LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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.

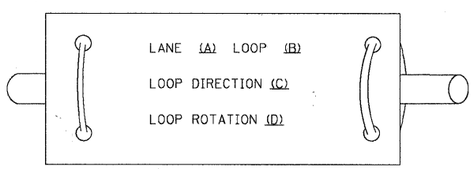
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES 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.

LOOP LEAD-IN CABLE TAG

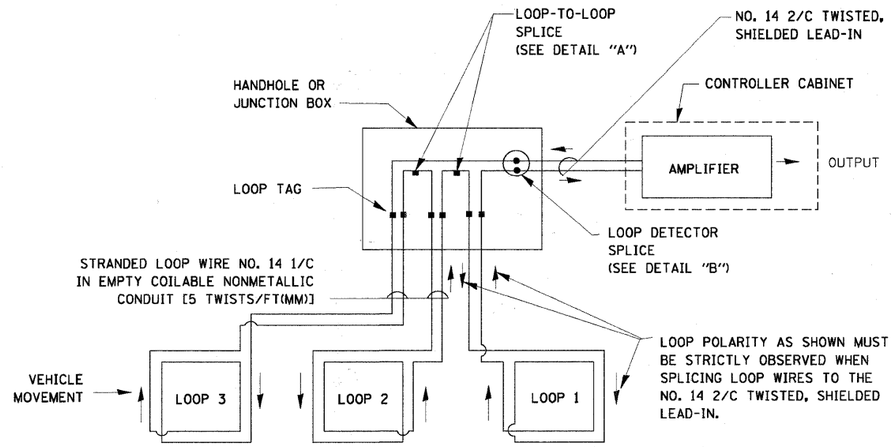


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

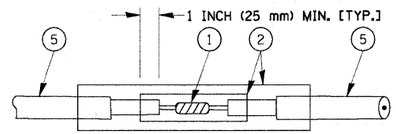
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

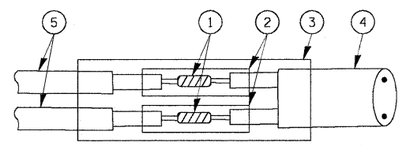


DETECTOR LOOP WIRING SCHEMATIC

- 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.

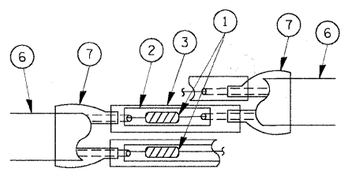


DETAIL "A"
LOOP-TO-LOOP SPLICE



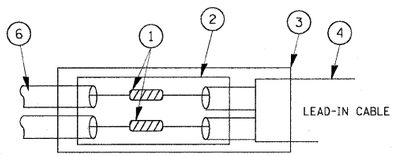
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAD	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

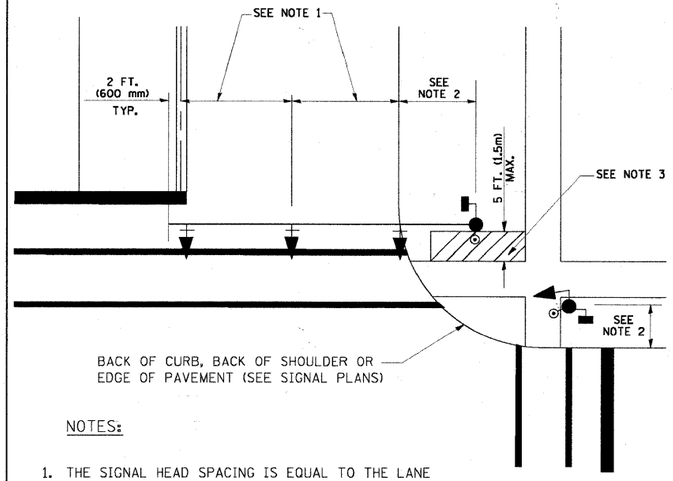
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	101
	TS-05	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

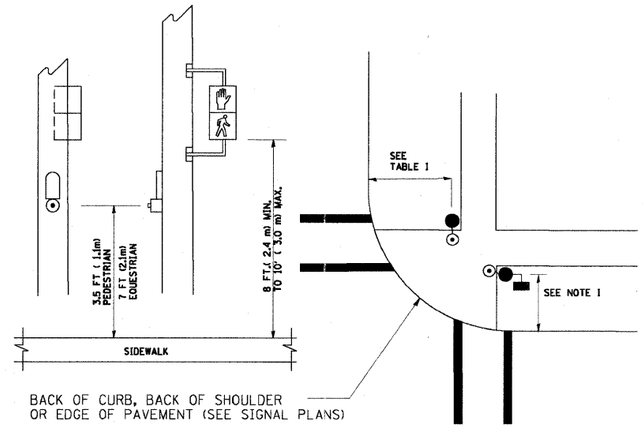
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

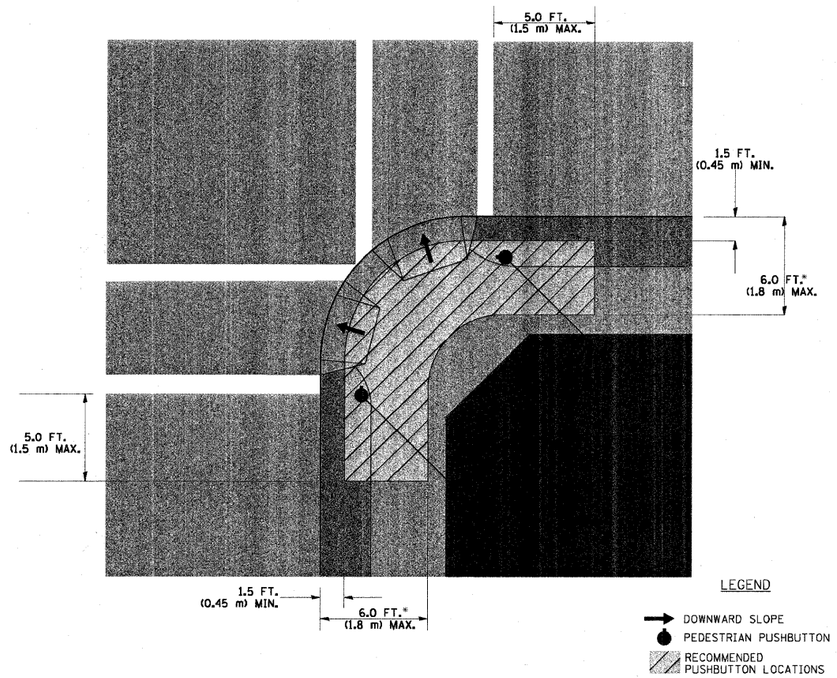
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

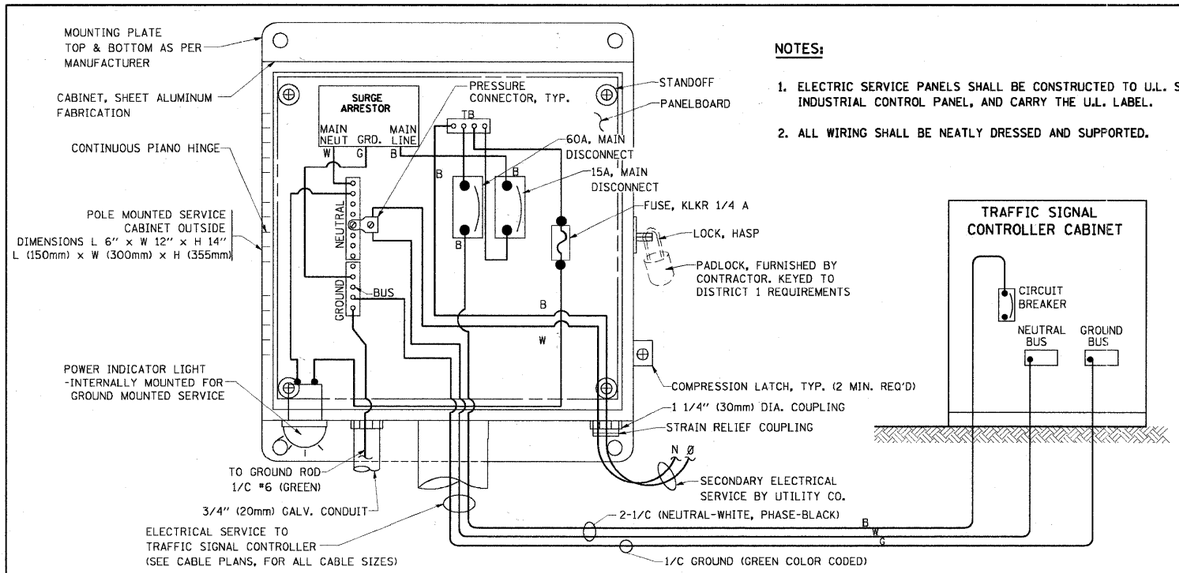
FILE NAME = c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAD	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

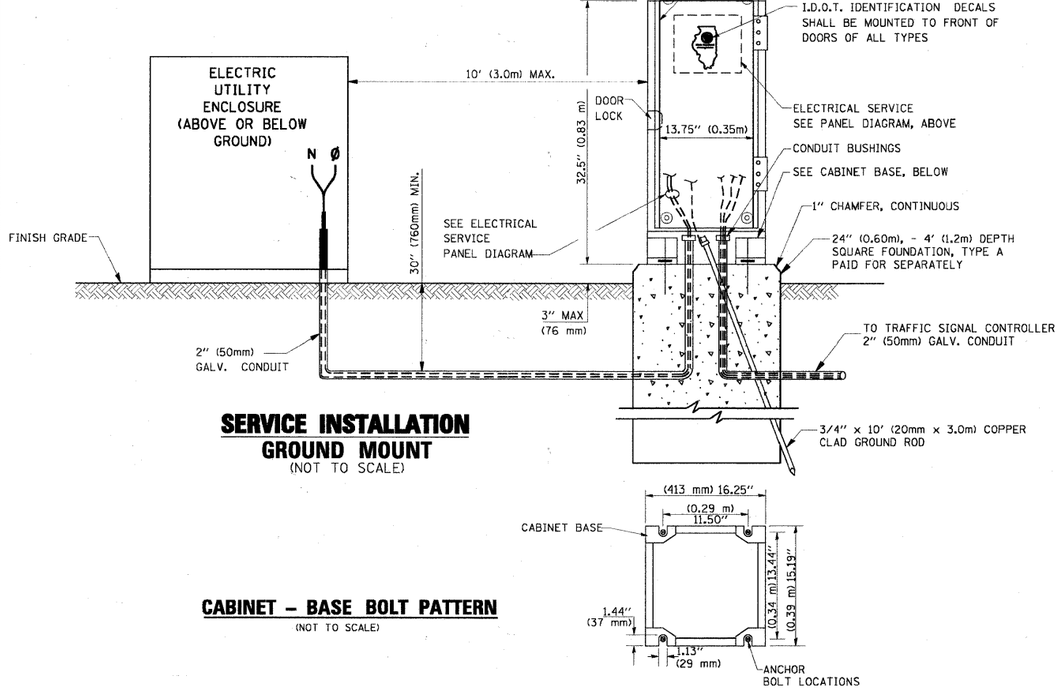
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	102
	TS-05	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

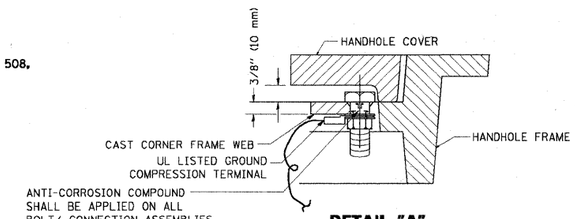


SERVICE INSTALLATION GROUND MOUNT

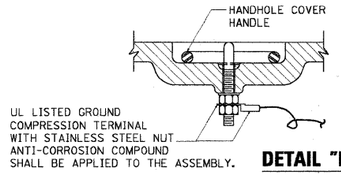
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

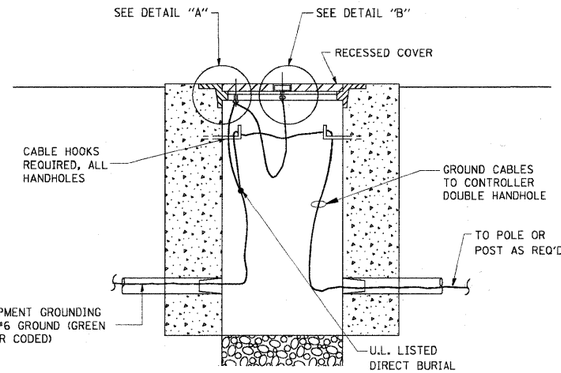


DETAIL "B"

NOTES:

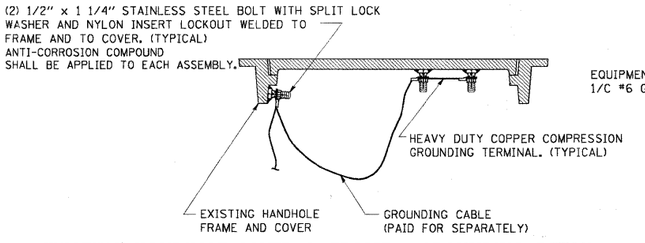
GROUNDING SYSTEM

1. 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.
2. 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.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



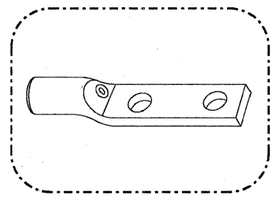
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

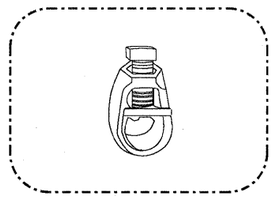


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



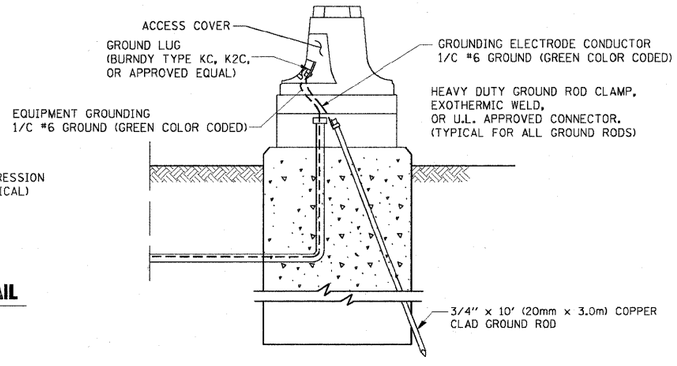
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

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.



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

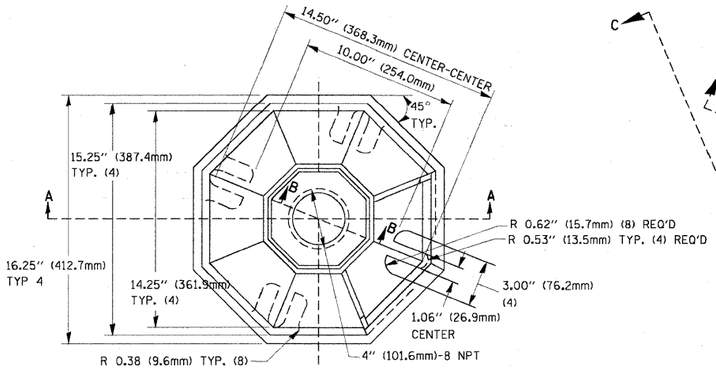
FILE NAME = c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAD	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

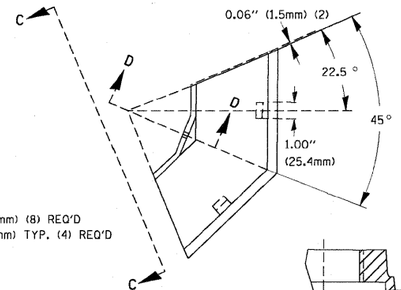
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

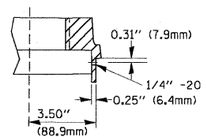
SCALE: NONE | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	103
	TS-05	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

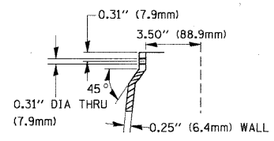


TOP VIEW

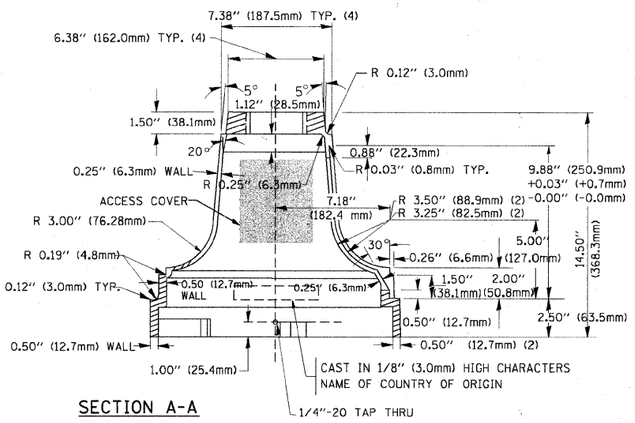




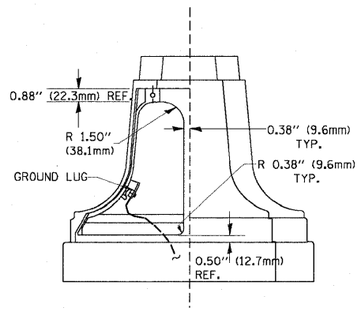
SECTION B-B



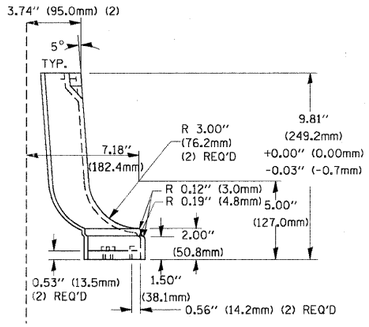
SECTION D-D



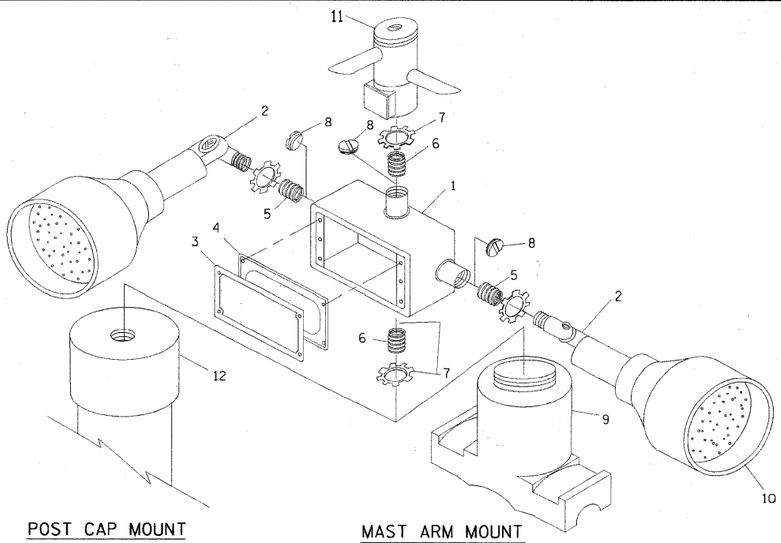
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



POST CAP MOUNT

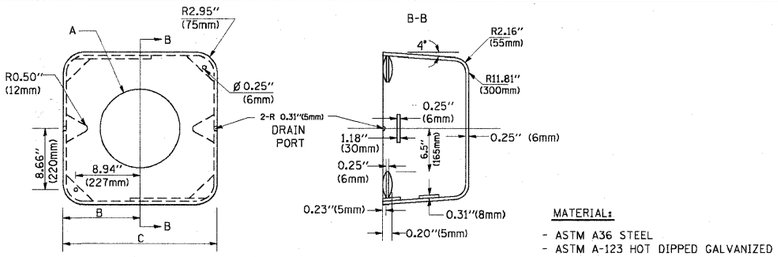
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. 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.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

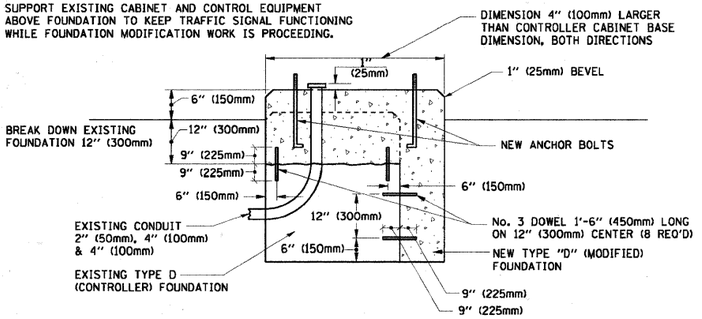
A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

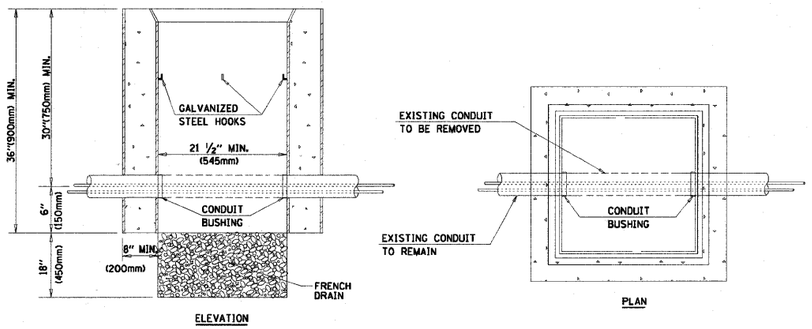
NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

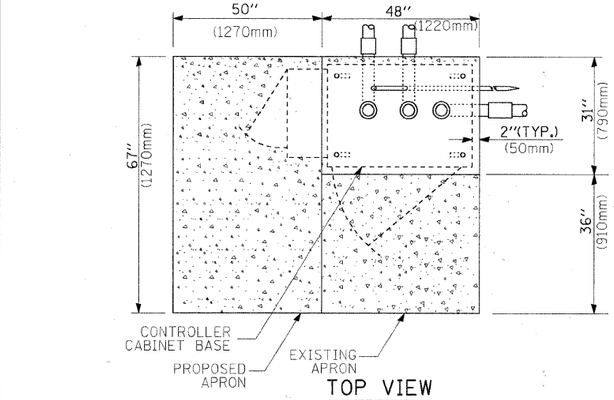
FILE NAME = c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAD	REVISED -	
		DRAWN - BCK	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -	
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -	

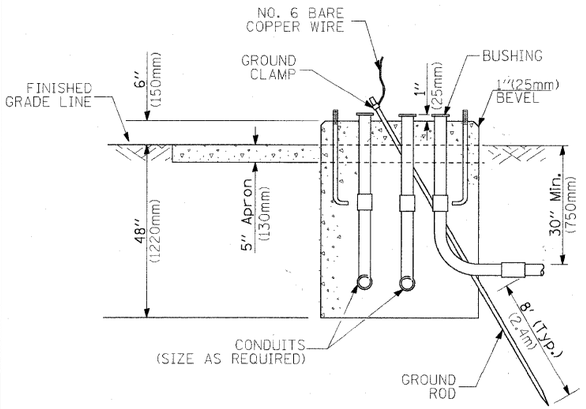
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

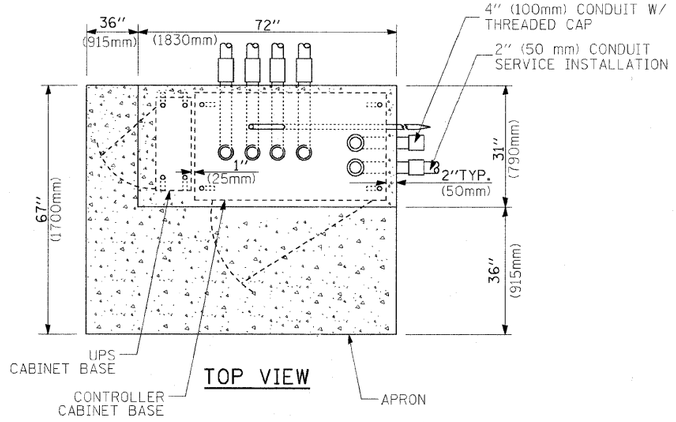
SCALE: NONE | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

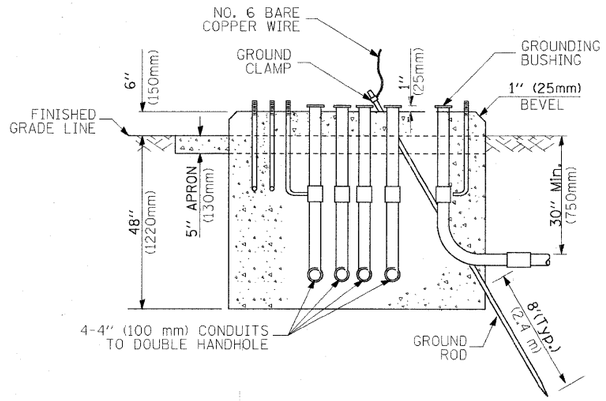
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	104
	TS-05	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



