

PLANT LEGEND							
TREES							
SYMBOL	QTY	DESCRIPTION	SIZE	Native (N), Drought Tolerant (DT)			
TR14	6	Acer buergerianum Trident Maple	1.5" Cal. Min. Strong Central Leader	DT			
	7	Laburnum x Watereri 'Vossii' Goldenchain Tree	1.5" Cal. Min. Strong Central Leader				
T4	8	Cercis canadensis Eastern Redbud	1.5" Cal. Min. Strong Central Leader				
	4	Rhamnus purshiana Cascara	1.5" Cal. Min. Strong Central Leader	N, DT			
B	12	Amelanchier grandiflora 'Princess Diana' Princess Diana Serviceberry	1.5" Cal. Min. Strong Central Leader				
$\bigotimes$	6	Tilia americana 'Boulevard' American Linden	1.5" Cal. Min. Strong Central Leader	DT			
A A A	4	Quercus robur x Q. alba 'Crimschmidt' 'Crimson Spire' Oak	1.5" Cal. Min. Strong Central Leader	DT			
(	4	Gleditsia triacanthos 'Draves' Honeylocust 'Streetkeeper'	1.5" Cal. Min. Strong Central Leader	DT			
Mar and Mark	3	Chamaecyparis lawsoniana 'Grayswood Pillar' Lawson's Cypress 'Grayswood Pillar'	5'-6' Ht. Full/Compact	DT			
NOTES							

		SHRUBS			
SYMBOL	QTY	DESCRIPTION			
✻	58	Polystichum munitum Western Sword Fern			
MYC	168	Myrica californica Pacific Wax Myrtle			
	64	Mahonia aquilifolium 'Orange Flame' Orange Flame Oregon Grape			
$\Box$	52	Rosa nutkana Nootka Rose			
	11	Holodiscus discolor Ocean-spray			
- A	75	Potentilla fruticosa 'Goldfinger' Goldfinger Potentilla			
AN A	3	Spiraea douglasii Western Spirea			
$\bigcirc$	37	Vaccinium ovatum Evergreen Huckleberry			
(° °) (° °)	41	Ribes sanguineum Red Flowering Currant			
$\begin{vmatrix} + & + & + \\ + & + & + \\ + & + & + \\ + & + &$		Arctostaphylos uva-ursi Kinnikinnick			
		Fragaria chiloensis Coastal Strawberry			
L					

ORIG. SHEET SIZE 22X34

# **GENERAL LANDSCAPE NOTES**

- 1. Contractor is responsible for obtaining all necessary permits from the appropriate agency prior to commencing work. Contractor shall contact Line Locators (811) a min. of 48 hours prior to any digging or trenching. If there are any discrepancies with existing lines and landscaping, it is the contractor's responsibility to contact the landscape architect and request a site visit to address the conflicts. Contractor shall comply and conform to any and all local and state codes for work, schedules and any other project related requirements.
- 2. Contractor shall coordinate directly with the landscape architect for all landscape related issues, concerns, inspections and approvals. Contractor shall provide the landscape architect with a written request for a site visit to address any related items.
- 3. Scope of work shall include any and all specified and unspecified but related incidental work to achieve the design indicated on the landscape plans. All labor, materials, subcontractors, equipment, and related incidental items shall be supplied and installed to achieve a complete project, unless directed otherwise by the general contractor or landscape architect.
- 4. Contractor to verify all sub grades are set below required amendments to insure the finished grade will match what is intended by civil or drainage design. All sub grades and finished or final grades shall be graded to drain to the designed drainage system with positive drainage away from all structures.

## 5. Grade Preparation BASED ON VEGETATIVE MANGAGEMENT STANDARDS REQUIREMENTS:

a. Slopes used for grass plantings or turf shall be less than 3:1 or 33 percent. Otherwise plantings should not require mechanized mowing equipment.

Soil Preparation

- a. Excavate soil Excavate existing soil to a depth of 24" (or equal to the root ball depth, whichever is greater) and width of 8' (or three times (3X) wider than the root ball or root mass, whichever is greater). Stockpile excavated soil on a tarp away from the street and storm water catch
- b. Prepare the planting strip -After excavating all materials from the planter strip, scarify and rip the sub-base (by mechanical means or hand tools) to a depth of 6" with multiple passes, 90 degrees to each Prior to planting the tree, re-compact the tree base where the street tree will be planted to avoid setting of the root ball. At this stage, if the tree is to be planted when the planter strip is backfilled with amended top soil, the contractor/installer should measure the depth of the root bal I to determine when to place the tree in the pit during the backfilling process. If the root ball or root mass (in the case of bare root trees) is less than 24", the street tree shall be planted in a manner in which the root flare is level with or at least 1" above grade at the time of finished planting. This may require the root ball be placed on a compacted sub-base of the compost amended top soil as backfilling is occurring,
- c. Install root barrier panels at this stage the contractor/installer shall place 24" deep root barrier panels (UB-24) along the edge of the sidewalk and curb line for a total of eight feet (8') of lineal protection along either side of the planting area. The panels shall be installed perpendicular to the edge of paved surface in accordance with the manufacturer's standards for a 'linear' application; the root barrier panels shall not be installed in the planting pit as a 'surround' application, unless specified on the final landscape plans. The top of the root barrier panel shall be installed such that 1/2" of the root barrier is above the finished grade.
- d. Compost amended top soils required The top soil shall be amended on site during installation with compost to achieve a 40 percent by volume top soil mix in the right-of-way planter strip. Imported top soil may be used by the contractor/installer if data 'cut sheets' are available from the supplier certifying compost amendment equaling 40 percent by volume using one of the approved compost sources below. Compost shall only be sourced from: Cascade Compost - (also known as PREP/LRI) (available through Pierce County Recycling, Composting & Disposal, 10308 Sales Road,

