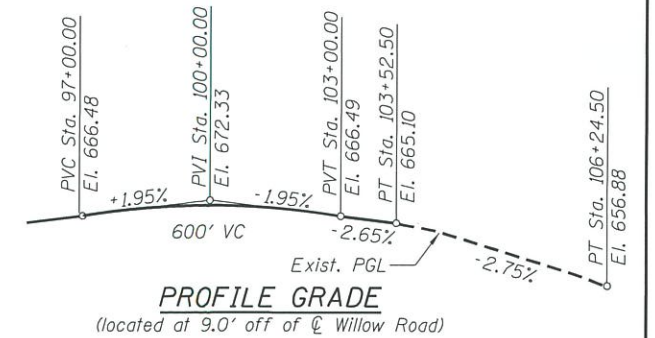
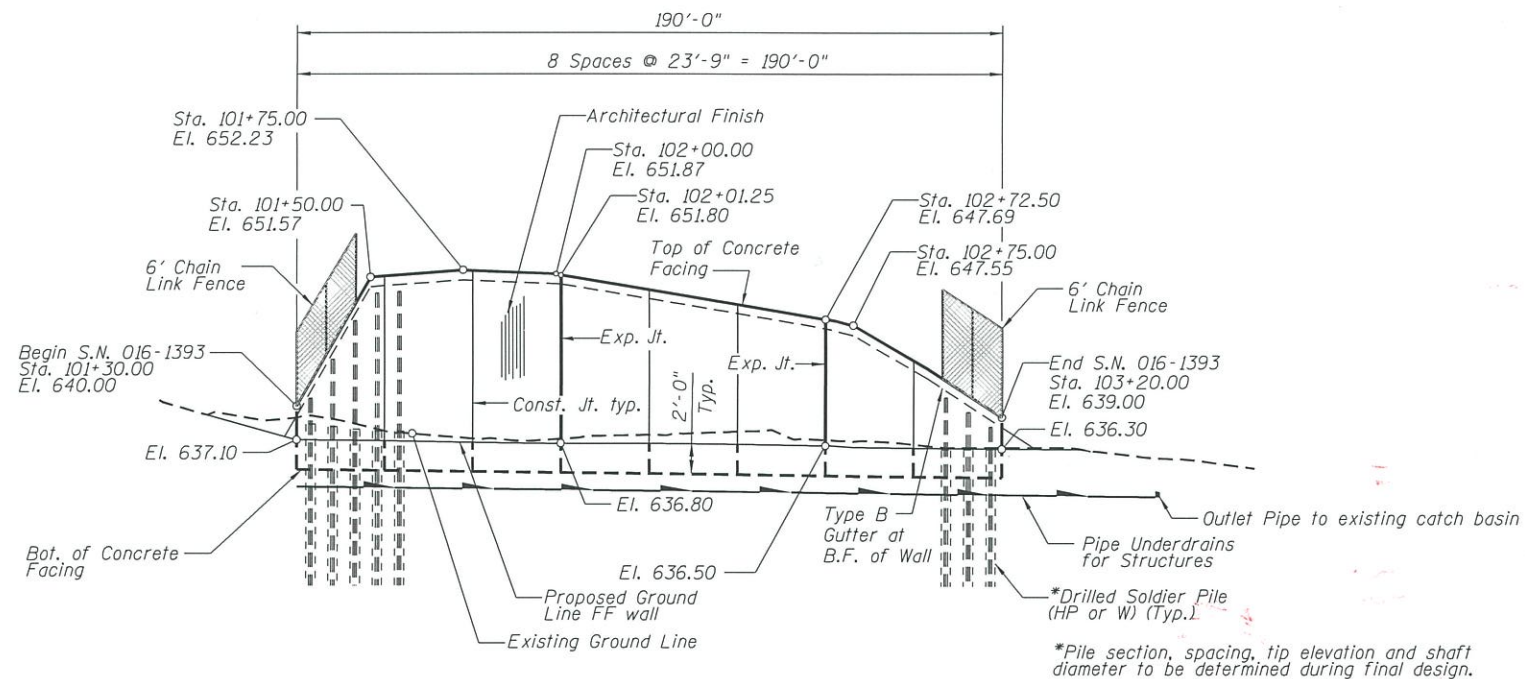


Bench Mark BM: Located on southwest wingwall of the Willow Road Bridge (S.N. 016-0533) over Lehigh Avenue & Soo Line Railroad, Sta. 98+74.59, 40.03' Rt., El. 669.03

