

GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN

PARKING LOT SHADING

PER EDC COMMUNITY DESIGN STANDARDS, 12/15/2015

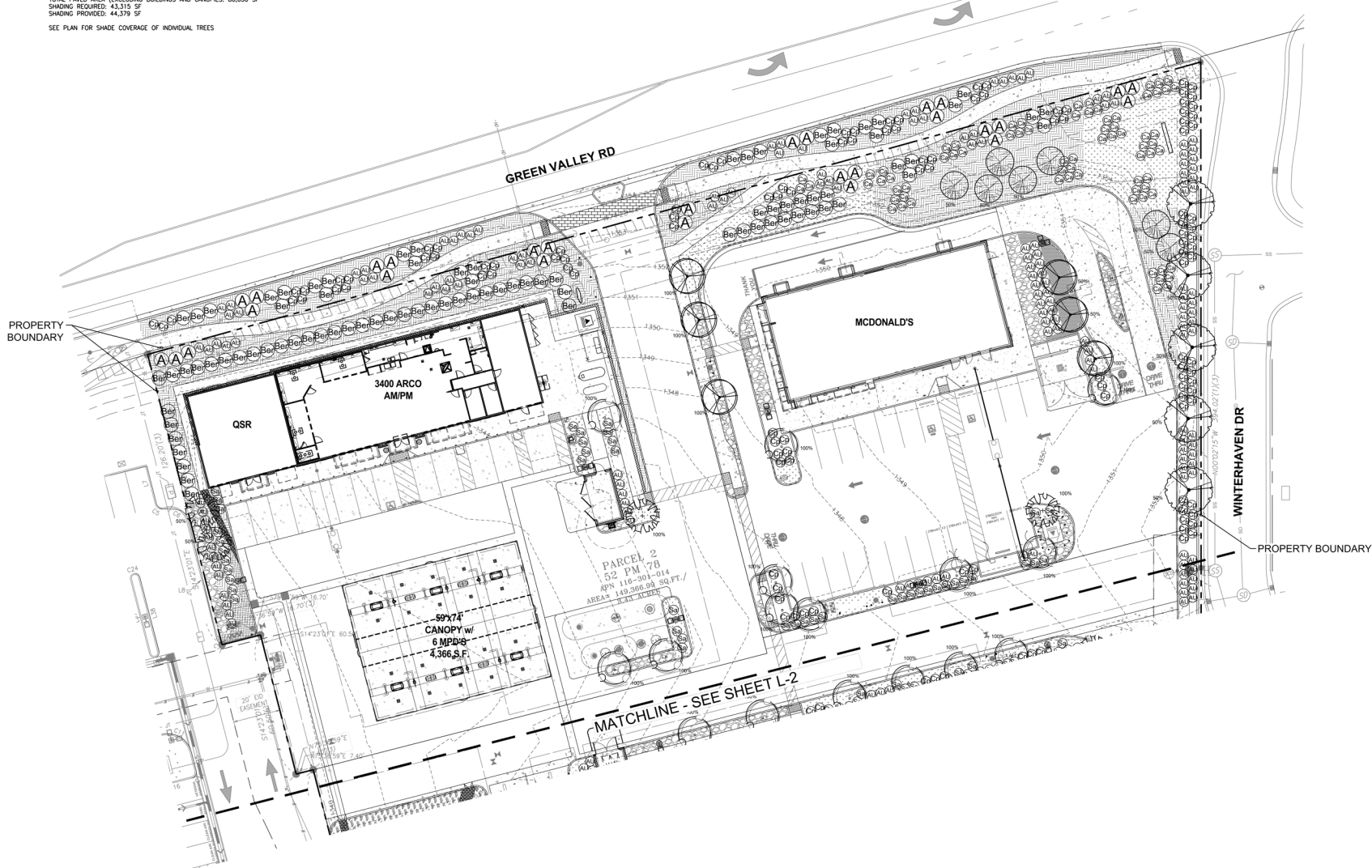
1.6.C.1: LANDSCAPING SHALL BE PROVIDED IN PAVED PARKING LOTS OF FIVE SPACES OR MORE AND SHALL PROVIDE SHADE OVER 50 PERCENT OF ALL PAVED PARKING AREAS

TOTAL PAVED AREA (EXCLUDING BUILDINGS AND CANOPIES): 86,630 SF
SHADING REQUIRED: 43,315 SF
SHADING PROVIDED: 44,379 SF

SEE PLAN FOR SHADE COVERAGE OF INDIVIDUAL TREES

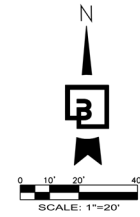
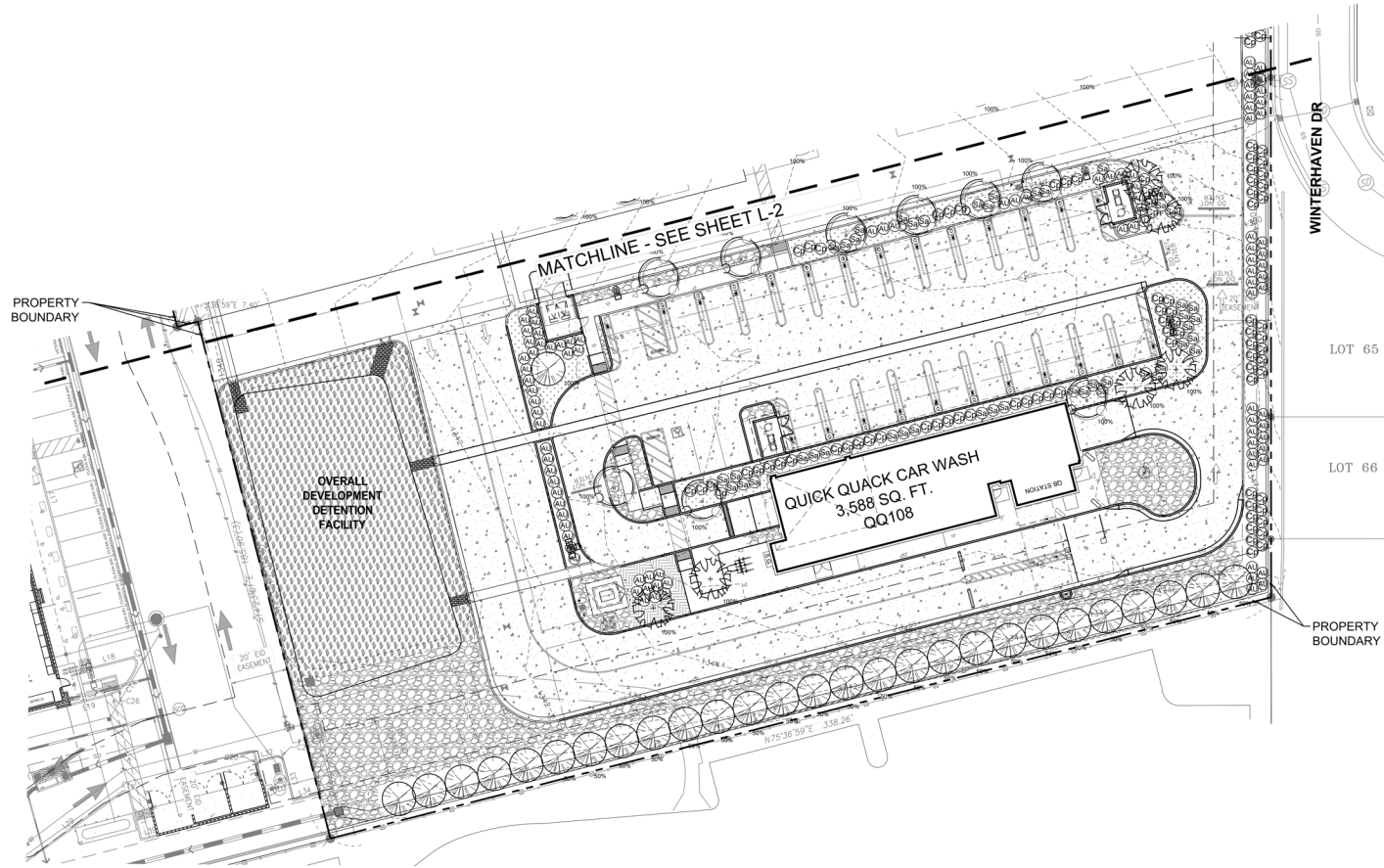
TOTAL LANDSCAPE AREA

