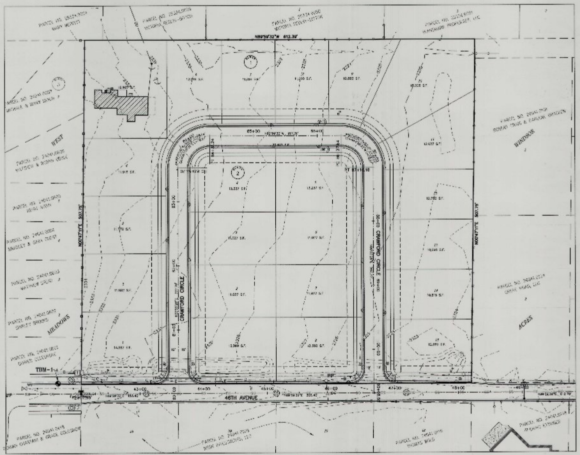
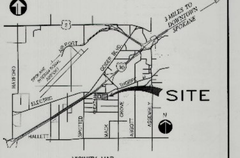
ROAD & DRAINAGE CONSTRUCTION PLANS FOR

WEST MEADOWS - 1ST ADDITION

NE 1/4 OF SECTION 4, TOWNSHIP 24 NORTH RANGE 42 EAST W.M., SPOKANE COUNTY, WASHINGTON



SITE MAP
SCALE: 1"=50'



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" JANUARY 2016, AND AS AMENDED.
2. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 1-800-424-5555 BEFORE YOU DIG.
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 PARKING AREAS AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE ACCEPTED 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.
6. THE CONTRACTOR SHOULD TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORM WATER FACILITIES (E.G. LINE THE FACILITY WITH FILTER FABRIC, OVER-EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.)
7. DURING CONSTRUCTION THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING CONTINUOUS DUST CONTROL THROUGH THE USE OF WATER TRUCKS, SPRINKLING OR OTHER APPROVED METHODS.
8. UNDERDRAIN STRUCTURES TO BE 20" ROUND POLYLOCK DRAIN BOX OR APPROVED EQUAL.
9. OWNER SHALL IRRIGATE GRASS AREAS USED FOR STORMWATER TREATMENT AS NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION.
10. CURB RAMPS SHALL BE CONSTRUCTED PER SPOKANE COUNTY ENGINEERS STANDARD PLAN A-5
11. SEPERATED SIDEWALK SHALL BE CONSTRUCTED PER SPOKANE COUNTY ENGINEERS STANDARD PLAN A-1
12. ALL DRIVEWAY APPROACHES SHALL BE CONSTRUCTED PER SPOKANE COUNTY ENGINEERS STANDARD PLAN A-4 AT THE TIME OF RESIDENTIAL HOME CONSTRUCTION.
13. A CURB DROP PER SPOKANE COUNTY STANDARD B-8 WITH AN "L" DIMENSION OF 2' WILL BE CONSTRUCTED ON EACH SIDE OF ALL DRIVEWAY APPROACHES AT TIME OF CONSTRUCTION.
14. ROAD GRADES WILL ALLOW STRIP SWALES TO FOLLOW A CONSTANT DEPTH OF 12" BELOW ADJACENT CURB FLOW LINE. UNDER DRAIN LINES WILL FOLLOW A CONSTANT DEPTH OF 3' BELOW ADJACENT CURB FLOW LINE UNLESS OTHERWISE NOTED.

LEGEND

- INTX = INTERSECTION
- CR = CURB RETURN
- TC = TOP OF CURB
- FL = FLOW LINE
- ER = EDGE OF ROAD
- BOC = BEGINNING OF CONSTRUCTION
- EOC = END OF CONSTRUCTION
- = UTILITY POLE
- = UTILITY SIGN
- = PROPOSED STREET SIGN
- = GUY WIRE
- = TRANSFORMER
- = NEW SEWER MANHOLE
- = EXISTING SEWER MANHOLE
- = STORM DRAIN
- = POLYLOCK DRAIN BOX
- = SANITARY SEWER SERVICE
- SS = SANITARY SEWER
- = WATER SERVICE
- W = WATER LINE
- SD = STORM DRAIN
- OU = OVERHEAD ELECTRIC
- OP = OVERFLOW PUMP
- = TYPE I CURB INLET
- = TYPE I CURB INLET
- = ASPHALT
- = GRAVEL
- XXXX.XX' T.B.M. = TEMPORARY BENCHMARK

