

ILLINOIS ROUTE 59

FOX RIVER COMMONS ENTRANCE

SERVICE ROAD

PROPOSED BUILDING
2,668 SF

ELECTRIC METER ON WEST SIDE OF BUILDING. EXACT LOCATION TBD.

ANNUAL HANGING PLANTERS BY OWNER.

TREE REPLACEMENT CALCULATIONS

REMOVED TREES	REQUIRED	PROVIDED
MAPLE (6" DBH)	3 REPLACEMENT TREES	3
SPRUCE (12" DBH)	5 REPLACEMENT TREES	5
ORNAMENTAL (6" DBH)	3 REPLACEMENT TREES	3
ORNAMENTAL (8" DBH)	3 REPLACEMENT TREES	3
MAPLE (6" DBH)	3 REPLACEMENT TREES	3

LEGEND

	KENTUCKY BLUEGRASS BLEND (SEED)
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LANDSCAPE & RESTORATION PLAN NOTES:

- FINE GRADE AND SEED DISTURBED AREA, INCLUDE EROSION CONTROL BLANKET. SEED LIMIT IS APPROXIMATE. SEED TO LIMITS OF GRADING AND DISTURBANCE. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISTURBANCE OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- THE CONTRACTOR SHALL WATER ALL NEWLY SEEDED AREAS FOR 60 DAYS AFTER INSTALLATION OR UNTIL A SATISFACTORY STAND OF GRASS HAS BEEN ESTABLISHED AND THE SITE HAS BEEN TURNED OVER TO THE OWNER.
- ALL QUANTITIES ARE FOR REFERENCE. CONTRACTOR TO VERIFY QUANTITIES WITH PLANS PRIOR TO BIDDING.
- ALL PLANTING BEDS SHALL HAVE A 3" CULTIVATED EDGE. CURVED BEDLINES ARE TO BE SMOOTH AND CONTINUOUS AND NOT SEGMENTED. SEE DETAIL.
- SEE ALSO SPECIFICATIONS FOR PLANTING REQUIREMENTS.
- ALL LANDSCAPING MUST MAINTAIN A 18" SIDE CLEARANCE FROM ANY UNDERGROUND SERVICE CONDUCTOR.
- CLEARANCE TO TRANSFORMER PAD SHALL BE 5' FROM ALL SIDES, 10' FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION.
- AT ALL TIMES, CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN 4' OF THE FRONT AND 2' OF THE SIDES OF THE METER.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	AMGR	Amelanchier x grandiflora 'Robin Hill' / Robin Hill Apple Serviceberry	B & B	6' Ht. (min)	2
	CACA	Carpinus caroliniana / American Hornbeam	B & B	2.5" Cal	2
	CECN	Cercis canadensis / Eastern Redbud	B & B	6' Ht. (min)	5
OVERSTORY DECIDUOUS TREES					
	GIBI	Ginkgo biloba 'Autumn Gold' TM / Autumn Gold Maidenhair Tree	B & B	2.5" Cal	1
	GIBIP	Ginkgo biloba 'Princeton Sentry' / Princeton Sentry Maidenhair Tree	B & B	2.5" Cal	5
	GLTI	Gleditsia triacanthos inermis 'Draves' / Street Keeper® Honey Locust	B & B	2.5" Cal	17
	GYDO	Gymnocladia dioica 'McKBranded' / Decaf® Kentucky Coffeetree	B & B	2.5" Cal	1
	ULNH	Ulmus x 'New Horizon' / New Horizon Elm	B & B	2.5" Cal	2
UPRIGHT EVERGREEN SHRUB					
	THOC	Thuja occidentalis 'Emerald' / Emerald Arborvitae	B & B	6' Ht. (min)	14
DECIDUOUS SHRUBS					
	COBA	Cornus baileyi / Bailey's Red-twig Dogwood	B & B	36" Ht. (min)	33
	COSE	Cornus sericea 'Farrow' / Arctic Fire® Red-twig Dogwood	#3	24" Ht. (min)	7
	FOIN	Forsythia x intermedia 'Mindor' / Show Off® Forsythia	#3	24" Ht. (min)	22
	PHOU	Physocarpus opulifolius 'Little Devil' TM / Dwarf Ninebark	#3	18" Ht. (min)	47
	PHOS	Physocarpus opulifolius 'Seward' / Summer Wine® Ninebark	#5	24" Ht. (min)	19
	RHAR	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	#3	24" Dia. (min)	46
	VIJU	Viburnum x juddii / Judd Viburnum	B & B	36" Ht. (min)	13
EVERGREEN SHRUBS					
	JUCH	Juniperus chinensis 'Sea Green' / Sea Green Juniper	#5	24" Ht. (min)	12
PERENNIALS & GRASSES					
	HEHR	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	Cont.	#1 gal	20
	PAVI	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	Cont.	#1 gal	50
	SPHE	Sporobolus heterolepis / Prairie Dropseed	Cont.	#1 gal	119

LANDSCAPE CALCULATIONS

	REQUIRED	PROVIDED
PARKWAY TREES ONE TREE PER 40 LINEAR FEET OF STREET FRONTAGE	7 TREES (290 LF/40=7.25)	7 TREES
PERIMETER PLANTING ONE TREE PER 70 LINEAR FEET OF PROPERTY LINE	8 TREES (568 LF/70=4.2)	7 EXISTING TREES 3 TREES
PARKING LOT PERIMETER PLANTING 5' WIDE PLANTING BED WITH 30" HT. SHRUBS 4' O.C. 50% OF PARKING LOT PERIMETER ALONG PROPERTY LINES PLANTED	YES 349 LF (697 LF*5=348.5)	YES 558 LF
PARKING LOT ISLAND PLANTINGS ONE TREE PER 130 SF OF ISLANDS 50% SF OF ISLAND PLANTED	9 TREE (1158 SF/130=8.9) 579 SF (1158 SF*5=592)	9 TREES 1158 SF
FOUNDATION LANDSCAPING ONE PLANT PER 3 LINEAR FEET OF BUILDING	32 PLANTS (95 LF/3=31.7)	43 PLANTS



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CLIENT:
GUZMAN Y GOMEZ MEXICAN KITCHEN

CLIENT ADDRESS:
**795 EAST GOLF ROAD
SCHAUMBURG, IL 60173**

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:
GUZMAN Y GOMEZ MEXICAN KITCHEN

PROJECT LOCATION:
**844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY**

#	Date	Description
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
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Designed By: GWED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
LANDSCAPE PLAN

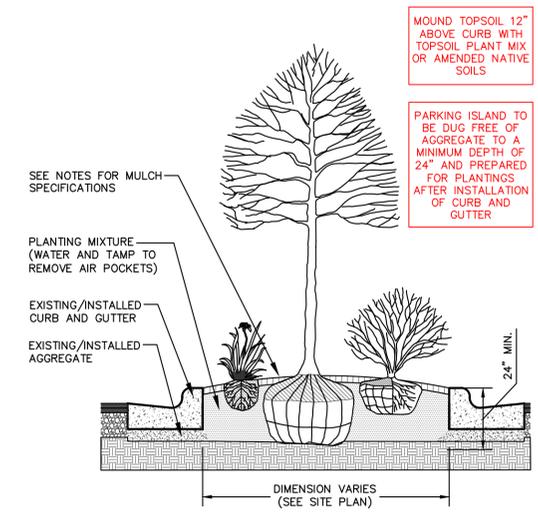
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JSD PROJECT NO: 2414769

