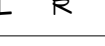
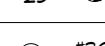
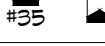
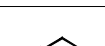
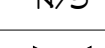
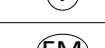
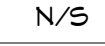
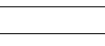
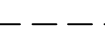
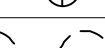
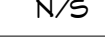
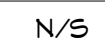
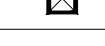
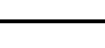


IRRIGATION SCHEDULE				
SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
	RAIN BIRD	1806-SAM-PRS WITH MATCHED PRECIPITATION RATE SERIES NOZZLE	POPUF SPRAY HEAD	1
	RAIN BIRD	1806-SAM-PRS WITH SST, CORNER NOZZLE	POPUF SPRAY HEAD	1
	RAIN BIRD	1812 SAM PRS WITH MATCHED PRECIPITATION RATE SERIES NOZZLE	HI-POP SPRAY HEAD	2
	RAIN BIRD	1812 SAM-PRS WITH SST, CORNER NOZZLE	HI-POP SPRAY HEAD	2
	HUNTER	I-20-06 WITH #MPR25 MATCHED PRECIPITATION NOZZLE (RED)	GEAR DRIVEN ROTOR	3
	HUNTER	I-20-06 WITH #MPR30 MATCHED PRECIPITATION NOZZLE (GREEN)	GEAR DRIVEN ROTOR	3
	HUNTER	I-20-06 WITH #MPR35 MATCHED PRECIPITATION NOZZLE (TAN)	GEAR DRIVEN ROTOR	3
	HUNTER	I-20-12 WITH # STANDARD NOZZLE (BLUE)	HI-POP GEAR DRIVEN ROTOR	4
	HUNTER	I-20-12 WITH #MPR25 MATCHED PRECIPITATION NOZZLE (RED)	HI-POP GEAR DRIVEN ROTOR	4
	HUNTER	I-20-12 WITH #MPR30 MATCHED PRECIPITATION NOZZLE (GREEN)	HI-POP GEAR DRIVEN ROTOR	4
	HUNTER	I-20-12 WITH #MPR35 MATCHED PRECIPITATION NOZZLE (TAN)	HI-POP GEAR DRIVEN ROTOR	4
	RAIN BIRD	PESB WITH NIBCO BALL VALVE AND DECODER	ELECTRIC CONTROL VALVE	5 & 23
	RAIN BIRD	44-LRG	QUICK COUPLING VALVE	6
	WEATHER TRAK	OPTIFLOW XR 2-WIRE WTXOR-G-H2O200-Q/M - 200 STATION MODEL	ELECTRIC CONTROLLER	7
	WEATHER TRAK	ET PRO3 WTPRO3-G-H2O96-SPH WITH WTPATOF-KEY- 96 STATION MODEL	ELECTRIC CONTROLLER	8 & 22
	HUNTER	WRF-GLIK	WEATHER SENSOR DEVICE	9 & 10
	OLDCASTLE / CARSON	REFER TO SPECIFICATIONS AND DETAILS	VALVE BOXES	VARIOUS
	AY MACDONALD	76001 - 1/4 TURN - 1"	MANUAL DRAIN VALVE	11
		LINE SIZE - 2½" AND SMALLER	GATE VALVE	12
		LINE SIZE - 3" AND LARGER	GATE VALVE	13
	BERMAD	IR-8-410 WITH DECODER	MASTER CONTROL VALVE	14
	NETAFIM	360CTO36AL1.0 WITH SENSOR DECODER	FLOW METER	15
	LEEMCO		MECHANICAL JOINT RESTRAINTS	16
		CLASS 200 BE - 2½" & SMALLER	PVC MAINLINE	17
		CLASS 200 RT - 3" & LARGER	PVC MAINLINE	17 & 16
		CLASS 200 BE	PVC LATERAL	17
		CLASS 160	PVC SLEEVING	18
		CLASS 200 BE - 1"	PVC DRIP LATERAL	17
	RAIN BIRD	XCZ-100-PRB-COM WITH DECODER	DRIP VALVE ASSEMBLY	19 & 23
	TORO	BLUE STRIPE	POLY DRIP TUBING -¾" MIN. WIDTH	19-21
	RAIN BIRD	XBCV - XERI-BUG WITH CHECK VALVE	DRIP EMITTERS	20
	HUNTER / NIBCO	ECO-ID-12 WITH NIBCO BALL VALVE	DRIP LINE BLOW-OUT STUB AND INDICATOR HEAD	21
	BERMAD	C30-P (2")	AIR RELIEF VALVE	25
	WEATHER TRAK	WT2W-H2O-1VD	VALVE DECODER	23
	WEATHER TRAK	WT2W-H2O-FS	FLOW SENSOR DECODER	15 & 23
	WEATHER TRAK	WT2W-H2O-MV	MASTER VALVE DECODER	14 & 23
	RAIN BIRD	PARALLEL MAXIWIRE (12 GAUGE)	2-WIRE DECODER CABLE	VARIOUS
	WEATHER TRAK	WT2W-H2O-SA	SURGE PROTECTION	24
			BOOSTER PUMP	(SEE PUMP PLAN)
	NETAFIM	61PRIF-HP-G (6")	PRESSURE REDUCING VALVE	26
	NETAFIM	36HM1.5TG (FOR POOL AND COMMERCIAL) 36HM3FG-1 (FOR PARK) WITH SENSOR DECODER	SUBMETER	15
			EXISTING CONTROLLERS	
			EXISTING METER	
			EXISTING SLEEVING	
 CONTROLLER & STATION NO. CONTROL VALVE SIZE				

IRRIGATION CONSTRUCTION NOTES

1. DRAWINGS AND BASE INFORMATION - ALL BASE AND PLANTING INFORMATION HAVE BEEN PROVIDED BY NORRIS DESIGN. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY HYDROSYSTEMS*KDI OF ANY DISCREPANCIES BETWEEN THE UTILITY OR PLANTING PLANS AND THE IRRIGATION PLAN. IF CONTRACTOR FAILS TO NOTIFY HYDROSYSTEMS*KDI AND MAKES CHANGES TO THE IRRIGATION SYSTEM DESIGN, THEY ASSUME ALL COSTS AND LIABILITIES ASSOCIATED WITH THOSE FIELD CHANGES. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS. CONTACT IRRIGATION CONSULTANT FOR CURRENT SPECIFICATIONS IF NOT PROVIDED.

2. SYSTEM PRESSURE - STATIC WATER PRESSURE FROM THE PUMP STATION SHOULD BE 125 PSI. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRESSURE PRIOR TO COMMENCING ANY CONSTRUCTION AND NOTIFY HYDROSYSTEMS*KDI OF ANY VARIANCE FROM THE STATED PRESSURE IMMEDIATELY. WRITTEN DOCUMENTATION OF PRESSURE TEST AND RESULTS SHALL BE PROVIDED TO HYDROSYSTEMS*KDI AT CONSTRUCTION ONSET. IF CONTRACTOR FAILS TO FIELD VERIFY PRESSURE AND/OR NOTIFY HYDROSYSTEMS*KDI OR ANY VARIATIONS FROM THIS PRESSURE, THEN THEY ASSUME ALL CONSTRUCTION AND ENGINEERING COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE ACTUAL SITE PRESSURE. REFER TO POINT OF CONNECTION NOTES FOR SPECIFIC PRESSURE REQUIRED AT THAT LOCATION. THIS SYSTEM HAS BEEN DESIGNED FOR A REQUIRED STATIC PRESSURE OF 125 PSI MINIMUM.