Existing Structure: None



DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

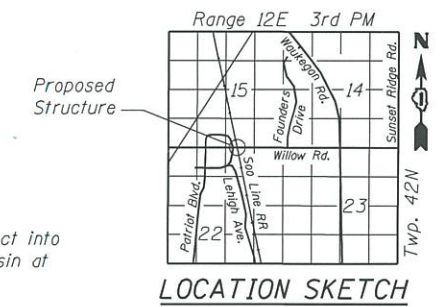
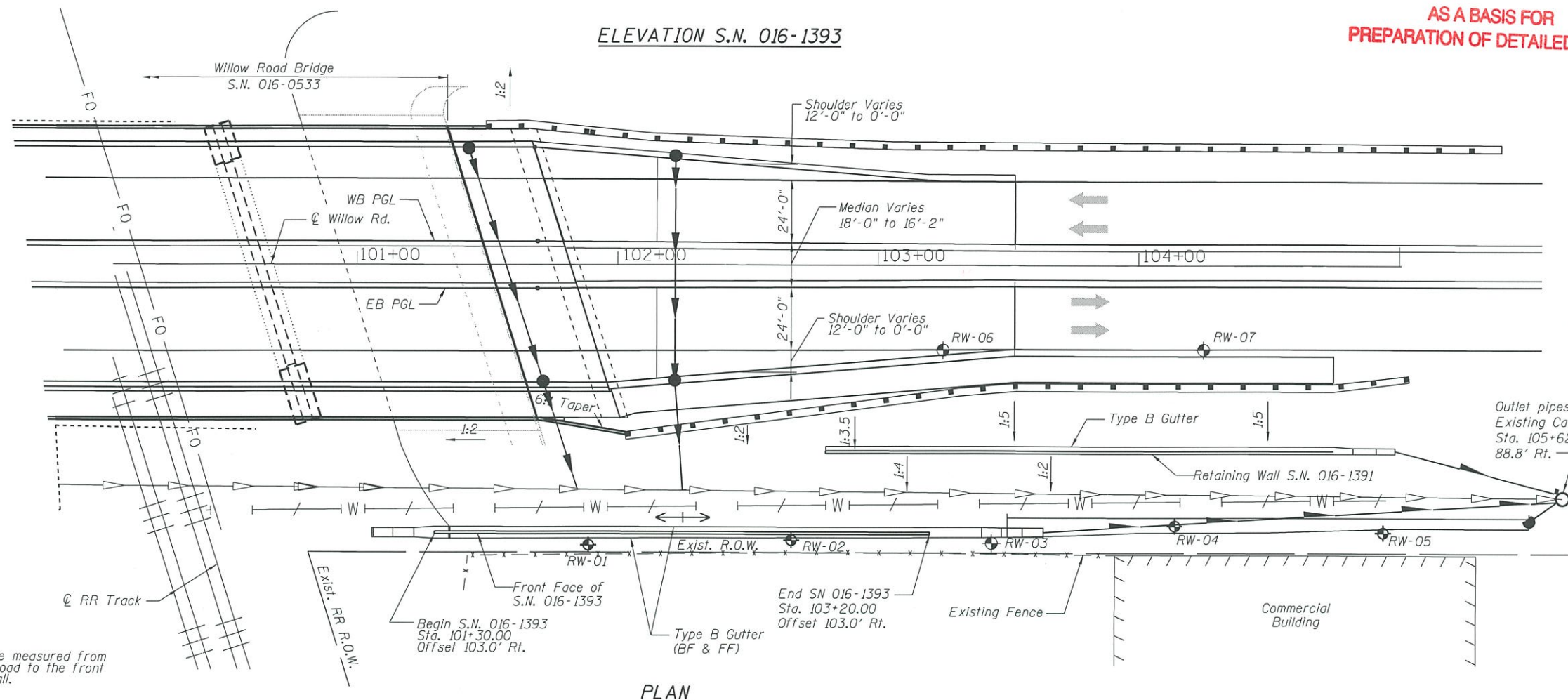
APPROVED

NOV 07 2018

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

HIGHWAY CLASSIFICATION

Route: FAP 305 (Willow Road)
Functional Class: Other Principal Arterial
ADT: 35,400 (2006), 50,200 (2020)
DHV = 1475
ADTT = 9%
Design Speed: 45 mph
Posted Speed: 45 mph
Directional Distribution: 50/50
Two Way Traffic



GENERAL PLAN
WILLOW ROAD
FAP 305 SEC. 1920.01-BR
COOK COUNTY
STA. 101+30 TO STA. 103+20
STRUCTURE NO. 016-1393

Note:
Offsets are measured from
Centerline of Willow Road to the front
face of wall.



