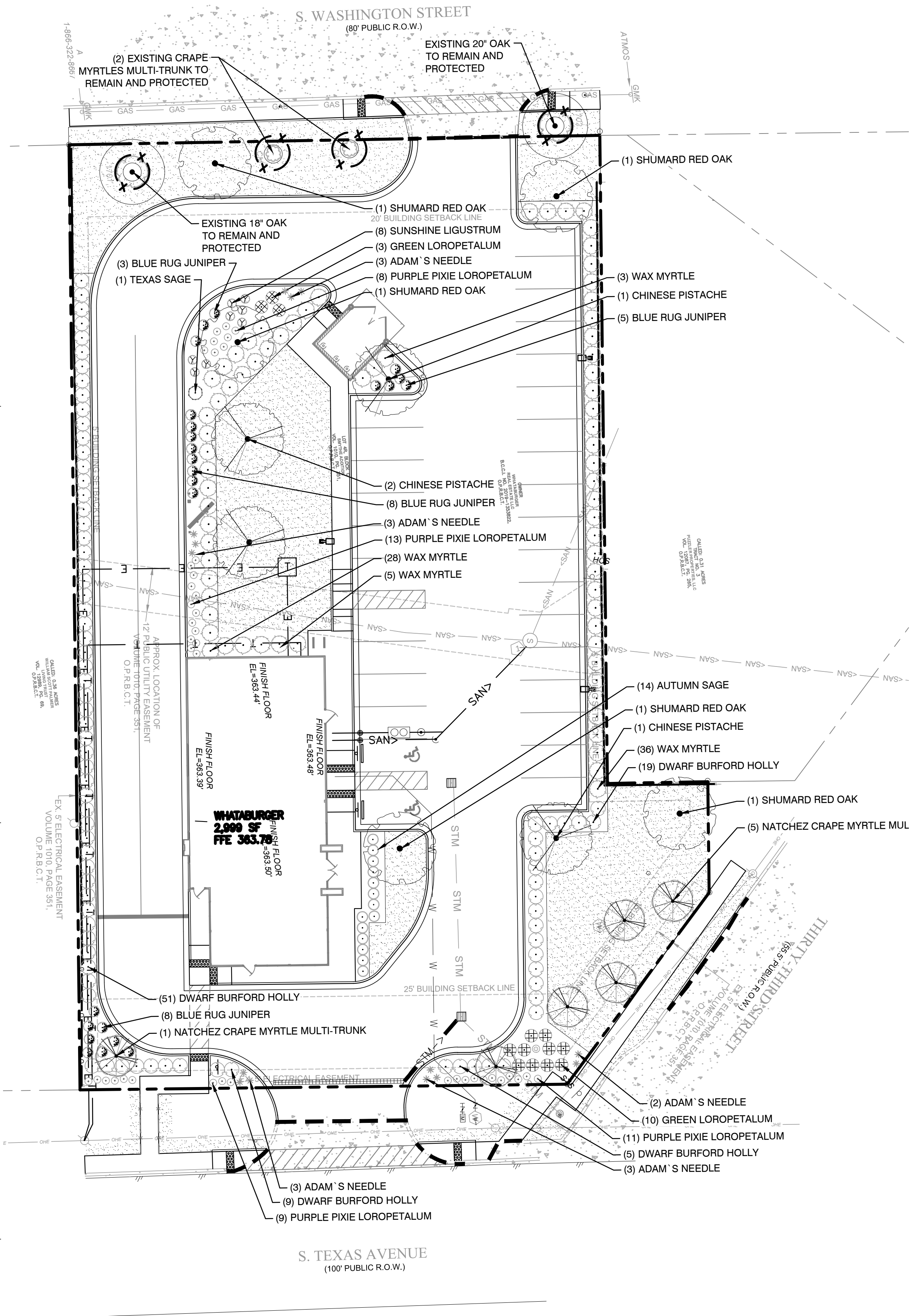


Drawing Name: P:\2023\20230849\000 Civil_Civil_Drawings\20230849 Landscape.dwg User: Modified: Sep 18, 2023 - 12:15pm Plotted on: Sep 18, 2023 - 12:44pm by emad666



MAINTENANCE OF LANDSCAPING:

THE OWNER, TENANT, OR AGENT, IF ANY, SHALL BE RESPONSIBLE FOR PROVIDING, PROTECTING AND MAINTAINING ALL LANDSCAPING IN HEALTHY GROWING CONDITIONS. REPLACING IT WHEN NECESSARY TO ENSURE CONTINUOUS CONFORMANCE WITH THESE GUIDELINES AND KEEPING IT FREE FROM REFUSE AND DEBRIS. MAINTENANCE SHALL INCLUDE THE REPLACEMENT OF ALL DEAD PLANT MATERIAL WITHIN THE GUARANTEED CONTRACT PERIOD OF TWO (2) YEARS.

PROPOSED LEGEND:

- PROPERTY LINE
- PROPOSED CURB
- PROPOSED SITE LIGHT, SEE PHOTOMETRIC PLAN
- PROPOSED DRAINAGE STRUCTURES (SEE GRADING/DRAINAGE PLANS)
- PROPOSED PARKING SPACES
- TREE PROTECTION FENCING

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	CALIPER	SIZE
TREES					
	6	LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' / NATCHEZ CRAPE MYRTLE MULTI-TRUNK	B & B	2" CAL	8'
	4	PISTACIA CHINENSIS / CHINESE PISTACHE	B & B	3.5" CAL	10'-12'H
	5	QUERCUS SHUMARDII / SHUMARD RED OAK	B & B	3.5" CAL	10'-12'H
SHRUBS					
	84	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY	5 GAL	24" MIN.	
	24	JUNIPERUS HORIZONTALIS 'BLUE RUG' / BLUE RUG JUNIPER	5 GAL	24" MIN.	
	1	LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE	5 GAL	24" MIN.	
	8	LIGUSTRUM SINENSE 'SUNSHINE' / SUNSHINE LIGUSTRUM	5 GAL	24" MIN.	
	13	LOROPETALUM CHINENSE / GREEN LOROPETALUM	5 GAL	24" MIN.	
	41	LOROPETALUM CHINENSE 'PURPLE PIXIE' / PURPLE PIXIE LOROPETALUM	5 GAL	24" MIN.	
	72	MYRICA CERIFERA / WAX MYRTLE	5 GAL	24" MIN.	
	14	SALVIA GREGGII / AUTUMN SAGE	5 GAL	24" MIN.	
	14	YUCCA FILAMENTOSA 'COLOR GUARD' / ADAM'S NEEDLE	3 GAL	24" MIN.	
GROUND COVERS					
	8,319 SF	CYNODON DACTYLON / BERMUDA GRASS	SOD		

TREE CALIPER MEASUREMENTS ARE TO BE MEASURED AT A PLANTED HEIGHT OF 4.5 FEET. SHRUB HEIGHT MEASUREMENTS ARE TO BE AS MEASURED FROM TOP OF ROOTBALL (TYP.).

