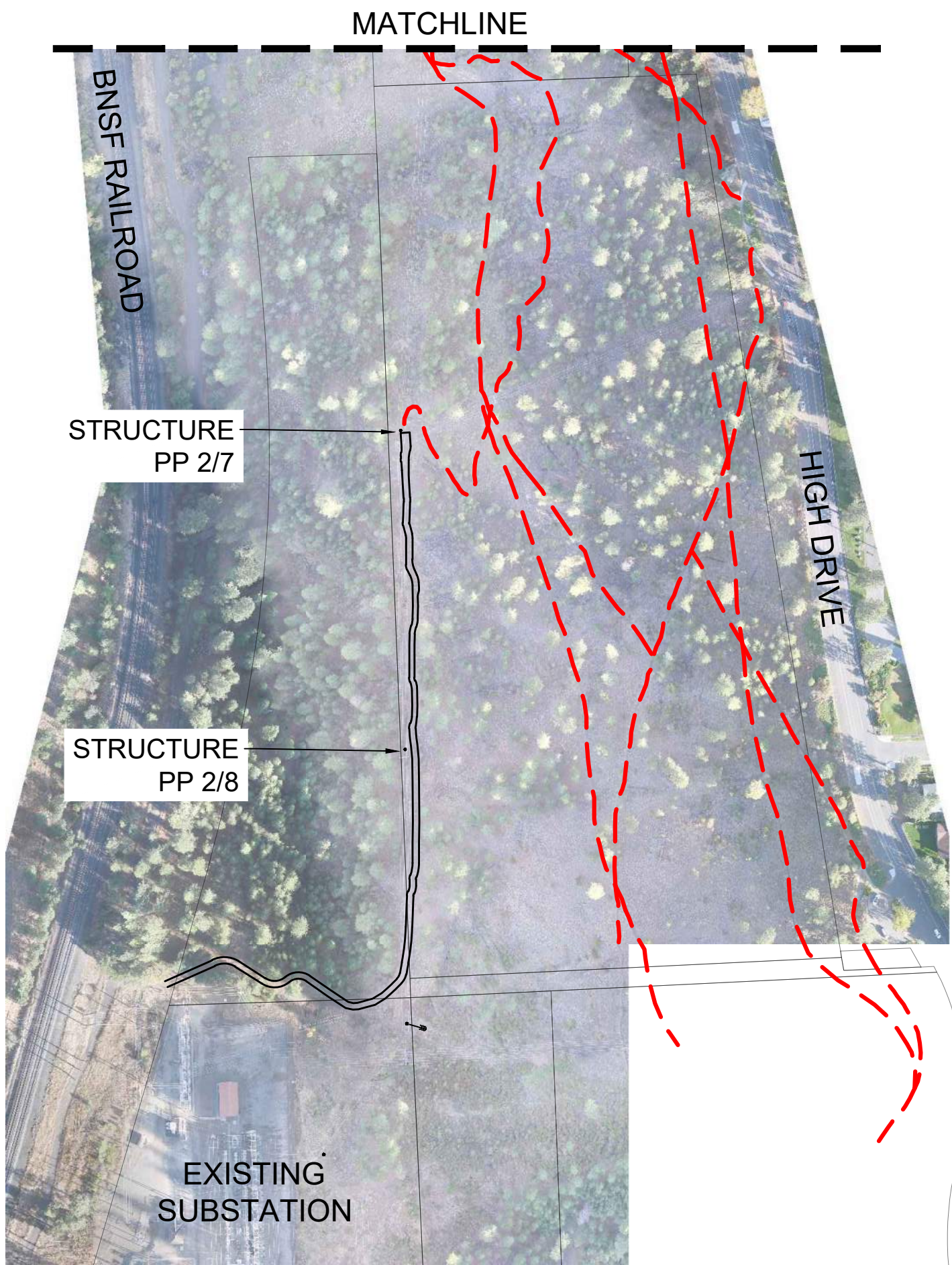
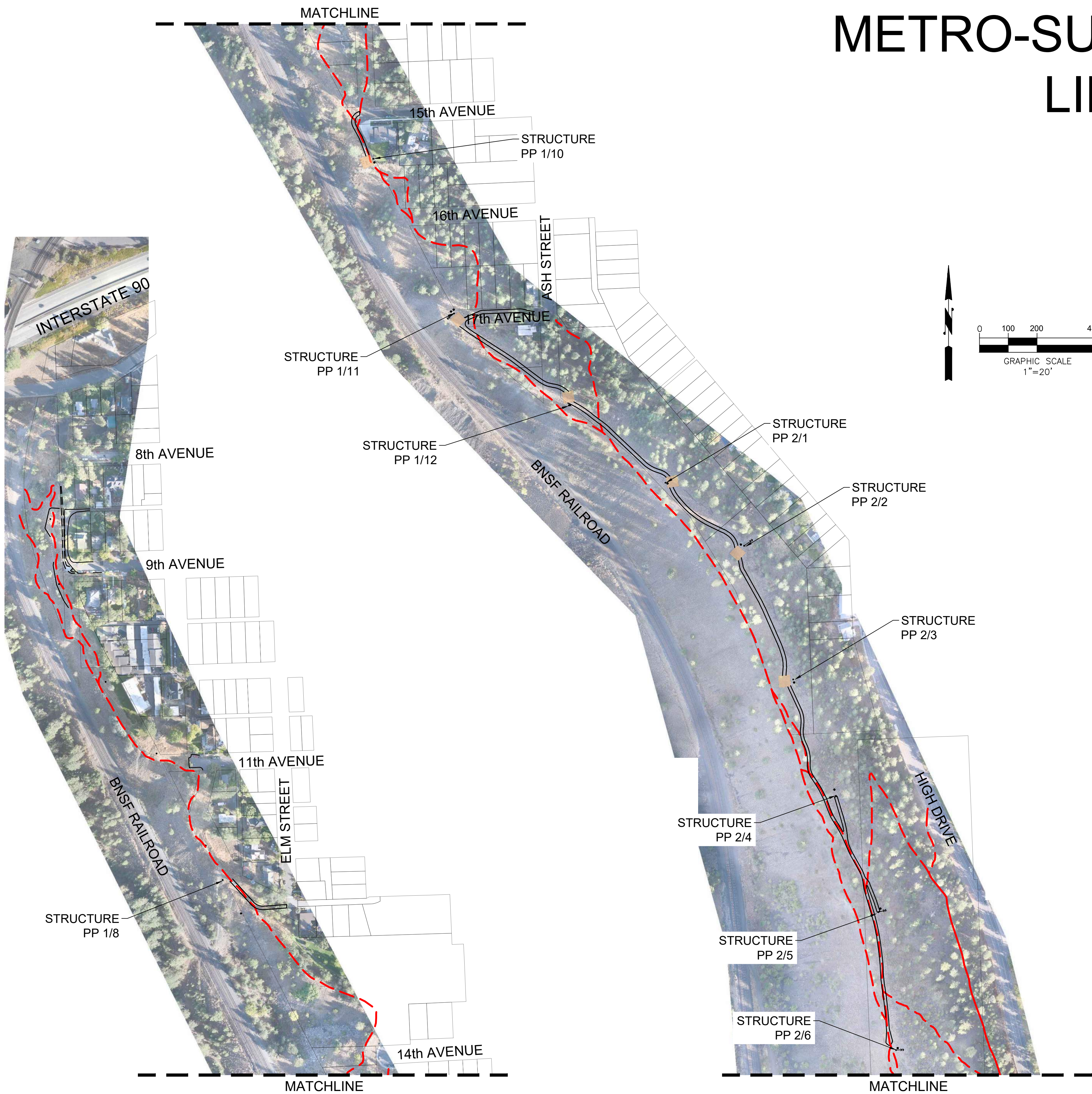


AVISTA UTILITIES METRO-SUNSET TRANSMISSION LINE UPGRADE



SHEET INDEX	
1	COVER SHEET
2	NOTES AND DETAILS
3 - 14	GRADING AND EROSION CONTROL PLANS
15 - 26	SITE RESTORATION PLANS

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No.	Initial	Date	Description

