

# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET

## PROJECT CONTACTS

### PROPERTY OWNER

PARKER MAINSTREET EXCHANGE LLC  
19501 E MAINSTREET, SUITE 200  
PARKER, CO 80138  
TEL: 303-210-4417  
ATTN: TONY MANGO

### APPLICANT/DEVELOPER

PARKER MAINSTREET EXCHANGE LLC  
19501 E MAINSTREET, SUITE 200  
PARKER, CO 80138  
TEL: 303-210-4417  
ATTN: TONY MANGO

### CIVIL ENGINEER

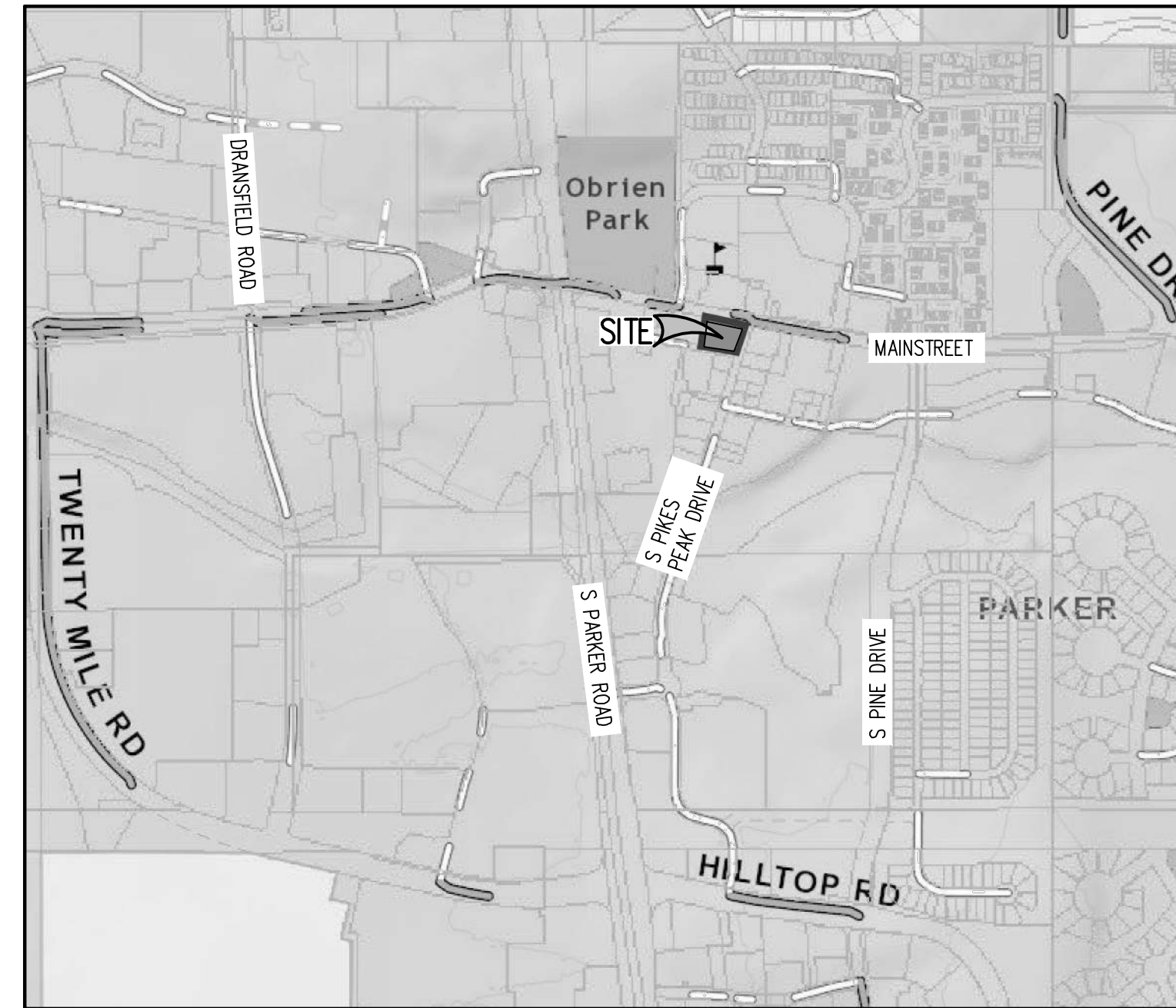
GALLOWAY & COMPANY, INC.  
5500 GREENWOOD PLAZA BLVD, SUITE 200  
GREENWOOD VILLAGE, CO 80111  
TEL: (303) 770-8884  
ATTN: TROY KELTS, PE

### ARCHITECT

GALLOWAY & COMPANY, INC.  
5500 GREENWOOD PLAZA BLVD, SUITE 200  
GREENWOOD VILLAGE, CO 80111  
TEL: (303) 770-8884  
ATTN: GARY RHODES, AIA

### LANDSCAPE ARCHITECT

GALLOWAY & COMPANY, INC.  
5500 GREENWOOD PLAZA BLVD, SUITE 200  
GREENWOOD VILLAGE, CO 80111  
TEL: (303) 770-8884  
ATTN: JON ROMERO, ASLA, PLA



VICINITY MAP  
SCALE: 1" = 1000'

## LEGAL DESCRIPTION

### PARCEL I:

A TRACT OF LAND SITUATED IN THE NORTHEAST 1/4 OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF DOUGLAS, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 22; THENCE SOUTH 0 DEGREES 13 MINUTES 03 SECONDS EAST, ALONG THE WEST LINE OF SAID NORTHEAST 1/4 1276.34 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF EAST

PARKER ROAD; THENCE SOUTH 79 DEGREES 16 MINUTES 30 SECONDS EAST ALONG SAID RIGHT OF WAY LINE 860.80 FEET TO THE NORTHEAST CORNER OF A PARCEL OF LAND DESCRIBED AS PARCEL 3 IN BOUNDARY SURVEY OF A PORTION OF PARKER, COLORADO, JOB NO. 272-3985, DATED JUNE 18, 1981 AND RECORDED JULY 16, 1981 AT RECEPTION NO. 27187 OF THE DOUGLAS COUNTY RECORDS AND THE TRUE POINT OF BEGINNING; THENCE SOUTH 79 DEGREES 22 MINUTES 30 SECONDS EAST ALONG THE SOUTHERLY RIGHT OF WAY LINE OF EAST PARKER ROAD A DISTANCE OF 108.00 FEET TO THE NORTHWEST CORNER OF A PARCEL OF LAND DESCRIBED AS PARCEL 9 IN ABOVE DESCRIBED BOUNDARY SURVEY; THENCE SOUTH 10 DEGREES 37 MINUTES 30 SECONDS WEST ALONG THE WEST LINE OF SAID PARCEL 9 A DISTANCE OF 150.00 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF EAST UNIVERSITY PLACE AND THE SOUTHWEST CORNER OF THE AFOREMENTIONED PARCEL 9; THENCE NORTH 79 DEGREES 22 MINUTES 30 SECONDS WEST ALONG SAID NORTHERLY RIGHT OF WAY LINE OF EAST UNIVERSITY PLACE A DISTANCE OF 108.00 FEET TO THE SOUTHWEST CORNER OF AFOREMENTIONED PARCEL 3; THENCE NORTH 10 DEGREES 37 MINUTES 30 SECONDS EAST ALONG THE EASTERLY LINE OF SAID PARCEL 3 A DISTANCE OF 150.00 FEET TO THE POINT OF BEGINNING.

### PARCEL II:

A TRACT OF LAND SITUATED IN THE NORTHEAST 1/4 OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF DOUGLAS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 22; THENCE SOUTH 09 DEGREES 13 MINUTES 03 SECONDS EAST, ALONG THE WEST LINE OF SAID NORTHEAST 1/4 1276.34 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF EAST PARKER ROAD; THENCE SOUTH 79 DEGREES 16 MINUTES 30 SECONDS EAST, ALONG SAID RIGHT OF WAY LINE 860.80 FEET; THENCE SOUTH 79 DEGREES 22 MINUTES 30 SECONDS EAST, ALONG SAID SOUTH RIGHT OF WAY LINE 108.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 79 DEGREES 22 MINUTES 30 SECONDS EAST, ALONG SAID SOUTH LINE, 102.43 FEET TO THE WEST RIGHT OF WAY LINE OF PIKES PEAK DRIVE; THENCE SOUTH 17 DEGREES 31 MINUTES 30 SECONDS WEST, ALONG SAID WEST RIGHT OF WAY LINE, 151.09 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF EAST UNIVERSITY PLACE; THENCE NORTH 79 DEGREES 22 MINUTES 30 SECONDS WEST, ALONG SAID NORTH RIGHT OF WAY LINE, 84.28 FEET; THENCE NORTH 10 DEGREES 37 MINUTES 30 SECONDS EAST, 150.00 FEET TO THE POINT OF BEGINNING.

## BENCHMARK

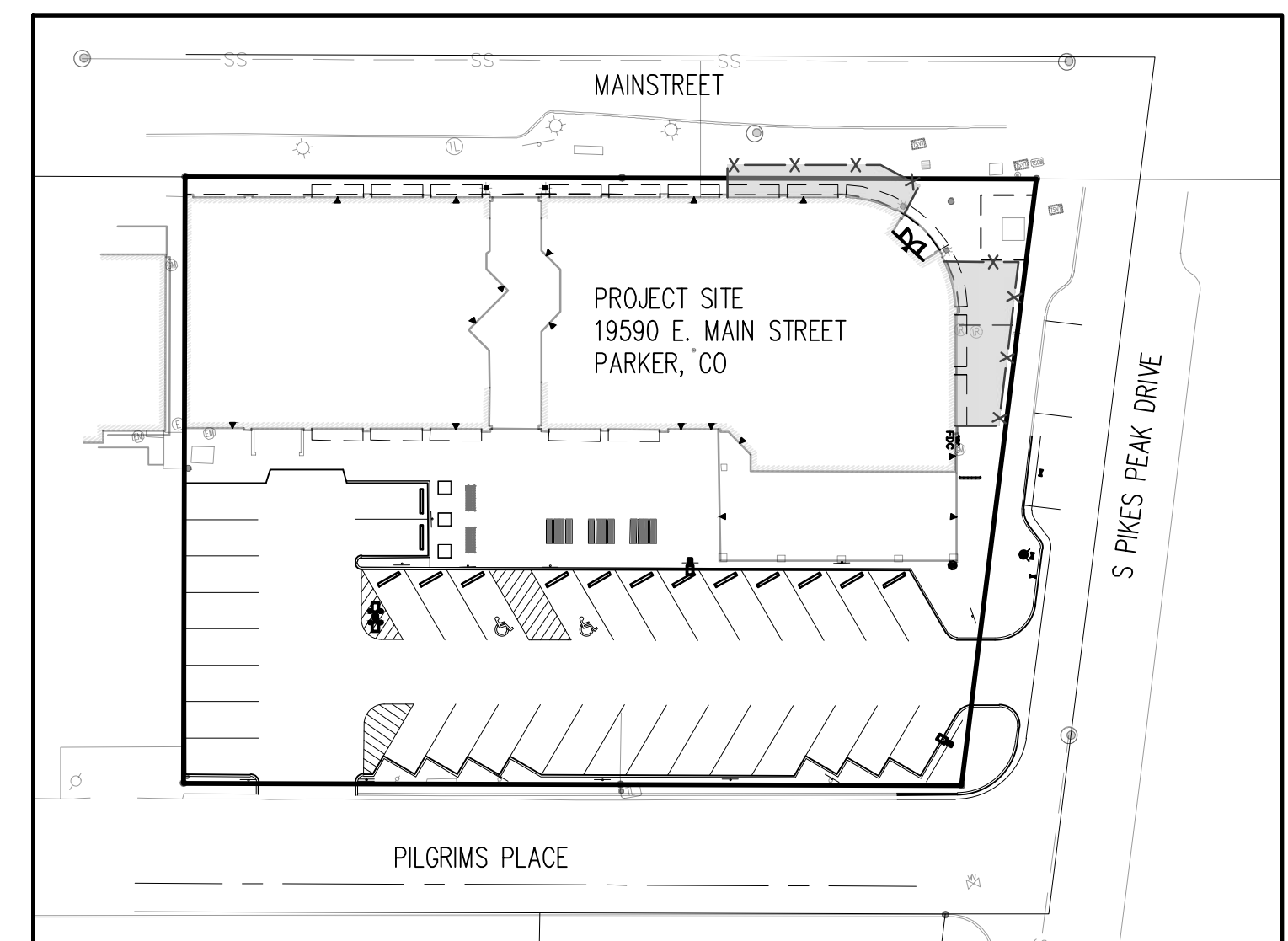
DOUGLAS COUNTY GIS CONTROL MONUMENT 1.085042, A 3.25" ALUMINUM CAP AT THE GROUND SURFACE APPROXIMATELY 92' SOUTH OF THE CENTERLINE OF PIKES PEAK AVENUE AND APPROXIMATELY 433' EAST OF THE CENTERLINE OF PACE CENTER DRIVE, ALSO BEING 42' WEST BY 21' NORTH OF THE CENTERLINES OF THE ADJACENT CONCRETE PATHS. APPROXIMATE POSITION LAT 39.516689 N, LONG -104.754294 W, ELEVATION=5889.09

## BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS N89°33'17"E ALONG THE NORTH LINE OF LOT 1 AND LOT 2 BETWEEN THE FOUND MONUMENTS AS SHOWN HEREON. THIS BEARING IS ASSUMED AS DOES NOT MATCH THE BEARING FOR THE NORTH BOUNDARY OF THE SUBDIVISION.

SITE STATISTICS			
ZONING	GD		
LOT AREA	SE	ACRES	% OF TOTAL
GROSS	30,203	0.693	100%
NET	30,203	0.693	100%
SITE DATA - EXISTING	SE	ACRES	% OF TOTAL
BUILDING AREA	11,264	0.259	37.3%
HARDSCAPE AREA	18,018	0.413	59.7%
LANDSCAPE AREA	921	0.021	3.0%
TOTAL:	30,203	0.693	100%
SITE DATA - PROPOSED	SE	ACRES	% OF TOTAL
BUILDING AREA	12,446	0.286	41.2%
DRIVE AISLES, PARKING, AND SIDEWALK	13,844	0.318	45.8%
LANDSCAPE/PLAZA	3,913	0.089	13.0%
TOTAL:	30,203	0.693	100%
BUILDING HEIGHT	EXISTING	PROPOSED	
	40'	40'	
SETBACKS	FRONT - NORTH	REAR - SOUTH	SIDE - EAST & WEST
REQUIRED	0'	0'	0'
PROPOSED	5'	55'	EAST - 7.7' WEST - 0'
BUILDING ADDITION	SE	LAND USE	
	1,182	OFFICE/RETAIL	
PARKING	EXISTING PROVIDED	PROPOSED PROVIDED	REQUIRED PARKING*
COMMERCIAL MIXED USE	46	39	23
ACCESSIBLE SPACES	1	2	1
BICYCLE PARKING	0	2	2

\* PER SECTION 13.06.050 (1) (2) THE BUILDING EXPANSION ASSOCIATED WITH THIS PROJECT IS LESS THAN 3,000 SQUARE FEET AND IS EXEMPT FROM ADDITIONAL PARKING REQUIREMENTS.



LOCATION MAP  
SCALE: 1" = 40'

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	EXISTING CONDITIONS PLAN
3	SITE PLAN
4	LANDSCAPE PLAN
5	LANDSCAPE DETAILS
6	LANDSCAPE DETAILS
7	IRRIGATION PLAN
8	IRRIGATION DETAILS
9	PHOTOMETRIC PLAN
10	PHOTOMETRIC DETAILS
11	FIRST FLOOR PLAN - EXISTING CONDITIONS
12	SECOND FLOOR PLAN - EXISTING CONDITIONS
13	FIRST FLOOR PLAN - PROPOSED CONSTRUCTION
14	SECOND FLOOR PLAN - PROPOSED CONSTRUCTION
15	ROOF PLAN - PROPOSED CONSTRUCTION
16	PLANNING ELEVATIONS
17	PLANNING ELEVATION DETAILS
18	PLANNING ELEVATION DETAILS
19	EXISTING SITE IMAGES

PREPARED BY:

**Galloway**

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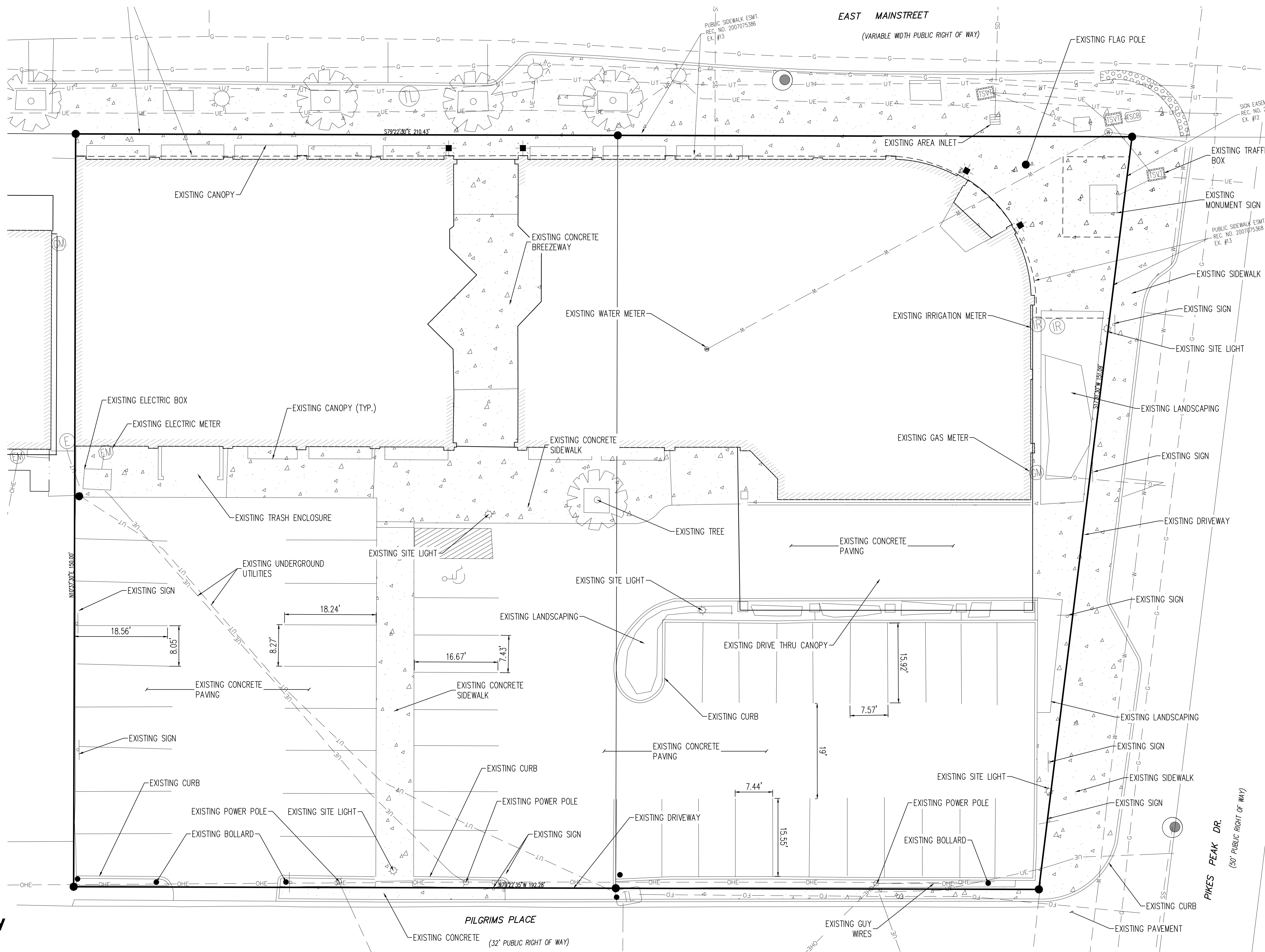
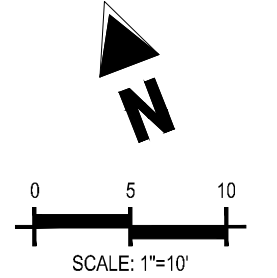
COVER SHEET

