

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	(46-3)I-2	KANKAKEE	10	1
ILLINOIS CONTRACT NO. 66A23				

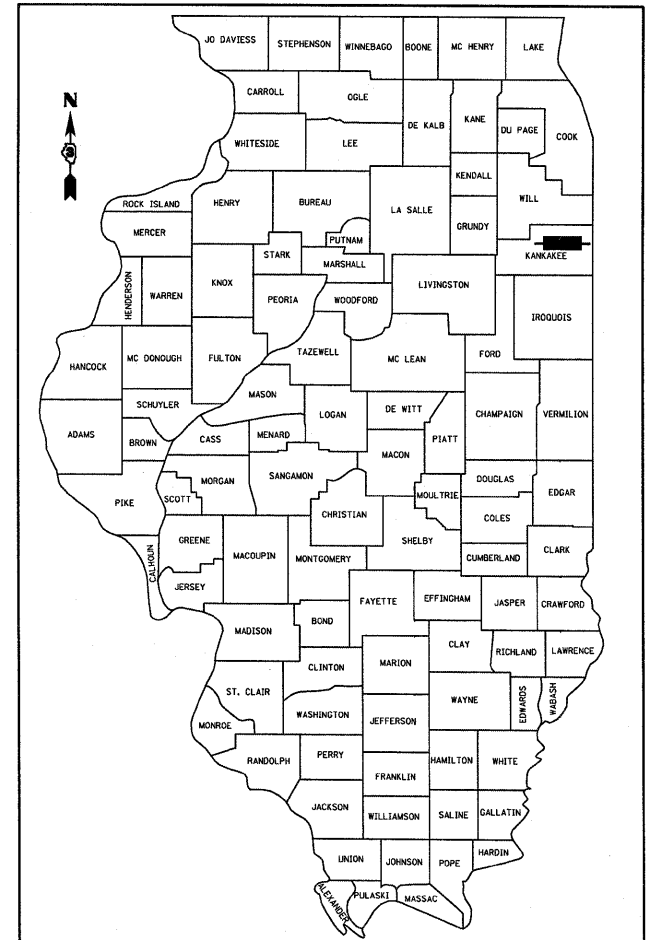
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

D-93-048-10

**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 57 (I-57)
SECTION (46-3) I-2
PROJECT ACIM-057-6(188)310
RETAINING WALL REPAIR
KANKAKEE COUNTY**

C-93-106-10



LOCATION OF SECTION INDICATED THUS:

**FUNCTIONAL CLASSIFICATION
INTERSTATE
2010 ADT = 23800
P.V = 79.2% S.U = 4.4% M.U = 16.4%**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 17 2010
George Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

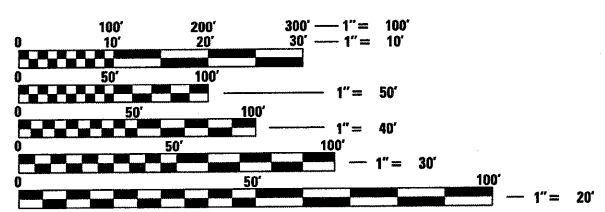
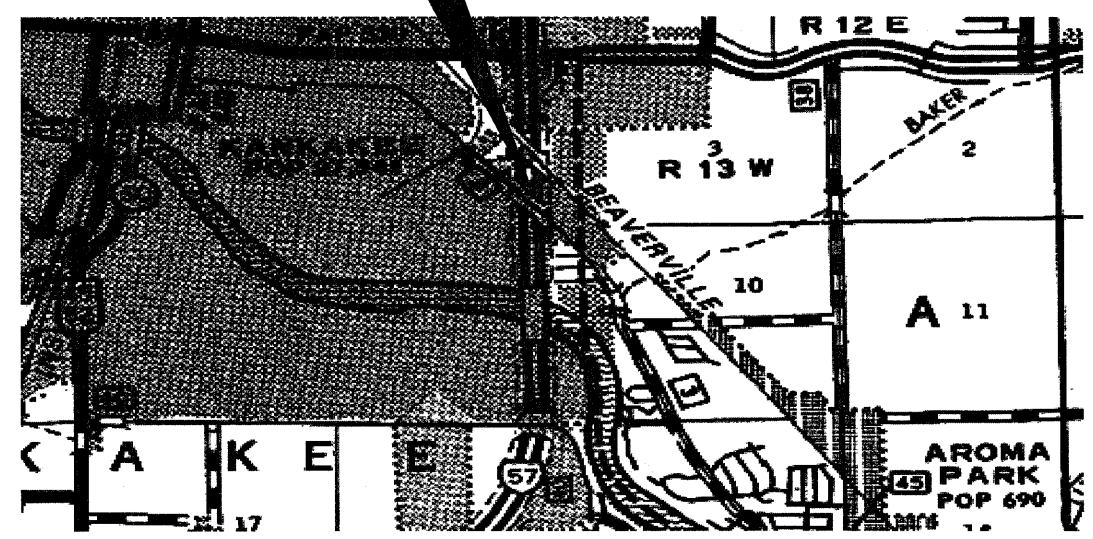
June 25 2010
Scott E. Stitt P.E. I.A.
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 25 2010
Christine M. Reed/ce
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

- INDEX OF SHEETS**
- 1. COVER SHEET
 - 2. GENERAL NOTES & SUMMARY OF QUANTITIES
 - 3. SCHEDULES
 - 4.-6. TRAFFIC CONTROL DETAILS
 - 7.-10. RETAINING WALL PLANS

- STANDARDS**
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 - 001001-02 AREAS OF REINFORCEMENT BARS
 - 001006 DECIMAL OF AN INCH AND OF A FOOT
 - 701101-02 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
 - 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
 - 701402-07 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
 - 701901-01 TRAFFIC CONTROL DEVICES

**SPOT IMPROVEMENT SN.046-8803
UNDER WALDRON RD. OVERPASS**



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

**PROJECT ENGINEER: JOE KANNEL
PROJECT MANAGER: PAT BRABOY
KANKAKEE TOWNSHIP
CONTRACT NO. 66A23**

GROSS LENGTH = NET LENGTH = 95 FT. = 0.018 MILE

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OF THE STATE OF ILLINOIS**

GENERAL NOTES
(Revised May 13, 2009)

