*APPROVED

MAY 03 2005

AS A BASIS FOR
PREPARATION OF DETAILED PLANS
* Subject to RR Approval

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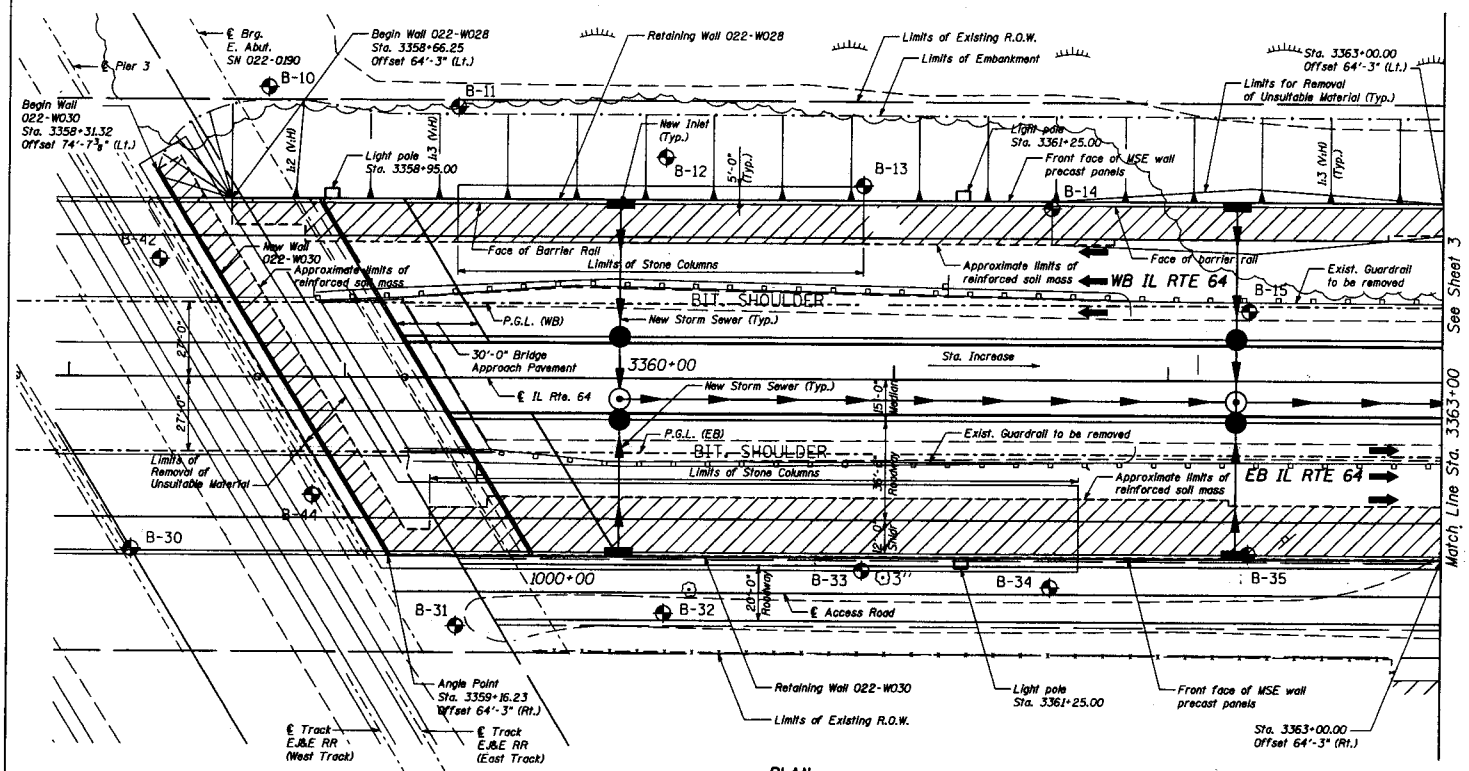
Benchmark: "T" Cut in SW Corner Concrete Base of Traffic Signal Box in NW Corner IL Rte. 64 & Powis Rd. Elev. 758.46

Existing Structure: None.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	5	1
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS
f'c = 4,500 psi (Precast Face Panels)

HIGHWAY CLASSIFICATION

Class: Principal Arterial
DHV (2020): 1,990
ADT (2000): 30,700
ADT (2020): 45,000
ADTT (2000): 3,684
ADTT (2020): 5,400
Design Speed: 50 mph

NOTES:

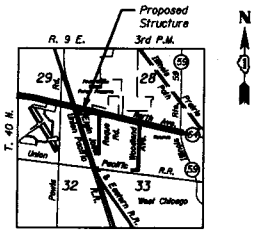
Any embankment fill that is placed to support the bearing of the wall shall have a minimum unconfined compressive strength equal to 1.5 TSF or a minimum phi angle of 30°.

