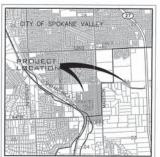
SE4, SEC.33, T.25N., R.44E., W.M. NET, SEC. 4, T.24N., R.44E., W.M.

IMPROVEMENT PLANS GUSTIN PIPE PLANS

LOCATED IN A PORTION OF SE1/4, SEC. 33, T.25N., R. 44E., W.M. SPOKANE COUNTY, WA

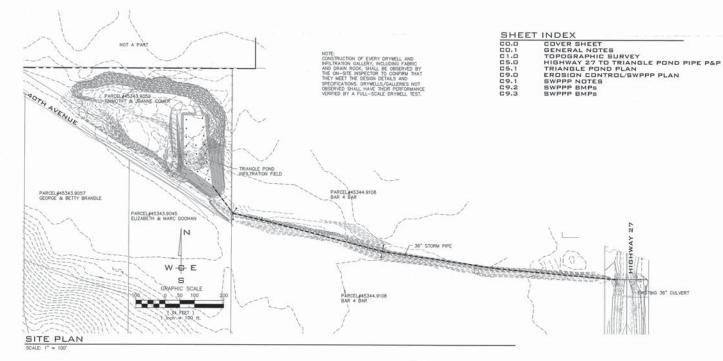




LOCATION MAP

LECENIE

EXISTING	DESCRIPTION	PROPOSED
	ROADWAY CENTER LINE RIGHT OF WAY LINE PROPERTY LINE EASEMENT LINE FENCE CURB PAVEMENT GRAVEL CONCRETE BUILDINGS & STRUCTURES	
	MONUMENT	
-1111111111	SANITARY SEWER MANHOLE CLEANOUT SEWER SERVICE	-\$\$\$\$\$\$\$\$\$\$\$\$\$-
	WATER	
g \ 2	WATER LINE VALVE FIRE HYDRANT SERVICE WATER METER BLOWOFF	
W-1-1-W-1-W-1-W-1-	AIR VACUUM RELIEF STATION DRAINAGE	
DW (B	DRAINAGE LINE MANHOLE DRYWELL CATCH BASIN DITCH	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-GGGGGGGG	GAS GAS LINE VALVE METER	_ 6 ov
77.	TELE-POWER	
-8181	BURIED TELEPHONE POWER OR TELEPHONE POLE	—er — — er—



ABBREVIATIONS

ACT, LEN ACTUAL LENGTH	GB GRADE BREAK	PRC POINT OF REVERSE CURV
BCR BEGINNING OF CURVE RADIUS	FT./FT. FEET PER FOOT	PTPOINT OF TANGENCY
BORY BOUNDARY	HYD HYDRANT	RIM ELRIM ELEVATION
CO	I.EINVERT ELEVATION	RDROAD
	LN,LANE	RTRIGHT
TOP COURSE	LTLEFT	SISTREET INTERSECTION
CTCOURT	MHMANHOLE	SSSANITARY SEWER
DIADIAMETER	MCR MIDDLE OF CURVE RADIUS	STASTATION
ECR END OF CURVE RADIUS	PC POINT OF CURVATURE	
EXISTEXISTING	PETPETROLEUM	TGTOP OF GRATE
GGRADE	PIPOINT OF INTERSECTION	TCTOP OF CURB

PERMIT SPECIALIST SEWER

SPOKANE COUNTY 1026 WEST BROADWAY AVENUE SPOKANE WASHINGTON 99260 PHONE: 477-7151 CONTACT: ANGELA RUTH

ROADWAYS ROADWAYS
SPOKANE COUNTY ENGINEERS
1028 WEST BROADWAY AVENUE
SPOKANE, WASHINGTON 99260
PHONE: 477-3800
CONTACT: BARRY GREENE, P.E.

CABLE

CA

SURVEYOR COMCAST BROADBAND
1717 EAST BUCKEYE
21 S. PINES RD,
SPOKANE, WASHINGTON, 99207
PHONE: 795-4717
CONTACT: BRYAN RICHARDSON
CONTACT: JON GORDON, P.L.S.

STORM WATER

INSP. COUNTY I.P.E.C. SPOKAHE REGIONAL HEALTH 101 WEST COLLEGE AVEAUS PHONE: 209–6262 PHONE: 209–6262 PHONE: 324–1578 CONTAGT: PAUL SAVAGE

ENGINEERING WHIPPLE CONSULTING ENGINEERS 21 S. PINES RD. SPOKANE VALLEY, WA 99206 PHONE: 893-2617 CONTACT: TODO WHIPPLE, P.E.

DATE:

DRAWN

REVIEWED: TRW

WATER

SPOKANE COUNTY WATER DIST 3

SPOKANE VALLEY FIRE DEPT.

1225 N. YARDLEY AVE.

SPOKANE WASHINGTON 99212

PHONE: 536–0121

CONTACT: TY WICK

CONTACT: TY WICK

WATER

DEVELOPER

GAS - POWER TELEPHONE AMSTA UTILITIES
1411 EAST MISSION AVENUE
SPOKANE, WA 99220
PHONE: 495-2991
CONTACT: MICHAEL TRUEX

FIRE

CENTURY LINK 904 NORTH COLUMBUS SPOKANE, WASHINGTON 99202 PHONE: 835-4604 CONTACT: MARK WELCH

PROPERTY OWNER 12908 EAST 39TH LANE SPOKANE VALLEY, WA 99208

DEVELOPER APPROVAL

DATE

PROPERTY OWNER

PLANS NOT APPROVED BY AGENCY

◆ NAVD - 88

9M S-5 OF THE SOUTH PONDEROSA SEWER PROJECT ITH AN ELEVATION OF 2006.87 (NAVD26) = 2009.67 AVD88) WAS USED FOR THE VERTICAL DATUM FOR THIS

				SCALE:
				HORIZONTAL:
A	08/03/16	RMA	ORIGINAL PREPARATION	VERTICAL:

	X CNL	1 -
13-1166	STRUCTURAL.	1 A 8
	SUPVEYING:	- / A B
08/30/20	THATFIC	4
RMA	PLANNING	-
	LANDSCAPS	1 '
TRW	OTHER	
		_



GUSTIN PIPE COVER SHEET 40TH AVENUE SPOKANE COUNTY, WA



C0.0 JOB NUMBER 13-1166

WCE GENERAL NOTES

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, MEMBARISHMENTS TAKEN IN THE FIGURE OF THE REPORT OF THE PROPERTY OF THE CONTRACTOR MUST CALL THE LOCATION AND THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS SEFORE ANY EXCANATION TO ROCUEST EXACT FILED LOCATIONS OF DISTRICT UTILITY LOCATION, LETTER AT LEAST 18 HOURS SEFORE ANY EXCANATION TO ROCUEST EXACT PLANS OF THE PROPERTY LOCATIONS AND ELEVATIONS, OF THE PROPERTY OF THE CONTRACTOR TO RECORD FROM SAIL OF THE PROPERTY OF THE CONTRACTOR TO RECORD FROM SAIL OF THE PROPERTY OF THE CONTRACTOR TO RECORD AND THE PROPERTY OF THE PROPERTY OF THE CONTRACTOR TO RECORD AND THE PROPERTY OF THE PROPERTY

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE <u>SPOKANE COUNTY</u> INSPECTOR AT LEAST 48 HOURS PROOF TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC MERPOYEMENTS.

4. THE CONTRACTOR SHALL CORRENANT AND CORPRIANT WITH SERVINE CONJUNC AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OF ADMINISTRATION OF STRING UTILITIES UNIVERS CONSTRUCTION, TO ASSURE THAT THE WORM, IS ACCOUNTSING AN ATTEMPT FOR WORM, IS ACCOUNTSING AND WITH A WARMAUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONDING FOR CONTRACTION ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.

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

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

IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTRACT THE EXHIBITER IMMEDIATES IN MEDIATED.

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

9. FOR WORK AFFECTIND PUBLIC ROADWAYS OR IF REQUIRED BY THE SPOKEME COUNTY, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH MULTICLD. FOR AFFROYAL, BFIGER TO ANY CONSTRUCTION ACTIVITIES WITH OR AFFECTION THE ROBIT—OF—MAY, THE CONTRACTION SHALL BE REPORTISED FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PROB TO INSTALLATION. A PRECONSTRUCTION CONTREVENCE SHALL BE HELD WITH THE SPECKAME COUNTY.

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

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 THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.

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 ENTIRED INSTRUBED AREAS ARE STABLIZED WITH HARD SURFACE OF LANDSCAPING.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SENER AND SANITARY SENER SHOULD BE CONSTRUCTED PROFIT OR INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTOR'S SOLEDULE FOR THIS PROFILECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONSIDERAPHATED. IN THESE PLANS.

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

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 PERSON APPROVED BY THE SPECKAME COUNTY.

18. BASED ON REQUIREMENTS FROM <u>SPOKANE COUNTY</u>, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS. TESTIGN AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DALY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DARWINGS TO SPOKANE COUNTY PROMPEER.

19. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT APPROVAL OF THE 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 EMPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE <u>SEDEASHE</u> COUNTY DEPARTMENT OF BUILDING AND PLANNING AT \$529-4277-4257, GRADING ON THIS STEE OR ANY OTHER SITE MUST COMMY WITH ALL DEVILOPMENT REQUIATIONS INCLUDING, BUT NOT LIMITED 10, GRADING PERMITS, SEPLA. REVIEW, TIMBER HANKEST PERMITS, CHITICAL MERSES, FLOOR LANS, ESCONATED DRAINAGE WAYS, ETC.

