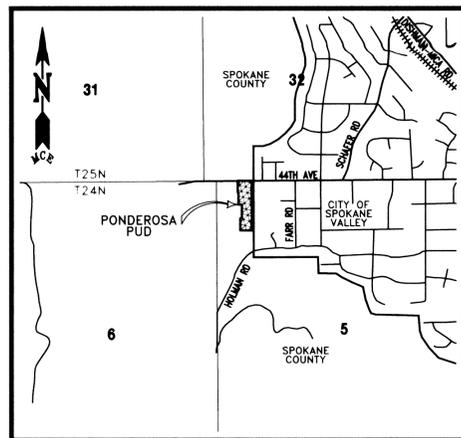


PONDEROSA PUD

STREET PLANS

NW 1/4 of SECTION 05, T.24 N., R.44 E., W.M.
SPOKANE COUNTY, WASHINGTON

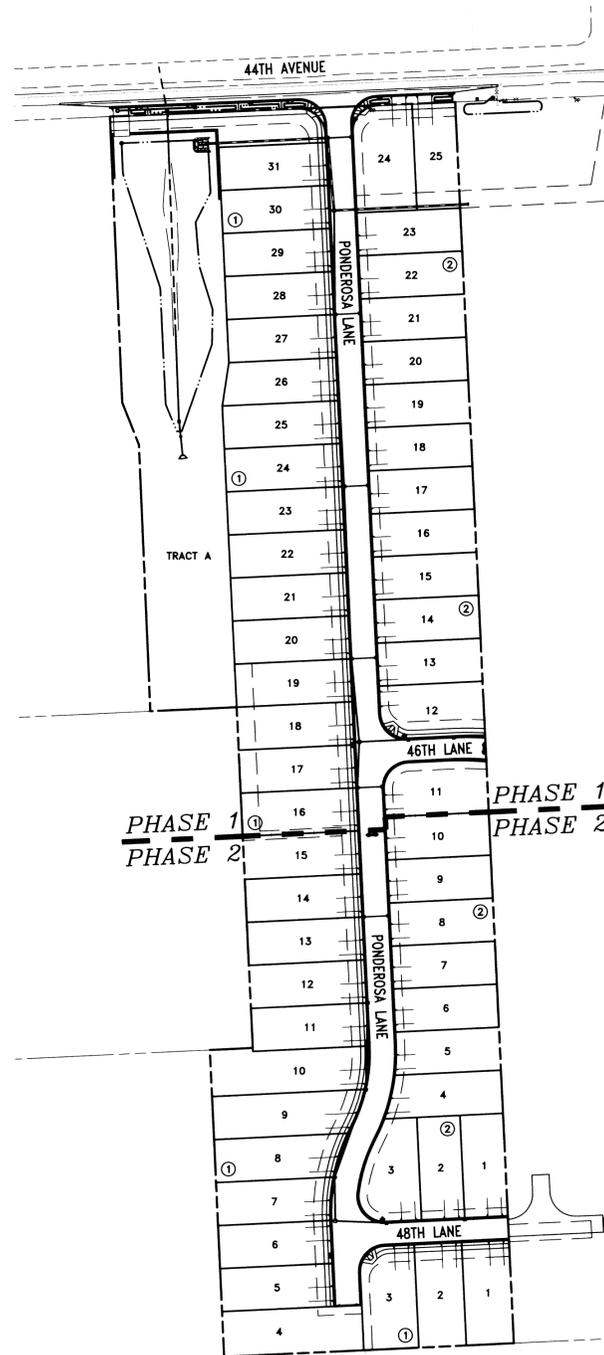


VICINITY MAP

GENERAL NOTES - STREET/DRAINAGE

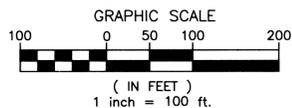
- GENERAL:**
- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.
 - LOCATIONS OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
 - THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE ACCEPTED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
 - 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.
 - FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE DRYWELL BARREL AND THE WASHED DRAIN ROCK, AND BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOILS.
 - PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT (800)424-5555 BEFORE YOU DIG.
 - GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN THE RIMS AND GRATES 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.
- SUPPLEMENTAL:**
- FOR ANY CURB GRADES LESS THAN 0.8% (0.0080 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
- EROSION/SEDIMENTATION CONTROL (SEE SHEET 2):**
- AN EROSION/SEDIMENTATION 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, WHICH EVER IS LATER.
 - THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM EITHER FLOWING OFF THE SITE OR INTO NEW AND/OR EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, INLETS, CATCH BASINS OR GRAVEL GALLERIES.
 - THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

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



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 1940
DATE ACCEPTED: 11/27/09
ACCEPTANCE EXPIRES: 11/27/11
PROJECT LANE MILES PUBLIC: -
PROJECT LANE MILES PRIVATE: 0.51
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3000
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

NOTE - BEFORE ANY PHASE 2 LOTS CAN BE PLATTED, A SECOND ACCESS CONNECTING EITHER 46TH LANE OR 48TH LANE TO FARR ROAD MUST BE CONSTRUCTED. DESIGN PLANS FOR THE SECOND ACCESS MUST BE APPROVED BY SPOKANE COUNTY, THE CITY OF SPOKANE VALLEY AND FIRE DISTRICT 8.



DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

PROJECT CONTACTS

CLIENT LANZCE G. DOUGLASS CONSTRUCTION
CONTACT LANZCE DOUGLASS
(509) 487-1591
FAX: 483-4966

GOVERNING AGENCY SPOKANE COUNTY ENGINEERING AND ROADS
(509) 477-3600
FAX: 477-7478

PROJECT MOUNTAIN CREST ENTERPRISES, INC.
ENGINEER DANIEL N. WOLF, P.E.
(509) 466-5794
FAX: 466-1514

WATER PURVEYOR SPOKANE COUNTY WATER DISTRICT No. 3
TY WICK
(509) 536-0121

LEGEND

EXISTING	SURFACE FEATURES	PROPOSED
---	PLAT BOUNDARY	---
---	CENTER LINE	---
---	RIGHT-OF-WAY LINE	---
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	CURB LINE	---
---	SIDEWALK	---
---	EDGE OF PAVEMENT	---
---	EDGE OF GRAVEL	---
---	DITCH LINE	---
---	FENCE LINE	---
---	BUILDINGS/STRUCTURES	---
---	CONTOUR (MAJOR)	---
---	CONTOUR (MINOR)	---
---	SANITARY SEWER	---
---	SEWER MAIN (w/ Flow)	---
---	MANHOLE	---
---	CLEAN-OUT	---
---	SIDE SERVICE	---
---	WATER	---
---	WATER MAIN	---
---	VALVE	---
---	HYDRANT	---
---	BLOW-OFF ASSEMBLY	---
---	AIR/VACUUM RELIEF SERVICE	---
---	STORM DRAINAGE	---
---	STORM MAIN	---
---	CATCH BASIN	---
---	MANHOLE	---
---	DRYWELL	---
---	UTILITIES	---
---	GAS MAIN	---
---	POWER LINE	---
---	TELEPHONE	---
---	POWER VAULT	---
---	POWER/LIGHT POLE	---

SHEET INDEX

SHEET TITLE	SHEET No.
COVER	1
EROSION CONTROL	2
PONDEROSA LANE STA 10+00.00 TO 18+00.00	3
PONDEROSA LANE STA 18+00.00 TO 24+60.00	4
48TH LANE STA 6+75.13 TO 8+65.00	5
46TH LANE STA 7+28.26 TO 8+64.34	6
44TH AVENUE STA 15+76.10 TO 19+76.10	7
DRAINAGE DETAILS	8
DRAINAGE DETAILS	9
DRAINAGE DETAILS	10
DRAINAGE DETAILS	11
DRAINAGE DETAILS	12
ROADWAY SECTIONS	13

Daniel N. Wolf
DEVELOPER'S APPROVAL

649
DATE



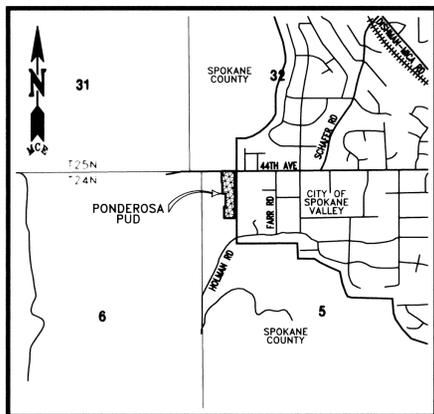
Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794, Fax: 466-1514

PONDEROSA PUD
COVER SHEET
SPOKANE COUNTY, WA

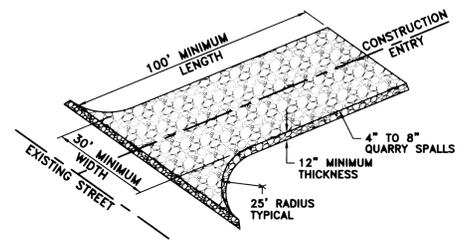
STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **1** of **13**

P. 1940 Eng. Road Drainage

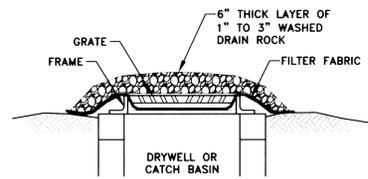
SEC. 05, T.24 N., R.44 E., W.M.



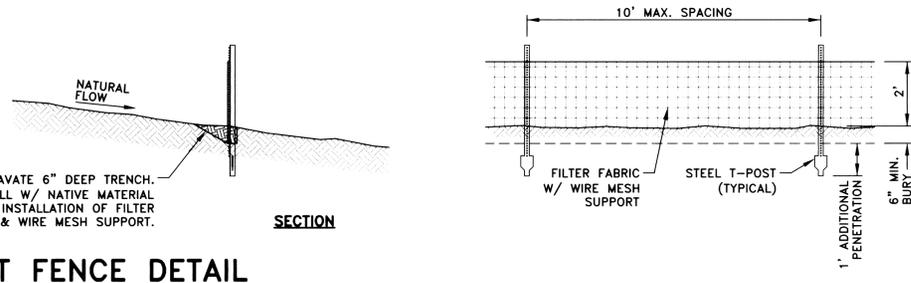
VICINITY MAP



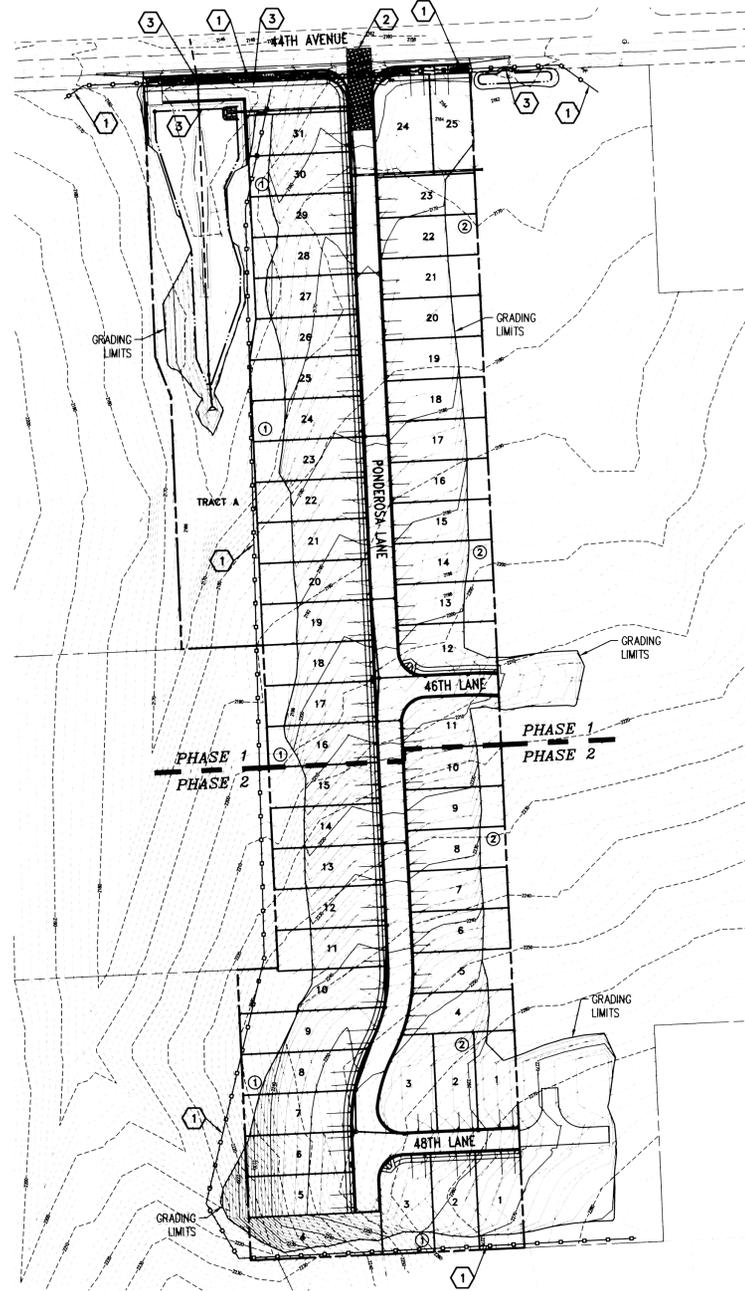
CONSTRUCTION ENTRY DETAIL



INLET PROTECTION DETAIL



SILT FENCE DETAIL



CONSTRUCTION NOTES

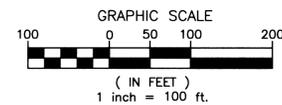
- 1 SILT FENCE PER DETAIL.
- 2 INSTALL CONSTRUCTION ENTRANCES AT ALL PROJECT ACCESS POINTS.
- 3 INSTALL INLET PROTECTION FOR EXISTING AND NEWLY INSTALLED INLETS AND DRYWELLS.

