

1 inch = 60 ft.

DI VNIT CULLUII E

LANT SCHEDULE					
REES	BOTANICAL / COMMON NAME	SIZE		QTY	
٠	ACER CIRCINATUM VINE MAPLE CLASS I TREE (15' H X 10' W)	2" CAL. B&B		15	
7. C	CALOCEDRUS DECURRENS INCENSE CEDAR CLASS II TREE (50' H X 15' W)	8' HT. MIN. B&B		35	
$\overline{\mathbf{\cdot}}$	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES' STREET KEEPER® HONEY LOCUST CLASS II TREE (45' H X 20' W)	2" CAL., B&B		25	
	PICEA OMORIKA SERBIAN SPRUCE CLASS III TREE (50' H X 20' W)	8° HT. MIN. B&B		28	
00000000000000000000000000000000000000	PSEUDOTSUGA MENZIESII 'FASTIGIATA' FASTIGIATA DOUGLAS FIR CLASS II TREE (45' H X 15' W)	6' HT. MIN. B&B		20	
E LINE	QUERCUS PALUSTRIS 'PRINGREEN' GREEN PILLAR® PIN OAK CLASS II TREE (45' H X 15' W)	2" CAL., B&B		7	
	QUERCUS X 'CRIMSCHMIDT' CRIMSON SPIRE™ OAK CLASS II TREE (45' H X 15' W)	2" CAL. B&B		13	
\bigcirc	ULMUS AMERICANA 'VALLEY FORGE' VALLEY FORGE AMERICAN ELM CLASS IV TREE (80' H X 60' W)	2" CAL. B&B		6	
\odot	ZELKOVA SERRATA 'VILLAGE GREEN' SAWLEAF ZELKOVA CLASS III TREE (40' H X 40' W)	2" CAL., B&B		21	
EXISTING	BOTANICAL / COMMON NAME	SIZE		QTY	
Annual Marian	EXISTING CONIFER TREE TO REMAIN			6	
\bigoplus	EXISTING DECIDUOUS TREE TO REMOVE			2	
SHRUBS	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY	
	ARBUTUS UNEDO 'COMPACTA' COMPACT STRAWBERRY TREE	5 GAL.	60" o.c.	119	
•	CORNUS STOLONIFERA 'KELSEYI' KELSEY DOGWOOD	3 GAL.	24" o.c.	373	
\bigcirc	ILEX CRENATA CONVEXA CONVEX JAPANESE HOLLY	5 GAL. 48" HT. MIN.	48" o.c.	78	
\bigcirc	JUNIPERUS SCOPULORUM 'SKYROCKET' SKYROCKET JUNIPER	8' HT. MIN.	48" o.c.	28	
₹`}	MAHONIA AQUIFOLIUM OREGON GRAPE	5 GAL. 48" HT. MIN.	48" o.c.	172	
	NANDINA DOMESTICA 'GULF STREAM' GULF STREAM HEAVENLY BAMBOO	3 GAL.	36" o.c.	31	
©	PIERIS JAPONICA MOUNTAIN FIRE MOUNTAIN FIRE JAPANESE PIERIS	3 GAL.	60" o.c.	90	
(PRUNUS LAUROCERASUS 'OTTO LUYKEN' OTTO LUYKEN LAUREL	3 GAL.	42" o.c.	99	
\odot	RIBES SANGUINEUM RED FLOWERING CURRANT	5 GAL.	48" o.c.	91	
+	SPIRAEA BETULIFOLIA 'TOR' BIRCHLEAF SPIREA	3 GAL.	30" o.c.	327	
+	THUJA OCCIDENTALIS 'SMARAGD' EMERALD GREEN ARBORVITAE	12' HT. MIN.	48" o.c.	28	
Santa Sa	THUJA OCCIDENTALIS 'SMARAGD' EMERALD GREEN ARBORVITAE	8' HT. MIN.	48" o.c.	132	
PERENNIALS	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY	
lacktriangle	PENNISETUM ALOPECUROIDES 'HAMELN' HAMELN FOUNTAIN GRASS	1 GAL.	24" o.c.	92	
INES	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY	
Δ	LONICERA JAPONICA 'HALLIANA' HALLS HONEYSUCKLE FLOWERING VINE	1 GAL.	24" o.c.	19	
\triangle	LONICERA X 'MANDARIN' MANDARIN HONEYSUCKLE	1 GAL.	24" o.c.	19	
GROUND COVERS	BOTANICAL / COMMON NAME ARCTOSTAPHYLOS UVA-URSI	SIZE	SPACING	QTY	
	KINNIKINNICK CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	1 GAL.	18" o.c.	1,301 SF	
	KARL FOERSTER FEATHER REED GRASS CAREX OBNUPTA	1 GAL.	24" o.c.	1,842 SF	
	SLOUGH SEDGE POLYSTICHUM MUNITUM	1 GAL.	18" o.c.	1,192 SF	
	WESTERN SWORD FERN	3 GAL.	24" o.c.	6,274 SF	
	ROCK MULCH MAINTENANCE BAND 1"-2" ROUND ROCK			1,683 SF	
	RUBUS CALYCINOIDES 'EMERALD CARPET' EMERALD CARPET CREEPING BRAMBLE	1 GAL.	18" o.c.	13,431 SF	
	SUNMARK SEEDS NORTHWEST LAWN MIX	8LBS/1000SF		3,976 SF	
	UNDERSTORY BLEND 50% MAHONIA REPENS, 50% POLYSTICHUM MUNITUM	3 GAL.	24" o.c.	2,488 SF	

LANDSCAPE NOTES

CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITIONS PRIOR TO COMMENCING

- CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH PLANTING ROOT ZONES. TO REQUEST LOCATES FOR PROPOSED EXCAVATION CALL 1-800-424-5555 (OR 811) IN WASHINGTON.
- NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
- LOCATION OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK
- VEGETATION PROTECTION SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING STACKING, STORING, STOCKPILING, OR ACCUMULATION OF GOODS OR MATERIALS IS PROHIBITED IN THE ROOT PROTECTION ZONE. SEE TREE PROTECTION DETAIL 9/L5.13 AND PUYALLUP APPENDIX 20 FOR TREE PROTECTION STANDARDS ON CONSTRUCTION
- DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAVING, OR OTHER STRUCTURE SHALL BE REPAIRED OR REPLACED TO PRE CONSTRUCTION CONDITIONS.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY DISRUPTION TO VEHICULAR

CIRCULATION PRIOR TO COMMENCEMENT OF ANY WORK

<u>PLANTING</u>

- ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE FROM ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT LIMITS.
- SHRUBS ADJACENT TO PARKING AREAS SHALL BE PLANTED 2 FT MINIMUM AWAY FROM THE BACK OF CURB. SHRUBS AND GROUNDCOVER ALONG OTHER PAVEMENT EDGES SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGE
- 3. ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.TREES IN THE RIGHT OF WAY SHALL BE TALL ENOUGH TO BE LIMBED UP TO AT LEAST 8 FT ABOVE DRIVE SURFACE GRADE WHILE MAINTAINING ENOUGH BRANCHES TO SUPPORT HEALTHY GROWTH.
- DO NOT PLANT TREES ABOVE WATERLINES, UTILITIES, OR OTHER UNDERGROUND PIPING.
- IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE DRIPZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.
- REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE-CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.
- EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS SO NOTED.
- A SOILS ANALYSIS, BY AN INDEPENDENT SOILS TESTING LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, SHALL BE USED TO RECOMMEND AN APPROPRIATE PLANTING SOIL AND/OR SPECIFIED SOIL AMENDMENTS.
- TOPSOIL SHALL BE AMENDED AS RECOMMENDED BY AN INDEPENDENT SOILS TESTING LABORATORY AND AS OUTLINED IN THE SPECIFICATION.
- 10. ALL LANDSCAPED AREAS SHALL BE COVERED BY A LAYER OF WOOD CHIPS MULCH TO A DEPTH OF 4-INCHES. TAPER MULCH DEPTH DOWN FROM 4-INCH TO 2-INCHES

IRRIGATION

SURFACING.

UNLESS OTHERWISE INDICATED, ALL NEW LANDSCAPE AREAS TO BE IRRIGATED WITH A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. PROVIDE LOOP SYSTEM FOR OPTIMUM EFFICIENCY.

STARTING 12-INCHES FROM THE EDGE OF PAVEMENT.

