SEC. SEC.20, T.25N., R.43E., W.M.

STREET AND DRAINAGE PLANS

# MICA VIEW 4TH ADDITION

LOCATED IN A PORTION OF THE

S.E. 1/4 OF SEC. 20, T. 25 N., R. 43 E., W.M.

SPOKANE COUNTY, WA.

**RECORD DRAWING**

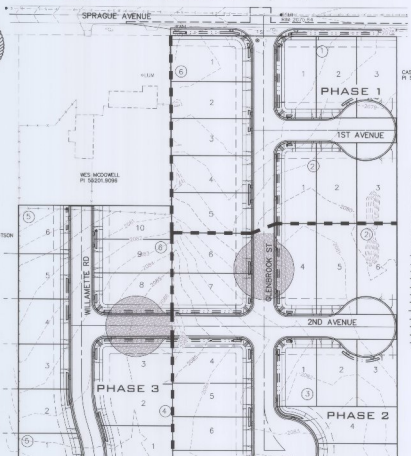
UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 811 — CALL TWO BUSINESS DAYS BEFORE YOU DIG

OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS PRODUCT #: 75050 DATE ACCEPTED: 3/15/17

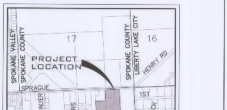
## TITLE

| EXISTING | DESCRIPTION | PROPOSED |
|---|---|---|
| | ROADWAY CENTER LINE | |
| | RIGHT OF WAY LINE | |
| | LOT LINE | |
| | EASEMENT LINE | |
| | FENCE | |
| | CURB | |
| | PAVEMENT | |
| | ASPHALT | |
| | CONCRETE | |
| | BUILDING & STRUCTURES | |
| | MONUMENT | |
| | **SEWER** | |
| | SANITARY SEWER | |
| | MANHOLE | |
| | CLEANOUT | |
| | SEWER SERVICE | |
| | **WATER** | |
| | WATER LINE | |
| | VALVE | |
| | FIRE HYDRANT | |
| | SERVICE | |
| | METER | |
| | BLOWOFF | |
| | AIR VACUUM RELIEF STATION | |
| | **DRAINAGE** | |
| | DRAINAGE LINE | |
| | MANHOLE | |
| | CATCH BASIN | |
| | CATCH BASIN | |
| | DITCH | |
| | **GAS** | |
| | GAS LINE | |
| | VALVE | |
| | METER | |
| | **TELE-POWER** | |
| | BURIED TELEPHONE | |
| | POWER OR TELEPHONE POLE | |
| | BURIED POWER | |
| | TRANSFORMER PAD | |
| | OVERHEAD POWER | |
| | TELEPHONE VAULT | |
| | OVERHEAD POWER | |
| | GUY ANCHOR | |
| | POWER VAULT | |
| | LIGHT POLE | |

GRAPHIC SCALE
( IN FEET )
1 inch = 50 ft.




SITE PLAN
SCALE: 1"=50'




VICINITY MAP

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**HEALTH**
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
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WASTE MANAGEMENT
SPOKANE, WASHINGTON
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**SURVEYOR**
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2208 N. SULLIVAN ROAD
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CONTACT: TODD WHIPPLE, P.E.

## ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| ACT. LEN. | ACTUAL LENGTH | DB | GRADE BREAK | PRC | POINT OF REVERSE CURVE |
| BCR | BEGINNING OF CURVE RADIUS | FT./FT. | FEET PER FOOT | PT | POINT OF TANGENCY |
| BDRY | BOUNDARY | HYD. | HYDRANT | RIM EL. | RIM ELEVATION |
| CLEANOUT | SEWER CLEANOUT | I.E. | INVERT ELEVATION | RD | ROAD |
| CSTC | CRUSHED SURFACE TOP COURSE | LN | LANE | ST | STREET |
| CT. | COURT | MH | MANHOLE | SS | SANITARY SEWER |
| DIA. | DIAMETER | MCR | MIDDLE OF CURVE RADIUS | STA. | STATION |
| E (or) | EXISTING | PC | POINT OF CURVATURE | STA. LEN. | STATION LENGTH |
| EXIST. | EXISTING | PET. | PETROLEUM | TG | TOP OF GRATE |
| G | GRADE | PI | POINT OF INTERSECTION | TC | TOP OF CURB |

NAVD - 88
FOUND 1" MONUMENT IN CASE
FOUND 3/4" REBAR CAP AT THE
EASTERLY MOST CORNER OF LOT
PUBLISHED ELEVATION OF 2000.31

| SCALE: | PROJ #: 15-1463 |
|---|---|
| HORIZONTAL: 1"=50' | DATE: 03/03/16 |
| VERTICAL: N/A | DRAWN: NJH |
| | REVIEWED: TRW |

| | | |
|---|---|---|
| 3/17 | 12-16-16 | RECORD DRAWING BY inland Pacific Engineering Company |
| | | BOND REDUCTION REQUEST BY inland Pacific Engineering Company |
| 1 | 9-19-16 | CLIENT MODIFICATIONS |
| NO. | DATE | BY REVISIONS |

WCE
WHIPPLE CONSULTING ENGINEERS
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SPOKANE VALLEY, WA 99216
PH: 509-893-2617 FAX: 509-926-0227

**SPRAGUE AND HENRY**
**COVER SHEET**
**MICA VIEW 4TH ADDITION**
**GREENACRES, WA**

SHEET C0.0

JOB NUMBER 15-1463

9-20-17

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

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECTS LOCATED IN RURAL PUBLIC
PROJECT LAND MUST BE PRIVATE
ACCEPTANCE OF PLANS DOES NOT CONSTITUTE
ROADWAY OR DRAINAGE FACILITY ARE DESIGNED PRIOR
TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE
ROAD AS A COUNTY ROAD. SEE ROAD ACCEPTANCE
AGENT REMARKS (SAR) #11 AND #12
NOTE: PUBLIC DRAINAGE & SURFACE WATER
FACILITIES ARE NOT ACCEPTED


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SE¼, SEC.20, T.25N., R.43E., W.M.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

## GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN 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 SPOKANE COUNTY INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.

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 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.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY SPOKANE COUNTY 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 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.

5. 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.

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. 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.

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 OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.

11. PER AGENCY STANDARDS 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 RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO SPOKANE COUNTY INSPECTOR AT ALL TIMES.

13. 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.

14. 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.

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. 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.

16. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

17. 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 SPOKANE COUNTY ENGINEER.

18. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF SPOKANE COUNTY ENGINEERS AND NOTIFICATION OF THE ENGINEER OF RECORD.

19. 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 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.

20. THE CONTRACTOR IS CAUTIONED THAT IT IS THE UNDERSTANDING OF THE OWNER AND THE ENGINEER THAT SHOULD A CONFLICT OR DISCREPANCY IN THESE PLANS, SPECIFICATIONS, GENERAL NOTES OR PLANS ET.AL. DETERMINED TO BE PART OF THE OVERALL PROJECT, INCLUDING BUT NOT LIMITED TO THE ARCHITECTURAL PLANS, MECHANICAL PLANS, ELECTRICAL PLANS, LANDSCAPE PLANS, GENERAL SPECIAL PROVISIONS, ETC., THAT WITHOUT WRITTEN CLARIFICATION FROM THE ENGINEER, OWNER OR OTHER PROFESSIONAL, DURING THE BIDDING PROCESS, THAT IN ALL INSTANCES THE CONTRACTOR WILL BE REQUIRED TO BID THE HIGHER STANDARD. FAILURE TO DO SO MAY RESULT IN THE HIGHER STANDARD BEING REQUIRED BY THE OWNER, ENGINEER OR OTHER PROFESSIONAL WITH NO CHANGE IN VALUE TO THE CONTRACT VIA CHANGE ORDER OR OTHER MECHANISM.