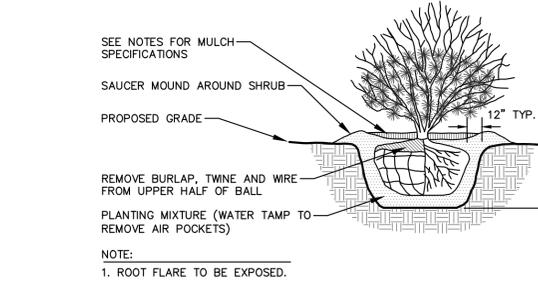
LANDSCAPE PLAN GENERAL NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND DIRECTIONS OF THE SPECIFICATIONS.
2. THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL WORK FROM DAMAGE BY OTHER UNTIL THE WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
3. THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
4. EXACT LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE DETERMINED AND IDENTIFIED IN THE FIELD BY THE LANDSCAPE CONTRACTOR PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL AVOID ALL EXISTING UTILITIES--UNDERGROUND AND OVERHEAD WHERE APPLICABLE. WHERE UNDERGROUND UTILITIES EXISTS, FIELD ADJUSTMENTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL.
6. ALL PLANT MATERIALS SHALL CONFORM TO THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, 230 SOUTHERN BUILDING, WASHINGTON D.C. 20005 (ANSI Z60.1).
7. ALL PLANTS OF THE SAME SPECIES SHALL BE OBTAINED FROM THE SAME NURSERY SOURCE.
8. THE LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREES AND OTHER LANDSCAPE FEATURES FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND SHALL CHECK FOR CORRECT SPACING BEFORE PLANTING.
9. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO THE LANDSCAPE ARCHITECT AS EACH PHASE OF WORK IS UNDERTAKEN PRIOR TO PLANTING OPERATIONS SO THAT THE LANDSCAPE ARCHITECT CAN BE PRESENT TO VERIFY PLANT SPECIES, SIZES AND OVERALL HEIGHT IMMEDIATELY PRIOR TO PLANTING. IF NOTICE IS NOT GIVEN BY THE CONTRACTOR, HE SHALL REMOVE/REPLACE PLANTS AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL EXPENSE TO THE OWNER.
10. PLANT TREES AND SHRUBS AFTER THE FINAL GRADES HAVE BEEN ESTABLISHED AND PRIOR TO THE PLANTING OF LAWNS UNLESS OTHERWISE DIRECTED BY THE OWNER. IF PLANTING OF TREES OCCURS AFTER LAWN WORK, THE LANDSCAPE CONTRACTOR SHALL PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGED LAWN RESULTING FROM PLANTING OPERATIONS.
11. ALL PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO THE NEW GRADE AS IT BORE TO THE GRADE AT THE NURSERY.
12. PRUNE BROKEN OR CROSS BRANCHING AT THE TIME OF PLANTING. DO NOT REMOVE CENTRAL LEADER.
13. FOR TREES PLANTED IN TURF AREAS, THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 6"-0" DIA. SHREDDED HARDWOOD BARK MULCH RING (REMOVE EXISTING TURF) AT A MINIMUM OF 3" THICK (AFTER SETTLEMENT) WITH A CULTIVATED EDGE AT THE BASE OF EACH TREE. MULCH SHALL BE PLACED WITHIN TWO (2) DAYS AFTER TREES ARE PLANTED. MULCH SHALL BE CONSIDERED INCIDENTAL TO TREE PLANTINGS. INCLUDE TERRA-SORB HYDROGEL CRYSTALS WITH PLANTING MIX.
14. TREES SHALL BE SET IN TRUE, VERTICAL ALIGNMENT AFTER PLANTING.
15. ALL PLANTS SHALL BE PLANTED PER THE LANDSCAPE PLAN, DETAILS AND SPECIFICATIONS. PLANTINGS NOT FOUND TO BE IN COMPLIANCE SHALL BE REPLANTED CORRECTLY, OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
16. ADJUST SHRUB, PERENNIAL, AND GROUNDCOVER SPACING AS NECESSARY TO EVENLY FILL PLANTING BEDS.
17. THE LANDSCAPE ARCHITECT OR OWNER RESERVES THE RIGHT TO REJECT PLANTS ON SITE WHETHER STOCK PILED OR PLANTED IN PLACE. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM SITE.
18. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.
19. WHERE PLANTING BEDS MEET TURF AREAS, THE CONTRACTOR SHALL PROVIDE A CULTIVATED EDGE. MULCH ALL SHRUB BEDS TO THE LINE SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL 3" LAYER OF SHREDDED HARDWOOD MULCH UNDER ALL TREE PLANTINGS AND SHRUB BEDS. (SUBMIT SAMPLE, SEE SPECS.)
20. AN APPROVED GRANULAR ORGANIC PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING BEDS AT A RATE SPECIFIED BY MANUFACTURER FOR EACH PLANT VARIETY.
21. THE LANDSCAPE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT INJURY TO ALL PLANT MATERIAL DURING DIGGING, HANDLING, PLANTING, AND MAINTENANCE OPERATIONS.
22. ALL PLANTS TO BE "HEELED IN" OR STORED ON-SITE AND SHALL BE GROUPED TOGETHER BY SPECIES AND SIZE AND SHALL BE COVERED WITH MULCH OR COMPOST TO PREVENT DESICCATION. DO NOT DELIVER ANY PLANTS THAT CANNOT BE PLANTED WITHIN FIVE (5) WORKING DAYS.
23. FOR ALL GROUNDCOVERS, ROTOTILL 2" OF SPHAGNUM PEAT INTO TOPSOIL TO A DEPTH OF 6" TO YIELD A HOMOGENOUS MIXTURE OF TOPSOIL AND PEAT.
24. GROUNDCOVER AREAS SHALL ONLY RECEIVE 1 1/2" SHREDDED HARDWOOD MULCH (NO FABRIC). CAREFULLY PLACE MULCH AROUND EACH PLANT BASE.
25. BERMS AND LANDFORMS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTORS SHALL UTILIZE EXISTING SUBSOIL AND TOPSOIL. THE CONTRACTOR SHALL GRADE AS SHOWN. THE CONTRACTOR SHALL BE AWARE OF SUCH QUANTITIES PRIOR TO SUBMITTING THE BID.
26. ALL EXCAVATED TOPSOIL SHALL BE RE-USED BY THE CONTRACTOR OR IF CONSTRUCTION YIELDS ADDITIONAL TOPSOIL, IT SHALL BE STOCKPILED ON SITE IN AN AREA DESIGNATED BY THE OWNER FOR RE-USE BY THE CONTRACTOR PRIOR TO IMPORTING NEW TOPSOIL (IF ANY).
27. ALL DISTURBED AREAS SHALL RECEIVE 6" MINIMUM OF TOPSOIL (COMPACTED). LANDSCAPE CONTRACTOR TO COORDINATE THEIR WORK WITH OTHER TRADES REGARDING FINISH GRADING. IF AVAILABLE, CONTRACTOR IS TO USE STOCKPILED TOPSOIL ONSITE. IF NOT AVAILABLE THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR IMPORTING THE TOPSOIL NECESSARY TO MEET FINISH GRADE.
28. TOPSOIL SHALL BE FERTILE, FRIABLE AND REPRESENTATIVE OF LOCAL PRODUCTIVE SOIL. CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH AND FREE OF CLAY LUMPS, SUBSOIL, NOXIOUS WEEDS OR OTHER FOREIGN MATTER SUCH AS STONES, ROOTS, STICKS AND OTHER EXTRANEOUS MATERIALS. NOT FROZEN OR MUDDY. PH OF TOPSOIL TO RANGE BETWEEN 5.5 AND 7.5.
29. FINE GRADE, FERTILIZE, AND SEED ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS AS SHOWN WITH EROSION CONTROL BLANKET. ALL TURF AREAS SHALL DRAIN COMPLETELY AND SHALL NOT POND NOR PUDDLE. ALL TURF AREAS SHALL RECEIVE 6" THICK BLACK TOPSOIL--ALLOW FOR SETTLEMENT.
30. DURING LANDSCAPE WORK, KEEP PAVEMENTS CLEAN AND WORK AREAS IN AN ORDERLY MANNER. REMOVE ALL DEBRIS FROM THE JOB SITE ON A DAILY BASIS.
31. ALL PLANT MATERIAL SHALL BE FULLY GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. DEAD OR UNHEALTHY PLANTS SHALL BE REPLACED AS SOON AS CONDITIONS PERMIT.
32. SUBSTITUTION OF PLANT MATERIAL DUE TO LACK OF AVAILABILITY MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. SUBSTITUTE PLANTS SHALL BE THE SAME SIZE, OR LARGER, AND OF EQUAL OR BETTER VALUE THAN THE ITEMS SPECIFIED. THE "EQUALITY" WILL REST WITHIN THE SOLE JUDGEMENT OF THE LANDSCAPE ARCHITECT.
33. ALL LANDSCAPE MATERIALS MUST BE MAINTAINED IN GOOD CONDITION, PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE, AND BE KEPT FREE OF REFUSE AND DEBRIS. ANY DEAD, UNHEALTHY, OR MISSING PLANTS MUST BE REPLACED WITHIN 60 DAYS OF NOTIFICATION, UNLESS AN EXTENSION IS APPROVED.
34. DORMANT SEED IN NOVEMBER WHEN GROUND IS NOT FROZEN, YET COLD ENOUGH SO GERMINATION WILL NOT OCCUR. BARE SOIL SHOULD BE LOOSENEED SO THE SEED CAN EASILY BE INCORPORATED INTO THE FIRST HALF-INCH OF THE SURFACE. WATER THOROUGHLY AND LEAVE UNTIL SPRING.

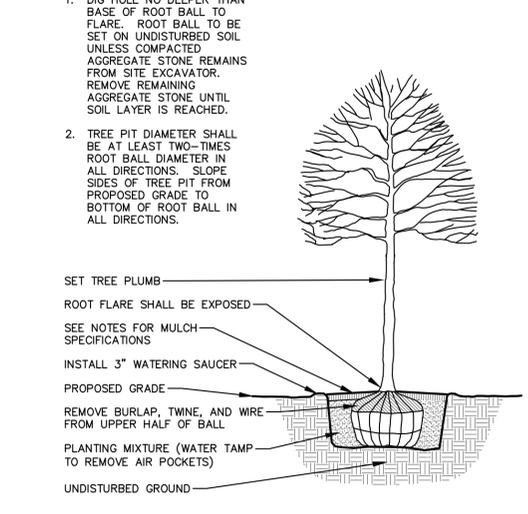
35. THE LANDSCAPE CONTRACTOR SHALL SUBMIT PHOTOGRAPHS OF ALL TAGGED PLANT MATERIAL PRIOR TO PURCHASE FOR APPROVAL OF THE OWNER/LANDSCAPE ARCHITECT.
36. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL UNTIL ESTABLISHED.



