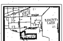
MEADOWVIEW TERRACE

STREET COVER SHEET

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



VICINITY MAP

TABLE OF CONTENTS

COVER SHEET .... SHEET 1
10TH LANE STA 5+77.36 TO SAT 12+80.42 ... SHEET 2
DETAIL SHEET .... SHEET 3
EROSION & SEDIMENT CONTROL PLAN .... SHEET 4

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 THE SPOKANE COUNTY INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY ENGINEER OF RECORD.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE SPOKANE COUNTY 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 INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.

5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.

7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY SPOKANE COUNTY, FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.

13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION AND ANNOTATE THE DIMENSION ON THE RECORD DRAWINGS.

14. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.

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

17. THE CONTRACTOR SHALL SUBMIT A PHASING PLAN FOR ALL WORK IN PUBLIC ROADS AND R.O.W.'S TO SPOKANE COUNTY BEFORE BEGINNING ANY WORK ON THESE ROADS. CONTRACTOR SHALL BEGIN WORK ONLY AFTER SPOKANE COUNTY APPROVES THE PHASING PLAN, AND A PRECONSTRUCTION MEETING IS HELD BETWEEN SPOKANE COUNTY THE ENGINEER AND THE CONTRACTOR.

18. ALL OPERATIONS CONDUCTED ON THE PREMISES, 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 PERIOD BETWEEN 8:00 A.M. AND 10:00 P.M. EVERYDAY UNLESS OTHERWISE APPROVED BY SPOKANE COUNTY.

19. BASED ON A REQUIREMENT FROM A LOCAL JURISDICTION THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO THE SPOKANE COUNTY ENGINEER.

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

21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

STREET GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1995", 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 WHIPPLE, @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, S.T.I., PAUL NELSON, P.E., @ 534-9711 AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.

6. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1.

7. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.

8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.

IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN OUT TO THE SATISFACTION OF THE CERTIFYING ENGINEER.

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

12. THE FLOOR OF A GRASSED PERCOLATION AREA (G.P.A.) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND SIDESLOPES OF THE SWALE UP TO THE G.P.A. OVERFLOW SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL G.P.A. SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 21229
DATE ACCEPTED: 5/6/2002

NAVD'88 DATUM
BASED ON FOUND B.M. NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 30, BY BOVAY ENGINEERS, INC.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

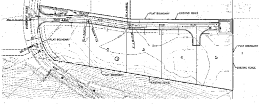
GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

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	

ABBREVIATIONS

ACT. L. .... ACTUAL LENGTH
BDRY .... BOUNDARY
CO .... SEWER CLEANOUT
CR .... CURB RETURN
CT .... COURT
DIA .... DIAMETER
ELEV .... ELEVATION
EXIST. .... EXISTING
G .... GRADE
HYD .... HYDRANT
I.E. .... INVERT ELEVATION
LN .... LANE
LT .... LEFT
MH .... MANHOLE
PC .... POINT OF CURVE
PT .... POINT OF TANGENCY
PVI .... POINT OF VERTICAL INTERSECTION
PRC .... POINT OF REVERSE CURVE
RD .... ROAD
RIM EL .... RIM ELEVATION
RT .... RIGHT
SAN .... SANITARY SEWER
SI .... STREET INTERSECTION
STA .... STATION
STA L .... STATION LENGTH
TA .... TOP OF ASPHALT
WM .... WATER MAIN
W/ .... WITH



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

DEVELOPER'S APPROVAL — 5-2-02 DATE

Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

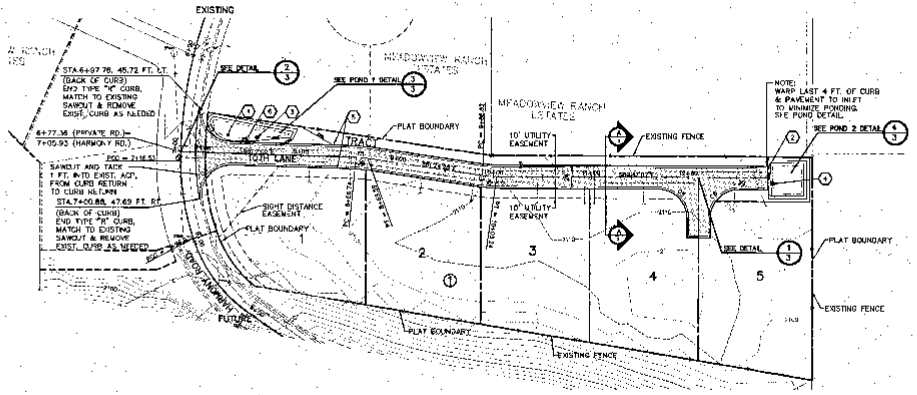
PREPARED UNDER THE DIRECT SUPERVISION OF TODD R. WHIPPLE, P.E. WASHINGTON REGISTRATION NO. 33462 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

STREET COVER SHEET
MEADOWVIEW TERRACE

Sheet Title
STREET COVER

1 OF 4
Sheet Number

SECTION 20, T.25 N., R45 E., W.M.
SPOKANE COUNTY, WASHINGTON



GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

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

CONSTRUCTION NOTES

1. INSTALL STREET NAME SIGN PER SPOKANE COUNTY STANDARDS.
2. STA.12+80.42, 3' LT. CONSTRUCT 4' WIDE CURB INLET TYPE 1 PER SPOKANE COUNTY STANDARD DETAIL B-6.
3. STA.7+54.93, 17' LT. INSTALL DRYWELL PER SPOKANE COUNTY DETAIL B-14, TYPE A. RIM ELEV = 2103.69.
4. STA.12+87.50, 8' LT. INSTALL DRYWELL PER SPOKANE COUNTY DETAIL B-14, TYPE B. RIM ELEV = 2105.73.
5. TIPE "M" CURB (TYP.) NOTE: INSTALL MODIFIED TYPE "M" "SPILL" CURB ON "UP HILL" SIDE OF ROAD. SEE 10TH LANE SECTION ON S-SHEET 3 OF 4.
6. STA.7+42.60, CONSTRUCT 4' WIDE CURB INLET TYPE 1 PER SPOKANE COUNTY STANDARD DETAIL B-6.

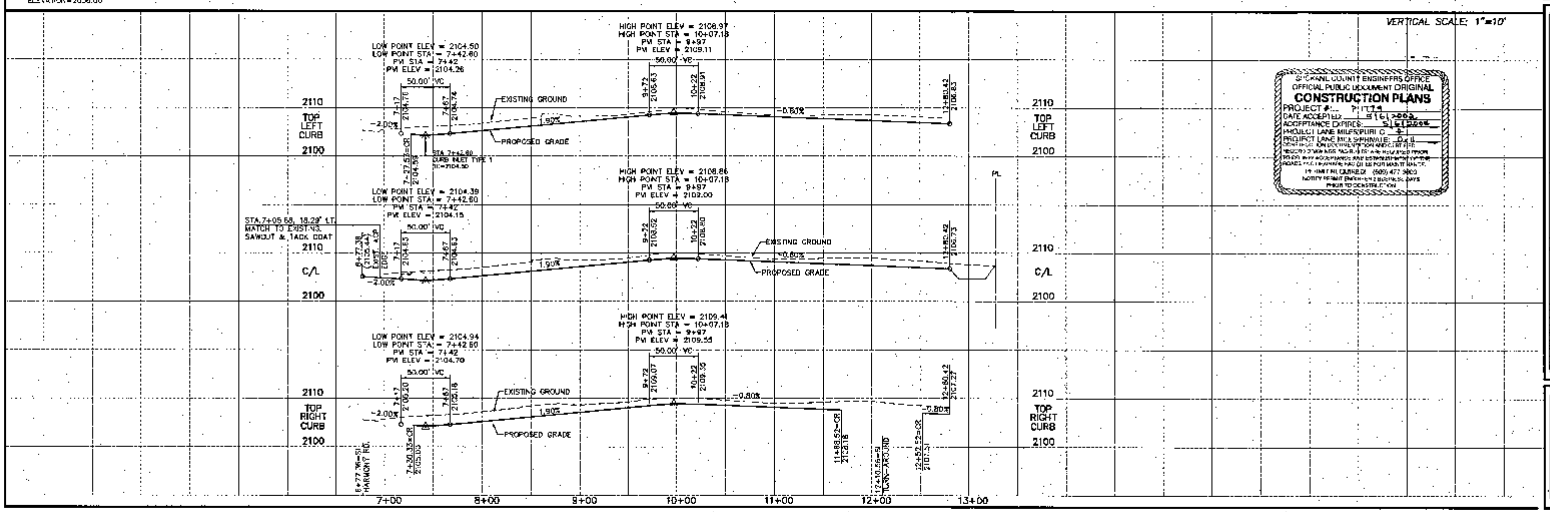
CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	100.00	11.86	5.93	11.85	6°47'34"
C2	100.00	14.67	7.37	14.61	8°27'35"
C3	30.00	50.85	33.98	44.98	97°06'56"
C4	30.00	82.85	36.35	46.28	100°56'06"
C5	30.00	47.05	29.93	47.37	89°51'38"
C6	30.00	47.20	30.07	42.46	90°08'22"

