

099-0260

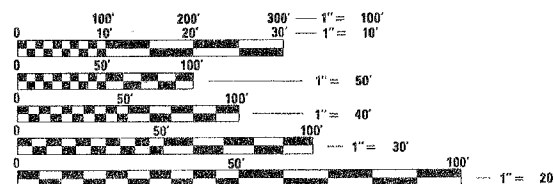
STATE OF ILLINOIS

3-11-05 Letting, Item 062

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	1

CONTRACT NO. 62389

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED:
VILLAGE OF BOLINGBROOK**DESIGN DESIGNATION**RAMP B/AUXILIARY LANE (I-55)
2250(20) ARTERIAL 17.98 (COMPOSITE-20)**TRAFFIC DATA**LOCATION: INTERSTATE 55 AT
IL ROUTE 53 NORTH RAMP WEST LEG
ADT = 5,104 (2002)
= 7,100 (2020)
DESIGN SPEED 30 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 NORTH RAMP NORTH LEG
ADT = 44,154 (2002)
= 58,000 (2020)
DESIGN SPEED 40 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 NORTH RAMP EAST LEG
ADT = 16,057 (2002)
= 22,500 (2020)
DESIGN SPEED 30 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 NORTH RAMP SOUTH LEG
ADT = 37,730 (2002)
= 50,000 (2020)
DESIGN SPEED 40 MPHLOCATION: INTERSTATE 55
NORTH OF IL ROUTE 53
ADT = 121,900 (2001)
DESIGN SPEED 55 MPHLOCATION: IL ROUTE 53
SOUTH OF INTERSTATE 55
ADT = 26,800 (2001)
DESIGN SPEED 40 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 SOUTH RAMP WEST LEG
ADT = 5,879 (2002)
= 8,200 (2020)
DESIGN SPEED 30 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 SOUTH RAMP NORTH LEG
ADT = 36,694 (2002)
= 50,000 (2020)
DESIGN SPEED 40 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 SOUTH RAMP EAST LEG
ADT = 15,315 (2002)
= 21,500 (2020)
DESIGN SPEED 30 MPHLOCATION: INTERSTATE 55 AT
IL ROUTE 53 SOUTH RAMP SOUTH LEG
ADT = 29,074 (2002)
= 35,000 (2020)
DESIGN SPEED 40 MPHLOCATION: IL ROUTE 53
NORTH OF INTERSTATE 55
ADT = 33,500 (2001)
DESIGN SPEED 40 MPH**SCALE:**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

CONTRACT NO. 62389

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI 55 (INTERSTATE 55)

SECTION: 2002-022 K

AT IL ROUTE 53

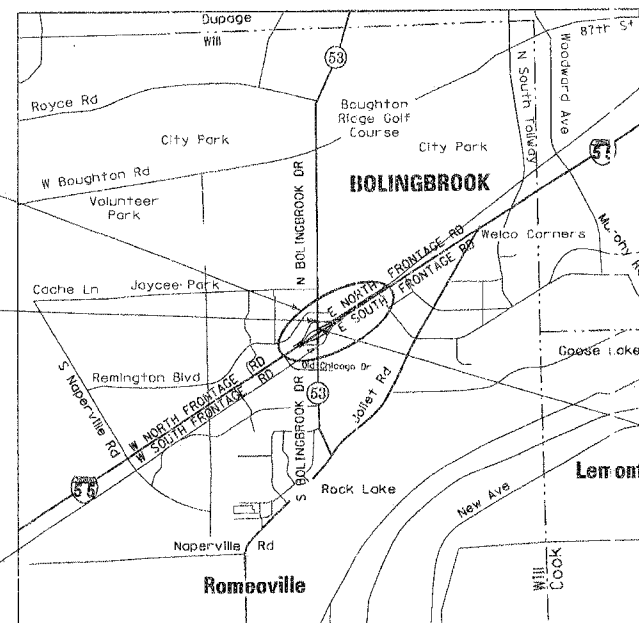
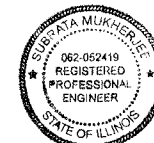
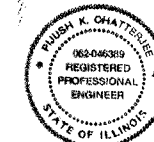
INTERCHANGE RAMP IMPROVEMENT

PROJECT: IM-055-6(214)269

WILL COUNTY

C-91-051-02

Project Location

END ILLINOIS ROUTE 53 IMPROVEMENT
STA. 1466+96BEGIN ILLINOIS ROUTE 53 IMPROVEMENT
STA. 1454+20Lockport Township: 3000 0 3000 6000
SCALE IN FEETBEGIN I-55 SOUTHBOUND EXIT AUXILIARY
LANE IMPROVEMENT STA. 23+00 =
STA 514+61.23, I-55Subrata Mukherjee
Expires: 11-30-05
FOR: LTG-01 THRU LTG-17
For: Kam Engineering, Inc.END I-55 SOUTHBOUND EXIT RAMP B
STA. 10+70.03Pijush K. Chatterjee
Expires: 11/30/05
FOR: SGH-01 THRU SGH-29
& TS-01 THRU TS-19
For: KAM ENGINEERING, INC.

PLANS PREPARED BY:

DMJM HARRIS
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60611 Phone: 312.321.6101 Fax: 312.396.2392STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 23, 20 04

Dina O'Keefe/AP
DISTRICT ENGINEERFebruary 4, 20 05
Mike Line RD
ENGINEER OF DESIGN AND ENVIRONMENTFebruary 4, 20 05
Victor Moderski
DIRECTOR, DIVISION OF HIGHWAYS**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

OCTOBER, 2004

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8	SCHEDULE OF QUANTITIES
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COMMITMENTS:

THE VILLAGE OF BOLINGBROOK IS TO BE NOTIFIED BY THE IDOT BUREAU OF CONSTRUCTION TO RELOCATE THE TREES THAT WOULD BE IMPACTED AS PART OF THE SOUTHBOUND LANE ADDITION PRIOR TO CONSTRUCTION COMMENCEMENT.

DISTRICT ONE STANDARD DETAILS:

BD03.DGN	12/21/00	OUTLET FOR CONCRETE CURB AND GUTTER
BD27.DGN	12/06/88	CONCRETE BARRIER TRANSITION, GENERAL DETAILS AND CONCRETE BARRIER BASE
BD28.DGN	02/20/04	RUSTICATION FINISH AND GEOCOMPOSITE DRAIN FOR RETAINING WALLS
BD29.DGN	NONE	CONCRETE BARRIER WALL & PIER SLOPE WALL PROTECTION DETAIL
BD32.DGN	04/06/01	BUTT JOINTS AND BITUMINOUS TAPER
BD34.DGN	08/28/00	STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TBT TY. 1 SPECIAL
BD37.DGN	NONE	MANHOLE TYPE A 7 FT. DIAMETER
TC08.DGN	04/30/03	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC09.DGN	04/30/03	FREEWAY SINGLE AND MULTI-LANE WEAVE
TC10.DGN	01/06/00	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC11.DGN	01/06/00	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW FLOW RESISTANT)
TC12.DGN	07/96	MULTI-LANE FREEWAY PAVEMENT MARKING
TC13.DGN	01/06/00	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14.DGN	01/06/00	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16.DGN	08/28/00	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC17.DGN	04/30/03	TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC18.DGN	04/30/03	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC22.DGN	02/02/99	TEMPORARY INFORMATION SIGNING

HIGHWAY STANDARDS

280001-02	TEMPORARY EROSION CONTROL SYSTEM
353001-01	PCC BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
420001-05	PAVEMENT JOINTS
420101-02	7.2 m (24') JOINTED PCC PAVEMENT
420111-01	PCC PAVEMENT ROUNDOUTS
420206-05	TYPICAL ENTRANCE RAMP TERMINAL
	JOINTED PCC RAMP ADJACENT TO CRC MAINLINE PAVEMENT
420701-01	PAVEMENT FABRIC
424001-03	SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
442001-02	CLASS A PATCHES
482001-01	BITUMINOUS SHOULDER DETAILS-ADJACENT TO FLEXIBLE PAVEMENT
482011-01	BIT.SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
442001-01	RUMBLE STRIPS FOR PCC OR BITUMINOUS SHOULDER
483001-01	PCC SHOULDER
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION FOR 600 MM (24") THRU 1300 MM (54") PIPE
542546	FLUSH INLET BOX FOR MEDIAN
601001	SUB-SURFACE DRAINS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602101-01	DRAINAGE STRUCTURES, TYPES 1, 2 & 3
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602406-01	MANHOLE, TYPE A, 1800 MM (72") DIAMETER
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604006-02	FRAME AND LIDS, TYPE 1
604036-01	GRATES, TYPE 8
604041-01	FRAME AND GRATES, TYPE 9
604046-01	FRAME AND GRATES, TYPE 10
604071-02	FRAME AND GRATES, TYPE 20
604076-02	FRAME AND GRATES, TYPE 21
604091-01	FRAME AND GRATE, TYPE 24
606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)
606301-02	PC CONCRETE ISLANDS AND MEDIANS
610001-02	SHOULDER INLET WITH CURB
630001-05	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
631046-02	TRAFFIC BARRIER TERMINAL, TYPE 10
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
637001-02	CONCRETE BARRIER (CAST IN PLACE DETAILS)
701101-01	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5 M (15') AWAY, FOR SPEEDS > OR = 45 MPH
701106-01	OFF-RD OPERATIONS, MULTILANE MORE THAN 4.5 m (15') AWAY FOR SPEEDS > 45 MPH
701301-02	SHORT TIME OPERATIONS
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-05	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701406-04	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATION ONLY
701411-03	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > OR = 45
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS > OR = 45 MPH TO 55 MPH
701423-01	LANE CLOSURE, MULTILANE, FOR SPEEDS > OR = 45 MPH TO 55 MPH
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
701606-04	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
813001-01	JUNCTION BOXES
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLE
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
BLR-10-4	PCC PAVEMENT SPECIAL DETAILS

PLAN NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 (48 HOUR NOTIFICATION REQUIRED).

10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND OTHER ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND OTHER ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE CITY OF BOLINGBROOK.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

THE CONTRACTOR SHALL CONTACT IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR FOR CABLE AND CONDUIT LOCATIONS ALONG EXPRESSWAY.

ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.

USE NO. 20 (#8) EPOXY COATED TIE BARS CONFORMING TO ART. 1006.10(B)(2) OF THE STANDARD SPECIFICATION FOR LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 AND FOR TIEING COMBINATION CONCRETE CURB & GUTTER (SPECIAL) AND P.C. CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENTS). IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS. UNLESS OTHERWISE SPECIFIED.

