ROAD AND DRAINAGE PLANS FOR:

THE Ridge AT HANGMAN

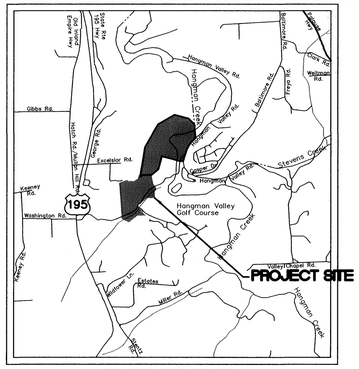
PHASE VIII

SPOKANE COUNTY, WASHINGTON

S.21 AND 28, T.24N., R.43E., W.M.

LEGEND

2010	EXISTING CONTOUR	1990	PROPOSED CONTOUR
	EASEMENT LINE		PLAT BOUNDARY
G	EXISTING BURIED GAS PIPELINE		LOT LINE
W	EXISTING WATER LINE	W	PROPOSED WATER LINE
SD	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.)	SD	PROPOSED STORM DRAIN LINE
	EXISTING FIRE HYDRANT		PROPOSED FLOW/DIRECTION
	EXISTING ACCESS ROAD		PROPOSED WATER VALVE
	EXISTING EDGE OF PAVEMENT		PROPOSED CONCRETE THRUST BLOCK
			PROPOSED WATER LINE FITTING (TYP.)
			PROPOSED OUTLET STRUCTURE
			PROPOSED STORM WATER POND
			PROPOSED ASPHALT PAVEMENT
			PROPOSED RIPRRAP REVETMENT



VICINITY MAP

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	HOOL OWL - STA. 1+00.00 TO STA. 4+08.19
3	ELK RUN LANE - STA. 1+00.00 TO STA. 13+63.68
4	PVT. DRWY. OFF ELK RUN LANE - STA. 1+00.00 TO STA. 3+93.85
5	FAIRWAY RIDGE LANE - STA. 55+46.56 TO STA. 65+59.76
6	PVT. DRWY. OFF FAIRWAY RIDGE LANE - STA. 1+00.00 TO STA. 9+32.47
7	LATAH CREEK LANE - STA. 1+00.00 TO STA. 4+28.25
8	PVT. DRWY. OFF LATAH CREEK LANE - STA. 1+00.00 TO STA. 8+37.42
9	HOOT OWL LANE - GRADING and EROSION/SEDIMENT CONTROL PLAN
10	ELK RUN LANE and PVT. DRWY. OFF ELK RUN LANE GRADING and EROSION/SEDIMENT CONTROL PLAN
11	FAIRWAY RIDGE LANE - GRADING and EROSION/SEDIMENT CONTROL PLAN
12	PVT. DRWY. OFF FAIRWAY RIDGE LANE - GRADING and EROSION/SEDIMENT CONTROL PLAN
13	LATAH CREEK LANE and PVT. DRWY. OFF LATAH CREEK LANE GRADING and EROSION/SEDIMENT CONTROL PLAN
14	TEMPORARY EROSION/SEDIMENT CONTOL DETAILS
15	ROAD SECTIONS and DITCH DETAILS
16	HOOT OWL LANE POND, PVT. DRWY. OFF FAIRWAY RIDGE LANE POND and DRAINAGE DETAILS
17	ELK RUN LANE POND, PVT. DRWY. OFF LATAH CREEK LANE POND, and DRAINAGE DETAILS
18	FAIRWAY RIDGE LANE POND and DRAINAGE DETAILS

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 "2006 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) 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 25% 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. ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC 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 DRAINAGEWAYS, ETC.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
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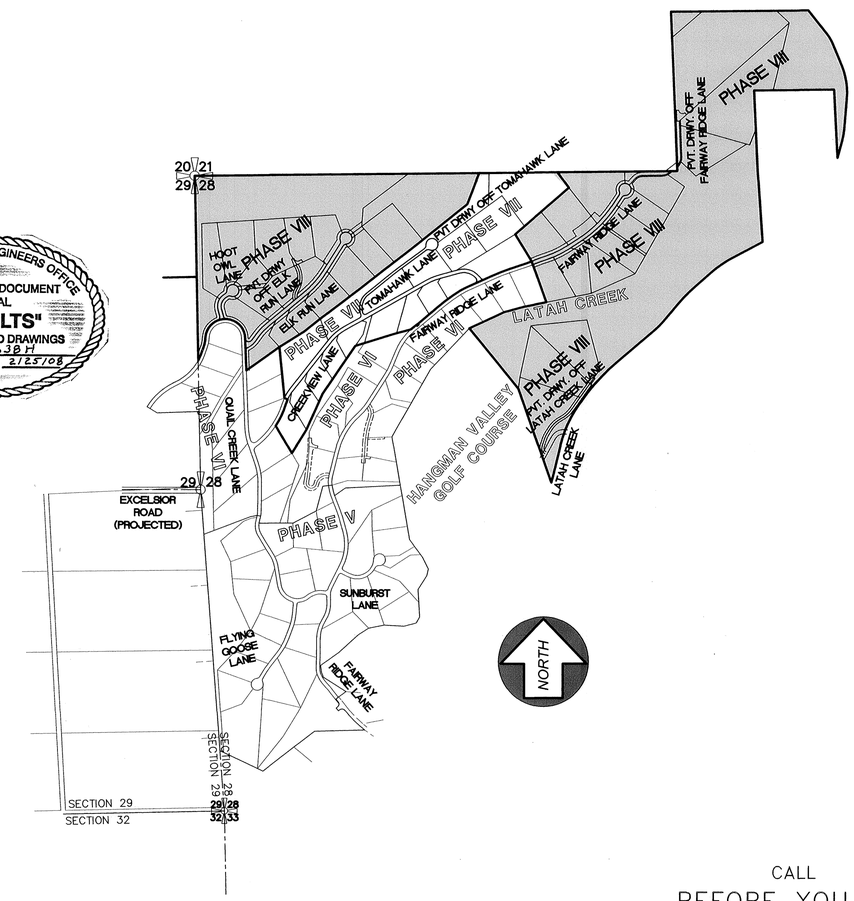

SITE MAP
1" = 600'

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

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456-8000
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2	02/08	DFT	MFM	MAA	RECORD DRAWINGS
1	5/07	DFT	MFM	MAA	1/30/07 CO. COMMENTS

Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

MICHAEL F. MOORE — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 2/1/09

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
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

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

Owner's Approval _____ Date _____

VERTICAL DATUM: PK (#505) AT CENTERLINE OF QUAIL CREEK LANE, STA. 18+99.24, (APPROX. 220±' SOUTH OF PHASE V AND PHASE VI PLAT BOUNDARY) EL. 2096.32 (NAVD 88)

CADD FILE NAME: 06035COV-ROAD.DWG

50 25 0 50 100
SCALE FEET

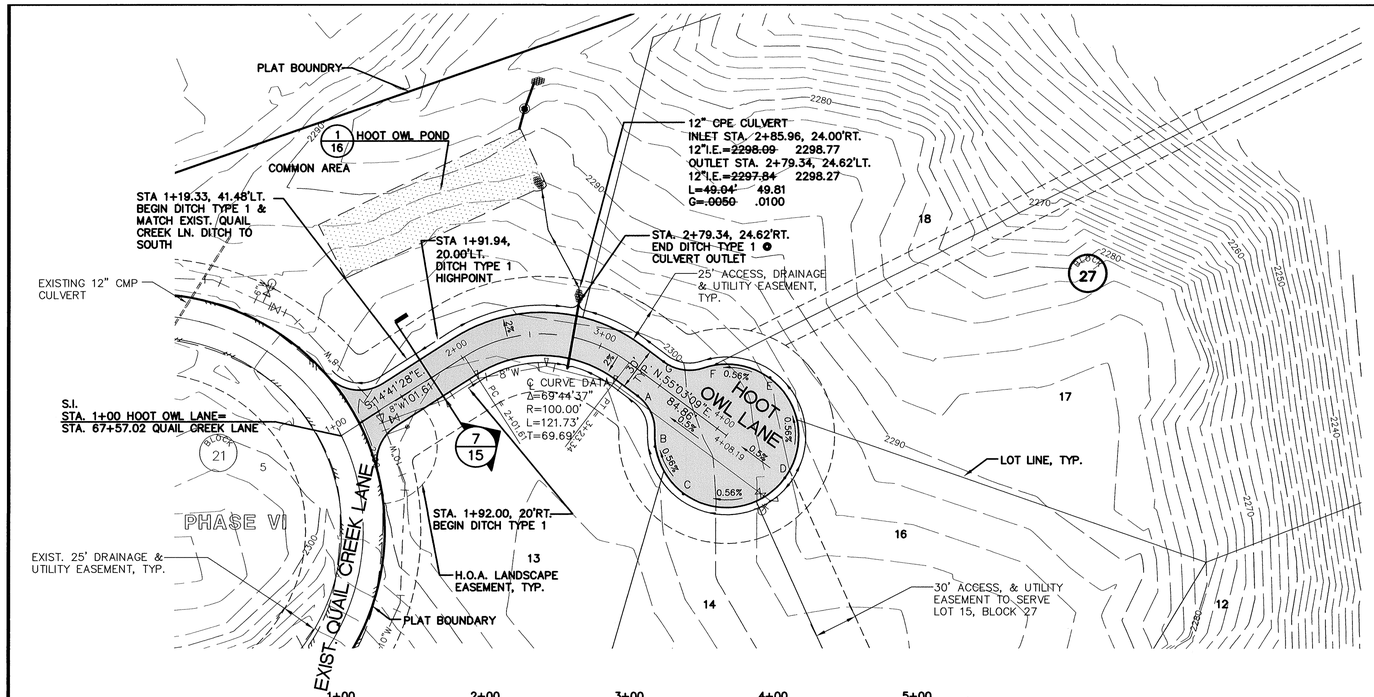
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

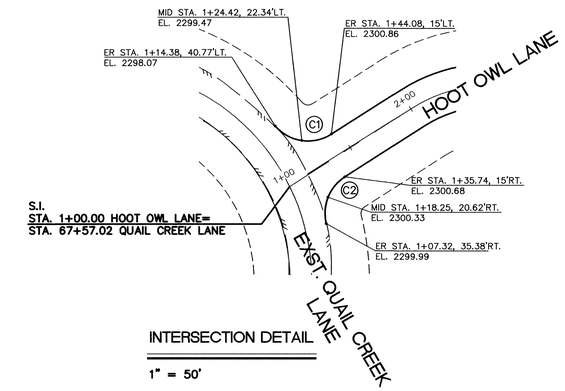
RIDGE AT HANGMAN PHASE VIII

COVER SHEET

COVER SHEET 1/18

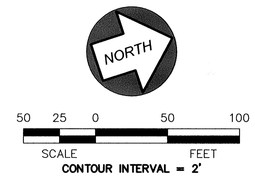
P-1638H Eng As-Builts





INTERSECTION DETAIL

1" = 50'

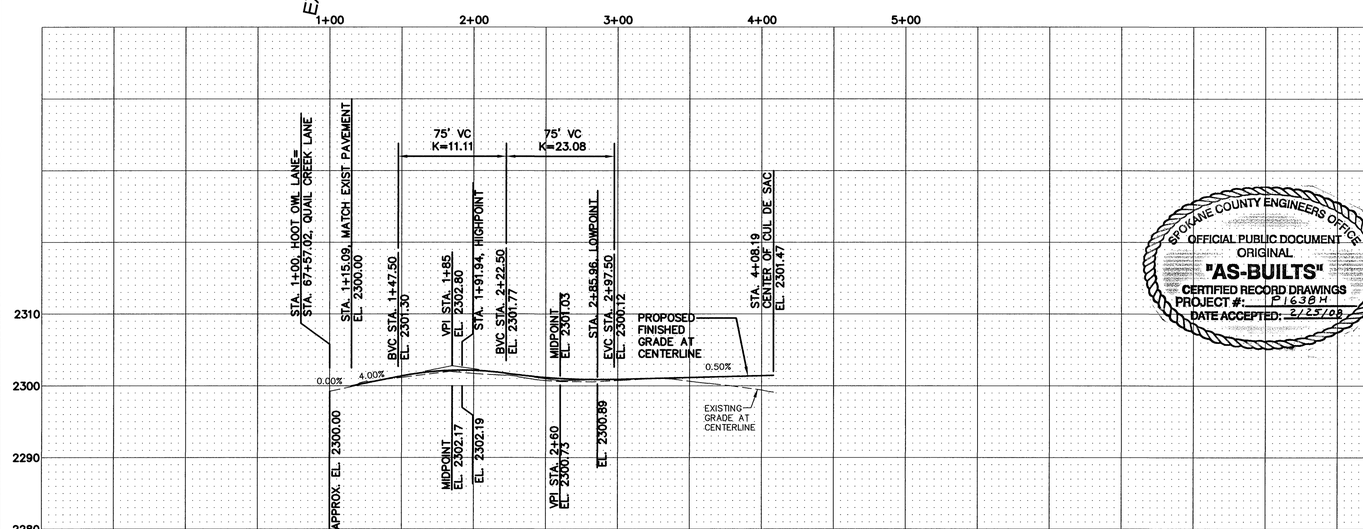


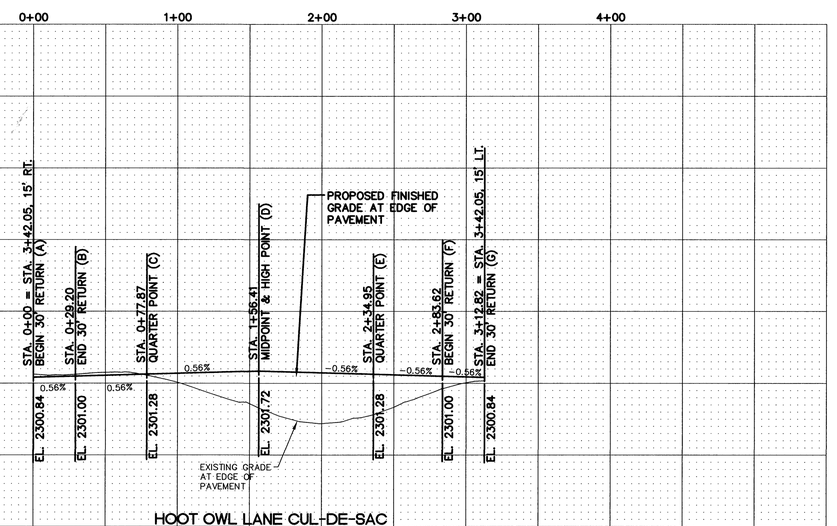
CONSTRUCTION NOTES:

1. ALL CUT & FILL SLOPES, DITCHES AND DISTURBED AREAS WERE HYDROSEEDED PER SPOKANE CO. STANDARDS.
2. EROSION CONTROL MAT IS NORTH AMERICAN GREEN C-350.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) STORM DRAINS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S.
4. CULVERT ENDS WERE MITERED TO CONFORM TO THE SURROUNDING SLOPE.