- 2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (IRRIGATION PLANS) TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. DRAWINGS TO INDICATE HEAD TYPE, GALLONS PER MINUTE, LATERAL LINES, AND BE AT MINIMUM SCALE OF 1"=20'
- CONTRACTOR TO DETERMINE STATIC WATER PRESSURE AT THE P.O.C. PRIOR TO PREPARING SHOP DRAWINGS.
- CONTRACTOR SHALL ESTABLISH MINIMUM PRESSURE AND MAXIMUM DEMAND REQUIREMENTS FOR IRRIGATION SYSTEM DESIGN, AND PROVIDE INFORMATION IN AN
- IRRIGATION SYSTEM AS DESIGNED AND INSTALLED SHALL PERFORM WITHIN THE TOLERANCES AND SPECIFICATIONS OF THE SPECIFIED MANUFACTURERS.
- SYSTEM SHALL BE DESIGNED TO SUPPLY MANUFACTURER'S SPECIFIED MINIMUM OPERATING PRESSURE TO FARTHEST EMITTER FROM WATER METER.
- SYSTEM SHALL PROVIDE HEAD TO HEAD COVERAGE WITHOUT OVERSPRAY ONTO BUILDING, FENCES, SIDEWALKS, PARKING AREAS, OR OTHER NON-VEGETATED
- ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHALL CONFORM TO APPLICABLE CODE FOR PIPING AND COMPONENT REQUIREMENTS.
- PROVIDE SLEEVING AT ALL AREAS WHERE PIPE TRAVELS UNDER CONCRETE OR HARD
- VALVES SHALL BE WIRED AND INSTALLED PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND CONNECTED TO THE IRRIGATION CONTROLLER.
- 11. REFER TO CIVIL DETAILS AND DETAILS ON L5.12 FOR POINT OF CONNECTION AND
- BACKFLOW PREVENTION INFORMATION. 12. CONTROLLER TO BE MOUNTED ON BUILDING EXTERIOR. GENERAL CONTRACTOR TO
- COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE.
- 13. ZONE THE FOLLOWING AREAS SEPARATELY: TEMPORARY AREAS, PERMANENT LANDSCAPE AREAS, AND TREES.
- 14. QUICK COUPLERS TO BE PLACED EVERY 300 LINEAR FEET MAX.
- IRRIGATION SHALL BE WINTERIZED THROUGH LOW PRESSURE, HIGH VOLUME AIR
- BLOWOUT CONNECTION THROUGH QUICK COUPLER.
- 16. THE SYSTEM SHALL BE GRAVITY DRAINED. THE CONTRACTOR SHALL PROVIDE APPROPRIATE MANUAL DRAINS AT LOW POINTS.

SHEET INDEX

- LANDSCAPE GENERAL INFORMATION
- L1.10 PLANTING PLAN EAST L1.11 PLANTING PLAN CENTRAL
- L1.12 PLANTING PLAN WEST
- L1.20 MATERIALS AND LAYOUT PLAN
- L5.10 SITE DETAILS
- L5.11 SOIL DETAILS IRRIGATION DETAILS L5.12
- L5.13 PLANTING DETAILS L5.14 STREET PLANTING DETAILS

TABLE OF ABBREVIATIONS

ANSI	AMERICAN NATIONAL	GAL	GALLON
	STANDARDS INSTITUTE	MIX	MIXTURE
B&B	BALL AND BURLAP	POC	POINT OF CONNECTIO POLY VINYL CHLORIDE
CAL	CALIPER	PVC	

SITE INFORMATION

JURISDICTION	PUYALLUP, WA
STORMWATER	PUYALLUP 2015
ZONE	ML

SITE AREA 341,226 SF (7.82 AC)

TYPE Ia BUFFER

BUFFER WIDTH (15' HT MIN) 15' AVE **EVERGREEN HEDGE (6' HT MIN)** 8' HT TWO TYPES NATIVE CONIFER TREES PROVIDED WALL OR FENCE (6' HT MIN) 6' HT BLACK CHAIN LINK WITH SLATS

BUFFER TYPE Ib - RESIDENTIAL SCREEN 109 LF 5 TREES (100%) TREES (1 PER 40 LF MAX) **EVERGREEN TREES (75% MAX)** 4 (80%) WALL (6' HT MIN) 6' HT

TYPE Ic BUFFER - VISUAL BARRIER 1,373 LF TREES (45 FT MATURE HT MIN) 50 FT HT EVERGREEN HEDGE (6 FT HT MIN) 6 FT BUFFER WIDTH (6 FT MIN) 10-27 FT

TYPE IIb BUFFER - FRONTAGE 320 LF TREES (30 FT OC MAX) 9 TREES (112%) TREES (50% EVERGREEN MIN) 5 (55%) 160 SHRUBS

TYPE IIIa PERIMETER LANDSCAPE 71 LF 2 TREES TREES (1 PER 40 LF) **EVERGREEN (MAX 50%)** 1 (50%)

TYPE IV INTERNAL PARKING LOT LANDSCAPE OVERALL SITE AREA

SHRUBS (EVERGREEN, 5 FT OC MAX)

PAVED AREA 156,745 SF (100%) LANDSCAPE AREA (10% MIN) 22,495 SF (14.4%) PARKING LOT LANDSCAPE AREA 9,527 SF TRAILER LANDSCAPE AREA 3,749 SF SD-1 LANDSCAPE AREA 9,219 SF TOTAL TREES 36 TREES (100%) TOTAL CONIFER TREES (50% MIN) 21 TREES (58.3%)

341,226 SF (100%)

TRAILER AREA* PAVED AREA 33,012 SF (100%) LANDSCAPE AREA (10% MIN) 3,749 SF (11.4%) *IN LIEU OF PROVIDING ISLANDS WITHIN THE TRAILER AREA, AN EQUIVALENT AREA OF LANDSCAPE IS PROVIDED ADJACENT TO THE

SD-01 BLANK WALL LANDSCAPING

TRAILER AREA.

STAFF IS SUPPORTIVE OF REDUCING THE BLANK WALL PLANTER WIDTH ALONG THE SOUTH SIDE OF THE BUILDING DEPENDENT UPON MITIGATION IN THE FORM OF CU-STRUCTURAL SOIL IN A TOTAL SOIL VOLUME EQUAL TO THAT WHICH WOULD HAVE BEEN PROVIDED IF THE FULL 15' PLANTER WIDTH HAD BEEN INSTALLED.

OADING AREA BUFFER 100.5 LF PER PMC 20.26.400(3) & 20.26.500(1) 6 TREES TREES (1 PER 15') 6' FT HT SHRUBS (6' HT MIN)

Architecture - Interiors

Planning - Engineering

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Client

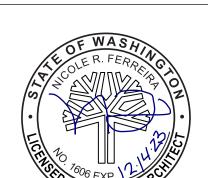
CREF3 PUYALLUP OWNER LLC

11611 SAN VICENTE BLVD **10TH FLOOR** LOS ANGELES CA 90049

Project **FORTRESS** -

240 15TH ST SE **PUYALLUP, WA,** 98372

PUYALLUP



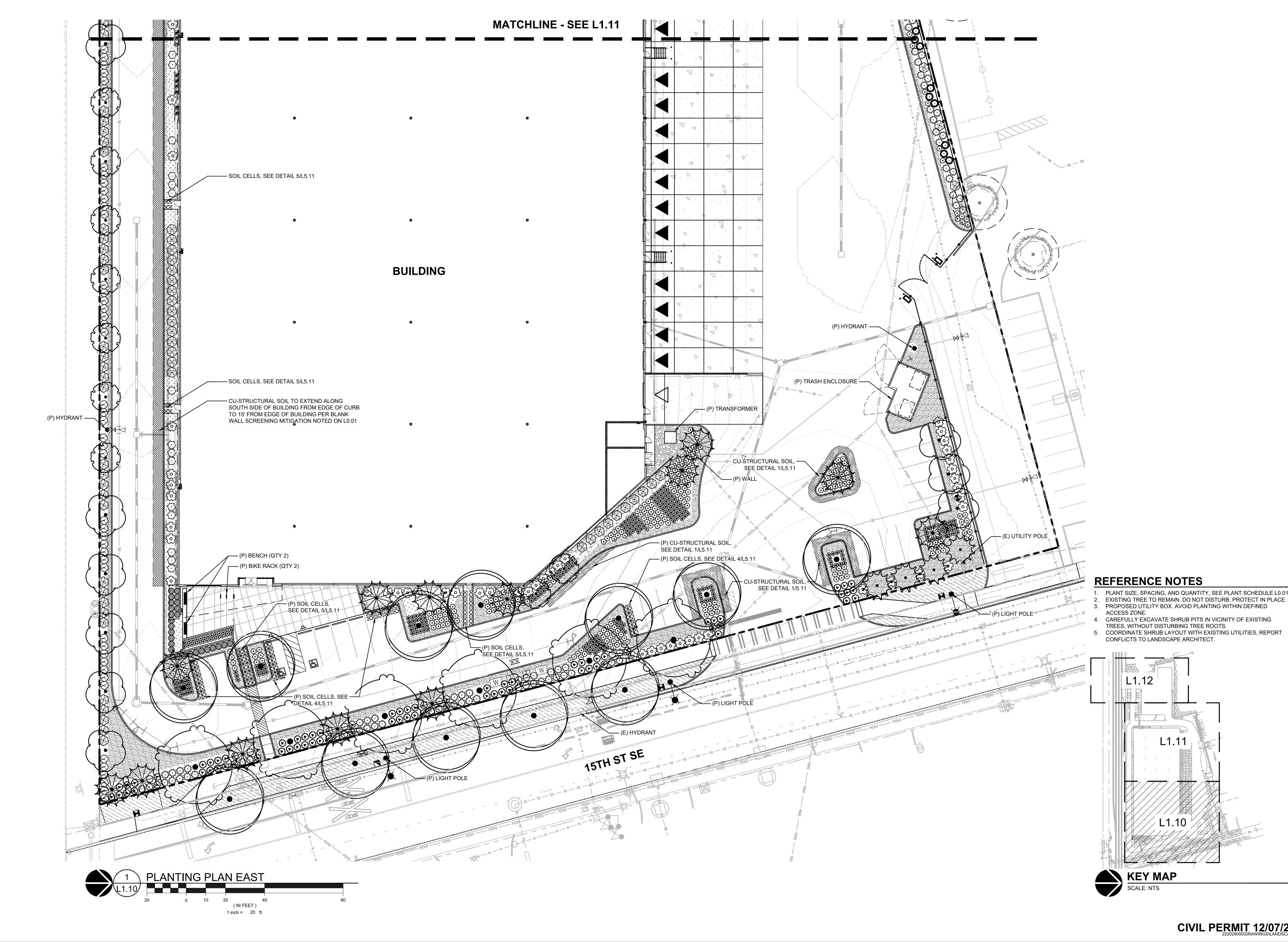
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Delta	Issued As	Issue Date	
1	PLAN CHECK	12/07/2023	