3. RAW WATER SOURCE - THIS SITE HAS BEEN DESIGNED TO BE IRRIGATED WITH POND WATER. DESIGN REFLECTS FILTRATION LEVELS FOR KNOWN ISSUES. SHOULD ALGAE GROWTH BE A CONCERN, A DISC FILTER MAY BE REQUIRED AND ADDITIONAL CHLORINE TREATMENT IS RECOMMENDED. INSTALLATION CREWS ARE TO BE INFORMED OF THE FILTER MAINTENANCE REQUIREMENTS AND ANY ADDITIONAL FLUSHING THAT MAY BE REQUIRED PRIOR TO INSTALLATION OF NOZZLES OR DRIP EMITTERS.

4. IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A SIX NIGHT PER WEEK, SIX HOUR PER NIGHT WATERING WINDOW. ESTABLISHMENT WATERING WILL REQUIRE UP TO TWICE AS MUCH IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES ARE BASED ON A 30-YEAR AVERAGE WEATHER DATA AND WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND WEATHER CONDITIONS ABOVE AND BELOW THE AVERAGE VALUES UTILIZED.

BLUEGRASS TURF1.39" PER WEEK PEAK SEASON
ORNAMENTAL PLANTINGS0.77" PER WEEK PEAK SEASON
NATIVE SEED MIXES0.23" PER WEEK PEAK SEASON (TWO SEASONS)

NOTE: IT IS THE INTENT OF THIS DESIGN THAT NATIVE AREAS WOULD ONLY BE IRRIGATED FOR ESTABLISHMENT. SYSTEM WILL REMAIN FOR USE DURING YEARS WITH LESS THAN NORMAL RAINFALL.

5. EQUIPMENT INSTALLATION - IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN PROPERTY LIMITS AND WITHIN LANDSCAPED AREAS. INSTALLATION SHALL BE COORDINATED WITH OTHER UTILITY WORK. ALL OTHER UTILITIES SHALL TAKE PRECEDENCE OVER IRRIGATION LOCATION. ANY EQUIPMENT OTHER THAN VALVE BOXES OR SLEEVING THAT CONTAINS PIPE OR WIRES SHOWN OUTSIDE OF THESE LIMITS IS SHOWN IN THAT LOCATION FOR GRAPHICAL CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM EDGE OF ANY PAVED SURFACES UNLESS SPECIFICALLY INDICATED ON PLANS. BOXES INSTALLED IN OPEN TURF AREAS SHALL BE KEPT TO EDGES AND STAKED FOR REVIEW IF ALONG HIGH TRAFFIC AREAS. ALL VALVE BOXES SHALL BE PLACED A MINIMUM OF 3'-0" FROM THE CENTERLINE OF ANY DRAINAGE SWALE. ALL VALVE BOXES WITHIN PAVEMENT SHALL BE TIER 15 RATED BOXES FOR HEAVY DUTY NON-DELIBERATE TRAFFIC. BOX LID COLOR SHALL MATCH ADJACENT MATERIALS, I.E. GREEN IN TURF, TAN IN WOOD MULCH, GRAY IN STONE MULCH, PURPLE FOR RECLAIMED WATER SYSTEMS (IF REQUIRED). REFER TO LANDSCAPE PLANS FOR MATERIAL COLORS AND TYPES. ALL BOXES SHALL BE INSTALLED TO BE FLUSH WITH GRADE AND IN AN ORDERLY MANNER. WHERE MORTAR PAVING LIDS ARE INSTALLED ABOVE BOXES, IRRIGATION BOX WITH LID SHALL BE LOWERED TO ACCOMMODATE PAVING LID. REFER TO LANDSCAPE FOR ADDITIONAL INFORMATION, TO BE INSTALLED PER MANUFACTURE RECOMMENDATIONS.

6. PIPING INSTALLATION - IRRIGATION PIPING SHALL MAINTAIN A MINIMUM DISTANCE FROM BUILDING FOUNDATIONS OF 5 FEET OR AS DESCRIBED IN SOILS REPORT, WHICHEVER IS GREATER. NO SPRAY IRRIGATION SHALL OCCUR WITHIN 10 FEET OF THE FOUNDATION. NO DRIP IRRIGATION SHALL OCCUR WITHIN 5 FEET OF THE FOUNDATION UNLESS SOIL MOISTURE SENSORS ARE INSTALLED ON VALVES SERVICING THESE AREAS. ALL IRRIGATION PIPING AND EMISSION DEVICES LOCATED ON TOP OF OR WITHIN BUILDING STRUCTURE SHALL CONFORM TO WATERPROOFING CONSULTANT REQUIREMENTS. PIPE ROUTING MAY BE SHOWN WITHIN THESE DISTANCES FOR GRAPHICAL CLARITY ONLY.

7. MANUAL DRAIN VALVES - CONTRACTOR TO INSTALL ONE MANUAL DRAIN VALVE ON PRESSURE SUPPLY LINE DIRECTLY DOWNSTREAM OF BACKFLOW PREVENTER AND AT ALL LOW POINTS AND DEAD ENDS OF PRESSURE SUPPLY PIPING TO ENSURE COMPLETE DRAINAGE OF SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THESE LOCATIONS IN-FIELD AND INSTALLATION LOCATIONS SHALL BE NOTED ON AS-BUILTS.

8. POP-UP SPRAY NOZZLES - CONTRACTOR TO INSTALL PLASTIC NOZZLES ON ALL POP-UP SPRAY HEADS. INSTALL 15 SERIES NOZZLES ON ALL HEADS SPACED AT 12' TO 14'. INSTALL 12 SERIES NOZZLES ON ALL HEADS SPACED 10' TO 11'. INSTALL 10 SERIES NOZZLES ON ALL HEADS SPACED AT 8' TO 9'. INSTALL 8 SERIES NOZZLES ON ALL HEADS SPACED AT 6' TO 7'. INSTALL 5' NOZZLES ON ALL HEADS SPACED AT 5'. INSTALL SIDE STRIP NOZZLES ON ALL HEADS WITH AN 'S' DESIGNATION AND RIGHT AND LEFT CORNER STRIP NOZZLES ON ALL HEADS WITH AN 'L' OR 'R' DESIGNATION. VARIABLE ARC NOZZLES SHOULD BE UTILIZED ADJACENT TO CURVILINEAR SHRUB BEDS OR FOR ANY ANGLES THAT ARE NOT A STANDARD NOZZLE ANGLE.

9. DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND PLACEMENT.

10. UNLABELED PIPING - ALL UNLABELED LATERAL PIPING SHALL BE 1" MINIMUM UNLESS OTHERWISE NOTED.

11. SLEEVING - ALL NEW SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS BY CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS OR BASED ON THE SCHEDULE BELOW. WHERE SLEEVES ARE SHOWN, BUT NOT LABELED, FOLLOW THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING. ALL MAINLINE SLEEVE LOCATIONS TO INCLUDE A SEPARATE WIRE SLEEVE.

SLEEVED PIPE SIZE/WIRE QUANTITYREQUIRED SLEEVE SIZE & QUANTITY

¾" - 1¼" PIPING2" PVC (1)

1½" - 2" PIPING4" PVC (1)

2½" - 3" PIPING6" PVC (1)

4" PIPING8" PVC (1)

6" PIPING10" PVC (1)

8" PIPING12" PVC (1)

COMMUNICATION CABLE2" PVC (1)

12. 2-WIRE SYSTEM NOTES - CONTRACTOR SHALL INSTALL ALL TWO-WIRE COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS AND STANDARDS.

