

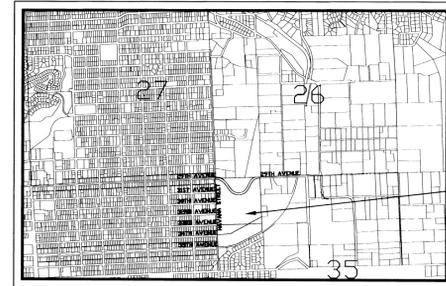
# SOUTHRIDGE P.U.D., PHASE 2B



## GENERAL NOTES

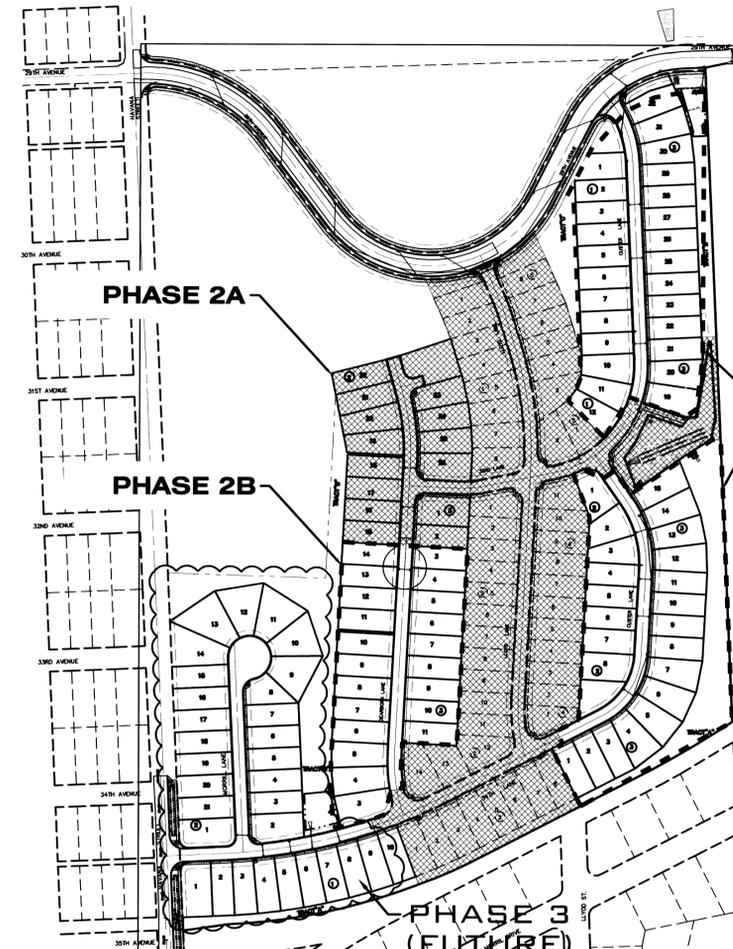
- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE SPOKANE COUNTY REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE SPOKANE COUNTY INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE SPOKANE COUNTY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH SPOKANE COUNTY AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, 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.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 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.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY SPOKANE COUNTY, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH SPOKANE COUNTY.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY SPOKANE COUNTY.
- BASED ON REQUIREMENTS FROM SPOKANE COUNTY, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE SPOKANE COUNTY ENGINEER.
- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF THE SPOKANE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.
- 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, FLOOD PLAINS, DESIGNATED DRAINAGE WAYS, ETC.

## COVER SHEET STREET AND DRAINAGE PLANS SEC. 35, T.25 N., R.43 E.W.M. SPOKANE COUNTY, WASHINGTON



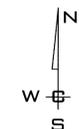
PROJECT SITE

## VICINITY MAP



PHASE 2B

SITE PLAN  
1" = 200'



| EXISTING                  | GENERAL                   | PROPOSED |
|---------------------------|---------------------------|----------|
| ROADWAY CENTER LINE       | ROADWAY CENTER LINE       |          |
| RIGHT OF WAY LINE         | RIGHT OF WAY LINE         |          |
| PROPERTY LINE             | PROPERTY LINE             |          |
| EASEMENT LINE             | EASEMENT LINE             |          |
| FENCE                     | FENCE                     |          |
| CURB                      | CURB                      |          |
| PAVEMENT                  | PAVEMENT                  |          |
| GRAVEL                    | GRAVEL                    |          |
| CONCRETE                  | CONCRETE                  |          |
| BUILDINGS & STRUCTURES    | BUILDINGS & STRUCTURES    |          |
| MONUMENT                  | MONUMENT                  |          |
| <b>SANITARY SEWER</b>     |                           |          |
| SANITARY SEWER            | SANITARY SEWER            |          |
| MANHOLE                   | MANHOLE                   |          |
| CLEANOUT                  | CLEANOUT                  |          |
| SEWER SERVICE             | SEWER SERVICE             |          |
| <b>WATER</b>              |                           |          |
| WATER LINE                | WATER LINE                |          |
| VALVE                     | VALVE                     |          |
| FIRE HYDRANT              | FIRE HYDRANT              |          |
| SERVICE                   | SERVICE                   |          |
| METER                     | METER                     |          |
| BLOWOFF                   | BLOWOFF                   |          |
| AIR VACUUM RELIEF STATION | AIR VACUUM RELIEF STATION |          |
| <b>STORM DRAINAGE</b>     |                           |          |
| DRAINAGE LINE             | DRAINAGE LINE             |          |
| MANHOLE                   | MANHOLE                   |          |
| DRYWELL                   | DRYWELL                   |          |
| CATCH BASIN               | CATCH BASIN               |          |
| DITCH                     | DITCH                     |          |
| <b>NATURAL GAS</b>        |                           |          |
| GAS LINE                  | GAS LINE                  |          |
| VALVE                     | VALVE                     |          |
| METER                     | METER                     |          |
| <b>TELEPHONE-POWER</b>    |                           |          |
| BURIED TELEPHONE          | BURIED TELEPHONE          |          |
| POWER OR TELEPHONE POLE   | POWER OR TELEPHONE POLE   |          |
| BURIED POWER              | BURIED POWER              |          |
| TRANSFORMER PAD           | TRANSFORMER PAD           |          |
| TELEPHONE RISER           | TELEPHONE RISER           |          |
| TELEPHONE VAULT           | TELEPHONE VAULT           |          |
| OVERHEAD POWER            | OVERHEAD POWER            |          |
| GUY ANCHOR                | GUY ANCHOR                |          |
| POWER VAULT               | POWER VAULT               |          |
| LIGHT POLE                | LIGHT POLE                |          |

## ABBREVIATIONS

|                                     |                                  |                                  |
|-------------------------------------|----------------------------------|----------------------------------|
| ACT. LEN. .... ACTUAL LENGTH        | GB ..... GRADE BREAK             | PRC ..... POINT OF REVERSE CURVE |
| BDY ..... BEGINNING OF CURVE RADIUS | FT/FT ..... FEET PER FOOT        | PT ..... POINT OF TANGENCY       |
| BDRY. .... BOUNDARY                 | HYD. .... HYDRANT                | RIM EL ..... RIM ELEVATION       |
| CO ..... SEWER CLEANOUT             | I.E. .... INVERT ELEVATION       | RD ..... ROAD                    |
| CSTC ..... CRUSHED SURFACE          | LN. .... LANE                    | RT. .... RIGHT                   |
| CT ..... COURT                      | LT. .... LEFT                    | SI ..... STREET INTERSECTION     |
| DIA ..... DIAMETER                  | MH ..... MANHOLE                 | SS ..... SANITARY SEWER          |
| EOR ..... END OF CURVE RADIUS       | MCR ..... MIDDLE OF CURVE RADIUS | STA. .... STATION                |
| EXIST. .... EXISTING                | PC ..... POINT OF CURVATURE      | STA. LEN. .... STATION LENGTH    |
| G ..... GRADE                       | PET ..... PETROLEUM              | TC ..... TOP OF GRATE            |
|                                     | PI ..... POINT OF INTERSECTION   | TC ..... TOP OF CURB             |

## INDEX TO PLAN SHEETS

|  |  |
|--|--|
| SHEET NO. 1 COVER                        | SHEET NO. 8 29TH AVENUE                  |
| SHEET NO. 2 GRADING PLAN                 | SHEET NO. 9 29TH AVENUE                  |
| SHEET NO. 3 GRADING PLAN                 | SHEET NO. 10 29TH AVENUE - STRIPING PLAN |
| SHEET NO. 4 DETAILS & INTERSECTION PLANS | SHEET NO. 11 29TH AVENUE - STRIPING PLAN |
| SHEET NO. 5 DEARBORN LANE                | SHEET NO. 12 POND DETAILS                |
| SHEET NO. 6 CUSTER LANE                  | SHEET NO. 13 EROSION CONTROL PLAN        |
| SHEET NO. 7 CUSTER LANE                  | SHEET NO. 14 EROSION CONTROL DETAILS     |



THESE PLANS FOR SOUTHRIDGE PHASE 2 (P1938A) ARE BEING RE-APPROVED FOR THE CONSTRUCTION OF PHASE 2B, SOUTHRIDGE P.U.D.-1ST ADDITION AS A PHASE OF THE OVERALL SOUTHRIDGE PHASE 2

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT # P-1938B  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES: PUBLIC: 0  
PROJECT LANE MILES PRIVATE: 0  
CONSTRUCTION DOCUMENTATION AND CERTIFIED - 78  
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



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.

## STREETS

SPOKANE COUNTY ENGINEERS  
1026 WEST BROADWAY AVENUE  
SPOKANE, WASHINGTON 99260  
PHONE: 509-477-3600  
FAX: 509-477-7478  
CONTACT: MATT ZARECOR, P.E.

## SEWER

CITY OF SPOKANE  
808 W. SPOKANE FALLS BLVD.  
SPOKANE, WASHINGTON 99201  
PHONE: 509-625-6300  
FAX: 509-625-6700  
CONTACT: KRIS BECKER, P.E.

## WATER PURVEYOR

CITY OF SPOKANE  
914 N. Foothills  
SPOKANE, WASHINGTON 99207  
PHONE: 509-625-7800  
FAX: 509-625-7816  
CONTACT: CHRIS PETERSCHMIDT, P.E.

## INSPECTION/STREETS

ALLWEST  
EAST 12928 INDIANA AVENUE  
SPOKANE VALLEY, WA 99036  
PHONE: 509-534-4411  
FAX: 509-534-9326  
CONTACT: PAUL T. NELSON, P.E.

## FIRE DEPARTMENT

FIRE DISTRICT NO. 8  
12100 E. PALOUSE HIGHWAY  
VALLEYFORD, WA 99036  
PHONE: 509-926-6699  
FAX: 509-924-8358  
CONTACT: LONNIE RASH

## TELEPHONE

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

## NATURAL GAS

AVISTA UTILITIES  
1411 EAST MISSION AVENUE  
SPOKANE, WA 99220  
PHONE: 509-495-8010  
FAX: 509-495-8713  
CONTACT: NICOLA BROBRICK

## SURVEYOR

CLIFF CAMERON  
P.O. BOX 641  
COLBERT, WASHINGTON 99005  
PHONE: 509-467-0148  
CONTACT: CLIFFORD E. CAMERON, P.L.S.

## CABLE

COMCAST BROADBAND  
1717 EAST BUCKEYE  
SPOKANE, WASHINGTON, 99207  
PHONE: 509-755-4714  
FAX: 509-483-9261  
CONTACT: BRYAN RICHARDSON

## POWER

AVISTA UTILITIES  
1411 EAST MISSION AVENUE  
SPOKANE VALLEY, WA 99216  
PHONE: 509-495-4889  
FAX: 509-777-5236  
CONTACT: KELLY DONAHUE

## ENGINEER

WHIPPLE CONSULTING ENGINEERS  
2528 NORTH SULLIVAN ROAD  
SPOKANE VALLEY, WA 99216  
PHONE: 509-893-2617  
FAX: 509-926-0227  
CONTACT: TODD R. WHIPPLE, P.E.

## SOLID WASTE

WASTE MANAGEMENT  
PHONE: 509-466-3400

## OWNER

LANZCE DOUGLASS, INC  
1402 E. MAGNESIUM ROAD  
SPOKANE, WA 99217  
PHONE: 509-483-4966  
FAX: 509-483-6532  
CONTACT: LANZCE DOUGLASS

## COUNTY DATUM

MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/L OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL

DATE

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

## SCALE:

HORIZONTAL:  
AS SHOWN  
VERTICAL:  
N.A.

PROJ #: 2005-175

DATE: 09/29/08

DRAWN: MEK

APPROVED: TRW



WHIPPLE CONSULTING ENGINEERS  
CIVIL AND TRANSPORTATION ENGINEERING  
2528 NORTH SULLIVAN ROAD  
SPOKANE VALLEY, WA 99216  
PH: 509-893-2617 FAX: 509-926-0227

P-1938

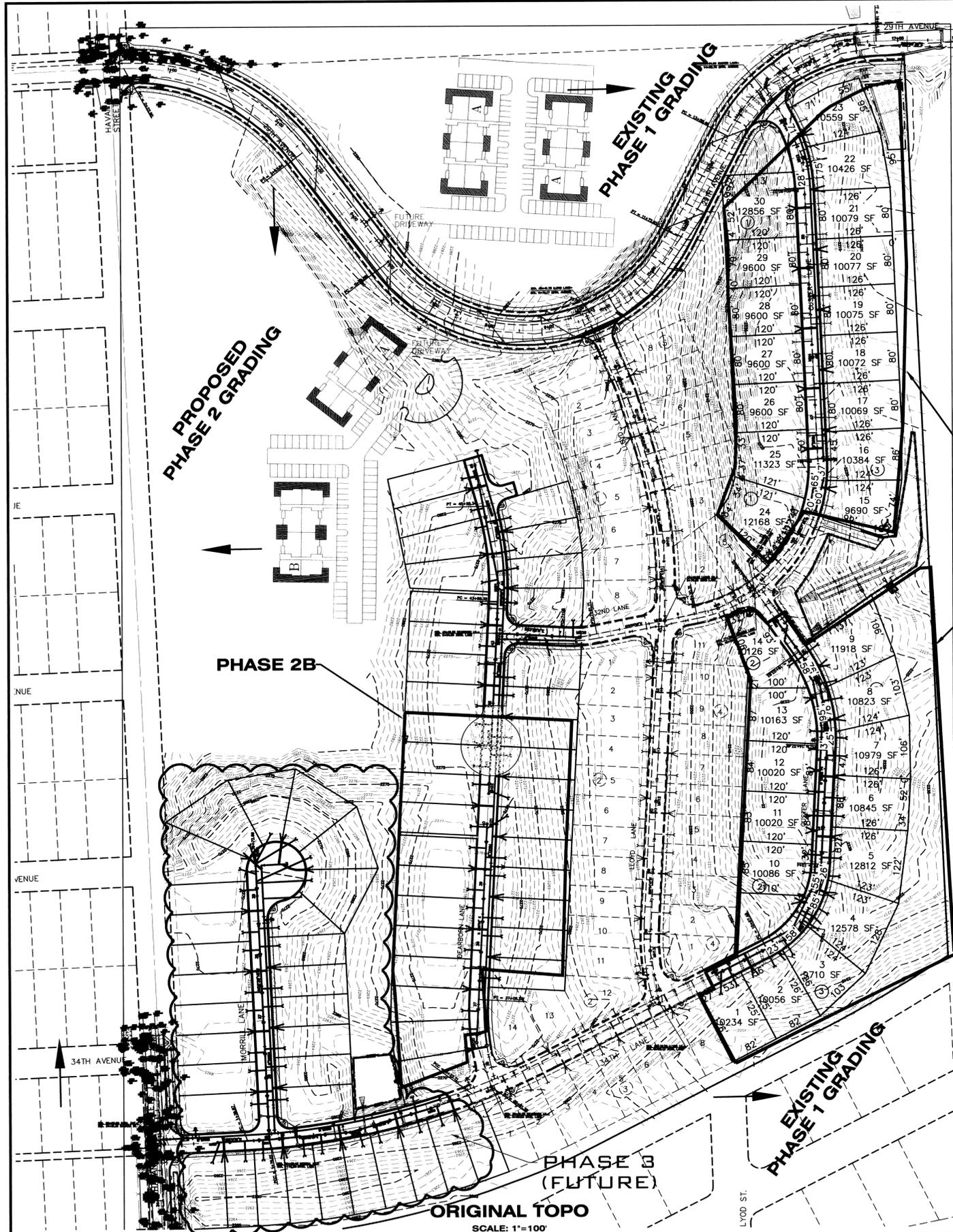
STREET AND DRAINAGE PLANS  
**SOUTHRIDGE P.U.D. PHASE 2B**  
COVER SHEET  
HAVANA STREET AND 29TH AVENUE  
SPOKANE COUNTY, WASHINGTON

