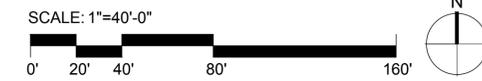


**GENERAL NOTES**

1. DO NOT SCALE DRAWINGS.
2. REFER TO CIVIL DRAWINGS FOR GRADING, UTILITY AND ADDITIONAL LAYOUT INFORMATION.
3. REFER TO ARCHITECTURAL FOR BUILDING GRID LAYOUT INFORMATION.
4. VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES BEFORE BEGINNING WORK.
5. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND IN PLANS OR DEVIATIONS FROM DOCUMENTED ON-SITE CONDITIONS. FAILURE TO NOTIFY THE ARCHITECT IN A TIMELY MANNER AS SPECIFIED SHALL RESULT IN CONTRACTOR TAKING RESPONSIBILITY FOR ANY AND ALL REMEDIAL MEASURES REQUIRED.
6. STRING DIMENSIONS OF SITE IMPROVEMENTS ARE FROM GRIDLINES, FACE OF BUILDING WALL, BACK OF CURB OR COORDINATE POINT AS SHOWN ON PLAN.
7. WHERE DIMENSIONS ARE IN FEET ONLY, CONTRACTOR IS TO ASSUME THEY ARE 0" (E.G. 12' = 12'-0").
8. MARK OR STAKE LOCATIONS OF FENCING, SITE WALLS, RAMPS, WALKS, SITE FURNITURE, ATHLETIC EQUIPMENT, ETC. FOR APPROVAL BY ARCHITECT, PER SPECIFICATIONS, PRIOR TO INSTALLATION.



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PROJECT MANAGER: | LL  
PROJECT ARCHITECT: | AM

**DRAWING TITLE:**

**OVERALL LANDSCAPE PLAN**

**DRAWING NUMBER:**

**L1.0**



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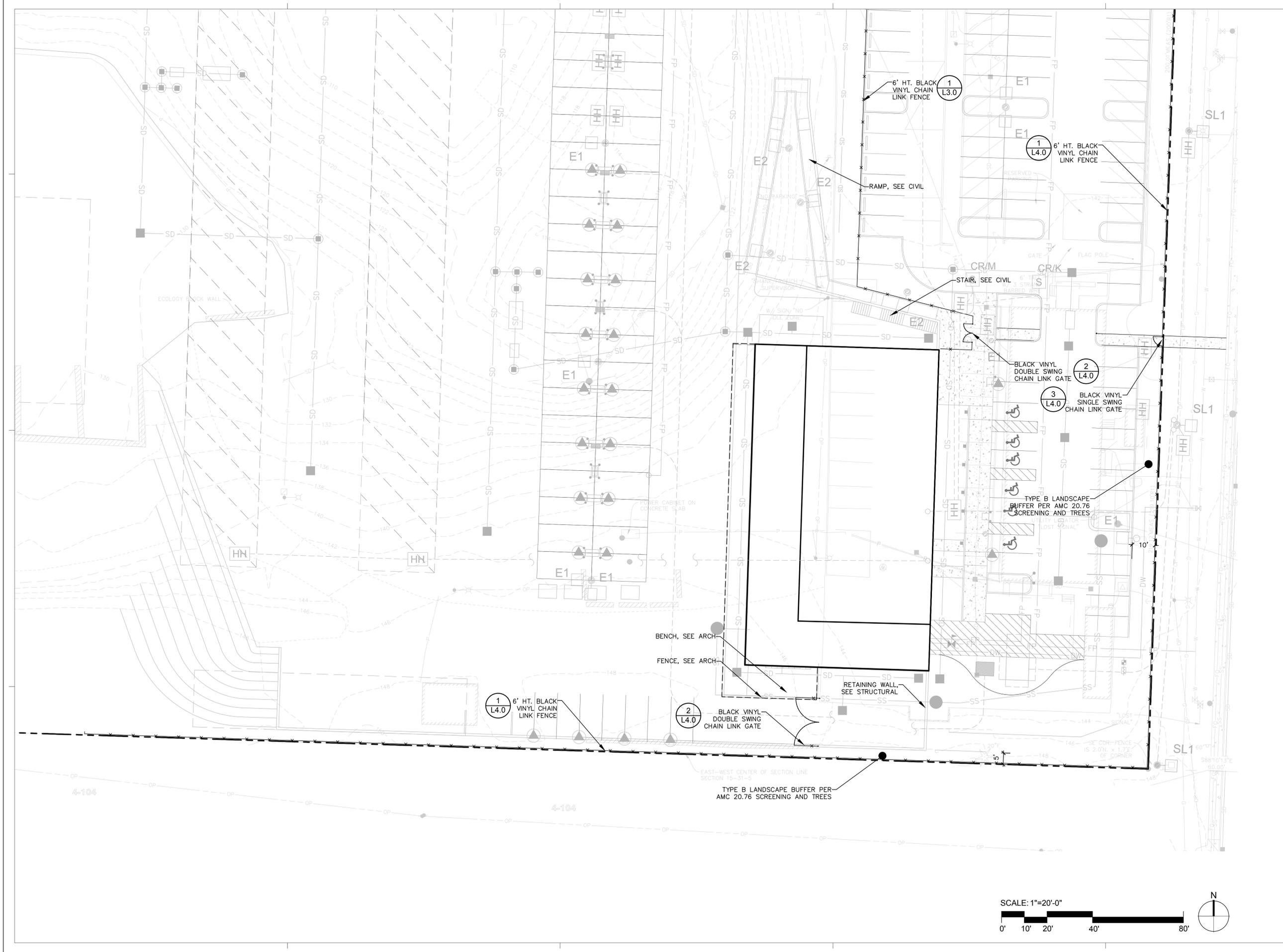
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PROJECT ARCHITECT: | AM

DRAWING TITLE:

**LANDSCAPE PLAN ENLARGEMENT**

DRAWING NUMBER:

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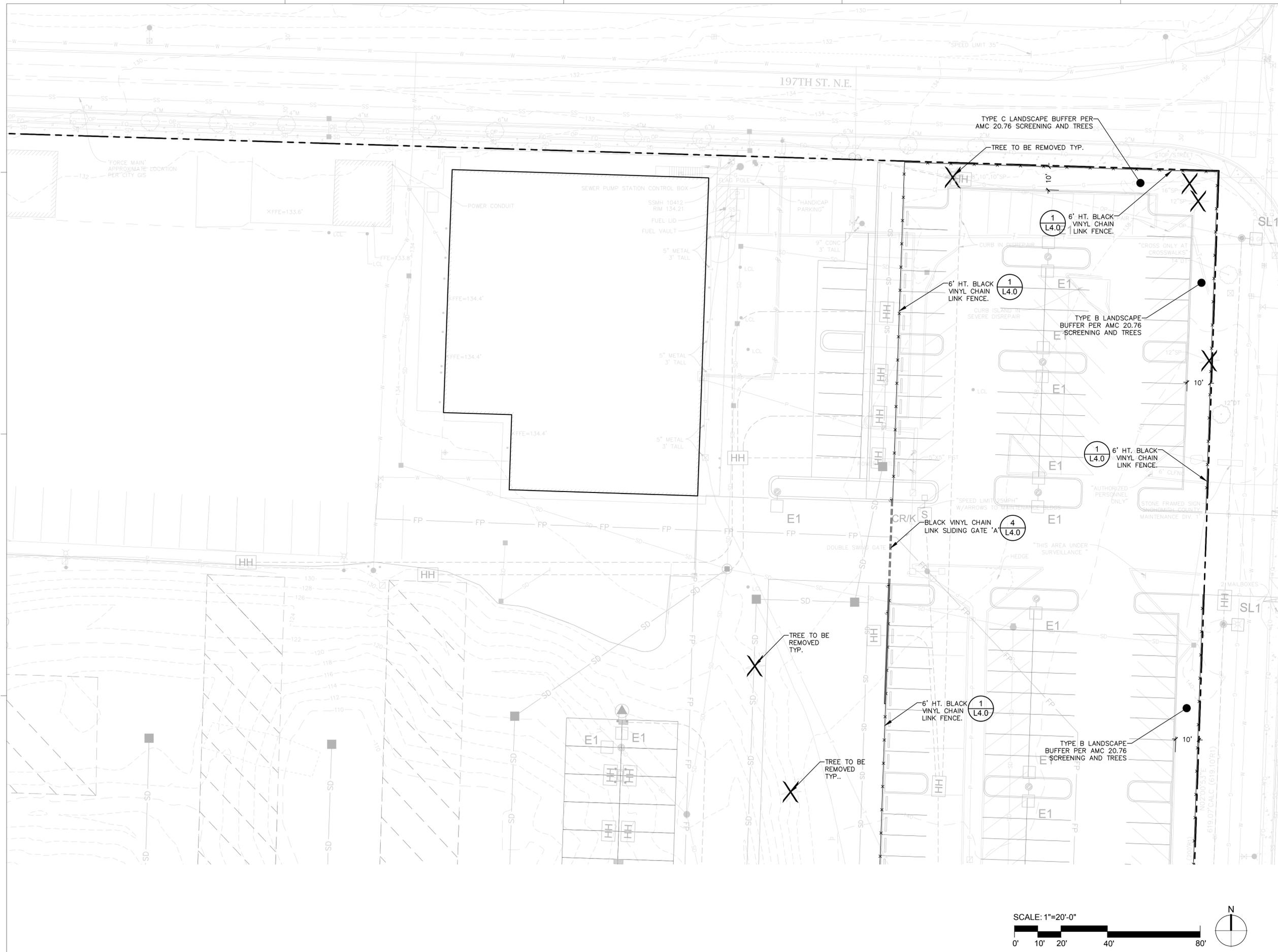
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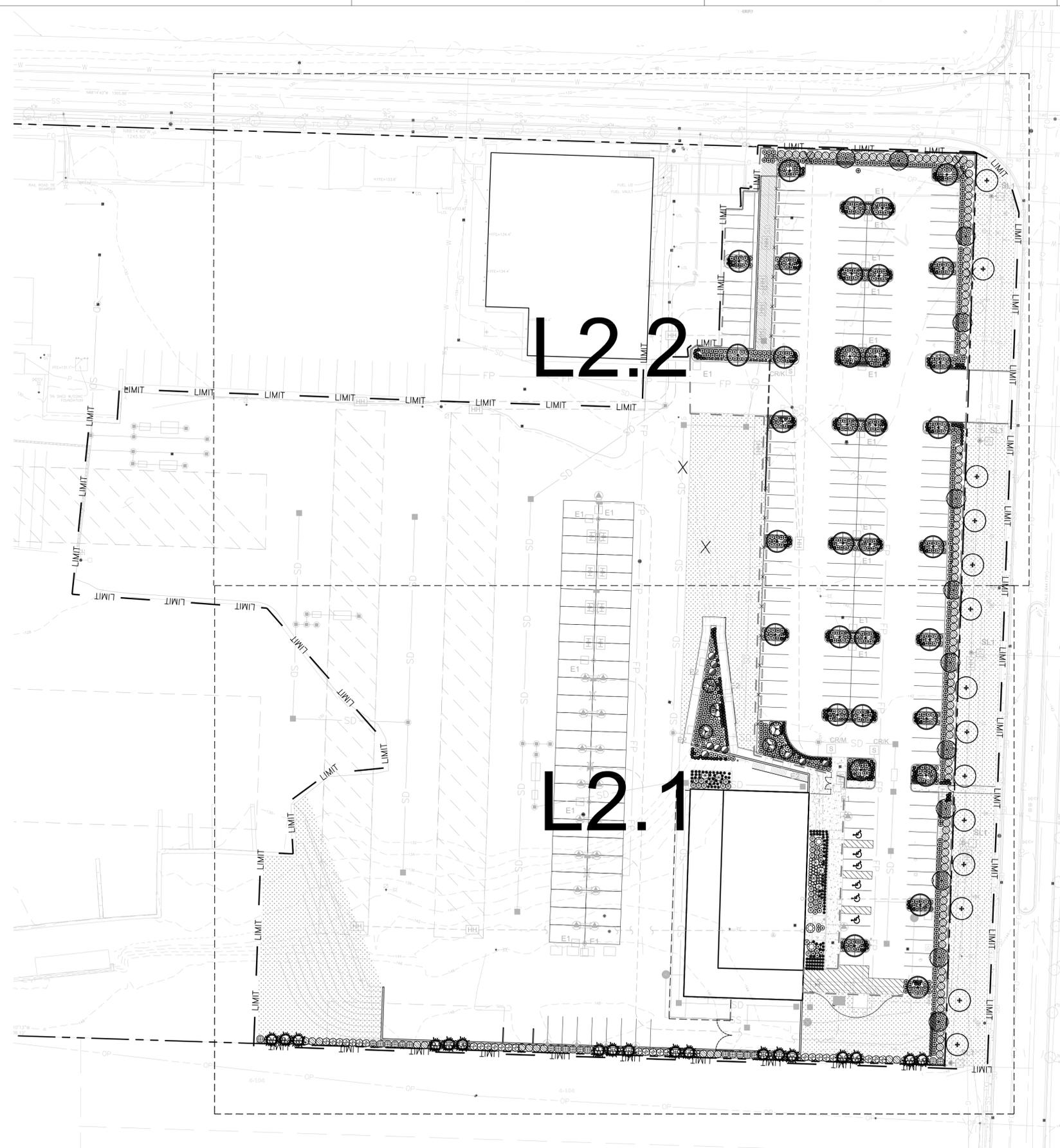
DRAWING TITLE:

**LANDSCAPE PLAN ENLARGEMENT**

DRAWING NUMBER:

**L1.2**





**PLANTING NOTES**

1. SUBMIT COLOR PHOTOS REPRESENTATIVE OF PROPOSED NURSERY STOCK FOR EACH PLANT SPECIES AND VARIETY LISTED IN LANDSCAPE SCHEDULE. FINAL APPROVAL OF PLANT MATERIAL WILL NOT BE PROVIDED UNTIL DELIVERY AND REVIEW ON SITE.
2. CONTAINERIZED TREES ARE STRONGLY DISCOURAGED. TREES WITH LARGE CIRCLING ROOTS OR TOO DEEP ROOT SYSTEMS WILL BE REJECTED.
3. ALL ROOT PACKAGES MUST BE FREE OF ANY WEEDS.
4. TREE STAKING REQUIREMENTS WILL BE DETERMINED BY LANDSCAPE ARCHITECT AT THE TIME OF PLANTING. PROPERLY PROPORTIONED AND PLANTED TREES WITH HEALTHY ROOT PACKAGES MAY NOT REQUIRE STAKING.
5. ALL TREE STAKES MUST BE REMOVED BY THE CONTRACTOR BY THE END OF THE FIRST FULL GROWING SEASON.
6. AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, PRUNING MAY BE REQUIRED TO REMOVE DAMAGED, CROSSING, MISSHAPEN OR LOW BRANCHING LIMBS. TREES SHOULD NOT REQUIRE SIGNIFICANT PRUNING TO CORRECT HEALTH OR AESTHETIC DEFICIENCIES.
7. INSTALL 3" DEPTH SPECIFIED MULCH IN ALL LANDSCAPE AREAS.
8. INSTALL 8" DEPTH SPECIFIED TOPSOIL IN ALL LANDSCAPE AREAS.
9. PROVIDE A 4' DIAMETER MULCH CIRCLE AROUND ALL TREES PLANTED IN LAWN AREAS.
10. REFER TO CIVIL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR REMOVAL REQUIREMENTS AND PROTECTION FENCING AROUND EXISTING VEGETATION.
11. REFER TO TREE PRESERVATION PLANS FOR SCHEDULE OF EXISTING TREES TO BE SAVED OR REMOVED.
12. REFER TO CIVIL PLANS FOR NEW UTILITY WORK. CONTRACTOR RESPONSIBLE FOR PATCH AND REPAIR OF ALL EXISTING LANDSCAPE AREAS DISTURBED BY CONSTRUCTION WORK UNDER THIS CONTRACT.
13. REFER TO PLANTING AND SEEDING SPECIFICATION FOR ADDITIONAL REQUIREMENTS, INCLUDING EXTENDED MAINTENANCE REQUIREMENTS.

**LANDSCAPE CALCULATIONS**

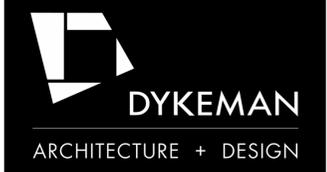
CODE SECTION	REQUIREMENT	PROPOSED
SHADE TREES IN PARKING AREAS (20.76.130)	20% OF VEHICULAR ACCOMMODATION AREA SHALL BE SHADED. TREES SHALL BE CALCULATED AT 15' RADIUS (707SF/TREE) VEHICULAR ACCOMMODATION AREA=72,975 SF REQUIRED SHADED AREA = 14,559 SF	34 TREES PROVIDED X 707 SF (PER TREE) = 24,038 SF OF SHADING PROVIDED

**TREE REPLACEMENT CALCULATIONS**

CODE SECTION	REQUIREMENT	PROPOSED REPLACEMENT TREES
RETENTION AND PROTECTION OF SIGNIFICANT TREES (20.76.120)	FOR EVERY ONE EVERGREEN TREE GREATER THAN 12" DBH TO BE REMOVED MUST BE REPLACED WITH THREE NATIVE TREES  TREES TO BE REMOVED 12" DOUGLAS FIR 12" DOUGLAS FIR 16" SHORE PINE 14" SHORE PINE 12" SHORE PINE 12" SHORE PINE	18 SHORE PINE

**PERCENTAGE OF LOT LANDSCAPING**

LOT SIZE (LIMIT OF WORK)	LANDSCAPING AREA	PERCENTAGE OF LOT LANDSCAPING
269,000 SQ FT	54,350 SQ FT	20%



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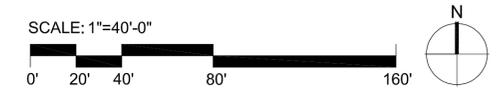
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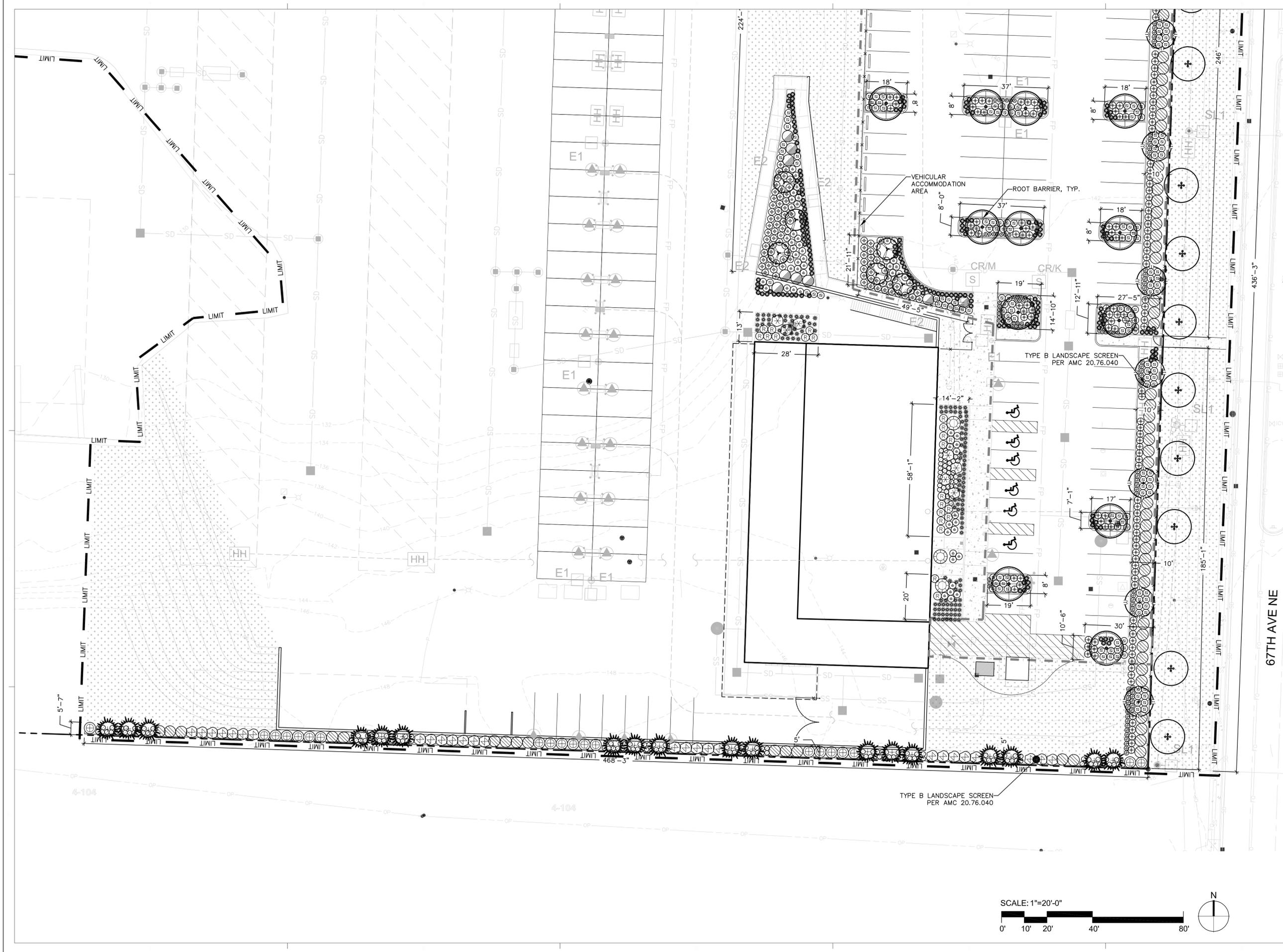
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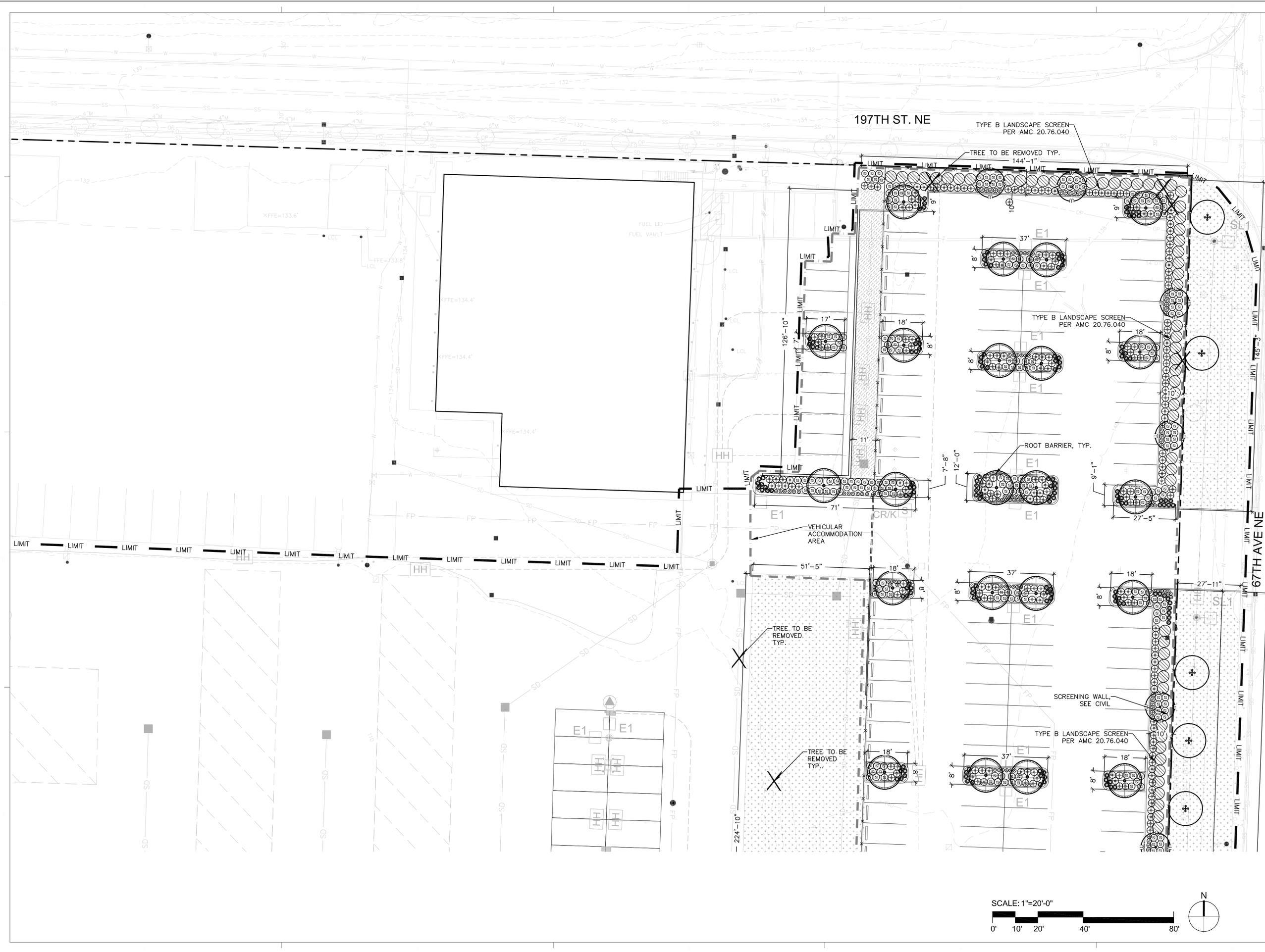
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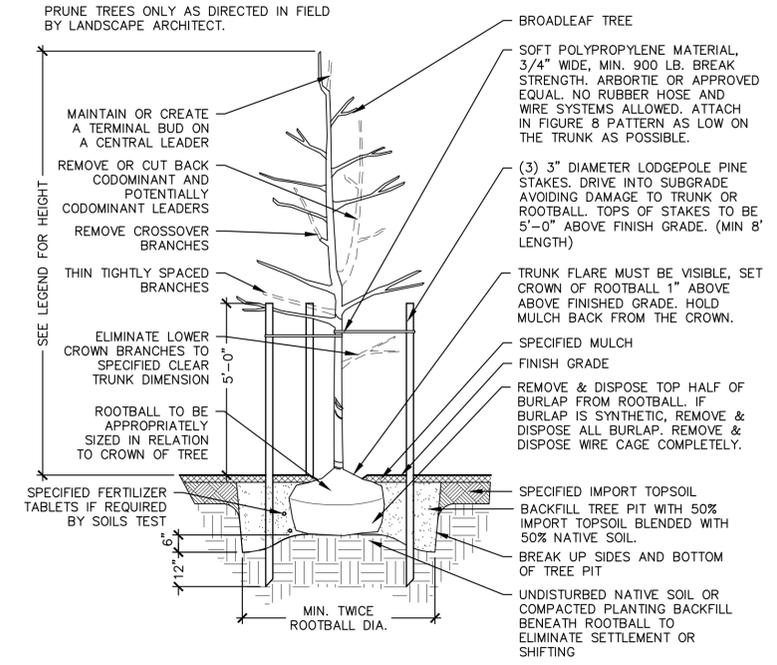
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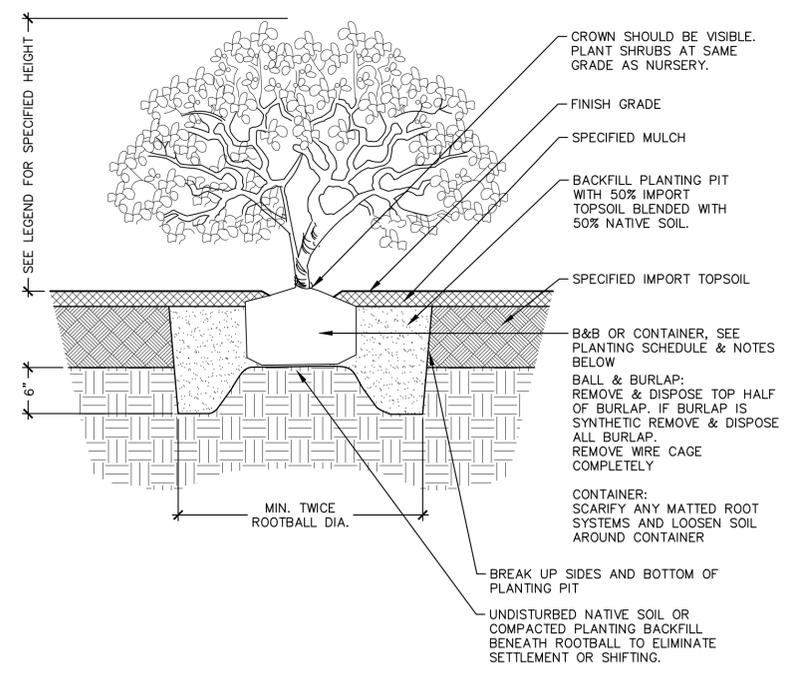
**L2.2**