GENERAL NOTES

1. THE EROSION CONTROL MEASURES OUTLINED IN THIS PLAN MEET THE ESC PLAN REQUIREMENTS LISTED IN CHAPTER 9 OF THE SPOKANE REGIONAL STORMWATER MANUAL.
2. 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 CITY OF SPOKANE, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE AND ACCEPTED BY CITY OF SPOKANE, WHICHEVER IS LATER.
3. THE ESC MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE AS NECESSARY TO PREVENT SEDIMENT-LOADED WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, INLETS, STORM PIPES OR CULVERTS.
4. PROPERTY DEVELOPER: NEVADA TOWERS LLC, DON MATTSO, 466-5794.
5. PROJECT LOCATION: EAST OF NEVADA STREET, NORTH OF LYONS AVENUE, IN THE CITY OF SPOKANE, WA.
6. PROJECT DESCRIPTION: COMMERCIAL DEVELOPMENT OF 6 UNIT RETAIL BUILDING.
7. DESCRIPTION OF ESC MEASURES: INLET PROTECTION, SILT FENCING AND ROCK CONSTRUCTION ENTRANCES. ALL ESC MEASURES ARE TEMPORARY AND WILL BE REMOVED AFTER CURBING AND PAVING.
8. EXISTING VEGETATION: WEEDS.
9. PLAN PREPARATION DATE: MARCH 2008.
10. SOILS: MARBLE VARIANT SANDY LOAM. GEOTECHNICAL INVESTIGATION PERFORMED BY ALLWEST, DECEMBER 2007.

EROSION CONTROL PLAN STANDARD NOTES

1. The following construction sequence shall be followed in order to best minimize the potential for erosion and sedimentation control problems.
 - (a) Clear and grub sufficiently for installation of temporary ESC BMP's;
 - (b) Install temporary ESC BMP's, constructing sediment trapping BMP's as one of the first steps prior to grading;
 - (c) Clear, grub and rough grade for roads, temporary access points with the appropriate construction entry BMP;
 - (d) Stabilize roadway approaches and temporary access points with the appropriate construction entry BMP;
 - (e) Clear, grub and grade individual lots or groups of lots;
 - (f) Temporarily stabilize, through re-vegetation or other appropriate BMP's, lots or groups of lots in situations where substantial cut of fill slopes are a result of the site grading.
 - (g) Construct roads, buildings, permanent, stormwater facilities (i.e. inlets, ponds, UIC facilities, etc.)
 - (h) Protect all permanent stormwater facilities utilizing the appropriate BMP's;
 - (i) Install permanent ESC controls, when applicable; and,
 - (j) Remove temporary ESC controls when:
2. Permanent ESC controls, when applicable, have been completely installed;
3. All land-disturbing activities that have the potential to cause erosion or sedimentation problems have ceased; and,
4. Vegetation had been established in the areas noted as requiring vegetation on the accepted ESC plan on file with the local jurisdiction.
5. Inspect all roadways, at the end of each day, adjacent to the construction access route. If it is evident that sediment has been tracked off site and/or beyond the roadway approach, cleaning is required.
6. If sediment removal is necessary prior to street washing, it shall be removed by shoveling or pickup sweeping and transported to a controlled sediment disposal area.
7. If street washing is required to clean sediment tracked off site, once sediment has been removed, street wash wastewater shall be controlled by pumping back on-site or otherwise prevented from discharging into systems tributary to waters of the state.
8. Remove construction access route equal to or better than the pre-construction condition.
9. Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practical.
10. Inspect sediment control BMP's weekly at a minimum, daily during a storm event, and after any discharge from the site (stormwater or non-stormwater). The inspection frequency may be reduced to once a month if the site is stabilized and inactive.
11. Control fugitive dust from construction activity in accordance with the state and/or local air quality control authorities with jurisdiction over the project area.
12. Stabilize exposed unworked soils (including stockpiles), whether at final grade or not, within 10 days during the regional dry season (October 1 through September 30). Soils must be stabilized at the end of a shift before a holiday weekend if needed based on the weather forecast. This time limit may only be adjusted by a local jurisdiction with a "Qualified Local Program," if it can be demonstrated that the recent precipitation justifies a different standard and meets the requirements set forth in the Construction Stormwater General Permit.
13. Protect inlets, drywells, catch basins and other stormwater management facilities from sediment, whether or not facilities are operable.
14. Keep roads adjacent to inlets clean.
15. Inspect inlets weekly at a minimum and daily during storm events.
16. Construct stormwater control facilities (detention/retention storage pond or swales) before grading begins. These facilities shall be operational before the construction of impervious site improvements.
17. Stockpile materials (such as topsoil) on site, keeping off of roadway and sidewalks.
18. Cover, contain and protect all chemicals, liquid products, petroleum product, and non-insert wastes present on site from vandalism (see Chapter 173-504 W A C for the definition of inert waste), use secondary containment for on-site fueling tanks.
19. Conduct maintenance and repair of heavy equipment and vehicles involving all changes, hydraulic system repairs, solvent and de-greasing operations, fuel tank drain down and removal, and other activities that may result in discharge or spillage or pollutants to the ground or into stormwater runoff using spill prevention measures, such as drip pans. Clean all contaminated surfaces immediately following or spill incident. If raining over equipment or vehicle, perform emergency repairs on site using temporary plastic beneath the vehicle.
20. Conduct application of agricultural chemicals, including fertilizers and pesticides, in such a manner, and at application rates, that inhibits the loss of chemicals into stormwater runoff facilities. Amend manufacturer's recommended application rates and procedures to meet this requirement, if necessary.
21. Inspect on a regular basis (at a minimum weekly, and daily during/after a runoff producing storm event) and maintain all erosion and sediment control BMP's to ensure successful performance of the BMP's. Note that inlet protection devices shall be cleaned or removed and replace before six inches of sediment can accumulate.
22. Remove temporary ESC BMP's within 30 days after the temporary BMP's are no longer needed. Permanently stabilize areas that are disturbed during the removal process.
23. On-site grading shall be in accordance with the approved grading plan and E.S.C. plan. Any import or export of material shall be from a preapproved source/destination and coordinated with the Spokane County Department of Building and Planning at 509-477-3675. Grading on this site or any other site must comply with all development regulations including, but not limited to, grading permits, S.E.P.A. review, timber harvest permits, critical areas, floodplains, designated drainageways, etc.



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 1940
DATE ACCEPTED: 11/27/08
ACCEPTANCE EXPIRES: 11/27/11
PROJECT LANE MILES PUBLIC: 0.51
PROJECT LANE MILES PRIVATE: 0.51
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3333
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION!

By	DW	DW	DW
Activity	ORIGINAL PREPARATION	COUNTY REVIEW COMMENTS	FINAL APPROVAL
Date	12/22/08	02/09/09	05/21/09



Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

PONDEROSA PUD
EROSION AND SEDIMENT
CONTROL PLAN
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **2 of 13**

James D. Dutton
DEVELOPER'S APPROVAL

649
DATE

P.1940 EngRoad Drainage

O:\Projects\06-256\dwg\STREET.dwg, 5/2/2009 9:52:25 AM, DW

DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

Date	Activity
12/22/08	ORIGINAL PREPARATION
02/09/09	COUNTY REVIEW COMMENTS
05/21/09	FINAL APPROVAL



CONSTRUCTION NOTES

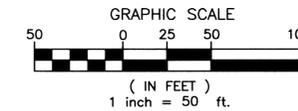
GENERAL:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE.
3. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
4. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM EITHER FLOWING OFF THE SITE OR INTO NEW AND/OR EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, INLETS OR CATCH BASINS.

CONSTRUCTION:

1. INSTALL STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
2. WHEEL CHAIR ACCESS CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 (DESIGN "B").
3. FOR DRAINAGE DETAILS SEE SHEET 8.
4. 24 LF OF W-BEAM GUARDRAIL WITH 3-EA END OF ROAD MARKERS (W16-102, RED BACKGROUND WITH 9 RED REFLECTORS).
5. WSDOT TYPE III BARRICADE WITH 3-EA END OF ROAD MARKERS (W16-102, RED BACKGROUND WITH 9 RED REFLECTORS). INSTALL WITH PHASE 1 CONSTRUCTION, REMOVE FOR PHASE 2 CONSTRUCTION.

