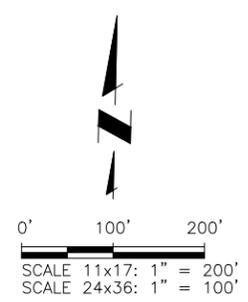


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IF BAR DOES NOT MEASURE ONE INCH, SCALE OF THIS DRAWING HAS BEEN ALTERED

- NOTES:**
1. THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.
  2. FEMA 100-YR FLOODPLAIN NOT WITHIN SITE BOUNDARIES.
  3. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MANY NOT BE ALL INCLUSIVE. CONTRACTOR TO VERIFY.
  4. SEE GEC DRAWINGS FOR GRADING AND EROSION CONTROL DETAILS.
  5. AERIAL IMAGERY IS NOT ACCURATELY SCALED AND SHOULD BE UTILIZED FOR REFERENCE ONLY (SOURCE: GOOGLE EARTH 2023)

**LEGAL DESCRIPTION:**  
 A TR OF LAND IN THE NE4NW4 OF SEC 27-12-65 DESC AS FOLS COM AT NW COR OF SD SEC 27, TH N88<38'53"E ON THE N LN OF SEC 27 1330.89 FT TO POB, SD PT BEING THE NW COR OF THE NE4NW4 OF SD SEC 27, N88<38'53"E ON SD N L OF NE4NW 4 210.00 FT, S01<21'07"E 211.63 FT, S89<05'30"W 211.63 FT TO THE W LN OF THE NE4NW4 OF SD SEC 27, N00<54'30"W ON SD W LN OF THE NE4NW4 210.00 FT FOR POB, EX THAT PT CONV BY REC #221232468



**LEGEND**

— X —	PROPERTY LINE
— X —	EX FENCE
— — —	EX EASEMENT LINE
— W —	EX WATER LINE
— UGE —	EX UG ELECTRIC LINE
⊙	EX ELEC POWER POLE
⊙	EX FIRE HYDRANT
⊙	EX TREE (SIZE VARIES)
● 30006	EX FOUND SURVEY MONUMENT
— 7385 —	EX CONTOURS—MAJOR
— — —	EX CONTOURS—MINOR
— 7385 —	PP CONTOURS—MAJOR
— — —	PP CONTOURS—MINOR
— UGE —	PP UG ELECTRIC LINE
— — —	PP WATER LINE
— X — X — X —	PP FENCE (BARBED WIRE CHAIN LINK)
→	PP VEHICLE TRAFFIC CIRCULATION PATH



All Planning, Engineering and Stormwater Comments have been resolved

Please schedule a Pre-Construction Meeting with Inspection Supervisor Brad Walters by emailing him at BradWalters@elpasoco.com.

**Approved**  
 By: *Justin Kilgore*  
 Planning Manager  
 Date: 12/01/2023  
 El Paso County Planning & Community Development



**Colorado Springs, CO**  
 5540 Tech Center Dr., Suite 100  
 Colorado Springs, CO 80919  
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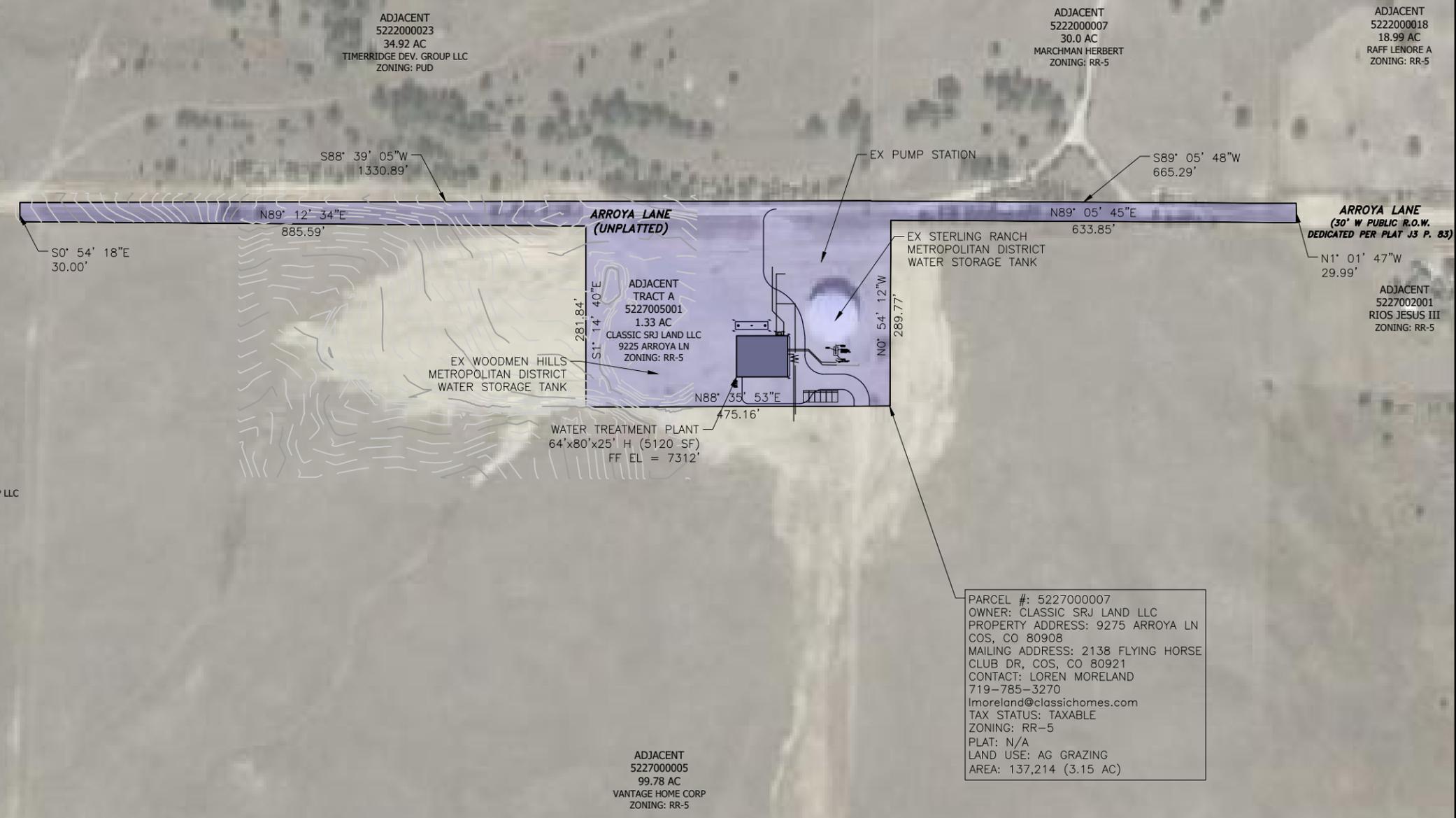


