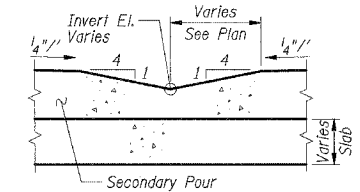
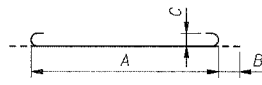


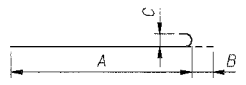
ANNULAR GROUTING DETAIL



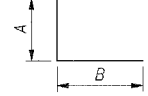
SECONDARY POUR DETAIL



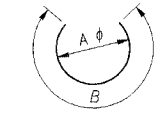
Bar	A	B	C
a351	9'-7"	11"	8"
a353	4'-6"	7"	5"
a354	4'-6"	11"	8"
a355	6'-6"	7"	5"
a356	6'-6"	11"	8"



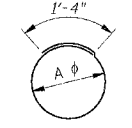
Bar	A	B	C
h367	2'-11"	6"	4"
h368	2'-11"	10"	7"
h369	3'-11"	6"	4"
h370	3'-11"	10"	7"



Bar	A	B
h358	1'-8"	1'-8"
v357	1'-5"	1'-4"
v358	4'-2"	1'-4"
v359	3'-6"	1'-4"
v360	1'-4"	1'-4"



Bar	A	B
h354	6'-10"	18'-5"
h355	6'-10"	6'-5"
h356	8'-0"	21'-6"
h357	8'-0"	7'-0"



Bar	A
h359	3'-8"
h360	2'-6"
h361	4'-3"
h362	3'-1"
h363	4'-10"
h364	3'-8"
h365	5'-6"
h366	4'-4"

**DRAINAGE STRUCTURE 6
BAR LIST**

Bar	No.	Size	Length	Shape
a350	8	#5	9'-7"	—
a351	29	#8	11'-5"	—
a352	6	#4	9'-7"	—
a353	4	#5	5'-8"	—
a354	8	#8	6'-4"	—
h350	8	#4	10'-5"	—
h351	9	#7	10'-5"	—
h352	56	#5	10'-5"	—
h353	12	#5	9'-7"	—
h356	4	#5	21'-6"	—
h357	4	#5	7'-0"	—
h358	40	#5	3'-4"	—
h359	1	#4	12'-10"	—
h360	1	#4	9'-2"	—
h361	1	#4	14'-8"	—
h362	1	#4	11'-0"	—
h363	1	#4	16'-6"	—
h364	1	#4	12'-10"	—
h365	2	#4	18'-7"	—
h366	2	#4	15'-0"	—
h367	16	#4	3'-5"	—
h368	16	#7	3'-9"	—
h371	16	#5	6'-0"	—
h373	16	#5	4'-6"	—
v350	30	#7	8'-2"	—
v351	14	#5	8'-2"	—
v352	30	#7	4'-1"	—
v353	14	#5	3'-0"	—
v355	16	#4	2'-5"	—
v356	8	#4	2'-8"	—
v358	16	#4	5'-6"	—

**DRAINAGE STRUCTURE 9
BAR LIST**

Bar	No.	Size	Length	Shape
a350	8	#5	9'-7"	—
a351	29	#8	11'-5"	—
a352	6	#4	9'-7"	—
a353	4	#5	5'-8"	—
a354	8	#8	6'-4"	—
h350	8	#4	10'-5"	—
h351	9	#7	10'-5"	—
h352	56	#5	10'-5"	—
h353	12	#5	9'-7"	—
h356	4	#5	21'-6"	—
h357	4	#5	7'-0"	—
h358	40	#5	3'-4"	—
h359	1	#4	12'-10"	—
h360	1	#4	9'-2"	—
h361	1	#4	14'-8"	—
h362	1	#4	11'-0"	—
h363	1	#4	16'-6"	—
h364	1	#4	12'-10"	—
h365	1	#4	18'-7"	—
h366	1	#4	15'-0"	—
h367	16	#4	3'-5"	—
h368	16	#7	3'-9"	—
h371	16	#5	6'-0"	—
h373	16	#5	4'-6"	—
v350	30	#7	8'-2"	—
v351	14	#5	8'-2"	—
v352	30	#7	4'-1"	—
v353	14	#5	3'-0"	—
v355	16	#4	2'-5"	—
v356	8	#4	2'-8"	—
v359	16	#4	4'-10"	—

**DRAINAGE STRUCTURE 22
BAR LIST**

Bar	No.	Size	Length	Shape
a350	10	#5	9'-7"	—
a351	29	#8	11'-5"	—
a352	6	#4	9'-7"	—
a355	2	#5	7'-8"	—
a356	4	#8	8'-4"	—
h350	10	#4	10'-5"	—
h351	12	#7	10'-5"	—
h352	56	#5	10'-5"	—
h353	12	#5	9'-7"	—
h356	4	#5	21'-6"	—
h357	4	#5	7'-0"	—
h358	40	#5	3'-4"	—
h359	2	#4	12'-10"	—
h360	2	#4	9'-0"	—
h369	8	#4	4'-5"	—
h370	8	#7	4'-9"	—
h372	16	#5	4'-0"	—
h373	16	#5	4'-6"	—
v350	30	#7	8'-2"	—
v351	14	#5	8'-2"	—
v352	30	#7	4'-1"	—
v353	14	#5	3'-0"	—
v355	16	#4	2'-5"	—
v356	8	#4	2'-8"	—
v360	16	#4	2'-8"	—

BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	76
Rock Excavation for Structures	Cu Yd	5.8
Concrete Structures	Cu Yd	14.1
Reinforcement Bars	lbs	3,690
Frames, Type 1	Each	1
Lids, Type 1, Closed Lid	Each	1

**DRAINAGE STRUCTURE 25
BAR LIST**

Bar	No.	Size	Length	Shape
a350	10	#5	9'-7"	—
a351	29	#8	11'-5"	—
a352	6	#4	9'-7"	—
a355	2	#5	7'-8"	—
a356	4	#8	8'-4"	—
h350	10	#4	10'-5"	—
h351	12	#7	10'-5"	—
h352	56	#5	10'-5"	—
h353	12	#5	9'-7"	—
h356	4	#5	21'-6"	—
h357	4	#5	7'-0"	—
h358	40	#5	3'-4"	—
h359	2	#4	12'-10"	—
h360	2	#4	9'-0"	—
h369	8	#4	4'-5"	—
h370	8	#7	4'-9"	—
h372	16	#5	4'-0"	—
h373	16	#5	4'-6"	—
v350	30	#7	8'-2"	—
v351	14	#5	8'-2"	—
v352	30	#7	4'-1"	—
v353	14	#5	3'-0"	—
v355	16	#4	2'-5"	—
v356	8	#4	2'-8"	—

BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	71
Rock Excavation for Structures	Cu Yd	5.6
Concrete Structures	Cu Yd	14.0
Reinforcement Bars	lbs	3,650
Frames, Type 1	Each	1
Lids, Type 1, Closed Lid	Each	1

**DRAINAGE STRUCTURE 37
BAR LIST**

Bar	No.	Size	Length	Shape
a350	10	#5	9'-7"	—
a351	33	#8	11'-5"	—
a352	6	#4	9'-7"	—
a355	2	#5	7'-8"	—
a356	4	#8	8'-4"	—
h350	10	#4	10'-5"	—
h351	12	#7	10'-5"	—
h352	56	#5	10'-5"	—
h353	16	#5	9'-7"	—
h354	2	#5	18'-5"	—
h355	2	#5	6'-5"	—
h356	2	#5	21'-6"	—
h357	2	#5	7'-0"	—
h358	40	#5	3'-4"	—
h359	2	#4	12'-10"	—
h360	2	#4	9'-2"	—
h369	8	#4	4'-5"	—
h370	8	#7	4'-9"	—
h372	16	#5	4'-0"	—
h373	16	#5	4'-6"	—
v350	30	#7	8'-2"	—
v351	14	#5	8'-2"	—
v352	30	#7	4'-1"	—
v353	14	#5	3'-0"	—
v354	4	#4	8'-2"	—
v355	20	#4	2'-5"	—
v356	12	#4	2'-8"	—
v357	16	#4	2'-9"	—

BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu Yd	98
Concrete Structures	Cu Yd	14.2
Reinforcement Bars	lbs	3,880
Frames, Type 1	Each	1
Lids, Type 1, Closed Lid	Each	1

SHT. DS-7 OF DS-11

REVISIONS	
NAME	DATE

Notes:
1. Work this Sheet with Sheets DS-1 and DS-6.

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1 & 114) R-2

DRAINAGE STRUCTURES 6, 9, 22, 25 AND 37
DETAILS AND BILLS OF MATERIAL

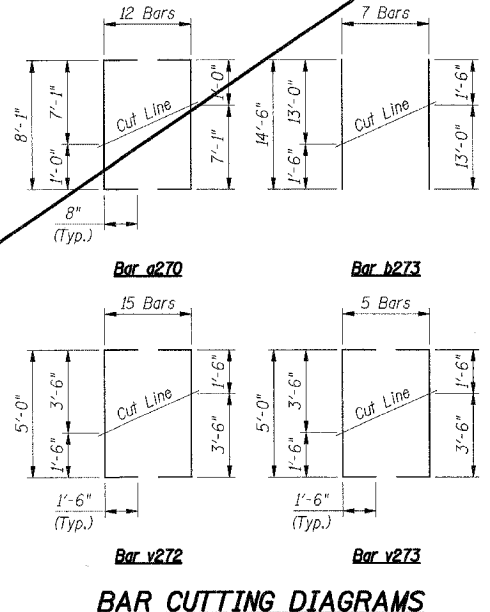
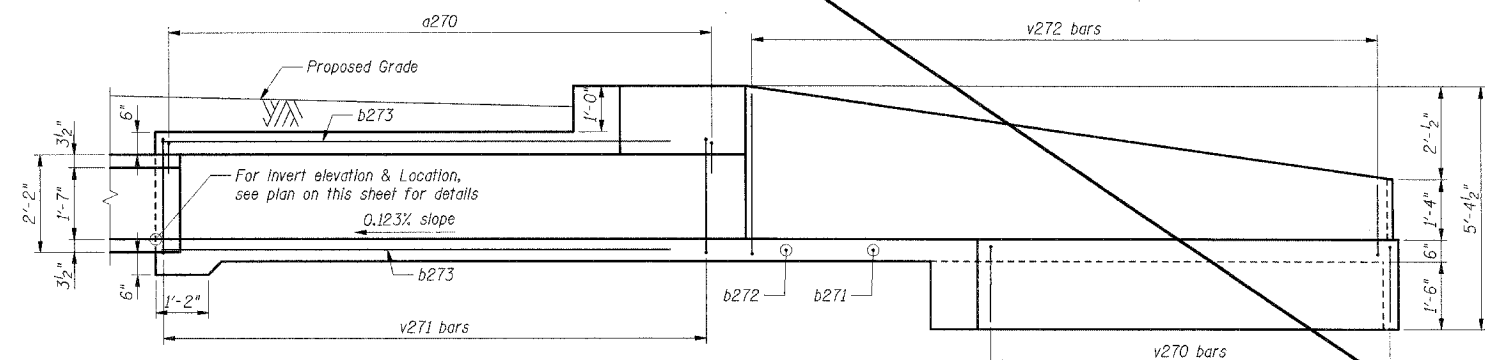
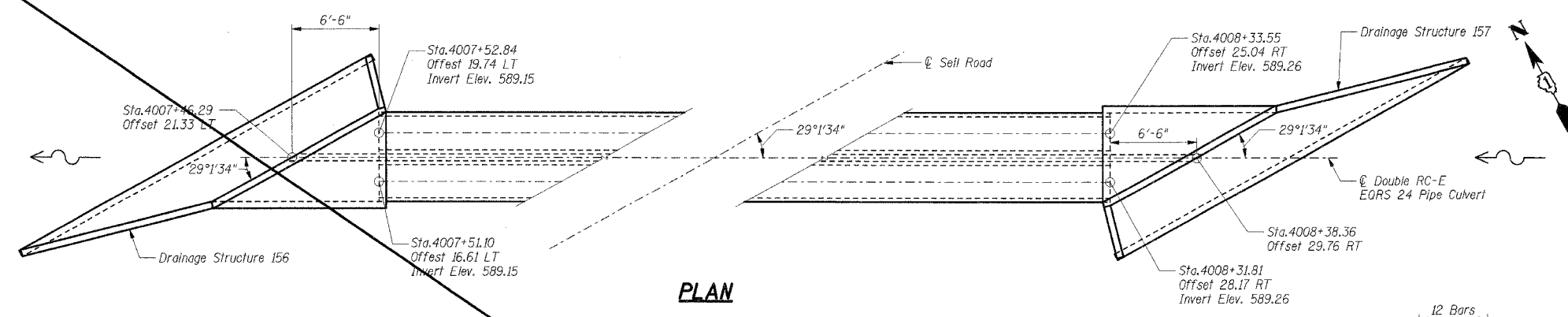
DRAWN BY: PA
CHECKED BY: BGK

DATE: 03/14/08



TENGE & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
200 N. MICHIGAN AVE. CHICAGO, IL 60601
TEL: 312.567.1000 FAX: 312.567.1001

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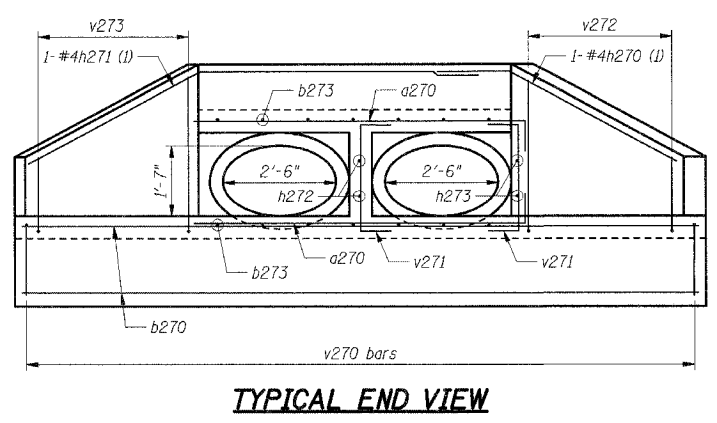
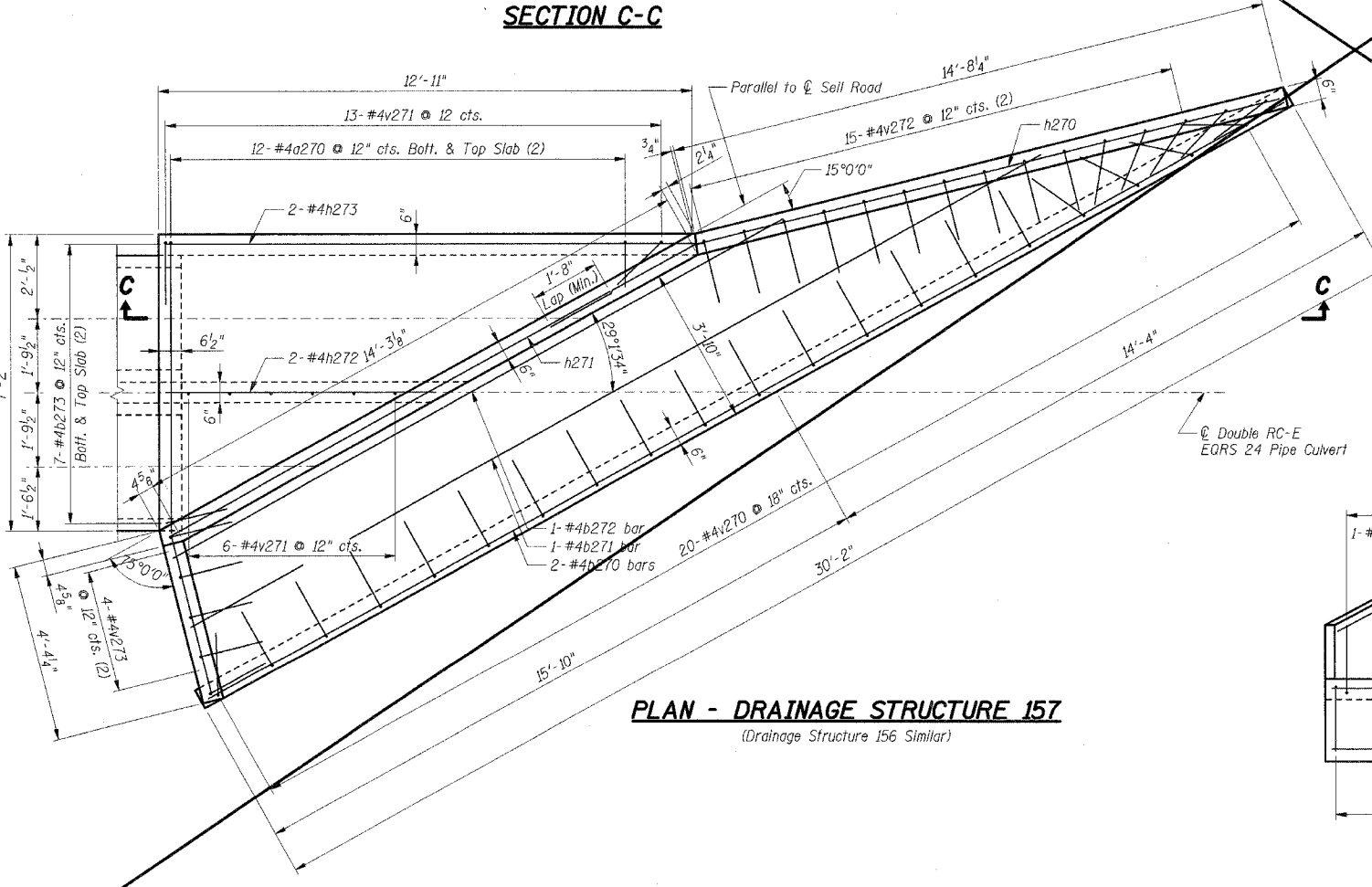


BAR LIST

Bar	No.	Size	Length	Shape
a270	24	#4	9'-5"	┌
b270	4	#4	29'-10"	—
b271	2	#4	23'-6"	—
b272	2	#4	16'-10"	—
b273	14	#4	14'-6"	—
h270	2	#4	18'-7"	└
h271	2	#4	16'-2"	└
h272	4	#4	6'-6"	—
h273	4	#4	13'-0"	—
v270	40	#4	3'-8"	└
v271	38	#4	3'-10"	└
v272	15	#4	8'-0"	└
v273	5	#4	8'-0"	└

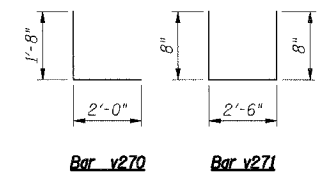
BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu Yd	12.6
Reinforcement Bars	lbs	820



Bars h270 & h271

Bar	A	B	C
h270	4'-0"	14'-7"	1'-2"
h271	4'-0"	12'-6"	3'-10"



Reinforcing Notes:
 (1) Bend bars to fit in field.
 (2) Cut bars according to bar cutting diagram.

Notes:
 1. Work this Sheet with Sht. DS-2.
 2. Bars indicated thus: 4x2-#5 etc. indicate 4 lines of bars with 2 lengths per line.
 3. All edges shall have standard 3/4" chamfers except as noted.

SHT. DS-9 OF DS-11

REVISIONS	
NAME	DATE

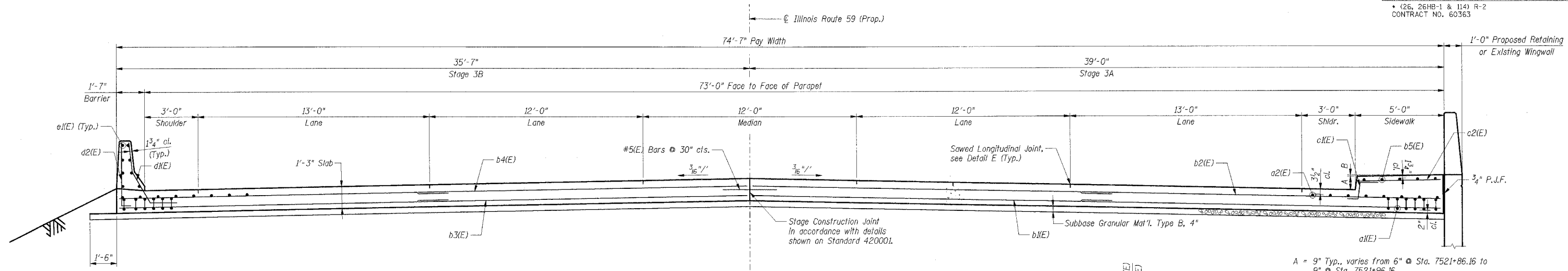
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1 & 114) R-2

DRAINAGE STRUCTURES 156 & 157
 PLAN AND DETAILS

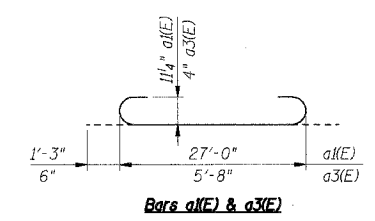
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SECTION B-B
(See Plans for Dimensions not shown)



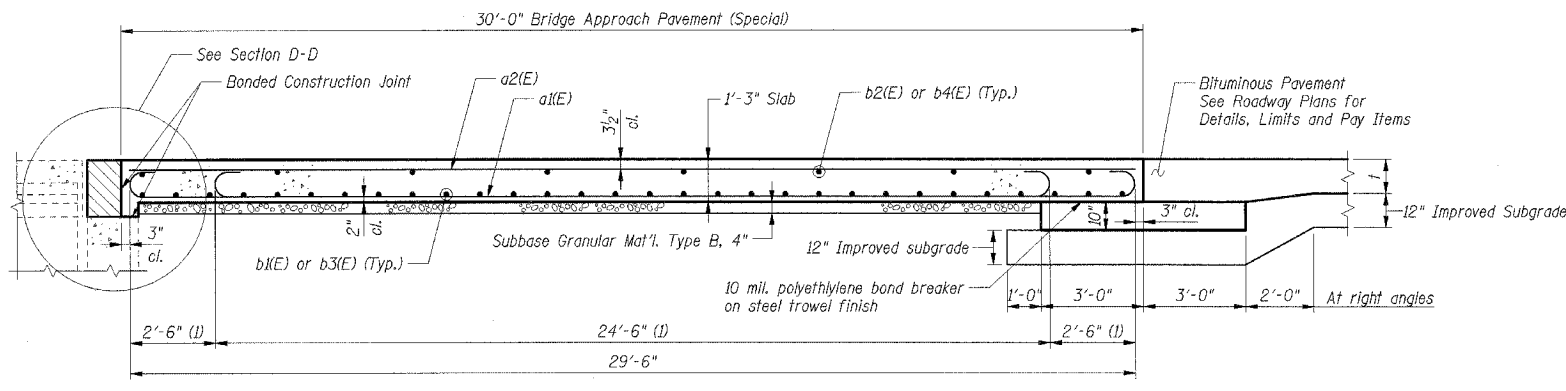
MATERIAL REQUIRED FOR BRIDGE APPROACH PAVEMENT (SPECIAL)

Bar	No.	Size	Length	Shape
a1(E)	150	#9	29'-6"	U
a2(E)	75	#5	29'-6"	U
a3(E)	84	#4	6'-8"	U
a4(E)	84	#4	5'-8"	U
b1(E)	60	#5	21'-7"	U
b2(E)	16	#4	21'-5"	U
b3(E)	60	#5	19'-10"	U
b4(E)	16	#4	19'-8"	U
b5(E)	5	#5	29'-6"	U
c1(E)	30	#5	2'-8"	U
c2(E)	30	#5	4'-5"	U
d1(E)	33	#5	5'-2"	U
d2(E)	30	#4	4'-1"	U
e1(E)	8	#4	30'-3"	U
h1(E)	48	#5	21'-7"	U
h2(E)	48	#5	19'-10"	U

Item	Unit	Total
Concrete Structures	Cu Yd	111.3
Reinforcement Bars, Epoxy Coated	Lbs	23,950
Polyethylene Bond Breaker	Sq Yd	53
Concrete Pad	Sq Yd	53

** Item included in the cost for Bridge Approach Pavement (Special).

Notes:
1. Work this sheet with Sheet 408.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Thickness "t" = Thickness of Pavement.

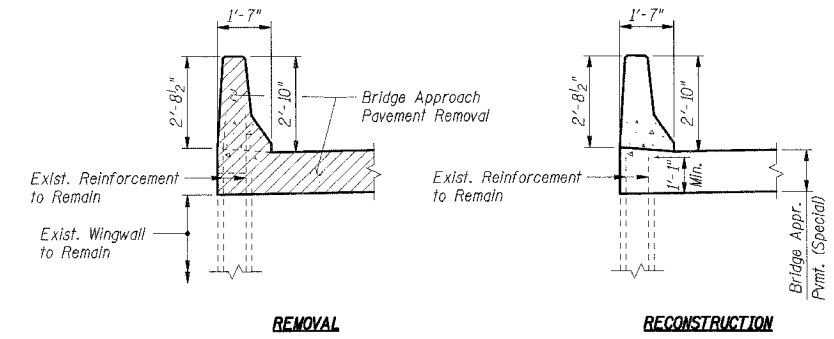


SECTION A-A

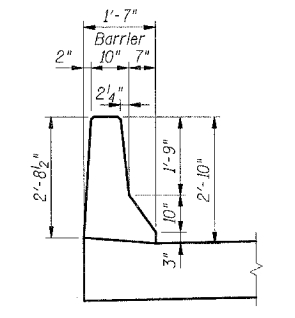
(I) Stagger #9a1(E) bars as shown on plan - full width.

LEGEND

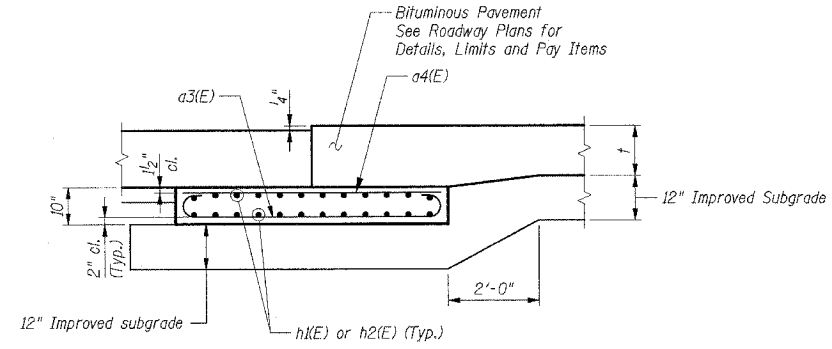
Removal



SECTION E-E

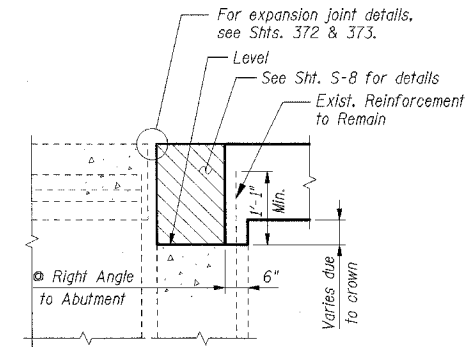


BARRIER GEOMETRY

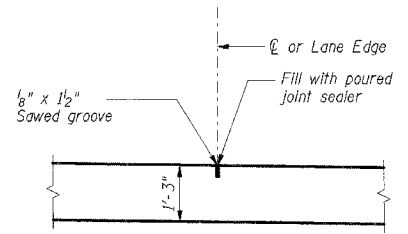


SECTION C-C

(Showing Reinforcement)



SECTION D-D



DETAIL E

* Saw ℓ and Lane Edge

APS-4 REVISIONS

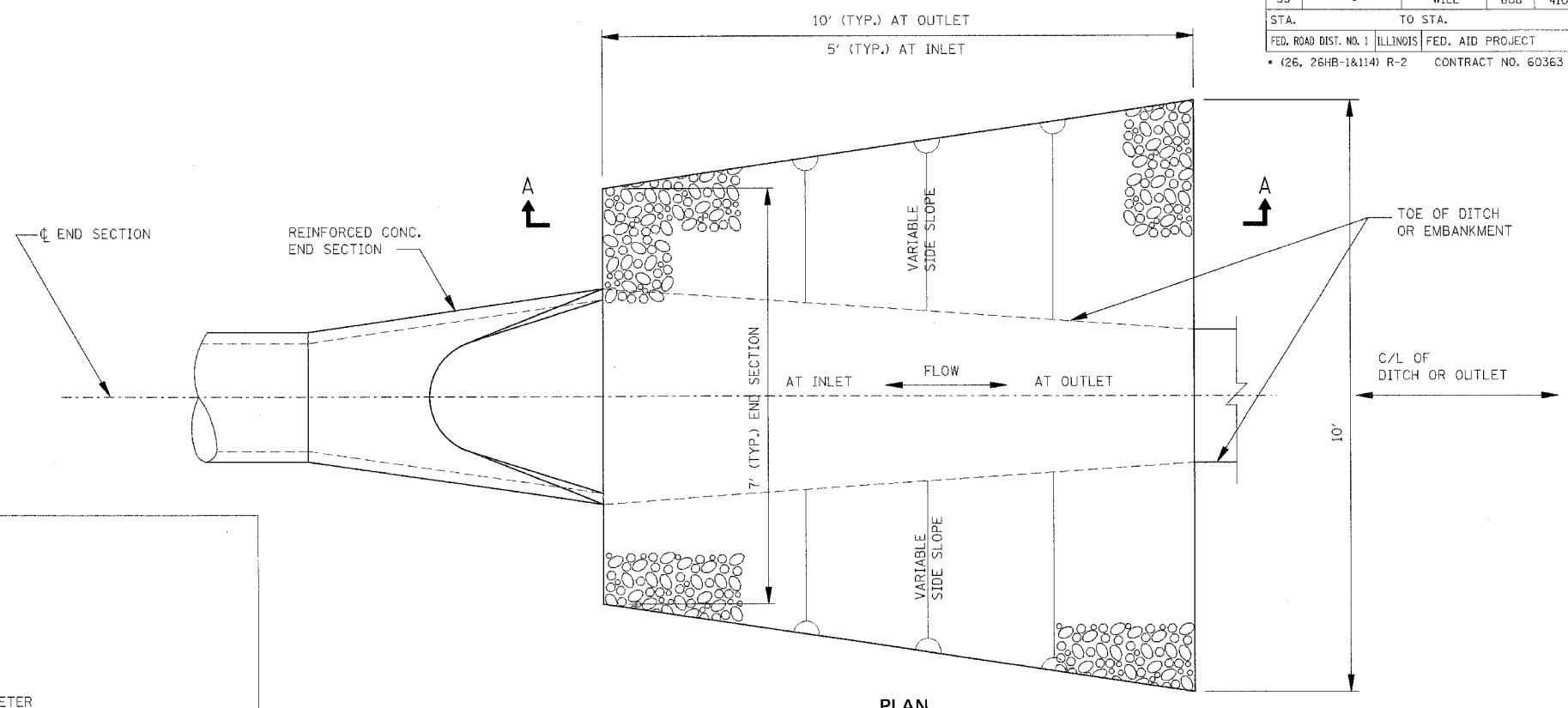
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1 & 114) R-2
**IL 59 BRIDGE OVER DUPAGE RVR
BRIDGE APPROACH PAVEMENT
DETAILS**

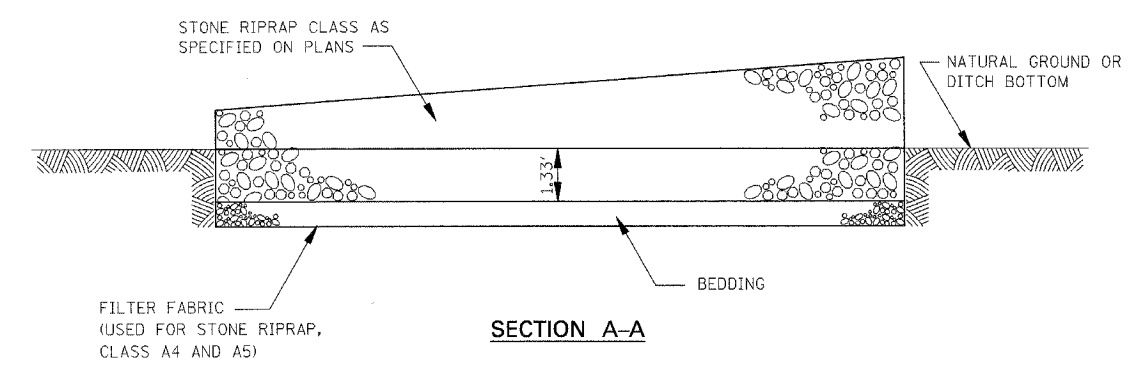
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	410
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (26, 26HB-1&114) R-2		CONTRACT NO. 60363		



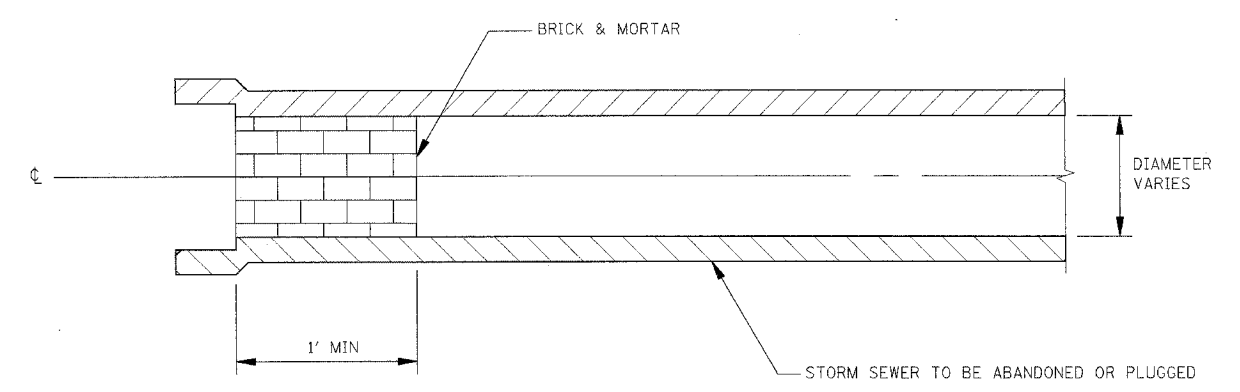
PLAN



SECTION A-A

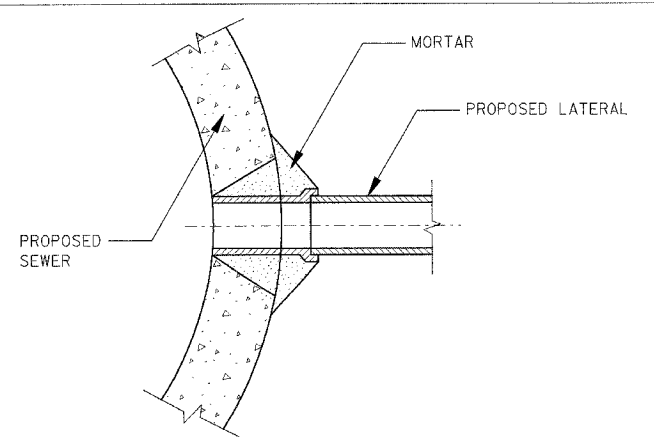
RIPRAP APRON
N.T.S.

- NOTE:**
- PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP, CLASS SPECIFIED. FILTER FABRIC IS PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "FILTER FABRIC".
 - APRON WIDTH SHALL BE ADJUSTED TO MATCH CULVERT END SECTION WIDTH SEE. SHEET 412 FOR OUTLET PROTECTION AT BOX CULVERTS.



STORM SEWER PLUG

NOTE:
1. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE STORM SEWER ITEMS.



PIPE CONNECTION
PROPOSED LATERAL CONNECTION TO PROPOSED SEWER OF 30 IN. OR LARGER

BASIS OF PAYMENT

PIPE CONNECTIONS OF ALL SIZES TO THE MAIN LINE SEWER SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR STORM SEWERS OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH AND FURNISHING ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1&114) R-2

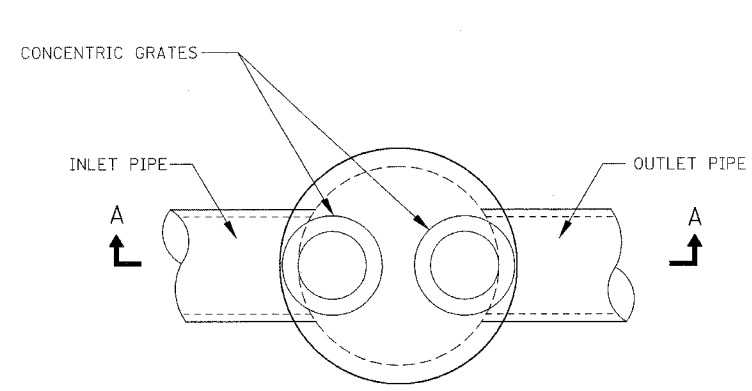
DRAINAGE DETAILS I

SCALE: N.T.S.
DATE: 03/14/08

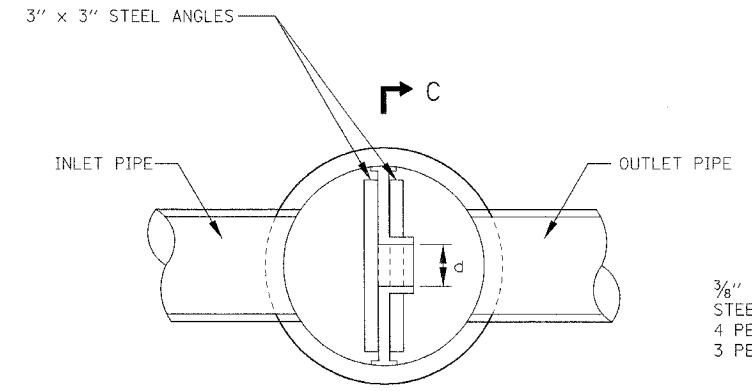
DRAWN BY: MRK
CHECKED BY: TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
300 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312-666-6000

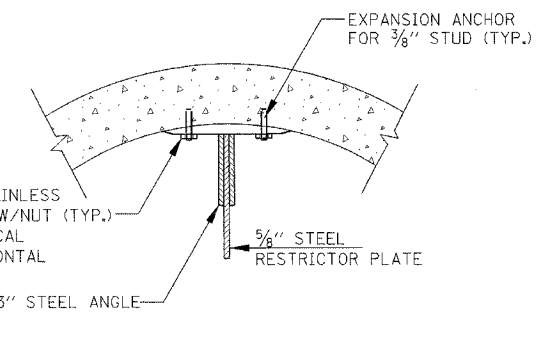
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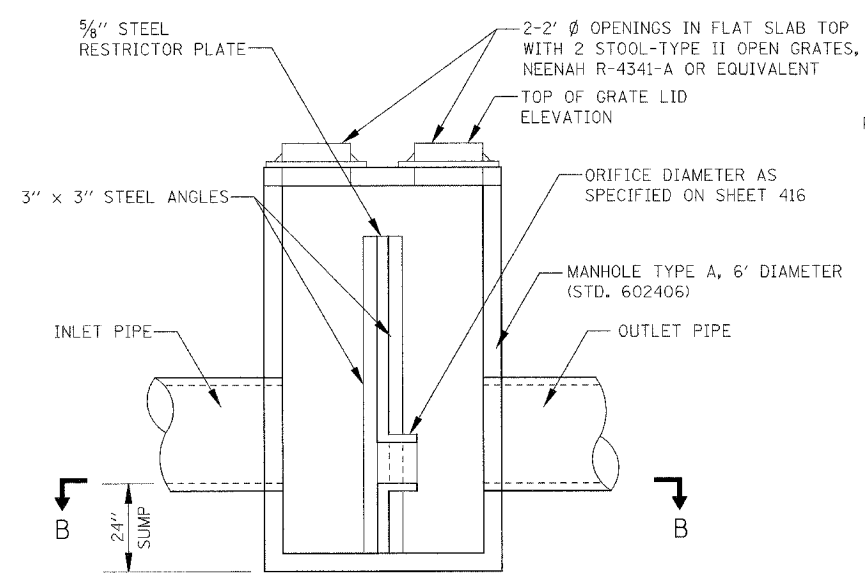
PLAN



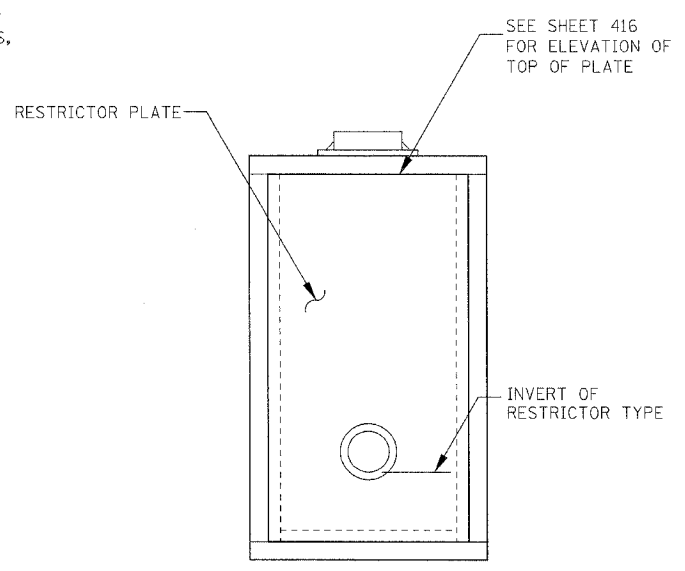
SECTION B-B



ANGLE FASTENER DETAIL

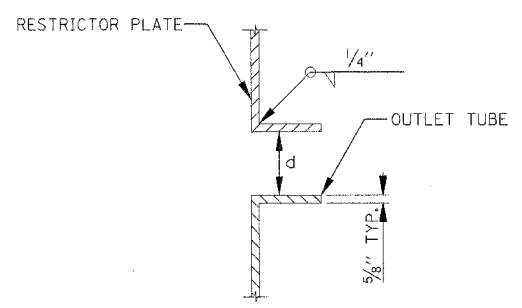


SECTION A-A

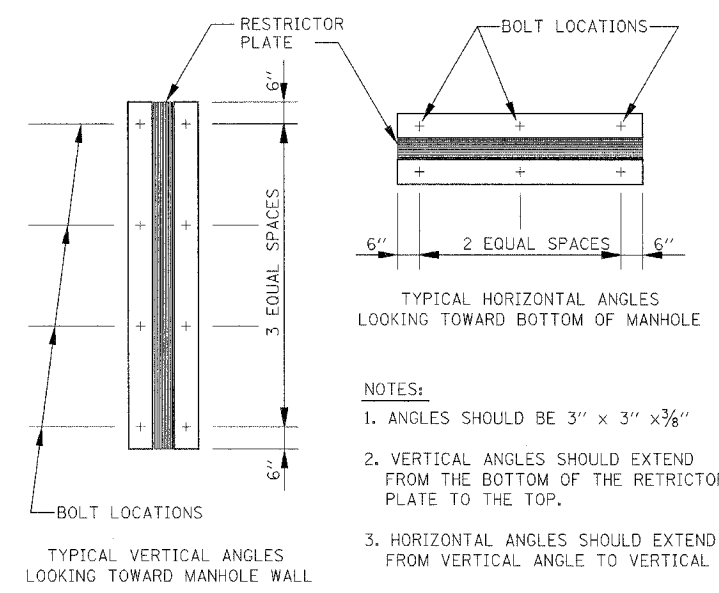


SECTION C-C

- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, WITH RESTRICTOR PLATE" EACH.

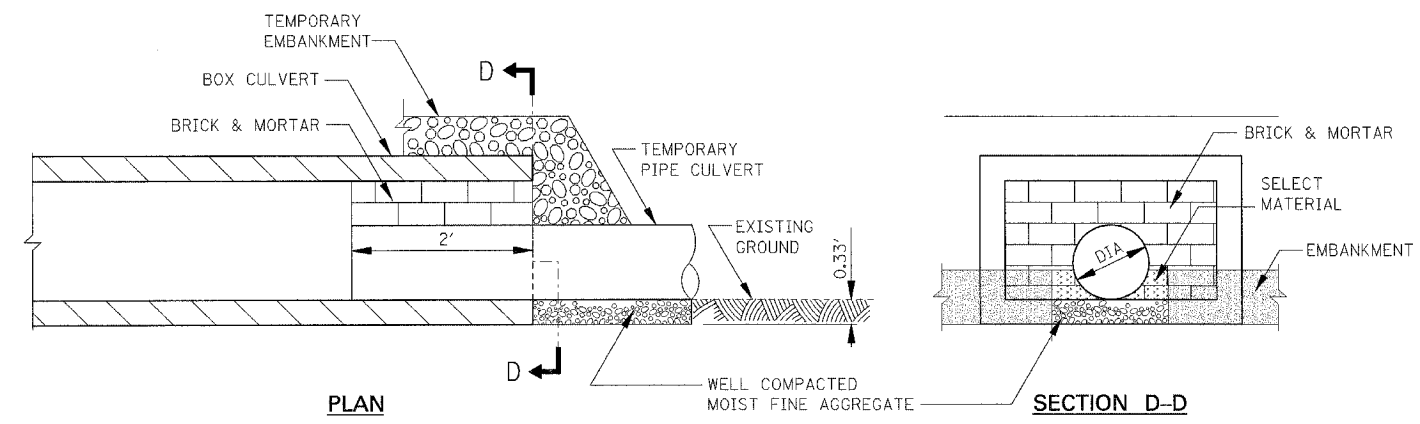


OUTLET TUBE DETAIL



STEEL ANGLE BOLTING DETAILS

MANHOLE WITH RESTRICTOR PLATE
N.T.S.



PLAN

SECTION D-D

TEMPORARY CONNECTION BETWEEN CULVERTS
N.T.S.

STRUCTURE NUMBER	MANHOLE DIAMETER	FRAME & GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER (INCHES)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE	RIM ELEVATION
602406	6'	TYPE 2	3	17"	580.50'	584.63'	585.30'

NOTE:
TEMPORARY CONNECTIONS BETWEEN CULVERTS, AS WELL AS THEIR SUBSEQUENT REMOVAL AND DISPOSAL OF ALL MATERIALS, WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT OF PIPE CULVERTS (TEMPORARY) OF THE CLASS, TYPE AND DIAMETER SPECIFIED. METHOD 1 CONSTRUCTION SHALL BE USED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-18114) R-2

DRAINAGE DETAILS II

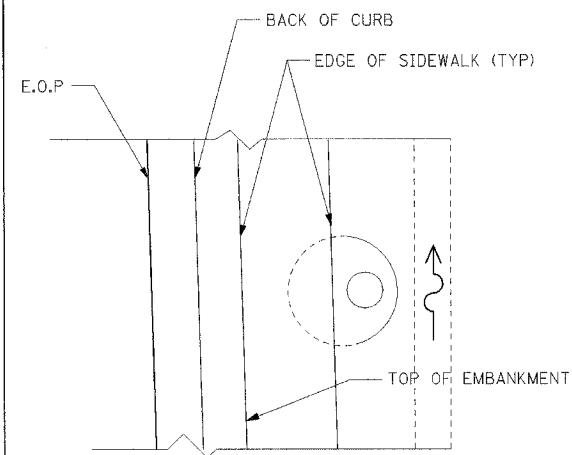
SCALE: N.T.S.
DATE: 03/14/08

DRAWN BY: MRK
CHECKED BY: TKL

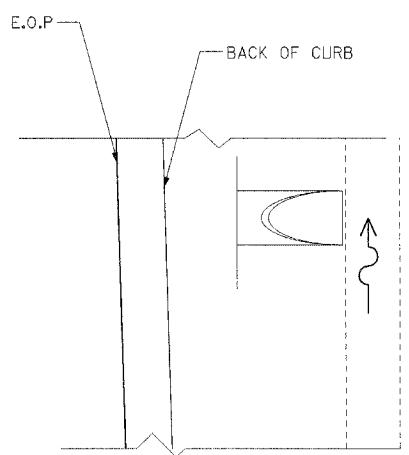
TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
300 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312-661-6000

ATTORNEY GENERAL
 3-12-2008, 18:45:57
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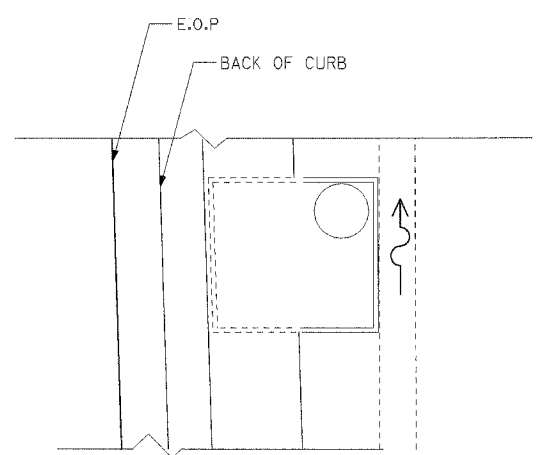
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	413
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (26, 26HB-18114) R-2		CONTRACT NO. 60363		



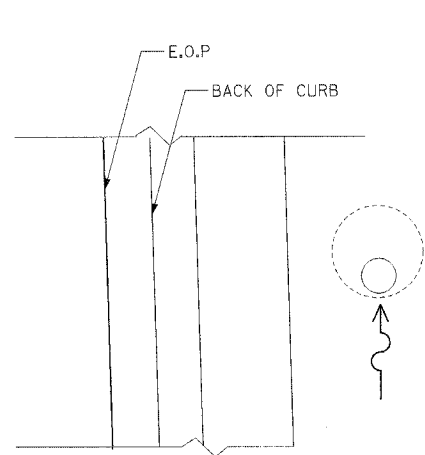
PLAN VIEW
MANHOLE WITH FLAT SLAB TOP IN PARKWAY



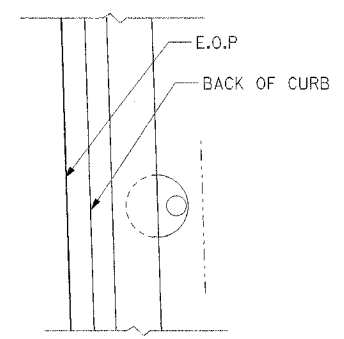
PLAN VIEW
FLARED END SECTION



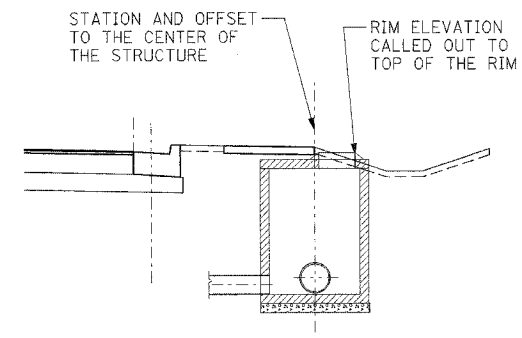
PLAN VIEW
JUNCTION CHAMBER



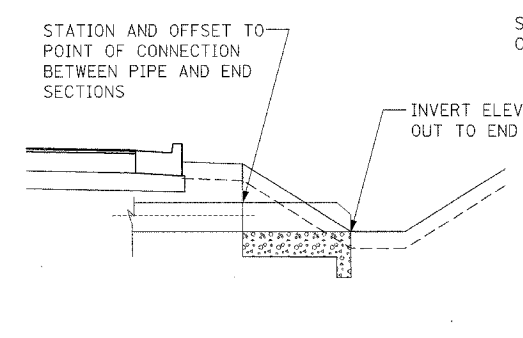
PLAN VIEW
CATCH BASIN IN DITCH



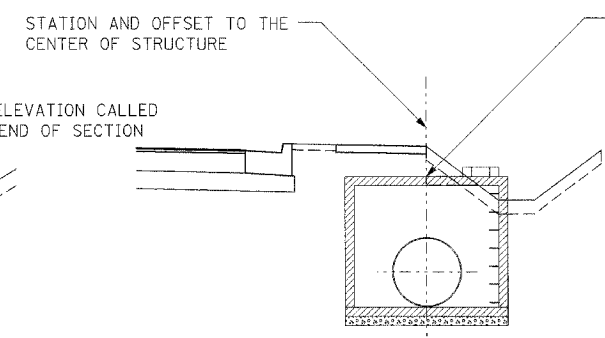
PLAN VIEW
MANHOLE WITH CONE SECTION IN PARKWAY



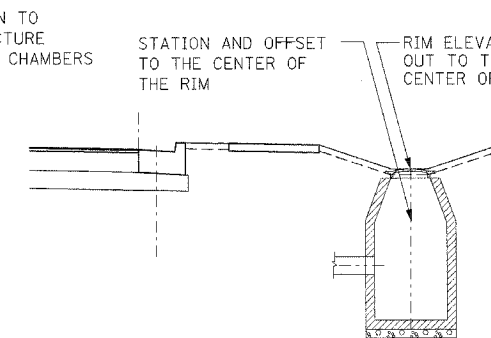
SECTION
MANHOLE WITH FLAT SLAB TOP IN PARKWAY



