

STREET GENERAL NOTES

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

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2001", AND AS AMENDED.
2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, MARK E. JOHNSON, P.E., © 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, © 477-3600.
6. NOT USED.
7. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT ANY CROSS-GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SPOKANE COUNTY SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE SPOKANE COUNTY PUBLIC WORKS REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE SPOKANE COUNTY PUBLIC WORKS INSPECTOR.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE SPOKANE COUNTY PUBLIC WORKS INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE SPOKANE COUNTY AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH M.U.T.C.D. TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (CITY, COUNTY, OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND MADE AVAILABLE TO THE SPOKANE COUNTY PUBLIC WORKS INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
14. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
17. THE CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR ALL WORK IN ALL PUBLIC ROADS AND R.O.W.'S TO SPOKANE COUNTY BEFORE BEGINNING ANY WORK ON THESE STREETS. CONTRACTOR SHALL BEGIN WORK ONLY AFTER SPOKANE COUNTY APPROVES THE PHASING PLAN, AND A PRECONSTRUCTION MEETING IS HELD BETWEEN THE COUNTY, THE ENGINEER AND THE CONTRACTOR.
18. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE PERIOD BETWEEN 6:00 A.M. AND 10:00 P.M. EVERYDAY UNLESS OTHERWISE APPROVED BY THE COUNTY.
19. THE ENGINEER OR DEVELOPER DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORT, TEST REPORTS, PROJECT CERTIFICATION AND AS-BUILTS TO THE COUNTY ENGINEER.
20. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
22. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF STREET SIGNS PRIOR TO MANUFACTURE OR INSTALLATION OF ALL STREET SIGNS.
23. ANY DAMAGE TO PUBLIC UTILITIES OR ADJACENT PROPERTIES AS A RESULT OF THE DEMOLITION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. REPAIRS SHALL BE MADE IN A TIMELY MANNER TO THE SATISFACTION OF THE DAMAGED PARTY.

COVER SHEET FOR

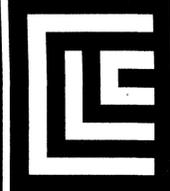
LUNNEBERG ESTATES

LARGE LOT PLAT

STREET AND STORM DRAINAGE PLANS

SOUTHWEST 1/4 OF SECTION 24, T. 26 N., R. 44 E., W.M. SPOKANE COUNTY, WASHINGTON

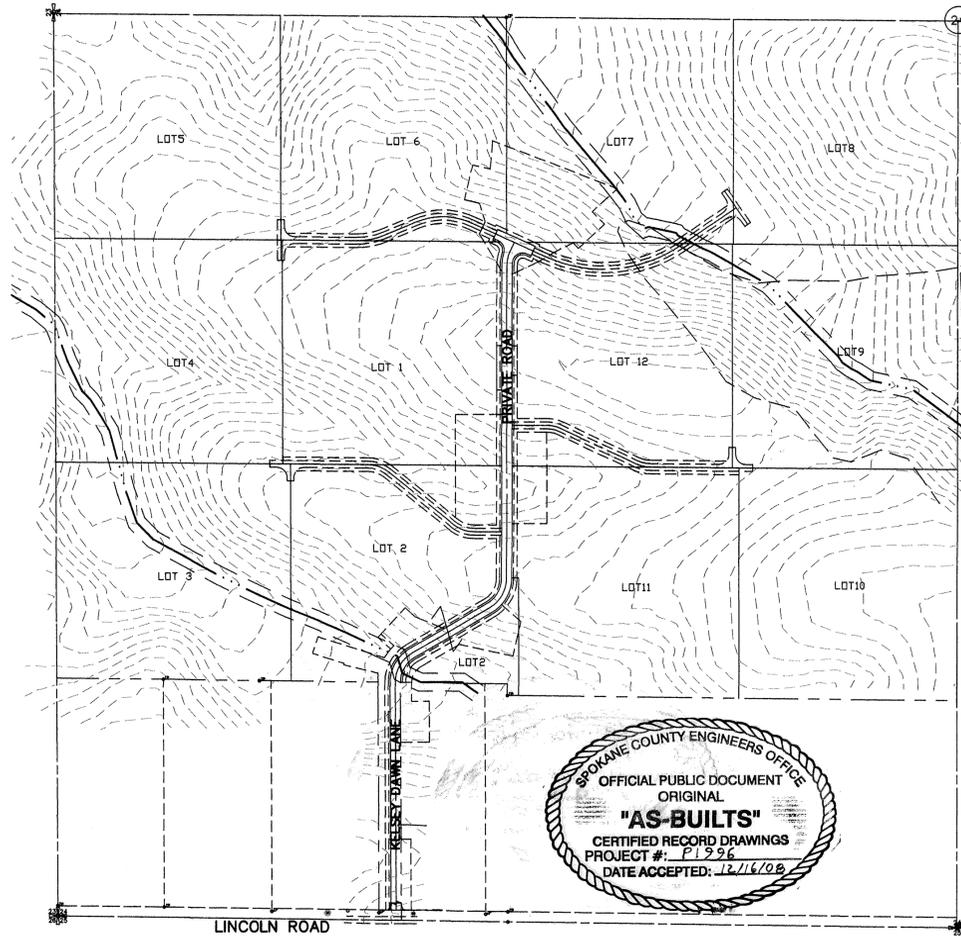
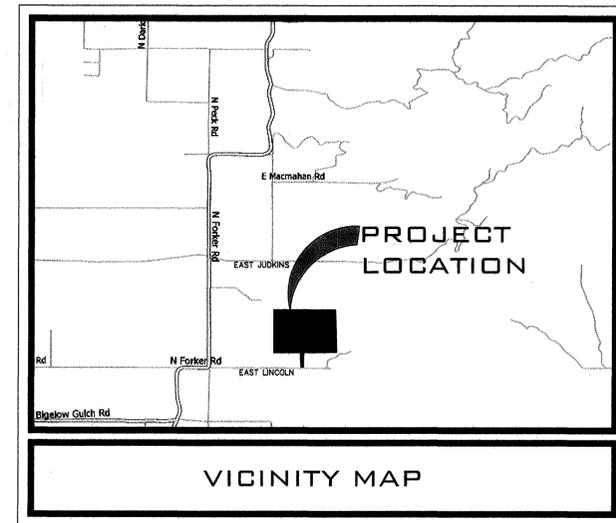
RECORD DRAWING