**FALCON AREA WATER & WASTEWATER AUTHORITY**  
 STERLING RANCH WATER TREATMENT PLANT  
 OVERALL SITE PLAN

NO.	DESCRIPTION	BY	APP.	DATE
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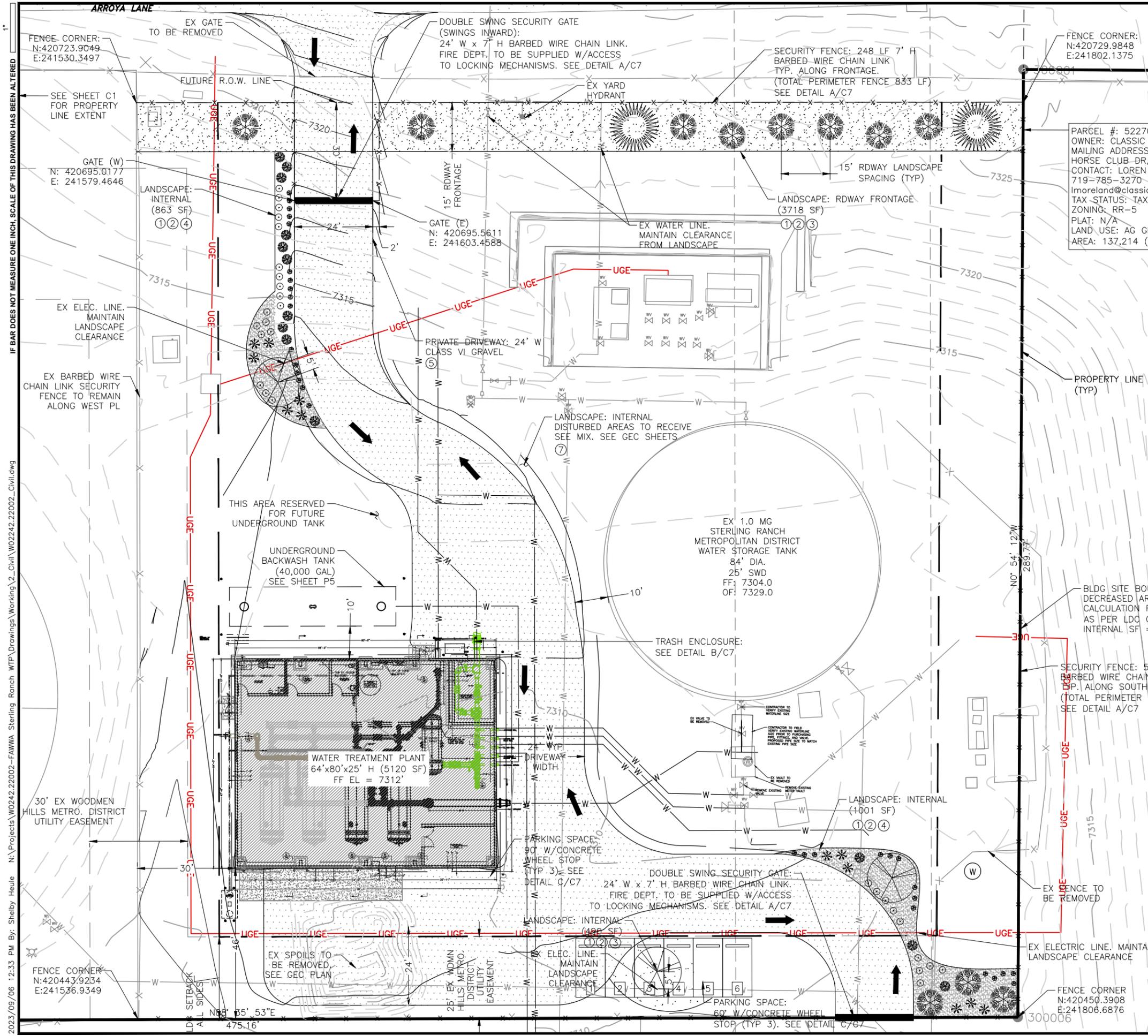
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 Date: 06/05/23  
 Design: JPM  
 Drawn: GGM  
 Check: JPM









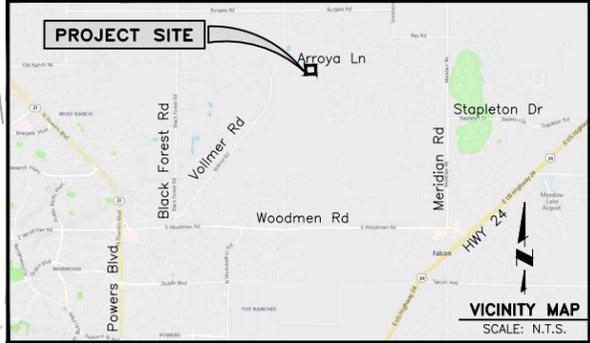
PARCEL #: 522700007  
 OWNER: CLASSIC SRJ LAND LLC  
 MAILING ADDRESS: 2138 FLYING HORSE CLUB DR, COS, CO 80921  
 CONTACT: LOREN HORELAND 719-785-3270  
 lmoreland@classichomes.com  
 TAX STATUS: TAXABLE  
 ZONING: RR-5  
 PLAT: N/A  
 LAND USE: AG GRAZING  
 AREA: 137,214 (3.15 AC)

PCD File No. PPR-23-014

- NOTES:
1. THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.
  2. FEMA 100-YR FLOODPLAIN NOT WITHIN SITE BOUNDARIES.
  3. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. CONTRACTOR TO VERIFY.
  4. SEE GEC DRAWINGS FOR GRADING AND EROSION CONTROL DETAILS.
  5. SEE UTILITY PLAN FOR PROPOSED UTILITIES.
  6. SEE LANDSCAPE DETAIL SHEETS FOR SCHEDULES AND LANDSCAPE DESIGNATIONS.

LEGEND

---	PROPERTY LINE
-X-	EX FENCE
-W-	EX EASEMENT LINE
-W-	EX WATER LINE
UGE	EX UG ELECTRIC LINE
⊕	EX ELEC POWER POLE
⊕	EX FIRE HYDRANT
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●	EX FOUND SURVEY MONUMENT
7385	EX CONTOURS-MAJOR
7385	EX CONTOURS-MINOR
7385	PP CONTOURS-MAJOR
7385	PP CONTOURS-MINOR
UGE	PP UG ELECTRIC LINE
---	PP WATER LINE
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→	PP VEHICLE TRAFFIC CIRCULATION PATH



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FALCON AREA WATER & WASTEWATER AUTHORITY  
 STERLING RANCH WATER TREATMENT PLANT  
 LANDSCAPE PLAN

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SHEET 9 OF 80

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IF BAR DOES NOT MEASURE ONE INCH, SCALE OF THIS DRAWING HAS BEEN ALTERED

ALTERNATE LANDSCAPE COVERAGES:	
SITE AREA (REDUCED BOUNDARY)	78,500
ROADWAY FRONTAGE	
ARROYA LANE, NON-ARTERIAL	
-DEPTH REQUIRED/PROVIDED	15'/15'
-TREES REQUIRED/PROVIDED	1 PER 15'/1 PER 15'
PARKING LOT	
	N/A
BUFFER & SCREEN AREAS	
	N/A (SEE ALT. LANDSCAPE REQUEST)
INTERNAL	
% MINIMUM INTERNAL AREA REQUIRED	5
INTERNAL AREA (REDUCED) REQUIRED/PROVIDED (PLANTINGS & HARDSCAPE)	3925/2352 (SEE ALT. LANDSCAPE REQUEST)
MINIMUM QUANTITY OF TREES REQUIRED/PROVIDED	3/5
LIVE GROUND COVER WITHIN APPLICABLE REQ. LANDSCAPE AREAS	
% GROUND COVER REQUIRED/PROVIDED	75/0 (SEE ALT. LANDSCAPE REQUEST)
OTHER	
ZONING DISTRICT BOUNDARY TREES	N/A (SEE ALT. LANDSCAPE REQUEST)
LANDSCAPING BETWEEN LOT AND CURB	N/A (SEE ALT. LANDSCAPE REQUEST)
MISCELLANEOUS	
% INTERNAL GROUND COVER REQUIRED/PROVIDED (INCL. SEED MIX)	50/40 (SEE ALT. LANDSCAPE REQUEST)

LANDSCAPE SCHEDULE - HARDSCAPE/MULCH	LANDSCAPE DESIGNATIONS
DECORATIVE ROCK MULCH: 3/4" - 1-1/2" MIX PIONEER GRANITE OR APPROVED EQUAL	① TYP PLANTING. REF: SHEET C5
3/8" GRAVEL MULCH: WASHED RIVER ROCK OR APPROVED EQUAL	② STEEL EDGE, TYP FOR SEPARATION BETWEEN SEED AND MULCH/GRAVEL AREAS. REF: DETAIL F/C6
BASECOURSE: CLASS VI AGGREGATE. SEE SPECIFICATIONS	③ DECORATIVE ROCK MULCH @ 3"-4" DEPTH
	④ GRAVEL MULCH @ 3"-4" DEPTH MIN
	⑤ BASECOURSE: CLASS VI AGGREGATE @ 4" DEPTH MIN
	⑥ LIVE GROUND COVER/SEED MIX REF: GEC SHEETS. SEED BLEND INSTALLED PER SUPPLIER'S SPECS. SUBMIT CUT SHEET FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. APPLY TO EXTENT OF SITE DISTURBED AREA

