civil engineering
structural design
land surveying

Ok
Approved
11/03/17

DEPARTMENT OF PUBLIC WORKS

October 19, 2017
Job # 14-077

Request for a Modification to a Road Standard

Project Number:	PDS2015-STP-15-022	**Date of Request:**	October 19, 2017
Project Location:	Valley Center Road at Cole Grade Road, Valley Center, CA 92082		
Thos. Bros. Map/Grid:	1090/F-1	**APN:**	188-250-19
Requestor Name:	Gary Wynn, P.E.	**Telephone:**	760.749.8722
Address:	27315 Valley Center Road, Valley Center, CA 92082		

REQUESTED MODIFICATION

The request is to allow for new 40' driveway entries (34'+ 3' + 3' =40') for the proposed Rite Aid Store at both the Valley Center Road and Cole Grade Road future curb cuts. San Diego Regional Standard Drawing G-16 allows for a 30' maximum commercial driveway width with three foot flairs for a total maximum width of 36'.

REASON FOR REQUESTED MODIFICATION

The County of San Diego Zoning Ordinance (6792 b.3.) requires a 40' access aisle for this type of project. This aisle width has been provided within the site and extends to the driveways. As shown on the plan, the width of the drive aisle at the driveway is 40'. Therefore, the width of the drive aisle within the site and the maximum width of the driveway are both being met within the property.

In meetings with County staff, concerns were raised regarding the potential for large delivery trucks to access the site with a standard driveway. Truck turning templates were therefore overlaid on the driveways to evaluate the truck turning paths. The results of this analysis determined the following:

- A WB-65 truck cannot make the turn into or out of a standard driveway without jumping the curb.
- A WB-65 truck cannot make the turn into or out of the standard driveway without crossing over the center line of the roadway

Therefore, design of the driveway was modified from the standard 30' foot maximum width with tapers to a maximum 34' width plus tapers, (see attached site plan). This modified design therefore reduces the

27315 Valley Center Road – Valley Center, CA 92082 – (760) 749-8722 – Fax (760) 749-9412
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potential for the trucks to jump the curb and reduces the potential for trucks to cross over the centerline (see attached truck turning templates for proposed site design).

Pedestrian exposure across the driveway increases as the width of the driveway increases. However, it is our opinion that the potential issue of a truck crossing over the sidewalk due to the narrower driveway poses the same if not greater risk to the pedestrian at both driveway locations.

Also note, the county has requested a 10' dedication along Valley Center Road for future road widening. Sometime in the future, the county will most likely widen Valley Center Road and gain an additional 10' of roadway, at which point, there will be more room to turn into the site from Valley Center Road using a standard commercial driveway.

LIST ALTERNATIVES THAT COULD MITIGATE THE REQUESTED MODIFICATION

Both curb cuts for this future project are located in the best location for the site design. Potential alternatives:

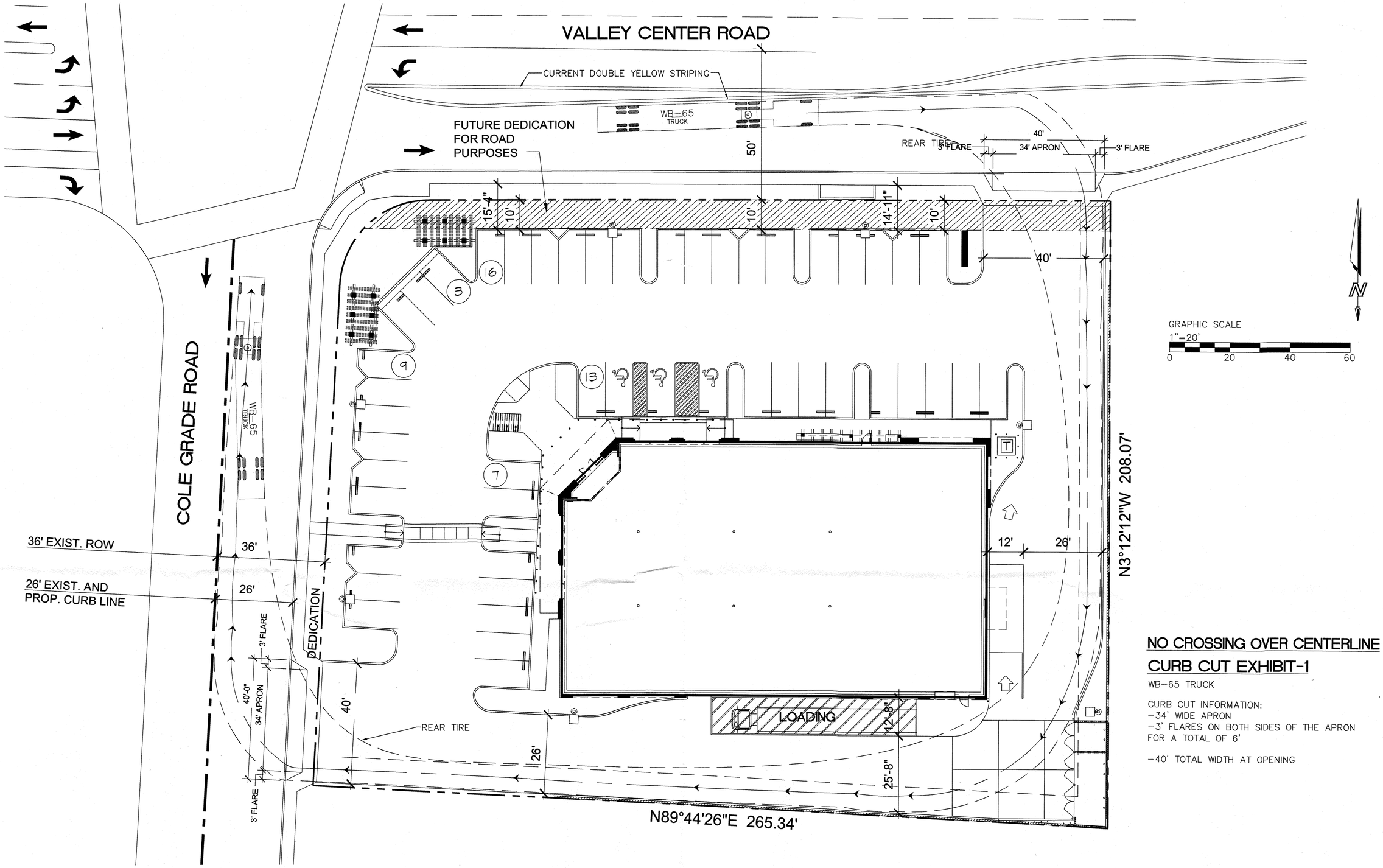
- Maintain the regional standard drawing and allow trucks to jump the curb or cross the centerline

The design engineer will work with County staff to resolve final design issues during the submittal of final engineering drawings.

REGISTERED PROFESSIONAL ENGINEER
GARY R. WYNN
No. C 43202
EXP. 3-31-18
CIVIL
STATE OF CALIFORNIA

10-19-17

Gary R. Wynn, P.E C 43202 Date:



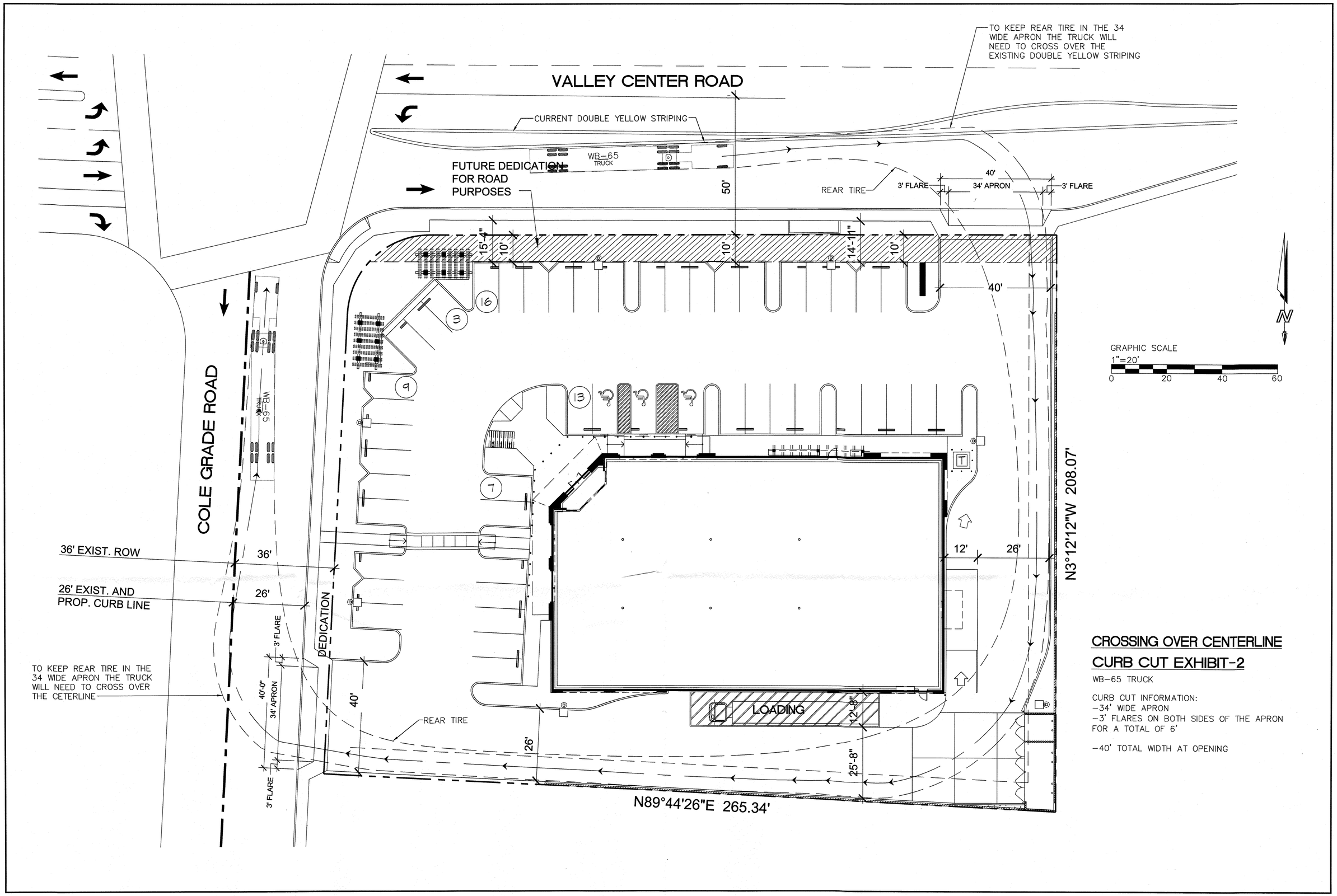
NO CROSSING OVER CENTERLINE
CURB CUT EXHIBIT-1

WB-65 TRUCK

CURB CUT INFORMATION:
-34' WIDE APRON
-3' FLARES ON BOTH SIDES OF THE APRON FOR A TOTAL OF 6'