21. CONSTRUCTION OF EVERY DRYWELL, INCLUDING FABRIC AND DRAINROCK, SHALL BE OBSERVED BY THE ON-SITE INSPECTOR TO CONFIRM THAT IT MEETS THE DESIGN DETAILS AND SPECIFICATIONS. DRYWELLS NOT OBSERVED SHALL HAVE THEIR PERFORMANCE VERIFIED BY A FULL-SCALE DRYWELL TEST.

23. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ANY AND ALL INCONSISTENCIES BETWEEN THESE PLANS AND CONSTRUCTION STAKING. CONTRACTOR ASSUMES RESPONSIBILITY TO CONSTRUCT TO THESE PLANS IN LIEU OF FIELD STAKING. SHOULD INCONSISTENCIES BE APPARENT THE CONTRACTOR SHALL CONTACT THE ENGINEER, OWNER, AND SURVEYOR TO RECTIFY THE DISCREPANCY PRIOR TO CONSTRUCTION EFFORT BEING APPLIED.

## GENERAL GRADING NOTES

1. CONTOURS AND / OR ELEVATIONS SHOWN ARE FOR FINISHED PAVING, SIDEWALK, SLAB, OR GROUND. ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.

2. ALL DISTURBED AREAS THAT ARE UNSURFACED OR ARE NOT DESIGNATED AS LANDSCAPE AREAS ARE TO BE SEEDED, FERTILIZED, AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

3. IF DURING THE OVERLOT GRADING PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE AN UNIDENTIFIED SITUATION IS PRESENT, THE SOILS ENGINEER SHALL BE CONTACTED FOR RECOMMENDATIONS.

4. UNLESS OTHERWISE SHOWN, NO PROPOSED SLOPE SHALL EXCEED THREE (3) HORIZONTAL TO ONE (1) VERTICAL. ALL SLOPED AREAS MUST BE PROTECTED FROM EROSION.

5. IF STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS ARE STOCKPILED ON THE SITE, TOPSOIL MAY BE PLACED TO A HEIGHT OF FIVE FEET. SILT FENCE SHALL BE PLACED AROUND THE BASE OF THE STOCKPILE AND THE STOCKPILE SHALL BE SEEDED WITH NATIVE SEED MIX IMMEDIATELY AFTER STRIPPING OPERATIONS ARE COMPLETE.

6. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS THAT DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS AND SPECIFIC PROFILE DESIGN SHALL BE USED FOR SETTING ELEVATIONS OF CURB, GUTTER, AND UTILITIES.

7. BENCHMARK VERIFICATION: CONTRACTOR SHALL USE BENCHMARKS AND DATUMS SHOWN HEREON TO SET PROJECT BENCH MARK'S), BY RUNNING A LEVEL LOOP BETWEEN AT LEAST TWO BENCHMARKS, AND SHALL PROVIDE SURVEY NOTES OF SUCH TO PROJECT ENGINEER PRIOR TO COMMENCING CONSTRUCTION.

8. ALL UTILITIES (MANHOLES, VALVE COVERS, CLEANOUTS, VAULTS, BOXES, ETC.) SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO THE FINAL LIFT OF ASPHALT.

9. GRADES WITHIN ASPHALT PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF THE DESIGN GRADE. HOWEVER, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL PAVEMENT AREAS AND ALONG ALL CURBS. ALL CURBS SHALL BE BUILT IN ACCORDANCE TO THE PLAN. CURBS OR PAVEMENT AREAS WHICH DO NOT PROVIDE PROPER DRAINAGE MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

10. SPOT ELEVATIONS REPRESENT FLOW LINE OR TOP OF ASPHALT UNLESS OTHERWISE NOTED.

11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS OWN ESTIMATE OF EARTHWORK QUANTITIES.

12. WHERE NEW CURB AND GUTTER IS BEING CONSTRUCTED ADJACENT TO EXISTING ASPHALT OR CONCRETE PAVEMENT, THE FOLLOWING SHALL APPLY: PRIOR TO PLACEMENT OF ANY CONCRETE THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR VERIFY THE GRADE AND CROSS SLOPE OF THE CURB AND GUTTER FORMS. THE CONTRACTOR SHALL SUBMIT THE SLOPES AND GRADES TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SECTION WHICH DOES NOT CONFORM TO THE DESIGN OR TYPICAL CROSS SECTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CURB AND GUTTER POURS WITHOUT THE APPROVAL OF THE ENGINEER.

13. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.

14. PRE CAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.

15. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIR AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

16. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.

17. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

18. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

19. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

20. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY PROVIDED BY THE OWNER . IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS. WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.

21. ALL UNSURFACED AREA DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. (CONTRACTOR SHALL PLACE SOD OR HYDROSEED DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS AND MAINTAINED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.)

22. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND SITE SHALL BE CONSTRUCTED TO SAME.

23. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.

24. 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 ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

25. ENGINEER SHALL BE NOTIFIED WHEN 'CURBING STRING LINE' HAS BEEN SET, PRIOR TO CURBING BEING INSTALLED.

PAUL T NELSON
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
9-20-17

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.

## 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, CURRENT EDITION", 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, TODD R WHIPPLE, P.E., @ 893-2617, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, ALLWEST, PAUL T. NELSON, P.E., @ 534-4411 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.

6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1a.

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 OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

9. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE 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.

10. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONE AND SHALL FLOW AS DIRECTED IN THE PLANS.

11. 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.

## STORM DRAINAGE NOTES

1. SEE STREET PLAN AND PROFILE SHEETS FOR DRYWELL AND CATCH BASIN TYPES AND LOCATIONS.

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 PONDS/SWALES 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. INSTALL FILTER FABRIC IN ALL DRYWELLS/GRAVEL GALLERIES. SEE SPOKANE COUNTY STANDARDS (2010 EDITION) SHEET B-1a FOR INSTALLATION LOCATIONS.

6. ALL PONDS/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 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.

8. ALL LANDSCAPE AREAS (PONDS/SWALES) ARE TO BE IRRIGATED BY AN 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.

**SLEEVING:** PROVIDE SLEEVING AS REQUIRED UNDER SIDEWALKS, PATHS, CURBING, PAVING, ETC. AS 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).

**ADJUSTMENT:** AFTER INSTALLATION, ADJUST VALVES, HEADS, EMITTERS, ETC. TO PROVIDE UNIFORM 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.

9. 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.

# RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P2050
DATE ACCEPTED: 9/25/17

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: ____
DATE ACCEPTED: ____
ACCEPTANCE EXPIRES: ____
PROJECTS LANE MILES: PUBLIC: ____
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

MARK L. KRIGBAUM
STATE OF WASHINGTON
39236
REGISTERED
PROFESSIONAL ENGINEER
PREPARED UNDER THE DIRECT SUPERVISION OF MARK L. KRIGBAUM WASHINGTON REGISTRATION NO. 39236 FOR AND ON BEHALF OF WCE

NAVD - 88
FOUND 3" WSDOT BRASS CAP AT THE EASTBOUND ON RAMP OF I-90
STATE #GP32060-47 WITH A PUBLISHED ELEVATION OF 2065.31

| NO | DATE | BY | REVISIONS |
|---|---|---|---|
| | | | |
| | | | |
| | 9/17 | | RECORD DRAWING BY Inland Pacific Engineering Company |
| | 12-6-16 | | BOND REDUCTION REQUEST BY Inland Pacific Engineering Company |
| | | | |
| 1 | 9-19-16 | JPP | CLIENT MODIFICATIONS |

SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

PROJ #: 15-1463
DATE: 03/03/16
DRAWN: NJH
REVIEWED: TRW

X CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
LANDSCAPE
OTHER

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

**SPRAGUE AND HENRY**
**GENERAL NOTES**
**MICA VIEW 4TH ADDITION**
**GREENACRES, WA**

SHEET
C0.1

JOB NUMBER
15-1463

SE¼ SEC.20, T.25N., R.43E., W.M.

