sidewalk. It appears that the walkway may have conflicts with the existing retaining wall/fence. As noted on the civil plan set, more information is needed to ensure the Ground cover required walkway does not conflict with the wall and within all landscape fencing. Landscape plan for this planter islands. (Landscape needs to be adjusted to show landscaping Plan, Sheet L100) within the planter with the new walkway (not overlaid). (Landscape Plan, Sheet L100) **EAST MAIN** EXISTING PERIMETER — ANDSCAPING, CURB, FENCE, BERM & WALL TO REMAIN - EXISTING PERIMETER LANDSCAPING, CURB, FENCE, WARRENCE PROPERTY LINE — _ LIMIT OF SITE WORK ____ BERM & WALL TO REMAIN ADJACENT ZONING: CG - GENERAL COMMERCIAL SEE LANDSCAPE PLAN ENLARGEMENT & PLANT - SEE LANDSCAPE PLAN — (1) ROW OF SOIL CELLS PER — EDGE OF STORM TANK _ENLARGEMENT & PLANT _CITY REQUIREMENT (TYP.) SCHEDULE ON SHEET L101 SCHEDULE ON SHEET L101 **ADJACENT** ZONING: RS-06 - URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ADJACENT ZONING ED MANUFACTURIN ADJACENT ZONING: RS-06 - URBAN DENSITY SINGLE-FAMILY RESIDENTIAL ZONING: RS-06 - URBAN DENSITY SINGLE-FAMILY **EXISTING** RESIDENTIAL BUILDING **ADJACENT** ZONING: LIMITED MANUFACTURING (ML) ADJACENT ZONING: LIMITED MANUFACTURING (ML)

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EAST MAIN PUYALLUP WAREHOUSE- RED DOT TI

E MAIN ST PUYALLUP, WASHINGTON

05/09/2022 PERMIT SUBMITTAL

SUBJECT PARCEL ZONING: LIMITED MANUFACTURING (ML)

ADJACENT ZONING: AS NOTED ON THE PLAN.

LANDSCAPE DATA TABLE

STANDARDS (NOV. 2015).

SITE PAVING (ASPHALT AND CONCRETE FLATWORK) AREA: 35,005 SF

THE FOLLOWING TABLE IS PROVIDED FOR LANDSCAPE CALCULATIONS INDICATED IN THE CITY OF PUYALLUP ZONING CODE CHAPTER 20.58 LANDSCAPE REQUIREMENTS AND THE CITY'S VEGETATION MANAGEMENT

PARKING / MANEUVERING LANDSCAPE AREA REQUIRED (@ 10%): 3,501 SF

PARKING / MANEUVERING AREA LANDSCAPE: 4,519 SF

NOTES

- 1. SEE SHEETS L102 FOR IRRIGATION PLAN.
- 2. SEE SHEET L101 FOR LANDSCAPE PLAN ENLARGEMENT AND PLANT SCHEDULE.
- 3. SEE SHEETS L501 TO L502 FOR LANDSCAPE DETAILS AND SPECIFICATIONS.
- 4. SEE SHEET L503 FOR IRRIGATION DETAILS AND SPECIFICATIONS.

APPROVED FINAL LANDSCAPE PLAN

PLANNING DIVISION

NOTE: THIS APPROVAL IS VOID

AFTER 1 YEAR FROM APPROVAL

PLANS AS DETERMINED BY THE

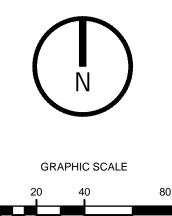
PROJECT PLANNER.

THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS, FIELD CONDITIONS MAY DICTATE CHANGES TO THESE

PLANNING DIRECTOR, DESIGNEE OR

5. ALL LANDSCAPE AREAS SHALL RECEIVE 3" OF MEDIUM FIR BARK MULCH UNLESS OTHERWISE NOTED. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE



1" = 40 FEET

CONTEXT LANDSCAPE PLAN

Proj. No: 2220189 Reviewed By: CDA

L100

Pedestrian walkway must connect to the



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EAST MAIN PUYALLUP WAREHOUSE- RED DOT TI

E MAIN ST PUYALLUP, WAS	ON	
Description:	No:	Date:

41 3 GAL SPACING QTY 1 GAL 24" O.C. 933 SF

B&B 2" CAL

REMARKS

<u>QTY</u>

16

51

106

<u>CONT</u>

2 GAL

2 GAL

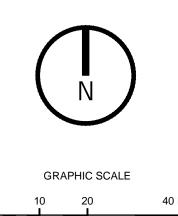
5 GAL

2 GAL

APPROVED FINAL LANDSCAPE PLAN

NOTE: THIS APPROVAL IS VOID

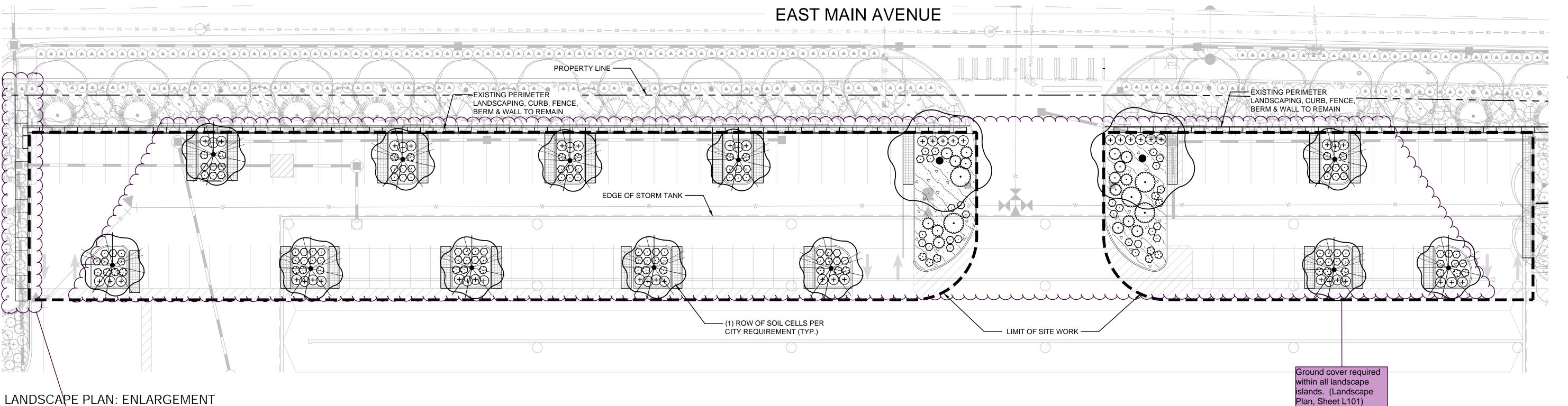
PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNEE OR PROJECT PLANNER.