Stations and offsets are measured from ℄ IL Rte. 64 to the front face of the MSE wall panels.

Standard symbols, abbreviations and patterns for existing features per Std. 000001-01 through 000001-04.

LEGEND:

- Reinforced Soil Mass
- Removal of Unsuitable Material
- MSE Wall Panels
- B-1 Soil Boring



LOCATION SKETCH
Not to Scale

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

GENERAL PLAN
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3358+31.32 TO 3364+75.00
RETAINING WALL STRUCTURE NO. 022-W030

SCALE: NONE DRAWN BY: CHD
DATE: MAY 28, 2004 CHECKED BY: MJP

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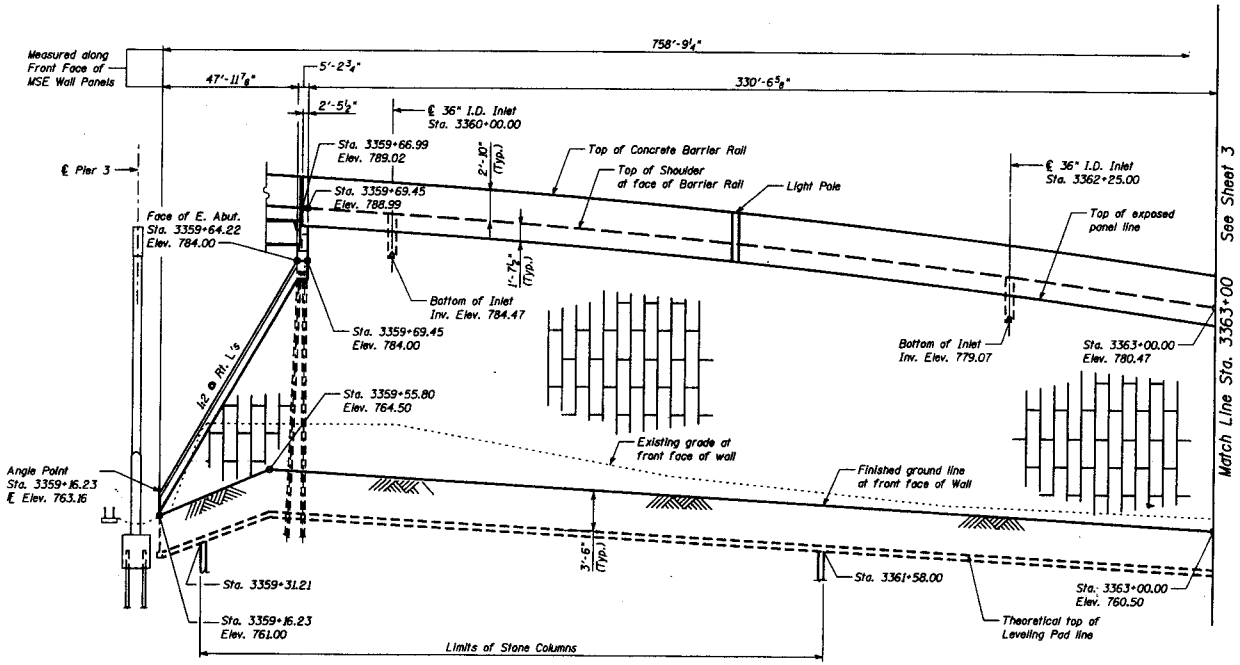
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	5	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

(Looking North)

Note: The face of abutment station is measured to an offset equal to 63'-9" (The assumed back face of the MSE wall panels)