STA. 14+75.66 GLENBROOK ST
POT'S 12+31.87 AND 26+31.87

STA. 15+42.16 GLENBROOK ST
POT'S 13+42.16 AND 27+42.16

STA. 15+60.00 SPRAGUE AVE

# RECORD DRAWING

## CONSTRUCTION NOTES

1. PROVIDE AND INSTALL ROADWAY SECTION PER TYPICAL ROADWAY SECTION - SEE DETAIL A, SHEET C3.0
2. PROVIDE AND INSTALL TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3, TBC=E
3. PROVIDE AND INSTALL SPOKANE COUNTY TYPE 1 CURB INLET PER STANDARD PLANS S-8.
4. PROVIDE AND INSTALL ROADSIDE SWALE, SEE SHEETS C5.0-C5.1 FOR MORE INFORMATION.
5. PROVIDE AND INSTALL STREET NAME SIGN PER SPOKANE COUNTY STANDARD PLANS A-16, A-16A, AND A-16B.
6. PROVIDE AND INSTALL 5' WIDE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
7. PROVIDE AND INSTALL PEDESTRIAN RAMP PER SPOKANE COUNTY STANDARD PLAN A-5 DESIGN B.
8. INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS, SEE DRIVEWAY LOCATION TABLE FOR WIDTH OF DRIVEWAY, SEE THIS SHEET.
9. PROVIDE AND INSTALL 30"X30" "STOP" SIGN PER SPOKANE COUNTY STANDARD PLAN A-19A, A-19B AND M.U.T.C.D. FIGURE 2B-1 (R1-1).
10. INSTALL 4" GRAVEL TEMPORARY TURNAROUND PER SPOKANE STANDARDS AND SPECIFICATIONS. TEMPORARY TURNAROUND TO BE REMOVED DURING CONSTRUCTION OF PHASE 2. SHEET C0.0 FOR PHASE BOUNDARY.

NOTE:
SEE SHEET C3.1 FOR CURB DROP LOCATION TABLES.

### DRIVEWAY LOCATION TABLE

| ALIGNMENT | ℄ OF DW STA. | WIDTH | SIDE |
|---|---|---|---|
| GLENBROOK ST | 9+80.93 | 24 | LEFT |
| GLENBROOK ST | 10+18.59 | 24 | LEFT |
| GLENBROOK ST | 10+80.54 | 24 | LEFT |
| GLENBROOK ST | 11+43.50 | 24 | LEFT |
| GLENBROOK ST | 11+43.50 | 30 | LEFT |
| GLENBROOK ST | 13+93.60 | 30 | LEFT |
| GLENBROOK ST | 13+44.80 | 30 | LEFT |
| GLENBROOK ST | 14+12.86 | 24 | LEFT |
| GLENBROOK ST | 14+66.97 | 24 | LEFT |
| GLENBROOK ST | 15+22.86 | 24 | LEFT |
| GLENBROOK ST | 15+66.86 | 24 | LEFT |
| GLENBROOK ST | 9+77.46 | 24 | RIGHT |
| GLENBROOK ST | 10+31.01 | 24 | RIGHT |
| 1ST AVE | 10+70.62 | 24 | RIGHT |
| 1ST AVE | 11+09.69 | 16 | RIGHT |
| 1ST AVE | 11+99.69 | 16 | RIGHT |
| 1ST AVE | 12+89.69 | 16 | RIGHT |
| 1ST AVE | 13+69.69 | 16 | LEFT |
| 1ST AVE | 11+99.69 | 16 | LEFT |
| 2ND AVE | 13+46.93 | 24 | LEFT |
| 2ND AVE | 13+80.93 | 16 | LEFT |
| 2ND AVE | 14+70.74 | 16 | LEFT |
| 2ND AVE | 13+47.18 | 24 | RIGHT |
| 2ND AVE | 14+35.13 | 16 | RIGHT |
| 2ND AVE | 14+71.84 | 16 | RIGHT |
| WILLAMETTE AVE | 13+58.92 | 30 | LEFT |
| WILLAMETTE AVE | 13+58.76 | 30 | LEFT |
| WILLAMETTE AVE | 14+26.13 | 30 | LEFT |
| WILLAMETTE AVE | 14+76.13 | 24 | LEFT |
| WILLAMETTE AVE | 15+76.13 | 24 | LEFT |
| WILLAMETTE AVE | 16+76.13 | 24 | LEFT |
| WILLAMETTE AVE | 13+57.14 | 30 | RIGHT |
| WILLAMETTE AVE | 14+23.27 | 30 | RIGHT |
| WILLAMETTE AVE | 14+17.26 | 24 | RIGHT |
| WILLAMETTE AVE | 15+16.50 | 24 | RIGHT |
| WILLAMETTE AVE | 15+84.04 | 24 | RIGHT |
| WILLAMETTE AVE | 16+44.27 | 24 | RIGHT |

TEMPORARY TURNAROUND REMOVED FOR CONSTRUCTION OF PHASE 2

"AS-BUILTS" CERTIFICATION STATEMENT
I HEREBY CERTIFY THAT THE INFORMATION SHOWN ON THESE PLANS IS AN ACCURATE REPRESENTATION OF THE AS-BUILT CONDITIONS OF THE PROJECT.
SIGNED: [illegible] DATE: 9-20-17

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

GLENBROOK ST

1ST AVE

2ND AVE

SEE SHEET C3.3 FOR CUL-DE-SAC DETAIL

GRAPHIC SCALE
50 25 50 100
( IN FEET )
1 inch = 50 ft.

## TYPICAL ROAD SECTION

NOT TO SCALE

16.5' ROW | 14.5' | 14.5' | 16.5' ROW

13' JOINT GASEMENT | 5' SIDEWALK | BORDER EASEMENT | 24' | BORDER EASEMENT | 5' SIDEWALK | 13' JOINT GASEMENT

2% | 2% | 4" CSBC | 4" ASPHALT PAVEMENT OVER | 4" CSBC

TBC=E+0.67 | 5" SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1 | SEE SHEET C3.0, DETAIL A FOR ROADWAY SECTION | TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3 | TYPE C AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3 | SEE SHEET C3.0, DETAIL A FOR ROADWAY DETAILS | ESWK=E+0.67

A

## INTERSECTION DETAIL

SCALE: 1" = 20'
STA 15+75.81 GLENBROOK ST = STA 15+91.96 2ND AVE

NOT A PART

1

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

9-20-17

### Curve Table (TBC)

| Curve # | Length | Radius | Delta |
|---|---|---|---|
| C1 | 46.12 | 29.50 | 89.58 |
| C2 | 46.70 | 29.50 | 90.70 |
| C3 | 30.07 | 19.50 | 88.63 |
| C4 | 30.63 | 19.50 | 90.00 |
| C5 | 30.49 | 19.50 | 89.59 |
| C6 | 30.77 | 19.50 | 90.41 |
| C7 | 30.49 | 19.50 | 89.59 |
| C8 | 30.77 | 19.50 | 90.41 |
| C9 | 29.33 | 19.50 | 86.18 |
| C10 | 26.86 | 29.50 | 52.17 |
| C11 | 30.77 | 19.50 | 90.41 |
| C12 | 30.49 | 19.50 | 89.59 |
| C13 | 225.80 | 45.50 | 284.34 |
| C14 | 26.86 | 29.50 | 52.17 |
| C15 | 26.86 | 29.50 | 52.17 |
| C16 | 225.80 | 45.50 | 284.34 |
| C17 | 26.86 | 29.50 | 52.17 |