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY-LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

SUMMARY OF QUANTITIES

		FUND CODE TYPE:		L01E
		CONSTRUCTION CODE TYPE:		Y007
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	90% FED. 10% STATE ROADWAY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	105	105
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	9	9
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	64	64
25000300	SEEDING, CLASS 3	ACRE	0.1	0.1
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	466	466
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10	10
50200100	STRUCTURE EXCAVATION	CU YD	220	220
51100500	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	36	36
59000200	EPOXY CRACK INJECTION	FOOT	35	35
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	33	33
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1	1
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	97	97
67100100	MOBILIZATION	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30
70400100	TEMPORARY CONCRETE BARRIER	FOOT	420	420
78300100	PAVEMENT MARKING REMOVAL	SQ FT	84	84
* X0326725	WET REFLECTIVE PREFORMED PLASTIC PAVEMENT MARKINGS-LINE 6"	FOOT	250	250
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOUR	60	60
X7010820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	LSUM	1	1
* X7030100	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III	FOOT	1825	1825
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1
Z0073700	TEMPORARY WALL BRACING SYSTEM	L SUM	1	1
X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	1	1
XX007265	WALL RESTRAINING ANCHORS	EACH	14	14

*SPECIALTY ITEMS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Tom Bussil
ACTING DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: Hubert Jung
DISTRICT CONSTRUCTION ENGINEER

Wayne P. Peltz
DISTRICT MATERIALS ENGINEER

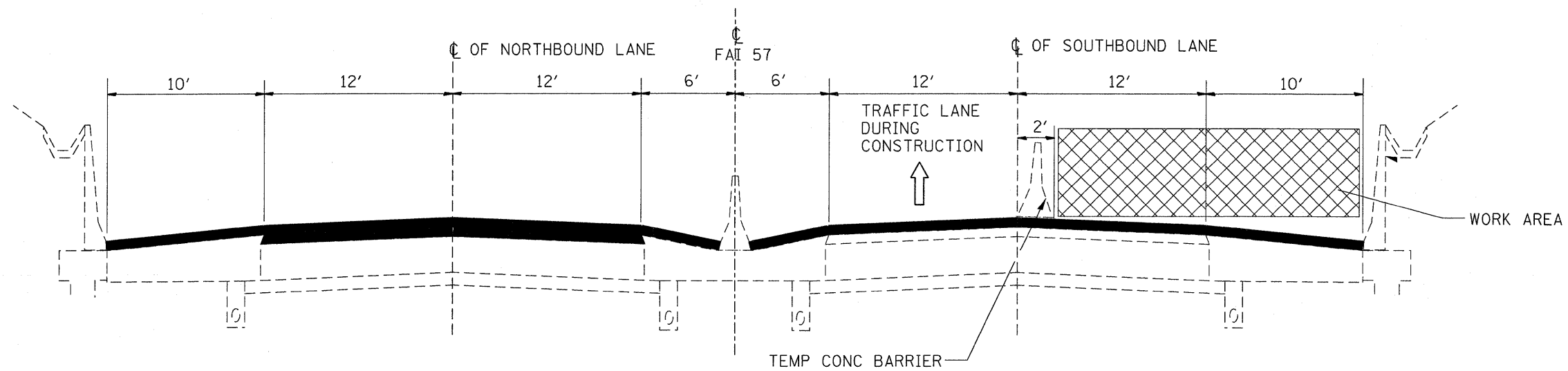
Bruce Tucker
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = braboygc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pw\work\p\dot\braboygc\d0179153\d366	23-sht-details.dgn	DRAWN -	REVISED -			-57-	(46-3)-I-2-	KANKAKEE	10	2	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 66A23					
PLOT DATE = May 13, 2010 - 12:43:53 PM	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

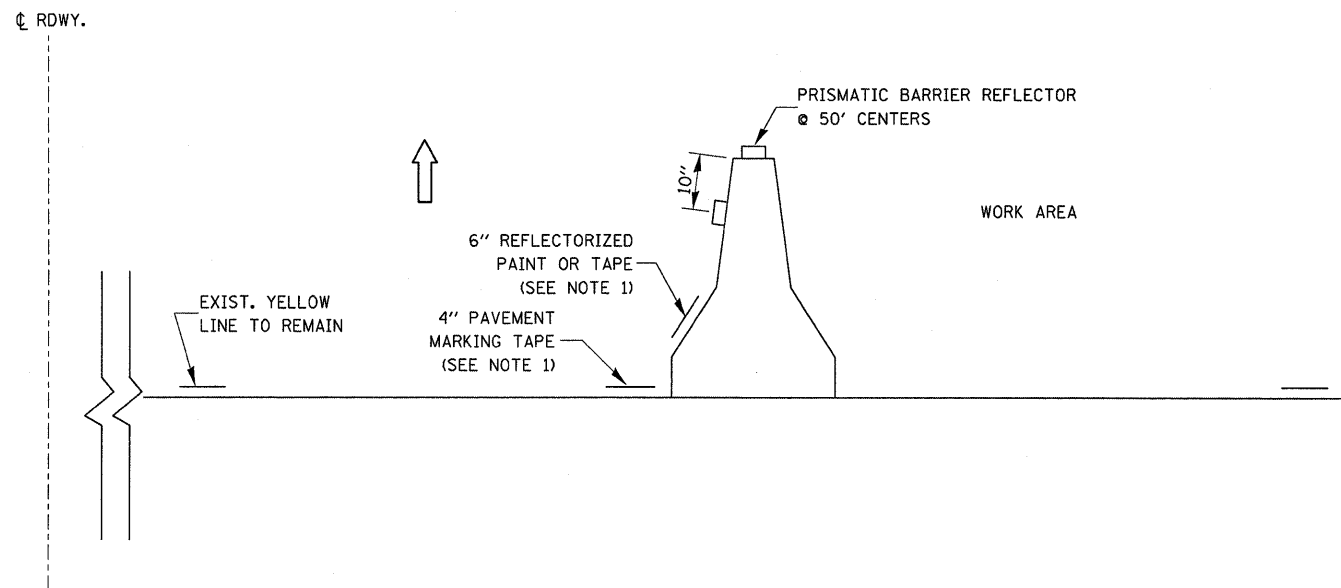
STAGE CONSTRUCTION ITEMS							
LOCATION		TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS NRD,TL3	WORK ZONE PVT MK REMOVAL(1)	PAVEMENT MARKING REMOVAL(2)	WET REFLECTIVE PREFORMED PLASTIC PVT MKS-LINE 6" (3)	WET TEMP PVT MK TAPE, TYPE III-4" WHITE
STA	LENGTH	FOOT	EACH	SQ FT	SQ FT	FOOT	FOOT
SBL	212+75 TO 231+00	1825		608	84.0	250.0	1825.0
SBL	226+80 TO 231+00	420	420.0	1			
TOTALS		420.0	1.0	608.0	84.0	250.0	1825.0