LANDSCAPE REQUIREMENTS- WHATABURGER	ACRES	SQUARE FOOTAGE
TOTAL SITE AREA	0.910	39,676.00
LANDSCAPE AREA		
MINIMUM 15% LANDSCAPED	REQ.	PROVIDED
Not less than 50% of the required area to be landscaped shall be planted in trees	5,951 (15%)	5,960 (15%)
8 Canopy Trees (9 x 250 = 2,250 SF)	2,975 SF (50%)	3,250 SF (54%)
1 Existing Canopy Tree = 400 SF		
6 Multi-trunk Trees (6 x 100 SF = 600 SF)		
Shrubs (271 x 10 SF = 2,710 SF)		
PARKING LOT LANDSCAPING		
Trees are required for every parking lot end island	REQ.	PROVIDED
		PROV.
The remainder of all parking lot islands shall be fully landscaped with shrubs, grass, live groundcovers, and/or nonvegetative groundcover approved by the City		PROV.
SCREENING		
A decorative wall or landscaped earth berm at least two feet in height, or dense shrubbery having year-round foliage at least 3 feet in height, is required as a visual buffer along street frontages	REQ.	PROVIDED
	3' SHRUBS	PROV.
FREE STANDING SIGNAGE		
Landscaping shall be provided for an area extending a minimum four linear feet in all	REQ.	PROVIDED
		PROV.

LANDSCAPE NOTES

- LANDSCAPE PLANS ARE FOR THE LOCATION AND IDENTIFICATION OF PLANT MATERIAL ONLY. NO OTHER WORK IS TO BE PERFORMED BASED ON THESE PLANS.
- QUANTITIES ON THE PLANT SCHEDULE ARE PROVIDED FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN QUANTITY CALCULATIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE LANDSCAPE PLANS AND THE PLANT SCHEDULE, THE LANDSCAPE PLAN WILL TAKE PRECEDENCE. THE CONTRACTOR SHALL INFORM THE LANDSCAPE ARCHITECT IMMEDIATELY UPON DISCOVERING ANY QUANTITY DISCREPANCIES.
- THE CONTRACTOR SHALL NOT CHANGE OR SUBSTITUTE PLANT VARIETIES OR SPECIES WITHOUT PRIOR WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL TAKE 3 REPRESENTATIVE SOIL SAMPLES OF EACH PROPOSED PLANT BED AND SUBMIT COPIES OF THE RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OF ALL PLANTING HOLES AND PLANT BEDS PRIOR TO INSTALLATION.
- STUMPS LABELED FOR REMOVAL SHALL BE EXCAVATED, NOT GROUND. REMOVE ANY DEBRIS FROM THE HOLE, FILL WITH TOP SOIL, COMPACT AND RAKE SMOOTH PRIOR TO INSTALLING NEW PLANT MATERIAL.
- TOPSOIL WILL NOT BE STOCKPILED FOR RE-USE IN LANDSCAPE WORK. CONTRACTOR SHALL IMPORT TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK.

PROVIDE NEW TOPSOIL THAT IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF ROOTS, STUMPS AND LARGE STONES, AND FREE OF BRUSH, WEEDS, LITTER, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.

OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4 INCHES. DO NOT OBTAIN FROM BOGS OR MARSHES. PLANT MATERIAL SHALL BE PLACED AS SHOWN ON THE LANDSCAPE PLANS.

8. PLANTING SOIL MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF THE FOLLOWING:

80% TOPSOIL
20% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
 - 3 PARTS - ORGANIC SOIL CONDITIONER (NATURE'S HELPER OR EQUAL)
 - 1 PART - STERILIZED COW MANURE (OR EQUAL)
 - COMMERCIALY AVAILABLE STARTER FERTILIZER @ RATES SPECIFIED BY MANUFACTURER
 - LIME (AS RECOMMENDED IN SOIL ANALYSIS)
- QUALITY OF PLANT MATERIAL: ALL PLANTS SHALL CONFORM TO THE CURRENT VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).

PLANT MATERIAL SHALL BE FREE OF DISEASE AND/OR INSECTS, AND SHALL HAVE A HEALTHY ROOT SYSTEM WITH NO CIRCLING OR KINKED ROOTS. CONTAINER PLANTS SHALL NOT BE ROOT BOUND. PLANT MATERIAL SHALL CONFORM TO THE CURRENT STANDARDS OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004).

TREES SHALL HAVE STRAIGHT TRUNKS, DENSE CANOPIES AND STRONG BRANCHING WITH GOOD CROTCH ANGLES. CONTRACTOR SHALL SUBMIT GRADE PHOTOS OF EACH TREE TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY.