LANDSCAPE PLAN & **SCHEDULE**

2220189 Reviewed By: CDA

L101



Pedestrian walkway must connect to the sidewalk. It appears that the walkway may have conflicts with the existing retaining wall/fence. As noted on the civil plan set, more information is needed to ensure the walkway does not conflict with the wall and fencing. Landscape plan for this planter needs to be adjusted to show landscaping within the planter with the new walkway (not overlaid). (Landscape Plan, Sheet L101)

PLANT SCHEDULE

SHRUBS

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BOTANICAL NAME CARPINUS BETULUS `FASTIGIATA` ZELKOVA SERRATA `GREEN VASE`

BOTANICAL NAME MAHONIA AQUIFOLIUM

OREGON GRAPE PHYSOCARPUS CAPITATUS PACIFIC NINEBARK PINUS MUGO `SHERWOOD COMPACT` SHERWOOD DWARF MUGO PINE

COMMON NAME

COMMON NAME

PYRAMIDAL EUROPEAN HORNBEAN

GREEN VASE SAWLEAF ZELKOVA

RHODODENDRON AZALEA 'BOW BELLS' AZALEA SPIRAEA JAPONICA `SHIROBANA` SHIROBANA SPIREA

BOTANICAL NAME GROUND COVERS

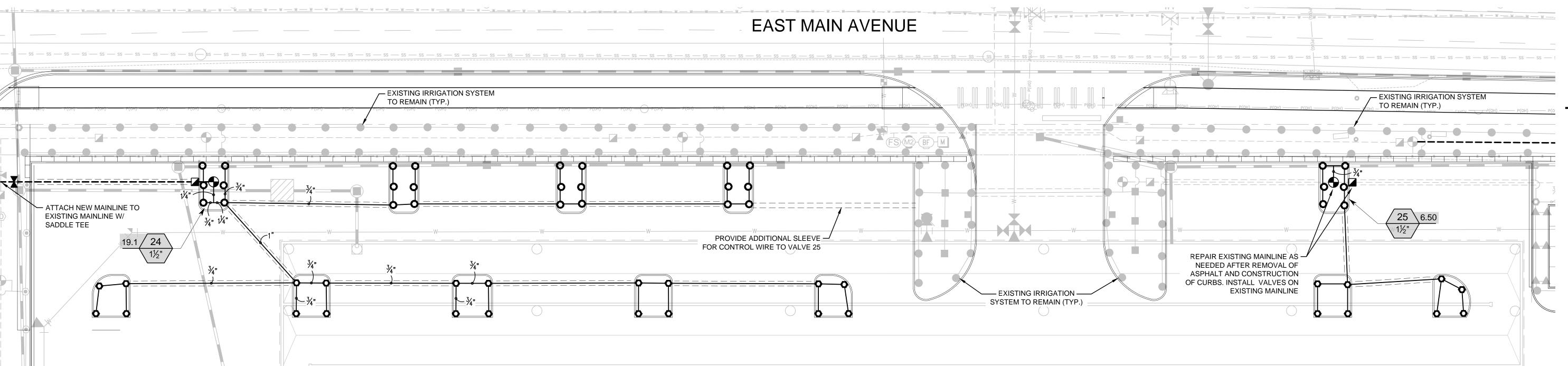
COMMON NAME

ARCTOSTAPHYLOS UVA-URSI 'EMERALD CARPET' EMERALD CARPET MANZANITA

PLANNING DIVISION

AFTER 1 YEAR FROM APPROVAL THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS, FIELD CONDITIONS MAY DICTATE CHANGES TO THESE

1" = 20 FEET



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EAST MAIN PUYALLUP WAREHOUSE- RED DOT TI

E MAIN ST PUYALLUP, WASHINGTON

Description: No: Date:
PERMIT SUBMITTAL 05/09/2022

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	FRICTION LOSS	VALVE LOSS	<u>PSI</u>	PSI @ POC	PRECIP	
1	IRRITROL 700	1"	SHRUB ROTARY	11.44	2.16	2.36	34.52	40.87	0.5 in/h	\neg
2	IRRITROL 700	1"	SHRUB ROTARY	12.05	4.23	2.34	36.56	42.99	0.64 in/h	
3	IRRITROL 700	1"	SHRUB ROTARY	12.79	1.3	2.31	33.61	40.05	0.53 in/h	
4	IRRITROL 700	1"	SHRUB ROTARY	17.02	1.42	2.07	33.49	40.38	0.56 in/h	
5	IRRITROL 700	1"	SHRUB ROTARY	15.46	1.83	2.19	34.03	40.37	0.57 in/h	
5	IRRITROL 700	1"	SHRUB ROTARY	17.16	2.03	2.06	34.09	42.01	0.64 in/h	
7	IRRITROL 700	1"	SHRUB ROTARY	20.41	1.82	1.9	33.71	40.94	0.56 in/h	
3	IRRITROL 700	1"	SHRUB ROTARY	19.77	1.5	1.86	33.36	40.96	0.47 in/h	
9	IRRITROL 700	1"	SHRUB ROTARY	20.56	5.74	1.92	37.66	45.5	0.61 in/h	
10	IRRITROL 700	1"	SHRUB ROTARY	19.33	1.54	1.89	33.43	41.06	0.56 in/h	
1	IRRITROL 700	1"	SHRUB ROTARY	15.66	2.17	2.18	34.35	41.36	0.4 in/h	
2	IRRITROL 700	1"	SHRUB ROTARY	16.10	2.38	2.14	34.53	41.66	0.38 in/h	EXISTING ⁻
3	IRRITROL 700	1"	SHRUB ROTARY	15.82	1.36	2.17	33.53	40.66	0.41 in/h	REMAIN
14	IRRITROL 700	1"	SHRUB ROTARY	18.22	1.75	1.98	33.73	41.35	0.48 in/h	
15	IRRITROL 700	1"	SHRUB ROTARY	13.64	1.45	2.28	33.73	40.49	0.58 in/h	
16	IRRITROL 700	1"	SHRUB ROTARY	12.96	1.78	2.3	34.09	40.69	0.55 in/h	
7	IRRITROL 700	1"	SHRUB ROTARY	15.97	4.63	2.15	36.79	43.91	0.58 in/h	
18	IRRITROL 700	1"	SHRUB ROTARY	12.96	1.66	2.3	33.97	40.56	0.56 in/h	
19	IRRITROL 700	1"	SHRUB ROTARY	14.76	4.73	2.24	36.96	43.92	0.58 in/h	
20	IRRITROL 700	1"	SHRUB ROTARY	13.46	3.39	2.29	35.68	42.41	0.63 in/h	
21	IRRITROL 700	1"	SHRUB ROTARY	7.20	0.6	2.07	32.67	38.64	0.53 in/h	
22	IRRITROL 700	1"	SHRUB ROTARY	11.78	3.17	2.35	35.52	41.96	0.66 in/h	
23	IRRITROL 700	1"	SHRUB ROTARY	11.41	2.44	2.36	34.8	41.16	0.66 in/h	
24	IRRITROL 700	1-1/2"	SHRUB ROTARY	19.08	5.83	0.33	36.16	43.77	0.77 in/h	¬ NEW
25	IRRITROL 700	1-1/2"	SHRUB ROTARY	6.50	1.61	0.19	31.79	37.78	0.76 in/h	NEW

CRITICAL ANALYSIS

CRITICAL ANALYS	515
Generated:	2020-12-29 14:22
P.O.C. NUMBER: 01 Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available:	75.00 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	50.00 psi
Elevation Change:	5.00 ft
Service Line Size:	3"
Length of Service Line:	20.00 ft
Pressure Available:	48.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	20.56 gpm
Flow Available at POC:	75.00 gpm
Residual Flow Available:	54.44 gpm
Critical Station:	0
Design Pressure:	9 20.00 poi
Friction Loss:	30.00 psi 5.22 psi
Fittings Loss:	0.52 psi
Elevation Loss:	0.00 psi
Loss through Valve:	1.92 psi
Pressure Req. at Critical Station:	37.66 psi
Loss for Fittings:	0.12 psi
Loss for Main Line:	1.22 psi
Loss for POC to Valve Elevation:	0.00 psi
	= 00 FG.