12730 E. MIRABEAU PKWY. SUITE 100 SPOKANE VALLEY WASHINGTON 99216 P 509 458 6840 F 509 458 6844 CLCASSOC.COM

ARCHITECTURE ENGINEERING PLANNING LANDSCAPE ARCHITECTURE LAND SURVEYING

STREET & STORM DRAINAGE CONSTRUCTION PLANS
LUNNEBERG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA



STORM DRAINAGE NOTES

1. NOT USED.
2. PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL PONDS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY POND IRRIGATION SYSTEM GUIDELINES.
3. ALL "208" PONDS SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.
4. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH AS-BUILT IRRIGATION PLANS UPON COMPLETION OF ALL POND CONSTRUCTION.
5. NOT USED.
6. ALL PONDS WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE POND GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE PONDS FOLLOWING THE ROAD PAVING WORK.
7. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

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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NAVD 88
BASED ON GPS STATIC OBSERVATIONS TAKEN ON CLC CONTROL POINT #100 DESCRIBED AS A 1/2" REBAR WITH A PINK PLASTIC CAP LOCATED APPROXIMATELY 845 FEET EAST OF THE SOUTHWEST CORNER OF SECTION 24, TOWNSHIP 26 NORTH, RANGE 44 EAST, W.M., AND APPROXIMATELY 26 FEET NORTH OF THE SOUTH LINE OF SAID SECTION. ELEVATION = 2531.80 FEET

BASIS OF BEARINGS
THE BEARING OF S89°19'20"E ALONG THE SOUTH LINE OF SECTION 24, AS SHOWN ON RECORD OF SURVEY, RECORDED IN BOOK 12 OF SURVEYS, PAGE 65 WAS USED AS BASIS OF BEARING FOR THIS MAP.

EXISTING	GENERAL	PROPOSED
---	ROADWAY CENTER LINE	---
---	RIGHT OF WAY LINE	---
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	FENCE	---
---	CURE PAVEMENT	---
---	GRAVEL	---
---	PLAT BOUNDARY	---
---	BUILDINGS & STRUCTURES	---
---	STORM DRAINAGE	
---	DRAINAGE LINE	---
---	MANHOLE	---
---	DRYWELL	---
---	CATCH BASIN	---
---	DITCH	---
---	POND BOTTOM LINE	---



CAUTION: NOTICE TO CONTRACTOR

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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.

DEVELOPER'S APPROVAL DATE

SHEET 1

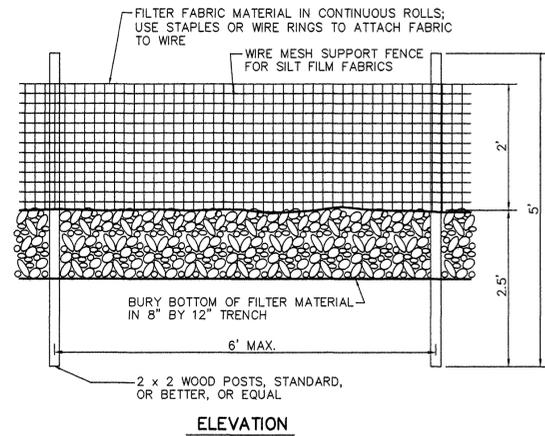
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EROSION & SEDIMENT CONTROL GENERAL NOTES AND INFORMATION

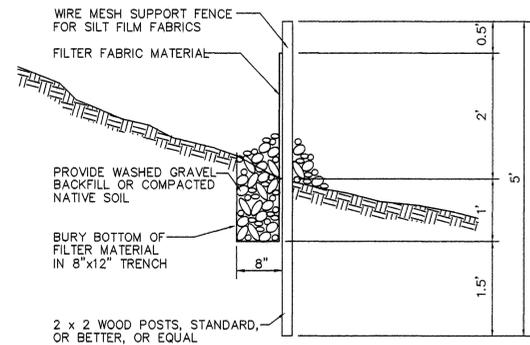
- A TEMPORARY EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE T.E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE T.E.S.C. FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.
- APPROVAL OF THE T.E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE T.E.S.C. PLAN.
- THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE T.E.S.C. MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
- GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
- THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION EXITS AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. SEE DETAIL 2 THIS SHEET.
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT, NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
- PROPERTY OWNER: TONY HIGLEY, (509) 928-2650
PERMIT APPLICANT: TONY HIGLEY, (509) 928-2650
CONTACT PERSON ON SITE: TONY HIGLEY, (509) 928-2650
- PROJECT LOCATION: SPOKANE COUNTY, NORTH OF EAST LINCOLN RD, AND WEST OF FORKER ROAD. IN THE SOUTHWEST 1/4 OF SECTION 24, TOWNSHIP 26N, RANGE 44E, W.M.
- PROJECT DESCRIPTION: PLAT CONSISTING OF 12 LOTS AND WILL REQUIRE CONSTRUCTION OF ROADS, AND STORM DRAINAGE FACILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 2170 LINEAR FEET OF A NEW PRIVATE ROAD WITH ASSOCIATED STORM DRAINAGE.
- DESCRIPTION OF T.E.S.C. MEASURES: USE OF SILT FENCES, GRAVEL FILTERS AND ROCK CONSTRUCTION EXITS. ALL T.E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
- EXISTING VEGETATION: PREDOMINANTLY FIELD GRASS AND TILLED FIELD WITH AN ISOLATED GROVE OF PINE TREES.
- PLAN PREPARATION DATE: FEBRUARY 20, 2008
- SOILS: ON SITE SOILS INCLUDE:
BoB- BERNHILL SILT LOAM, 0 TO 20 PERCENT SLOPES
BoC- BERNHILL SILT LOAM, 20 TO 30 PERCENT SLOPES
GB- GREEN BLUFF SILT LOAM, 5 TO 20 PERCENT SLOPES
Kc- KONNER SILTY CLAY LOAM
NpB- NEZ PERCE SILT LOAM, 5 TO 20 PERCENT SLOPES
- STABILIZATION OF DENUDED AREAS:**
ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 LBS/ACRE.
- CONTROL OF POLLUTANTS:**
ANY SPILLS SHALL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.
- SEED MIX:**
EXCAVATION AND EMBANKMENT BANKS AND ALL DISTURBED AREAS WILL REQUIRE STABILIZATION WITH HYDROSEEDING METHODS. THE SEED MIXTURE SHALL CONSIST OF THE FOLLOWING GRASS SPECIES:
20% ELKA PERENNIAL RYE
20% DURAN HARD FESCUE
45% COVAR SHEEP / FESCUE
15% REUBENS CANADIAN BLUEGRASS
GRASS SEED: 90 LBS. / ACRE
FERTILIZER: 16-16-16 TIMED RELEASE AT 300 LBS. / ACRE
- ALL SEEDING OF SLOPES SHALL BE PERFORMED IN ACCORDANCE WITH W.S.D.O.T. STANDARD SPECIFICATIONS SECTION 8-01, AND APPENDIX "E" OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

MAINTENANCE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
- SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE E.S.C. STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
- ALL TEMPORARY E.S.C. MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
- ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.