"CURB RETURN" DATA – EDGE OF ASPHALT (THIS SHEET ONLY)

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	42.88'	26.03'	81°53'43"
C2	30.00'	37.33'	21.52'	71°18'12"





HOOT OWL LANE CUL-DE-SAC
(EDGE OF PAVEMENT)

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MICHAEL F. MOSER, STATE OF WASHINGTON, 29107, REGISTERED PROFESSIONAL ENGINEER — 2/11/08
EXPIRES 2/1/09

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50 25 0 50 100
SCALE FEET

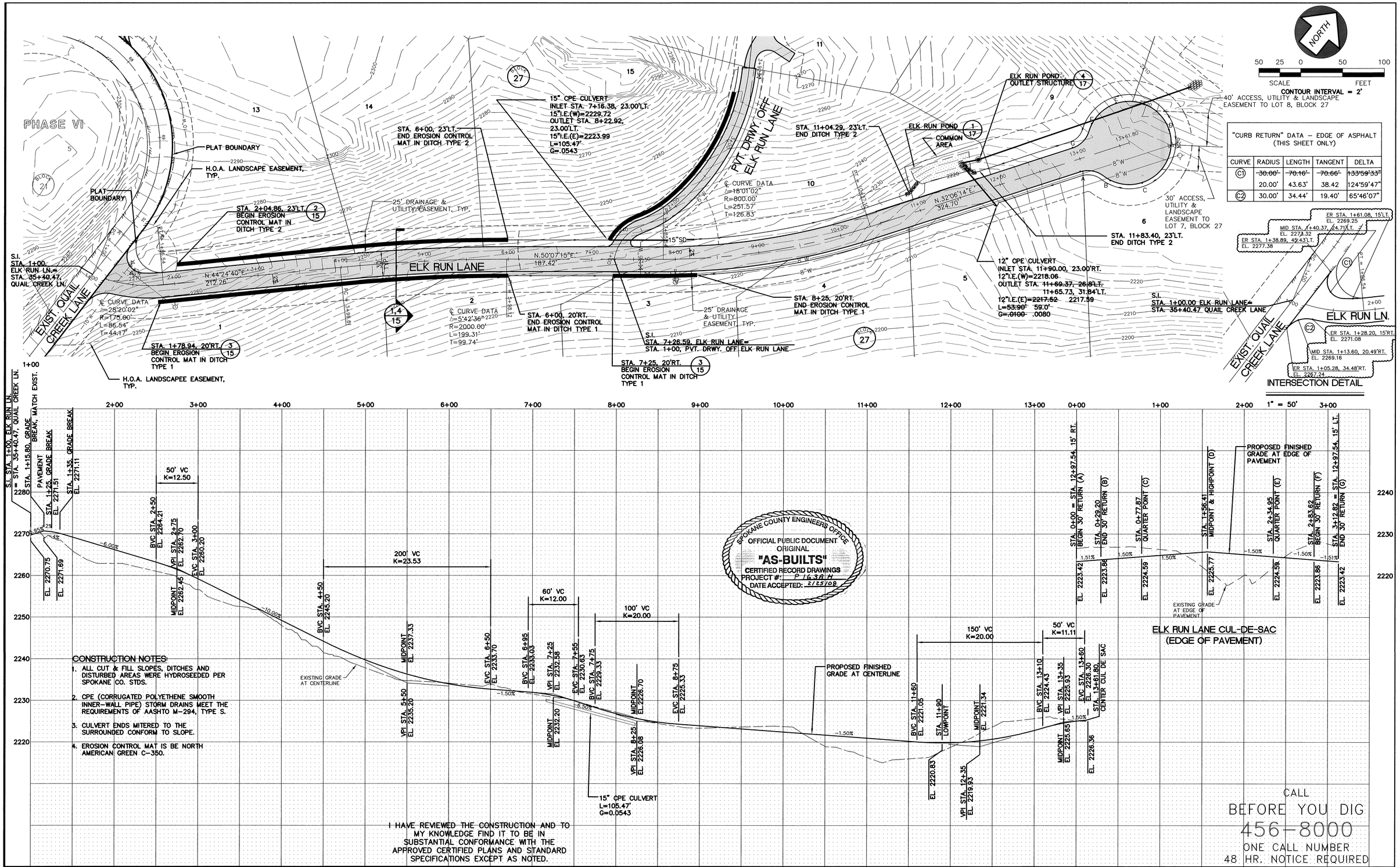
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

HOOT OWL LANE
STA. 1+00.00 TO STA. 4+08.19

ROAD
SHEET 2 / 18

P-16 38H Orig As Builts



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MICHAEL F. MORRIS STATE OF WASHINGTON 29107 REGISTERED PROFESSIONAL ENGINEER 2/14/08 EXPIRES 2/1/09

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SCALE FEET

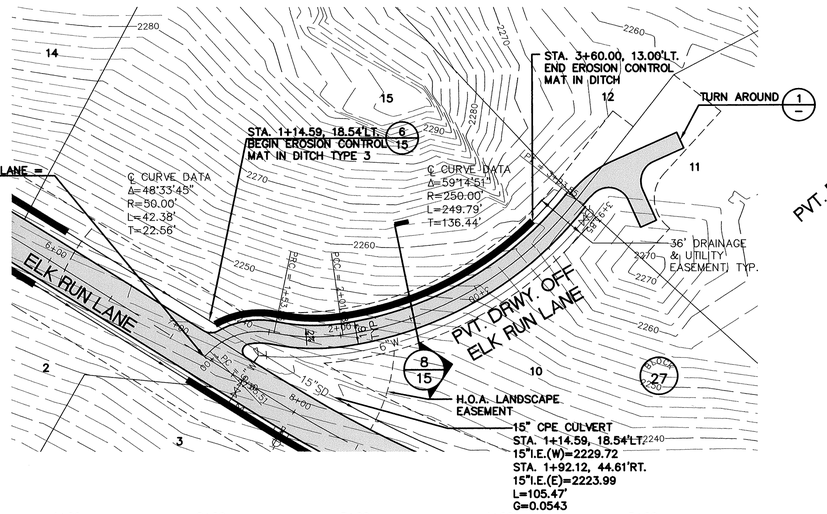
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

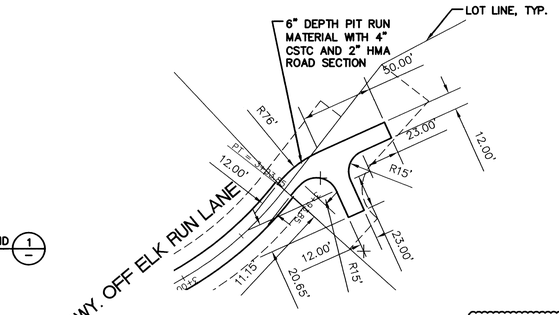
RIDGE AT HANGMAN PHASE VIII

ELK RUN LANE
STA. 1+00.00 TO STA. 13+63.68

ROAD
SHEET 3 / 18

P1638H Engr's Bulletin





'TURN AROUND' DETAIL
1" = 50'

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 2'

CONSTRUCTION NOTES:

1. MIX ALL CUT & FILL SLOPES, DITCHES AND DISTURBED AREAS WERE HYDROSEEDED PER SPOKANE CO. STDS.
2. EROSION CONTROL MAT IS NORTH AMERICAN GREEN C-350.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) STORM DRAINS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S.
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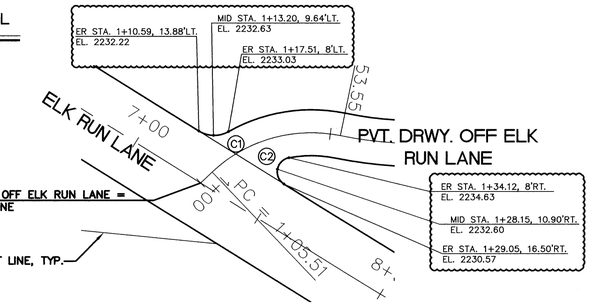

INTERSECTION DETAIL
1" = 25'

"CURB RETURN" DATA – EDGE OF ASPHALT (THIS SHEET ONLY)

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	10.00'	~~9.86'~~	~~5.37'~~	~~56°30'41"~~
		10.78'	5.98'	61°44'46"
C2	5.00'	~~13.38'~~	~~21.06'~~	~~153°17'20"~~
		11.98'	12.79'	137°17'44"

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CADD FILE NAME: 06035-SDL.DWG

50 25 0 50 100
SCALE FEET

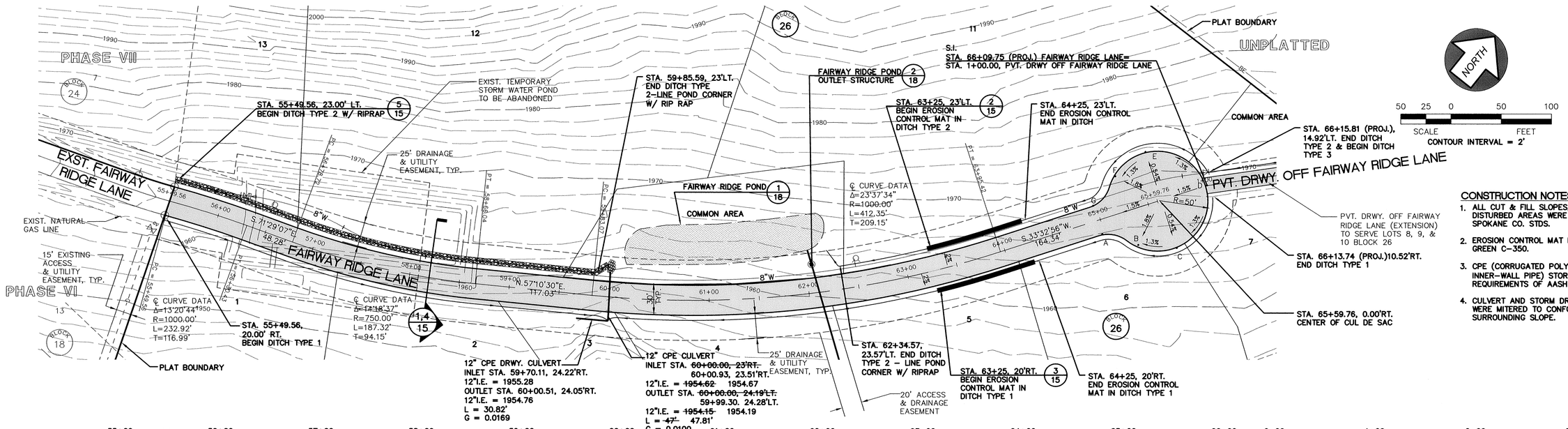
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

PVT. DRWY. OFF ELK RUN LANE
STA. 1+00.00 TO STA. 3+93.85

ROAD
SHEET 4 / 18

P1638H Eng As-Built



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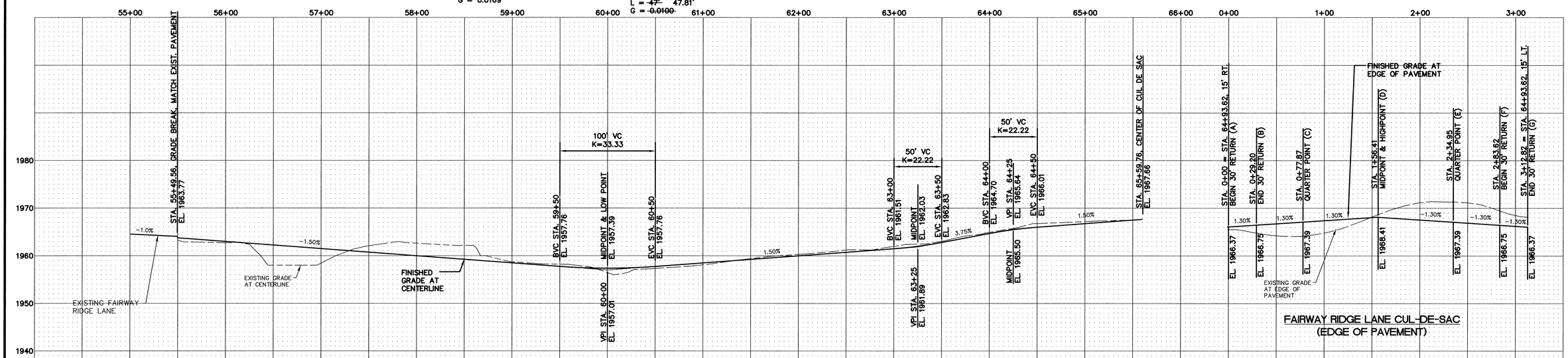

FAIRWAY RIDGE LANE CUL-DE-SAC
(EDGE OF PAVEMENT)

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SCALE
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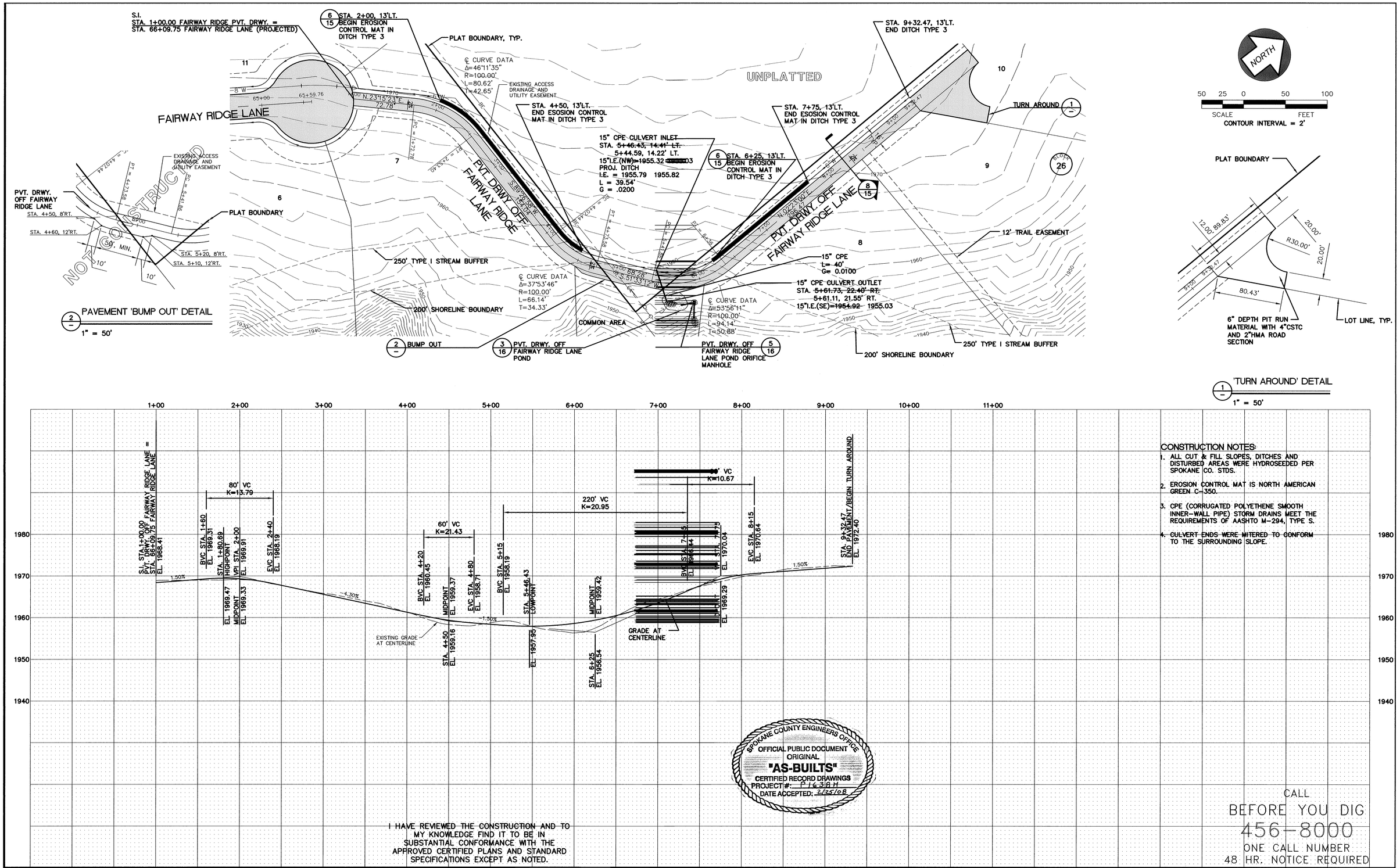
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