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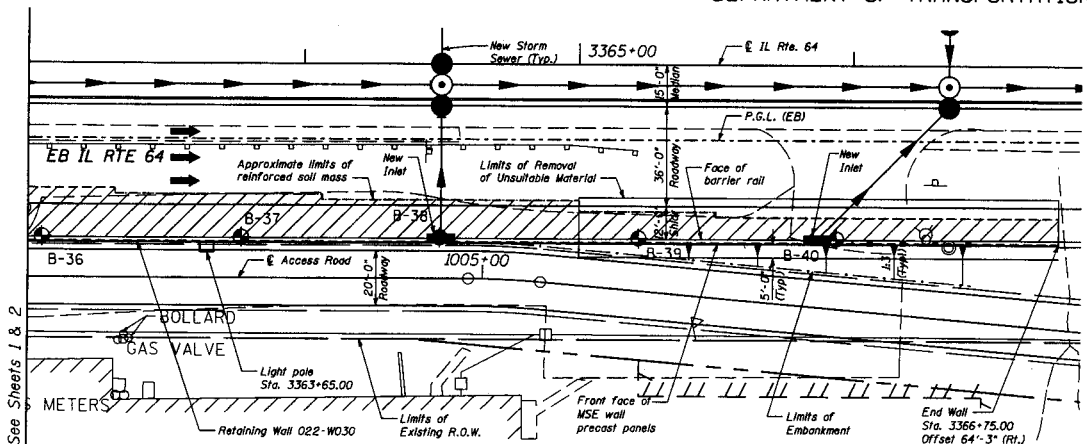
GENERAL PLAN
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3358+31.32 TO 3366+75.00
RETAINING WALL STRUCTURE NO. 022-W030

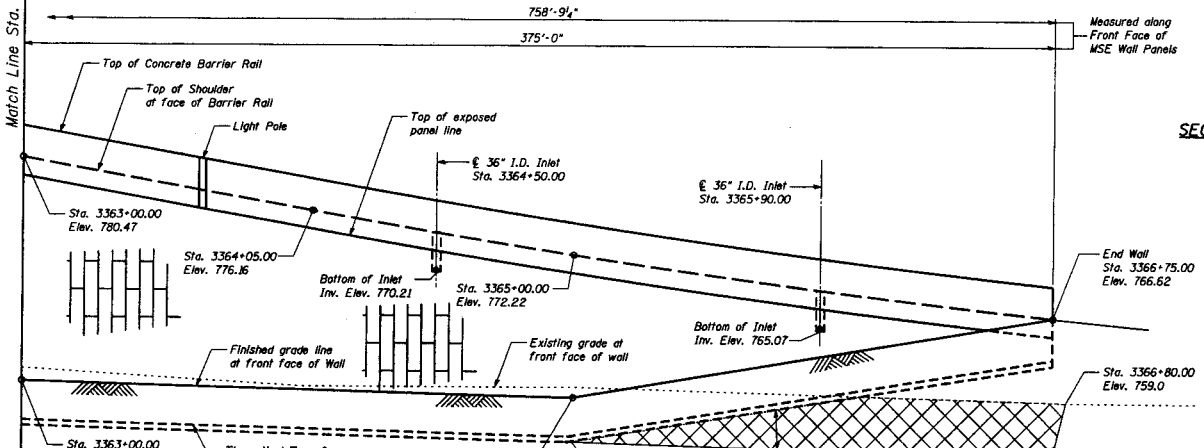
SCALE: NONE
DATE: MAY 26, 2004
DRAWN BY: CHD
CHECKED BY: MJP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

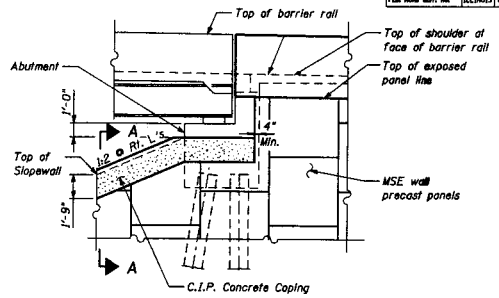
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	5	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



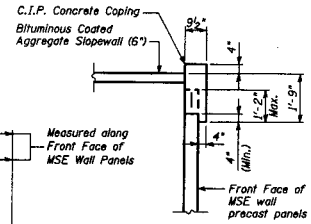
PLAN



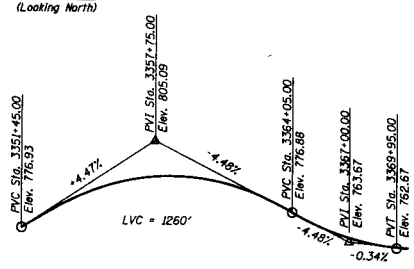
ELEVATION
(Looking North)



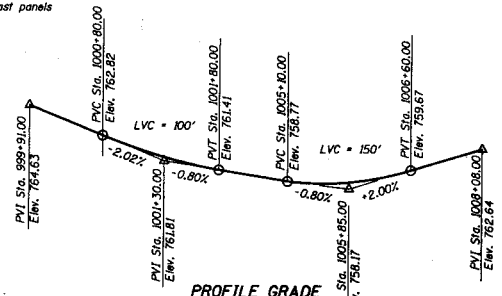
DETAIL 1
(Looking North)



