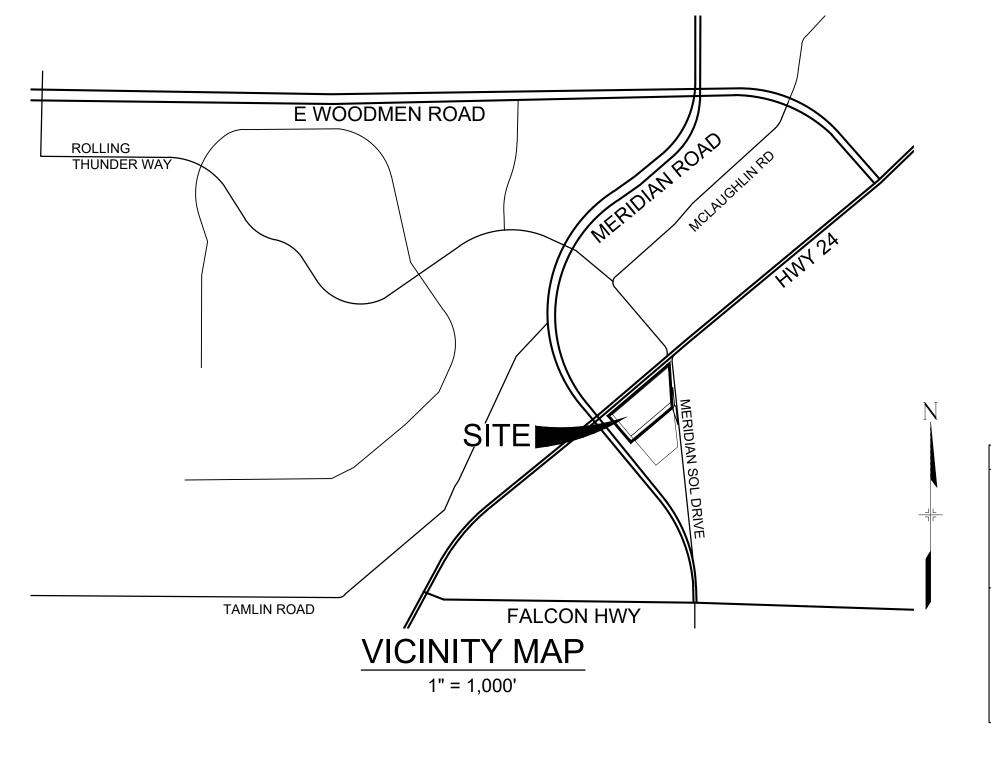
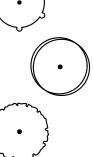
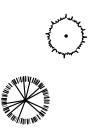
GENERAL LANDSCAPE NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PROPOSED LANDSCAPING IS INSTALLED IN ACCORDANCE WITH PLANS, DETAILS, SPECIFICATIONS (IF APPLICABLE) AND ALL LOCAL CODES AND REQUIREMENTS. 2. CONTRACTOR TO INSPECT SITE AND VERIFY CONDITIONS AND DIMENSIONING PRIOR TO PROCEEDING WITH WORK DESCRIBED HERE IN.
- NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING ANY CONSTRUCTION. 3. QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR GENERAL USE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLANT
- AND LANDSCAPE MATERIAL QUANTITIES. SYMBOL COUNT ON PLAN TAKES PRECEDENCE OVER TABLE QUANTITIES. 4. IMMEDIATELY AFTER AWARD OF CONTRACT, NOTIFY THE OWNER'S REPRESENTATIVE AND/OR THE LANDSCAPE ARCHITECT OF UNAVAILABILITY OF SPECIFIED PLANT MATERIAL FROM COMMERCIAL NURSERIES. THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE
- ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS IF UNAVAILABILITY OCCURS. SUCH CHANGES SHALL NOT ALTER THE ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER. 5. ALL PLANT MATERIALS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1.
- 6. CONTAINER GROWN STOCK SHOULD HAVE GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL TOGETHER.
- 7. ANY PLANT SUBSTITUTIONS, RELOCATION, OR REQUIRED CHANGE SHALL REQUIRE THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNER. 8. THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT RESERVE THE RIGHT TO REFUSE ANY MATERIAL THEY DEEM
- UNACCEPTABLE. 9. COORDINATE WITH PROJECT REPRESENTATIVE FOR DISTURBED SITE TREATMENTS OUTSIDE LANDSCAPE IMPROVEMENTS. SEE CIVIL PLANS FOR SOIL STABILIZATION FOR EROSION CONTROL.
- 10. IF REQUIRED, CONTRACTOR TO ENSURE THAT AN AUTOMATED IRRIGATION SYSTEM THAT PROVIDES COMPLETE COVERAGE OF THE SITE IS INSTALLED PRIOR TO INSTALLING TREES/PALMS (SEE IRRIGATION PLAN SHEET IF PROVIDED). IF NO PLAN IS PROVIDED THE CONTRACTOR SHALL SUBMIT A PROPOSED DESIGN TO THE LANDSCAPE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE PROPOSED DESIGN MUST HAVE AN APPROVED BACKFLOW DEVICE AND RAIN SENSOR INSTALLED TO STOP IRRIGATION DURING RAIN EVENTS. CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE AND NO PONDING OF WATER AT ROOT AREA.
- 11. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED/SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 12. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION AT NO COST TO THE OWNER. 13. WEED BARRIER FABRIC IS REQUIRED UNDER ALL ROCK MULCH AND COBBLE AS SPECIFIED.
- 14. SOLID STEEL EDGING WITH ROLLED TOP TO BE INSTALLED BETWEEN ALL ROCK MULCH, WOOD MULCH, COBBLE, AND SOD/NATIVE SEED. STEEL EDGING SHALL NOT BE INSTALLED BETWEEN SOD AND NATIVE AREAS.
- 15. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- 16. IF A SWPPP PLAN IS PROVIDED THIS PLAN IS TO BE IMPLEMENTED COOPERATIVELY WITH SWPPP PLAN, AS NEEDED, TO MAXIMIZE THE EFFECTIVENESS OF THE SWPPP PLAN FOR THIS SITE. 17. ALL DISTURBED AREAS AS DESIGNATED ON THE GRADING PLAN SHALL COVERED PER PLAN.
- 18. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.

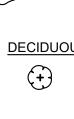


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SEED MIX SCHEDULE MIX NAME

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HIGHWAY 24 & MERIDIAN ROAD LANDSCAPE AND IRRIGATION **100% CONSTRUCTION DOCUMENTS**

A PORTION OF THE SE 1/4 OF SECTION 12, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M. COUNTY OF EL PASO COUNTY, STATE OF COLORADO **JANUARY 2023**

PLANT SCHEDULE							
	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	PLANT SIZE	CONTAINER	<u>MAT. H.</u>	<u>MAT. W.</u>
	ВМ	9	ACER GRANDIDENTATUM BIGTOOTH MAPLE	2" CAL.	B&B	25`	25`
	GI	4	GLEDITSIA TRIACANTHOS INERMIS 'IMPERIAL' IMPERIAL HONEY LOCUST	2" CAL.	B&B	50`	35`
(\cdot)	NP	7	POPULUS ANGUSTIFOLIA NARROWLEAF POPLAR	2" CAL.	B&B	40`	25`
• • • • • • • • • • • • • • • • • • • •	QB	6	QUERCUS MACROCARPA BURR OAK	2" CAL.	B&B	50`	50`
	TG	4	TILIA CORDATA `GREENSPIRE` GREENSPIRE LITTLELEAF LINDEN	2" CAL.	B&B	35`	25`
EVERGREEN TREES	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	PLANT SIZE	CONTAINER	<u>MAT. H.</u>	<u>MAT. W.</u>
\bigcirc	GL	5	PICEA GLAUCA `NORTH STAR` NORTH STAR SPRUCE	6` HT.	B&B	12`	6`
	PE	28	PINUS EDULIS PINON PINE	6` HT.	B&B	25`	15`
ORNAMENTAL TREES	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	PLANT SIZE	CONTAINER	<u>MAT. H.</u>	<u>MAT. W.</u>
	CI	8	CRATAEGUS CRUS-GALLI INERMIS THORNLESS COCKSPUR HAWTHORN	1.5" CAL.	B&B	20`	15`
	MP	8	MALUS X `PRAIRIFIRE` PRAIRIFIRE CRABAPPLE	1.5" CAL.	B&B	15`	15`
DECIDUOUS SHRUBS	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	PLANT SIZE	<u>CONTAINER</u>	<u>MAT. H.</u>	<u>MAT. W.</u>
(+)	CHP	6	CHRYSOTHAMNUS PULCHELLUS SOUTHWESTERN RABBITBRUSH	#5 CONT.	CONT.	4`	4`
\diamond	CSA	15	CORNUS SANGUINEA `ARCTIC FIRE` ARCTIC FIRE BLOODTWIG DOGWOOD	#5 CONT.	CONT.	3`	3`
	ССО	6	COTONEASTER ADPRESSUS CREEPING COTONEASTER	#5 CONT.	CONT.	2`	3`
	PAR	9	PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE	#5 CONT.	CONT.	3`	3`
\bigotimes	PHD	17	PHYSOCARPUS OPULIFOLIUS `DIABOLO` DIABOLO NINEBARK	#5 CONT.	CONT.	6`	6`
×	PRB	17	PRUNUS BESSEYI SAND CHERRY	#5 CONT.	CONT.	5`	5`
EVERGREEN SHRUBS	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	PLANT SIZE	CONTAINER	<u>MAT. H.</u>	MAT. W.
	JSB	11	JUNIPERUS SABINA `BROADMOOR` BROADMOOR JUNIPER	#5 CONT.	CONT.	1.5`	6`
\odot	PNH	35	PINUS NIGRA `HELGA` DWARF AUSTRIAN PINE	#5 CONT.	CONT.	5`	5`
	PVD	15	PINUS VIRGINIANA `DRISCOLL` DRISCOLL`S SHRUB PINE	#5 CONT.	CONT.	3`	2`