SHEET

1 OF 14

JOB NUMBER

2005-175



PHASE 2B

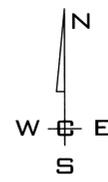
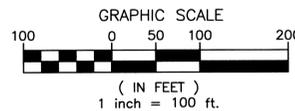
PROPOSED PHASE 2 GRADING

EXISTING PHASE 1 GRADING

EXISTING PHASE 1 GRADING

PHASE 3 (FUTURE)

ORIGINAL TOPO  
SCALE: 1"=100'



SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT #: P-1938B  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES: PUBLIC: 0  
PROJECT LANE MILES PRIVATE: 0  
CONSTRUCTION DOCUMENTATION AND CERTIFIED: 75  
RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE PERMIT REQUIRED! (509) 477-5600  
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



COUNTY DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/L OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

PROJ #: 2005-175  
DATE: 10/06/08  
DRAWN: MEK  
APPROVED: TRW

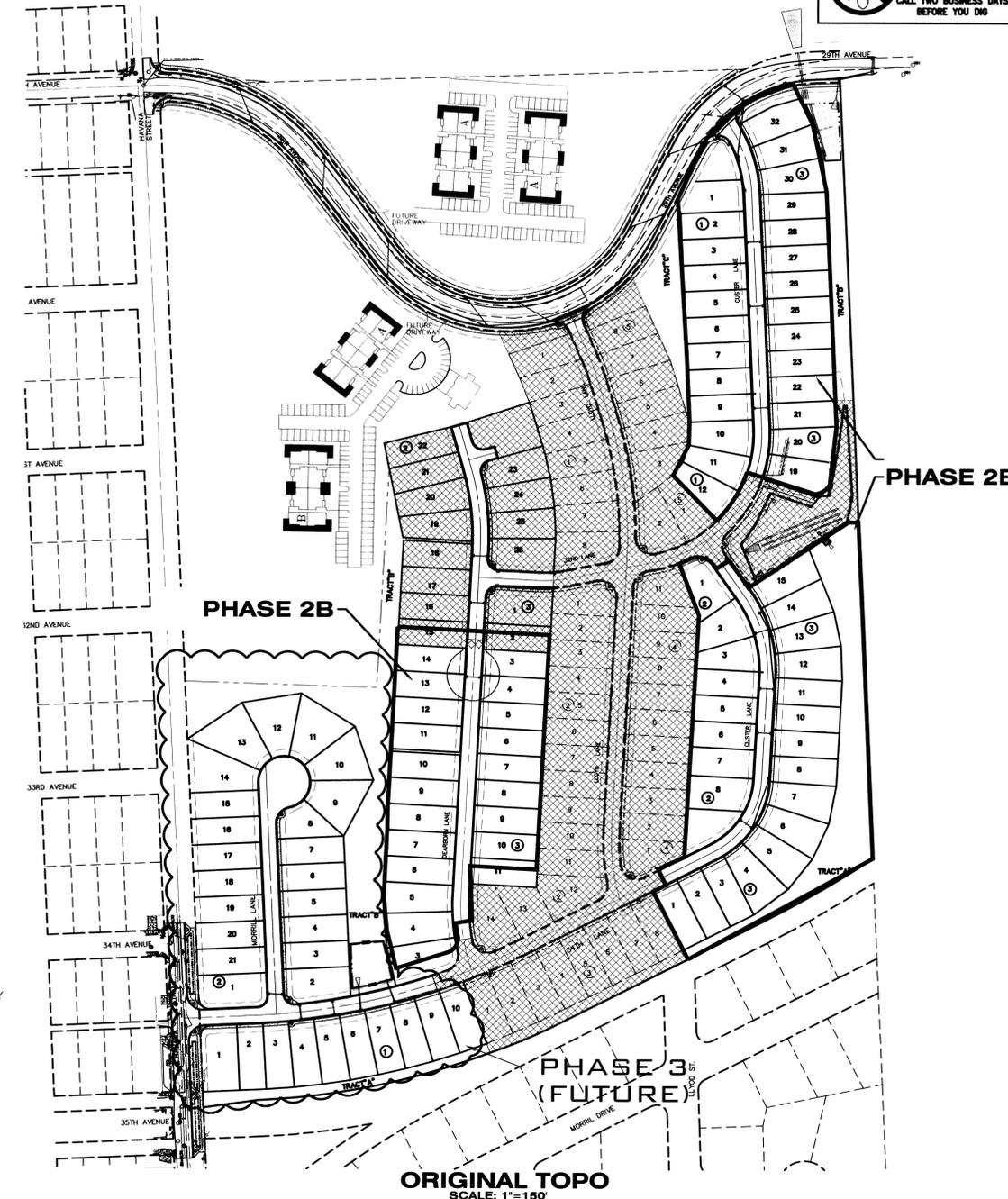
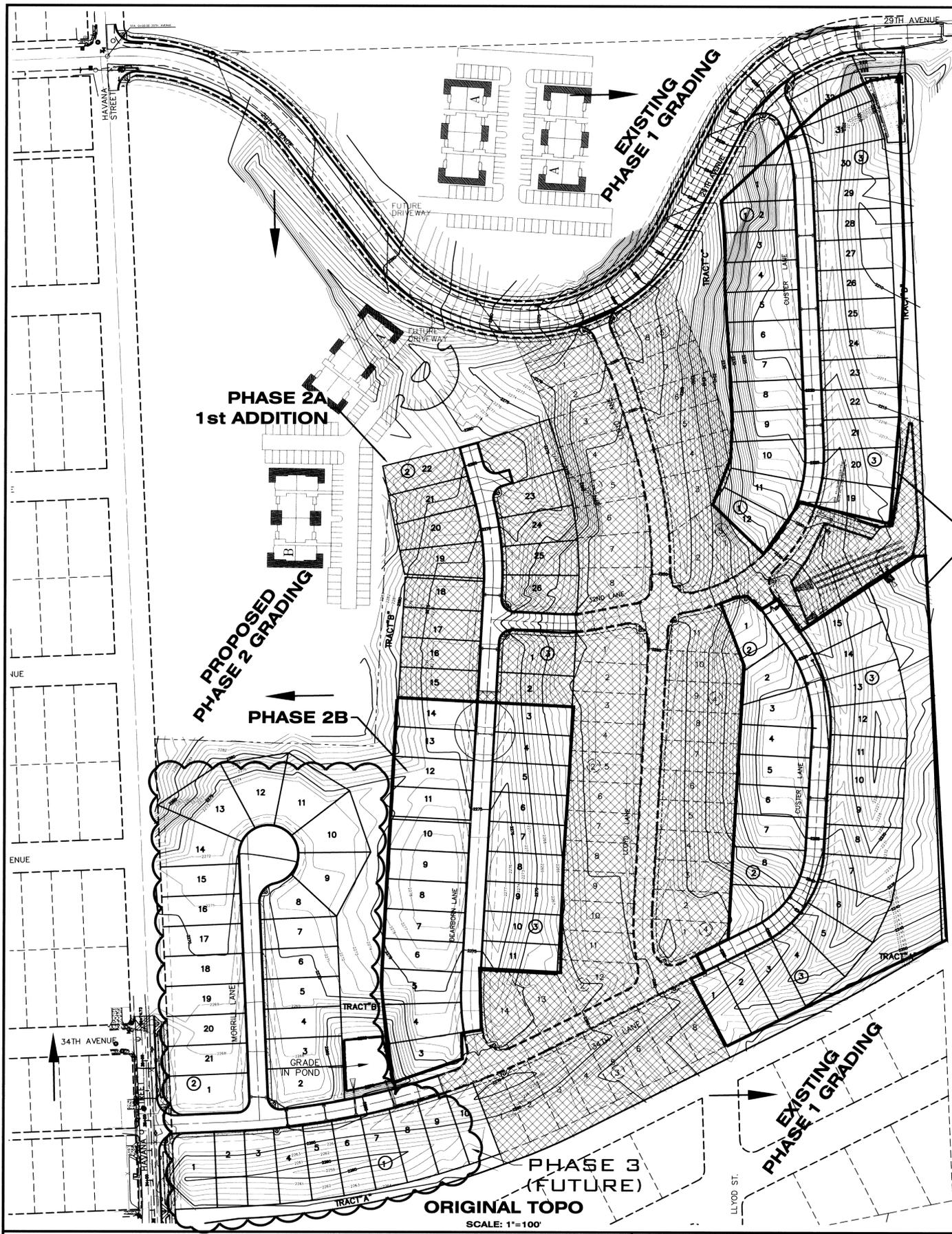


P-1938  
**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**GRADING PLAN**  
**HAVANA STREET AND 29TH AVENUE**  
**SPOKANE COUNTY, WASHINGTON**

SHEET  
2 OF 14  
JOB NUMBER  
2005-175

SECTION 35, T. 25 N., R. 43 E., W.M.

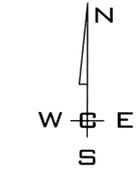
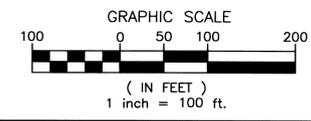
**UNDERGROUND SERVICE ALERT**  
 ONE-CALL NUMBER  
 1-800-424-5555  
 CALL TWO BUSINESS DAYS BEFORE YOU DIG



■ ■ ■ ■ ■ PHASE 2B BOUNDARY  
 ▨ PHASE 1 AND 2A

THESE PLANS FOR SOUTHRIDGE PHASE 2 (P1938A) ARE BEING RE-APPROVED FOR THE CONSTRUCTION OF PHASE 2B, SOUTHRIDGE P.U.D.-1ST ADDITION AS A PHASE OF THE OVERALL SOUTHRIDGE PHASE 2

**QUANTITIES:**  
 CUT: 102,680 CY  
 FILL: 100,568 CY  
 NET CUT: 2,112 CY



P-1938

SPOKANE COUNTY PUBLIC WORKS  
 OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
 PROJECT # P-1938B  
 DATE ACCEPTED: 02-07-17  
 ACCEPTANCE EXPIRES: 02-07-19  
 PROJECTS LANE MILES: PUBLIC: 0  
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**COUNTY DATUM**  
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DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

**PROJ #:** 2005-175  
**DATE:** 10/06/08  
**DRAWN:** MEK  
**APPROVED:** TRW

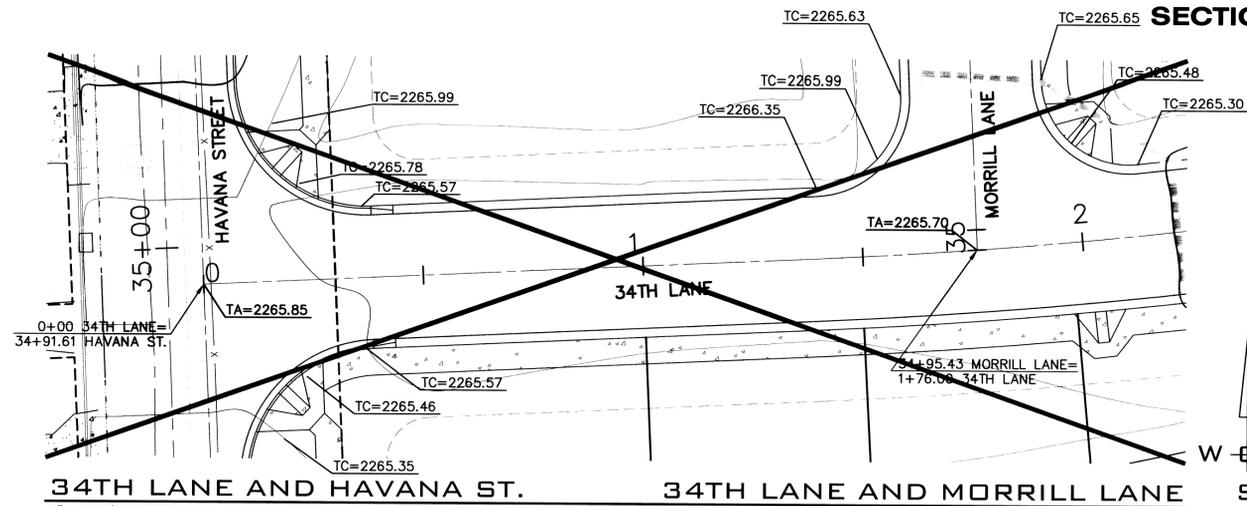
**WCE**  
 WHIPPLE CONSULTING ENGINEERS  
 CIVIL AND TRANSPORTATION ENGINEERING  
 2528 NORTH SULLIVAN ROAD  
 SPOKANE VALLEY, WA 99216  
 PH: 509-893-2617 FAX: 509-926-0227

**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**GRADING PLAN**  
**HAVANA STREET AND 29TH AVENUE**  
**SPOKANE COUNTY, WASHINGTON**

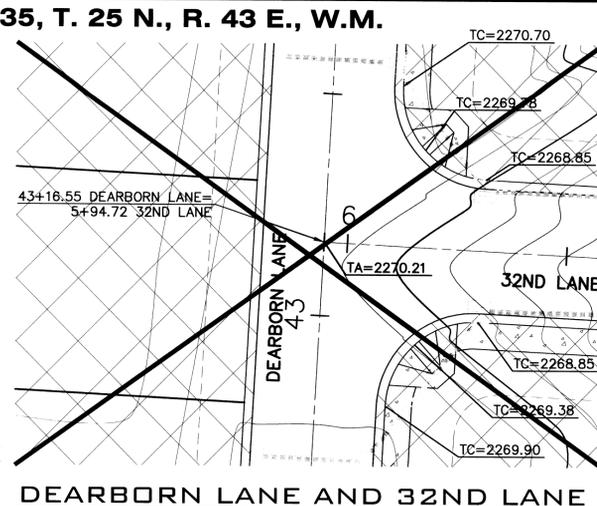
**SHEET 3 OF 14**  
 JOB NUMBER 2005-175

SECTION 35, T. 25 N., R. 43 E., W.M.

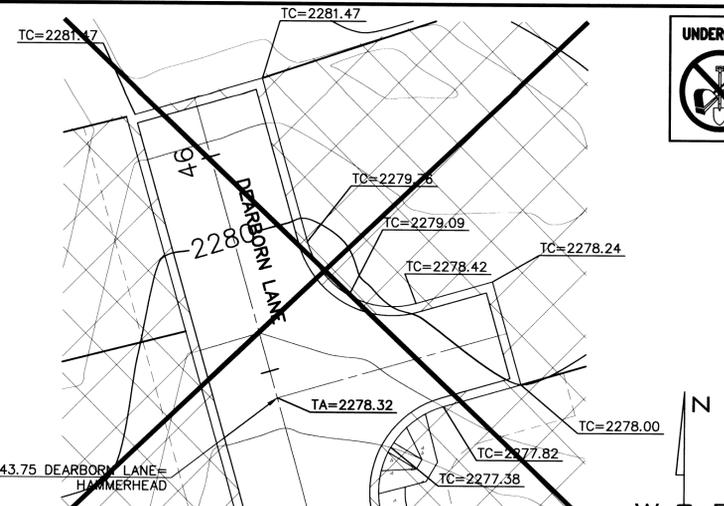
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ONE-CALL NUMBER  
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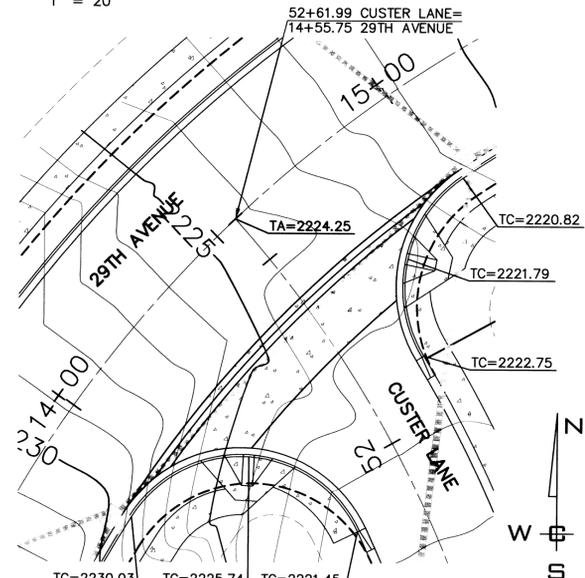
34TH LANE AND HAVANA ST. 34TH LANE AND MORRILL LANE  
1" = 20'



