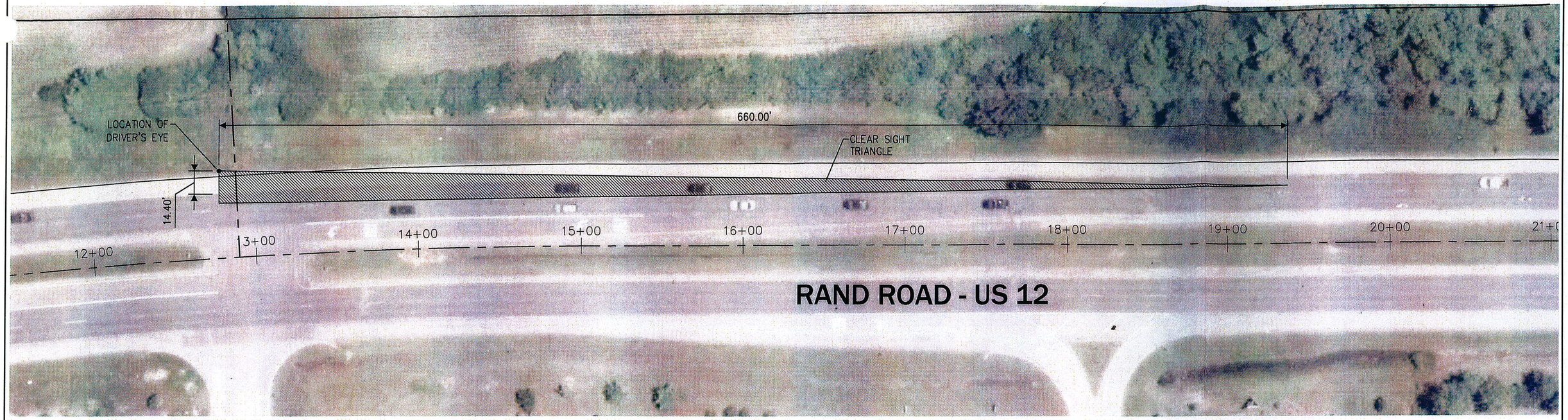
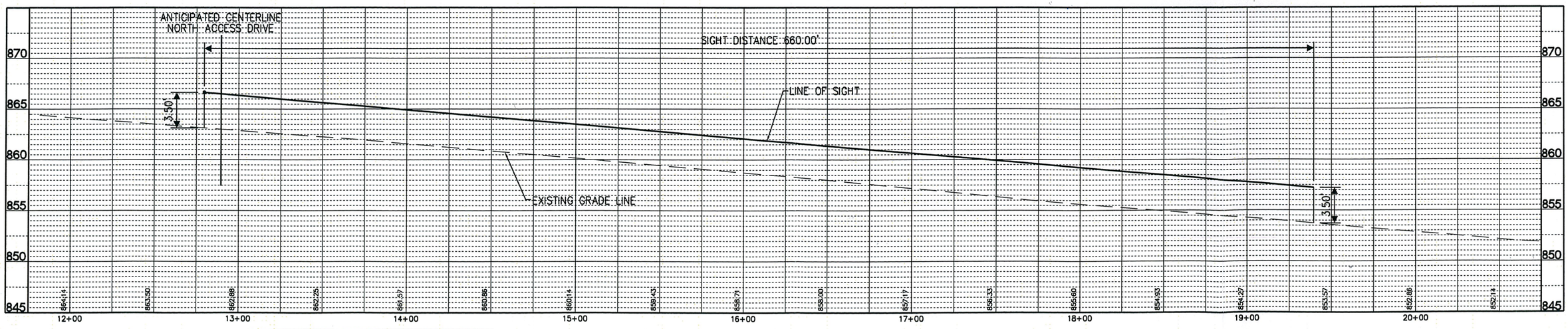
SUPPORTING DOCUMENT
SIGHT DISTANCE STUDY

Attached are sight distance analyses for the likely access locations for retail/office type uses in the GC District.