E	SUPPLIER	SPECIES	CONDITION	APPLICATION METHOD	APPLICATION RATE	
COUNTY VATION DISTRICT ALL- E LOW GROW MIX		25% BUFFALOGRASS 20% BLUE GRAMA 29% SIDEOATS GRAMA 5% GREEN NEEDLEGRASS 20% WESTERN WHEATGRASS 1% DROPSEED	PERMANENT OR TEMPORARY IRRIGATION	PER SEEDING NOTES	42 PLS/ACRE	
COUNTY VATION DISTRICT ALL- E MIX		20% BIG BLUE STEM 10% BLUE GRAMA 10% GREEN NEEDLEGRASS 20% WESTERN WHEATGRASS 10% SIDEOATS GRAMA 10% SWITCHGRASS 10% PRAIRIE SANDREED 10% YELLOW INDIANGRASS	NON-IRRIGATED	PER SEEDING NOTES	10 PLS/ACRE	

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SOFIA HERNANDEZ PHONE: (303) 717-3305 SOFIA@LDCAZ.COM

CIVIL ENGINEER/ LANDSCAPE ARCHITECT MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 NICOLE SCHANEL/ JASON ALWINE PHONE: (719) 575-0100 JASON.ALWINE@MATRIXDESIGNGROUP.COM

ARCHITECT GREENBERG FARROW 30 EXECUTIVE DRIVE, SUITE 100 IRVINE, CA 92614 DOUG COUPER PHONE: (949) 296-0450

LAND SURVEYOR **RUBINO SURVEYING** 3312 AIRPORT ROAD BOULDER, COLORADO 80301 PHONE: (303) 464-9515

GEOTECHNICAL ENGINEER TERRACON CONSULTANTS, INC. 4172 CENTER PARK DRIVE COLORADO SPRINGS, CO 80916 PHONE: (719) 597-2116

SITE DATA: AREA OF PARC HIGHWAY 24 FR MERIDIAN SOL (NEW) MERIDIAI PARKING

LANDSCAPE AR

REQUIRED TRE HIGHWAY 24 (1 MERIDIAN SOL (NEW) MERIDIAI INTERNAL (1 PE PARKING (1 PEF TOTAL TREES

REQUIRED SHR **HIGHWAY 24 SU** MERIDIAN SOL (NEW) MERIDIAI INTERNAL SUBS TOTAL SHRUBS

SHEET INDEX			
Sheet Title	Sheet Description		
LS01	LANDSCAPE COVER		
LS02	LANDSCAPE NOTES & DETAILS		
LS03	LANDSCAPE PLAN		
LS04	LANDSCAPE PLAN		
IR01	IRRIGATION NOTES		
IR02	IRRIGATION DETAILS		
IR03	IRRIGATION PLAN		



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7030 OLD MERIDIAN ROAD

11140 E. WOODMEN ROAD

PEYTON, COLORADO 80831

MOUNTAIN VIEW ELECTRIC ASSOCIATION

WOODMEN HILLS METRO DISTRICT

FALCON FIRE PROTECTION DISTRICT

EL PASO COUNTY PUBLIC SERVICES

COLORADO SPRINGS UTILITIES

COLORADO SPRINGS, COLORADO 80922

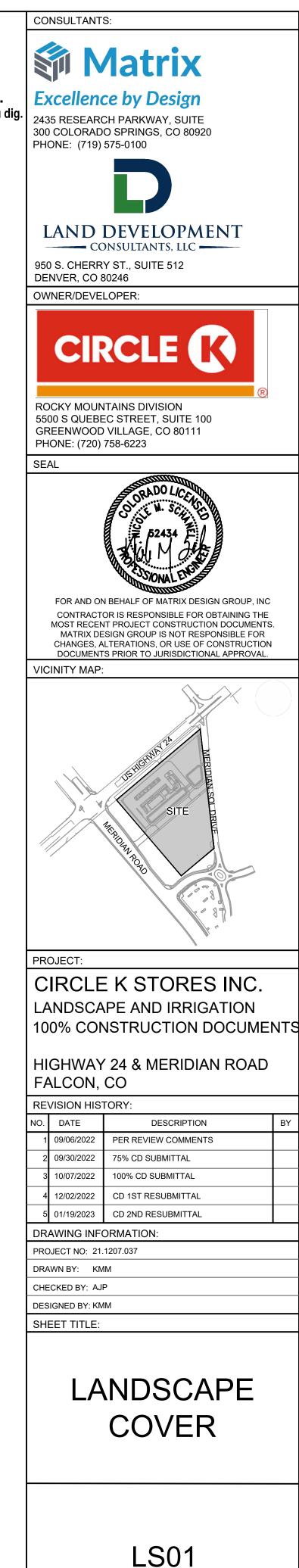
COLORADO SPRINGS, COLORADO 80920

LANDSCAPE REQUIREMENTS

CEL: RONTAGE: FRONTAGE: N FRONTAGE:	198,154 SF (4.56 765 LF 372 LF 321 LF	AC)	
<u>REA</u> REA (5% TOTAL ARE	28 SPACES EA)	REQ. 9,926 SF	PROV. 110,000 SF
EES PER 20 LF)-HW ROAD (1 PER 25 LF N ROAD (1 PER 20 I ER 500 SF LS AREA) R 15 SPACES)-MV	ÊF)-NM	REQ. 39 15 16 20 <u>2</u> 92	PROV. 35 15 15 12 <u>2</u> 79
RUBS UBSTITUTIONS (10 F ROAD SUBS (10 PE N ROAD SUBS (10 F STITUTIONS (10 PE S	R TREE) PER TREE)	REQ. 40 0 10 <u>80</u> 130	PROV. 41 10 <u>80</u> 131

COUNTY PLANNING CERTIFICATION

THESE CONSTRUCTION DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN ACCORDANCE WITH EL PASO COUNTY LAND DEVELOPMENT CODE.



DIRECTOR, PLANNING AND COMMUNITY DEVELOPMENT

DATE

PCD FILING NO.: PPR2230 ISSUE DATE: JANUARY 2023

PLANTING NOTES

- 1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL PLANTED AREAS. ALL DELETERIOUS MATERIALS SUCH AS ROCK, TRASH, CONSTRUCTION DEBRIS AGGREGATE BASE MATERIAL, ASPHALT, ETC, SHALL BE REMOVED PRIOR TO ANY FILL OPERATIONS, FILL ALL PLANTING AREAS WITH CLEAN EARTHEN FILL, SOIL SHALL BE FREE OF HEAVY, STIFF CLAY AND ANY DELETERIOUS MATERIAL OVER ONE INCH IN SIZE. THE TOP SIX INCHES OF FILL MATERIAL STRIPPED FROM SITE MAY BE UTILIZED FOR PLANTER OR TOPSOIL FILL IF PRIOR APPROVAL HAS BEEN OBTAINED FROM THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT.
- 2. FINISH GRADE OF LANDSCAPE AREAS (TOP OF TURF AND MULCH) MUST BE GRADED TO 3" BELOW ADJACENT PAVEMENT SURFACES. 3. LOCATE SHRUBS A DISTANCE OF HALF OF THEIR AVERAGE MATURE SPREAD AWAY FROM WALKS, STRUCTURES, CONCRETE PADS, ETC. LOCATE GROUND COVER
- PLANTINGS A MINIMUM OF 2' FROM WALKS, STRUCTURES, CONCRETE PADS, ETC.
- 4. TREES PLANTED ADJACENT TO PUBLIC ROADS AND PEDESTRIAN SIDEWALKS SHALL BE PRUNED SUFFICIENTLY TO AVOID VISUAL BLOCKS TO INTERSECTING VEHICULAR ACCESS OR INTERFERENCE WITH PEDESTRIAN WALKWAYS. TREES WITH A 4" OR LARGER CALIPER SHALL BE PRUNED UP TO 6'-0" ABOVE PAVEMENTS. 5. ALL TREES WITHIN 4' OF PAVED SURFACES (SUCH AS CURBS, WALLS, BUILDINGS AND SIDEWALKS) SHALL BE PROVIDED WITH A DEEP ROOT BARRIER CONTROL DEVICE OR EQUAL. INSTALL PER MFR'S SPECIFICATIONS.
- 6. TOPSOIL DEPTH SHALL BE AS FOLLOWS: PLANTER BEDS 12" MINIMUM, NATIVE SEED 12" MINIMUM
- 7. ALL PLANTING BED SOILS SHALL BE AMENDED WITH 2" OF ORGANIC COMPOST AND TILLED INTO FIRST 4" OF SOIL. 8. BACKFILL ALL TREES, SHRUBS, GROUNDCOVER WITH A MIXTURE OF 2 PARTS NATIVE SOIL AND 1 PART SOIL CONDITIONING
- 9. THE LANDSCAPE CONTRACTOR SHALL WATER TEST ALL PLANTING HOLE PRIOR TO PLANTING. IF HOLES DO NOT DRAIN PROPERLY, EXCAVATE FURTHER UNTIL IMPERMEABLE LAYER IS BREACHED. EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS (WHEN FULLY FLOODED WITH WATER) SHALL DRAIN WITHIN 1 HOUR OF FILLING. ENSURE THAT ALL PLANT PITS HAVE POSITIVE DRAINAGE.
- 10. ALL PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE. PRE-EMERGENT HERBICIDE SHALL BE APPLIED PER MANUFACTURE'S RECOMMENDATIONS AND SHALL OCCUR AFTER TOPSOIL PLACEMENT AND PRIOR TO INSTALLATION OF PLANT MATERIALS AND MULCH. 11. FERTILIZE ALL PLANTS AT THE TIME OF PLANTING WITH A TIME RELEASE FERTILIZER PER BRAND'S SPECIFIED APPLICATION RATES.
- 12. ALL TREES AND SHRUBS SHALL BE PLANTED IN SUCH A MANNER AS TO ENSURE THEIR SURVIVAL.
- 13. ANY ROPE OR WIRE BINDING THE BALL SHALL BE CUT PRIOR TO PREVENT GIRDLING OF THE TREE. REMOVE WIRE, TWINE, AND BURLAP FROM THE TOP HALF OF ALL B&B PI ANT MATERIAI
- 14. IF A NON-BIODEGRADABLE MATERIAL IS USED AROUND THE BALL, IT SHALL BE COMPLETELY REMOVED PRIOR TO BACKFILLING 15. PRIOR TO INSTALLATION, THE ROOTS OF CONTAINER GROWN STOCK SHALL BE SEPARATED OR SPLIT TO ENSURE PROPER ROOT DEVELOPMENT.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS. 17. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS. TREES & SHRUBS SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY
- 18. ALL TREES MUST BE STRAIGHT-TRUNKED, FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- 19. ALL TREES MUST BE STAKED AS SHOWN IN THE DETAILS.
- 20. NO SUBSTITUTIONS OR ALTERNATIVES WILL BE ALLOWED FOR GROUND SURFACE MATERIALS UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT OR OWNER 21. MAINTAIN 5' MIN. HORIZONTAL SEPARATION BETWEEN TREE PLANTINGS AND ALL UTILITIES UNLESS OTHERWISE SPECIFIED.
- 22. A THREE INCH (3") TOP DRESSING/MULCHING SHALL BE PLACED IN ALL PLANT BEDS AND AROUND ALL TREES. SINGLE TREES OR SHRUBS SHALL HAVE TOP DRESSING TO THE OUTSIDE EDGE OF THE MANUFACTURED EDGING OR LANDSCAPE ISLAND. (SEE PLANTING DETAILS) TOP DRESSING CAN BE WOOD MULCH, ROCK, OR ANY OTHER DECORATIVE MATERIAL SPECIFIED ON PLANS. SEE LANDSCAPE PLAN FOR TYPE.