◆ NAVD'88 DATUM
BASED ON FOUND B.M. NO. 52
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY DOWAY ENGINEERS, INC.
ELEVATION = 2036.00

DEVELOPER'S APPROVAL

5-21-02
DATE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 7117.8
DATE ACCEPTED: 5/13/2002
ACCEPTANCE EXPIRES: 5/13/2004
PROJECT LANE MILES/PUBLIC: 0.4
PROJECT LANE MILES/PRIVATE: 0.8
NOTIFY PERMIT ENGINEER (509) 477-3600 SEVEN TO TWO WORKING DAYS BEFORE YOU BEGIN ANY WORK AND SCHEDULE THE PRE-CONSTRUCTION MEETING AND/OR INSPECTIONS AS DESCRIBED IN THE PERMIT ISSUED FOR THIS PROJECT.
IN CASE OF EMERGENCY (509) 477-3600
NOTIFY PERMIT ENGINEER 24 BUSINESS DAYS PRIOR TO CONSTRUCTION

STREET PLAN
MEADOWVIEW TERRACE
10TH LANE
STA. 6+77.36 TO STA. 12+80.42

Asheville, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 N. Pine Street, Suite 200
Spokane, WA 99202
Phone: (509) 328-6149
Fax: (509) 328-6184

EXPIRES 5-1-03

PREPARED UNDER THE DIRECT SUPERVISION OF: R.E. BRUCE WEBER, P.E. WASHINGTON REGISTRATION NO. 19400
FOR AND ON BEHALF OF OLD ASSOCIATES, INC.

Date / Description:
04/01/02 FIRST SUBMITTAL
04/12/02 SECOND SUBMITTAL

County Number: XXXXX
O.D. Job Number: SC2004-5
Drawn By: LKC
Designed By: DHT
Checked By: RBW

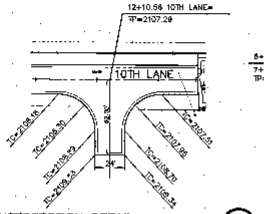
Sheet Title
STREET PLAN

2 OF 4
Sheet Number

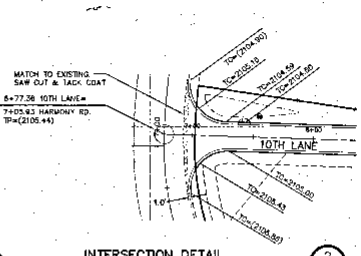
SECTION 20, T.25 N., R45 E., W.M.
SPOKANE COUNTY, WASHINGTON

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

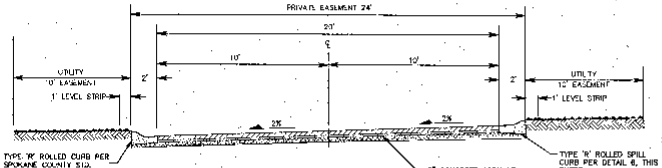
GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.



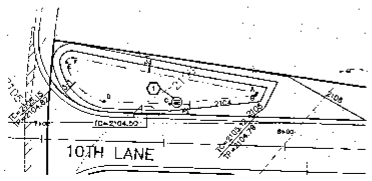
INTERSECTION DETAIL 1
SCALE: 1" = 40'



INTERSECTION DETAIL 2
SCALE: 1" = 40'



10TH LANE TYPICAL CROSS SECTION A-A
NOT TO SCALE



NOTE: SEE CURB INLET DETAIL 5, THIS SHEET FOR 2" DEPRESSION.

POND 1 DETAIL 3
SCALE: 1"=20'

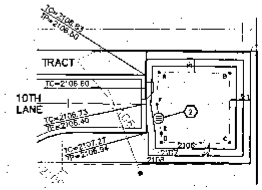
POND BOTTOM ELEV. = 2103.19
POND BOTTOM AREA = 778 S.F.
DRYWELL RIM ELEV. = 2103.69'
208' VOLUME REQUIRED = 367 C.F.
"208" VOLUME PROVIDED = 368 C.F.
MIN. BLDG ELEV. = 2104.78

POND BOTTOM DIMENSION TABLE		
POINTS	LENGTH	
A-B	1.02'	
B-C	20.47'	
C-D	28.08'	
D-E	25.67'	3.05'
E-F	3.55'	.28'
F-A	79.62'	

NOTE: LENGTHS LISTED WITH RADII ARE ARC LENGTH.

POND BOTTOM LOCATION TABLE STATIONING* & OFFSET*			
POINT	STATION	OFFSET	ELEV.
A	7+87.55	22' LT	2105.10
B	7+87.24	21.05' LT	2105.10
C	7+57.19	16.20' LT	2105.10
D	7+29.12	18.31' LT	2103.19
E	7+08.31	30.59' LT	2103.19
F	7+11.34	34.57' LT	2105.10

*REFERENCE/STATIONING LINE IS THE CENTER LINE OF 10TH LAVE.



NOTE: SEE CURB INLET DETAIL 5, THIS SHEET FOR 2" DEPRESSION.

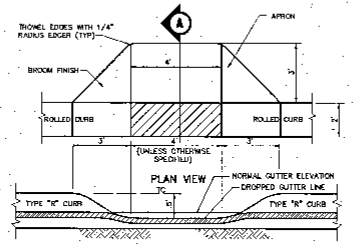
POND 2 DETAIL 4
SCALE: 1"=20'

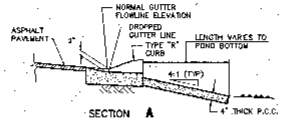
POND BOTTOM ELEV. = 2105.20
POND BOTTOM AREA = 843 S.F.
DRYWELL RIM ELEV. = 2105.70
"208" VOLUME REQUIRED = 394 C.F.
"208" VOLUME PROVIDED = 422 C.F.
MIN. BLDG ELEV. = 2106.65

POND BOTTOM DIMENSION TABLE	
POINTS	LENGTH
A-B	28.97'
B-C	29.07'
C-D	28.97'
D-A	29.06'

POND BOTTOM LOCATION TABLE STATIONING* & OFFSET*			
POINT	STATION	OFFSET	ELEV.
A	12+82.15	13.00' LT	2105.20
B	12+16.80	13.00' LT	2105.20
C	12+16.50	16.00' RT	2105.20
D	12+88.69	16.00' RT	2105.20
E	12+88.50	12.09' RT	2105.20
F	12+88.72	0.00'	2105.20

*REFERENCE/STATIONING LINE IS THE CENTER LINE OF 10TH LANE.



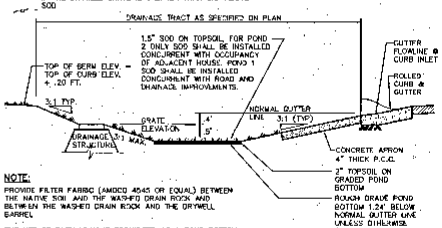


CURB INLET - "R" TYPE CURB DETAIL 5
NOT TO SCALE

CONSTRUCTION NOTES

1. INSTALL TYPE "A" DRYWELL PER SPOKANE COUNTY DETAIL B-1A. STA. 7+54.87, 17.01' LT.
2. INSTALL TYPE "B" DRYWELL PER SPOKANE COUNTY DETAIL B1-A. STA. 12+87.42, 5.88' RT.

