MEADOWVIEW TERRACE

STREET COVER SHEET

SECTION 20, T 25 N, P 45 E, W M
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

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DETAIL SHEET ..... SHEET 3
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GENERAL NOTES

[illegible]

STREET GENERAL NOTES

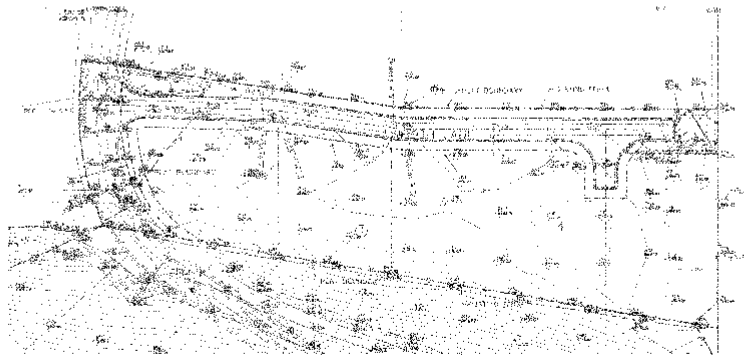
[illegible]

LEGEND

[illegible]

ABBREVIATIONS

[illegible]



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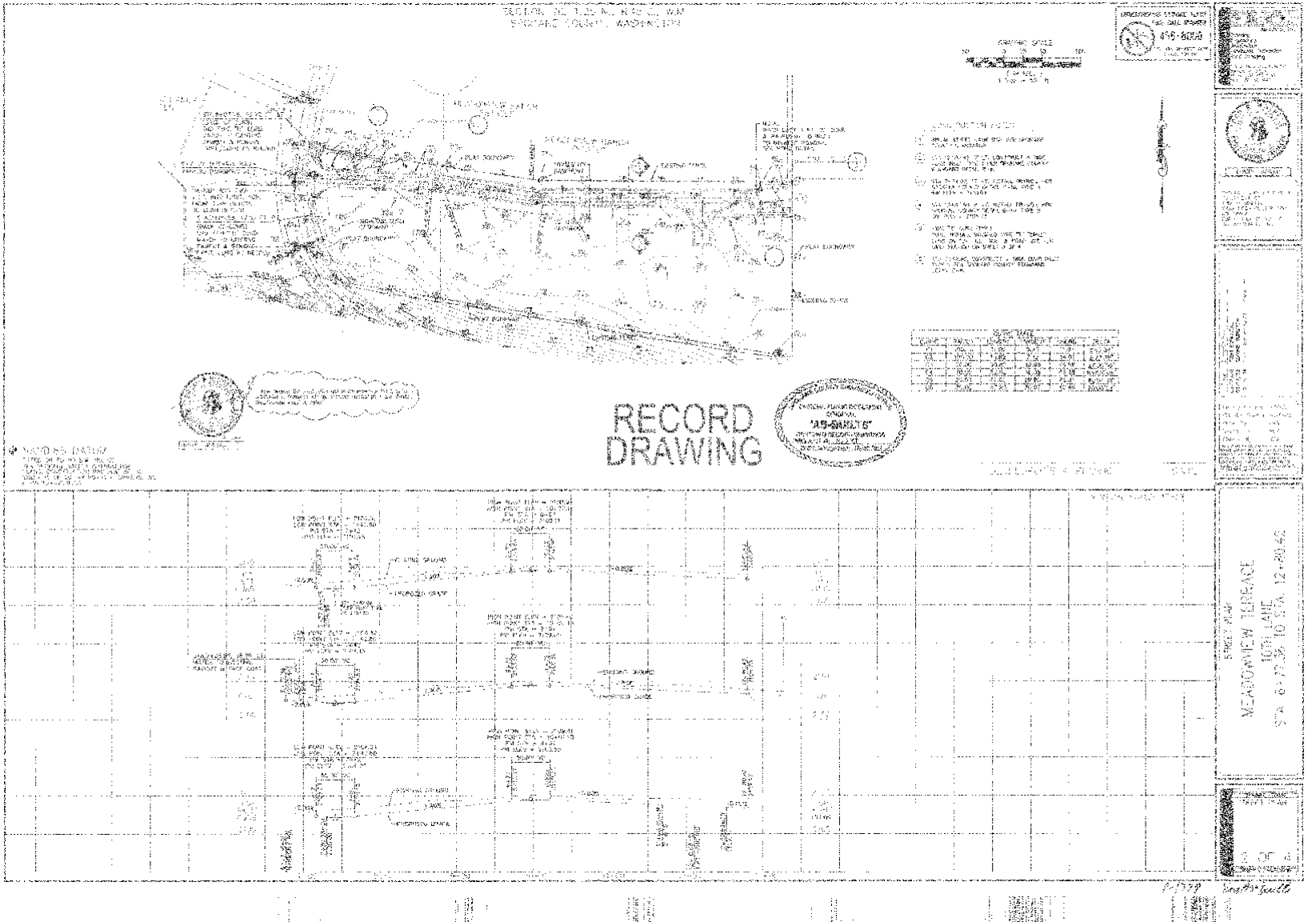
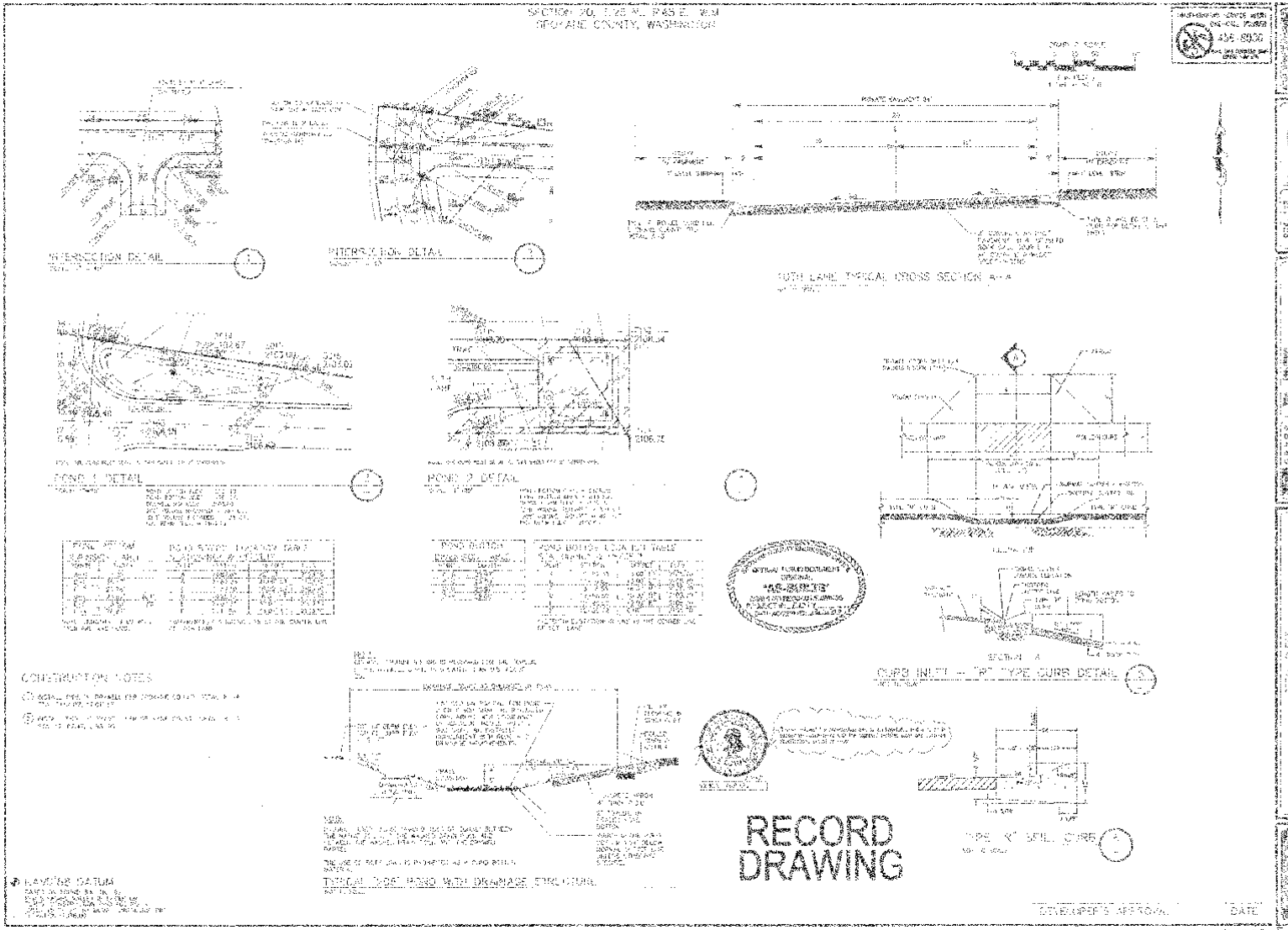
DEVELOPER'S APPROVAL DATE


