

**Local Benchmarks:** BM-#



**BM-1:** (Chiseled box on the southeast corner of a 6'X4' curb inlet. First inlet south of intersection of SE Oldham Parkway and SE Century Drive. On the east side of SE Century Drive.)

Elevation: 1011.71'  
N: 995663.268  
E: 2828905.632

**BM-2:** (Chiseled box in the center line on the east side of a 7'X5' curb inlet north side of the furthest east island in the Home Depot parking lot.)

Elevation: 1025.66'  
N: 995397.712  
E: 2828534.125

**Symbols**

- ⊙ sanitary manhole
- ∩ service cleanout
- ⊕fmv force main release valve
- ▭ rectangular structure
- circular structure
- ⊕ fire hydrant
- ⊕wv water valve
- ⊕ water meter
- ⊕BFP backflow preventer
- ⊕ natural gas meter
- ⊕T service transformer (pad mount)
- ⊕S primary switch gear
- ⊕ light pole
- ⊕C cable/phone/data junction box
- ⊕ street light
- ⊕ pedestrian street light
- ⊕ electric pole
- guy wire
- ⊔ end section

**Erosion Control Legend**

- Silt fence
- ⊕ Inlet protection
- ▨ construction entrance
- ▨ concrete washout area
- waddle

**Property Legend**

- right of way
- property lines
- easements
- setbacks

**Grading Legend**

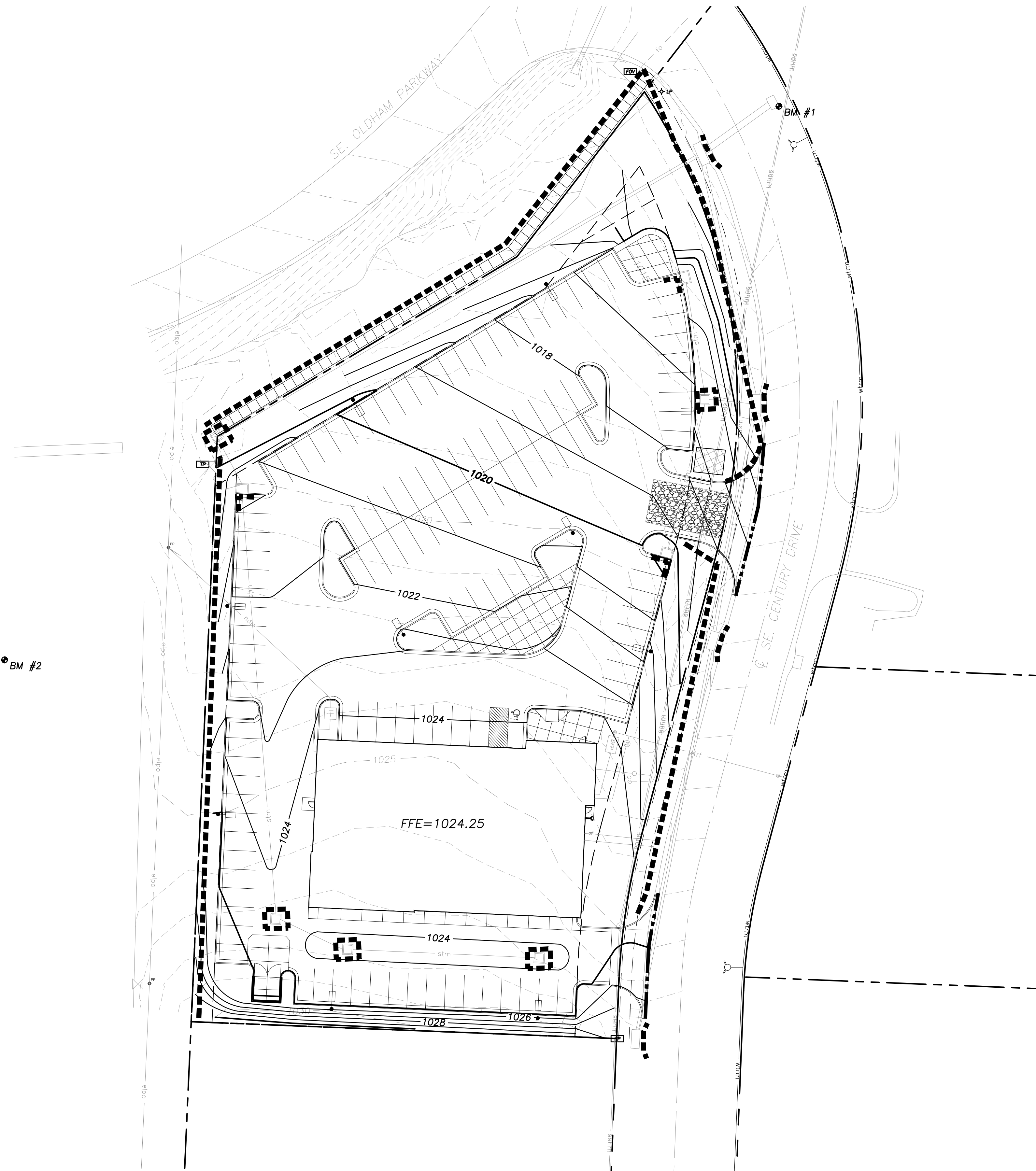
- existing minor contour
- existing major contour
- proposed minor contour
- proposed major contour

**Utility Legend**

- existing
- proposed

**Linetypes**

- sanm sanitary main
- sans sanitary service
- storm sewer (existing)
- storm sewer (solid wall, proposed)
- storm sewer (solid wall, proposed)
- storm sewer (perforated, proposed)
- wlm water main
- wlf water service (fire)
- wld water service (domestic)
- wli water service (irrigation)
- gasm natural gas main
- gass natural gas service schematic
- elpu underground primary electric
- elsu underground secondary electric
- datu underground cable/phone/data
- datsu underground cable/phone/data service

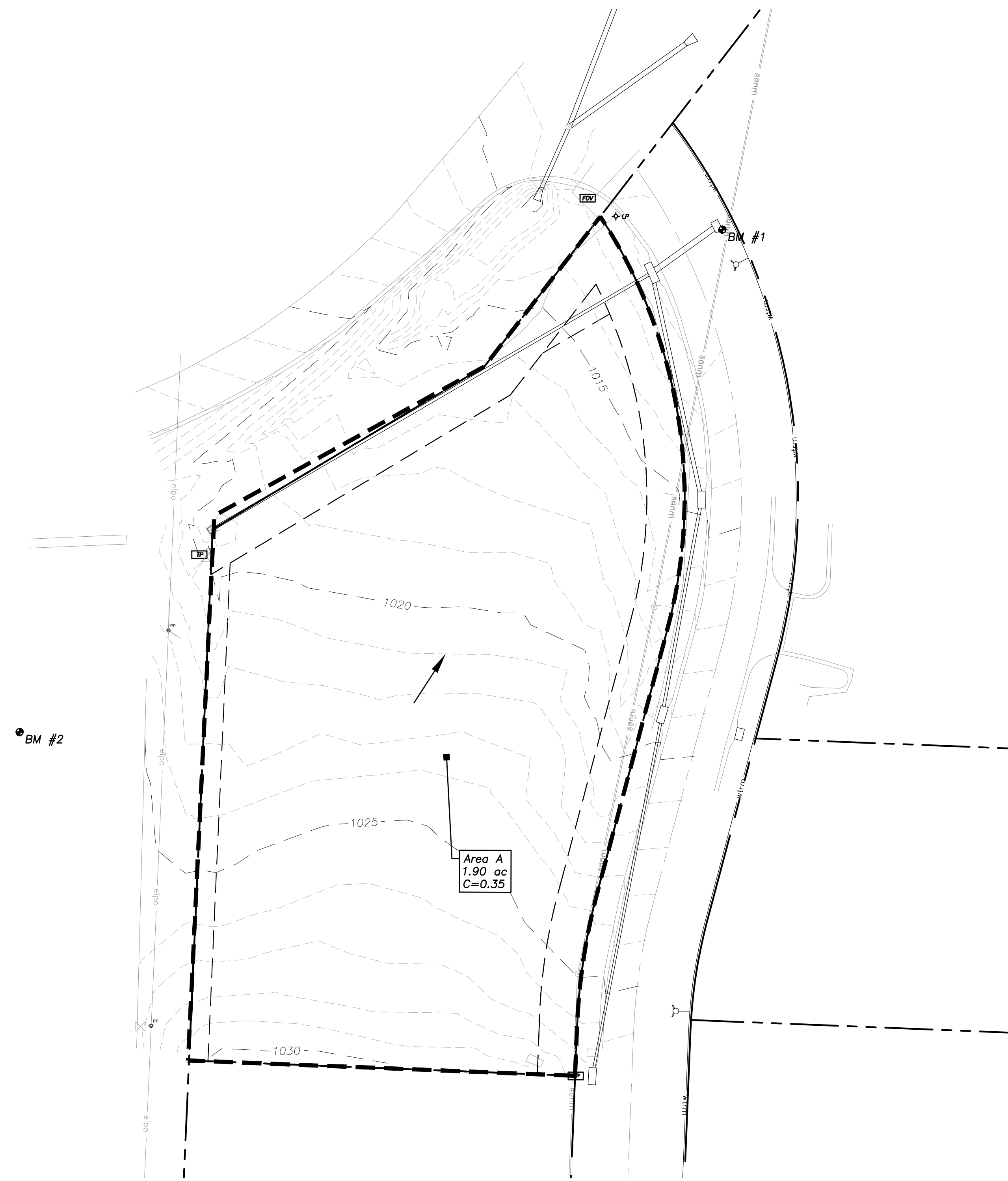
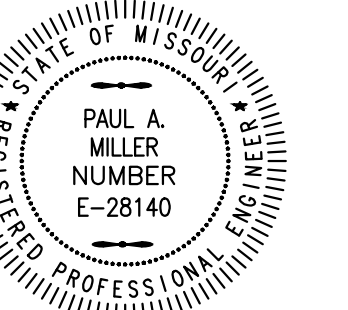


**1 Grading & Erosion Control Plan**  
1"=30'  
0 15 30 60  
north

a preliminary development plan for  
**McCarthy Service**  
1000 SE Century Drive  
Lee's Summit, Missouri

date 04.03.2018  
drawn by ANN  
checked by DAE  
revisions

sheet number  
**C2.1**  
drawing type preliminary  
project number 18014



Pre-Construction Impervious Area Calculations

	Square Feet	Acres
Area of Site	82,944	1.90
Impervious Area	0	0
Pervious Area	82,944	1.90

Q: 1 year	1.94 cfs
10 year	4.89 cfs
100 year	8.56 cfs

**Local Benchmarks:** BM-#

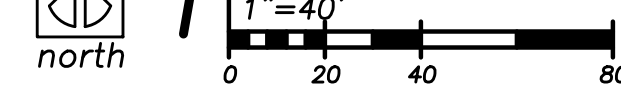
**BM-1:** (Chiseled box on the southeast corner of a 6'x4' curb inlet. First inlet south of intersection of SE Oldham Parkway and SE Century Drive. On the east side of SE Century Drive.)