PLANT GUARANTEE, REPLACEMENT AND MAINTENANCE NOTES

A. GUARANTEE:

- ACCEPTANCE OF GRADING SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RESEEDING AND OTHER OPERATIONS NECESSARY TO KEEP ALL LAWN AREAS IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
- B. REPLACEMENT: ANY PLANT UNDER THIS SPEC WHICH IS DEAD, MISSING, UNHEALTHY, OR OTHERWISE NOT ACCEPTABLE AND NOT IN SATISFACTORY GROWING CONDITION DURING CONSTRUCTION MAINTENANCE PERIOD, OR AT THE END OF THE GUARANTEE PERIOD, SHALL BE REMOVED FROM SITE AND REPLACED WITH SUITABLE, ACCEPTABLE PLANT AS SPECIFIED, WITHIN FIVE (5) DAYS.
- MAINTENANCE:
- GENERAL CONTRACTOR SHALL PROVIDE ONE YEAR OF LANDSCAPE MAINTENANCE, FROM THE TIME THE PROJECT RECEIVES THE CERTIFICATE OF OCCUPANCY AND THERE AFTER, FOR ALL NEW LANDSCAPE. IF EXISTING LANDSCAPE EXISTS ON-SITE, GENERAL CONTRACTOR IS TO PROVIDE THE OPTION OF MAINTENANCE FOR THE OWNER'S REVIEW.

HERBICIDES NOTES

- 1. APPLICATION OF HERBICIDES SHALL BE IN COMPLIANCE WITH STATE PESTICIDES REGULATIONS. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONSULT WITH THE REGULATORY AGENCIES FOR LOCAL HERBICIDES APPLICATION REQUIREMENTS.
- 2. IF THERE IS A DISCREPANCY BETWEEN STATE REGULATIONS AND ADDITIONAL REQUIREMENTS BELOW, MOST STRINGENT SHALL RULE.
- 3. NO AERIAL APPLICATION OF HERBICIDES IS PERMITTED ON SITE. 4. CARCINOGENS AND EPA TOXIC CATEGORY I AND II ARE PROHIBITED TO USE ON SITE.

SODDING AND SEEDING NOTES

- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EROSION CONTROL MEASURES DURING THE DURATION OF WORK ON-SITE.
- GENERAL CONTRACTOR SHALL PROVIDE 4" OF TOPSOIL AT ALL SOD AND PLANTING AREAS IN ADDITION TO ANY REQUIRED SOIL AMENDMENTS. GRADE SHALL BE ADJUSTED FOR SOD/ GROUND COVER THICKNESS. ALL FINISH GRADING SHALL BE PERFORMED BY LANDSCAPE CONTRACTOR.
- FINE GRADE SOD AREAS TO ELIMINATE IRREGULARITIES ON THE SURFACE. ROLL OR PERFORM ADDITIONAL FINE GRADING.
- 4. ALL AREAS TO BE SEEDED SHALL BE TILLED AS SPECIFIED AND THEN HARROWED, RAKED OR ROLLED TO PRODUCE A FIRM SEED BED FOR PLANTING. IMPORTED TOPSOIL MAY BE REQUIRED TO PROVIDE AN ACCEPTABLE PLANTING MEDIUM. LARGE ROCKS (1 INCH DIAMETER) AND DEBRIS THAT MAY IMPEDE SEEDING SHALL BE CLEARED FROM THE SITE. ANY REQUIRED EROSION CONTROL FEATURES (E.G., WATER BARS, BERMS, BASINS, TURNOUTS) SHALL BE CONSTRUCTED PRIOR TO SEEDING. SITES THAT ARE NOT ADEQUATELY PREPARED PRIOR TO SEEDING (E.G., COMPACTED SOIL, INSUFFICIENT TOPSOIL, ROCKY, ERODED SURFACE, ETC.) SHALL BE REJECTED.
- ALL SPECIFIED SEED MIXES SHALL CONSIST OF CERTIFIED SEED VARIETIES THAT ARE FREE OF NOXIOUS WEEDS AND HAVE BEEN TESTED FOR PURITY AND GERMINATION WITHIN SIX MONTHS OF THE PLANTING DATE. CERTIFICATION LABELS WHICH INDICATE THE SPECIES, PURITY, GERMINATION, WEED CONTENT, ORIGIN, AND TEST DATE SHALL BE SUBMITTED FOR ALL SEED MATERIALS.
- SEEDING SHALL OCCUR DEPENDING ON THE PROJECT SCHEDULE, IT IS PREFERABLE THAT SEEDING OCCUR DURING THE FALL (SEPTEMBER-NOVEMBER) OR SPRING (MARCH-MAY) TO MAXIMIZE PLANTING SUCCESS. IF THE PROJECT SCHEDULE DOES NOT COINCIDE WITH THE PREFERRED SEEDING PERIODS, OR IF THERE ARE UNSUITABLE SITE CONDITIONS (I.E. FROZEN GROUND), THEN SOIL STABILIZATION AND/OR STORM WATER BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED TO STABILIZE THE AREA UNTIL THE NEXT APPROPRIATE SEEDING DATE. ANY SEEDING CONDUCTED OUTSIDE THE PREFERRED MONTHS SHALL BE APPROVED BY THE OWNER
- SEEDING METHOD: DRILL SEEDING OR BROADCAST SEEDING SHALL BE USED. AS OUTLINED BELOW, THE SIZE AND SLOPE OF THE SEEDED AREA SHALL DETERMINE WHICH SEEDING METHOD(S) IS APPROPRIATE AND ACCEPTABLE. REFER TO MANUFACTURER'S SPECIFICATIONS FOR ADJUSTING SEEDING RATES FOR APPLICATIONS DIFFERING FROM THE SEED MIX TABLE.
- SLOPES LESS THAN 3:1 SEED SHALL BE PLANTED USING A RANGELAND DRILL. SEEDING SHALL BE ACCOMPLISHED USING BI-DIRECTIONAL DRILLING AND FOLLOWING THE SLOPE CONTOUR. THE DRILL EQUIPMENT SHALL BE CALIBRATED EACH DAY OR WHENEVER THERE IS A CHANGE IN THE SEED MIX TO ENSURE PROPER SEED DISTRIBUTION AND RATE.
- SLOPES GREATER THAN 3:1 OR AREAS LESS THAN 0.10 ACRE SEED SHALL BE BROADCAST BY HAND OR MECHANICAL SPREADER. BROADCAST SEEDED AREAS SHALL BE RAKED OR HARROWED TO INCORPORATE THE SEED INTO THE SOIL AT A DEPTH NOT EXCEEDING 0.75 INCHES.
- BROADCAST SEEDING SHALL BE AVOIDED WHEN WIND SPEED EXCEEDS 15 MILES PER HOUR
- D. ALTERNATIVE METHODS TO BE REVIEWED AND APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
- FINE GRADE SEED TO ELIMINATE IRREGULARITIES ON THE SURFACE. ROLL OR PERFORM ADDITIONAL FINE GRADING. SEED AREAS BY MEANS OF APPROVED BROADCAST OR HYDRAULIC-TYPE SPREADERS. DO NOT SEED DURING WINDY WEATHER.
- WEED-FREE NATIVE HAY, WEED-FREE STRAW, OR VIRGIN WOOD FIBER HYDRO-MULCH SHALL BE USED PER NOTES BELOW TO CONTROL EROSION AND PROMOTE SEED GERMINATION AND PLANT ESTABLISHMENT. NATIVE HAY, STRAW, OR HYDRO-MULCH SHALL BE APPLIED PER SEED SUPPLIER'S RECOMMENDATIONS FOR OPTIMAL GROWTH PER SEED MIX TYPE AND SLOPE.
- A. HYRDO-MULCHING: ALL IRRIGATED SEEDING SHALL BE HYDRO MULCHED. ORGANIC TACKIFIER SHALL BE USED. MULCH SEEDED AREAS WITHIN 24 HOURS OF
- SEEDING. HYDRO-MULCH SHALL BE APPLIED USING A COLOR DYE AND THE MANUFACTURER'S RECOMMENDED RATE OF AN ORGANIC TACKIFIER. STRAW CRIMPING: ALL NON-IRRIGATED OR TEMPORARILY IRRIGATED TO BE NATIVE HAY OR STRAW CRIMPED INTO THE SOIL TO A DEPTH OF AT LEAST 3 INCHES, AND SHALL PROTRUDE ABOVE THE GROUND AT LEAST 3 INCHES.
- C. ALTERNATIVE METHODS TO BE REVIEWED AND APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
- D. EROSION CONTROL BLANKETS ARE TO BE APPLIED ON SLOPES 3:1 AND GREATER.
- 10. IF A WATER HOOK-UP IS AVAILABLE A SPRINKLER SYSTEM MAY BE USED TO PROMOTE RAPID PLANT ESTABLISHMENT. GENERALLY, WATERING AT 0.75-1.0 INCHES/WEEK IS RECOMMENDED DURING THE APRIL-OCTOBER GROWING SEASON DEPENDING ON NATURAL RAINFALL. THE USE OF WATER TRUCKS FOR IRRIGATION IS PROHIBITED DUE TO TRAFFIC IMPACTS ON THE SEEDED AREAS AND TYPICAL POOR WATER DISTRIBUTION OBSERVED WITH THIS TYPE OF WATERING
- APPROVAL OF SEEDED TURF AREAS SHALL BE BASED UPON THE SEED PRODUCERS GUARANTEED SEEDING GERMINATION RATE FOR A ONE SQUARE FOOT AREA. IF GUARANTEED GERMINATION RATE IS NOT ACHIEVED, THE CONTRACTOR SHALL OVERSEED UNTIL THE GERMINATION RATE IS ACHIEVED. REVEGETATION SHALL HAVE AT LEAST 3 NATIVE GRASS SEEDLINGS/SQUARE FOOT AND NO BARE AREAS EXCEEDING ONE SQUARE METER AFTER THE SECOND GROWING SEASON. FOR DRILL SEEDED AREAS, PLANTING ROWS SHALL BE NOTICEABLE BY THE END OF THE FIRST FULL GROWING SEASON. IF A PARTIAL OR TOTAL SEEDING FAILURE IS APPARENT AFTER THE SECOND GROWING SEASON, POORLY VEGETATED AREAS SHALL BE RESEEDED IN THE SAME MANNER DESCRIBED ABOVE. APPROPRIATE SITE PREPARATION PRACTICES SHALL BE USED TO CREATE A SUITABLE SEEDBED FOR PLANTING, BUT ANY ESTABLISHED NATIVE VEGETATION SHALL BE UNDISTURBED TO THE EXTENT POSSIBLE. AREAS THAT ERODE BEFORE GERMINATION AND ESTABLISHMENT CAN OCCUR SHALL BE REPAIRED AND IMMEDIATELY RESEEDED DURING THE SAME SEASON. ALL BARE AREAS TO BE RESEEDED WITH PROPER REMOVAL OF WEEDS. ALL NATIVE SEED AREAS ARE TO MEET STANDARD LOCAL JURISDICTION REQUIREMENTS FOR GERMINATION AND ESTABLISHMENT