APPROXIMATELY 29 TRAFFIC SIGNS WILL REQUIRE RELOCATION AND/OR TEMPORARY MOUNTING DUE TO CONSTRUCTION OPERATIONS. IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FULL-DEPTH SAWING IS REQUIRED TO SATISFACTORILY REMOVE THE EXISTING CURB AND GUTTER, PAVEMENT AND DRIVEWAYS. THE COST OF FULL-DEPTH SAWING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED

THE RESIDENT ENGINEER SHALL CONTACT THE IDOT AREA TRAFFIC FIELD ENGINEER TWO WEEKS PRIOR TO PLACING ANY PERMANENT MARKING AT (815) 485-6475

THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT ARE PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

TREES TO BE REMOVED ARE TO BE BALLED, BURLAPPED, TRANSPORTED, AND TRANSPLANTED AS DIRECTED BY THE VILLAGE OF BOLINGBROOK IN ACCORDANCE WITH THE REQUIREMENTS OF TRANSPLANTED SALVAGED TREES

EXISTING FIELD CONDITIONS:
DUE TO SOME IRREGULARITIES IN THE EXISTING GROUND LINE AND DUE TO THE EXISTING FIELD CONDITIONS, IT MAY BE NECESSARY FOR THE ENGINEER TO ALTER SOME OF THE PLAN DIMENSIONS FOR EXCAVATION, CONSTRUCTION, AND SUBSEQUENT BACKFILLING OF THE IMPROVEMENTS CONSTRUCTED UNDER THIS CONTRACT. THE CONTRACTOR SHALL MAKE ALL NECESSARY SITE VISITS PRIOR TO BIDDING TO BECOME FAMILIAR WITH THE EXISTING FIELD CONDITIONS AND HOW THEY RELATE TO THE PROPOSED IMPROVEMENTS. ALL COSTS SHOULD BE REFLECTED IN THE CONTRACT UNIT PRICE FOR EACH ITEM OF WORK.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	2
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62389				

TREE REMOVAL - UTILITIES RELOCATION

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAY CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

REVISIONS		DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME			
			INDEX OF SHEETS, STATE STANDARDS, COMMITMENT AND PLAN NOTES I-55 AT IL ROUTE 53
SCALE: NTS			DRAWN BY: CC
DATE: 12/23/2004			CHECKED BY: RI

OCTOBER, 2004

DMJM HARRIS

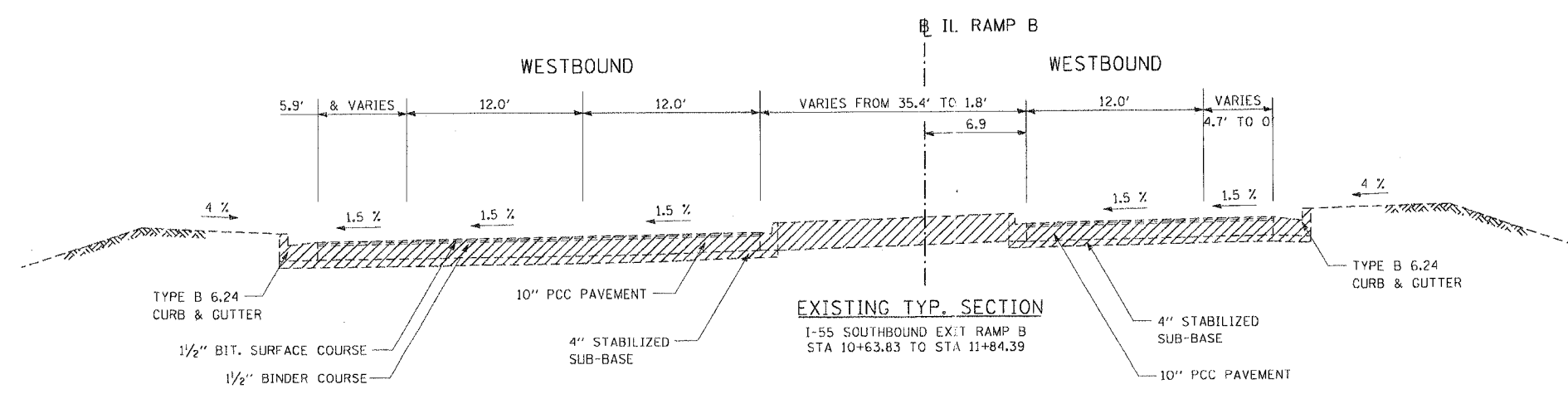
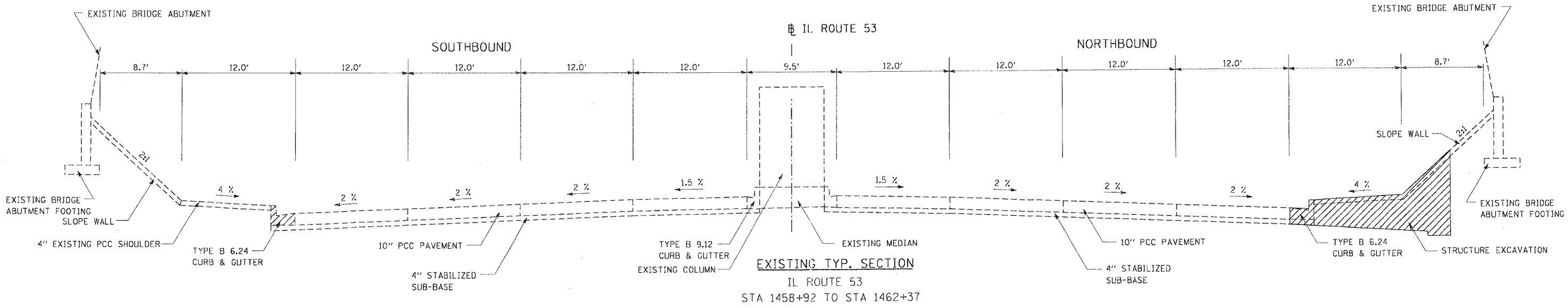
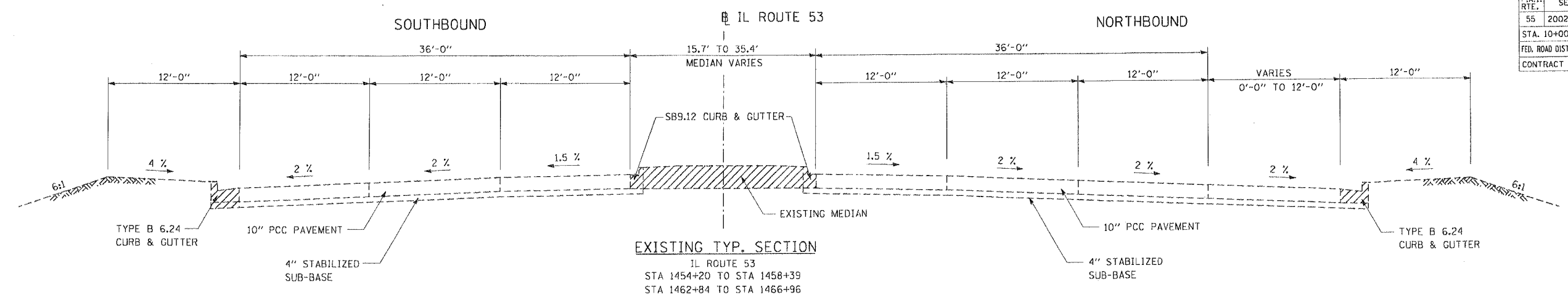
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

Rev.

PLAN	DATE
DESIGNED	
CHECKED	
IN CHARGE	
BY	
NO.	

PROFILE	DATE
DESIGNED	
CHECKED	
IN CHARGE	
BY	
NO.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	9
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62389				



LEGEND:



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
IL ROUTE 53 AND
I-55 SOUTHBOUND EXIT RAMP 'B'

SCALE: NTS
DATE: 11/8/2004

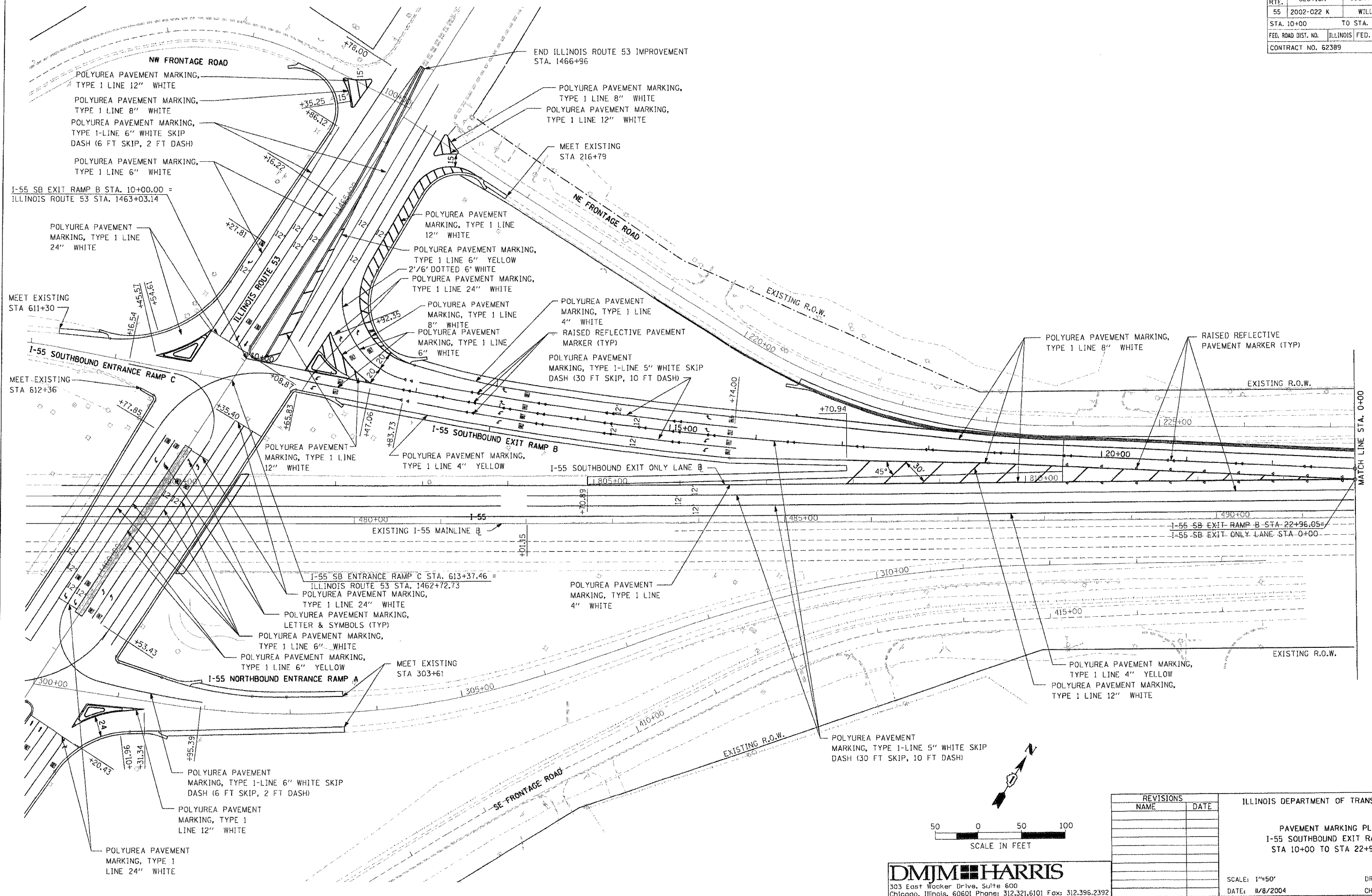
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CHECKED BY: RI