Elevation: 1011.71'  
N: 995663.268  
E: 2828905.632

**BM-2:** (Chiseled box in the center line on the east side of a 7'x5' curb inlet north side of the furthest east island in the Home Depot parking lot.)

Elevation: 1025.66'  
N: 995397.712  
E: 2828534.125

**1 Existing Drainage Area Map**

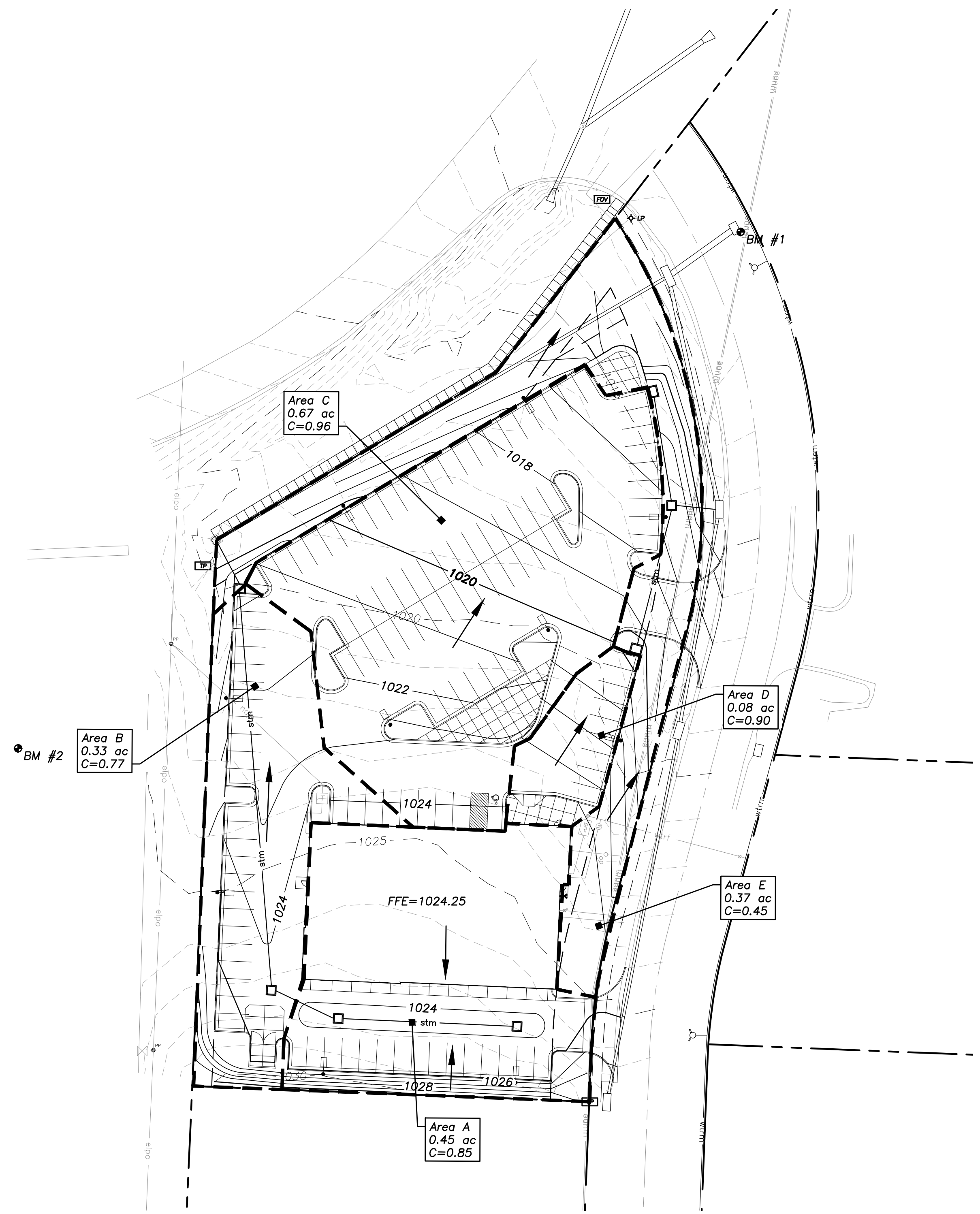


**Utility Legend**

	existing	proposed
sanm	—	—
sans	—	—
stm	—	—
wtrm	—	—
wtrf	—	—
wtrd	—	—
wtri	—	—
gasm	—	—
gass	—	—
elpu	—	—
elsu	—	—
datu	—	—
datu	—	—

**Linetypes**

sanm	sanitary main
sans	sanitary service
stm	storm sewer (existing)
stm	storm sewer (solid wall, proposed)
stm	storm sewer (solid wall, proposed)
stm	storm sewer (perforated, proposed)
wtrm	water main
wtrf	water service (fire)
wtrd	water service (domestic)
wtri	water service (irrigation)
gasm	natural gas main
gass	natural gas service schematic
elpu	underground primary electric
elsu	underground secondary electric
datu	underground cable/phone/data
datu	underground cable/phone/data service



Post-Construction Impervious Area Calculations

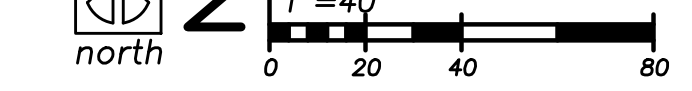
	Square Feet	Acres
Area of Site	82,944	1.90
Impervious Area	61,451	1.41
Pervious Area	21,493	0.49

Q: 1 year	4.16 cfs
10 year	10.47 cfs
100 year	18.34 cfs

**Symbols**

⊙	sanitary manhole
⊙	service cleanout
⊙	force main release valve
⊙	rectangular structure
⊙	circular structure
⊙	fire hydrant
⊙	water valve
⊙	water meter
⊙	backflow preventer
⊙	natural gas meter
⊙	service transformer (pad mount)
⊙	primary switch gear
⊙	light pole
⊙	cable/phone/data junction box
⊙	street light
⊙	pedestrian street light
⊙	electric pole
⊙	guy wire
⊙	end section

**2 Proposed Drainage Area Map**



**Drainage Legend**

---	drainage area
-----	---------------

**Property Legend**

---	right of way
---	property lines
---	easements
---	setbacks

**Grading Legend**

---	existing minor contour
---	existing major contour
---	proposed minor contour
---	proposed major contour



a preliminary development plan for  
**McCarthy Service**  
1000 SE Century Drive  
Lee's Summit, Missouri

date 04.03.2018  
drawn by ANN  
checked by DAE  
revisions

sheet number  
**C3.1**  
drawing type preliminary  
project number 18014

**Landscape Requirements**

Site Area: 82,944 sq. ft., 1.9 acres  
Impervious Area: 61,451 sq. ft.  
Coverage Ratio: 74.1%  
Green Space: 21,493 sq. ft.  
Coverage Ratio: 25.9%

**Open Area**  
Shrubs:  
2 per total lot area/ 5,000 sq.ft  
82,944 sq. ft. / 5,000 x 2 = 33.2 required, 33 shrubs provided  
Trees:  
One per total lot area not covered by building/ 5,000 sq.ft  
72294 sq.ft. / 5,000= 14.5 required, 15 trees provided

**Street Frontage @ East**  
20' landscape strip provided  
408 l.f. / 30' = 13.6 required trees and 14 trees provided  
408 l.f. / 20' = 20.4 required shrubs and 21 shrubs provided

**Street Frontage @ Northwest**  
20' landscape strip provided  
287.6 l.f. / 30' = 9.6 required trees and 9 trees provided  
287.6 l.f. / 20' = 14.4 required shrubs and 14 shrubs provided

**Buffer @ South**  
CP-2 bordering PI (Planned Industrial)  
Medium Impact Screening required along 204 l.f. x 20' depth = 4080 s.f.  
Shade Tree: 1/1000 s.f. = 4 required and 4 provided  
Ornamental Tree: 1/500 s.f. = 8 required and 8 provided  
Evergreen Tree: 1/300 s.f. = 13.6 required and 14 provided.  
Shrubs: 1/200 s.f. = 20.4 required and 21 provided.

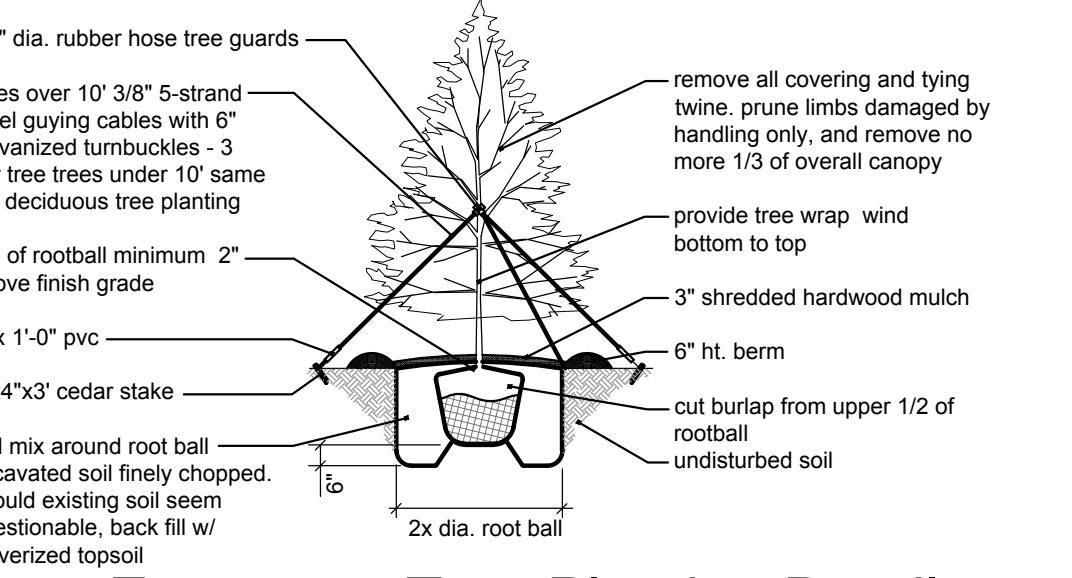
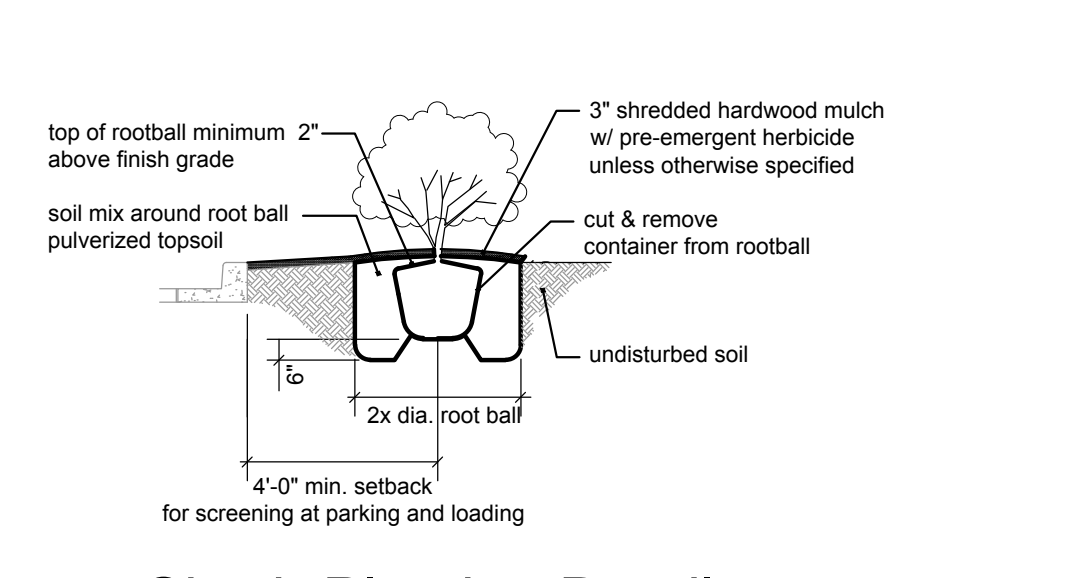
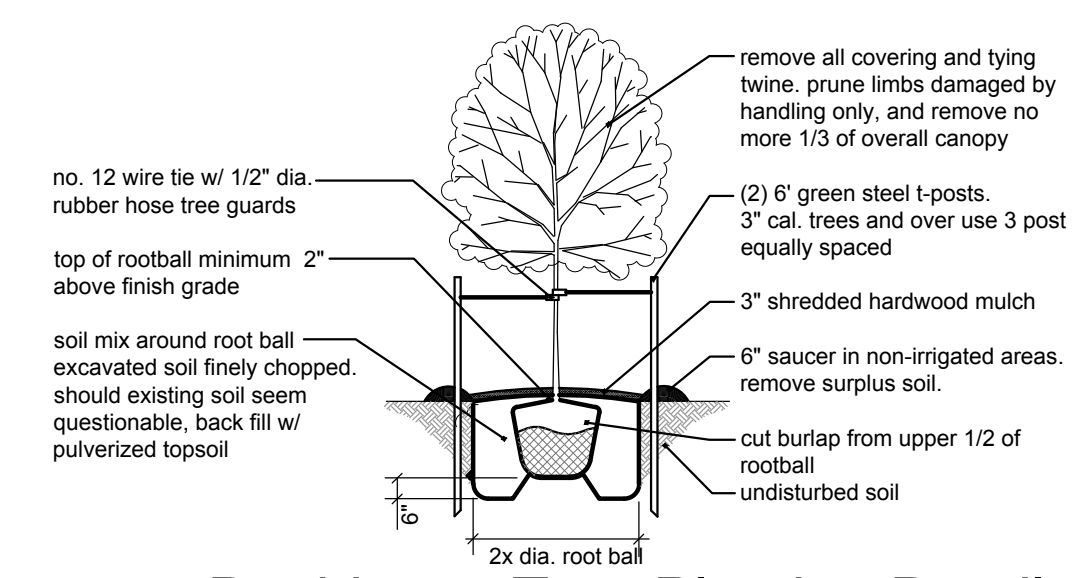
**Parking and Loading Area Landscaping**  
Parking area: 49,020.4  
5% of parking area required = 2,451 sq. ft. landscaping required  
5.8% of parking area provided = 2859.7 sq. ft. landscaping provided