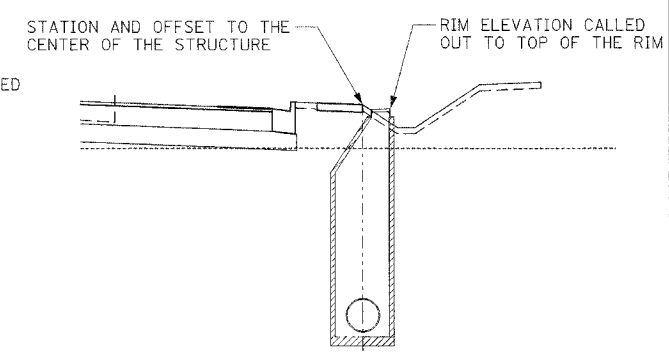
ELEVATION
FLARED END SECTION



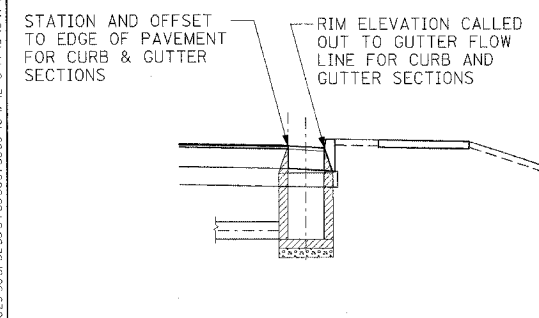
ELEVATION
JUNCTION CHAMBER



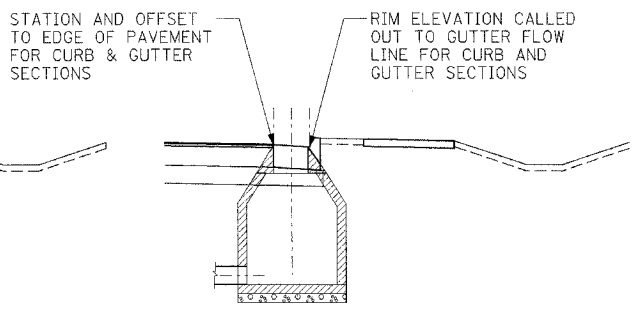
ELEVATION
CATCH BASIN IN DITCH



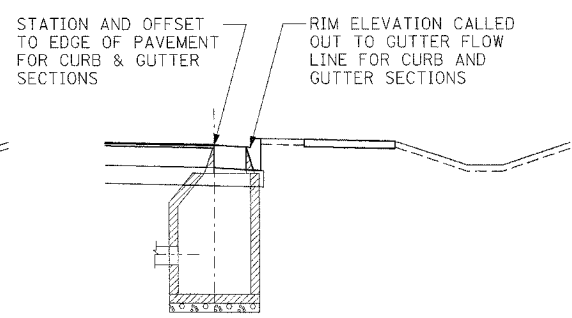
SECTION
MANHOLE WITH CONE SECTION IN PARKWAY



ELEVATION
INLET WITH CURB AND GUTTER



ELEVATION
MANHOLE WITH CURB AND GUTTER



ELEVATION
CATCH BASIN WITH CURB AND GUTTER

*ATTORNEY: DRACORPOL.DGN, *VSC0001.MXD, *VSC0001.K&DGN, *VSC0001.K&DGN
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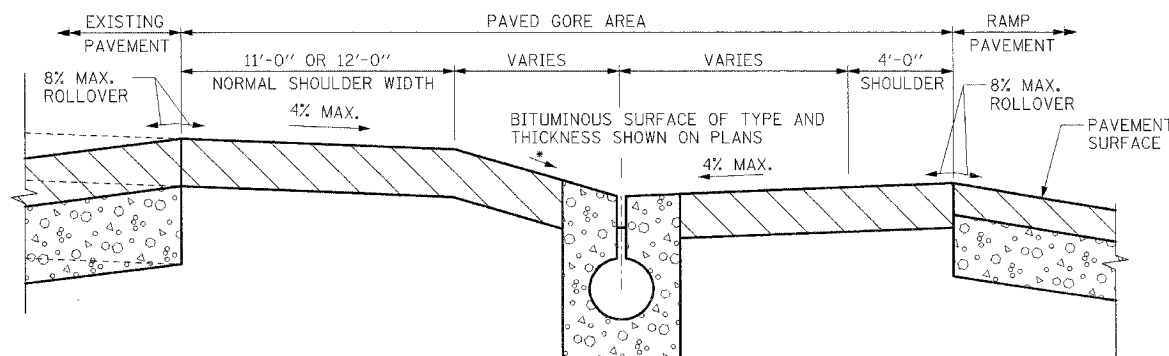
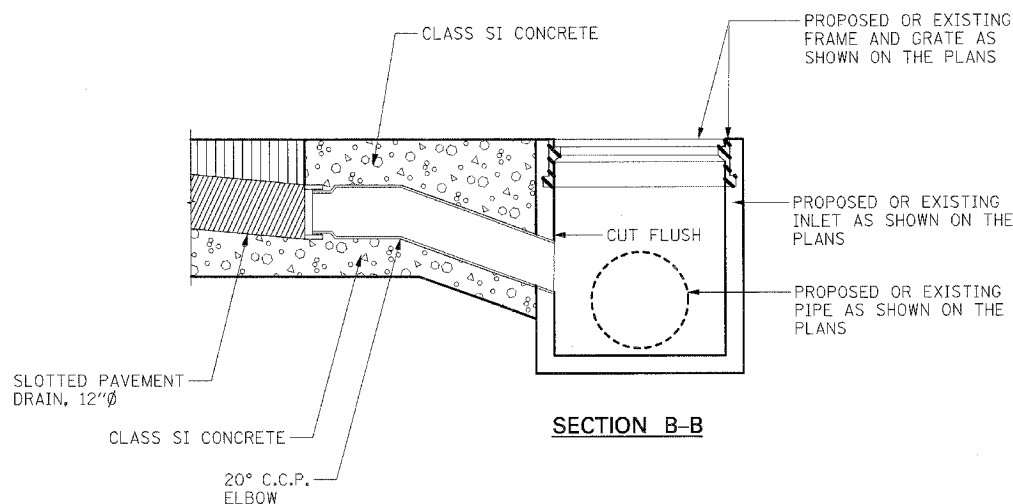
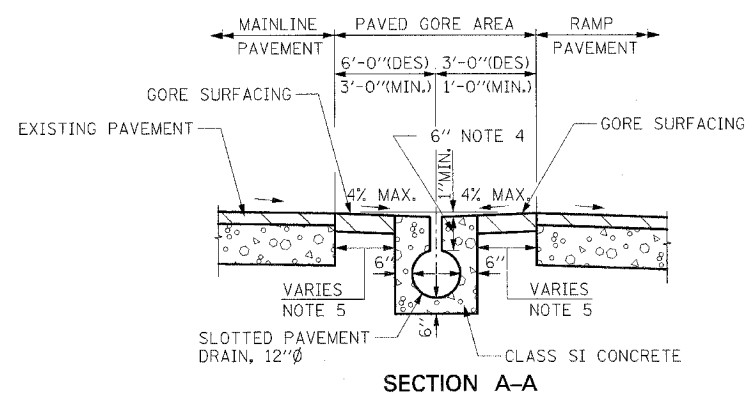
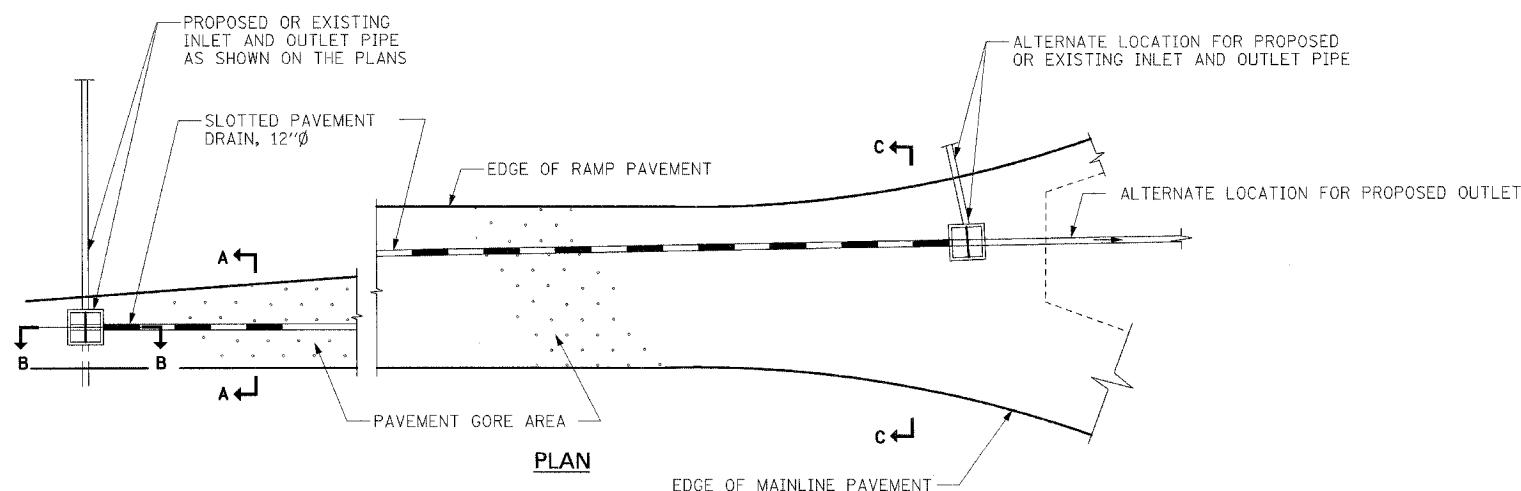
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-18114) R-2

DRAINAGE DETAILS IV
DRAINAGE STRUCTURE PLACEMENT

SCALE: N.T.S. DRAWN BY: MRK
 DATE: 03/14/08 CHECKED BY: TKL

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS ARCHITECTS PLANNERS
 300 N. MICHIGAN AVE. CHICAGO, IL 60610
 TELEPHONE 312.955.9999



• 10:1 MAXIMUM FOR NEW CONSTRUCTION
 4:1 MAXIMUM FOR REHABILITATION

NOTES

1. SLOTTED PAVEMENT DRAINS SHALL BE 12" DIA. 16 GAUGE, FULL BITUMINOUS COATED WITH PAVED INVERT UNLESS OTHERWISE SPECIFIED.
2. SLOTTED PAVEMENT DRAINS SHALL BE INSTALLED IN A CONTOURED TRENCH AND BACKFILLED WITH CLASS SI CONCRETE.
3. THE UPSTREAM END OF EACH SLOTTED PAVEMENT DRAIN, 12" DIA. INSTALLATION SHALL BE SEALED WITH A WELDED END PLATE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, UNLESS CONNECTED TO A DRAINAGE STRUCTURE.
4. DEPTH OF SLOT CAN BE VARIED FROM 6" MINIMUM TO 12" MAXIMUM TO INCREASE SLOPE OF PIPE AS DETAILED FOR EACH SITE.
5. WHEN THE CONCRETE ENCASEMENT FOR SLOTTED PAVEMENT DRAIN IS WITHIN 3 FEET OF THE PAVEMENT, REPLACE THE GORE SURFACING WITH CLASS SI CONCRETE 9 IN. DEPTH.
6. SLOTTED PAVEMENT DRAIN SHALL BE PAID AT THE CONTRACT UNIT PRICE FOOT FOR "SLOTTED DRAIN 12" WITH 2 1/2" SLOT." THIS PRICE SHALL INCLUDE ALL THE MATERIAL NECESSARY TO COMPLETE THE WORK AS SHOWN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2

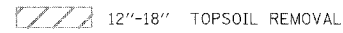
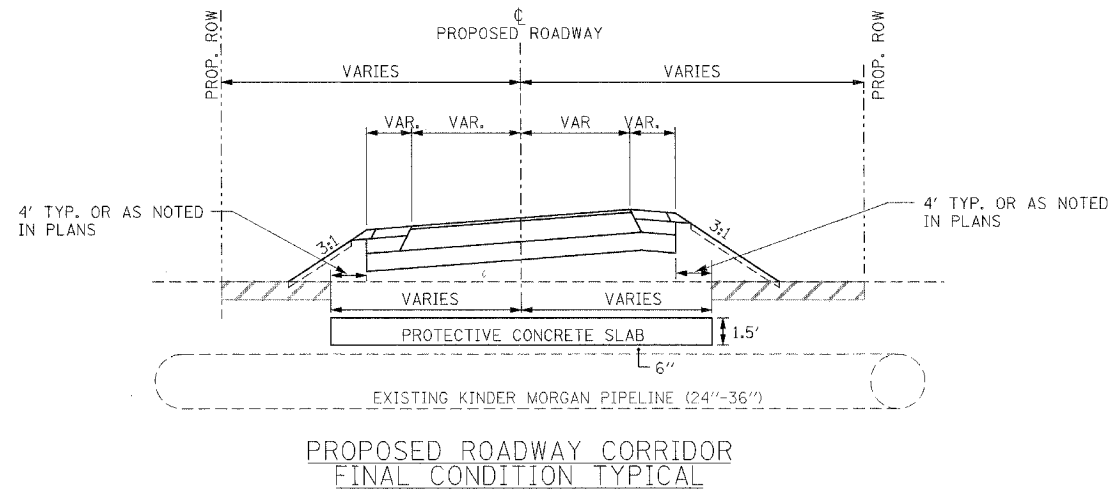
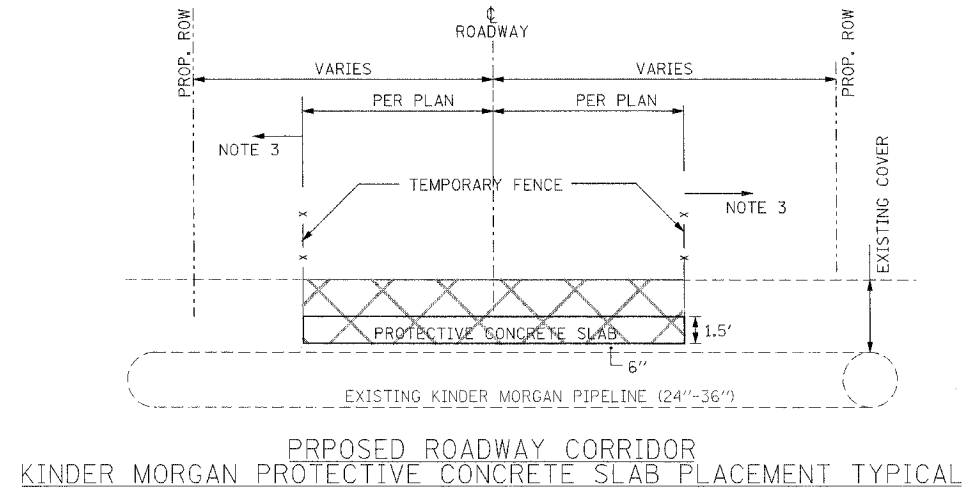
**DRAINAGE DETAILS V
 SLOTTED DRAIN DETAIL**

SCALE: N.T.S. DRAWN BY: MRK
 DATE: 03/14/08 CHECKED BY: TKL

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 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 300 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE: 312.681.8000

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F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	WILL		608	415
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		



NOTES:

1. PROTECTIVE SLAB FOR THE 6 EXISTING KINDER MORGAN PIPELINE SHALL BE CONSTRUCTED AT THE LOCATIONS AS NOTED IN THE PLANS AND PER KINDER MORGAN STANDARD DETAIL STD-32-D3. CONSTRUCTION SHALL ADHERE TO THE NGPL GUIDELINES DOCUMENT. NOTE THAT THE OPTIONAL BACKFILL WITH CEMENT STABILIZED SAND IS NOT REQUIRED FOR THIS APPLICATION. TRENCH BACKFILL SHALL BE USED TO BACKFILL OVER THE PROPOSED PROTECTIVE SLAB UP TO THE EXISTING GROUND ELEVATION. AN ALTERNATE DETAIL 32-D2 CAN BE UTILIZED WITH THE APPROVAL OF KINDER MORGAN.
2. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO OPERATE DIRECTLY OVER KM PIPELINES EXCEPT AT AREAS WITH PROTECTIVE CONCRETE SLABS IN PLACE, OR AT THE DISCRETION OF THE KM REPRESENTATIVE.
3. THE AREAS WITHIN THE EXISTING ROW WITHOUT PROTECTIVE CONCRETE SLAB SHALL BE STAKED AND FENCED OFF DURING CONSTRUCTION SO NO CONSTRUCTION VEHICLES OR MACHINERY CAN DRIVE OR OPERATE IN THESE AREAS WITHOUT THE PERMISSION AND/OR SUPERVISION OF A KM REPRESENTATIVE. SOIL COMPACTION OVER UNPROTECTED KM PIPELINES IS ACCEPTABLE, HOWEVER, THE EQUIPMENT UTILIZED FOR THIS WORK MUST BE SUITABLE FOR WORK OVER UNPROTECTED PIPELINES. SUCH COMPACTION EQUIPMENT WILL BE SUBJECT TO KINDER MORGAN APPROVAL. SHEEPSFOOT OR OTHER UNAPPROVED VIBRATORY DEVICES WILL NOT BE ALLOWED OVER UNPROTECTED KM PIPELINES. A KM REPRESENTATIVE WILL BE ON SITE FOR COORDINATION.
3. IF TOPSOIL IS DISTURBED ABOVE EXISTING KM PIPELINES BEFORE CONCRETE SLABS ARE CONSTRUCTED, APPROPRIATE CRANE MATS MUST BE IN PLACE AT THE SATISFACTION OF THE KM REPRESENTATIVE BEFORE CONSTRUCTION VEHICLES MAY DRIVE OVER THOSE AREAS.
4. POWER EQUIPMENT UTILIZED FOR EXCAVATION WILL NOT BE ALLOWED WITHIN 18" OF EXISTING PIPELINES.
5. THE CONTRACTOR SHALL FOLLOW THE "GUIDELINES FOR DESIGN AND CONSTRUCTION NEAR KINDER MORGAN OPERATED FACILITIES" AND "PROTECTIVE SLAB FOR EXISTING PIPELINES" STD-32-D3 IN THE SPECIAL PROVISIONS.

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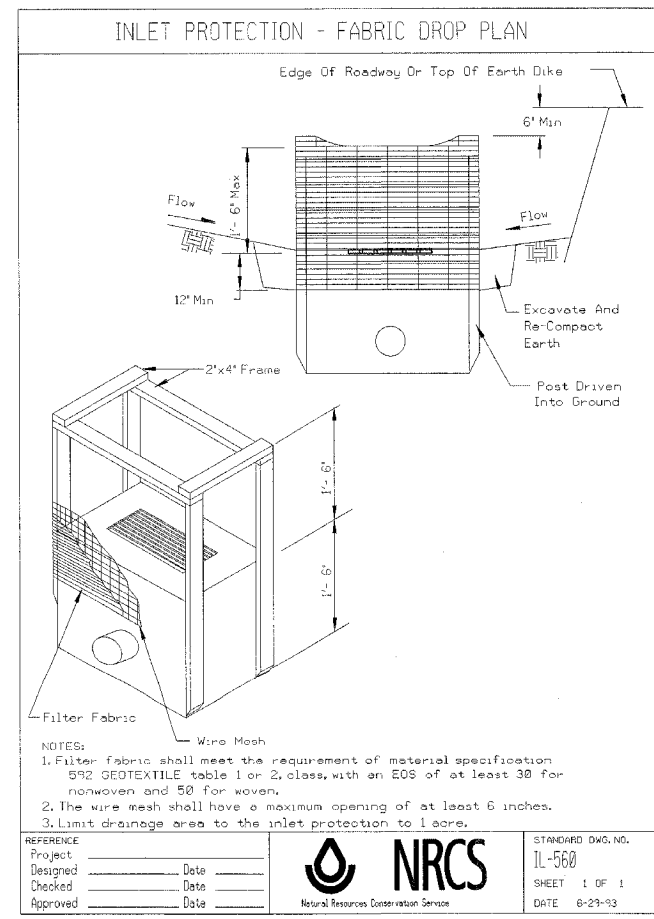
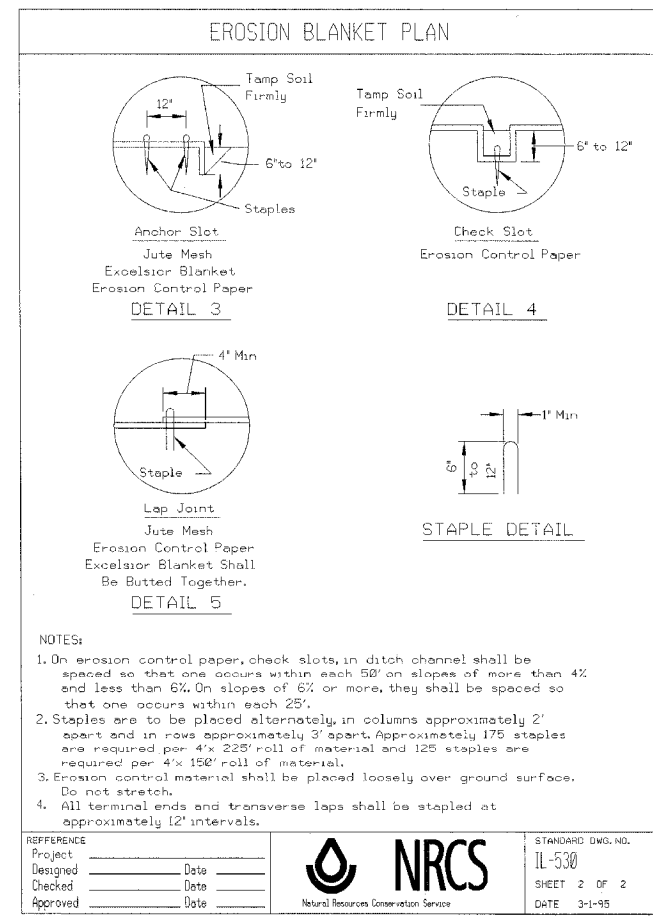
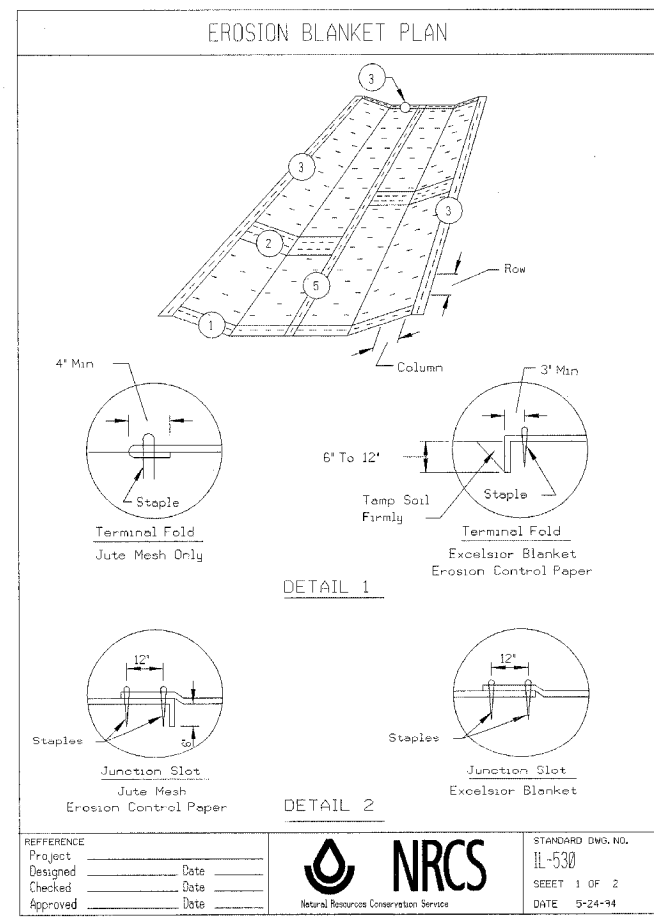
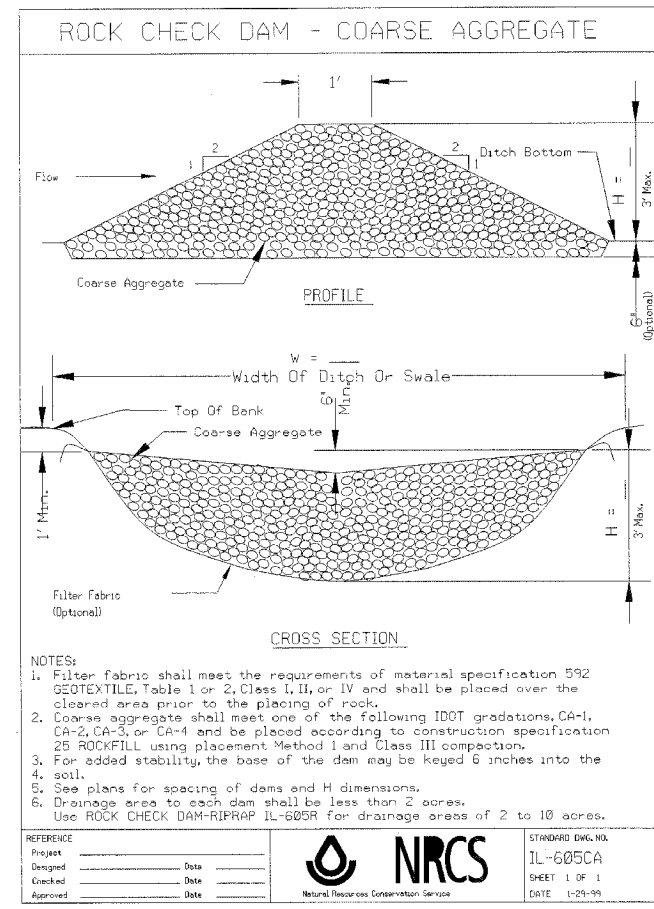
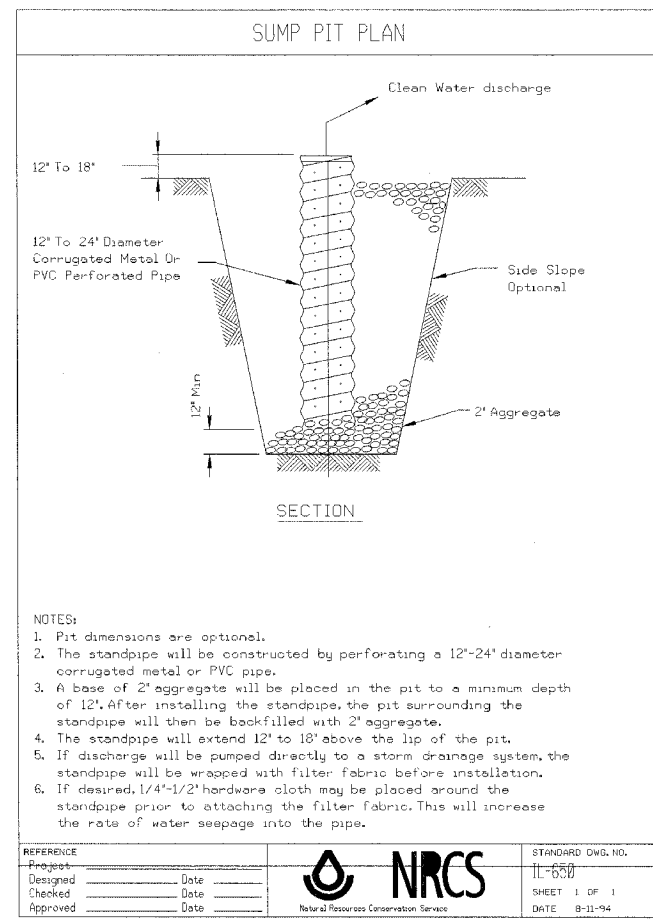
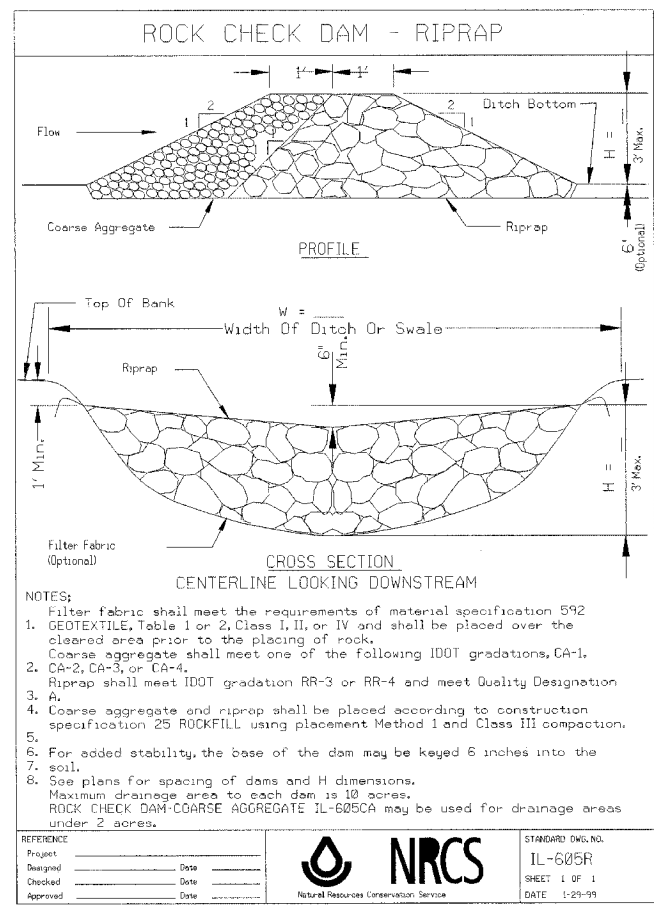
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2
DRAINAGE DETAILS VI
KINDER MORGAN DETAILS

SCALE: N.T.S. DRAWN BY: JB
 DATE: 03/14/08 CHECKED BY: ACL

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 TENG & ASSOCIATES, INC.
 ENGINEERS ARCHITECTS PLANNERS
 308 N. MICHIGAN AVE. CHICAGO, IL 60610
 TELEPHONE: 312.644.6000

F.A.I. RTE. 55	SECTION *	COUNTY WILL	TOTAL SHEETS 608	SHEET NO. 417
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26, 26HB-1&114) R-2 CONTRACT NO. 60363				



REVISIONS	
NAME	DATE

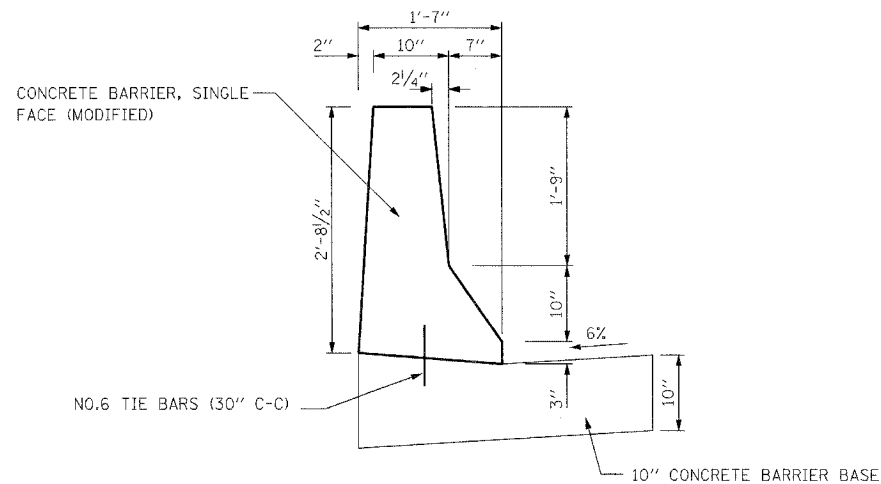
ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1&114) R-2
EROSION CONTROL DETAILS
WILL COUNTY DETAILS

SCALE: _____ DRAWN BY: MRK
DATE: 03/14/08 CHECKED BY: TKL

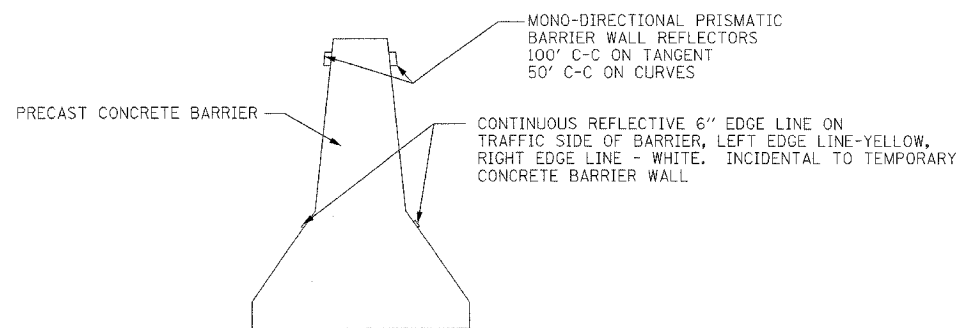
TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
305 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312.636.4000

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	420
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		



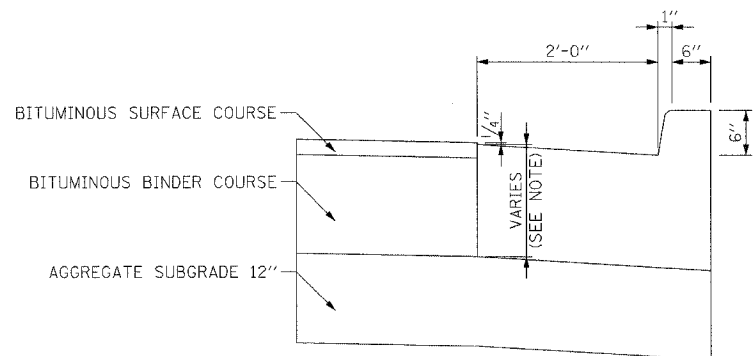
CONCRETE BARRIER, SINGLE FACE (MODIFIED) AND CONCRETE BARRIER BASE



SECTION TEMPORARY CONCRETE BARRIER

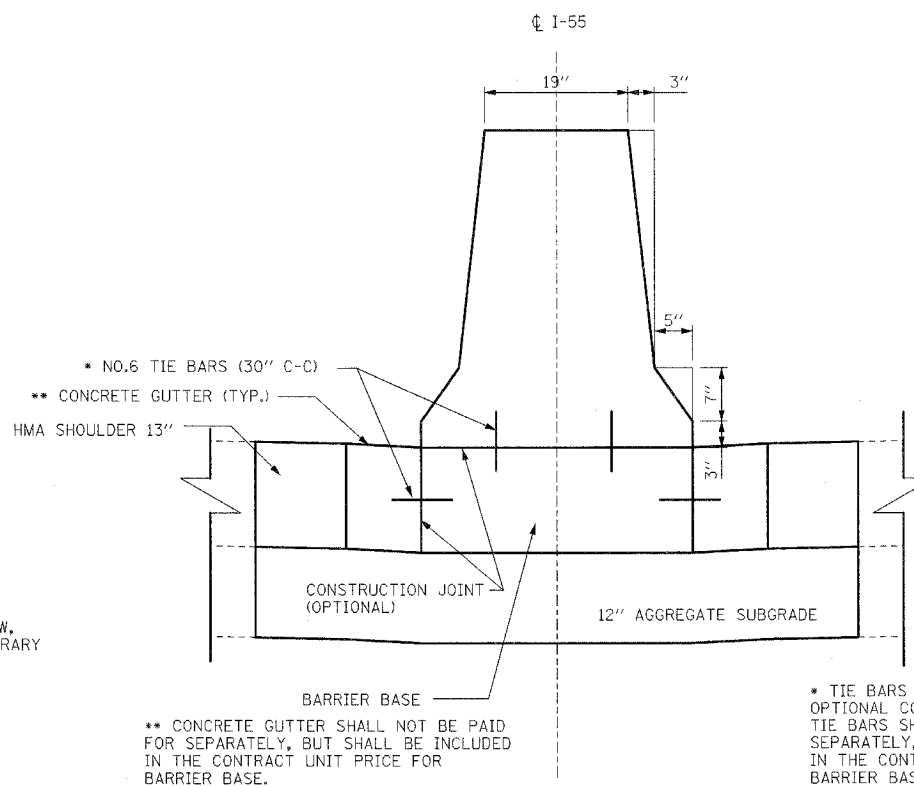
THE YELLOW OR WHITE REFLECTIVE PAINT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER (STATE OWNED).

THE YELLOW OR WHITE REFLECTIVE PAINT WILL BE REPAINTED AS REQUIRED AND SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.



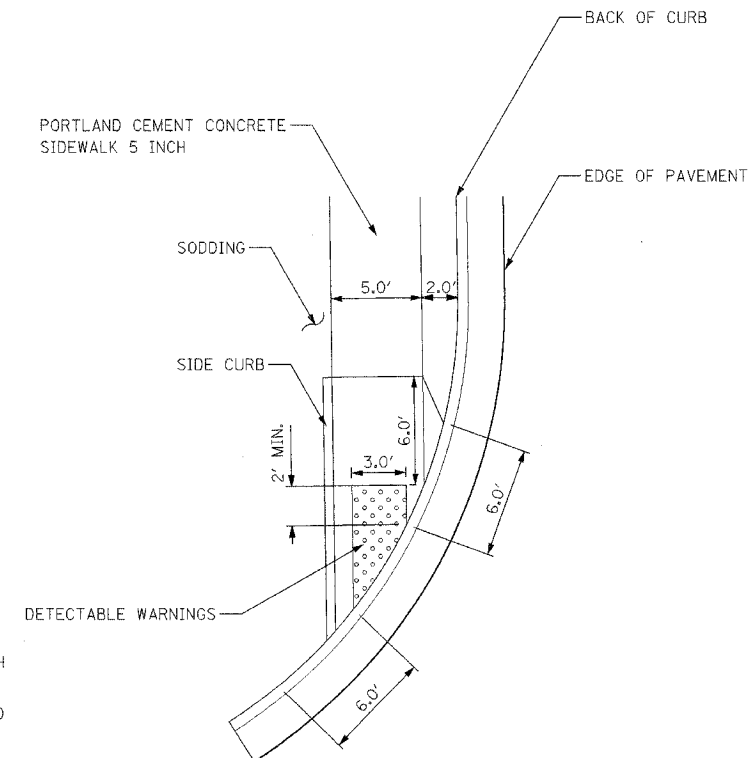
CONCRETE CURB AND GUTTER B6.24 SPECIAL

NOTE: MINIMUM CURB THICKNESS SHALL BE DETERMINED BY THE DEPTH OF THE FULL DEPTH BITUMINOUS PAVEMENT.

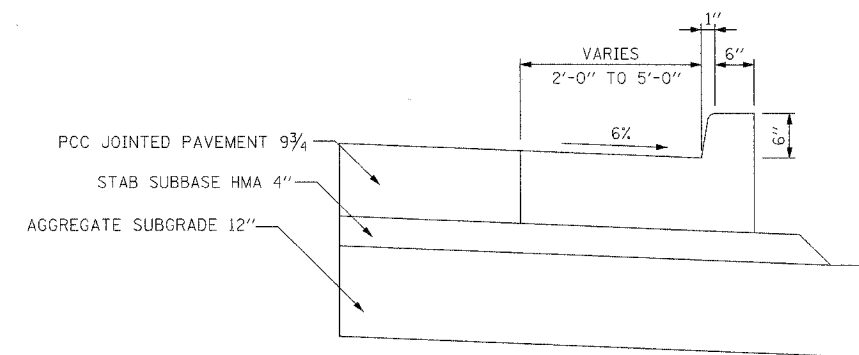


CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT AND CONCRETE BARRIER BASE

* TIE BARS ARE ONLY REQUIRED WITH OPTIONAL CONSTRUCTION JOINT. TIE BARS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR BARRIER BASE.

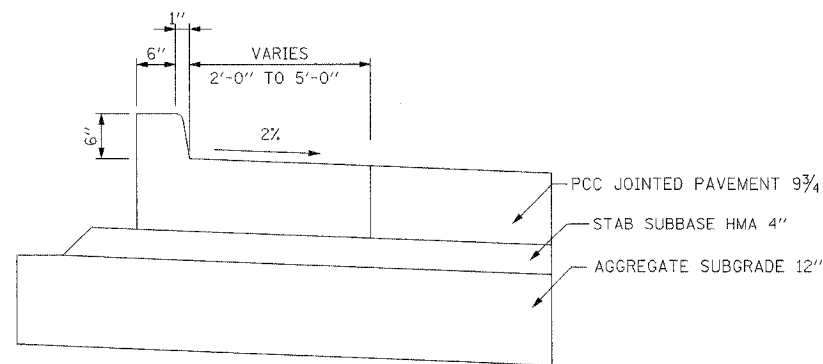


CURB RAMP FOR SIDEWALK DETAIL



CONCRETE CURB AND GUTTER B6.24 SPECIAL

STA. 8033+35.77 TO 8033+85.77



CONCRETE CURB AND GUTTER B6.24 SPECIAL

STA. 8031+60.77 TO 8031+85.79

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2
ROADWAY DETAILS

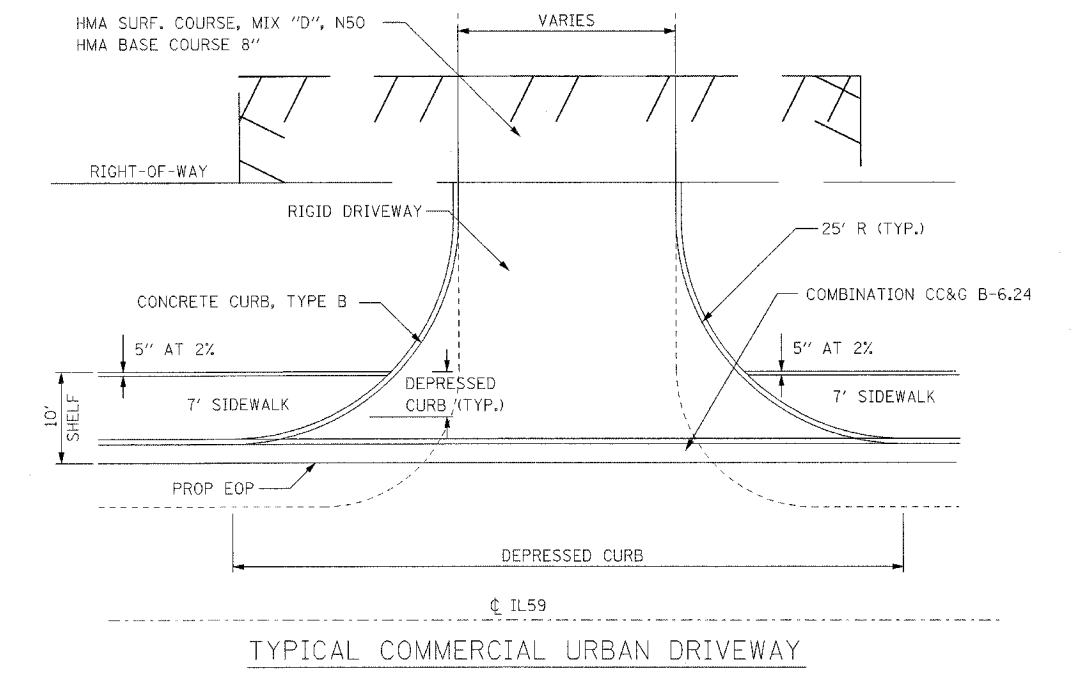
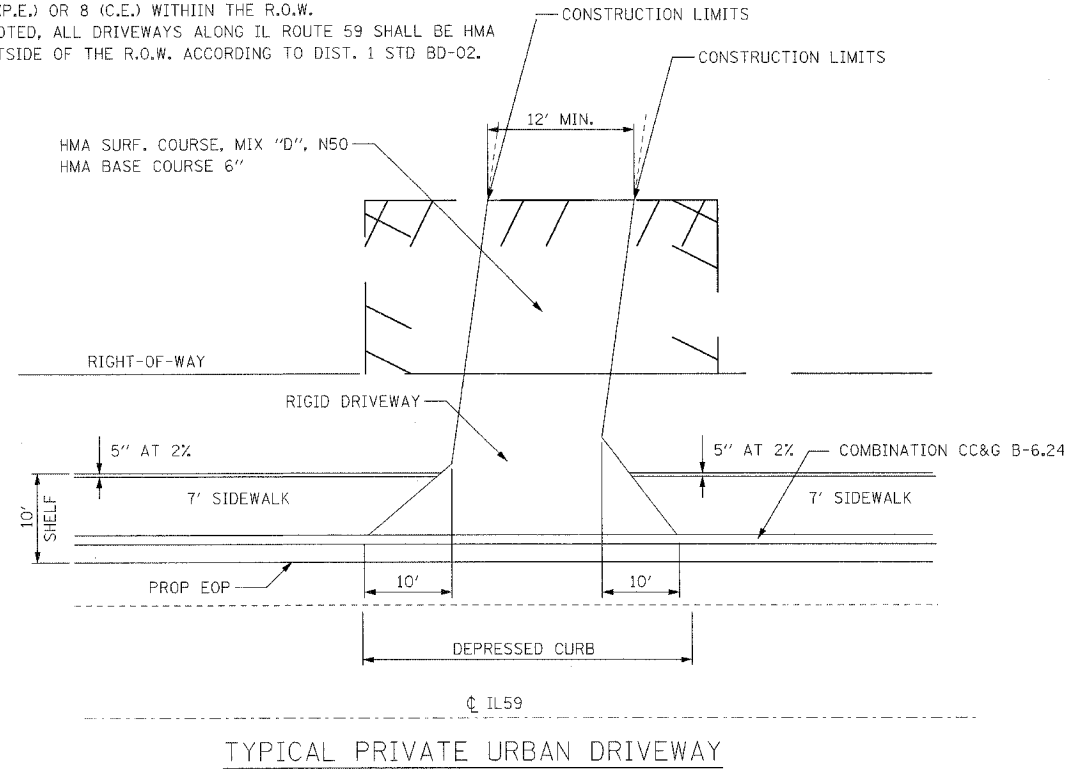
SCALE: _____ DRAWN BY: JB
 DATE: 03/14/08 CHECKED BY: ACL

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS ARCHITECTS PLANNERS
 202 N. SOUTHWALK AVE. CHICAGO, IL 60601
 TELEPHONE: 312.966.4000

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ALL DRIVEWAYS ALONG IL ROUTE 59 SHALL BE PCC DRIVEWAY PAVEMENT 6 (P.E.) OR 8 (C.E.) WITHIN THE R.O.W. EXCEPT AS NOTED, ALL DRIVEWAYS ALONG IL ROUTE 59 SHALL BE HMA DRIVEWAY OUTSIDE OF THE R.O.W. ACCORDING TO DIST. 1 STD BD-02.

DRIVEWAY SCHEDULE											
ROAD	STATION	OFF	USE	PAVEMENT	EXIST WIDTH	PROP WIDTH	RADIUS	CONSTRUCTION LIMITS STA./OFF.			
IL ROUTE 59	7498+58.68	RT	CE	PCC	31.0	33.2	25'	7498+21.49	75.56' RT	7498+73.89	74.11' RT
IL ROUTE 59	7499+10.72	RT	PE	PCC	18.0	12.0	10'	7498+87.05	73.68' RT	7499+23.61	72.46' RT
IL ROUTE 59	7500+05.82	RT	PE	PCC/HMA	7.0	12.0	N/A	7499+94.32	78.12' RT	7500+06.63	77.71' RT
IL ROUTE 59	7501+06.09	RT	PE	PCC/HMA	11.0	12.0	N/A	7501+00.09	95.67' RT	7501+12.09	95.24' RT
IL ROUTE 59	7502+18.03	RT	CE	PCC/HMA	18.0	35.0	25'	7502+00.53	96.30' RT	7502+35.53	95.14' RT
IL ROUTE 58	7504+20.67	RT	CE	PCC/HMA	40.0	24.0	25'	7504+08.67	95.75' RT	7504+32.67	95.73' RT
IL ROUTE 59	7504+68.67	RT	CE	PCC/HMA	40.0	24.0	25'	7504+56.67	95.72' RT	7504+80.67	95.70' RT
IL ROUTE 59	7506+25.34	RT	CE	PCC/HMA	23.1	23.1	25'	7506+13.79	86.75' RT	7506+36.89	86.75' RT
IL ROUTE 59	7509+14.80	RT	CE	PCC	33.0	34.0	25'	7508+97.80	60.00' RT	7509+31.80	60.00' RT
IL ROUTE 59	7512+33.75	RT	CE	PCC/HMA	54.0	54.0	25'	7512+06.75	83.00' RT	7512+60.75	82.84' RT
IL ROUTE 59	7517+25.99	RT	PE	PCC	11.0	12.0	N/A	7517+20.04	62.59' RT	7517+31.94	62.91' RT
IL ROUTE 59	7519+42.52	RT	PE	PCC	13.2	13.2	N/A	7519+35.87	69.14' RT	7519+49.17	69.43' RT
IL ROUTE 59	7483+91.66	LT	CE	PCC/HMA	20.7	24.7	25'	7483+79.29	94.00' LT	7484+04.03	94.00' LT
IL ROUTE 59	7486+66.41	LT	CE	PCC/HMA	19.7	26.0	30'	7486+52.10	86.04' LT	7486+80.73	87.07' LT
IL ROUTE 59	7487+89.53	LT	PE	PCC/HMA	6.0	12.0	N/A	7487+83.53	66.32' LT	7487+95.53	66.32' LT
IL ROUTE 59	7489+06.44	LT	PE	PCC	8.0	12.0	N/A	7489+00.44	50.06' LT	7489+12.44	50.06' LT
IL ROUTE 59	7489+46.78	LT	PE	PCC	22.3	22.3	N/A	7489+35.60	50.05' LT	7489+57.95	50.04' LT
IL ROUTE 59	7505+23.00	LT	PE	PCC/HMA	19.4	19.4	N/A	7505+13.29	53.93' LT	7505+32.72	53.93' LT
IL ROUTE 59	7505+97.63	LT	PE	PCC/HMA	11.0	12.0	N/A	7505+91.63	62.16' LT	7506+14.38	62.22' LT
IL ROUTE 59	7506+25.12	LT	PE	PCC/HMA	10.5	12.0	N/A	7506+18.95	62.23' LT	7506+31.29	62.23' LT
IL ROUTE 59	7506+79.04	LT	PE	PCC/HMA	19.6	19.6	N/A	7506+69.22	62.35' LT	7506+88.86	62.40' LT
IL ROUTE 59	7507+54.59	LT	PE	PCC/HMA	10.0	12.0	N/A	7507+48.60	83.55' LT	7507+68.98	83.60' LT
IL ROUTE 59	7508+32.99	LT	PE	PCC/HMA	11.1	12.7	N/A	7508+26.57	76.75' LT	7508+46.52	76.80' LT
IL ROUTE 59	7509+09.47	LT	PE	PCC/HMA	9.2	12.0	N/A	7508+96.80	73.98' LT	7509+20.80	73.98' LT
IL ROUTE 59	7509+94.29	LT	PE	PCC/HMA	12.2	16.4	N/A	7509+86.08	61.15' LT	7510+02.51	61.19' LT
IL ROUTE 59	7510+68.65	LT	PE	PCC/HMA	17.6	19.2	N/A	7510+59.05	58.33' LT	7510+78.26	58.38' LT
IL ROUTE 59	7511+43.88	LT	PE	PCC	10.0	12.0	N/A	7511+37.89	53.53' LT	7511+49.89	53.56' LT
IL ROUTE 59	7512+26.29	LT	PE	PCC	17.1	17.4	N/A	7512+17.60	53.73' LT	7512+34.98	53.77' LT
IL ROUTE 59	7517+17.17	LT	PE	PCC	8.8	12.0	N/A	7517+11.13	48.39' LT	7517+23.21	48.09' LT
SEIL ROAD	3997+76.17	RT	PE	HMA	10.7	10.7	N/A	3997+70.81	25.70' LT	3997+81.54	25.74' LT
SEIL ROAD	4000+92.91	RT	PE	HMA	11.5	11.5	N/A	4000+87.15	26.85' LT	4000+98.67	27.03' LT
SEIL ROAD	4004+22.24	RT	CE	HMA	24.0	24.0	10'	4004+10.24	29.17' RT	4004+34.24	29.06' RT
SEIL ROAD	4005+27.00	RT	CE	HMA	36.4	36.0	10'	4005+09.01	40.73' RT	4005+45.01	40.57' RT
SEIL ROAD	4006+27.60	RT	PE	HMA	10.9	12.0	10'	4006+21.60	45.23' RT	4006+33.60	45.17' RT
SEIL ROAD	4007+09.13	RT	PE	HMA	17.9	17.9	10'	4006+99.49	42.88' RT	4007+18.77	42.79' RT
SEIL ROAD	4008+07.25	RT	PE	HMA	22.9	22.9	10'	4007+95.82	54.45' RT	4008+18.67	54.35' RT
SEIL ROAD	4012+12.85	RT	CE	HMA	10.2	35.0	10'	4011+95.36	60.00' RT	4012+30.36	60.00' RT
SEIL ROAD	4012+34.26	LT	CE	HMA	23.2	23.2	10'	4012+22.69	47.45' LT	4012+45.84	47.55' LT
EAST FRONTAGE ROAD	6502+66.86	RT	FE	HMA	11.3	12.0	10'	6502+60.55	33.79' RT	6502+72.91	33.71' RT
EAST FRONTAGE ROAD	6524+26.19	RT	FE	HMA	9.7	12.0	10'	6524+20.01	31.86' RT	6524+32.37	31.80' RT
EAST FRONTAGE ROAD	6528+92.77	RT	FE	HMA	13.7	13.7	10'	6528+85.87	40.26' RT	6528+99.71	40.22' RT



- NOTES:
- ALL DRIVEWAYS SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD BD-02 AND THE LATEST EDITION OF THE HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS.
 - FIELD ENTRANCES SHALL BE CONSTRUCTED WITH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 AND 8" AGGREGATE BASE COURSE, TYPE B (SY).

REVISIONS	
NAME	DATE

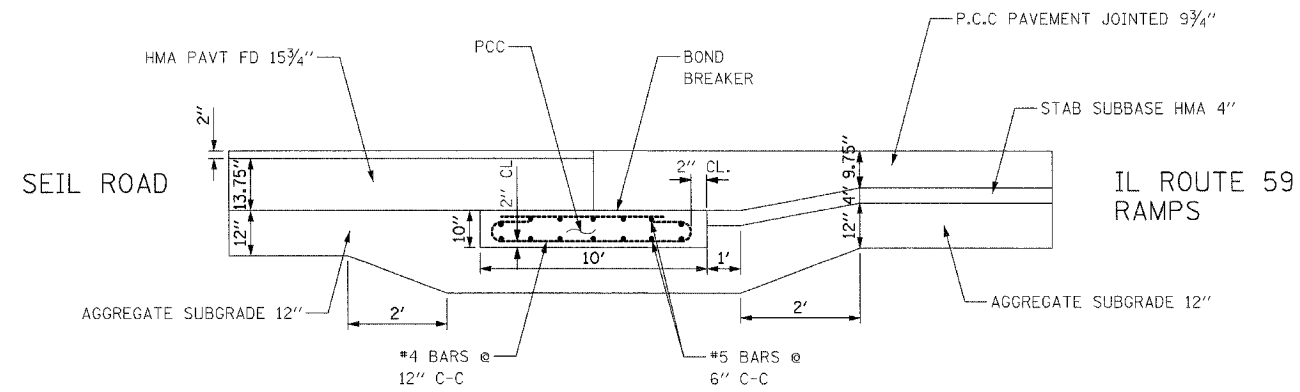
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2
DRIVEWAY INVENTORY
DRIVEWAY DETAILS

SCALE: _____ DRAWN BY: JB
 DATE: 03/14/08 CHECKED BY: ACL

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 300 N. MICHIGAN AVE. CHICAGO, IL 60610
 TELEPHONE: 312.644.8800

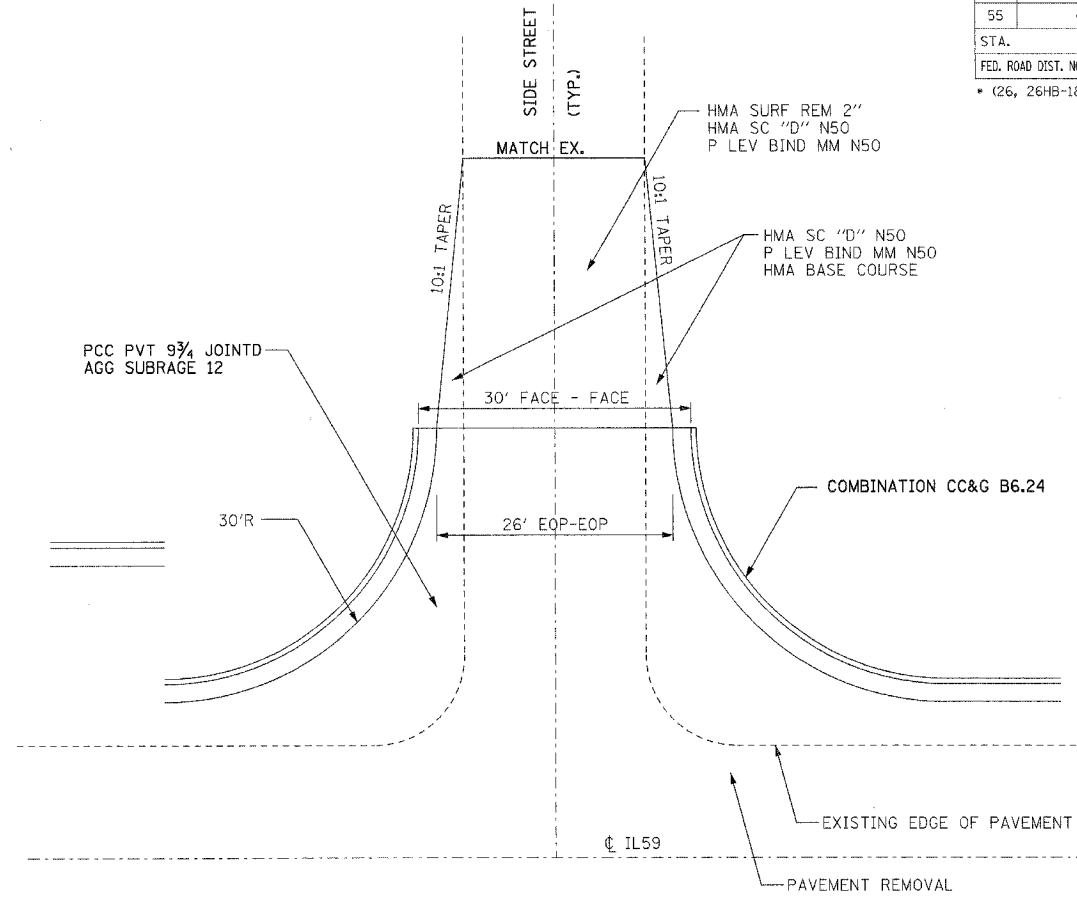
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		WILL	608	422
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
(26, 26HB-1&114) R-2		CONTRACT NO. 60363		

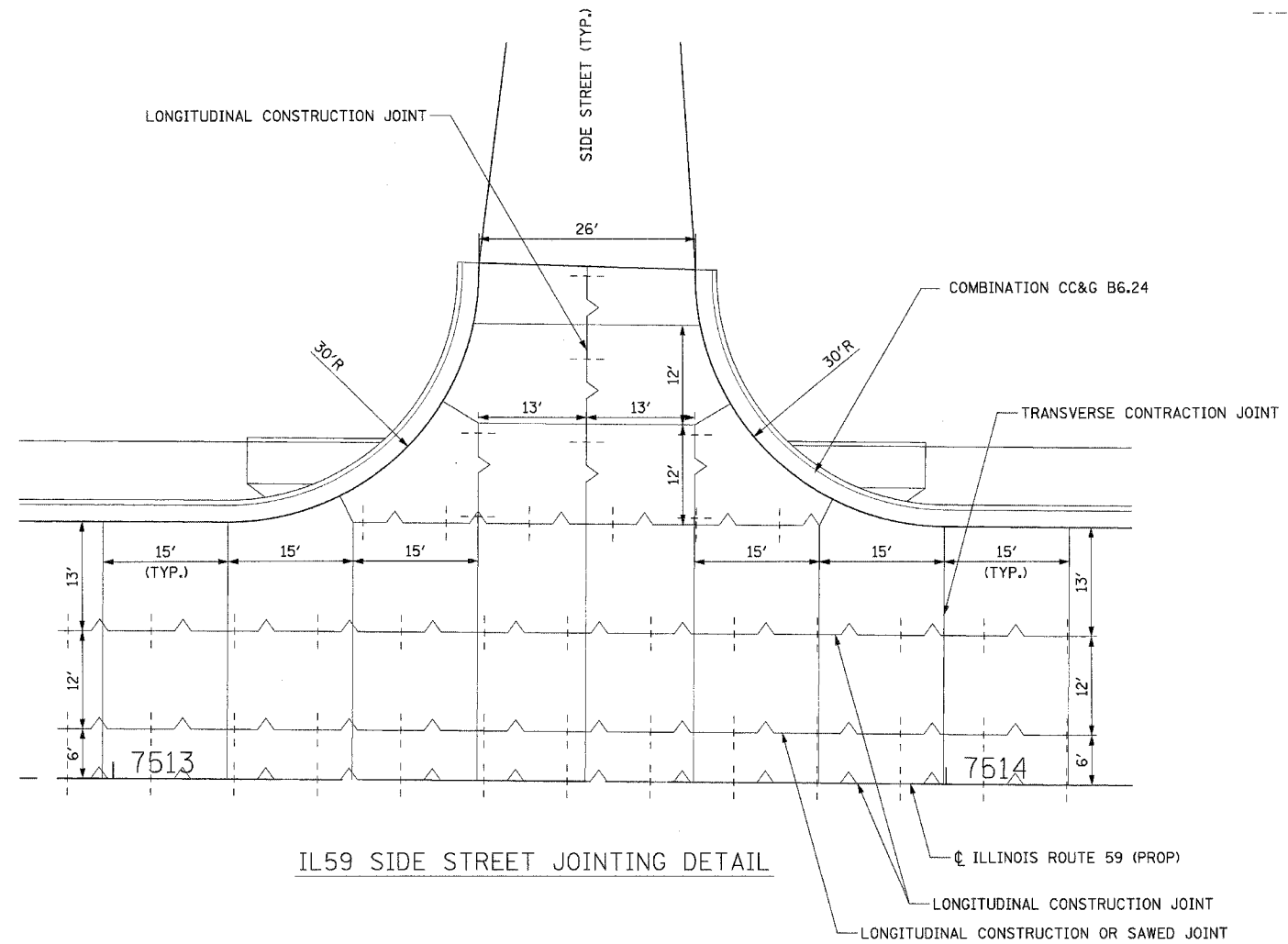


SLEEPER SLAB DETAIL

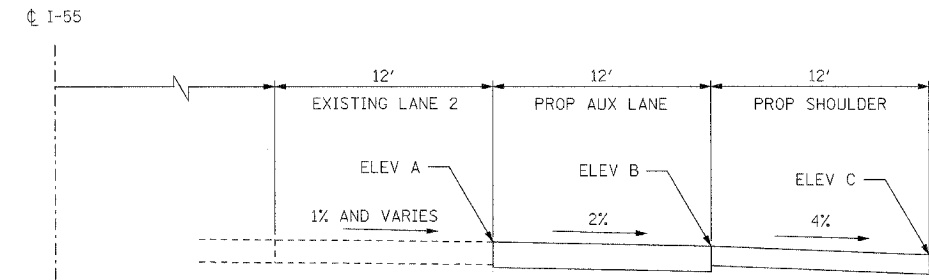
- NOTES:
1. THE SLEEPER SLAB SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR "SLEEPER SLAB" WHICH PRICE SHALL INCLUDE FURNISHING AND PLACING PC CONCRETE, REINFORCEMENT, BOND BREAKER, DOWEL BARS AS SHOWN.
 2. ALL REINFORCEMENT AND DOWEL BARS SHALL BE EPOXY COATED AND SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS.
 3. THE THICKENED EDGE OF ADJOINING PAVEMENT SHALL BE INCIDENTAL TO PCC PAVEMENT OF THE THICKNESS SPECIFIED.



