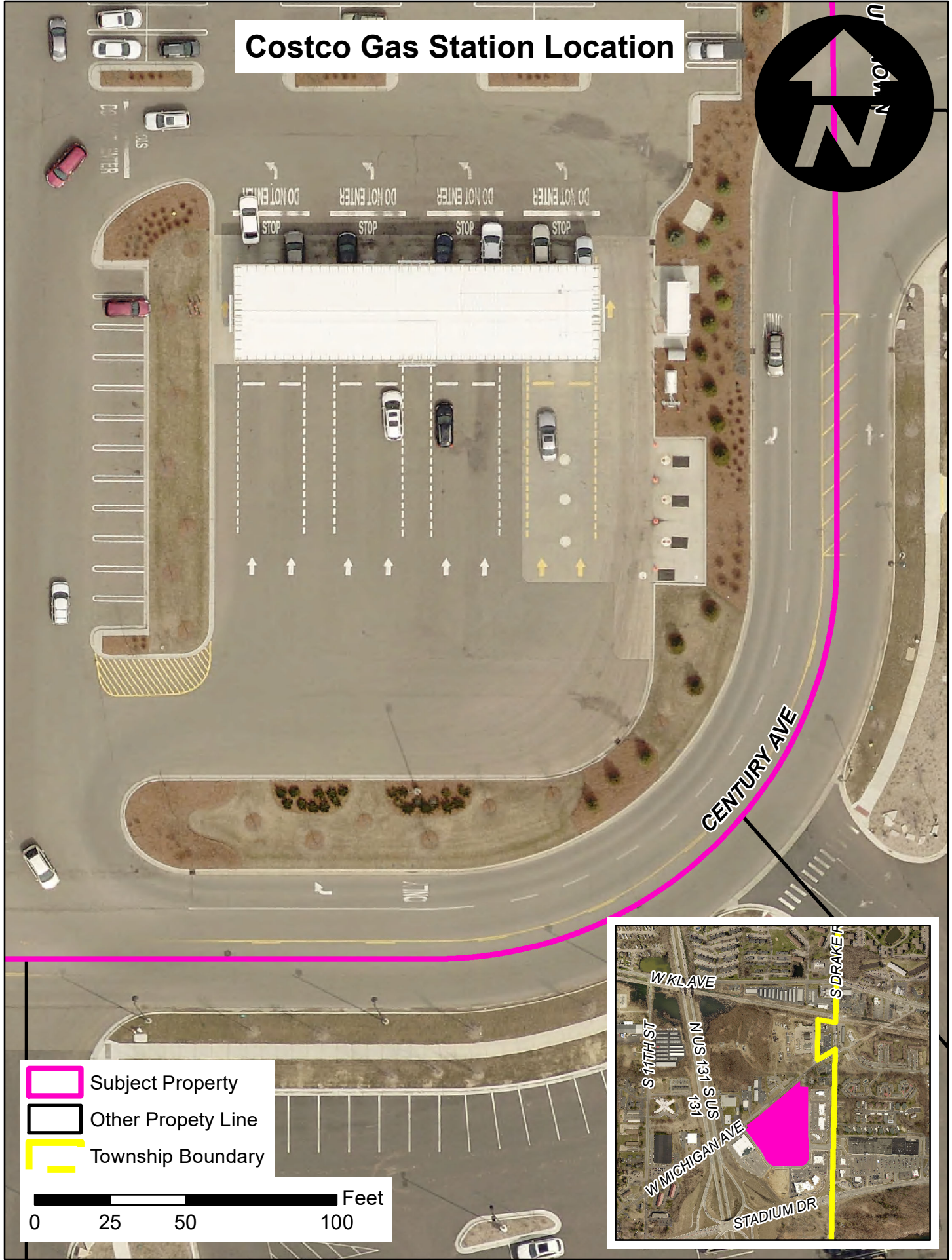



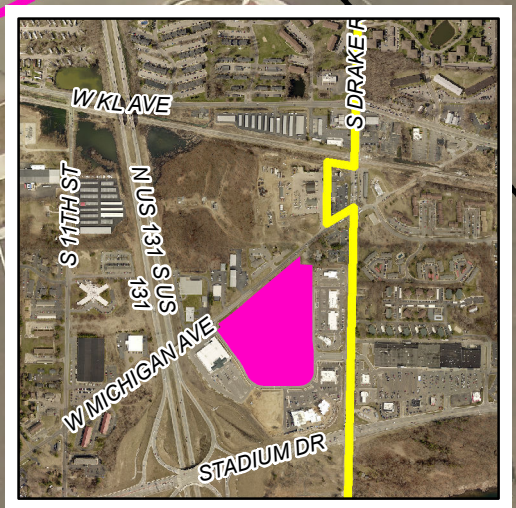
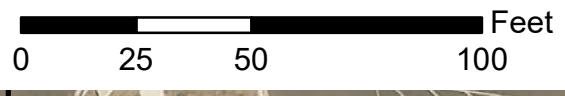
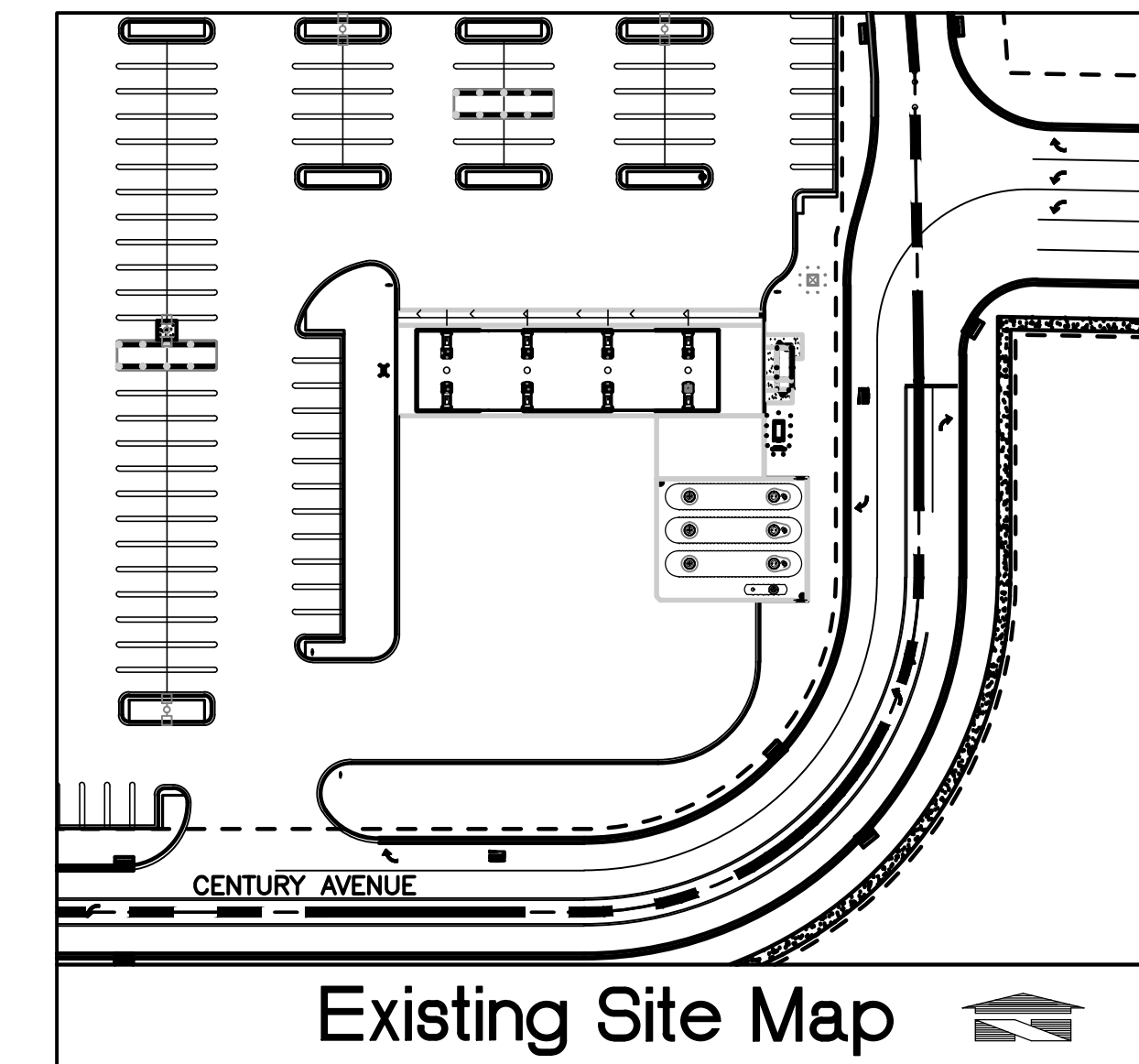
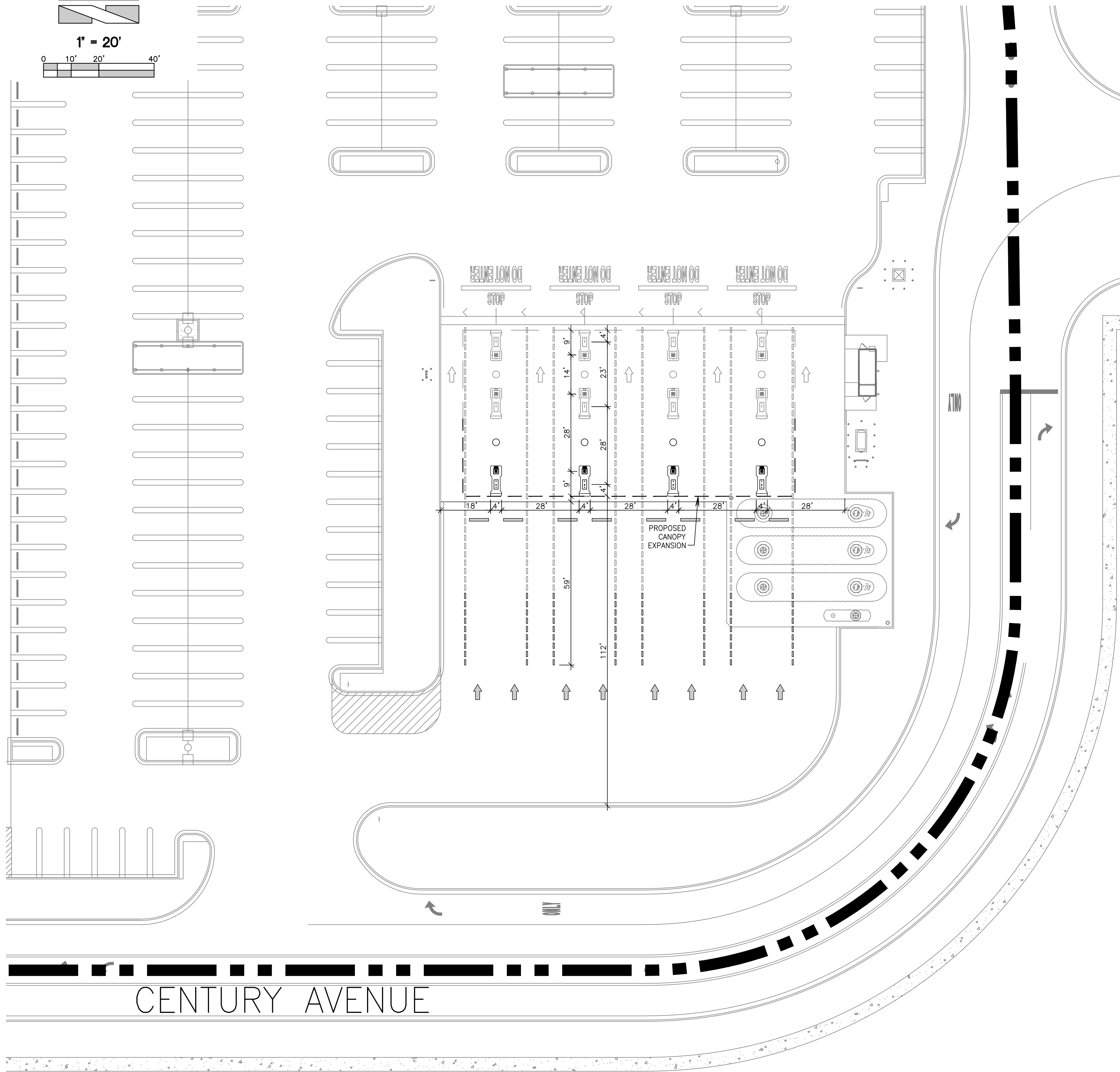
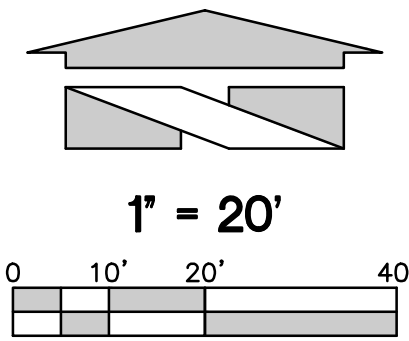


# Costco Gas Station Location



-  Subject Property
-  Other Propety Line
-  Township Boundary





### PROJECT DATA

**CLIENT** COSTCO WHOLESALE  
 999 LAKE DRIVE  
 ISSAQUAH, WA 98267

**PROJECT ADDRESS** 999 CENTURY AVENUE  
 KALAMAZOO, MI 49006

**PROPERTY** COMMERCIAL

**SITE AREA** 1.00 ACRES (330,000 S.F.)

**JURISDICTION** OSHTEMO TO SHISHI

**BOUNDARIES** THIS PROJECT HAS BEEN PREPARED USING A SITE AREA INFORMATION FROM MULTIPLE ARCHITECTURE DATED 3/17/14.

**SCOPE OF WORK** THE PROJECT INCLUDES A 3,341-SQUARE-FOOT EXPANSION OF THE EXISTING CANOPY (7,166 SQUARE FEET TOTAL), THE INSTALLATION OF FOUR (4) NEW MULTI-PRODUCT DISPENSERS (MPDS), AND ASSOCIATED SITE IMPROVEMENTS.