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303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL.	172	60
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62389				

PLAN	DATE	BY
DESIGNED		
PLOTTED		
NOTED		
FILE NAME		

PROFILE	DATE	BY
DESIGNED		
PLOTTED		
NOTED		
FILE NAME		



DMJM HARRIS
 303 East Wacker Drive, Suite 600
 Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
 I-55 SOUTHBOUND EXIT RAMP B
 STA 10+00 TO STA 22+96.05

SCALE: 1"=50'
 DATE: 11/8/2004

DRAWN BY: CC
 CHECKED BY: RI

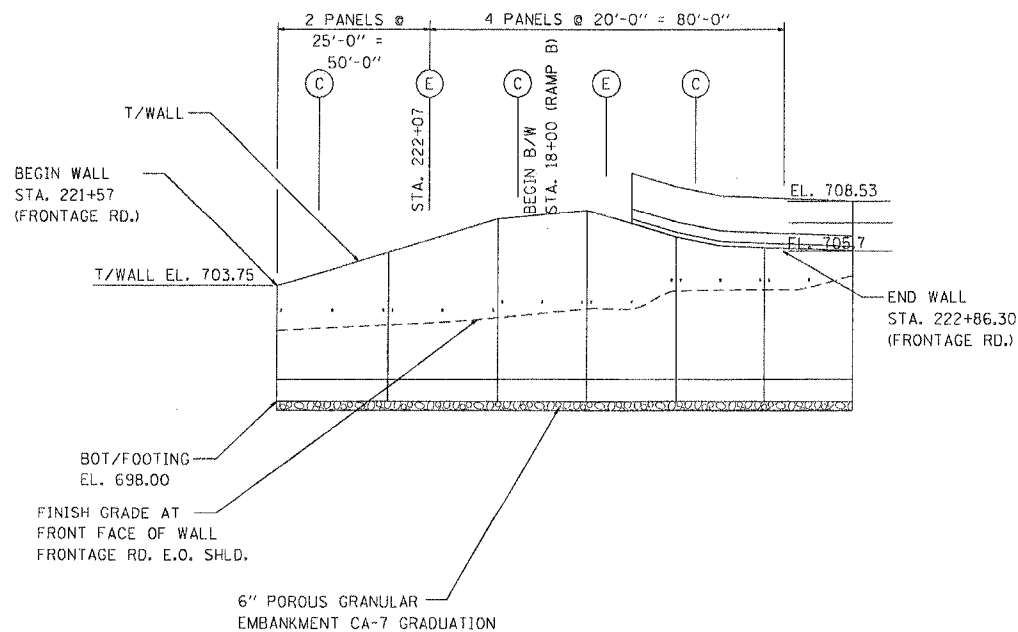
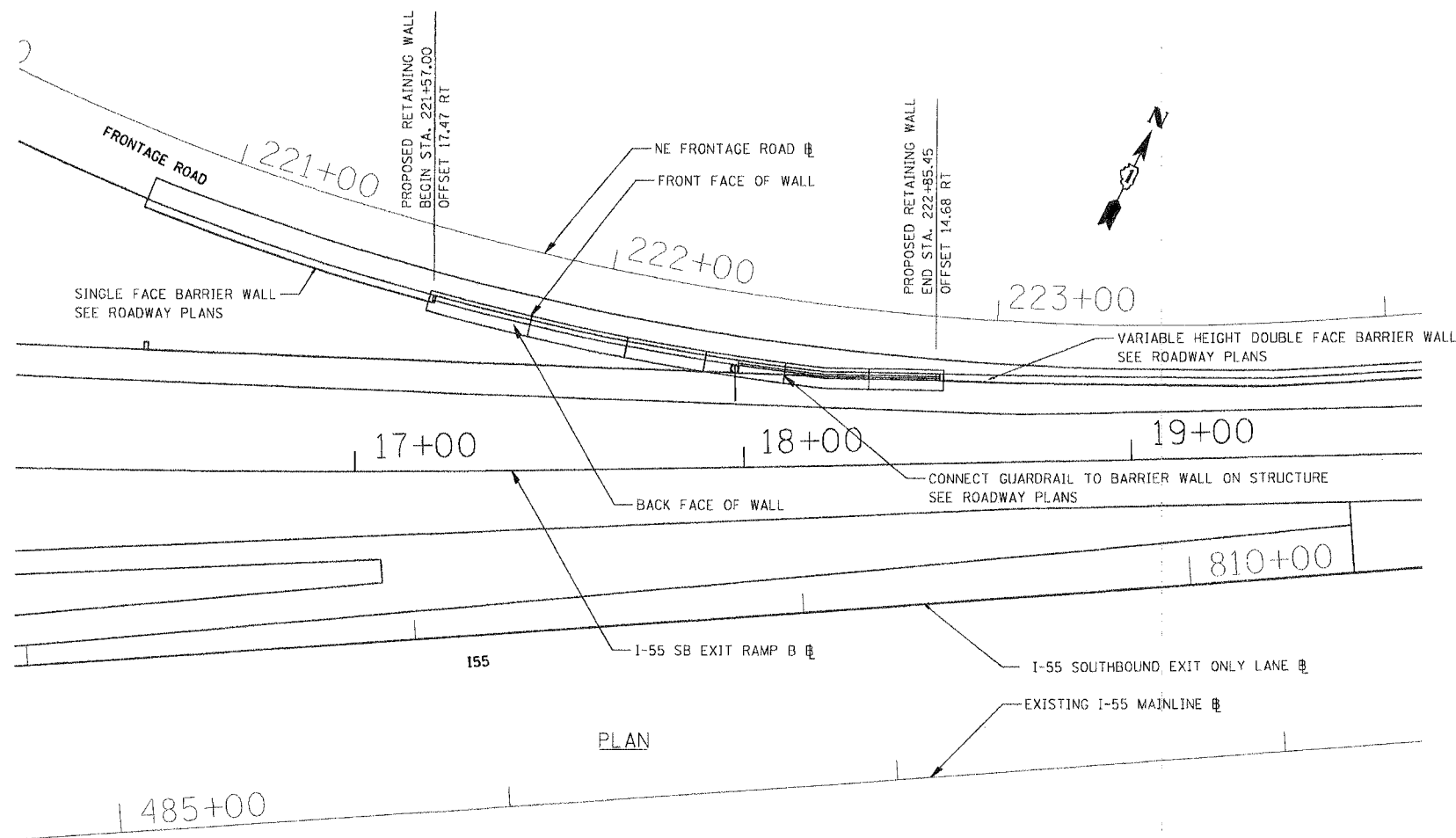
OCTOBER, 2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62389				

PLAN	DATE
BY	
CHECKED	
NOTED	
NO.	

PROFILE	DATE
BY	
CHECKED	
NOTED	
NO.	

BM #306: SET "4" ON THE SE BOLT OF SLY SUPPORT BAR TO
LARGE OVERHEAD SIGN (CENTURY TILE).
STA. 487+72.62, 168.21' LT, 1-55 @ EL. 701.99



GENERAL NOTES

1. STATION AND OFFSETS ARE MEASURED FROM NE FRONTAGE ROAD TO THE FRONT FACE OF THE RETAINING WALL.
2. EXISTING UTILITIES IN CONFLICT WITH RETAINING WALL SHALL BE ABANDONED OR RELOCATED ACCORDING TO DIRECTIONS GIVEN IN THE ROADWAY PLANS.
3. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
4. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
5. ALL EXPOSED CONCRETE EDGES SHALL HAVE 3/4" BY 45° CHAMFER EXCEPT WHERE SHOWN OTHERWISE. CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF 1 FOOT BELOW THE FINISHED GRADE LINE.
6. A PROTECTIVE COAT SHALL BE APPLIED ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS TO ALL CONCRETE SURFACES NOT IN CONTACT WITH SOIL.
7. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31, M42 OR M53 GRADE 60.

DESIGN SPECIFICATION:

2002 AASHTO SPECIFICATIONS
FOR HIGHWAY BRIDGES

DESIGN STRESSES:

FIELD UNITS

f'c = 3,500 PSI
fy = 60,000 PSI (REINF.)

LOADING

EQUIVALENT FLUID SOIL PRESSURE =
EARTH DRY WEIGHT = 120 PCF
SURCHARGE = 2 FT.