45,637 SF



Revision	Title: LANDSCAPE PLAN NORTH	Scale: Horizontal 1"=20' Vertical N/A	Designed: JH/RE Drawn: JH/RE Checked: JH/RE Approved: JH/RE Date: 10/13/2024	Job Number: 22837
No.	Date	By	For: KHINDA PETROLEUM, INC. 3940 CAMBRIDGE ROAD CAMERON PARK, CALIFORNIA 95672	Sheet: 8
Cust.	Title: GREEN VALLEY COMMERCIAL CENTER 3060 GREEN VALLEY ROAD CAMERON PARK, CA 95672	State of California Seal	Barghausen Consulting Engineers, LLC 18215 77th Avenue South Kirkland, WA 98033 425.251.6222 barghausen.com	L1
Ingr.		Professional Engineer Seal		8
Date				10/13/2024
By				10/13/2024 4:08 PM TDR/RETS

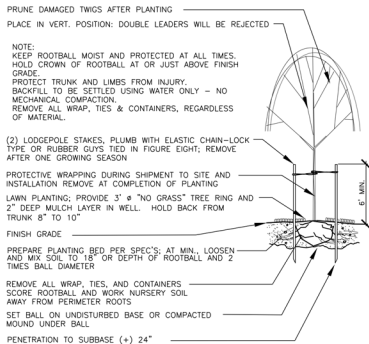
GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



Job Number 22837	Sheet L2 of 8	Job Number 22837	Title LANDSCAPE PLAN SOUTH GREEN VALLEY COMMERCIAL CENTER 3060 GREEN VALLEY ROAD CAMERON PARK, CA 95672	For KHANDA PETROLEUM, INC. 3940 CAMBRIDGE ROAD CAMERON PARK, CALIFORNIA 95672	Licensed Landscape Architect State of California License No. 10-11-2002 Date 10/13/20	Scale Horizontal 1"=20' Vertical N/A	Designer JH/RE Drawn JH/RE Checked JH/RE Approved JH/RE Date 10/13/20	Barghausen Consulting Engineers, LLC 18215 77th Avenue South Kent, WA 98032 425.251.6222 barghausen.com	Title LANDSCAPE PLAN SOUTH GREEN VALLEY COMMERCIAL CENTER 3060 GREEN VALLEY ROAD CAMERON PARK, CA 95672
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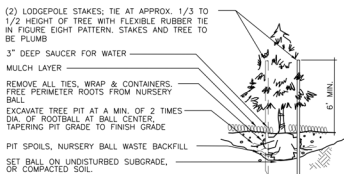
JOB Number 22837		Barghausen Consulting Engineers, LLC. 18215 Van Ness South Suite 200 Van Ness, CA 94240 415-251-6222 barghausen.com		For: KHINDA PETROLEUM, INC. 3940 CAMBRIDGE ROAD CAMERON PARK, CALIFORNIA 95672	TITLE: PLANT SCHEDULE AND LANDSCAPE NOTES GREEN VALLEY COMMERCIAL CENTER 3060 GREEN VALLEY ROAD CAMERON PARK, CA 95672				
					Designer: JYM Drawn: JYM Checked: N/A Approved: Vertical Date: 10/13/20	Scale: Horizontal: N/A Vertical: N/A	No. Date By Cmt. Appr. Revision		
L3 of 8									

GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



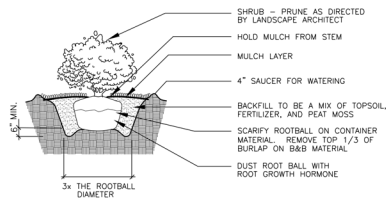
DECIDUOUS TREE PLANTING/STAKING DETAIL

NOT TO SCALE



EVERGREEN TREE PLANTING/STAKING DETAIL

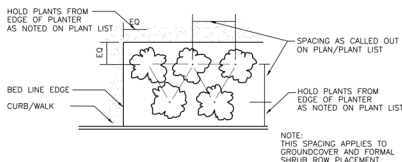
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NOTE:
APPLY ADDITIONAL 4 OZ. 8-32-16 FERTILIZER INTO TOP 2\"/>

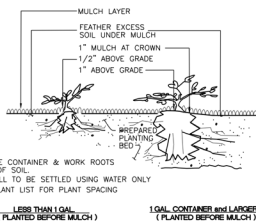
SHRUB PLANTING DETAIL

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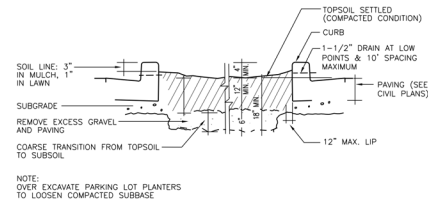
PLANT MATERIAL SPACING DETAIL