FAIRWAY RIDGE LANE
STA. 55+49.56 TO STA. 65+59.76

ROAD
SHEET 5/18

P-1638H



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4. ~~CULVERT ENDS WERE MITERED TO CONFORM~~ TO THE SURROUNDING SLOPE.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638H
DATE ACCEPTED: 2/25/08

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

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

No.	Date	By	Ckd.	Appr.	Revisions
2	02/08	DFT	MFM	MAA	RECORD DRAWINGS
1	5/07	DFT	MFM	MAA	1/30/07 CO. COMMENTS

		Date
Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

MICHAEL A. MORSE — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — 2/1/08 — EXPIRES 2/1/09

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Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Owner's Approval _____ Date _____

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

VERTICAL DATUM: PK (#505) AT CENTERLINE OF QUAIL CREEK LANE, STA. 18+99.24, (APPROX. 220±' SOUTH OF PHASE V AND PHASE VI PLAT BOUNDARY) EL. 2096.32 (NAVD 88)

CADD FILE NAME: 06035-LNA.DWG

50 25 0 50 100
SCALE FEET

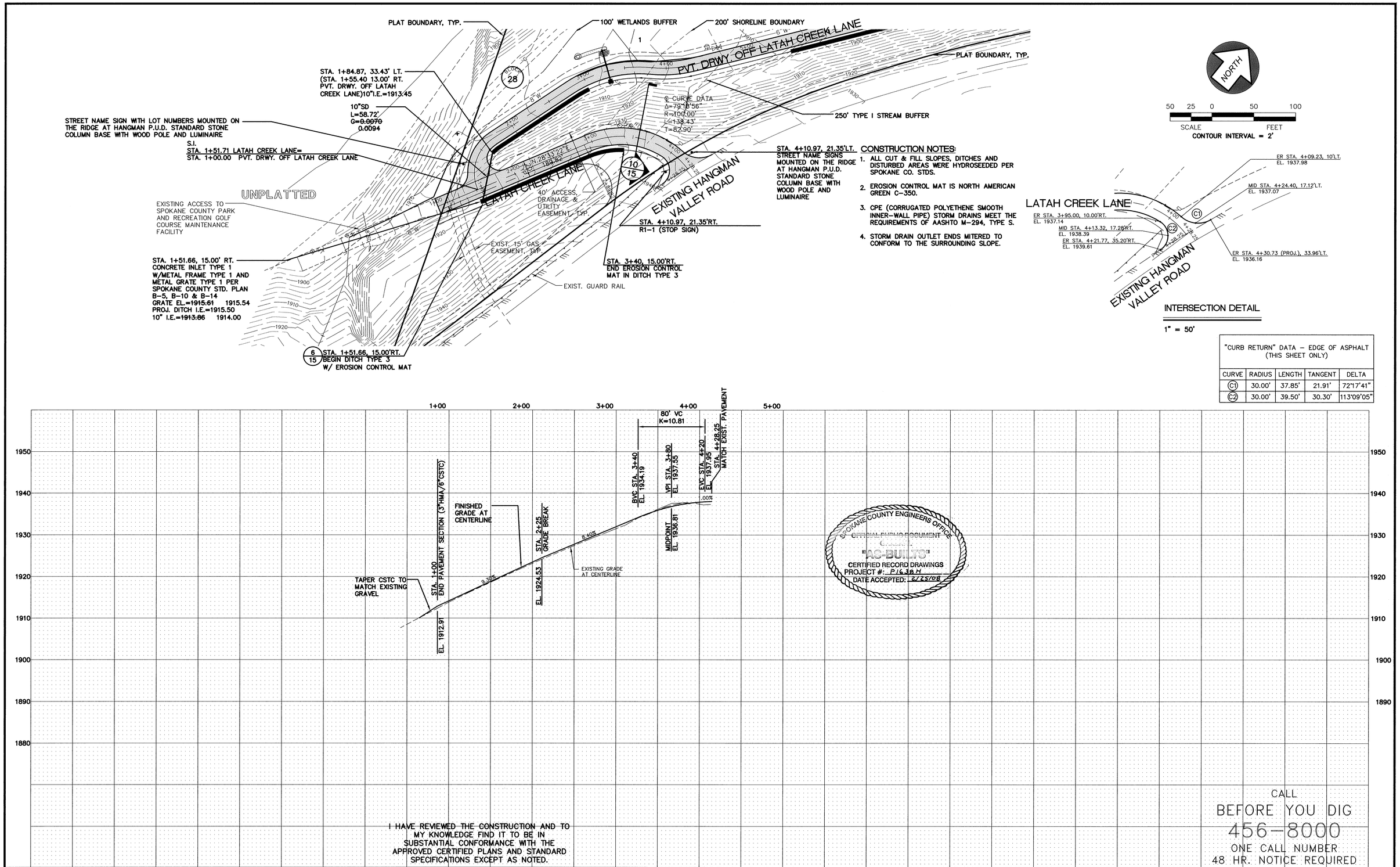
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

PVT. DRWY. OFF FAIRWAY RIDGE LANE
STA. 1+00 TO STA. 9+32.47

ROAD
SHEET 6 / 18

P1638H Eng As-Builts



CONSTRUCTION NOTES:

1. ALL CUT & FILL SLOPES, DITCHES AND DISTURBED AREAS WERE HYDROSEEDED PER SPOKANE CO. STDS.
2. EROSION CONTROL MAT IS NORTH AMERICAN GREEN C-350.
3. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) STORM DRAINS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S.
4. STORM DRAIN OUTLET ENDS MITERED TO CONFORM TO THE SURROUNDING SLOPE.

"CURB RETURN" DATA – EDGE OF ASPHALT
(THIS SHEET ONLY)

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	37.85'	21.91'	72°17'41"
C2	30.00'	39.50'	30.30'	113°09'05"

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Designed	MFM	01/22/07
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MICHAEL F. MORRIS — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 2/1/09

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CADD FILE NAME: 06035-GCR.DWG

50 25 0 50 100
SCALE FEET

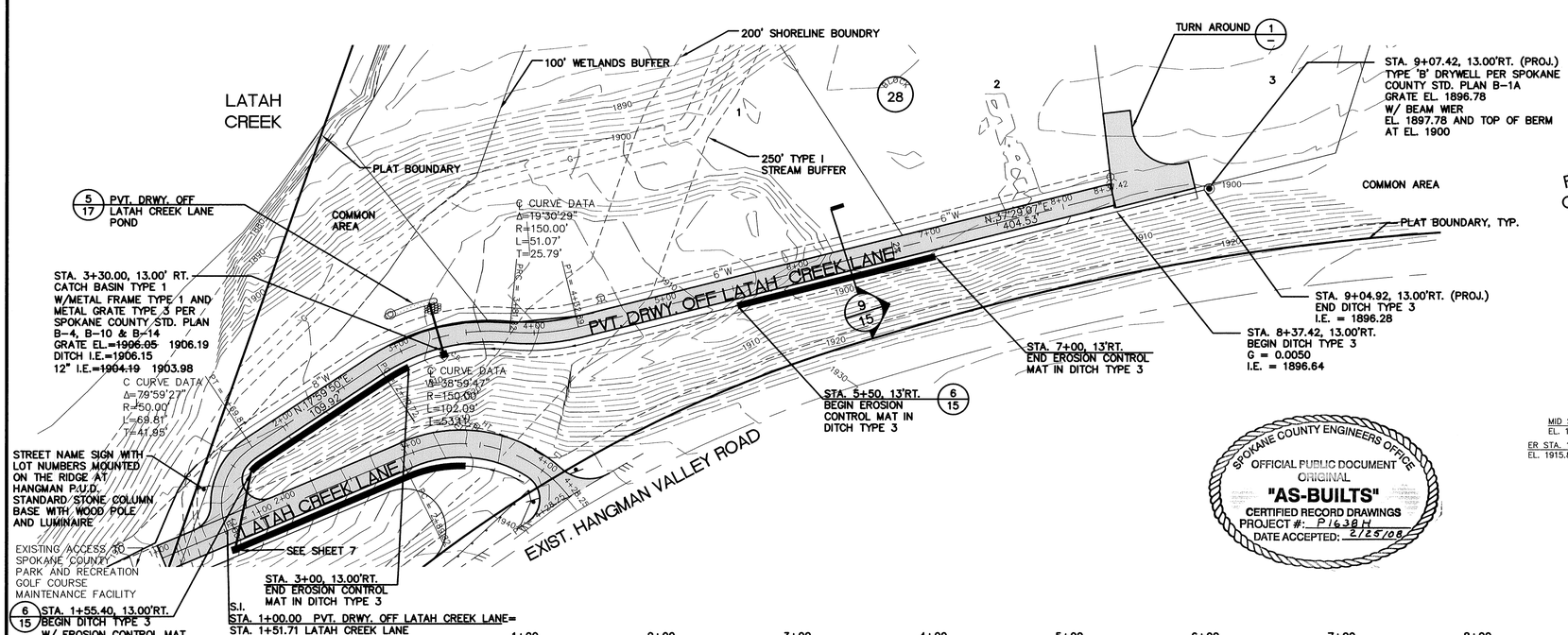
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

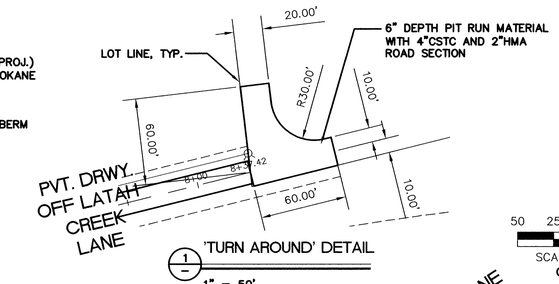
RIDGE AT HANGMAN PHASE VIII

LATAH CREEK LANE
STA. 1+00.00 TO STA. 4+28.25

ROAD
SHEET 7 / 18

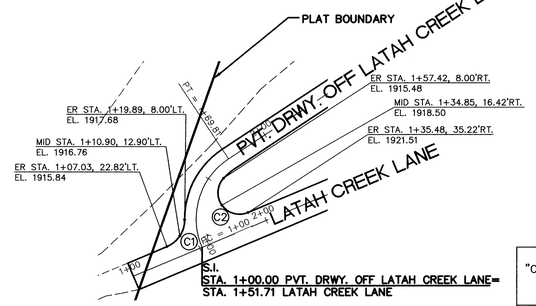
P1638H Eng As Builts





1/- 'TURN AROUND' DETAIL

1" = 50'



INTERSECTION DETAIL

1" = 50'

NORTH

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 2'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638H
DATE ACCEPTED: 2/25/08

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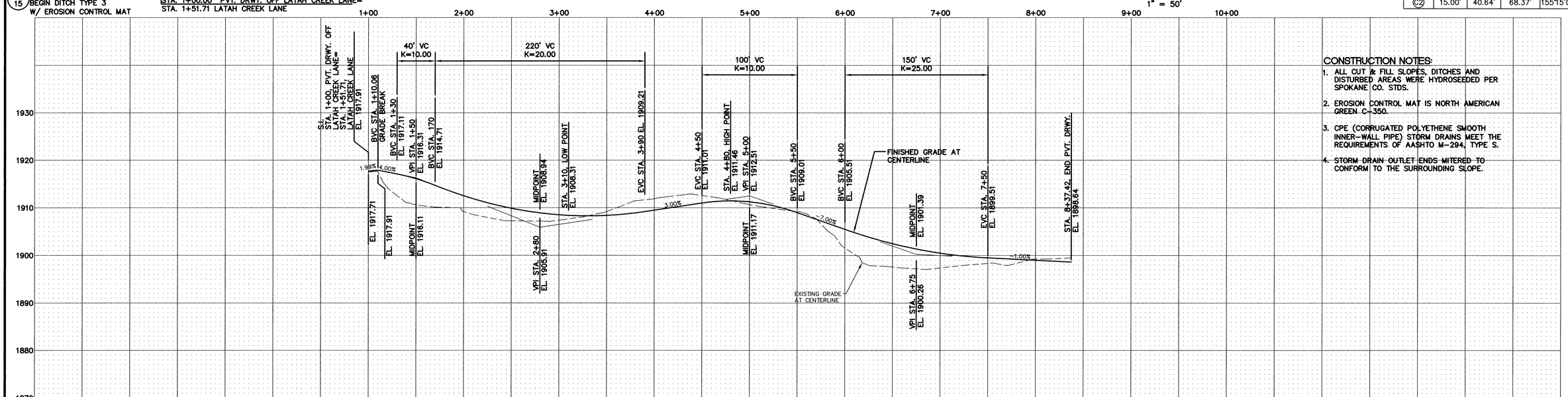
C2	15.00'	40.64'	68.37'	155°15'07"



CONSTRUCTION NOTES:

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456-8000
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Drawn	DFT	01/22/07
Designed	MFM	01/22/07
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MICHAEL F. MOHRE, STATE OF WASHINGTON, 29107, REGISTERED PROFESSIONAL ENGINEER — 2/11/08
EXPIRES 2/1/09

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Owner's Approval _____ Date _____

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Spokane Wa. 99260-0170
477-3600

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CADD FILE NAME: 06035-LATAH.DWG

