

CITY OF KINGMAN BEALE STREET IMPROVEMENTS

PLANTING MATERIAL LEGEND

TREES	SIZE	NOTES	QTY
Existing Tree to Remain - Protect in Place			3
Existing Tree to be Removed			7
Pistacia chinensis	36" Box		46
Chinese Pistache	H 12'-14" W 6'-8" *ADWR		
Caliper Size: 3"			
Ulmus parvifolia	36" Box		60
Evergreen Elm 'Allee'	H 10'-12" W 6'-8" *ADWR		
Caliper Size: 3"			

SHRUBS / ACCENTS	QTY
Bouteloua Gracilis	288
Blue Grama 'Blonde Ambition'	can full *ADWR
Euphorbia rigida	111
Gopher Plant	can full *ADWR
Dasylirion wheeleri	57
Desert Spoon	can full *ADWR

LANDSCAPE MATERIALS	QTY
Decomposed Granite. 3/4" minus, Mohave Gold, 2" deep in planting areas per plan.	4,210 S.F.
Beatty Apache Gold Rip Rap 1.0"-4.0" Cobble Rock No More Than 2" Above Grade, LID areas per plan, 8" layer.	5,920 S.F.

*ADWR = Arizona Department of Water Resources Approved Low-Water Use Plant

** DG/Rip Rap color alternates acceptable with Owner approval

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	NOTES
WATER METER	PER LOCAL STANDARDS, NEW IRRIGATION METER - 1.0" SIZE	
RPBFA	BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y, 1.0" SIZE PER PLAN, PROVIDE METAL ENCLOSURE.	
CONTROLLER	CONTROLLER A+B = 12 STATION HUNTER XC SOLAR, PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE, PROVIDE LIGHTNING AND GROUNDING PROTECTION	
CONTROL VALVE	HUNTER SERIES ICV SIZE PER PLAN	
FLOW SENSOR	DATA INDUSTRIAL - BRASS, NTP THREADED CONNECTION, 1" SIZE.	
GATE VALVE	NIBCO MODEL# T-113, SIZE PER LINE BRONZE MATERIAL	
DRIP VALVE	HUNTER ICV SERIES WITH 150 MESH WYE-STRAINER SIZE PER PLAN	
FLUSH CAP	SPEARS FLUSH CAP 1/2" FLUSH VALVE	
PRESSURE REG.	SENNIGER 30 PSI - LOCATE IN SEPARATE BOXES MEDIUM FLOW 2-20GPM - 30 PSI (100 MESH)	
EMITTER - SP	BOWSMITH 1.0 GPH (1 PER PLANT)	
EMITTER - MP	BOWSMITH 1.0 GPH 6 PORT (2 PER TREE) GROUPS OF SHRUBS WITHIN 6'	
SERVICE POINT	CONNECT TO EXISTING POTABLE WATER SERVICE	

PIPE LEGEND	DESCRIPTION
MAINLINE - SIZE PER PLAN	PVC SCH. 40
TREE LATERAL	PVC SCH. 40 - SOLVENT WELD
SHRUB LATERAL	PVC SCH. 40 - SOLVENT WELD
WIRE SLEEVE	PVC SCH. 40 - MINIMUM 1 1/2" SIZE
PIPE SLEEVE	PVC SCH. 40 - 2 X PIPE SIZE MINIMUM

LANDSCAPE GENERAL NOTES

- PERFORM WORK IN ACCORDANCE WITH THESE PLANS, DETAILS, AND SPECIFICATIONS.
- CAREFULLY INSPECT SITE AND VERIFY CONDITIONS PRIOR TO BIDDING. NOTIFY LANDSCAPE ARCHITECT OF DISCREPANCIES WITH THESE DOCUMENTS PRIOR TO BEGINNING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE ABOVE STANDARDS, SPECIFICATIONS AND DRAWINGS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.
- HOLD HARMLESS AND INDEMNIFICATION CLAUSE - THE CONTRACTOR SHALL AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. INCLUDING SAFETY TO ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY; REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE LANDSCAPE ARCHITECT.
- UNAUTHORIZED CHANGES TO DRAWINGS - THE LANDSCAPE ARCHITECT SHALL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USE OF DRAWINGS. CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- UNDERGROUND SERVICE ALERT - NOTIFY BLUE STAKE 48 HOURS PRIOR TO DIGGING AT 1-800-STAKE-IT. EXERCISE EXTREME CARE IN WORKING NEAR EXISTING UTILITIES. VERIFY THE LOCATION AND CONDITION OF UTILITIES PRIOR TO CONSTRUCTION.
- INSPECTIONS - NOTIFY CITY REPRESENTATIVE AND APPROPRIATE AGENCY REPRESENTATIVE AT LEAST 48 HOURS IN ADVANCE PRIOR TO REQUIRED GOVERNING AGENCY INSPECTION.
- QUANTITIES INDICATED IN DRAWINGS ARE PROVIDED AS A COURTESY ONLY. VERIFY QUANTITIES SHOWN BY CONDUCTING AN INDEPENDENT QUANTITY TAKE OFF.
- CITY OF KINGMAN AND LANDSCAPE ARCHITECT WILL DECIDE QUESTIONS RELATING TO INTERPRETATION OF DRAWINGS AND ACCEPTABLE FULFILLMENT OF THE WORK SHOWN IN CONTRACT DOCUMENTS.
- MAINTAIN PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO THE WORK AT ALL TIMES INCLUDING WEEKENDS AND HOLIDAYS. DISPOSE OF RUBBLE, TRASH, OR DISPOSABLE ITEMS RESULTING FROM DEMOLITION IN A LEGAL, LAWFUL, AND SAFE MANNER TO AN APPROVED DISPOSAL SITE.
- APPLY PRE-EMERGENT AFTER COMPLETION OF EARTHWORK, LEACHING, BED PREPARATION AND FINE GRADING PRIOR TO TOP DRESS.
- ALL EXISTING LANDSCAPE AREAS OUTSIDE THE PROJECT AREA THAT ARE DISTURBED BY ANY ACTIVITY UNDER THIS CONTRACT SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION AND TO THE SATISFACTION OF THE CITY AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL PROVIDE FLAGGED AND/OR STAKED LAYOUT OF ALL PLANTING LOCATIONS FOR REVIEW AND ADJUSTMENT, IF NECESSARY, BY THE CITY'S REPRESENTATIVE PRIOR TO STARTING IRRIGATION OR PLANT PIT EXCAVATIONS.
- ANY AND ALL PLANTS OR TREES, NOT DESIGNATED TO BE REMOVED, WHICH ARE DISTURBED OR DAMAGED AS A RESULT OF WORK UNDER THIS CONTRACT SHALL BE REPLACED AT CONTRACTOR'S EXPENSE WITH A PLANT OF EQUAL OR BETTER QUALITY AND OF THE SAME SIZE AND SPECIES OF THE ORIGINAL EXISTING PLANT UNLESS OTHERWISE DIRECTED BY THE CITY'S REPRESENTATIVE.
- CONTRACTOR SHALL FINE GRADE AREAS PRIOR TO PLANTING. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC., FROM THE SITES, FORMING LOW-FLOW CHANNEL FOOTPRINTS AS NOTED ON THE PLANS, BACKFILLING BEHIND BOULDERS ON LOW-FLOW CHANNEL SLOPES, AND ENSURE POSITIVE DRAINAGE.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS, WALLS, UTILITY EQUIPMENT, ETC.
- THE IRRIGATION SYSTEM IS TO BE FULLY OPERATIONAL AND EFFECTIVE PRIOR TO THE INSTALLATION OF PLANT MATERIAL.

HARDSCAPE GENERAL NOTES

- CONTRACTOR SHALL LAYOUT AND VERIFY ALL HARDSCAPE ELEMENTS PRIOR TO CONSTRUCTION FOR REVIEW BY THE LANDSCAPE ARCHITECT OR CITY'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT THE CITY'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES EXIST. THE CONTRACTOR SHALL SUBMIT IN WRITING SUGGESTED MODIFICATION AND RECEIVE TRANSMITTED RECORD OF APPROVAL FROM CITY'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- DIMENSIONS SHOWN ON THIS PLAN ARE BASED ON THE DOCUMENTS SUBMITTED BY THE PROJECT CIVIL ENGINEER. THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES OCCUR. THE CONTRACTOR SHALL SUBMIT IN WRITING SUGGESTED MODIFICATION AND RECEIVE TRANSMITTED RECORD OF APPROVAL FROM OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY FIELD REVISIONS.
- REFER TO CONSTRUCTION DOCUMENTS PREPARED BY THE PROJECT CIVIL ENGINEER FOR ALL INFORMATION REGARDING HORIZONTAL AND VERTICAL CONTROL DIMENSIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL STRUCTURES REPRESENTED IN THE CONTRACT DOCUMENTS REVIEWED BY A REGISTERED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION UNLESS OTHERWISE STATED.
- FOOTINGS, WALLS, AND FENCES SHALL BE PLACED WITHIN THE CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL HAVE SIDEWALKS SURVEYED AND STAKED FOR REVIEW BY THE ENGINEER / OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE FOR SITE REVIEW.
- CONTRACTORS SHOULD PREPARE A 4'X4' SAMPLE PANEL FOR EACH TYPE OF HARDSCAPE MATERIALS SPECIFIED IN THE CONTRACT DOCUMENTS FOR APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING STAINS AND SPILLS ON FINISHED HARDSCAPE IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING FINISHED WORK UNTIL PROJECT ACCEPTANCE BY CITY'S REPRESENTATIVE.

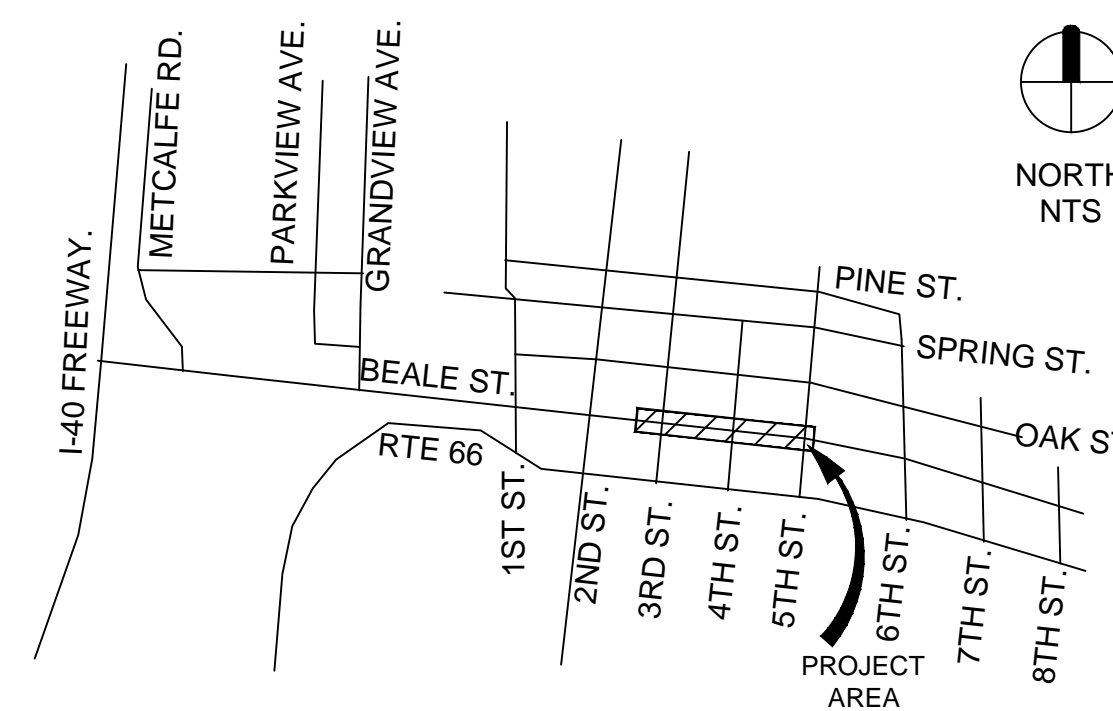
SHEET INDEX

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L3.0	LANDSCAPE DETAILS
L4.0	HARDSCAPE DETAILS
L5.0-L5.1	IRRIGATION DETAILS

LANDSCAPE ARCHITECT

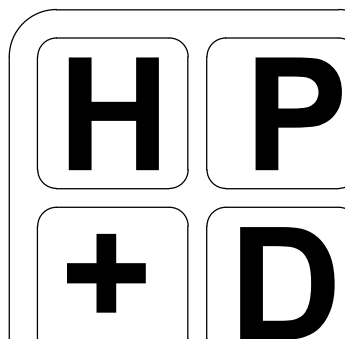
HARRINGTON PLANNING + DESIGN (HP+D)
4711 E. FALCON DRIVE, SUITE 222
MESA, ARIZONA 85215
JASON HARRINGTON, RLA, ASLA, ASIC, APWA
(480) 250-0116
JASON@HARRINGTONPLANNINGDESIGN.COM

VICINITY MAP



IRRIGATION GENERAL NOTES

- IRRIGATION PLAN IS DIAGRAMMATIC. ADJUST LOCATION OF VALVES TO PROVIDE FULL AND ADEQUATE COVERAGE OR ADD EMITTERS AS NECESSARY TO ENSURE 100% COVERAGE OF PLANT MATERIALS. PREVENT OVERSPRAY ON ADJACENT IMPROVEMENTS.
- VERIFY WATER PRESSURE IN FIELD AND NOTIFY OWNER IMMEDIATELY SHOULD A DISCREPANCY EXIST.
- SYSTEM DESIGN REQUIRES A STATIC PRESSURE OF 60 TO 75 PSI. CONTRACTOR SHALL PERFORM A FIELD VERIFICATION OF THE PRESSURE READING PRIOR TO ORDERING MATERIALS OR STARTING IRRIGATION.
- COORDINATE IRRIGATION SLEEVES LOCATION AND SIZE WITH A MINIMUM DIAMETER TWICE THE SIZE OF THE IRRIGATION LINE. EXTEND SLEEVES 12" BEYOND EDGE OF PAVEMENT, WALL, WALKS OR CURB.
- PROGRAM CONTROLLERS TO MAINTAIN SUFFICIENT FLOW RATES THROUGHOUT THE SYSTEM. ADJUST AS REQUIRED FOR SEASON AND PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
- LOCATE TAN COLOR (CARSON OR EQUAL) VALVE BOXES (IRRIGATION, GATE VALVE, FLUSH CAP, CONTROL WIRE AND OTHERS) IN PLANTER AREAS. DO NOT LOCATE VALVE BOXES IN A LAWN OR HARDSCAPE UNLESS REQUIRED AND APPROVED BY OWNER.
- ALL IRRIGATION EQUIPMENT DESCRIBED IN LEGEND WILL BE ACCEPTED AS APPROVED EQUALS FOR PERFORMANCE. CONTRACTOR MAY SUBMIT FOR REVIEW EQUAL PERFORMANCE EQUIPMENT.
- MAINTAIN OR RESTORE ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS IMPACTED BY ANY WORK PERFORMED UNDER THIS CONTRACT. RESTORE IRRIGATION TO PROVIDE 100% SERVICE AND COVERAGE.
- CONTRACTOR SHALL REVIEW AND FIELD VERIFY LAYOUT OF ALL IRRIGATION SYSTEM COMPONENTS AND HAVE THE LAYOUT APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO STARTING INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PIPING NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL IRRIGATION SYSTEM INCLUDING ALL SUB-LATERAL PIPING, FITTINGS, AND RISERS TO EACH PLANT EMITTER AS SPECIFIED AND AS DETAILED, WHETHER OR NOT PIPING IS SHOWN ON THE PLANS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SLEEVING WITH OTHER CONTRACTORS PRIOR TO CONSTRUCTION OF PAVEMENT, WALKS, AND OTHER HARDSCAPE FEATURES.
- THREADED JOINTS SHALL BE WRAPPED WITH TEFLON TAPE UNLESS OTHERWISE SPECIFIED BY MANUFACTURER. USE LIQUID TEFLON ON METAL PIPE THREADS ONLY.
- VALVE CORNERS, VAULT BOXES, ETC. SHALL BE PLACED SO THE EDGES ARE PARALLEL OR PERPENDICULAR TO ADJACENT HARD EDGES. TOP OF BOX IS TO BE FLUSH WITH GRADE. TOP SURFACE OF BOX SHALL BE INSTALLED SO THAT A SMOOTH SURFACE IS CREATED IN RELATION TO EXISTING GRADES.
- NO PVC PIPING SHALL BE LOCATED UNDER TREE ROOTBALLS.



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CITY OF KINGMAN
BEALE STREET IMPROVEMENTS
Beale Street
Kingman, Arizona 86401

REV.	COMMENT	DATE

100% Submittal VE	06.06.23
100% Submittal	01.18.23
90% Submittal R1	12.05.22
90% Submittal	03.04.22
60% Submittal	08.06.21
30% Submittal	04.12.21
ISSUE	DATE

LANDSCAPE PACKAGE

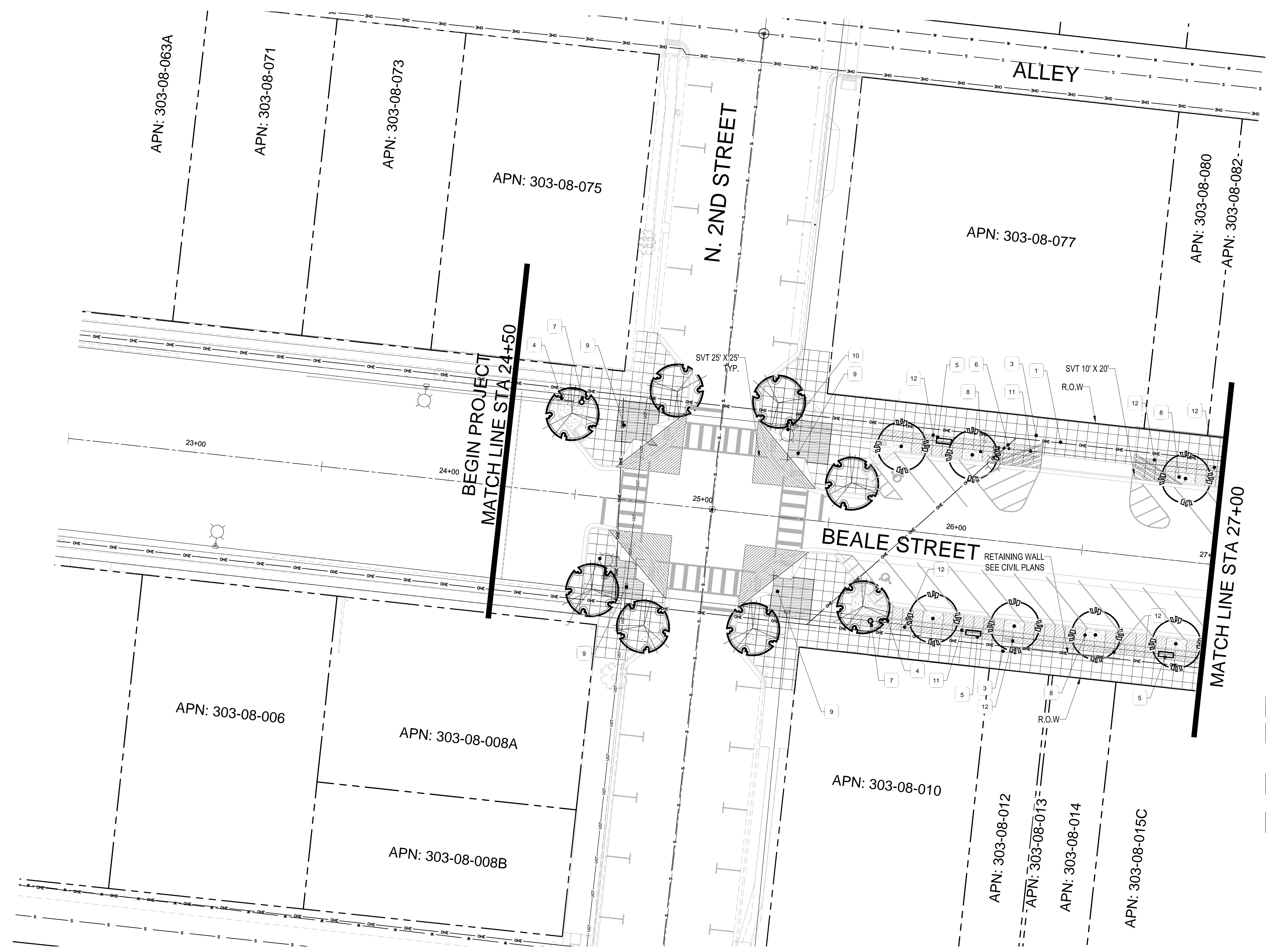
DATE:	June 6, 2023
DRAWN BY:	BZS
CHECK BY:	JEH
PROJ. NO.:	2020-007
CASE NO.:	17-2597

LANDSCAPE COVER

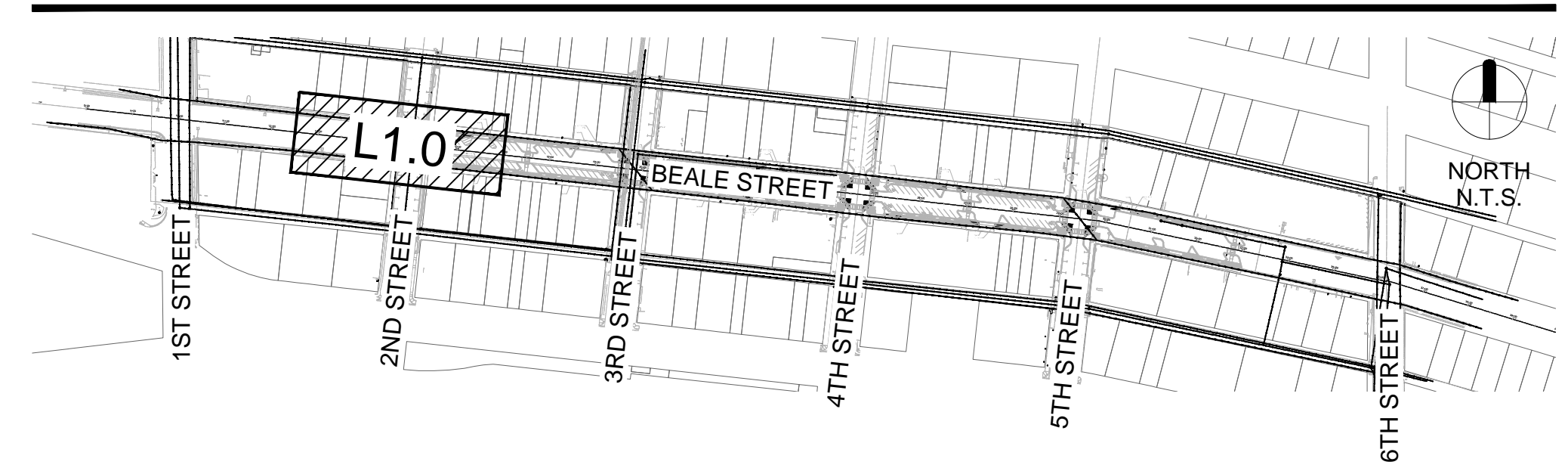
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KEY MAP



PLANTING MATERIAL LEGEND

TREES	SIZE	NOTES	QTY
	Existing Tree to Remain - Protect in Place		3
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	Pistacia chinensis Chinese Pistache Caliper Size: 3"	36" Box H 12'-14' W 6'-8" *ADWR	46
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LANDSCAPE MATERIALS			
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 ** DG/Rip Rap color alternates acceptable with Owner approval

NOTES

- SEE CIVIL PLANS FOR REMOVALS AND PROTECTIONS.
- MATCH PROPOSED HARDSCAPE TO EXISTING.