64 total trees required, 20 shade trees 14 evergreen, 30 ornamental provided = 64 provided.  
56 total shrubs required, 166 provided (additional shrubs per 100% parking screening)

plant schedule					
	item	qty.	common name	botanical name	size & condition
deciduous shade trees	og	8	october glory maple	acer rubrum 'october glory'	3" cal.
	sl	12	skyline locust	gleditsia tricanthos inermis 'skycole'	3" cal.
evergreen	wp	14	white pine	pinus strobus	8' tall
ornamental	rb	18	redbud	cercis canadensis	3" cal.
	cd	12	spring snow crabapple	malus 'spring snow'	3" cal.
begin. shrub	wb	37	wintergreen boxwood	buxus microphylla	24-30" b & b or 5 gal. / cont.
dec. shrub	lps	75	'little princess' spirea	spirea japonica 'little princess'	24-30" b & b or 5 gal. / cont.
	cwe	54	'goldenflame' spirea	spirea x bumalda	24-30" b & b or 5 gal. / cont.

landscape notes:

- Landscape shall be coordinated with the location of utilities, driveways and traffic clearance zones.
- The contractor doing excavation on public right-of-way shall give 48 hours advance notice to and obtain information from utility companies.
- Prior to commencement of work, the contractor shall notify all those companies which have facilities in the near vicinity of the construction to be performed.
- Existing underground, overhead, utilities and drainage structures have been plotted from available information and therefore, their locations must be considered approximate only. It is the responsibility of the individual contractors to locate their utilities before actual construction.
- Contractor shall verify location of and protect all utilities and structures. Damage to utilities and structures shall be repaired by the contractor to the satisfaction of the owner at no additional expense.
- Entire site to be irrigated by underground system, including right of way as req'd. (limits of sod including all other disturbed areas and all planting beds)
- Irrigation system shall include an automatic rain sensor.
- All landscape materials shall be installed in accordance with the current planting procedures established by the most recent addition of the American Standard for Nursery Stock.
- Trees planted per this plan shall be installed during the spring (march 15 through june 15) or fall (september 15 through december 1). Written city approval will be required for planting during other times of the year.
- Stake and guy all trees per planting details.
- Install all shrubs and groundcover per planting details.
- Elevation of top of mulch shall be 1/2" below any adjacent pavement/turf areas.
- Root stimulator shall be applied to the soil backfill of each plant during installation.
- Contractor shall verify all landscape material quantities and shall report any discrepancies immediately to the Landscape Architect.
- Contractor shall stake plant locations in the field and have approval by the Landscape Architect before proceeding with installation.
- Contractor shall guarantee all plant material for a period of one (1) year from date of initial acceptance. Contractor is responsible for maintaining plant material until acceptance is received. Maintenance shall include watering, maintaining plants in vertical position and shrub bed weed control.
- All plant material shall meet or exceed minimum requirements defined by the "American Standard for Nursery Stock" ANSI Z60.1.
- No plant material shall be substituted without written approval of the Landscape Architect per specifications.
- Trees and seasonal color areas shall be mulched with three (3) inches minimum shredded hardwood mulch. Planting beds as delineated shall be separated from pavement/turf areas with metal edging and mulched with three (3) inches minimum shredded hardwood mulch over weed barrier fabric, except where otherwise specified.
- All existing plant material to be retained shall be wrapped with orange, or bright, colored plastic snow fence around base of trees and around all shrubs. Stake to hold in place during construction.
- All shrubs used as parking buffer to be min. 18" tall at planting and maintained 3'-0" max. height. Install plants not to encroach upon cars parked, when at full growth.
- All trees with above a 2" caliper shall be double staked, while smaller trees shall be single staked.
- Ground mechanical and electrical equipment shall be wholly screened from street right-of-way and residential developments.
- Maximum slope shall be not greater than 3 : 1.
- All portions of site not covered by paving, mulch, plantings, etc. are to be sodded. Sod shall extend to all disturbed areas and shall include portions of right of way if necessary.



**1 Site Plan**  
scale: 1" = 30'-0"  
north

a preliminary development plan for  
**McCarthy Service**  
1000 SE Century Drive  
Lee's Summit, Missouri

date: 04.03.2018  
drawn by: WJD  
checked by: DAE  
revisions:

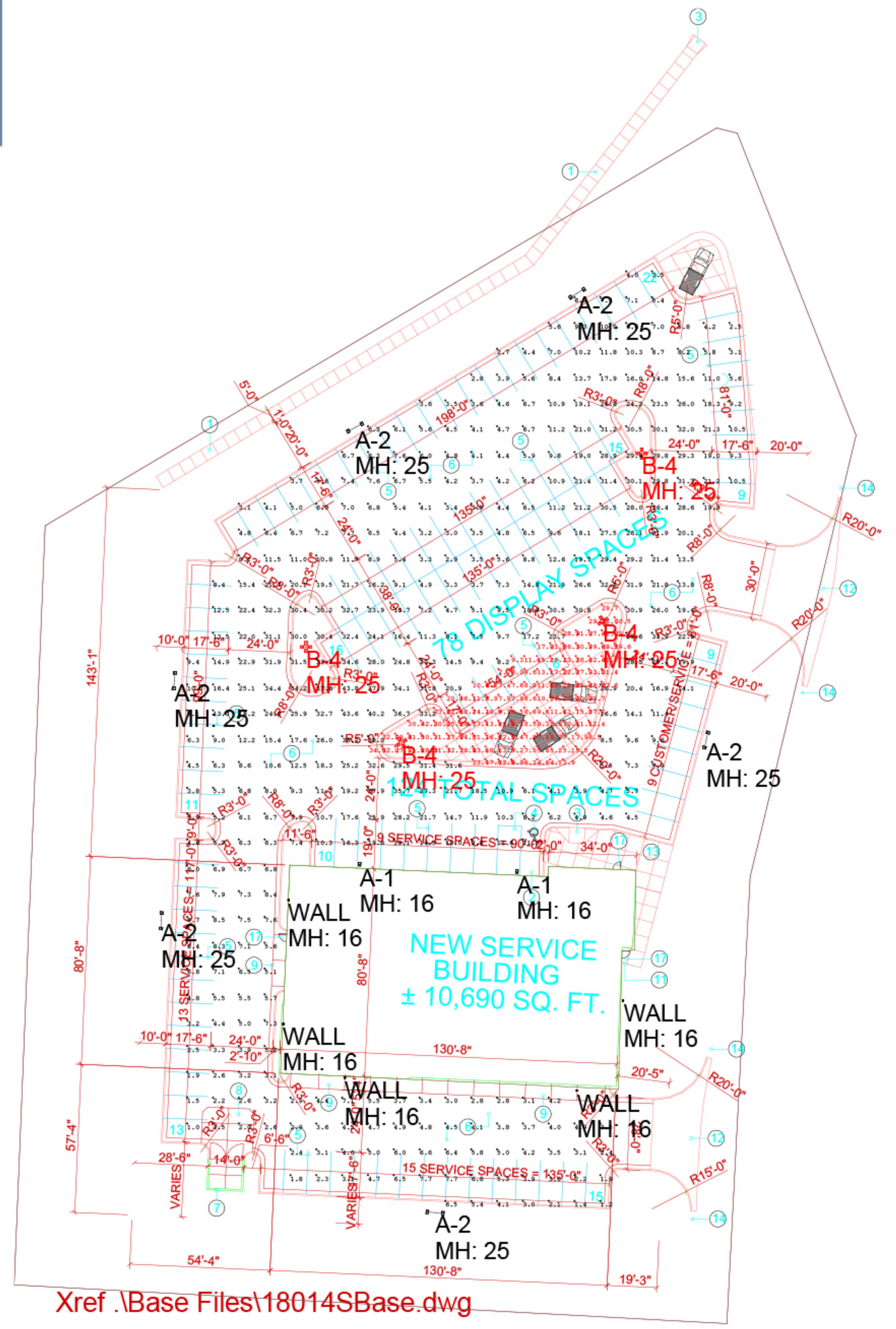
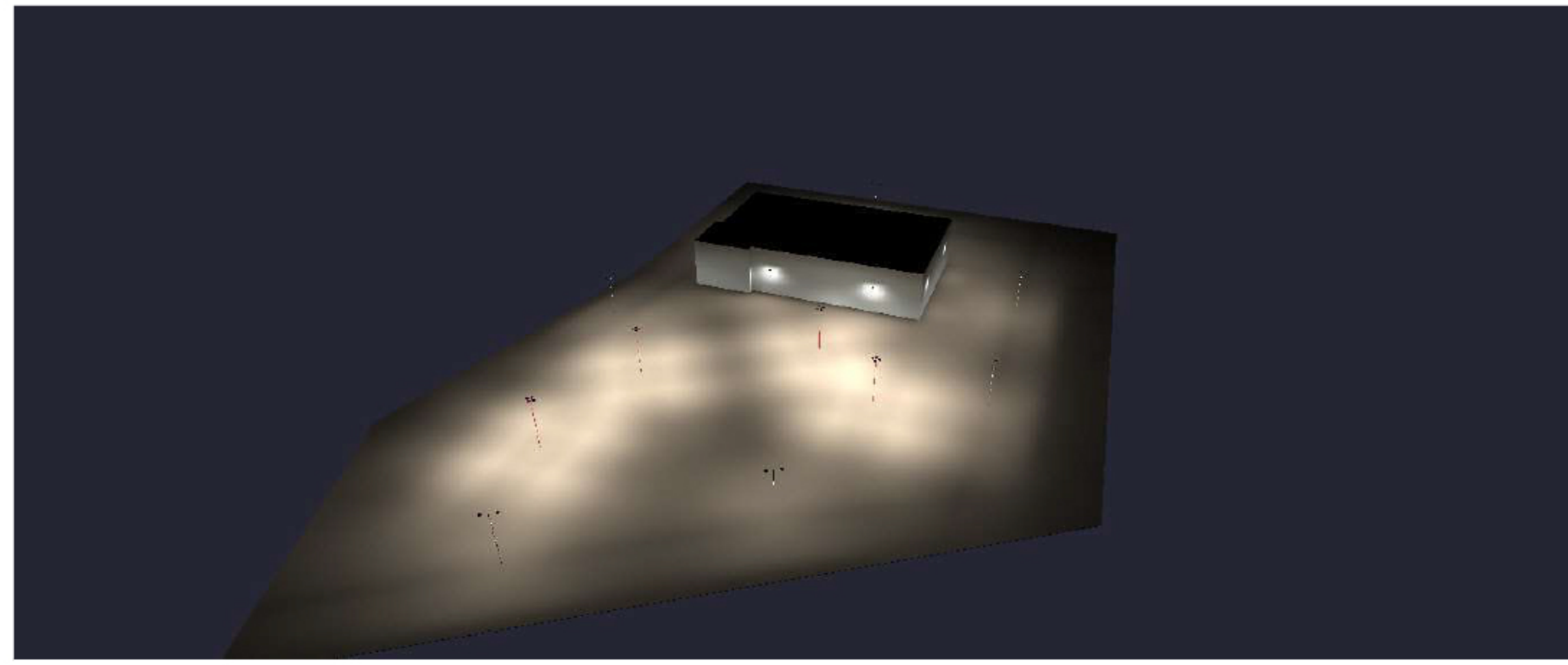
sheet number  
**L1.1**  
drawing type  
preliminary  
project number  
18014