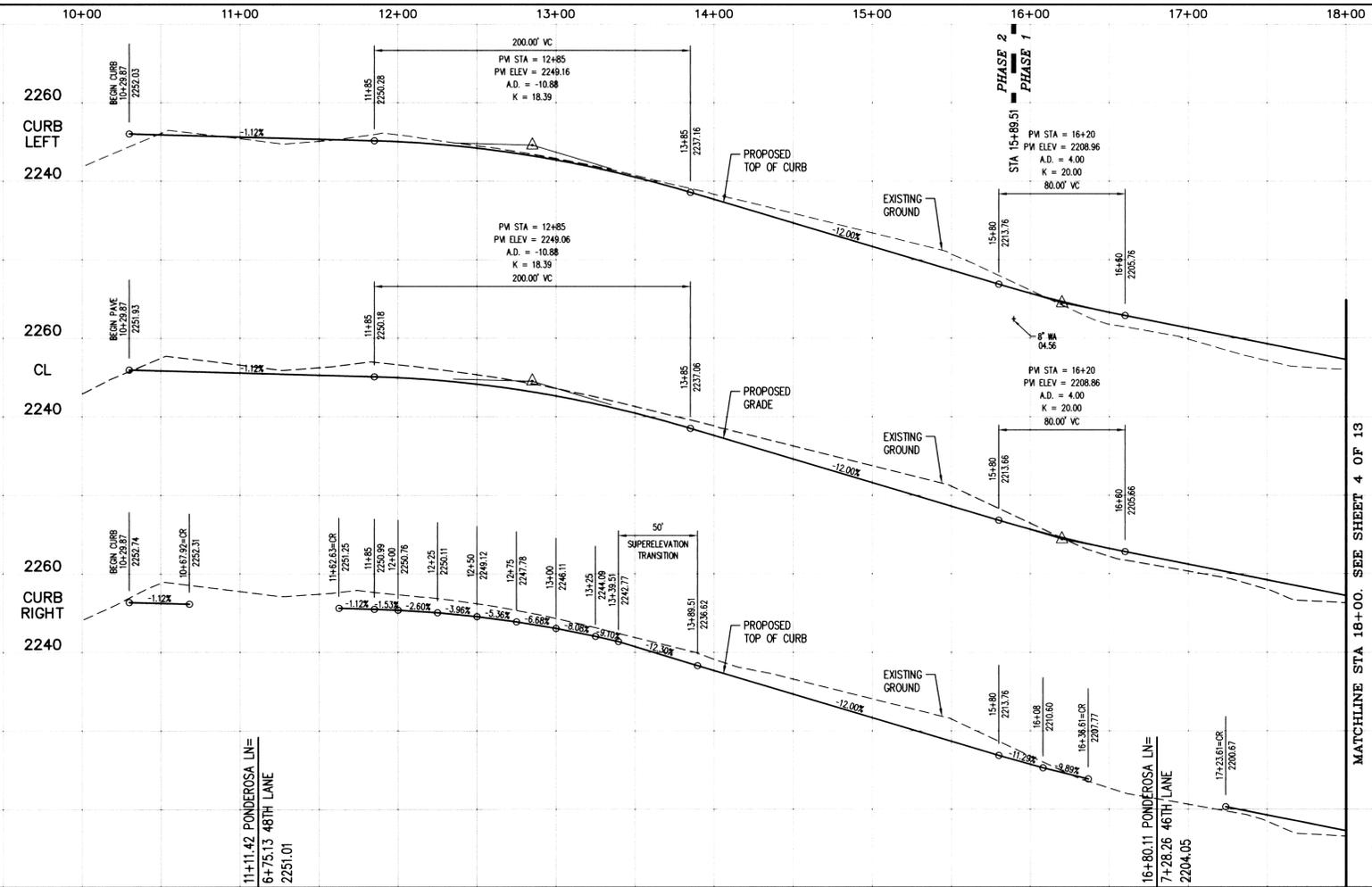
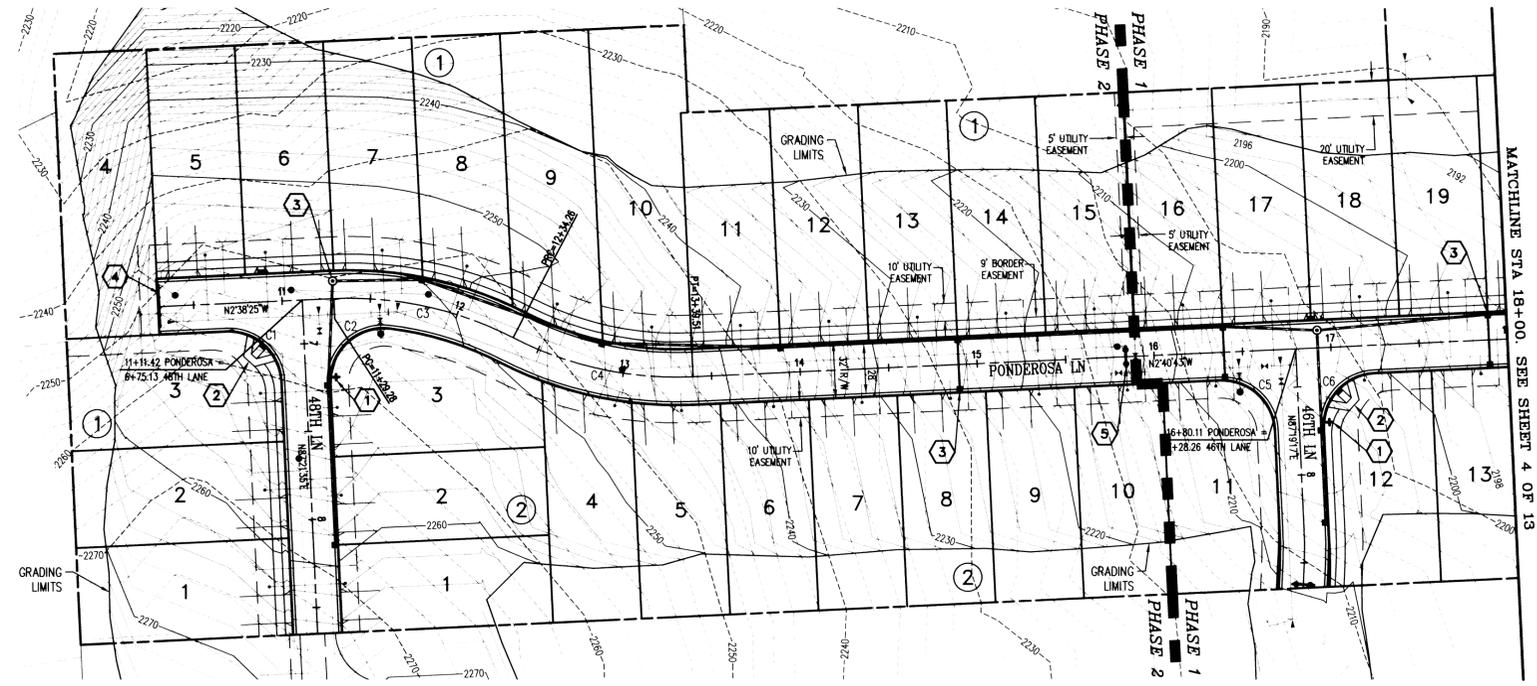
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
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C2	52.13	30.00	35.48	45.81	99°33'38"
C3	105.24	201.00	53.86	104.05	30°0'0"
C4	105.24	201.00	53.86	104.05	30°0'0"
C5	47.12	30.00	30.00	42.43	90°0'0"
C6	47.12	30.00	30.00	42.43	90°0'0"



Ronnie Douglas
DEVELOPER'S APPROVAL

6-4-9
DATE

DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP-32395-201
NAVD 88 ELEV. 1748.432



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1940
DATE ACCEPTED: 11/24/09
ACCEPTANCE EXPIRES: 11/24/11
PROJECT LANE MILES PUBLIC: _____
PROJECT LANE MILES PRIVATE: 0.131
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-2300
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

PONDEROSA PUD
PONDEROSA LANE
STA 10+00.00 TO 18+00.00
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **3** of **13**

P-1940 Eng Road Drainage



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

Date Activity
12/22/08 DNW
02/09/09 DNW
05/21/09 DNW



CONSTRUCTION NOTES

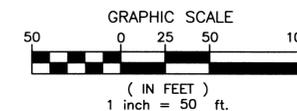
GENERAL:

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CONSTRUCTION:

1. INSTALL STOP SIGN AND STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
2. WHEEL CHAIR ACCESS CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 (DESIGN "B").
3. FOR DRAINAGE DETAILS SEE SHEET 9.
4. FOR POND DETAILS SEE SHEET 10.
5. STA 23+60 TO 24+09.79, RIGHT SIDE SUPERELEVATION TRANSITION FROM -2% TO +1%. MAINTAIN STANDARD GUTTER FROM STA 23+60 TO STA 23+96, CONSTRUCT SPILL GUTTER FROM STA 24+01 TO END OF CURB RETURN ON 44TH AVENUE.

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C8	46.99	30.00	29.86	42.33
C9	47.26	30.00	30.14	42.52

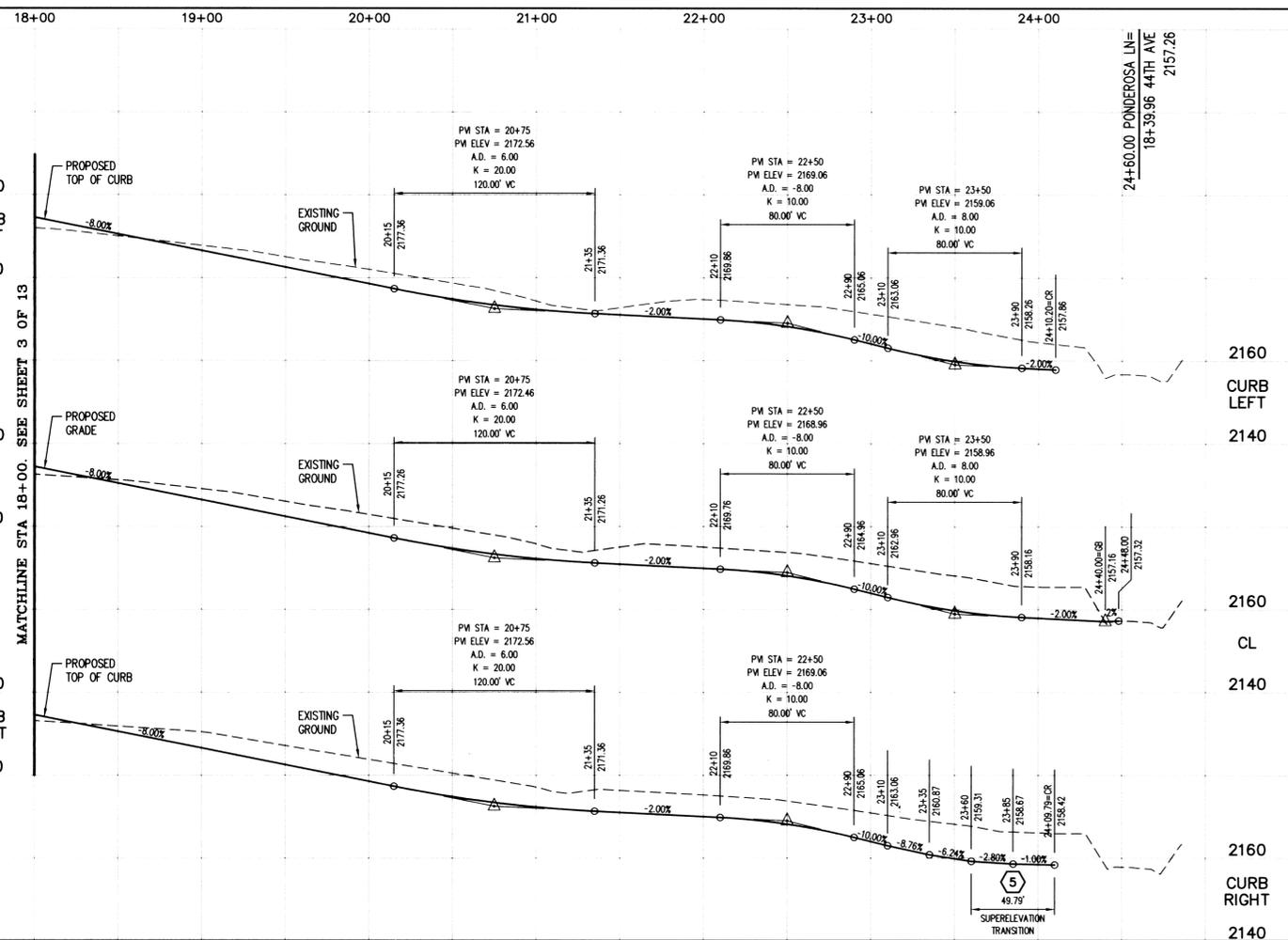


James Davidson
DEVELOPER'S APPROVAL

649
DATE

VERTICAL SCALE: 1"=20'

DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1940
DATE ACCEPTED: 11/24/09
ACCEPTANCE EXPIRES: 11/24/11
PROJECT LANE MILES PUBLIC: 0.31
PROJECT LANE MILES PRIVATE: 0.31
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3000
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

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4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

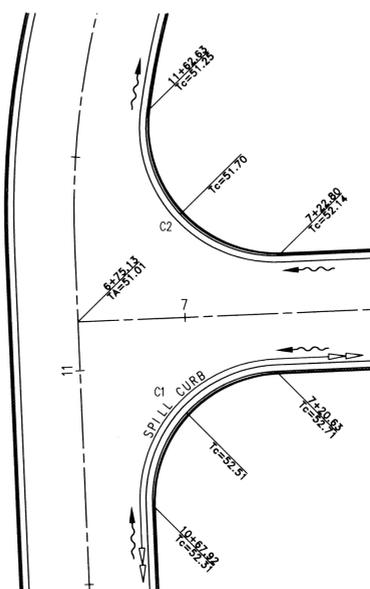
PONDEROSA PUD
PONDEROSA LANE
STA 18+00.00 TO 24+60.00
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **4** of **13**

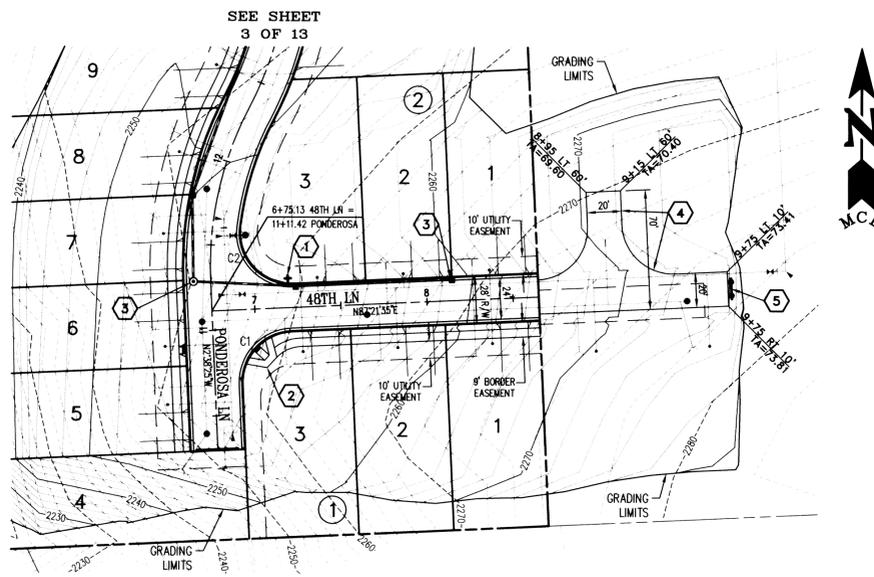
P.1940 Eng. Road Drainage

UNDERGROUND SERVICE ALERT
 ONE-CALL NUMBER
456-8000
 CALL TWO BUSINESS DAYS
 BEFORE YOU DIG

By	DW
Activity	DW
Date	DW
12/22/08	ORIGINAL PREPARATION
02/09/09	COUNTY REVIEW COMMENTS
05/21/09	FINAL APPROVAL



INTERSECTION DETAIL



CONSTRUCTION NOTES

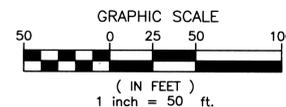
GENERAL:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE.
3. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
4. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM EITHER FLOWING OFF THE SITE OR INTO NEW AND/OR EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, INLETS OR CATCH BASINS.