### Curve Table (TBC)

| Curve # | Length | Radius | Delta |
|---|---|---|---|
| C100 | 83.05 | 200.00 | 18.06 |
| C101 | 64.46 | 200.00 | 18.47 |

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECT LIMITS PUBLIC
PROJECT LIMITS PRIVATE
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE. IT IS THE RESPONSIBILITY OF THE OWNER AND ENGINEER SATISFIES FOR MAINTENANCE OF THESE RECORDS.
NEXT PAGE SHEET(S) IS/ARE NOT PART OF THIS CONSTRUCTION

NAVD - 88
FOUND 2" WASHER STAMPED LS AT THE EASTBOUND ON RAMP OF I-90
STATE #GP24846-41 WITH A
PUBLISHED ELEVATION OF 3065.51

| INIT | DATE | DESCRIPTION |
|---|---|---|
| | 12-5-16 | RECORD DRAWING BY Inland Pacific Engineering Company |
| | | BOND REDUCTION REQUEST BY Inland Pacific Engineering Company |
| TJ | 10-10-16 | CLIENT MODIFICATIONS |
| NO. | DATE | BY REVISIONS |

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

PROJ #: 16-1463
DATE: 09/08/16
DRAWN: NJH
REVIEWED: TRW

CHECKED:
STRUCTURAL
SURVEYING
PLANNING
ENVIRONMENTAL
CIVIL

IWCE
WHITE CROCKETT WARREN ENGINEERS
1910 N. Argonne Rd. Suite 201
Spokane Valley, WA 99212
P.( 509 ) 893-2617 FAX ( 509 ) 893-2701

SPRAGUE AND HENRY
GLENBROOK ST PLAN & PROFILE
MICA VIEW 4TH ADDITION
GREENACRES, WA

SHEET
C3.0

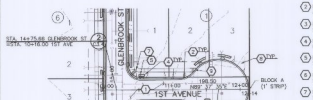
JOB NUMBER
15-1463

SEC. SEC.20, T.25N., R.43E., W.M.

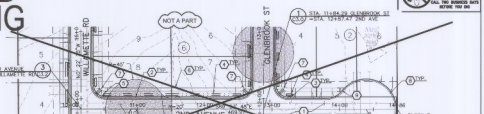
# RECORD DRAWING

## CONSTRUCTION NOTES

1. PROVIDE AND INSTALL ROADWAY SECTION PER TYPICAL ROADWAY SECTION-SEE DETAIL A, SHEET C3.0
2. PROVIDE AND INSTALL TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3, TBC=E
3. PROVIDE AND INSTALL SPOKANE COUNTY TYPE 1 CURB INLET PER STANDARD PLANS B-8.
4. PROVIDE AND INSTALL ROADSIDE SWALE, SEE SHEETS C5.0-C5.2 FOR MORE INFORMATION.
5. PROVIDE AND INSTALL STREET NAME SIGN PER SPOKANE COUNTY STANDARD PLANS A-16, A-16A, A-16B.
6. PROVIDE AND INSTALL 5' WIDE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
7. PROVIDE AND INSTALL PEDESTRIAN RAMP PER SPOKANE COUNTY STANDARD PLAN A-6 DESIGN B.
8. INSTALL DRIVEWAY PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS, SEE DRIVEWAY LOCATION TABLE FOR DRIVEWAY WIDTH, SEE SHEET C3.0.
9. PROVIDE AND INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.16-02.
10. INSTALL 4" GRAVEL TEMPORARY TURNAROUND PER SPOKANE STANDARDS AND SPECIFICATIONS. TEMPORARY TURNAROUND TO BE REMOVED DURING CONSTRUCTION OF PHASE 3. SEE SHEET C0.0 FOR PHASE BOUNDARY.




1ST AVENUE PLAN
SCALE: 1" = 50'



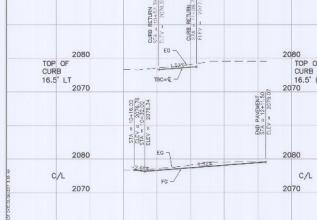

2ND AVENUE PLAN
SCALE: 1" = 50'

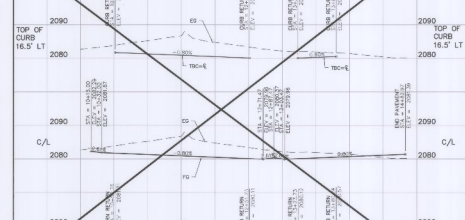
GRAPHIC SCALE
50 0 50 100
( IN FEET )
1 inch = 50 ft.

N
W E
S

| Curve Table (TBC) | | | |
|---|---|---|---|
| Curve # | Length | Radius | Delta |
| C1 | 46.12 | 29.50 | 89.58 |
| C2 | 46.70 | 29.50 | 90.70 |
| C3 | 30.57 | 19.50 | 89.83 |
| C4 | 30.63 | 19.50 | 90.00 |
| C5 | 30.49 | 19.50 | 89.59 |
| C6 | 30.77 | 19.50 | 90.41 |
| C7 | 30.49 | 19.50 | 89.59 |
| C8 | 30.77 | 19.50 | 90.41 |
| C9 | 28.33 | 19.50 | 83.18 |
| C10 | 26.86 | 29.50 | 52.17 |
| C11 | 30.77 | 19.50 | 90.41 |
| C12 | 30.49 | 19.50 | 89.59 |
| C13 | 220.80 | 45.50 | 284.34 |
| C14 | 26.86 | 29.50 | 52.17 |
| C15 | 26.86 | 29.50 | 52.17 |
| C16 | 220.80 | 45.50 | 284.34 |
| C17 | 26.86 | 29.50 | 52.17 |

| Curve Table (TBC) | | | |
|---|---|---|---|
| Curve # | Length | Radius | Delta |
| C100 | 63.05 | 200.00 | 18.06 |
| C101 | 64.46 | 200.00 | 18.47 |




| CURB INLET TABLE | | |
|---|---|---|
| ALIGNMENT | STATION | SIDE |
| GLENROOK ST | 10+78.19 | LEFT |
| GLENROOK ST | 10+59.82 | LEFT |
| GLENROOK ST | 11+46.50 | LEFT |
| GLENROOK ST | 12+03.50 | LEFT |
| GLENROOK ST | 12+46.96 | LEFT |
| GLENROOK ST | 12+77.34 | LEFT |
| GLENROOK ST | 13+70.21 | LEFT |
| GLENROOK ST | 13+92.02 | LEFT |
| GLENROOK ST | 14+76.97 | LEFT |
| GLENROOK ST | 15+00.55 | LEFT |
| GLENROOK ST | 15+19.50 | LEFT |
| GLENROOK ST | 10+46.07 | RIGHT |
| GLENROOK ST | 10+74.51 | RIGHT |
| GLENROOK ST | 11+45.95 | RIGHT |
| GLENROOK ST | 12+36.90 | RIGHT |
| GLENROOK ST | 12+99.54 | RIGHT |
| GLENROOK ST | 13+74.80 | RIGHT |
| GLENROOK ST | 14+37.66 | RIGHT |
| GLENROOK ST | 14+53.76 | RIGHT |
| GLENROOK ST | 15+13.70 | RIGHT |
| GLENROOK ST | 15+53.74 | RIGHT |
| 2ND AVE | 10+52.74 | LEFT |
| 2ND AVE | 11+59.62 | LEFT |
| 2ND AVE | 12+40.29 | LEFT |
| 2ND AVE | 13+25.31 | LEFT |
| 2ND AVE | 10+51.07 | RIGHT |
| 2ND AVE | 11+44.62 | RIGHT |
| 2ND AVE | 12+42.73 | RIGHT |
| 2ND AVE | 13+23.73 | RIGHT |
| 2ND AVE | 14+13.91 | RIGHT |
| 2ND AVE | 14+49.01 | RIGHT |