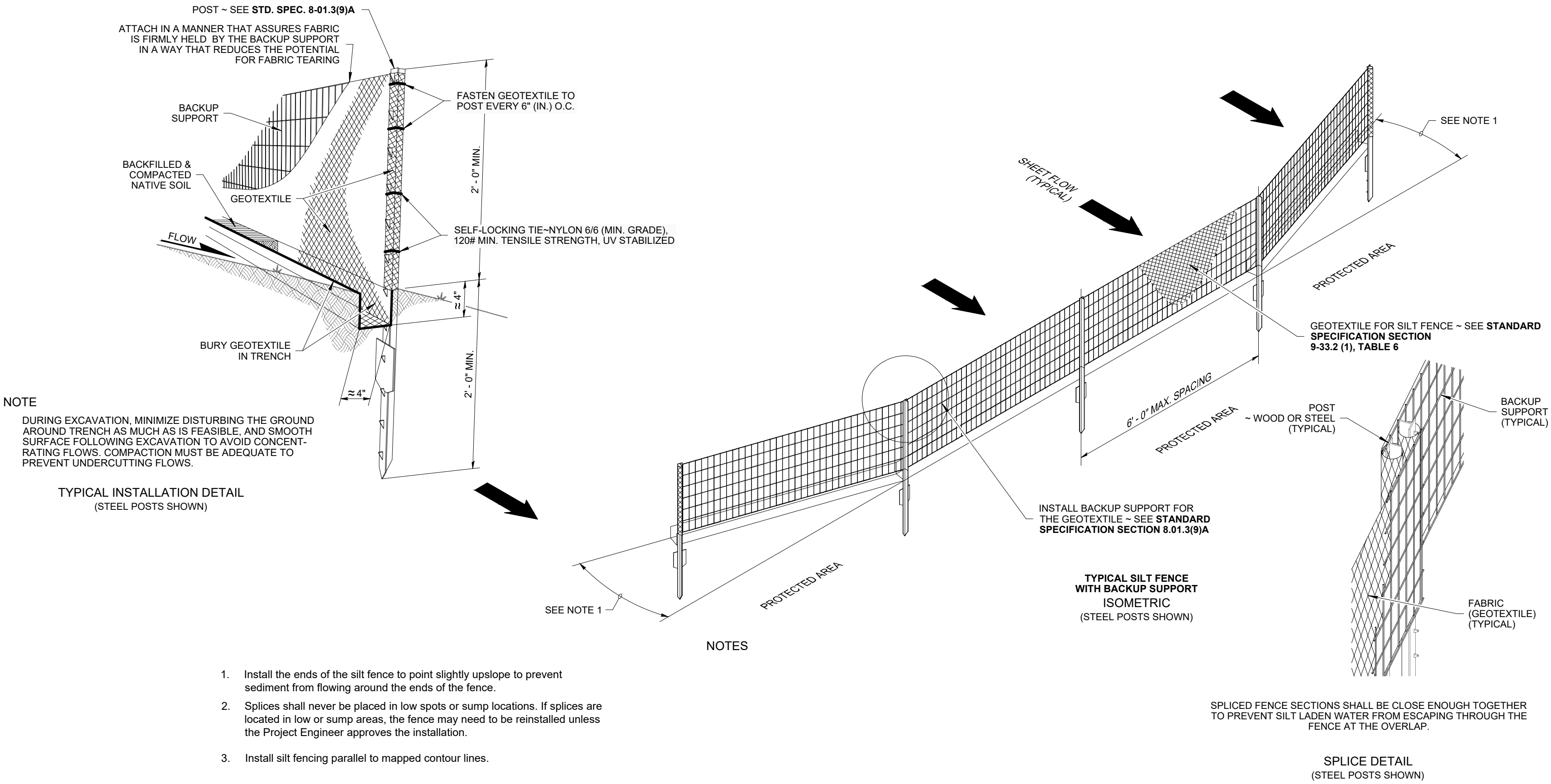
COVER SHEET

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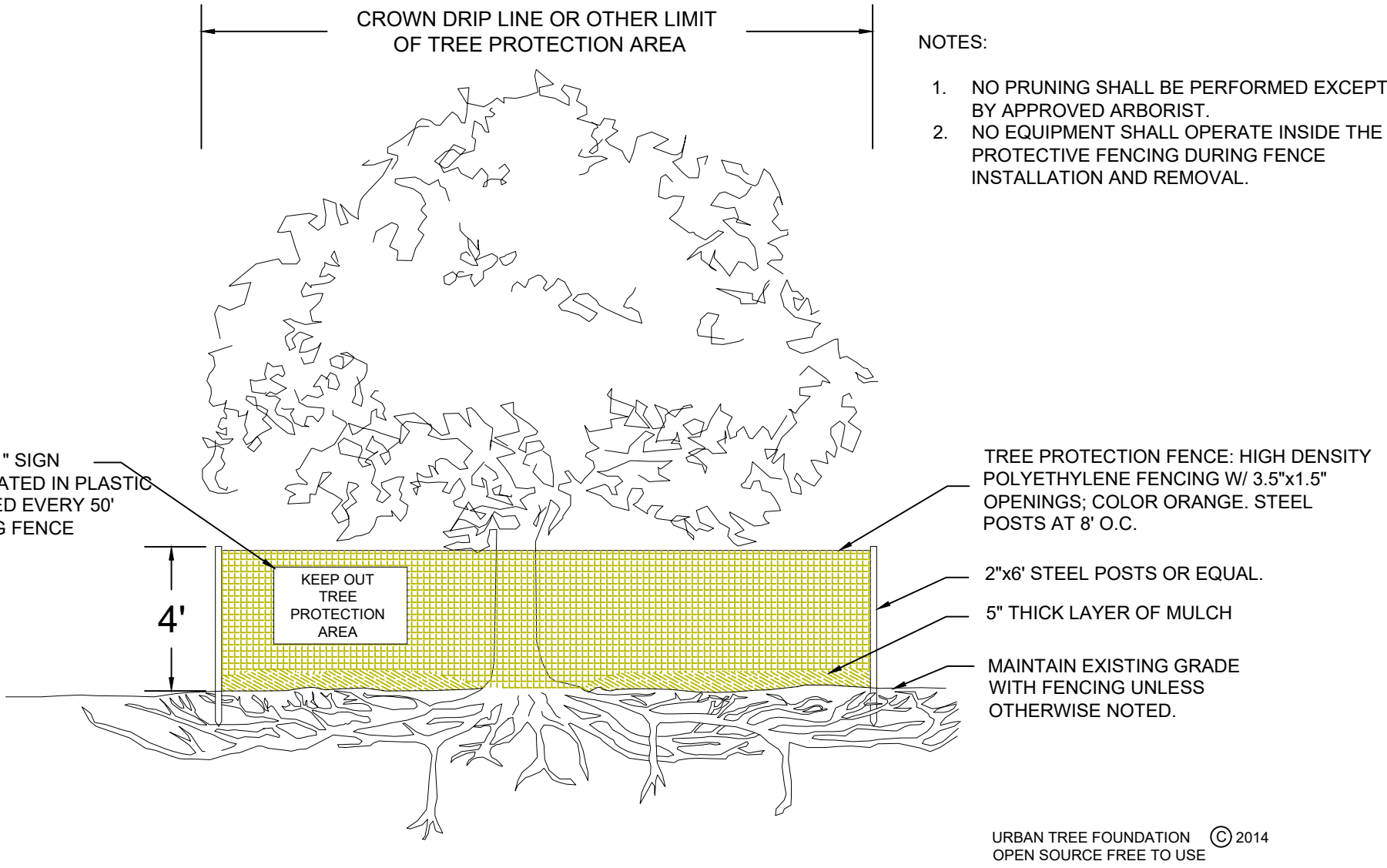
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Sheet	CV 1 of 26 Sheets



TREE PROTECTION SPECIFICATION FOR DEVELOPMENT IN THE CITY OF SPOKANE

1. GENERAL
- The City of Spokane's Municipal Code requires that tree pruning, planting, or removal work within the public right-of-way and on public property must be performed by a person or entity with a commercial tree license. (SMC 10.25.010)
 - Additionally, all tree pruning (crown or root) and tree removal work must be performed by an International Society of Arboriculture (ISA) certified arborist or certified tree worker. Tree planting must be directly supervised by an ISA certified arborist or certified tree worker.
 - The term "Contracted Arborist" shall be used in the remainder of this document to refer to the licensed tree company.
 - All equipment to be used and all work to be performed must be in full compliance with the most current revision of the American National Standards Institute Z-133-2017, or as amended.
2. TREE PROTECTION ZONE (TPZ)
- For the purpose of protecting trees in the right of way during development, the contractor/developer may install the TPZ in accordance with the standards below.
 - The tree protection zone (TPZ) will either be determined in the field by Urban Forestry staff or established by the Contracted Arborist for approval by Urban Forestry staff prior to any excavation or work by the following method. The minimum TPZ shall be equal to the Critical Root Zone (CRZ) as defined by the International Society of Arboriculture (ISA): an area equal to 1 foot radius from the base of the tree's trunk for each 1 inch of the tree's diameter at 4.5 feet above grade (referred to as diameter at breast height or dbh). TPZ modifications may be made due to construction objectives and site infrastructure only with prior authorization by Urban Forestry staff.
 - Mulch: The area within the TPZ shall be mulched with 1-2 inches of untreated wood chips, leaving a 1 foot radius from the trunk free of mulching materials, unless otherwise pre-approved by Urban Forestry
 - Water: All trees designated for protection shall receive 5-10 gallons of water per caliper inch every seven days throughout the construction period. The amount and frequency of irrigation may be adjusted as needed due to temperature fluctuations and site conditions.
 - Temporary Fencing: Install temporary fencing, 3' tall minimum, orange plastic construction fencing per manufacturer's specifications, located as indicated or outside the TPZ of trees to protect remaining vegetation from construction damage. Fencing must be maintained at all times during construction. Alternative or modified fencing material may be permitted with prior authorization by Urban Forestry staff.
 - Removal of Hardscapes: Where equipment is necessary to remove hardscapes in proximity of a protected tree, construction personnel must exhibit due care to ensure no damage occurs to the existing roots. If roots are encountered in the demo area, consultation with Urban Forestry staff or a Contracted Arborist is required to determine best management practice to meet construction and tree preservation objectives.
 - Protect tree root systems from damage due to noxious materials caused by runoff or spillage while mixing, placing, or storing construction materials. Protect root systems from flooding, eroding, or excessive wetting caused by dewatering operations.
 - Do not store construction materials, debris, or excavated material within the TPZ of remaining trees. Do not permit vehicles or foot traffic within the TPZ; prevent soil compaction over root systems.



- EROSION CONTROL NOTES
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 CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, WHICHEVER IS LATER.

2. 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 NEWEXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.

3. THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS;

3.1. CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY ESC BMPs.

3.2. INSTALL TEMPORARY ESC BMPs, CONSTRUCTING SEDIMENT TRAPPING BMPs AS ONE OF THE FIRST STEPS PRIOR TO GRADING.

3.3. CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS WITH THE APPROPRIATE CONSTRUCTION ENTRY BMP.

3.4. TEMPORARILY STABILIZE, THROUGH RE-VEGETATION OR OTHER APPROPRIATE BMPs, IN SITUATIONS WHERE SUBSTANTIAL CUT OR FILL SLOPES ARE A RESULT OF THE SITE GRADING.

3.5. PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE BMPs.

3.6. INSTALL PERMANENT ESC CONTROLS, WHEN APPLICABLE, AND REMOVE TEMPORARY ESC CONTROLS WHEN;

3.6.1. PERMANENT ESC CONTROLS, WHEN APPLICABLE HAVE BEEN COMPLETELY INSTALLED;

3.6.2. ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION OR SEDIMENTATION PROBLEMS HAVE CEASED; AND

3.6.3. VEGETATION HAS BEEN ESTABLISHED IN THE AREAS NOTED AS REQUIRING VEGETATION ON THE ACCEPTED ESC/LANDSCAPE PLAN ON FILE WITH THE LOCAL JURISDICTION.

4. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

5. SILT FENCE SHALL BE CONSTRUCTED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.

6. RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICAL.

7. CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA.

8. STABILIZE EXPOSED UNWORKED SOILS (INCLUDING STOCKPILES) WITH A FAST STARTING NATIVE DRY LAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 LBS./ACRE. WHETHER AT FINAL GRADE OR NOT, WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (JULY 1 THROUGH SEPTEMBER 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.

18. 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 CLEARING LIMITS SHOWN.

19. PROTECT INLETS, DRYWELLS, CATCH BASINS AND OTHER STORMWATER MANAGEMENT FACILITIES FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE.

20. KEEP ROADS ADJACENT TO INLETS CLEAN.

21. STOCKPILE MATERIALS (SUCH AS TOPSOIL) ON SITE AWAY FROM ROADWAYS AND SIDEWALKS.

22. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE WAC 173-304 FOR DEFINITION OF INERT WASTE), USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.

23. CONTROL POLLUTANTS AND ANY SPILLS IN ACCORDANCE WITH D.O.E. AND D.O.H. GUIDELINES.

24. 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.
- MAINTENANCE NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.

2. INSPECT SEDIMENT BMPs WEEKLY AT A MINIMUM, IMMEDIATELY AFTER EACH RUNOFF PRODUCING RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED RAINFALL PERIODS.

3. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS. INLET PROTECTION BMPs SHALL BE CLEANED OR REMOVED AND REPLACED BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE.

4. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE COMPLETED WITHIN 24 HOURS OF NOTICE.

5. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL EVENT. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES ONE HALF THE HEIGHT OF THE BARRIER.

6. ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND PREPARED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

7. ALL TEMPORARY EROSION CONTROL FACILITIES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THEY ARE NO LONGER NEEDED.

8. 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.
- NOTES AND DETAILS

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Job No. AVST0051

Designed KMG

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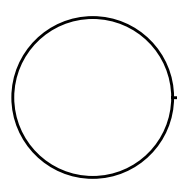
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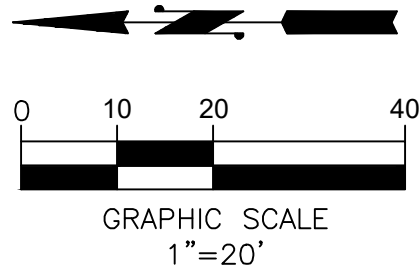
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STRUCTURE - PP 1/8

APPROXIMATE AREA OF DISTURBANCE: 9,585 SF

ESTIMATED EARTHWORK
CUT/FILL : 110 CY



- EXCAVATION NOTES:
1. FINAL GRADING TO BE FIELD ADJUSTED AS NECESSARY TO BALANCE EARTHWORK AT EACH PAD SITE TO ELIMINATE ANY IMPORT OR EXPORT OF MATERIAL.
 2. TOPSOIL TO BE STRIPPED AND STOCKPILED AT EACH PAD LOCATION AND RE-SPREAD OVER FINAL GRADE.
 3. UPON COMPLETION OF POLE AND LINE CONSTRUCTION, THE WORK PADS SHALL BE GRADED TO ORIGINAL CONTOURING.