IL59 SIDE STREET DETAIL



IL59 SIDE STREET JOINTING DETAIL



CONTRACTOR LAYOUT OF I-55 AUXILIARY LANE ELEVATIONS

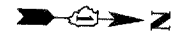
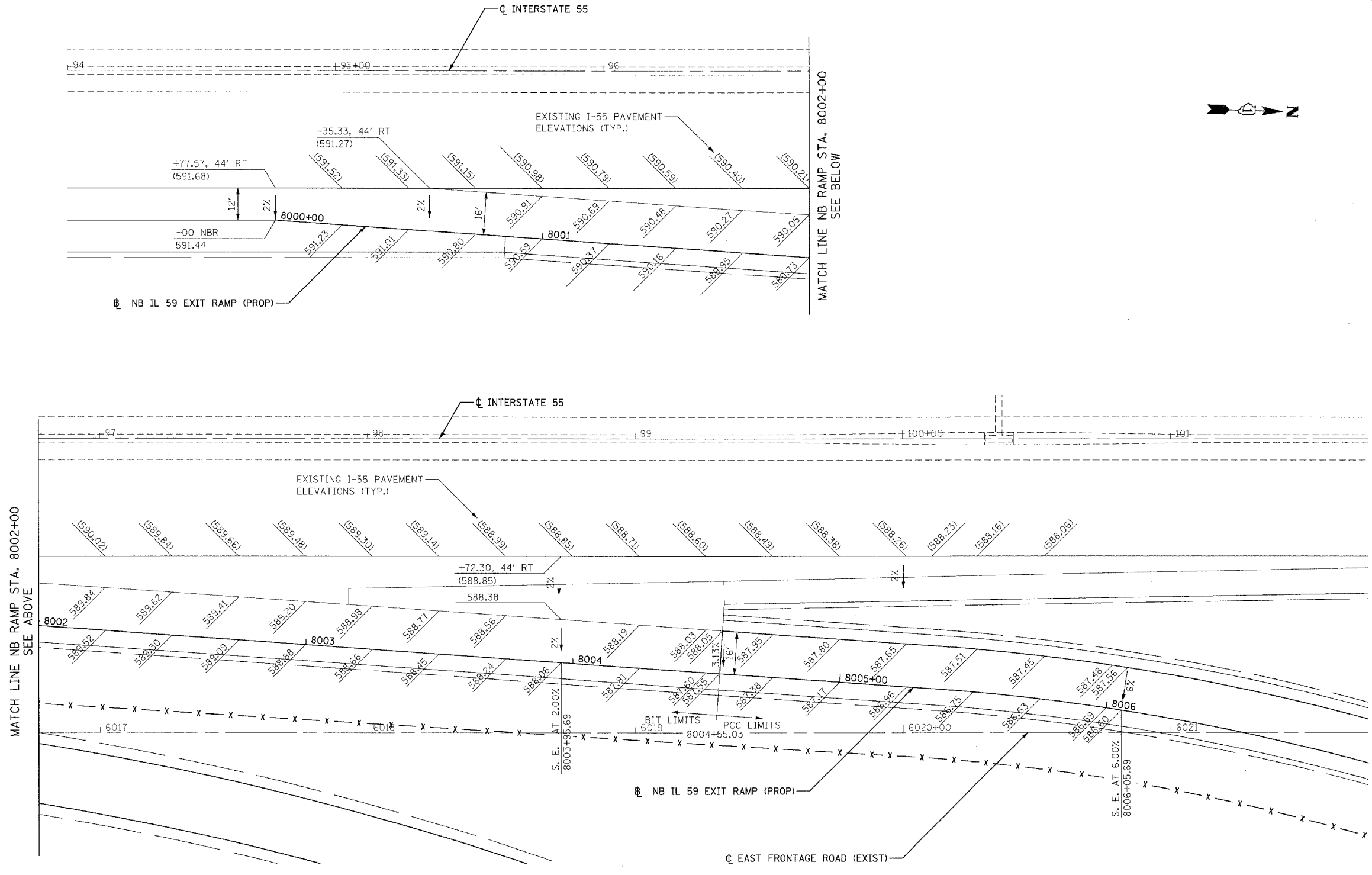
1. CONTRACTOR SHALL LAY OUT EXISTING OUTSIDE EDGE OF PAVEMENT ELEVATION (ELEV A)
2. OUTSIDE EDGE OF PROPOSED AUXILIARY LANE (ELEV B) SHALL BE (ELEV A - 12' X 0.02)
3. OUTSIDE EDGE OF PROPOSED SHOULDER LANE (ELEV C) SHALL BE (ELEV B - 12' X 0.04)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2
ROADWAY DETAILS
SIDESTREETS & AUX LANES & SLEEPER SLAB
 SCALE: N/A DRAWN BY: JB
 DATE: 03/14/08 CHECKED BY: ACL
TENG
TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 215 N. ROCKFORD AVE. ROCKFORD, IL 61101
 TEL: 815/398-0000

BONDHULLO
 3-14-2008 10:53:49
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	423
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		



\\ALTOOL5.DGN, \\TTBOORNDGN, \\SUIROUSE.DGN, \\EXHOORLDGN, \\VRAOOL.CADGN, \\ALTOOL5.DGN, \\RWOORHLDGN, \\SUIROUSE.DGN, \\VRAOOL.CADGN, \\RWOORZLDGN
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 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 AT FAP 338 ILLINOIS ROUTE 59
 SECTION: (26, 26HB-1&114) R-2

ROADWAY DETAIL NB EXIT RAMP GRADING

SCALE: 1"=20'
 DATE: 03/14/08

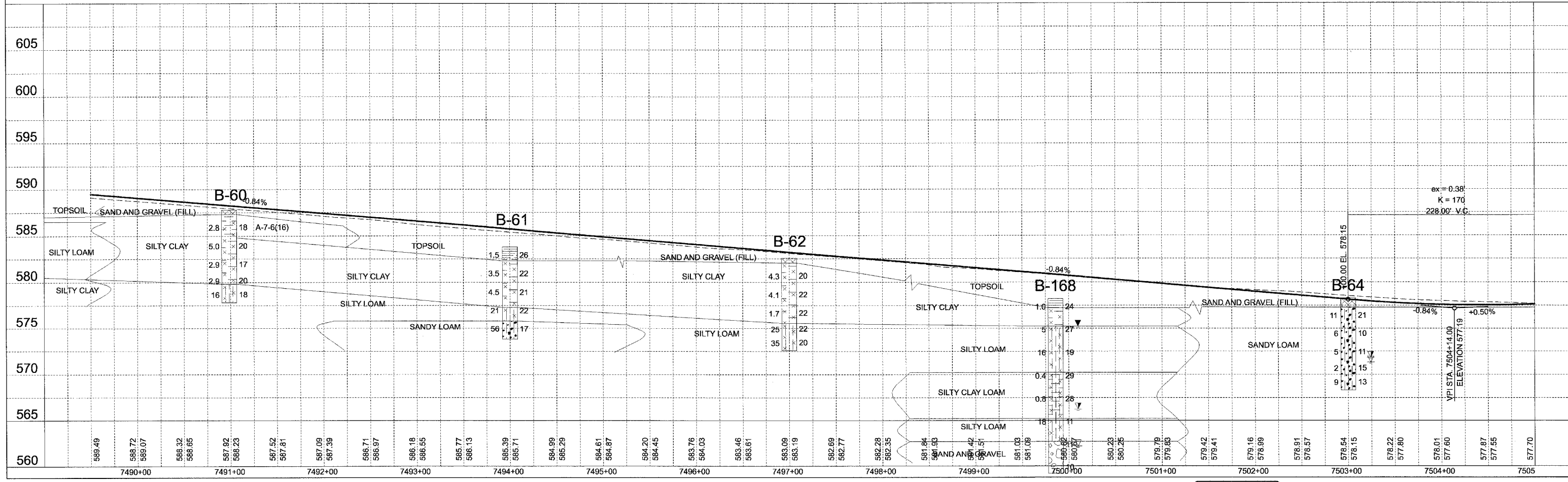
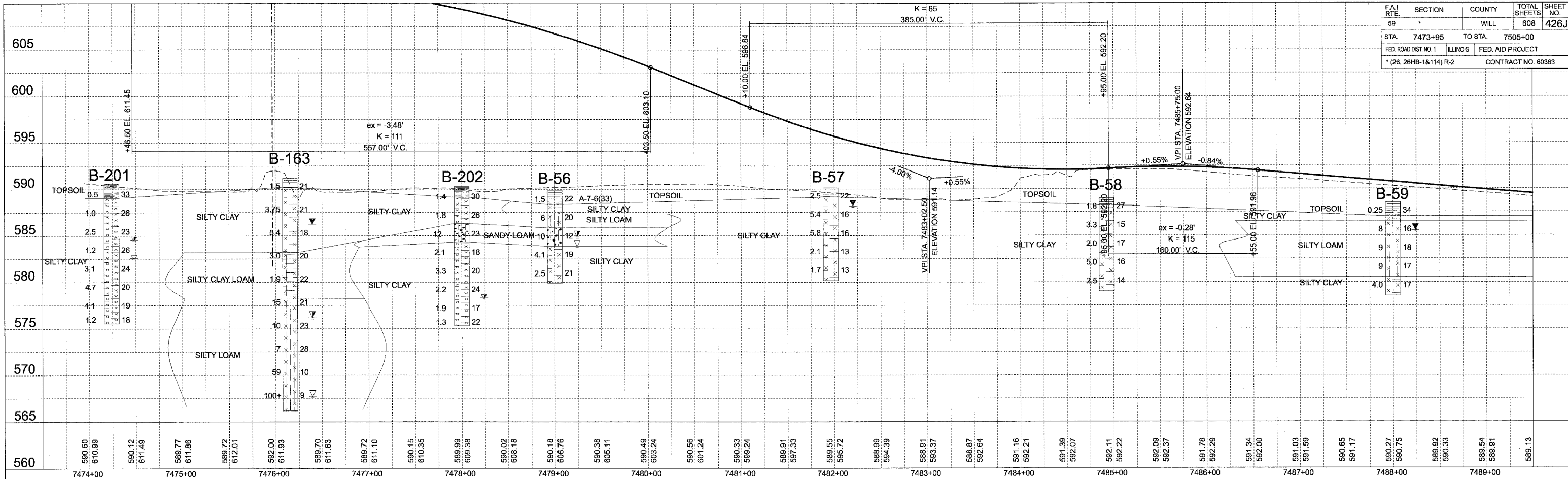
DRAWN BY: JB
 CHECKED BY: ACL

TENG
TENG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS
 200 N. MICHIGAN AVE. CHICAGO, IL 60601
 TELEPHONE 312.581.8900

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59		WILL	608	426J
STA. 7473+95		TO STA. 7505+00		
FED. ROAD DIST. NO. 1		ILLINOIS		
		FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN	SUBMITTED	DATE
NOTE BOOK	BY	
NO.		

PROFILE	DESIGNED	DATE
NOTE BOOK	BY	
NO.		



SCALE VERT. 1" = 5'
HORIZ. 1" = 50'

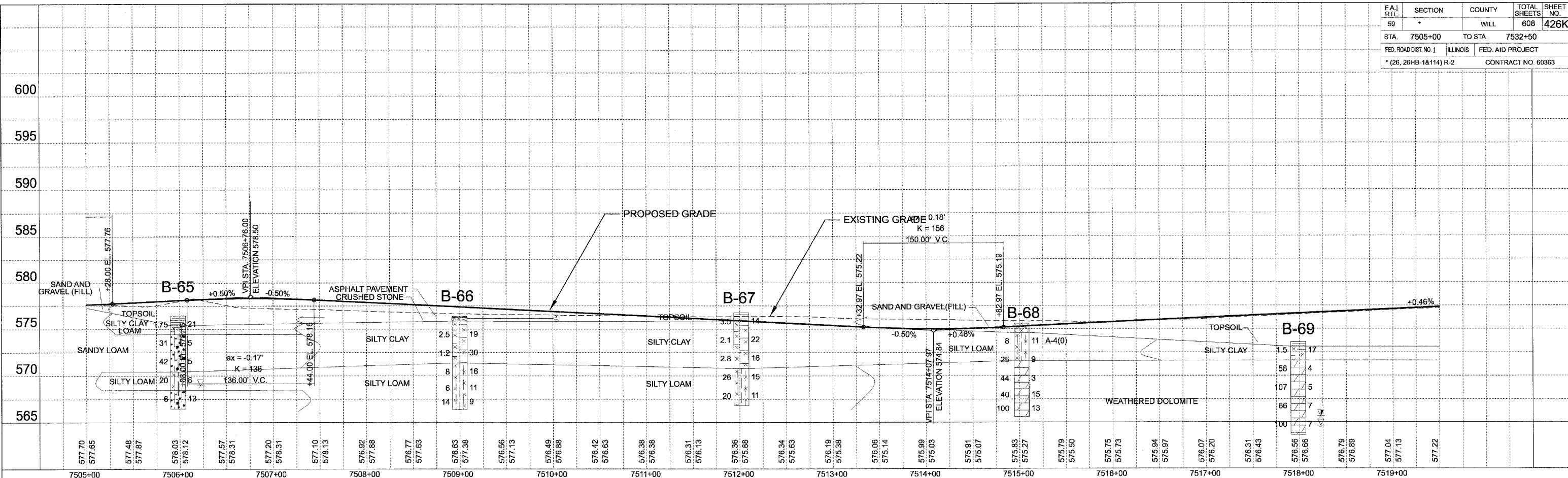
ILLINOIS ROUTE 59 ROADWAY PROFILE



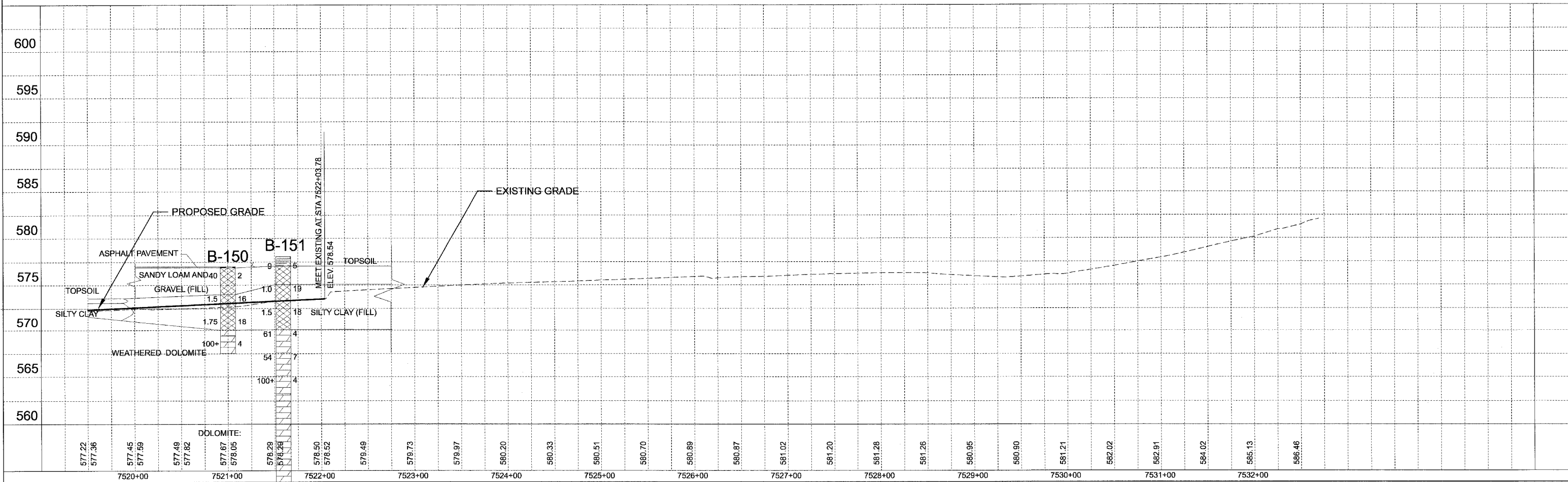
STA 7473+95 TO 7505+00

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	426K
STA. 7505+00		TO STA. 7532+50		
FED. ROAD DIST. NO. J		ILLINOIS		FED. AID PROJECT
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN	DRAWN BY	DATE
	BY	
	DATE	
	NO.	
	NO.	
	NO.	



PROFILE	DRAWN BY	DATE
	BY	
	DATE	
	NO.	
	NO.	
	NO.	



SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

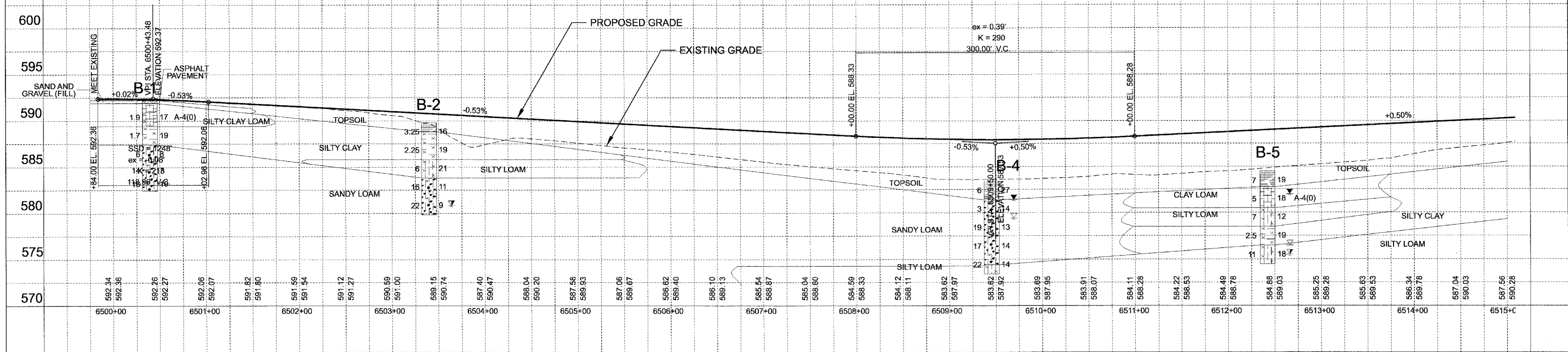
ILLINOIS ROUTE 59 ROADWAY PROFILE



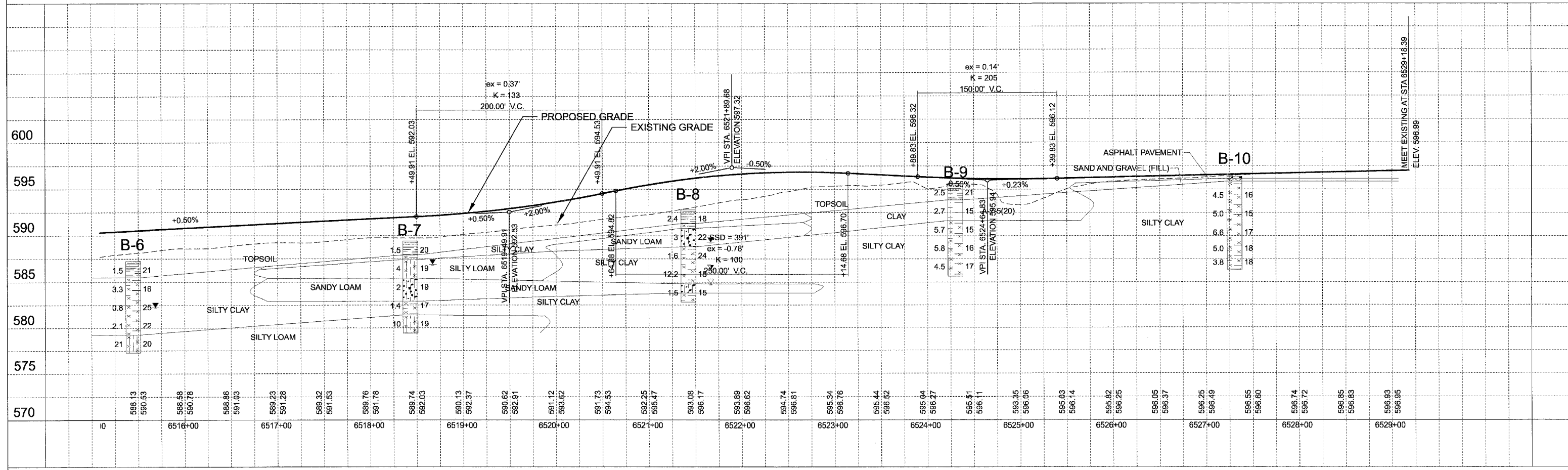
STA 7505+00 TO 7532+50

FA.I 59	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	608	426A
STA. 6500+00	TO STA. 6529+18.39			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (26. 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NO.	
	CADD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NO.	



SCALE: VERT. 1" = 5'
HORIZ. 1" = 50' EAST FRONTAGE RD ROADWAY PROFILE



STA 6500 TO 6529+18.39

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	426L
STA. 1000+00		TO STA. 1016+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 26HB-1BR AND 114R-1		CONTRACT NO. 60363		

PROP. CURVE TENGRAR-1
 PI STA. = 1004+54.31
 I = 61° 00' 32" (LT)
 D = 25° 27' 53"
 R = 225.00'
 T = 132.56'
 L = 239.58'
 E = 36.15'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1003+21.75
 P.T. STA. = 1005+61.33

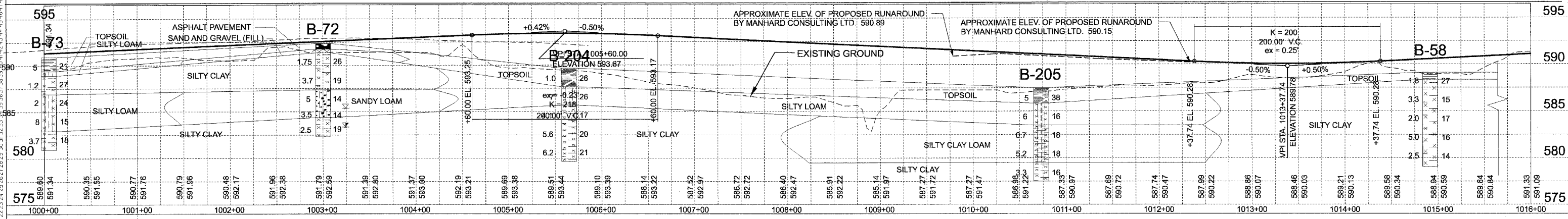
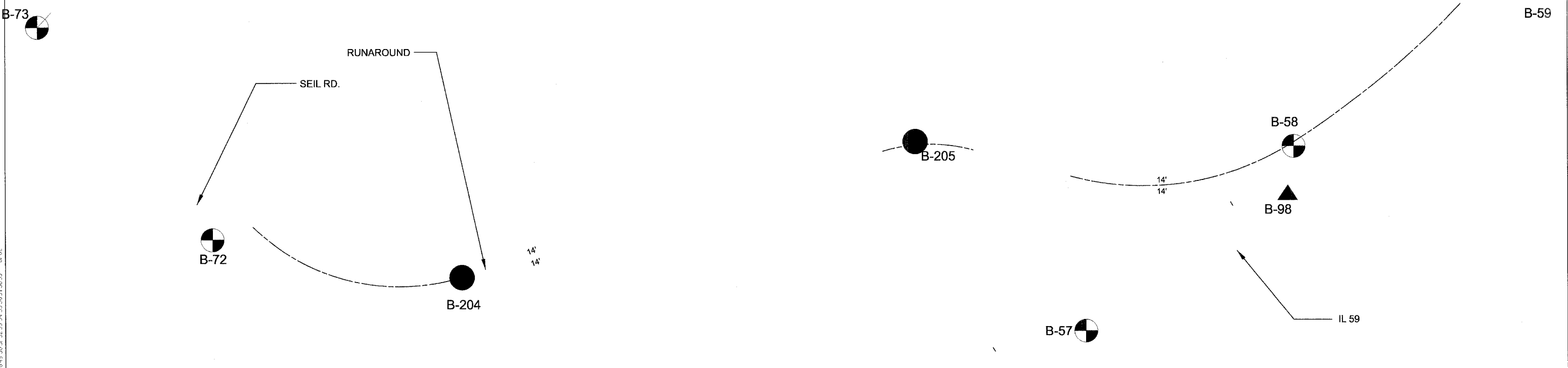
PROP. CURVE TENGRAR-2
 PI STA. = 1010+88.16
 I = 31° 48' 25" (RT)
 D = 32° 11' 19"
 R = 178.00'
 T = 50.72'
 L = 98.81'
 E = 7.08'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1010+37.45
 P.T. STA. = 1011+36.26

PROP. CURVE TENGRAR-3
 PI STA. = 1013+79.13
 I = 48° 12' 41" (LT)
 D = 19° 05' 55"
 R = 300.00'
 T = 134.23'
 L = 252.43'
 E = 28.66'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1012+44.90
 P.T. STA. = 1014+97.33

PROP. CURVE TENGRAR-4
 PI STA. = 1016+13.71
 I = 13° 41' 49" (LT)
 D = 5° 54' 46"
 R = 969.00'
 T = 116.38'
 L = 231.65'
 E = 6.96'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 1014+97.33
 P.T. STA. = 1017+28.98

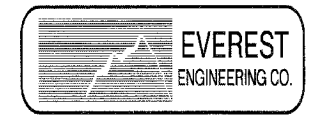
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SURVEYED	
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CHECKED	
BY	
NO.	
FILE NAME	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	
FILE NAME	



LEGEND

- BORING LOCATION (2002)
- BORING LOCATION (2007)
- ▲ CORE LOCATION (2002)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 59 AT F.A.P. 338 ILLINOIS ROUTE 59

TEMPORARY RUNAROUND
 BORING/CORING PLAN AND SOIL PROFILE

SCALE: VERT. 1" = 50'
 HORIZ. DATE: 05/17/2007

DRAWN BY: _____
 CHECKED BY: _____

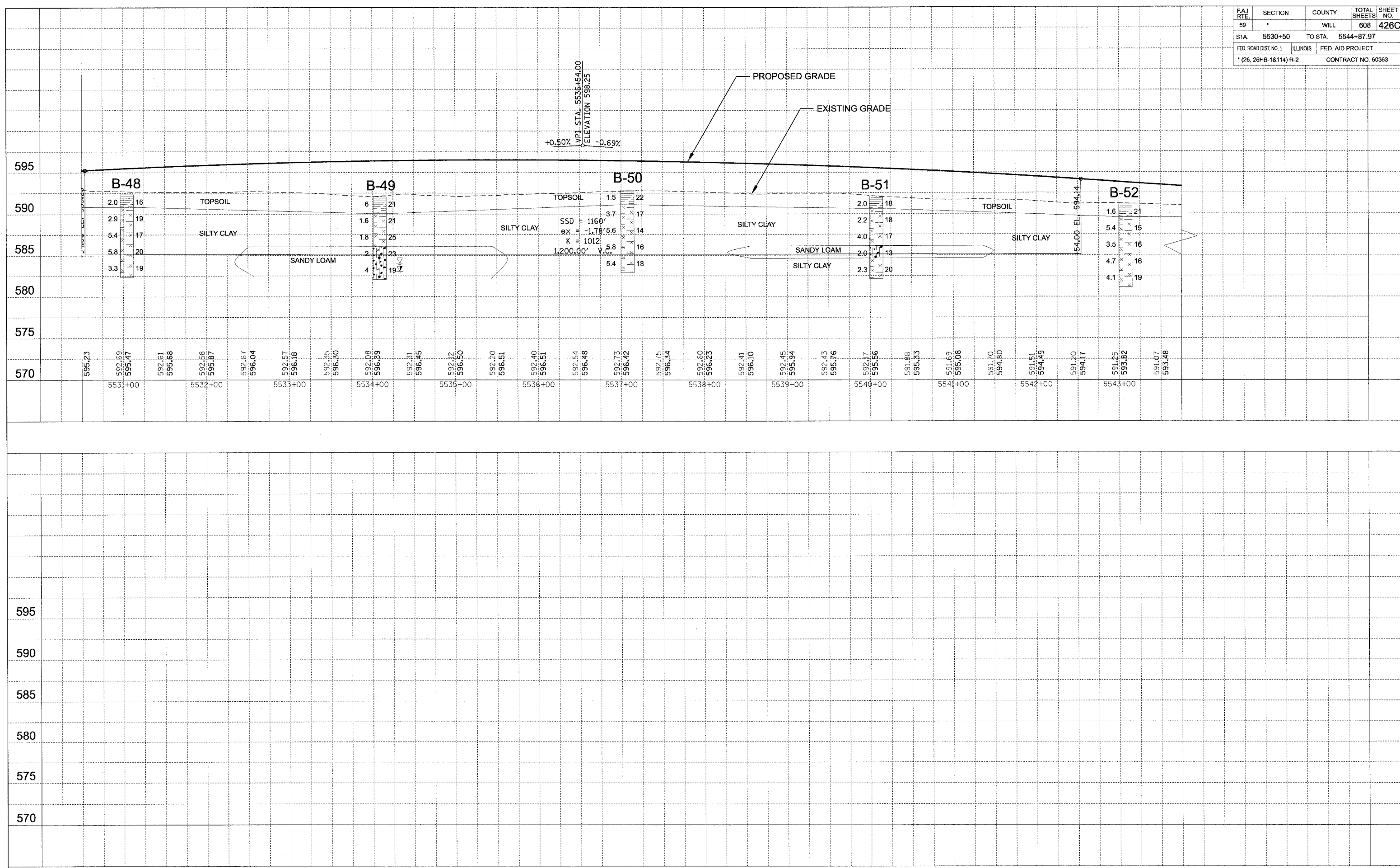
TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 235 N. MICHIGAN AVE. CHICAGO, IL 60601
 TEL: (312) 621-2000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	426C
STA. 5530+50		TO STA. 5544+87.97		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN
 SURVEYED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 ALIGNMENT CHECKED BY: _____
 RT. OF WAY CHECKED BY: _____
 CADD FILE NAME: _____

PROFILE
 SURVEYED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 B.M. NOTED BY: _____
 STRUCTURE NOTING CHKD BY: _____



SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

WEST FRONTAGE ROAD ROADWAY PROFILE

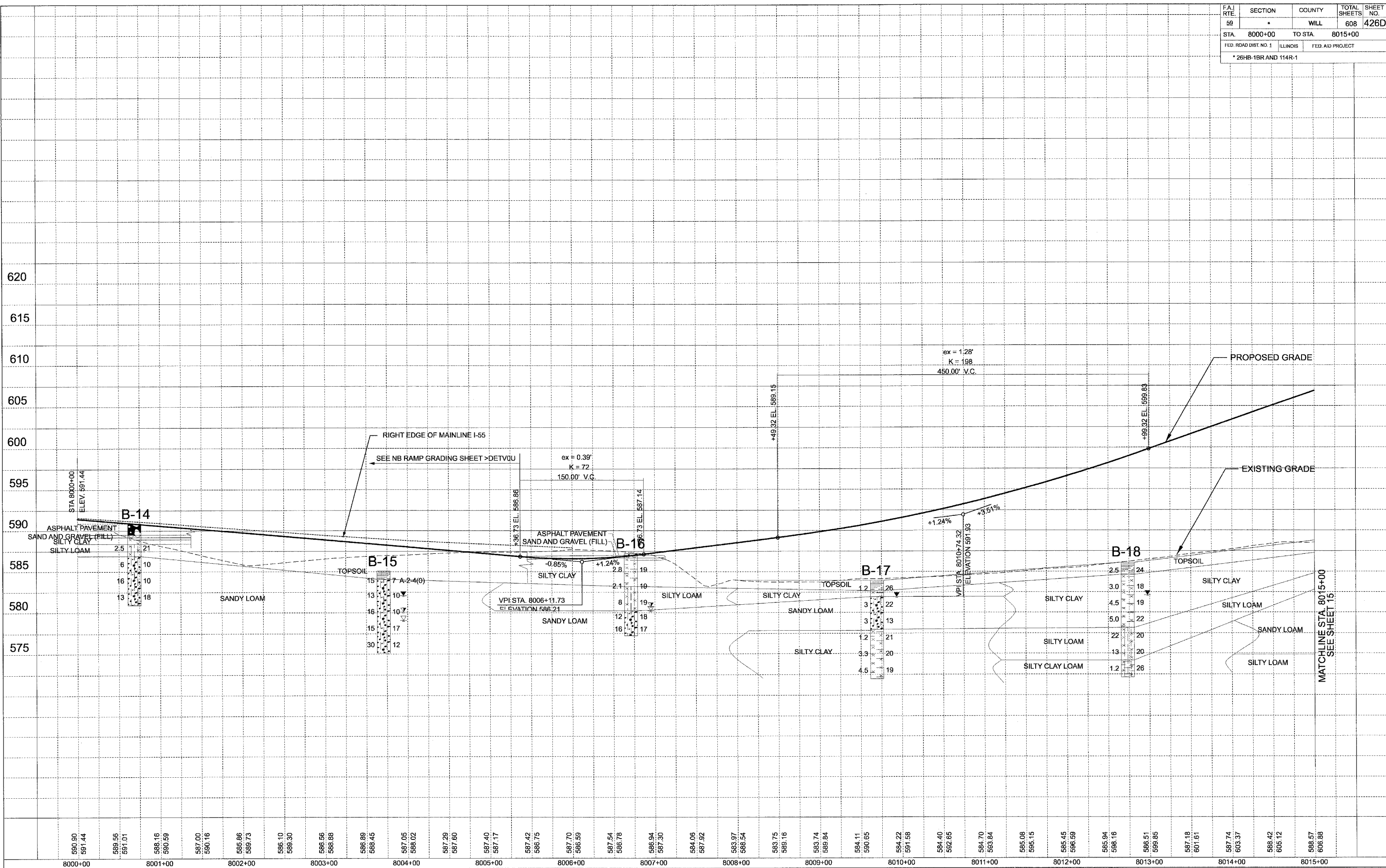


STA 5530+50 TO 5544+87.97

F.A.I. RTE. 59	SECTION *	COUNTY WILL	TOTAL SHEETS 608	SHEET NO. 426D
STA. 8000+00		TO STA. 8015+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
* 26HB-1BR AND 114R-1				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNED		
	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNED		
	CHECKED		
	BY		
	DATE		



VERT. 1" = 5'
HORIZ. 1" = 50'

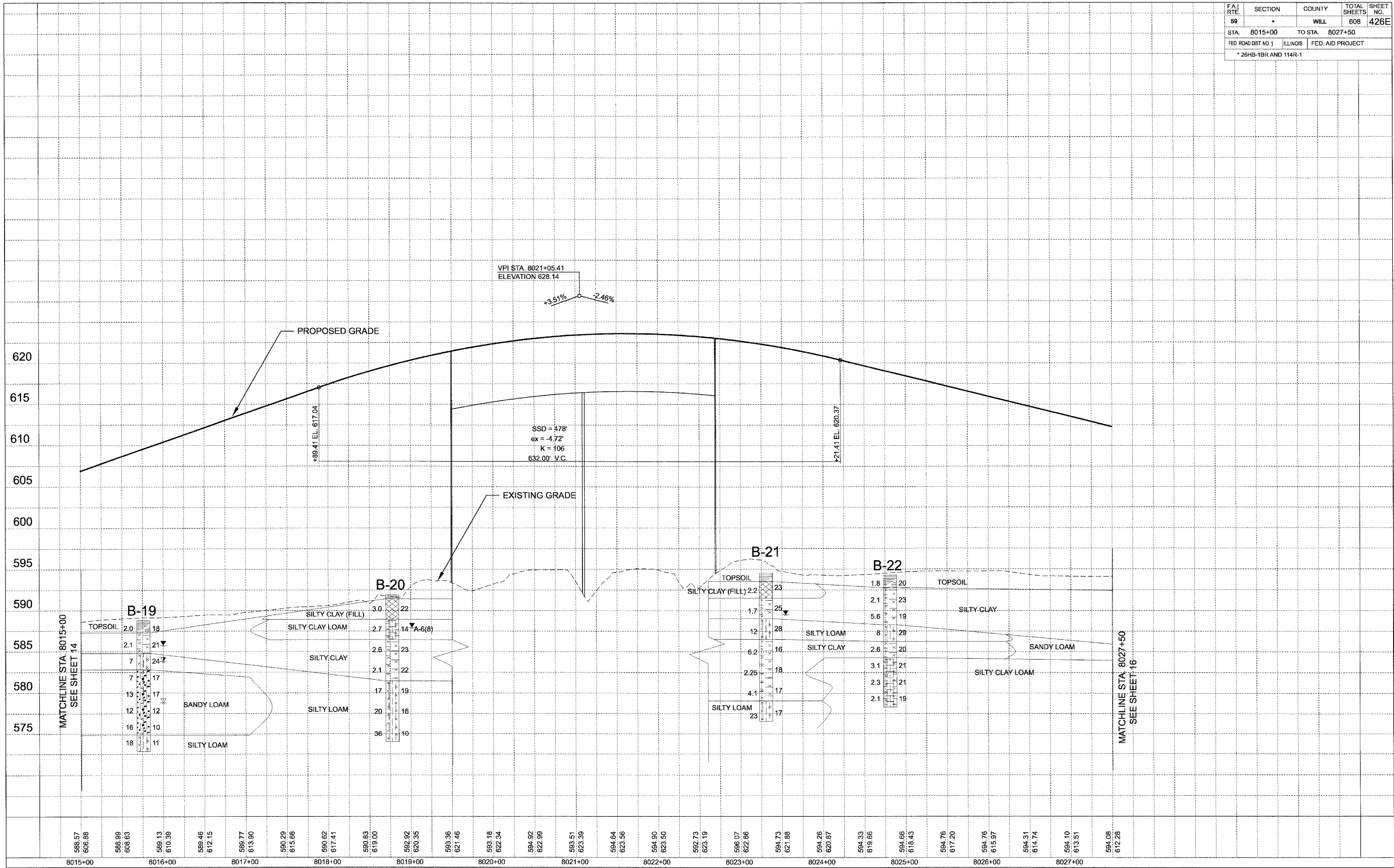
NORTHBOUND EXIT RAMP ROADWAY PROFILE

STA 8000+00 TO 8015+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	426E
STA. 8015+00		TO STA. 8027+50		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 28HB-1BR AND 114R-1				

PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	BY	
	NOTE BOOK	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	BY	
	NOTE BOOK	
	NO.	
	FILE NAME	



SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

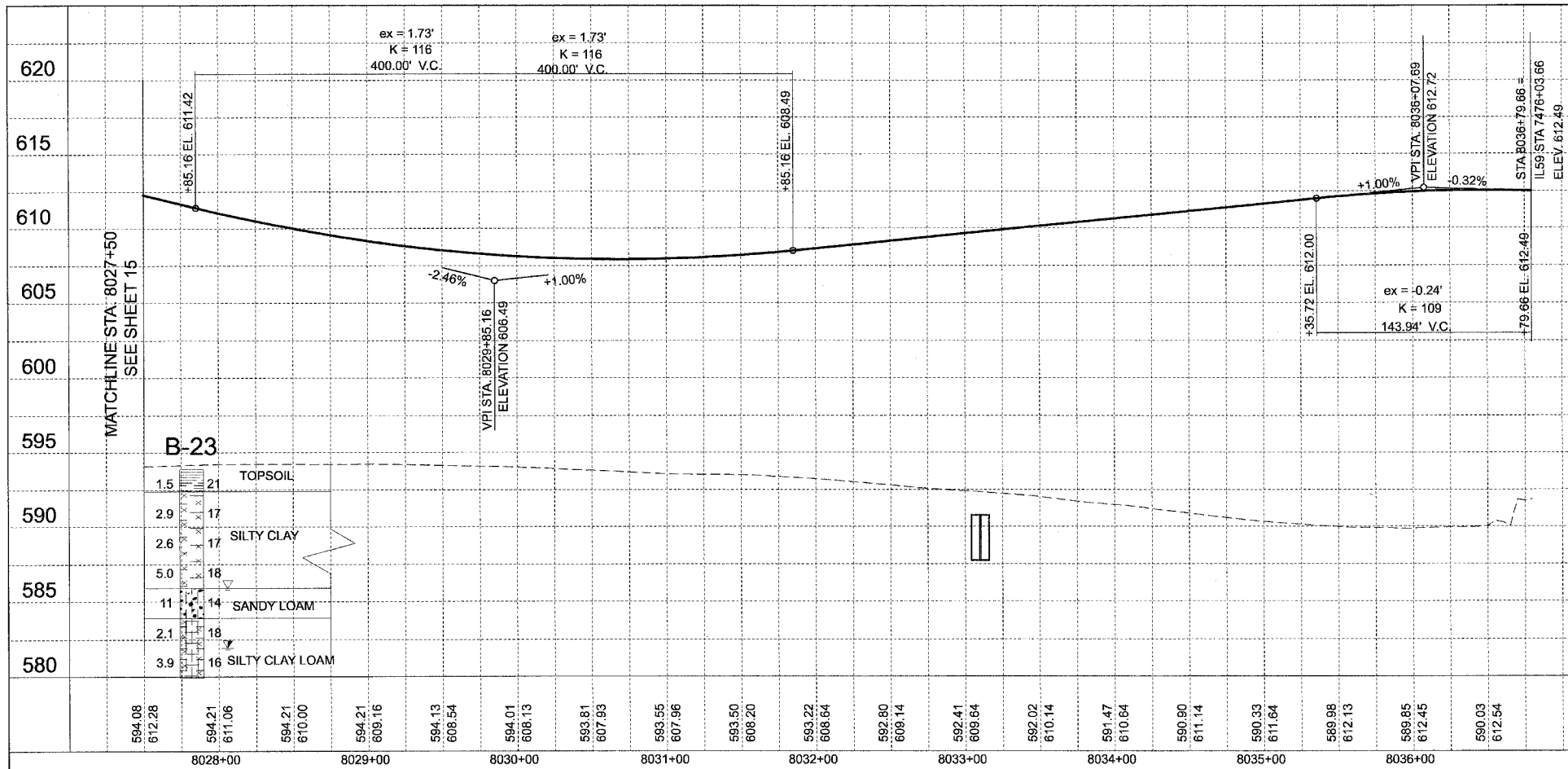
NORTHBOUND EXIT RAMP RODWAY PROFILE

STA 8015+00 TO 8027+50

FAI RTE 59	SECTION -	COUNTY WILL	TOTAL SHEETS 608	SHEET NO. 426F
STA. 8027+50		TO STA. 8036+50		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN	SURVEYED	BY	DATE
	GRADES CHECKED		
	PLOTTED		
	REVISIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	PLOTTED		
	REVISIONS CHECKED		
	NOTE BOOK NO.		
	STRUCTURE NOTATION CHVD		



SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

NORTHBOUND IL 59 EXIT RAMP ROADWAY PROFILE

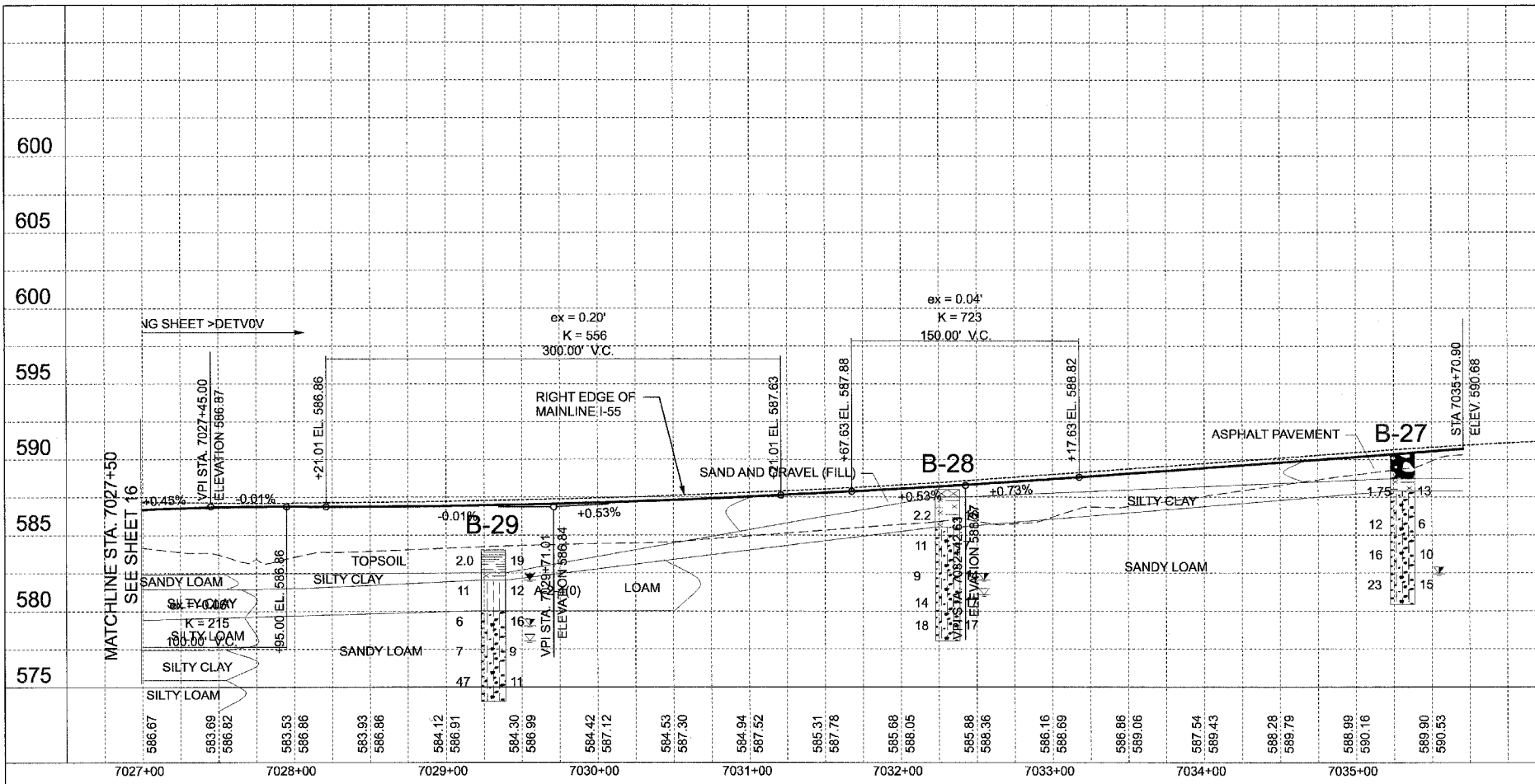


STA 8027+50 TO 8036+50

FAJ RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59		WILL	608	426H
STA. 7027+50		TO STA. 7035+10.92		
FED. ROAD DIST. NO. 1		ILLINOIS		
		FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	NOTED	
	RT. OF WAY CHECKED	
	NO.	
	DATE	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	NOTED	
	RT. OF WAY CHECKED	
	NO.	
	DATE	



SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

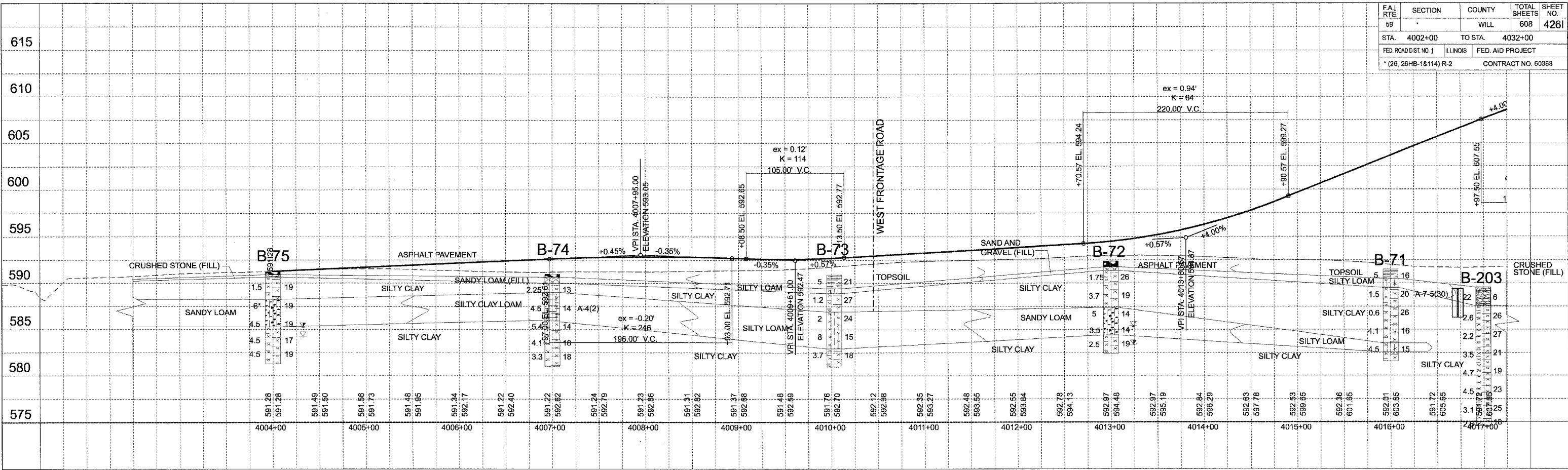
SOUTHBOUND ENTRANCE RAMP ROADWAY PROFILE



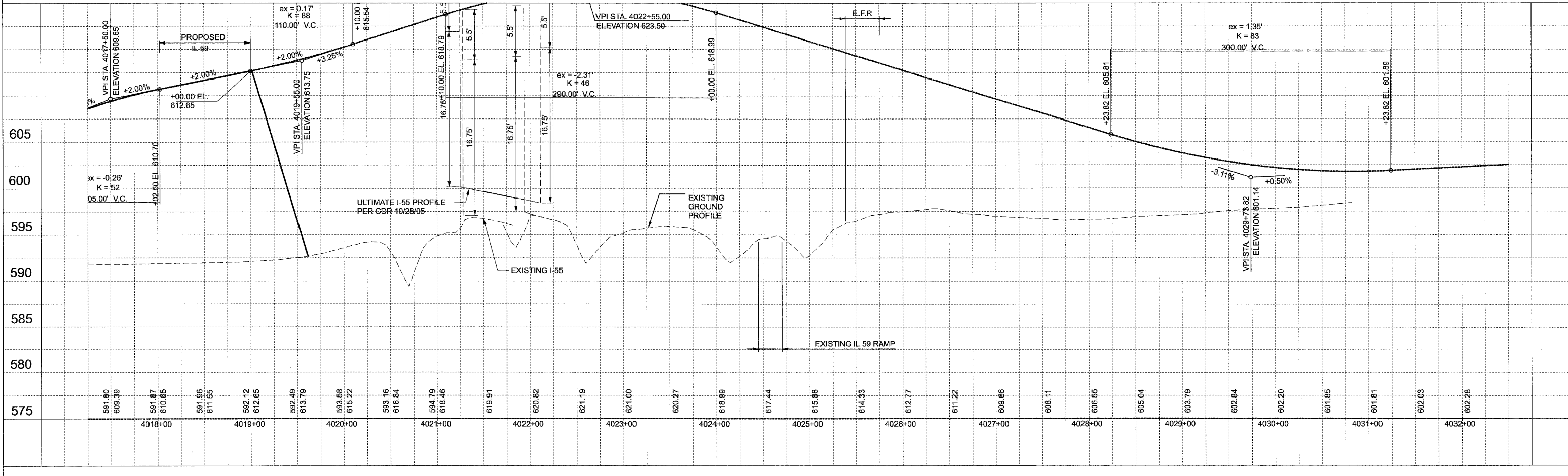
STA 7027+00 TO 7035+70.92

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	4261
STA. 4002+00	TO STA. 4032+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (26, 26HB-1&114) R-2		CONTRACT NO. 60363		

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 ALIGNED AND CHECKED BY DATE
 RT OF WAY CHECKED BY DATE
 NO. DADD FILE NAME



PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 NOTEBOOK NO. CHECKED BY DATE
 S.M. NOTED BY DATE
 STRUCTURE NOTATION CHD



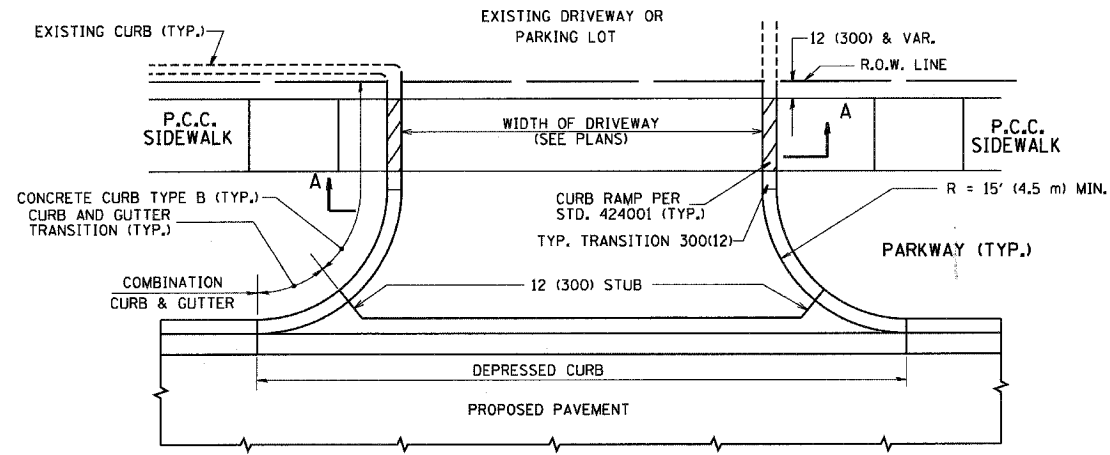
SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'

SEIL RD ROADWAY PROFILE

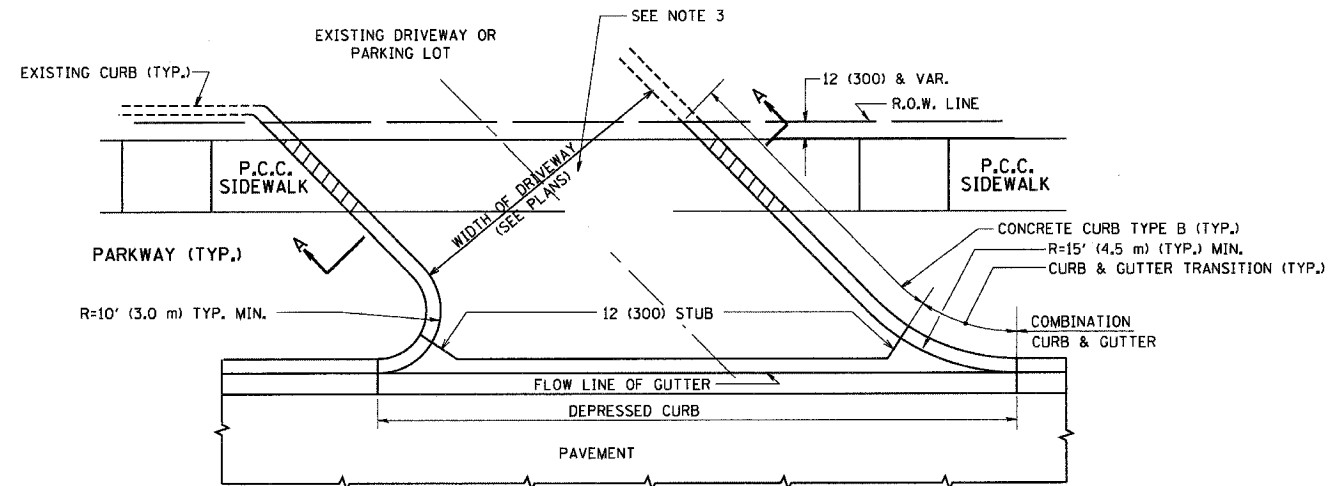


STA 4002+00 TO 4032+00

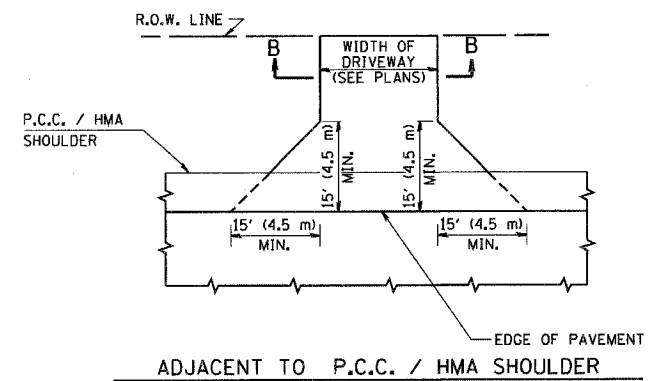
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	427
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