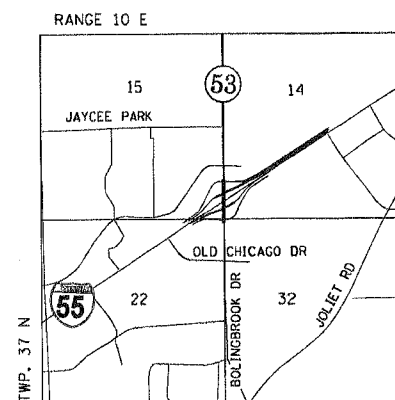
SEISMIC DATA

SEISMIC PERFORMANCE CATEGORY (SPC) = A
BEDROCK ACCELERATION COEFFICIENT (A) = 0.04g
SITE COEFFICIENT (S) = 1.0

LEGEND

- (C) - CONSTRUCTION JOINT
- (E) - EXPANSION JOINT
- ⊗ - SOIL BORING LOCATION
- ← - DIRECTION OF TRAFFIC

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
Concrete Structure	Cu. Yd.	84.2
Reinforcement Bars	Pound	9224
Expansion Bolts (1 in. dia.)	Each	60
Structure Excavation	Cu. Yd.	130
Porous Granular Embankment	Cu. Yd.	118
Rustication Finish	Sq. Ft.	77



LOCATION SKETCH

STR-01

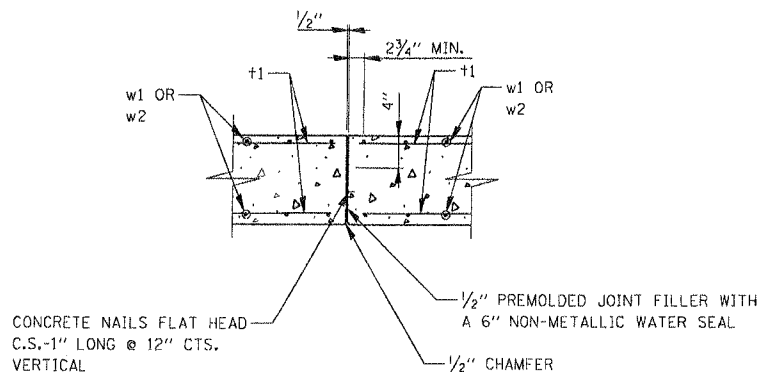
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		I-55 SB EXIT RAMP B RETAINING WALL STR. NO. 099-W020 STA 17+20 TO STA 18+50
SCALE: N.T.S.	DATE: 11/8/2004	DRAWN BY: RI
		CHECKED BY: RI

DMJM HARRIS
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

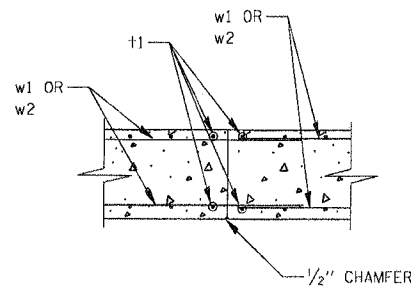
OCTOBER, 2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62389				

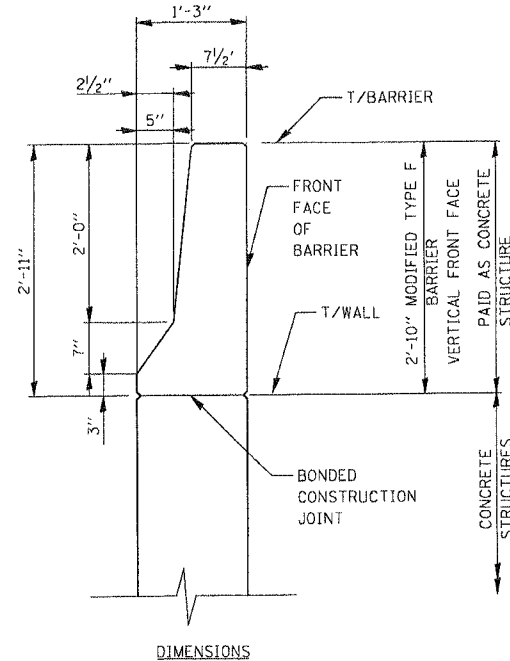
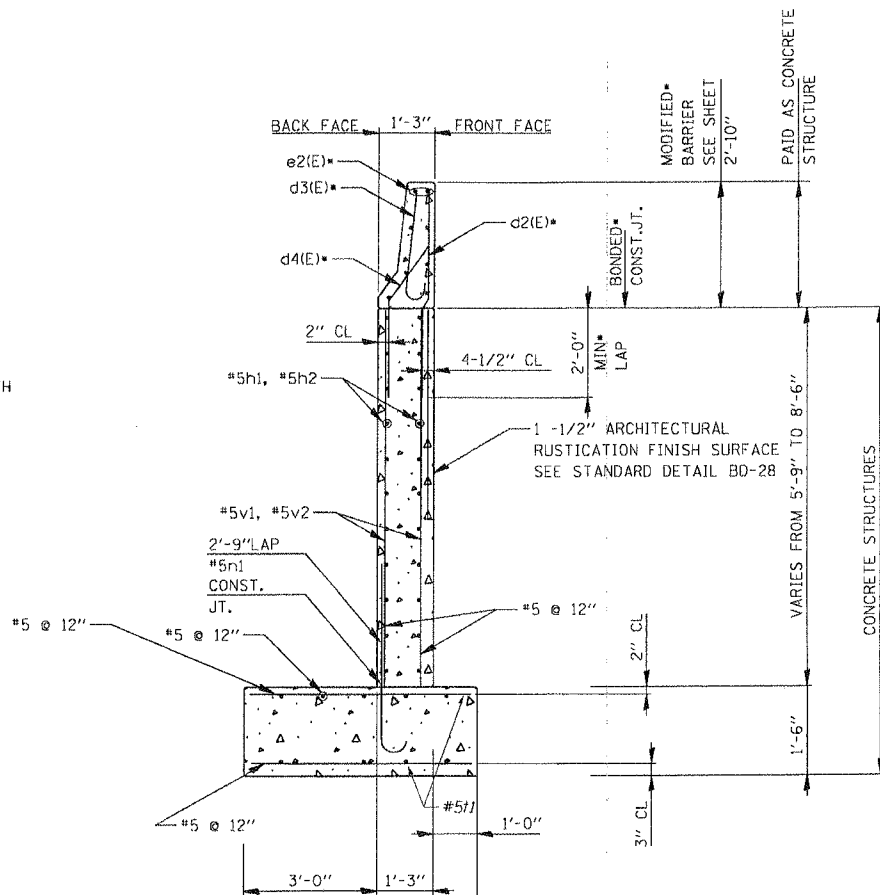
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SURVEYED	BY
NOTED	BY
NOTE BOOK	NO.
RT. OF WAY CHECKED	NO.
PAID FILE NAME	



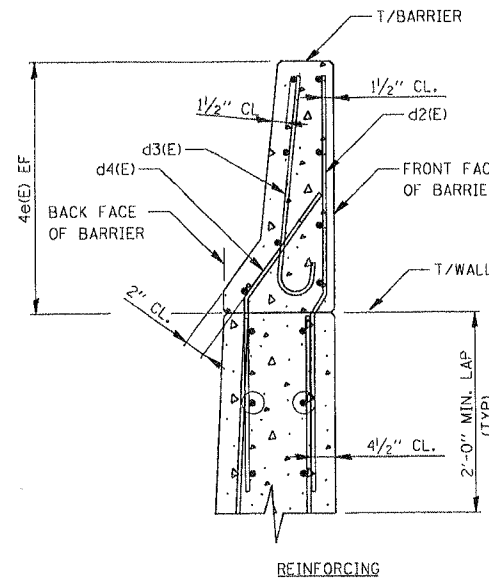
EXPANSION JOINT DETAIL



CONSTRUCTION JOINT DETAIL



DIMENSIONS

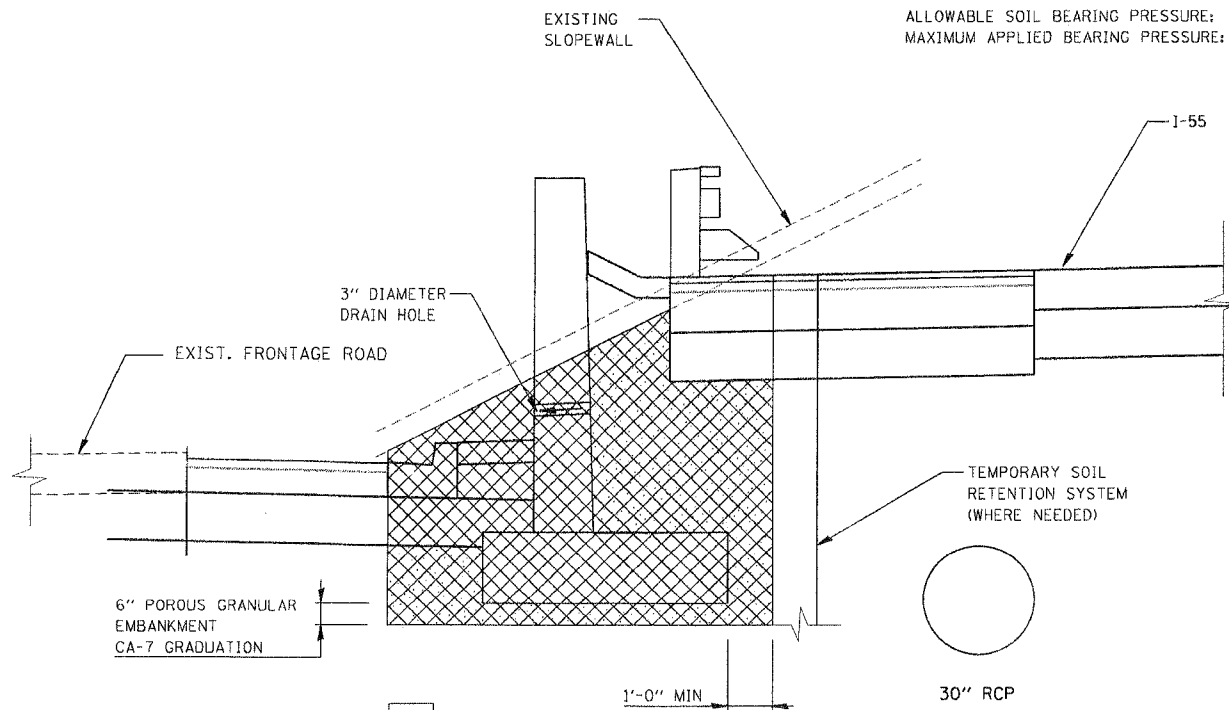


REINFORCING

TYPICAL SECTIONS - MODIFIED BARRIER

RETAINING WALL STA.221+57 TO STA. 222+85.45 FRONTAGE ROAD

ALLOWABLE SOIL BEARING PRESSURE: 5.2 KSF
MAXIMUM APPLIED BEARING PRESSURE: 2.1 KSF



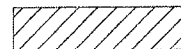
TYPICAL CROSS SECTION



STRUCTURAL EXCAVATION



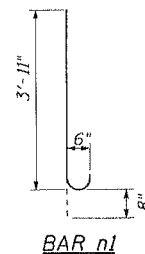
POUROUS GRANULAR EMBANKMENT



REMOVAL OF EXISTING

*** NOTE 1:**

THE CONTRACTOR SHALL DETERMINE IN THE FIELD THE ACTUAL LENGTH OF THE REINFORCEMENT BAR NEEDED AND CUT THE REINFORCEMENT TO THE NECESSARY LENGTH. AFTER CUTTING REINFORCEMENT BAR, THE CONTRACTOR SHALL CLEAN AND PAINT (IN ACCORDANCE WITH ARTICLE 508.07) REINFORCEMENT BAR ENDS WITH EPOXY PAINT TO SUFFICIENTLY COVER BAR ENDS. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS WORK AND SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR REINFORCEMENT BARS, EPOXY COATED.