GRADING AND EROSION CONTROL - POLE 1/8

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City of Spokane, WASHINGTON

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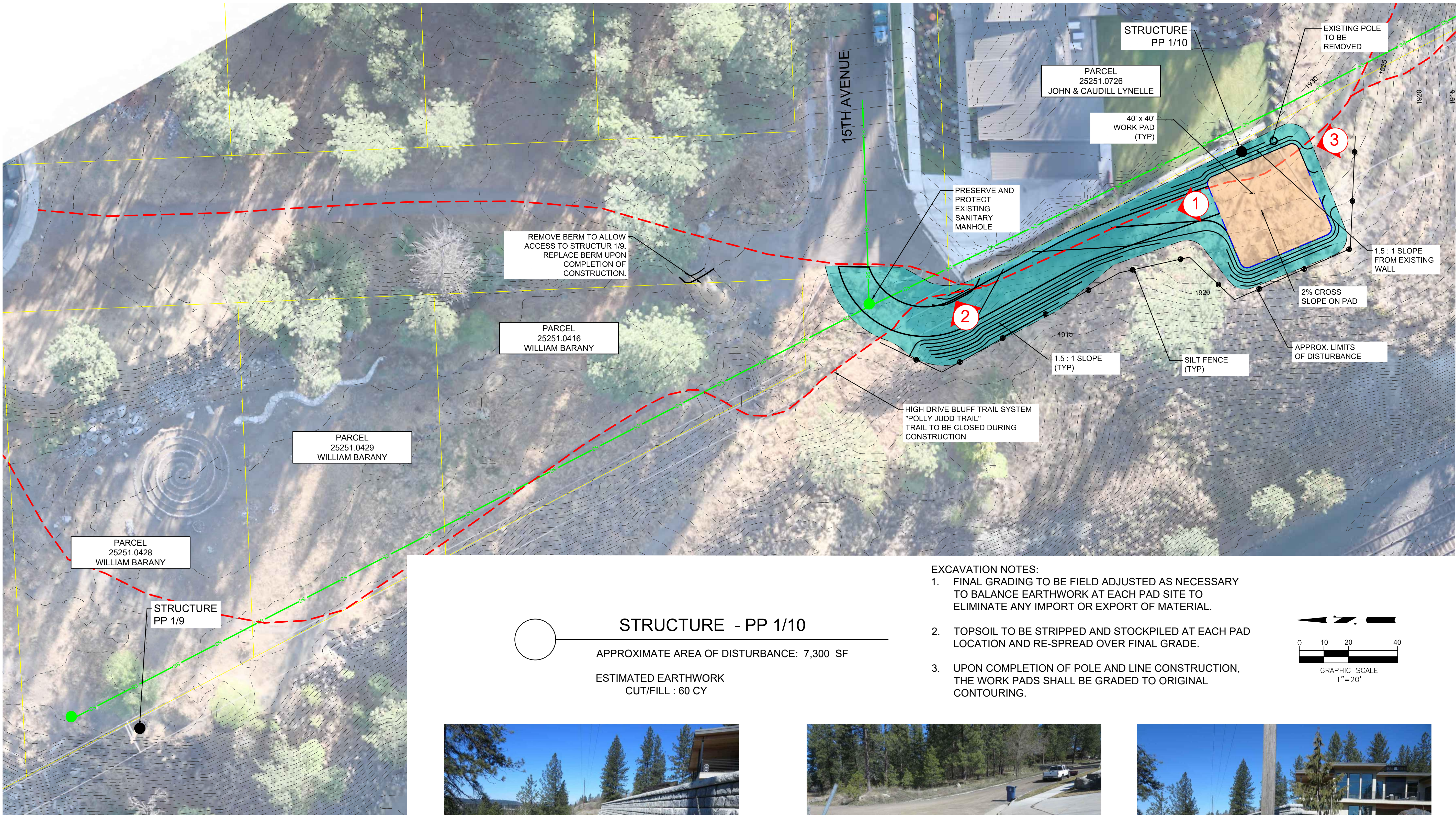
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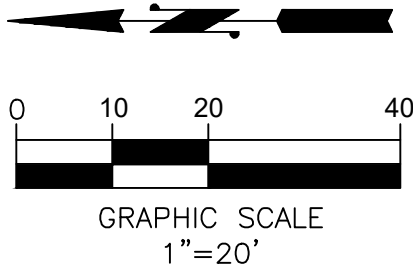


STRUCTURE - PP 1/10

APPROXIMATE AREA OF DISTURBANCE: 7,300 SF

ESTIMATED EARTHWORK
CUT/FILL : 60 CY

- EXCAVATION NOTES:
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 2. TOPSOIL TO BE STRIPPED AND STOCKPILED AT EACH PAD LOCATION AND RE-SPREAD OVER FINAL GRADE.
 3. UPON COMPLETION OF POLE AND LINE CONSTRUCTION, THE WORK PADS SHALL BE GRADED TO ORIGINAL CONTOURING.



1 LOOKING NORTH

2 LOOKING EAST

3 LOOKING NORTH

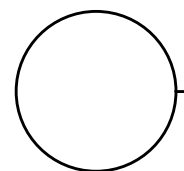
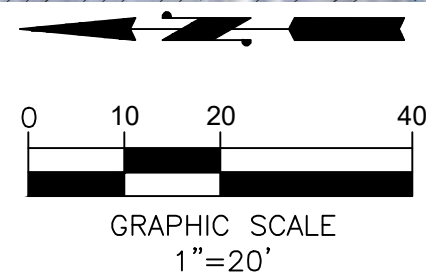
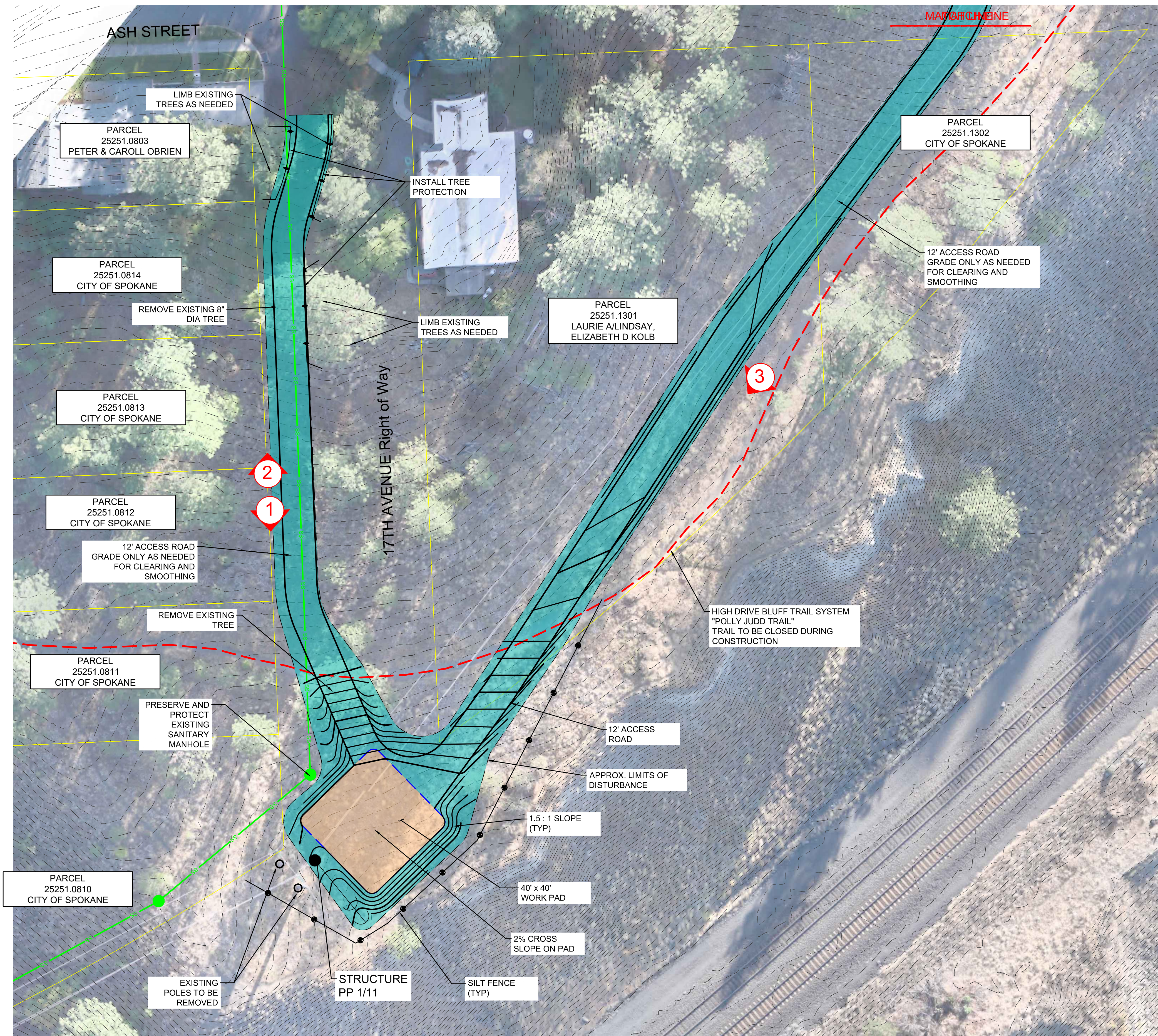
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STRUCTURE - PP 1/11

APPROXIMATE AREA OF DISTURBANCE: 13,660 SF
ESTIMATED EARTHWORK
CUT/FILL: 120 CY



1 LOOKING WEST



2 LOOKING EAST



3 LOOKING NORTHWEST

- EXCAVATION NOTES:
1. FINAL GRADING TO BE FIELD ADJUSTED AS NECESSARY TO BALANCE EARTHWORK AT EACH PAD SITE TO ELIMINATE ANY IMPORT OR EXPORT OF MATERIAL.
 2. TOPSOIL TO BE STRIPPED AND STOCKPILED AT EACH PAD LOCATION AND RE-SPREAD OVER FINAL GRADE.
 3. UPON COMPLETION OF POLE AND LINE CONSTRUCTION, THE GRADE SHALL BE RE-ESTABLISHED TO ORIGINAL CONTOURING.

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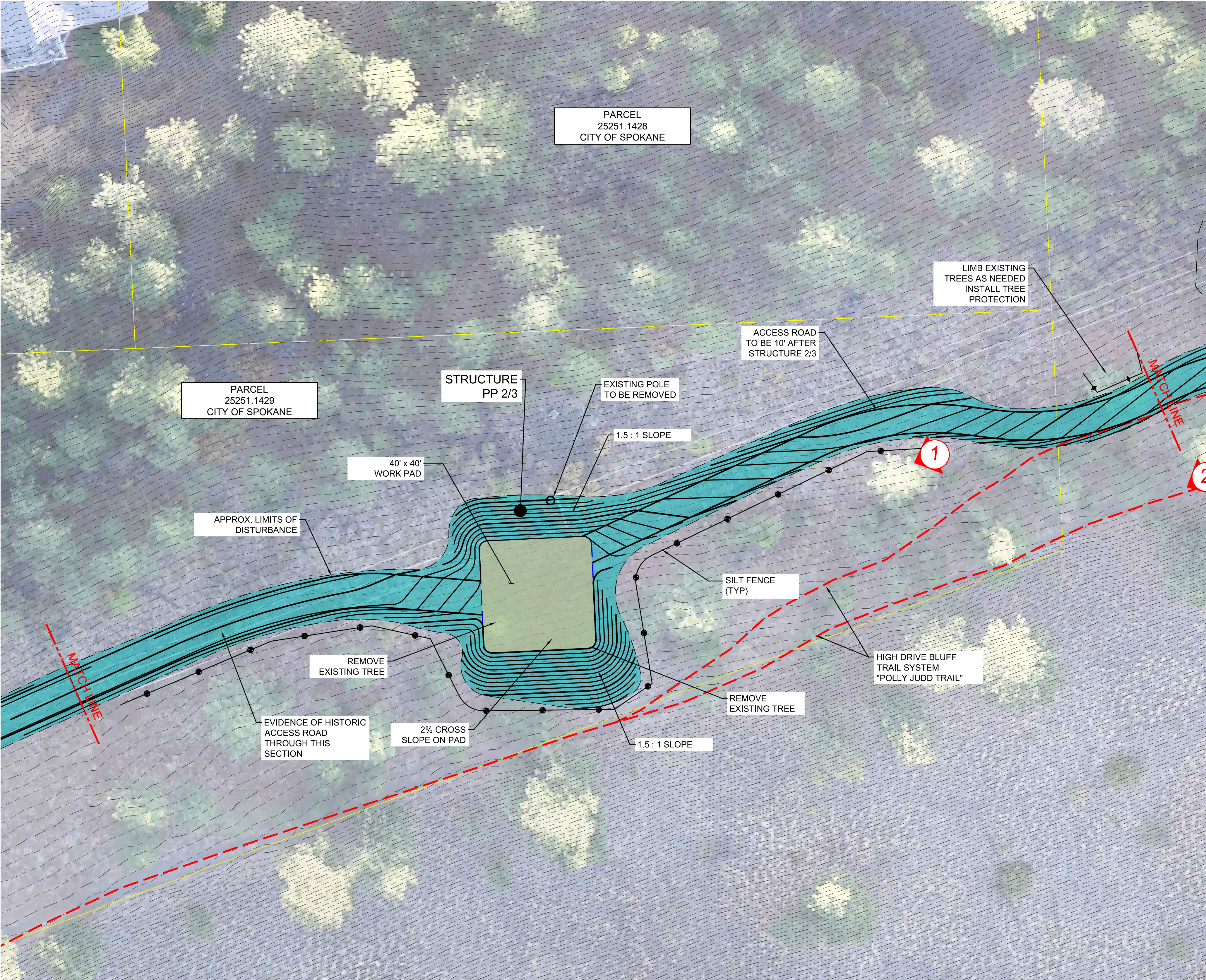
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STRUCTURE - PP 2/3

APPROXIMATE AREA OF DISTURBANCE: 10,065 SF

ESTIMATED EARTHWORK
CUT:/FILL 185 CY

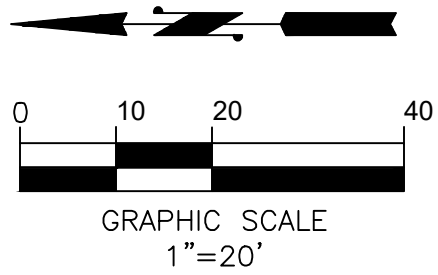


1 LOOKING NORTHWEST



2 LOOKING NORTHWEST

- EXCAVATION NOTES:
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 3. UPON COMPLETION OF POLE AND LINE CONSTRUCTION, THE WORK PADS SHALL BE GRADED TO ORIGINAL CONTOURING.