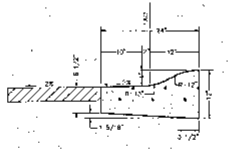
NOTE:
ORGANIC CARBON TESTING IS REQUIRED FOR THE TOPSOIL IF THE DRYWELL GRATE IS GREATER THAN 0.5' ABOVE SOD



NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL

THE USE OF SILTY LOAM IS PROHIBITED AS A POND BOTTOM MATERIAL.

TYPICAL "208" POND WITH DRAINAGE STRUCTURE
NOT TO SCALE



TYPE "R" SPILL CURB 6
NOT TO SCALE

SPOKANE COUNTY PLANNING DIVISION
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1774
DATE ACCEPTED: 5/6/2002
ACCEPTANCE EXPIRES: 5/6/2005
PROJECT LAND MISPLACEMENT: 0
PROJECT LAND MISPLACEMENT REMAINING: 0
RECORD DRAWINGS: YES NO
ACCEPTANCE NOTE: SEE PLANNING DIVISION FILE
PLANT REQUIRED: YES NO
MAINTENANCE BOND REQUIRED: YES NO
PLANNING DIVISION

DEVELOPER'S APPROVAL

5-2-02
DATE

Sheet Title
DETAILS

3 OF 4
Sheet Number

DETAIL SHEET
MEADOWVIEW TERRACE
DETAILS

County Number: XXXXXX
CUD Job Number: SC00045
Drawn By: LVS
Designer By: EMT
Checked By: TRW

NAVD'88 DATUM
BASED ON POND B.M. NO. 62
FOR SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 18 OF 30, BY DOWAY ENGINEERS, INC.
ELEVATION=2038.03

J:\LAND PROJECTS\SC\SC00045\DWG\SET_DETAILS.DWG, EN=01/10/2003 12:41:58 PM, JON

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

SECTION 20, T.25 N., R45 E., W.M.
SPOKANE COUNTY, WASHINGTON

VICINITY MAP

LEGEND

STORM DRAINAGE POND – NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.

STORM DRAINAGE STRUCTURE – NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.

SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.

STRAW BALES. SEE DETAIL 2.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND GENERAL NOTE 6.

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

NAVD'88 DATUM
BASED ON FOUND B.M. NO. 63
SEE SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 21, BY BOVAY ENGINEERS, INC.
ELEVATION=2030.00

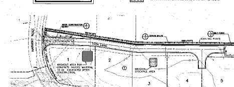
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

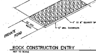
LEGAL DESCRIPTION

That portion of the Southwest 1/4 of Section 20, Township 25 North, Range 45 East, W.M., Spokane County, Washington described as follows:

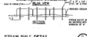
Commencing at the West One-quarter corner of said Section 20; thence South 88°47'07" East along the North line of said Southwest One-quarter of Section 20 a distance of 990.58 feet to the Northerly extension of the East line of MEADOWVIEW RANCH ESTATES filed in Book 21 of Plats, Page 38 Spokane County Auditor's records; thence South 00°04'30" West along said Northerly extension and East line a distance of 879.00 feet to the TRUE POINT OF BEGINNING said point being also the Southeast corner of Lot 5, Block 1 of said MEADOWVIEW RANCH ESTATES; thence South 89°41'07" East a distance of 332.00 feet to a point on the East line of the Northwest One-quarter of said Southwest One-quarter; thence South 00°04'30" West a distance of 229.97 feet; thence North 80°57'38" West a distance of 395.58 feet; thence North 28°04'54" West a distance of 82.64 feet to the beginning of a non-tangent curve concave east having a radius of 225.00 feet from which point a radial line bears North 71°33'19" East; thence northerly along said curve through a central angle of 16°39'15" an arc distance of 73.35 feet to the beginning of a curve concave east having a radius of 436.75 feet; thence northerly along said curve through a central angle of 6°31'50" an arc distance of 50.01 feet; thence South 81°24'38" East a distance of 294.11 feet to the TRUE POINT OF BEGINNING.

Said tract of land containing 116,127 square feet or 2.67 acres, along with and subject to any existing easements.

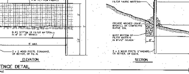




ROCK CONSTRUCTION ENTRY (2)
NOT TO SCALE



STRAW BALE DETAIL (2/1)
NOT TO SCALE



SILT FENCE DETAIL (1)
NOT TO SCALE

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

TODD R. WHIPPLE, P.E.

TEMPORARY EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

1. A TEMPORARY EROSION/SEDIMENT CONTROL (TESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE TESC PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE TESC 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 TESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE TESC PLAN.
3. THE TEMPORARY EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE TESC 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 RING OF DRYWELLS, 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, SEE DETAIL 1 THIS SHEET.
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 THIS SHEET.
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: BRYAN WALKER, TOMLINSON BLACK, (509) 922-7400.
   PERMIT APPLICANT: BRYAN WALKER, TOMLINSON BLACK, (509) 922-7400.
   CONTACT PERSON ON SITE: BRYAN WALKER, TOMLINSON BLACK, (509) 922-7400.
9. PROJECT LOCATION: IN THE SPOKANE VALLEY, SOUTH OF SPRAGUE AVENUE AND EAST OF BARKER, IN SECTION 20, TOWNSHIP 25 N., RANGE 45 E.W.M.
10. PROJECT DESCRIPTION: MEADOWVIEW TERRACE IS A RESIDENTIAL SUBDIVISION CONSISTING OF 5 LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, STORM DRAINAGE AND ELECTRICAL FACILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 600 LINEAR FEET OF A 40B PRIVATE ROAD AND CURBS, WITH ASSOCIATED STORM DRAINAGE.
11. DESCRIPTION OF TESC MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL TESC MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EXISTING VEGETATION:
13. PLAN PREPARATION DATE: MARCH 1, 2002
14. SOILS:
15. STABILIZATION OF DENUDED AREAS:
    ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE PERMANENTLY WITHIN 30–45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE GRASS AND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 80 lbs/ACRE.
16. CONTROL OF POLLUTANTS:
    ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL TEMPORARY ESC 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 TESC STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. ALL TEMPORARY ESC 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.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1779
DATE ACCEPTED: 5/16/2002
ACCEPTANCE EXPIRES: 5/16/2003
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.0

DEVELOPER'S APPROVAL
DATE 5-2-02

Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying

EXPIRES: 4/14/02

PREPARED UNDER THE DIRECT SUPERVISION OF TODD R. WHIPPLE, P.E. WASHINGTON REGISTRATION NO. 28482 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

FIRST SUBMITTAL
SECOND SUBMITTAL

County Number: XXXXXX
CLC Job Number: 5223.1145
Drawn By: LMC
Designed By: CH
Checked By: MJR

EROSION AND SEDIMENT CONTROL PLAN
MEADOWVIEW TERRACE

Sheet Title
EROSION AND SEDIMENT CONTROL PLAN

4 OF 4
Sheet Number

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.

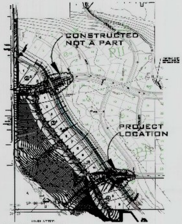
23. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ANY AND ALL INCONSISTENCIES BETWEEN THESE PLANS AND CONSTRUCTION STAKING. CONTRACTOR ASSUMES RESPONSIBILITY TO CONSTRUCT TO THESE PLANS IN LIEU OF FIELD STAKING. SHOULD INCONSISTENCIES BE APPARENT THE CONTRACTOR SHALL CONTACT THE ENGINEER,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

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
1026 WEST BROADWAY
SPOKANE, WASHINGTON 99260
PHONE: 509-477-7295
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: JIM GREENWOOD

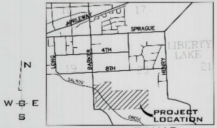
SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-9400

INSPECTION
ALLWEST
2928 E. INDIANA AVENUE
SPOKANE VALLEY, WA 99216
PHONE: 509-534-4411
FAX: 509-534-9328
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



VICINITY MAP

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 0.6 % (0.006 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

GENERAL
- 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

INDEX TO PLAN SHEETS

SHEET NO. 1 COVER SHEET AND NOTES
SHEET NO. 2 SECTIONS AND DETAILS
~~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