| CURB INLET TABLE | | |
|---|---|---|
| ALIGNMENT | STATION | SIDE |
| WILLAMETTE RD | 13+73.57 | LEFT |
| WILLAMETTE RD | 14+08.24 | LEFT |
| WILLAMETTE RD | 14+38.16 | LEFT |
| WILLAMETTE RD | 15+01.53 | LEFT |
| WILLAMETTE RD | 15+44.53 | LEFT |
| WILLAMETTE RD | 13+09.56 | LEFT |
| WILLAMETTE RD | 13+48.71 | LEFT |
| WILLAMETTE RD | 14+42.65 | LEFT |
| WILLAMETTE RD | 15+26.27 | LEFT |
| WILLAMETTE RD | 15+63.93 | LEFT |
| WILLAMETTE RD | 16+21.27 | LEFT |
| SPRAGUE AVE | 14+50.18 | RIGHT |
| SPRAGUE AVE | 15+11.91 | RIGHT |
| SPRAGUE AVE | 15+58.06 | RIGHT |
| SPRAGUE AVE | 17+33.28 | RIGHT |
| 1ST AVE | 10+34.27 | LEFT |
| 1ST AVE | 11+41.88 | LEFT |
| 1ST AVE | 11+74.06 | LEFT |
| 1ST AVE | 12+54.66 | LEFT |


OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILT"
COPY


5/25/17


SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT - ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECTS LANE MILES: PUBLIC
PROJECT LANE MILES PRIVATE:
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS ARE THE RESPONSIBILITY OF THE PROJECT ENGINEER AND THE OWNER(S) OF THE ROAD. NO RESPONSIBILITY OR WARRANTY IS IMPLIED BY THE COUNTY.
NOTIFY PUBLIC WORKS 2 BUSINESS DAYS PRIOR TO PHASE 2 COMPLETION



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE AND BELIEF IT IS BEEN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.
7-20-17


NAVD - 88
FOUND 3" WIDDOT BRASS CAP AT THE EASTERLY END ON RAMP CP 130
PUBLISHED ELEVATION OF 2053.31
PUBLISHED ELEVATION OF 2053.31

| NO. | DATE | BY | CLIENT MODIFICATIONS / REVISIONS |
|---|---|---|---|
| 1 | 9-19-16 | JW | |
| | 5/17 | | RECORD DRAWING BY Inland Pacific Engineering Company |
| | 07.6.16 | | RONDI REJCYNOR CUERT 89 Inland Pacific Engineering, Company |

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

PROJ #: 15-1463
DATE: 05/05/16
DRAWN: RJH
REVIEWED: TRW

DESIGNER
PLANNING
SURVEY
PLANNING
LANDSCAPE
OTHER


WCE
WARE C. ESVELT ENGINEERING
2509 NORTH HULL AVENUE
SPOKANE, WASHINGTON 99212
PH 509.536.0411 FAX 509.535.0327


SPRAGUE AND HENRY
1ST & 2ND AVE. PLAN & PROFILE
MICA VIEW 4TH ADDITION
GREENACRES, WA

SHEET
C3.1

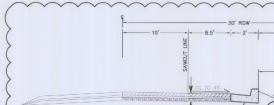
JOB NUMBER
15-1463

SE¼, SEC.20, T.25N., R.43E., W.M.

## CONSTRUCTION NOTES

1. SAWCUT PAVEMENT 10' RIGHT OF CENTERLINE AND REMOVE EXISTING ASPHALT, TACK COAT AND MATCH TO EXISTING ASPHALT WITH NEW ASPHALT PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS.
2. CONSTRUCT ROAD WIDENING PER TYPICAL WIDENING SECTION, SEE DETAIL B THIS SHEET.
3. PROVIDE AND INSTALL TYPE B VERTICAL CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3. TBC=E
4. PROVIDE AND INSTALL SPOKANE COUNTY TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8.
5. PROVIDE AND INSTALL STREET NAME SIGN PER SPOKANE COUNTY STANDARD PLANS A-16, A-16A, A-16B.
6. PROVIDE AND INSTALL STORM POND, SEE SHEETS C5.0-C5.1 FOR MORE INFORMATION.
7. PROVIDE AND INSTALL 5' WIDE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-1.
8. PROVIDE AND INSTALL PEDESTRIAN RAMP PER SPOKANE COUNTY STANDARD PLAN A-4 DESIGN B.
9. POWER POLE TO BE RELOCATED TO 2' MINIMUM BEHIND BACK OF CURB PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS. COORDINATE WITH AVISTA.
10. WATER METER TO BE RELOCATED BEHIND CURB PER SPOKANE COUNTY STANDARDS AND SPECIFICATIONS AND CONSOLIDATED IRRIGATION DISTRICT.
11. CONSTRUCT 133' TAPER FROM EXISTING EDGE OF PAVEMENT TO EDGE OF GUTTER. SEE CALCULATIONS. THIS SHEET.
12. CONSTRUCT 44.5' TAPER FROM EXISTING EDGE OF PAVEMENT TO EDGE OF GUTTER. SEE CALCULATIONS. THIS SHEET.
13. ADJUST EXISTING DRIVEWAY TO MATCH PAVEMENT EDGE.
14. RELOCATE EXISTING TRAFFIC SIGN TO 2' BEHIND CURB PER SPOKANE STANDARDS.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO WORKING DAYS BEFORE YOU DIG




## TYPICAL WIDENING SECTION - SPRAGUE AVE (8)

STA. 14+21.32 TO STA. 17+58.20
NOT TO SCALE

## RECORD DRAWING

### TAPER CALCULATIONS

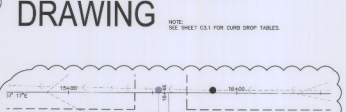
L=W(S)*/60

6.5(37')/60=13.3' (DEPARTING)

13.3'/2=6.6' (ARRIVING)

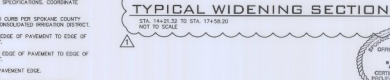
NOTE:
SEE SHEET C3.1 FOR CURB DROP TABLES.