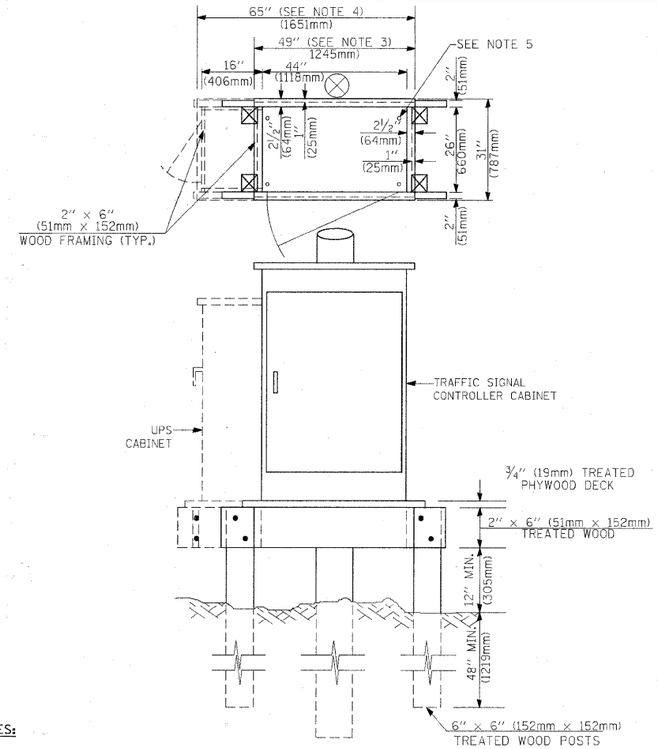


TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET





TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME = c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05.dgn	USER NAME = bauerdl	DESIGNED - DAC	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	105
	TS-05	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QTY	75TH ST AND DUNHAM RD	75TH ST AND LEMONT RD	75TH ST AND LYMAN AVE	TEMPORARY INTERCONNECT	INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	105	30	60	15	-	-
SERVICE INSTALLATION - POLE MOUNTED	EACH	2	1	1	-	-	-
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	7,533	610	1,181	224	-	5,518
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	37	37	-	-	-	-
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	299	107	192	-	-	-
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	356	144	180	32	-	-
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2,299	224	246	76	-	1,753
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1,163	288	719	156	-	-
HANDHOLE	EACH	30	5	13	2	-	10
DOUBLE HANDHOLE	EACH	4	2	2	-	-	-
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	4,718	2,208	2,510	-	-	-
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	8,225	898	1,553	256	-	5,518
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8	4	4	-	-	-
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1	-	-	-	-
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	-	1	-	-	-
MASTER CONTROLLER	EACH	1	-	1	-	-	-
UNINTERRUPTIBLE POWER SUPPLY	EACH	2	1	1	-	-	-
TRANSCEIVER - FIBER OPTIC	EACH	3	1	1	1	-	-
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	16,166	-	-	-	-	16,166
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	15,974	-	-	-	-	15974
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,463	1,527	1,936	-	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4,635	1,879	2,756	-	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8,742	3,641	5,101	-	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,998	861	2,137	-	-	-
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	17,033	5,739	11,294	-	-	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	56	28	28	-	-	-
TRAFFIC SIGNAL POST, 14 FT.	EACH	2	2	-	-	-	-
TRAFFIC SIGNAL POST, 16 FT.	EACH	2	2	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2	-	2	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	-	1	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	-	1	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2	2	-	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	2	-	2	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	2	-	2	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1	1	-	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1	1	-	-	-	-
CONCRETE FOUNDATION, TYPE A	FOOT	16	16	-	-	-	-
CONCRETE FOUNDATION, TYPE C	FOOT	8	4	4	-	-	-
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	70	30	40	-	-	-
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60	-	60	-	-	-
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46	46	-	-	-	-
DRILL EXISTING HANDHOLE	EACH	8	-	-	-	4	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	28	10	18	-	-	-
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6	6	-	-	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8	2	6	-	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	2	2	-	-	-
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	6	8	-	-	-
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	1	-	-	-	-
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	32	12	20	-	-	-
DETECTOR LOOP, TYPE I	FOOT	2,841	1083	1386	117	-	255
LIGHT DETECTOR	EACH	8	4	4	-	-	-
LIGHT DETECTOR AMPLIFIER	EACH	2	1	1	-	-	-
PEDESTRIAN PUSH-BUTTON	EACH	16	8	8	-		
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1	-	-	-
TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1	-	-	1	-	-
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	1	1	1	-	-
REMOVE EXISTING HANDHOLE	EACH	24	9	12	3	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	22	11	8	3	-	-
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,116	352	764	-	-	-
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2	1	1	-	-	-
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	12	1	1	1	9	-

FILE NAME = f:\451-830 75th st dupage dot\engineering\drawings\451-830-sht-ta-500.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL
SUMMARY OF QUANTITY

SCALE: NONE | SHEET NO. 106 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	106
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

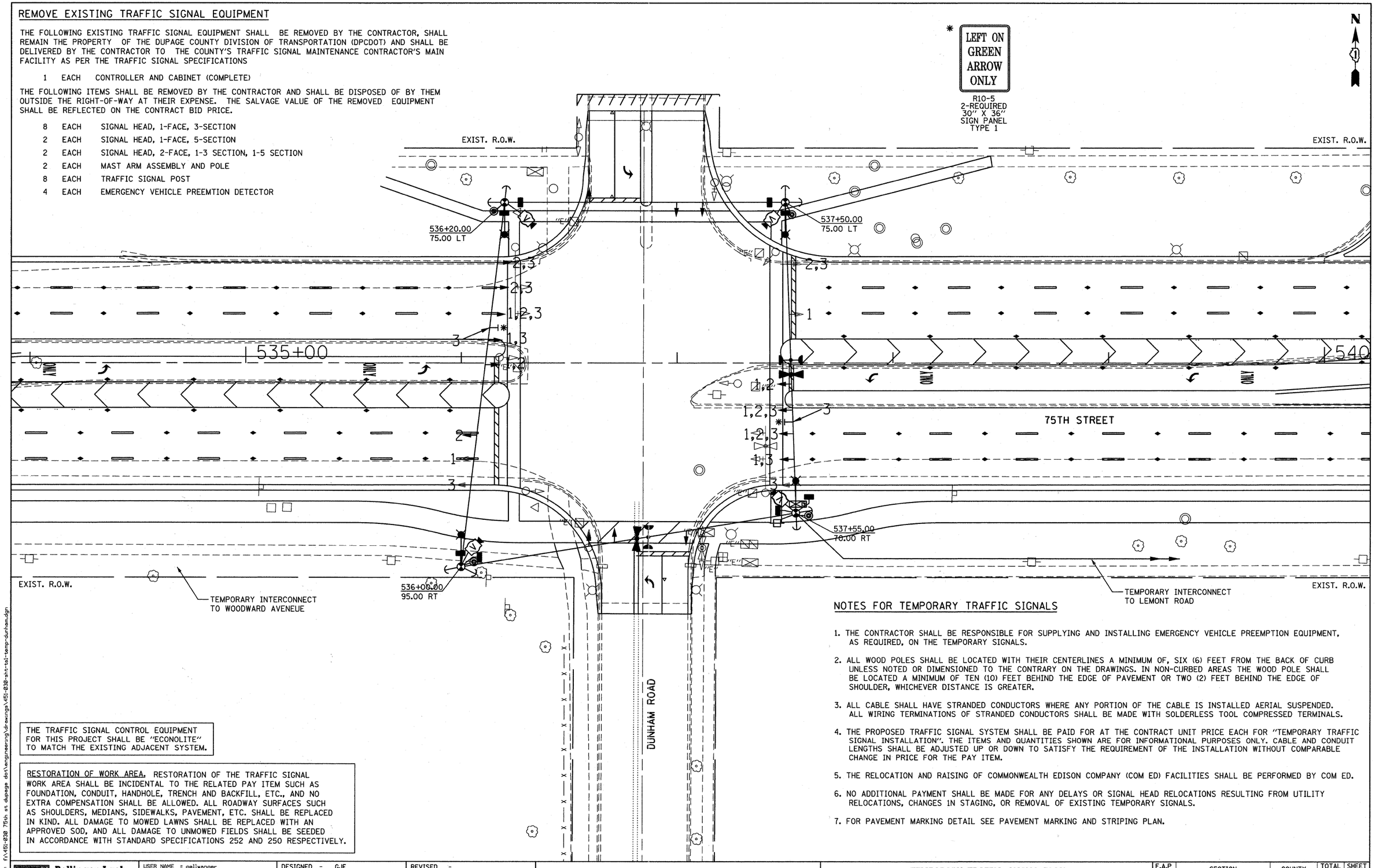
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION (DPCDOT) AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS

1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED ON THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
2	EACH	MAST ARM ASSEMBLY AND POLE
8	EACH	TRAFFIC SIGNAL POST
4	EACH	EMERGENCY VEHICLE PREEMTION DETECTOR



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT, AS REQUIRED, ON THE TEMPORARY SIGNALS.
2. ALL WOOD POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF, SIX (6) FEET FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE WOOD POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
3. ALL CABLE SHALL HAVE STRANDED CONDUCTORS WHERE ANY PORTION OF THE CABLE IS INSTALLED AERIAL SUSPENDED. ALL WIRING TERMINATIONS OF STRANDED CONDUCTORS SHALL BE MADE WITH SOLDERLESS TOOL COMPRESSED TERMINALS.
4. THE PROPOSED TRAFFIC SIGNAL SYSTEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CABLE AND CONDUIT LENGTHS SHALL BE ADJUSTED UP OR DOWN TO SATISFY THE REQUIREMENT OF THE INSTALLATION WITHOUT COMPARABLE CHANGE IN PRICE FOR THE PAY ITEM.
5. THE RELOCATION AND RAISING OF COMMONWEALTH EDISON COMPANY (COM ED) FACILITIES SHALL BE PERFORMED BY COM ED.
6. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, OR REMOVAL OF EXISTING TEMPORARY SIGNALS.
7. FOR PAVEMENT MARKING DETAIL SEE PAVEMENT MARKING AND STRIPING PLAN.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-str-tsl-temp-dunham.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

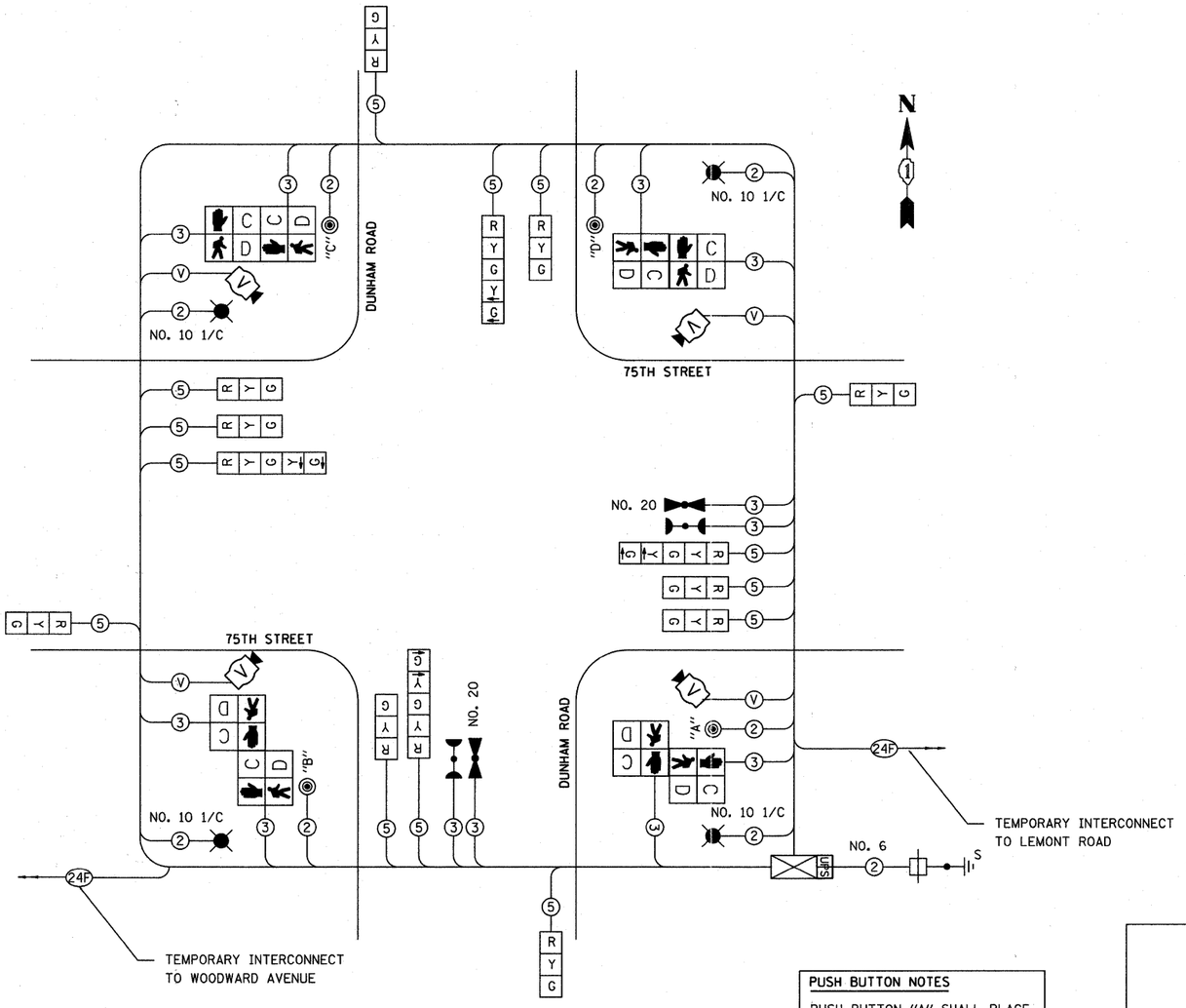
USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
75TH STREET AT DUNHAM ROAD

SCALE: 1"=20' | SHEET NO. 107 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	107
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE PLAN FOR STAGES 1 & 2

NOT TO SCALE

DPCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE INCAND	LED	X % OPERATION	
SIGNAL (RED)	14		10	60	84
(YELLOW)	14		22	3	9.24
(GREEN)	14		12	37	62.16
SIGNAL (RED ARROW)	-		10	85	-
(YELLOW ARROW)	4		22	2	1.76
(GREEN ARROW)	4		12	13	7.2
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1825.56

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PUSH BUTTON NOTES

PUSH BUTTON "A" SHALL PLACE A CALL TO PHASE 2 AND 8.

PUSH BUTTON "B" SHALL PLACE A CALL TO PHASE 2 AND 4.

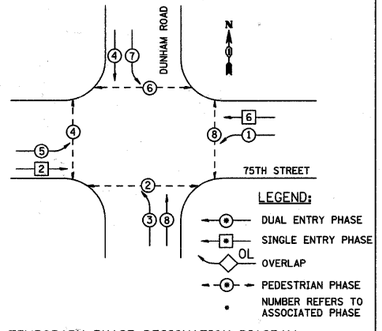
PUSH BUTTON "C" SHALL PLACE A CALL TO PHASE 4 AND 6

PUSH BUTTON "D" SHALL PLACE A CALL TO PHASE 6 AND 8

NOTES FOR TEMPORARY TRAFFIC SIGNALS

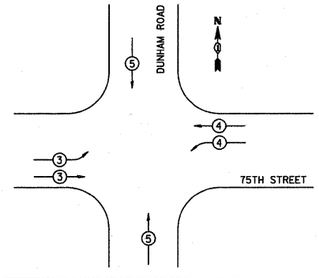
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIES BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATED HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-ant-ts2-temp-cable-dunham.dgn

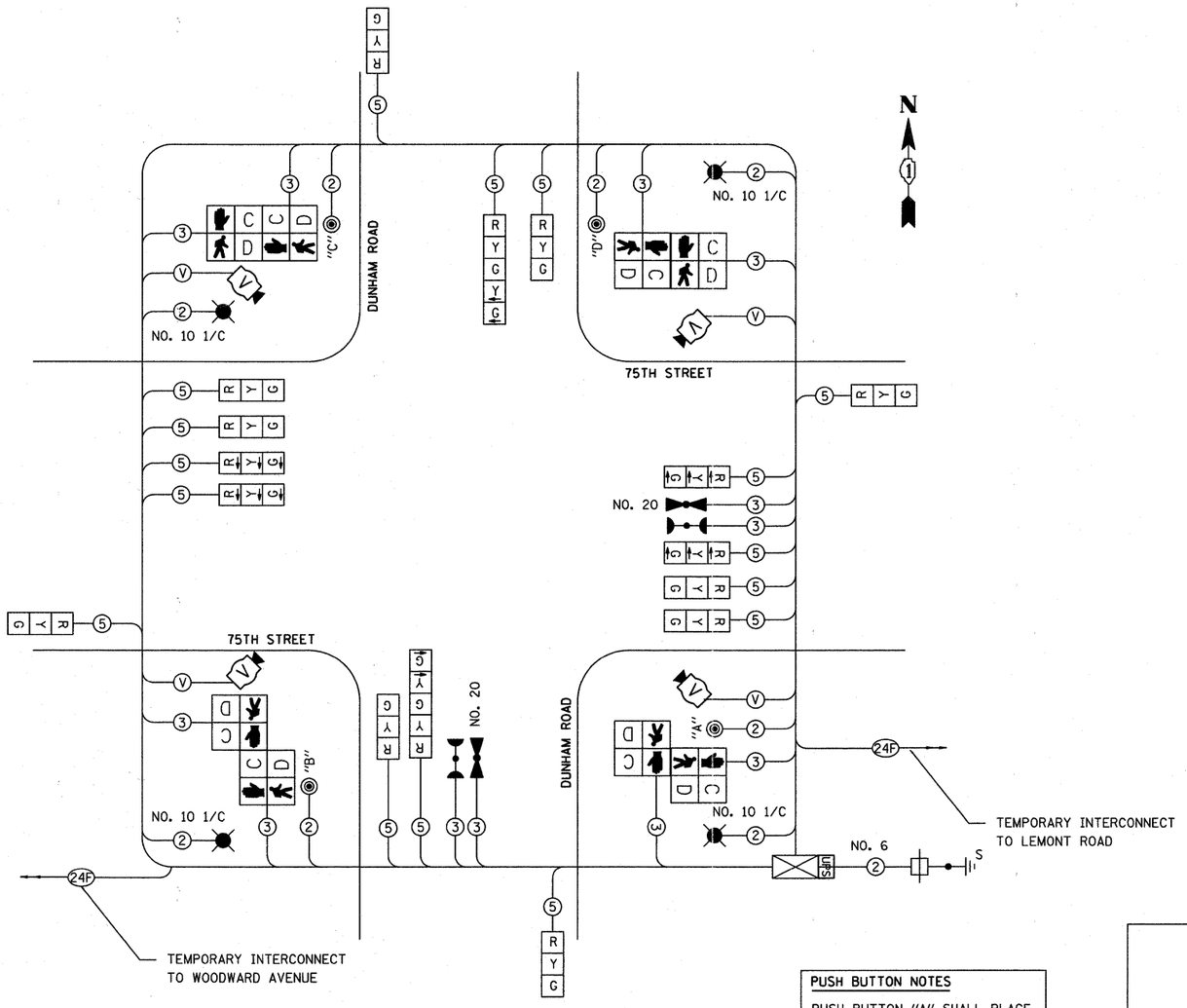
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gallwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
75TH STREET AT DUNHAM ROAD

SCALE: NONE | SHEET NO. 108 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	108
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



TEMPORARY CABLE PLAN FOR STAGE 3

NOT TO SCALE

DPCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE INCAND	LED	X % OPERATION	
SIGNAL (RED)	12		10	60	72
(YELLOW)	12		22	3	7.92
(GREEN)	12		12	37	53.28
SIGNAL (RED ARROW)	2		10	85	17
(YELLOW ARROW)	4		22	2	1.76
(GREEN ARROW)	4		12	13	7.2
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1810.36

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PUSH BUTTON NOTES

PUSH BUTTON "A" SHALL PLACE A CALL TO PHASE 2 AND 8.

PUSH BUTTON "B" SHALL PLACE A CALL TO PHASE 2 AND 4.

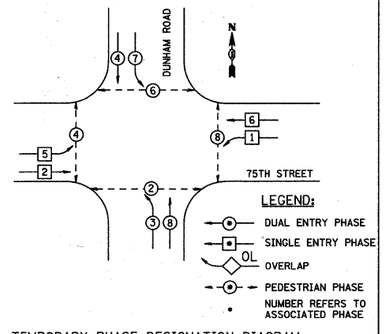
PUSH BUTTON "C" SHALL PLACE A CALL TO PHASE 4 AND 6

PUSH BUTTON "D" SHALL PLACE A CALL TO PHASE 6 AND 8

NOTES FOR TEMPORARY TRAFFIC SIGNALS

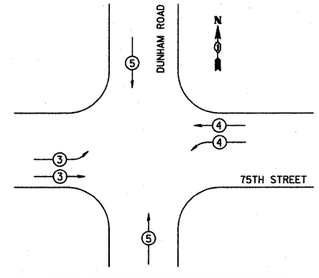
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIES BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATED HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

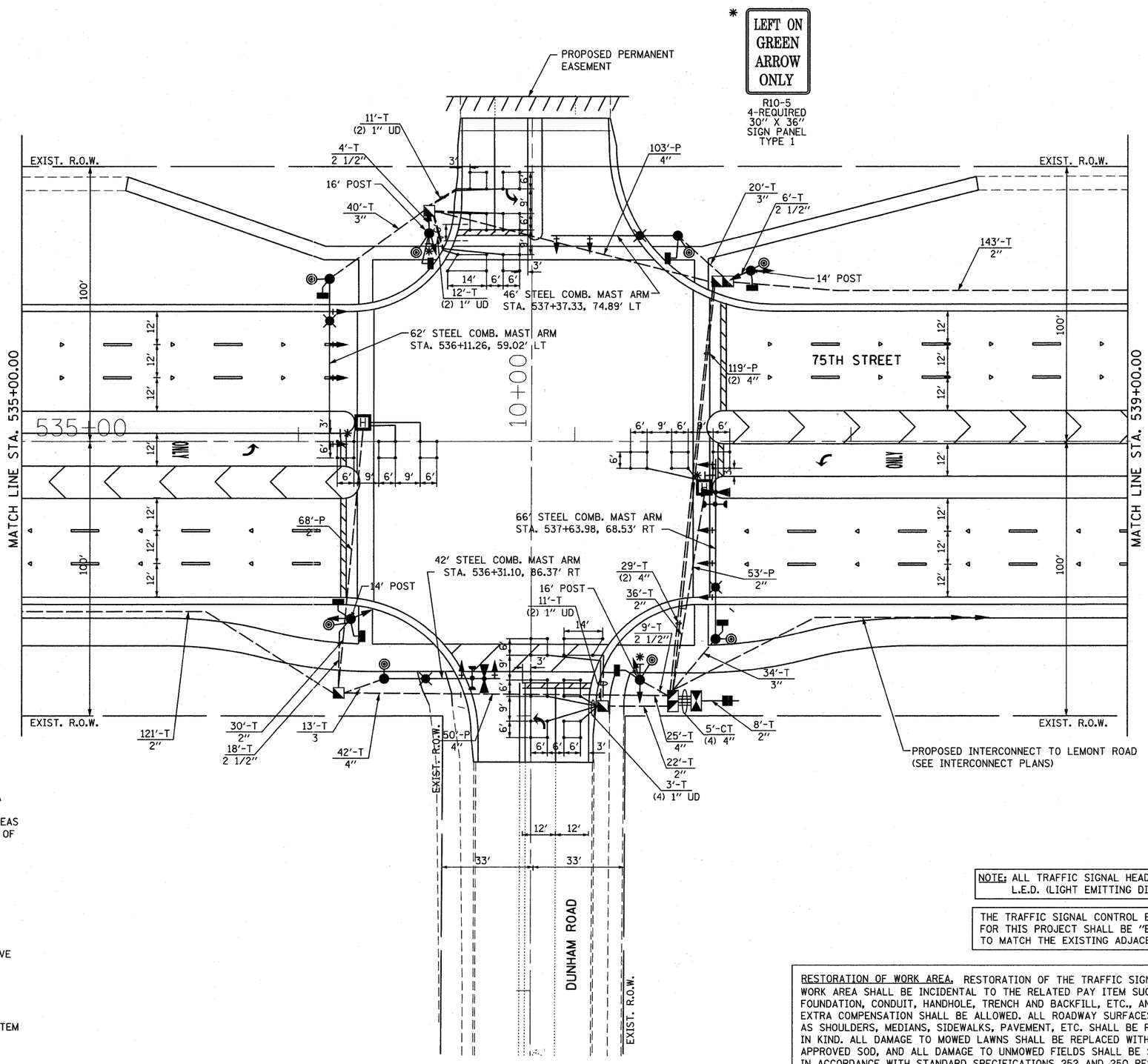


TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-ts2.1-temp-cable-dunham.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE 75TH STREET AT DUNHAM ROAD
		DRAWN - DC	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -		SCALE: NONE | SHEET NO. 109OF 198 SHEETS | STA. | TO STA.
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	109
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



TRAFFIC SIGNAL NOTES

1. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.

2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL FREE NUMBER 1-800-892-0123.

3. ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.

4. THE CONTRACTOR SHALL CONTACT THE DU PAGE COUNTY DIVISION OF TRANSPORTATION (630/407-6900) FOR TRAFFIC SIGNAL CABLE LOCATION, A MINIMUM OF 48 HOURS IN ADVANCE (SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED) AT ANY LOCATION WITHIN THE RIGHT-OF-WAY.

5. CONTACT THE DU PAGE COUNTY TRAFFIC SIGNAL COORDINATOR (630/407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL FOUNDATIONS AND SIGNAL HEADS.

6. LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4" DEEP INTO THE PAVEMENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT.

7. ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.

8. ALL LUMINAIE ARMS SHALL BE 15 FEET UNLESS OTHERWHISE NOTED.

NOTE: ALL TRAFFIC SIGNAL HEADS SHALL BE L.E.D. (LIGHT EMITTING DIODE).