21. THE CONTRACTOR IS CAUTIONED THAT IT IS THE UNDIFFICATION OF THE OWNER AND THE EXPONEED THAT SHIELD A CONFLICT OF BOOGREPAINY IN THESE FLAUS, SEPCIFICATIONS, GOVERNAL FOR THE PROBLET THE REPORT THE OWNER, LANGSCAPE FLAUS, GLAUS CALL, FROMER, CHANGE AND THAT LANGE THAT LIBERT THE REPORT THAT IS AND THE ARCHITECTURAN FLAUS, MICHARICA, FLAUS, ELECTRICAL FLAUS, AND THAT SHE AND THAT THE ARCHITECTURAN FROM THE UNIFORM THE DIGNER, REQUIRED TO BUT THE HORSE STANDARD FROM THE BOOMER OF THE THAT THE HORSE STANDARD BEING REQUIRED BY THE OWNER, DANNEER OR OTHER PROFESSIONAL WITH NO CHANGE OF MALE TO THAT CANADE OR THAT CHANGE OFFICER THAT THE CONTRACT WAS CHANGE OFFICER.

22. CONSTRUCTION OF EVERY DRYWELL, INCLUDING FABRIC AND DRAINROCK, SHALL BE OBSERVED BY THE ON-SIT INSPECTOR TO CONFIRM THAT IT MEETS THE DESIGN DETAILS AND SPECIFICATIONS, DRYWELLS NOT OBSERVED SHALT THEIR PERFORMANCE VERRIES BY A PULL-SCALE ORYWELL TEST.

23. DURING CONSTRUCTION THE CONTRACTOR OF RESONABLE TO CONDINATE ANY AND ALL INCONSISTENCES EXTREME THESE PRAISE AND CONSTRUCTION TAKING, CONTRACTOR ASSIAND REPORSIBILITY TO CONSTRUCT TO THESE PLANS IN LIQU. OF FILED STANING, SHOULD INCONSISTENCES BE APPARENT THE CONTRACTOR SHALL CONTACT THE DIGNEER, OWNER, AND SURFEVOR TO RECEITLY THE DISCREPANCY PROF TO CONSTRUCTION OFFER BROIN APPLIES.

24. FAIR HOUSING ACT - SAFE HARBORS FOR COMPLIANCE

WHIPPLE CONSULTING ENGINEERS, INC. FOR THE PROJECT CONTAINED WITHIN THESE PLANS HAS USED THE FOLLOWING SAFE HARBOR FOR ADA ACCESSIBILITY FOR THOSE ISSUES CONSIDERED SITE DEVELOPMENT ISSUES.

ICC/ANSI A117.1 (2003), ALONG WITH THE FAIR HOUSING ACT, HUD'S FAIR HOUSING ACT REGULATIONS, AND GUIDELINES.

25. ALL FIRE LINES MUST BE INSTALLED BY AN APPROVED LEVEL 'U' CONTRACTOR OR A LEVEL 3 FIRE PROTECTION CONTRACTOR.

SE1, SEC.33, T.25N., R.44E., W.M. SW2, SEC.34, T.25N., R.44E., W.M. NEI, SEC. 4, T.24N., R.44E., W.M.

WCE GRADING NOTES

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

ALL DISTURBED AREAS THAT ARE SUBSURFACE OR ARE NOT DESIGNATED AS ADSCAPE AREAS ARE TO BE SEEDED, FERTILIZED, AND WATERED UNTIL A HEALTHY WHO OF CRASS IS OBTAINED.

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

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

5. IF STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS ARE STOCKPIED ON THE STE, TOPSOL MAY BE PLACED TO A HEIGHT OF FIVE FEET, SAIT FENCE SHALL BE PLACED AROUND THE BASE OF THE STOCKPILE AND THE STOCKPIL SHALL BE SEEDED WITH HAITIE SEED MIX MAMEDIATELY AFTER STRIPPHING OPERATIONS ARE

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

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

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

9. GRADES WITHIN ASPHALT PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF THE DESIGN GRADE. HOWEVER, THE CONTRACTOR SHALL MAINTAIN POSTINE DRAWAGE IN ALL PANEWSHY AREAS AND ALONG ALL CURBES ALL CURBES SHALL BE BUILT ACCORDANCE TO THE FAUL CURBES OR PAYELENT AREAS WHICH DO NOT PROVIDE PROPER GRANIAGE WIST BE REMOVED AND REPLACED AT THE CONTRACTOR'S CYEMISE.

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

12. WHER HEW CURB AND QUITTE IS BEING CONSTRUCTED ADJACENT TO EXISTING ABPHALT OR CONCRETE PANEWRITH. THE FOLDINGME SHALL APPLY PROOF OF INCOMERT FOR ANY CONCRETE THE CONTRACTOR SHALL MAKE A LICENSED BURNEYOR WERFY THE GRADE AND CROSS SLOPE OF THE CURB AND QUITTER FORMS. THE CONTRACTOR SHALL SHALL THE SLOPES AND GRADES TO THE DIRBUTER FOR APPROVAL PRIOR TO PLACEMENT SECTION WHICH DOES NOT CONFORM TO THE GESSION OF THYPICAL CROSS SECTION CONTRACTOR SHALL BE SOLILY RESPONSIBLE FOR CURB AND QUITTER POURS WHICH THE CONTRACTOR SHALL BE SOLILY RESPONSIBLE FOR CURB AND QUITTER POURS WHICH THE APPROVAL OF THE DISCRETE.

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

14. PRE CAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION

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

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

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

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

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

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

21. ALL SUBSURFACE AREA DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL CONTRACTOR SHALL APELY STABILIZATION FABRIC TO ALL SLOPES SHE'N OR STEEPER, CONTRACTOR SHALL PLACE SOO OR HYDROSED DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS AND MAINTAINED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.)

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

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

24. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILLITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VANOUS UTILLITY COMPANIES, MO MEMER POSSIBLE, MESSURPHANTS TAKEN IN THE ITELD, CONTRACTOR MUST CALL THE APPROPRIATE UTILLY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAMINION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH COMPLICT WITH THE PROPOSED MEMORYLAMENT SHOWN ON THE PROPOSED MEMORYLAMENT SHOWN ON THE PROPOSED SHOWN ON THE PROPOSED THE

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

26. ALL DRYWELLS TO BE INSTALLED TO HAVE (1') ONE OF VERTICAL ADJUSTMENT.

27. ENGINEERING SHALL BE ON SITE, AND SHALL COLLECT TRUCK TICKETS FOR DRYWELL ROCK, AND SOIL.

STORM DRAINAGE NOTES

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

SWALE/PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWNOS INCLUDING GRADING, SOO, AND DRYWELL INSTALLATION. ALL SWALES/PONDS WITH IN TRACTS SHALL INCLUDE AN IRREGATION SYSTEM, ALL IRRIGATION SYSTEM ALL CONFORM TO SPOKANE COUNTY SWALE/POND REGATION SYSTEM CUDELINE.

ALL SWALES/PONDS SHOWN SHALL BE ROUGH GRADED PRIOR TO PAYING OF ADJACENT ROADWAY.

4. CONTRACTOR SHALL PROVIDE SPOKANE COUNTY WITH AS-BUILT IRRIGATION PLANS UPON COMPLETION OF ALL SWALE/POND CONSTRUCTION

INSTALL "AMOCO" #4545 FILTER FABRIC (OR APPROVED EQUAL) BETWEEN THE NATIVE SOIL AND WASHED DRAWN ROCK, FOR ALL DRYWELLS. SE SPOKANE COUNTY SANDARDS SHEET B-10 FOR INSTALLATION LOCATIONS.

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

THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL DRAINAGE STRUCTURES FROM BEING CONTAMINATES WITH SLIT BY HISTALLING RILERS STRUCTURES FROM BEING CONTRAINANCE WITH SLIT BY HISTALLING RILERS STRUCTURES THE CONSTRUCTION WORK HAS ENGLINED IN THE EVENT THAT SLIT OR OTHER DELETERIOUS MATERIALS ALLOWED TO DITTER THE OFFWARL FOR CATCH BASIN DECONTRACTOR WILL BE REQUIRED TO CLEAN THE DEFWELL OR CATCH BASIN OUT TO THE SATISFACTION OF the CENTIFICATION OF THE CONTRACTOR STRUCTURES.

B. ALL LANDSCAPE AREAS (NELLOWN: SMILES/PROMS) ARE TO BE RECORDED BY AN AUTOMATIC RESIDENCY OF SYSTEM SHALL BE INSTALLED BY ON INCEPT THE RECORD OF THE LANDSCAPE CONTRACTOR. THE REPORTION SYSTEM SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES (90 DAY GUARANTES). AND APPROVED BAORFOW DEVICE SHALL BE INSTALLED TO PREVENT METER FOR CORIO BOOK INTO THE WATER SUPPLY.

THE FLOOR OF ALL GRASSED PERCOLATION MREAS (GPA) (SWALES, PONDS) NOLDIDES THE LEVEL PORTION OF THE FLOOR OF THE SWALES. AND THE STORY OF THE SWALES, AND THE SWALES, SWALES, SWALES, SWALES, WITHOUT TO SWALES, SWALES, CONFORM TO THE REQUIREMENT. THIS WRITTEN STATEMENT SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT TO THE SPONGAR COUNTY DONNERS OFTED FROM TO FINAL MES SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT TO THE SPONGAR COUNTY DONNERS OFTED FROM TO FINAL MINISTER SWALES ON THE SWALES OF THE S

THE TOP 12" OF SOIL FOR ALL SWALE/POND BOTTOMS SHALL CONSIST OF THOROUGHLY BLENDED MIX OF 50% COMPOST WITH 50% NATIVE SOILS, OR AS APPROVED BY SITE GEOTECHNICAL ENGINEER.

12. PER THE S.R.S.M. ALL SWALES/PONDS SHALL HAVE 12" OF TREATMENT SOL WITH AN INFERRATION RATE OF 0.5 MONES/HOUR AND AMERICA OF 15 MONES/HOUR AND AMERICA OF AT LEST 25 OF ORGANIC MATER BY WHOLE AT SETTING COMMON OF THE SPOKENE RECORDAL STORMWATER MANUAL OR AS APPROVED BY STE GEOTOMORAL BIODREWS.