Loss for Backflow:

Loss for Master Valve:

Loss for Water Meter:

Pressure Available:

Critical Station Pressure at POC:

Residual Pressure Available:

		CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.		
LYSIS	R-VAN18 R-VAN18-360	RAIN BIRD R-VAN18 1806-SAM-P45 SHRUB ROTARY, 13`-18` 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE	30	C (RS)
2020-12-29 14:22		REGULATOR. 1/2" NPT FEMALE THREADED INLET.		D
1-1/2" 75.00 gpm	R-VAN24 R-VAN24-360	RAIN BIRD R-VAN24 1806-SAM-P45 SHRUB ROTARY, 17`-24` 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30	M2 BF FS M
50.00 psi 5.00 ft 3" 20.00 ft 48.00 psi				

A A RAIN BIRD R-VAN-STRIP 1806-SAM-P45

THREADED INLET.

MANUFACTURER/MODEL/DESCRIPTION

R-VAN-LCS R-VAN-RCS SHRUB ROTARY, 5`X15` (LCS AND RCS), 5`X30` (SST) HAND

RAIN BIRD R-VAN14 1806-SAM-P45
SHRUB ROTARY, 8'-14' 45-270 DEGREES AND 360

ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45

PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE

DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 6.0" POP-UP, WITH

 INSTALL ADDITIONAL IRRIGATION CONTROL WIRES FROM NEW VALVES TO IRRIGATION

IRRIGATION SCHEDULE

CONTROLLER AS REQUIRED (TYP.)

	LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY.
¥	MATCO-NORCA 770S PVC WHITE BALL VALVE FOR SCH 40 AND SCH 80 PIPE, SOLVENT SLIP ENDS WITH "T" HANDLE, SAME SIZE AS MAINLINE. 1/2" TO 4".
С	EXISTING RAIN BIRD ESP8LXME WITH (02) ESPLXMSM12 32 STATION COMMERCIAL CONTROLLER.
(RS)	EXISTING RAIN SENSOR
$\langle \mathbb{D} \rangle$	EXISTING DRAIN VALVE
(M2)	EXISTING MASTER VALVE
BF	EXISTING DOUBLE CHECK VALVE ASSEMBLY
(FS)	EXISTING FLOW SENSOR
M	EXISTING WATER METER
	EXISTING IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	EXISTING IRRIGATION MAINLINE: PVC SCHEDULE 40
	EXISTING PIPE SLEEVE: PVC SCHEDULE 40
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
=======	PIPE SLEEVE: PVC SCHEDULE 40
	Valve Callout
# # #	Valve Flow

MANUFACTURER/MODEL/DESCRIPTION

ELECTRIC REMOTE CONTROL VALVE

3/4" BRASS QUICK-COUPLING VALVE, WITH

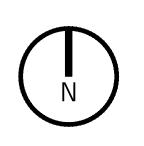
CORROSION-RESISTANT STAINLESS STEEL SPRING,

RAIN BIRD 33-DLRC

<u>SYMBOL</u>

NOTES

- 1. SEE SHEETS L101 FOR LANDSCAPE PLANTING PLAN.
- 2. SEE SHEETS L501 TO L504 FOR LANDSCAPE AND IRRIGATION NOTES AND DETAILS.
- CONTRACTOR SHALL FIELD VERIFY AND DOCUMENT CONDITION AND COVERAGE OF EXISTING IRRIGATION SYSTEM IN AREAS OF LANDSCAPE TO REMAIN. COVERAGE IN LANDSCAPE AREAS TO REMAIN SHALL MEET EXISTING COVERAGE CONDITION AFTER INSTALLATION OF NEW SYSTEM COMPONENTS.



1" = 20 FEET

IRRIGATION PLAN

GRAPHIC SCALE

Proj. No: 2220189 Reviewed By: CDA

10 20 40 FEET

L102

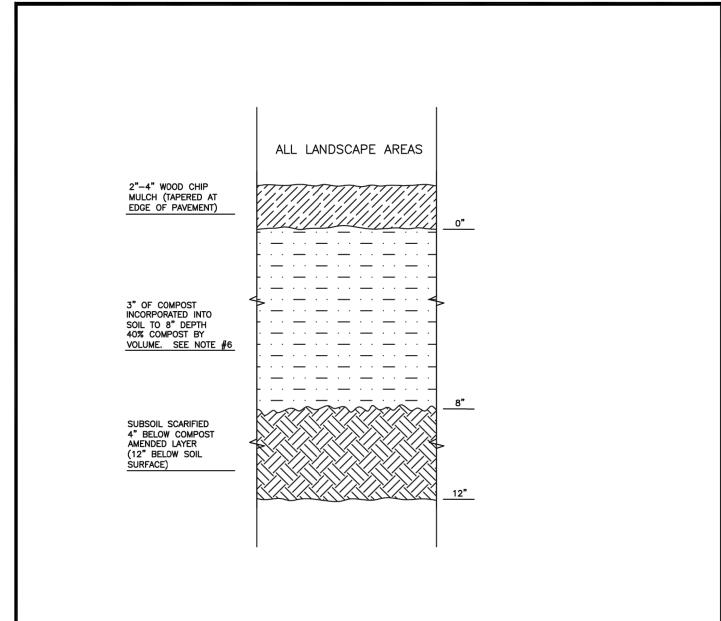
5.00 psi

0.64 psi

0.86 psi

45.50 psi

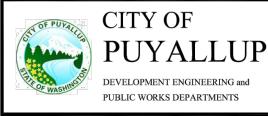
48.00 psi



NOTES:

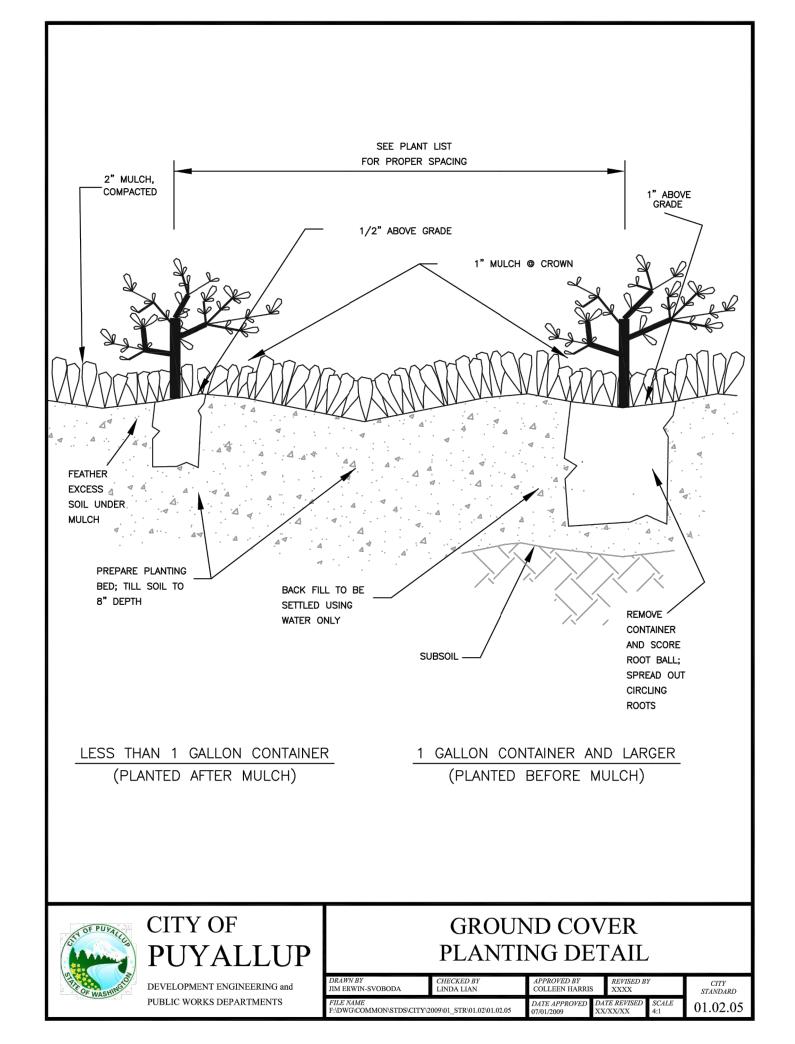
1. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.