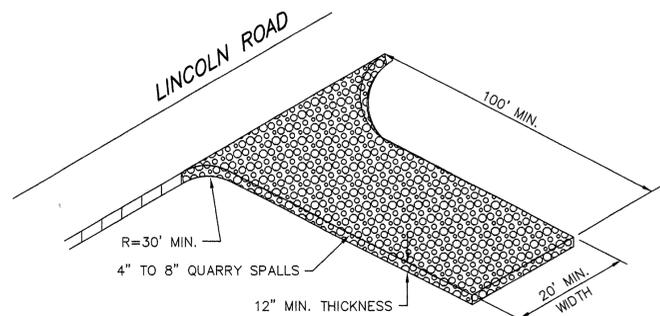
ELEVATION



SECTION

SILT FENCE DETAIL

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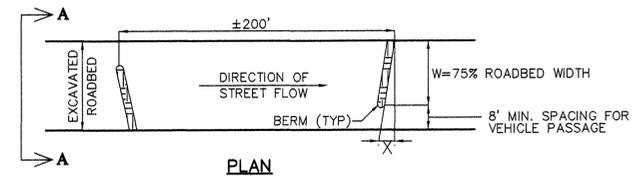


ROCK CONSTRUCTION EXIT

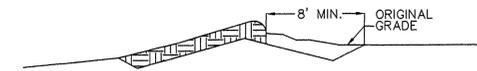
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RECORD DRAWING



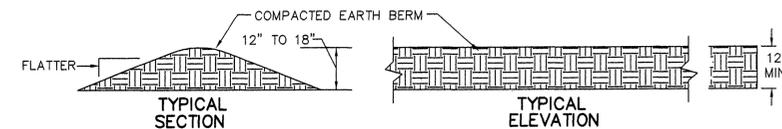
PLAN



CROSS SECTION A-A

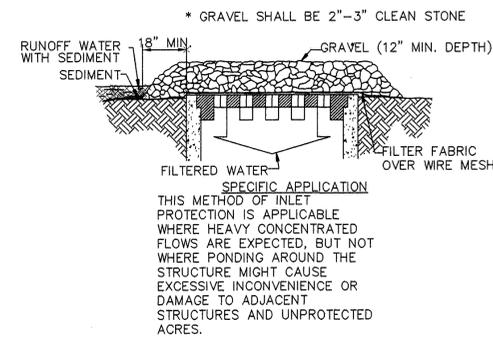
W	X
20'-30'	5'
31'-40'	7'
41'-50'	9'
51'-60'	10.5'
61'-70'	12'

OBJECTIVE: TO DIVERT SEDIMENT-LADEN RUNOFF FROM ROUGH-CUT STREETS AND SLOW THE VELOCITY OF STORM RUNOFF.



RUNOFF BERM

NOT TO SCALE



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

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.