NOT TO SCALE



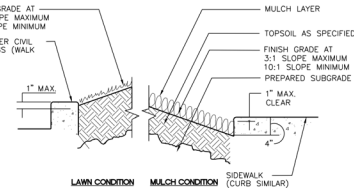
GROUNDCOVER PLANTING DETAIL

NOT TO SCALE



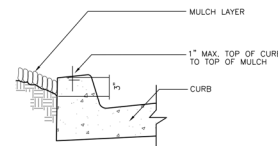
GRADING • PARKING LOT PLANTERS DETAIL

NOT TO SCALE



PLANTER SECTION DETAIL

NOT TO SCALE



MULCH AT CURB DETAIL

NOT TO SCALE

Revision

Drawn

By

Date

Check

Approved

Scale

Horizontal

Vertical

Scale

Horizontal

Vertical

Scale

Horizontal

Vertical

Scale

Horizontal

Vertical

Scale

Horizontal

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Vertical

Scale

LANDSCAPE DETAILS
GREEN VALLEY COMMERCIAL CENTER
3060 GREEN VALLEY ROAD
CAMERON PARK, CA 95672

For: KHINDA PETROLEUM, INC.
3940 CAMBRIDGE ROAD
CAMERON PARK, CALIFORNIA 95672



Scale: Horizontal N/A, Vertical N/A

Designed: JH/RE, Drawn: JH/RE, Checked: JH/RE, Approved: JH/RE, Date: 10/13/2021

Barghausen Consulting Engineers, LLC, 16216 77th Avenue South, #100, VALENTIA, VA 20186, 405-251-6222, barghausen.com

Job Number: 22837, Sheet: 8 of 8

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14,800 SQUARE FEET

IRRIGATION SCHEDULE

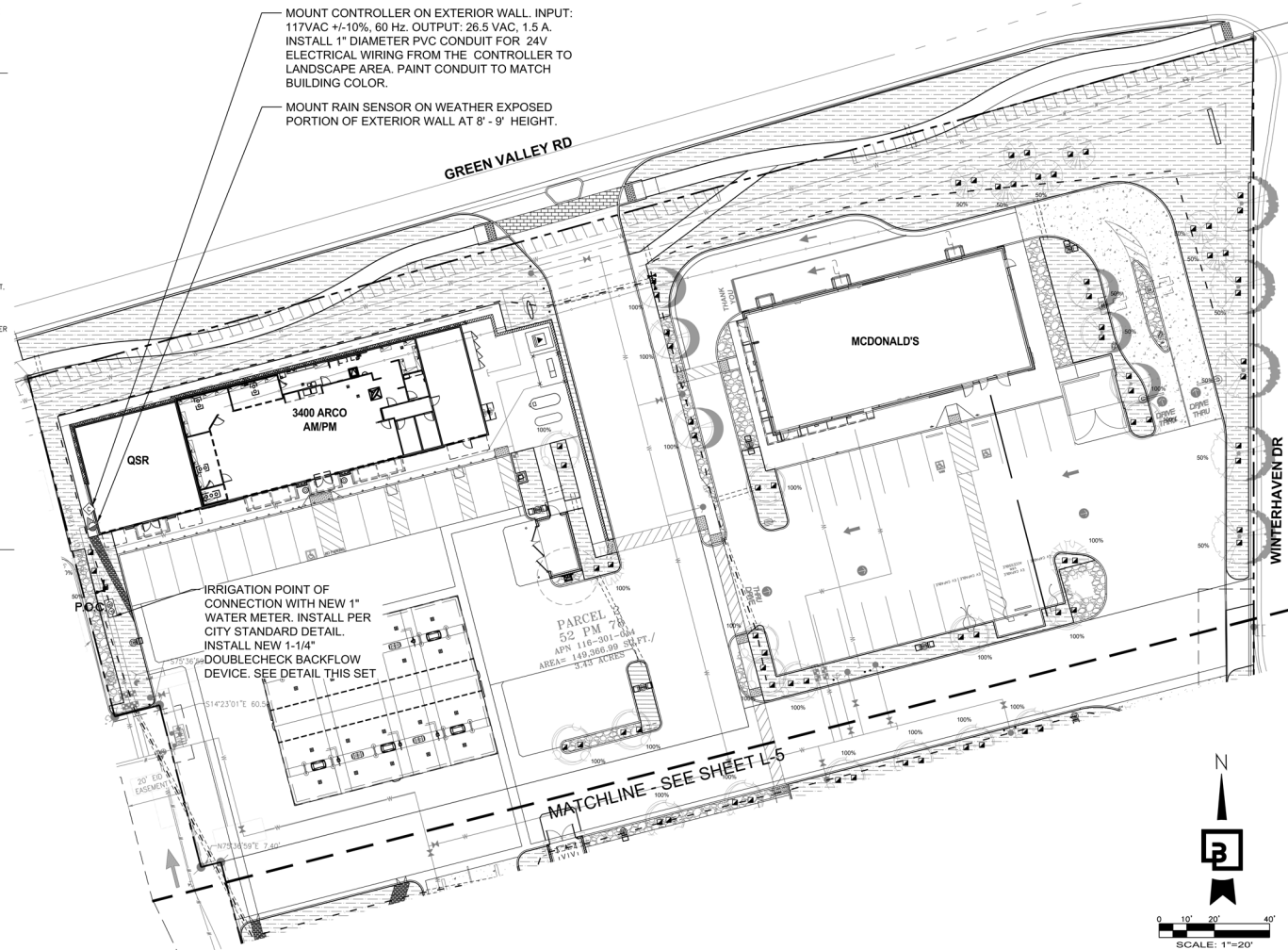
SYMBOL	DESCRIPTION	MIN. PSI	EMITTER SPACING GPM	EMITTER GPM
■	RANBIRD PWS-B-C-1402 36" ROOF-ZONE WATERING SYSTEM 2 EMITTERS PER TREE. SEE DETAIL THIS SETTING	20	AS SHOWN ON PLAN	.50
SYMBOL	DESCRIPTION	MIN. PSI	EMITTER SPACING GPM	EMITTER GPM
	RANBIRD XYS-CV-06-9 SUB-SURFACE DRIFLINE COMPONENTS: TO BE USED WITH RANBIRD XY DRIFLINE INSERT FITTINGS OR TWIST LOCK FITTINGS			
	XTS-CV SUB-SURFACE DRIP IRRIGATION FOR PLANTING AREAS WITH GROUNDCOVER, SHRUBS AND TREES. ABOVE NOTED DRIFLINE IS DESIGNED WITH 60 GPM EMITTERS SPACED AT 12 INCHES APART AND A ROW SPACING OF 18" ONCEES	20	12"	.60
	NOTE: XYS-CV HAS A CHECK VALVE INTEGRATED			
	INSTALL RANBIRD T63-100 2" BLANK DISTRIBUTION TUBING. INSTALL UNDER AREAS WITH ONLY ROCK MULCH			
NO SYMBOL	RANBIRD "OPERIND"	DRIP SYSTEM OPERATION/PRESSURE INDICATOR STAKES, PROVIDE FOR EACH ZONE		
NO SYMBOL	RANBIRD	SOIL STAPLES, AT 5 FEET ON CENTER		
NO SYMBOL	RANBIRD	DRIFLINE FLUSH VALVE: 1 PER IRRIGATION ZONE. LOCATE AT <u>LOWEST ELEVATION</u> WITHIN EACH ZONE. INSTALL IN 10" VALVE BOX		
SYMBOL	DESCRIPTION			
	VALVE FOR TREE BUBBLER IRRIGATION. RANBIRD XCZ-100-PRF 1" MEDIUM FLOW ELECTRIC REMOTE CONTROL VALVE. INSTALL IN CARSON TUB BACK COVERED FOR TREE, SHRUB, AND GROUND COVER VALVES			
	VALVES FOR DRIP IRRIGATION: RANBIRD XCZ-150-LCS 1.5" MEDIUM FLOW ELECTRIC REMOTE CONTROL VALVE (15-62 GPM), RANBIRD XCZ-100-PRF 1" MEDIUM FLOW ELECTRIC REMOTE CONTROL VALVE (3-15 GPM)			
	TYPICAL VALVE CALL-OUT			
				