13. WARNING: THE USE OF SILTY LOAM IS PROHIBITED AS SWALE/PONOS BOTTOM MATERIAL.

14. ALL DRYWELLS TO HAVE I' ONE VERTICAL FOOT OF ADJUSTMENT

THE ENGINEER SHALL BE ON SITE, AND SHALL COLLECT TRUCK TICKETS FOR THE DRYWELL ROCK AND SOIL.

SLEVING: PROVIDE SLEVING AS REQUIRED UNDER SIDEWALKS, PATHS, CURBING, PAVING, ETC. AS NEEDED FOR IRRIGATION ACCESS. ALL SLEVING TO BE 4* PIVE WITH AT LEAST 12" OF COVER (1) FOOT BELOW FIRSH GRADE. THE OWNER/GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEVING BEFORE CURBING, SIDEWANS, PANING, ETC. SI INSTALLED. PATCH ASPIRALT AS

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 UNFORM COVERAGE AND TO MINIMIZE OVER SPRAY ON WALLS, FENCES, WALKS, DRIVES, ETC.

SPOKANE COUNTY STREET NOTES

UNDERGROUND SERVICE ALERT

ONE-CALL NUMBER

811

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.

EDITION", AND AS AMENDED.

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.

LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND
UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO
CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.

THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROCRESS.

 IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, TOOD R WHIPPLE, PL. 0 803-2017, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, IPEC, PAUL T. NELSON, P.E., @ 509-290-5179 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 WASHED DRAINFOCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL 8-10.

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 DRYMELLS FROM BEING CONTAINANTED WITH SIXT BY INSTALLING FILTER FABRIC WINDER THE LUE FOR AT LEAST 6 WEEKS, OR UNITL. THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED.

IN THE EVENT THAT SLT OR OTHER DELETERIOUS MATERIAL IS ALLOWED T ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUI TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF CERTIFING ENGINEER.

10. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERFY THAT THE CROSS— GUTTER FORMS ARE THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS—GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVMO, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE

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

12. FOR ANY CURB GRADES LESS THAN 0.8 % (0.008 FT./FT.), A WASHINGTO STATE LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRANCHING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

PLANS NOT APPROVED BY AGENCY

GUSTIN PIPE GENERAL NOTES 40TH AVENUE SPOKANE COUNTY, WA

SHEET CO.1 JOB NUMBER

13-1166

Spokane County Permit

W. W.

◆ NAVD - 88

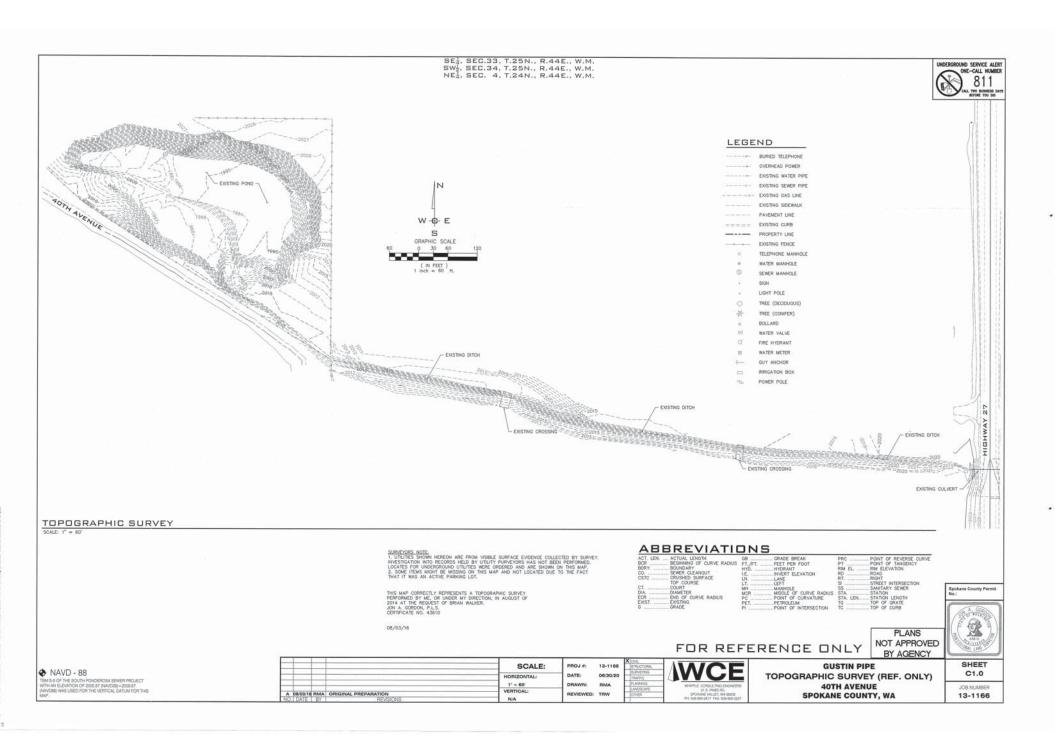
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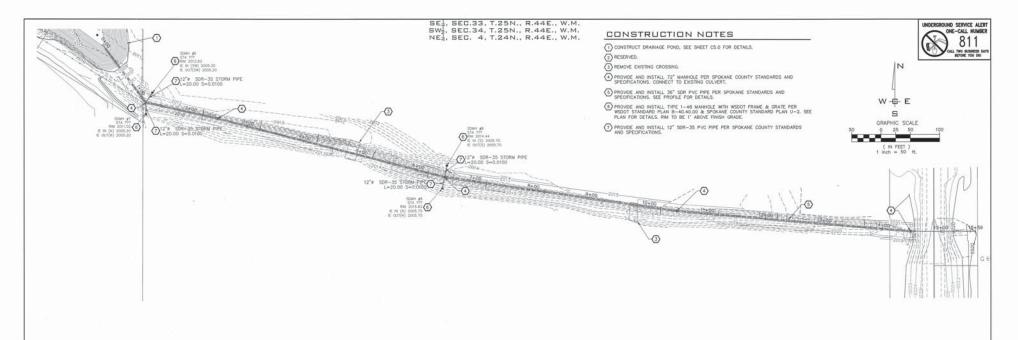


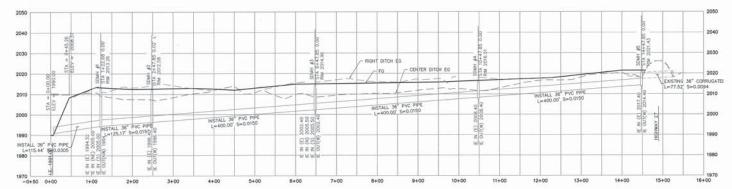
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FOR FULL LEGEND SEE SHEET CO.O

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			SCALE:	PROJ#:	13-11
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13-1166

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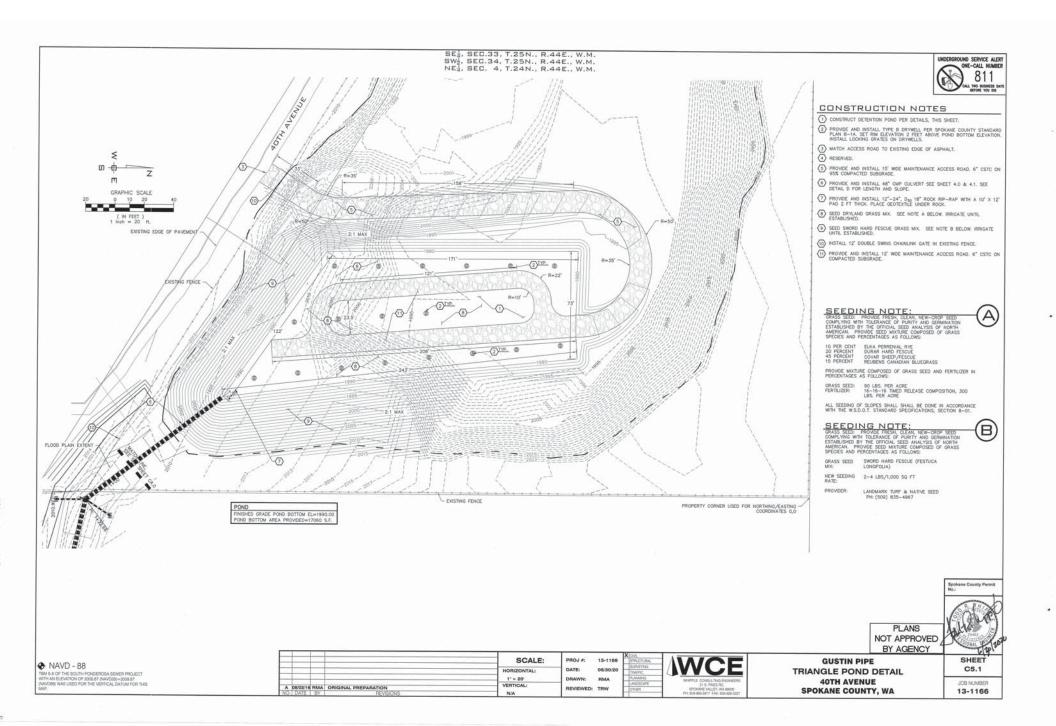
GUSTIN PIPE HWY 27 TO TRIANGLE POND PIPE P&P 40TH AVENUE SPOKANE COUNTY, WA

PLANS NOT APPROVED

BY AGENCY



SHEET C5.0 JOB NUMBER 13-1166



GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCELD SITE WORK STANDARDS AND THE STRAIGHORS AND SPECIFICATIONS SET FORTH IN SPOKANE COUNTY REQULATIONS AND PREVENTIBLE STATE AND THE SPC

2. THE CONTRACTOR IS SECONDALLY CAUTIONED THAT THE LOCATION AND OR ESPATION OF COMMISSION OF SHARP CONTRACTOR OF THE CONTRACTOR USED CAUTION OF THE CONTRACTOR OF THE CONTRACTOR USED CAUTION OF THE CONTRACTOR OF

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OUTDINED ALL RECESSARY PERHITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL HORTY SPOAKED, COUNTY INSPECTION 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 SPOKAME COUNTY AND ALL UTILITY COMPANIES WITH RECARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, A SIZINE THAT THE WORK IS ACCOMPLISHED IN A THUELY FASHOR, AND WITH A MINIMUM DISTRIPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTES AFFECTED BY AND TOSINGTHON OF ANY UTILITY SERVICE.