12.1. CONTRACTOR SHALL USE ONLY MANUFACTURED 2-WIRE DECODER CABLE (SEE SCHEDULE FOR SPECIFIC 2-WIRE CABLE).

12.2. USE DIFFERENT COLOR 2-WIRE DECODER CABLE FOR EACH CONTROLLER (BLUE FOR A AND BLACK FOR B).

12.3. ONLY USE SINGLE STATION DECODERS (SEE SCHEDULE FOR SPECIFIC MODEL).

12.4. ONLY USE SENSOR DECODER FOR FLOW SENSOR (SEE SCHEDULE FOR SPECIFIC MODEL) IF INDICATED ON PLANS.

12.5. LOOP 5 OF 2-WIRE DECODER CABLE INTO ALL VALVE BOXES (WITH DECODERS AND SPICES) FOR MAINTENANCE.

12.6. LOOP 2 OF 2-WIRE DECODER CABLE AS AN EXPANSION LOOP AT ALL CHANGES OF DIRECTION.

12.7. USE ONLY 3M DBR-6 WATERPROOF CONNECTORS ON ALL WIRE SPLICES AND ALL WIRE SPLICES ARE TO BE MADE WITHIN A VALVE BOX WITH CONTROL VALVES OR A SEPARATE 10" ROUND VALVE BOX FOR WIRE SPLICES.

12.8. INSTALL SURGE PROTECTOR RODS OR PLATES 8 LF. PERPENDICULARLY FROM VALVES, DECODERS, AND COMMUNICATION WIRE. WHERE 8 LF IS NOT AVAILABLE, REFER TO ASIC GUIDELINES FOR PLATE LAYOUT.

12.9. GROUNDING SHALL BE IN AN IRRIGATED AREA.

12.10. GROUND ALL DECODERS AND DECODER WIRE A MINIMUM OF EVERY 600' OF WIRE OR EVERY 12TH DECODER AND AT ALL ENDS OF 2-WIRE DECODER CABLE RUN.

12.11. LOOP EXTRA 10' OF 2-WIRE DECODER CABLE INTO A VALVE BOX AT PHASING LINES FOR FUTURE CONNECTION (IF INDICATED ON PLANS).

13. ADJUSTMENT - CONTRACTOR SHALL FINE TUNE/ADJUST THE IRRIGATION SYSTEM TO REDUCE/AVOID OVERSPRAY ONTO HARD SURFACES BY ADJUSTING NOZZLE DIRECTION AND NOZZLE RADIUS.

14. PLANS AND SPECIFICATIONS - CONTRACTOR RESPONSIBLE TO ENSURE WORK CONFORMS TO PLANS AND SPECIFICATIONS. AT ONSET OF CONSTRUCTION, VERIFY PLANS ARE CURRENT. DO NOT CONSTRUCT ANY PORTIONS OF THE IRRIGATION OFF OF PLANS MARKED NOT FOR CONSTRUCTION OR FOR REVIEW ONLY. FAILURE TO VERIFY CURRENT PLANS MAY RESULT IN RECONSTRUCTION AT CONTRACTOR'S EXPENSE. WHERE REQUIRED BY CITY, TOWN OR WATER DISTRICT ENTITY, CONTRACTOR SHALL CONSTRUCT ONLY OFF PLANS STAMPED WITH APPROVAL. REVISIONS TO APPROVED OR STAMPED PLANS SHALL CONFORM TO FIELD CHANGE PROCEDURES AND DOCUMENTATION.

15. EXISTING IRRIGATION DAMAGE - CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING IRRIGATION SYSTEMS DAMAGED DURING NEW INSTALLATION. REPAIR OR REPLACEMENT SHALL BE DETERMINED BY OWNER OR OWNER'S REPRESENTATIVE AND PAID FOR BY THE LANDSCAPE CONTRACTOR.

16. EXISTING IRRIGATION COORDINATION - EXISTING IRRIGATION SYSTEM SHALL NOT BE TURNED OFF FOR MORE THAN 24 HOURS MAXIMUM. CONTRACTOR SHALL COORDINATE TURN OFF OF SYSTEM WITH OWNER OR MAINTENANCE STAFF 72 HOURS PRIOR TO ANY NEW CONSTRUCTION.

17. SIMULTANEOUS ZONE OPERATION - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY BASED ON INDIVIDUAL ZONE FLOW. THE DESIGN IS INTENDED TO OPERATE MULTIPLE VALVES, UP TO THE MAXIMUM FLOW IN THE POINT OF CONNECTION NOTE. REFER TO CONTROLLER SPECIFICATION FOR MAXIMUM SIMULTANEOUS VALVE COUNT.

18. WATER BUDGETS AND PROJECTIONS - HYDROSYSTEMS-KDI HAS BASED THE IRRIGATION DESIGN AND THE ASSOCIATED PROJECTED WATER USE UPON SUCH FACTORS AS CITY OR WATER DISTRICT IMPOSED REQUIREMENTS, PUBLISHED PLANT SPECIES WATER NEEDS, SELECTED IRRIGATION METHOD EFFICIENCIES AS REPORTED BY INDEPENDENT TESTING FACILITIES, HISTORICAL WEATHER DATA FOR THE PROJECT LOCATION, AND PROPER MAINTENANCE PROCEDURES. HYDROSYSTEMS*KDI IS NOT RESPONSIBLE, AND ACCEPTS NO RESPONSIBILITY, FOR THE ACTUAL WATER USAGE VARIATION THAT IS A RESULT OF FIELD MODIFICATIONS TO THE SYSTEM NOT MATCHING CONSTRUCTION DOCUMENTS, IMPROPER MAINTENANCE, WASTE DUE TO SYSTEM DAMAGE OR VANDALISM, OR WEATHER CONDITIONS THAT DEVIATE FROM PUBLISHED 30 YEAR HISTORICAL AVERAGES.

19. PRESSURE TESTING - CONDUCT MAINLINE TEST IN PRESENCE OF CONSULTANT. ARRANGE FOR PRESENCE OF CONSULTANT 48 HOURS IN ADVANCE OF TESTING. SUPPLY FORCE PUMP AND ALL OTHER TEST EQUIPMENT. COMPRESSED AIR SHALL NOT BE USED FOR PRESSURE TESTING SYSTEM.

19.1 AFTER BACKFILLING, AND INSTALLATION OF ALL CONTROL VALVES, FILL PRESSURE SUPPLY LINE WITH WATER, AND PRESSURIZE TO 40 PSI OVER THE DESIGNATED STATIC PRESSURE OR 120 PSI, WHICHEVER IS GREATER, FOR A PERIOD OF 2 HOURS.