Tacoma, Washington 98499, or retail/wholesale landscape material suppliers) Tagro Compost Mix - available through City of Tacoma, 2201 Portland Avenue, Gate 6, Tacoma, WA, 98421, or retail/wholesale

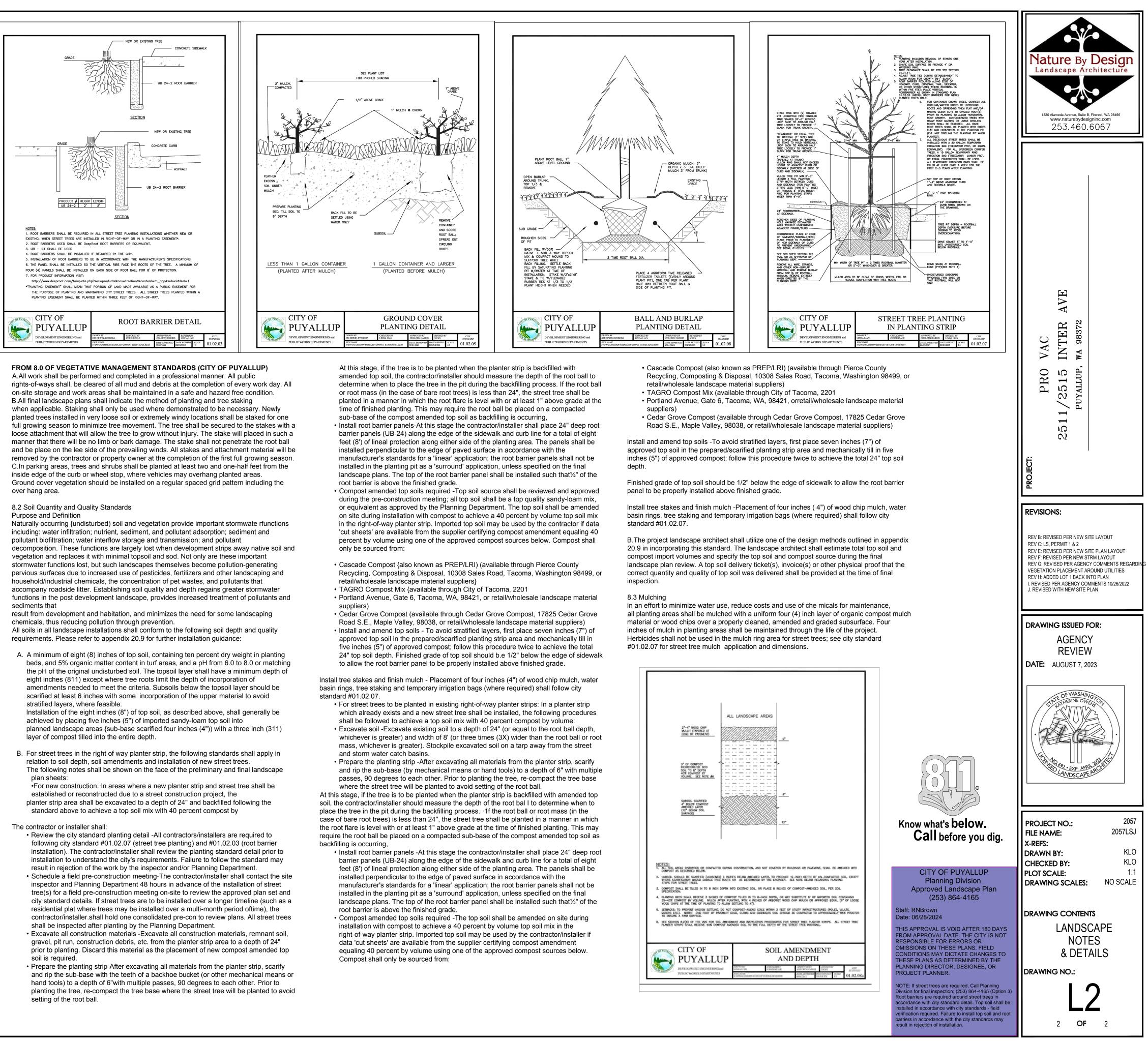
- landscape material suppliers) Cedar Grove Compost - (available through Cedar Grove Compost, 17825 Cedar Grove Road S.E., Maple Valley, 98038, or
- retail/wholesale landscape material suppliers) e. Install and amend top soils - To avoid stratified layers, first place seven inches (7") of approved top soil in the prepared/scarified planting strip area and mechanically till in five inches (5") of approved compost; follow this procedure twice to achieve the total 24" top soil depth. Finished grade of top soil should be 1/2" below the edge of sidewalk to allow the root barrier panel to be properly installed above finished grade.
- f. Install tree stakes and finish mulch Placement of four inches (4") of wood chip mulch, water basin rings, tree staking and temporary irrigation bags (where required) shall follow city standard #01.02.07.\

### 2. Mulching of Newly Planted or Replanted Areas.

and minimizing erosion.