CONSTRUCTION:

1. INSTALL STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
2. WHEEL CHAIR ACCESS CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 (DESIGN "B").
3. FOR DRAINAGE DETAILS SEE SHEET 8.
4. TEMPORARY TURN-AROUND. 3" OF CLASS B ASPHALT OVER 7" OF CRUSHED SURFACING BASE COURSE OVER PREPARED SUBGRADE.
5. WSDOT TYPE III BARRICADE WITH 3-EA END OF ROAD MARKERS (W16-102, RED BACKGROUND WITH 9 RED REFLECTORS).

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	47.12	30.00	30.00	42.43 90°0'0"
C2	52.13	30.00	35.48	45.81 99°33'38"



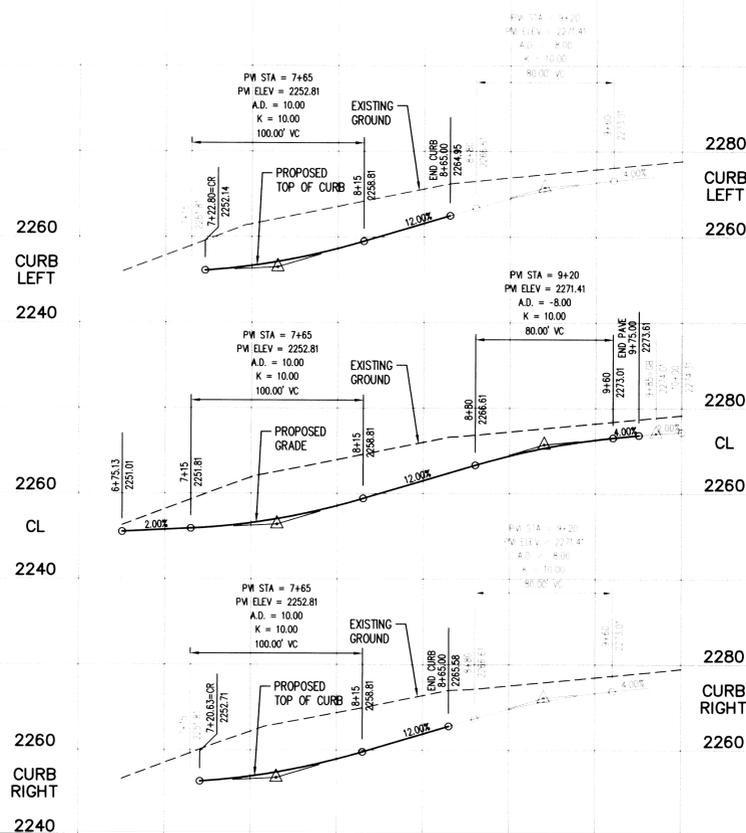
Jerry Davidson
 DEVELOPER'S APPROVAL

6/19
 DATE

DATUM
 WSDOT DATUM NO. 3394
 LOCATED AT SR395 MP 167.35
 DESIGNATION GP32395-201
 NAVD 88 ELEV. 1748.432

7+00 8+00 9+00 10+00

VERTICAL SCALE: 1"=20'



SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: 0-1940
 DATE ACCEPTED: 11/24/09
 ACCEPTANCE EXPIRES: 11/24/11
 PROJECT LANE MILES PUBLIC: 0.51
 PROJECT LANE MILES PRIVATE: 0.51
 CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE. (FEE/TITLE REQUIRED) (509) 477-3600
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

Mountain Crest Enterprises Inc.
 4024 East First Street
 P.O. Box 1800, Mead, WA 99021
 (509) 466-5794 Fax: 466-1514



PONDROSA PUD
 48TH LANE
 STA 6+75.13 TO 8+65.00
 SPOKANE COUNTY, WA

STREET PLANS
 County Plat No.: PE-1940
 MCE Project No.: 06-256
 Sheet: **5 of 13**

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

By
DNW
DNW
DNW
Date
Activity
12/27/08 ORIGINAL PREPARATION
03/09/09 COUNTY REVIEW COMMENTS
05/21/09 FINAL APPROVAL

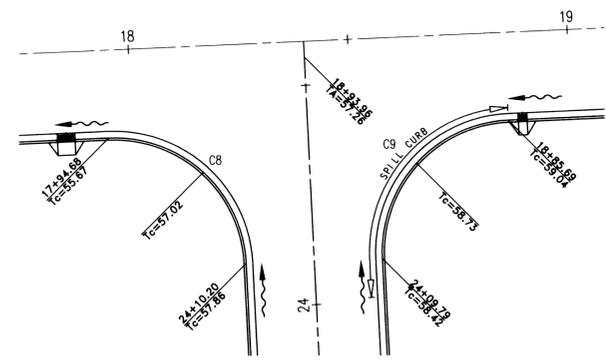


Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514



PONDEROSA PUD
44TH AVENUE
STA 15+76.10 TO 19+76.10
SPOKANE COUNTY, WA

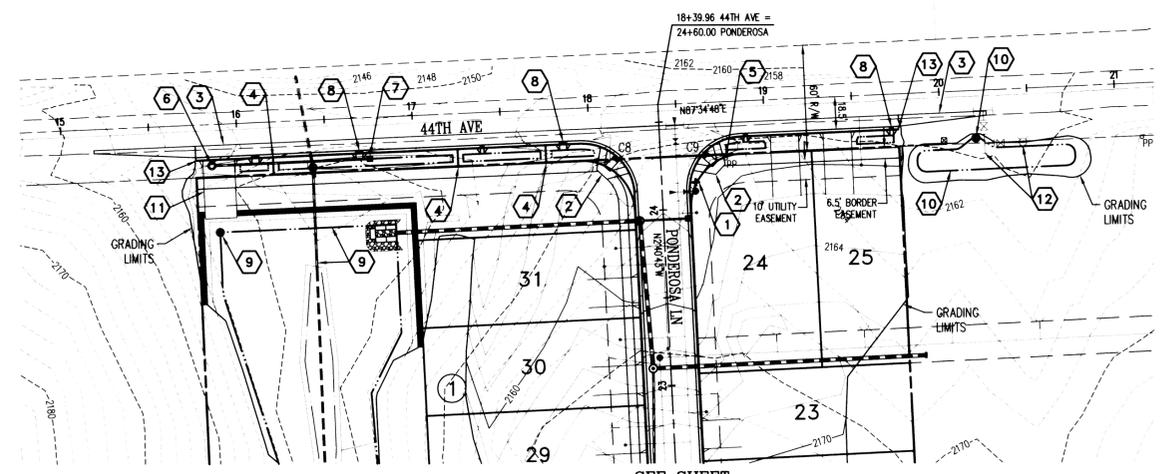
STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **7** of **13**



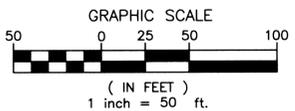
INTERSECTION DETAIL

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C8	46.99	30.00	29.86	89°44'29"
C9	47.26	30.00	30.14	89°15'31"

DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432



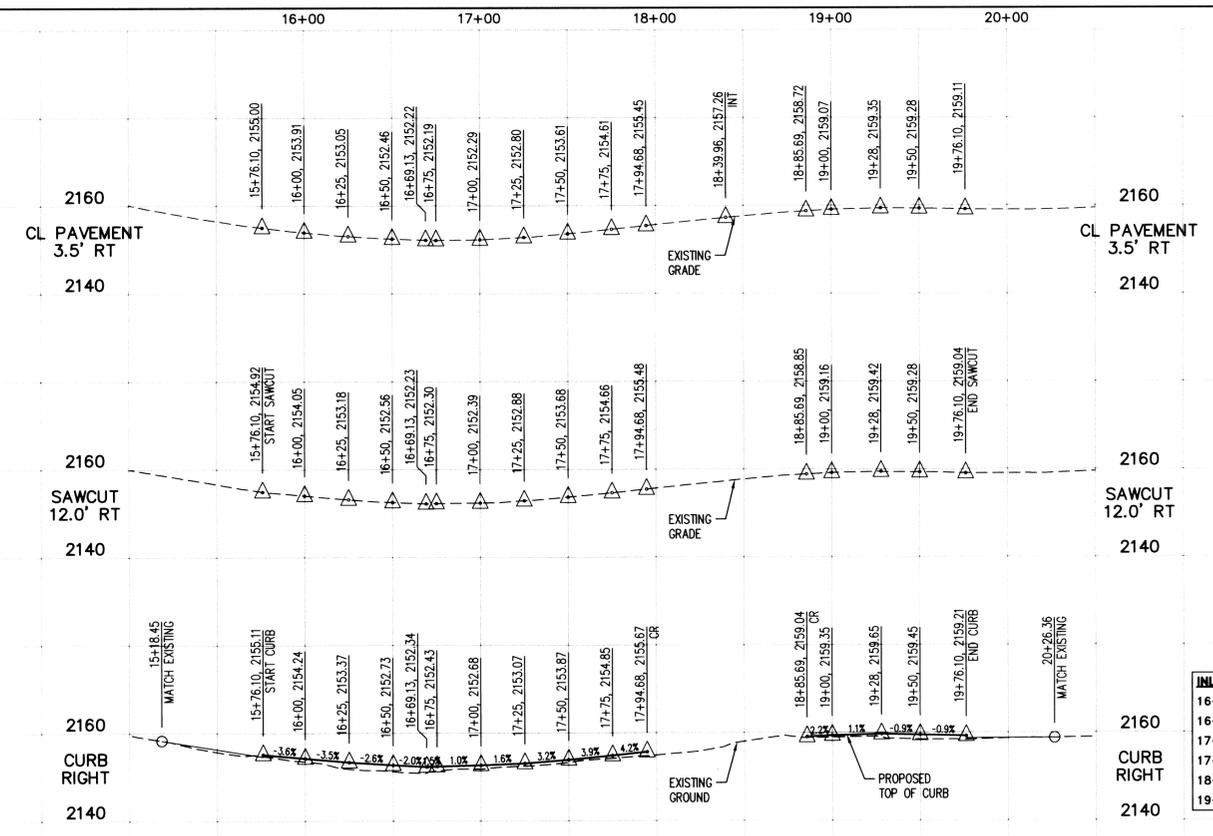
SEE SHEET
4 OF 13



CONSTRUCTION NOTES

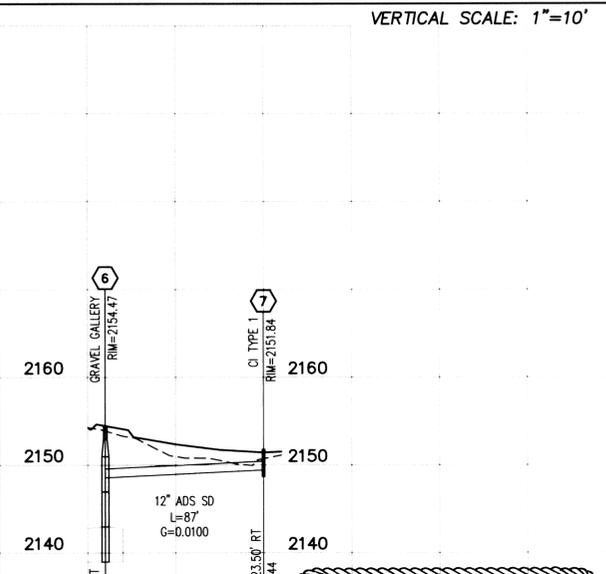
- GENERAL:**
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- CONSTRUCTION:**
- INSTALL STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
 - WHEEL CHAIR ACCESS CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 (DESIGN "B").
 - SAWCUT EXISTING PAVEMENT 12' RIGHT OF R/W CENTERLINE.
 - CONSTRUCT BERM IN SWALE TO 0.1' BELOW TOP OF CURB WITH 3:1 SLOPES.
 - COORDINATE RELOCATION OF POWER POLE WITH UTILITY COMPANY.
 - 44TH AVENUE STA 15+85.10, RT. 23.50', GRAVEL GALLERY WITH 10'x10' FOOTPRINT AND SEEPAGE MANHOLE INLET STRUCTURE PER DETAIL 3 ON SHEET 11.
 - 44TH AVENUE STA 16+75.00, RT. 23.50', TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-14.
 - CURB INLET TYPE 1 PER SPOKANE COUNTY STANDARD PLAN B-8. DROP ELEV = TOP OF CURB - 0.67' (TYPE "B" CURB). SEE PROFILE FOR CURB INLET LOCATIONS AND LENGTHS. (TYPICAL)
 - FOR POND AND DRAINAGE DETAILS SEE SHEET 10.
 - FOR POND AND DRAINAGE DETAILS SEE SHEET 12.
 - FOR DRIVEWAY DETAILS SEE SHEET 10.
 - EXISTING FIRE HYDRANT AND FITTINGS TO BE REMOVED. SEE WATER PLANS.
 - NOSE DOWN CURB END. SLOPE TOP OF CURB TO MATCH GUTTER ELEVATION.

Anna Morgan
DEVELOPER'S APPROVAL DATE 6/19



INLET STA. & LENGTH	
16+10.00	4 FT
16+69.13	4 FT
17+39.00	2 FT
17+85.00	4 FT
18+89.00	2 FT
19+72.10	2 FT

BERM STA	
16+20.0	
17+25.0	
17+75.0	



DRAINAGE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 1940
DATE ACCEPTED: 12/27/08
ACCEPTANCE EXPIRES: 12/31/11
PROJECT LANE MILES PUBLIC: 0.51
PROJECT LANE MILES PRIVATE: 0.51
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



CONSTRUCTION NOTES

GENERAL:

1. ALL INLET STRUCTURES SHALL BE INSTALLED WITH 1" DEEP GUTTER DEPRESSION PER SPOKANE COUNTY STANDARD PLAN B-18. RIM ELEVATIONS NOTED INCLUDE 1" DEPRESSION.
2. ALL MANHOLE STRUCTURES SHALL PROVIDE 18" DEEP SUMP BELOW PIPE INVERT.

CONSTRUCTION:

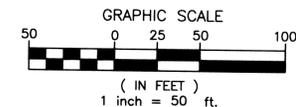
- 1 48TH LANE STA 8+14.99, LT. 13.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 2 48TH LANE STA 7+24.30, LT. 13.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 3 48TH LANE STA 6+65.13, LT. 17.67', PONDEROSA LANE STA 11+29.09, LT. 10.0', TYPE III-48 MANHOLE WITH MANHOLE RING AND SOLID COVER, PER SPOKANE COUNTY STANDARD PLANS U-5 (W/O CHANNEL), AND U-14.
- 4 PONDEROSA LANE STA 11+76.70, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 5 PONDEROSA LANE STA 12+84.48, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 6 PONDEROSA LANE STA 13+89.51, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 7 PONDEROSA LANE STA 14+89.51, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 8 PONDEROSA LANE STA 16+39.51, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 9 PONDEROSA LANE STA 16+92.61, LT. 10.0', 46TH LANE STA 7+18.26, LT. 12.5', TYPE III-48 MANHOLE WITH MANHOLE RING AND SOLID COVER, PER SPOKANE COUNTY STANDARD PLANS U-5 (W/O CHANNEL), AND U-14.
- 10 PONDEROSA LANE STA 17+89.51, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 11 PONDEROSA LANE STA 14+89.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 12 PONDEROSA LANE STA 16+39.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 13 46TH LANE STA 8+27.71, LT. 13.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 14 46TH LANE STA 7+75.26, LT. 13.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 15 PONDEROSA LANE STA 17+89.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

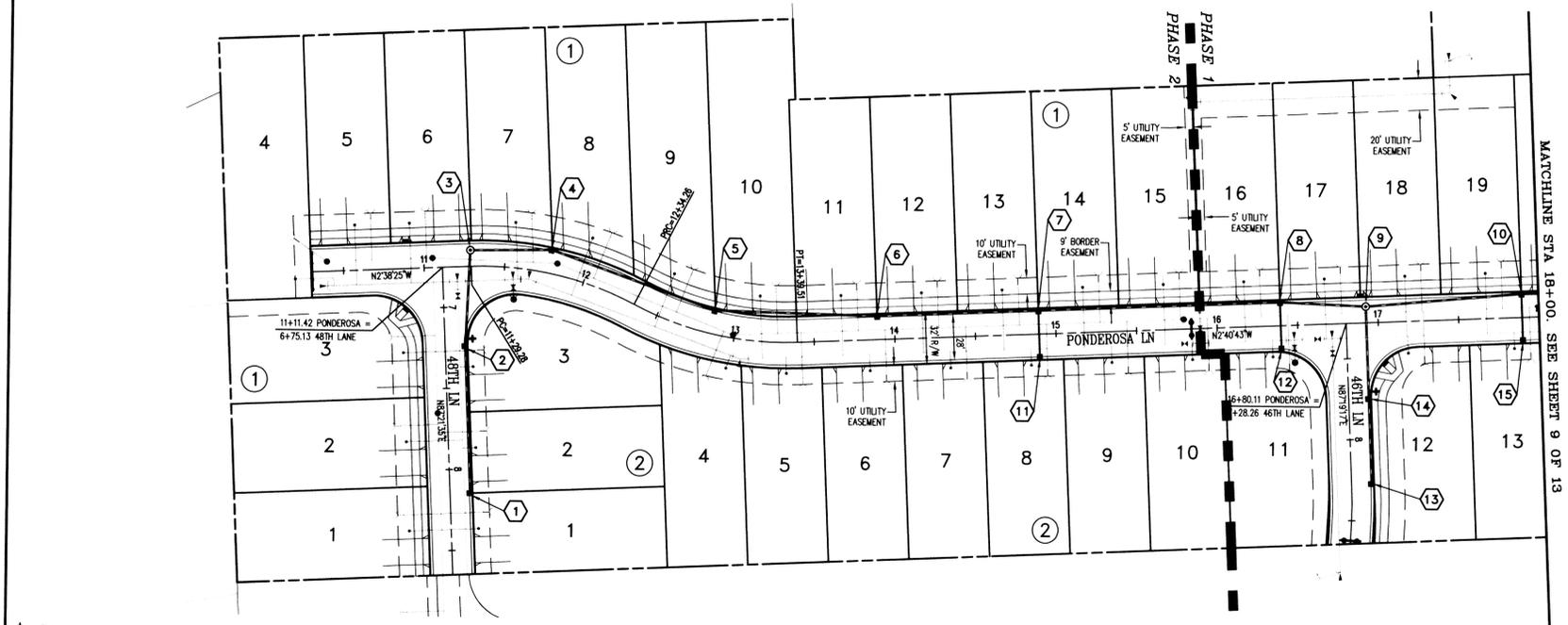
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

PROJECT # 1940
DATE ACCEPTED: 1/24/09
ACCEPTANCE EXPIRES: 1/24/11
PROJECT LANE MILES PUBLIC: 1.0
PROJECT LANE MILES PRIVATE: 0.51

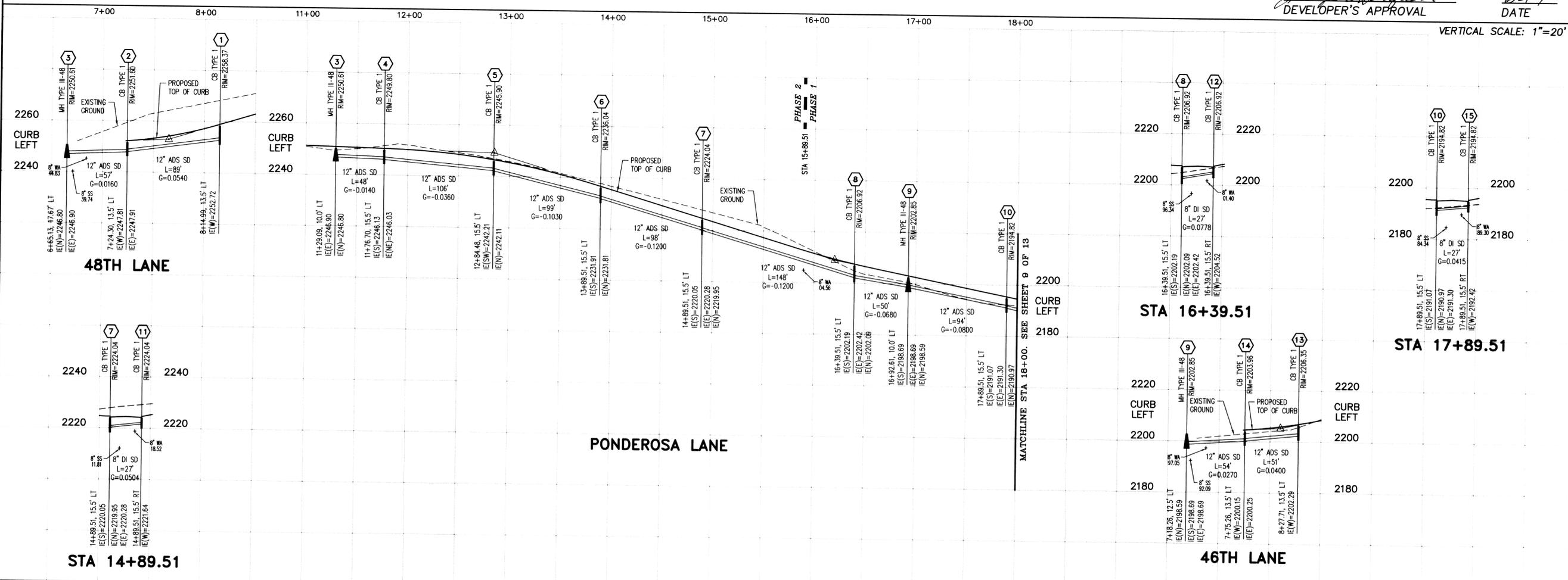
RECORD DRAWINGS, "AS-BUILT'S" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



Matthew Wolf
DEVELOPER'S APPROVAL DATE 6/19



DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP 32395-201
NAVD 88 ELEV. 1748.432



Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

PONDEROSA PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

STREET PLANS
County Plat No: PE-1940
MCE Project No: 06-256
Sheet: **8 of 13**

P.1940 Eng Road/Drainage

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

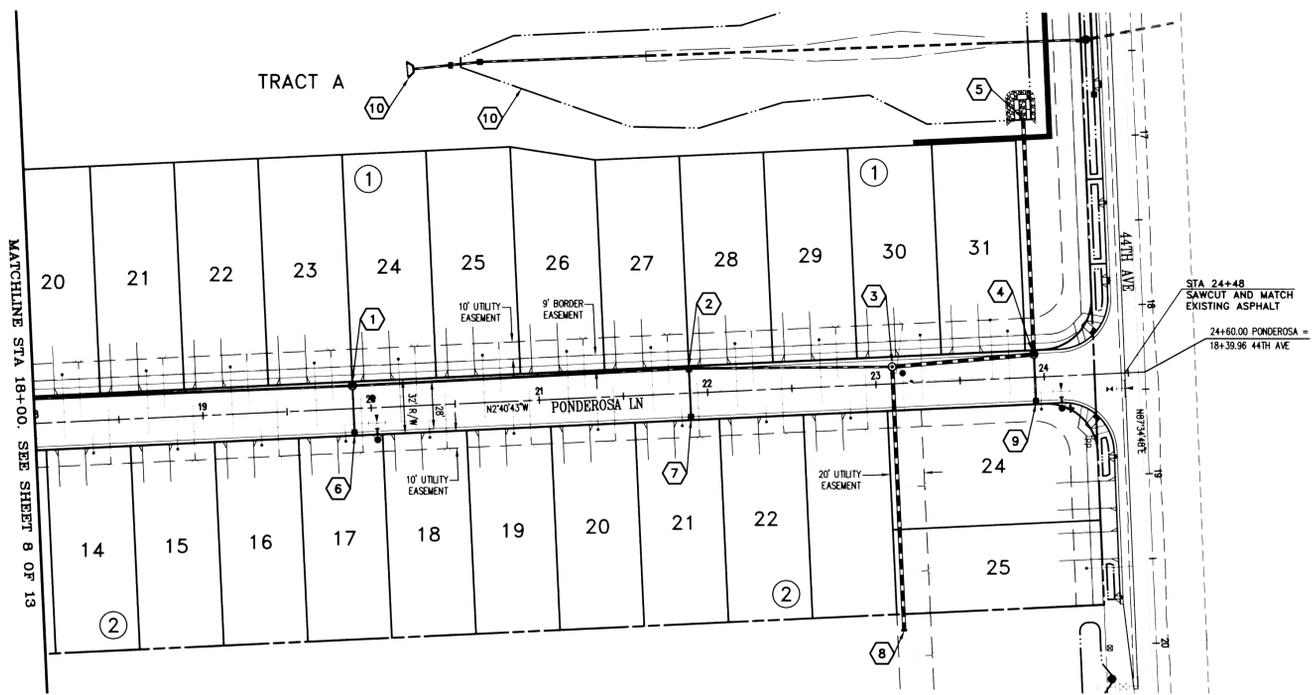
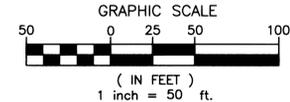
By
DNW
DNW
DNW
Activity
ORIGINAL PREPARATION
COUNTY REVIEW COMMENTS
FINAL APPROVAL
Date
12/22/08
02/09/09
05/21/09

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 1940
DATE ACCEPTED: 11/24/05
ACCEPTANCE EXPIRES: 11/24/11
PROJECT LANE MILES PUBLIC: 0.31
PROJECT LANE MILES PRIVATE: 0.31
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



CONSTRUCTION NOTES

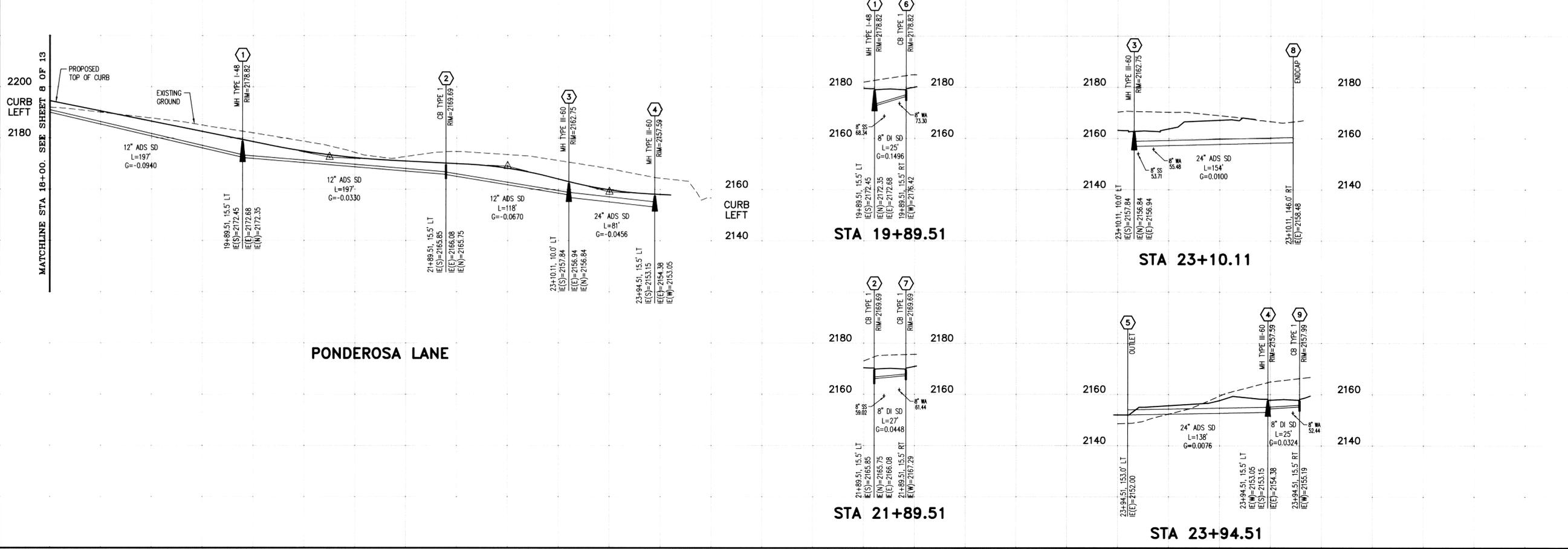
- GENERAL:**
- ALL INLET STRUCTURES SHALL BE INSTALLED WITH 1" DEEP GUTTER DEPRESSION PER SPOKANE COUNTY STANDARD PLAN B-18. RIM ELEVATIONS NOTED INCLUDE 1" DEPRESSION.
 - ALL MANHOLE STRUCTURES SHALL PROVIDE 18" DEEP SUMP BELOW PIPE INVERT.
- CONSTRUCTION:**
- PONDEROSA STA 19+89.51, LT. 15.5', TYPE I-48 MANHOLE WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS U-2 (W/O CHANNEL), B-10 AND B-12.
 - PONDEROSA LANE STA 21+89.51, LT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
 - PONDEROSA STA 23+10.11, LT. 10.0', TYPE III-60 MANHOLE WITH MANHOLE RING AND SOLID COVER, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), AND U-14.
 - PONDEROSA STA 23+94.51, LT. 15.5', TYPE III-60 MANHOLE WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), B-10 AND B-12.
 - PONDEROSA STA 23+94.51, LT. 153.0', GABION ENERGY DISSIPATOR WITH CONCRETE OUTFALL (WILBERT PRECAST #4016-24"), PER DETAIL 2 ON SHEET 10. INSTALL TRASH RACK ON PIPE OPENING.
 - PONDEROSA LANE STA 19+89.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
 - PONDEROSA LANE STA 21+89.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
 - PONDEROSA LANE STA 23+10.11, RT. 146.0', 24" ENDCAP.
 - PONDEROSA LANE STA 23+94.51, RT. 15.5', TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
 - FOR POND AND DRAINAGE DETAILS SEE SHEET 10.



DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432

James Deulman
DEVELOPER'S APPROVAL DATE 6/4/09

18+00 19+00 20+00 21+00 22+00 23+00 24+00 VERTICAL SCALE: 1"=20'



Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800 Mead, WA 99021
(509) 466-5794 Fax: 466-1514

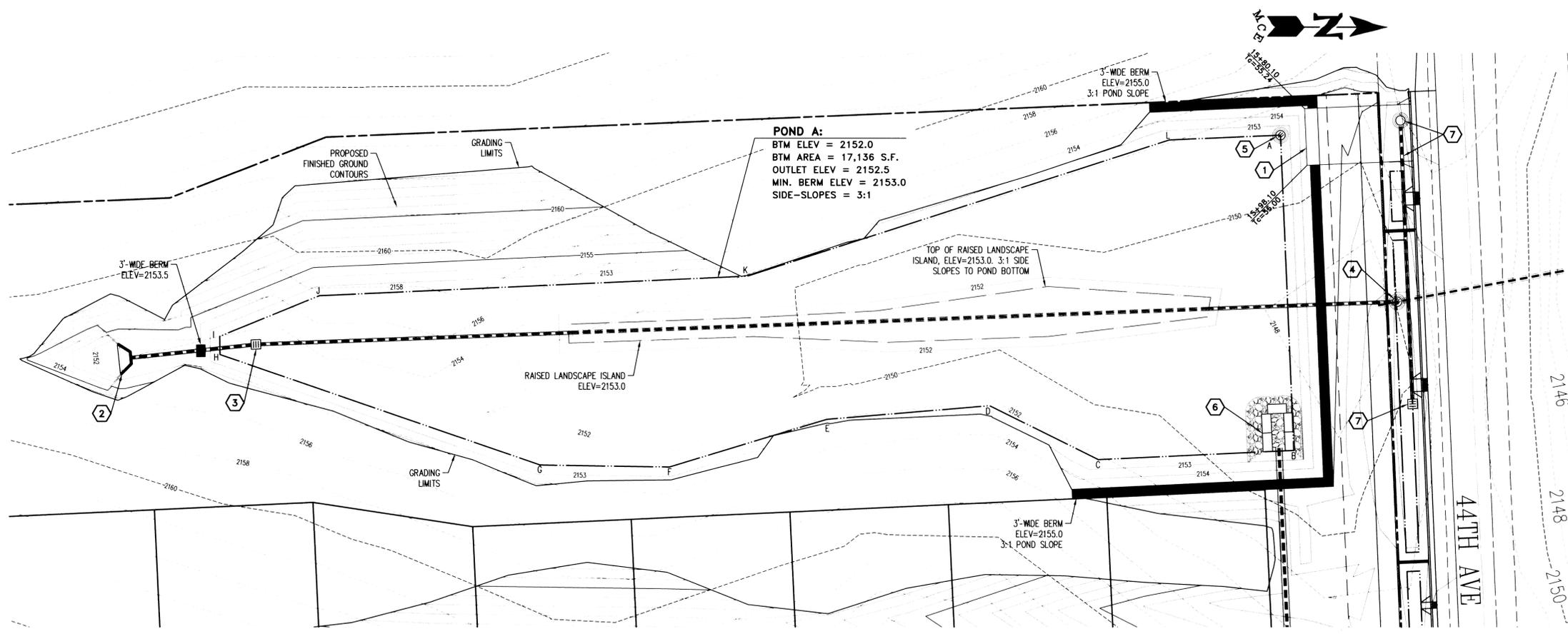
PONDEROSA PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-266
Sheet: **9** of **13**