19.2 LEAKAGE, PRESSURE LOSS - TEST IS ACCEPTABLE IF NO LOSS OF PRESSURE IS EVIDENT DURING THE TEST PERIOD.

19.3 LEAKS - DETECT AND REPAIR LEAKS.

19.4 RETEST SYSTEM UNTIL TEST PRESSURE CAN BE MAINTAINED FOR DURATION OF TEST.

19.5 BEFORE FINAL ACCEPTANCE, PRESSURE SUPPLY LINE SHALL REMAIN UNDER PRESSURE FOR A PERIOD OF 48 HOURS.

19.6 PRESSURE TEST SHALL BE SCHEDULED AND PASSED PRIOR TO SCHEDULING OF SUBSTANTIAL COMPLETION WALK-THROUGH.

IR-9

IR-8

IR-7

IR-6

IR-5

IR-4

IR-3

IR-2

IR-1

IR-11

IR-10

IR-12

IR-13

IR-14

IR-15

IR-16

IR-17

IR-18

IR-19

IR-20

IR-21

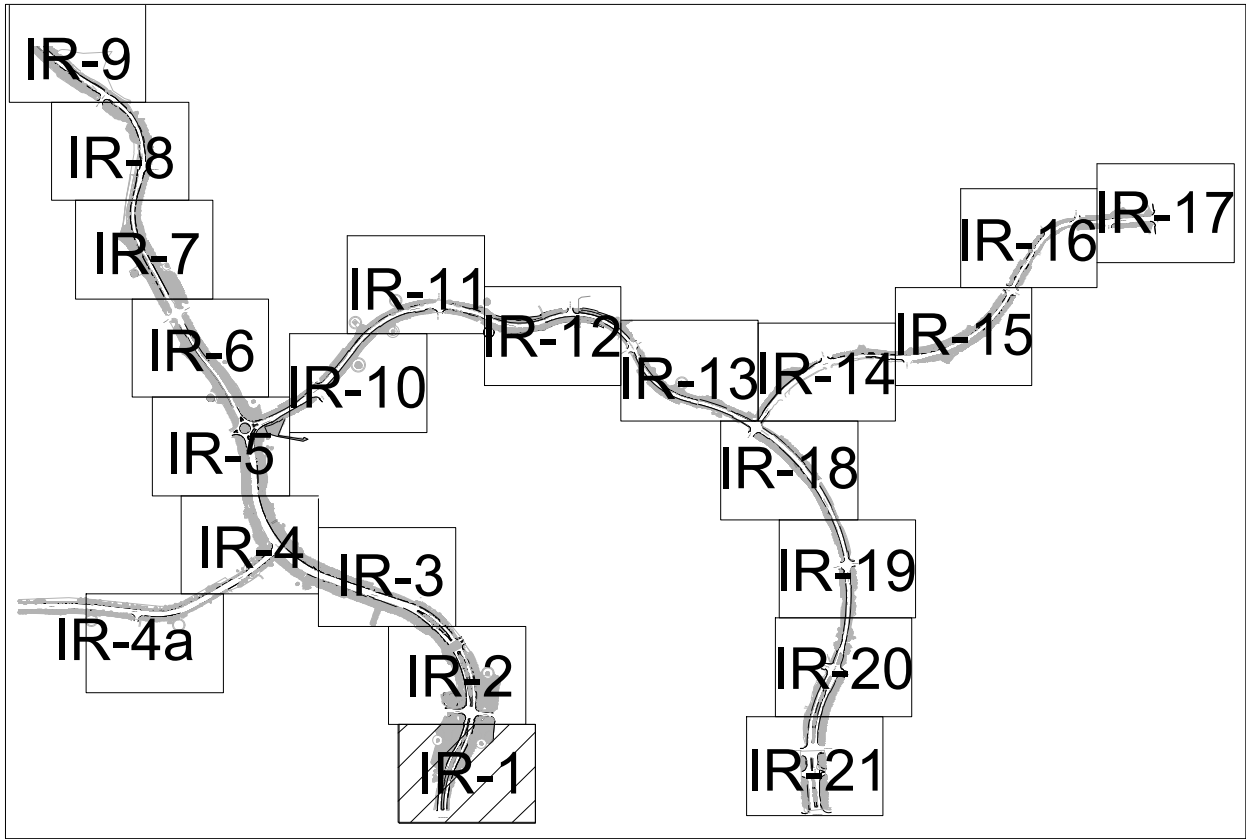
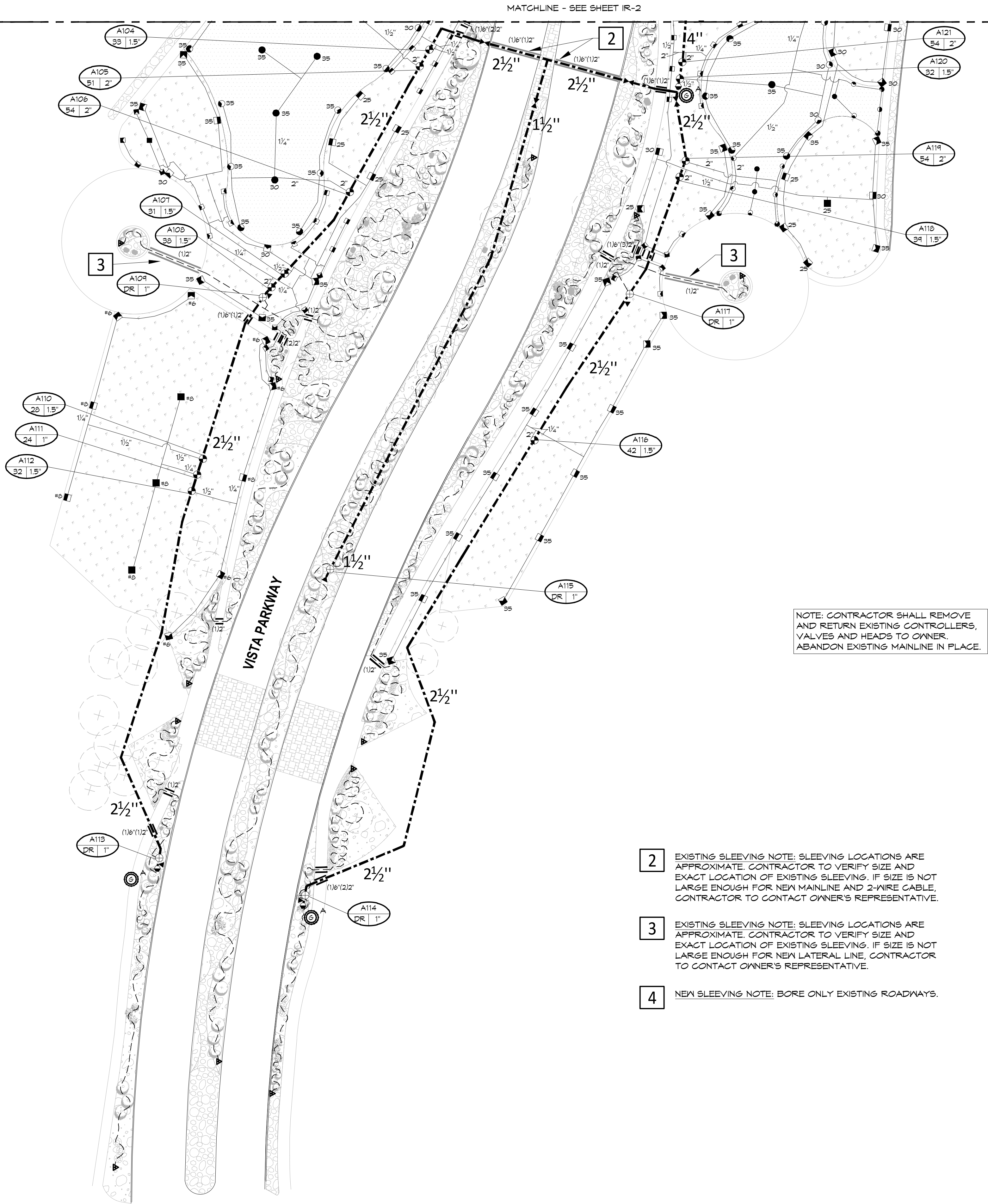
IR-4a

KEYMAP
N.T.S.

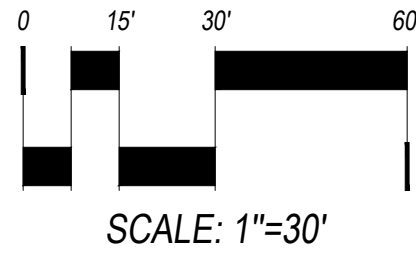
REVIEW

NOT FOR CONSTRUCTION

DIRECTORY	
IRRIGATION SCHEDULE	IR-0
IRRIGATION NOTES	IR-0
IRRIGATION PLANS	IR-1 - IR-21
IRRIGATION DETAILS	IR-22 - IR-24



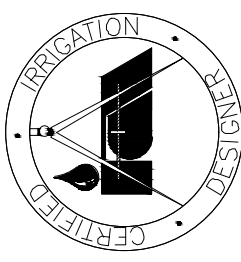
KEYMAP
N.T.S.