RECORD
DRAWING
"AS-BUILTS"
MEADOWVIEW TERRACE
10TH LANE
2 OF 4

SECTION 20, T.25 N., R.45 E., W.M.
SPOKANE COUNTY, WASHINGTON



TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

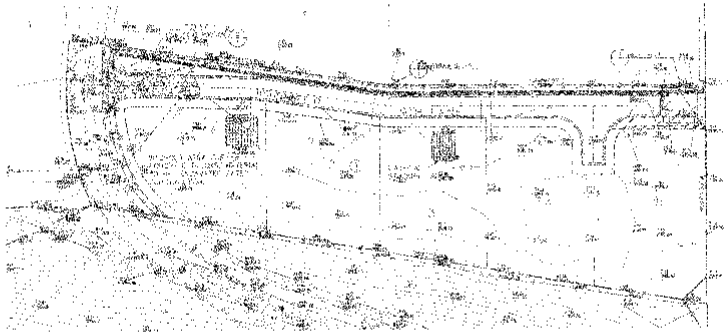
SECTION 29, T.25 N., R.45 E., W.M.
SPOKANE COUNTY, WASHINGTON

RECORD DRAWING

AS-BUILTS

LEGEND

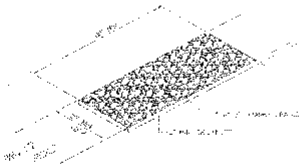
LEGAL DESCRIPTION



TEMPORARY EROSION & SEDIMENT CONTROL

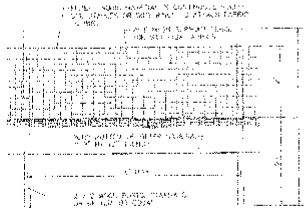
GENERAL NOTES AND INFORMATION

MAINTENANCE

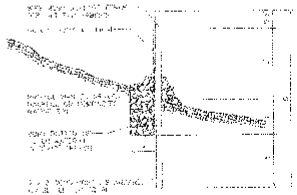


ROCK CONSTRUCTION EXIT

STRAW BALE DETAIL



SILT FENCE DETAIL



DITCH

STREET IMPROVEMENT PLANS

MEADOWVIEW TERRACE CREEK CROSSINGS

SPOKANE COUNTY, WASHINGTON

SECTION 20, T. 25 N., R. 45 E., 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 **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.

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 **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.

4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH **THE 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.**

18. **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.

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

20. 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 **COUNTY 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.

21. 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.

22. 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.

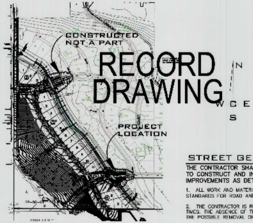
23. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ANY AND ALL INCONSISTENCIES BETWEEN THESE PLANS AND CONSTRUCTION STAKING. CONTRACTOR ASSUMES RESPONSIBILITY TO CONSTRUCT TO THESE PLANS IN LIEU OF FIELD STAKING. SHOULD INCONSISTENCIES BE APPARENT THE CONTRACTOR SHALL CONTACT THE ENGINEER,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

ABBREVIATIONS

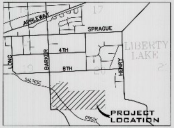
ACT. LEN.	ACTUAL LENGTH	GB	GRADE BREAK	PRC	POINT OF REVERSE CURVE
BCR	BEGINNING OF CURVE RADIUS	FT./FT.	FEET PER FOOT	PT	POINT OF TANGENCY
BDRY.	BOUNDARY	HYD.	HYDRANT	RIM EL.	RIM ELEVATION
CO.	SEWER CLEANOUT	I.E.	INVERT ELEVATION	RD	ROAD
CSTC	CRUSHED SURFACE TOP COURSE	LN.	LANE	RT.	RIGHT
		LT	LEFT	SI	STREET INTERSECTION
CT.	COURT	MH	MANHOLE	SS	SANITARY SEWER
DIA.	DIAMETER	MCR	MIDDLE OF CURVE RADIUS	STA.	STATION
ECR	END OF CURVE RADIUS	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 DATUM
BASED ON FOUND BENCH MARK NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V. SHEET 15 OF 20 BY BOVAY ENGINEERS, INC. ELEVATION = 2036.00

DEVELOPER'S APPROVAL ____________ DATE ________



SITE PLAN



VICINITY MAP

STREETS
SPOKANE COUNTY
1026 WEST BROADWAY AVE
SPOKANE, WASHINGTON, 99260
PHONE: 509-477-3600
FAX: 509-477-7655
CONTACT: MATT ZARECOR, P.E.