50 25 0 50 100
SCALE FEET

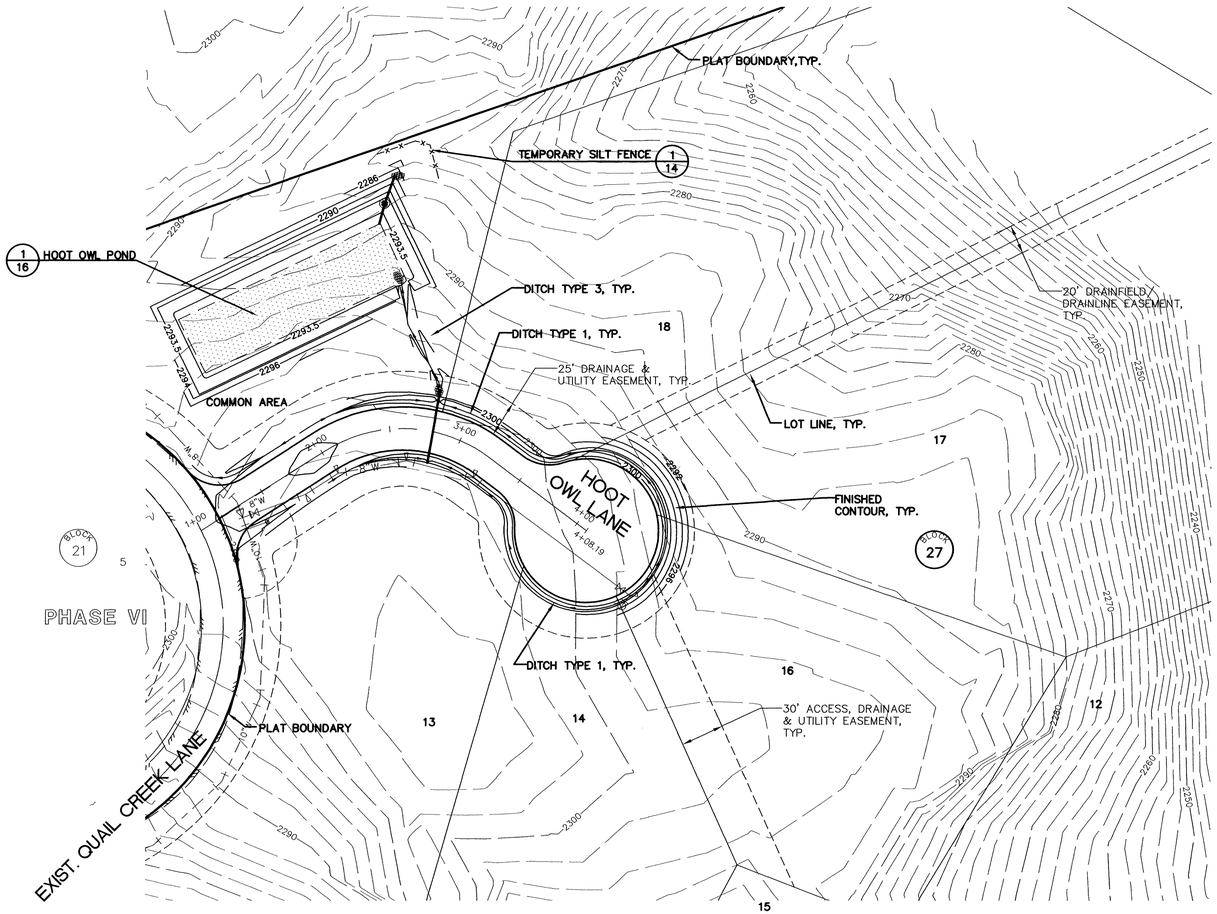
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

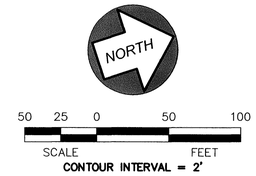
RIDGE AT HANGMAN PHASE VIII

PVT. DRWY. OFF LATAH CREEK LANE
STA. 1+00.00 TO STA. 8+37.42

ROAD
SHEET 8 / 18

P-1638H Engr's Bulletin





SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
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CADD FILE NAME: 06035-HO-ERO.DWG

50 25 0 50 100
SCALE FEET

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

RIDGE AT HANGMAN PHASE VIII

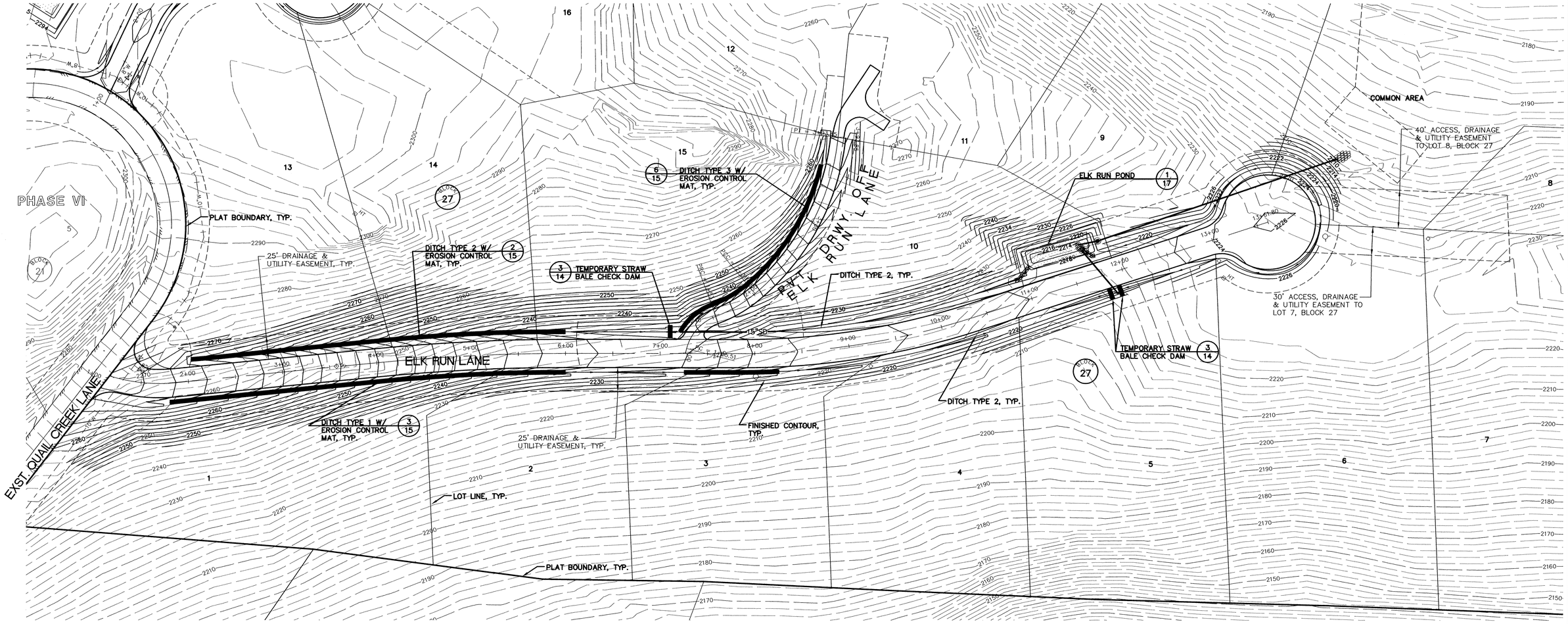
HOOT OWL LANE GRADING AND EROSION/ SEDIMENT CONTROL PLAN

GRADING SHEET 9 / 18

P-1638H Eng As Built

NORTH

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 2'



SPOKANE COUNTY ENGINEERS OFFICE
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CADD FILE NAME: 06035-ER-ERO.DWG

50 25 0 50 100
SCALE FEET

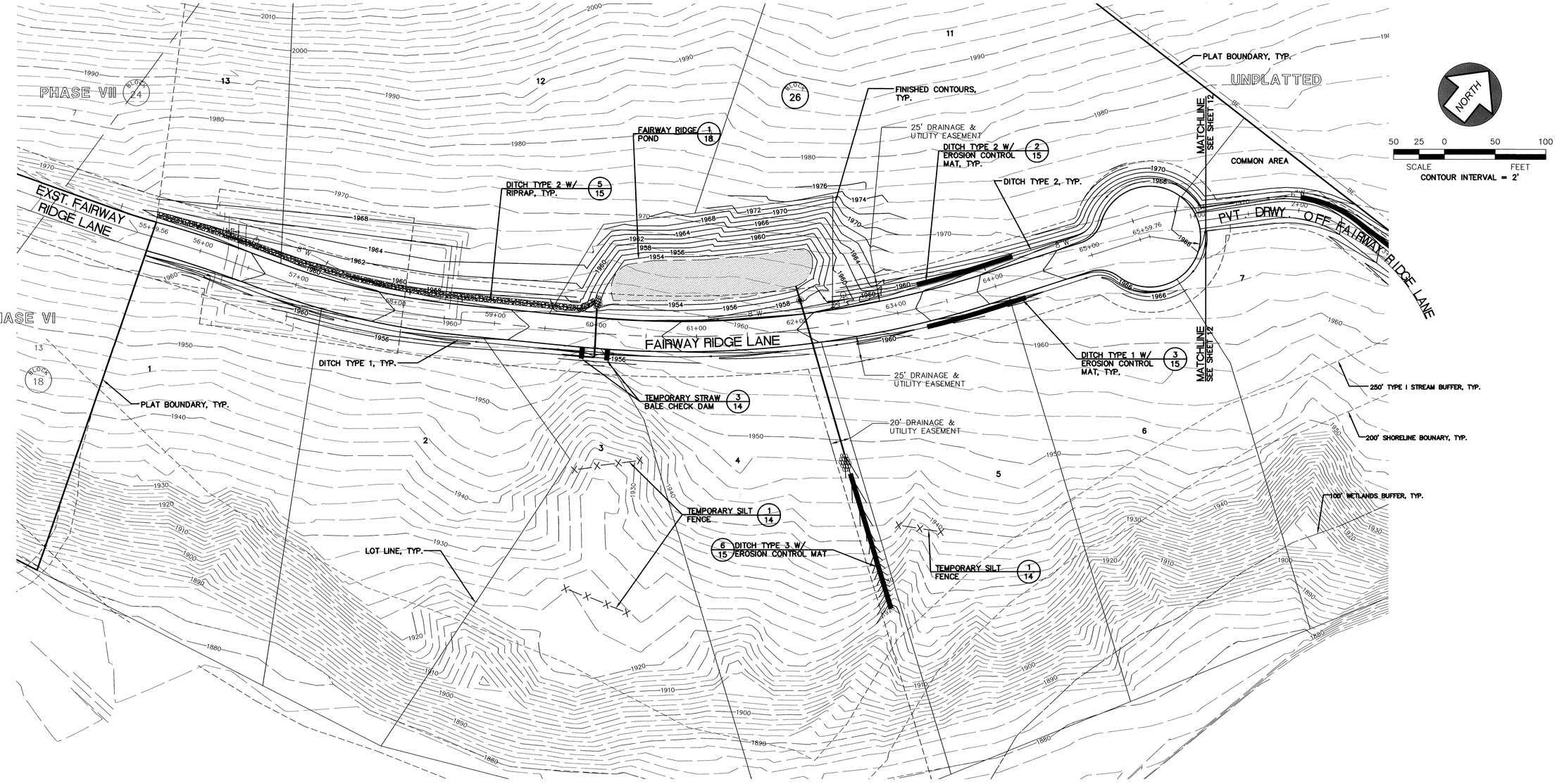
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

ELK RUN LANE AND
PVT. DRWY. OFF ELK RUN LANE
GRADING AND EROSION/SEDIMENT
CONTROL PLAN

GRADING
SHEET
10 / 18

P-16388 Eng As Builts



SPOKANE COUNTY ENGINEERS OFFICE
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CADD FILE NAME: 06035-FRL-ERO.DWG

50 25 0 50 100
SCALE FEET

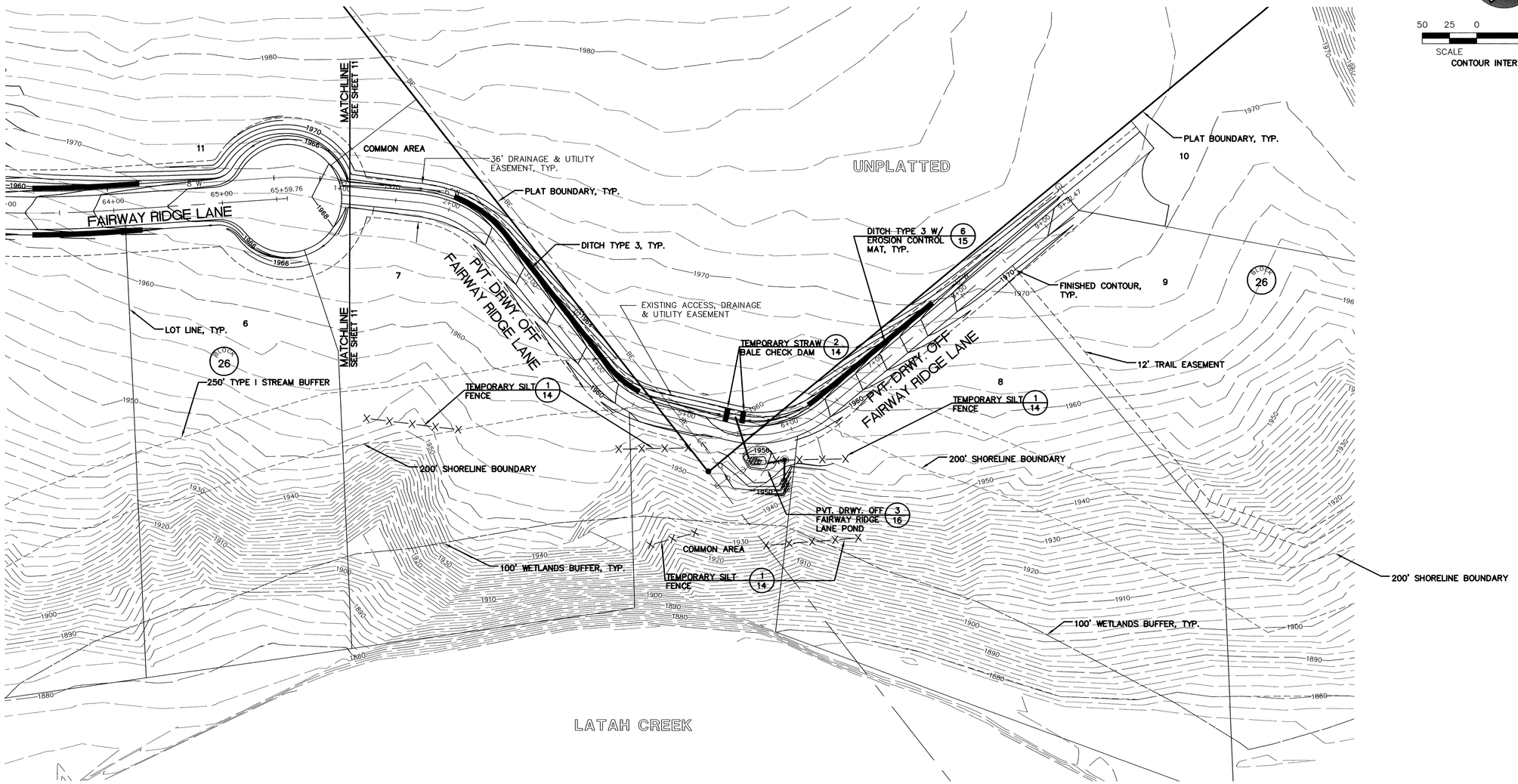
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