DRAWING INDEX

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CRAWFORD CIRCLE PLAN & PROFILE	3
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TEMPORARY BENCH MARK (TBM)

TBM-1 NAVD - 88
SET MAG NAIL IN CURB WITH 1-1/2" ALUMINUM WASHER "A&C INC CONTROL"
ELEV.= 2332.03

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-2060
DATE ACCEPTED: 1-2-19
ACCEPTANCE EXPIRES: 1-2-21
PROJECT LANE MILES PUBLIC: .79
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

* Revised to accept internal streets as public roads per approved design deviation.

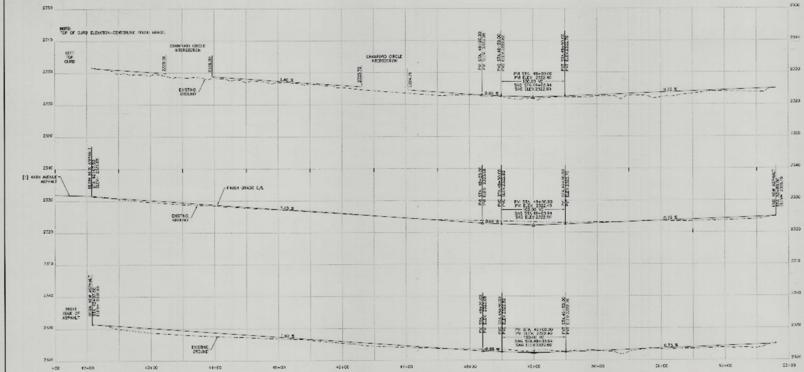
ENGINEER'S CERTIFICATE

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO THE APPLICABLE EDITIONS OF THE SPOKANE COUNTY ROAD STANDARDS AND THE SPOKANE REGIONAL STORMWATER MANUAL.

GREGORY S. MILLER, STATE OF WASHINGTON, 37460, PROFESSIONAL ENGINEER
1/02/19

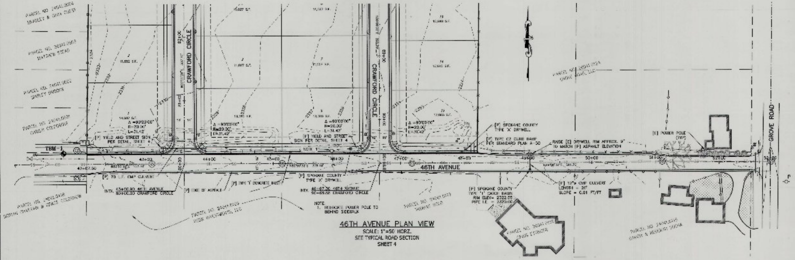
CALL BEFORE YOU DIG: 811

Adams & Clark, Inc.
1720 W. Fourth Ave.
Spokane, WA 99201-5302
(509) 747-4600 F(509) 747-4613
www.adamsandclark.com
Project No. 2017-01-056



46TH AVENUE PROFILE STA 42+07.50 TO 52+80.00

SCALE: 1"=50' HORZ.
1"=10' VERT.



46TH AVENUE PLAN VIEW

SCALE: 1"=50 HORZ.
SEE TYPICAL ROAD SECTION
SHEET 4

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-2060
DATE ACCEPTED: 1-2-19
ACCEPTANCE EXPIRES: 1-2-21
PROJECT LANE MILES PUBLIC: .74
PROJECT LANE MILES PRIVATE: Ø

NOTES:

1. SLIDE CURB INLET & LOW POINT EAST AS NECESSARY TO CLEAR FIRE HYDRANT.

LEGEND

- [E] = EXISTING
- [P] = PROPOSED
- INTX = INTERSECTION
- CR = CURB RETURN
- TC = TOP OF CURB
- FL = FLOW LINE
- ER = EDGE OF ROAD
- BOC = BEGINNING OF CONSTRUCTION
- EOC = END OF CONSTRUCTION
- = UTILITY POLE
- = UTILITY SIGN
- = PROPOSED STREET SIGN
- = GUY WIRE
- = TRANSFORMER
- = NEW SEWER MANHOLE
- = EXISTING SEWER MANHOLE
- = CATCH BASIN
- = SPOKANE COUNTY DRYWELL
- = SANITARY SEWER SERVICE
- SS = SANITARY SEWER
- = WATER SERVICE
- W = WATER LINE
- SD = STORM DRAIN
- OH = OVERHEAD ELECTRIC
- OP = OVERFLOW PUMP
- = TYPE I CURB INLET
- = TYPE I CURB INLET
- = ASPHALT
- = GRAVEL