(1) WK ZONE PVT MK REMOVAL IS TO REMOVE THE WET TEMP PVT MK TAPE
(2) PAVEMENT MARKING REMOVAL IS TO REMOVE EXISTING PAVEMENT MARKINGS PRIOR TO STAGE CONSTRUCTION
(3) FOR PERMANENT USE TO BE PLACE AT CENTERLINE AT JOB COMPLETION

FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66A23							
PLOT DATE = May 13, 2010 - 12:44:35 PM	DATE -	REVISED -	SCALE: _____			SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT		



TRAFFIC CONTROL STD 701402 TYPICAL SECTION



NOTES:

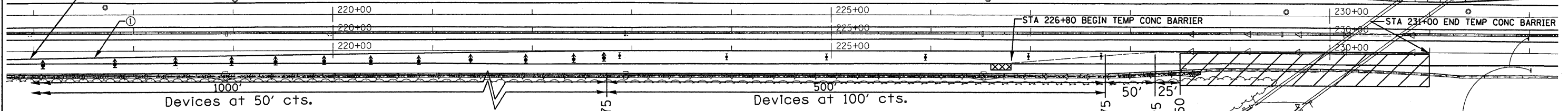
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

FILE NAME =	USER NAME = bbraboyco	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL TYPICAL SECTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = May 13, 2010 - 12:44:25 PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

KANKAKEE BEAVERVILLE, AND SOUTHERN RR



RUN TEMP PVT MK LINE TO EOP AT STA 212+75.
PLACE ARROWBOARD AT STA 215+75. SEE DETAIL
FOR STD 70400 (SPECIAL) FOR APPROACH
START OF LAND CLOSURE TAPER



G20-110310-3660
END
WORK ZONE
SPEED LIMIT

SYMBOLS

- ↑ Arrow board
- ⊥ Sign
- ↑ Direction indicator barricade with steady burn monodirectional light
- ◁ Monodirectional Barrier Wall/Guardrail Marker
- ⊥ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.
- Temporary Concrete Barrier
- ▨ Work area
- ⊗ Impact Attenuator, Temporary

SEE STANDARD 701402 FOR DETAILS NOT SHOWN

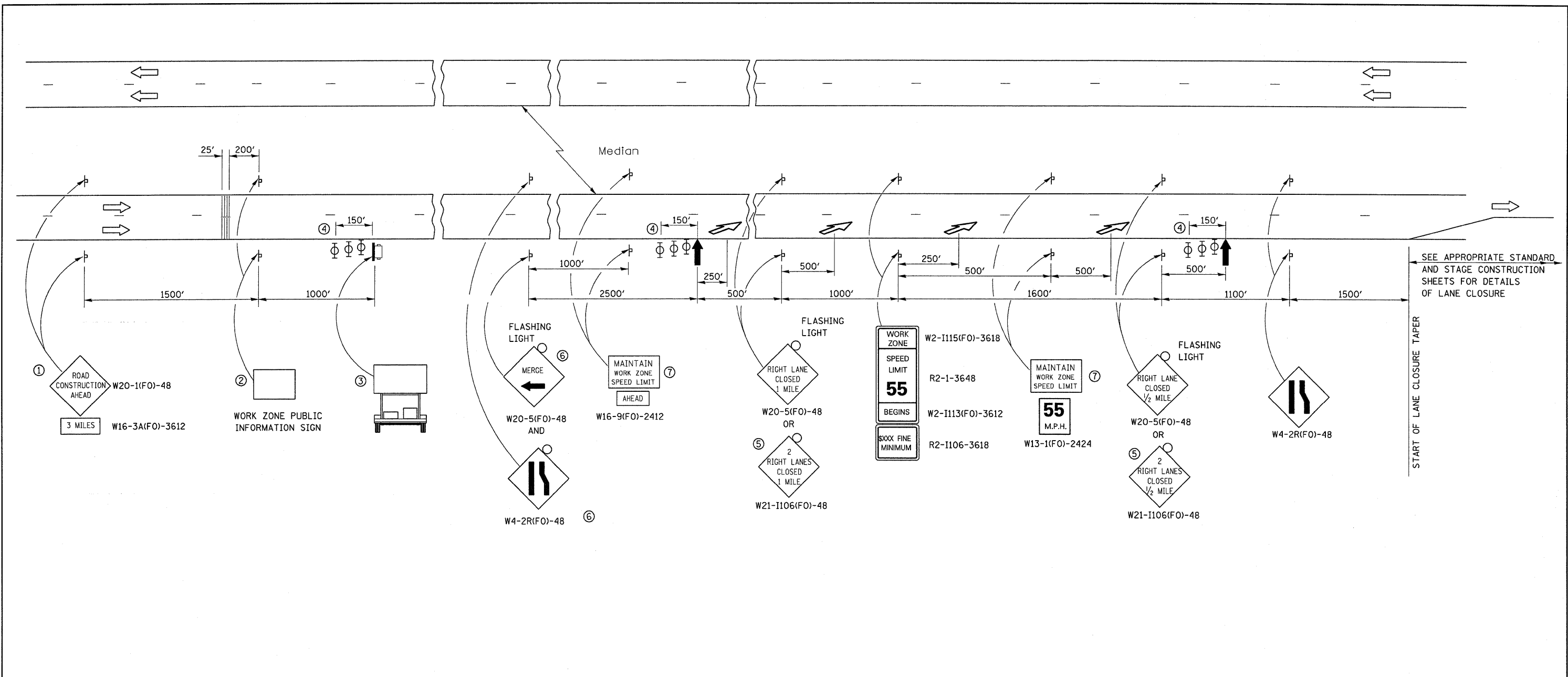
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL 701402 (SP)

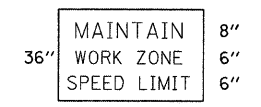
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51	146-31.1-2	KANKAKEE	10	5
CONTRACT NO. 66A23				
ILLINOIS FED. AID PROJECT				



- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.