FAIRWAY RIDGE LANE
GRADING AND EROSION/SEDIMENT CONTROL PLAN

GRADING SHEET 11/18

P1638H



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CADD FILE NAME: 06035-LNA-ERO.DWG

50 25 0 50 100
SCALE FEET

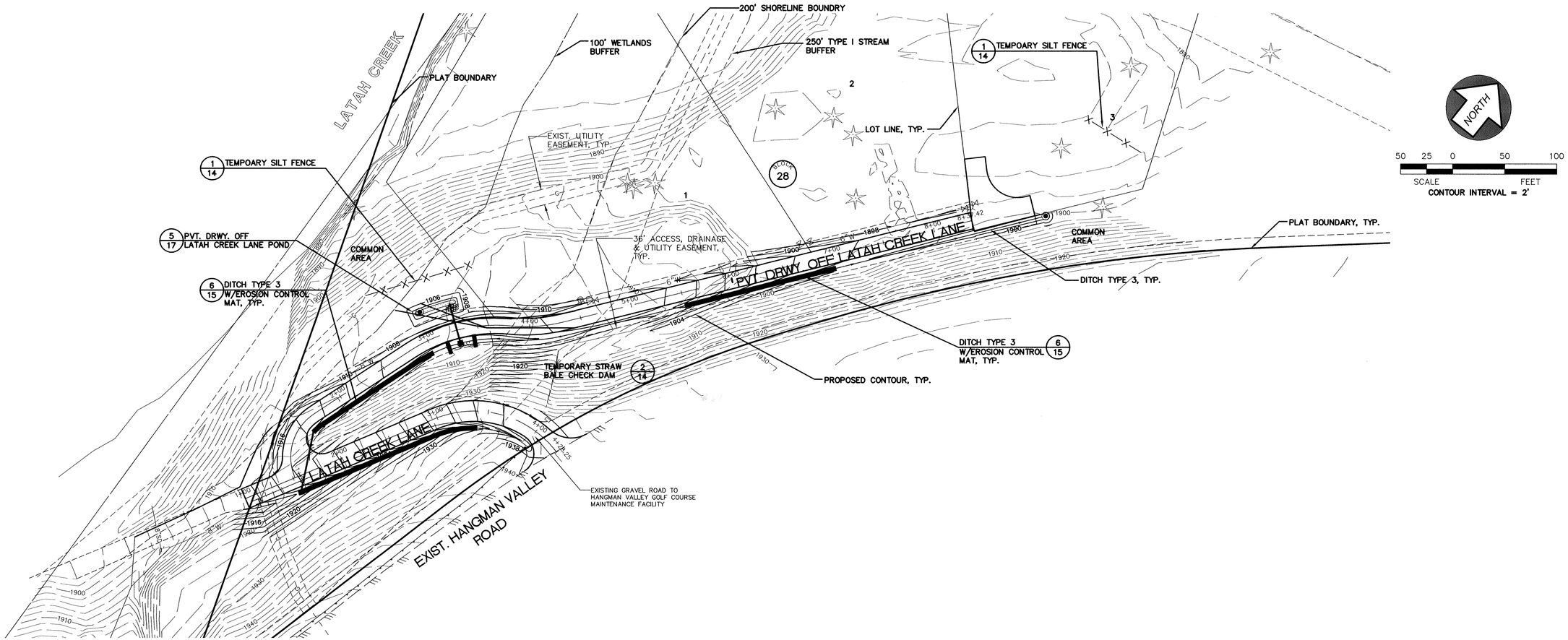
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

PVT. DRWY. OFF FAIRWAY RIDGE LANE
GRADING AND EROSION/SEDIMENT CONTROL PLAN

GRADING
SHEET 12 / 18

P-1638H Drgts Built



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CADD FILE NAME: 06035-GCRLNB-ERO.DWG

50 25 0 50 100
SCALE FEET

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

RIDGE AT HANGMAN PHASE VIII

LATAH CREEK LANE AND PVT. DRWY. OFF LATAH CREEK LANE GRADING AND EROSION/SEDIMENT CONTROL PLAN

GRADING SHEET 13/18

P 1638H Eng As Builts

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.

    CONTRACTOR SHALL CONTROL ALL ON-SITE POLLUTANTS OTHER THAN SEDIMENT IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER OR GROUNDWATER.

    THIS PLAN IS ONLY TO BE USED FOR INSTALLATION OF EROSION CONTROL FACILITIES. DO NOT USE THIS PLAN FOR GRADING OR STORM SEWER CONSTRUCTION.

    ALL PONDS AND DISTURBED AREAS SHALL BE SEEDED W/DRYLAND GRASS SEED MIX AS FOLLOWS (SPOKANE COUNTY STANDARD):

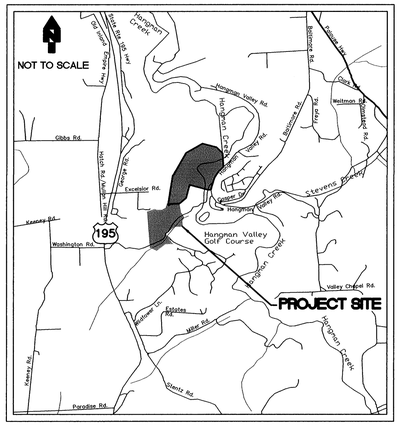
    DRYLAND SEED MIX REQUIREMENTS:

    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:

    PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:
    ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.
18. ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC 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 DRAINAGEWAYS, ETC.

PROPERTY OWNER:	SEABOARD WASHINGTON, L.P.
PERMIT APPLICANT:	SEABOARD WASHINGTON, L.P.
CONTACT PERSON AT PROJECT SITE:	BRIAN McCOY
PROJECT ADDRESS:	HIGHWAY 195 AND EXCELSIOR & STENTZ ROADS
PROJECT DESCRIPTION:	CONTINUATION 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 CONTRUCTION ENTRANCE AND EXIT PADS.
DESCRIPTION OF EXISTING SITE VEGETATION:	AREAS CONTAINING THIN STAND WOODS MEADOW-TYPE AND BRUSH GROUND COVER.
LIST OF ON-SITE SOILS:	McB- MARBLE SANDY LOAM SoE- SPEIGLE VERY STONY SILT LOAM BbB- BERNHILL SILT LOAM HoB- HESSELTINE SILT LOAM HsB- HESSELTINE STONY SILT LOAM
LEGAL DESCRIPTION:	SEE THIS SHEET



VICINITY MAP

LEGAL DESCRIPTION:

THE RIDGE AT HANGMAN PHASE VIII

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 28; THENCE N. 89°24'55" E., ALONG THE NORTH LINE OF SAID SECTION 28, 2365.79 FEET TO THE NORTHWEST CORNER OF TRACT "A" AS PER THE PLAT OF THE RIDGE AT HANGMAN PHASE VII, RECORDED IN BOOK 32 OF PLATS, PAGES 76 THRU 79, IN THE SPOKANE COUNTY AUDITOR'S OFFICE, SPOKANE, WASHINGTON; THENCE ALONG THE WESTERLY AND NORTHERLY BOUNDARY OF SAID PLAT THE FOLLOWING 8 COURSES:

1. THENCE S. 20°50'29" W., 277.73 FEET;
2. THENCE S. 51°05'21" W., 577.31 FEET;
3. THENCE S. 52°11'55" W., 315.44 FEET;
4. THENCE S. 51°38'47" W., 247.49 FEET;
5. THENCE S. 52°37'07" W., 207.43 FEET;
6. THENCE S. 52°49'56" W., 205.50 FEET;
7. THENCE S. 50°54'08" W., 170.39 FEET;
8. THENCE S. 57°35'00" W., 244.47 FEET, TO THE NORTHEAST CORNER OF LOT 3, BLOCK 22, AS PER

THE PLAT OF THE RIDGE AT HANGMAN PHASE VI, RECORDED IN BOOK 31 OF PLATS, PAGES 23 THRU 27, IN THE SPOKANE COUNTY AUDITOR'S OFFICE, SPOKANE, WASHINGTON; THENCE ALONG THE NORTHERLY AND WESTERLY BOUNDARY OF SAID PLAT THE FOLLOWING 7 COURSES:

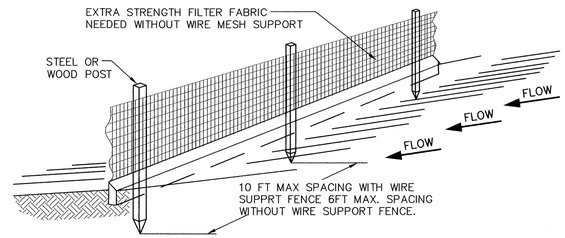
1. THENCE S. 54°34'54" W., 338.04 FEET;
2. THENCE N. 02°15'18" W., 274.33 FEET TO THE BEGINNING OF A CURVE TO THE LEFT THE RADIUS OF WHICH BEARS S. 87°44'42" W., A DISTANCE OF 165.00 FEET;
3. THENCE ALONG SAID CURVE TO THE LEFT, THROUGH A CENTRAL ANGLE OF 172°14'24", AN ARC DISTANCE OF 496.02 FEET;
4. THENCE S. 05°30'18" W., 31.05 FEET TO THE BEGINNING OF A CURVE TO THE RIGHT THE RADIUS OF WHICH BEARS N. 84°29'42" W., A DISTANCE OF 235.00 FEET;
5. THENCE ALONG SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 14°10'41", AN ARC DISTANCE OF 58.15 FEET;
6. THENCE S. 19°40'59"W., 73.75 FEET TO THE BEGINNING OF A CURVE TO THE RIGHT THE RADIUS OF WHICH BEARS N.70°19'01" W., A DISTANCE OF 310.00 FEET;
7. THENCE ALONG SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 09°14'54", AN ARC DISTANCE OF 50.04 FEET TO THE WEST LINE OF SAID SECTION 28; THENCE N. 01°08'08" W., ALONG SAID WEST LINE, 1548.81 FEET TO THE POINT OF BEGINNING.

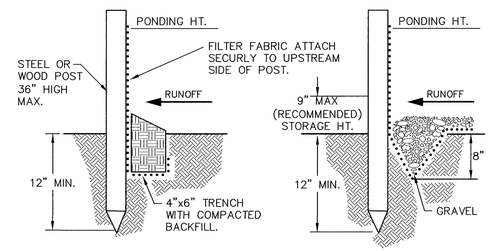
ALSO:

BEGINNING ON THE NORTH LINE OF THE N.E. ¼ OF SAID SECTION 28 AT THE NORTHEAST CORNER OF LOT 6, BLOCK 24 AS PER THE PLAT OF THE RIDGE AT HANGMAN PHASE VII, RECORDED IN BOOK 32 OF PLATS, PAGES 76 THRU 79 IN THE SPOKANE COUNTY AUDITOR'S OFFICE, SPOKANE, WASHINGTON; THENCE ALONG THE EASTERLY BOUNDARY OF SAID PLAT THE FOLLOWING 3 COURSES:

1. THENCE S. 36°11'48" E., 160.09 FEET;
2. THENCE S. 48°57'38" W., 590.67 FEET;
3. THENCE S. 31°11'03" E., 264.47 FEET TO AN ANGLE POINT IN THE BOUNDARY OF THE PLAT OF THE RIDGE AT HANGMAN PHASE VI, AS PER THE PLAT RECORDED IN BOOK 31 OF PLATS, PAGES 23 THRU 27, IN THE SPOKANE COUNTY AUDITOR'S OFFICE, SPOKANE, WASHINGTON, THENCE ALONG THE EASTERLY AND SOUTHERLY BOUNDARY OF SAID PLAT THE FOLLOWING 4 COURSES:

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





STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTES:

1. INSPECT AND REPAIR FENCE 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 EFFIECENCY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.

1 / 9-13 TEMPORARY SILT FENCE

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638H
DATE ACCEPTED: 2/25/08

LEGAL DESCRIPTION (CONT.):

THE RIDGE AT HANGMAN PHASE VIII

1. THENCE S. 19°43' 49" E., 364.03 FEET;
2. THENCE S. 78°40'48" W., 190.71 FEET;
3. THENCE S. 74°51'08" W., 169.94 FEET;
4. THENCE S. 64°28'15" W., 319.83 FEET, TO THE EAST LINE OF THE HANGMAN VALLEY GOLF COURSE;

THENCE S. 39°01'22" E., ALONG SAID EAST LINE, 650.38 FEET; THENCE S. 19°14'52" E. ALONG SAID EAST LINE, 830.90 FEET TO THE WEST RIGHT OF WAY LINE OF HANGMAN VALLEY ROAD; THENCE ALONG SAID RIGHT OF WAY LINE THE FOLLOWING 11 COURSES:

1. THENCE N. 13°44'38" E., 326.31 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT THE RADIUS OF WHICH BEARS S. 76°15'22" E., A DISTANCE OF 981.73 FEET;
2. THENCE ALONG SAID CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 21°14'14", AN ARC DISTANCE OF 363.89 FEET TO A POINT OF TANGENCY;
3. THENCE N. 34°58'52" E., 42.79 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT THE RADIUS OF WHICH BEARS S. 55°01'08" E., A DISTANCE OF 1738.42 FEET;
4. THENCE ALONG SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 14°20'44", AN ARC DISTANCE OF 435.26 FEET TO A POINT OF TANGENCY;
5. THENCE N. 49°19'36" E., 415.59 FEET TO THE BEGINNING OF A CURVE TO THE LEFT THE RADIUS OF WHICH BEARS N. 40°40'24" W., A DISTANCE OF 565.02 FEET;
6. THENCE ALONG SAID CURVE TO THE LEFT, THROUGH A CENTRAL ANGLE OF 09°36'24", AN ARC DISTANCE OF 565.02 FEET TO A POINT OF TANGENCY;
7. THENCE N. 39°43'12" E., 190.92 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT, THE RADIUS OF WHICH BEARS S. 50°16'48" E., A DISTANCE OF 1358.86 FEET;
8. THENCE ALONG SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 08°51'05", AN ARC DISTANCE OF 209.93 FEET TO A POINT OF TANGENCY;
9. THENCE N. 48°34'17" E., 182.97 FEET, TO THE BEGINNING OF A CURVE TO THE RIGHT, THE RADIUS OF WHICH BEARS S. 41°25'43" E., A DISTANCE OF 901.82 FEET;
10. THENCE ALONG SAID CURVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 13°23'39", AN ARC DISTANCE OF 210.82 FEET TO THE POINT OF TANGENCY;
11. THENCE N. 61°57'56" E., 285.34 FEET, TO THE WEST LINE OF THE N.E. ¼ OF THE N.E. ¼ OF THE N.E. ¼ OF SAID SECTION 28;

THENCE N. 03°53'29" W., ALONG SAID WEST LINE, 598.60 FEET TO THE NORTH LINE OF THE N.E. ¼ OF SAID SECTION 28; THENCE S. 89°26'58" W., ALONG SAID NORTH LINE, 1666.27 FEET TO THE POINT OF BEGINNING.