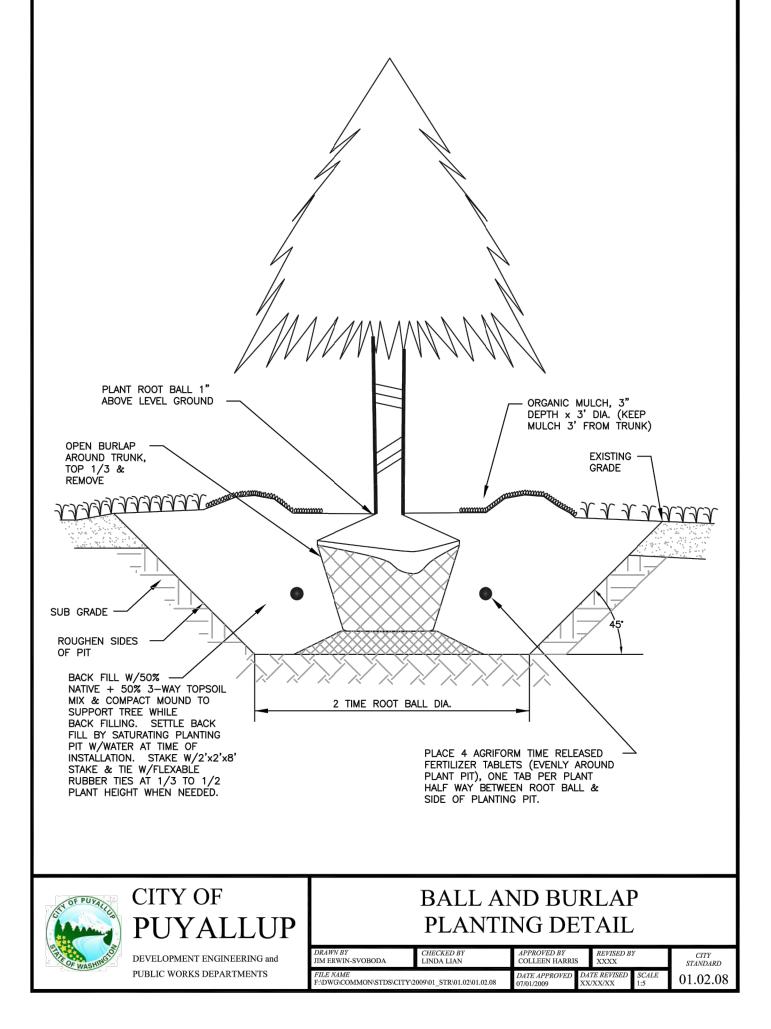
- 2. SUBSOIL SHOULD BE SCARIFIED (LOOSENED) 4 INCHES BELOW AMENDED LAYER, TO PRODUCE 12—INCH DEPTH OF UN—COMPACTED SOIL, EXCEPT WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER. SEE NOTE BELOW REGARDING PLANTING STEPS FOR STREET TREES.
- 3. COMPOST SHALL BE TILLED IN TO 8 INCH DEPTH INTO EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST—AMENDED SOIL, PER SOIL SPECIFICATION.
- 4. PLANTING BEDS SHALL RECEIVE 3 INCHES OF COMPOST TILLED IN TO 8-INCH DEPTH, OR MAY SUBSTITUTE 8" OF IMPORTED SOIL CONTAINING 35-40% COMPOST BY VOLUME. MULCH AFTER PLANTING, WITH 4 INCHES OF ARBORIST WOOD CHIP MULCH OR APPROVED EQUAL (6" OF LOOSE WOOD CHIPS AT THE TIME OF PLANTING TO ALLOW SETTLING TO 4").
- 5. SETBACKS: TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET OF UTILITY INFRASTRUCTURES (POLES, VAULTS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS SOIL SHOULD BE COMPACTED TO APPROXIMATELY 95% PROCTOR TO ENSURE A FIRM SURFACE.
- 6. SEE SECTION 8.2(B) OF THE VMS FOR SOIL AMENDMENT AND INSTRUCTION PROCEDURES FOR STREET TREE PLANTER STRIPS. ALL STREET TREE PLANTER STRIPS SHALL RECEIVE 40% COMPOST AMENDED SOIL TO THE FULL DEPTH OF THE STREET TREE ROOTBALL.

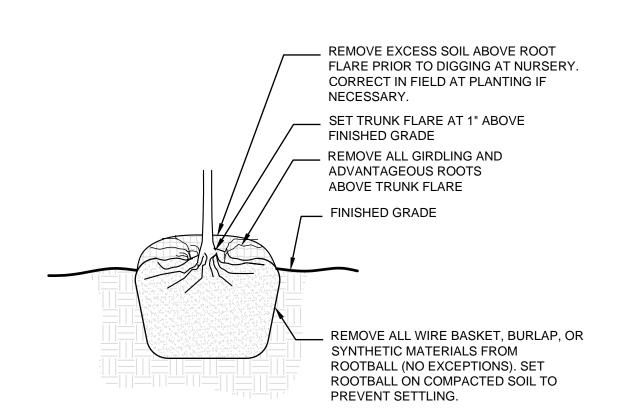




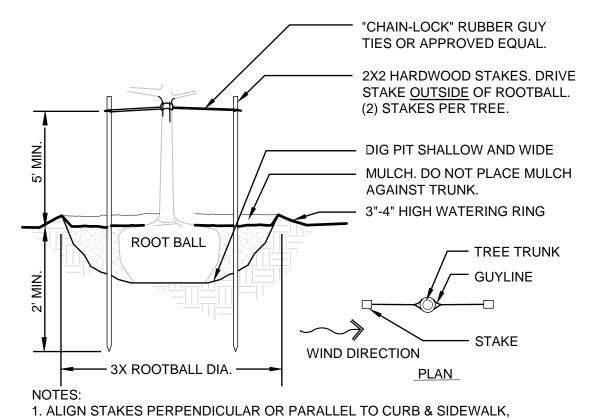
P-2018-POL-05











WHICHEVER IS CLOSER TO WIND DIRECTION. 2. SEE PLANTING NOTES & SPECIFICATIONS (IF PROVIDED) FOR MORE



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EAST MAIN PUYALLUP WAREHOUSE- RED DOT TI