1

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# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



**SITE LEGEND**

- PROPERTY BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- - - EXISTING TO REMAIN
- - - EXISTING EASEMENT
- - - EXISTING CURB AND GUTTER
- - - UE - EXISTING UNDERGROUND ELECTRIC LINE
- - - G - EXISTING GAS LINE
- - - SS - EXISTING SANITARY LINE
- - - W - EXISTING WATER LINE
- - - OHE - EXISTING OVERHEAD ELECTRIC LINE
- - - SD - EXISTING STORM LINE
- - - FO - EXISTING FIBER OPTIC LINE
- EXISTING SIGN
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING TELEPHONE POLE
- ⊙ EXISTING SITE LIGHT
- ▭ EXISTING CONCRETE SIDEWALK

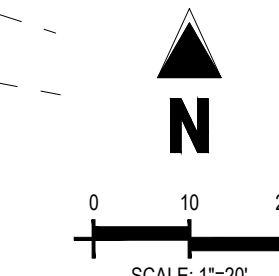
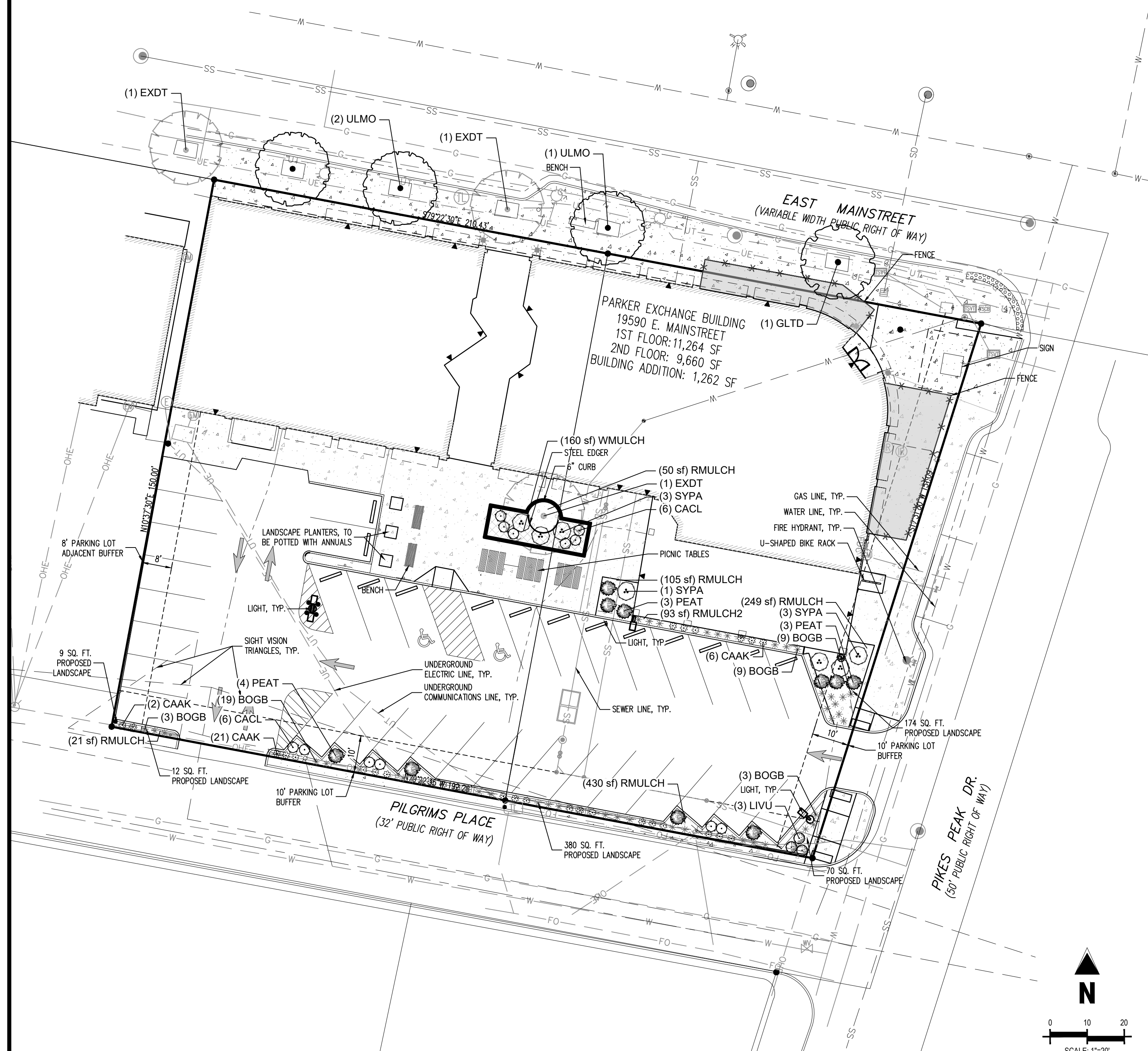
PREPARED BY:  
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EXISTING  
CONDITIONS PLAN  
**2**  
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# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

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CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
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**CAUTION - NOTICE TO CONTRACTOR**

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

811  
Call before you dig.

## PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	CAL / SIZE	HT. X SPD.	WATER USE	LIGHT REQ.
<b>TREES</b>									
	ULMO	3	TRIUMPH™ ELM	ULMUS X 'MORTON GLOSSY'	B&B	2" CAL	50' X35'	MODERATE	SUN/PART SHADE
<b>DECIDUOUS TREES</b>									
	GLTD	1	STREET KEEPER HONEY LOCUST	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES' TM	B&B	2" CAL	45' X20'	LOW	SUN
<b>EXISTING TREES</b>									
	EXDT	3	EXISTING DECIDUOUS TREE	TO REMAIN	EXISTING				
<b>SYMBOL CODE QTY COMMON NAME BOTANICAL NAME CONT. HT. X SPD. WATER USE LIGHT REQ.</b>									
<b>DECIDUOUS SHRUBS</b>									
	CACL	12	BLUE MIST SPIREA	CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	#5 CONT.	3' X3'		VERY LOW	SUN
	LIVU	3	LODENSE PRIVET	LIGUSTRUM VULGARE 'LODENSE'	#5 CONT.	3' X3'		VERY LOW	SUN/PART SHADE
	PEAT	10	RUSSIAN SAGE	PEROVSKIA ATRIPUICIFOLIA	#5 CONT.	4' X4'		VERY LOW	SUN
	SYPA	7	MISS KIM KOREAN LILAC	SYRINGA PATULA 'MISS KIM'	#5 CONT.	5' X5'		VERY LOW	SUN/PART SHADE
<b>EVERGREEN SHRUBS</b>									
	JNSO	1	BUFFALO JUNIPER	JUNIPERUS SABINA 'BUFFALO'	#5 CONT.	1' X6'		VERY LOW	SUN/PART SHADE
<b>ORNAMENTAL GRASSES</b>									
	BOGB	44	BLONDE AMBITION BLUE GRAMA	BOUTELOUA GRACILIS 'BLONDE AMBITION'	#1 CONT.	2' X2'		LOW	SUN/PART SHADE
	CAAK	29	KARL FOERSTER FEATHER REED GRASS	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	#1 CONT.	5' X2'		LOW	SUN
<b>SYMBOL CODE QTY COMMON NAME BOTANICAL NAME TYPE</b>									
<b>MULCH</b>									
	RMULCH	837 SF	2"-4" ROCK COBBLE MULCH 3" REQUIRED DEPTH, WITH WOOD MULCH RING AROUND ALL PLANT MATERIAL, SEE PLANTING NOTES & DETAILS	2"-4" ROCK COBBLE MULCH					MULCH
	RMULCH2	93 SF	4"-6" ROCK COBBLE MULCH 3" REQUIRED DEPTH, WITH WOOD MULCH RING AROUND ALL PLANT MATERIAL, SEE PLANTING NOTES & DETAILS	4"-6" ROCK COBBLE MULCH					MULCH
	WMULCH	160 SF	WOOD MULCH 4" REQUIRED DEPTH, DARK BROWN SHREDDED HARDWOOD MULCH	WOOD MULCH					MULCH

NOTE: REMOVE AND REPLACE ANY TREES ALONG EAST MAINSTREET SHOWING SIGNS OF DIE BACK OR POOR HEALTH

NOTE: EXISTING IRRIGATION SYSTEM TO BE MODIFIED AS REQUIRED.

## LANDSCAPE REQUIREMENTS

CODE SECTION	CATEGORY	FORMULA	CALCULATION	REQUIRED	EXISTING	PROVIDED
13.06.070 (L)(2) a	MIN. SITE LANDSCAPING STANDARDS	10% OF THE SITE SHOULD BE LANDSCAPING/ PLAZA OR OPEN SPACE	30,203 x 10%	3,020 SF	921 SF	1,108 SF (LANDSCAPING) + 1,875 SF (PATIO) + 930 SF (FRONT PATIO) = 3,913 SF
13.06.070 (L)(2) a	MIN. SITE LANDSCAPING STANDARDS	75% LANDSCAPE AREA VEGETATION COVERAGE	TOTAL LANDSCAPE AREA 1,108 SF X 0.75	831 SF	N/A	886 SF (80% VEGETATION COVERAGE)
13.06.070 (L)(5)	MIN. SITE LANDSCAPING STANDARDS	1 TREE / 1500 SF NOT COVERED BY BLDG OR REQ. PARKING	1,108 SF / 1500	1 TREES	1 EXISTING TREE TO REMAIN**	1 EXISTING TREE
13.06.070 (L)(5)	MIN. SITE LANDSCAPING STANDARDS	5 SHRUBS / 1500 SF NOT COVERED BY BLDG OR REQ. PARKING	1,108 SF / 1500 X 5	4 SHRUBS	N/A	16 SHRUBS
13.06.070 (L)(5)	MIN. SITE LANDSCAPING STANDARDS	N/A	N/A	N/A	N/A	73 GRASSES
13.06.070 (M)	STREETSCAPE LANDSCAPING (E. MAINSTREET)	TREES NO GREATER THAN 35 FT APART	210 LF / 35	6 TREES	1 EXISTING TREE	4 REPLACEMENT TREES*
13.06.070 (M)	STREETSCAPE LANDSCAPING (PIKES PEAK)	TREES NO GREATER THAN 40 FT APART	150 LF / 40	4 TREES	0 EXISTING TREE	0 NEW TREES*
13.06.070 (o) 3.	PARKING LOT BUFFER REQUIREMENT (PIKES PEAK)	10' MINIMUM BUFFER OR SAME AS EXISTING	60 LF X 10 SQ. FT.	600 SQ. FT.	86 SQ. FT.**	174 + 70 = 244 SQ. FT.*
13.06.070 (o) 3.	PARKING LOT BUFFER REQUIREMENT (PIKES PEAK)	N/A	N/A	N/A	N/A	11 GRASSES & 7 SHRUBS
13.06.070 (o) 3.	PARKING LOT BUFFER REQUIREMENT (PILGRIMS PLACE)	10' MINIMUM BUFFER OR SAME AS EXISTING	192 LF X 10 SQ. FT.	1,920 SQ. FT. OF BUFFER	220 + 14 + 9 = 243 SQ. FT. 0 GRASSES	380 + 12 + 9 = 401 SQ. FT.*
13.06.070 (o) 3.	PARKING LOT BUFFER REQUIREMENT (PILGRIMS PLACE)	N/A	N/A	N/A	N/A	45 GRASSES & 10 SHRUBS
13.06.070 (o) 6.	PARKING LOTS ADJACENT TO PARKING LOTS (WEST OF PARKING LOT)	8' MINIMUM BUFFER	72 LF X 8 SQ. FT.	576 SQ. FT.	9 SQ. FT.**	9 SQ. FT. + NO ADDITIONAL BUFFER IS PROPOSED*

\*WE ARE UNABLE TO MEET THIS PLANTING REQUIREMENT BASED ON THE LIMITATIONS DUE TO EXISTING HARDSCAPE AND EXISTING TO REMAIN UTILITIES.

\*\*REFERENCE EXISTING CONDITION PLAN

PREPARED BY:  
**Galloway**

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LANDSCAPE PLAN  
**4**

# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
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## PLANTING NOTES

### GENERAL

- ALL WORK SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES, STANDARDS, AND SPECIFICATIONS.
- LANDSCAPE DESIGN IS DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN TAKEOFFS AND QUANTITY CALCULATIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE LANDSCAPE LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN SHALL TAKE PRECEDENCE AND NOTIFY THE LANDSCAPE ARCHITECT OF THESE DISCREPANCIES. MINOR ADJUSTMENTS TO THE LANDSCAPE MATERIAL AND LOCATIONS MAY BE PROPOSED FOR CITY CONSIDERATION AT THE CONSTRUCTION DOCUMENT STAGE TO RESPOND TO MARKET AND FIELD CONDITIONS. HOWEVER, THERE SHALL BE NO REDUCTION IN THE NUMBER AND SIZE OF MATERIALS.
- CONTRACTOR SHALL MAKE HIMSELF AWARE OF THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE UTILITIES AND/OR ANY INJURY TO ANY PERSON. THIS DRAWING IS PART OF A COMPLETE SET OF CONTRACT DOCUMENTS. UNDER NO CIRCUMSTANCES SHOULD THIS PLAN BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE AND REVIEW ALL RELATED PLANS AND DOCUMENTS.
- ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE EQUIPMENT.
- THE CONTRACTOR SHALL TAKE EXTREME CARE NOT TO DAMAGE ANY EXISTING PLANTS INDICATED AS "TO REMAIN". ANY SUCH PLANTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH THE SAME SPECIES, SIZE, AND QUANTITY AT THE CONTRACTOR'S OWN EXPENSE, AND AS ACCEPTABLE TO THE OWNER. REFER TO THE TREE PROTECTION NOTES ON THE PLANS (AS APPLICABLE).
- LANDSCAPE CONTRACTOR SHALL EXAMINE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND NOTIFY THE GENERAL CONTRACTOR IN WRITING OF UNSATISFACTORY CONDITIONS. IF SITE CONDITIONS OR PLANT AVAILABILITY REQUIRE CHANGES TO THE PLAN, THEN AN APPROVAL WILL BE OBTAINED FROM THE CITY. DO NOT PROCEED UNTIL CONDITIONS HAVE BEEN CORRECTED.
- ALL CONSTRUCTION DEBRIS AND MATERIAL SHALL BE REMOVED AND CLEANED OUT PRIOR TO INSTALLATION OF TOPSOIL, TREES, SHRUBS, AND TURF.
- FOR ALL INFORMATION ON SURFACE MATERIAL OF WALKS, DRIVES, AND PARKING LOTS, SEE THE SITE PLAN. SEE PHOTOMETRIC PLAN FOR FREE STANDING LIGHTING INFORMATION.
- THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
- WINTER WATERING SHALL BE AT THE EXPENSE OF THE CONTRACTOR UNTIL SUCH TIME AS FINAL ACCEPTANCE IS RECEIVED.
- ALL LANDSCAPE CONSTRUCTION PRACTICES, WORKMANSHIP, AND ETHICS SHALL BE IN ACCORDANCE WITH INDUSTRY STANDARDS SET FORTH IN THE CONTRACTORS HANDBOOK PUBLISHED BY THE COLORADO LANDSCAPE CONTRACTORS ASSOCIATION.
- LANDSCAPE AND IRRIGATION WORK SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
- ALL CHANGES TO THE APPROVED LANDSCAPE PLAN MUST FIRST BE APPROVED BY THE TOWN OF PARKER PLANNING DEPARTMENT.

### FINISH GRADING AND SOIL PREPARATION

- CONTRACTOR SHALL CONSTRUCT AND MAINTAIN FINISH GRADES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GEOTECHNICAL REPORT, THE GRADING PLANS, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.
- AFTER FINISH GRADES HAVE BEEN ESTABLISHED, IT IS RECOMMENDED THAT THE CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: GENERAL SOIL FERTILITY, PH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR), AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL. CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
- THE CONTRACTOR SHALL RECOMMEND INSTALLATION OF SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT FOR THE THE OWNER/OWNER'S REPRESENTATIVE CONSIDERATION.
- AT A MINIMUM, ALL TOPSOIL SHALL BE AMENDED WITH NITROGEN STABILIZED ORGANIC AMENDMENT COMPOST AT A RATE OF 5.0 CUBIC YARDS AND AMMONIUM PHOSPHATE 16-20-0 AT A RATE OF 15 POUNDS PER THOUSAND SQUARE FEET OF LANDSCAPE AREA. COMPOST SHALL BE MECHANICALLY INTEGRATED INTO THE TOP 6" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING. GROUND COVER & PERENNIAL BED AREAS SHALL BE AMENDED AT A RATE OF 8 CUBIC FEET PER THOUSAND SQUARE FEET OF NITROGEN STABILIZED ORGANIC AMENDMENT AND 10 LBS. OF 12-12-12 FERTILIZER PER CU. YD., ROTOTILLED TO A DEPTH OF 8". NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED FOR ORGANIC AMENDMENTS.

