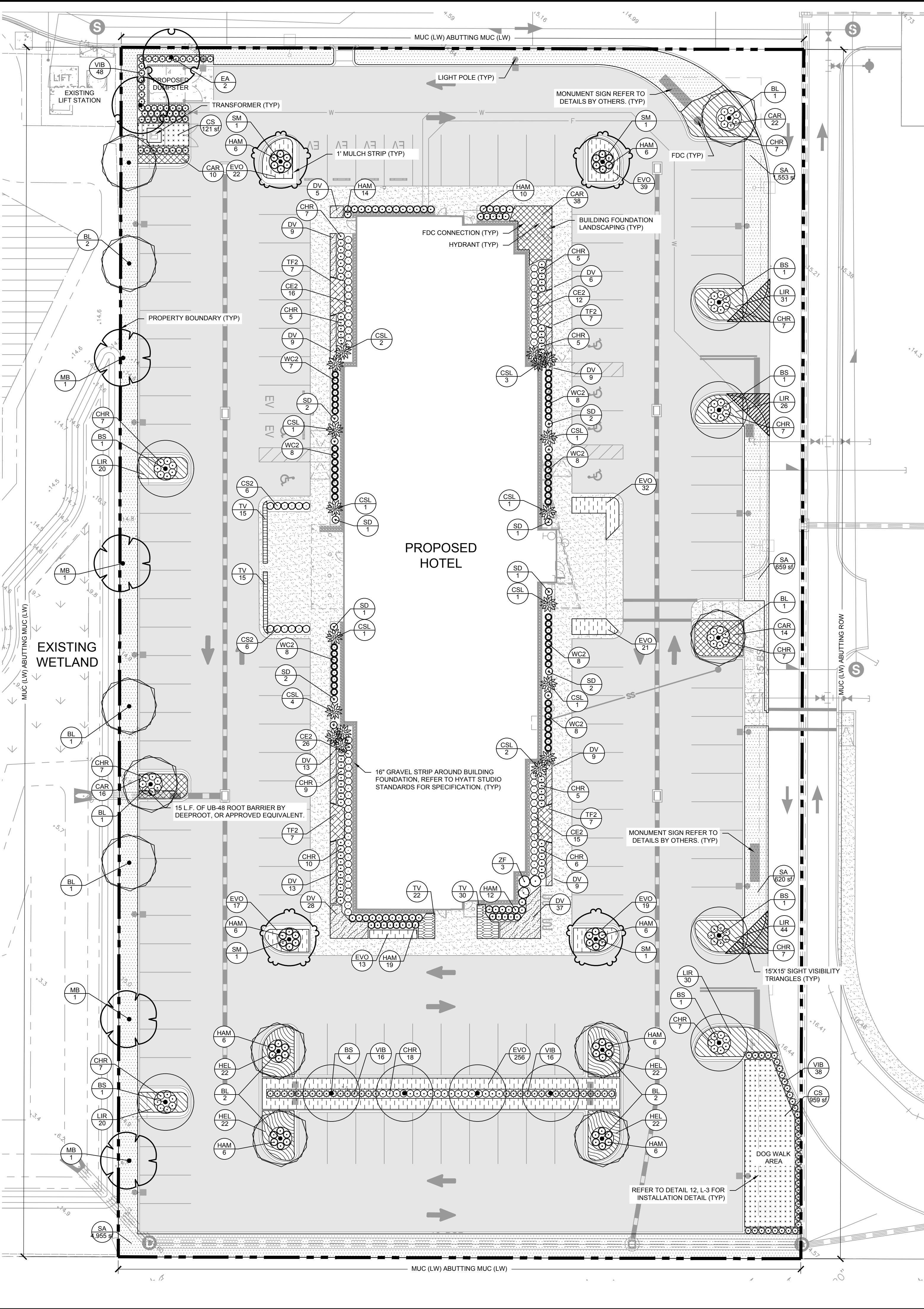


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PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	SPREAD
TREES								
	BL	11	BUCIDA BUCERAS 'SHADY LADY'	SHADY LADY BLACK OLIVE	FG	4" CAL MIN	12' HT MIN	4' SPRD. MIN.
	BS	10	BURSERA SIMARUBA	GUMBO LIMBO	FG	4" CAL MIN	12' HT MIN	4' SPRD. MIN.
	EA	2	ELAEOCARPUS APICULATUS	JAPANESE BLUEBERRY TREE	FG	2.5" CAL MIN	8' HT MIN	4' SPRD. MIN.
	MB	4	MAGNOLIA GRANDIFLORA 'BRACKEN'S BROWN BEAUTY'	BRACKEN'S BEAUTY SOUTHERN MAGNOLIA	FG	4" CAL MIN	12' HT MIN	4' SPRD. MIN.
	SM	4	SWIETENIA MAHAGONI	WEST INDIAN MAHOGANY	FG	2.5" CAL MIN	10' HT MIN	48"
SHRUBS								
	CE2	69	CONOCARPUS ERECTUS SERICEUS	SILVER BUTTWOOD	7 GAL	24" FULL	30" O.C.	
	CHR	133	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCO PLUM	7 GAL	24" HT MIN	30" OC	
	CS2	12	CLUSIA GUTTIFERA	PITCH APPLE	7 GAL	24" FULL	30" O.C.	
	CSL	18	CRINUM X 'SANGRIA'	SANGRIA CRINUM LILY	15 GAL	48" HT MIN	SEE PLAN	
	HAM	103	HAMELIA PATENS	FIREBUSH	7 GAL	24" HT MIN	30" O.C.	
	SD	12	STRELITZIA REGINAE 'DWARF'	DWARF BIRD OF PARADISE	15 GAL	24" FULL	30" O.C.	
	VIB	118	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	7 GAL	24" HT MIN	30" O.C.	
	WC2	55	ACALYPHA WILKESIANA	WILKE'S COPPERLEAF	7 GAL	24" HT MIN	30" O.C.	
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	25 GAL	36" FULL	60" O.C.	
SHRUB AREAS								
	DV	147	DIANELLA TASMANICA 'VARIEGATA'	VARIEGATED FLAX LILY	1 GAL	12" FULL		
	TF2	28	TRIPSACUM DACTYLOIDES 'NANA'	DWARF FAKAHATCHEE GRASS	1 GAL	12" FULL		
HARDSCAPE								
	CS	1,080 SF	4" THICK CRUSHED LIMESTONE SCREENINGS		SHELL			
GROUND COVERS								
	CAR	91	CARISSA MACROCARPA 'EMERALD BLANKET'	EMERALD BLANKET NATAL PLUM	3 GAL	10" SPREAD	30" O.C.	
	EVO	419	EVOLVULUS GLOMERATUS 'BLUE DAZE'	BLUE DAZE	3 GAL	12" SPREAD	24" O.C.	
	HEL	88	HELIANTHUS DEBILIS	BEACH SUNFLOWER	3 GAL	12" SPREAD	30" O.C.	
	LIR	256	LIRIOPE MUSCARI	LILYTURF	1 GAL	10" SPREAD	18" O.C.	
	SA	7,634 SF	STENOTAPHRUM SECUNDATUM 'FLORATAM'	FLORATAM ST. AUGUSTINE GRASS	SOD			
	TV	82	TRACHELOSPERMUM ASIATICUM 'VARIEGATA'	VARIEGATED DWARF JASMINE	1 GAL	POT	6 IN MIN	

LANDSCAPE CALCULATIONS

PER CITY OF VENICE LAND DEVELOPMENT CODE

	REQUIRED	PROVIDED
PLANT MATERIAL	TREES LARGE-MEDIUM TREE: 2.5" CALIPER MIN., 10' HT. MIN., 4" SPREAD MIN. SMALL TREE: 1.5" CALIPER MIN., 8' HT. MIN., 4" SPREAD MIN. SHRUBS 2' HT. MIN. SCREENING HEDGES SHALL BE SPACED NO MORE THAN 30" O.C. SECTION 89-3.4.5.B	REFER TO PLANT SCHEDULE FOR SPECIFICATIONS, SEE ABOVE
PARKING LOT LANDSCAPING	10% PARKING LOT REQUIRED INTERIOR LANDSCAPING 56,918 SF OF VUA / 10 = 5,692 SF LANDSCAPING 1 TREE PER 20 PARKING SPACES (IN ADDITION TO TERMINAL AND INTERIOR ISLAND TREES) 130 PARKING SPACES / 20 = 7 TREES	5,770 SF SHRUB AND GROUND COVER LANDSCAPING 7 TREES
SECTION 87-3.7.5	1 CANOPY TREE PER 35 LF OF DIVIDER MEDIAN 127 LF OF DIVIDER MEDIAN / 35 = 4 TREES	4 TREES
MISCELLANEOUS LANDSCAPING	DUMPSTER AND SERVICE AREA ENCLOSURE BUFFERS: 1 UNDERSTORY TREE PER 35 LF, 1 SHRUB PER 3 LF 60 LF / 35 LF = 1.72 (1) = 2 UNDERSTORY TREES 60 LF / 3 LF = 20 SHRUBS	2 UNDERSTORY TREES 20 SHRUBS
SECTION 87-3.7.6	40 TREE INCHES PER ACRE OF PROJECT AREA (EXCLUDING WETLAND AREAS)	
SECTION 89-3.4.4	PROJECT AREA: 2.34 ACRES X 40" / ACRE = 94 TOTAL INCHES 75% OF REPLACEMENT TREES SHALL BE LARGE/MEDIUM SIZED CANOPY TREES NO SPECIES SHALL CONSTITUTE MORE THAN 50% PLANTINGS PALMS SHALL NOT CONSTITUTE MORE THAN 25% OF REQUIRED INCHES - 3 PALMS = 1 TREE (2.5")	25 PROPOSED TREES @ 4" CALIPER = 100" + 8 PROPOSED TREES @ 1.5" CALIPER = 9" 109" TOTAL PROPOSED INCHES 29/31 LARGE/MEDIUM SIZED CANOPY TREES PROVIDED: (94%) MAX. ONE SPECIES - SHADY LADY BLACK OLIVE: 11 (36%) 0 PALMS = (0%)
SECTION 89-3.4.5	PINES SHALL NOT CONSTITUTE MORE THAN 25% OF REQUIRED INCHES	0 PINES = (0%)

- NOTES:
- SEE SHEETS L-2 AND L-3 FOR LANDSCAPE SPECIFICATIONS AND DETAILS.
 - SOD ALL AREAS OF DISTURBANCE WITH ST. AUGUSTINE GRASS (*STENOTAPHRUM SECUNDATUM* 'FLORATAM'), AND HAND-WATER TURF THROUGH ESTABLISHMENT IN ACCORDANCE WITH LANDSCAPE SPECIFICATIONS.
 - ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET MOST STRINGENT SPECIFICATION.
 - LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
 - ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
 - THE CITY WILL BE CONSULTED IN ADVANCE IF DEVIATIONS TO TREE SPECIES OR LOCATIONS ARE MADE.
 - ALL PARKING LOT PLANTING AREAS RECEIVING TREES SHALL HAVE UNCOMPACTED COARSE LOAM THAT IS A MINIMUM OF 36 INCHES DEEP PER SEC. 87-3.7.5.3.D.