KEYNOTE LEGEND

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	EX. FIRE HYDRANT, SEE CIVIL PLANS FOR PROTECT IN PLACE OR RELOCATION INSTRUCTIONS
	PEDESTRIAN SIDEWALK ZONE - CONCRETE, 4' X 4' SCORE PATTERN, STANDARD CONCRETE, MEDIUM BROOM FINISH
	NEW WAYFINDING SIGN, SEE DET.
	SITE FURNISHING - BENCH, 6'-0" MAPLE BENCH LASER CUT BACKREST BY PREMIER SITE FURNITURE, SEE DET., FINISH BLACK, SURFACE MOUNT
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	STORY TELLING NODE - 16"X48", HISTORICAL PAVEMENT, MATERIAL PROVIDED BY CITY OF KINGMAN, SAND SET

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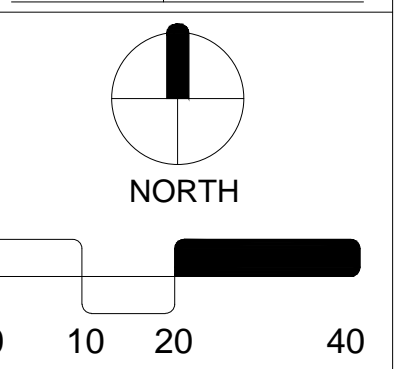
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LANDSCAPE PACKAGE

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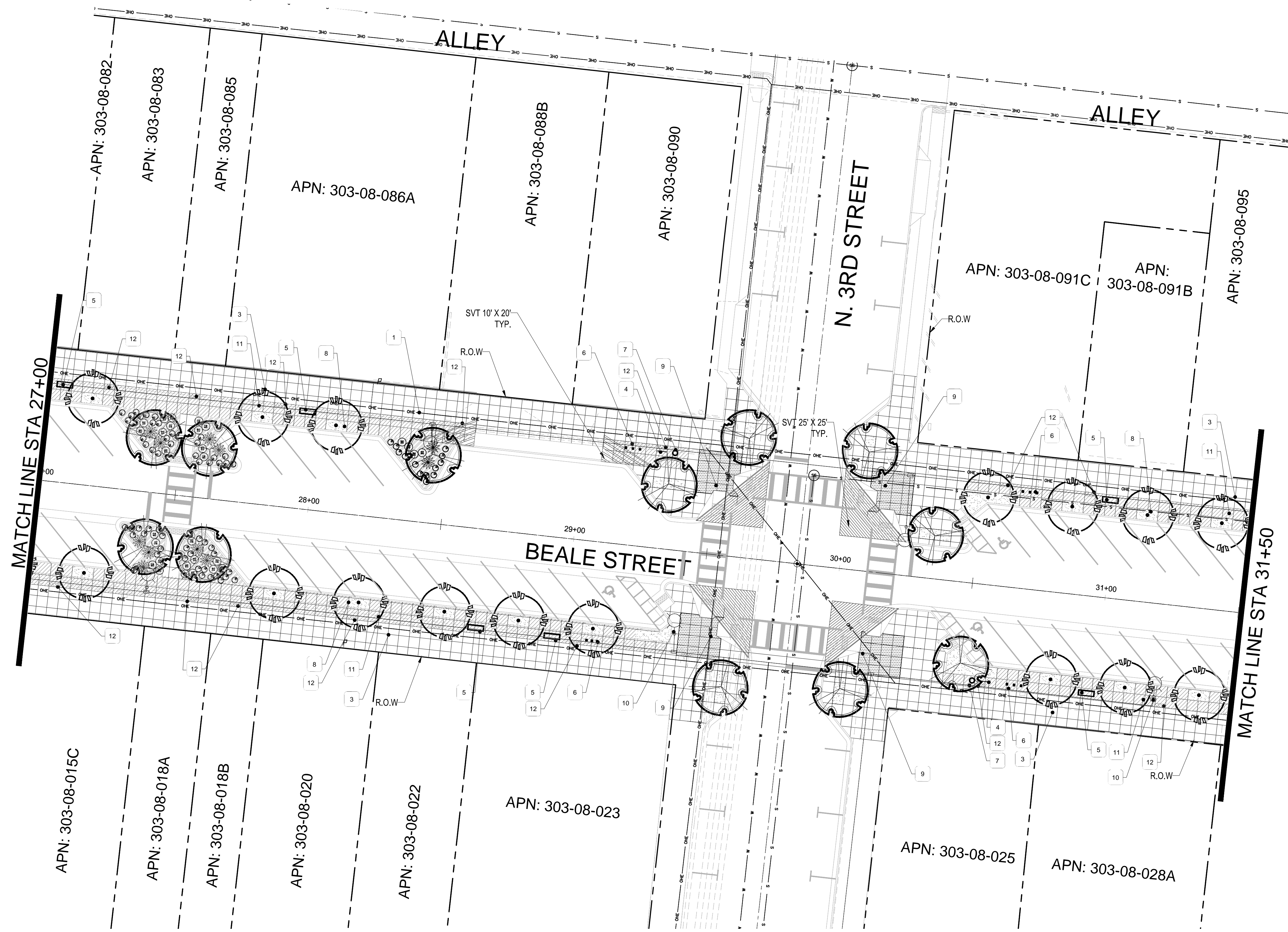


LANDSCAPE PLAN

L1.0
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ARIZONA BLUESTAKE CENTER
 CALL TWO WORKING DAYS BEFORE YOU DIG
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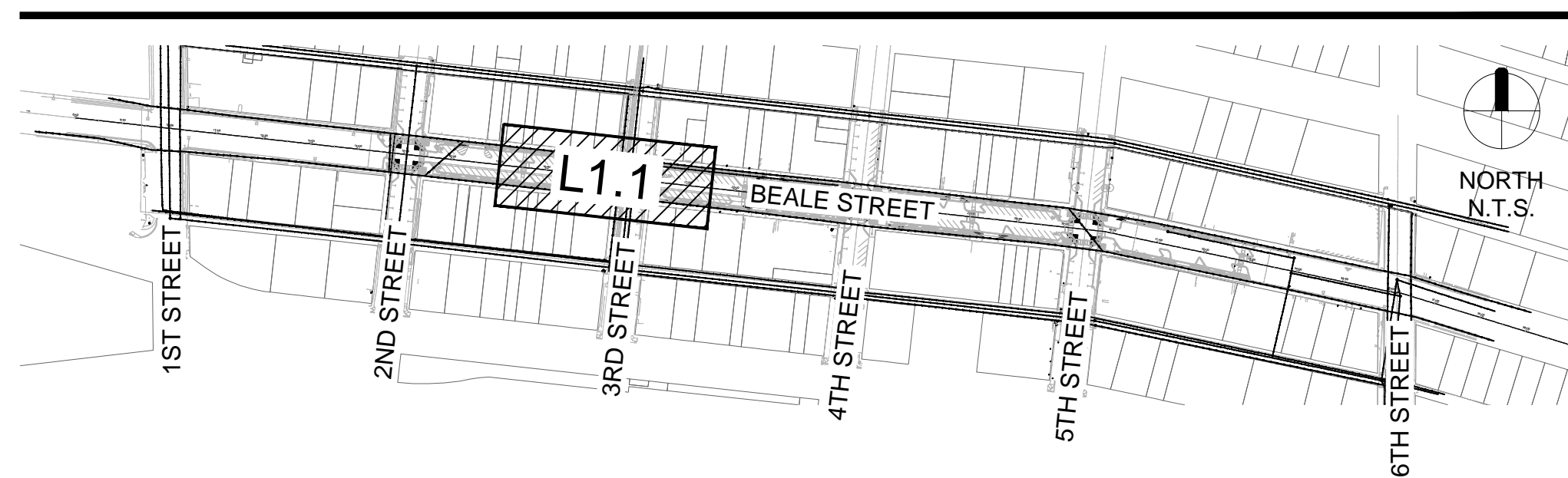
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LANDSCAPE ARCHITECT
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JASON E.
HARRINGTON
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ARIZONA U.S.A.

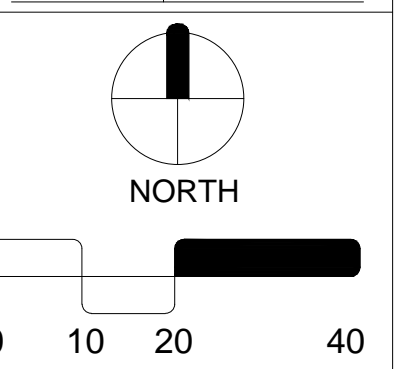
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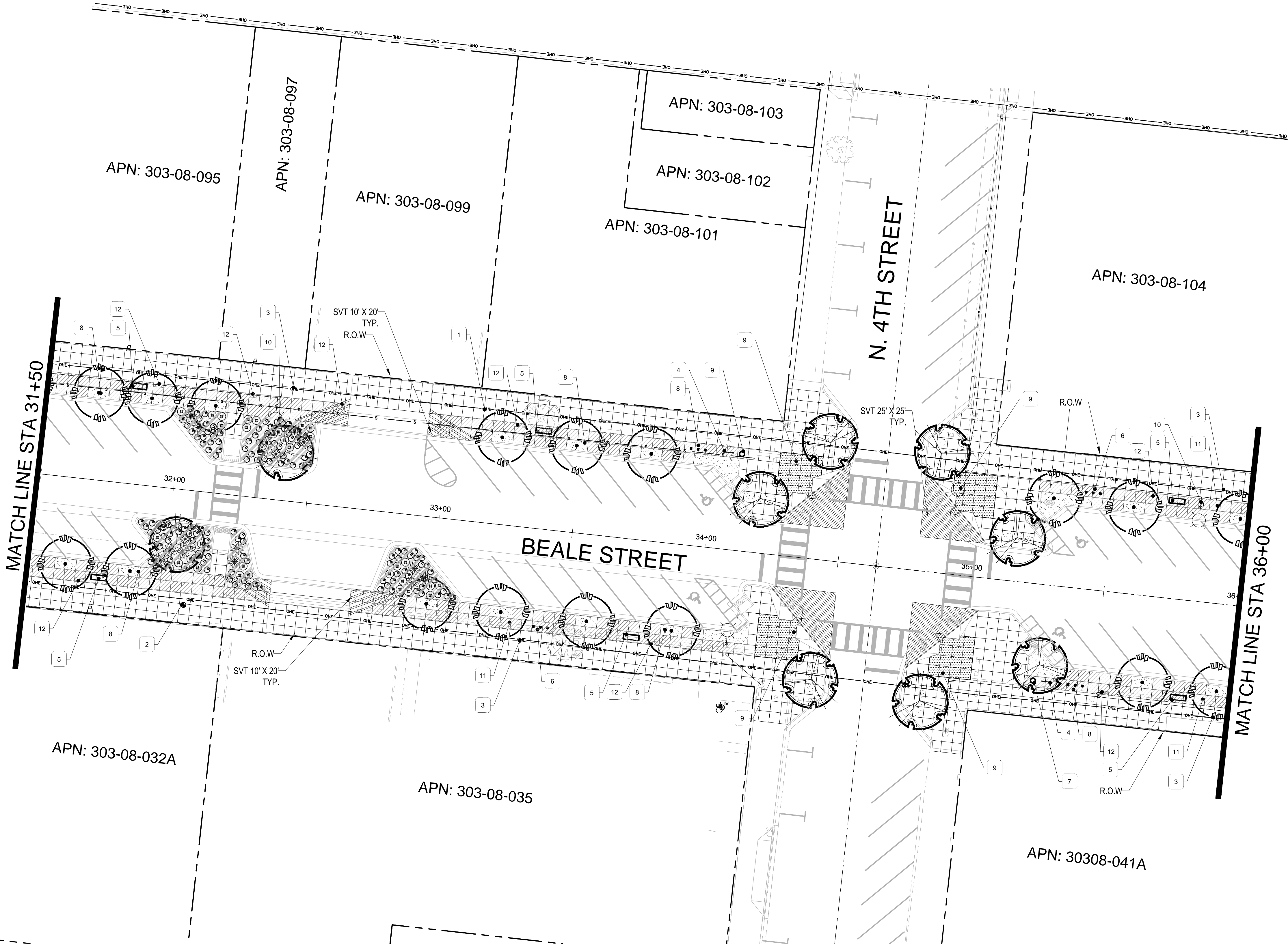


LANDSCAPE PLAN

L1.1
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	STORY TELLING NODE - 16"X48", HISTORICAL PAVEMENT, MATERIAL PROVIDED BY CITY OF KINGMAN, SAND SET

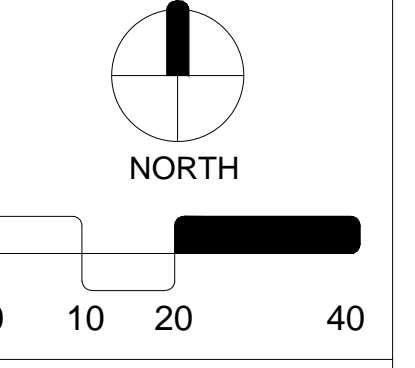
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LANDSCAPE ARCHITECT
 44161
 JASON E.
 HARRINGTON
 06.06.23
 ARIZONA U.S.A.

CITY OF KINGMAN
BEALE STREET IMPROVEMENTS
 Beale Street
 Kingman, Arizona 86401

REV.	COMMENT	DATE
100% Submittal VE		06.06.23
100% Submittal		01.18.23
90% Submittal R1		12.05.22
90% Submittal		03.04.22
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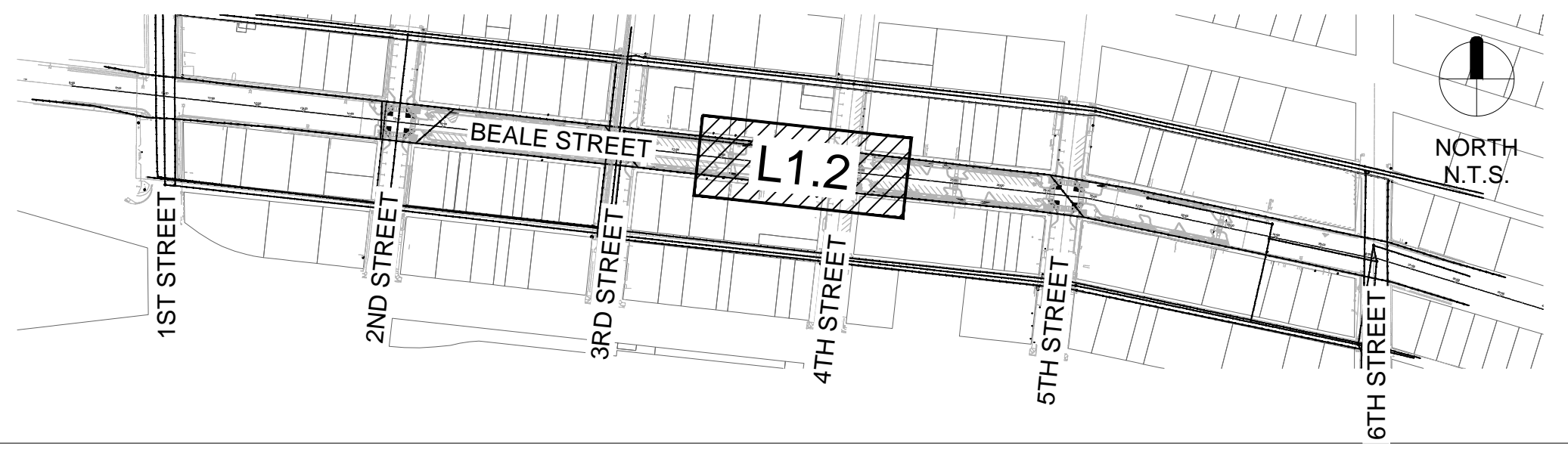
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 PROJ. NO.: 2020-007
 CASE NO.: 17-2597



LANDSCAPE PLAN

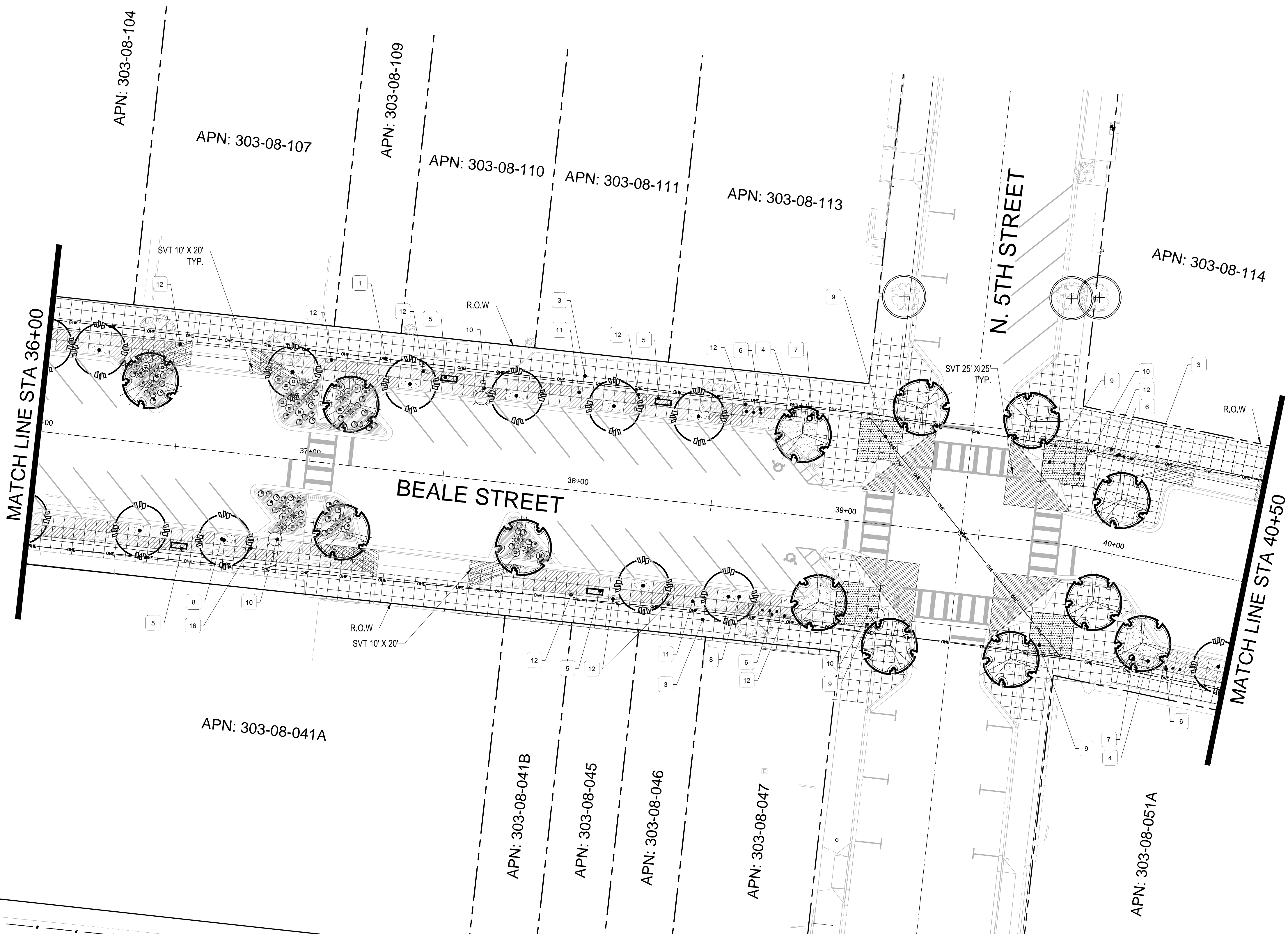
L1.2
 41 of 52

KEY MAP



ARIZONA BLUESTAKE CENTER
 CALL TWO WORKING DAYS BEFORE YOU DIG
1.800.782.5348

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PLANTING MATERIAL LEGEND

TREES	SIZE	NOTES	QTY
Existing Tree to Remain - Protect in Place			3
Existing Tree to be Removed			7
Pistacia chinensis Chinese Pistache Caliper Size: 3"	36" Box H 12'-14' W 6'-8'	*ADWR	46
Ulmus parvifolia Evergreen Elm 'Allee' Caliper Size: 3"	36" Box H 10'-12' W 6'-8'	*ADWR	60
SHRUBS / ACCENTS			QTY
Bouteloua Gracilis Blue Grama 'Blonde Ambition'	5 Gallon can full	*ADWR	288
Euphorbia rigida Gopher Plant	5 Gallon can full	*ADWR	111
Dasyliroon wheeleri Desert Spoon	5 Gallon can full	*ADWR	57
LANDSCAPE MATERIALS			
Decomposed Granite, 3/4" minus, Mohave Gold, 2" deep in planting areas per plan.			4,210 S.F.
Beatty Apache Gold Rip Rap 1.0"-4.0" Cobble Rock No More Than 2" Above Grade, LID areas per plan, 8" layer.			5,920 S.F.

*ADWR = Arizona Department of Water Resources Approved Low-Water Use Plant
** DG/Rip Rap color alternates acceptable with Owner approval

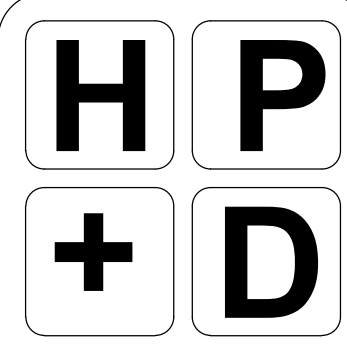
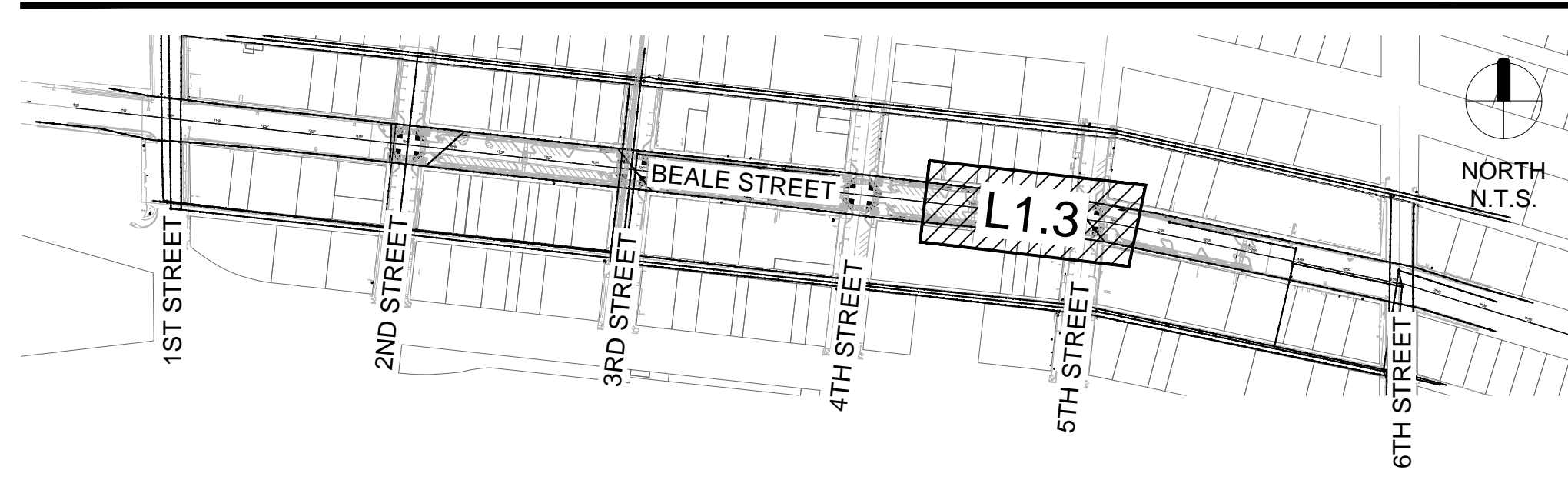
NOTES

- SEE CIVIL PLANS FOR REMOVALS AND PROTECTIONS.
- MATCH PROPOSED HARDSCAPE TO EXISTING.

