO MAINTAIN NATURAL DRAINAGE COURSE AND AVOID TOE WATER DRAINAGE ONTO
3. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.
4. SEE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION & STAPLE PATTERN. SPECIAL ATTENTION TO PROPER EROSION CONTROL BLANKET TO SLOPE.
5. USE CORRUGATED POLYETHYLENE SUBDRAIN (PERF. PIPE) SPIRAL DRAINS SHALL MEET THE REQUIREMENTS OF AASHTO M-252, AND M-294.
100' RP
EXISTING GRADE AT DRIVEWAY
BEFORE YOU DIG
CALL SCCIC
ONE CALL NUMBER
48 HR. NOTICE REQUIRED
Engineering, Inc.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
SHEET
7
9



Check	Date
Designed	
Drawn	
Checked	

No.	Date	By	Description	Approved

Parkin Engineering, Inc.
civil, transportation, land development
P.O. Box 14966, Spokane, WA 99214
(509) 924-9277 FAX (509) 924-9290

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND SURVEYS
N. 1115 Washington, Suite 210
Spokane, WA 99201-2420
(509) 477-7280

SCALE
HOR. SCALE
VERT. SCALE

RIDGE ST TANGMAN PHASE II

PRIVATE

SHEET

LANE 'B'
PRIVATE DRIVEWAY TO
LOTS 2 & 3 IN BLOCK 18
STA. 0+00 TO STA. 4+07.5

2 / 2

Private Project Drawings