**LEGAL DESCRIPTION** SEC 25-2-12 COMM NE COR TH S 01DEG-08'-26" W ALG E LI 159.18 FT TH S 89DEG-52'-50" W 50.01 FT TO WLY ROW LI CHD S 02DEG-10'-35" E 6.46 FT TH S 04DEG-21'-11" E 86.90 FT TH S ELY 4.18 FT ALG CURVE RT (RAD 55.00 FT & CHD S 02DEG-10'-35" E 4.18 FT) TH S 10.04 FT TH S 00DEG-47'-42" E 108.12 FT TH S 78.92 FT TH SWLY 208.92 FT ALG CURVE RT (RAD 133.00 FT & CHD S 45DEG W 188.09 FT) TH W 324.90 FT TH NWLY 212.22 FT ALG CURVE RT (RAD 180.00 FT & CHD N 56DEG-13'-26" W 200.14 FT) TH NELY 179.95 FT ALG CURVE LT (RAD 722.50 FT & CHD N 29DEG-34'-59" W 179.49 FT) TH N 36DEG-43'-05" W 312.33 FT TH N 53DEG-11'-51" E 49.93 FT TH N 37DEG-58'-27" W 38.26 FT TO SLY ROW LI MICHIGAN AVE TH NELY THEREON 308.78 FT ALG CURVE LT (RAD 4375.00 FT & CHD N 51DEG-55'-02" E 308.71 FT) TH N 49DEG-53'-43" E ALG SD ROW 675.29 FT TH S 1DEG-08'-26" W 76.83 FT TH N 89DEG-52'-50" E 116.69 FT TO BEG\*\*

<b>UI/DI DATA</b>	
UI/DI AREA	1333 S.F.
CANOPY ENCLOSURE	333 S.F.
NUMBER OF ROOMS REQUIRED	3 S.F.
<b>TOTAL UI/DI</b>	<b>1333 S.F.</b>

<b>EXISTING PARKING DATA</b>	
EXISTING PARKING PROVIDED	00 STACS
1 IDE STACS	10 STACS
ACCESSIBLE STACS	00 STACS
<b>TOTAL EXISTING PARKING</b>	<b>00 STACS</b>
PROPOSED PARKING DATA	
PROPOSED PARKING PROVIDED	00 STACS
1 IDE STACS	10 STACS
ACCESSIBLE STACS	00 STACS
<b>TOTAL PROPOSED PARKING</b>	<b>00 STACS</b>
PROPOSED PARKING AREA	00 STACS

<b>PROPOSED PARKING DATA</b>	
PROPOSED PARKING PROVIDED	00 STACS
1 IDE STACS	10 STACS
ACCESSIBLE STACS	00 STACS
<b>TOTAL PROPOSED PARKING</b>	<b>00 STACS</b>
PROPOSED PARKING AREA	00 STACS

**NOTES**  
 EXISTING CONDITIONS TO BE FIELD VERIFIED.

- NOTES**
- THIS PRELIMINARY SITE PLAN IS BASED ON A SITE PLAN BY MULVANNY G2 ARCHITECTURE DATED, 3/17/14. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY.
  - THE BUILDING SQUARE FOOTAGE AND PARKING SHOWN ON THIS PLAN IS BASED ON INFORMATION PROVIDED BY THE OWNER AND/OR OTHERS AND HAS NOT BEEN VERIFIED.

Revision  
 No. Date By Cld. Appr.  
 Title:  
**OVERALL SITE PLAN**  
 5050 CENTURY AVENUE  
 KALAMAZOO, MI 49006  
 LOCATION #191

