

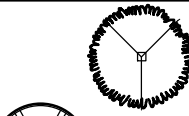
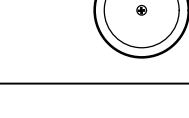
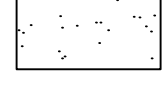
LANDSCAPE NOTES:

1. PRIOR TO BIDDING, THE LANDSCAPE CONTRACTOR SHALL WALK THE SITE TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK (IF REQUIRED).
2. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR AND AN OWNER'S REPRESENTATIVE SHALL INSPECT THE SITE AND DOCUMENT ANY DAMAGE TO SIDEWALKS, CURBS OR OTHER HARDSCAPES. ALL AREAS TO BE RE-INSPECTED UPON FINAL WALK THROUGH AND ANY DAMAGED AREAS TO BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. LANDSCAPE CONTRACTOR TO REVIEW ALL RELATED ENGINEERING, ARCHITECTURAL AND DRAINAGE PLANS AND COORDINATE WITH THE APPROPRIATE CONTRACTOR ON ANY ITEMS WITH OVERLAPPING SCOPE. ANY DISCREPANCIES BETWEEN THE LANDSCAPE PLAN AND ANY OTHER CONSULTANT PLANS MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, ANY CLARIFICATIONS OR DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE SITE CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
5. LANDSCAPE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES FOR PROTECTION PRIOR TO CONSTRUCTION. CONTACT BLUE STAKE AT 602-263-1100 OR 1-800-782-5348.
6. LANDSCAPE CONTRACTOR TO PROVIDE BARRICADES ALONG PUBLIC STREETS IF REQUIRED DURING INSTALLATION.
7. ALL QUANTITIES ON THE PLANT LIST ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR, PLANS TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD ESTIMATE ALL DECOMPOSED GRANITE QUANTITIES.
8. THE LANDSCAPE CONTRACTOR SHALL WARRANTY ALL HARDSCAPES, IRRIGATION COMPONENTS AND TREES FOR A PERIOD OF 1 YEAR. SHRUBS, ACCENTS AND GROUND COVERS SHALL CARRY A 90 DAY WARRANTY.
9. ALL PLANTS MUST BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. THE OWNER AND/OR LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED IN ADEQUATE OR NOT MEETING NURSERYMAN STANDARDS.
10. DUE TO SEASONAL PLANT MATERIAL AVAILABILITY, ALL ALTERNATES AND/OR SUBSTITUTIONS ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT, OWNER OR JURISDICTION.
11. PLANTS TO BE LOCATED AWAY FROM OBSTACLES SUCH AS FIRE HYDRANTS, TRANSFORMERS, POWER POLES, AND LIGHT FIXTURES AS NECESSARY.
12. LANDSCAPE CONTRACTOR TO CONTACT THE G.C. OR OWNER'S REPRESENTATIVE BEFORE EACH APPLICATION OF PRE-EMERGENT FOR VERIFICATION. MINIMUM 2 APPLICATIONS REQUIRED.
13. PREPARED BACKFILL FOR PLANTING PITS SHALL BE 4 PARTS NATIVE SOIL TO 1 PART NITROGEN STABILIZED MULCH. MIX MULCH AND SOIL BACKFILL THOROUGHLY TO CREATE BACKFILL PRIOR TO PLACING IN PIT.
14. TOPSOIL TO CONFORM TO THE REQUIREMENTS OF MAG SPECIFICATION, SECTION 795. PROVIDE A WRITTEN DESCRIPTION OF CERTIFICATION OF ORIGINAL ORIGIN OF TOPSOIL TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE.
15. PROVIDE THE G.C. AND/OR OWNER A SAMPLE OF DECOMPOSED GRANITE FOR APPROVAL PRIOR TO DELIVERY TO THE SITE. UNLESS OTHERWISE NOTED ON PLANS, DECOMPOSED GRANITE SHALL EXTEND UNDER SHRUBS AND BE RAKED UNIFORMLY ALONG WALLS, SIDEWALKS, AND CURBS.
16. LANDSCAPE MAINTENANCE WITHIN THE PUBLIC RIGHT OF WAY SHALL BE THE RESPONSIBILITY OF THE OWNER.

IRRIGATION NOTES:

1. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR IS TO COORDINATE ALL SLEEVEING LOCATIONS WITH THE GENERAL CONTRACTOR AND/OR PAVING CONTRACTOR TO ENSURE THAT ALL SLEEVES ARE INSTALLED PRIOR TO PAVING. VERIFY ANY EXISTING SLEEVES THAT MAY HAVE BEEN PREVIOUSLY INSTALLED.
2. PRIOR TO CONSTRUCTION, VERIFY STATIC WATER PRESSURE. CONTACT LANDSCAPE ARCHITECT IF STATIC PRESSURE IS NOT ADEQUATE FOR LISTED DESIGN PRESSURE ON THE IRRIGATION PLANS.
3. MAINTAIN IRRIGATION AS-BUILTS THROUGHOUT INSTALLATION. AS-BUILT SET TO BE TURNED OVER TO OWNER PRIOR TO ACCEPTANCE OF THE IRRIGATION INSTALL.
4. VACUUM BREAKER/BACKFLOW PREVENTION DEVICE TO BE ASSEMBLED PER LOCAL JURISDICTIONAL STANDARDS AND DETAILS.
5. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING MATERIALS AND LABOR TO PROVIDE SPECIFIED ELECTRICAL SERVICE TO ALL CONTROLLER LOCATIONS. ALL ELECTRICAL WORK TO BE PER MANUFACTURER'S SPECIFICATIONS AND PER LOCAL CODE.
6. ALL IRRIGATION EQUIPMENT TO BE LOCATED IN LANDSCAPE AREAS- ALL LINES AND EQUIPMENT ARE SCHEMATIC.
7. ALL MATERIAL USED SHALL BE INSTALLED AS PER PLAN AND AS PER MANUFACTURERS SPECIFICATIONS. ALL DEVIATIONS FROM DRAWINGS OR MATERIALS USED SHALL BE APPROVED BY OWNER'S REPRESENTATIVE AND OR LANDSCAPE ARCHITECT.
8. USE COMMON TRENCHES WHERE POSSIBLE. SEE DETAILS FOR TRENCHING AND MINIMUM IRRIGATION PIPE BURY DEPTHS.
9. CONTROLLER WIRE SHALL BE A DIFFERENT COLOR FOR TREE LINES & SHRUB LINES. AT LEAST THREE EXTRA CONTROL WIRES TO BE RUN TO THE FARTHEST VALVE LOCATION OF THE SYSTEM.
10. IRRIGATION LINES SHALL RUN PARALLEL TO THE HIGH SIDE OF SLOPES.
11. AN 18 GAUGE TRACER WIRE OF A DIFFERENT COLOR THAN THE CONTROL WIRES SHALL BE INSTALLED WITH ALL MAINLINES.
12. INSTALL ELECTRIC VALVES IN PLASTIC VALVE BOXES FLUSH WITH GRADE. ALL BOXES TO BE PLACED IN INCONSPICUOUS LOCATIONS AS POSSIBLE. AVOID INSTALLING VALVE BOXES AT THE BOTTOM OF ANY RETENTION AREAS WHERE PONDING IS POSSIBLE.
13. ALL PEA GRAVEL IN VALVE BOXES TO BE CLEANED FROM TOP OF VALVE SO THAT VALVE IS COMPLETE VISIBLE, LIP OF VALVE BOX IS ALSO TO BE FREE OF DEBRIS.
14. EMITTERS TO BE PLACED ON THE UPHILL SIDE OF THE PLANTS. ALL PLANTS REQUIRING MORE THAN ONE DRIP EMITTER SHALL HAVE EMITTERS DISTRIBUTED EVENLY AROUND THE EDGE OF THE ROOT-BALL.
15. CONTRACTOR TO CAP OFF ALL IRRIGATION AT PHASING LIMITS AS REQUIRED, AND MARK APPROPRIATELY FOR EASY LOCATION UPON FUTURE EXPANSION.
16. PRIOR TO OWNERS APPROVAL, AN IRRIGATION "TUNE-UP" MUST BE PERFORMED AS FOLLOWS:
 - A. ALL IRRIGATION EQUIPMENT (INCLUDING ALL PIPELINES AND SLEEVES) TO BE DOCUMENTED FROM TWO STATIONARY POINTS. (AS-BUILTS PER #2 ABOVE).
 - B. IRRIGATION VALVES TO BE LABELED ON A SHEET OF PAPER WITH STATIONS CORRESPONDING TO MARKED LABELS ON TOP OF VALVE BOXES. THIS SHEET TO BE PLACED IN A PLASTIC POUCH AND ATTACHED TO THE INSIDE OF CONTROLLER.
 - C. ALL DRIP SYSTEMS TO BE FLUSHED BEGINNING WITH "Y" STRAINER, AND WORKING AWAY FROM PRESSURE REGULATOR.
 - D. ALL IRRIGATION SPRAY HEADS TO BE FLUSHED OF DEBRIS AND FLOW CONTROLS/RADIUS ADJUSTED TO ACHIEVE 100% COVERAGE. AVOID OVER-SPRAY ONTO ALL WALKS, CURBS, WALLS, EXISTING STRUCTURES OR ANOTHER OTHER HARDSCAPE AREA. ADJUST ALL HEADS/ROTORS TO PROPER HEIGHTS AND VERTICAL ALIGNMENT.
 - E. ENSURE THAT NO CONTROL WIRE WAS DAMAGED DURING CONSTRUCTION AND THAT ALL VALVES ARE ELECTRONICALLY OPERABLE BY THE CONTROLLER.
 - F. AUDIT ENTIRE SYSTEM FOR LEAKS OR DAMAGE DURING CONSTRUCTION.

PLANT LEGEND

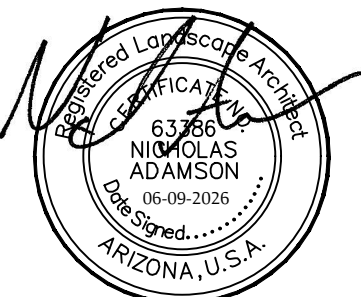
SYMBOL	BOTANICAL NAME - COMMON NAME	QTY.	SIZE	COMMENTS
TREES				
	FRAXINUS VELUTINA - ARIZONA ASH	60	24" BOX	STANDARD
	PROSOPIS HYBRID - 'RIO SALADO'	9	24" BOX	STANDARD
	PISTACIA CHINENSIS - CHINESE PISTACHE	73	24" BOX	STANDARD
	DECOMPOSED GRANITE - 1" SCREENED AT 2" DEPTH MIN. -COLOR TO BE 'FROST' BY ROCK PROS.	59,941 SQ.FT		
	MID-IRON BERMUDA TURF	67,040 SQ.FT		

ZONE	QUANTITY (BY SPECIES)
ZONE 5: OPEN SPACE	ARIZONA ASH: 60 MESQUITE: 9 CHINESE PISTACHE: 73 TOTAL: 142



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Expires: 03-31-2029

COVER SHEET
CITY CENTRE IMPROVEMENT DISTRICT
- THE GROVE

SWC OF MARINA BLVD. & HIGHWAY 95
BULLHEAD CITY, ARIZONA

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JOB NO. _____
DATE: 06-09-26
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CHECKED BY: NA

REVISIONS: _____

SHEET NO.