BUILDING OFFICIAL
SPOKANE COUNTY BLDG & PLAN
1026 WEST BROADWAY AVE
SPOKANE, WASHINGTON, 99260
PHONE: 509-477-7200
FAX: 509-477-4703
CONTACT: JOHN PEDERSON

SEWER
SPOKANE COUNTY UTILITIES
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-7298
FAX: 509-477-4715
CONTACT: BILLY URHAUSEN

WATER
CONSOLIDATED IRRIG. DIST. #19
NORTH 120 GREENACRES ROAD
SPOKANE VALLEY, WA 99016
PHONE: 509-924-3655
FAX: 509-924-3927
CONTACT: BOB ASHCRAFT

FIRE
SPOKANE VALLEY FIRE DEPT.
2120 NORTH WILBUR ROAD
SPOKANE VALLEY, WA 99206
PHONE: 509-928-1700
FAX: 509-892-4127
CONTACT: TRACI HARVEY

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-324-1560-1
FAX: 509-324-3603
CONTACT: DON COPLEY

GAS / POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220
PHONE: 1-509-495-8536
FAX: 1-509-495-8734
CONTACT: LUANN WEINGER

CABLE
COMCAST BROADBAND 1717
EAST BUCKEYE SPOKANE,
WASHINGTON, 99207
PHONE: 509-755-4717
FAX: 509-755-4863
CONTACT: BRYAN RICHARDSON

TELEPHONE
CENTURY LINK
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-623-0307
FAX: 509-455-2104
CONTACT: TIM GREENWOOD

SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-9400

INSPECTION
~~ALLWEST~~ IPEC
~~2925 E. INDIANA AVENUE~~
~~SPOKANE VALLEY, WA 99216~~
~~PHONE: 509-534-4411~~
~~FAX: 509-534-8328~~
CONTACT: PAUL NELSON, P.E.

SURVEYOR
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-893-2617
FAX: 509-926-0227
CONTACT: JON GORDON, P.L.S.

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

OWNER/DEVELOPER
BRYAN WALKER
NAI BLACK
107 S HOWARD STREET, ST 500
SPOKANE WASHINGTON 99201
PHONE: 509-622-35963
FAX: 509-622-3500
CONTACT: BRYAN WALKER

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, "AMOCO" 4545 OR APPROVED EQUAL, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND 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.

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.

TODD WHIPPLE, P.E. ________ DATE ________

LEGEND

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

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1772 D
DATE ACCEPTED: 12/30/14

INDEX TO PLAN SHEETS

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SHEET NO. 3 11 TH. AVE. PLAN AND PROFILE
SHEET NO. 4 13 TH. AVE. PLAN AND PROFILE
SHEET NO. 5 11 TH. AVE. PIPE ARCH PLAN AND ELEVATION
SHEET NO. 6 13 TH. AVE. PIPE ARCH PLAN AND ELEVATION
SHEET NO. 6A 13TH. AVE. PIPE ARCH SECTIONS AND DETAILS
SHEET NO. 7 11 TH. AVENUE SWALE DETAILS
SHEET NO. 8 13 TH. AVENUE SWALE DETAILS
SHEET NO. 9 EROSION CONTROL PLAN
SHEET NO. 10 EROSION CONTROL PLAN DETAILS

NOTE:
DATUM - NGVD 29

PAUL T. NELSON, STATE OF WASHINGTON, PROFESSIONAL ENGINEER
12-15-14

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.

TODD R. WHIPPLE, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

11/18/14 RECORD DRAWING by Inland Pacific Engineering

NO.	DATE	BY	REVISIONS
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	08/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	06/21	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	02/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
7	08/08	RLM	SUBMITTAL FOR APPROVAL
1	11/16	RLM	ORIGINAL PLAN PREPARATION

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

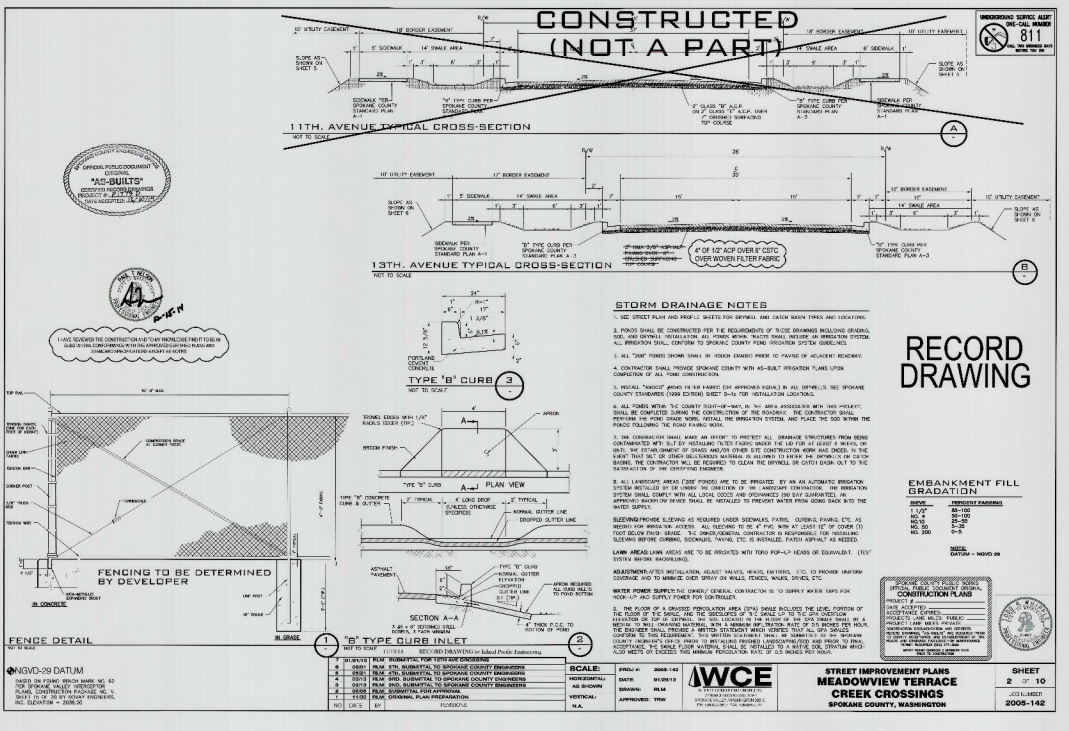
PROJ #: 2005-142
DATE: 01/28/13
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

SHEET 1 OF 10
JOB NUMBER 2005-142

CONSTRUCTED (NOT A PART)



STORM DRAINAGE NOTES

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

2. PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THOSE DRAWINGS INCLUDING GRADING, SOIL, AND DRYWALL INSTALLATION. ALL PONDS WITHIN TRACTS SHALL INCLUDE AN IRRIGATION SYSTEM. ALL IRRIGATION SHALL CONFORM TO SPOKANE COUNTY PUMP IRRIGATION SYSTEM GUIDELINES.

3. ALL "DRY" PONDS SHOWN SHALL BE HIGH 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 "NARROW" BOARD ON BAR BARRIER (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1999 EDITION) SHEET 3-16 FOR INSTALLATION LOCATIONS.

6. ALL PONDS WITHIN THE COUNTY RIGHT-OF-WAY, IN THE AREA ASSOCIATED WITH THIS PROJECT, SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE ROADWAY. THE CONTRACTOR SHALL PERFORM THE POND GRADE WORK, INSTALL THE IRRIGATION SYSTEM, AND PLACE THE SOD WITHIN THE PONDS FOLLOWING THE POND 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 CONSTRUCTING ENGINEER.

8. ALL LANDSCAPE AREAS ("200" PONDS) 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 (NO DAY SUBMENTER). 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 ADDITIONAL 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).