HIGHWAY 24 & MERIDIAN ROAD LANDSCAPE AND IRRIGATION **100% CONSTRUCTION DOCUMENTS**

A PORTION OF THE SE 1/4 OF SECTION 12. TOWNSHIP 13 SOUTH. RANGE 65 WEST OF THE 6TH P.M. COUNTY OF EL PASO COUNTY, STATE OF COLORADO **JANUARY 2023**

DO NOT CUT LEADER. PRUNE REMOVE TWINE FROM DAMAGED OR DEAD WOOD PRIOR BRANCHES TO PLANTING SPRAY WITH WILT PRUF OR EQUAL (IF LEAFED USE 16 GA. USE 16 GA. WIRE (CAL-TIE OR OUT) DO NOT CUT LEADER. PRUNE EQUIV.) PLACED THROUGH GROMMETS OF - COTTON/NYLON DAMAGED OR DEAD WOOD PRIOR WEB STRAPS TO SECURE TREE WEBBING STRAP -AL TO PLANTING ORANGE FLUORESCENT FLAGGING -- REMOVE SOIL TO GUY WIRES TO BE UNIFORMLY ON WIRE FOR SAFETY Ì ROOT FLARE AND NEATLY TIGHTENED. TYP. - MATCH TOP OF ROOT STEEL POSTS. GUY TREE TO PLUMB -FLARE TO FINISH GRADE POSITION. SECURE GUYS TO MATCH TOP OF ROOT FLARE -TRUNK AT 1/2- 2/3 THE TREE HEIGHT TO EXISTING GRADE PLACE POSTS AND WIRES SO THAT - 3" MIN. SHREDDED THEY DO NOT RUB AGAINST CEDAR MULCH W/OUT SOLID GREEN "T" POSTS TO BRANCHES FABRIC EXTEND NO MORE THAN 6" ABOVE GRADE. 3 PER TREE 1'-0" LONG X 4" DIA. ADG CORRUGATE FINISH GRADE FLEXIBLE PIPE (WEED WHACKER REMOVE ALL BURLAP AND WIRE -GUARD). SPLIT ONE SIDE END-TO-END BACKFILL WITH PLANTING MIX: BASKET FROM ROOTBALL AND PLACE AROUND BASE OF TREE -2 PARTS NATIVE TOPSOIL 3 X DIA. OF -1 PART CONDITIONED TOPSOIL TRUNK UNDISTURBED ROOTBALL SUBGRADE REMOVE ALL BURLAP AND WIRE UNDISTURBED BASKET FROM ROOTBALL * NOTE: ALL TREE PLANTINGS TO HAVE A 36" DIAMETER TREE SUBGRADE * NOTE: ALL TREE PLANTINGS TO HAVE A 36" DIAMETER TREE RING WITH WOOD MULCH RING WITH WOOD MULCH DECIDUOUS TREE EVERGREEN TREE 2 MS-PR1-CK-01 USE 16 GA. USE 16 GA. WIRE (CAL-TIE OR - MULCH PER PLAN, 3" MIN. EQUIV.) PLACED THROUGH GROMMETS OF - the the the state FABRIC UNDER COBBLE/ROCK WEB STRAPS TO SECURE TREE AND CEDAR W/OUT FABRIC EQUAL DISTANCE BETWEEN TRUNK AND - FINISH GRADE STAKES - BACKFILL WITH PLANTING MIX 1'-0" LONG X 4" DIA. ADG CORRUGATED --2 PARTS NATIVE TOPSOIL FLEXIBLE PIPE (WEED WHACKER -1 PART CONDITIONED TOPSOIL GUARD). SPLIT ONE SIDE END-TO-END AND PLACE AROUND BASE OF TREE - UNDISTURBED TRUNK

SUBGRADE

NOTES:

3

- 1. CONTRACTOR TO WATER PLANT MATERIAL DAILY UNTIL AN AUTOMATIC IRRIGATION SYSTEM IS OPERATIONAL OR OTHER IRRIGATION PROVISIONS ARE PROVIDED.
- 2. THE FINISH GRADES SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM WALLS
- AND BUILDINGS. 3. THE TILLING OF PLANTING BEDS AND PLACEMENT OF BACKFILL IS TO OCCUR JUST PRIOR TO PLANTING; THEREAFTER, PROTECTION FROM COMPACTION AND CONSTRUCTION TRAFFIC SHOULD BE PROVIDED.
- SHRUBS

NTS

MS-PR1-CK-07

PROVIDE A SMOOTHLY RAKED FINISH GRADE, PROVIDE POSITIVE DRAINAGE. TILLE SOIL AMENDMENTS GROUNDCOVER PER NOTES PER PLAN **APPLICATION** EVENLY SPREAD **TOPSOIL 4" DEEP** SUBGRADE, RIP 6" DEEP

NTS

5

- 1. TOPSOIL TO CONSIST OF DARK, LIGHT LOAM SOIL FREE OF ROCKS, ROOTS, AND FOREIGN MATERIALS.
- 2. COMPOST TO BE TYPE I CONSISTING OF OF 1-YEAR OLD ORGANIC MATERIAL AND SHOULD
- NOT INCLUDE CHICKEN MANURE. 3. FROZEN MATERIALS OR MATERIALS GREATER THAN 1" DIA. SHOULD BE REMOVED.

