



## Magan Waltari

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**From:** Shonda Shipman  
**Sent:** Thursday, July 9, 2020 11:42 AM  
**To:** Magan Waltari  
**Subject:** RE: Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

Approved.

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**From:** Magan Waltari <maganw@ridewta.com>  
**Sent:** Thursday, July 9, 2020 11:29 AM  
**To:** Shonda Shipman <ShondaS@ridewta.com>  
**Subject:** FW: Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

**Magan Waltari, CPPB, CPSM**  
Procurement & Grants Coordinator  
Disadvantaged Business Enterprise Liaison Officer  
*Whatcom Transportation Authority*  
**Office: (360) 788-9332**

*E-mail to and from this address may be subject to public disclosure under Washington's Public Records Act.*

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**From:** Mike Bozzo <[MikeB@ridewta.com](mailto:MikeB@ridewta.com)>  
**Sent:** Thursday, July 9, 2020 11:22 AM  
**To:** Magan Waltari <[maganw@ridewta.com](mailto:maganw@ridewta.com)>  
**Subject:** RE: Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

I approve.

Thanks,

**Mike Bozzo**  
Fleet and Facilities Director  
*Whatcom Transportation Authority*  
4011 Bakerview Spur  
Bellingham, WA 98226  
p: 360-788-9351/ c:360-746-4135/ f:360-788-9551  
[mikeb@ridewta.com](mailto:mikeb@ridewta.com)

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**From:** Magan Waltari <[maganw@ridewta.com](mailto:maganw@ridewta.com)>  
**Sent:** Thursday, July 9, 2020 11:19 AM  
**To:** Mike Bozzo <[MikeB@ridewta.com](mailto:MikeB@ridewta.com)>  
**Subject:** FW: Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

**Magan Waltari, CPPB, CPSM**  
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**From:** Cindy Campen <[CindyC@ridewta.com](mailto:CindyC@ridewta.com)>  
**Sent:** Thursday, July 9, 2020 10:01 AM  
**To:** Magan Waltari <[maganw@ridewta.com](mailto:maganw@ridewta.com)>  
**Subject:** Re: Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

Yes, looks good. I approve the contract modification.