* Subject to HPA + FPD Permits

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1779D
DATE ACCEPTED: 03-14-14
ACCEPTANCE EXPIRES: 03-14-16
PROJECTS LANE MILES: PUBLIC: .03
PROJECT LANE MILES PRIVATE: Ø
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 — REGISTERED PROFESSIONAL ENGINEER
3/13/14

NO.	DATE	BY	REVISIONS
8	03/12/14	NJH	MYLAR SUBMITTAL
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	06/06	RLM	SUBMITTAL FOR APPROVAL
1	11/18	RLM	ORIGINAL PLAN PREPARATION

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

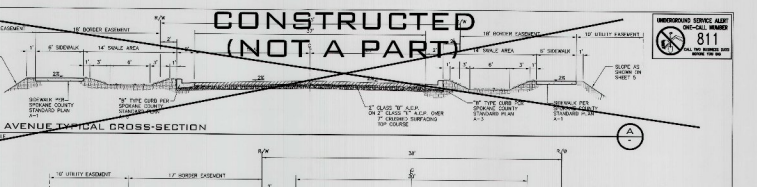
PROJ #: 2005-142
DATE: 03/12/14
DRAWN: RLM
APPROVED: TRW

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

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

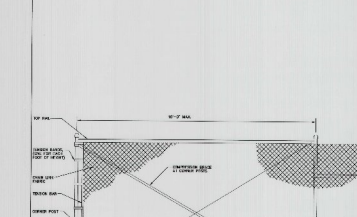
SHEET 1 OF 10
JOB NUMBER 2005-142

CONSTRUCTED (NOT A PART)



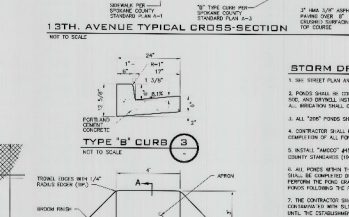
TYPE 'B' CURB 3

NOT TO SCALE



FENCE DETAIL 1

NOT TO SCALE



"B" TYPE CURB INLET 2

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, SOIL 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 "20%" PONDS SHOWN SHALL BE HIGHLY 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 "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) IN ALL DRYWELLS. SEE SPOKANE COUNTY STANDARDS (1993 EDITION) SHEET B-14 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 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 DEBRIS/NON MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CONSULTING ENGINEER.

8. ALL LANDSCAPE AREAS ("20%" PONDS) ARE TO BE IRRIGATED BY AN AN AUTOMATIC IRRIGATION SYSTEM DESIGNED BY OR UNDER THE DIRECTION OF THE LANDSCAPE CONTRACTOR. THE IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (BY SAME GUARANTEE). AN APPROVED BACKFLOW PREVENTOR SHALL BE INSTALLED TO PREVENT WATER FROM GOING BACK INTO THE WATER SUPPLY.

SLEEVING: PRIVATE SLEEVES 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 (12 FOOT BELOW FINISH GRADE. THE OWNER/PARTNERS/ 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, SWALES, 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 DRAINED PERCOLATION AREA (DPA) SWALE INCLUDES THE LEVEL PORTION OF THE SWALE, THE SIDE SLOPES UP TO THE ELEVATION OF THE FIRST OVERFLOW, OR TO THE ELEVATION OF TOP OF BERM(S). THE SOIL LOCATED IN THE FLOOR OF THE DPA SWALE SHOULD BE A MEDIUM TO MEDIUM-MANAGING MATERIAL WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL DPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY PUBLIC WORKS DIVISION, PRIOR TO THE ENGINEER'S PRELIMINARY PLAN REVIEW TO ENSURE ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL TEXTURE WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

EMBANKMENT FILL GRADATION 4

SIEVE	PERCENT PASSING
1 1/4"	85-100
NO. 4	35-100
NO. 10	25-100
NO. 50	3-35
NO. 200	0-5

NOTE:
DATUM = NGVD 29

NGVD-29 DATUM

BASED ON FOUND BENCH MARK NO. 52 (BRASS CAP IN CONCRETE MONUMENT PLAN-S. CONSTRUCTION PACKAGE NO. 2, SHEET 15, OF 20 BY BOWAY ENGINEERS, INC. ELEVATION = 2239.00

NO	DATE	BY	REVISIONS
5	09/12/14	RLM	MYLAR SUBMITTAL
7	01/20/15	RLM	SUBMITTAL FOR 13TH AVE CROSSING
8	02/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
9	05/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
10	08/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
11	10/01	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
12	06/08	RLM	SUBMITTAL FOR REVIEW
1	11/90	RLM	ORIGINAL PLAN PREPARATION

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

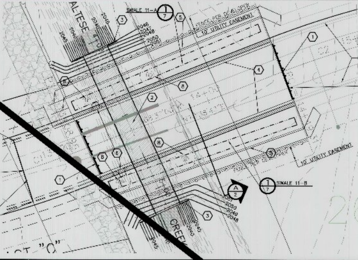
PROJ.#: 2005-142
DATE: 03/12/14
DRAWN: RLM
APPROVED: TRW

WCE
WHITE CRANE ENGINEERING
1922 WEST BOONE AVENUE
SPOKANE, WASHINGTON 99201
TEL (509) 326-2437 FAX (509) 326-2439

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 2005-142
DATE ACCEPTED: 03/12/14
PROJECT NAME: MEADOWVIEW TERRACE CREEK CROSSINGS
PROJECT LOCATION: 13TH AVE. BETWEEN LAKE MILLS & PUGET
PROJECT LAKE MILLS PRIVATE
CONSTRUCTION COMMENCEMENT AND WORK MUST BE COMPLETED WITHIN TWO YEARS FROM THE DATE OF ACCEPTANCE. THE SURETY PROVIDED FOR THE CONSTRUCTION WORK MUST REMAIN IN EFFECT UNTIL THE WORK IS COMPLETED AND ACCEPTED.
SURETY TYPE: CASH
SURETY PROVIDED BY: SPOKANE COUNTY
SURETY AMOUNT: $0.00

SHEET
2 OF 10
JOB NUMBER
2005-142



CONSTRUCTION NOTES

1. REMOVE EXISTING TYPE "I" BARRICADES AND RELOCATE TO STA. 14+5 WITH ROAD CLOSED SIGNS R-11A ON BARRICADES.
2. PROVIDE AND INSTALL 110 ± L.F. OF 16'-7" x 10'-1" STRUC AL PLATE PIPE ARCH AS MANUFACTURED BY SPOKANE CULVERT.
3. PROVIDE AND INSTALL CONCRETE WING WALLS FRO TTOM OF DITCH TO ELEVATION 2045.00. CONCRETE SHALL SEALED AND ANCH TO STRUCTURAL PIPE ARCH PER MANUFACTURES RECOMMENDATIONS.
4. PROVIDE AND INSTALL TYPE "B" CURB SPOKANE COUNTY STANDARD PLAN "A-3" AND DETAIL 3 SHEET 2.
5. PROVIDE AND INSTALL 6' CO TE SIDEWALK BOTH SIDES PER SPOKANE COUNTY STANDARD PLAN "A-1".
6. PROVIDE AND INST TYPE "1" CURB INLET PER SPOKANE COUNTY STANDARD PLAN "B-6" AND DETAIL 2 2.
7. SAWCUT STA. 12+76, TACK AND MATCH TO EXISTING PER SPOKANE COUNTY STAND . CUT CURBS IF NECESSARY.
8. IDE AND INSTALL TYPE "B" DRYWELL PER SPOKANE COUNTY STANDARD "B-1" SEE ROFILES THIS SHEET.

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

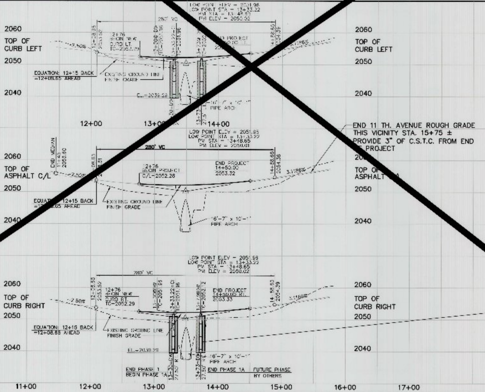
CURVE TABLE 11TH. AVE.