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

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

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 IDENTIFED 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 AFFECTIND PUBLIC ROADWAYS OR IF REQUIRED BY SPOKANE COUNTY, THE CONTRACTOR SHALL SUBMIT A ITHAFFE CONTROL AND PHASING PLAN IN ACCORDANCE WITH ROAD PROPERTY AND PROPERTY OF THE PROPERTY OF THE

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWNINGS 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.

14. ALL EROSON AND SEMBENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE IMMITS OF CONSTRUCTION PRIOR TO ROUND INSTRUBBNA ACTIVITY. ALL ESC, MEASURES SHALL BE MANTAINED IN GOOD REPAIR BY THE CONTRACTOR UNITS, SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STATULTED WITH THE SUFFICE OF LAMOSCAPPIOL.

15. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UILLIES IN SUCH A MANNER AS TO MINIMAZE POTENTIAL UITLUT CONFUCTS. IN GENERAL, STOMM SEMEN AND SANFARY SEMEN SHOULD RESPONSIBLELY OF THE CONTRACTOR TO COORDINATE ALL UITLUT RECORDING CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHITHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTRACTORS SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTRACTORS SHOWN, AS IT

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 COUPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY SPICKARE COUNTY.

18. BASED ON REQUIREMENTS FROM SPOKAME COUNTY, THE DIABREE OR HIS DESIGNEE SHALL PREFORM METRIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT CORPS OF DALLY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWNOS TO SPOKAME COUNTY ENGINEER.

20. ON-SITE GRADNO SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND E.S.C. PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM AN ERPROVED OF BUILDING AND SHAME SOURCE AND ANY OFFICE AND AN EXPORT OF BUILDING AND EXPONENT EXCLUSIONS OF SHAME STATE OF ANY OTHER STATES MIST COMPLY WITH ALL DEVELOPMENT REQULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, S.E.P.A. BEVER, WITHER HAWYST PERMITS, CEPT.A. BEVER, THE PRESENCE OF THE STATE OF THE ST

INDEER ROWSES FEMALE, URLIES, DESIGNATION FLORES, DESIGNATED URRINAME WAS ELC.

21. THE CONTRACTOR IS CAUTHODE THAT IT IS THE URDERSTANDING OF THE OWNER, AND THE DYGMER THAT SHOULD A COMPLET OF DOSERPANCY IN THESE PLANS, SPECIFICATIONS, CORRAL UNITED TO THE ACHTECUTURE, PLANS, MCCHANGE, FLANS, ELCENTROL, PLANS, ELCHOROCAE, PLANS, ELCH

22. CONSTRUCTION OF EVERY DRYMELL, INCLUDING FABRIC AND DRAINFOCK, SHALL BE OBSERVED BY THE ON-SITE INSPECTOR TO CONFIRM THAT IT MEETS THE DESIGN DETAILS AND SPECIFICATIONS, ORWINELD NOT OBSERVED SHALL HAVE THEIR PERFORMANCE VERIFIED BY A PILL-SCALE DRYMELL TEST.

SE- SEC.33, T.25N., R.44E., W.M. SW1, SEC.34, T.25N., R.44E., W.M. NEL, SEC. 4, T.24N., R.44E., W.M.

SWPPP/EROSION CONTROL PLAN

GUSTIN PIPE

40TH AVENUE

SPOKANE COUNTY, WASHINGTON

SE 1/4 OF SEC. 33, T. 25 N., R. 44 E., W.M.





LOCATION MAP

LEGEND

STORM DRAINAGE POND - NO CONCRETE TRUCK

BMP C233: SILT FENCE, SHEET C9.2.

BMP C105: STABILIZED CONSTRUCTION ENTRY, SHEET C9.2

BMP C220: STORM DRAIN INLET PROTECTION, SHEET C9.3.

BMP C151: CONCRETE HANDLING — MAY ONLY TAKE PLACE ON UNCOMPACTED SUBGRADE AFTER ASPHALT REMOVAL, AND IN A NON-LANDSCAPED AREA. OTHERWISE ANY CONCRETE WASHOUT MUST BE OFF SITE. SHEET C93.

******** LIMITS OF DISTURBANCE

ANTERNATION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PRO

SITE PLAN

PERMIT SPECIALIST SEWER SPOKANE COUNTY UTILITIES 1026 WEST BROADWAY AVENUE 1026 WEST BROADWAY AVENUE 1026 WEST BROADWAY AVENUE SPOKANE, WASHINGTON 99260 PHONE: 477–7180 CONTACT: ANGELA RUTH CONTACT: CHRIS KNUDSON

ROADWAYS

CABLE ROADBAND

A 08/03/16 RM

INSP. COUNTY

SURVEYOR

STORM WATER SPOKANE COUNTY PUBLIC WORK 1026 WEST BROADWAY AVENUE SPOKANE, WASHINGTON 99260 PHONE: 477-7444 PHONE: 477-7444 CONTACT: BARRY GREENE

ARREST STREET, STREET,

HEALTH SPOKANE COUNTY ENGINEERS

I.P.E.C.

SPOKANE REGIONAL HEALT

1010 WEST BROOWAY AVENUE

SPOKANE, WASHINGTON 99260

SPOKANE, WASHINGTON 99260

VERADALE, WASHINGTON 9937

PHONE: 744—3600

CONTACT: PAUL T. NELSON, P.E.

CONTACT: PAUL SAVAGE 1101 WEST COLLEGE AVE#402 SPOKANE, WASHINGTON 99260

ENGINEERING CAGLE

SURVEYOR

WHPLE CONSULTING ENGINEERS MD
1717 EAST BUCKEYE
59 CONALE WASHORD, 99205
PHONE: 983–2817
PHON

WATER SPOKANE COUNTY WATER DIST 3 1225 N. YARDLEY AVE. SPOKANE WASHINGTON 98212 PHONE: 536-0121 CONTACT: TY WICK

GAS - POWER PHONE: 495-2967 CONTACT: JOHN LUSE

DEVELOPER

FIRE

SPOKANE VALLEY FIRE DEPT. 2120 NORTH WLBUR RD SPOKANE VALLEY, WA 99206 PHONE: 928-1700 CONTACT: MIKE MAKELA

TELEPHONE CENTURY LINK 904 NORTH COLUMBUS SPOKANE, WASHINGTON 99202 PHONE: 835-4604 CONTACT: MARK WELCH

OWNER
TIMMOTHY & JOANNE COMER
12908 EAST 39TH LANE
SPOKANE VALLEY, WA 99206

INDEX TO PLAN SHEETS

COVER SHEET

SWPPP NOTES SWPPP BMP'S

SWPPP BMP'S

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C9.1

SWPPP/FROSION CONTROL

IN S



PLANS NOT APPROVED BY AGENCY

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GUSTIN PIPE SWPPP COVER **40TH AVENUE** SPOKANE COUNTY, WA SHEET C9.0

JOB NUMBER 13-1166

◆ NAVD - 88

S-5 OF THE SOUTH PONDEROSA SEWER PROJECT VITH AN ELEVATION OF 2005 87 (NAVD29) = 2009 67 NAVD88) WAS USED FOR THE VERTICAL DATUM FOR THIS

UNDERGROUND SERVICE ALERT 811

EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

- AN EROSON/SEDMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. MPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE E.S.C. FACULTIES ARE T. RESPONSIBILITY OF THE DEVELOPER UNITE. ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNIT, VECETATION IS ESTABLUSHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, MINIOREMENT IS LATER.
- 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/SEDMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTIOPATED STIE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MANTAIN THESE E.S.C. MEASURES DAILY, AND SHALL MAINTAIN AND LIPGANCE THESE MEASURES AS NECESSARY TO PREMENT SEDMENT—LADEN WATER FROM ETHER FLOWING OFF STE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SOLD AS DRIVELDS, QUILETTS, OR GRANE, GALLIERS.
- 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.
- THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- 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
- PROPERTY OWNER: TIMOTHY P & JOANNE M COMER, BAR 4 BAR (GUSTIN) PERMIT APPLICANT: WHIPPLE CONSULTING ENGINEERS, INC. 509-893-2812 CONTACT PERSON ON SITE: TIMOTHY PROPERTY.
- PROJECT LOCATION: NORTH OF 40TH AVENUE, IN SPOKANE COUNTY, WASHINGTON, IN SECTION 33, TOWNSHIP 25 N., RANGE 44 E. W.M.
- 10. PROJECT DESCRIPTION: IMPROVEMENT OF 5 ACRES +/- OF AN EXISTING POND & DRAINAGE DITCH.
- 12. EXISTING VEGETATION: VACANT LAND WITH GRASS AND WEED COVER.
- 13. PLAN PREPARATION DATE: AUGUST 2016
- 14. SOILS: ALLUVIAL LEAN CLAY, SILT, OR SILTY SAND.
- 15. STABUIZATION OF DEPUIDED AREAS: ANY DISTURBED AREAS, HENCH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT RITUDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STABTING NATIVE DRITLAND GRASS SQUCH AS ANNULA RYE, OR APPROVED EQUAL, AT A RATE OF 60 D6/ACRE.
- CONTROL OF POLLUTANTS: ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GLIDELINES.
- LIMITS OF CRADING.
 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 CROSON CONTROL PLANS.