KEYNOTE LEGEND

- KEY
- 1 EX. UTILITY FACILITY, SEE CIVIL PLANS FOR PROTECT IN PLACE OR RELOCATION INSTRUCTIONS
 - 2 EX. FIRE HYDRANT, SEE CIVIL PLANS FOR PROTECT IN PLACE OR RELOCATION INSTRUCTIONS
 - 3 PEDESTRIAN SIDEWALK ZONE - CONCRETE, 4' X 4' SCORE PATTERN, STANDARD CONCRETE, MEDIUM BROOM FINISH
 - 4 NEW WAYFINDING SIGN, SEE DET.
 - 5 SITE FURNISHING - BENCH, 6'-0" MAPLE BENCH LASER CUT BACKREST BY PREMIER SITE FURNITURE, SEE DET., FINISH BLACK, SURFACE MOUNT
 - 6 SITE FURNISHING - BIKE RACK, MADRAX PIERCE SERIES POST, SEE DET., FINISH BLACK, SURFACE MOUNT
 - 7 SITE FURNISHING - TRASH RECEPTACLE, OAK RECEPTACLE LASER CUT LOGO BY PREMIER SITE FURNITURE, SEE DET., FINISH BLACK, SURFACE MOUNT
 - 8 LANDSCAPE AREA, SEE LS LEGEND FOR DG SIZE & COLOR
 - 9 INTERSECTION NODE PAVEMENT, EXPOSED AGGREGATE PAVEMENT, SOLOMON COLOR - 489 DARKER REDWOOD, OR APPROVED FINISH
 - 10 NEW LIGHTING, SEE ELECTRICAL PLANS
 - 11 STAINED CONCRETE, 4'X4' SCORE PATTERN, MEDIUM BROOM FINISH, SOLOMON COLOR - 489 DARKER REDWOOD, OR APPROVED FINISH
 - 12 STORY TELLING NODE - 16"X48", HISTORICAL PAVEMENT, MATERIAL PROVIDED BY CITY OF KINGMAN, SAND SET

KEY MAP



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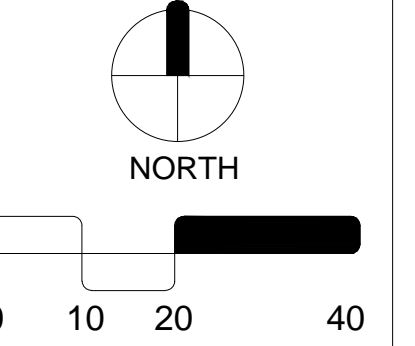


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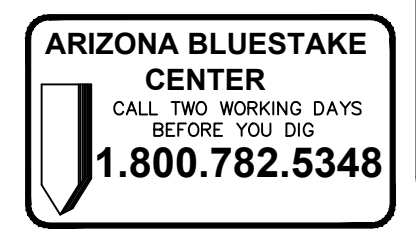
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June 6, 2023
DRAWN BY: BZS
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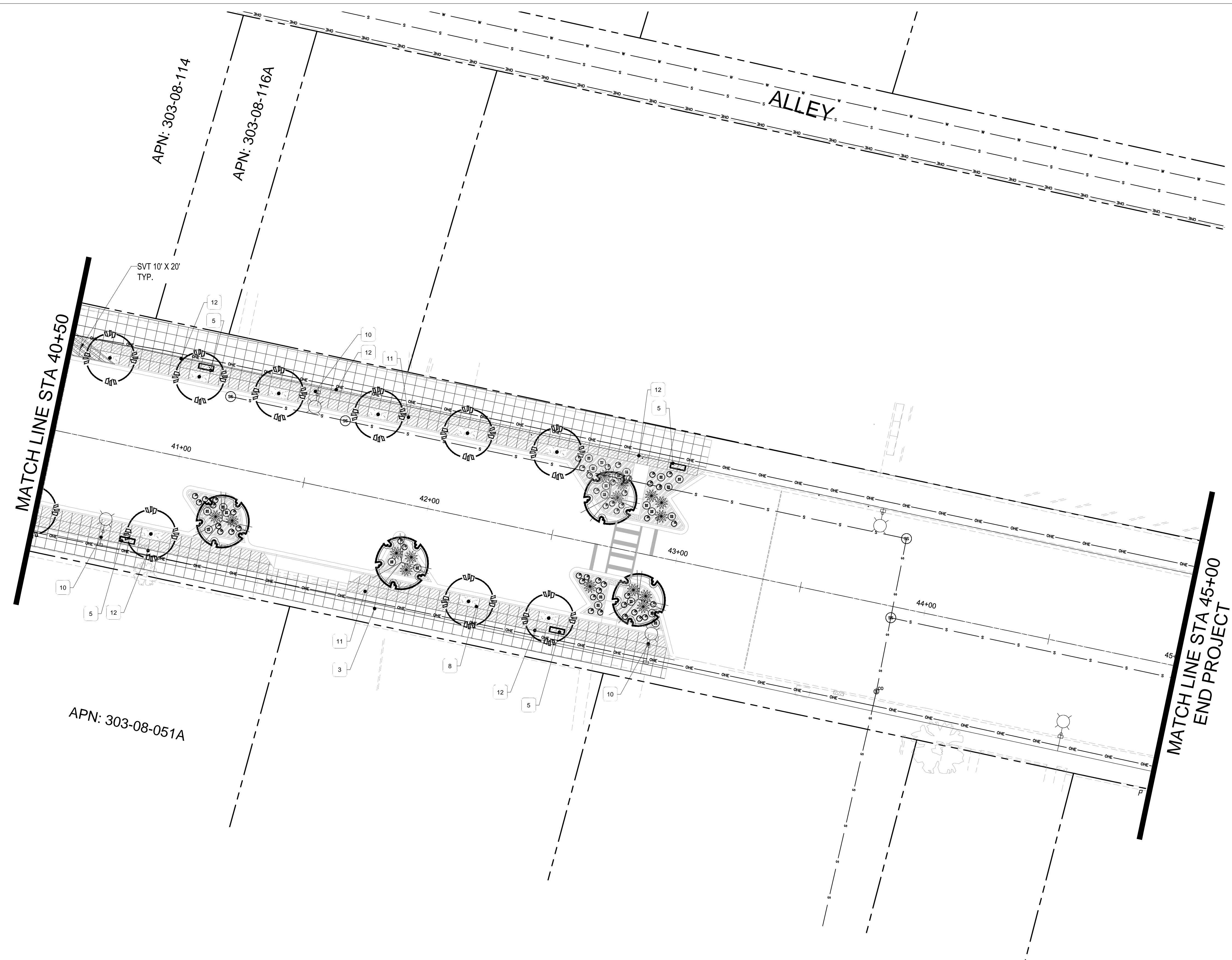


LANDSCAPE PLAN

L1.3
42 of 52



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 ** DG/Rip Rap color alternates acceptable with Owner approval

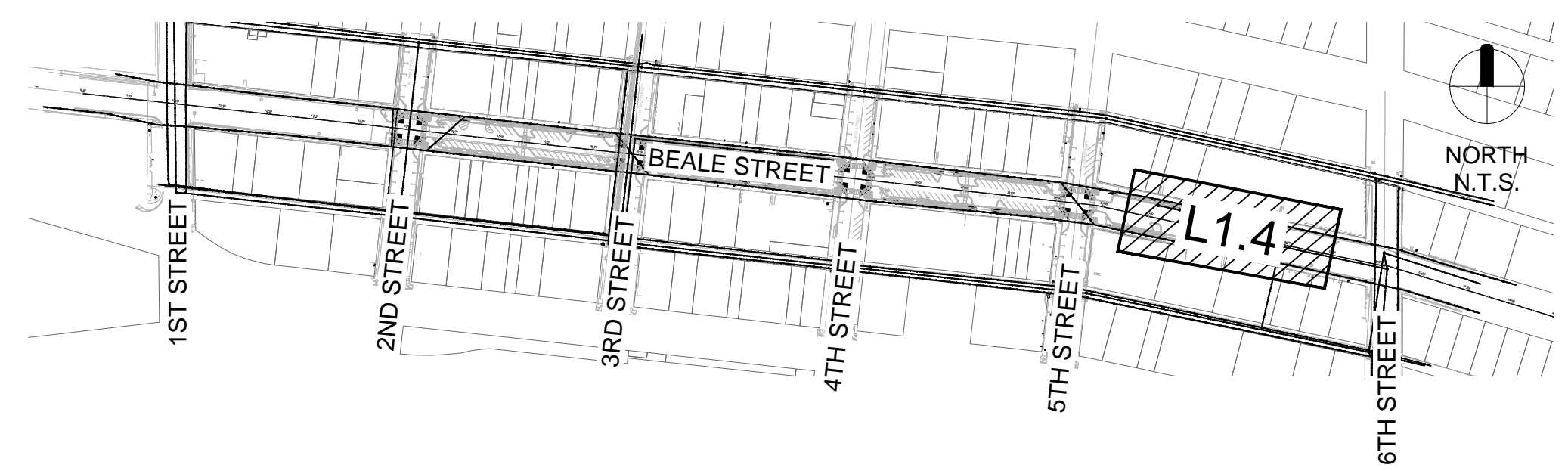
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KEY MAP



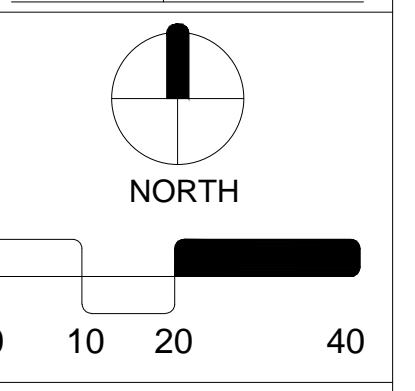
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LANDSCAPE PLAN
L1.4
 43 of 52

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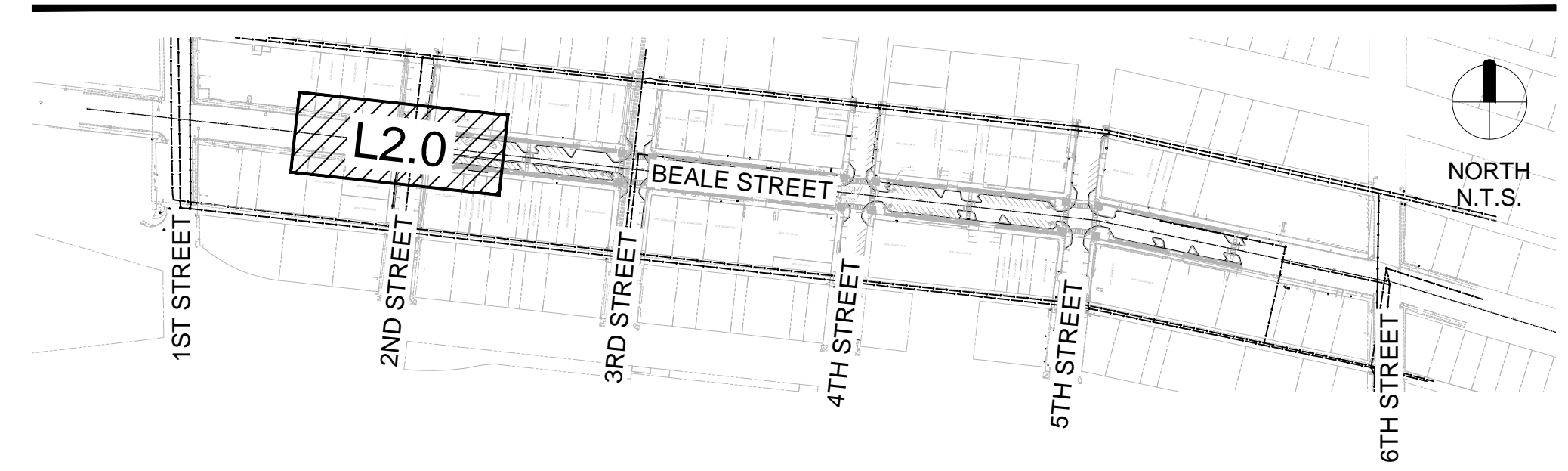


IRRIGATION LEGEND

- SYMBOL
- WATER METER PER LOCAL STANDARDS, NEW IRRIGATION METER - 1.0" SIZE
 - RPBFA BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y, 1.0" SIZE PER PLAN, PROVIDE METAL ENCLOSURE.
 - CONTROLLER CONTROLLER A+B = 12 STATION HUNTER XC SOLAR, PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE, PROVIDE LIGHTNING AND GROUNDING PROTECTION
 - CONTROL VALVE HUNTER SERIES ICV SIZE PER PLAN
 - FLOW SENSOR DATA INDUSTRIAL - BRASS, NTP THREADED CONNECTION, 1" SIZE.
 - GATE VALVE NIBCO MODEL# T-113, SIZE PER LINE BRONZE MATERIAL
 - DRIP VALVE HUNTER ICV SERIES WITH 150 MESH WYE-STRAINER SIZE PER PLAN
 - FLUSH CAP SPEARS FLUSH CAP
 - PRESSURE REG. SENNIGER 30 PSI - LOCATE IN SEPARATE BOXES MEDIUM FLOW 2-20GPM - 30 PSI (100 MESH)
 - EMITTER - SP BOWSMITH 1.0 GPH (1 PER PLANT)
 - EMITTER - MP BOWSMITH 1.0 GPH 6 PORT (2 PER TREE) GROUPS OF SHRUBS WITHIN 6'.
 - SERVICE POINT CONNECT TO EXISTING POTABLE WATER SERVICE

- PIPE LEGEND
- MAINLINE - SIZE PER PLAN PVC SCH. 40
 - TREE LATERAL PVC SCH. 40 - SOLVENT WELD
 - SHRUB LATERAL PVC SCH. 40 - SOLVENT WELD
 - WIRE SLEEVE PVC SCH. 40 - MINIMUM 1 1/2" SIZE
 - PIPE SLEEVE PVC SCH. 40 - 2 X PIPE SIZE MINIMUM

KEY MAP



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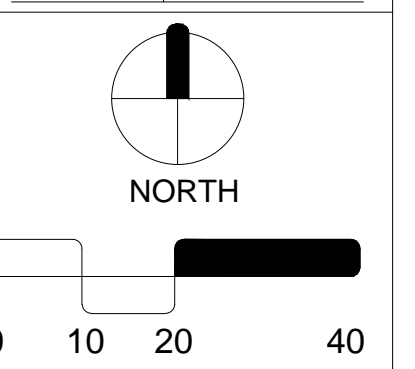
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LANDSCAPE PACKAGE

June 6, 2023

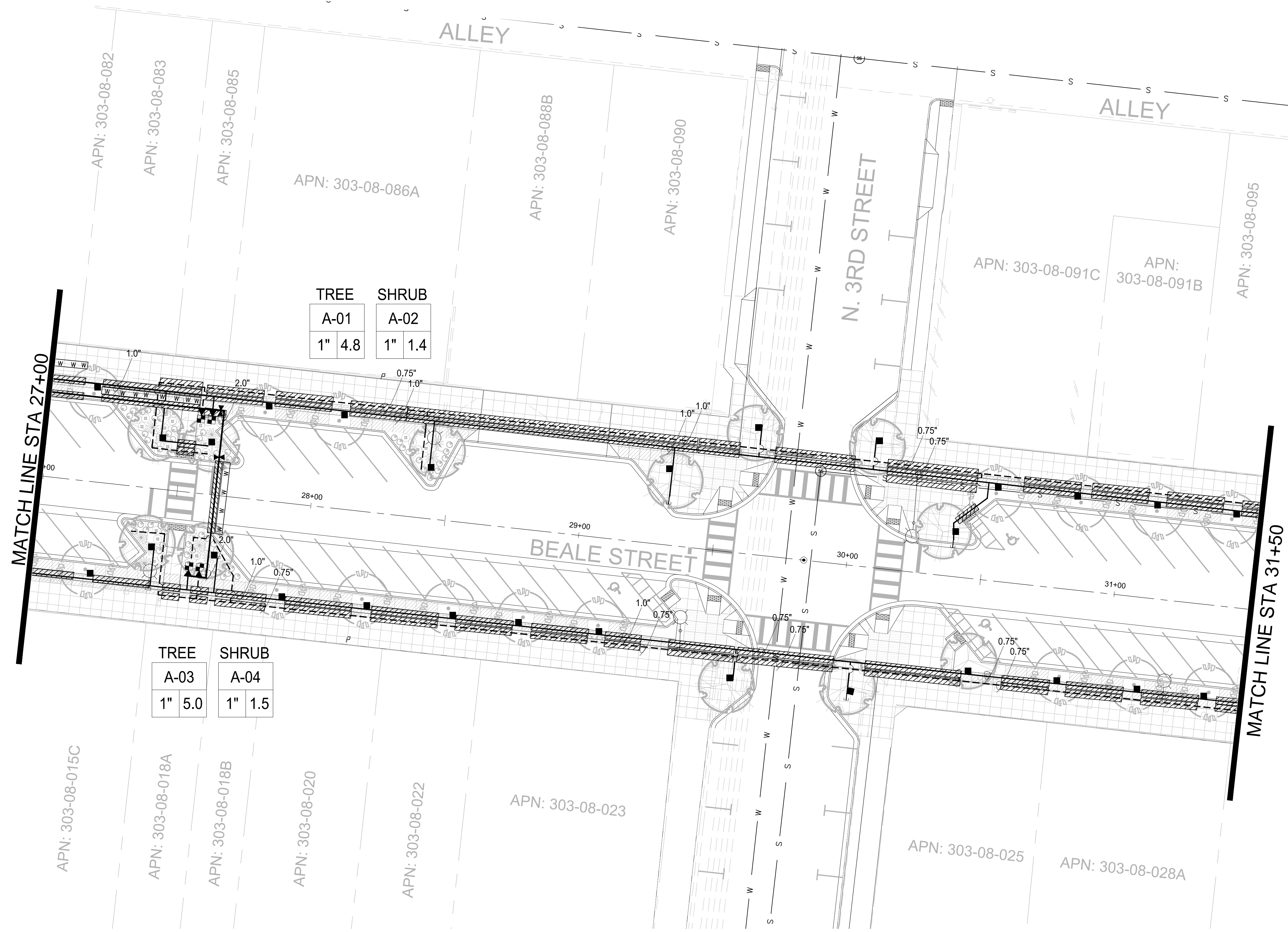
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IRRIGATION PLAN
L2.0
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IRRIGATION LEGEND

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 - ⊙ RPBFA BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y, 1.0" SIZE PER PLAN, PROVIDE METAL ENCLOSURE.
 - △ CONTROLLER CONTROLLER A+B = 12 STATION HUNTER XC SOLAR. PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE. PROVIDE LIGHTNING AND GROUNDING PROTECTION
 - ⊕ CONTROL VALVE HUNTER SERIES ICV SIZE PER PLAN
 - ⊙ FLOW SENSOR DATA INDUSTRIAL - BRASS, NTP THREADED CONNECTION. 1" SIZE.
 - ⊗ GATE VALVE NIBCO MODEL# T-113, SIZE PER LINE BRONZE MATERIAL
 - ⊕ DRIP VALVE HUNTER ICV SERIES WITH 150 MESH WYE-STRAINER SIZE PER PLAN
 - ⊕ FLUSH CAP SPEARS FLUSH CAP
 - ▶ PRESSURE REG. SENNIGER 30 PSI - LOCATE IN SEPARATE BOXES MEDIUM FLOW 2-20GPM - 30 PSI (100 MESH)
 - NS EMITTER - SP BOWSMITH 1.0 GPH (1 PER PLANT)
 - EMITTER - MP BOWSMITH 1.0 GPH 6 PORT (2 PER TREE) GROUPS OF SHRUBS WITHIN 6'
 - SERVICE POINT CONNECT TO EXISTING POTABLE WATER SERVICE

- PIPE LEGEND**
- MAINLINE - SIZE PER PLAN PVC SCH. 40
 - TREE LATERAL PVC SCH. 40 - SOLVENT WELD
 - - - SHRUB LATERAL PVC SCH. 40 - SOLVENT WELD
 - WIRE SLEEVE PVC SCH. 40 - MINIMUM 1 1/2" SIZE
 - ▨ PIPE SLEEVE PVC SCH. 40 - 2 X PIPE SIZE MINIMUM

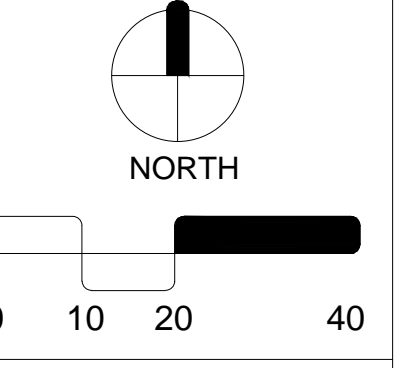
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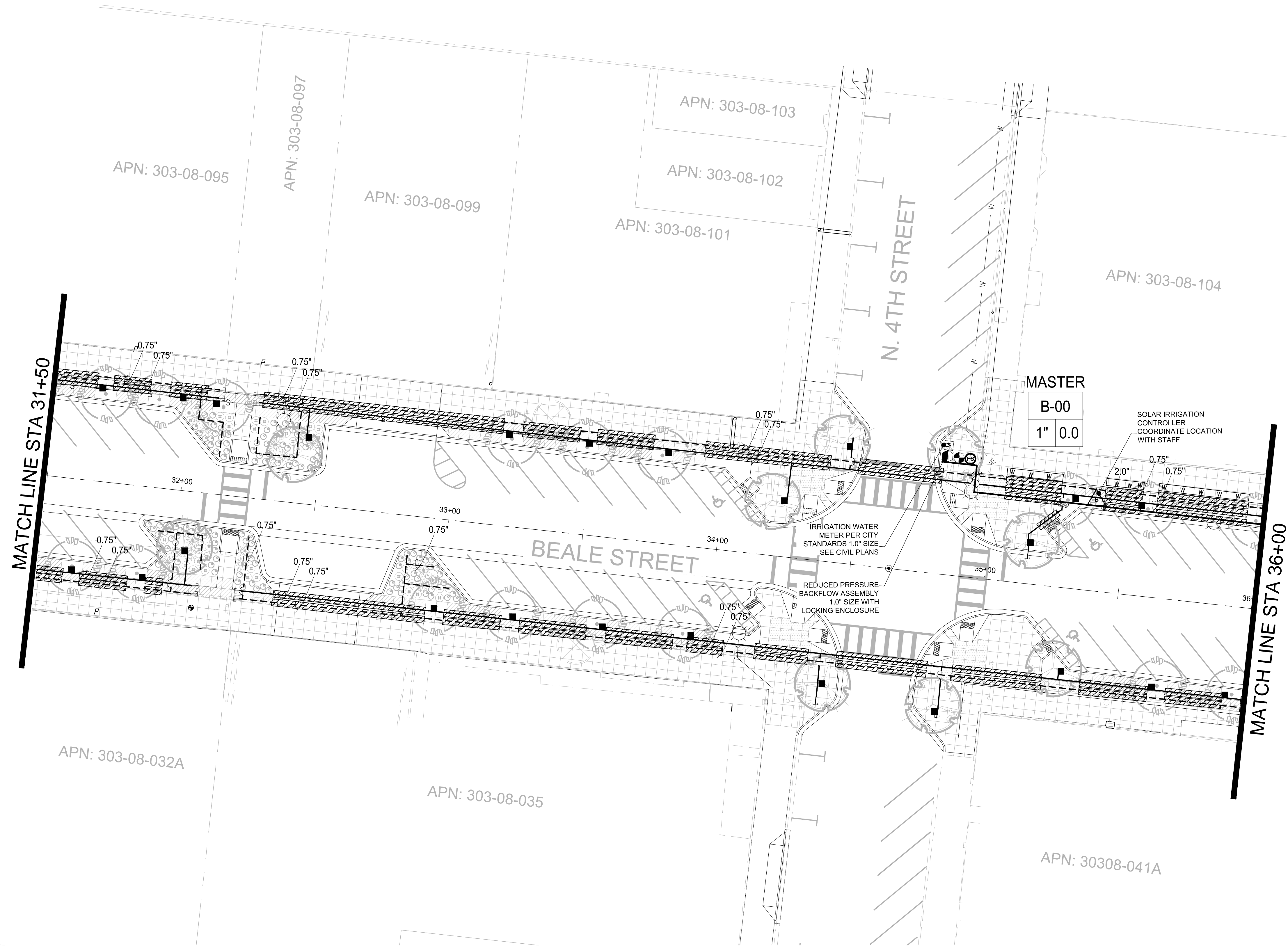
KEY MAP