SECTION A-A



PROFILE GRADE
IL RTE. 64



PROFILE GRADE
ACCESS ROAD

Match Line Sta. 3363+00 See Sheets 1 & 2

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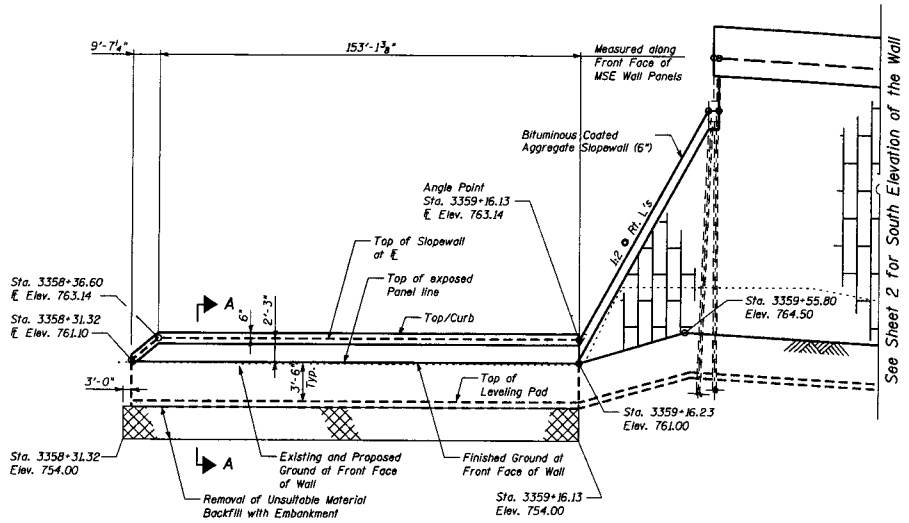
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3358+31.32 TO 3366+75.00
RETAINING WALL STRUCTURE NO. 022-W030

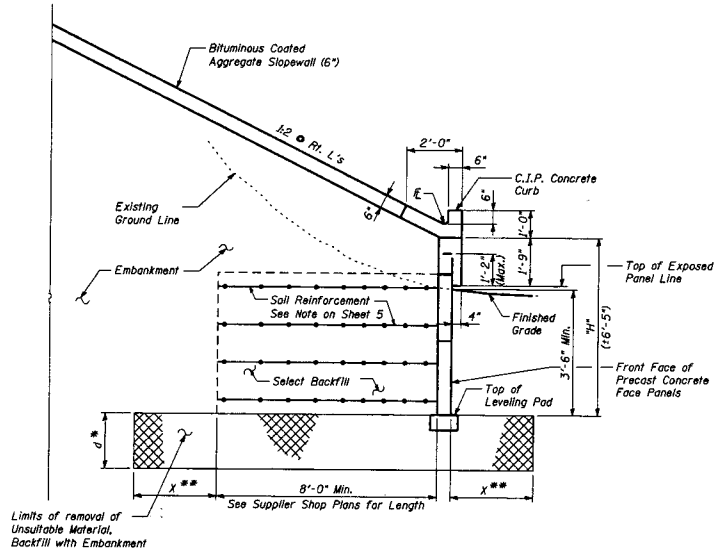
SCALE: NONE
DATE: MAY 28, 2004
DRAWN BY: CHD
CHECKED BY: MJP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	5	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EAST ELEVATION
(Unfolded View)



SECTION A-A
TYPICAL SECTION THROUGH CUTOFF WALL
(Looking South)

* For Limits of Removal of Unsuitable Material see Sheets 2 and 3

** Edge Distance "X" is the same as the Removal Depth "d"

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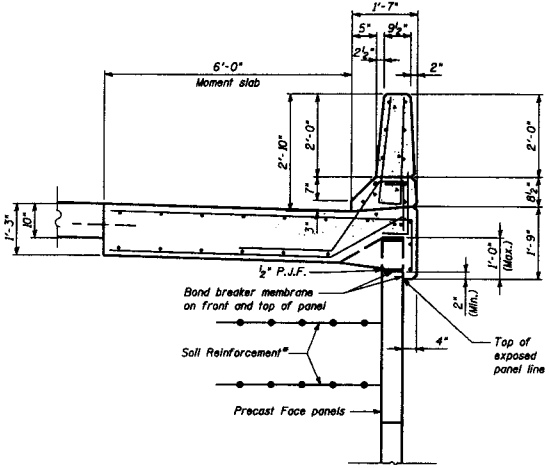
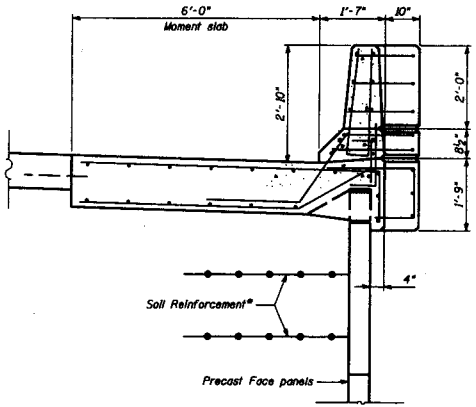
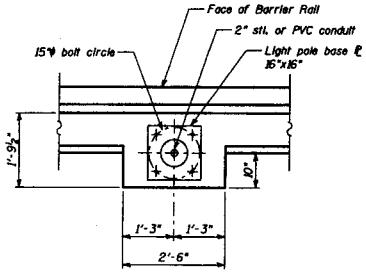