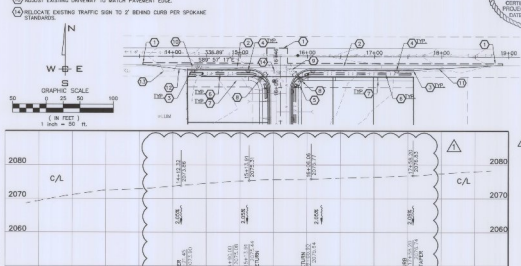
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 20-15463
DATE ACCEPTED - 5/26/17




## INTERSECTION DETAIL (4)

SPRAGUE AVE & GLENBROOK ST
SCALE: 1"=20'




NAVD - 88
FOUND 2" WEST BRASS CAP AT THE INTERSECTION ON RAMP OF I-90
STATE HIGHWAY BENCH MARK
#1 (HILGHWAY) ELEVATION OF 2332.31

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

7-20-17

FIELD INFORMATION / Office Calculations

| | Station | Sawcut Elev | Sawcut Grade | Flat Cut to Sawcut | Flat Sawcut at EOP | Proposed Curb Elev--EP Elev | Proposed TBC Grade | Proposed Grade/Slope |
|---|---|---|---|---|---|---|---|---|
| BEGIN CURB | 1452.45 | 2073.60 | | 10 | 8.50 | 2073.08 | | 0.0318 |
| | | | 0.0114 | | | | 0.0171 | |
| | 1452.28 | 2073.62 | | 10 | 8.50 | 2074.08 | | 0.0318 |
| | | | 0.0131 | | | | 0.0172 | |
| | 1452.03 | 2074.18 | | 10 | 8.50 | 2074.39 | | 0.0334 |
| | | | 0.0166 | | | | 0.0175 | |
| | 1452.03 | 2074.68 | | 10 | 8.50 | 2074.74 | | 0.0271 |
| | | | 0.0215 | | | | 0.0178 | |
| | 1452.03 | 2075.31 | | 10 | 8.50 | 2075.08 | | 0.0376 |
| | | | 0.0134 | | | | 0.0151 | |
| CURB RETURN | 1513.83 | 2075.33 | | 10 | 8.50 | 2075.44 | | 0.0329 |
| | | | 1.3769 | | | | 1.3709 | |
| | | | | | | | 1.2993 | |
| CURB RETURN | 1583.50 | 2075.55 | | 10 | 8.50 | 2075.64 | | 0.0353 |
| | | | 0.0282 | | | | 0.0273 | |
| | 1625.52 | 2076.65 | | 10 | 8.50 | 2076.79 | | 0.0336 |
| | | | 0.0283 | | | | 0.0272 | |
| | 1667.50 | 2078.85 | | 10 | 8.50 | 2078.96 | | 0.0329 |
| | | | 0.0259 | | | | 0.0272 | |
| | 1673.00 | 2079.99 | | 10 | 8.50 | 2079.14 | | 0.0282 |
| | | | 0.0303 | | | | 0.0270 | |
| | 1696.00 | 2076.11 | | 10 | 8.50 | 2076.39 | | 0.0239 |
| | | | 0.0360 | | | | 0.0270 | |
| | 1716.00 | 2076.23 | | 10 | 8.50 | 2076.43 | | 0.0224 |
| | | | 0.0366 | | | | 0.0271 | |
| | 1733.25 | 2076.35 | | 10 | 8.50 | 2076.66 | | 0.0312 |
| | | | 0.0120 | | | | 0.0272 | |
| END CURB | 1758.31 | 2076.65 | | 10 | 8.50 | 2076.74 | | 0.0353 |
| | | | 1.1311 | | | | 1.1353 | |

| Curve Table (TBC) | | | | Curve Table (TBC) | | | |
|---|---|---|---|---|---|---|---|
| Curve # | Length | Radius | Delta | Curve # | Length | Radius | Delta |
| C1 | 46.12 | 29.50 | 89.58 | C100 | 63.05 | 200.00 | 18.06 |
| C2 | 46.70 | 29.50 | 90.70 | C101 | 64.46 | 200.00 | 18.47 |
| C3 | 30.57 | 19.50 | 89.83 | | | | |
| C4 | 30.63 | 19.50 | 90.00 | | | | |
| C5 | 30.49 | 19.50 | 89.59 | | | | |
| C6 | 30.77 | 19.50 | 90.41 | | | | |
| C7 | 30.49 | 19.50 | 89.59 | | | | |
| C8 | 30.77 | 19.50 | 90.41 | | | | |
| C9 | 29.33 | 19.50 | 86.18 | | | | |
| C10 | 26.86 | 29.50 | 52.17 | | | | |
| C11 | 30.77 | 19.50 | 90.41 | | | | |
| C12 | 30.49 | 19.50 | 89.59 | | | | |
| C13 | 225.80 | 45.50 | 284.34 | | | | |
| C14 | 26.86 | 29.50 | 52.17 | | | | |
| C15 | 26.86 | 29.50 | 52.17 | | | | |
| C16 | 225.80 | 45.50 | 284.34 | | | | |
| C17 | 26.86 | 29.50 | 52.17 | | | | |

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECTS LANE MILES PUBLIC
PROJECT LANE MILES PRIVATE
ANY CHANGES MADE TO THESE APPROVED PLANS BY ANY PERSON OTHER THAN THE ENGINEER WHO SIGNED PRIOR TO COUNTY ACCEPTANCE, AND ESTABLISHMENT OF THE GUARANTEE AND SURETY, SHALL VOID THE ENGINEER'S PERMIT RESPONSIBLE ONLY TO CHANGE.
NOTIFY PERMIT ENGINEER 2 WORKING DAYS PRIOR TO CONSTRUCTION

| NO. | DATE | BY | REVISIONS |
|---|---|---|---|
| 1 | 8/17 | | RECORD DRAWINGS BY Inland Pacific Engineering Company |
| 2 | 12/16 | | BOND REDUCTION REQUEST BY Inland Pacific Engineering Company |
| 3 | 3-16-17 | JPP | CLIENT MODIFICATIONS |

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

PROJ #: 15-1463
DATE: 03/03/16
DRAWN: JPP
REVIEWED: TRW

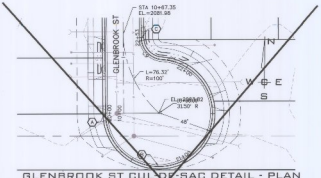
WCE
WHITLEY CONSULTING ENGINEERS
1115 W. RIVERSIDE, SUITE 201
SPOKANE WA 99201 USA
PH 509-838-6113 FAX 509-838-6129

SPRAGUE AND HENRY
SPRAGUE AVE PLAN & PROFILE
MICA VIEW 4TH ADDITION
GREENACRES, WA

SHEET
C3.3

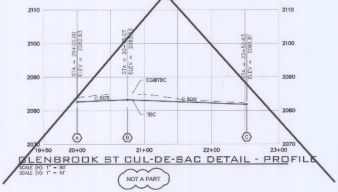
JOB NUMBER
15-1463

SEC. SEC.20, T.25N., R.43E., W.M.




GLENBROOK ST CUL-DE-SAC DETAIL - PLAN

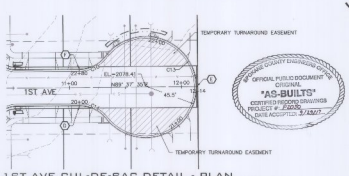
SCALE: 1" = 30'




GLENBROOK ST CUL-DE-SAC DETAIL - PROFILE

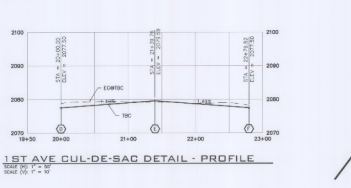
SCALE (V): 1" = 10'

NOT A PART




1ST AVE CUL-DE-SAC DETAIL - PLAN

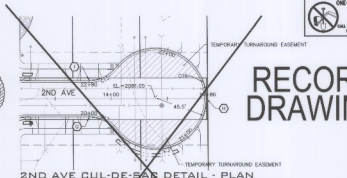
SCALE: 1" = 30'




1ST AVE CUL-DE-SAC DETAIL - PROFILE

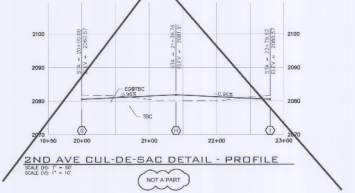
SCALE (V): 1" = 10'

NOT A PART




2ND AVE CUL-DE-SAC DETAIL - PLAN

SCALE: 1" = 30'




2ND AVE CUL-DE-SAC DETAIL - PROFILE

SCALE (V): 1" = 10'