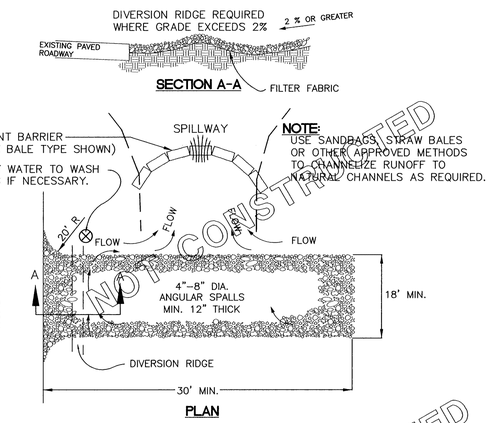
ALSO:

THE WEST HALF OF THE S.E. ¼ OF THE S.E. ¼ OF SAID SECTION 21 AND THAT PORTION OF THE N.E. ¼ OF THE S.E. ¼ OF THE S.E. ¼ OF SAID SECTION 21 LYING WEST OF HANGMAN VALLEY ROAD AND THAT PORTION OF THE S.W. ¼ OF THE S.W. ¼ OF SAID SECTION 22 LYING WEST OF HANGMAN VALLEY ROAD.

ALSO:

LOT 7, BLOCK 24, AS PER THE PLAT OF THE RIDGE AT HANGMAN PHASE VII, RECORDED IN BOOK 32 OF PLATS, PAGES 76 THRU 79, IN THE SPOKANE COUNTY AUDITOR'S OFFICE, SPOKANE, WASHINGTON.

AREA = 152.04 ACRES



NOTES:

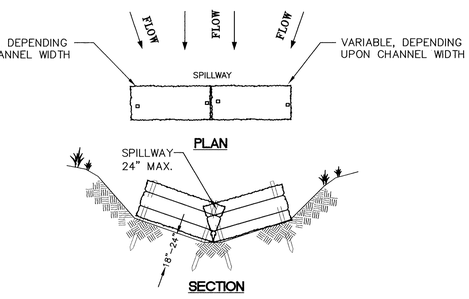
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO EXIST. ASPHALT 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 HOOT OWL LANE, ELK RUN LANE, FAIRWAY RIDGE LANE AND LATAH CREEK LANE.

NOT CONSTRUCTED

NOT CONSTRUCTED

2 / 9-13 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 ABUTTING 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 / 9-13 TEMPORARY STRAW BALE CHECK DAM

NOT TO SCALE

NOTE:
SEE SHEETS 9 THRU 13 FOR LOCATIONS OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, I.E. SILT FENCES AND STRAW BALE CHECK DAMS.

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

No.	Date	By	Ckd.	Appr.	Revisions
2	02/08	DFT	MFM	MAA	RECORD DRAWINGS
1	5/07	DFT	MFM	MAA	1/30/07 CO. COMMENTS

Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

STATE OF WASHINGTON MICHAEL F. MORRIS 29107 REGISTERED PROFESSIONAL ENGINEER 1/19/07
EXPIRES 2/1/09

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
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

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

Owner's Approval _____ Date _____

VERTICAL DATUM: PK (#505) AT CENTERLINE OF QUAIL CREEK LANE, STA. 18+99.24, (APPROX. 220±' SOUTH OF PHASE V AND PHASE VI PLAT BOUNDARY) EL. 2096.32 (NAVD 88)

CADD FILE NAME: 06035-ERO-DETAILS.DWG

50 25 0 50 100
SCALE FEET

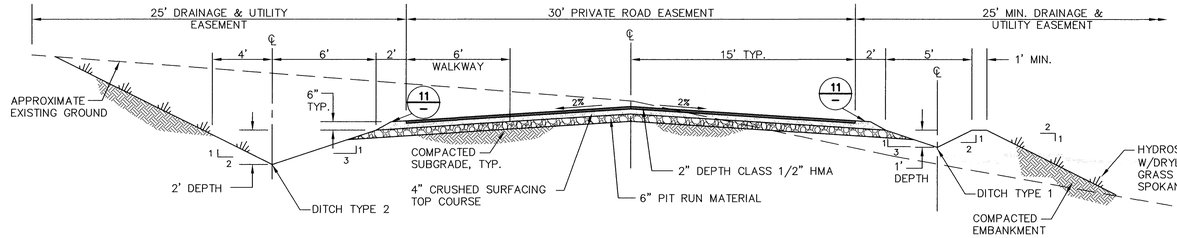
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

TEMPORARY EROSION/SEDIMENT CONTROL PLAN DETAILS

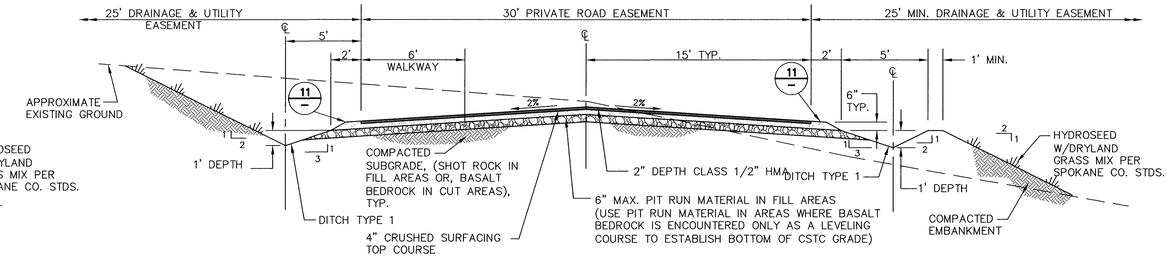
GRADING SHEET 14 / 18

P 16384 Eng As Built



1 PRIVATE ROAD SECTION (CUT) - FAIRWAY RIDGE LANE and ELK RUN LANE

NOT TO SCALE

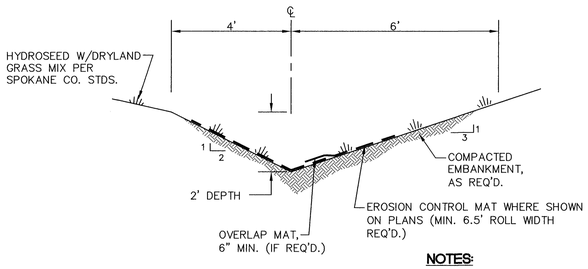


7 PRIVATE ROAD SECTION - HOOT OWL LANE

NOT TO SCALE

NOTE (HOOT OWL LANE:

1. NATIVE "ML" CLASSIFIED SOILS REMOVED DOWN TO BEDROCK OR TO A MAX. DEPTH OF 2' BELOW BASE OF THE PAVEMENT SECTION (BOTTOM OF CSTC GRADE) & REPLACED WITH STRUCTURAL FILL (BASALT SHOT ROCK).

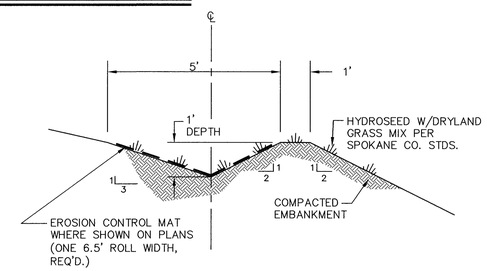


2 DITCH TYPE 2 W/EROSION MAT

NOT TO SCALE

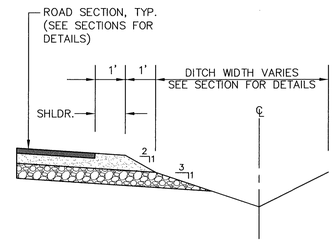
NOTES:

1. EROSION CONTROL MAT SHALL BE NORTH AMERICAN GREEN'S C350, OR APPROVED EQUAL.
2. SEE MANUFACTURER'S RECOMMENDATION FOR INSTALLATION & STAPLE REQUIREMENTS TO FASTEN EROSION CONTROL MAT TO DITCH SLOPES.



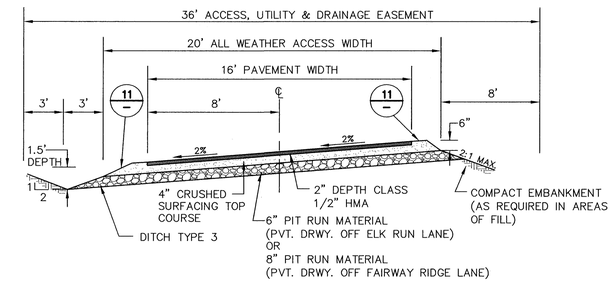
3 DITCH TYPE 1 W/EROSION MAT

NOT TO SCALE



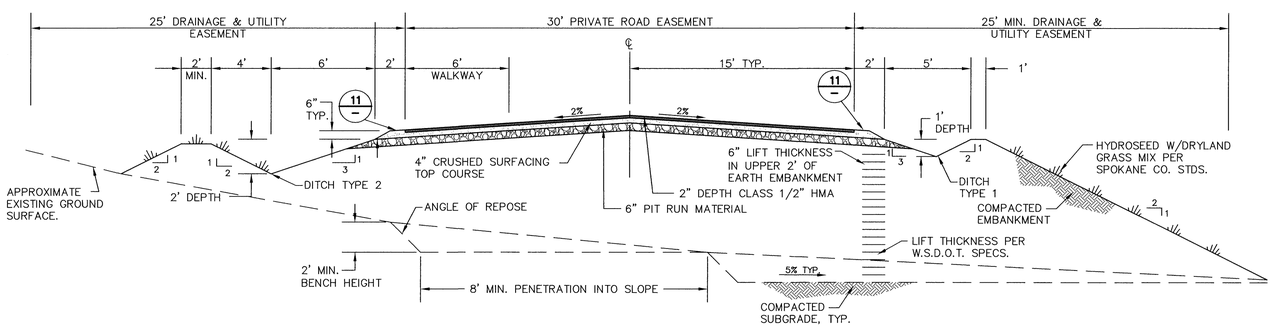
11 SHOULDER DETAIL

NOT TO SCALE



8 PVT. DRWY. OFF ELK RUN LANE and PVT. DRWY. OFF FAIRWAY RIDGE LANE - SECTION

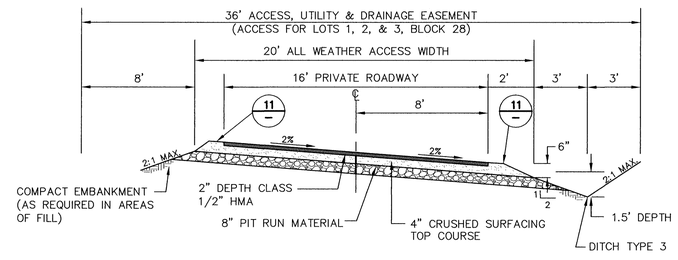
NOT TO SCALE



4 PRIVATE ROAD SECTION (FILL) - FAIRWAY RIDGE LANE and ELK RUN LANE

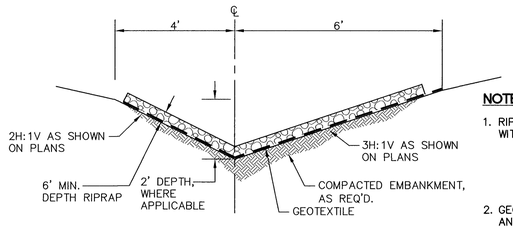
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638H
DATE ACCEPTED: 2/25/08



9 PVT. DRWY. OFF LATAH CREEK LANE - SECTION

NOT TO SCALE



NOTES:

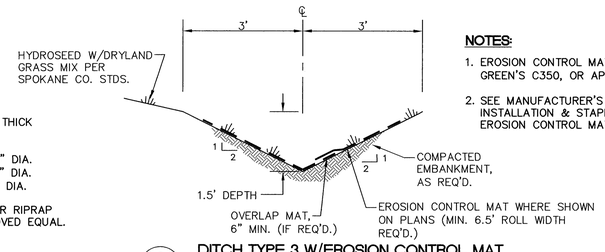
1. RIPRAP PAD SHALL BE INSTALLED 1.0' THICK WITH THE FOLLOWING GRADATION:

   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 AMCO 4545, OR APPROVED EQUAL.

5 DITCH TYPE 2 W/RIPRAP

NOT TO SCALE

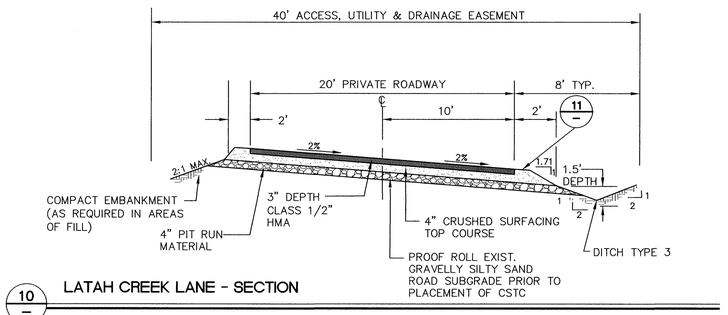


NOTES:

1. EROSION CONTROL MAT SHALL BE NORTH AMERICAN GREEN'S C350, OR APPROVED EQUAL.
2. SEE MANUFACTURER'S RECOMMENDATION FOR INSTALLATION & STAPLE REQUIREMENTS TO FASTEN EROSION CONTROL MAT TO DITCH SLOPES.