SOIL PREP FOR ALL AREAS

MS-STD-LS-05

UNLESS OTHERWISE SPECIFIED. **STEEL EDGING** 6

NTS

FINISH GRADE

TREES AND SHRUBS

Э

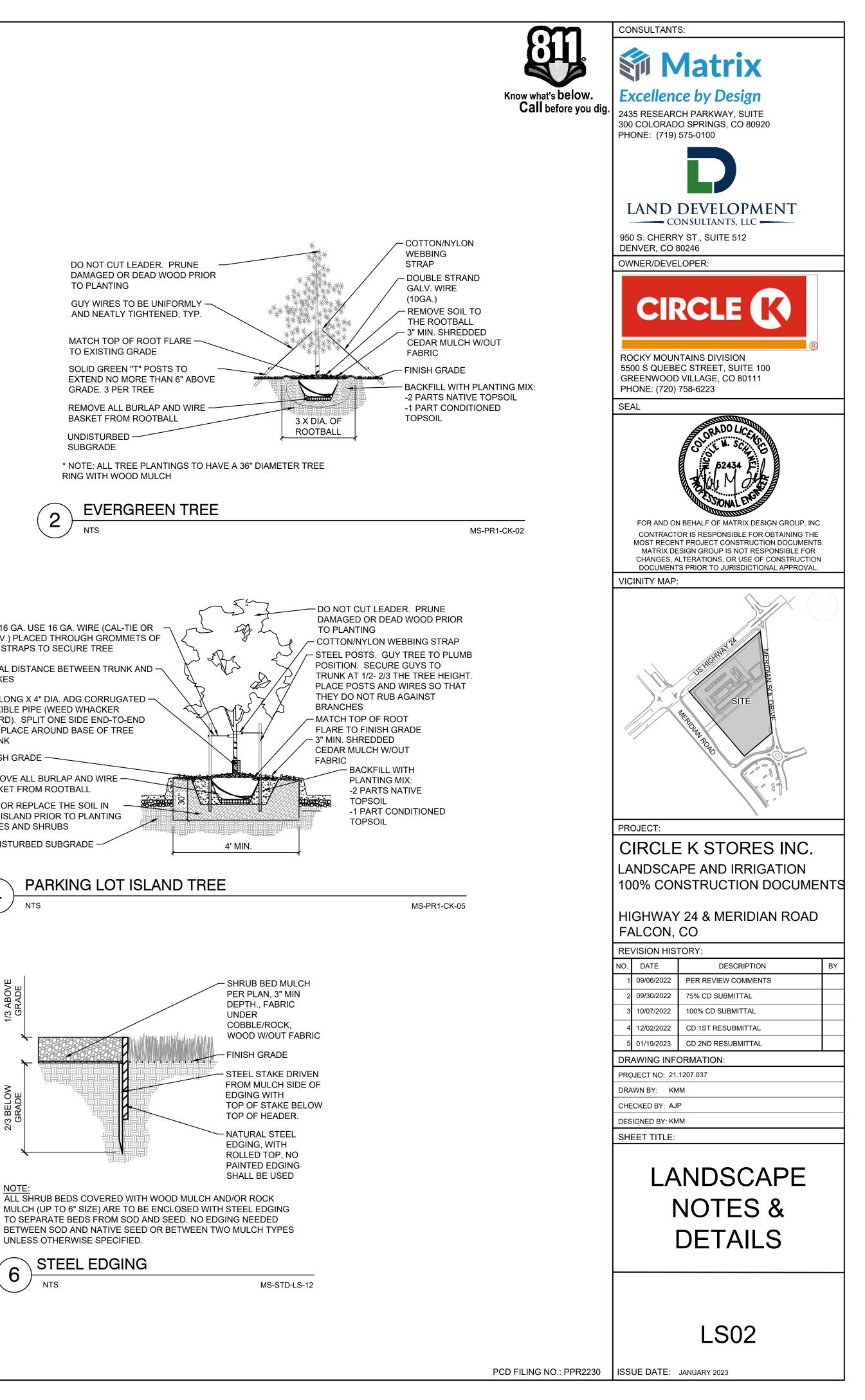
BASKET FROM ROOTBALL

REMOVE ALL BURLAP AND WIRE -

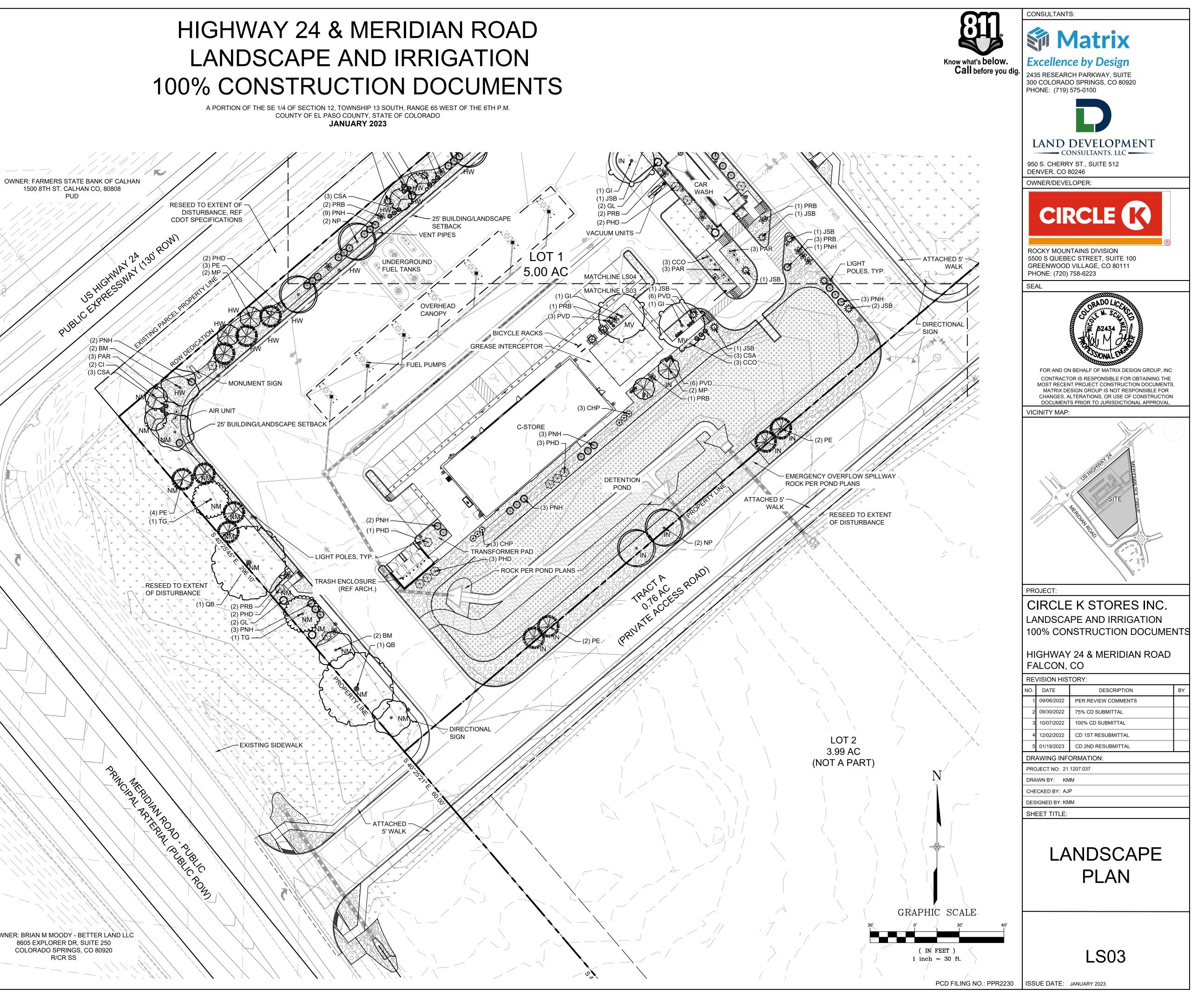
TILL OR REPLACE THE SOIL IN

UNDISTURBED SUBGRADE ---

THE ISLAND PRIOR TO PLANTING

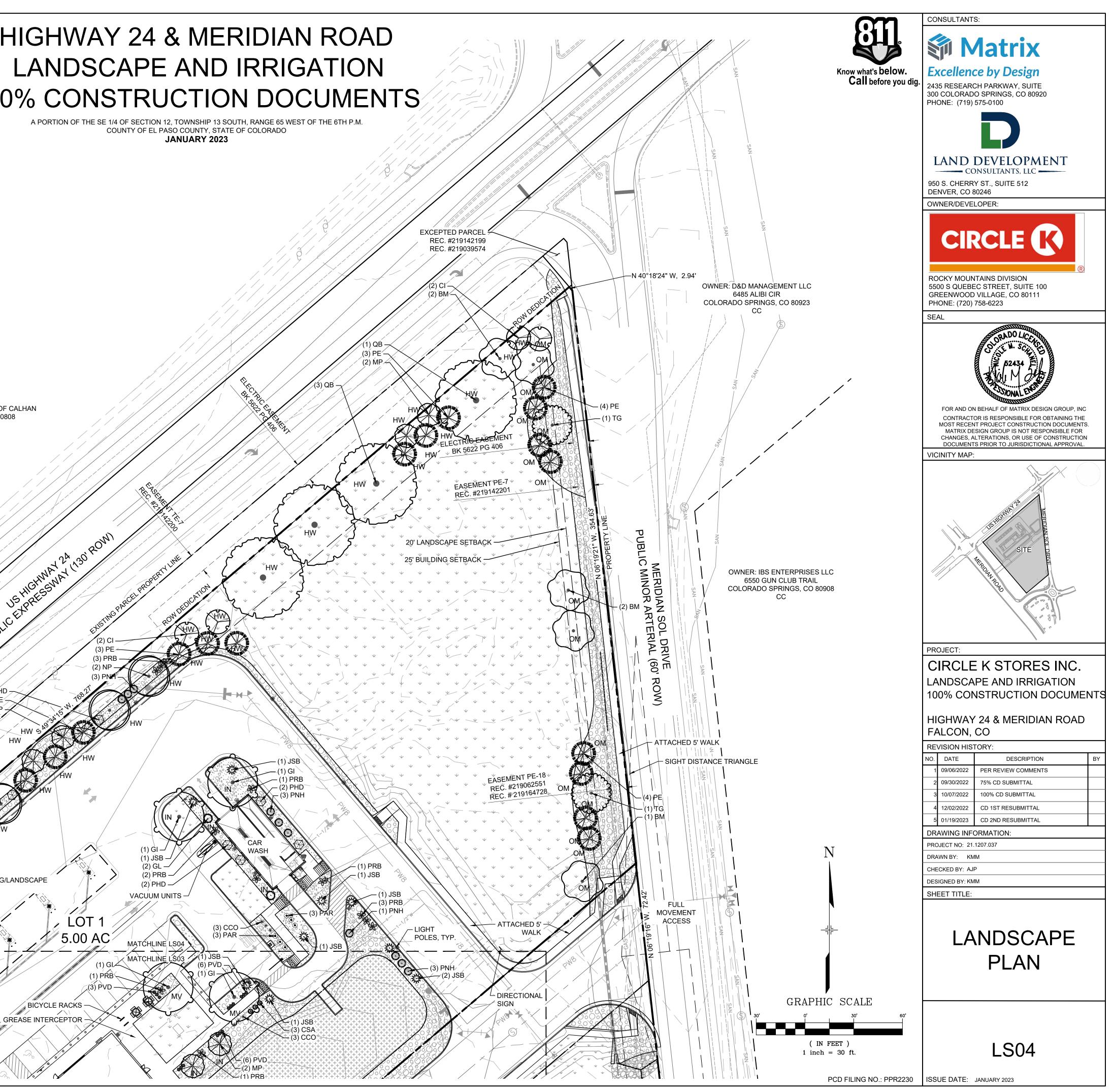


DECIDUOUS TREE	<u>CODE</u>	BOTANICAL / COMMON NAME
·	BM	ACER GRANDIDENTATUM BIGTOOTH MAPLE
•	Gl	GLEDITSIA TRIACANTHOS INERMIS 'IMPERIA IMPERIAL HONEY LOCUST
$\overline{\mathbf{\cdot}}$	NP	POPULUS ANGUSTIFOLIA NARROWLEAF POPLAR
•	QB	QUERCUS MACROCARPA BURR OAK
	TG	TILIA CORDATA `GREENSPIRE` GREENSPIRE LITTLELEAF LINDEN
EVERGREEN TRE	<u>ES CODE</u>	BOTANICAL / COMMON NAME
-	JC	JUNIPERUS CHINENSIS `SPARTAN` SPARTAN JUNIPER
	GL	PICEA GLAUCA `NORTH STAR` NORTH STAR SPRUCE
	PE	PINUS EDULIS PINON PINE
ORNAMENTAL TR	EES <u>CODE</u>	BOTANICAL / COMMON NAME
	CI	CRATAEGUS CRUS-GALLI INERMIS THORNLESS COCKSPUR HAWTHORN
Ð	MP	MALUS X `PRAIRIFIRE` PRAIRIFIRE CRABAPPLE
		BOTANICAL / COMMON NAME
	ARF	ARTEMISIA FILIFOLIA SAND SAGEBRUSH
(\div)	CHP	CHRYSOTHAMNUS PULCHELLUS SOUTHWESTERN RABBITBRUSH
0	CSA	CORNUS SANGUINEA `ARCTIC FIRE` ARCTIC FIRE BLOODTWIG DOGWOOD
*	ссо	COTONEASTER ADPRESSUS CREEPING COTONEASTER
$\langle \mathbf{o} \rangle$	PAR	PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE
\bigotimes	PHD	PHYSOCARPUS OPULIFOLIUS `DIABOLO` DIABOLO NINEBARK
×	PRB	PRUNUS BESSEYI SAND CHERRY
EVERGREEN SHR	UBS CODE	BOTANICAL / COMMON NAME
	JSB	JUNIPERUS SABINA `BROADMOOR` BROADMOOR JUNIPER
{ ` +}	PGE	PICEA GLAUCA `ECHINIFORMIS` WHITE SPRUCE
\odot	PNH	PINUS NIGRA `HELGA` DWARF AUSTRIAN PINE
٩	PVD	PINUS VIRGINIANA `DRISCOLL` DRISCOLL`S SHRUB PINE
	ANT SCHEDUL	Ε
	I-1/2" COBBLE I-1/2" GOLDEN SI C&C SAND & STC APPROVED EQU/	
		7,390 SF E ROCK FROM C&C CO. OR APPROVED
↓ ↓↓ ↓	NATIVE SEED-LO EL PASO COUNT LOW GROW MIX. TABLE	Y ALL-PURPOSE
		Y CONSERVATION JRPOSE MIX. REF