L0.1

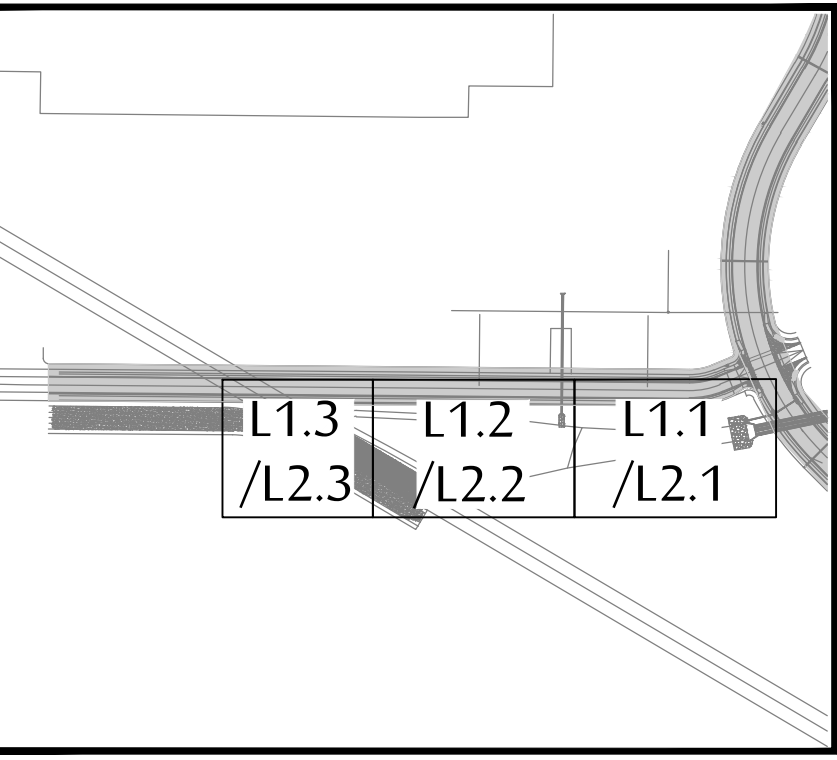
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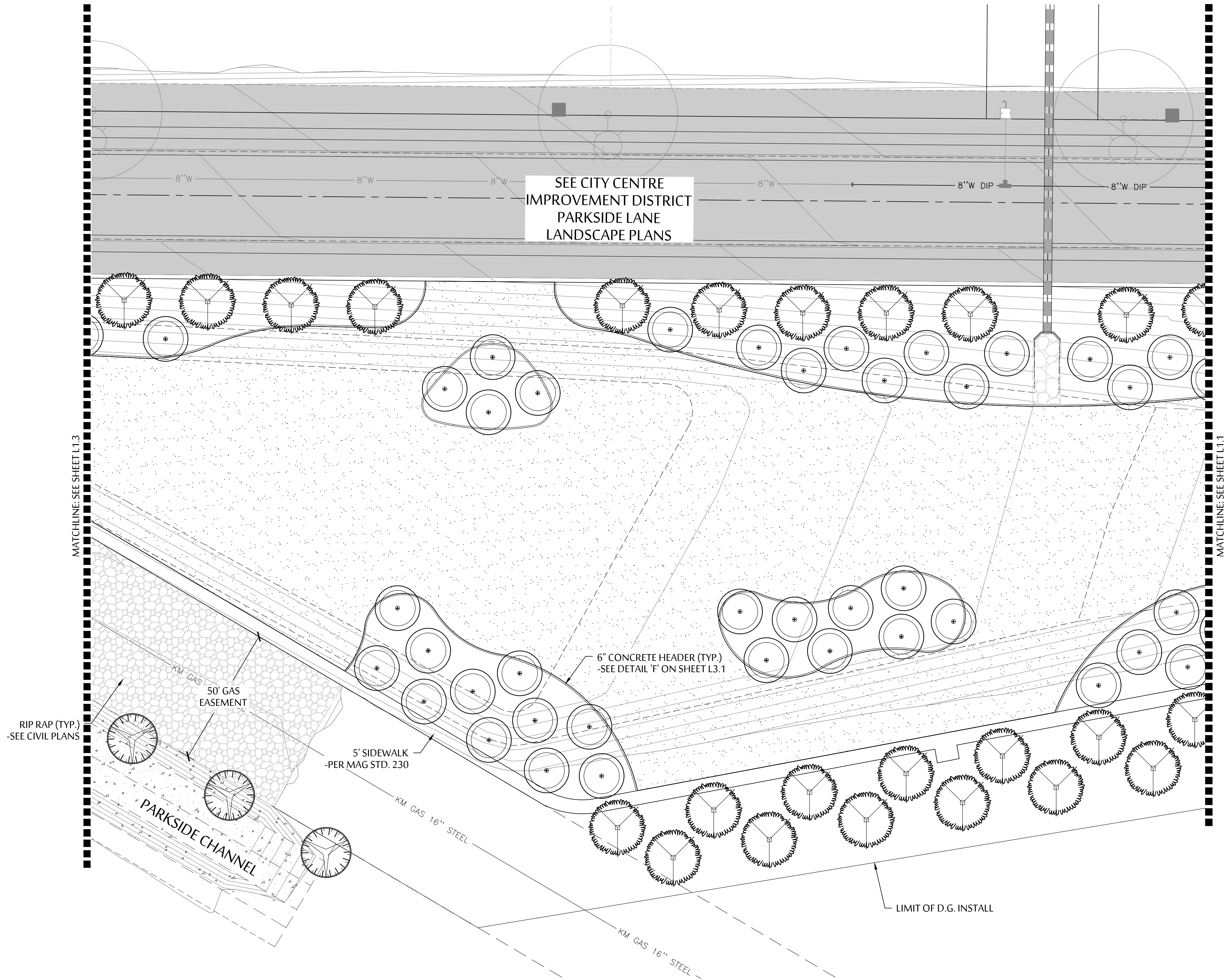
L0.1 L1.1 - L1.3 L2.0-L2.3 L3.1-L3.2	COVER SHEET PLANTING PLAN IRRIGATION PLAN DETAILS
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VICINITY MAP

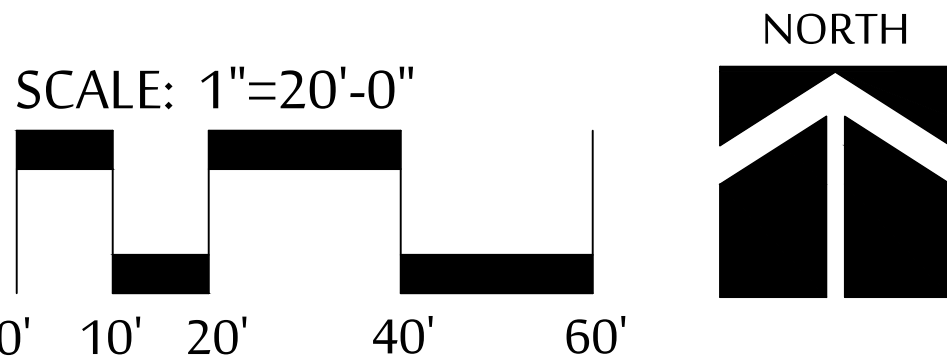
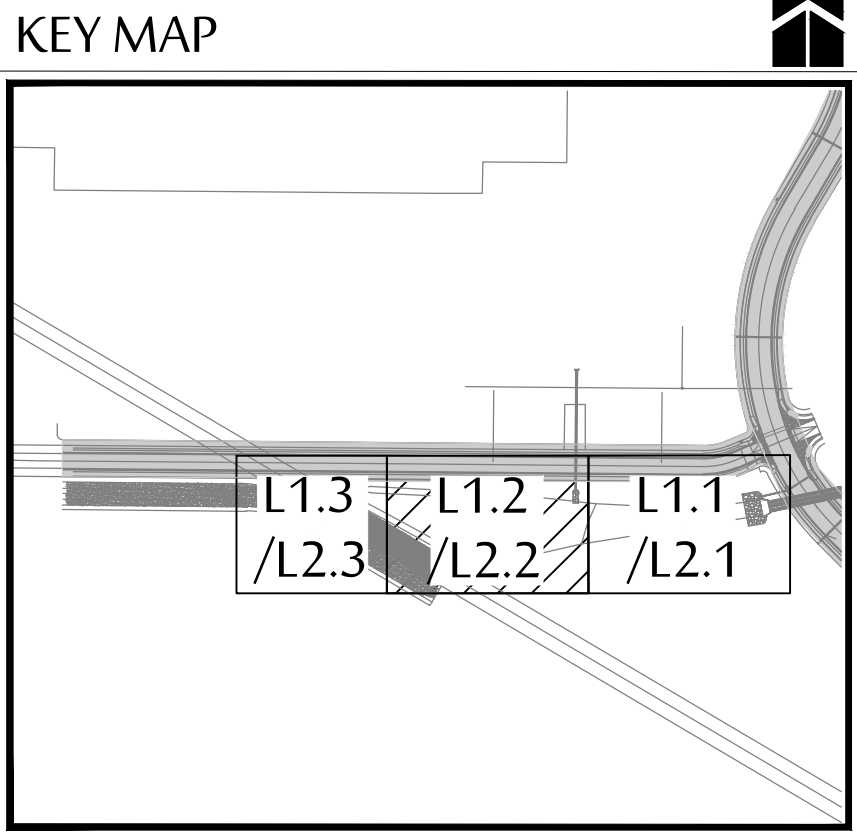


KEY MAP

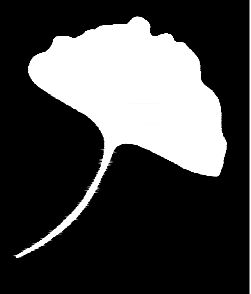




PLANT LEGEND	
SYMBOL	BOTANICAL NAME - COMMON NAME
TREES	
	FRAXINUS VELUTINA - ARIZONA ASH
	PROSOPIS HYBRID - 'RIO SALADO'
	PISTACIA CHINENSIS - CHINESE PISTACHE
	DECOMPOSED GRANITE - 1" SCREENED AT 2" DEPTH MIN. - COLOR TO BE 'FROST' BY ROCK PROS.
	MID-IRON BERMUDA TURF

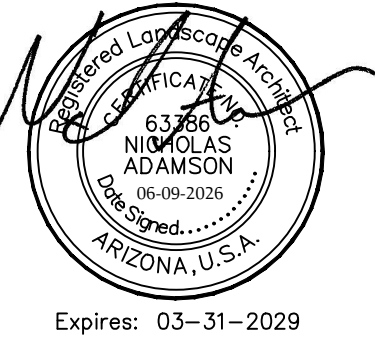


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Landscape Architects
Land Planning
Irrigation

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PLANTING PLAN

CITY CENTRE IMPROVEMENT DISTRICT
- THE GROVE

SWC OF MARINA BLVD. & HIGHWAY 95
BULLHEAD CITY, ARIZONA

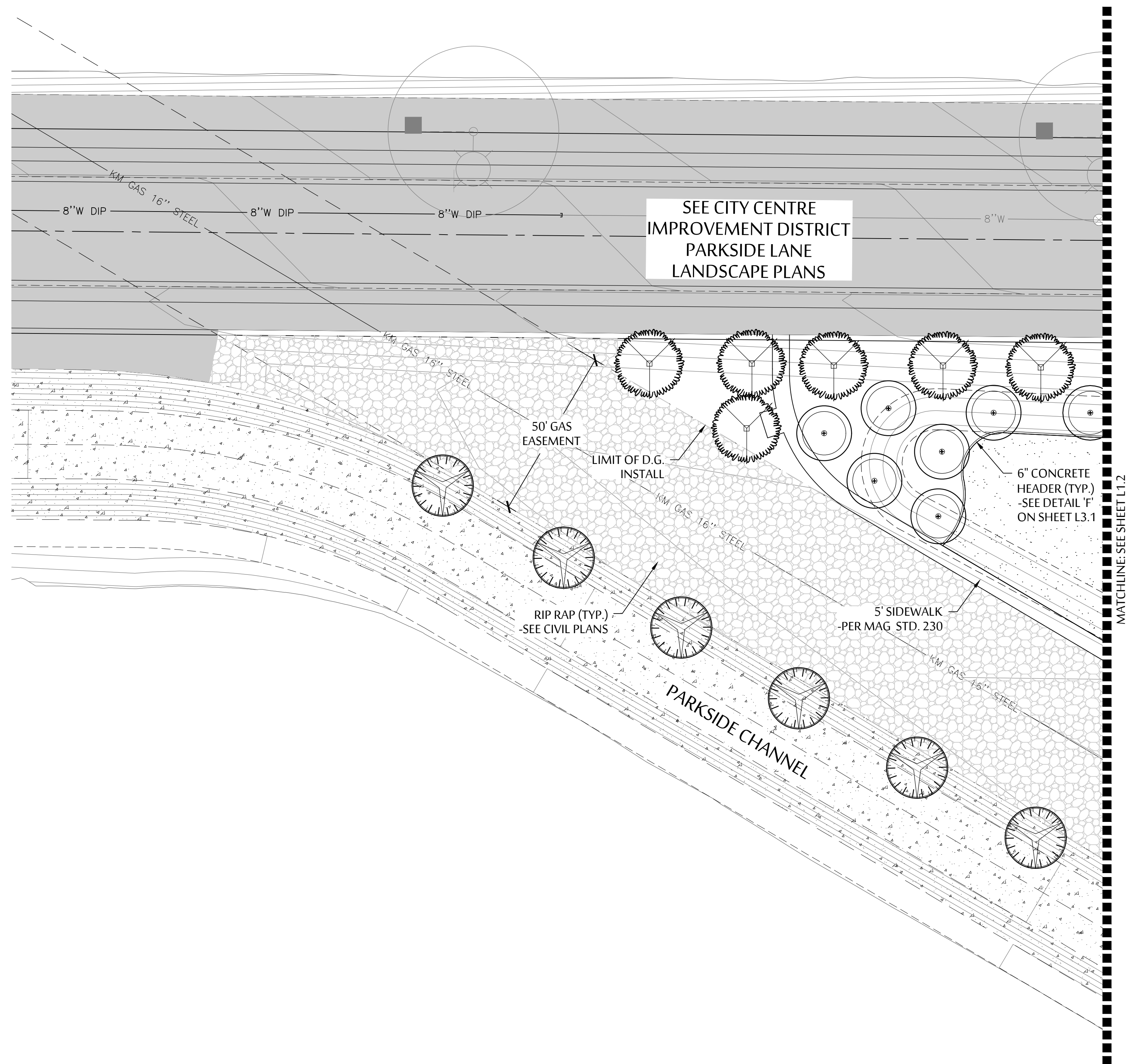
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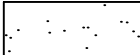
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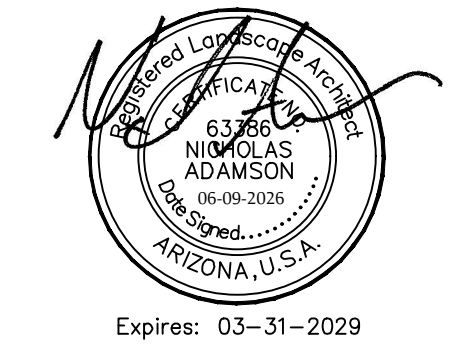
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SHEET NO.
L1.2



PLANT LEGEND	
SYMBOL	BOTANICAL NAME - COMMON NAME
TREES	
	FRAXINUS VELUTINA - ARIZONA ASH
	PROSOPIS HYBRID - 'RIO SALADO'
	PISTACIA CHINENSIS - CHINESE PISTACHE
	DECOMPOSED GRANITE - 1" SCREENED AT 2" DEPTH MIN. -COLOR TO BE 'FROST' BY ROCK PROS.
	MID-IRON BERMUDA TURF