**PLANT SCHEDULE**

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	CONDITION / REMARKS
<b>DECIDUOUS TREES</b>				
	34	ACER X FREEMANII 'ARMSTRONG' ARMSTRONG FREEMAN MAPLE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED ABOVE 6'HT.
	12	GINKGO BILOBA 'AUTUMN GOLD' MAIDENHAIR TREE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED ABOVE 6'HT.
	14	TILIA CORDATA 'CHANCELLOR' CHANCELLOR LINDEN	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED ABOVE 6'HT.
<b>EVERGREEN TREES</b>				
	18	PINUS CONTORTA SHORE PINE	MIN. 8'-10' HT.	FULL AND BUSHY TO BASE, B&B OR CONT.
<b>SMALL ACCENT TREES</b>				
	6	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' 'AUTUMN BRILLIANCE' SERVICEBERRY	(3) 1" CAL. TRUNKS, MIN. 8'-10' HT	MATCHED, B&B., WELL BRANCHED
<b>SHRUBS</b>				
	116	ACHILLEA MILLEFOLIUM 'MOONSHINE' YARROW	MIN. 1 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	6	ENKIANTHUS CAMPANULATUS ENKIANTHUS	MIN. 30"-36" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	7	HAMAMELIS X INTERMEDIA 'ARNOLD PROMISE' ARNOLD PROMISE WITCH HAZEL	MIN. 5'-6" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	340	HELICTOTRICHON SEMPERVIRENS BLUE OAT GRASS	MIN. 5 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	27	HOLODISCUS DISCOLOR OCEAN-SPRAY	MIN. 30"-36" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	60	HYDRANGEA QUERCIFOLIA 'PEE WEE' OAKLEAF HYDRANGEA	MIN. 12"-15" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	372	ILEX CRENATA 'NORTHERN BEAUTY' NORTHERN BEAUTY JAPANESE HOLLY	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	82	PRIVET HONEYSUCKLE	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	116	MAHONIA AQUIFOLIUM OREGON GRAPE	MIN. 24"-30" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	177	MAHONIA AQUIFOLIUM 'COMPACTA' COMPACT OREGON GRAPE	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	20	PHILADELPHUS LEWISII WILD MOCKORANGE	MIN. 42" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	122	POLYSTICHUM MUNITUM WESTERN SWORD FERN	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	24	RHODODENDRON 'LODER'S WHITE' LODER'S WHITE RHODODENDRON	MIN. 30"-36" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	9	RIBES SANGUINEUM RED FLOWERING CURRANT	MIN. 30"-36" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	87	SPIRAEA BETULIFOLIA 'TOR' BIRCHLEAF SPIREA	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
	356	SPIRAEA JAPONICA 'ANTHONY WATERER' JAPANESE SPIREA	MIN. 18"-24" HT./SPD.	FULL & BUSHY, SPACING AS SHOWN ON PLAN
<b>GROUND COVERS</b>				
	1,391 SF	BIORETENTION		
	321	IRIS TENAX OREGON IRIS	1 GAL. CONT. MIN.	18" O.C. TRIANG. SPAC., START FIRST ROW 10" FROM EDGE
	321	JUNCUS EFFUSUS COMMON RUSH	1 GAL. CONT. MIN.	18" O.C. TRIANG. SPAC., START FIRST ROW 12" FROM EDGE
<b>LAWN</b>				
	29,107 SF	LAWN		SEE SPECIFICATION
		VEHICULAR ACCOMMODATION AREA		
		ROOT BARRIER		6' LONG X 18" DEEP PER AMC 20.76.124(E)
		SHADE TREES IN PARKING AREA		



**1 DECIDUOUS TREE PLANTING**  
3/8" = 1'-0" P-AR1-03



**2 SHRUB PLANTING**  
1" = 1'-0" P-AR1-07

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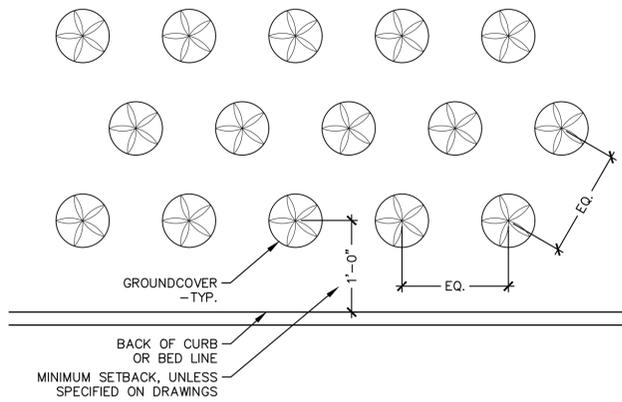
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**PLANTING LEGEND & DETAILS**

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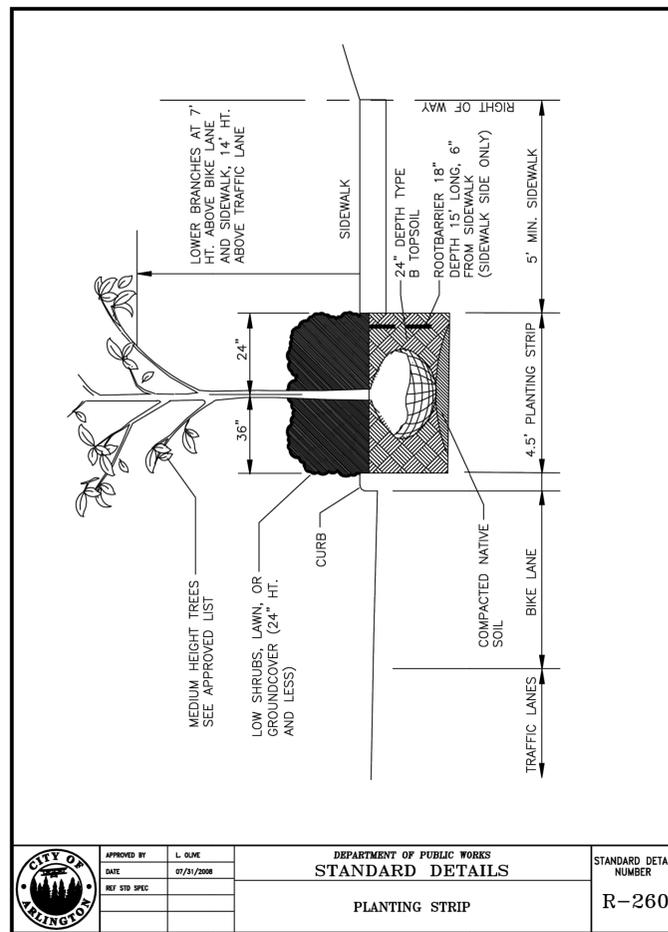
**L2.3**