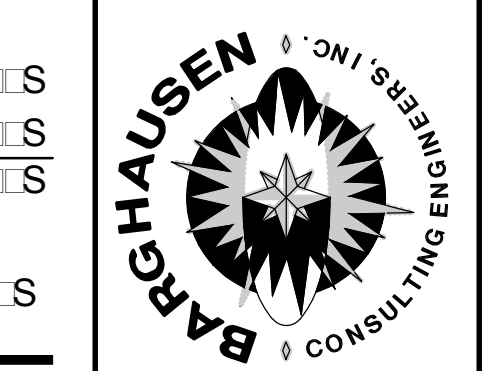
**For: COSTCO GASOLINE**  
 COSTCO WHOLESALE  
 999 LAKE DRIVE  
 ISSAQUAH, WA

Scale:  
 Horizontal 1"=60'  
 Vertical N/A

Designed: JAS  
 Drawn: JAS  
 Checked: MB  
 Approved: CSE  
 Date: 2/21/19

18215 72ND AVENUE SOUTH  
 KENT, WA 98032  
 (425)251-6222  
 (425)251-8782 FAX

CIVIL ENGINEERING, LAND PLANNING,  
 SURVEYING, ENVIRONMENTAL SERVICES

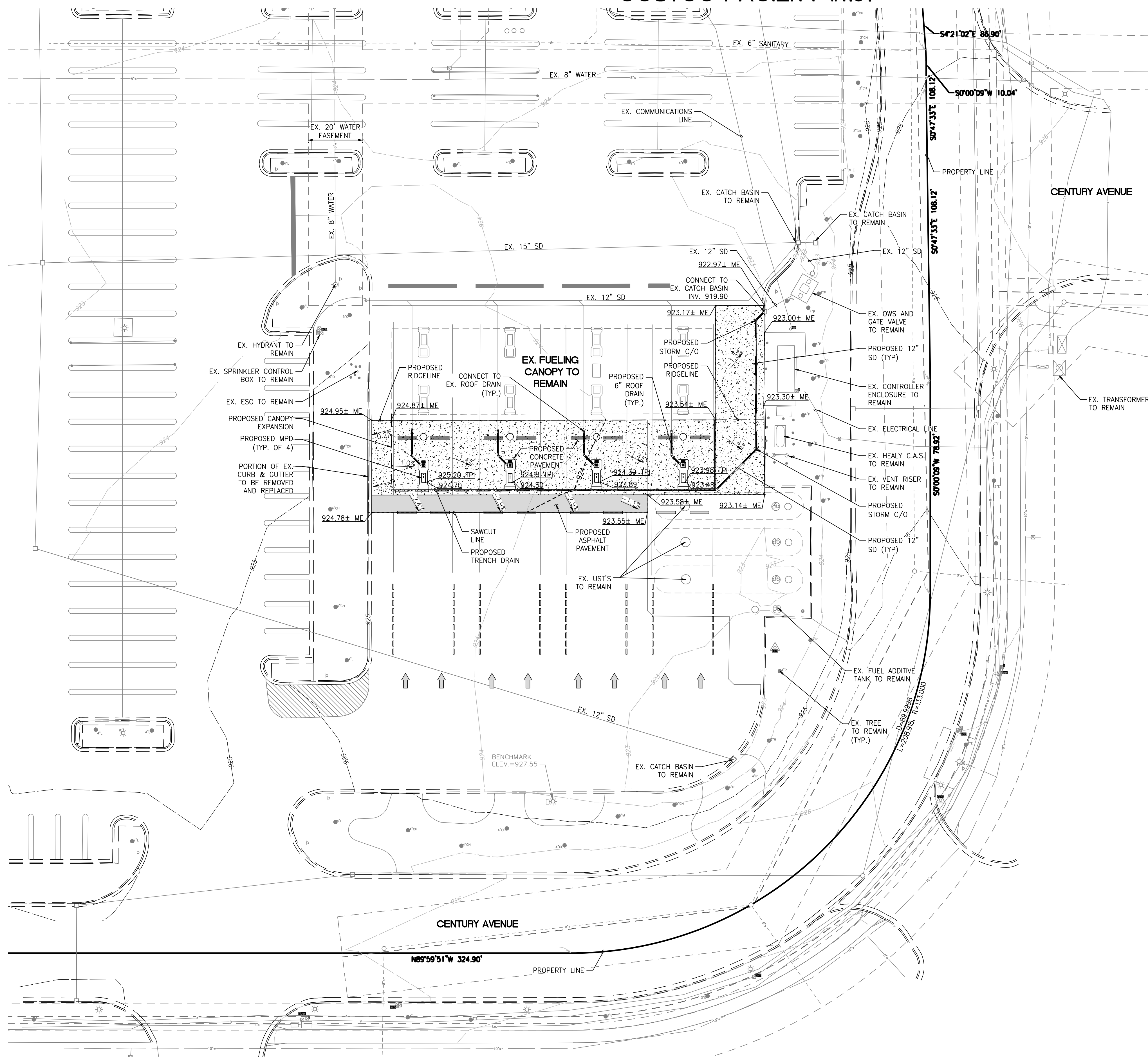
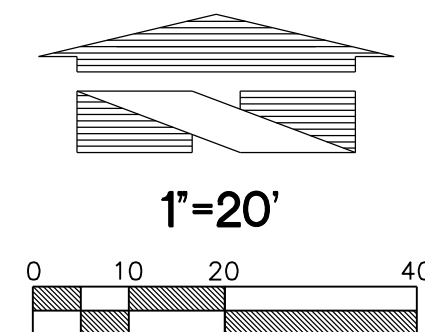


Job Number  
**16817**  
 Sheet  
**2** of **2**

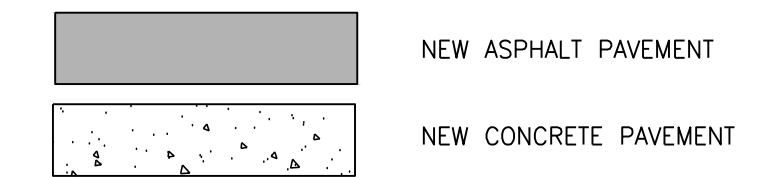


# CONCEPTUAL GRADING AND UTILITY EXHIBIT

COSTCO WHOLESALE FUEL FACILITY EXPANSION  
5050 CENTURY AVENUE, KALAMAZOO, MI 49006  
COSTCO FACILITY #1191



## LEGEND



### NOTE:

EXISTING UNDISTURBED ASPHALT PAVING AREAS IN THE VICINITY OF THE FUELING FACILITY ARE TO BE SLURRY SEALED AND RE-STRIPED.

### CANOPY COVERAGE AREA:

EXISTING: 3,800 SF  
PROPOSED: 3,411 SF  
TOTAL AREA = 7,211 SF

### DISTURBED AREA SUMMARY:

TOTAL AREA = 5,512 SF  
IMPERVIOUS = 5,512 SF  
PERVIOUS = 0 SF

Revision  
No. Date By Cld. Appr.  
Title:  
GRADING AND DRAINAGE EXHIBIT  
5050 CENTURY AVENUE  
KALAMAZOO, MI 49006  
COSTCO FUEL FACILITY #1191

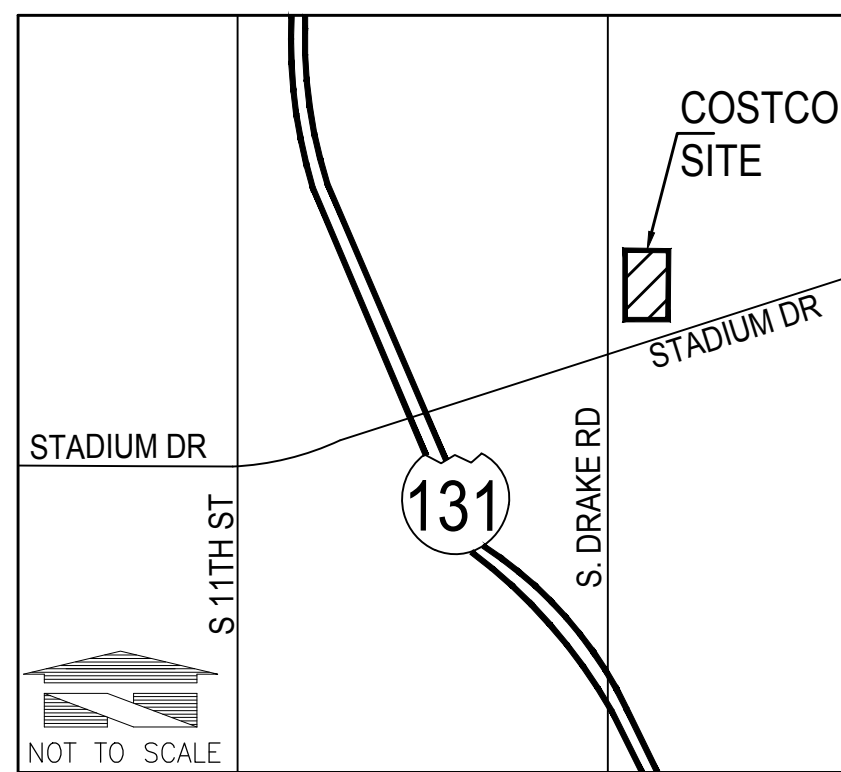
For:  
**COSTCO GASOLINE**  
COSTCO WHOLESALE  
999 LAKE DRIVE  
ISSAQUAH, WA 98027

Scale:  
Horizontal 1" = 20'  
Vertical  
Designed: HD  
Drawn: HD  
Checked: MP  
Approved: CBL  
Date: 9/12/18  
Scale: 0.386663  
HDMWSON Xref: -----