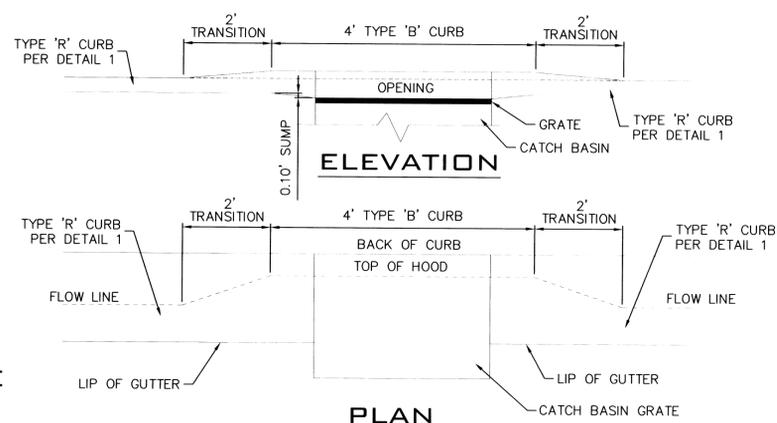
DEARBORN LANE AND 32ND LANE  
1" = 20'



DEARBORN LANE HAMMERHEAD  
1" = 20'



29TH AVE. AND CUSTER LANE  
1" = 20'



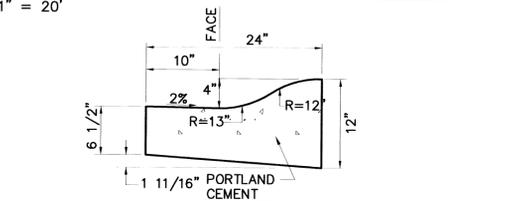
CURB & CATCH BASIN TRANSITION DETAIL (3)  
NOT TO SCALE

STANDARD NOTES FOR CONSTRUCTION PLANS

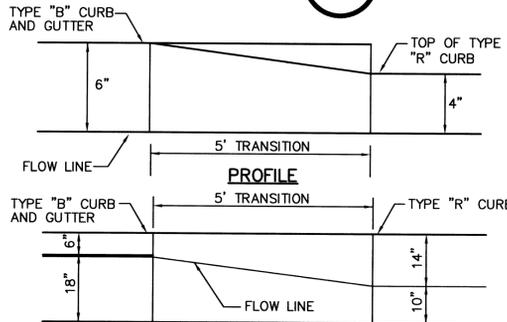
- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED.
- LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
- 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.
- 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 DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.
- PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
- FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES 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.
- THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT 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.
- THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

STORM DRAINAGE NOTES

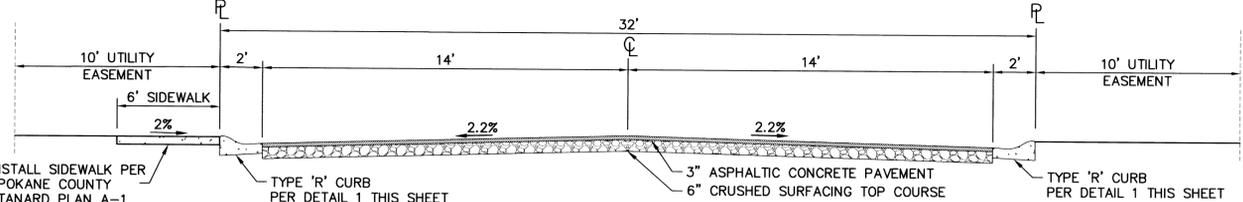
- SEE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND LOCATIONS.
- SWALES SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD, AND DRYWELL INSTALLATION. ALL SWALES WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY SWALE IRRIGATION SYSTEM GUIDELINES.
- ALL "208" SWALES SHOWN SHALL BE ROUGH GRADED PRIOR TO PAVING OF ADJACENT ROADWAY.
- CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH RECORD DRAWINGS OF IRRIGATION PLANS UPON COMPLETION OF ALL SWALE CONSTRUCTION.
- INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (2001 EDITION) BETWEEN NATIVE SOIL AND GRAVEL ONLY SHEET B-1g FOR INSTALLATION LOCATIONS.
- ALL SWALES 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 SWALE GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE SWALES FOLLOWING THE ROAD PAVING WORK.
- 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.
- ALL LANDSCAPE AREAS ("208" SWALES) ARE TO BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM INSTALLED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTEE). AN APPROVED BACKFLOW DEVICE SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SUPPLY, CURBING, PAVING, ETC.
- SLEEVING:** PROVIDE SLEEVING AS REQUIRED UNDER SIDEWALKS, PATHS, NEEDED FOR IRRIGATION ACCESS. ALL SLEEVING TO BE 4" PVC WITH AT LEAST 12" OF COVER (1) FOOT BELOW FINISH GRADE. THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVING BEFORE CURBING, SIDEWALKS, PAVING, ETC. IS INSTALLED, PATCH ASPHALT AS NEEDED.
- LAWN AREAS:** LAWN AREAS ARE TO BE IRRIGATED WITH TORO POP-UP HEADS OR EQUIVALENT. (TEST SYSTEM BEFORE BACKFILLING). ETC. TO PROVIDE UNIFORM
- ADJUSTMENT:** AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS, COVERAGE AND TO MINIMIZE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.
- WATER POWER SUPPLY:** THE OWNER/GENERAL CONTRACTOR IS TO SUPPLY WATER TAPS FOR HOOK-UP AND SUPPLY POWER FOR CONTROLLER.
- THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDE SLOPES OF THE SWALE UP TO THE G.P.A. OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE G.P.A. SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL G.P.A. SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.



TYPE "R" CURB (1)  
NOT TO SCALE



"B" TO "R" CURB TRANSITION DETAIL (2)  
NOT TO SCALE



TYPICAL CROSS SECTION - ALL INTERNAL ROADS (4)  
NOT TO SCALE

COUNTY DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/L OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

SCALE: HORIZONTAL: AS SHOWN VERTICAL: N.A.  
PROJ #: 2005-175  
DATE: 09/29/08  
DRAWN: MEK  
APPROVED: TRW

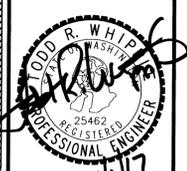
**IWCE**  
WHIPPLE CONSULTING ENGINEERS  
CIVIL AND TRANSPORTATION ENGINEERING  
2528 NORTH SULLIVAN ROAD  
SPOKANE VALLEY, WA 99216  
PH: 509-893-2617 FAX: 509-926-0227

P-1938

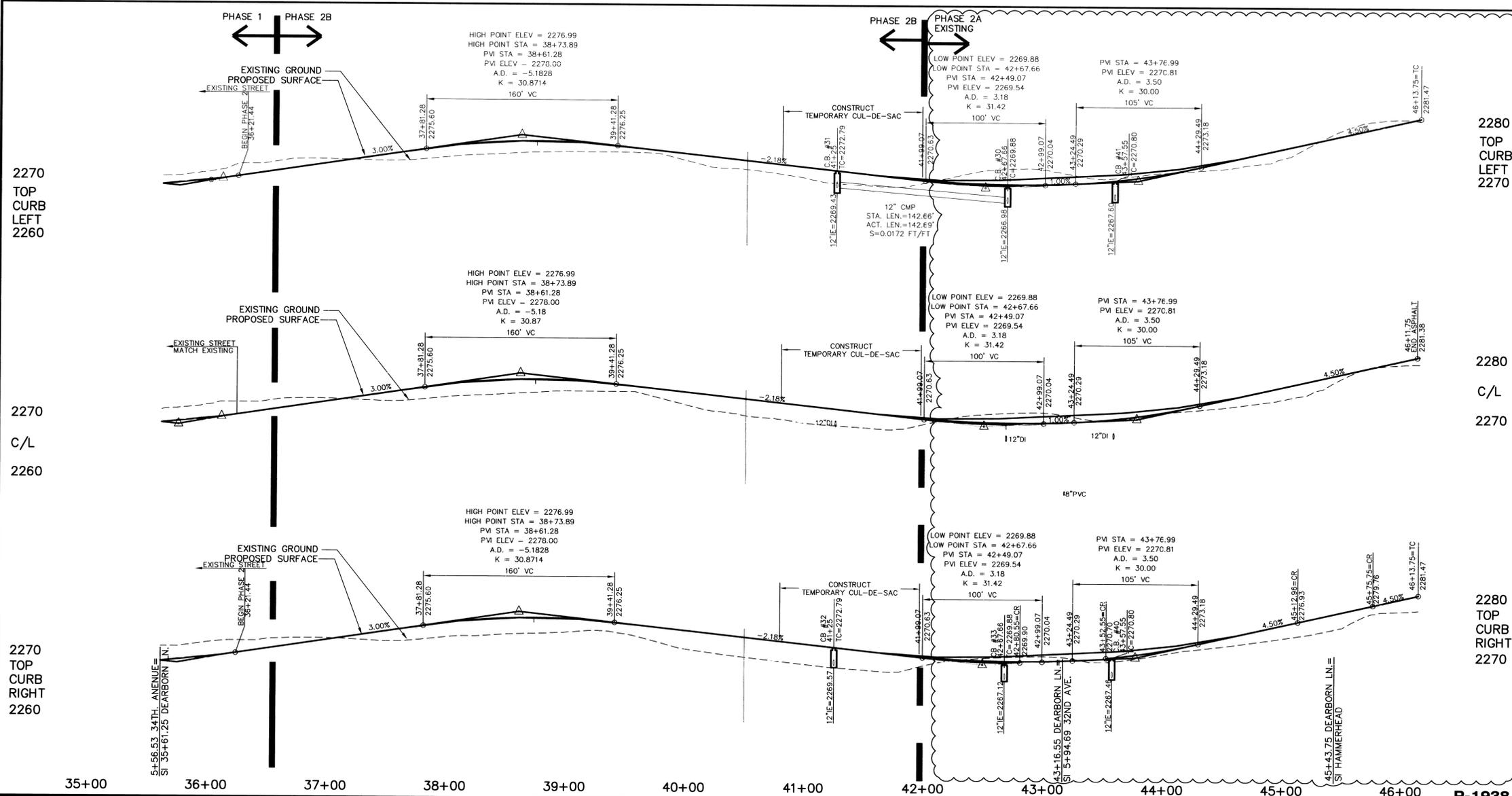
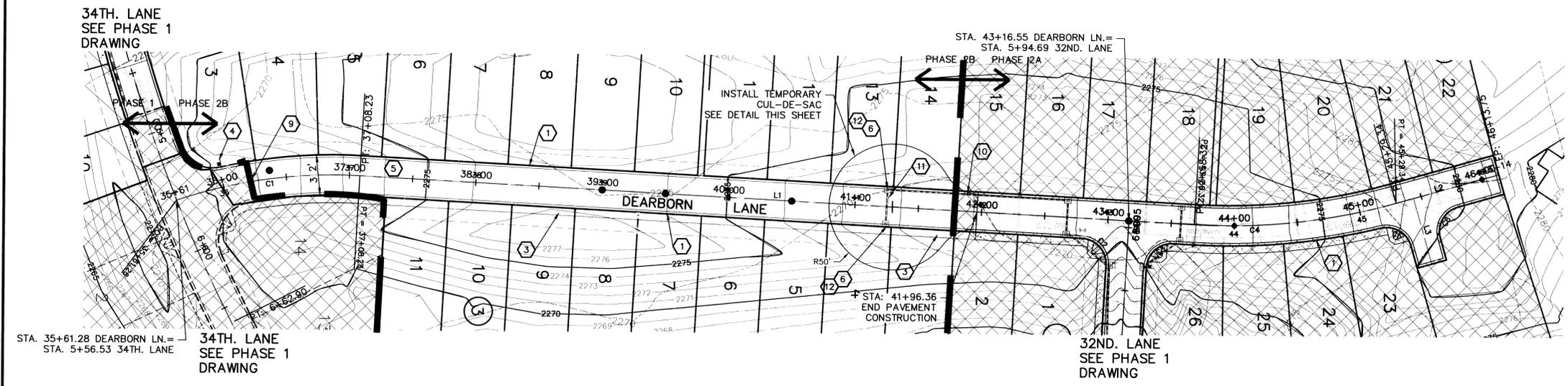
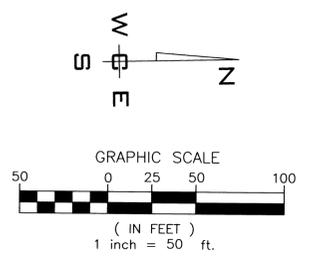
**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**DETAILS & INTERSECTION PLANS**  
**HAVANA STREET AND 29TH AVENUE**  
**SPOKANE COUNTY, WASHINGTON**

SHEET 4 OF 14  
JOB NUMBER 2005-175

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT #: P-1938B  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES: PUBLIC: 0  
PROJECT LANE MILES PRIVATE: 0  
CONSTRUCTION DOCUMENTATION AND CERTIFIED: 78  
RECORD DRAWINGS: "AS-BUILT" 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



SECTION 35, T. 25 N., R. 43 E., W.M.



CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL TYPE R CURB PER DETAIL 1, SHEET 3.
- 2 PROVIDE AND INSTALL DESIGN A CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
- 3 PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 4 PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
- 5 PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION SHEET 2.
- 6 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
- 7 PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS.
- 8 PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 9 SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
- 10 PROVIDE AND INSTALL 15" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
- 11 PROVIDE AND INSTALL 12" DI STORM PIPE PER SPOKANE COUNTY STANDARDS.
- 12 PROVIDE AND INSTALL SOLID TEMPORARY LID COVER AND ADJUSTMENT RINGS OVER CATCH BASIN

| LINE | LENGTH | BEARING       |
|------|--------|---------------|
| L1   | 660.08 | N 3'0"0" E    |
| L2   | 84.42  | N 15'56"39" W |
| L3   | 54.00  | N 74'3"21" E  |

| CURVE | LENGTH | RADIUS | TANGENT | CHORD  | DELTA     |
|-------|--------|--------|---------|--------|-----------|
| C1    | 146.95 | 384.00 | 74.39   | 146.06 | 21°55'36" |
| C2    | 31.42  | 20.00  | 20.00   | 28.28  | 90°00'00" |
| C3    | 31.42  | 20.00  | 20.00   | 28.28  | 90°00'00" |
| C4    | 161.02 | 487.00 | 81.25   | 160.29 | 18°56'39" |
| C5    | 30.74  | 20.00  | 19.34   | 27.80  | 88°04'26" |
| C6    | 31.42  | 20.00  | 20.00   | 28.28  | 90°00'00" |

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT # **P-1938-2B**  
DATE ACCEPTED: **02-07-17**  
ACCEPTANCE EXPIRES: **02-07-17**  
PROJECTS LANE MILES: PUBLIC: **0.1**  
PROJECT LANE MILES: PRIVATE: **0.0**  
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



COUNTY DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/L OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