BGR. BACK	CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BGR. AHEAD
N88°59'46"W	C1	550.00	205.23	103.82	204.04	21°22'46"	
	C2	550.00	403.77	211.47	394.76	42°03'43"	N69°19'16"W

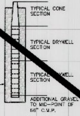
SCALE: PROFILE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 50'

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



CONSTRUCTED
(NOT A PART)



SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1779D
DATE ACCEPTED: 03-14-14
ACCEPTANCE EXPIRES: 03-14-16
PROJECTS LANE MILES: PUBLIC: .03
PROJECT LANE MILES PRIVATE: Ø
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 — 3/13/14

NGVD-29 DATUM
BASED ON FOUND BENCH MARK NO. 82 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V. SHEET 15 OF 20 BY BOVAY ENGINEERS, INC. ELEVATION = 2036.00

NO.	DATE	BY	REVISIONS
8	03/12/14	NJH	MYLAR SUBMITTAL
7	01/31/13	RLM	6TH 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

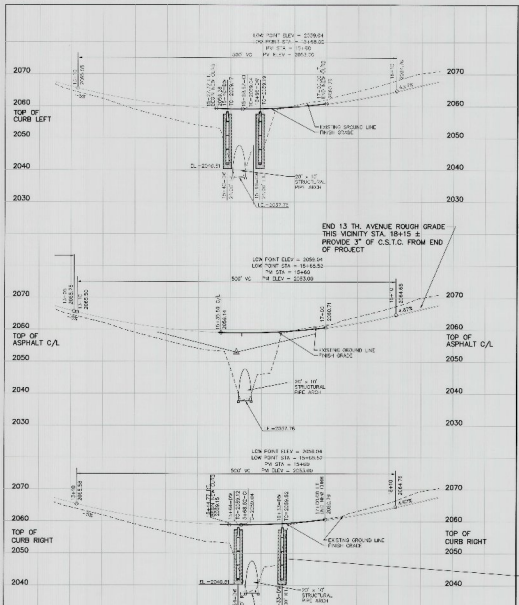
SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

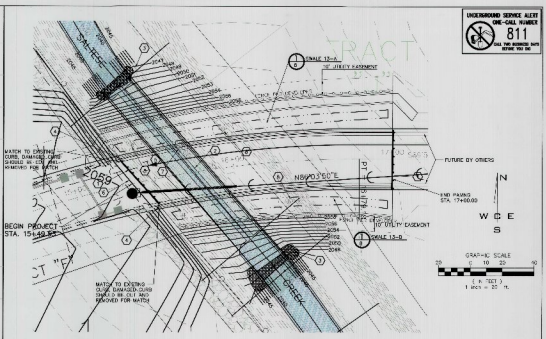
PROJ #: 2005-142
DATE: 03/12/14
DRAWN: RLM
APPROVED: TRW

WCE
WHIPPLE CONSULTING ENGINEERS

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
11TH. AVENUE STA. 13+18.51 TO STA. 14+50
SPOKANE COUNTY, WASHINGTON

SHEET 3 OF 10
JOB NUMBER 2005-142





CONSTRUCTION NOTES

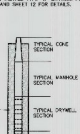
1. REMOVE EXISTING PIPE "D" BARRICADES WITH ROAD CLOSED SIGNS 9-119 AND RELOCATE TO 17+00.
2. PROVIDE AND INSTALL 174 & L.F. OF 24" x 10' STRUCTURAL PLATE PIPE ARCH MANUFACTURED BY SPOKANE CULVERTS.
3. PROVIDE AND INSTALL CONCRETE WING WALLS FROM BOTTOM OF DITCH TO ELEVATION 2040. CONCRETE SHALL BE SEALED AND ANCHORED TO STRUCTURAL PIPE ARCH AS RECOMMENDED BY MANUFACTURE.
4. PROVIDE AND INSTALL "D" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN "A-3" AND DETAIL 3 SHEET 2, MATCH TO EXISTING.
5. STA. 15+00.00 LT. PROVIDE AND INSTALL 5' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN "A-10" AND MATCH TO EXISTING.
6. SAWCUT LINE, C/L STA. 15+35.73, TACK AND MATCH TO EXISTING PER SPOKANE COUNTY STANDARDS.
7. PROVIDE AND INSTALL CURB INLET 1994 "I" PER SPOKANE COUNTY STANDARD PLAN "B-8", CUT CURBS AS NECESSARY.
8. PROVIDE AND INSTALL TYPE "M" DRYWELL PER SPOKANE COUNTY STANDARD PLAN "B-1" (SEE PROFILES THIS SHEET AND SHEET 12 FOR DETAILS.

CURVE TABLE 13TH. AVE.						
BRG BACK	CURVE	RADIUS LENGTH	TANGENT CHORD	DELTA	BRG AHEAD	
S6°24'40"W	C3	650.00	315.28	350.24	133.08	48°29'00" S83°53'40"E

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	95-100
NO. 4	50-100
NO. 10	25-80
NO. 40	8-30
NO. 200	0-3

NOTE:
DATUM - NGVD 29



NGVD-29 DATUM

BASED ON FINAL BENCH MARK NO. 62 ELEVATION 2 FEET ABOVE MEAN SEA LEVEL. PUBLIC CONSTRUCTION PACKAGE NO. 1, SHEET 15 OF 20 BY BANK ENGINEERS, INC. ELEVATION = 2636.00

NO	DATE	BY	REVISIONS
9	03/12/14	RLM	MYLAR SUBMITTAL
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	06/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	04/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	02/01	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	08/18	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

PROJ #: 2005/142
DATE: 03/12/14
DRAWN: RLM
APPROVED: TRW

WCE
WHITE CASTLE ENGINEERS
22208 NORTH HWY. 291 SPOKANE
TELEPHONE (509) 467-7000 FACSIMILE (509) 467-7001
WA REG. FIRM CERT. FOR SERVICES 1227

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE STA. 13+18.81 TO STA. 18+10
SPOKANE COUNTY, WASHINGTON

SPOKANE COUNTY PROJECT NUMBER
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2005-142
DATE RECEIVED 03/12/14
ACCEPTED FOR RECORD 03/12/14
PROJECTS LIVE MAPS PUBLIC
PROJECT AND MILES PROVIDED
PROJECT ENGINEER: TRAVIS W. WHITE
ISSUE DRAWING "AS-BUILT" OR OTHER ISSUE TO SUBMIT ADDITIONAL AND FUTURE SHEET IN SEQUENCE. ADD SHEET NUMBER TO SHEET NUMBER "SHEET NUMBER" ONLY
SHEET NUMBER: 4 OF 10
SHEET 4 OF 10
JOB NUMBER 2005-142

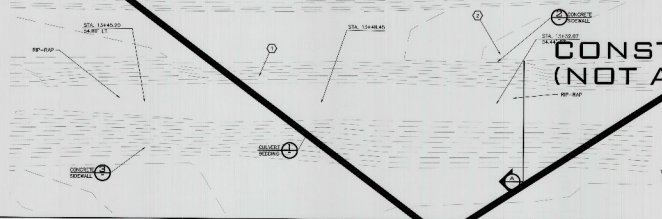
CONSTRUCTION NOTES

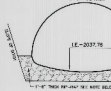
1. PROVIDE AND INSTALL 110 L.F. OF 18"-3" x 18"-3" STRUCTURAL PIPE ARCH. ANCHOR AND SEAL BETWEEN CULVERT AND CONCRETE AS RECOMMENDED BY MANUFACTURER. CONTACT CRES WILLIAMS AT CONTECH, AIRWAY HEIGHTS, WA. 509-241-4762.
2. CONTRACTOR SHALL REGRADE CONTOURS IN THIS AREA TO MATCH EXISTING.