EXPIRES 11/24/09



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CLC ASSOCIATES

12730 E. MIRABEAU PKWY., SUITE 100
SPOKANE VALLEY
WASHINGTON 99216
P 509 458 6840
F 509 458 6844
CLCASSOC.COM

ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

TEMPORARY EROSION AND SEDIMENT
CONTROL PLANS

LUNEBORG ESTATES

NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA

DATE: 05/14/08
DESCRIPTION: COUNTY SUBMITTAL RECORD DRAWING 11/20/08
DRAWN BY: LMG
DESIGNED BY: MEJ
CHECKED BY: MLK

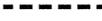
PROJECT #: 07-0010
DRAWN BY: LMG
DESIGNED BY: MEJ
CHECKED BY: MLK

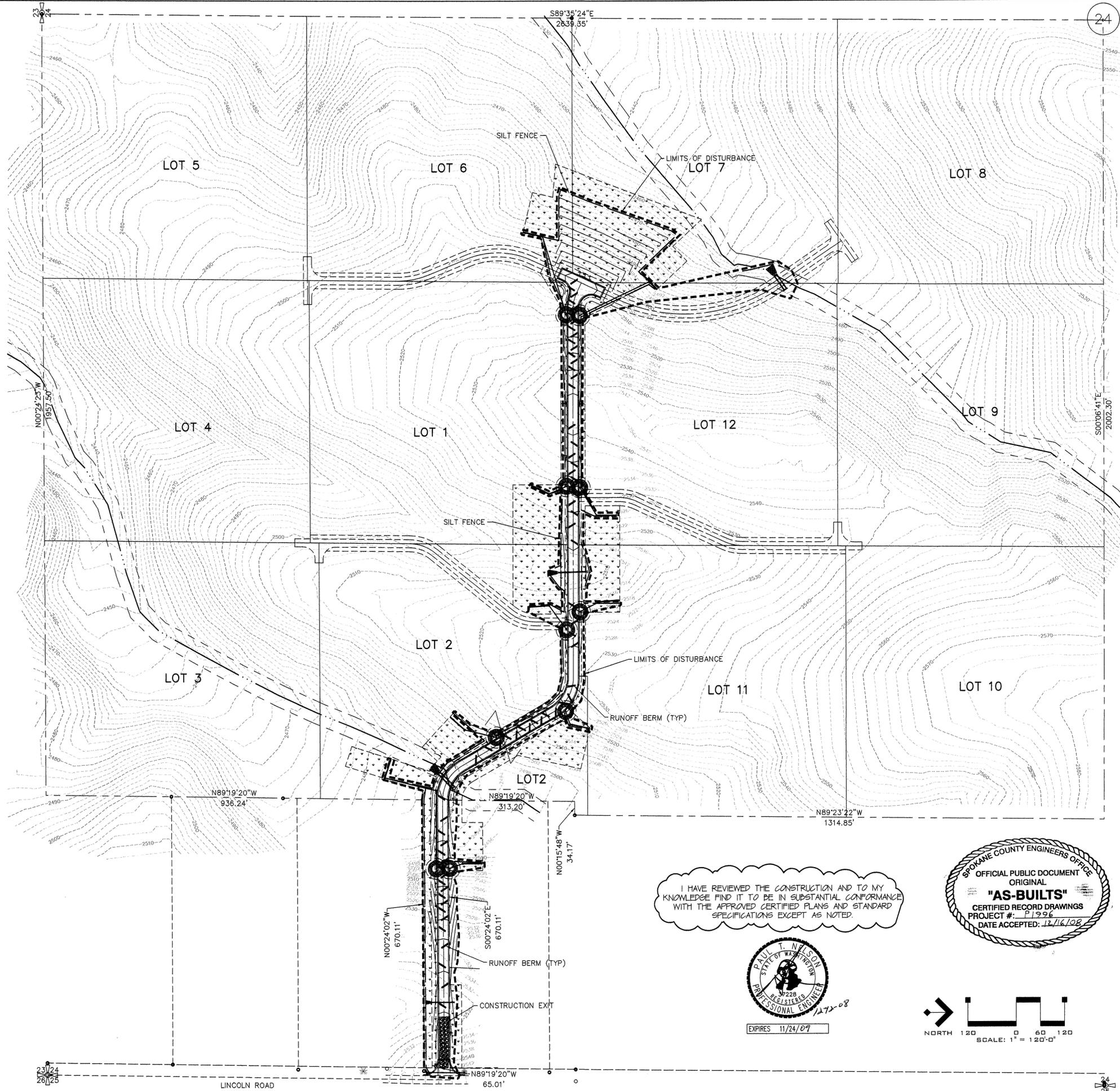
SHEET 2

P-1996 Eng As Built

RECORD DRAWING

LEGEND

-  STORM DRAINAGE STRUCTURE - NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7, SHEET 2.
-  SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5, SHEET 2.
-  LIMIT OF SOIL DISTURBANCE
-  ROCK CONSTRUCTION EXIT. SEE DETAIL 2 AND GENERAL NOTE 6, SHEET 2.
-  PROPOSED CULVERT PIPE
-  RUNOFF BERM. SEE DETAIL 3, SHEET 7, SHEET 2.
-  GRAVEL FILTER AND FILTER FABRIC INLET PROTECTION (GENERAL NOTES 4 AND 7 SHEET 2) SEE DETAILS 3, SHEET 2.
-  NATIVE VEGETATION PRESERVATION AREA. CONTRACTOR SHALL AVOID TREADING OR DISTURBING THESE AREAS AS MUCH AS POSSIBLE. ANY DISTURBED SOIL IN THESE AREAS SHALL BE SEEDED IMMEDIATELY WITH DRYLAND GRASS SEED MIX.



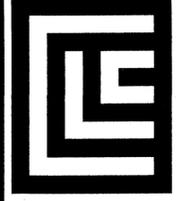
BASIS OF BEARINGS
THE BEARING OF S89°19'20"E ALONG THE SOUTH LINE OF SECTION 24, AS SHOWN ON RECORD OF SURVEY, RECORDED IN BOOK 12 OF SURVEYS, PAGE 65 WAS USED AS BASIS OF BEARING FOR THIS MAP.

NAVD 88
BASED ON GPS STATIC OBSERVATIONS TAKEN ON CLC CONTROL POINT #100 DESCRIBED AS A 1/2" REBAR WITH A PINK PLASTIC CAP LOCATED APPROXIMATELY 845 FEET EAST OF THE SOUTHWEST CORNER OF SECTION 24, TOWNSHIP 26 NORTH, RANGE 44 EAST, W.M., AND APPROXIMATELY 26 FEET NORTH OF THE SOUTH LINE OF SAID SECTION. ELEVATION = 2531.80 FEET

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
8-1-1
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CAUTION: NOTICE TO CONTRACTOR
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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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ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

TEMPORARY EROSION AND SEDIMENT CONTROL PLANS
LUNNEBERG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA

DESCRIPTION
COUNTY SUBMITTAL
RECORD DRAWING 11/20/08
by ALLWEST TESTING & ENGINEERING

DATE
05/14/08

PROJECT #: 07-0010
DRAWN BY: LMC
DESIGNED BY: MEU
CHECKED BY: MLK

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P-1996 EngAsBuilt

RECORD DRAWING

CONSTRUCTION NOTES

- 1 INSTALL 24' WIDE PAVED ROADWAY, PER SPOKANE COUNTY STANDARD DETAIL A-2. SEE CROSS-SECTION DETAIL 1 & 2, SHEET 4.
- 2 INSTALL HAMMERHEAD CUL-DE-SAC, PER SPOKANE COUNTY STANDARD DETAIL A-10a. SEE DETAIL 1, THIS SHEET.
- 3 INSTALL RURAL PRIVATE DRIVEWAY, PER SPOKANE COUNTY STANDARD DETAIL A-8a. BY OTHERS.
- 4 GATE BY OTHERS.
- 5 INSTALL DISPERSION TRENCH, SEE DETAIL 1 SHEET 8. SEE PLAN FOR GRADE BOARD ELEVATION.
- 6 INSTALL CATCH BASIN TYPE 1 WITH METAL FRAME TYPE 1 AND METAL GRATE TYPE 2. PER SPOKANE COUNTY STANDARD DETAILS B-4, B-10 AND B-13. SEE DETAIL 3 SHEET 4.
- 7 INSTALL 12" STORM PIPE. L=81.18 LF, S=0.0277 FT/FT, BEARING S30°50'03"E UPSTREAM IE=2526.25, DOWNSTREAM IE=2524.00.
- 8 INSTALL 12" STORM PIPE. L=48.12 LF, S=0.0623 FT/FT, BEARING S66°01'01"W UPSTREAM IE=2526.47, DOWNSTREAM IE=2523.47.
- 9 INSTALL 12" STORM PIPE. L=204.91 LF, S=0.1074 FT/FT, BEARING N16°42'49"W UPSTREAM IE=2514.94, DOWNSTREAM IE=2492.94.
- 10 INSTALL 12" STORM PIPE. L=193.64 LF, S=0.1343 FT/FT, BEARING N46°10'49"E UPSTREAM IE=2515.08, DOWNSTREAM IE=2489.07.
- 11 INSTALL (3) OM4-3 END OF ROADWAY SIGNS, PER SPOKANE COUNTY AND MUTCD STANDARDS.