PROJ #:  
2005-175  
DATE:  
09/29/08  
DRAWN:  
MEK  
APPROVED:  
TRW

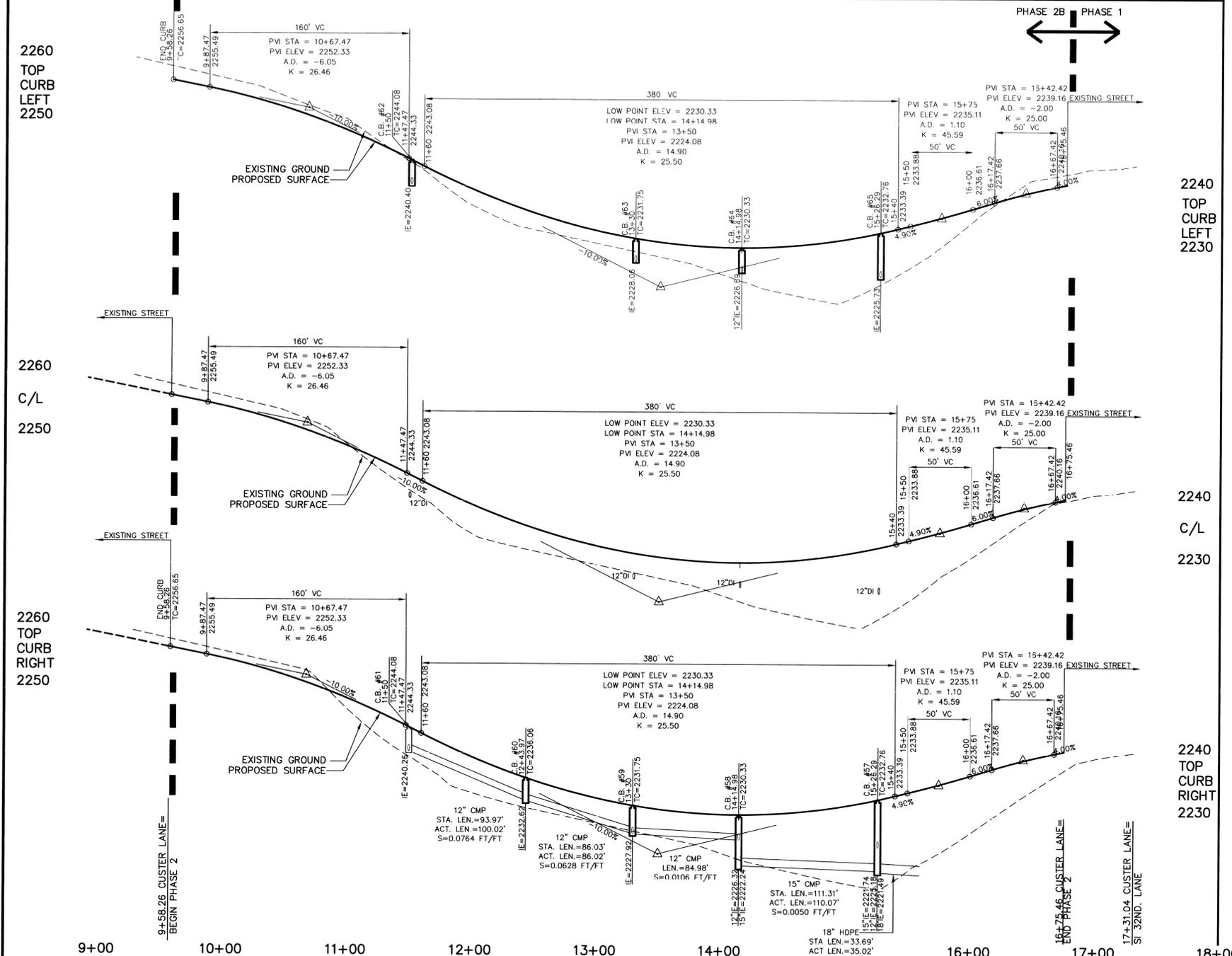
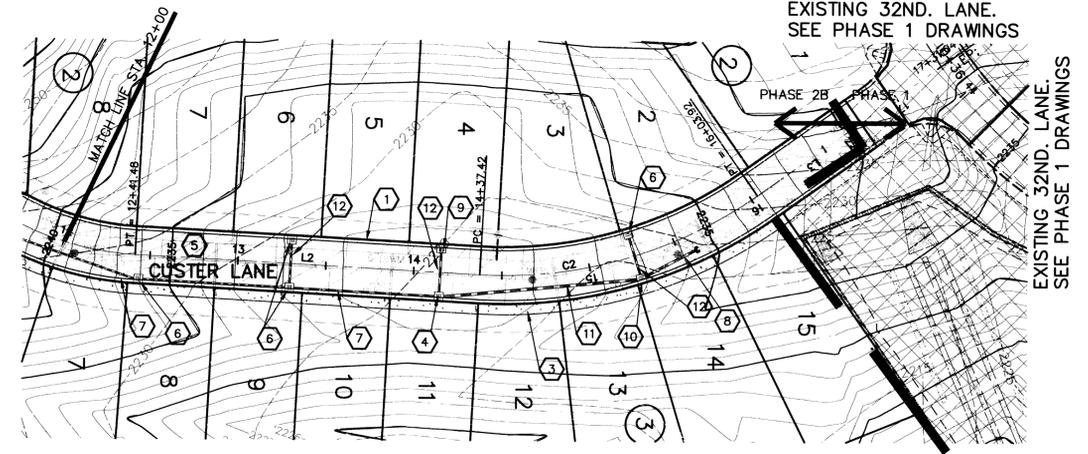
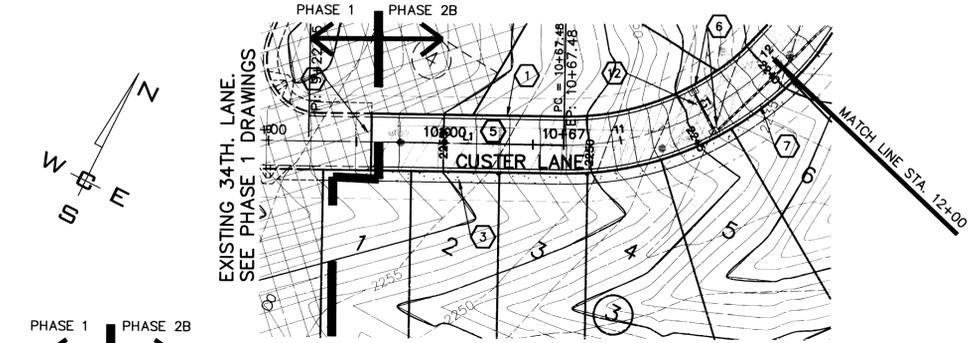


**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**DEARBORN LANE STA. 35+61.28 TO STA. 46+13.75**  
**SPOKANE COUNTY, WASHINGTON**

SHEET  
5 OF 14  
JOB NUMBER  
2005-175

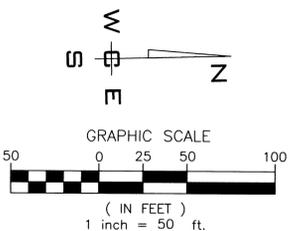
SECTION 35, T. 25 N., R. 43 E., W.M.

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



CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL TYPE R CURB PER DETAIL 1, SHEET 3.
- 2 SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
- 3 PROVIDE AND INSTALL 6' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 4 PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 5 PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 SHEET 3.
- 6 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
- 7 PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
- 8 PROVIDE AND INSTALL 18" HDPE STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
- 9 PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 10 PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME, TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 11 PROVIDE AND INSTALL 15" CMP STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
- 12 PROVIDE AND INSTALL 12" DI STORM PIPE PER SPOKANE COUNTY STANDARDS.



| LINE | LENGTH | BEARING      |
|------|--------|--------------|
| L1   | 109.22 | N 63°3'27" E |
| L2   | 195.94 | N 3°0'0" E   |
| L3   | 71.54  | N 35°9'51" W |

| CURVE | LENGTH | RADIUS | TANGENT | CHORD  | DELTA     |
|-------|--------|--------|---------|--------|-----------|
| C1    | 174.00 | 166.00 | 95.95   | 166.14 | 60°03'27" |
| C2    | 166.49 | 250.00 | 86.47   | 163.43 | 38°09'28" |

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT #: **P-1938B**  
DATE ACCEPTED: **02-07-17**  
ACCEPTANCE EXPIRES: **02-07-19**  
PROJECTS LANE MILES: PUBLIC: **0**  
PROJECT LANE MILES PRIVATE: **0**  
CONSTRUCTION DOCUMENTATION AND CERTIFIED - **28**  
RECORD DRAWINGS, "AS-BUILT" 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



COUNTY DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/O OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

PROJ #: 2005-175  
DATE: 09/29/08  
DRAWN: MEK  
APPROVED: TRW



P-1938

STREET AND DRAINAGE PLANS  
**SOUTHRIDGE P.U.D PHASE 2B**  
CUSTER LANE STA. 9+58.26 TO STA. 17+31.04  
SPOKANE COUNTY, WASHINGTON

SHEET  
**6 OF 14**  
JOB NUMBER  
**2005-175**

SECTION 35, T. 25 N., R. 43 E., W.M.

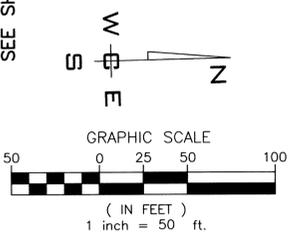
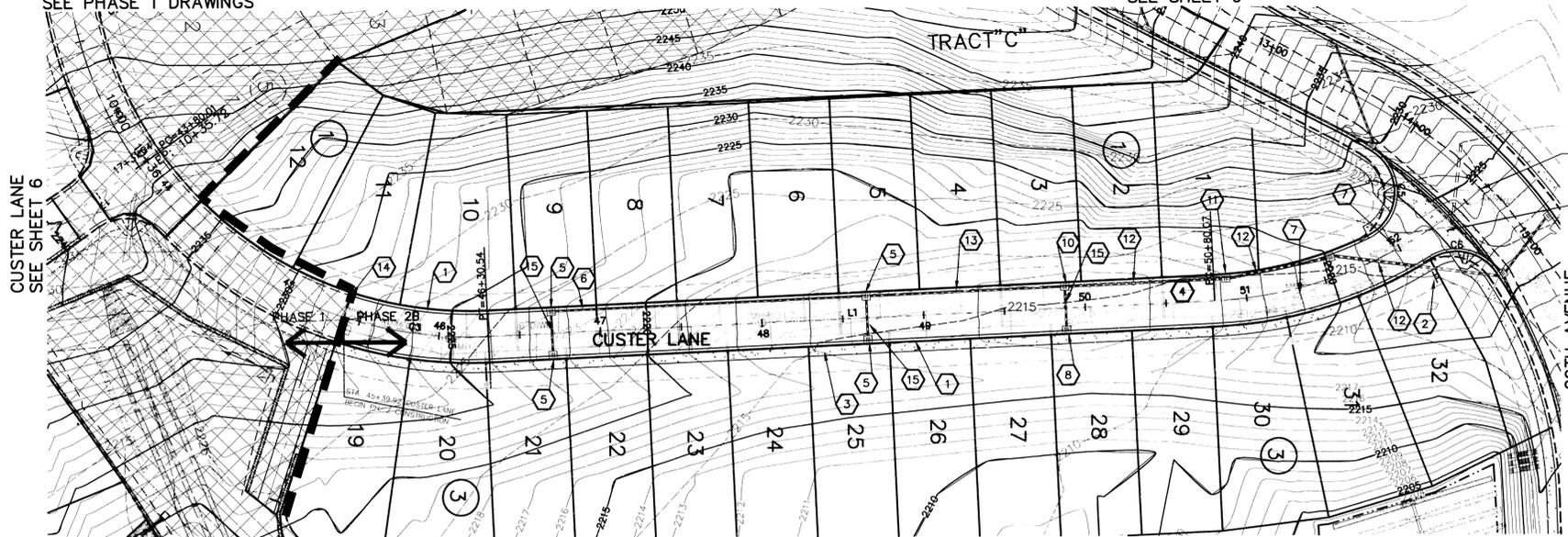


EXISTING CUSTER LANE  
SEE PHASE 1 DRAWINGS

29TH AVENUE  
SEE SHEET 9

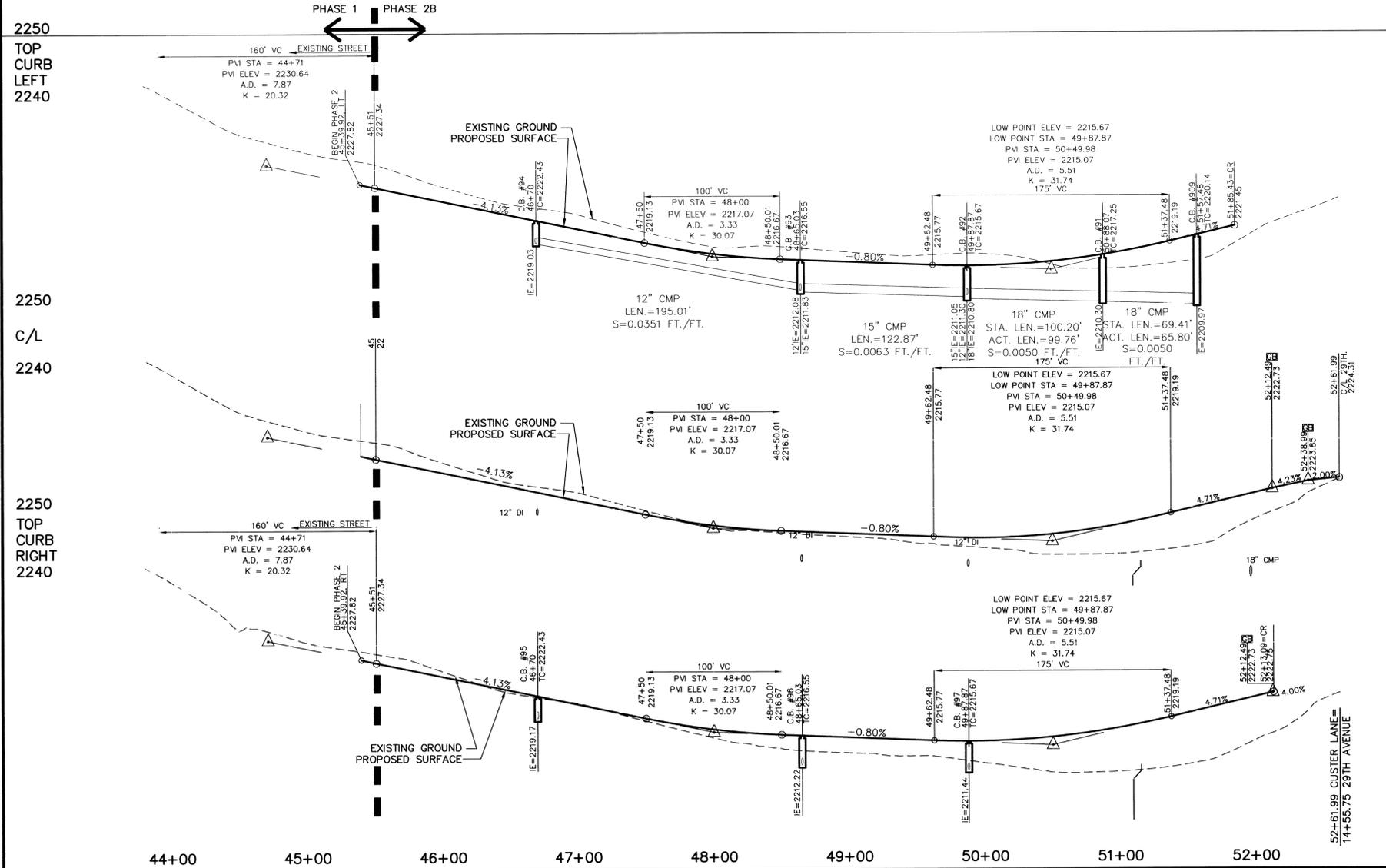
CUSTER LANE  
SEE SHEET 6

STA. 52+61.99 CUSTER LANE=  
STA. 14+55.75 29TH AVENUE



CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL TYPE R CURB PER DETAIL 1, SHEET 3.
- 2 PROVIDE AND INSTALL STREET SIGN PER SPOKANE COUNTY STANDARD PLAN A-16.
- 3 PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 4 PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND DETAIL 4 SHEET 3.
- 5 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
- 6 PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
- 7 ADJUST EXISTING SEWER MANHOLE RIMS FROM PHASE 1 TO MATCH PROPOSED GRADE.
- 8 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-11, AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
- 9 PROVIDE AND INSTALL TYPE 2 CROSS-GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
- 10 PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME; TYPE 2 FRAME AND HOOD, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-11 AND B-14. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 11 PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN B-10.20-00 WITH METAL FRAME; TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-10, AND B-12. SEE PROFILE FOR STATION, OFFSET AND ELEVATION INFORMATION.
- 12 PROVIDE AND INSTALL 18" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
- 13 PROVIDE AND INSTALL 15" CMP. STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
- 14 SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
- 15 PROVIDE AND INSTALL 12" DI STORM PIPE PER SPOKANE COUNTY STANDARDS.