NOTES:  
 1. ALL GROUNDCOVER TO PLANTED AT = SPACING (TRIANGULAR) PER O.C. SPACING ON PLANS

**1** GROUNDCOVER SPACING DIAGRAM  
 1" = 1'-0"

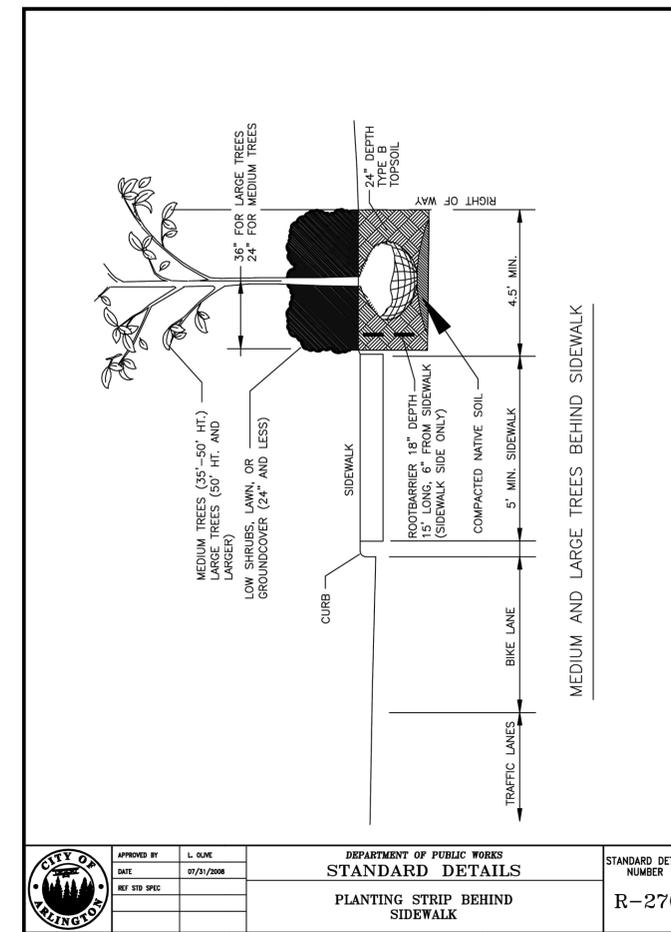
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CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS	STANDARD DETAIL NUMBER R-260
	DATE	07/31/2008		
	REF STD SPEC			
PLANTING STRIP				

**2** PLANTING STRIP  
 Scale: NTS

Scale: NTS



CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS	STANDARD DETAIL NUMBER R-270
	DATE	07/31/2008		
	REF STD SPEC			
PLANTING STRIP BEHIND SIDEWALK				

**3** PLANTING STRIP - BEHIND SIDEWALK  
 Scale: NTS

Scale: NTS

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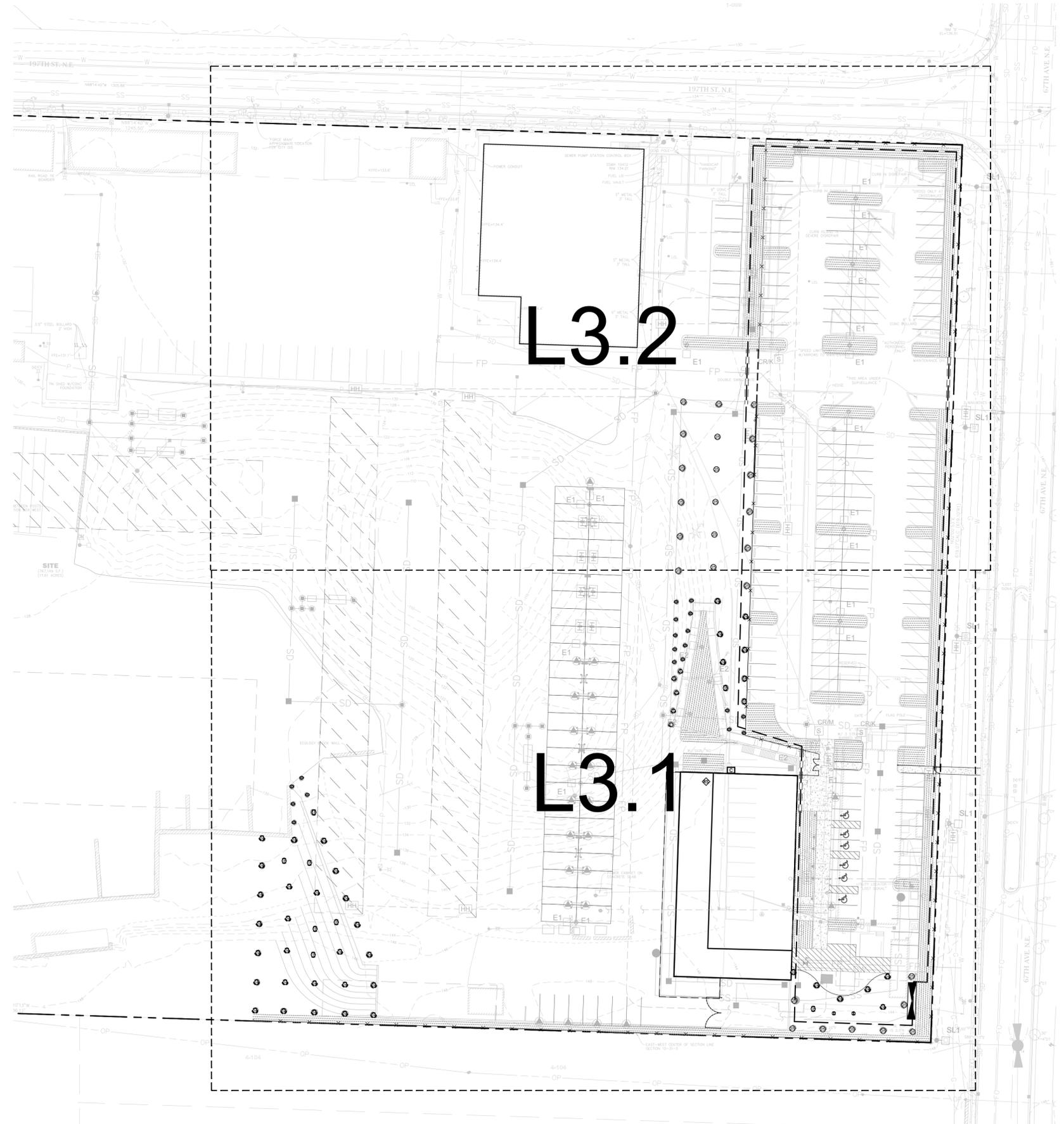
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PLANTING  
 DETAILS

DRAWING NUMBER:

**L2.4**



**IRRIGATION NOTES:**

- ADJUST ALL IRRIGATION HEADS TO PROVIDE MAXIMUM COVERAGE, MINIMUM OVERSPRAY, AND NO FOGGING. SET ALL HEADS BACK FROM CURBS, PAVING, AND WALLS. SPRINKLER HEADS SHALL BE INSTALLED WITH 6" OFFSET FROM BACK OF PAVING OR CURB EDGES, AND 12" OFFSET WHERE CAR BUMPERS WILL OVERHANG.
- LOCATION OF IRRIGATION MAINLINE, LATERALS, AND SLEEVING ARE SCHEMATIC ONLY, AND SHALL OCCUR IN PLANTING AREAS UNLESS SLEEVING IS SHOWN. IF SLEEVES ARE SHOWN THEY ARE TO BE STRAIGHT RUNS, TYP. MAKE MINOR CHANGES TO COORDINATE WITH ACTUAL AS-BUILT DIMENSIONS AND CONDITIONS.
- VALVE BOXES SHALL BE LOCATED IN SHRUB PLANTING AREAS ONLY. LOCATE IN APPROXIMATE LOCATIONS AS SHOWN ON PLAN.
- SEE CIVIL PLANS FOR LOCATION OF IRRIGATION STUB-OUT FROM \_\_\_" METER.
- ANTICIPATED AVAILABLE STATIC WATER PRESSURE IS +/- \_\_\_ PSI, AS PROVIDED BY \_\_\_ ON \_\_\_. VERIFY EXACT PRESSURE AT POINT OF CONNECTION PRIOR TO START OF WORK.
- THE IRRIGATION SYSTEM HAS BEEN DESIGNED WITH SEPARATE HYDROZONES ACCORDING TO THE NEEDS OF THE PLANT MATERIAL. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO PROVIDE A MINIMUM AVERAGE DISTRIBUTION UNIFORMITY OF 0.625. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO AVOID RUNOFF, LOW HEAD DRAINAGE, AND OVERSPRAY. AVOID IRRIGATION DURING TIMES OF HIGH WINDS, WHEN RAINING, OR DURING THE MIDDLE OF THE DAY.
- LATERAL PIPE SIZE SHALL BE AS NOTED ON PLAN. UNLABELED SECTIONS SHALL MATCH THE SIZE NOTED OF THE ADJACENT UPSTREAM PIPE. MINIMUM PIPE SIZE AT END OF LATERAL RUNS SHALL BE 3/4".
- QUANTITIES AND PIPE LENGTHS INDICATED ON THE IRRIGATION SCHEDULE ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR. IF THERE IS A DISCREPANCY BETWEEN PLAN AND SCHEDULE, THE PLAN SHALL TAKE PRECEDENT.
- WHERE IRRIGATION PIPING IS SHOWN ADJACENT OR UNDER EXISTING TREES, MAKE MINOR ROUTE ADJUSTMENTS TO AVOID TRENCHING THROUGH LARGE TREE ROOTS. REFER TO SPECIFICATION SECTION 328000 FOR FURTHER INSTRUCTIONS.
- REFER TO IRRIGATION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.



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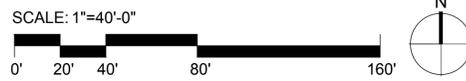
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**DRAWING NUMBER:**

**L3.0**





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Fora Landscape Architects  
1430 NE 65th Street  
Seattle, WA 98115  
t: 206-322-1732 w: fora.land

REGISTRATION STAMPS:



PROJECT IDENTIFICATION:

**Arlington Operations Center**  
FOR  
**Snohomish County Public Works**  
AT  
19620 67th Ave NE  
Arlington, WA 98223

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PROJECT NUMBER:

REVISIONS:

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PROJECT TEAM:

PRINCIPAL IN CHARGE: | AR  
PROJECT MANAGER: | LL  
PROJECT ARCHITECT: | AM

DRAWING TITLE:

**IRRIGATION PLAN  
ENLARGEMENT**

DRAWING NUMBER:

**L3.1**

**CONTROLLER**

LOCATE CONTROLLER OUTSIDE THE BUILDING IN APPROXIMATE LOCATION SHOWN. VERIFY WITH ARCHITECT. WALL MOUNT CONTROLLER AT EYE LEVEL. PROVIDE SEPARATE 15 AMP CIRCUIT AND 120 VAC POWER TO CONTROLLER. PROVIDE 4" CONDUIT FROM CONTROLLER, UNDER SIDEWALK, AND INTO THE NEAREST PLANTING AREA AS SHOWN. EXTEND 24" INTO PLANTING BED, 18" BELOW GRADE. CAP AND FLAG.