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GRADING AND EROSION CONTROL - POLE 2/3

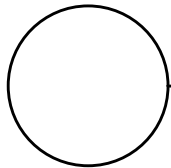
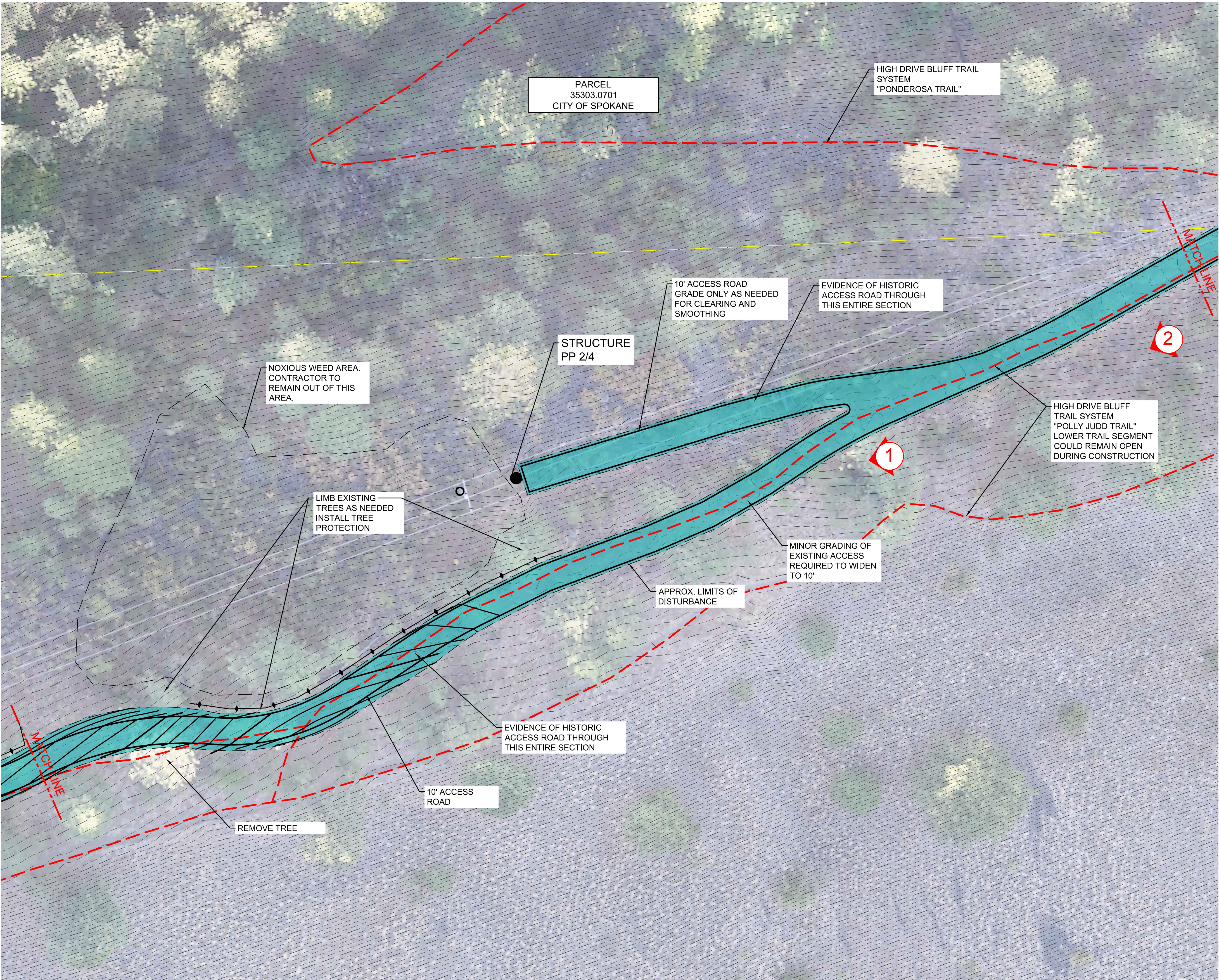
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STRUCTURE - PP 2/4

APPROXIMATE AREA OF DISTURBANCE: 7,935 SF

ESTIMATED EARTHWORK
CUT/FILL: 50 CY

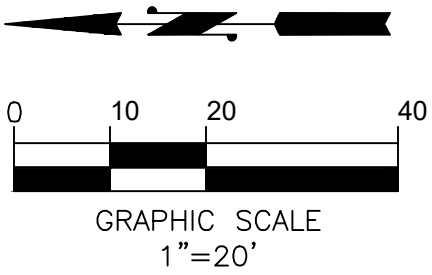


LOOKING NORTHWEST



LOOKING NORTHWEST

- EXCAVATION NOTES:
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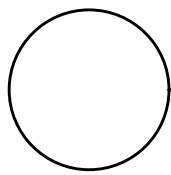
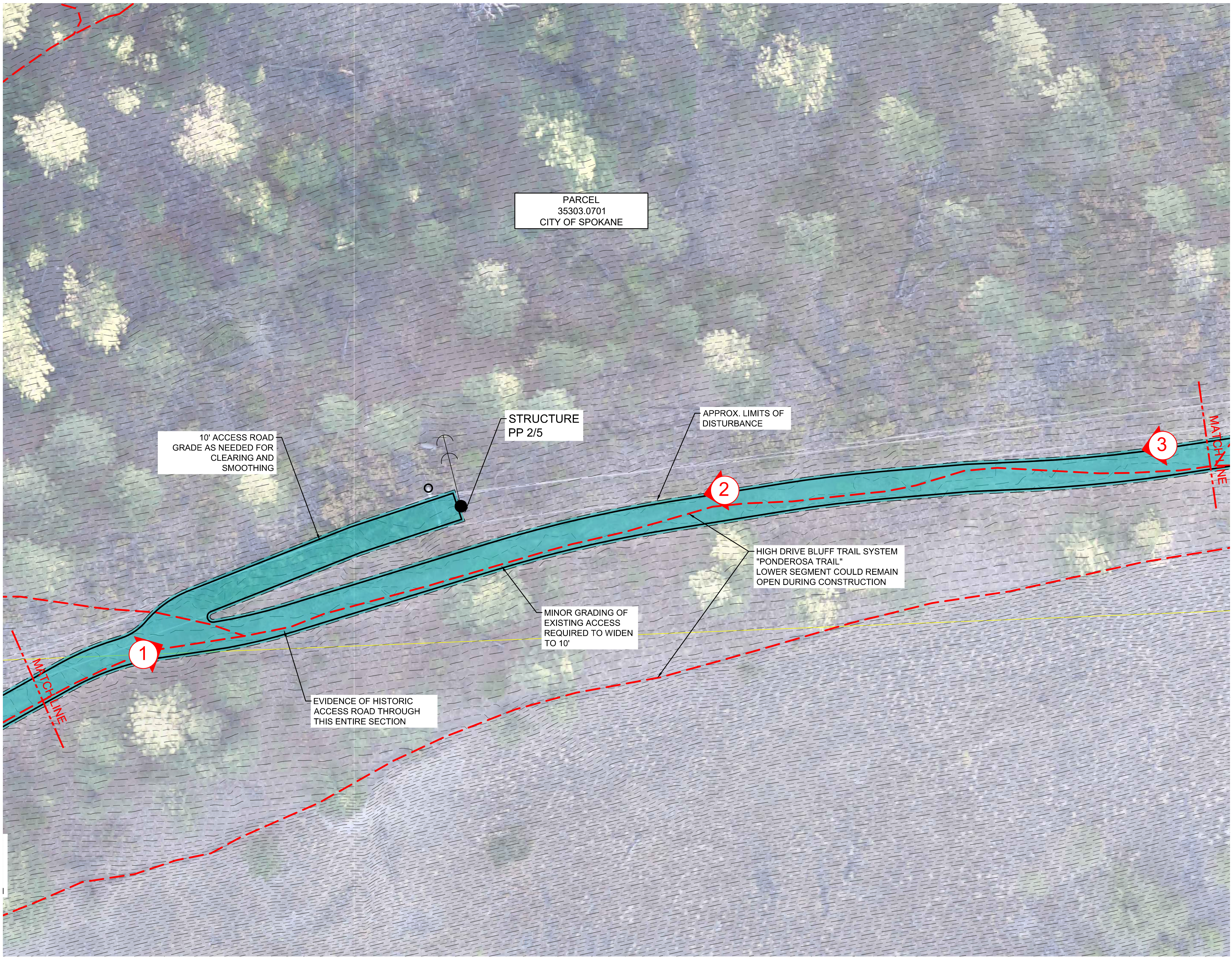
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GRADING AND EROSION CONTROL - POLE 2/4

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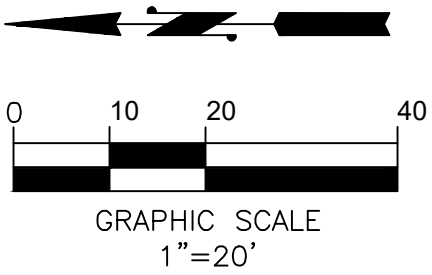


STRUCTURE - PP 2/5

APPROXIMATE AREA OF DISTURBANCE: 6,690 SF

ESTIMATED EARTHWORK
CUT/FILL: 35 CY

- EXCAVATION NOTES:
1. FINAL GRADING TO BE FIELD ADJUSTED AS NECESSARY TO BALANCE EARTHWORK AT EACH PAD SITE TO ELIMINATE ANY IMPORT OR EXPORT OF MATERIAL.
 2. TOPSOIL TO BE STRIPPED AND STOCKPILED AT EACH PAD LOCATION AND RE-SPREAD OVER FINAL GRADE.



1 LOOKING SOUTH



2 LOOKING NORTHWEST



3 LOOKING NORTHWEST

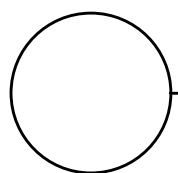
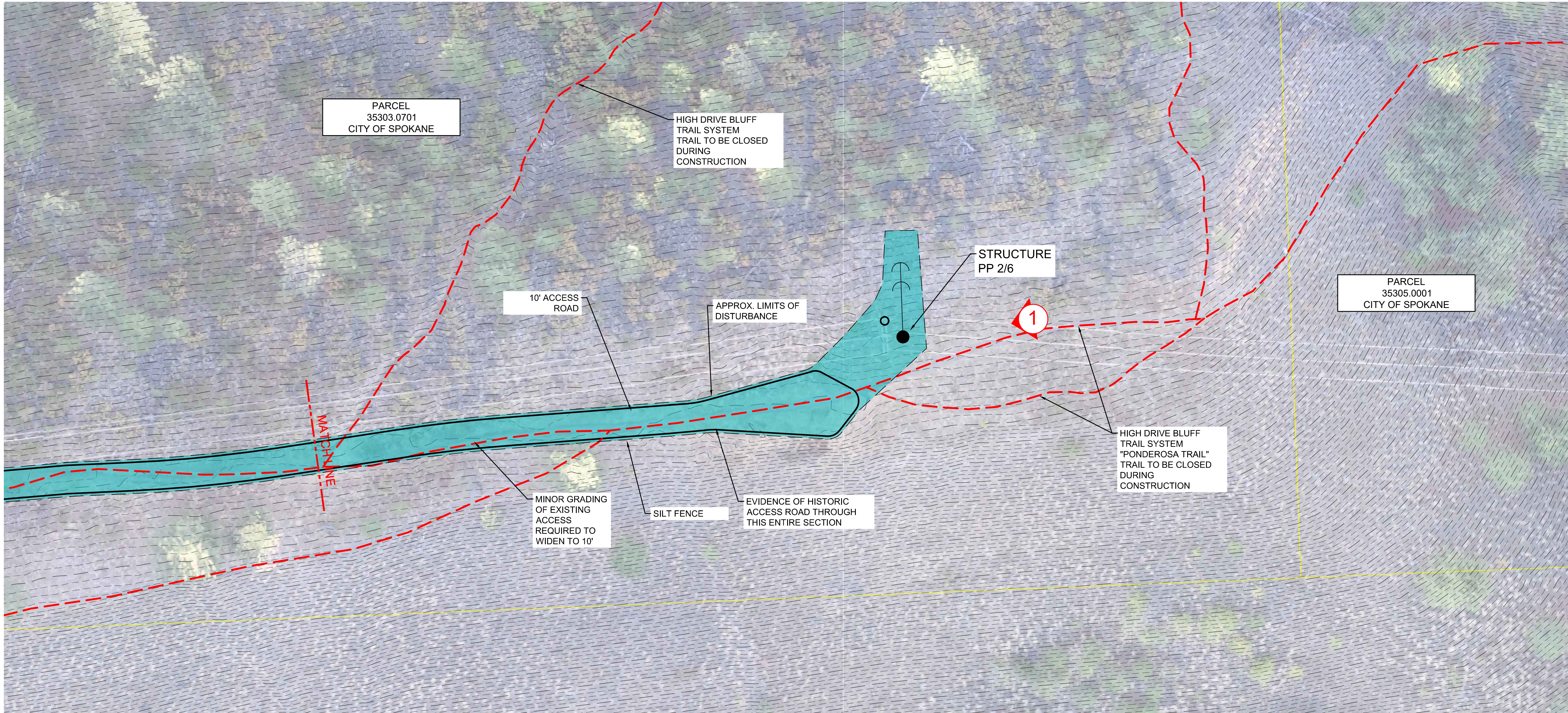
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GRADING AND EROSION CONTROL - POLE 2/5