REVIEW
NOT FOR
CONSTRUCTION

REVISION: BY	DATE	
	DESCRIPTION	
ISSUE DATE: 02/23/2024 DRAWN BY: JK CHECKED BY: TB		
SHEET DESCRIPTION: IRRIGATION PLAN		
IR-1		

Vista Ridge
ERIE COLORADO



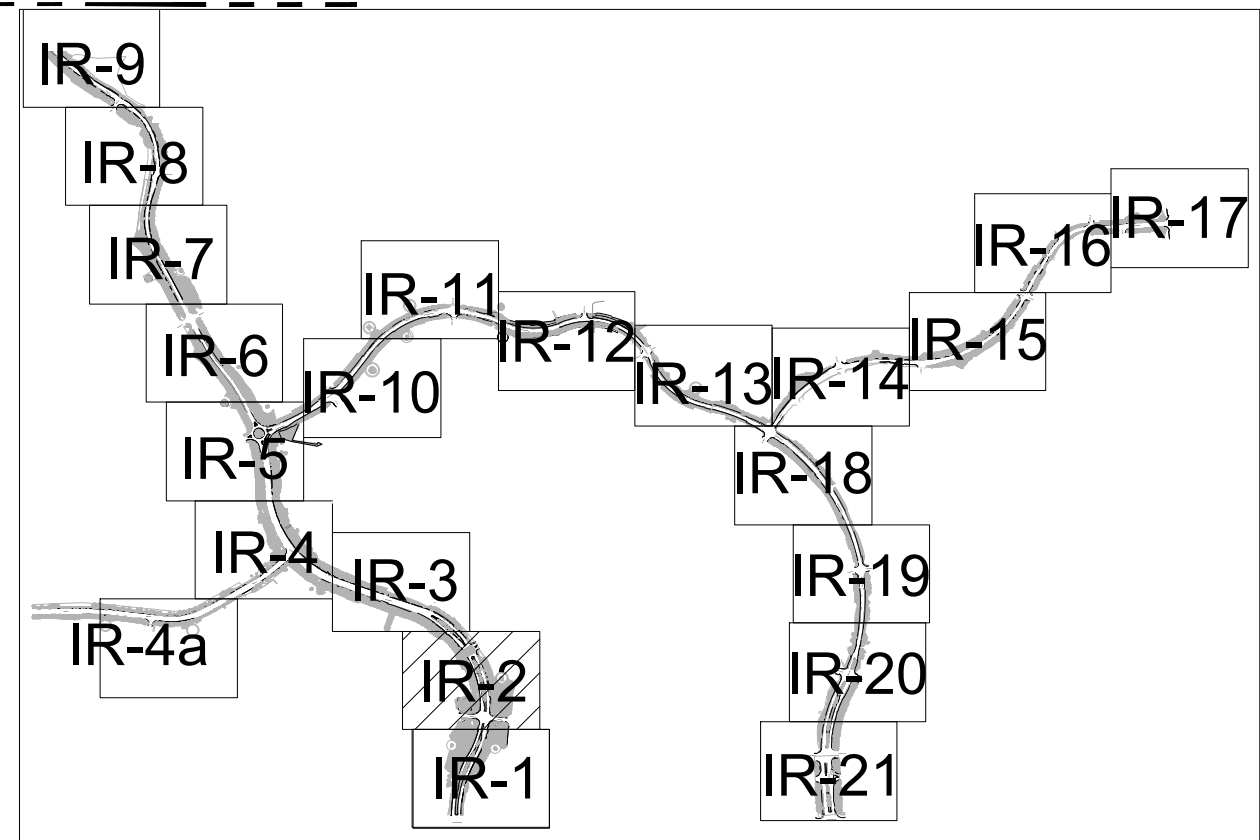
KDI
HydroSystems
Irrigation Consulting & Water Management
13949 W. Colfax Ave, Suite 260
Lakewood, Colorado 80401
o. 303.980.5327
www.hydrosystems-kdi.com



MATCHLINE - SEE SHEET IR-3

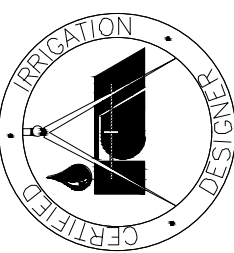
NOTE: CONTRACTOR SHALL REMOVE AND RETURN EXISTING CONTROLLERS, VALVES AND HEADS TO OWNER. ABANDON EXISTING MAINLINE IN PLACE.

MATCHLINE - SEE SHEET IR-1



KEYMAP
N.T.S.

- 2 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING, IF SIZE IS NOT LARGE ENOUGH FOR NEW MAINLINE AND 2-WIRE CABLE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 3 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING, IF SIZE IS NOT LARGE ENOUGH FOR NEW LATERAL LINE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 4 NEW SLEEVING NOTE: BORE ONLY EXISTING ROADWAYS.



IRRIGATION DESIGN
AND CONSULTING

Vista Ridge
ERIE COLORADO

REVISION:	DATE
BY	

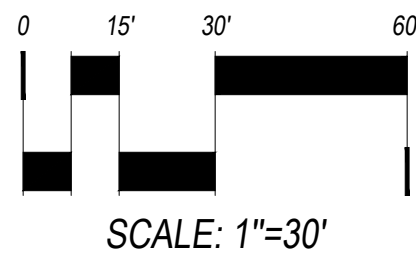
ISSUE DATE:
02/23/2024
DRAWN BY: JK
CHECKED BY: TB