6 DITCH TYPE 3 W/EROSION CONTROL MAT

NOT TO SCALE



10 LATAH CREEK LANE - SECTION

NOT TO SCALE

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

No.	Date	By	Ckd.	Appr.	Revisions
2	02/08	DFT	MFM	MAA	RECORD DRAWINGS
1	5/07	DFT	MFM	MAA	1/30/07 CO. COMMENTS

Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

MICHAEL F. MOORE — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 2/1/09

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Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Owner's Approval _____ Date _____

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

VERTICAL DATUM: PK (#505) AT CENTERLINE OF QUAIL CREEK LANE, STA. 18+99.24, (APPROX. 220±' SOUTH OF PHASE V AND PHASE VI PLAT BOUNDARY) EL. 2096.32 (NAVD 88)

CADD FILE NAME: 06035-ROAD-DETAILS.DWG

50 25 0 50 100
SCALE FEET

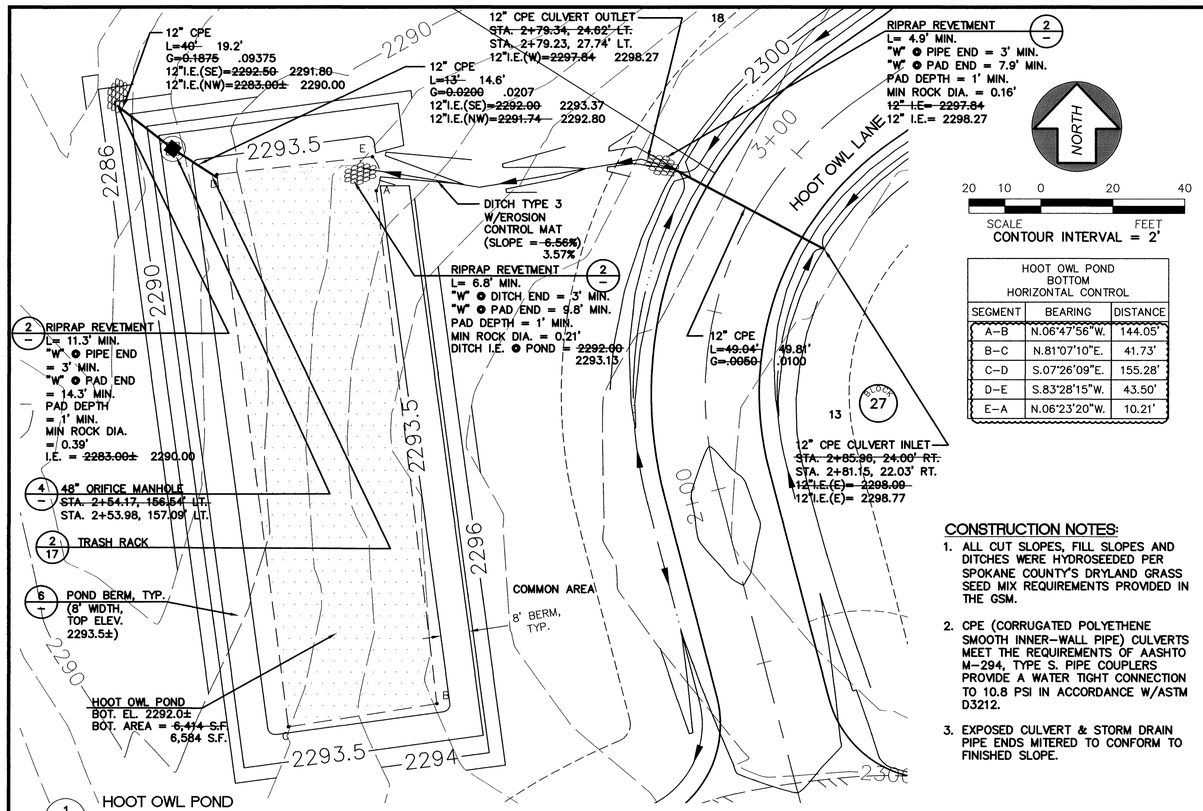
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

RIDGE AT HANGMAN PHASE VIII

ROAD SECTIONS and DITCH DETAILS

DETAILS
SHEET 15 / 18

P-1638H Engr's Builts



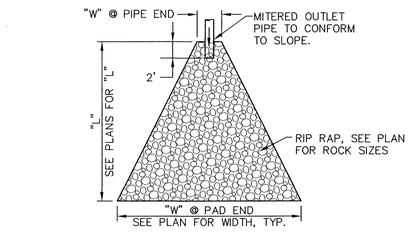
HOOT OWL POND BOTTOM HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	N.06°47'56"W.	144.05'
B–C	N.81°07'10"E.	41.73'
C–D	S.07°26'09"E.	155.28'
D–E	S.83°28'15"W.	43.50'
E–A	N.06°23'20"W.	10.21'

CONSTRUCTION NOTES:

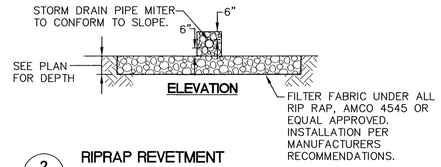
1. ALL CUT SLOPES, FILL SLOPES AND DITCHES WERE HYDROSEEDED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS PROVIDED IN THE GSM.
2. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S. PIPE COUPLERS PROVIDE A WATER TIGHT CONNECTION TO 10.8 PSI IN ACCORDANCE W/ASTM D3212.
3. EXPOSED CULVERT & STORM DRAIN PIPE ENDS MITERED TO CONFORM TO FINISHED SLOPE.

HOOT OWL POND (1/–)

1" = 20'



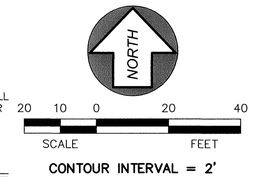
PLAN



ELEVATION

RIPRAP REVETMENT (2/–)

NOT TO SCALE

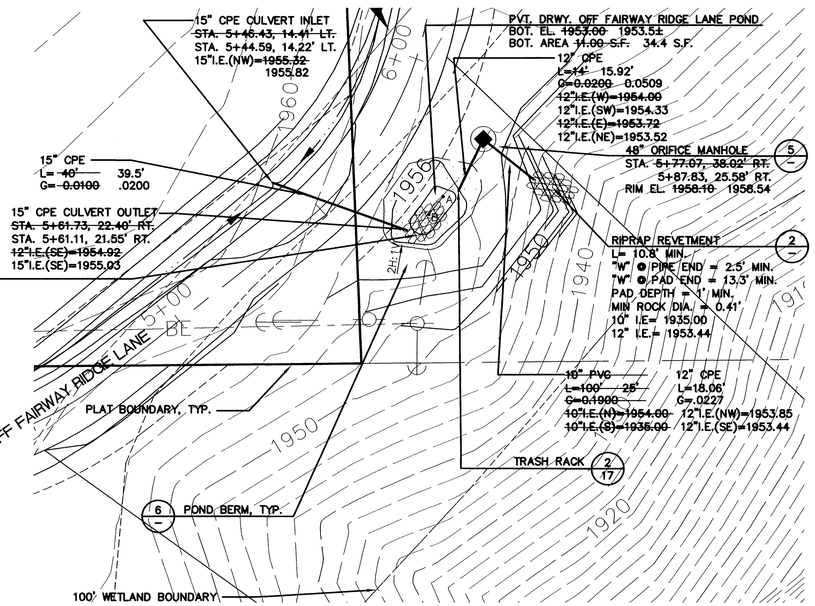


PVT. DRWY. OFF FAIRWAY RIDGE LANE POND BOTTOM HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	S.38°22'58"W.	6.37'

CONSTRUCTION NOTES:

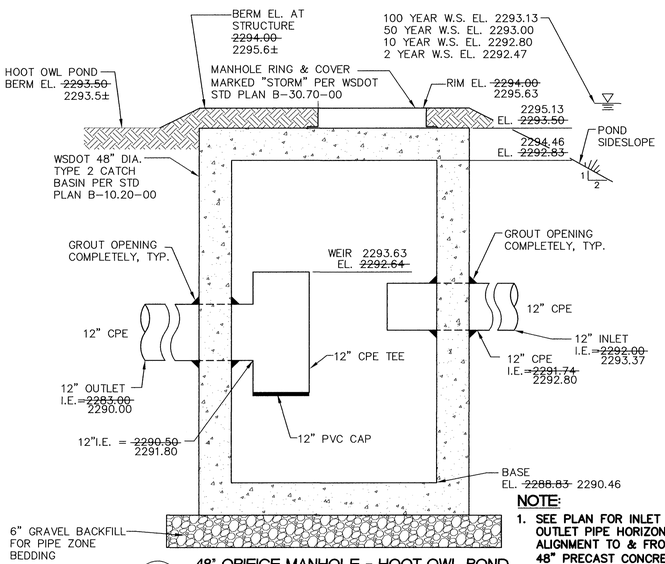
1. ALL CUT SLOPES, FILL SLOPES AND DITCHES WERE HYDROSEEDED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS PROVIDED IN THE GSM.
2. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S. PIPE COUPLERS PROVIDE A WATER TIGHT CONNECTION TO 10.8 PSI IN ACCORDANCE W/ASTM D3212.
3. EXPOSED CULVERT & STORM DRAIN PIPE ENDS MITERED TO CONFORM TO FINISHED SLOPE.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638H
DATE ACCEPTED: 2/25/08



PVT. DRWY. OFF FAIRWAY RIDGE LANE POND (3/–)

1" = 20'

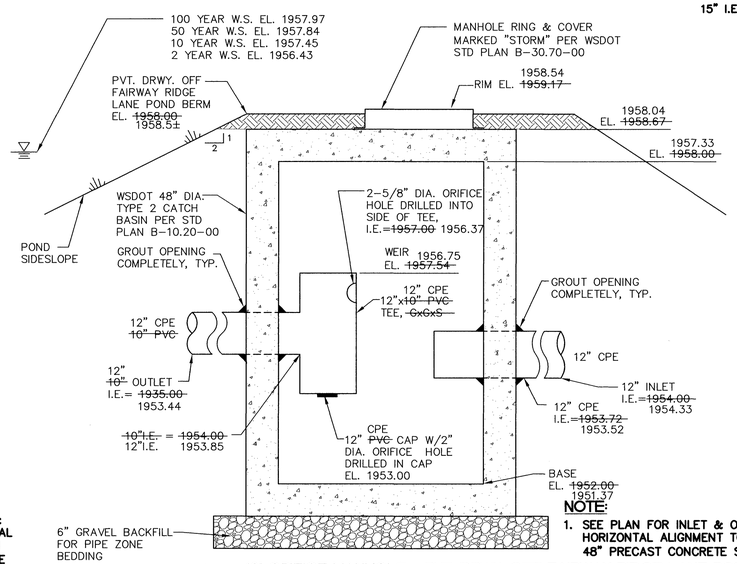


NOTE:

1. SEE PLAN FOR INLET & OUTLET PIPE HORIZONTAL ALIGNMENT TO & FROM 48" PRECAST CONCRETE STRUCTURE.

48" ORIFICE MANHOLE - HOOT OWL POND (4/–)

NOT TO SCALE

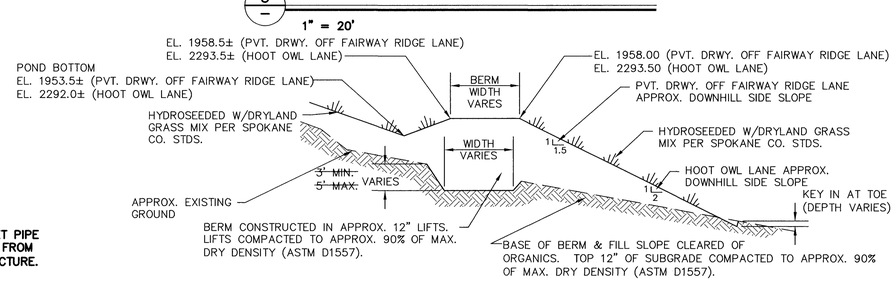


NOTE:

1. SEE PLAN FOR INLET & OUTLET PIPE HORIZONTAL ALIGNMENT TO & FROM 48" PRECAST CONCRETE STRUCTURE.

48" ORIFICE MANHOLE - PVT. DRWY. OFF FAIRWAY RIDGE LANE POND (5/–)

NOT TO SCALE



HOOT OWL LANE and PVT. DRWY. OFF FAIRWAY RIDGE LANE POND BERM FILL SECTION (6/–)

NOT TO SCALE

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

No.	Date	By	Ckd.	Appr.	Revisions
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1	5/07	DFT	MFM	MAA	1/30/07 CO. COMMENTS

Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

MICHAEL F. MORRIS — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 2/1/09

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Spokane Wa. 99260-0170
477-3600

VERTICAL DATUM: PK (#505) AT CENTERLINE OF QUAIL CREEK LANE, STA. 18+99.24, (APPROX. 220±' SOUTH OF PHASE V AND PHASE VI PLAT BOUNDARY) EL. 2296.32 (NAVD 88)

CADD FILE NAME: 06035ST-DET.DWG

50 25 0 50 100
SCALE FEET

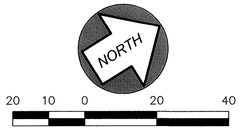
SCALE
HORIZ. AS NOTED
VERT. AS NOTED

RIDGE AT HANGMAN PHASE VIII

HOOT OWL LANE POND,
PVT. DRWY. OFF FAIRWAY RIDGE LANE POND
AND
DRAINAGE DETAILS

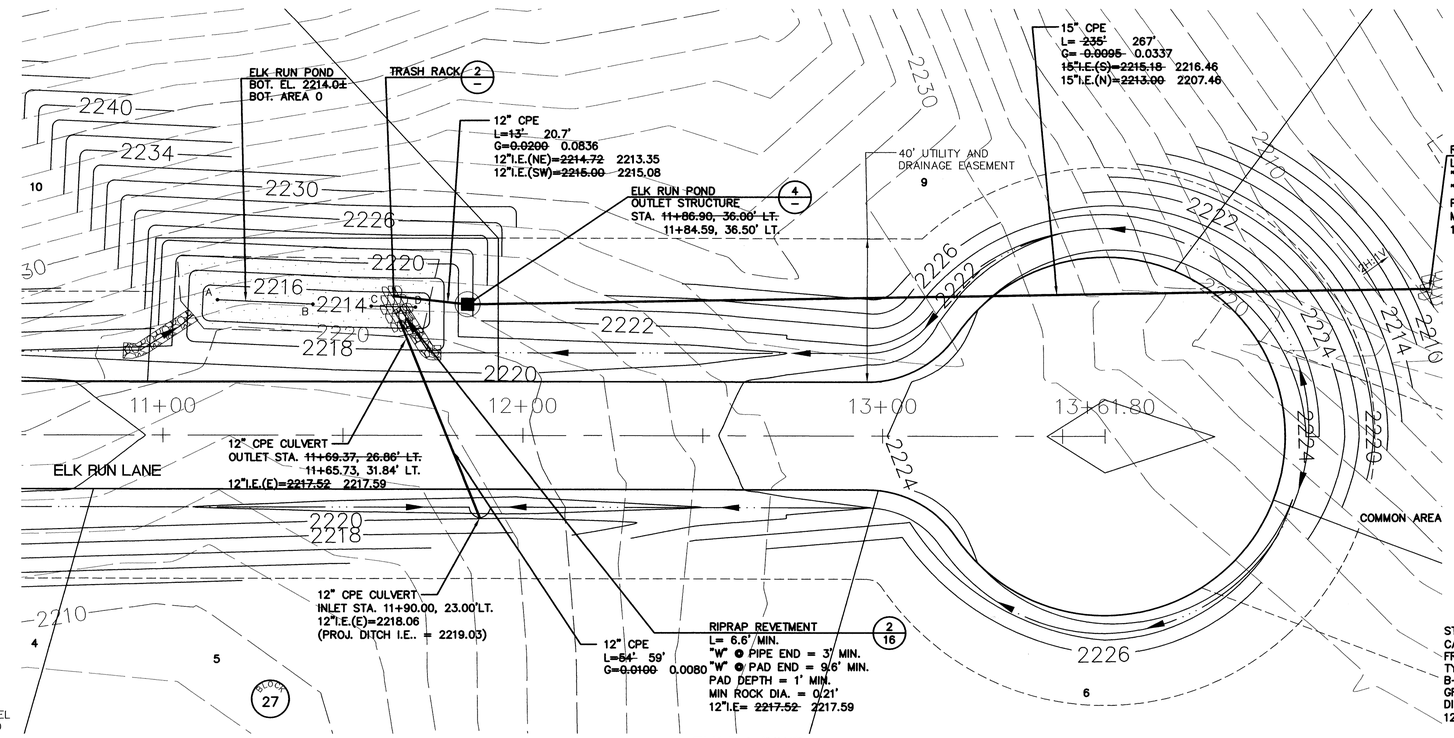
STORM SHEET 16 / 18

P1638H Eng As Builts



CONTOUR INTERVAL = 2'

ELK RUN POND BOTTOM HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	N.34°37'09"E.	22.67'
B–C	N.33°56'17"E.	16.19'
C–D	N.30°05'06"E.	5.03'

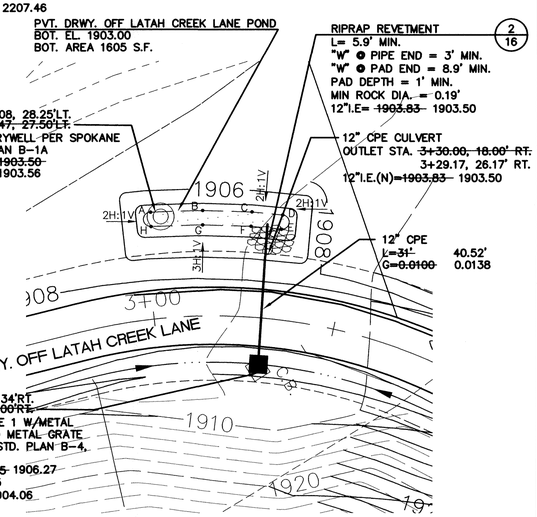


1/– ELK RUN POND

1" = 20'

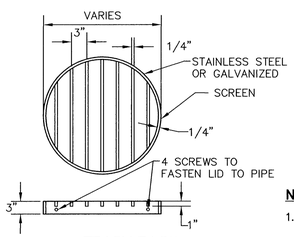
CONSTRUCTION NOTES:

1. ALL CUT SLOPES, FILL SLOPES AND DITCHES WERE HYDROSEED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S. PIPE COUPLERS PROVIDE A WATER TIGHT CONNECTION TO 10.8 PSI IN ACCORDANCE W/ASTM D3212.
3. EXPOSED CULVERT AND STROM DRAIN PIPE ENDS MITERED TO CONFORM TO FINISHED SLOPE.