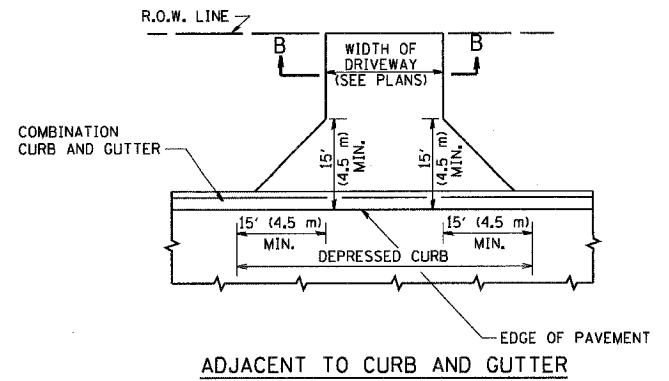
WITH CONCRETE CURB, TYPE B



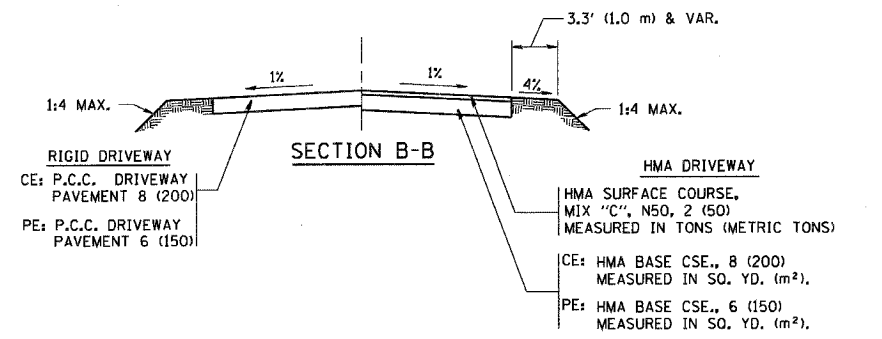
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "C", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE A 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

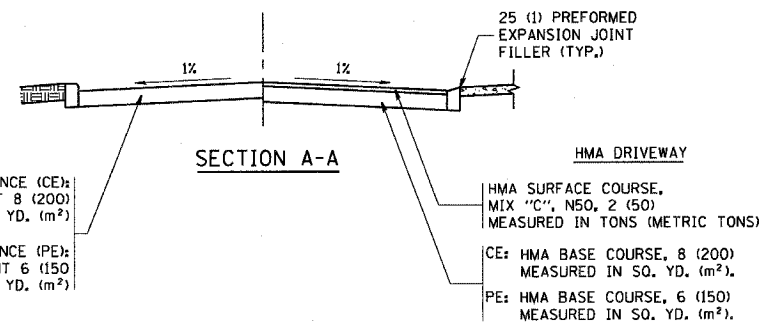
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



SECTION A-A

RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "C", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LOFLEUR	04-15-03
R. BORO	01-01-07

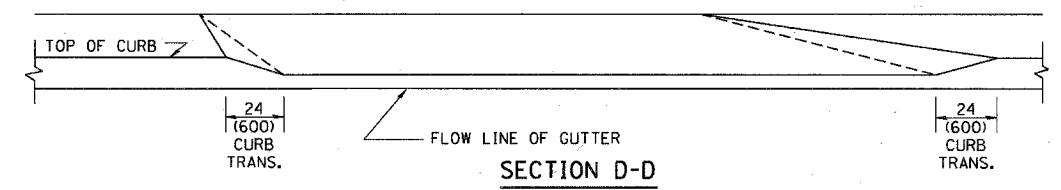
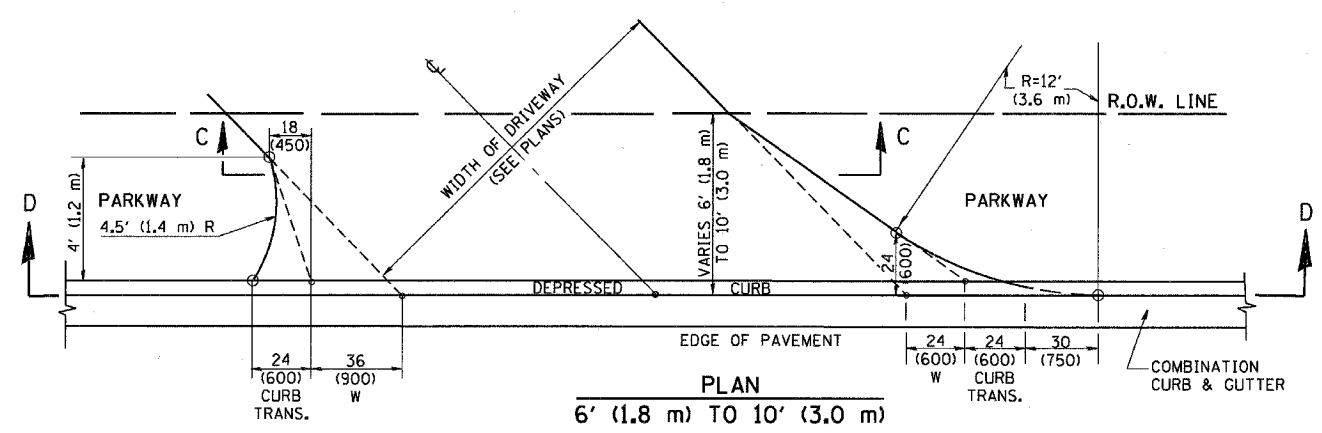
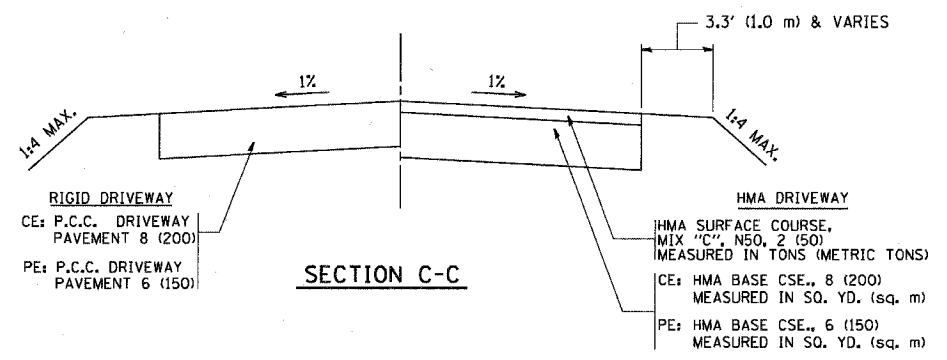
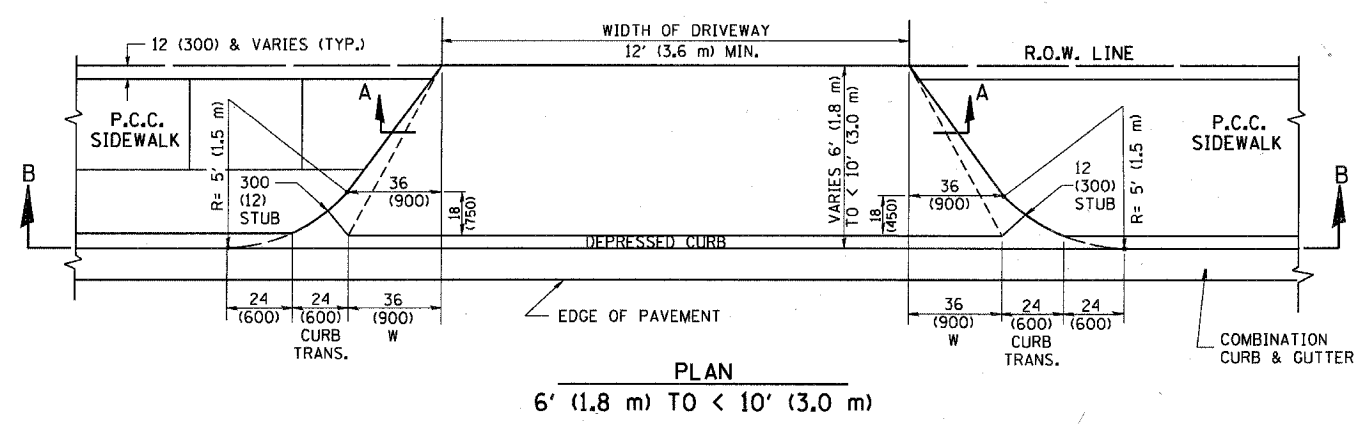
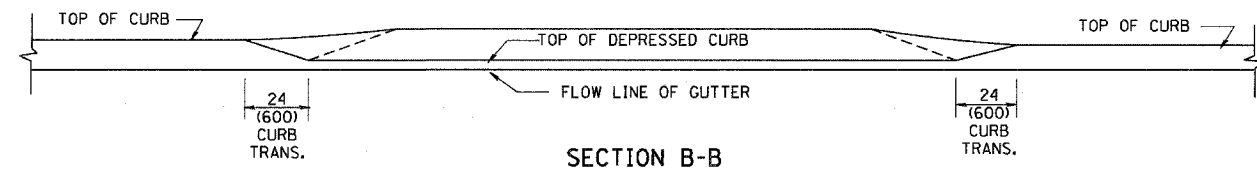
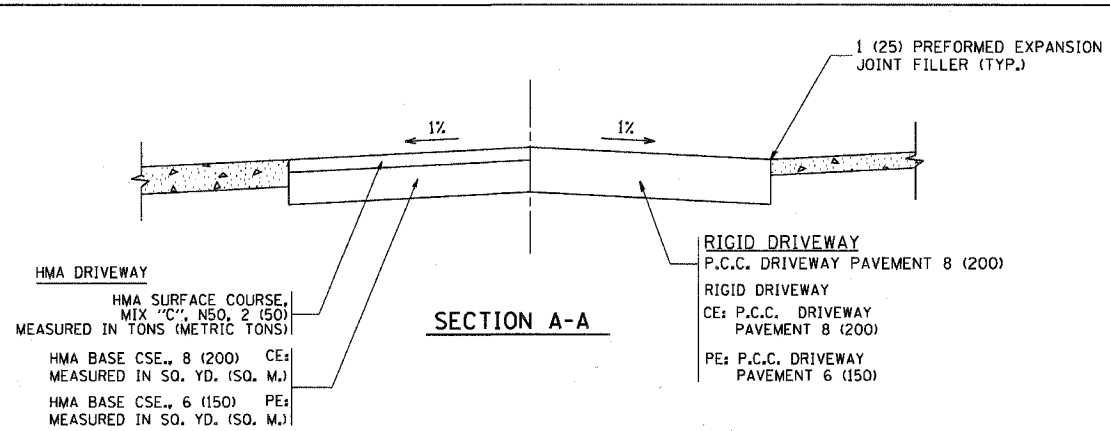
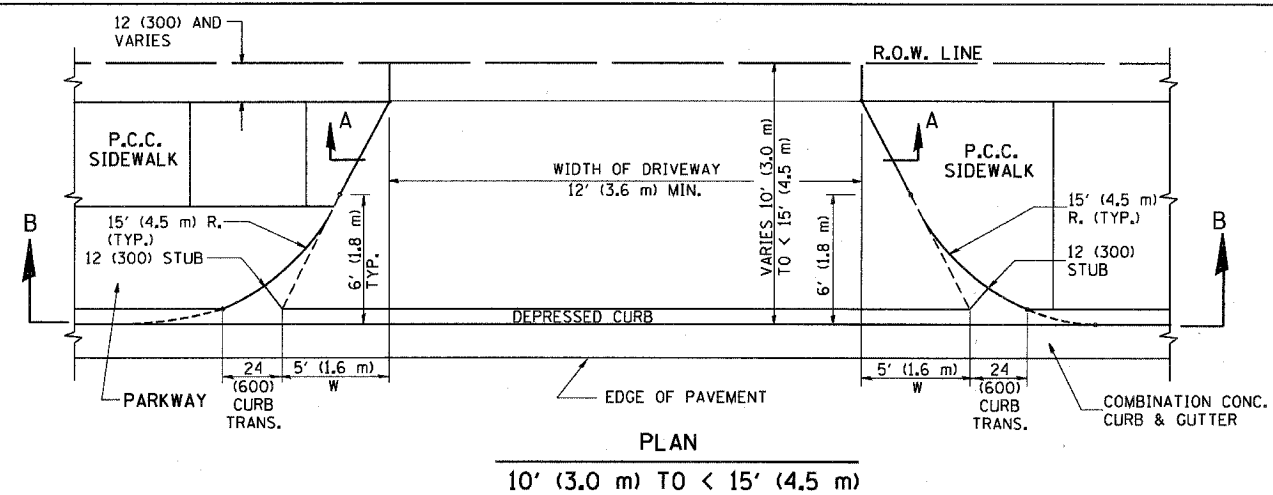
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
 DISTANCE BETWEEN R.O.W. AND
 FACE OF CURB & EDGE OF
 SHOULDER >= 15' (4.5 m)

SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

PLUT DATE = 4/11/2007
 FILE NAME = c:\projects\diststd\bd\bd1.dgn
 PLOT SCALE = 48/11000 / IN.
 USER NAME = criverson

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	428
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

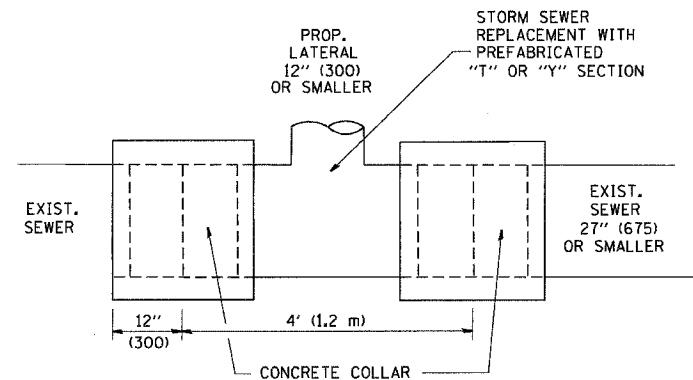
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97
M. GOMEZ	04/06/01
P. LOFLEUR	04/15/03
R. BORO	01/01/07

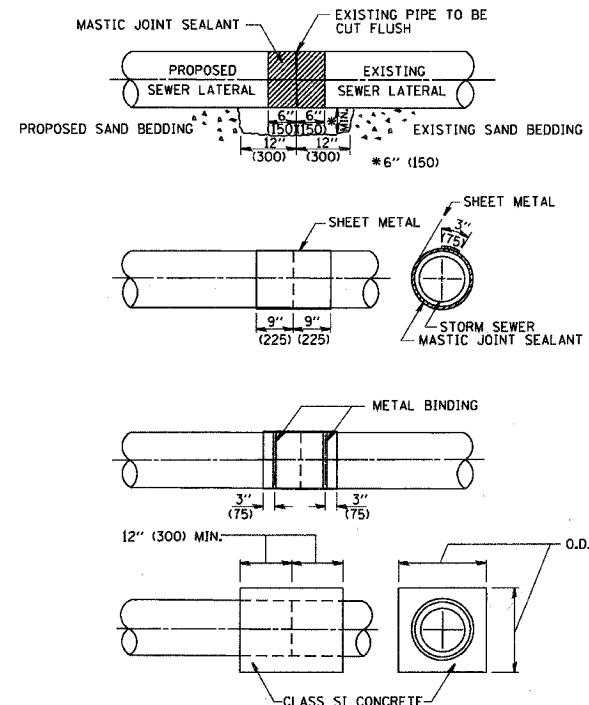
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: VERT. NONE
HORIZ. NONE
DRAWN BY
CHECKED BY

PLOT DATE = 05/20/07
PLOT SCALE = 600000' / IN.
USER NAME = bauerd



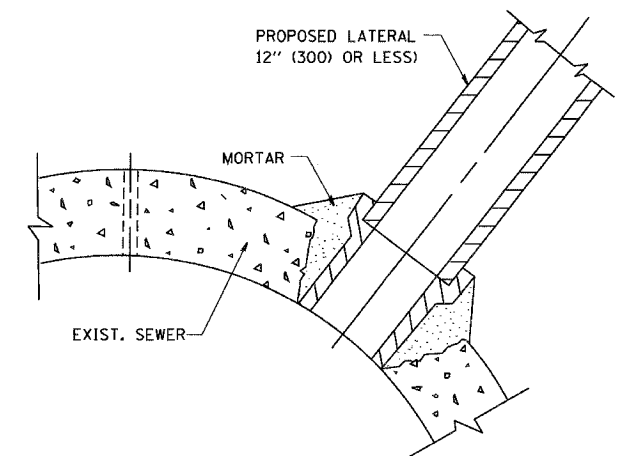
DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 I.I (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES. 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"
PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

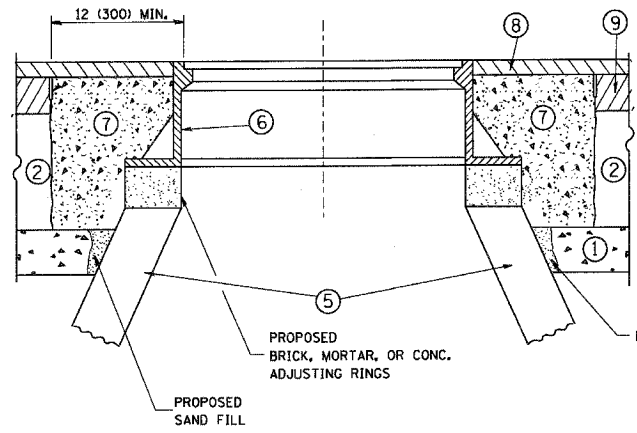
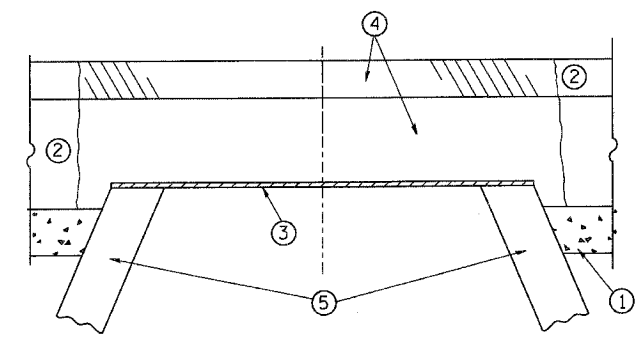
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

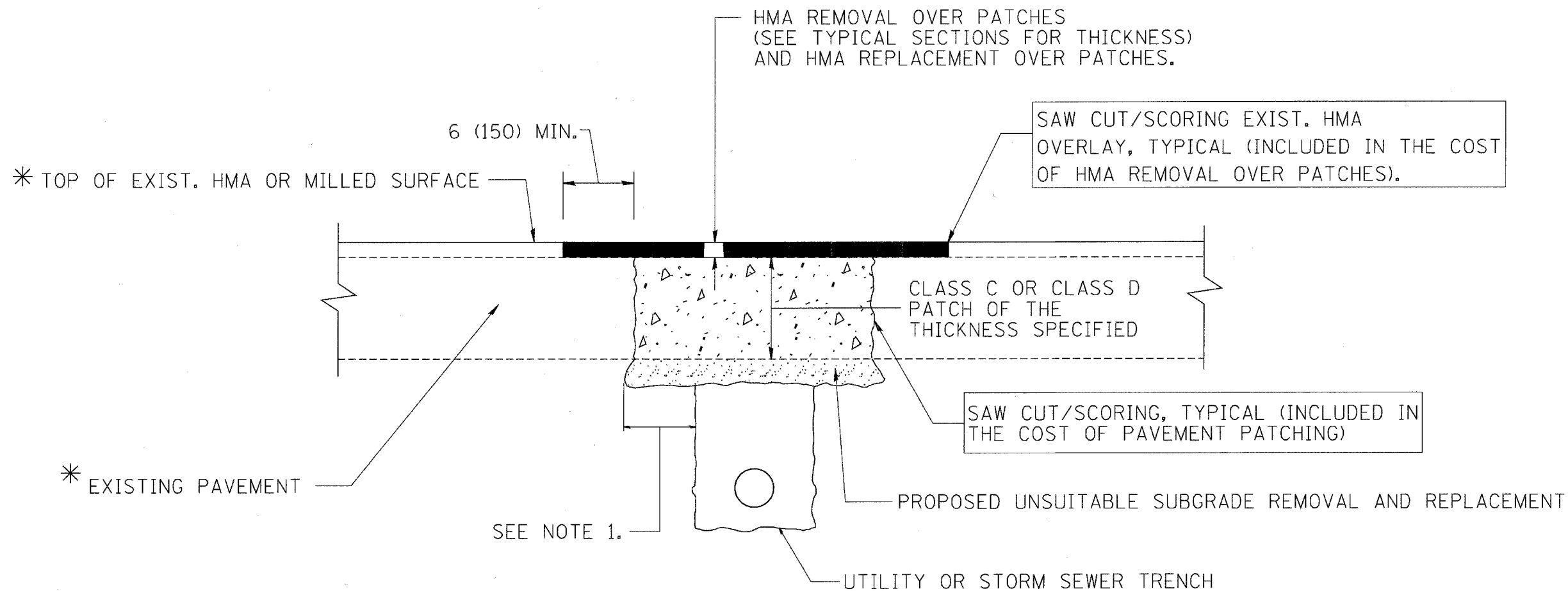
REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

BD600-03 (BD-8)



* SEE TYPICAL SECTIONS FOR
THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

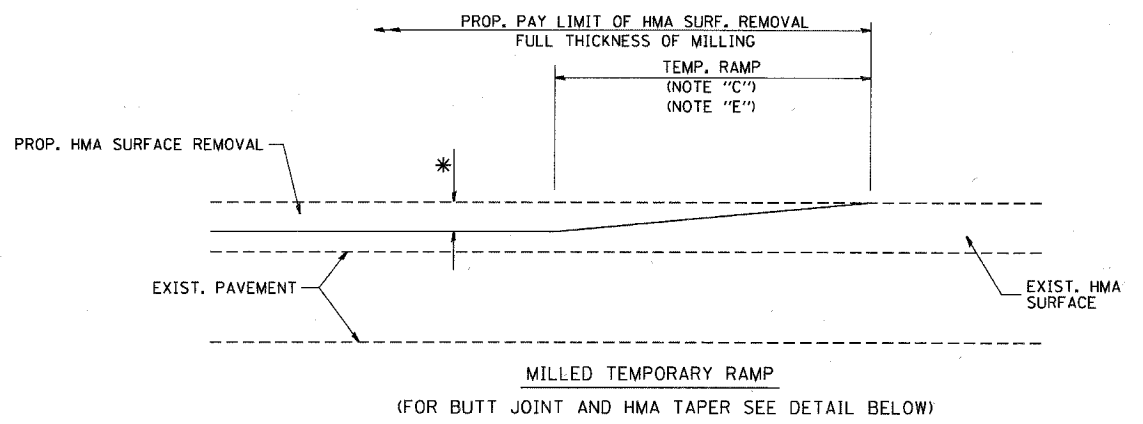
PAVEMENT PATCHING FOR
HMA SURFACED
PAVEMENT

SCALE: VERT. NONE
HORIZ.

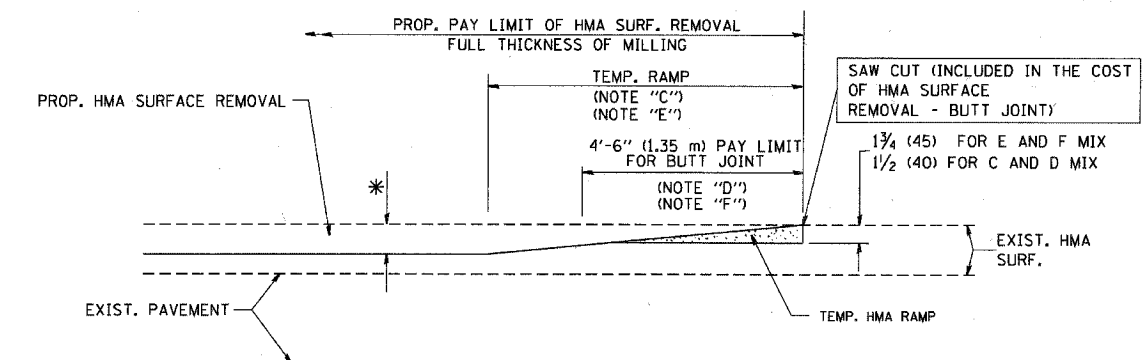
DRAWN BY
CHECKED BY

BD400-04 (BD-22)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	431
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

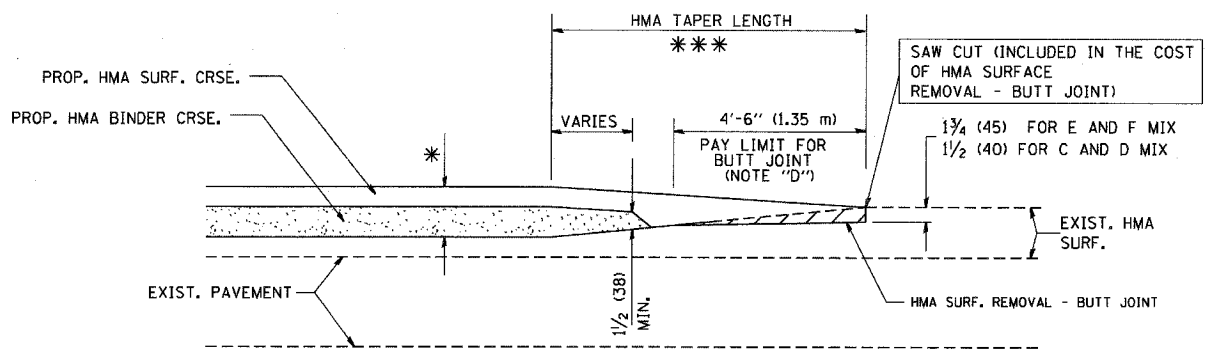


OPTION 1

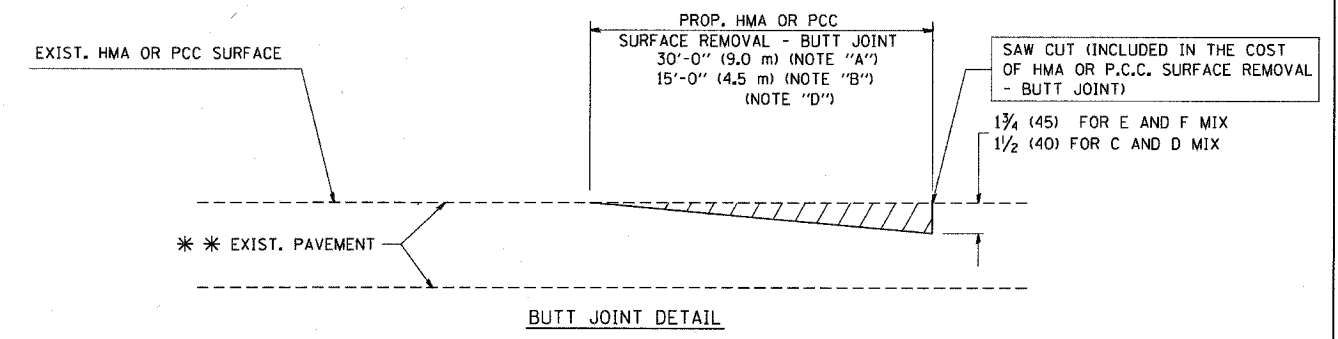


OPTION 2

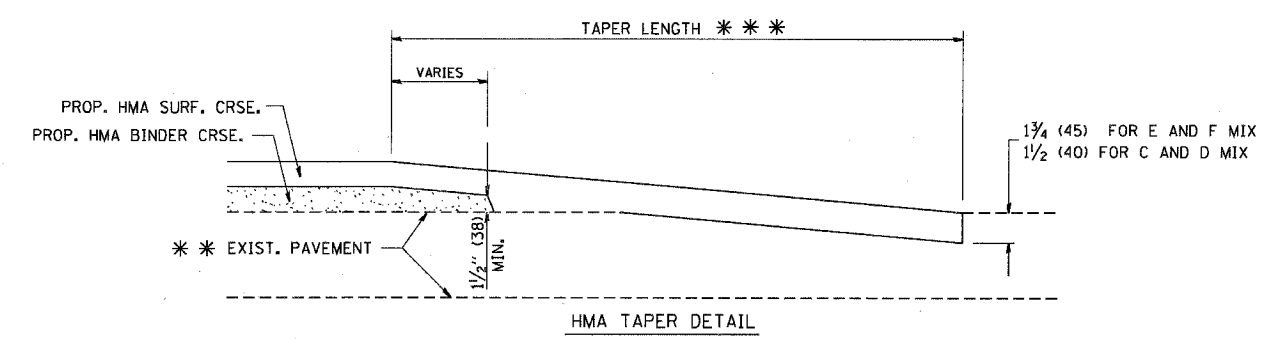
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

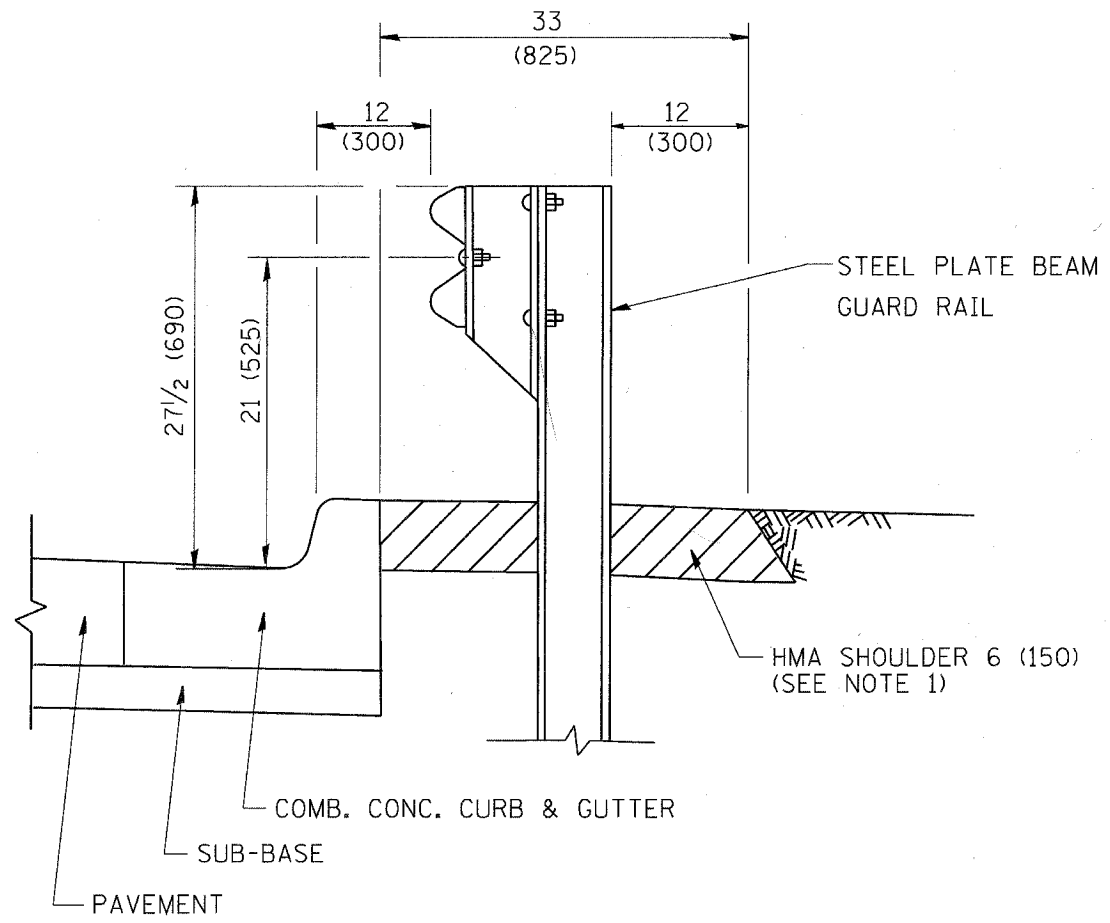
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

PLOT DATE = 3/5/2007
 FILE NAME = K:\data\bd32.dgn
 USER NAME = bborod

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

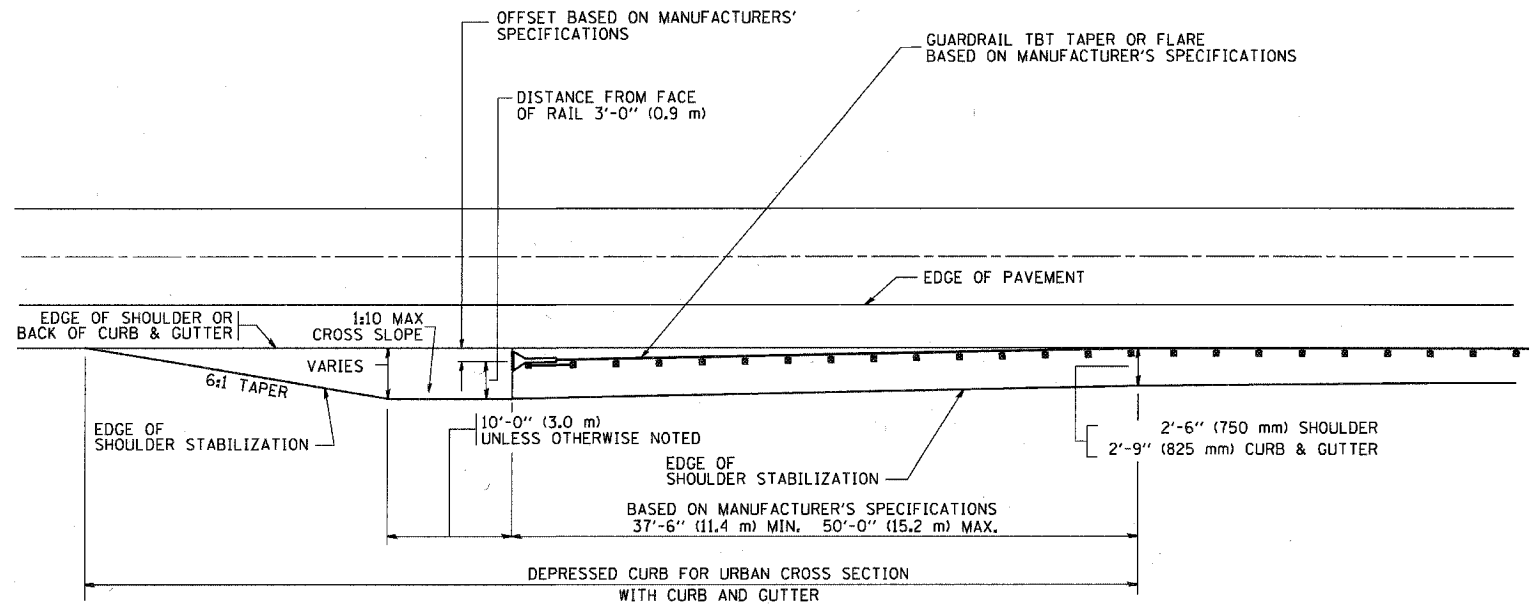


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER
 [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

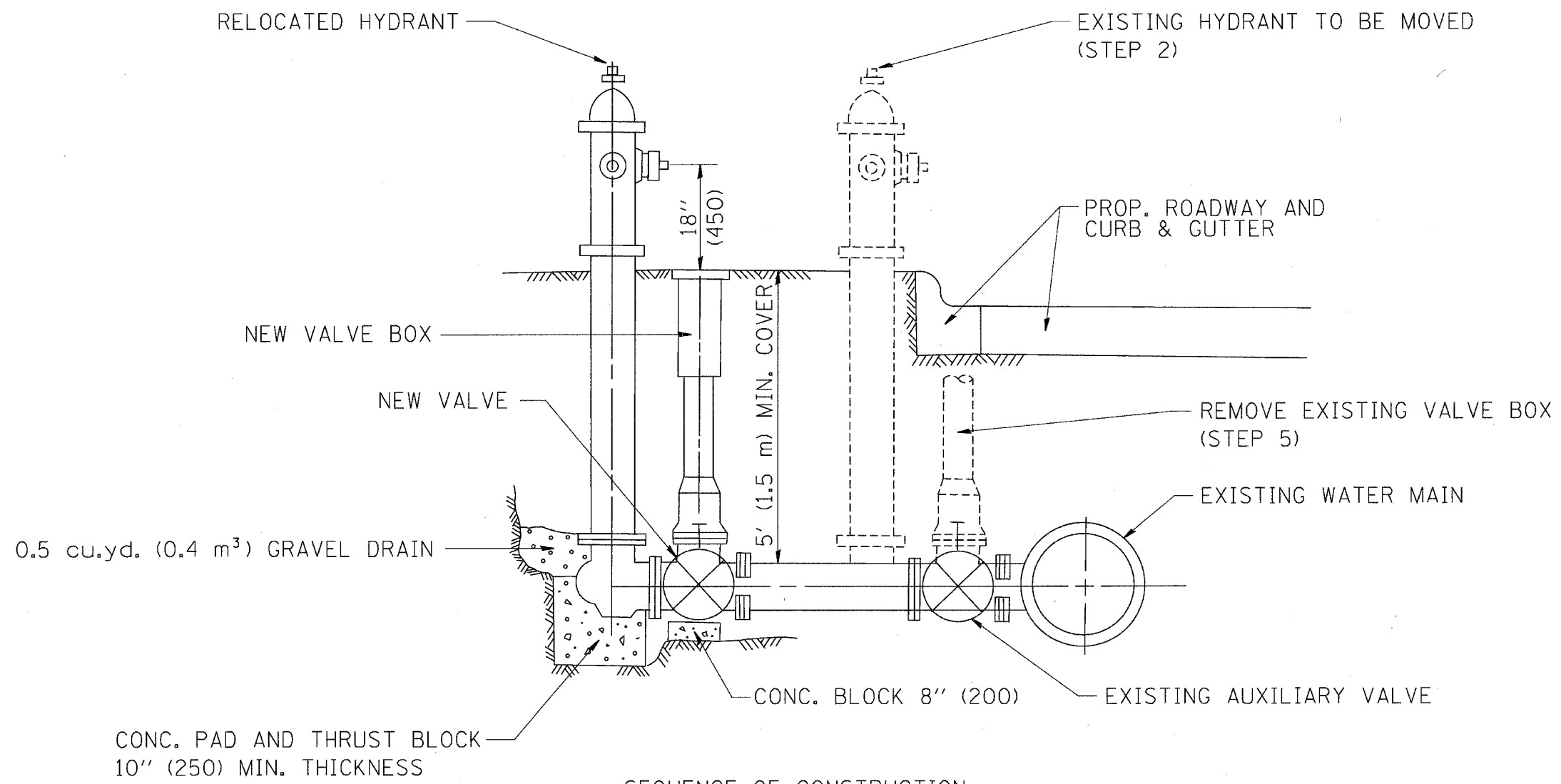
REVISIONS	NAME	DATE
	M. DE YONG	09-22-90
	M. DE YONG	07-14-92
	R. SHAH	09/09/94
	R. SHAH	10/25/94
	R. SHAH	02/23/99
	A. ABBAS	03/21/97
	E. GOMEZ	08/28/00
	R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.

SCALE: VERT. NONE
 HORIZ. NONE

DRAWN BY Jis
 CHECKED BY



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

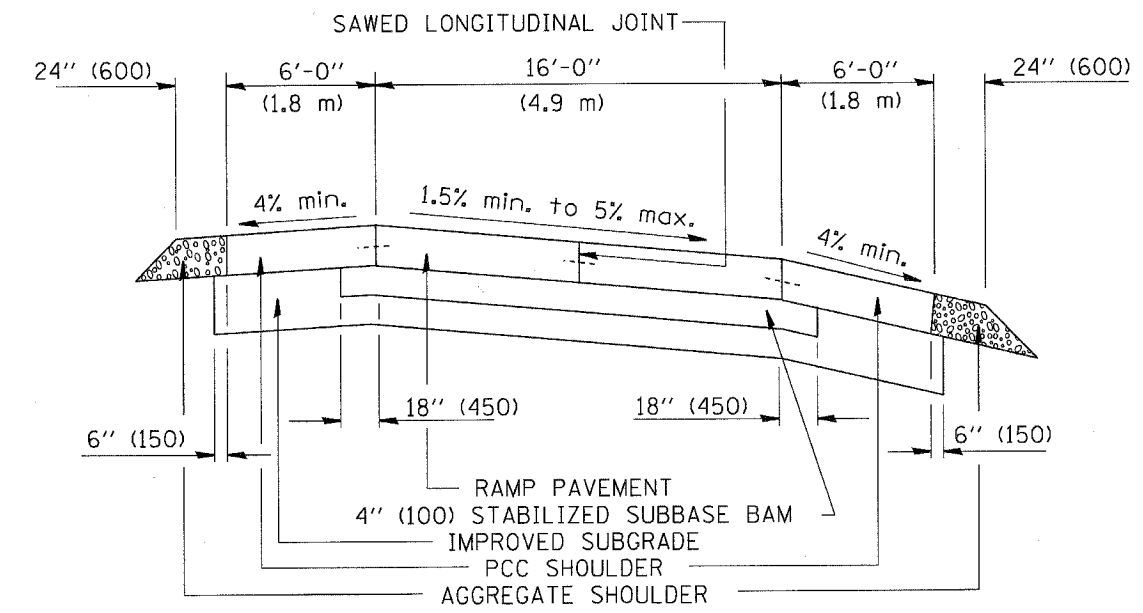
REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

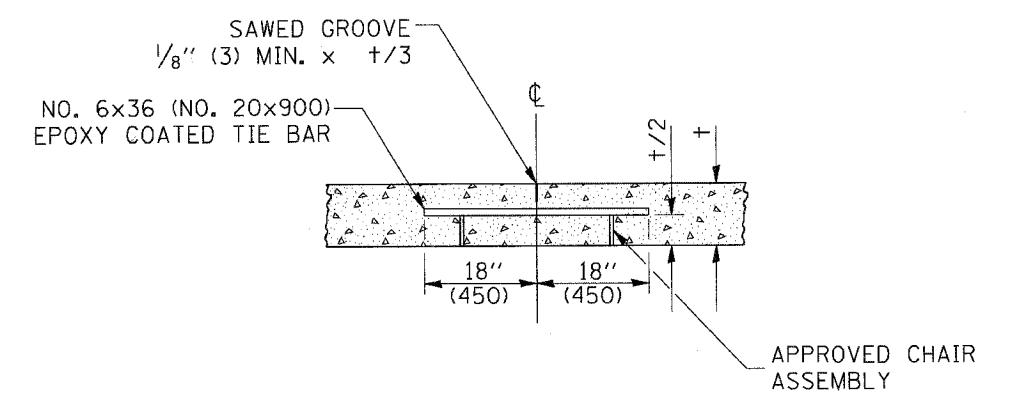
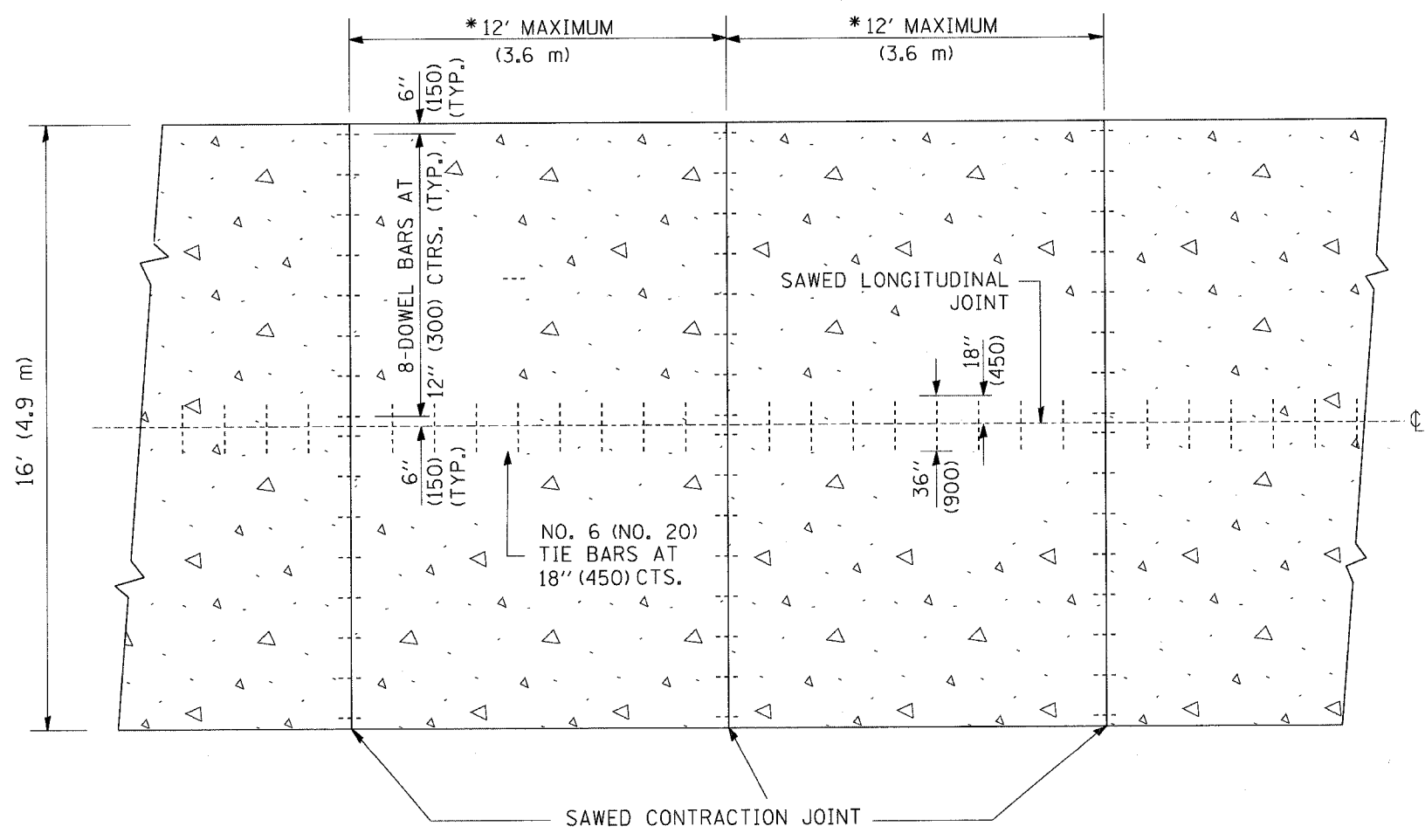
SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY



NOTES:

- CENTERLINE JOINT REMAINS IN THE CENTER WHEN RAMP TRANSITIONS TO TWO (2) RAMPS AT 12' (3.6 m).
- ALL BARS TO BE EPOXY COATED.



SAWED LONGITUDINAL JOINT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

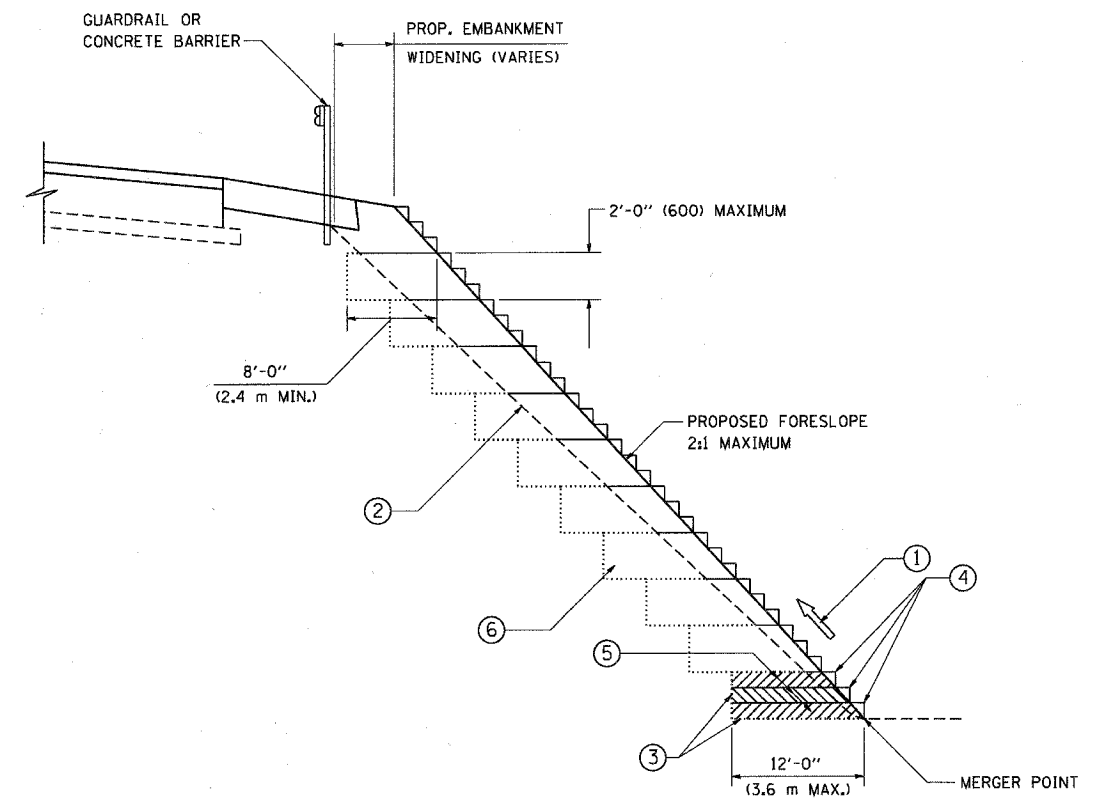
REVISIONS	
NAME	DATE
	10/18/02

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL FOR CENTERLINE SAWCUT
16' (4.9 m) AND VARIABLE
JOINTED PCC PAVEMENT
FOR RAMPS

SCALE: VERT. NONE
HORIZ.

DRAWN BY TOM MATOUSEK
CHECKED BY A. ABBAS

PLOT DATE = 3/15/2007
FILE NAME = K:\dashed\2007\4\10\pcc\pcc.dgn
PLOT SCALE = 1/8" = 1'-0"
USER NAME = abbas@id



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
	06/16/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT
WIDENING

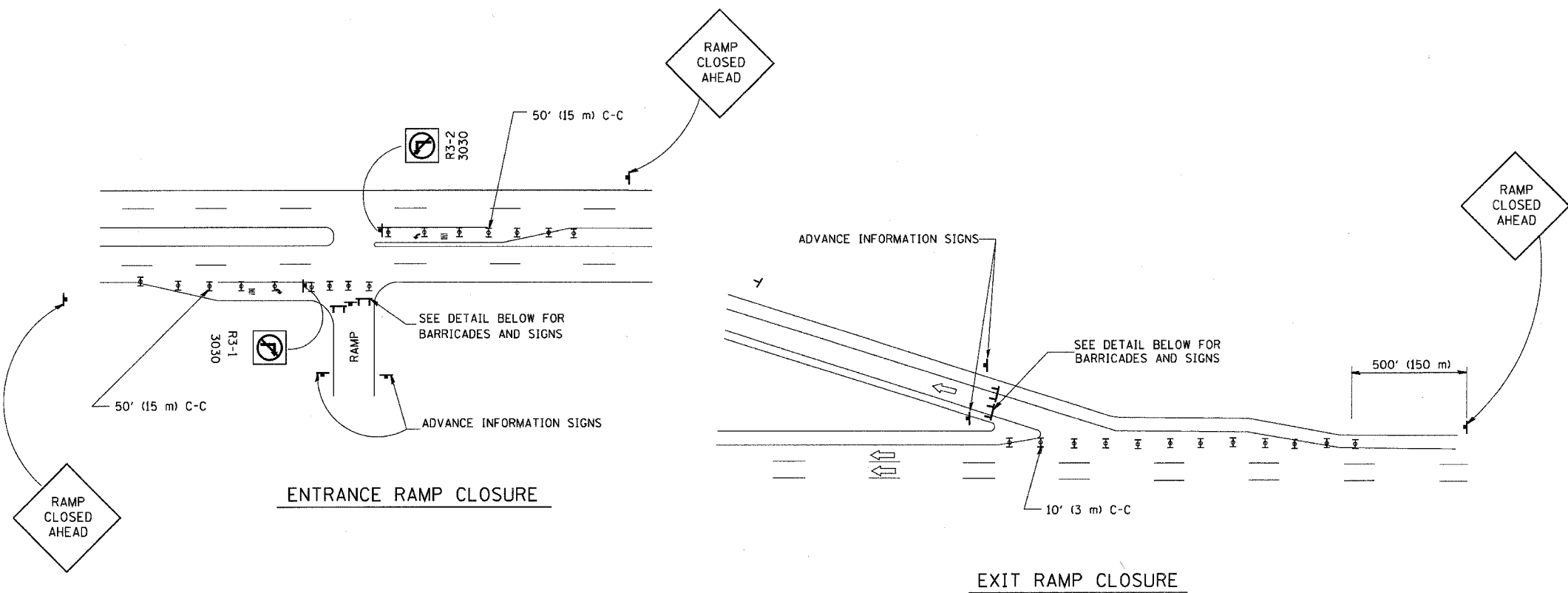
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HORIZ.

DRAWN BY: CADD

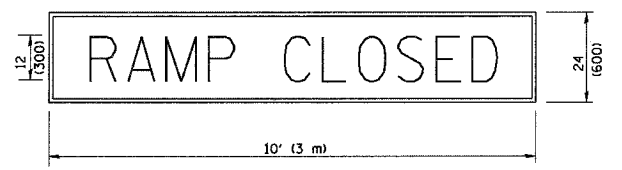
CHECKED BY: S.E.B.