Thank you,

Cindy Campen  
WTA

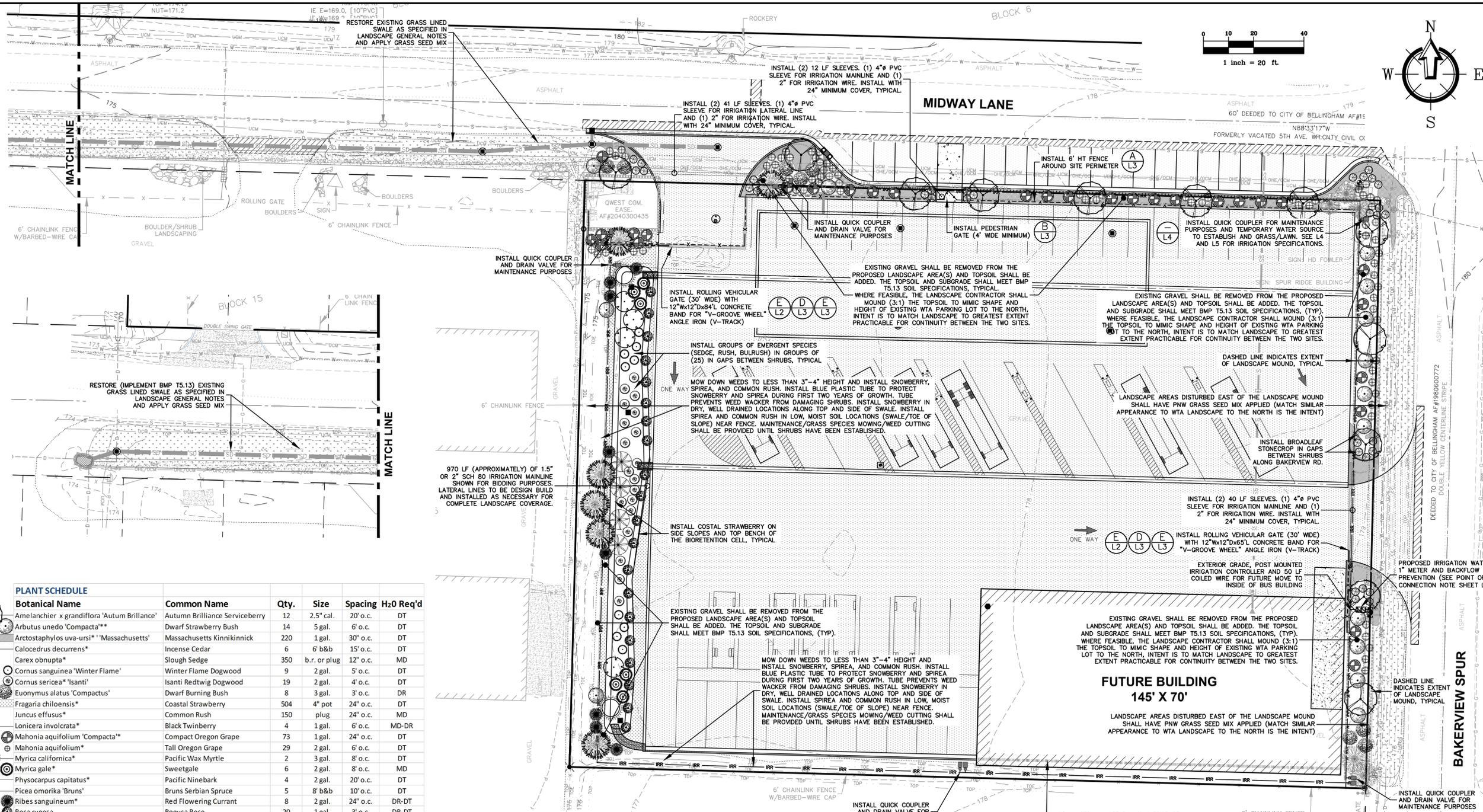
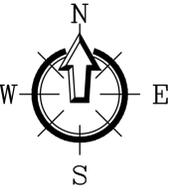
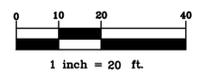
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**From:** Magan Waltari <[maganw@ridewta.com](mailto:maganw@ridewta.com)>  
**Sent:** Thursday, July 9, 2020 9:29:11 AM  
**To:** Cindy Campen <[CindyC@ridewta.com](mailto:CindyC@ridewta.com)>  
**Subject:** Please Approve - PROSCAPES - WTA Modification 4 OF AGREEMENT 2020.pdf

BY: SCR	DESCRIPTION: LANDSCAPE REVISION AND IRRIGATION ADDED.
DATE: 5/7/2018	
REV: 1	
CLIENT: WHATCOM TRANSPORTATION AUTHORITY	
PROJECT LOCATION: WTA MIDWAY PARKING LOT	
LOCATION: BAKERVIEW SPUR, BELLINGHAM, WA 98226	
DRAWN BY: SR	CHECKED BY: JS
DRAWING #: 15199SR17.DWG	DESIGNED BY: MM
CALL BEFORE YOU DIG FOR BURIED UTILITY LOCATIONS 1-800-424-5655	

PROJECT LOCATION: WTA MIDWAY PARKING LOT	
LOCATION: BAKERVIEW SPUR, BELLINGHAM, WA 98226	
DRAWN BY: SR	CHECKED BY: JS
DRAWING #: 15199SR17.DWG	DESIGNED BY: MM

<b>LANDSCAPE PLAN</b>	
SCOTT CHRISTOPHER RIGGINS CERTIFICATE NO. 1254	
JOB #: 15199	DATE: 01-24-19
SCALE: HORIZ: 1"=20'	SHEET: L1
VERT: N/A	