LANDSCAPE SCHEDULE - XERIC/LOW WATER VEGETATION						
SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	MATURE SIZE	PLANTING SIZE (MIN)	COMMENTS
	GRASS					
	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	30	2'-0" x 1'-6"	#3 CONT.	MAINTAIN SHAPE AND SIZE BY PRUNING LATE MARCH
	CALAMAGROSTIS ACUTIFLORA	KARL FOERSTER FEATHER REED	28	4'/6'-0" x 2'-0"	#5 CONT.	CUT CLUMPS OF GRASS NEAR THE GROUND LATE WINTER PRIOR TO NEW SHOOTS APPEARING
	SHRUB					
	RHUS TRILOBATA	SKUNKBUSH SUMAC	13	4'-0" x 3'-0"	#5 CONT.	MAINTAIN SHAPE AND SIZE BY PRUNING LATE WINTER
	POTENTILLA FRUTICOSA	GOLDSTAR POTENTILLA	12	2'-6" x 3'-0"	#5 CONT.	MAINTAIN SHAPE AND SIZE BY PRUNING EARLY SPRING
	EVERGREEN TREE					
	PINUS EDULIS	PINON PINE	2	25'-0" x 15'-0"	4' MIN. HEIGHT	MUST ARRIVE BALLED AND BURLAPPED. PRUNE TO SHAPE TREE AT EARLY GROWTH
	JUNIPERUS SCOPULORUM	ROCKY MOUNTAIN JUNIPER	11	15'-0" x 8'-0"	4' MIN. HEIGHT	MUST ARRIVE BALLED AND BURLAPPED. PRUNE OUT SPORE HORNS WHEN SEEN IN SPRING
	DECIDUOUS ORNAMENTAL TREE					
	ROBINIA NEOMEXICANA	NEW MEXICO LOCUST	3	15'/25'-0" x 10'/15'-0"	1" CAL	MUST ARRIVE BALLED AND BURLAPPED. CALIPER SHALL BE MEASURED 6" ABOVE GROUND

LANDSCAPING NOTES:

- PLANT QUANTITY AND SUBSTITUTION:** IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT TABLE AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLANTING PLAN SHALL GOVERN. THE MINIMUM ACCEPTABLE SIZES OF PLANTS MEASURED BEFORE PRUNING WITH BRANCHES IN NORMAL POSITION SHALL CONFORM TO THE PLANTING SIZES AS SPECIFIED IN THE SCHEDULE. ANY SUBSTITUTION OF PLANT SIZE OR SPECIES MUST BE SUBMITTED TO THE ENGINEER IN WRITING FOR APPROVAL PRIOR TO INSTALLATION.
- ACCEPTABLE PLANT MATERIAL:** ALL PLANTS SHALL MEET OR EXCEED STANDARDS SET BY THE "COLORADO NURSERY ASSOCIATION," AND THE "AMERICAN STANDARD OF NURSERY STOCK." ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES, HEALTHY, FREE OF DISEASE, INSECT PESTS, MECHANICAL INJURIES, AND HAVE ADEQUATE ROOT SYSTEMS. ALL PLANTINGS SHALL BE INSTALLED PER PLANTING DETAILS. ALL PLANT MATERIAL SHALL BE INSPECTED BY THE ENGINEER OR OWNER PRIOR TO INSTALLATION. STAKING/CONTRACTOR INSPECTION NOTE: ALL PLANTING LOCATIONS TO BE STAKED AND INSPECTED BY CONTRACTOR PRIOR TO INSTALLATION. ALL PLANTS TO BE INSPECTED AT NURSERY LOCATION PRIOR TO TRANSPORTING TO THE SITE.
- SITE DISTURBANCE:** ALL AREAS OF SITE DISTURBANCE DUE TO CONSTRUCTION SHALL BE RENOVATED OR PLANTED PER THIS PLAN UNLESS OTHERWISE NOTED. SITE-SPECIFIC LANDSCAPING SHALL AT A MINIMUM, INCLUDE REVEGETATION OF DISTURBED AREAS WITH MATERIALS INDIGENOUS TO THE SITE OR OTHERWISE ADAPTABLE.
- SOIL AMENDMENTS:** CONTRACTOR SHALL AMENDED PLANTING AREAS AS FOLLOWS:  
 -ADD MINIMUM OF 3 CUBIC YARDS OF WELL-COMPOSTED AGED MANURE OR PREMIUM COMPOST PER 1000 S.F.  
 -ALL AMENDED AREAS SHALL BE TILLED TO A DEPTH OF 6" PRIOR TO PLANTING.  
 -3 CUBIC YARDS PER 1000 S.F. OF WELL-COMPOSTED AGED MANURE OR PREMIUM COMPOST.  
 -ALL AMENDED AREAS SHALL BE TILLED TO A DEPTH OF 6" PRIOR TO PLANTING.
- SEEDED TURF:** ALL SEEDED OR HYDROMULCHED AREAS SHALL DEMONSTRATE 95% GERMINATION PRIOR TO FINAL ACCEPTANCE.
- IRRIGATION:** OWNER TO IRRIGATE FOR ONE TO TWO GROWING SEASONS UNTIL ESTABLISHED AND ON AN AS-NEEDED BASIS THEREAFTER. DISTURBED AREA SEED/GRASS MIXTURE MUST BE IRRIGATED BY OWNER UNTIL ESTABLISHED AND IN TIMES OF DROUGHT. THE ON-GOING MAINTENANCE OF THE NATIVE GRASS IS THE RESPONSIBILITY OF OWNER.
- INORGANIC MULCH AND FABRIC:** ALL PLANTINGS TO RECEIVE 3-INCH DEPTH OF INORGANIC MULCH. MULCH RINGS TO BE 15-INCH DIA. FOR (5) GALLON SHRUBS/GRASSES (SEE DRAWING DETAILS). HIGH QUALITY COMMERCIAL-GRADE (SPUN-BONDED POLYPROPYLENE OR EQUAL) LANDSCAPING FABRIC SHALL BE APPLIED UNDER ALL ROCK/MULCH BASES.
- STEEL EDGE:** ALL EDGER SHALL BE ACME 4" PERFORATED STEEL EDGER "SELF COLORING" 14 GAUGE OR APPROVED EQUAL.
- APPROVAL:** ANY FIELD CHANGES OR DEVIATIONS TO THESE PLANS WITHOUT PRIOR APPROVAL OF AN AMENDED DEVELOPMENT PLAN MAY RESULT IN A DELAY OF FINAL APPROVAL AND THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- FINAL TREE AND SHRUB LOCATIONS:** ALL TREE LOCATIONS SHALL BE STAKED FOR APPROVAL BY OWNER REPRESENTATIVE/ENGINEER PRIOR TO PLANTING. SHRUBS SHALL BE PLACED IN THEIR LOCATIONS PER THIS PLAN AND APPROVED BY OWNER REPRESENTATIVE/ENGINEER. THE FINAL LOCATION OF TREES TO BE PLANTED MAY REQUIRE ADJUSTMENT BASED ON APPROVAL OF THE FINAL UTILITIES PLANS AND ANY ASSOCIATED FINAL EASEMENTS LOCATIONS.
- COMPLIANCE WITH PLANS:** THE COMPLETED LANDSCAPING SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN AND SHALL INCLUDE THE QUANTITIES, LOCATIONS, SPECIES AND SIZES OF PLANTS AND OTHER LANDSCAPE MATERIALS AS REPRESENTED ON THE APPROVED LANDSCAPE PLAN. SEEDED LANDSCAPE AREAS SHALL HAVE NO BARE AREAS LARGER THAN 6 SQUARE INCHES AFTER GERMINATION.
- MAINTENANCE:**
  - THE OWNER IS RESPONSIBLE FOR ALL REGULAR AND NORMAL MAINTENANCE OF REQUIRED LANDSCAPING INCLUDING WEEDING, IRRIGATION, FERTILIZING, PRUNING AND MOWING.
  - REPLACEMENT OF DEAD, DISEASED OR SUBSTANTIALLY DAMAGED PLANT MATERIALS SHALL OCCUR WITHIN 6 MONTHS FROM WHEN THE PLANT MATERIAL DIED, OR WHEN THE INSPECTION DETERMINED THE PLANT MATERIAL WAS DEAD OR DAMAGED. REPLACEMENT SHALL BE OF THE SAME OR SIMILAR TYPE AS ORIGINALLY APPROVED. AN ALTERNATIVE TYPE OF SPECIES SHALL REQUIRE APPROVAL BY THE PCD DIRECTOR.
  - MAINTENANCE INSPECTIONS MAY BE PERFORMED PERIODICALLY. FAILURE TO MAINTAIN THE LANDSCAPING IN COMPLIANCE WITH THE APPROVAL IS CONSIDERED A ZONING VIOLATION.