E MAIN ST PUYALLUP, WASHINGTON

PERMIT SUBMITTAL 05/09/2022

APPROVED FINAL LANDSCAPE PLAN

PLANNING DIVISION

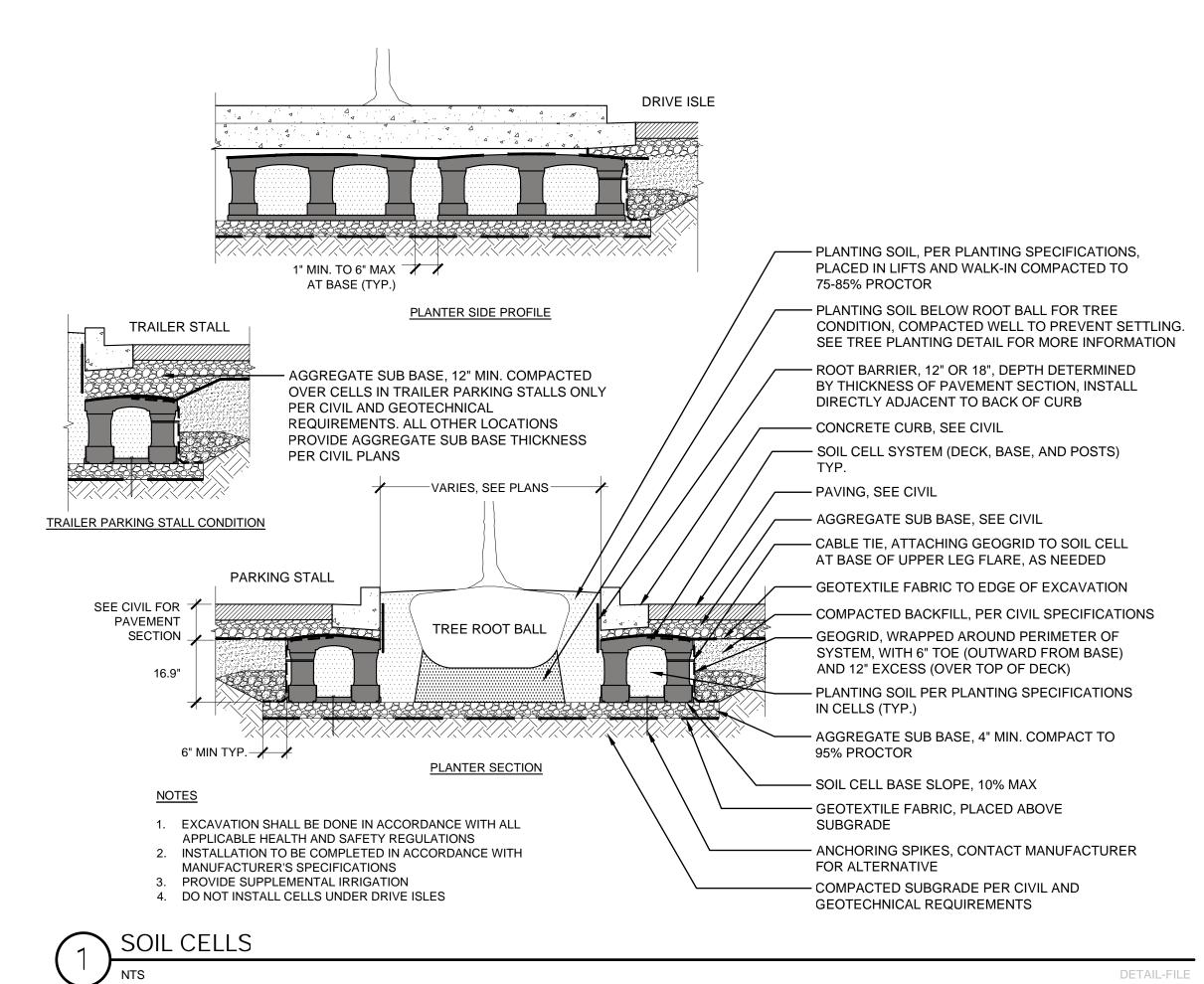
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL

THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS, FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNEE OR PROJECT PLANNER.

LANDSCAPE **DETAILS**

Proj. No: 2220189 Reviewed By: CDA

L501



PLANTING SPECIFICATION

SITE PREPARATION

- 1. SEE CIVIL DRAWINGS FOR GRADING, AND UTILITY LOCATIONS AND DIMENSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING LOCATION OF ALL UTILITIES. CALL FOR UTILITY LOCATIONS PRIOR TO DEMOLITION. CONSULT WITH ARCHITECT AND/ OR GENERAL CONTRACTOR PRIOR TO DEMOLITION.
- 2. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES FOUND IN PLANS OR DEVIATIONS FROM DOCUMENTED ON-SITE CONDITIONS. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE IN A TIMELY MANNER SHALL RESULT IN CONTRACTOR ASSUMING RESPONSIBILITY FOR COSTS ASSOCIATED WITH ANY AND ALL REMEDIAL MEASURES REQUIRED.
- 3. CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONFORM TO ALL STATE AND/OR LOCAL CODES.
- 4. CONTRACTOR SHALL INSTALL ALL PRODUCTS PER MANUFACTURERS SPECIFICATIONS.
- 5. IF UTILITIES ARE ENCOUNTERED, CONTRACTOR SHALL PROMPTLY INFORM BUILDING REPRESENTATIVE AND OWNER'S REPRESENTATIVE AND REPAIR ANY DAMAGES.
- CONTRACTOR AND ALL SUBCONTRACTORS SHALL CLEAN UP ALL DEBRIS AND LEAVE SITE IN A NEAT AND ORGANIZED CONDITION DAILY. CONTRACTOR SHALL CLEAN ADJACENT SURFACES DAILY AS NECESSARY (COORDINATE WITH GENERAL CONTRACTOR FOR APPROVAL) DAILY.
- 7. CONTRACTOR SHALL SUBMIT LANDSCAPE PROJECT SCHEDULE TO LANDSCAPE ARCHITECT (L.A.), A MINIMUM OF 4 WEEKS PRIOR TO START OF ANY LANDSCAPE WORK.

BULK MATERIALS:

- 1. DO NOT DUMP OR STORE BULK MATERIALS NEAR STRUCTURES, UTILITIES, WALKWAYS AND PAVEMENTS OR ON EXISTING TURF AREAS OR PLANTS.
- 2. PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF BULK MATERIALS, DISCHARGE OF SOIL-BEARING WATER RUNOFF, AND AIRBORNE DUST REACHING ADJACENT PROPERTIES. WATER CONVEYANCE SYSTEMS. OR WALKWAYS.
- 3. DO NOT MOVE OR HANDLE MATERIALS WHEN THEY ARE SATURATED OR FROZEN.

PLANTING SOIL:

- 1. LANDSCAPE AREAS SHALL BE DEEP TILLED TO A DEPTH OF AT LEAST 12 INCHES TO FACILITATE DEEP WATER PENETRATION AND SOIL OXYGENATION.
- 2. FOR ALL NEWLY LANDSCAPED AREAS AT A MINIMUM, 4 CUBIC YARDS OF COMPOST PER 1,000 SQUARE FEET OF LANDSCAPE AREA SHALL BE INCORPORATED TO A DEPTH OF AT LEAST 4 INCHES. IN CITY PLANTING STRIPS, COMPOST SHALL BE ADDED TO TOPSOIL AT A RATE
- OF 40% BY VOLUME MINIMUM PER CITY REQUIREMENTS. 3. COMPOST SHALL BE BY CASCADE COMPOST, TAGRO COMPOST MIX, OR CEDAR GROVE COMPOST PER CITY STANDARDS.
- 4. A MINIMUM OF EIGHT (8) INCHES OF TOP SOIL, CONTAINING TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES (8") EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 6 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE. INSTALLATION OF THE EIGHT INCHES (8") OF TOP SOIL, AS DESCRIBED ABOVE, SHALL GENERALLY BE ACHIEVED BY PLACING FIVE INCHES (5") OF IMPORTED SANDY-LOAM TOP SOIL INTO PLANNED LANDSCAPE AREAS (SUB-BASE SCARIFIED FOUR INCHES (4")) WITH A THREE INCH (3") LAYER OF COMPOST
- TILLED INTO THE ENTIRE DEPTH. 5. ALL LANDSCAPING STRIPS AND ISLANDS INTERNAL TO THE SITE'S PAVED AREAS/PARKING LOTS SHALL BE DESIGNED AND INSTALLED USING A MINIMUM OF 1.5' (18") OF TOP SOIL DEPTH; SUBSOILS BELOW THE TOPSOIL LAYER SHALL BE SCARIFIED AT LEAST 6 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS.TOPSOIL SHALL BE 3-PART SANDY LOAM TOPSOIL FROM CEDAR GROVE OR APPROVED ALTERNATE.
- 4. COMPOST SHALL BE COMPOST MULCH FROM CEDAR GROVE OR APPROVED EQUAL.

