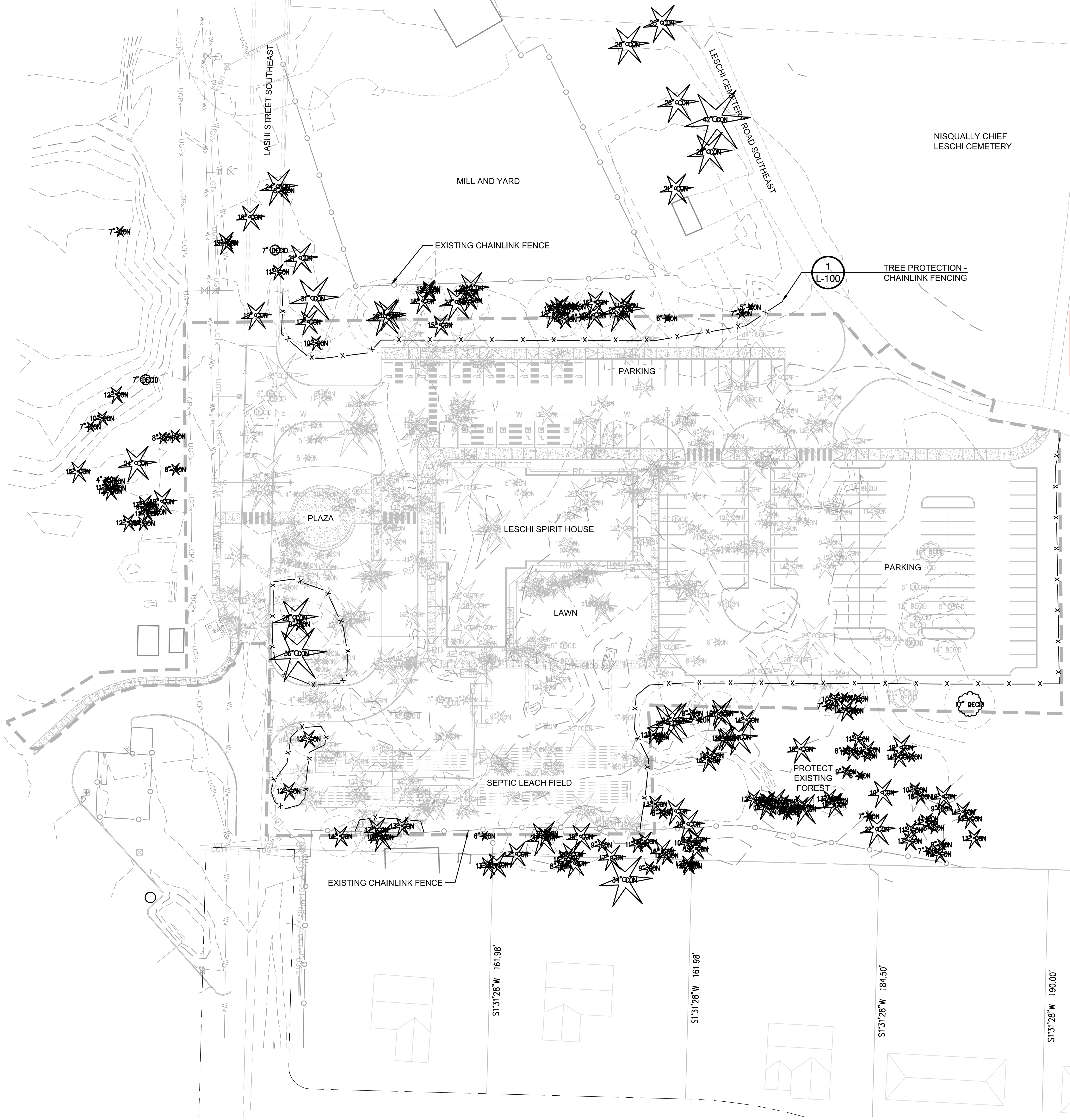


TREE PROTECTION NOTES

1. CONTRACTOR SHALL VERIFY ON-SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR READING THE PLANS, SPECIFICATIONS AND NOTES.
3. THE CRITICAL ROOT PROTECTION ZONE FOR SIGNIFICANT TREES SHALL BE DETERMINED BY THE FOLLOWING FORMULA: TREE DIAMETER (IN INCHES) X 2, CONVERTED INTO FEET = CRPZ DIAMETER.
4. THE FOLLOWING RULES APPLY TO ALL CRITICAL ROOT PROTECTION ZONES (CRPZ), AS DEFINED ABOVE;
   - 4.a. NO ENTRY, VEHICLE AND FOOT TRAFFIC PROHIBITED
   - 4.b. NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT
   - 4.c. NO TRENCHING
   - 4.d. TREE PROTECTION FENCING SHALL REMAIN IN PLACE UNTIL PROJECT CLOSEOUT.
5. ROOT CUTS OUTSIDE OF CRPZ AREAS SHALL BE CUT CLEANLY AND IMMEDIATELY COVERED WITH WET BURLAP, WET WOOD CHIPS/HOG FUEL, WET COMPOST, OR APPROVED EQUAL TO PREVENT ROOT DESICCATION.

LEGEND

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

TREE PROTECTION FENCE

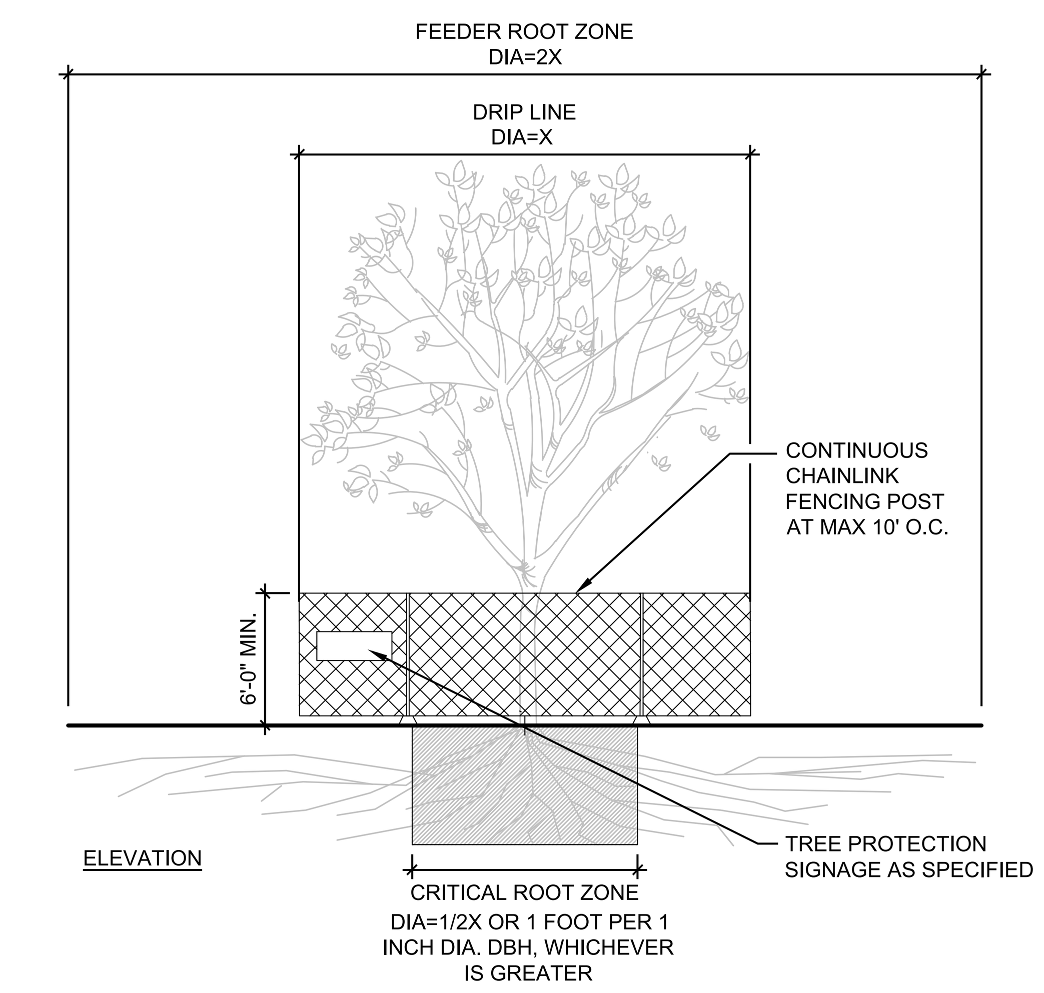
CLEARING LIMITS, SEE CIVIL

TREE SYMBOL LEGEND

24" CON — CONIFEROUS TREE DIAMETER BREAST HEIGHT (DBH); CRITICAL ROOT ZONE (CRZ)

16" DEC — DECIDUOUS TREE DIAMETER BREAST HEIGHT (DBH); CRITICAL ROOT ZONE (CRZ)

WORK COMPLETED



1. MINIMUM SIX (6) FOOT HIGH TEMPORARY CHAINLINK FENCE SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE OF THE TREE TO BE SAVED UNLESS OTHERWISE NOTED IN THE PLANS.
2. FENCE SHALL COMPLETELY ENCIRCLE TREE(S) UNLESS OTHERWISE NOTED IN THE PLANS.
3. INSTALL FENCE POSTS USING PIER BLOCK. USE POSTS ONLY WHEN NECESSARY TO CONDITIONS REQUIRE SUCH AS HIGH WIND OR HEAVY TRAFFIC AREAS. AVOID POST OR STAKES INTO MAJOR ROOTS.
4. MODIFICATIONS TO FENCING MATERIAL AND LOCATION MUST BE APPROVED BY THE LANDSCAPE ARCHITECT AND CONSULTING ARBORIST.
5. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT, ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
6. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING.
7. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CONSULTING ARBORIST. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST AND WITH PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT.
8. FENCING SIGNAGE MUST BE POSTED PER THE SPECIFICATIONS IN VISIBLE LOCATIONS.

1 TREE PROTECTION - CHAINLINK FENCING

NTS

P-2021-LES-12

GRAPHIC SCALE

0 20 40 80 FEET

1" = 40 FEET

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

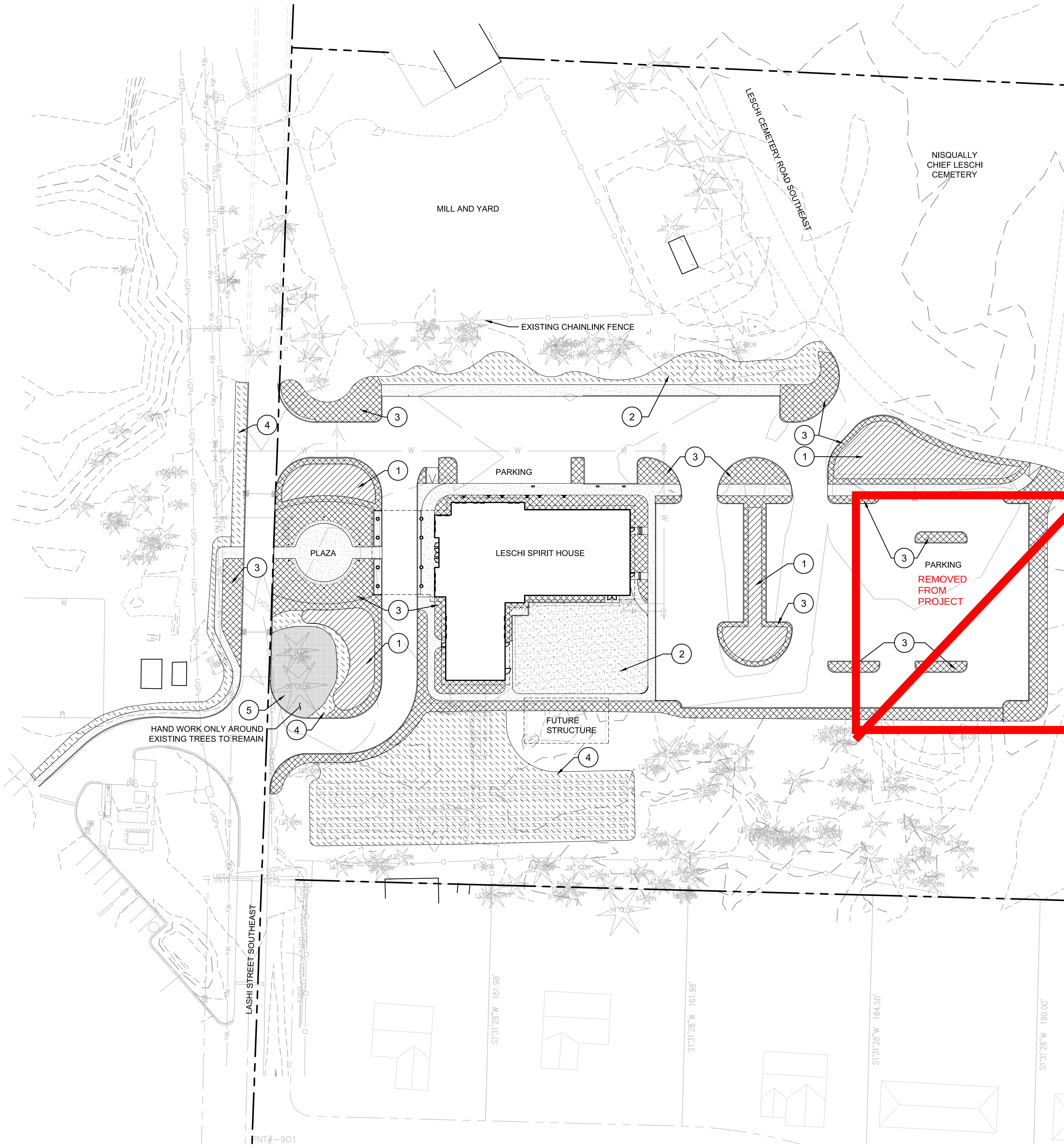
DATE:
08-30-2022

100% CD

SHEET NO.
L-100

TREE RETENTION PLAN

PLOT DATE: 4/8/2022 2:14:37 PM



LEGEND

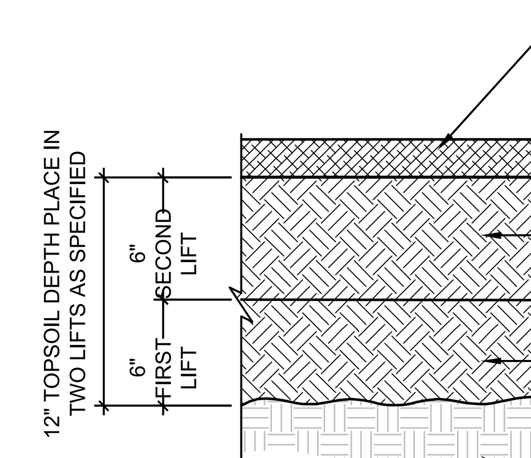
— — —	PROPERTY LINE / RIGHT OF WAY
	PROPOSED STRUCTURE
	EXISTING STRUCTURE
- - - -	OVERHEAD OR CANOPY
	EXISTING TREE TO REMAIN
	EXISTING FENCE TO REMAIN
	CONCRETE PAVING, SEE CIVIL

GENERAL LANDSCAPE NOTES

1. ALL SHRUB AND GROUNDCOVER BEDS SHALL RECEIVE 3" OF ARBORIST CHIPS.
2. SEE MATERIALS PLAN FOR ROOT BARRIER LOCATIONS.

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	
1	BIORETENTION SOIL - SEE CIVIL	
2	LAWN TOPSOIL - WINTER MIX BY CEDAR GROVE	8" DEPTH
3	TOPSOIL - 3 - WAY MIX BY CEDAR GROVE	12" DEPTH
4	COMPOST AMENDMENT - COMPOST BY CEDAR GROVE	3" DEPTH
5	MULCH RESTORATION - ARBORIST CHIPS	3" DEPTH