SHEET DESCRIPTION:
IRRIGATION
PLAN

IR-2

DIRECTORY
IRRIGATION SCHEDULE
IRRIGATION NOTES
IRRIGATION PLANS
IRRIGATION DETAILS

IR-0
IR-0
IR-1 - IR-21
IR-22 - IR-24

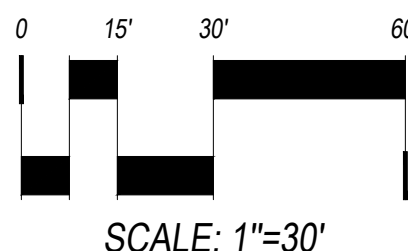


REVIEW
NOT FOR
CONSTRUCTION

DIRECTORY
IRRIGATION SCHEDULE
IRRIGATION NOTES
IRRIGATION PLANS
IRRIGATION DETAILS

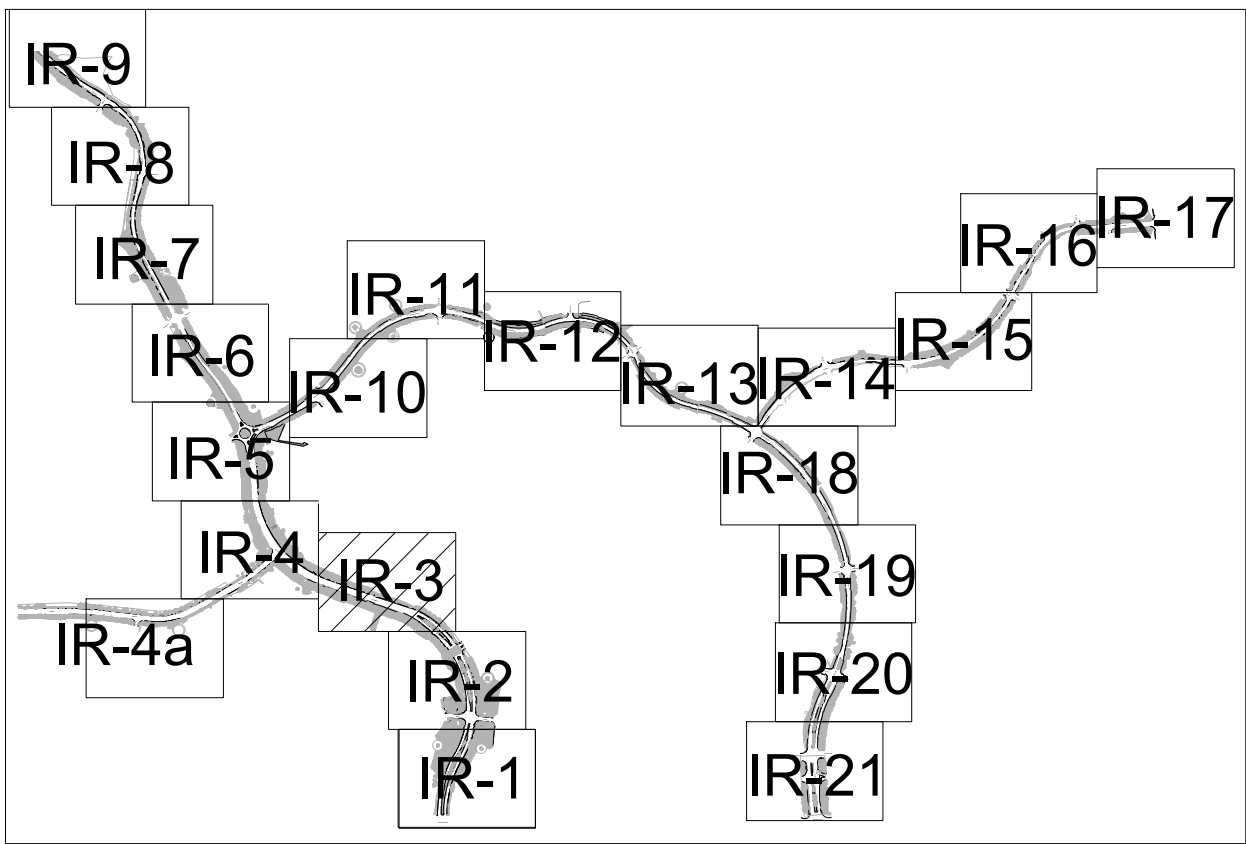
IR-0
IR-0
IR-1 - IR-21
IR-22 - IR-24

REVIEW
NOT FOR
CONSTRUCTION

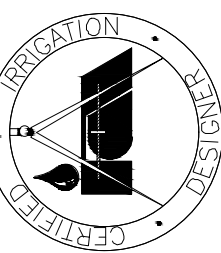


NOTE: CONTRACTOR SHALL REMOVE
AND RETURN EXISTING CONTROLLERS,
VALVES AND HEADS TO OWNER.
ABANDON EXISTING MAINLINE IN PLACE.

- 2 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW MAINLINE AND 2-WIRE CABLE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 3 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW LATERAL LINE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 4 NEW SLEEVING NOTE: BORE ONLY EXISTING ROADWAYS.



KEYMAP
N.T.S.



IRRIGATION DESIGN
AND CONSULTING

Vista Ridge
ERIE COLORADO

REVISION:	DATE
BY	

ISSUE DATE:
02/23/2024
DRAWN BY: JK
CHECKED BY: TB

SHEET DESCRIPTION:
IRRIGATION
PLAN

IR-3

KDI
HydroSystems
Irrigation Consulting & Water Management
13949 W. Colfax Ave, Suite 260
Lakewood, Colorado 80401
o: 303.980.5327
www.hydrosystemsksi.com

811
Know what's below.
Call before you dig.
CALL 1-800-4-A-DIG OR VISIT
WWW.CALLBEFOREYODIG.COM
FOR MORE INFORMATION.

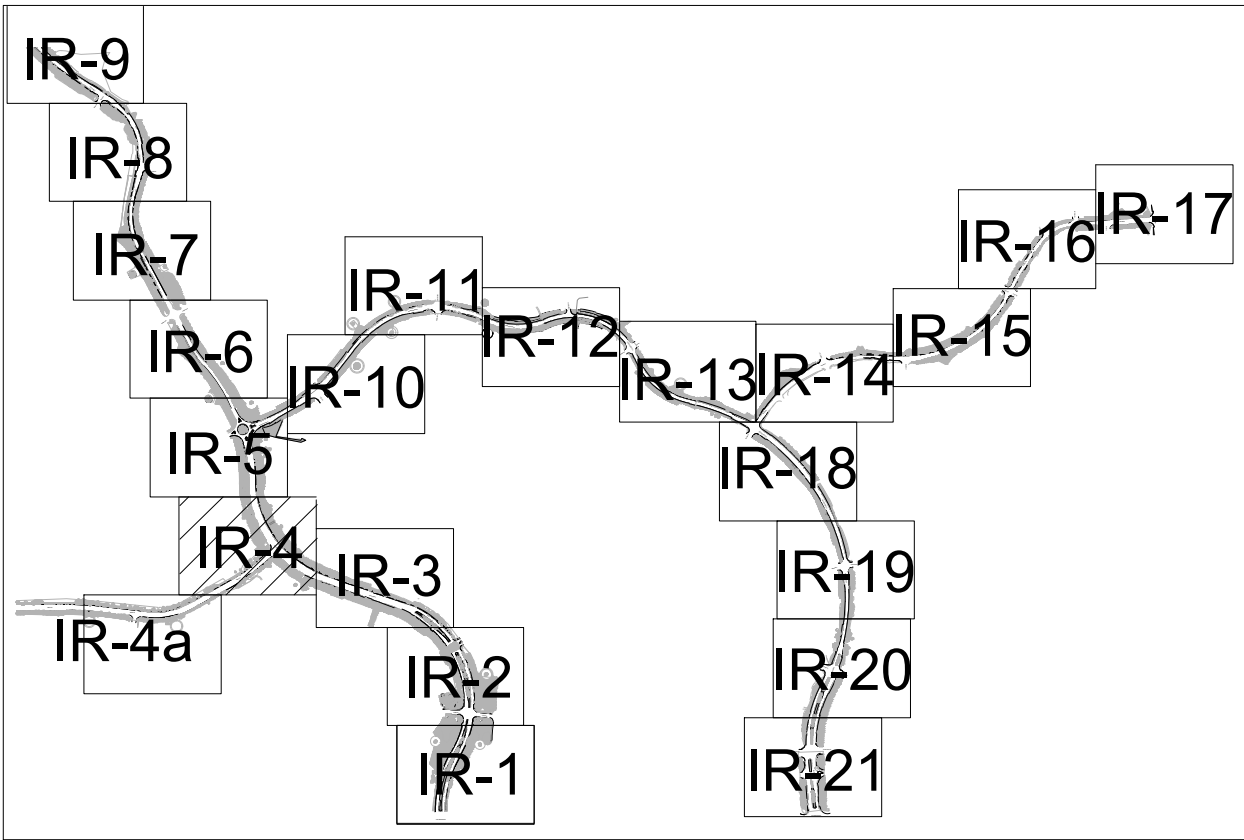
DIRECTORY
IRRIGATION SCHEDULE
IRRIGATION NOTES
IRRIGATION PLANS
IRRIGATION DETAILS