\* BY APPROVING THIS PLAN, THE DIRECTOR IS APPROVING AN ALTERNATE LANDSCAPING DESIGN AS IT RELATES AND CONFORMS TO HOMELAND SECURITY STANDARDS (AS DESCRIBED IN THE LETTER OF INTENT), AND PROMOTES WATER CONSERVATION WHILE MEETING THE PURPOSES DESCRIBED IN THE LAND DEVELOPMENT CODE.

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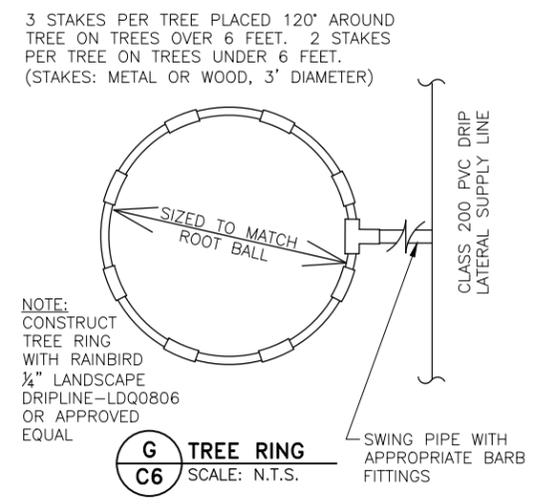
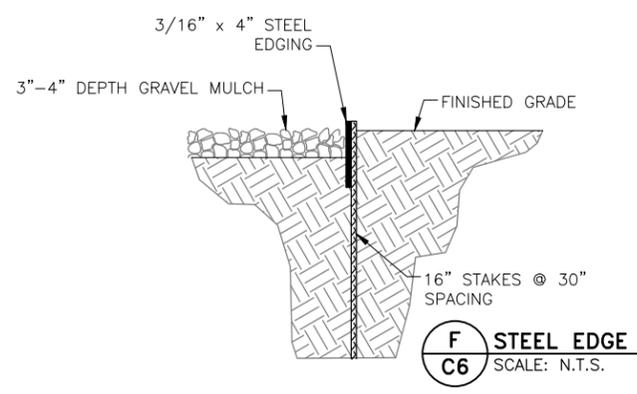
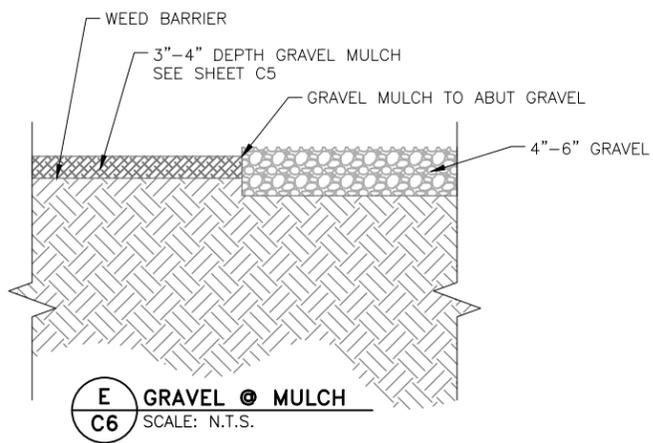
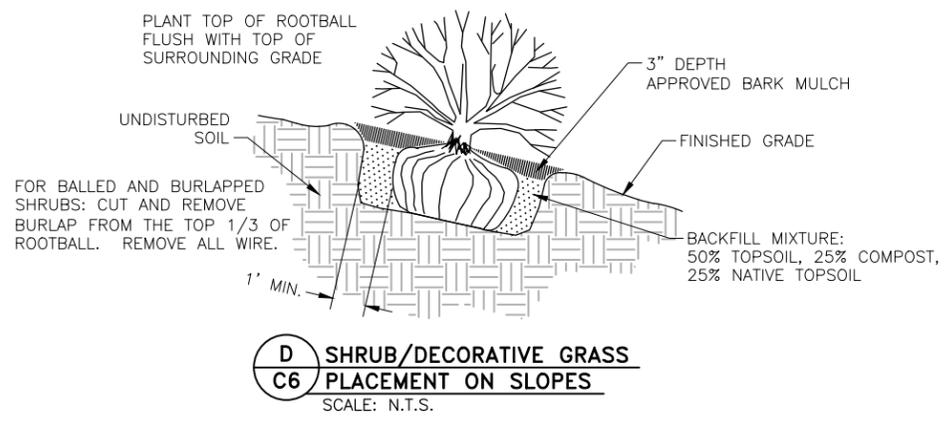
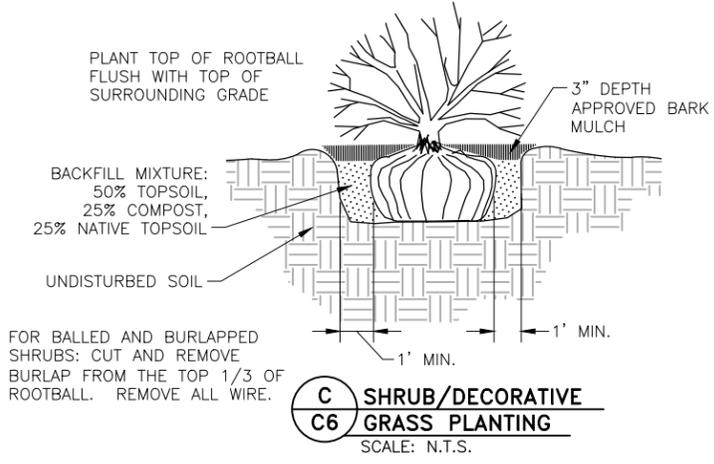
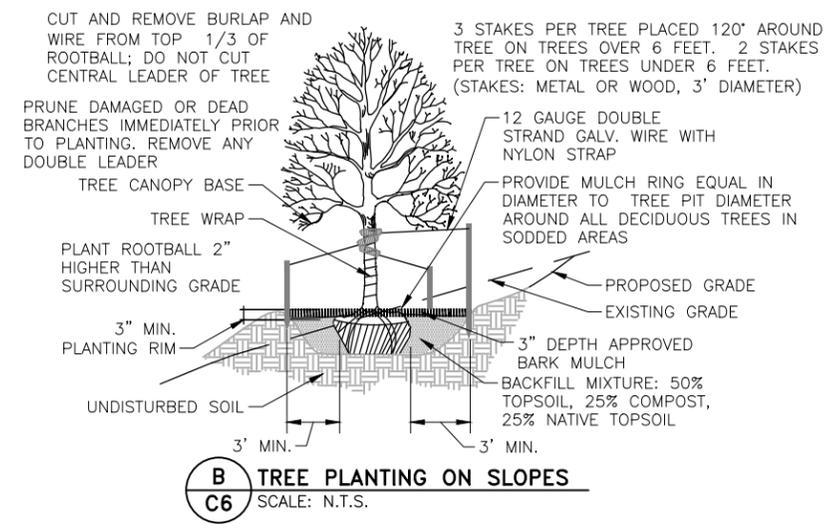
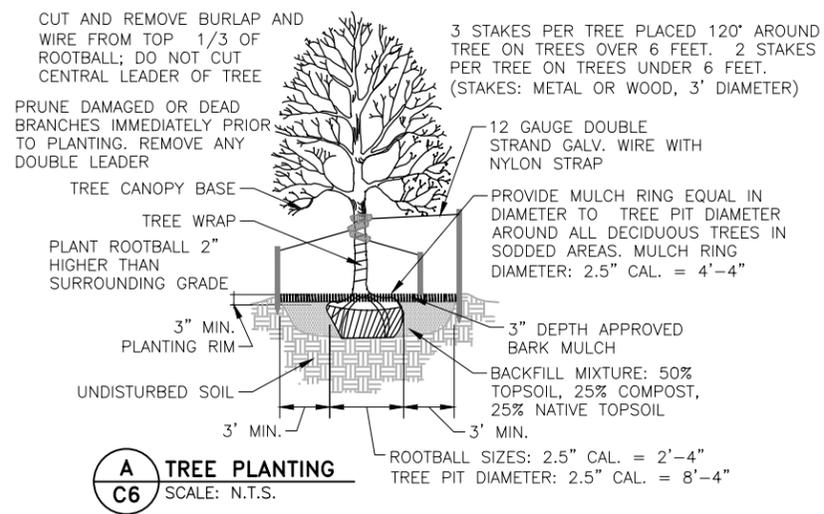
**FALCON AREA WATER & WASTEWATER AUTHORITY**  
 STERLING RANCH WATER TREATMENT PLANT  
 LANDSCAPE DETAILS