1 SOIL PREPARATION
1" = 1'-0"
P-2021-LES-01

GRAPHIC SCALE
0 20 40 80 FEET
1" = 40 FEET

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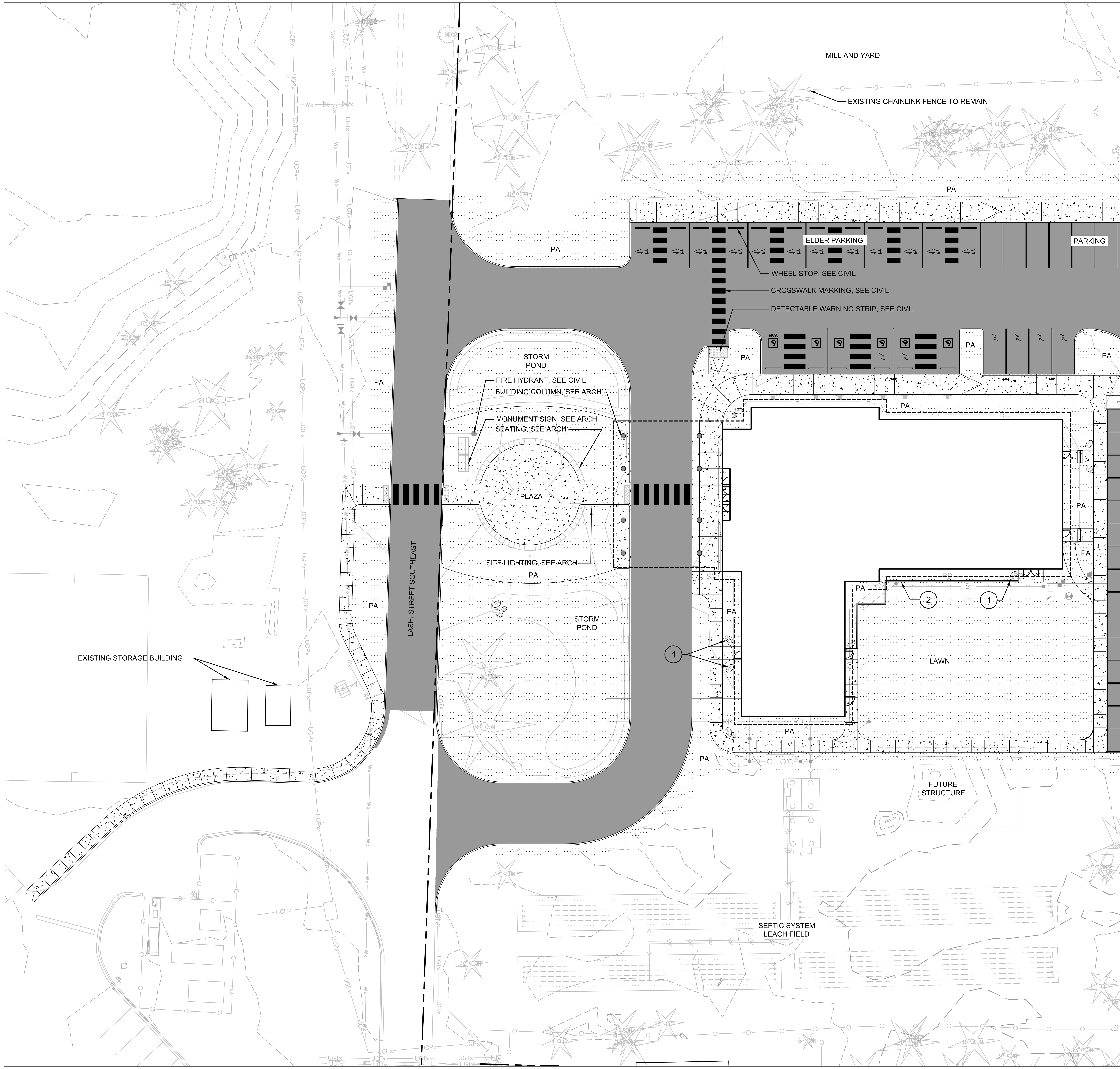
STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17
REVISIONS:

DATE:
08-30-2022
100% CD
SHEET NO.
L-101
SOIL PLACEMENT PLAN

PLOT DATE: 4/8/2022 2:14:37 PM



LEGEND

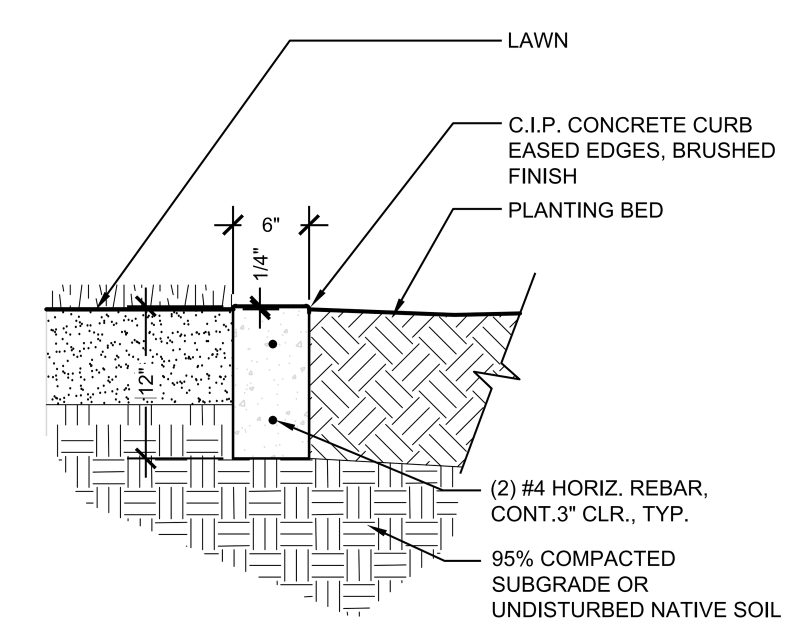
— — —	PROPERTY LINE / RIGHT OF WAY
	PROPOSED STRUCTURE
	EXISTING STRUCTURE
- - - - -	OVERHEAD OR CANOPY
	EXISTING TREE TO REMAIN
	EXISTING FENCE TO REMAIN
	CONCRETE PAVING, SEE CIVIL
	ASPHALT PAVING, SEE CIVIL
PA	PLANTING AREA

REFERENCE NOTES SCHEDULE WEST

SYMBOL	DESCRIPTION	DETAIL
1	LANDSCAPE BOULDER 2-3 MAN	1/L-201
2	CONCRETE MOW CURB	1/L-200

GENERAL MATERIALS NOTES

1. SEE SOIL PLACEMENT PLAN FOR PRODUCTS AND DEPTHS.
2. ALL NEW PLANTED AREAS TO RECEIVE 3" DEPTH OF MEDIUM BARK MULCH.
3. CONTRACTOR SHALL VERIFY ON-SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
4. INSTALL AUTOMATIC UNDERGROUND IRRIGATION SYSTEM AS SPECIFIED IN ALL NEW AND RENOVATED LANDSCAPE AREAS. SEE SH L4.00 FOR IRRIGATION PLAN.
5. THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR READING THE PLANS, SPECIFICATIONS AND NOTES.



1 CONCRETE MOW CURB
1" = 1'-0"

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

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STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

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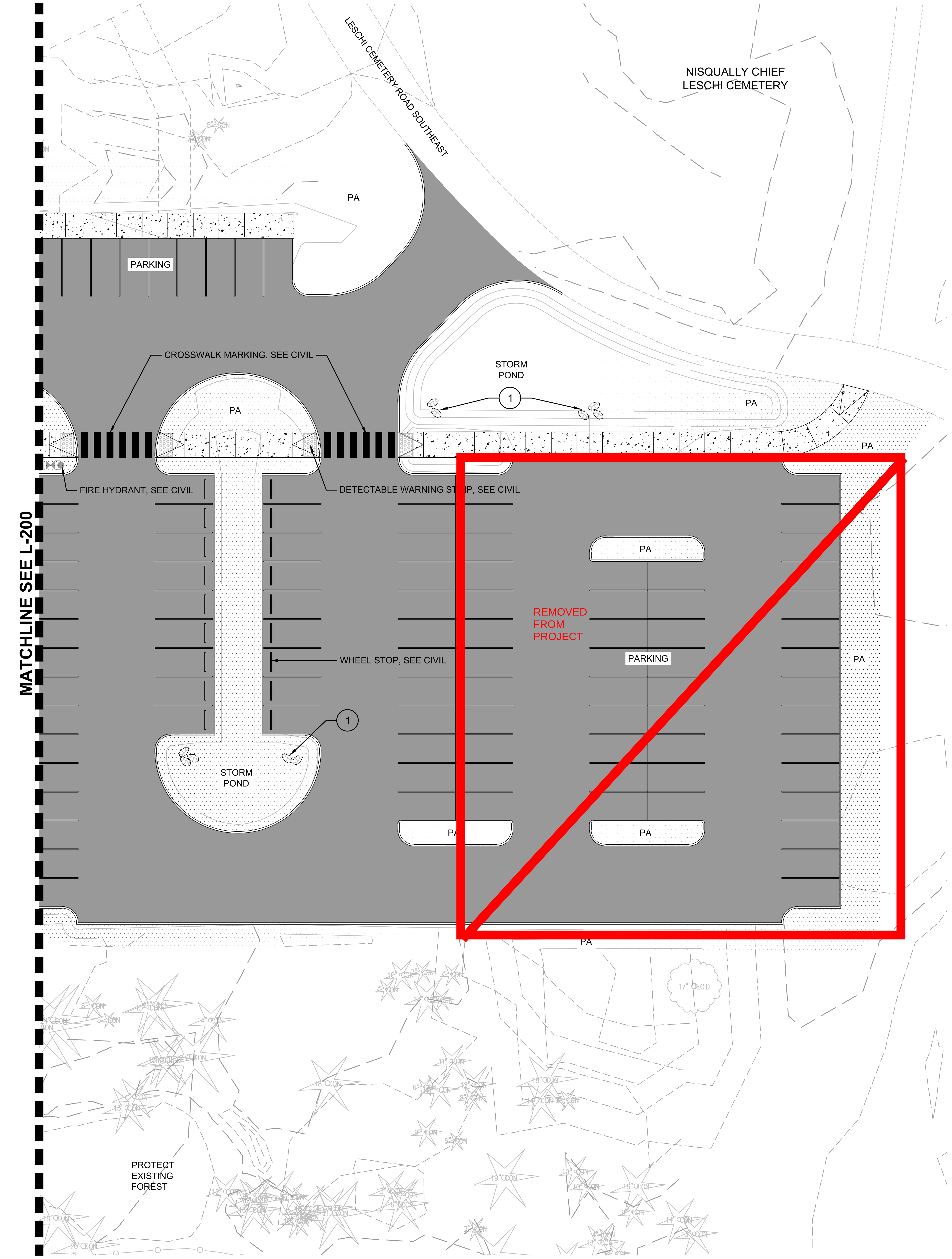
REVISIONS:

DATE:
08-30-2022
100% CD

SHEET NO.
L-200

MATERIALS PLAN

PLOT DATE: 4/8/2022 2:14:37 PM

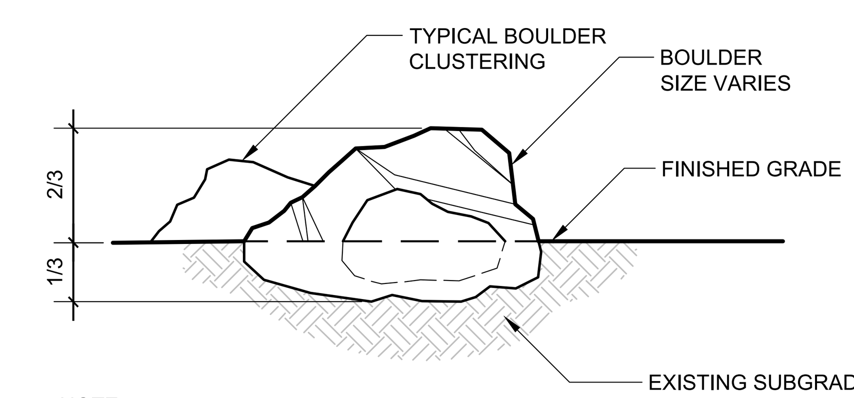


LEGEND

- PROPERTY LINE / RIGHT OF WAY
- PROPOSED STRUCTURE
- EXISTING STRUCTURE
- OVERHEAD OR CANOPY
- EXISTING TREE TO REMAIN
- EXISTING FENCE TO REMAIN
- CONCRETE PAVING, SEE CIVIL
- ASPHALT PAVING, SEE CIVIL
- PA — PLANTING AREA

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	LANDSCAPE BOULDER 2-3 MAN	1/L-201



NOTE:
1. NATIVE BOULDER - SIZES INDICATED ARE APPROXIMATE
   1.1. (LENGTH X WIDTH X HEIGHT). BURY MIN. ⅓ FOR NATURAL APPEARANCE.
   1.2. CONTRACTOR SHALL USE CARE TO AVOID SCARRING BOULDERS DURING INSTALLATION..
2. OWNER OR LANDSCAPE ARCHITECT TO BE PRESENT TO APPROVE PLACEMENT OF LANDSCAPE BOULDERS.

1 BOULDER PLACEMENT

NOT TO SCALE P-2021-LES-05

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

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KMB Project # 21070

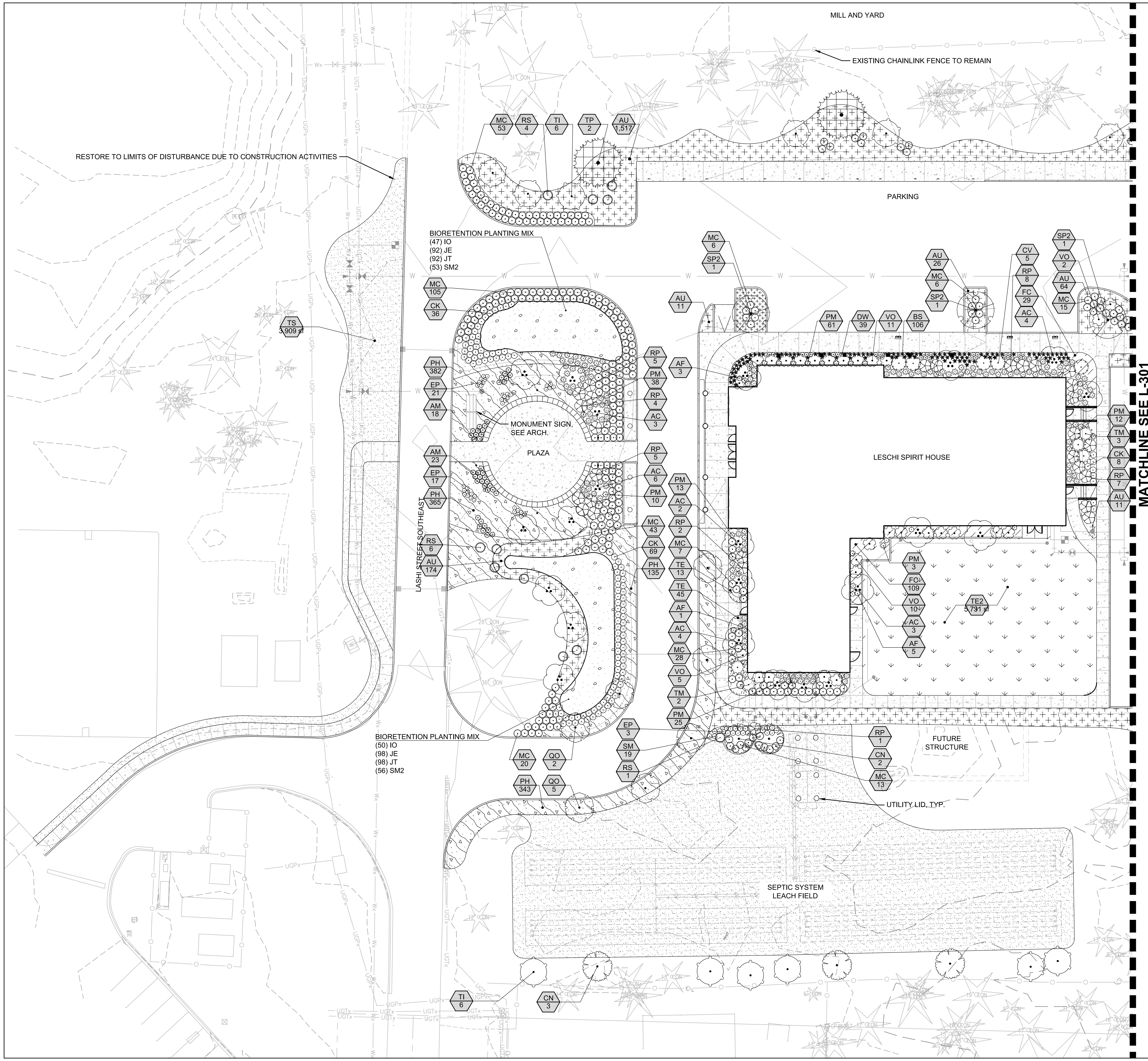
STATE OF WASHINGTON CRAIG R. SKIPTON LANDSCAPE ARCHITECT NO. 01 EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17
REVISIONS:

DATE: 08-30-2022
100% CD
SHEET NO. L-201
MATERIALS PLAN

PLOT DATE: 4/8/2022 2:14:37 PM



LEGEND

- PROPERTY LINE / RIGHT OF WAY
- PROPOSED STRUCTURE
- EXISTING STRUCTURE
- OVERHEAD OR CANOPY
- EXISTING TREE TO REMAIN
- EXISTING FENCE TO REMAIN
- CONCRETE PAVING, SEE CIVIL

GENERAL LANDSCAPE NOTES

1. ALL NEW PLANTED AREAS TO RECEIVE 3" DEPTH OF MEDIUM BARK MULCH.
2. CONTRACTOR SHALL VERIFY ON-SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
3. SEE SH L4.00 FOR IRRIGATION PLANS.
4. THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR READING THE PLANS, SPECIFICATIONS AND NOTES.
5. 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.
6. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL CONTAINER OR FIELD GROWN TREES, SHRUBS AND GROUNDCOVERS, 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.