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	6	A-2	TWIN	N.A.	0.900	VISIONAIRE VLX-1-T5W-128LC-7-4K-UNV_CLS-GG
	2	A-1	SINGLE	N.A.	0.900	VISIONAIRE VLX-1-T5W-128LC-7-4K-UNV_CLS-GG
	5	WALL	SINGLE	N.A.	0.900	VISIONAIRE VSC-1-T4-48LC-3-3K-UNV_GG
	4	B-4	4 @ 90 DEGREES	N.A.	0.900	VISIONAIRE VLX-1-T4A-192LC-7-4K-UNV_CLS-GG

Numeric Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CENTER ISLAND FOR SHOW	Illuminance	Fc	18.33	34.9	3.9	4.70	8.95
PARKING LOT	Illuminance	Fc	12.64	43.8	1.0	12.64	43.80



Hello Will  
 I am waiting on this, but I have questions on this.  
 1. Big height-need for reflectances and get an accurate calculation. Please see attached CAD elevations (128'-10" max)  
 2. Big mounted lighting ok to use? Yes. Elevations are included to help with placement.  
 3. Footcandle required for dealership - foot row vs center of rd. Refer to Lee's Summit LDO (link below, see section Light Standards)  
 4. Is this an addition to dealership or entire new site - I ask because this is a match existing lighting. This is a new site. It is for a dealer across the street at 945 SE Oldham Pkwy, Lee's Summit, MO 64081... I would try to match them roughly with the area across the street. But it doesn't need to be exact.  
 5. Properly line- do we need to show in calc- show 0 footcandle beyond property line Refer to Lee's Summit LDO (link below, see section Light Standards)  
 6. No Lighting placement was given, so can we put in islands and in grass around property perimeter. Please see updated site plan with some lights around the perimeter. We added these to be representations for our submission, if they need to shift that is ok.



Xref .\Base Files\18014SBase.dwg



Excellence in Illumination  
 Engineering Software  
 Since 1984  
 Lighting Analysts  
 www.ag132.com

Copyright © 2018  
 Lighting Analysts, Inc.

Comments	Date	#

Revisions

Drawn By: GREGG GARNER  
 Checked By:  
 Date: 3/6/2018  
 Scale:

**project synopsis:**

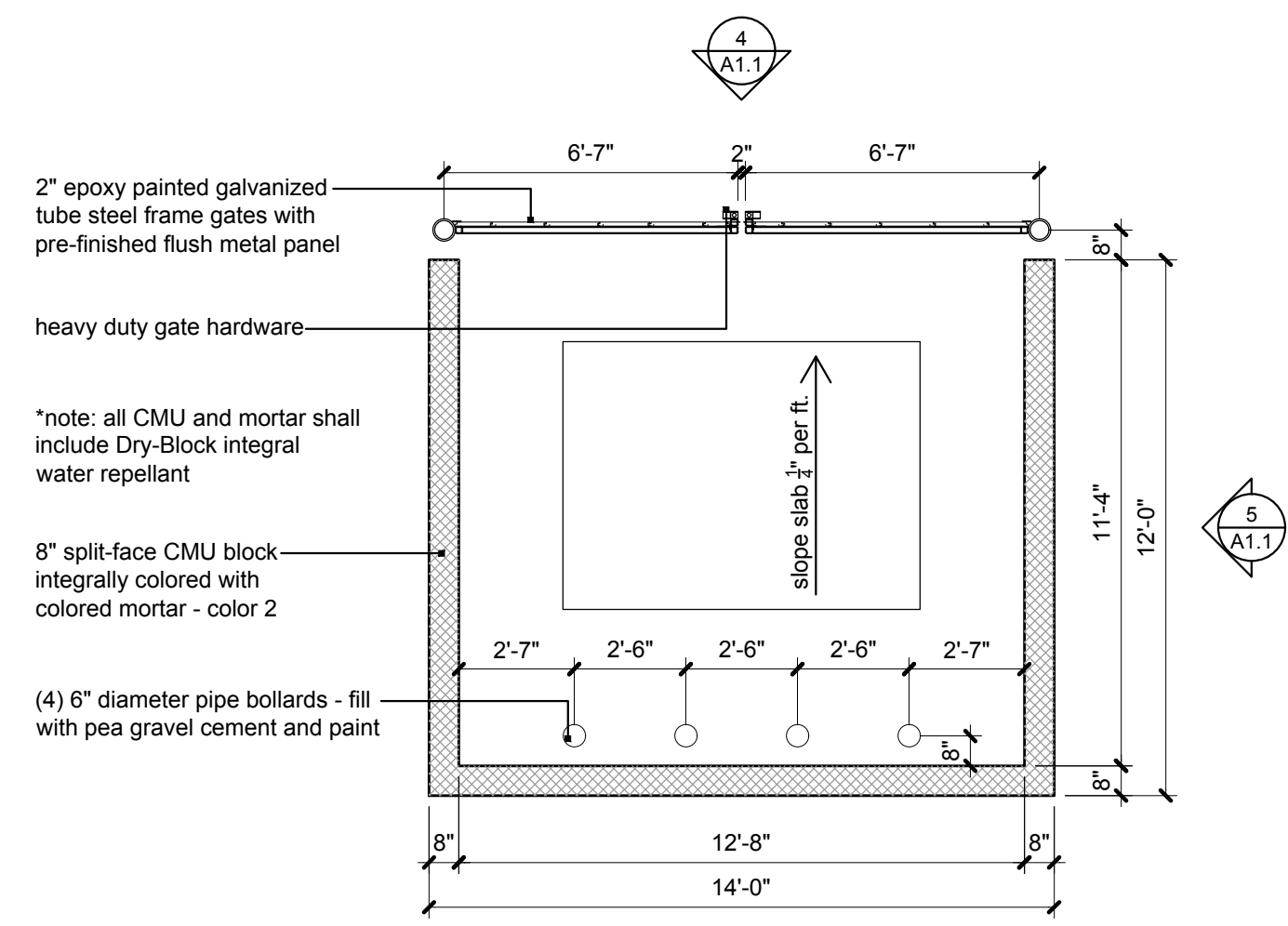
Governing Municipality: Lee's Summit, Missouri  
Governing Code: 2012 IBC, 2012 IMC, 2012 IPC, 2012 IFGC, 2012 IFC, 2011 NEC, 2010 ADA/ANSI 117.1  
Responsible Party: Justin Bridges, AIA  
4301 Indian Creek Parkway  
Overland Park, Kansas 66207  
p: 913.451.9390  
Legal Description: Lot 12, Eastside Business Park, a subdivision in Lee's Summit, Jackson County, Missouri, according to the recorded plat thereof.  
Site Area: 82,944 sq. ft. (+/- 1.90 acres)  
Impervious Area: 61,609 sq. ft. (74.3%)  
Green Space: 21,335 sq. ft. (25.7%)  
Building Area: 10,690 sq. ft.  
Floor Area Ratio: 10,690 / 82,944 = 12.9 %  
Zoning: CP-2  
Parking Required: 2 / 1,000 sq. ft. indoor sales = 0  
1 / 2,500 sq. ft. outdoor sales @ 14,601 sq. ft. = 6 spaces  
3 / service bay @ 14 = 42 spaces  
total = 48 spaces  
14 employees & 6 customer spaces; 20 spaces = 1 ADA spot req.  
Parking Provided: 124 spaces