DELETED

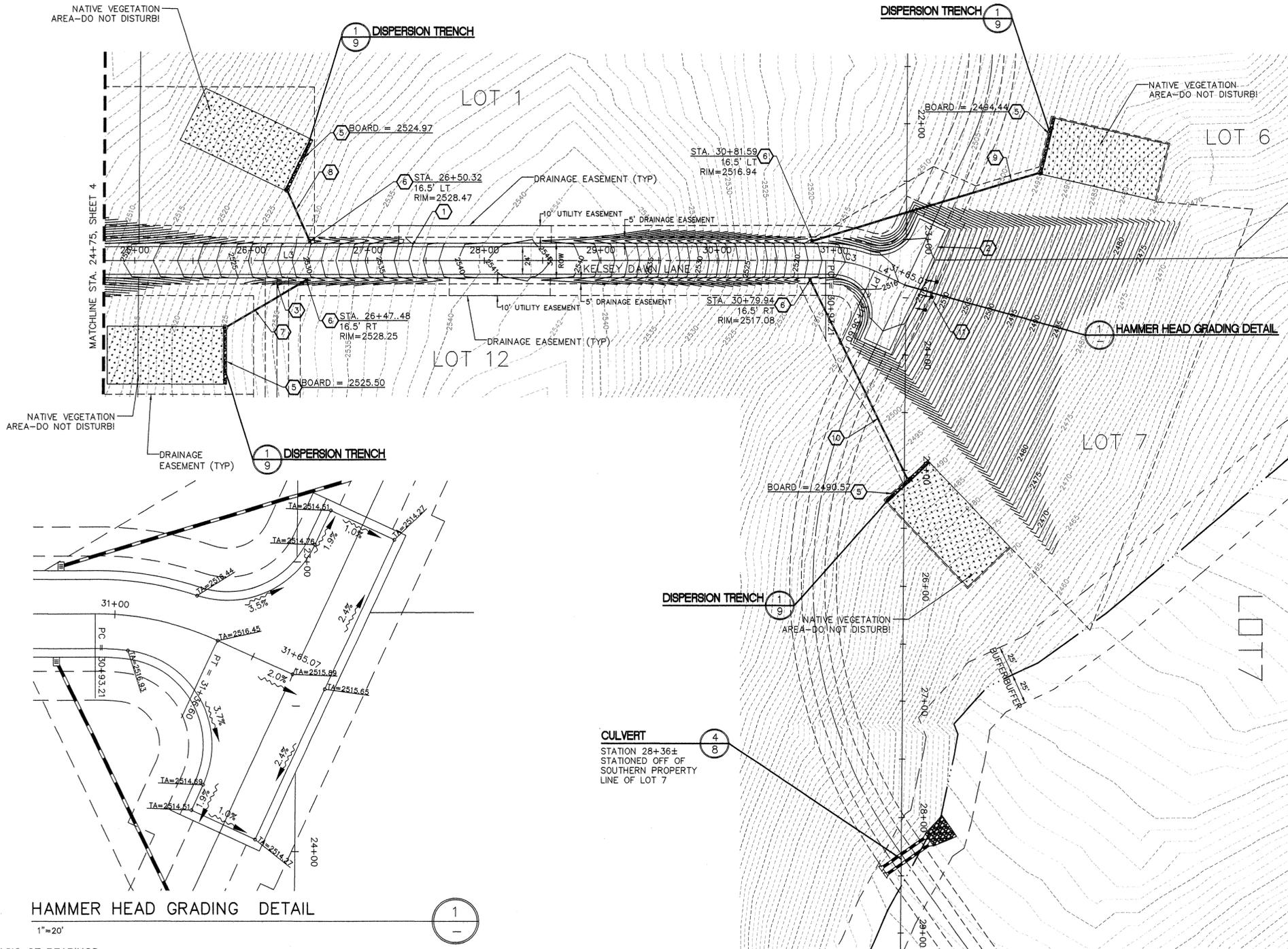
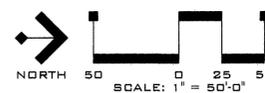


LINE	LENGTH	BEARING
L3	922.01	N00°07'22"W
L4	28.47	N24°44'17"E

CURVE	LENGTH	RADIUS	TANGENT	CHORD	DIRECTION	CHORD
C3	43.39	100.00	22.04	S12°18'27"W		43.05

LEGEND		
EXISTING	GENERAL	PROPOSED
---	STREET	---
---	EDGE OF PAVEMENT	---
---	STORM DRAINAGE	---
---	CULVERT	---
---	DITCH	---
---	DISPERSION TRENCH & NATIVE VEGETATION AREA	---
---	RIPRAP PAD	---
---	SURFACE CONTOUR	---
---	CONTOUR	---

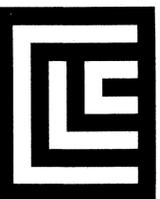
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.



BASIS OF BEARINGS
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ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

STREET AND STORM DRAINAGE
CONSTRUCTION PLANS
LUNNEBERG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA

DESCRIPTION: SUBMITTAL
DATE: 05/14/08
DRAWN BY: LMC
DESIGNED BY: NEU
CHECKED BY: MLK

PROJECT #: 07-0010
RECORD DRAWING 11/20/08
DESIGNED BY: ALLWEST TESTING & ENGINEERING

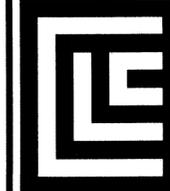
KELSEY DAWN LANE PLAN

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BASED ON GPS STATIC OBSERVATIONS TAKEN ON CLC CONTROL POINT #100 DESCRIBED AS A 1/2" REBAR WITH A PINK PLASTIC CAP LOCATED APPROXIMATELY 845 FEET EAST OF THE SOUTHWEST CORNER OF SECTION 24, TOWNSHIP 26 NORTH, RANGE 44 EAST, W.M., AND APPROXIMATELY 26 FEET NORTH OF THE SOUTH LINE OF SAID SECTION. ELEVATION = 2531.80 FEET