BD-51

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

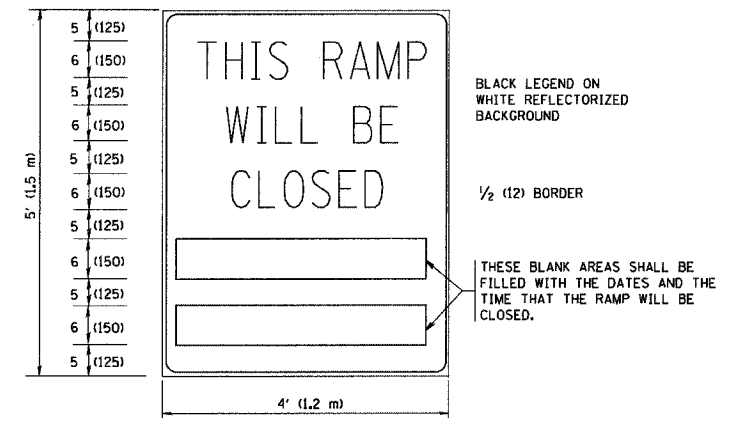


RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

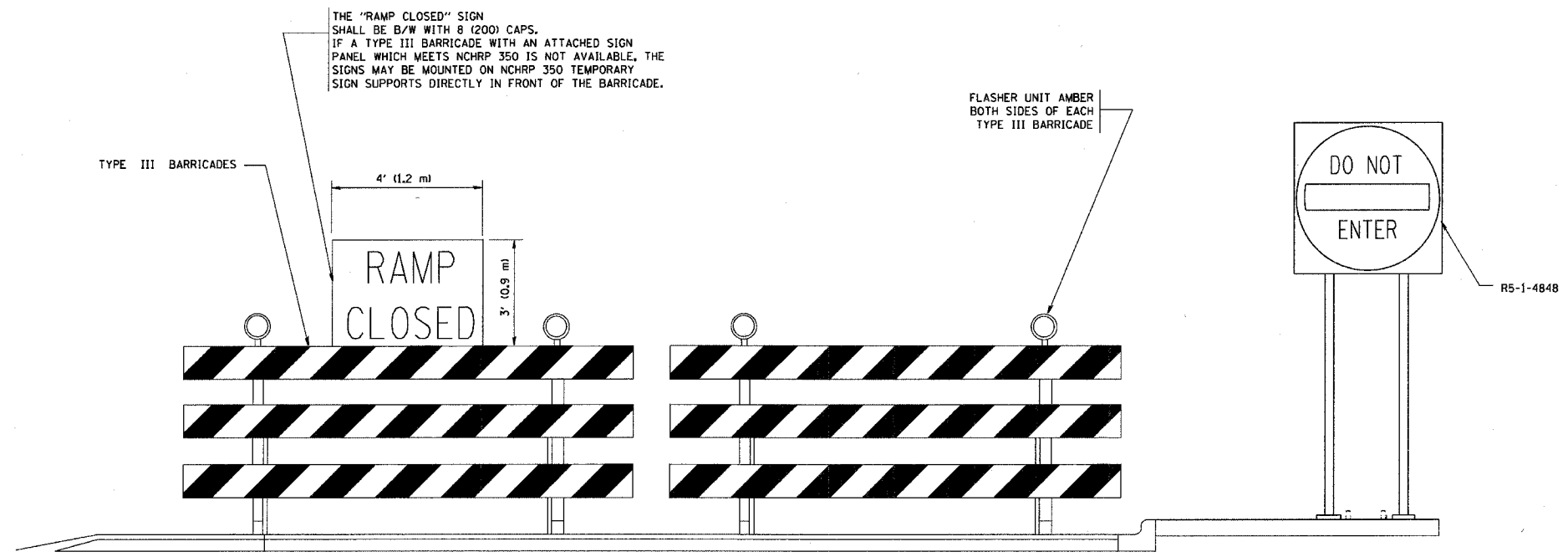
REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
JAF	2/06
SPB	1/07
Revise devices to meet NCHRP 350	4/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS

SCALE: NONE
DRAWN BY
CHECKED BY

THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

FLASHER UNIT AMBER BOTH SIDES OF EACH TYPE III BARRICADE



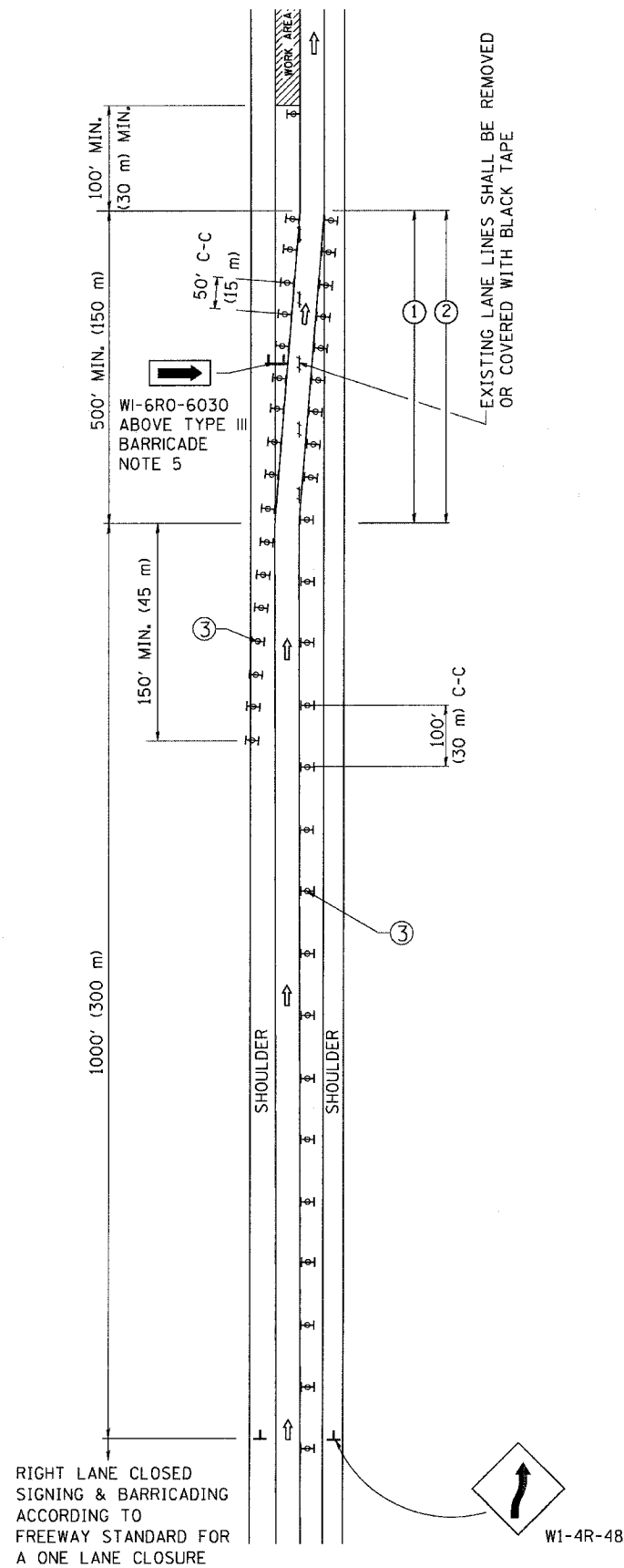
DETAIL FOR REQUIRED BARRICADES & SIGNS

- SYMBOLS**
- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ▬ TYPE III BARRICADE WITH FLASHING LIGHT

PLOT DATE : 3/6/2007
FILE NAME : K:\projects\11000\11000.dgn
PLOT SCALE : 80.0000 / IN.
USER NAME : bauerdl

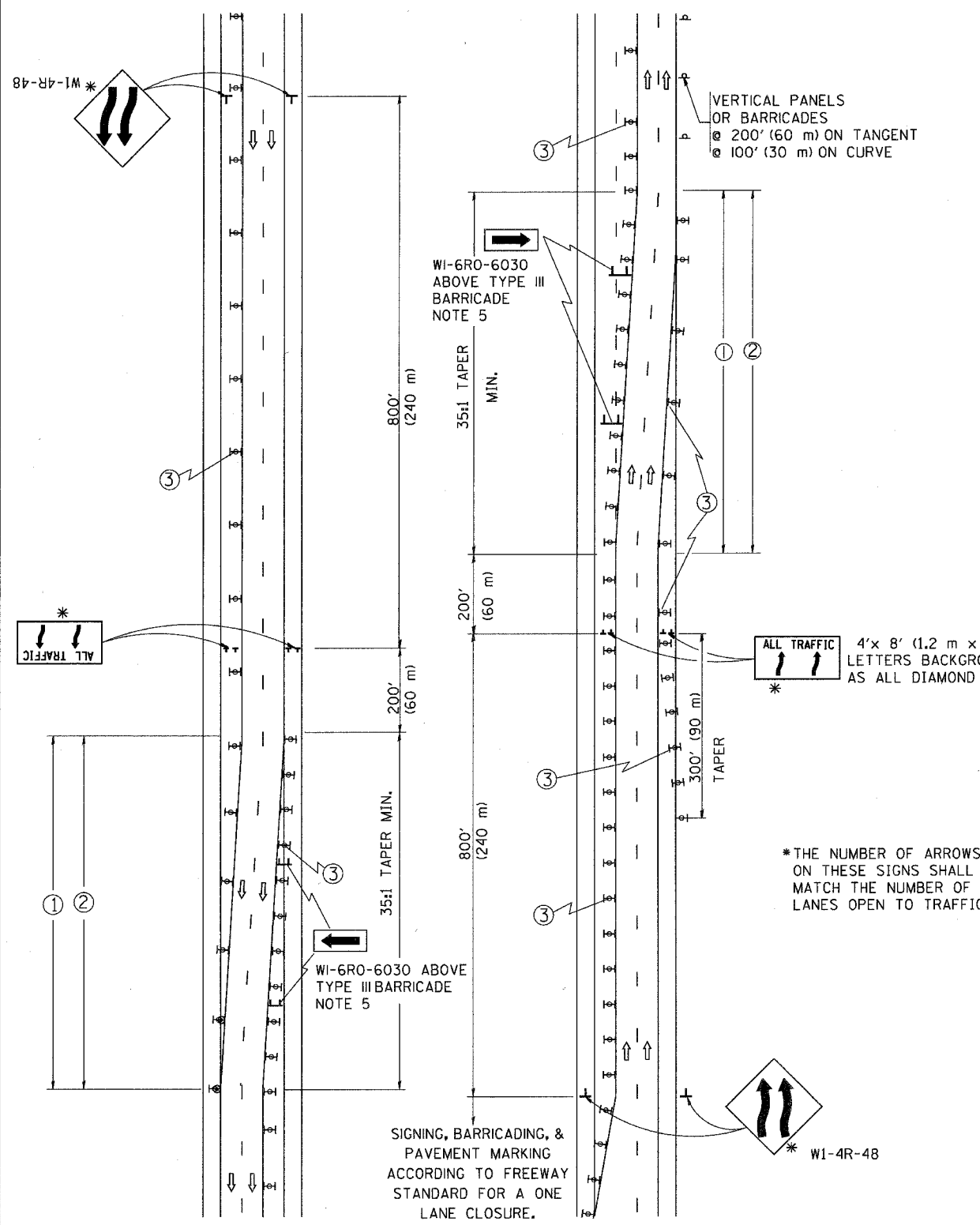
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	440
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SINGLE LANE WEAVE



RIGHT LANE CLOSED SIGNING & BARRICADING ACCORDING TO FREEWAY STANDARD FOR A ONE LANE CLOSURE

MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.
- IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL DETAILS
 FOR FREEWAY
 SINGLE & MULTI-LANE WEAVE**

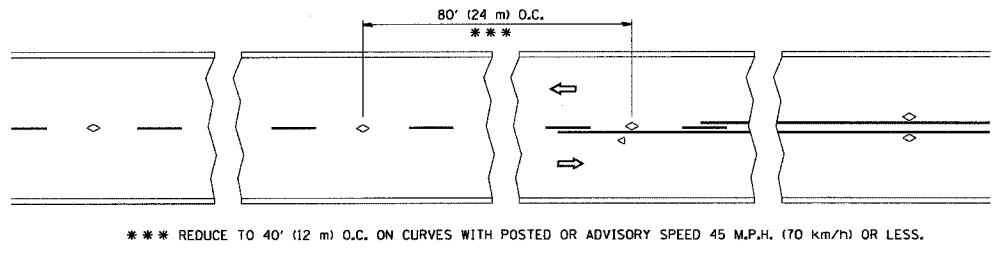
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DRAWN BY R.H.

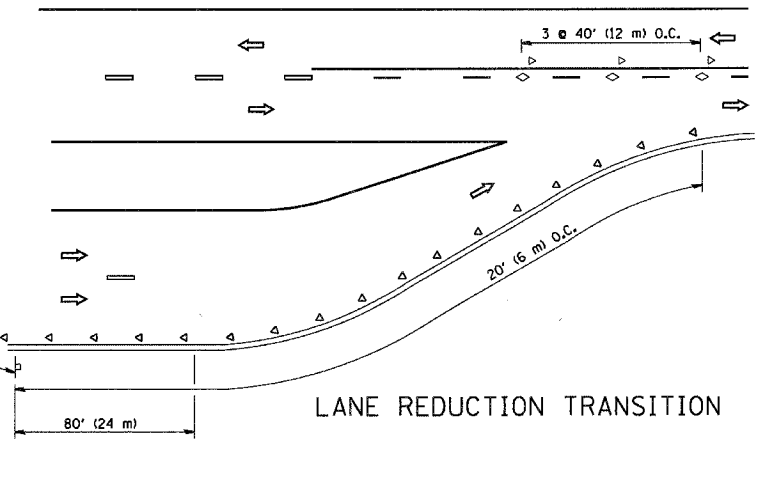
CHECKED BY

TC-9

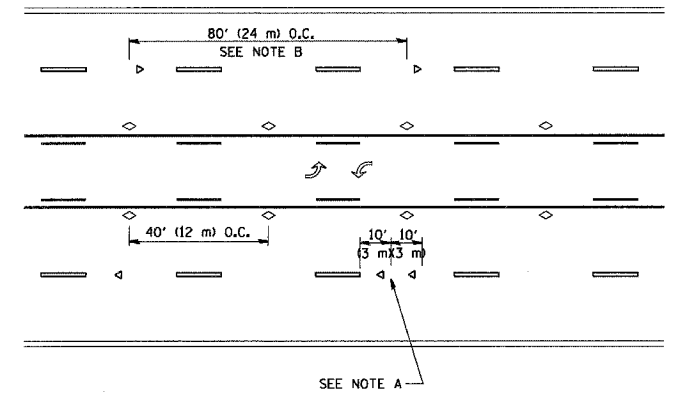
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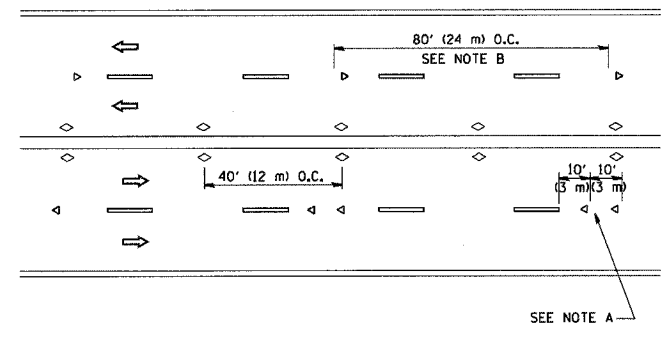
TWO-LANE/TWO-WAY



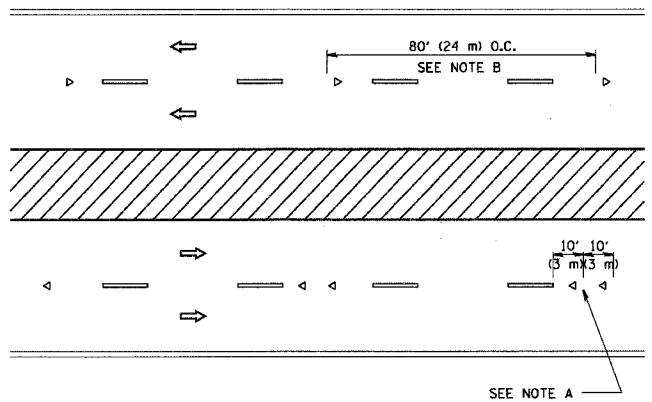
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

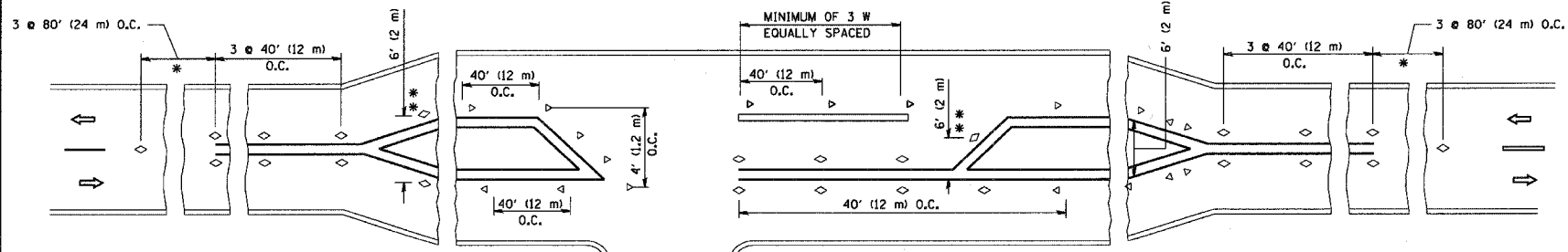
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

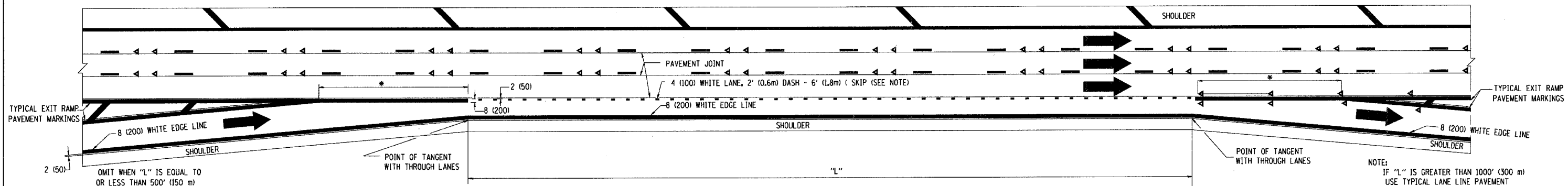
- * SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
- ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

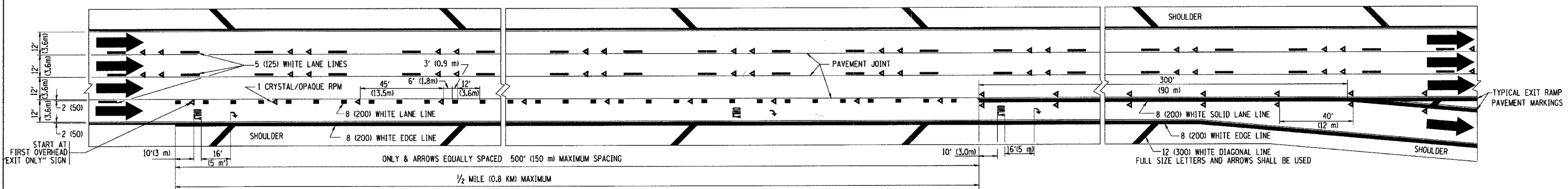
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT
MARKERS (SNOW-PLOW RESISTANT)

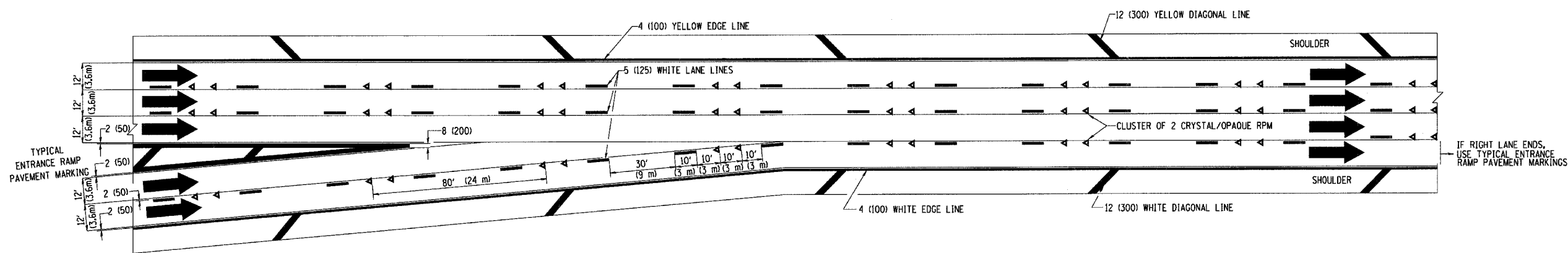
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DRAWN BY CADD
CHECKED BY
TC-11



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



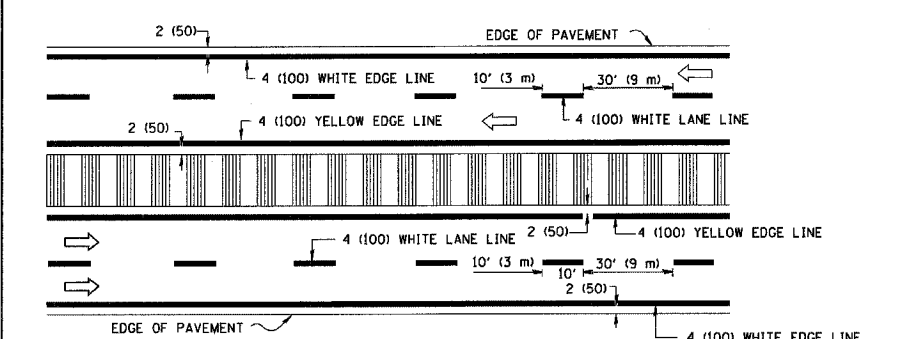
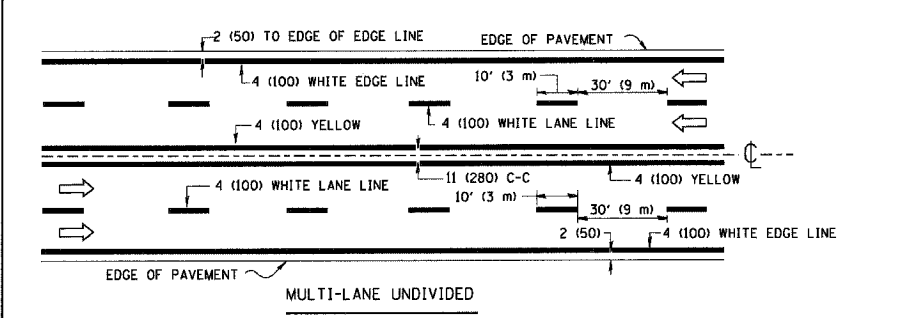
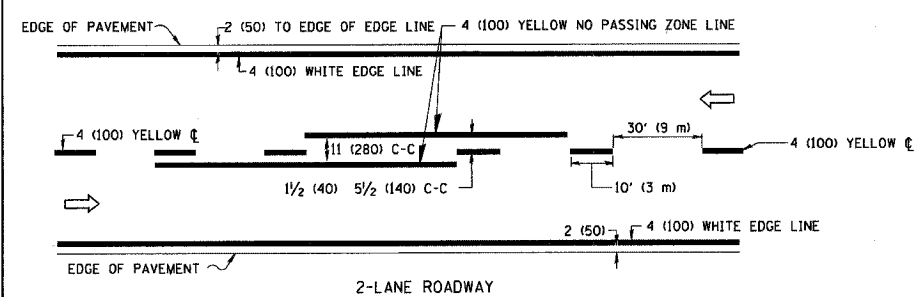
TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**MULTI-LANE FREEWAY
 PAVEMENT MARKING
 DETAILS**

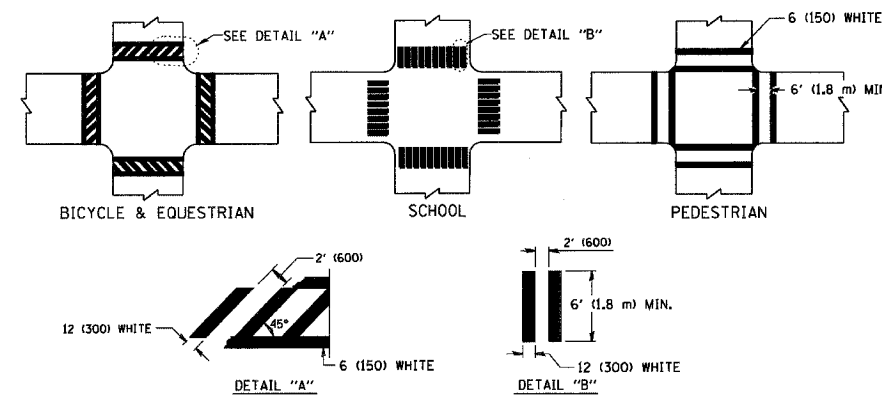
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 USER NAME = bward

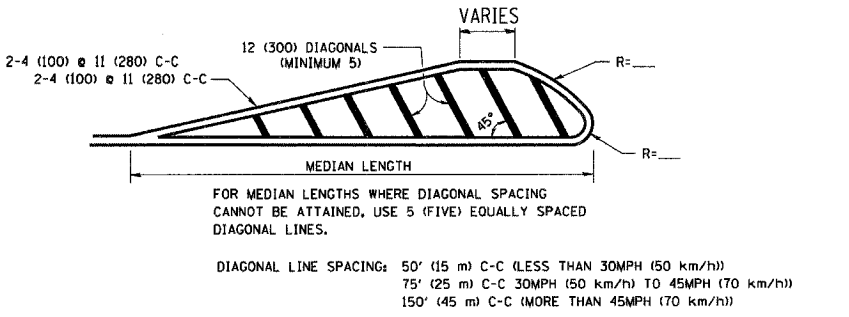
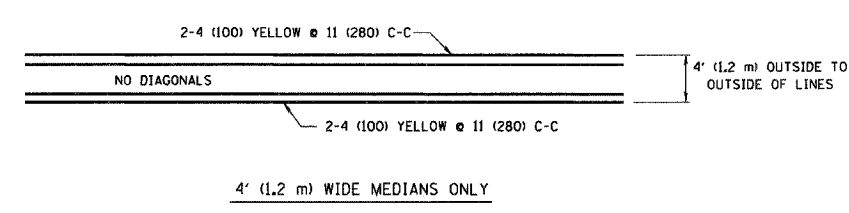


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

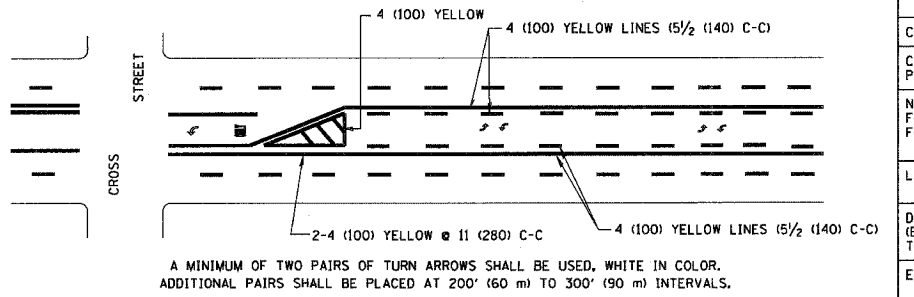
TYPICAL LANE AND EDGE LINE MARKING



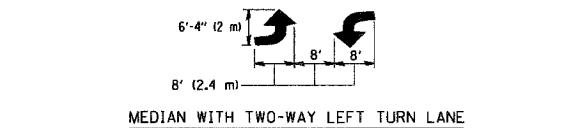
TYPICAL CROSSWALK MARKING



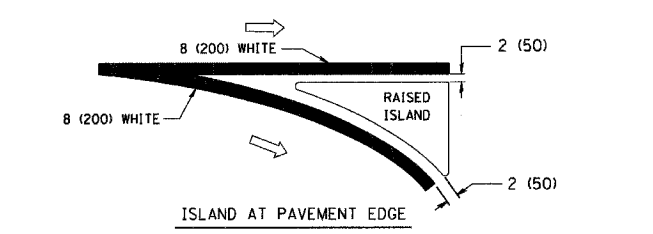
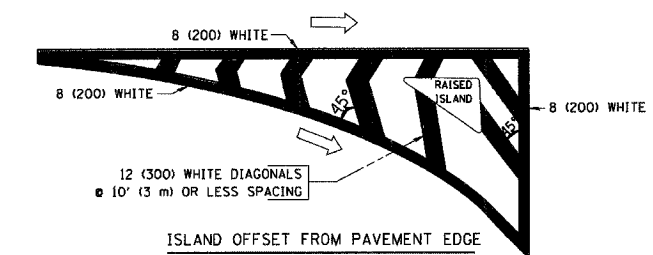
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

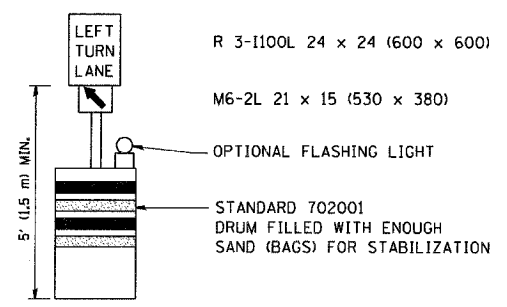
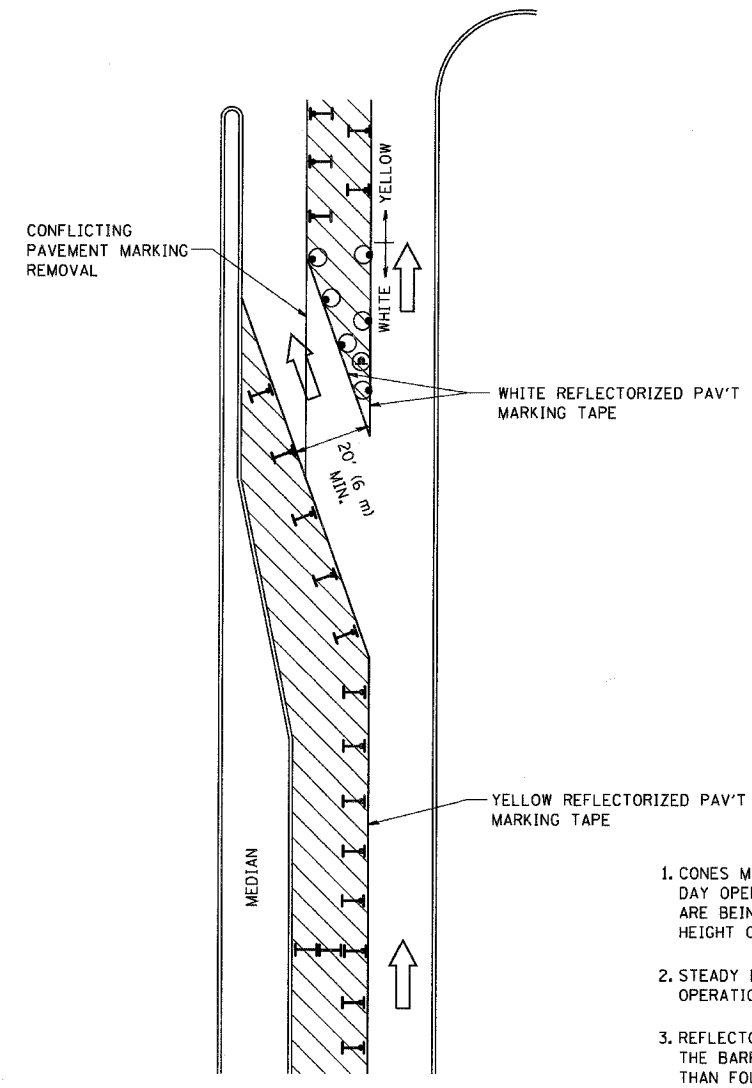
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DRAWN BY CADD
CHECKED BY

PLOT DATE = 3/6/2007
FILE NAME = K:\v\stata\td\1.dgn
PLOT SCALE = 1/8" = 1'-0"
USER NAME = lbauerdl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			606	446
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

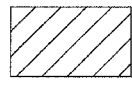







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

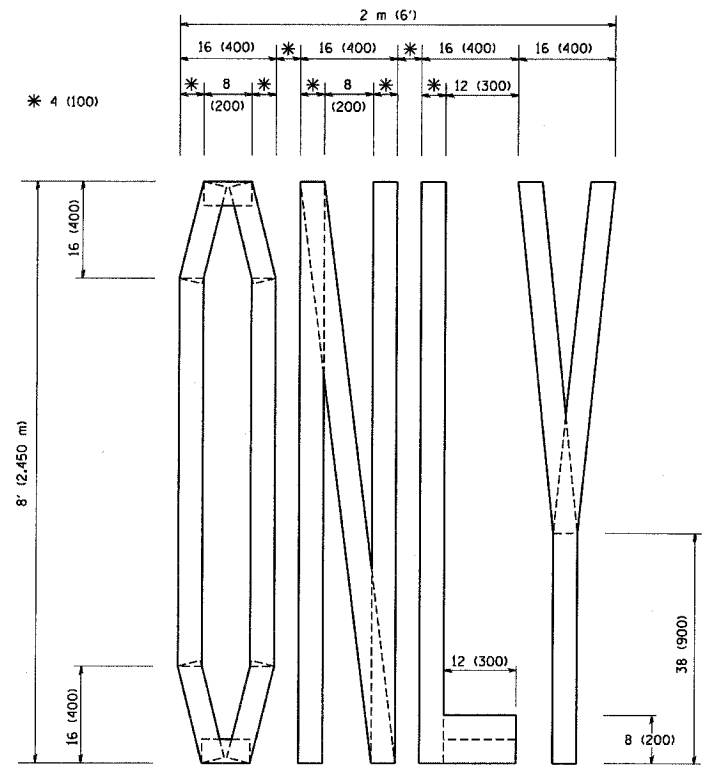
REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

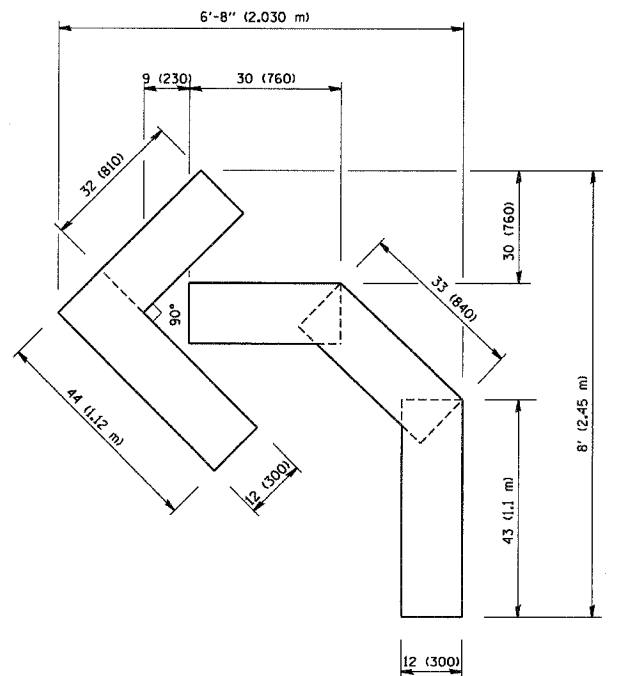
SCALE: NONE
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 CHECKED BY LHA
 TC-14

PLOT DATE = 3/6/2007
 PLOT SCALE = 8400000 7 IN
 USER NAME = bboard

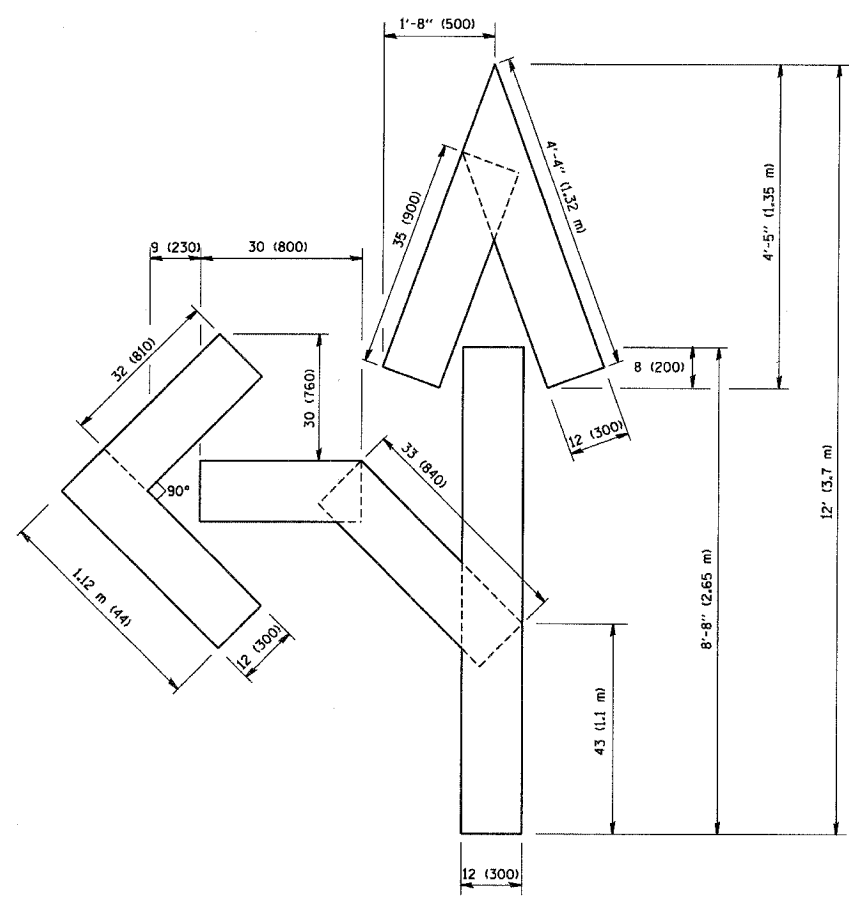
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	447
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE

DRAWN BY CADD

CHECKED BY
 TC-16

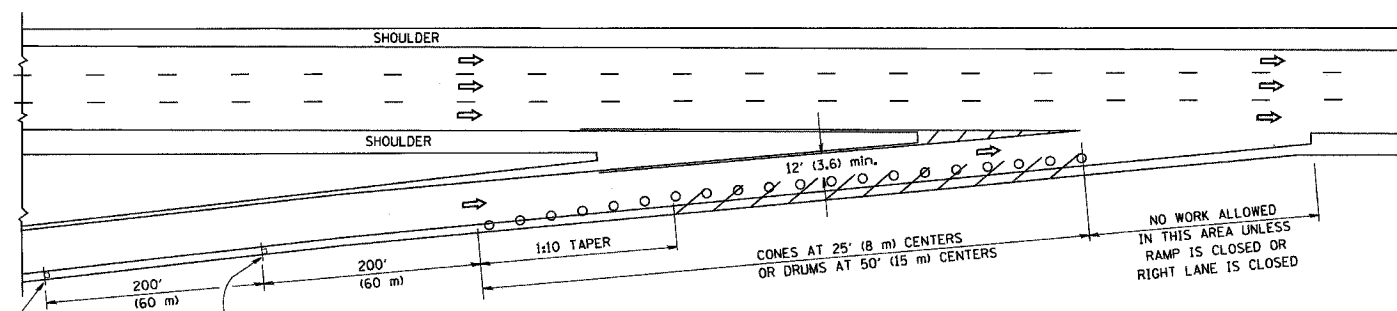
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	448

PARTIAL RAMP CLOSURE DETAILS

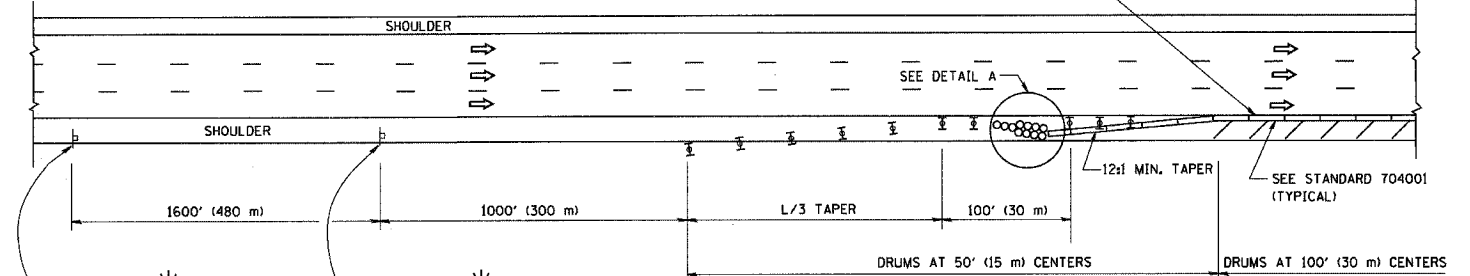
SHOULDER CLOSURE DETAILS

REFLECTIVE 6 (150) EDGE LINE ON LOWER SLOPE OF WALL (LEFT EDGE YELLOW, RIGHT EDGE WHITE)

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

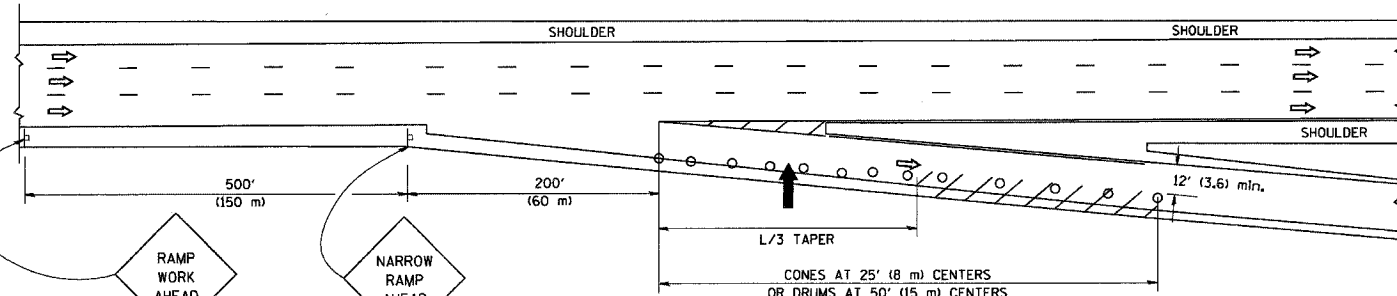


TYPICAL ENTRANCE RAMP

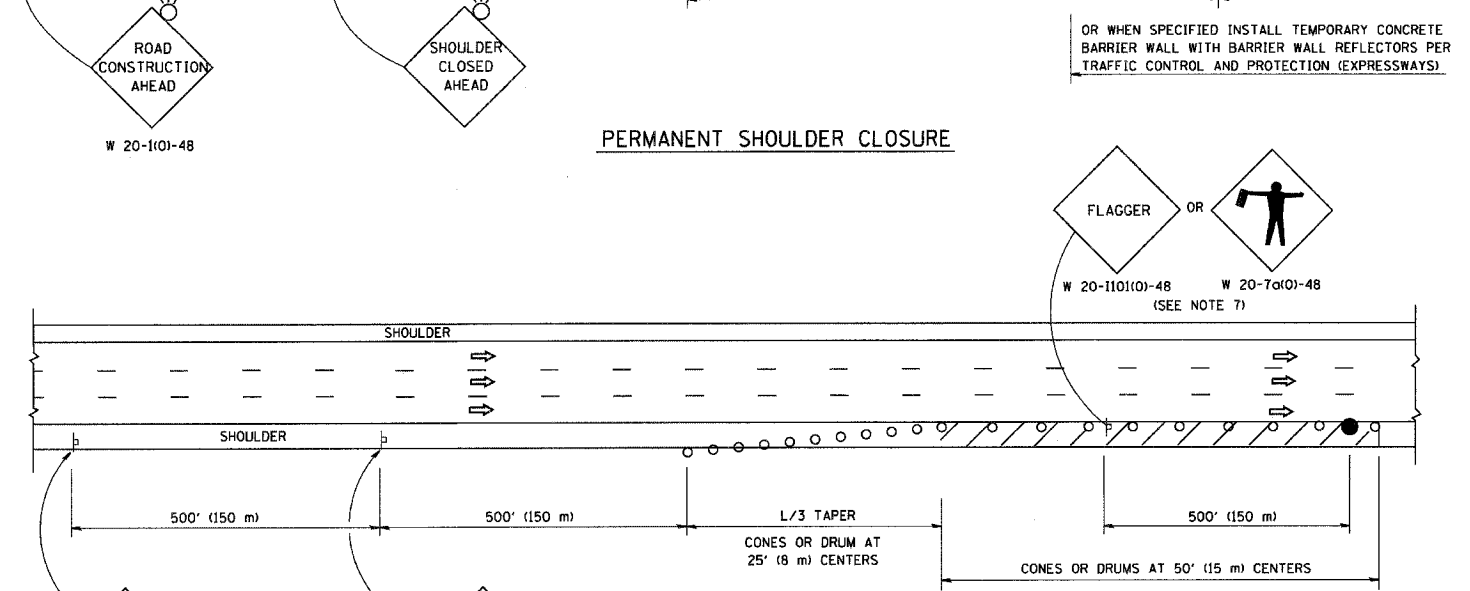


PERMANENT SHOULDER CLOSURE

OR WHEN SPECIFIED INSTALL TEMPORARY CONCRETE BARRIER WALL WITH BARRIER WALL REFLECTORS PER TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)

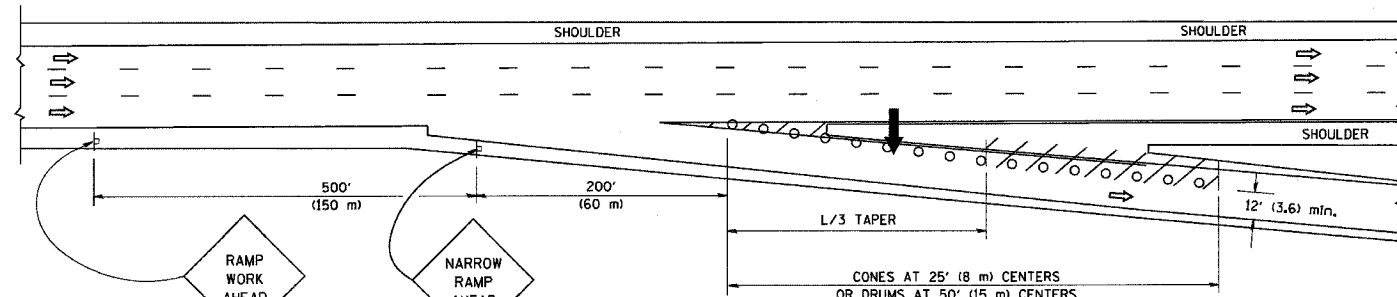


TYPICAL EXIT RAMP

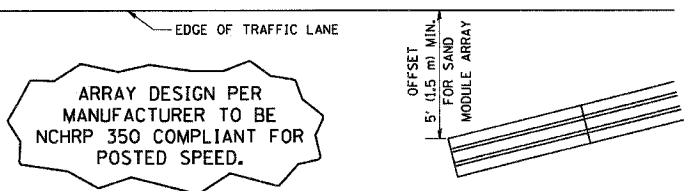


DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



TYPICAL EXIT RAMP



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: L=0.65(WXS) L=(WXS)
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03
JAF	2/06
SPB	1/07

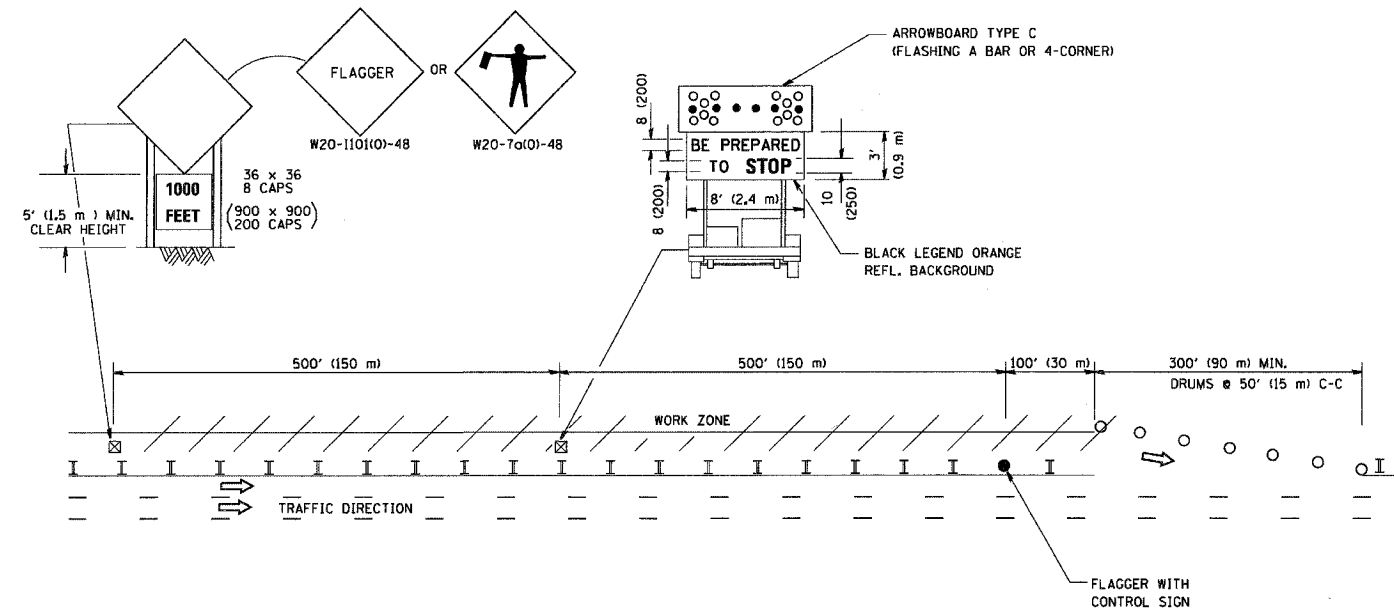
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
SHOULDER CLOSURES
PARTIAL RAMP CLOSURES
DESIGNED BY: DWS
DRAWN BY:
CHECKED BY:
SCALE: NONE

PLOT DATE = 3/7/2007
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 PLOT SCALE = 800000000 / 1 IN.
 USER NAME = baward

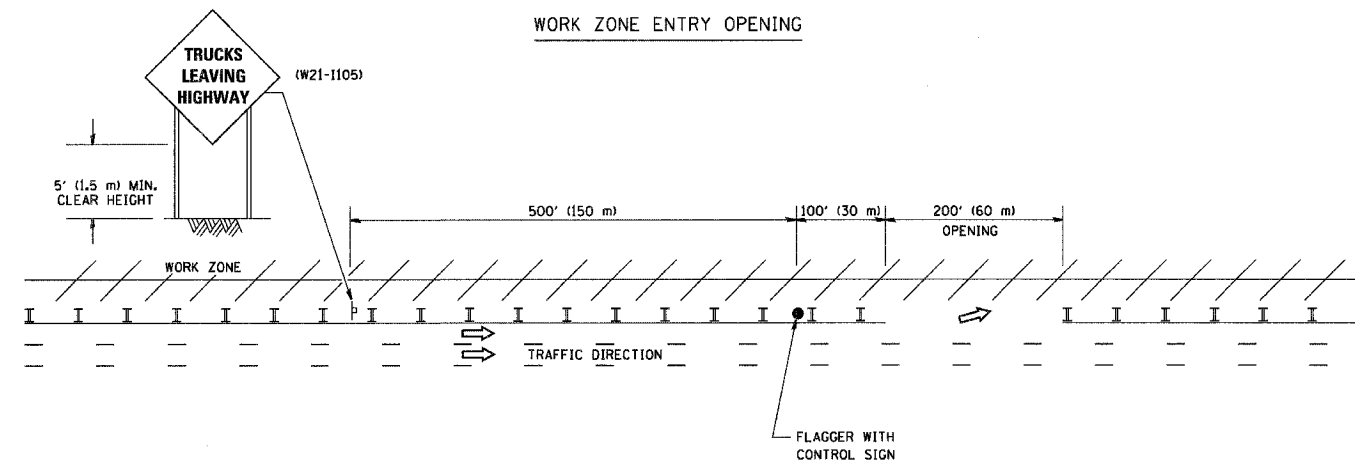
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	449
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

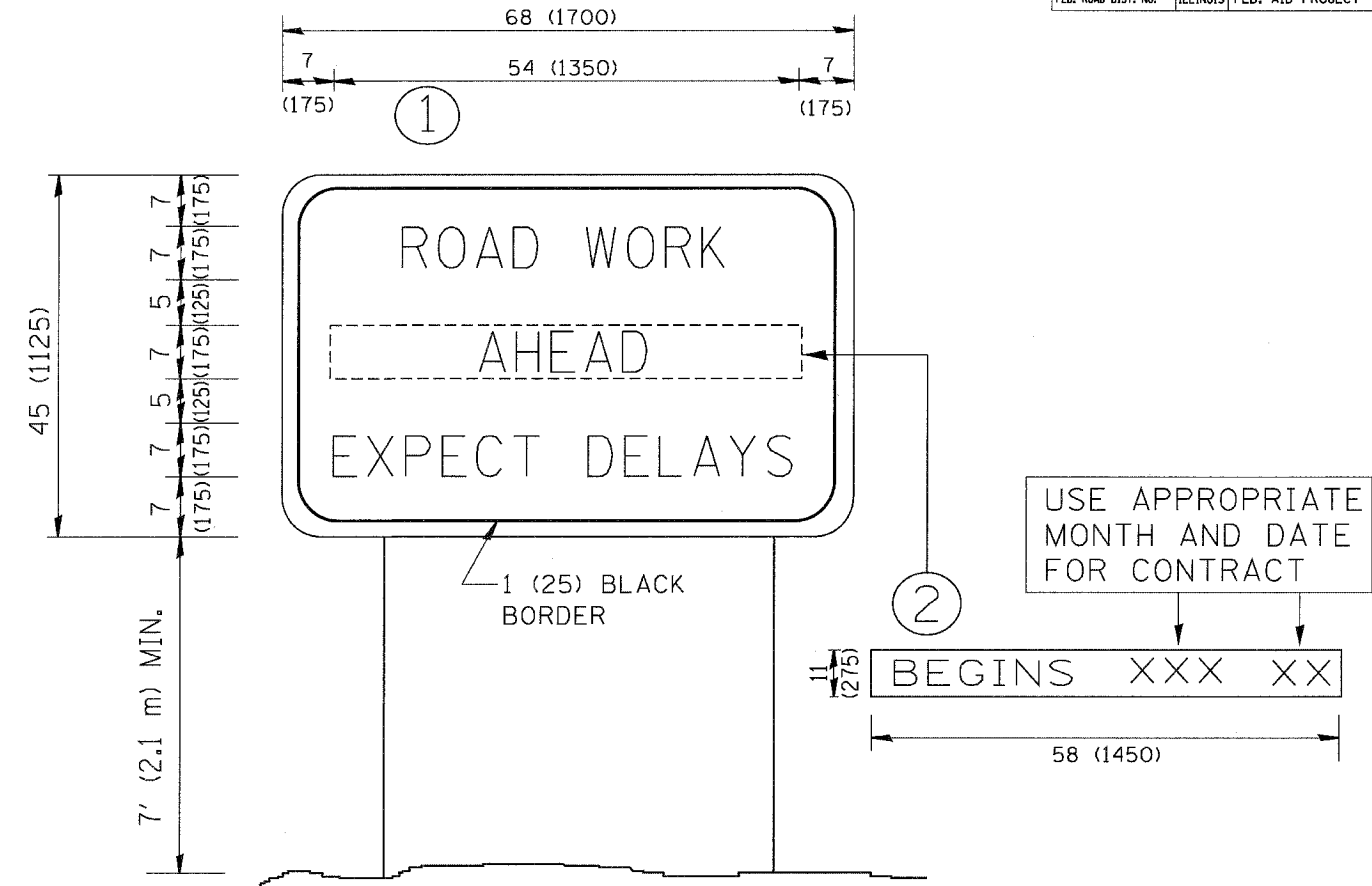
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE
DRAWN BY CADD
CHECKED BY
TC-18

PLOT DATE = 3/7/2007
FILE NAME = K:\data\1\18.dgn
PLOT SCALE = 80000 / IN.
USER NAME = bbaard



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

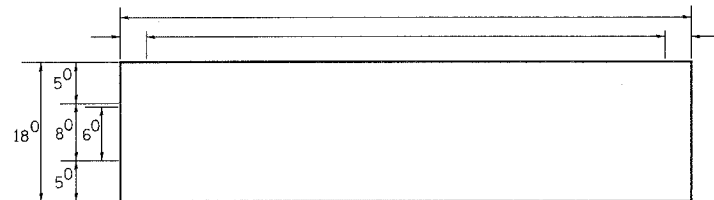
REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ARTERIAL ROAD
INFORMATION SIGN**

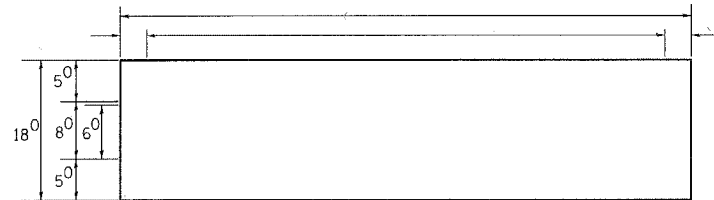
SCALE: NONE
DRAWN BY DESIGN
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	451
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PANEL SIGN DESIGN TYPE 1



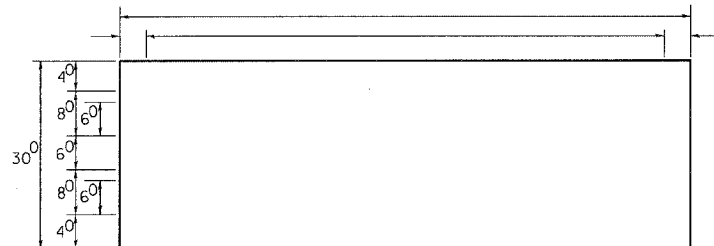
___ Sq. M. each
 ___ Sq. Ft. each
 ___ Required
 Design Series ___



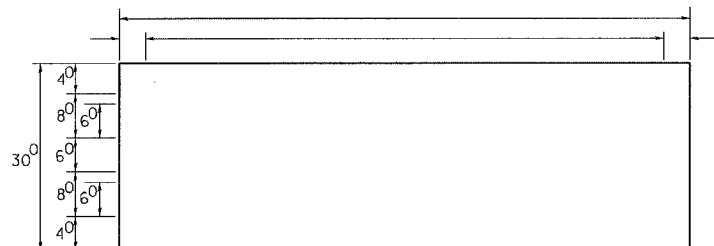
___ Sq. M. each
 ___ Sq. Ft. each
 ___ Required
 Design Series ___

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

PANEL SIGN DESIGN TYPE 2



___ Sq. M. each
 ___ Sq. Ft. each
 ___ Required
 Design Series ___



___ Sq. M. each
 ___ Sq. Ft. each
 ___ Required
 Design Series ___

GENERAL NOTES

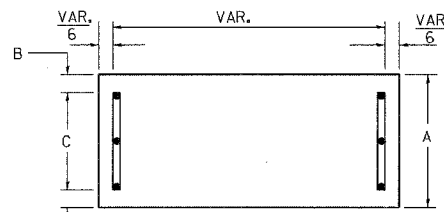
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * A.K.T. CORPORATION, SCHAUMBURG, IL
 - * TUCKER COMPANY, INC., WAUWATOSA, WI
 - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
 - * WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING

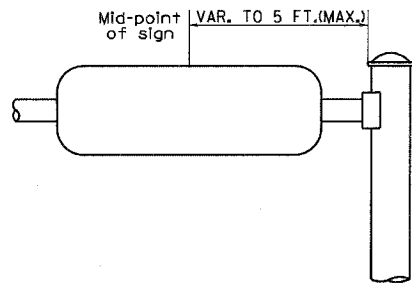
SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

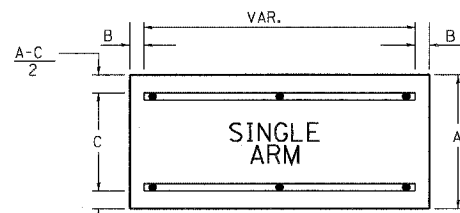
SUPPORTING CHANNELS



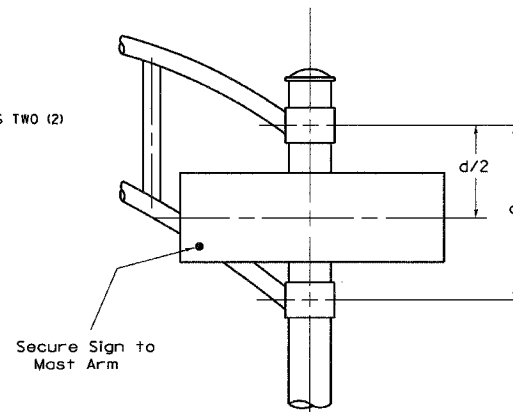
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM Shall be used. See Note #5.