**general notes:**

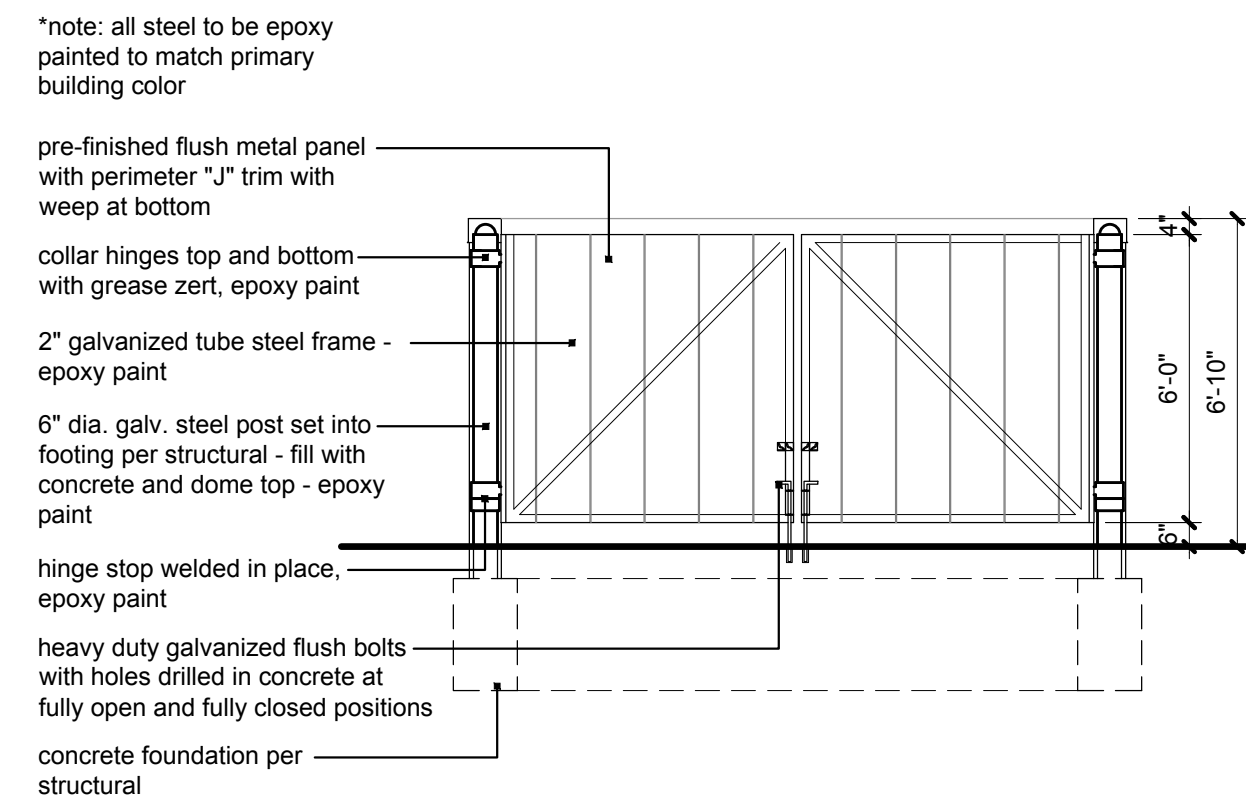
- All construction shall conform to the standards and specifications of the city of Lee's Summit, Missouri.
- The general contractor shall contact all utility companies prior to the start of construction and verify the location and depth of any utilities that may be encountered during construction.
- The contractor shall field verify existing surface & subsurface ground conditions prior to start of construction.
- Slopes shall maintain a maximum 3:1 slope. Refer to Civil Engineering drawings for grading plans.
- The contractor shall be responsible for obtaining all required permits, paying all fees, and otherwise complying with all applicable regulations governing the project.
- Place silt fence for erosion control per Civil Engineering drawings and as required.
- Provide a temporary gravel access drive to prevent mud from being deposited onto the adjacent road.
- Prior to installing any structure on a public storm sewer, the contractor shall submit shop drawings for the structure(s). Installation shall not occur until drawings have been approved by public works.
- Prior to installing, constructing, or performing any work on the public storm sewer line (including connecting private drainage to the storm system) contact the city for inspection of the work. contact must be made at least 48 hours prior to the start of work.
- Connections to the public storm sewer between structures will not be permitted.
- All above ground utility termination points shall be screened from view with appropriate landscaping and shall be painted to match the primary adjacent wall color.
- Prior to final inspection, the general contractor shall meet with the Lee's Summit Fire Department to designate fire lane and fire lane sign locations to be installed per Fire Department direction and requirements.

**construction notes: #**

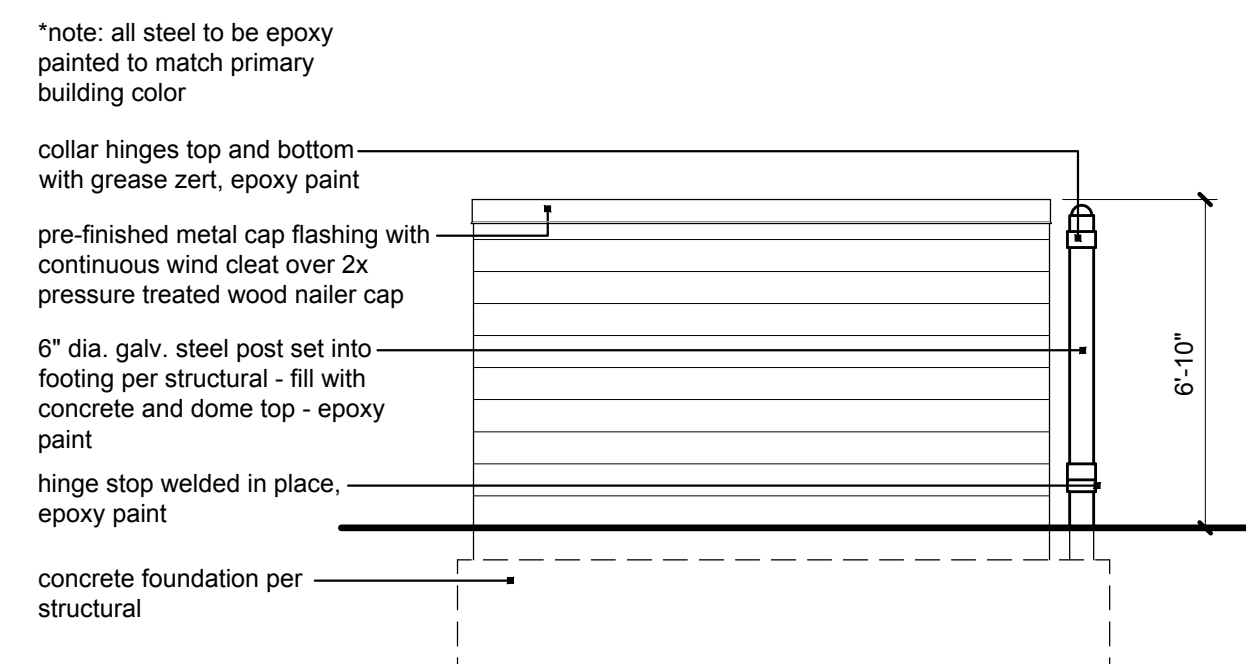
- .4" thick with 6x6 10/10 wwf steel mesh. Control joints at 5'-0" o.c. Broom finish for non-slip surface.
- Handicap parking signage. Mount sign at not more than 60" a.f.g. to bottom. Sign to contain the universal handicap symbol and "van accessible" as required per ADA.
- Furnish and install ADA accessible ramp and sidewalk per civil.
- Handicap striping and universal symbol painted white with 4" stroke.
- Parking lot striping to be painted white with 4" stroke.
- Asphalt and concrete parking lot paving shall meet city of Lee's Summit, Missouri construction standards.
- Furnish & install trash enclosure per detail.
- Furnish & install concrete pad at trash enclosure per civil.
- Furnish and install concrete apron per civil.
- Location of FDC. Verify final placement with Lee's Summit Fire Department prior to installing.
- Furnish and install a Knox Box at 6'-0" a.f.g. over the FDC for fire department access. Verify final placement with Lee's Summit Fire Department prior to installing.
- Furnish & install new concrete drive approach, sawcut existing curb & gutter as required to install drive approach. Match new approach elevation with existing surface.
- Concrete sidewalk. 4" thick with 6x6 10/10 wwf steel mesh. Control joints at 6'-0" o.c. Broom finish for non-slip surface.
- Existing curb to remain.
- Parking lot lighting. LED light on 28' high pole with 36" high, 24" dia. concrete base. Locate per electrical drawings.
- Furnish and install frost depth concrete stoop at all exterior doors per structural, typ.
- Concrete sidewalk at display area. 6" thick with 6x6 10/10 wwf steel mesh. Control joints at 5'-0" o.c. Broom finish for non-slip surface.
- Furnish and install limestone boulder retaining wall to form front edge of display pad.
- Future 5'-0" wide concrete sidewalk



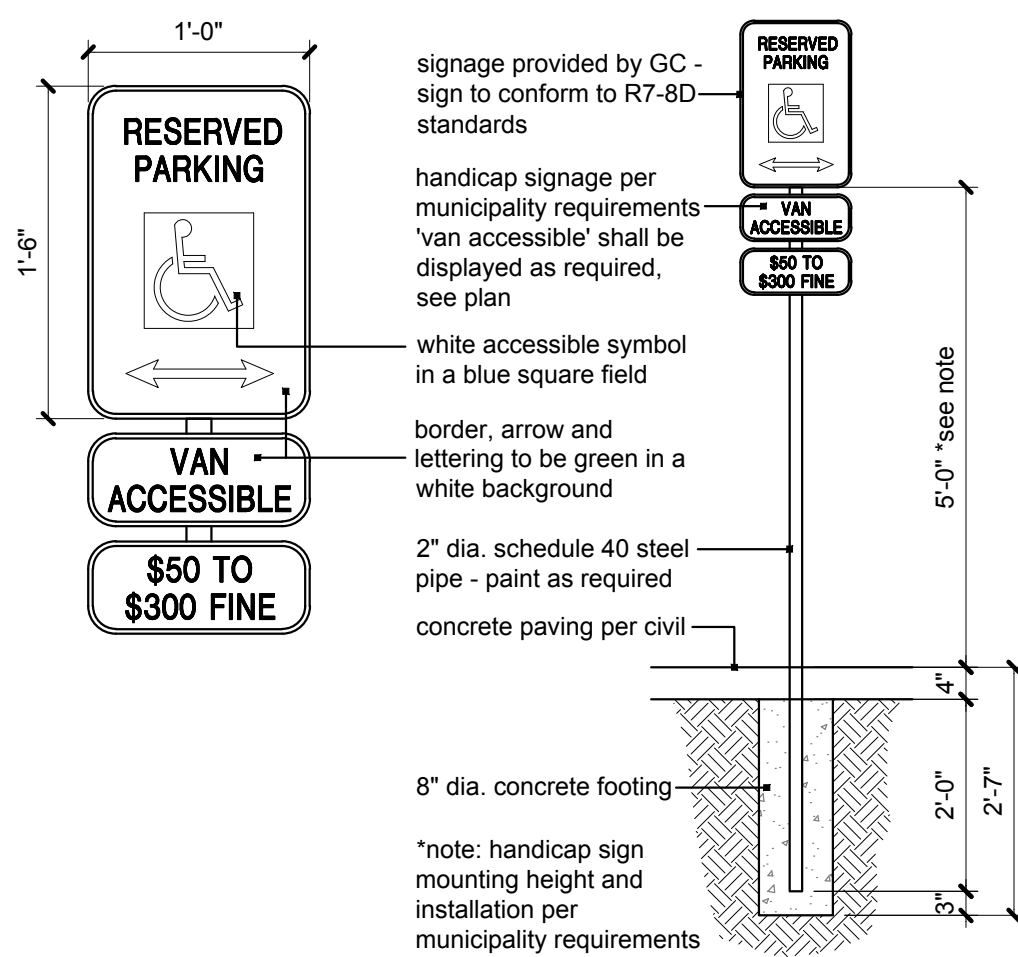
**3 trash enclosure plan**  
scale: 1/4" = 1'-0"