SOUTHWEST 1/4 OF SECTION 24, T. 26 N., R. 44 E., W.M. SPOKANE COUNTY, WASHINGTON

RECORD DRAWING



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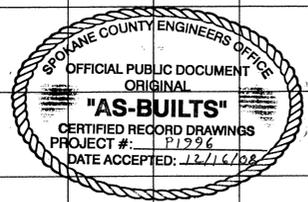
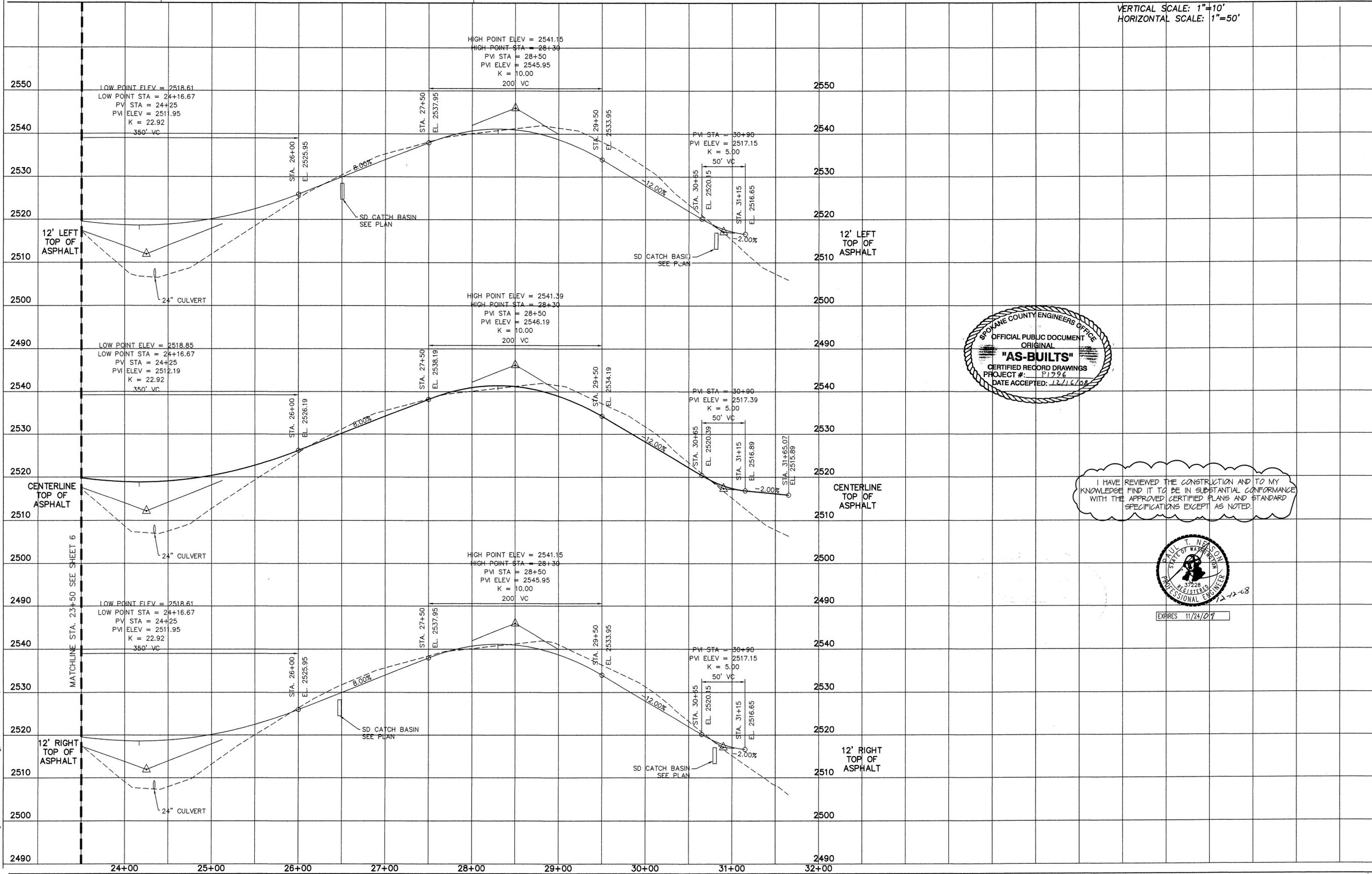
UNDERGROUND SERVICE ALERT ONE-CALL NUMBER



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



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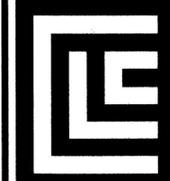
EXPIRES 11/24/09

STREET AND STORM DRAINAGE CONSTRUCTION PLANS
LUNNEBERG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA

DESCRIPTION: RECORD DRAWING 11/20/08
COUNTY SUBMITTAL: by ALLWEST TESTING & ENGINEERING
DATE: 03/17/08
PROJECT #: 07-0010
DRAWN BY: LMCC
DESIGNED BY: NEU
CHECKED BY: MLK

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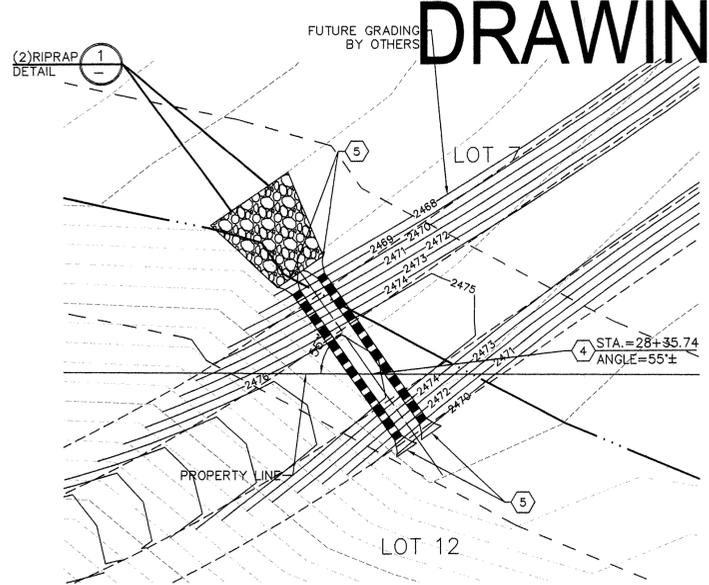
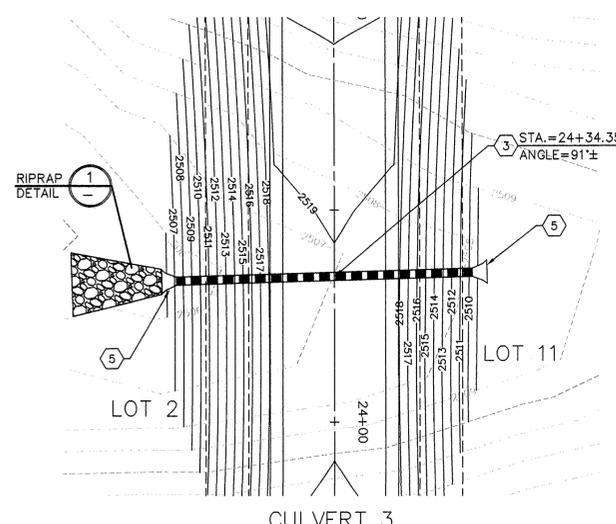
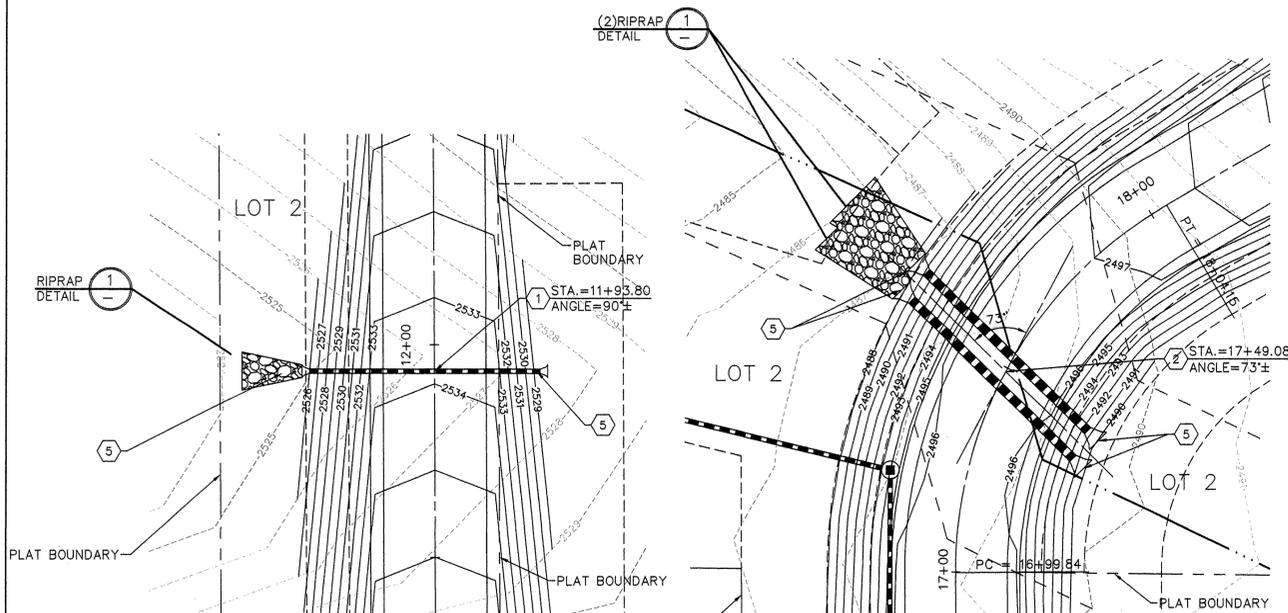
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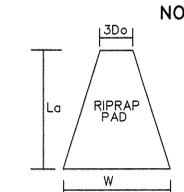
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LANDSCAPE ARCHITECTURE
LAND SURVEYING

