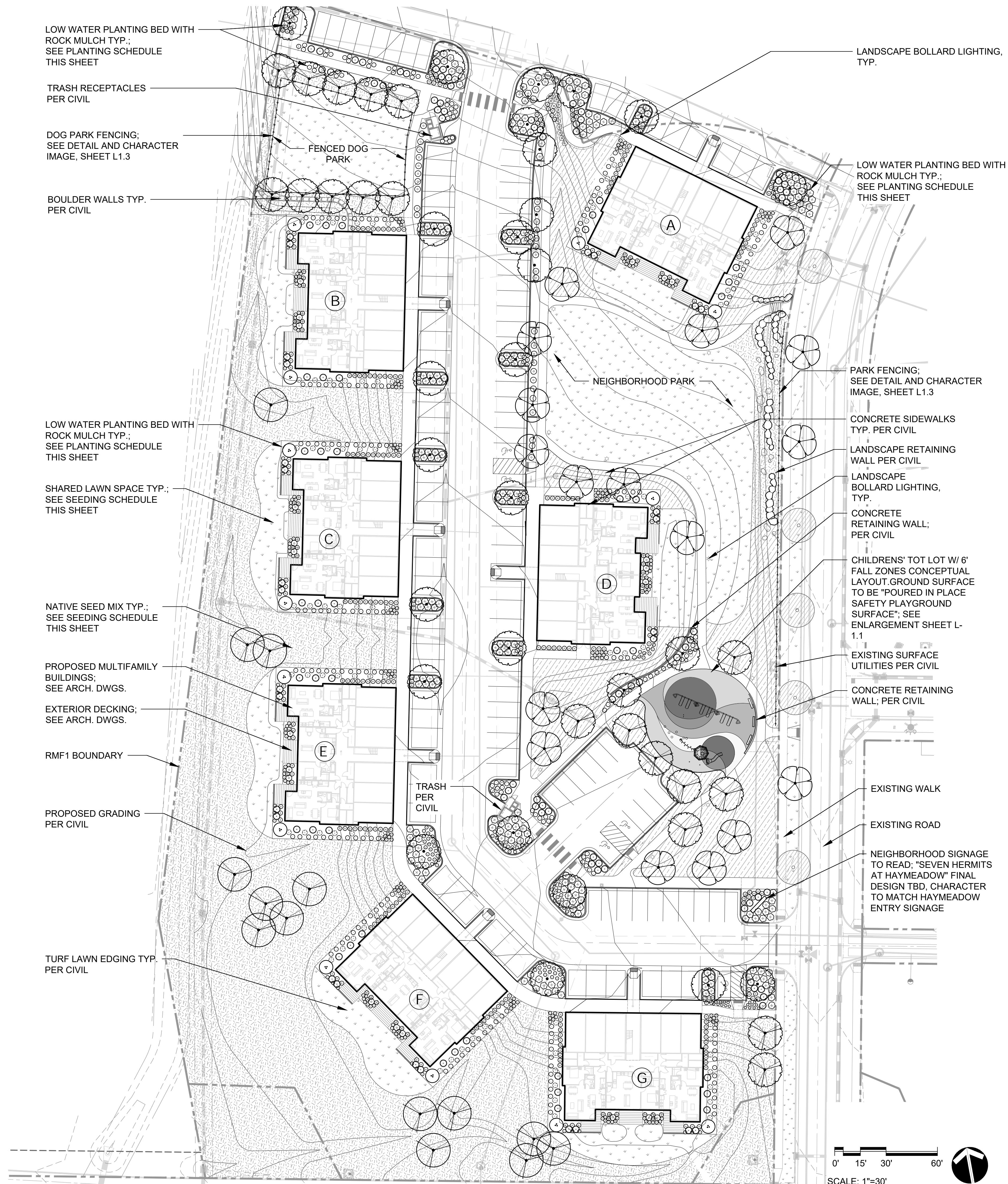


# HAYMEADOW DEVELOPMENT

## RMF-1 & 2, Phase 1 Development

Eagle, CO



## PLANT SCHEDULE FOR RMF-1

TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
○	Acer negundo 'Sensation' / Sensation Box Elder	B & B	3"	14
○	Acer x freemanii 'Jeffersred' TM / Autumn Blaze Freeman Maple	B & B	3"	21
○	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry	B & B, Multi-stem		13
○	Celtis occidentalis / Common Hackberry	3" Cal B&B		17
○	Celtis occidentalis EXISTING / Common Hackberry	EXISTING		5
○	Tilia americana / American Linden	B & B	3"	25
SHRUBS	BOTANICAL / COMMON NAME	CONT		
○	Berberis x 'Bailsel' TM / Golden Carousel Barberry	#5 Cont.		12
○	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#1 Cont.		299
○	Caryopteris x clandonensis 'Blue Mist' / Blue Mist Bluebeard	#5 Cont.		135
○	Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass	#1 Cont.		48
○	Physocarpus opulifolius 'Monro' TM / Diabolo Ninebark	#5 Cont.		89
○	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	#5 Cont.		235
○	Salvia yangii / Russian Sage	#5 Cont.		53
ORNAMENTAL GRASSES	BOTANICAL / COMMON NAME	CONT		
○	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	#1 Cont.		234
○	Festuca glauca 'Elijah Blue' / Elijah Blue Fescue	#1 Cont.		18
○	Helictotrichon sempervirens / Blue Oat Grass	#1 Cont.		328

## MASTER SEEDING AND SOD SCHEDULE FOR RMF-1

	MOWED NATIVE TURF MASTER "NATURE'S PRAIRE" SOD- FESTUCA RUBRA / CREEPING RED FESCUE KOELERIA MACRANTHA / PRAIRIE JUNEGRASS DESCHAMPSIA CESPITOSA / TUFTED HAIRGRASS BOUTELOUA CURTIPENDULA / SIDEOTS GRAMA FESTUCA OVINA / SHEEP FESCUE	ACRES TOTAL .35 AC
	TURF-CLOVER SEED MIX POA PRATENSIS / KENTUCKY BLUEGRASS TRIFOLIUM REPENS / WHITE CLOVER	ACRES TOTAL .50 AC FILL 100% RATE 2 lbs PLS PER AC 2 lbs PLS PER AC POUNDS 1.5 lbs 1.5 lbs TOTAL 4 lbs PLS PER AC 2.00 lbs
	NATIVE SEED MIX AGROPYRON PASCOPYRUM 'ARRIBA' / WESTERN WHEATGRASS AGROPYRON RIPARIUM / STREAMBANK WHEATGRASS BROMUS COMMUTATUS / MEADOW BROMEGRASS BROMUS MARGINATUS / MOUNTAIN BROME DACTYLIS GLomerata / ORCHARD GRASS POA ALPINA / ALPINE BLUEGRASS	ACRES TOTAL 1.25 AC FILL 100% RATE 2.65 lbs PLS PER AC 2.65 lbs PLS PER AC 5.30 lbs PLS PER AC 5.30 lbs PLS PER AC 5.30 lbs PLS PER AC POUNDS 3.3 lbs 3.3 lbs 6.63 lbs 6.63 lbs 6.63 lbs TOTAL 26.5 lbs PLS PER AC 33.12 lbs

## SITE LIGHTING LEGEND

LANDSCAPE BOLLARD LIGHTING;  
FINAL LIGHT FIXTURE TO BE  
DETERMINED AND COORDINATED  
WITH LIGHTING DESIGNER

## NOTES:

1. REFER TO CIVIL DWGS. FOR ALL PROPOSED GRADING AND DRAINAGE.
2. REFER TO CIVIL DWGS. FOR ALL SURFACE AND SUBSURFACE UTILITIES.