2230  
TOP  
CURB  
LEFT  
2220

2230  
C/L  
2220

2230  
TOP  
CURB  
RIGHT  
2220

| LINE TABLE |        |              |
|------------|--------|--------------|
| LINE       | LENGTH | BEARING      |
| L1         | 449.53 | N 2°34'33" W |

| CURVE TABLE |        |        |         |        |            |
|-------------|--------|--------|---------|--------|------------|
| CURVE       | LENGTH | RADIUS | TANGENT | CHORD  | DELTA      |
| C1          | 174.00 | 166.00 | 95.95   | 166.14 | 60°3'27"   |
| C2          | 166.49 | 250.00 | 86.47   | 163.43 | 38°9'28"   |
| C3          | 90.62  | 250.00 | 45.81   | 90.12  | 20°46'7"   |
| C4          | 181.92 | 262.00 | 94.80   | 178.29 | 39°47'0"   |
| C5          | 63.75  | 30.00  | 53.85   | 52.42  | 121°45'33" |
| C6          | 46.03  | 30.00  | 28.93   | 41.65  | 87°55'0"   |

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT # P-1938  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES PUBLIC: 0.26  
PROJECT LANE MILES PRIVATE: 0.00  
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) 477-3600  
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



COUNTY DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MO 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT C/L OF HAVANA STREET  
AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_  
DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

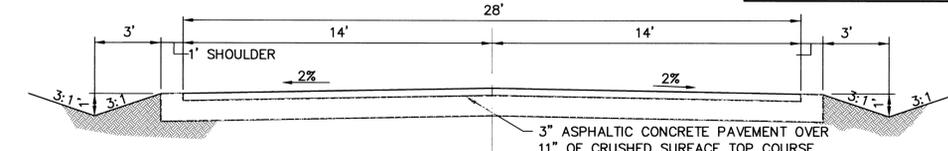
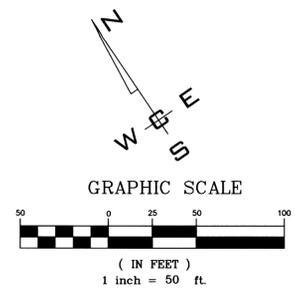
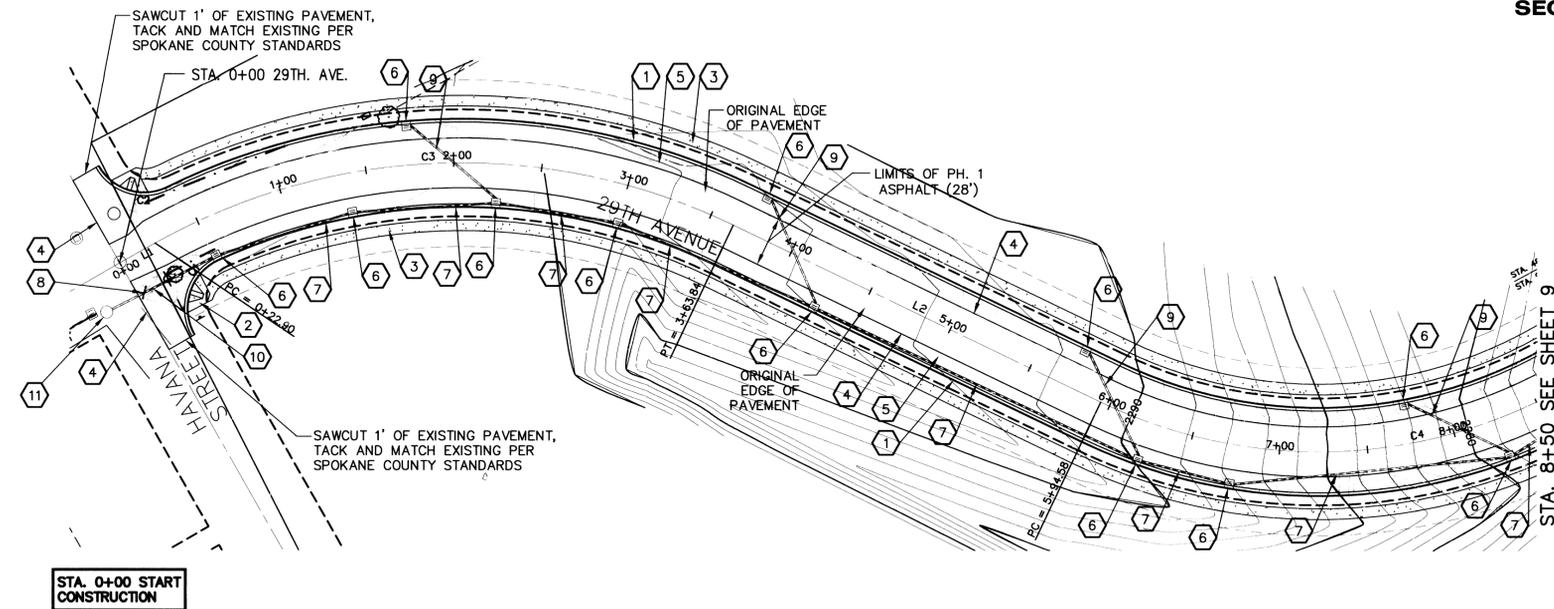
PROJ #: 2005-175  
DATE: 09/29/08  
DRAWN: MEK  
APPROVED: TRW



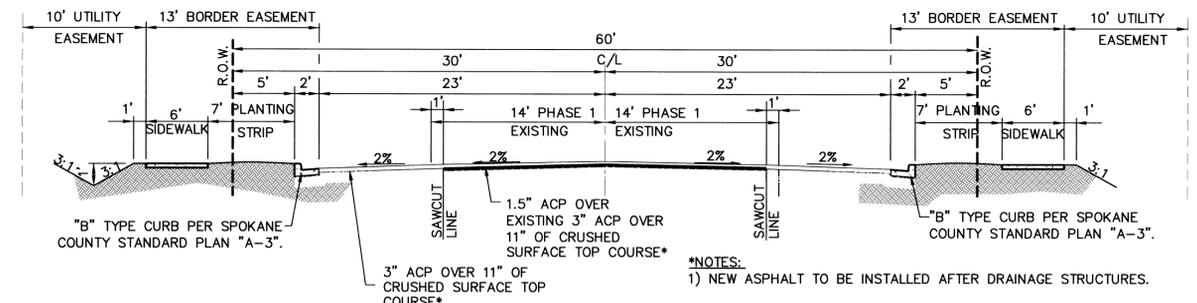
P-1938

**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**CUSTER LANE STA. 45+39.92 TO STA. 52+61.99**  
**SPOKANE COUNTY, WASHINGTON**

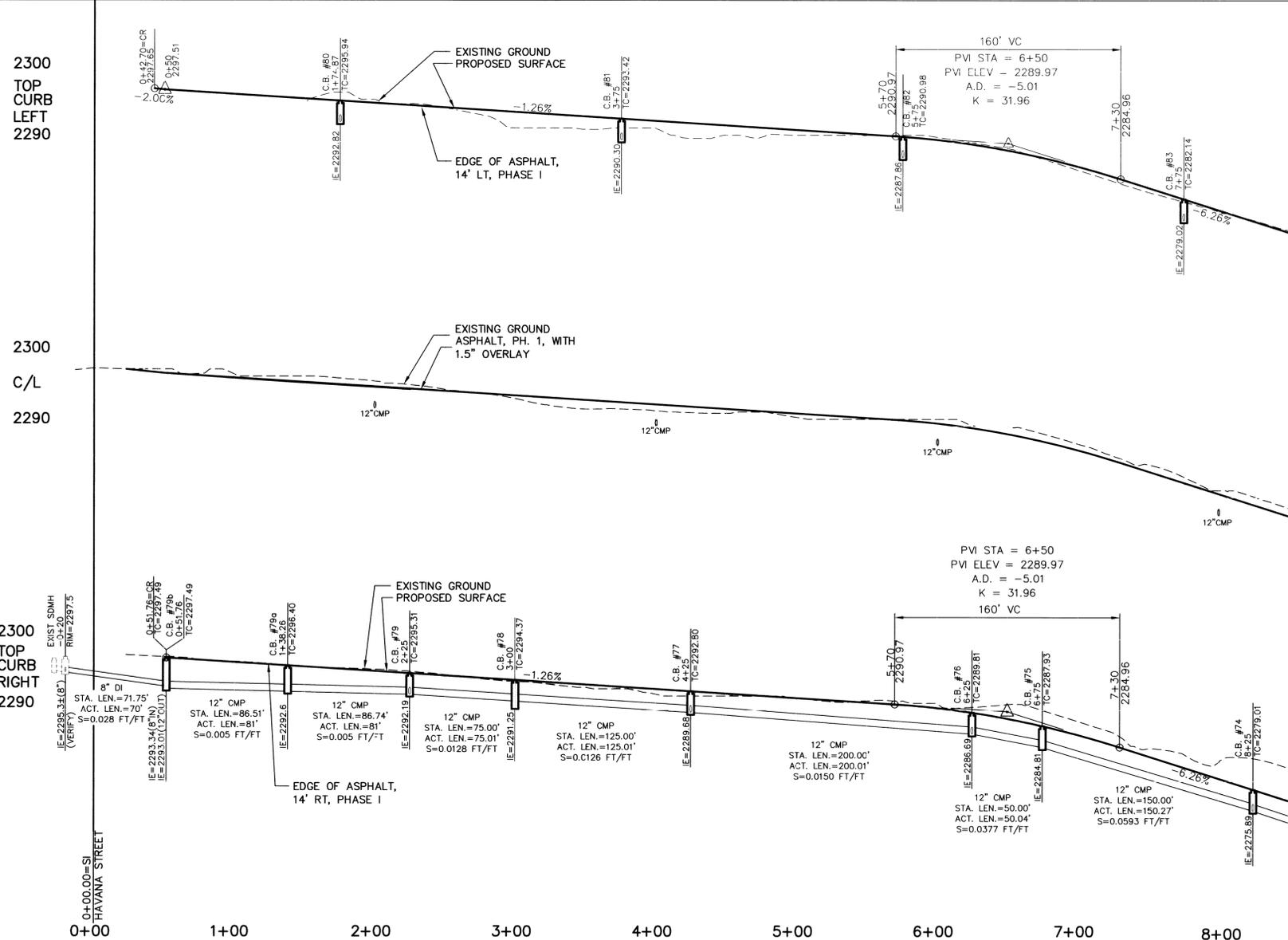
SHEET  
7 OF 14  
JOB NUMBER  
2005-175



**29TH AVENUE ROADWAY SECTION PHASE I**  
NOT TO SCALE STA. 0+00 TO STA. 10+15



**29TH AVENUE ROADWAY SECTION PHASE II**  
NOT TO SCALE STA. 0+00 TO STA. 10+15



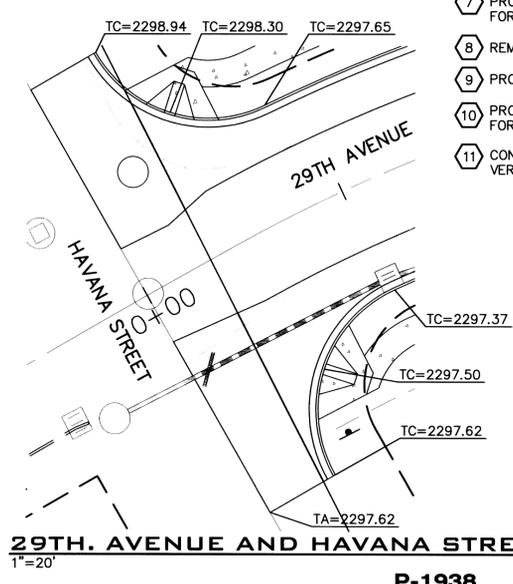
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2300 TOP CURB LEFT 2270  
2300 C/L 2290  
2280 TOP CURB LEFT 2270  
2280 C/L 2270  
2300 TOP CURB RIGHT 2290  
2280 TOP CURB RIGHT 2270

LINE TABLE

| LINE | LENGTH | BEARING       |
|------|--------|---------------|
| L1   | 22.90  | N 88°13'17" E |
| L2   | 230.74 | S 37°13'43" E |

CURVE TABLE

| CURVE | LENGTH | RADIUS | TANGENT | CHORD  | DELTA      |
|-------|--------|--------|---------|--------|------------|
| C1    | 49.99  | 30.00  | 33.01   | 44.40  | 95°28'36"  |
| C2    | 45.02  | 30.00  | 27.96   | 40.91  | 85°58'23"  |
| C3    | 340.94 | 358.10 | 184.63  | 328.21 | 54°33'00"  |
| C4    | 578.34 | 286.48 | 455.51  | 485.01 | 115°40'00" |

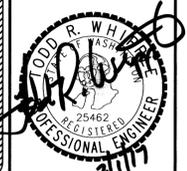


**29TH AVENUE AND HAVANA STREET**  
1"=20'

**CONSTRUCTION NOTES**

- 1) PROVIDE AND INSTALL TYPE B TYPE CURB PER SPOKANE COUNTY STANDARDS.
- 2) PROVIDE AND INSTALL DESIGN B CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
- 3) PROVIDE AND INSTALL 6" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 4) SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
- 5) PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION THIS SHEET.
- 6) PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 METAL FRAME AND TYPE 1 GRATE PER CITY OF SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12 SEE PROFILE FOR STATION AND ELEVATION INFORMATION.
- 7) PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS SEE PROFILE FOR LENGTH AND SLOPE.
- 8) REMOVE EXISTING 8" STORM DRAIN PIPE.
- 9) PROVIDE AND INSTALL 12" D.I. STORM PIPE PER SPOKANE COUNTY STANDARDS.
- 10) PROVIDE AND INSTALL 8" D.I. STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR LENGTH AND SLOPE.
- 11) CONNECT TO EXISTING SDMH. SEE STATION & ELEVATION INFORMATION. VERIFY DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION.

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT #: P-1938  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES: PUBLIC: 0.78  
PROJECT LANE MILES PRIVATE: 0.00  
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) 477-3600  
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



NAVD-88 DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MP 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT CENTERLINE OF HAVANA  
STREET AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

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

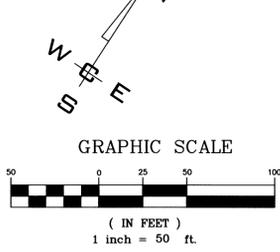
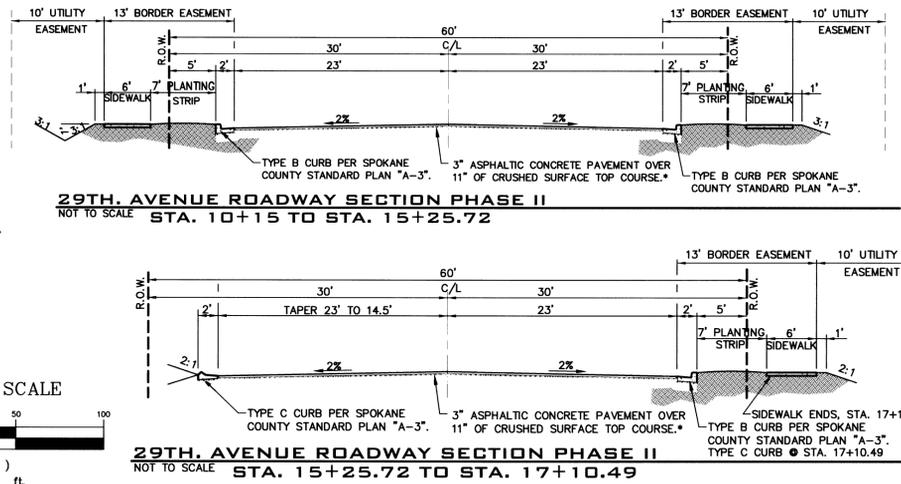
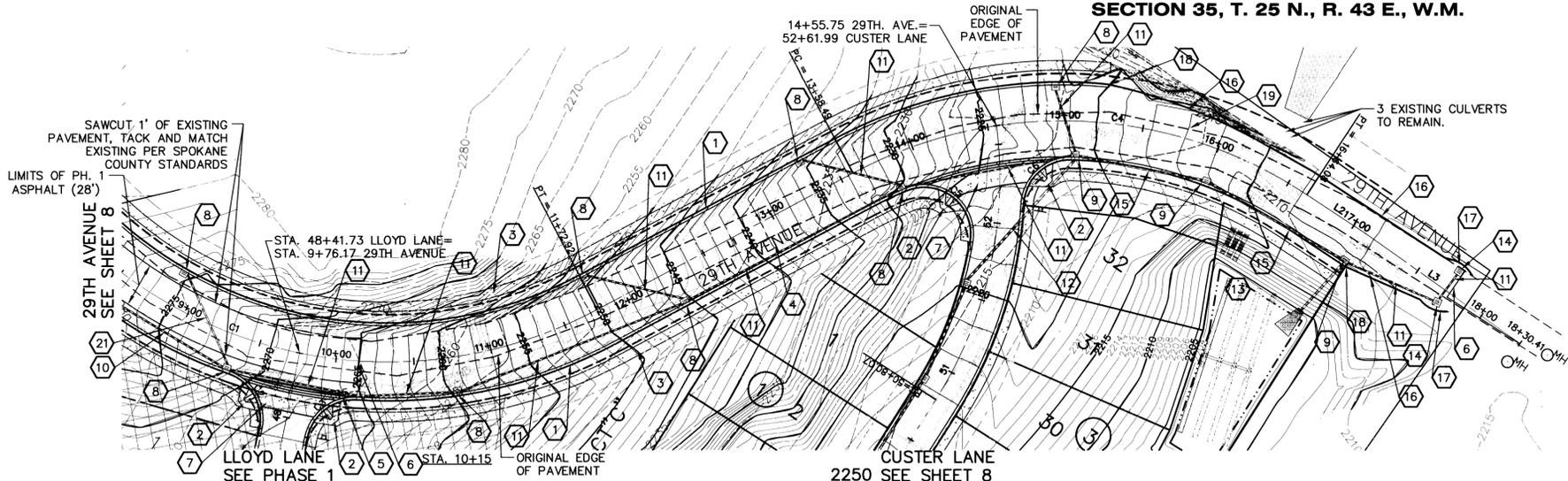
PROJ #: 2005-175  
DATE: 09/29/08  
DRAWN: MEK  
APPROVED: TRW