ALL PLANT MATERIAL SHALL BE SUFFICIENTLY WATERED TO WET THE ENTIRE ROOT BALL WITHIN TWO HOURS OF PLANTING.
- INSPECTION AND APPROVAL OF PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT UPON DELIVERY TO THE SITE, PRIOR TO INSTALLATION. CONTRACTOR SHALL GIVE LANDSCAPE ARCHITECT AT LEAST ONE WEEK NOTICE PRIOR TO PLANT DELIVERY.
- NEW SHRUB AND GROUNDCOVER PLANTING SHALL BE A MINIMUM OF 36" AWAY FROM EXISTING TREES.
- CONTRACTOR SHALL REMOVE ALL PLANT TAGS AFTER APPROVAL OF PLANT INSTALLATION BY LANDSCAPE ARCHITECT
- MULCH ALL PLANT BEDS AND TREE RINGS WITH FRESH, HARDWOOD TO A MINIMUM DEPTH OF THREE (3) INCHES. DO NOT PILE MULCH AROUND THE BASE OF PLANTS OR TREE TRUNKS. ALL MULCH EDGES SHALL BE NEATLY TUCKED. ALL STRING AND/OR BAILING WIRE SHALL BE REMOVED. DUST SHRUBS AND GROUND COVER AFTER MULCHING TO REMOVE LOOSE HARDWOOD FROM THE PLANTS.
- BED PREPARATION FOR SOD INSTALLATION: REMOVE EXISTING VEGETATION WITHIN THE APPROVED BEDLINE. IF THE EXISTING SOIL IS COMPACTED OR OTHERWISE UNSUITABLE FOR PLANTING, REMOVE THE TOP 4 INCHES OF SOIL, TILL SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES. REMOVE LARGE STONES, STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATERIAL.

SPREAD 2 INCHES OF TOPSOIL OVER THE PREPARED BED AND TILL INTO THE TOP 4 INCHES OF LOOSENED SUBGRADE. SPREAD THE REMAINING 2 INCHES OF TOPSOIL, RAKE SMOOTH AND ROLL COMPACT. BEDS SHALL BE FINISHED WITH A SLIGHT CROWN AT THE CENTER TO ALLOW WATER TO SHEET FLOW TO THE SIDES.

WATER THE BED IMMEDIATELY BEFORE LAYING THE SOD SO THAT THE TOP INCH OF SOIL IS MOIST. ALLOW WATER TO PERCOLATE SO THERE IS NO STANDING WATER. LIMIT PREPARATION TO AREAS THAT WILL BE SODDED THAT SAME DAY.
- MAINTENANCE: CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL FROM THE TIME IT IS INSTALLED UNTIL FINAL ACCEPTANCE OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER OCCURS FIRST. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO MOWING, EDGING, WEEDING, WATERING, PRUNING, FERTILIZING, ETC.
- WARRANTY: CONTRACTOR SHALL PROVIDE A ONE-YEAR WARRANTY ON ALL PLANT MATERIAL AND LABOR. WARRANTY PERIOD SHALL BEGIN UPON FINAL COMPLETION OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER OCCURS FIRST.

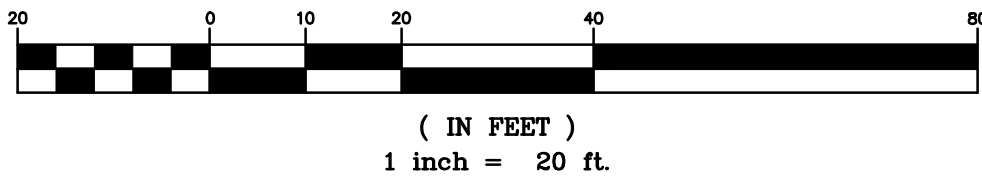
THE CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS OF THE PROJECT DURING THE WARRANTY PERIOD TO ENSURE THAT THE ESTABLISHMENT RATE OF GROWTH IS ADEQUATE. ANY METHODS OR PRODUCTS DEEMED NOT NORMAL OR DETRIMENTAL TO GOOD PLANT GROWTH SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IN WRITING. FAILURE TO INSPECT AND REPORT WILL BE INTERPRETED AS APPROVAL, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL REPLACEMENTS.



Know what's below.
Call before you dig.



GRAPHIC SCALE



1230 Peachtree Street, NE
Suite 2900
Atlanta, GA 30309
t: 404 601 4000

COPYRIGHT NOTICE
This drawing is the property of the above referenced Professional and is not to be used for any purpose other than the specific project and site names herein, and cannot be reproduced in any manner without the express written permission from the Professional.

PROJECT TEAM

CIVIL ENGINEERING
GF

ARCHITECT

GF

STRUCTURAL ENGINEERING

GF

MECHANICAL ENGINEERING

GF

ELECTRICAL ENGINEERING

GF

ISSUE/REVISION RECORD

DATE	DESCRIPTION
10.14.2022	60% SUBMISSION
11.15.2022	100% SUBMISSION
09.18.2025	RESUBMITTAL

PROFESSIONAL SEAL



09/18/2025

PROFESSIONAL LICENSE NO:
3182

PROFESSIONAL IN CHARGE

ALEX. MADDOX

PROJECT MANAGER

RS

QUALITY CONTROL

RS

DRAWN BY

NN

PROJECT NAME



WHATABURGER.