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PLANTING PLAN

CITY CENTRE IMPROVEMENT DISTRICT

- THE GROVE

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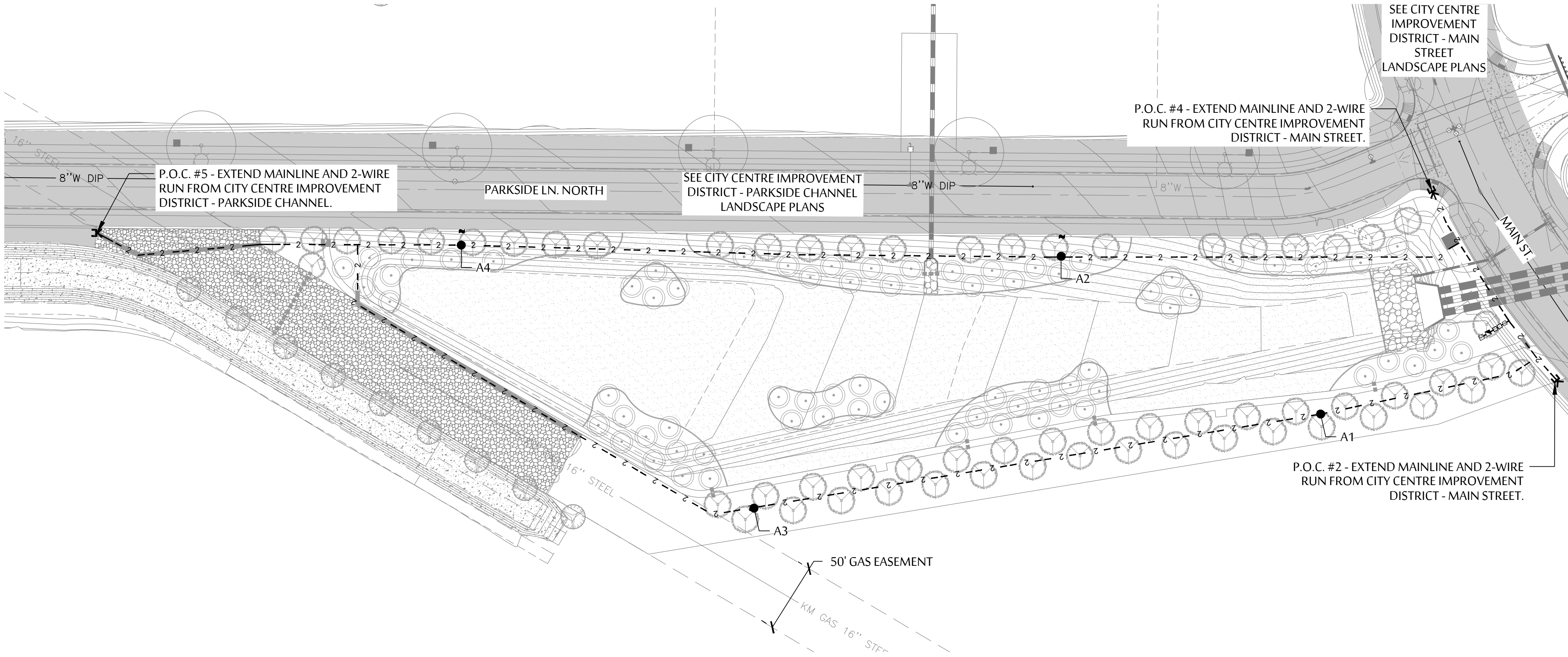
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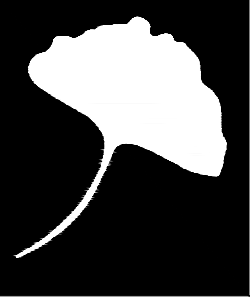
SHEET NO.
L1.3

4 OF 4



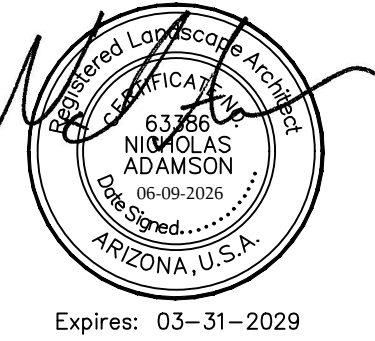
MASTER IRRIGATION SCHEDULE	
SYMBOL	SPECIFICATION
	WATER METER - SIZE PER PLANS; COORDINATE LOCATION AND INSTALLATION W/ OWNER'S REPRESENTATIVE OF METER. SEE CIVIL PLANS FOR EXACT LOCATIONS.
	FEBCO 825YA REDUCED PRESSURE BACKFLOW PREVENTOR - SIZE PER PLANS.
	MASTER VALVE
	FLOW SENSOR
	AIR RELEASE VALVE
	RAINBIRD ESP-LXD DECODER CONTROLLER - INSTALLED AS PART OF CITY CENTRE IMPROVEMENT DISTRICT - MAIN STREET LANDSCAPE PLANS.
	MAINLINE: SIZE AS PER PLAN- SCH. 40 PVC.
	MAINLINE INSTALLED AS PART OF CITY CENTRE IMPROVEMENT DISTRICT - PARKSIDE CHANNEL IRRIGATION PLANS: SIZE PER PLAN - SCH. 40 PVC.
	PHASE CAP FOR MAINLINES/POINT OF CONNECTION
	PHASE CAP FOR LATERALS
	LATERAL SLEEVE - SCHEDULE SCH 40 PVC SLEEVE. SEE SLEEVING SCH.
	MAINLINE SLEEVE - ADD 2" SCHEDULE SCH 40 PVC SLEEVE FOR CONTROL WIRE WHERE NECESSARY.
	ELECTRIC VALVE
SEE SHEET L3.2 FOR ALL IRRIGATION DETAILS	
CONTRACTOR MUST HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL FOR ALL IRRIGATION EQUIPMENT ALTERNATES/EQUIVALENTS	

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MASTER IRRIGATION PLAN

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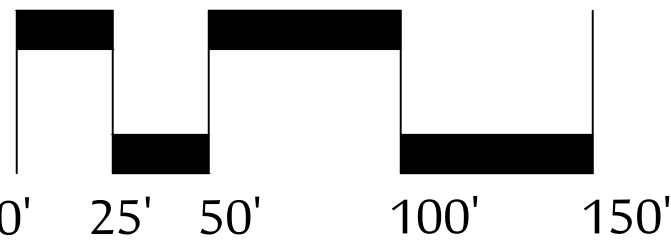
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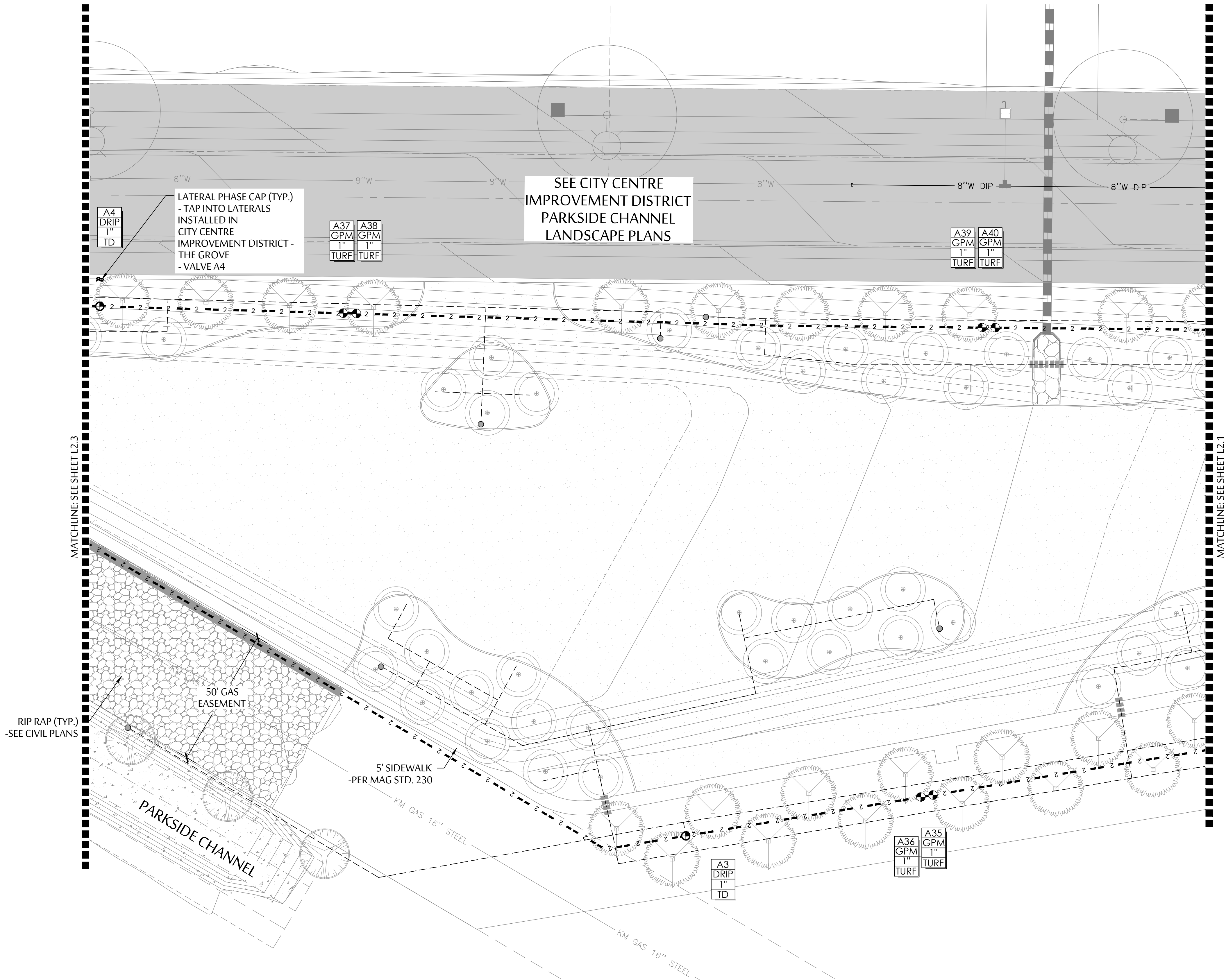
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SHEET NO.
L2.0

SCALE: 1"=50'-0"





IRRIGATION SCHEDULE

SYMBOL	SPECIFICATION
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# ■ ■ ■ ■	MAINLINE: SIZE AS PER PLAN- SCH. 40 PVC.
---	PVC LATERAL (TREES) - CLASS 200 PVC MIN. SEE EMITTER SCHEDULE FOR TREE/EMITTER APPLICATION
---	PVC LATERAL (TURF) - SCH. 40 PVC MIN.
	HAMMOND 667 GATE VALVE- SAME SIZE AS MAINLINE.
	RAINBIRD MEDIUM FLOW DRIP KIT VALVE (PART# XCZ-100-PRB-COM) - 1 VALVE PER VALVE BOX.
	RAINBIRD PEB/PESB SERIES ELECTRIC GLOBE VALVE; (PART# 100-PESB) - 1 VALVE PER VALVE BOX.
	RAINBIRD 1/2" AIR RELIEF / FLUSH VALVE ASSEMBLY: #ARV050
	PHASE CAP FOR LATERALS/POINT OF CONNECTION
	PHASE CAP FOR MAINLINES/POINT OF CONNECTION
	LATERAL SLEEVE - SCHEDULE SCH 40 PVC SLEEVE. SEE SLEEVING SCH.
	MAINLINE SLEEVE - ADD 2" SCHEDULE SCH 40 PVC SLEEVE FOR CONTROL WIRE WHERE NECESSARY.
	CONTROLLER AND STATION. FLOW - GALLONS PER MINUTE (SEE PIPE SIZING SCH.) VALVE SIZE VALVE I.D. - TD=TREE DRIP, TURF=TURF
SEE SHEET L3.2 FOR ALL IRRIGATION DETAILS	
CONTRACTOR MUST HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL FOR ALL IRRIGATION EQUIPMENT ALTERNATES/EQUIVALENTS	

EMITTER SCHEDULE

TREES: ALL TREES TO RECEIVE (2) RAINBIRD RWS TUBES. EACH TUBE TO BE SET UP AS SPECIFIED BELOW.
- USE RWS-B-C, 4" DIAMETER X 36" DEPTH TUBES.
- USE XBT-10-6 MULTI-PORT EMITTERS IN EACH TUBE.
- (4) PORTS ARE TO REMAIN IN THE RWS TREE TUBE.
- (2) PORTS ARE TO RUN TO THE SURFACE, EQUALLY SPACED AROUND THE TRUNK.

SHRUBS/GROUND COVERS:
- USE RAINBIRD XBT-20-6 MULTI-PORT EMITTERS
- (1) PORT PER SHRUB/GROUND COVER

ACCENTS:
- USE RAINBIRD XBT-10-6 MULTI-PORT EMITTERS
- (1) PORT PER ACCENT PLANT

* MULTI-PORT EMITTERS TO BE INSTALLED IN 6" ECONOMY BOXES.
** MAXIMUM 1/4" POLY TUBE RUN TO BE 5' IN LENGTH.