ADJUSTMENTS 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 FOOD LANDS AREA (2%) SHALL INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE 2% OVERFLOW. THE FLOOR OF THE SWALE SHALL BE PLANTED WITH GRASS OR SHALL BE LINED WITH GRAVEL AS A MEDIUM TO INFILTRATION MATERIAL, WITH A MINIMUM INF. RATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GRA SWALES CONFORM TO THIS REQUIREMENT. THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEERS (PE) PRIOR TO INSTALLING FINISHED LANDSCAPE/SOD AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. THE FLOOR OF THE SWALE SHALL BE PLANTED WITH GRASS OR SHALL BE LINED WITH GRAVEL AS A MEDIUM TO INFILTRATION MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR.

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	100
NO. 4	50-100
NO. 10	25-85
NO. 50	5-35
NO. 200	0-5

NOTE:
DATUM = NGVD 29

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
ISSUED AS NOTED
ACCEPTANCE DATE
ACCEPTED AS-BUILTS: PUBLIC
PROJECT ENGINEER: MELIS, PRIVATE
CONSTRUCTION, COLLECTION AND DETENTION
SYSTEMS ARE NOT ACCEPTED FOR OPERATION
TO COUNTY RESPONSIBILITY UNTIL ACCEPTANCE OF THE
PRIVATE AND ENGINEERS FACILITIES, OR WARRANTIES
ARE FULFILLED AND EXPIRED
WHITE PAGE SERVICE, 1-800-547-8554
PAGE TO PAGE, 1-800-
DATE TO PAGE, 1-800-

RECORD DRAWING

NO	DATE	BY	REVISIONS
7	01/01/12	RLM	RLM SUBMITTAL FOR 13TH AVE CROSSING
6	05/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/21	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	02/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	05/08	RLM	SUBMITTAL FOR APPROVAL
1	11/05	RLM	ORIGINAL PLAN PREPARATION

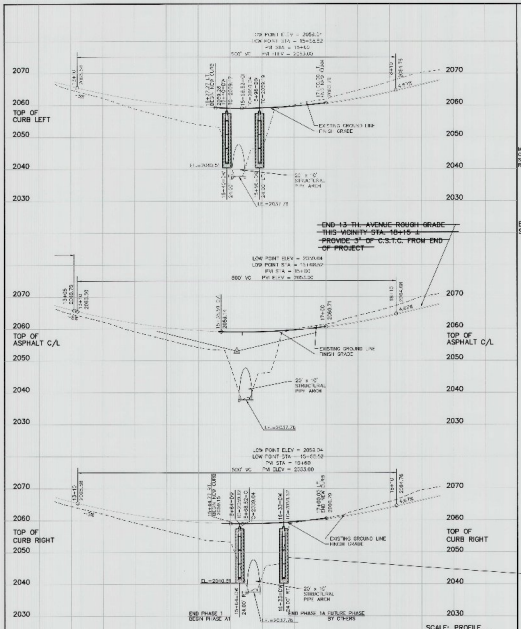
SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: N.A.

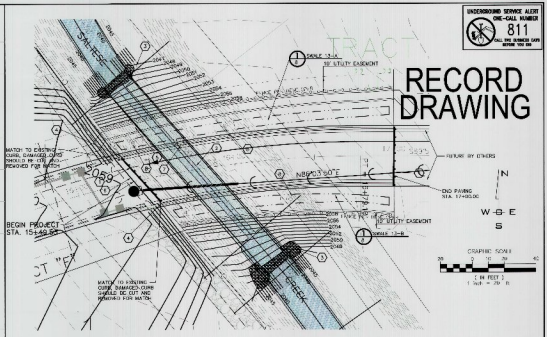
PROJ #: 2005-142
DATE: 01/20/13
DRAWN: RLM
APPROVED: TRW

WCE
WILSON ENGINEERS
CONSULTING ENGINEERS
SPOKANE VALLEY, WASHINGTON 99212
PH (509)926-7556 FAX (509)926-9227

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

SHEET
2 OF 10
JOB NUMBER
2005-142





RECORD DRAWING

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL THE SERVICE CAPS BEFORE YOU DIG

CONSTRUCTION NOTES

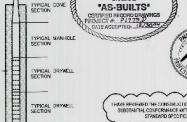
1. REMOVE EXISTING TYPE "3" BARRICADES WITH HEAD (SEE SIGNS R-11a AND RELOCATE TO 17+00.
2. PROVIDE AND INSTALL 174 ± L.F. OF 20' x 10' STRUCTURAL PLATE PIPE ARCH ~~MANUFACTURED BY SPOKANE CULVERT~~.
3. PROVIDE AND INSTALL CONCRETE WING WALLS FROM BOTTOM OF DITCH TO FOOTERS ON WALL. CONCRETE SHALL BE SEALED AND ANCHORED TO STRUCTURAL PIPE ARCH AS RECOMMENDED BY MANUFACTURER.
4. PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN "A-3" AND DETAIL 3 SHEET 2, MATCH TO EXISTING.
5. STA. 15+80.00 LT. PROVIDE AND INSTALL 5' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN "A-11c" AND MATCH TO EXISTING.
6. SAWCUT LINE, C/L STA. 15+35.75, TACK AND MATCH TO EXISTING PER SPOKANE COUNTY STANDARDS.
7. PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN "H-8", CUT CURBS AS NECESSARY.
8. PROVIDE AND INSTALL TYPE "D" GRAVELL PER SPOKANE COUNTY STANDARD PLAN "H-1" SEE PROFILES 15-16 SHEET AND SHEET 12 FOR DETAILS.

CURVE TABLE 13TH. AVE.						
SYM. BASIS	CURVE	TANGENT	CHORD	DELTA	RAD.	RAD. AHEAD
241°24'4"N	C1	350.00	549.28	292.24	353.86	48°23'53"	109°52'56"W

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1-1/2"	85-100
NO. 4	50-100
NO.50	29-55
NO. 100	8-35
NO. 200	0-5

NOTE:
DATUM = NGVD 29



SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED INFORMATION ONLY
REVISED: 2/12/14
CONSTRUCTED: 2/2014

12-18-14

THIS REVISED TAX CONVERSION DRAWING TAKE FROM ORIGINAL FIELD TO 32 IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED DATA REQUIREMENTS AND STANDARD SPECIFICATIONS DESCRIBED ASHEREIN

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
PROJECT ENGINEER
PROJECT ENGINEER
PROJECTS ENGINEER
PROJECT ENGINEER
PROJECT LINE MILES
DIMENSIONS CONVERSION AND REVISED
THIS DOCUMENT IS PROVIDED FOR INFORMATION ONLY TO SUPPORT OPERATIONS AND MAINTENANCE BY NOT TO SUPPORT CONSTRUCTION OR ANY OTHER PURPOSE
REPORT REQUESTS (425) 577-4800
MAP REPORT ERRORS & REQUEST CHANGES (509) 477-7200