MULCHING:

- 1. MEDIUM (3-4" SIZE) RED FIR BARK MULCH SHALL BE APPLIED TO ALL PLANTING AREAS. MULCHES SHALL BE APPLIED TO THE FOLLOWING DEPTHS: 3 INCHES OVER BARE SOIL, AND 2 INCHES WHERE PLANT MATERIALS WILL COVER.
- 2. TOP OF MULCH SHALL BE FLUSH WITH FINISH GRADES. DO NOT PLACE MULCH WITHIN 2 INCHES OF TRUNKS OR STEMS.

PREPARATION:

CLEAN SOIL OF CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, OILS, GASOLINE, DIESEL FUEL, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUND, ACID AND OTHER EXTRANEOUS MATERIALS THAT ARE HARMFUL TO PLANT

PLACING MANUFACTURED PLANTING TOPSOIL OVER EXPOSED SUBGRADE:

- 1. TILL SUBGRADE TO A MINIMUM DEPTH OF 12" INCHES. REMOVE STONES LARGER THAN 1-1/2 INCHES IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
- 2. APPLY, ADD SOIL AMENDMENTS, AND MIX APPROXIMATELY HALF THE THICKNESS OF TOPSOIL OVER PREPARED, LOOSENED SUBGRADE. MIX THOROUGHLY INTO TOP 4 INCHES OF SUBGRADE. SPREAD REMAINDER OF TOPSOIL.
- 3. SPREAD UNAMENDED SOIL TO TOTAL DEPTH REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
- 4. APPLY AND MIX TOPSOIL IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY COMPACTION EQUIPMENT, AND NOT MORE THAN 6 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.

PROTECTION:

- IF PLANTING SOIL OR SUBGRADE IS OVERCOMPACTED, DISTURBED, OR CONTAMINATED BY FOREIGN OR DELETERIOUS MATERIALS OR LIQUIDS, REMOVE THE PLANTING SOIL AND CONTAMINATION, RESTORE THE SUBGRADE AS DIRECTED BY LANDSCAPE ARCHITECT AND REPLACE CONTAMINATED PLANTING SOIL WITH NEW PLANTING SOIL.
- REMOVE SURPLUS SOIL AND WASTE MATERIAL INCLUDING EXCESS SUBSOIL, UNSUITABLE MATERIALS, TRASH, AND DEBRIS AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY UNLESS OTHERWISE INDICATED.

PLANT MATERIAL OBSERVATION:

DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES AND ROOT SYSTEMS FROM SUN SCALD, DRYING, WIND BURN, SWEATING, WHIPPING, AND OTHER HANDLING AND TYING DAMAGE. PROVIDE PROTECTIVE COVERING OF PLANTS DURING SHIPPING AND DELIVERY.

PREPARATION:

- 1. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES AND TURF AREAS AND EXISTING PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.
- 2. LAYOUT PLANTS AT LOCATIONS DIRECTED BY PLAN. STAKE LOCATIONS OF INDIVIDUAL TREES AND SHRUBS AND OUTLINE AREAS FOR MULTIPLE PLANTINGS
- 3. DELIVERY: DELIVER PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX HOURS AFTER DELIVERY, SET PLANTS AND TREES IN THEIR APPROPRIATE ASPECT (SUN. FILTERED SUN. OR SHADE), PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND **KEEP ROOTS MOIST**
- 4. FIELD CONDITIONS: VERIFY ACTUAL GRADE ELEVATIONS, SERVICE AND UTILITY LOCATIONS, IRRIGATION SYSTEM COMPONENTS, AND DIMENSIONS OF PLANTINGS AND CONSTRUCTION CONTIGUOUS WITH NEW PLANTINGS BY FIELD MEASUREMENTS BEFORE PROCEEDING WITH PLANTING WORK.
- 5. PLANT MATERIAL: FURNISH NURSERY GROWN PLANTS TRUE TO GENUS, SPECIES, VARIETY, CULTIVARS, STEM FORM, SHEARING, AND OTHER FEATURES INDICATED ON PLANT SCHEDULE WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULL-BRANCHED, HEALTHY, VIGOROUS STOCK, DENSELY FOLIATED WHEN IN LEAF AND FREE OF DISEASE, PESTS, EGGS, LARVAE AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS AND DISFIGUREMENT.
- PRUNING: PRUNE, THIN, AND SHAPE TREES, SHRUBS AND VINES AS
- DIRECTED BY LANDSCAPE ARCHITECT. LABELING: LABEL AT LEAST ONE PLANT OF EACH VARIETY, SIZE, AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON NAME AND FULL SCIENTIFIC NAME, INCLUDING GENUS AND SPECIES.
- IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF PLANTS IS INDICATED ON THE THE DRAWINGS, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD. AND NUMBER THE LABELS TO ASSURE SYMMETRY IN PLANTING.

PLANTING:

- 1. THE CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO INSTALLATION. ANY PLANT MATERIAL QUANTITIES LISTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COUNTING THE TOTAL NUMBER OF PLANTS INDICATED ON THE PLANS AND ESTIMATING GROUNDCOVER QUANTITIES.
- 2. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL CONTAINER OR FIELD GROWN TREES, SHRUBS AND VINES, INCLUDING SEEDED AND SODDED TURF, HYDROMULCHES AND FLATTED GROUNDCOVERS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE AND PAY FOR: PLANTING OF ALL PLANT MATERIALS: THE SPECIFIED GUARANTEE OF ALL PLANT MATERIALS; THE STAKING AND GUYING OF TREES AND THE CONTINUOUS PROTECTION OF ALL PLANT MATERIALS UPON THEIR ARRIVAL AT THE SITE.
- 3. SET OUT AND SPACE GROUND COVER AND PLANTS OTHER THAN TREES, SHRUBS AND VINES AS INDICATED ON DRAWINGS IN EVEN ROWS WITH TRIANGULAR SPACING.
- 4. USE PLANTING SOIL FOR BACKFILL DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS 6. WATER THOROUGHLY AFTER PLANTING, TAKING CARE NOT TO COVER
- PLANT CROWNS WITH WET SOIL PROTECT PLANTS FROM HOT SUN AND WIND; REMOVE PROTECTION IF PLANTS SHOW EVIDENCE OF RECOVERY FROM TRANSPLANTING SHOCK.
- 8. THIRTY (30) DAYS AFTER INSTALLATION ALL LANDSCAPE SHALL BE FERTILIZED WITH BEST FERTILIZER COMPANY 16-6-8 OR APPROVED EQUAL. APPLIED AT THE RATE OF SIX POUNDS (6 LBS.) PER 1.000 SQUARE FEET. FERTILIZER APPLICATION SHALL BE CONTINUED
- THEREAFTER AT MONTHLY INTERVALS. FERTILIZER TABLETS SHALL BE AGRIFORM, 21 GRAM TABLETS (20-10-5) IN QUANTITIES AS FOLLOWS:

1 AND 3 GALLON SHRUBS 5 GALLON SHRUB AND TREE -3 15 GALLON SHRUB 15 GALLON TREE 1 PER 4" OF ROOT BALL SIZE

10. PLACE TABLETS AT HALF THE DEPTH OF THE ROOTBALL.

REPAIR AND REPLACEMENT:

1. REPAIR OR REPLACE EXISTING OR NEW TREES AND OTHER PLANTS THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT.

CLEANING AND PROTECTION:

- 1. DURING PLANTING, KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN AND WORK AREA IN AN ORDERLY CONDITION.
- 2. REMOVE SURPLUS SOIL AND WASTE MATERIAL INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, AND DEBRIS AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
- 3. PROTECT PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS AND OPERATIONS OF OTHER CONTRACTORS AND TRADES. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS.
- 4. AFTER INSTALLATION AND BEFORE SUBSTANTIAL COMPLETION, REMOVE NURSERY TAGS, NURSERY STAKES, TIE TAPE, WIRE, BURLAP, AND OTHER DEBRIS FROM PLANT MATERIAL, PLANTING AREAS, AND PROJECT SITE.