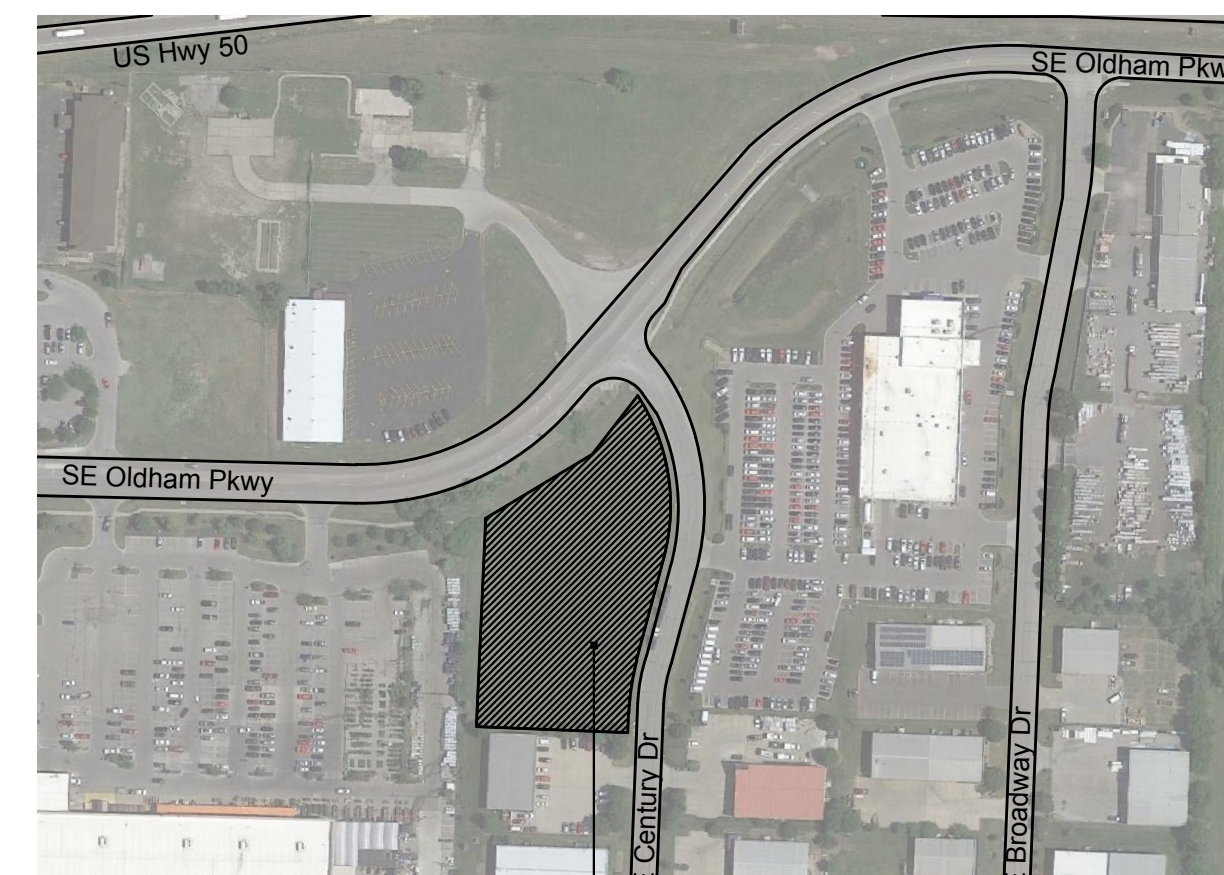
**4 trash enclosure front elevation**  
scale: 1/4" = 1'-0"



**5 trash enclosure side elevation**  
scale: 1/4" = 1'-0"

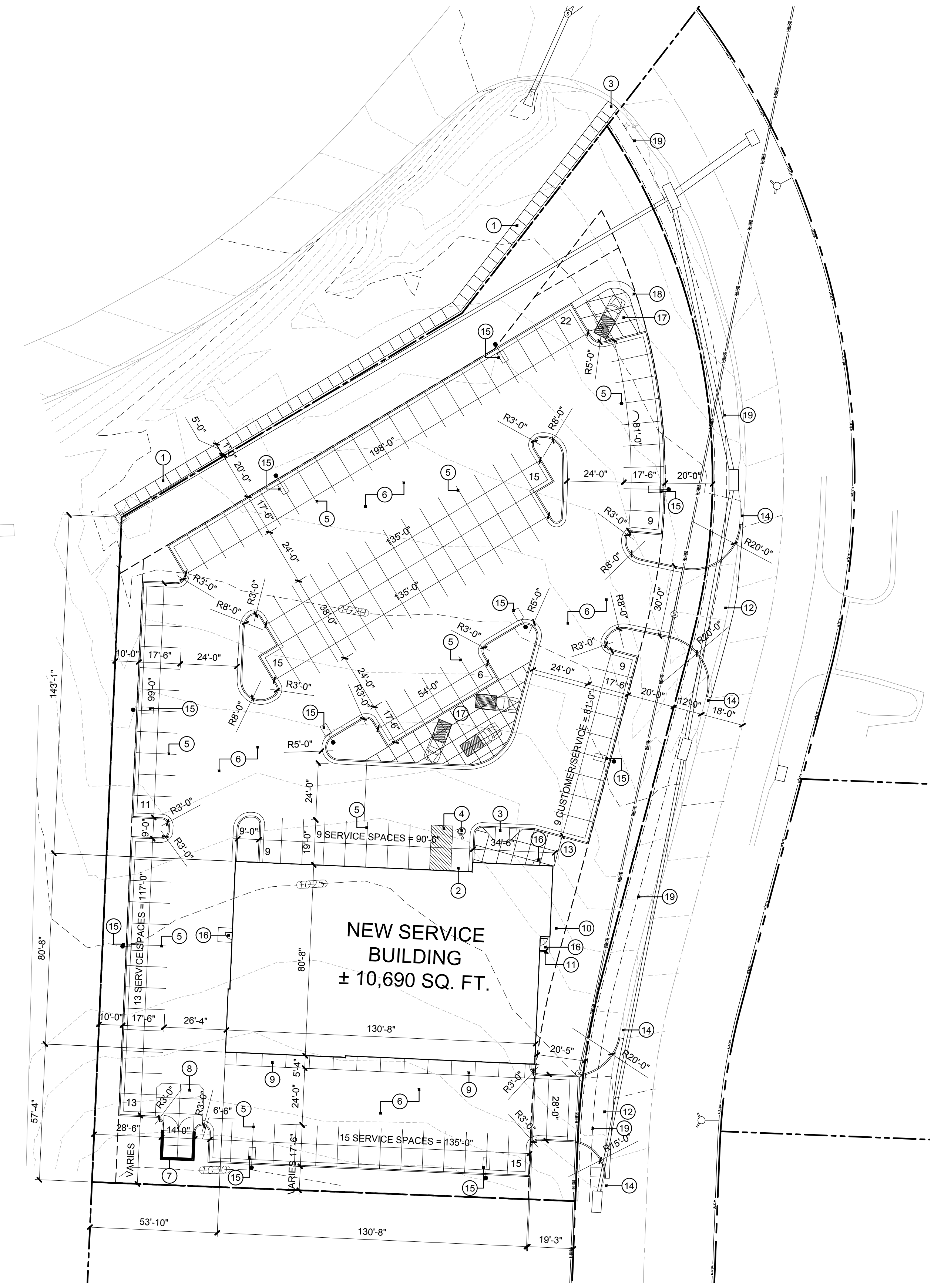


**6 ADA sign detail**  
scale: 1/2" = 1'-0"



project location

**2 vicinity map**  
not to scale



**1 site plan**  
scale: 1" = 30'-0"

SE Hamblen Rd





**1** south elevation  
 scale: 1/8" = 1'-0"



**2** west elevation  
 scale: 1/8" = 1'-0"



**3** east elevation  
 scale: 1/8" = 1'-0"



**4** north elevation  
 scale: 1/8" = 1'-0"

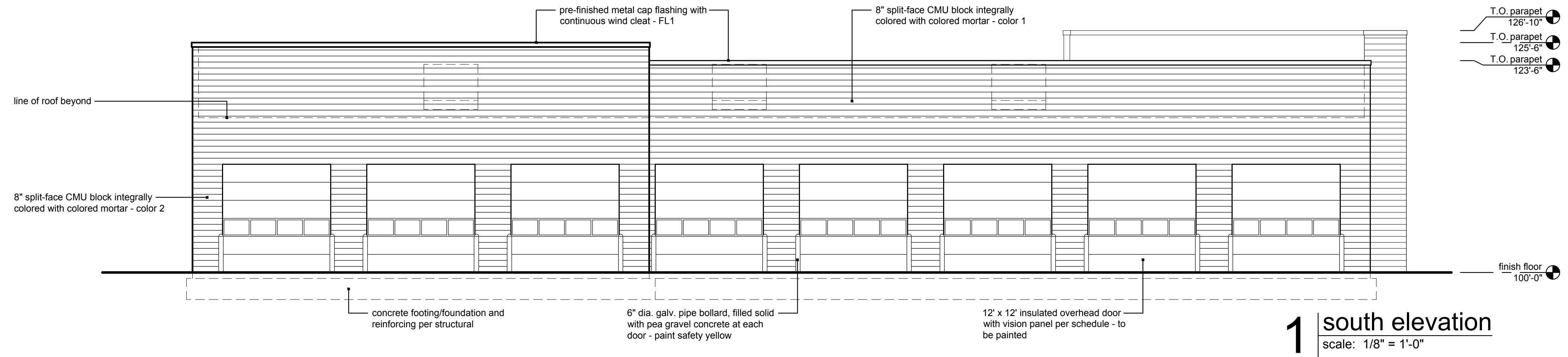
a preliminary development plan for  
**McCarthy Service**  
 1000 SE Century Drive  
 Lee's Summit, Missouri