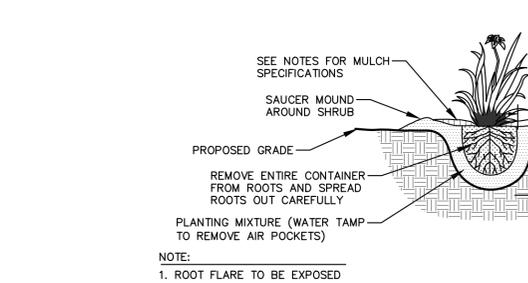
1 PARKING ISLAND LANDSCAPE DETAIL
L1.1 NTS



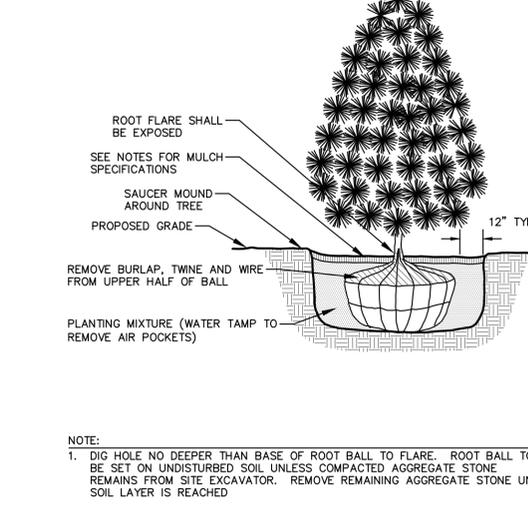
4 DECIDUOUS/EVERGREEN SHRUB
L1.2 NTS



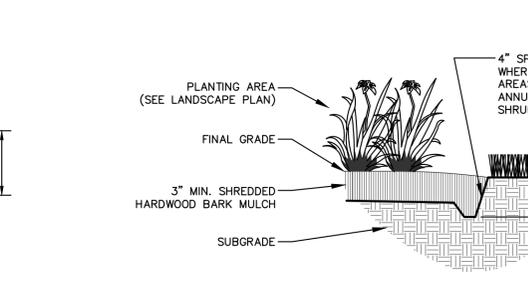
2 DECIDUOUS TREE
L1.1 NTS



5 PERENNIAL/ORNAMENTAL GRASS
L1.2 NTS



3 EVERGREEN TREE
L1.2 NTS



6 NATURAL SPADE EDGE
L1.1 NTS

NOTE:

1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED.
2. TREE PIT DIAMETER SHALL BE AT LEAST TWO-TIMES ROOT BALL DIAMETER IN ALL DIRECTIONS. SLOPE SIDES OF TREE PIT FROM PROPOSED GRADE TO BOTTOM OF ROOT BALL IN ALL DIRECTIONS.

- NOTE:**
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED

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REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:
**GUZMAN Y GOMEZ
MEXICAN KITCHEN**

PROJECT LOCATION:
**844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY**

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
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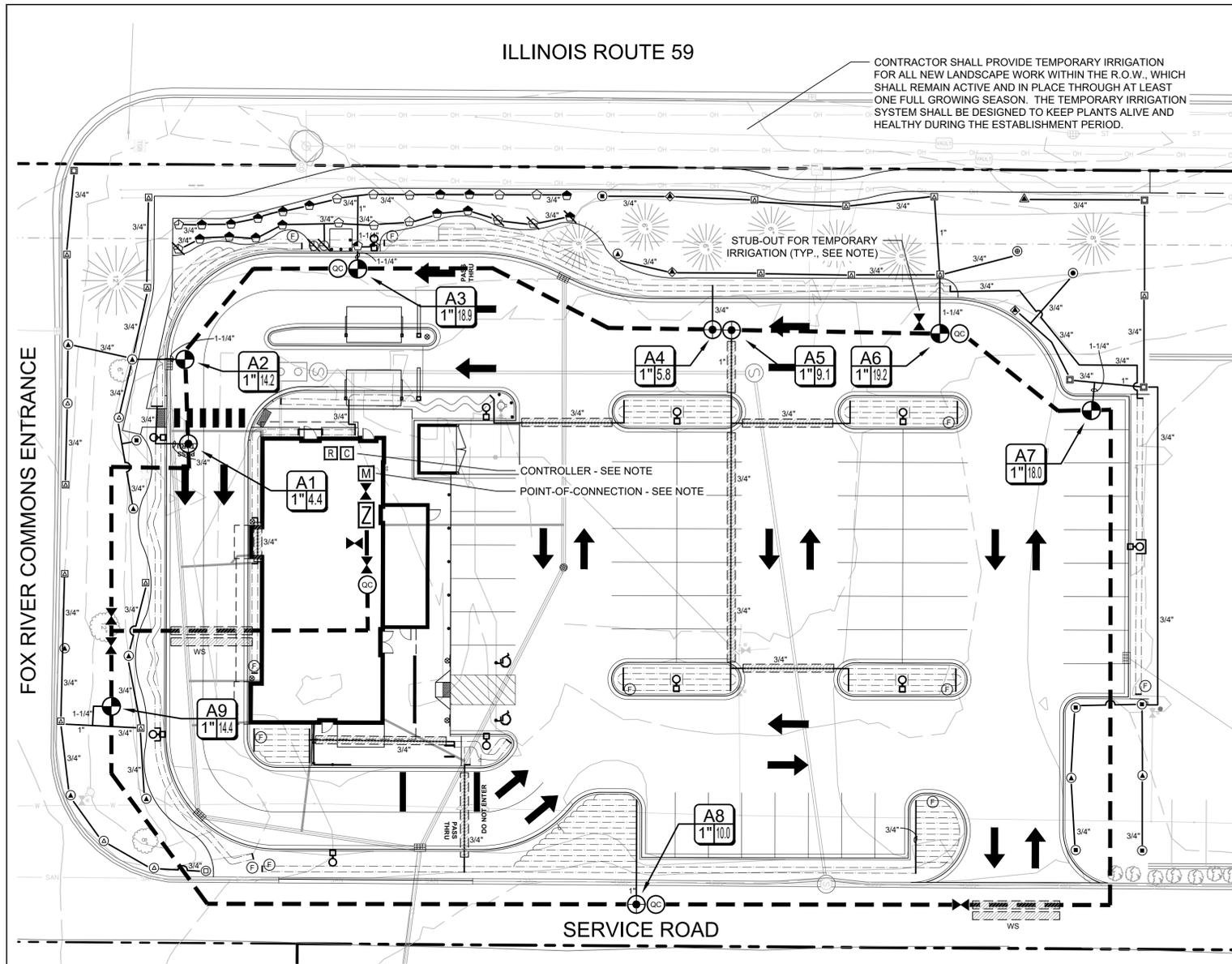
Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
**LANDSCAPE NOTES AND
DETAILS**

SHEET NUMBER:
L1.1

JSD PROJECT NO: 2414769

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ILLINOIS ROUTE 59

CONTRACTOR SHALL PROVIDE TEMPORARY IRRIGATION FOR ALL NEW LANDSCAPE WORK WITHIN THE R.O.W., WHICH SHALL REMAIN ACTIVE AND IN PLACE THROUGH AT LEAST ONE FULL GROWING SEASON. THE TEMPORARY IRRIGATION SYSTEM SHALL BE DESIGNED TO KEEP PLANTS ALIVE AND HEALTHY DURING THE ESTABLISHMENT PERIOD.

STUB-OUT FOR TEMPORARY IRRIGATION (TYP., SEE NOTE)

CONTROLLER - SEE NOTE
POINT-OF-CONNECTION - SEE NOTE

SERVICE ROAD

POINT-OF-CONNECTION NOTE

CONNECT MAINLINE DOWNSTREAM OF 1" WATER METER (BY OTHERS). VERIFY LOCATION IN FIELD.

CONTROLLER NOTE

LOCATE CONTROLLER AT LOCATION SHOWN ON PLAN. VERIFY LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE.

120 VAC POWER TO CONTROLLER LOCATION IS NOT WITHIN THE IRRIGATION CONTRACTOR'S SCOPE OF WORK, AND SHALL BE PROVIDED BY OTHERS. HOOK-UP OF CONTROLLER TO 120 VAC SHALL BE PERFORMED BY THE IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF WIRE SLEEVE PENETRATIONS THROUGH BUILDING WITH OWNER AND GENERAL CONTRACTOR. STATION RUN ORDER SHALL MATCH PLANS.

STUB-OUTS FOR TEMPORARY IRRIGATION

STUB-OUTS FOR TEMPORARY IRRIGATION SHALL CONSIST OF THE FOLLOWING:
1) BALL VALVE IN 6" ROUND VALVE BOX
2) FOUR CONTROL WIRES AND TWO COMMON WIRES RUN FROM CONTROLLER, TERMINATING IN A 36" LENGTH OF EACH WIRE COILED IN A SEPARATE 6" ROUND VALVE BOX ADJACENT TO BALL VALVE BOX

CONTRACTOR SHALL PROVIDE TEMPORARY IRRIGATION FOR ALL NEW LANDSCAPE WORK WITHIN THE R.O.W., WHICH SHALL REMAIN ACTIVE AND IN PLACE THROUGH AT LEAST ONE FULL GROWING SEASON. THE TEMPORARY IRRIGATION SYSTEM SHALL BE DESIGNED TO KEEP PLANTS ALIVE AND HEALTHY DURING THE ESTABLISHMENT PERIOD.