In a planter strip which already exists and a new street tree shall be installed, the following procedures shall be followed to achieve a top soil mix with 40 percent compost by volume

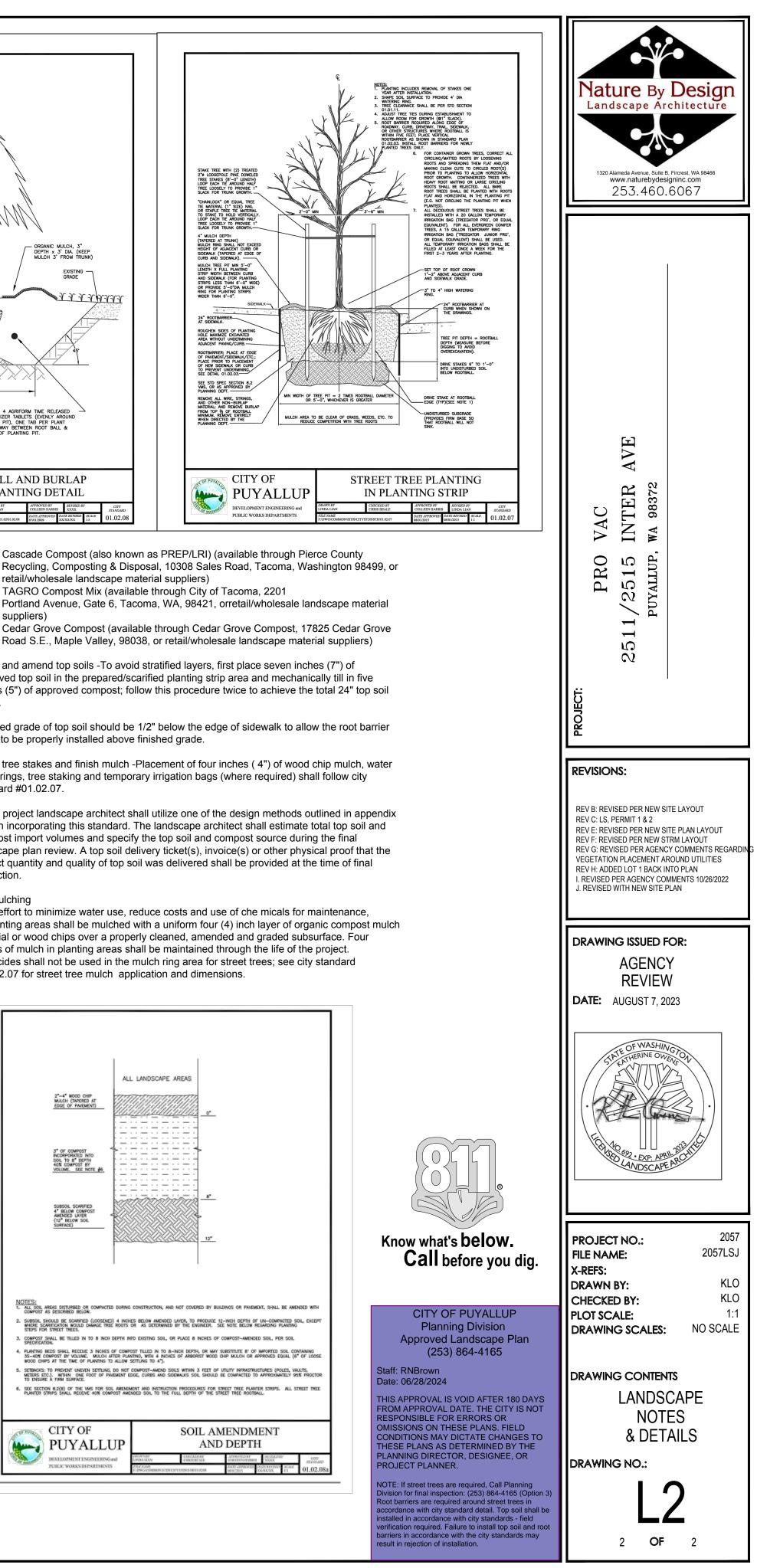
- a. Mulches must be applied to the following depths: a minimum 4 (four) inches over bare soil, and two inches where plant materials will
- b. Mulches must include organic materials, organic compost mulch material or wood chips over a properly cleaned, amended and graded surface
- c. Nonporous materials, such as plastic sheeting, shall not be used in any area of the landscape because of down-slope erosion and potential soil contamination from herbicide washing. d. Mulch should be applied regularly to and maintained in all planting areas to assist soils in retaining moisture, reducing weed growth,
- 7. Contractor shall field layout all plant material and contact the landscape architect for a site visit to approve the layout. Any field modifications shall be done by the landscape architect prior to planting.
- Contractor shall immediately notify the landscape architect of any poor drainage condition in landscape areas. No standing water shall be permitted in any landscape areas - either on the surface or below the topsoil. The landscape architect shall coordinate the drainage solution with the general contractor and civil engineer. Once the concerns have been remedied planting shall commence.
- 9. All groundcover to be planted in a triangular spacing formation, equal in all directions to the centers of the groundcovers in distances indicated in the legend. Contractor shall verify all quantities of groundcovers by area calculations and spacing requirements.
- 10. Landscaping is to be per plan. Plant substitutions due to availability or otherwise will be allowed only with landscape architect, owner and agency approval. Any substitutions will be with material of similar size, growth characteristics, and quality.
- 11. All trees must be staked as necessary so as to maintain material in a healthy, vigorous growing condition.
- 12. Landscaping shall be installed in a professional workmanlike manner that is consistent and accepted throughout the industry. All landscape and irrigation work shall be performed by experienced persons familiar with scope of project.
- 13. All landscape material and labor is to be guaranteed for a period of one full year from the time of completion.
- 14. When planting 'Balled and Burlapped' product, remove all burlap, string & wire from any B&B plant material, cut and remove jute strings. Gently place in tact Rootbal into planting pit. If rootball breaks or is not solid - the plant is unacceptable and shall be replaced.
- 15. Street trees shall have caliper size of at least 1" measure per American Association of Nurserymen Standards for Deciduous Trees Plant sizes: 5' Minimum height for Evergreen trees; 2 Gal. Min. for shrubs.
- 16. Street trees shall be high branching with canopy that starts at least 6' above finish grade.
- 17. All plant I.D. tags are to remain on the plant material until final inspection has been completed. Once approved all plant I.D. tags shall be removed and discarded appropriately.
- 18. Trees shall be cared for in accordance with the American National Standards Institute (ANSI) standard practices for trees, shrubs and other woody plant maintenance (ANSI 300) in order to allow them to reach there mature height and form.
- 19. Pruning of street trees shall be performed per the ANSI 300 standards so as to maintain the natural form of the tree, encourage vigorous growth to a mature spread and height, and avoid weakening the tree to create a hazard. Street trees shall not be topped pollarded, or otherwise pruned in a manner contrary to these goals, unless there is no practicable alternative that would preserve essential utility services.
- 20. Plant material selected is drought tolerant or native species. The project proponent shall be responsible for maintaining and watering all plant material throughout the first growing season and in times of drought. A Permanent Irrigation system will be designed upon approval of preliminary landscape plan.
- 21. All landscaping strips and islands internal to the site as 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.
- 22. A minimum of eight (8) inches of top soil, containing ten percent dry weight in planting beds, and 5% organic mater 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 (8) inches 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 six (6) inches with some incorporation of the upper material to avoid the stratified layers, where feasible. Installation of the eight (8) inches of top soil, as described above, shall generally be achieved by placing five (5) (sub-base scarified four (4) inches) with a three (3) inch layer of compost tilled into the entire depth.