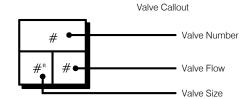


OWNER: BRIAN M MOODY - BETTER LAND LLC 8605 EXPLORER DR, SUITE 250 COLORADO SPRINGS, CO 80920

-		BOTANICAL / COMMON NAME	<u>CODE</u>	ECIDUOUS TREES
		ACER GRANDIDENTATUM	BM	•
100		BIGTOOTH MAPLE GLEDITSIA TRIACANTHOS INERMIS 'IMPERIAL'	GI	}
		IMPERIAL HONEY LOCUST POPULUS ANGUSTIFOLIA	NP	-
		NARROWLEAF POPLAR QUERCUS MACROCARPA	QB	}
		BURR OAK		در م
		TILIA CORDATA `GREENSPIRE` GREENSPIRE LITTLELEAF LINDEN	TG	لاس
		BOTANICAL / COMMON NAME JUNIPERUS CHINENSIS `SPARTAN`	<u>CODE</u> JC	VERGREEN TREES
		SPARTAN JUNIPER PICEA GLAUCA `NORTH STAR`	GL	
		NORTH STAR SPRUCE		IN MININA
		PINUS EDULIS PINON PINE	PE	The first of the second s
		BOTANICAL / COMMON NAME	<u>CODE</u>	$\frac{\text{RNAMENTAL TREES}}{4}$
		CRATAEGUS CRUS-GALLI INERMIS THORNLESS COCKSPUR HAWTHORN	CI	\sqrt{C}
OWNER: FARMERS STATE BANK OF C 1500 8TH ST. CALHAN CO, 80808		MALUS X `PRAIRIFIRE` PRAIRIFIRE CRABAPPLE	MP	}
PUD		BOTANICAL / COMMON NAME ARTEMISIA FILIFOLIA SAND SAGEBRUSH	<u>CODE</u> ARF	ECIDUOUS SHRUBS
		CHRYSOTHAMNUS PULCHELLUS SOUTHWESTERN RABBITBRUSH	CHP	(\cdot)
8		CORNUS SANGUINEA `ARCTIC FIRE` ARCTIC FIRE BLOODTWIG DOGWOOD	CSA	0
		COTONEASTER ADPRESSUS CREEPING COTONEASTER	ссо	*
		PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE	PAR	$\langle \mathbf{o} \rangle$
		PHYSOCARPUS OPULIFOLIUS `DIABOLO` DIABOLO NINEBARK	PHD	\bigotimes
PUBLIC		PRUNUS BESSEYI SAND CHERRY	PRB	×
		BOTANICAL / COMMON NAME	CODE	VERGREEN SHRUBS
(2) PHD -		JUNIPERUS SABINA `BROADMOOR` BROADMOOR JUNIPER	JSB	MA MA
(3) PE		PICEA GLAUCA `ECHINIFORMIS` WHITE SPRUCE	PGE	< + }
(3) PNH		PINUS NIGRA `HELGA` DWARF AUSTRIAN PINE	PNH	\odot
(1) PRB (3) CSA (2) CI		PINUS VIRGINIANA `DRISCOLL` DRISCOLL`S SHRUB PINE	PVD	
(1) GL - (3) CSA - (2) JSB -		E	CHEDUL	CONCEPT PLANT S
		25,218 SF JNSET ROCK FROM NE CO. OR	GOLDEN SU	C&C SA
CSA	(3) C (2) P	AL.	VED EQUA	APPRO -
PNH	(9) P (2) N	7,390 SF ROCK FROM C&C O. OR APPROVED	GAL ROSE & STONE C	
		N 00 544 05		- -
HW FUEL TANKS		M96,544 SF 7 ALL-PURPOSE REF SEED MIX	ROW MIX.	* * EL PAS
OVERHEAD CANOPY		TENTION 15,933 SF	E SEED- DE	-
CANOPY	HW	CONSERVATION RPOSE MIX. REF	O COUNT	EL PAS
GR FUEL PUMPS				-
	Ţ			



RIGATION SCHEDU	ULE
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
KGR	HUNTER MP2000 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.
	HUNTER MP3000 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.
	HUNTER MP3500 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. LB=LIGHT BROWN ADJUSTABLE ARC, 90-210.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XCZ-100-PRF 1" MEDIUM FLOW DRIP CONTROL KIT, 1" DV VALVE, 1" PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3GPM - 15GPM.
Ē	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.
۲	TREE RING: RAIN BIRD XF SERIES DRIPLINE 2 DRIP RINGS USING 18" EMITTER SPACING @ 0.9 GPH, 12" SPACING FROM TRUNK TO FIRST RING, 30" SPACING FROM TRUNK TO SECOND RING
$\begin{array}{c} + & + & + & + & + \\ + & + & + & + & + \\ + & + &$	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS. FLOW RATES OF 0.5 GPH=BLUE, 1.0 GPH=BLACK, AND 2.0 GPH=RED. COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 0.5 GPH emitters (2 assigned to each #5 CONT. plant)
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
•	RAIN BIRD PESB 1" 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.
	RAIN BIRD 5-LRC 1" 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY.
	RAIN BIRD EFB-CP 1-1/2" 1", 1-1/4", 1-1/2", 2" BRASS MASTER VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.
BF	WATTS U009 1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER
С	RAIN BIRD ESP4ME WITH (1) ESP-SM3 7 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL APPLICATIONS.
A	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.
	RAIN BIRD SMRT-Y SOIL MOISTURE SENSOR KIT. 24VAC @ 50/60 HZ. OPERATING TEMPERATURE: -4 DEGREES F TO 158 DEGREES F. SURVIVAL TEMPERATURE: -40 DEGREES F TO 185 DEGREES F. UL, CUL, C-TICK CERTIFICATIONS.
Μ	WATER METER 1-1/2" 6985 OLD MERIDIAN RD. HYDRANT
\sim	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7 1"
· ·	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1"
· ·	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1 1/2"
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/2"
	PIPE SLEEVE: PVC CLASS 200 SDR 21 SEE IRRIGATION NOTES FOR SIZING



GENERAL IRRIGATION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE A PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND ON THE PLANS.

ARCHITECT OR LICENSED IRRIGATOR.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK. 3. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK. 4. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE

5. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.

PRESSURE.

REQUIREMENTS.

OF ANY TREE.

9. SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR, UNLESS SPECIFIED TO BE LOCATED INSIDE AT WHICH POINT WILL BE PROVIDED BY THE GENERAL CONTRACTOR OR PLUMBER.

10. IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE. 11. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN SO AS TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS OR PROVIDE BLOWOUT ASSEMBLY.

12. ALL LATERAL LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS.

13. IRRIGATION CONTRACTOR SHALL COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE (2) 1" ELECTRICAL CONDUITS FOR IRRIGATION CONTRACTOR'S POWER/DATA CONNECTION TO CONTROLLER. SEE ARCHITECTURAL ELECTRICAL PLAN FOR ELECTRICAL CONNECTION TO THE IRRIGATION CONTROLLER. IRRIGATION CONTRACTOR SHALL COORDINATE CONSTRUCTION OF IRRIGATION SYSTEM WITH GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

14. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN

ON THE PLANS. 15. ALL BELOW GRADE LOW VOLTAGE WIRING CONNECTIONS SHALL BE INSTALLED PER WIRE CONNECTION DETAIL.

16. DO NOT INSTALL IRRIGATION AT PYLON / MONUMENT SIGN LOCATION UNTIL SIGN HAS BEEN INSTALLED. 17. LOCATION FOR IRRIGATION SYSTEM AS SHOWN IS FOR DRAWING PURPOSES ONLY. UNSLEEVED PIPES MAY BE SHOWN IN PAVEMENT AREAS FOR CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPE AREAS WHERE NECESSARY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF PROPOSED IRRIGATION SYSTEM. ALL PROPOSED IRRIGATION LINES AND EQUIPMENT SHALL BE INSTALLED WITHIN THE BOUNDARIES OF THE PROJECT SITE. CONTRACTOR SHALL NOTIFY LANDSCAPE

ARCHITECT OR LICENSED IRRIGATOR IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.

18. MINIMUM COVER FROM TOP OF PIPING TO FINISHED GRADE SHALL BE AS PER DETAIL. 19. IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.

20. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, PER DETAIL 21. ALL MAIN LINE PIPING, NON-PRESSURE PIPING AND CONTROL WIRE SLEEVING SHALL BE INSTALLED IN SEPARATE SLEEVES. ALL LATERAL LINE PIPING UNDER PAVING SHALL BE PVC SCHEDULE 40 AND SHALL BE INSTALLED PRIOR TO ANY HARDSCAPE MATERIAL. IRRIGATION CONTRACTOR TO PROVIDE SLEEVES BETWEEN 12" AND 15" BELOW GRADE AT ALL DRIVE ENTRANCES AND SIDEWALKS. MAINLINE SLEEVE SIZE SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES.

22. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF FENCES, RETAINING WALLS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. THEY SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING AND TIMING, ETC. REFER TO CIVIL ENGINEERING PLANS FOR GRADING, METHODS OF DRAINAGE, IRRIGATION METERS, AND BACKFLOW PREVENTION DEVICE LOCATION.

23. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED, SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, DETAILS AND SPECIFICATIONS. ACCEPTABLE MANUFACTURERS INCLUDE RAINBIRD, HUNTER, TORO, OR NETAFIM

24. ANY DRIP SYSTEM PIPING IN PLANTING BEDS IS DIAGRAMMATIC. CONTRACTOR CAN ROUTE PIPING IN A FREEFORM MANNER (AVOIDING OBJECTS SUCH AS LIGHT POLES, TRANSFORMERS PADS, EQUIPMENT VAULTS, SUBSURFACE ROCK TOO LARGE TO REMOVE, ETC...) AS LONG AS ALL PLANT MATERIAL RECEIVES THE PROPER NUMBER OF EMITTERS PER SCHEDULE AND THE VINYL DISTRIBUTION TUBING DOES NOT EXCEED THE MAXIMUM DESIGN LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.