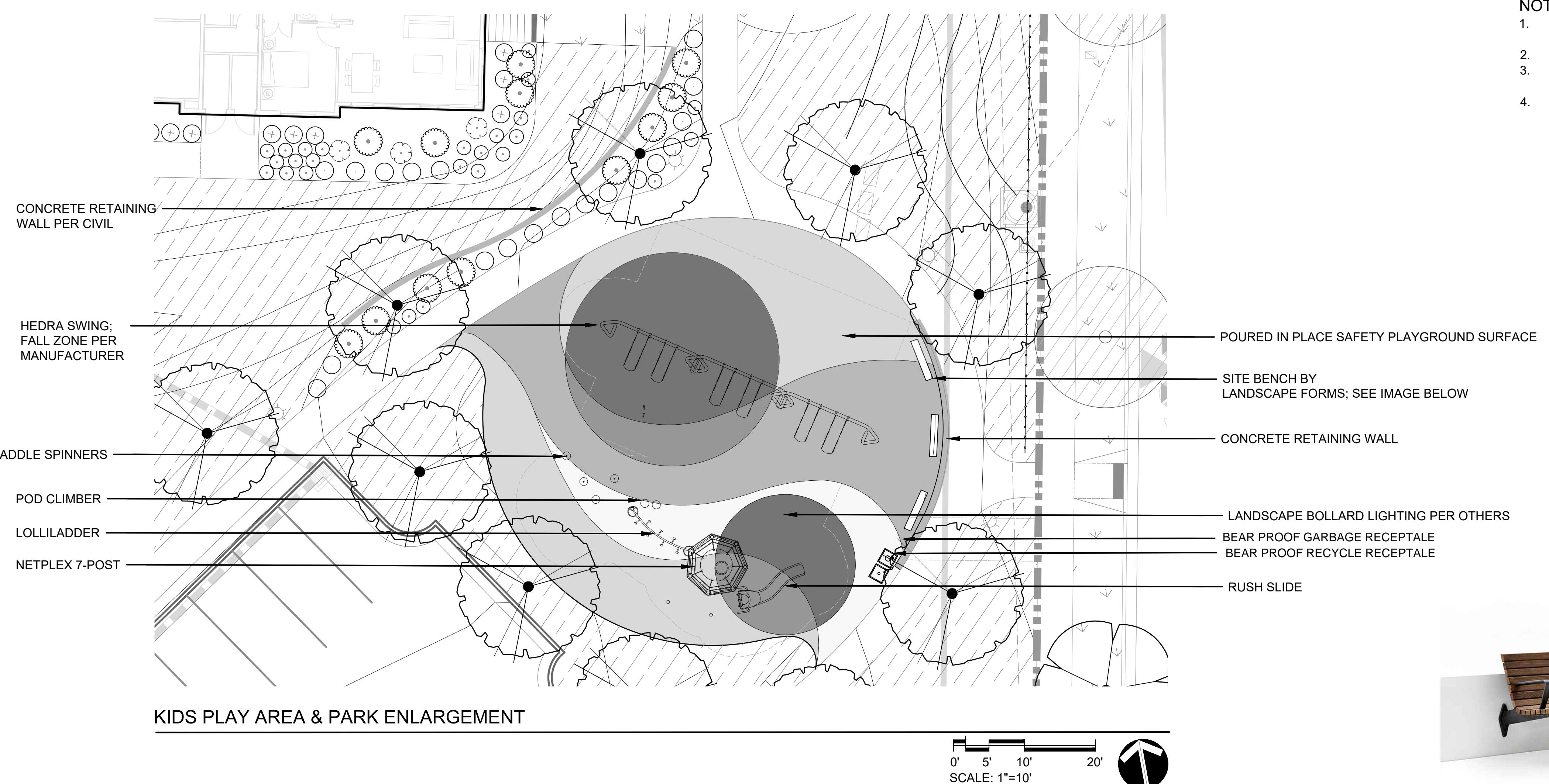


IMAGE EXAMPLES



Landscape Structures Model #278557



Landscape Structures Model #152179



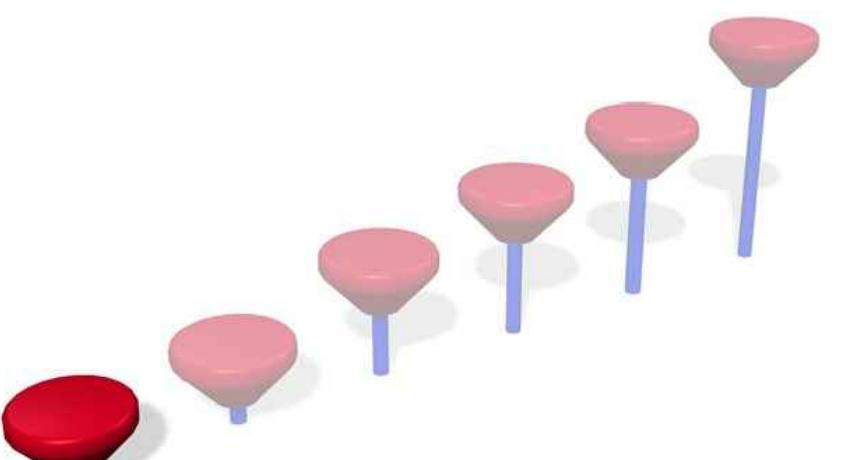
Landscape Structures Model #193170



Landscape Structures Model #193168 / Model #194659



Landscape Structures Model #183176



Landscape Structures Model #120710

## HAYMEADOW DEVELOPMENT

RMF-1 &amp; 2, Phase 1 Development

Eagle, CO

 PROJECT NUMBER: Project #19133 DATE: 04.19.22  
 DESIGNED: AF DRAWN: SH CHECKED: AF

REVISIONS: RESPONSE TO TOWN COMMENTS

JOB DESCRIPTION: MAJOR DEVELOPMENT PERMIT

SHEET TITLE:

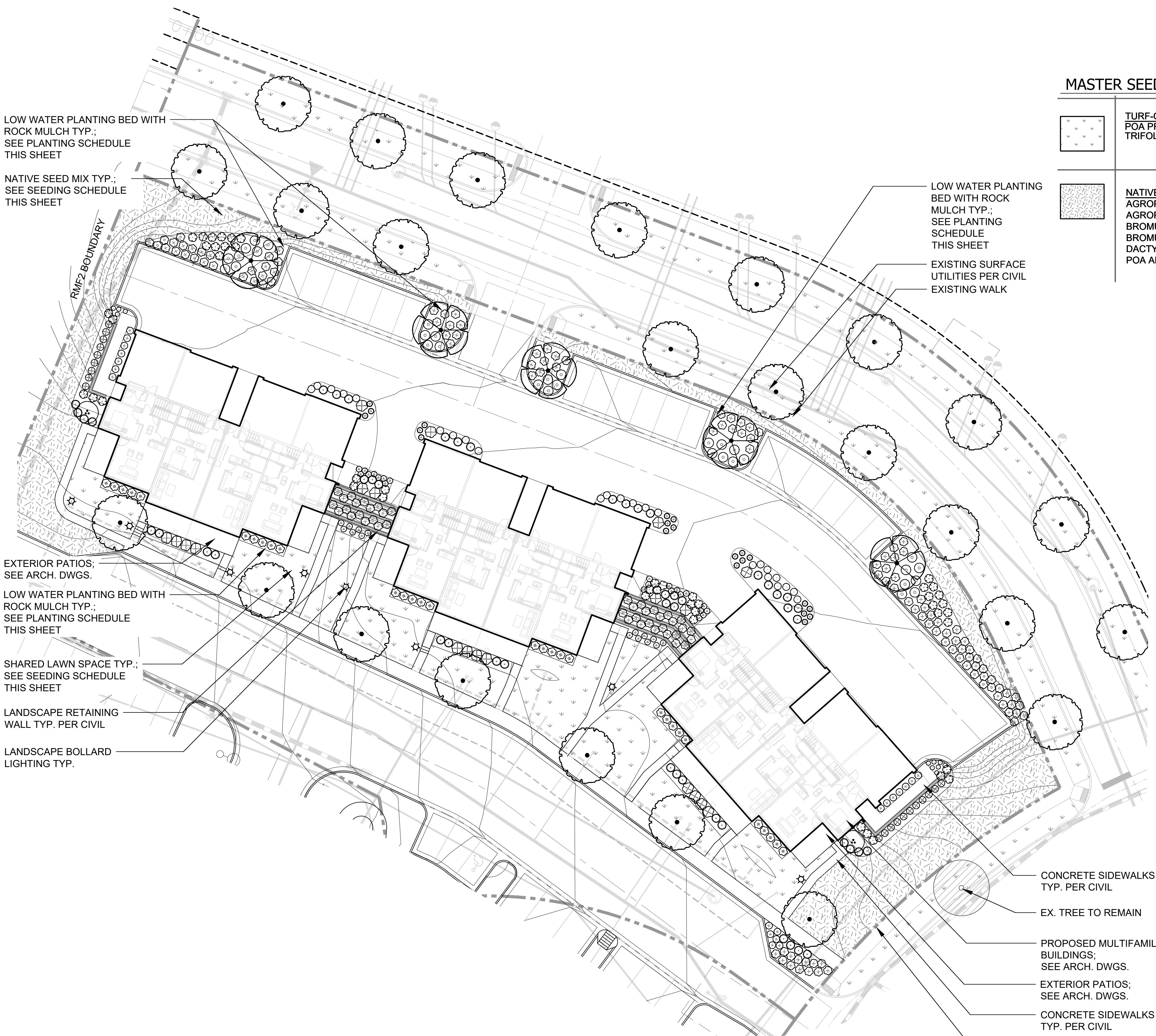
RMF-2 LANDSCAPE PLAN

SCALE:

SHEET NUMBER:

L-1.2

SHEET 3 OF 6



RMF2 LANDSCAPE ENLARGEMENT PLAN

SCALE: 1"=20'

## MASTER SEEDING AND SOD SCHEDULE FOR RMF-2

	TURF-CLOVER SEED MIX POA PRATENSIS / KENTUCKY BLUEGRASS TRIFOLIUM REPENS / WHITE CLOVER	ACRES	FILL 50% 50%	RATE 2 lbs PLS PER AC 2 lbs PLS PER AC 4 lbs PLS PER AC	POUNDS .54 lbs .54 lbs 1.08 lbs
TOTAL	.27 AC	100%			

	NATIVE SEED MIX AGROPYRON PASCOPYRUM 'ARRIBA' / WESTERN WHEATGRASS AGROPYRON RIPARIUM / STREAMBANK WHEATGRASS BROMUS COMMUTATUS / MEADOW BROMEGRASS BROMUS MARGINATUS / MOUNTAIN BROME DACTYLIS GLomerata / ORCHARD GRASS POA ALPINA / ALPINE BLUEGRASS	ACRES	FILL 10% 10% 20% 20% 20% 20%	RATE 2.65 lbs PLS PER AC 2.65 lbs PLS PER AC 5.30 lbs PLS PER AC 5.30 lbs PLS PER AC 5.30 lbs PLS PER AC 5.30 lbs PLS PER AC	POUNDS .27 lbs .27 lbs .53 lbs .53 lbs .53 lbs .53 lbs
TOTAL	.10 AC	100%			