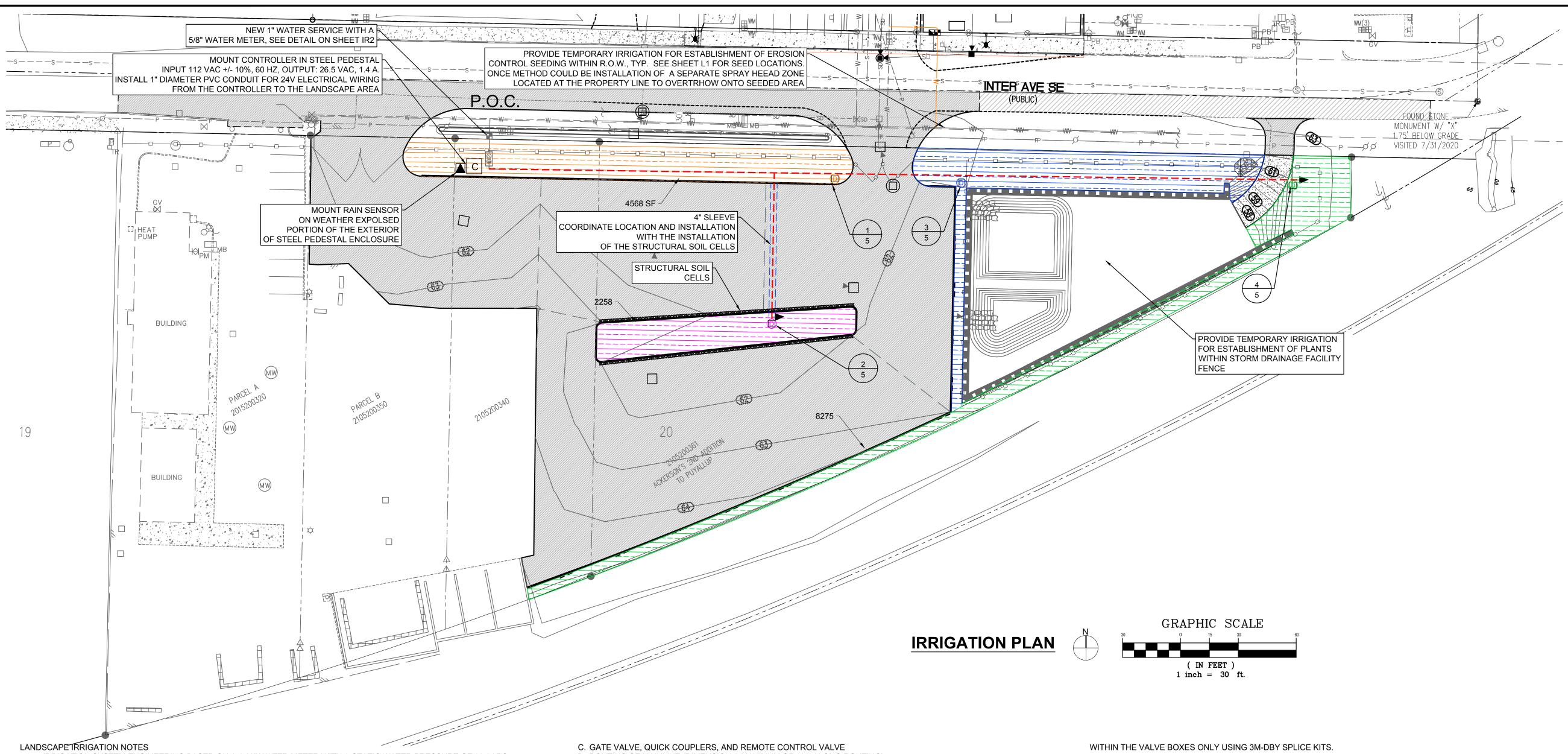


over hang area.