	HUNTER: 1-CORE IRRIGATION CONTROLLER. (HARDWIRE CONNECTION TO PIGTAIL); METAL LOCKABLE CABINET MODEL. MOUNT TO EXTERIOR TRASH ENCLOSURE WALL. COORDINATE LOCATION WITH DMMX-2 AND C.C. HARDWARE CONNECTION. PROVIDE GROUND AND BATTERIES PER MFR. SPECS. SEE DETAIL THIS SET			
	HUNTER RAIN SENSOR, MOUNT TO EXTERIOR OF BUILDING. WIRE DIRECTLY TO CONTROLLER. COORDINATE LOCATION WITH C.C. AND OWNER			
	RANBIRD EFB-C-2P 2" MASTER VALVE (NORMALLY CLOSED) AND FS100B 1" FLOW SENSOR. SEE DETAIL THIS SET. WIRE FLOW SENSOR BACK TO CONTROLLER WITH PE-39 DATA CABLE. ON CONTROLLER, SET UP MASTER VALVE WATER-ENTERING DURING DAYTIME HOURS SO MANUAL IS PRESSURIZED FOR USE OF QUICK COUPLERS			
	RANBIRD 14-RC 1" QUICK-COUPLER, WITH LOCKING RUBBER COVER, 2-PIECE BODY. PROVIDE KEYS TO OPEN BALL VALVE. NIPPS TO TFN-600S FULL PORT BALLS OR KBI SCH 80 CVI TRUE UNION TYPE			
	IRRIGATION POINT OF CONNECTION NEW 1" WATER METER AND NEW 1-1/4" BACKFLOW PREVENTION DEVICE			
- - -	MANLINE - SCH 40 PVC (18" COVER); 1"-1/2" SIZE MINIMUM			
- - -	LATERAL - SCH 40 PVC (12" COVER); SIZE PER TABLE, 3/4" SIZE MINIMUM			

TYPE OF PIPE	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	
SCHEDULE 40 PVC: MAINLINE AND LATERALS	8	12	22	30	50	75	FLOW GPM

GENERAL IRRIGATION NOTES:

- IRIGATION DESIGN SHOWN DIAGNOMATICALLY FOR PLAN CLARITY.
- A DIAGRAM OF THE IRRIGATION PLAN SHOWING HORIZONTALS SHALL BE KEPT WITH THE IRRIGATION CONTRACTOR'S RECORDS.
- A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND SIGNED BY EITHER THE DESIGNER OF THE IRRIGATION OR THE CONTRACTOR.
- AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION IF APPLICABLE.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, EXCESSIVE PRESSURING OF THE SPECIFIED IRRIGATION DEVICES.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SPRINKLER HEADS, WHERE LOW POINT DRAINAGE COULD OCCUR.
- ALL IRRIGATION DEVICES SHALL BE INSTALLED FOUR (4) INCHES BELOW FINISH GRADE. CONTRACTOR TO RUN EACH ZONE BEFORE COVERING TRENCH, TO VERIFY THAT THERE ARE NO CONNECTION LEAKS. TREES TO BE PROTECTED BY THE IRRIGATION CONTRACTOR. PROVIDE ADDITIONAL INFORMATION.
- USE COMMON TREX METHOD; LOCATING EQUIPMENT WITHIN THE LANDSCAPE.
- PLACE MANHOLE GUARD VALVES IN PLACED SHRUB BEDS AND ALIGN WITH PAVED SURFACES OR DRIVEWAYS.
- ANY WORK AND/OR IRRIGATION LINES ADJACENT WITHIN ANY TREE PROTECTION ZONES ESTABLISHED FOR EXISTING TREES SHALL BE INSTALLED AND MAINTAINED WITHIN THE TREE PROTECTION ZONES.
- SUCH AS BY CUTTING ROOTS, DIGGING TRENCHES, OPERATION OF MACHINERY.
- SPECIAL CARE MUST BE TAKEN (HAND DIGGING TRENCHES, DESIGNING LINES TO STAY OUT OF AREAS WHERE POSSIBLE, ETC.) TO PROTECT EXISTING TREES DOES NOT OCCUR.
- IN THE EVENT DAMAGE TO THE TREES IN THESE AREAS, THE CITY MAY, AT ITS DISCRETION, REPLACEMENT OF THE COMPARABLE LANDSCAPE TO THE TREES DAMAGED OR REPAIR TO MAKE THEM LOOK LIKE THEY WERE NEVER DAMAGED.

GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



Title: IRRADIATION OF ANI-NORTH

GREEN VALLEY COMMERCIAL CENTER
3060 GREEN VALLEY ROAD
CAMERON PARK, CA 95672

For: **KHINDA PETROLEUM, INC.**
3940 CAMBRIDGE ROAD
CAMERON PARK, CALIFORNIA 95672



Scale: Horizontal
1"=20'
Vertical
N/A

Designed _____ JMV
 Drawn _____ JN/TR
 Checked _____ JMV
 Approved _____ JMV
 Date 10/13/25

**Barghausen
Consulting Engineers, LLC.**
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

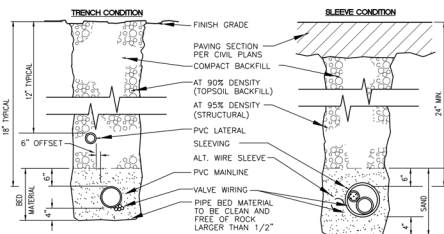
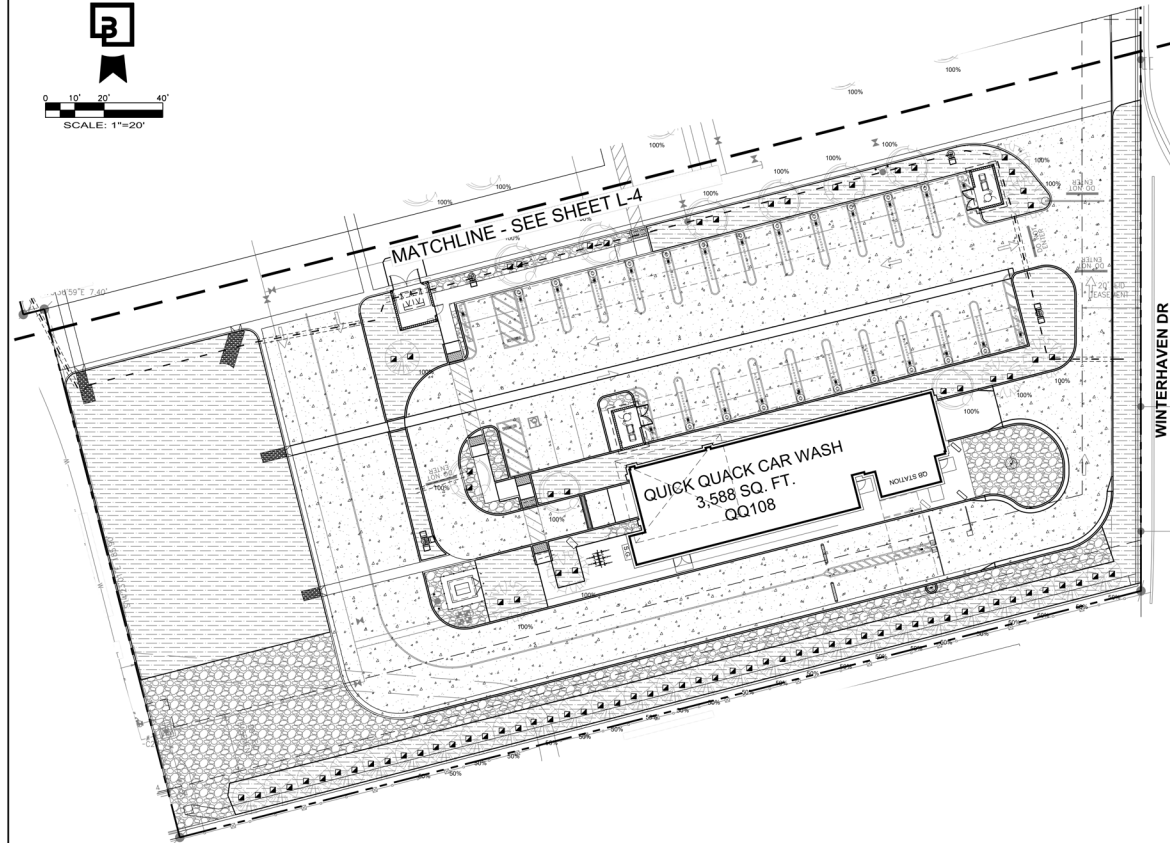
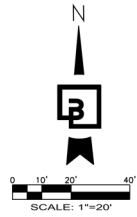


Job Number
22837

Sheet
15 of **8**

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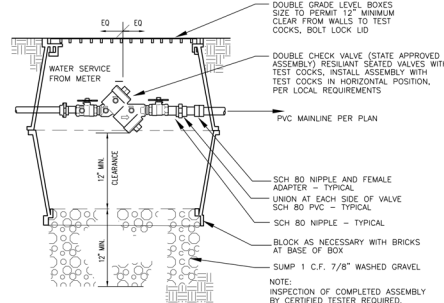
GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



NOTE: SLEEVING MATERIAL SHALL BE PVC SCH. 40, DIMENSIONS ARE MIN. CLEARANCES. ALL IRRIGATION SLEEVING TRENCH BACKFILL MATERIAL SHALL BE CLASS "B" OR BETTER (MAX. OF 10% PASSING NO.40 SCREEN) AND BE COMPACTED TO MIN. 95% OPTIMUM DENSITY PER ASTM D-1557-70 (MODIFIED PROCTOR)