NGVD-29 DATUM

BASED ON POINT WITH MARK NO. 53 OF SPOKANE VALLEY MEDICPOINT. P.L.S. CONSTRUCTION PLAN/CASC NO. V. SHEET 10 OF 20 BY NORTH ENGINEERS, INC. ELEVATION = 2038.50

13/12/14 RECORD DRAWING by Inland Pacific Engineering

NO	DATE	BY	REMARKS
7	04/01/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	06/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	03/07	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	02/12	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	08/05	RLM	SUBMITTAL FOR APPROVAL
NO	DATE	BY	REMARKS

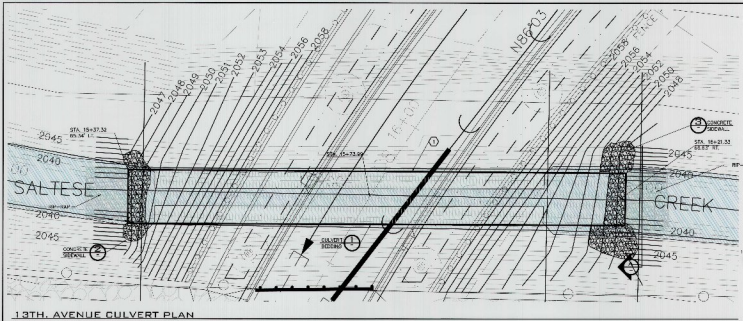
SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2005/142
DATE: 01/08/13
DRAWN: RLM
APPROVED: TRW

WCE
WILSON ENGINEERING
A DIVISION OF WILSON ENGINEERS
S.W. 818 SPOKANE FALLS BLVD. SUITE 1
SPOKANE WA 99201 PH (509) 838-6226

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE STA. 13+18.51 TO STA. 18+10
SPOKANE COUNTY, WASHINGTON

SHEET 4 OF 10
JOB NUMBER 2005-142

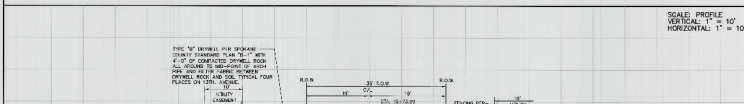


13TH. AVENUE CULVERT PLAN

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

RECORD DRAWING

SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT "A"
ORIGINAL
"AS-BUILTS"
CORRECTED PRINT DRAWINGS
PROJECT #: 2-12-13
DATE ACCEPTED: 5/30/2014



13TH. AVENUE PIPE ARCH ELEVATION / SECTION

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 174 & 67 18'-7" x 56'-1" OR 20'-0" x 12'-9" STRUCTURAL PIPE ARCH, AND 38 L.F. OF 8" PVC WATER PIPE AS SHOWN ON PLANS AND AS MANUFACTURED BY CONTECH WILLAMETTE, CONTECH, ARMAFLEXIBLE, MA, 541-214-3033, SEE SHEET 5A FOR DETAILS OF MIAT 1000 PROPRIEDE AND ARCH PIPE (R&A) MAS INSTALLED.

UNDER REPORT TO CONSTRUCTION AND TOWN KNOWLEDGE THE TRUE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED DRAWINGS AND MAS SUBMITTED SPECIFICATIONS EXCEPT AS NOTED.

NOTE:
DATUM = NGVD 29

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	85-100
NO. 4	50-100
NO. 10	30-85
NO. 50	5-30
NO. 200	0-3

SPOKANE COUNTY PUBLIC WORKS
CRITICAL AREAS DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECT LANE MILES: PUBLIC
PROJECT LANE MILES: PRIVATE
CONSTRUCTION DOCUMENTATION AND REPORTS SUBMITTED TO SPOKANE COUNTY PUBLIC WORKS PRIOR TO ISSUANCE OF PROJECT ACCEPTANCE, AS DETERMINED BY THE PROJECT ENGINEER AND THE PROJECT MANAGER.
WORK PERFORMED & REPORTS CERTIFIED BY PROJECT ENGINEER OF RECORD

NGVD-29 DATUM

BASED ON POINT FOUND BRASS NO. 67 PER SPOKANE VALLEY R-REFERENCE PLATS, CONTROL MONUMENT NO. V, AND E. CONTROL MONUMENT HIGHWINS, ELEV. ELEVATION = 2056.00

#	DATE	BY	REVISIONS
1	01/21/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
2	08/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	08/13	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	08/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	08/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
6	05/08	RLM	SUBMITTAL FOR APPROVAL
7	12/08	RLM	ORIGINAL PLAN PREPARATION

RECORD DRAWING by Inland Pacific Engineering

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2005-142
DATE: 01/08/13
DRAWN: RLM
APPROVED: TRW

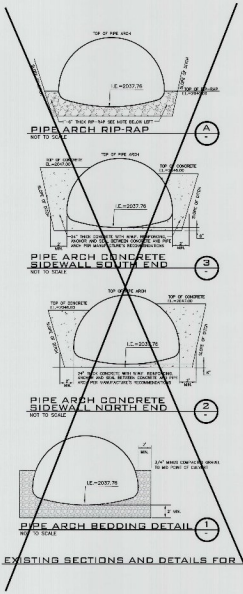
WCE
WORLD CLASS ENGINEERING
WORLD CLASS CUSTOMER SERVICE
INLAND PACIFIC ENGINEERING, INC.
12004 E. N. L. 200 BUILDING 7800
P: (509) 891-29 / FAX: (509) 891-7

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE PIPE ARCH
SPOKANE COUNTY, WASHINGTON

SHEET 6 OF 10
JOB / SHEET 2005-142

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL THE NUMBER BACK BEFORE YOU DIG

RECORD DRAWING



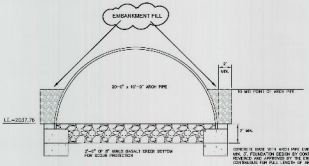
EXISTING SECTIONS AND DETAILS FOR 13TH.

SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P2142
DATE ACCEPTED: 12-18-14

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 174 ft OF 16'-7" x 10'-11" OR 20'-0" x 10'-0" STRUCTURAL STEEL PLATE ARCH PIPE WITH CONCRETE FOOTINGS, ANCHOR AND SEAL BETWEEN PIPE ARCH AND CONCRETE AS RECOMMENDED PER MANUFACTURER. CONTACT GREG WILLIAMS AT CONTECH, ARMWY HEIGHTS, WA., 509-244-3662.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE ENGINEER PRIOR TO START OF CONSTRUCTION.