MAINTENANCE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
- SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
- 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.
- 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.
- ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
- 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 SEDMENT SHALL BE REMOVED OR STABLIZED ON SITE DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMINATE ON PAND STREETS ADALECENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY, CLEANING SHALL BE ON AN "AS NEDED!" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
- ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

E.S.C. STANDARD PLAN NOTES FROM APPENDIX 9A OF THE

SPOKANE REGIONAL STORMWATER MANUAL

- 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 INSTALL OF TEMPORARY E.S.C. BMP'S;
- INSTALL TEMPORARY E.S.C. BMPs, CONSTRUCTING SEDIMENT TRAPPING BMP'S AS ONE OF THE FIRST STEPS PRIOR TO GRADING:
- CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS AND UTILITY LOCATIONS:
- 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)
- CONSTRUCT ROADS, BUILDINGS, PERMANENT STORMWATER FACILITIES. (I.E. INLETS, PONDS, U.I.C.FACILITIES, ETC.);
- PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE
- (I) INSTALL PERMANENT E.S.C. CONTROLS, WHEN APPLICABLE; AND,
- REMOVE TEMPORARY E.S.C. CONTROLS WHEN;
- PERMANENT E.S.C. CONTROLS. WHEN APPLICABLE, HAVE BEEN COMPLETELY INSTALLED:
- ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION AND SEDIMENTATION PROBLEMS HAVE CEASED; AND,
- 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.
- IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROL BY POLIMPINE BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIB
- RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITION.
- INSPECT SEDIMENT CONTROL BMP'S WEDKLY 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.
- CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA.
- STABILIZE EXPOSED UNWORNED SOLS (NOLUDING STOCKPILES), WHETHER AT FINAL GRADE OR NOT WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (AUL'! 1 TO SEPTEMBER 30) AND WITHIN 5 DAYS DURING THE REGIONAL DRY SEASON (COCTOBER 1 THEN JUNE 30). SOLS MUST BE STABILIZED AT THE DRO OF A SHIFT BEFORE A POLICIANY WEEKEND IF NEEDED BASED ON THE MEATHER TORGEAST. THE

N/A

- PROTECT INLETS, DRYMELLS, 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 FOR STORM EVENTS.
- 16. CONSTRUCT STORMMATER CONTROL FACILITIES (DETENTION/RETENTION STORAGE PORD OR SWALES) BEFORE CRADING BEGINS. THESE FACILITIES SHALL BE OPERABLE BEFORE THE CONSTRUCTION OF IMPROVISEMENT.
- 17. STOCKPILE MATERIALS (SUCH AS TOPSOL) ON SITE, KEEPING OFF OF ROADWAY AND SOCIALAS.
- 18. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AN NON-INSERT WASTES PRESENT ON STIE THOM VANDALISM (SEE CHAPTER 173-304 WA.C. FO THE DEPINITION OF INSERT WASTE), USE SECONDARY CONTAINMENT FOR CN-STIE FUELING TANKS.
- COULT MANTITUMOZ AND REPORT OF FEATURE TO THE OFF-STET THE AND TARKS.

 CONDUCT MANTITUMOZ AND REPORT OF REAVY COUNTMENT AND VISITES INDUCATION.

 CONNECTS, INCREMINES STATEM REPORTS, SEASON AND SECRETARING OFFEATIONS, TILL, TAKE

 DATA COME AND REMOVAL AND ORDER ACTIVITIES THAT MAY RESULT IN DISCHARGE OF

 PULLIZATED TO THE GROUND ORS BITO STORMANTER PRADOT USING SPALL

 MANDRAILTY FOLIAMEN AND VISITEMENT OF SPALL ROOMS IN PROPERTY OF THE OFFE THE OFFE
- CONDUCT APPLICATION OF AGRICULTURAL CHEMCALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHERTS THE LOSS OF CHEMICALS INTO STORMHATER INLINETY FACILITIES. AMEDI MAINTEACTURES'S ECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY.
- 21. NISPECT ON A REQULAR BASIS (AT A MINIMAN MEDELY, AND DAILY DURIND/AFTER A RUNOFF PRODUCING EVENT) AND MAINTAIN ALL BROSION AND SEDMENT CONTROL BMP'S TO DISPURE SUCCESSFUL PREPRICTURATE OF THE BMP'S NOTE THAT BLET PROTECTIONS OF DEVICES SHALL BE CLEANED OR REMOVED AND REPLACE BEFORE SX NICHES OF SEDMENT CAN ACCUMULATE.
- 22. REMOVE TEMPORARY E.SC. BMP'S WITHIN 30 DAYS AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. PERMANDITLY STABILIZE AREA THAT ARE DISTURBED DURING REMOVAL

SRCAA GENERAL NOTES

- DUST EMISSIONS DURING DEMOLITION, CONSTRUCTION, AND EXCAVATION PROJECTS MUST BE CONTROLLED. THIS MAY REQUIRE THE USE OF WATER SPRAYS, TARPS, SPRINKLERS, OR SUSPENSION OF ACTIVITY DURING CERTAIN WEATHER CONDITIONS.
- MEASURES MUST BE TAKEN TO AVOID THE DEPOSITION OF DIRT AND MUD FROM UNPAYED SURFACES ONTO PAVED SURFACES. IF TRACKING OR SPILLS DOCUR ON PAVED SURFACES, MEASURES MUST BE TAKEN IMMEDIATELY TO CLEAN THESE
- 3 DEBBIG CENERATED AS A RESULT OF THIS PROJECT, MUST BE DISPOSED OF BY
- 4. SPOKANE CLEAN AIR (SRCAA) STRONGLY RECOMMENDS THAT ALL TRAVELED SURFACES (I.E., INGRESS, EGRESS, PARKING AREAS, ACCESS ROADS, ECT.) BE PAYED AND KEPT CLEAN TO MINIMIZE DUST EMISSIONS.
- IF OBJECTIONABLE COORS RESULT FROM THIS PROJECT, EFFECTIVE CONTROL APPARATUS AND MEASURES MUST BE TAKEN TO REDUCE COORS TO A MINIMUM.
- SPECIAL ATTENTION SHOULD BE GIVEN TO PROPER MAINTENANCE OF DIESEL POWERED CONSTRUCTION EQUIPMENT TO REDUCE THE IMPACT OF DIESEL EXHAUST, A SUSPECTED CARCINOGEN.
- A NOTICE OF CONSTRUCTION AND APPLICATION FOR APPROVAL IS REQUIRED TO BE SUBMITTED AND APPROVED BY SRCAR PRIOR TO THE CONSTRUCTION, INSTALLATION OR ESTABLISHMENT OF AN AIR PULLITION SOURCE. THIS INCLUDES EMPROPE'S TO AN AIR PULLIFICATION OF THE PROPERTY OF T GENERATORS RAIED AT 500 HP(375 KW) OR HIGHER, NATURAL GAS HEATING EQUIPMENT UNITS RAIED AT FOUR MMBTU/HOUR OR HIGHER (NPUT), AND HEATING COUPMENT UNITS FIRED WITH OTHER FUELS (E.G., DESEL) RAIED AT ONE MMBTU/HOUR (INPUT) OR HIGHER. CONTACT SPOKANE CLEAN AIR (SRCAA) FOR A NOTICE OF CONSTRUCTION APPLICATION.
- B NOTICE OF INSERT MUST BE SUBMITTED TO SRCAA PRIOR TO ANY DEMOLITION PROJECT OR ASSESTOS PROJECT, AN ASSESTOS SURVEY MUST BE DONE BY AN HERA-ACKDEIDE BRUILDING SUPECTOR PRIOR OF THE DEMOLITION OR REMOVANDO OF BRUILDINGS TO DETERMINE IF ASSESTOS—CONTAINING MATERIAL, IS PRESENT AT THE SITE. CONTACT SPOKANE CLEAN ARE (SRCAA) FOR A NOTICE OF INTERT

PLANS NOT APPROVED

GUSTIN PIPE

40TH AVENUE

BY AGENCY SWPPP NOTES

SHEET C9.1

JOB NUMBER 13-1166

10 Tacks

Spokane County Permit

SCALE: DATE: 08/30/20 N/A VERTICAL SPOKANE COUNTY, WA REVIEWED: TRW A 08/03/16 RMA ORIGINAL PREPARATION

◆ NAVD - 88

CONDITIONS OF USE:

TAKEN FROM CHAPTER 7 OF THE EASTERN WASHINGTON STORMWATER MANAGEMENT MANUAL 2004 EDITION

USE OF SILT FENCE REDUCES THE TRANSPORT OF COARSE SEDMENT FROM AN CONSTRUCTION SITE BY PROVIDING A TEMPORARY PHYSICAL, BARRER TO SEDMENT AND REDUCING PER RUNOFF VECOCITIES OF OVERALAND FLOW. SEE FOURE 7.3.20 OF THE EASTERN WASHINGTON STORMWATER MANUAL OR DETAIL BELOW FOR CETAILS ON SILT FENCE CONSTRUCTIONS. PURPOSE

SET THESE AS HE WAS COMMISSIONS OF ALL DISTURBED JASES, \$14 FFMC, IS SET THESE AS THE COMMISSION OF A SET THE ASSET OF A SET TH

SILT FENCES SHOULD NOT BE CONSTRUCTED IN STREAMS OR USED IN V-SHAPED DITCHES. THEY ARE NOT AN ADEQUATE METHOD OF SILT CONTROL FOR ANYTHING DEEPER THAT SHEET OR OVERSAND SLOW.

DEBIGN AND INSTALLATION: DRANAGE AREA OF 1 ACRE OR LESS OR IN COMBINATION WITH SEDIMENT BASIN IN A LARGER SITE.