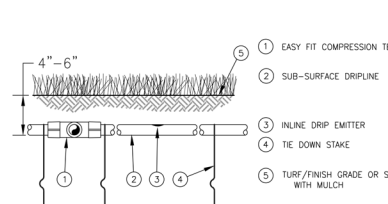
SLEEVE/TRENCHING DETAIL

NOT TO SCALE



CHECK VALVE ASSEMBLY DETAIL

NOT TO SCALE



NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

DRIPLINE BURIAL

NOT TO SCALE

LANDSCAPE IRRIGATION NOTES

- GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE:
 - INSTALLATION OF 110V ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO AUTOMATIC CONTROLLER, INCLUDING WIRE HOOK-UP INTO MOUNTED CONTROLLER. IRRIGATION CONTRACTOR WILL MOUNT CONTROLLER PER DESIGN AND COORDINATE WITH GENERAL CONTRACTOR.
 - INSTALLATION OF IRRIGATION/SERVICE METER AND STUB TO IRRIGATION POINT OF CONNECTION, PER UTILITY PLANS.
 - PROVIDE STANDARD THREADED STUB-OUT WITH THREADED CAP ON DISCHARGE SIDE OF METER. STUB-OUT TO BE INSTALLED APPROXIMATELY 18 INCHES BELOW FINISH GRADE.
 - VERIFICATION OF STATIC WATER PRESSURE AT POINT-OF-CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY OWNER AND BARGHAUSEN CONSULTING ENGINEERS, INC., OF ANY VARIATION IN STATIC PRESSURE OVER 5 PSI GREATER/LESS THAN DESIGN PRESSURE.
 - INSTALLATION OF SLEEVING.
- PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS AND/OR NOTES. PROVIDE A ONE (1) YEAR WARRANTY/GUARANTEE FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT, AND WORKMANSHIP.
- COORDINATE IRRIGATION INSTALLATION WITH GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LANDSCAPE CONTRACTOR, OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.
- LANDSCAPE CONTRACTOR TO TEST AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK. PROVIDE LANDSCAPE ARCHITECT WITH WRITTEN PSI RESULTS.
- ALL WORK PER LOCAL CODE. INSTALLATION PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
- CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, FEES, AND REQUIRED CITY INSPECTIONS.
- SUBMITTALS:
 - SUBMIT EACH ITEM LISTED BELOW FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL.
 - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
 - CONTROL WIRING PATH DIAGRAM.
 - "AS-BUILT" DRAWINGS.
 - OPERATION AND MAINTENANCE MANUALS.
- PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH ARE TO BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS AND NOTES, AND EXACT "AS-BUILT" LOCATIONS, SIZES AND KIND OF EQUIPMENT. THIS SET OF DRAWINGS ARE TO BE KEPT ON SITE AND ARE TO BE USED ONLY AS THE RECORD SET. ALL WORK IS TO BE NEAT AND LEGIBLE ANNOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING WORK AS ACTUALLY INSTALLED.
 - PERMANENT POINTS OF REFERENCE, BUILDING CORNERS, WALKS, OR ROAD INTERSECTIONS, ETC., THE LOCATION OF THE FOLLOWING:
 - CONNECTION TO WATER LINES (P.O.C.).
 - CONNECTIONS TO ELECTRICAL POWER.
 - GATE VALVE, QUICK COUPLERS, AND REMOTE CONTROL VALVE.
 - ROUTING OF MAINLINE (DIMENSION MAXIMUM 100' ALONG ROUTING).
 - ROUTING OF CONTROL WIRING.
 - OTHER RELATED EQUIPMENT AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- PREPARE AND PROVIDE PRIOR TO COMPLETION OF CONSTRUCTION, A THREE RING BINDER CONTAINING THE FOLLOWING INFORMATION:
 - INDEX SHEET STATING CONTRACTOR'S ADDRESS, TELEPHONE NUMBER, FAX, E-MAIL AND A LIST OF EQUIPMENT WITH NAME AND ADDRESS OF LOCAL MANUFACTURER'S REPRESENTATIVES.
 - CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS CONTRACT.
 - GUARANTEE STATEMENT.
 - COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.
 - CONSTRUCTION DETAILS FROM THE PROJECT.
 - COMPLETE TROUBLE-SHOOTING GUIDE TO COMMON IRRIGATION PROBLEMS.
 - WINTERIZATION AND SPRING START-UP PROCEDURES.
 - CHART OF APPROXIMATE WATERING TIMES FOR SPRING, SUMMER, AND FALL.
 - A COPY OF THE "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
- ALL VALVES TO BE PLACED IN "CARPSON" GRADE LEVEL BOXES WITH BOLT-LOCK LIDS (OR APPROVED EQUIVALENT). SET BOXES 3 INCHES HIGHER THAN FINISH GRADE IN MULCH AREAS AND FLUSH WITH FINISH GRADE IN LAWN AREAS. JUMBO BOX FOR CHECK VALVE, 10" ROUND BOX FOR GATE/QUICK COUPLER/WIRE SPLICES, AND 12" STANDARD FOR CONTROL VALVES. PROVIDE BOX EXTENDING AS REQUIRED.
- MAINLINE PIPE TO BE BURIED 18 INCHES, LATERALS 12 INCHES, AND SLEEVES 24" INCHES BELOW FINISH GRADE. NO ROCK OR DEBRIS TO BE BACKFILLED OVER PIPE.
- HEAD AND LINE POSITIONING IS DIAGNOSTIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR 100 PERCENT COVERAGE. VALVES TO BE POSITIONED ADJACENT TO PAVEMENT/CURBS, IN SHRUB BEDS WHERE POSSIBLE.
- FAMILIARIZE OWNERS FACILITY OPERATOR WITH IRRIGATION SYSTEM FUNCTION, CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS.
- SPRINKLERS ON RISERS WILL NOT BE ALLOWED UNLESS NOTED ON PLANS.
- RADIUS REDUCTION TO BE MADE BY USE OF PRESSURE ADJUSTMENT, SCREENS, AND/OR ALTERNATE NOZZLES. IN-NOZZLE ADJUSTMENT IS LIMITED TO 10 PERCENT FOR SPRAY HEADS AND PER MANUFACTURER'S LIMITS FOR OTHER SPRINKLERS. SPRINKLER SPACING NOT EXCEED 60% OF THE DIAMETER OF THE PUBLISHED DATA.
- ALL CONTROL WIRE SPLICES TO BE MADE AT VALVE BOXES WITH WATER TIGHT ELECTRICAL SPLICES. 3M, SCOTT'S LOCK SEAL, JACK 3576-78, OR EQUIVALENT.
- EACH VALVE BOX TO CONTAIN A MINIMUM OF TWO (2) SPARE ORANGE CONTROL WIRES FOR JACKETED WIRE. ROUTE SPARE WIRES FROM THE CONTROLLER TO THE LAST VALVE OF EACH MAINLINE BRANCH. COMMON WIRE TO BE WHITE. SINGLE STRAND WIRE TO BE A MINIMUM OF 14 GAUGE.
- ALL ELECTRICAL EQUIPMENT TO BE U.L. TESTED AND APPROVED, AND BEAR THE U.L. LABEL.
- CROSS CONNECTION PROTECTION INSPECTION REQUIRED. THE BACKFLOW DEVICE TO BE TESTED UPON THE ORIGINAL INSTALLATION. THE TESTING TO BE PERFORMED BY A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW PREVENTER. THE TEST REPORT IS TO BE SUBMITTED TO THE LOCAL WATER DISTRICT, OR PURVEYOR, AND OWNER WITH A COPY TO BARGHAUSEN CONSULTING ENGINEERS, INC. CONTRACTOR TO INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INITIAL INSPECTION.
- CONTRACTOR TO PROVIDE SYSTEM WINTERIZATION/SPRING SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION, OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL.