**WIRELESS RAIN SENSOR**

MOUNT ON ROOF PARAPET IN APPROXIMATE LOCATION SHOWN. VERIFY EXACT LOCATION WITH ARCHITECT AND CONFIRM WIRELESS SIGNAL PRIOR TO INSTALLATION.

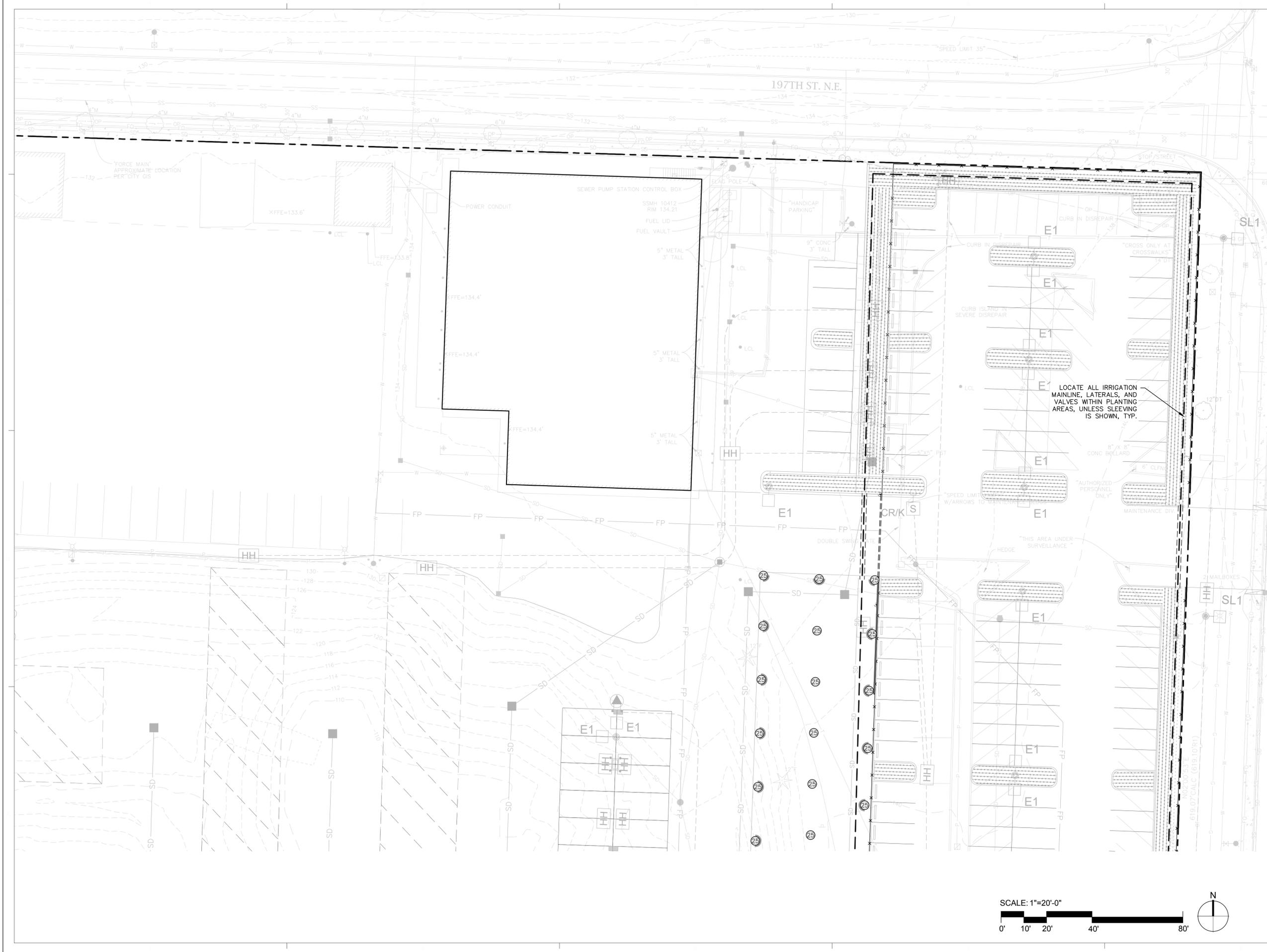
LOCATE ALL IRRIGATION MAINLINE, LATERALS, AND VALVES WITHIN PLANTING AREAS, UNLESS SLEEVING IS SHOWN, TYP.

**POINT OF CONNECTION**

APPROXIMATE LOCATION OF P.O.C. TO 2-1/2" STUB-OUT FROM IRRIGATION SERVICE LINE AS SHOWN ON CIVIL DRAWINGS. VERIFY AND ADJUST LOCATION PRIOR TO INSTALLATION IF REQUIRED TO AVOID CONFLICTS WITH ADJACENT UTILITIES. PROVIDE P.O.C. COMPONENTS AS SHOWN IN POINT OF CONNECTION DETAIL. NOTIFY OWNER IMMEDIATELY OF ANY DISCREPANCIES. ANTICIPATED STATIC PRESSURE IS \_\_\_\_\_ PSI. VERIFY MIN. \_\_\_\_\_ PSI DESIGN PRESSURE AT P.O.C. PRIOR TO WORK.

SCALE: 1"=20'-0"





ARCHITECTURE + DESIGN

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DRAWING TITLE:

**IRRIGATION PLAN ENLARGEMENT**

DRAWING NUMBER:

**L3.2**



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	RAIN BIRD R-VAN18 1804-SAM-P45 TURF ROTARY, 13'-18' 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4" POP-UP. WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	3	45	3/L3.4
	RAIN BIRD R-VAN14 1804-SAM-P45 TURF ROTARY, 8'-14' 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4" POP-UP. WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	14	45	3/L3.4
	RAIN BIRD R-VAN24 1804-SAM-P45 TURF ROTARY, 17'-24' 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4" POP-UP. WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	5	45	3/L3.4
	RAIN BIRD 5004-PL-PC-SAM-R-MPR 25 TURF ROTOR, 4IN. POP-UP. PLASTIC RISER, WITH FLOW SHUT-OFF DEVICE. MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL. 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE, AND IN-STEM PRESSURE REGULATOR.	33	45	25'
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-CV-06-12 XFS-CV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.3 PSI CHECK VALVE. 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY XF INSERT FITTINGS.	12,606 LF	40	3/L3.6

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	RAIN BIRD PEB-IVM 1", 1-1/2", 2" PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	6	/
	RAIN BIRD 5-RC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY.	1	5/L3.4
	NIBCO T-113-K CLASS 125 BRONZE GATE SHUT OFF VALVE WITH CROSS HANDLE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"	1	1/L3.4
	NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE SHUT OFF VALVE	1	1/L3.4
	RAIN BIRD EFB-CP 1-1/2" 1", 1-1/4", 1-1/2", 2" BRASS MASTER VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION. RECLAIMED WATER COMPATIBLE. AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	1	1/L3.4
	MANUAL DRAIN VALVE CHAMPION 300RS-200 ANGLE VALVE (2"). INSTALL ONE AT POC AND ONE AT LOW POINT OF SITE MAINLINE.	1	4/L3.4
	FEBCO 850U 1-1/2" DOUBLE CHECK BACKFLOW PREVENTION WITH UNION END BALL VALVE, 1/2" TO 2".	1	1/L3.4
	RAIN BIRD ESPLXVM TWO-WIRE COMMERCIAL CONTROLLER. 60 STATIONS. UV-RESISTANT, OUTDOOR-RATED, PLASTIC LOCKING WALL-MOUNTABLE CASE. AVAILABLE IN THE US MARKET, INTERNATIONAL, EUROPEAN, OR AUSTRALIAN MARKETS.	1	1/L3.5
	RAIN BIRD IQ4G-USA IQ NCC 4G CELLULAR CARTRIDGE UPGRADES ESP-LX SERIES CONTROLLERS TO IQ SATELLITE, FOR COMMUNICATION WITH IQ CENTRAL CONTROL. INCLUDE IQEXTANT4G EXTERNAL ANTENNA FOR METAL OR STAINLESS STEEL CABINET/PEDESTAL. USED FOR DIRECT OR SERVER SATELLITE APPLICATIONS.	1	
	RAIN BIRD LXIVMSD SURGE DEVICE PROVIDES NECESSARY PROTECTION ON THE ESPLXVM(P) CONTROLLER, 2 WIRE PATH. INSTALL (1) LXIVMSD EVERY 500FT OR 15 FIELD DEVICES (WHICHEVER IS SMALLER).	1	
	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	1	
	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	1	2/L3.5
	RAIN BIRD UFS-150 1-1/2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 0.5 GPM TO . SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1	3/L3.5
	RAIN BIRD 1806 SPRAY HEAD WITH 4-VAN NOZZLE (REDUCE ARC TO ZERO). PROVIDE ONE PER DRIP ZONE, AT END OF LATERAL LINE FROM VALVE, OR WHERE SHOWN ON PLAN.	1	
	POINT OF CONNECTION SEE ENLARGEMENT ON DETAIL SHEET.	1	2/L3.4
	STRAINER WILKINS SXL CAST BRONZE WYE STRAINER WITH 20-MESH STAINLESS STEEL SCREEN. SIZE TO MATCH BACKFLOW DEVICE. INSTALL AT POC AND ELSEWHERE AS SHOWN ON PLAN.	1	1/L3.4
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. UNLABELED SECTIONS SHALL MATCH THE SIZE NOTED OF THE ADJACENT UPSTREAM PIPE. MINIMUM PIPE SIZE AT END OF LATERAL RUNS SHALL BE 3/4".	128.9 LF	6/L3.5
	IRRIGATION MAINLINE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. MINIMUM 2" UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MINIMUM BURIAL DEPTH.	1,578 LF	6/L3.5
	PIPE SLEEVE: PVC SCHEDULE 40 SEE PLAN FOR SIZE. 4" DIAMETER UNLESS OTHERWISE INDICATED ON PLAN. TO BE INSTALLED BY LANDSCAPE CONTRACTOR AT DEPTHS SPECIFIED.	147.0 LF	6/L3.5

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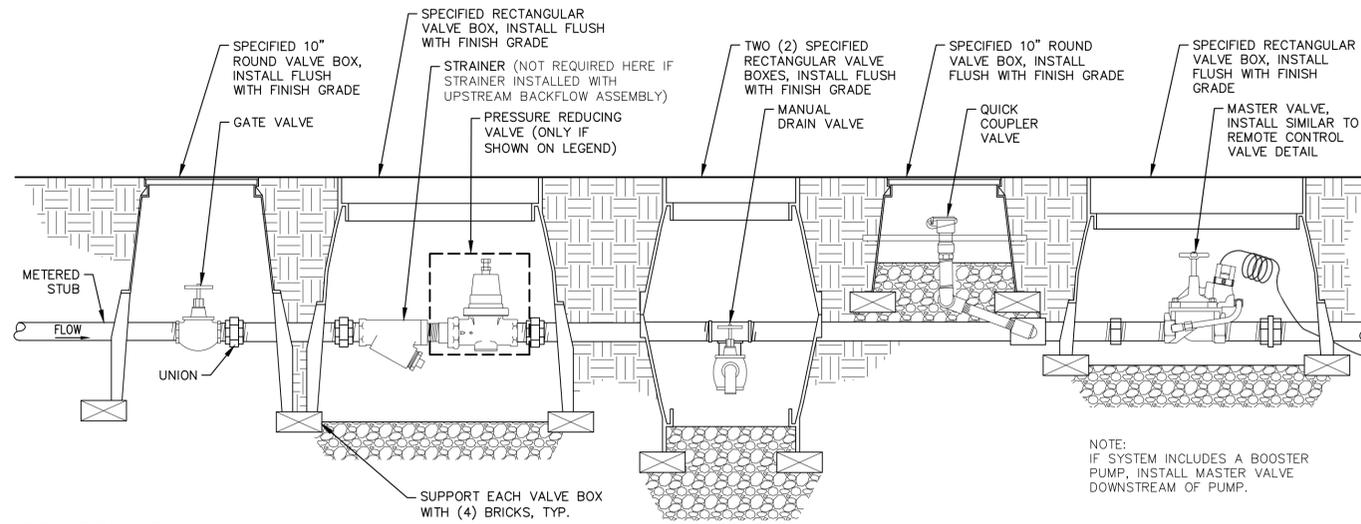
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PROJECT MANAGER: | LL  
PROJECT ARCHITECT: | AM