MAXIMUM SLOPE STEEPHESS (NORMAL OR PERPENDICULAR TO FENCE LINE) 1:1. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE OF 100 FEET. NO FLOWS GREATER THAN 0.5 OFS.

THE GEOTEXTILE USED SHALL MEET THE FOLLOWING STANDARDS. ALL GEOTEXTILE PROPERTIES LISTED BELOW ARE MINIMUM AVERAGE ROLL VALUES.

POLYMETRIC MESH AGS (ASTM D4751)

WOVENS (#30 SIEVE). 0.30MM MAX. FOR ALL OTHER GEOTEXTILE TYPES OTHER GEOTEXTILE TYPES
(\$50 SEVE).
0.15MM MAX, FOR ALL
FABRIC TYPES (\$100 SIEVE).
0.02/SEC MM.
180 LBS. MIN. FOR EXTRA
STRENGTH FABRIC.
100 LBS. MIN. FOR EXTRA
STRENGTH FABRIC.
30% MAX,
70% MIN.

FILTER FABRIC MATERIAL IN CONTINUOUS ROLLS. USE STAPLES OR WRE RINGS TO ATTACH FABRIC TO WRE

BURY BOTTOM OF FILTER MATERIAL-IN 8" BY 12" TRENCH

ELEVATION

- WAE MESH SUPPORT FENC

0.60MM MAX, FOR SLIT

WATER PERMITTIVITY (ASTM D4491) GRAB TENSILE STRENGTH (ASTM D4632)

STANDARD STRENGTH FABRICS SHALL BE SUPPORTED WITH WIRE MESH, CHICKEN WIRE, 2-INCH X 2-INCH, SAFETY FENCE, OR JUST MESH TO INCREASE THE STRENGTH OF FABRIC, SIX TENCE MATERIALS ARE AVAILABLE THAT MAYE SYNTHETIC MESH BACKING ATTACHED.

100 PERCENT BIODEGRADABLE SILT FENCE IS AVAILABLE THAT IS STRONG, LONG LASTING, AND CAN BE LEFT IN PLACE AFTER THE PROJECT IS COMPLETED, IF PERMITTED BY LOCAL REQUILATIONS.

THE MINIMUM HEIGHT OF THE TOP OF SILT FENCE SHALL BE 2 FEET AND THE MAXIMUM SHALL BE 2.5 FEET ABOVE THE ORIGINAL GROUND SURFACE.

THE COSTURINE SHALL BE SEN TOCKHER AT THE POWL OF MANUFACTURE, OR AT AN AMPROVED LOCATION AS RESTRINGED BY THE DIMERSE, TO FOW COSTURE LINGUISE AS REQUIRED, ALL SERM SEARS SHALL BE LOCATED AT A SUPPORT POST, ALTERNATIVELY, TWO SCITCHIS OF SET, FEDIC CAN BE COMPAPED, PROVIDED THE COSTURATE OF ONLY AND THAT THE ADACENT FINES SECTIONS AS IT AND THE ADACENT FINES SECTIONS AND THAT THE ADACENT FINES SECTIONS AND CASE OF DISCONTINUOUS TO PROVENT SET. LUCEUM MARKET ROM SECANOMIC THOOGRAPHS.

THE CONTENTS SMALL BE ATTACHED ON THE UP-SCHOOL SEC OF THE POSTS AND SUPPORT SYSTEM WITH STAFFLES, WIRE, OR IN ACCORDANCE WITH THE MANUFACTURE'S THE RECOMMENDATION, THE CONTENTS AND ACCORDANCE WITH THE MANUFACTURE'S THE RECOMMENDATION, THE CONTENTS AND ACCORDANCE WITH THE MANUFACTURE'S THE RECOMMENDATION, THE CONTENTS AND ACCORDANCE WITH THE MANUFACTURE STAFFLES OF THE ACCORDANCE STAFFLES AND ACCORDANCE OF THE CONTENTS OF THE CONTENTS ESSECTED OR SILE IF WITH CONTENTS OF THE CONTENTS ESSECTED OR SILE IF WITH CONTENTS OF THE CONTENTS ESSECTED OR SILE IF WITH CONTENTS OF THE CONTENTS AND ACCORDANCE OF THE WITH SILE OF THE CONTENTS O

THE ECCITATION AT THE BOTTOM OF THE FONCE HALL BE BURED IN A TRENCH TO A MINIMAL DEPTH OF A BELOW THE GROUND SURFACE. THE PROXICE SHALL BE BLANCELED AND THE BOOK AND THE BOOK

THE FENCE POSTS SHALL BE PLACED OR DRIVEN A MIN. OF 18". A MIN. DEPTH OF 12" IS ALLOWED IF TOPSOIL OR OTHER SOFT SUBGRADE SOIL IS NOT PRESENT AND A MIN. DEPTH OF ALLOWED IF TOPPOLIS, LET OTHER SOFT SURGRADE SOL IS NOT PRESENT AND A MIN. DEPTH OF 18° CANNOT BE REACHED, FERLE POST DEPTHS SHALL BE INCREASED 6' IF THE FENCE IS LOCATED ON SLOPES FF \$1. OR STEEPER AND THE SLOPE IS PERPENDICULAR TO THE FENCE. IF REQUIRED POST DEPTHS CANNOT BE OSTANDED. THE SLOPE IS PERPENDICULAR TO THE FENCE. SECURED BY BRADING OR GUYING TO PREVENT OVERTURNING OF THE FENCE DUE TO STRUMENT LOADING.

MOOD, STIEL OR COUNTAIN FROSTS SHALL BE USED, MOOD POINTS SHALL HAVE MINIOUS MONOPOWER OF TOWAYS MAN, LODGER, AND SHALL BE REE OF STIENTS SENI AS DONES, SPUTS, OR GOODES, STIEL POSTS SHALL CONSIST OF EITHER STEE NO. 6 REBAR OR LARGER, AND ALL STIEL PORT WHICH AND LOMERER OR! I HAVEN, OR, T. L. OR SHAME STEEL POSTS MAN AND COUNTAINT SHALL STAN ALL STAN

FENCE BACK-UP SUPPORT, IF USED, SHALL CONSIST OF STEEL WIRE WITH A MAX. MESH SPACING OF 2°, OR A PREFABRICATED POLYMERIC MESH. THE STRENGTH OF WIRE ON POLYMERIC MESH SHALL BE EQUIVALENT TO OR GEATER THAT 180 LBS, GRAB TENSLE STRENGTH. THE POLYMERIC MESH MUST BE AS RESISTANT TO ULTRAVIOLET, RADIATION AS THE GOSTERLET IT SUPPORTS.

SILT FENCE INSTALLATION USING THE SLICING METHOD SPECIFICATION DETAILS FOLLOW.

THE BASE OF BOTH END POSTS MUST BE AT LEAST 2-4"ABOVE THE TOP OF THE SILT FENCE PABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY, USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MAKE BASE POINTS BEFORE INSTALLATION.

INSTALL POSTS 3-4' APART IN CRITICAL RETENTION AREAS, AND 6-7' APART IN STANDARD APPLICATIONS.

INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SDE OF THE SUT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC. ENABLING POSTS TO SUPPORT THE FABRIC FROM THE UPSTREAM WATER PRESSURE.

INSTALL POSTS WITH NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.

ATTACH THE FABRIC TO EACH POST WITH THREE TES, ALL SPACED WITH THE TOP 8" OF THE FABRIC, ATTACH EACH TIE CHAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST I INCH VERTICALLY APART, IN ADDITION, EACH TE SHOULD BE POSTICIONED TO HANG ON A POST IMPIEL MENT THORHENING TO PREVENT SAGONG.

WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 Tes.

NO MORE THEN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.

THE ROPE LOCK SYSTEM MUST BE USED IN ALL DITCH CHECK APPLICATIONS.

COMPACTION IS MITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATE NEXT TO THE SAIL FENCE WITH THE FRONT WHEEL OF A TRACTOR, SKID STEER, OR ROLLER EXERTING 60 PSJ, COMPACT THE UPSTREAM SIDE FIRST AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TIMPS

ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.

IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT POND.

IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF THE FLOWS PARALLEL TO THE FENCE, IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEGMENT.

SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE—THIRD THE HEIGHT OF THE SLT FENCE, OR A SECOND SILT FENCE INSTALLED.

PROJ#:

DRAWN:

REVIEWED: TRW

DATE:

13-1166

RMA

IF THE FILTER FABRIC OR GEOTEXTILE HAS DETERIORATED DUE TO ULTRAVIOLENT BREAKDOWN, IT SHALL BE REPLACED.

BMP C105: STABILIZED CONSTRUCTION ENTRANCE

INFORMATION TAKEN FROM CHAPTER 7 OF THE EASTERN WASHINGTON STORMWATER MANAGEMENT MANUAL 2004 EDITION

CONSTRUCTION ENTRANCES ARE STABILIZED TO REDUCE THE AMOUNT OF SEDMENT TRANSPORTED ONTO PAVED ROADS BY VEHICLES OR EQUIPMENT BY CONSTRUCTION & STABILIZED PAD OF QUARRY SPALLS AT ENTRANCES TO CONSTRUCTION SITES.

CONDITIONS OF USE:

ON LARGE COMMERCIAL, HIGHWAY, AND ROAD PROJECTS, THE DESIGNER AND OR CONTRACTOR SHOULD INCLUDE DISCOME MATERIALS IN THE CONTRACT TO ALLION AND AN EXPERT IT IS DEPOSITED TO THE CONTRACT TO ALLION SHOULD AND AN EXPERT IT IS DEPOSIT. IT DETERMINE EXACTLY WHITE ACCESS TO THESE PROJECTS WILL TAKE PLACE, ACCINIONAL MATERIALS WILL ENABLE THE CONTRACTOR TO WISTALL THAN WEITER INSEED.

DEBIGN AND INSTALLATION: SEE FIGURE 7.3.2 OF THE EASTERN WATER STORMWATER MANAGEMENT MANUAL OR DETAIL BELOW.