5/– PVT. DRWY. OFF LATAH CREEK LANE. POND

1" = 20'



2/– TRASH RACK

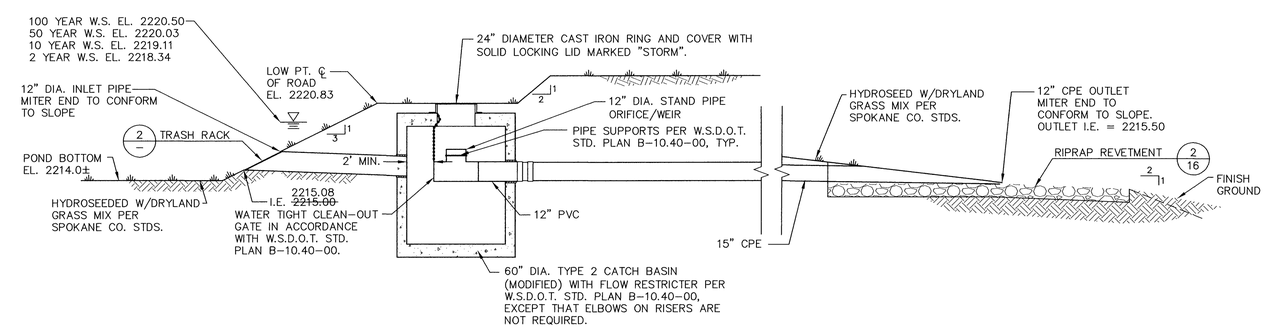
NOT TO SCALE

NOTE:

1. WHERE PIPE END IS BEVELED, TRASH RACK SHALL CONFORM TO FIGURE 39 OF THE SPOKANE CO. GUIDLINES FOR STORMWATER MANAGEMENT (GSM).

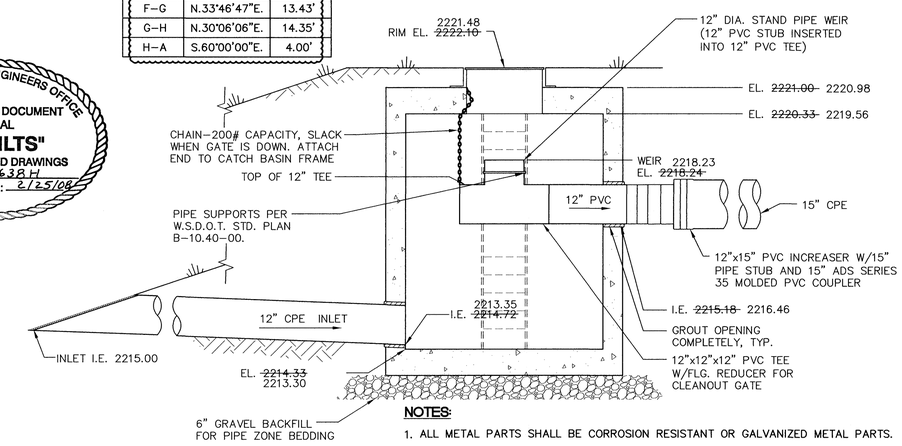
PVT. DRWT. OFF LATAH CREEK LANE POND BOTTOM HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	S.30°06'06"W.	14.48'
B–C	S.33°46'47"W.	13.69'
C–D	S.37°35'38"W.	8.57'
D–E	S.52°24'30"E.	4.00'
E–F	N.37°35'30"E.	8.44'
F–G	N.33°46'47"E.	13.43'
G–H	N.30°06'06"E.	14.35'
H–A	S.60°00'00"E.	4.00'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1638-H
DATE ACCEPTED: 2/25/08



3/– ELK RUN POND OUTLET STRUCTURE SECTION

NOT TO SCALE



NOTES:

1. ALL METAL PARTS SHALL BE CORROSION RESISTANT OR GALVANIZED METAL PARTS.
2. SEE PLAN FOR INLET PIPE & OUTLET PIPE HORIZONTAL ALIGNMENT TO AND FROM 60" PRECAST CONCRETE STRUCTURE.

4/– ELK RUN POND OUTLET STRUCTURE

NOT TO SCALE

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

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Drawn	DFT	01/22/07
Designed	MFM	01/22/07
Checked	MAA	01/22/07

MICHAEL F. MANSFIELD — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — 2/11/08
EXPIRES 2/1/09

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CADD FILE NAME: 06035ST-DET.DWG

50 25 0 50 100
SCALE FEET

SCALE
HORIZ. AS NOTED
VERT. AS NOTED

RIDGE AT HANGMAN PHASE VIII

ELK RUN POND,
PVT. DRWY. OFF LATAH CREEK LANE
POND
AND
DRAINGAGE DETAILS

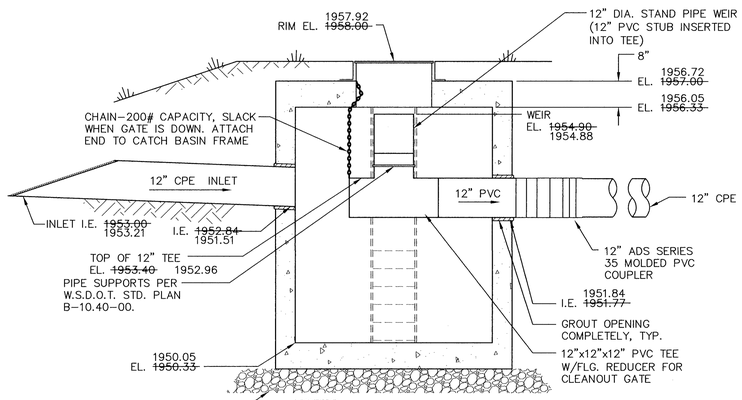
STORM SHEET 17/18

P-1638H Eng As Built

FAIRWAY RIDGE POND BOTTOM HORIZONTAL CONTROL		
SEGMENT	BEARING	DISTANCE
A–B	N.42°58'04"E.	26.46'
B–C	N.50°23'32"E.	51.13'
C–D	N.45°50'54"E.	52.58'
D–E	N.43°57'50"E.	45.29'
E–F	S.71°35'40"E.	15.64'
F–G	S.26°06'33"E.	13.49'
G–H	S.12°59'34"W.	17.16'
H–I	S.38°43'42"W.	49.64'
I–J	S.46°47'06"W.	39.63'
J–K	S.50°54'15"W.	53.16'
K–L	S.51°41'47"W.	38.84'
L–M	N.48°53'15"W.	12.90'
M–A	N.04°26'31"W.	27.57'

CONSTRUCTION NOTES:

1. ALL CUT SLOPES, FILL SLOPES AND DITCHES WERE HYDROSEED PER SPOKANE COUNTY'S DRYLAND GRASS SEED MIX REQUIREMENTS IN THE GSM.
2. CPE (CORRUGATED POLYETHENE SMOOTH INNER-WALL PIPE) CULVERTS MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S. PIPE COUPLERS PROVIDE A WATER TIGHT CONNECTION TO 10.8 PSI IN ACCORDANCE W/ASTM D3212.
3. EXPOSED CULVERT AND STROM DRAIN PIPE ENDS MITERED TO CONFORM TO FINISHED SLOPE.

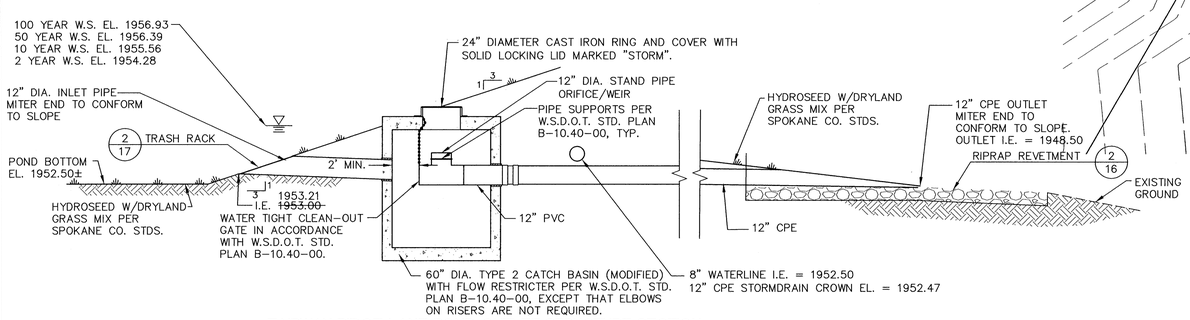


NOTES:

1. METAL PARTS CORROSION RESISTANT OR GALVANIZED METAL PARTS.
2. SEE PLAN FOR INLET PIPE & OUTLET PIPE HORIZONTAL ALIGNMENT TO AND FROM 60" PRECAST CONCRETE STRUCTURE.

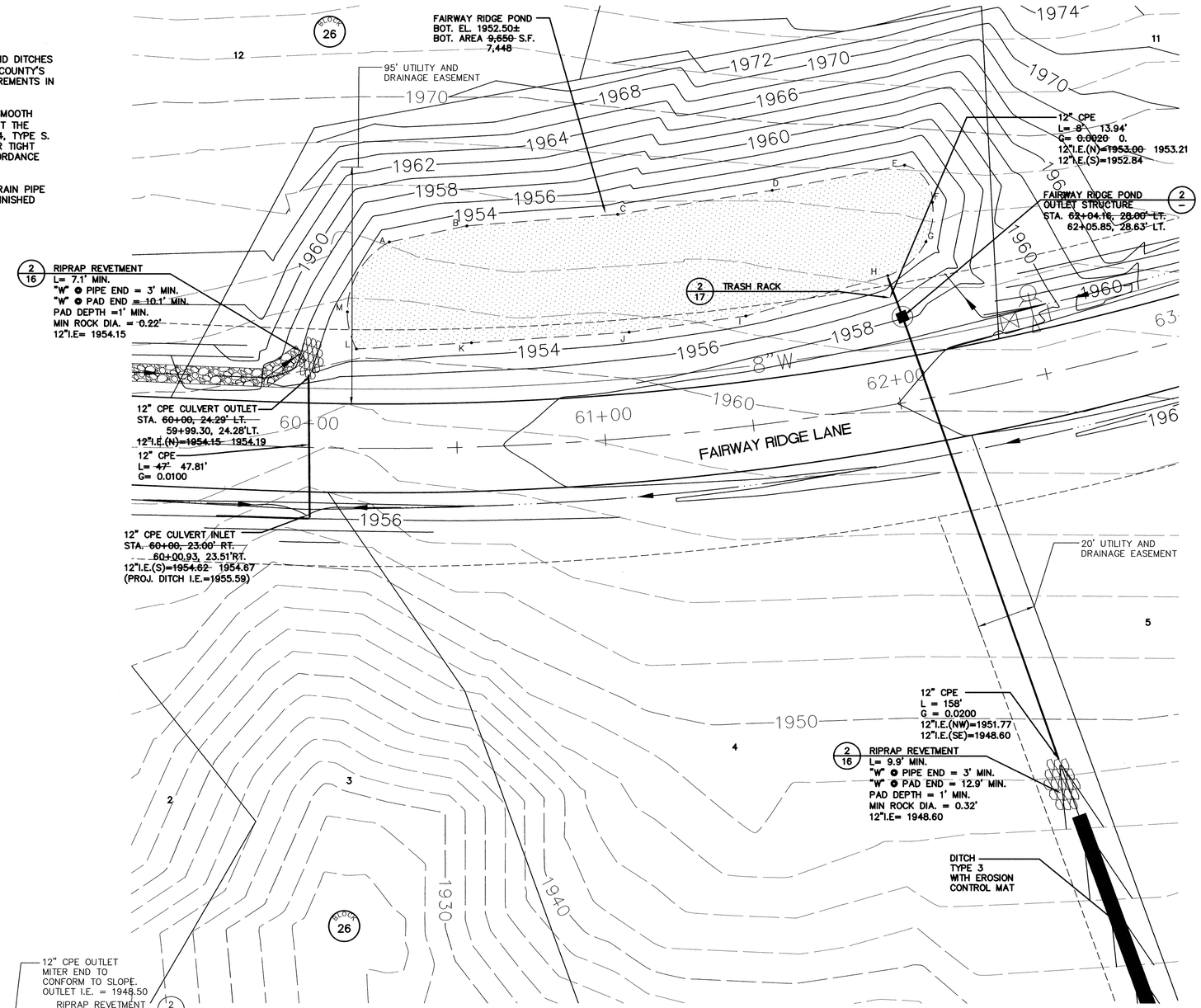
2/– FAIRWAY RIDGE LANE POND OUTLET STRUCTURE

NOT TO SCALE



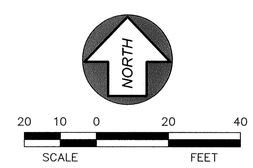
3/– FAIRWAY RIDGE LANE POND OUTLET STRUCTURE SECTION

NOT TO SCALE



1/– FAIRWAY RIDGE LANE POND

1" = 20'



CONTOUR INTERVAL = 2'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
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PROJECT #: P1638 H
DATE ACCEPTED: 2/25/08

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Designed	MFM	01/22/07
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MICHAEL F. MOSER — STATE OF WASHINGTON — 29107 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 2/1/09

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50 25 0 50 100
SCALE FEET

SCALE
HORIZ. AS NOTED
VERT. AS NOTED

RIDGE AT HANGMAN PHASE VIII

FAIRWAY RIDGE POND AND DRAINGAGE DETAILS

STORM
SHEET 18/18

P-1638H Eng As-Builts