DRAWING TITLE:

**IRRIGATION LEGEND**

DRAWING NUMBER:

**L3.3**



ELEVATION VIEW

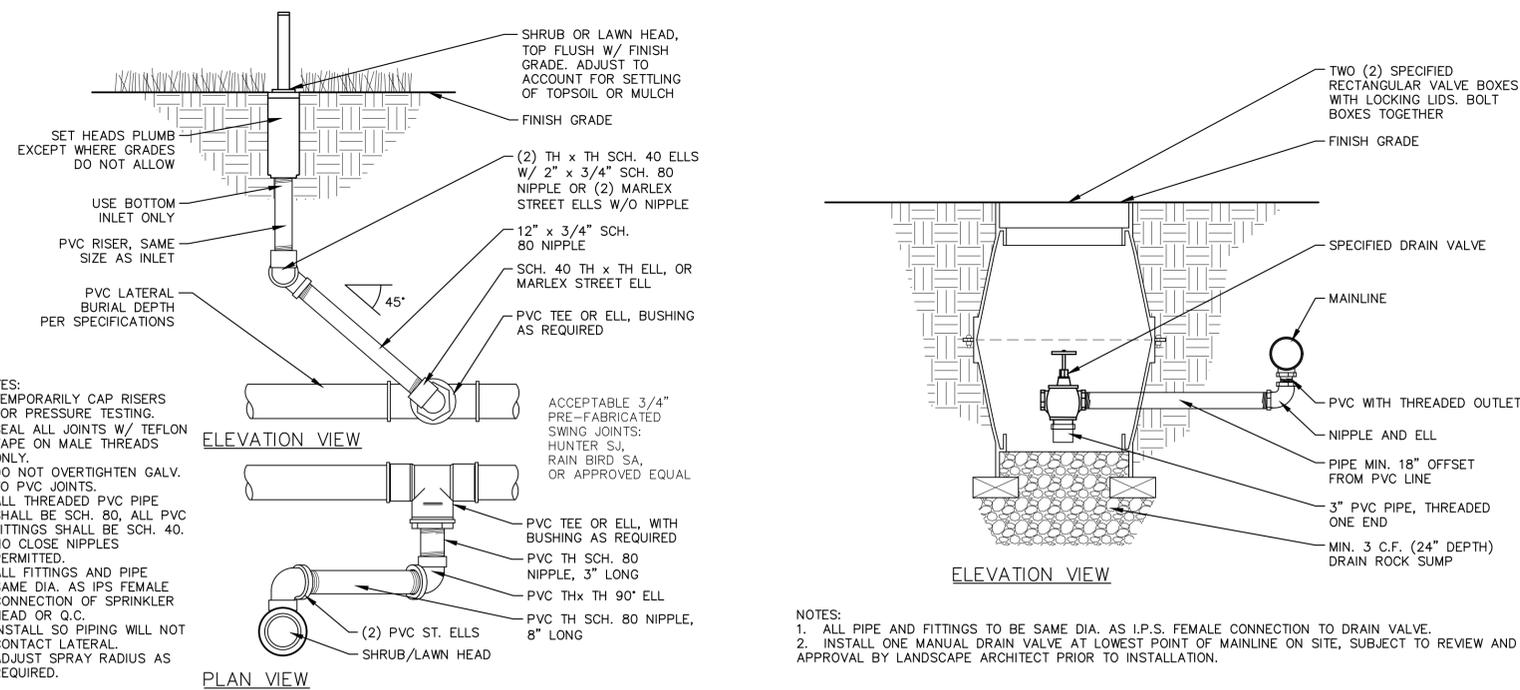
- NOTES:
1. PROVIDE ONE QUICK COUPLER AT P.O.C. AND ELSEWHERE AS SHOWN ON PLAN.
  2. INSURE POSITIVE DRAINAGE FROM P.O.C. COMPONENTS. PROVIDE DAYLIGHT DRAIN AS NECESSARY.
  3. PROVIDE SIZE & QUANTITY OF VALVE BOXES AS NECESSARY TO ACCOMMODATE ALL COMPONENTS.

NOTE:  
IF SYSTEM INCLUDES A BOOSTER PUMP, INSTALL MASTER VALVE DOWNSTREAM OF PUMP.

1 POINT OF CONNECTION (BACKFLOW BY CIVIL)

1 1/2" = 1'-0"

P-AR1-09



- NOTES:
1. TEMPORARILY CAP RISERS FOR PRESSURE TESTING.
  2. SEAL ALL JOINTS W/ TEFLON TAPE ON MALE THREADS ONLY.
  3. DO NOT OVERTIGHTEN GALV. TO PVC JOINTS.
  4. ALL THREADED PVC PIPE SHALL BE SCH. 80, ALL PVC FITTINGS SHALL BE SCH. 40.
  5. NO CLOSE NIPPLES PERMITTED.
  6. ALL FITTINGS AND PIPE SAME DIA. AS IPS FEMALE CONNECTION OF SPRINKLER HEAD OR Q.C.
  7. INSTALL SO PIPING WILL NOT CONTACT LATERAL.
  8. ADJUST SPRAY RADIUS AS REQUIRED.

ACCEPTABLE 3/4\"/>

4 MANUAL DRAIN VALVE

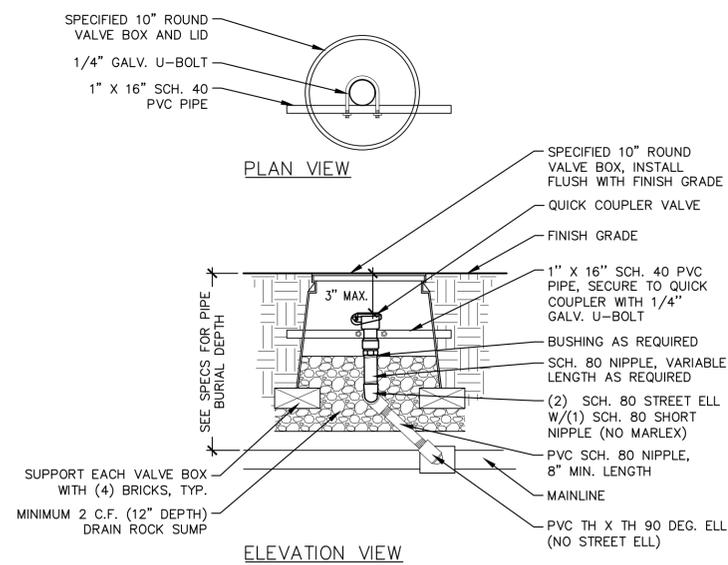
1 1/2" = 1'-0"

P-AR1-17

2 POC PLAN ENLARGEMENT

1/8" = 1'-0"

P-AR1-36



- NOTES:
1. ALL THE FITTINGS AND PIPE TO BE SAME DIA. AS IPS FEMALE CONNECTION OF QUICK COUPLER.
  2. QUICK COUPLER KEY MUST CLEAR VALVE BOX.

5 QUICK COUPLER VALVE

1 1/2" = 1'-0"

P-AR1-26

3 IRRIGATION HEAD

3" = 1'-0"

P-IR-14



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DRAWING TITLE:

IRRIGATION DETAILS

DRAWING NUMBER:

L3.4

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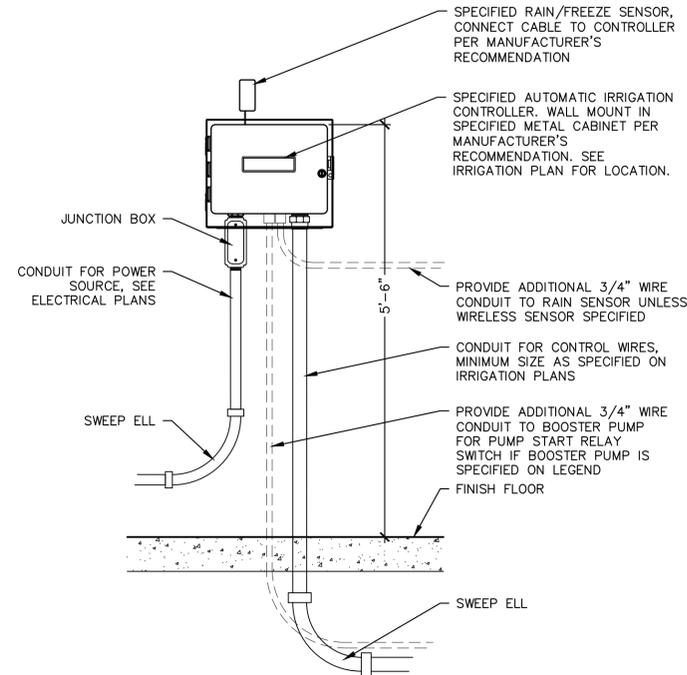
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DRAWING TITLE:

IRRIGATION  
DETAILS

DRAWING NUMBER:

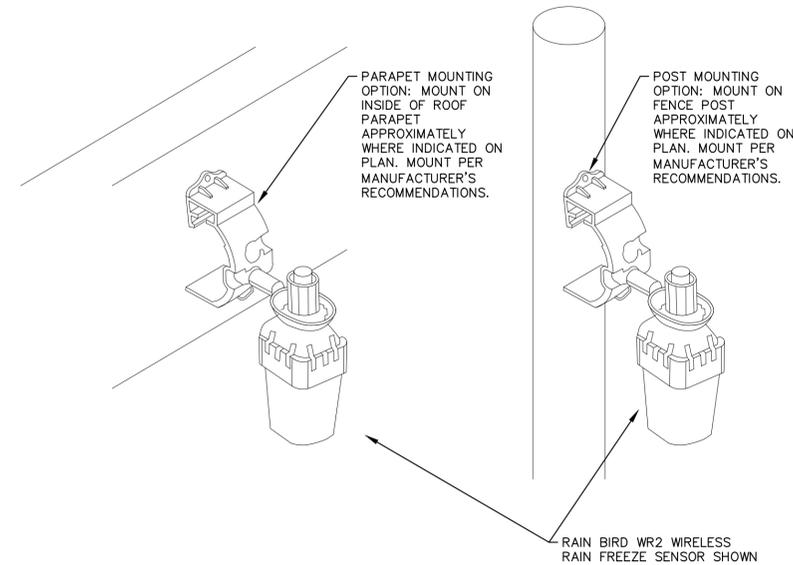
**L3.5**



**1** IRRIGATION CONTROLLER (INTERIOR WALL MOUNT)

3/4" = 1'-0"

P-IR-13



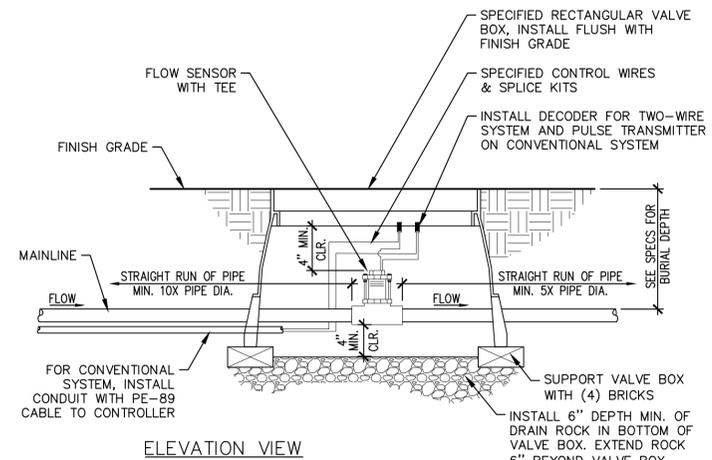
NOTES:

1. CONFIRM LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. DO NOT LOCATE UNDER COVER OF TREE CANOPY OR ROOF OVERHANG, ON SIDE OF BUILDING WALL, OR ANY OTHER LOCATION NOT FULLY EXPOSED TO RAINFALL.