Upper Case to Lower Case Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2³ DENOTES 3/8"

FIRST LETTER	SECOND LETTER															
	a		c		d		e		g		o		q		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case to Lower Case Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER															
	a		c		d		e		g		o		q		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
b f k o p s	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number to Number Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	14	15	11	12	14	15	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				6 INCH LOWER CASE LETTERS			
	SERIES		SERIES		SERIES		SERIES		SERIES		SERIES	
	C	D	C	D	C	D	C	D	C	D	C	D
A	36	50	50	65	a	35	42					
B	32	40	43	53	b	35	42					
C	32	40	43	53	c	35	41					
D	32	40	43	53	d	35	42					
E	30	35	40	47	e	35	42					
F	30	35	40	47	f	23	26					
G	32	40	43	53	g	35	42					
H	32	40	43	53	h	35	42					
I	07	07	11	12	i	11	11					
J	30	36	40	50	j	20	22					
K	32	41	43	54	k	35	42					
L	30	35	40	47	l	11	11					
M	37	45	51	61	m	60	70					
N	32	40	43	53	n	35	42					
O	34	42	45	55	o	36	43					
P	32	40	43	53	p	35	42					
Q	34	42	45	55	q	35	42					
R	32	40	43	53	r	26	32					
S	32	40	43	53	s	36	42					
T	30	35	40	47	t	27	32					
U	32	40	43	53	u	35	42					
V	35	44	47	60	v	42	47					
W	44	52	60	70	w	55	64					
X	34	40	45	53	x	44	51					
Y	36	50	50	66	y	46	53					
Z	32	40	43	53	z	36	43					

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

REVISIONS	
NAME	DATE
CREATED	2/79
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/01/00

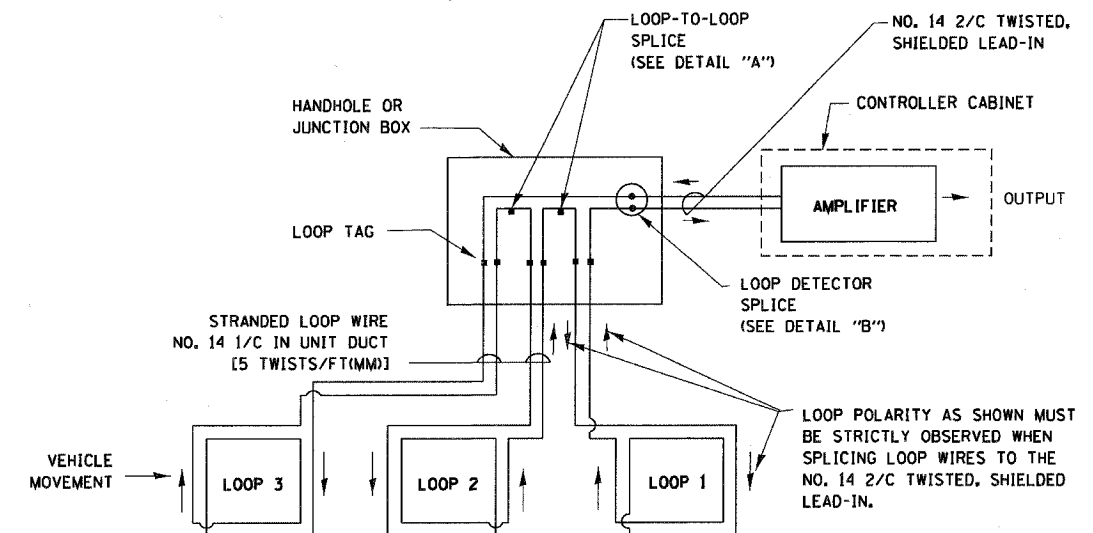
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 MAST ARM MOUNTED STREET NAME SIGNS
 SCALE: NONE
 DRAWN BY TJR
 CHECKED BY RFK
 TS 2

PLOT DATE = 3/7/2007
 FILE NAME = K:\projects\1402.dgn
 PLOT SCALE = 0.800000 / IN.
 USER NAME = baumard

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	452
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

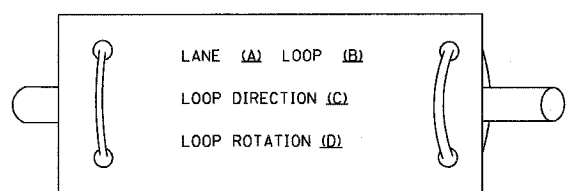
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



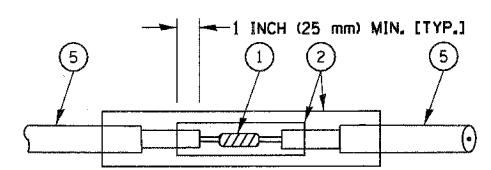
DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

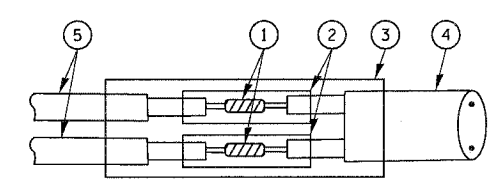
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS**

SCALE: NONE

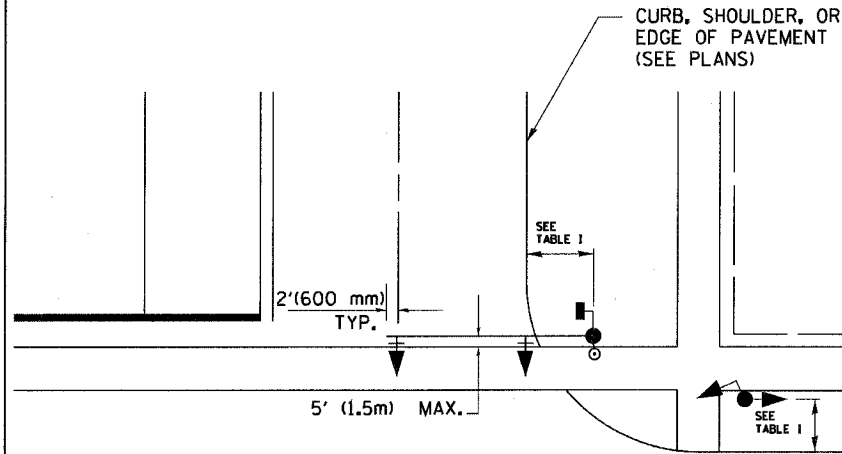
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DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

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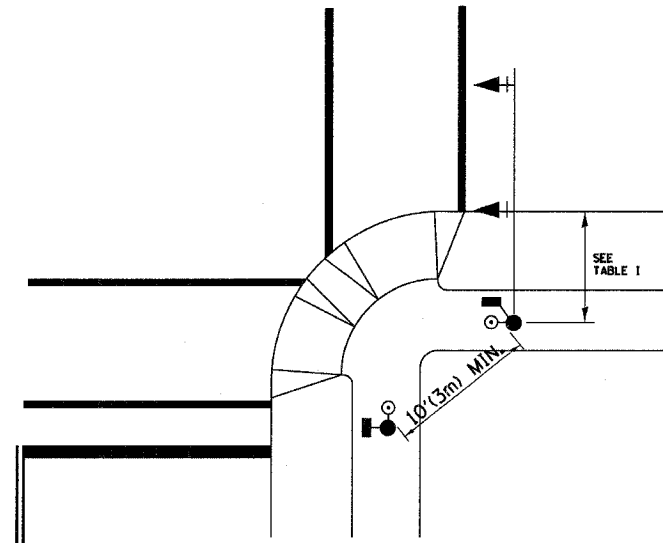
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	493
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA, INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

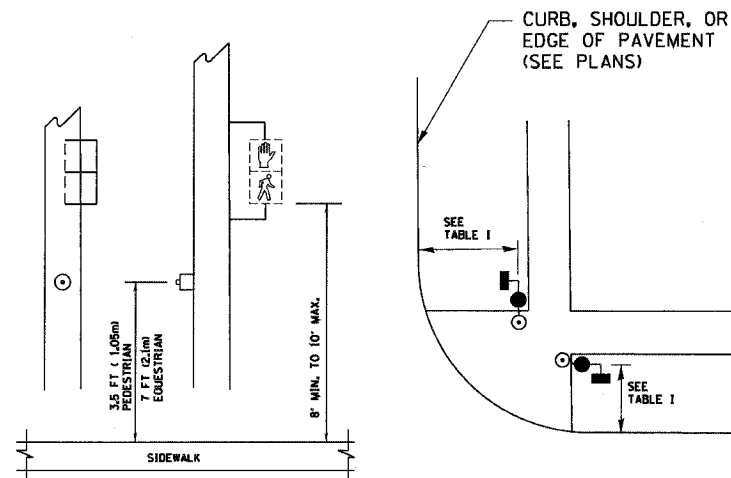


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

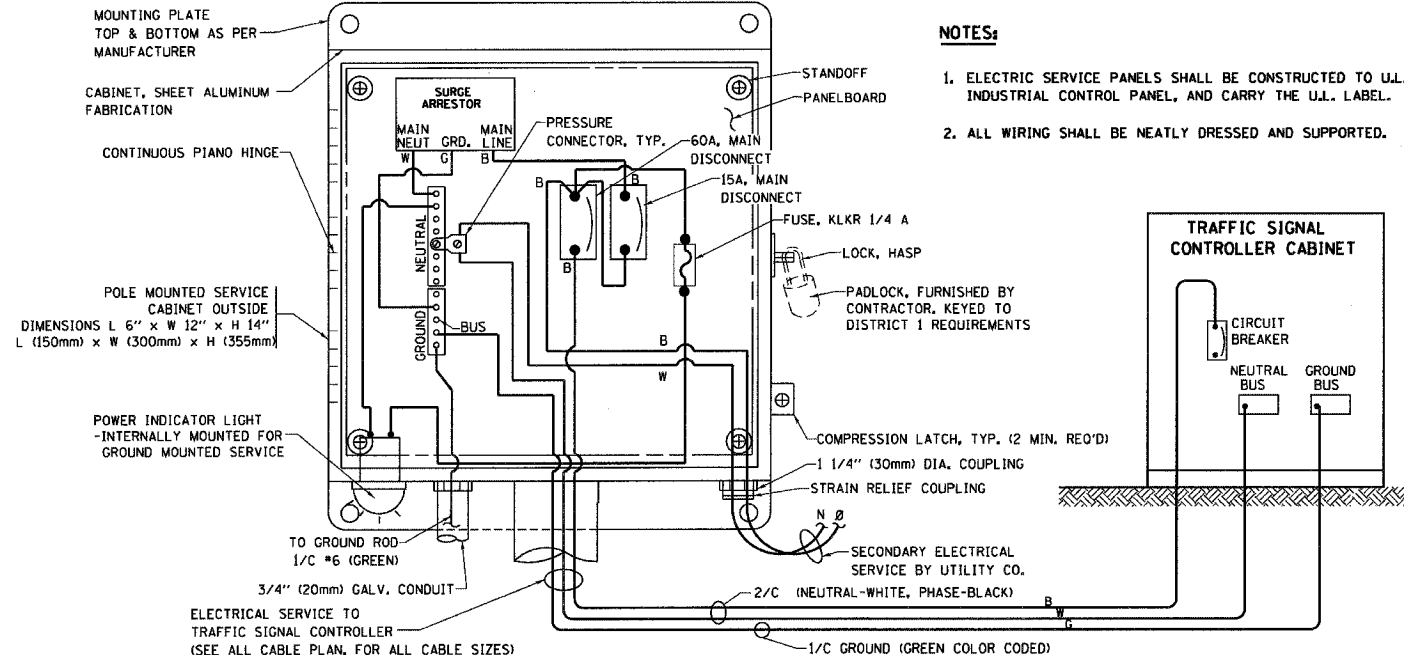
DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

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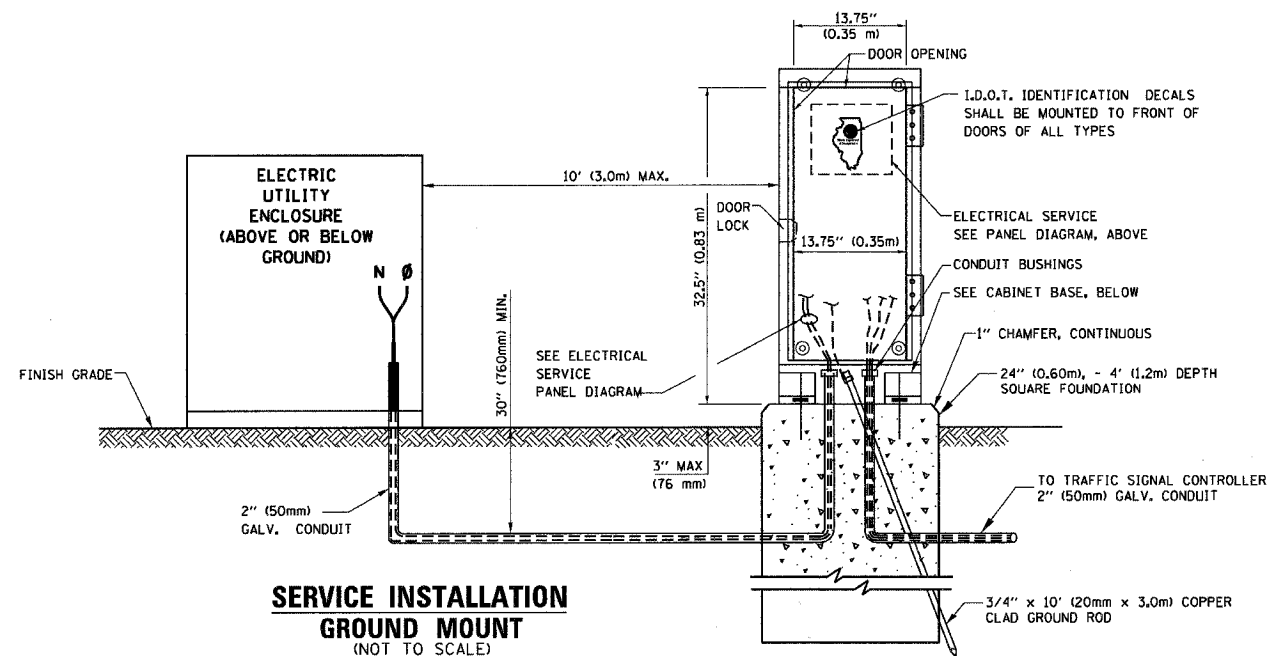
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DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

TS05

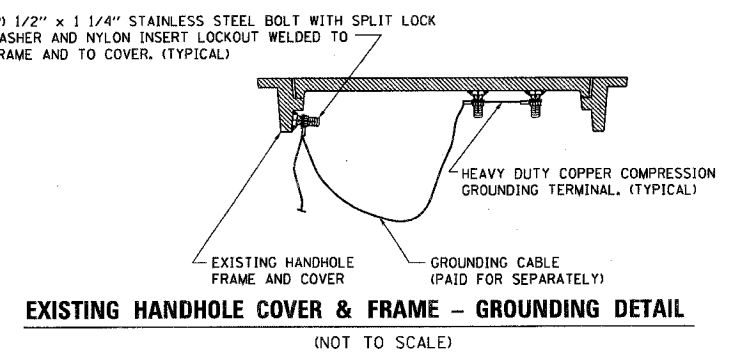
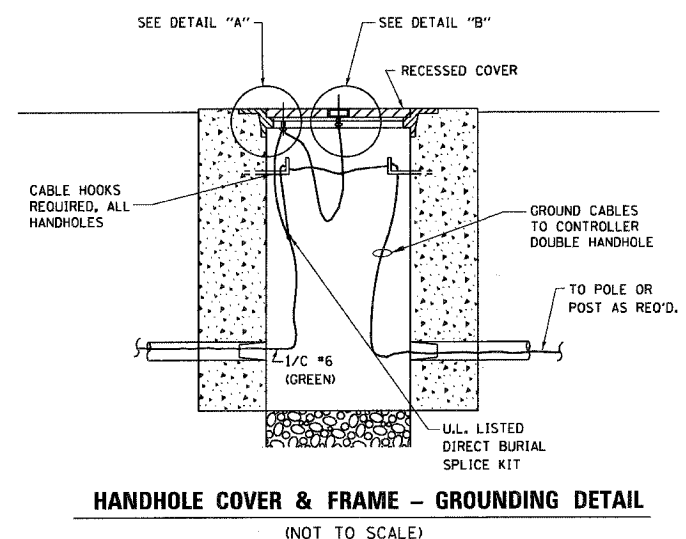
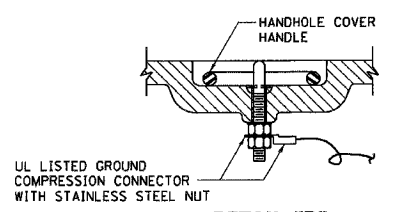
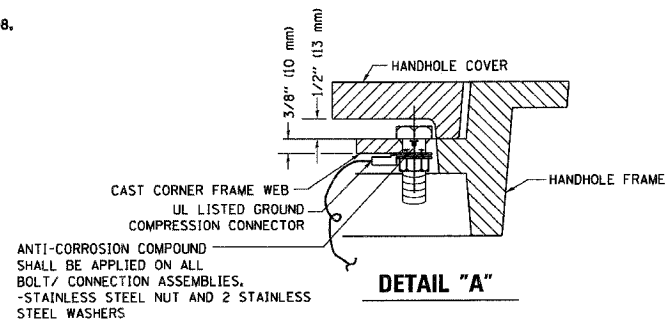
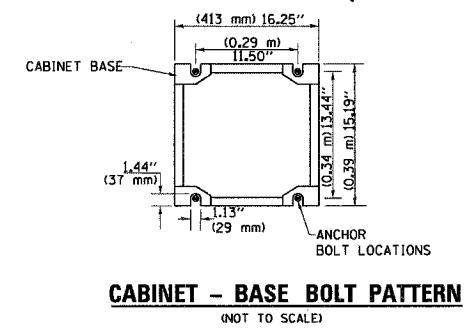
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	454
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



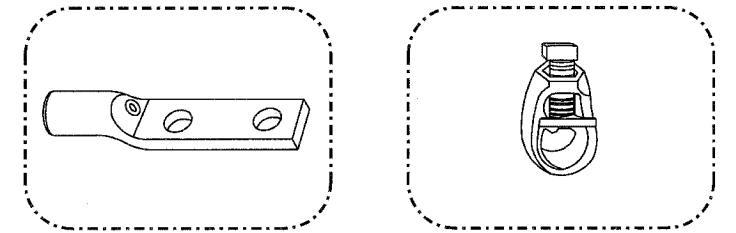
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



NOTES:

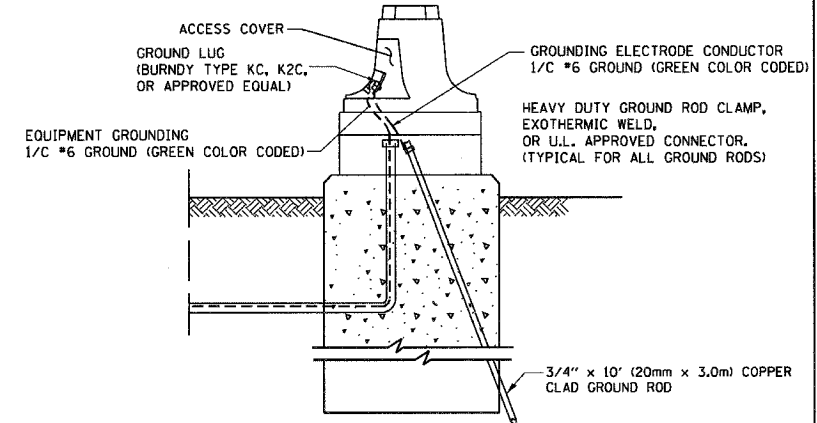
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

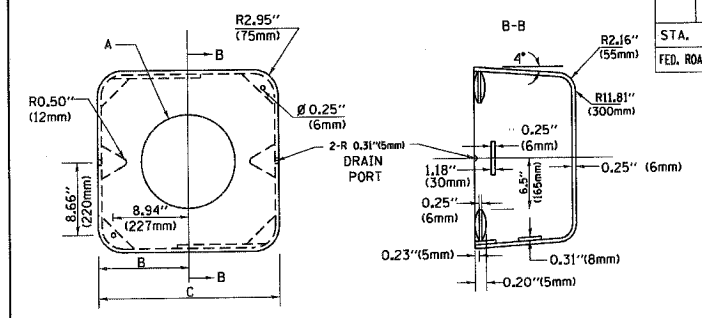
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DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

TS05

PLOT DATE = 2/7/2007
 FILE NAME = N:\V\145\ts05.dgn
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 USER NAME = bauer-d

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			608	455
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

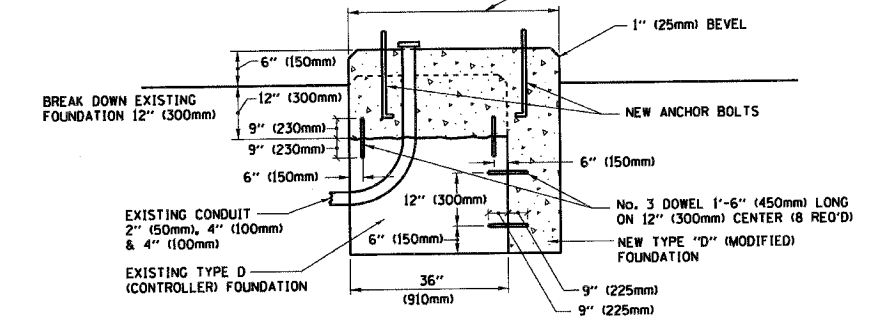


MATERIAL:
 - ASTM A48 CLASS 30 GREY IRON
 - ASTM A123 HOT DIPPED GALVANIZED

TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm)	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg

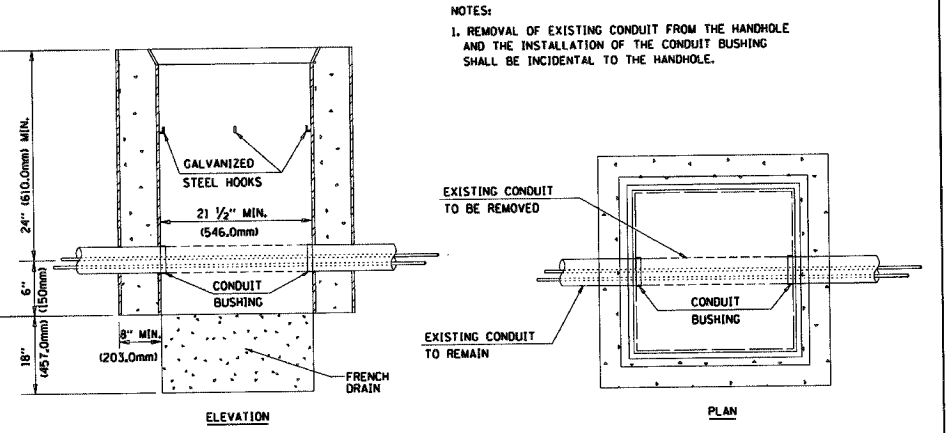
SHROUD DETAIL

NOTE:
 SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



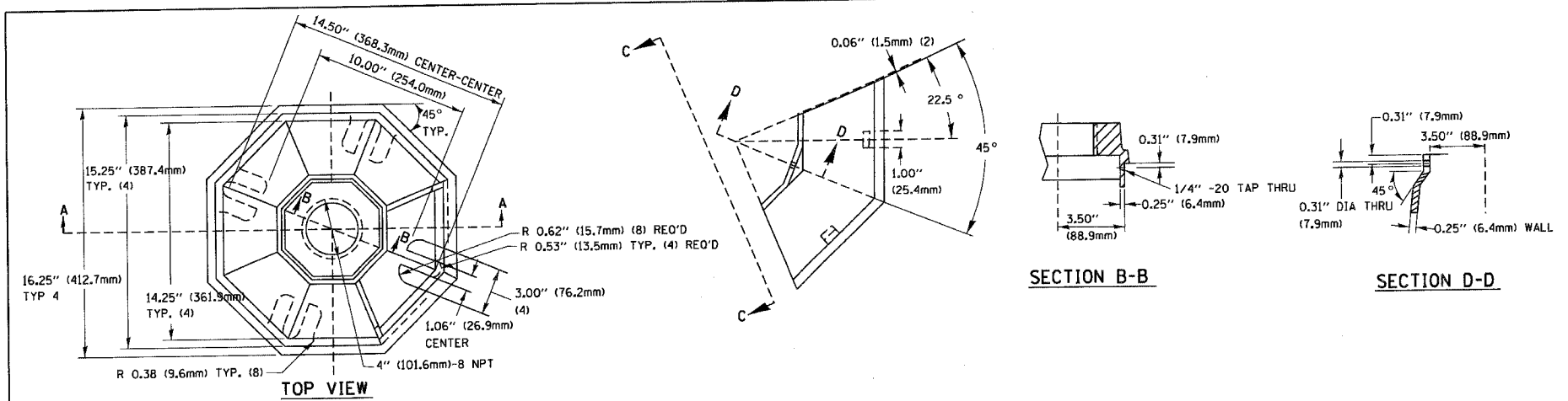
DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT N.T.S.

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

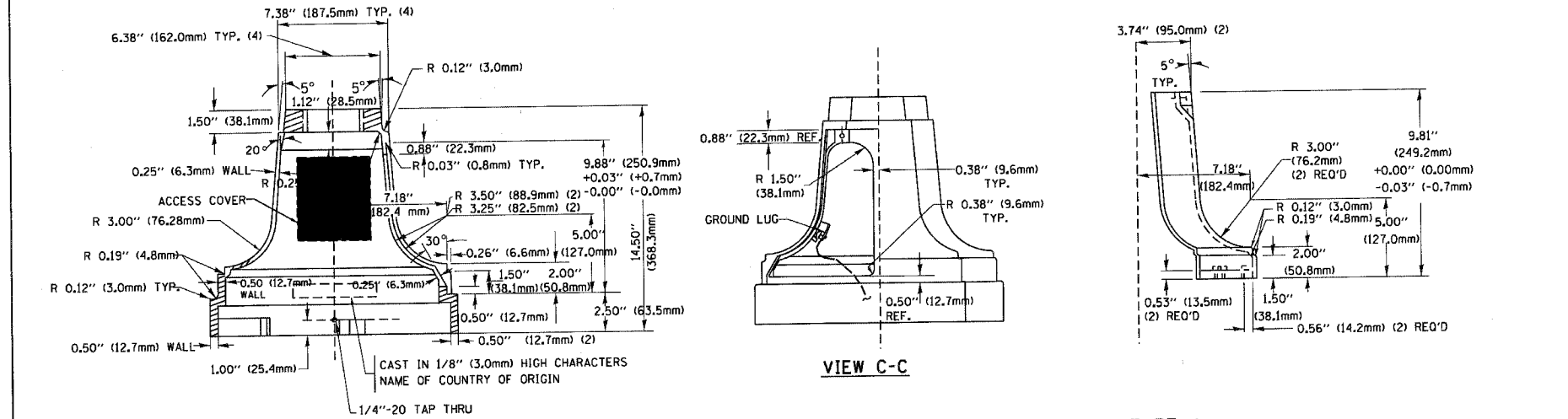
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 DESIGNED BY: DAD
 CHECKED BY: OAZ
 SHEET 4 OF 4
 TSO5



SECTION B-B

SECTION D-D



SECTION A-A

VIEW C-C

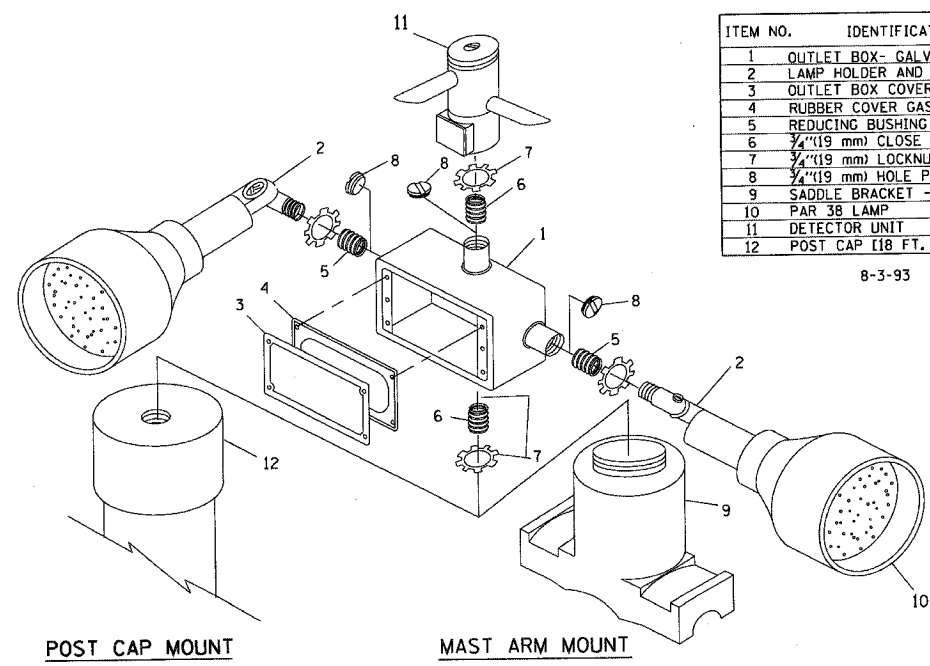
TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

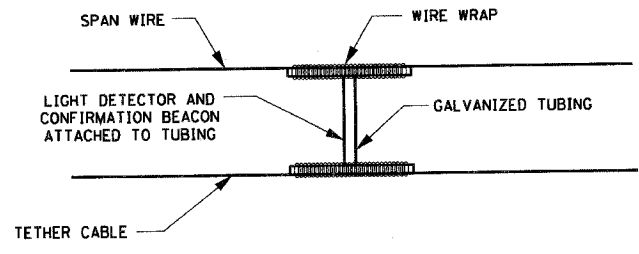
8-3-93



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

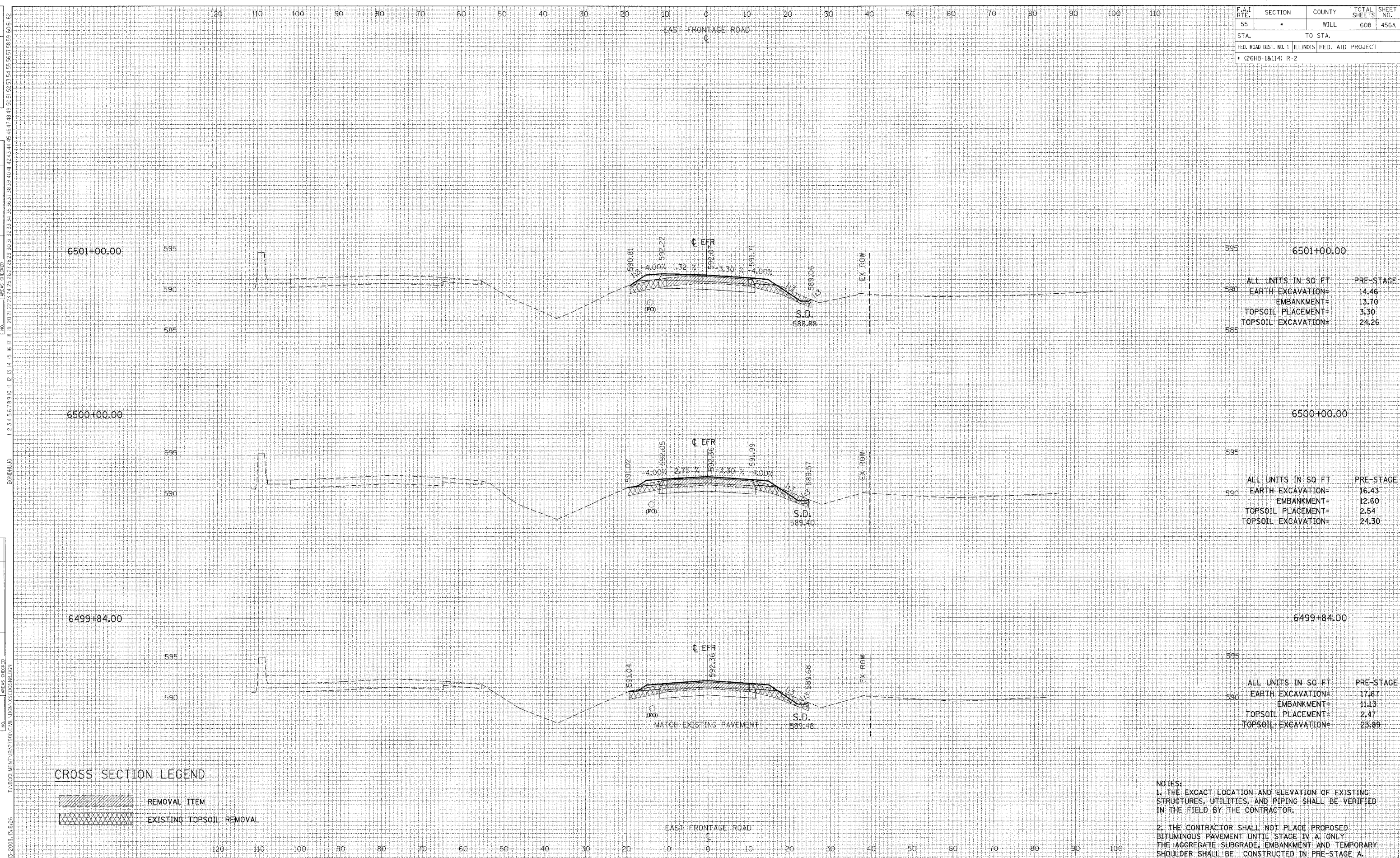
PLOT DATE = 3/7/2007
 PLOT SCALE = 50.0000 / IN.
 USER NAME = bward

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	456A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
• (26HB-1&114) R-2				

REVISIONS	DATE

BY	DATE

BY	DATE



ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	14.46
EMBANKMENT=	13.70
TOPSOIL PLACEMENT=	3.30
TOPSOIL EXCAVATION=	24.26

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	16.43
EMBANKMENT=	12.60
TOPSOIL PLACEMENT=	2.54
TOPSOIL EXCAVATION=	24.30

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	17.67
EMBANKMENT=	11.13
TOPSOIL PLACEMENT=	2.47
TOPSOIL EXCAVATION=	23.89

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTES:

- THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV (A) ONLY. THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

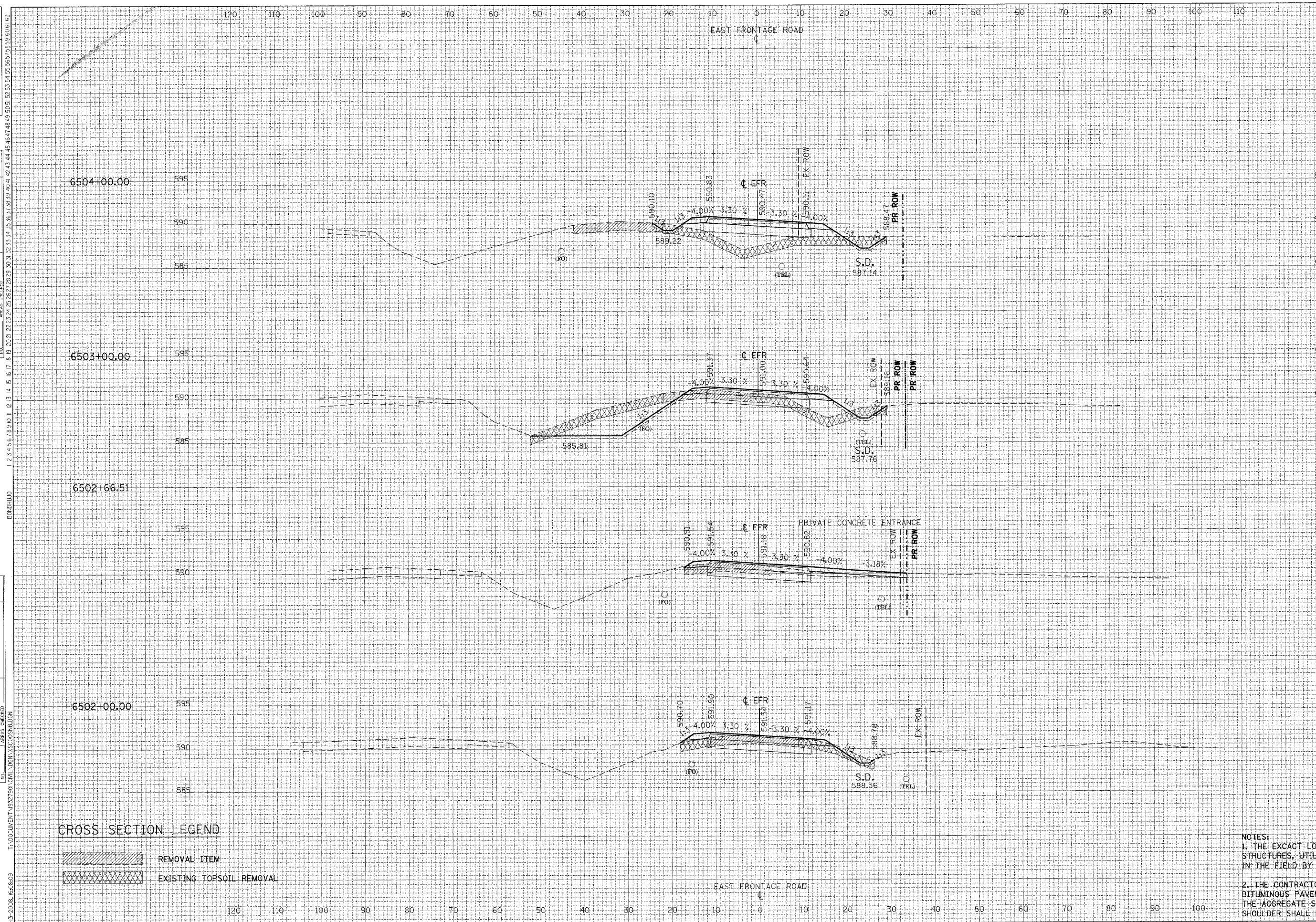
REVISIONS	DATE

BY	DATE

FINAL SURVEY	PLOTTED	TEMPLATE	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	PLOTTED	TEMPLATE	AREAS CHECKED



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	457

STA.	TO STA.
FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT

(26HB-18.114) R-2

STATION	ALL UNITS IN SQ FT	PRE-STAGE
6504+00.00	EARTH EXCAVATION=	2.81
6504+00.00	EMBANKMENT=	83.64
6504+00.00	TOPSOIL PLACEMENT=	6.36
6504+00.00	TOPSOIL EXCAVATION=	51.02
6503+00.00	EARTH EXCAVATION=	56.06
6503+00.00	EMBANKMENT=	29.37
6503+00.00	TOPSOIL PLACEMENT=	15.62
6503+00.00	TOPSOIL EXCAVATION=	61.17
6502+00.00	EARTH EXCAVATION=	15.12
6502+00.00	EMBANKMENT=	11.99
6502+00.00	TOPSOIL PLACEMENT=	3.32
6502+00.00	TOPSOIL EXCAVATION=	24.27

CROSS SECTION LEGEND

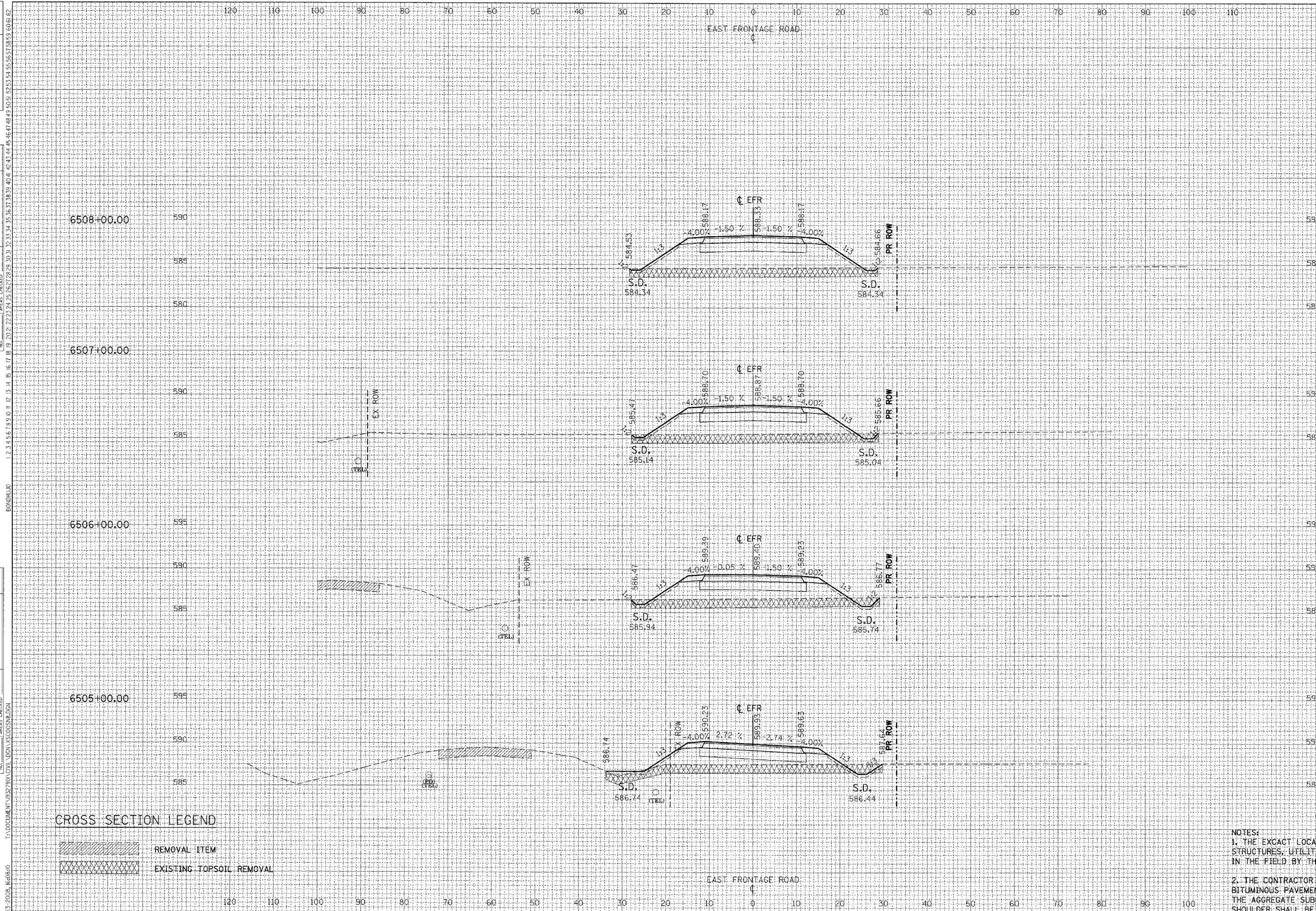
	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTES:
 1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
 2. THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV 'A' ONLY. THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

REVISIONS	DATE

BY	DATE

BY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		WILL	608	458
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT		PRE-STAGE
EARTH EXCAVATION=	0.00	
EMBANKMENT=	143.97	
TOPSOIL PLACEMENT=	7.55	
TOPSOIL EXCAVATION=	57.02	

ALL UNITS IN SQ FT		PRE-STAGE
EARTH EXCAVATION=	0.00	
EMBANKMENT=	121.25	
TOPSOIL PLACEMENT=	7.41	
TOPSOIL EXCAVATION=	56.63	

ALL UNITS IN SQ FT		PRE-STAGE
EARTH EXCAVATION=	0.98	
EMBANKMENT=	109.85	
TOPSOIL PLACEMENT=	7.55	
TOPSOIL EXCAVATION=	57.00	

ALL UNITS IN SQ FT		PRE-STAGE
EARTH EXCAVATION=	1.85	
EMBANKMENT=	109.82	
TOPSOIL PLACEMENT=	9.67	
TOPSOIL EXCAVATION=	63.41	

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTES:
 1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
 2. THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV A. ONLY THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

REV	DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

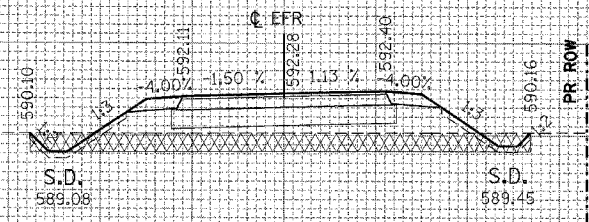
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	461

STA.	TO STA.
6519+00.00	6519+00.00

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
• (26HB-1&114)	R-2	

6519+00.00

595
590

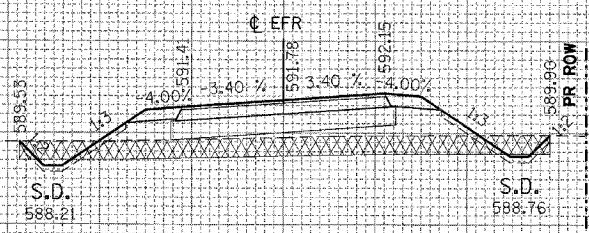


595
590

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	1.13
EMBANKMENT=	69.18
TOPSOIL PLACEMENT=	6.71
TOPSOIL EXCAVATION=	54.52

6518+00.00

595
590
585

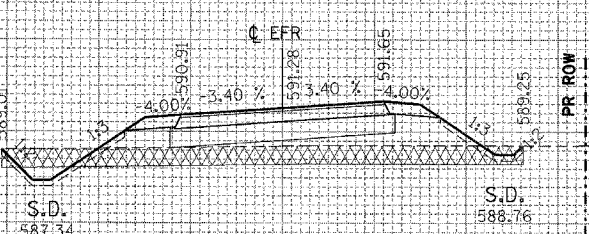


595
590
585

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	3.94
EMBANKMENT=	64.78
TOPSOIL PLACEMENT=	7.80
TOPSOIL EXCAVATION=	57.78

6517+00.00

595
590
585

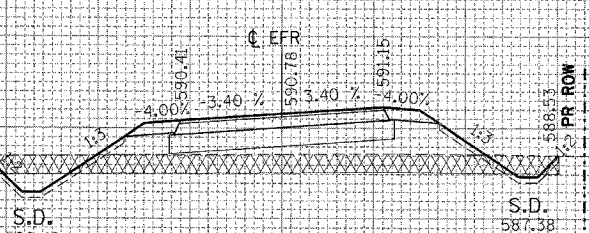


595
590
585

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	4.72
EMBANKMENT=	67.14
TOPSOIL PLACEMENT=	7.46
TOPSOIL EXCAVATION=	56.76

6516+00.00

595
590
585



595
590
585

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	8.88
EMBANKMENT=	72.60
TOPSOIL PLACEMENT=	9.35
TOPSOIL EXCAVATION=	62.42

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

- NOTES:
- THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV 'A'. ONLY THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE 'A'.

EAST FRONTAGE ROAD

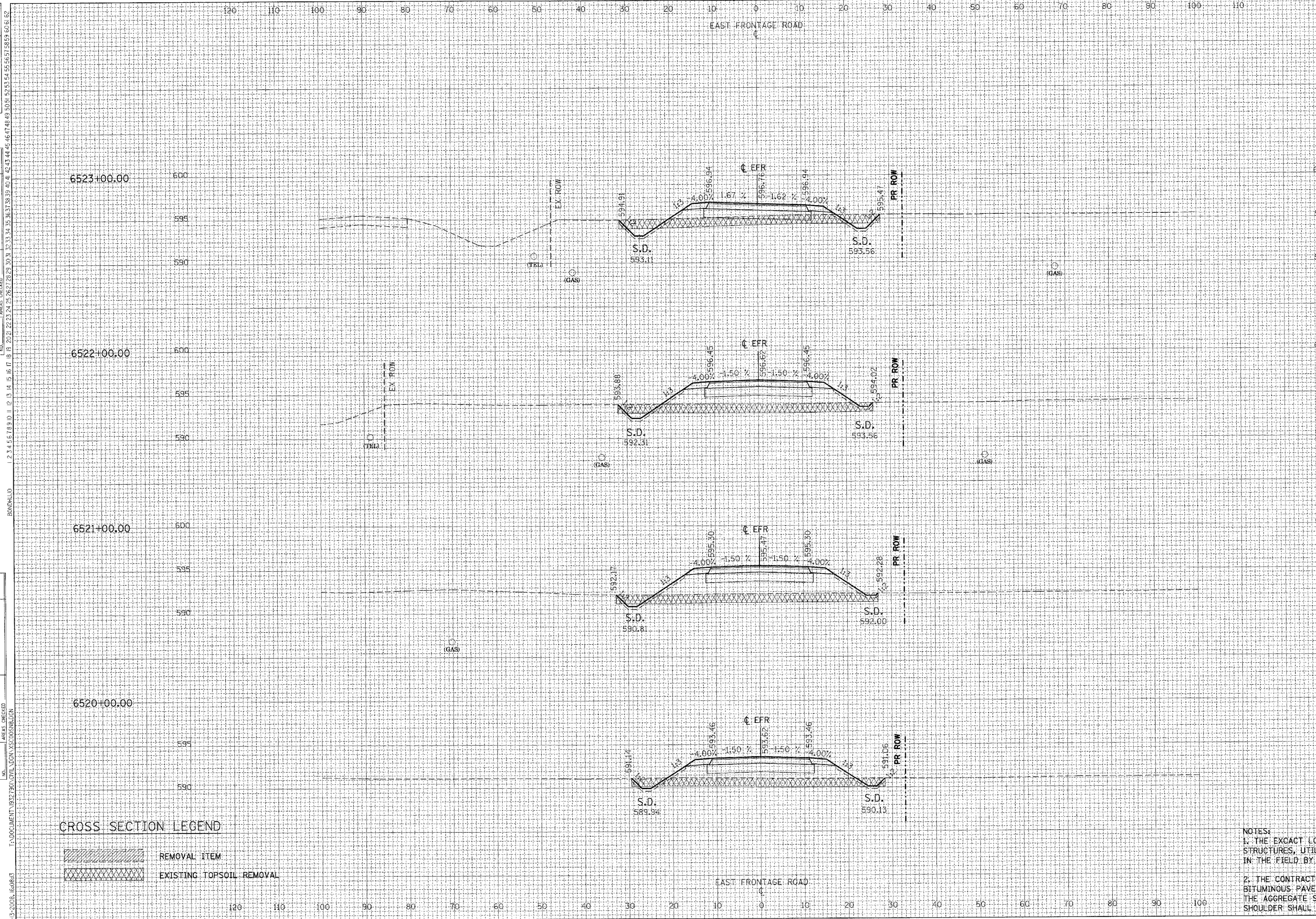
EAST FRONTAGE ROAD - PRE-STAGE

REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	462
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
• (26HB-18114) R-2				

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	9.81
EMBANKMENT=	40.22
TOPSOIL PLACEMENT=	8.38
TOPSOIL EXCAVATION=	59.50

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	3.94
EMBANKMENT=	90.07
TOPSOIL PLACEMENT=	7.93
TOPSOIL EXCAVATION=	58.15

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	2.45
EMBANKMENT=	116.53
TOPSOIL PLACEMENT=	8.45
TOPSOIL EXCAVATION=	59.83

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	2.62
EMBANKMENT=	80.00
TOPSOIL PLACEMENT=	7.83
TOPSOIL EXCAVATION=	57.79

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

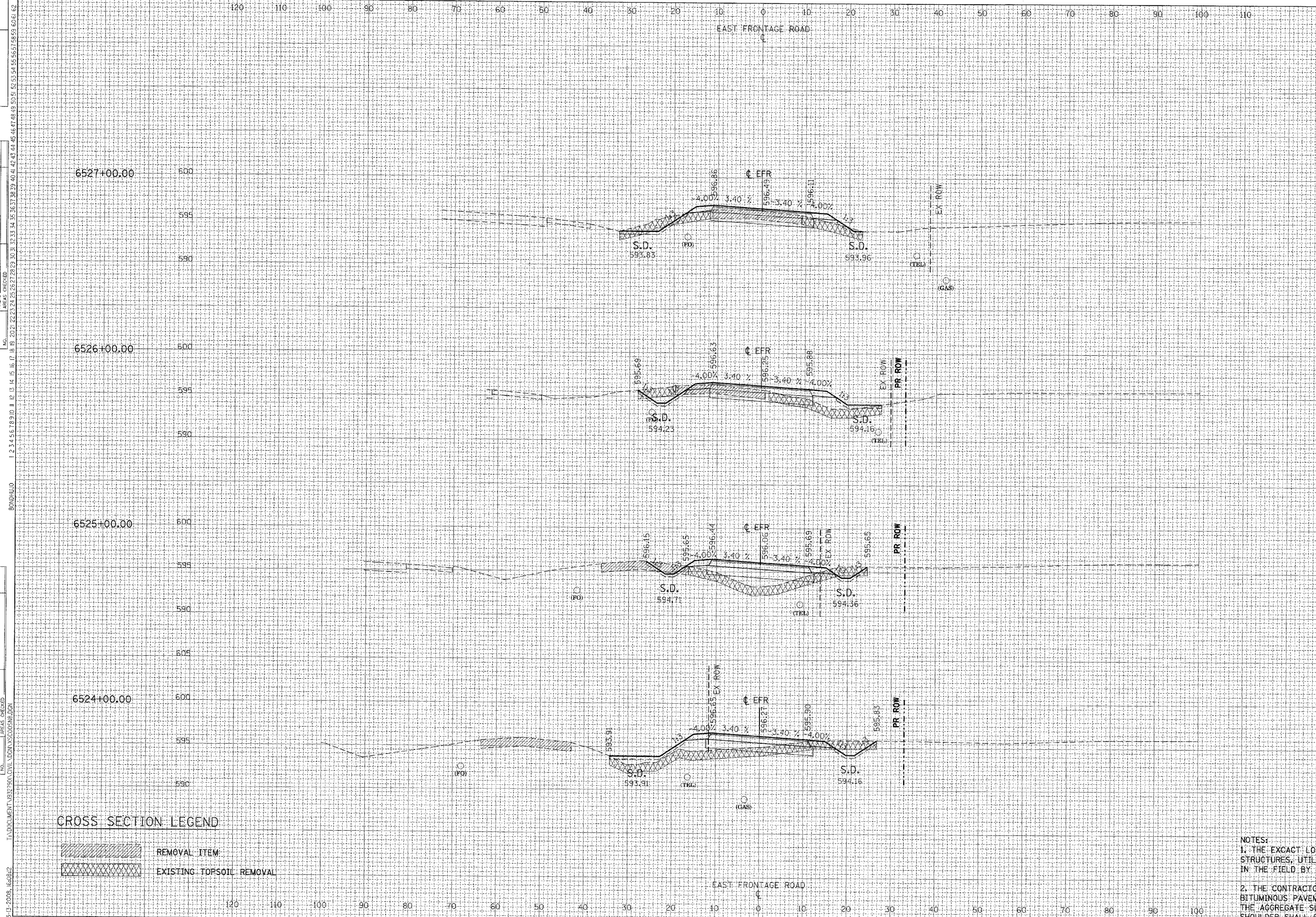
NOTES:
 1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
 2. THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV A. ONLY THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

REVISIONS	DATE

DATE	BY

DATE	BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	463
STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26HB-1&114) R-2				



ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	11.50
EMBANKMENT=	19.03
TOPSOIL PLACEMENT=	7.03
TOPSOIL EXCAVATION=	34.63

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	12.45
EMBANKMENT=	27.80
TOPSOIL PLACEMENT=	7.08
TOPSOIL EXCAVATION=	34.30

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	4.10
EMBANKMENT=	52.92
TOPSOIL PLACEMENT=	5.35
TOPSOIL EXCAVATION=	40.78

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	7.70
EMBANKMENT=	47.92
TOPSOIL PLACEMENT=	8.86
TOPSOIL EXCAVATION=	60.43

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTES:

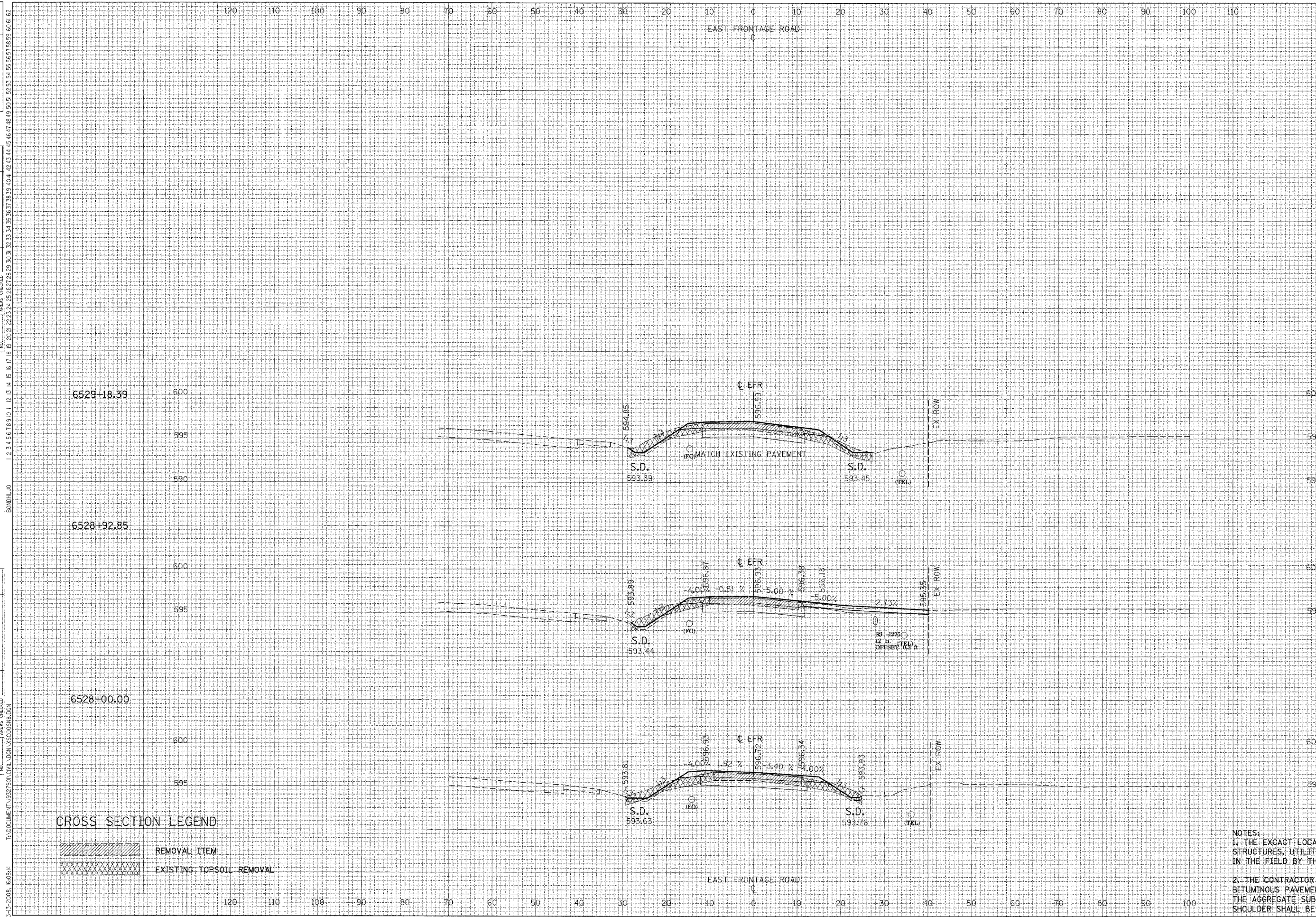
1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV A ONLY. THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

REVISIONS	DATE

BY	DATE

DATE

DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	464
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	19.55
EMBANKMENT=	12.93
TOPSOIL PLACEMENT=	7.20
TOPSOIL EXCAVATION=	36.29

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	16.15
EMBANKMENT=	13.00
TOPSOIL PLACEMENT=	6.65
TOPSOIL EXCAVATION=	34.22

CROSS SECTION LEGEND

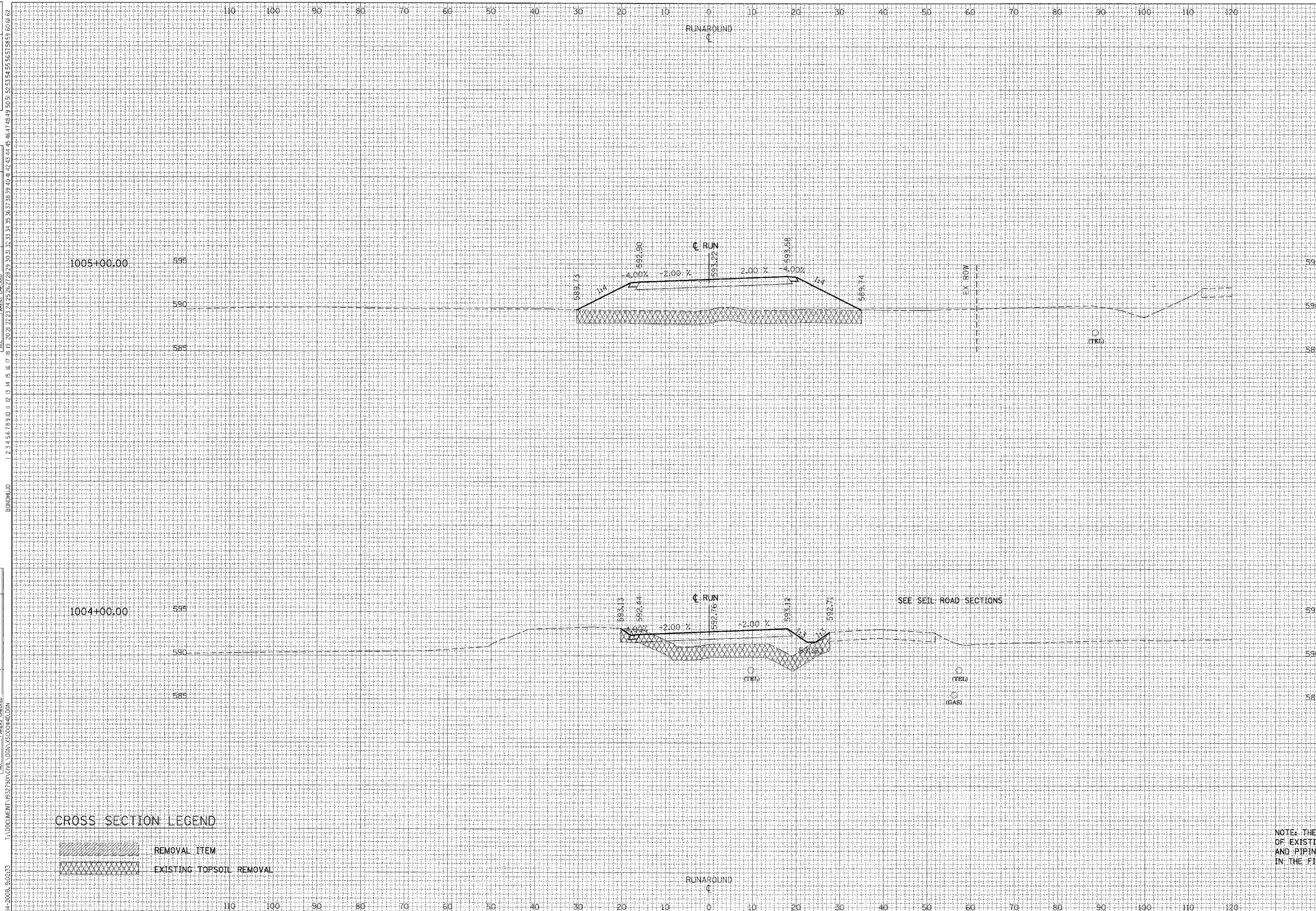
	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTES:
 1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
 2. THE CONTRACTOR SHALL NOT PLACE PROPOSED BITUMINOUS PAVEMENT UNTIL STAGE IV 'A' ONLY. THE AGGREGATE SUBGRADE, EMBANKMENT AND TEMPORARY SHOULDER SHALL BE CONSTRUCTED IN PRE-STAGE A.