ARIZONA BLUESTAKE CENTER
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IRRIGATION PLAN
L2.1
 45 of 52

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IRRIGATION LEGEND

SYMBOL

- WATER METER** PER LOCAL STANDARDS, NEW IRRIGATION METER - 1.0" SIZE
- RPBFA** BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y, 1.0" SIZE PER PLAN, PROVIDE METAL ENCLOSURE.
- CONTROLLER** CONTROLLER A+B = 12 STATION HUNTER XC SOLAR, PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE, PROVIDE LIGHTNING AND GROUNDING PROTECTION
- CONTROL VALVE** HUNTER SERIES ICV SIZE PER PLAN
- FLOW SENSOR** DATA INDUSTRIAL - BRASS, NTP THREADED CONNECTION, 1" SIZE.
- GATE VALVE** NIBCO MODEL# T-113, SIZE PER LINE BRONZE MATERIAL
- DRIP VALVE** HUNTER ICV SERIES WITH 150 MESH WYE-STRAINER SIZE PER PLAN
- FLUSH CAP** SPEARS FLUSH CAP
- 1/2" FLUSH VALVE**
- PRESSURE REG.** SENNIGER 30 PSI - LOCATE IN SEPARATE BOXES MEDIUM FLOW 2-20GPM - 30 PSI (100 MESH)
- EMITTER - SP** BOWSMITH 1.0 GPH (1 PER PLANT)
- EMITTER - MP** BOWSMITH 1.0 GPH 6 PORT (2 PER TREE) GROUPS OF SHRUBS WITHIN 6'.
- SERVICE POINT** CONNECT TO EXISTING POTABLE WATER SERVICE

PIPE LEGEND

- MAINLINE - SIZE PER PLAN**
PVC SCH. 40
- TREE LATERAL**
PVC SCH. 40 - SOLVENT WELD
- SHRUB LATERAL**
PVC SCH. 40 - SOLVENT WELD
- WIRE SLEEVE**
PVC SCH. 40 - MINIMUM 1 1/2" SIZE
- PIPE SLEEVE**
PVC SCH. 40 - 2 X PIPE SIZE MINIMUM

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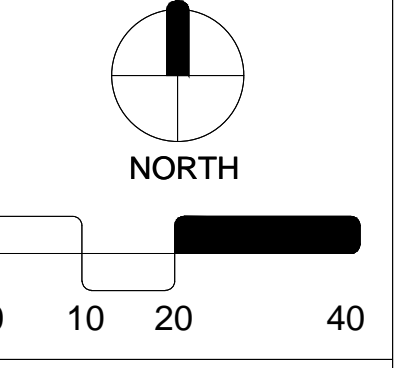
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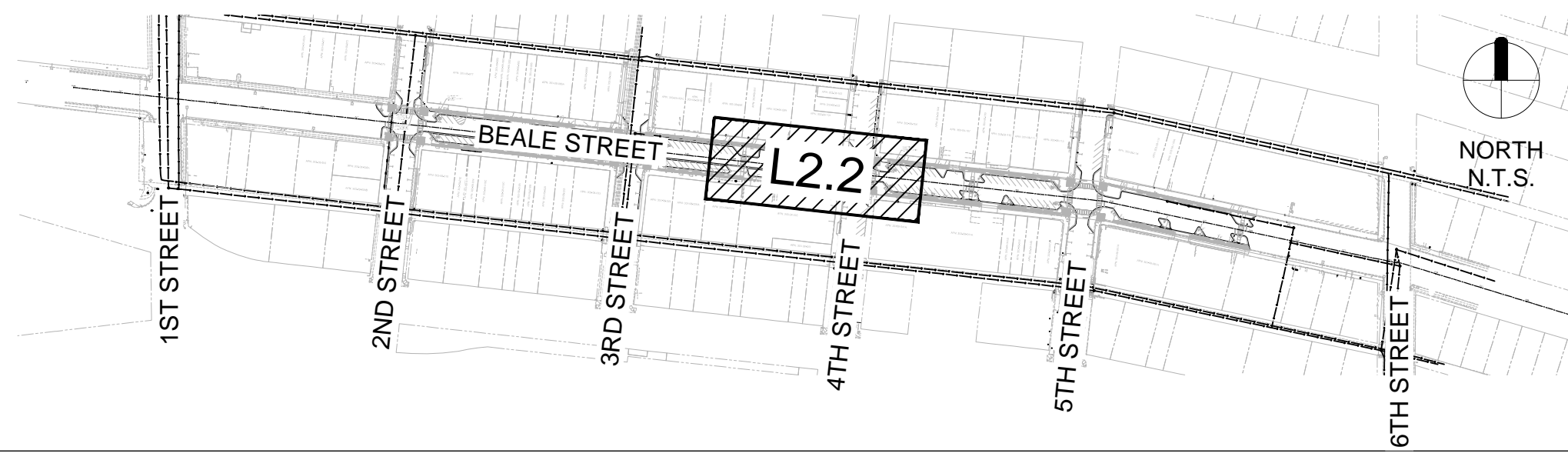


IRRIGATION PLAN

L2.2

46 of 52

KEY MAP



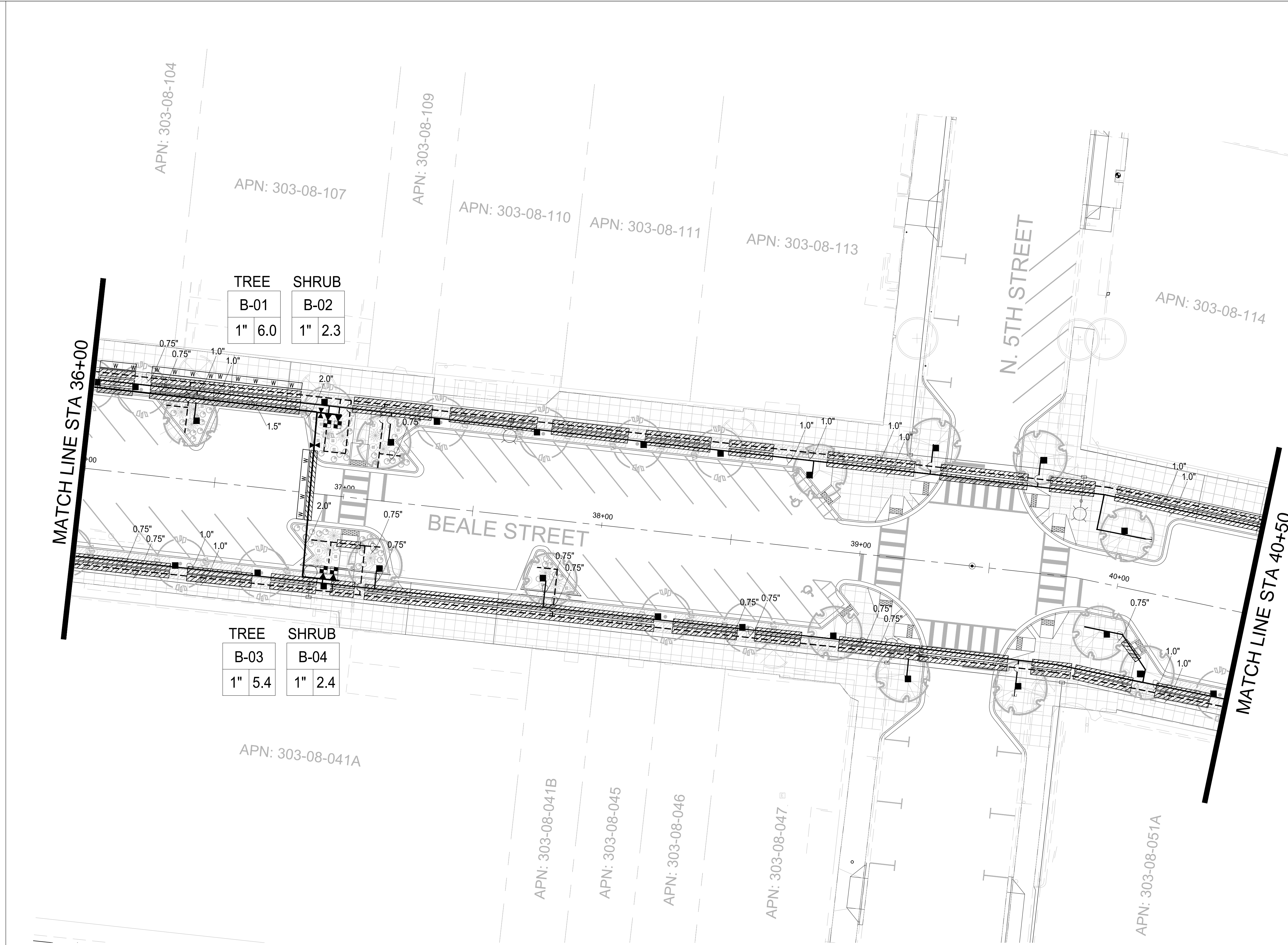
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- PIPE LEGEND
- MAINLINE - SIZE PER PLAN PVC SCH. 40
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TREE	SHRUB
B-01	B-02
1" 6.0	1" 2.3

TREE	SHRUB
B-03	B-04
1" 5.4	1" 2.4

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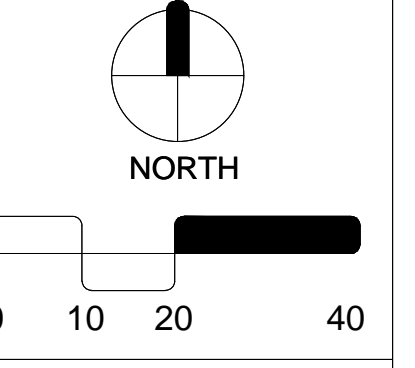


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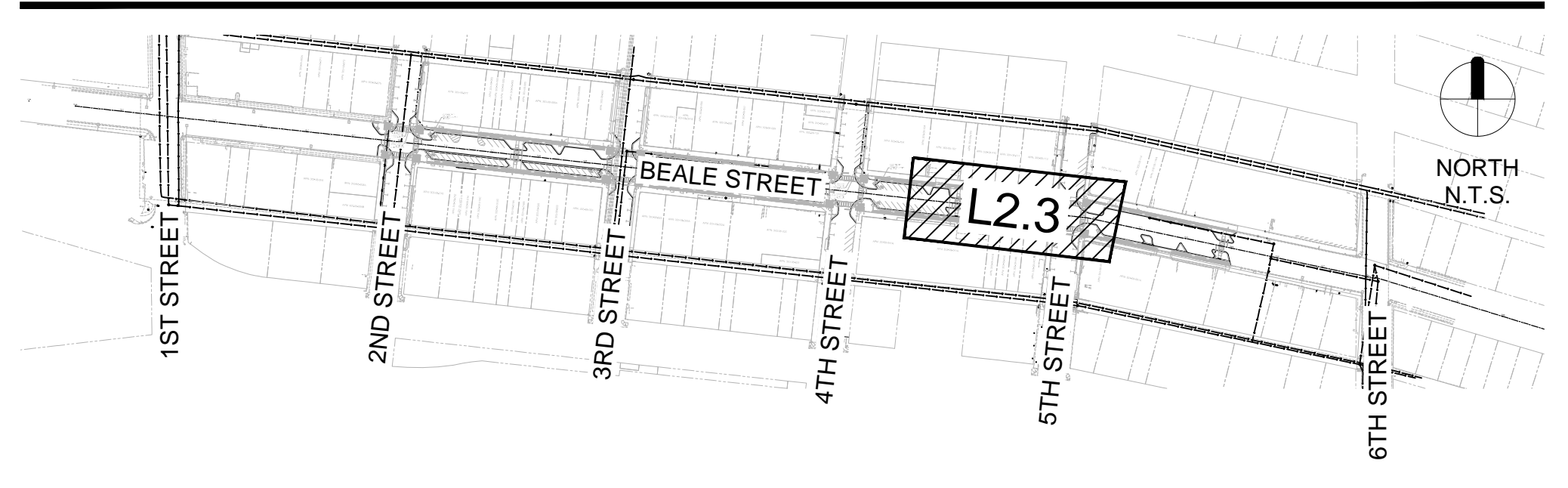
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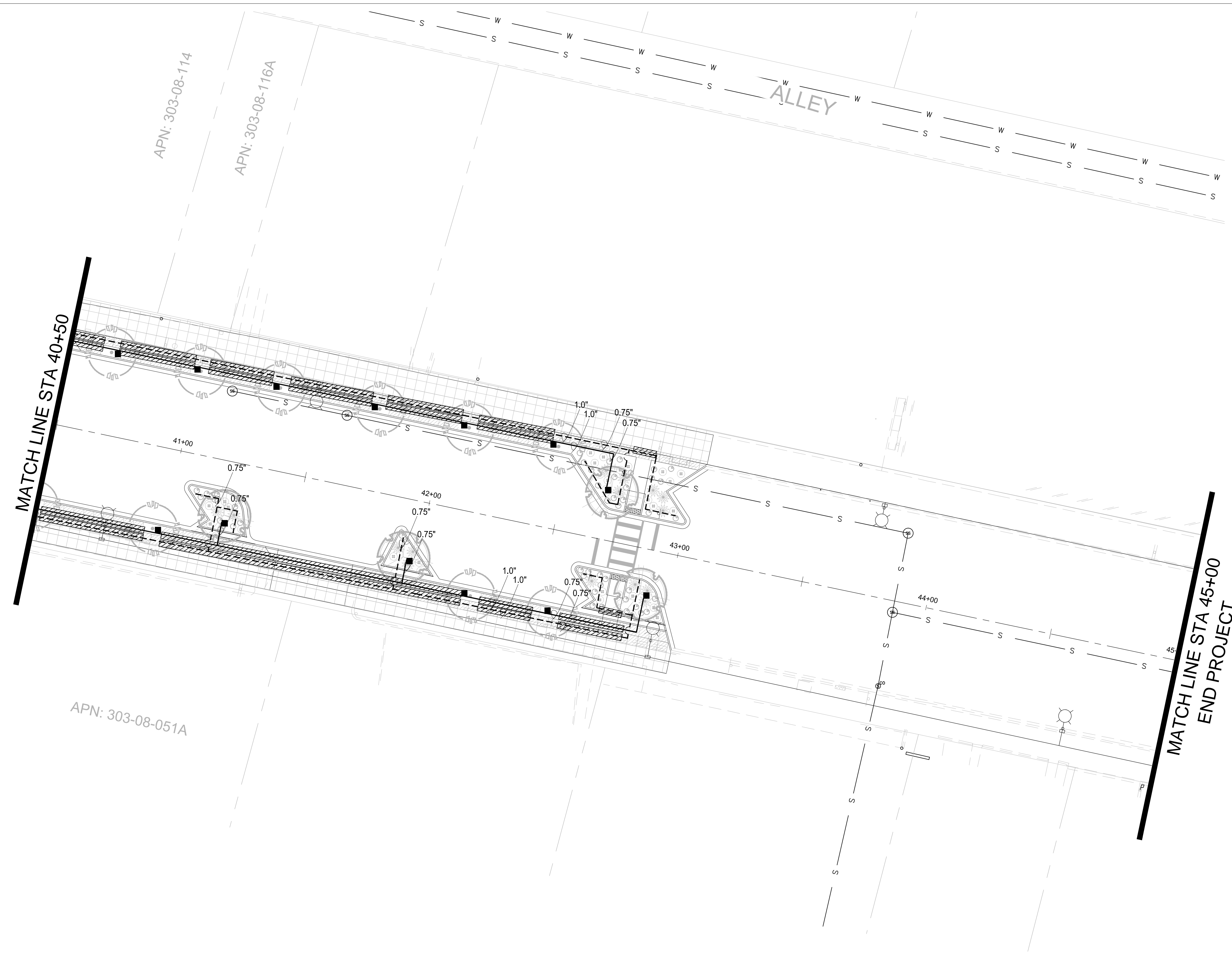
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IRRIGATION PLAN
L2.3
 47 of 52

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- WATER METER PER LOCAL STANDARDS, NEW IRRIGATION METER - 1.0" SIZE
 - RPBFA BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y, 1.0" SIZE PER PLAN, PROVIDE METAL ENCLOSURE.
 - CONTROLLER CONTROLLER A+B = 12 STATION HUNTER XC SOLAR, PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE, PROVIDE LIGHTNING AND GROUNDING PROTECTION
 - CONTROLLER CONTROLLER A+B = 12 STATION HUNTER XC SOLAR, PROVIDE LEMA 1600 HE SOLENOID ACTUATOR FOR EACH VALVE, STEEL POST MOUNT AND LOCKING ENCLOSURE, PROVIDE LIGHTNING AND GROUNDING PROTECTION
 - CONTROL VALVE HUNTER SERIES ICV SIZE PER PLAN
 - FLOW SENSOR DATA INDUSTRIAL - BRASS, NTP THREADED CONNECTION, 1" SIZE.
 - GATE VALVE NIBCO MODEL# T-113, SIZE PER LINE BRONZE MATERIAL
 - DRIP VALVE HUNTER ICV SERIES WITH 150 MESH WYE-STRAINER SIZE PER PLAN
 - FLUSH CAP SPEARS FLUSH CAP
 - PRESSURE REG. 1/2" FLUSH VALVE SENNIGER 30 PSI - LOCATE IN SEPARATE BOXES MEDIUM FLOW 2-20GPM - 30 PSI (100 MESH)
 - EMITTER - SP BOWSMITH 1.0 GPH (1 PER PLANT)
 - EMITTER - MP BOWSMITH 1.0 GPH 6 PORT (2 PER TREE) GROUPS OF SHRUBS WITHIN 6'
 - SERVICE POINT CONNECT TO EXISTING POTABLE WATER SERVICE

- PIPE LEGEND
- MAINLINE - SIZE PER PLAN PVC SCH. 40
 - TREE LATERAL PVC SCH. 40 - SOLVENT WELD
 - SHRUB LATERAL PVC SCH. 40 - SOLVENT WELD
 - WIRE SLEEVE PVC SCH. 40 - MINIMUM 1 1/2" SIZE
 - PIPE SLEEVE PVC SCH. 40 - 2 X PIPE SIZE MINIMUM

H P
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CITY OF KINGMAN
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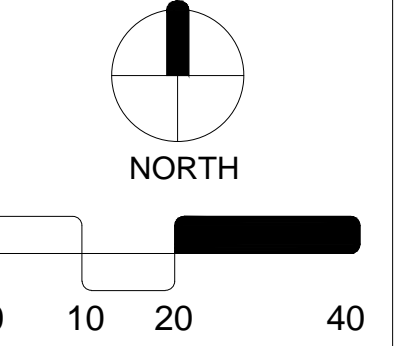
Beale Street
Kingman, Arizona 86401

REV.	COMMENT	DATE
100% Submittal VE		06.06.23
100% Submittal		01.18.23
90% Submittal R1		12.05.22
90% Submittal		03.04.22
60% Submittal		08.06.21
30% Submittal		04.12.21
ISSUE		DATE

LANDSCAPE PACKAGE

June 6, 2023

DRAWN BY: BZS
CHECK BY: JEH
PROJ. NO.: 2020-007
CASE NO.: 17-2597

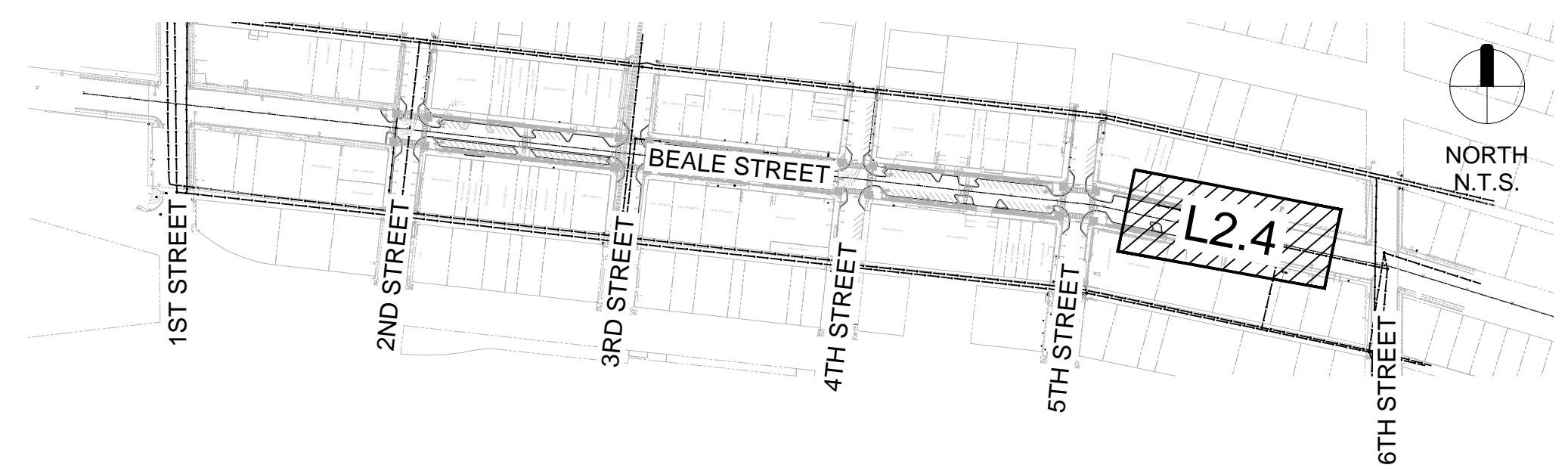


IRRIGATION PLAN

L2.4

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KEY MAP



**ARIZONA BLUESTAKE
CENTER**

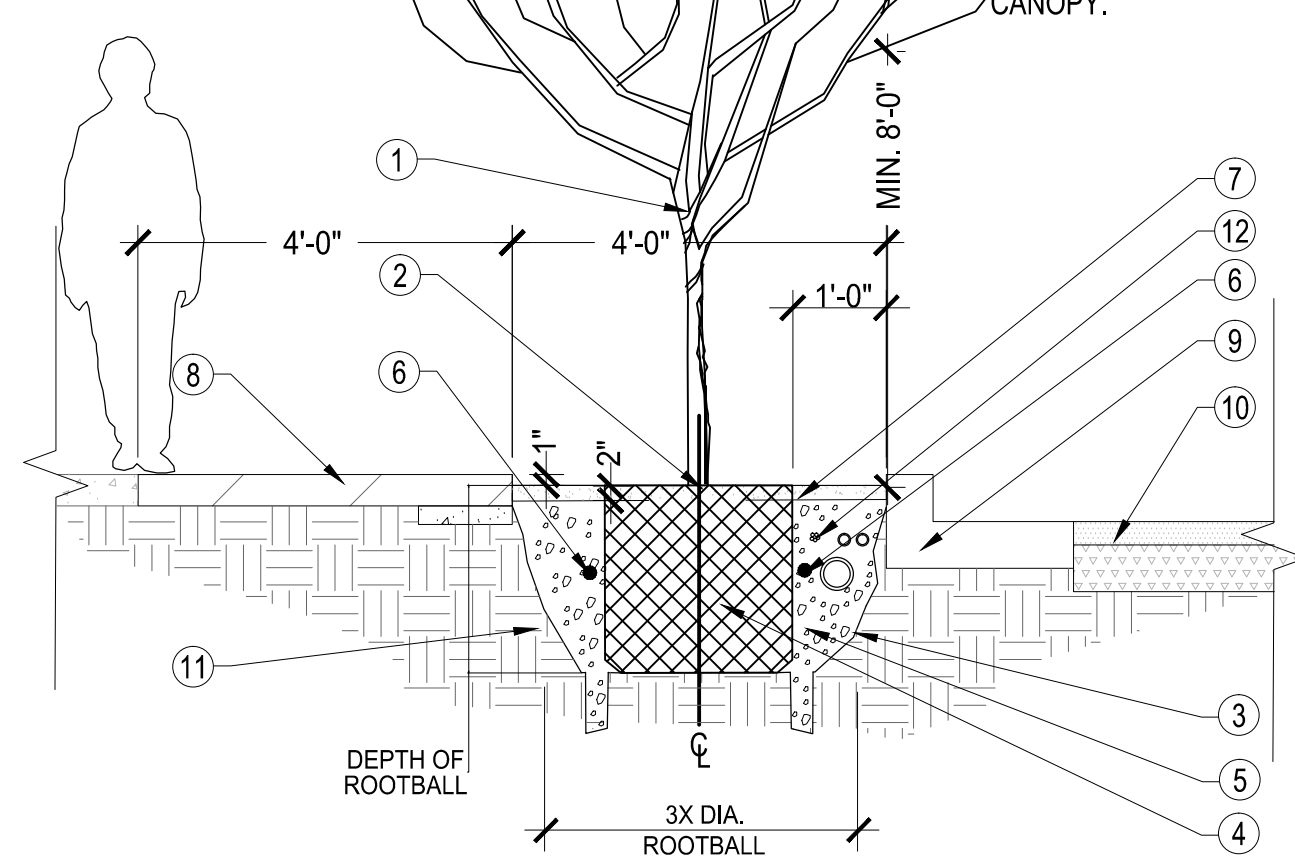
CALL TWO WORKING DAYS
BEFORE YOU DIG

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FERTILIZER TABLET SCHEDULE

AGRIFORM FERTILIZER TABLETS OR EQUAL. PLACE TABLETS DOWN ALONG PLANT ROOTBALL SIDE 3 PER 15 GAL., 4 PER 24" BOX OR LARGER