PLANT SCHEDULE						
Botanical Name	Common Name	Qty.	Size	Spacing	H <sub>2</sub> O Req'd	
Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	12	2.5" cal.	20' o.c.		DT
Arbutus unedo 'Compacta'	Dwarf Strawberry Bush	14	5 gal.	6' o.c.		DT
Arctostaphylos uva-ursi 'Massachusetts'	Massachusetts Kinnikinnick	220	1 gal.	30' o.c.		DT
Calocedrus decurrens*	Incense Cedar	6	6" b&b	15' o.c.		DT
Carex obnupta*	Slough Sedge	350	b.r. or plug	12" o.c.		MD
Cornus sanguinea 'Winter Flame'	Winter Flame Dogwood	9	2 gal.	5' o.c.		DT
Cornus sericea 'Isanti'	Isanti Redtwig Dogwood	19	2 gal.	4' o.c.		DT
Euonymus alatus 'Compactus'	Dwarf Burning Bush	8	3 gal.	3' o.c.		DR
Fragaria chiloensis*	Coastal Strawberry	504	4" pot	24" o.c.		DT
Juncus effusus*	Common Rush	150	plug	24" o.c.		MD
Lonicera involucrata*	Black Twinberry	4	1 gal.	6' o.c.		MD-DR
Mahonia aquifolium 'Compacta'	Compact Oregon Grape	73	1 gal.	24" o.c.		DT
Mahonia aquifolium*	Tall Oregon Grape	29	2 gal.	6' o.c.		DT
Myrica californica*	Pacific Wax Myrtle	2	3 gal.	8' o.c.		DT
Myrica gale*	Sweetgale	6	2 gal.	8' o.c.		MD
Physocarpus capitatus*	Pacific Ninebark	4	2 gal.	20' o.c.		DT
Picea omorika 'Bruns'	Brun's Serbian Spruce	5	8" b&b	10' o.c.		DT
Ribes sanguineum*	Red Flowering Currant	8	2 gal.	24" o.c.		DR-DT
Rosa rugosa	Rogusa Rose	20	1 gal.	3' o.c.		DR-DT
Scirpus acutus*	Hardstem Bulrush	300	b.r. or plug	12" o.c.		MD
Scirpus microcarpus*	Small Fruited Bulrush	300	b.r. or plug	12" o.c.		MD
Sedum spathulifolium*	Broad-leaved Stonecrop	90	4" pot	24" o.c.		DT
Spiraea douglasii*	Western Spiraea	100	1 gal.	4' o.c.		DT
Spiraea japonica 'Walburna'	Magic Carpet Spiraea	32	1 gal.	2.5' o.c.		DT
Symphoricarpos albus*	Snowberry	100	1 gal.	3' o.c.		DT
PNW Grass Seed Mix	approx. 6,500 SF of Lawn/Grass	26 LBS	4LBS/1000SF			MD

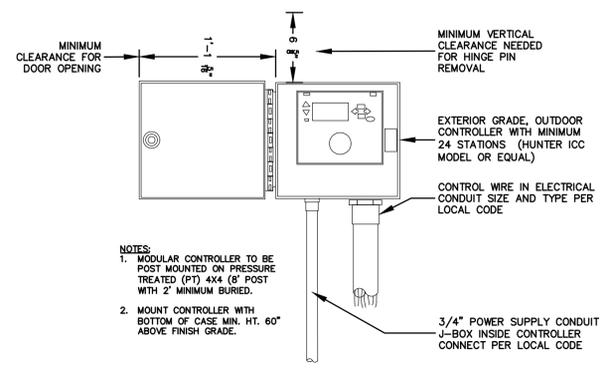
- NOTES:**
- DT = DROUGHT TOLERANT AND DR = DROUGHT RESISTANT AFTER 2-YEAR ESTABLISHMENT PERIOD.
  - MD = MOISTURE DEPENDENT (TYPICALLY FOUND IN MOIST SOIL CONDITIONS).
  - PLANTS SHOWN WITH ASTERISK (\*) ARE NATIVE TO THE PACIFIC NORTHWEST PUGET SOUND LOWLAND REGION.
  - CLUSTER ROSE SHALL BE INSTALLED IN LOW, MOIST SOIL LOCATIONS. NOOTKA TO BE PLACED IN DRY, WELL DRAINED SOILS.
  - QUANTITIES LISTED ABOVE IN PLANT SCHEDULE INCLUDE BIORETENTION PLANTS.
  - STREET TREES SHALL BE 10' HT AT TIME OF PLANTING AND MINIMUM 2.5" CALIPER.