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

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STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

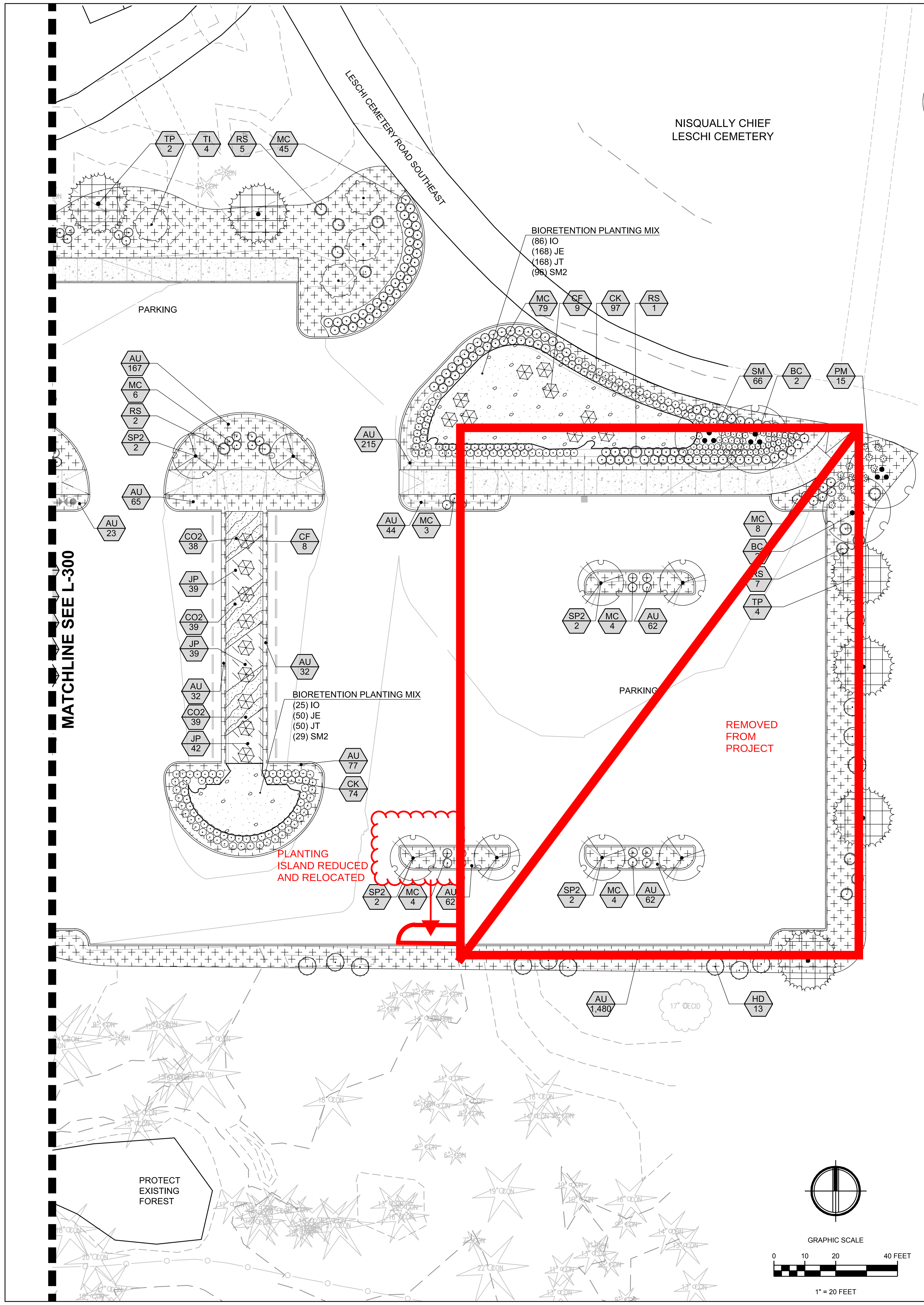
DATE:
08-30-2022

100% CD

SHEET NO.
L-300

PLANTING PLAN

PLOT DATE: 4/8/2022 2:14:37 PM



PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
	AC	22	ACER CIRCINATUM	VINE MAPLE	7-8` HT, MULTI TRUNK	
	BC	4	BETULA NIGRA 'CULLY IMPROVED' TM	HERITAGE IMPROVED RIVER BIRCH	8` HT MULTI-TRUNK	
	CV	5	CHAMAECYPARIS NOOTKATENSIS 'VAN DEN AKKER'	VAN DEN AKKER NOOTKA CYPRESS	7`-8` HT	
	CN	5	CORNUS NUTTALLII	PACIFIC DOGWOOD	1.5" CAL	
	QO	7	QUERCUS X BIMUNDORUM 'CRIMSCHMIDT' TM	CRIMSON SPIRE OAK	5 GAL	
	SP2	11	STEWARTIA PSEUDOCAMELLIA	JAPANESE STEWARTIA	1.5" CAL	
	TP	8	THUJA PLICATA	WESTERN RED CEDAR	6 -7` HT	
	TI	16	THUJA X 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6` HT	
	TM	5	TSUGA MERTENSIANA	MOUNTAIN HEMLOCK	5 - 6` HT	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	CF	18	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	3 GAL	
	CK	284	CORNUS SERICEA 'KELSEYI'	KELSEY'S DWARF RED TWIG DOGWOOD	3 GAL	
	HD	13	HOLODISCUS DISCOLOR	OCEANSPRAY	3 GAL	
	MC	449	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	2 GAL	
	RP	28	RHODODENDRON YAKUSHIMANUM 'PRINCESS'	YAKU PRINCESS RHODODENDRON	5 GAL	
	RS	26	RIBES SANGUINEUM	RED FLOWERING CURRANT	3 GAL	
	SM	85	SPIRAEA JAPONICA 'WALBUMA'	MAGIC CARPET JAPANESE SPIREA	2 GAL	
	VO	28	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	3 GAL	
PERENNIALS, GRASSES, AND FERNS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	AM	41	ACHILLEA X `MOONSHINE`	MOONSHINE YARROW	1 GAL	
	AF	9	ATHYRIUM FILIX-FEMINA	COMMON LADY FERN	1 GAL	
	BS	106	BLECHNUM SPICANT	DEER FERN	1 GAL	
	DW	39	DICENTRA FORMOSA	WESTERN BLEEDING-HEART	1 GAL	
	EP	41	ECHINACEA PURPUREA	CONEFLOWER	1 GAL	
	PM	177	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
		4,462 SF	BIORETENTION PLANTING MIX			
	IO	207	IRIS TENAX	OREGON IRIS	1 GAL	10% @ 18" o.c.
	JE	406	JUNCUS EFFUSUS	COMMON RUSH	10 CU.IN. PLUG	35% @ 24" o.c.
	JT	406	JUNCUS TENUIS	POVERTY RUSH	10 CU.IN. PLUG	35% @ 24" o.c.
	SM2	232	SCIRPUS MICROCARPUS	SMALL-FRUITED BULRUSH	10 CU.IN. PLUG	20% @ 24" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	AU	4,167	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	1 GAL	24" o.c.
	CO2	116	CAREX OBNUPTA	SLOUGH SEDGE	PLUG	24" o.c.
	FC	138	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	1 GAL	24" o.c.
	JP	120	JUNCUS PATENS	CALIFORNIA GRAY RUSH	PLUG	24" o.c.
	TE2	5,731 SF	LAWN MIX	DROUGHT TOLERANT FESCUE MIX	HYDROSEED	
	PH	1,090	PENNISETUM ALOPECUROIDES `HAMELN`	HAMELN FOUNTAIN GRASS	1 GAL	24" o.c.
	TS	3,909 SF	RESTORATION MIX EROSION CONTROL DRY MIX BY SUNMARK SEEDS OR APPROVED EQUAL	SEED	HYDROSEED	
	TE	58	THYMUS SERPYLLUM 'ELFIN'	ELFIN CREEPING THYME	4" POT	12" o.c.

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

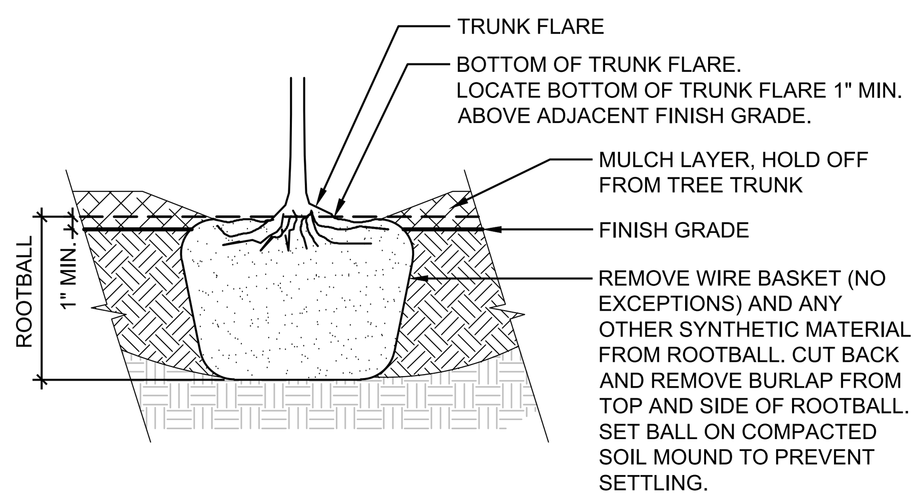
ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17
REVISIONS:

DATE:
08-30-2022
100% CD
SHEET NO.
L-301

PLANTING PLAN

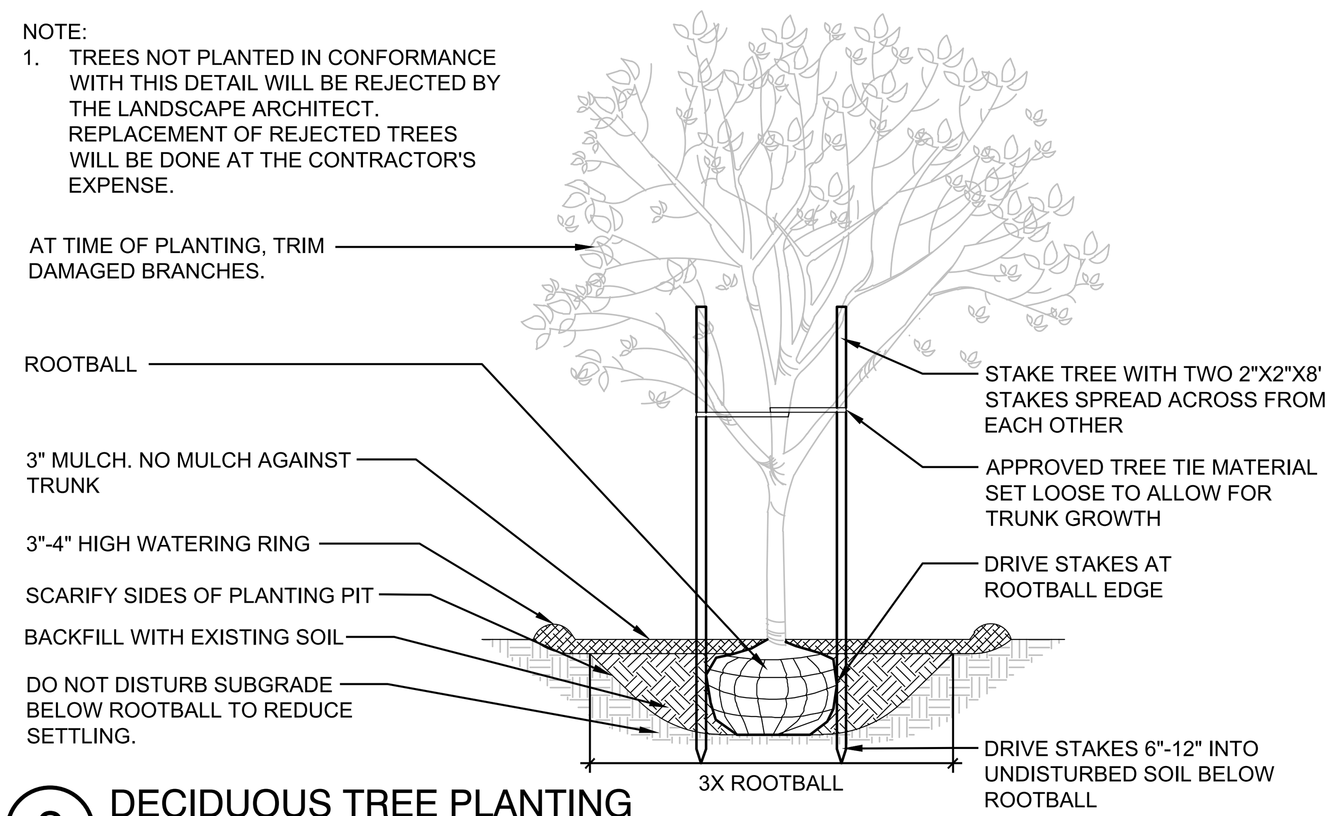
PLOT DATE: 4/8/2022 2:14:37 PM

NOTES:
1. TREES PLANTED TOO DEEP WITHOUT EXPOSING ROOT FLARE WILL BE REJECTED AND SHALL BE REMOVED AND REPLANTED AT PROPER DEPTH.
2. REPLACEMENT OR REPLANTING OF REJECTED TREES WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
3. REMOVE EXCESS SOIL THAT MAY HAVE ACCUMULATED ABOVE THE TRUNK FLARE PRIOR TO DIGGING AT NURSERY. EXPOSE AND LOCATE TRUNK FLARE PRIOR TO PLANTING.
4. PRUNE ANY GIRDLING OR ADVENTITIOUS ROOTS PRIOR TO BACKFILLING.