ALTERNATE PIPE ARCH DETAIL
NOT TO SCALE
1

SPOKANE COUNTY ENGINEERS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: ———
DATE ACCEPTED:
ACCEPTANCE EXPIRES:
PROJECT LANE IN USE: PUBLIC
PROJECT LANE IN USE: PRIVATE
CONTRACTOR, SUBCONTRACTOR, AND CERTIFIED REVISION STAMPED "CONSTRUCTION" AND REQUIRED PRIOR TO ACCEPTANCE OF PUBLIC IMPROVEMENTS ON PUBLIC ROAD OR EASEMENT OR PRIVATE ROAD OR EASEMENT PLACED FOR MAINTENANCE
"CONSTRUCTION" REVISIONS ONLY
APPROVED FOR CONSTRUCTION
PRIOR TO CONSTRUCTION
DATE: 12-18-14

SPOKANE COUNTY ENGINEERS
SEAL OF WASHINGTON
SPOKANE COUNTY

SHOWN REFLECTS AS CONSTRUCTED AND TO WHAT EXTENT SUBSTANTIAL CONFORMANCE WITH APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATION REPORTS ACCEPTED

NOTE:
DATUM - NGVD 29

NGVD-29 DATUM
BASED ON 4-2-NM1 BENCH MARK NO. 57 FOR SPOKANE PUBLIC WORKSPTS 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17 SHEET 15 OF 25 BY ROBERT VAUGHN KS. R.C. ELEVATION = 2036.00

NO	DATE	BY	REVISIONS
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	05/01	RLM	6TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/31	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	05/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	05/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	04/05	RLM	SUBMITTAL FOR APPROVAL
1	12/08	RLM	ORIGINAL PLAN PREPARATION

11/13/14 RECORD DRAWING by Inland Pacific Engineering

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2000-142
DATE: 01/28/13
DRAWN: RLM
APPROVED: TRW

WCE
WHITE CROSS ENGINEERS
CIVIL • PLANNING • SURVEYING
8104 N. MOUNT VERNON ST. SPOKANE
P: 509.467.1176 • F: 509.467.0177

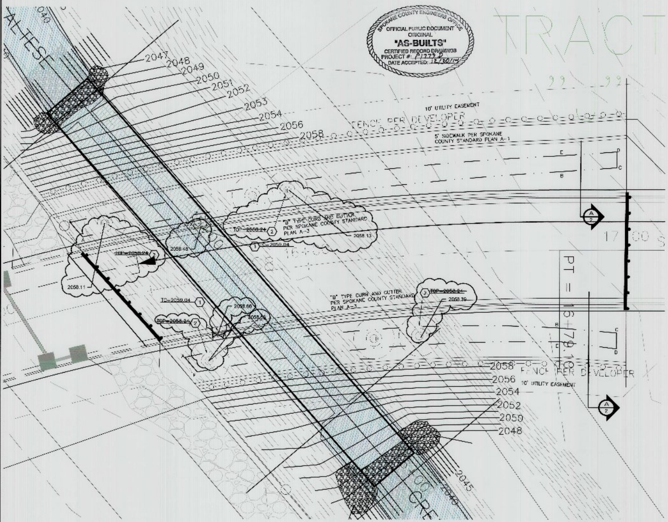
STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE PIPE ARCH
SPOKANE COUNTY, WASHINGTON

SHEET
6A of 10
JOB NUMBER
2005-142

RECORD DRAWING

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1779 D
DATE ACCEPTED: 12/30/14



SWALE SITE PLAN - 13TH. AVENUE

SCALE: 1" = 10'

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	15+32.72	21.00' LT.	151.40'	958.85'
B	16+79.10	24.68' LT.	17.94'	
C	16+97.00	25.91' LT.	5.00'	
D	16+97.00	30.91' LT.	17.94'	
E	16+79.10	29.68' LT.	155.36'	871.63'
F	15+30.06	26.31' LT.	6.00'	
A	15+32.72	21.00' LT.		

SWALE "13-A"

FINISHED GRADE SWALE BOTTOM EL.=~~2057.74~~ 2057.48
SWALE BOTTOM AREA PROVIDED=~~941 S.F.~~ 945 S.F.
MINIMUM BERM ELEV.=~~2060.10~~ 2056.48
~~DRYWELL TC=2058.24~~

CONSTRUCTION NOTES 13 TH. AVE. SWALE LEFT AND RIGHT

1. PROVIDE AND INSTALL CURB INLET TYPE "1" PER SPOKANE COUNTY STANDARD PLAN "B-8", TC=2059.04.
2. PROVIDE AND INSTALL AT STA. 15+40 AND 15+98, 24.00' LT.; STA. 15+64 AND 16+33 RT., 24.00' RT., TYPE "B" DRYWELL PER SPOKANE COUNTY STANDARD PLAN B-1, TOP OF GRATE EL.=2058.24.

SWALE BOTTOM LOCATION TABLE
STATION & OFFSET

POINT	STATION	OFFSET	DISTANCE	RADIUS
A	15+56.51	22.60' RT.	118.37'	426.65'
B	16+79.10	24.38' RT.	17.97'	
C	16+97.00	25.91' RT.	5.00'	
D	16+97.00	30.91' RT.	18.00'	
E	16+79.10	28.65' RT.	114.32'	587.42'
F	15+59.61	27.81' RT.	6.00'	
A	15+59.13	22.60' RT.		

SWALE "13-B"

FINISHED GRADE SWALE BOTTOM EL.=~~2057.74~~ ~2058.15
SWALE BOTTOM AREA PROVIDED=~~734 S.F.~~ 436 S.F.
MINIMUM BERM ELEV.=~~2059.10~~ 2058.68
~~DRYWELL TC=2058.24~~

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	85-100
NO. 4	50-100
NO.10	25-55
NO. 50	5-35
NO. 200	0-5

NOTE:
DATUM - NGVD 29

PAUL T NELSON — PROFESSIONAL ENGINEER — 37228
12-15-14

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.

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

TODD R. WHIPPLE — STATE OF WASHINGTON — 25462 — PROFESSIONAL ENGINEER

NGVD-29 DATUM
BASED ON FOUND BENCH MARK NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V. SHEET 15 OF 20 BY BOVAY ENGINEERS, INC. ELEVATION = 2036.00

11/13/14 RECORD DRAWING by Inland Pacific Engineering

NO.	DATE	BY	REVISIONS
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	08/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/21	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	02/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
7	06/06	RLM	SUBMITTAL FOR APPROVAL
1	01/19	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2005-142
DATE: 01/28/13
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE CREEK CROSSINGS
13TH. AVENUE SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 8 OF 10
JOB NUMBER 2005-142

EROSION CONTROL PLAN
MEADOWVIEW TERRACE CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON
SECTION 20, T. 25 N., R. 45 E., W.M.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1779 D
DATE ACCEPTED: 12/30/14