BAR SCHEDULE

BAR	No.	SIZE	LENGTH	SHAPE	LOCATION
h1	28	#5	24'-9"		Panel 1,2
h2	64	#5	19'-9"		Panels 3-6
v1	100	#5	7'-0"		Panel 1,2
v2	160	#5	9'-6"		Panels 3-6
n1	130	#5	4'-7"		Laps
t1	260	#5	5'-0"		Top & Bot. of Footing
w1	20	#5	24'-9"		Panel 1,2 Footing
w2	40	#5	19'-9"		Panels 3-6 footing
exp bolt	60	1" Dia.			
d2(E)	50	#5	4'-9"		Barrier Wall Str.
d3(E)	50	#5	3'-0"		Barrier Wall Str.
d4(E)	50	#5	3'-9"		Barrier Wall Str.
e4(E)	8	#5	50'-0"		Barrier Wall Str.

STR-02

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

I-55 SB EXIT RAMP B
RETAINING WALL

SCALE: N.T.S.
DATE: 11/8/2004

DRAWN BY: RI
CHECKED BY: RI

DMJM HARRIS

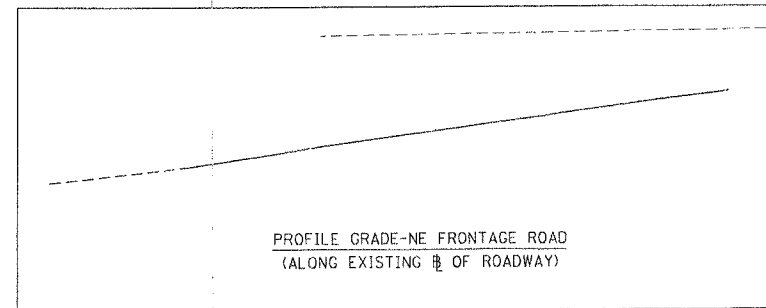
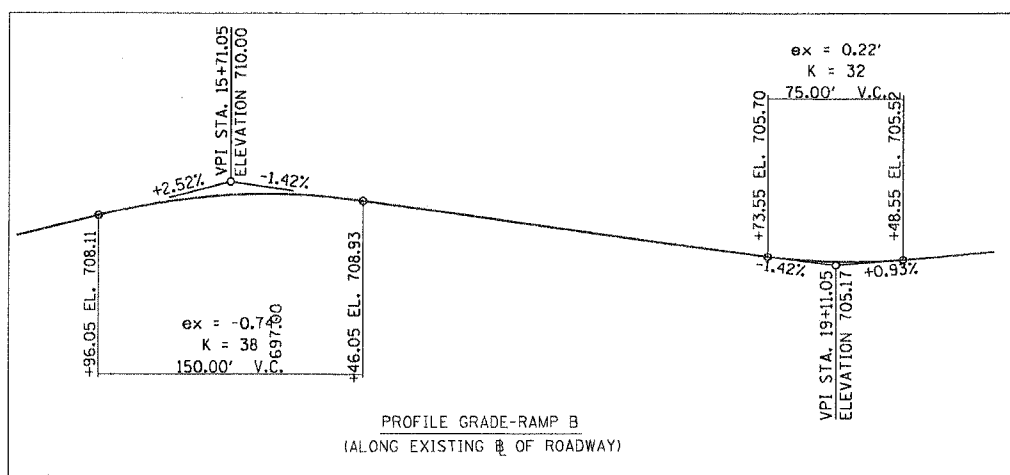
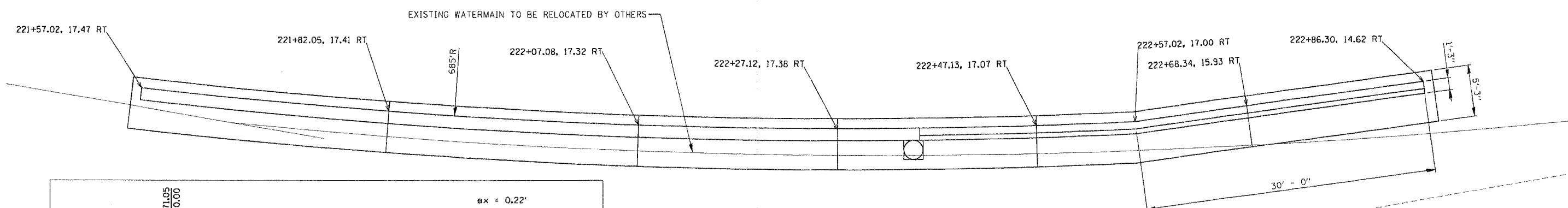
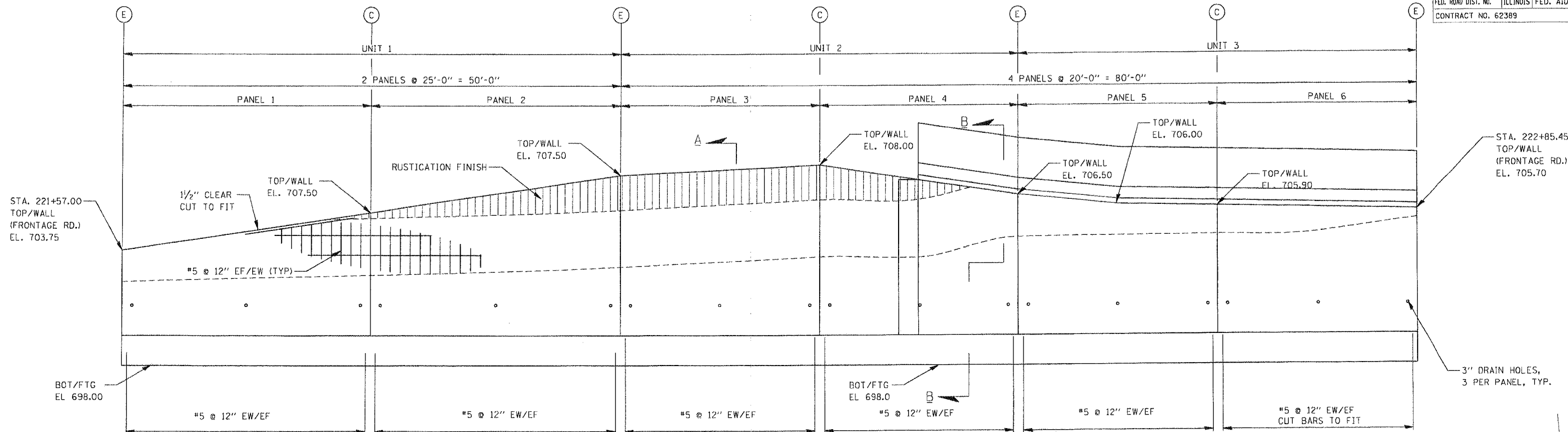
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OCTOBER, 2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	147
STA. 10+00 TO STA. 22+96.05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62389				

PLAN	DATE
BY	
CHECKED	
DATE	
NO. OF MAY CHECKED	
CAD FILE NAME	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO. OF MAY CHECKED	
CAD FILE NAME	



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REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

1-55 SB EXIT RAMP B
RETAINING WALL
STR-03

SCALE: 1"=50'

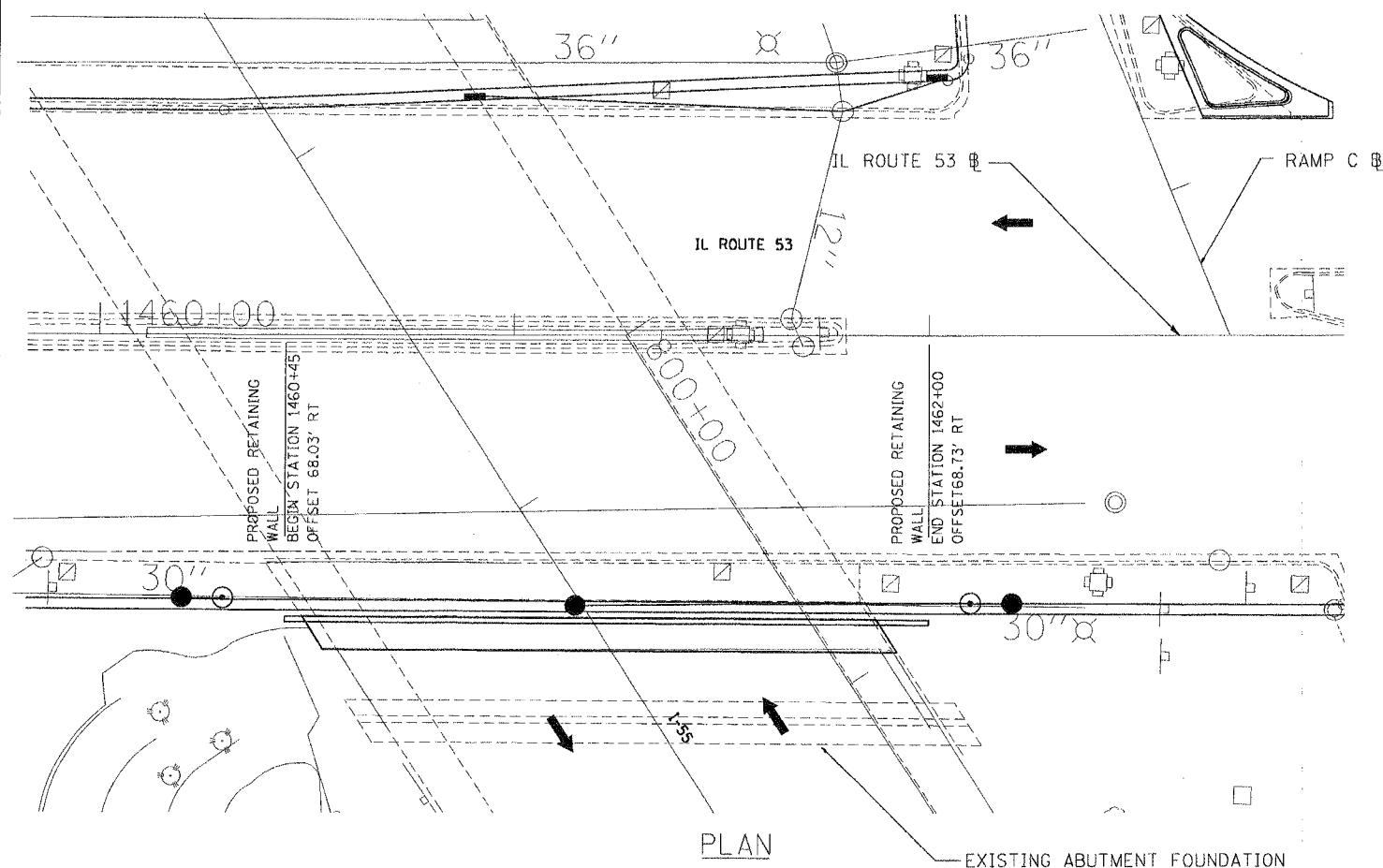
DATE: 11/8/2004

DRAWN BY: RI

CHECKED BY: RI

BM #300: SET "□" ON W. SIDE OF CONCRETE BASE OF I-55 "↑" SOUTH BLOOMINGTON/I-55 NORTH "↖" CHICAGO ON E. SIDE OF RTE 53 ±150' OF N BOUND I-55 RAMP, STA. 1456+59.76, 72.33' RT, IL RTE 53 @ ELEVATION 704.52.