THE SURFACE MATERIAL SHALL BE 4"-B" QUARRY SPALLS. SMALLER CRUSHED ROCK SUCH AS BASE COURSE MAY BE APPROPRIATE IN SOME STRUATIONS BUT, SINCE IT IS MORE LIKELY TO BE TRACKED OFF-SITE, MUST BE APPROVED BY THE LOCAL JURISDICTION.

A SEPARATION GEOTEXTILE SHALL BE PLACED UNDER THE SPALLS TO PREVENT FINE SEDMENT FROM PUMPING UP INTO THE ROCK PAD. THE GEOTEXTILE SHALL MEET THE FOLLOWING STANDARDS:

 GRAB TENSILE STRENGTH (ASTM D4751)
 200 PS: MIN.

 GRAB TENSILE ELONGATION (ASTM D452)
 300 MAX.

 MULLES BURST STRENGTH (ASTM D3786-80A)
 400 PS: MIN.

 AGS (ASTM D4751)
 800 PS: MIN.

UNDERGROUND SERVICE ALERT

ONE-CALL NUMBER

811

IF SITE CONDITIONS DO NOT WARRANT THE USE OF GEOTEXTILE, IT IS NOT REQUIRED.

MAINTENANCE STANDARDS: IF QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS,

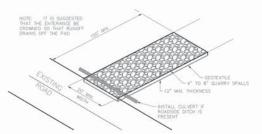
IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY NOLLIDE STREET SMEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH.

ANY SIDMENT THAT IS TRACKED ONTO PAYMENT SHALL BE REMOVED BY PAYMENT SHALL BE REMOVED BY REMOVED BY SHALL BY REMOVED BY SHALL BY

ANY QUARRY SPALLS THAT ARE LOOSENED FROM THE PAD, WHICH END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.

IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTERANCE(S), FENCING (SEE BMPS C103 AND C104) SHALL BE INSTALLED TO CONTROL PRAFFIC.

UPON PROJECT COMPLETION AND SITE STABILIZATION, ALL CONSTRUCTION ACCESSES INTENDED AS PERMANENT ACCESS FOR MAINTENANCE SHALL BE PERMANENTLY STABILIZED.



ROCK CONSTRUCTION ENTRY

PLANS NOT APPROVED

BY AGENCY

GUSTIN PIPE SWPPP BMPs 40TH AVENUE SPOKANE COUNTY, WA

◆ NAVD - 88

WRE MESH SUPPORT FENCE FOR SILT PLM FABRICS

FILTER FABRIC MATERIAL

PROVIDE WASHED GRAVEL BACKFILL OR COMPACTED NATIVE SOIL

2 * 2 WOOD POSTS, STANDARS OR BETTER, OR EQUAL SECTION

SILT FENCE DETAIL



08/30/20



SHEET C9.2 JOB NUMBER 13-1166

Spokane County Permit

SE1, SEC.33, T.25N., R.44E., W.M. BMP C140: DUST CONTROL SW., SEC.34, T.25N., R.44E., W.M. NE SEC. 4, T.24N., R.44E., W.M. BMP C220: STORM DRAIN INLET PROTECTION
INFORMATION TAKEN FROM CHAPTER 7 OF THE EASTERN WASHINGTON STORMMATER MANAGEMENT MANUAL, 200 PURPOSE: DESIGN AND INSTALLATION CONTINUED: CATCH LASKI LETTES - ARRESTS SHALLD SE DESPUED BY THE MANUFACTURES FOR U.S. AT CONSTRUCT STEEL THE LATEST SEMBLEST STONE OF A POST AND A STANLE OF A MANUFACTURES FOR U.S. AT CONSTRUCT REQUERED, MICH MAY BE DANN FOR HEAVY STRAIGHT CODES, THE ARROWST OF RESTORMED AND A STANLE SHALLD STRAIGHT CODES TO A STANLE S TO PREVENT COARSE SEDMENT FROM ENTERING DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA WHERE STORM DRAW RELTS ARE TO BE MADE COTRATIONAL BEFORE FEBRUARYST STRANGE/STORM OF THE DISTRIBUTE DRAWLES ARE. AND RECEIVED BY ALL STORM DRAW RELTS DOWNES, DRAW ROOKED FOR ALL STORM DRAW RELTS DOWNES, DRAW ROOKED THAT EVERS TO BE ADDITIONAL DRAW RELTS DRAW RELTS DOWNES, DRAW RELTS DOWNES, DRAW RELTS DRAW CONDITIONS OF USE: 5 CUBIC FEET OF STORAGE CONDITIONS OF USE: DEWATERING PROVISIONS HIGH-FLOW BYPASS THAT WILL NOT CLOG UNDER NORMAL USE AT A CONSTRUCTION SITE. DESIGN AND INSTALLATION TABLE 7.35 (N) THE LATERS RASHROOMS STORMAKTER MANAGEDEN MANAGED MUST SERVER, POPIDIS FOR MEET ROPOTOTON AL ME OF ME ACROSS TO SER MEET PROTECTION ALS FROM TO PLUDDING AND REQUIRE A RIGHT PROTECTION MEET PROVIDED AND REQUIRE A RIGHT TO THE CONTROL OF MEATHER AND ADMINISTRATION OF MEET AND A THE CATCH BASIN FILTER IS INSERTED IN THE CATCH BASIN JUST BELOW THE GRATING. CUBB INLET PROTECTION WITH WOODED WER - BARRIER FORMED AROUND CURB INLET WITH A WOODEN FRAME AND GRAVEL. WIRE MESH WITH 1/2" OPENINGS. DESIGN AND INSTALLATION: EXCAVATED DROP INLET PROTECTION — AN EXCAVATED IMPOUNDMENT AROUND THE STORM DRAIN. SEGMENT SETTLES OUT OF THE STORMWATER PRIOR TO ENTERING THE STORM DRAIN. EXTRA STRENGTH FILTER FABRIC TO THE FRAME. PILE COARSE WASHED AGGREGATE AGAINST THE WIRE/FABRIC. DEPTH 1-2 FT AS MEASURED FROM THE CREST OF THE INLET STRUCTURE. SIDE SLOPES OF EXCAVATION NO STEEPER THAT 2:1 MINIMUM VOLUME OF EXCAVATION 35 CUBIC YARDS BLOCK AND GRAYEL CURB INLET PROTECTION - BARRIER FORMED AROUND AN INLET WITH CONCRETE BLOCKS AND GRAYEL SEE FIGURE 7.3.16 OF THE EASTERN WASHINGTON STORMWATER MANAGEMENT MANUAL SHAPE THE BASIN TO FIT THE SITE WITH THE LONGEST DIMENSION ORIENTED TOWARD. THE LONGEST INFLOW AREA. WIRE MESH WITH 1/2" OPENINGS. PLACE 2 CONCRETE BLOCKS ON THEIR SIDES ABUTTING THE CURB AT EITHER SIDE OF THE INLET OPENING. THESE ARE SPACER BLOCKS. INSTALL PROVISIONS FOR DRAINING TO PREVENT STANDING WATER PROBLEMS. CLEAR THE AREA OF ALL DEBRIS. PLACE A 2X4 STUD THROUGH THE OUT HOLES OF EACH SPACER BLOCK TO ALIGN THE FRONT BLOCKS. PLACE BLOCKS ON THEIR SIDES ACROSS THE FRONT OF THE INLET AND ABUTTING THE SPACER BLOCKS. DRILL WEEP HOLES INTO THE SIDES OF THE INLET. PROTECT WEEP HOLES WITH SCREEN WIRE AND WASHED AGGREGATE. PLACE WIRE MESH OVER THE OUTSIDE VERTICAL FACE. SEAL WEEP HOLES WHEN REMOVING STRUCTURE AND STABILIZING AREA. PLE COARSE AGGREGATE AGAINST THE WIRE TO THE TOP OF THE BARRIER. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE TO THE DOWN SLOPE STRUCTURE TO PREVENT BYPASS FLOW. CURB_AND_GUTTER_SEGMENT_BAGRIER - SANDBAG OR ROCK BERM (RIPRAP AND AGGREGATE) 3 FEET HIGH AND 3 FEET WIDE IN A HORSESHOE SHAPE. SEE FIGURE 7.3.17 OF THE EASTERN WASHINGTON BLOCK AND GRAYEL FILTER - A BARRIER FORMED AROUND THE STORM DRAIN INLET WITH STANDARD CONCRETE BLOCKS AND GRAYEL SEE FIGURE 4.15 IN THE EASTERN WASHINGTON STORMWATER MANAGEMENT MANUALS. CONSTRUCT HORSESHOE SHAPED BERM, FACED WITH COARSE AGGREGATE IF USING RIPRAP, 3 FEET HIGH AND 3 FEET WOE, AT LEAST 2 FEET FROM THE INLET. HEIGHT 1-2 FT ABOVE THE INLET. CONSTRUCT A HORSESHOE SHAPED SEDIMENTATION TRAP ON THE OUTSIDE OF THE BERM SIZED TO SEDIMENT TRAP STANDARDS FOR PROTECTING A CULVERT INLET. RECESS THE FIRST ROW 2" INTO THE GROUND FOR STABILITY. MAINTENANCE STANDARDS: CATCH BASIN FILTERS SHOULD BE INSPECTED FREQUENTLY, ESPECIALLY AFTER STORM EVENTS. IF THE INSERT BECOMES CLOSED, IT SHOULD BE CLEANED OR REPLACED. SUPPORT SUBSEQUENT COURSES BY PLACING A 2X4 THROUGH THE BLOCK OPENING. FOR SYSTEMS USING STONE FILTERS: IF THE STONE FILTER BECOMES CLOQUED WITH SEDMENT, THE STONES MUST BE FULLD MANY FROM THE BLET HAD CLEANED OR REPLACED. SINCE CLEANING OF GRAVEL AT A CONSTRUCTION STEE MAY BE DUFFACT, AN ALTERNATIVE APPROACH WOULD BE USED TO USE THE CLOGGED STONE AS FILL AND PUT FRESH STONE AROUND THE BLET. DO NOT USE MORTAR LAY SOME BLOCKS IN THE BOTTOM ROW ON THEIR SIDE FOR DEWATERING THE POOL. DO NOT WASH SEDIMENT INTO STORM DRAINS WHILE CLEANING, SPREAD ALL EXCAVATED MATERIAL EVENLY OVER THE SURROUNDING LAND AREA OF STOCKPILE AND STABILIZE AS APPROPRIATE. PLACE HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS OVER ALL BLOCK OPENINGS. PLACE GRAVEL JUST BELOW THE TOP OF BLOCKS ON SLOPES 2:1 OR FLATTER. AN ALTERNATIVE DESIGN IN A GRAVEL DONUT. BMP C151: CONCRETE HANDLING INLET SLOPE OF 3:1. OUTLET SLOPE OF 2:1. CONCRETE WORK CAN GOMERATE PROCESS WATER AND SUURRY THAT CONTAIN FINE PARTICLES AND HIGH PH, BOTH OF WHORL CAN NOLATE WATER CUALITY STANDARDS IN THE RECEIVING WATER THIS BUY IS INTENDED TO NORMIZE AND ELIMINATE CONCRETE PROCESS WATER AND SUURRY FROM ENTERING WATERS OF THE STATE. 1-FOOT WIDE LEVEL STONE AREA BETWEEN THE STRUCTURE AND THE INLET, INLET SLOPES STONES 3" IN DIAMETER OR LARGER. OUTLET SLOPE USE GRAVEL $1/2^{\circ}$ TO $3/4^{\circ}$ AT A MINIMUM THICKNESS OF 1 FOOT. CONDITIONS OF USE: GRAVEL AND WIFE MESH INLET - A GRAVEL BARRIER PLACED OVER TOP OF THE INLET. THIS STRUCTURE DOES NOT PROVIDE AND OVERFLOW USE VACUUM STREET SWEEPERS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS. REMOVED MUD AND OTHER DIRT PROMPTLY SO IT DOES NOT DRY AND THEN TURN INTO DUST. COARSE AGGREGATE HEIGHT 1-FOOT OR MORE, 18" WIDER THAN INLET ON ALL SIDES. LIMIT DUST-CAUSEING WORK ON WINDY DAYS. REPAY AREA AS NECESSARY TO KEEP DUST TO A MINIMUM. WATER APPUED TO CONSTRUCTION SITES FOR DUST CONTROL MUST NOT LEAVE THE SITE AS SURFACE RUNOFF. PLACE WIRE MESS OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1-FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE, MAINTENANCE STANDARDS: DEBIGN AND INSTALLATION: CONCRETE TRUCK CHUTES, PUMPS, AND INTERHALS SHALL BE WASHED OUT ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASSPHALT. IF MORE THAN ONE STRIP OF MESH IN NECESSARY, OVERLAP THE STRIPS. UNUSED CONCRETE REMAINING IN THE TRUCK AND PUMP SHALL BE RETURNED TO THE ORIGINATING BATCH PLANT FOR RECYCLING. PLACE COARSE AGGREGATE OVER THE WIRE MESH. HAND TOOLS INCLUDING, BUT NOT LIMITED TO, SCREEDS, SHOVELS, RAKES, FLOATS, AND TROWELS SHALL BE WASHED OFF ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONDETE OR ASPHALT. THE DEPTH OF THE GRAVEL SHOULD BE AT LEAST 12" OVER THE ENTIRE INLET OPENING AND EXTEND AT LEAST 18" ON ALL SIDES. . GRAVEL SHALL BE 2"-3" CLEAN STONE RUNOFF WATER 18" MIN. MIN GRAVEL* (12" MIN. DEPTH) SEDIMENTA WHEN NO FORMED AREAS ARE AVAILABLE, WASHWATER AND LEFTOVER PRODUCT SHALL BE CONTAINED IN A LINED CONTAINER. CONTAINED CONCRETE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS. FILTER FABRIC OVER WIRE MESH MAINTENANCE STANDARDS: CONTAINERS SHALL BE CHECKED FOR HOLES IN THE LINER DALY DURING CONCRETE POURS AND REPAIRED THE SAME DAY.