25. UNLESS OTHERWISE REQUIRED, BACKFLOW PREVENTION DEVICES LESS THAN 2" SHALL BE PLACED IN A WIRE MESH BASKET ENCLOSURE AND PAINTED TO MATCH THE PRIMARY BUILDING COLORS. SEE CIVIL PLANS FOR LOCATION.

26. ALL JOINTS AND BENDS 2" OR LARGER SHALL HAVE CONCRETE THRUST BLOCKING. THRUST BLOCKING SHALL BE A MINIMUM OF 1 CUBIC FOOT OF CONCRETE. PIPE SHALL NOT BE ENCASED IN CONCRETE. SEE DETAIL 31C FOR THRUST BLOCKING.

27. CONTRACTOR WILL PROVIDE OWNER WITH A COMPLETE AND REPRODUCIBLE DRAWING OR IRRIGATION SYSTEM LAYOUT AS IT WAS INSTALLED. DRAWING SHOULD INCLUDE, BUT NOT BE LIMITED TO, LOCATIONS OF ZONES VALVES, MAIN, LATERAL AND DISTRIBUTION LINES, SLEEVES, WATER METER, BACKFLOW PREVENTION DEVICE, SENSORS AND CONTROLLER.

29. ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER-FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S., AND COUNTY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

HIGHWAY 24 & MERIDIAN ROAD LANDSCAPE AND IRRIGATION **100% CONSTRUCTION** DOCUMENTS

A PORTION OF THE SE 1/4 OF SECTION 12, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M. COUNTY OF EL PASO COUNTY, STATE OF COLORADO **JANUARY 2023**

6. CONTRACTOR IS TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OR LICENSED IRRIGATOR IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN THE DESIGN WATER

7. IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED PER LOCAL

8. ANY EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE

28. ALL LATERAL LINE SIZING SHALL REFER TO PIPE SCHEDULE ON THIS PLAN.

IRRIGATION EQUIPMENT NOTES

1. 95 PSI IS ASSUMED, CONTRACTOR TO VERIFY ON SITE AND NOTIFY THE OWNER OR OWNERS REPRESENTATIVE OF ACTUAL PRESSURE ON SITE. 2. ALL IRRIGATION EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

CRITICAL ANALYSIS	
Generated:	2022-11-22 07:12
P.O.C. NUMBER: 01 Water Source Information:	6985 Old Meridian R
ELOW AVAILABLE Vater Meter Size: Flow Available	1-1/2" 40.32 GPM
PRESSURE AVAILABLE Static Pressure at POC: Elevation Change: Service Line Size: ength of Service Line: Pressure Available:	95 PSI 5.00 ft 1 1/2" <u>250 ft</u> 78 PSI
DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available:	19.12 GPM 40.32 GPM 21.2 GPM
Critical Station: Design Pressure: Friction Loss: Fittings Loss: Elevation Loss: Loss through Valve: Pressure Req. at Critical Station: .oss for Fittings: .oss for Fittings: .oss for Main Line: .oss for POC to Valve Elevation: .oss for Backflow: .oss for Master Valve: .oss for Master Valve: .oss for Water Meter: Critical Station Pressure at POC: Pressure Available:	11-R 30 PSI 5.45 PSI 0.54 PSI 0 PSI 2.7 PSI 38.7 PSI 0.23 PSI 2.32 PSI 0 PSI 12.7 PSI 2.3 PSI 0.67 PSI 57.0 PSI 78 PSI

VALVE SCHEDULE VALVE_SCHEDULE

Residual Pressure Available:

NUMBER	MODEL	<u>SIZE</u>	<u>T</u>
1-R 2-S 3-T 4-R 5-S 6-T 7-R 8-R 9-R 10-R 11-R 12-T	RAIN BIRD PESB RAIN BIRD XCZ-100-PRF RAIN BIRD XCZ-100-PRF RAIN BIRD PESB RAIN BIRD XCZ-100-PRF RAIN BIRD XCZ-100-PRF RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD PESB RAIN BIRD PESB	1" 1" 1" 1" 1" 1" 1" 1" 1"	TI SI TI TI TI TI TI TI

21.0 PS



CONSULTANTS:

Know what's **below**.

Excellence by Design 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 PHONE: (719) 575-0100



LAND DEVELOPMENT CONSULTANTS, LLC

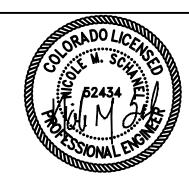
950 S. CHERRY ST., SUITE 512 **DENVER, CO 80246**

OWNER/DEVELOPER

SEAL

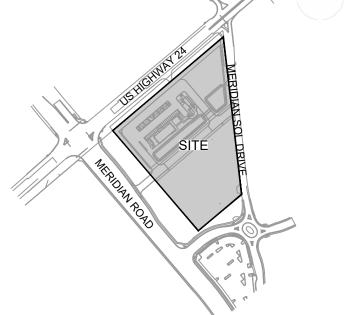


ROCKY MOUNTAINS DIVISION 5500 S QUEBEC STREET, SUITE 100 GREENWOOD VILLAGE, CO 80111 PHONE: (720) 758-6223



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VICINITY MAP:



PROJECT: CIRCLE K STORES INC. LANDSCAPE AND IRRIGATION **100% CONSTRUCTION DOCUMENTS**

HIGHWAY 24 & MERIDIAN ROAD FALCON, CO

REVISION HISTORY:					
NO.	DATE	DESCRIPTION	BY		
1	09/06/2022	PER REVIEW COMMENTS			
2	09/30/2022	75% CD SUBMITTAL			
3	10/07/2022	100% CD SUBMITTAL			
4	12/02/2022	CD 1ST RESUBMITTAL			
5	01/19/2023	CD 2ND RESUBMITTAL			
DR	DRAWING INFORMATION:				
PROJECT NO: 21.1207.037					
DRA	DRAWN BY: KMM				
CHECKED BY: AJP					
DESIGNED BY: KMM					
SHEET TITLE:					