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

RECORD DRAWING

EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

1. AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE **E.S.C. PLAN**, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE **E.S.C.** FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY **SPOKANE COUNTY**, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY **SPOKANE COUNTY**, WHICHEVER IS LATER.
2. APPROVAL OF THE **E.S.C. PLAN** DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE **E.S.C. PLAN**.
3. THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE **E.S.C.** MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
5. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. SEE DETAIL 2 SHEET 10.
7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT, NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
8. PROPERTY OWNER: **NAI BLACK** 509-622-3593
   PERMIT APPLICANT: **BRYAN WALKER**
   CONTACT PERSON ON SITE: **BRYAN WALKER** 509-622-3593
9. PROJECT LOCATION: IN SPOKANE COUNTY, EAST OF BARKER ROAD SOUTH OF EIGHTH AVENUE BETWEEN 11TH. AVENUE AND 13TH. AVENUE, IN SECTION 20, TOWNSHIP 25N., RANGE 45 E.W.M.
10. PROJECT DESCRIPTION: MEADOWVIEW TERRACE CROSSINGS ARE TWO 16'-7" x 10'-1" STRUCTURAL PIPE ARCH UNDER ROADWAY IN SALTESE CREEK AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, AND STORM DRAINAGE. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 300 LINEAR FEET OF DRAINAGE AND ELECTRICAL FACILITIES. 300 LINEAR FEET OF NEW PRIVATE STREETS AND CURBS, WITH ASSOCIATED STORM DRAINAGE.
11. DESCRIPTION OF **E.S.C.** MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL **E.S.C.** MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EXISTING VEGETATION: FIELD GRASS, SALTESE CREEK.
13. PLAN PREPARATION DATE: MAY, 2006
14. SOILS: ON SITE SOILS, BsB BOND AND PHOEBE LOAMY SANDS, 0% TO 20% SLOPES; MaC MARBLE LOAMY SAND, 0% TO 30% SLOPES; PeA PHOEBE SANDY LOAM, 0% TO 5% SLOPES; PeA PEONE SILT LOAM, DRAINED, 0% TO 5% SLOPES.
15. **STABILIZATION OF DENUDED AREAS:**
    ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 lbs/ACRE.
16. **CONTROL OF POLLUTANTS:**
    ANY SPILLS WILL BE HANDLED ACCORDING TO **D.O.E. AND D.O.H.** GUIDELINES.
17. **LIMITS OF GRADING:**
    DURING THE COURSE OF CONSTRUCTION, THE AMOUNT OF DISTURBED AREA SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA SHOWN AS "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.

MAINTENANCE

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

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE **E.S.C.** REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE **SPOKANE COUNTY** GUIDELINES FOR STORMWATER MANAGEMENT.

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.

TODD WHIPPLE, P.E. DATE

NGVD-29 DATUM
BASED ON FOUND BENCH MARK NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20 BY BOVAY ENGINEERS, INC. ELEVATION = 2036.00

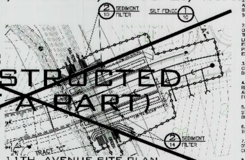
CONSTRUCTED (NOT A PART)

E.S.C. LEGAL FOR 11TH. AVENUE

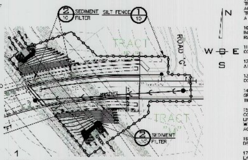
THAT PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 20, TOWNSHIP 25 NORTH, RANGE 45 EAST, W.M., SPOKANE COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:
COMMENCING AT A 3/4 INCH PIPE ACCEPTED AS THE SOUTHWEST CORNER OF 20; THENCE NORTH 00°00'50" EAST ALONG THE WEST LINE OF SAID SOUTHWEST ONE-QUARTER A DISTANCE OF 1121.19 FEET; THENCE NORTH 89°59'46" EAST A DISTANCE OF 112.76 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY, HAVING A RADIUS OF 550.00 FEET; THENCE EASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 21°22'46" AN ARC DISTANCE OF 20[illegible] FEET; THENCE NORTH 68°37'00" EAST A DISTANCE OF 8.64 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF A 60 FOOT WIDE STRIP OF LAND USED AS A DITCH TO DRAIN SALTESE LAKE AS DESCRIBED IN WARRANTY DEED FILED IN BOOK 462, PAGES 350 AND 351, UNDER AUDITOR'S FILE NUMBER 188002A, SAID POINT BEING THE TRUE POINT OF BEGINNING;
THENCE NORTH 24°58'29" WEST ALONG SAID SOUTHERLY LINE A DISTANCE OF [illegible] FEET; THENCE NORTH 68°37'00" EAST A DISTANCE OF 14[illegible] FEET;
THENCE SOUTH 20°27'57" EAST A DISTANCE OF 52.[illegible] FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE SOUTHERLY FROM WHICH POINT A RADIAL LINE BEARS SOUTH 20°27'57" EAST AND HAVING A RADIUS OF 572.50 FEET;
THENCE EASTERLY ALONE SAID CURVE THROUGH A CENTRAL ANGLE OF 10°00'17" AN ARC DISTANCE OD 99.97 FEET;
THENCE SOUTH 11°27'43" EAST A DISTANCE OD 45.01 FEET THE BEGINNING OF A NON-TANGENT CURVE CONCAVE SOUTHERLY FROM WHICH POINT A RADIAL LINE BEARS SOUTH 10°22'32" EAST AND HAVING A RADIUS OF 527.50 FEET; THENCE WESTERLY ALONG SAID LINE CURVE THROUGH A CENTRAL ANGLE OF 9°48'10" AN ARC DISTANCE OF 90.25 FEET;
THENCE SOUTH 20°10'43" EAST A DISTANCE OF 51.88 FEET;
THENCE SOUTH 68°37'00" WEST A DISTANCE OF 136.56 FEET;
THENCE NORTH [illegible]°12'32" WEST A DISTANCE OF 18.74 FEET;
THENCE NORTH 24°58'29" WEST A DISTANCE OF 57.87 FEET TO THE TRUE POINT OF BEGINNING.
CONTAINING 25,256 SQUARE FEET OR 0.57 ACRES

T.S.C. LEGAL FOR 11TH. AVENUE

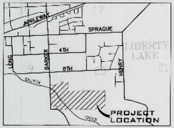
THAT PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 20, TOWNSHIP 25 NORTH, RANGE 45 EAST, W.M., SPOKANE COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:
COMMENCING AT A 3/4 INCH PIPE ACCEPTED AS THE SOUTHWEST CORNER OF SECTION 20; THENCE SOUTH 89°49'29" EAST ALONG THE SOUTH LINE OF SAID SOUTHWEST ONE-QUARTER A DISTANCE OF 1135.58 FEET; TO A POINT ON THE SOUTHERLY LINE OF A 60 FOOT WIDE STRIP OF LAND USED AS A DITCH TO DRAIN SALTESE LAKE AS DESCRIBED IN WARRANTY DEED FILED IN BOOK 462, PAGES 350 AND 351, UNDER AUDITOR'S NUMBER 188002A, THENCE NORTHWESTERLY ALONG SAID SOUTHWESTERLY LINE THE FOLLOWING THREE COURSES:
NORTH 41°17'37" WEST A DISTANCE OF 103.87 FEET;
NORTH 37°00'39" WEST A DISTANCE OF 58.67 FEET TO THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SAID SOUTHWESTERLY LINE FOLLOWING TWO COURSES:
NORTH 35°13'00" WEST A DISTANCE OF 6.44 FEET;
THENCE NORTH 40°27'14" WEST 162.95 FEET;
THENCE NORTH 49°32'46" EAST A DISTANCE OF 60.00 FEET;
THENCE NORTH 89°59'46" EAST A DISTANCE OF 80.68 FEET;
THENCE SOUTH 43°48'50" EAST A DISTANCE OF 62.95 FEET;
THENCE NORTH 89°59'46" EAST A DISTANCE OF 56.89 FEET;
THENCE SOUTH 00°00'14" EAST A DISTANCE OF 20.00 FEET;
THENCE NORTH 89°59'46" EAST A DISTANCE OF 61.54 FEET;
THENCE SOUTH 00°00'14" EAST A DISTANCE OF 38.00 FEET;
THENCE SOUTH 89°59'46" WEST A DISTANCE OF 61.54 FEET;
THENCE SOUTH 52°32'33" WEST A DISTANCE OF 131.52 FEET TO THE TRUE POINT OF BEGINNING.
CONTAINING 26,402 SQUARE FEET OR 0.61 ACRES.