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PREPARED FOR
CITY OF VENICE

FLORIDA

SHEET NUMBER
L-1

KHA PROJECT
24826000

DATE
MARCH 2025

SCALE AS SHOWN

DESIGNED BY KHA

DRAWN BY JKC

CHECKED BY CDC

DATE: 3/7/2025

Kimley»Horn

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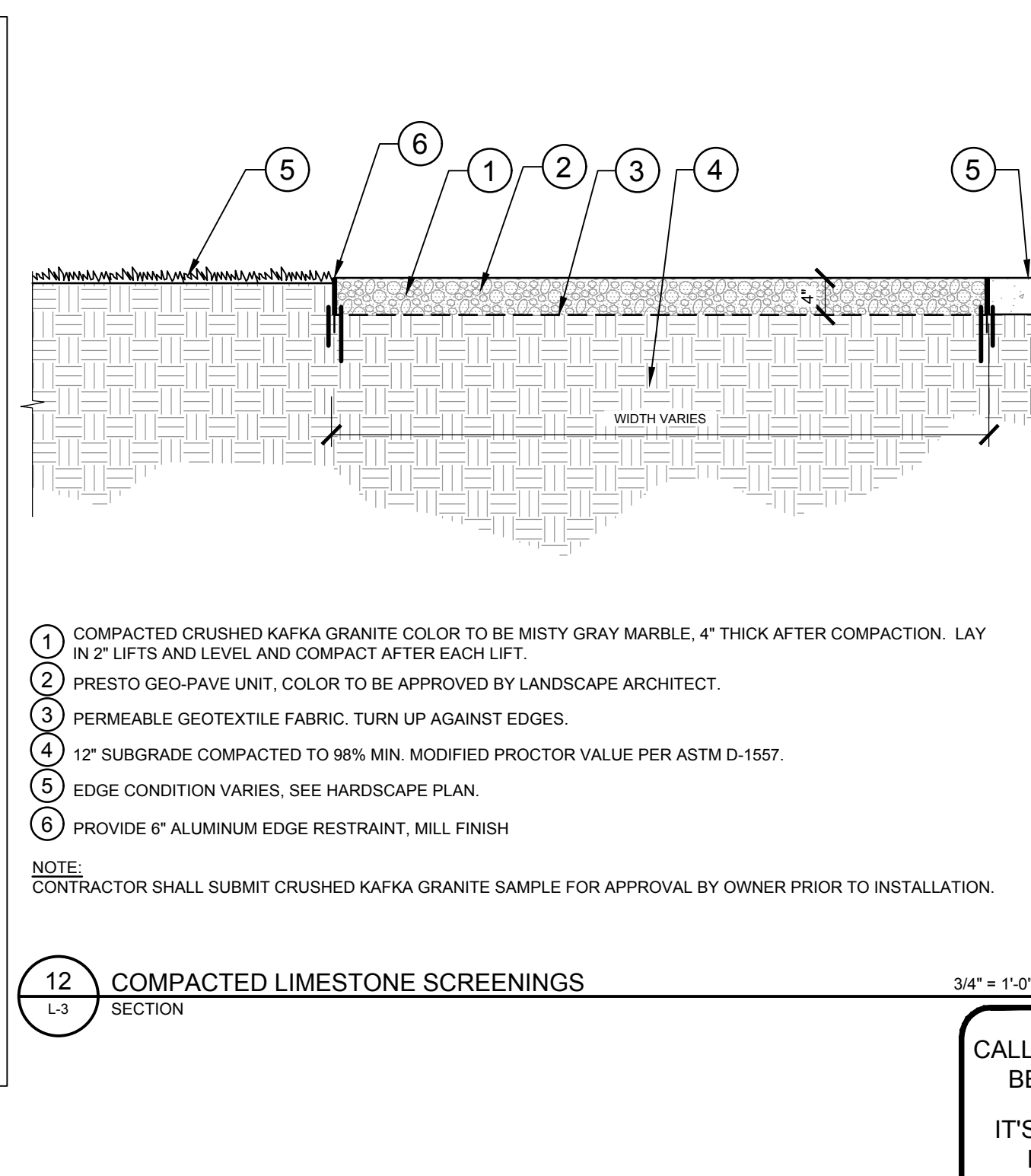
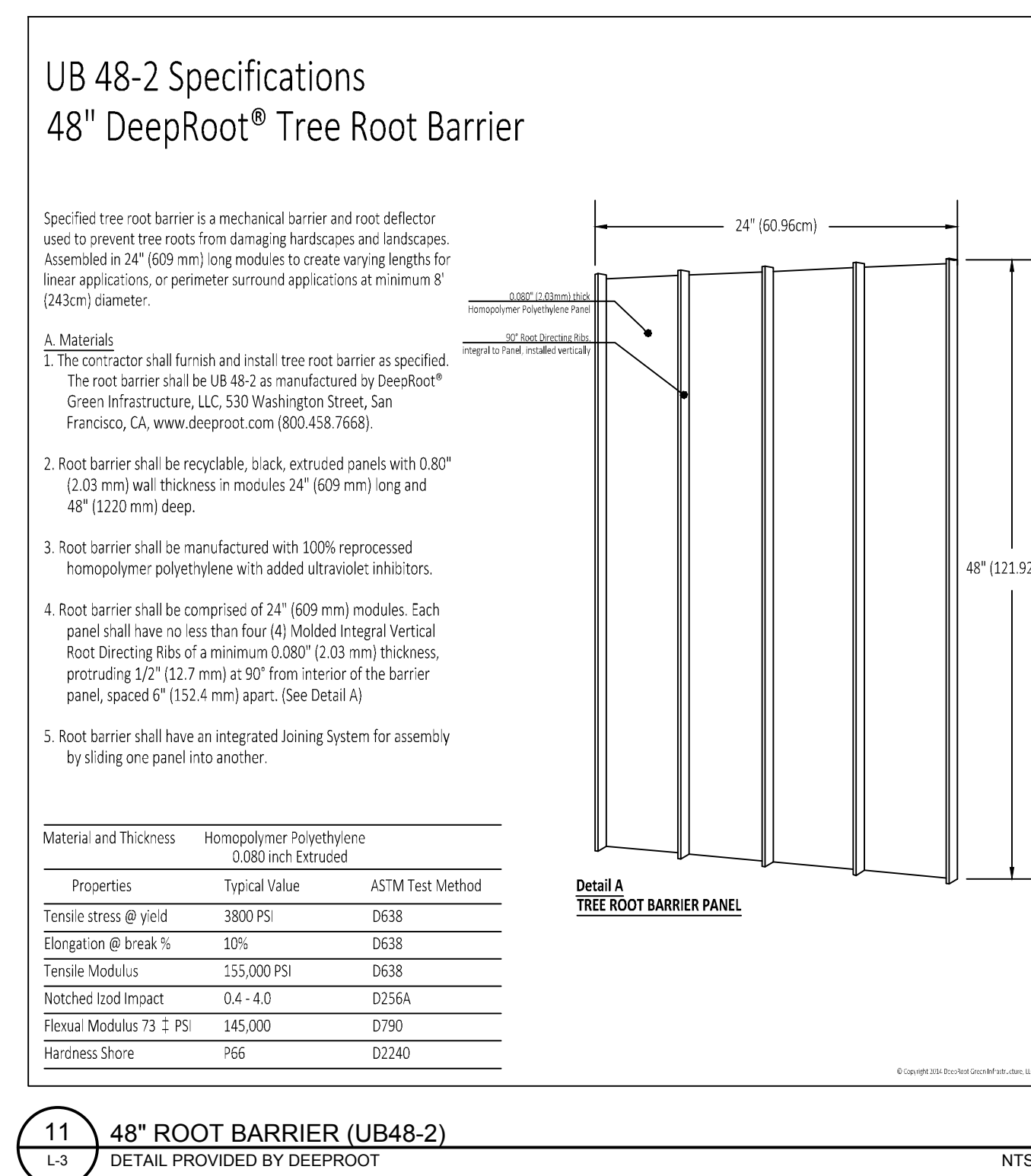
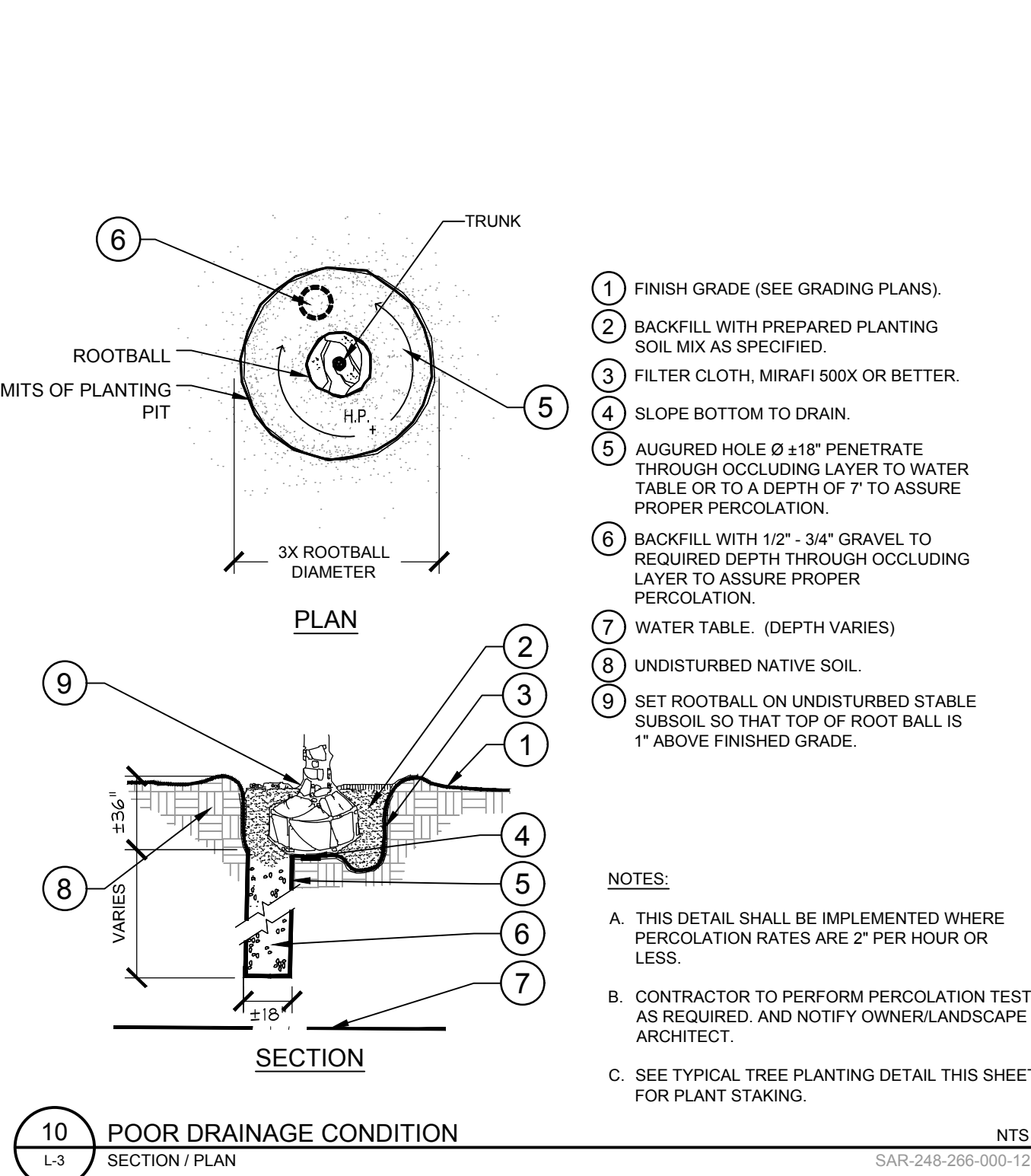
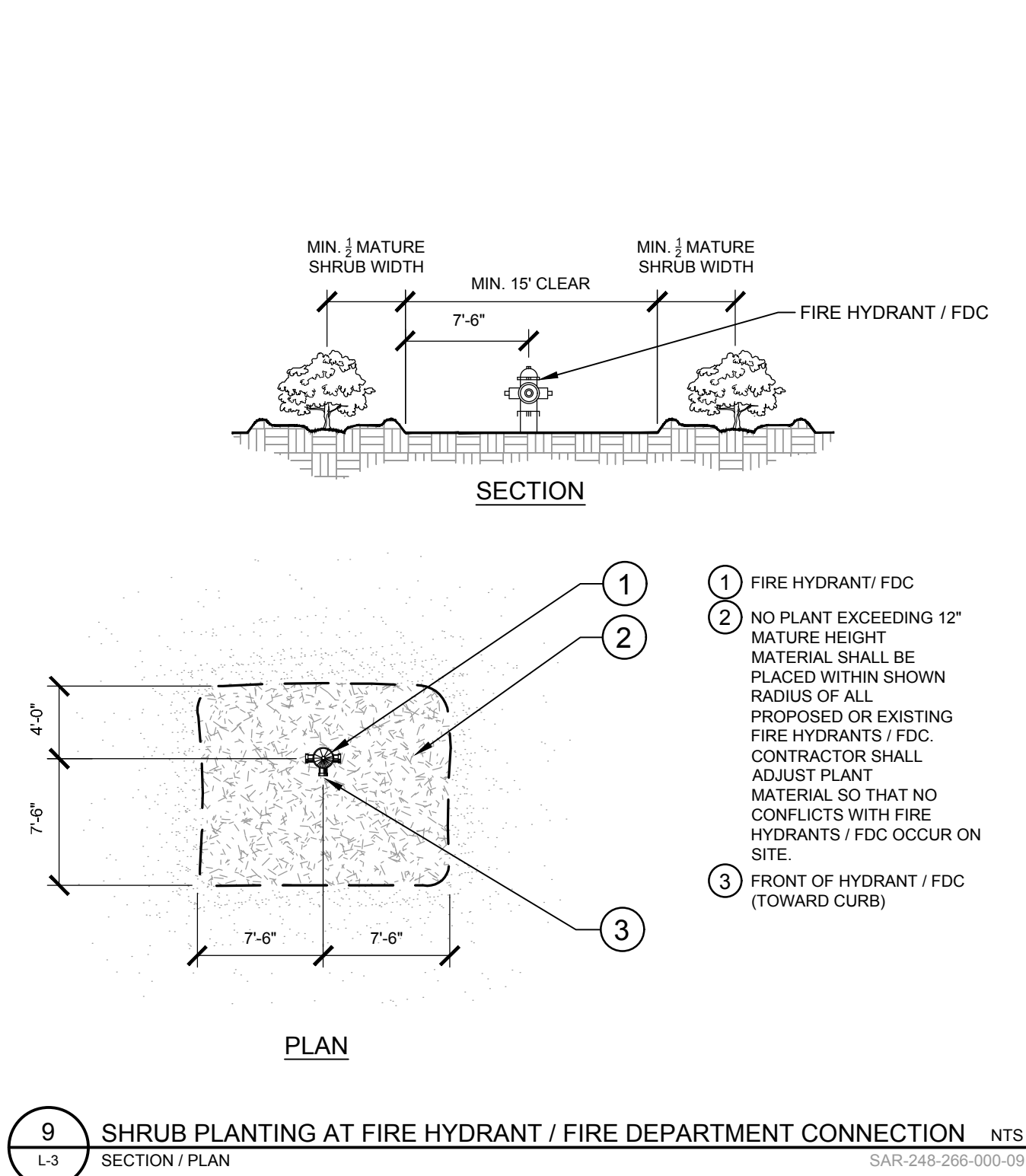
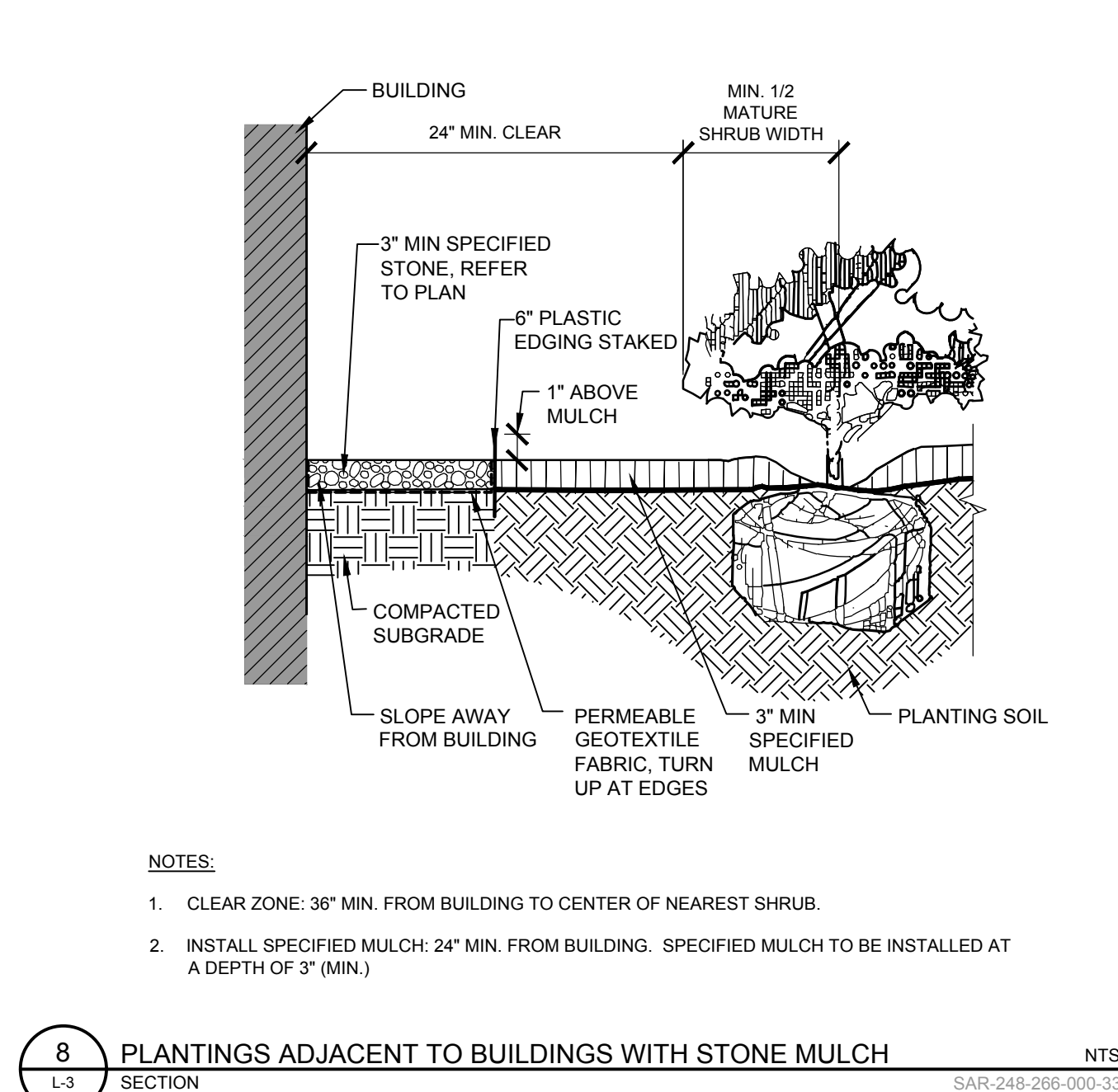
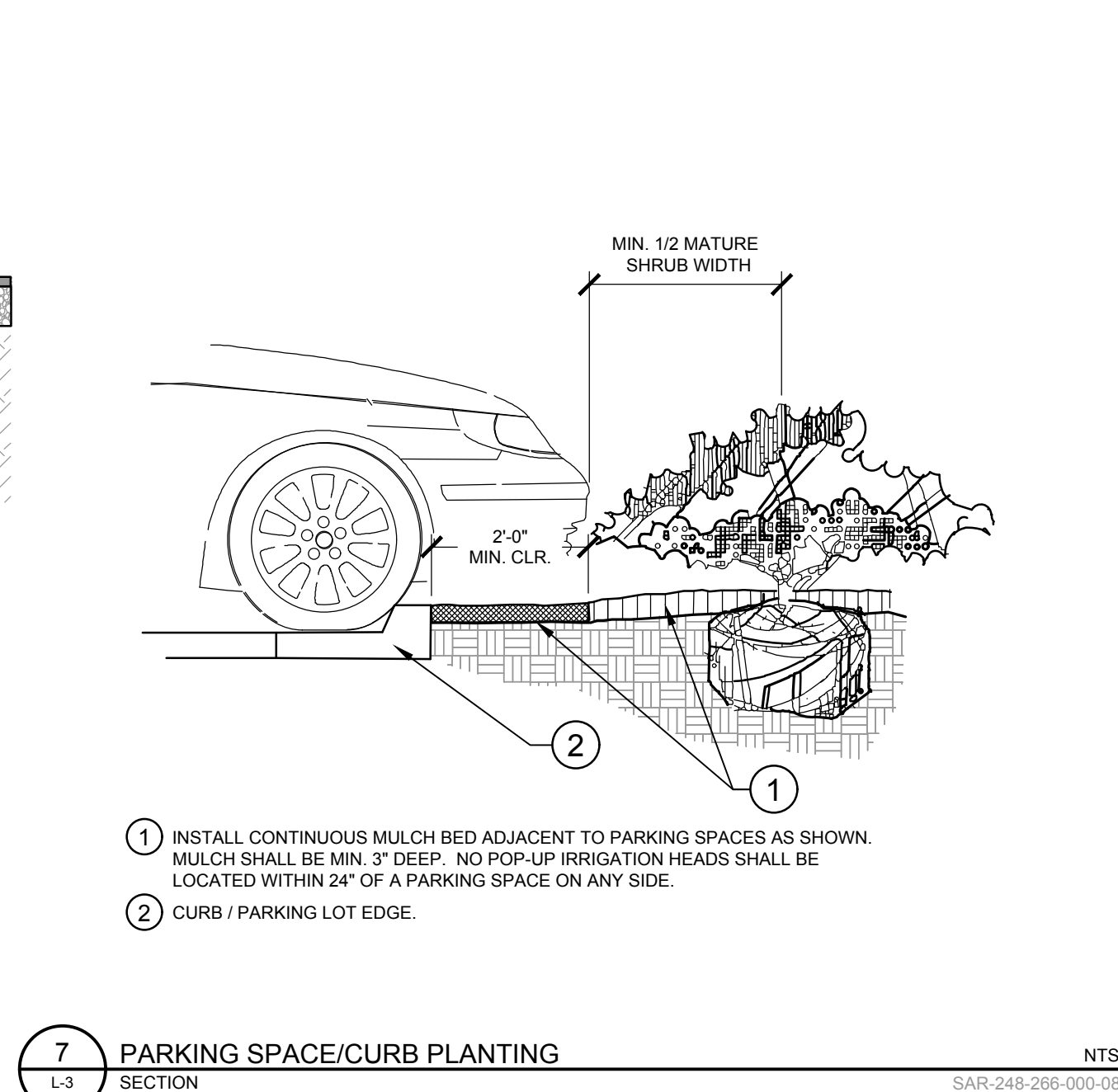
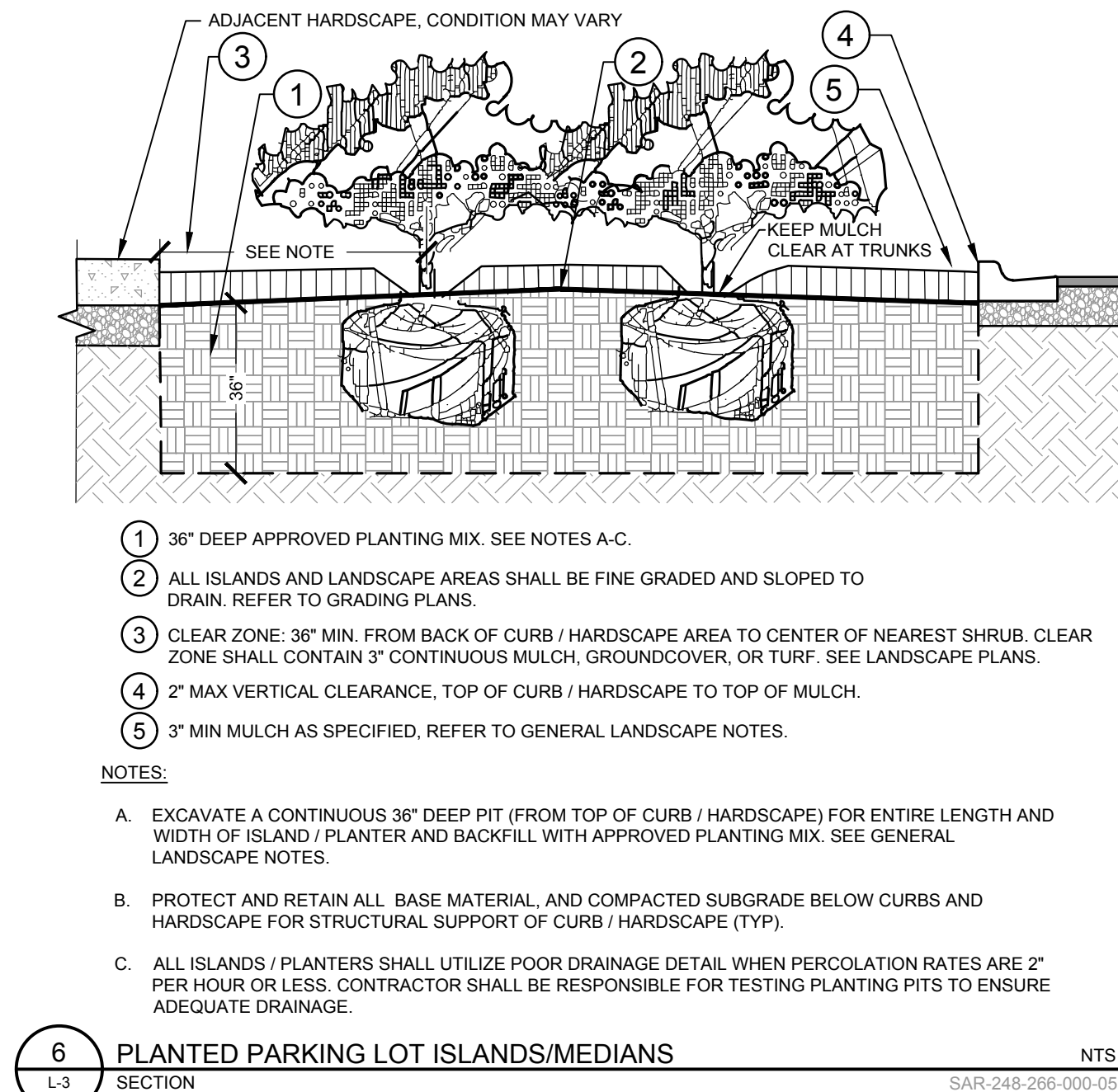