UNDERGROUND SERVICE ALERT
UNC-CALL NUMBER
811
CALL THE BOXES SAFE
BEFORE YOU DIG

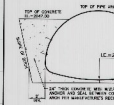
EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	85-100
NO. 4	50-100
NO. 8	40-90
NO. 50	5-35
NO. 200	0-5

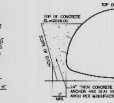




PIPE ARCH RIP-RAP (A)
NOT TO SCALE



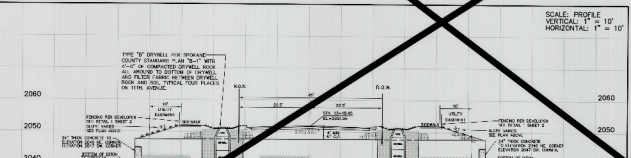
PIPE ARCH CONCRETE SIDEWALL SOUTH END (2)
NOT TO SCALE



PIPE ARCH CONCRETE SIDEWALL NORTH END (3)
NOT TO SCALE

CULVERT BEDDING DETAIL (1)
NOT TO SCALE

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



11TH AVENUE PIPE ARCH ELEVATION / SECTION

NGVD-29 DATUM
BASED ON FIELD BENCH MARK NO. 62 ELEVATION 2039.39 FROM 13+33+17.08 PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20 BY BOWAY ENGINEERS, INC. ELEVATION = 2038.10'

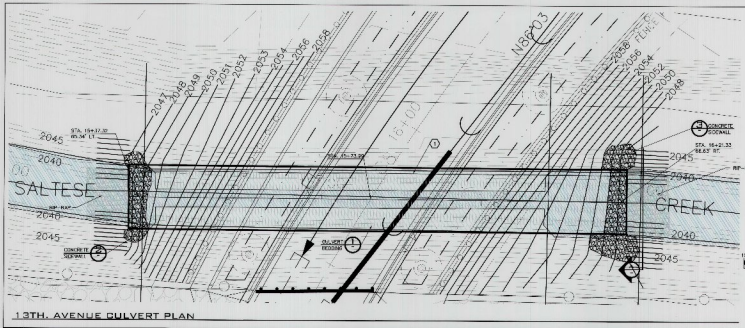
NO.	DATE	BY	REVISIONS
8	03-12-14	RLM	MT.AIR SUBMITTAL
7	04-21-13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	08/01	RLM	8TH SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	06/11	RLM	7TH SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	06/10	RLM	6TH SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	05/10	RLM	5TH SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	05/08	RLM	SUBMITTAL FOR APPROVAL
1	12/06	RLM	ORIGINAL PLAN PREPARATION

SCALE:	PROJ #:	2005-142
HORIZONTAL: AS SHOWN	DATE:	03/13/14
	DRAWN:	RLM
VERTICAL: AS SHOWN	APPROVED:	TRW

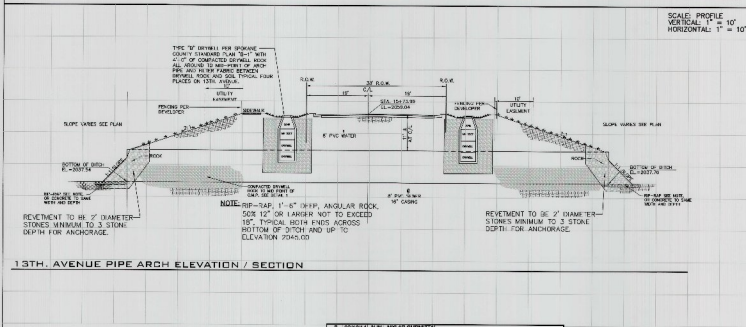
WCE
WESTERN CONSTRUCTION ENGINEERING
2906 N.DIVISION - P.O. BOX 1086
SPOKANE, WASHINGTON 99210-1086
(509) 326-2121 FAX (509) 326-2122

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
11TH AVENUE PIPE ARCH
SPOKANE COUNTY, WASHINGTON

SHEET
5 OF 10
JOB NUMBER
2005-142



13TH. AVENUE CULVERT PLAN



13TH. AVENUE PIPE ARCH ELEVATION / SECTION

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 17ft x 9' 20'-9" x 10'-9" STRUCTURAL PIPE ARCH, ASTM A-211 CORRUGATED STEEL PIPE, 2 2/3" CORRUGATION, 0.109 WALL, WITH ASPHALT COATED, FULLY FILLED AT CONTACT, ASTM A-849 (H.L. 84, 309-244-3053). SEE SHEET 8A FOR DETAILS OF WHAT WAS PROPOSED AND ARCH PIPE THAT WAS INSTALLED.

NOTE:
DATUM = NGVD 29

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
3 1/2"	60-100
NO.4	40-80
NO.10	20-55
NO. 50	5-35
NO. 200	0-5

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2005-142
DATE ACCEPTED 12/19/06
DATE ACCEPTED COMPLETE 12/19/06
PROJECTS LINE WHICH PUBLIC 0
PROJECT LINE WHICH PRIVATE 0
COUNTY ENGINEER/SURVEYOR OR COUNTY ENGINEER/SURVEYOR'S DESIGNEE HAS CHECKED TO CLEAR CONFLICTS AND OTHER ERRORS IN THE PLANS. THIS DOES NOT RELIEVE THE CONTRACTOR FROM REQUIRED CHECKING.
REVISIONS REQUIRED 2 COPIES REQ'D
REVISIONS MADE 2 COPIES REQ'D

NGVD-29 DATUM
BASED ON FIRM BENCH MARK NO. 92
SEE SHEET 1 OF 20 BOWAY ENGINEERS, INC. CONSTRUCTION PACKAGE NO. 1, SHEET 15 OF 20 BY BOWAY ENGINEERS, INC. ELEVATION = 2036.00

NO.	DATE	BY	DESCRIPTION
8	02/20/14	NJH	NVCAR SUBMITTAL
7	04/01/13	RLM	SUBMITTAL FOR TRIFLAW CROSSING
6	05/01	RLM	6TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	06/01	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	09/06	RLM	SUBMITTAL FOR APPROVAL
1	10/06	RLM	ORIGINAL PLAN PREPARATION
NO.	DATE	BY	DESCRIPTION

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

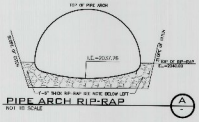
PROJ #: 2005-142
DATE: 01/08/13
DRAWN: RLM
APPROVED: TRW

WCE
WILSON ENGINEERING
A PROFESSIONAL SERVICES CORPORATION
SPOKANE, WA 99201 (509) 838-3110 FAX
TTY: (509) 455-1611 / 24/7 (509) 837-0127

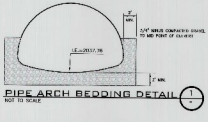
STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE PIPE ARCH
SPOKANE COUNTY, WASHINGTON

SHEET 6 OF 10
JOB NUMBER 2005-142

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



PIPE ARCH RIP-RAP
NOT TO SCALE
A



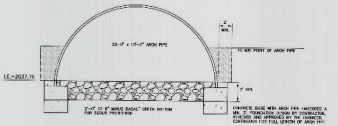
PIPE ARCH BEDDING DETAIL
NOT TO SCALE
1

EXISTING SECTIONS AND DETAILS FOR 13TH.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 17'-0" (X) 20'-0" (Y) x 10'-0" STRUCTURAL STEEL PLATE ARCH PIPE, WITH CONCRETE FOOTINGS, ANCHOR AND SOIL RETAINING PIPE ARCH AND CONCRETE AS RECOMMENDED PER MANUFACTURER. CONTACT: GREG WILLIAMS AT CONTECH, ARVADA HEIGHTS, WA., 206-242-3853.

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



NOTE:
DATUM = NGVD 29

ALTERNATE PIPE ARCH DETAIL
NOT TO SCALE
1

NGVD-29 DATUM

BASED ON FOUND BENCH MARK NO. 62 FOR SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 2 OF 20 BY BOVAY ENGINEERS, INC. ELEVATION = 2038.00

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

SCALE:	PROJ #:	2005-142
HORIZONTAL:	DATE:	01/08/13
AS SHOWN	DRAWN:	RLM
VERTICAL:	APPROVED:	TRW
AS SHOWN		

WCE
WORLD CONSULTING ENGINEERS
PROFESSIONAL CIVIL ENGINEERS
SPOKANE VALLEY, WASHINGTON
(509) 924-9217 FAX (509) 927-0960
THE WASHINGTON TAX GROUP, INC.