### PLANTING

- ALL DECIDUOUS TREES SHALL HAVE FULL, WELL-SHAPED HEADS/ALL EVERGREENS SHALL BE UNSHEARED AND FULL TO THE GROUND; UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
  - ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
  - ALL TREES SHALL BE GUYED AND WOOD STAKED AS PER DETAILS. NO "T-STAKES" SHALL BE USED FOR TREES.
  - ALL PLANT MATERIALS SHALL BE TRUE TO TYPE, SIZE, SPECIES, QUALITY, AND FREE OF INJURY, BROKEN ROOT BALLS, PESTS, AND DISEASES, AS WELL AS CONFORM TO THE MINIMUM REQUIREMENTS DESCRIBED IN THE "AMERICAN STANDARD FOR NURSERY STOCK". FOLLOW GREENCO TREE PLANTING RECOMMENDATIONS FOR MINIMUM QUALITY REQUIREMENTS FOR TREES.
  - ALL TREE AND SHRUB BED LOCATIONS ARE TO BE STAKED OUT ON SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  - ALL TREES PLANTED ADJACENT TO PUBLIC AND/OR PEDESTRIAN WALKWAYS SHALL BE PRUNED CLEAR OF ALL BRANCHES BETWEEN GROUND AND A HEIGHT OF EIGHT (8) FEET FOR THAT PORTION OF THE PLAN LOCATED OVER THE SIDEWALK AND/OR ROAD.
  - ALL PLANT MATERIAL SHALL NOT BE PLANTED PRIOR TO INSTALLATION OF TOPSOIL.
  - ALL PLANT BEDS SHALL BE CONTAINED WITH STEEL EDGER. STEEL EDGER IS NOT REQUIRED ALONG CURBS, WALKS OR BUILDING FOUNDATIONS. ALL EDGING SHALL OVERLAP AT JOINTS A MINIMUM OF 6-INCHES, AND SHALL BE FASTENED WITH A MINIMUM OF 4 PINS PER EACH 10 FOOT SECTION. THE TOP OF ALL EDGING MATERIAL SHALL BE A ROLLED TOP AND 1/2 INCH ABOVE THE FINISHED GRADE OF ADJACENT LAWN OR MULCH AREAS. COLOR: BLACK.
  - THE DEVELOPER, HIS SUCCESSOR, OR ASSIGNEE SHALL BE RESPONSIBLE FOR ESTABLISHING AND CONTINUING A REGULAR PROGRAM OF MAINTENANCE FOR ALL LANDSCAPED AREAS. SEE LANDSCAPE GUARANTEE AND MAINTENANCE NOTE.
  - A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF ALL FIRE HYDRANTS.
  - LANDSCAPE CONTRACTOR TO SUBMIT SAMPLES OF MISCELLANEOUS LANDSCAPING MATERIALS TO THE LANDSCAPE ARCHITECTS AND OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION, I.E.: MULCH, EDGER, LANDSCAPE FABRIC, ETC.
- ### MULCHING
- AFTER ALL PLANTING IS COMPLETE, THE CONTRACTOR SHALL INSTALL A MINIMUM 4" THICK LAYER OF MULCH AS SPECIFIED IN THE PLANTING LEGEND. INSTALL A 4" THICK RING OF DOUBLE SHREDED CEDAR BARK MULCH AROUND ALL PLANT MATERIAL IN ROCK MULCH BEDS WHERE LANDSCAPING IS SHOWN ON THE PLANS. WOOD MULCH RING SIZE SHALL BE THE CONTAINER SIZE OF THE SHRUBS, PERENNIALS, AND ORNAMENTAL GRASSES. TREE RING SIZE SHALL A MIN OF 3" DIA.
  - ALL MULCH SHALL BE HARVESTED IN A SUSTAINABLE MANNER FROM A LOCAL SOURCE.
  - GEOTEXTILE FABRIC IS REQUIRED FOR ALL SHRUB AND ORNAMENTAL GRASS BEDS. INSTALL DEWITT PRO-5 WEED BARRIER FABRIC UNDER ALL PLANTING BEDS. NO PLASTIC WEED BARRIERS SHALL BE SPECIFIED.
  - ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED.
  - ALL PLANTING AREAS WITH LESS THAN A 4:1 GRADIENT SHALL RECEIVE A LAYER OF MULCH, TYPE AND DEPTH PER PLANS. SUBMIT 1 CUBIC FOOT SAMPLE OF MULCH (ONE SAMPLE PER TYPE) TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE MULCH SHALL BE SPREAD EVENLY THROUGHOUT ALL PLANTING AREAS EXCEPT SLOPES 4:1 OR STEEPER, OR AS OTHERWISE DENOTED ON THE PLAN. ABSOLUTELY NO EXPOSED GROUND SHALL REMAIN IN AREAS TO RECEIVE MULCH AFTER MULCH HAS BEEN INSTALLED.
  - ALL PLANTING AREAS ON SLOPES OVER 4:1 SHALL RECEIVE COCONUT FIBER EROSION CONTROL NETTING FROM ROLLS. NETTING SHALL BE #CT-125, AS MANUFACTURED BY NORTH AMERICAN GREEN (OR EQUAL). INSTALL AND STAKE PER MANUFACTURER'S SPECIFICATIONS. SEE ALSO THE CIVIL ENGINEER'S EROSION CONTROL PLAN.

## UTILITY NOTES

- THE LANDSCAPE CONTRACTOR IS REQUIRED TO CONTACT THE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER PUBLIC OR PRIVATE AGENCY NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION.
- THIS DRAWING IS A PART OF A COMPLETE SET OF BID DOCUMENTS, SPECIFICATIONS, ADDITIONAL DRAWINGS, AND EXHIBITS. UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE, AND REVIEWING ALL RELATED DOCUMENTS.
- THE LOCATION OF THE ALL UNDERGROUND UTILITIES ARE LOCATED ON THE ENGINEERING DRAWINGS FOR THIS PROJECT. THE MOST CURRENT REVISION IS HERE IN MADE PART OF THIS DOCUMENT. UNDERGROUND UTILITIES EXIST THROUGHOUT THIS SITE AND MUST BE LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITY. WHERE UNDERGROUND UTILITIES EXIST, FIELD ADJUSTMENT MAY BE NECESSARY AND MUST BE APPROVED BY A REPRESENTATIVE OF THE OWNER. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL, AND UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED WITHOUT REFERENCING THE ABOVE MENTIONED DOCUMENTS.

## IRRIGATION CONCEPT

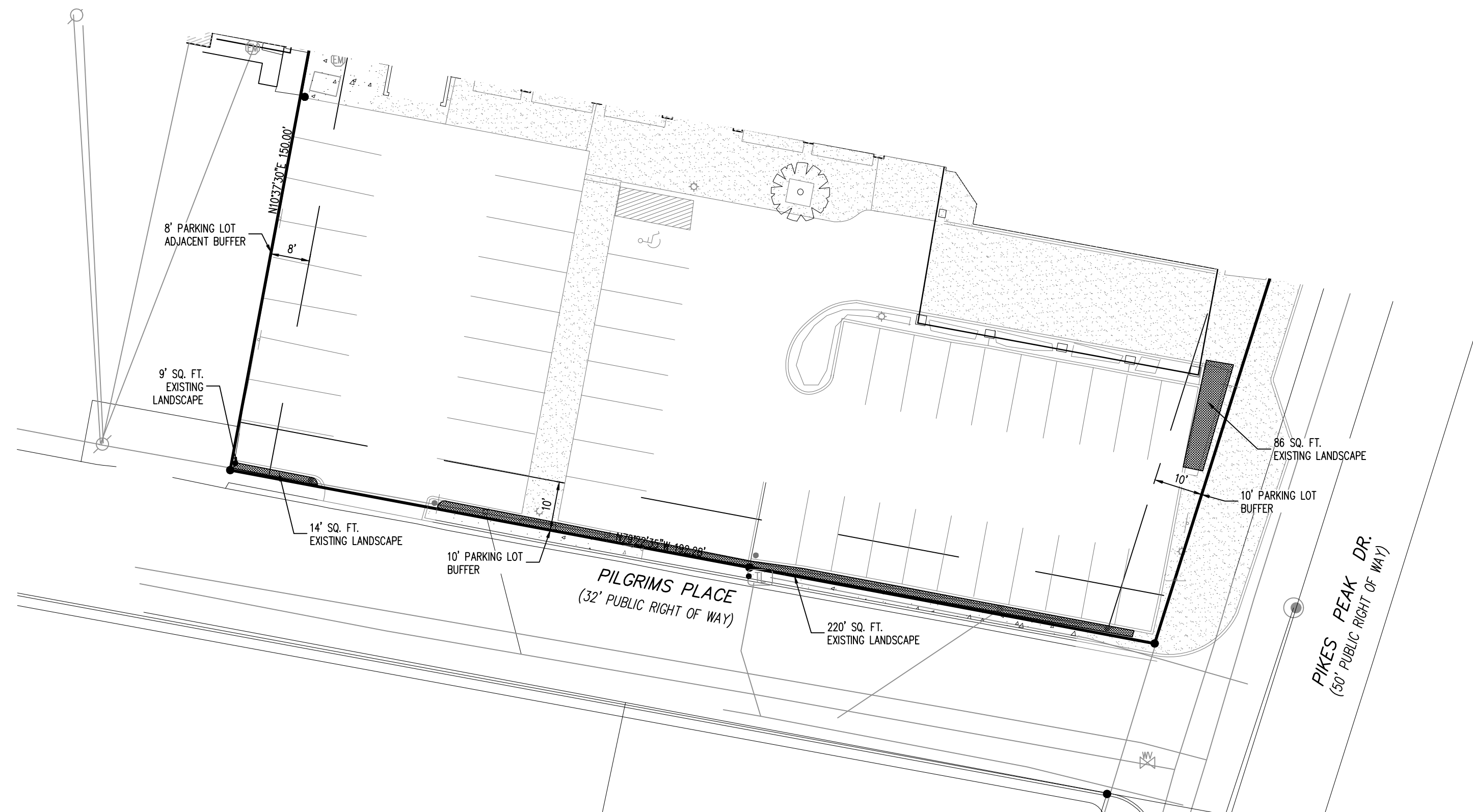
- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A QUALIFIED IRRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE WATER SOURCE IF APPLICABLE.
- ALL NON-TURF/SEED PLANTED AREAS WILL BE DRIP IRRIGATED. TURF SOD/SEED SHALL RECEIVE POP-UP SPRAY IRRIGATION FOR HEAD TO HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND SMART MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

## LANDSCAPE GUARANTEE AND MAINTENANCE

- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S ACCEPTANCE. THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
- THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A NEAT, CLEAN, AND HEALTHY CONDITION FOR A PERIOD OF 90 DAYS. THIS SHALL INCLUDE PROPER PRUNING, MOWING AND AERATION OF LAWNS, WEEDING, REPLACEMENT OF MULCH, REMOVAL OF LITTER, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. IRRIGATION SHALL BE MAINTAINED IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON AND TO MAXIMIZE WATER CONSERVATION. IF SITE OPENS DURING WINTER, TO AVOID FREEZE DAMAGE ON PLANTINGS, THE 90 DAYS SHOULD BEGIN AFTER ACCEPTANCE OF THE WORK.
- DURING THE LANDSCAPE MAINTENANCE PERIOD, THE LANDSCAPE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES IN ALL LANDSCAPE AREAS AT THE MINIMUM SLOPE SPECIFIED IN THE GEOTECHNICAL REPORT. LANDSCAPE AREAS WHICH SETTLE AND CREATE THE POTENTIAL FOR PONDING SHALL BE REPAIRED TO ELIMINATE PONDING POTENTIAL AND BLEND IN WITH THE SURROUNDING GRADES. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GEOTECHNICAL REPORT, THE GRADING PLANS, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.

## EXISTING LANDSCAPE EXHIBIT

1"=20'



## TREE PROTECTION NOTES:

- USE TOWN OF PARKER TREE PROTECTION NOTES (IF AVAILABLE). TREE PROTECTION NOTES BELOW SHALL BE USED FOR FURTHER INTEGRATION.
- "PROTECTED ZONE" FOR EXISTING TREES: BEFORE BEGINNING ANY DEMO OR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND ALL EXISTING TREES WITHIN THE CONSTRUCTION ZONE THAT ARE TO BE SAVED. THE FENCE SHALL BE INSTALLED NO CLOSER TO THE TREE THAN THE EDGE OF THE TREE'S PROTECTED ZONE, GENERALLY DEFINED AS THE AREA BEGINNING FIVE FEET OUTSIDE OF THE TREE'S DRIPLINE AND EXTENDING TOWARDS THE TREE (OR AS FAR AWAY FROM THE TRUNK AS PRACTICABLE). THE FENCING SHALL BE OF A MATERIAL AND HEIGHT ACCEPTABLE TO THE LANDSCAPE ARCHITECT. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THIS "PROTECTED ZONE" NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE PROTECTED ZONE EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION OPERATIONS.
- TEMPORARY MULCH: TO ALLEVIATE SOIL COMPACTION IN ANTICIPATED AREAS OF HIGH CONSTRUCTION TRAFFIC, AND ONLY WHERE FENCING CANNOT BE SET FIVE FEET OUTSIDE OF THE DRIPLINE, THE CONTRACTOR SHALL INSTALL A LAYER OF MULCH 9"-12" THICK OVER ALL EXPOSED EARTH FROM THE TREE TRUNK TO 5' OUTSIDE OF THE DRIPLINE. THIS LAYER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. WHEN PLANTING OPERATIONS ARE COMPLETED, THE MULCH SHALL BE REDISTRIBUTED THROUGHOUT ALL PLANTING AREAS IN A 3" THICK "PERMANENT" MULCH LAYER.
- NECESSARY WORK: WHEN IT BECOMES NECESSARY TO ENTER THE "PROTECTED ZONE", SUCH AS FOR FINE GRADING, IRRIGATION INSTALLATION, AND PLANTING OPERATIONS, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE FOLLOWING RULES:
  - EVERY EFFORT SHALL BE MADE TO PRESERVE THE EXISTING GRADE AROUND PROTECTED TREES IN AS WIDE AN AREA AS POSSIBLE.
  - TRENCHING WITHIN THE PROTECTED ZONE OF EXISTING TREES SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 1-1/2" IN DIAMETER AND LARGER. WHERE ROOTS 1-1/2" IN DIAMETER AND LARGER ARE ENCOUNTERED, THE CONTRACTOR SHALL TUNNEL UNDER SAID ROOTS. EXPOSED ROOTS THAT HAVE BEEN TUNNELED UNDER SHALL BE WRAPPED IN WET BURLAP AND KEPT MOIST WHILE THE TRENCH IS OPEN.
  - WHERE ROOTS 1-1/2" IN DIAMETER OR LARGER MUST BE CUT DUE TO EXTENSIVE GRADE CHANGES, THOSE ROOTS MUST BE EXPOSED BY HAND DIGGING AND CUT CLEANLY. RAGGED CUTS GENERALLY DO NOT HEAL PROPERLY, AND MAY LEAVE THE TREE OPEN TO PESTS AND PATHOGENS.
  - WHERE TRENCHING NEAR TREES HAS ALREADY OCCURRED FROM PREVIOUS CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CONFINE HIS TRENCHING OPERATIONS TO THE PREVIOUSLY-CREATED TRENCHES, WHILE ADHERING TO THE CONDITIONS SET FORTH IN 3B.
- POTENTIAL CONFLICTS: THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARBORIST SHOULD ANY POTENTIAL CONFLICTS ARISE BETWEEN THESE SPECIFICATIONS AND/OR LARGE ROOTS ENCOUNTERED IN THE FIELD, AND CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT TAKE ANY ACTION IN SUCH CONFLICTS WITHOUT THE ARBORIST'S WRITTEN APPROVAL. THE ARBORIST SHALL HAVE FINAL AUTHORITY OVER ALL METHODS NECESSARY TO HELP ENSURE THE PROTECTION AND SURVIVAL OF EXISTING TREES.
- PRUNING: PRUNE ONLY THE TREES THAT ARE INDICATED ON THE PLANS AS REQUIRING PRUNING. PRUNE TREES ACCORDING TO INTERNATIONAL SOCIETY OF ARBORICULTURE / ANSI A300 STANDARDS:
  - REMOVE ALL DEAD WOOD.
  - PRUNE LIVE WOOD FOR HEALTH OR STRUCTURAL REASONS ONLY, INCLUDING THE NEED TO ELIMINATE DISEASED OR DAMAGED GROWTH, ELIMINATE STRUCTURALLY UNSOUND GROWTH, REDUCE THE POTENTIAL FOR WIND TOPPLING OR WIND DAMAGE, OR TO MAINTAIN GROWTH WITHIN LIMITED SPACE. DO NOT REMOVE MORE THAN 25% OF ANY TREE'S LIVE FOLIAGE IN ANY ONE GROWING SEASON. PRUNE ONLY TO INTERNATIONAL SOCIETY OF ARBORICULTURE/ANSI A300 STANDARDS, AND ONLY UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST.
  - FINAL CUTS SHALL BE MADE JUST OUTSIDE THE SHOULDER RING AREA. EXTREMELY FLUSHED CUTS WHICH PRODUCE LARGE WOUNDS SHALL NOT BE MADE.
  - ALL TRIMMING CUTS SHALL BE PERFORMED IN SUCH A MANNER AS TO PROMOTE THE NATURAL GROWTH AND SHAPE OF EACH TREE SPECIES.
  - IMPROPER PRUNING METHODS INCLUDING, BUT NOT LIMITED TO, "TOPPING", "TIPPING", "HEADING BACK", "DEHORNING", AND "LIONTAILING" WILL NOT BE ALLOWED. THE CONTRACTOR SHALL PAY FOR ALL WORK NECESSARY TO CORRECT SUCH PRUNING WHEN PERFORMED BY HIS CREWS OR SUBCONTRACTORS.
  - SHOULD THE CONTRACTOR REQUIRE MORE INFORMATION, THE CONTRACTOR SHALL CONTACT THE ISA AT (217) 355-9411 FOR A COPY OF THE ANSI A300 PRUNING STANDARDS. CONTRACTOR SHALL ADHERE TO THE METHODS AND PRACTICES SET FORTH IN THIS DOCUMENT.
- LANDSCAPE AND IRRIGATION (NATIVE TREES ONLY): ANY FUTURE LANDSCAPE AND IRRIGATION SHOULD ADHERE TO THE FOLLOWING GUIDELINES:
  - NO IRRIGATION OR PLANTING SHOULD OCCUR CLOSER THAN 8'-10' FROM THE TRUNK.
  - WHERE IRRIGATION DOES OCCUR WITHIN THE PROTECTED ZONE, DRIP IRRIGATION SHOULD BE USED WHEREVER POSSIBLE. ADDITIONALLY, ONLY PLANTS WITH LOW WATER NEEDS SHOULD BE PLANTED WITHIN THE PROTECTED ZONE. SPACED FAR APART WHERE CLOSE TO THE TREE. PLANTS MAY BE SPACED CLOSER TOGETHER NEAR THE EDGE OF THE PROTECTED ZONE.