⑦ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.
48"



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ↘ LANE DROP ARROW - SEE STANDARD 780001
- ▨ TEMPORARY THERMOPLASTIC RUMBLE STRIPS

GENERAL NOTE:

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD 701400 (SPECIAL)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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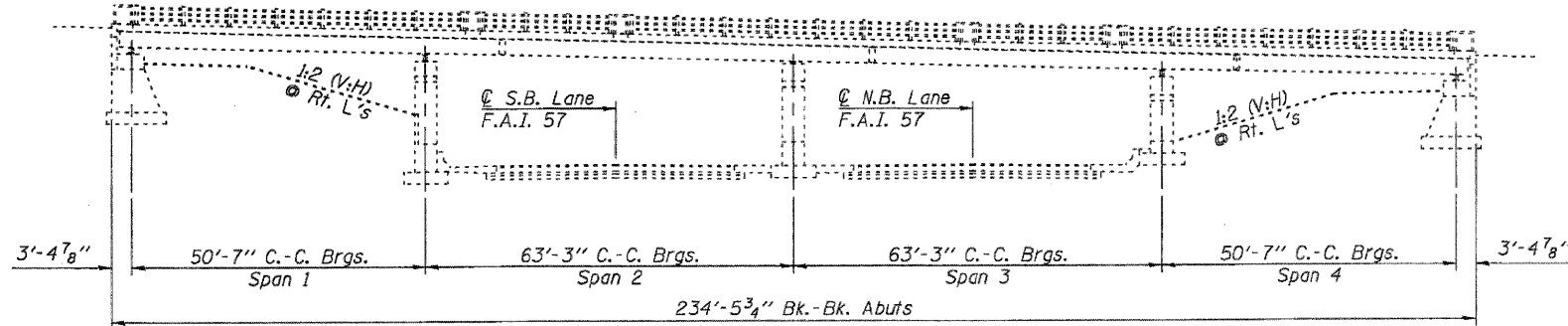
Bench Mark: Chiseled "□" on top of NE. Wingwall of S.N. 046-0080 Waldon Rd. over I-57
6.87' Rt. Sta. 20+97.93, Elev. 650.91

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure: S.N. 046-8803 was originally built in 1953 as part of the construction for S.N. 046-0080, Section 139-HB-1-HF-1. The structure is a cast-in-place reinforced concrete T-type vertical cantilever retaining wall supported by a spread footing. In 1984, construction performed under Section (46-3)R, RS-1 placed a cast-in-place concrete traffic barrier in front of S.N. 046-8803.

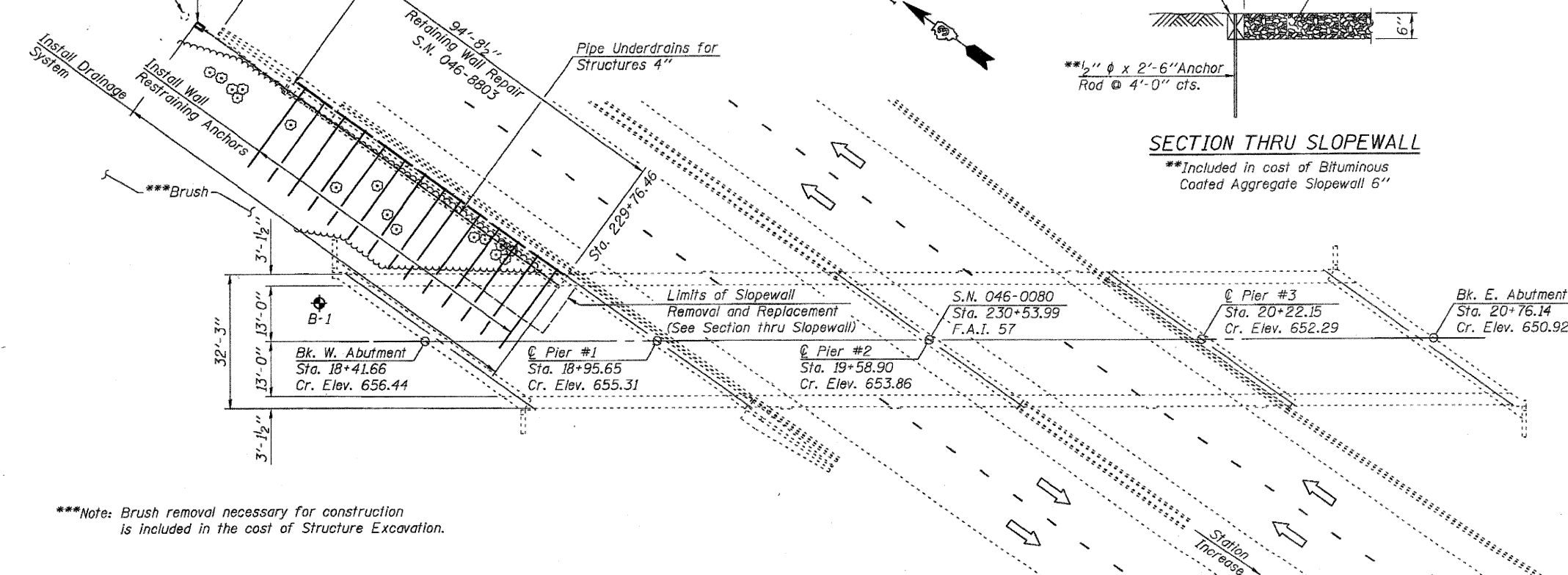
TREE LOCATION TABLE

SIZE	STATION	OFFSET	NOTE
6"	228+81	47'	REMOVE
6"	228+84	47'	REMOVE
6"	228+88	46'	REMOVE
6"	228+88	47'	REMOVE
6"	228+88	45'	REMOVE
6"	229+04	46'	REMOVE
7"	229+21	52'	REMOVE
10"	229+29	46'	REMOVE
11"	229+34	50'	REMOVE
16"	229+38	51'	REMOVE
6"	229+55	42'	REMOVE
7"	229+55	41'	REMOVE
7"	229+61	40'	REMOVE
7"	229+61	41'	REMOVE
7"	229+62	40'	REMOVE
7"	229+62	41'	REMOVE