**2** RAIN SENSOR

3" = 1'-0"

P-AR1-37



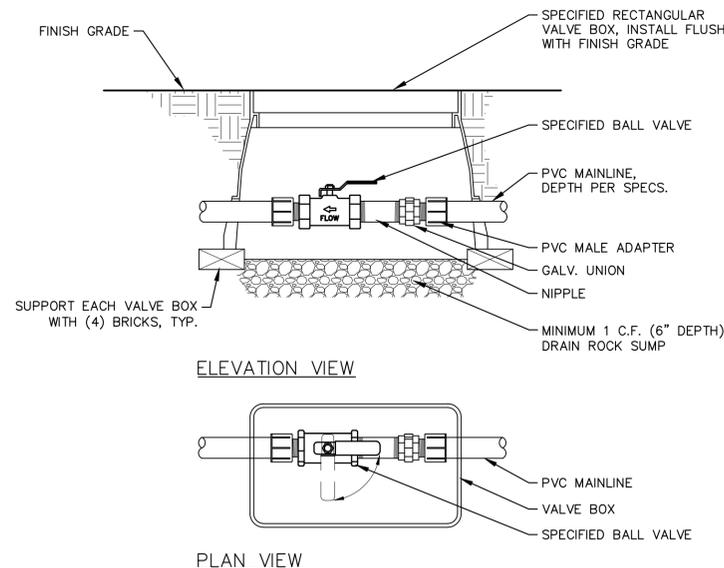
NOTES:

1. INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE VALVE BOX EXTENSION AS REQUIRED.
3. INSTALL FLOW SENSOR PERFECTLY PLUMB.

**3** FLOW SENSOR

1 1/2" = 1'-0"

P-AR1-20

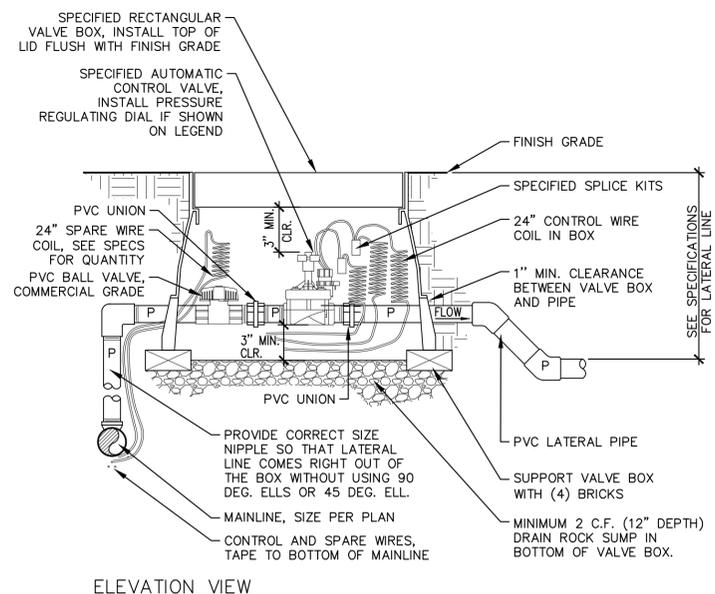


- NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE OFF-CENTER IN BOX.
  2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED FOR PROPER VALVE INSTALLATION AT MAINLINE DEPTH.

**4** ISOLATION / SHUT-OFF VALVE

1 1/2" = 1'-0"

P-AR1-15

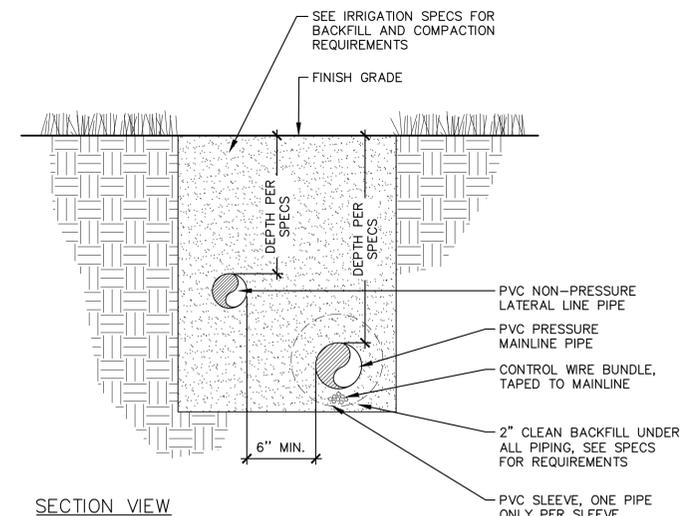


- NOTE:
- PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.

**5** REMOTE CONTROL VALVE - WITH SHUT-OFF

1 1/2" = 1'-0"

P-AR1-29



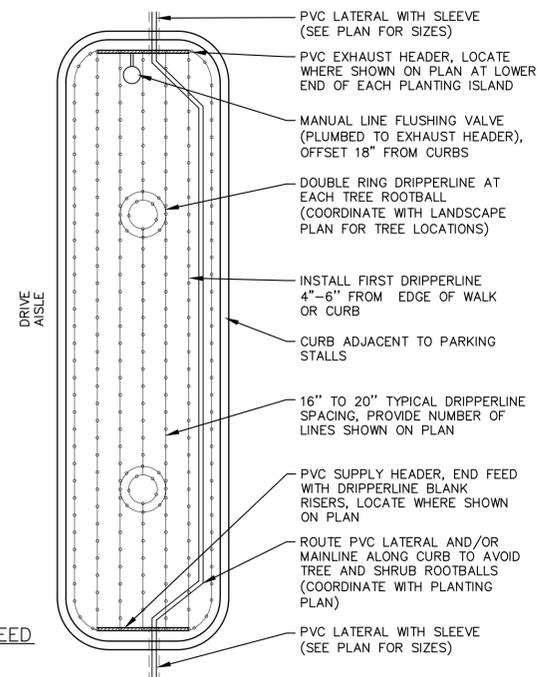
NOTES:

1. NO OTHER TRADES (ELECT. LIGHTING) ALLOWED TO USE SAME TRENCH AS IRRIGATION PIPE.
2. PROVIDE 24" COVER FOR DIRECT BURIAL CABLE.
3. PROVIDE PVC SCH. 40 SLEEVES FOR ALL WIRING AND PIPING UNDER PAVING.
4. NO STACKING (VERTICALLY) OF PIPES IN SAME TRENCH.

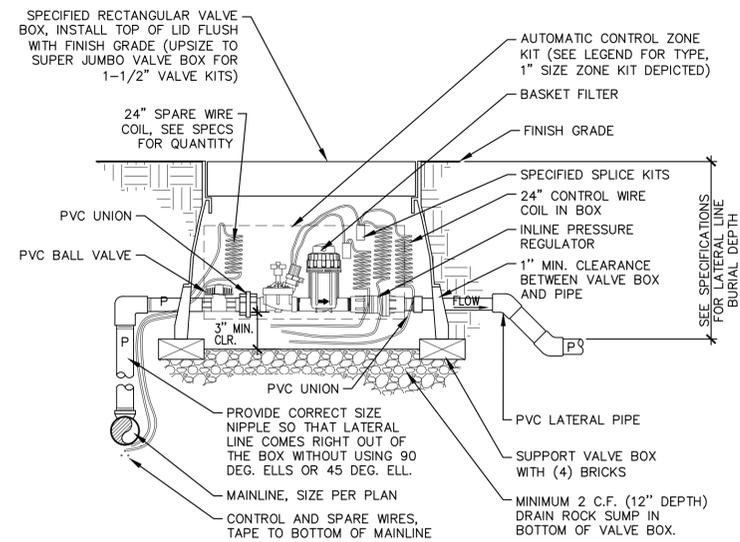
**6** PIPE TRENCHING AND BACKFILL

1 1/2" = 1'-0"

P-AR1-20

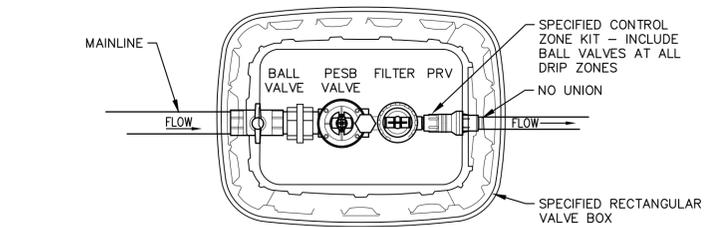


PLAN VIEW -  
TYPICAL ISLAND  
SHOWING END FEED

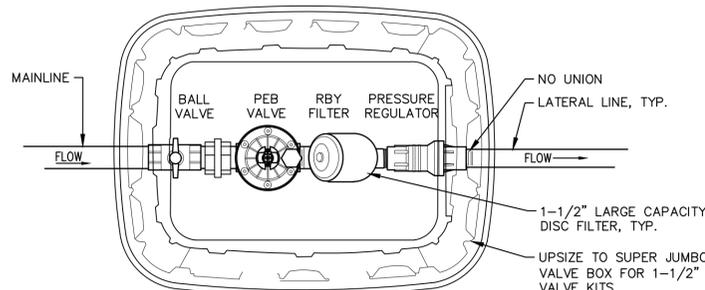


ELEVATION VIEW

NOTE:  
PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.



PLAN VIEW OF CONFIGURATION  
FOR 1" DRIP CONTROL VALVES



PLAN VIEW OF CONFIGURATION  
FOR 1-1/2" DRIP CONTROL VALVES

**3** DRIP LAYOUT AT PARKING ISLANDS - NO STEP-OFFS

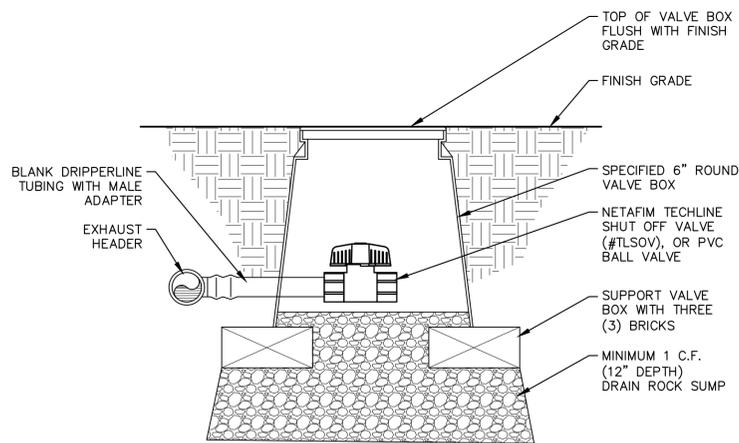
3/16" = 1'-0"

P-AR1-04

**4** REMOTE CONTROL VALVE FOR DRIP ZONES

1 1/2" = 1'-0"

P-AR1-06



NOTE:  
PROVIDE AND INSTALL AT END OF EACH DRIPPERLINE AREA,  
ONE AT EACH EXHAUST HEADER AND EACH ISLAND.