MAINTENANCE SERVICE:

 LANDSCAPE CONTRACTOR SHALL PROVIDE MAINTENANCE BY SKILLED EMPLOYEES OF LANDSCAPE INSTALLER AND MAINTAIN THE PLANT MATERIAL, IRRIGATION SYSTEM AND KEEP PLANTED AREAS WEED FREE. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTS ARE INSTALLED AND CONTINUE UNTIL PLANTINGS ARE ACCEPTABLY HEALTHY AND WELL ESTABLISHED AND THROUGHOUT WARRANTY PERIOD.

WARRANTY:

INSTALLER AGREES TO REPAIR OR REPLACE PLANTINGS AND ACCESSORIES THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN SPECIFIED WARRANTY PERIOD. WARRANTY PERIOD TO BE FOR 12 MONTHS FROM DATE OF UNTIL FINAL ACCEPTANCE IS RECEIVED IN WRITING FROM THE OWNERS REPRESENTATIVE.

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PERMIT SUBMITTAL 05/09/2022

APPROVED FINAL LANDSCAPE PLAN

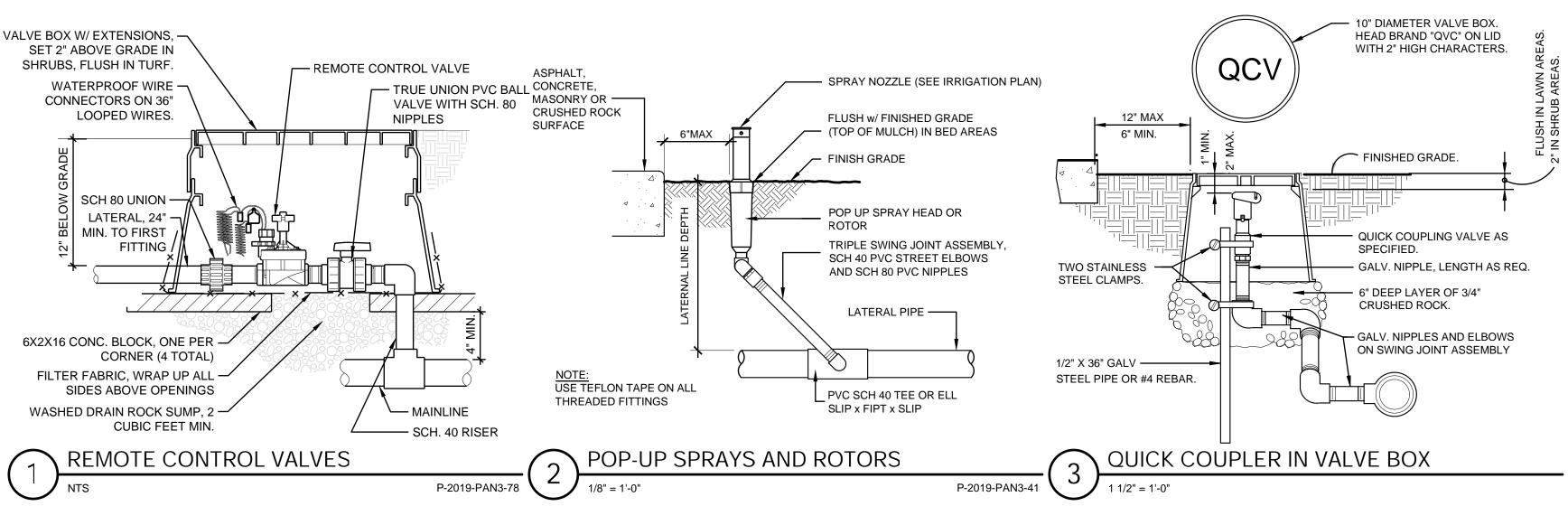
PLANNING DIVISION

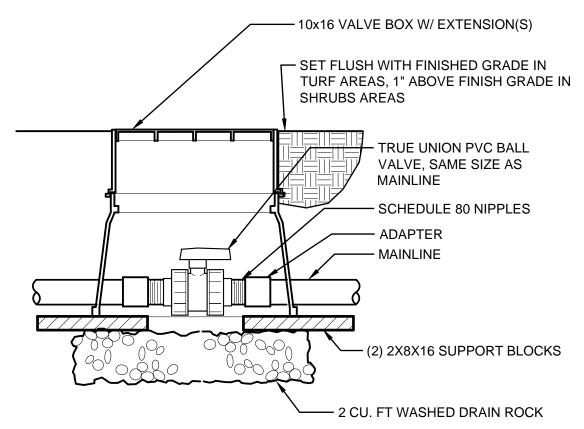
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL

THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS, FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNEE OR PROJECT PLANNER.

LANDSCAPE **SPECIFICATIONS** AND DETAILS

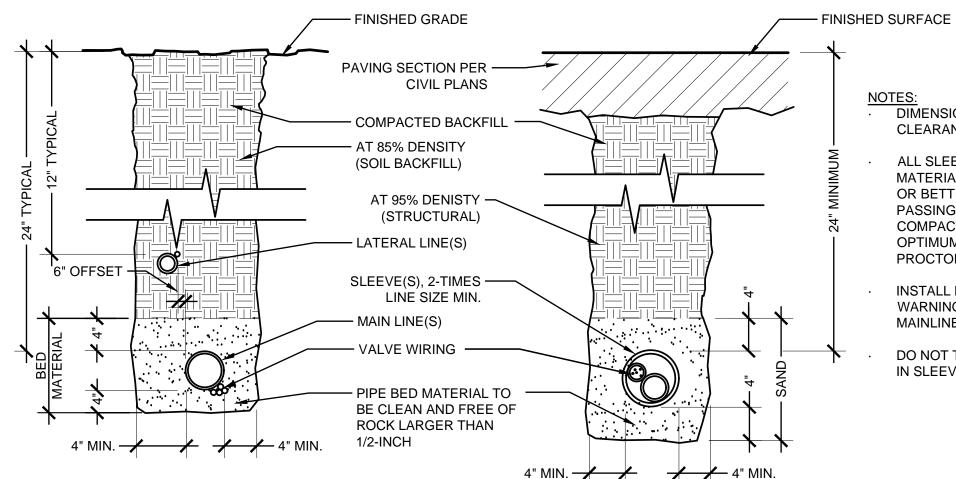
Proj. No: 2220189 Reviewed By: CDA





USE TEFLON TAPE ON ALL THREADED CONNECTIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