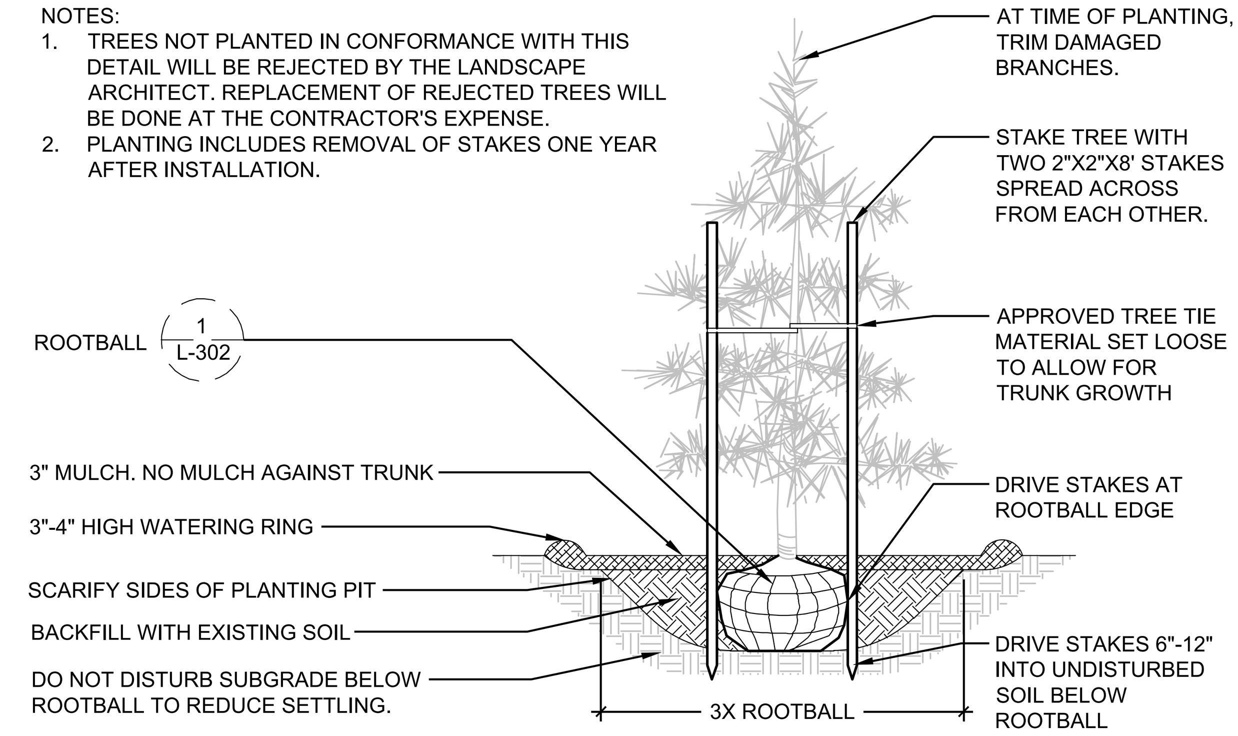
1 ROOTBALL
1" = 1'-0"
P-2021-LES-10

NOTE:
1. TREES NOT PLANTED IN CONFORMANCE WITH THIS DETAIL WILL BE REJECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENT OF REJECTED TREES WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

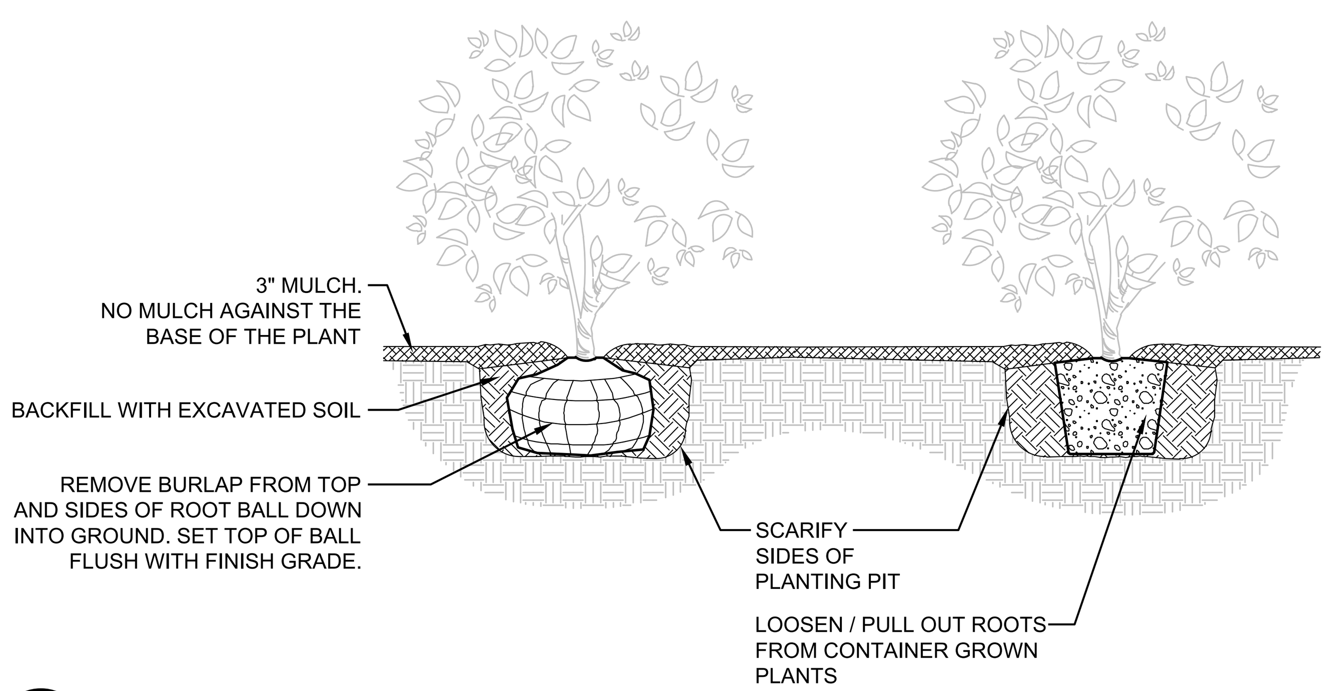


2 DECIDUOUS TREE PLANTING
3/8" = 1'-0"
P-2021-LES-02

NOTES:
1. TREES NOT PLANTED IN CONFORMANCE WITH THIS DETAIL WILL BE REJECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENT OF REJECTED TREES WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
2. PLANTING INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION.

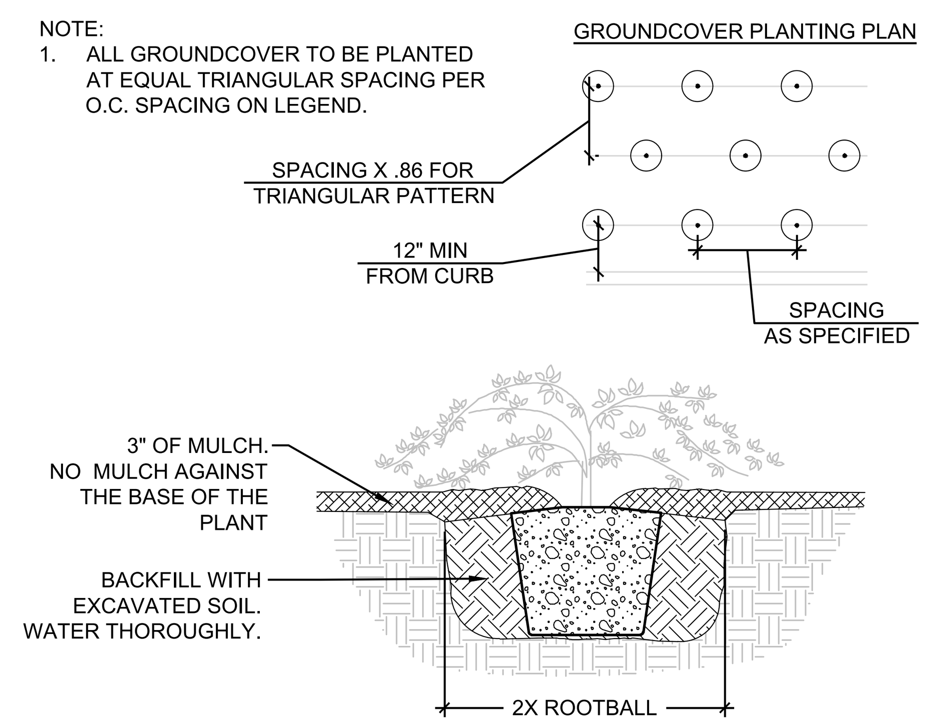


3 CONIFER TREE PLANTING W/ STAKE
3/8" = 1'-0"
P-2021-LES-04

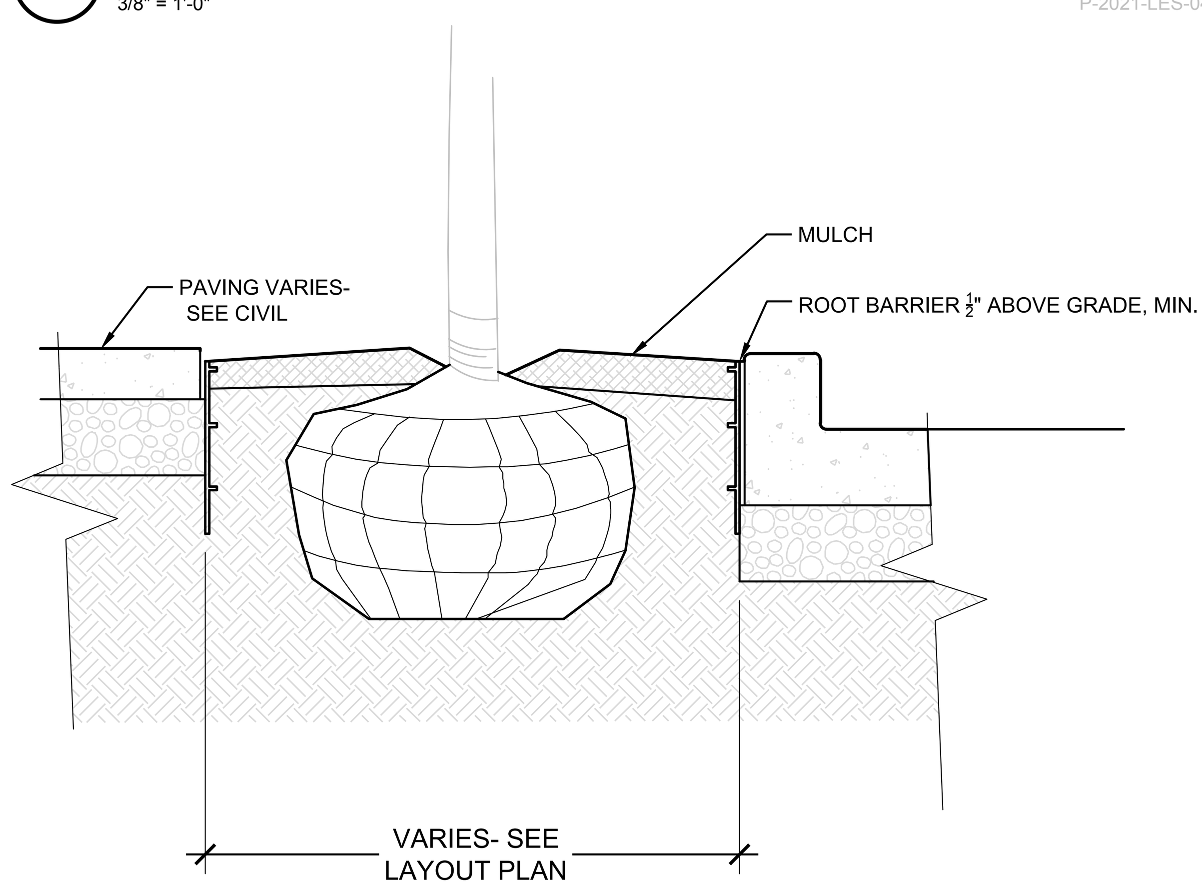


4 SHRUB PLANTING
NTS
P-2021-LES-03

NOTE:
1. ALL GROUNDCOVER TO BE PLANTED AT EQUAL TRIANGULAR SPACING PER O.C. SPACING ON LEGEND.



5 GROUNDCOVER PLANTING
1/2" = 1'-0"
P-2021-LES-11



6 ROOT BARRIER
1" = 1'-0"

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
NO. 1 EXP. 03/05/2023
LANDSCAPE ARCHITECT
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

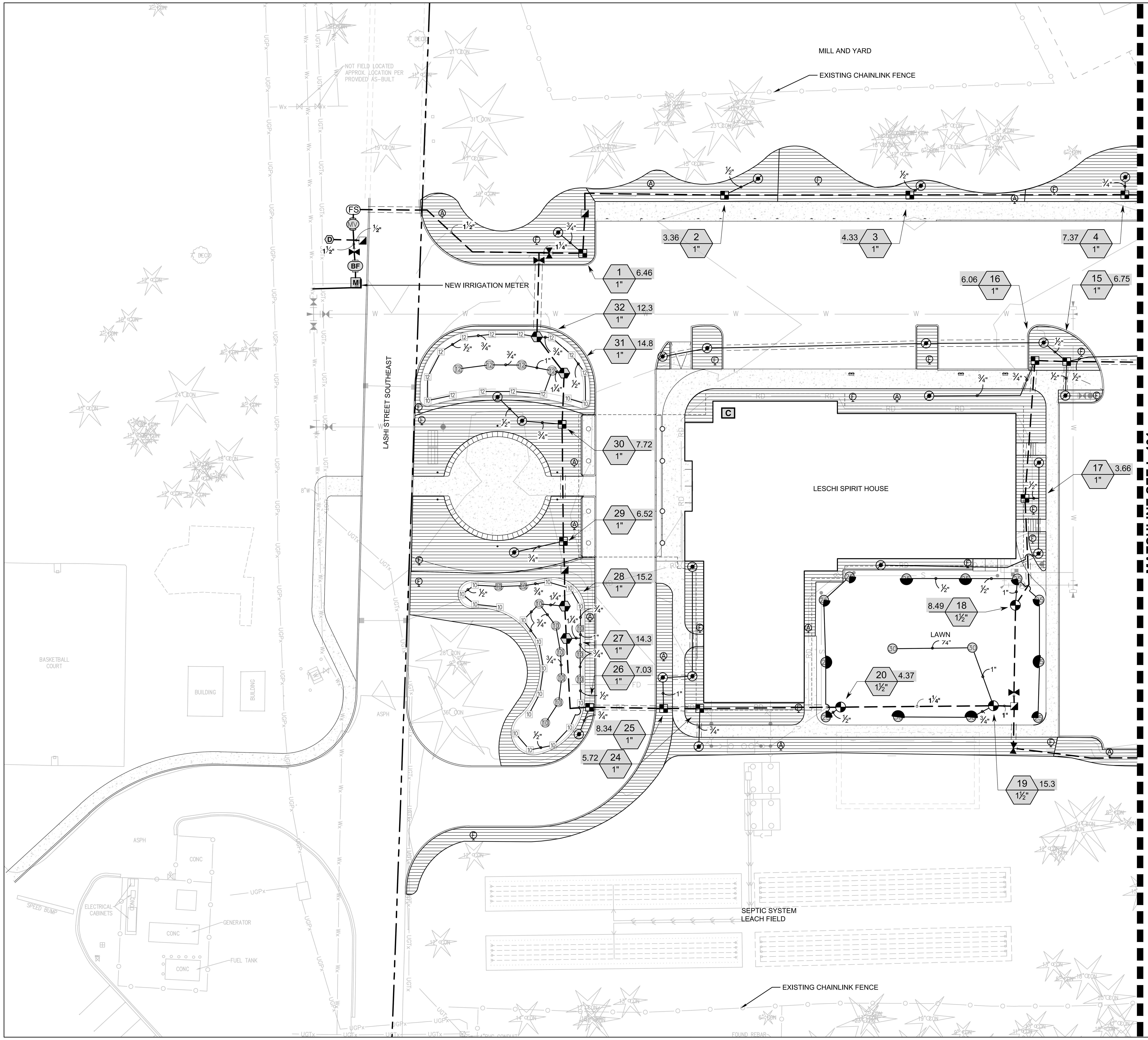
REVISIONS:

DATE:
08-30-2022
100% CD

SHEET NO.
L-302

PLANTING DETAILS

PLOT DATE: 4/8/2022 2:14:37 PM



POINT OF CONNECTION NOTES

1. CONTRACTOR SHALL VERIFY EXISTING STATIC PRESSURE IS 58 AT THE METER AND SUBMIT WRITTEN VERIFICATION TO THE LANDSCAPE ARCHITECT. NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES GREATER THAN 5 POUNDS OF DESIGN PRIOR TO INSTALLATION OF ANY IRRIGATION EQUIPMENT.
2. POC NUMBER 01: 1-1/2" IRRIGATION METER.
   2.1. THE SYSTEM DESIGN IS BASED ON OPERATING 1 ZONE AT A TIME USING A NEW IRRIGATION METER. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION.
3. COORDINATE METER SCOPE OF WORK WITH ALL APPLICABLE TRADES. INSTALL METER PER LIBERTY LAKE SEWER AND WATER STANDARD PLAN NO. 7-15-E.
4. IRRIGATION CONTRACTOR SHALL TIE INTO METER AND RUN PIPE TO BACKFLOW PREVENTER.
5. NOTIFY THE OWNER IMMEDIATELY IF THE POINT OF CONNECTION ASSUMPTIONS MADE HERE DO NOT MATCH FIELD CONDITIONS.