P.1940 Eng. Cont. Drainage

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

By: DWN DWN DWN
Date: Activity
12/22/08 ORIGINAL PREPARATION
02/09/09 COUNTY REVIEW COMMENTS
05/21/09 FINAL APPROVAL



POND A:
BTM ELEV = 2152.0
BTM AREA = 17,136 S.F.
OUTLET ELEV = 2152.5
MIN. BERM ELEV = 2153.0
SIDE-SLOPES = 3:1

POND A

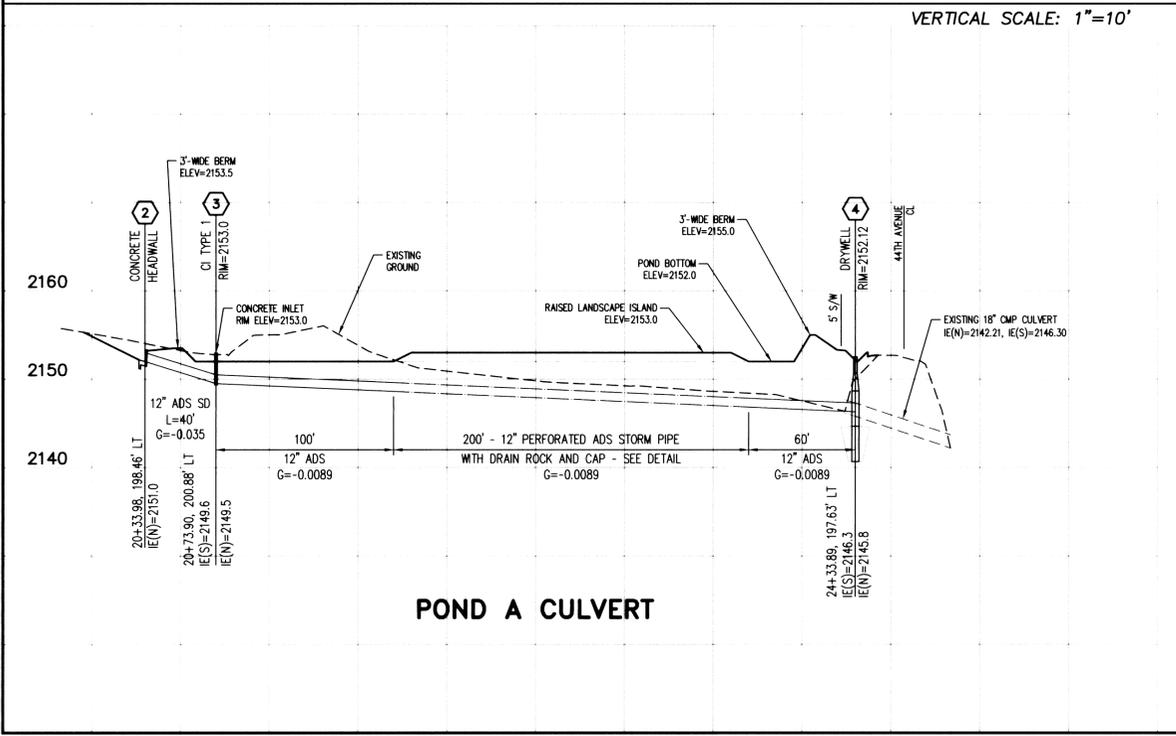
POINT	STATION	OFFSET	NOTES
A	23+99.66	LT 252.05	AP
B	23+99.18	LT 152.05	AP
C	23+37.39	LT 152.05	AP
D	23+03.97	LT 170.73	AP
E	22+52.46	LT 168.81	AP
F	22+02.27	LT 156.01	AP
G	21+61.62	LT 158.54	AP
H	20+62.44	LT 198.22	AP
I	20+62.60	LT 203.55	AP
J	20+94.63	LT 215.38	AP
K	22+29.74	LT 215.30	AP
L	23+64.56	LT 252.21	AP

NOTE:
STRIP EXISTING TOPSOIL FROM POND AREA PRIOR TO PLACING FILL MATERIAL. ONCE POND IS ROUGH GRADED, PLACE 6" OF NATIVE TOPSOIL OVER POND BOTTOM AND SIDE SLOPES TO FINISHED ELEVATIONS SHOWN. DRAINAGE POND TO BE PLANTED WITH NATIVE GRASSES AND DENSE TREES AND SHRUBS PER VEGETATIVE PLANTING PLAN BY BS&W.

POND DETAIL

1
1 INCH = 20 FEET

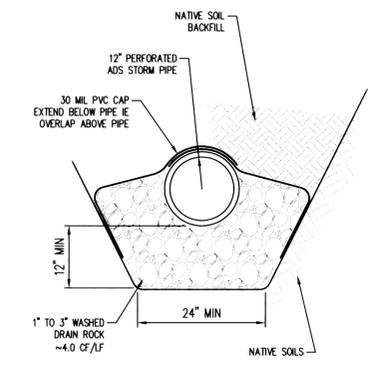
DATUM
WSDOT DATUM NO. 3394
LOCATED AT SR395 MP 167.35
DESIGNATION GP32395-201
NAVD 88 ELEV. 1748.432



POND A CULVERT

CONSTRUCTION NOTES

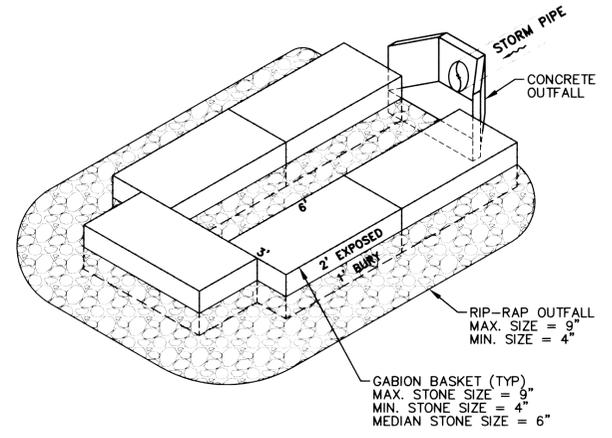
- 1 ACCESS DRIVEWAY, W=18'. SLOPE UP FROM BACK OF WALK TO ELEVATIONS SHOWN.
- 2 PONDEROSA LANE STA 20+33.98, LT. 198.46', CONCRETE HEADWALL (WILBERT PRECAST #4016-12) WITH TRASH RACK.
- 3 PONDEROSA LANE STA 20+73.90, LT. 200.88', TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-14.
- 4 PONDEROSA LANE STA 24+33.89, LT. 197.63', SEEPAGE MANHOLE PER DETAIL 4 ON SHEET 11.
- 5 PONDEROSA LANE STA 23+99.66, LT. 252.05', GRAVEL GALLERY WITH 30'x20' FOOTPRINT AND SEEPAGE MANHOLE INLET STRUCTURE PER DETAIL 5 ON SHEET 11.
- 6 PONDEROSA STA 23+94.51, LT. 153.0', GABION ENERGY DISSIPATOR WITH CONCRETE OUTFALL (WILBERT PRECAST #4016-24"), PER DETAIL 2 THIS SHEET. INSTALL TRASH RACK ON PIPE OPENING.
- 7 FOR DRAINAGE INFORMATION SEE SHEET 7.



CULVERT SECTION

NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1940
DATE ACCEPTED: 11/24/09
ACCEPTANCE EXPIRES: 11/24/11
PROJECT LANE MILES PUBLIC: 0.31
PROJECT LANE MILES PRIVATE: 0.31
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



GABION DISSIPATOR

2
NOT TO SCALE

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

PONDEROSA PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

STREET PLANS
County Plat No. PE-1940
MCE Project No. 06-266
Sheet 10 of 13

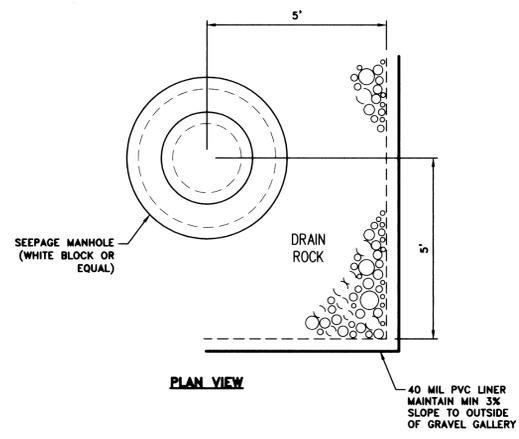
Developer's Approval: [Signature]
DATE: 6/19/09

P.1940 Eng Road Drainage

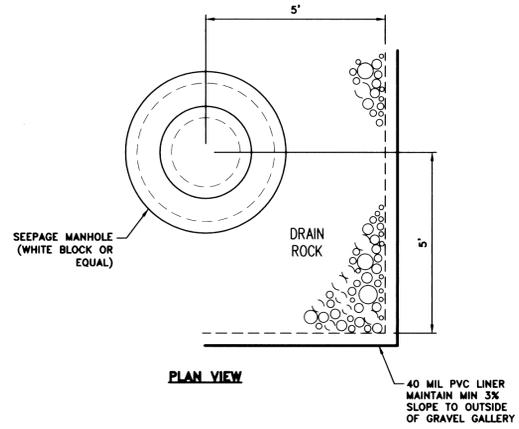
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: 0-1940
 DATE ACCEPTED: 11/24/09
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 PROJECT LANE MILES PUBLIC: 0.51
 PROJECT LANE MILES PRIVATE: 0.51
 CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED! (509) 477-3600
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

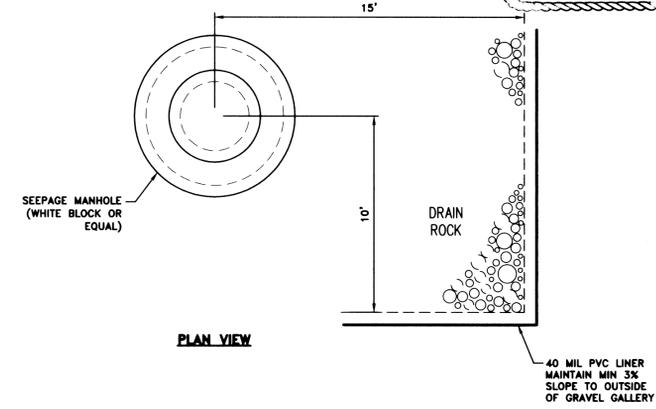
By: DNV DNV DNV
 Date: 12/22/08 02/09/09 06/21/09
 Activity: ORIGINAL PREPARATION COUNTY REVIEW COMMENTS FINAL APPROVAL