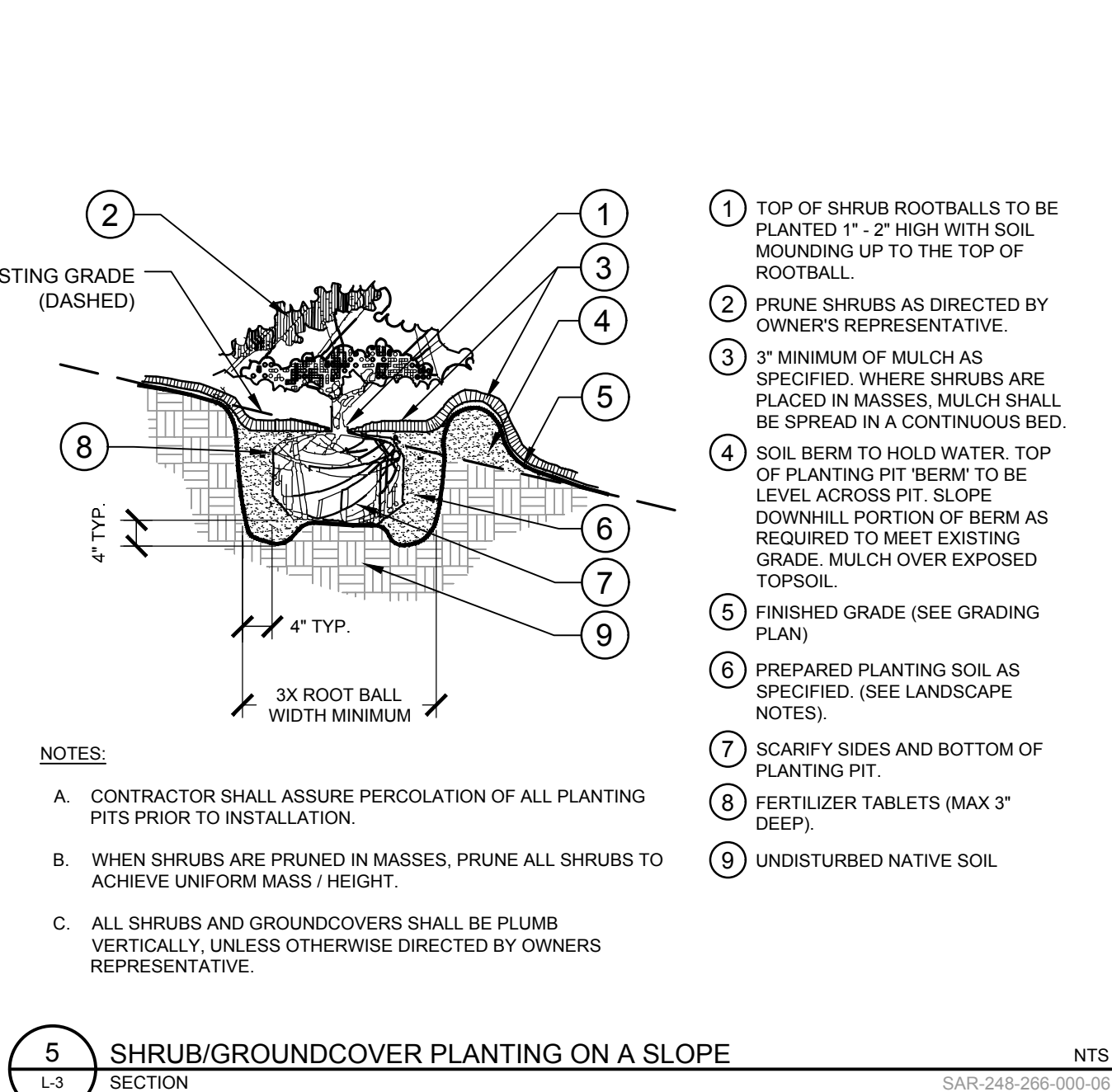
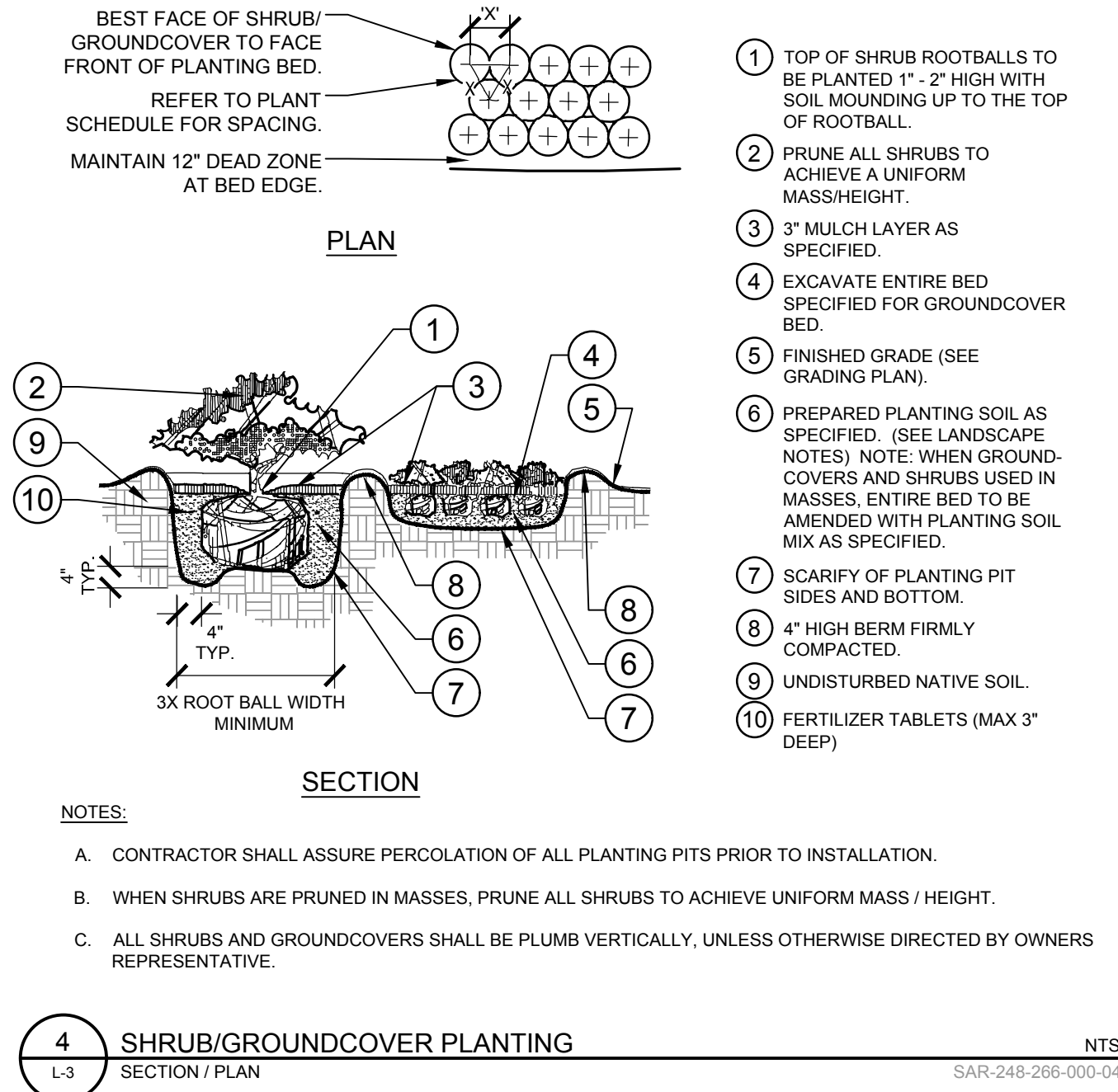
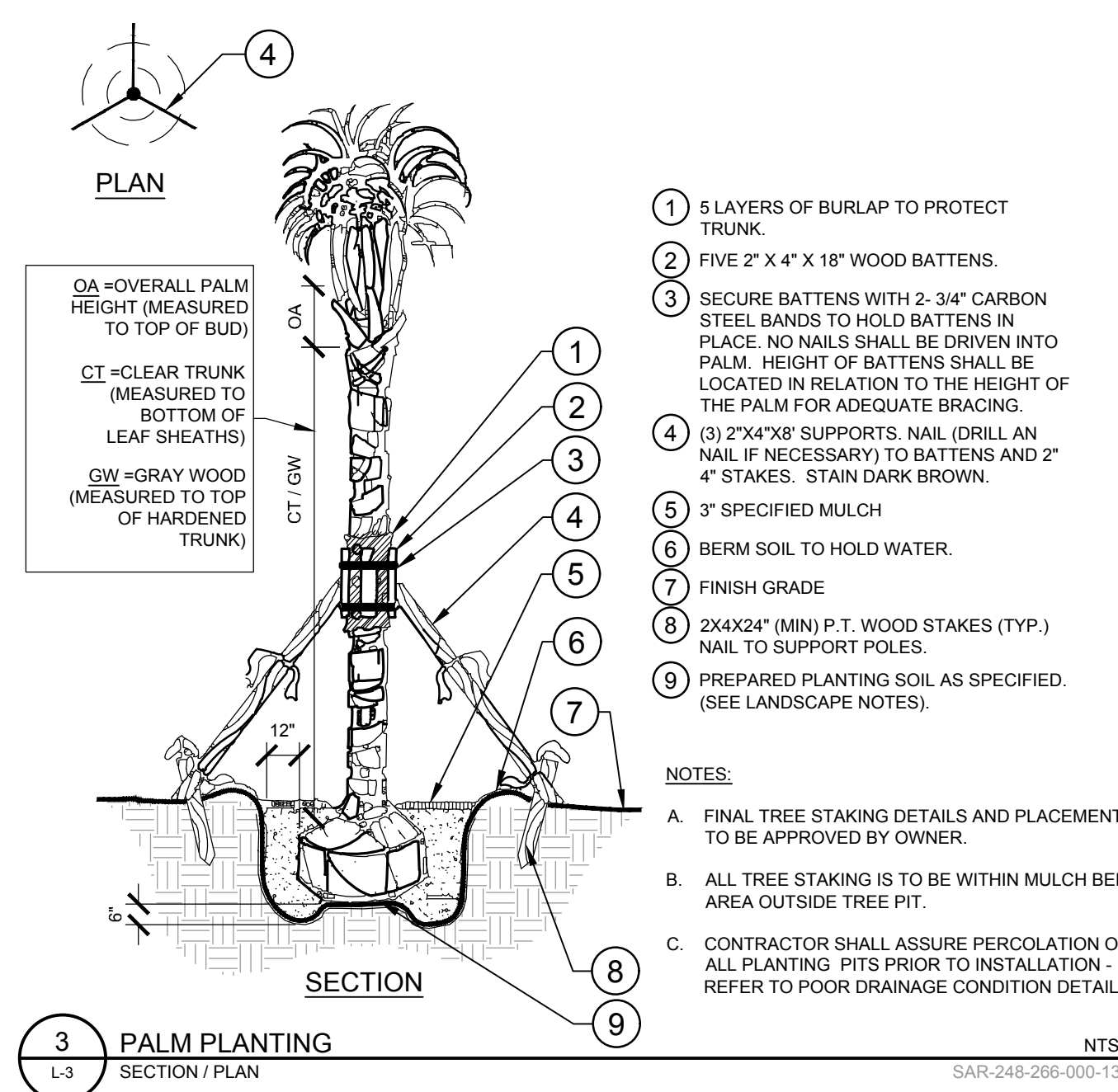
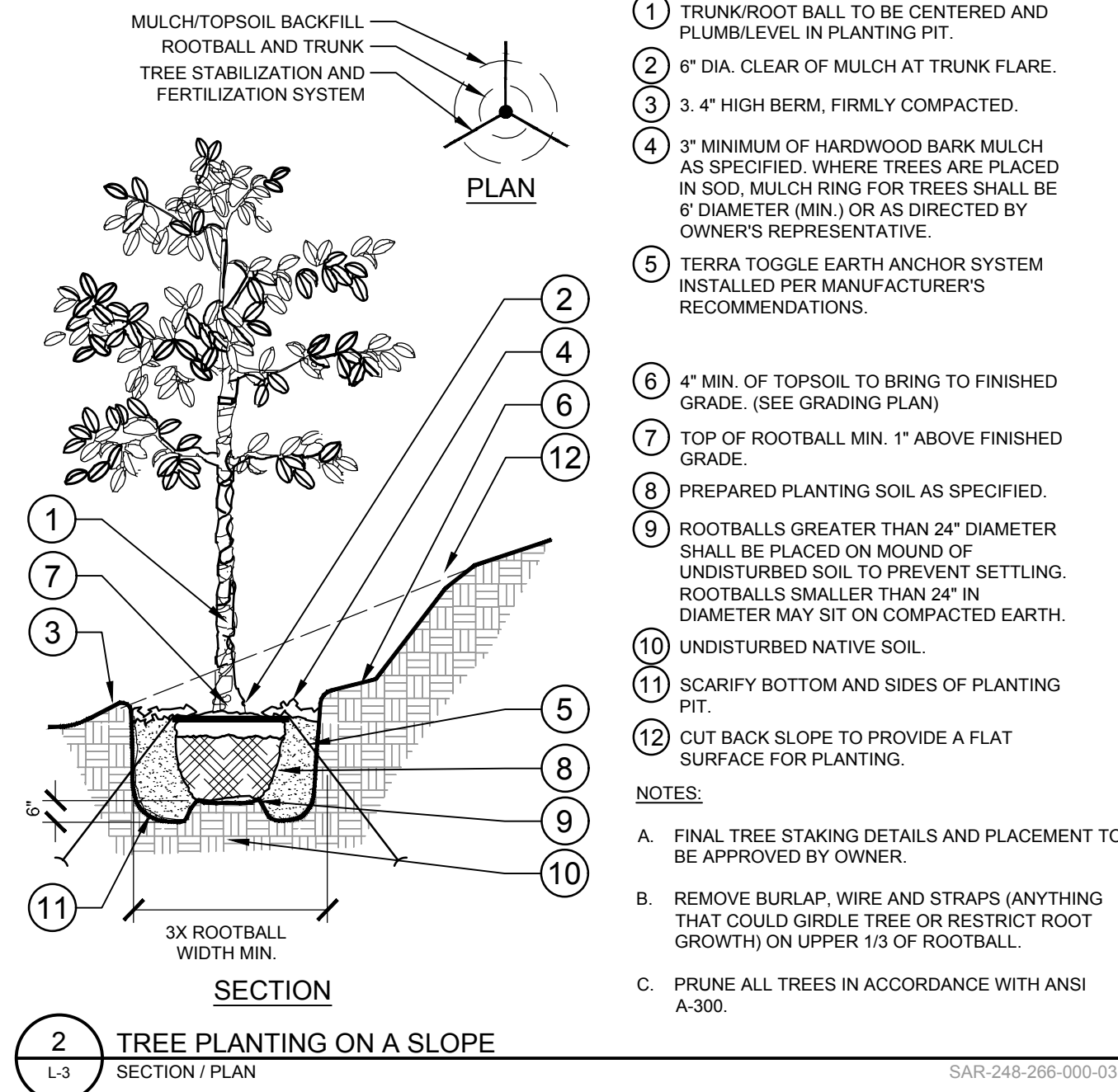
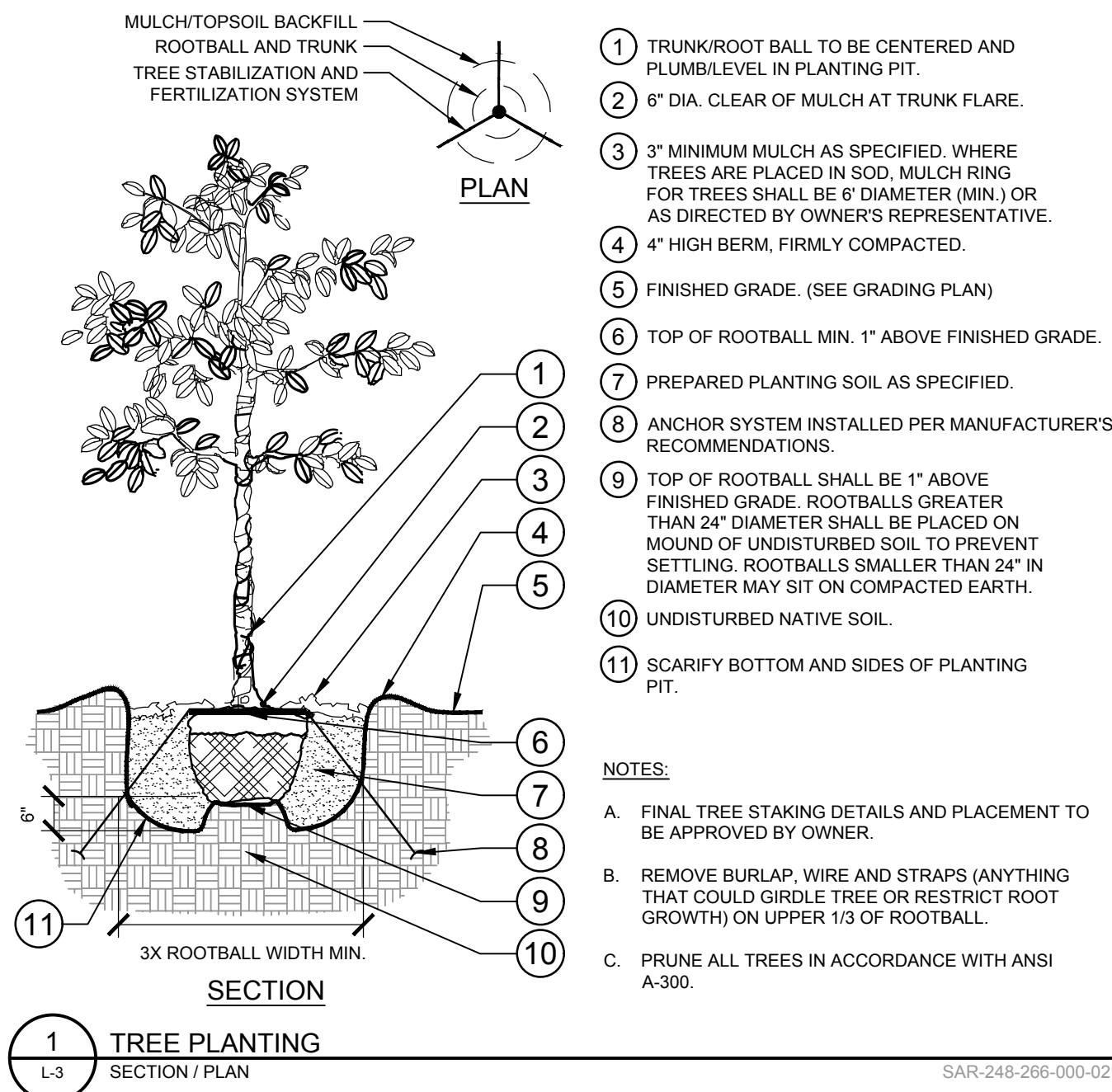
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LANDSCAPE DETAILS