## PLANT SCHEDULE FOR RMF-2

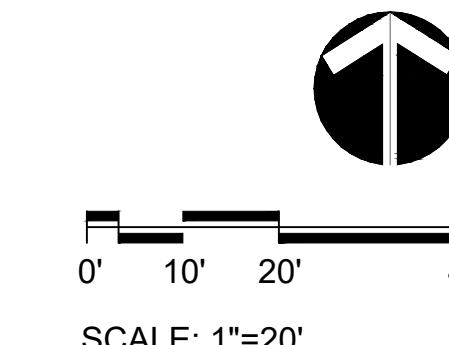
TREES	BOTANICAL / COMMON NAME	CONT	QTY
○	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry	B & B, Multi-stem	2
○	Celtis occidentalis / Common Hackberry	3" Cal B&B	5
○	Celtis occidentalis EXISTING / Common Hackberry	EXISTING	1
○	Tilia americana / American Linden	3" Cal B&B	25
SHRUBS	BOTANICAL / COMMON NAME	CONT	QTY
○	Berberis x 'Ballse' TM / Golden Carousel Barberry	#5 Cont.	30
○	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#1 Cont.	20
○	Caryopteris x clandonensis 'Blue Mist' / Blue Mist Bluebeard	#5 Cont.	50
○	Cornus sericea 'Farrow' TM / Arctic Fire Red Twig Dogwood	#5 Cont.	22
○	Eriogonum umbellatum / Sulfurflower Buckwheat	#1 Cont.	21
○	Mirabilis multiflora / Colorado Four O'Clock	#1 Cont.	37
○	Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass	#1 Cont.	20
○	Physocarpus opulifolius 'Monlo' TM / Diabolo Ninebark	#5 Cont.	46
○	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	#5 Cont.	137
○	Salvia yangii / Russian Sage	#5 Cont.	32
○	Syringa pubescens patula 'Miss Kim' / Miss Kim Korean Lilac	#5 Cont.	20
ORNAMENTAL GRASSES	BOTANICAL / COMMON NAME	CONT	QTY
○	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	#1 Cont.	24
○	Festuca glauca 'Elijah Blue' / Elijah Blue Fescue	#1 Cont.	11

## SITE LIGHTING LEGEND

## NOTES:

LANDSCAPE BOLLARD LIGHTING;  
FINAL LIGHT FIXTURE TO BE  
DETERMINED AND COORDINATED  
WITH LIGHTING DESIGNER

1. REFER TO CIVIL DWGS. FOR ALL PROPOSED GRADING AND DRAINAGE.



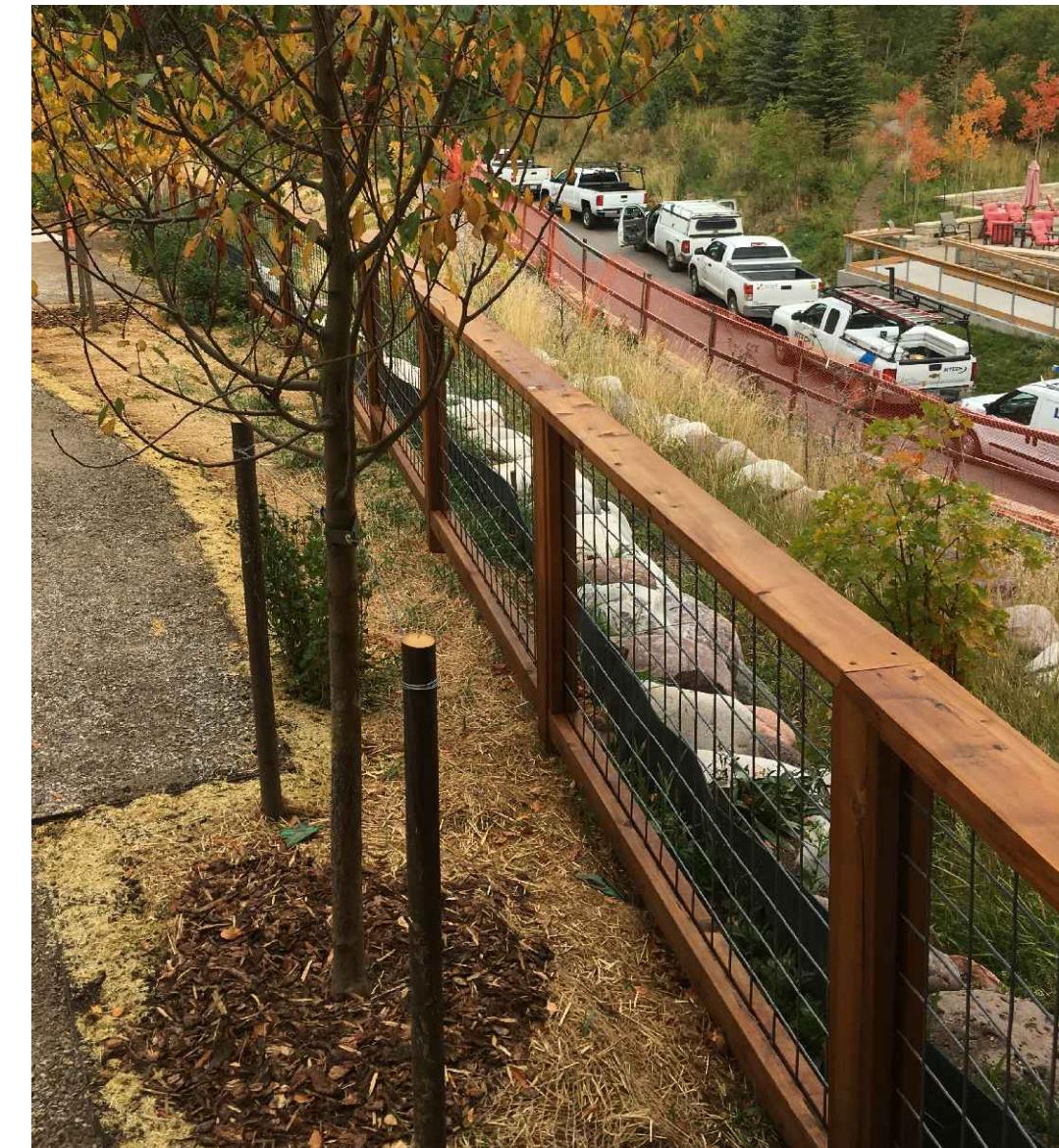


PARK FENCING: TWO RAIL CEDAR SPLIT RAIL FENCING CHARACTER IMAGE

2

L-1.3

SCALE: NTS



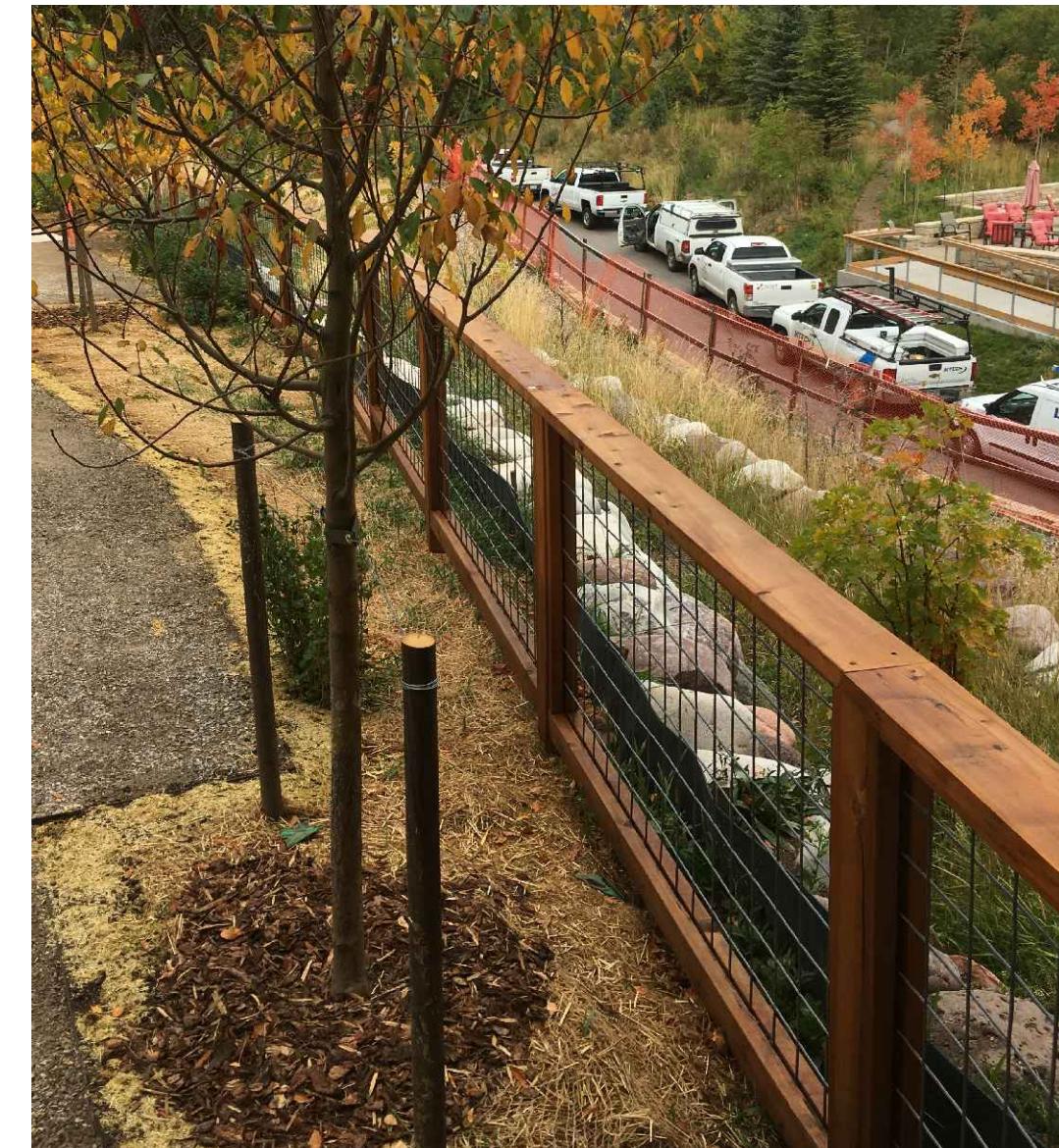
1 DOG PARK FENCING ELEVATION

1

L-1.3

SCALE: 1"= 1'-0"

CHARACTER IMAGES



## NOTES:

1. FINAL FENCE ELEVATION AND DETAILING TO BE DESIGNED DURING BUILDING PERMIT.
2. FINAL WOOD TYPE AND FINISH TO BE DETERMINED.