GENERAL IRRIGATION NOTES

1. NO SUBSTITUTIONS OF EQUIPMENT OR DESIGN CHANGES SHALL BE PERMITTED UNLESS APPROVED BY THE OWNER.
2. IRRIGATION LINES AND VALVES MAY BE SHOWN IN HARD SURFACE AREAS OR OUTSIDE LANDSCAPE AREAS FOR GRAPHIC CLARITY. LOCATE ALL IRRIGATION LINES IN LANDSCAPE AREAS OR IN SLEEVES UNDER PAVEMENT.
3. IRRIGATION CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, TESTS, AND INSPECTIONS REQUIRED FOR THE IRRIGATION SYSTEM.
5. CALL FOR LOCATES PRIOR TO DIGGING AT 811. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATIONS. IF UTILITIES ARE DAMAGED IN THE COURSE OF WORK, CONTRACTOR SHALL INFORM THE OWNER AND MAKE ANY REPAIRS REQUIRED, AT NO COST TO THE OWNER.
6. ALL SLEEVING SHALL BE MARKED, SEALED AND STAKED. ALL SLEEVES SHALL BE TWICE THE SIZE OF OF THE LINE OR COMBINED LINES. MINIMUM SLEEVE SIZE SHALL BE 4-INCHES IF LOCATED UNDER ROADWAY OR DRIVE AISLE.
7. COORDINATE SLEEVING LOCATIONS WITH ELECTRICAL CONDUIT.
8. INSTALL CONCRETE THRUST BLOCKS ON MAINLINE 2-1/2" AND LARGER, FOR ALL CHANGES IN PIPE DIRECTION OVER 15-DEGREES.
9. SPLICE CONTROL WIRES WITHIN VALVE BOXES ONLY, USING 3M-DBY, OR APPROVED SPLICE KITS, AND PROVIDE A 24" EXPANSION LOOP FOR ALL CONTROL WIRES WITHIN EACH VALVE BOX. KEEP WIRE SPLICES TO A MINIMUM. PROVIDE CLEAN WIRE CUTS WITH NEW SPLICE KITS AT ALL SPLICES INCLUDING ANY SPLICE THAT IS DISCONNECTED AND RECONNECTED FOR ANY REASON OR PERIOD OF TIME.
10. VALVE BOXES SHALL BE COMMERCIAL-GRADE POLYETHYLENE OR HDPE AND SUITABLE FOR LIGHT DUTY APPLICATIONS.
11. INSTALLER TO ADJUST ALL ZONE CONTROL VALVES TO THE CORRECT OPERATING PRESSURE. SEE VALVE SCHEDULE FOR OPERATING PSI.
12. VERIFY AT LEAST A 15PSI DIFFERENCE BETWEEN PRS DEVICES. IF PRESSURE DIFFERENCES IS LESS THAN 15PSI, NOTIFY L.A. IMMEDIATELY.
13. CONTRACTOR SHALL HAND TRENCH IRRIGATION DITCHES WHEN WITHIN 20 FEET, OR WITHIN A DELINEATED ROOT PROTECTION ZONE, OF EXISTING TREES TO REMAIN. AVOID CUTTING ANY ROOTS OVER 3" - 4" IN DIAMETER WITHIN THE ROOT PROTECTION ZONE.
14. INSTALLER SHALL BE RESPONSIBLE FOR KEEPING EXACT ACCURATE NOTES AND "AS-BUILTS" FOR THE CREATION OF THE "RECORD DRAWINGS" OF THE INSTALLED SYSTEM.
15. CONTRACTOR SHALL PROVIDE IRRIGATION MAINTENANCE THROUGH THE PLANT ESTABLISHMENT PERIOD INCLUDING WINTERIZATION(S) AND SPRING START-UP(S).

DRIP IRRIGATION NOTES

1. SEE APPLICABLE GENERAL IRRIGATION NOTES.
2. DO NOT EXCEED MAXIMUM VERTICAL DISTANCE BETWEEN PRESSURE CONTROL VALVES RECOMMENDED BY MANUFACTURER.
3. DRIP LINE HATCH DIRECTION AND SPACING ON PLANS IS DIAGRAMMATIC. PLACE PER DETAILS, LEGEND, AND MANUFACTURER'S RECOMMENDATIONS.
4. 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.
5. INSTALL AIR RELIEF VALVES PER MANUFACTURER'S RECOMMENDATIONS, IN CONTROL VALVE BOXES.
6. INSTALL DRIP LINES ACCORDING TO MANUFACTURER'S INSTRUCTIONS. NO DRIP TUBING SHALL BE LEFT EXPOSED.

IRRIGATION SYSTEM DESIGN NOTES

WATER PURVEYOR: NISQUALLY WATER UTILITY
CONTACT INFORMATION: 360-456-5221

1. THIS DESIGN ADDS A NEW IRRIGATION SYSTEM FOR THE AREAS AFFECTED BY CONSTRUCTION OF A NEW CHURCH AND PARKING LOT.

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
LANDSCAPE ARCHITECT
EXP. 03/05/2023
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

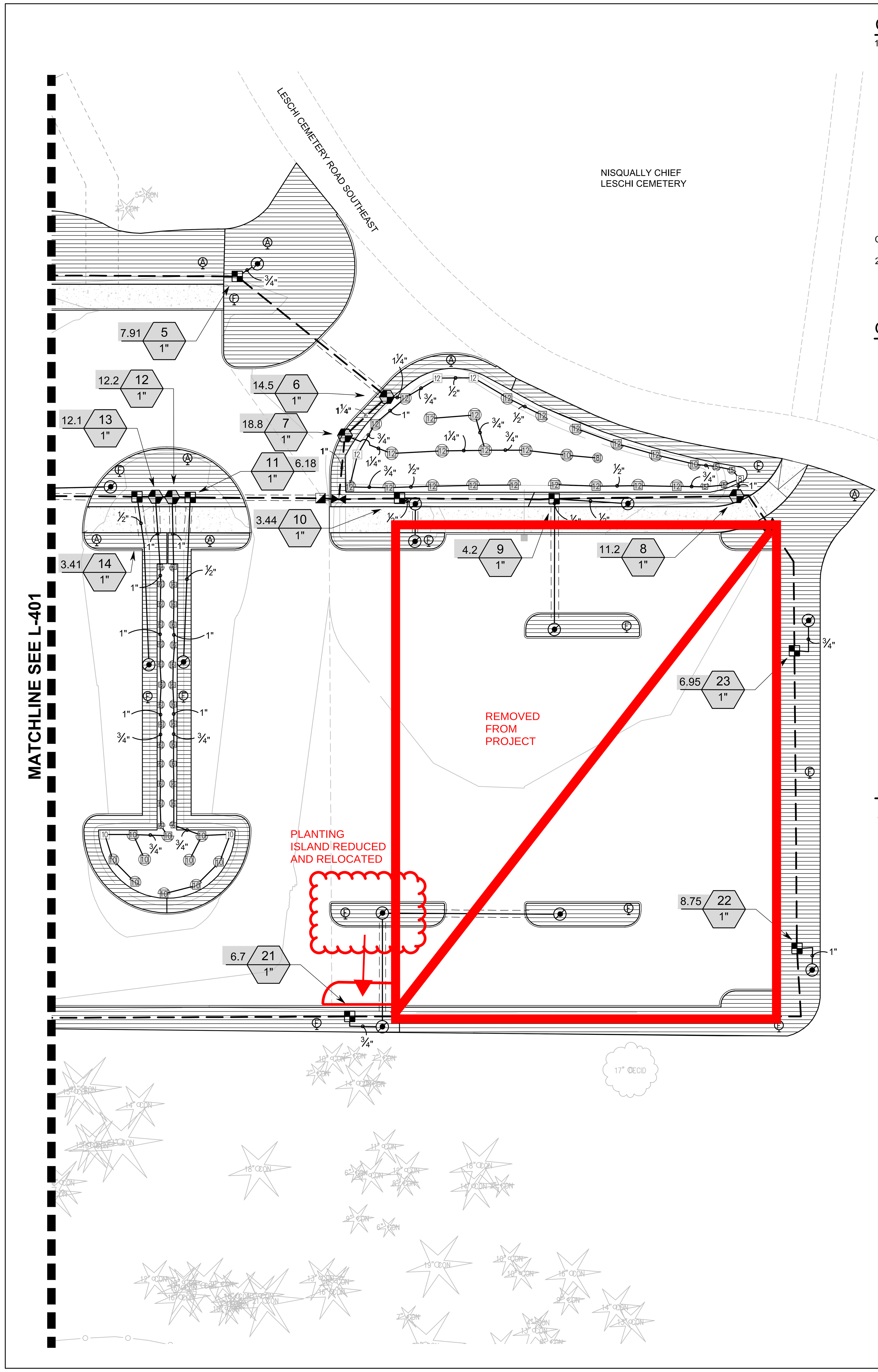
REVISIONS:

DATE:
08-30-2022
100% CD

SHEET NO.
L-400

IRRIGATION PLAN

PLOT DATE: 4/8/2022 2:14:37 PM



CONTROLLER NOTES

1. CONTROLLER: INSTALL NEW PEDESTAL MOUNTED TWO-WIRE BASELINE CONTROLLER. CONFIRM LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
   - 1.1. PROVIDE 120V FROM ELECTRICAL SERVICE PER LOCAL UTILITY REQUIREMENTS AND APPLICABLE CODES. SEE ELECTRICAL PLAN FOR MORE INFORMATION.
   - 1.2. PROVIDE COMMUNICATION CONNECTION FROM CONTROLLER TO FLOW METER AND MASTER VALVE.
   - 1.3. COORDINATE COMMUNICATION CONNECTION TO BUILDING ETHERNET/WIFI WITH LOW VOLTAGE CONTRACTOR(S).
   - 1.4. INSTALL CONTROLLER IN PEDESTAL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE GROUNDING PER MANUFACTURER'S REQUIREMENTS.
   - 1.5. PROGRAM CONTROLLER WITH TEMPORARY ESTABLISHMENT AND PERMANENT WATERING SCHEDULE.

CONTROL WIRE SHALL BE INSTALLED IN 2" SCH. 40 ELECTRICAL CONDUIT AT HARDSCAPE CROSSINGS.

2. INSTALL SPARE CONTROL WIRE (ORANGE COLOR) FROM CONTROLLER TO FARTHEST VALVE.

GENERAL NOTES

1. THE POINT OF CONNECTION LOCATION SHOWN ON THIS PLAN IS APPROXIMATE. CONTRACTOR SHALL COORDINATE LOCATION WITH OWNER IN THE FIELD PRIOR TO INSTALLATION.
2. SEE POINT OF CONNECTION AND CONTROLLER NOTES ON SHEET L-401

CRITICAL ANALYSIS

Generated:	2022-08-26 16:37
P.O.C. NUMBER: 01	
Water Source Information:	NISQUALLY INDIAN TRIBE
FLOW AVAILABLE	
Water Meter Size:	1"
Flow Available	37.5 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	58 PSI
Elevation Change:	5.00 ft
Service Line Size:	3"
Length of Service Line:	20 ft
Pressure Available:	56 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	18.76 GPM
Flow Available at POC:	37.5 GPM
Residual Flow Available:	18.74 GPM
Critical Station:	19
Design Pressure:	35 PSI
Friction Loss:	1.45 PSI
Fittings Loss:	0.14 PSI
Elevation Loss:	0 PSI
Loss through Valve:	3 PSI
Pressure Req. at Critical Station:	39.59 PSI
Loss for Fittings:	0.48 PSI
Loss for Main Line:	4.82 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	6.03 PSI
Loss for Master Valve:	0.8 PSI
Loss for Water Meter:	1.27 PSI
Critical Station Pressure at POC:	52.99 PSI
Pressure Available:	56 PSI
Residual Pressure Available:	3.01 PSI

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
1	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.46	39.1	45.9	0.43 in/h
2	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	3.36	38.6	45.2	0.43 in/h
3	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	4.33	37.8	44.5	0.43 in/h
4	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	7.37	39.7	47.4	0.43 in/h
5	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	7.91	40.3	48.5	0.43 in/h
6	HUNTER PGV-100G	1"	SHRUB SPRAY	14.46	36.0	49.0	0.88 in/h
7	HUNTER PGV-100G	1"	SHRUB SPRAY	18.76	34.6	52.4	0.88 in/h
8	HUNTER PGV-100G	1"	SHRUB SPRAY	11.2	35.1	46.8	1.08 in/h
9	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	4.2	38.4	45.6	0.43 in/h
10	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	3.44	38.1	45.0	0.43 in/h
11	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.18	40.6	48.6	0.43 in/h
12	HUNTER PGV-100G	1"	SHRUB SPRAY	12.16	38.0	50.0	1.23 in/h
13	HUNTER PGV-100G	1"	SHRUB SPRAY	12.12	37.5	49.5	1.25 in/h
14	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	3.41	40.5	47.4	0.43 in/h
15	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.75	40.7	49.0	0.43 in/h
16	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.06	40.0	48.0	0.43 in/h
17	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	3.66	39.6	46.6	0.43 in/h
18	HUNTER PGV-151 GLOBE	1-1/2"	TURF ROTOR	8.49	40.0	49.0	0.92 in/h
19	HUNTER PGV-151 GLOBE	1-1/2"	TURF ROTOR	15.34	39.6	53.0	0.54 in/h
20	HUNTER PGV-151 GLOBE	1-1/2"	TURF ROTOR	4.37	40.5	47.4	0.89 in/h
21	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.7	40.3	48.7	0.43 in/h
22	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	8.75	41.0	51.3	0.43 in/h
23	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.95	39.6	48.3	0.43 in/h
24	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	5.72	38.2	45.4	0.43 in/h
25	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	8.34	41.5	49.4	0.43 in/h
26	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	7.03	39.6	47.0	0.43 in/h
27	HUNTER PGV-100G	1"	SHRUB SPRAY	14.27	36.5	46.4	1.09 in/h
28	HUNTER PGV-100G	1"	SHRUB SPRAY	15.2	35.1	45.5	1.03 in/h
29	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	6.52	39.4	46.5	0.43 in/h
30	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	7.72	40.3	47.5	0.43 in/h
31	HUNTER PGV-100G	1"	SHRUB SPRAY	14.76	34.4	43.6	1.03 in/h
32	HUNTER PGV-100G	1"	SHRUB SPRAY	12.27	35.7	44	0.97 in/h

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
2Q 2H 4Q 4H 6Q 6H	HUNTER PROS-12-PRS30 SR SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30
Q H F	HUNTER PROS-12-PRS30 5 SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30
Q T H F	HUNTER PROS-12-PRS30 8 SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30
Q T H F	HUNTER PROS-12-PRS30 10 SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30
Q T H TT TQ F	HUNTER PROS-12-PRS30 12 SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30
4 6 8 10 12 15 17	HUNTER PROS-12-PRS30 ADJ SERIES SHRUB SPRAY, 30 PSI REGULATED 12" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
25	HUNTER I-20-06-MPR 25 TURF ROTOR, 6" POP-UP. ADJUSTABLE AND FULL CIRCLE. PLASTIC RISER. DRAIN CHECK VALVE. MPR NOZZLE.	35		24'
30	HUNTER I-20-06-MPR 30 TURF ROTOR, 6" POP-UP. ADJUSTABLE AND FULL CIRCLE. PLASTIC RISER. DRAIN CHECK VALVE. MPR NOZZLE.	35		30'

SYMBOL	MANUFACTURER/MODEL
	HUNTER ICZ-101-40
	PVC HEADER
	NETAFIM TLSOV
	NETAFIM TLAVRV
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-06-18

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PGV-100G 1" PLASTIC ELECTRIC REMOTE CONTROL VALVE, FOR RESIDENTIAL/LIGHT COMMERCIAL USE. FEMALE NPT INLET/OUTLET. GLOBE CONFIGURATION, NO FLOW CONTROL.
	HUNTER PGV-151 GLOBE 1-1/2" PLASTIC ELECTRIC REMOTE CONTROL VALVE, FOR RESIDENTIAL/LIGHT COMMERCIAL USE. FEMALE NPT INLET/OUTLET, WITH FLOW CONTROL. GLOBE CONFIGURATION.
	HUNTER HQ-3RC QUICK COUPLER VALVE, YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 3/4" NPT INLET, 1-PIECE BODY.
	MATCO-NORCA 759 BRASS SHUT OFF BALL VALVE, 1/2" TO 4". TWO PIECE BODY, BLOW-OUT PROOF STEM, CHROME PLATED SOLID BRASS BALL, THREADED, WITH PTFE SEATS. SAME SIZE AS MAINLINE PIPE.
MV	HUNTER IBV 2" 1", 1-1/2", 2", AND 3" BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.
D	DRAIN VALVE MANUAL DRAIN BALL VALVE WITH SUMP
BF	FEBCO 850 1-1/2" DOUBLE CHECK BACKFLOW PREVENTION, 1/2" TO 2"
C	HUNTER HCC-3200-M 32 STATION OUTDOOR WI-FI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN & THREE ICM-800 MODULE. COMMERCIAL USE. METAL CABINET.
FS	HUNTER FLOW-CLIK-150 FLOW SENSOR SOV WITH INTERFACE PANEL, 1-1/2" SCHEDULE 40 SENSOR BODY, 24 VAC, 2 AMP, INSTALL INTERFACE PANEL AS REQUIRED.
M	WATER METER 1" NISQUALLY INDIAN TRIBE
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout
Valve Number
Valve Flow
Valve Size