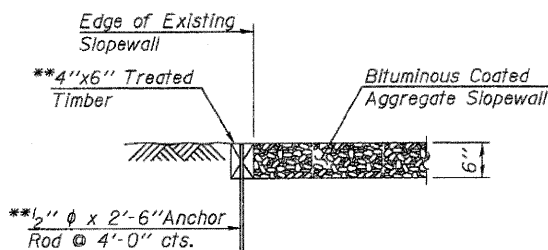


ELEVATION

Proposed Concrete Headwall for Pipe Drains
Existing Catch Basin 40' Rt., Sta. 228+69
Adjust Pipe Underdrains as required to circumvent Existing Drop Inlet 38' Rt., Sta. 228+99



PLAN



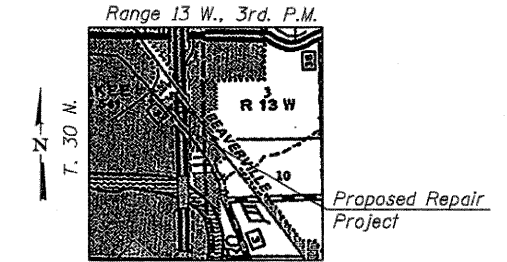
SECTION THRU SLOPEWALL

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
No heavy equipment, materials or other items associated with construction activities shall operate or be placed on the embankment behind the retaining walls in a manner that will exert lateral pressure on the walls.
Prior to excavating behind the existing retaining wall, the Contractor shall provide a temporary wall bracing system to restrain the wall during excavation operations and ground anchor installation. See Special Provision.
Portion of the existing bituminous coated aggregate slopewall located adjacent to Pier #1 at the south end of the retaining wall repair that is removed by excavation, shall be replaced as Bituminous Coated Aggregate Slopewall 6". See Special Provision.
Slopewall removal is included in cost of Structure Excavation.

INDEX OF SHEETS

- General Plan and Elevation
- 3. Wall Restraining Anchor Details
- Soil Boring Log



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
* Wall Restraining Anchors	Each	14
* Temporary Wall Bracing System	L. Sum	1
Geocomposite Wall Drain	Sq. Yd.	33
* Pipe Underdrains for Structures 4"	Foot	97
* Porous Granular Embankment, Special	Cu. Yd.	64
Concrete Headwalls for Pipe Drains	Each	1
Epoxy Crack Injection	Foot	35
Structure Excavation	Cu. Yd.	220
Tree Removal (6 to 15 Units Dia.)	Unit	105
Tree Removal (Over 15 Units Dia.)	Unit	16
* Bituminous Coated Aggregate Slopewall 6"	Sq. Yd.	36
Nitrogen Fertilizer Nutrient	Pound	9
Phosphorous Fertilizer Nutrient	Pound	9
Potassium Fertilizer Nutrient	Pound	9
Seeding, Class 3	Acre	0.1
Heavy Duty Erosion Control Blanket	Sq. Yd.	466
Temporary Erosion Control Seeding	Pound	10

*See Special Provisions

GENERAL PLAN
AROMA PARK RD. OVER F.A.I. 57
SECTION (46-3) I-2
KANKAKEE COUNTY
STATION 229+29.11
S.N. 046-8803

DESIGNED -	J.A.M.
CHECKED -	A.R.K.
DRAWN -	S.A.P.
CHECKED -	A.R.K. & J.A.M.



John A. Morris 05-07-10
Expires 11-30-2010

DESIGN STRESSES

FIELD UNITS

$f'_c = 2,000$ psi (Existing Concrete)
 $f_s = 20,000$ psi (Existing Reinforcement)
 $f_y = 50,000$ psi (Structural Steel)
 $f_y = 75,000$ psi (Anchor Bars)
 $f'_c = 3,000$ psi (Grout)

DESIGN SPECIFICATIONS

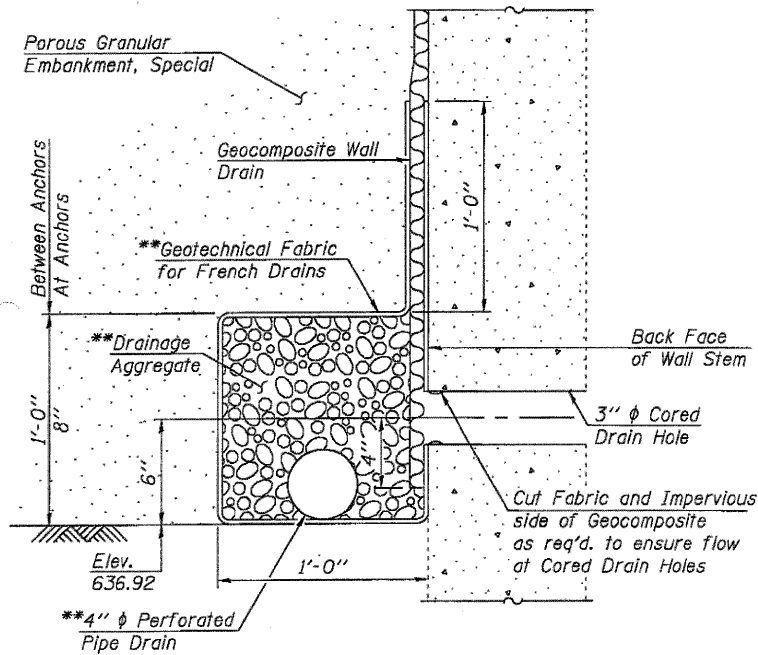
2007 AASHTO LRFD Bridge Design Specifications with Interims

Fehr-Graham & Associates, LLC
ENGINEERING AND SCIENCE CONSULTANTS
FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL
4440 ASH GROVE SPRINGFIELD, IL 62711 (217)-793-8600 www.fehr-graham.com