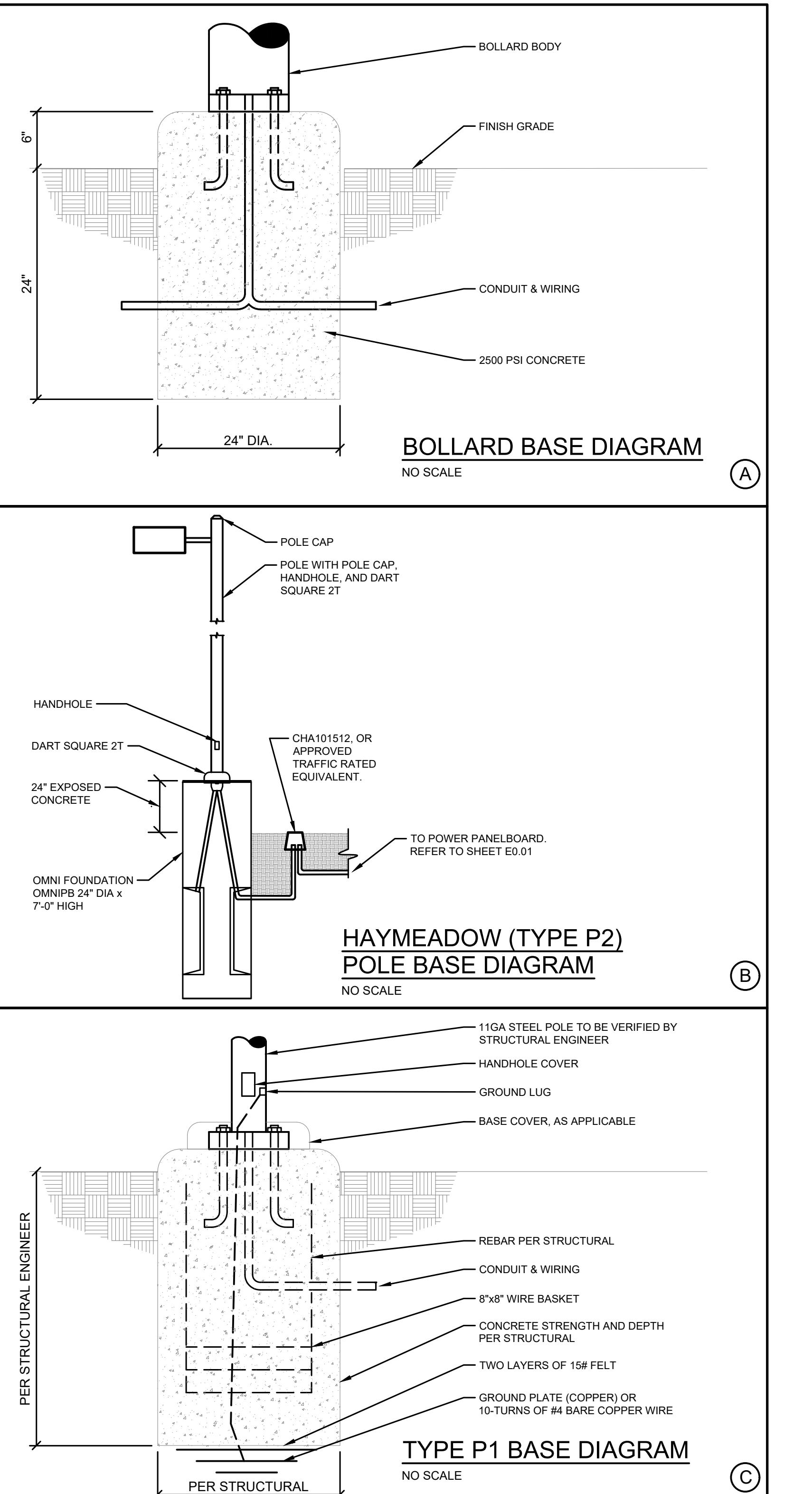
 PROJECT NUMBER: Project #19133 DATE 04.19.22  
 DESIGNED: AF DRAWN: SH CHECKED: AF

REVISIONS: RESPONSE TO TOWN COMMENTS

 JOB DESCRIPTION: MAJOR DEVELOPMENT PERMIT  
 SHEET TITLE:

 SITE DETAILS  
 SCALE:  
 SHEET NUMBER:

L-1.3



## ELECTRICAL SYSTEMS LEGEND

NOTE:  
ALL SYMBOLS SHOWN ON LEGEND ARE  
NOT NECESSARILY USED.

LIGHTING FIXTURE SYMBOLS		ABBREVIATIONS	
	RECESSED LIGHTING FIXTURE	AFC	- ABOVE FINISHED CEILING
	DIRECTIONAL/ADJUSTABLE RECESSED LIGHTING FIXTURE	AFF	- ABOVE FINISHED FLOOR
	SURFACE MOUNTED LIGHT	AFG	- ABOVE FINISHED GRADE
	PENDANT MOUNTED LIGHT	AHJ	- AUTHORITY HAVING JURISDICTION
	WALL MOUNTED LIGHT	AL	- ALUMINUM
	WALL MOUNTED UP-LIGHT	AP	- ACCESS POINT
	MONO-POINT LIGHTING FIXTURE	AWG	- AMERICAN WIRE GAUGE
	RECESSED STEP LIGHT	BAS	- BUILDING AUTOMATION SYSTEM
	FLUORESCENT STRIP LIGHT	BFG	- BELOW FINISH GRADE
	WALL MOUNTED LINEAR FLUORESCENT LIGHT	BMS	- BUILDING MANAGEMENT SYSTEM
	RECESSED OR SURFACE MOUNTED FLUORESCENT TROFFER	C	- CONDUIT
	FIXTURE WITH EMERGENCY BACKUP OR ON EM CIRCUIT	CATV	- COMMUNITY (CABLE) ANTENNA TELE
	CEILING MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN	CCTV	- CLOSED CIRCUIT TELEVISION
	WALL MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN	CKT	- CIRCUIT
	WALL MOUNTED COMBO EXIT SIGN/ EGRESS LIGHT	CPU	- CENTRAL PROCESSING UNIT
	EMERGENCY LIGHTS	CT	- CURRENT TRANSFORMER
	EXTERIOR POLE MOUNTED LIGHT	DISP	- GARBAGE DISPOSAL
	EXTERIOR POST (BOLLARD) MOUNTED LIGHT	DW	- DISHWASHER
	CEILING FAN	(E)	- EXISTING
	CEILING FAN WITH LIGHT	EM	- EMERGENCY
LIGHTING CONTROL SYMBOLS		EWC	- ELECTRIC WATER COOLER
	WALL MOUNTED SWITCH	FA	- FIRE ALARM
	THREE-WAY SWITCH	FACP	- FIRE ALARM CONTROL PANEL
	FOUR-WAY SWITCH	FBO	- FURNISHED BY OTHERS
	DOOR JAMB SWITCH	GC	- GENERAL CONTRACTOR
	KEY SWITCH	GFI	- GROUND FAULT CIRCUIT INTERRUPT
	DIMMER SWITCH	GRD	- GROUND
	WALL MOUNTED DEVICE	IAW	- IN ACCORDANCE WITH
	WIRELESS WALL MOUNTED DEVICE	IC	- INTERMEDIATE CROSS-CONNECT
	ROOM CONTROLLER	IDF	- INTERMEDIATE DISTRIBUTION FRAM
	PLUG LOAD CONTROLLER	IG	- ISOLATED GROUND
	OCCUPANCY/VACANCY PROGRAMMED SENSOR - CEILING MOUNTED	IR	- INFRARED
	WIRELESS OCCUPANCY/VACANCY PROGRAMMED SENSOR - CEILING MOUNTED	LAN	- LOCAL AREA NETWORK
	OCCUPANCY/VACANCY PROGRAMMED SENSOR - CORNER MOUNTED	MDF	- MAIN DISTRIBUTION FRAME
	WIRELESS OCCUPANCY/VACANCY PROGRAMMED SENSOR - CORNER MOUNTED	(N)	- NEW
	DAYLIGHT PHOTO SENSOR	NIC	- NOT IN CONTRACT
	WIRELESS DAYLIGHT PHOTO SENSOR	NL	- NIGHT LIGHT
LIGHTING DRAWING SYMBOLS		NTS	- NOT TO SCALE
	ALIGNMENT LINE	OC	- ON CENTER
	CENTER LINE DESIGNATION	PA	- PUBLIC ADDRESS
	OBJECT	REF	- REFRIGERATOR
		SPD	- SURGE PROTECTION DEVICE
		T	- TAMPER RESISTANT
		TTB	- TELECOMMUNICATIONS TERMINAL E
		TVSS	- TRANSIENT VOLTAGE SURGE SUPP
		TVTB	- TELEVISION TERMINAL BOARD
		UG	- UNDERGROUND
		UNO	- UNLESS NOTED OTHERWISE
		V	- VOLT
		W	- WATT
		WAN	- WIDE AREA NETWORK
		WAP	- WIRELESS ACCESS POINT
		WLAN	- WIRELESS LOCAL AREA NETWORK
		WP	- WEATHERPROOF
		XP	- EXPLOSIONPROOF
		+18"	- MOUNTING HEIGHT TO CENTERLINE DEVICE ABOVE FINISH FLOOR (VERI

## ELECTRICAL SHEET INDEX

#	TITLE	DATE	MAJOR DEV/E MDP RESUBM
E0.00	ELECTRICAL COVER SHEET	✓ ✓	
E0.01	ELECTRICAL ONE-LINE DIAGRAMS		✓
E0.02	ELECTRICAL LIGHTING FIXTURE CUTSHEETS	✓ ✓	
E0.03	ELECTRICAL LIGHTING FIXTURE CUTSHEETS	✓ ✓	
E1.00	SITE LIGHTING PLAN	✓ ✓	

## GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK.
2. REVIEW CIVIL, LANDSCAPE ARCHITECT, AND OTHER DRAWINGS PRIOR TO BID.
3. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE OWNER.
4. WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
5. PROVIDE PERMITS AND INSPECTIONS REQUIRED.
6. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.
7. VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO 90 PERCENT COMPACTION AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. ELECTRICAL CONTRACTOR IS TO SUBMIT A COMPLETE CONSTRUCTION DRAWING SET TO THE ELECTRICAL UTILITY COMPANY WITHIN 10 DAYS OF AWARD OF CONTRACT. COORDINATE TIMELINE OF THEIR REVIEW, APPROVAL, CONSTRUCTION SCHEDULING AND INSTALLATION OF THE UTILITY TRANSFORMER WITH THE UTILITY COMPANY. NOTIFY OWNER OF ANY SCHEDULING CONFLICTS.
8. VERIFY EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
9. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO INSTALLATION.
10. FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.
12. ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY.
13. ALL WIRING SHALL BE INSTALLED IN LISTED SCHEDULE 80 PVC RACEWAYS, UNLESS NOTED OTHERWISE. CONNECTORS SHALL BE INSULATED THROAT TYPE. MINIMUM RACEWAY SIZE IS 1". ALL FEEDERS SHALL BE INSTALLED IN RACEWAY CONFIGURATIONS SHOWN ON ONE-LINE. BRANCH CIRCUITS 25A AND LARGER SHALL BE INSTALLED IN INDIVIDUAL RACEWAYS. BRANCH CIRCUITS 20A AND SMALLER MAY BE GROUPED INTO RACEWAYS AS TO NOT EXCEED 6 CURRENT-CARRYING 75-DEGREE CONDUCTORS, OR 9 CURRENT-CARRYING 90-DEGREE CONDUCTORS, IN A SINGLE RACEWAY. METAL CLAD CABLE IS NOT PERMITTED.
14. ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A 200LB NYLON PULL STRING OR EQUAL, AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION, AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
15. WIRE SHALL BE COPPER, 75 DEGREE CELSIUS RATED FOR GENERAL USE. SIZES INDICATED ARE FOR INSTALLATION IN A MAXIMUM 30 DEGREE CELSIUS AMBIENT. CONDUCTOR AMPACITY SHALL BE DERATED FOR HIGHER AMBIENT INSTALLATIONS.
16. PROVIDE NEW PANELBOARD DIRECTORIES FOR NEW CIRCUITS BEING UTILIZED FOR COMPLETION OF PROJECT.
17. PANEL DIRECTORIES SHALL BE REMOVABLE. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.
18. SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
19. GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.
20. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, CONTROLS, EQUIPMENT, ETC. SHALL BE CONNECTED AND OPERABLE.
21. FOR ALL EXTERIOR CONDUCTOR SPLICES IN JUNCTION BOXES, PULL BOXES, OR IN LIGHTING FIXTURE POLES, PROVIDE WEATHERPROOF SPLICE KIT OR WATERPROOF WIRENUTS. MAKE CONNECTIONS OR SPLICES TO ENSURE THAT NO METAL CONDUCTOR IS EXPOSED TO CORROSION.

## NOTES:

LIGHT LINEWEIGHT INDICATES EXISTING.   
HATCHED AREAS INDICATE DEMOLITION.   
'C' ADJACENT TO A DEVICE INDICATES 

SITE LUMINAIRE SCHEDULE												
TYPE	DESCRIPTION	MOUNTING	MOUNTING HEIGHT	LAMPS			INPUT WATTS	VOLT	BUG RATING	MANUFACTURER	CATALOG NUMBER	SPECIFIC NOTES
				QTY	TYPE	LUMENS						
B1	24" LED BOLLARD ON 6" BASE, CROWNED TOP, NO UP-LIGHT OPTIC, TYPE III DISTRIBUTION WITH HOUSE-SIDE SHIELD, DARK BRONZE FINISH	CONCRETE BOLLARD BASE	30"	--	LED	1037	22	UNV	B0-U0-G0	KIM LIGHTING	PA7R-CT-NU-3HS-12L-020-3K7-24A-DBS-UNV	1,6
P1	(RMF-1) LED AREA LIGHT, 15' POLE	CONCRETE POLE BASE	15'	-	LED	1855	16	240	B1-U0-G1	BEGA	99 402 BRZ 3000K	8
P2	(INTERSECTIONS) LED STREET LIGHT, 20' POLE ON 2' BASE, TYPE III DISTRIBUTION WITH HOUSE-SIDE SHIELD, POLYCARBONATE LENS, INTEGRAL PHOTOCELL, DARK BRONZE FINISH	CONCRETE POLE BASE	22'	--	LED	2256	54	240	B0-U0-G0	KIM LIGHTING	1A-CCS17A2-36L-465-3K7-3-PL-DBS-UNV-BC	2,3,4,5
W1	WALL MOUNTED DECORATIVE LANTERN ON BUILDING	WALL	6'-6"	-	LED	500	6	120	B0-U0-G1	HINKLEY	1784SK-LL	
W2	WALL MOUNTED CYLINDER DOWNLIGHT ON BUILDING	WALL	6-6" UNO	-	LED	800	16	120	B1-U1-G0	WAC LIGHTING	WS-W2605	7



# HAYMEADOW DEVELOPMENT RMF-1 & 2, MAJOR DEVELOPMENT PERMIT EAGLE, CO

DESIGNED	TLN	NO.	DATE	REVISIONS
DRAWN	TLN			
CHECKED	ARC			
JOB NO.	10011.03			
DATE	04/22/2022			

# HAYMEADOW DEVELOPMENT RMF-1 & 2, MAJOR DEVELOPMENT PERMIT EAGLE, CO

SERVICE WIRING SCHEDULE						
AMPS	FWD	COPPER				
		10, 3 WIRE	C.E.C.	G. RING	G. ROD	
30	(3W) 1°C	#8 CU	#8 CU	#8 CU	#8 CU	

CONDUIT SIZES ARE BASED ON NEC TABLE 4 (IRC) AND TABLE 5 (THIN INSULATION).  
ABBREVIATIONS: C.E.C. - CONCRETE ENCASED ELECTRODE; G. RING - GROUND RING; G. ROD - GROUND ROD; PIPE OR PLATE ELECTRODE

WIRING SCHEDULE - COPPER						
AMPS	FWD	10, 2 WIRE, GROUND				
		10, 3 WIRE, GROUND OR 30, 3 WIRE, GROUND	(3W) 1°C	(3W) 100°C	(3W) 180°C	(3W) 1°C*
20	(3W) 1 & 180°C 1°C*	(3W) 100°C	(3W) 180°C	(3W) 100°C	(3W) 180°C	(3W) 1°C*

\*CONDUCTORS UPSIZED FOR VOLTAGE DROP CONSIDERATIONS.  
CONDUCTOR SIZES ARE BASED ON 60° TERMINATIONS LESS THAN 100A AND 70° TERMINATIONS GREATER THAN 100A.  
CONDUIT SIZES ARE BASED ON NEC TABLE 4 (IRC) AND TABLE 5 (THIN INSULATION).

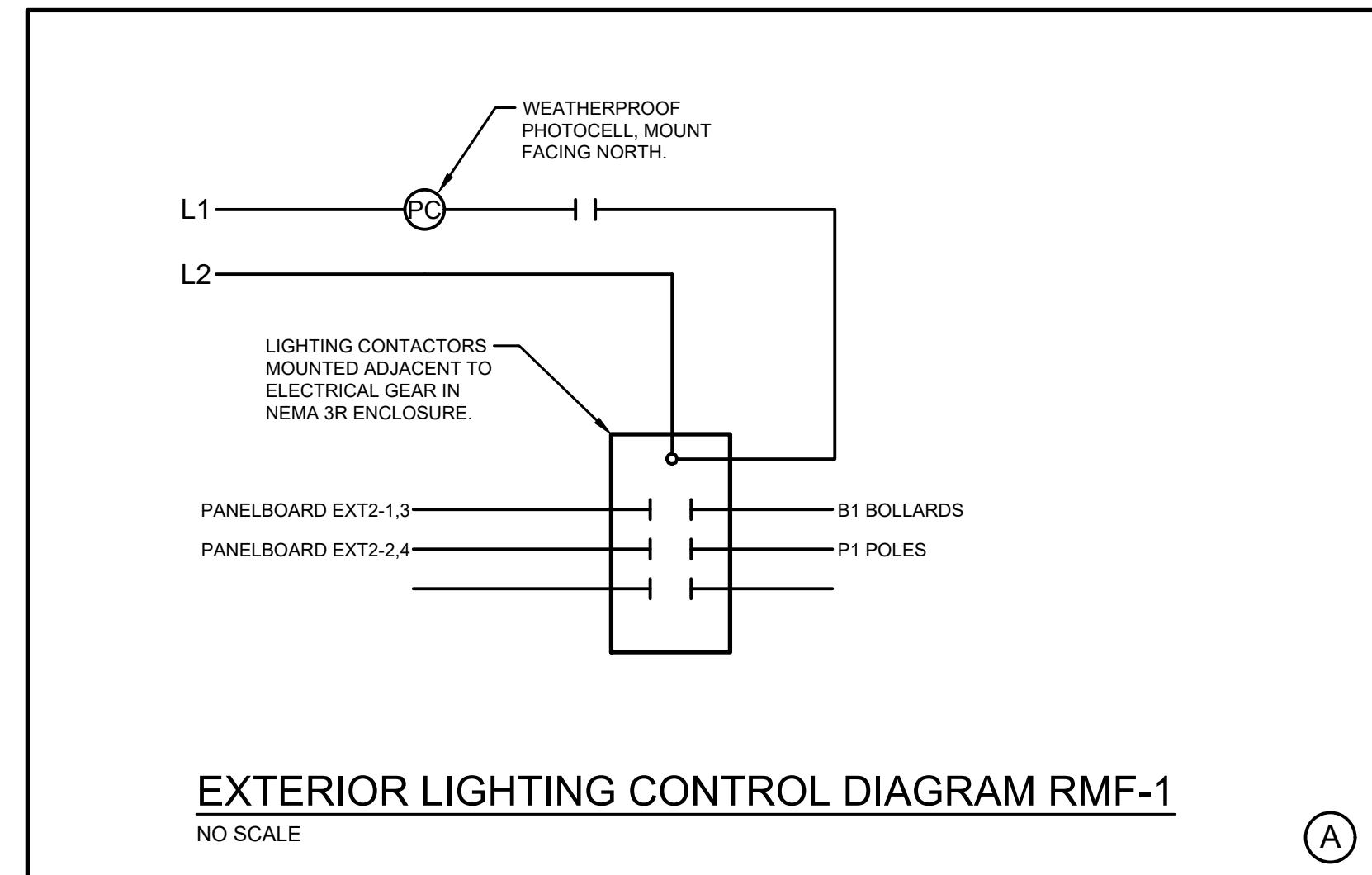
TYPE P2 SHORT CIRCUIT / VOLTAGE DROP CALCULATION SUMMARY								
POINT	TAG	VOLTAGE / PHASE	LENGTH (FT)	COPPER / ALUMINUM	CONDUIT	WIRE SIZE	# OF SETS	FEEDER VOLTAGE DROP (%)
F1	xfrm	240V, 1Ø	8	C	N	8	1	0.0%
F2	fixture 1	240V, 1Ø	872	C	N	8	1	1.2%
F3	fixture 2	240V, 1Ø	55	C	N	8	1	0.1%
F4	fixture 3	240V, 1Ø	694	C	N	8	1	1.3%
F5	fixture 4	240V, 1Ø	55	C	N	8	1	0.0%
F6	fixture 5	240V, 1Ø	323	C	N	8	1	0.7%
F7	fixture 6	240V, 1Ø	263	C	N	8	1	0.1%
F8	fixture 7	240V, 1Ø	421	C	N	8	1	1.4%
F9	fixture 8	240V, 1Ø	121	C	N	8	1	0.0%
F10	fixture 9	240V, 1Ø	486	C	N	8	1	1.3%