**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE PUD, PHASE 2B**  
**29TH AVENUE STA. 0+00 TO STA. 8+50**  
**SPOKANE COUNTY, WASHINGTON**

SHEET  
8 OF 14  
JOB NUMBER  
2005-175

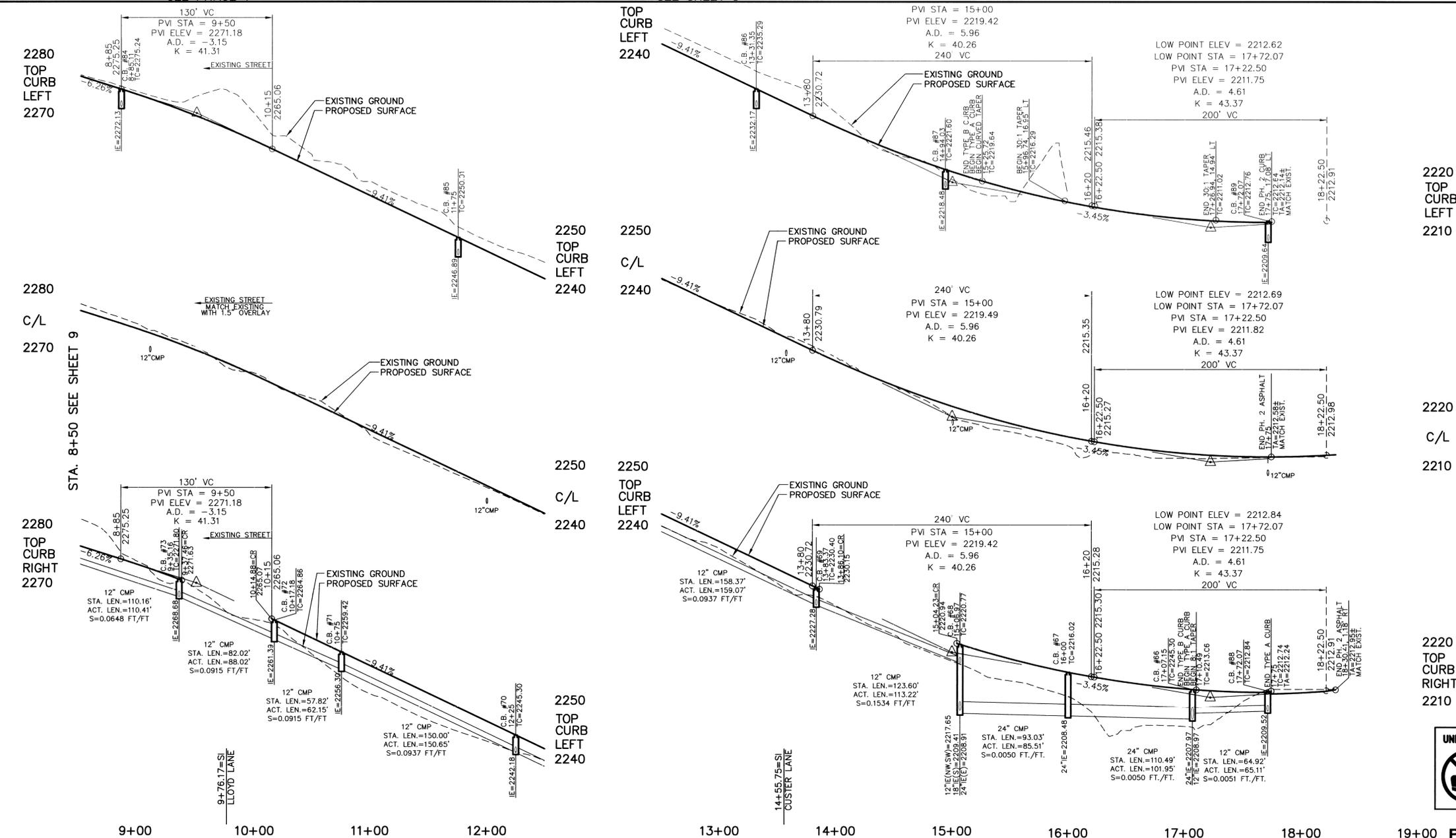
SECTION 35, T. 25 N., R. 43 E., W.M.



\*NOTES:  
1) NEW ASPHALT TO BE INSTALLED AFTER DRAINAGE STRUCTURES.

CONSTRUCTION NOTES

- 1) PROVIDE AND INSTALL TYPE B CURB PER SPOKANE COUNTY STANDARDS.
- 2) PROVIDE AND INSTALL DESIGN A CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5.
- 3) PROVIDE AND INSTALL 6' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
- 4) PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION THIS SHEET.
- 5) REMOVE EXISTING 12" CMP CULVERT.
- 6) SAWCUT, TACK AND MATCH EXISTING ASPHALT PER SPOKANE COUNTY STANDARDS.
- 7) PROVIDE AND INSTALL TYPE 2 CROSS-GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
- 8) PROVIDE AND INSTALL TYPE 1 CATCH BASIN, TYPE 1 METAL FRAME AND TYPE 1 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-12 SEE PROFILE FOR STATION AND ELVATION INFORMATION.
- 9) PROVIDE AND INSTALL W.S.D.O.T. 48" TYPE 2 CATCH BASIN PER W.S.D.O.T. STANDARD PLAN WITH TYPE 1 FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10 AND B-12. SEE PROFILE FOR STATION AND ELEVATION INFORMATION.
- 10) PROVIDE AND INSTALL ASPHALT PAVEMENT PER SPOKANE COUNTY STANDARDS AND SECTION ON SHEET 10.
- 11) PROVIDE AND INSTALL 12" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
- 12) PROVIDE AND INSTALL 18" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
- 13) SEE SHEET 13 FOR POND DETAILS.
- 14) PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND GRATE, AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLAN B-4, B-10, AND B-14. SEE PROFILE FOR STATION, OFFSET, AND ELEVATION INFORMATION.
- 15) PROVIDE AND INSTALL 24" CMP STORM PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE FOR INFORMATION.
- 16) PROVIDE AND INSTALL TYPE C CURB PER SPOKANE COUNTY STANDARDS.
- 17) PROVIDE ASPHALT DEPRESSION TOWARDS CATCH BASIN. GRADE APPROPRIATELY.
- 18) 6' TRANSITION FROM TYPE B CURB TO TYPE C CURB. MATCH FLOWLINE.
- 19) SEE DETAIL THIS SHEET FOR 29TH CROSS-SECTION STA 15+25.72 TO STA 17+10.49.
- 21) PROVIDE AND INSTALL 12" DI PER SPOKANE COUNTY STANDARDS.



| CURVE TABLE |        |        |         |                   |
|-------------|--------|--------|---------|-------------------|
| CURVE       | LENGTH | RADIUS | TANGENT | DELTA             |
| C1          | 578.34 | 286.48 | 455.51  | 485.01 115°40'00" |
| C2          | 43.83  | 30.50  | 26.67   | 40.16 82°20'36"   |
| C3          | 43.83  | 30.50  | 26.67   | 40.16 82°20'36"   |
| C4          | 305.58 | 286.48 | 169.14  | 291.30 61°07'00"  |
| C5          | 63.75  | 30.00  | 53.85   | 52.42 121°45'33"  |
| C6          | 46.03  | 30.00  | 28.93   | 41.65 87°55'00"   |

| LINE TABLE |        |               |
|------------|--------|---------------|
| LINE       | LENGTH | BEARING       |
| L1         | 185.58 | N 27°17' E    |
| L2         | 45.23  | N 88°13'17" E |
| L3         | 121.10 | S 89°51'53" E |

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

SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
CONSTRUCTION PLANS  
PROJECT #: **P-1938B**  
DATE ACCEPTED: **02-27-17**  
ACCEPTANCE EXPIRES: **02-27-19**  
PROJECTS LANE MILES: PUBLIC: **0**  
PROJECT LANE MILES: PRIVATE: **0.78**  
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) 477-3800  
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

**W. R. WHITMAN**  
REGISTERED PROFESSIONAL ENGINEER  
25462  
2017

NAVD-88 DATUM  
MONUMENT ID NO. 3394, HWY 395,  
MP 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT CENTERLINE OF HAVANA  
STREET AND 29TH AVENUE  
ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

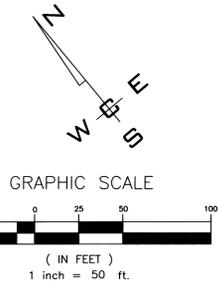
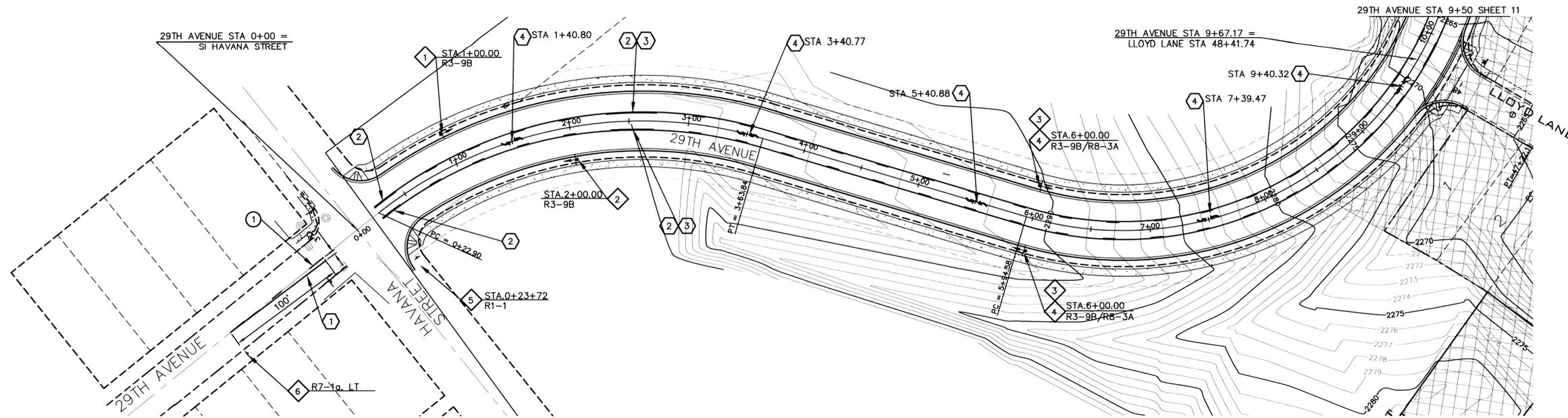
| NO.   | DATE | BY  | REVISIONS                             |
|-------|------|-----|---------------------------------------|
| ---   | SRR  | MLM | SUBMITTAL TO SPOKANE COUNTY ENGINEERS |
| 04/19 | MLM  | MLM | PLAN PREPARATION                      |

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

PROJ #: 2005-175  
DATE: 08/20/08  
DRAWN: MEK  
APPROVED: TRW

**WCE**  
WHIPPLE CONSULTING ENGINEERS  
CIVIL AND TRANSPORTATION ENGINEERING  
2528 NORTH SULLIVAN ROAD  
SPOKANE VALLEY, WASHINGTON 99216  
PH: 509-893-2617 FAX: 509-926-0227

SHEET  
9 OF 14  
JOB NUMBER  
2005-175



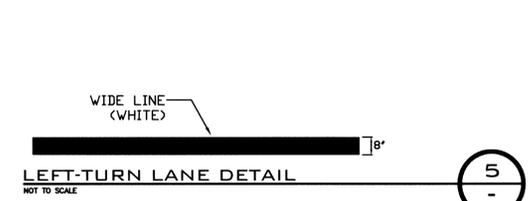
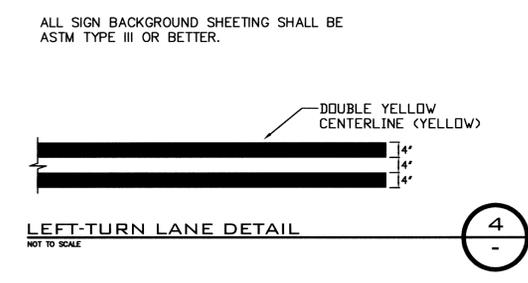
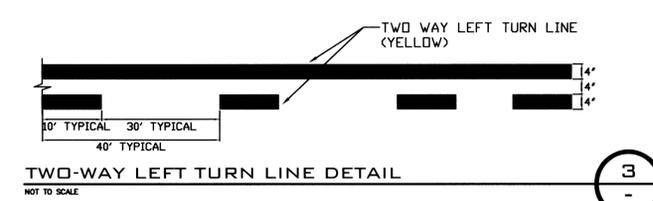
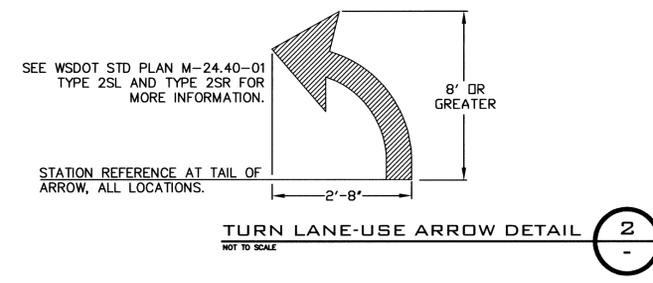
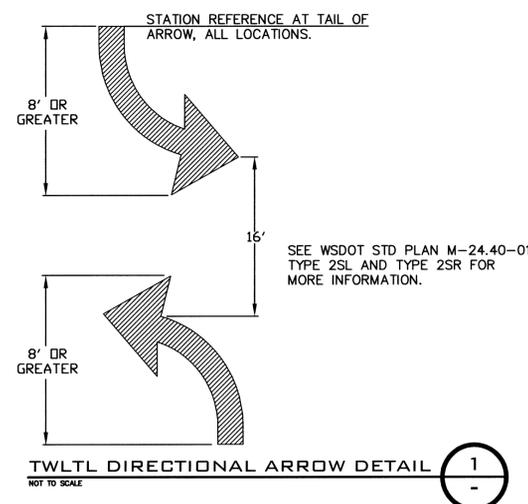
**STRIPING NOTES - 29TH AVENUE**

- ① DOUBLE YELLOW CENTERLINE. SEE DETAIL 4 THIS SHEET.
- ② YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 0+22.90, 5.5' RT/LT TO STA 2+52.47, 7' RT/LT. SEE DETAIL 3 THIS SHEET.
- ③ YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 2+52.47 TO 16+09.72, 7' RT/LT. SEE DETAIL 3 THIS SHEET.
- ④ PLACE DIRECTIONAL TRAFFIC ARROWS IN MIDDLE OF LANE. SEE DETAIL 1 THIS SHEET.

**REMOVAL NOTES - 29TH AVENUE**

- ① REMOVE CENTERLINE SKIP LINE TO LENGTHS AS INDICATED ABOVE.

| SIGNING SCHEDULE |                       |       |  |
|------------------|-----------------------|-------|--|
| ①                | STA 1+00.00           | R3-9B | "END CENTER LANE"                              |
| ②                | STA 2+00.00           | R3-9B | "BEGIN CENTER LANE"                            |
| ③                | STA 6+00.00, RT & LT  | R3-9B | "CENTER LANE ONLY"                             |
| ④                | STA 6+00.00, RT & LT  | R8-3A | NO PARKING SIGN MOUNTED BELOW CENTER LANE ONLY |
| ⑤                | STA 0+23.72, 53.2' RT | R1-1  | "STOP" SIGN                                    |
| ⑥                | STA -1+36, LT         | R7-1a | NO PARKING SIGN                                |



NOTE: ALL LINE WIDTHS PER MUTCD STANDARDS. ALL MARKINGS TO BE WHITE UNLESS OTHERWISE NOTED.