NO.	REVISIONS		DATE
	DESCRIPTION	BY APP.	
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**FOR REVIEW**

Proj.#: W02242.22  
 Date: 06/05/23  
 Design: GGM  
 Drawn: GGM  
 Check: JPM

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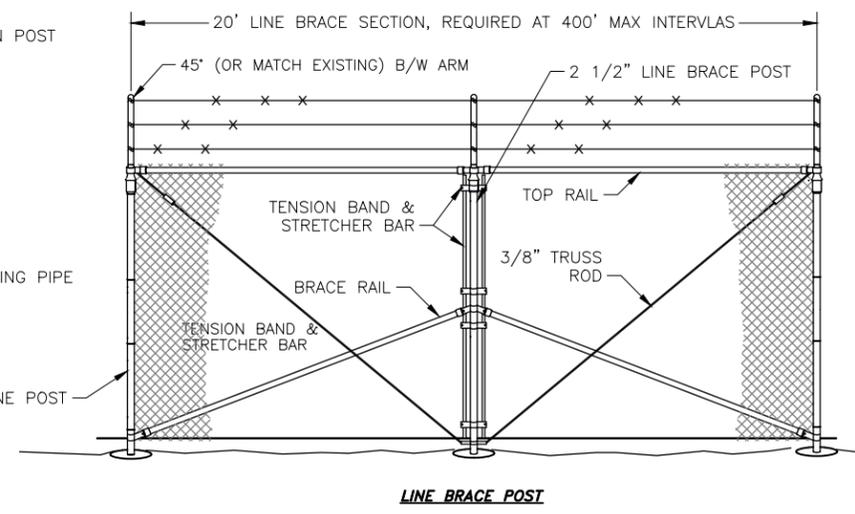
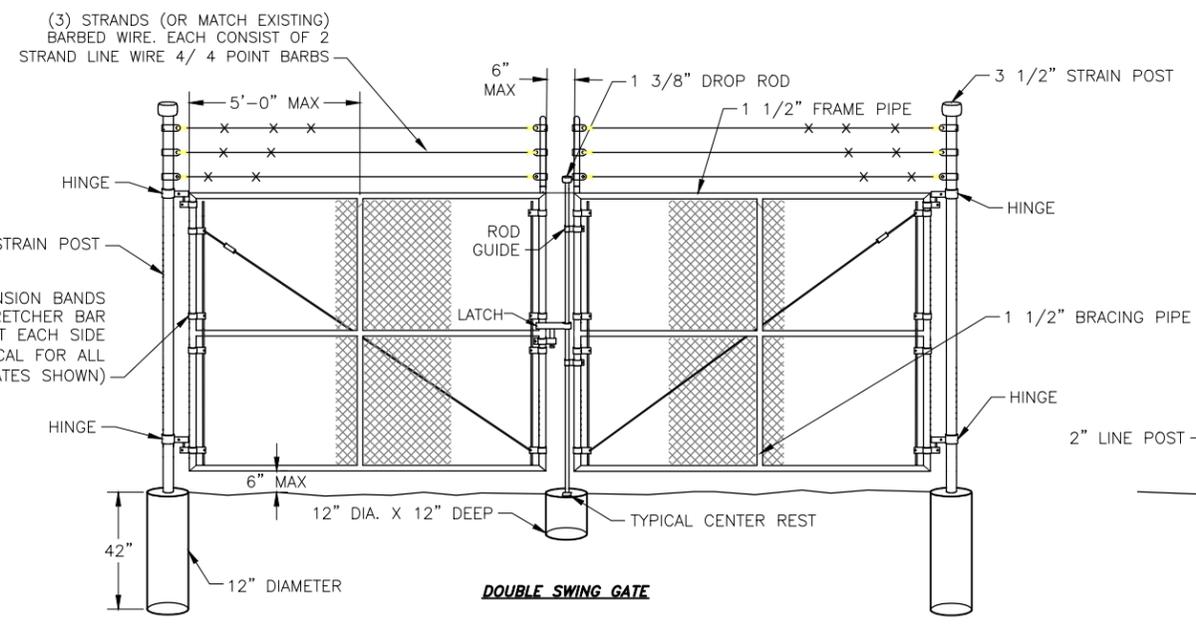
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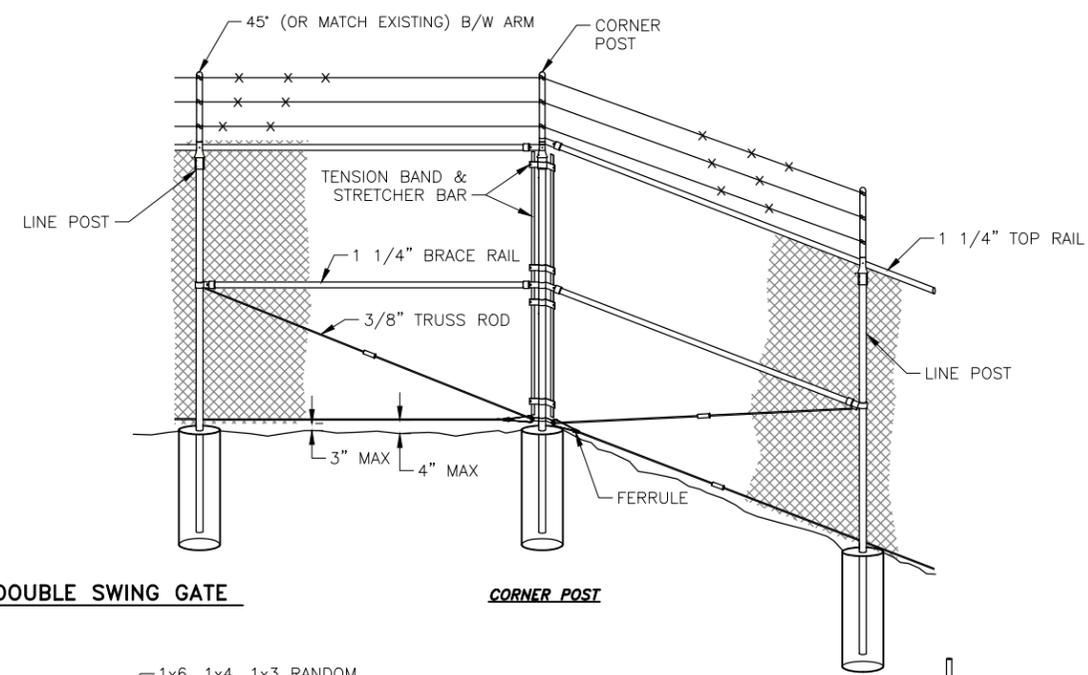
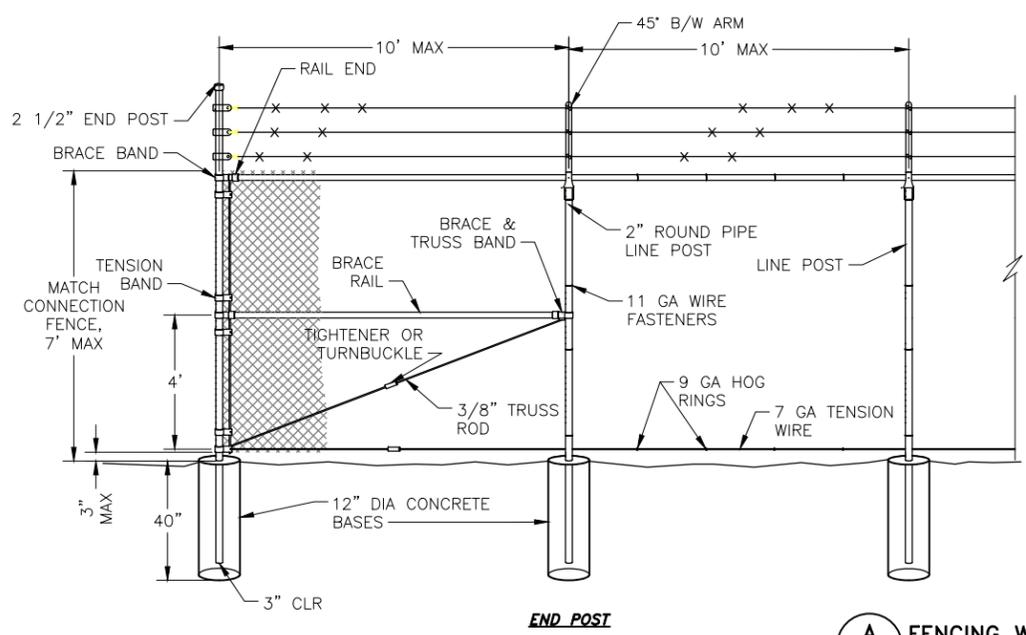
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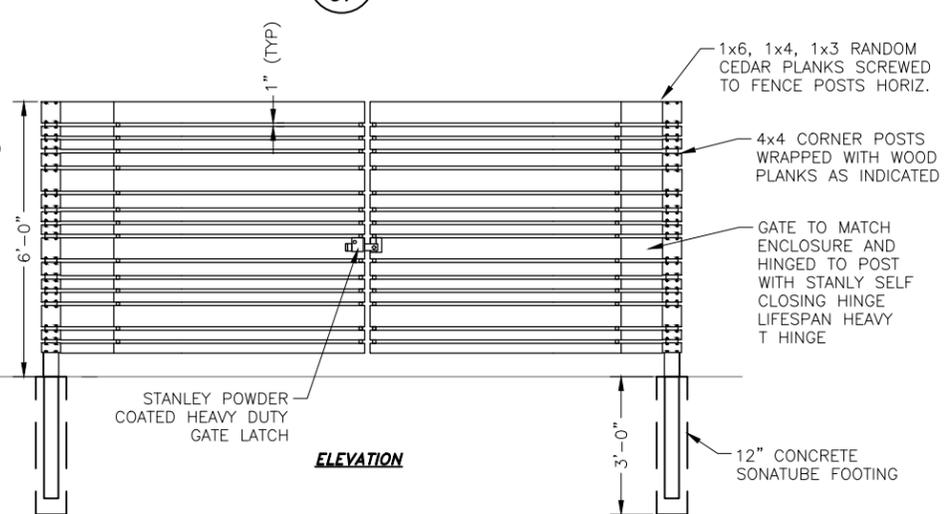
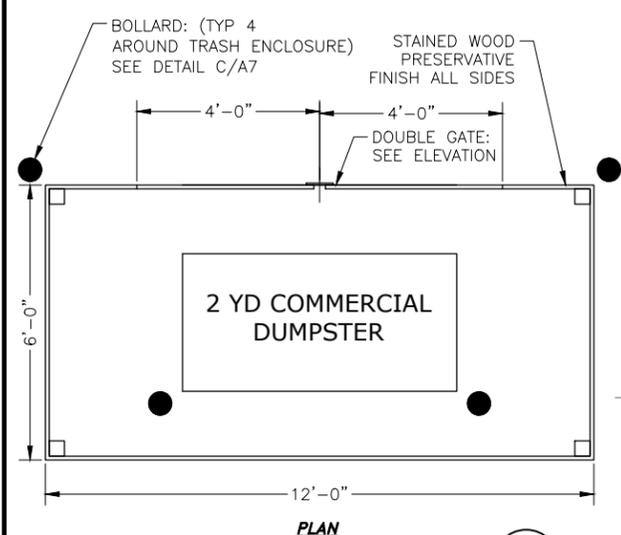
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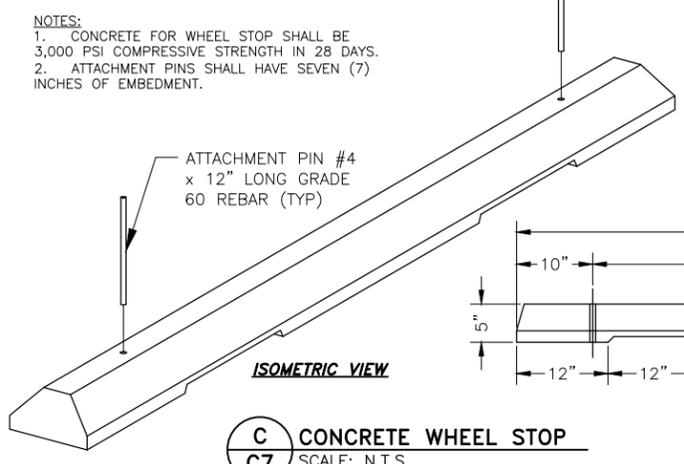
- FENCING NOTES:**
- CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181.
  - CHAIN LINK FABRIC SHALL BE 2" MESH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND TIE CLIPS SHALL BE NO. 11 GAGE (W&M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B&S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.
  - STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO AASHTO M 181 TYPE 1, GRADE 1 OR GRADE 2.
  - TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.
  - TENSION WIRE SHALL BE AS SPECIFIED IN AASHTO M 181.
  - CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE CLASS A, AX, OR B.
  - CHAIN LINK FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNUCKLED ON THE BOTTOM SELVAGE.
  - ATTACH FABRIC TO ALL FENCE & GATE STRUCTURES AT 12" INTERVALS VERTICALLY & AT 20" HORIZONTALLY.
  - MATCH ANY EXISTING SITE BARB WIRE 45' ARM SUPPORTS WHERE APPLICABLE.
  - DETAILS ARE FOR REFERENCE ONLY - CONTRACTOR TO SUBMIT FENCE DETAILS.
  - IDENTIFICATION SIGNAGE TO BE INSTALLED ON FENCE PER PLANS. KNOXBOX INSTALLED ON GATES FOR FIRE DEPARTMENT ACCESS.