- LANDSCAPE TEMPORARY IRRIGATION NOTES:**
- THE IRRIGATION SYSTEM SHALL BE LANDSCAPE CONTRACTOR DESIGN/BUILD WITH BELOW GRADE, MAINLINE PIPE PROVIDING WATER TO CONTROLLED ZONES. ZONE CONTROL VALVES SHALL BE HARD WIRED, MP ROTOR IRRIGATION HEADS SHALL BE INSTALLED AS WELL AS SEVERAL BELOW GRADE QUICK CONNECT HOSE CONNECTIONS FOR WINTERIZATION AND OTHER MAINTENANCE PURPOSES. FOR BIDDING PURPOSES, ASSUME A TOTAL OF FIVE (5) QUICK CONNECT HOSE CONNECTIONS (QUICK COUPLERS) ARE TO BE INSTALLED.
  - THERE SHALL BE NO DRIP LINE IRRIGATION COMPONENTS INSTALLED. THE SPECIFICATIONS SHOWN ON SHEETS L6 AND L7 REFER TO STANDARD SPECIFICATIONS WHICH REFERENCE BLANK POLY AND TUBING FITTINGS. DO NOT INSTALL ANY BLANK POLY OR BARBED FITTINGS FOR THIS PROJECT UNLESS OTHERWISE APPROVED IN WRITING BY LANDSCAPE ARCHITECT.
  - STATIC PRESSURE ALONG BAKERVIEW SPUR ROAD WATERMAIN PER CITY OF BELLINGHAM IS NOTED TO BE 138 PSI. CONTRACTOR SHALL TARGET ZONES WITH A MINIMUM 65 PSI AND MINIMUM ZONE FLOW RATE OF 80 GPM TO 100 GPM. DEVIATION OF THE AFOREMENTIONED ZONE LIMITS SHALL BE APPROVED BY LANDSCAPE ARCHITECT IN WRITING.
  - AN IRRIGATION WATER (DEDUCT) METER AND BACKFLOW PREVENTION SHALL BE INSTALLED (REQUIRED). ASSUME 1" SIZE METER AND 1" BACKFLOW PREVENTION WILL SUFFICE. BACKFLOW PREVENTION (BCVA) SHALL BE INSTALLED IN BELOW GRADE VAULT BY LANDSCAPE CONTRACTOR. POINT OF CONNECTION SHALL INCLUDE MASTER SHUT OFF VALVE PRIOR TO THE BCVA AND MAINTENANCE VALVE SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE BCVA. AT THE POINT OF CONNECTION (POC) (OUTSIDE THE FOOT PRINT OF THE FUTURE BUILDING) THE LANDSCAPE CONTRACTOR SHALL SUPPLY THE FOLLOWING:
    - 1" MASTER SHUT-OFF VALVE
    - 1" DOUBLE CHECK VALVE ASSEMBLY
    - 1" MAINTENANCE VALVE
    - MAINLINE TO LATERAL LINES AND/OR QUICK COUPLERS SHOWN SHALL BE 1.5" UP TO 2" IF NECESSARY.
  - GENERAL CONTRACTOR SHALL PROVIDE POWER TO POST MOUNTED IRRIGATION CONTROL PANEL LOCATION. LANDSCAPE CONTRACTOR SHALL VERIFY WITH CONTRACTOR LOCATION OF CONTROLLER(S) AND CONFIRM POWER HAS BEEN ESTABLISHED PRIOR TO LANDSCAPE WORK.
  - MAINLINE PIPE DEFINED AS PIPING DOWNSTREAM FROM IRRIGATION POINT OF CONNECTION (SHUT-OFF VALVE UPSTREAM FROM DOUBLE CHECK VALVE ASSEMBLY) TO QUICK COUPLERS AND/OR ZONE CONTROL VALVES, OR DRAIN VALVES. PIPING IS UNDER CONSTANT PRESSURE. 2" MIN. COVER REQUIRED OVER MAINLINE PIPING. MAINLINE PIPE SHALL BE NO LESS THAN 1.5-INCH SCHEDULE 80 PVC UP TO 2-INCH IF NECESSARY TO MAINTAIN REQUIRED GPM AT FURTHEST ZONE. LATERAL PIPING SHALL BE 1-INCH MINIMUM AND SHALL HAVE A MINIMUM 18" COVER REQUIRED OVER LATERAL LINES TO SPRAY HEADS/MP ROTOR.
  - QUICK COUPLERS SHALL BE 1" WITH KEYED INSERT FOR ATTACHING EITHER 1" PIPE OR THREADED 1" TO 3/4" HOSE ADAPTERS.