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

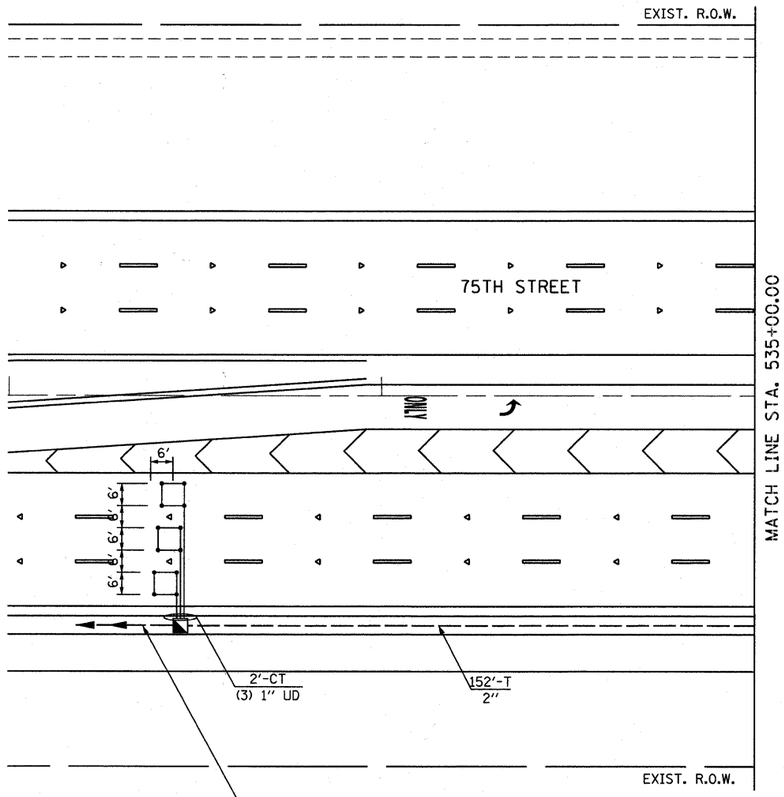
FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-ahts-ta3a.dgn

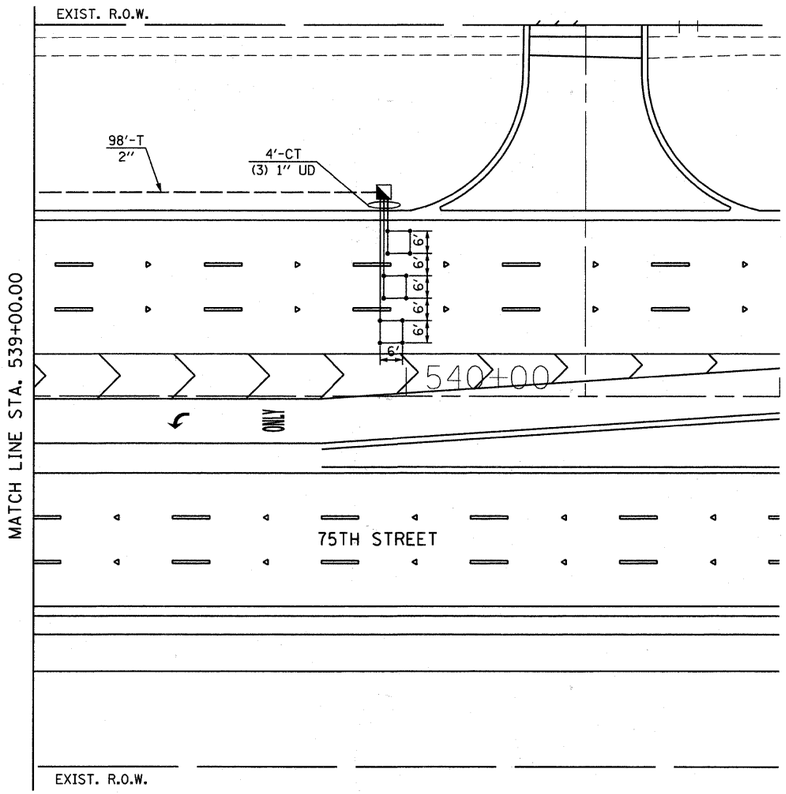
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gallwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - DC	REVISED -	
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -	
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

TRAFFIC SIGNAL INSTALLATION PLAN
75TH STREET @ DUNHAM ROAD

SCALE: 1"=20' | SHEET NO. 110 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	110
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



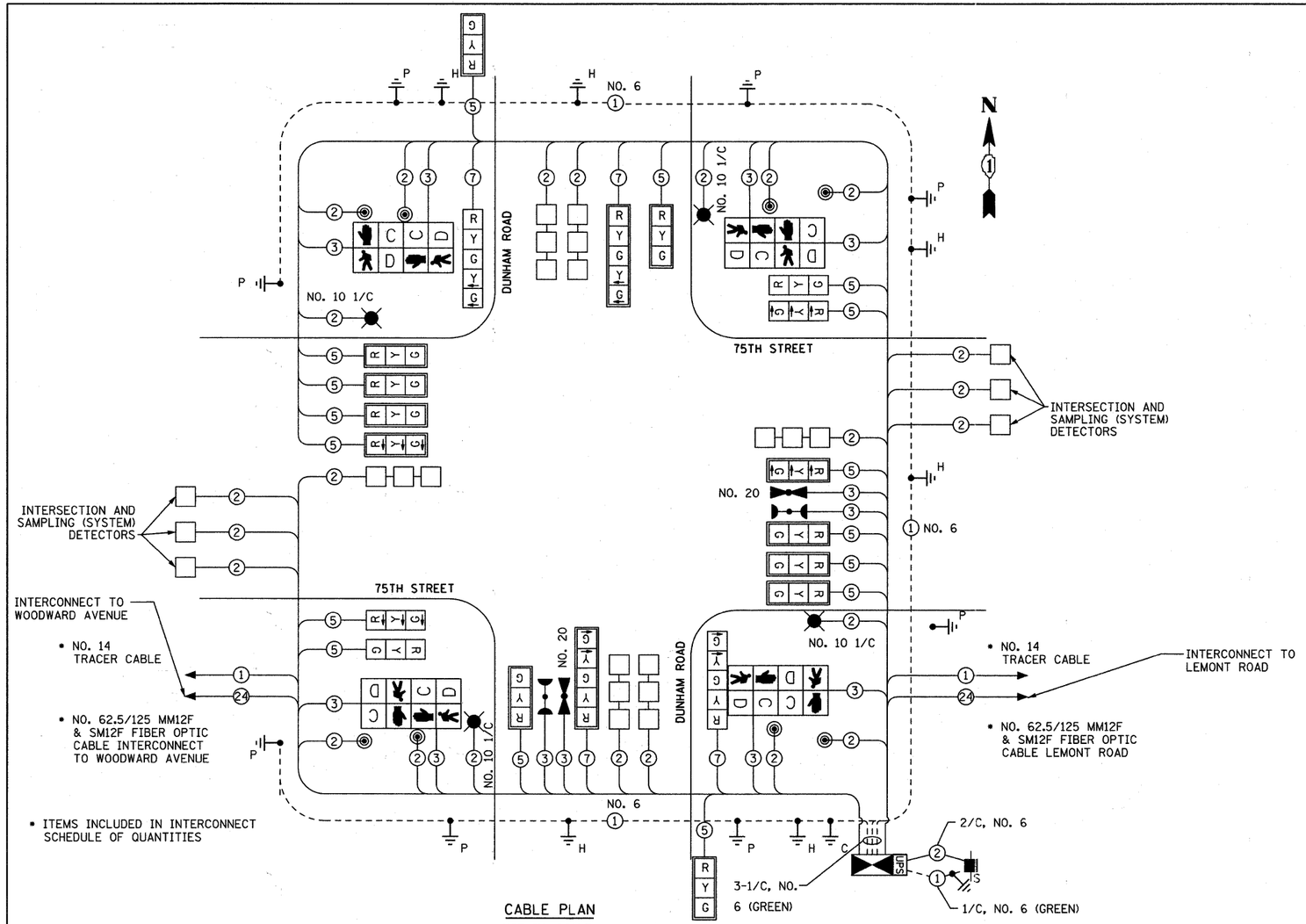


N

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-ts3b.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN 75TH STREET @ DUNHAM ROAD
		DRAWN - DC	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -		SCALE: 1"=20' | SHEET NO. 111 OF 198 SHEETS | STA. | TO STA.
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	111
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



CABLE PLAN

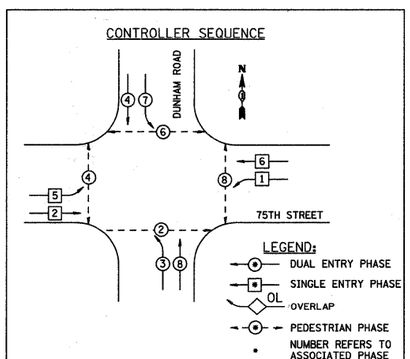
NOT TO SCALE

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

SCHEDULE OF QUANTITIES

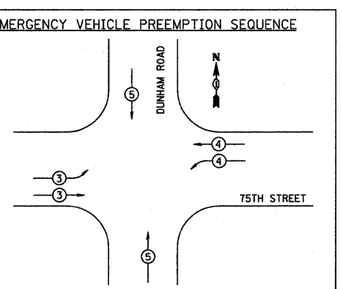
ITEM	UNIT	QTY
SIGN PANEL - TYPE 1	SQ FT	30
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	610
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	37
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	107
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	144
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	224
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	288
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	2,208
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	898
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,527
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,879
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3641
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	861
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,739
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	28
TRAFFIC SIGNAL POST, 14 FT.	EACH	2
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1083
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	352
RE-OPTIMIZE TRAFFIC SINAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

DPCDOT
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	X WATTAGE INCAND	WATTAGE LED	X % OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16		10	60	96
(YELLOW)	16		22	3	10.56
(GREEN)	16		12	37	71.04
SIGNAL (RED ARROW)	4		10	85	34
(YELLOW ARROW)	8		22	2	3.52
(GREEN ARROW)	8		12	13	14.4
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1890.72

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-ts4.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
75TH STREET @ DUNHAM ROAD

SCALE: NONE | SHEET NO. 112 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	112
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

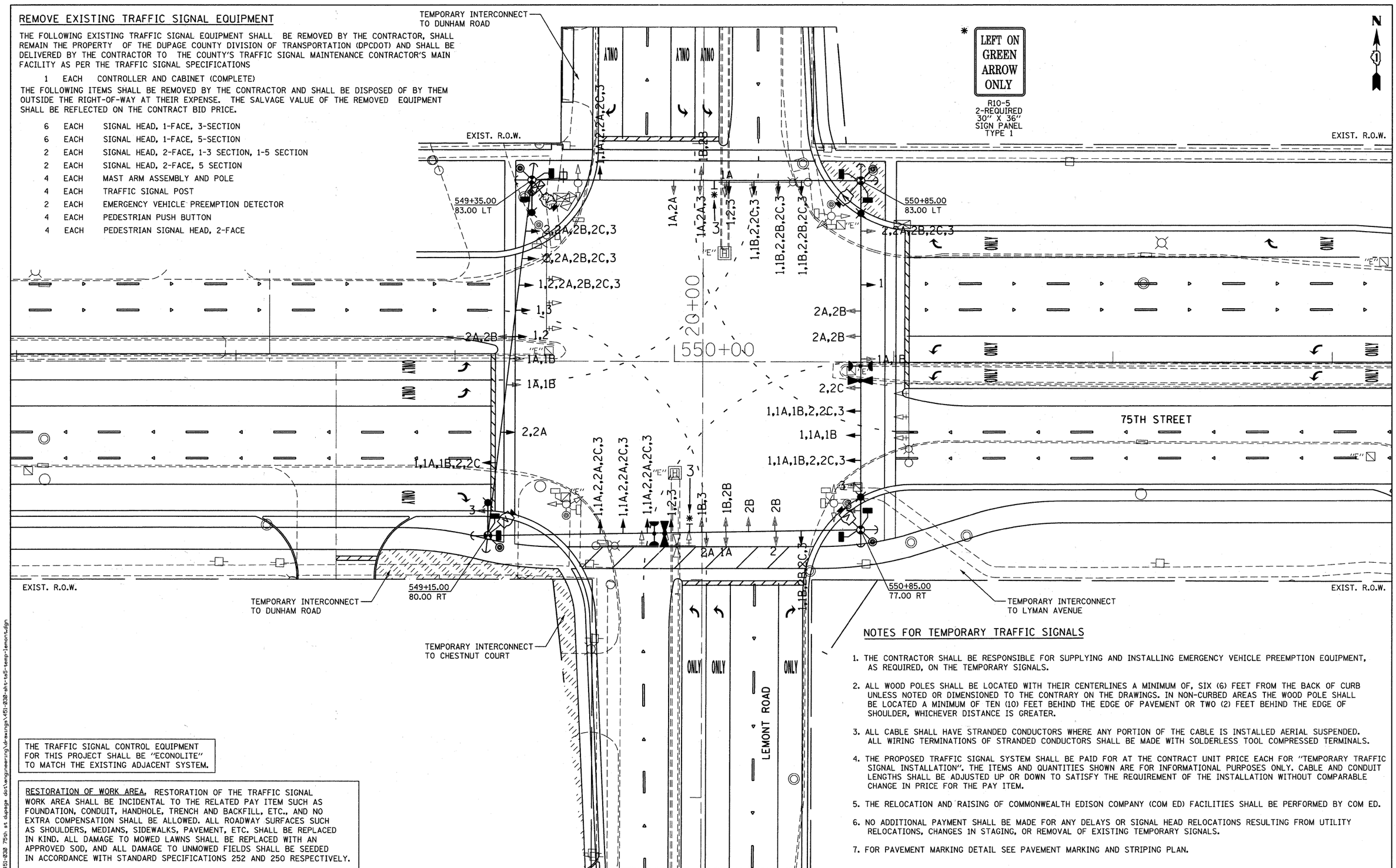
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRANSPORTATION (DPCDOT) AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS

1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED ON THE CONTRACT BID PRICE.

6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
6	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
2	EACH	SIGNAL HEAD, 2-FACE, 5 SECTION
4	EACH	MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
2	EACH	EMERGENCY VEHICLE PREEMPTION DETECTOR
4	EACH	PEDESTRIAN PUSH BUTTON
4	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT, AS REQUIRED, ON THE TEMPORARY SIGNALS.
2. ALL WOOD POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF, SIX (6) FEET FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE WOOD POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
3. ALL CABLE SHALL HAVE STRANDED CONDUCTORS WHERE ANY PORTION OF THE CABLE IS INSTALLED AERIAL SUSPENDED. ALL WIRING TERMINATIONS OF STRANDED CONDUCTORS SHALL BE MADE WITH SOLDERLESS TOOL COMPRESSED TERMINALS.
4. THE PROPOSED TRAFFIC SIGNAL SYSTEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CABLE AND CONDUIT LENGTHS SHALL BE ADJUSTED UP OR DOWN TO SATISFY THE REQUIREMENT OF THE INSTALLATION WITHOUT COMPARABLE CHANGE IN PRICE FOR THE PAY ITEM.
5. THE RELOCATION AND RAISING OF COMMONWEALTH EDISON COMPANY (COM ED) FACILITIES SHALL BE PERFORMED BY COM ED.
6. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, OR REMOVAL OF EXISTING TEMPORARY SIGNALS.
7. FOR PAVEMENT MARKING DETAIL SEE PAVEMENT MARKING AND STRIPING PLAN.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-alt-ts5-temp-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

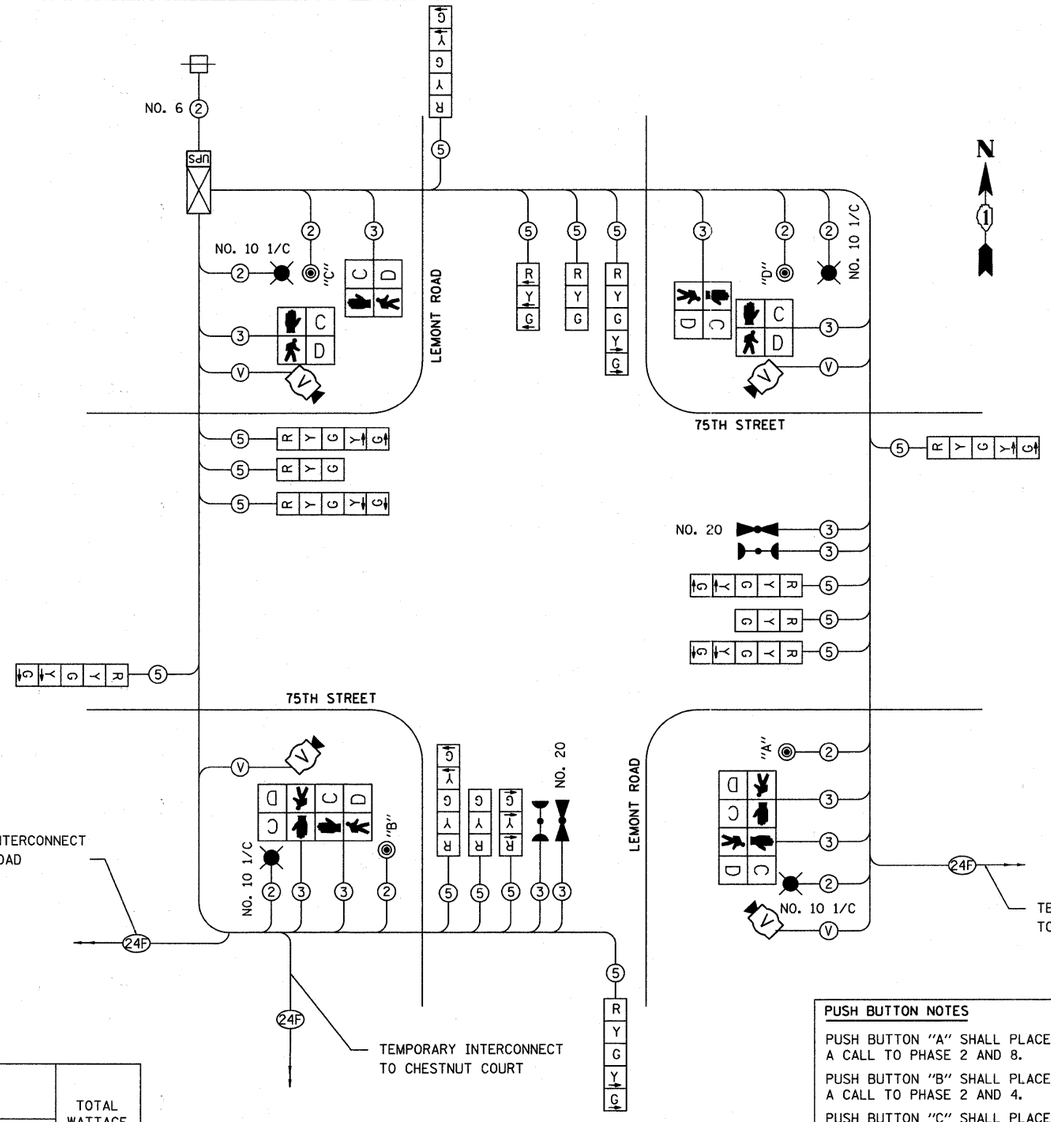
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
75TH STREET @ LEMONT ROAD

SCALE: 1"=20' | SHEET NO. 113 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	113
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE PLAN FOR STAGES 1 & 2

NOT TO SCALE

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIES BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATED HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

DPCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE INCAND	LED	X % OPERATION	
SIGNAL (RED)	14		10	60	84
(YELLOW)	14		22	3	9.24
(GREEN)	14		12	37	62.16
SIGNAL (RED ARROW)	2		10	85	17
(YELLOW ARROW)	12		22	2	5.28
(GREEN ARROW)	12		12	13	18.72
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1857.6

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PUSH BUTTON NOTES

PUSH BUTTON "A" SHALL PLACE A CALL TO PHASE 2 AND 8.

PUSH BUTTON "B" SHALL PLACE A CALL TO PHASE 2 AND 4.

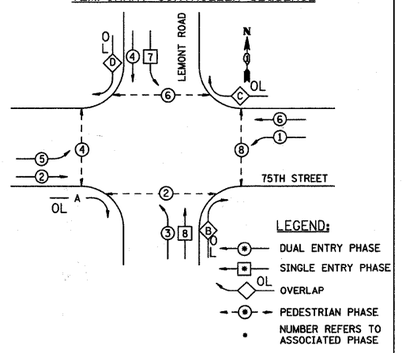
PUSH BUTTON "C" SHALL PLACE A CALL TO PHASE 4 AND 6

PUSH BUTTON "D" SHALL PLACE A CALL TO PHASE 6 AND 8

PHASE DESIGNATION DIAGRAM

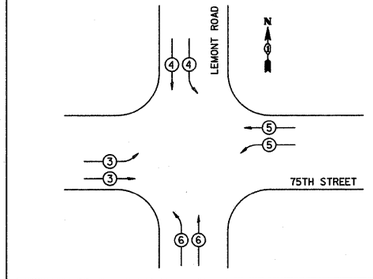
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	8	+	1
C	=	6	+	7
D	=	4	+	5

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
MOVEMENT				

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-aht-ta6-temp-cable-lemont.dgn

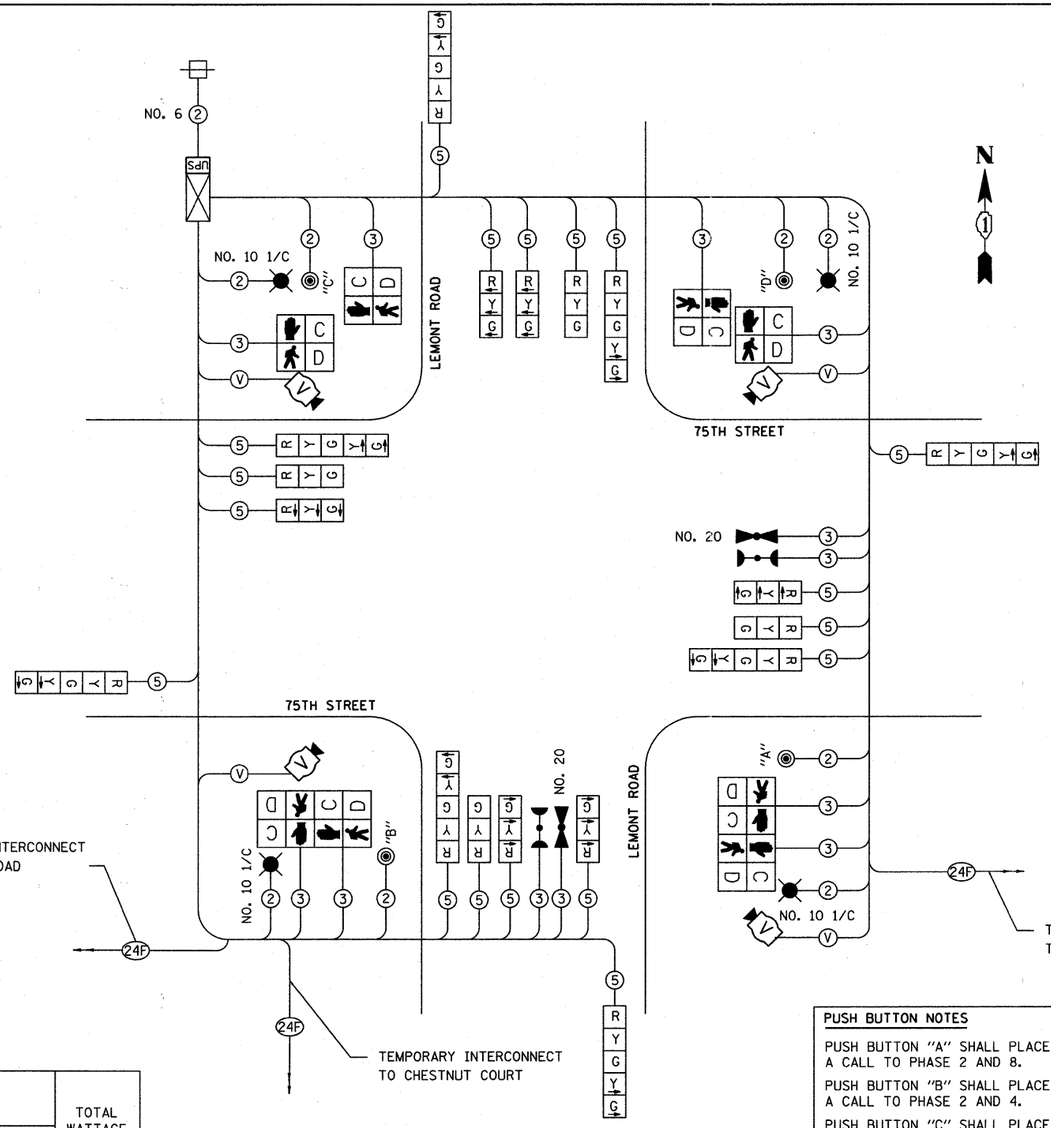
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS			
USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
75TH STREET AT LEMONT ROAD

SCALE: NONE | SHEET NO. 114 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	114
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE PLAN FOR STAGE 3

NOT TO SCALE

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIES BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATED HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

DPCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE INCAND	LED	X % OPERATION	
SIGNAL (RED)	14		10	60	84
(YELLOW)	14		22	3	9.24
(GREEN)	14		12	37	62.16
SIGNAL (RED ARROW)	4		10	85	34
(YELLOW ARROW)	14		22	2	6.16
(GREEN ARROW)	14		12	13	21.84
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1878.6

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PUSH BUTTON NOTES

PUSH BUTTON "A" SHALL PLACE A CALL TO PHASE 2 AND 8.

PUSH BUTTON "B" SHALL PLACE A CALL TO PHASE 2 AND 4.