CURB DROP LOCATIONS

STA	SIDE	ROAD
42+27	LEFT	46TH AVENUE
43+27	LEFT	46TH AVENUE
44+27	LEFT	46TH AVENUE
45+27	LEFT	46TH AVENUE
46+27	LEFT	46TH AVENUE
47+07	LEFT	46TH AVENUE
47+97	LEFT	46TH AVENUE

01/02/19

SHEET 2 OF 6

CALL BEFORE YOU DIG: 811

BY	REVISIONS	DATE	PROJ	FROM	AS BUILT	TO	ACCEPT

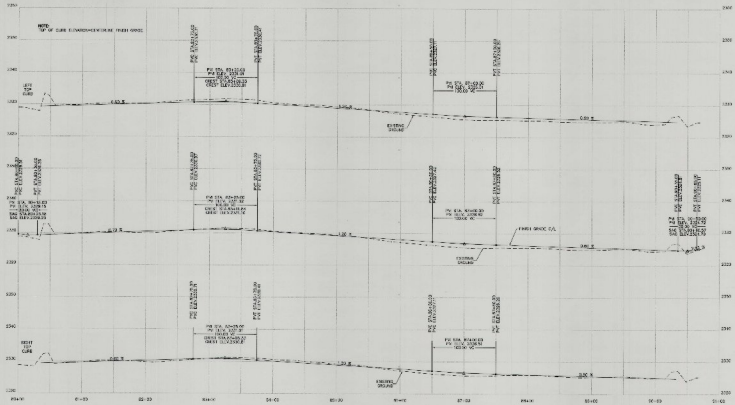
BENCH MARK DATUM	SCALE	DATE	STAFF
BY: NAVD88	HORIZONTAL 50'	6/8/18	DRAWN EMS
ELEVATION: 2330.87	VERTICAL 10'	6/8/18	CHECKED GM
LOCATION: T.B.M #1			APPROVED

ADAMS & CLARK, Inc.
www.adamsandclark.com
1720 W. Fourth Ave.
Spokane, WA 99201
(509) 747-4600 F(509) 747-0813

46TH AVENUE
STA 42+07.50 TO 52+80.00
PLAN AND PROFILE
WEST MEADOWS – 1ST ADDITION

TYPE OF IMPROVEMENT: STREET

PROJECT NUMBER	PLAN NUMBER
2017-01-066	

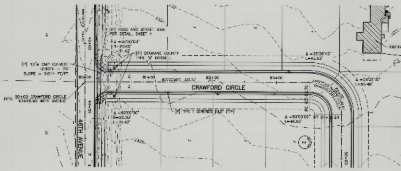


CRAWFORD CIRCLE PROFILE STA 80+00 TO 90+68.88
SCALE: 1"=50' HORZ.
1"=20' VERT.

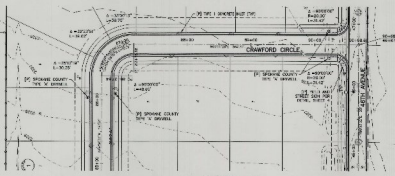
CURB DROP LOCATIONS		
STA	SIDE	ROAD
80+00	LEFT	CRAWFORD
80+00	RIGHT	CRAWFORD
81+60	LEFT	CRAWFORD
81+30	RIGHT	CRAWFORD
82+00	RIGHT	CRAWFORD
82+00	RIGHT	CRAWFORD
83+20	RIGHT	CRAWFORD
84+40	LEFT	CRAWFORD
84+41	RIGHT	CRAWFORD
85+38	LEFT	CRAWFORD
85+38	RIGHT	CRAWFORD
86+98	LEFT	CRAWFORD
87+03	RIGHT	CRAWFORD
87+17	LEFT	CRAWFORD
87+76	RIGHT	CRAWFORD
87+87	LEFT	CRAWFORD
88+62	RIGHT	CRAWFORD
88+66	LEFT	CRAWFORD
89+38	RIGHT	CRAWFORD
89+83	LEFT	CRAWFORD
90+22	RIGHT	CRAWFORD
90+23	LEFT	CRAWFORD