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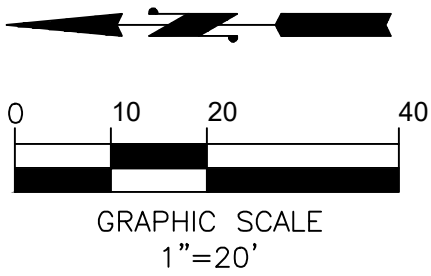
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STRUCTURE - PP 2/6

APPROXIMATE AREA OF DISTURBANCE: 3,825 SF

ESTIMATED EARTHWORK
CUT/FILL: 30 CY



LOOKING NORTHWEST

- EXCAVATION NOTES:
1. FINAL GRADING TO BE FIELD ADJUSTED AS NECESSARY TO BALANCE EARTHWORK AT EACH PAD SITE TO ELIMINATE ANY IMPORT OR EXPORT OF MATERIAL.
 2. TOPSOIL TO BE STRIPPED AND STOCKPILED AT EACH PAD LOCATION AND RE-SPREAD OVER FINAL GRADE.
 3. UPON COMPLETION OF POLE AND LINE CONSTRUCTION, THE WORK PADS SHALL BE GRADED TO ORIGINAL CONTOURING.

GRADING AND EROSION CONTROL - POLE 2/6

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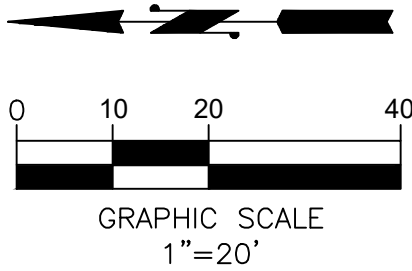
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STRUCTURE - 2/8 to SUBSTATION

APPROXIMATE AREA OF DISTURBANCE: 1,500 SF



GRADING AND EROSION CONTROL - POLE 2/8
TO SUBSTATION

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RESTORATION NOTES:

- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
- DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
- APPLY PROFILE PRODUCTS, PROAGANICS DUAL, AT A SPECIFIED RATE OF 5500#/ACRE AFTER SEED HAS BEEN APPLIED.
- APPLY BioSol Forte AT A RATE OF 1800#/ACRE WITH SEED APPLICATION.
- OBTAIN A SOIL TEST FROM 3 DIFFERENT LOCATIONS ALONG THE TRANSMISSION CORRIDOR AND SEND TO NORTHWEST AGRICULTURAL CONSULTANTS FOR FERTILIZER RECOMMENDATIONS. INFORM THEM OF THE RATE OF BioSol Forte BEING APPLIED.
- USE WESTERN EXCELSIOR, EXCEL CS-3 ALL NATURAL EROSION CONTROL BLANKET, TO ALL SLOPES FOR MAINTENANCE DUE TO SLOPE FAILURES. FILL RILLS OR DAMAGED AREAS WITH SOIL, COMPACT, AND COVER AREA TIGHTLY WITH RECP. TAKE CARE TO MINIMIZE DAMAGE TO THE HYDROMULCH APPLICATION. USE ROUND TOP PINS/U-STAPLES TO ANCHOR RECP. IF THE INTEGRITY OF THE HYDROMULCH IS DAMAGED, USE RECP TO REPAIR THOSE AREAS. USE SEED IN AREAS THAT ARE DAMAGED AT THE RATE SPECIFIED.
- USE BIODEGRADABLE FIBER WATTLES ON SLOPE ELEVATION CHANGES OF 5' OR MORE AND AT ALL TOE OF SLOPES. DIG A 2-4" TRENCH, STAKE FIBER WATTLES USING 1"x2"x18" WOOD STAKES AT BOTH ENDS AND EVERY 2' ALONG THE ROLL. OVERLAP FIBER WATTLES, WHERE NEEDED, BY 18" MINIMUM.
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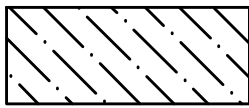
SEED SPECIES AND APPLICATION RATE:

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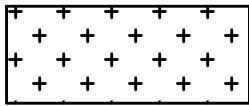
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

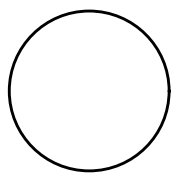
DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



HYDROSEED



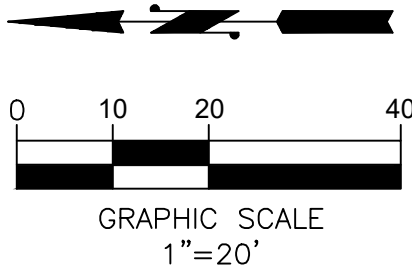
DRILL SEED



STRUCTURE - PP 1/8

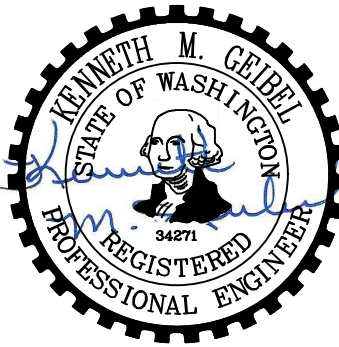
APPROXIMATE AREA OF DISTURBANCE: 9,585 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	5,200 SF
DRILL SEED	4,385 SF



SITE RESTORATION - POLE 1/8

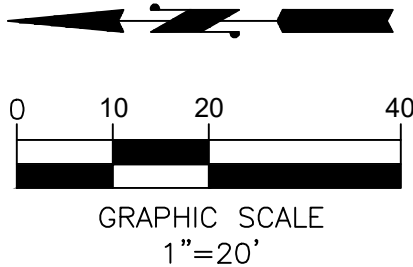
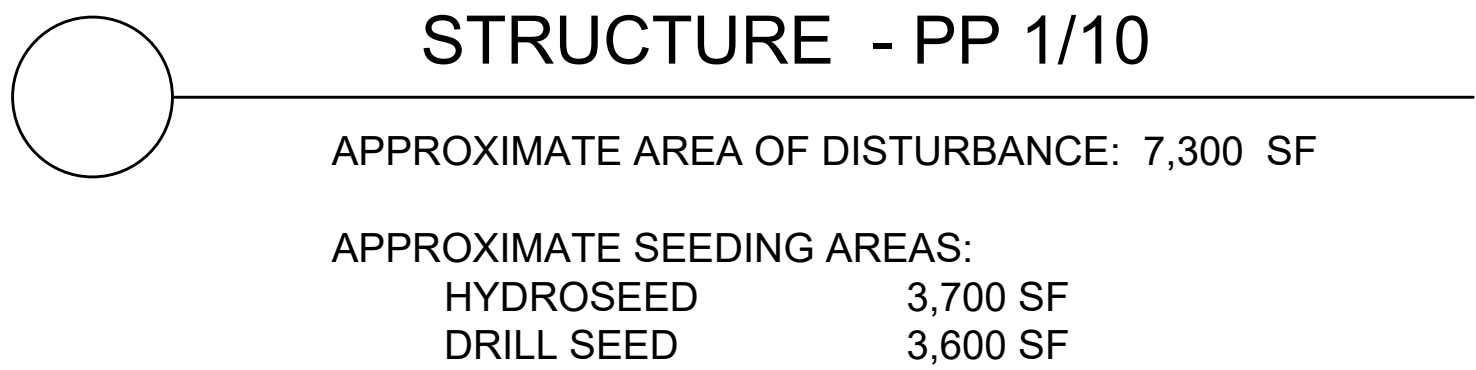
Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



05/03/2023



Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023



RESTORATION NOTES:

- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
- DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
- APPLY PROFILE PRODUCTS, PROAGANICS DUAL, AT A SPECIFIED RATE OF 5500#/ACRE AFTER SEED HAS BEEN APPLIED.
- APPLY BioSol Forte AT A RATE OF 1800#/ACRE WITH SEED APPLICATION.
- OBTAIN A SOIL TEST FROM 3 DIFFERENT LOCATIONS ALONG THE TRANSMISSION CORRIDOR AND SEND TO NORTHWEST AGRICULTURAL CONSULTANTS FOR FERTILIZER RECOMMENDATIONS. INFORM THEM OF THE RATE OF BioSol Forte BEING APPLIED.
- USE WESTERN EXCELSIOR, EXCEL CS-3 ALL NATURAL EROSION CONTROL BLANKET, TO ALL SLOPES FOR MAINTENANCE DUE TO SLOPE FAILURES. FILL RILLS OR DAMAGED AREAS WITH SOIL, COMPACT, AND COVER AREA TIGHTLY WITH RECP. TAKE CARE TO MINIMIZE DAMAGE TO THE HYDROMULCH APPLICATION. USE ROUND TOP PINS/U-STAPLES TO ANCHOR RECP. IF THE INTEGRITY OF THE HYDROMULCH IS DAMAGED, USE RECP TO REPAIR THOSE AREAS. USE SEED IN AREAS THAT ARE DAMAGED AT THE RATE SPECIFIED.
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SEED SPECIES AND APPLICATION RATE:

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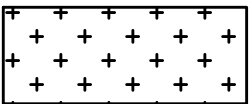
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



HYDROSEED



DRILL SEED

SITE RESTORATION - POLE 1/10

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



05/03/2023



Job No. AVST0051

Designed KMG

Drawn -

Checked

Date 5/02/2023

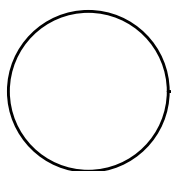
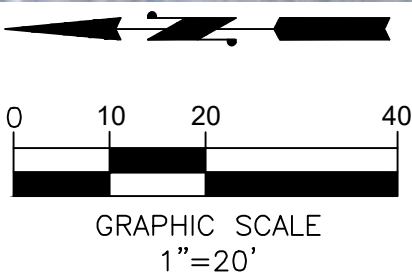
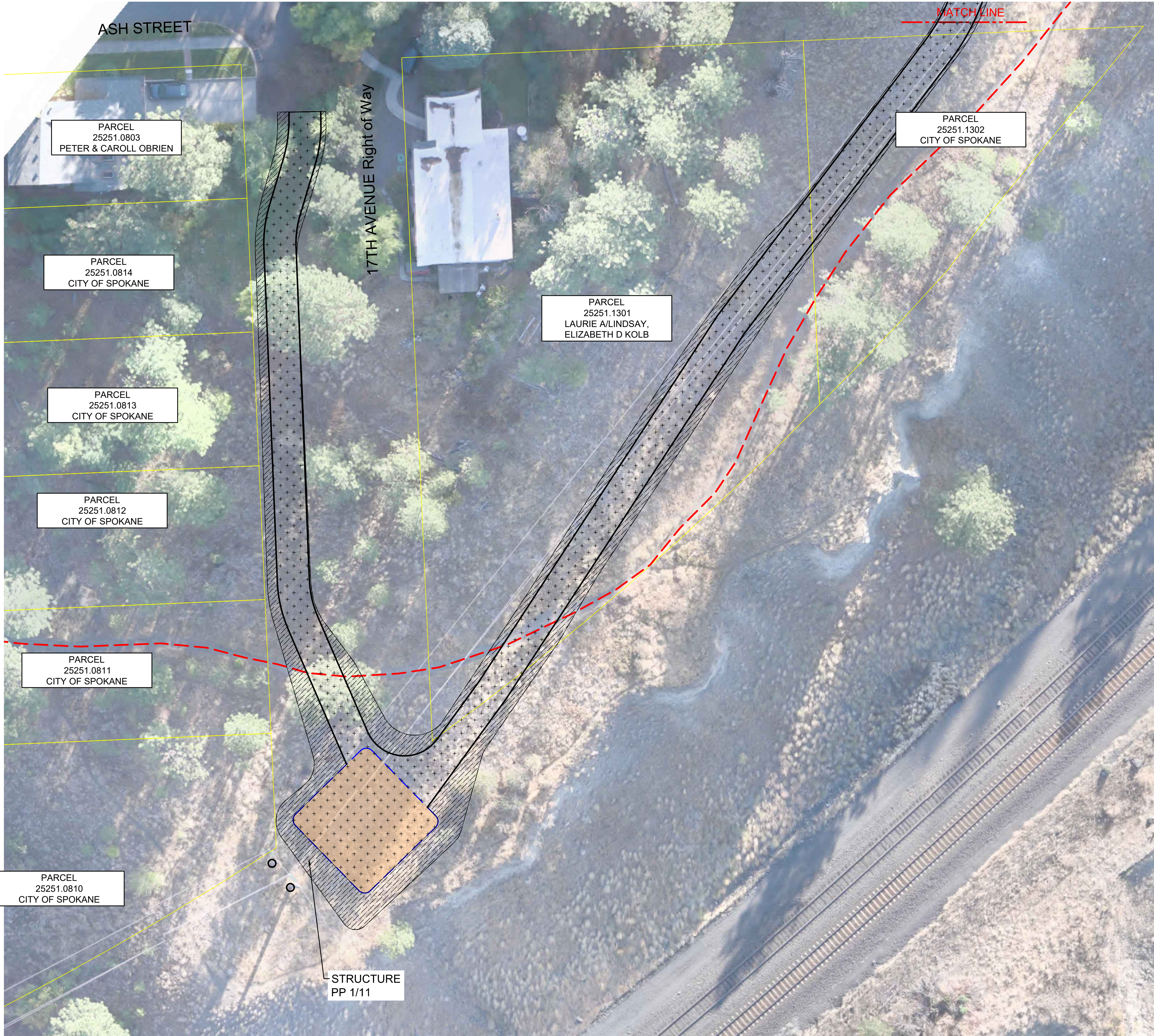
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16