TYPICAL CROSS SECTION

*The M.S.E. wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 ksf and horizontal sliding force of 0.5 kips/ft. of wall.

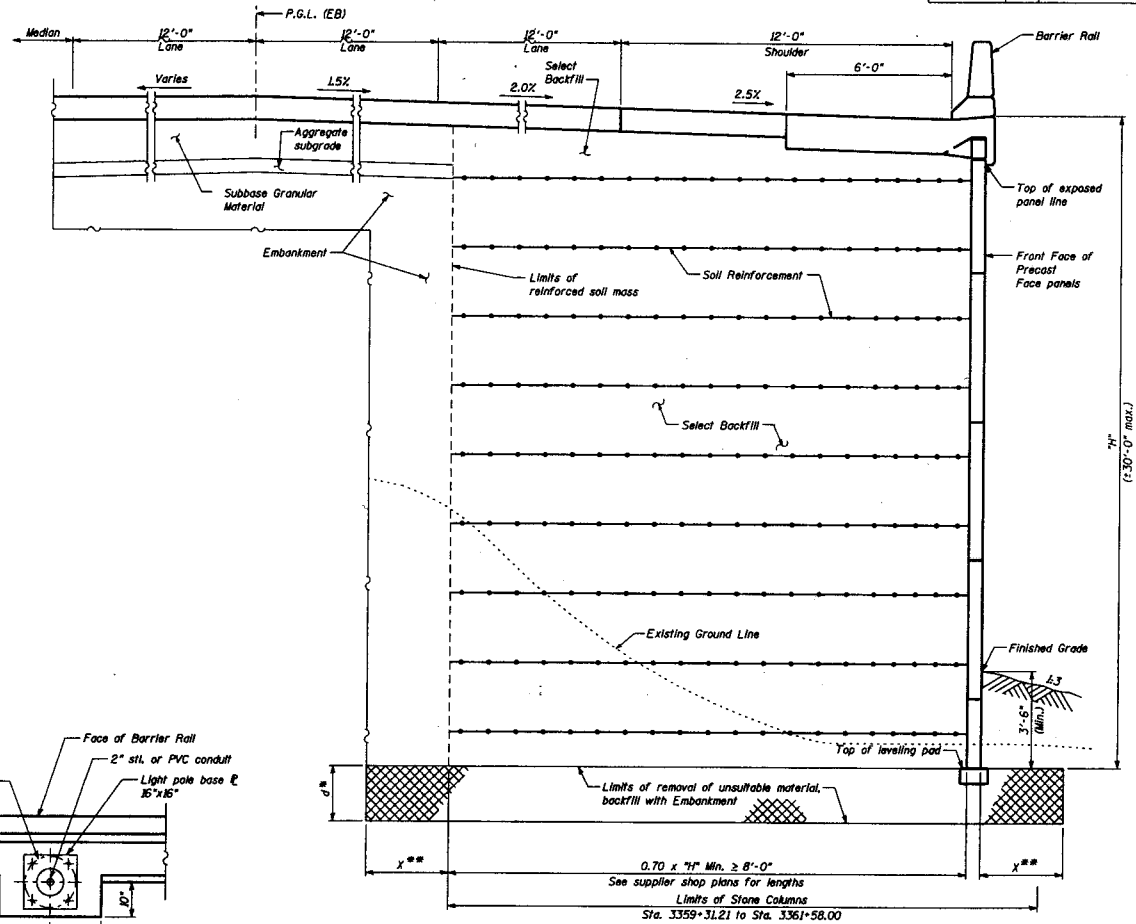


SECTION



PLAN

LIGHT POLE MOUNTED ON CONCRETE BARRIER RAIL



TYPICAL SECTION
(Looking Upstation)

* For Limits of Removal of Unsuitable Material see Sheets 2 and 3

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