LEGEND

- TC = EXISTING
- (#) = PROPOSED
- INTS = INTERSECTION
- CR = CURB RETURN
- TC = TOP OF CURB
- FL = FLOW LINE
- EB = EDGE OF ROAD
- BOC = BEGINNING OF CONSTRUCTION
- EOC = END OF CONSTRUCTION
- = UTILITY POLE
- = UTILITY SIGN
- = PROPOSED STREET SIGN
- = CUT SWIP
- = TRANSFORMER
- = NON SURVEY MANHOLE
- = EXISTING SURVEY MANHOLE
- = STORM DRAIN
- = SPOKANE COUNTY DRYWELL
- = SANITARY SEWER SERVICE
- = SANITARY SEWER
- = WATER SERVICE
- = SURVEY LINE
- = STORM DRAIN
- = OVERHEAD ELECTRIC
- OP = OVERHEAD POLE
- = TYPE I CURB INLET
- = TYPE II CURB INLET
- = ASPHALT
- = GRAVEL



CRAWFORD CIRCLE STA 80+00 TO 85+00
SCALE: 1"=50' HORZ.



CRAWFORD CIRCLE STA 85+00 TO 90+68.88
SCALE: 1"=50' HORZ.

SPOKANE COUNTY ENGINEERS OFFICE
APPROVED FOR CONSTRUCTION PLAN SIGNATURE
CONSTRUCTION PLANS
PROJECT NUMBER: P-2066
PLANS ACCEPTED: 1-2-11
ACCEPTANCE EXPIRES: 1-2-14
TIME AND FILE PLANS: 1-2-11
ACCEPTANCE OF PLANS DOES NOT ALLOW THE ENGINEER TO DEVIATE FROM THE ORIGINAL DESIGN INTENT WITHOUT WRITTEN APPROVAL FROM THE SPOKANE COUNTY ENGINEER. ACCEPTANCE OF PLANS DOES NOT ALLOW THE ENGINEER TO DEVIATE FROM SPOKANE COUNTY STANDARDS WITHOUT WRITTEN APPROVAL FROM THE SPOKANE COUNTY ENGINEER. ACCEPTANCE OF PLANS DOES NOT ALLOW THE ENGINEER TO DEVIATE FROM THE SPOKANE COUNTY STANDARD SPECIFICATIONS WITHOUT WRITTEN APPROVAL FROM THE SPOKANE COUNTY ENGINEER.

01/12/09

SHEET 3 OF 6

CALL BEFORE YOU DIG: 811

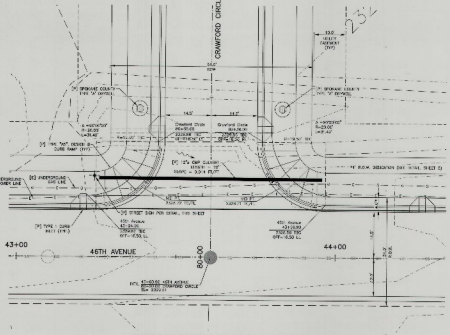
NO	REVISIONS	DATE	PREP.	FROM	AS BUILT	TO MONTH

BENCH MARK DATUM	SCALE	DATE	STAFF
NAD 1983/88	HORIZONTAL 1"=50'	9/14/09	DRAFT
ELEVATION: 2270.37'	VERTICAL 1"=20'	9/14/09	CHECKED
LOCATION: T.26N. R.			APPROVED

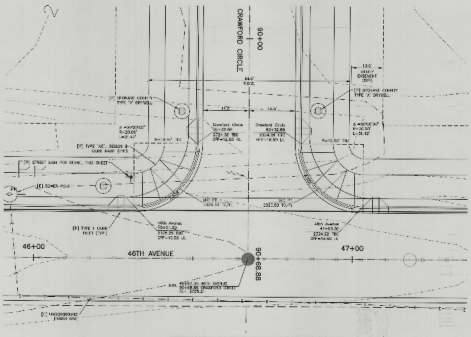
ADAMS & CLARK, Inc.
www.adamsandclark.com
1120 N. Fourth Ave.
Spokane, WA 99202
(509) 747-4001 (509) 747-4013