NOTES:

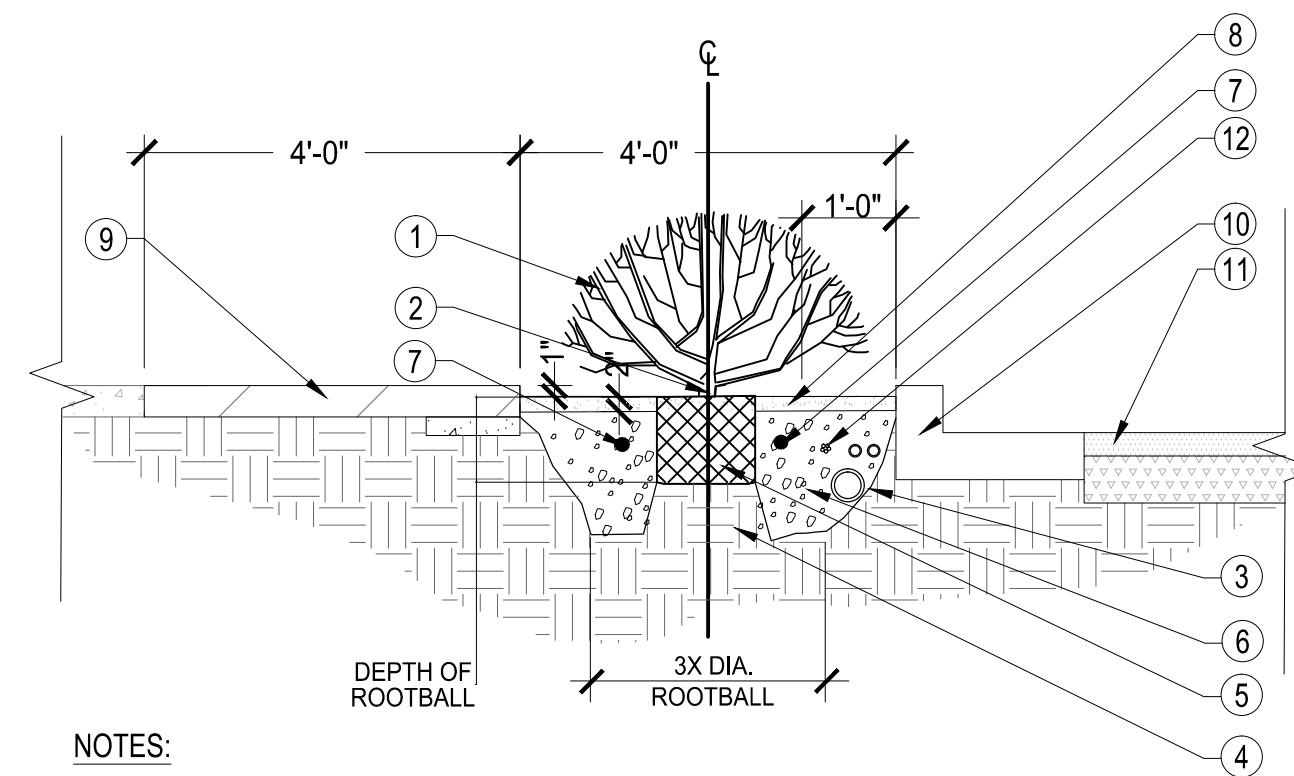
1. PROVIDE ADEQUATE DRAINAGE.
2. TRIM AND MAINTAIN TO PROVIDE A MINIMUM 8'-0" CLEARANCE FROM ADJACENT PATH OR PAVEMENT TO TREE CANOPY.
3. TREE. SEE LANDSCAPE LEGEND.
4. TOP OF ROOTBALL FLUSH OR SLIGHTLY ABOVE FINISH GRADE.
5. WALLS OF UNDISTURBED SOIL SHOULD BE SLOPED WITH ROUGH EDGES. PLANTING PIT TO BE AS DEEP AS ROOTS.
6. FREE OR CUT CIRCLING ROOTS (UNLESS PLANTS ARE KNOWN TO HAVE SENSITIVE ROOTS HANDLE WITH MINIMAL DISTURBANCE).
7. BACKFILL: NATIVE SOIL IF NONE DESCRIBED. REMOVE ALL ROCK 1" OR GREATER FROM BACKFILL.
8. FERTILIZER TABLET. REFER TO FERTILIZER TABLET SCHEDULE.
9. INERT DECOMPOSED GRANITE (DG). SEE LANDSCAPE LEGEND.
10. STAINED CONCRETE SIDEWALK PER PLAN.
11. CURB AND GUTTER. SEE CIVIL PLANS.
12. ROAD ASPHALT SURFACE, SEE CIVIL PLANS.
13. NATIVE UNDISTURBED SOIL OR COMPACT FILL TO 85% STANDARD PROCTOR DENSITY.
14. IRRIGATION PIPES & WIRES PLACEMENT, SEE TRENCHING DETAIL.

1 TREE PLANTING

SCALE: N.T.S.

FERTILIZER TABLET SCHEDULE

AGRIFORM FERTILIZER TABLETS OR EQUAL. PLACE TABLETS DOWN ALONG PLANT ROOTBALL SIDE 1 PER 1 GAL., 2 PER 5 GAL.,

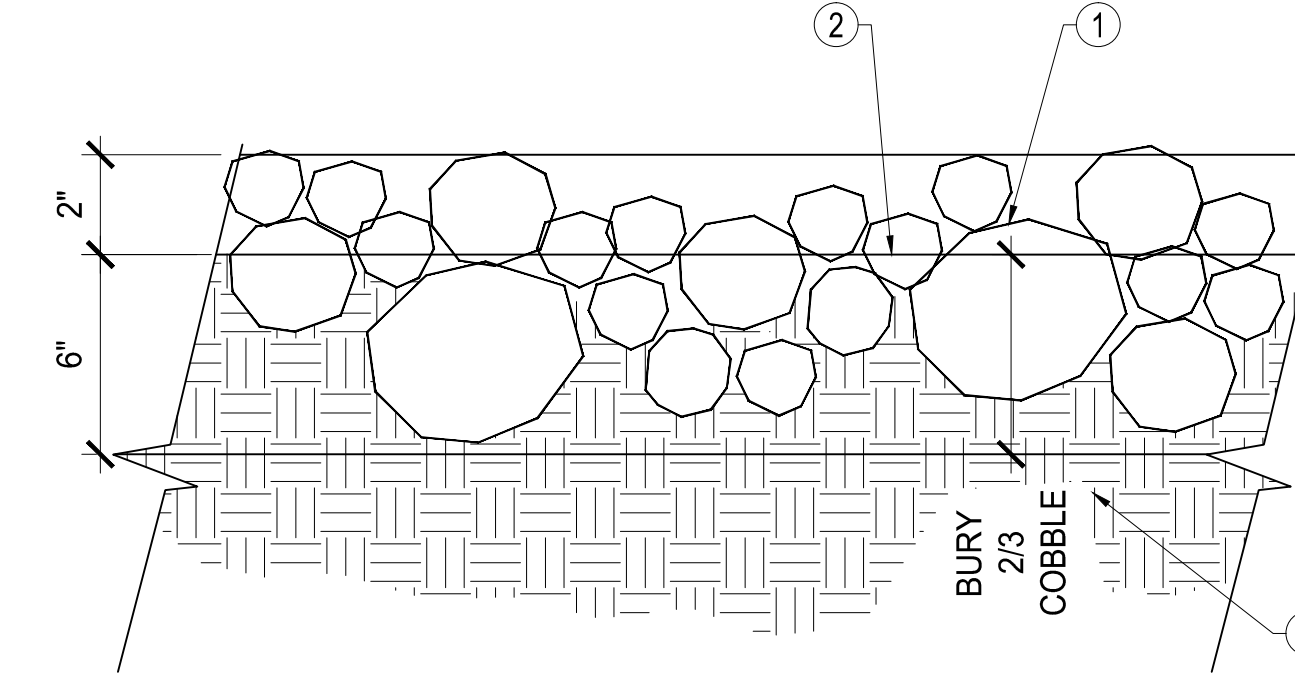


NOTES:

1. PROVIDE ADEQUATE DRAINAGE.

2 SHRUB, GROUND COVER & ACCENT PLANTING - CONTAINER

SCALE: N.T.S.



NOTES:

1. COORDINATE FINAL GRADES WITH LANDSCAPE ARCHITECT AND PER PLANS.
2. BURY 2/3 COBBLE. ALLOW NO MORE THAN 4" EXPOSED ABOVE GRADE.
3. WET COBBLE AFTER INSTALL TO REMOVE DUST AND SETTLE ROCK.
4. REAPPLY COBBLE TO AREAS THAT SETTLE.
5. APPLY POST EMERGENT WEED CONTROL AFTER LANDSCAPE INSTALL COMPLETED.

3 1" - 4" COBBLE ROCK INSTALLATION

SCALE: N.T.S.

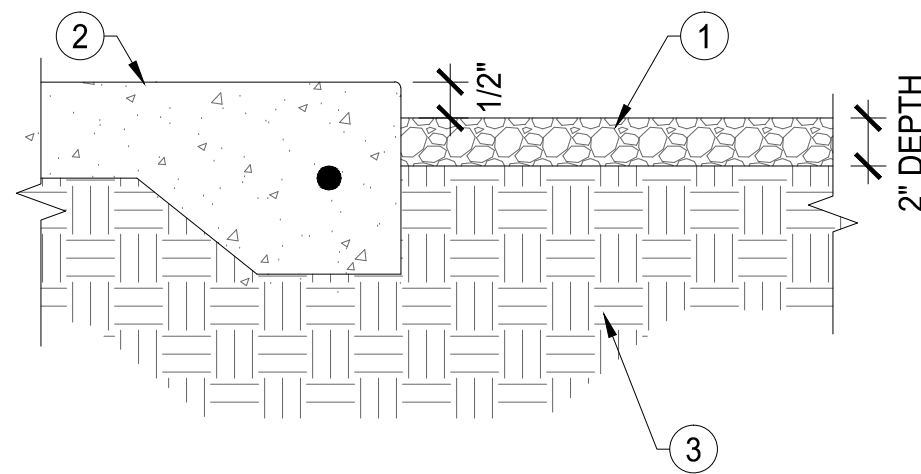
1. TREE PLANTING, SEE DETAIL.
2. 2" DIA. LODGEPOLE OR 2" SQ. STAKES DRIVEN VERTICALLY OR SLIGHT ANGLE IN UNDISTURBED SOIL. 8' TALL FOR #15 GAL. SIZE, 10' TALL FOR 24" BOX OR LARGER NOTCH EACH STAKE WITH 3/4" CUT TO SECURE WIRE AT.
3. PLACE OR CUT STAKES OFF BELOW THE CANOPY TO PREVENT DAMAGE TO BRANCHES.
4. PLACE HOSE AND WIRE 6" ABOVE STRESS POINT OF TREE. NOTCH BACKSIDE OF POLY. USE 1/2" I.D. RUBBER HOSE 12'-15" LONG MIN. OR NYLON STRAP MATERIAL.
5. #12 PLASTIC GUY WIRE WRAP TWICE AROUND STAKE AND SECURE.
6. NATIVE UNDISTURBED SOIL OR COMPACT FILL TO 85% STANDARD PROCTOR DENSITY.
7. PLACE HOSE AND WIRE 12" ABOVE SCAFFOLDING BRANCH. USE 1/2" I.D. RUBBER HOSE 12'-15" LONG MIN. OR NYLON STRAP MATERIAL.
8. STAINED CONCRETE SIDEWALK PER PLAN.
9. CURB AND GUTTER, SEE CIVIL PLANS.

NOTES:

1. DO NOT DISTURB IRRIGATION SYSTEM AND OTHER UTILITY WIRE/PIPE DURING STAKING.

4 TREE STAKING DETAIL - 2 TIES

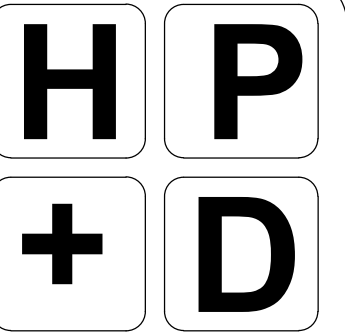
SCALE: N.T.S.



1. DECOMPOSED GRANITE PER PLANTING LEGEND.
2. CONCRETE CURB OR WALK.
3. ENSURE PLANTING AREAS ARE FREE OF DEBRIS AND WEEDS. COMPACT TO 85% PROCTOR DENSITY. PRE-TREAT FINISH GRADED LANDSCAPE AREAS WITH PRE-EMERGENT CHEMICAL APPLICATION.

5 CONCRETE / GRANITE TRANSITION

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Beale Street
Kingman, Arizona 86401

REV.	COMMENT	DATE

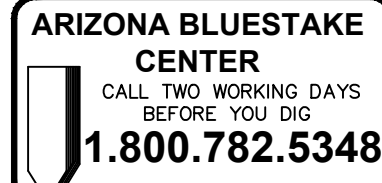
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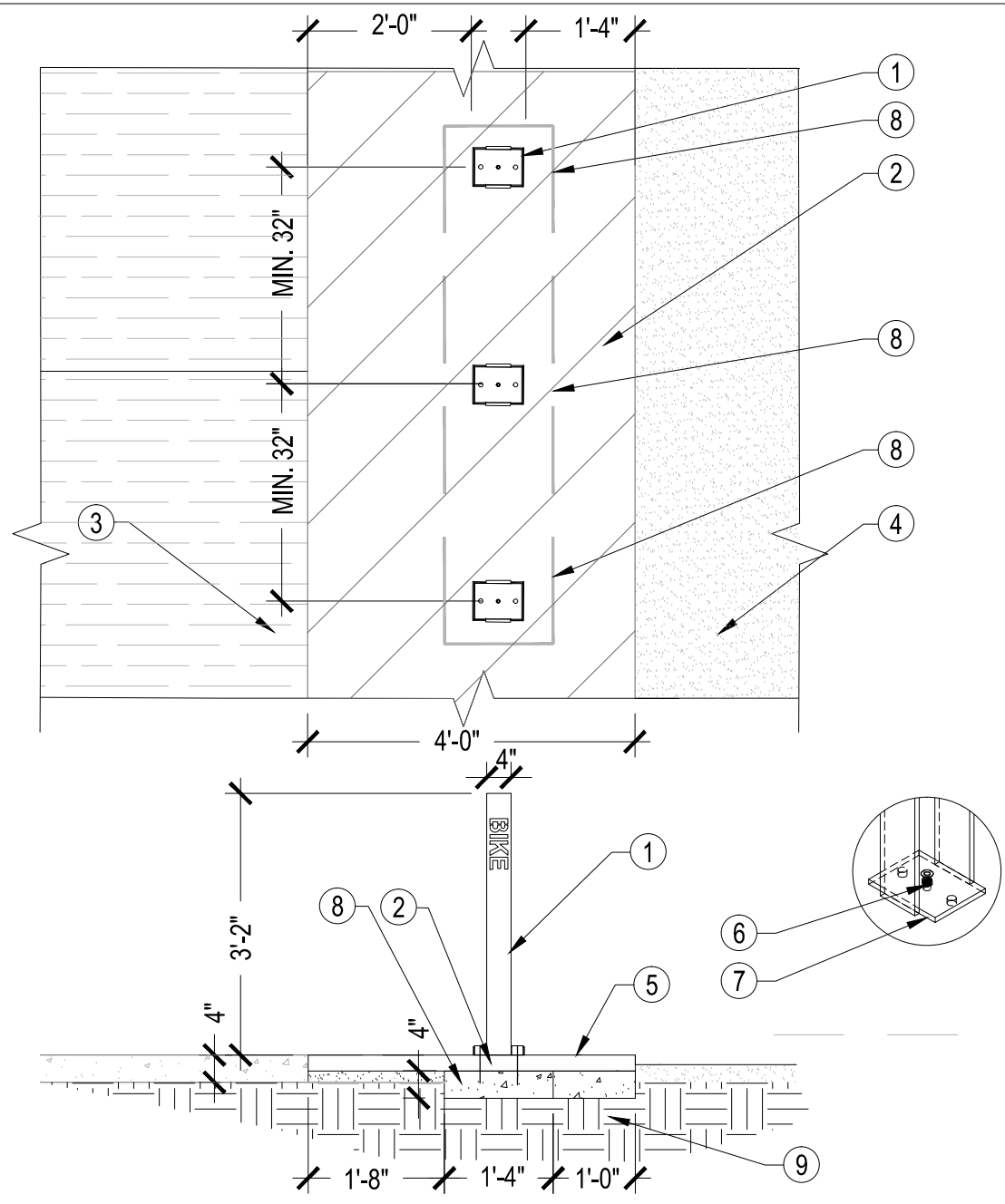
June 6, 2023
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CHECK BY: JEH
PROJ. NO.: 2020-007
CASE NO.: 17-2597

LANDSCAPE DETAILS

L3.0
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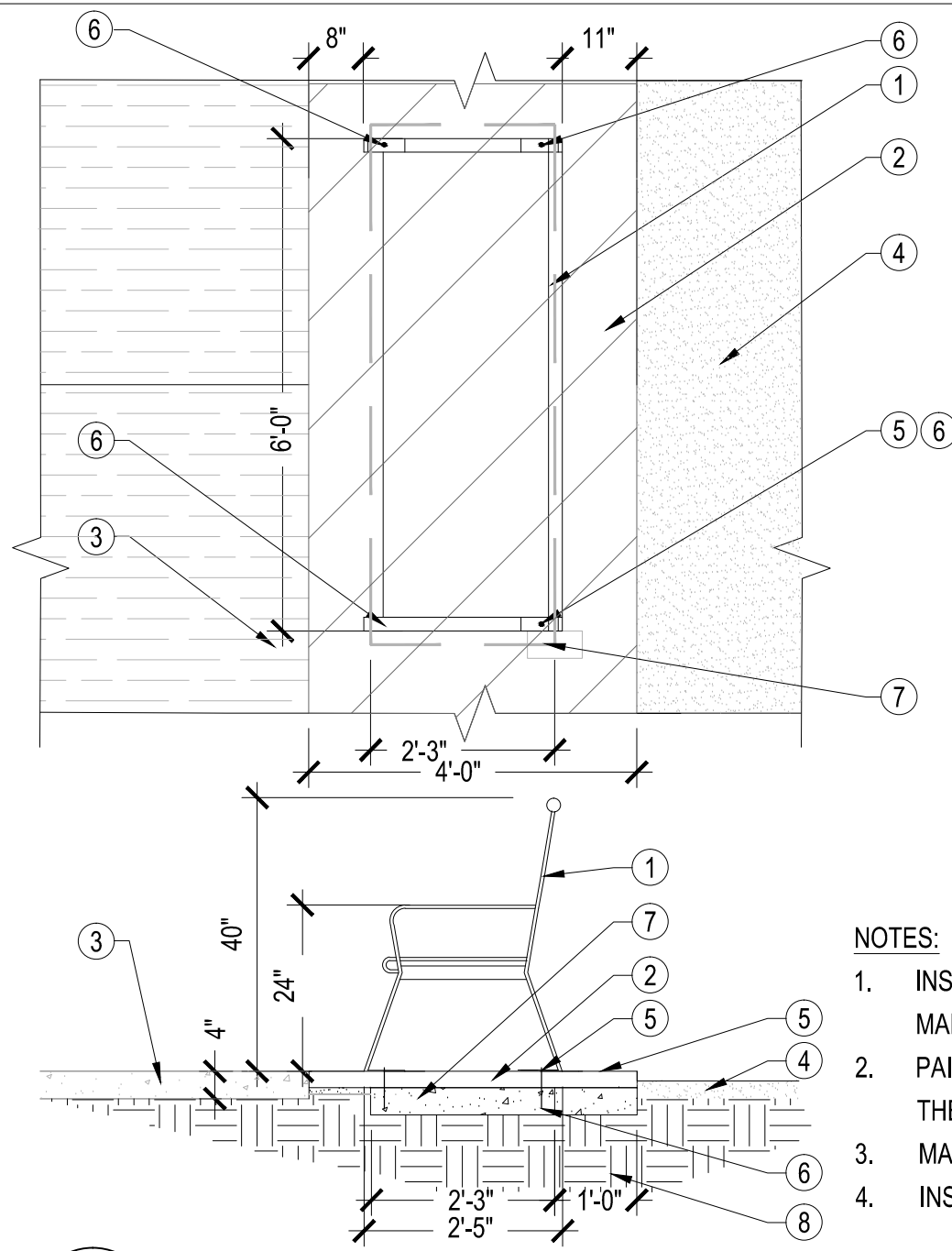
- 1 MADRAX PIERCE BIKE RACK, MODEL # PBP-2-SF-P, POWDER COATED BLACK COLOR, LOGO TBD.
- 2 STAINED CONCRETE SIDEWALK, SEE DETAIL.
- 3 CONCRETE SIDEWALK, SEE DETAIL.
- 4 LANDSCAPE DG AREA.
- 5 FINISH GRADE.
- 6 THREADED HOLE TO SECURE COVER.
- 7 3/8" THICK MOUNTING PLATE.
- 8 CONCRETE MOUNTING SLAB.
- 9 COMPACTED SUB-GRADE PER MAG SECTION 301 & GEOTECH REPORT.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PAINT ALL THE ASSEMBLY TO MATCH BENCH FINISH COLOR. ALL THE ASSEMBLY SHALL BE VANDAL RESISTANT.
3. MATCH THE HOLE PATTERN FOR MOUNTING DURING CONSTRUCTION.
4. INSTALL LEVEL WITH FINISH GRADE FOR BIKE RACK INSTALLATION.
5. THREE BIKE RACK FOR EACH LOCATION.

1 BIKE RACK - INSTALLATION

SCALE: N.T.S.