HYATT STUDIO
PREPARED FOR
CITY OF VENICE

FLORIDA
VENICE

SHEET NUMBER
L-3

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IRRIGATION SPECIFICATIONS

1. SCOPE OF WORK

- 1.1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THESE PLANS.
- 1.2. INSTALL THE IRRIGATION SYSTEM TO PROVIDE 100% UNIFORM COVERAGE INCLUDING ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS. ALL FIELD CHANGES SHALL BE IN ACCORDANCE WITH THESE PLANS. ANY SYSTEMS THAT REQUIRE FIELD ADJUSTMENT TO PROVIDE FULL AND UNIFORM COVERAGE SHALL BE MADE PRIOR TO FINAL ACCEPTANCE AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- 1.3. SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. SEND COPIES OF THE PERMIT(S) TO THE OWNER'S REPRESENTATIVE. FOR WORK LOCATED IN THE R.O.W., CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION.
- 1.4. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.

2. PROTECTION OF EXISTING AND PROPOSED SITE ELEMENTS

- 2.1. ALL EXISTING SITE ITEMS, ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- 2.2. MAINTAIN ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
- 2.3. WHERE APPLICABLE, SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AGENCY STANDARDS UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, INDEX 102-600.
- 2.4. LOCATE ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO CONSTRUCTION ACTIVITIES. THE INFORMATION AND DATA SHOWN WITH RESPECT TO UTILITIES IS APPROXIMATE. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR, REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; AND REPAIRING ANY DAMAGE RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. NOTIFY THE LANDSCAPE ARCHITECT IN WRITING WHEN ANY CONFLICT BETWEEN UTILITIES AND THESE PLANS EXIST PRIOR TO INSTALLATION.

3. SUBMITTALS

- 3.1. SUBMIT FULL AND COMPLETE SHOP DRAWINGS OF ALL IRRIGATION EQUIPMENT AS SHOWN ON THESE PLANS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
- 3.2. SUBMIT PRODUCT DATA SHEETS FOR ALL IRRIGATION EQUIPMENT TO BE INSTALLED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THE IRRIGATION SYSTEM, AS SHOWN ON THESE PLANS, HAS BEEN DESIGNED AND CALCULATED WITH THE EQUIPMENT AS SPECIFIED. SUBMIT ANY REQUEST FOR PRODUCT SUBSTITUTION(S) IN WRITING. IF APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY MODIFICATION(S) AS A RESULT OF PRODUCT SUBSTITUTIONS TO THE IRRIGATION SYSTEM IN THE SHOP DRAWINGS TO MEET THE DESIGN INTENT OF THESE PLANS.

4. EQUIPMENT LIST

- 4.1. ALL QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.

5. POINT OF CONNECTION

- 5.1. FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING STATIC PSI AND GPM AVAILABLE PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IN WRITING IF DISCREPANCIES BETWEEN THE FLOW AND PRESSURE AS LISTED IN THE CRITICAL ANALYSIS AND THE FIELD CONDITIONS EXIST.
- 5.2. COORDINATE INSTALLATION OF ANY METERS AND BACKFLOW ASSEMBLIES WITH THE AGENCY HAVING JURISDICTION AND OWNER'S REPRESENTATIVE.

6. MAINLINE INSTALLATION

- 6.1. INSTALL ALL MAINLINES AND LATERALS UNDER PAVEMENT WITHIN SLEEVES. WHERE VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES, CONTAIN WIRES WITHIN A SEPARATE, SMALLER CONDUIT.
- 6.2. INSTALL COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW" ABOVE THE FULL LENGTH OF THE IRRIGATION MAINLINE.
- 6.3. WHERE MAINLINE RUNS PARALLEL TO PAVEMENT OR CURBING, OFFSET THE MAINLINE 24" FROM THE EDGE OF PAVEMENT OR CURB.
- 6.4. PERFORM HYDROSTATIC PRESSURE TESTING AS FOLLOWS:
 - 6.4.1. AFTER FLUSHING, AND THE INSTALLATION OF VALVES CONDUCT THE FOLLOWING TESTS. IN THE SEQUENCE LISTED BELOW, FURNISH ALL EQUIPMENT; MATERIALS AND LABOR NECESSARY TO PERFORM THE TESTS. CONDUCT ALL TESTS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. NOTIFY THE OWNER'S REPRESENTATIVE FORTY- EIGHT (48) HOURS IN ADVANCE OF TESTING.
 - 6.4.2. PERFORM WATER PRESSURE TESTS ON ALL PRESSURE MAIN LINES BEFORE ANY COUPLINGS, FITTINGS, VALVES AND THE LIKE ARE CONCEALED.
 - 6.4.3. IMMEDIATELY PRIOR TO TESTING, PURGE ALL IRRIGATION LINES OF ALL ENTRAPPED AIR OR DEBRIS BY ADJUSTING CONTROL VALVES AND INSTALLING TEMPORARY CAPS FORCING WATER AND DEBRIS TO BE DISCHARGED FROM A SINGLE OUTLET.
 - 6.4.4. TEST ALL PRESSURE MAIN LINE AT 150 PSI FOR A MINIMUM OF FOUR (4) HOURS WITH AN ALLOWABLE LOSS OF 5 PSI. PRESSURE AND GAUGES SHALL BE READ IN PSI, AND CALIBRATED SUCH THAT ACCURATE DETERMINATION OF POTENTIAL PRESSURE LOSS CAN BE ASCERTAINED.
 - 6.4.5. RE-TEST AS REQUIRED UNTIL THE SYSTEM MEETS THE REQUIREMENTS. REPAIR ANY LEAKS, WHICH OCCUR DURING TEST PERIOD, IMMEDIATELY FOLLOWING THE TEST.
 - 6.4.6. PROVIDE DOCUMENTATION STATING THE WEATHER CONDITIONS, DATE, THE START TIME AND INITIAL WATER PRESSURE READINGS, THE FINISH TIME AND FINAL WATER PRESSURE READINGS AND THE TYPE OF EQUIPMENT USED TO PERFORM THE TEST. THE DOCUMENTATION MUST BE SIGNED BY A WITNESS ACCEPTABLE TO THE OWNER, VERIFYING ALL OF THE ABOVE-MENTIONED CONDITIONS.
 - 6.4.7. SUBMIT A WRITTEN REPORT OF THE PRESSURE TESTING RESULTS WITH THE OTHER ABOVE REQUIRED INFORMATION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

7. IRRIGATION VALVES AND WIRING

- 7.1. LOCATE ALL VALVES, SPLICES WITHIN CONTROL LINES, QUICK COUPLERS, AND HOSE BIBBS WITHIN VALVE BOXES. PROVIDE PURPLE VALVE BOX LIDS FOR SYSTEMS UTILIZING A NON-POTABLE WATER SOURCE.
- 7.2. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO THE VALVE DESIGNATIONS.
- 7.3. WHEN POSSIBLE, LOCATE ALL VALVES IN PLANTING BEDS A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- 7.4. SEPARATE IRRIGATION ZONES FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE UNLESS NOTED OTHERWISE.
- 7.5. INSTALL ALL DRIP ZONES WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE HIGH OR LOW POINT, MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE.
- 7.6. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER. ALL WIRE RUNS SHALL BE CONTINUOUS WITH SPLICING OCCURRING IN VALVE BOXES ONLY. WIRE CONNECTIONS SHALL BE MADE USING DBRY-6 CONNECTIONS OR APPROVED EQUAL.
- 7.7. INSTALL VALVE CONTROL WIRING IN THE SAME TRENCH AS THE MAINLINE WHERE PRACTICAL.

- 7.8. FOR NON TWO-WIRE SYSTEMS, RUN TWO (2) SPARE VALVE CONTROL WIRES FROM THE CONTROLLER ALONG THE ENTIRE MAINLINE TO LAST REMOTE CONTROLLED VALVE ON EACH AND EVERY LEG OF MAINLINE.

8. PIPES AND SLEEVING

- 8.1. DO NOT INSTALL IRRIGATION SYSTEM THROUGH PRESERVED PLANT COMMUNITIES, DRIPLINE OF EXISTING TREES, OR WITHIN WETLANDS UNLESS SPECIFICALLY NOTED OTHERWISE.
- 8.2. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED.
- 8.3. SIZE ALL PIPE SLEEVES TWO PIPE SIZES GREATER THAN THE PIPE / CUMULATIVE SUM OF THE PIPES IT CARRIES.
- 8.4. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE UNLESS APPROVED BY OWNER IN WRITING.
- 8.5. SOLVENT CEMENTS SHALL COMPLY WITH ASTM D2564.

9. CONTROLLER AND SENSORS

- 9.1. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL CONTROLLER AND RAIN SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)
- 9.2. LOCATE THE AUTOMATIC RAIN SENSOR SHUTOFF DEVICE IN AN AREA THAT IS UNOBSTRUCTED BY TREES, ROOF OVERHANGS, OR ANY OTHER OVERHEAD OBJECT. THE SENSOR SHALL NOT BE PLACED WITHIN THE SPRAY ZONE OF ANY SPRINKLER HEAD, INCLUDING OFF-SITE IRRIGATION. CONTRACTOR SHALL LOCATE SENSOR WITHIN CLOSE PROXIMITY TO THE IRRIGATION CONTROLLER.

10. CLEANUP

- 10.1. UPON COMPLETION OF ALL WORK AND BEFORE FINAL ACCEPTANCE, REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

11. AS-BUILT IRRIGATION PLANS

- 11.1. PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE OF WORK. INCLUDE THE FOLLOWING ON THE AS-BUILT DRAWINGS AT A MINIMUM:
 - CONTROLLER LOCATION
 - CONNECTION ASSEMBLY
 - MAINLINE ROUTING
 - PIPE SLEEVING
 - VALVE(S)
 - COLORIZED ZONING DIAGRAM
- 11.2. LOCATE ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY THE IRRIGATION CONTRACTOR OR NOT ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.