CRAWFORD CIRCLE
STA 80+00.00 TO 90+68.88
PLAN AND PROFILE
WEST MEADOWS 1ST ADDITION

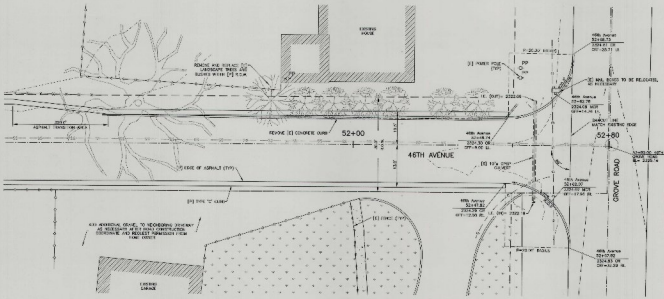
TYPE OF IMPROVEMENT: STREET	
PROJECT NUMBER: 237-7-01-059	PLAN NUMBER: 4



46TH AVENUE / CRAWFORD CIRCLE - WEST INTERSECTION
SCALE: 1"=10'



46TH AVENUE / CRAWFORD CIRCLE - EAST INTERSECTION
SCALE: 1"=10'



46TH AVENUE / GROVE ROAD INTERSECTION
SCALE: 1"=20'

LEGEND

- (1) = EXISTING
- [1] = PROPOSED
- INTX = INTERSECTION
- CR = CLOSE RETURN
- TC = TOP OF CURB
- FL = FLOW LINE
- EP = EDGE OF ROAD
- BCC = BEGINNING OF CONSTRUCTION
- ECC = END OF CONSTRUCTION
- = UTILITY POLE
- = UTILITY SIGN
- = PROPOSED STREET SIGN
- = GAS VALVE
- = TRANSFORMER
- = NEW SEWER MANHOLE
- = EXISTING SEWER MANHOLE
- = CATCH BASIN
- = EXTENSION DRAIN BOX
- = SANITARY SEWER SERVICE
- = DRIVEWAY CULVERT
- = WATER SERVICE
- = WATER LINE
- = STORM SEWER
- = OVERHEAD ELECTRIC
- = OVERFLOW RAMP
- = TYPE I CURB INLET
- = TYPE I CURB INLET
- = STORM SEWER SINGLE
- = ASPHALT
- = CONCRETE

OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 97-0-0-0
ADOPTED BY CITY COUNCIL
ACCEPTED BY CITY ENGINEER
PROJECT LAKE WILLIS PUBLIC IMPROVEMENTS
CONTRACT LANDS WILLIS PUBLIC IMPROVEMENTS
THIS PLAN IS ACCEPTED FOR CONSTRUCTION PURPOSES ONLY. THE CITY OF WEST MEADOWS ASSUMES NO RESPONSIBILITY FOR PROPERTY DAMAGE, INJURY OR LOSS RESULTING FROM ERRORS, OMISSIONS, OR MISINTERPRETATIONS OF THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PROPERTY REQUIREMENTS, ADDED WITH WORK.
THE CONTRACTOR IS RESPONSIBLE FOR ALL PROPERTY DAMAGE, INJURY OR LOSS RESULTING FROM ERRORS, OMISSIONS, OR MISINTERPRETATIONS.

CALL BEFORE YOU DIG: 811

SHEET 4 OF 6

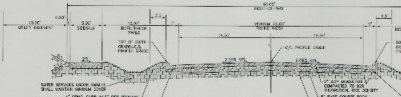
NO	REVISIONS	SYM	PROJ	FROM	AS BUILT	TO MODIFY

BENCH MARK DATUM	SCALE	DATE	STAFF
BM NAVD88	HORIZONTAL 30"	8/8/98 DRAWN	NKB
ELEVATION 2232.97	VERTICAL 10"	8/8/98 CHECKED	JD
LOCATION T.R.S.		APPROVED	

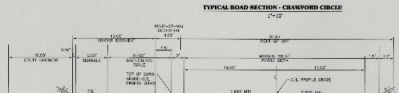
ADAMS & CLARK, Inc.
www.adamsandclark.com
1700 N. Lincoln
Opelousas, MO 63361
(660) 747-4000 (800) 747-0018