GRAPHIC SCALE
0 10 20 40 FEET
1" = 20 FEET

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
EXP. 03/05/2023
LANDSCAPE ARCHITECT
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

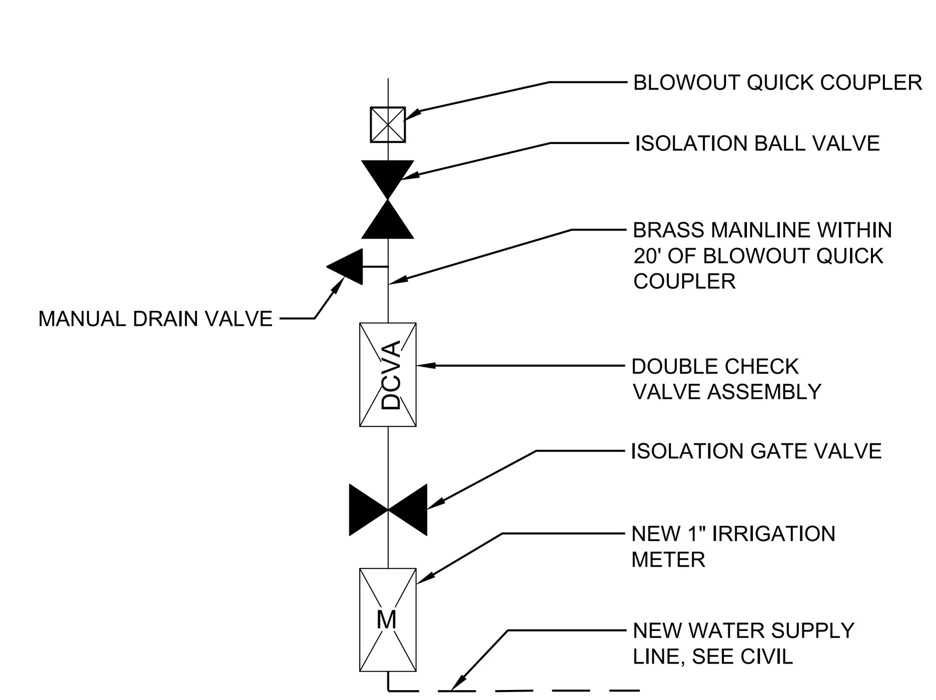
REVISIONS:

DATE:
08-30-2022
100% CD

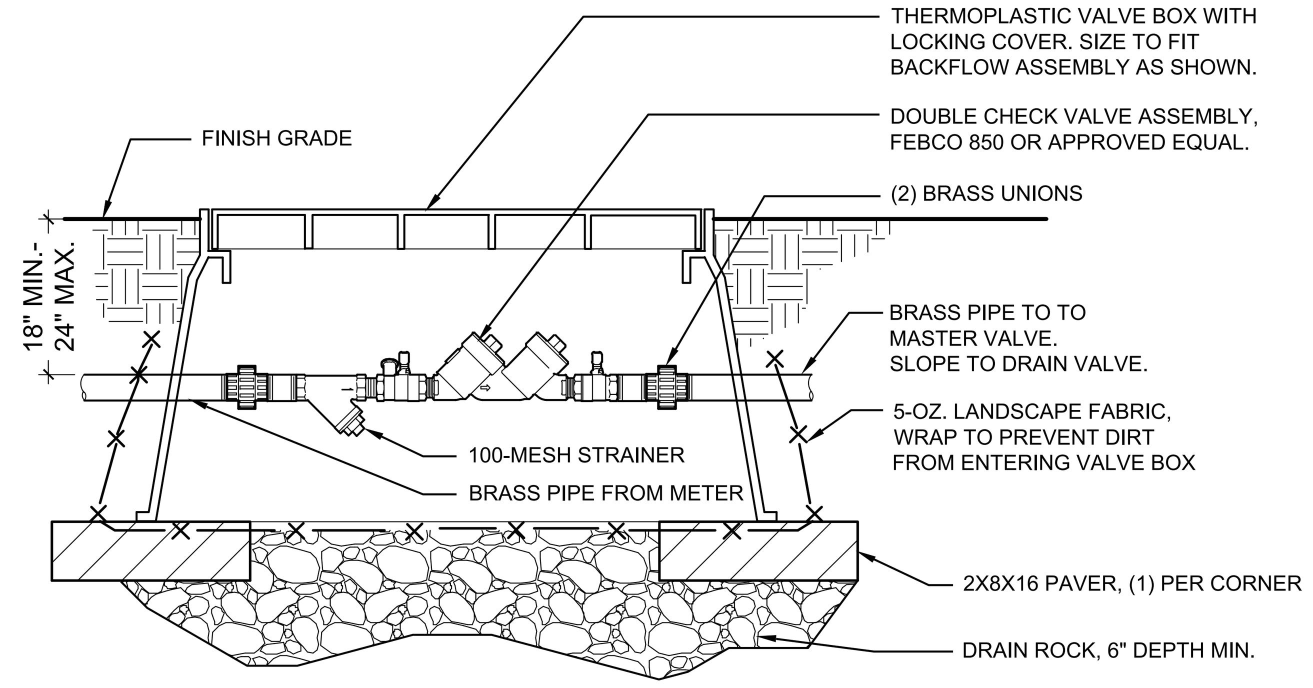
SHEET NO.
L-401

IRRIGATION PLAN

PLOT DATE: 4/8/2022 2:14:37 PM

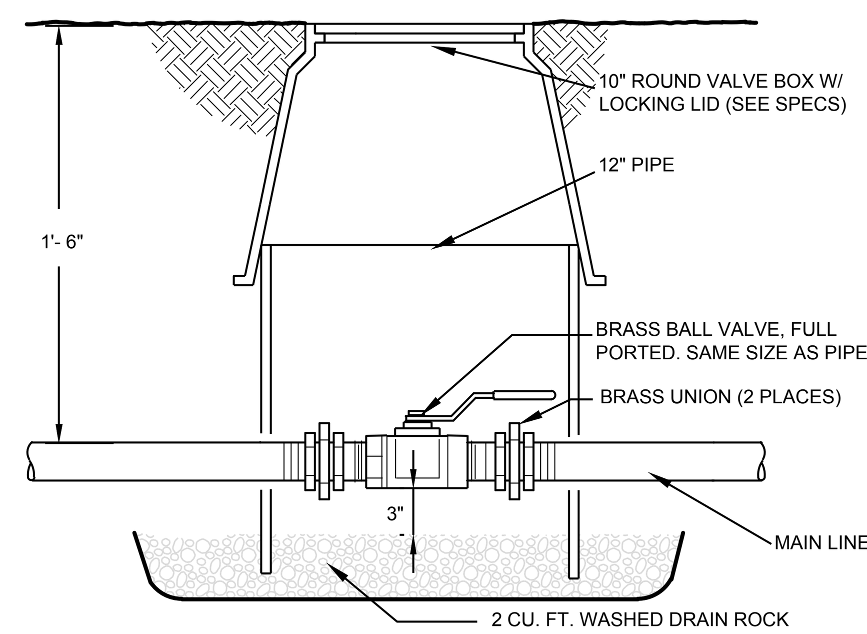


1 POC SCHEMATIC- BLOWOUT QUICK COUPLER
NTS
P-2021-LES-08

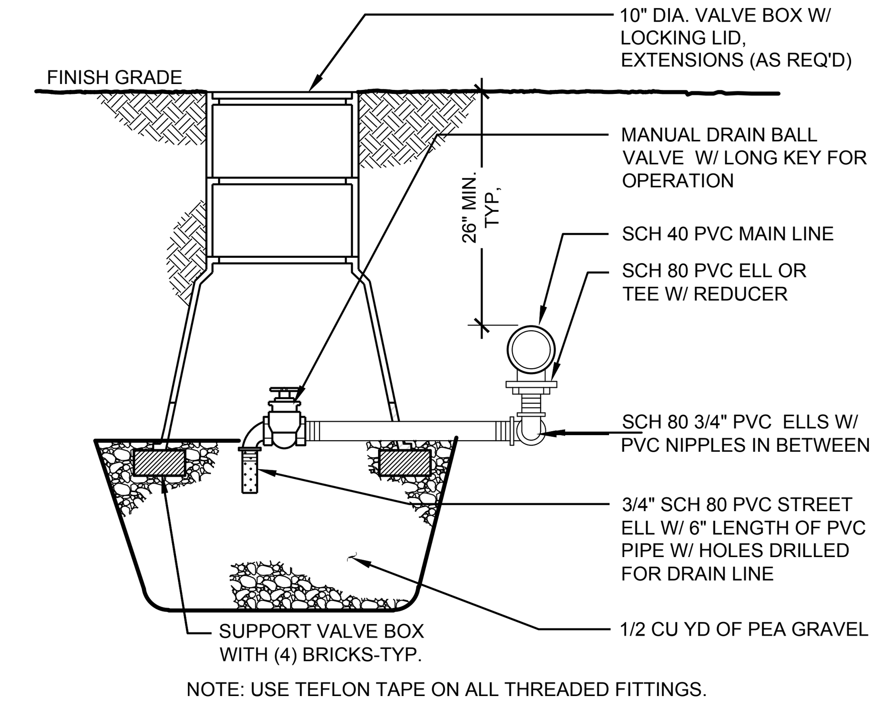


NOTES:
1. ALL INSTALLATIONS SHALL COMPLY WITH THE ASSEMBLY MANUFACTURER'S RECOMMENDATIONS.
2. ALL INSTALLATIONS SHALL COMPLY WITH THE USC FCCCHR ASSEMBLY APPROVAL, AND THE MOST RECENT ADDITION OF THE PNWS-AWWA 'CROSS CONNECTION CONTROL MANUAL', WHICHEVER IS MORE STRINGENT.
3. INSTALL DCVA WITH TEST COCKS POINTED UPWARD. COVER TEST COCKS WITH PLASTIC PLUGS.

2 DOUBLE CHECK ASSEMBLY INSTALLATION
NTS
P-2021-LES-41

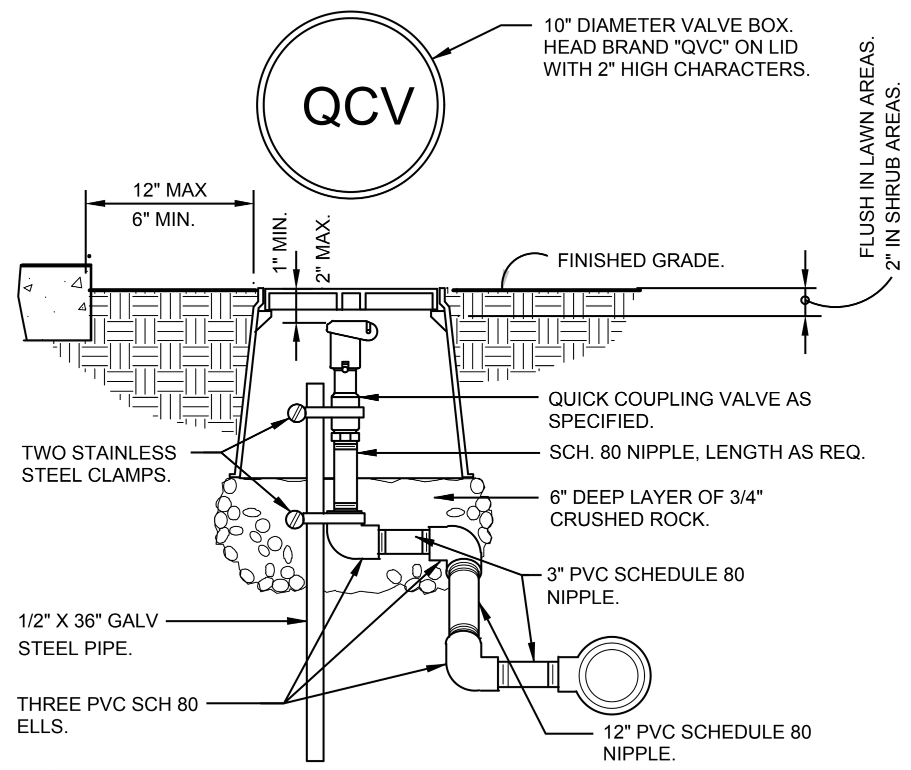


3 BRASS BALL ISOLATION VALVE
1 1/2" = 1'-0"
P-2021-LES-83

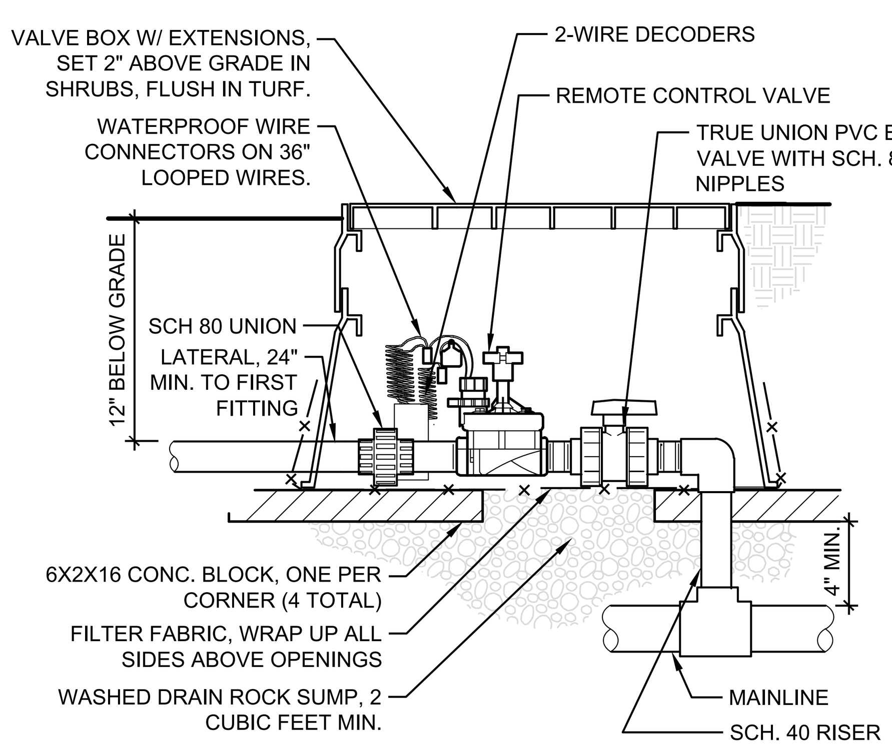


NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS.