POP UP ROTOR/SPRAY HEAD SCHEDULE

RAINBIRD R-VAN SERIES NOZZLE - R-VAN14. (USE RAINBIRD RD1800 SAM SERIES HEADS - RD-04-S-P45-F)

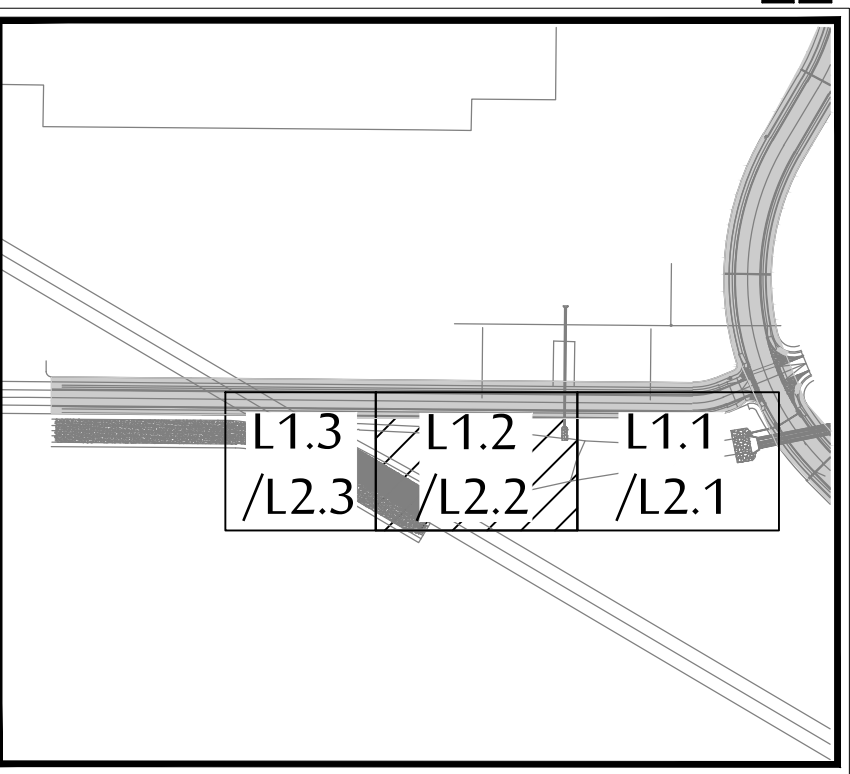
② ADJUSTABLE ARC/RADIUS R-VAN NOZZLE

RAINBIRD FULL CIRCLE ROTARY NOZZLE - R13-18F (USE RAINBIRD RD 1800 SAM SERIES HEADS - RD-04-S-P45-F)

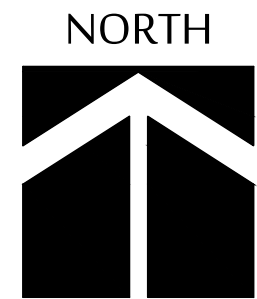
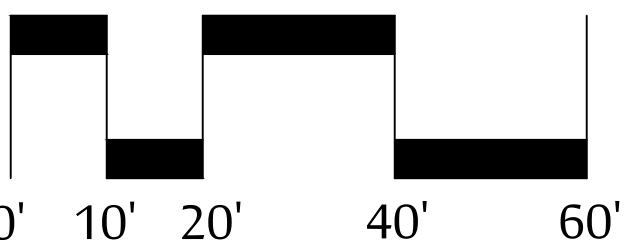
② FULL CIRCLE ROTARY NOZZLE

* ALL TURF SPRAYS AND ROTORS HAVE BEEN DESIGNED TO OPERATE AT 45 PSI. CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT IF PRESSURE IN THE FIELD IS NOT SUFFICIENT.

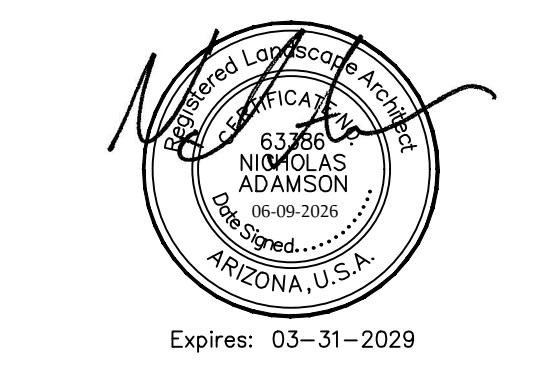
KEY MAP



SCALE: 1"=20'-0"



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IRRIGATION PLAN CITY CENTRE IMPROVEMENT DISTRICT - THE GROVE

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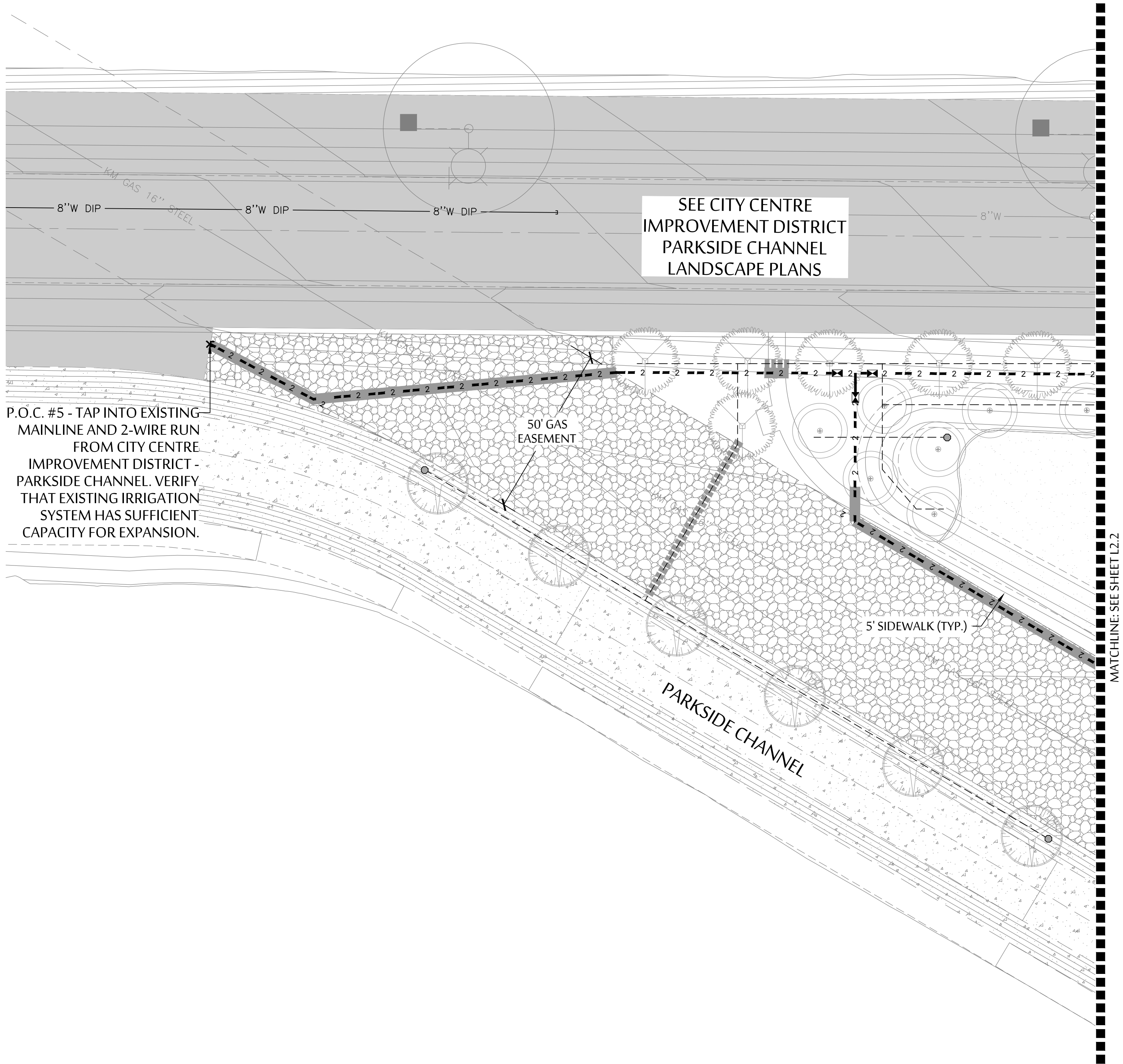
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L2.2



P.O.C. #5 - TAP INTO EXISTING MAINLINE AND 2-WIRE RUN FROM CITY CENTRE IMPROVEMENT DISTRICT - PARKSIDE CHANNEL. VERIFY THAT EXISTING IRRIGATION SYSTEM HAS SUFFICIENT CAPACITY FOR EXPANSION.

SEE CITY CENTRE IMPROVEMENT DISTRICT PARKSIDE CHANNEL LANDSCAPE PLANS

50' GAS EASEMENT

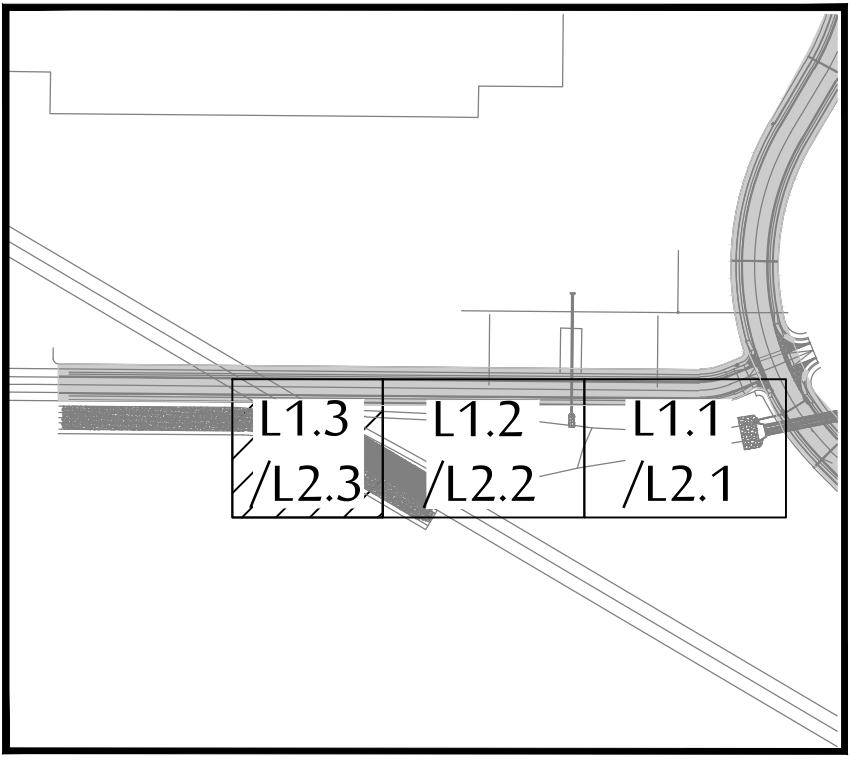
5' SIDEWALK (TYP.)

PARKSIDE CHANNEL

MATCHLINE: SEE SHEET L2.2

NOTE:
INSTALL SLEEVES FOR MAINLINE AND CONTROL WIRE AT ALL PLANNED OR KNOWN DRIVEWAY LOCATIONS.

KEY MAP



IRRIGATION SCHEDULE

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	PHASE CAP FOR MAINLINES/POINT OF CONNECTION
	LATERAL SLEEVE - SCHEDULE SCH 40 PVC SLEEVE. SEE SLEEVING SCH.
	MAINLINE SLEEVE - ADD 2" SCHEDULE SCH 40 PVC SLEEVE FOR CONTROL WIRE WHERE NECESSARY.
	CONTROLLER AND STATION. FLOW - GALLONS PER MINUTE (SEE PIPE SIZING SCH.) VALVE SIZE VALVE I.D. - TD=TREE DRIP, TURF=TURF
SEE SHEET L3.2 FOR ALL IRRIGATION DETAILS	
CONTRACTOR MUST HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL FOR ALL IRRIGATION EQUIPMENT ALTERNATES/EQUIVALENTS	

EMITTER SCHEDULE

TREES: ALL TREES TO RECEIVE (2) RAINBIRD RWS TUBES. EACH TUBE TO BE SET UP AS SPECIFIED BELOW.
- USE RWS-B-C, 4" DIAMETER X 36" DEPTH TUBES.
- USE XBT-10-6 MULTI-PORT EMITTERS IN EACH TUBE.
- (4) PORTS ARE TO REMAIN IN THE RWS TREE TUBE.
- (2) PORTS ARE TO RUN TO THE SURFACE, EQUALLY SPACED AROUND THE TRUNK.

SHRUBS/GROUND COVERS:
- USE RAINBIRD XBT-20-6 MULTI-PORT EMITTERS
- (1) PORT PER SHRUB/GROUND COVER

ACCENTS:
- USE RAINBIRD XBT-10-6 MULTI-PORT EMITTERS
- (1) PORT PER ACCENT PLANT

* MULTI-PORT EMITTERS TO BE INSTALLED IN 6" ECONOMY BOXES.
** MAXIMUM 1/4" POLY TUBE RUN TO BE 5' IN LENGTH.

POP UP ROTOR/SPRAY HEAD SCHEDULE

RAINBIRD R-VAN SERIES NOZZLE - R-VAN14. (USE RAINBIRD RD1800 SAM SERIES HEADS - RD-04-S-P45-F)

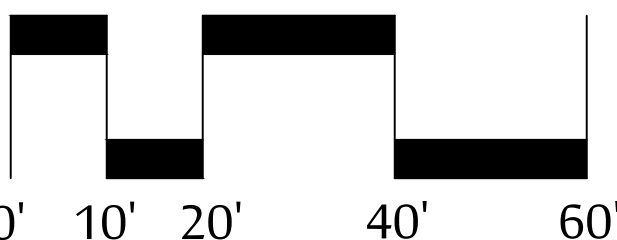
② ADJUSTABLE ARC/RADIUS R-VAN NOZZLE

RAINBIRD FULL CIRCLE ROTARY NOZZLE - R13-18F (USE RAINBIRD RD 1800 SAM SERIES HEADS - RD-04-S-P45-F)

② FULL CIRCLE ROTARY NOZZLE

* ALL TURF SPRAYS AND ROTORS HAVE BEEN DESIGNED TO OPERATE AT 45 PSI. CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT IF PRESSURE IN THE FIELD IS NOT SUFFICIENT.