IR-0
IR-0
IR-1 - IR-21
IR-22 - IR-24

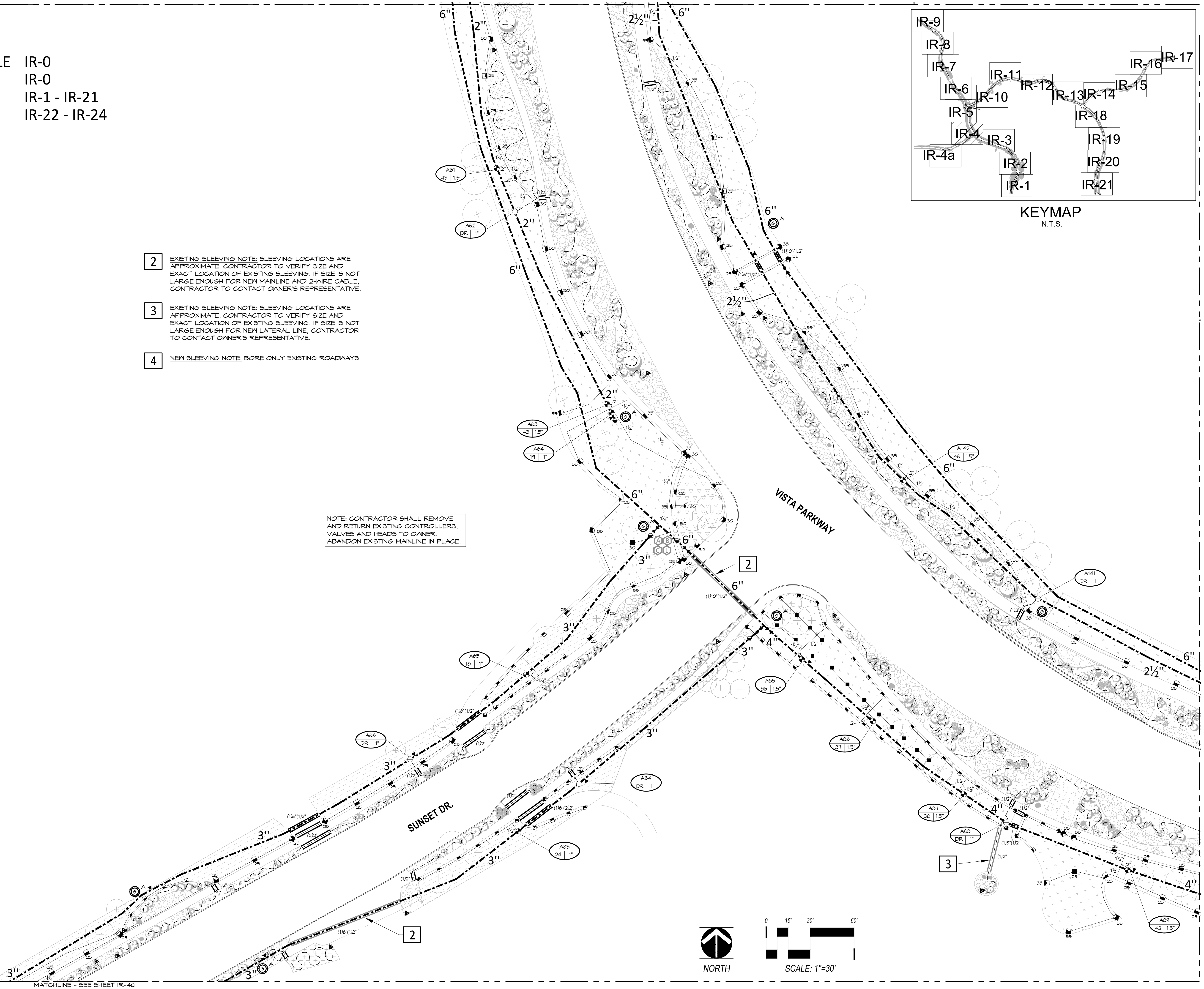
- 2 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW MAINLINE AND 2-WIRE CABLE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 3 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW LATERAL LINE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 4 NEW SLEEVING NOTE: BORE ONLY EXISTING ROADWAYS.

NOTE: CONTRACTOR SHALL REMOVE AND RETURN EXISTING CONTROLLERS, VALVES AND HEADS TO OWNER. ABANDON EXISTING MAINLINE IN PLACE.

MATCHLINE - SEE SHEET IR-5



KEYMAP
N.T.S.



MATCHLINE - SEE SHEET IR-4a

MATCHLINE - SEE SHEET IR-3

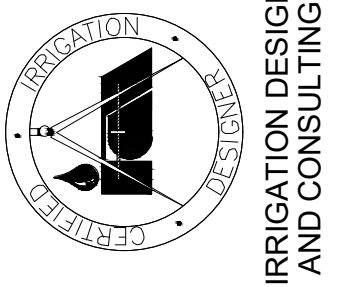
REVIEW
NOT FOR
CONSTRUCTION

REVISION	DATE	DESCRIPTION
BY		

ISSUE DATE:
02/23/2024
DRAWN BY: JK
CHECKED BY: TB

SHEET DESCRIPTION:
IRRIGATION
PLAN

IR-4



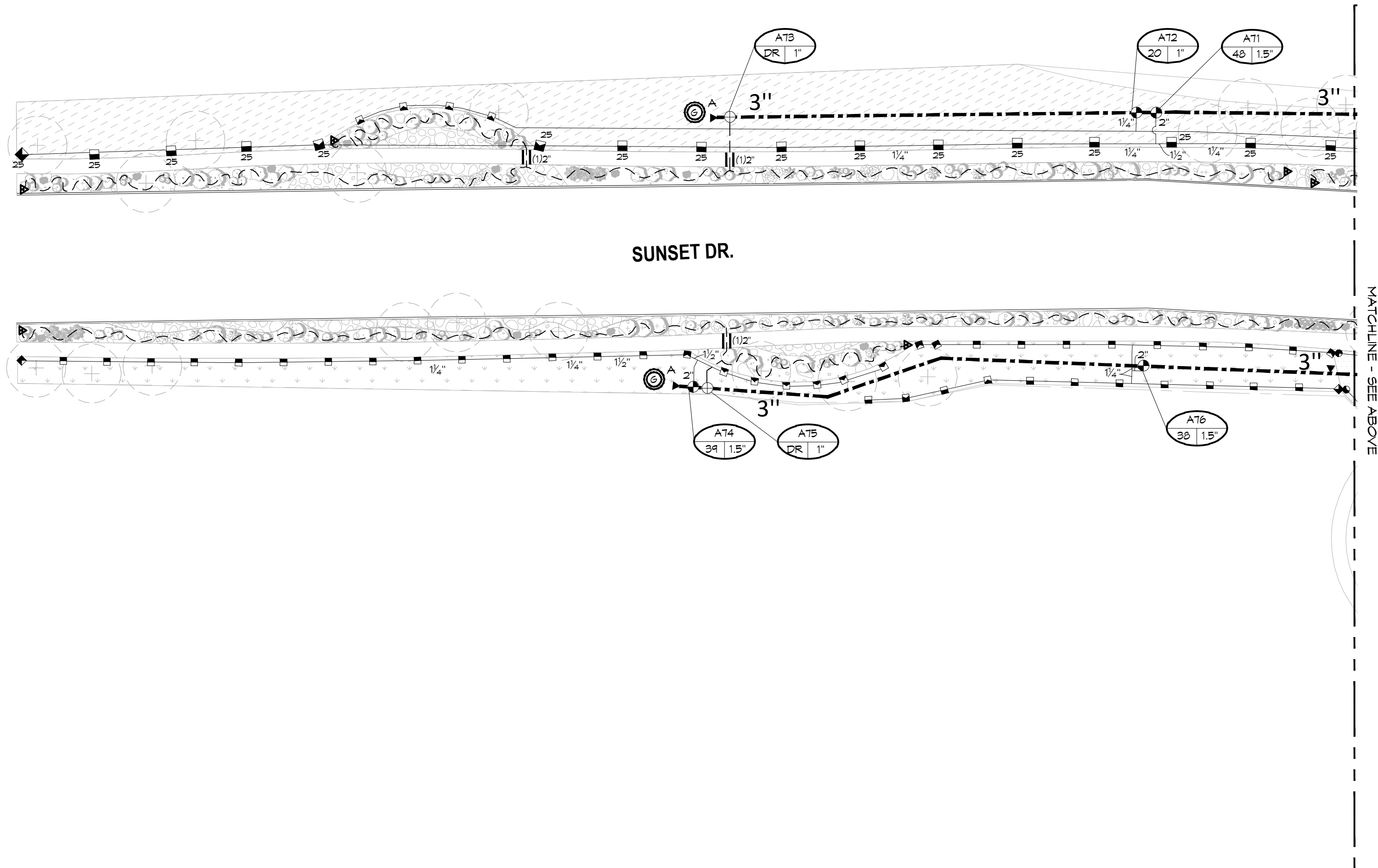
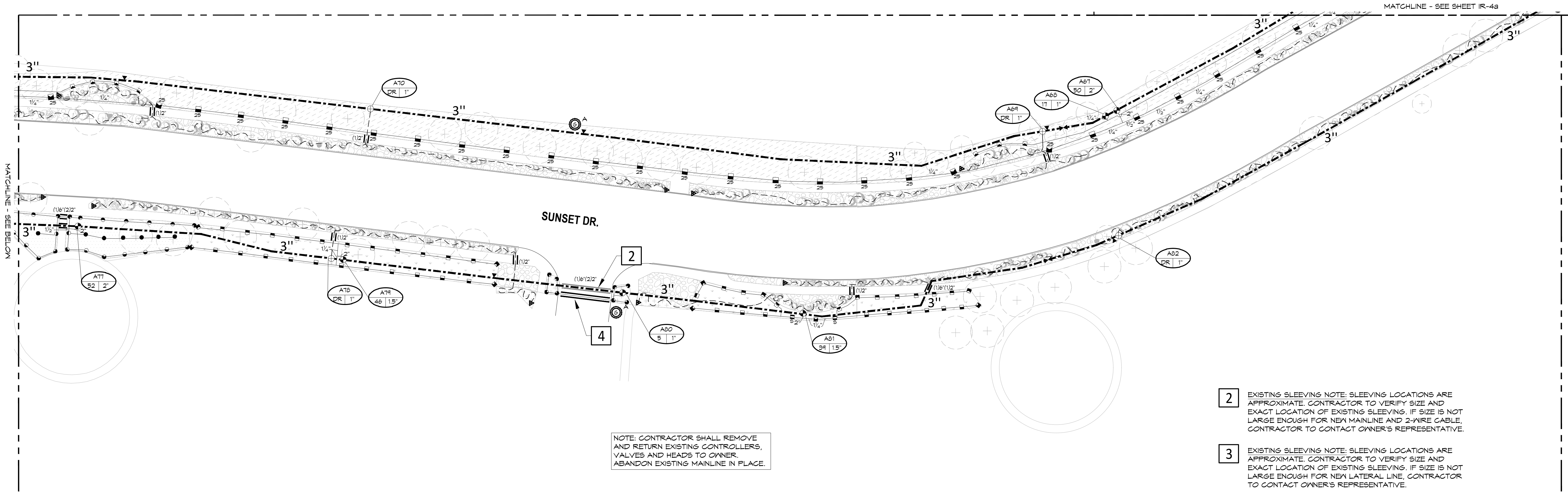
Vista Ridge
ERIE COLORADO