PREPARED BY:

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LANDSCAPE DETAILS

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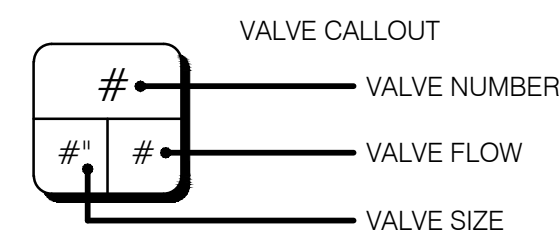


# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET

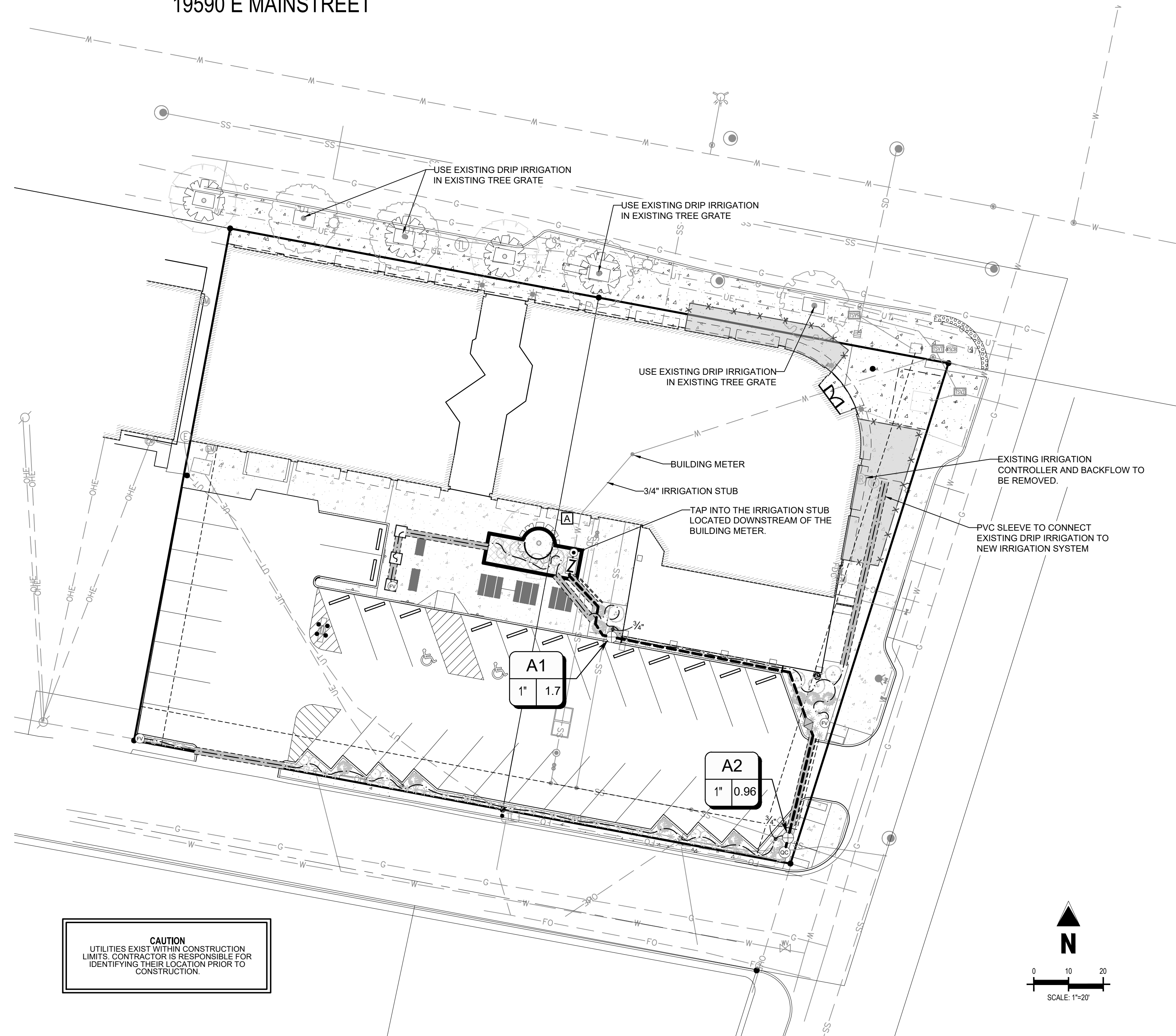
## IRRIGATION\_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
⊕	HUNTER ICZ-101-25-LF 1" DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 25 PSI. FLOW RANGE: .5 GPM - 15 GPM. 150 MESH STAINLESS STEEL SCREEN.	DETAIL 1 SHEET IR2.0
⊗	NIBCO 4660-T 3/4" SCHEDULE 40 MANUAL FLUSH VALVE. CONNECT TO DRIP POLYTUBING FOR WINTERIZATION/BLOWOUT.	DETAIL 2 SHEET IR2.0
⊖	AREA TO RECEIVE DRIP EMITTERS HUNTER HE-B POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5 GPH, 1.0 GPH, 2.0 GPH, 4.0 GPH, AND 6.0 GPH. CAN BE INSERTED INTO 1/2IN. AND 3/4IN. TUBING AND HAVE PRESSURE COMPENSATING FROM 15 PSI-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.  <i>Emitter schedule:</i> - 1 gallon and smaller: 2, HEB-5-B Emitter per plant (1 GPH total) - 5 gallon: 2, HEB-10-B Emitter per plant (2 GPH total) - 10-15 gallons & Upright Junipers: 3, HEB-10-B Emitter per plant (3 GPH total) - 1" to 2-1/2" caliper trees: 4, HEB-10-B Emitter per plant (4 GPH total) - 3" to 4" caliper trees: 6, HEB-10-B Emitter per plant (6 GPH total)	DETAIL 3 SHEET IR2.0
⊙	HUNTER HQ-44LRC 1" QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY.	DETAIL 4 SHEET IR2.0
⬠	SHUT OFF VALVE- NIBCO 4660-S DESCRIPTION: SCHEDULE 40 MANUAL BALL VALVE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 3/4" - 3"	DETAIL 5 SHEET IR2.0
Ⓝ	FEBCO 825Y 3/4" REDUCED PRESSURE BACKFLOW PREVENTER	DETAIL 6 SHEET IR2.0
A	HUNTER P2C-400 LIGHT COMMERCIAL & RESIDENTIAL CONTROLLER, 4-STATION BASE MODULE CONTROLLER, 120 VAC, OUTDOOR/INDOOR MODEL	N/A
⊙	IRRIGATION POINT OF CONNECTION TAP INTO THE IRRIGATION STUB LOCATED DOWNSTREAM OF THE BUILDING METER.	N/A
---	IRRIGATION DRIP SUPPLY TUBING: POLYETHYLENE PIPE SIZE: 3/4"	DETAIL 7 SHEET IR2.0
---	IRRIGATION MAINLINE: CLASS 200 PVC SIZE: 1" UNLESS OTHERWISE NOTED ON THE PLAN	DETAIL 7 SHEET IR2.0
---	IRRIGATION SERVICE LINE: K COPPER SIZE: 3/4"	DETAIL 7 SHEET IR2.0
---	WIRE SLEEVE: PVC SCHEDULE 40 SIZE: 1"	DETAIL 7 SHEET IR2.0
---	PIPE SLEEVE: PVC SCHEDULE 40 SIZE: DOUBLE THE SIZE OF PIPE INSERTED	DETAIL 7 SHEET IR2.0

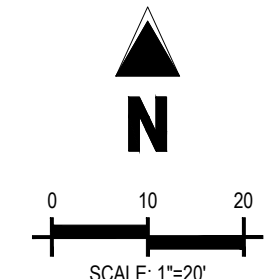


### WIRING/SLEEVING NOTES

IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 1-1/2" DIA.



**CAUTION**  
UTILITIES EXIST WITHIN CONSTRUCTION LIMITS. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THEIR LOCATION PRIOR TO CONSTRUCTION.



### IRRIGATION DISCLAIMER

- DRAWINGS ARE DIAGRAMMATIC. IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF PLANTING AREAS FOR CLARITY ONLY. CONTRACTOR SHALL AVOID CONFLICTS WITH PLANT MATERIALS AND ARCHITECTURAL FEATURES. ALL PIPING AND WIRING SHALL BE INSTALLED IN PLANTING AREA OR IN SLEEVES. NO PIPING UNDER TREES OR SHRUBS WILL BE ACCEPTED.
- CONTRACTOR SHALL INSTALL MAINLINES ±12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS.
- THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE AND VISIBLE IRRIGATION EQUIPMENT (CONTROLLERS, BACKFLOW PREVENTERS, METER PITS, ETC.) WITH THE OWNER'S AUTHORIZED REPRESENTATIVE AND / OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE INSTALLATION OF THESE ITEMS SHALL BE INTEGRATED WITHIN DESIGNATED LANDSCAPE AREAS. FAILURE TO LOCATE THIS EQUIPMENT IN AN APPROVED LOCATION MAY RESULT IN THE IRRIGATION CONTRACTOR BEING REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION OF ANY COMPONENT OF THE IRRIGATION SYSTEM. AFTER FIELD VERIFICATION, THE IRRIGATION CONTRACTOR SHALL NOTIFY THE OWNER, OWNER'S REPRESENTATIVE, LANDSCAPE ARCHITECT, & IRRIGATION DESIGNER OF THE PRESSURE READING FOR THE TAP.
- ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 5' AWAY FROM ANY BUILDING FOUNDATION. ADDITIONAL REQUIREMENTS MAY BE LISTED IN THE GEOTECHNICAL REPORT REGARDING IRRIGATION NEAR BUILDING FOUNDATIONS. CONTRACTOR IS RESPONSIBLE TO ABIDE BY THE 5' MINIMUM DISTANCE AND/OR THE GEOTECHNICAL REPORT REQUIREMENTS, IF THIS EQUIPMENT IS SHOWN WITHIN THE 5' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY.
- REFER TO SHEET IR2.0 FOR IRRIGATION NOTES AND IRRIGATION DETAILS.

### CONTRACTOR NOTE

- CONTRACTOR TO ENSURE IRRIGATION SYSTEM IS IN PLACE AND OPERATIONAL PRIOR TO INSTALLATION.
- CONTRACTOR TO RETROFIT AND EXTEND THE EXISTING IRRIGATION SYSTEM TO NEWLY ADDED PLANT MATERIAL SHOWN ON THE LANDSCAPE PLAN.
- ALL IRRIGATION EQUIPMENT AND COMPONENTS USED, SHALL MATCH THE EXISTING IRRIGATION SYSTEM.
- CONTRACTOR TO ENSURE THE RETROFITTED IRRIGATION SYSTEM IS OPERATIONAL UPON COMPLETION.
- CONTACT THE LANDSCAPE ARCHITECT WITH ANY QUESTIONS REGARDING THIS RETROFIT.

### UTILITY NOTES

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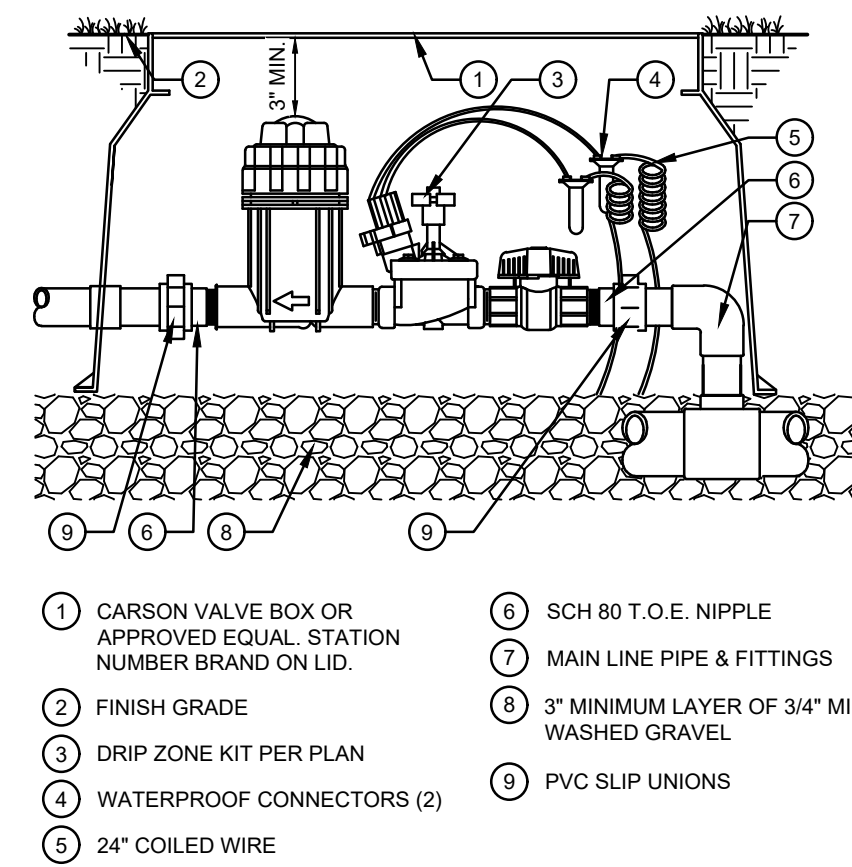
IRRIGATION PLAN

7

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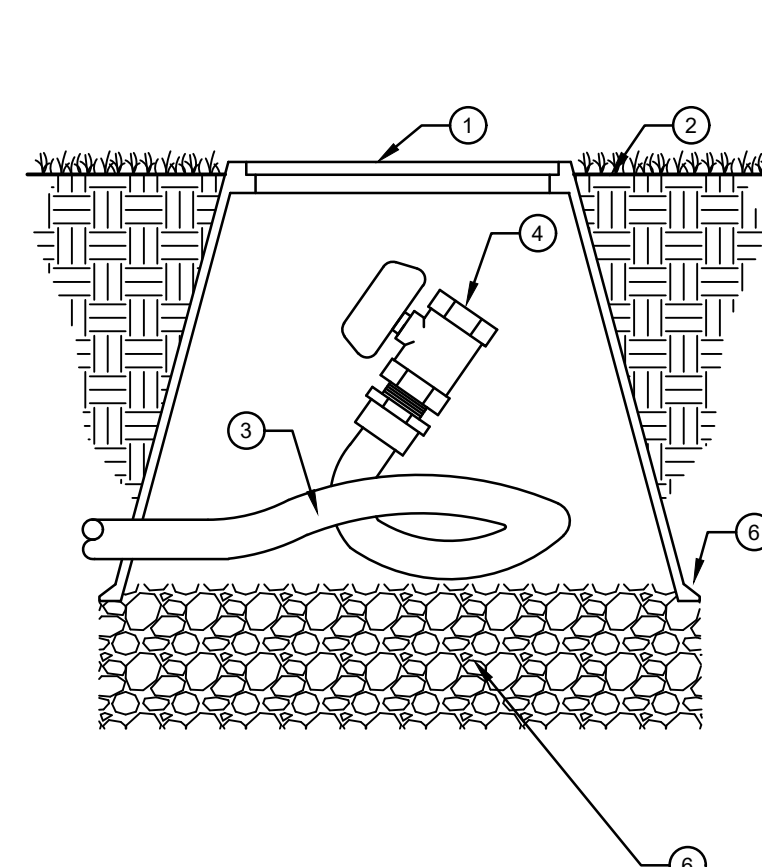
# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

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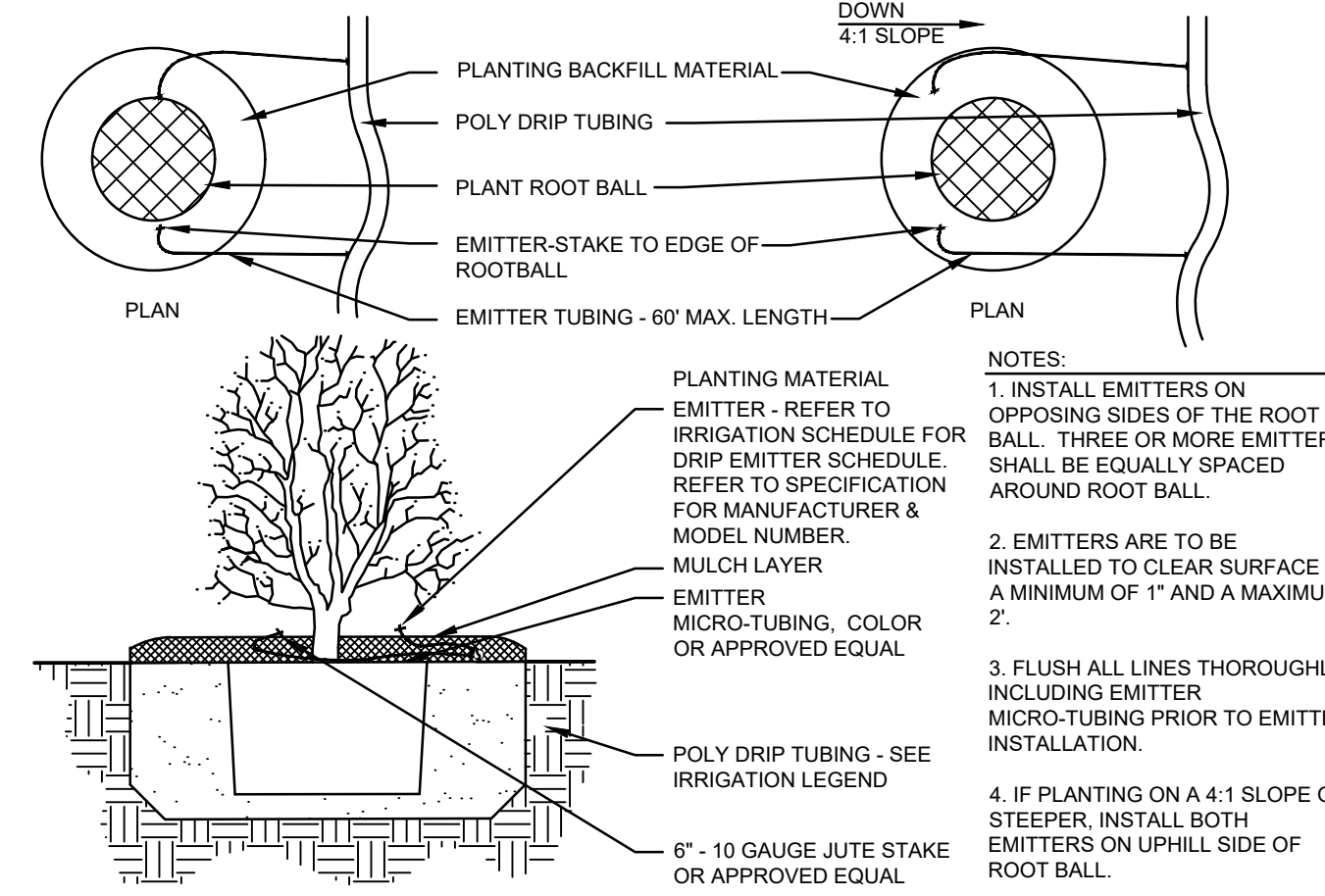
- 1 CARSON VALVE BOX OR APPROVED EQUAL, STATION NUMBER BRAND ON LID.
- 2 FINISH GRADE
- 3 DRIP ZONE KIT PER PLAN
- 4 WATERPROOF CONNECTORS (2)
- 5 24" COILED WIRE
- 6 SCH 80 T.O.E. NIPPLE
- 7 MAIN LINE PIPE & FITTINGS
- 8 3" MINIMUM LAYER OF 3/4" MINUS WASHED GRAVEL
- 9 PVC SLIP UNIONS

1 REMOTE DRIP CONTROL VALVE  
N.T.S.



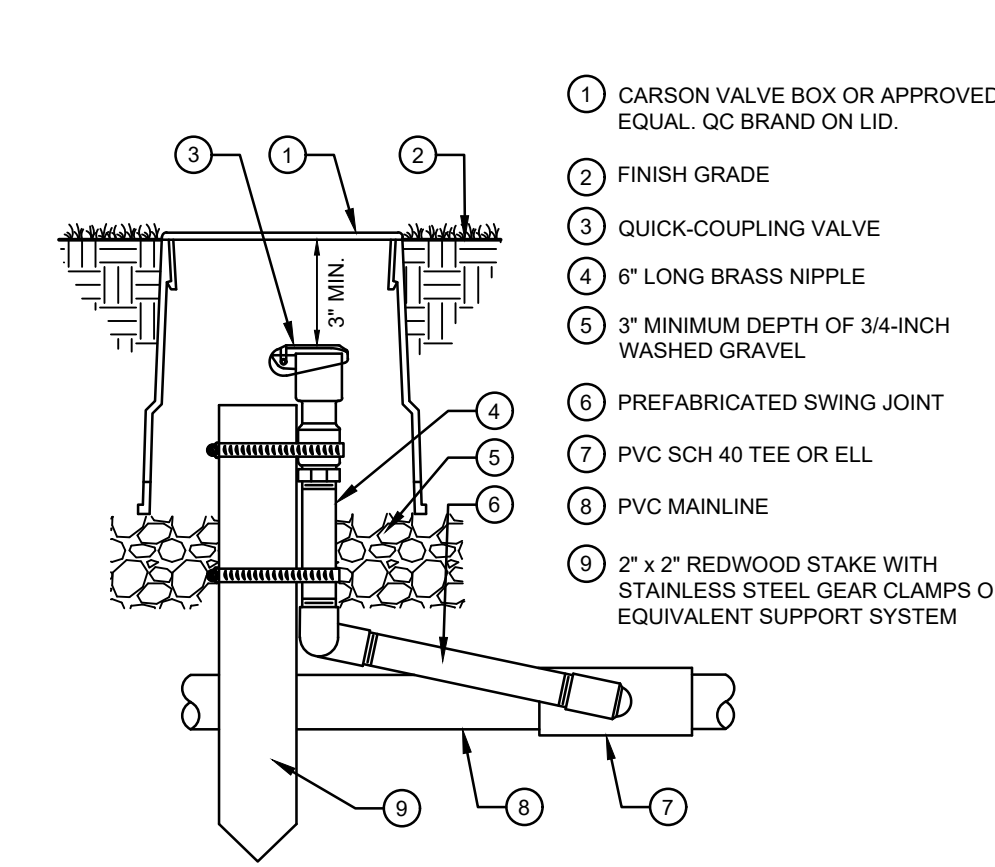
- 1 CARSON VALVE BOX OR APPROVED EQUAL, F.V. BRAND ON LID.
- 2 FINISH GRADE
- 3 POLYPIPE DRIP LINE
- 4 MANUAL FLUSH BALL VALVE
- 5 24" COILED WIRE
- 6 3" MINIMUM LAYER OF 3/4" MINUS WASHED GRAVEL

2 MANUAL FLUSH DRAIN VALVE  
N.T.S.



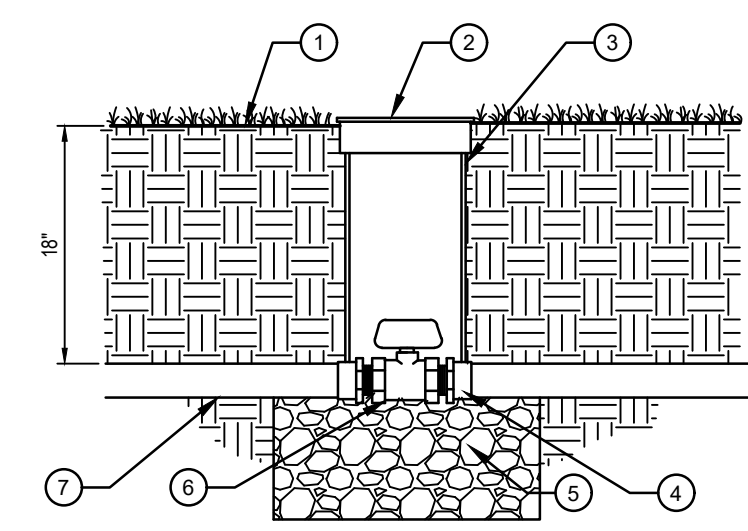
- 1 CARSON VALVE BOX OR APPROVED EQUAL, F.V. BRAND ON LID.
  - 2 FINISH GRADE
  - 3 POLYPIPE DRIP LINE
  - 4 MANUAL FLUSH BALL VALVE
  - 5 24" COILED WIRE
  - 6 3" MINIMUM LAYER OF 3/4" MINUS WASHED GRAVEL
- NOTES:
1. INSTALL EMITTERS ON OPPOSING SIDES OF THE ROOT BALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.
  2. EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1" AND A MAXIMUM OF 2".
  3. FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.
  4. IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.
  5. EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE WITHIN TECHNICAL SPECIFICATIONS.