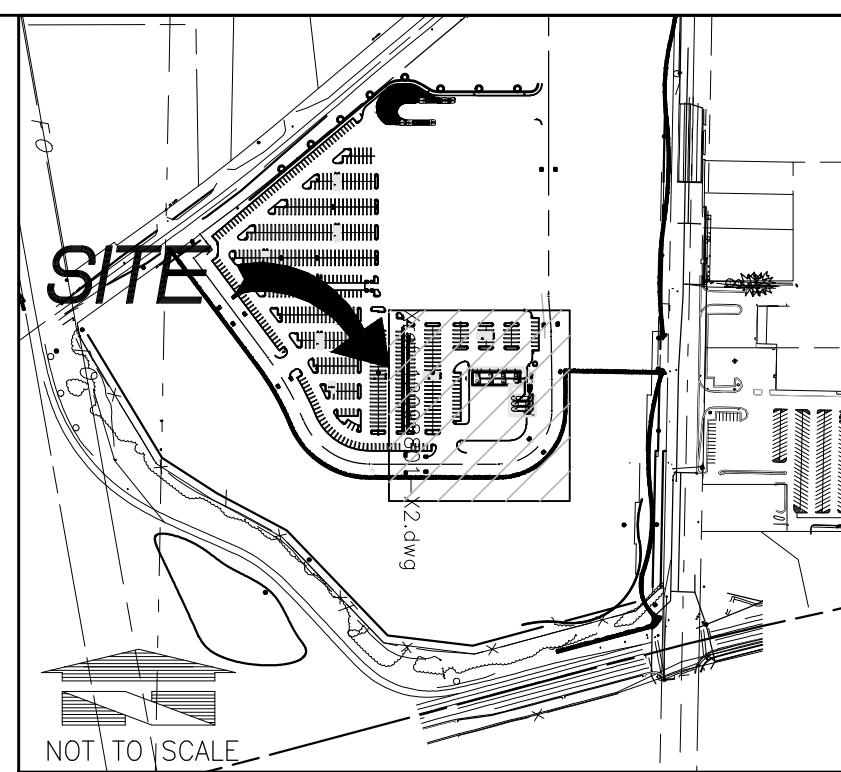
18215 72ND AVENUE SOUTH  
KENT, WA 98032  
(425)251-6222  
(425)251-8762 FAX  
CIVIL ENGINEERING, LAND PLANNING,  
SURVEYING, ENVIRONMENTAL SERVICES



Job Number  
**16817**  
Sheet  
**1** of **1**



VICINITY MAP

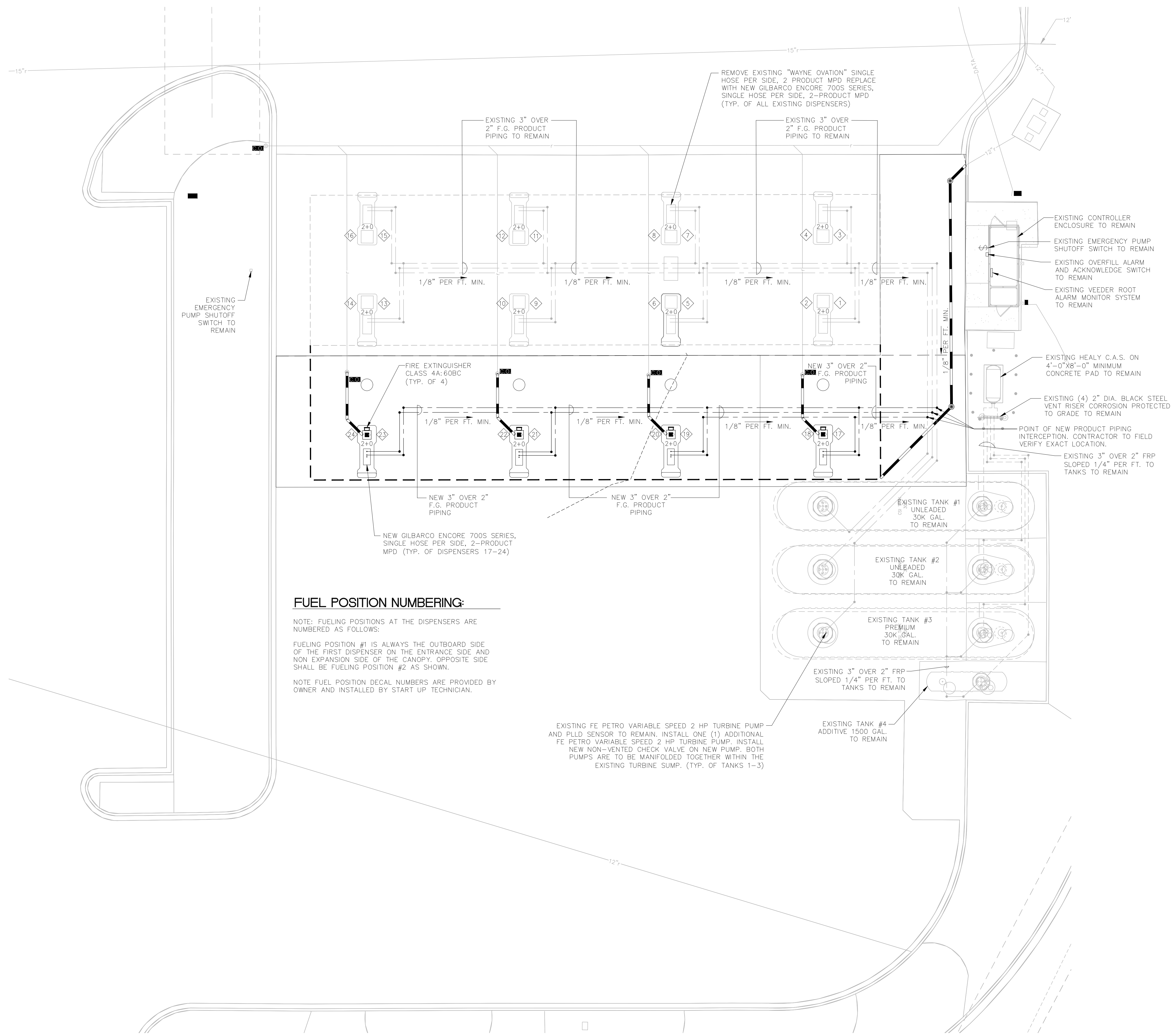


LOCATOR MAP

**CAUTION:**  
POTENTIAL UTILITY CONFLICT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND NEW UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY CONFLICT NOTE THE EXISTING WATER, STORM, AND SANITARY SEWER SERVICE SHOWN IS APPROXIMATE, BASED ON FIELD SURVEYS AND "AS-BUILT" RECORDS. THE GENERAL CONTRACTOR SHALL "POTHOLE" THE EXISTING UTILITIES TO VERIFY THE DIAMETER AND LOCATION (INCL. ELEVATIONS) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF THE EXISTING PIPE OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE.

**UTILITY CONFLICT NOTE:**

**CAUTION:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POT HOLEING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1 (800) 482-7171 AND THEN POT HOLEING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE OWNERS ENGINEERS TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.