SHEET NO. 1
4 SHEETS

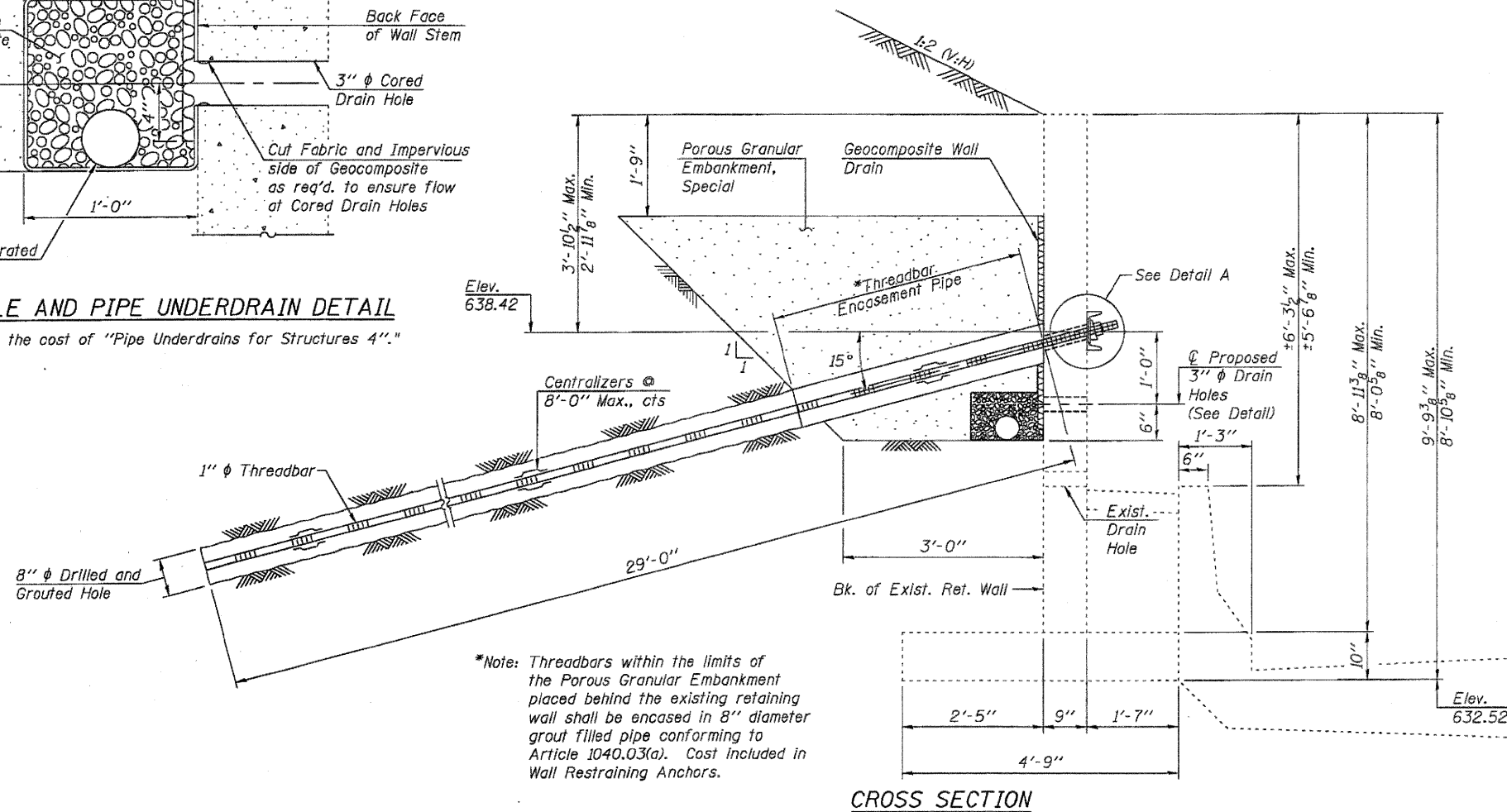
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3) I-2	KANKAKEE	10	7
CONTRACT NO. 66A23				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



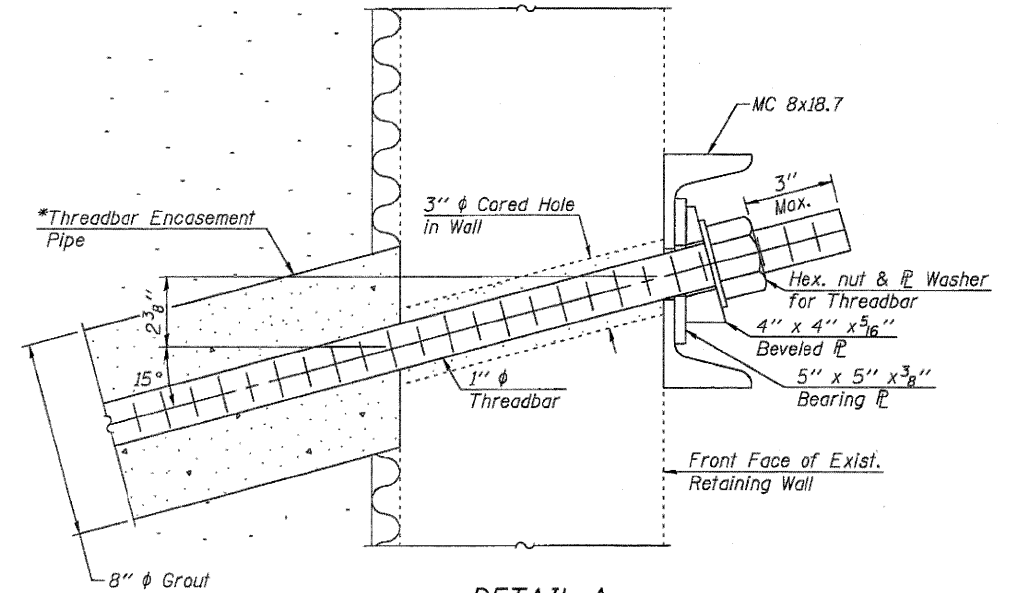
DRAIN HOLE AND PIPE UNDERDRAIN DETAIL

**Included in the cost of "Pipe Underdrains for Structures 4".



CROSS SECTION

*Note: Threadbars within the limits of the Porous Granular Embankment placed behind the existing retaining wall shall be encased in 8" diameter grout filled pipe conforming to Article 1040.03(a). Cost included in Wall Restraining Anchors.