RAND ROAD - US 12
NORTH ACCESS DRIVE
SIGHT DISTANCE ANALYSIS

SCALE 1" = 60'



INTERSECTION SIGHT DISTANCE:

Vmajor = 60 mph (55 posted speed)
Tc = 7.5 sec

ISD = 1.467 x Vmajor x Tc
= 1.467 x 60 x 7.5
= 660 FEET

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www.marchris.net

RAND ROAD - US 12 NORTH ACCESS DRIVE SIGHT DISTANCE ANALYSIS	DESIGN: KML	DRAFTING: TDG
	SCALE: HORIZ. 1"=60' VERT. 1"=10'	DATE: 9-10-2010

JOB NO. 10-032

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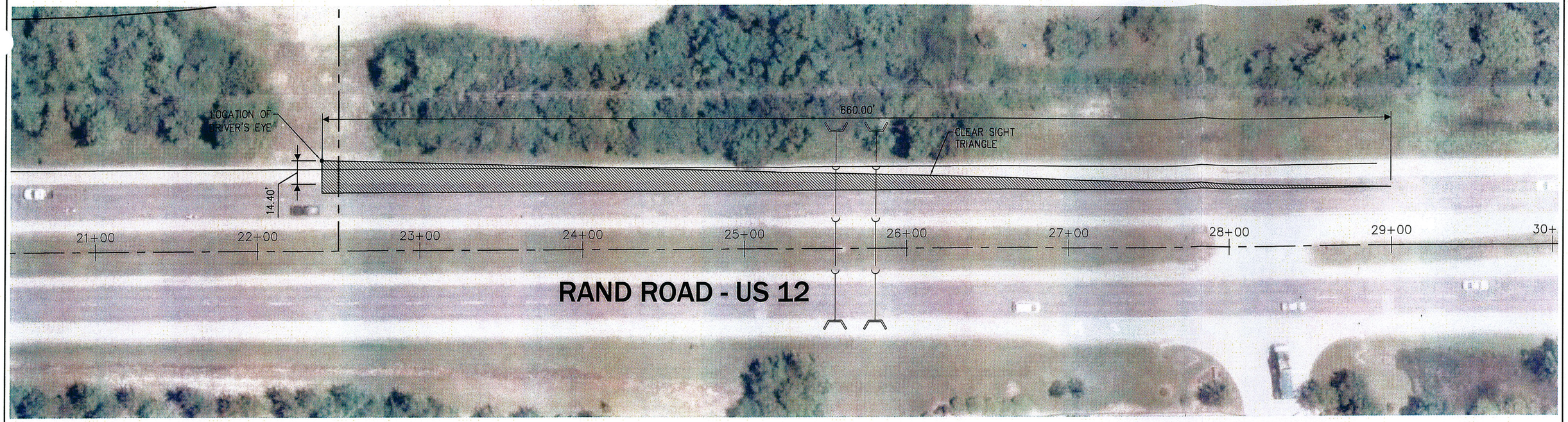
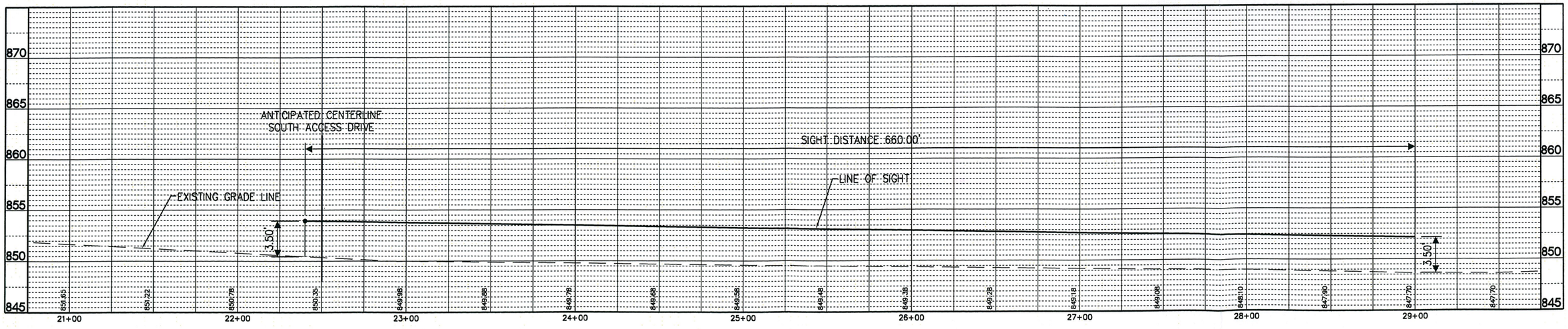


RAND ROAD - US 12
SOUTH ACCESS DRIVE
SIGHT DISTANCE ANALYSIS

SCALE 1" = 60'



INTERSECTION SIGHT DISTANCE:

Vmajor = 60 mph (55 posted speed)
Tc = 7.5 sec

ISD = 1.467 x Vmajor x Tc
= 1.467 x 60 x 7.5
= 660 FEET

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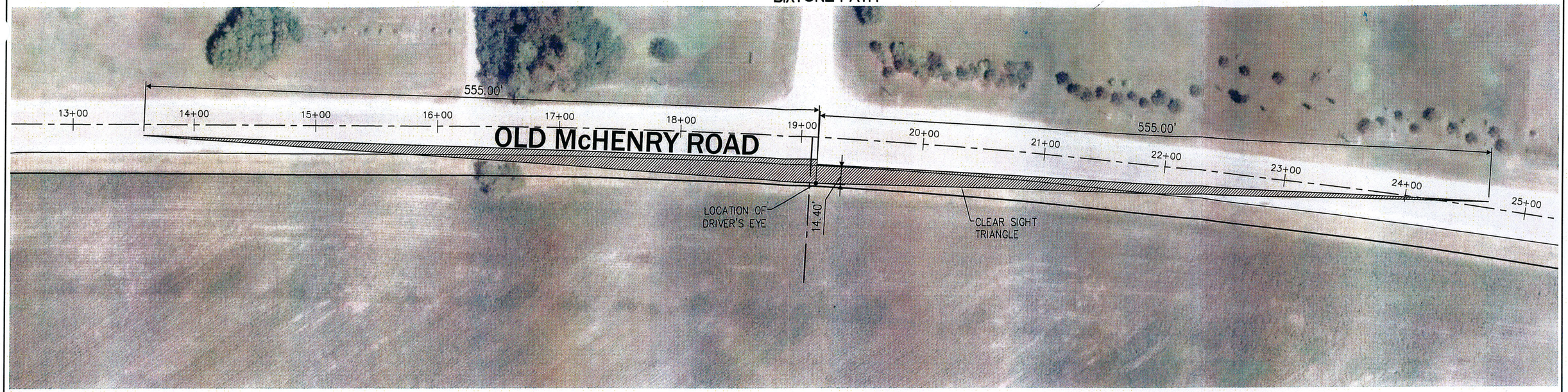
RAND ROAD - US 12 SOUTH ACCESS DRIVE SIGHT DISTANCE ANALYSIS	DESIGN: KML	DRAFTING: TDG
	SCALE: HORIZ. 1"=60' VERT. 1"=10'	DATE: 9-10-2010

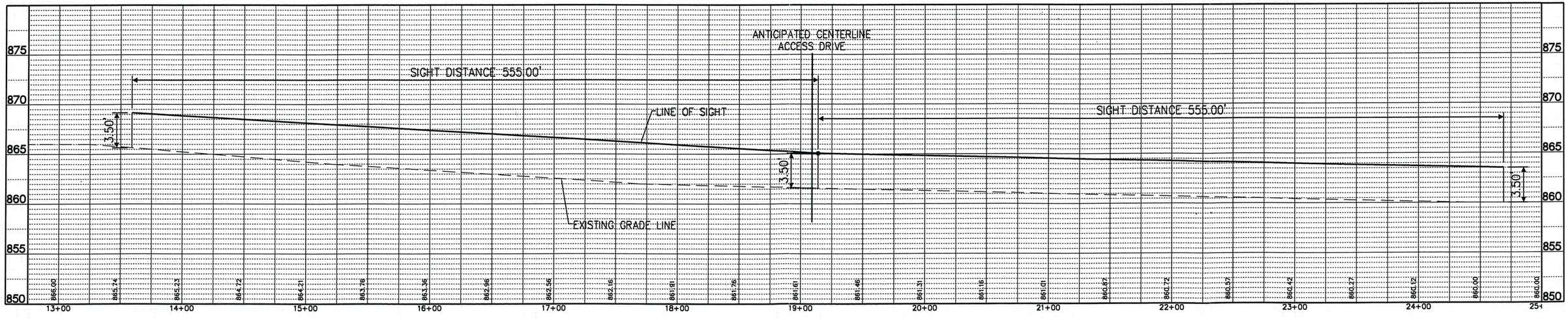
JOB NO. 10-032

ITEM 28B



OLD McHENRY ROAD ACCESS DRIVE SIGHT DISTANCE ANALYSIS

SCALE 1" = 80'



INTERSECTION SIGHT DISTANCE:

Vmajor = 50 mph (45 posted speed)
Tc = 7.5 sec

ISD = 555 FEET (PER IDOT DESIGN MANUAL FIGURE 36-6E)

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OLD McHENRY ROAD ACCESS DRIVE SIGHT DISTANCE ANALYSIS	DESIGN: KML	DRAFTING: TDG
	SCALE: HORIZ. 1"=80' VERT. 1"=10'	DATE: 9-10-10

JOB NO. 10-032

ITEM 28C