**GENERAL NOTES**

- G — EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELEPHONE, SEWER)
- — — EXISTING 3" OVER 2" DOUBLE WALL FIBERGLASS PRODUCT PIPING (N.O.V.)
- — — EXISTING 3" OVER 2" DOUBLE WALL FIBERGLASS VENT PIPING (N.O.V.)
- — — NEW 3" OVER 2" DOUBLE WALL FIBERGLASS PRODUCT PIPING (N.O.V.)
- Ⓧ INDICATES DISPENSER NUMBERING AND POSITION

**NOTE:**  
CONTRACTOR ASSUMES RESPONSIBILITY TO ASSURE THAT THE OPERABLE SYSTEM MEETS THE DESIGN INTENT AND THE CONTRACTOR IS PERMITTED TO ADJUST SIZES AND CUTS BASED ON ACTUAL FIELD CONDITIONS AND INSTALLATION TECHNIQUES.  
PRODUCT, VAPOR AND VENT PIPING IS TO SLOPE TOWARD TANK 1/8" PER FOOT MINIMUM, 1/4" PER FOOT PREFERRED.  
SECONDARY CONTAINMENT PIPING IS SHOWN BY NOTE ONLY, NOT GRAPHICALLY. ALL PRODUCT AND VENT PIPING TO BE DOUBLE CONTAINMENT FIBERGLASS PIPE. FOR QUESTIONS REGARDING FG BONDER CERTIFICATION AND/OR PIPING METHODS AND STANDARDS, PLEASE CONTACT SCOTT WILSON AT (425) 463-3530.

**FUEL POSITION NUMBERING:**

**NOTE:** FUELING POSITIONS AT THE DISPENSERS ARE NUMBERED AS FOLLOWS:  
FUELING POSITION #1 IS ALWAYS THE OUTBOARD SIDE OF THE FIRST DISPENSER ON THE ENTRANCE SIDE AND NON EXPANSION SIDE OF THE CANOPY. OPPOSITE SIDE SHALL BE FUELING POSITION #2 AS SHOWN.  
**NOTE:** FUEL POSITION DECAL NUMBERS ARE PROVIDED BY OWNER AND INSTALLED BY START UP TECHNICIAN.

EXISTING FE PETRO VARIABLE SPEED 2 HP TURBINE PUMP AND PLLD SENSOR TO REMAIN. INSTALL ONE (1) ADDITIONAL FE PETRO VARIABLE SPEED 2 HP TURBINE PUMP. INSTALL NEW NON-VENTED CHECK VALVE ON NEW PUMP. BOTH PUMPS ARE TO BE MANFOLDED TOGETHER WITHIN THE EXISTING TURBINE SUMP. (TYP. OF TANKS 1-3)

No. \_\_\_\_\_ Date \_\_\_\_\_ By \_\_\_\_\_ Dct. \_\_\_\_\_ Appr. \_\_\_\_\_  
**Title:**  
**CONCEPTUAL TANK AND PIPING PLAN FOR SITE EXPANSION**  
 5050 CENTURY AVE.  
 OSHTEMO TOWNSHIP, MI 49006  
 COSTCO GASOLINE FACILITY #191

**For:**  
**Costco Gasoline**  
 COSTCO WHOLESALE  
 999 LAKE DRIVE  
 ISSAQUAH, WA 98027

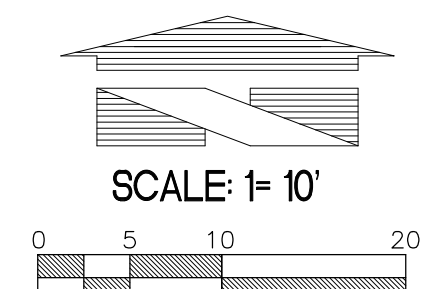
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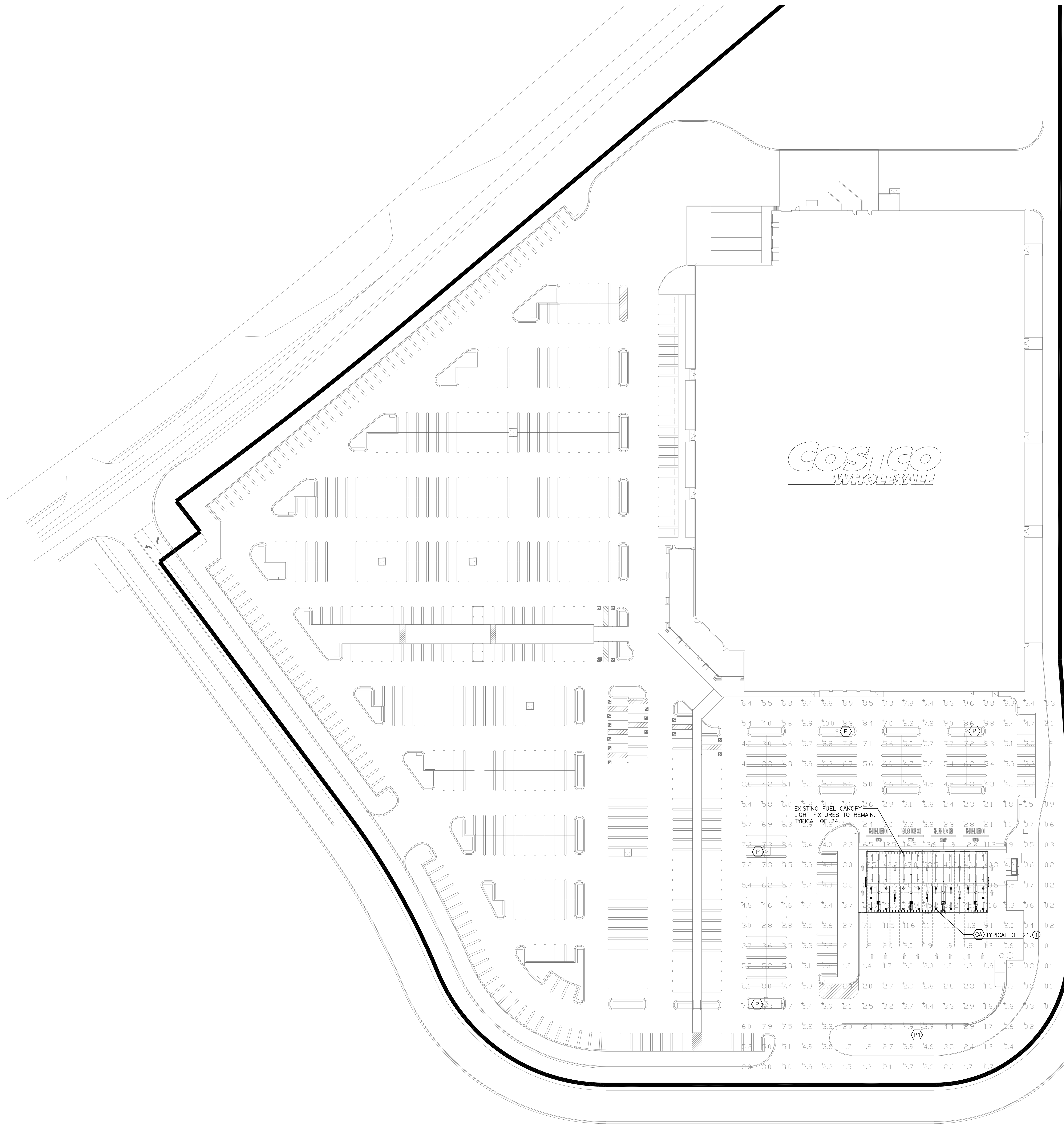
**NOT FOR CONSTRUCTION**