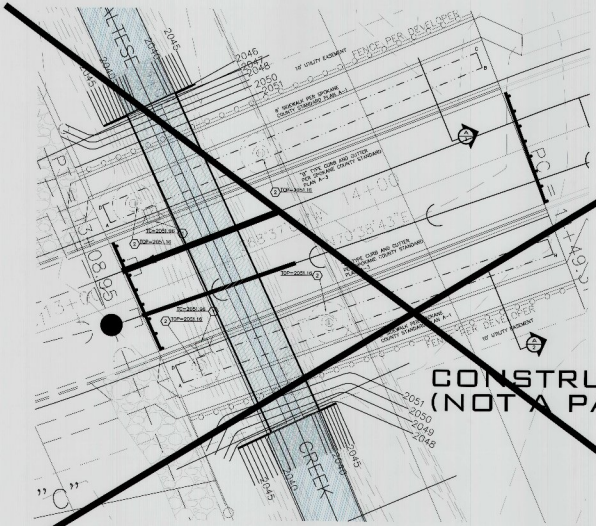
STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
13TH. AVENUE PIPE ARCH
SPOKANE COUNTY, WASHINGTON

SHEET
6A OF 10
JOB NUMBER
2005-142

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2005-142
DATE ACCEPTED: 03-14-13
PROJECT NAME: MEADOWVIEW TERRACE
PROJECTION LINE NAME: 13TH AVE
PROJECT LINE NAME: PIPE ARCH
CONSTRUCTION CHANGES/ERRORS ARE CONTAINED WITHIN PROJECT. THE "AS BUILT" AND RECORD DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL CHANGES MUST BE "AS-BUILTED" AND RECORDED ON RECORD DRAWINGS.
NOTE: SEAL CHANGES & REVISIONS DATE
SEAL CHANGES & REVISIONS

STATE OF WASHINGTON
TIMOTHY R. WOLF
CIVIL

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



SCALE SITE PLAN - 11TH. AVENUE
1" = 10'

SWALE BOTTOM LOCATION TABLE			
STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	13+20.00	24.50' LT	
B	13+40.10	26.17'	20.10'
C	13+46.10	26.50'	6.00'
D	13+59.60	27.33'	13.50'
E	13+60.10	27.33'	0.50'

SWALE "11-A"
PROVIDE GRADE SIGN-E BOTTOM EL=2050.60
MINIMUM SCRIB ELEV=2052.00
DRYWELL TO=2051.16

CONSTRUCTION NOTES 11 TH. AVE. SWALE LEFT AND RIGHT

1. PROVIDE AND INSTALL CURB INLET TYPE "C" PER SPOKANE COUNTY STANDARD PLAN D-5, TO=2051.96.
2. PROVIDE AND INSTALL TYPE "B" DRYWELL AT N/A+ 13+30, 27.73' LT. AND RT. AND TYPE "B" DRYWELL AT STA. 13+73, 29.23' LT. AND RT. TOP OF GRATE EL=2051.16 PER SPOKANE COUNTY STANDARD PLAN "B-1".

SWALE BOTTOM LOCATION TABLE			
STATION & OFFSET			
POINT	STATION	OFFSET	DISTANCE
A	14+28.51	30.00' LT	
B	14+46.10	24.50' LT	19.66'
C	14+52.10	24.50' LT	6.00'
D	14+75.13	24.50' LT	23.23'
E	14+75.63	24.50' LT	0.50'

SWALE "11-B"
PROVIDE GRADE SIGN-E BOTTOM EL=2050.60
MINIMUM SCRIB ELEV=2052.00
DRYWELL TO=2051.16

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	0-8

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC SUBMITTAL ORIGINAL
CONSTRUCTION PLANS
PROJECT NAME: MEADOWVIEW TERRACE
DATE 9-17-2014 PROJECT NO. 2005-142
ACCEPTANCE EXPIRES 9-17-2016
PROJECT ENGINEER: TRAVIS WOLFE
PROJECT LANE MILES: 0.0 MILES
NOTE: THIS PLAN SHALL BE VALID FOR ONE YEAR FROM ORIGINAL ACCEPTANCE DATE. FAILURE TO COMPLETE WORK WITHIN THE ACCEPTANCE PERIOD MAY REQUIRE PLAN REVIEW AND ACCEPTANCE AS PER CURRENT RULES.
"ONLY WORKS SHOWN ON THIS PLAN ARE ACCEPTED"
SIGNATURE OF SPOKANE COUNTY ENGINEER DATE

NGVD-29 DATUM
BASED ON TEMPO WRITE MARK NO. 62 ON SPOKANE VALLEY ORTHOPHOTO PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20 BY KITSAY ENGINEERS, INC. ELEVATION = 2036.00

NO.	DATE	BY	REVISIONS
8	06/13/14	RJW	1st SUBMITTAL
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	08/01	RLM	8TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	06/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	05/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/08	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	05/08	RLM	SUBMITTAL FOR APPROVAL
1	01/10	RLM	ORIGINAL PLAN PREPARATION

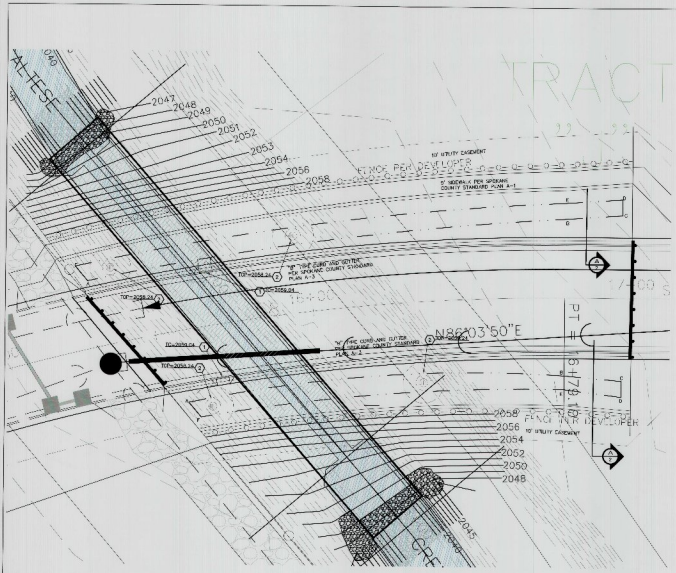
SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2005-142
DATE: 06/18/14
DRAWN: RLM
APPROVED: TRW

WCE
WHITE CRESTER ENGINEERS
1115 N. MAYFAIR, SPOKANE, WA 99207
STATE OF WASHINGTON REGISTERED ENGINEERS AND LAND SURVEYORS

STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE
CREEK CROSSINGS
11TH. AVENUE SWALE DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET
7 OF 10
DRAWING NO.
2005-142



SWALE SITE PLAN - 13TH. AVENUE

SCALE: 1" = 10'

SWALE BOTTOM LOCATION TABLE					
STATION & OFFSET					
POINT	STATION	OFFSET	STORAGE	RADIUS	
A	15+32.72	31.00' LT			
B	15+70.72	31.00' LT	193.44'	30.00'R'	
C	16+72.03	29.91' LT	17.94'		
D	16+77.03	29.91' LT	3.00'		
E	16+79.03	29.91' LT	12.06'		
F	17+20.69	29.91' LT	155.30'	80'L63'	
G	17+21.19	29.91' LT	0.00'		
H	17+58.72	31.00' LT			

SWALE "13-A"
SWALE GRADE ON A BOTTOM EL.=2057.74
SWALE BOTTOM AREA PROVIDED=941 S.F.
MINIMUM BOTTOM REQ'D=2052.12
INVWALL TG=2058.24

CONSTRUCTION NOTES 13 TH. AVE. SWALE LEFT AND RIGHT

1. PROVIDE AND INSTALL CURB INLET TYPE "I" PER SPOKANE COUNTY STANDARD PLAN "B-8", TC=2050.04.
2. PROVIDE AND INSTALL 6" U.I.A. 70+80 AND 15+96, 24.00' LT, STA. 15+64 AND 16+33 RT., 24.00' RT., TYPE "W" INVWALL PER SPOKANE COUNTY STANDARD PLAN D-1, TOP OF SWALE EL.=2058.24.