LANDSCAPE GENERAL INFORMATION

2220290.00





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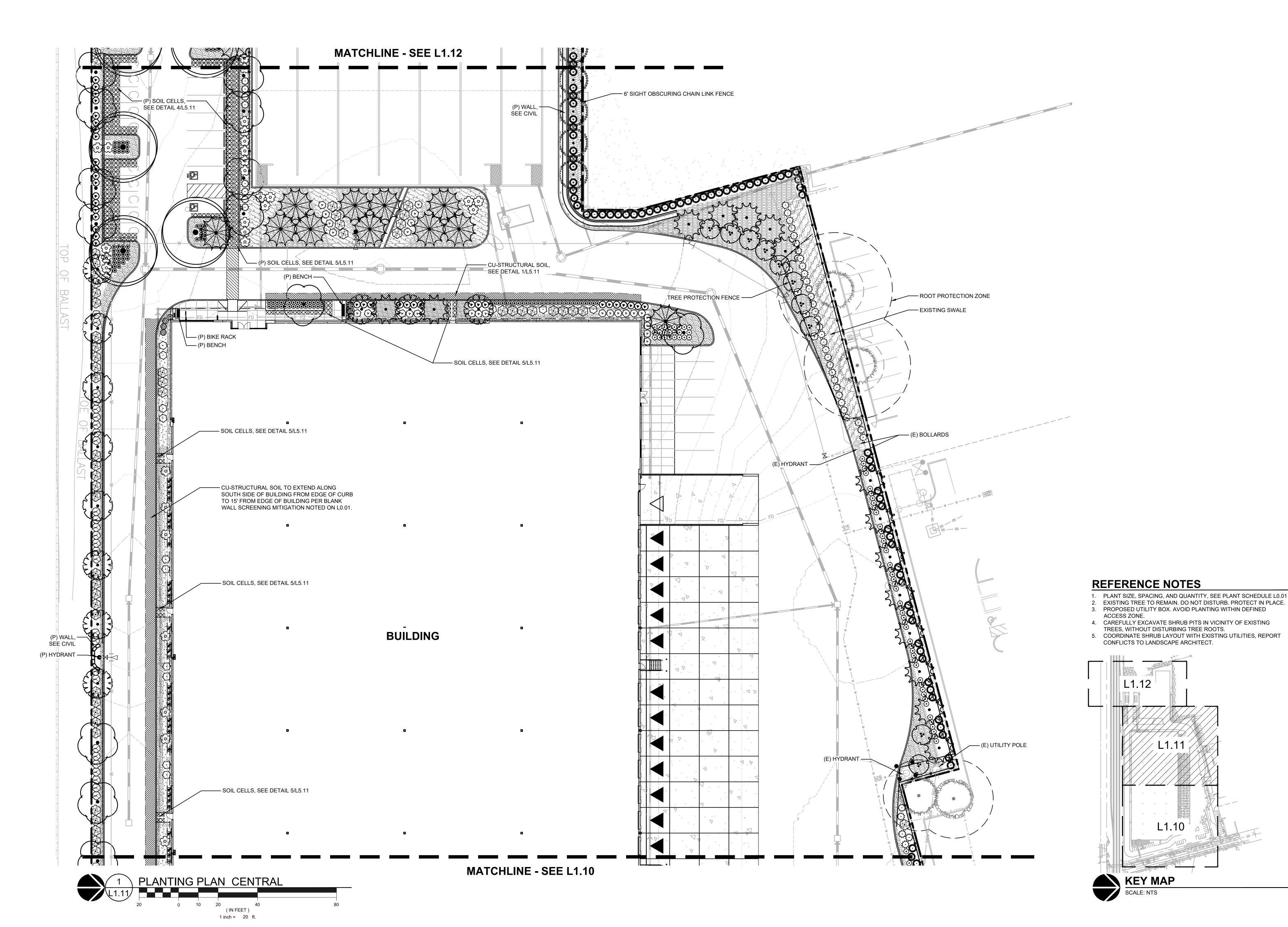
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PLANTING PLAN

EAST

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OUEET TITLE		

PLANTING PLAN CENTRAL

SHEET:

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Project
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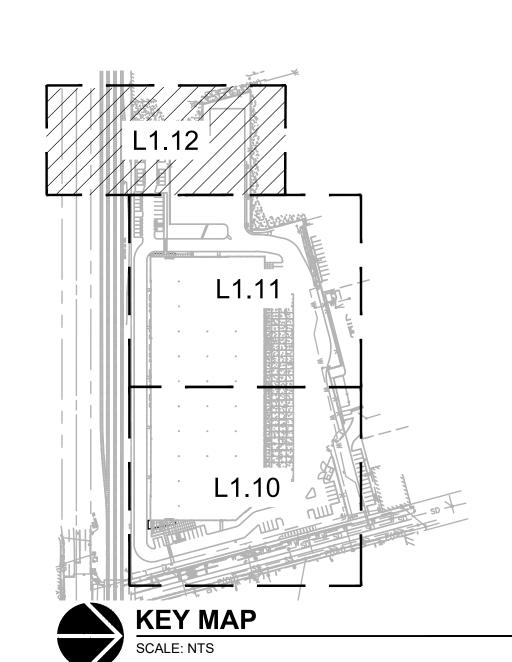
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REFERENCE NOTES

 PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01
 COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES, REPORT CONFLICTS TO LANDSCAPE ARCHITECT.



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PLANTING PLAN

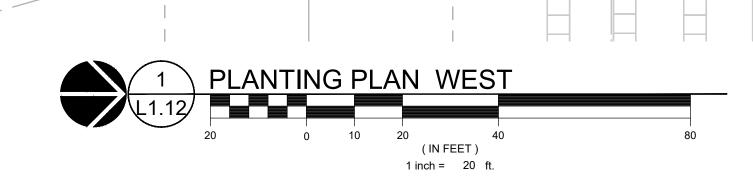
PLANTING PLA WEST

SHEET:

L1.12

JOB NO.