12. FINAL INSPECTION AND ACCEPTANCE OF WORK

- 12.1. MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
- 12.2. PROGRAM CONTROLLER TO IRRIGATE ALL ZONES WITHIN APPLICABLE WATERING WINDOWS AND PROVIDE WATERING SCHEDULE TO OWNER'S REPRESENTATIVE.
- 12.3. EQUIPMENT TO BE FURNISHED TO OWNER PRIOR TO ACCEPTANCE OF WORK:
 - TWO (2) SETS OF KEYS FOR EACH AUTOMATIC CONTROLLER.
 - TWO (2) 48 INCH TEE WRENCHES FOR OPERATING GATE VALVES (WHEN INSTALLED AS PART OF WORK).
 - THREE (3) SETS OF SPECIAL TOOLS REQUIRED FOR REMOVING, DISASSEMBLING AND ADJUSTING EACH TYPE OF - SPRINKLER AND VALVE SUPPLIED ON THIS PROJECT.
 - FIVE (5) EXTRA SPRINKLER HEADS, NOZZLES, SHRUB ADAPTERS, NOZZLE FILTER SCREENS, FOR EACH TYPE USED ON THE PROJECT.
 - TWO (2) QUICK COUPLER KEYS TO MATCH MANUFACTURER TYPE OF QUICK COUPLER.
- 12.4. UPON COMPLETION OF ALL WORK, A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. THE IRRIGATION SYSTEM, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT SHALL BE INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY ITEMS FOUND TO NOT BE IN COMPLIANCE SHALL BE CORRECTED AT NO COST TO THE OWNER.

13. WARRANTY

- 13.1. THE CONTRACTOR SHALL WARRANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF 1 YEAR FOLLOWING THE ACCEPTANCE OF THE WORK.
- 13.2. ANY PART OF THE IRRIGATION WORK THAT FAILS OR IS DEFECTIVE SHALL BE REPLACED OR RECONSTRUCTED AT NO COST TO THE OWNER INCLUDING BUT NOT LIMITED TO, RESTORING GRADES THAT HAVE SETTLED IN TRENCHES AND EXCAVATIONS RELATED TO THE WORK. RECONSTRUCTION SHALL INCLUDE ANY PLANTINGS, SOIL, MULCH OR OTHER PARTS OF THE CONSTRUCTED LANDSCAPE THAT MAY BE DAMAGED DURING THE REPAIR OR THAT RESULTS FROM SOIL SETTLEMENT.
- 13.3. THE DATE OF ACCEPTANCE OF THE WORK AND START OF THE GUARANTEE PERIOD SHALL BE DETERMINED BY THE OWNER, UPON THE FINDING THAT THE ENTIRE IRRIGATION SYSTEM IS INSTALLED AS DESIGNED AND SPECIFIED, AND FOUND TO BE OPERATING CORRECTLY, SUPPLYING WATER EVENLY TO ALL PLANTING AND/OR LAWN AREAS.
- 13.4. NEITHER THE FINAL ACCEPTANCE NOR ANY PROVISION IN THE CONTRACT DOCUMENTS SHALL RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR FAULTY MATERIALS OR WORKMANSHIP. REMEDY ANY DEFECTS WITHIN A PERIOD OF 7 DAYS (S) FROM THE DATE OF NOTIFICATION OF A DEFECT.

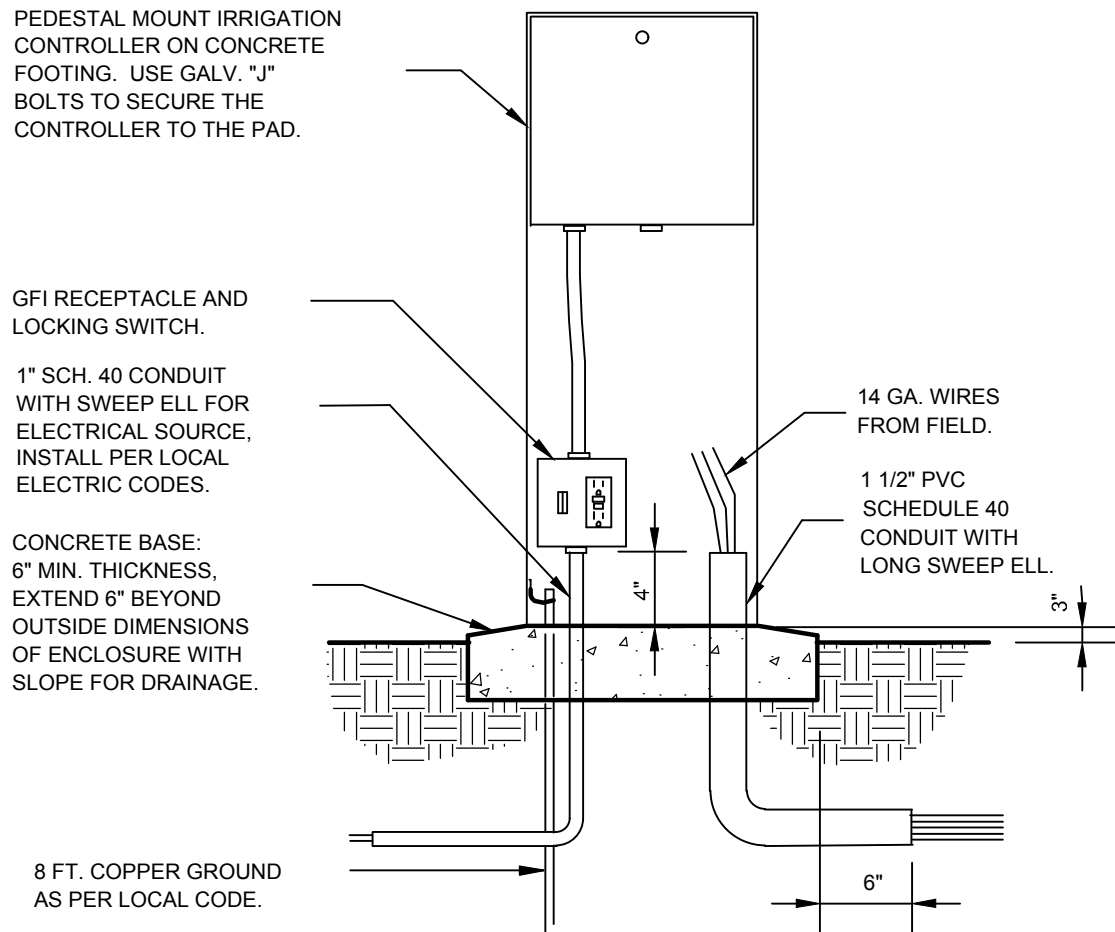
14. ABBREVIATIONS

GPM -	GALLONS PER MINUTE
GPH -	GALLONS PER HOUR
PSI -	POUNDS PER SQUARE INCH

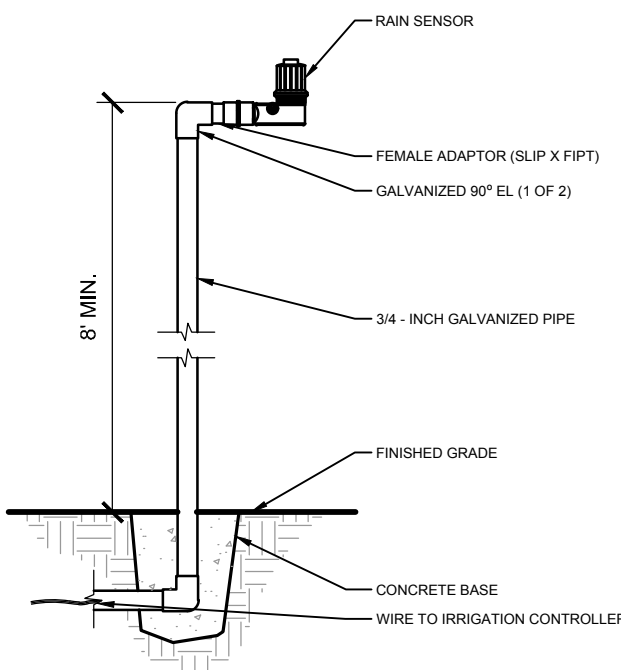
LATERAL PIPE SIZING REQUIREMENTS

MAXIMUM FLOW	MINIMUM PIPE SIZE
10 GPM	3/4"
16 GPM	1"
26 GPM	1-1/4"
35 GPM	1-1/2"
55 GPM	2"
80 GPM	2-1/2"
120 GPM	3"

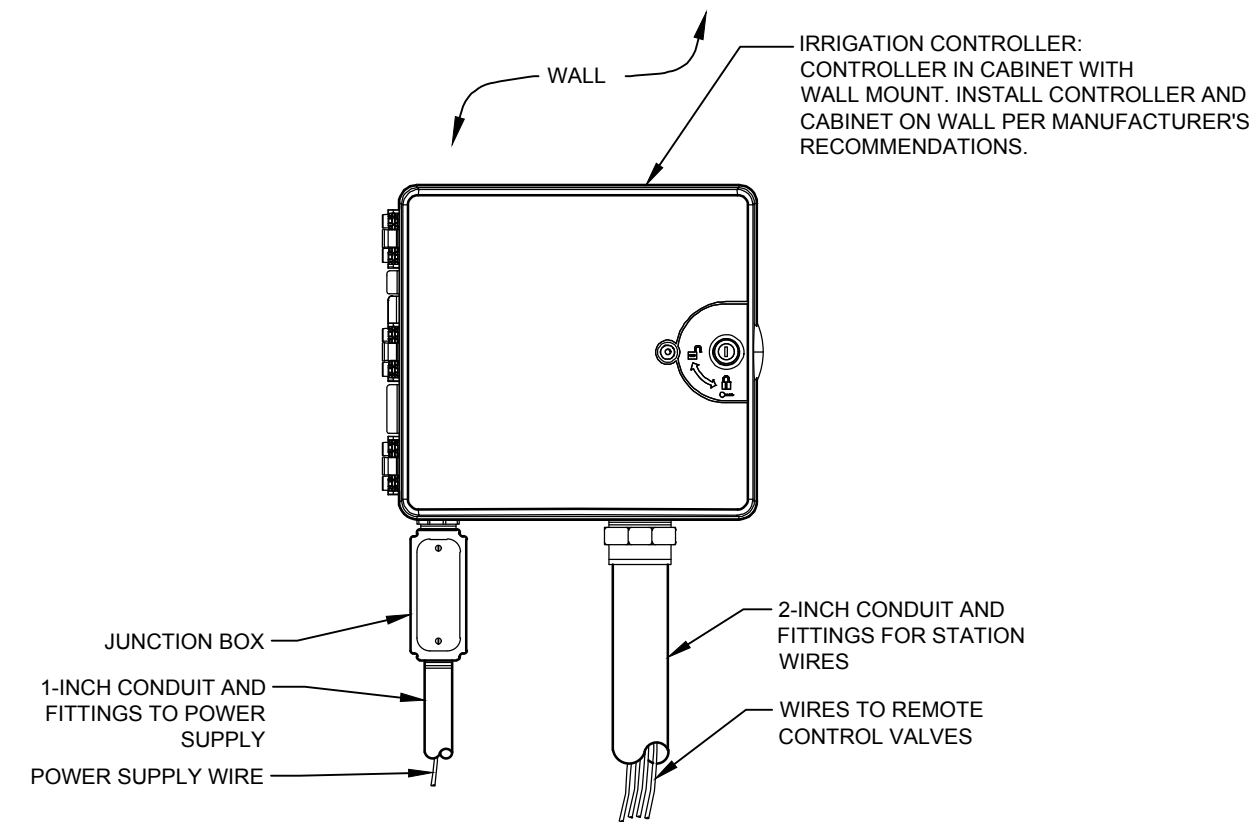
PIPE SIZES ILLUSTRATED IN THE ABOVE CHART ARE MINIMUM ACCEPTABLE SIZES. PIPE SIZES INDICATED ON PLAN ARE FOR CONVENIENCE ONLY. FIELD SIZE ALL LATERAL PIPING TO KEEP ALL FRICTION LOSS VELOCITIES BELOW 5.0 FPS.