SWALE BOTTOM LOCATION TABLE					
STATION & OFFSET					
POINT	STATION	OFFSET	STORAGE	RADIUS	
A	15+56.55	32.00' RT			
B	15+74.55	32.00' RT	18.37'	4'R.00'	
C	15+76.55	32.00' RT	17.97'		
D	15+77.05	32.00' RT	3.00'		
E	15+77.05	32.00' RT	0.00'		
F	16+79.03	28.00' RT	114.32'	58'L42'	
G	17+20.69	27.00' RT	0.00'		
A	17+20.69	27.00' RT			

SWALE "13-B"
SWALE GRADE SWALE BOTTOM EL.=2057.74
SWALE BOTTOM AREA PROVIDED=754 S.F.
MINIMUM BOTTOM REQ'D=2052.12
INVWALL TG=2058.24

EMBANKMENT FILL GRADATION

SIEVE	PERCENT PASSING
1 1/2"	95-100
NO. 4	55-100
NO. 10	40-100
NO. 50	5-30
NO. 200	0-3

NOTE:
DATUM = NGVD 29

NGVD-29 DATUM

BASED ON FOUND WATER MARK NO. 62 FOR SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PROGRESS NO. V SHEET 15 OF 20 BY MONAY ENGINEERS, INC. ELEVATION = 2036.00

9	03/13/14	NJR	UPDATE SUBMITTAL
7	01/31/08	RLM	SUBSIDITAL FOR 13TH AVE CROSSING
6	05/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	03/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	06/12	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
1	06/09	RLM	SUBMITTAL FOR APPROVAL
1	01/09	RLM	ORIGINAL PLAN PREPARATION
NO.	DATE	BY	REVISION

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

PROJ #: 2005-142
DATE: 03/13/14
DRAWN: RLM
APPROVED: TRW

WCE
WHITE CROW ENGINEERING INC.
10700 NE 4TH STREET, SUITE 1100
BELLEVUE, WA 98004
PH (425) 453-8600 FAX (425) 462-2001

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

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC IMPROVEMENT PLANS
CONSTRUCTION PLANS
PROJECT # 2-142
DATE ACCEPTED: 03-7-13
ACCEPTED BY: [illegible]
DEDICATION & EASEMENTS: [illegible]
PROJECT LAND MILES PROVIDED: [illegible]
CONSTRUCTION DEFICIENCIES AND OTHER ITEMS PENDING: "AS BUILT" OR "RUNNING PRINT" PLANS REQUIRED PRIOR TO FINAL ACCEPTANCE. ALL DEFICIENCIES MUST BE CORRECTED PRIOR TO FINAL ACCEPTANCE.
NOTE: THIS SHEET DESIGNED & DRAWN BY WHITE CROW ENGINEERING INC.

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.

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

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** 509-622-3583
   PERMIT APPLICANT: **BRYAN WALKER**
   CONTACT PERSON ON SITE: **BRYAN WALKER** 509-622-3583
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, BaB BONG AND PHOEBE LOAMY SANDS, 0% TO 20% SLOPES; MaC MARBLE LOAMY SAND, 0% TO 30% SLOPES; PsA PHOEBE SANDY LOAM, 0% TO 5% SLOPES; PoA 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

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

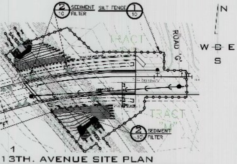
THAT PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 20, TOWNSHIP 25 NORTH, RANGE 45 EAST, W.M., SPOKANE COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:
COMMENCING AT A 3/4 INCH PIPE ACCEPTED AS THE SOUTHWEST CORNER OF 20; THENCE NORTH 00°00'50" EAST ALONG THE WEST LINE OF SAID SOUTHWEST ONE-QUARTER A DISTANCE 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 205.23 FEET; THENCE NORTH 68°37'00" EAST A DISTANCE OF 9.64 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_._ FEET;
THENCE SOUTH 20°27'57" EAST A DISTANCE OF 52.0_ 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 2_°_2'32" WEST A DISTANCE OF 16.74 FEET;
THENCE NORTH 24°58'29" WEST A DISTANCE OF 57.87 FEET TO THE TRUE POINT OF BEGINNING.
CONTAINING 25,258 SQUARE FEET OR 0.57 ACRES

CONSTRUCTED (NOT A PART)

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°48'29" 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 182.95 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'

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
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 MISSON 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

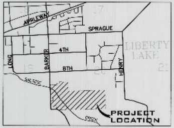
SOLID WASTE
WASTE MANAGEMENT
SPOKANE, WASHINGTON
PHONE: 509-466-9400

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.

INSPECTION
ALLWEST
2928 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



VICINITY MAP

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.

NOTE:
DATUM - NGVD 29

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1779D
DATE ACCEPTED: 03-14-14
ACCEPTANCE EXPIRES: 03-__-16
PROJECTS LANE MILES: PUBLIC: .03
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

TODD R. WHIPPLE
PROFESSIONAL ENGINEER
3/13/14

NO.	DATE	BY	REVISIONS
8	03/12/14	NJH	MYLAR SUBMITTAL
7	01/31/13	RLM	SUBMITTAL FOR 13TH AVE CROSSING
6	06/01	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	06/05	RLM	SUBMITTAL FOR APPROVAL
1	01/20	RLM	ORIGINAL PLAN PREPARATION

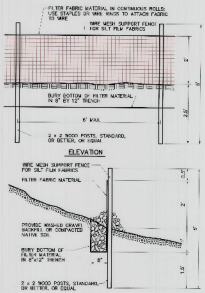
SCALE:
HORIZONTAL: N.A.
VERTICAL: N.A.

PROJ #: 2005-142
DATE: 03/12/14
DRAWN: RLM
APPROVED: TRW

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

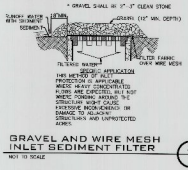
STREET IMPROVEMENT PLANS
MEADOWVIEW TERRACE CREEK CROSSINGS
SPOKANE COUNTY, WASHINGTON

SHEET 9 OF 10
JOB NUMBER 2005-142



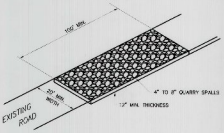
SILT FENCE DETAIL (1)

NOT TO SCALE



GRAVEL AND WIRE MESH INLET SEDIMENT FILTER (2)

NOT TO SCALE



ROCK CONSTRUCTION ENTRY (3)

NOT TO SCALE

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

LEGEND

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

NOTE:
DATUM = NGVD 29

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT ARCHIVE
CONSTRUCTION PLANS
PROJECT #: 2005-142
DATE ACCEPTED: 2/28/2013
PROJECT NAME: MEADOWVIEW TERRACE
PROJECT LANE MILES PRIVATE: 0.4
CONSTRUCTION INSPECTION AND CONTROL SERVICES PROVIDED BY: WCE
THIS DOCUMENT MAY NOT BE THE LATEST REVISION. THE LATEST REVISION MAY BE OBTAINED FROM THE SPOKANE COUNTY PUBLIC WORKS WEBSITE.
PRINT PROPERLY SIZE 11 FOR REFERENCE.
WORK PERMIT ISSUED 2 SEASONS CWP
NOT FOR CONSTRUCTION

NGVD-29 DATUM

BASED ON FIXED BENCH MARK NO. 62 PER SPOKANE VALLEY INTERSECTION PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20 BY BOSWY ENGINEERS, INC. ELEVATION = 2026.00

NO	CH. 1	BY	REVISIONS
9	03/12/14	NJH	MYLAR SUBMITTAL
7	01/31/13	RLM	SUBMITTAL FOR UPR AVE CROSSING
6	05/01	RLM	5TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
5	05/01	RLM	4TH. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
4	05/13	RLM	3RD. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
3	06/06	RLM	2ND. SUBMITTAL TO SPOKANE COUNTY ENGINEERS
2	06/06	RLM	SUBMITTAL FOR APPROVAL
1	01/06	RLM	ORIGINAL PLAN PREPARATION

SCALE:	
HORIZONTAL:	N.A.
VERTICAL:	N.A.
PROJ #:	2005-142
DATE:	01/05/10
DRAWN:	RLM
APPROVED:	TBW

WCE
WHITE CRESCENT ENGINEERING
1101 N. MONROE, SUITE 200
SPOKANE VALLEY, WASHINGTON 99216
PH (509) 922-2011 FAX (509) 927-1567

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

SHEET 10 OF 10

JOB NUMBER 2005-142