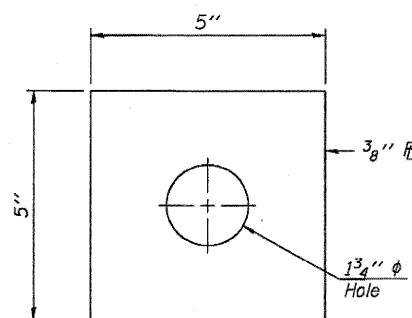
DETAIL A

NOTES

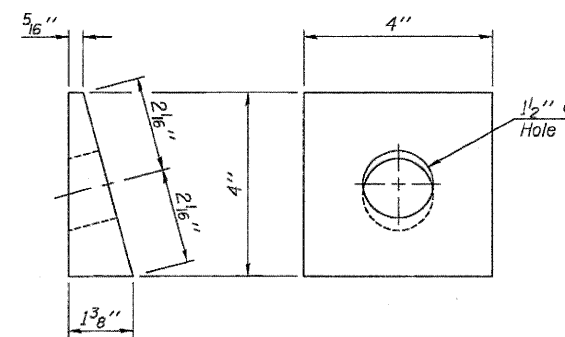
1. Wall Restraining Anchor - Factored Design Load = 29,000 pounds/Anchor.
2. Cost of channel MC 8x18.7, plates, washers and nuts is included in the cost of Wall Restraining Anchors.
3. All Structural Steel shapes and plates shall be AASHTO M270 Grade 50 and shall be galvanized according to AASHTO M111.
4. Cost of coring Drain Holes in existing wall is included in the cost of Wall Restraining Anchors.

CONSTRUCTION SEQUENCE

1. Provide temporary wall bracing system to restrain the existing retaining wall.
2. Core holes in the existing retaining wall at the locations shown in the plans.
3. Excavate behind the wall to 6" below the proposed drain holes. The excavation shall be limited to only that which is necessary for the placement of Porous Granular Embankment, Geocomposite Wall Drain, Pipe Underdrains and the positioning of drilling hardware.
4. Drill 8" diameter holes into the embankment behind the wall at the angle and to the depth shown in the plans.
5. Place Geocomposite Wall Drain, Pipe Underdrains, Porous Granular Embankment and Threadbar Encasement Pipes behind the existing retaining wall.
6. Place Threadbars in the holes drilled in the embankment as shown in the plans and fill holes with grout from the bottom of the drill holes to the face of the existing retaining wall.
7. No sooner than 3 days after grouting, install nuts and washers to the Threadbars to secure the steel channels and plates to the face of the existing retaining wall, as shown in the plans.
8. Remove temporary wall bracing system.
9. Repair cracks in existing wall with epoxy injected compound.



BEARING PLATE



BEVELED PLATE

DESIGNED -	J.A.M.
CHECKED -	A.R.K.
DRAWN -	S.A.P.
CHECKED -	A.R.K. & J.A.M.

WALL RESTRAINING ANCHOR DETAILS
AROMA PARK RD. OVER F.A.I. 57
SECTION (46-3) I-2
KANKAKEE COUNTY
STATION 229+29.11
S.N. 046-8803

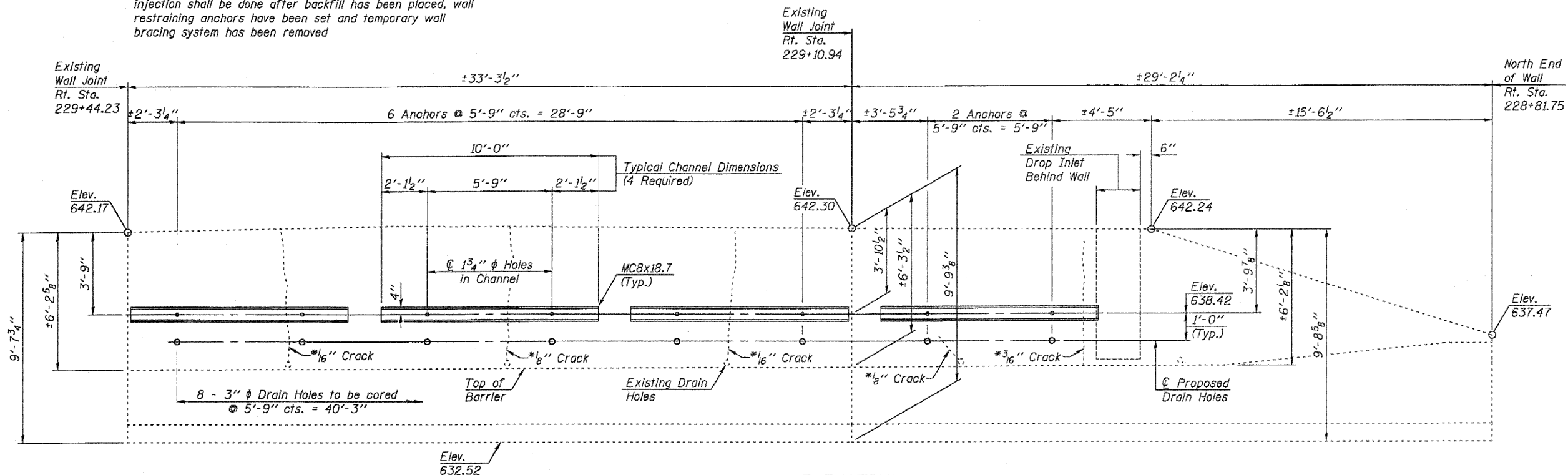
FEHR-GRAHAM & ASSOCIATES, LLC
ENGINEERING AND SCIENCE CONSULTANTS
FREEPORT, IL. ROCKFORD, IL. ROCHELLE, IL. MONROE, WI. SPRINGFIELD, IL.