**5** MANUAL FLUSH VALVE (FOR DRIP ZONES)

3" = 1'-0"

P-AR1-18



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IRRIGATION  
DETAILS

DRAWING NUMBER:

**L3.6**

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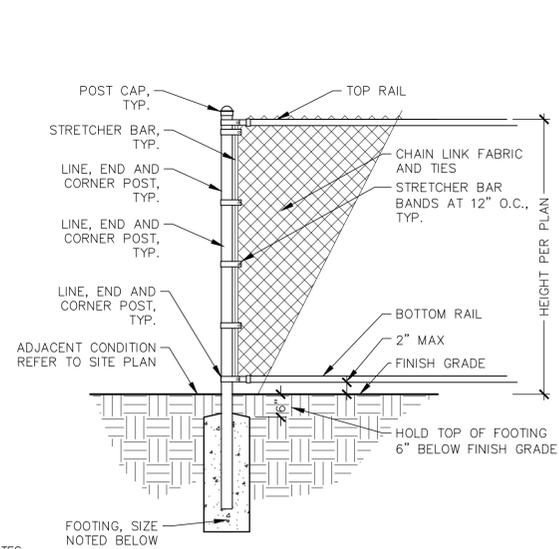
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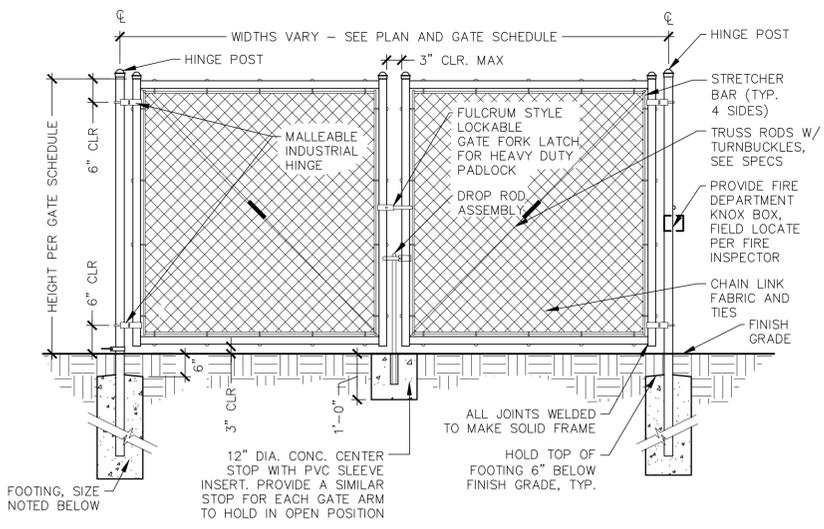
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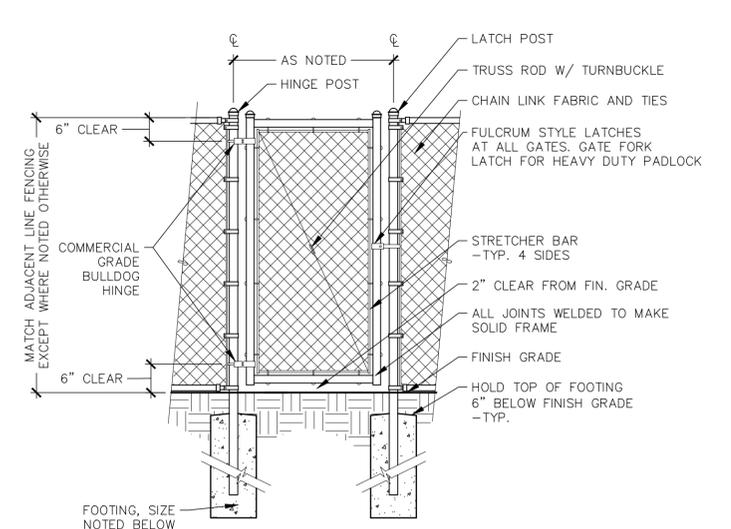
**L4.0**



- NOTES:
- SEE SPECIFICATION SECTION 323113 FOR ADDITIONAL INFORMATION ON POSTS, RAILS, FOOTING AND OTHER COMPONENTS.
  - PROVIDE CONCRETE MOW STRIPS WHERE SHOWN ON DRAWINGS.
  - REFER TO SITE PLAN AND GATE SCHEDULE FOR LOCATIONS OF GALVANIZED OR BLACK VINYL FINISH.
  - ALL MESH OPENING TO BE 2" OR OTHERWISE NOTED ON PLAN.
  - PROVIDE CONTROL OR EXPANSION JOINT AT EACH POST LOCATED IN CONCRETE.
  - POST SPACING 10'-0" O.C. MAX.
  - END/CORNER POST FOOTINGS: 12" HOLE DIAMETER, 42" DEEP, 36" POST EMBEDMENT.
  - LINE POST FOOTINGS: 12" HOLE DIAMETER, 36" DEEP, 30" POST EMBEDMENT.



- NOTES:
- SEE SPECIFICATION SECTION 323113 FOR ADDITIONAL INFORMATION ON POSTS, FOOTING AND OTHER COMPONENTS.
  - ALL GATES TO BE INSTALLED PLUMB AND SECURE FOR FULL OPENING WITHOUT INTERFERENCES.
  - ATTACH HARDWARE BY MEANS WHICH WILL PREVENT UNAUTHORIZED REMOVAL.
  - TACK WELD ALL GATE HARDWARE AFTER ADJUSTMENT.
  - ADJUST HARDWARE FOR SMOOTH OPERATION.
  - PROVIDE CANE BOLT AND RECEPTACLE IN PAVEMENT TO SECURE EACH SIDE IN FULLY OPEN POSITION.
  - REFER TO SITE PLAN AND GATE SCHEDULE FOR LOCATIONS OF GALVANIZED OR BLACK VINYL FINISH.
  - ALL MESH OPENING TO BE 2" OR OTHERWISE NOTED ON PLAN.
  - PROVIDE FIRE DEPARTMENT KNOX BOX AS INDICATED ON GATE SCHEDULE. FIELD LOCATE PER FIRE INSPECTOR.
  - GATE POST FOOTINGS: 12" HOLE DIAMETER, 42" DEEP, 42" POST EMBEDMENT.

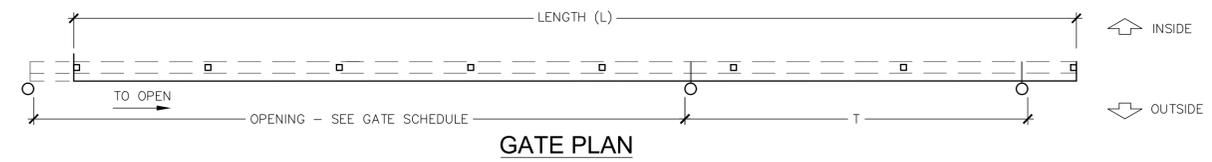


- NOTES:
- SEE SPECIFICATION SECTION 323113 FOR ADDITIONAL INFORMATION ON POSTS, FOOTING AND OTHER COMPONENTS.
  - ALL GATES TO BE INSTALLED PLUMB, AND SECURE FOR FULL OPENING WITHOUT INTERFERENCES.
  - ATTACH HARDWARE BY MEANS WHICH WILL PREVENT UNAUTHORIZED REMOVAL.
  - ADJUST HARDWARE FOR SMOOTH OPERATION.
  - REFER TO SITE PLAN AND GATE SCHEDULE FOR LOCATIONS OF GALVANIZED OR BLACK VINYL FINISH.
  - ALL MESH OPENING TO BE 2" OR OTHERWISE NOTED ON PLAN.
  - GATE POST FOOTINGS: 12" HOLE DIAMETER, 42" DEEP, 42" POST EMBEDMENT.

**1 4 TO 6 CHAIN LINK FENCE**  
1/2" = 1'-0" P-AR1-01

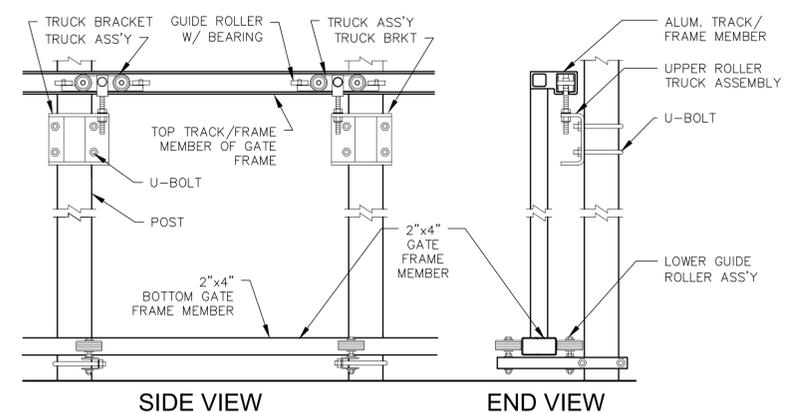
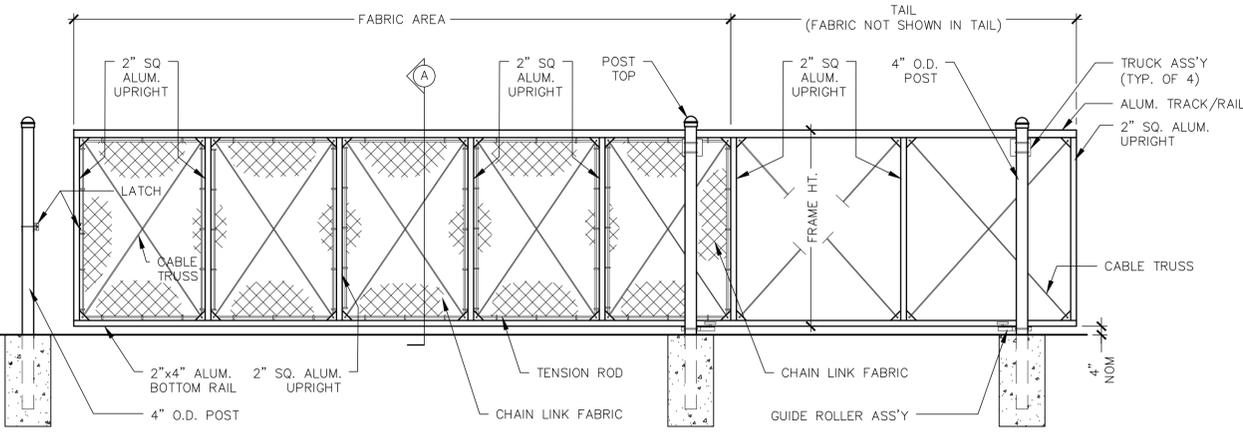
**2 DOUBLE SWING CHAIN LINK GATE**  
1/2" = 1'-0" P-AR1-11

**3 SINGLE CHAIN LINK GATE**  
1/2" = 1'-0" P-AR1-08



GATE	OPENING	LENGTH(L)	TAIL POST(T)
A	36'-0"	51'-0"	15'-0"

- NOTES:
- FOOTING WIDTH TO BE (4)X POST WIDTH. MIN DEPTH TO BE 36".
  - GATES TO BE MANUALLY OPERATED.
  - 6 FOOT NOMINAL GATE HEIGHT.
  - GATE OPENINGS AS SHOWN ON GATE SCHEDULE.
  - ALL SLIDING GATE TO BE TWIN TRACK MASTER HALCO SINGLE TRACK CANTILEVERED SLIDING GATE OR APPROVED EQUAL.
  - GATES WITH 30' OR LESSER OPENING TO BE MASTER HALCO SINGLE TRACK CANTILEVERED SLIDING GATE OR APPROVED EQUAL.
  - ALL FENCE COMPONENTS TO BE GALVANIZED STEEL OR ALUMINUM AS SPECIFIED.



**4 CHAINLINK SLIDING GATE**  
3/8" = 1'-0" P-AR1-21

P-AR1-21