3 DRIP EMITTERS LAYOUT  
N.T.S.



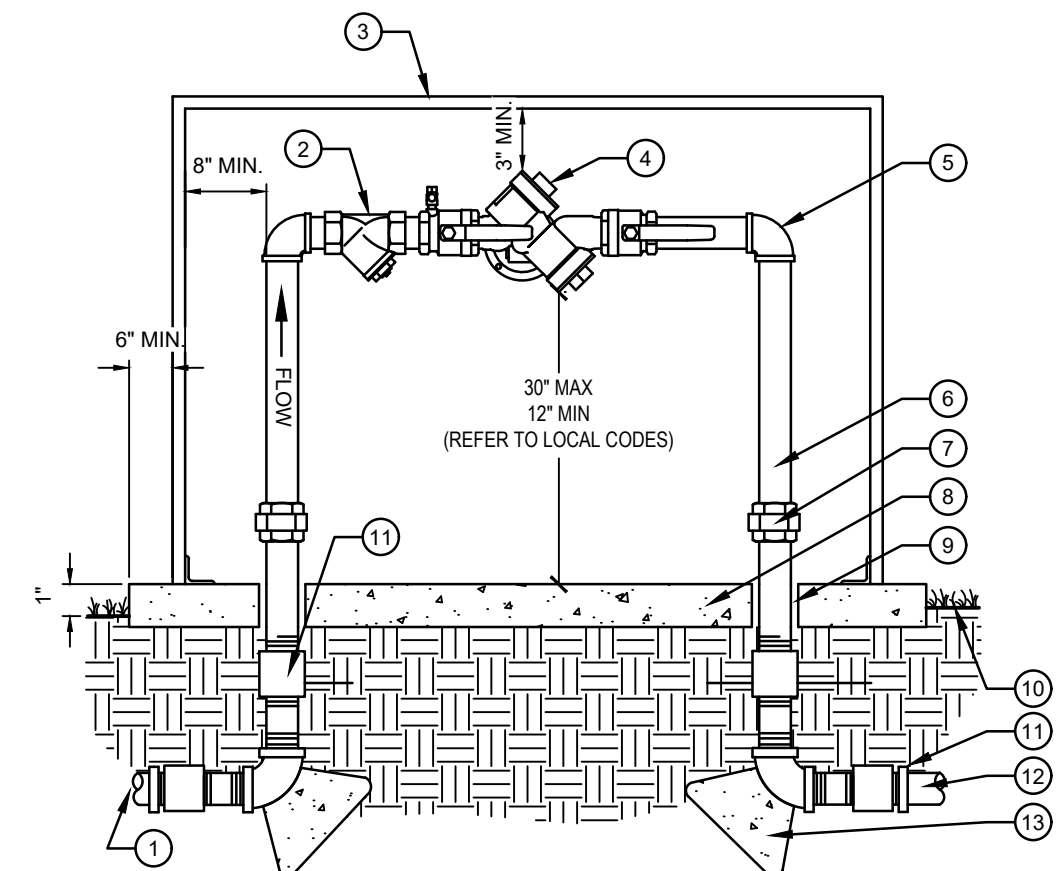
- 1 CARSON VALVE BOX OR APPROVED EQUAL, QC BRAND ON LID.
- 2 FINISH GRADE
- 3 QUICK-COUPLING VALVE
- 4 6" LONG BRASS NIPPLE
- 5 3" MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 6 PREFABRICATED SWING JOINT
- 7 PVC SCH 40 TEE OR ELL
- 8 PVC MAINLINE
- 9 2" x 2" REDWOOD STAKE WITH STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

4 QUICK COUPLER  
N.T.S.



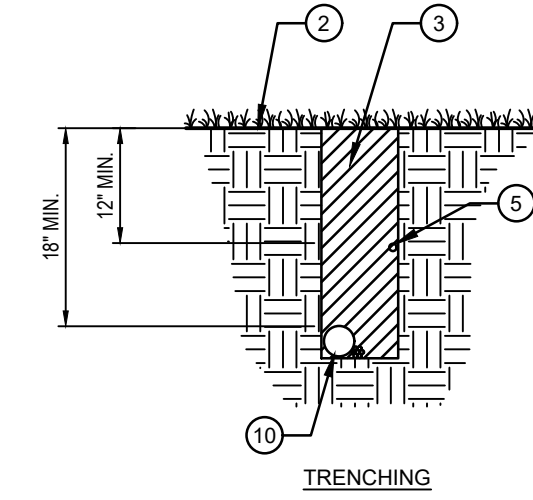
- 1 FINISH GRADE AT 1" BELOW TOP OF BOX IN TURF AREAS; 2" BELOW TOP OF BOX IN SHRUB/GROUNDCOVER AREAS
- 2 CARSON VALVE BOX OR APPROVED EQUAL, BY BRAND ON LID.
- 3 EXTENSION SECTION AS NECESSARY TO MEET GRADE
- 4 PVC MALE ADAPTER
- 5 3" MINIMUM LAYER OF 3/4" MINUS WASHED GRAVEL
- 6 PLASTIC BALL VALVE (SIZED PER MAINLINE)
- 7 IRRIGATION MAINLINE

5 BALL VALVE  
N.T.S.

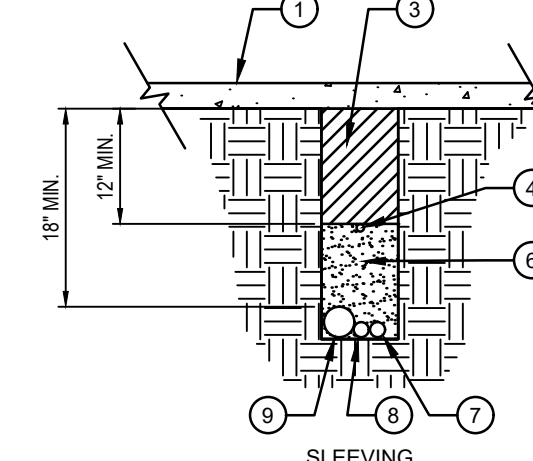


- 1 COPPER SERVICE LINE
- 2 BRASS WYE STRAINER W/60 MESH SCREEN
- 3 GUARDSHACK POWDER COAT BACKFLOW ENCLOSURE
- 4 BACKFLOW PREVENTER UNIT
- 5 BRASS 90 DEGREE ELLS (TYP.)
- 6 BRASS NIPPLES (TYPICAL)
- 7 BRASS UNION (TYPICAL)
- 8 4" CONCRETE PAD - SLOPE TO DRAIN AWAY FROM BACKFLOW PREVENTER
- 9 PVC CONCRETE SLEEVE
- 10 FINISH GRADE 1" BELOW PAD
- 11 BRASS COUPLING
- 12 MAINLINE CONNECTION- ADAPT AS NECESSARY ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES
- 13 12"x12"x12" THRUST BLOCKS

6 BACKFLOW PREVENTER, REDUCED PRESSURE  
N.T.S.

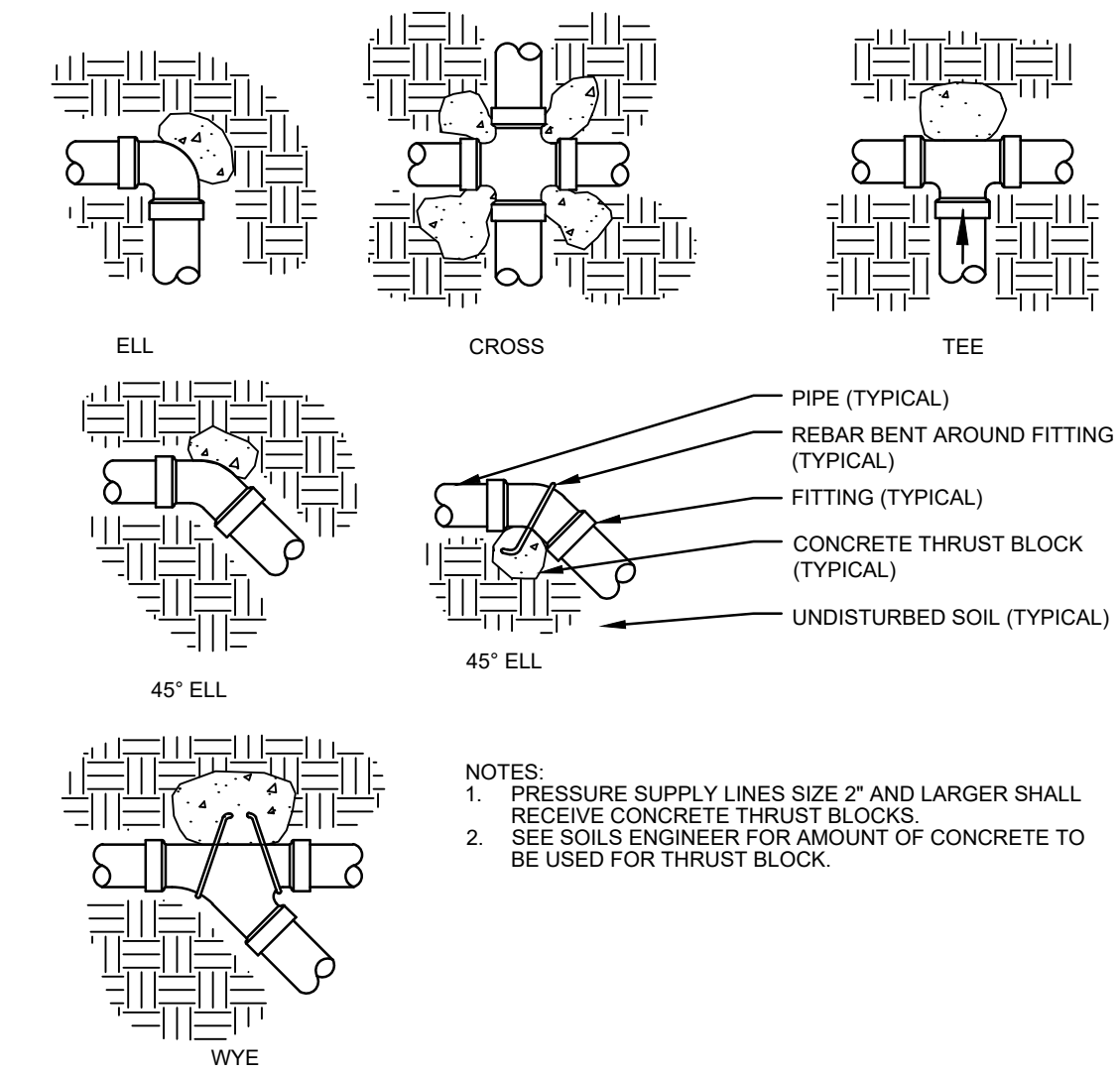


- 1 PAVEMENT SURFACE
- 2 FINISH GRADE
- 3 TRENCH BACKFILL
- 4 LOCATOR WIRE WITH BURIED CAUTION TAPE IF SPECIFIED
- 5 PVC IRRIGATION LATERAL - BURIED MIN. 12" BELOW GRADE
- 6 SAND BACKFILL
- 7 PVC LATERAL SLEEVE SEE PLANS FOR SIZE
- 8 2" MIN. PVC WIRE SLEEVE FOR CONTROL WIRES
- 9 PVC MAINLINE SLEEVE SEE PLANS FOR SIZE
- 10 PVC IRRIGATION MAINLINE



- 1 PAVEMENT SURFACE
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- 8 2" MIN. PVC WIRE SLEEVE FOR CONTROL WIRES
- 9 PVC MAINLINE SLEEVE SEE PLANS FOR SIZE
- 10 PVC IRRIGATION MAINLINE

7 PIPE & SLEEVE INSTALLATION  
N.T.S.



- 1 PAVEMENT SURFACE
- 2 FINISH GRADE
- 3 TRENCH BACKFILL
- 4 LOCATOR WIRE WITH BURIED CAUTION TAPE IF SPECIFIED
- 5 PVC IRRIGATION LATERAL - BURIED MIN. 12" BELOW GRADE
- 6 SAND BACKFILL
- 7 PVC LATERAL SLEEVE SEE PLANS FOR SIZE
- 8 2" MIN. PVC WIRE SLEEVE FOR CONTROL WIRES
- 9 PVC MAINLINE SLEEVE SEE PLANS FOR SIZE
- 10 PVC IRRIGATION MAINLINE

8 THRUST BLOCKING  
N.T.S.

## GENERAL IRRIGATION NOTES

1. IRRIGATION DESIGN IS BASED ON THEORIES, ASSUMPTIONS, AND/OR INFORMATION PROVIDED BY CIVIL MODELS, UTILITIES, MUNICIPAL ENTITIES AND THIS IS DIAGRAMATIC IN NATURE. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR GRAPHIC CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.
2. REFER TO SPECIFICATIONS (AS APPROPRIATE) FOR SUBMITTALS, INSPECTIONS AND OTHER APPLICABLE INFORMATION. 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.
3. THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. CONTRACTOR SHALL THOROUGHLY REVIEW PLANS & REPORT ANY CONTACTS OR DISCREPANCIES TO OWNERS REPRESENTATIVE IMMEDIATELY.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE EXISTED AT THE TIME OF THE IRRIGATION DESIGN PREPARATION. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT GIVEN, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY TO BRING THE SYSTEM TO A PROPER WORKING CONDITION, AND TO THE OWNER'S SATISFACTION.
5. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, RETAINING WALLS, ETC. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALL, UNDER ROADWAY PAVING, ETC.
6. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
7. SEE CIVIL ENGINEER'S DRAWINGS FOR IRRIGATION POINT OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY.
8. 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.
9. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE POINT OF CONNECTION NOTE TAG(S) ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION AND SHALL REPORT ANY DIFFERENCES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED OR PRESSURES HAVE GREATLY CHANGED PRIOR TO THE START OF THE IRRIGATION SYSTEM CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR RECOMMENDING A SOLUTION AND PROVIDING AN ADD ALTERNATE BID FOR IRRIGATION COSTS.
10. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE.
11. NO MORE THAN 90% OF AVAILABLE MINIMUM STATIC WATER PRESSURE WAS USED IN PREPARATION OF THESE PLANS. FURTHERMORE, THE MAXIMUM FLOW THROUGH THE METER SHOULD NOT EXCEED 75% OF THE MAXIMUM SAFE FLOW.
12. SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER.
13. INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON THE PLANS AND DETAILS. NO SUBSTITUTIONS OF EQUIPMENT WILL BE ACCEPTABLE WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE. THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE ALL UNAPPROVED SUBSTITUTED EQUIPMENT AT HIS OWN COST IF SO DIRECTED BY THE OWNER.
14. WHEN INSTALLING IRRIGATION PIPE AND EQUIPMENT NEXT TO HARDSCAPE (SUCH AS WALLS, CURBS, OR WALKS), PLACE PIPE AS CLOSE AS POSSIBLE TO HARDSCAPE TO AVOID CONFLICTS WITH PLANTING. REFER TO MAINLINE TRENCHING DETAILS FOR ADDITIONAL INFORMATION.

15. THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLERS AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY.
16. THE RAIN SENSOR SHALL BE LOCATED NEAR THE IRRIGATION CONTROLLER, AND SHALL BE MOUNTED AS SHOWN ON THE DETAIL AND/OR LEGEND. LOCATE SENSOR AWAY FROM TALL TREES, SHRUBS, AND OTHER POTENTIAL OBSTRUCTIONS.
17. ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER. WHERE SPLICES MAY BE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS, THE CONTRACTOR SHALL MAKE ALL SPLICES IN 6" ROUND VALVE BOXES WITH 3MS "DBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL SPLICES AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.
18. CONTRACTOR SHALL PROVIDE #10 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES.
19. CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3MS "DBY-DIRECT BURIAL SPLICE KIT" (UNLESS OTHERWISE SPECIFIED).
20. PROVIDE ADDITIONAL IRRIGATION CONTROL WIRES TO THE AMOUNT OF OPEN ZONES ON THE CONTROLLER ALONG EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF IRRIGATION CONTROLLERS.
21. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. ALL SLEEVING SHALL BE PVC SCHEDULE 40 PIPE. SLEEVES FOR MAINLINE AND LATERAL LINES SHALL BE A MINIMUM TWICE THE DIAMETER OF THE ENCLOSED PIPE, SLEEVES FOR CONTROL WIRES SHALL BE AS PER THE SLEEVING/ WIRING NOTE AND THE WIRING SLEEVE LEGEND ITEM AS SHOWN ON THESE DRAWINGS.
22. TRENCH BACKFILL MATERIAL SHALL BE FREE OF ROCKS, GLASS, AND OTHER EXTRANEOUS MATERIALS LARGER THAN 1" IN DIAMETER. BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY.
23. WHERE VALVES ARE LOCATED IN CLOSE PROXIMITY TO EACH OTHER, CLUSTER VALVES INTO MANIFOLDS. INSTALL NO MORE THAN ONE VALVE PER VALVE BOX.
24. MANUAL DRAIN VALVE, FOR FREEZE PROTECTION, ARE TO BE LOCATED AT ALL LOW POINTS OF IRRIGATION LATERAL LINES. WHERE THE LOW POINT IS AT THE END OF THE LINE, LOCATE DRAIN VALVE A MINIMUM OF 12" DOWNSTREAM FROM THE LAST SPRINKLER HEAD. SEE DETAIL FOR VALVE ORIENTATION.
25. USE TEFLON TAPE ON ALL PVC MALE PIPE THREADS ON ALL SWING JOINT AND VALVE ASSEMBLIES.
26. ALL IRRIGATION HEADS, INCLUDING FIXED-SPRAY AND DRIP DEVICES, SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED.
27. ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 3' AWAY FROM ANY BUILDING FOUNDATION. IF THIS EQUIPMENT IS SHOWN WITHIN THE 3' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY.
28. EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, IT IS THE INTENT OF THE IRRIGATION DESIGN TO INDICATE ALL SPRAY HEADS AS "POP-UPS". IN THE EVENT THAT POP-UP HEADS HAVE NOT BEEN SPECIFIED IN TURF AREAS, IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING AND CONSTRUCTION.
29. ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE OR THE LANDSCAPE ARCHITECT BEFORE INSTALLATION. STAKED LOCATIONS SHALL BE SPACED TO PROVIDE HEAD-TO-HEAD COVERAGE. RECOMMENDED SETBACK DISTANCE OF ALL PROPOSED IRRIGATION HEADS IS 12" FROM BACK OF CURB AND EDGE OF PAVEMENT.
30. FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERTSPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST NOZZLE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS.