902 SOUTH TEXAS AVENUE
BRYAN, TEXAS 77803

PROJECT NUMBER

20220849.0

SHEET TITLE

LANDSCAPE
PLAN

SHEET NUMBER

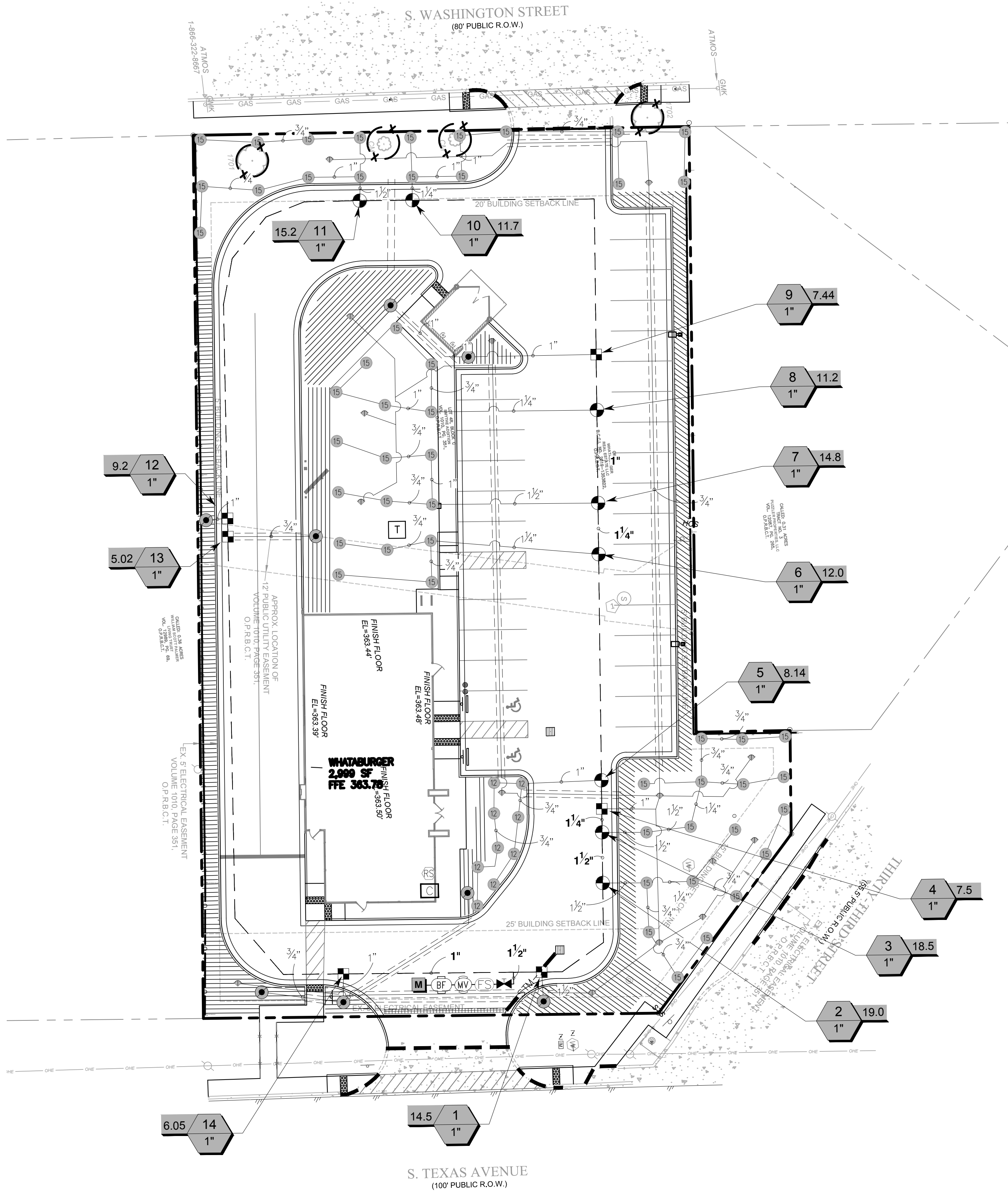
L-1.0



1. ALL TREES SHOWN ON THIS PLAN TO BE RETAINED SHALL BE PROTECTED DURING ALL PHASES OF DEMOLITION/CONSTRUCTION WITH TEMPORARY FENCING. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH LANDSCAPE CONTRACTOR.
2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING). CLEARING SHALL BE DONE BY HAND.
3. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED WITH A CLEAN CUT FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY NATIVE SOIL IMMEDIATELY. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
4. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.
5. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
6. DAMAGE TO TREES OR ANY NATURAL RESOURCE DUE TO CONTRACTOR'S NEGLIGENCE DURING THE CONSTRUCTION PHASE SHALL BE APPRAISED BY THE OWNER'S REPRESENTATIVE AND ORDERED REPAIRED, REPLACED, OR COMPENSATED.

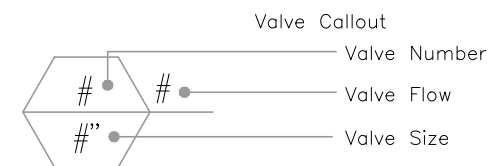


Drawing Name: P:\2023\20220849\000 Civil\Current Drawings\20220849 Landscape.dwg User: Landscape.dwg Last Modified: Sep 18, 2023 - 12:51pm Plotted on: Sep 18, 2023 - 12:56pm by emadob



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	RAIN BIRD 1806 HE-VAN SERIES		
	TURF SPRAY 6.0\" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2\" NPT FEMALE THREADED INLET.	62	30
	RAIN BIRD 1804-1400 FLOOD 1401 FLOOD BUBBLER 4.0\" POPUP	15	40
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD XCPGA-100-PRF MEDIUM FLOW, 3-15GPM, WITH 1\" PGA VALVE AND 1\" PRESSURE REGULATING RBY FILTER AND 40PSI PRESSURE REGULATOR, IT IS 2 WIRE COMPATIBLE RESIDENTIAL CONTROL ZONE KIT.	6	
	PIPE TRANSITION POINT IN DRIP BOX	8	
	PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6\" (150MM) DRIP BOX.		
	AREA TO RECEIVE DRIPLINE		
	RAIN BIRD XFCV-06-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE, 0.6 GPH EMITTERS AT 12\" O.C. DRIPLINE LATERALS SPACED AT 12\" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	4,219 LF	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD PEB 1\", 1-1/2\", 2\" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	8	
	NIBCO T-580-56-R-66-LL STAINLESS STEEL BALL VALVE SHUT OFF VALVE	1	
	RAIN BIRD PEB 1\", 1-1/2\", 2\" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1	
	WATTS U009 1\" REDUCED PRESSURE BACKFLOW PREVENTER	1	
	RAIN BIRD ESPBLXME W/ (1) ESPLXMS12 (2) 20 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER, (1) ESPBLXME 8-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (1) ESPLXMS12 - 12-STATION EXPANSION MODULES.	1	
	RAIN BIRD WR2-RFS WIRELESS RAIN/FREEZE SENSOR.	1	
	RAIN BIRD FS-100-B 1\" FLOW SENSOR, BRASS MODEL, SUGGESTED OPERATING RANGE 2.0 GPM TO 40.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LXIVM(P) LXD LXME2(P) ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	1	
	WATER METER 1\"	1	
	IRRIGATION LATERAL LINE: POLYFLEX PIPE SDR-9-CTS	2,080 LF	
	IRRIGATION MAINLINE: POLYFLEX PIPE SDR-9-CTS	679.6 LF	
	PIPE SLEEVE: PVC SCHEDULE 40	535.7 LF	