Purpose and Definition

sediments that





- 1. IRRIGATION SYSTEM ENGINEERING BASED ON A 1.00" WATER METER WITH A STATIC WATER PRESSURE OF 60.0 LBS. THE INSTALLER TO VERIFY ADEQUATE STATIC WATER PRESSURE AT TIME OF INSTALLATION.
- 2. INSTALL ALL EQUIPMENT PER STATE AND LOCAL CODES. CALL LINE LOCATERS PRIOR TO DIGGING AT 1-800-424-5555. THE INSTALLER SHALL BE RESPONSIBLE FOR ALL PERMITS, TESTS AND INSPECTIONS AS REQUIRED.
- 3. SEE CIVIL DRAWINGS TO VERIFY ALL UTILITY LOCATIONS.
- GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE:
- A. INSTALLATION OF 110V ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO AUTOMATIC CONTROLLER, INCLUDING WIRE HOOK-UP INTO MOUNTED CONTROLLER. IRRIGATION CONTRACTOR WILL MOUNT CONTROLLER PER DESIGN AND COORDINATE WITH THE GENERAL CONTRACTOR.
- B. INSTALLATION OF IRRIGATION / SERVICE METER AND STUB TO IRRIGATION POINT OF CONNECTION, PER UTILITY PLANS. PROVIDE STANDARD THREADED STUB -OUT WITH THREADED CAP ON DISCHARGE SIDE OF METER. STUB-OUT TO BE INSTALLED APPROXIMATELY 18 INCHES BELOW FINISH GRADE.
- C. VERIFICATION OF STATIC WATER PRESSURE AT POINT OF CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY OWNER AND LANDSCAPE ARCHITECT OF ANY VARIATION IN STATIC PRESSURE OVER 5 PSI GREATER / LESS THAN DESIGN PRESSURE.

5. PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS INDICATED ON THE PLANS. PROVIDE A ONE (1) YEAR WARRANTY / GUARANTEE FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT, AND WORKMANSHIP.

6. COORDINATE IRRIGATION INSTALLATION WITH GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LANDSCAPE CONTRACTOR, OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.

7. LANDSCAPE CONTRACTOR TO TEST AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK. PROVIDE WRITTEN TEST RESULTS TO LANDSCAPE ARCHITECT.

8. ALL WORK PER LOCAL CODE. INSTALLATION PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

9. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, FEES AND REQUIRED CITY INSPECTIONS

10. SUBMITTALS - SUBMIT TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL:

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED ON PLANS.

- B. CONTROL WIRING DIAGRAM C. AS-BUILT DRAWINGS
- D. OPERATION AND MAINTENANCE MANUALS AND KEYS TO OWNER

11. PROVIDE AND KEEP UP TO DATE A COMPLETE 'AS-BUILT' RECORD SET OF PRINTS WHICH ARE TO BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS AND NOTES AND AXACT 'AS-BUILT' LOCATIONS, SIZES AND KIND OF EQUIPMENT. THIS SET OF DRAWINGS ARE TO BE KEPT ON SITE AND ARE TO BE USED ONLY AS THE RECORD SET. ALL WORK IS TO BE NEAT AND LEGIBLE ANNOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING WORK AS ACTUALLY INSTALLED.

DIMENSION FROM TWO (2) PERMANENT POINTS OF REFERENCE (IE BUILDING CORNERS, WALKS OR ROAD INTERSECTIONS, ETC) THE LOCATION OF THE FOLLOWING:

A. CONNECTION TO WATER LINES (P.O.C) **B. CONNECTIONS TO ELECTRICAL POWER** 

- D. ROUTING OF MAINLINE (DIMENSION A MAXIMUM OF 100' ALONG ROUTING) E. ROUTING OF CONTROL WIRING

INFORMATION:

- C. GUARANTEE STATEMENT
- E. CONSTRUCTION DETAILS FROM THE PROJECT.
- F. COMPLETE TROUBLE-SHOOTING GUIDE TO COMMON IRRIGATION PROBLEMS
- G. WINTERIZATION AND SPRING START UP PROCEDURES

13. ALL VALVES TO BE PLACED IN 'CARSON' GRADE LEVEL BOXES WITH BOLT -LOCK LIDS (OR APPROVED EQUIVALENT). SET BOXES 2 INCHES HIGHER THAN FINISH GRADE IN MULCH AREAS AND FLUSH WITH FINISH GRADE IN LAWN AREAS. JUMB BOX FOR CHECK VALVE, 10" ROUND BOX FOR GATE / QUICK COUPLER / WIRE SPLICES, AND 12" STANDARD FOR CONTROL VALVES. PROVIDE BOX EXTENSIONS AS REQUIRED.

14. MAINLINE PIPE TO BE BURIED 18 INCHES, LATERALS - 12 INCHES, AND SLEEVES - 24 INCHES BELOW FINISH GRADE. NO ROCKS OR DEBRIS TO BE BACKFILLED IN PIPE TRENCHES.

15. INSTALL MANUAL DRAINS AT ALL LOW POINTS AND RECORD ALL LOCATIONS ON THE "RECORD DRAWINGS".

16. HEAD AND LINE POSITIONING IS DIAGRAMMATIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR 100 PERCENT COVERAGE. VALVES TO BE POSITIONED ADJACENT TO PAVEMENT / CURBS IN SHRUB BEDS WHERE POSSIBLE. IRRIGATION LINES ARE THAT ARE SHOWN WITHIN HARD SURFACE AREAS FOR CLARITY, SHALL BE LOCATED WITHIN LANDSCAPE PLANTING AREAS OR UNDERGROUND SLEEVES.

17. ADJUST RADIUS ON ALL SPRINKLER HEADS TO MAXIMIZE THE COVERAGE AND MINIMIZE OVERSPRAY ON ALL HARD SURFACES. ADD ANTI-DRAIN CHECK VALVES TO LOW HEADS TO ELIMINATE DRAINAGE AND RUN-OFF.

18. FAMILIARIZE OWNERS FACILITY OPERATOR WITH IRRIGATION SYSTEM FUNCTION, CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS.