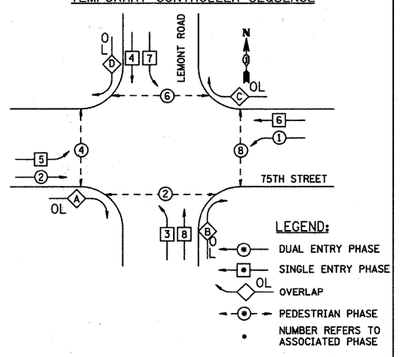
PUSH BUTTON "C" SHALL PLACE A CALL TO PHASE 4 AND 6

PUSH BUTTON "D" SHALL PLACE A CALL TO PHASE 6 AND 8

PHASE DESIGNATION DIAGRAM

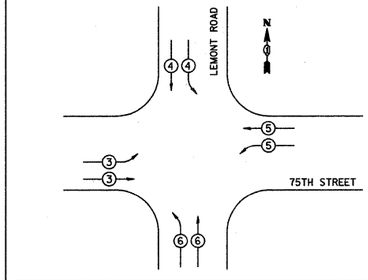
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	8	+	1
C	=	6	+	7
D	=	4	+	5

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
MOVEMENT				

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-ts6.1-temp-cable-lemont.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - DC	REVISED -	
	PLOT SCALE = 50.2000 ' / IN.	CHECKED - JP	REVISED -	
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

TEMPORARY CABLE CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE 75TH STREET AT LEMONT ROAD

SCALE: NONE | SHEET NO. 115 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	115
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL NOTES

1. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.

2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL FREE NUMBER 1-800-892-0123.

3. ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.

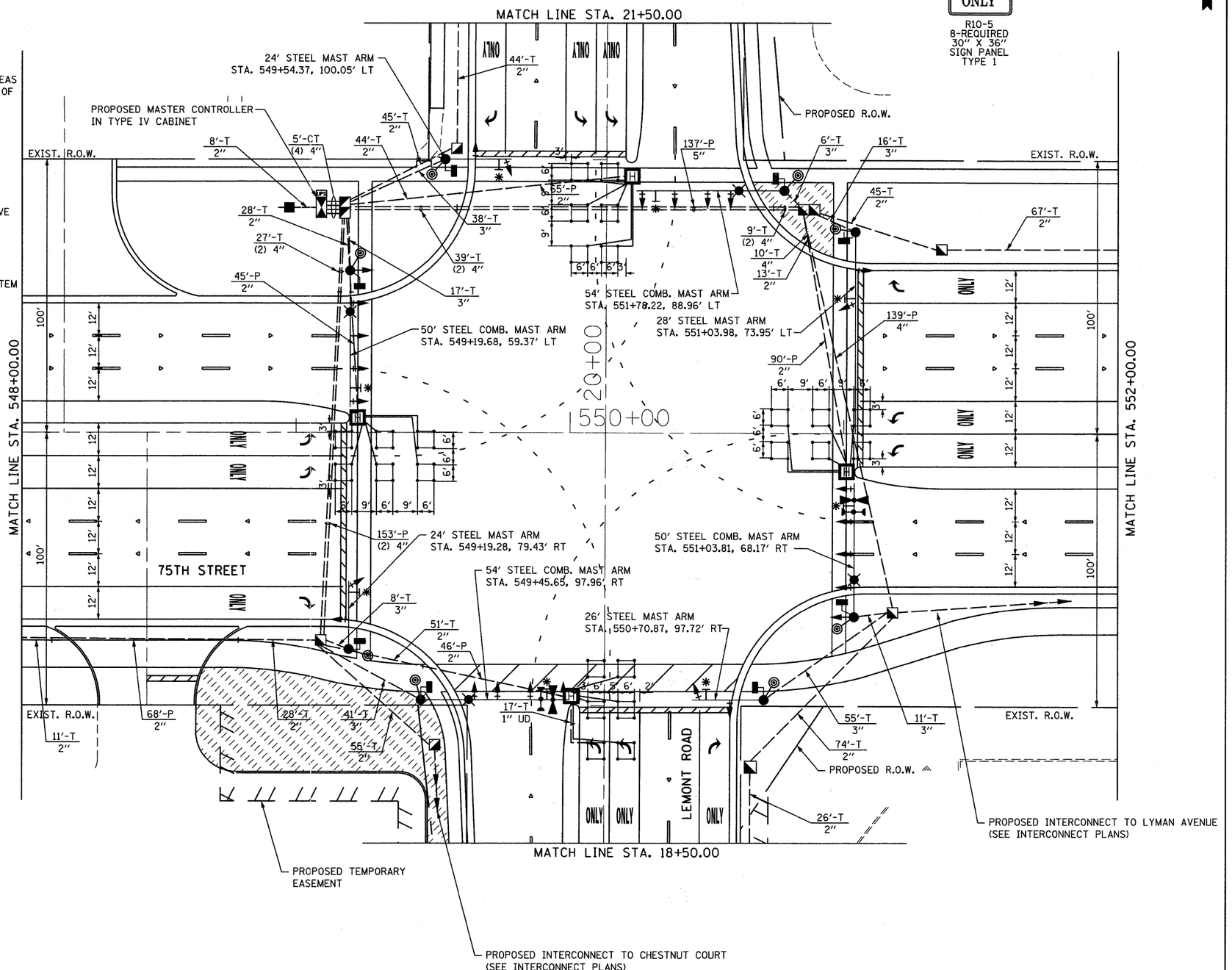
4. THE CONTRACTOR SHALL CONTACT THE DU PAGE COUNTY DIVISION OF TRANSPORTATION (630/407-6900) FOR TRAFFIC SIGNAL CABLE LOCATION, A MINIMUM OF 48 HOURS IN ADVANCE (SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED) AT ANY LOCATION WITHIN THE RIGHT-OF-WAY.

5. CONTACT THE DU PAGE COUNTY TRAFFIC SIGNAL COORDINATOR (630/407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL FOUNDATIONS AND SIGNAL HEADS.

6. LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4" DEEP INTO THE PAVEMENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT.

7. ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.

8. ALL LUMINAIRE ARMS SHALL BE 15 FEET UNLESS OTHERWHISE NOTED.



NOTE: ALL TRAFFIC SIGNAL HEADS SHALL BE L.E.D. (LIGHT EMITTING DIODE).

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-ts7e.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

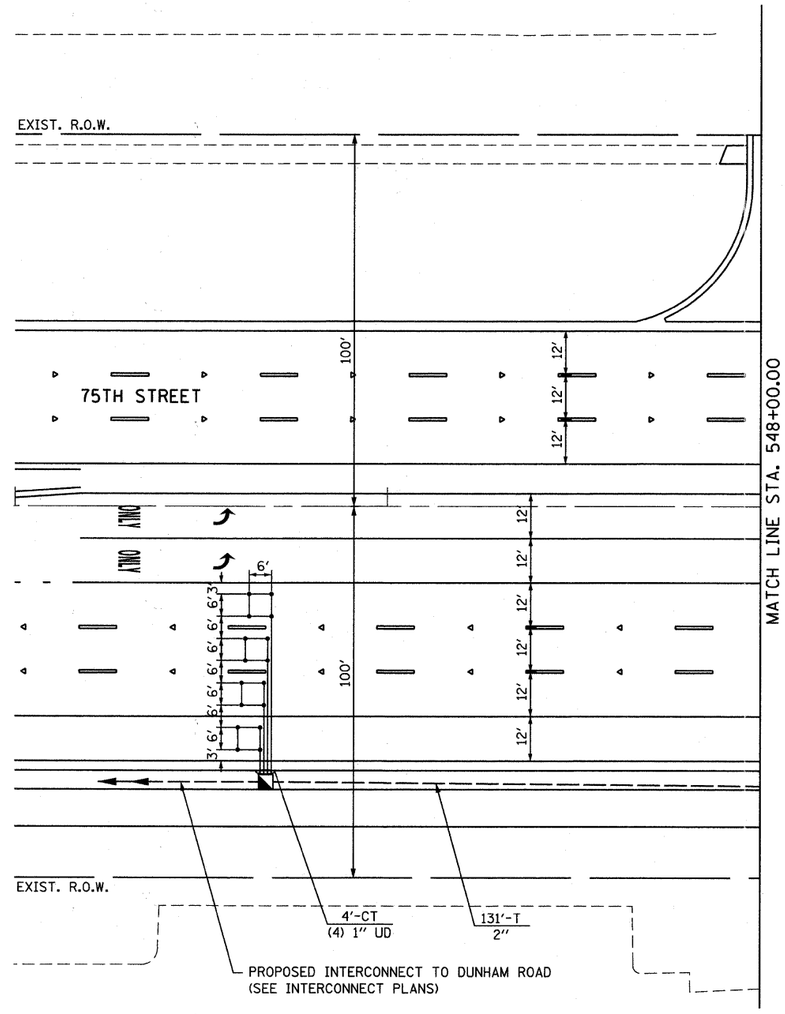
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

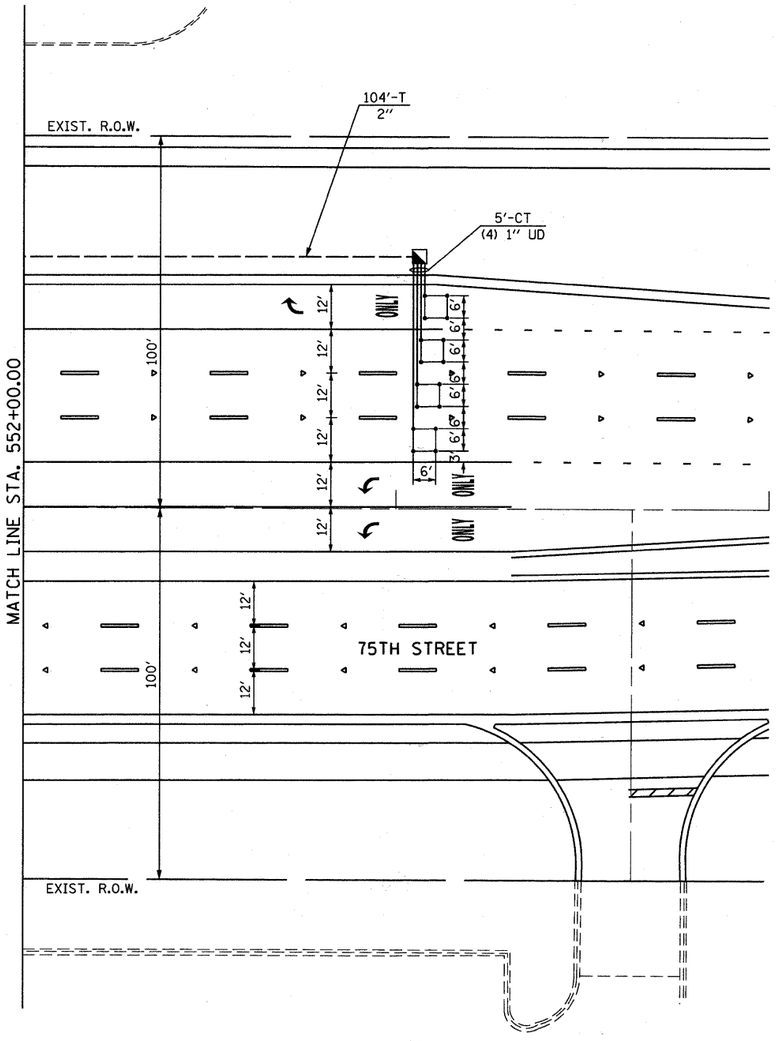
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
75TH STREET AT LEMONT ROAD

SCALE: 1"=20' | SHEET NO. 116 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	116
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		





N

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-ts75b.dgn

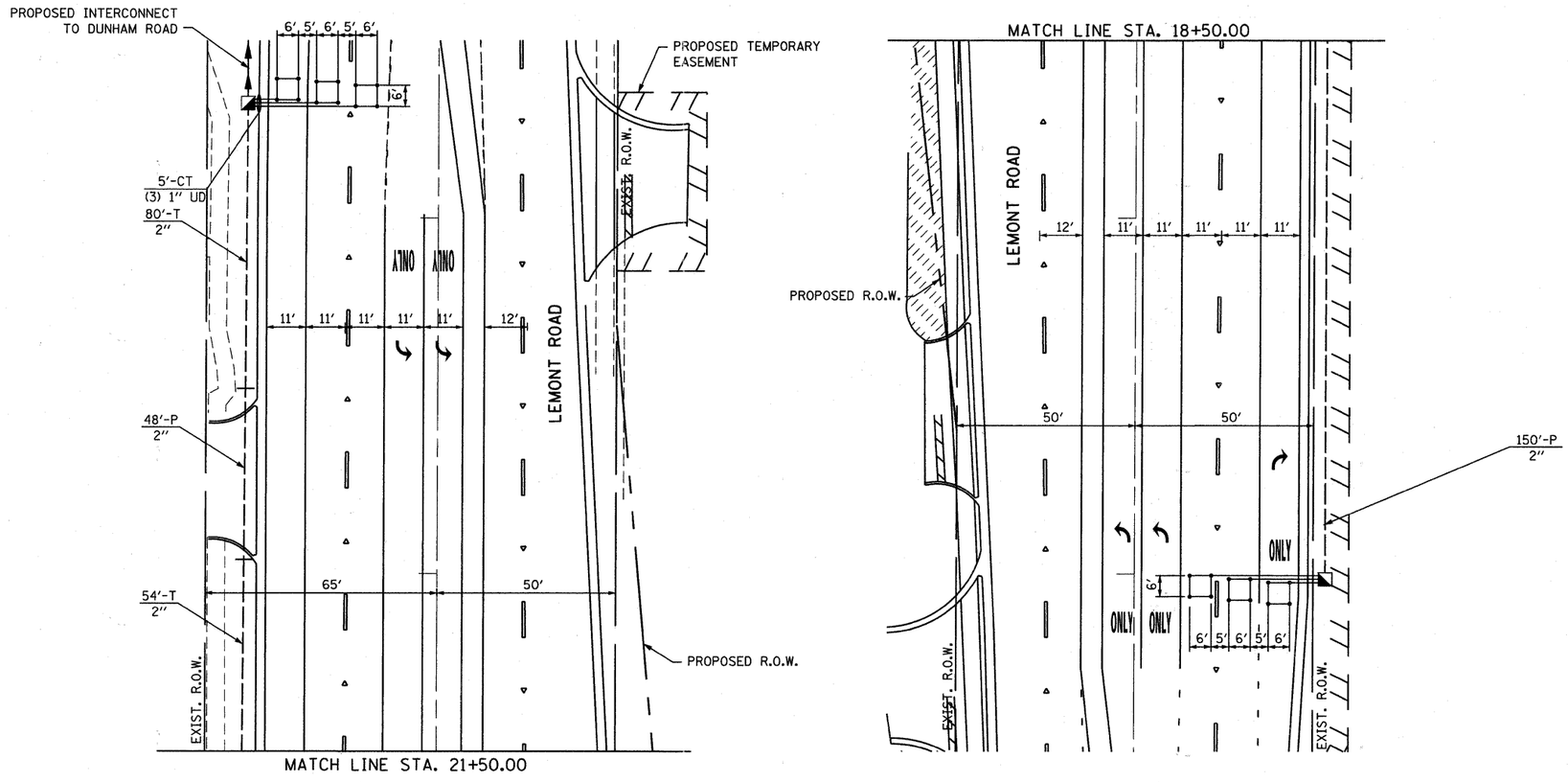
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
75TH STREET AT LEMONT ROAD

SCALE: 1"=20' | SHEET NO. 117 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	117
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



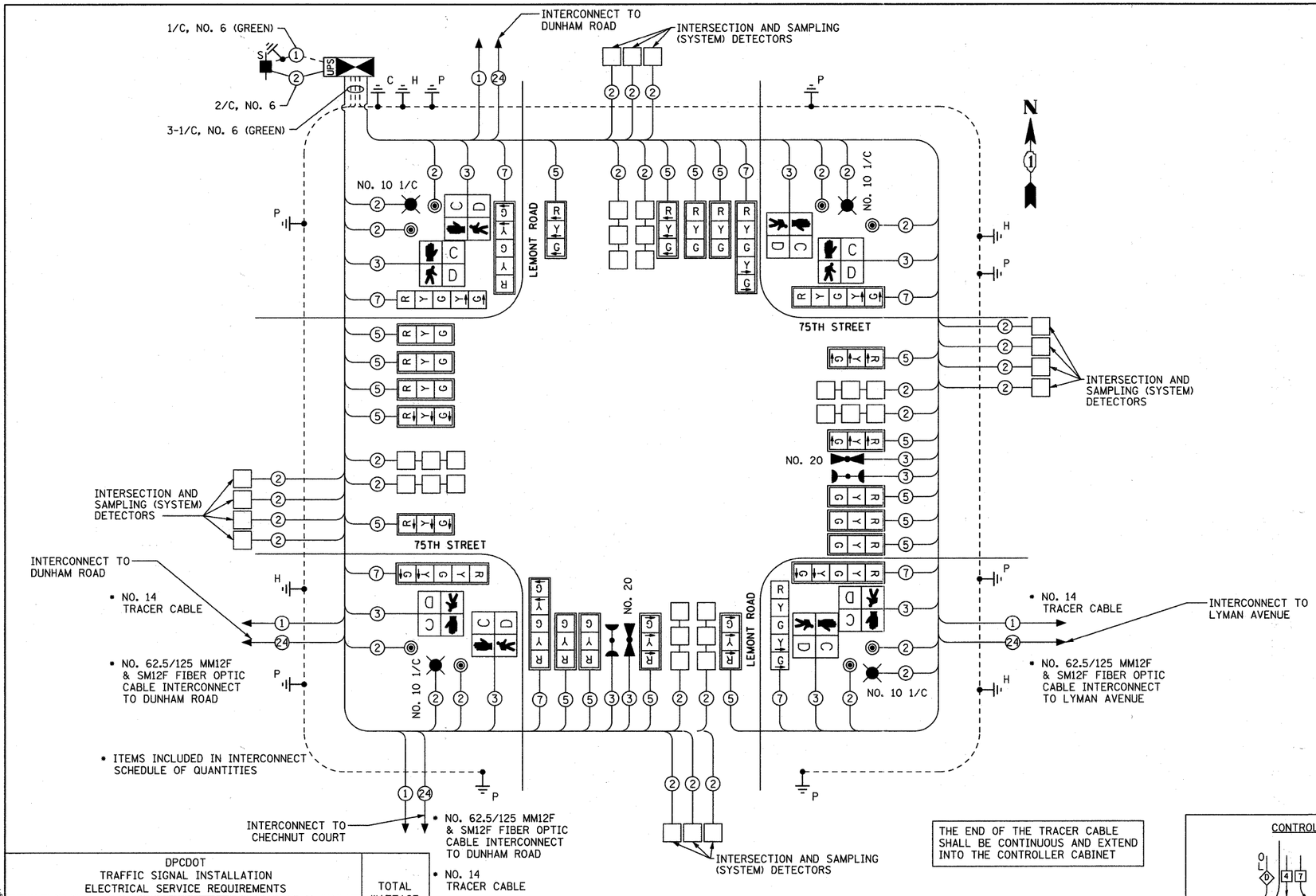
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = fx\451-838 75th st dupage dot\engineering\drawings\451-838-sht-ts75.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN 75TH STREET AT LEMONT ROAD
		DRAWN - DC	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -		
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -		SCALE: 1"=20' | SHEET NO. 118 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	118
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY
SIGN PANEL - TYPE 1	SQ FT	60
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1,181
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	192
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	180
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	246
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	719
HANDHOLE	EACH	13
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	2,510
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,553
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
FULL-ACTUATED CONTROLLER IN TYPE V CABINET	EACH	1
MASTER CONTROLLER	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,936
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,756
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5,101
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,137
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	11,294
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	28
STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	2
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	18
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	20
DETECTOR LOOP, TYPE I	FOOT	1,386
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	764
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

DPCDOT
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18		10	60	108
(YELLOW)	18		22	3	11.88
(GREEN)	18		12	37	79.92
SIGNAL (RED ARROW)	8		10	85	68
(YELLOW ARROW)	16		22	2	7.04
(GREEN ARROW)	16		12	13	24.96
PED. SIGNAL (HAND)	8		10	5	4
(PERSON)	8		22	95	167.2
CONTROLLER	1		100	100	100
LUMINAIRE	4	310		100	1240
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1916.0

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

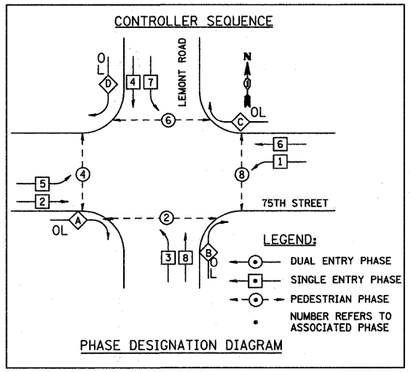
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

PHASE DESIGNATION DIAGRAM

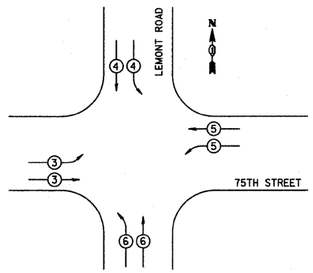
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	8	+	1
C	=	6	+	7
D	=	4	+	5

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
EMERGENCY VEHICLE PREEMPTORS				
MOVEMENT				

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-ta0.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 50.0000 ' / IN.
PLOT DATE = 9/7/2011

DESIGNED - GJE		REVISED -
DRAWN - DC		REVISED -
CHECKED - JP		REVISED -
DATE - 9/08/11		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
75TH STREET AT LEMONT ROAD

SCALE: NONE | SHEET NO. 119 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	119
		CONTRACT NO. 63632		
		ILLINOIS	FED. AID PROJECT	

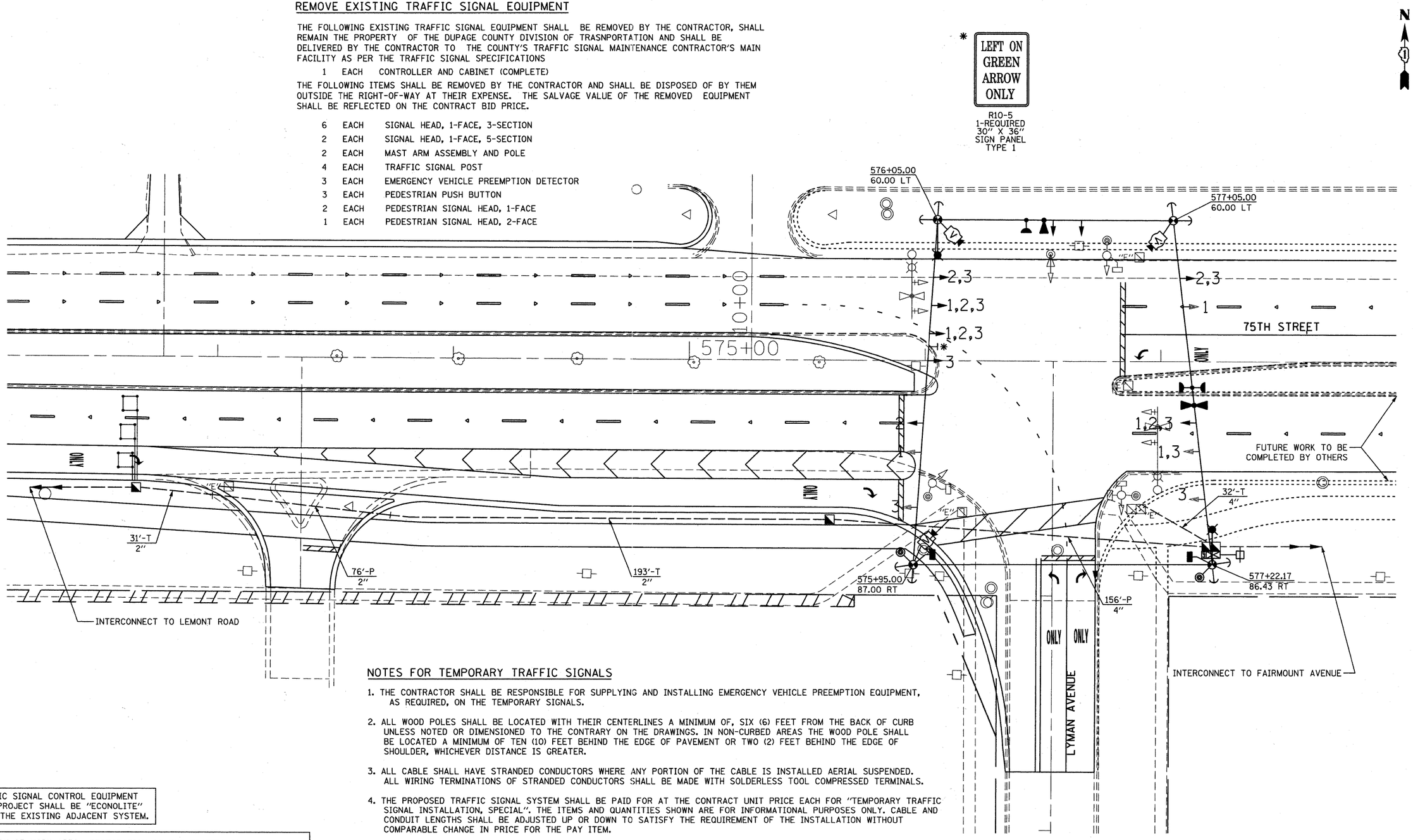
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE DUPAGE COUNTY DIVISION OF TRASNPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS

1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED ON THE CONTRACT BID PRICE.