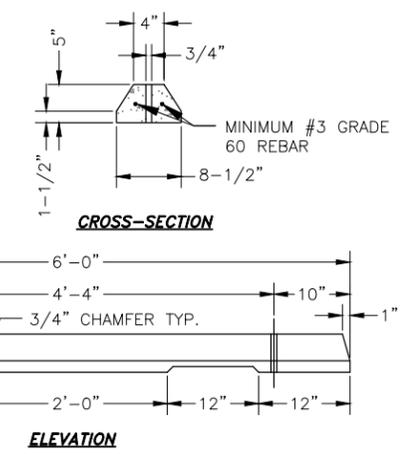
**A FENCING WITH DOUBLE SWING GATE**  
SCALE: N.T.S.



**B TRASH ENCLOSURE**  
SCALE: N.T.S.



**C CONCRETE WHEEL STOP**  
SCALE: N.T.S.



PCD File No. PPR-23-014

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**FALCON AREA WATER & WASTEWATER AUTHORITY**  
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LANDSCAPE DETAILS

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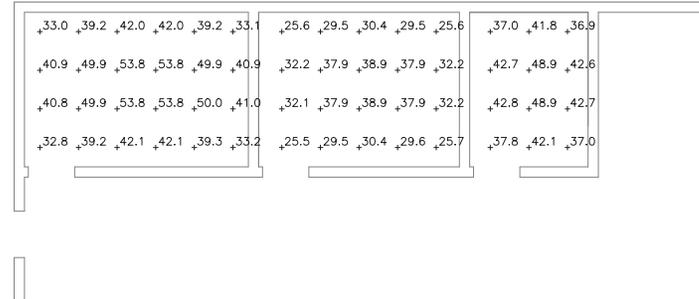
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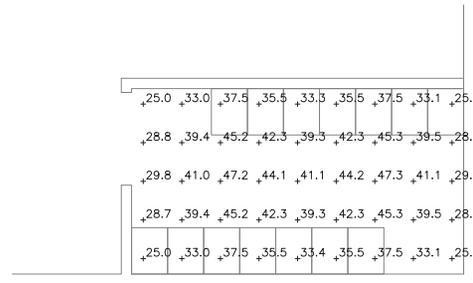




**1 MAIN - INTERIOR PHOTOMETRIC CALCULATIONS**  
 SCALE: 1/8"=1'-0"



**2 NORTH ROOMS - INTERIOR PHOTOMETRIC CALCULATIONS**  
 SCALE: 1/4"=1'-0"



**3 ELECTRICAL ROOM PHOTOMETRIC CALCULATIONS**  
 SCALE: 1/4"=1'-0"

**SHEET NOTES**

- LUMINOUS UNITS IN FOOT CANDLES (FC).
- REFER TO CIVIL PLANS FOR BUILDING SPECIFICATIONS AND DIMENSIONS.

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 5500 Tech Center Dr., Suite 100  
 Colorado Springs, CO 80919  
 www.cespa.com

FALCON AREA WATER & WASTEWATER AUTH  
 STERLING RANCH WATER TREATMENT PLANT  
 INTERIOR PHOTOMETRIC CALCULATIONS

NO.	DESCRIPTION	BY	APP.	DATE
1	FOR REVIEW	ZRP	SAM	03/24/23
2	LIGHTING UPDATES	ZRP	SAM	05/03/23
3	60% DESIGN SET	NMJ	SAM	07/19/23
4				
5				
6				
7				

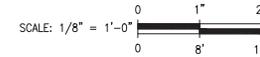
PRELIMINARY

OWNER INFORMATION:  
 FALCON AREA WATER AND  
 WASTEWATER AUTHORITY  
 2138 FLYING HORSE CLUB DR.  
 COLORADO SPRINGS, CO 80921  
 CONTACT: LOREN MORELAND  
 PHONE: (719) 785-9270  
 EMAIL: LMORELAND@CLASSICHOMES.COM

PROPERTY ADDRESS:  
 9255 ARROYA LANE  
 COLORADO SPRINGS, CO 80908

PROJECT: 0395-23-01  
  
 1095 S FEDERAL WAY  
 BOISE, IDAHO 83705  
 (208) 433-9987  
 (208) 428-0550 FAX

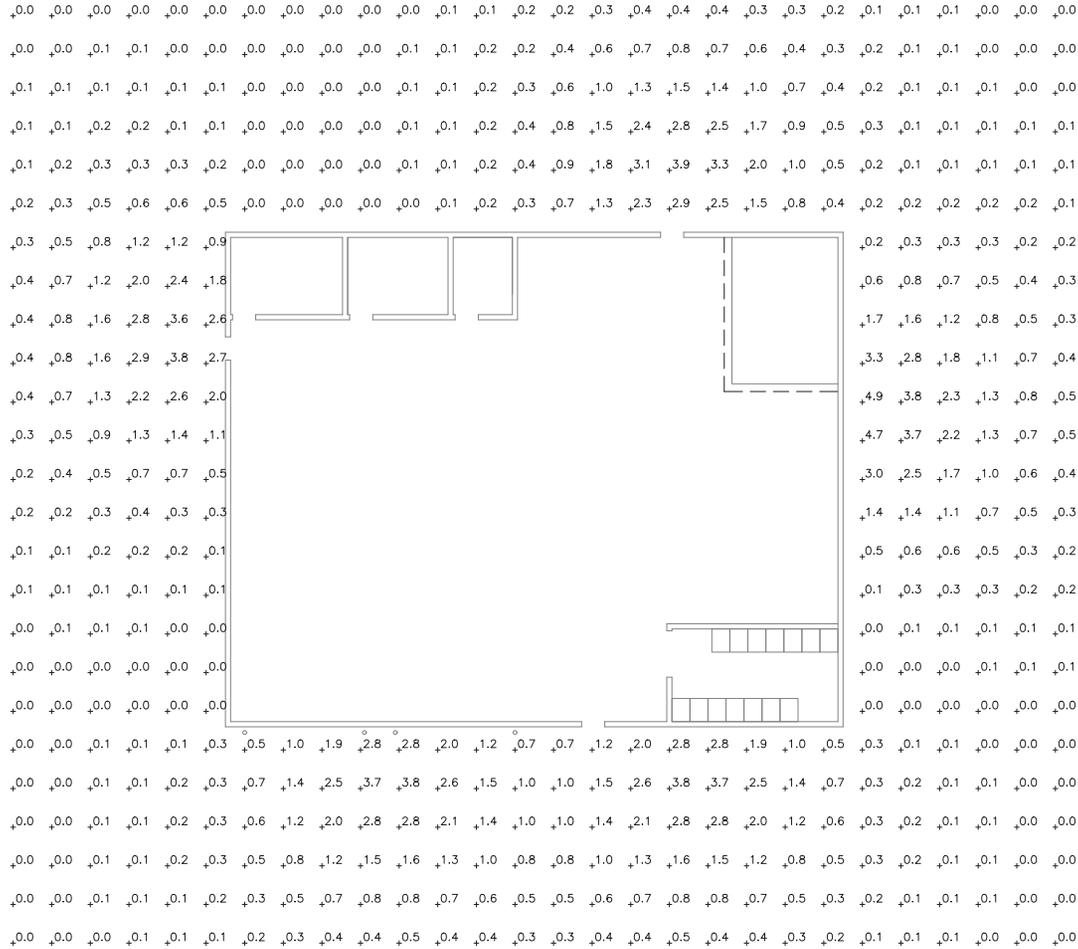
Proj.#: W02242.22  
 Date: 03/24/23  
 Design: NMJ/ZRP  
 Drawn: NMJ/ZRP  
 Check: SAM



**Control Engineers**

IF BAR DOES NOT MEASURE ONE INCH SCALE OF THIS DRAWING HAS BEEN ALTERED

2023/07/19 4:07 PM By: Nicholas M. Johnson\0395 IDS: Hydro\23-01 Sterling WTP\Drawing PHOTOMETRIC PLAN.dwg



**1 EXTERIOR PHOTOMETRIC CALCULATIONS**  
SCALE: 1/8"=1'-0"

**SHEET NOTES**

- LUMINOUS UNITS IN FOOT CANDLES (FC).
- REFER TO CIVIL PLANS FOR BUILDING SPECIFICATIONS AND DIMENSIONS.
- EXTERIOR CALCULATIONS WERE LIMITED TO 30 FEET FROM BUILDING.