date: 04.03.2018  
 drawn by: WJD  
 checked by: DAE  
 revisions: △

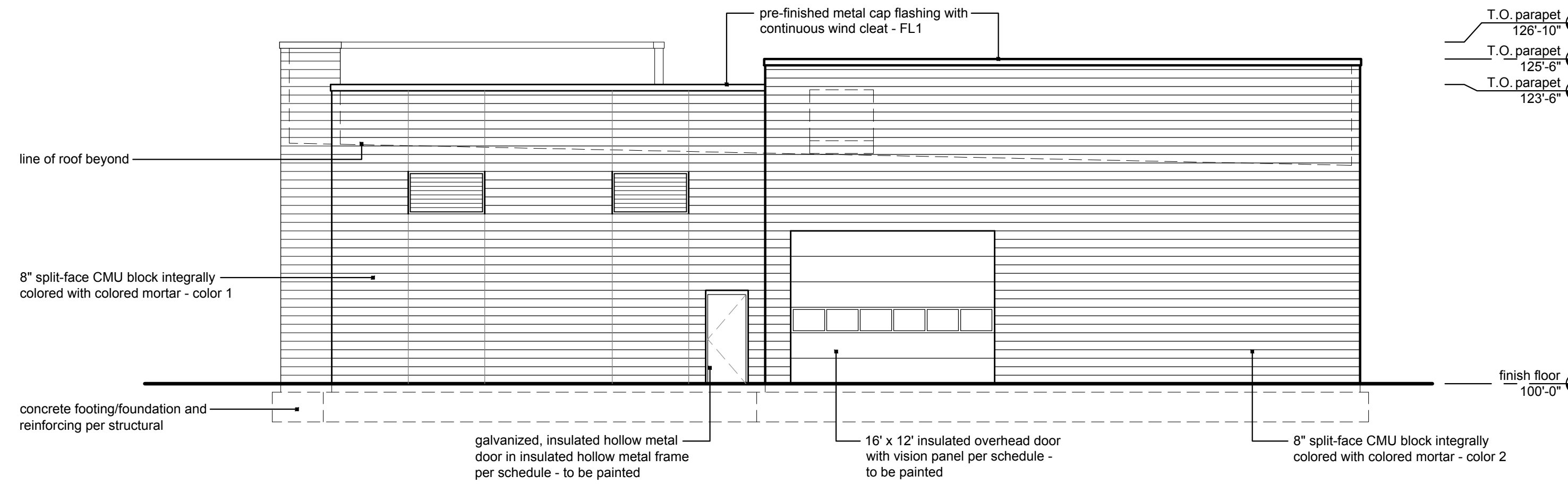
sheet number  
**A3.1**  
 drawing type: preliminary  
 project number: 18014

**exterior materials and finishes:**

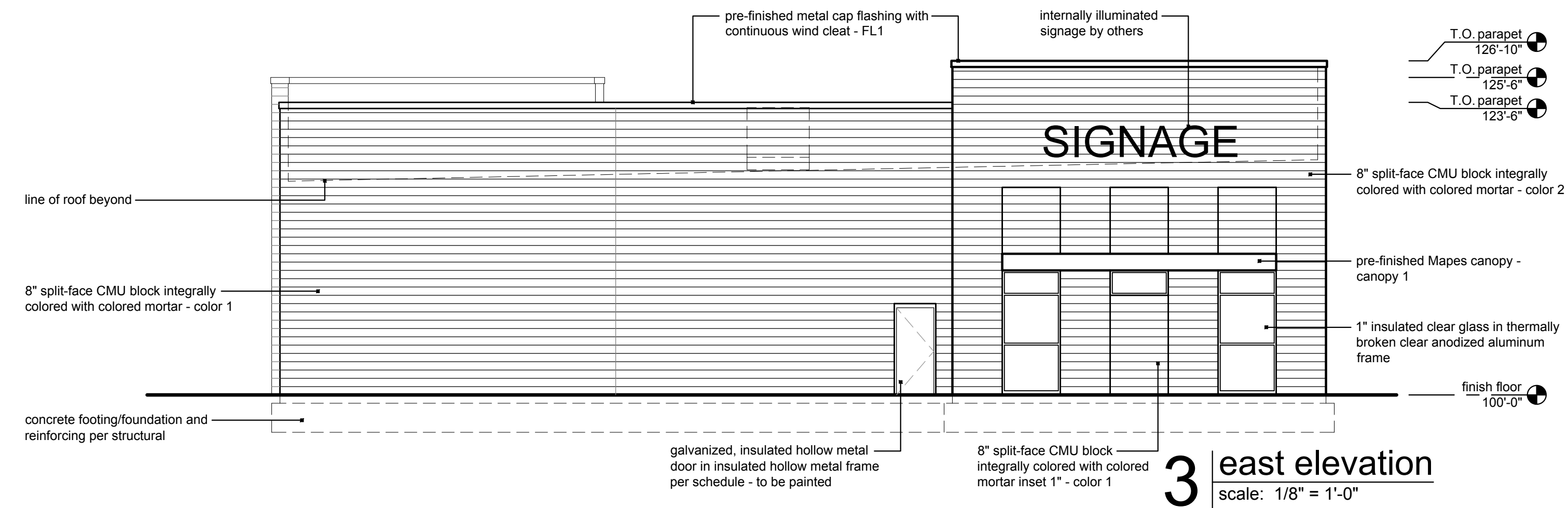
- CMU:**  
color 1 - Midwest Block & Brick, (split-face finish), color: limestone  
color 2 - Midwest Block & Brick, (split-face finish), color: slate  
\*all block shall include Dry-Block integral water repellent
- Mortar:**  
integral color: tbd  
\*all mortar shall include Dry-Block integral water repellent
- Storefront:**  
anodized aluminum frame, color: clear
- Glass:**  
1" insulated with low-E coating and argon fill  
\*use SOLARBAN 60 as basis
- Cauk:**  
to match adjacent walls
- Flashing:**  
pre-finished 24 ga., Firestone, color: charcoal grey
- Canopy:**  
canopy 1 - Mapes, cantilever, supershade, color: GM Chevy blue  
canopy 2 - Mapes, cantilever, lumishade, color: GM Chevy blue
- Bollards:**  
paint safety yellow
- Hollow Metal Doors:**  
Sherwin Williams, color: web grey SW7075
- Overhead Doors:**  
Sherwin Williams, color: web grey SW7075



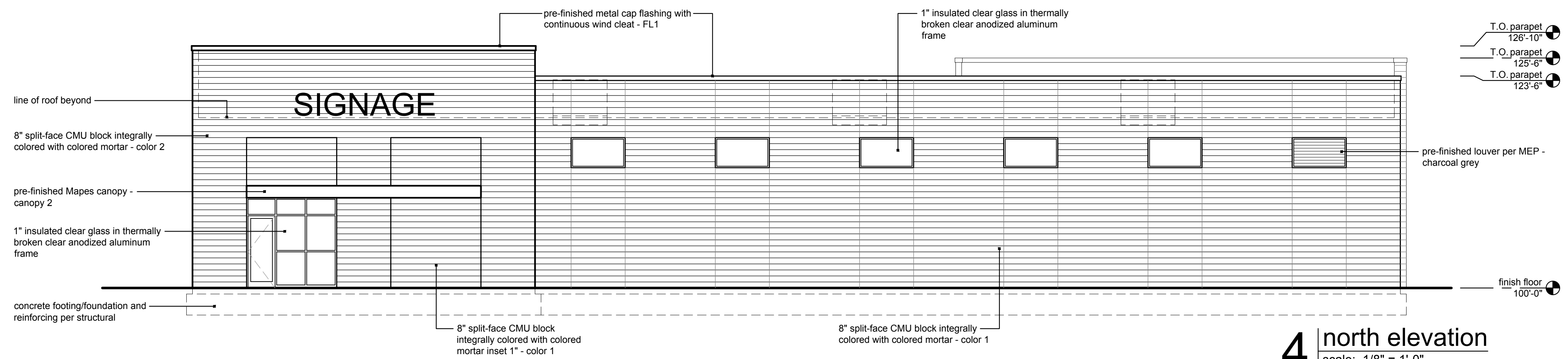
**1 south elevation**  
scale: 1/8" = 1'-0"



**2 west elevation**  
scale: 1/8" = 1'-0"



**3 east elevation**  
scale: 1/8" = 1'-0"

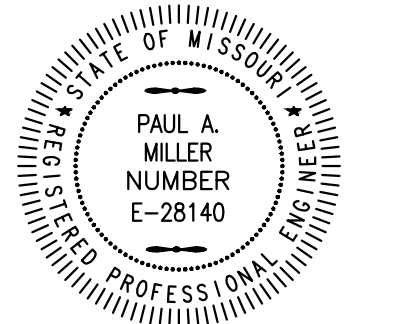


**4 north elevation**  
scale: 1/8" = 1'-0"

a preliminary development plan for  
**McCarthy Service**  
1000 SE Century Drive  
Lee's Summit, Missouri

date 04.03.2018  
drawn by WJD  
checked by DAE  
revisions

sheet number  
**A3.1**  
drawing type preliminary  
project number 18014



# A new facility for McCarthy Service

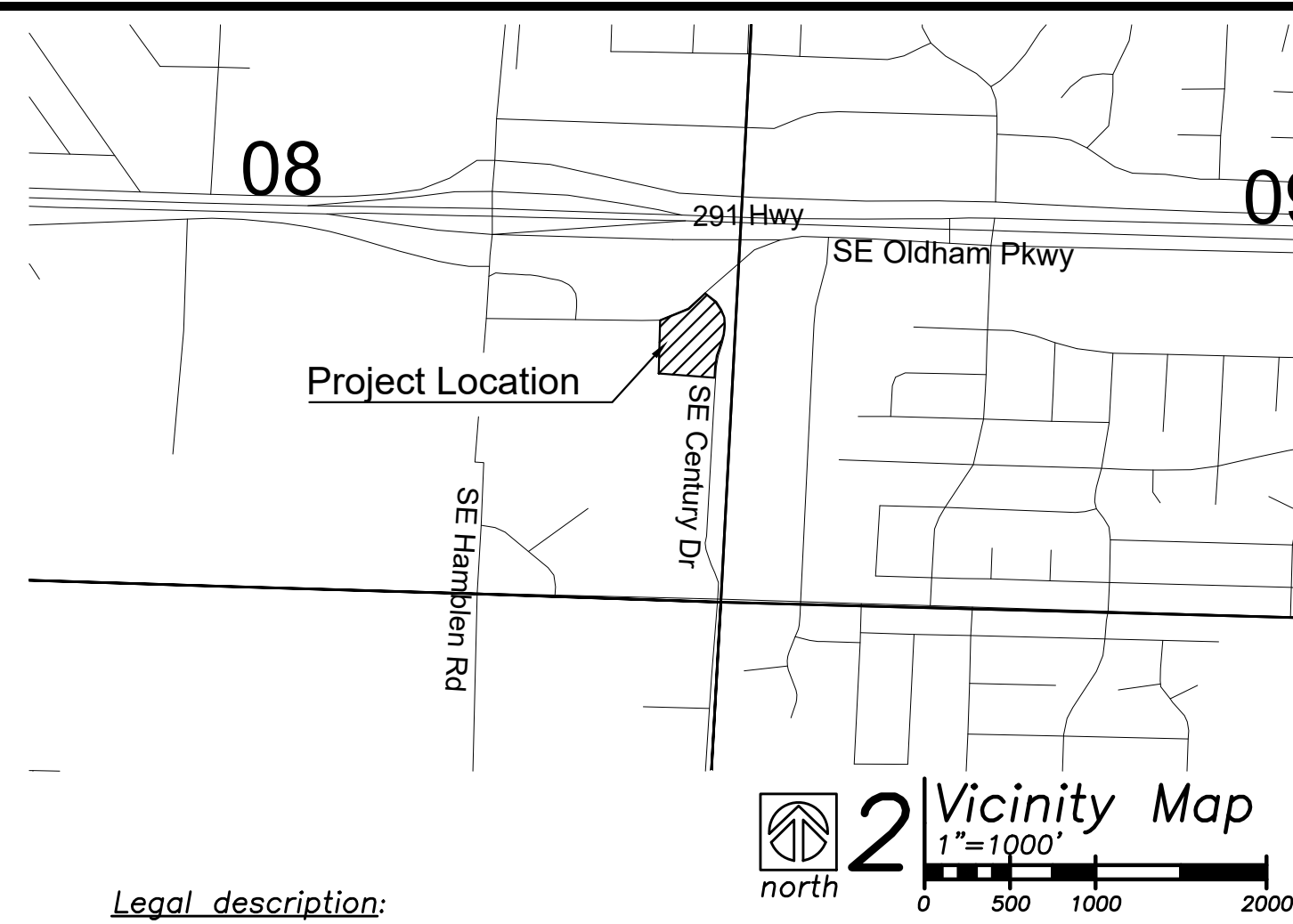
Section 8, Township 47 North, Range 31 West  
City of Lee's Summit, Jackson County, Missouri

## Sheet Index

- C1.1 - Site & Utility Plan
- C2.1 - Grading & Erosion Control Plan
- C3.1 - Drainage Area Map

## Civil Engineer:

Davidson Architecture & Engineering, LLC  
Mr. Paul A. Miller, P.E.  
4301 Indian Creek Pkwy.  
Overland Park, KS 66207  
Phone: (913) 451-9390  
Email: Paul@davidsonae.com



## Legal description:

LOT 12, EASTSIDE BUSINESS PARK, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT THEREOF.