6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
2	EACH	MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
3	EACH	EMERGENCY VEHICLE PREEMPTION DETECTOR
3	EACH	PEDESTRIAN PUSH BUTTON
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE



NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT, AS REQUIRED, ON THE TEMPORARY SIGNALS.
2. ALL WOOD POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF, SIX (6) FEET FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE WOOD POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
3. ALL CABLE SHALL HAVE STRANDED CONDUCTORS WHERE ANY PORTION OF THE CABLE IS INSTALLED AERIAL SUSPENDED. ALL WIRING TERMINATIONS OF STRANDED CONDUCTORS SHALL BE MADE WITH SOLDERLESS TOOL COMPRESSED TERMINALS.
4. THE PROPOSED TRAFFIC SIGNAL SYSTEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION, SPECIAL". THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CABLE AND CONDUIT LENGTHS SHALL BE ADJUSTED UP OR DOWN TO SATISFY THE REQUIREMENT OF THE INSTALLATION WITHOUT COMPARABLE CHANGE IN PRICE FOR THE PAY ITEM.
5. THE RELOCATION AND RAISING OF COMMONWEALTH EDISON COMPANY (COM ED) FACILITIES SHALL BE PERFORMED BY COM ED.
6. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, OR REMOVAL OF EXISTING TEMPORARY SIGNALS.
7. FOR PAVEMENT MARKING DETAIL SEE PAVEMENT MARKING AND STRIPING PLAN.
8. THE CONTRACTOR SHALL NOT REMOVE THE TEMPORARY TRAFFIC SIGNALS AND EQUIPMENT AT THE COMPLETION OF THE PROJECT.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-ts9-lyman.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

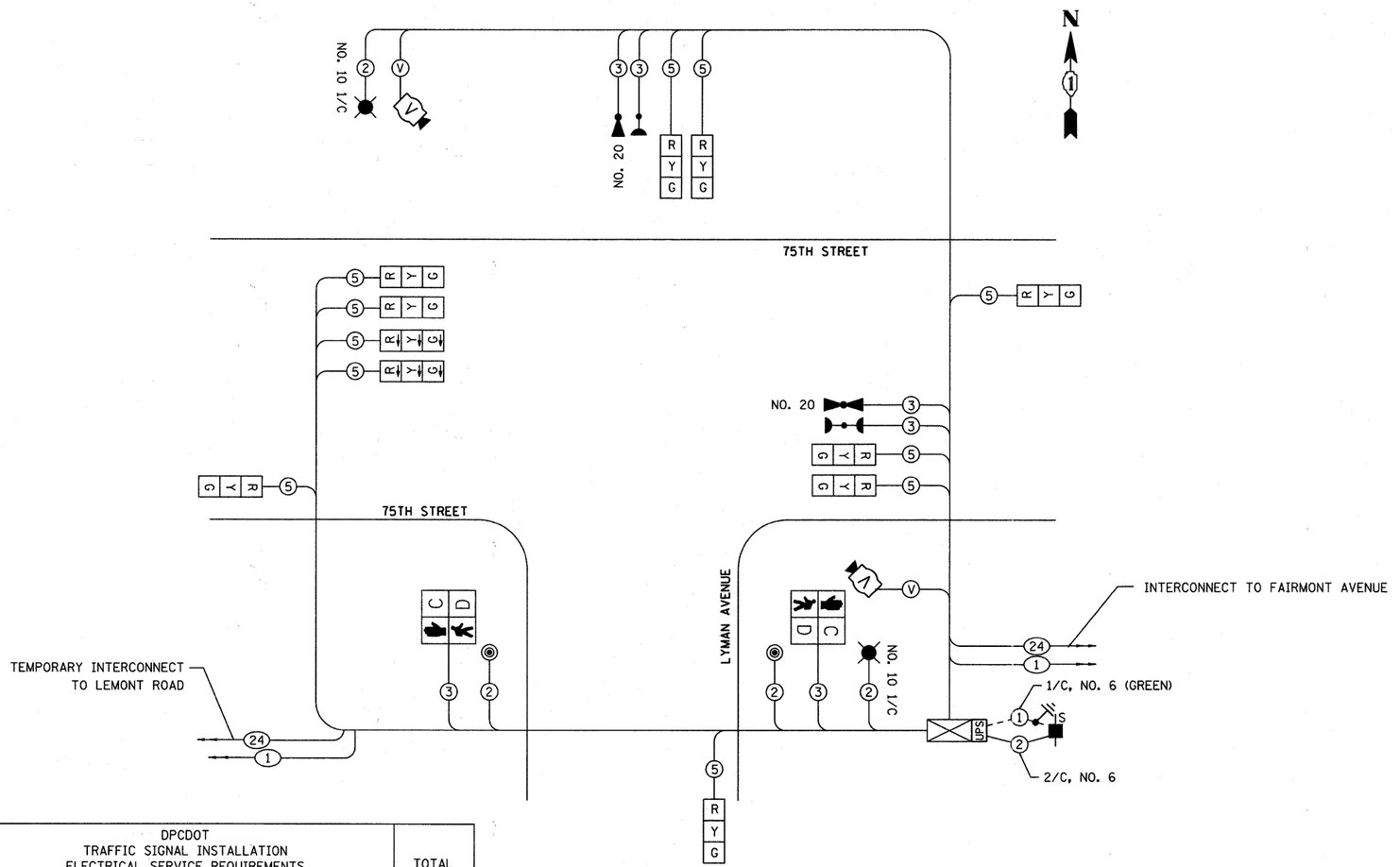
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
75TH STREET AT LYMAN AVENUE

SCALE: 1"=20' | SHEET NO. 120 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	120
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE PLAN

NOT TO SCALE

DPCDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	X WATTAGE INCAND	WATTAGE LED	X % OPERATION	
SIGNAL (RED)	9		10	60	54
(YELLOW)	9		22	3	5.94
(GREEN)	9		12	37	39.96
SIGNAL (RED ARROW)	2		10	85	17
(YELLOW ARROW)	2		22	2	0.88
(GREEN ARROW)	2		12	13	3.12
PED. SIGNAL (HAND)	2		10	5	1
(PERSON)	2		22	95	41.8
CONTROLLER	1		100	100	100
LUMINAIRE	2	310		100	620
VIDEO SYSTEM	1	150		50	150
				TOTAL =	1033.7

ENERGY COST TO: DuPage County Division of Transportation
421 N. County Farm Road
Wheaton, IL 60187-2553

ENERGY SUPPLY: CONTACT: DAVE BALLINGER
PHONE: 847-724-5717
COMPANY: ComEd

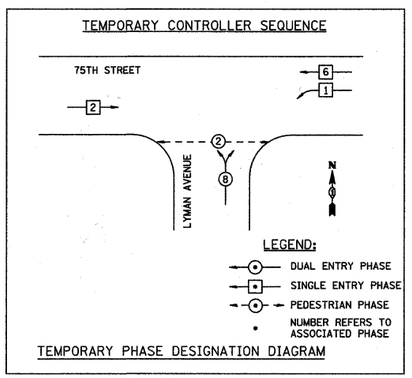
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

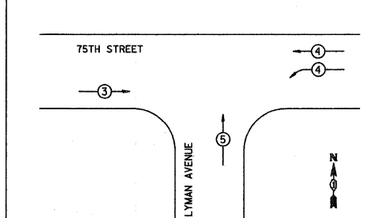
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIES BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATED HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	←	↑

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-tsl0-cable-lyman.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

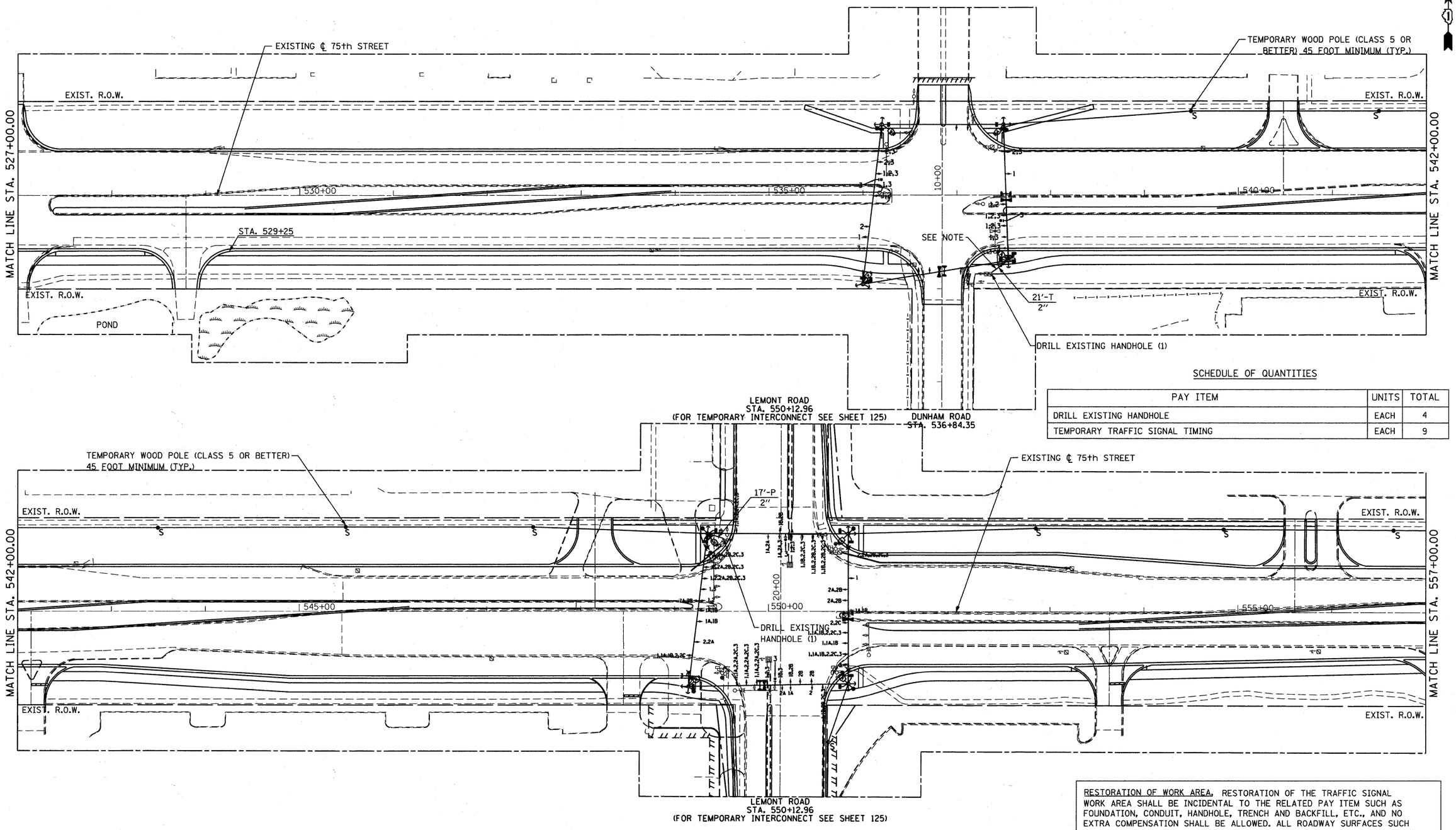
USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 50.0000 '/ IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
75TH STREET AT LYMAN AVENUE

SCALE: NONE | SHEET NO. 121 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	121
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	TOTAL
DRILL EXISTING HANDHOLE	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	9

NOTE:

THE CONTRACTOR SHALL INSTALL THE WOOD POLES AS SHOWN IN THE PLANS AND CONNECT THE AERIAL CABLE TO THE EXISTING HANDHOLE USING 2" CONDUIT. THIS WORK IS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-ts-temp_interconnect1.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

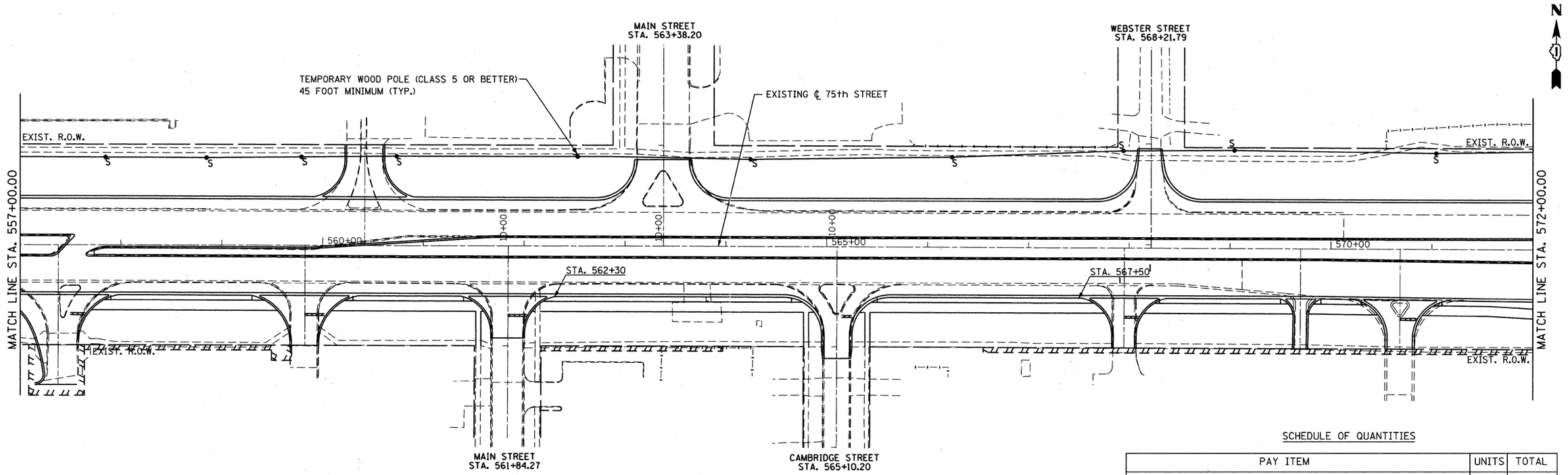
USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (1 OF 4)
75TH STREET

SCALE: 1"=50' | SHEET NO. 122 OF 198 SHEETS | STA. 527+00 TO STA. 557+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	122
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	TOTAL
DRILL EXISTING HANDHOLE	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	9

NOTE:

THE CONTRACTOR SHALL INSTALL THE WOOD POLES AS SHOWN IN THE PLANS AND CONNECT THE AERIAL CABLE TO THE EXISTING HANDHOLE USING 2" CONDUIT. THIS WORK IS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-aht-ts-temp_interconnect2.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

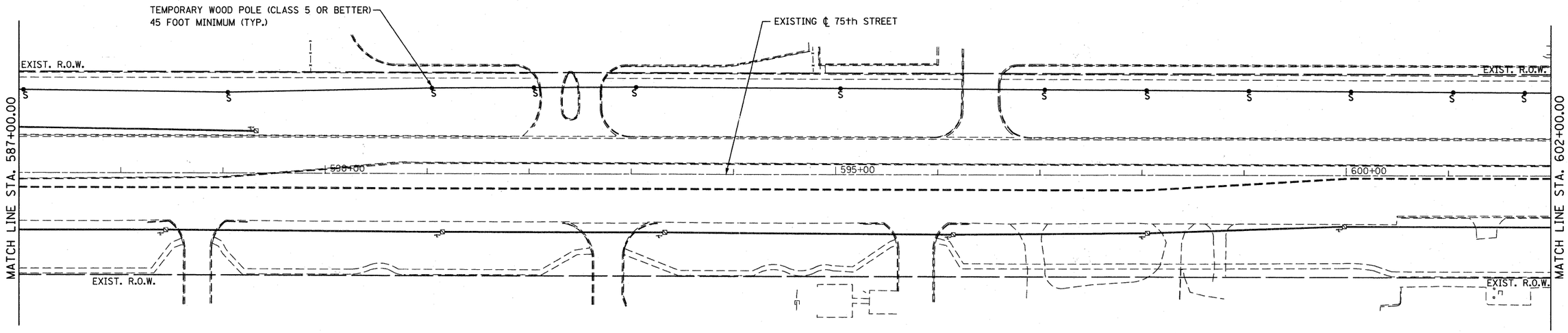
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (2 OF 4)
75TH STREET

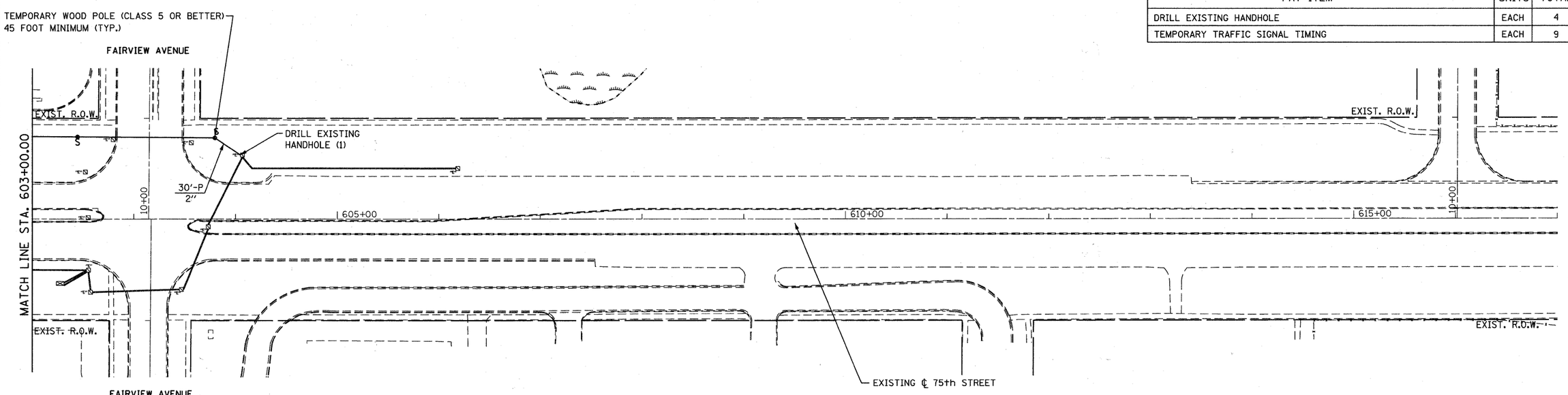
SCALE: 1"=50' | SHEET NO. 123 OF 198 SHEETS | STA. 557+00 TO STA. 587+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	123
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	TOTAL
DRILL EXISTING HANDHOLE	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	9



NOTE:

THE CONTRACTOR SHALL INSTALL THE WOOD POLES AS SHOWN IN THE PLANS AND CONNECT THE AERIAL CABLE TO THE EXISTING HANDHOLE USING 2" CONDUIT. THIS WORK IS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-aht-ts-temp_interconnect3.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

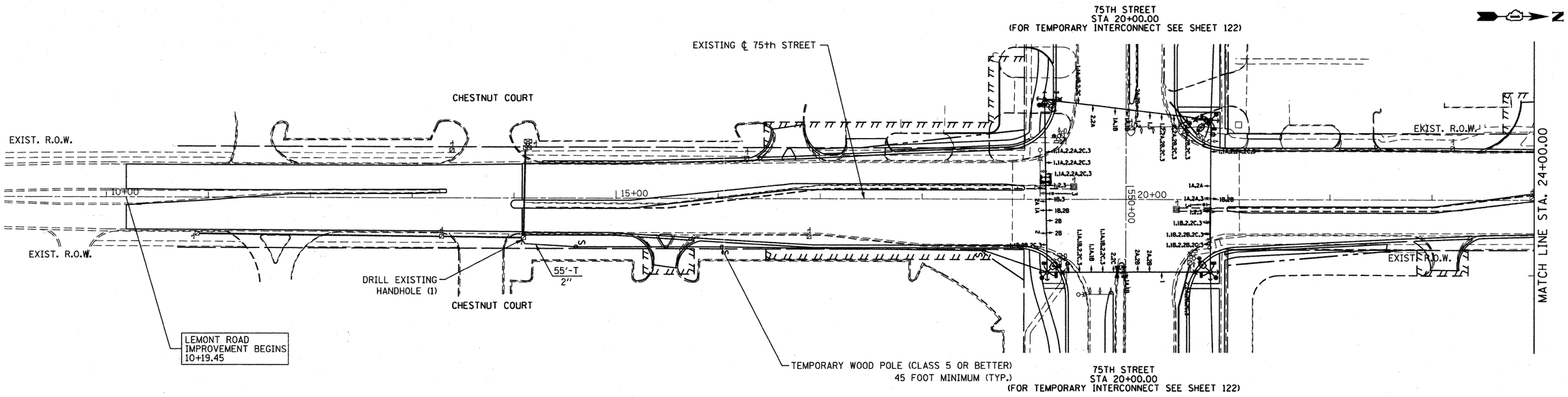
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (3 OF 4)
75TH STREET

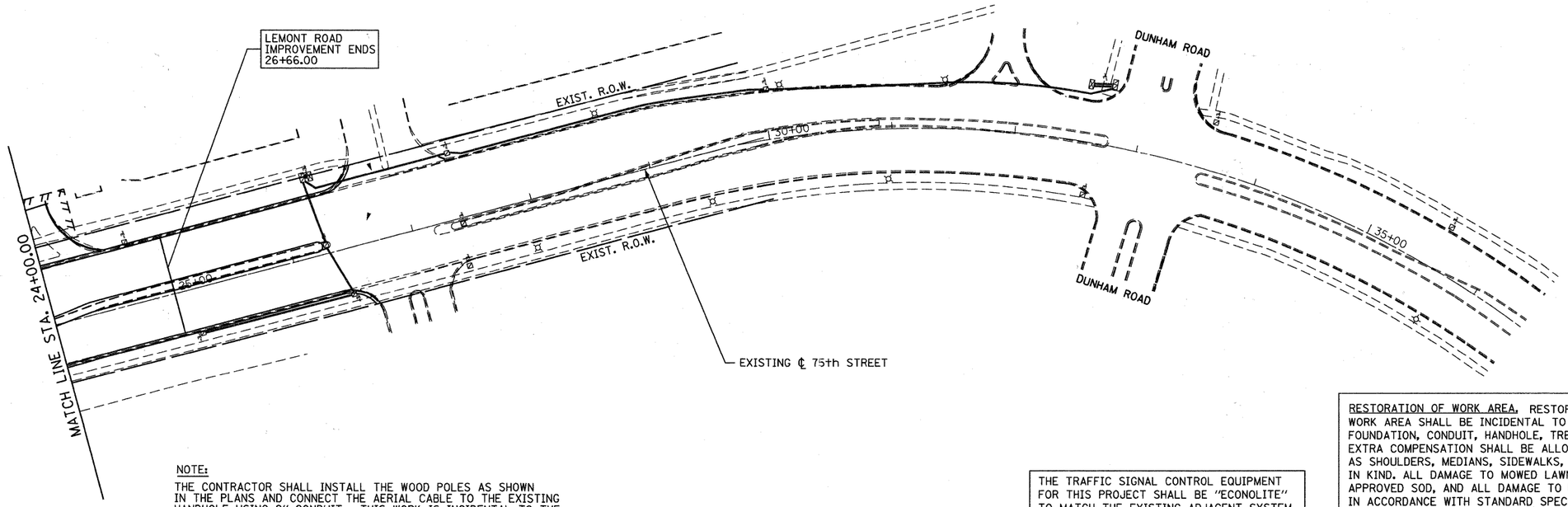
SCALE: 1"=50' | SHEET NO. 124 OF 198 SHEETS | STA. 587+00 TO STA. 617+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	124
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	TOTAL
DRILL EXISTING HANDHOLE	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	9



NOTE:

THE CONTRACTOR SHALL INSTALL THE WOOD POLES AS SHOWN IN THE PLANS AND CONNECT THE AERIAL CABLE TO THE EXISTING HANDHOLE USING 2" CONDUIT. THIS WORK IS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-aht-ts-temp_interconnect-lamont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

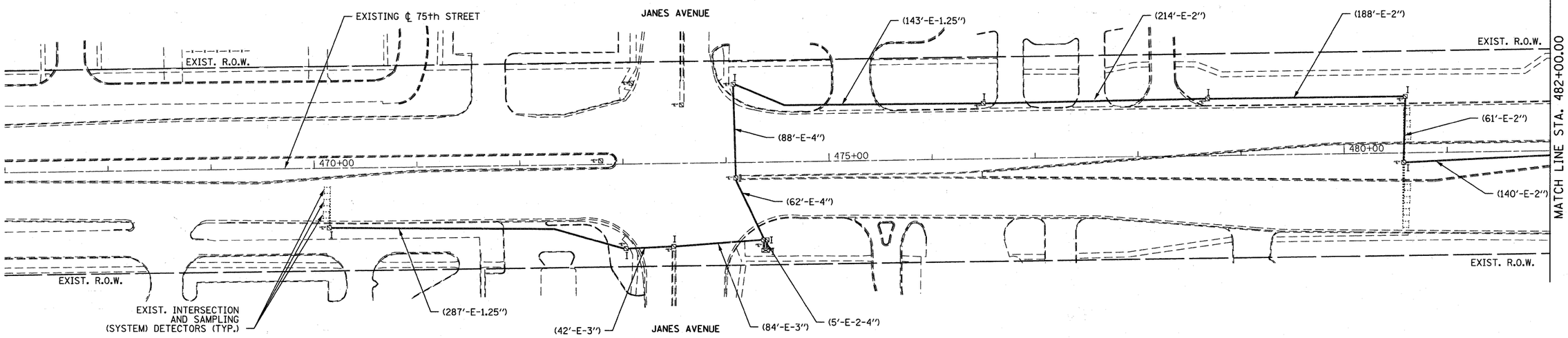
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