HEEL IIILE

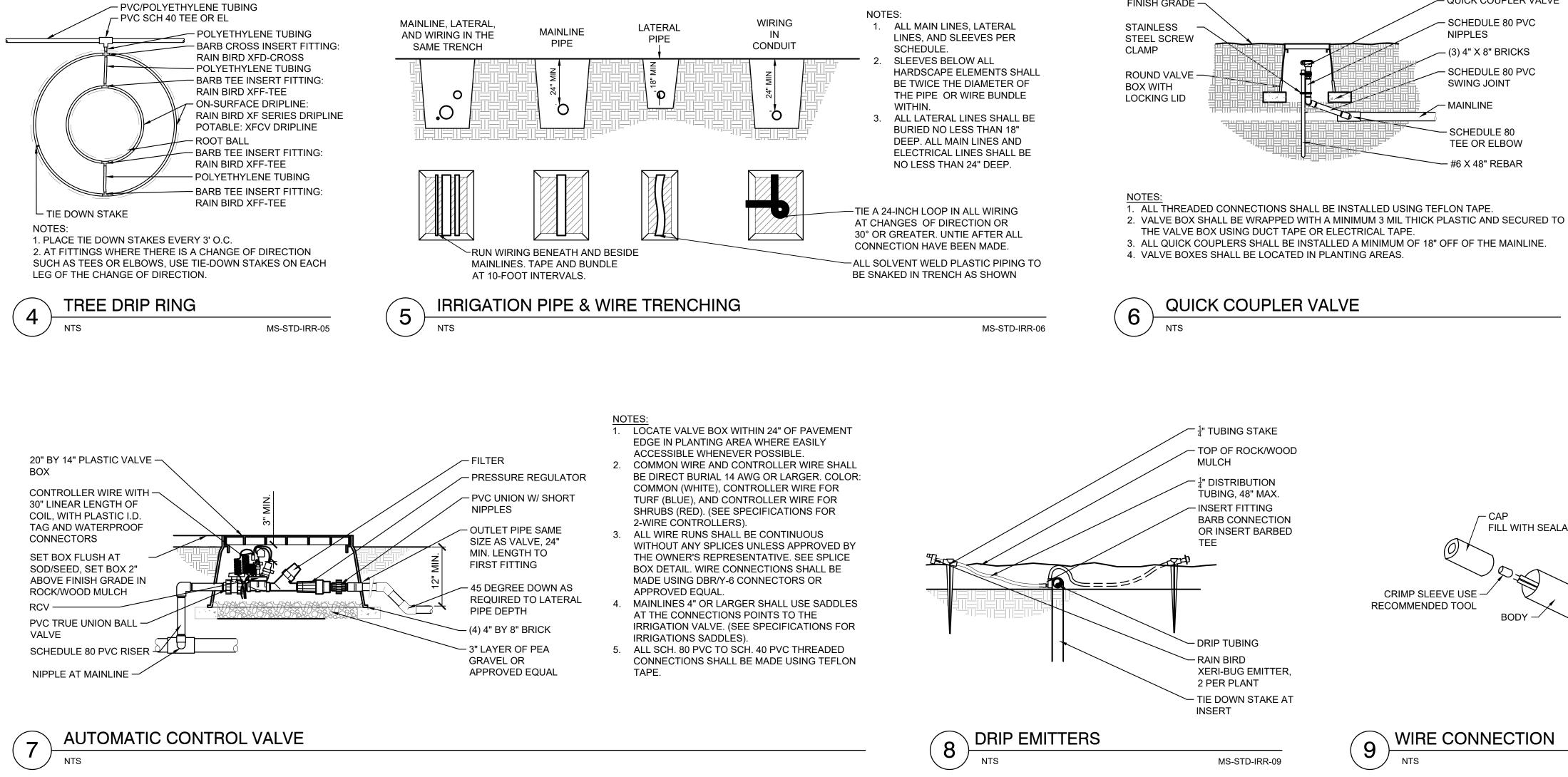


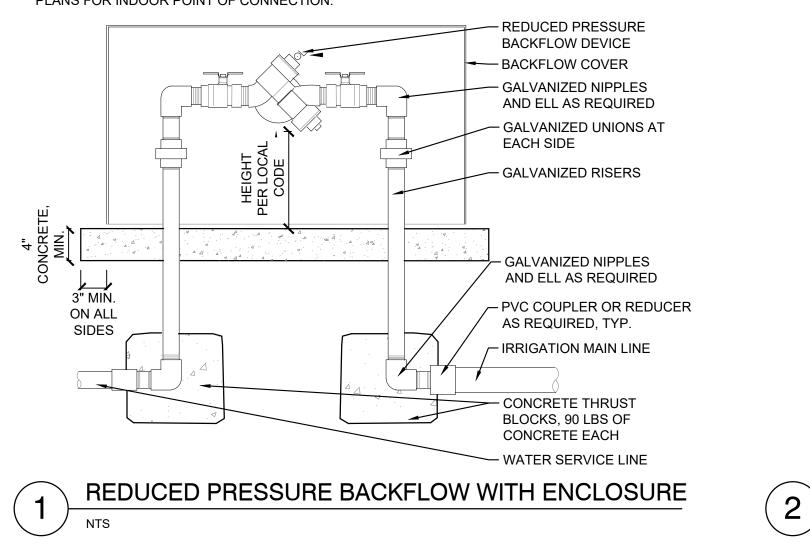
IR01

PCD FILING NO.: PPR2230 ISSUE DATE: JANUARY 2023

Rd. Hydrant

PE	<u>GPM</u>	PRECIP
RF ROTARY RUB DRIP EE DRIP RF ROTARY RUB DRIP EE DRIP RF ROTARY RF ROTARY RF ROTARY RF ROTARY RF ROTARY EF DRIP	8.71 1.68 3.32 18.21 1.350 8.41 12.06 18.36 13.57 17.23 19.12 7.91	0.37 in/h 0.15 in/h 0.49 in/h 0.13 in/h 0.11 in/h 0.49 in/h 0.14 in/h 0.14 in/h 0.13 in/h 0.15 in/h 0.49 in/h
	7.01	0011/11

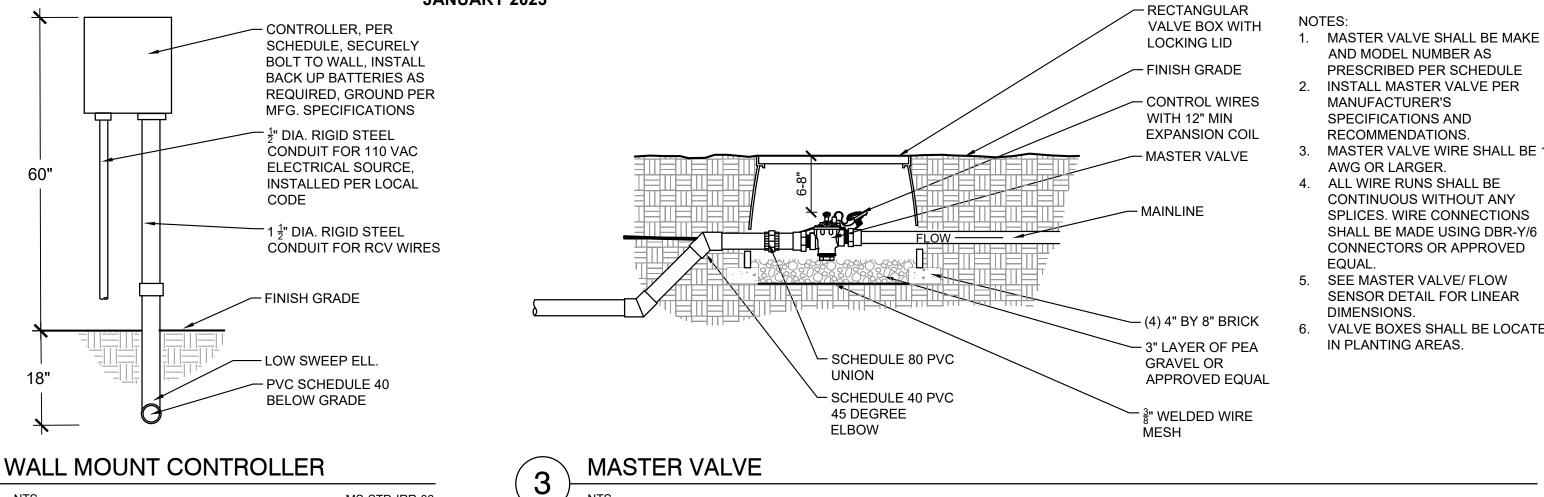




NOTE: FOR OUTDOOR APPLICATION ONLY. SEE ARCHITECTURE PLANS FOR INDOOR POINT OF CONNECTION.

HIGHWAY 24 & MERIDIAN ROAD LANDSCAPE AND IRRIGATION **100% CONSTRUCTION** DOCUMENTS

A PORTION OF THE SE 1/4 OF SECTION 12, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M. COUNTY OF EL PASO COUNTY, STATE OF COLORADO **JANUARY 2023**

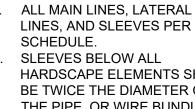


60"

18

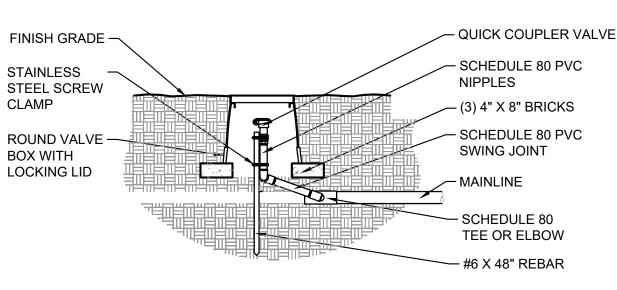
NTS





MS-STD-IRR-03

NTS





CONSULTANTS:

Call before you dig.

Matrix Excellence by Design 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 PHONE: (719) 575-0100

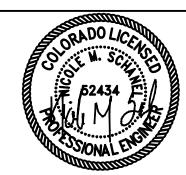


LAND DEVELOPMENT CONSULTANTS, LLC 950 S. CHERRY ST., SUITE 512

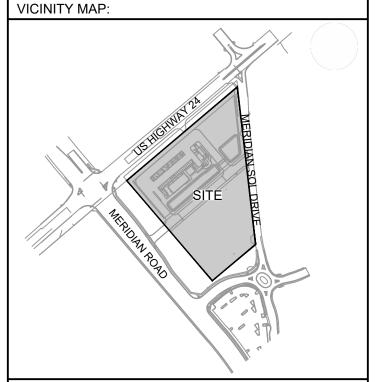
DENVER, CO 80246 OWNER/DEVELOPER

CIRCLE

ROCKY MOUNTAINS DIVISION 5500 S QUEBEC STREET, SUITE 100 GREENWOOD VILLAGE, CO 80111 PHONE: (720) 758-6223 SEAL



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PROJECT: CIRCLE K STORES INC. LANDSCAPE AND IRRIGATION **100% CONSTRUCTION DOCUMENTS**

HIGHWAY 24 & MERIDIAN ROAD FALCON, CO

REVISION HISTORY:				
NO.	DATE	DESCRIPTION	ΒY	
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4	12/02/2022	CD 1ST RESUBMITTAL		
5	01/19/2023	CD 2ND RESUBMITTAL		
DRAWING INFORMATION:				
PROJECT NO: 21.1207.037				
DRAWN BY: KMM				
CHECKED BY: AJP				
DESIGNED BY: KMM				
SHEET TITLE:				

IRRIGATION DETAILS

IR02

PCD FILING NO.: PPR2230 ISSUE DATE: JANUARY 2023

MS-STD-IRR-10

FILL WITH SEALANT

AND MODEL NUMBER AS

MANUFACTURER'S

AWG OR LARGER.

EQUAL

DIMENSIONS.

IN PLANTING AREAS.

SPECIFICATIONS AND

RECOMMENDATIONS.

PRESCRIBED PER SCHEDULE

MASTER VALVE WIRE SHALL BE 14

CONTINUOUS WITHOUT ANY

SPLICES. WIRE CONNECTIONS

CONNECTORS OR APPROVED

SEE MASTER VALVE/ FLOW

SENSOR DETAIL FOR LINEAR

VALVE BOXES SHALL BE LOCATED

SHALL BE MADE USING DBR-Y/6



IRF

RRIGATION SCHEDULE				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION			
KGR	HUNTER MP2000 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.			
	HUNTER MP3000 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.			
	HUNTER MP3500 PROS-04-PRS30-CV TURF ROTATOR, 4" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. LB=LIGHT BROWN ADJUSTABLE ARC, 90-210.			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION			
	RAIN BIRD XCZ-100-PRF 1" MEDIUM FLOW DRIP CONTROL KIT, 1" DV VALVE, 1" PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3GPM - 15GPM.			
Ē	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.			
۲	TREE RING: RAIN BIRD XF SERIES DRIPLINE 2 DRIP RINGS USING 18" EMITTER SPACING @ 0.9 GPH, 12" SPACING FROM TRUNK TO FIRST RING, 30" SPACING FROM TRUNK TO SECOND RING			
$\begin{array}{c} + & + & + & + & + & + \\ + & + & + & + &$	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS. FLOW RATES OF 0.5 GPH=BLUE, 1.0 GPH=BLACK, AND 2.0 GPH=RED. COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 0.5 GPH emitters (2 assigned to each #5 CONT. plant)			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION			
G	RAIN BIRD PESB 1" 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.			
	RAIN BIRD 5-LRC 1" 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY.			
	RAIN BIRD EFB-CP 1-1/2" 1", 1-1/4", 1-1/2", 2" BRASS MASTER VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.			
BF	WATTS U009 1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER			
С	RAIN BIRD ESP4ME WITH (1) ESP-SM3 7 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL APPLICATIONS.			
F 3	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.			
(1)	RAIN BIRD SMRT-Y SOIL MOISTURE SENSOR KIT. 24VAC @ 50/60 HZ. OPERATING TEMPERATURE: -4 DEGREES F TO 158 DEGREES F. SURVIVAL TEMPERATURE: -40 DEGREES F TO 185 DEGREES F. UL, CUL, C-TICK CERTIFICATIONS.			
Μ	WATER METER 1-1/2" 6985 OLD MERIDIAN RD. HYDRANT			
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7 1"			
· ·	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1"			
· ·	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 1 1/2"			
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/2"			
	PIPE SLEEVE: PVC CLASS 200 SDR 21 SEE IRRIGATION NOTES FOR SIZING			