REVISIONS	DATE

BY	DATE

BY	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	465
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* (26HB-1&114) R-2				

ALL UNITS IN SQ. FT.		PRE-STAGE
EARTH EXCAVATION=	0.00	
EMBANKMENT=	247.07	
TOPSOIL PLACEMENT=	0.00	
TOPSOIL EXCAVATION=	98.42	

ALL UNITS IN SQ. FT.		PRE-STAGE
EARTH EXCAVATION=	0.00	
EMBANKMENT=	98.97	
TOPSOIL PLACEMENT=	0.00	
TOPSOIL EXCAVATION=	76.66	

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

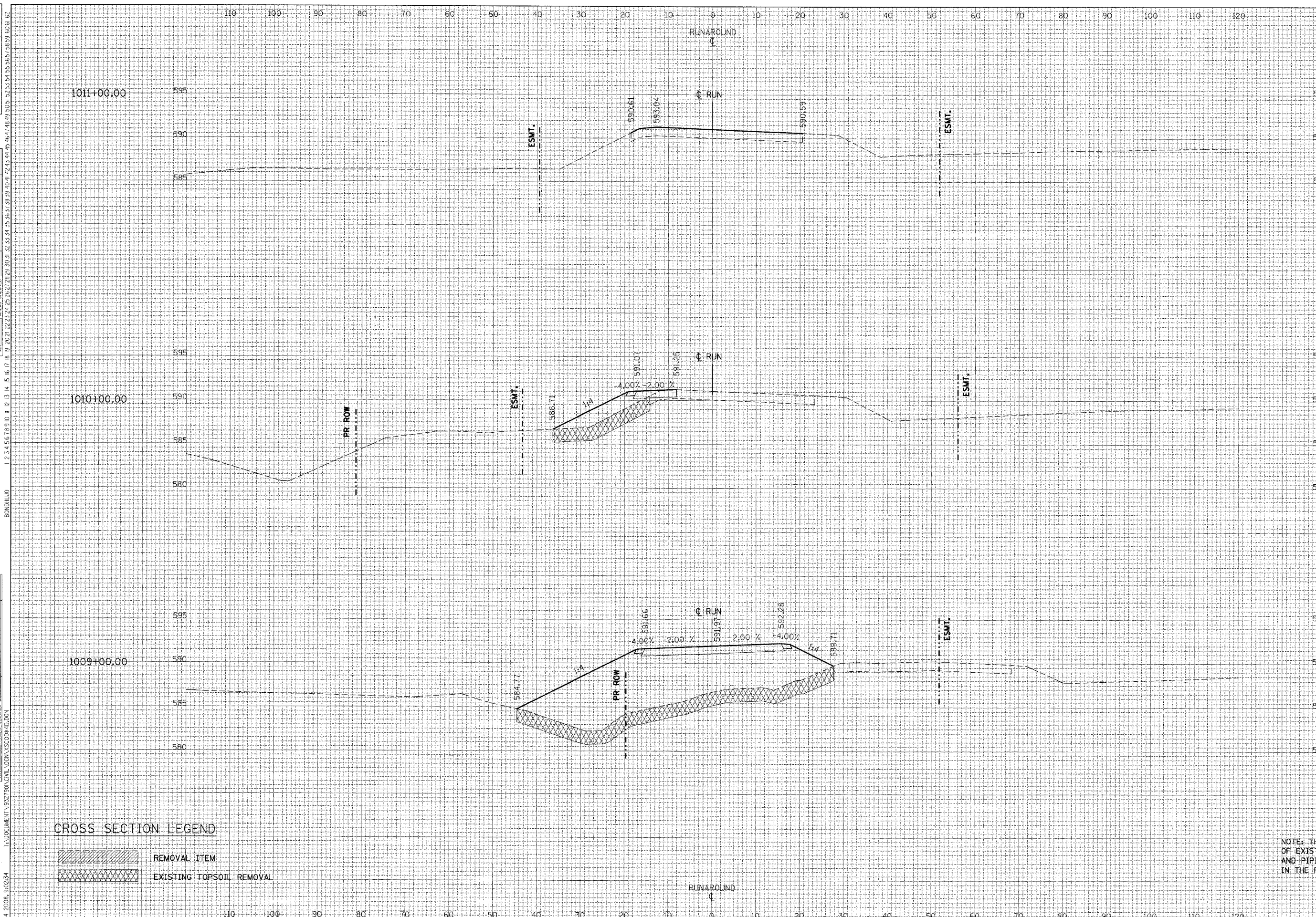
REV. NO.	DATE

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	REPLATE
	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	REPLATE
	AREAS CHECKED



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	467
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				

1011+00.00	595	595	1011+00.00
590	590	590	
585	585	585	
1010+00.00	595	595	
590	590	590	
585	585	585	
580	580	580	0.00
			63.57
			0.00
			35.73
1009+00.00	595	595	
590	590	590	
585	585	585	
580	580	580	0.00
			435.00
			0.00
			114.23

CROSS SECTION LEGEND

REMOVAL ITEM

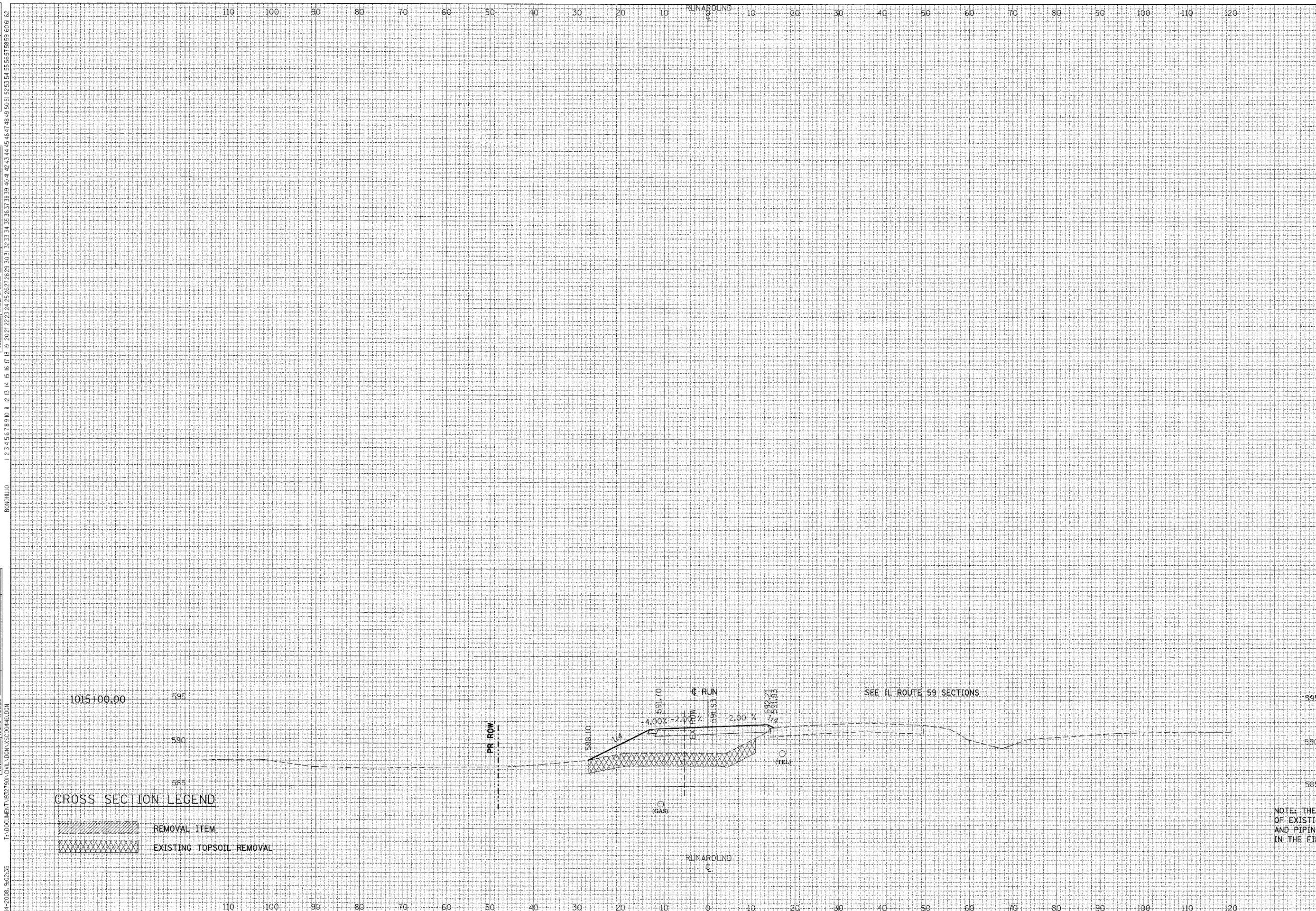
EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REVISIONS	DATE
NAME	

BY	DATE
SURVEYED	
PLOTTED	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

BY	DATE
SURVEYED	
PLOTTED	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		WILL	608	469
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
		• (26HB-1&114) R-2		

CROSS SECTION LEGEND

REMOVAL ITEM

EXISTING TOPSOIL REMOVAL

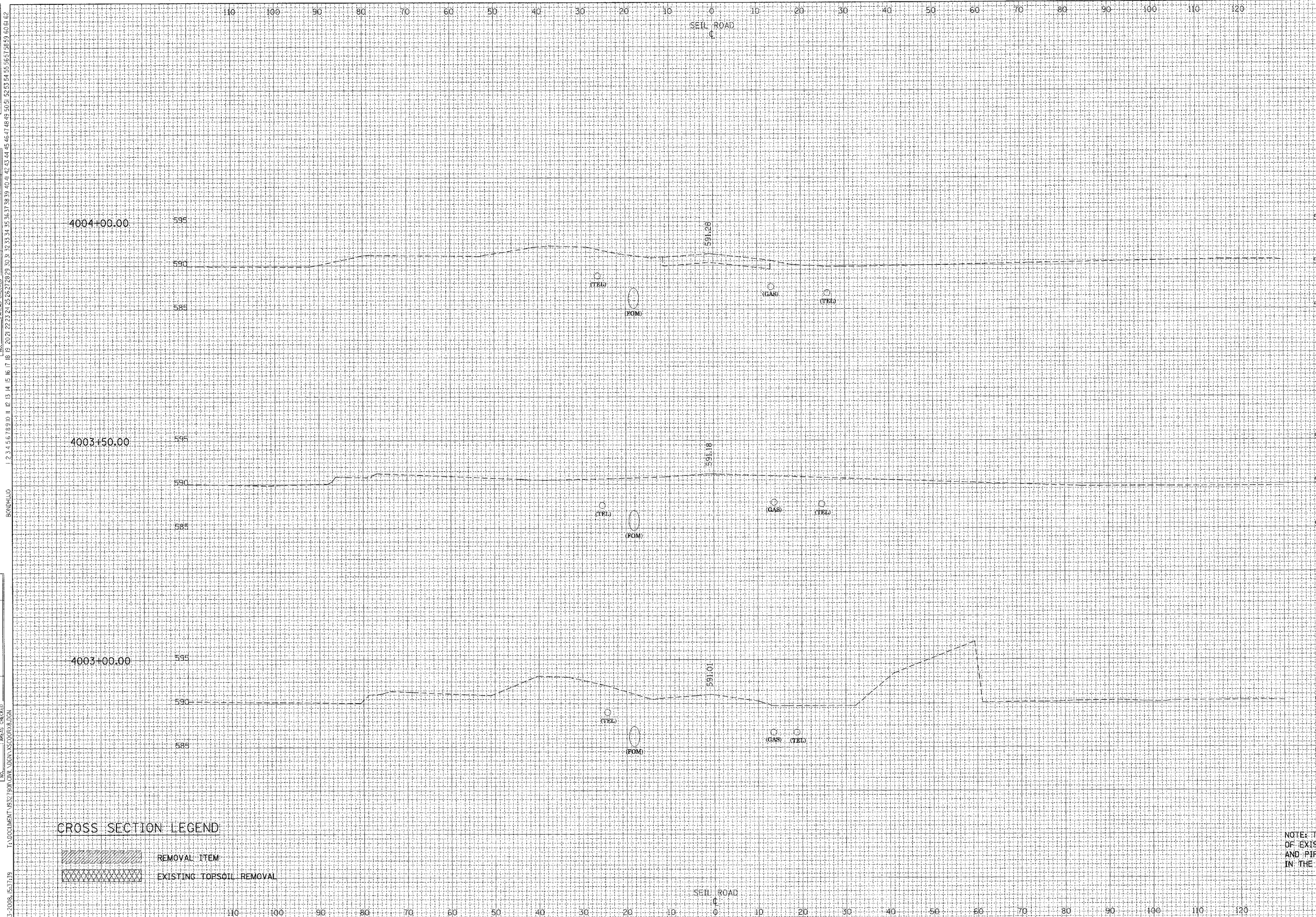
590	ALL UNITS IN SQ FT	PRE-STAGE
	EARTH EXCAVATION=	0.00
	EMBANKMENT=	127.20
	TOPSOIL PLACEMENT=	0.00
585	TOPSOIL EXCAVATION=	58.96

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

DATE	
NAME	

DATE	
BY	
APPROVED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
APPROVED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	470
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26HB-18114) R-2				

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

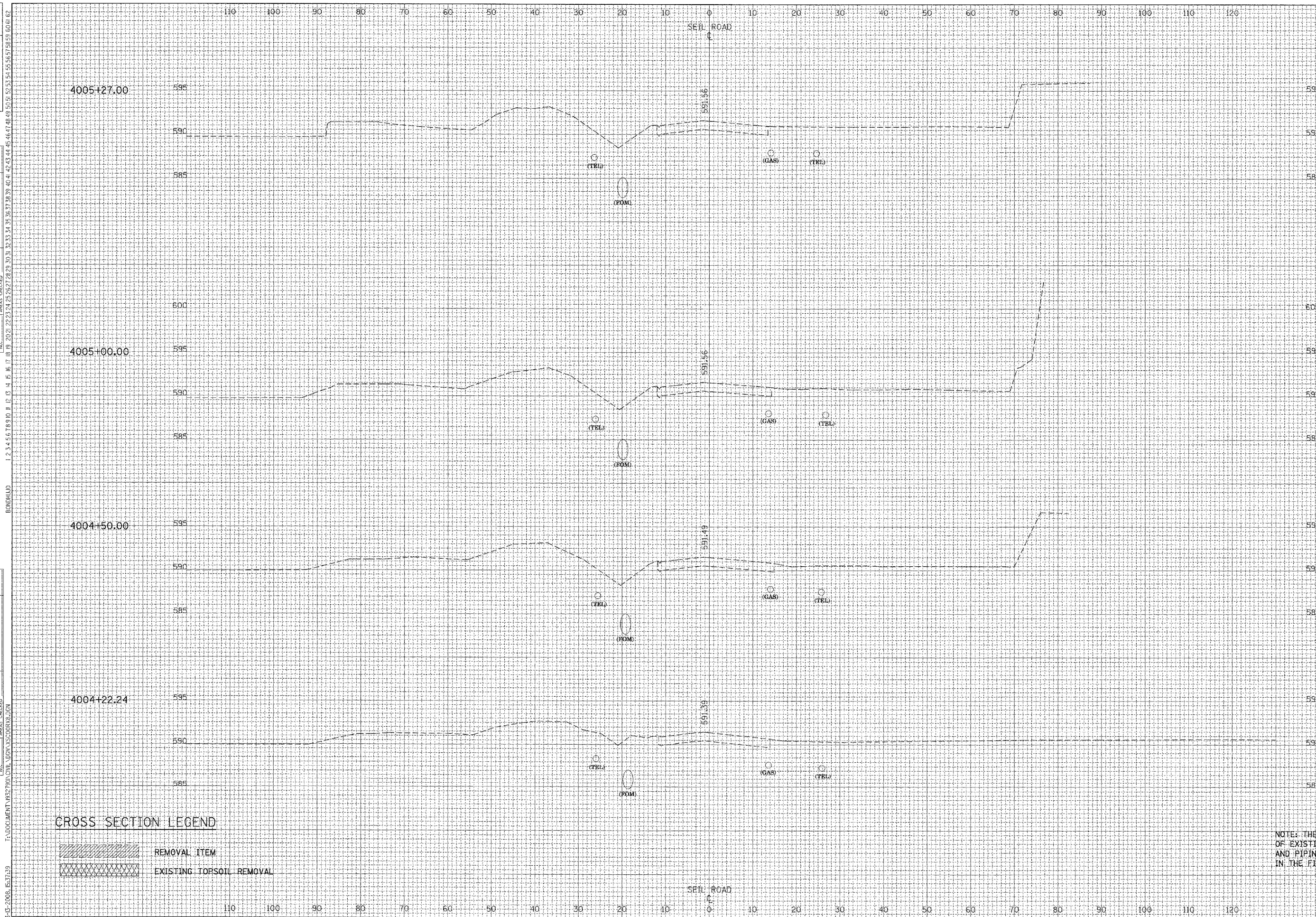
REVISIONS	DATE

BY	DATE

FINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	471
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26HB-1&114) R-2				

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REVISIONS	DATE

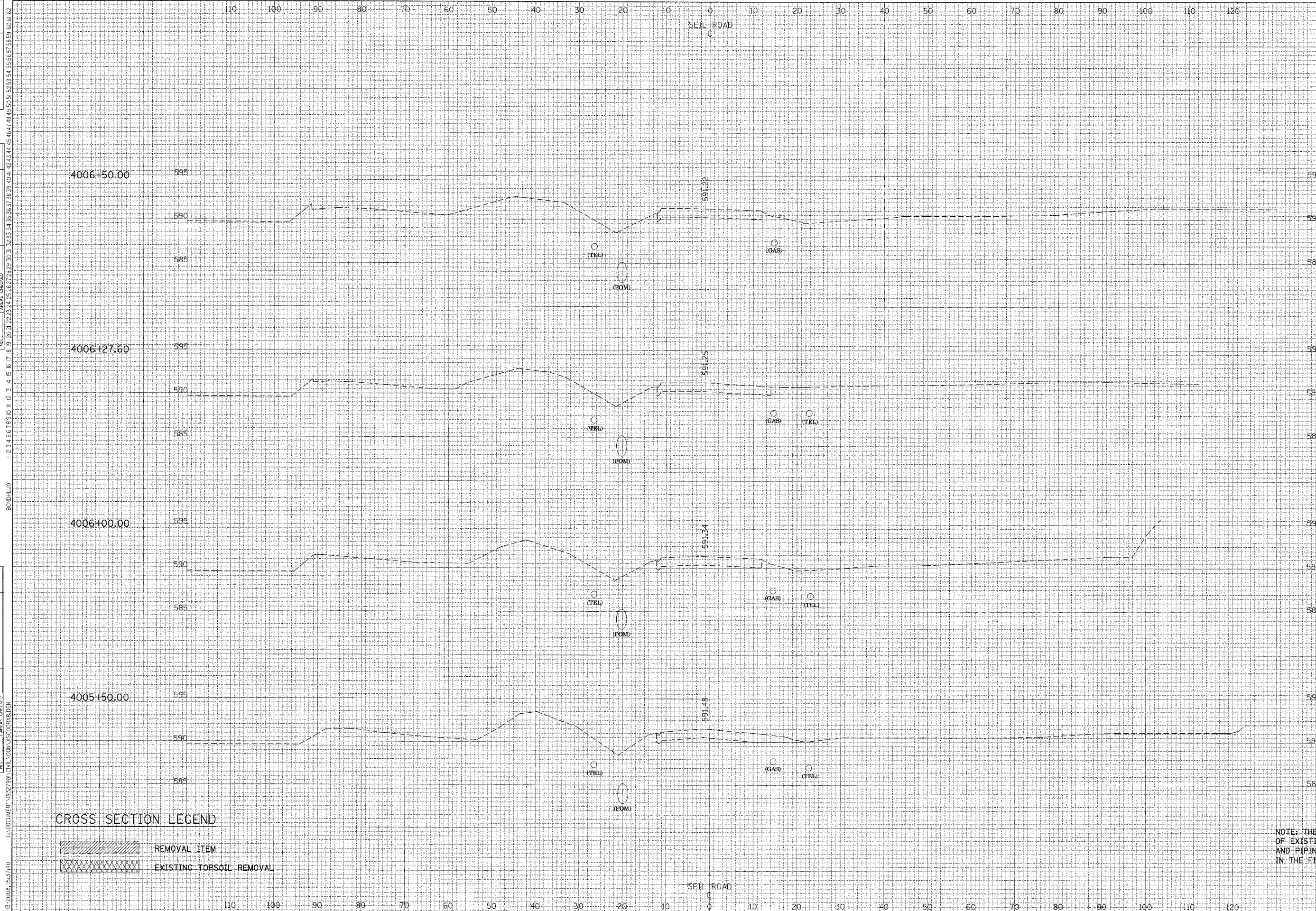
BY	DATE

FINAL SURVEY	DATE

ORIGINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	472

STA. TO STA.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

* (26HB-1&114) R-2

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REVISIONS	DATE

BY	DATE

FINAL SURVEY	NO.

NO.	DATE

BY	DATE

ORIGINAL SURVEY	NO.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	473
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-18.114) R-2				

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	09.7
EMBANKMENT=	24.0
TOPSOIL PLACEMENT=	07.3
TOPSOIL EXCAVATION=	31.0

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	18.0
TOPSOIL PLACEMENT=	04.9
TOPSOIL EXCAVATION=	18.4

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

CROSS SECTION LEGEND

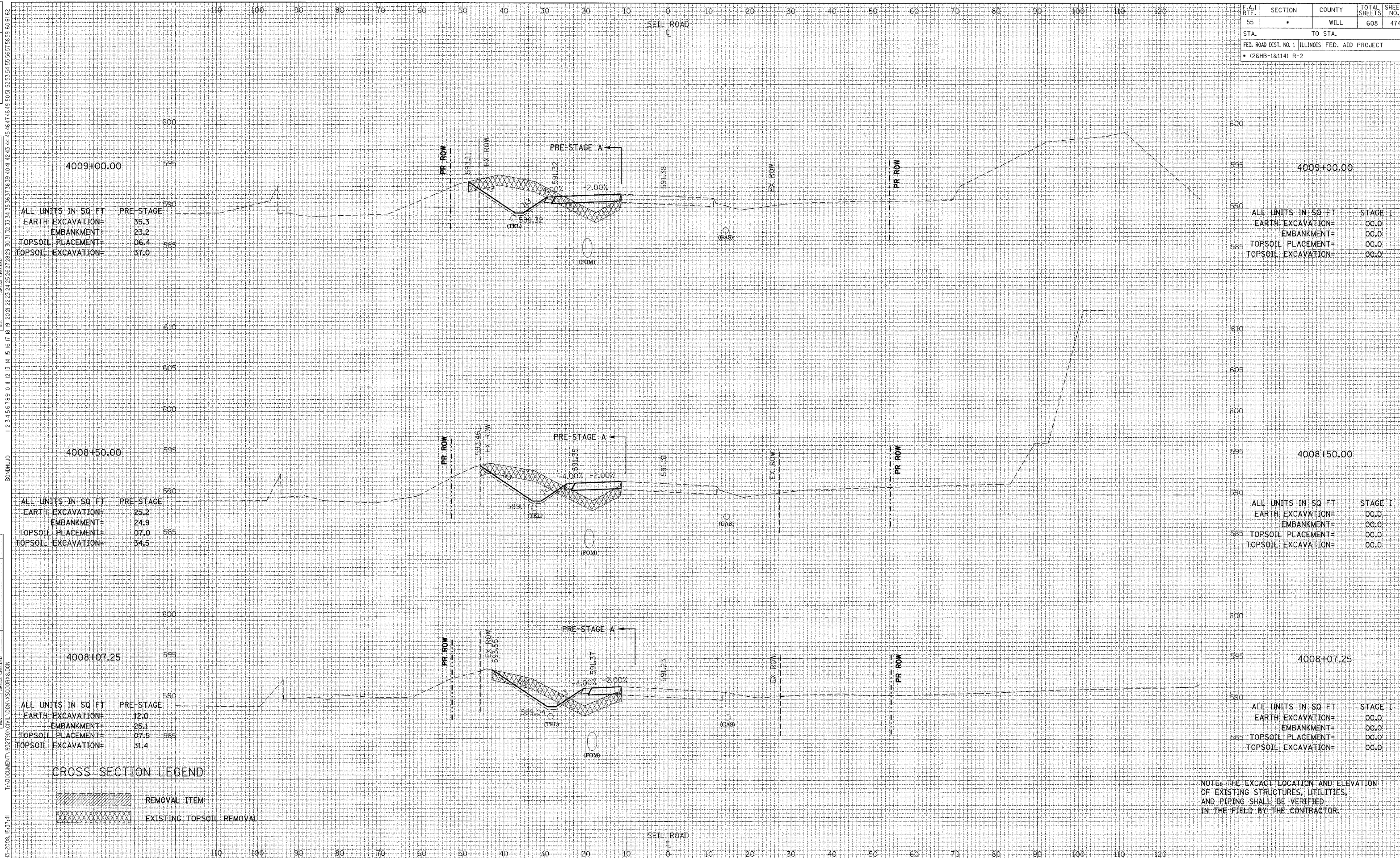
- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REVISIONS	DATE

BY	DATE

BY	DATE



F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	474
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	35.3
EMBANKMENT=	23.2
TOPSOIL PLACEMENT=	06.4
TOPSOIL EXCAVATION=	37.0

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	25.2
EMBANKMENT=	24.9
TOPSOIL PLACEMENT=	07.0
TOPSOIL EXCAVATION=	34.5

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	12.0
EMBANKMENT=	25.1
TOPSOIL PLACEMENT=	07.5
TOPSOIL EXCAVATION=	31.4

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

CROSS SECTION LEGEND

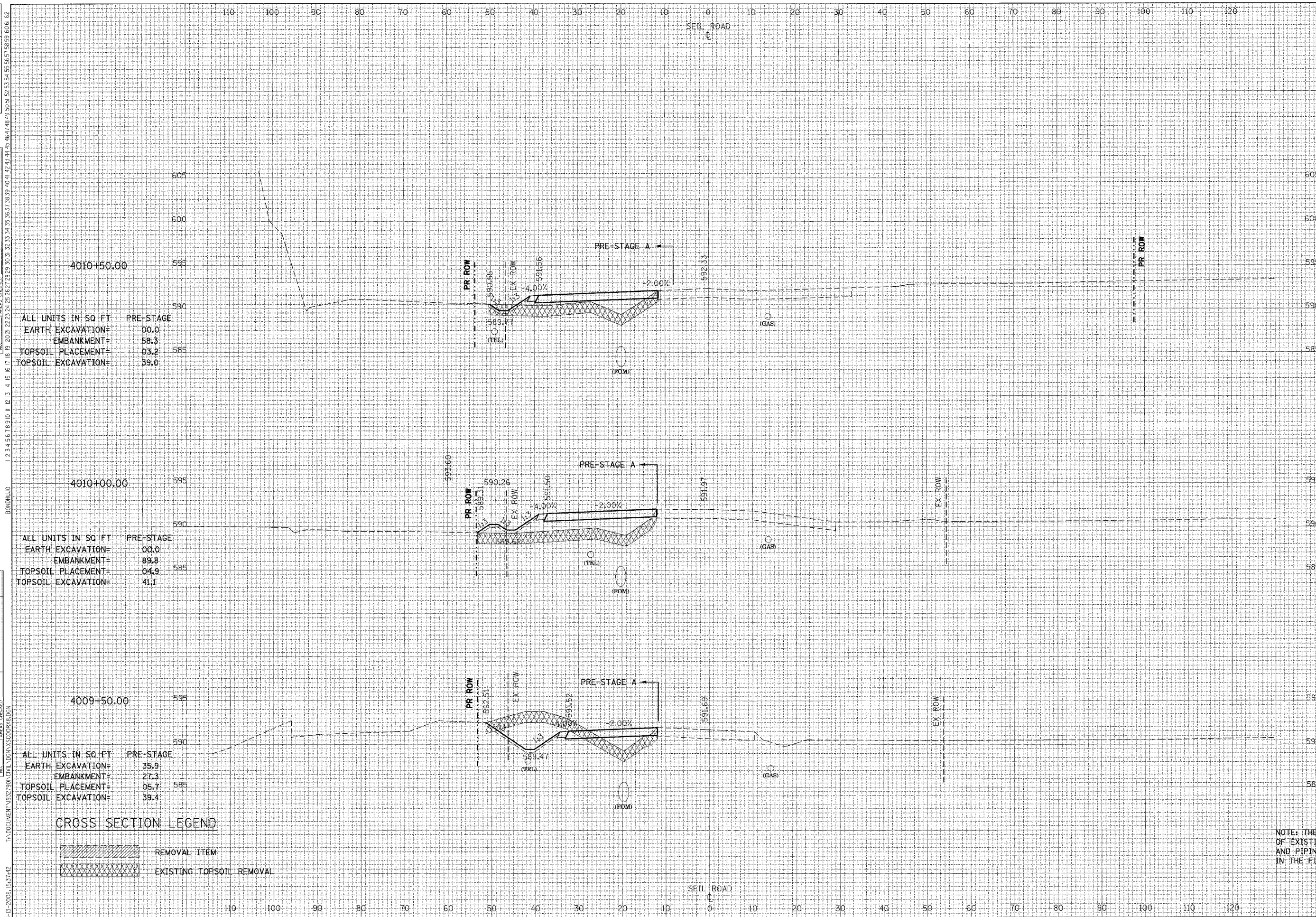
	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REVISIONS	DATE

BY	DATE

BY	DATE



4010+50.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	58.3
TOPSOIL PLACEMENT=	03.2
TOPSOIL EXCAVATION=	39.0

4010+50.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

4010+00.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	89.8
TOPSOIL PLACEMENT=	04.9
TOPSOIL EXCAVATION=	41.1

4010+00.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

4009+50.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	35.9
EMBANKMENT=	27.3
TOPSOIL PLACEMENT=	05.7
TOPSOIL EXCAVATION=	39.4

4009+50.00

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	475
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-18.114) R-2				

REVISIONS	NAME	DATE

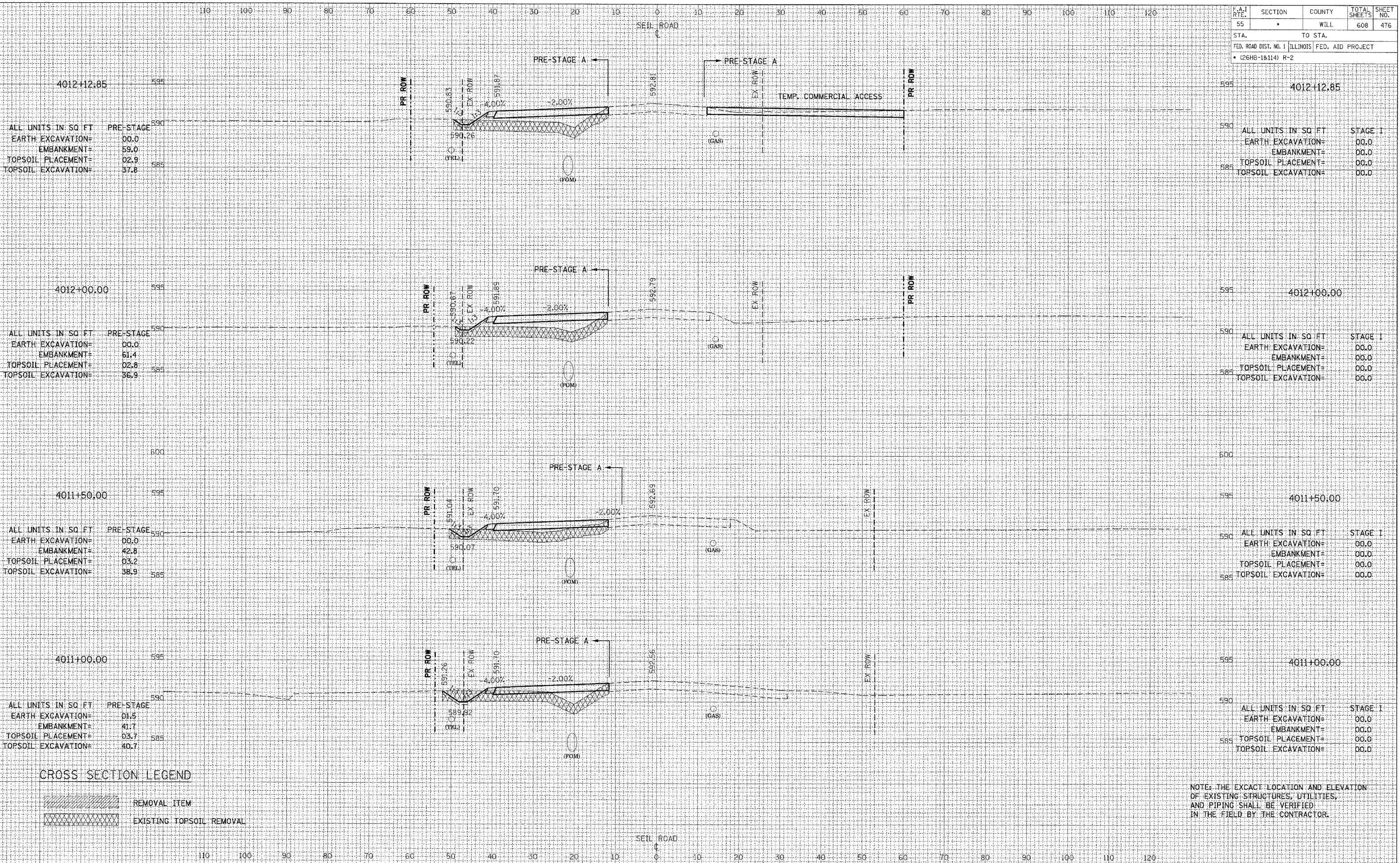
BY	DATE

FINISHED SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY	DATE

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	476
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				



4012+12.85

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	59.0
TOPSOIL PLACEMENT=	02.9
TOPSOIL EXCAVATION=	37.8

4012+12.85

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

4012+00.00

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	61.4
TOPSOIL PLACEMENT=	02.8
TOPSOIL EXCAVATION=	36.9

4012+00.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

4011+50.00

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	42.8
TOPSOIL PLACEMENT=	03.2
TOPSOIL EXCAVATION=	38.9

4011+50.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

4011+00.00

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	01.5
EMBANKMENT=	41.7
TOPSOIL PLACEMENT=	03.7
TOPSOIL EXCAVATION=	40.7

4011+00.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

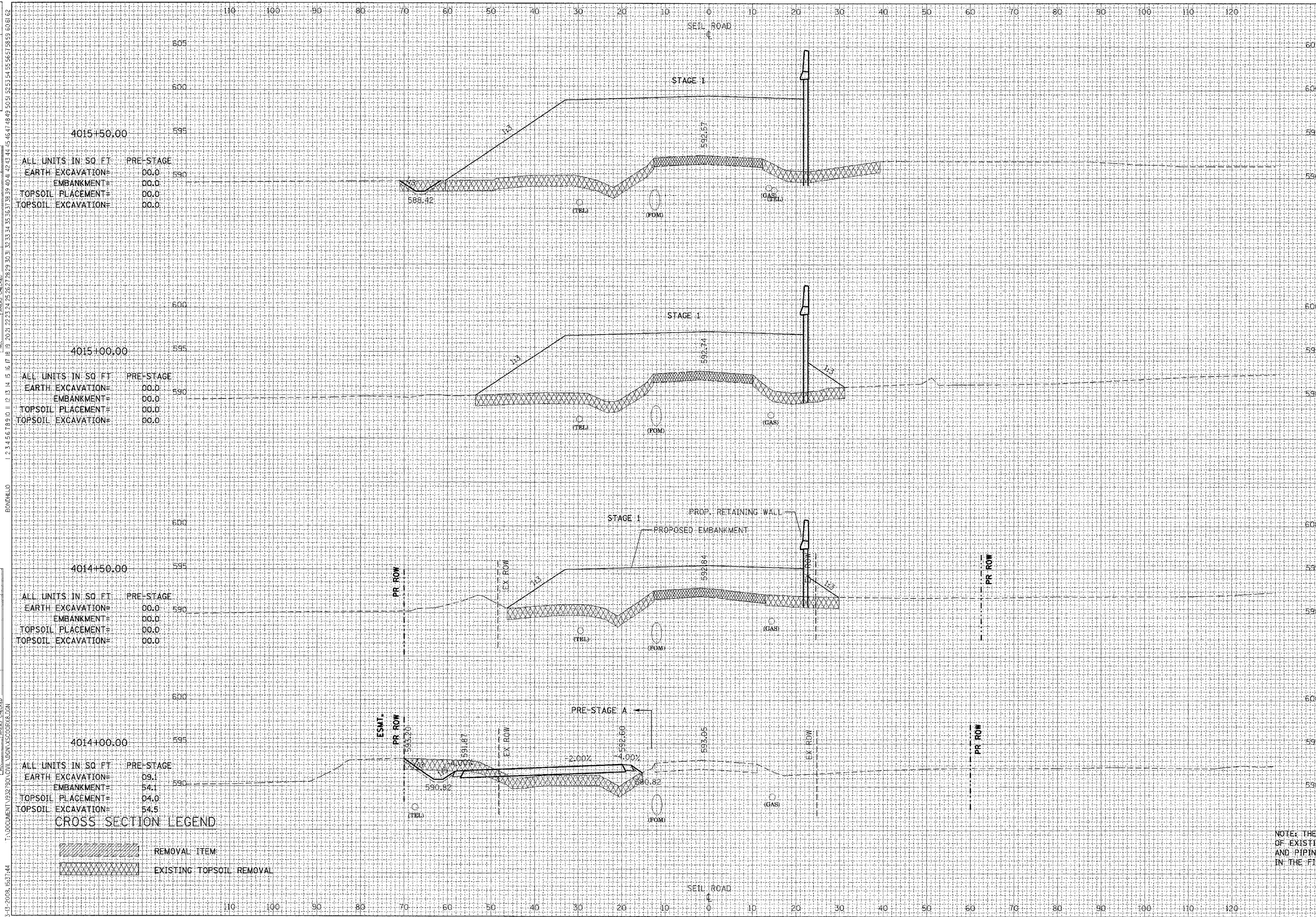
REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE

BY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	478

STA.	TO STA.
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
* (26H8-1&114) R-2	

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	01.0
EMBANKMENT=	651.5
TOPSOIL PLACEMENT=	03.2
TOPSOIL EXCAVATION=	85.3

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	506.5
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	61.9

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	294.9
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	50.6

ALL UNITS IN SQ. FT.	PRE-STAGE
EARTH EXCAVATION=	09.1
EMBANKMENT=	54.1
TOPSOIL PLACEMENT=	04.0
TOPSOIL EXCAVATION=	54.5

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

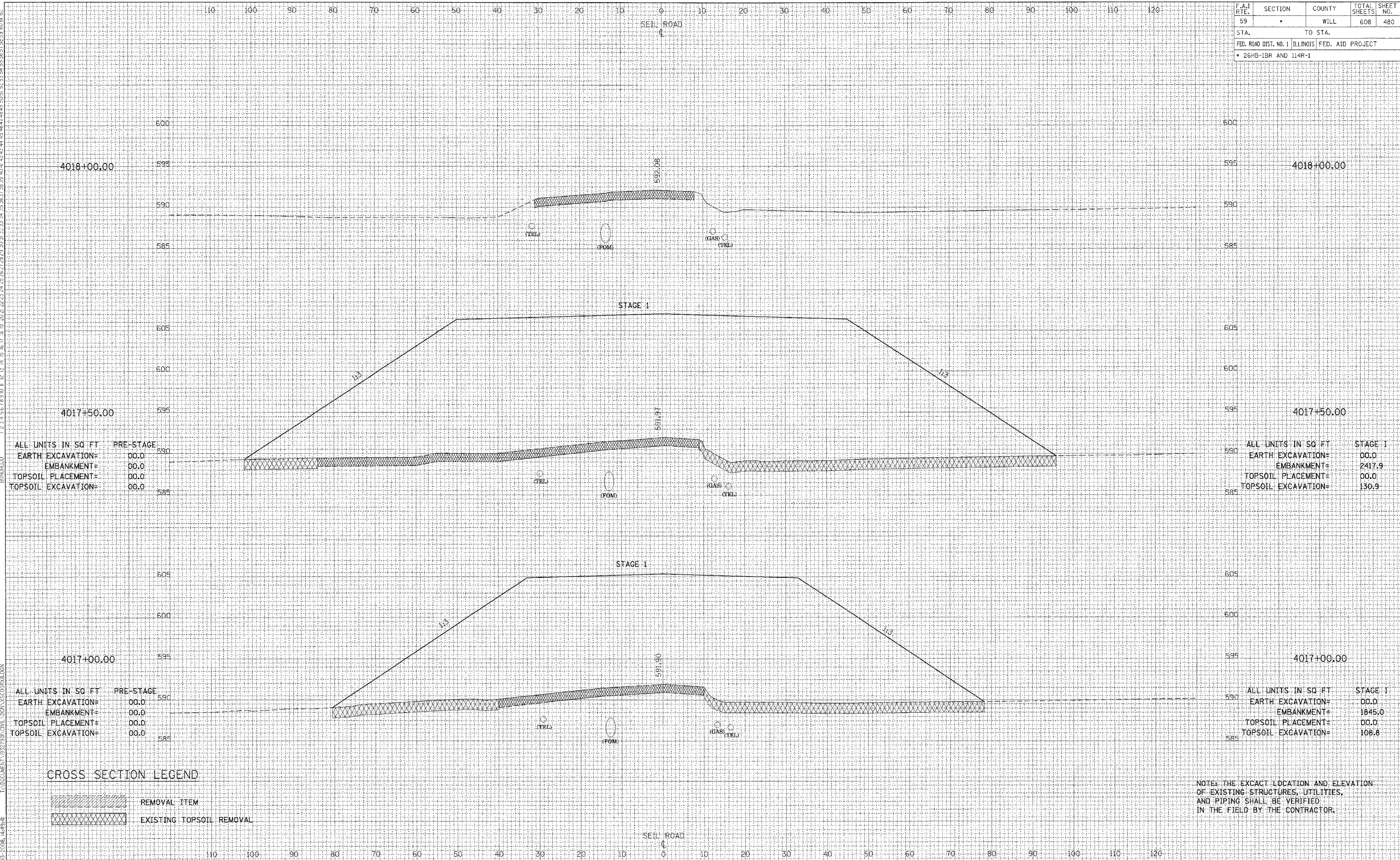
NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	480
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• 26HB-1BR AND 114R-1				

REVISIONS	DATE

BY	DATE

BY	DATE



ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	2417.9
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	130.9

ALL UNITS IN SQ FT	PRE-STAGE
EARTH EXCAVATION=	00.0
EMBANKMENT=	00.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	00.0

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	00.0
EMBANKMENT=	1845.0
TOPSOIL PLACEMENT=	00.0
TOPSOIL EXCAVATION=	108.8

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

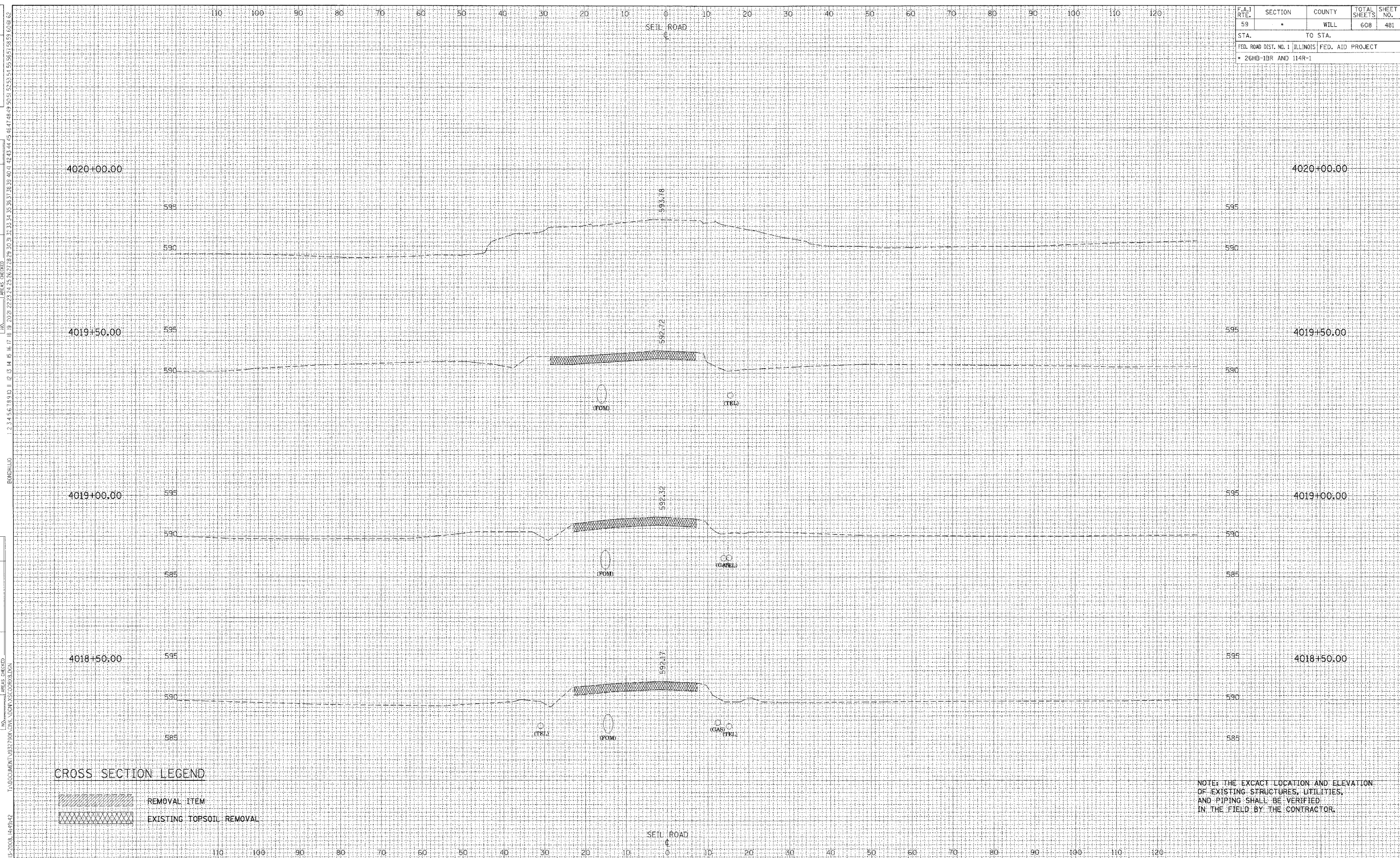
NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	481
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* 26HB-1BR AND 114R-1				

REVISIONS	DATE

BY	DATE

BY	DATE



CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

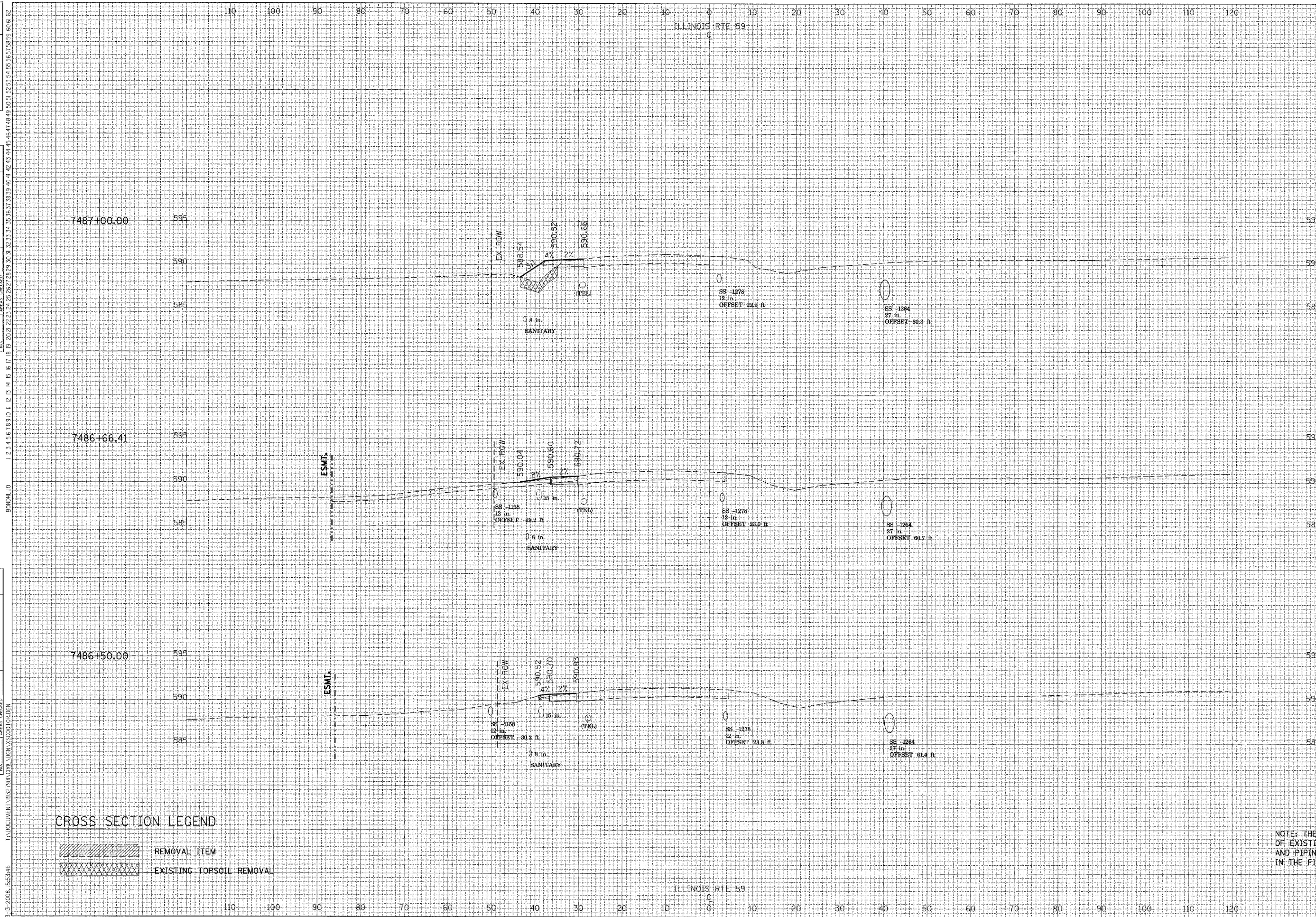
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REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE



F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	482
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	4.28
EMBANKMENT=	18.57
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	9.86

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	4.81
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