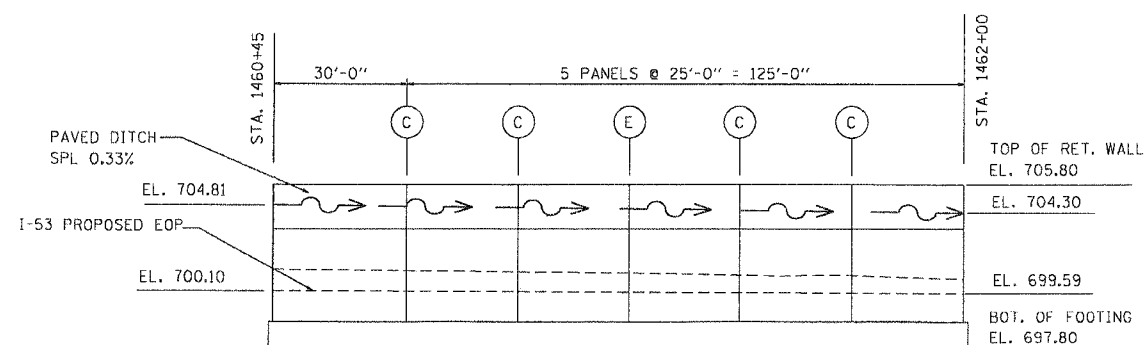
BM #302: SET "□" ON THE SW CORNER OF THE TRAFFIC SIGNAL CONTROL BOX AT THE NE CORNER OF THE EXIT RAMP OF S. BOUND I-55 & RTE 53, STA. 1463+96.26, 104.52' RT, IL RTE 53 @ ELEVATION 699.38.



PLAN

—EXISTING ABUTMENT FOUNDATION

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GAMES CHECKED		
IND. _____	I.G.M. NOTED		
	STRUCTURE NOTATIONS CHD		



ELEVATION

LOOKING EAST

1. STATION AND OFFSETS ARE MEASURED FROM 0 IL RTE 53 TO THE FRONT FACE OF THE RETAINING WALL.
2. EXISTING UTILITIES IN CONFLICT WITH RETAINING WALL SHALL BE ABANDONED OR RELOCATED ACCORDING TO DIRECTIONS GIVEN IN THE ROADWAY PLANS.
3. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
4. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
5. ALL EXPOSED CONCRETE EDGES SHALL HAVE $\frac{3}{4}$ " BY 45° CHAMFER EXCEPT WHEN SHOWN OTHERWISE. CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF 1 FOOT BELOW THE FINISHED GRADE LINE.
6. A PROTECTIVE COAT SHALL BE APPLIED ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS TO ALL CONCRETE SURFACES NOT IN CONTACT WITH SOIL.
7. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31, M42 OR M53 GRADE 60.

2002 AASHTO SPECIFICATIONS
FOR HIGHWAY BRIDGES

FIELD UNITS

$f'_c = 3,500$ PSI
 $f_y = 60,000$ PSI (REINF.)





LOADING

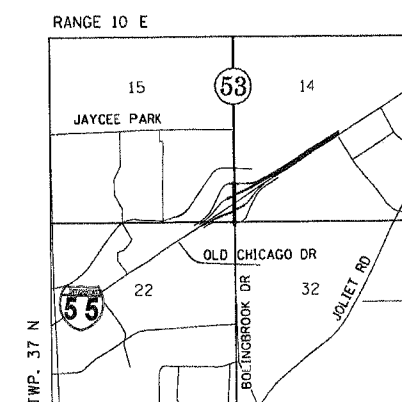
EQUIVALENT FLUID SOIL PRESSURE =
EARTH DRY WEIGHT = 120 PCF
SURCHARGE = 2 FT.

SEISMIC DATA

SEISMIC PERFORMANCE CATEGORY (SPC) = A
BEDROCK ACCELERATION COEFFICIENT (A) = 0.04g
SITE COEFFICIENT (S) = 1.0

LEGEND

-  - CONSTRUCTION JOINT
 - EXPANSION JOINT
 - SOIL BORING LOCATION
 - DIRECTION OF TRAFFIC

[illegible]

LOCATION SKETCH

STR-05

[illegible]

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 53 RETAINING WALL
STR. NO. 099-W021
STA 1460+45 TO STA 1462+00

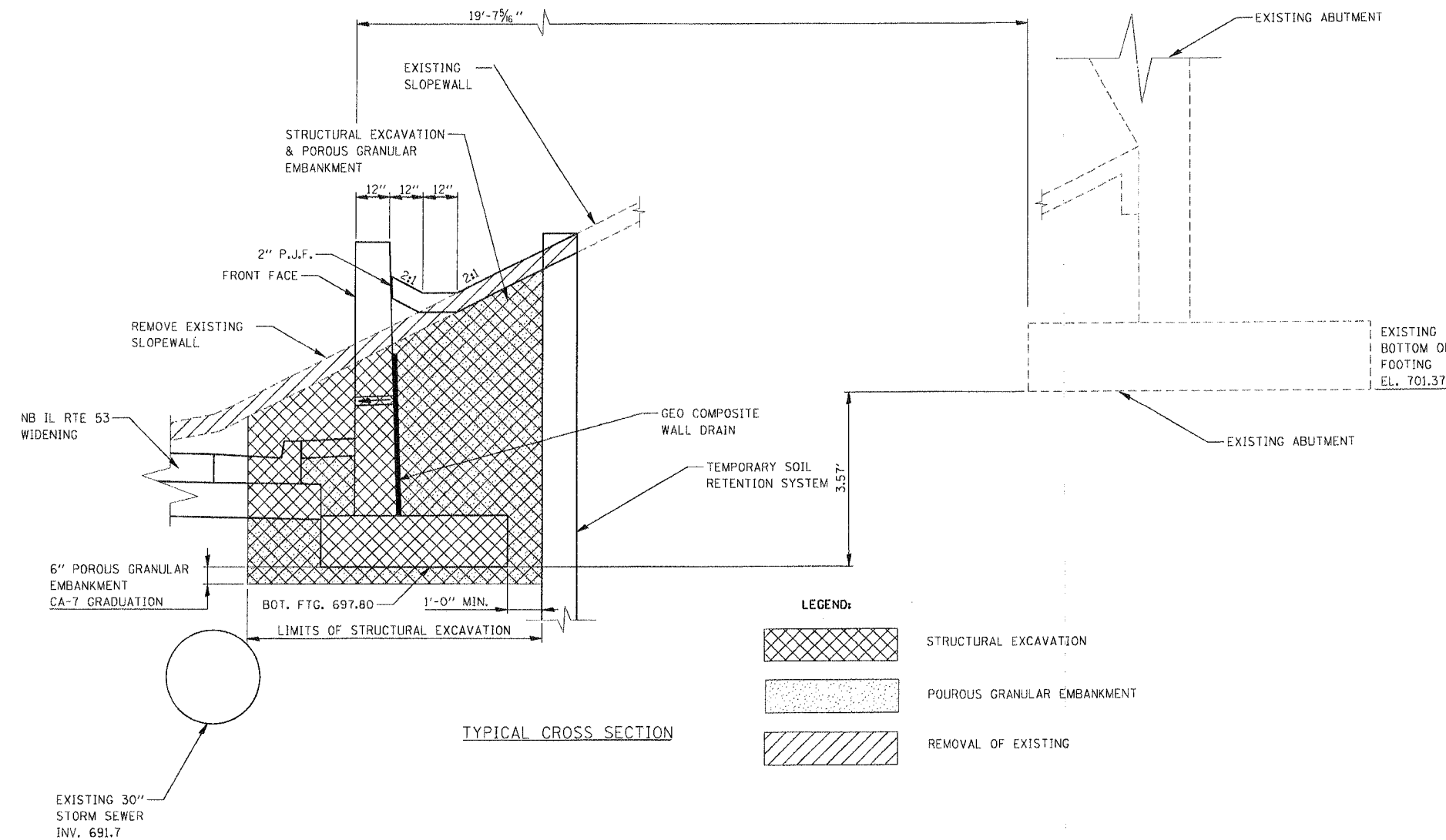
SCALE: N.T.S.
DATE: 11/8/2004

DRAWN BY: R1
CHECKED BY: R1

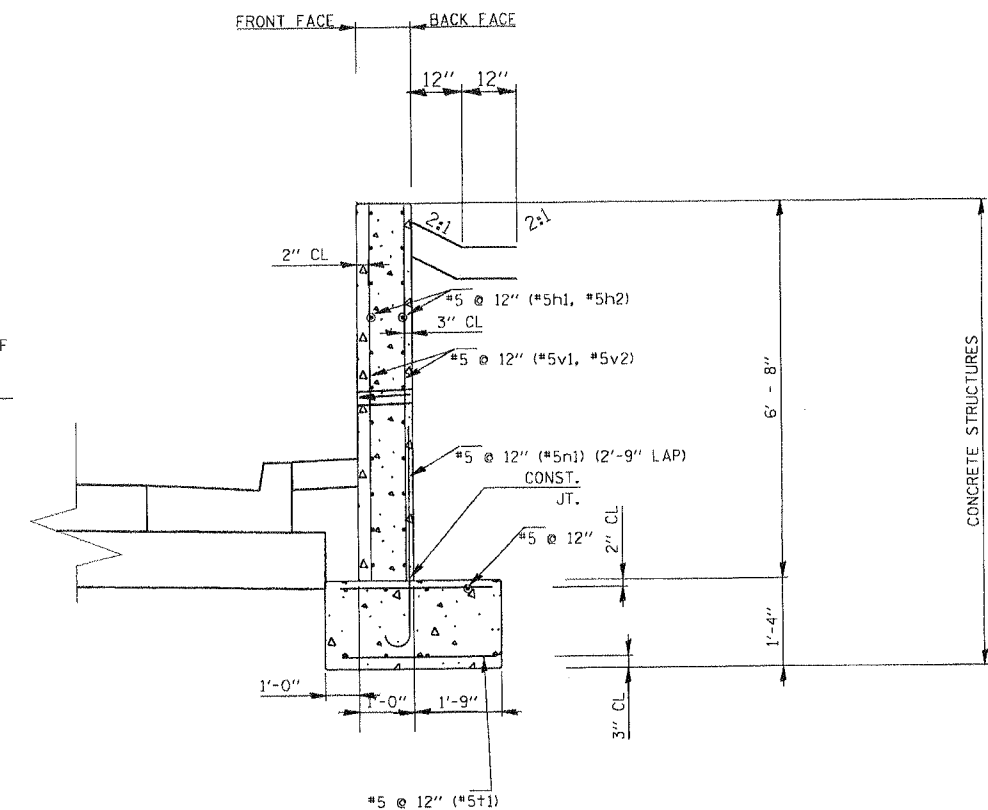
DMJM ■ ■ HARRIS
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