**COUNTY DATUM**  
 MONUMENT ID NO. 3394, HWY 395,  
 MP 167.35, CBM NO. GP32395-201  
 ELEVATION = 1748.382  
 SPIKE AT CENTERLINE OF HAVANA  
 STREET AND 29TH AVENUE  
 ELEVATION = 2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                   |
|-------|------|----|-----------------------------|
| ---   | SRR  |    | SUBMITTAL TO SPOKANE COUNTY |
| 07/23 | SRR  |    | ORIGINAL PLAN PREPARATION   |

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

**PROJ #:** 2005-175  
**DATE:** 08/20/08  
**DRAWN:** SRR  
**APPROVED:** TRW

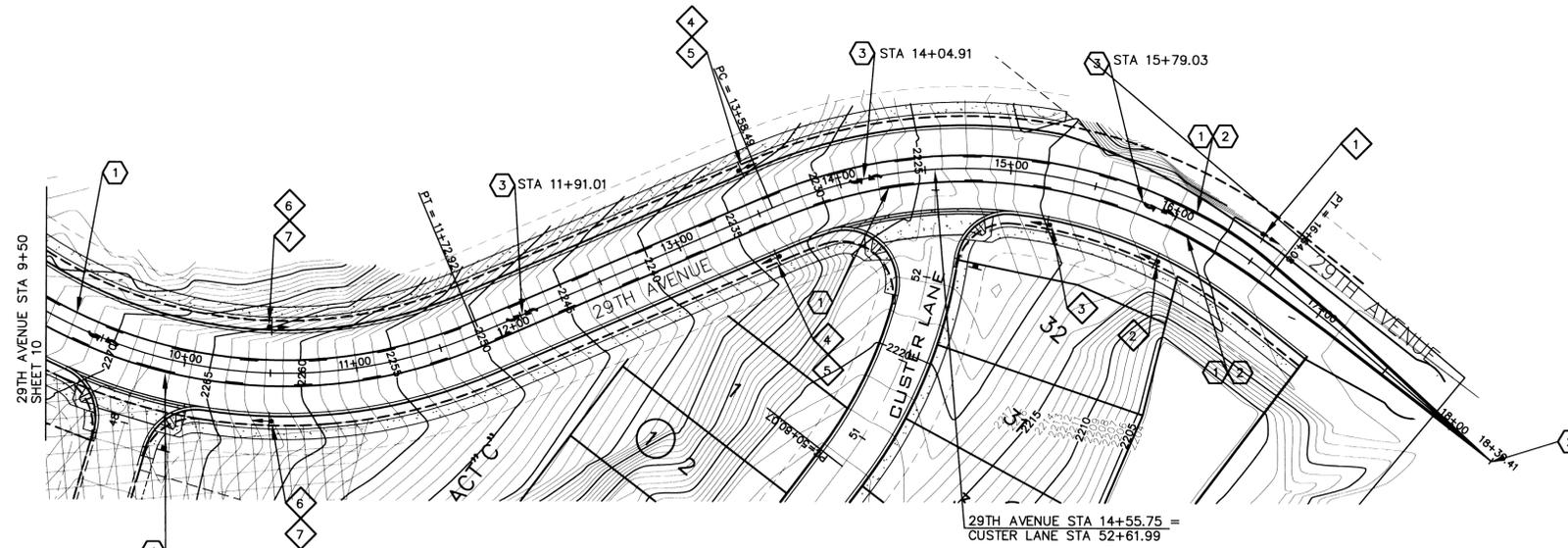
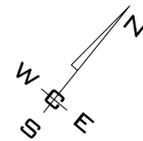
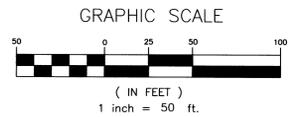
**WCE**  
 WHIPPLE CONSULTING ENGINEERS  
 CIVIL AND TRANSPORTATION ENGINEERING  
 2528 NORTH SULLIVAN ROAD  
 SPOKANE VALLEY, WASHINGTON 99216  
 PH: 509-893-2617 FAX: 509-926-0227

**STRIPING PLAN**  
**SOUTHRIDGE PUD, PHASE 2B**  
**29TH AVENUE SIGNING & CHANNELIZATION PLAN**  
**SPOKANE COUNTY, WASHINGTON**

**SHEET**  
**10 OF 14**  
 JOB NUMBER  
**2005-175**

SPOKANE COUNTY PUBLIC WORKS  
 OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
 PROJECT #: P-1938B  
 DATE ACCEPTED: 02-07-17  
 ACCEPTANCE EXPIRES: 02-07-19  
 PROJECTS LANE MILES: PUBLIC: 0.79  
 PRIVATE: 0.00  
 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



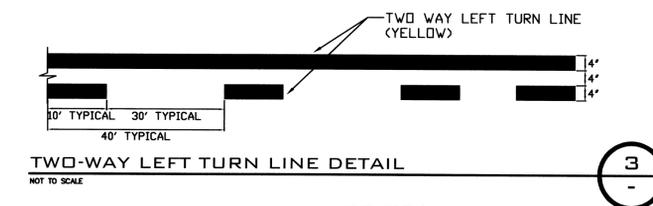
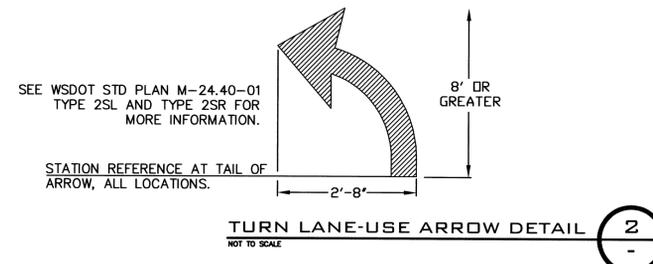
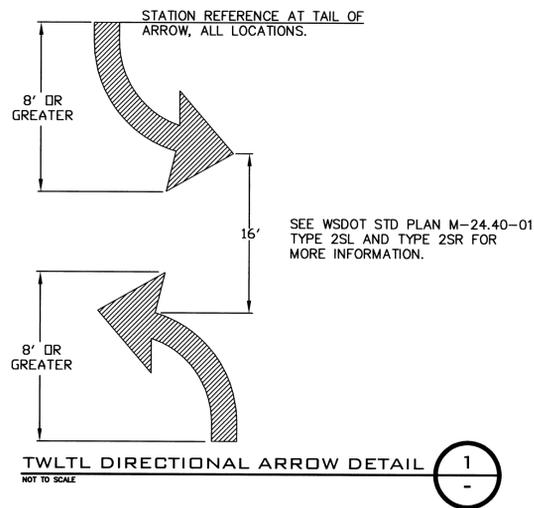


**STRIPING NOTES - 29TH AVENUE**

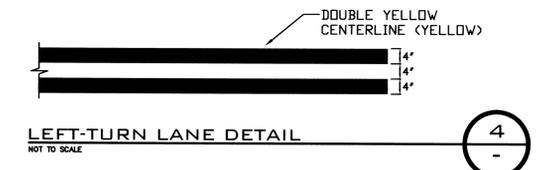
- 1 YELLOW TWO-WAY LEFT-TURN CENTER LINE STA 2+52.47 TO 16+09.72, 7' RT/LT. SEE DETAIL 3 THIS SHEET.
- 2 DOUBLE YELLOW CENTERLINE STA 16+09.72 TO STA 18+30.41. SEE DETAIL 4 THIS SHEET. TAPER PER SPOKANE COUNTY STANDARDS.
- 3 PLACE DIRECTIONAL TRAFFIC ARROWS IN MIDDLE OF LANE. SEE DETAIL 1 THIS SHEET.

| SIGNING SCHEDULE |                       |       |   |
|------------------|-----------------------|-------|---|
| 1                | STA 16+48.59, LT      | R3-9B | "BEGIN CENTER LANE"                       |
| 2                | STA 15+99.70, RT      | R3-9B | "END CENTER LANE"                         |
| 3                | STA 15+26.34, RT      | W5-10 | "ROAD NARROWS SIGN"                       |
| 4                | STA 13+50.00, RT & LT | R3-9B | "CENTER LANE ONLY"                        |
| 5                | STA 13+50.00, RT & LT | R8-3A | NO PARKING MOUNTED BELOW CENTER LANE ONLY |
| 6                | STA 10+50.00, RT & LT | R3-9B | "CENTER LANE ONLY"                        |
| 7                | STA 10+50.00, RT & LT | R8-3A | NO PARKING MOUNTED BELOW CENTER LANE ONLY |

ALL SIGN BACKGROUND SHEETING SHALL BE ASTM TYPE III OR BETTER.



NOTE: ALL LINE WIDTHS PER MUTCD STANDARDS. ALL MARKINGS TO BE WHITE UNLESS OTHERWISE NOTED.



SPOKANE COUNTY PUBLIC WORKS  
OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
PROJECT #: P-1938B  
DATE ACCEPTED: 02-07-17  
ACCEPTANCE EXPIRES: 02-07-19  
PROJECTS LANE MILES: PUBLIC: 4.78  
PROJECT LANE MILES PRIVATE:  
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



**COUNTY DATUM**  
MONUMENT ID NO. 3394, HWY 395  
MP 167.35, CBM NO. GP32395-201  
ELEVATION = 1748.382  
SPIKE AT CENTERLINE OF HAVANA STREET AND 29TH AVENUE  
ELEVATION=2298.606

DEVELOPER'S APPROVAL

DATE

| NO. | DATE  | BY  | REVISIONS   |
|-----|-------|-----|---|
| --- | 07/23 | SRR | SUBMITTAL TO SPOKANE COUNTY ORIGINAL PLAN PREPARATION |

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

PROJ #: 2005-185  
DATE: 08/20/08  
DRAWN: SRR  
APPROVED: TRW

**WCE**  
WHIPPLE CONSULTING ENGINEERS  
CIVIL AND TRANSPORTATION ENGINEERING  
2528 NORTH SULLIVAN ROAD  
SPOKANE VALLEY, WASHINGTON 99216  
PH: 509-893-2617 FAX: 509-926-0227

**STRIPING PLAN**  
**SOUTHRIDGE PUD, PHASE 2B**  
**29TH AVE SIGNING & CHANNELIZATION PLAN**  
**SPOKANE COUNTY, WASHINGTON**

**SHEET**  
**11 OF 14**  
JOB NUMBER  
**2005-175**

SECTION 35, T. 25 N., R. 43 E., W.M.

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

**GENERAL NOTES, ALL PONDS:**

- GENERAL REFERENCE FIGURE 47, PAGE 6-83 OF SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.
- BOTTOM OF POND AND NON-BERM AREAS OF POND SHALL BE PLANTED WITH NATIVE-TYPE GRASSES ACCLIMATED TO ARID CONDITIONS (DRYLAND GRASSES). SEE SEEDING NOTE, THIS SHEET.
- THE BASE OF THE BERM SHALL BE FIRM, UNYIELDING SUBGRADE, FREE OF ORGANICS AND FILL MATERIAL.
- STANDARD DENSITY SHALL BE IN ACCORDANCE WITH A.S.T.M. D-1557.

| POND BOTTOM LOCATION TABLE |         |            |           |
|----------------------------|---------|------------|-----------|
| CUSTER STATION & OFFSET    |         |            |           |
| POINT                      | STATION | OFFSET     | DISTANCE  |
| A                          | 3+27.89 | 30.4' LT.  | 83.3'     |
| B                          | 3+41.82 | 112.7' LT. | 61.0'     |
| C                          | 4+08.01 | 104.1' LT. | 73.7'     |
| D                          | 4+05.73 | 30.4' LT.  | 73.7'     |
| A                          | 3+27.89 | 30.4' LT.  | D-A 75.9' |

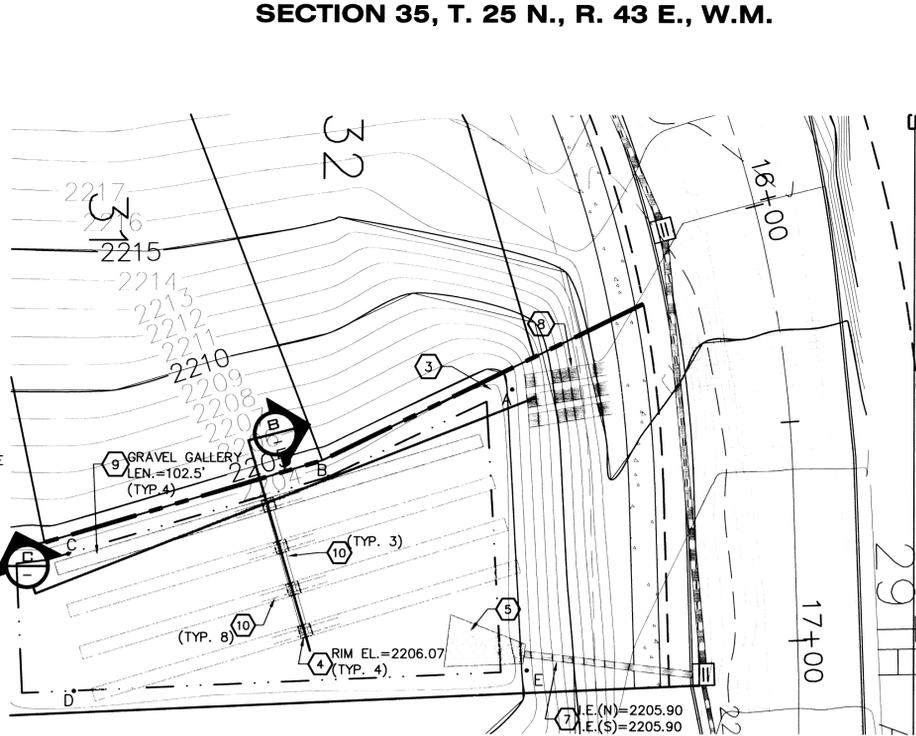
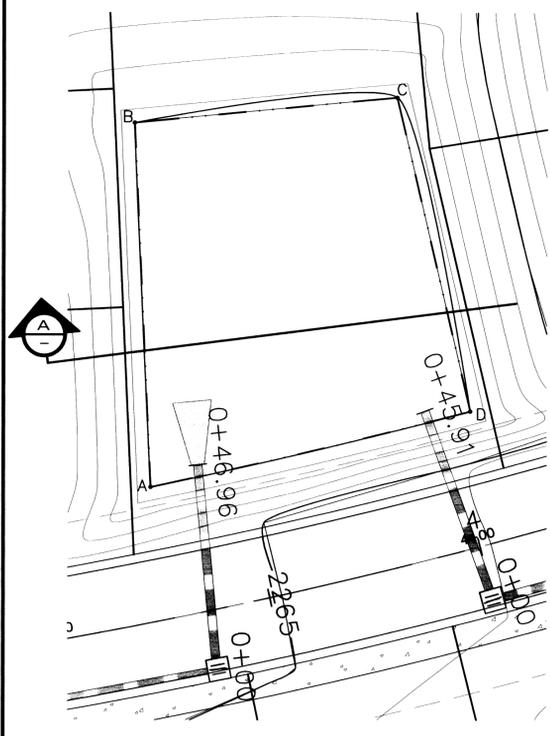
**POND "A-1"**

POND BOTTOM AREA PROVIDED = 5104.1 SF  
 POND BOTTOM EL. = 2259.49  
 MINIMUM BERM EL. = 2261.49

| POND BOTTOM LOCATION TABLE |          |            |           |
|----------------------------|----------|------------|-----------|
| 29TH AVE. STATION & OFFSET |          |            |           |
| POINT                      | STATION  | OFFSET     | DISTANCE  |
| A                          | 16+28.58 | 50.5' RT.  | 46.8'     |
| B                          | 16+56.69 | 107.2' RT. | 62.7'     |
| C                          | 16+75.31 | 167.9' RT. | 31.4'     |
| D                          | 17+21.27 | 167.5' RT. | 104.7'    |
| E                          | 17+05.01 | 50.5' RT.  | E-A 64.3' |