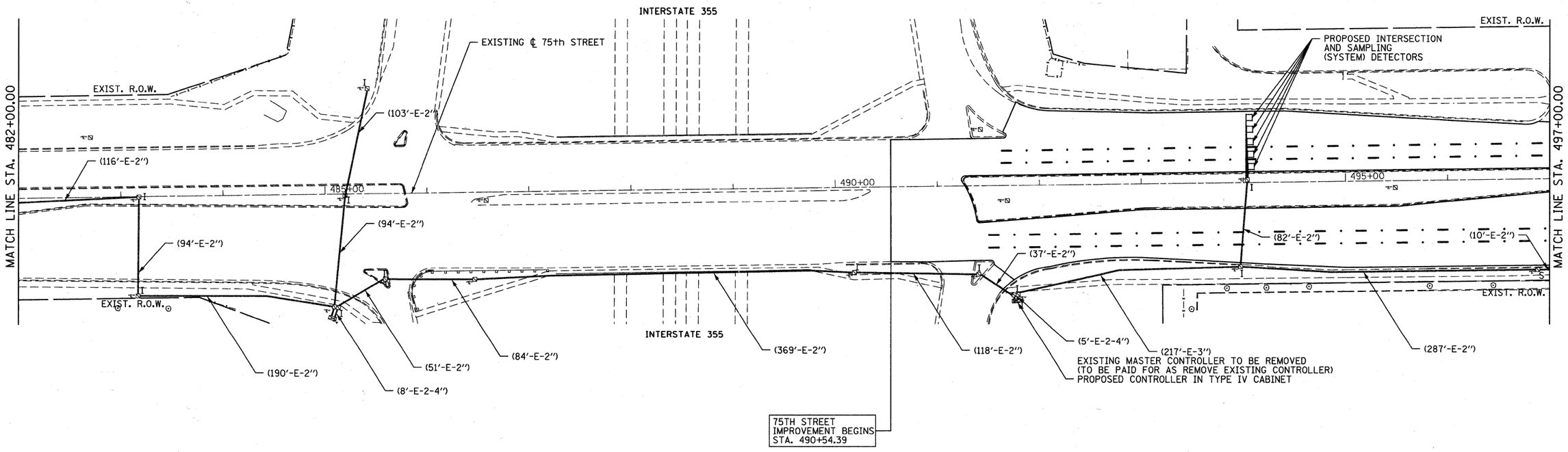
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN (4 OF 4)
LEMONT ROAD

SCALE: 1"=50' | SHEET NO. 125 OF 198 SHEETS | STA. 10+50.00 TO STA. 30+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	125
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		





FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-ts-interconnect0.dgn

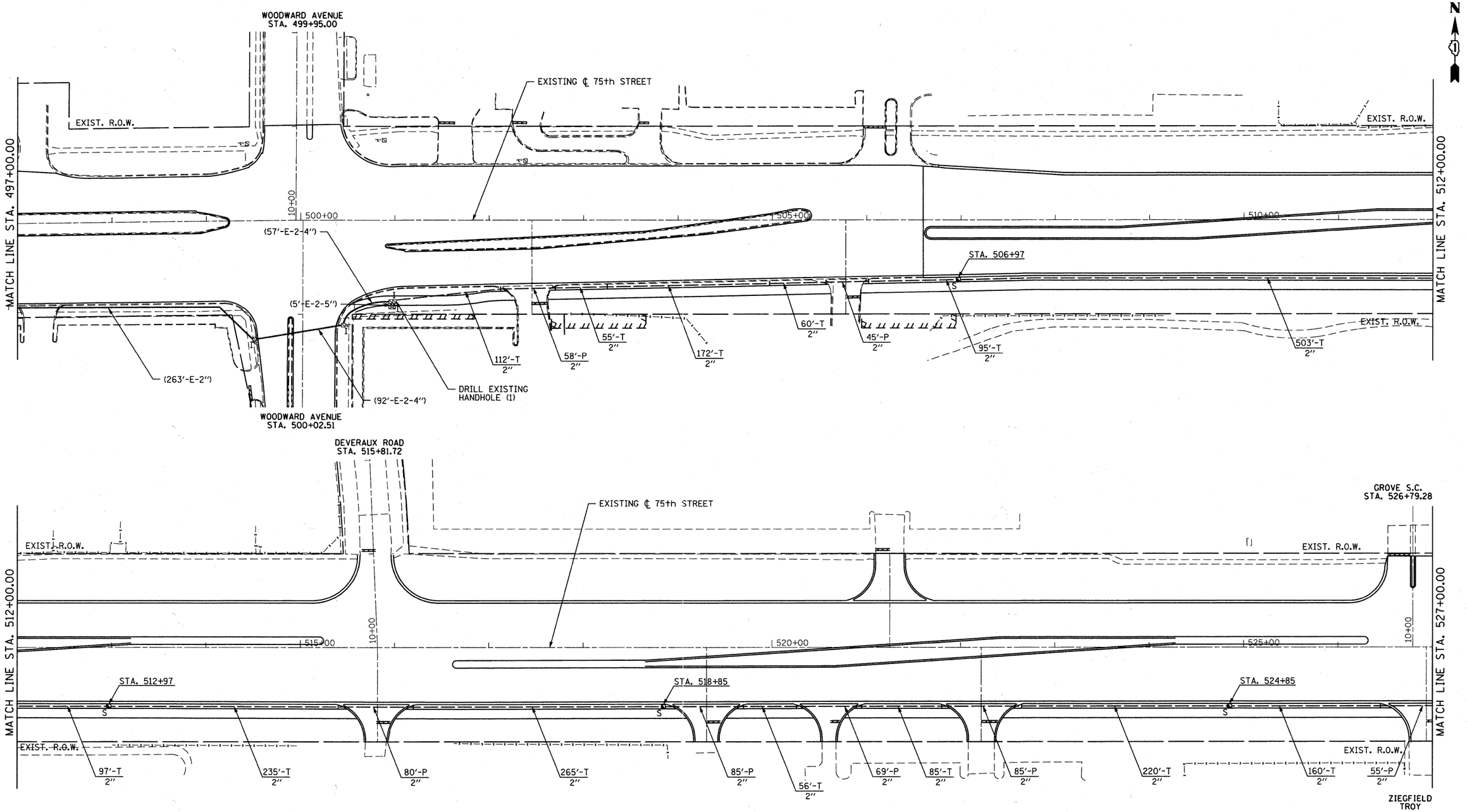
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (1 of 6)
75TH STREET

SCALE: 1"=50' | SHEET NO. 126 OF 198 SHEETS | STA. 467+00 TO STA. 497+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	126
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



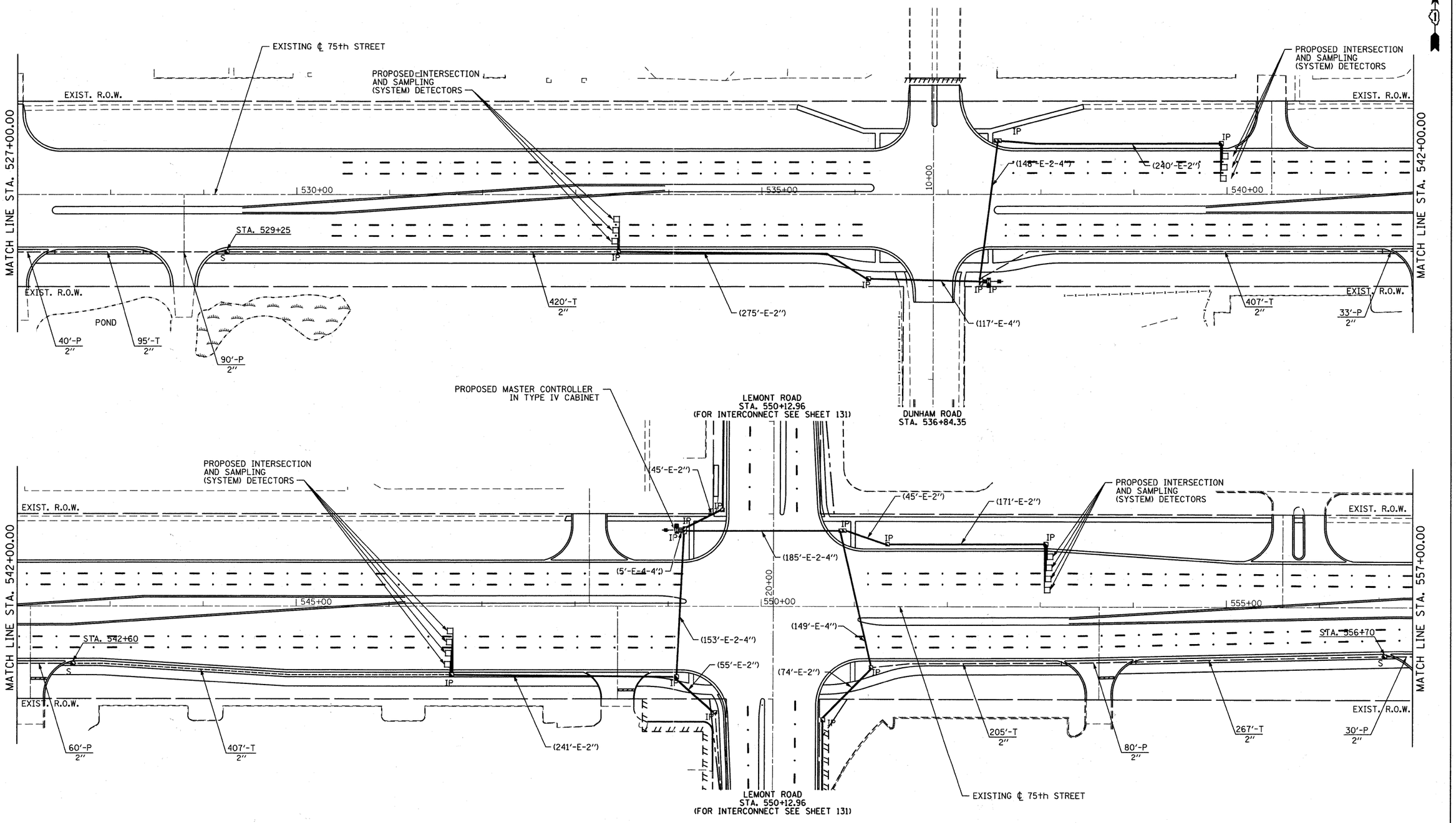
FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-ahc-ts-interconnect1.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - DC	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

INTERCONNECT PLAN (2 OF 6)
75TH STREET

SCALE: 1"=50' | SHEET NO. 127 OF 198 SHEETS | STA. 497+00 TO STA. 527+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	127
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-int-ts-interconnect2.dgn

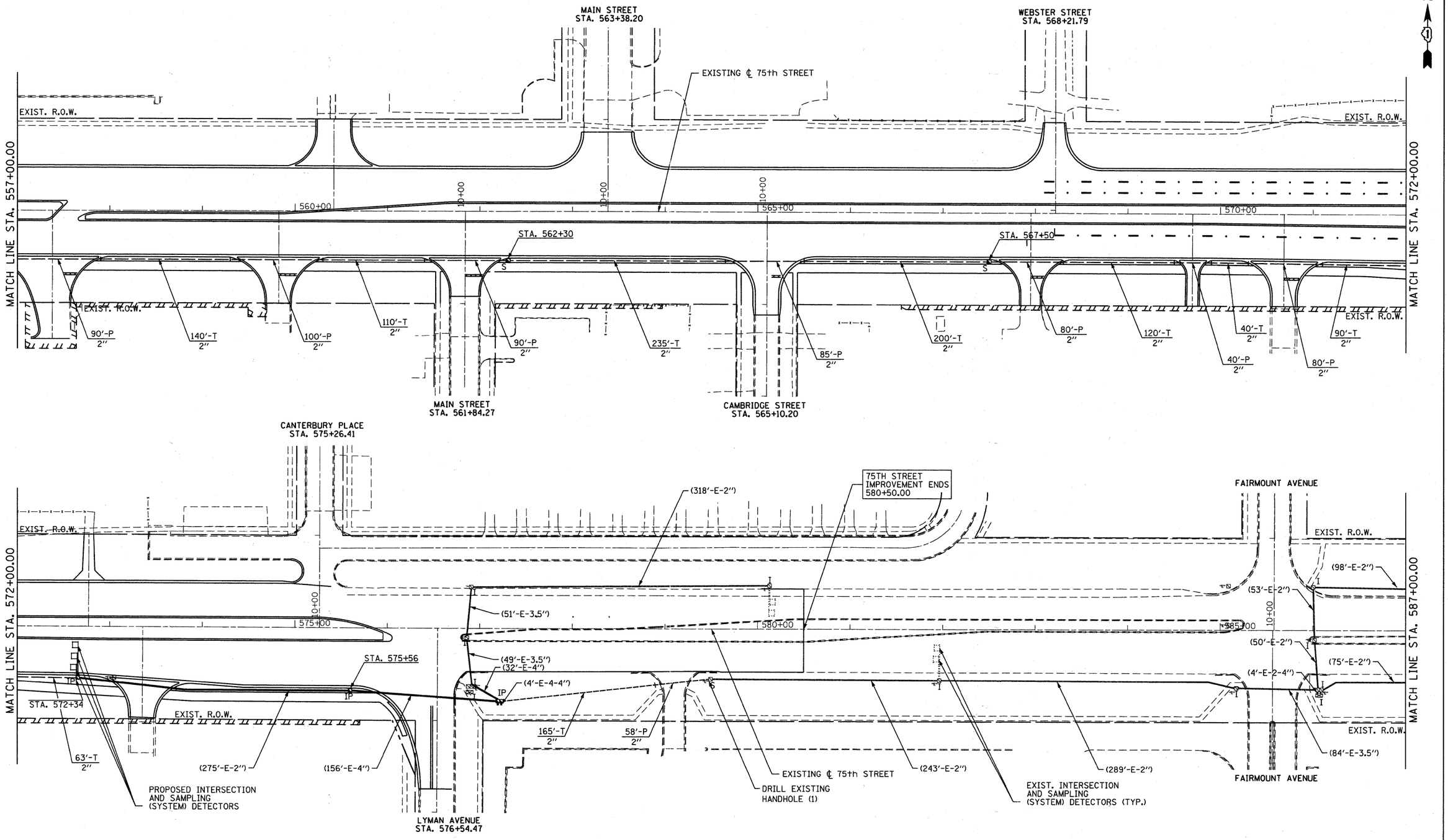
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (3 OF 6)
75TH STREET

SCALE: 1″=50′ | SHEET NO. 128 OF 198 SHEETS | STA. 527+00 TO STA. 557+00

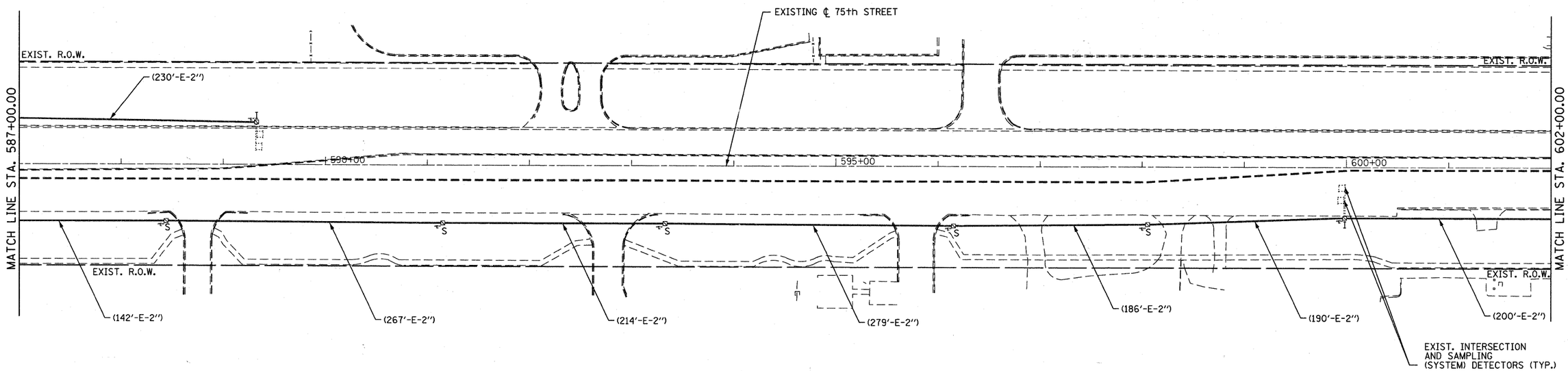
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	128
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

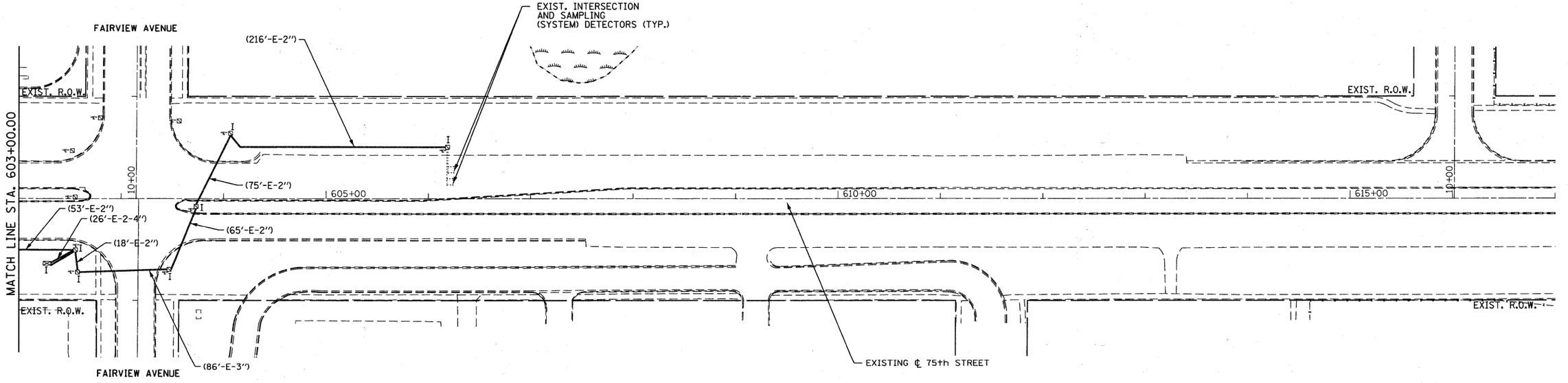


FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-aht-ta-interconnect3.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**INTERCONNECT PLAN (4 OF 6) 75TH STREET**
		DRAWN - DC	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -		SCALE: 1"=50' | SHEET NO. 129 OF 198 SHEETS | STA. 557+00 TO STA. 587+00
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	129
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		





FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-ahi-to-interconnect4.dgn

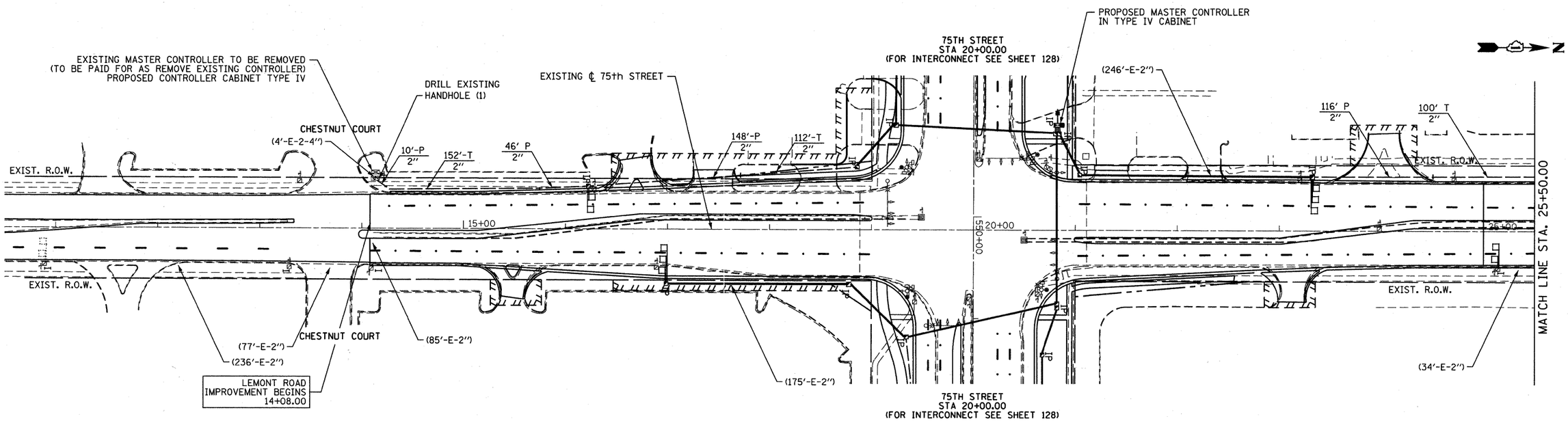
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (5 OF 6)
75TH STREET

SCALE: 1"=50' | SHEET NO. 130 OF 198 SHEETS | STA. 587+00 TO STA. 617+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	130
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



NOTE:

THE CONTRACTOR SHALL INSTALL THE WOOD POLES AS SHOWN IN THE PLANS AND CONNECT THE AERIAL CABLE TO THE EXISTING HANDHOLE USING 2" CONDUIT. THIS WORK IS INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-ta-interconnect-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

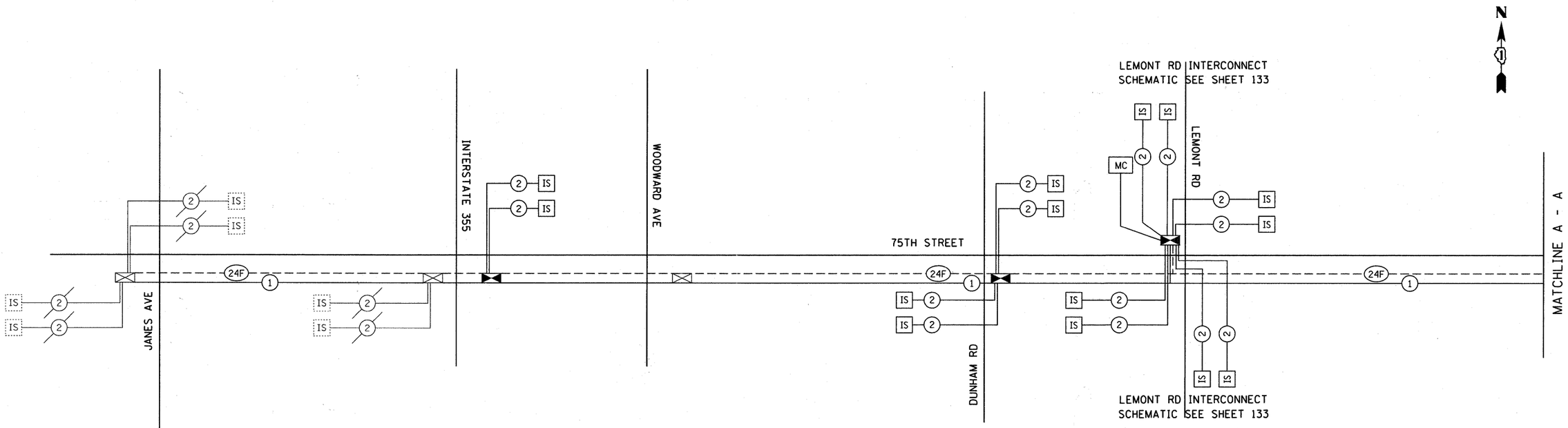
USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN (6 OF 6)
LEMONT ROAD

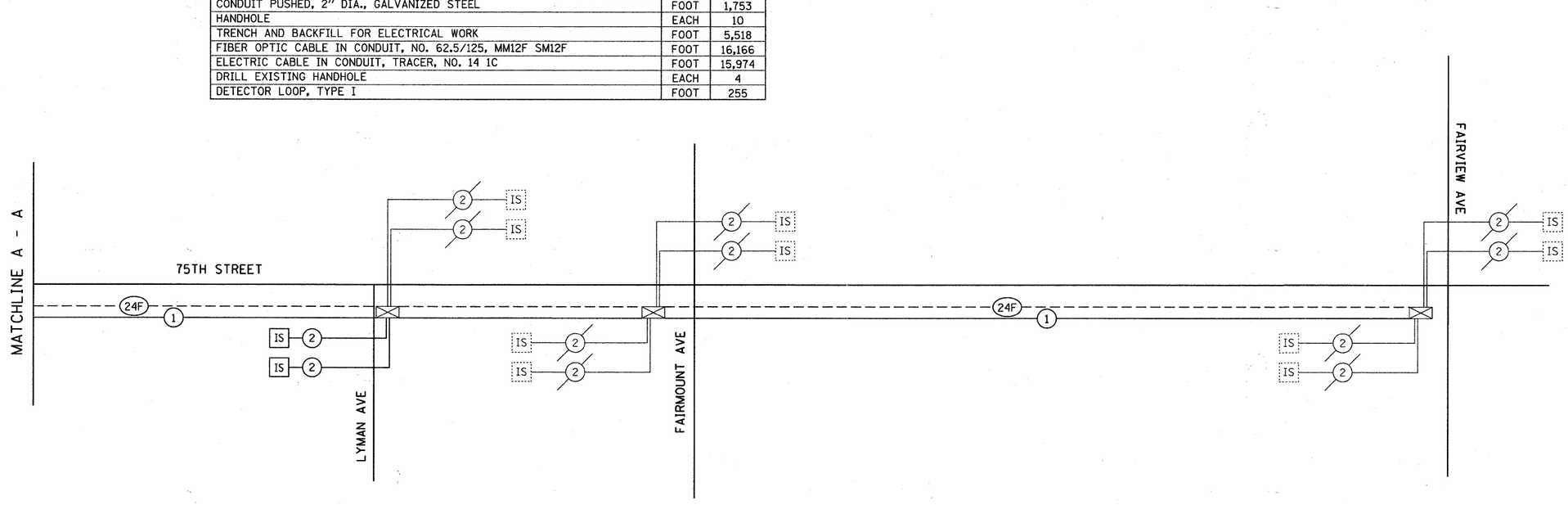
SCALE: 1"=50' | SHEET NO. 131 OF 198 SHEETS | STA. 10+50.00 TO STA. 30+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	131
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5,518
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1,753
HANDHOLE	EACH	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5,518
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	16,166
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	15,974
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	255



FILE NAME = f:\451-038 75th. st dupage dot\engineering\drawings\451-038-int-ta-interc-schematic.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

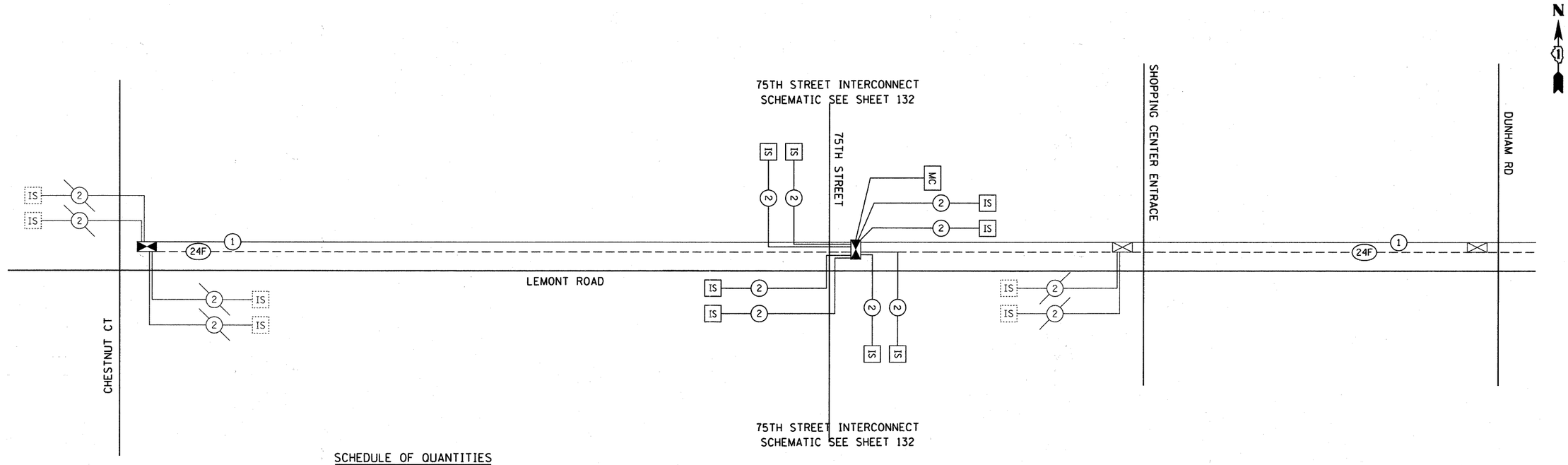
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
75TH STREET
FROM JANES AVE TO FAIRVIEW AVE

SCALE: NONE | SHEET NO. 132 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	132
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5,518
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1,753
HANDHOLE	EACH	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5,518
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	16,166
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	15,974
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	255

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-aht-ta-interconschematic2.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

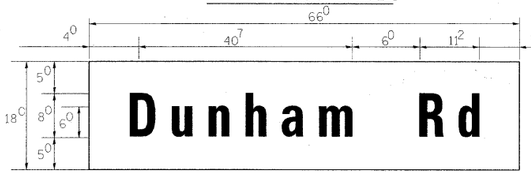
INTERCONNECT SCHEMATIC
LEMONT ROAD
FROM CHESTNUT CT TO DUNHAM RD

SCALE: NONE | SHEET NO. 133 OF 198 SHEETS | STA. | TO STA.