STREET AND STORM DRAINAGE
CONSTRUCTION PLANS
LUNNEBERG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
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NAVD 88
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NOTE: RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

CULVERT	3D	Ld	W	STONE SIZE	THICK.
1	3'	15'	9'	3" MIN.	1.0'
2	6'	21'	15'	6" MIN.	1.0'
3	6'	21'	15'	6" MIN.	1.0'
4	6'	21'	15'	6" MIN.	1.0'

CULVERT RIPRAP PAD
NOT TO SCALE

CONSTRUCTION NOTES

- INSTALL 12" CMP STORM DRAINAGE CULVERT, L=54.28 LF, S=0.0458 FT/FT. UPSTREAM STA. 11+93.70, OFFSET 24.61 RIGHT, IE=2527.38, DOWNSTREAM STA. 11+93.91, OFFSET 29.14 LEFT, IE=2524.92.
- INSTALL (2)24" CMP STORM DRAINAGE CULVERT, 7' ON CENTER, L=53.00 LF, S=0.0410 FT/FT. UPSTREAM STA. 17+39.79, OFFSET 23.08 RIGHT, IE=2489.45, DOWNSTREAM STA. 17+55.60, OFFSET 27.56 LEFT, IE=2505.64.
- INSTALL 24" CMP STORM DRAINAGE CULVERT, L=68.74 LF, S=0.0349 FT/FT. UPSTREAM STA. 24+35.28, OFFSET 32.29 RIGHT, IE=2508.04, DOWNSTREAM STA. 24+33.29, OFFSET 36.86 LEFT, IE=2505.64.
- INSTALL (2)24" CMP STORM DRAINAGE CULVERT, 7' ON CENTER, L=41.95 LF, S=0.0500 FT/FT. UPSTREAM STA. 28+44.95, OFFSET 13.12 RIGHT, IE=2469.34, DOWNSTREAM STA. 28+20.85, OFFSET 21.21 LEFT, IE=2467.25.
- INSTALL FLARED END SECTION PER WSDOT STANDARD PLAN B-70.60-00 WITH TOE PLATE EXTENSION.

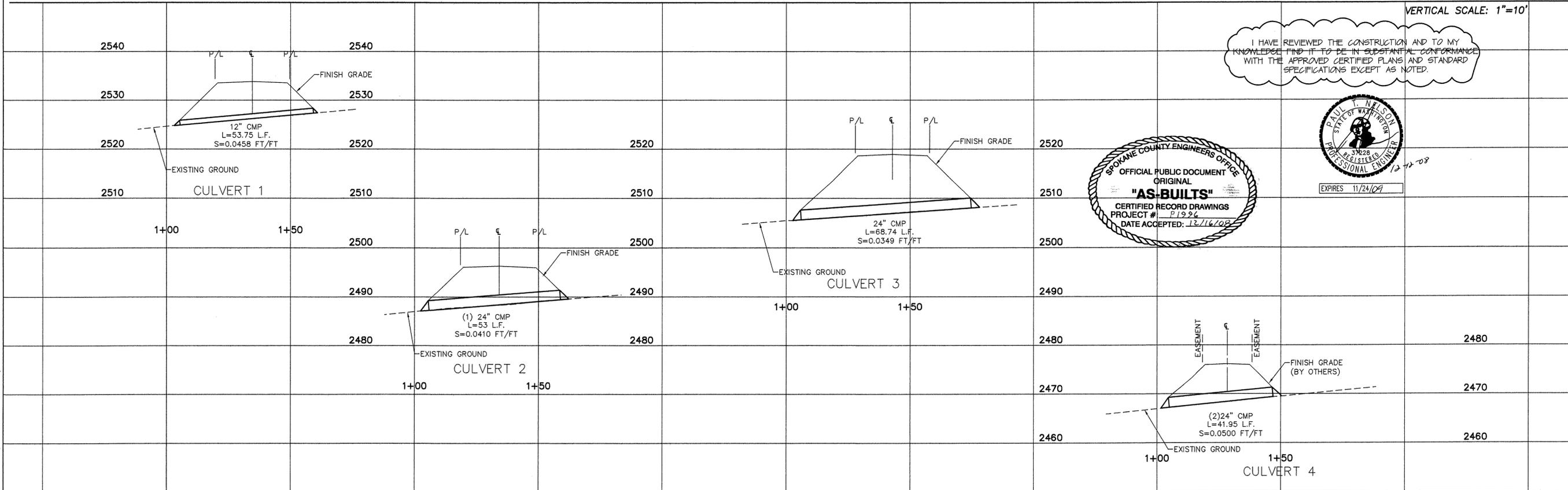
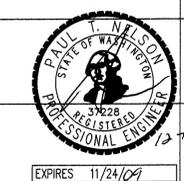
- GENERAL NOTES:**
- CULVERTS #1, #2 AND #3 ARE STATIONED OFF OF "A" LANE.
 - CULVERT #4 IS STATIONED OFF OF THE SOUTHERN PROPERTY LINE OF LOTS 5, 6, 7, AND 8.
 - MATCH APRON LONGITUDINAL SLOPES TO CULVERT SLOPE. PROVIDE POSITIVE DRAINAGE ENTERING AND EXITING APRONS.