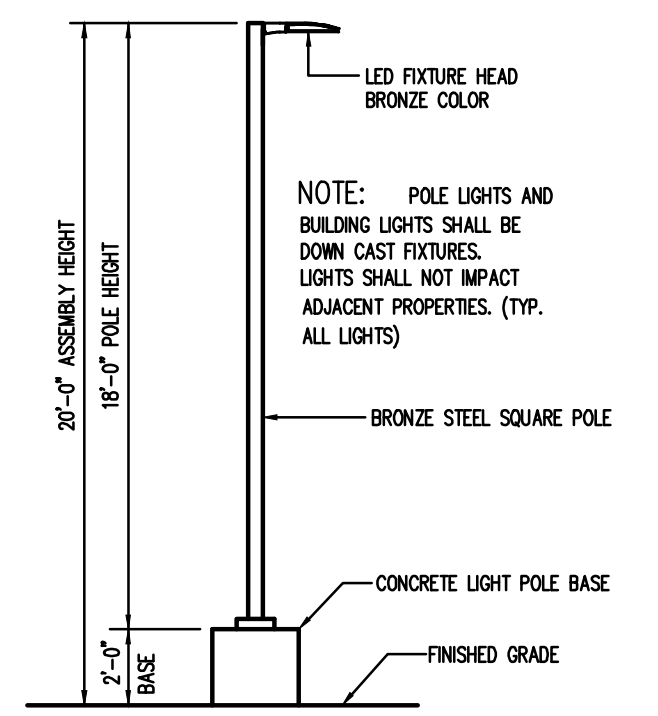
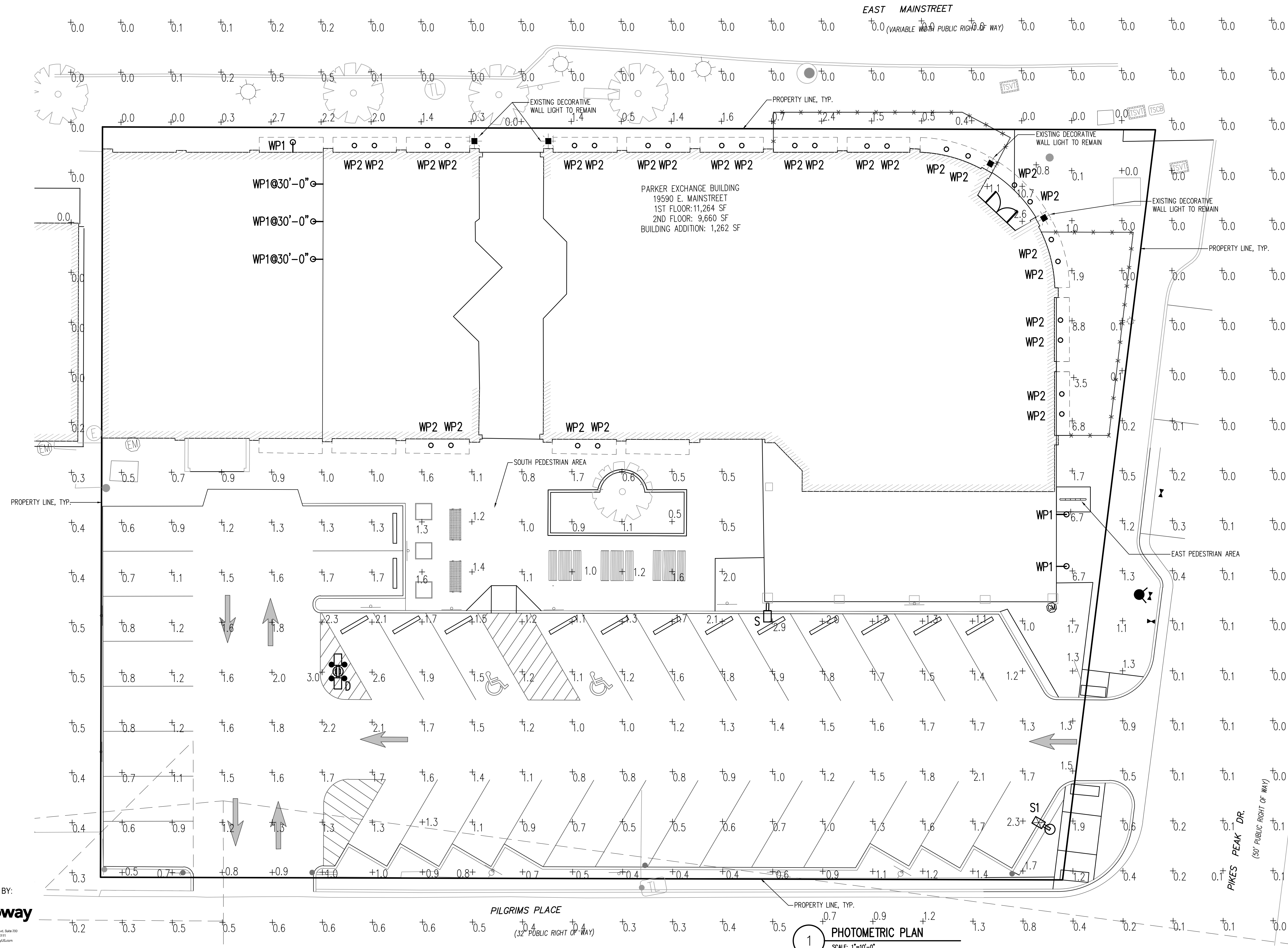
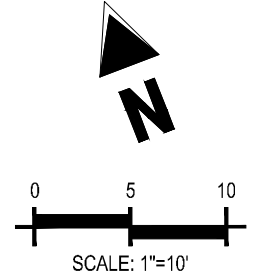
31. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN TURF AREAS SHALL BE INSTALLED SO THE TOP OF THE SPRINKLER HEAD IS FLUSH WITH THE ADJACENT SIDEWALK OR PAVING. ALL POP-UP HEADS AWAY FROM HARDSCAPE EDGES IN TURF SHALL BE 1" ABOVE THE FINISH GRADE TO PREVENT CONTACT WITH MOWERS.
32. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
33. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
34. UPON COMPLETION OF INSTALLATION OF IRRIGATION SYSTEM, IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING:
  - A. ACCURATE AND COMPLETE "AS BUILT" PLANS OF IRRIGATION SYSTEM INCLUDING 8-1/2" X 11" ZONE MAP TO BE PLACED INSIDE EACH CONTROLLER BOX.
  - B. LOG ON ALL WATER WINDOWS, RUN SCHEDULE TIMES, AND OTHER CHANGES AND/OR MODIFICATIONS TO THE IRRIGATION SYSTEM SINCE INSTALLATION.
  - C. ONE HOUR OF TRAINING TO OWNER ON IRRIGATION SYSTEM AND CONTROLLER OPERATION.
  - D. THREE OF EACH TYPE OF HEAD AND EMITTER INSTALLED.
  - E. ONE OF EACH TYPE OF VALVE INSTALLED.
  - F. REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE.
35. PRIOR TO ACCEPTANCE OF IRRIGATION SYSTEM AT THE END OF THE MAINTENANCE PERIOD, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING: CURRENT SCHEDULE RUN TIME AND WATER WINDOW LOG, ALONG WITH NOTING ANY OTHER PERTINENT INFORMATION.
36. UNLESS OTHERWISE SPECIFIED, THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ANYTHING DAMAGED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
37. CONTRACTOR SHALL INSTALL MAINLINES 12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS.
38. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND SPECIFICATIONS, THE PLAN SHALL TAKE PRECEDENCE.
39. THE IRRIGATION SYSTEM SHALL BE INSTALLED BY A QUALIFIED IRRIGATION CONTRACTOR.

PREPARED BY:  
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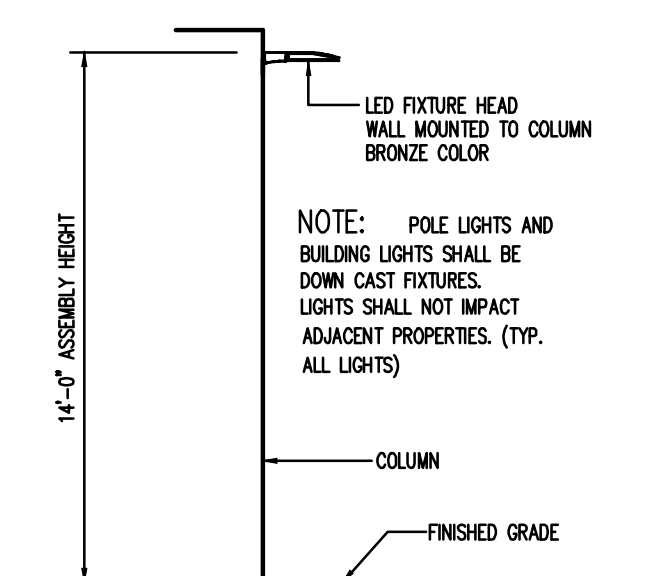
IRRIGATION NOTES &  
DETAILS  
8  
8 OF 19

# EXCHANGE LOT 1 SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



**2** AREA LIGHT DETAIL  
FIXTURES "D" & "S1"  
SCALE: NOT TO SCALE



**3** AREA LIGHT DETAIL  
FIXTURES "S"  
SCALE: NOT TO SCALE

CALCULATION SUMMARY						
LABEL	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PARKING AREA	FC	1.40	3.0	0.5	2.80 to 1	6.00 to 1
SOUTH PEDESTRIAN AREA	FC	1.01	2.0	0.5	2.02 to 1	4.00 to 1
EAST PEDESTRIAN AREA	FC	2.84	6.7	1.2	2.40 to 1	5.58 to 1

LUMINAIRE SCHEDULE				
MARK	QTY	LABEL	Mounting	COLOR
1	1	S	14" WALL	BRONZE
2	1	S1	20" POLE	BRONZE
3	1	D	20" POLE	BRONZE
4	6	WP1	10'-4" WALL	BLACK
5	28	WP2	10'-4" WALL	BLACK

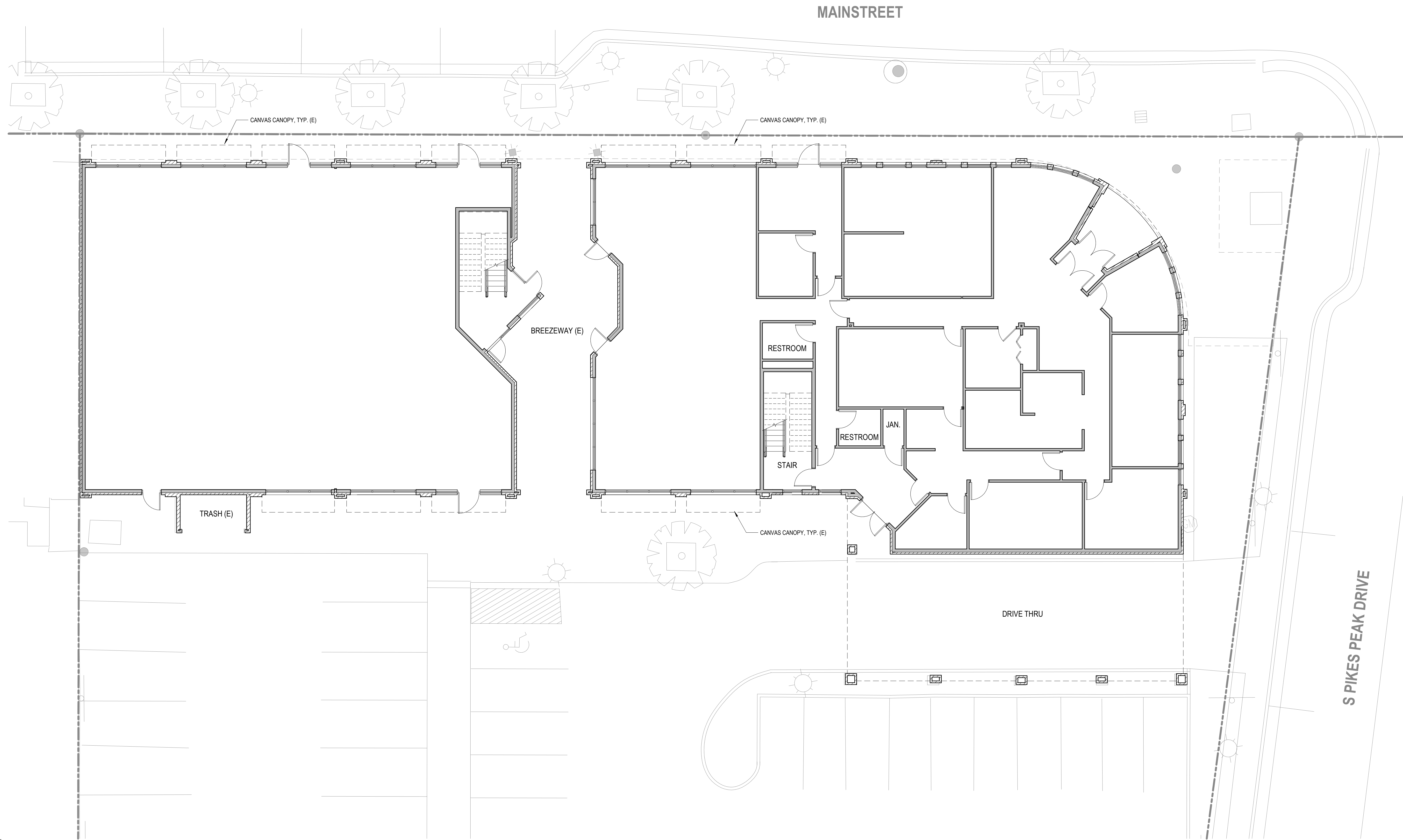
REFER TO SHEET 6-PHOTOMETRIC DETAILS FOR MANUFACTURER CUT SHEETS AND EXPANDED LUMINAIRE SCHEDULE

**1** PHOTOMETRIC PLAN  
SCALE: 1"=10'-0"



# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



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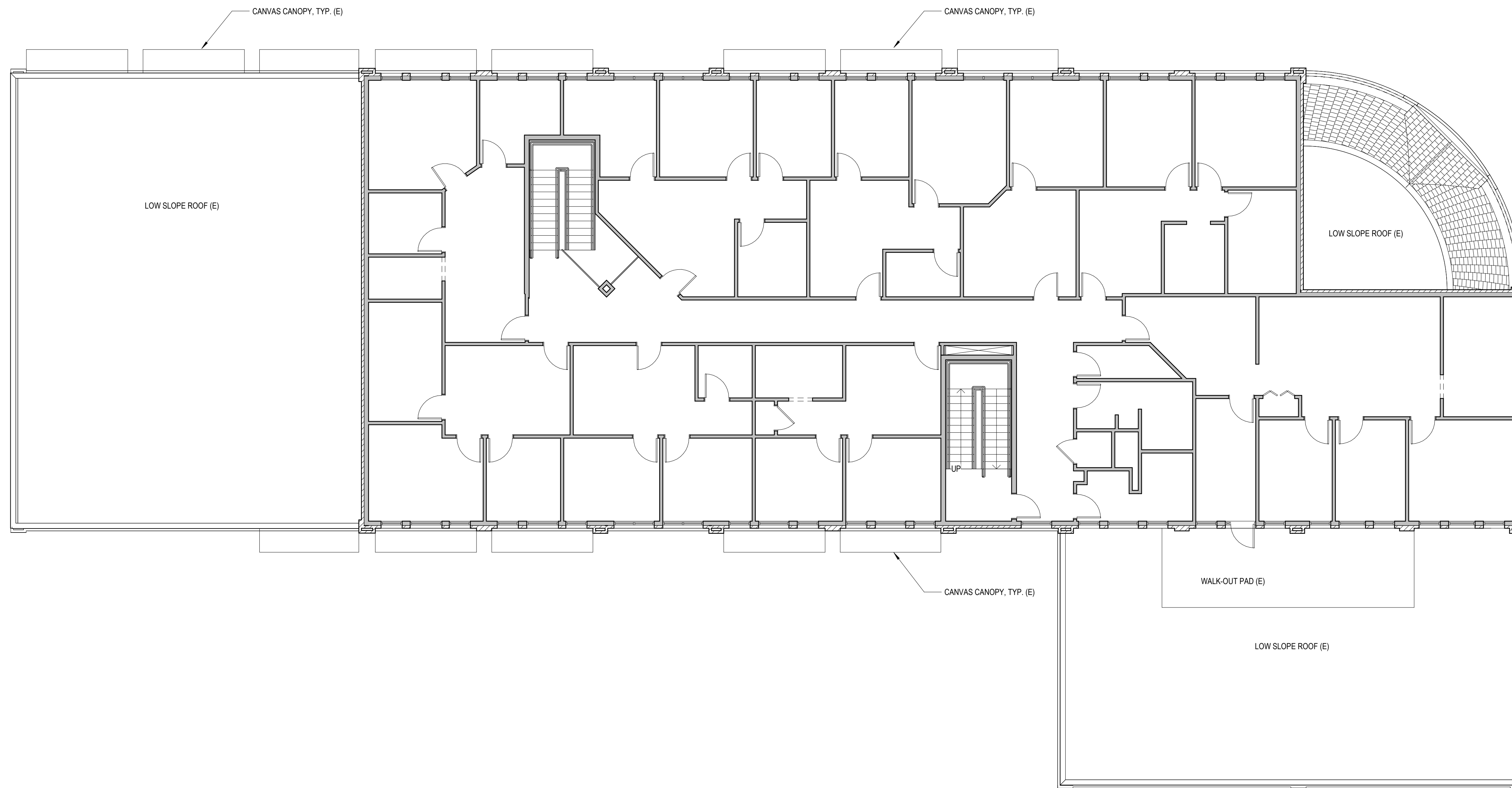
1 EXISTING FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN - EXISTING CONDITIONS