## Local Benchmarks:

- BM-1:** (Chiseled box on the southeast corner of a 6'x4' curb inlet. First inlet south of intersection of SE Oldham Parkway and SE Century Drive. On the east side of SE Century Drive.)  
Elevation: 1011.71'  
N: 995663.268  
E: 2828905.632
- BM-2:** (Chiseled box in the center line on the east side of a 7'x5' curb inlet north side of the furthest east island in the Home Depot parking lot.)  
Elevation: 1025.66'  
N: 995397.712  
E: 2828534.125

## Floodplain Note:

ACCORDING TO "FLOOD INSURANCE RATE MAP" COMMUNITY PANEL NO. 29095C0438G, MAP REVISED JANUARY 20, 2017, AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, THIS PROPERTY LIES WITHIN FLOOD ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

## Total Land Area

82,944 square feet = 1.90 Ac.

## Utility Contacts

- Sanitary sewers - City of Lee's Summit, phone (816) 969-1900
- Water - City of Lee's Summit, phone (816) 969-1900
- Electric - KCP&L, phone (888) 471-5275
- Gas - Spire, phone (816) 969-2266
- Telephone - At&T, phone (800) 464-7928
- Cable - Time Warner, phone (816) 358-8833
- Storm sewer - City of Lee's Summit, phone (816) 969-1800
- \*\*\*call before you dig - one call system (800) 344-7483

## Utility Notes

- Boundary information, existing utilities and topographic features shown are based on information supplied by owner, surveyor, and others.
- The existing utility locations shown on these plans are approximate and may not include all utility lines present. The contractor shall be responsible to make One Call and coordinate field location of all existing underground utilities prior to beginning excavation/construction activities.
- The contractor shall be responsible for any damage to any utilities or their structures during excavation/construction activities.
- The contractor shall coordinate and be responsible for connection fees, system development fees, taxes, etc. for all main connections and/or extensions with and from the city and/or respective utility unless otherwise coordinated with the Owner. All utility services for this project shall be coordinated with respective utility company by contractor.
- The contractor shall be responsible for adjusting all at-grade utilities such as manhole covers, valve box covers, etc. to finish grade, whether specifically indicated in these plans or not.
- Utilities shown on the plan with specific elevations and/or structure locations are SUE quality level "B", ie: storm sewer, sanitary sewer, water hydrants & valves, utility poles, etc. All other existing utility information shown is SUE quality level "D", primarily retracement of one-call and city records.



## Construction Notes

1. Proposed fire department connection.
2. Proposed gas service line. Coordinate with utility. Contractor to field verify tie in location.
3. Coordinate primary electric with utility, install conduit and concrete transformer pad per KCPL standard.
4. Proposed secondary electric to building as shown.
5. Proposed Telephone/cable/data service lines. Coordinate installation and service with utilities/providers.
6. Proposed 4" PVC SDR-26 sanitary service line.
7. Proposed 2" type "K" water service line and water meter.
8. Proposed 6" C900 PVC fire service line and backflow preventer vault.
9. Limestone boulder retaining wall. Design by others.
10. Construct standard asphalt pavement, typ.
11. Construct heavy duty asphalt pavement, typ.
12. Construct standard concrete pavement, typ.
13. Construct standard concrete sidewalk, typ.
14. Construct type 'CG-1' curb & gutter where indicated.
15. Construct type 'CG-1 dry' curb & gutter where indicated.
16. Trash enclosure. Re: Arch Plans.
17. Construct ADA Sidewalk Ramp.
18. Parking, crosswalk, hatching, accessible aisles, and universal symbol to be painted white with 4" stroke as applicable, typ.
19. Construct concrete commercial entrance.

According to the MDNR Record Database and Field Survey, there is no evidence suggesting presence of any active, inactive or capped oil and/or gas wells on the property

## Symbols

- sanitary manhole
- service cleanout
- force main release valve
- rectangular structure
- circular structure
- fire hydrant
- water valve
- water meter
- backflow preventer
- natural gas meter
- service transformer (pad mount)
- primary switch gear
- light pole
- cable/phone/data junction box
- street light
- pedestrian street light
- electric pole
- guy wire
- end section

## Utility Legend

- existing
- proposed
- sanitary main
- sanitary sewer (existing)
- storm sewer (solid wall, proposed)
- storm sewer (solid wall, proposed)
- storm sewer (perforated, proposed)
- water main
- water service (fire)
- water service (domestic)
- water service (irrigation)
- natural gas main
- natural gas service schematic
- underground primary electric
- underground secondary electric
- underground cable/phone/data
- underground cable/phone/data service

## Linetypes

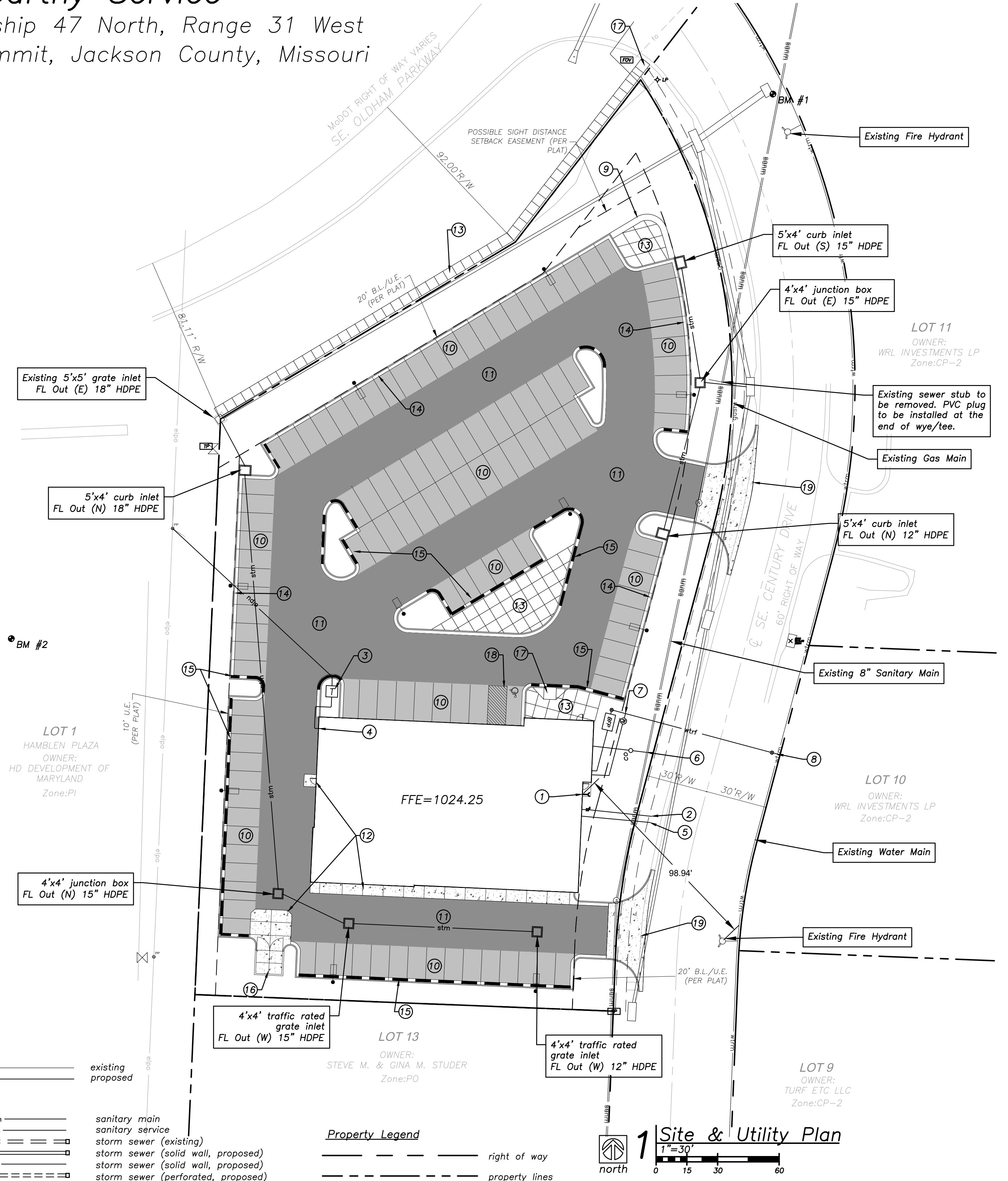
- sanitary main
- sanitary sewer (existing)
- storm sewer (solid wall, proposed)
- storm sewer (solid wall, proposed)
- storm sewer (perforated, proposed)
- water main
- water service (fire)
- water service (domestic)
- water service (irrigation)
- natural gas main
- natural gas service schematic
- underground primary electric
- underground secondary electric
- underground cable/phone/data
- underground cable/phone/data service

## Property Legend

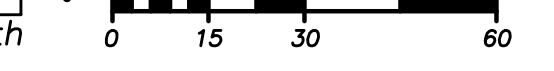
- right of way
- property lines
- easements
- setbacks
- existing minor contour
- existing major contour
- proposed minor contour
- proposed major contour

## Grading Legend

- existing minor contour
- existing major contour
- proposed minor contour
- proposed major contour



**1 Site & Utility Plan**  
1"=30'



## Construction Legend

- concrete pavement
- standard asphalt
- heavy duty asphalt
- concrete sidewalk
- standard curb & gutter
- standard dry curb & gutter

a preliminary development plan for  
**McCarthy Service**  
1000 SE Century Drive  
Lee's Summit, Missouri

date 04.03.2018  
drawn by ANN  
checked by DAE  
revisions

sheet number  
**C1.1**  
drawing type preliminary  
project number 18014