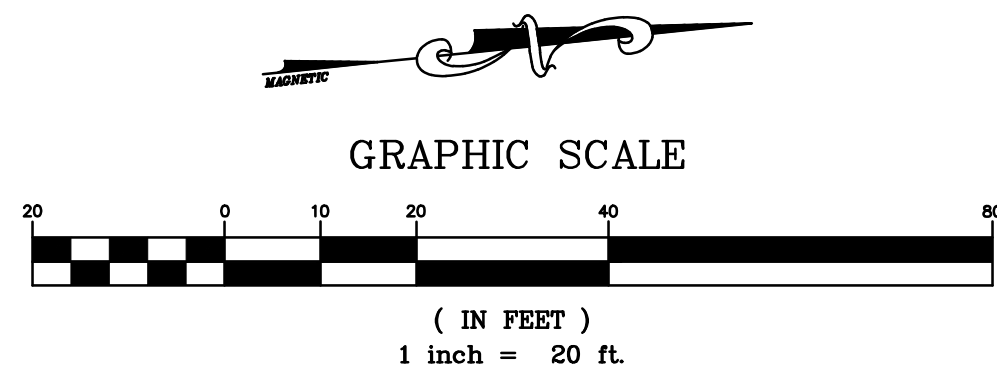


IRRIGATION ROUTING SHOWN ON THIS PLAN IS FOR DEMONSTRATION PURPOSES ONLY. IRRIGATION CONTRACTOR SHOULD FIELD RUN THE IRRIGATION SYSTEM IN THE MANNER OF AVOIDING ANY CONFLICT WITH PROPOSED/EXISTING DRAINAGE STRUCTURES AND UNDERGROUND UTILITIES.

ALL IRRIGATION EQUIPMENT IS TO BE RAINBIRD ONLY, NO SUBSTITUTIONS.

GENERAL IRRIGATION NOTES:

- THE CONTRACTOR SHALL PROVIDE A FULLY FUNCTIONAL IRRIGATION SYSTEM AS SHOWN ON THE PLANS. IRRIGATION HEADS SHALL PROVIDE 100% COVERAGE OF THE AREA TO BE IRRIGATED.
- ALL QUESTIONS CONCERNING THE PLANS, DETAILS OR SPECIFICATIONS SHALL BE DIRECTED TO THE PROJECT LANDSCAPE ARCHITECT, (404) 601 4000.
- THE SOURCE OF WATER FOR THE IRRIGATION SYSTEM SHALL BE: 1\" NON-POTABLE WATER METER, SEE CIVIL DRAWINGS.
- THE CONTRACTOR SHALL FIELD VERIFY THE CAPABILITY OF THE WATER SOURCE TO DELIVER A MINIMUM PRESSURE (75 PSI) AND VOLUME (20 GPM) TO OPERATE THE IRRIGATION SYSTEMS AS DESIGNED. IN THE EVENT OF DISCREPANCIES CONTACT THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. IF PRESSURE IS GREATER THAN 100 PSI, A PRESSURE REDUCING VALVE SHALL BE INSTALLED FOR SAFE OPERATION OF THE IRRIGATION SYSTEM.
- ALL NECESSARY PERMITS (INCLUDING RIGHT OF WAY USE PERMIT) ARE TO BE PROVIDED BY THE INSTALLING CONTRACTOR FOR WORK SHOWN ON THE PLANS.
- ALL COMPONENTS OF THE PROPOSED IRRIGATION SYSTEM SHALL MEET THE FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND ORDINANCES CONCERNING IRRIGATION CONSTRUCTION.
- IN AN EFFORT TO CREATE GRAPHIC CLARITY, IRRIGATION MAINLINE, LATERAL LINE, VALVES AND OTHER COMPONENTS OF THE IRRIGATION SYSTEM MAY BE SHOWN IN PAVED AREAS OR INSIDE BUILDINGS ON THE PLANS. THESE COMPONENTS ARE TO BE INSTALLED IN APPROPRIATE LANDSCAPE AREAS TO CARRY OUT THE INTENT OF THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND PROTECTION OF ALL UNDERGROUND AND OVERHEAD UTILITIES.
- THE CONTRACTOR SHALL REVIEW THE LANDSCAPE PLANS PRIOR TO INSTALLING THE IRRIGATION SYSTEM. COORDINATE INSTALLATION LOCATIONS OF PIPES, VALVES AND OTHER EQUIPMENT WITH THE INSTALLATION LOCATIONS OF TREES AND SHRUBS.
- AS-BUILT DRAWINGS ARE TO BE PROVIDED BY THE CONTRACTOR. DRAWINGS SHALL BE ON OWNER FURNISHED BASE PLANS IN HARD COPY OR ELECTRONIC VERSIONS. CONTRACTOR SHALL NOTE ALL DEVIATIONS FROM THE IRRIGATION PLANS.
- MAINLINE IS TO BE INSTALLED WITH A MINIMUM OF 18\" DEPTH OF COVER, AND LATERAL LINES ARE TO BE INSTALLED WITH A MINIMUM OF 12\" DEPTH OF COVER.
- SLEEVEING IS TO BE PROVIDED BY THE CONTRACTOR (UNLESS OTHERWISE SPECIFICALLY STATED IN THE SPECIFICATIONS OR BID DOCUMENTS).
- THE CONTRACTOR SHALL PROVIDE OPERATING MAINTENANCE INSTRUCTIONS AND OPERATION MANUALS TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT.
- OWNER SHALL PROVIDE 110 VOLT POWER TO THE CONTROLLER LOCATION. ELECTRICAL CONNECTION FROM POWER SOURCE TO CONTROL CLOCK IS TO BE PROVIDED BY THE CONTRACTOR (UNLESS OTHERWISE SPECIFICALLY STATED IN THE SPECIFICATIONS OR BID DOCUMENTS). CONTRACTOR SHALL COORDINATE INSTALLATION LOCATION OF CONTROL CLOCK WITH OWNER OR OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL INSTALL AN INLINE 120VAC-15A LIGHTNING SURGE PROTECTOR BETWEEN THE POWER SOURCE AND THE CONTROLLER. GROUND EACH CONTROLLER TO A 5/8\" X 8\" COPPER CLAD GROUND ROD WITH AWG #6 BARE SOLID COPPER WIRE. A PROPER GROUND SHALL HAVE 10 OHMS OR LESS RESISTANCE TO EARTH. USE OF MULTIPLE GROUND RODS MAY BE NECESSARY TO ACHIEVE THE DESIRED RESISTANCE READING.
- CONTRACTOR SHALL LABEL LOCATION AND HEAD TYPE FOR EACH ZONE IN THE IRRIGATION SYSTEM ON THE INSIDE OF THE CONTROLLER DOOR. SUGGESTED ZONE RUN TIME SHALL BE INDICATED. ALL ZONE VALVES SHALL HAVE PERMANENT (PLASTIC OR METAL) TAGS ATTACHED TO THE VALVE CORRESPONDING TO THE NUMBER OF THE ZONE ON THE CONTROLLER.
- CONTROL CLOCKS SHALL BE PROGRAMMED TO INCLUDE A WATERING SCHEDULE THAT PROVIDES 1\" OF WATER PER WEEK DURING THE MONTHS APRIL TO NOVEMBER AND PROVIDES 1\" OF WATER EVERY TWO WEEKS DURING THE MONTHS DECEMBER TO MARCH. THE ZONE RUN TIME SHALL BE SEQUENCED FOR THE LOCAL WATERING RESTRICTIONS AS PROGRAM 'A'. PROGRAM 'B' SHALL BE SET AS THE WATER ESTABLISHMENT PERIOD WATERING SCHEDULE IN COOPERATION WITH THE LANDSCAPE CONTRACTOR.
- THE RAIN SHUT-OFF DEVICE SHALL BE INSTALLED TO MEET LOCAL CODES. CONTRACTOR SHALL LOCATE DEVICE SO THAT OBSTRUCTIONS DO NOT ALTER THE ACCURATE MONITORING OF RAINFALL AT THE PROJECT SITE. ALL WIRING TO THE DEVICE SHALL BE ENCLOSED IN 1/2\" PVC ELECTRICAL CONDUIT.
- 12\" POP-UP SPRAY (OR ROTOR) HEADS SHALL BE INSTALLED IN ALL GROUNDCOVER BEDS AND MASSES OF SHRUBS NOT EXCEEDING 22 INCHES HEIGHT.
- 6\" POP-UP SPRAY HEADS SHALL BE INSTALLED IN ALL TURF AREAS. ROTOR HEADS IN TURF AREAS TO BE 6\" POP-UPS.
- THE CONTRACTOR SHALL ADJUST ALL HEADS TO PROVIDE OPTIMUM COVERAGE AND MINIMIZE OVERTHROW ONTO PAVED SURFACES. ADJUSTABLE NOZZLES SHALL BE USED IN AREAS WHERE FIXED SPRAY PATTERNS WILL RESULT IN OVERTHROW ONTO PAVED SURFACES. ADJUST PRESSURE REGULATING VALVES TO PREVENT MISTING FROM HEADS.
- VALVE BOXES SHALL BE SIZED TO ACCOMMODATE INSTALLATION AND MAINTENANCE OF ZONE VALVE(S). THE VALVE BOX SHALL HAVE A 3\" DEEP LAYER OF 1/2\" DIAMETER GRAVEL AS A SUMP INSTALLED 2\" BELOW THE BOTTOM OF THE VALVE. VALVE BOXES SHALL BE INSTALLED SO THAT THE TOP OF THE BOX IS NO MORE THAN 1.5 INCH ABOVE FINISH GRADE AND SET PARALLEL TO THE SURROUNDING GRADE.
- ALL 24 VOLT CONTROL WIRING SHALL BE UL LISTED, SINGLE STRAND, TYPE UF 600 VOLT CONTROL CABLE. COMMON WIRES TO BE WHITE, AWG #12 OR LARGER WIRE. HOT WIRES TO BE RED, AWG #14 OR LARGER WIRE. SPARE WIRES TO BE ANY COLOR WIRE EXCEPT GREEN, RED OR WHITE, AWG #14 OR LARGER WIRE.
- ALL SPLICES TO THE 24 VOLT CONTROL WIRING SHALL BE MADE WITH KING TECHNOLOGY (KING 6) SILICONE FILLED SAFETY CONNECTORS.
- SHRUB RISERS SHALL ONLY BE INSTALLED IN HEDGES OR MASS PLANTINGS ABUTTING VERTICAL WALLS OR OBJECTS AND NOT EXTEND MORE THAN 6\" ABOVE THE HEIGHT OF THE SHRUBS. IN NO CASE SHALL RISERS BE INSTALLED DIRECTLY ADJACENT TO CURBS, SIDEWALKS OR OTHER VEHICULAR ACCESS WAYS. IF RISERS ARE TO BE USED IN HEDGES ABUTTING PARKING AREAS WITHOUT CONCRETE WHEEL STOPS, THEY MUST BE PLACED A MINIMUM OF 30 INCHES AWAY FROM THE EDGE OF PAVEMENT TO PROTECT THE RISER FROM DAMAGE BY VEHICULAR OVERHANG. ALL RISERS ARE TO BE PAINTED BLACK.
- MAINLINE PIPING SHALL HAVE THRUST BLOCKS SIZED AND PLACED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. THRUST BLOCKS SHALL BE INSTALLED AT ALL CHANGES IN DIRECTION, REDUCTION IN PIPE SIZE, AND END CAPS ON THE MAINLINE.



GF

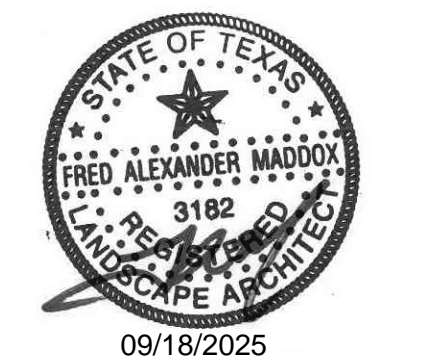
1230 Peachtree Street, NE
Suite 2900
Atlanta, GA 30309
t: 404 601 4000

COPYRIGHT NOTICE
This drawing is the property of the above referenced Professional and is not to be used for any purpose other than the specific project and site names herein, and cannot be reproduced in any manner without the express written permission from the Professional.