IRRIGATION LEGEND

SYMBOL	MANUF.	MODEL NO.	DESCRIPTION	REMARKS/DETAIL
CONTROLLERS AND SENSORS				
C	RAINBIRD	ESP4ME3	4-STATION CONTROLLER, INTERIOR WALL MOUNT, WITH TWO ESPSM6 MODULES	DETAIL AL2.1
R	RAINBIRD	WR2-RFC	RAIN/FREEZE SENSOR - MOUNT SENSOR ON EAVE OR PARAPET PER MANUFACTURER	DETAIL BL2.1
POINT OF CONNECTION				
M	---	---	1" WATER METER (BY OTHERS)	---
Z	FEBCO	MODEL LF825Y - 1"	BACKFLOW PREVENTER WITH LF650A Y-STRAINER. MOUNTED ON WALL IN UTILITY ROOM (LOCATION PER OWNER)	DETAIL CL2.1
VALVES				
CC	NIBCO	T-PP-600A	BALL VALVE, BRASS, FULL-PORT, LINE SIZE	DETAIL DL2.1
CC	RAINBIRD	33DLRC	QUICK COUPLER, 3/4"	DETAIL EL2.2
CC	RAINBIRD	XCZ-100-PRB-COM	DRIP CONTROL ZONE KIT (USE 30 PSI REGULATOR)	DETAIL FL2.2
CC	RAINBIRD	PEB SERIES	REMOTE CONTROL VALVE, SIZE PER PLAN	DETAIL GL2.2
MAIN LINE/ LATERALS & SLEEVES				
---	ANY APPROVED	---	PRESSURIZED PVC MAIN LINE, SCH. 40, 1-1/2"	DETAIL HL2.2
---	ANY APPROVED	---	NON-PRESSURIZED LATERAL LINE, CL. 200 PVC, SIZE AS NOTED ON PLAN	DETAIL HL2.2
---	ANY APPROVED	---	IRRIGATION SLEEVE, SCH. 40 PVC, MIN. TWICE SIZE OF PIPE TO BE INSERTED, ONE SLEEVE PER PIPE	DETAIL HL2.2
WS	ANY APPROVED	---	CONTROL WIRING SLEEVE, SCH. 40 PVC, 2"	DETAIL HL2.2
DRIP IRRIGATION				
---	RAINBIRD	XFS-06-18	LANDSCAPE DRIP LINE - SPACE LINES AT 18" O.C.	0.6 GPH 20 DETAILS I, JL2.2
F	ANY APPROVED	---	FLUSH VALVE - BALL VALVE IN VALVE BOX WITH 3' LENGTH OF TUBING	DETAIL KL2.3

NOTE: FOR EACH NEW TREE WITHIN AREAS COVERED BY LANDSCAPE DRIP LINE, ADD THREE PC-07 (OR EQUAL) EMITTERS WITH DIFFUSER CAPS, PER DETAILS

ROTORS & SPRAY HEADS			NOZZLE	RADIUS	G.P.M.	P.S.I.		
U	RAINBIRD	1806	POP UP SPRAY	U-8Q	8'	0.26	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	HE-VAN-08 (H)	8'	0.59	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	U-10Q	10'	0.41	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	U-10H	10'	0.82	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	HE-VAN-10 (Q)	10'	0.45	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	HE-VAN-10 (H)	10'	0.89	30	DETAIL LL2.3
U	RAINBIRD	1806	POP UP SPRAY	HE-VAN-15 (Q)	15'	0.93	30	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN18 (Q)	16'	0.47	35	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN18 (H)	16'	0.91	35	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN18 (F)	16'	1.67	35	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN24 (Q)	20'	0.65	35	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN24 (H)	20'	1.30	35	DETAIL LL2.3
R	RAINBIRD	1806-SAM-P45	POP UP ROTARY SPRAY	R-VAN24 (F)	20'	2.52	35	DETAIL LL2.3
R	RAINBIRD	5004	POP UP ROTOR	MPR-25Q	24'	0.88	35	DETAIL LL2.3
R	RAINBIRD	5004	POP UP ROTOR	MPR-25H	24'	1.73	35	DETAIL LL2.3
R	RAINBIRD	5004	POP UP ROTOR	MPR-30H	30'	2.59	35	DETAIL LL2.3
R	RAINBIRD	5004	POP UP ROTOR	MPR-35H	34'	3.33	35	DETAIL LL2.3

NOTES:
1) CONTRACTOR SHALL USE PC SCREENS ON FIXED SPRAY HEADS AS NEEDED TO ACHIEVE APPROPRIATE RADII.
2) CONTRACTOR SHALL ADJUST THE ARCS OF ROTARY NOZZLES AND ROTORS AS NECESSARY.

SLEEVING / WIRING NOTES:

IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, THE IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 2" DIA. AND CONTAIN NO MORE THAN 25 WIRES.

IRRIGATION DISCLAIMER

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IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINAL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR ONLY AND SHALL NOT BE CONSIDERED ABSOLUTE.

AUTOMATIC DRAIN VALVES AND AIR RELIEF VALVES

INSTALL AUTOMATIC DRAIN VALVES AT THE LOW POINTS OF EACH LATERAL LINE (MIN. 2 PER VALVE) AS PER DETAILS.

VALVE KEY



CREATE THE VISION TELL THE STORY

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CLIENT:
GUZMAN Y GOMEZ MEXICAN KITCHEN

CLIENT ADDRESS:
**795 EAST GOLF ROAD
SCHAUMBURG, IL 60173**

PROJECT:
GUZMAN Y GOMEZ MEXICAN KITCHEN

PROJECT LOCATION:
**844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY**

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3		
4		
5		
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15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
IRRIGATION PLAN

SHEET NUMBER:
L2.0

JSD PROJECT NO: 2414769



5/15/2025 EXPIRES 9/31/2025

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IRRIGATION SPECIFICATIONS

GENERAL

- A. QUALIFICATIONS OF IRRIGATION CONTRACTOR**
- ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE IRRIGATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, TESTING, AND MAINTENANCE OF THE IRRIGATION SYSTEMS. SEE THE IRRIGATION PLAN FOR SPECIFIC EQUIPMENT AND SYSTEM LAYOUT.
 - THE IRRIGATION CONTRACTOR MUST HAVE ON ITS STAFF A LICENSED IRRIGATION INSTALLER, AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION INSTALLER SHALL BE PRESENT AT THE PROJECT SITE AT ALL TIMES AS WORK IS IN PROGRESS. THE OWNER MAY DEMAND THAT WORK STOP UNTIL THE CONTRACTOR PROVIDES FOR A LICENSED IRRIGATION INSTALLER TO BE PRESENT AT THE PROJECT SITE AND SUPERVISING ALL IRRIGATION WORK.
 - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES, FEES, AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK SPECIFIED HEREIN AND/OR SHOWN ON THE IRRIGATION PLANS, NOTES, AND DETAILS.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS. IN CASE OF CONFLICT BETWEEN THESE PLANS AND LOCAL AND/OR STATE CODES, CODES SHALL PREVAIL.
 - THE INTENT OF THE IRRIGATION SYSTEM IS TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS. THE IRRIGATION PLAN IS GENERALLY DIAGRAMMATIC, COORDINATE IRRIGATION INSTALLATION WITH UTILITY INSTALLATIONS. ACTUAL LOCATION OF CONTROLLER, BACKFLOW DEVICE, PIPING, VALVES, SPRAY HEADS, DRIP IRRIGATION, AND RELATED EQUIPMENT MAY VARY FROM THE IRRIGATION PLAN TO BE ADJUSTED TO ACTUAL SITE CONDITIONS.
 - FOR CLARITY PURPOSES, SOME IRRIGATION LINES AND EQUIPMENT ARE SHOWN IN HARDCAPE AREAS WITHOUT ACCESS SLEEVES. THESE LINES SHALL BE INSTALLED IN A COMMON TRENCH OR AT THE BACK OF CURB IN LANDSCAPE AREAS. MINOR FIELD ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