19. SPRINKLERS ON RISERS WILL NOT BE ALLOWED UNLESS NOTED ON PLANS.

20. FROM THE CONTROLLER INSTALL (2) TWO SPARE YELLOW WIRES TO EACH VALVE NO. 1 AND 3.

21. DO NOT SPICE THE RED SIGNAL WIRE BETWEEN THE CONTROLLER AND THE CONTROL VALVE. WIRE SPLICES SHALL BE

F. OTHER RELATED EQUIPMENT AS DIRECTED BY THE LANDSCAPE ARCHITECT.

12. PREPARE AND PROVIDE PRIOR TO COMPLETION OF CONSTRUCTION, A THREE RING BINDER CONTAINING THE FOLLOWING

A. INDEX SHEET STATING THE CONTRACTOR'S NAME, ADDRESS, TELEPHONE NUMBER, E-MAIL AND A LIST OF

EQUIPMENT WITH THE NAME AND ADDRESS OF LOCAL MANUFACTURER'S REPRESENTATIVES. B. CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS CONTRACT.

D. COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.

H. CHART OF APPROXIMATE WATERING TIMES FOR SPRING, SUMMER AND FALL

I. A COPY OF THE 'AS-BUILT' DRAWINGS AND CONTROLLER CHART PER ZONE W/ WATERING TIMES

22. ALL ELECTRICAL EQUIPMENT TO BE UL TESTED AND APPROVED, AND BEAR THE U.L. LABEL.

23. CROSS CONNECTION INSPECTION REQUIRED. THE BACKFLOW DEVICE TO BE TESTED UPON THE ORIGINAL INSTALLATION. THE TESTING TO BE PERFORMED BY A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW TESTER. THE TEST REPORT TO BE SUBMITTED TO THE LOCAL WATER DISTRICT, OR PURVEYOR, AND OWNER WITH A COPY TO LANDSCAPE ARCHITECT. CONTRACTOR TO INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INITIAL INSPECTION.

24. CONTRCATOR TO PROVIDE WINTERIZATION AND SPRING START UP SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL TO THE ABOVE DATES, OR AS FREEZE / PRECIPITATION CONDITIONS DETERMINE SERVICE NEED.

25. IRRIGATION SCHEDULING:

THE IRRIGATION SYSTEM CONTROLLER CONTAINS A WATER BUDGET FEATURE. PERIODIC (WEEKLY) ADJUSTMENT OF THE WATER SCHEDULE IS INTENDED TO BE MADE VIA BUDGET ADJUSTMENT. RE-ADJUST WATERING DAYS AT 100% BUDGET WHEN ADJUSTMENT EXCEEDS 30%. SET CONTROLLER FOR HIGHEST ETO WATER SCHEDULE, BASED ON PUBLISHED LOCAL EVAPOTRANSPIRATION DATA. SYSTEM HAS BEEN DESIGNED FOR 50-80% DISTRIBUTION UNIFORMITY. LAWN ZONES SHOULD BE SCHEDULED FOR 100% REPLACEMENT FACTOR ON A TYPICAL MINIMUM 3-DAY CYCLE. SHRUB ZONES SHOULD BE PROGRAMMED AT 40-70% OF THE MONTHLY LAWN WATER REQUIRMENT ON A ONCE PER WEEK CYCLE. ALL WATERING IN EXCESS OF THE LOCAL ETO (FIELD RECHARGE) TO BE COMPLETED DURING THE CONSTRUCTION PHASE WHILE THE CONTRACTOR IS ON THE JOB SITE. OVER WATERING OF LANDSCAPE DUE TO CONTROLLER SCHEDULING TO BE GROUNDS FOR CONTRACTOR TO REPAIR ANY RESULTANT DAMAGES AT CONTRACTOR'S EXPENSE.

26. SUBSTITUTION OF IRRIGATION MATERIAL / EQUIPMENT TO BE MADE ONLY UPON WRITTEN APPROVAL OF OWNER'S REPRESENTATIVE.

27. CLEAN UP AND PROTECTION: DURING IRRIGATION WORK, KEEP ALL PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. PROTECT IRRIGATION WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE AND IRRIAGATION OPERATIONS AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIOD. TREAT, REPAIR, OR REPLACE DAMAGE LANDSCAPE AND IRRIGATION AS DIRECTED BY OWNER.

28. PRIOR TO BACKFILLING IRRIGATION TRENCHES, LANDSCAPE CONTRACTOR SHALL CONDUCT A WATER PRESSURE AND COVERAGE TEST IN THE PRESENCE OF THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR TO GIVE 3 (THREE) WORKING DAYS NOTICE PRIOR TO TEST. THE MAIN LINE IS TO BE PRESSURE TESTED FOR (1) ONE HOUR WITH '0' LOSS. THE COMPLETED TEST IS TO BE TURNED OVER TO THE GENERAL CONTRACTOR.

29. ALL CONTROL VALVES SHALL BE TAGGED USING PLASTIC MARKING NUMBERS. NUMBER VALVES AS PER PLAN.

30. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT WITH A PRE-CONSTRUCTION MEETING AND A FULL UNDERSTANDING OF THE SEQUENCE OF THE INSTALLATION OF THE IRRIGATION SYSTEM. IF THERE ARE PHASES OR COO'S TO BE ACCOMPLISHED IN A PHASED MATTER - COORDINATE THE MAINLINE LOCATION AND PHASES TO BE INSTALLED TO PREVENT BREAKAGE OR DOWN TIME DUE TO CONSTRUCTION SEQUENCING. INSTALL ISOLATION VALVES OR STUBS FOR EXTENDING SYSTEM WHEN NECESSARY. A UNIT PRICE FOR UNFORESEEN STUBS OR ISOLATION VALVES SHALL BE PROVIDED TO OWNER IN CONTRACT.