DETAILS
INTERSECTION DETAILS
WEST MEADOWS 1ST ADDITION

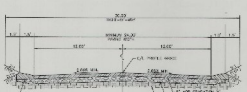
TYPE OF IMPROVEMENT	STREET
PROJECT NUMBER	PLAN NUMBER
2317-01-096	



TYPICAL ROAD SECTION - CRAWFORD CIRCLE
1"=20'



TYPICAL ROAD SECTION - 16TH AVENUE (STA 12+07.50 - STA 48+20.50)
1"=20'



TYPICAL ROAD SECTION - 16TH AVENUE (STA 48+50.50 - STA 50+93.00)
1"=20'

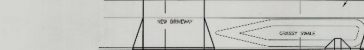
TYPICAL ROAD SECTION - 16TH AVENUE (STA 51+25.00 - GROVE ROAD)
1"=20'

TYPICAL STREET SIGN DETAIL
(SEE SPOKANE COUNTY STANDARD PLAN A-65)
N.T.S.

The Floor of a Stormwater Percolation Area (SPA) needs what we consider fill. The soil located in the floor of the SPA made what we consider to well-draining material, with a minimum infiltration rate of 1.0 inches per hour. The same floor material and its moisture content is called out already and you need to provide the information in your report. Please provide the information on the grading plan per Appendix "A", Spokane Regional Stormwater Manual or similar.

TYPICAL BIOFILTRATION SWALE SECTION
N.T.S.

PLAN



SECTION A-A

CONCRETE DRIVEWAY DETAIL
N.T.S.

SECTION B-B

OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-15-06
DATE RECEIVED: 10-15-15
PROJECT ENGINEER: 15-14
PROJECT LAND USE PUBLIC: 24
PROJECT LAND USE PRIVATE: 24
PROJECT CONTACT: ADAM CLARK, ADAM@ACLARK.NET
PROJECT DRAWING TITLE: ROAD AND DRAINAGE
PROJECT DRAWING NUMBER: 2017-01-003
PLANS AND PROJECT REQUIST FOR ADMINISTRATION
PERMIT REQUESTED: (509) 477-3600
INFORMATION: WWW.SPOKANECOUNTY.ORG
PROJECT COORDINATOR: (509) 477-3600

SHEET 5 OF 6

CALL BEFORE YOU DIG: 811

#	REVISIONS	DATE	PREP.	TRIM	AS BUILT	TO WORK

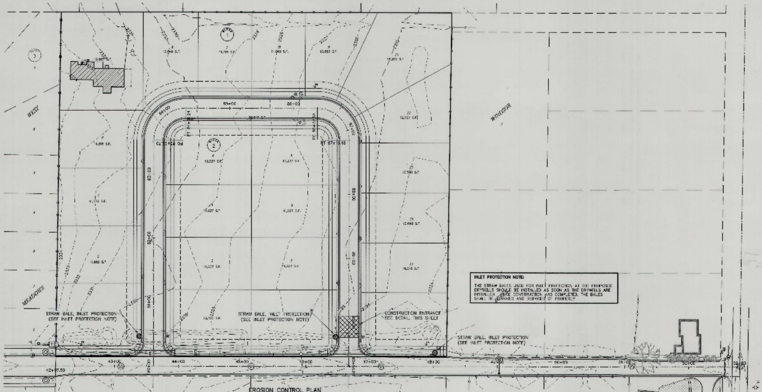
BENCH MARK DATUM	SCALE	DATE	STAFF
NAD 1983	HORIZONTAL: 1"	6/18	DRAWN: TKS
VERTICAL: NAVD 88	VERTICAL: N/A	6/18	CHECKED: SP
ZONE: TBD			APPROVED:

ADAMS & CLARK, Inc.
www.adamsclark.net
1710 W. Fourth Ave.
Spokane, WA 99201
(509) 747-4008 FAX: 747-0810

DETAILS

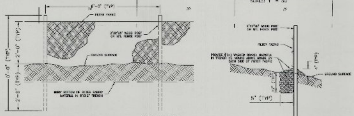
ROAD AND DRAINAGE
BEST MEADOWS - 1ST ADDITION

TYPE OF IMPROVEMENT: STREET	
PROJECT NUMBER	PLAN NUMBER
2017-01-003	



EROSION CONTROL PLAN

SCALE: 1" = 50'



SILT FENCE

SCALE: 1" = 30'

DEFINITION:
A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED. THE FILTER FENCE IS CONSTRUCTED OF STAKES AND SYNTHETIC FILTER FABRIC WITH A RIGID WIRE FENCE BACKING WHERE NECESSARY FOR SUPPORT.