PROJECT TEAM
CIVIL ENGINEERING
GF
ARCHITECT
GF
STRUCTURAL ENGINEERING
GF
MECHANICAL ENGINEERING
GF
ELECTRICAL ENGINEERING
GF

ISSUE/REVISION RECORD
DATE DESCRIPTION
10.14.2022 60% SUBMISSION
11.15.2022 100% SUBMISSION
09.18.2025 RESUBMITTAL

PROFESSIONAL SEAL



PROFESSIONAL LICENSE NO.: 3182
PROFESSIONAL IN CHARGE
ALEX MADDOX
PROJECT MANAGER
RS
QUALITY CONTROL
RS
DRAWN BY
NN
PROJECT NAME



902 SOUTH TEXAS AVENUE
BRYAN, TEXAS 77803

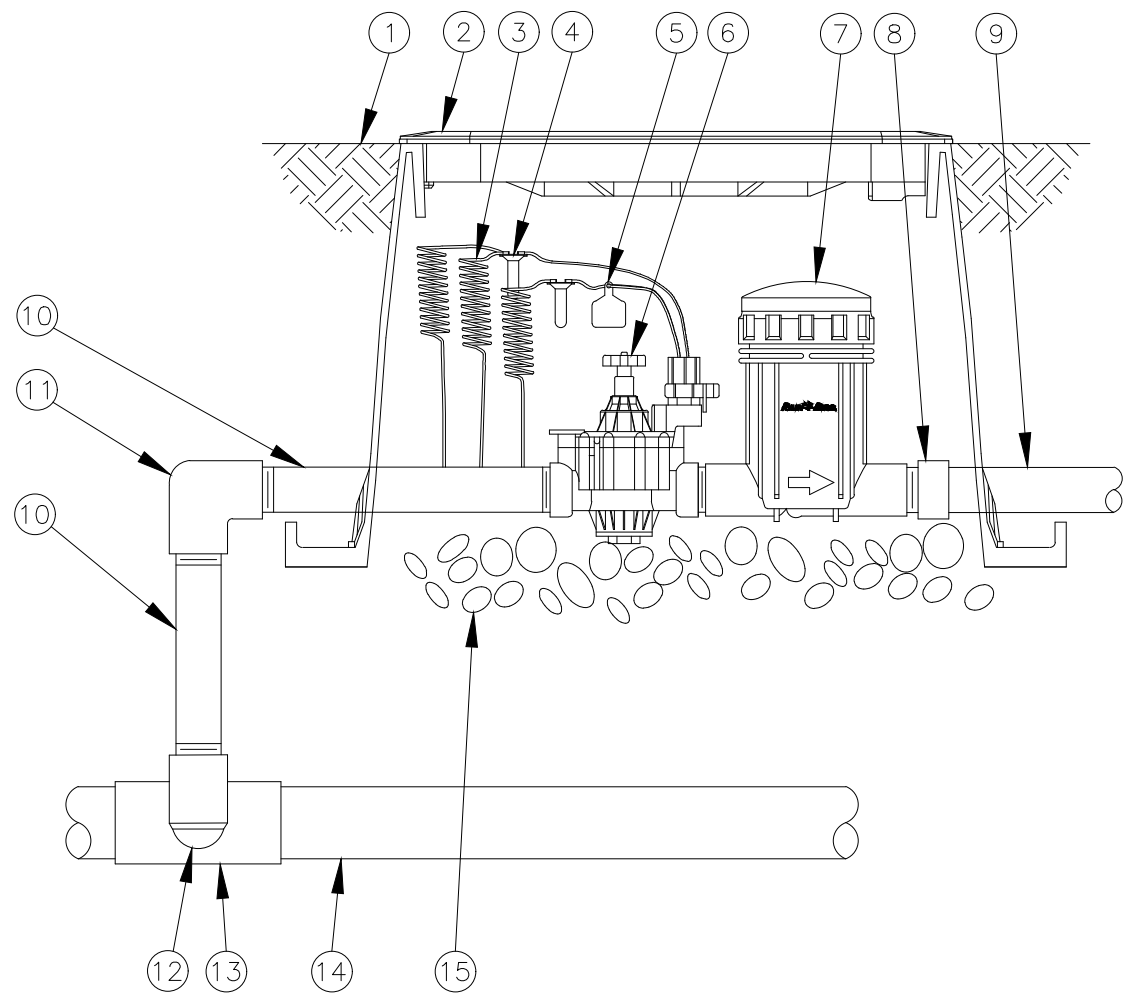
PROJECT NUMBER
20220849.0
SHEET TITLE

IRRIGATION PLAN

SHEET NUMBER

IR-1.0

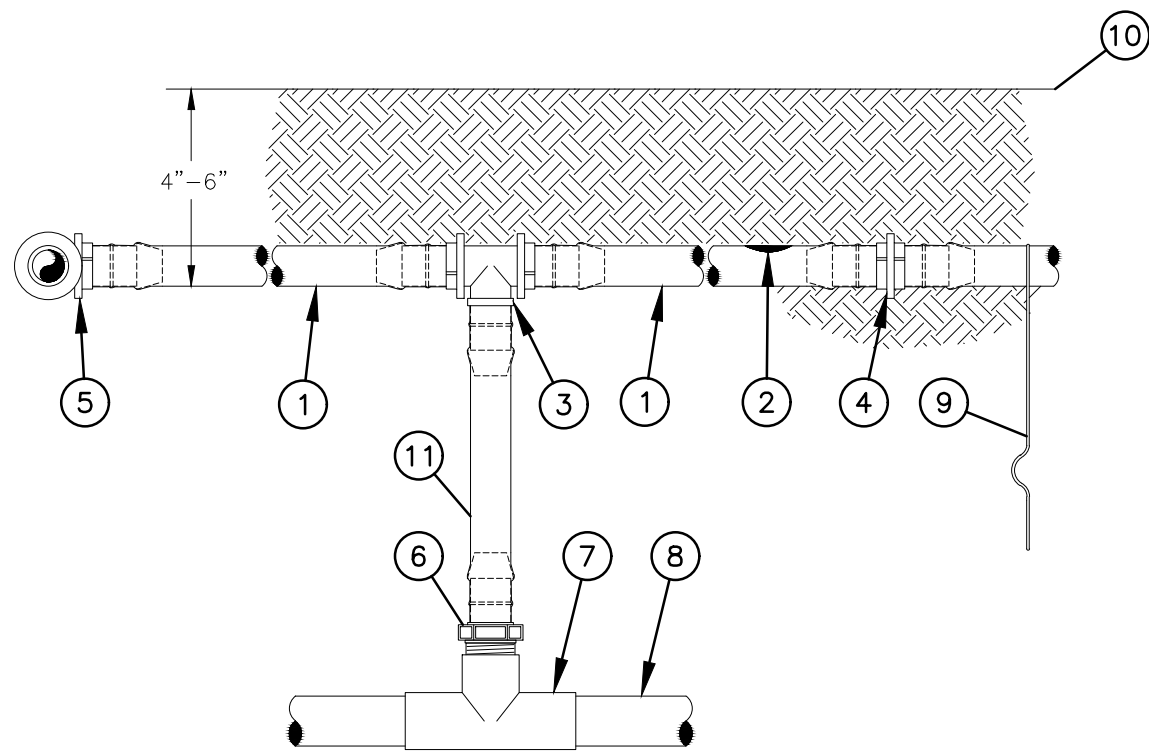




- 1 FINISH GRADE/TOP OF MULCH
- 2 VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- 3 30-INCH LINEAR LENGTH OF WIRE,
COILED
- 4 WATERPROOF CONNECTION:
RAIN BIRD DB SERIES
- 5 ID TAG
- 6 REMOTE CONTROL VALVE:
RAIN BIRD 100-PGA
(INCLUDED IN CZK-100-PRB-LC KIT)
- 7 PRESSURE REGULATING BASKET FILTER:
RAIN BIRD PRB-100
(INCLUDED IN CZK-100-PRB-LC KIT)
- 8 PVC SCH 40 FEMALE ADAPTOR
- 9 LATERAL PIPE
- 10 POLYFLEX PIPE SDR 9 CTS (LENGTH AS
REQUIRED)
- 11 PVC SCH 40 ELL
- 12 PVC SCH 80 NIPPLE (2-INCH LENGTH,
HIDDEN) AND PVC SCH 40 ELL
- 13 PVC SCH 40 TEE OR ELL
- 14 MAINLINE PIPE
- 15 3-INCH MINIMUM DEPTH OF 3/4-INCH
WASHED GRAVEL

1 XCZ-100-PRB-LC CONTROL ZONE KIT

SCALE: NTS



NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. SAVE YOUR HANDS. USE THE RAIN BIRD FITTINGS-TOOL XF INSERTION TOOL FOR FITTING ASSEMBLY.

- 1 ON-SURFACE DRIPLINE:
RAIN BIRD XF SERIES DRIPLINE
POTABLE: XFS DRIPLINE
NON-POTABLE: XFSP DRIPLINE
- 2 INLINE DRIP EMITTER OUTLET, SEE PLANS
FOR DRIPLINE OUTLET SPACING.