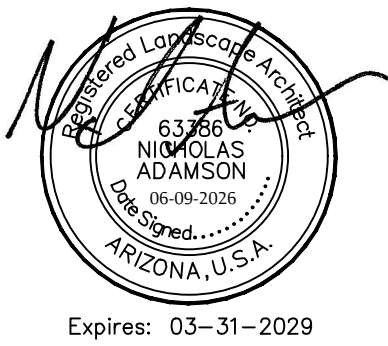
SCALE: 1"=20'-0"



NORTH



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IRRIGATION PLAN
CITY CENTRE IMPROVEMENT DISTRICT
- THE GROVE

SWC OF MARINA BLVD. & HIGHWAY 95
BULLHEAD CITY, ARIZONA

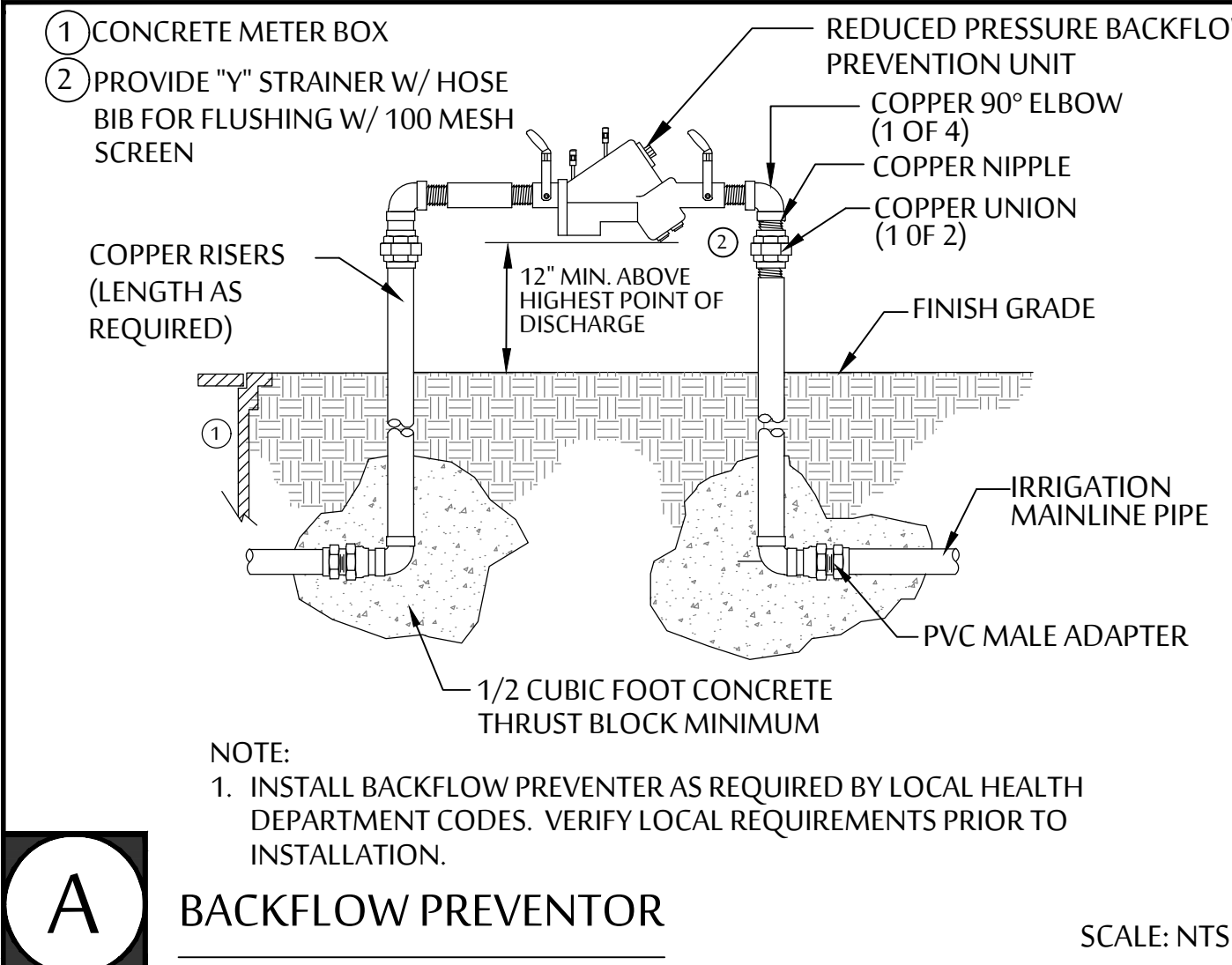
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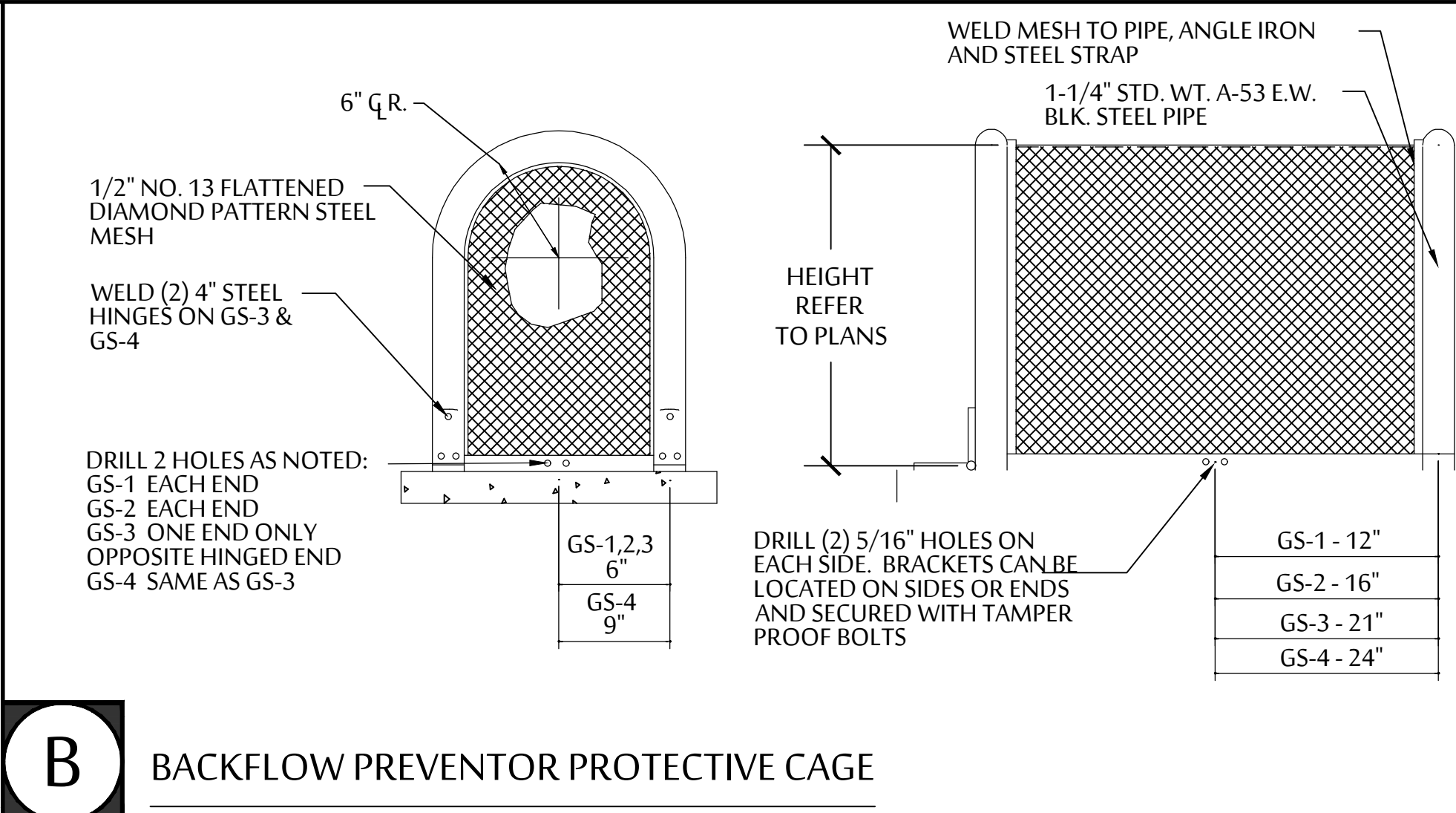
REVISIONS: _____

SHEET NO.
L2.3



A BACKFLOW PREVENTOR

SCALE: NTS



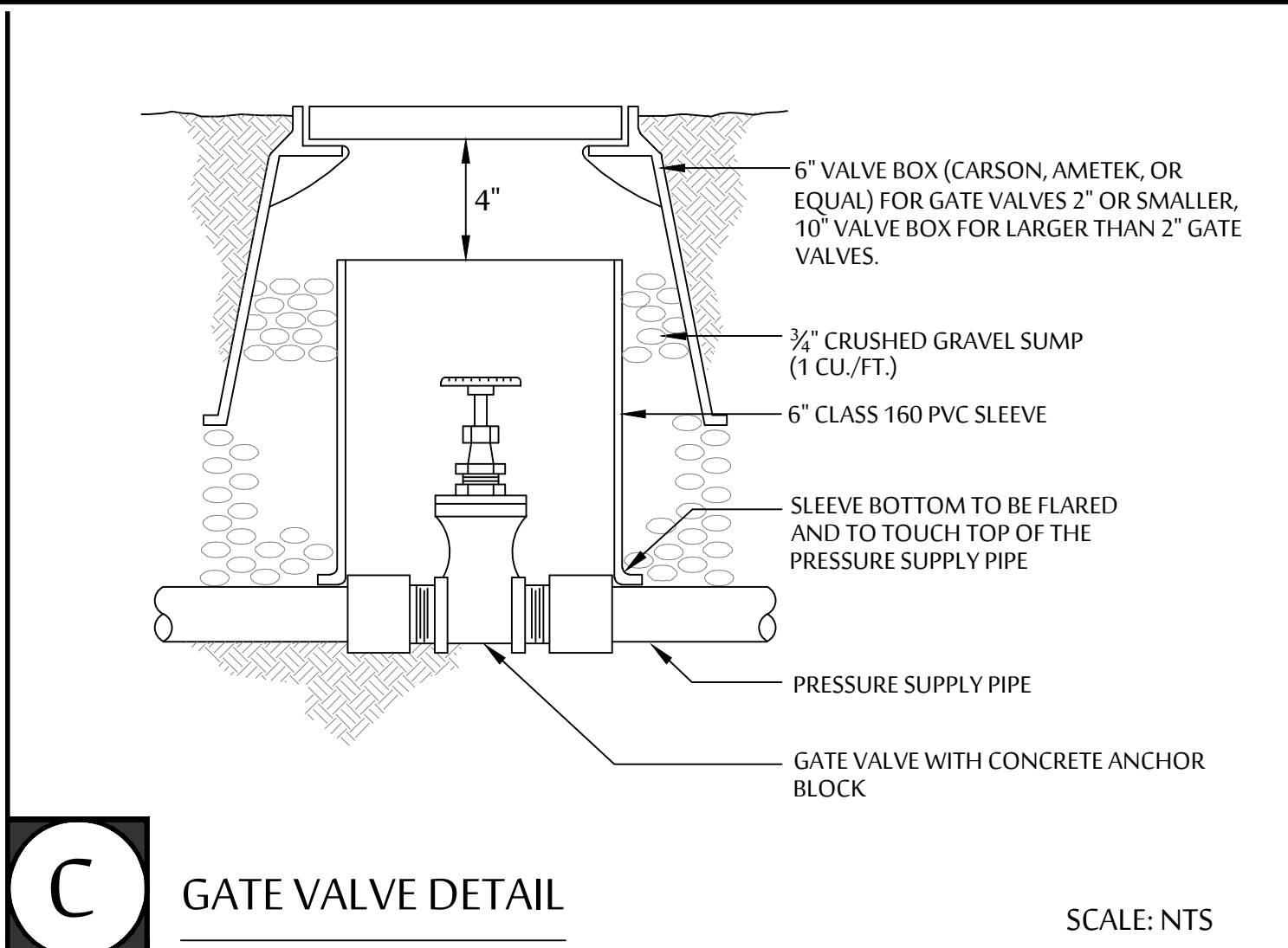
B BACKFLOW PREVENTOR PROTECTIVE CAGE

- NOTES:
1. ALL WELDED AREAS SHALL BE A MINIMUM OF 1/4" BEAD EVERY 4"
 2. SLEEVE ALL BACKFLOW RISERS
 3. AFTER ALL WELDING, ENTIRE UNIT SHALL BE PROCESSED WITH IRON PHOSPHATE TREATMENT.
 4. ELECTROSTATIC APPLICATION OF POWDER SHALL BE FUSION BONDED - PRS-8-4003-C (TAN) OR APPROVED EQUAL.
 5. ALL UNITS ALSO AVAILABLE IN 304 S.S., GS-3.5 AVAILABLE IN 304 S.S. ONLY.
 6. ALL BOLTS FOR HINGES AND HASPS SHALL BE ZINC PLATED TAMPER PROOF, EXCEPT USE S.S. HARDWARE FOR S.S. UNITS.