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER 811

STORMWATER MANAGEMENT MANUAL 2004 EDITION

DUST CONTROL PREVENTS WIND TRANSPORT OF DUST FROM DISTURBED SOIL
SHAPPACES ONTO RODINARYS, ROMAINCE MYES, AND SHAPPACE MATERS, WIND EXCESSION
MANIPORT AND PROPERTY OF THE LOCAL AND OUR AND PROPERTY OF THE LOCAL AND OUR PROPERTY OF THE PROPERTY OF THE LOCAL AND OUR PROPERTY OF THE PROPERTY OF

WATER APPLIED TO CONSTRUCTION SITES FOR DUST CONTROL MUST NOT LEAVE THE SITE AS SURFACE RUNGEF.

SEE ALSO "TECHNIQUES FOR DUST PREVENTION AND SUPPRESSION," ECOLOGY PUBLICATION NUMBER 96-433, REVISED APRIL 2002.

TECHNIQUES THAT CAN BE USED FOR CONSTRUCTION PROJECTS INCLUDE: VEGETATE OR MULCH AREAS THAT WILL NOT RECEIVE VEHICLE TRAFFIC. IN AREAS WHERE PLANTING, MULCHING, OR PAVING IS IMPRACTICAL, APPLY GRAVEL OR LANDSCAPING ROOK.

LIMIT DUST GENERATION BY CLEARING ONLY THOSE AREAS WHERE IMMEDIATE ACTIVITY WILL TAKE PLACE, LEAVING THE REMAINDER AREA(S) IN THE ORIGINAL CONDINON, IF STABLE MAINTAIN THE ORIGINAL GROUND COVER AS LONG AS PRACTICAL.

CONSTRUCT NATURAL OR ARTIFICIAL MINDBREAKS OR WINDSCREENS. THESE MAY BE DESIGNED AS ENCLOSURES FOR SMALL DUST SOURCES.

SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS WET, REPEAT AS NEEDED. TO PREVENT CARRYOUT OF MUD ONTO STREET, REFER TO STABILIZED CONSTRUCTION

SPRAY EXPOSED SOIL AREAS WITH A DUST PALLIATIVE, FOLLOWING THE MANUFACTURER'S INSTRUCTIONS AND CAUTIONS REGARDING ANDLING AND APPLICATION, USED OIL IS PROHEBITED FROM USE AS A DUST SYMPRESIANT, LOCAL COVERNMENTS MAY APPROVE OTHER DUST PALLIATRIES SUICH AS CALCIUM CHLORIDE

PAM (BMPCHE) JOCO TO NATER AT A RATE OF D.S.BS PER 1,000 GALLONS OF WATER PER ACE, NO APPLIED FROM A NATER PERIOL IS AND EXTENTINE THAT THE ACE AND APPLIED FROM A NATER PERIOL IS AND EXTENTION THAT THE ACE AND APPLIED FROM A NATE OF APPLIED FROM A DOWN OF A PARTICLES ARE BORDED TOCKTION AND ARE NOT AS LORSY TRANSPORTED BY MIND, ADDING PAM MAY ACKLALLY ROCKE OF CAMPAINT OF WATER DEED FROM A DOWN OF A DOW

TECHNIQUES THAT CAN BE USED FOR UNPAVED ROADS AND LOTS INCLUDE:

LOWER SPEED LIMITS. HIGH VEHICLE SPEEDS INCREASES THE AMOUNT OF DUST STIRRED UP FROM UNPAVED ROADS AND LOTS.

UPGRADE ROAD SURFACE STRENGTH BY IMPROVING PARTICLE SIZE, SHAPE, AND MINERAL TYPES THAT MAKE UP THE SURFACE AND BASE MATERIALS.

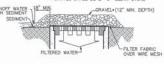
ADD SURFACE GRAVEL TO REDUCE THE SOURCE OF DUST EMISSION, LIMIT THE AMOUNT OF FINE PARTICLES (THOSE SMALLER THAN .075 MILLIMETERS) 10 TO 20 PERIODI.

USE GEOTEXTILE FABRIC TO INCREASE THE STRENGTH OF NEW ROADS OR ROADS UNDERGOING RECONSTRUCTION.

ENCOURAGE THE USE OF ALTERNATE, PAVED ROUTES, IF AVAILABLE RESTRICT USE BY TRACKED VEHICLES AND HEAVY TRUCKS TO PREVENT DAMAGE TO ROAD SURFACE AND BASE.

APPLY CHEMICAL DUST SUPPRESSANTS USING THE ADMIX METHOD, BLENDING THE PRODUCT WITH THE TOP FEW INCHES OF MATERIAL SUPPRESSANTS MAY ALSO BE APPLIED AS SUFFACE TREATMENTS.

PAVE UNPAVED PERMANENT ROADS AND OTHER TRAFFICKED AREAS.



THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

CONCRETE TRUCK WASHOUT STANDARDS

DATE:

DRAWN

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER

PLANS NOT APPROVED

BY AGENCY

SHEET C9.3

Spokane County Permit

13-1166

TBM 5-5 OF THE SOUTH PONDEROSA SEWER PROJECT MTH AN ELEVATION OF 2006 87 (NAVD29) = 2009 67 NAVD889 WAS USED FOR THE VERTICAL DATUM FOR THIS LEP

SCALE VERTICAL: A 08/03/16 RMA ORIGINAL PREPARATION

06/30/20 REVIEWED: TRW



GUSTIN PIPE SWPPP BMPs 40TH AVENUE SPOKANE COUNTY, WA

JOB NUMBER

◆ NAVD - 88