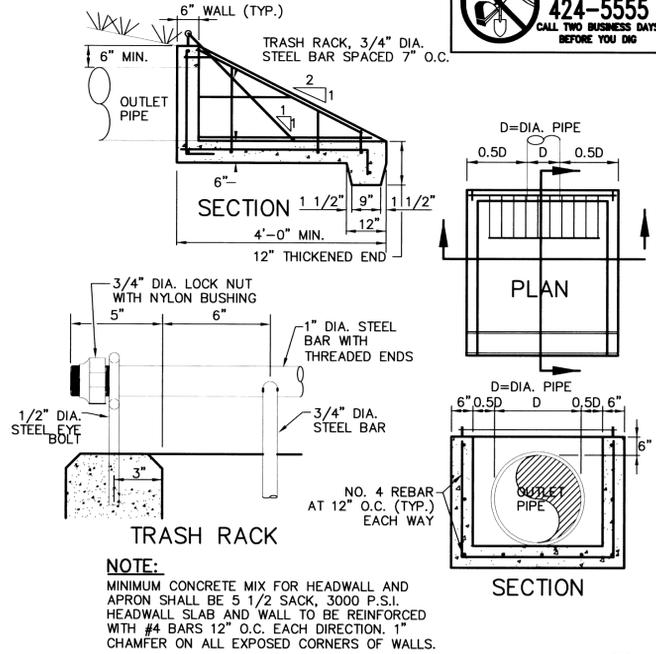
**POND "B"**

POND BOTTOM AREA PROVIDED = 4771.06 SF  
 POND BOTTOM EL. = 2205.40  
 MINIMUM BERM EL. = 2206.90

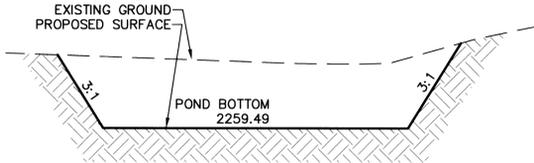


**POND "A-1" DETAIL (TO BE GRADED IN ONLY)**  
 1" = 20'

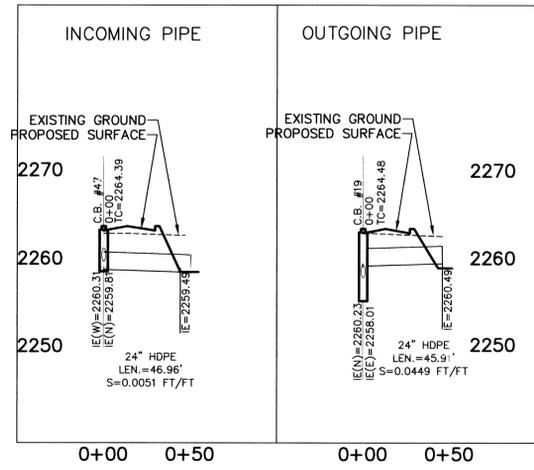
**POND "B" DETAIL**  
 1" = 20'



**CONCRETE HEADWALL WITH TRASH RACK**  
 NOT TO SCALE



**POND "A-1" SECTION**  
 NOT TO SCALE



**PIPE PROFILE**  
 1" = 50'

**CONSTRUCTION NOTES**

- NOT USED.
- PROVIDE AND INSTALL CONCRETE HEADWALL WITH GRATE. SEE DETAIL 2, THIS SHEET.
- PROVIDE AND INSTALL RIP-RAP ALONG POND SLOPE PER SPOKANE COUNTY STANDARDS.
- PROVIDE AND INSTALL CATCH BASIN TYPE 1 WITH TYPE 2 METAL FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLANS B-4, B-11, B-14.
- PROVIDE AND INSTALL RIP-RAP PAD PER SPOKANE COUNTY STANDARDS. SEE DETAIL 1, THIS SHEET.
- EXISTING FLOOD PLAIN DISCHARGE, SEE PHASE 1 DETAILS.
- PROVIDE AND INSTALL 24" D.I. STORM DRAIN PIPE PER SPOKANE COUNTY STANDARDS. SEE PROFILE, THIS SHEET, FOR PIPE INFORMATION (POND A-1).
- PROVIDE AND INSTALL 19.3± L.F. OF 36" CMP CULVERT (EXTENSIONS OF 3 EXISTING) PER SPOKANE COUNTY STANDARDS. MATCH EXISTING SLOPE.
- PROVIDE AND INSTALL GRAVEL GALLERY. SEE DETAIL B, THIS SHEET.
- PROVIDE AND INSTALL 10 L.F. OF 18" P.V.C. AT 0.00 FT./FT. SLOPE PER SPOKANE COUNTY STANDARDS.

**SEEDING NOTE:**

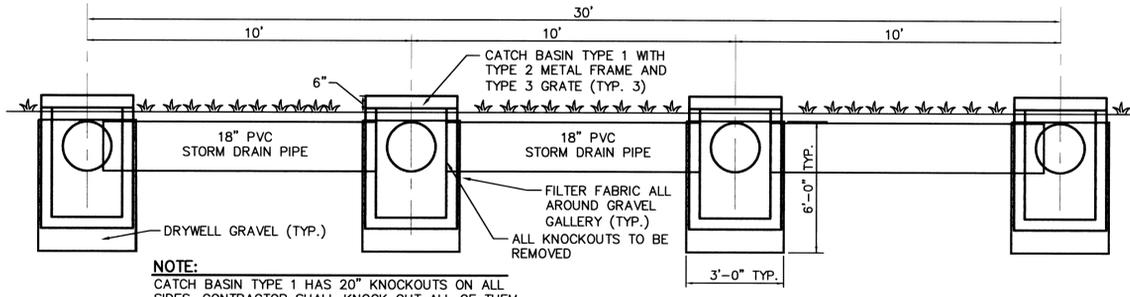
GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICAN. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

- 10 PERCENT ELKA PERRENIAL RYE
- 20 PERCENT DURAR HARD FESCUE
- 45 PERCENT COVAR SHEEP/FESCUE
- 15 PERCENT REUBENS CANADIAN BLUEGRASS

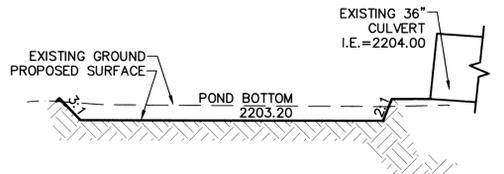
PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN AMOUNTS AS FOLLOWS:

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

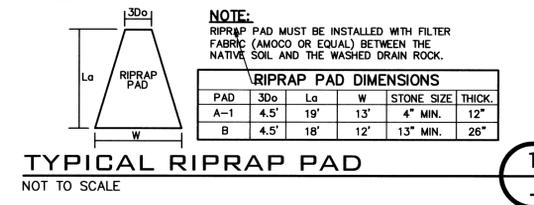
ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SECTION 8-01.



**GRAVEL GALLERY SECTION**  
 NOT TO SCALE



**POND "B" SECTION**  
 NOT TO SCALE



**TYPICAL RIPRAP PAD**  
 NOT TO SCALE

SPOKANE COUNTY PUBLIC WORKS  
 OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
 PROJECT #: P-1938  
 DATE ACCEPTED: 07-07-17  
 ACCEPTANCE EXPIRES: 07-07-19  
 PROJECTS LANE MILES: PUBLIC: 0  
 PROJECT LANE MILES PRIVATE: 0.78  
 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) 477-3609  
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

**TODD R. WHITNEY**  
 25462  
 REGISTERED PROFESSIONAL ENGINEER  
 2/1/17

**COUNTY DATUM**  
 MONUMENT ID NO. 3394, HWY 395,  
 MO 167.35, CBM NO. GP32395-201  
 ELEVATION=1748.382  
 SPIKE AT C/L OF HAVANA STREET  
 AND 29TH AVENUE  
 ELEVATION=2298.606

DEVELOPER'S APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

**SCALE:**  
 HORIZONTAL: AS SHOWN  
 VERTICAL: 1" = 10'

**PROJ #:** 2005-175  
**DATE:** 09/29/08  
**DRAWN:** MEK  
**APPROVED:** TRW

**IWCE**  
 WHIPPLE CONSULTING ENGINEERS  
 CIVIL AND TRANSPORTATION ENGINEERING  
 2528 NORTH SULLIVAN ROAD  
 SPOKANE VALLEY, WA 99216  
 PH: 509-893-2617 FAX: 509-926-0227

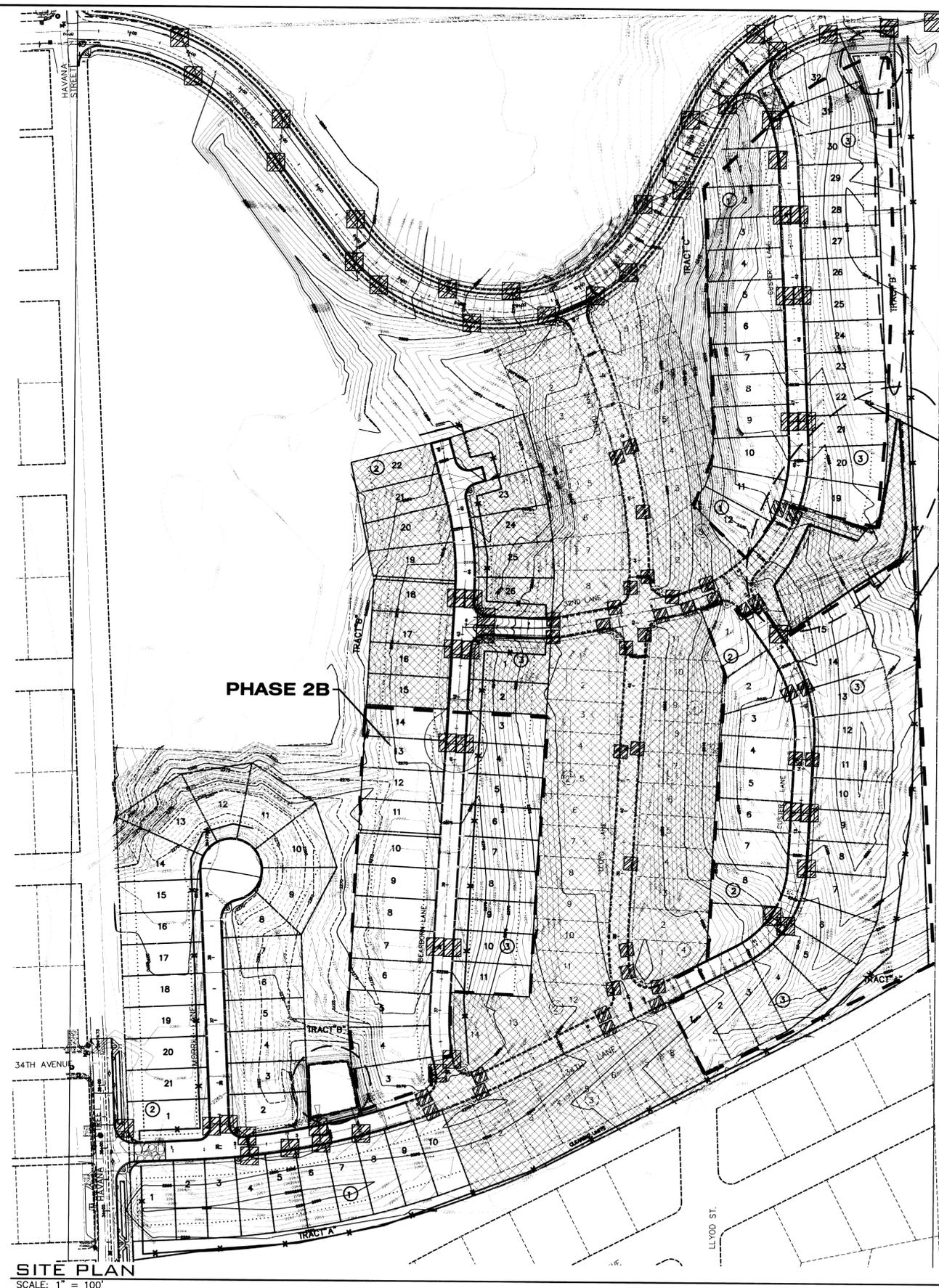
P-1938

**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE P.U.D PHASE 2B**  
**POND DETAILS**  
**HAVANA STREET AND 29TH AVENUE**  
**SPOKANE COUNTY, WASHINGTON**

**SHEET**  
 12 OF 14  
 JOB NUMBER  
 2005-175



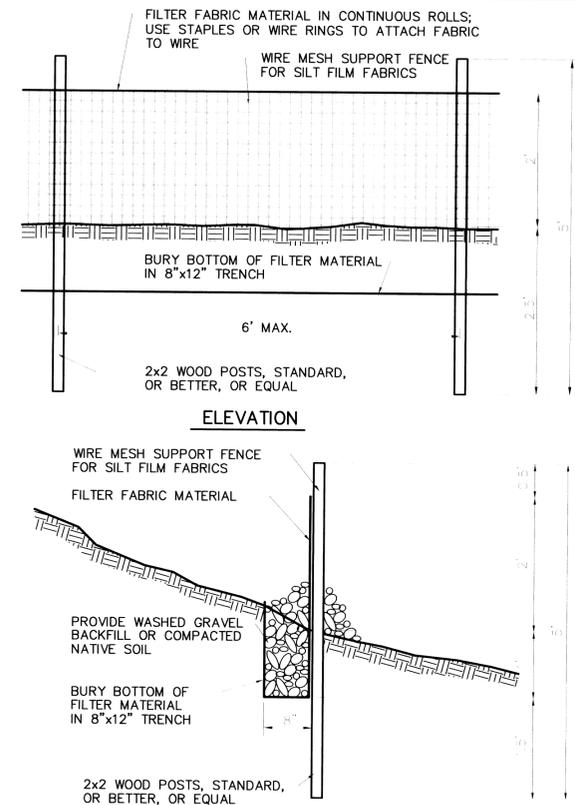
SECTION 35, T. 25 N., R. 43 E., W.M.



PHASE 2B

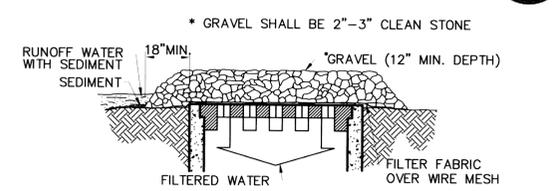
LEGEND

- STORM DRAINAGE POND - NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES & INFORMATION 4 AND 7, SHEET 14.
- GRAVEL AND WIRE MESH INLET SEDIMENT FILTER. SEE DETAIL 2, THIS SHEET.
- SILT FENCE. SEE DETAIL 1, THIS SHEET AND GENERAL NOTE & INFORMATION 5, SHEET 14.
- ROCK CONSTRUCTION ENTRY. SEE DETAIL 2, THIS SHEET AND GENERAL NOTE & INFORMATION 6, SHEET 14.
- PHASE 1 AND 2A.



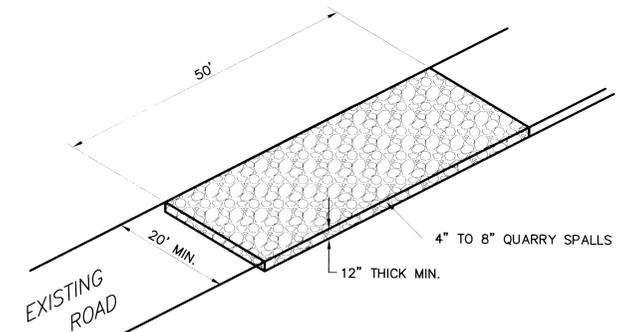
SILT FENCE DETAIL

NOT TO SCALE



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

NOT TO SCALE



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

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

SPOKANE COUNTY PUBLIC WORKS  
 OFFICIAL PUBLIC DOCUMENT ORIGINAL  
**CONSTRUCTION PLANS**  
 PROJECT #: 02-07-17  
 DATE ACCEPTED: 02-07-19  
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 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

LOU R. WHIPPLE  
 REGISTERED PROFESSIONAL ENGINEER  
 25462  
 WASHINGTON

SITE PLAN  
 SCALE: 1" = 100'

NAV-D-88 DATUM  
 MONUMENT ID NO. 3394, HWY 395,  
 MP 167.35, CBM NO. GP32395-201  
 ELEVATION = 1749.382  
 SPIKE AT CENTERLINE OF HAVANA  
 STREET AND 28TH AVENUE  
 ELEVATION = 2298.606

DEVELOPER'S APPROVAL

DATE

| NO.   | DATE | BY | REVISIONS                 |
|-------|------|----|---------------------------|
| 09/29 | JJK  |    | FINAL PLAN SUBMITTAL      |
| 08/30 | RLM  |    | ORIGINAL PLAN PREPARATION |

SCALE:  
 HORIZONTAL:  
 AS SHOWN  
 VERTICAL:  
 N/A

PROJ #: 2005-175  
 DATE: 09/29/08  
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 APPROVED: TRW

**WCE**  
 WHIPPLE CONSULTING ENGINEERS  
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 2528 NORTH SULLIVAN ROAD  
 SPOKANE VALLEY, WASHINGTON 99216  
 PH: 509-893-2617 FAX: 509-926-0227

P-1938  
**STREET AND DRAINAGE PLANS**  
**SOUTHRIDGE PUD, PHASE 2B**  
**EROSION CONTROL DETAILS**  
**SPOKANE COUNTY, WASHINGTON**

SHEET  
 14 OF 14  
 JOB NUMBER  
 2005-175