STD. SIZES	CENTERLINE DIMENSIONS
GS-5	12"W x 18"H x 12"L
GS-1	12"W x 24"H x 24"L
GS-2	12"W x 24"H x 32"L
GS-3	12"W x 24"H x 42"L
GS-3.5	12"W x 30"H x 42"L
GS-4	18"W x 30"H x 48"L

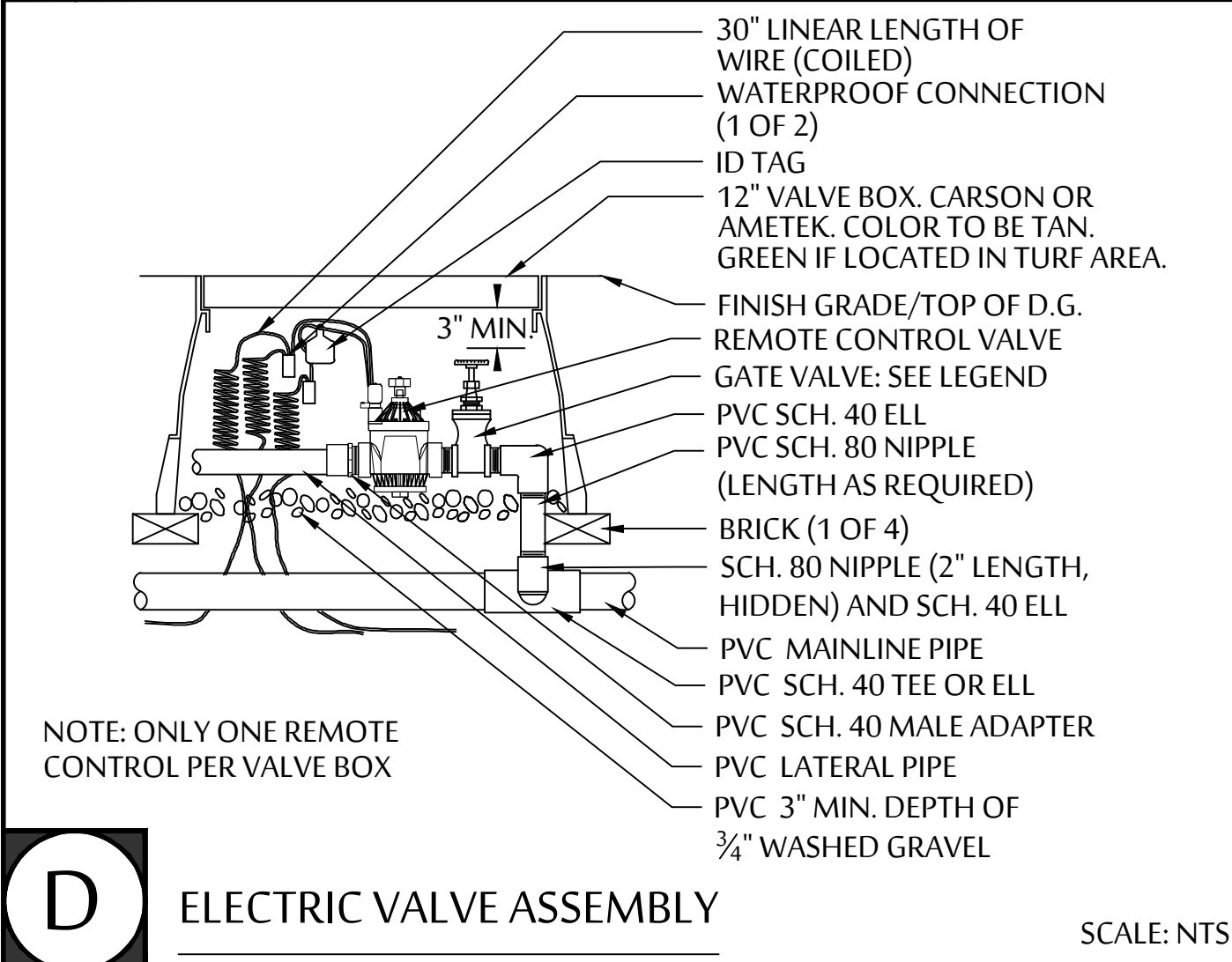
NOTE:
GS = POWDER COATED STEEL GUARD SHACK