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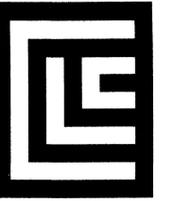


DATE: 05/14/08
DESCRIPTION: COUNTY SUBMITTAL RECORD DRAWING 11/20/08
by ALLWEST TESTING & ENGINEERING

PROJECT #: 07-0010
DRAWN BY: LMG
DESIGNED BY: MEJ
CHECKED BY: MLK

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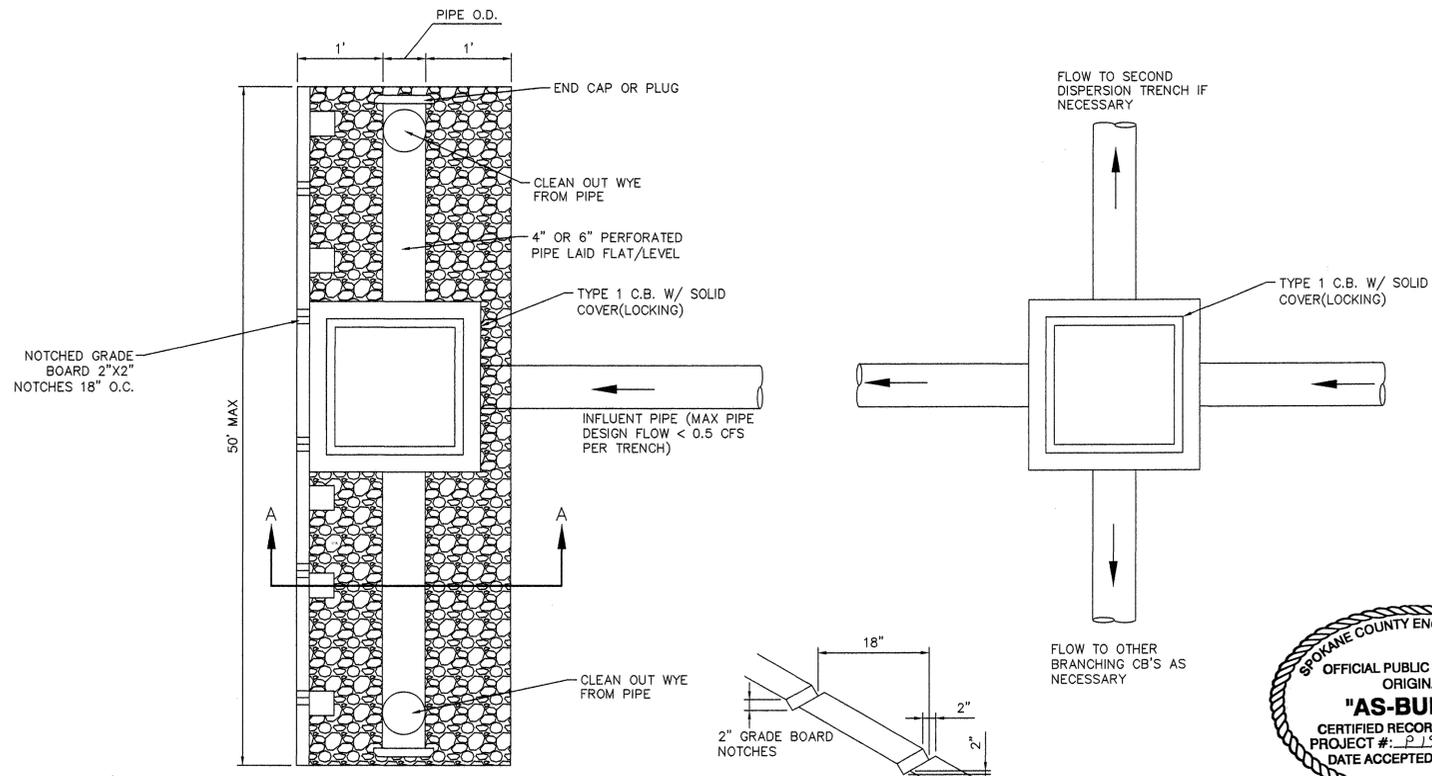
RECORD DRAWING



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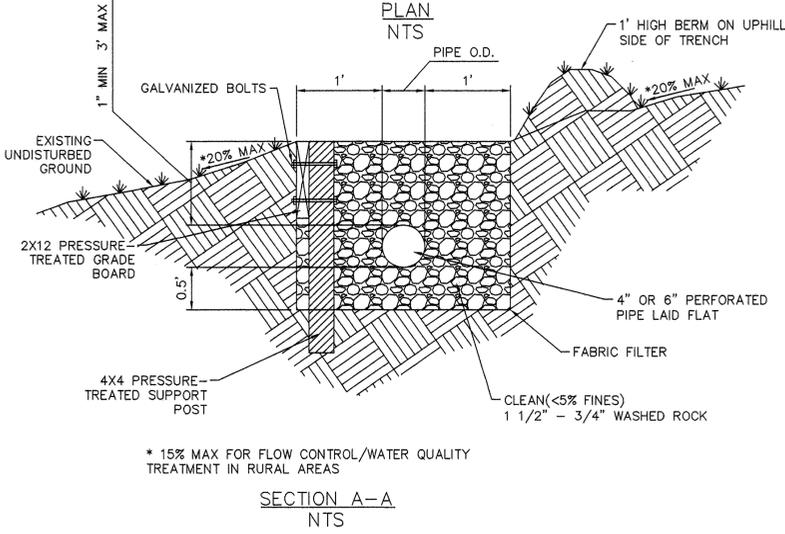
STREET AND STORM DRAINAGE
CONSTRUCTION PLANS
LUNNEBORG ESTATES
NORTH FORKER RD. & EAST LINCOLN RD.
SPOKANE COUNTY, WA



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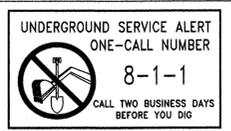


- NOTES:**
1. THIS TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
 2. TRENCHES MAY BE PLACED NO CLOSER THAN 50' TO ONE ANOTHER (100 FEET ALONG FLOWLINE).
 3. TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS ON SITE. SEE PLAN FOR GRADE BOARD ELEVATION.
 4. SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL.



DISPERSION TRENCH
NOT TO SCALE

1



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GRADING & DRAINAGE DETAILS

DESCRIPTION: COUNTY SUBMITTAL
RECORD DRAWING 11/20/08
by ALLWEST TESTING & ENGINEERING

DATE: 09/14/08

PROJECT #: 07-0010
DRAWN BY: LMC
DESIGNED BY: MEU
CHECKED BY: MLK

SHEET 9

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