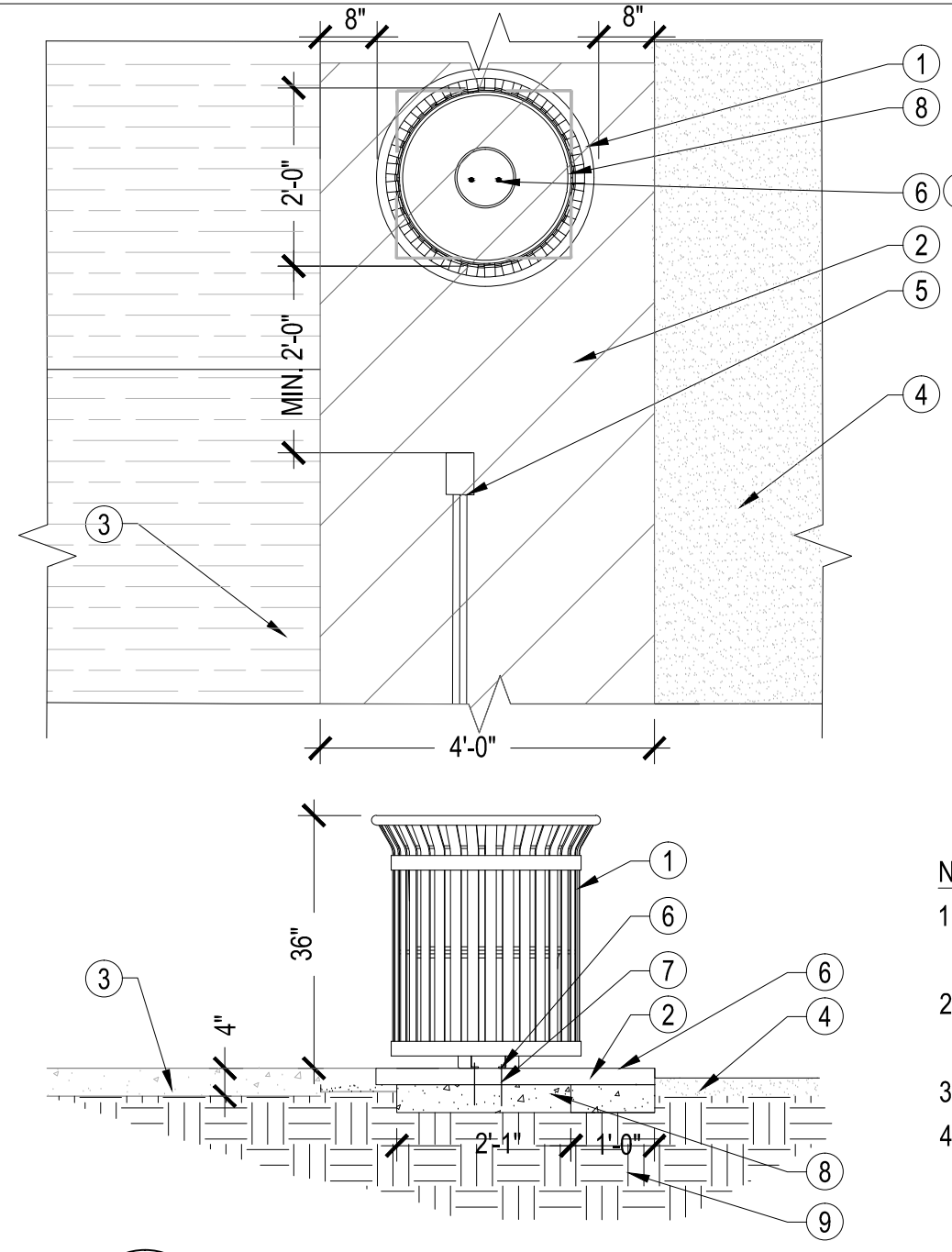
- 1 PREMIER MAPLE BENCH MMR00RB, WITH ROUTE 66 LOGO, FACING STORES. MATCH THE LOGO FROM THE IMAGE OR CONTACT THE CITY FOR THE LOGO INFO, POWDER COATED BLACK COLOR.
- 2 STAINED CONCRETE SIDEWALK.
- 3 CONCRETE SIDEWALK.
- 4 LANDSCAPE DG AREA.
- 5 FINISH GRADE.
- 6 TOTAL 4 X WEDGE ANCHERS - 5/16" X 4 3/4", 5/16" FLAT WASHERS AND 5/16" HEX NUTS.
- 7 CONCRETE MOUNTING SLAB.
- 8 COMPACTED SUB-GRADE PER MAG SECTION 301 & GEOTECH REPORT.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PAINT ALL THE ASSEMBLY TO MATCH BENCH FINISH COLOR. ALL THE ASSEMBLY SHALL BE VANDAL RESISTANT.
3. MATCH THE HOLE PATTERN DURING CONSTRUCTION.
4. INSTALL LEVEL WITH FINISH GRADE FOR BENCH INSTALLATION.

2 BENCH - INSTALLATION

SCALE: N.T.S.



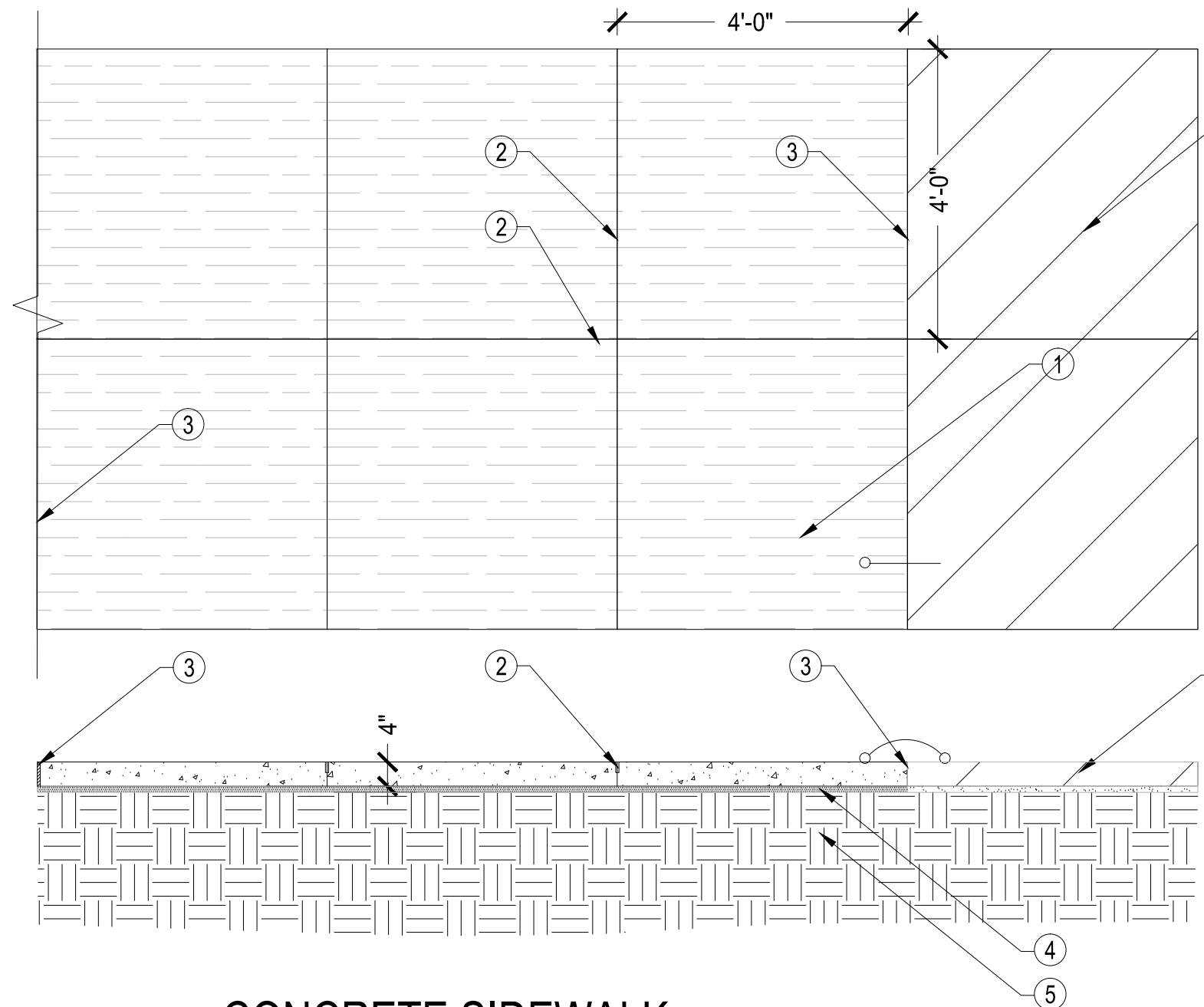
- 1 PREMIER OAK RECEPTACLE 0132 WITH LID WITH ROUTE 66 LOGO, FACING STORES. MATCH THE LOGO FROM THE IMAGE OR CONTACT THE CITY FOR THE LOGO INFO. PROVIDE BAG AFTER INSTALLATION. POWDER COATED BLACK COLOR.
- 2 STAINED CONCRETE SIDEWALK.
- 3 CONCRETE SIDEWALK.
- 4 LANDSCAPE DG AREA.
- 5 WAYFINDING SIGN, SEE DETAIL.
- 6 FINISH GRADE.
- 7 TOTAL TWO 3/8" X 4" WEDGE ANCHORS, NUTS, AND WASHERS.
- 8 CONCRETE MOUNTING SLAB.
- 9 COMPACTED SUB-GRADE PER MAG SECTION 301 & GEOTECH REPORT.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PAINT ALL THE ASSEMBLY TO MATCH TRASH RECEPTACLE FINISH COLOR. ALL THE ASSEMBLY SHALL BE VANDAL RESISTANT.
3. MATCH THE HOLE PATTERN FOR MOUNTING DURING CONSTRUCTION.
4. INSTALL LEVEL WITH FINISH GRADE FOR THE INSTALLATION.

3 TRASH RECEPTACLE - INSTALLATION

SCALE: N.T.S.



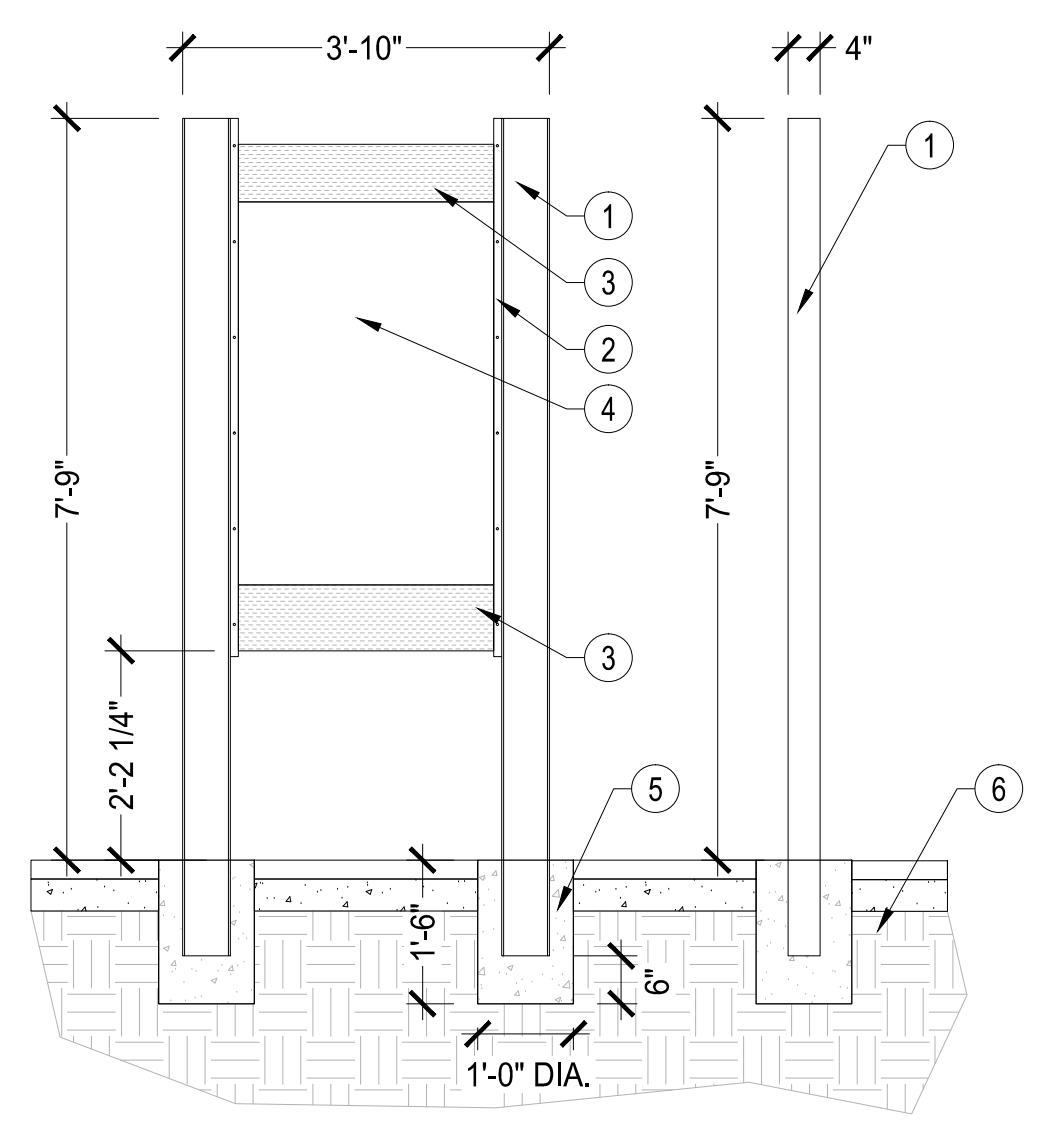
- 1 CONCRETE SIDEWALK 4" TH. 2500 PSI, MEDIUM BROOM FINISH, PER MAG #230, REFER TO CIVIL.
- 2 CONTROL JOINT, PER MAG STD.
- 3 EXPANSION JOINT PER MAG STD, REQUIRED AT WALLS.
- 4 ABC, PER CIVIL.
- 5 COMPACTED SUB-GRADE. PER CIVIL.
- 6 STAINED CONCRETE SIDEWALK.

NOTES:

1. PROVIDE LEVEL SURFACE FOR FINISH GRADE.
2. MEDIUM BROOM FINISH FOR CONCRETE SURFACE, PERPENDICULAR TO CURB LINE.
3. INSTALL CONTROL JOINTS AS SHOWN ON PLANS, 4X 4' SCORE PATTERN.

4 CONCRETE SIDEWALK

SCALE: N.T.S.



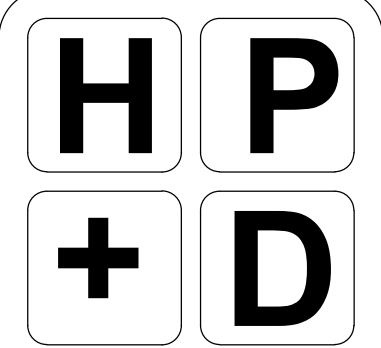
- 1 MILL FINISH STEEL I-BEAM 6" x 4", 3 GAUGE
- 2 ANGLE IRON, 3 GAUGE, PROVIDE TO FRONT AND REAR SIDES OF SIGN
- 3 MCNICHOLS PERFORATED METAL, 20 GAUGE, ALUMINUM 1/8" x 3/4" SLOTTED PATTERN, MECHANICALLY FASTENED BETWEEN ANGLE IRON, PROVIDE ON BOTH SIDES OF GRAPHIC PANELS
- 4 1/4" GRAPHIC PANELS MECHANICALLY FASTENED BETWEEN PERFORATED SCREENS WITH NON-CORROSIVE TAMPER RESISTANT HARDWARE (PANEL ON EACH SIDE OF SCREEN), COORDINATE WITH CITY OF KINGMAN FOR DATA ON PANELS.
- 5 CONCRETE FOOTING 2000 PSI @ 28 DAYS OR PER CIVIL / STRUCTURAL
- 6 COMPACT SUBGRADE, 95% MIN. PROCTOR OR PER CIVIL / STRUCTURAL

NOTES:

1. APPLY TWO COATS OF ENAMEL PAINT TO I-BEAM POSTS AND ANGLE IRON, DUNN EDWARDS DEEP RESERVOIR (DE5874).
2. LOCATE THE SIGN AT LEAST 2 FEET OFF TRASH CAN.
3. GRAPHIC PANEL INFORMATION TO BE PROVIDED BY THE CITY OF KINGMAN.
4. PROVIDE SHOP DRAWINGS FOR CITY REVIEW OF FOOTINGS AND FRAME ASSEMBLY.

5 WAYFINDING SIGN

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BEALE STREET IMPROVEMENTS**

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Kingman, Arizona 86401

REV.	COMMENT	DATE

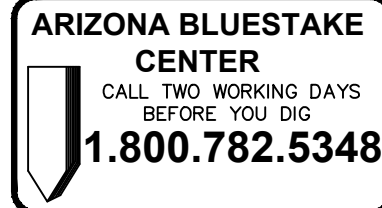
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100% Submittal	01.18.23
90% Submittal R1	12.05.22
90% Submittal	03.04.22
60% Submittal	08.06.21
30% Submittal	04.12.21
ISSUE	DATE

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PROJ. NO.:	2020-007
CASE NO.:	17-2597

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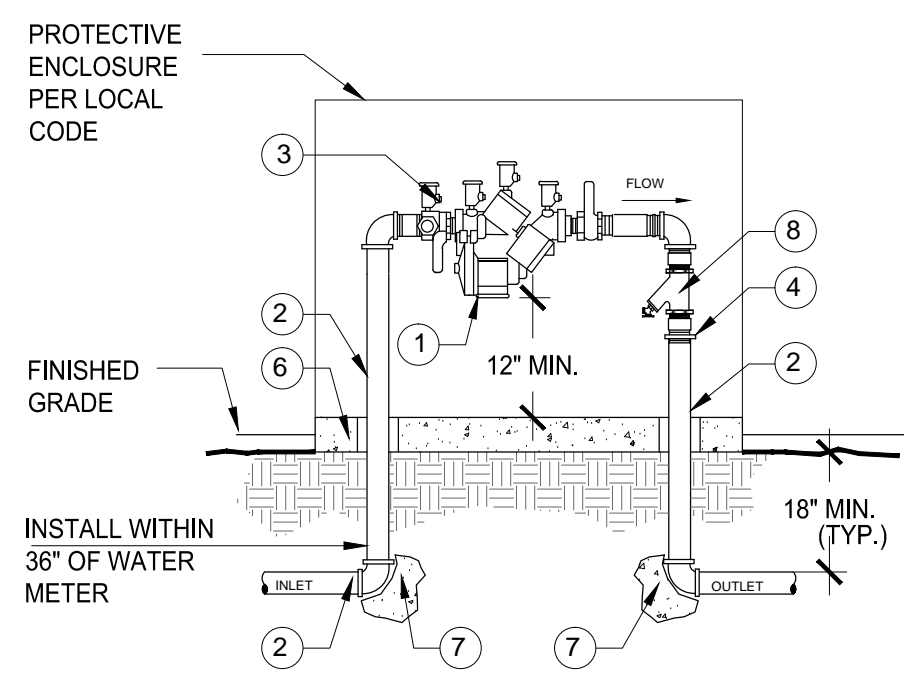
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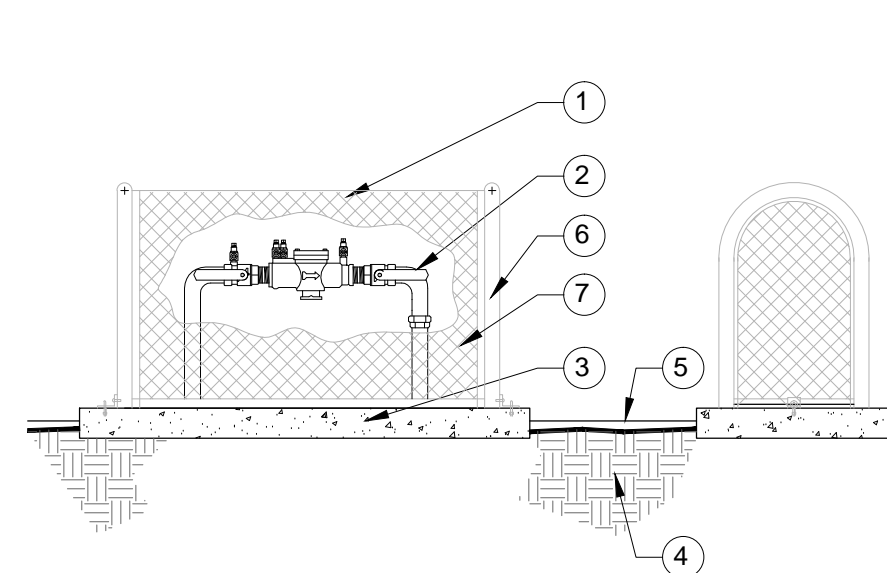
- 1 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, BALL VALVES INCLUDED.
- 2 PIPING SHALL BE TYPE "K" HARD COPPER PIPE AND FITTINGS (3/4" THRU 1-1/2") USING LEAD-FREE SOLDER.
- 3 BRASS PLUGS ARE REQUIRED ON ALL TEST COCKS.
- 4 BRASS OR COPPER UNION (INSTALL ON DISCHARGE SIDE).
- 5 HEIGHT REQUIREMENTS FOR ASSEMBLIES (12" MIN., 24" MAX.).
- 6 4" CONCRETE PAD, CLASS B
- 7 THRUST BLOCKS FOR 2" OR GREATER.
- 8 BRASS Y-STRAINER, (30 MESH).

- NOTES:
1. INSTALL PER LOCAL CODES.
 2. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, INSPECTIONS PER GOVERNING CODE.
 3. ADAPT INLET/OUTLET TO MAIN AS REQ'D.
 4. ASSEMBLY SHALL BE INSTALLED LEVEL AND NOT IN A FLOOD PLAIN.
 5. ASSEMBLY SHALL BE TESTED PRIOR TO BEING ACCEPTED.

6. ASSEMBLY SHALL NOT BE INSTALLED ANY CLOSER THAN 18" FROM A WALL OR OBSTRUCTION, (IF TEST COCKS FACE THE WALL, OR 12" FROM A WALL IF TEST COCKS FACE AWAY).
7. CONCRETE SUPPORT PAD SHALL BE A MINIMUM OF 4" LARGER IN ALL DIMENSIONS THAN ENCLOSURE.
8. FINISHED GRADE UNDERNEATH ASSEMBLY SHALL BE AT 95% COMPACTION.
9. CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN PIPE SIZE.

1 BACKFLOW PREVENTER ASSEMBLY

SCALE: N.T.S.



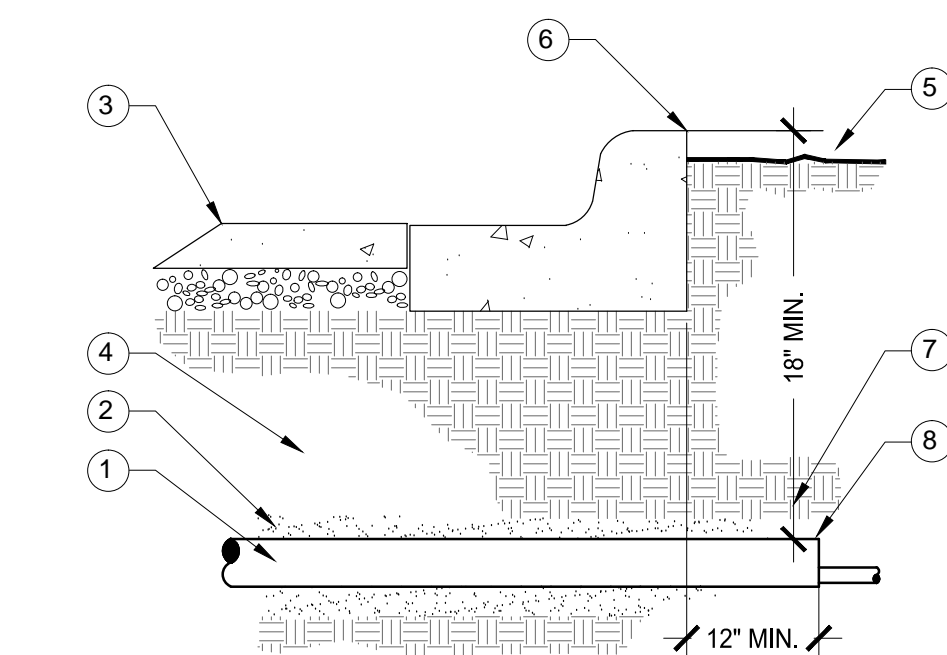
- 1 METAL BACKFLOW ENCLOSURE, PAINT PER OWNER DIRECTION.
- 2 BACKFLOW PREVENTER.
- 3 4" CONCRETE PAD, CLASS B (2000 PSI), EXTEND 4" AROUND ENCLOSURE.
- 4 COMPACT SOIL AROUND BACKFLOW ENCLOSURE TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 TUBE STEEL FRAME,
- 7 EXPANDED METAL, #12 GAUGE, SIDES AND TOP.