PRODUCTS

- A. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEED ONE YEAR AGAINST MATERIAL DEFECTS OR DEFECTIVE WORKMANSHIP. ALL MATERIALS SHALL BE OF THE BRANDS AND TYPES NOTED ON THE DRAWINGS OR AS SPECIFIED HEREIN, OR APPROVED EQUAL. THE CONTRACTOR MUST FIRST OBTAIN APPROVAL FROM THE IRRIGATION DESIGNER FOR AN APPROVED EQUAL BEFORE INSTALLING SUCH MATERIALS IN THE FIELD, OR THE CONTRACTOR MAY BE REQUIRED TO REPLACE SUCH MATERIALS AT HIS OWN COST.**
- B. BACKFLOW PREVENTION DEVICES SHALL BE OF THE SIZE AND TYPE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION UNITS IN ACCORDANCE WITH IRRIGATION CONSTRUCTION DETAILS AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.**
- C. PIPING**
- PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION:
 - SCHEDULE 40 PVC FOR ALL PIPE 1-1/2" OR LESS
 - CLASS 315 PVC FOR ALL PIPE 2" TO 2-1/2"
 - CLASS 200 PVC, GASKETED, FOR ALL PIPE 3" AND LARGER
 - SLEEVING AND NON-PRESSURE LATERAL LINES (DOWNSTREAM FROM VALVES): CLASS 200 PVC
 - FITTINGS: SCH. 40 PVC, EXCEPT AS NOTED OTHERWISE.
- D. VALVES AND DRIP VALVE ASSEMBLIES: TYPE AND SIZE AS NOTED ON PLANS. EACH VALVE SHALL BEAR A PRE-MANUFACTURED, NUMBERED WATERPROOF TAG BEARING A NUMBER CORRESPONDING TO ITS VALVE SEQUENCE OF OPERATION ON THE CONTROLLER. THE OPERATION SEQUENCE SHALL MATCH THAT AS SHOWN ON THE PLANS.**
- E. QUICK COUPLERS, BALL VALVES, AND GATE VALVES: TYPE AND SIZE PER PLANS.**
- F. VALVE BOXES: TYPE AND SIZE AS NOTED ON DETAILS. ALL VALVE BOXES SHALL BE LOCKING BOLT-DOWN TYPE, FURNISHED WITH LIDS AND BOLTS. BOXES SHALL BE OF A SIZE TO CONTAIN THE ENTIRE VALVE AND/OR VALVE ASSEMBLY. THE VALVE BOX LID SHALL HAVE THE VALVE STATION NUMBER HEAT-BRANDED INTO THE LID WITH 2" HIGH LETTERS.**
- G. FIXED SPRAY HEADS AND ROTORS: PLASTIC BODY POP-UP WITH A REMOVABLE PLASTIC SPRAY NOZZLE. EXACT TYPE, MODEL, AND NOZZLE SHALL BE AS INDICATED ON PLANS.**
- H. INTEGRAL EMITTER DRIP TUBING: TUBING MODEL AND FLOW RATE AS NOTED ON PLANS, WITH INTEGRAL EMITTERS WELDED TO THE INSIDE WALL OF THE TUBING AS AN INTEGRAL PART OF THE TUBING ASSEMBLY.**
- I. AUTOMATIC CONTROLLER: TYPE AND MODEL PER PLANS. PROVIDE VANDAL-PROOF ENCLOSURE FOR ALL EXTERIOR INSTALLATIONS. PROVIDE LINE-VOLTAGE DISCONNECT SWITCH WITH GROUND FAULT PROTECTION.**
- J. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR IRRIGATION WIRE. EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR STATION AND COMMON WIRE.**
- STATION WIRE - ANY COLOR OR EXCEPT WHITE OR BLUE
 - COMMON WIRE - WHITE
 - EXTRA COMMON WIRES - BLUE
- K. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF COMPOUND OR GEL. ALL FIELD SPLICES SHALL BE LOCATED IN A 6 INCH ROUND VALVE BOX.**
- L. RAIN SENSOR: TYPE AND MODEL PER PLANS.**

METHODS

- A. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLANS. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST. ENSURE FIELD COORDINATION IS MADE EARLY ON IN THE CONSTRUCTION PHASE SO PLACEMENT LOCATION IS CORRECT.**
- B. THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE PLANS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY.**
- C. THE IRRIGATION CONTRACTOR SHALL NOT WILFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADES OR DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE IRRIGATION DESIGNER. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND NECESSARY COSTS. SEE UTILITY PLANS FOR IRRIGATION POINTS OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY.**
- E. THE IRRIGATION CONTRACTOR SHALL PAY ANY AND ALL FEES AND PERMITS ASSOCIATED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM.**
- F. AT LEAST SEVEN DAYS BEFORE BEGINNING WORK, CONFIRM THE STATIC WATER PRESSURE IS AT LEAST 55 PSI AND LESS THAN 70 PSI. IF STATIC WATER PRESSURE IS OUTSIDE OF THE STATED RANGE, DO NOT PROCEED WITHOUT FIRST NOTIFYING THE IRRIGATION DESIGNER AND OWNER IN WRITING, AND OBTAINING SUBSEQUENT DIRECTION FOR CORRECTIVE MEASURES. SHOULD THE IRRIGATION CONTRACTOR CHOOSE TO BEGIN THE INSTALLATION WITHOUT SUCH NOTIFICATION, THE IRRIGATION CONTRACTOR WILL ASSUME THE RESPONSIBILITY FOR ALL COSTS INCURRED TO ENSURE THE SYSTEM IS WORKING PROPERLY. NO CHANGE ORDERS WILL BE AUTHORIZED IN SUCH CIRCUMSTANCES.**
- G. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES.**
- H. COORDINATE WITH THE OWNER THE PROPOSED LOCATIONS OF THE AUTOMATIC CONTROLLER AND ANY REQUIRED SLEEVES THROUGH THE BUILDING FOR CONTROL WIRES.**
- I. TRENCHING NEAR EXISTING TREES**
- CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE GRADE AT THE TRUNK).
 - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
 - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER, WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WARP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
 - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.

J. BACKFILL

- ALL BACKFILL MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE OWNER. BACKFILL MATERIAL SHALL BE FREE FROM RUBBISH, ROCK LARGER THAN 1", LARGE STONES, BRUSH, SOIL, FROZEN MATERIAL OR OTHER UNSUITABLE SUBSTANCES THAT MAY DAMAGE PIPE DURING THE BACKFILLING OPERATIONS. SEPARATE OUT ROCKS LARGER THAN 1" IN ANY DIRECTION FROM EXCAVATED MATERIAL, AND REMOVE FROM AREAS TO RECEIVE LANDSCAPING. COVER FOR BOTH TOP AND SIDES OF PIPE SHALL BE A MINIMUM OF 2 INCHES OF ROCK-FREE SOIL, SAND, OR OTHER APPROVED MATERIAL.
- IN THE EVENT THAT THE MATERIAL FROM THE EXCAVATION OR TRENCHING IS FOUND TO BE UNSUITABLE FOR USE IN BACKFILL, IT SHALL BE REMOVED FROM THE SITE AND PROPERLY AND LEGALLY DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL THEN PURCHASE AND FURNISH SUITABLE BACKFILL MATERIAL CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND OR OTHER APPROVED MATERIALS FREE OF DEBRIS.

- K. BACKFLOW PREVENTER INSTALLATION: CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER SOURCES AT LOCATION SHOWN ON PLANS AND AS APPROVED BY THE OWNER, AND SHALL MAKE ANY MINOR CHANGES IN LOCATION AS MAY BE NECESSARY DUE TO ACTUAL SITE CONDITIONS. BACKFLOW PREVENTER HEIGHT SHALL BE AS PER LOCAL CODES AND IRRIGATION DETAILS. INSTALL A BRASS BALL VALVE IMMEDIATELY UPSTREAM OF THE BACKFLOW DEVICE TO SERVE AS AN ISOLATION VALVE. TO EVERY EXTENT POSSIBLE, INSTALL BACKFLOW PREVENTER IN A LOCATION SCREENED FROM PUBLIC VIEW (SUCH AS BEHIND A SHRUB ROW).**

- L. PIPING:**
- PIPE SIZE SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS FOR LARGER SIZES MAY BE APPROVED.
 - MAINLINE PIPE AND WIRES SHALL BE INSTALLED WITH A MINIMUM COVER OF 24 INCHES. LATERAL PIPE SHALL BE INSTALLED WITH A MINIMUM COVER OF 18 INCHES.
 - ASSEMBLE ALL THREADED FITTINGS WITH TEFLON TAPE, WHICH SHALL BE APPLIED TO MALE THREADS ONLY.
 - ALL SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH APPROVED SOLVENT-WELD PRIMER AND GLUE.
 - PIPE SHALL BE INSTALLED WITH A MINIMUM OF 4" HORIZONTAL CLEARANCE FROM ANY OTHER PIPE AND 2" VERTICAL CLEARANCE FROM ANY PIPES THAT CROSS OVER OR UNDER.

M. VALVES

- VALVES SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE IRRIGATION DETAILS.
- VALVE BOXES SHALL BE INSTALLED FLUSH WITH THE GRADE, WITH CLEAN PEA GRAVEL LOCATED BELOW THE VALVE AS NOTED ON THE DETAILS. LOCATE BOXES WITHIN 12 TO 24" OF SIDEWALKS OR LANDSCAPE EDGES, WITH TOPS OF BOXES 1" ABOVE FINISH GRADE IN TURF, AND 3" ABOVE FINISH GRADE IN SHRUB AREAS (TO AVOID BEING COVERED BY MULCH). EACH VALVE BOX COVER SHALL BE HEAT-BRANDED WITH THE CONTROLLER STATION NUMBER.
- DO NOT INSTALL MORE THAN TWO VALVES IN A JUMBO BOX.

- N. DRIP IRRIGATION: CONTRACTOR SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE IRRIGATION DETAILS.**
- SUBSURFACE DRIP LINES SHALL BE BURIED NO MORE THAN 2" BELOW FINISH GRADE.
 - DRIP LINES MOUNTED ON GRADE SHALL BE SECURED IN PLACE WITH WIRE STAPLES AT A MAXIMUM OF 48" ON CENTER.

O. SPRAY, ROTOR, AND BUBBLER HEADS:

- ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
- ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12 INCH MINIMUM LENGTH OF 1/2 INCH FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #78 SOLVENT AND #79 PRIMER. ALL ROTORS SHALL BE CONNECTED TO LATERAL LINES WITH PRE-MANUFACTURED SWING JOINTS.
- ALL ROTOR, SPRAY AND BUBBLER HEADS SHALL BE SET PERPENDICULAR AND FLUSH TO FINISH GRADE AND WITH A CLEARANCE OF FOUR INCHES (MINIMUM) FROM THE EDGE OF ANY BUILDINGS, WALLS, BOULDERS, AND HARDCAPE, UNLESS OTHERWISE SPECIFIED.
- ALL ROTOR, SPRAY AND BUBBLER HEADS AND VALVES SHALL BE FLUSHED AND ADJUSTED FOR OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ON WALKS, STREETS, WALLS, ETC.