OCTOBER, 2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	150
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62389				



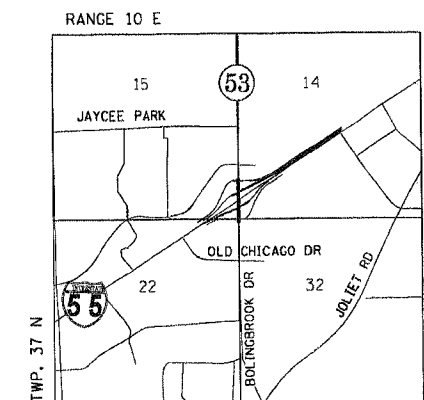
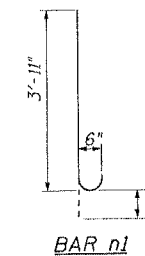
LEGEND:	
	STRUCTURAL EXCAVATION
	POUROS GRANULAR EMBANKMENT
	REMOVAL OF EXISTING



RETAINING WALL STA.221+57 TO STA. 222+85.45 FRONTAGE ROAD

ALLOWABLE SOIL BEARING PRESSURE: 5.2 KSF
MAXIMUM APPLIED BEARING PRESSURE: 2.1 KSF

BAR SCHEDULE					
BAR	No.	SIZE	LENGTH	SHAPE	LOCATION
h1	12	#5	29'-9"	—	Panel 1
h2	60	#5	24'-9"	—	Panels 2-6
v1	60	#5	6'-6"	—	Panel 1
v2	250	#5	6'-6"	—	Panels 2-6
n1	130	#5	4'-7"	—	Laps
t1	312	#5	3'-6"	—	Top & Bot. of Footing
w1	6	#5	30'-9"	—	Panel 1 Footing
w2	30	#5	24'-9"	—	Panels 2-6 footing
exp bolt	45	1" Dia.			



LOCATION SKETCH
STR-06

* NOTE 1:

THE CONTRACTOR SHALL DETERMINE IN THE FIELD THE ACTUAL LENGTH OF THE REINFORCEMENT BAR NEEDED AND CUT THE REINFORCEMENT TO THE NECESSARY LENGTH. AFTER CUTTING REINFORCEMENT BAR, THE CONTRACTOR SHALL CLEAN AND PAINT (IN ACCORDANCE WITH ARTICLE 508.07) REINFORCEMENT BAR ENDS WITH EPOXY PAINT TO SUFFICIENTLY COVER BAR ENDS. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS WORK AND SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR REINFORCEMENT BARS, EPOXY COATED.

DMJM HARRIS
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

REVISIONS	
NAME	DATE

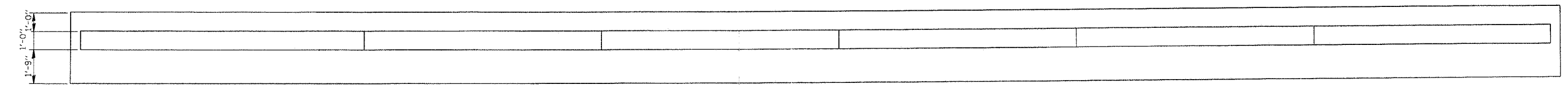
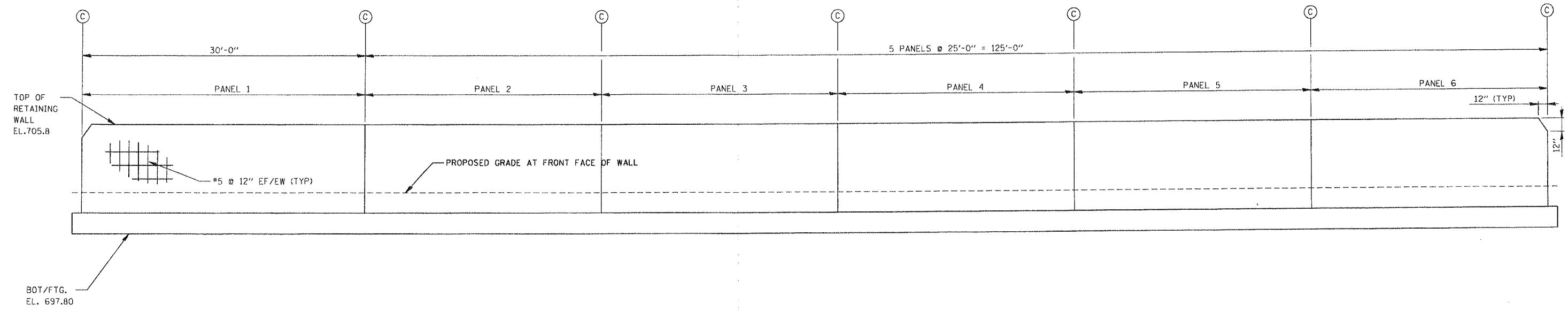
ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 53 RETAINING WALL
STA 1460+45 TO STA 1462+00

SCALE: N.T.S.
DATE: 11/8/2004

DRAWN BY: RI
CHECKED BY: RI

OCTOBER, 2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	151
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62389				



PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	

STR-07

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 53
RETAINING WALL

SCALE: N.T.S.
DATE: 11/8/2004

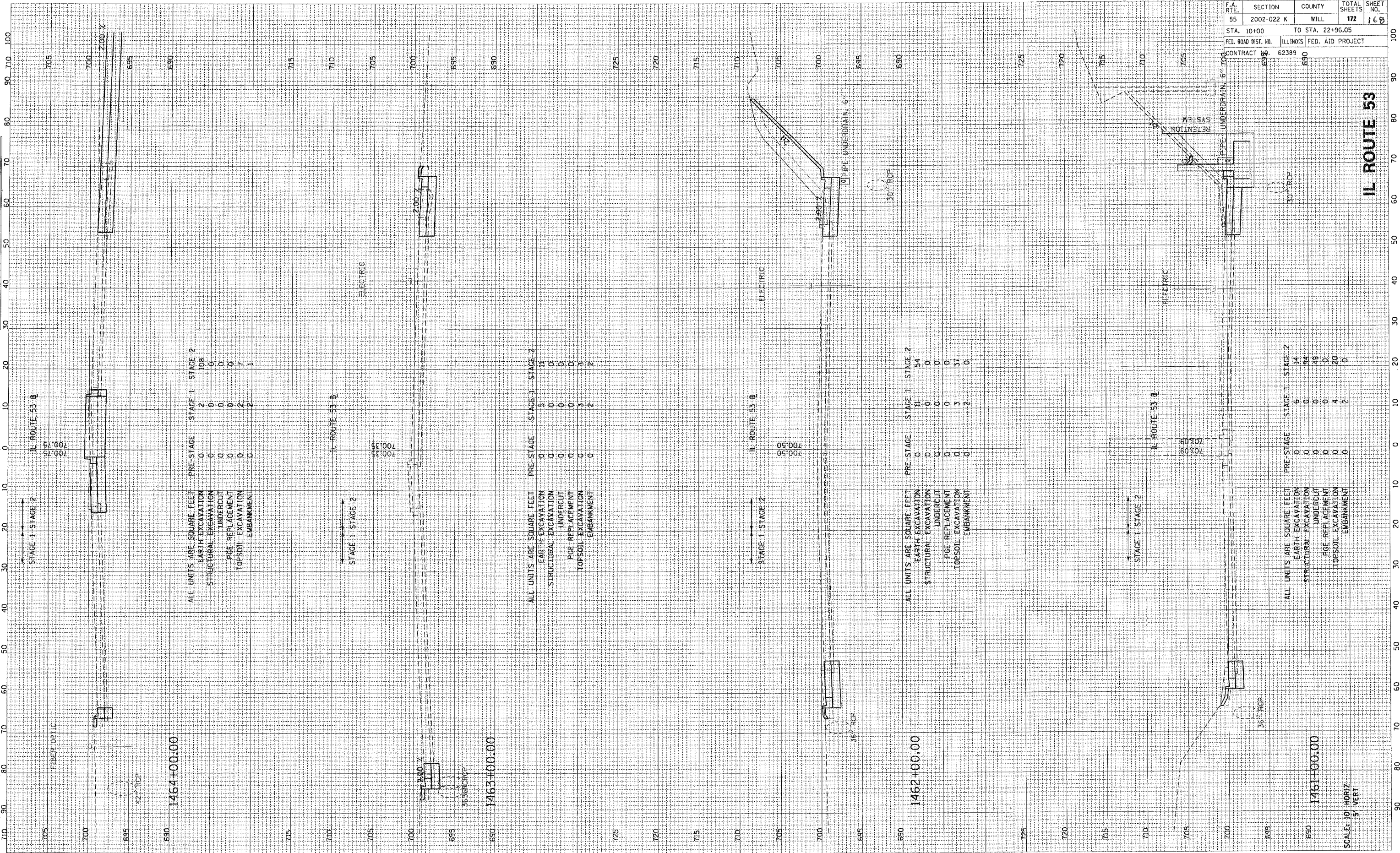
DRAWN BY: RI
CHECKED BY: RI

DMJM HARRIS
303 East Wacker Drive, Suite 600
Chicago, Illinois, 60601 Phone: 312.321.6101 Fax: 312.396.2392

OCTOBER, 2004

DATE	BY	DATE
SURVEYED	SURVEY	BY
PLOTTED	PLOTTED	DATE
NOTE BOOK	NOTE BOOK	DATE
AREAS	AREAS	DATE
DECKED	DECKED	DATE

DATE	BY	DATE
SURVEYED	SURVEY	BY
PLOTTED	PLOTTED	DATE
NOTE BOOK	NOTE BOOK	DATE
AREAS	AREAS	DATE
DECKED	DECKED	DATE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	168
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILL. NO. 62389	FED. AID PROJECT	
CONTRACT		62389	690	

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Partial payment of the each amount bid for temporary access, of the type specified, will be paid according to the following schedule:

- a) Upon construction of the temporary access, sixty percent of the contract unit price per each, of the type constructed, will be paid.
- b) Subject to the approval of the Engineer for the adequate maintenance and removal of the temporary access, the remaining forty percent of the pay item will be paid upon the permanent removal of the temporary access."