Revision
No. Date By
Title: IRRIGATION PLAN SOUTH
GREEN VALLEY COMMERCIAL CENTER
3060 GREEN VALLEY ROAD
CAMERON PARK, CA 95672

For: KINHDA PETROLEUM, INC.
3940 CAMBRIDGE ROAD
CAMERON PARK, CALIFORNIA 95672



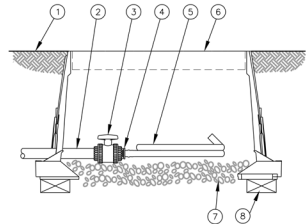
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Designed: JAV/RE
Drawn: JAV
Checked: JAV
Approved: JAV
Date: 10/13/2025

Barghausen Consulting Engineers, LLC
3025 77th Avenue South
KYLE, VA 98052
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barghausen.com

Job Number: 22837
Sheet: L6 of 8

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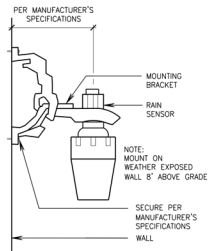
GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



- 1 FINISH GRADE
- 2 PVC DRIP MANIFOLD PIPE
- 3 PVC 1" X 3/4" TRUE UNION BALL VALVE
- 4 EASY FIT MALE X BARB ADAPTER
- 5 SUB-SURFACE DRIPLINE
- 6 12-INCH VALVE BOX WITH COVER
- 7 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 8 BRICK (1 OF 2)

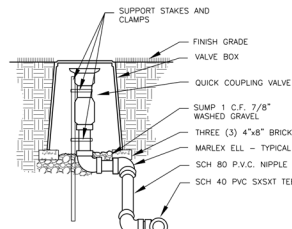
FLUSH POINT WITH BALL VALVE

NOT TO SCALE



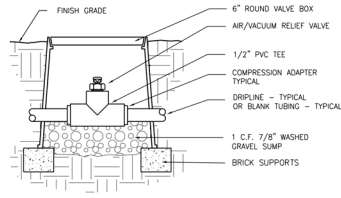
RAIN SENSOR DETAIL

NOT TO SCALE



QUICK COUPLING VALVE DETAIL

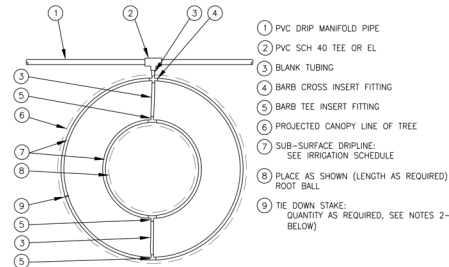
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NOTE:
AIR/VACUUM RELIEF VALVE CANNOT BE CONNECTED LOWER THAN DRIPLINE LATERALS.
FOR USE ON ZONES OF 7 GPM OR LESS ONLY (PLUMBED TO TUBING).

1/2" AIR/VACUUM RELIEF VALVE DETAIL

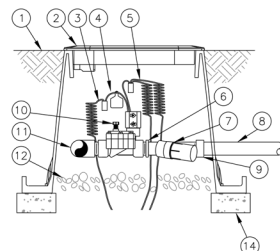
NOT TO SCALE



- 1 PVC DRIP MANIFOLD PIPE
- 2 PVC SCH 40 TEE OR EL
- 3 BLANK TUBING
- 4 BARB CROSS INSERT FITTING
- 5 BARB TEE INSERT FITTING
- 6 PROJECTED CANOPY LINE OF TREE
- 7 SUB-SURFACE DRIPLINE: SEE IRRIGATION SCHEDULE
- 8 PLACE AS SHOWN (LENGTH AS REQUIRED) ROOT BALL
- 9 TIE DOWN STAKE: QUANTITY AS REQUIRED, SEE NOTES 2-3 (BELOW)

DRIPLINE AROUND TREE

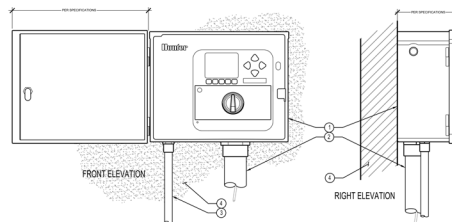
NOT TO SCALE



SIDE VIEW

DRIPIRIGATION VALVE

NOT TO SCALE

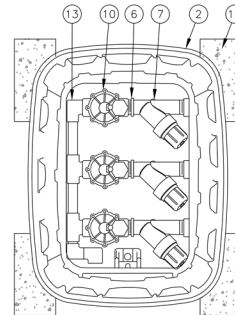


IRRIGATION CONTROLLER, WALL MOUNT

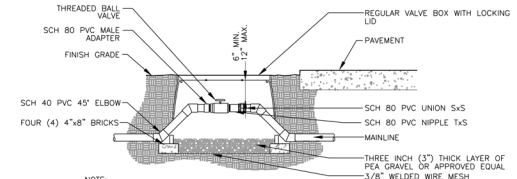
NOT TO SCALE

- LEGEND:
- 1 IRRIGATION CONTROLLER (ACU) PER PLAN
 - 2 IRRIGATION CONTROL WIRE IN CONDUIT SIZE AND TYPE PER LOCAL CODES
 - 3 ELECTRICAL SUPPLY CONDUIT CONNECT TO POWER SOURCE AND IN-WIRE CONTROLLER
 - 4 ADJACENT SURFACE TO MOUNT CONTROLLER PER PLAN

NOTE:
MOUNT CONTROLLER (LSD SCREEN) AT THE LEVEL CONTROLLER SHALL BE HARDWIRED TO GROUND (110 VAC POWER SOURCE)



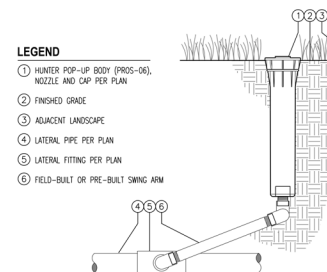
TOP VIEW



1. LOCATE VALVE BOXES IN PLANTING AREAS.
2. WRAP VALVE BOX WITH A MINIMUM OF 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.
3. ALL THREADED CONNECTIONS TO BE MADE USING TEFLON TAPE.
4. ALL CHANGES IN ELEVATION SHALL BE MADE USING SCH 40 PVC 45° ELBOWS.