- P. AUTOMATIC CONTROLLER:**
- INSTALL THE CONTROLLER AT THE LOCATION INDICATED BY THE OWNER. INSTALL CONTROLLER WITH A BACKUP BATTERY AS RECOMMENDED BY THE MANUFACTURER.
 - THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLER AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY.
 - ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER, WHERE SPLICES MAY BE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS. THE CONTRACTOR SHALL MAKE ALL SPLICES IN 6" ROUND VALVE BOXES WITH 3MS "DBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL SPLICES AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.
 - PROVIDE #18 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES.
 - CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3MS "DBY-DIRECT BURIAL SPLICE KIT" (UNLESS OTHERWISE SPECIFIED).
 - PROVIDE THREE ADDITIONAL IRRIGATION CONTROL WIRES ALONG EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF IRRIGATION CONTROLLERS.
 - THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING. (SEE SLEEVING NOTES).

- Q. INSTALL THE RAIN SENSOR IN THE VICINITY OF THE CONTROLLER, AND COORDINATE LOCATION WITH THE OWNER. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THE RAIN SENSOR IS PLACED IN A LOCATION WHERE IT CAN RECEIVE ADEQUATE RAINFALL WITHOUT OBSTRUCTIONS. IF IT IS PLACED IN AN INADEQUATE LOCATION, THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO RELOCATE IT AT NO ADDITIONAL COST TO THE OWNER.**
- R. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.**

S. QUALITY CONTROL

- PERFORM COVERAGE TESTS AFTER IRRIGATION SYSTEM IS COMPLETED, BUT PRIOR TO ANY PLANTING AND PERFORM TESTING IN THE PRESENCE OF THE IRRIGATION DESIGNER AND THE CONSTRUCTION MANAGER'S.
- TEST SYSTEM TO ASSURE THAT ALL LAWN AND PLANTING AREAS ARE WATERED COMPLETELY AND UNIFORMLY.
- MAKE ALL NECESSARY ADJUSTMENTS TO PROVIDE COMPLETE COVERAGE, INCLUDING REALIGNMENT OF HEADS AND REPLACEMENT OF NOZZLES.

T. CLEAN UP

- DURING IRRIGATION EXCAVATION AND INSTALLATION, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
- DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.

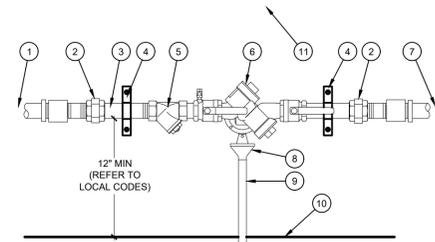
U. INSPECTION AND ACCEPTANCE

- UPON COMPLETION OF THE WORK, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE IRRIGATION CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
- WHEN THE INSPECTED WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
- THE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- CONTROLLER CHART: THE IRRIGATION CONTRACTOR SHALL PROVIDE A 11" X 17" COLOR-CODED, LAMINATED COPY OF THE IRRIGATION LAYOUT AND PLACE IT IN THE CONTROLLER'S COVER. THE CONTROLLER CHART SHALL CLEARLY DELINEATE THE AREAS COVERED BY EACH VALVE, USING A SEPARATE COLOR FOR EACH ZONE.
- TURN THE FOLLOWING ITEMS IN TO THE OWNER UPON COMPLETION OF THE INSTALLATION:
 - QUICK COUPLER KEYS (2)
 - CONTROLLER MANUAL (1)
 - CONTROLLER KEYS (2)
 - A MINIMUM OF (2) COPIES OF RECORD DRAWINGS. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

V. REFER TO THE PLANTING SPECIFICATIONS FOR ADDITIONAL CONDITIONS OF FINAL ACCEPTANCE AND START OF THE MAINTENANCE PERIOD.

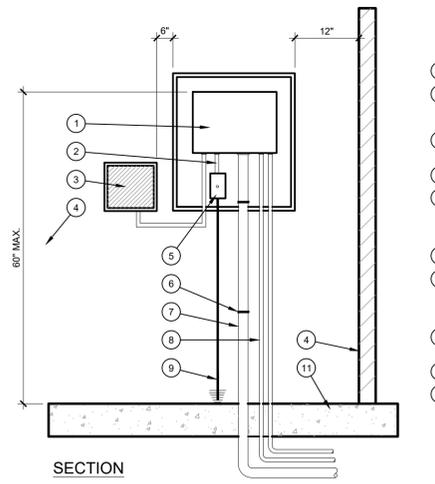
W. WARRANTY

- THE IRRIGATION SYSTEM SUPPLIED AND INSTALLED SHALL BE WARRANTED (LABOR AND MATERIALS) TO REMAIN OPERATIONAL FOR A PERIOD OF 12 MONTHS AFTER THE DATE OF FINAL ACCEPTANCE. DURING THIS PERIOD, THE CONTRACTOR SHALL ALSO REPAIR ANY SETTLEMENT OF THE IRRIGATION TRENCHES.
- BY THE END OF THE WARRANTY PERIOD, ANY IRRIGATION PART THAT IS EITHER NON-OPERATIONAL OR THAT IS OPERATING BELOW STANDARDS AS DETERMINED BY THE OWNER, SHALL BE REMOVED FROM THE SITE AND SHALL BE REPLACED. REPLACEMENTS SHALL BE OF THE SAME KIND AS SPECIFIED IN THE IRRIGATION LEGEND, AND SHALL BE INSTALLED AS ORIGINALLY SPECIFIED.
- IRRIGATION PARTS DAMAGED OR IMPAIRED DUE TO ACTS OF GOD, VANDALISM, AND/OR THE OWNER'S IMPROPER MAINTENANCE SHALL NOT BE COVERED BY THIS WARRANTY. SHOULD THE PERMITTING JURISDICTION REQUIRE AN IRRIGATION AUDIT, THE IRRIGATION CONTRACTOR SHALL RETAIN THE SERVICES OF A THIRD-PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR, AT NO ADDITIONAL COST TO THE OWNER.



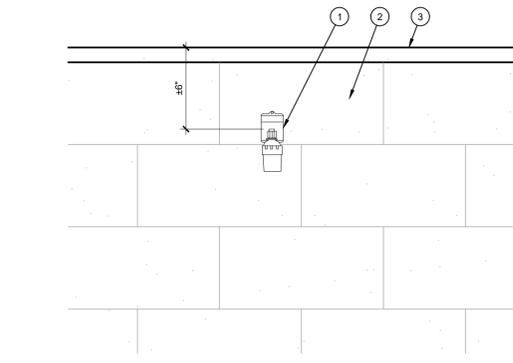
- 1** FROM POINT OF CONNECTION - SEE PLUMBING PLANS AND ADAPT AS NECESSARY. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES
- 2** BRASS UNION (TYPICAL)
- 3** BRASS NIPPLES (TYPICAL)
- 4** METAL STRAP - QUANTITY AS NEEDED, SECURE TO WALL PER ARCHITECT (TYPICAL)
- 5** BRASS WYE STRAINER WITH 60 MESH SCREEN
- 6** BACKFLOW PREVENTER UNIT
- 7** TO IRRIGATION SYSTEM
- 8** AIR GAP DRAIN, MODEL AGD-Y ATTACH TO BACKFLOW DEVICE PER MANUFACTURER
- 9** DRAIN PIPE, SCH. 40 PVC, 1" - CONNECT TO DRAINAGE SYSTEM
- 10** INTERIOR FLOOR
- 11** INTERIOR WALL

C BACKFLOW PREVENTER, RP, WALL MOUNT
SCALE: NTS



- 1** CONTROLLER PER LEGEND
- 2** 1/2" ELECTRICAL CONDUIT BETWEEN CONTROLLER AND ELECT. BOX CLAMP TO WALL
- 3** SENSOR MONITOR PANEL OR RECEIVER (WHERE OCCURS)
- 4** WALL (WHERE OCCURS)
- 5** 120 VOLT SERVICE IN WATERPROOF JUNCTION BOX WITH DISCONNECT SWITCH, INSTALL INSIDE STAINLESS ENCLOSURE
- 6** C-CLAMPS (TYP.)
- 7** CONDUIT(S) FOR 24 VOLT CONTROL WIRES. CLAMP TO WALL, USE 1 CONDUIT FOR 0-24 STATIONS, USE 2 CONDUITS FOR 25-48 STATIONS
- 8** SENSOR CABLES IN CONDUITS (WHERE OCCURS)
- 9** GROUNDING PER MANUFACTURER
- 10** FINISH FLOOR SURFACE