DATE	
NAME	

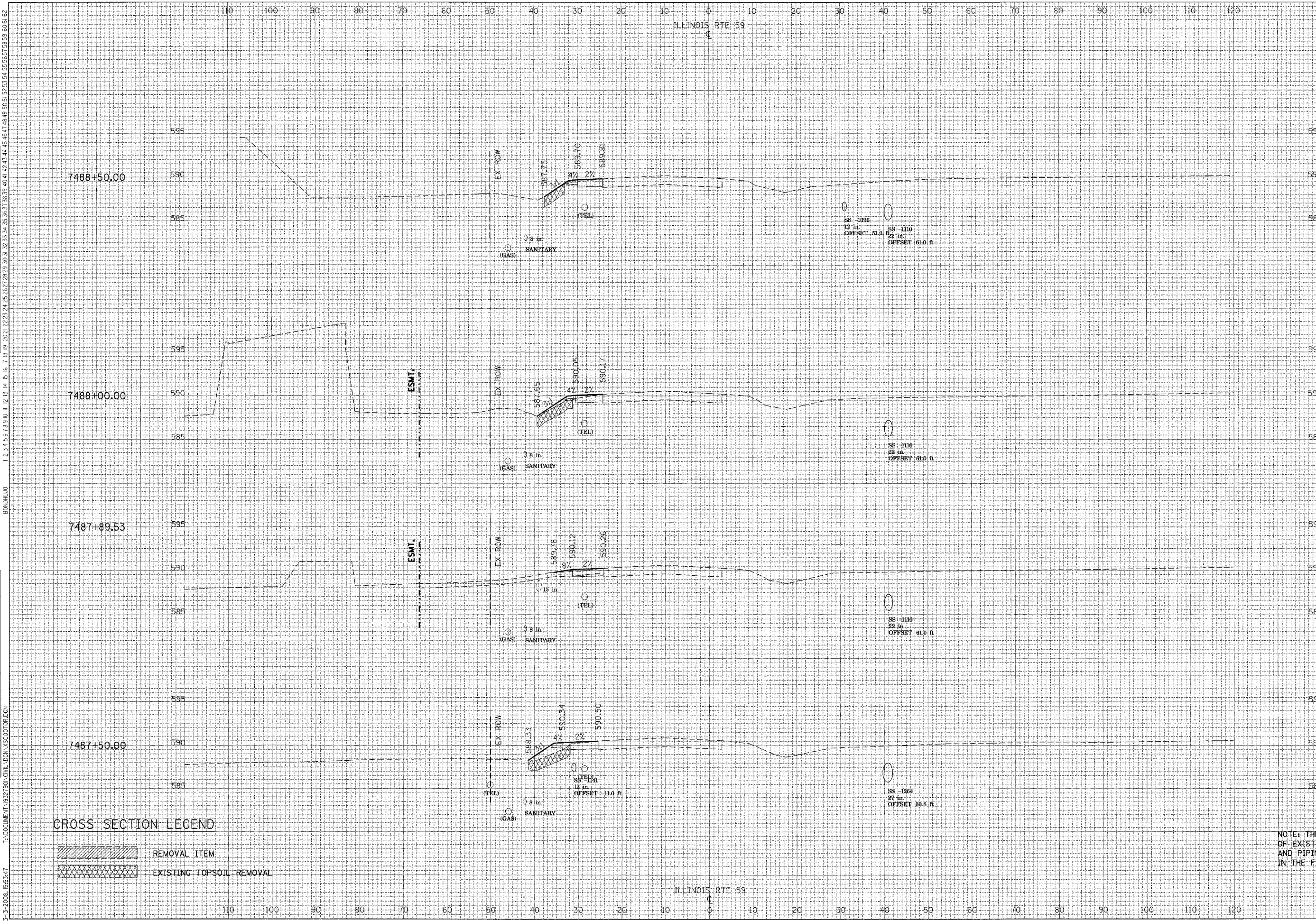
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NAME	

DATE	
BY	
NAME	

DATE	
BY	
NAME	



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	483
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26HB-1&114) R-2				

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.67
EMBANKMENT=	5.48
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	5.24

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.34
EMBANKMENT=	10.81
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	9.37

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.81
EMBANKMENT=	15.39
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	10.99

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

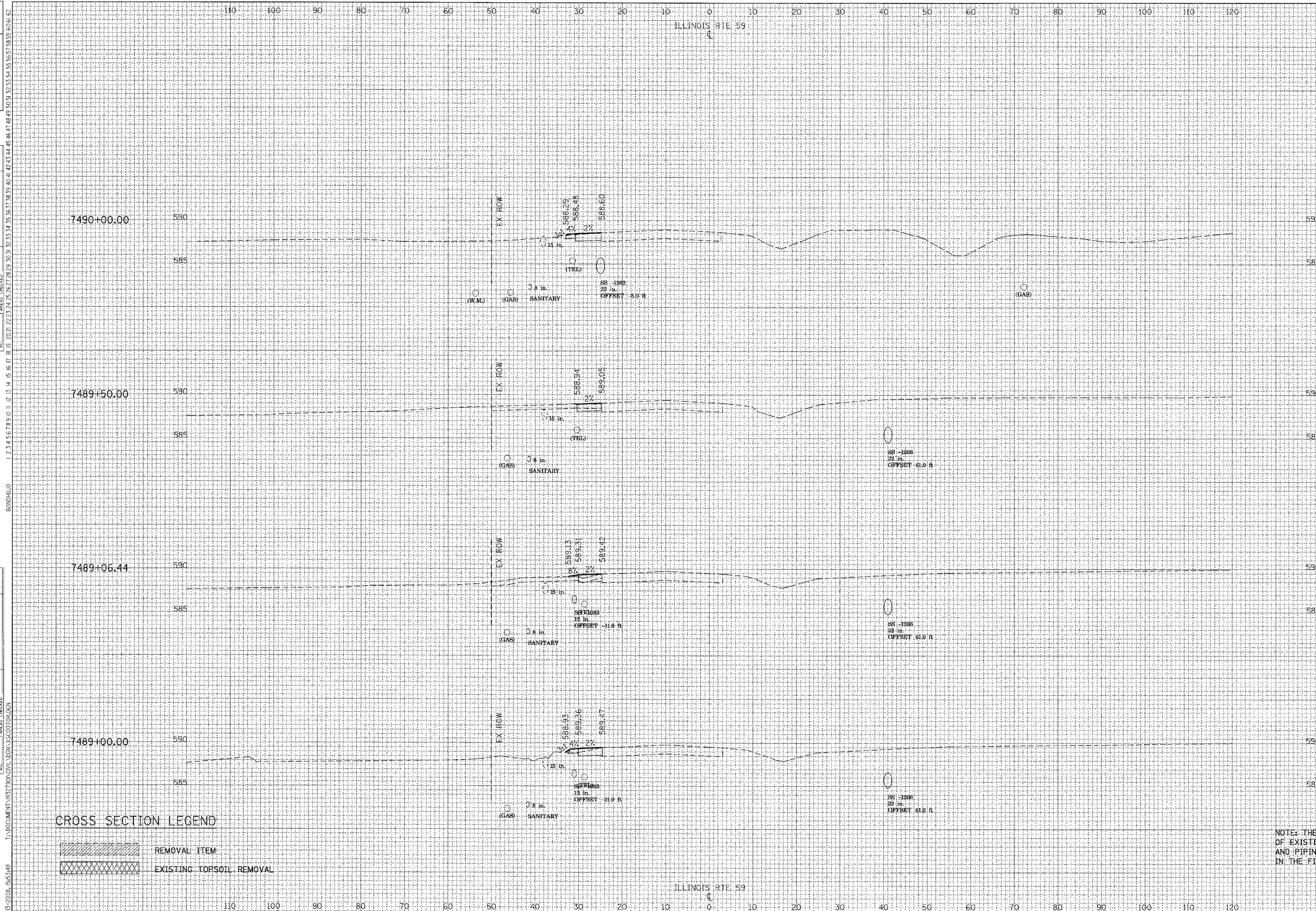
REVISIONS	DATE

BY	DATE

FINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE



F-A-1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	484
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&14) R-2				

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	5.57
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	0.00
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	3.67
EMBANKMENT=	0.12
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

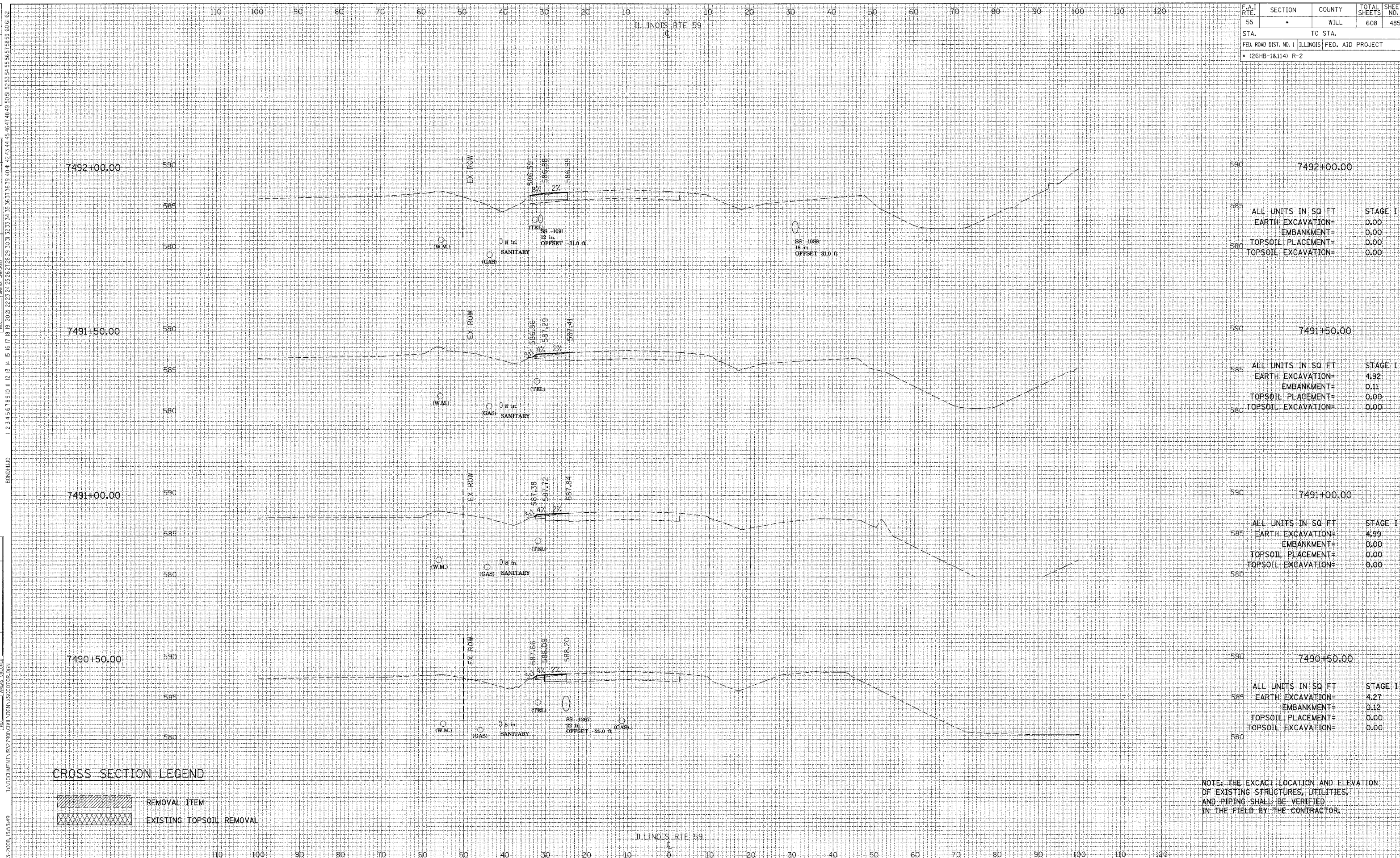
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REVISIONS	DATE

BY	DATE

FINL SURVEY	NO.

ORIGINAL SURVEY	NO.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		WILL	608	485
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• (26HB-1&114) R-2				

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	0.00
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	4.92
EMBANKMENT=	0.11
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	4.99
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	4.27
EMBANKMENT=	0.12
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

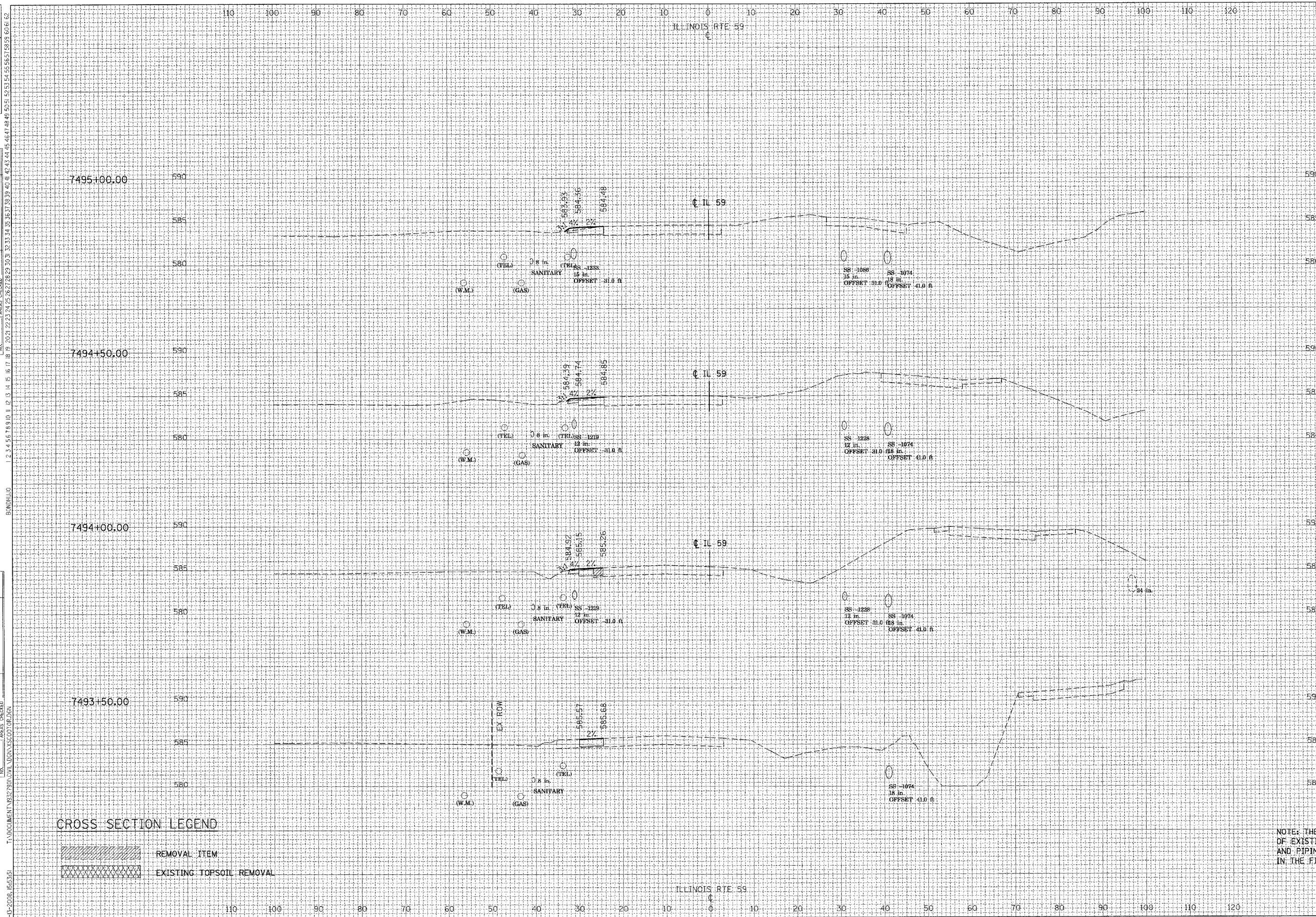
- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

REF. VISITORS	DATE
NAME	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



F.A.I. E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	487
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* (26HB-18.114) R-2				

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.87
EMBANKMENT=	0.11
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	5.06
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	3.33
EMBANKMENT=	0.38
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

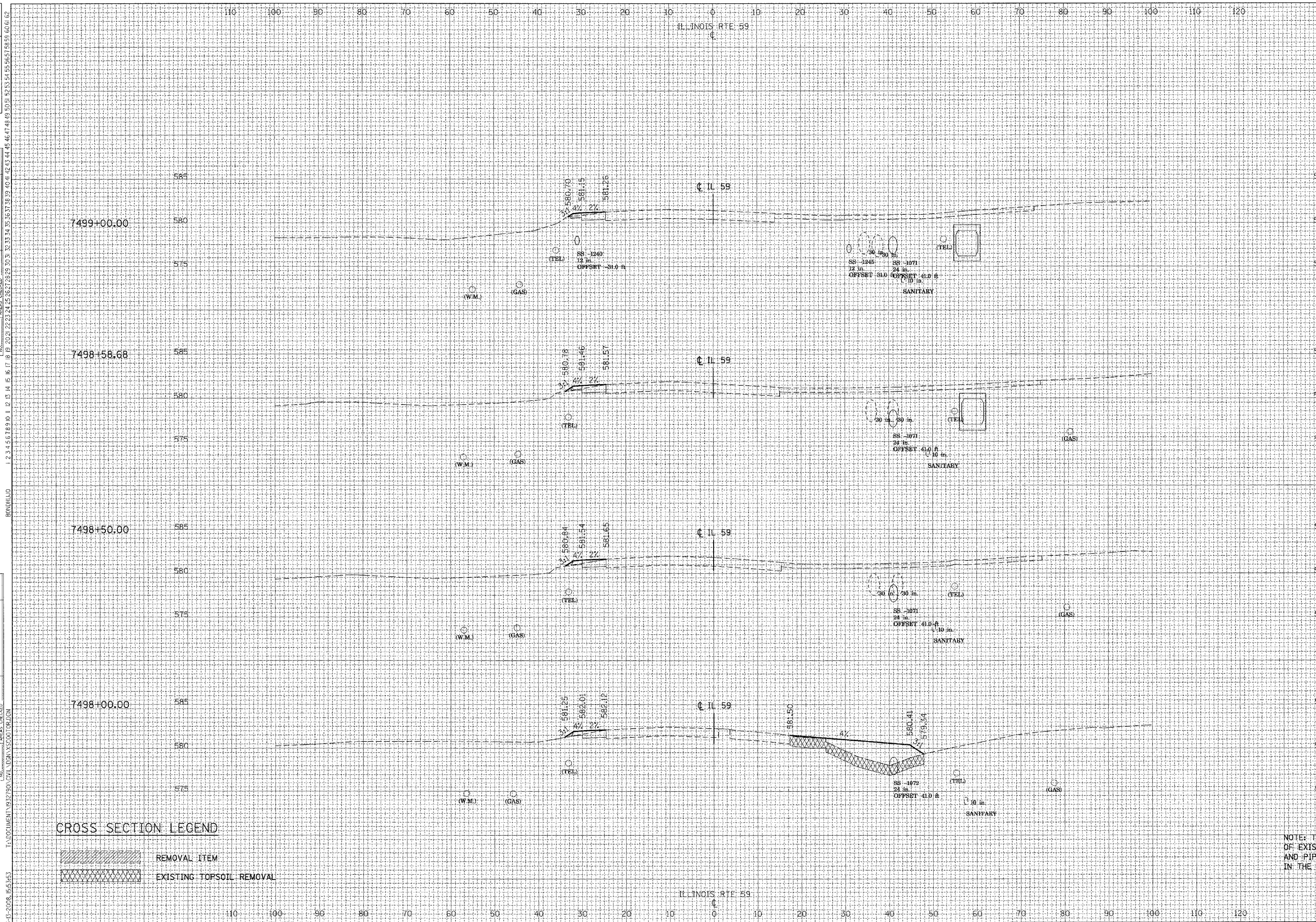
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REVISIONS	DATE

BY	DATE

BY	DATE

ORIGINAL SURVEY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	489
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-1&114) R-2				

STATION	ALL UNITS IN SQ. FT.	STAGE I
7499+00.00	EARTH EXCAVATION=	4.20
	EMBANKMENT=	0.12
	TOPSOIL PLACEMENT=	0.00
	TOPSOIL EXCAVATION=	0.00

STATION	ALL UNITS IN SQ. FT.	STAGE I
7498+58.68	EARTH EXCAVATION=	3.72
	EMBANKMENT=	0.31
	TOPSOIL PLACEMENT=	0.00
	TOPSOIL EXCAVATION=	0.00

STATION	ALL UNITS IN SQ. FT.	STAGE I
7498+50.00	EARTH EXCAVATION=	3.64
	EMBANKMENT=	71.85
	TOPSOIL PLACEMENT=	0.00
	TOPSOIL EXCAVATION=	35.07

STATION	ALL UNITS IN SQ. FT.	STAGE I
7498+00.00	EARTH EXCAVATION=	3.64
	EMBANKMENT=	71.85
	TOPSOIL PLACEMENT=	0.00
	TOPSOIL EXCAVATION=	35.07

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

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REVISIONS	DATE

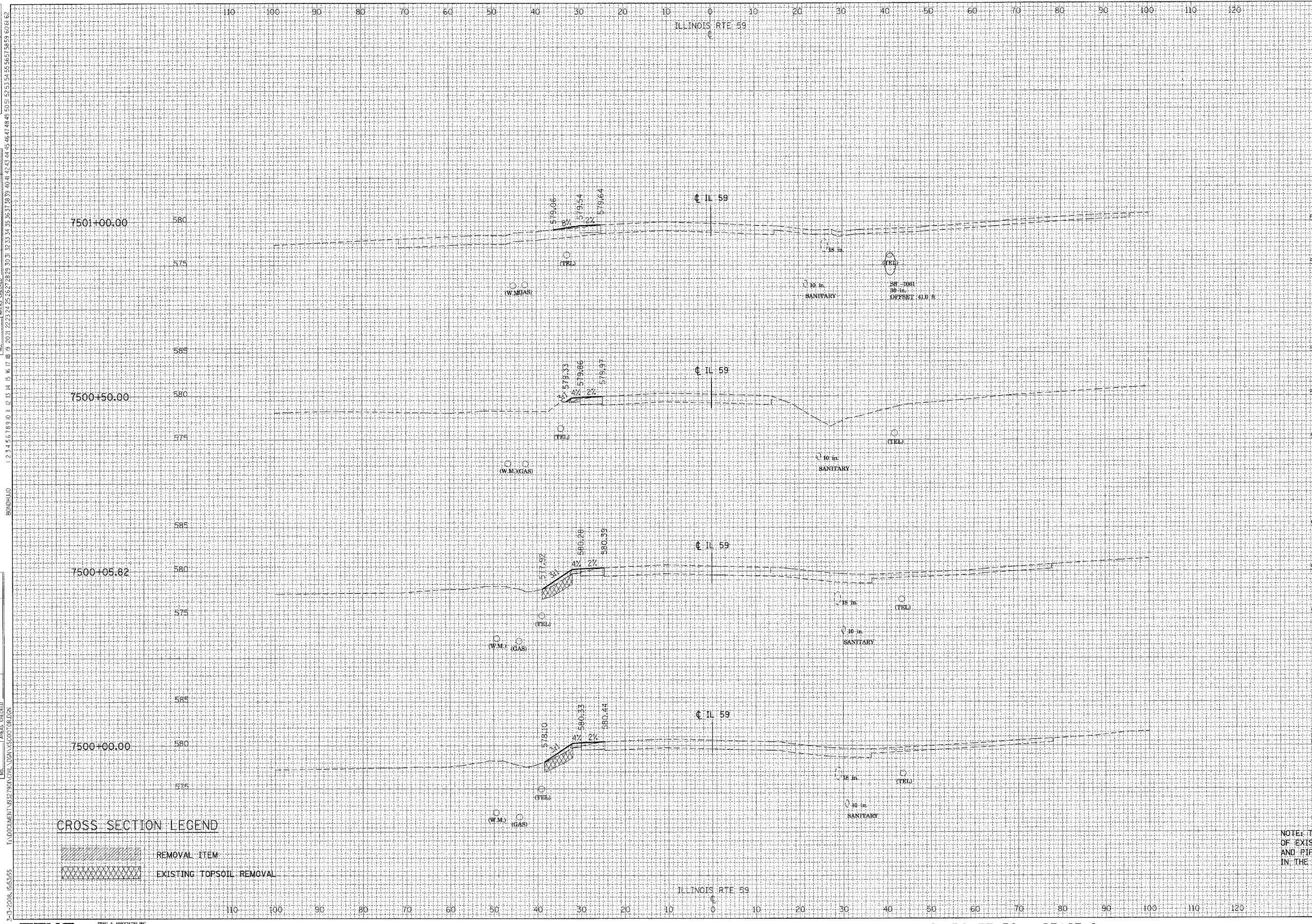
BY	DATE

FINAL SURVEY	DATE

ORIGINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE



F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	491
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• (26HB-18.114) R-2				

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	0.00
EMBANKMENT=	1.36
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.37
EMBANKMENT=	0.19
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	3.89
EMBANKMENT=	9.35
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	7.49

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

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REVISIONS	DATE

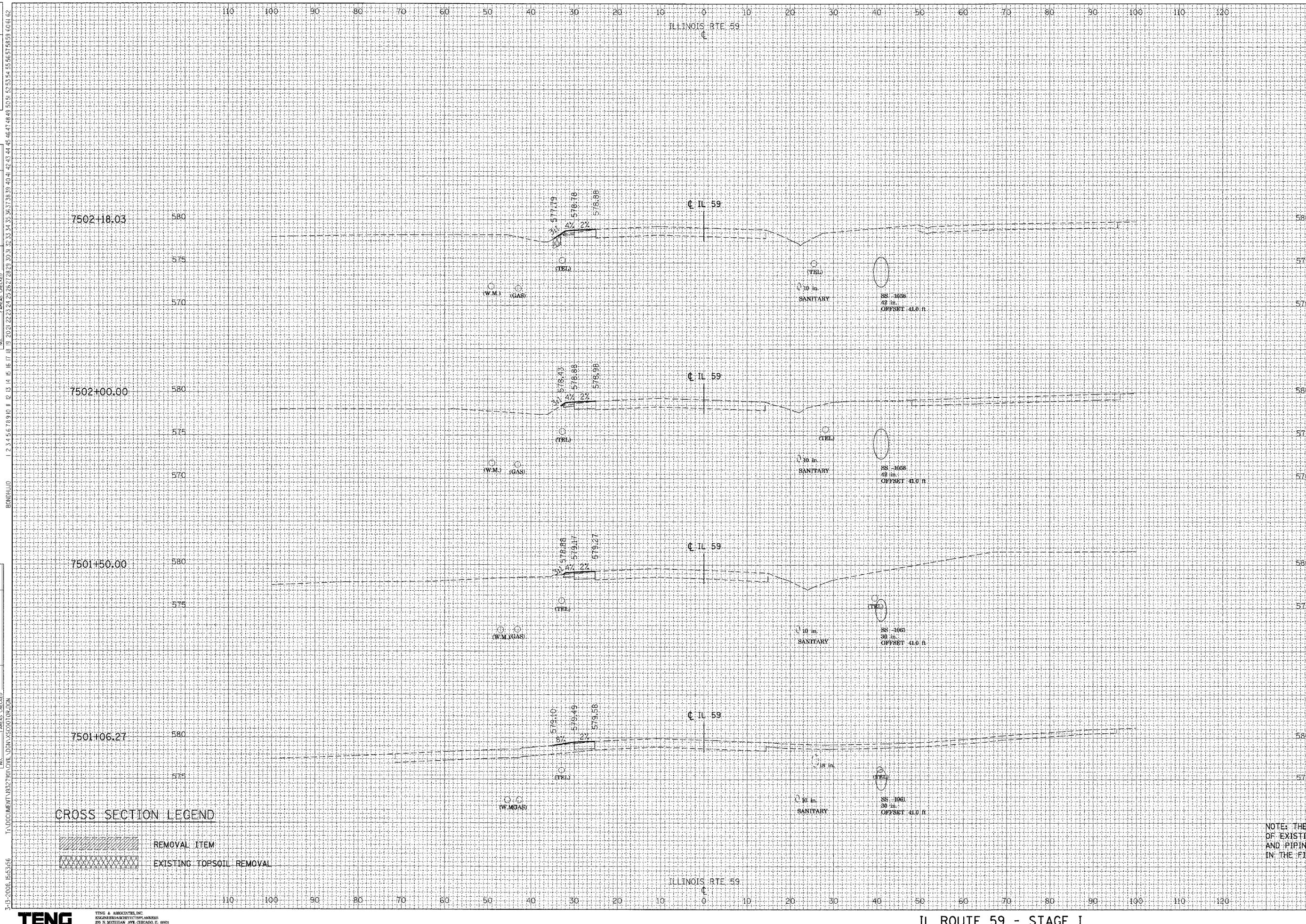
BY	DATE

FINAL SURVEY	NO.

ORIGINAL SURVEY	NO.

BY	DATE

ORIGINAL SURVEY	NO.



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	492
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (26HB-1&14) R-2				

7502+18.03	580	7502+18.03
7502+00.00	580	7502+00.00
7501+50.00	580	7501+50.00
7501+06.27	580	7501+06.27

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	4.28
EMBANKMENT=	0.12
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

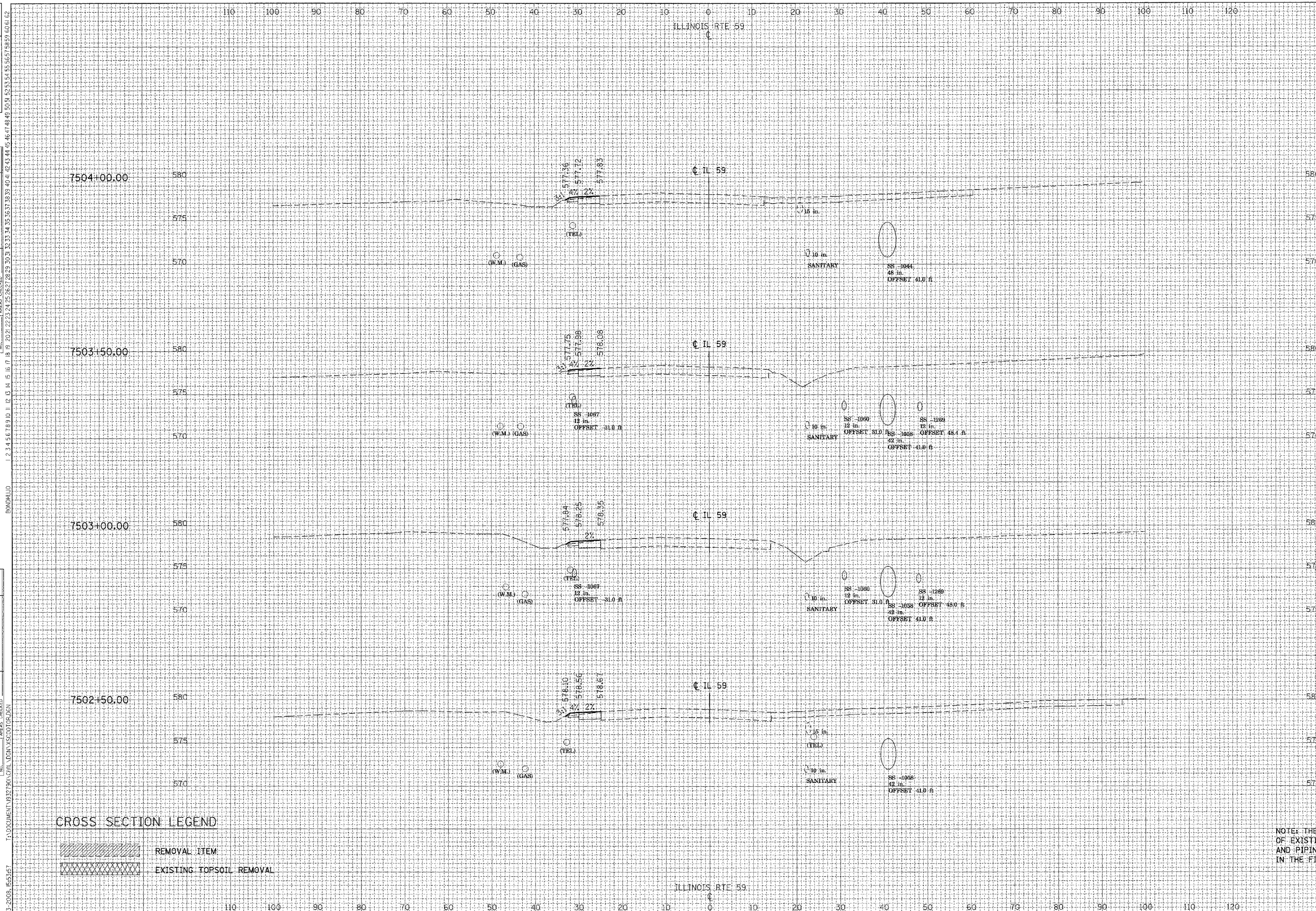
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REVISIONS	DATE

BY	DATE

FINAL SURVEY	DATE

ORIGINAL SURVEY	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	493
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-1&114) R-2				

7504+00.00	580	7504+00.00	580
575	ALL UNITS IN SQ FT	STAGE I	
	EARTH EXCAVATION=	4.43	
	EMBANKMENT=	0.00	
570	TOPSOIL PLACEMENT=	0.00	
	TOPSOIL EXCAVATION=	0.00	
7503+50.00	580	7503+50.00	580
575	ALL UNITS IN SQ FT	STAGE I	
	EARTH EXCAVATION=	4.57	
	EMBANKMENT=	0.00	
570	TOPSOIL PLACEMENT=	0.00	
	TOPSOIL EXCAVATION=	0.00	
7503+00.00	580	7503+00.00	580
575	ALL UNITS IN SQ FT	STAGE I	
	EARTH EXCAVATION=	4.29	
	EMBANKMENT=	0.00	
570	TOPSOIL PLACEMENT=	0.00	
	TOPSOIL EXCAVATION=	0.00	
7502+50.00	580	7502+50.00	580
575	ALL UNITS IN SQ FT	STAGE I	
	EARTH EXCAVATION=	4.11	
	EMBANKMENT=	0.13	
570	TOPSOIL PLACEMENT=	0.00	
	TOPSOIL EXCAVATION=	0.00	

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

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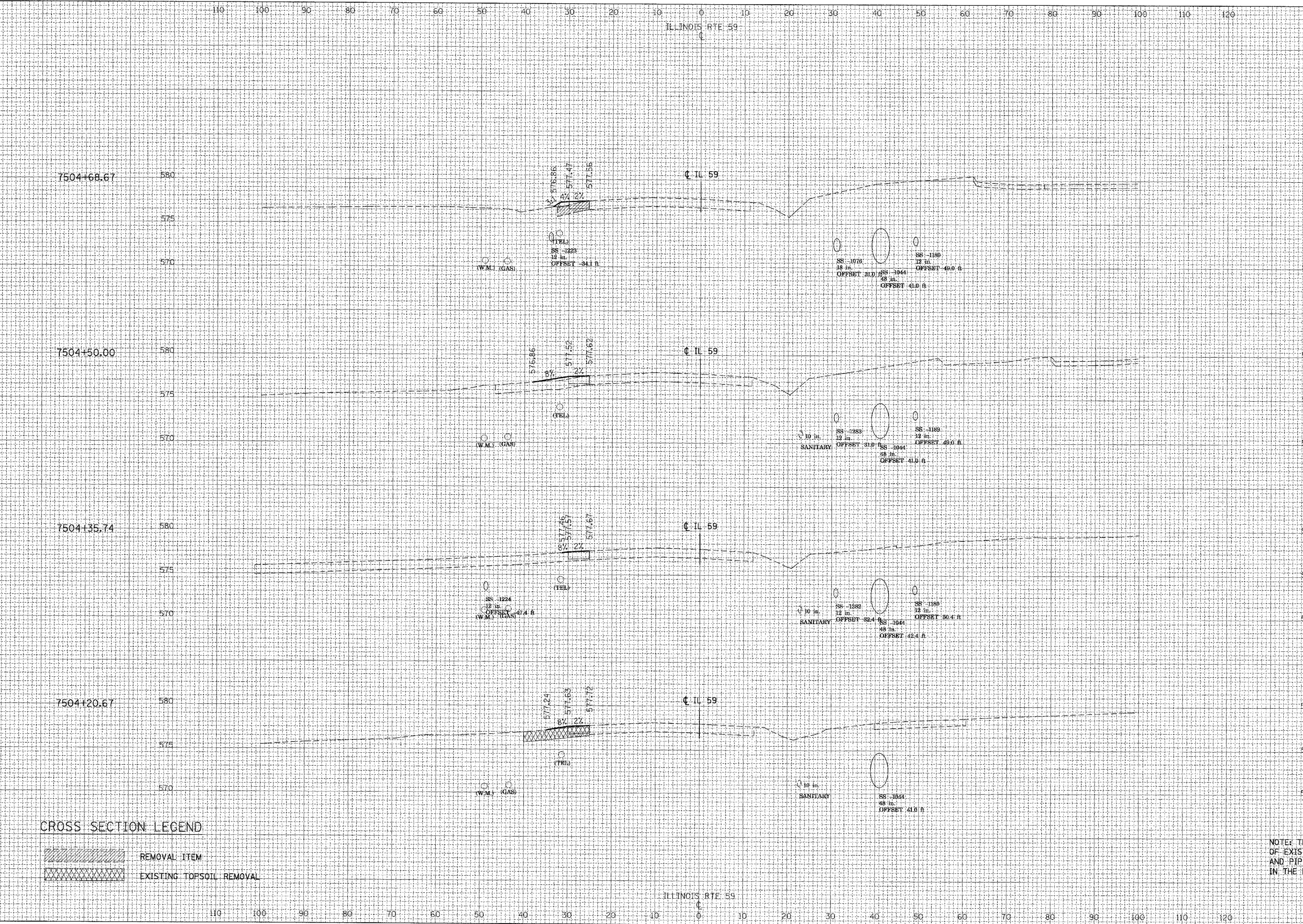
REVISIONS	DATE

BY	DATE

FINAL SURVEY	DATE

ORIGINAL SURVEY	DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	494
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* (26HB-1&14) R-2				



ALL UNITS IN SQ FT	STAGE 1
EARTH EXCAVATION=	0.00
EMBANKMENT=	1.33
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

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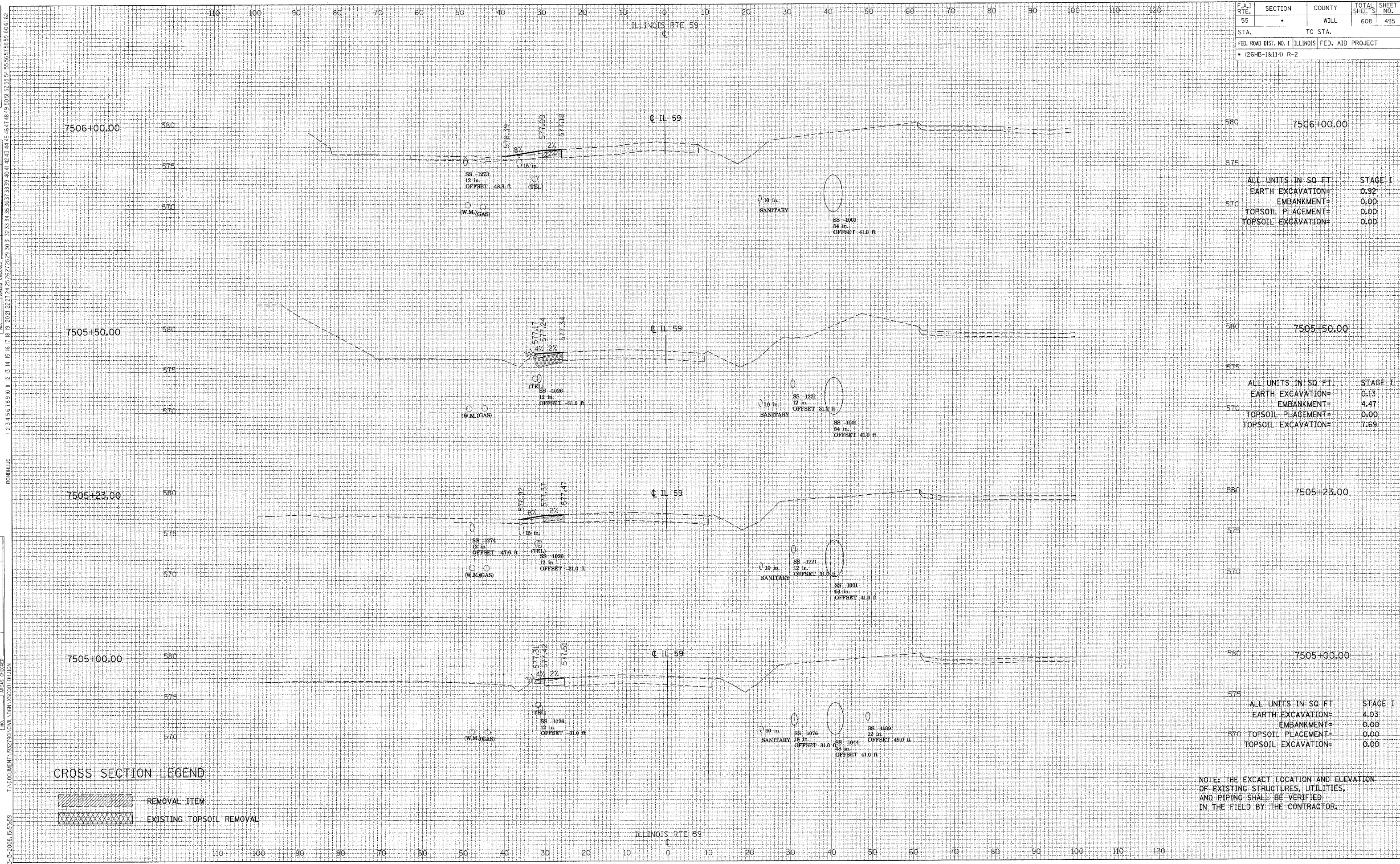
DATE	BY

NO.	NO.

DATE	BY

NO.	NO.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	495
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* (26HB-18114) R-2				



ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	0.92
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	0.13
EMBANKMENT=	4.47
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	7.69

ALL UNITS IN SQ. FT.	STAGE I
EARTH EXCAVATION=	4.03
EMBANKMENT=	0.00
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

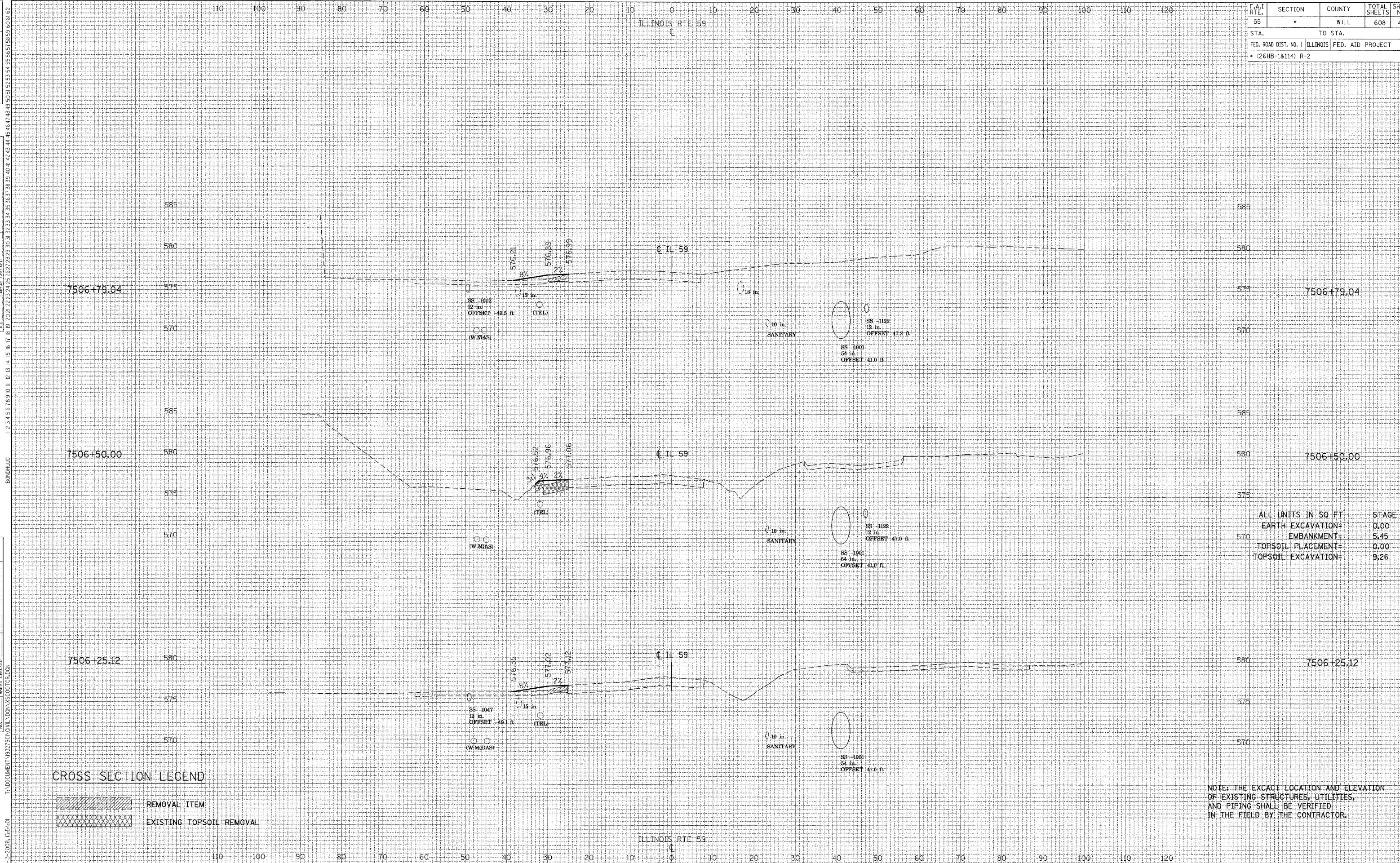
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REVISIONS	DATE

BY	DATE

NO.	DATE	BY	DESCRIPTION

NO.	DATE	BY	DESCRIPTION



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	496

STA.	TO STA.
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT

• (26HB-1&114) R-2

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	0.00
EMBANKMENT=	5.45
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	9.26

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

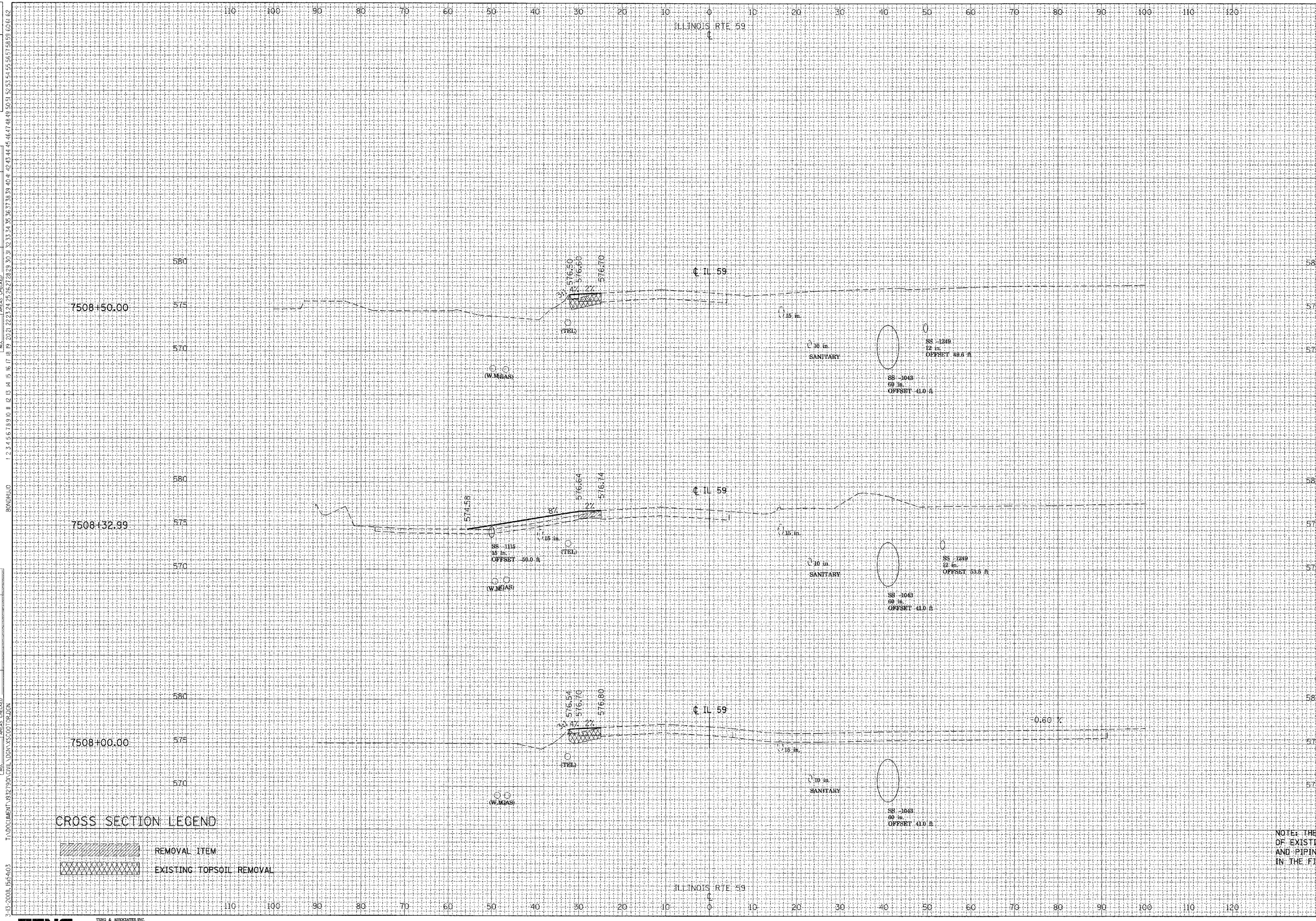
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REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE



F-A:1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	498
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT		STAGE I
EARTH EXCAVATION=	0.11	
EMBANKMENT=	5.14	
TOPSOIL PLACEMENT=	0.00	
TOPSOIL EXCAVATION=	8.29	

ALL UNITS IN SQ FT		STAGE I
EARTH EXCAVATION=	0.03	
EMBANKMENT=	5.17	
TOPSOIL PLACEMENT=	0.00	
TOPSOIL EXCAVATION=	8.42	

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

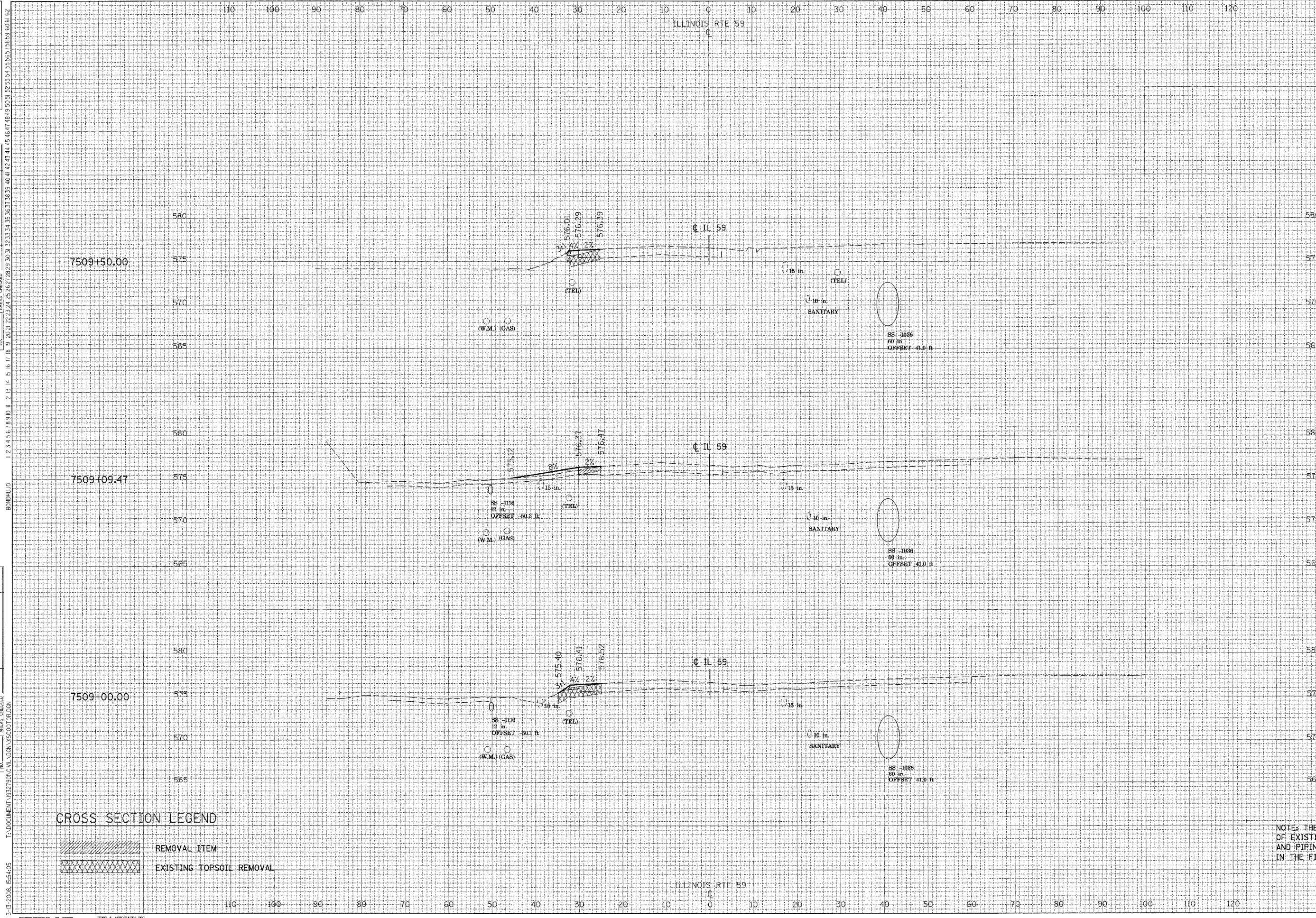
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REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	WILL	608	499
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (26HB-1&114) R-2				

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	0.00
EMBANKMENT=	5.57
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	8.72

ALL UNITS IN SQ FT	
EARTH EXCAVATION=	0.00
EMBANKMENT=	7.34
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	11.41

CROSS SECTION LEGEND

	REMOVAL ITEM
	EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

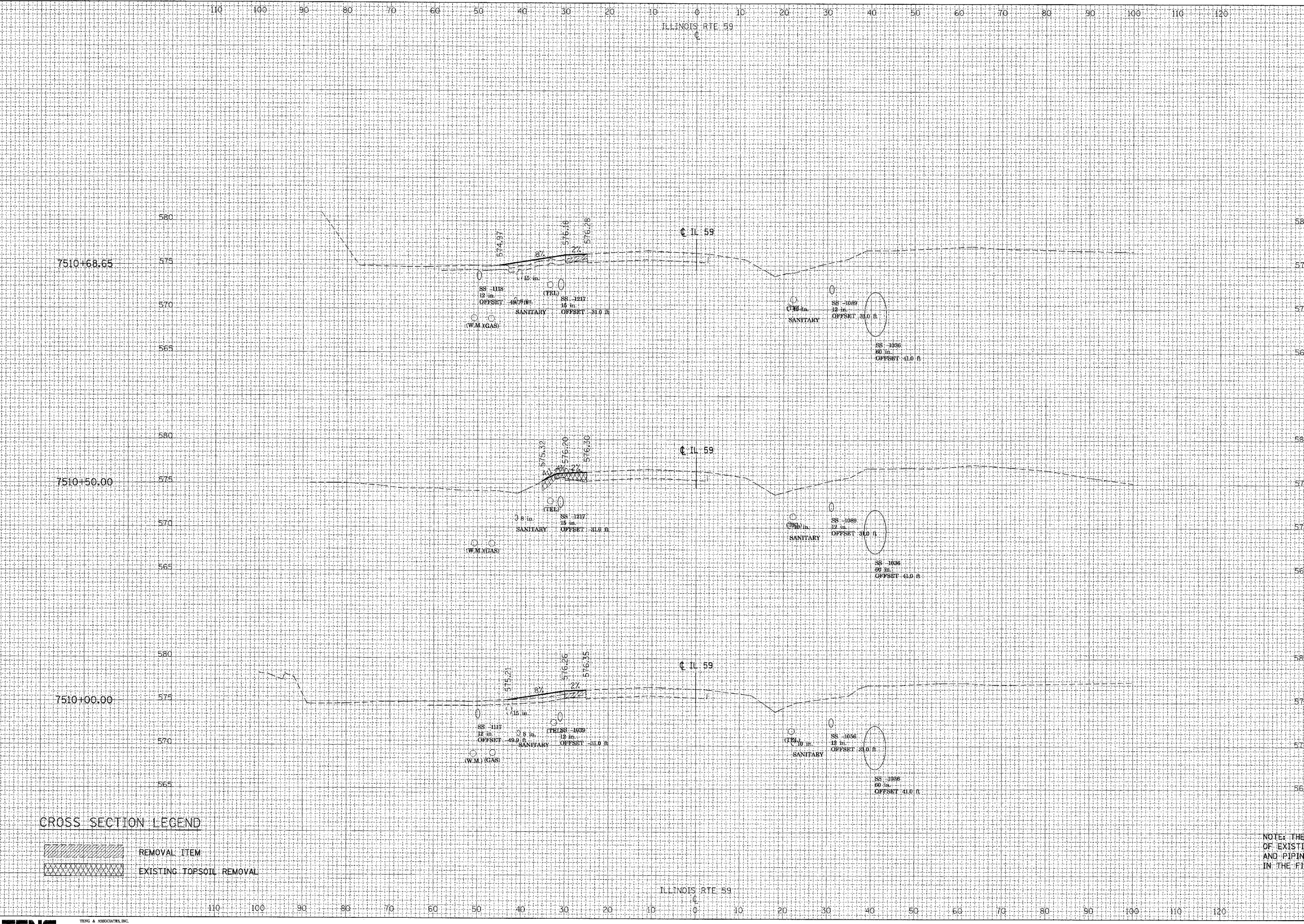
REVISIONS	DATE

BY	DATE

BY	DATE

BY	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	•	WILL	608	500
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
• (26HB-1&114) R-2				



ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	0.29
EMBANKMENT=	3.22
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	11.68

ALL UNITS IN SQ FT	STAGE I
EARTH EXCAVATION=	0.64
EMBANKMENT=	10.36
TOPSOIL PLACEMENT=	0.00
TOPSOIL EXCAVATION=	0.00

CROSS SECTION LEGEND

- REMOVAL ITEM
- EXISTING TOPSOIL REMOVAL

NOTE: THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.