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REVISIONS

No.	Initial	Date	Description
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STRUCTURE - PP 1/11

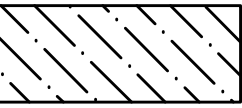
- RESTORATION NOTES:
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 - APPLY BioSol Forte AT A RATE OF 1800#/ACRE WITH SEED APPLICATION.
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SEED SPECIES AND APPLICATION RATE:

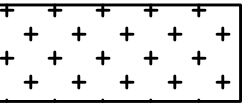
SEED SPECIES AND APPLICATION RATE SHALL BE THE FOLLOWING AND OBTAINED FROM PINEVIEW HORTICULTURAL SERVICES @ 208-772-7294 (PATRICK ZIMMER). RATES ARE FOR PURE LIVE SEED.

HYDROSEED MIXTURE:		
Bluebunch WG/Snake River	5 lbs	
Idaho Fescue WG	5 lbs	
Sandberg Bluegrass	4 lbs	
Basin Wildrye/Blue Wildrye	3 lbs	
Yarrow	1 lb	
Bitterbrush	1 lb	
Balsam Root-Arrow Leaf	1 lb	

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



HYDROSEED



DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 13,660 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	4,700 SF
DRILL SEED	8,890 SF

SITE RESTORATION - POLE 1/11

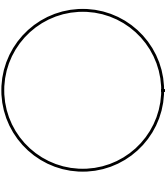
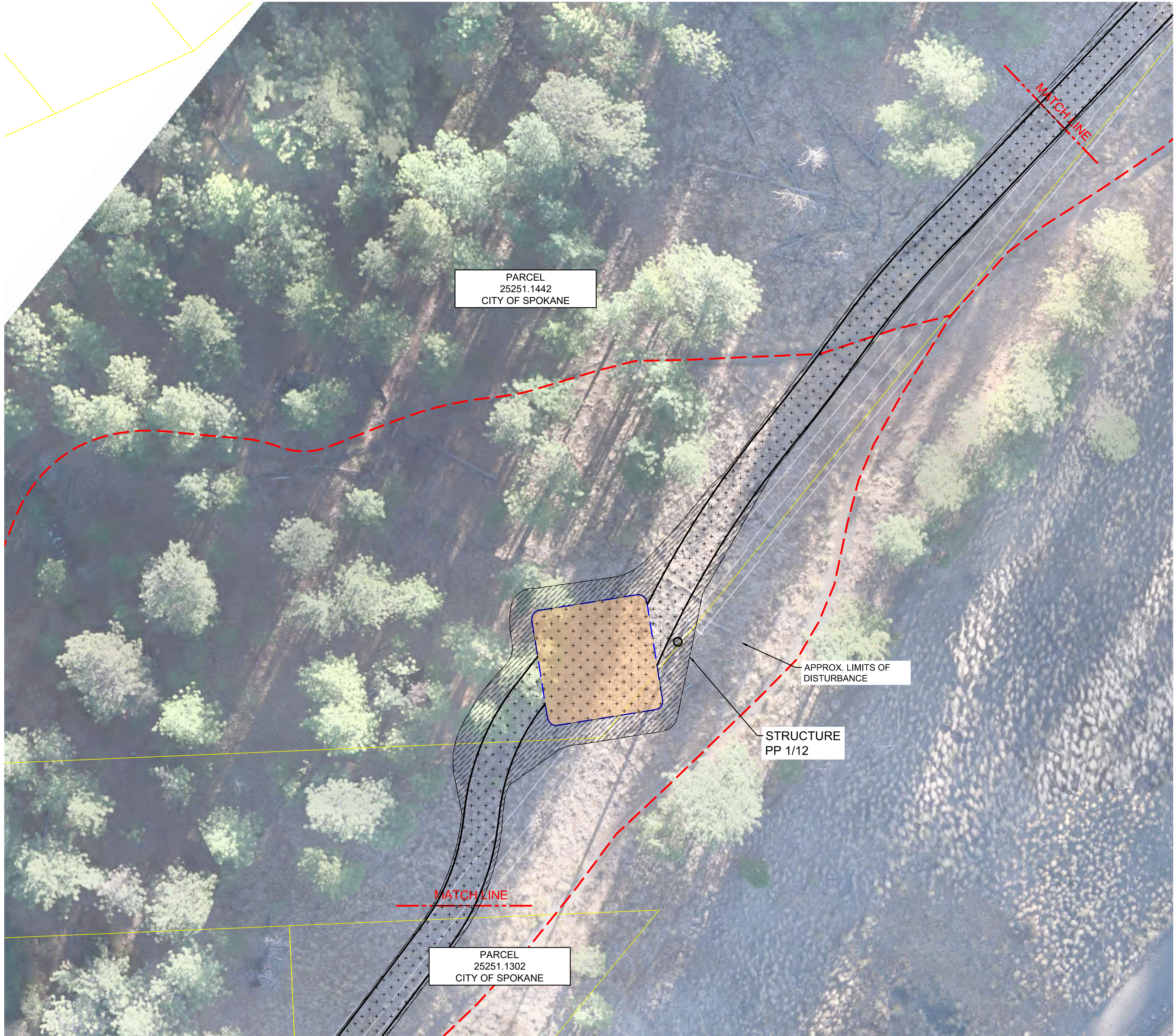
Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON

05/03/2023

DAVID EVANS
AND ASSOCIATES INC.
908 N. Howard St., Suite 300
Spokane Washington 99201
Phone: 606.327.8897

Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023
Sheet	17

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STRUCTURE - PP 1/12

RESTORATION NOTES:

- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
- DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
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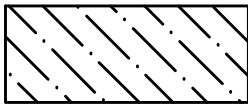
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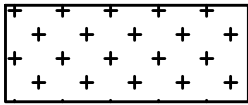
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



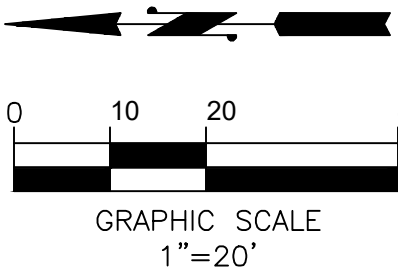
HYDROSEED



DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 7,750 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	2,435 SF
DRILL SEED	5,315 SF



SITE RESTORATION - POLE 1/12

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023

REVISIONS

No.	Initial	Date	Description
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- RESTORATION NOTES:
- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
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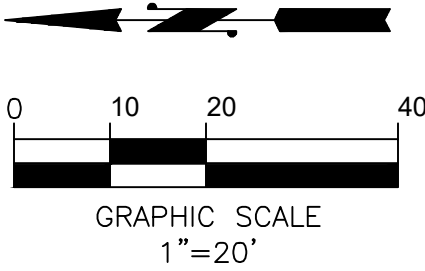
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Yarrow	1 lb	
Bitterbrush	1 lb	
Balsam Root-Arrow Leaf	1 lb	

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.

	HYDROSEED
	DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 11,110 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	4,275 SF
DRILL SEED	6,835 SF



SITE RESTORATION - POLE 2/1

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON

05/03/2023

DAVID EVANS
AND ASSOCIATES INC.
908 N. Howard St., Suite 300
Spokane Washington 99201
Phone: 509.327.8897

Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023
Sheet	19

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STRUCTURE - PP 2/2

- RESTORATION NOTES:
- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
 - DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
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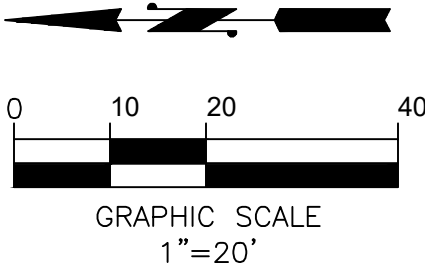
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Yarrow	1 lb	
Bitterbrush	1 lb	
Balsam Root-Arrow Leaf	1 lb	

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.

	HYDROSEED
	DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 11,340 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	5,370 SF
DRILL SEED	5,970 SF



SITE RESTORATION - POLE 2/2

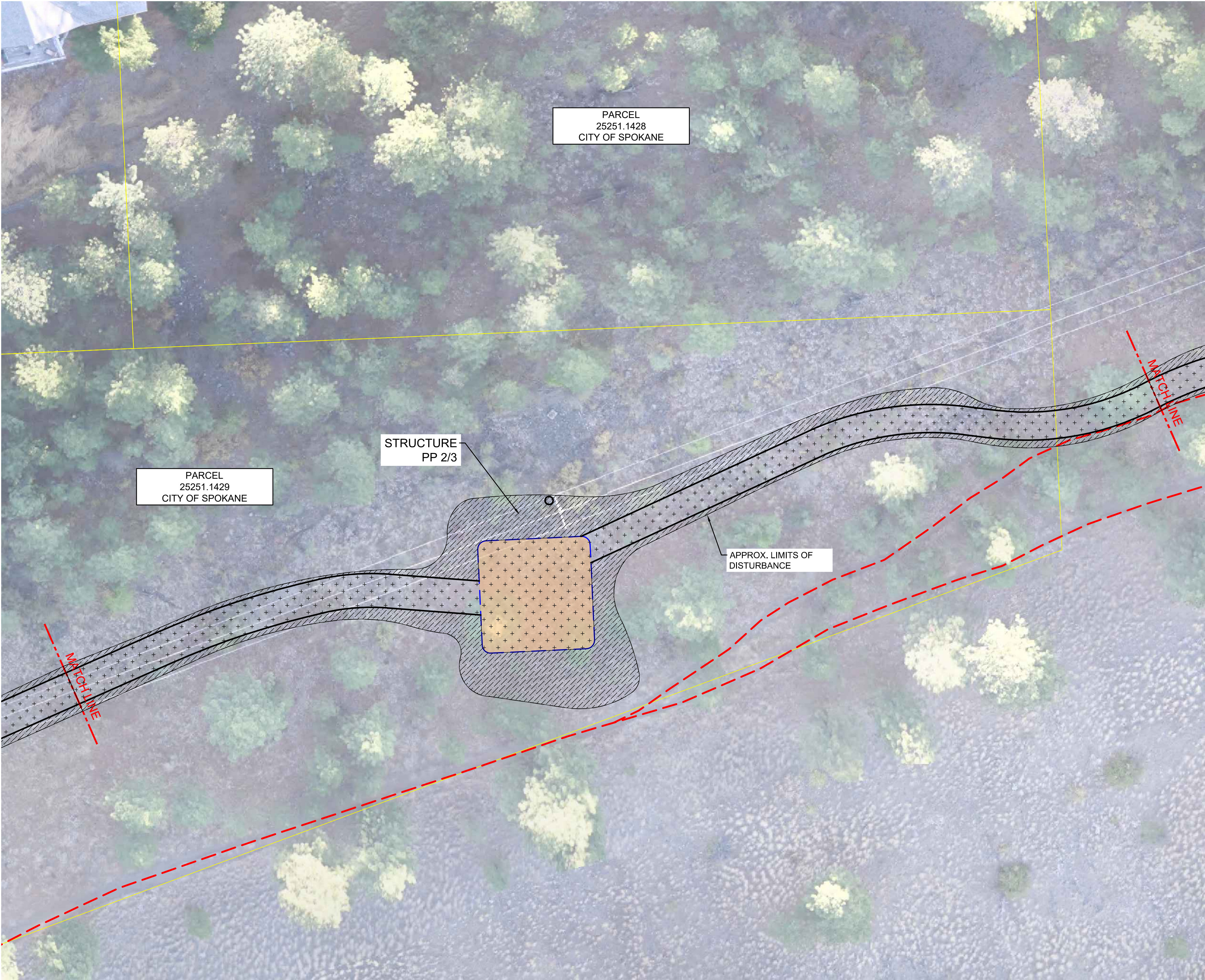
Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON

05/03/2023

DAVID EVANS
AND ASSOCIATES INC.
908 N. Howard St., Suite 300
Spokane Washington 99201
Phone: 509.327.8897

Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023
Sheet	20

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STRUCTURE - PP 2/3

RESTORATION NOTES:

1. HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
2. DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
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5. OBTAIN A SOIL TEST FROM 3 DIFFERENT LOCATIONS ALONG THE TRANSMISSION CORRIDOR AND SEND TO NORTHWEST AGRICULTURAL CONSULTANTS FOR FERTILIZER RECOMMENDATIONS. INFORM THEM OF THE RATE OF BioSol Forte BEING APPLIED.
6. USE WESTERN EXCELSIOR, EXCEL CS-3 ALL NATURAL EROSION CONTROL BLANKET, TO ALL SLOPES FOR MAINTENANCE DUE TO SLOPE FAILURES. FILL RILLS OR DAMAGED AREAS WITH SOIL, COMPACT, AND COVER AREA TIGHTLY WITH RECP. TAKE CARE TO MINIMIZE DAMAGE TO THE HYDROMULCH APPLICATION. USE ROUND TOP PINS/U-STAPLES TO ANCHOR RECP. IF THE INTEGRITY OF THE HYDROMULCH IS DAMAGED, USE RECP TO REPAIR THOSE AREAS. USE SEED IN AREAS THAT ARE DAMAGED AT THE RATE SPECIFIED.
7. USE BIODEGRADABLE FIBER WATTLES ON SLOPE ELEVATION CHANGES OF 5' OR MORE AND AT ALL TOE OF SLOPES. DIG A 2-4" TRENCH, STAKE FIBER WATTLES USING 1"x2"x18" WOOD STAKES AT BOTH ENDS AND EVERY 2' ALONG THE ROLL. OVERLAP FIBER WATTLES, WHERE NEEDED, BY 18" MINIMUM.
8. MONITOR SITE FOR ANY EROSION THAT MAY OCCUR. CAREFULLY INSPECT THE FILL SLOPES FOR RILLS OR SLUFFING OFF FROM THE SLOPES CAUSED BY RAIN, SNOW, OR WILDFIRE. MONITORING SHALL BE DONE AFTER EACH RAIN STORM OR MONTHLY, WHICHEVER IS GREATER. ANY ISSUES SHALL BE RESOLVED BY CONTRACTOR WITHIN 48HRS OR AS CONDITIONS ALLOW. MONITOR SITE FOR THE DURATION OF THE PROJECT AND REMOVE TEMPORARY BMPS WHEN FINAL STABILIZATION IS COMPLETE.

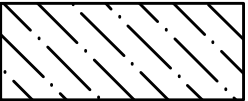
SEED SPECIES AND APPLICATION RATE:

SEED SPECIES AND APPLICATION RATE SHALL BE THE FOLLOWING AND OBTAINED FROM PINEVIEW HORTICULTURAL SERVICES @ 208-772-7294 (PATRICK ZIMMER). RATES ARE FOR PURE LIVE SEED.

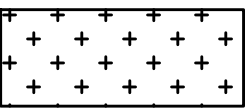
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



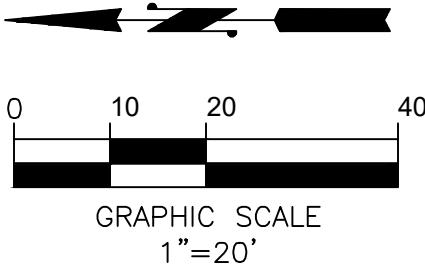
HYDROSEED



DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 10,065 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	4,535 SF
DRILL SEED	5,530 SF

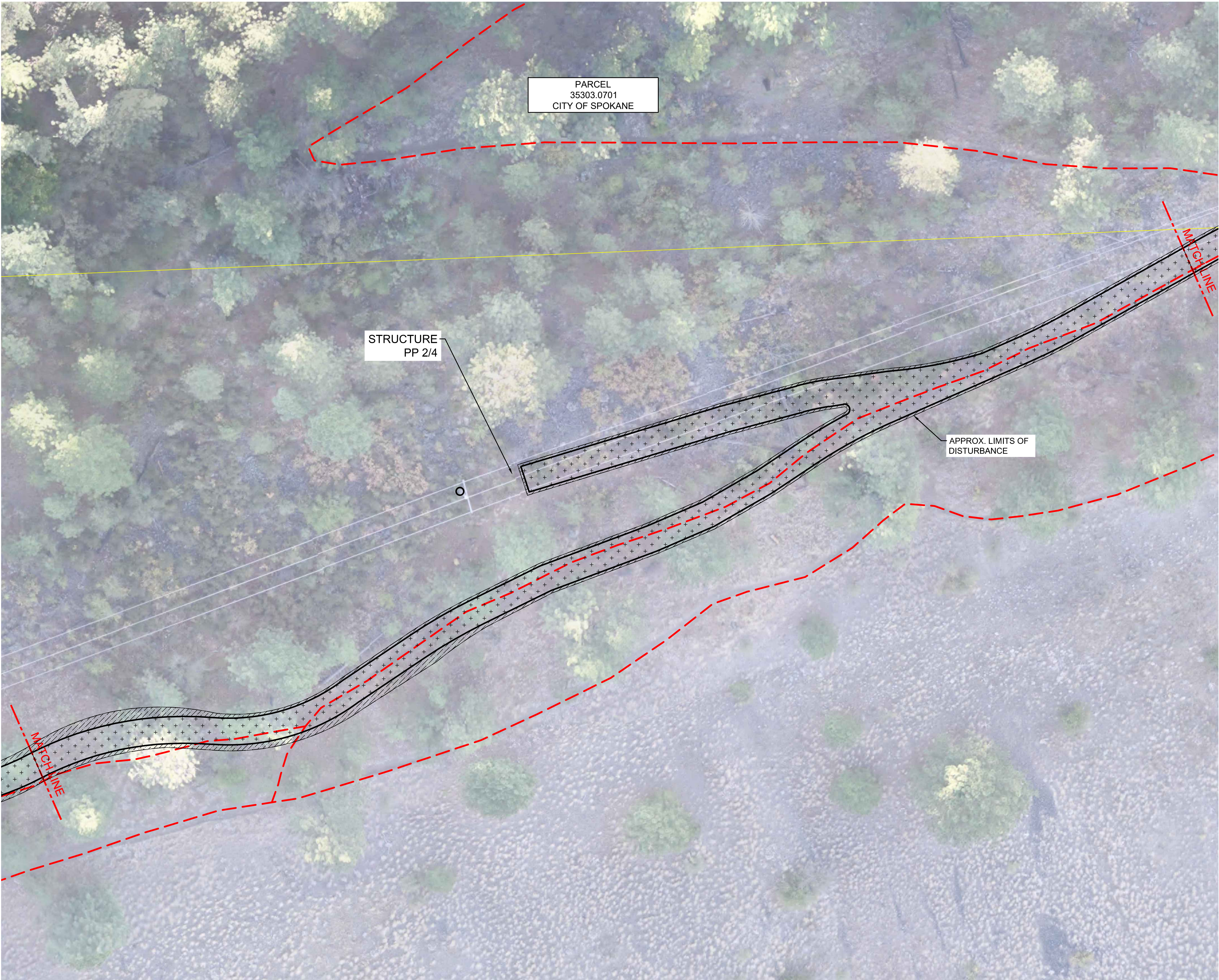


SITE RESTORATION - POLE 2/3

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023
Sheet	21



STRUCTURE - PP 2/4

- RESTORATION NOTES:
1. HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
 2. DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
 3. APPLY PROFILE PRODUCTS, PROAGANICS DUAL, AT A SPECIFIED RATE OF 5500#/ACRE AFTER SEED HAS BEEN APPLIED.
 4. APPLY BioSol Forte AT A RATE OF 1800#/ACRE WITH SEED APPLICATION.
 5. OBTAIN A SOIL TEST FROM 3 DIFFERENT LOCATIONS ALONG THE TRANSMISSION CORRIDOR AND SEND TO NORTHWEST AGRICULTURAL CONSULTANTS FOR FERTILIZER RECOMMENDATIONS. INFORM THEM OF THE RATE OF BioSol Forte BEING APPLIED.
 6. USE WESTERN EXCELSIOR, EXCEL CS-3 ALL NATURAL EROSION CONTROL BLANKET, TO ALL SLOPES FOR MAINTENANCE DUE TO SLOPE FAILURES. FILL RILLS OR DAMAGED AREAS WITH SOIL. COMPACT, AND COVER AREA TIGHTLY WITH RECP. TAKE CARE TO MINIMIZE DAMAGE TO THE HYDROMULCH APPLICATION. USE ROUND TOP PINS/U-STAPLES TO ANCHOR RECP. IF THE INTEGRITY OF THE HYDROMULCH IS DAMAGED, USE RECP TO REPAIR THOSE AREAS. USE SEED IN AREAS THAT ARE DAMAGED AT THE RATE SPECIFIED.
 7. USE BIODEGRADABLE FIBER WATTLES ON SLOPE ELEVATION CHANGES OF 5' OR MORE AND AT ALL TOE OF SLOPES. DIG A 2-4" TRENCH, STAKE FIBER WATTLES USING 1"x2"x18" WOOD STAKES AT BOTH ENDS AND EVERY 2' ALONG THE ROLL. OVERLAP FIBER WATTLES, WHERE NEEDED, BY 18" MINIMUM.
 8. MONITOR SITE FOR ANY EROSION THAT MAY OCCUR. CAREFULLY INSPECT THE FILL SLOPES FOR RILLS OR SLUFFING OFF FROM THE SLOPES CAUSED BY RAIN, SNOW, OR WILDFIRE. MONITORING SHALL BE DONE AFTER EACH RAIN STORM OR MONTHLY, WHICHEVER IS GREATER. ANY ISSUES SHALL BE RESOLVED BY CONTRACTOR WITHIN 48HRS OR AS CONDITIONS ALLOW. MONITOR SITE FOR THE DURATION OF THE PROJECT AND REMOVE TEMPORARY BMPS WHEN FINAL STABILIZATION IS COMPLETE.

SEED SPECIES AND APPLICATION RATE:

SEED SPECIES AND APPLICATION RATE SHALL BE THE FOLLOWING AND OBTAINED FROM PINEVIEW HORTICULTURAL SERVICES @ 208-772-7294 (PATRICK ZIMMER). RATES ARE FOR PURE LIVE SEED.

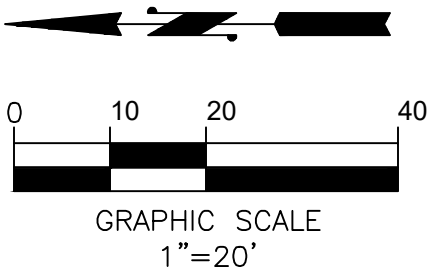
HYDROSEED MIXTURE:	
Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.

	HYDROSEED
	DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 7,935 SF

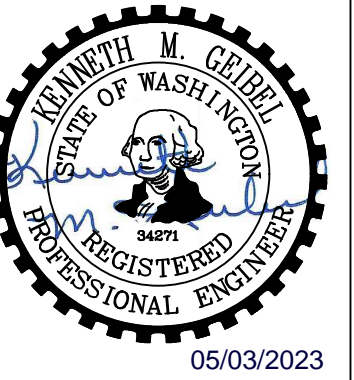
APPROXIMATE SEEDING AREAS:	
HYDROSEED	1,650 SF
DRILL SEED	6,285 SF



REVISIONS	
No.	Description

SITE RESTORATION - POLE 2/4

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



DAVID EVANS
AND ASSOCIATES INC.