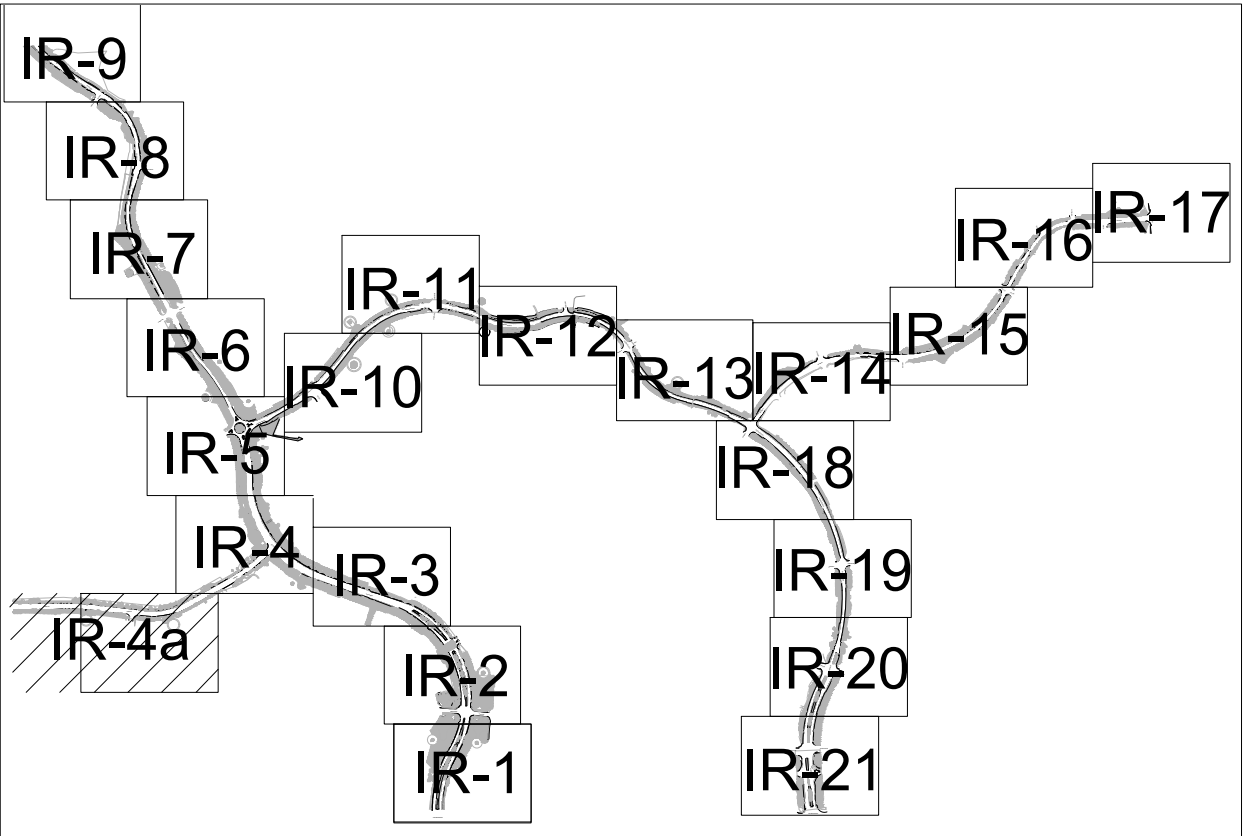
Hydro Systems
Irrigation Consulting & Water Management
13949 W. Colfax Ave, Suite 260
Lakewood, Colorado 80401
o: 303.980.5327
www.hydrosystemsksd.com



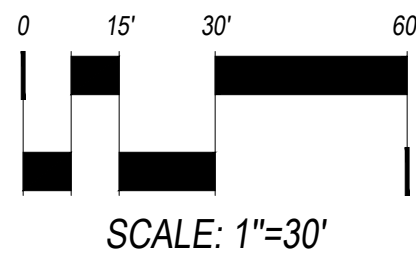
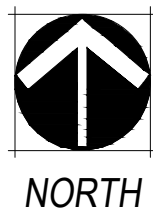
Know what's below.
Call before you dig.
Call 1-800-485-5111 or visit 811.org
Call your local one call center for more information.



- 2 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW MAINLINE AND 2-WIRE CABLE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 3 EXISTING SLEEVING NOTE: SLEEVING LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE AND EXACT LOCATION OF EXISTING SLEEVING. IF SIZE IS NOT LARGE ENOUGH FOR NEW LATERAL LINE, CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE.
- 4 NEW SLEEVING NOTE: BORE ONLY EXISTING ROADWAYS.



KEYMAP
N.T.S.



REVIEW
NOT FOR
CONSTRUCTION

DIRECTORY	
IRRIGATION SCHEDULE	IR-0
IRRIGATION NOTES	IR-0
IRRIGATION PLANS	IR-1 - IR-21
IRRIGATION DETAILS	IR-22 - IR-24

Vista Ridge
ERIE COLORADO

REVISION BY	DATE	DESCRIPTION

ISSUE DATE:
02/23/2024
DRAWN BY: JK
CHECKED BY: TB

SHEET DESCRIPTION:

IRRIGATION
PLAN

IR-4a