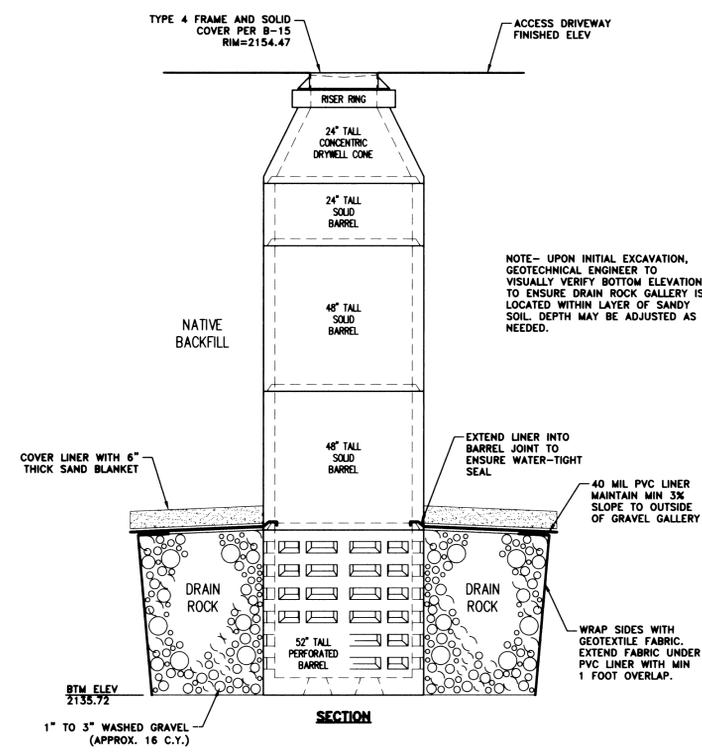
PLAN VIEW



PLAN VIEW

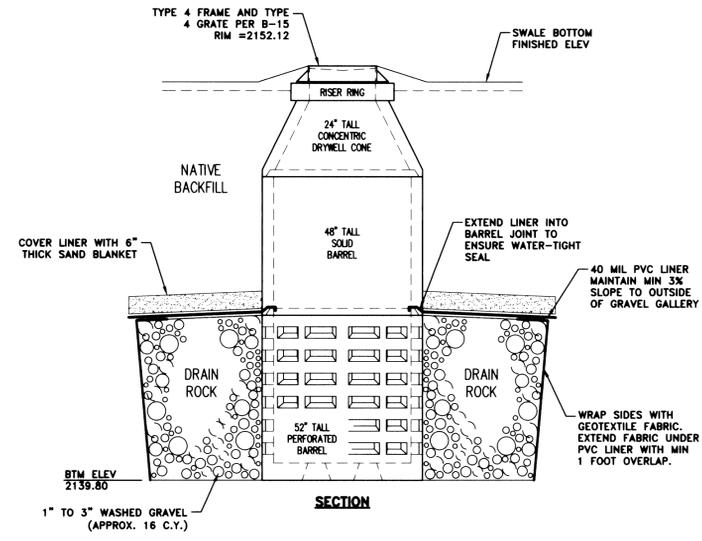


PLAN VIEW

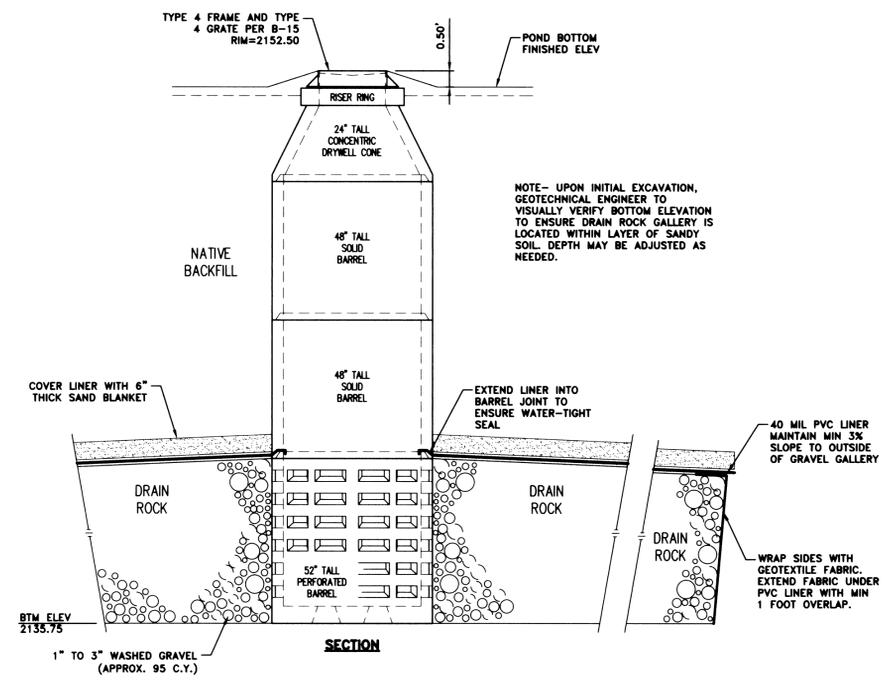


SECTION

NOTE - UPON INITIAL EXCAVATION, GEOTECHNICAL ENGINEER TO VISUALLY VERIFY BOTTOM ELEVATION TO ENSURE DRAIN ROCK GALLERY IS LOCATED WITHIN LAYER OF SANDY SOIL. DEPTH MAY BE ADJUSTED AS NEEDED.



SECTION

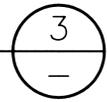


SECTION

NOTE - UPON INITIAL EXCAVATION, GEOTECHNICAL ENGINEER TO VISUALLY VERIFY BOTTOM ELEVATION TO ENSURE DRAIN ROCK GALLERY IS LOCATED WITHIN LAYER OF SANDY SOIL. DEPTH MAY BE ADJUSTED AS NEEDED.

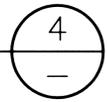
GRAVEL GALLERY - 44TH AVE

NOT TO SCALE



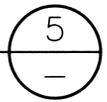
SEEPAGE MANHOLE - CULVERT

NOT TO SCALE



GRAVEL GALLERY - POND A

NOT TO SCALE



Mountain Crest Enterprises Inc.
 4024 East First Street
 P.O. Box 1800, Mead, WA 99021
 (509) 466-5794 Fax: 466-1514

PONDEROSA PUD
DRAINAGE DETAILS
 SPOKANE COUNTY, WA

STREET PLANS
 County Plat No.: PE-1940
 MCE Project No.: 06-266
 Sheet: **11** of **13**

Tommy Anderson
 DEVELOPER'S APPROVAL

649
 DATE

P. 1940

Eng. Paul Deane

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1940
DATE ACCEPTED: 11/24/09
ACCEPTANCE EXPIRES: 11/24/11
PROJECT LAKE MILES PUBLIC:
PROJECT LAKE MILES PRIVATE: 0.71
CONSTRUCTION: SCUMINATION 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) 477-3000
NOTIFY: (509) 477-3000

By
DWN
DWN
DWN
Date
Activity
12/22/08 ORIGINAL PREPARATION
02/09/09 COUNTY REVIEW COMMENTS
05/21/09 FINAL APPROVAL

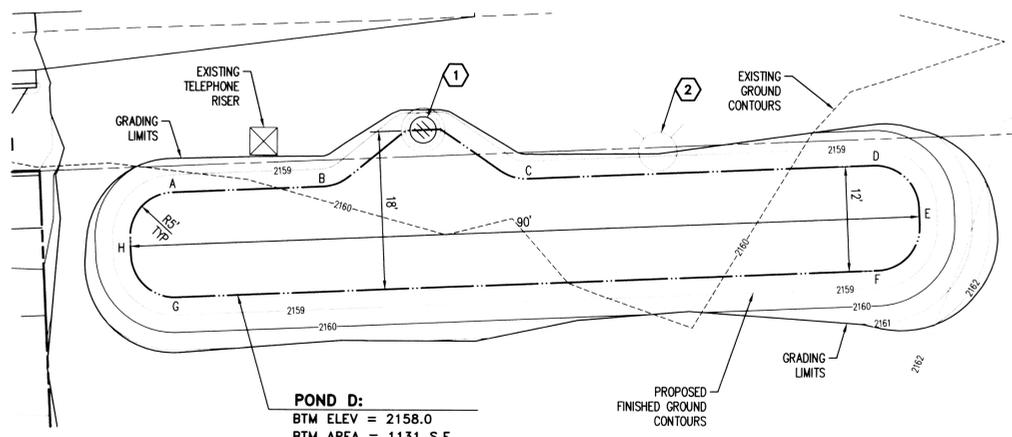


Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514



PONDEROSA PUD
DRAINAGE DETAILS
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 08-258
Sheet: **12** of **13**



POND D:
BTM ELEV = 2158.0
BTM AREA = 1131 S.F.
OUTLET ELEV = 2158.5
SIDE-SLOPES = 2:1

POND D

POINT	STATION	OFFSET	NOTES
A	19+91.13	RT 33.00	PC
B	20+08.33	RT 33.00	PC
C	20+31.67	RT 33.00	PC
D	20+71.13	RT 33.00	PC
E	20+76.13	RT 39.00	MID
F	20+71.13	RT 45.00	PC
G	19+91.13	RT 45.00	PC
H	19+86.13	RT 39.00	MID

NOTE:
DRAINAGE POND TO BE SEEDED
WITH DRYLAND GRASS SEED
MIXTURE PER SPOKANE COUNTY
STANDARDS.

POND DETAIL

1 INCH = 10 FEET



CONSTRUCTION NOTES

- ① 44TH AVENUE STA 20+20.00, RT. 27.00', PRECAST DRYWELL TYPE A WITH TYPE 4 METAL FRAME AND TYPE 4 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-1a, B-2, B-3 AND B-15. RIM EL=2158.50
- ② EXISTING FIRE HYDRANT AND FITTINGS TO BE REMOVED. SEE WATER PLANS.

James D. Douglas
DEVELOPER'S APPROVAL

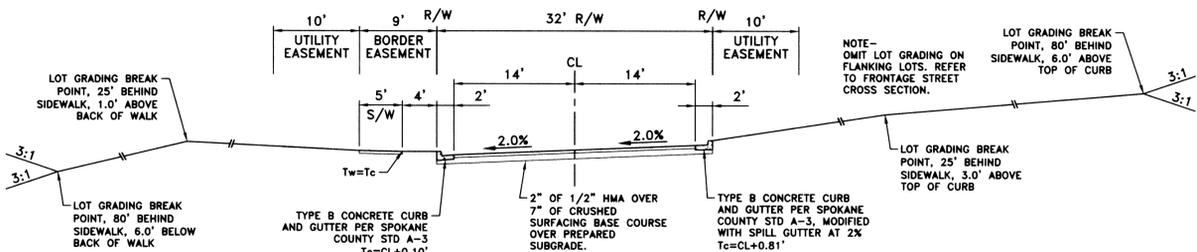
6-4-9
DATE

P. 1940 *Eng. Coord. Drainage*

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

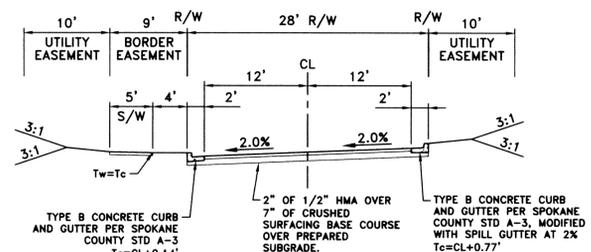
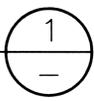
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: **P-1940**
DATE ACCEPTED: **11/21/09**
ACCEPTANCE EXPIRES: **11/21/11**
PROJECT LANE MILES PUBLIC: **0.51**
PROJECT LANE MILES PRIVATE: **0.51**
CONSTRUCTION DOCUMENTATION AND CERTIFIED
RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR
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ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT FEE: (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
BEFORE CONSTRUCTION.

Date	Activity	By
12/22/08	ORIGINAL PREPARATION	DNW
02/09/09	COUNTY REVIEW COMMENTS	DNW
06/21/09	FINAL APPROVAL	DNW



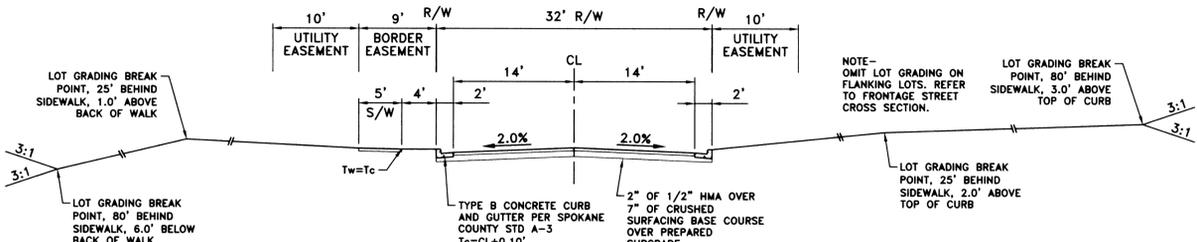
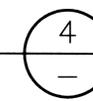
ROADWAY SECTION

PONDEROSA LANE STA 10+29.87 TO 13+89.51



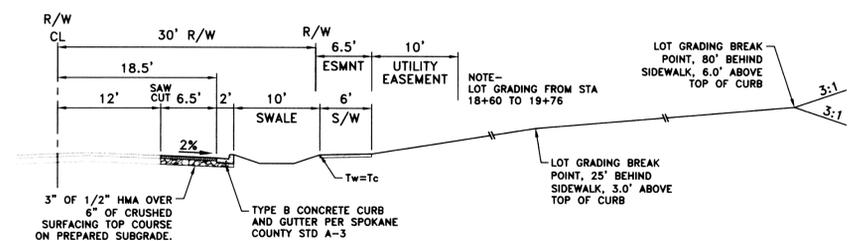
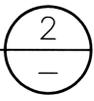
ROADWAY SECTION

46TH LANE STA 7+73.76 TO 8+62.95



ROADWAY SECTION

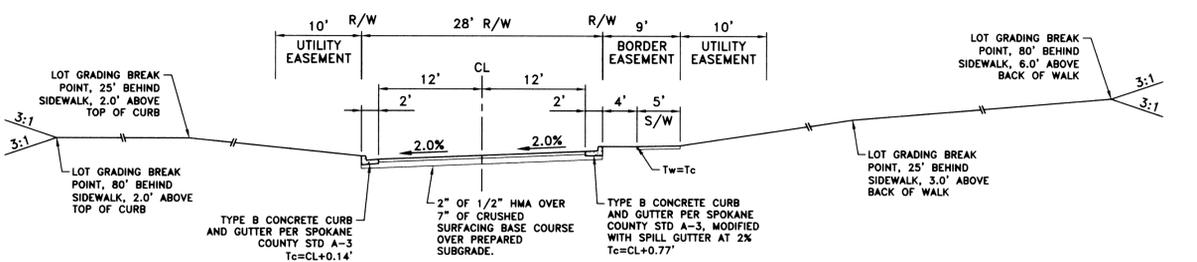
PONDEROSA LANE STA 13+89.51 TO 23+60.00



ROADWAY SECTION

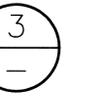
44TH AVENUE STA 15+76.10 TO 19+76.10

1 INCH = 10 FT



ROADWAY SECTION

48TH LANE STA 7+22.80 TO 8+65.00



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PONDEROSA PUD
ROADWAY SECTIONS
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: PE-1940
MCE Project No.: 06-256
Sheet: **13** of 13

James Anderson
DEVELOPER'S APPROVAL

6/19
DATE

P-1940

Eng. Road Drainage