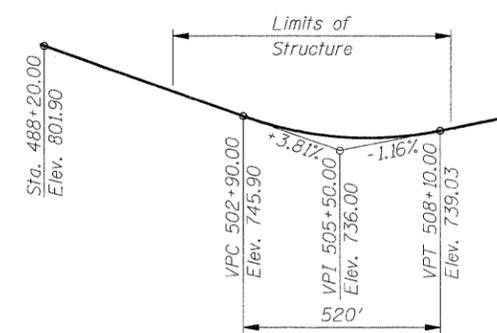
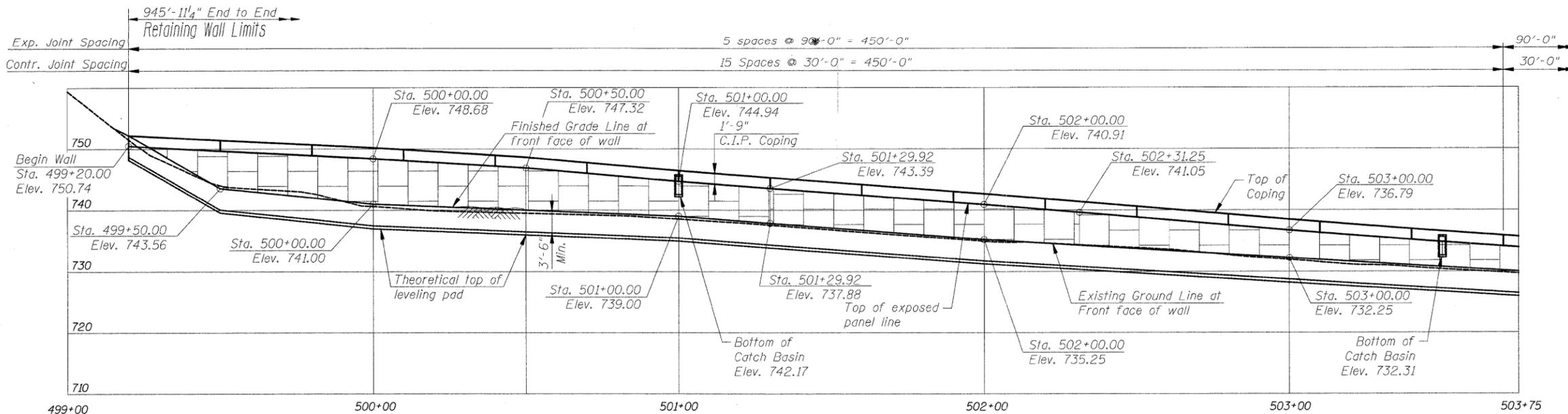


Bench Mark: BM-15 - "Aluminum Disk" set in concrete at the southwest corner of IL Route 31 and McLean Boulevard. Elev. 716.31
 Existing Structure: None

SHEET W1 OF W7

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	123
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

Contract # 63076



PROPOSED PROFILE GRADE
STEARNS ROAD
 (Along PGL)

CURVE DATA

$\Delta = 41^\circ 05' 03''$ (LT)
 $D = 2^\circ 06' 23''$
 $T = 1,019.25'$
 $L = 1,950.39'$
 $E = 184.70'$
 $R = 2,720.00'$
 P.C. = Sta. 481+79.54
 P.T. = Sta. 501+29.92
 P.I. = Sta. 491+98.78

ELEVATION
 (looking North)



INDEX OF SHEETS

- W1 General Plan I
- W2 General Plan II
- W3 Sections & Details
- W4 Soil Boring Logs I
- W5 Soil Boring Logs II
- W6 Soil Boring Logs III
- W7 Soil Boring Logs IV

GREGORY J. HATLESTAD, S.E.
 # 081-005562

EXP 11/30/10

DATE 3/30/09

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
* Porous Granular Embankment, Special	Cu. Yd.	594
Structure Excavation	Cu. Yd.	2,260
* Form Liner Textured Surface	Sq. Ft.	8,289
* Biaxial Geogrid	Sq. Yd.	887
* Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	8,289

*See Special Provision

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

FIELD UNITS

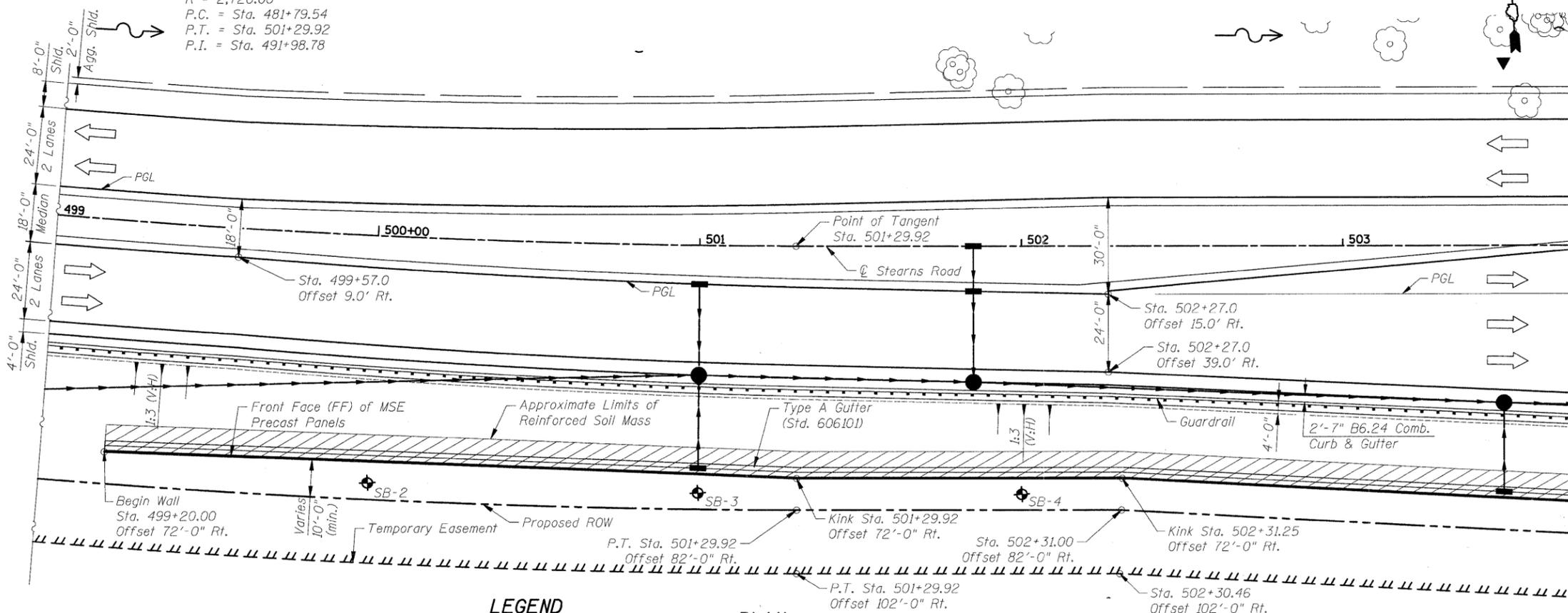
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f'_c = 4,500$ psi (Precast Panels)



LOCATION SKETCH



LEGEND

- ◆ Soil Borings
- Proposed ROW
- /// Temporary Easement
- Prop. Storm Sewer
- ↗ Drainage Arrow

PLAN

GENERAL NOTE

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN I

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: None DRAWN BY: M. Lange
 DATE: March 30, 2009 CHECKED BY: G. Hatlestad