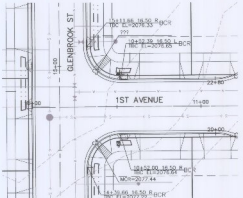
NOT A PART

# RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

| Curve Table (TBC) | | | |
|---|---|---|---|
| Curve # | Length | Radius | Delta |
| C1 | 46.12 | 29.50 | 89.58 |
| C2 | 46.70 | 29.50 | 90.70 |
| C3 | 30.57 | 19.50 | 89.83 |
| C4 | 30.63 | 19.50 | 90.00 |
| C5 | 30.49 | 19.50 | 89.59 |
| C6 | 30.77 | 19.50 | 90.41 |
| C7 | 30.49 | 19.50 | 89.59 |
| C8 | 30.77 | 19.50 | 90.41 |
| C9 | 29.33 | 19.50 | 86.18 |
| C10 | 26.86 | 29.50 | 52.17 |
| C11 | 30.77 | 19.50 | 90.41 |
| C12 | 30.49 | 19.50 | 89.59 |
| C13 | 225.80 | 45.50 | 284.34 |
| C14 | 26.86 | 29.50 | 52.17 |
| C15 | 26.86 | 29.50 | 52.17 |
| C16 | 225.80 | 45.50 | 284.34 |
| C17 | 26.86 | 29.50 | 52.17 |

| Curve Table (TBC) | | | |
|---|---|---|---|
| Curve # | Length | Radius | Delta |
| C100 | 43.05 | 200.00 | 18.06 |
| C101 | 64.46 | 200.00 | 18.47 |

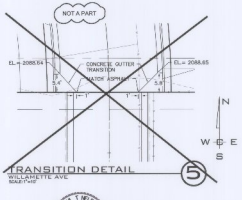



INTERSECTION DETAIL

SCALE: 1" = 20'

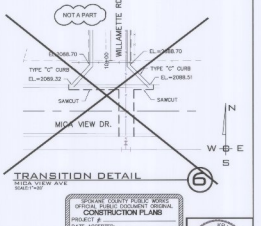
STA 11+71.68 GLENBROOK ST TO 10+00.00 1ST AVE

2




TRANSITION DETAIL

5




TRANSITION DETAIL

6

GRAPHIC SCALE

( IN FEET )
1 inch = 50 ft.

NAVD - 88

COUNTY MONUMENT BRASS CAP AT THE CENTERLINE ON PART OF 9.93 CURVE AT THE INTERSECTION. PUBLISHED ELEVATION OF 2055.31

| | | |
|---|---|---|
| SCALE: | PROJ #: | 15-1463 |
| HORIZONTAL: 1"=50' | DATE: | 03/03/16 |
| VERTICAL: 1"= 10' | DRAWN: | JPP |
| | REVIEWED: | TRW |

| | | |
|---|---|---|
| BY | RECORD DRAWING BY Inland Pacific Engineering Company | |
| 12/6/16 | BOND REDUCTION PER REQUEST BY Inland Pacific Engineering Company | |
| 1 | 3/10/16 | JPP | CLIENT MODIFICATIONS |
| NO. | DATE | BY | REVISIONS |

| | |
|---|---|
| CIVIL | |
| STRUCTURAL | |
| SURVEYING | |
| TRAFFIC | |
| DRAWING | |
| PLANNING | |

WHISPLE CONSULTING ENGINEERS, INC.
3510 S. GRAY, SUITE A, SPOKANE, WA 99223
PH: 509.838.6113 FAX: 509.838.8007

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.

9-20-17

STATE OF WASHINGTON
TRAVIS R. NELSON
21625
REGISTERED PROFESSIONAL ENGINEER

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: _____
DATE ACCEPTED: _____
ACCEPTANCE EXPIRES: _____
PROJECTS LANE MILES: PUBLIC: _____
PRIVATE: _____ TOTAL: _____
RECORD DRAWINGS "AS-BUILTS" ARE REQUIRED PRIOR TO RELEASE OF BOND OR ACCEPTANCE OF ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED (CHG) 17-1660
ADDRESS _____
ENGINEER _____
SURVEYOR _____

STATE OF WASHINGTON
JOHN P. WILLIAMS
21625
REGISTERED PROFESSIONAL ENGINEER

SPRAGUE AND HENRY
INTERSECTION DETAILS
MICA VIEW 4TH ADDITION
GREENACRES, WA

SHEET
C3.4

JOB NUMBER
15-1463

SE¼, SEC.20, T.25N., R.43E., W.M.

## CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 4' WIDE, TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8.
2. PROVIDE AND INSTALL ROADSIDE SWALE PER DETAILS, THIS SHEET. SEE SWALE LOCATION TABLE, SEE SHEET C5.1.
3. PROVIDE AND INSTALL TYPE A DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-7A.

NOTE:
THE TYPICAL SETBACK DISTANCE FOR SWALE BOTTOM ENDS WITH PEDESTRIAN RAMPS AND DRIVEWAY APPROACHES IS 3 FEET.

**BASIN K (SWALE K1)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=196 S.F.
TREATMENT AREA PROVIDED=239 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN D (SWALE D1-D3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=1,017 S.F.
TREATMENT AREA PROVIDED=1,017 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN E (SWALE E1-E5)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=669 S.F.
TREATMENT AREA PROVIDED=1,159 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN C (SWALE C1-C3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=623 S.F.
TREATMENT AREA PROVIDED=993 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN A (SWALE A1-A6)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=1,417 S.F.
TREATMENT AREA PROVIDED=2,106 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN B (SWALE B1-B3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=618 S.F.
TREATMENT AREA PROVIDED=887 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN J (SWALE J1)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=315 S.F.
TREATMENT AREA PROVIDED=427 S.F.
MINIMUM BERM ELEV.=VARIES

GRAPHIC SCALE
20 0 10 20 40
( IN FEET )
1 inch = 20 ft.

NOT A PART

STA 14+44.78
RIM 2072.38

STA 16+01.23
RIM 2074.37

SPRAGUE AVE

GLENBROOK ST.

SPRAGUE AVENUE
SCALE: 1" = 20'

GLENBROOK STREET
SCALE: 1" = 20'
STA. 10+00 TO STA. 12+55.42

GLENBROOK STREET
SCALE: 1" = 20'
STA. 12+55.42 TO STA. 16+42

1ST AVE

2ND AVE

MATCH POINT STA 12+50.00

STA 11+43.47
RIM 2080.02

STA 15+00.62
RIM 2074.49

STA 16+00.64
RIM 2074.19

OFFICIAL PUBLIC DOCUMENT
OF SPOKANE
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 15-1463
DATE 7/25/17

RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO WORKING DAYS BEFORE YOU DIG

MATCH POINT STA 12+50.00

18.5' ROW
16.5'
3' 3' 4' 5'
SWALE BOTTOM EL VARIES
DRYWELL
ROAD
TYPE "B" CURB AND GUTTER
TREATMENT SOIL
SLOPE 2%
3:1 MAX
0.5' MIN. BELOW ROAD
0.5' MIN. BELOW ROAD

## TYPICAL SWALE SECTION
NOT TO SCALE

**TREATMENT SOIL NOTE:**
12" OF TREATMENT SOIL WITH AN INFILTRATIVE RATE BETWEEN 0.25 AND 0.5 INCHES/HOUR AND AVERAGE CATION EXCHANGE CAPACITY OF AT LEAST 15 MILLIQUIVALENTS/100 GRAMS OR AT LEAST 2% OF ORGANIC MATTER BY WEIGHT. SEE TABLE 6-1, PG. 6-18 OF THE SPOKANE REGIONAL STORMWATER MANUAL

WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS POND BOTTOM MATERIAL

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.