BALL VALVE DETAIL

NOT TO SCALE



POP UP TREE BUBBLER

NOT TO SCALE

IRRIGATION DETAILS

GREEN VALLEY COMMERCIAL CENTER
3060 GREEN VALLEY ROAD
CAMERON PARK, CA 95672

For: KHINDA PETROLEUM, INC.
3940 CAMBRIDGE ROAD
CAMERON PARK, CALIFORNIA 95672



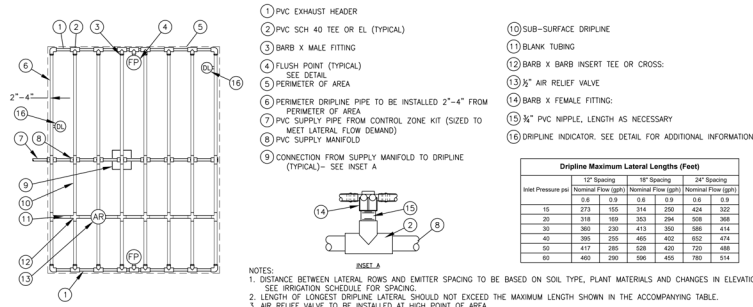
Scale: Horizontal N/A, Vertical N/A
Designed: JH/RE, Drawn: JH/RE, Checked: JH/RE, Approved: JH/RE, Date: 10/13/25

Barghausen Consulting Engineers, LLC
18225 77th Avenue South
Kirkland, WA 98033
425.251.6222
barghausen.com

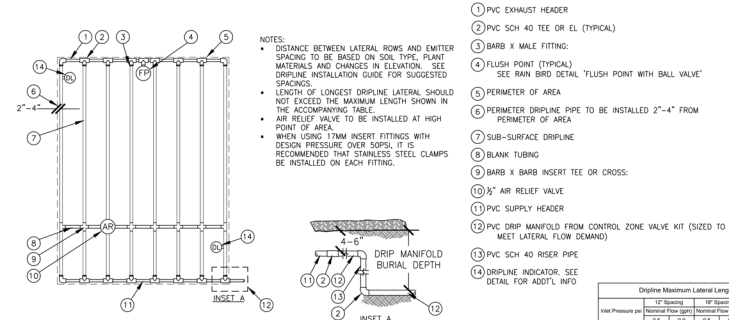


Job Number: 22837, Sheet: 8 of 8

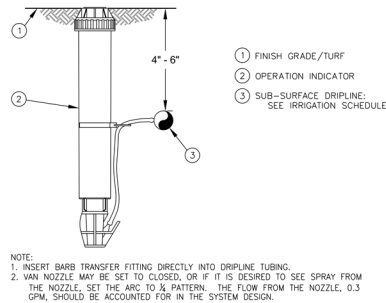
GREEN VALLEY COMMERCIAL PRELIMINARY LANDSCAPE PLAN



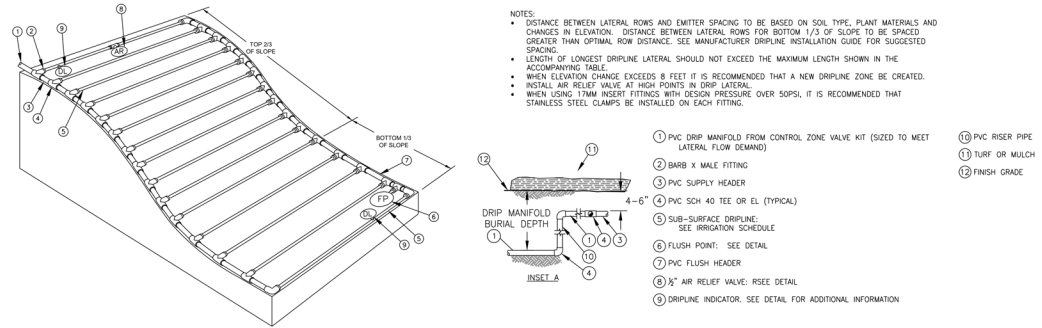
DRIFLINE CENTER FEED LAYOUT
NOT TO SCALE



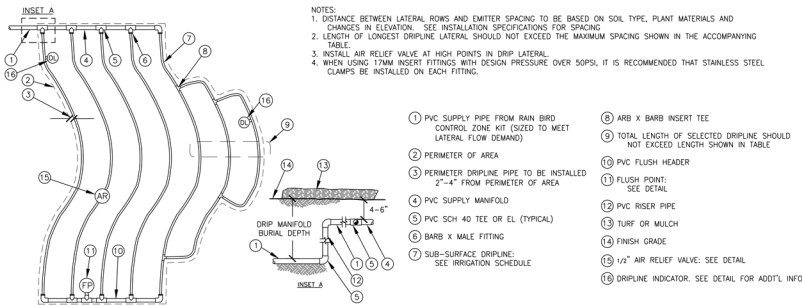
DRIFLINE END FEED LAYOUT
NOT TO SCALE



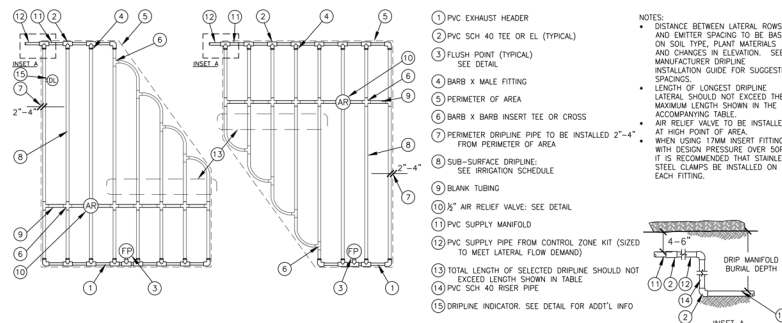
DRIP IRRIGATION DRIFLINE INDICATOR
NOT TO SCALE



DRIFLINE SLOPED LAYOUT
NOT TO SCALE



DRIFLINE ODD CURVES LAYOUT
NOT TO SCALE

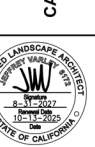


DRIFLINE IRREGULAR SHAPED LAYOUT
NOT TO SCALE

IRRIGATION DETAILS

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KINDA PETROLEUM, INC.
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CAMERON PARK, CALIFORNIA 95672



Scale: Horizontal N/A, Vertical N/A

Designed: JH/RE, Drawn: JH/RE, Checked: JH/RE, Approved: JH/RE, Date: 10/13/25

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Job Number: 22837, Sheet: 8 of 8