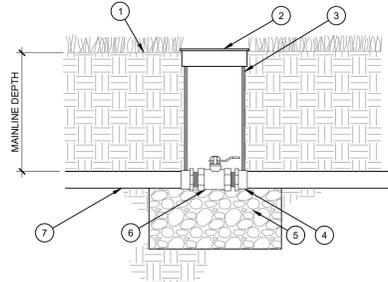
A CONTROLLER - WALL MOUNT, INDOOR
SCALE: NTS



- 1** FINISH GRADE AT 1" BELOW TOP OF BOX IN TURF AREAS. 2" BELOW TOP OF BOX IN SHRUB/GROUND-COVER AREAS
- 2** 9" ROUND VALVE BOX WITH LOCKABLE LID
- 3** EXTENSION SECTION AS NECESSARY TO MEET GRADE
- 4** PVC MALE ADAPTER
- 5** 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 6** BRASS BALL VALVE (SIZED PER MAINLINE)
- 7** IRRIGATION MAINLINE

B WIRELESS RAIN SENSOR, WALL/PARAPET MOUNT
SCALE: NTS

D BRASS BALL VALVE
SCALE: NTS



- 1** FINISH GRADE AT 1" BELOW TOP OF BOX IN TURF AREAS. 2" BELOW TOP OF BOX IN SHRUB/GROUND-COVER AREAS
- 2** 9" ROUND VALVE BOX WITH LOCKABLE LID
- 3** EXTENSION SECTION AS NECESSARY TO MEET GRADE
- 4** PVC MALE ADAPTER
- 5** 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 6** BRASS BALL VALVE (SIZED PER MAINLINE)
- 7** IRRIGATION MAINLINE

B WIRELESS RAIN SENSOR, WALL/PARAPET MOUNT
SCALE: NTS

- 1** RAIN/FREEZE SENSOR - MOUNT ON WALL OR PARAPET WITH BRACKET PER MANUFACTURER
- 2** WALL OR PARAPET
- 3** TOP OF WALL OR PARAPET

- NOTES:**
- DO NOT INSTALL SENSOR WHERE RAIN WILL BE BLOCKED (UNDER EAVES, UNDER TREES IN PROTECTED LOCATIONS, ETC.)
 - INSTALL SENSOR OUT OF PUBLIC VIEW TO EVERY EXTENT POSSIBLE



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CLIENT:
GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:
795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

PROJECT:
GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:
844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.26.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
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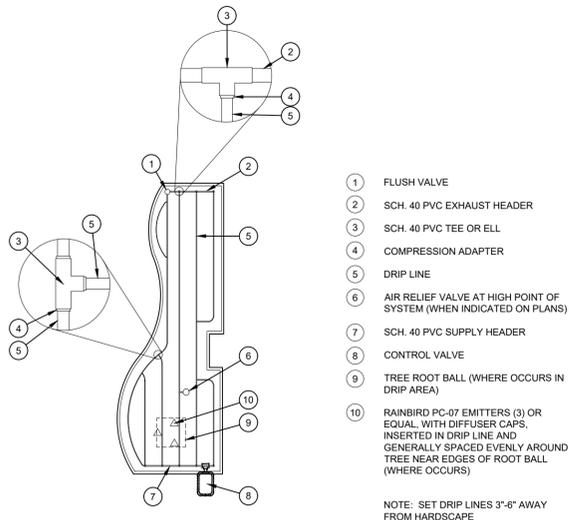
Designed By: GWED
Reviewed By: LVPP
Approved By: MK

IRRIGATION DETAILS AND SPECIFICATIONS

SHEET NUMBER:
L2.1

JSD PROJECT NO: 2414769

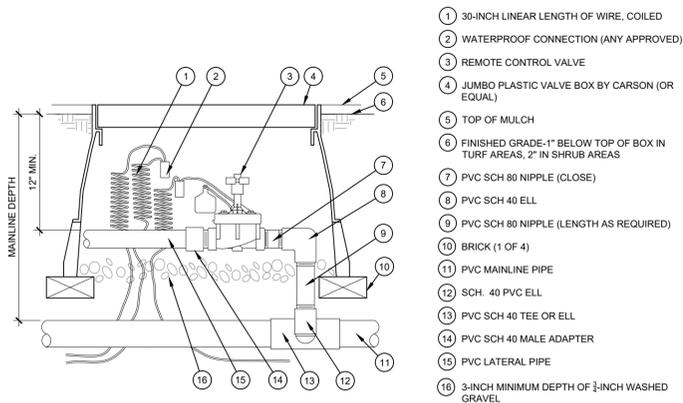
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- 1 FLUSH VALVE
- 2 SCH. 40 PVC EXHAUST HEADER
- 3 SCH. 40 PVC TEE OR ELL
- 4 COMPRESSION ADAPTER
- 5 DRIP LINE
- 6 AIR RELIEF VALVE AT HIGH POINT OF SYSTEM (WHEN INDICATED ON PLANS)
- 7 SCH. 40 PVC SUPPLY HEADER
- 8 CONTROL VALVE
- 9 TREE ROOT BALL (WHERE OCCURS IN DRIP AREA)
- 10 RAINBIRD PC-07 EMITTERS (3) OR EQUAL, WITH DIFFUSER CAPS, INSERTED IN DRIP LINE AND GENERALLY SPACED EVENLY AROUND TREE NEAR EDGES OF ROOT BALL (WHERE OCCURS)

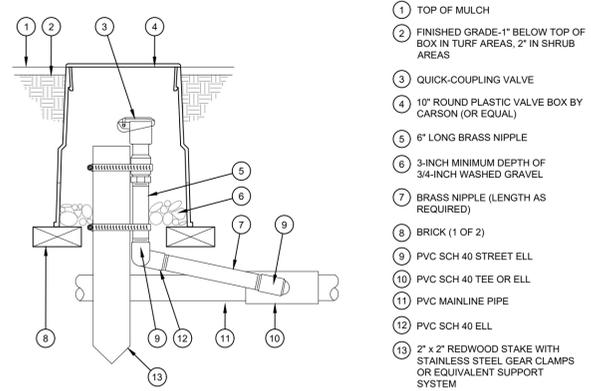
NOTE: SET DRIP LINES 3'-6" AWAY FROM HARDSCAPE

I SUBSURFACE DRIP LINE LAYOUT
SCALE: NOT TO SCALE



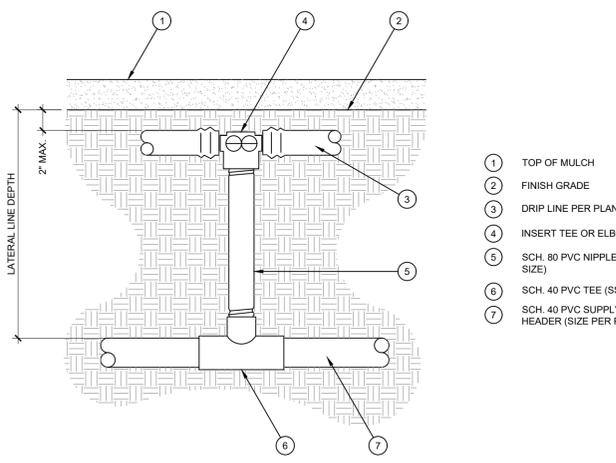
- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATERPROOF CONNECTION (ANY APPROVED)
- 3 REMOTE CONTROL VALVE
- 4 JUMBO PLASTIC VALVE BOX BY CARSON (OR EQUAL)
- 5 TOP OF MULCH
- 6 FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS, 2" IN SHRUB AREAS
- 7 PVC SCH 80 NIPPLE (CLOSE)
- 8 PVC SCH 40 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 BRICK (1 OF 4)
- 11 PVC MAINLINE PIPE
- 12 SCH. 40 PVC ELL
- 13 PVC SCH 40 TEE OR ELL
- 14 PVC SCH 40 MALE ADAPTER
- 15 PVC LATERAL PIPE
- 16 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

G REMOTE CONTROL VALVE
SCALE: NTS



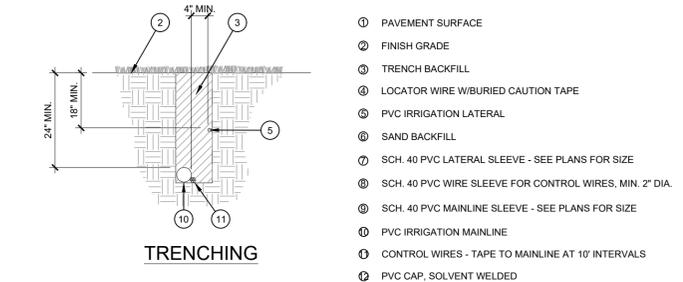
- 1 TOP OF MULCH
- 2 FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS, 2" IN SHRUB AREAS
- 3 QUICK-COUPLING VALVE
- 4 10" ROUND PLASTIC VALVE BOX BY CARSON (OR EQUAL)
- 5 6" LONG BRASS NIPPLE
- 6 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 7 BRASS NIPPLE (LENGTH AS REQUIRED)
- 8 BRICK (1 OF 2)
- 9 PVC SCH 40 STREET ELL
- 10 PVC SCH 40 TEE OR ELL
- 11 PVC MAINLINE PIPE
- 12 PVC SCH 40 ELL
- 13 2" x 2" REDWOOD STAKE WITH STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