P-2019-PAN3-07



IRRIGATION SPECIFICATION

GENERAL

- 1. INSTALL ALL EQUIPMENT PER CITY OF PUYALLUP PLUMBING CODES. AND APPLICABLE COUNTY, STATE AND FEDERAL CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS,
- TESTS, AND INSPECTIONS REQUIRED FOR THE IRRIGATION SYSTEM. 2. IRRIGATION DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
- 3. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY
- 4. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. THE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
- SEE PLUMBING AND ELECTRICAL DRAWINGS TO VERIFY UTILITY LOCATIONS. IF UTILITIES ARE DAMAGED IN THE COURSE OF WORK, CONTRACTOR SHALL INFORM THE GENERAL CONTRACTOR AND LA, AND MAKE ANY REPAIRS REQUIRED, AT NO COST TO THE OWNER. 6. NOTIFY LANDSCAPE ARCHITECT OF ANY ASPECTS OF LAYOUT THAT WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF
- PLANT MATERIAL AND DO NOT PROCEED UNTIL THEIR INSTRUCTIONS ARE OBTAINED. INSTALLER SHALL BE RESPONSIBLE FOR KEEPING EXACT ACCURATE NOTES AND "AS-BUILTS" FOR THE CREATION OF THE "RECORD
- DRAWINGS" OF THE INSTALLED SYSTEM. CONTRACTOR SHALL WARRANTY THE IRRIGATION SYSTEM IN EVERY DETAIL FOR A ONE YEAR PERIOD FOLLOWING THE DATE OF ACCEPTANCE. CONTRACTOR SHALL PROVIDE SPRING START-UP AND WINTERIZATION FOR THE FIRST YEAR.

PIPING:

- 1. ALL PIPE LOCATED WITHIN THE BUILDING SHALL BE PLENUM RATED. 2. PROVIDE WATERPROOF CONNECTIONS AT ALL BUILDING PENETRATIONS.
- 3. FOR PVC MAIN LINE PIPING INSIDE SLEEVES USE 1120-315 PSI PVC PLASTIC PIPE WITH SCHEDULE 40 PVC COUPLINGS.
- 4. IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF REQUIRED SLEEVES AND CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREA CROSSINGS.
- 5. ALL LATERAL PIPING BENEATH PAVED AREAS SHALL BE SCHEDULE 40
- 6. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES, AND TREE ROOTS. EXCAVATION IN AREAS WHERE 2 INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND. ROOTS 2 INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN A PLASTIC BAG AND SECURED WITH A RUBBER BAND. TRENCHES ADJACENT TO TREE SHOULD BE CLOSED WITHIN 24 HOURS; WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.

BACKFLOW PREVENTION ASSEMBLY:

- 1. THE BACKFLOW DEVICE SHALL BE INSTALLED ACCORDING TO LOCAL WATER PURVEYOR, HEALTH DEPARTMENT, STATE, AND FEDERAL REQUIREMENTS.
- 2. INSTALL BACKFLOW ASSEMBLY AS SHOWN ON PLANS. ALLOW ADEQUATE ROOM (6' TO 8" PREFERABLY) ON BOTH SIDES OF
- ASSEMBLY FOR ACCESS. 3. STACKED VAULT BOXES MUST BE PERMANENTLY FASTENED
- TOGETHER. 4. SUPPORT ALL DOUBLE CHECK ASSEMBLIES 1.5" IN SIZE AND GREATER. SUPPORTS SHALL NOT INTERFERE WITH MAINTENANCE OR NORMAL OPERATION OF THE ASSEMBLY.
- FLUSH LINES THOROUGHLY BEFORE INSTALLING ASSEMBLY.
- WHERE DISTANCE BETWEEN WATER METER OR TAP AND BACKFLOW DEVICE IS GREATER THAN 10', ALL EXPOSED PIPING SHALL BE STENCILED "FEED LINE TO BACKFLOW PREVENTER - DO NOT TAP" AT 5'
- IRRIGATION CONTRACTOR TO COORDINATE WITH CITY OF PACIFIC WATER FOR PRE-INSTALLATION REQUIREMENTS, MUNICIPAL INSTALLATION, INSPECTION AND TESTING OF BACKFLOW PREVENTION DEVICE.

VALVES:

1. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS WHERE POSSIBLE.

DIMENSIONS ARE MINIMUM

COMPACTED TO MIN. 95%

ALL SLEEVING TRENCH BACKFILL

PASSING NO.40 SCREEN) AND BE

OPTIMUM DENSITY (MODIFIED

INSTALL METALLIC DETECTABLE

DO NOT TAPE OR BUNDLE WIRES

P-2019-PAN3-25

WARNING TAPE 6" ABOVE ALL

MATERIAL SHALL BE CLASS "B" OR BETTER (MAX. OF 10%

CLEARANCES.

PROCTOR).

MAINLINE.

IN SLEEVES.

- INSTALL VALVE BOXES MINIMUM 12" FROM AND PERPENDICULAR TO WALK, CURB, LAWN, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE MINIMUM 12" APART. SHORT SIDE OF VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
- 3. LOCATE QUICK COUPLING VALVE 12" FROM HARDSCAPE AREA AND NO FURTHER THAN 100' APART.

CONTROLLER & WIRING:

- ELECTRICAL CONTRACTOR TO SUPPLY 120 VAC (2.5 AMP) SERVICE TO CONTROLLER LOCATION. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER.
- 2. EACH CONTROLLER SHALL HAVE ITS OWN INDEPENDENT GROUND
- REMOTE CONTROL VALVES SHALL BE WIRED TO CONTROLLER IN SEQUENCE AS SHOWN ON PLANS. RUN WIRE FROM EACH RCV TO THE CONTROLLER. SPLICING WIRES TOGETHER OUTSIDE OF VALVE BOXES WILL NOT BE PERMITTED. SPLICING OF 24-VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN. TAPE WIRE IN BUNDLES 10 FEET ON CENTER. NO TAPING PERMITTED INSIDE SLEEVES.
- 4. SPLICE CONTROL WIRES USING 3M-DBY, OR APPROVED SPLICE KITS,
- AND PROVIDE A 24" EXPANSION LOOP FOR ALL CONTROL WIRES. INSTALL A SPARE CONTROL WIRE OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE

SPRINKLERS:

1. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.

BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.

- IN LOCATIONS WHERE LOW HEAD DRAINAGE WILL CAUSE EROSION AND EXCESS WATER, USE POP-UP SPRINKLER MODELS WITH INTEGRAL CHECK VALVE OR CHECK VALVE ON SHRUB RISERS IN LIEU OF SCHEDULE 80 COUPLING.
- 3. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER, THIRD OR HALF CIRCLE HEAD AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

OPERATION:

- IRRIGATION CONTRACTOR SHALL INSTALL PROVISIONS FOR WINTERIZATION BY PROVIDING BOTH MANUAL DRAINS AT ALL LOW POINTS (AUTOMATIC DRAIN VALVES ARE NOT PERMITTED) AND A MEANS TO BLOW OUT IRRIGATIONS SYSTEM PIPES WITH PRESSURIZED AIR. SLOPE PIPE AT 1/2" MIN. TO DRAINS. PRESSURIZED AIR NOT TO EXCEED 20 PSI ON DRIP IRRIGATION LINES.
- OPERATE IRRIGATION CONTROLLER(S) BETWEEN THE HOURS OF 10:00 PM AND 5:00 AM TO MINIMIZE CONFLICTS WITH PEDESTRIANS AND VEHICULAR PARKING OR TRAFFIC.
- 3. INSTALL AIR RELIEF VALVES PER MANUFACTURER'S
- RECOMMENDATIONS, IN CONTROL VALVE BOXES.
- 4. INSTALL DRIP LINES ACCORDING TO MANUFACTURER'S INSTRUCTIONS. NO DRIP TUBING SHALL BE LEFT EXPOSED.

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IRRIGATION DETAILS

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