-40' TOTAL WIDTH AT OPENING

WYNN ENGINEERING, INC.
JOB NO. 14-077
NAME: HALFERTY
DATE: 10-24-2017



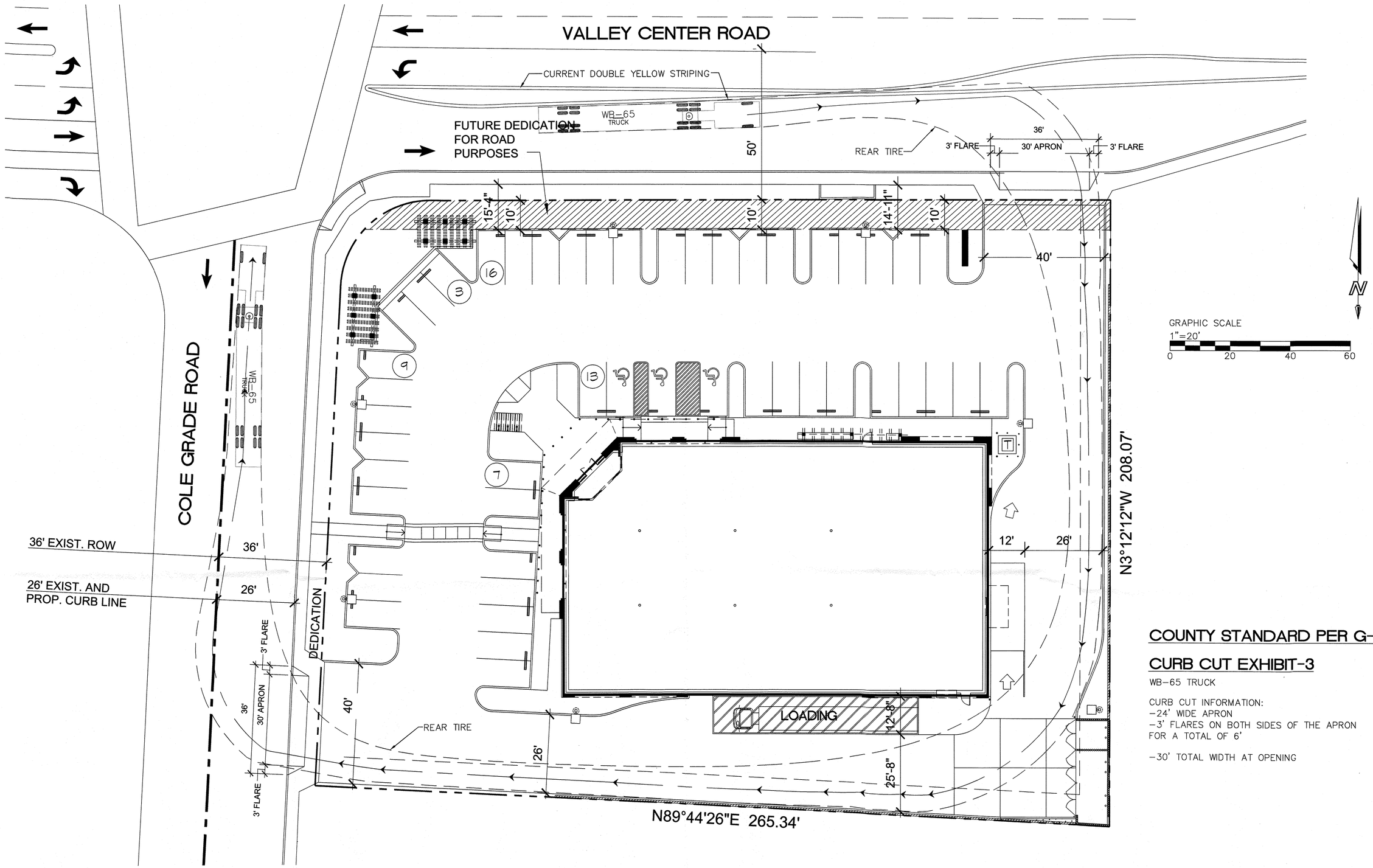
CROSSING OVER CENTERLINE CURB CUT EXHIBIT-2

WB-65 TRUCK

CURB CUT INFORMATION:
-34' WIDE APRON
-3' FLARES ON BOTH SIDES OF THE APRON FOR A TOTAL OF 6'

-40' TOTAL WIDTH AT OPENING

WYNN ENGINEERING, INC.
JOB NO. 14-077
NAME: HALFERTY
DATE: 10-24-2017



COUNTY STANDARD PER G-16

CURB CUT EXHIBIT-3

WB-65 TRUCK

CURB CUT INFORMATION:
-24' WIDE APRON
-3' FLARES ON BOTH SIDES OF THE APRON FOR A TOTAL OF 6'

-30' TOTAL WIDTH AT OPENING

WYNN ENGINEERING, INC.
JOB NO. 14-077
NAME: HALFERTY
DATE: 10-24-2017