E QUICK COUPLER
SCALE: NTS



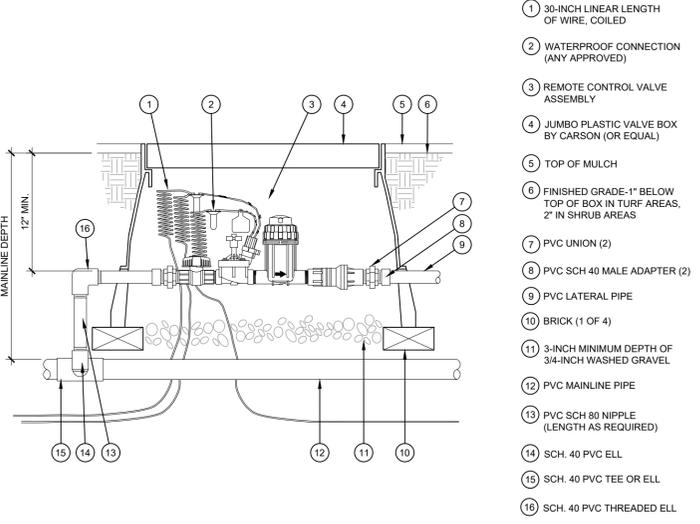
- 1 TOP OF MULCH
- 2 FINISH GRADE
- 3 DRIP LINE PER PLAN
- 4 INSERT TEE OR ELBOW
- 5 SCH. 80 PVC NIPPLE (LINE SIZE)
- 6 SCH. 40 PVC TEE (SST)
- 7 SCH. 40 PVC SUPPLY HEADER (SIZE PER PLAN)

J SUBSURFACE DRIPLINE CONNECTION
SCALE: NOT TO SCALE



- 1 PAVEMENT SURFACE
- 2 FINISH GRADE
- 3 TRENCH BACKFILL
- 4 LOCATOR WIRE W/BURIED CAUTION TAPE
- 5 SAND BACKFILL
- 6 SCH. 40 PVC LATERAL SLEEVE - SEE PLANS FOR SIZE
- 7 SCH. 40 PVC WIRE SLEEVE FOR CONTROL WIRES, MIN. 2" DIA.
- 8 SCH. 40 PVC MAINLINE SLEEVE - SEE PLANS FOR SIZE
- 9 PVC IRRIGATION MAINLINE
- 10 CONTROL WIRES - TAPE TO MAINLINE AT 10' INTERVALS
- 11 PVC CAP, SOLVENT WELDED

H PIPE AND SLEEVE INSTALLATION
SCALE: NTS



- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATERPROOF CONNECTION (ANY APPROVED)
- 3 REMOTE CONTROL VALVE ASSEMBLY
- 4 JUMBO PLASTIC VALVE BOX BY CARSON (OR EQUAL)
- 5 TOP OF MULCH
- 6 FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS, 2" IN SHRUB AREAS
- 7 PVC UNION (2)
- 8 PVC SCH 40 MALE ADAPTER (2)
- 9 PVC LATERAL PIPE
- 10 BRICK (1 OF 4)
- 11 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 12 PVC MAINLINE PIPE
- 13 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 14 SCH. 40 PVC ELL
- 15 SCH. 40 PVC TEE OR ELL
- 16 SCH. 40 PVC THREADED ELL

F DRIP CONTROL ZONE KIT
SCALE: NTS

TRENCHING

SLEEVING



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PROJECT:
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MEXICAN KITCHEN**

PROJECT LOCATION:
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Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
IRRIGATION DETAILS

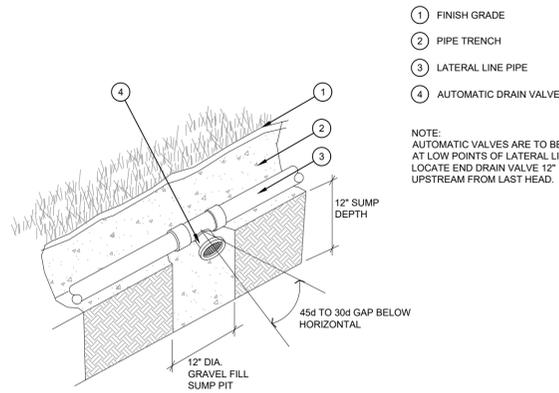
SHEET NUMBER:
L2.2

JSD PROJECT NO: 2414769



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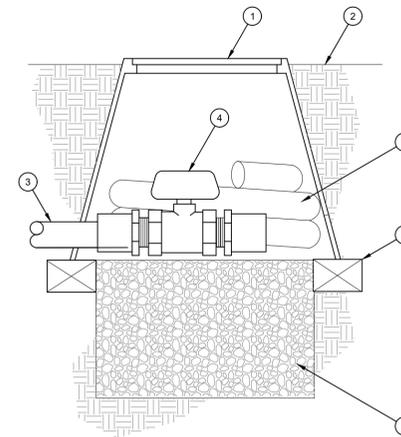
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- ① FINISH GRADE
- ② PIPE TRENCH
- ③ LATERAL LINE PIPE
- ④ AUTOMATIC DRAIN VALVE

NOTE:
AUTOMATIC VALVES ARE TO BE LOCATED
AT LOW POINTS OF LATERAL LINES.
LOCATE END DRAIN VALVE 12"
UPSTREAM FROM LAST HEAD.

M AUTOMATIC DRAIN VALVE
SCALE: NOT TO SCALE



- ① 10" ROUND PLASTIC VALVE BOX WITH LOCKABLE LID, "CARSON" OR APPROVED EQUAL
- ② FINISH GRADE - TOP OF VALVE BOX TO BE 2" ABOVE FINISH GRADE IN PLANTER AREAS
- ③ DRIP EXHAUST HEADER
- ④ PVC BALL VALVE, LINE SIZE
- ⑤ 3' COILED LENGTH OF LINE SIZE FLEX HOSE, SOLVENT WELD TO VALVE
- ⑥ RED BRICK TYPICAL, 3 REQUIRED
- ⑦ 6" DEEP LAYER OF PEA GRAVEL

K FLUSH VALVE
SCALE: NTS

PRESSURE LOSS CALCULATIONS

PROJECT NAME: Guzman y Gomez
PROJECT NUMBER: Naperville, IL

VALVE NUMBER	A6	
GPM	19.2	
STATIC PRESSURE AT CITY MAIN	60.00 psi (ASSUMED)	
① AVAILABLE OPERATING PRESSURE (90% OF STATIC PRESSURE)	54.00 psi	
SERVICE LINE		
160 feet of 2" pipe (Type K copper)	0.70 psi	
feet of 1-1/2" pipe (Type K copper)	0.00 psi	
feet of 1-1/4" pipe (Type K copper)	0.00 psi	
feet of 1" pipe (Type K copper)	0.00 psi	
feet of 3/4" pipe (Type K copper)	0.00 psi	
POINT OF CONNECTION		
1" WATER METER	(2.00) psi	
1" BACKFLOW PREVENTER	(11.50) psi	
MAINLINE		
feet of 2" pipe (Cl. 315)	0.00 psi	
410 feet of 1-1/2" pipe (Sch. 40)	2.05 psi	
feet of 1-1/4" pipe (Sch. 40)	0.00 psi	
feet of 1" pipe (Sch. 40)	0.00 psi	
FITTINGS (20% MAINLINE LOSS)		
	(0.41) psi	
① REMOTE CONTROL VALVE		
	(2.80) psi	
LATERAL LINE LOSSES (Class 200):		
feet of 2" pipe	gpm	0.00 psi
feet of 1-1/2" pipe	gpm	0.00 psi
6 feet of 1-1/4" pipe	19.2 gpm	(0.08) psi
21 feet of 1" pipe	8.4 gpm	(0.20) psi
90 feet of 3/4" pipe	6.7 gpm	(1.85) psi
ELEVATION CHANGE		
	feet	0.00 psi
② SYSTEM LOSSES		
		(21.58) psi

SUMMARY:

① AVAILABLE OPERATING PRESSURE: 54.00 psi

② SYSTEM LOSSES: (21.58) psi

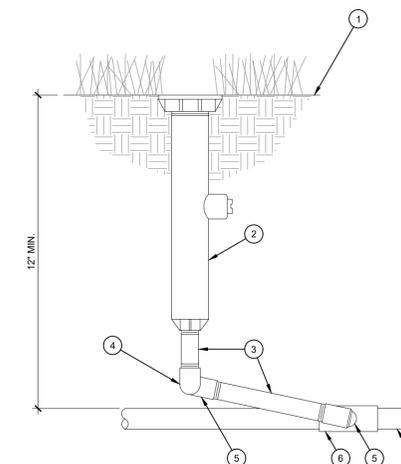
REMAINING PRESSURE: 32.42 psi

IRRIGATION HEAD OPERATING PRESSURE: (30.00) psi

RESIDUAL PRESSURE AFTER LAST IRRIGATION HEAD: 2.42 psi

NO REGULATOR NEEDED

NO PUMP NEEDED



- ① FINISH GRADE
- ② POP-UP SPRAY HEAD
- ③ SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
- ④ SCH. 40 PVC ELL
- ⑤ SCH. 40 PVC STREET ELL
- ⑥ SCH. 40 PVC TEE OR ELL
- ⑦ PVC LATERAL PIPE

NOTE: SET HEADS 6"-8" FROM WALLS, PAVING, AND OTHER HARD ELEMENTS

L POP-UP SPRAY HEAD
SCALE: NTS



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Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
IRRIGATION DETAILS

SHEET NUMBER:

L2.3

JSD PROJECT NO: 2414769



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