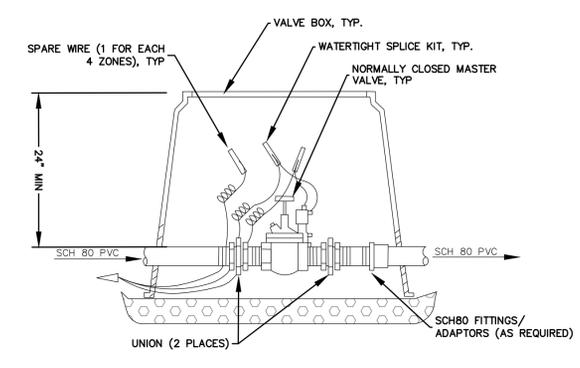
**GRASS LINED SWALE SEED MIX OR EQUAL**

SEED TYPE	%
MEADOW FESCUE (FESTUCA ELATOR)	75.0%
CREeping BENTGRASS (AROTIS PALUSTRIS)	10.0%
REDTOP BENTGRASS (AGROTIS ALBA)	15.0%

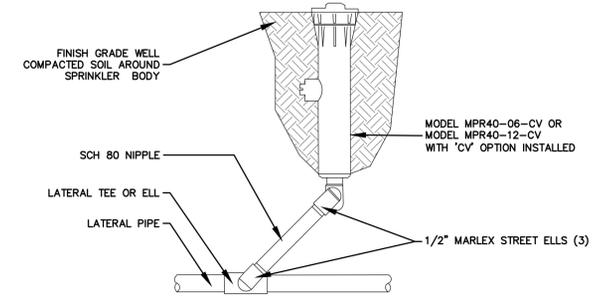
SEED SHALL BE 98%-90% PURE AND SHALL HAVE A GERMINATION RATE OF 90%-80%



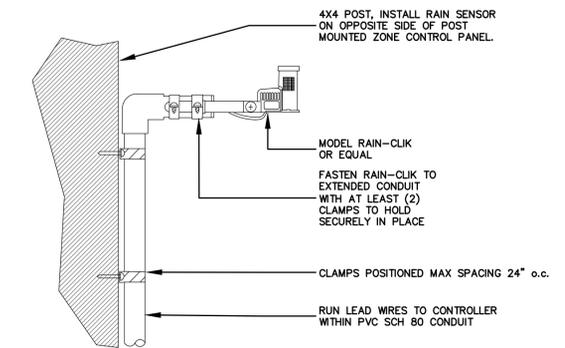
**A** IRRIGATION CONTROLLER  
nts



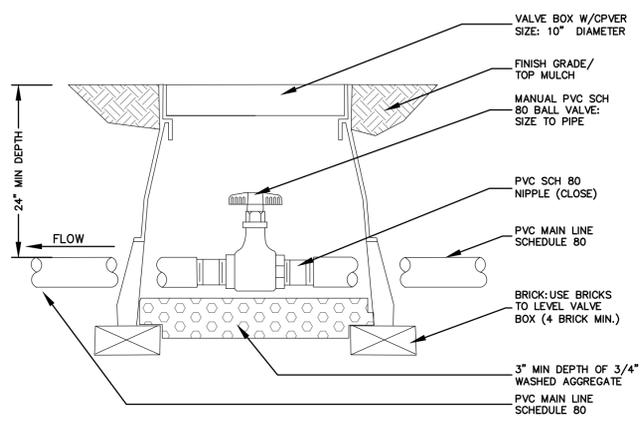
**B** MASTER VALVE  
nts



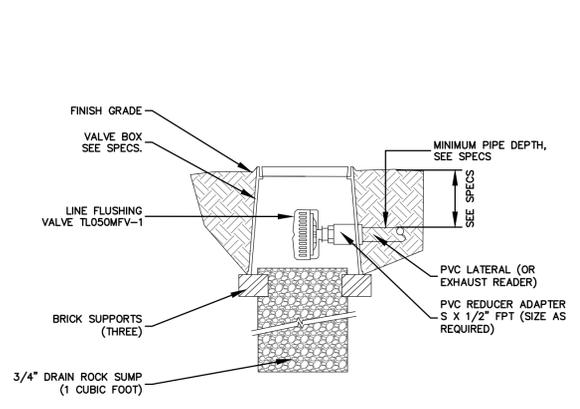
**C** SPRINKLER HEAD/ROTOR  
nts



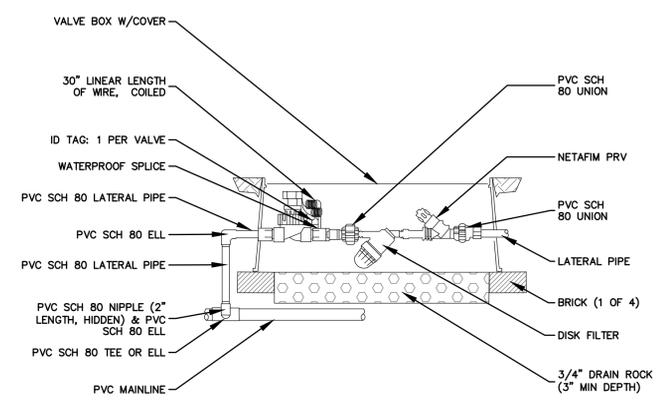
**D** RAIN SENSOR  
nts



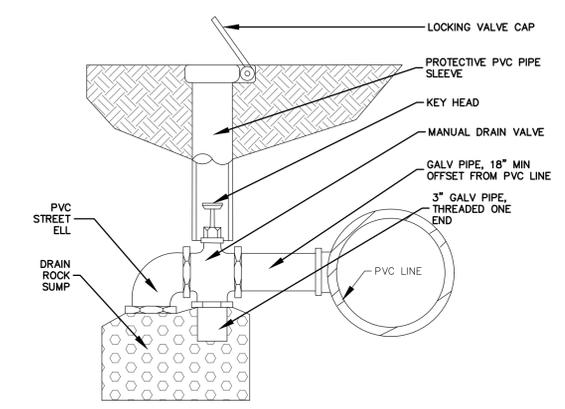
**E** IRRIGATION BALL VALVE  
nts



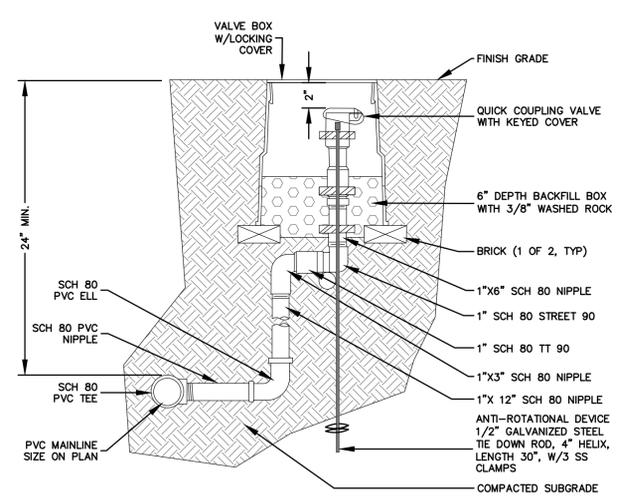