1 IRRIGATION CONTROLLER - PEDESTAL MOUNT
IR-2 SECTION NTS



2 RAIN SENSOR - POLE MOUNT
IR-2 SECTION NTS



- NOTES:
1. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
 2. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
 3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

3 IRRIGATION CONTROLLER - WALL MOUNT
IR-2 ELEVATION NTS

CALL 2 WORKING DAYS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn

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1800 2ND STREET, SUITE 900, SARASOTA, FL 34236
PHONE: 941-579-7600
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER D.
CIANFAGNONE, P.L.A.
FLORIDA LICENSE NUMBER
6667207

CHECKED BY: CDC DATE: 3/7/2025

IRRIGATION
SPECIFICATIONS AND
DETAILS

HYATT STUDIO
PREPARED FOR
CITY OF VENICE

FLORIDA

VENICE

SHEET NUMBER

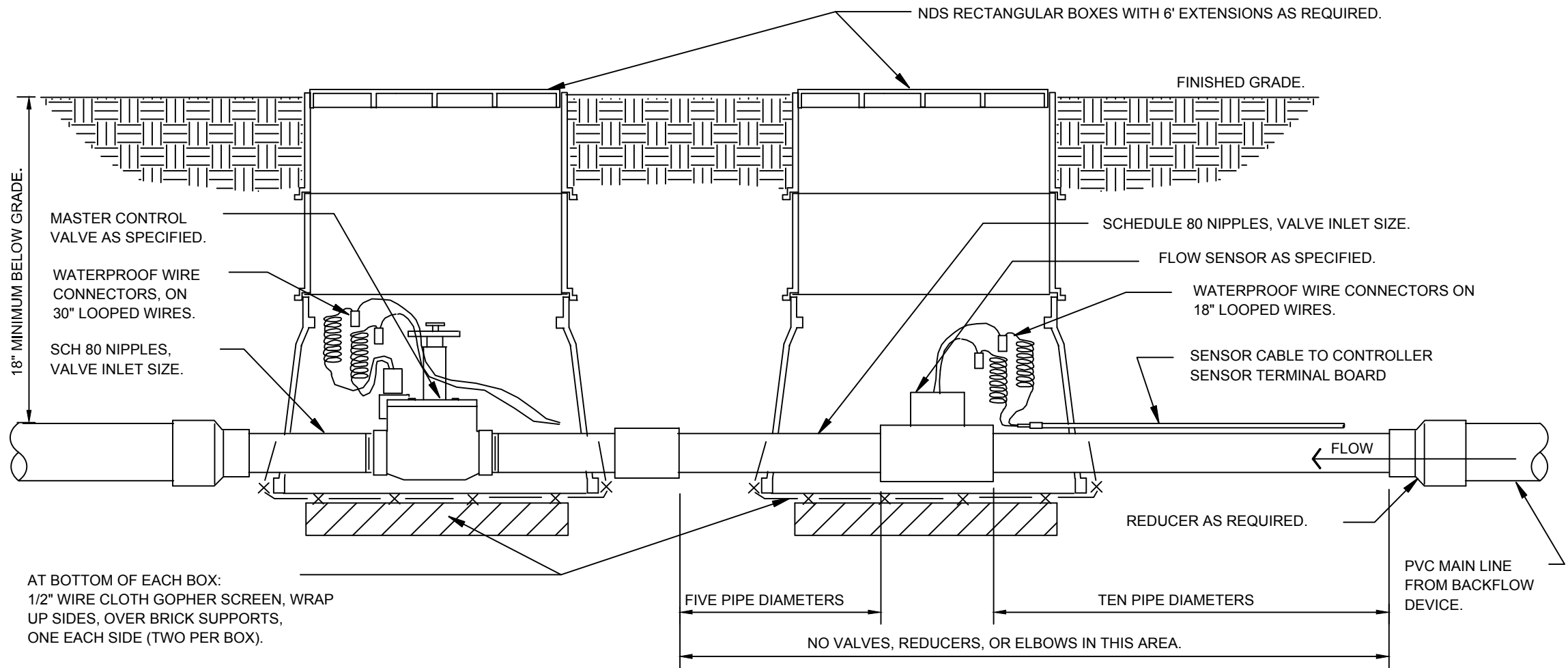
IR-2

REVISIONS

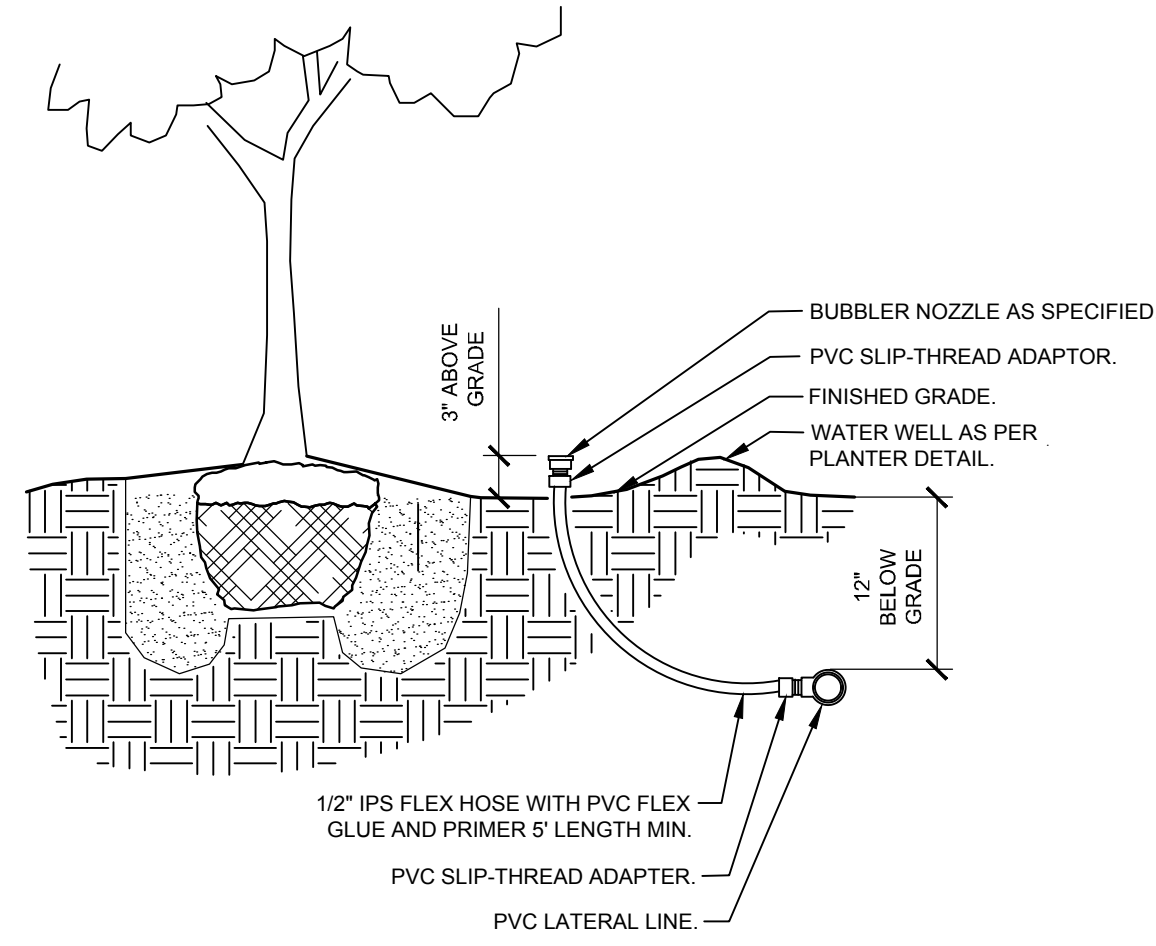
DATE

BY

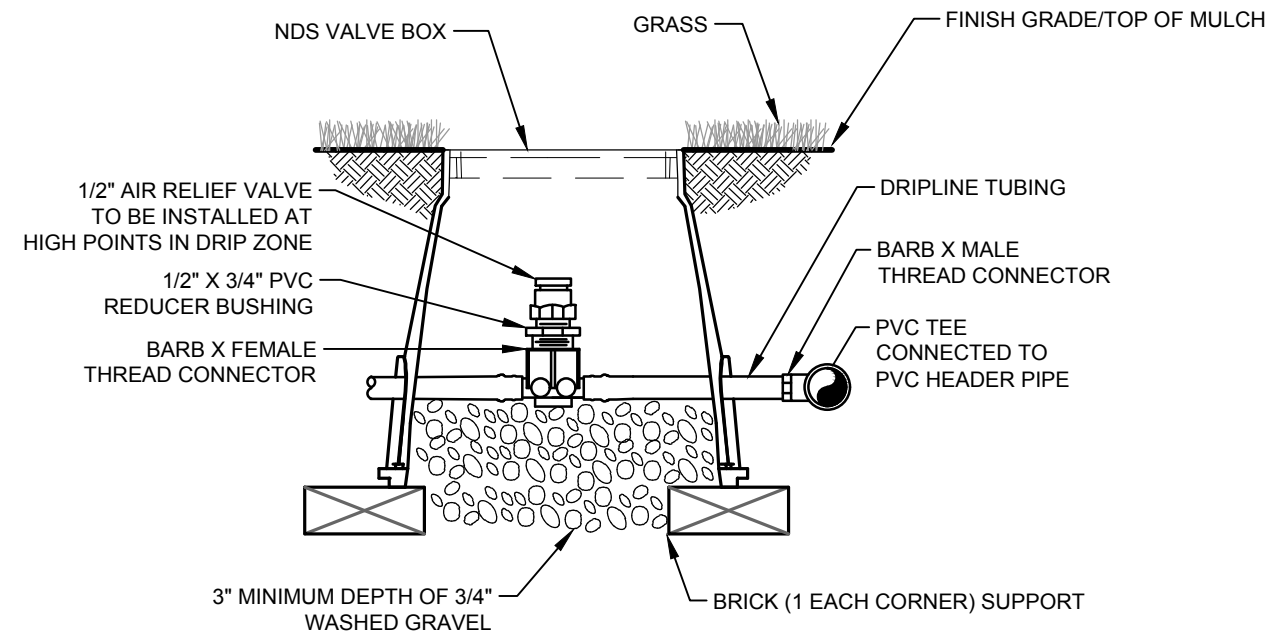
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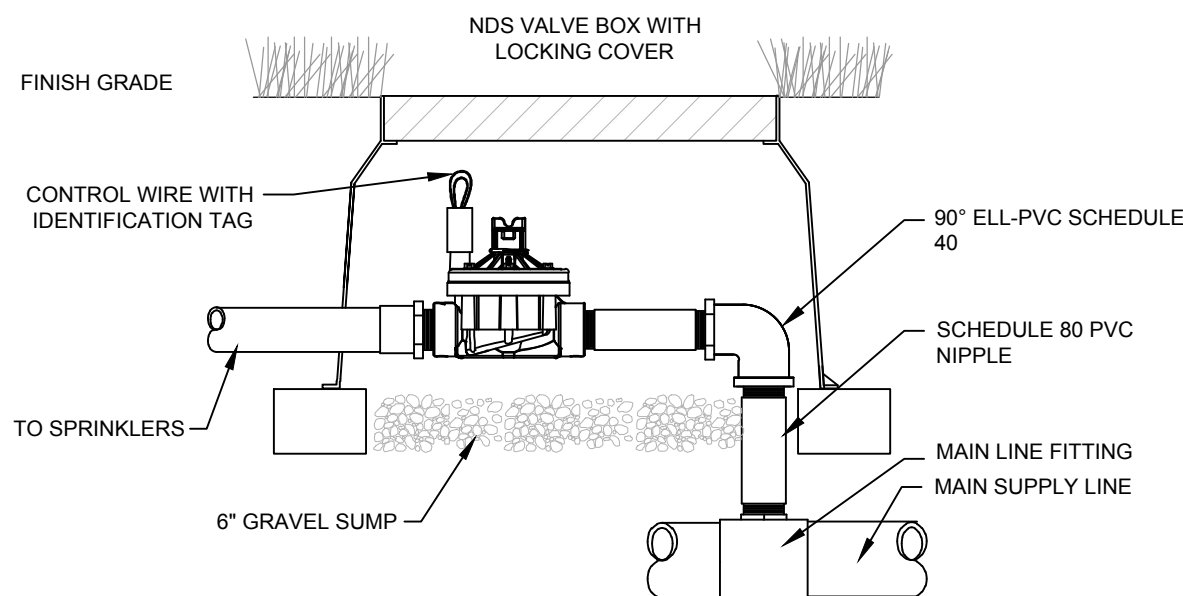
1 MASTER CONTROL VALVE / FLOW SENSOR ASSEMBLY
IR-3 SECTION NTS