NOTES:

1. CONCRETE PAD SHALL BE SET PARALLEL W/ GRADE.
2. TEFLON SEAL ALL THREAD JOINTS.
3. SET EYEBOLT WITH BOTTOM OF CIRCLE FLUSH WITH CONCRETE BASE THEN EYEBOLT CANNOT BE TURNED WHEN BRACKET IS IN PLACE.
4. BOLT BRACKET TO ENCLOSURE ON ENDS OR BOTH SIDES. USE 1/4"X 1 1/4" TAMPER-PROOF BOLTS WITH HEX NUTS AND WASHERS PROVIDED.
5. WELD ENCLOSURE SOLID AT ALL JOINTS.
6. TOOL EXPOSED CONCRETE EDGES TO 3/8" RADIUS.
7. MIN. CLEARANCE INSIDE CAGE TO BE 6".

2 BACKFLOW PREVENTER ENCLOSURE

SCALE: N.T.S.

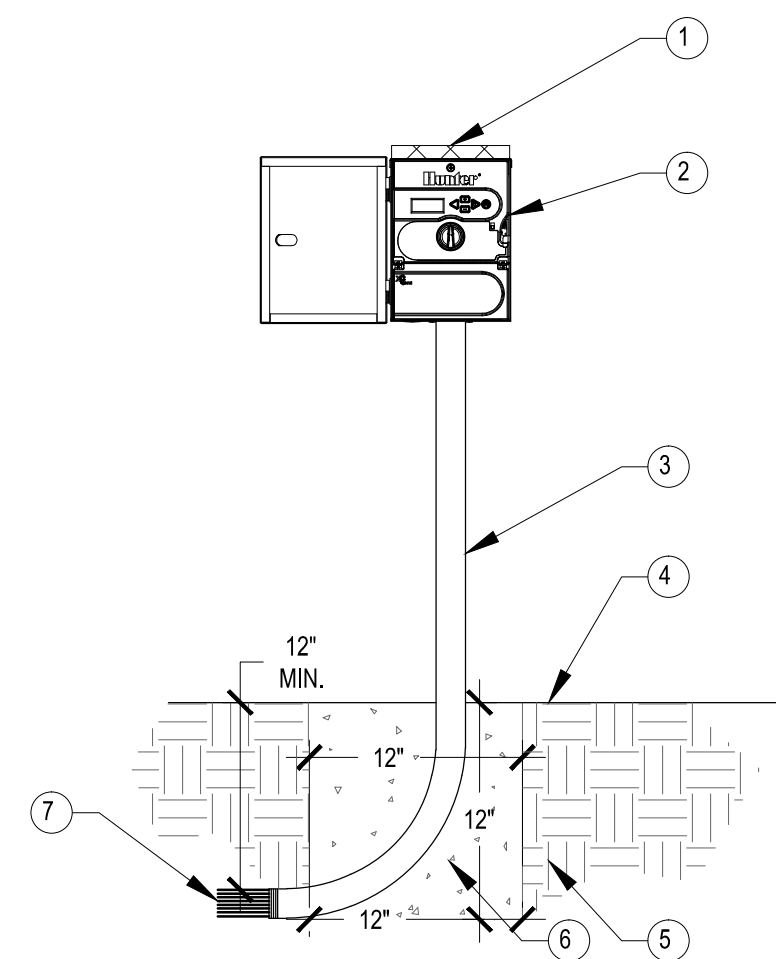


- 1 SCH. 40 PVC SLEEVE, TWICE DIAMETER OF SERVICE PIPE, SEE SLEEVE/PIPE SCHEDULE.
- 2 WASHED AND GRADED MORTAR SAND BACKFILL IN ROCKY SOIL CONDITIONS.
- 3 PAVING.
- 4 COMPACT SOIL AROUND SLEEVE TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 DISCRETELY PAINT OR MARK EDGE OF PAVING, CURB, OR WALK AT SLEEVE LOCATIONS.
- 7 36" MIN. DEPTH OR PER LOCAL CODE.
- 8 EXTEND SLEEVES 12" BEYOND EDGES.

- NOTES:
1. CAP SLEEVES UNTIL USE.
 2. MULTIPLE SLEEVES REQUIRE 4" SEPERATION WITHIN SAME SLEEVE TRENCH.
 3. PROVIDE SEPERATE WATER LINE AND WIRE SLEEVES AS REQUIRED. NO WIRES IN WATER SLEEVES.
 4. SLEEVE FOR DRIVEWAYS AND SIDEWALKS TO MATCH TRENCHING DEPTH FOR PIPE AND WIRES.

4 IRRIGATION SLEEVE

SCALE: N.T.S.



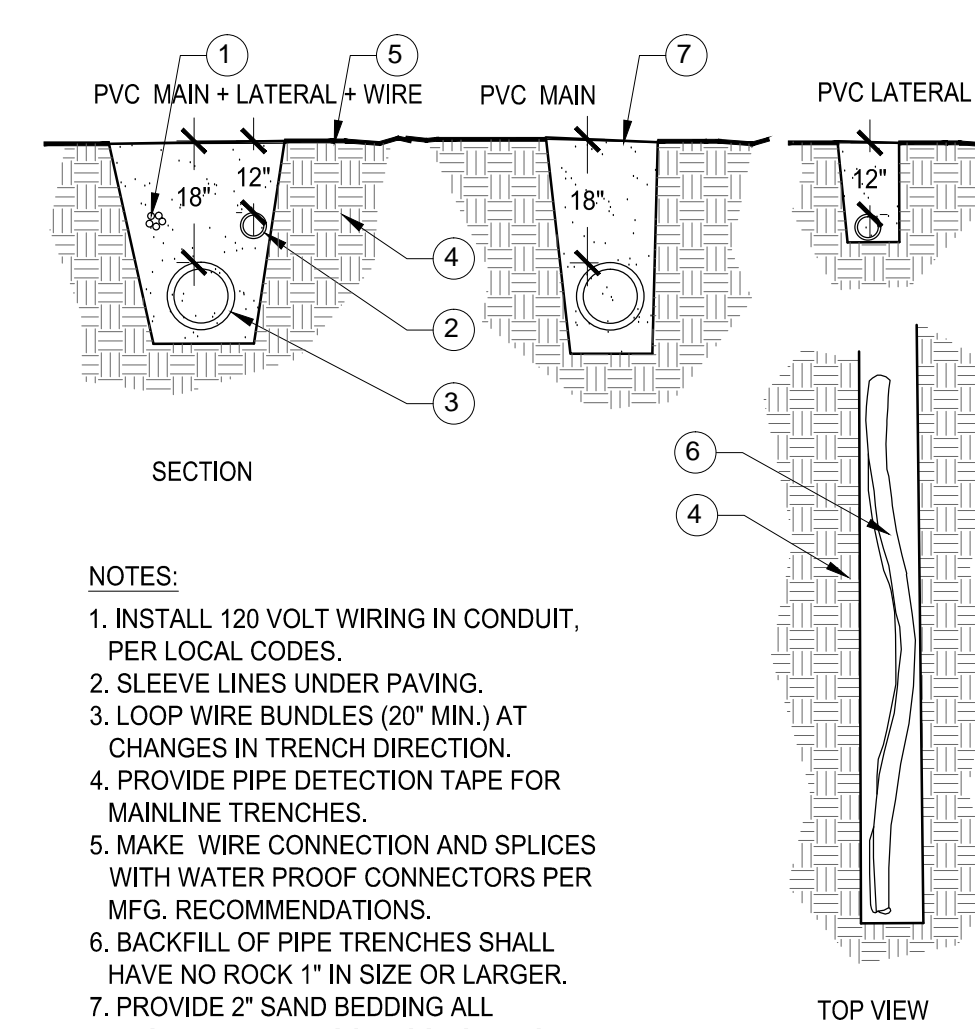
- 1 SOLAR POWERED
- 2 MODEL XC-600-SS CONTROL WIRE IN ELECTRICAL CONDUIT.
- 3 35" STEEL MOUNTING COLUMN.
- 4 FINISH GRADE.
- 5 BACKFILL SOIL.
- 6 POURED CONCRETE BASE 1 CU.FT. INSTALL PER MANUFACTURER'S INSTALLATION GUIDE.
- 7 DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.

NOTES:

1. INSTALL WIRING PER LOCAL CODE AND MFG. RECOMMENDATIONS.
2. PROVIDE LIGHTNING PROTECTION AND GROUNDING FOR CONTROLLER.
3. PROVIDE LOCK FOR CONTROLLER ENCLOSURE.
4. PLACE WEATHERPROOF COPY OF CONTROLLER SCHEDULE INSIDE ENCLOSURE.
5. ALLOW 3 FT. CLEARANCE IN FRONT OF CONTROLLER ENCLOSURE DOOR FOR ACCESS.
6. HUNTER PANEL KIT SCXCH IS REQUIRED FOR INSTALLATION.
7. HUNTER XCHS MOUNTING POLE REQUIRED FOR INSTALLATION.
8. HUNTER SOLENOID REQUIRED FOR EACH VALVE (SRV-100G).

6 CONTROLLER - SOLAR - HUNTER XCH 600 SS

SCALE: N.T.S.



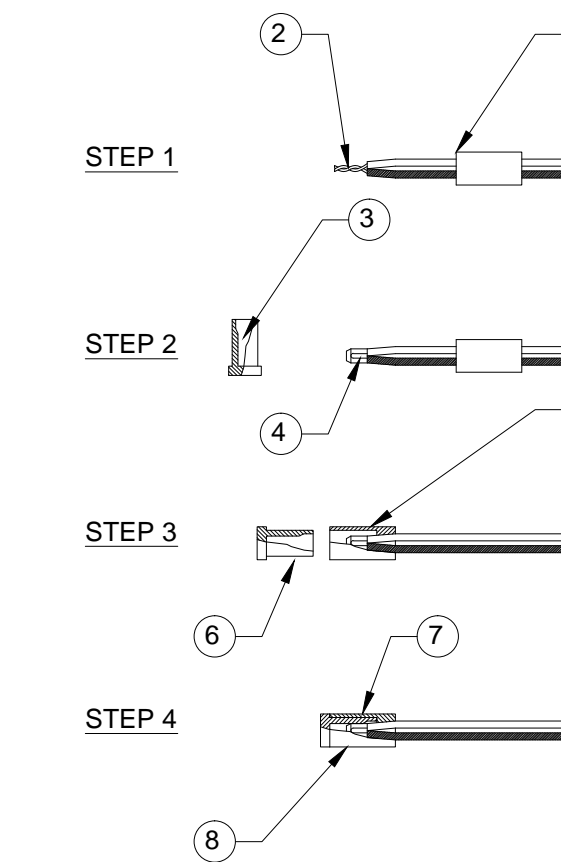
- 1 CONTROL WIRE BUNDLE, TAPE AT 10' INTERVALS.
- 2 PVC LATERAL LINE.
- 3 PVC SCH 40 MAINLINE.
- 4 COMPACT SOIL AROUND CONTROL VALVE PIT ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 SNAKE PVC PIPE IN TRENCHES.
- 7 COMPACT TRENCH BACKFILL IN 6" LIFTS, DENSITY TO MATCH ADJACENT SOIL CONDITIONS.

NOTES:

1. INSTALL 120 VOLT WIRING IN CONDUIT, PER LOCAL CODES.
2. SLEEVE LINES UNDER PAVING.
3. LOOP WIRE BUNDLES (20" MIN.) AT CHANGES IN TRENCH DIRECTION.
4. PROVIDE PIPE DETECTION TAPE FOR MAINLINE TRENCHES.
5. MAKE WIRE CONNECTION AND SPLICES WITH WATER PROOF CONNECTORS PER MFG. RECOMMENDATIONS.
6. BACKFILL OF PIPE TRENCHES SHALL HAVE NO ROCK 1" IN SIZE OR LARGER.
7. PROVIDE 2" SAND BEDDING ALL AROUND PIPE IF ROCKY SOILS PRESENT.

3 IRRIGATION TRENCH

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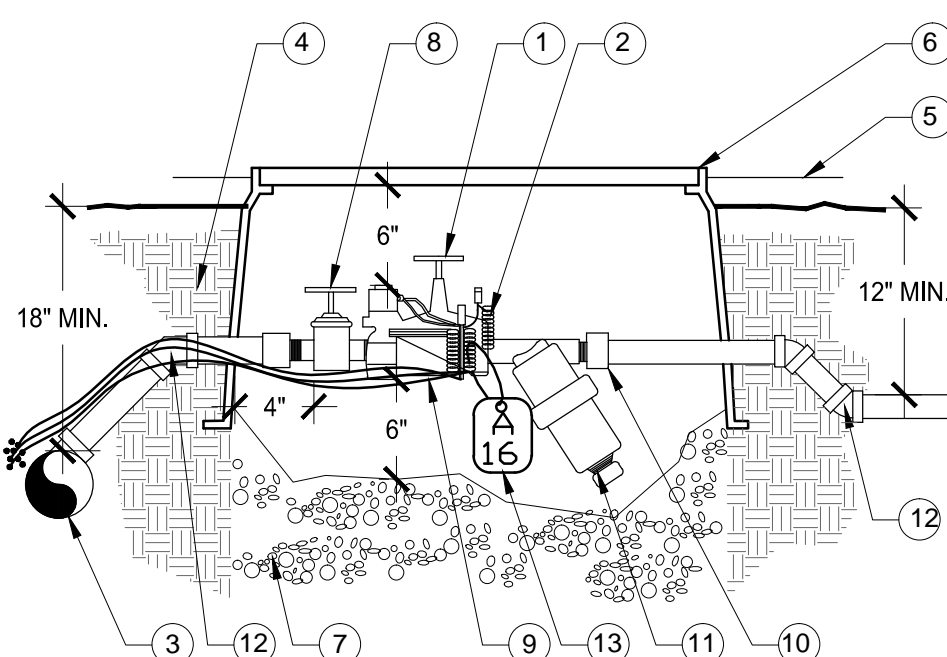


- 1 SLIP BASE SOCKET OVER END OF WIRES.
- 2 STRIP WIRES 3/8" FROM ENDS, TWIST ENDS TOGETHER.
- 3 APPLY SEALER TO OUTSIDE OF SEALING PLUG, FILL CAVITY WITH SEALER.
- 4 PLACE CRIMP SLEEVE OVER WIRE ENDS, CRIMP SLEEVE AND BEND OVER EXCESS WIRE.
- 5 PLACE BASE SOCKET OVER WIRE END SNUG TO CRIMP SLEEVE.
- 6 PUSH SEALING PLUG INTO BASE SOCKET.
- 7 PUSH WIRES TO END OF BASE SOCKET TO ASSURE COMPLETE SEALING OF CONNECTION.
- 8 RAINBIRD PEN-TITE WIRE CONNECTOR APPROVED EQUAL.

NOTE: FOR WIRE SIZES NO.14, NO.12, AND NO.10

6 IRRIGATION WIRE CONNECTIONS

SCALE: N.T.S.

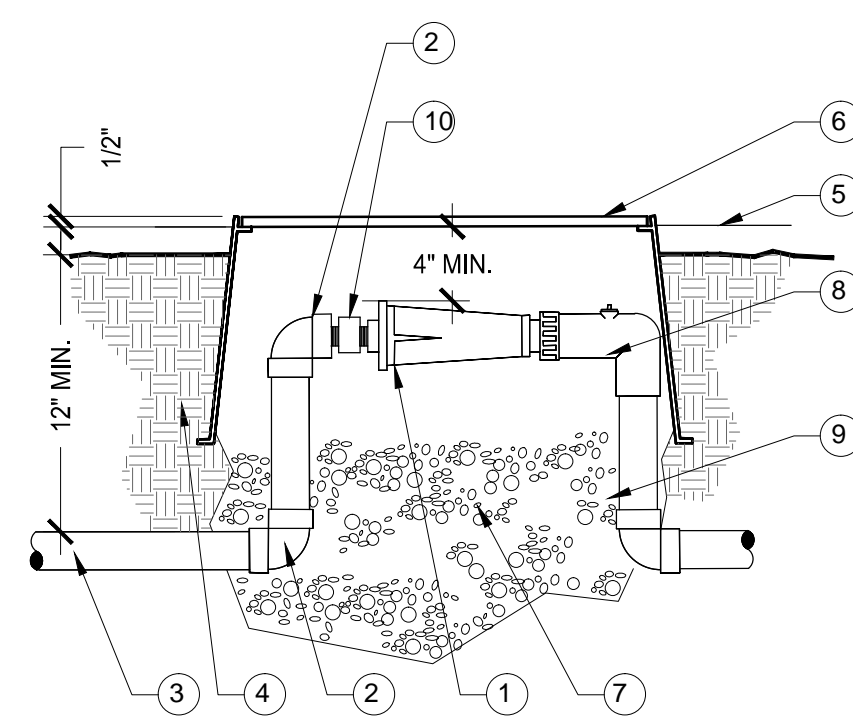


- 1 ELECTRIC REMOTE VALVE PER LEGEND.
- 2 EPOXY FILLED CYLINDER WIRE CONNECTORS.
- 3 PVC SCH 40 MAINLINE.
- 4 COMPACT SOIL AROUND CONTROL VALVE PIT ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 12" VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. TAN COLOR IN DG, GREEN IN TURF.
- 7 3/4" WASHED PEA GRAVEL SUMP, 2 CU. FT MIN.
- 8 PVC ISOLATION BALL VALVE.
- 9 CONTROLLER WIRE, TAPE AND BUNDLE AT 10' INTERVALS.
- 10 PVC SCH 80 UNION.
- 11 WYE FILTER (#150 MESH) WITH STAINLESS STEEL SCREEN, POSITION TO ONE SIDE AND DOWNWARD.
- 12 PVC SCH 80 FITTINGS.
- 13 VALVE TAG, STANDARD VALVE I.D. AND LETTER TO CORRESPOND TO CONTROLLER AND VALVE NUMBER, AFFIX TO CONTROL WIRE W/ ELECTRICAL WIRE TIE.

- NOTES:
1. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. (WRAP WIRE AROUND PIPE 15 TIMES).
 2. SET VALVE BOX PARALLEL W/ GRADE.
 3. SEAL THREADED JOINTS WITH TEFLON.
 4. DO NOT REST VALVE BOX ON MAIN LINE.
 5. LOCATE ONLY 1 VALVE ASSEMBLY PER VALVE BOX.
 6. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
 7. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

7 DRIP VALVE ASSEMBLY

SCALE: N.T.S.



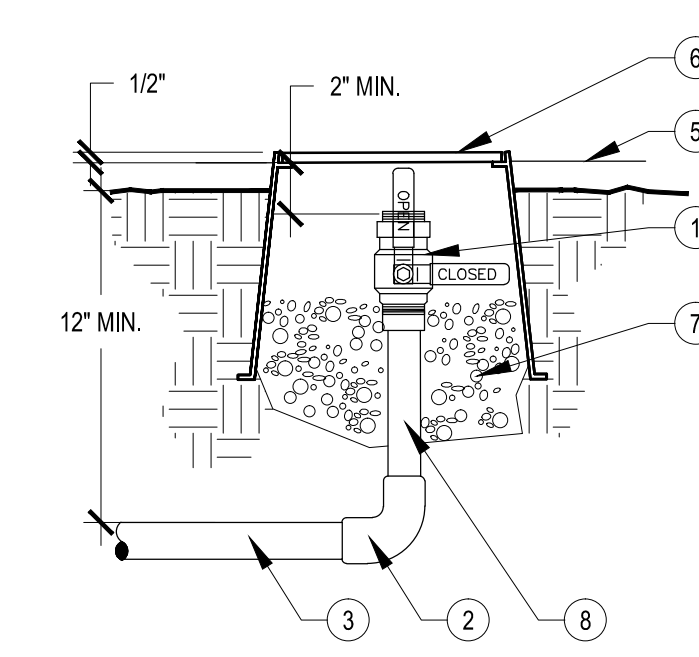
- 1 PRESET PRESSURE REGULATOR, 30 PSI OR PER LEGEND.
- 2 PVC SCH 80 FITTINGS.
- 3 PVC SCH 40 MAINLINE.
- 4 COMPACT SOIL AROUND PRESSURE REGULATOR ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 12" VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. COLOR TO BE TAN IN DG, GREEN IN TURF.
- 7 3/4" WASHED PEA GRAVEL SUMP, 1 CU. FT. (12"X12"X12") MIN.
- 8 PVC 1/2" HT SWIVEL W/ SCHRADER PRESSURE CHECK VALVE.
- 9 PVC SCH 40 LATERAL OR PER IRRIGATION LEGEND.
- 10 PVC SCH 80 UNION.

NOTES:

1. SET VALVE BOX PARALLEL WITH GRADE.
2. SEAL THREADED JOINTS WITH TEFLON.
3. DO NOT REST VALVE BOX ON MAIN LINE.
4. LOCATE ONLY 1 PRESSURE REGULATOR PER VALVE BOX.
5. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
6. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

8 PRESSURE REGULATOR - DRIP VALVE

SCALE: N.T.S.



- 1 BRONZE 3/8" THREADED FULL-PORT BALL VALVE.
- 2 PVC SCH 80 FITTINGS.
- 3 PVC SCH 40 LATERAL OR PER IRRIGATION LEGEND.
- 4 COMPACT SOIL AROUND FLUSH CAP ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. 10" MIN. SIZE. COLOR TO BE TAN IN DG, GREEN IN TURF.
- 7 3/4" WASHED PEA GRAVEL SUMP, 1 CU. FT MIN.
- 8 PVC SCH 80 1/2" NIPPLE RISER (LENGTH AS REQUIRED).

NOTES:

1. SET VALVE BOX PARALLEL W/ GRADE.
2. SEAL THREADED JOINTS WITH TEFLON.
3. DO NOT REST VALVE BOX ON MAIN LINE.
4. LOCATE ONLY ONE FLUSH CAP PER VALVE BOX.
5. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
6. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

9 DRIP VALVE - BALL VALVE FLUSH CAP

SCALE: N.T.S.