PANEL:		EXT1		VOLTAGE:		120/240V, 1PH, 3W	
LOCATION:		ADJACENT TO XFMER		MINIMUM BUS:		100	
MOUNTING:		SURFACE		MAIN:		30/2 CB	
NO	LOAD	A	B	TYPE	LOAD DESCRIPTION	BUS	TRIP POLE
1	143	L	B1 BOLLARDS	2	20	*	20
3	231	L	B1 BOLLARDS (2)	2	20	*	20
5	100	E	IRRIGATION CNTRL	1	20	*	1
7			SPARE	1	20	*	1
9			SPARE	1	20	*	1
11			SPARE	1	20	*	1
13			SPARE	1	20	*	1
15			SPARE	1	20	*	1
17			SPARE	1	20	*	1

GENERAL NOTES:  
 A. PROVIDE NEMA 3R ENCLOSURE.  
 B. PANEL SHALL BE SERVICE ENTRANCE RATED.  
 C. 100% OF PANEL.  
 D. 25% OF PANEL.  
 E. 0% OF PANEL.  
 F. 100% OF PANEL.  
 G. 100% OF PANEL.  
 H. 100% OF PANEL.  
 I. 100% OF PANEL.  
 J. 100% OF PANEL.  
 K. 100% OF PANEL.  
 L. 100% OF PANEL.  
 M. 100% OF PANEL.  
 N. 100% OF PANEL.  
 O. 100% OF PANEL.  
 P. 100% OF PANEL.  
 Q. 100% OF PANEL.  
 R. 100% OF PANEL.  
 S. 100% OF PANEL.  
 T. 100% OF PANEL.  
 U. 100% OF PANEL.  
 V. 100% OF PANEL.  
 W. 100% OF PANEL.  
 X. 100% OF PANEL.  
 Y. 100% OF PANEL.  
 Z. 100% OF PANEL.

SPECIFIC NOTES:  
 (1) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (2) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (3) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (4) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (5) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (6) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (7) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (8) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (9) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (10) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (11) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (12) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (13) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (14) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (15) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (16) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (17) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.

PANEL TOTAL (KVA): 1.2  
 PANEL TOTAL (A): 5



T-RMF-1 SHORT CIRCUIT / VOLTAGE DROP CALCULATION SUMMARY								
POINT	TAG	VOLTAGE / PHASE	LENGTH (FT)	COPPER / ALUMINUM	CONDUIT	WIRE SIZE	# OF SETS	FEEDER VOLTAGE DROP (%)
X1.1	xfrm	240V, 1Ø	8	C	N	8	1	0.0%
X1.2	EXT1	240V, 1Ø	70	C	N	10	1	0.3%

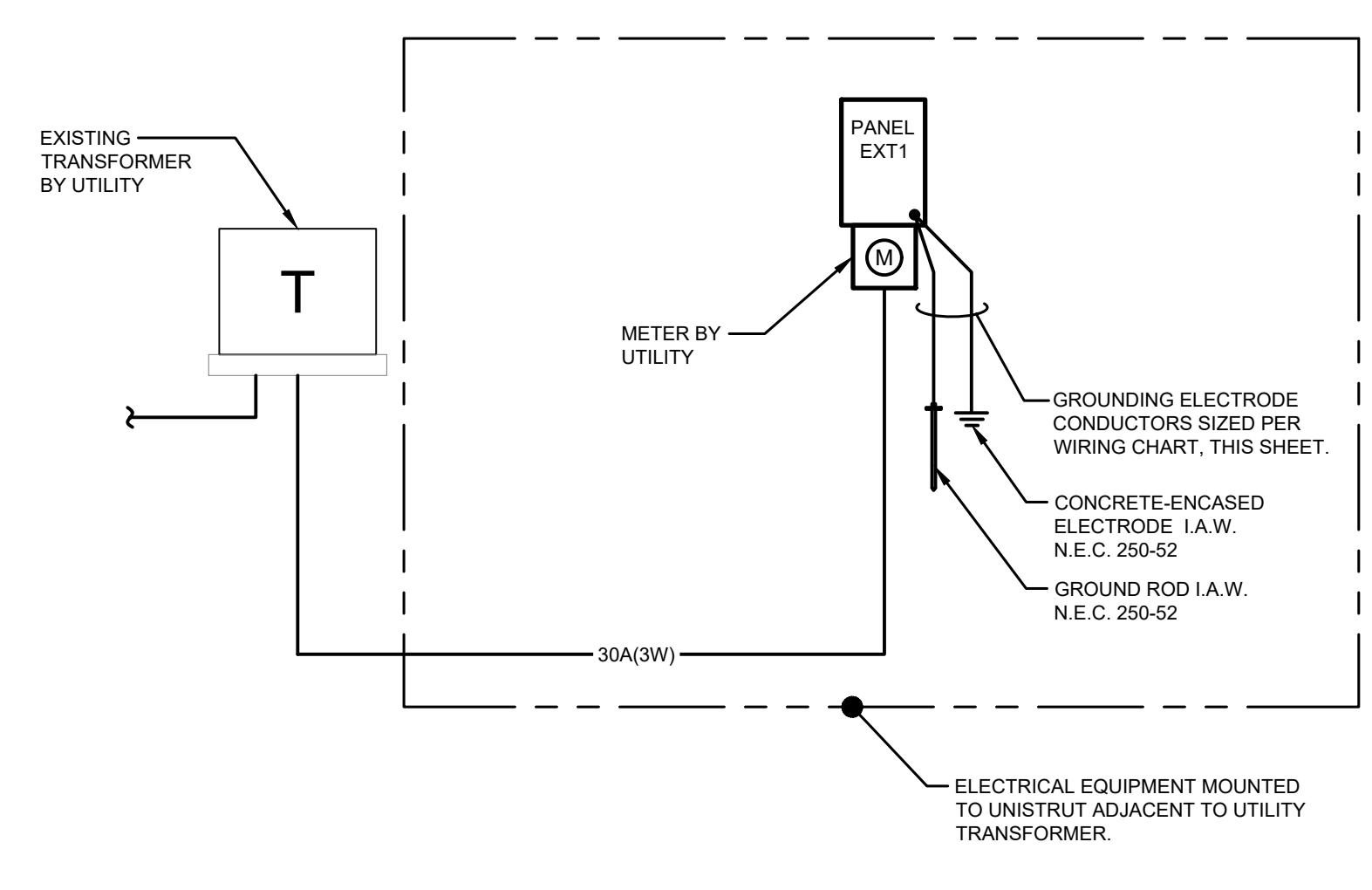
\*\* PER THE UTILITY, THE MAXIMUM AVAILABLE (SYMMETRICAL) FAULT AT THE SECONDARY SIDE OF THE SERVICE TRANSFORMER IS 49,400 AMPS. ASSUMING A 167 KVA TRANSFORMER, SHORT CIRCUIT CALCULATIONS ARE FURNISHED FOR ALL FAULT LEVELS ABOVE 10,000 AMPS @ 240 VOLTS. ANY FAULT CURRENT BELOW THIS LEVEL IS CONSIDERED SAFE FOR THE ELECTRICAL SYSTEM TO CLEAR OR EQUIPMENT IS BUILT TO WITHSTAND THIS LEVEL OF FAULT SAFELY.