SHEET NO. 2
4 SHEETS

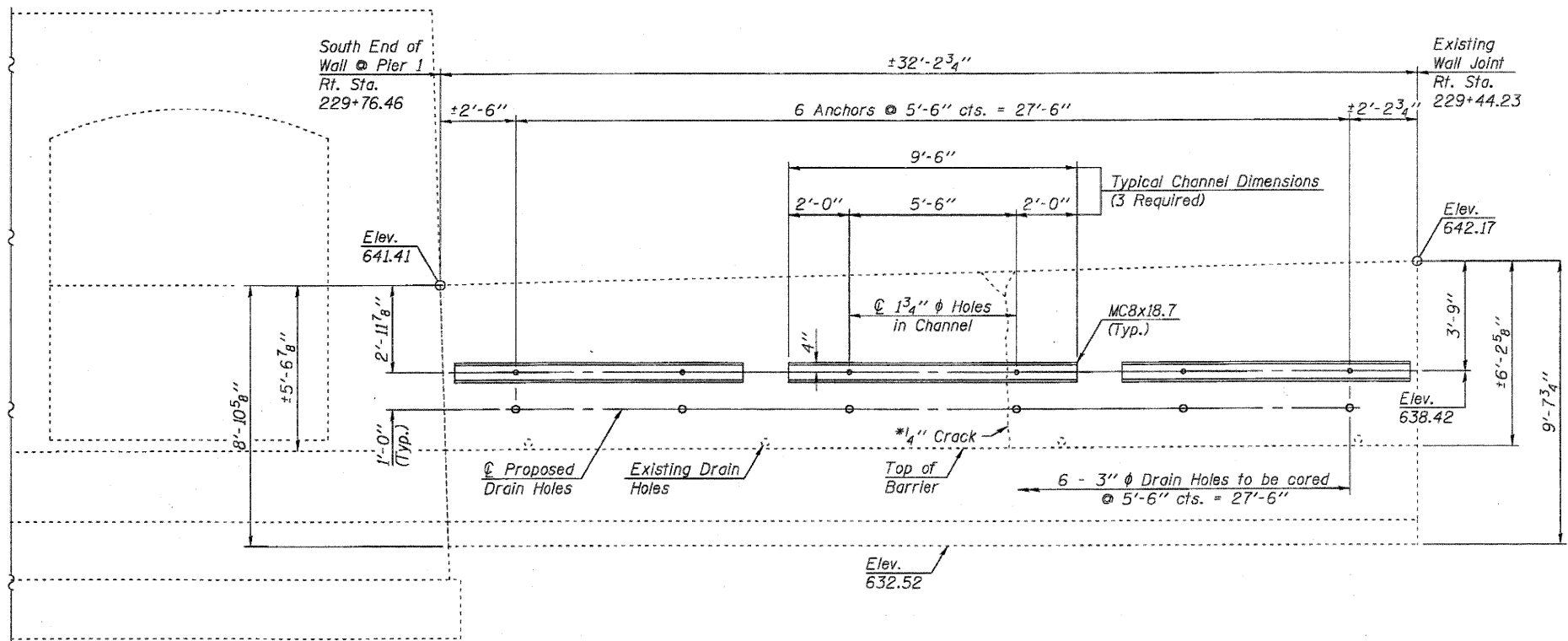
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3) I-2	KANKAKEE	10	8
CONTRACT NO. 66A23				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

*Note: Vertical cracks in existing retaining wall at existing drain holes to be injected with epoxy bonding compound. Crack injection shall be done after backfill has been placed, wall restraining anchors have been set and temporary wall bracing system has been removed



ELEVATION
(Sta. 228+81.75 to Sta. 229+44.23)
(Looking West @ Front Face of wall and Wale System)



ELEVATION
(Sta. 229+44.23 to Sta. 229+76.46)
(Looking West @ Front Face of wall and Wale System)

WALL RESTRAINING ANCHOR DETAILS
AROMA PARK RD. OVER F.A.I. 57
SECTION (46-3) I-2
KANKAKEE COUNTY
STATION 229+29.11
S.N. 046-8803

DESIGNED -	J.A.M.
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FEHR-GRAHAM & ASSOCIATES, LLC
ENGINEERING AND SCIENCE CONSULTANTS
FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL
4440 ASH GROVE SPRINGFIELD, IL 62711 (217) 783-9600 www.fehr-graham.com

SHEET NO. 3 4 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(46-3) I-2	KANKAKEE	10	9
CONTRACT NO. 66A23					
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 3/27/10

ROUTE Waldron Rd (FAU 6184) DESCRIPTION Waldron Road over I-57, Retaining Wall Soil Investigation LOGGED BY Larry Myers

SECTION 139-HB-1-HF-1 LOCATION SE 1/4, SEC. 4, TWP. 30N, RNG. 13W

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0080
Station 230+53.99
BORING NO. 1 (NW Quad.)
Station 18+17
Offset 9.00ft Lt.
Ground Surface Elev. 657.19 ft

D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	D E P T H	B L O W S	U C S Qu	M O I S T	Groundwater Elev.:
										First Encounter _____ ft
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)			
						5				Hard, Brown/Gray, Silty Clay/Silty Clay Loam, Till (continued)
						6	4.6	19.1		
						7	S			
				654.69						
	4					3				
	5	3.5	23.2			5	4.0	21.5		
	6	P				7	S			
				632.19	-25					
	3					4				
	4	3.5	17.9			8	4.0	12.4		
	5	P				12	P			
				629.69						
	3					100/1"	No			
	5						Recovery			
	8	4.3	21.6							
		S								
				648.69						
	8									
	12	8.2	17.0							
	14	S								
	9									
	10	8.2	18.8							
	11	S								
				642.19	-15					
	3									
	4	3.0	20.4							
	5	P								
	3									
	4	3.0	17.8							
	5	P								
				637.69	-20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

SOIL BORING LOG
AROMA PARK RD. OVER F.A.I. 57
SECTION (46-3) I-2
KANKAKEE COUNTY
STATION 229+29.11
S.N. 046-8803

DESIGNED	J.A.M.
CHECKED	A.R.K.
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FEHR-GRAHAM & ASSOCIATES, LLC ENGINEERING AND SCIENCE CONSULTANTS FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL 4440 ASH GROVE SPRINGFIELD, IL 62711 (217)-783-8600 www.fehr-graham.com	SHEET NO. 4	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4 SHEETS	57	(46-3) I-2	KANKAKEE	10	10
	CONTRACT NO. 66A23		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	