7-26-17

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECTS LANE MILES: PUBLIC
CONSTRUCTION ENTRANCE(S) REQUIRED
CONSTRUCTION ENTRANCE(S) ARE CERTIFIED
RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO FINAL ACCEPTANCE OF PUBLIC ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED (SCI) 477-3600
NOTE: THIS DOCUMENT IS NOT VALID UNLESS SIGNED AND DATED BY THE COUNTY ENGINEER

NAVD - 88
GROUND CONTROL WAS ESTABLISHED USING GPS OBSERVATIONS AND THE NATIONAL GEODETIC SURVEY ON-LINE POSITIONING USER SERVICE (OPUS) SOLUTION REPORT.
GROUND CONTROL POINT #1 (POINT OF BEGINNING) IS A 5/8" REBAR WITH CAP AT THE SOUTHEAST CORNER OF LOT 1, BLOCK 1 OF MICA VIEW 4TH ADDITION AS RECORDED IN BOOK 32 OF PLATS, PAGE 10, RECORDS OF SPOKANE COUNTY, WASHINGTON.
ELEVATION: 2,049.51 (NAVD 88 DATUM)

| NO | DATE | BY | DESCRIPTION |
|---|---|---|---|
| 1 | 3-15-16 | JPP | CLIENT MODIFICATIONS |
| NO 1 PART | | BY | TRANSCEND |

BENCH DRAWING BY Inland Pacific Engineering Company
BOND RECEIVED IN AMOUNT OF Inland Pacific Engineering Company

**SCALE:**
HORIZONTAL: 1"=20'
VERTICAL: N/A

PROJ #: 16-1463
DATE: 03/30/16
DRAWN: NJH
REVIEWED: TRW

XREFS:
STRUCTURAL
SURVEYING
TRAFFIC
PLUMBING
ARCHITECT
CIVIL

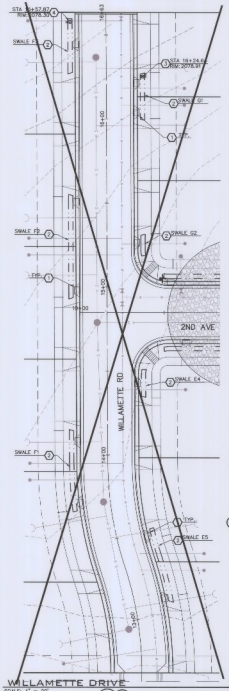
IWCE
INTERFACE CONSULTING ENGINEERS
1903 W. BRUCE, SPOKANE, WA 99201
509.325.8778 FAX 509.325.8780

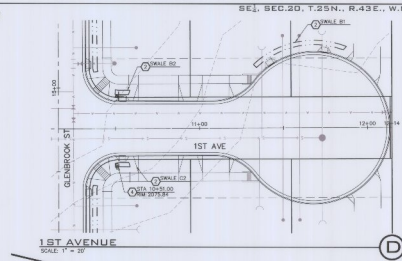
**SPRAGUE AND HENRY**
**STORM PLAN**
**MICA VIEW 4TH ADDITION**
**GREENACRES, WA**

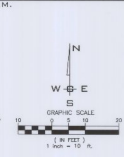
SHEET
C5.0

JOB NUMBER
15-1463

SE¼, SEC.20, T.25N., R.43E., W.M.



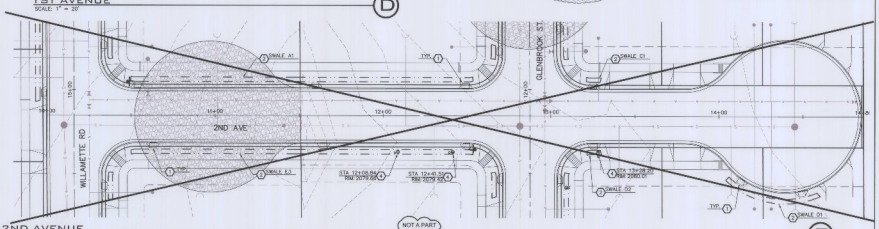

## CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 4' WIDE, TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN S-5.
2. PROVIDE AND INSTALL ROADSIDE SWALE PER DETAILS, THIS SHEET. SEE SWALE LOCATION TABLE, THIS SHEET.
3. PROVIDE AND INSTALL TYPE A DRYWELL PER SPOKANE COUNTY STANDARD PLAN S-1A.
4. PROVIDE AND INSTALL TYPE B DRYWELL PER SPOKANE COUNTY STANDARD PLAN S-1B.

NOTE:
THE TYPICAL SETBACK DISTANCE FOR SWALE BOTTOM ENDS WITH PEDESTRIAN RAMPS AND DRIVEWAY APPROACHES IS 3 FEET.

SPOKANE COUNTY ENGINEER
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P20XX
DATE ACCEPTED: 9/26/17

# RECORD DRAWING



**BASIN A (SWALE A1–A6)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=1,276 S.F.
TREATMENT AREA PROVIDED=1,276 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN B (SWALE B1–B3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=618 S.F.
TREATMENT AREA PROVIDED=617 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN C (SWALE C1–C5)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=423 S.F.
TREATMENT AREA PROVIDED=580 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN D (SWALE D1–D3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=511 S.F.
TREATMENT AREA PROVIDED=542 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN E (SWALE E1–E5)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=1,276 S.F.
TREATMENT AREA PROVIDED=1,276 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN E (SWALE F1–F3)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=618 S.F.
TREATMENT AREA PROVIDED=617 S.F.
MINIMUM BERM ELEV.=VARIES

**BASIN G (SWALE G1, G2)**
FINISHED GRADE POND BOTTOM EL=VARIES
SWALE BOTTOM AREA PROVIDED=423 S.F.
TREATMENT AREA PROVIDED=580 S.F.
MINIMUM BERM ELEV.=VARIES

NOT A PART

JAY T. NELSON
REGISTERED PROFESSIONAL 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
9-20-17

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECT ROAD MILES: PUBLIC
PROJECT LANE MILES: PRIVATE:
CONSTRUCTION DOCUMENTATION ARE DEFINED AS THE PLANS, SPECIFICATIONS, AND REPORTS TO COVER CONSTRUCTION AND ESTABLISHMENT OF ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE BY SPOKANE COUNTY.
NOTIFY PUBLIC WORKS 48 HOURS PRIOR TO CONSTRUCTION

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO WORKING DAYS BEFORE YOU DIG

NOT A PART

NAVD - 88
BOUND BY 3" BRASS CAP AT THE INTERSECTION ON PAINT STA 0+00 AS SHOWN AND DESCRIBED AT WITH DPLAN SHEET 03 OF PLAN SET OF 20 SHEETS

| NO. | DATE | BY | CLIENT MODIFICATIONS REVISIONS |
|---|---|---|---|
| 1 | 9-19-16 | JD | |
| | 8/17 | | BOUNDARY DRAWING BY Inland Pacific Engineering Company |
| | 12-5-16 | | BOND REDUCTION AS SET BY Inland Pacific Engineering Company |

**SCALE:**
HORIZONTAL: 1" = 20'
VERTICAL: N/A

| | |
|---|---|
| PROJ #: | 16-1463 |
| DATE: | 09/23/16 |
| DRAWN: | NJH |
| REVIEWED: | TRW |

WCE
WHITE CROSS ENGINEERING
SPOKANE VALLEY, WA 99212
PH: 509.928.2611 FAX: 509.928.2661

**SPRAGUE AND HENRY**
**STORM PLAN**
**MICA VIEW 4TH ADDITION**
**GREENACRES, WA**

SHEET
C5.1
JOB NUMBER
15-1463