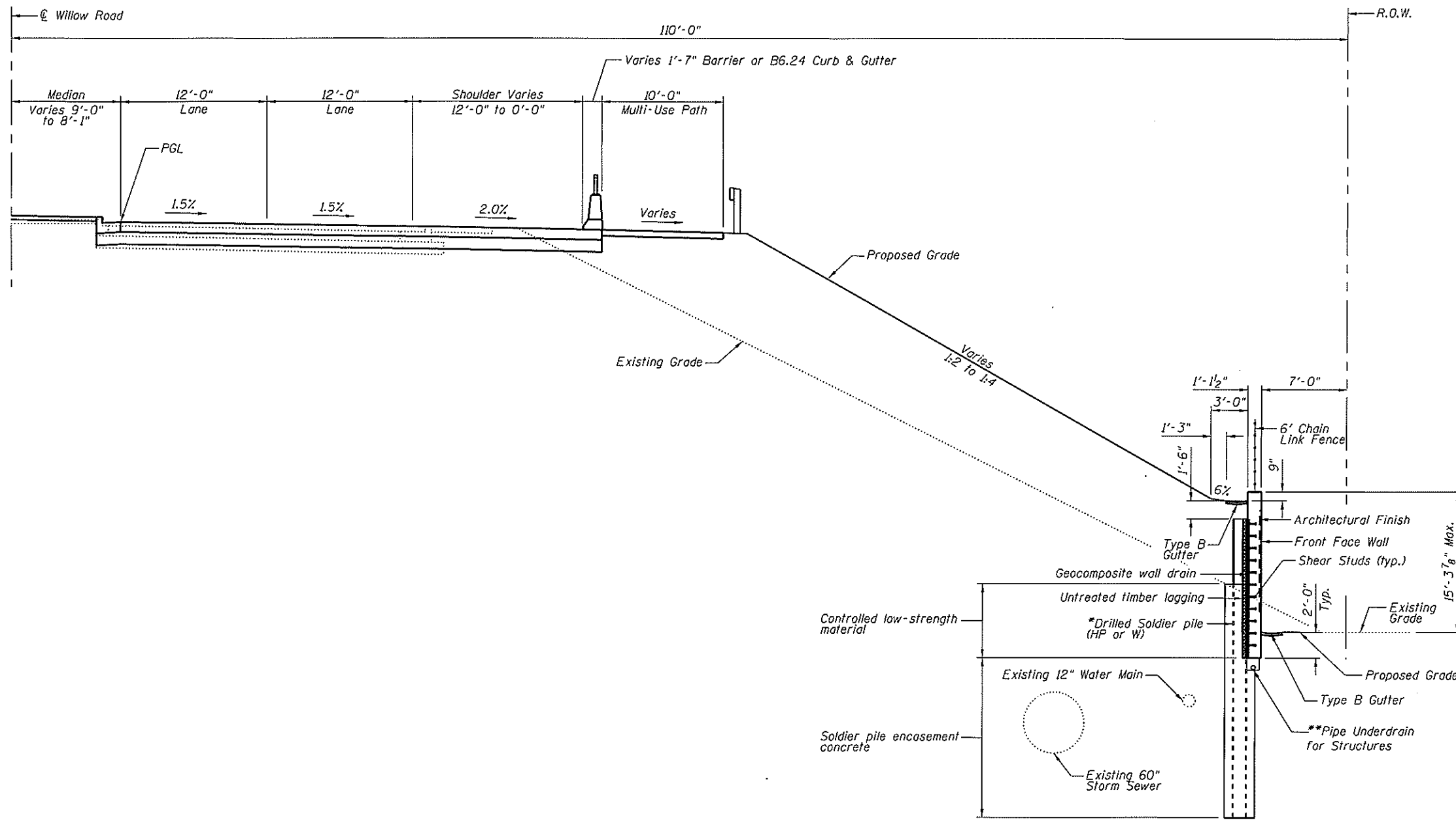
USER NAME = vsorpe	DESIGNED - LAS	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED - LMS	REVISED -
PLOT DATE = 11/1/2018	DRAWN - TCS	REVISED -
	CHECKED - LAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NUMBER 016-1393
SHEET NO. 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	1920.01-BR	COOK	2	1
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FILE NAME = P:\2015\0562.LDDI.DI.Willow.Rd.over.SDD.Line.RR.Widening.PTB.159-171\01.CADD.Files\Revised\TS&L\Draw1\Alternate\DD60883-SHE16-1393-TS&L.dgn



TYPICAL SECTION
Sta. 101+30.00 to Sta. 103+20
(Looking East)

*Pile section, spacing, tip elevation and shaft diameter to be determined during final design.
**Pipe Underdrain to outlet into Existing Catch Basin located at Sta. 105+62.71.



USER NAME = vscarpp	DESIGNED - LAS	REVISED -
PLOT SCALE = 1/20,000 1" = 20'	CHECKED - LMS	REVISED -
PLOT DATE = 11/1/2019	DRAWN - TCS	REVISED -
	CHECKED - LAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
STRUCTURE NUMBER 016-1393
SHEET NO. 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	1920.01-BR	COOK	2	2
ILLINOIS FED. AID PROJECT				
CONTRACT NO.				