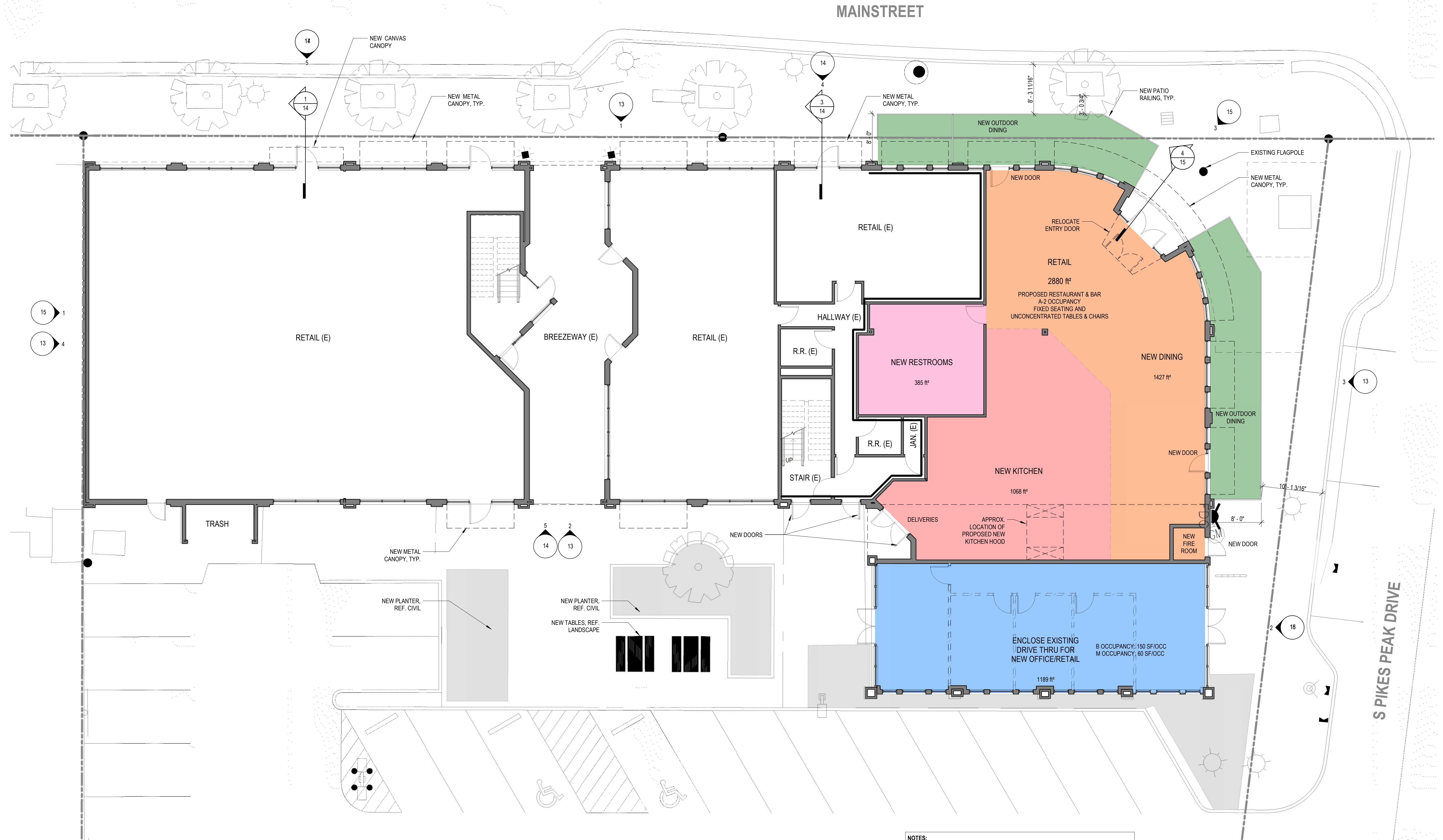
# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
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19590 E MAINSTREET



# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
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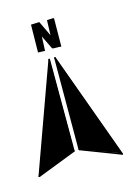
**NOTES:**

- NEW KITCHEN REQUIRES GRILL EXHAUST HOOD AND GREASE INTERCEPTOR
- NEW AUTOMATIC FIRE SPRINKLER SYSTEM REQUIRED FOR RESTAURANT/BAR OCCUPANCY. REQUEST SPRINKLER INFRASTRUCTURE TO BE SIZED FOR ENTIRE BUILDING AND ALLOWED TO BE EXTENDED FROM RESTAURANT TO EXISTING BUILDING IN PHASES AS TENANT IMPROVEMENTS OCCUR IN THE FUTURE.
- REFERENCE CIVIL DRAWINGS FOR FULL SITE PLAND AND IMPROVEMENTS

FIRST FLOOR PLAN - PROPOSED CONSTRUCTION

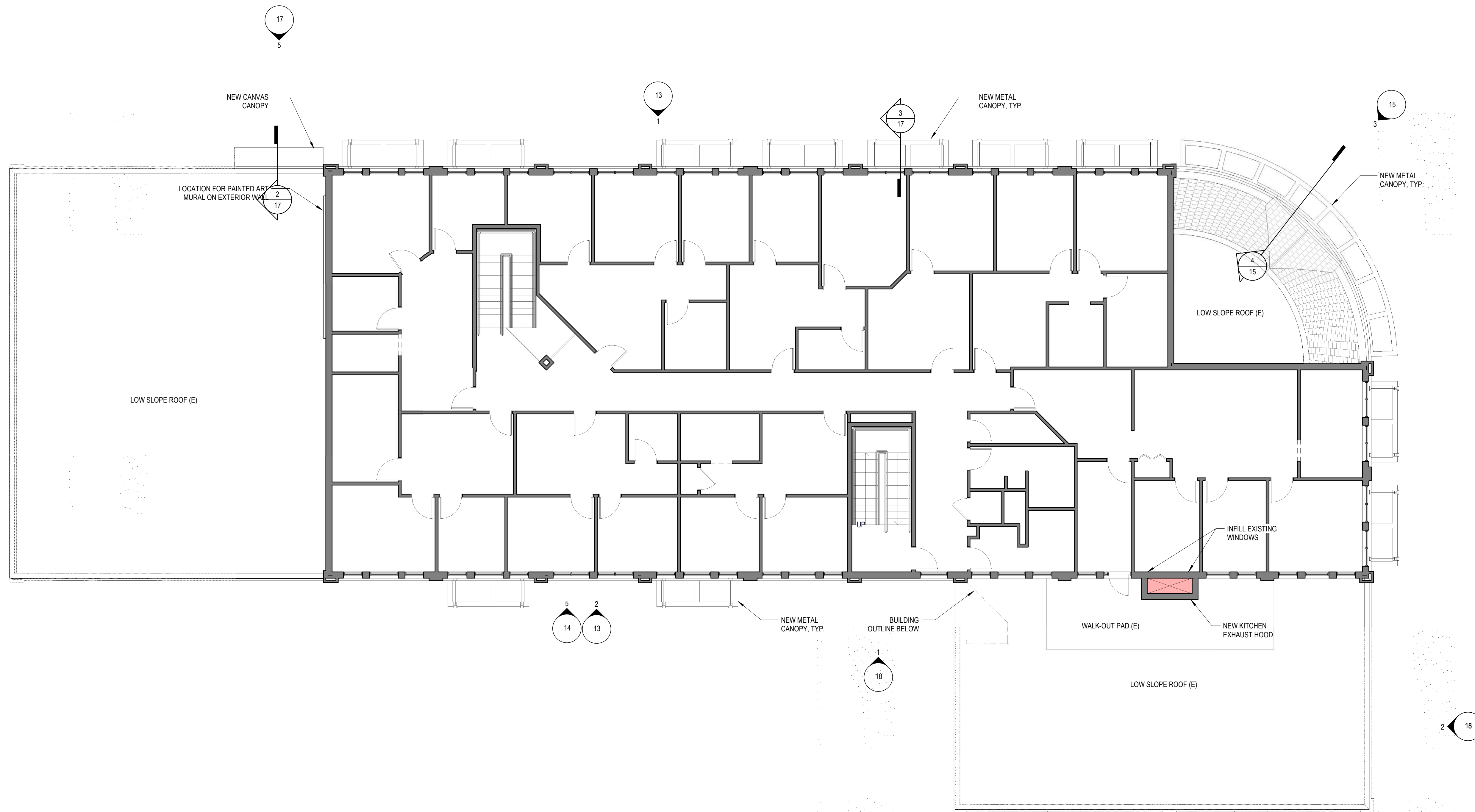
PREPARED BY:  
**Galloway**

1 CONCEPTUAL FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

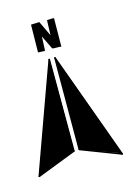
LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
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1 CONCEPTUAL SECOND FLOOR PLAN  
SCALE: 1/8" = 1'-0"



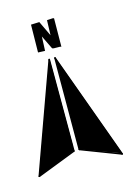
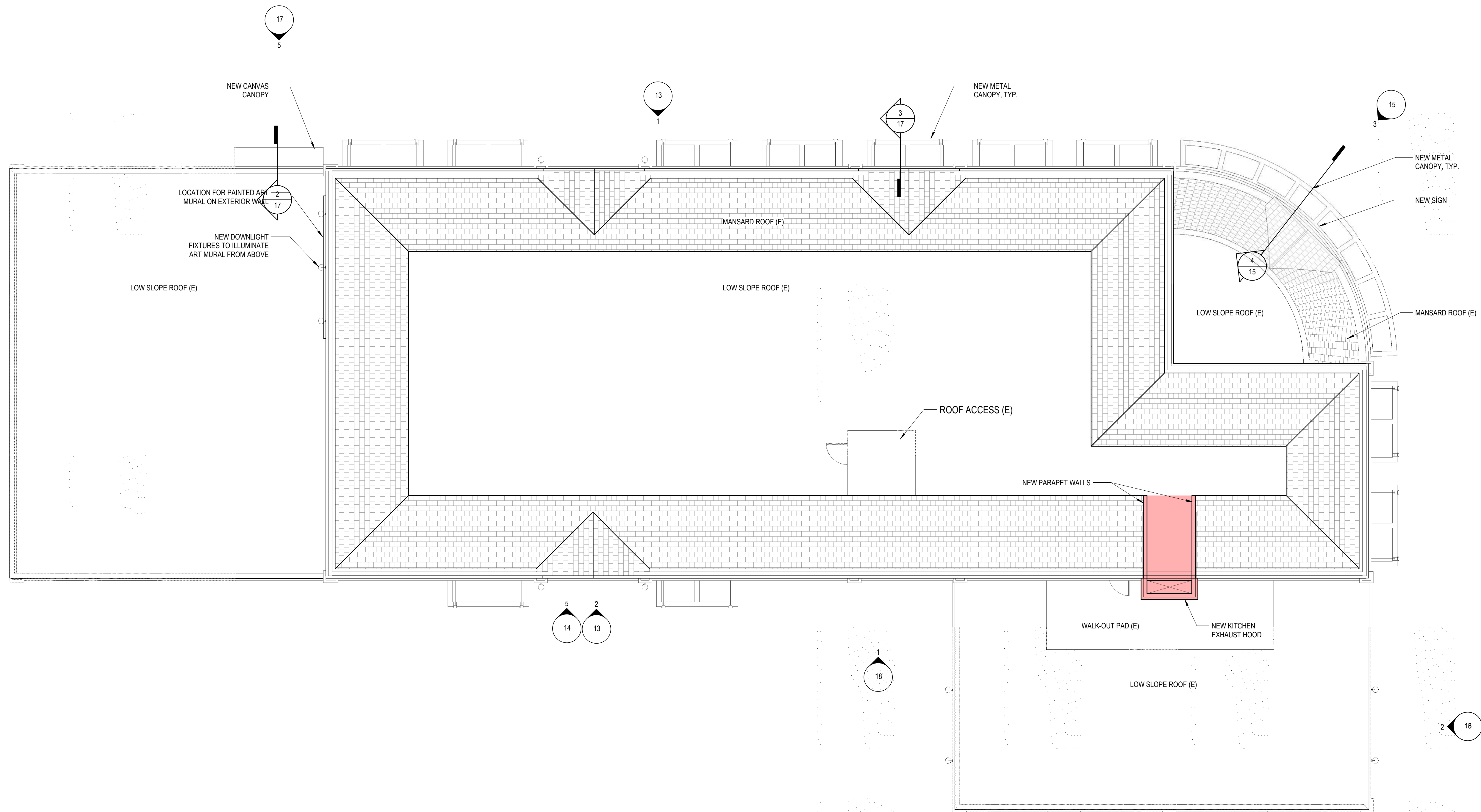
SECOND FLOOR PLAN - PROPOSED CONSTRUCTION

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14 OF 19

# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
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# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

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19590 E MAINSTREET



4 WEST ELEVATION  
SCALE: 1/8" = 1'-0"

3 EAST ELEVATION (PIKES PEAK DRIVE)  
SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION (PILGRIMS PLACE)  
SCALE: 1/8" = 1'-0"



1 NORTH ELEVATION (MAINSTREET)  
SCALE: 1/8" = 1'-0"

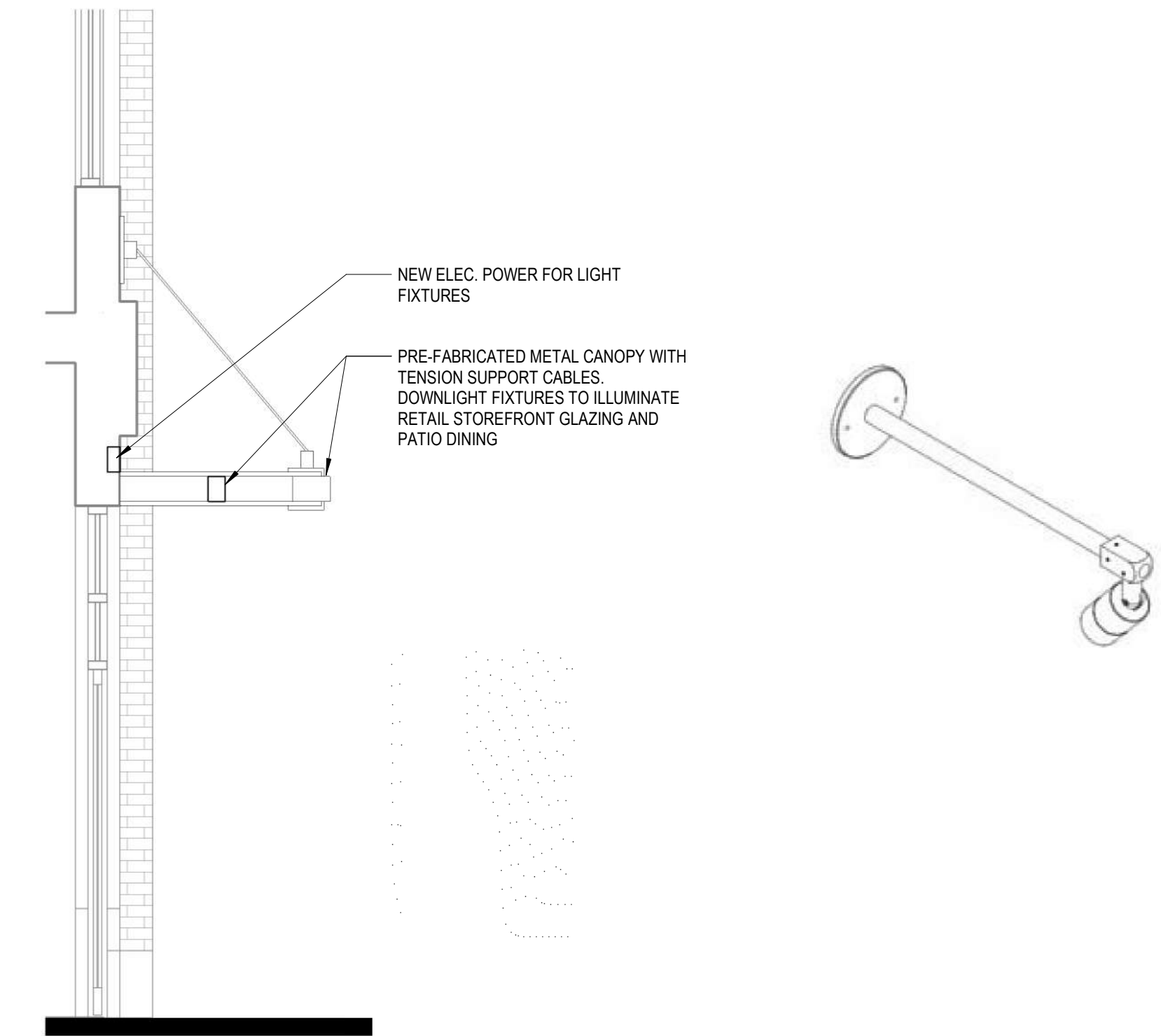
PREPARED BY:  
**Galloway**  
500 Greenwood Plaza Blvd., Suite 200  
Greenwood Village, CO 80111  
303.770.8884 • galloway@gh.com

# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

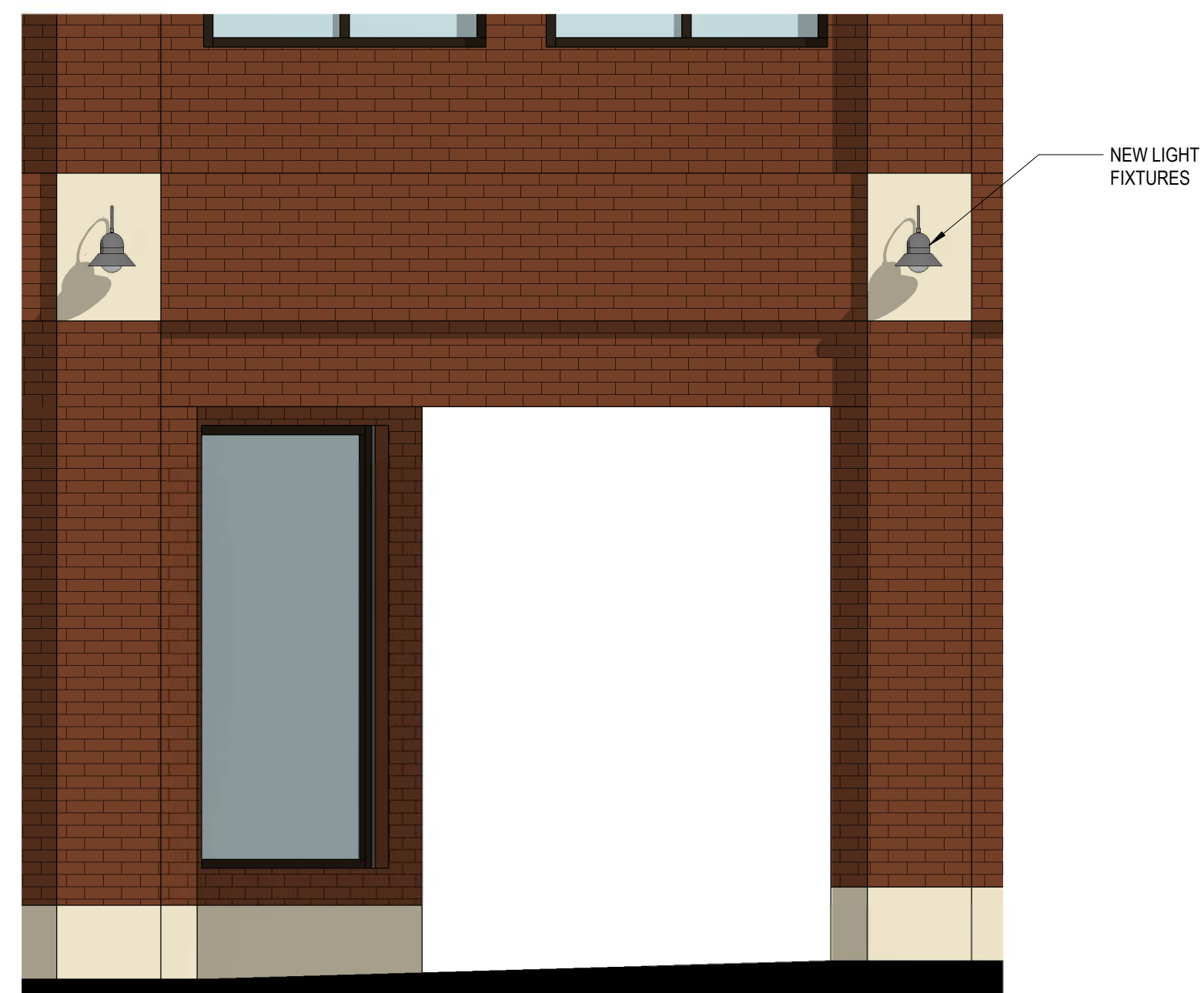
LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