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REGISTERED ARCHITECT NO. 44161
JASON E. HARRINGTON
ARIZONA U.S.A.
06.06.23

CITY OF KINGMAN
BEALE STREET IMPROVEMENTS
Beale Street
Kingman, Arizona 86401

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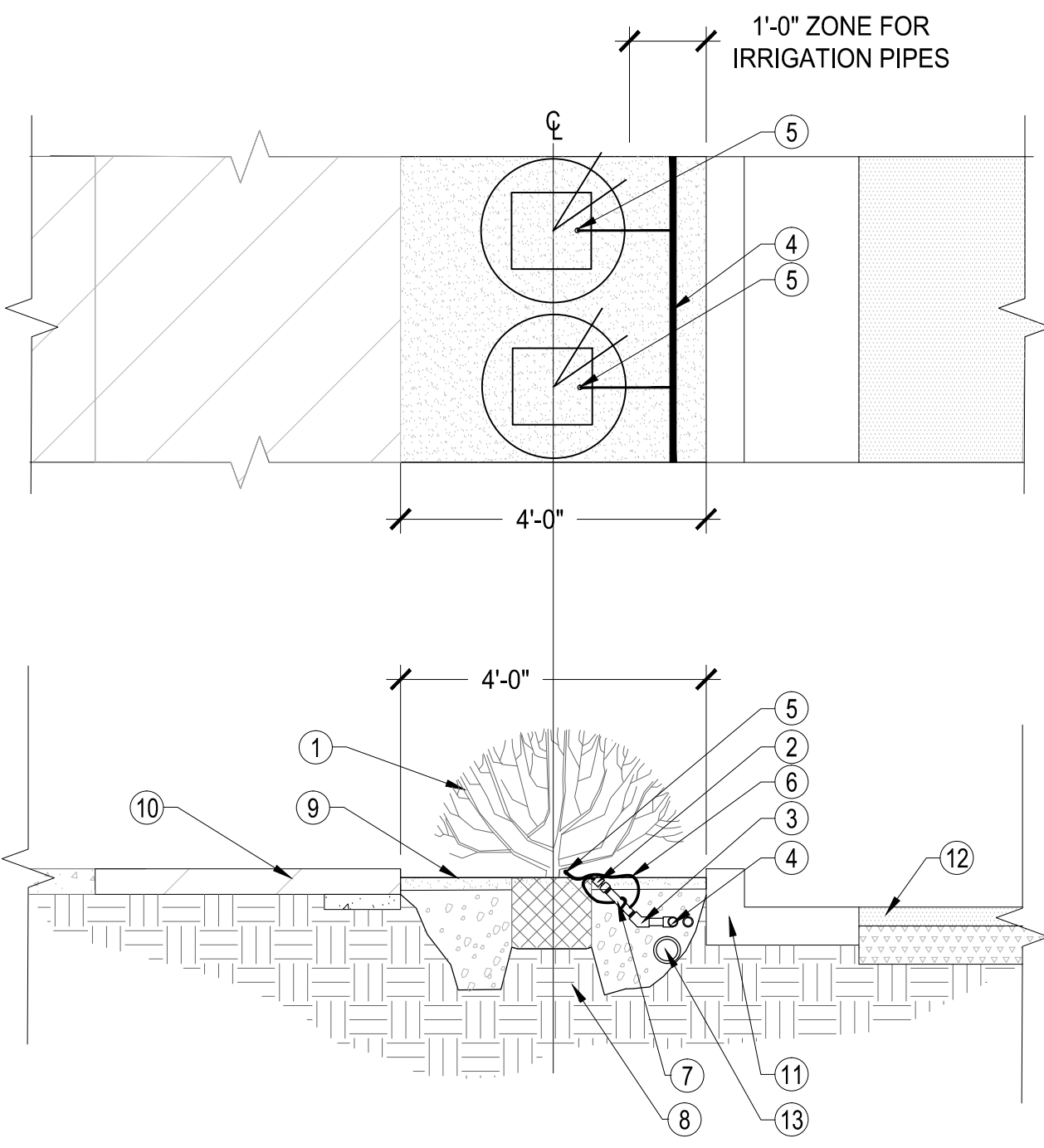
REV.	COMMENT	DATE

LANDSCAPE PACKAGE
June 6, 2023
DRAWN BY: BZS
CHECK BY: JEH
PROJ. NO.: 2020-007
CASE NO.: 17-2597

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DETAILS
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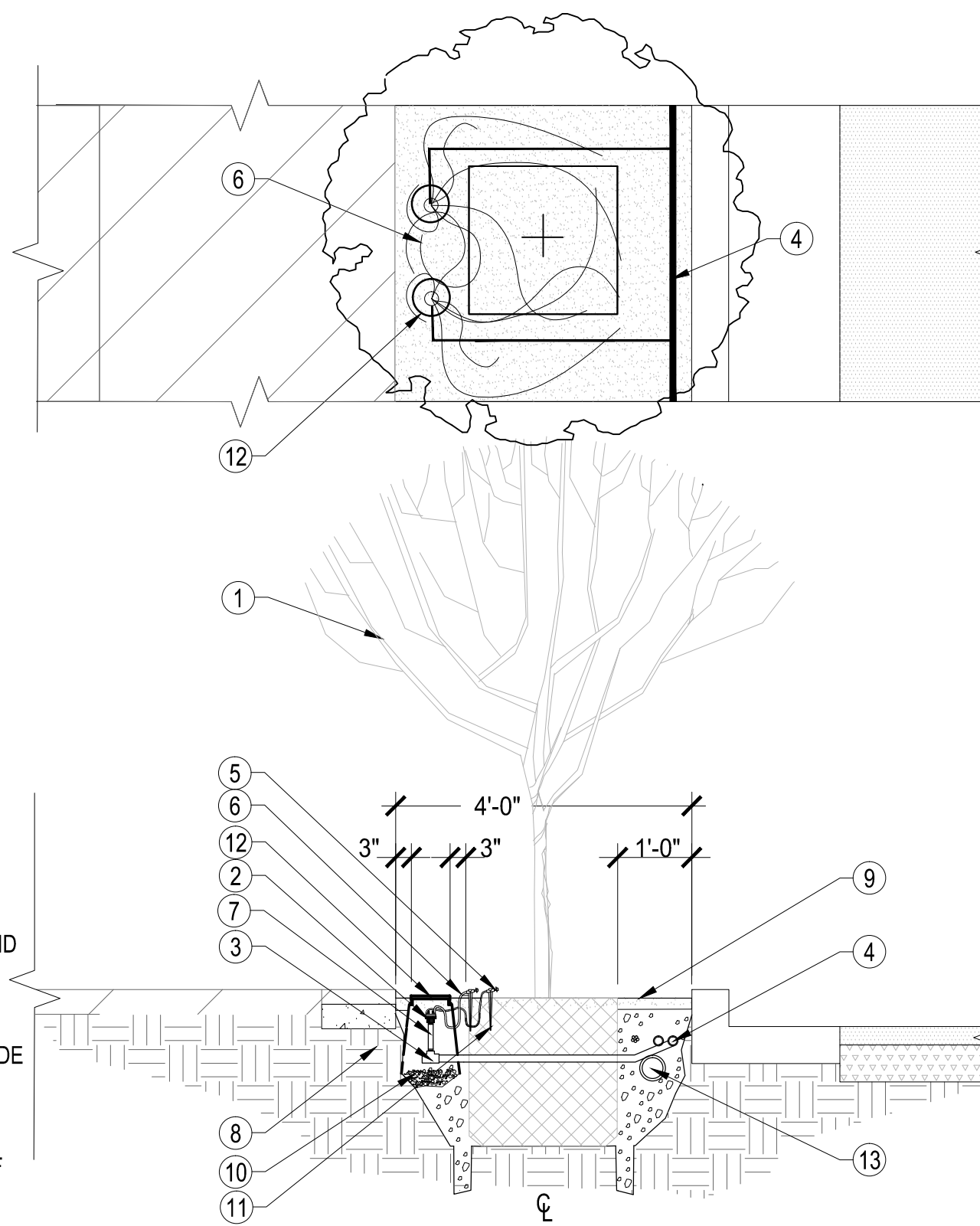


- 1 PLANT MATERIAL, SEE LANDSCAPE LEGEND.
- 2 PRESSURE COMPENSATING EMITTER, THREADED. SEE LEGEND FOR SIZE.
- 3 PVC SCH 80 FITTING, ELL OR TEE.
- 4 PVC SCH 40 LATERAL OR PER IRRIGATION LEGEND.
- 5 BUG CAP.
- 6 DISTRIBUTION TUBING. LOOP AROUND PVC FOR A 5 FT MAXIMUM LENGTH. DO NOT KINK TUBING.
- 7 PVC SCH 80 1/2" NIPPLE RISER, THREADED (LENGTH AS REQUIRED).
- 8 NATIVE UNDISTURBED SOIL OR COMPACT FILL TO 85% STANDARD PROCTOR DENSITY.
- 9 FINISH GRADE / TOP OF DG.
- 10 STAINED CONCRETE SIDEWALK PER PLAN.
- 11 CONCRETE HEADER PER PLAN.
- 12 ROAD ASPHALT SURFACE, SEE CIVIL PLANS.
- 13 MAINLINE PIPE.

- NOTES:
1. SINGLE PORT EMITTER FOR SHRUBS, ACCENTS, AND GROUND COVERS ONLY.
 2. SEAL THREAD JOINTS WITH TEFLON.
 3. SLOPE CONDITIONS: PLACE EMITTER ON UPHILL SIDE OF PLANT.
 4. DO NOT DISTURB ROOTBALL WITH PVC PIPE.
 5. INSTALL EMITTERS ONLY AFTER SYSTEM FLUSH OF LATERALS.

1 SINGLE PORT EMITTER WITH DISTRIBUTION TUBING

SCALE: N.T.S.

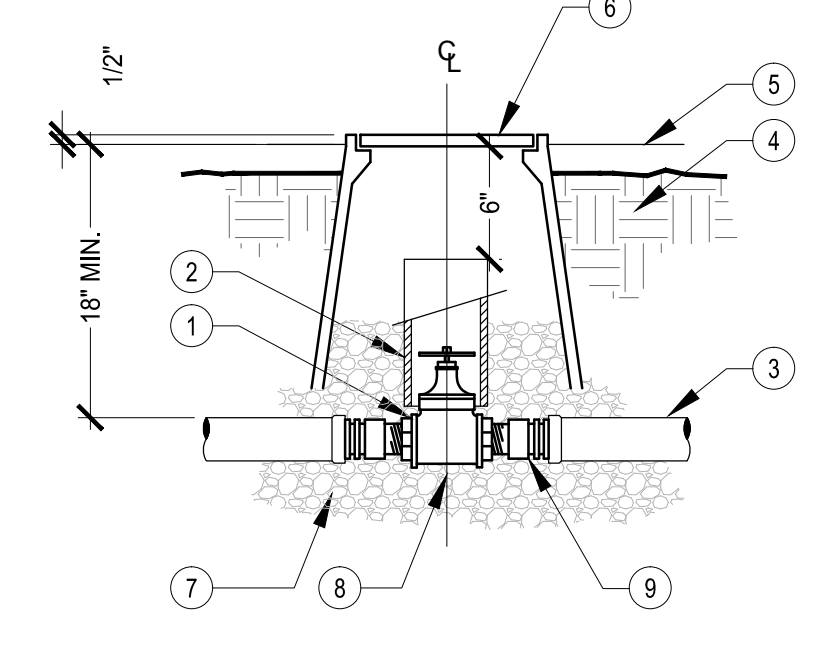


- 1 TREE, SEE LANDSCAPE LEGEND.
- 2 PRESSURE COMPENSATING EMITTER, THREADED. SEE LEGEND FOR SIZE.
- 3 PVC SCH 80 FITTING, ELL OR TEE.
- 4 PVC SCH 40 LATERAL OR PER IRRIGATION LEGEND.
- 5 BUG CAP.
- 6 1/4" DISTRIBUTION TUBING. LOOP FOR A 5 FT. MAXIMUM LENGTH. NO KINKS IN TUBING.
- 7 PVC SCH 80 1/2" NIPPLE RISER, THREADED (LENGTH AS REQUIRED).
- 8 NATIVE UNDISTURBED SOIL OR COMPACT FILL TO 85% STANDARD PROCTOR DENSITY.
- 9 FINISH GRADE / TOP OF DG.
- 10 3/8" WASHED PEA GRAVEL SUMP, 1/2 CU. FT MIN.
- 11 1/4" DISTRIBUTION TUBE EMITTER STAKE.
- 12 6" VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. COLOR TO BE TAN IN DG.
- 13 MAINLINE PIPE.

- NOTES:
1. MULTI PORT EMITTER FOR TREES AND MASSES PLANTS ONLY.
 2. TEFLON SEAL ALL THREAD JOINTS.
 3. ON SLOPE CONDITIONS, PLACE EMITTER ON UPHILL SIDE OF PLANT.
 4. DO NOT DISTURB ROOTBALL WITH PVC PIPE.
 5. SPACE EMITTER TUBING EQUALLY AROUND DRIP LINE OF TREE.
 6. INSTALL EMITTERS ONLY AFTER SYSTEM FLUSH OF LATERALS.
 7. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
 8. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

2 MULTI PORT EMITTER WITH DISTRIBUTION TUBING

SCALE: N.T.S.

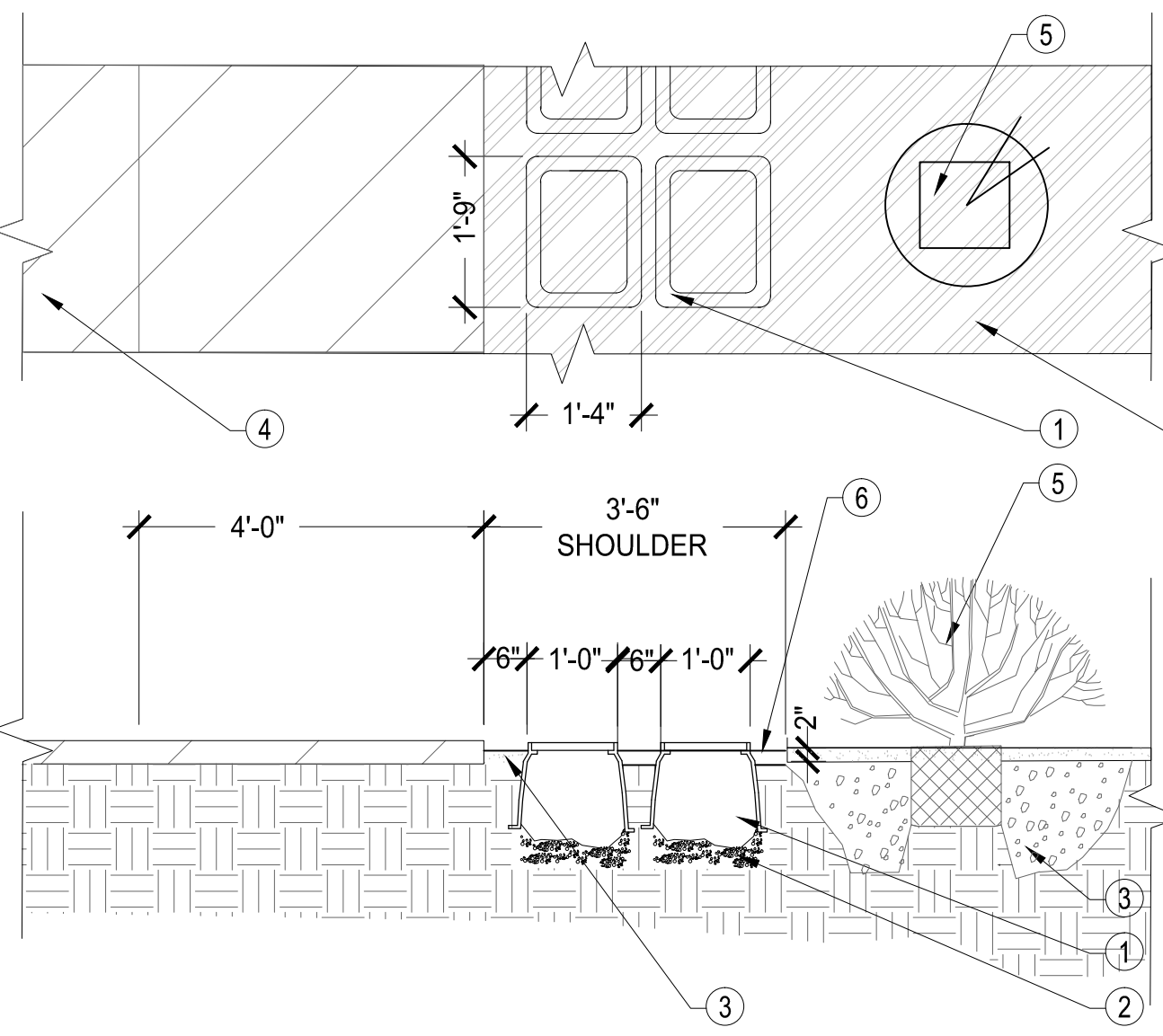


- 1 THREADED BRONZE GATE VALVE WITH SOLE WEDGE, NON-RISING STEM PER LEGEND.
- 2 PVC CL 200 PIPE (LENGTH AS REQUIRED), 6-INCH DIA.
- 3 PVC SCH 40 MAINLINE.
- 4 COMPACT SOIL AROUND GATE VALVE ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. 10" MIN. SIZE. COLOR TO BE TAN IN DG, GREEN IN TURF.
- 7 3/8" WASHED PEA GRAVEL SUMP, 1 CU. FT. (12"X12"X12").
- 8 PROVIDE THRUST BLOCK FOR VALVES 2" OR LARGER.
- 9 SCH 80 PVC COUPLING, 2 PLS.

- NOTES:
1. SET VALVE BOX 1/2" ABOVE FINISHED GRADE.
 2. PROVIDE GATE VALVE KEY - LENGTH AS REQUIRED.
 3. DO NOT REST VALVE BOX ON MAIN LINE.
 4. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
 5. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

3 GATE VALVE ASSEMBLY

SCALE: N.T.S.

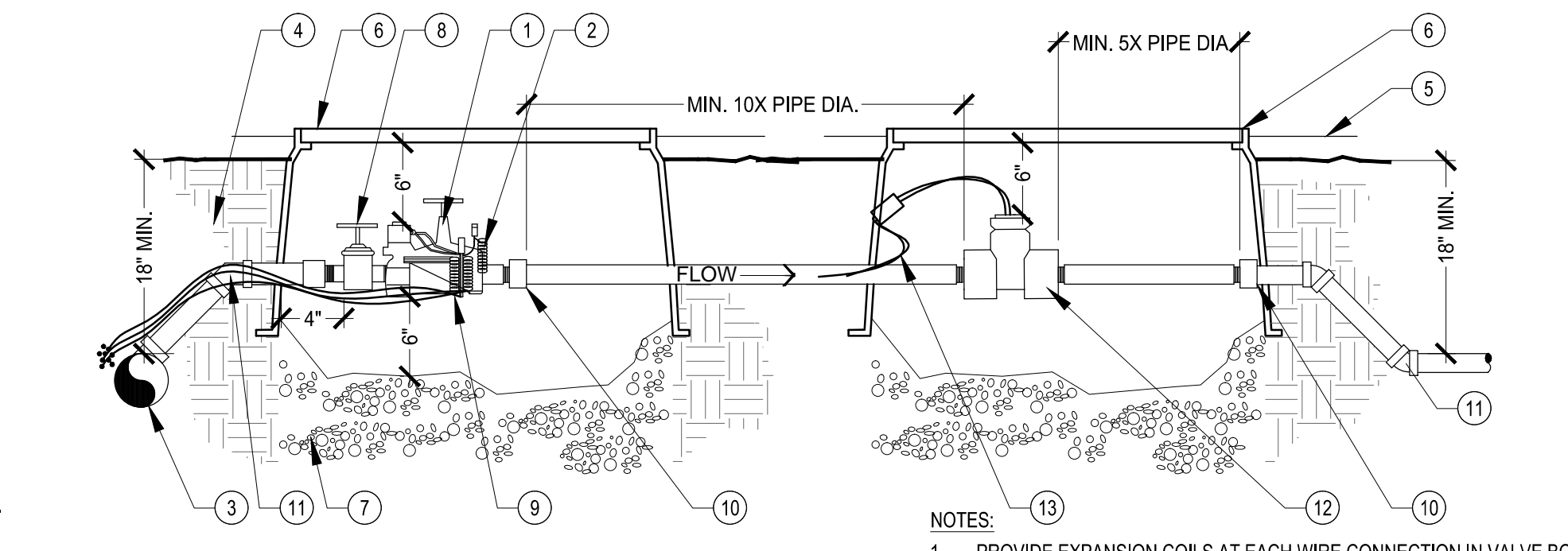


- 1 CARSON 1419-12, 12" STANDARD VALVE BOX.
- 2 3/8" WASHED PEA GRAVEL SUMP, 2 CU. FT MIN.
- 3 LANDSCAPE PLANTER AREA.
- 4 STAINED CONCRETE SIDEWALK.
- 5 PLANT MATERIALS PER PLAN LEGEND.
- 6 FINISH GRADE/TOP OF DG.
- 7 NATIVE UNDISTURBED SOIL OR COMPACT FILL TO 85% STANDARD PROCTOR DENSITY.

- NOTES:
1. PROVIDE VALVE BOX FOR TREE&SHRUB DRIP VALVES AND PRESSURE REGULATORS.
 2. DO NOT REST VALVE BOX ON MAIN LINE.
 3. LOCATE ONLY 1 VALVE ASSEMBLY PER VALVE BOX.
 4. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
 5. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

4 VALVE BOX PLACEMENT

SCALE: N.T.S.

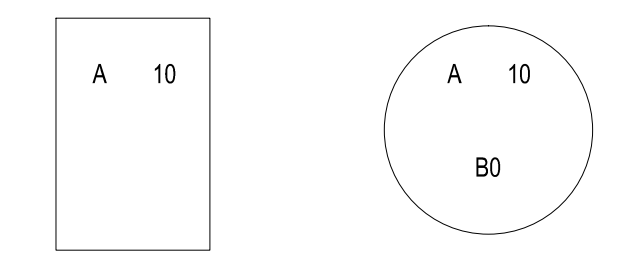


- 1 ELECTRIC REMOTE VALVE PER IRRIGATION LEGEND.
- 2 EPOXY FILLED CYLINDER WIRE CONNECTORS.
- 3 PVC SCH 40 MAINLINE.
- 4 COMPACT SOIL AROUND VALVE BOX ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
- 5 FINISH GRADE / TOP OF DG.
- 6 12" VALVE BOX WITH LOCKING COVER, CARSON, AMETEK, OR APPROVED EQUAL. TAN COLOR IN DG, GREEN IN TURF.
- 7 3/8" WASHED PEA GRAVEL SUMP, 2 CU. FT. MIN.
- 8 PVC ISOLATION BALL VALVE.
- 9 CONTROLLER WIRE, TAPE AND BUNDLE AT 10' INTERVALS.
- 10 PVC SCH 80 UNION.
- 11 PVC SCH 80 FITTINGS.
- 12 FLOW SENSOR, SEE IRRIGATION LEGEND FOR PRODUCT AND SIZE.
- 13 FLOW SENSOR COMMUNICATION CABLE. WIRE TO IRRIGATION CONTROLLER OR TRANSMITTER.

- NOTES:
1. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. (WRAP AROUND PIPE 15 TIMES).
 2. VALVE BOX SHALL BE SET PARALLEL W/ GRADE.
 3. TEFLON SEAL ALL THREAD JOINTS.
 4. DO NOT REST VALVE BOX ON MAIN LINE.
 5. LOCATE ONLY 1 VALVE ASSEMBLY PER VALVE BOX.
 6. UNOBSTRUCTED FLOW REQUIRED BEFORE AND AFTER SENSOR FOR ACCURATE READING. LENGTH BEFORE PIPE TO BE 10 TIMES PIPE DIA. AND AFTER PIPE 5 TIMES PIPE DIA.
 7. MAX. LENGTH OF SENSOR COMM. CABLE TO BE 2000 FT OR PER MFG. REQUIREMENTS.
 8. MAINLINE PIPE SHALL NOT CHANGE SIZE OR DIRECTION WITHIN SPECIFIED SENSING RANGE.
 9. USE 45 DEGREE ELBOWS TO ACHIEVE MAINLINE DEPTH ON DOWN-STREAM SIDE OF SENSOR.
 10. PROVIDE SUPPORT BRICKS TO VALVE BOX AS NECESSARY.
 11. PROVIDE STAINLESS STEEL FASTENERS FOR LOCKING COVER.

5 MASTER VALVE / FLOW SENSOR ASSEMBLY

SCALE: N.T.S.

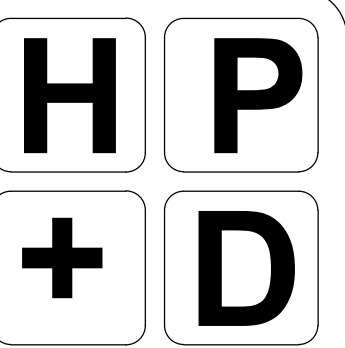


- NOTES:
1. DRIP VALVE ASSEMBLY - SEE BELOW
 2. CONTROL VALVE - SEE BELOW
 3. MASTER VALVE - MV CENTER ON LID
 4. QUICK COUPLER - QC CENTER ON LID
 5. WIRE SPLICE - WS CENTER ON LID
 6. GATE VALVE - GV CENTER ON LID
 7. FLOW SENSOR - FS CENTER ON LID
 8. LETTERS MUST BE STRAIGHT AND LEGIBLE. LIDS WITH INCORRECT SPELLING OR INCORRECT PRODUCT LABEL SHALL BE REPLACED AT NO CHARGE BY CONTRACTOR.

6 VALVE BOX BRANDING

SCALE: N.T.S.

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REV.	COMMENT	DATE

100% Submittal VE	06.08.23
100% Submittal	01.18.23
90% Submittal R1	12.05.22
90% Submittal	03.04.22
60% Submittal	08.06.21
30% Submittal	04.12.21
ISSUE	DATE

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June 6, 2023
DRAWN BY: BZS
CHECK BY: JEH
PROJ. NO.: 2020-007
CASE NO.: 17-2597

IRRIGATION
DETAILS

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