**F** AUTOMATIC FLUSH VALVE  
nts



**G** CONTROL ZONE KIT  
nts



**H** MANUAL DRAIN  
nts



**I** 1\"/>

220 West Champion Street, Suite 200  
Bellingham, WA 98225  
t: 360.650.1408  
f: 360.650.1401

**FREELAND & ASSOCIATES**

BY:	SCR
DATE:	4/30/2018
DESCRIPTION:	IRRIGATION SPECIFICATIONS ADDED.
REV:	1

**WHATCOM TRANSPORTATION AUTHORITY**  
4011 BAKERVIEW SPUR  
BELLINGHAM, WA 98226

CALL BEFORE YOU DIG  
FOR BURIED UTILITY LOCATIONS  
1-800-424-5655

**WTA MIDWAY PARKING LOT**  
BAKERVIEW SPUR  
BELLINGHAM, WA 98226

DRAWN BY: SR  
CHECKED BY: JS

**IRRIGATION DETAILS**

STATE OF WASHINGTON  
REGISTERED LANDSCAPE ARCHITECT  
SCOTT CHRISTOPHER RIGGS  
CERTIFICATE NO. 1254

JOB #:	15199	DATE:	01-24-19
SCALE:	N/A	SHEET:	L5
HORIZ:	N/A	VERT:	N/A

BID SET