SCALE: NTS



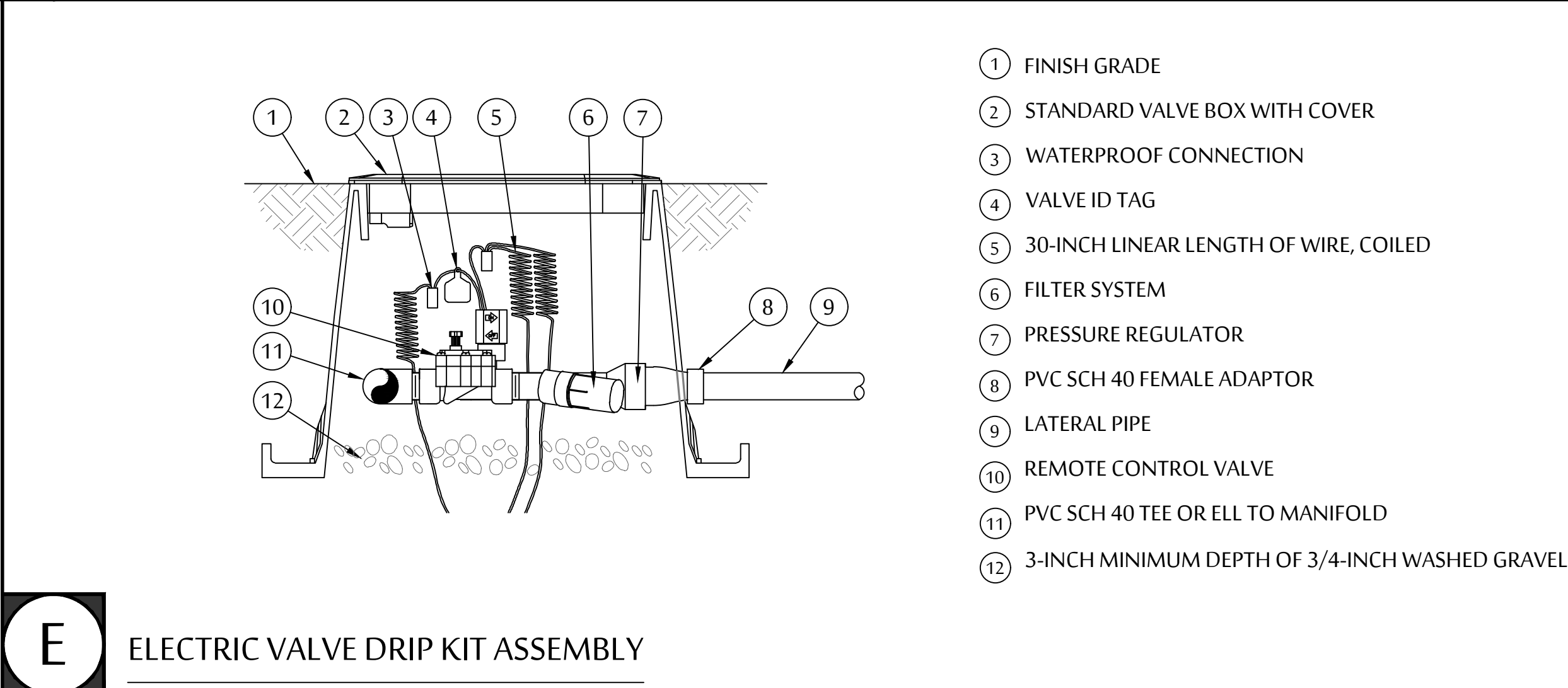
C GATE VALVE DETAIL

SCALE: NTS



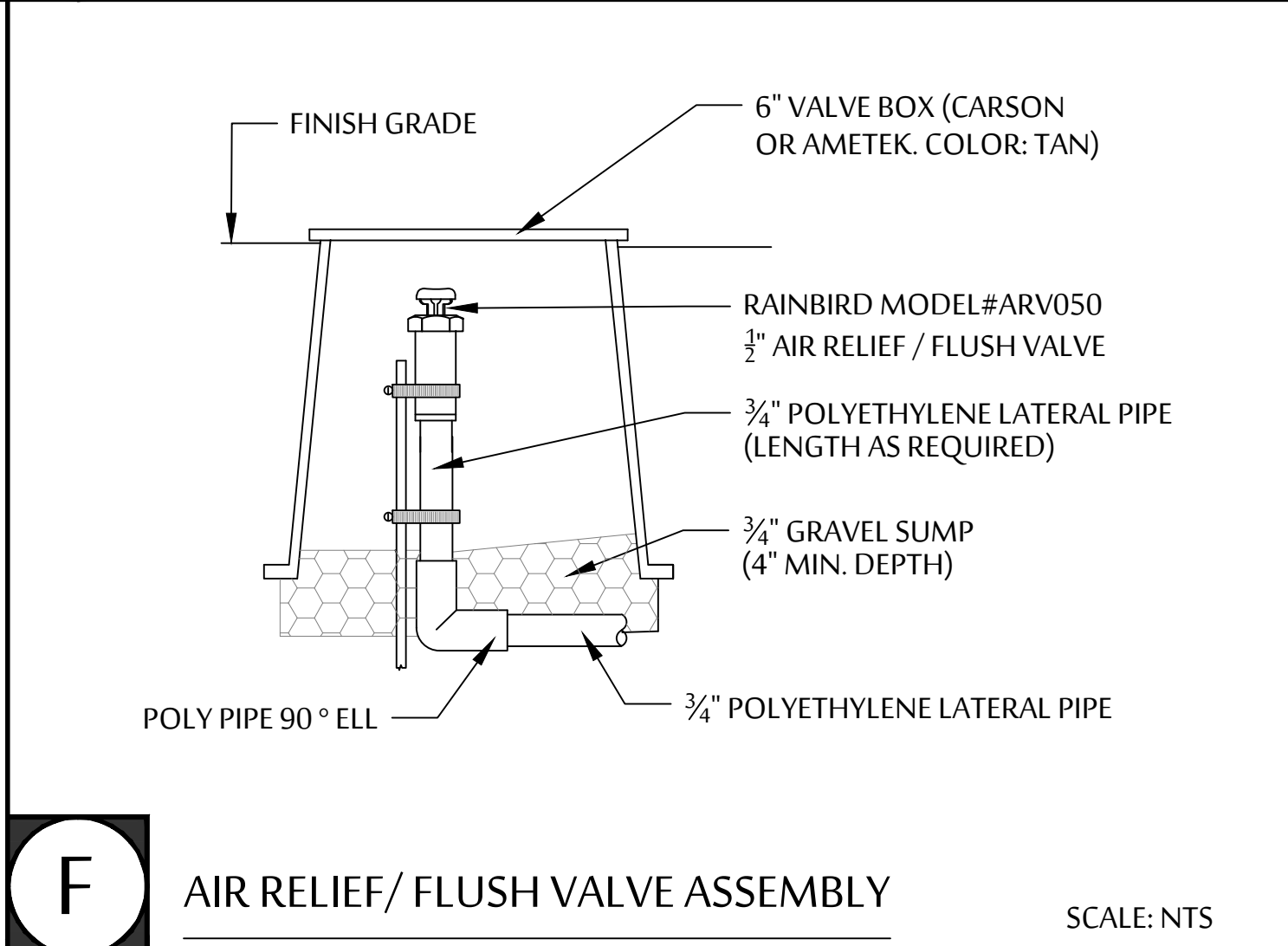
D ELECTRIC VALVE ASSEMBLY

SCALE: NTS



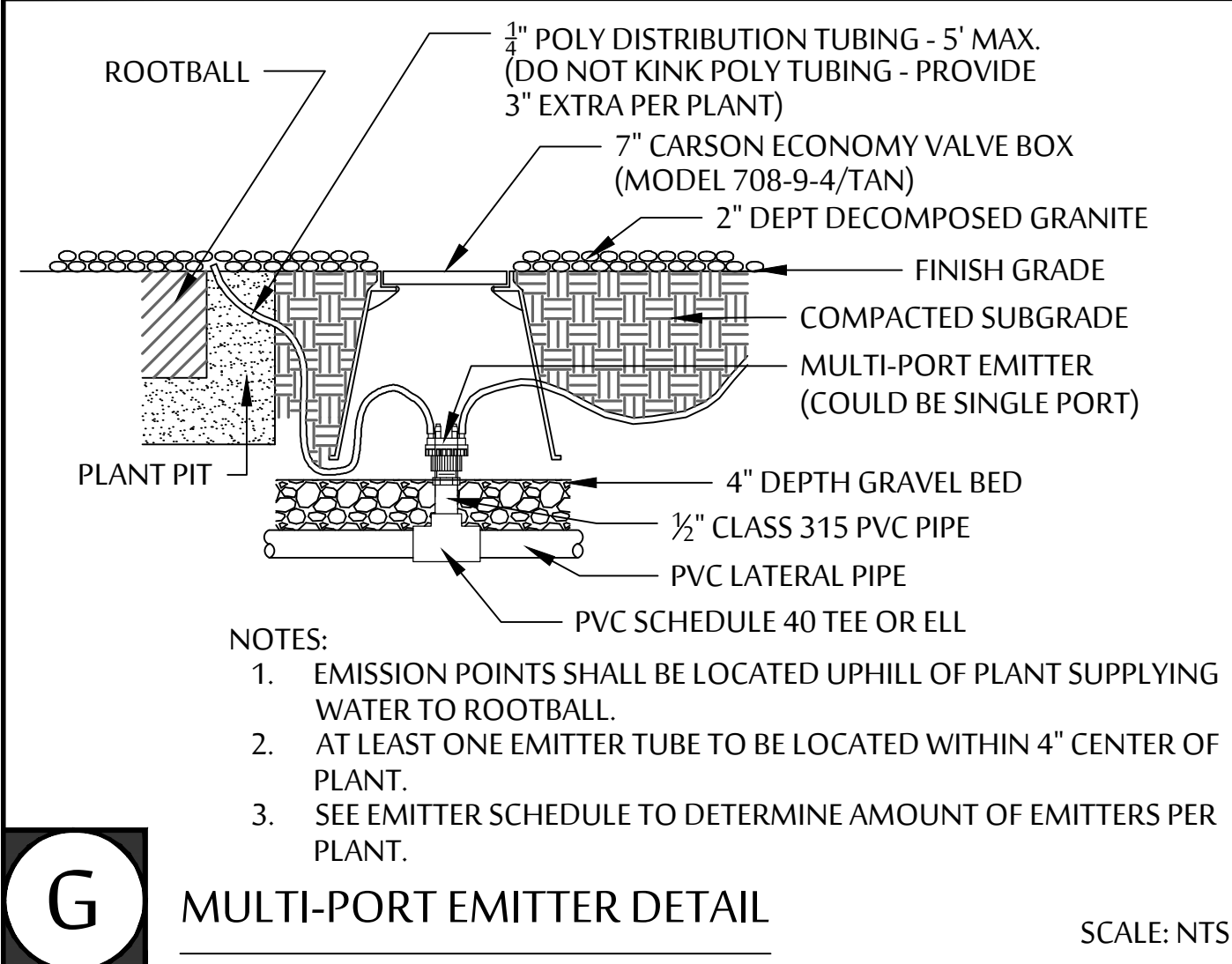
E ELECTRIC VALVE DRIP KIT ASSEMBLY

SCALE: NTS



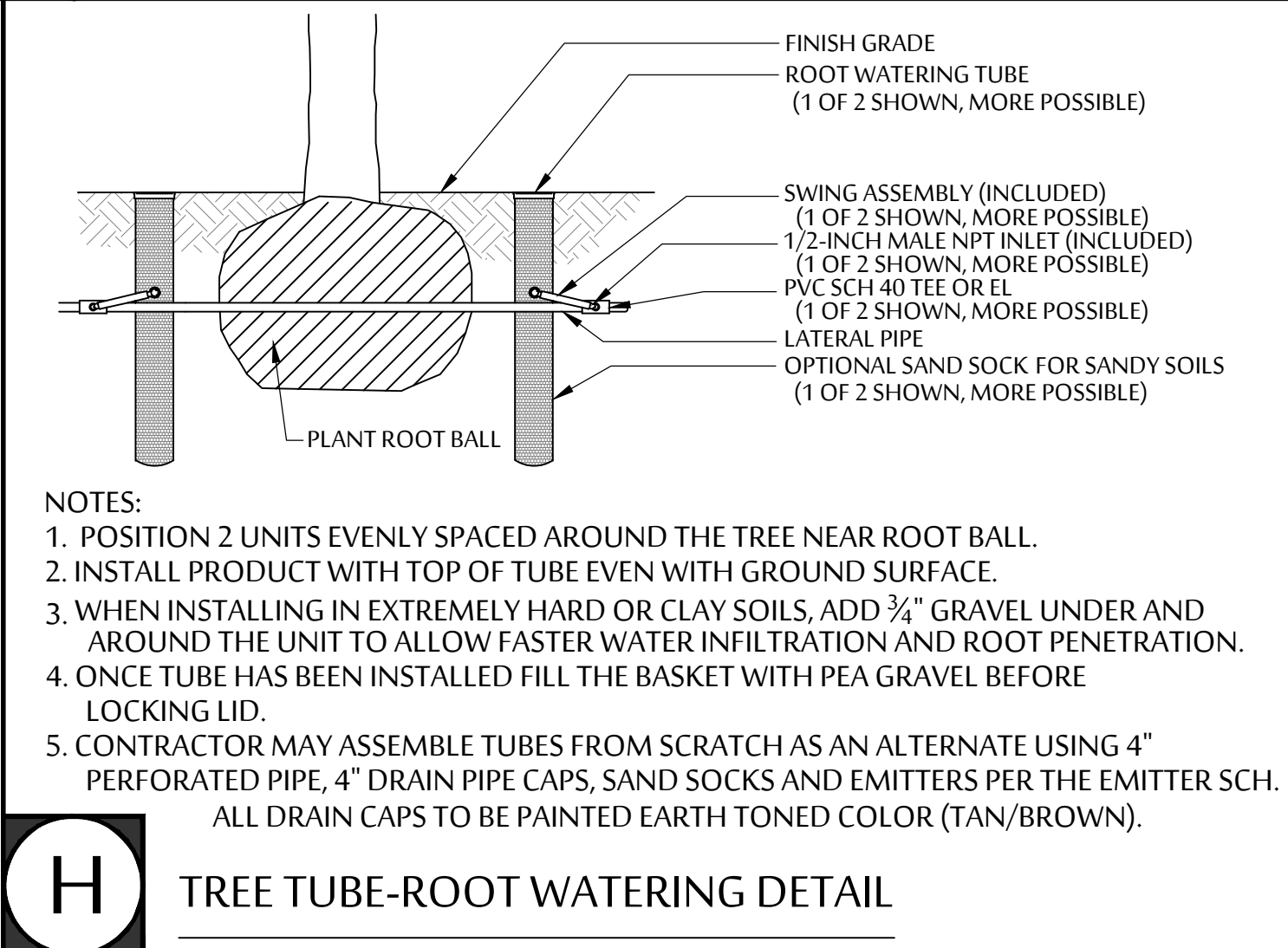
F AIR RELIEF/ FLUSH VALVE ASSEMBLY

SCALE: NTS



G MULTI-PORT EMITTER DETAIL

SCALE: NTS



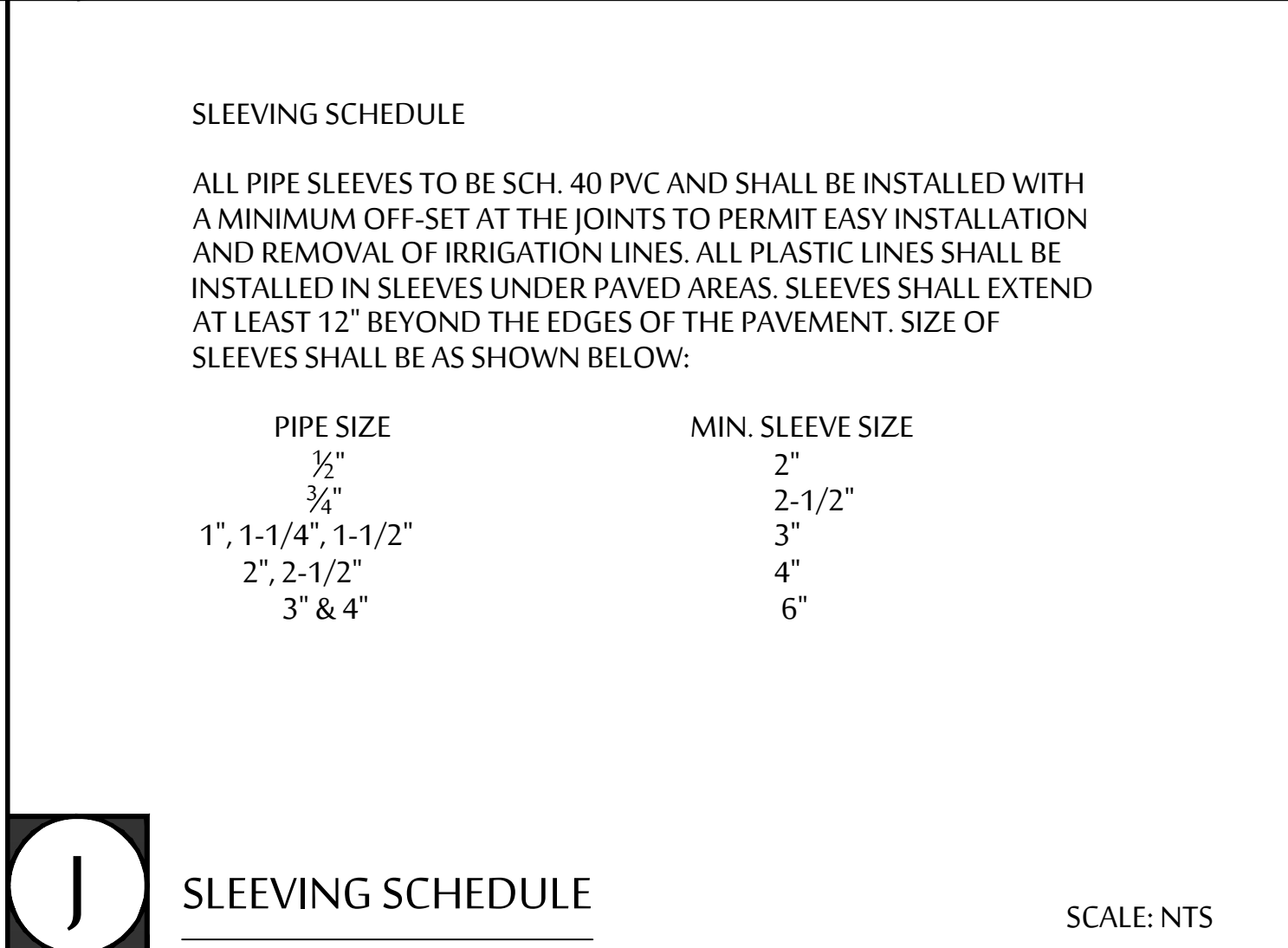
H TREE TUBE-ROOT WATERING DETAIL

PIPE SIZE	FLOW (GPM)
1/2"	0-5
3/4"	6-10
1"	11-15
1-1/4"	16-25
1-1/2"	26-35
2"	36-60
2-1/2"	61-80
3"	81-120
4"	121-200

ALL VALVE BOXES TO BE CARSON, AMETEK, OR EQUAL. ALL 1/2" LATERAL PIPE TO BE CLASS 315. ALL LATERAL PIPE ABOVE 1/2" TO BE MIN. CLASS 200. ALL MAINLINE PIPE 4" AND LARGER TO BE A MINIMUM CLASS 200 RINGTITE PIPE. MAINLINE PIPE LESS THAN 4" TO BE MINIMUM SCH. 40 PVC.