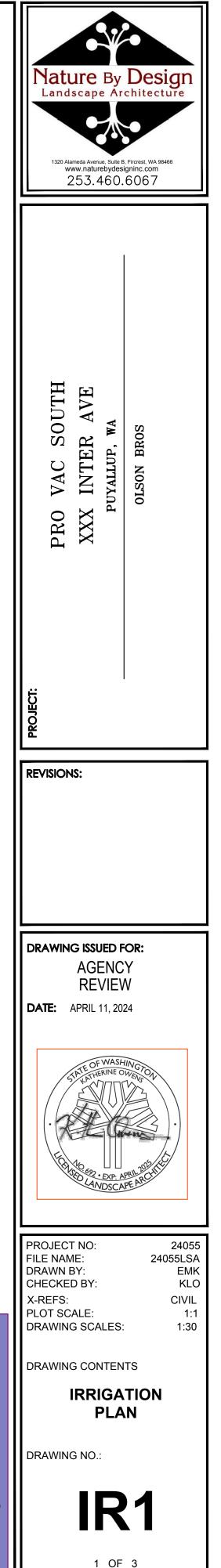
## Know what's **below**. Call before you dig.

CITY OF PUYALLUP Planning Division Approved Landscape Plan (253) 864-4165

Staff: RNBrown Date: 06/28/2024

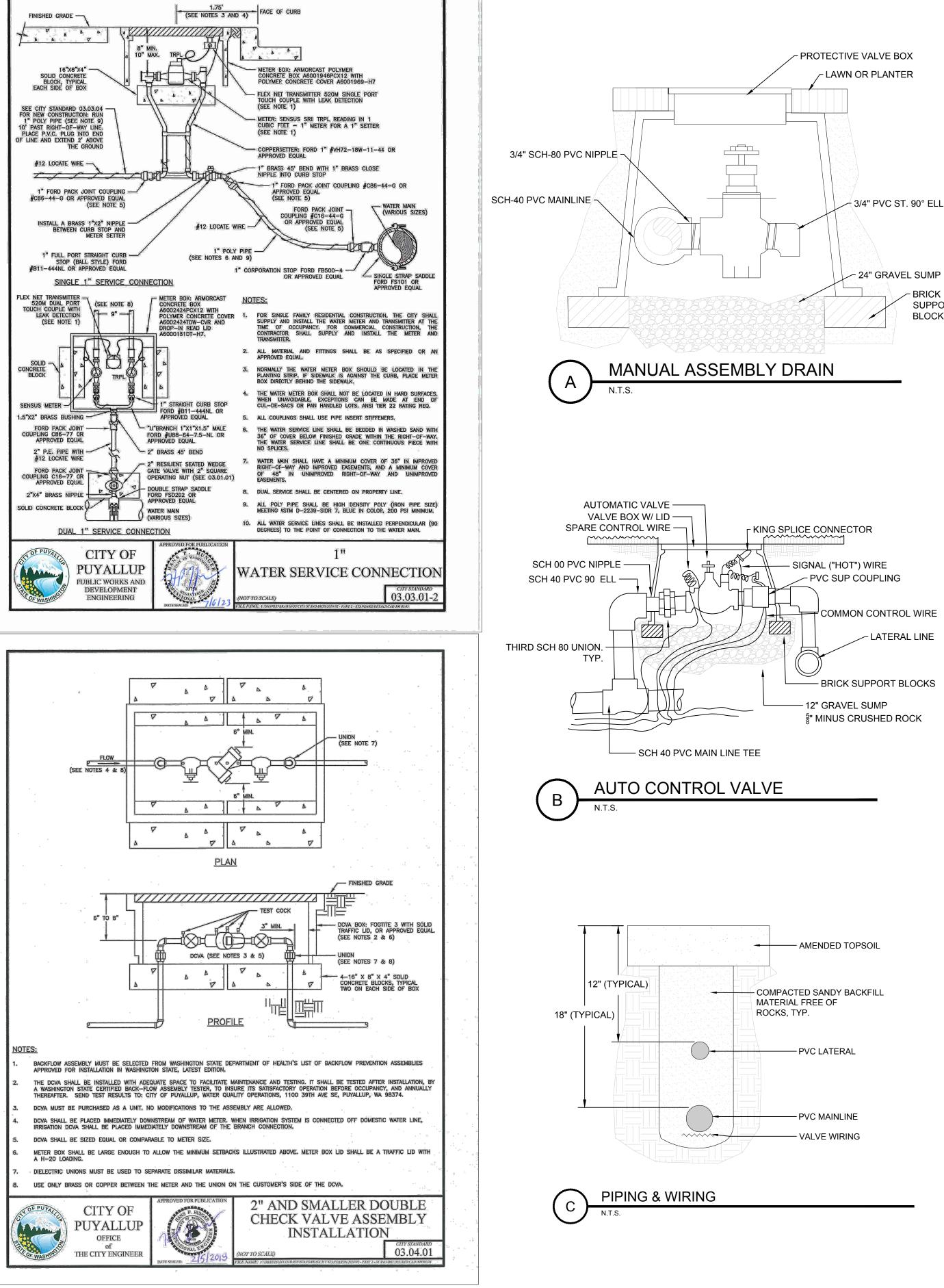
IIS APPROVAL IS VOID AFTER 180 DAYS ROM APPROVAL DATE. THE CITY IS NOT SPONSIBLE FOR ERRORS OR IISSIONS ON THESE PLANS. FIELD ONDITIONS MAY DICTATE CHANGES THESE PLANS AS DETERMINED BY THE LANNING DIRECTOR, DESIGNEE, OR ROJECT PLANNER.