JOB NO. **2220290.00**



— (P) SOIL CELLS, SEE DETAIL 4/L5.11

MATCHLINE - SEE L1.11

— (P) FENCE, SEE ARCH

RESIDENTIAL

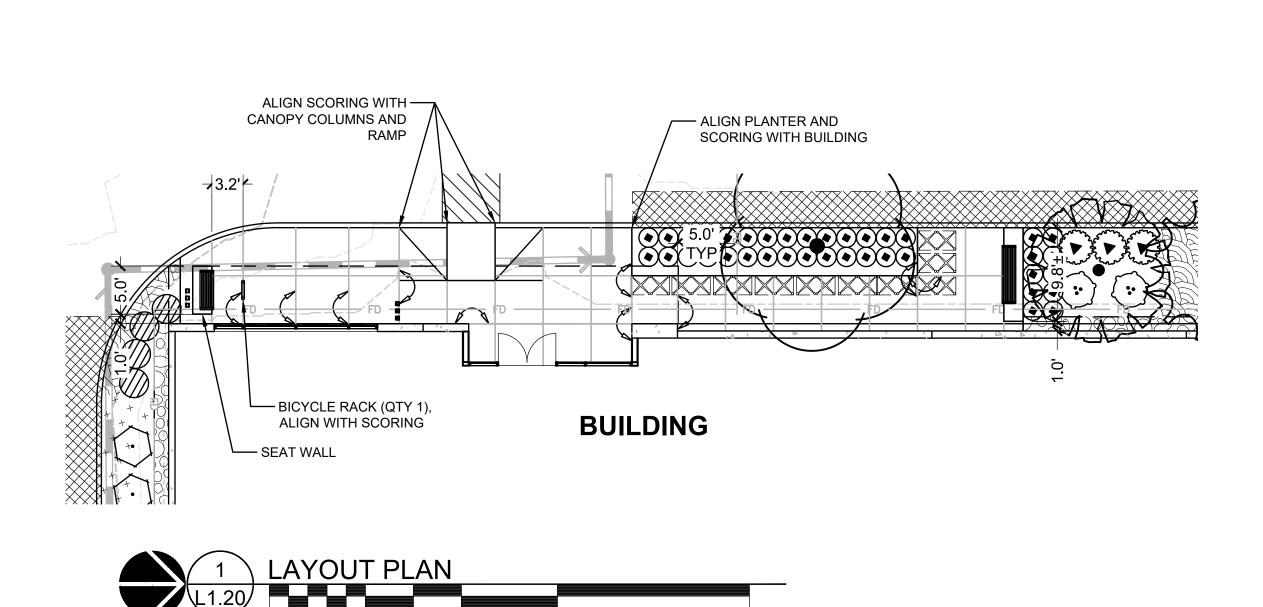
ZONING

RESIDENTIAL

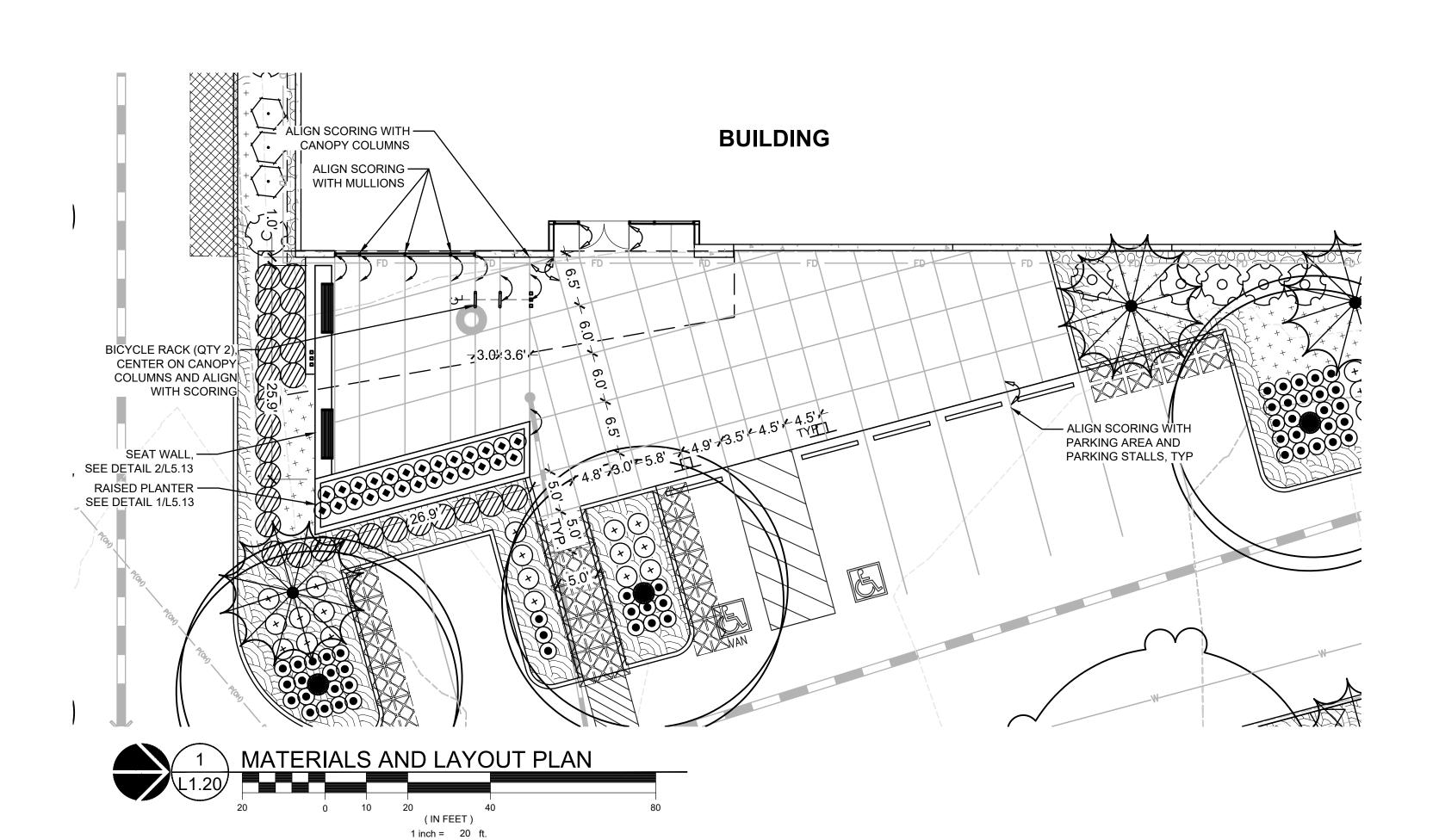
ZONING

RESIDENTIAL

ZONING



1 inch = 20 ft.





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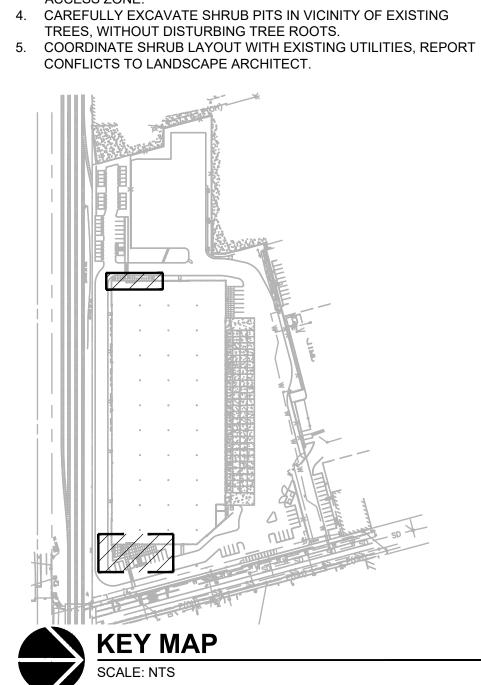
Project FORTRESS -**PUYALLUP**

> 240 15TH ST SE **PUYALLUP, WA,** 98372



REFERENCE NOTES

- 1. PLANT SIZE, SPACING, AND QUANTITY, SEE PLANT SCHEDULE L0.01
- EXISTING TREE TO REMAIN. DO NOT DISTURB. PROTECT IN PLACE. 3. PROPOSED UTILITY BOX. AVOID PLANTING WITHIN DEFINED ACCESS ZONE.



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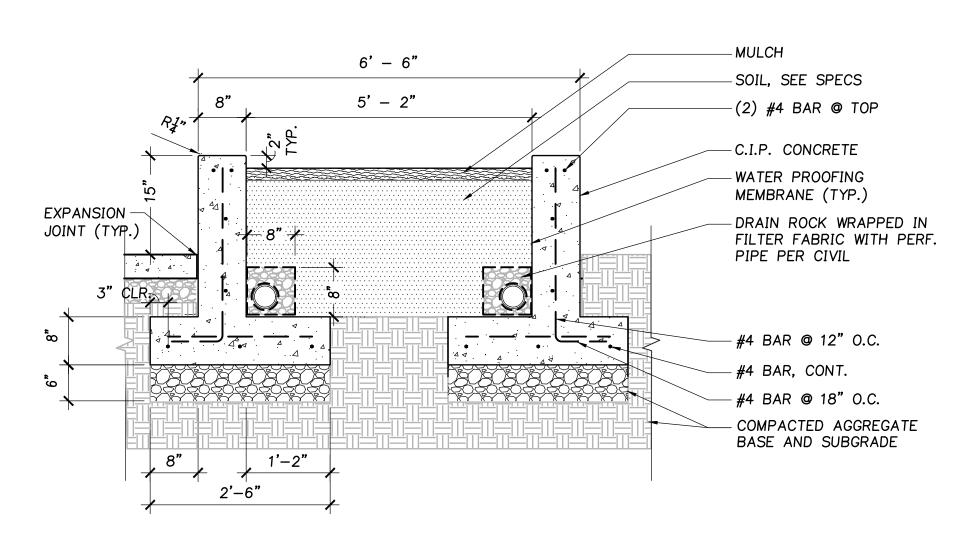
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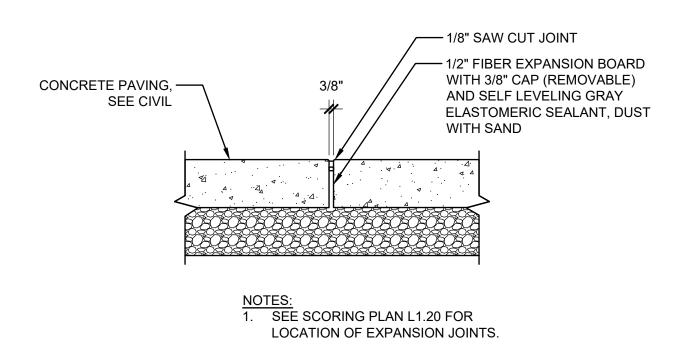
LAYOUT AND **MATERIALS PLAN**

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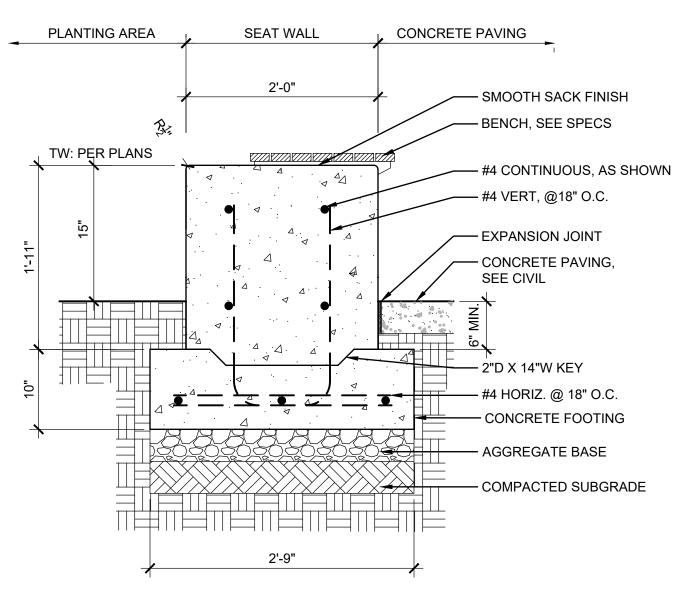
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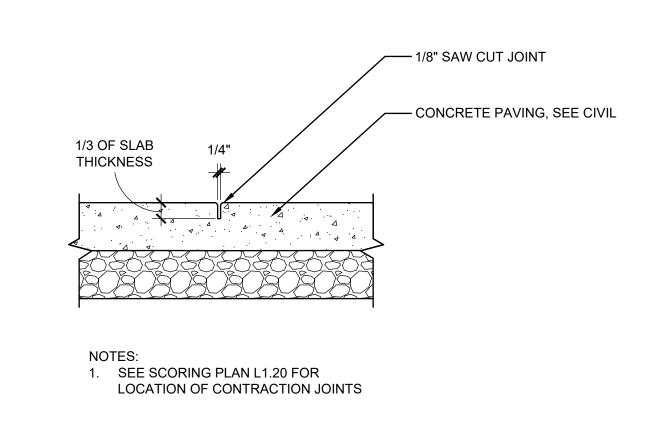