18215 72ND AVENUE SOUTH  
 KENT, WA 98032  
 (425) 251-6222  
 (425) 251-6782 FAX  
 CIVIL ENGINEERING, LAND PLANNING,  
 SURVEYING, ENVIRONMENTAL SERVICES

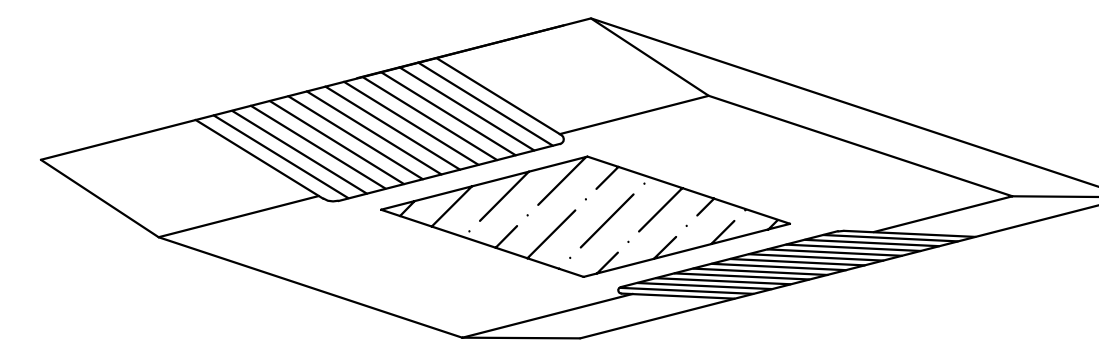
Job Number: **16817**  
 Sheet: **T-1**

**CONCEPTUAL TANK AND PIPING PLAN FOR SITE EXPANSION**





**SITE PLAN**  
SCALE: 1" = 40'-0"



**FUEL FACILITY -  
LED (GA)**  
NO SCALE

FIXTURE DESCRIPTION	
(GA)	NEW 120W LED, SURFACE FLAT LENS DOWN LIGHT, + 15' AFF
(P)	EXISTING 875W MH TYPE 5 POLE FIXTURE
(P1)	EXISTING 875W MH TYPE 3 POLE FIXTURE

**PLAN NOTE:**  
① E.C. TO PROVIDE NEW (21) FIXTURES AT EXPANDED FUEL FACILITY CANOPY.

SITE PHOTOMETRY PLAN, LIGHTING FIXTURE SCHEDULE, PLAN NOTE, AND DETAIL

PROJECT NO: 19-094  
NO PART OF THIS DOCUMENT MAY BE USED OR COPIED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF T.E. INC.

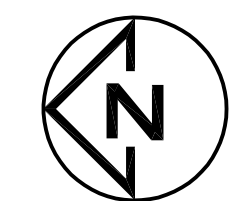
ARCHITECT REFERENCE NO: 12-0888-04

ISSUE DATE: FEBRUARY 2019

REVISION DATE

DRAWN: KAL

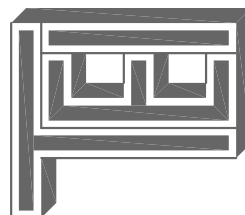
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SE - 1



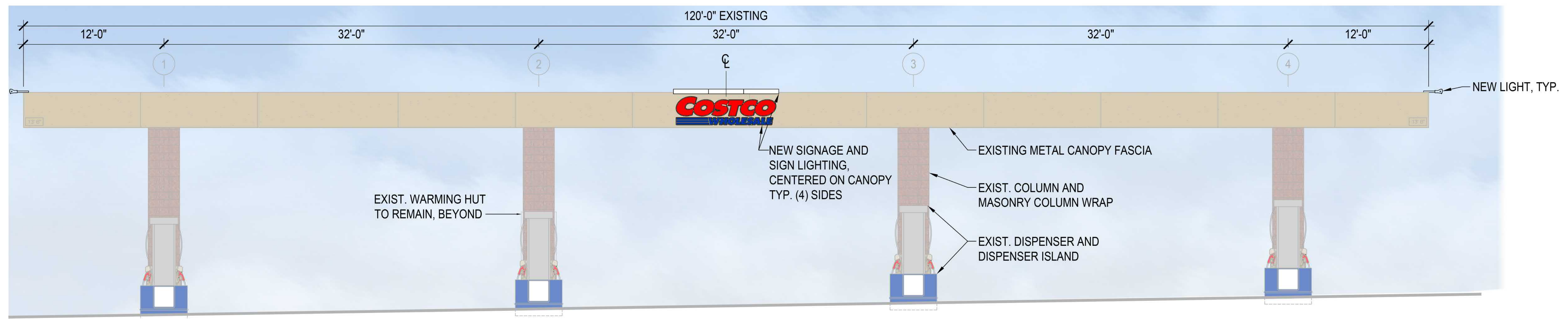
**FUEL EXPANSION  
WAREHOUSE #1191**  
NW CORNER OF SOUTH  
DRAKE ROAD & STADIUM DRIVE  
OSHTEMO TOWNSHIP, MI