PURPOSE:
1. TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT UNDER SHEET FLOW CONDITIONS FROM DISTURBED AREAS DURING CONSTRUCTION OPERATIONS IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE SITE.
2. TO DECREASE THE VELOCITY OF SHEET FLOWS.

THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS AR NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.

POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES (WHERE PHYSICALLY POSSIBLE)

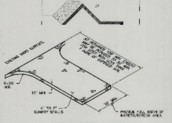
A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POST AND UP SLOPE FROM THE BARRIER. THE TRENCH SHALL BE CONSTRUCTED TO FOLLOW THE CONTOUR.

WHEN SLIT FILM FILTER FABRIC IS USED, WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP SLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

SLIT FILM FILTER FABRIC SHALL BE WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES. OTHER TYPES OF FABRIC MAY BE STAPLED TO THE FENCE.

WHEN EXTRA-STRENGTH OR MONOFILAMENT FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POST. EXTRA CARE SHOULD BE USED WHEN JOINING OR OVERLAPPING THESE STIFFER FABRICS. APPARENT OPENING SIZE OF FILTER FABRIC SHALL BE 70.

MAINTENANCE:
- INSPECT IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL. REPAIR AS NECESSARY.
- SEDIMENT MUST BE REMOVED WHEN IT REACHES APPROXIMATELY ONE THIRD THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.



ROCK CONSTRUCTION ENTRY

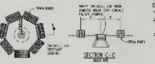
SCALE: N.T.S.

DEFINITION: A TEMPORARY STONE-STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

PURPOSE: TO REDUCE THE AMOUNT OF MUD, DIRT, ROCKS, ETC. TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF BY CONSTRUCTING A STABILIZED PAD OF ROCK SPALLS AT ENTRANCES TO CONSTRUCTION SITES AND WASHING OF TIRES DURING EGRESS.

CONDITIONS WHERE PRACTICE APPLIES: WHENEVER TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD OR OTHER PAVED AREAS.

MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



SECTION C-C

EROSION CONTROL NOTES

1. WRAP ALL STRUCTURE LIDS PER SECTION C-C (THIS SHEET)
2. WRAP DRYWELLS WITH STRAW BALES PER DETAIL (THIS SHEET) THIS SHOULD BE IN PLACE IMMEDIATELY AFTER CONSTRUCTION OF DRYWELL SWALES.
3. CONSTRUCTION TRAFFIC SHALL BE RESPONSIBLE FOR THE REMOVAL OF MUD AND DEBRIS PRIOR TO ACCESSING PUBLIC STREETS

DRYWELL & INLET PROTECTION DETAIL

SCALE: N.T.S.