11TH. AVENUE SITE PLAN
SCALE: 1" = 50'



13TH. AVENUE SITE PLAN
SCALE: 1" = 50'



VICINITY MAP

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET CURRENT 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.
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 **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.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH **THE 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.**
18. **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.
19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF **SPOKANE COUNTY ENGINEERS AND** NOTIFICATION OF THE ENGINEER OF RECORD.
20. 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 **COUNTY 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.
21. 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.
22. 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.

NOTE:
DATUM - NGVD 29

STREETS
SPOKANE COUNTY
1026 WEST BROADWAY AVE
SPOKANE, WASHINGTON, 99260
PHONE: 509-477-3600
FAX: 509-477-7655
CONTACT: MATT ZARECOR, P.E.

BUILDING OFFICIAL
SPOKANE COUNTY BLDG & PLAN
1026 WEST BROADWAY AVE
SPOKANE, WASHINGTON, 99260
PHONE: 509-477-7200
FAX: 509-477-47035
CONTACT: JOHN PEDERSON

SEWER
SPOKANE COUNTY UTILITIES
1028 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-7298
FAX: 509-477-4715
CONTACT: BILLY URHAUSEN

WATER
CONSOLIDATED IRRIG. DIST. #19
NORTH 120 GREENACRES ROAD
SPOKANE VALLEY, WA 99016
PHONE: 509-924-3655
FAX: 509-924-3927
CONTACT: BOB ASHCRAFT

FIRE
SPOKANE VALLEY FIRE DEPT.
2120 NORTH WILBUR ROAD
SPOKANE VALLEY, WA 99206
PHONE: 509-926-1700
FAX: 509-892-4127
CONTACT: TRACI HARVEY

HEALTH
SPOKANE REGIONAL HEALTH
1101 WEST COLLEGE AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 509-324-1560-1
FAX: 509-324-3603
CONTACT: DON COPLEY

GAS / POWER
AVISTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220
PHONE: 1-509-495-8536
FAX: 1-509-495-8734
CONTACT: LUANN WEINGER

CABLE
COMCAST BROADBAND 1717
EAST BUCKEYE SPOKANE,
WASHINGTON, 99207
PHONE: 509-755-4717
FAX: 509-755-4863
CONTACT: BRYAN RICHARDSON

TELEPHONE
CENTURY LINK
904 NORTH COLUMBUS
SPOKANE, WASHINGTON, 99202
PHONE: 509-823-0307
FAX: 509-455-2104
CONTACT: TIM GREENWOOD

SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-486-9400

SURVEYOR
WHIPPLE CONSULTING ENGINEERS
2528 N. SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PHONE: 509-593-2617
FAX: 509-926-0227
CONTACT: JON GORDON, P.L.S.

INSPECTION
~~ALLWEST~~ IPEC
~~3928 E. INDIANA AVENUE~~
~~SPOKANE VALLEY, WA 99216~~
~~PHONE: 509-534-4411~~
~~FAX: 509-534-9326~~
CONTACT: PAUL NELSON, P.E.

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

OWNER/DEVELOPER
BRYAN WALKER
NAI BLACK
107 S HOWARD STREET, ST 500
SPOKANE WASHINGTON 99201
PHONE: 509-622-35983
FAX: 509-622-3500
CONTACT: BRYAN WALKER

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.

PAUL T. NELSON, PROFESSIONAL ENGINEER
12-15-14

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

TODD R. WHIPPLE, PROFESSIONAL ENGINEER

11/13/14 RECORD DRAWING by Inland Pacific Engineering

NO.	DATE	BY	REVISIONS
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	06/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/21	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	02/13	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
7	08/05	RLM	SUBMITTAL FOR APPROVAL
1	01/20	RLM	ORIGINAL PLAN PREPARATION

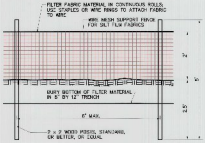
SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

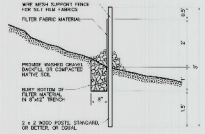
PROJ #: 2005-142
DATE: 01/28/13
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WASHINGTON 99216

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

SHEET 9 OF 10
JOB NUMBER 2005-142

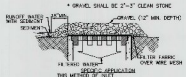




SILT FENCE DETAIL

NOT TO SCALE

1

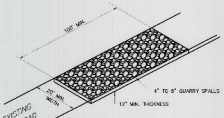


THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE AN ACCESS ROADWAY PARALLELS THE INLET AND WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT PROPERTIES AND UNPROTECTED AREAS

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

NOT TO SCALE

2



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

3

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL FOR DIGGING NOTE
BEFORE YOU DIG

RECORD DRAWING

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
AS-BUILT
CERTIFIED RECORD DRAWINGS
PUBLISHED AT SPOKANE COUNTY
DATE ACCEPTED 12/30/14

LEGEND

- SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.
- ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND GENERAL NOTE 6.
- STORM DRAINAGE STRUCTURE WITH SEDIMENT FILTER

12-15-14

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE AND BELIEF IT IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CONTRACT PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

NOTE:
DATUM = NGVD 29

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #
DATE ACCEPTED
ACCEPTING COMPO
PROJECT LENGTH: 1,480 LINEAR FEET
PROJECT LANE MILES PRIVATE
CONSTRUCTION INSPECTION AND CERTIFIED RECORD DRAWINGS ARE ACCEPTED ONLY PRIOR TO COUNTY ACCEPTANCE AND CONVEYANCE OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE. ACCEPTANCE DATE: 12/30/14
SHIRLEY PRUNER, COUNTY CLERK
BY: DEPUTY CLERK

NGVD-29 DATUM

BENCH ON FIRST BRIDGE BRANCH MARK NO. 402 FOR SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V. SHEET 1 OF 3 OF 3 RY 1974 BY 1 ENGINEERS, INC. ELEVATION = 2036.50

11/13/14 RECORD DRAWING by Inland Pacific Engineering

NO	DATE	BY	REVISIONS
7	01/21/13	RLM	SUBMITTAL FOR 12TH AVE CROSSING
6	08/31	RLM	6TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	08/31	RLM	6TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	08/14	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	04/06	RLM	SUBMITTAL FOR APPROVAL
1	01/05	RLM	ORIGINAL PLAN PREPARATION

SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2005-142
DATE: 01/05/13
DRAWN: RLM
APPROVED: TRW

WCE
WATER CONSERVATION & ENGINEERING, INC.
SPOKANE VALLEY, WASHINGTON
"WE ARE COUNTY THE WHOLE ARE"

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
EROSION CONTROL PLAN DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
10 OF 10
JOB NUMBER
2005-142