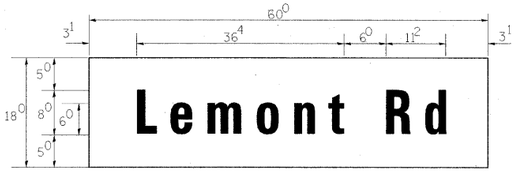
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	133
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	134
		ILLINOIS	FED. AID PROJECT	

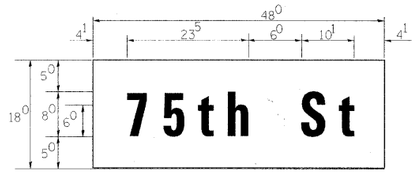
PANEL SIGN DESIGN TYPE 1



____ Sq. M. each
8.25 Sq. Ft. each
2 Required
Design Series D



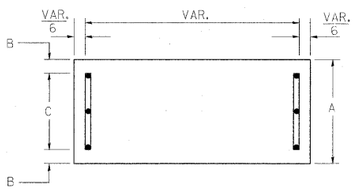
____ Sq. M. each
7.5 Sq. Ft. each
2 Required
Design Series D



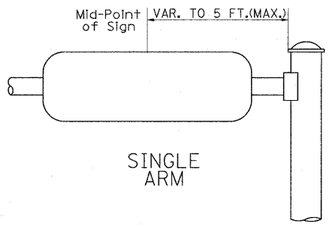
____ Sq. M. each
6 Sq. Ft. each
4 Required
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

SUPPORTING CHANNELS



A	B	C
18"	2"	14"



SINGLE ARM

SUPPORTING CHANNELS

SINGLE ARM

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

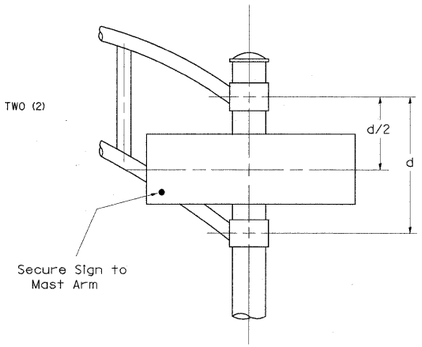
GENERAL NOTES

1. 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.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
4. ALL BORDERS SHALL BE ¾" WIDE AND CORNER RADIUS SHALL BE 2-1/4 ".
5. 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
   - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
   - * TUCKER COMPANY, INC., WAUWATOSA, WI
   - * WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	¼" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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



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, 2 (3) DENOTES 3/8"

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1^2	1^4	1^4	1^5	1^2	1^4	0^6	1^0	1^1	1^4	0^6	1^0	1^1	1^2	1^2	1^4
B	1^4	1^5	2^0	2^1	1^4	1^5	1^1	1^2	1^4	1^5	1^2	1^4	1^2	1^4	1^6	1^7
C E G	1^4	1^5	2^0	2^1	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5
D O Q R	1^4	1^5	2^0	2^1	1^4	1^5	0^6	1^0	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5
F	0^5	0^6	1^4	1^5	0^6	1^0	0^5	0^6	0^6	1^0	0^6	1^0	0^6	1^0	1^1	1^2
H I M N	2^0	2^1	2^2	2^4	2^0	2^1	1^4	1^5	1^6	1^7	1^6	1^7	2^0	2^1	2^0	2^1
J U	2^0	2^1	2^0	2^1	1^6	1^7	1^4	1^5	1^6	1^7	1^6	1^7	1^6	1^7	2^0	2^1
K L	1^1	1^2	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
P	1^2	1^4	1^4	1^5	1^2	1^4	0^5	0^6	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
S	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
T	1^1	1^2	1^6	1^7	0^6	1^0	0^6	1^0	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
V	0^6	1^0	1^4	1^5	1^1	1^2	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
Y	0^5	0^6	1^4	1^5	0^6	1^0	0^5	0^6	0^5	0^7	0^5	0^6	0^6	1^0	1^1	1^2
Z	1^6	1^7	2^2	2^4	1^6	1^7	1^2	1^4	1^6	1^7	1^6	1^7	1^6	1^7	2^0	2^1

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

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j l m n q u	1^6	1^7	2^2	2^4	1^6	1^7	1^2	1^4	1^4	1^5	1^4	1^5	1^6	1^7	1^6	1^7
b f k o p s	1^2	1^4	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
c e	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
r	0^6	1^0	1^2	1^4	0^6	1^0	0^3	0^3	0^5	0^6	0^5	0^6	0^6	1^0	0^6	1^0
t z	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
v y	1^1	1^2	1^4	1^5	1^1	1^2	0^5	0^6	0^6	1^0	0^6	1^0	1^1	1^2	1^1	1^2
w	1^1	1^2	1^4	1^5	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
x	1^2	1^4	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4

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

FIRST NUMBER	SECOND NUMBER: 0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1^6	1^7	1^6	1^7	1^4	1^5	1^2	1^4	1^4	1^5	1^4	1^5	1^6	1^7	1^2	1^4	1^6	1^7	1^6	1^7
1	2^0	2^1	2^0	2^1	2^0	2^1	1^6	1^7	1^4	1^5	2^0	2^1	2^0	2^1	1^4	1^5	2^0	2^1	2^0	2^1
2 3 4	1^4	1^5	1^4	1^5	1^4	1^5	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5	1^1	1^2	1^6	1^7	1^4	1^5
5	1^4	1^5	1^4	1^5	1^4	1^5	1^1	1^2	1^1	1^2	1^4	1^5	1^4	1^5	1^1	1^2	1^4	1^5	1^4	1^5
6	1^6	1^7	1^4	1^5	1^4	1^5	1^2	1^5	1^2	1^4	1^4	1^5	1^4	1^5	1^1	1^2	1^4	1^5	1^4	1^5
7	1^2	1^4	1^2	1^4	1^4	1^5	1^2	1^5	0^5	0^6	1^2	1^4	1^4	1^5	1^1	1^2	1^4	1^5	1^2	1^4
8	1^6	1^7	1^6	1^7	1^4	1^5	1^2	1^5	1^2	1^4	1^4	1^5	1^6	1^7	1^2	1^4	1^6	1^7	1^4	1^5

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS, SERIES C	6 INCH UPPER CASE LETTERS, SERIES D	8 INCH UPPER CASE LETTERS, SERIES C	8 INCH UPPER CASE LETTERS, SERIES D	LETTERS	6 INCH LOWER CASE LETTERS, SERIES C	6 INCH LOWER CASE LETTERS, SERIES D
A	3^6	5^0	5^0	6^5	a	3^5	4^2
B	3^2	4^0	4^3	5^3	b	3^5	4^2
C	3^2	4^0	4^3	5^3	c	3^5	4^1
D	3^2	4^0	4^3	5^3	d	3^5	4^2
E	3^0	3^5	4^0	4^7	e	3^5	4^2
F	3^0	3^5	4^0	4^7	f	2^3	2^6
G	3^2	4^0	4^3	5^3	g	3^5	4^2
H	3^2	4^0	4^3	5^3	h	3^5	4^2
I	0^7	0^7	1^1	1^2	i	1^1	1^1
J	3^0	3^6	4^0	5^0	j	2^0	2^2
K	3^2	4^1	4^3	5^4	k	3^5	4^2
L	3^0	3^5	4^0	4^7	l	1^1	1^1
M	3^7	4^5	5^1	6^1	m	6^0	7^0
N	3^2	4^0	4^3	5^3	n	3^5	4^2
O	3^4	4^2	4^5	5^5	o	3^6	4^3
P	3^2	4^0	4^3	5^3	p	3^5	4^2
Q	3^4	4^2	4^5	5^5	q	3^5	4^2
R	3^2	4^0	4^3	5^3	r	2^6	3^2
S	3^2	4^0	4^3	5^3	s	3^6	4^2
T	3^0	3^5	4^0	4^7	t	2^7	3^2
U	3^2	4^0	4^3	5^3	u	3^5	4^2
V	3^5	4^4	4^7	6^0	v	4^2	4^7
W	4^4	5^2	6^0	7^0	w	5^5	6^4
X	3^4	4^0	4^5	5^3	x	4^4	5^1
Y	3^6	5^0	5^0	6^6	y	4^6	5^3
Z	3^2	4^0	4^3	5^3	z	3^6	4^3

NUMBER	6 INCH SERIES, C	6 INCH SERIES, D	8 INCH SERIES, C	8 INCH SERIES, D
1	1^2	1^4	1^5	2^0
2	3^2	4^0	4^3	5^3
3	3^2	4^0	4^3	5^3
4	3^5	4^3	4^7	5^7
5	3^2	4^0	4^3	5^3
6	3^2	4^0	4^3	5^3
7	3^2	4^0	4^3	5^3
8	3^2	4^0	4^3	5^3
9	3^2	4^0	4^3	5^3
0	3^4	4^2	4^5	5^5

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

Illinois Department of Transportation
DISTRICT 1

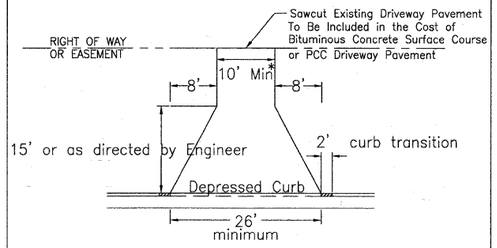
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE
DATE: 04-03-2009

DRAWN BY: JCM
DESIGNED BY: JCM
CHECKED BY: JP

FILE NAME = F:\451-030 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-030-sht-streetnames.dgn
PLOT DATE = 9/7/2011 8:10:37 PM

PRIVATE ENTRANCE DETAIL



BITUMINOUS DRIVEWAY

1" HMA Surface Course
2" HMA Base Course
8" Aggregate Base Course, Type B

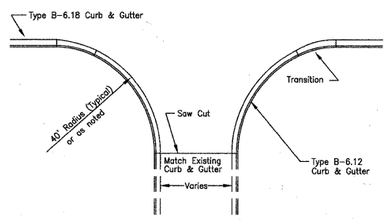
PCC DRIVEWAY

7" PCC Driveway Pavement
6" Sub Base Granular Material, Type B

*20' max or match existing

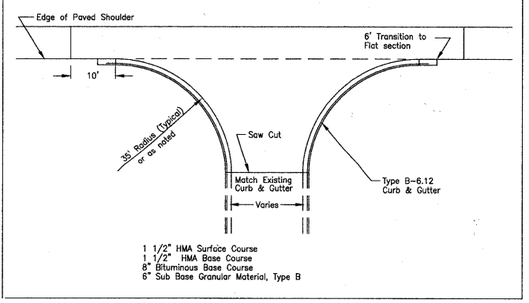
TYPICAL CURBED SIDE ROAD APPROACH

CURBED HIGHWAY



1 1/2" HMA Surface Course
1 1/2" HMA Base Course
8" Bituminous Base Course
6" Sub Base Granular Material, Type B

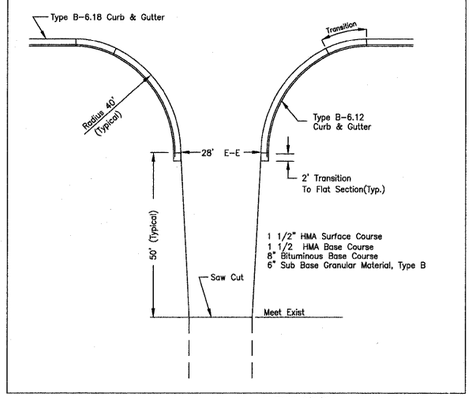
UNCURBED HIGHWAY



1 1/2" HMA Surface Course
1 1/2" HMA Base Course
8" Bituminous Base Course
6" Sub Base Granular Material, Type B

TOM H. 8/22/00
\\DOTSERVER\ENGINEERING\STANDARD\DETAILS\SIDESTRT3.DWG

TYPICAL UNCURBED SIDE ROAD APPROACH



1 1/2" HMA Surface Course
1 1/2 HMA Base Course
8" Bituminous Base Course
6" Sub Base Granular Material, Type B

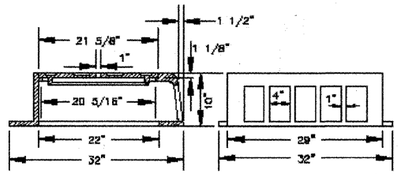
TOM H. 8/22/00
\\DOTSERVER\ENGINEERING\STANDARD\DETAILS\SIDESTRT..DWG

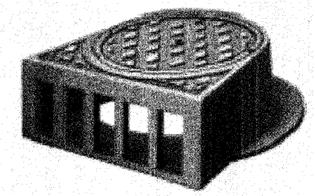
SAG FRAME & LID

Sag Frame and Lid shall be Neenah Foundry Company #R-3305 or equal.

R-3305 Catch Basin Frame and Lid

For behind-the-curb construction.
Heavy-Duty
Total weight 937 Kilograms (425 lbs.)

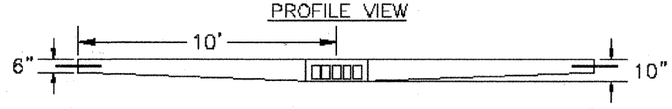




PLAN VIEW

Note: Plan and profile not to scale

PROFILE VIEW



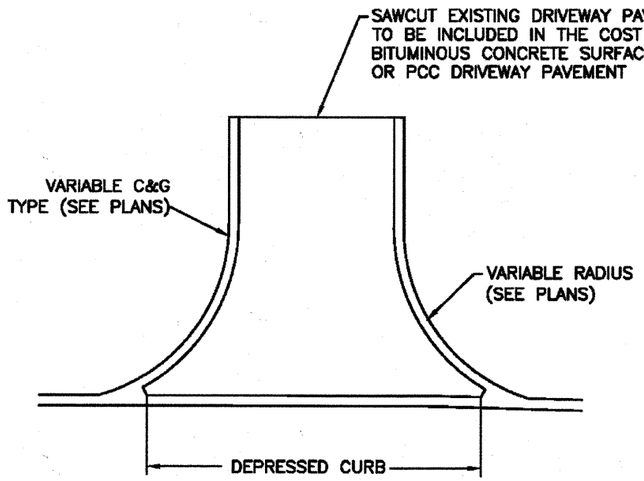
FILE NAME = F:\451-038 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-038-sht-county_details.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = alarson	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - DC	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
	PLOT DATE = 9/13/2011	DATE - 9/08/11	REVISED -	

DUPAGE COUNTY DETAILS
75TH STREET

SCALE: NONE | SHEET NO. 135 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	135
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



BITUMINOUS DRIVEWAY

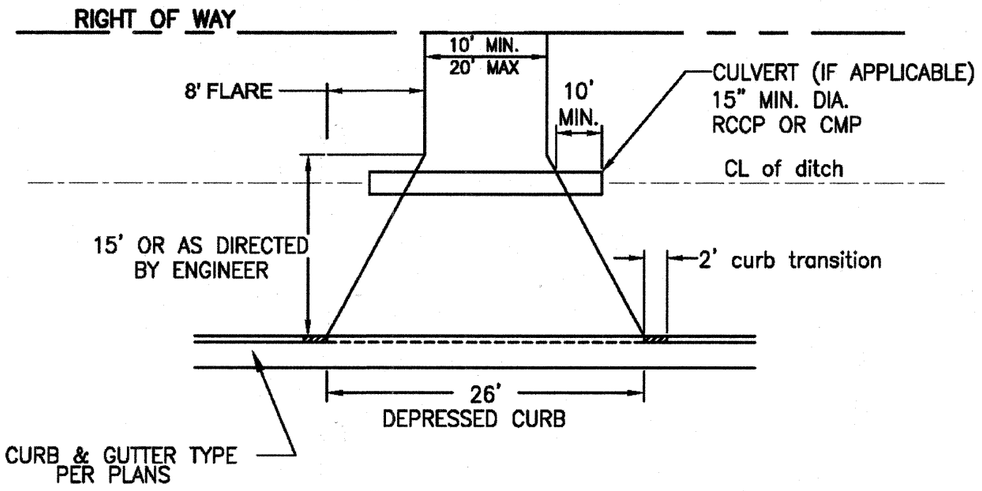
1 1/2" HOT MIX ASPHALT SURFACE COURSE N50
8" HOT MIX ASPHALT BASE COURSE,
6" AGGREGATE BASE COURSE, TYPE B

PCC DRIVEWAY

8" PCC DRIVEWAY PAVEMENT
6" AGGREGATE BASE COURSE, TYPE B

COMMERCIAL DRIVEWAY DETAIL

DUPAGE COUNTY DIVISION OF TRANSPORTATION
PRIVATE ENTRANCE DETAIL



BITUMINOUS DRIVEWAY

8" Aggregate Base Course, Type B
2" Bituminous Concrete Binder Course (Superpave Mix)
1" Bituminous Concrete Surface Course (Superpave Mix)

PCC DRIVEWAY

7" PCC Driveway Pavement (Class PV)
8" Aggregate Base Course, Type B

\\...\Driveway - residential.dwg
09-23-08

FILE NAME = F:\451-038 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-038-sht-county_details.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

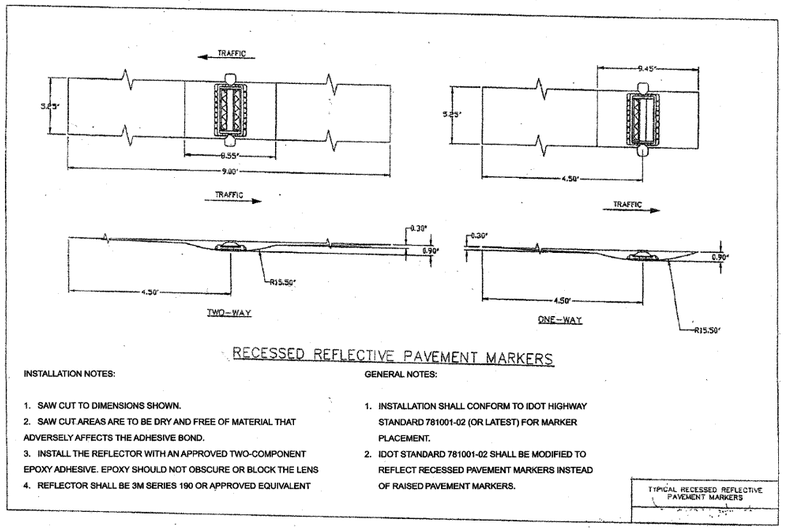
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE COUNTY DETAILS
75TH STREET

SCALE: NONE | SHEET NO. 136 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	136
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



RECESSED REFLECTIVE PAVEMENT MARKERS

INSTALLATION NOTES:

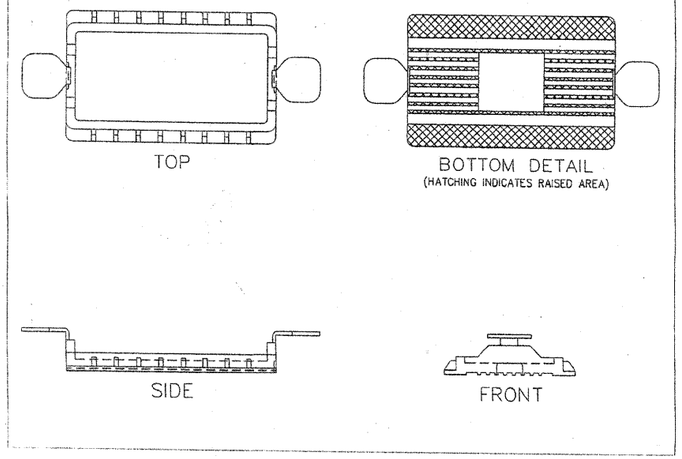
1. SAW CUT TO DIMENSIONS SHOWN.
2. SAW CUT AREAS ARE TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS
4. REFLECTOR SHALL BE 3M SERIES 190 OR APPROVED EQUIVALENT

GENERAL NOTES:

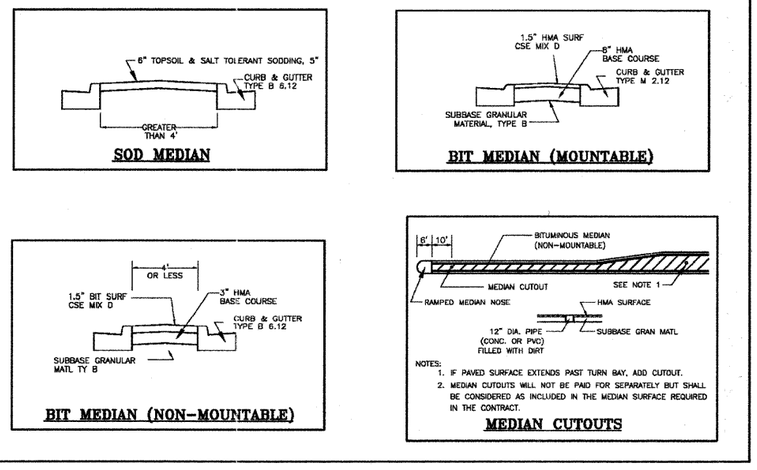
1. INSTALLATION SHALL CONFORM TO IDOT HIGHWAY STANDARD 781001-02 (OR LATEST) FOR MARKER PLACEMENT.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

TYPICAL RECESSED REFLECTIVE PAVEMENT MARKERS

REFLECTOR HOLDER



MEDIAN DETAILS



FILE NAME = F:\451-030 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-030-sht-county_details.dgn

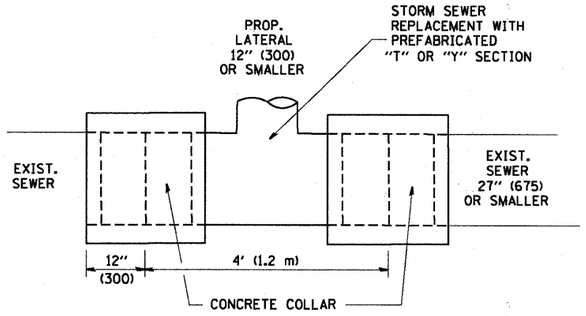
Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = alarson	DESIGNED - GJE	REVISED -	
		DRAWN - DC	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JP	REVISED -	
	PLOT DATE = 9/13/2011	DATE - 9/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE COUNTY DETAILS
75TH STREET