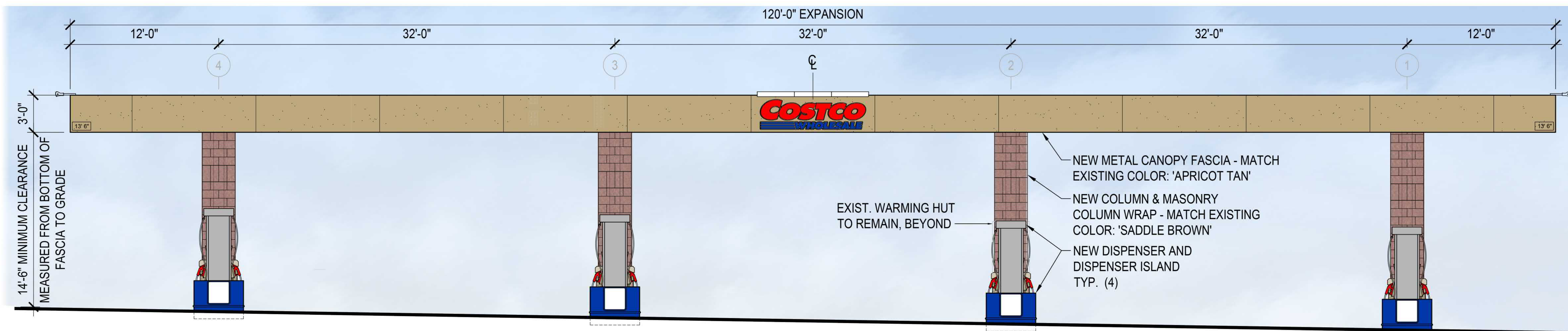
**T.E., Inc.**

830 N. RIVERSIDE DRIVE  
SUITE #200 48057  
TROY, MI 48067  
PHONE: 425-970-3753  
FAX: 425-970-3756

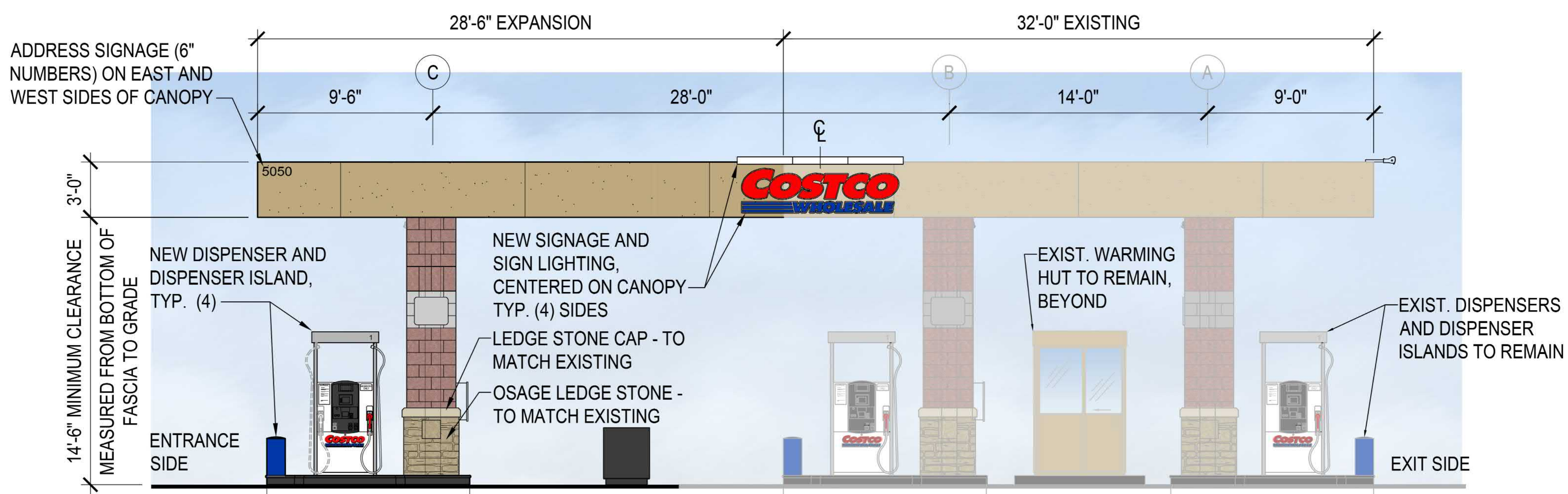




**1 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"

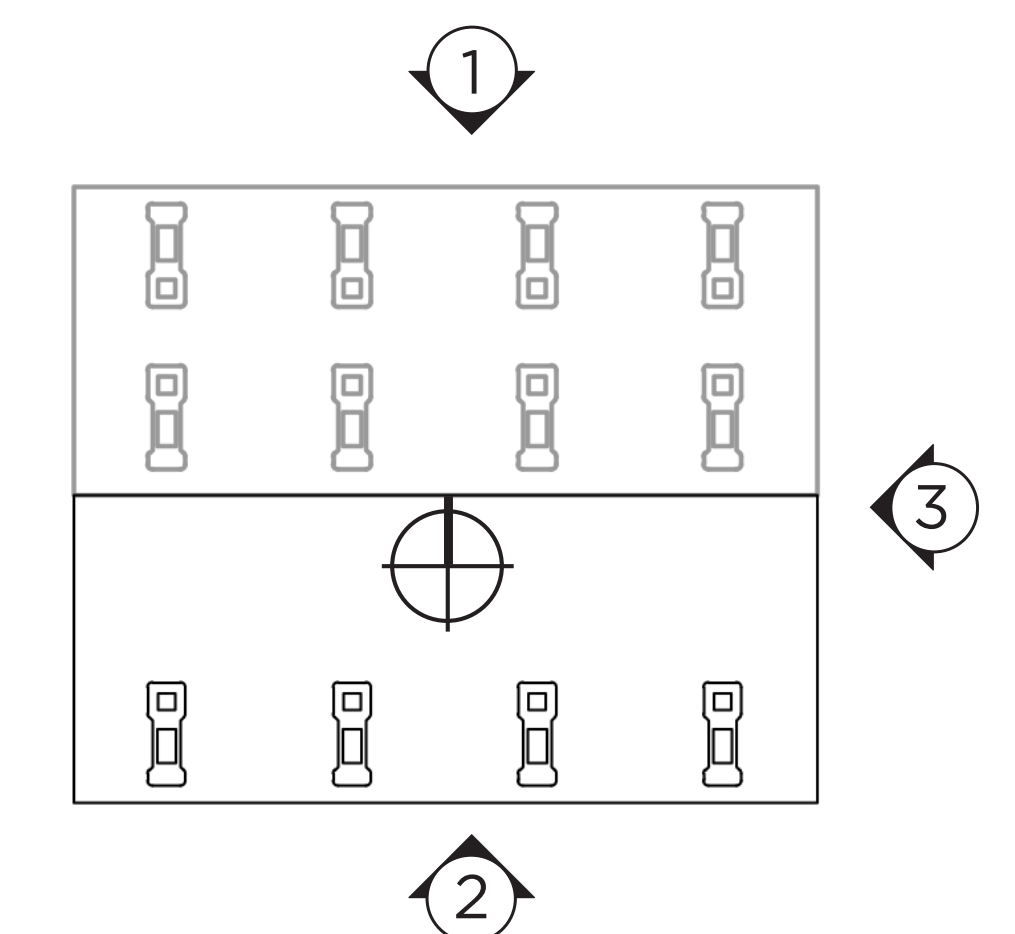


**2 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**3 EAST ELEVATION (WEST SIMILAR)**  
SCALE: 1/4" = 1'-0"

SIGNAGE AREA TABULATION (WALL SIGNS)				
QTY.	SIGN	SIZE	AREA (S.F.) EA.	TOTAL S.F.
4	COSTCO WHOLESALE	2'-5 1/4" x 8'-6 5/8"	20.85 S.F.	82.32 S.F.
			TOTAL SIGNAGE AREA	82.32 S.F.



**4 SIGNAGE**  
SCALE: 1/2" = 1'-0"