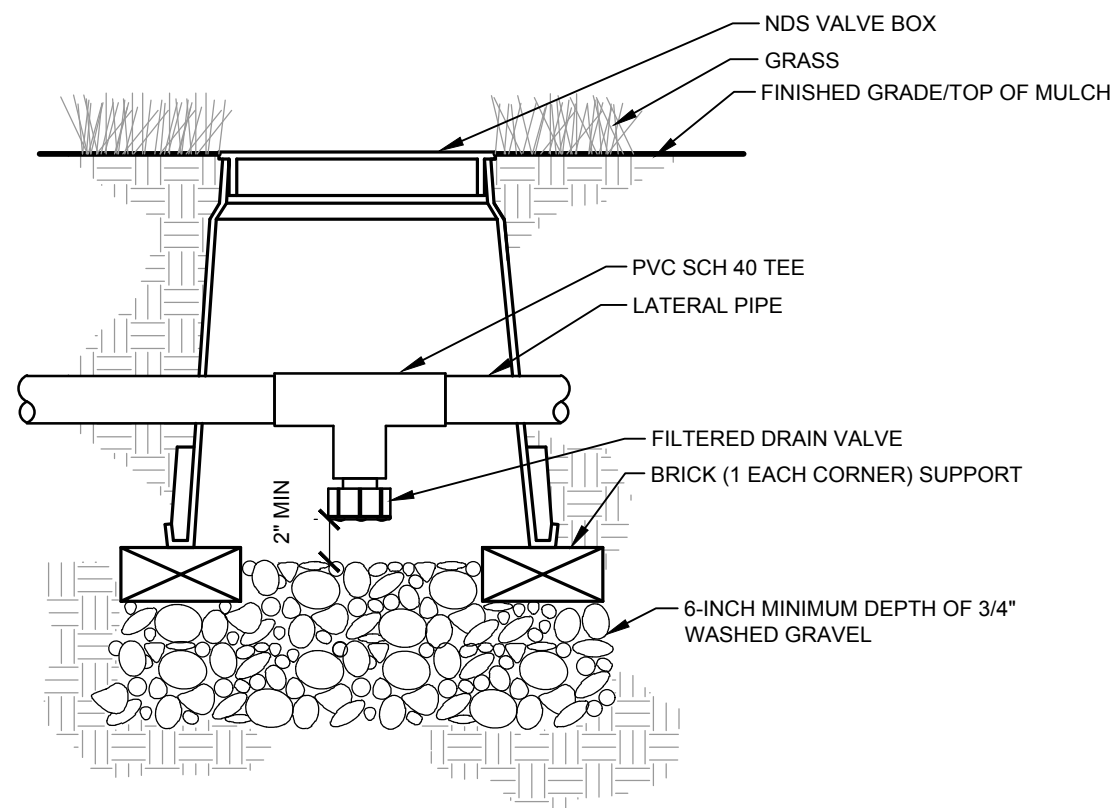
2 TYPICAL BUBBLER
IR-3 SECTION NTS



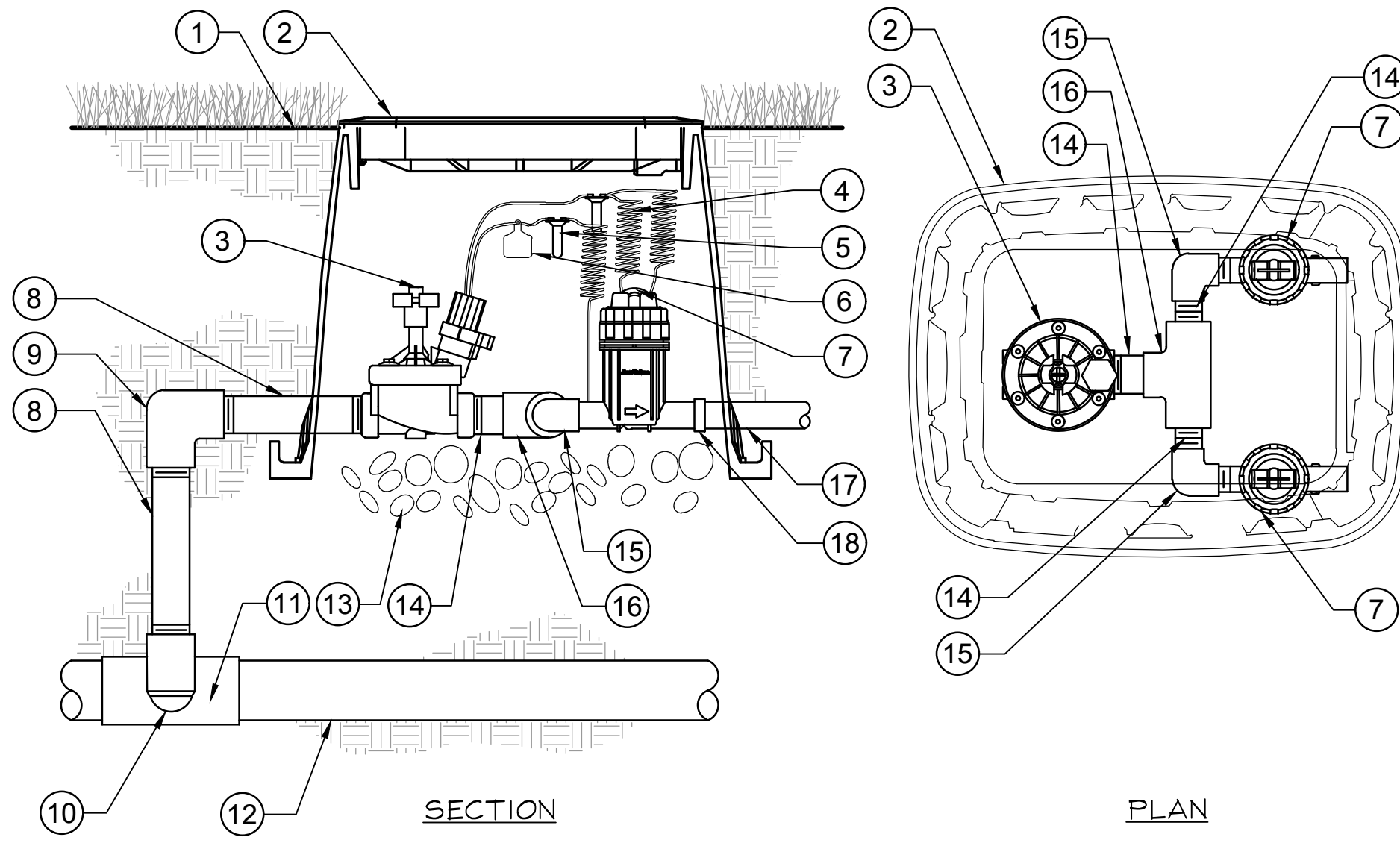
3 AIR RELIEF VALVE IN DRIPLINE
IR-3 SECTION NTS



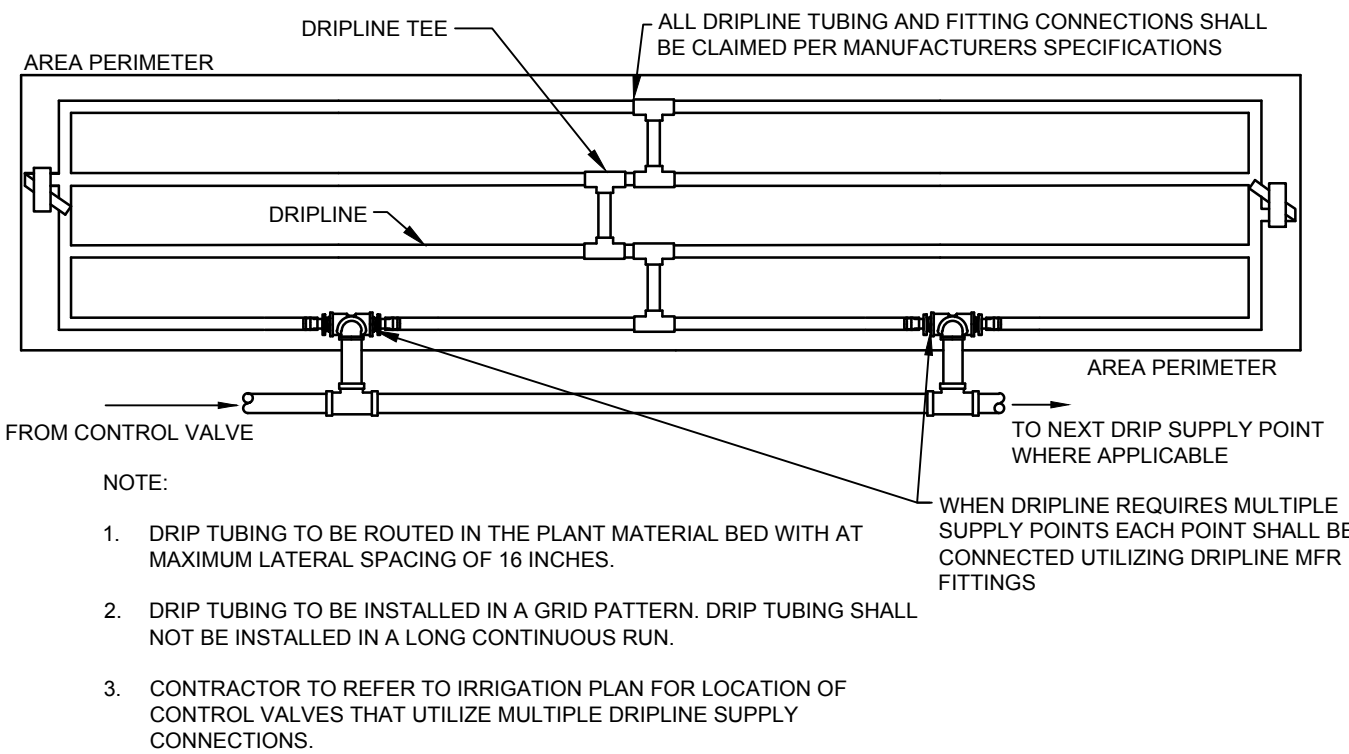
4 TYPICAL CONTROL VALVE
IR-3 SECTION NTS



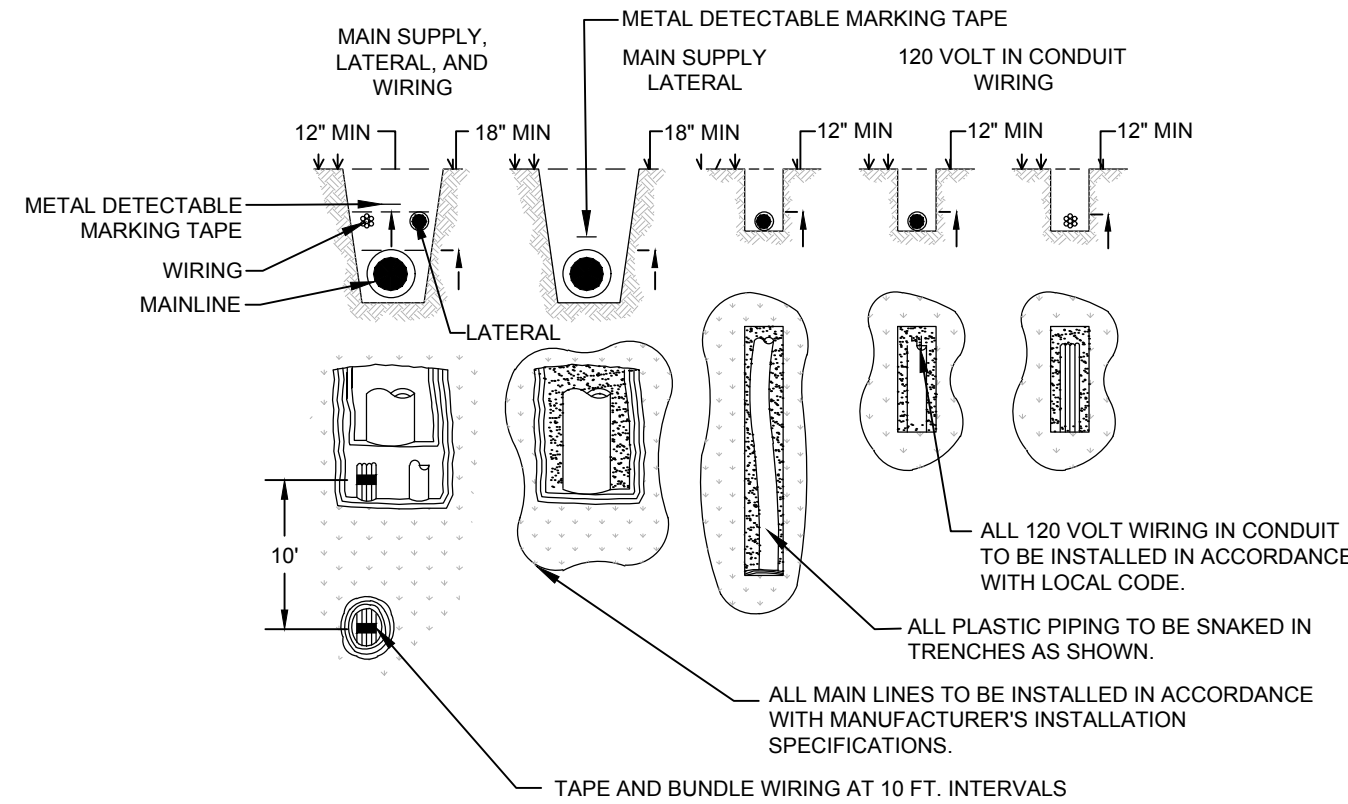
5 TYPICAL DRAIN VALVE
IR-3 SECTION NTS



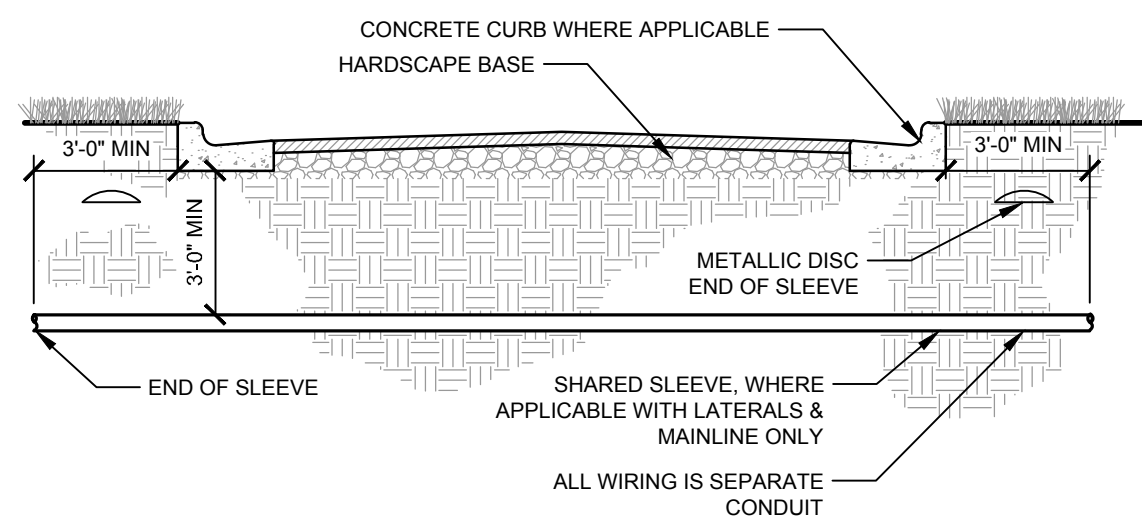
6 DRIP ZONE VALVE KIT
IR-3 SECTION / PLAN NTS



7 TYPICAL DRIPLINE
IR-3 PLAN NTS



8 TYPICAL TRENCHING
IR-3 SECTION NTS



9 TYPICAL SLEEVING
IR-3 SECTION NTS

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PHONE: 941-379-7600
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
248266000
DATE
MARCH 2025
SCALE
AS SHOWN
DESIGNED BY
KHA
DRAWN BY
JKC
CHECKED BY
CDC
DATE
3/7/2025

IRRIGATION DETAILS

HYATT STUDIO
PREPARED FOR
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