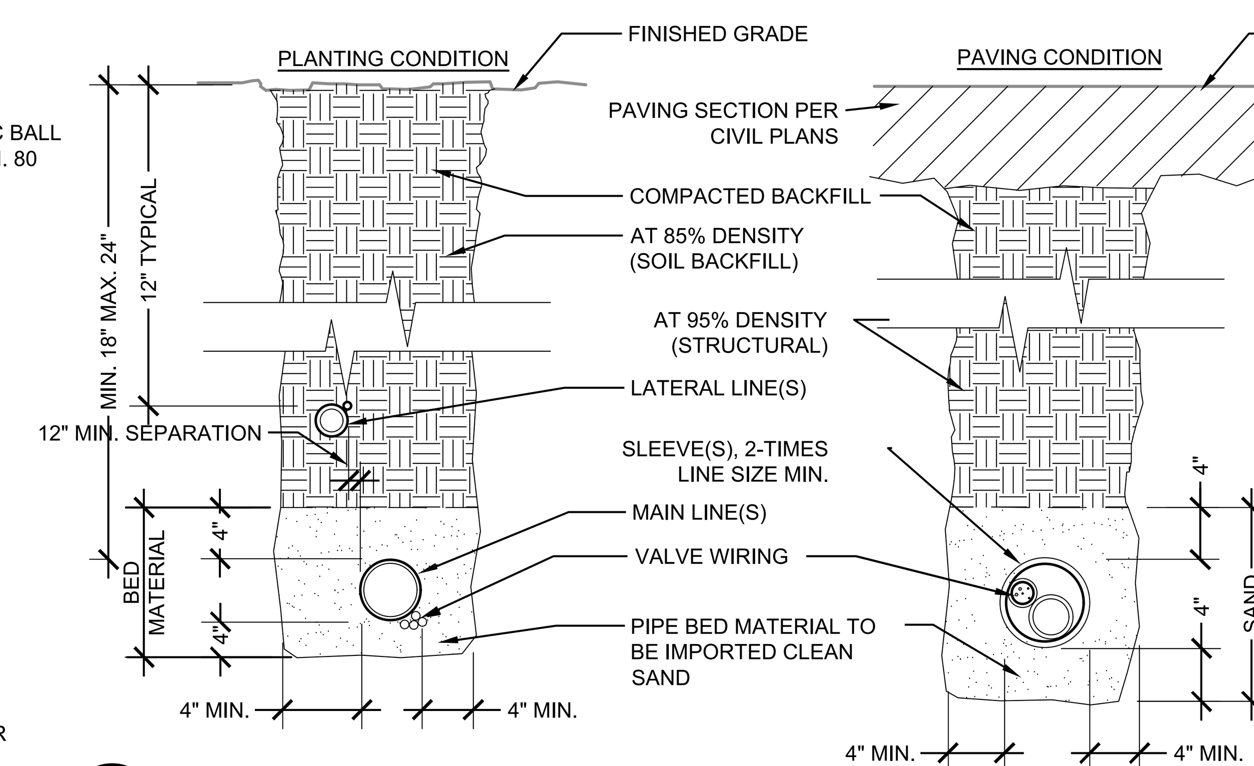
4 MANUAL DRAIN VALVE WITH SUMP
1" = 1'-0"
P-2021-LES-80



5 QUICK COUPLER IN VALVE BOX
1 1/2" = 1'-0"

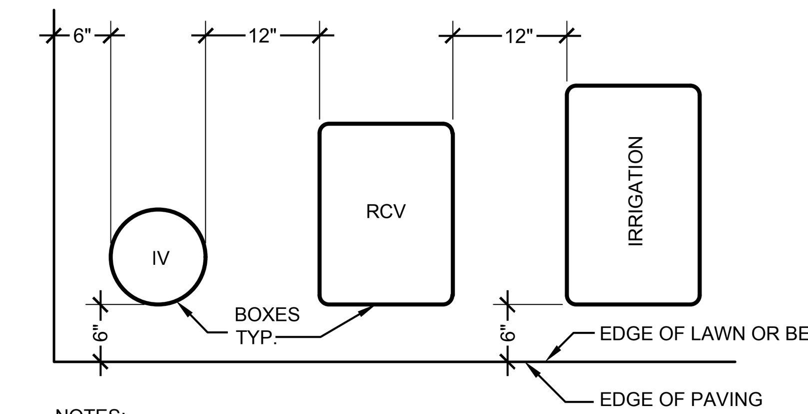


6 REMOTE CONTROL VALVES
NTS
P-2021-LES-52



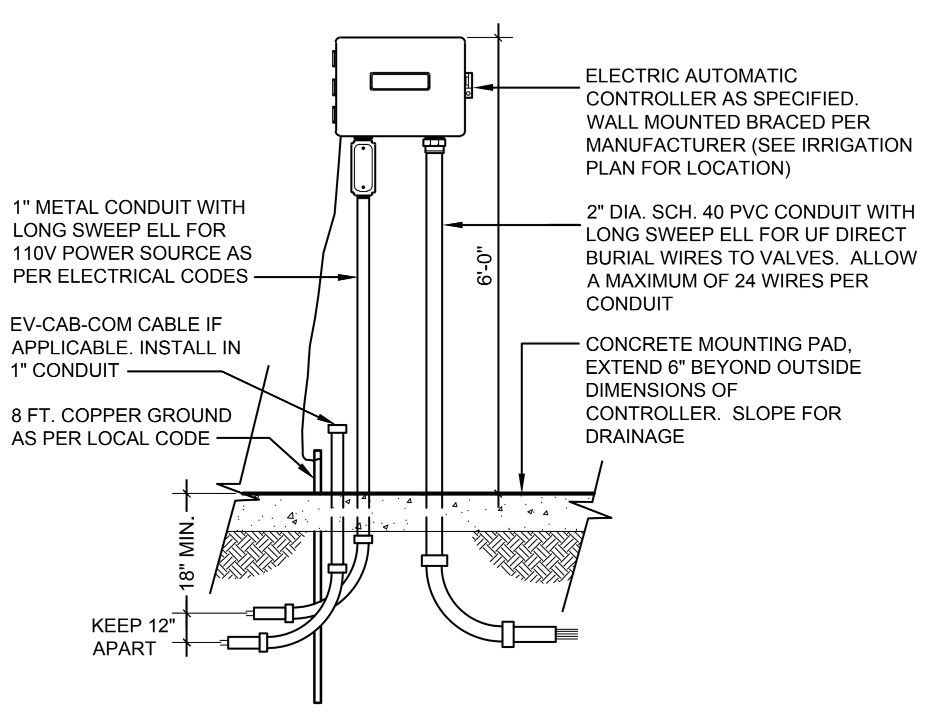
NOTES:
- DIMENSIONS ARE MINIMUM CLEARANCES.
- ALL SLEEVING TRENCH BACKFILL MATERIAL SHALL BE CLEAN IMPORTED SOIL AND BE COMPACTED TO MIN. 95% OPTIMUM DENSITY (MODIFIED PROCTOR).
- DO NOT TAPE OR BUNDLE WIRES IN SLEEVES.
- KEEP ALL PIPES 12" APART
- INSTALL TRACER WIRE WITH MAIN LINE

7 TRENCHING & SLEEVING
NTS
P-2021-LES-51

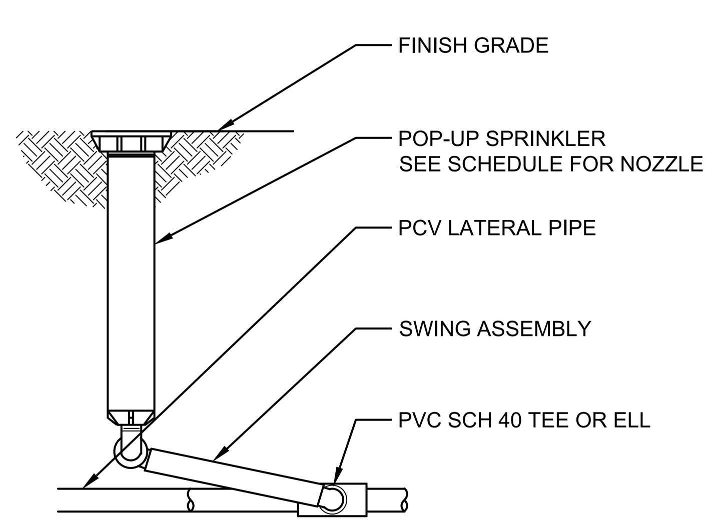


NOTES:
1. CENTER BOX OVER VALVE TO FACILITATE REMOVAL & SERVICING.
2. SET BOXES PARALLEL TO EACH OTHER & PERPENDICULAR TO BED EDGE.
3. AVOID OVER-COMPACTION TO PREVENT DEFORMATION & COLLAPSE OF BOX.

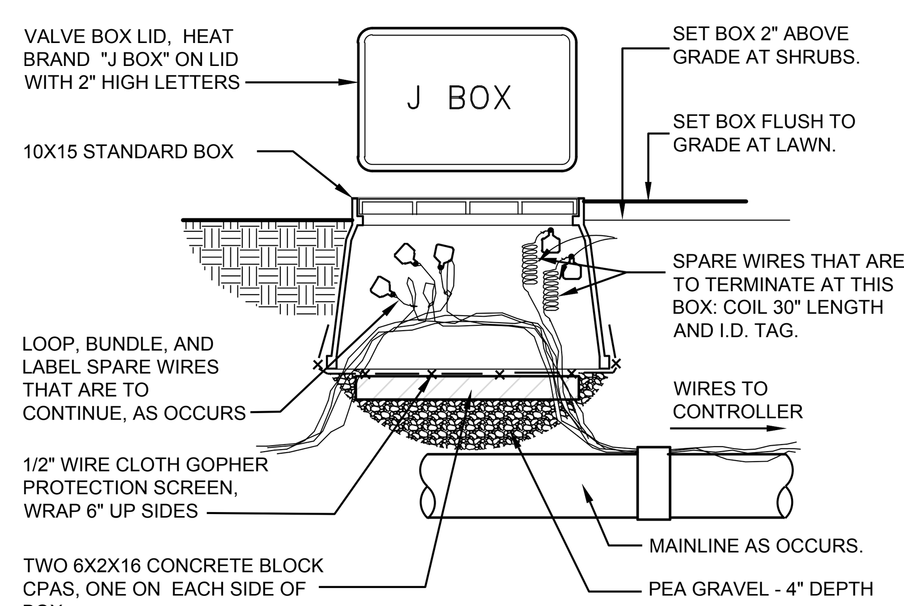
8 VALVE BOX INSTALLATION
3/4" = 1'-0"
P-2021-LES-54



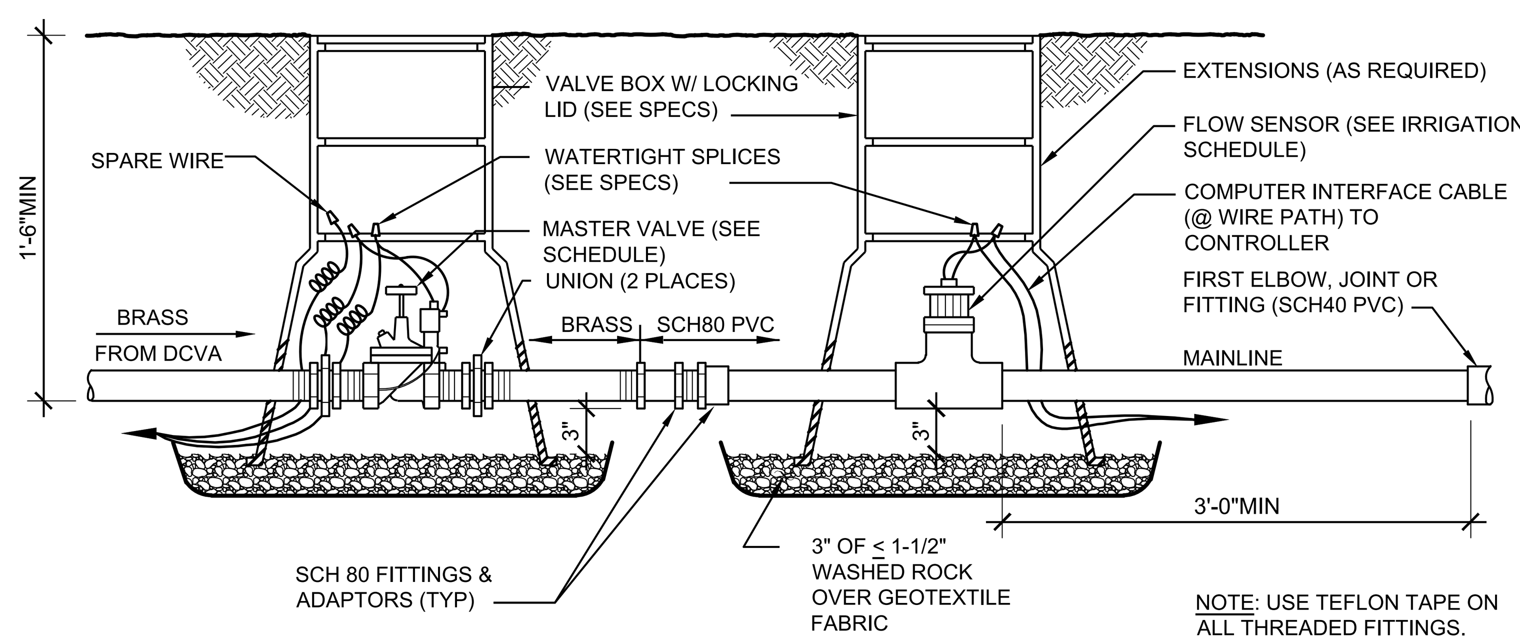
9 CONTROLLER WALL MOUNT
1/2" = 1'-0"
P-2021-LES-42



10 POP-UP SPRAY HEAD
3" = 1'-0"



11 WIRE BUNDLE JUNCTION BOX
3/4" = 1'-0"
P-2021-LES-13



NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS.

12 MASTER VALVE AND FLOW SENSOR
1" = 10'
P-2021-LES-14

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KMB Project # 21070

STATE OF WASHINGTON
CRAIG R. SKIPTON
NO. [illegible] EXP. 03/05/2023
LANDSCAPE ARCHITECT
08/30/2022

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

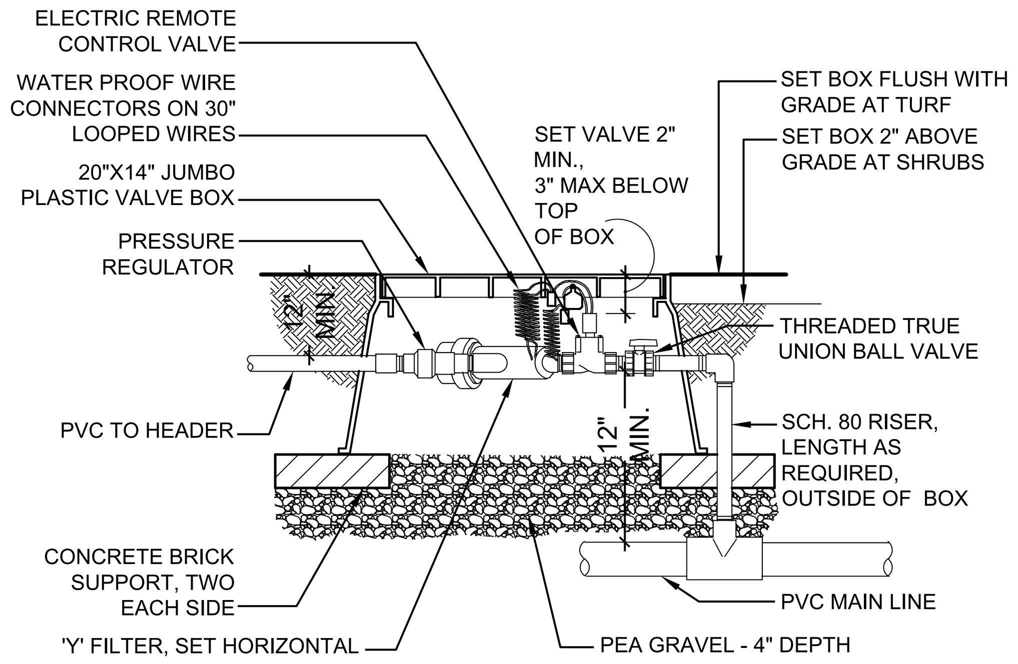
REVISIONS:

DATE:
08-30-2022
100% CD

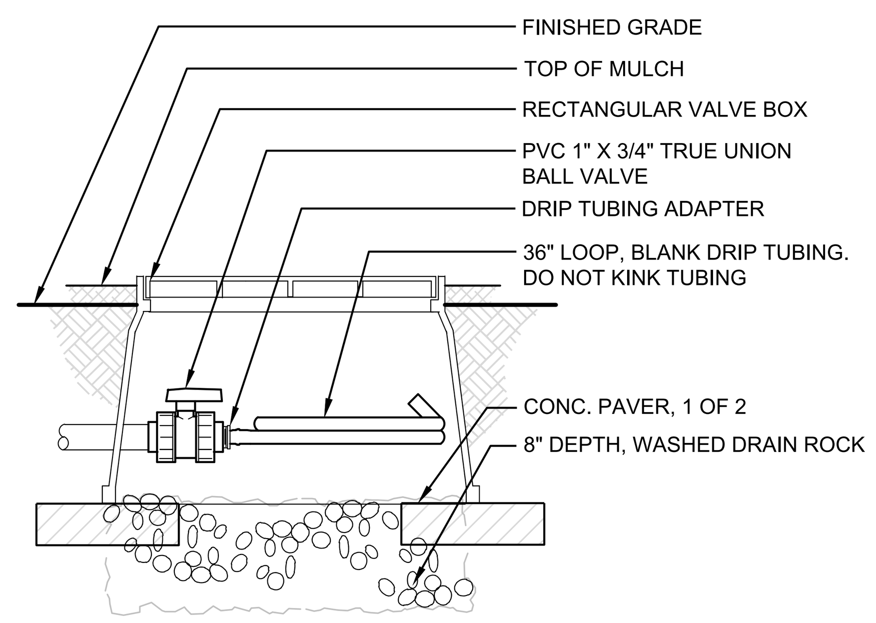
SHEET NO.
L-402

IRRIGATION DETAILS

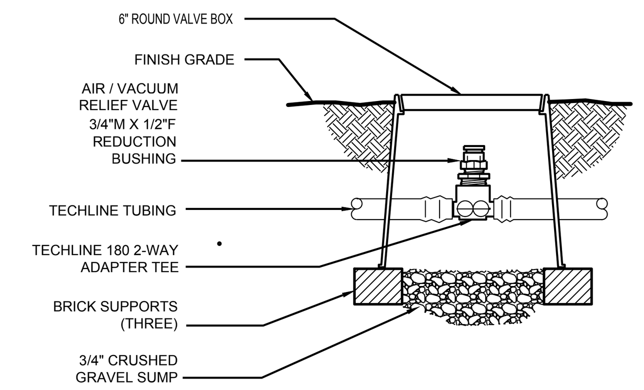
PLOT DATE: 4/8/2022 2:14:37 PM



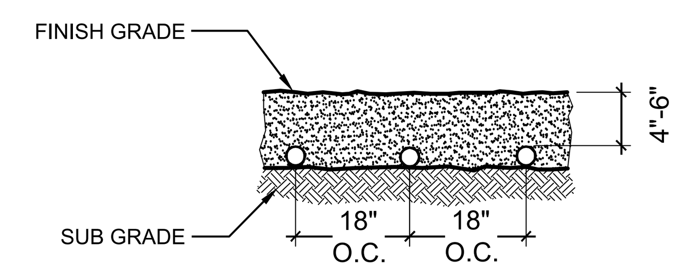
1 DRIP ELECTRIC REMOTE CONTROL VALVE
1" = 1'-0" P-2021-LES-63