C.I.P PLANTER 3/4"=1'-0"



EXPANSION JOINT (EJ) SCALE: NTS





CONCRETE SEAT WALL

CONTRACTION JOINT (CJ)

SCALE: NTS

SCALE: NTS



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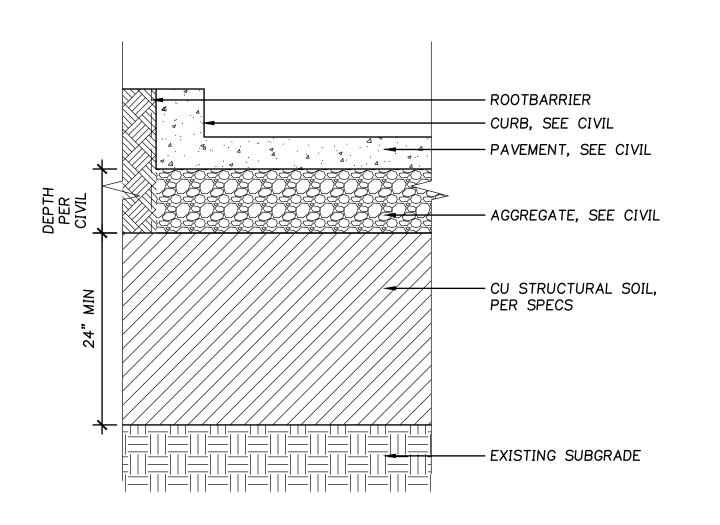


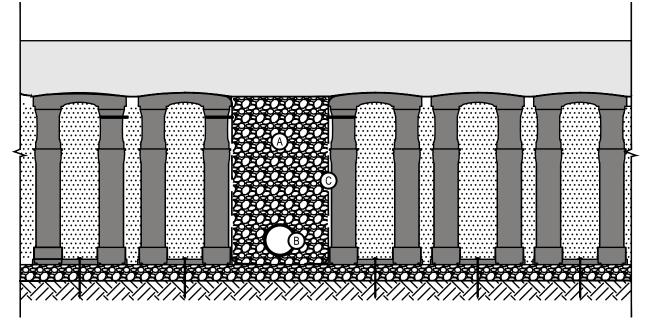
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SHEET TITLE:
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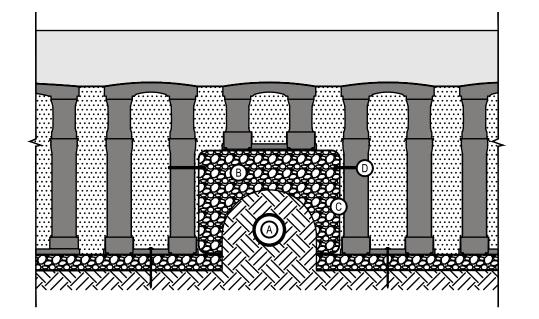
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(A) WASHED STONE WITHOUT FINES B EXAMPLE OF EXISTING OR PROPOSED UTILITY PROPOSED UTILITY

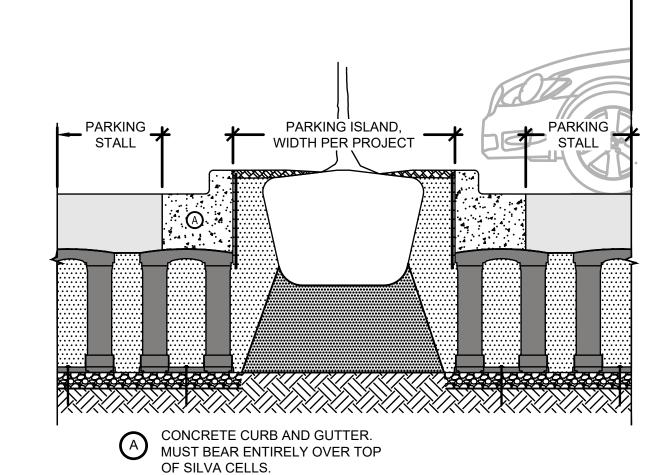
GEOGRID TO LINE PERIMETER OF AGGREGATE WITH 6" TOE (INWARD) AND12" EXCESS FOLDED OVER TOP OF ADJACENT DECKS



A EXAMPLE OF EXISTING OR PROPOSED UTILITY B WASHED STONE WITHOUT FINES

GEOGRID TO LINE PERIMETER OF AGGREGATE WITH 6" TOE (INWARD) AND 6" EXCESS (BETWEEN AGGREGATE AND BRIDGING CELL)

CABLE TIE, ATTACHING GEOGRID TO SILVA CELL AT BASE OF UPPER POST FLARE



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SCALE: NTS

CU-STRUCTURAL SOIL

SCALE: NTS

BRIDGING WITH AGGREGATE

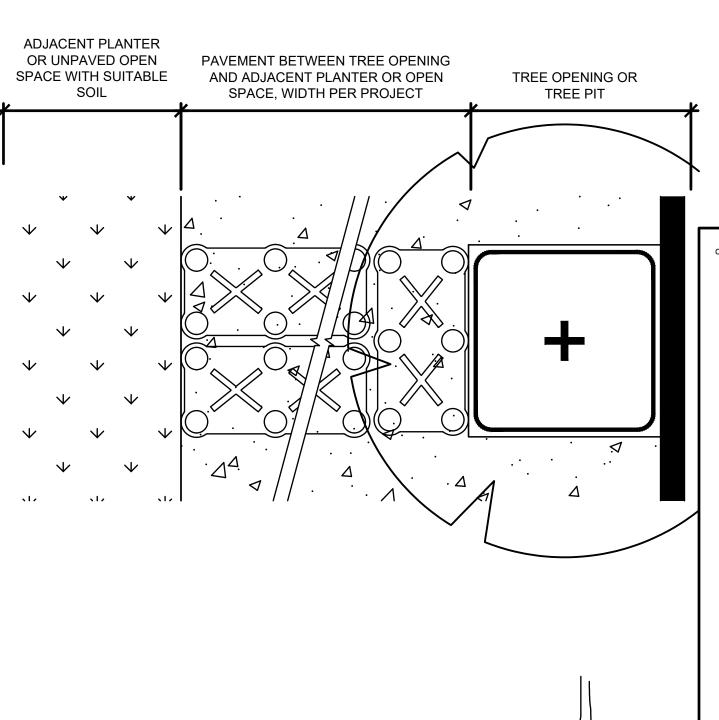
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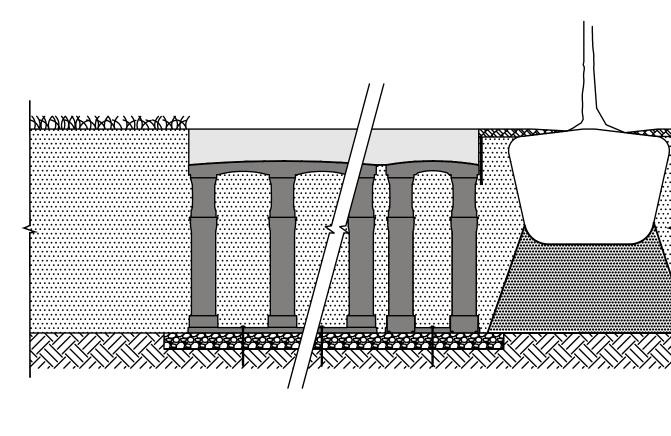
SCALE: NTS

BRIDGING OVER UTILITIES

SCALE: NTS

SOIL CELL







NOT TO SCALE KEY PLAN (A) SILVA CELL SYSTEM (DECK, BASE, AND POSTS) (B) SUBGRADE, COMPACTED (C) GEOTEXTILE FABRIC, PLACED ABOVE SUBGRADE (D) 4" MIN AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR (E) SILVA CELL BASE SLOPE, 10% MAX

(G) ANCHORING SPIKES, CONTACT DEEPROOT FOR ALTERNATIVE (H) GEOGRID, WRAPPED AROUND PERIMETER OF SYSTEM, WITH 6" TOE PAVEMENT (OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)

() CABLE TIE, ATTACHING GEOGRID TO SILVA CELL AT BASE OF UPPER LEG FLARE, AS NEEDED

(F) 1" TO 6" SPACING BETWEEN SILVA CELLS AT BASE

*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20 LOADING + AGGREGATE BASE COURSE 4" CONCRETE + 4" AGGREGATE + 12" AGGREGATE 3" PAVER .