4020211

STRUCTURE EXCAVATION

Description: This work shall consist of the excavation required for the construction of all new structures including all bailing, draining, and pumping; and the disposal of all material obtained from such excavation in accordance with Section 502 of the Standard Specifications, and as directed by the Engineer, except as amended herein.

Backfill is not included with this work. Backfilling will be completed as a separate pay item in accordance with Section 205, Embankment or Section 207, Porous Granular Embankment of the Standard Specifications.

Structure Excavation shall also include removal and disposal of miscellaneous items appurtenant to the excavation including but not limited to drainage system components and other conduits buried in the soil. Existing asbestos cement conduits, meta conduits, electrical wires, hand holes, etc. to be abandoned shall be removed as part of this work item. Electrical conduits shall be do-energized prior to removal.

The Contractor shall take all necessary precautions in removing, handling, transporting and subsequent disposal of all materials removed containing asbestos. All such work shall be performed in conformance with all governing laws, codes, ordinances r other regulations.

Microfilm prints of drawings may also be requested by the Contractor by sending his/her written request to the Chief of Bureau of Maintenance, Illinois Department of Transportation - District One, 201 West Center Court, Schaumburg, Illinois 60196. The Contractor shall make an appointment with at least 48 hours notice to view or retrieve available microfilm drawings of the existing roadways and structures. The corn of these plans is not guaranteed and no responsibility is assumed by the Department for their accuracy. Information is furnished for whatever value may be derived by the Contractor, and is to be used solely at the Contractor's risk.

Construction Requirements

Where new structures are to be constructed at the same location as existing structures, the porous granular embankment backfill shall be placed after construction of new structure or as necessary to sequence the construction of work as shown by the plans

All removed materials containing asbestos shall be stockpiled separately from other removed materials. All stockpiled materials containing asbestos shall be hauled to an approved landfill disposal site. These materials shall be wetted down and covered with an approved wetting material while stockpiled and being hauled away in trucks to prevent debris or dust from entering into the atmosphere.

Method of Measurement Structure Excavation will be measured for payment in cubic yards according to Article 502.14 of the Standard Specifications.

Basis of Payment: This item will be paid for at a contract unit price per cubic yard for STRUCTURE EXCAVATION according to Article 502.15 and as detailed in the plans, described herein and as directed by the Engineer.

Backfilling will be paid for separately in accordance with Section 207 of the Standard Specifications for POROUS GRANULAR EMBANKMENT.

(CTE — 02/20/2004)

SLEEPER SLAB

Description: This work consists of constructing a sleeper slab (reinforced concrete grade beam) at the locations shown on the plans or as directed by the Engineer. This work shall be performed in accordance with the applicable portions of Section 420 of the Standard Specifications, the details in the plans and as herein specified.

Materials: Concrete shall be Class SI meeting the requirements of Section 1020.

Reinforcement bars shall be Grade 60 meeting the requirements of Section 1006.10.

Method of Measurement: This work will be measured in feet along the expansion joint. Reinforcement bars, polyethylene bond breaker and preformed joint filler will not be paid for separately, but will be included in the unit price for the sleeper slab. Excavation, except excavation in rock, will be paid as Earth Excavation.

Basis of Payment: This work will be paid for at the contract unit price per foot for SLEEPER SLAB, which price will be payment in full for all materials, labor, tools, equipment and incidentals necessary to complete the work as specified.

RUSTICATION FINISH FOR RETAINING WALLS

Effective: May 1, 1990 Revised: February 19, 2034

Description: This work consists of providing the forms, materials and rusticated finish on retaining walls, in accordance with the details shown in the plans and the Special Provisions

Materials: Materials shall conform to Article 503.02; of the Standard Specification and includes the following:

The coarse aggregate to be used in the concrete for the rustication finish shall conform to the requirements for coarse aggregate in concrete superstructure.

Construction Requirements

Forms shall be constructed so that the completed concrete structures conform to the shape, lines and dimensions of the members as shown on the plans. Forms shall be properly braced or tied together to maintain position and shape. Forms shall be made sufficiently tight to prevent leakage of mortar.

Formliners shall be used to obtain the rustication finish on the retaining walls. Formwork shall have the strength and stability to ensure finished concrete dimensions within the tolerances specified herein. The quality of the formwork shall be maintained throughout the entire project.

Variations in dimensions for the wall sections with a rustication finish shall be within the following tolerances: the width and depth of rustication joints shall be within 3 mm (1/8 inch) \pm , the location of the rustication joints shall be within 13mm (1/2 inch)-i-, the maximum variation of a joint from a straight line shall be 6mm (1/4 inch) \pm in 3 meters (10 feet)

The Contractor shall submit proposed construction procedures for the rustication finish on the outside face of retaining walls. The Contractors method of obtaining the surface texture spec on the plans shall be subject to approval by the Engineer.

Upon approval of the construction procedures by the Engineer, the Contractor shall pour a 9 m (30 feet) long test section of retaining wall at a location directed by the Engineer. After removal of the formwork, the Engineer will examine the test section of tie wall and instruct the Contractor if the rustication finish is acceptable or if future wall sections need further modifications. If necessary, the Contractor shall pour additional test sections of wall at locations designated by the Engineer until a wall section meets with the Engineers approval. The rustication finish of all subsequently installed wall sections shall match the approved test section. The Contractor shall repair all deviations from the approved rustication finish to the satisfaction of the Engineer at no additional cost to the contract.

The Contractor shall notify the Engineer at least 40 hours prior to placing concrete. Concrete shall not be placed until the Engineer has inspected the formwork and the placement of reinforcing bars for compliance with the plans.

Method of Measurement: Rustication finish will be measured in plan and the area computed in square meters (square feet). The dimensions used to compute the area of rustication will be the dimensions indicated on the plans or directed by the Engineer of the outline of the plane area. Measurement will not be made on the actual surface area of rustication finish.

Basis of Payment: This work will be paid for at the contract unit price per square meter (square foot) for RUSTICATION FINISH, which price includes all work as specified herein.

TEMPORARY SOIL RETENTION SYSTEM

Effective: December 30, 2002

Description This work shall consist of designing, furnishing, installing, adjusting for stage construction when required and subsequent removal of the temporary soil retention system according to the dimensions and details shown on the plans and in the approved design submittal.

General The temporary soil retention system shall be designed by the Contractor as a minimum, to retain the exposed surface area specified in the plans or as directed by the Engineer.

The design calculations and details for the temporary soil retention system proposed by the Contractor shall be submitted to the Engineer for approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer. This approval will not relieve the Contractor of responsibility for the safety of the excavation. Approval shall be contingent upon acceptance by all involved utilities and/or railroads.

Construction The Contractor shall verify locations of all underground utilities before installing any of the soil retention system components or commencing any excavation. Any disturbance or damage to existing structures, utilities or other property, caused by the Contractor's operation, shall be repaired by the Contractor in a manner satisfactory to the Engineer at no additional cost to the Department. The soil retention system shall be installed according to the Contractor's approved design, or as directed by the Engineer, prior to commencing any related excavation. If unable to install the temporary soil retention system as specified in the approved design, the Contractor shall have the adequacy of the design re-evaluated. Any reevaluation shall be submitted to the Engineer for approval prior to commencing The excavation adjacent to the area in question. The Contractor shall not excavate below the maximum excavation line shown in the approved design without the prior permission of the Engineer. The temporary soil retention system shall remain in place until the Engineer determines it is no longer required.

The temporary soil retention system shall be removed and disposed of by the Contractor when directed by the Engineer. When allowed, the Contractor may elect to cut off a portion of the temporary soil retention system leaving the remainder in place. The remaining temporary soil retention system shall be removed to a depth which will not interfere with the new construction, and as a minimum, to a depth of 300mm (12 in.) below the finished grade, or as directed by the Engineer. Removed system components shall become the property of the Contractor.

When an obstruction is encountered, the Contractor shall notify the Engineer and upon concurrence of the Engineer, the Contractor shall begin working to break up, push aside, or remove the obstruction. An obstruction shall be defined as any object (such as but not limited to, boulders, logs, old foundations etc.) where its presence was not obvious or specifically noted on the plans prior to bidding, that cannot be driven or installed through or around, with normal driving or installation procedures, but requires additional excavation or other procedures to remove or miss the obstruction.

Method of Measurement The temporary soil retention system furnished and installed according to the Contractor's approved design or as directed by the Engineer will be measured for payment in place in square meters (square feet). The area measured shall be the vertical exposed surface area envelope of the excavation supported by temporary soil retention system.

Any temporary soil retention system cut off, left in place, or installed beyond those dimensions shown on the contract plans or the approved contractors design without the written permission of the Engineer, shall not be measured for payment but shall be done at the contractor's own expense.

Basis of Payment This work will be paid for at the contract unit price per square meter (square foot) for TEMPORARY SOIL RETENTION SYSTEM.

Payment for any excavation, related solely to the installation and removal of the temporary soil retention system and/or its components, shall not be paid for separately but shall be included in the unit bid price for TEMPORARY SOIL RETENTION SYSTEM. Other excavation, performed in conjunction with this work, will not be included in this item but shall be paid for as specified elsewhere in this contract.

Obstruction mitigation shall be paid for according to Article - 09.04 of the Standard Specifications.

TEXTURIZED CONCRETE WALL

Description: This work shall consist of constructing a cast in place texturized concrete wall in accordance with the plan details, at the location shown on the plans, in accordance with Sections 503 and 508 of the Standard Specifications, except as modified herein. This item shall apply to both single faced and double faced texturized concrete wall.

The wall shall be constructed of Class SI concrete. The dimensions of the wall, texturizing specifications, and reinforcement requirements are indicated in the plan details.

Method of Measurement: TEXTURIZED CONCRETE WALL will be measured for payment in place in meters along the top of the wall.

Basis of Payment: This work will be paid for at the contract unit price per meter for TEXTURIZED CONCRETE WALL, which price shall include payment for excavation, formwork, reinforcement bars, concrete, furnishing and installing all required joints, and backfill as required to perform the work as specified herein.

BACKFILLING STORM SEWER UNDER ROADWAY

Effective: September 30, 1985 Revised: July 2, 1994

For storm sewer constructed under the roadway, backfilling methods two and three authorized under the provisions of Article 550.07 will not be allowed.