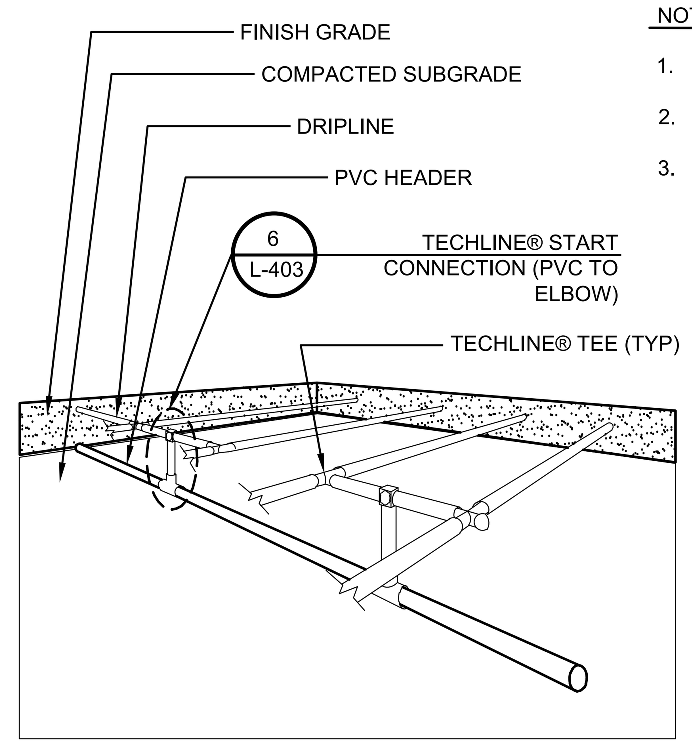
2 DRIP FLUSH VALVE
1 1/2" = 1'-0" P-2021-LES-75



3 DRIP AIR RELIEF VALVE
1" = 1'-0" P-2021-LES-44



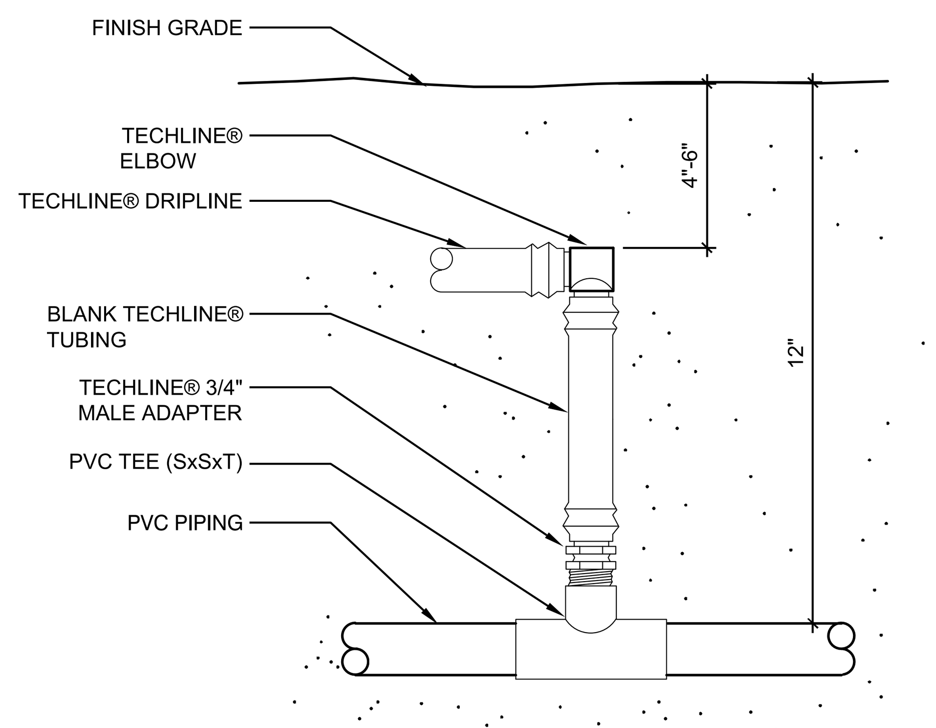
4 DRIP SUBGRADE INSTALLATION
1" = 1'-0" P-2021-LES-62



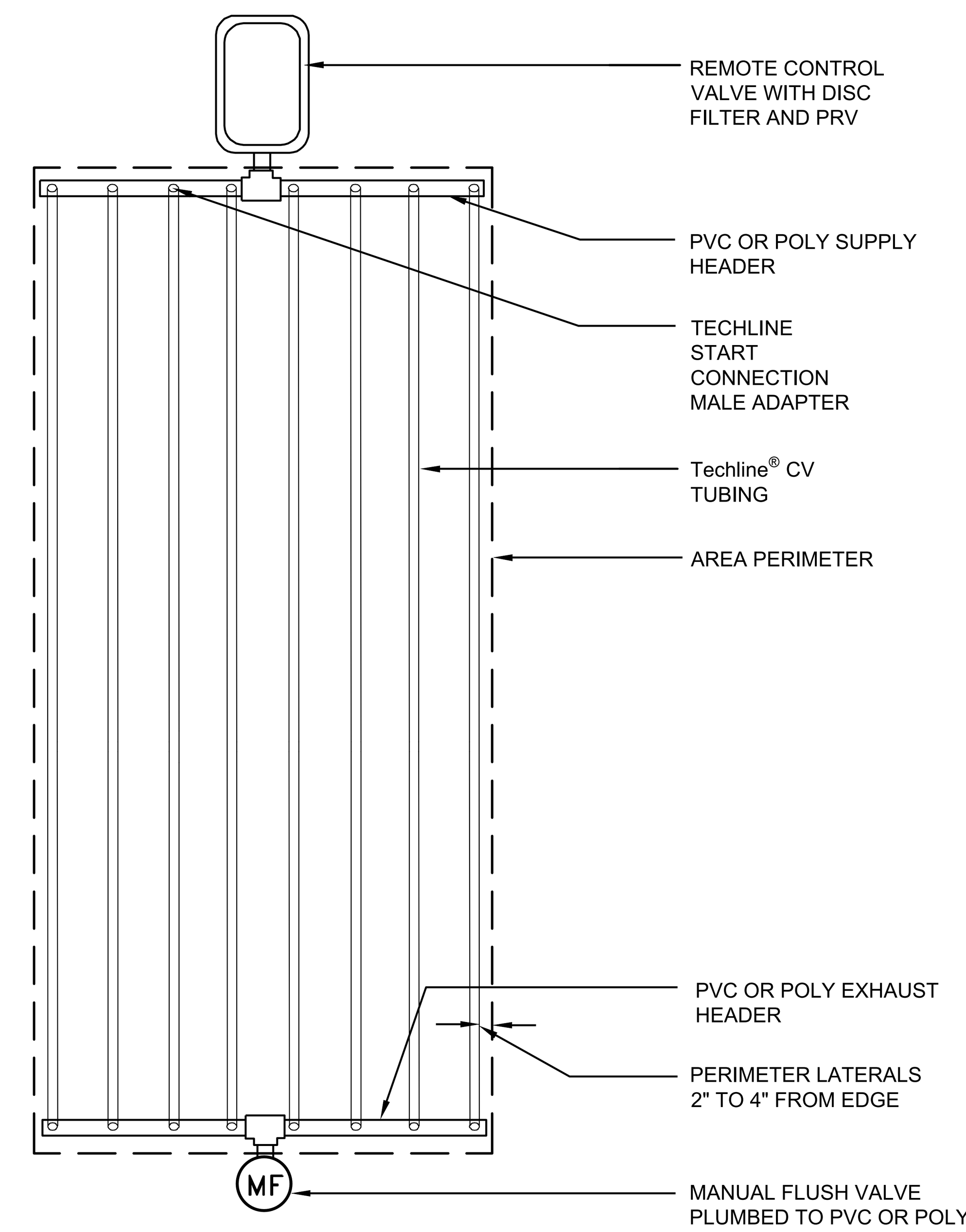
NOTE:
1. RECOMMENDED MINIMUM FILTRATION: 120 MESH
2. PRESSURE AT FLUSH VALVE SHALL BE MIN 21.8 PSI
3. REFER TO MAXIMUM LENGTH OF A SINGLE LATERAL CHART

NOTE:
1. SEE PLANS AND LEGEND FOR ALL DIMENSIONS AND DRIPLINE SPACING.
2. RATIO OF DRIPLINES TO START CONNECTIONS IS SHOWN AT 2:1, BUT MAY VARY PER HYDRAULIC DEMAND ON START CONNECTIONS. SEE PLANS AND LEGEND.

5 DRIP SUB-HEADER INSTALLATION
NOT TO SCALE DETAIL - H115



6 TECHLINE® START CONNECTION (PVC TO ELBOW)
NOT TO SCALE DETAIL - E225A



7 TECHLINE CV END FEED LAYOUT
1" = 1" P-2021-LES-69

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KMB Project # 21070

LESCHI SPIRIT HOUSE
NISQUALLY INDIAN TRIBE
LESCHI CEMETERY ROAD SE, OLYMPIA, WA 98513

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

DATE:
08-30-2022

100% CD

SHEET NO.
L-403

IRRIGATION DETAILS

PLOT DATE: 4/8/2022 2:14:37 PM

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.
6. 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, SEE SOIL PLACEMENT PLAN FOR MIXES AND DEPTHS. ALL DISTURBED AREAS SHALL RECEIVE AMENDMENTS TO MEET BMP T5.13.

3. TOPSOIL SHALL BE 3-PART SANDY LOAM TOPSOIL FROM CEDAR GROVE OR APPROVED ALTERNATE.

4. LAWN TOPSOIL SHALL BE WINTER MIX BY CEDAR GROVE OR APPROVED EQUAL.

5. COMPOST SHALL BE COMPOST MULCH FROM CEDAR GROVE OR APPROVED EQUAL.

MULCHING.

4. 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

5. MULCH TO BE FREE OF DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS, CONSISTING OF ARBORIST CHIPS.

6. TOP OF MULCH SHALL BE FLUSH WITH FINISH GRADES. DO NOT PLACE MULCH WITHIN 2 INCHES OF TRUNKS OR STEMS.

PREPARATION:

1. 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 GROWTH.

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:

1. 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.

2. 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:

1. LANDSCAPE ARCHITECT MAY OBSERVE PLANT MATERIAL EITHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS SPECIES, VARIETY, CULTIVAR, SIZE, AND QUALITY. LANDSCAPE ARCHITECT MAY ALSO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF ROOT SYSTEMS, PESTS, DISEASE SYMPTOMS, INJURIES AND LATENT DEFECTS AND MAY REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED PLANTS IMMEDIATELY FROM PROJECT SITE.

2. 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.

6. PRUNING: PRUNE, THIN, AND SHAPE TREES, SHRUBS AND VINES AS DIRECTED BY LANDSCAPE ARCHITECT.

7. 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.

8. 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. SET OUT AND SPACE GROUND COVER AND PLANTS OTHER THAN TREES, SHRUBS AND VINES AS INDICATED ON DRAWINGS IN EVEN ROWS WITH TRIANGULAR SPACING.

2. USE PLANTING SOIL FOR BACKFILL.

3. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS.

4. WATER THOROUGHLY AFTER PLANTING, TAKING CARE NOT TO COVER PLANT CROWNS WITH WET SOIL.

5. PROTECT PLANTS FROM HOT SUN AND WIND; REMOVE PROTECTION IF PLANTS SHOW EVIDENCE OF RECOVERY FROM TRANSPLANTING SHOCK.

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:

1. 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:

1. 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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IRRIGATION SPECIFICATION

GENERAL

1. THIS 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.

2. 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.

3. 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.

4. 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.

PIPING

5. FOR RING-TITE PVC MAIN LINE PIPING INSIDE SLEEVES USE 1120-315 PSI PVC PLASTIC PIPE WITH SCHEDULE 40 PVC COUPLINGS.

6. IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SLEEVES AND CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.

7. ALL LATERAL PIPING BENEATH PAVED AREAS SHALL BE SCHEDULE 40 PVC PIPE.

8. 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

9. THE BACKFLOW DEVICE SHALL BE INSTALLED ACCORDING TO LOCAL WATER PURVEYOR, HEALTH DEPARTMENT, STATE, AND FEDERAL REQUIREMENTS.

10. INSTALL BACKFLOW ASSEMBLY IN CENTER OF VALVE BOX. ALLOW ADEQUATE ROOM (6-8" PREFERABLY) ON BOTH SIDES OF ASSEMBLY FOR ACCESS.

11. STACKED VAULT BOXES MUST BE PERMANENTLY FASTENED TOGETHER.

12. SUPPORT ALL DOUBLE CHECK ASSEMBLIES 1.5" IN SIZE AND GREATER. SUPPORTS SHALL NOT INTERFERE WITH MAINTENANCE OR NORMAL OPERATION OF THE ASSEMBLY.

13. FLUSH LINES THOROUGHLY BEFORE INSTALLING ASSEMBLY.

14. 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' INTERVALS.

15. IRRIGATION CONTRACTOR TO COORDINATE WITH NISQUALLY WATER UTILITIES FOR PREINSTALLATION REQUIREMENTS, MUNICIPAL INSTALLATION, INSPECTION AND TESTING OF BACKFLOW PREVENTION DEVICE.

VALVES

16. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS WHERE POSSIBLE (NOT IN LAWN AREA.)

17. 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.

18. LOCATE QUICK COUPLING VALVE 12" FROM HARDSCAPE AREA AND NO FURTHER THAN 100' APART.

CONTROLLER & WIRING

19. 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.

20. EACH CONTROLLER SHALL HAVE ITS OWN INDEPENDENT GROUND WIRE.

21. 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.

22. 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.

23. INSTALL A SPARE CONTROL WIRE OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.

SPRINKLERS

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

25. 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.

26. 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.

27. 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

28. 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.

29. 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.

30. INSTALL AIR RELIEF VALVES PER MANUFACTURER'S RECOMMENDATIONS, IN CONTROL VALVE BOXES.

31. INSTALL DRIP LINES ACCORDING TO MANUFACTURER'S INSTRUCTIONS. NO DRIP TUBING SHALL BE LEFT EXPOSED.

TESTS/INSPECTIONS/MAINTENANCE

32. POINT OF CONNECTION WATER PRESSURE TEST: TEST WATER PRESSURE AT THE IRRIGATION SYSTEM POINT OF CONNECTION PRIOR TO BEGINNING WORK. SUBMIT RESULTS OF TEST TO LANDSCAPE ARCHITECT.

33. OPERATION AND COVERAGE TEST: OPERATE CONTROLLERS AND AUTOMATIC VALVES. PERFORM WATER COVERAGE TEST IN PRESENCE OF LANDSCAPE ARCHITECT. DRY SPOTS WILL NOT BE ACCEPTED.

34. MAINTAIN A COMPLETE SET OF RECORD DRAWINGS, CORRECTED DAILY, TO SHOW DESIGN AND SPECIFICATION CHANGES, AND LOCATION OF SYSTEM COMPONENTS. SUBMIT COPIES AS REQUESTED.

35. SUBMIT OPERATING AND MAINTENANCE GUIDES FOR THE ENTIRE SYSTEM. INCLUDE INSTRUCTIONS FOR SYSTEM WINTERIZATION.

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STATE OF WASHINGTON
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NO. [illegible]1 EXP. 03/05/2023
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