P DEEPROOT ROOT BARRIER, 12" OR 18", DEPTH DETERMINED BY THICKNESS OF PAVEMENT SECTION, INSTALL DIRECTLY ADJACENT TO CONCRETE EDGE

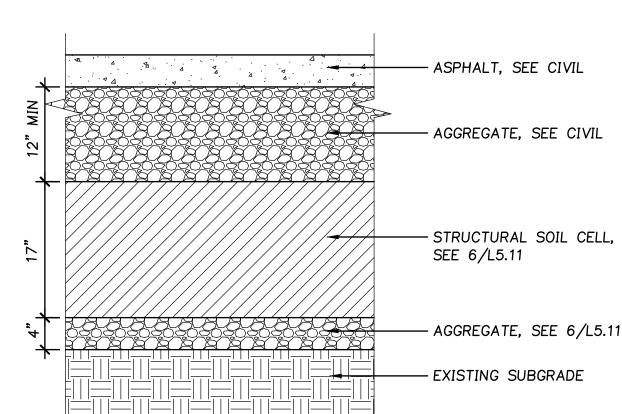
Q PLANTING SOIL BELOW ROOT BALL, COMPACTED WELL TO PREVENT SETTLING

R ROOT BALL

(V) UNDERDRAIN SYSTEM, WHEN REQUIRED (LOCATION AND DETAILS BY OTHERS)

1. EXCAVATION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY

4. DO NOT SCALE DRAWINGS

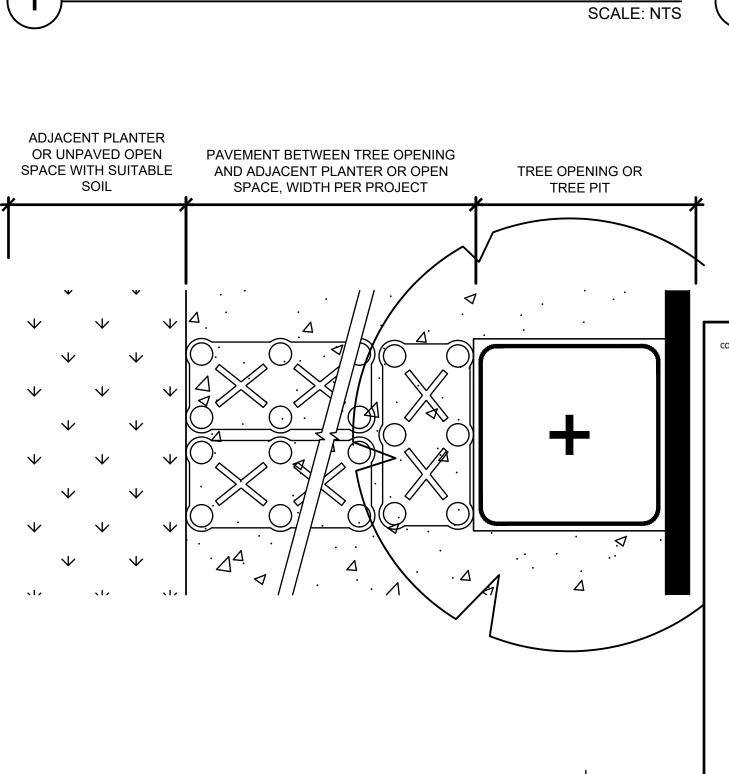


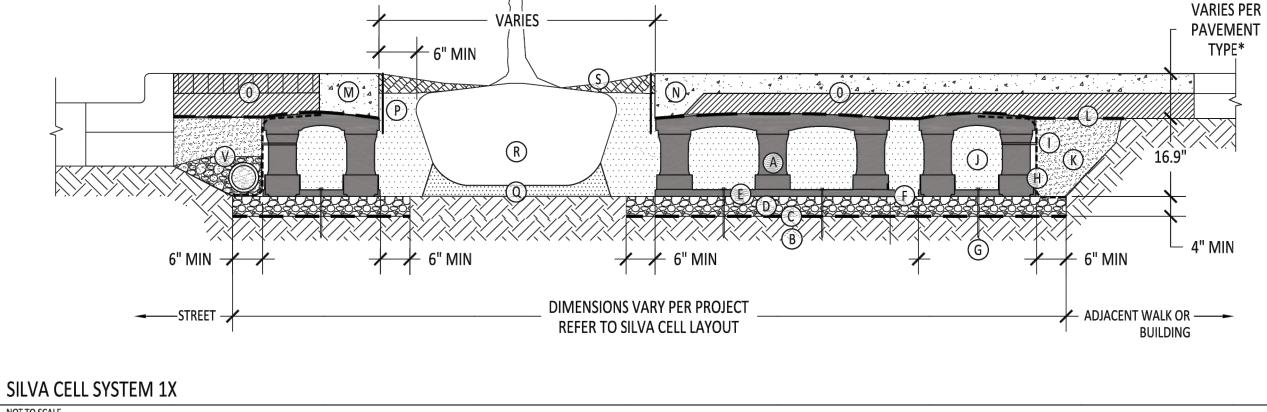
SOIL CELLS AT PAVEMENT SCALE: NTS

SHEET:

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CIVIL PERMIT 12/07/2023





J PLANTING SOIL, PER PROJECT SPECIFICATIONS, PLACED IN LIFTS AND WALK-IN COMPACTED TO 75-85% PROCTOR

(K) COMPACTED BACKFILL, PER PROJECT SPECIFICATIONS (L) GEOTEXTILE FABRIC TO EDGE OF EXCAVATION

(M) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS OR ASPHALT)

(N) THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE) O PAVEMENT AND AGGREGATE BASE PER PROJECT *

4" ASPHALT + 12" AGGREGATE 2.6" PAVER + 5" CONCRETE

S TREE OPENING TREATMENT, PER PROJECT SPECIFICATIONS

T NOT USED

U NOT USED

INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS PROVIDE SUPPLEMENTAL IRRIGATION

SILVA

NOT TO SCALE

SHEET TITLE: **SOIL DETAILS**

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1 PLAN CHECK 12/07/2023

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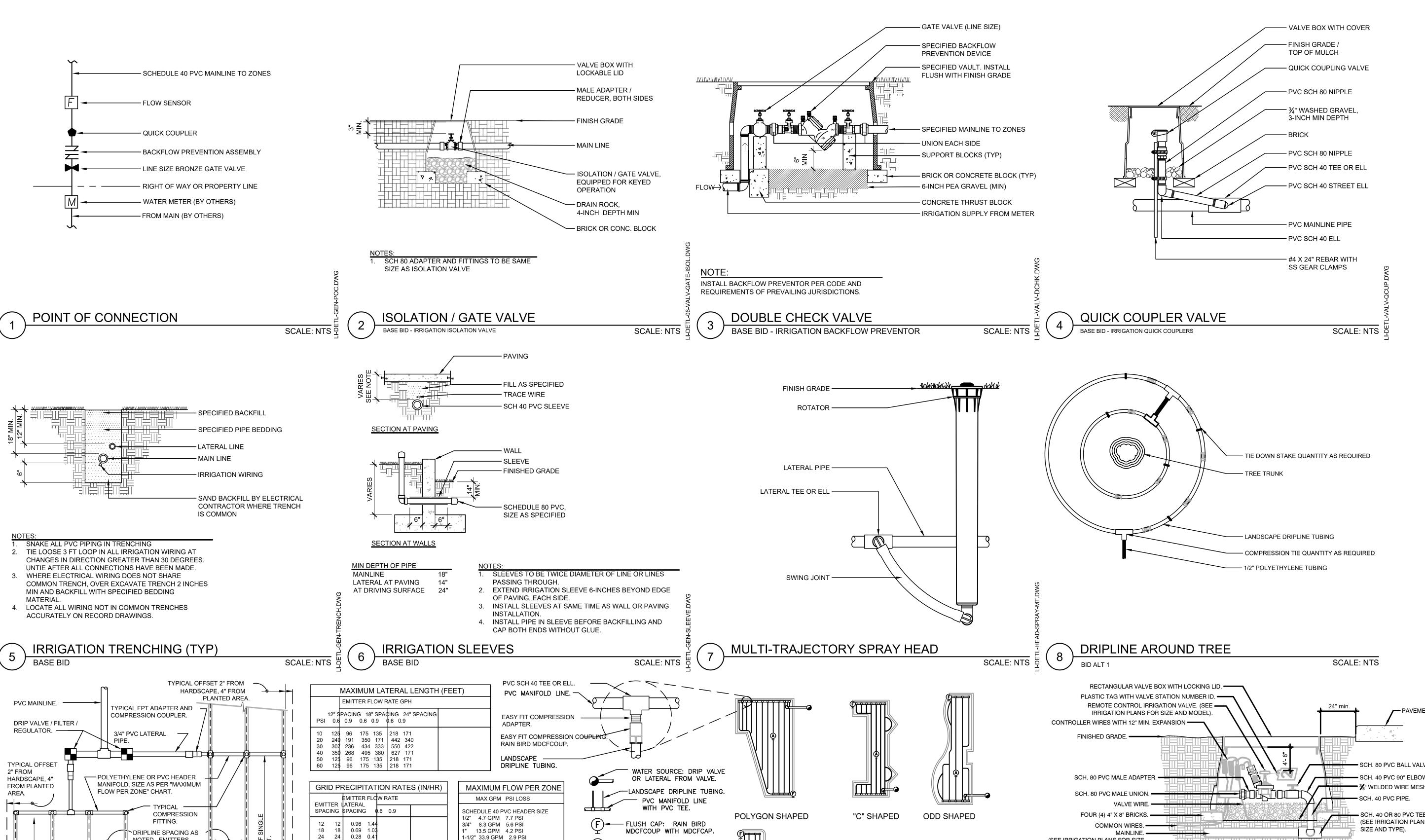
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AB VALVE KIT INSTALL AT

AR VALVE KIT, INSTALL AT

DOGBONE SHAPED

CORNER SHAPED

CURVED POLYGON

HOURGLASS SHAPED

P-PT.M-25

HIGH POINT OF SYSTEM.