PANEL:		EXT3		VOLTAGE:		120/240V, 1PH, 3W	
LOCATION:		ADJACENT TO XFMER		MINIMUM BUS:		100	
MOUNTING:		SURFACE		MAIN:		30/2 CB	
NO	LOAD	A	B	TYPE	LOAD DESCRIPTION	BUS	TRIP POLE
1	231	L	B1 BOLLARDS (2)	2	20	*	20
3	231	L	B1 BOLLARDS (2)	2	20	*	20
5		E	IRRIGATION CNTRL	1	20	*	1
7			SPARE	1	20	*	1
9			SPARE	1	20	*	1
11			SPARE	1	20	*	1
13			SPARE	1	20	*	1
15			SPARE	1	20	*	1
17			SPARE	1	20	*	1

GENERAL NOTES:  
 A. PROVIDE NEMA 3R ENCLOSURE.  
 B. PANEL SHALL BE SERVICE ENTRANCE RATED.  
 C. 100% OF PANEL.  
 D. 25% OF PANEL.  
 E. 0% OF PANEL.  
 F. 100% OF PANEL.  
 G. 100% OF PANEL.  
 H. 100% OF PANEL.  
 I. 100% OF PANEL.  
 J. 100% OF PANEL.  
 K. 100% OF PANEL.  
 L. 100% OF PANEL.  
 M. 100% OF PANEL.  
 N. 100% OF PANEL.  
 O. 100% OF PANEL.  
 P. 100% OF PANEL.  
 Q. 100% OF PANEL.  
 R. 100% OF PANEL.  
 S. 100% OF PANEL.  
 T. 100% OF PANEL.  
 U. 100% OF PANEL.  
 V. 100% OF PANEL.  
 W. 100% OF PANEL.  
 X. 100% OF PANEL.  
 Y. 100% OF PANEL.  
 Z. 100% OF PANEL.

SPECIFIC NOTES:  
 (1) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (2) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (3) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
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 (15) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (16) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.  
 (17) COORDINATE MINIMUM AIC WITH MAXIMUM FAULT.

PANEL TOTAL (KVA): 0.6  
 PANEL TOTAL (A): 2







# HAYMEADOW DEVELOPMENT RMF-1 & 2, MAJOR DEVELOPMENT PERMIT EAGLE, CO

**KIM LIGHTING®**  
**CC17A2/P2**  
ARCHITECTURAL AREA/SITE

TYPE P2  
DATE: LOCATION:  
TYPE: PROJECT:  
CATALOG #:

### Curvilinear



#### FEATURES

- TIR Optics
- Patented low profile luminaire
- Available in 595mm, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 4W, 5QM, 5QM, 5R, 5W distributions
- 0-10V dimming drivers standard
- IP66 optic assembly
- UL Listed
- CSA Certified
- 3000K and warmer CCTs only

#### SPECIFICATIONS

- One piece non die-cast housing, low copper (0.6% Cu) Aluminum Alloy with integral controls and optics over the optical chamber and electrical components
- Double-thick wall with gussets on the support-arm mounting end
- Housing features a half cylinder with 55° front face and pre-drilled holes to receive a low profile lens in-situ detail
- All hardware is stainless steel or electro-zinc plated steel
- Fine edge fade and abrasion resistant, electrocoat applied, thermally cured, trifunctional (acrylate/TEGIC) polyester powdercoat
- One-piece die-cast heat sink with 1" minimum depth around the gasket flange
- Optional clear 1/8" thick tempered glass lens retained by eight steel clips with full silicone gasket
- Optional fixture supplied with a one piece flat clear, UV stabilized polycarbonate, fully gasketed, replacing the standard tempered glass lens. The flat clear fixture is designed for vocation and is anticipated to be high. Useful life is limited by UV discoloration from sunlight. A protective cover is recommended. Periodic replacement is highly recommended to maintain optimum fixture performance
- One-piece die-cast aluminum arm with internal bolts and fully adjustable to 90° internal draw bolts, and includes a pole reinforcing plate with wire strain relief
- Arm is circular cut for specified round pole

**KIM LIGHTING®**  
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TYPE P2  
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**CC17A2/P2**  
ARCHITECTURAL AREA/SITE

TYPE P2  
DATE: LOCATION:  
TYPE: PROJECT:  
CATALOG #:

#### ORDERING GUIDE

CATALOG # Example: 1A-CC17A2-36L-465-3K7-3-HDL-BLT-UNV-2.38

HOUSING		CCT/CRI	Distribution	Lens						
Mounting										
1A Single Arm	CC17A2	Three Groove (Arm)	36L-225	3,000K	AM <sup>1</sup>	Amber-595mm Peak	FR	Type IP67, Row	Blank	No Lens
1W Wall Mount	CC17P2	Three Groove (Post Top)	36L-465	6,000K	WT	3000K, 70 CRI	2	Type IP67, Row	CLR	Clear Lens
HSF Horizontal			36L-730	9,000K	WT	4000K, 70 CRI	3	Type IP67, Row	HDL <sup>2</sup>	Light Diffused Lens
PT Post Top					4	Type IP67, Row	4W	Type V Wide		
FM Flange Mount					5	Type IP67, Row	5QM	Type V Square Medium		
PT Post Top					6	Type IP67, Row	5QM	Type V Square Narrow		
					7	Type IP67, Row	5R	Type V Rectangle		
					8	Type IP67, Row	5W	Type V Wide (Round)		

#### RELATED PRODUCTS

8 Qore

8 Pavilion

8 PGLB

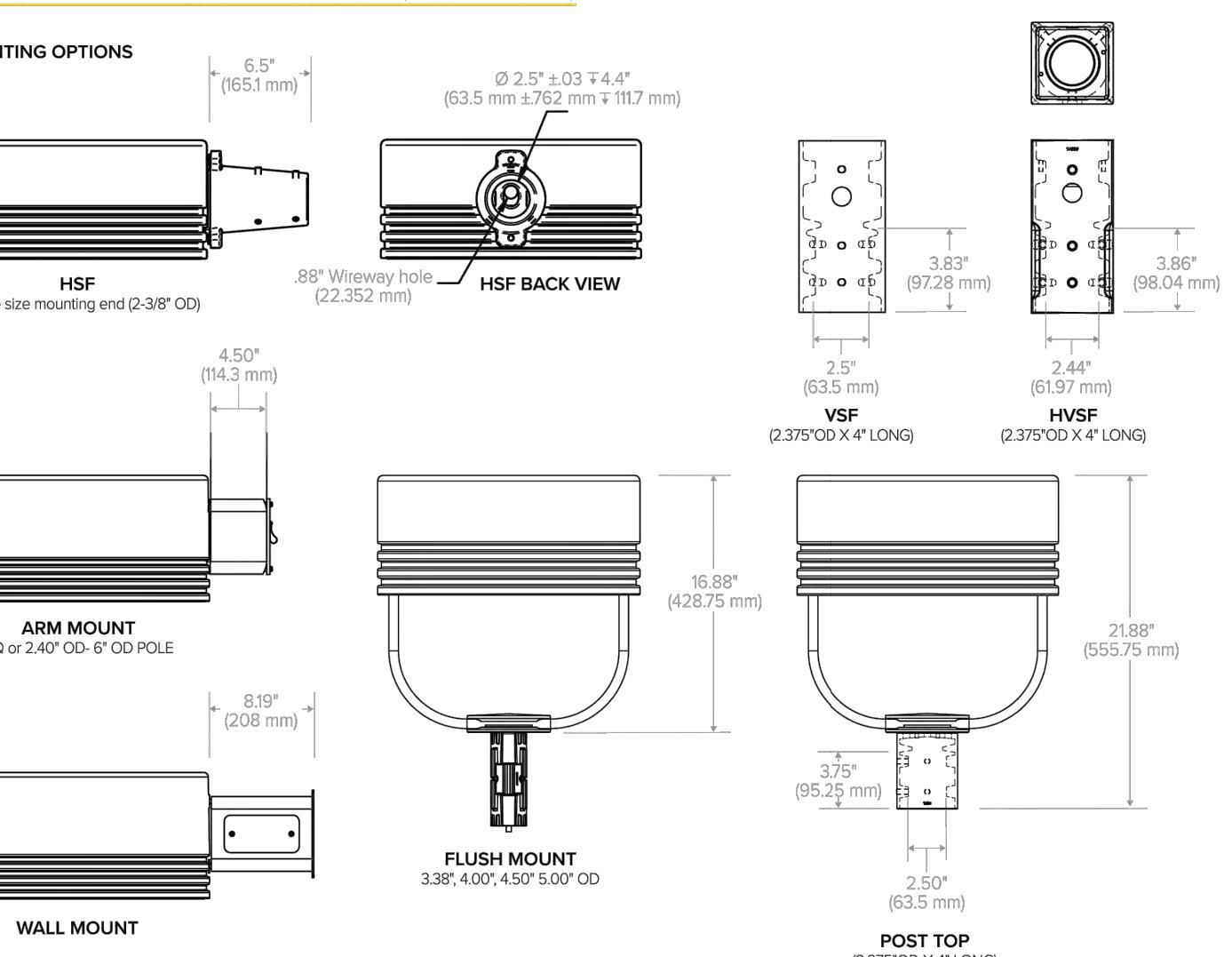
#### DELIVERED LUMENS

#### DIMENSIONAL DRAWINGS

**KIM LIGHTING®**  
**CC17A2/P2**  
ARCHITECTURAL AREA/SITE

TYPE P2  
DATE: LOCATION:  
TYPE: PROJECT:  
CATALOG #:

#### PRODUCT EXCEPTIONS & DETAILS (CONTINUED)



WALL MOUNT

POST TOP (2.375OD x 4" LONG)

**KIM LIGHTING®**  
**CC17A2/P2**  
ARCHITECTURAL AREA/SITE

TYPE P2  
DATE: LOCATION:  
TYPE: PROJECT:  
CATALOG #:

#### DELIVERED LUMENS (CONTINUED)

#### P LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI		4000K 70CRI		5000K 70CRI							
				Lumen	Bug Rating	Im/w	Lumen	Bug Rating	Im/w						
FR	2799	0	0	98.9	2867	0	101.3	3016	0	106.5					
FR-BC	1497	0	0	52.9	1534	0	54.2	1614	0	57.0					
2	2620	1	0	92.5	2683	1	0	99.7							
2-BC	176	0	0	41.5	1205	0	0	42.6	1268	0	0	44.8			
3	2656	0	0	92.2	2839	0	93.8	2939	0	95.0					
3-BC	172	0	0	41.4	1201	0	0	42.4	1254	0	0	44.7			
4	2580	0	0	91.1	2643	0	0	93.3	2795	0	0	98.2			
4-BC	149	0	0	50.8	1474	0	0	52.3	1541	0	0	54.8			
5	2647	0	0	92.0	2795	0	0	93.0	2863	0	0	95.1			
4W-BC	1049	0	0	57.1	1075	0	0	58.0	1131	0	0	59.9			
5R	28	1	0	1	95.8	2795	2	0	2	95.8	2852	2	0	2	100.8
5QM	2705	1	0	95.5	2770	1	0	97.8	299	1	0	103.0			
5W	2752	2	0	90.7	2898	0	0	99.5	2992	2	0	104.8			
FR	5256	1	0	98.5	538	1	0	100.8	5664	1	0	106.8			
FR-BC	2499	1	0	52.7	5039	1	0	54.0	5301	1	0	56.8			
2	2782	0	0	94.4	2831	0	0	94.4	2932	0	0	96.5			
3	2492	1	0	92.4	5051	1	0	92.6	5296	1	0	99.6			
3-BC	2203	0	0	41.3	2259	0	0	42.3	2374	0	0	44.5			
4	2485	1	0	90.8	5092	2	0	92.0	5221	1	0	97.8			
4-BC	1489	1	0	50.8	4803	1	0	52.0	5145	1	0	54.5			
5	2689	1	0	92.8	2795	0	0	94.0	2953	1	0	94.7			
4W-BC	1790	0	0	36.9	2090	0	0	37.8	2123	0	0	39.8			
5R	4970	2	0	2	931	5091	2	0	2	95.4	5356	3	0	3	100.3
5QM	5079	2	0	95.1	5202	2	0	97.4	5473	2	0	102.5			
5W	4979	0	0	56.6	5362	0	0	57.3	5520	0	0	59.3			
5N	5049	0	0	52.0	5088	0	0	52.0	5211	0	0	54.5			
5W	4867	3	0	1	91.2	4985	3	0	1	94.3	5245	3	0	1	98.3
5R	7896	1	0	1	93.9	8081	1	0	1	96.1	8503	1	0	1	101.1
4	3307	0	0	1	93.3	3387	0	0	1	94.3	3564	0	0	1	42.4
2	7885	0	0	50.2	4324	0	0	51.4	4324	0	0	54.1			
2-BC	3396	0	0	39.4	3396	0	0	40.4	3574	0	0	42.5			
3	7404	1	0	2	881	7583	1	0	2	90.2	7979	1	0	2	94.3
4	7273	0	0	2	86.5	7449	1	0	2	88.4	7838	1	0	2	93.2
4-BC	4546	0	0	48.1	4546	0	0	49.4	4546	0	0	50.7			
5	7039	1	0	2	83.7	7210	1	0	2	85.8	7598	1	0	2	90.2
4W-BC	2956	0	0	1	35.2	3030	0	0	1	36.0	3186	0	0	1	37.9
5R	7461	3	0	3	88.8	7642	3	0	3	90.9	8041	3	0	3	95.7
5QM	7545	0	0	30.7	7545	0	0	31.0	7545	0	0	32.5			
5N	7759	3	0	32.3	7347	3	0	32.5	7347	3	0	34.5			
5W	730														



**HAYMEADOW DEVELOPMENT  
RMF-1 & 2, MAJOR DEVELOPMENT PERMIT  
EAGLE, CO**

FLAG NOTES:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING THE LOCATION OF ELECTRICAL EQUIPMENT, JUNCTION BOXES, DISCONNECTS, ETC. EC SHALL BE RESPONSIBLE FOR COORDINATING THE ROUTING OF FEEDERS, AND BRANCH CIRCUITS.

2. COORDINATE POWER CONNECTIONS FOR OWNER PROVIDED EQUIPMENT AND APPLIANCES, AND ALL OTHER EQUIPMENT PROVIDED BY OTHER DIVISIONS. REFER TO ONE-LINE SHEETS, WIRING DIAGRAMS, AND MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS. FIELD COORDINATE LOCATIONS OF EQUIPMENT AND POWER CONNECTIONS WITH GENERAL CONTRACTOR AND OTHER DIVISIONS/CONTRACTORS PRIOR TO ROUGH-IN.

3. ELECTRICAL CONTRACTOR SHALL SIZE BRANCH CIRCUIT WIRING TO ACCOMMODATE FOR VOLTAGE DROP.

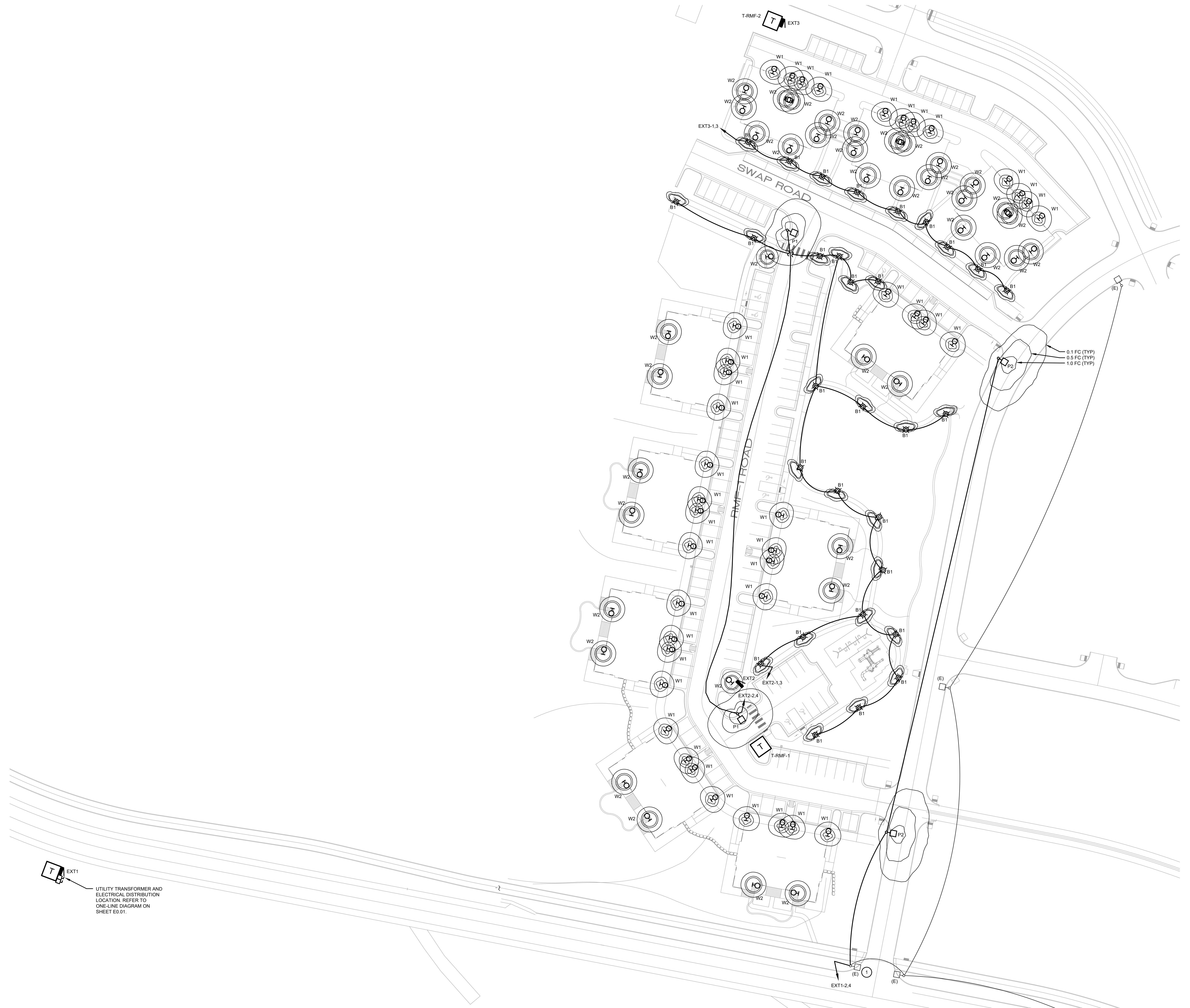
4. CIRCUITING LINES ARE SHOWN TO DEPICT FIXTURE GROUPINGS ONLY. NOT INTENDED FOR CONDUIT ROUTING. REFER TO CIVIL DRAWINGS FOR CONDUIT ROUTING.

5. FOR ALL EXTERIOR CONDUCTOR SPLICES IN JUNCTION BOXES, PULL BOXES, OR IN LIGHTING FIXTURE POLES, PROVIDE WEATHERPROOF SPLICES AND MAKE SURE WIRE IS MADE CONNECTIONS OR SPLICES TO ENSURE THAT NO METAL CONDUCTOR IS EXPOSED TO CORROSION.

6. TYPE W1 AND W2 SHOWN FOR PHOTOMETRIC INFORMATION ONLY. DESIGN, POWER, AND CONTROL FOR TYPE W1 AND W2 IS NOT IN SCOPE OF THIS DRAWING. IT IS THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE FIXTURES ARE MOUNTED.

DESIGNED BY	DRAWN BY	REVISIONS

**SHEET  
E1.00**  
SITE POWER AND  
LIGHTING PLAN



**1 SITE LIGHTING PLAN**

SCALE: 1" = 40'-0"