EROSION AND SEDIMENTATION CONTROL NOTES

1. THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS:
   a. CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY ESC BMP'S;
   b. INSTALL TEMPORARY ESC BMPS, CONSTRUCTING SEDIMENT TRAPPING BMPS AS ONE OF THE FIRST STEPS PRIOR TO GRADING;
   c. CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS AND UTILITY LOCATIONS;
   d. STABILIZE ROADWAY APPROACHES AND TEMPORARY ACCESS POINTS WITH THE APPROPRIATE CONSTRUCTION ENTRY BMP;
   e. CLEAR, GRUB AND GRADE INDIVIDUAL LOTS OR GROUPS OF LOTS;
   f. TEMPORARILY STABILIZE, THROUGH RE-VEGETATION OR OTHER APPROPRIATE BMPS, LOTS OR GROUPS OF LOTS IN SITUATIONS WHERE SUBSTANTIAL CUT OR FILL SLOPES ARE A RESULT OF THE SITE GRADING;
   g. CONSTRUCT ROADS, BUILDINGS, PERMANENT STORMWATER FACILITIES (I.E. INLETS, PONDS, UIC FACILITIES, ETC.);
   h. PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE BMPS;
   i. INSTALL PERMANENT ESC CONTROLS, WHEN APPLICABLE; AND
   j. REMOVE TEMPORARY ESC CONTROLS WHEN:
2. PERMANENT ESC CONTROLS, WHEN APPLICABLE, HAVE BEEN COMPLETELY INSTALLED;
3. ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION OR SEDIMENTATION PROBLEMS HAVE CEASED; AND,
4. VEGETATION HAD BEEN ESTABLISHED IN THE AREAS NOTED AS REQUIRING VEGETATION ON THE ACCEPTED ESC PLAN ON FILE WITH THE LOCAL JURISDICTION.
5. INSPECT ALL ROADWAYS, AT THE END OF EACH DAY, ADJACENT TO THE CONSTRUCTION ACCESS ROUTE. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, CLEANING IS REQUIRED.
6. IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
7. IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.
8. RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITION.
9. RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICAL.
10. INSPECT SEDIMENT CONTROL BMPS WEEKLY AT A MINIMUM, DAILY DURING A STORM EVENT, AND AFTER ANY DISCHARGE FROM THE SITE (STORMWATER OR NON-STORMWATER). THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE SITE IS STABILIZED AND INACTIVE.
11. CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA.
12. STABILIZE EXPOSED UNWORKED SOILS (INCLUDING STOCKPILES), WHETHER AT FINAL GRADE OR NOT, WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (JULY 1 THROUGH SEPTEMBER 30) AND WITHIN 5 DAYS DURING THE REGIONAL WET SEASON (OCTOBER 1 THROUGH JUNE 30). SOILS MUST BE STABILIZED AT THE END OF A SHIFT BEFORE A HOLIDAY WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. THIS TIME LIMIT MAY ONLY BE ADJUSTED BY A LOCAL JURISDICTION WITH A "QUALIFIED LOCAL PROGRAM," IF IT CAN BE DEMONSTRATED THAT THE RECENT PRECIPITATION JUSTIFIES A DIFFERENT STANDARD AND MEETS THE REQUIREMENTS SET FORTH IN THE CONSTRUCTION STORMWATER GENERAL PERMIT.
13. PROTECT INLETS, DRYWELLS, CATCH BASINS AND OTHER STORMWATER MANAGEMENT FACILITIES FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE.
14. KEEP ROADS ADJACENT TO INLETS CLEAN.
15. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS.
16. CONSTRUCT STORMWATER CONTROL FACILITIES (DETENTION/RETENTION STORAGE POND OR SWALES) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.
17. STOCKPILE MATERIALS (SUCH AS TOPSOIL) ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS.
18. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.
19. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.
20. CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHIBITS THE LOSS OF CHEMICALS INTO STORMWATER RUNOFF FACILITIES. AMEND MANUFACTURER'S RECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY.
21. INSPECT ON A REGULAR BASIS (AT A MINIMUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING STORM EVENT) AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS TO ENSURE SUCCESSFUL PERFORMANCE OF THE BMPS. NOTE THAT INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACE BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE.
22. REMOVE TEMPORARY ESC BMPS WITHIN 30 DAYS AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. PERMANENTLY STABILIZE AREAS THAT ARE DISTURBED DURING THE REMOVAL PROCESS.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-2060
DATE ACCEPTED: 1-2-19
ACCEPTANCE EXPIRES: 1-2-21
PROJECT LANE MILES PUBLIC: .79
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 ENG NEED 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

01/02/19

CALL BEFORE YOU DIG: 811

BY	REVISIONS	DATE	PROJ.	FROM	AS BUILT	TO	ACCEPT

BENCH MARK DATUM	SCALE	DATE	STAFF
BM: NAVD88	HORIZONTAL 50'	6/8/18	DRAWN: BMS
ELEVATION: 2412.13'	VERTICAL 5'	6/8/18	CHECKED: GH
LOCATION: T.B.M. #1			APPROVED:

ADAMS & CLARK, Inc.
www.adamsandclark.com
1720 W. Fourth Ave.
Spokane, WA 99201
(509) 747-4600 F(509) 747-8913

TESC PLAN & DETAILS
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
WEST MEADOWS – 1ST ADDITION

TYPE OF IMPROVEMENT: TESC	
PROJECT NUMBER	PLAN NUMBER
2017-01-066	