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STERLING RANCH WATER TREATMENT PLANT  
EXTERIOR PHOTOMETRIC CALCULATIONS

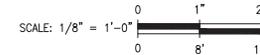
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Proj.#: W02242.22  
Date: 03/24/23  
Design: NMJ/ZRP  
Drawn: NMJ/ZRP  
Check: SAM

E2.7  
SHEET 15 OF 20

CODE	DESCRIPTION	VOLTAGE	WATTS	MAKE/MODEL	MANUFACTURER	MOUNTING	MOUNTING HEIGHT	NOTES	DRAWING
A	CPX LED PANEL 2'X2'	120-277VAC	26.59W	CPX 2X2 3200LMHE 80CRI 40K SWL 347	LITHONIA LIGHTING	CEILING	10 FT		E2.5
B	UFIT 48" LED STRIPLIGHT	120-277VAC	57.2W	UFIT L48 8000LM HEF MVOLT G210 40K 80CRI WH	LITHONIA LIGHTING	CEILING/SUSPENDED	12 FT		E2.5
C	ECC EMERGENCY EXIT COMBO LIGHT	120-277VAC	1.1W	ECC M12	LITHONIA LIGHTING	CEILING/SUSPENDED	8 FT	ABOVE DOOR	E2.5
D	ARC1 LED ARCHITECTURAL WALLPACK	120-277VAC	17.0W	ARC1 LED P2 40K MVOLT FAO	LITHONIA LIGHTING	WALLPACK	14 FT	FIELD ADJUSTABLE LIGHT OUTPUT	E2.5
E	HGX MOTION SENSING FLOOD LIGHT	120-277VAC	26.0W	HGX LED 2RH ALO SWW2 120 PIR WH	LITHONIA LIGHTING	WALLPACK	14 FT	MOTION SENSING	E2.5
F									

**1 LUMINAIRE FIXTURE SCHEDULE**  
SCALE: NONE

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FALCON AREA WATER & WASTEWATER AUTH  
STERLING RANCH WATER TREATMENT PLANT  
LIGHTING SCHEDULE

NO.	DESCRIPTION	REVISIONS		DATE
		BY	APP.	
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2	LIGHTING UPDATES	ZRP	SAM	05/03/23
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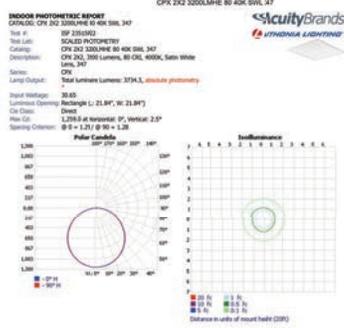
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**Control Engineers**

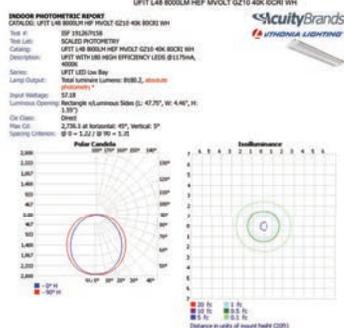
Proj.#: W02242.22  
Date: 03/24/23  
Design: NMJ/ZRP  
Drawn: NMJ/ZRP  
Check: SAM

E3.0  
SHEET 16 OF 20



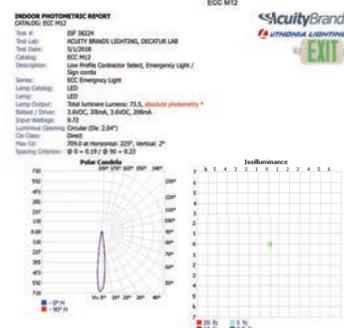
\*Not based on absolute photometry unless lamp lumens/lumen list.  
 \*\*Self Classification and efficiency cannot be properly calculated for absolute photometry.  
 Visual Performance: Test 1.2 @ 1000000 2023, Acuity Brands Lighting  
 This Performance report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Performance report is dependent on the accuracy of the data provided. Input and environmental and application conditions, but are limited to the range of values for all dimensions. Our users should understand that our calculations are based on the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to its accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.  
 IGP 2200202  
 VISUAL PHOTOMETRIC TOOL

**1 FIXTURE A PHOTMETRIC DIAGRAM**  
SCALE: NONE



\*Not based on absolute photometry unless lamp lumens/lumen list.  
 \*\*Self Classification and efficiency cannot be properly calculated for absolute photometry.  
 Visual Performance: Test 1.2 @ 1000000 2023, Acuity Brands Lighting  
 This Performance report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Performance report is dependent on the accuracy of the data provided. Input and environmental and application conditions, but are limited to the range of values for all dimensions. Our users should understand that our calculations are based on the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to its accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.  
 IGP 0000000  
 VISUAL PHOTOMETRIC TOOL

**2 FIXTURE B PHOTMETRIC DIAGRAM**  
SCALE: NONE



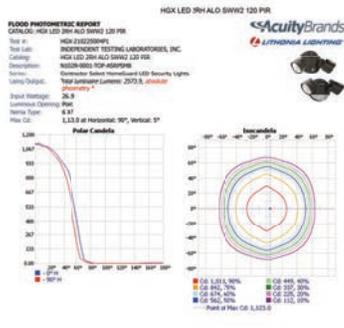
\*Not based on absolute photometry unless lamp lumens/lumen list.  
 \*\*Self Classification and efficiency cannot be properly calculated for absolute photometry.  
 Visual Performance: Test 1.2 @ 1000000 2023, Acuity Brands Lighting  
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 IGP 0000000  
 VISUAL PHOTOMETRIC TOOL

**3 FIXTURE C PHOTMETRIC DIAGRAM**  
SCALE: NONE



\*Not based on absolute photometry unless lamp lumens/lumen list.  
 \*\*Self Classification and efficiency cannot be properly calculated for absolute photometry.  
 Visual Performance: Test 1.2 @ 1000000 2023, Acuity Brands Lighting  
 This Performance report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Performance report is dependent on the accuracy of the data provided. Input and environmental and application conditions, but are limited to the range of values for all dimensions. Our users should understand that our calculations are based on the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to its accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.  
 IGP 0000000  
 VISUAL PHOTOMETRIC TOOL

**4 FIXTURE D PHOTMETRIC DIAGRAM**  
SCALE: NONE



\*Not based on absolute photometry unless lamp lumens/lumen list.  
 \*\*Self Classification and efficiency cannot be properly calculated for absolute photometry.  
 Visual Performance: Test 1.2 @ 1000000 2023, Acuity Brands Lighting  
 This Performance report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Performance report is dependent on the accuracy of the data provided. Input and environmental and application conditions, but are limited to the range of values for all dimensions. Our users should understand that our calculations are based on the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to its accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.  
 IGP 0000000  
 VISUAL PHOTOMETRIC TOOL

**5 FIXTURE E PHOTMETRIC DIAGRAM**  
SCALE: NONE

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**FALCON AREA WATER & WASTEWATER AUTH**  
**STERLING RANCH WATER TREATMENT PLANT**  
**MANUFACTURER FIXTURE DATA**

NO.	REVISIONS	DESCRIPTION	APP. BY	DATE	
					FOR REVIEW
1		LIGHTING UPDATES	ZRP	SAW	05/03/23
2		60K DESIGN SET	NMJ	SAW	07/19/23
3					
4					
5					
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7					

**PRELIMINARY**

Proj #: W02242.22  
 Date: 03/24/23  
 Design: NMJ/ZRP  
 Drawn: NMJ/ZRP  
 Check: SAW