908 N. Howard St., Suite 300
Spokane Washington 99201
Phone: 509.327.8897

Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	-
Date	5/02/2023
Sheet	22

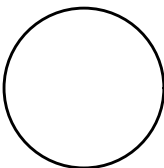
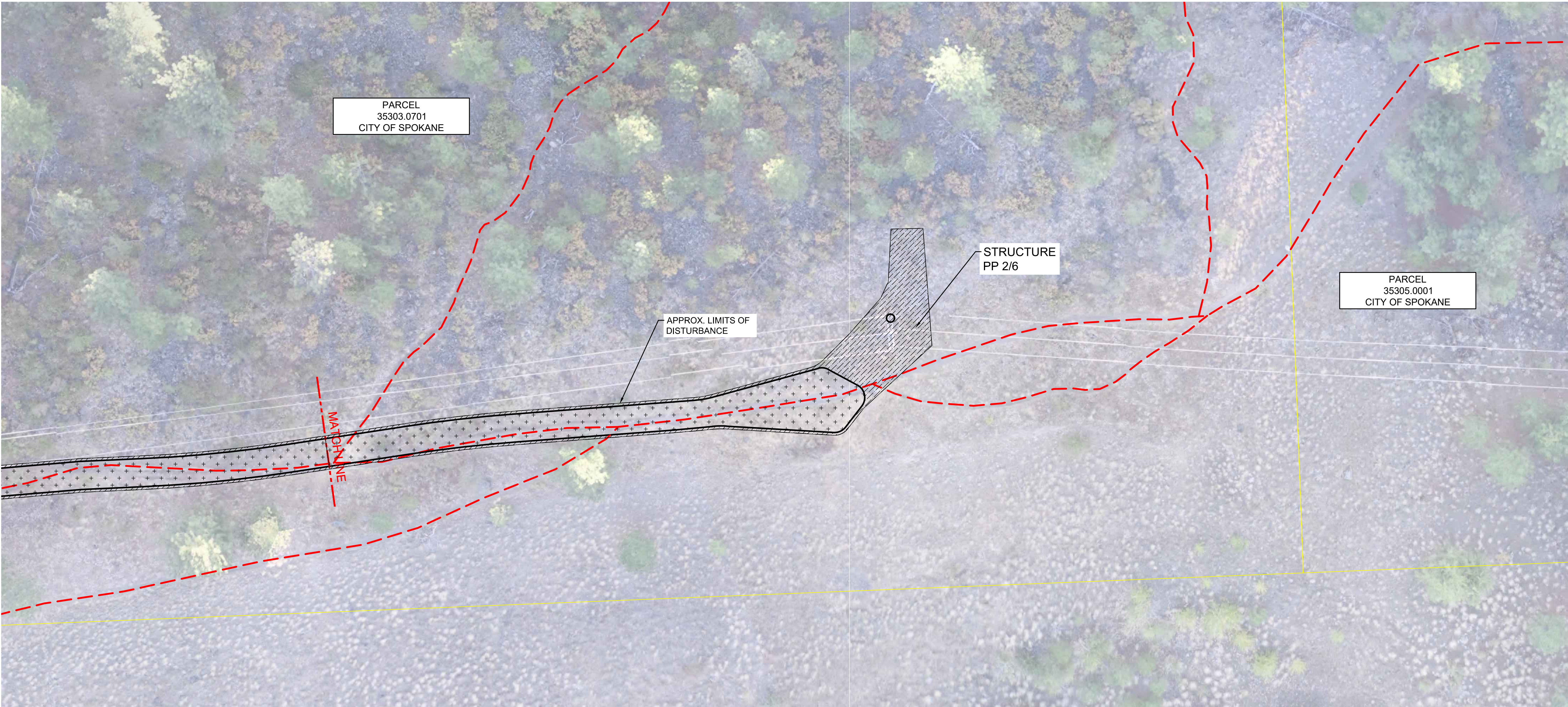


DRILL SEED

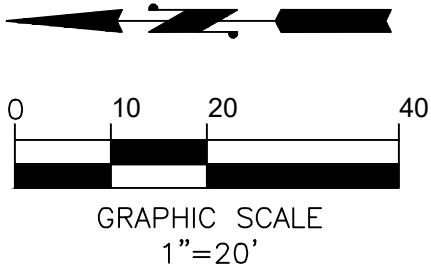
APPROXIMATE SEEDING AREAS:

HYDROSEED	1,010 SF
DRILL SEED	5,600 SF

23 of 26 Sheets



STRUCTURE - PP 2/6



RESTORATION NOTES:

- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
- DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
- APPLY PROFILE PRODUCTS, PROAGANICS DUAL, AT A SPECIFIED RATE OF 5500#/ACRE AFTER SEED HAS BEEN APPLIED.
- APPLY BioSol Forte AT A RATE OF 1800#/ACRE WITH SEED APPLICATION.
- OBTAIN A SOIL TEST FROM 3 DIFFERENT LOCATIONS ALONG THE TRANSMISSION CORRIDOR AND SEND TO NORTHWEST AGRICULTURAL CONSULTANTS FOR FERTILIZER RECOMMENDATIONS. INFORM THEM OF THE RATE OF BioSol Forte BEING APPLIED.
- USE WESTERN EXCELSIOR, EXCEL CS-3 ALL NATURAL EROSION CONTROL BLANKET, TO ALL SLOPES FOR MAINTENANCE DUE TO SLOPE FAILURES. FILL RILLS OR DAMAGED AREAS WITH SOIL, COMPACT, AND COVER AREA TIGHTLY WITH RECP. TAKE CARE TO MINIMIZE DAMAGE TO THE HYDROMULCH APPLICATION. USE ROUND TOP PINS/U-STAPLES TO ANCHOR RECP. IF THE INTEGRITY OF THE HYDROMULCH IS DAMAGED, USE RECP TO REPAIR THOSE AREAS. USE SEED IN AREAS THAT ARE DAMAGED AT THE RATE SPECIFIED.
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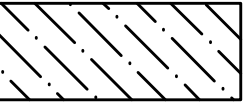
SEED SPECIES AND APPLICATION RATE:

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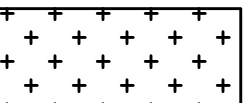
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.



HYDROSEED



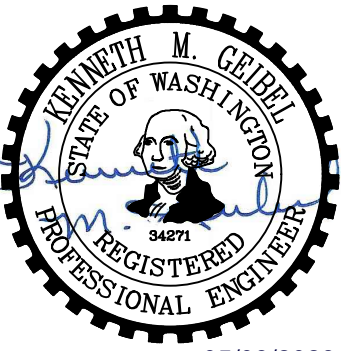
DRILL SEED

APPROXIMATE AREA OF DISTURBANCE: 3,825 SF

APPROXIMATE SEEDING AREAS:	
HYDROSEED	1,625 SF
DRILL SEED	2,200 SF

SITE RESTORATION - POLE 2/6

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



Job No. AVST0051

Designed KMG

Drawn -

Checked

Date 5/02/2023

Sheet

24

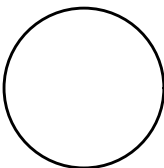
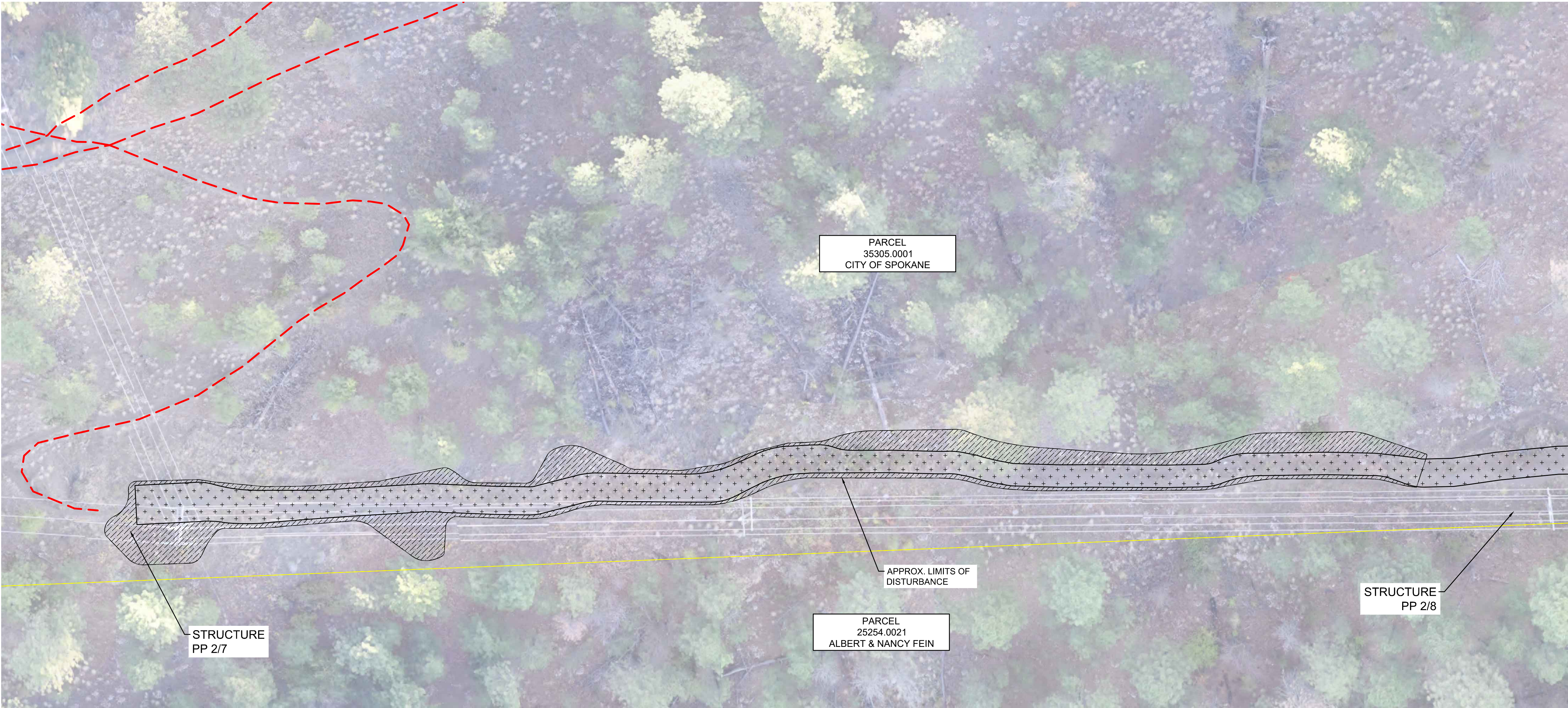
24 of 26 Sheets

REVISIONS

Description

Date

No. Initial



STRUCTURE - PP 2/7 & 2/8

RESTORATION NOTES:

- HYDROSEED ALL AREAS WITH SLOPES GREATER THAN 3'(H):1'(V) WITH A THIN TRACE OF MULCH OF NO MORE THAN 250#/ACRE.
- DRILL SEED ALL AREAS OF SLOPES LESS THAN 3'(H):1'(V) AND ARE SAFE TO DO SO.
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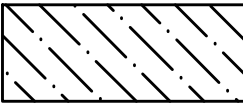
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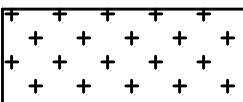
HYDROSEED MIXTURE:

Bluebunch WG/Snake River	5 lbs
Idaho Fescue WG	5 lbs
Sandberg Bluegrass	4 lbs
Basin Wildrye/Blue Wildrye	3 lbs
Yarrow	1 lb
Bitterbrush	1 lb
Balsam Root-Arrow Leaf	1 lb

DRILL SEED SHALL BE HALF THE RATE FOR HYDROSEED MIXTURE.

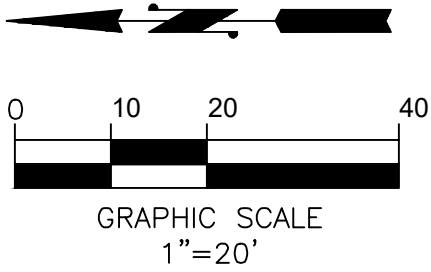


HYDROSEED



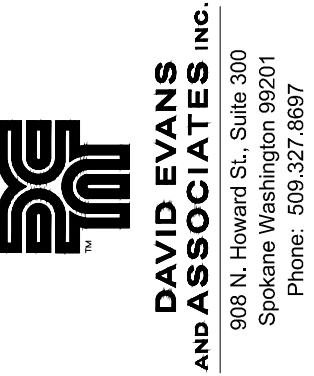
DRILL SEED

APPROXIMATE SEEDING AREAS:	
HYDROSEED	3,400 SF
DRILL SEED	5,600 SF



SITE RESTORATION - POLE 2/7 & 2/8

Avista Utilities
Metro - Sunset Transmission Line Upgrade
City of Spokane, WASHINGTON



Job No.	AVST0051
Designed	KMG
Drawn	-
Checked	
Date	5/02/2023

REVISIONS

No.	Initial	Date	Description
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