- 3 BARB TEE 17x17x17mm
RAIN BIRD XFF-TEE
- 4 BARB COUPLING 17x17mm
RAIN BIRD XFF-COUP
- 5 BARB ELBOW 17x17mm
RAIN BIRD XFF-ELBOW
- 6 BARB MALE ADAPTER
17mm X 1/2" MPT
RAIN BIRD XFF-MA-050
17mm X 3/4" MPT
RAIN BIRD XFF-MA-075
- 7 PVC TEE SxSxT
- 8 POLYFLEX PIPE SDR 9 CTS LATERAL
SUPPLY HEADER
- 9 TIE DOWN STAKE:
RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- 10 FINISH GRADE
- 11 RAIN BIRD XF SERIES BLANK TUBING
LENGTH AS REQUIRED

2 XFS SUB-SURFACE DRIPLINE

SCALE: NTS

NOTE: LATERAL LINE - POLYFLEX PIPE SDR 9 CTS
MAINLINE - POLYFLEX PIPE SDR 9 CTS

NOTE: ALL IRRIGATION EQUIPMENT IS TO BE RAINBIRD, NO SUBSTITUTIONS



Know what's below.
Call before you dig.



1230 Peachtree Street, NE
Suite 2900
Atlanta, GA 30309
t: 404 601 4000

COPYRIGHT NOTICE
This drawing is the property of the above referenced Professional and is not to be used for any purpose other than the specific project and site names herein, and cannot be reproduced in any manner without the express written permission from the Professional.

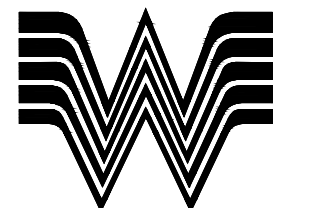
PROJECT TEAM
CIVIL ENGINEERING
GF
ARCHITECT
GF
STRUCTURAL ENGINEERING
GF
MECHANICAL ENGINEERING
GF
ELECTRICAL ENGINEERING
GF

ISSUE/REVISION RECORD
DATE DESCRIPTION
10.14.2022 60% SUBMISSION
11.15.2022 100% SUBMISSION
09.18.2025 RESUBMITTAL

PROFESSIONAL SEAL



PROFESSIONAL LICENSE NO:
3182
PROFESSIONAL IN CHARGE
ALEX. MADDOX
PROJECT MANAGER
RS
QUALITY CONTROL
RS
DRAWN BY
NN
PROJECT NAME



WHATABURGER.

**902 SOUTH TEXAS AVENUE
BRYAN, TEXAS 77803**

PROJECT NUMBER
20220849.0
SHEET TITLE

**IRRIGATION
DETAILS**

SHEET NUMBER

IR-1.2