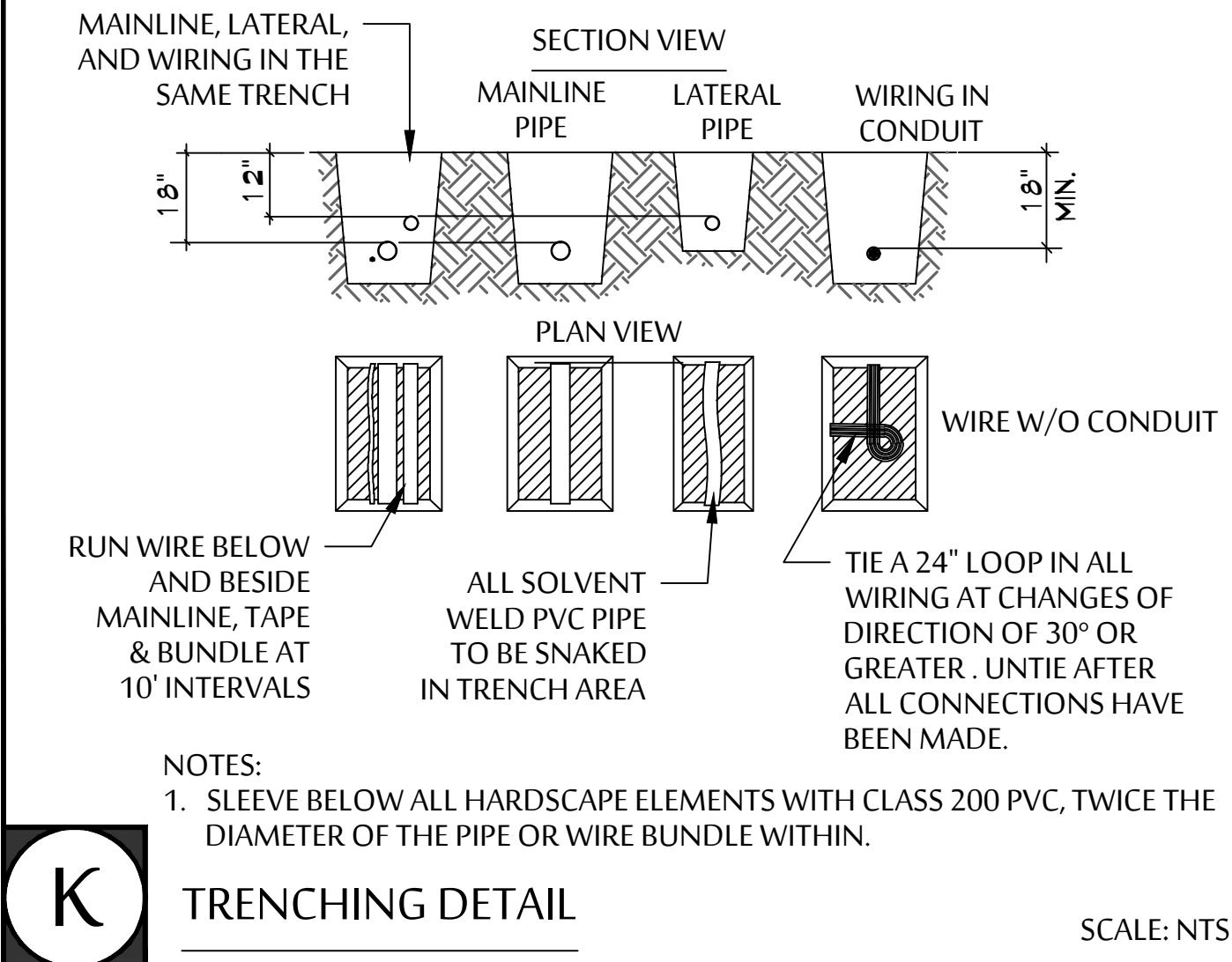
I PIPE SIZING SCHEDULE

SCALE: NTS



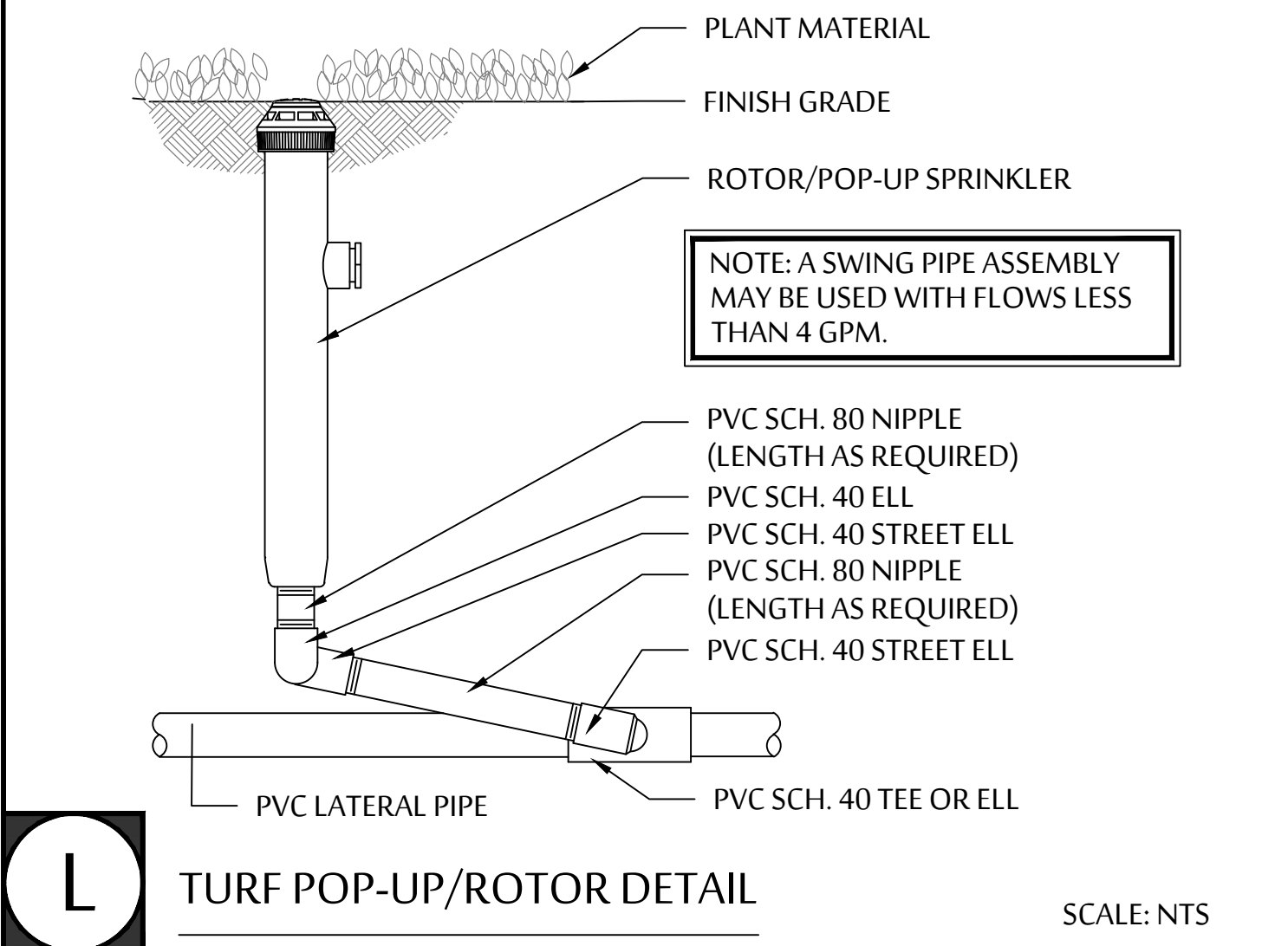
J SLEEVING SCHEDULE

SCALE: NTS



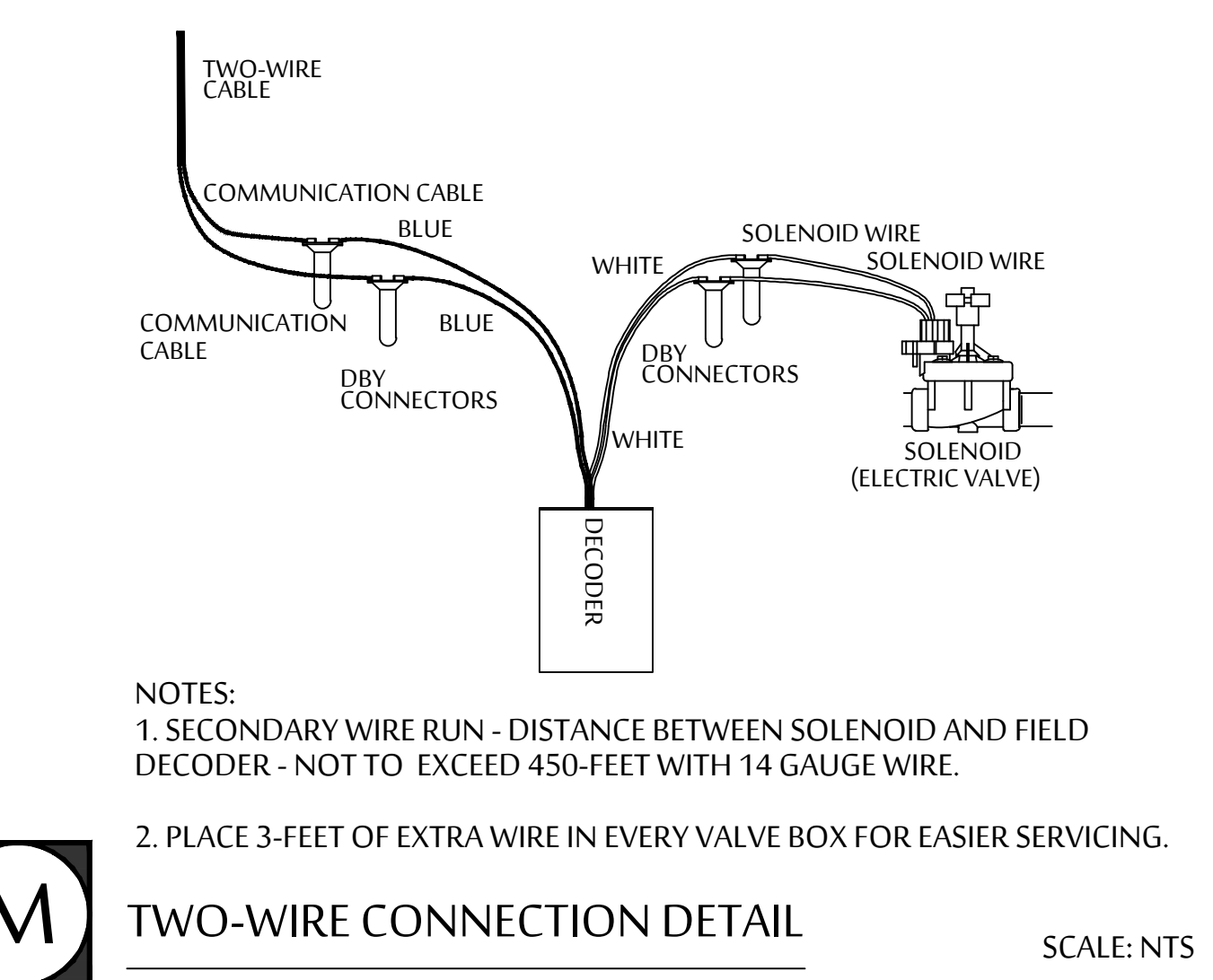
K TRENCHING DETAIL

SCALE: NTS



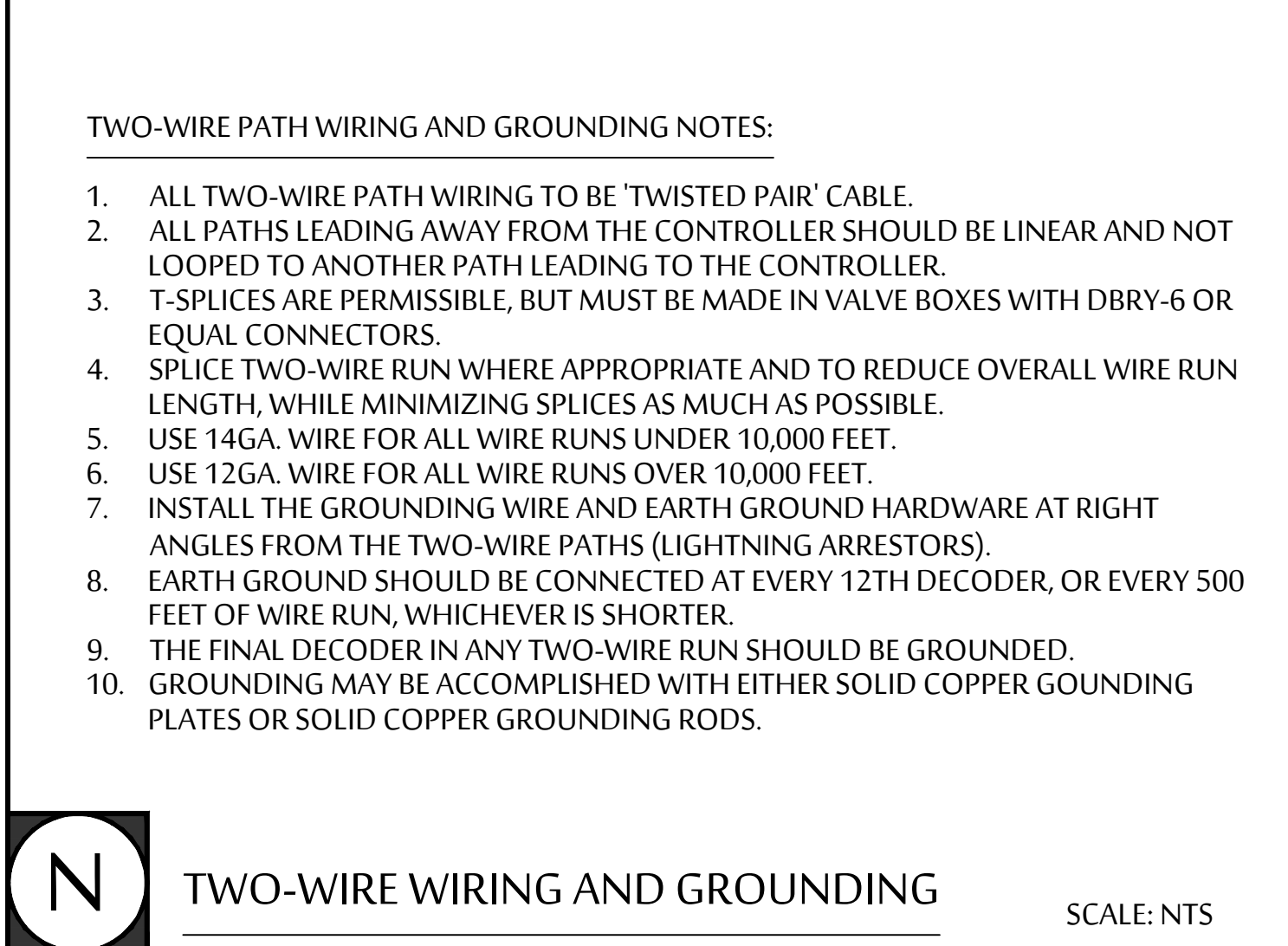
L TURF POP-UP/ROTOR DETAIL

SCALE: NTS



M TWO-WIRE CONNECTION DETAIL

SCALE: NTS

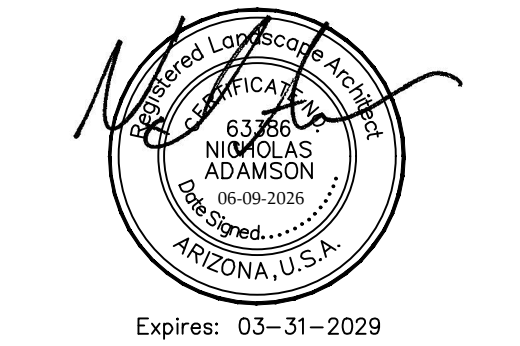


N TWO-WIRE WIRING AND GROUNDING

SCALE: NTS



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