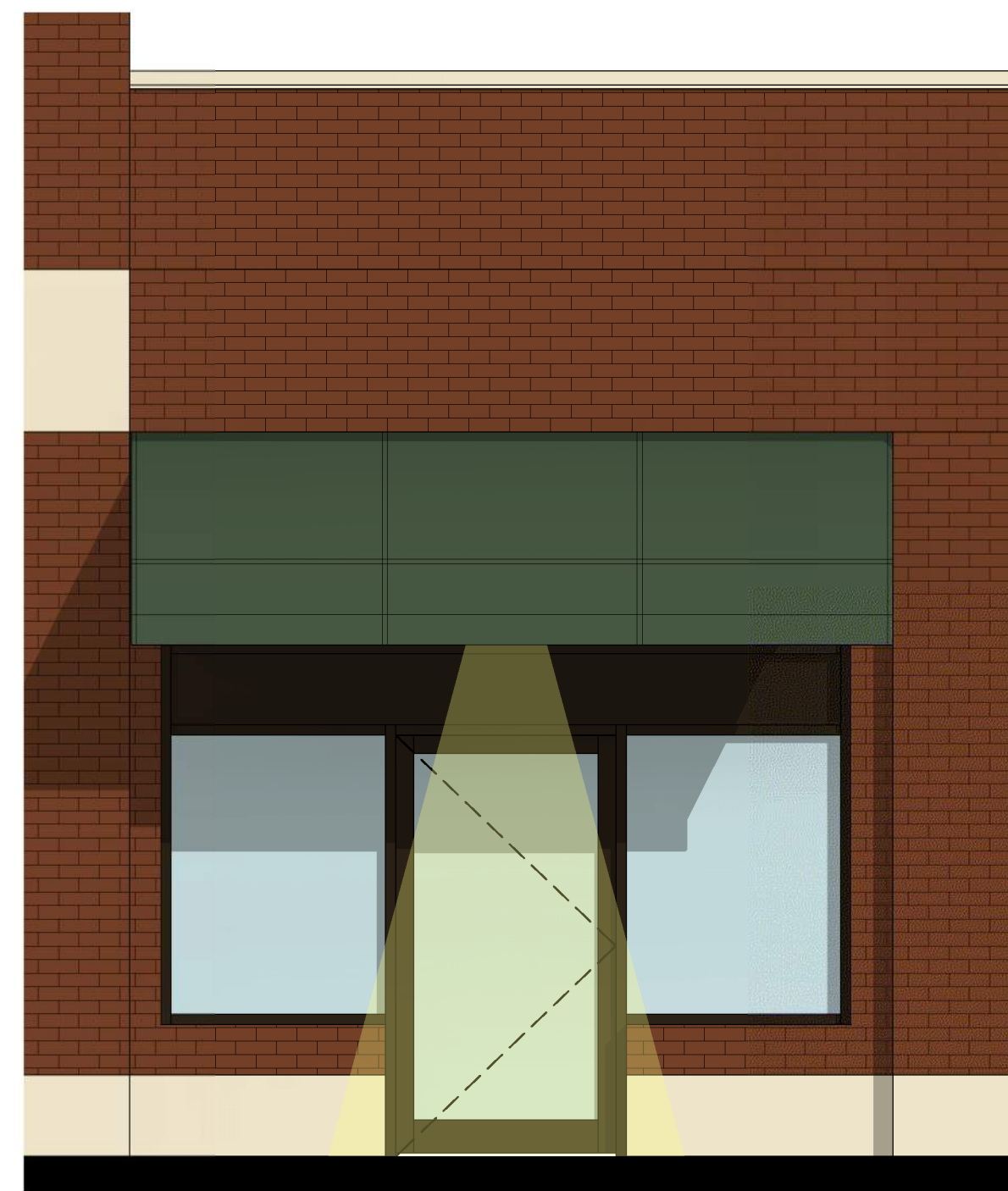
4 PROPOSED NEW STOREFRONT  
SCALE: 3/8" = 1'-0"



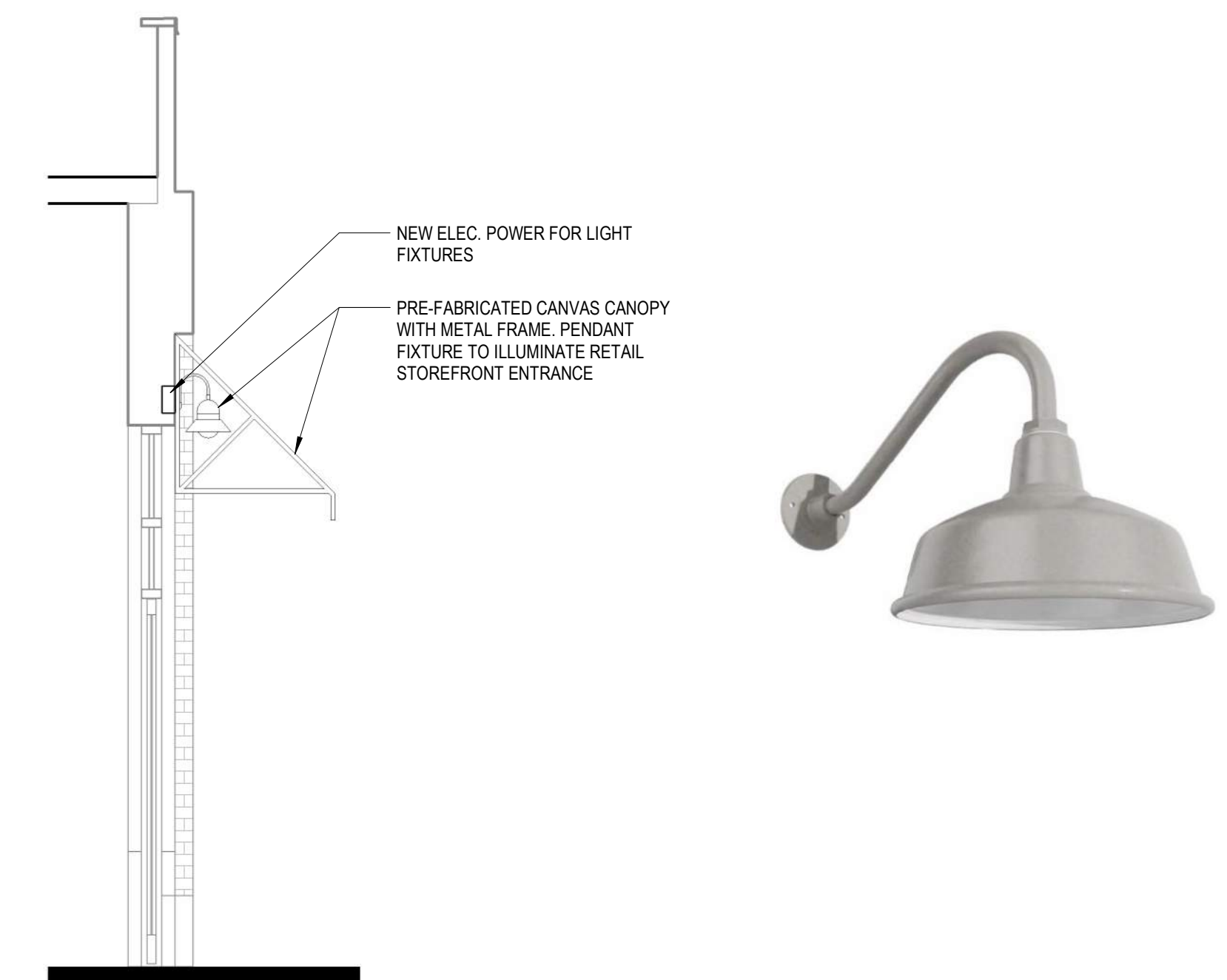
3 WALL SECTION @ METAL CANOPY  
SCALE: 3/8" = 1'-0"



5 PROPOSED BREEZEWAY SURROUND  
SCALE: 3/8" = 1'-0"



2 PROPOSED RETAIL STOREFRONT  
SCALE: 3/8" = 1'-0"



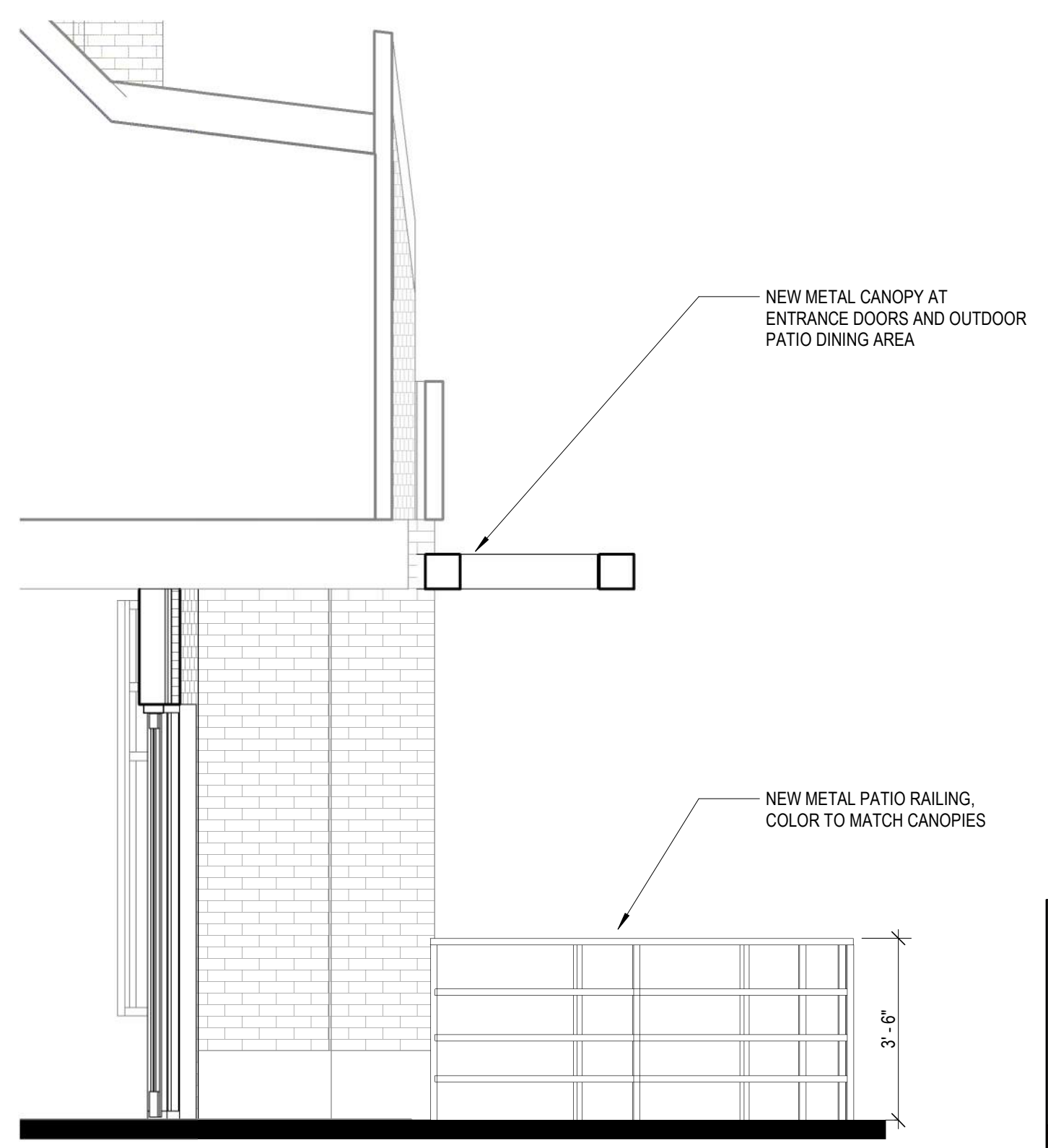
1 WALL SECTION @ FABRIC AWNING  
SCALE: 3/8" = 1'-0"

# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



3 DINING ENTRANCE ELEVATION  
SCALE: 3/8" = 1'-0"



4 SECTION @ DINING ENTRANCE  
SCALE: 3/8" = 1'-0"



1 PROPOSED ART MURAL  
SCALE: 3/8" = 1'-0"



2 PROPOSED INFILL WALL ELEVATION  
SCALE: 3/8" = 1'-0"

EXISTING BRICK VENEER WALL  
NEW EXTERIOR LIGHT FIXTURES  
NEW STOREFRONT AND DOORS  
PAINTED STUCCO FINISH BULKHEAD

# PARKER EXCHANGE BUILDING SITE DEVELOPMENT PLAN

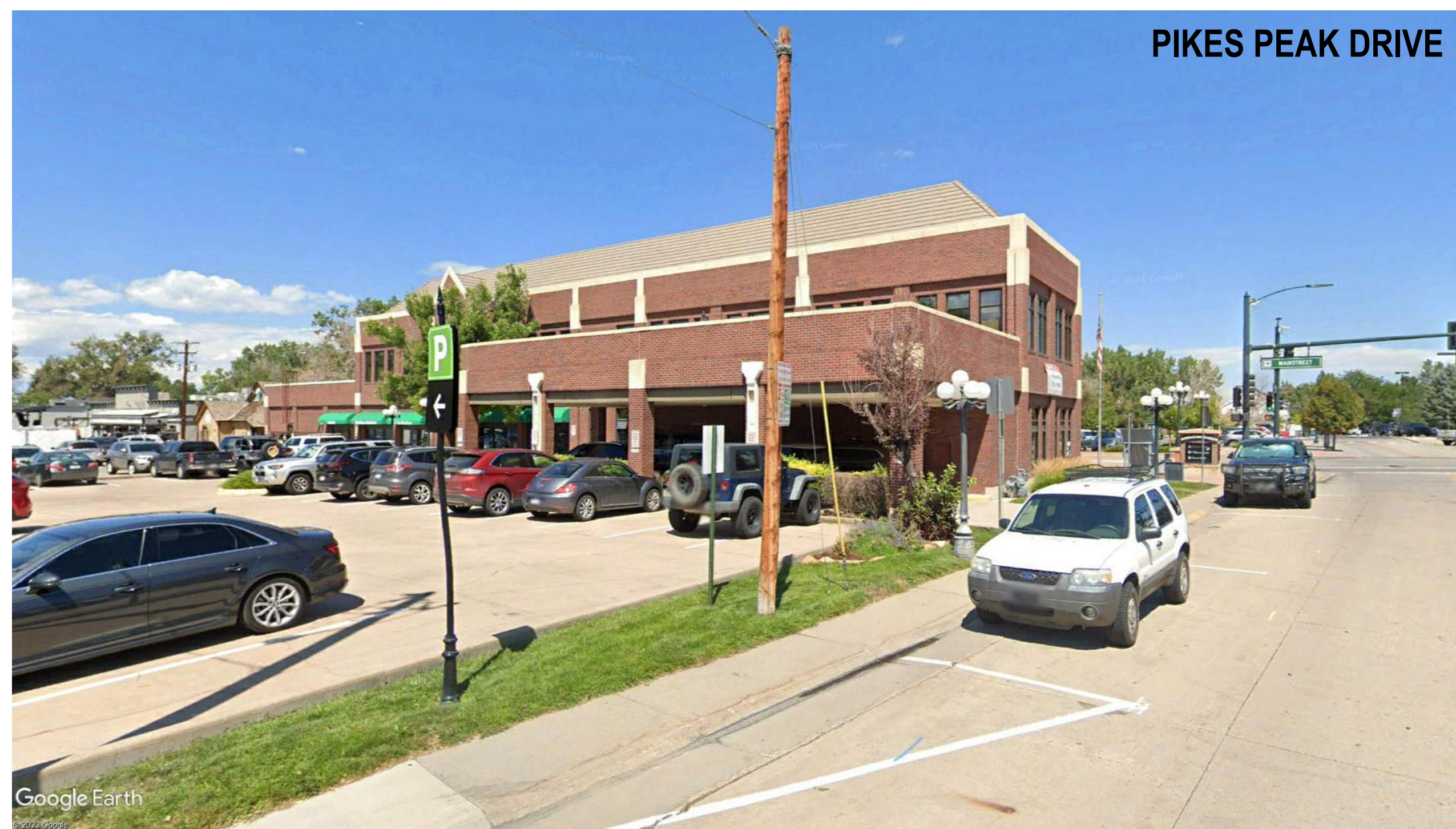
LOCATED IN THE NORTHEAST QUARTER OF SECTION 22, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN  
CITY OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO  
19590 E MAINSTREET



MAINSTREET



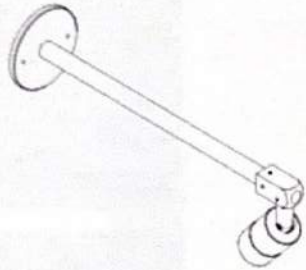
PIKES PEAK DRIVE



PIKES PEAK DRIVE



PILGRIMS PLACE



B-K LIGHTING DELTA STAR 18" SIGN LIGHT, POWDER COAT GRAY FINISH



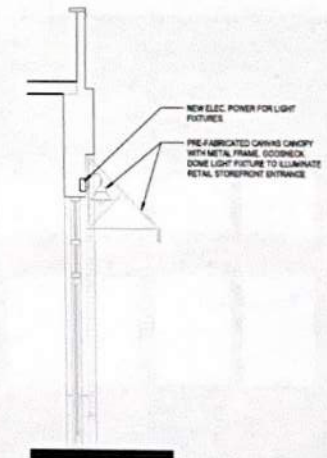
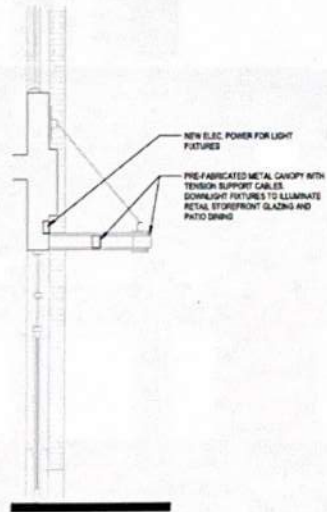
FOUR SEASONS AWNING PRE-MANUFACTURED ALUMINUM CANOPY, CHARCOAL GRAY



FOUR SEASON AWNING CANVAS AWNING, FOREST GREEN



BOCK LIGHTING 512-EG14-IG1 12" DOME LIGHT, POWDER COAT GRAY FINISH





NEW BRICK MECHANICAL VENT SURROUND,  
HEBRON BRICK, CHAMPAGNE VELOUR



HEBRON BRICK COMPANY THIN BRICK,  
CHAMPAGNE VELOUR