OTE: If street trees are required, Call Planning ivision for final inspection: (253) 864-4165 (Opt t barriers are required around street trees in ordance with city standard detail. Top soil shall lled in accordance with city standards - field fication required. Failure to install top soil and ro arriers in accordance with the city standards may esult in rejection of installation.



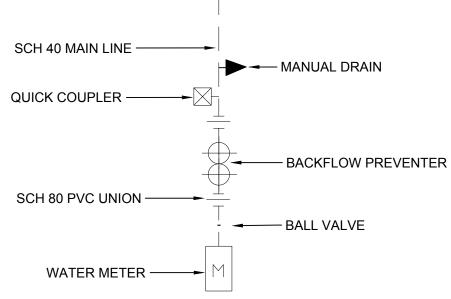
ORIG. SHEET SIZE 22X34

	1	EQUIPMENT LEGEND	1				
CATALOG NUMBER	SYMBOL	DESCRIPTION	PSI	EMITTER SPACING	GPH		
1800 SAM PRS 15 SST		RAINBIRD XFS-CV-06-9 SUB SURFACE DRIPLINE COMPONENTS TO BE USED WITH RAINBIRD XF DRIPLINE INSERT FITTINGS OR TWIST LOCK FITTINGS XFS-CV SUB SURFACE DRIP IRRIGATION FOR PLANTING AREAS WITH GROUNDCOVER, SHRUBS AND TREES. ABOVE NOTED DRIPLINE IS DESIGNED WITH .60 GPH EMITTERS SPACED AT 12 INCHES APART AND A ROW SPACING OF 18 INCHES NOTE: XFS-CV HAS A CHECK VALVE INTEGRATED	20	12"	.60		
NO SYMBOL RAINBIRD 'OPERIND' DRIP SYSTEM OPERATOR / PRESSURE IND PROVIDED FOR EACH ZONE					KES,		
	NO SYMBOL	RAINBIRD SOIL STAPLES, MAX. EVERY 5 LINEAR FEET					
	NO SYMBOL DRIPLINE FLUSH VALVE: 1 PER IRRIGATION ZONE. LOCATE AT LOWEST ELEVATION WITHIN EACH ZONE, INSTALL IN 10 INCH VALVE BOX						
	DRIP IRRIGATION: HUNTER ICV SERIES ELECTRIC REMOTE CONTROL 2 VALVES PER VALVE BOX						
250 BG 150 HAM		HAMMOND BRASS GATE VALVE WITH WHEEL HANDLE					
950 XLT- 1 <sup>1</sup> / <sub>2</sub> "	$\Rightarrow$	WILKINS FEBCO DOUBLE CHECK ASSEMBLY (STATE APPROVED)					
NP 44QCV 1.00"		RAIN BIRD QUICK COUPLING VALVE WITH MATCHING KEY					
75 SV RS 0.75"		LAWN LIFE MANUAL DRAIN VALVE WITH RISING SWIVEL					
ICC SERIES	С	HUNTER AUTO CONTROLLER I-CORE IRRIGATION CONTROLLER. COORDINATE LINE VOLTAGE LINE INTO STEEL PEDESTAL (OR APPROVED SIMILAR)					
MINI CLICK		HUNTER AUTO RAIN SENSOR					
226BCDB 17"X30"X18"	NONE	NDS BACKFLOW BOW WITH BOLT DOWN LID					
214 BC 14"X19"X12"	NONE	NDS CONTROL VALVE BOX WITH LID					
312 BC 10"X10"	NONE	NDS ISOLATION AND MANUAL DRAIN VALVE BOX WITH LID					
SCH 40		SOLVENT WELD PVC MAIN LINE, SIZE AS SHOWN					
CL 200		SOLVENT WELD PVC LATERALS, SIZE AS SHOWN					
SCH 40	=======	SOLVENT WELD PVC SLEEVING, SIZE AS SHOWN					
14 1 UF	NONE	DIRECT BURY CONTROL WIRING, USE WHITE FOR THE COMMON, RED AS SIGNAL, AND YELLOW FOR THE SPARES.					



IRRIGATION EQUIPMENT SHOWN DIAGRAMATICALLY FOR PLAN CLARITY. COMMON TRENCH AND PLACE EQUIPMENT IN LANDSCAPE; MANIFOLD GROUPED VALVES IN ADJACENT SHRUB AREAS WHERE FEASIBLE.

SCH 40 PIPE SIZING CHART							
PIPE SIZE	3/4	1	1 1/4	1 1/2	2	2 1/2	
FLOW GPM	1-8	8.1-13	13.1-23	23.1-32	32.1-53	53.1-74	GPM (MAX.)





POINT OF CONNECTION

- BRICK SUPPORT BLOCKS

Nature By Design Landscape Architecture  $\sim$ 320 Alameda Avenue, Suite B, Fircrest, WA 98466 www.naturebydesigninc.co 253.460.6067 SOUTH IR AVE VAC SOU INTER A UYALLUP, WA PR0 XXX **REVISIONS:** DRAWING ISSUED FOR: AGENCY REVIEW **DATE:** APRIL 11, 2024 N. EXP. APK LANDSCAPE PROJECT NO: 24055 24055LSA FILE NAME: DRAWN BY: EMK KLO CHECKED BY: X-REFS: CIVIL PLOT SCALE: 1:1 DRAWING SCALES: N.T.S. DRAWING CONTENTS IRRIGATION DETAILS DRAWING NO .: IR2



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Staff: RNBrown Date: 06/28/2024

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NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city candards may parriers in accordance with the city standards may result in rejection of installation.

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2 OF 3