52.4 GPM 1.9 PSI

POLY PIPE HEADER SIZE

1/2" 4.7 GPM 8.8 PSI

3/4" 8.3 GPM 6.3 PSI

1-1/2" 31.8 GPM 2.9 PSI

13.5 GPM 4.8 PSI

52.4 GPM 2.2 PSI

⅓ OF

LATERAL FLOW PER 100 FT (GPM)

2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.

3. NORMAL SPACING WITHIN THE TOP ²/₃ OF SLOPE, 4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM

1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE

5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM

FLOW SPACING SPACING

0.6 GPH 1.0 GPM 0.67 GPM 0.50 GPM 0.9 GPH 1.5 GPM 1.0 GPM 0.75 GPM

SLOPED CONDITION NOTE:

THE SLOPE.

WHENEVER POSSIBLE.

ON A SEPARATE VALVE.

NOTED. EMITTERS

TRIANGULAR SPACING.

AIR RELIEF VALVE AT

TYPICAL DRIP LINE -

SPACING AS NOTED.

TIE DOWN STAKE AT

AT 4' O.C. AT CLAY,

2' O.C. AT SAND.

TO CAP AT LOW END,

TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS

AS NOTED.

END FEED EXAMPLE

N.T.S.

ALL TEES, ELLS, AND

3' O.C. AT LOAM, OR

CENTER FEED EXAMPLE

HIGH POINT, AS

WITH EMITTER

OFFSET FOR

INDICATED.

PAVEMENT. SCH. 80 PVC BALL VALVE. SCH. 40 PVC 90° ELBOW. ━ 🔏" WELDED WIRE MESH. SCH. 40 OR 80 PVC TEE OR ELBOW. (SEE IRRIGATION PLAN MAINLINE MAINLINE. (SEE IRRIGATION PLANS FOR SIZE AND TYPE).

1- LOCATE VALVE BOX WITHIN 24" OF PAVEMENT EDGE IN PLANTING AREA WHERE EASILY ACCESSIBLE WHENEVER POSSIBLE.

2- COMMON WIRE AND CONTROLLER WIRE SHALL BE DIRECT BURIAL 14 AWG OR LARGER. COLOR: COMMON (WHITE), CONTROLLER WIRE FOR TURF (BLUE), AND CONTROLLER WIRE FOR SHRUBS (RED). (SEE SPECIFICATIONS FOR 2-WIRE CONTROLLERS).

3- ALL WIRE RUNS SHALL BE CONTINUOUS WITHOUT ANY SPLICES UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. SEE SPLICE BOX DETAIL. WIRE CONNECTIONS SHALL BE MADE USING DBR/Y-6 CONNECTORS OR APPROVED EQUAL.

4-VALVE BOX SHALL BE WRAPPED WITH MIN. 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.

5- MAINLINES 4" OR LARGER SHALL USE SADDLES AT THE CONNECTIONS POINTS TO THE IRRIGATION VALVE. (SEE SPECIFICATIONS FOR IRRIGATIONS

6- ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.

7- VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

REMOTE CONTROL IRRIGATION VALVE

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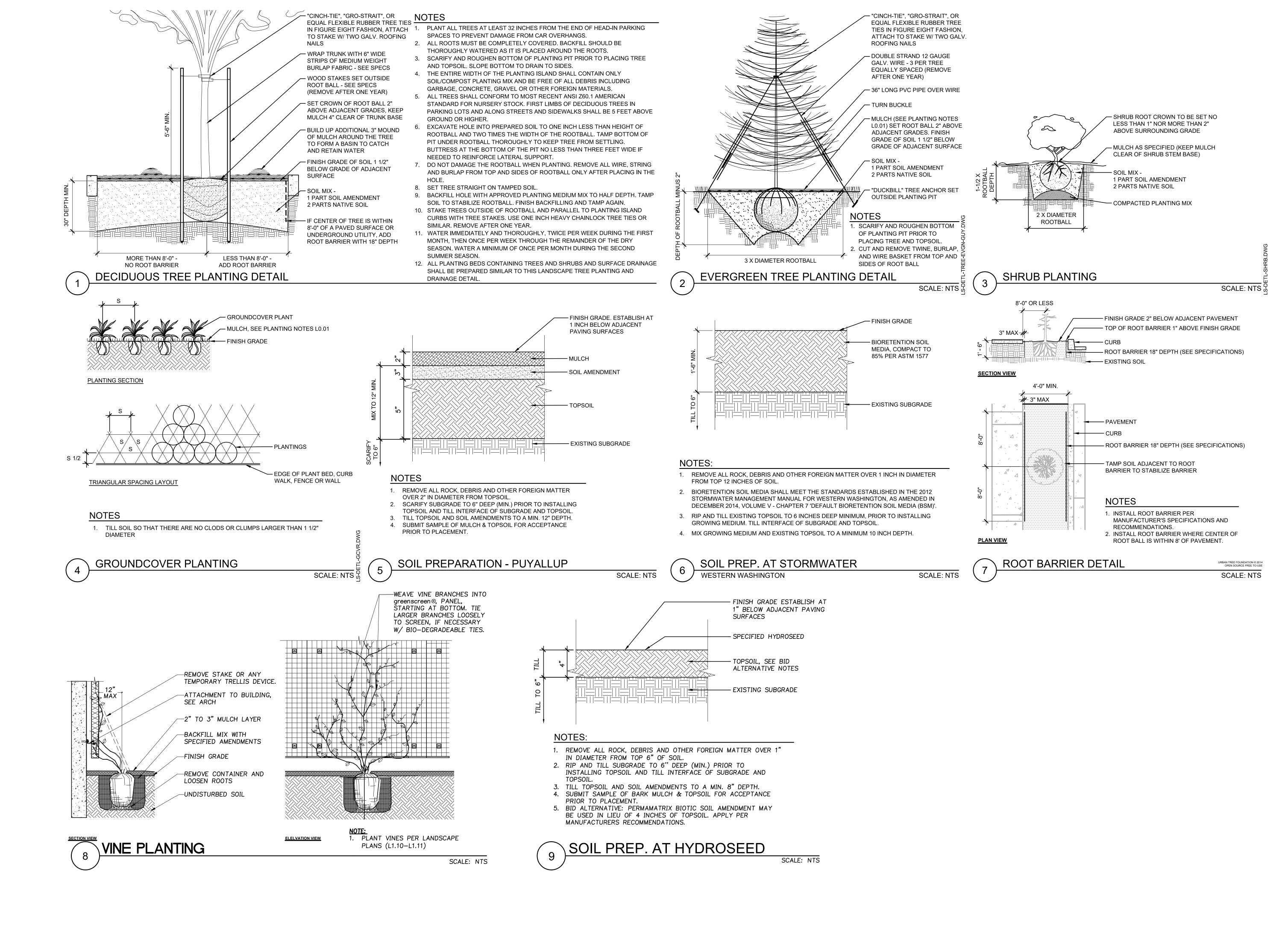
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SHEET TITLE: **IRRIGATION**

DETAILS

SHEET:



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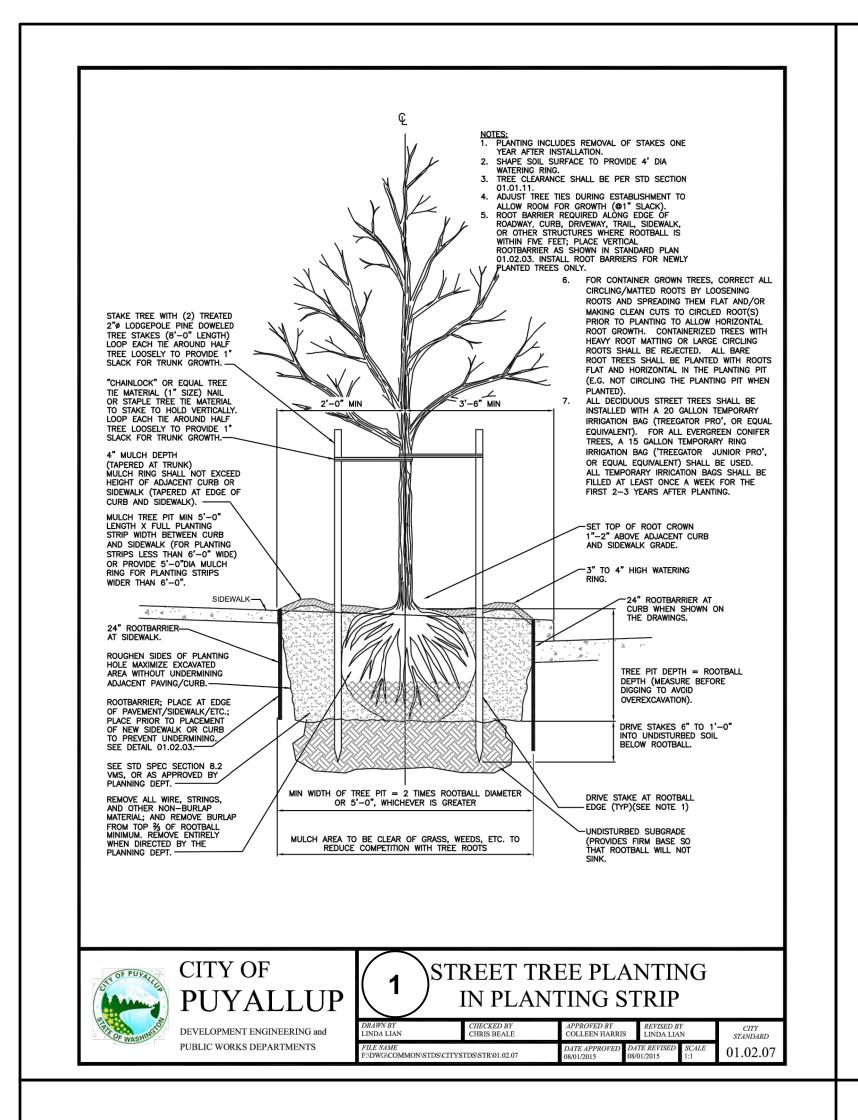
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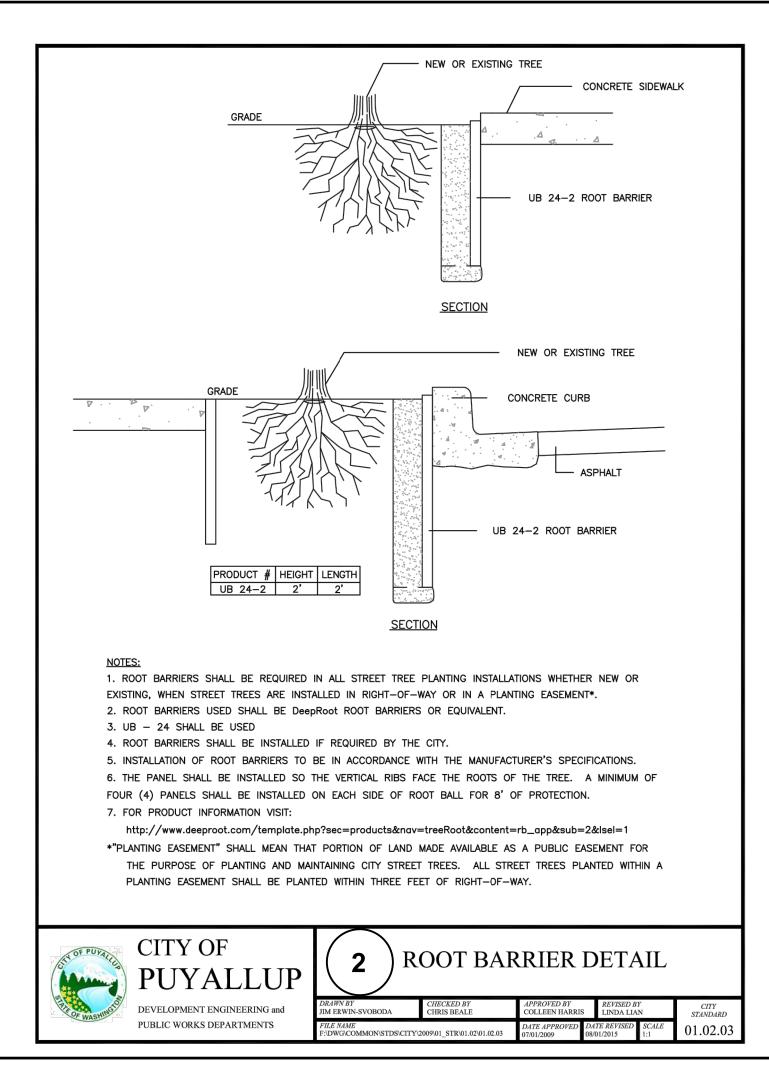
PLANTING DETAILS

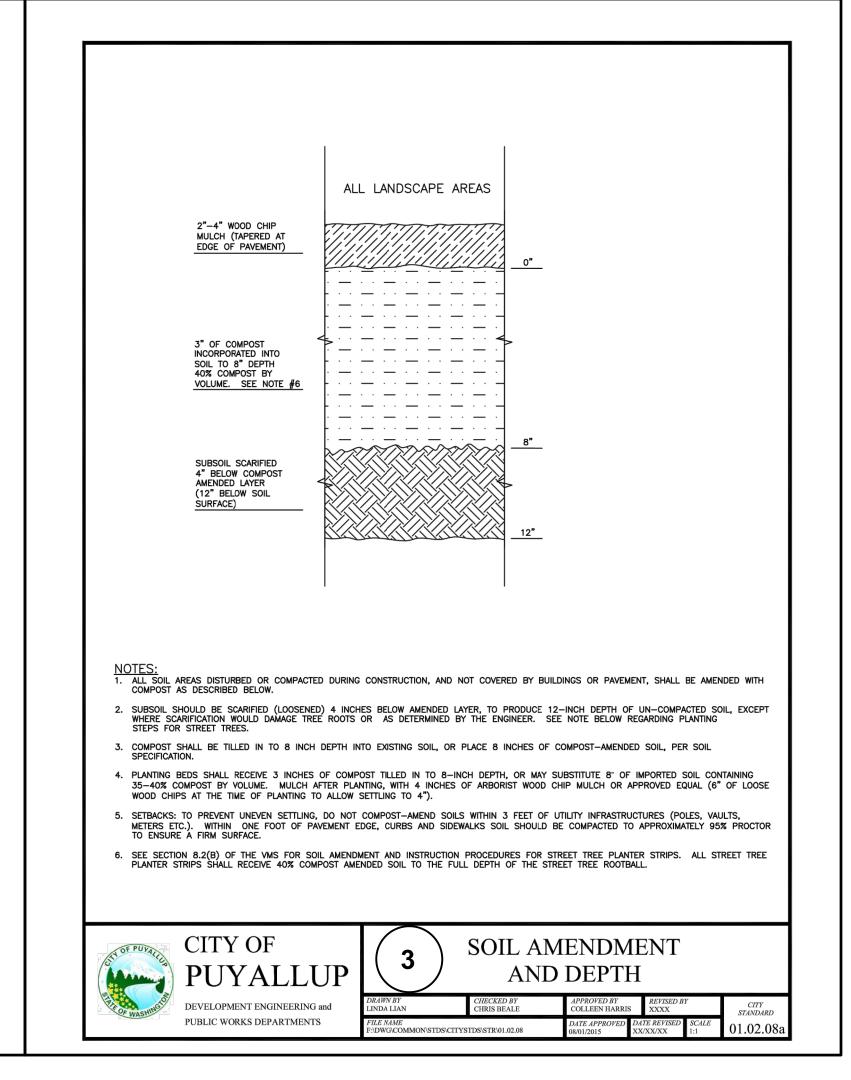
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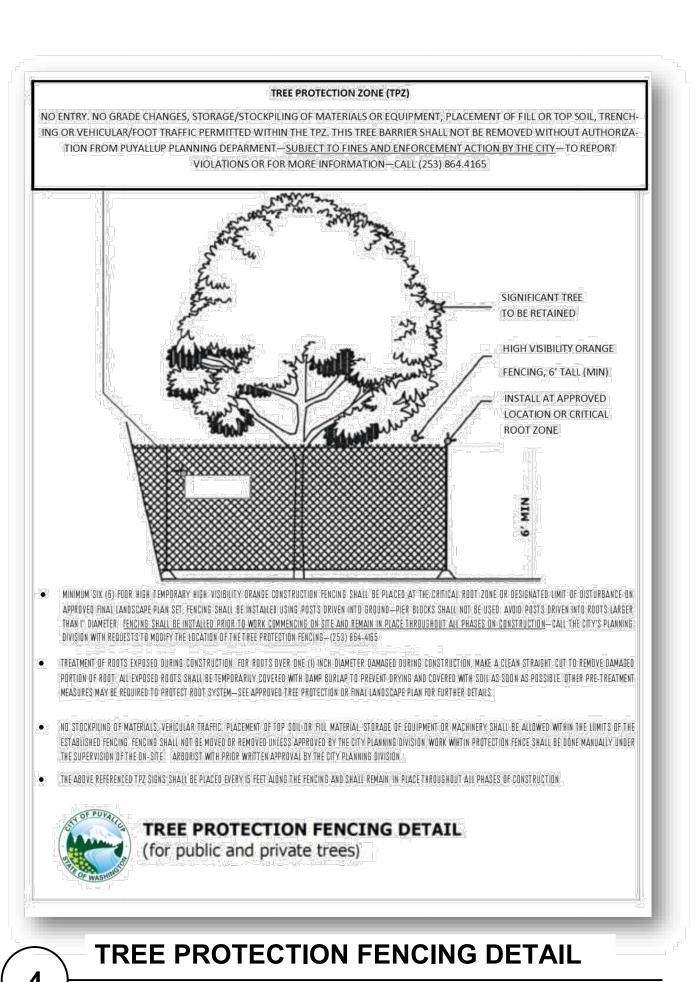
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SHEET TITLE:

STREET PLANTING DETAILS



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