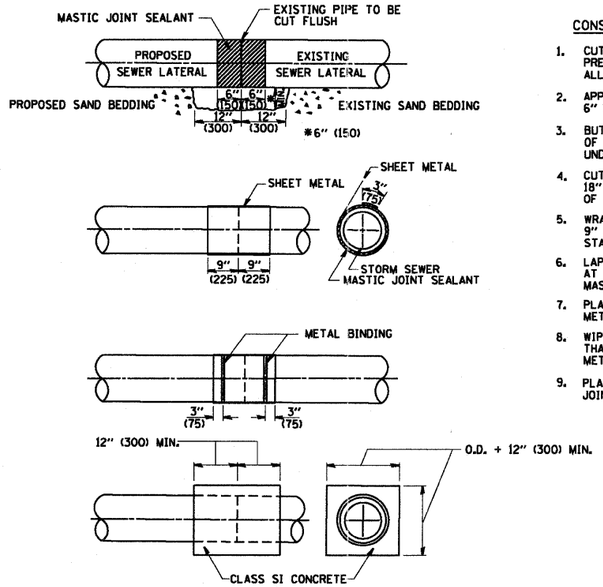
SCALE: NONE | SHEET NO. 137 OF 198 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DuPAGE	198	137
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

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

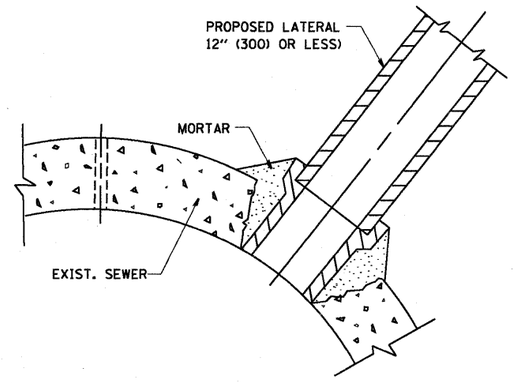


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. 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

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

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 PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

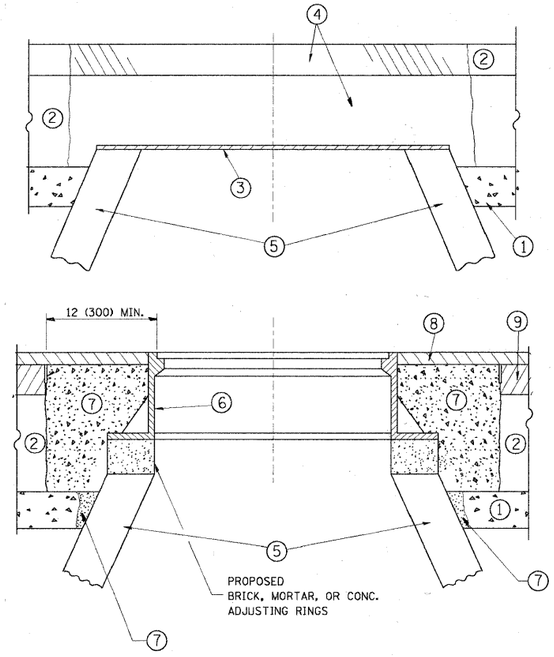
FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	138
	BD500-01 (BD-7)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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 1½ (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 PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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 PP-1* CONCRETE
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

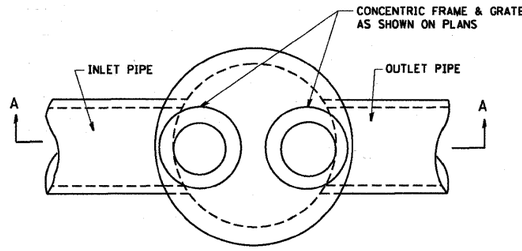
FILE NAME = c:\pw_work\pwidot\layse\d0106315\bd08.dgn	USER NAME = layse	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97
		DRAWN -	REVISED - R. WIEDEMAN 05-14-04
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 3/18/2011	DATE - 10-25-94	REVISED - R. BORO 03-09-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

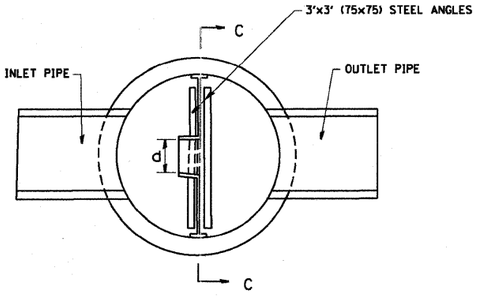
DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

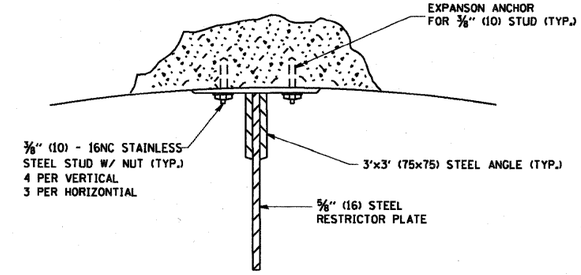
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	139
	BD600-03 (BD-8)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



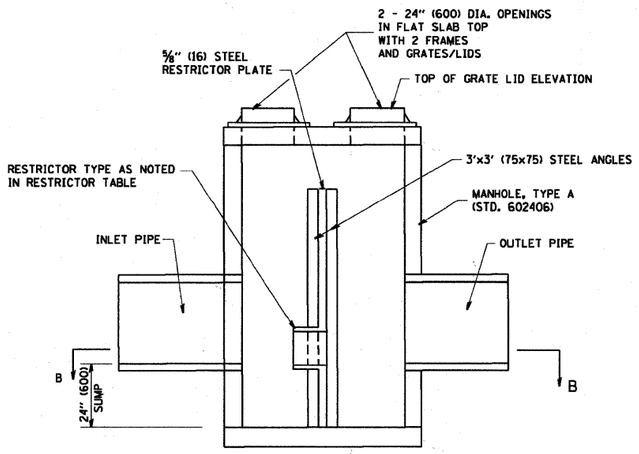
PLAN



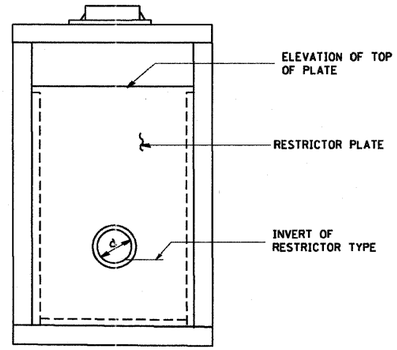
SECTION B-B



ANGLE FASTENER DETAIL



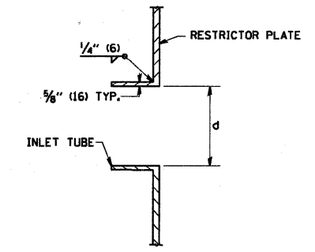
SECTION A-A



SECTION C-C

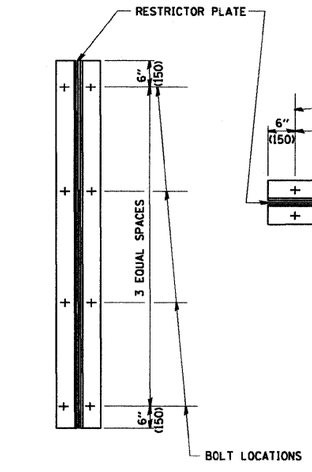
NOTES:

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 ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH

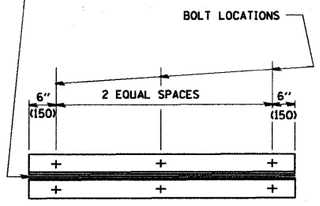


INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
527+32.95	6"	CL	2	4	772.79	766.46
529+74.98	6"	CL	2	2.14	772.03	775.86
	6"	CL	2	6.9	773.71	775.86
532+03.14	6"	CL	2	7.4	769.94	774
540+37.95	6"	CL	2	7.9	763.35	767.81
541+57.71	6"	6" F&G	2	24	763.17	766.8
542+66.01	6"	CL	2	6.7	763.63	768.88
559+33.00	6"	CL	2	11.5	760.96	765.59
	6"	CL	2	24	763.52	765.59
560+04.04	6"	CL	2	9	761	765.87
	6"	CL	2	1.61	763.17	765.87



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL



TYPICAL HORIZONTIAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x⅜ (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTIAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: ½ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-½ DIA.	LENGTH: 2-½ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

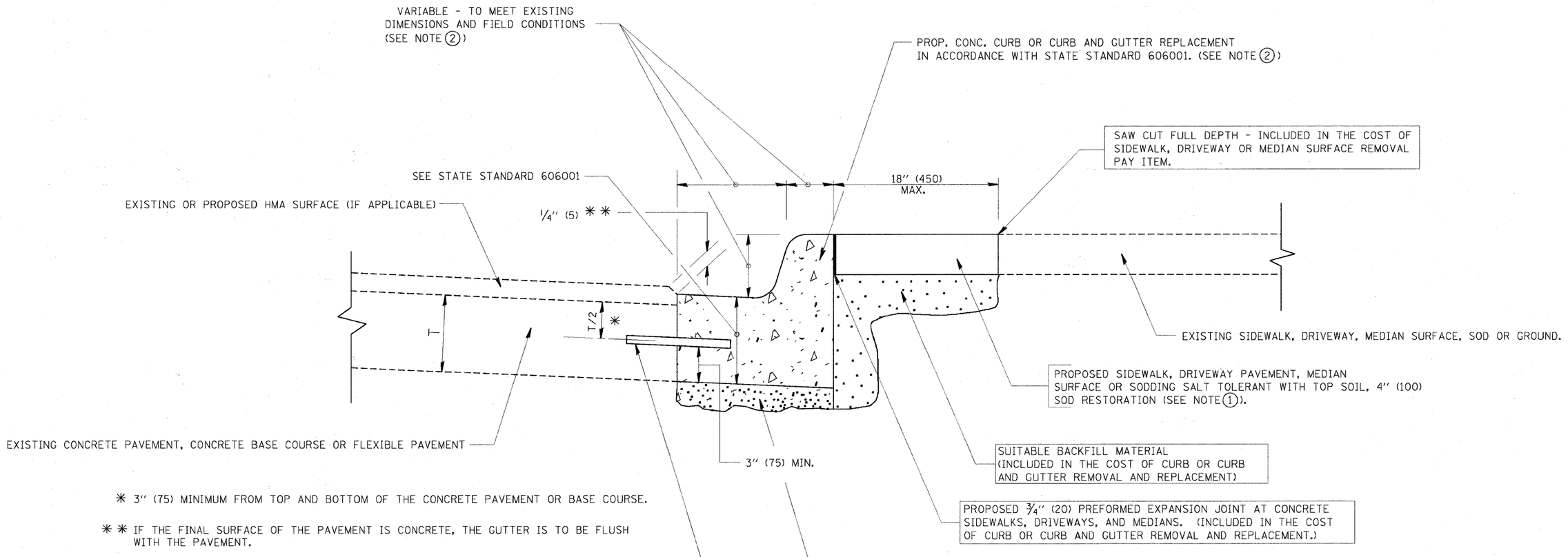
FILE NAME = W:\diststd\22x34\bd12.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	140
	BD600-04 (BD-12)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

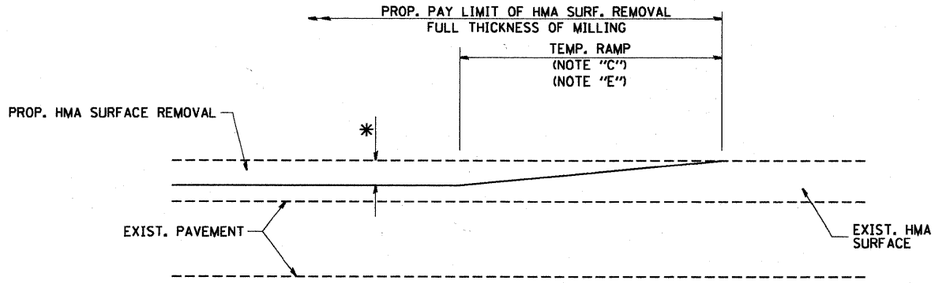
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = c:\pw_work\pwidot\drivakosgn\d0188315\bd24.dgn	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 12/15/2009	CHECKED -	REVISED - M. GOMEZ 01-22-01		
		DATE - 03-11-94	REVISED - R. BORO 12-15-09		

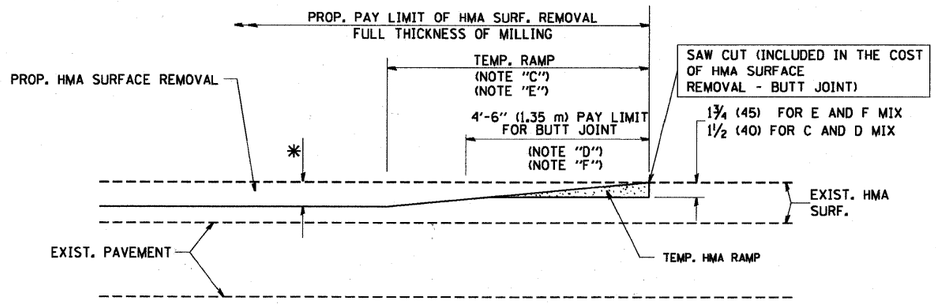
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	141
	BD600-06 (BD-24)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

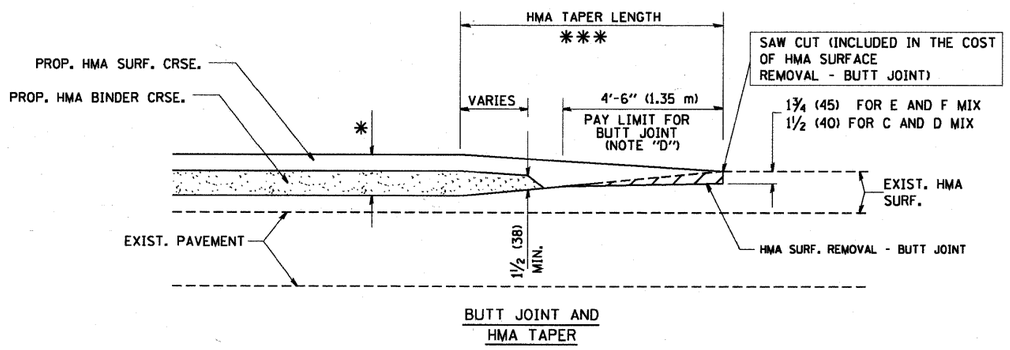


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

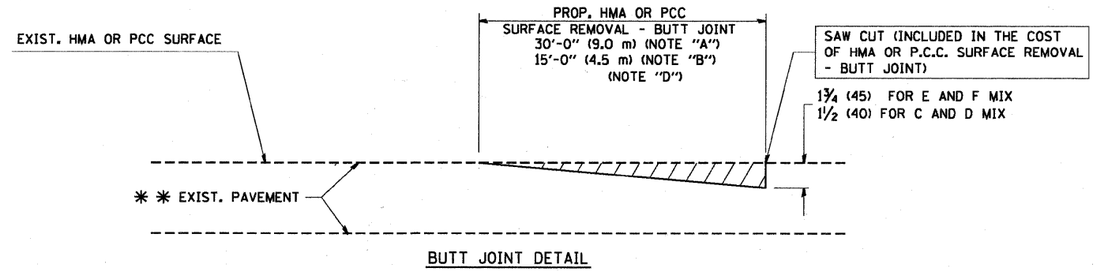
OPTION 2

TYPICAL TEMPORARY RAMP

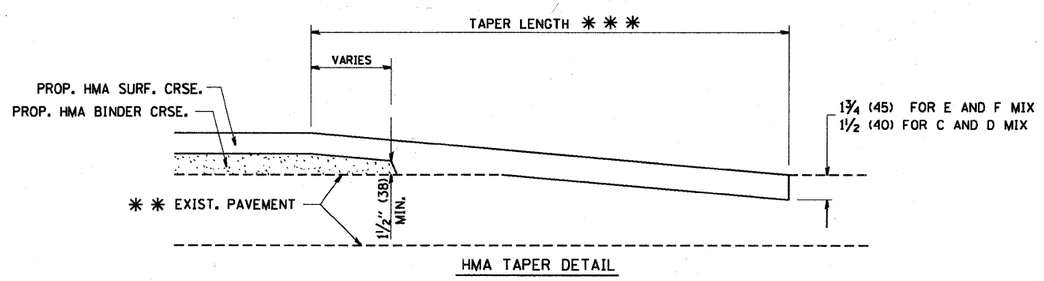


BUTT JOINT AND HMA TAPER

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")

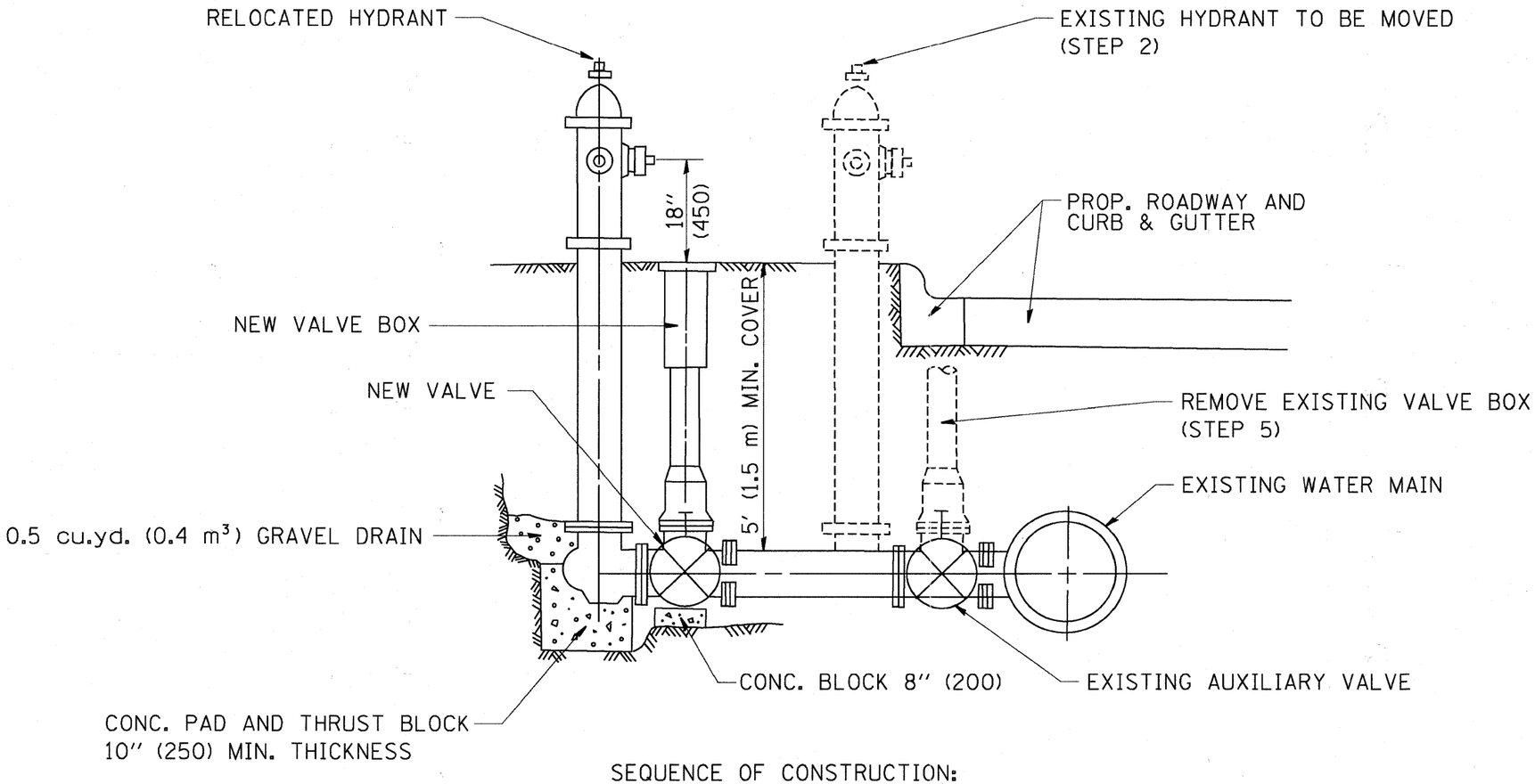
BASIS OF PAYMENT:

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".

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

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
		DRAWN -	REVISED - A. ABBAS 03-21-97		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	142
	BD400-05 BD32	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION:

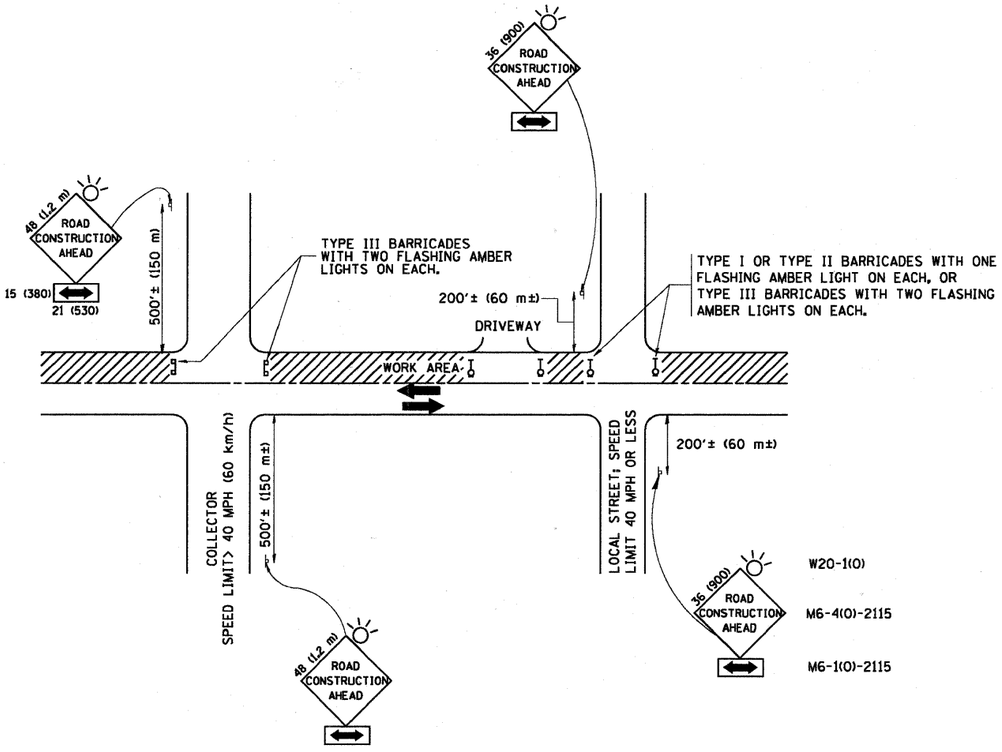
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

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.

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 10-25-94							07-00232-04-DR	DUPAGE	198	143
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -							BD-36	CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

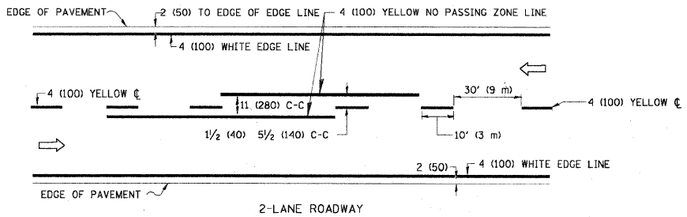
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

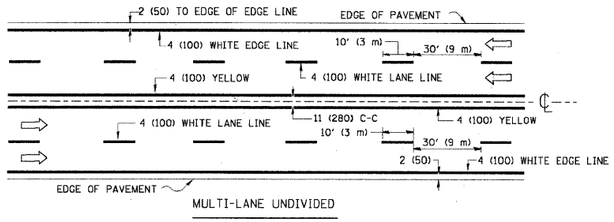
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

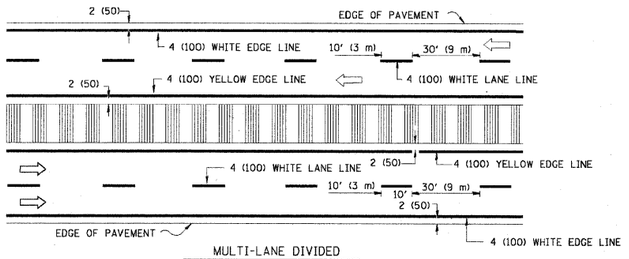
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	144
	TC-10	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



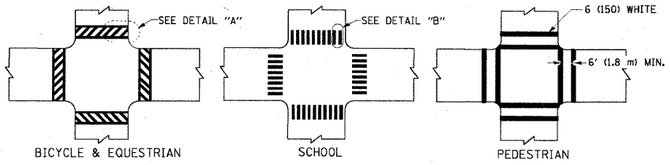
MULTI-LANE UNDIVIDED

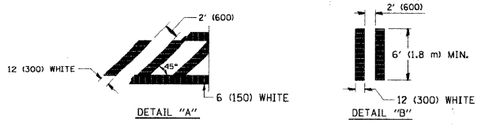


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

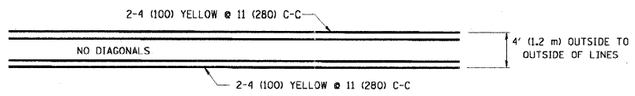
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

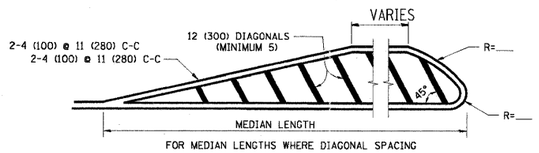




TYPICAL CROSSWALK MARKING



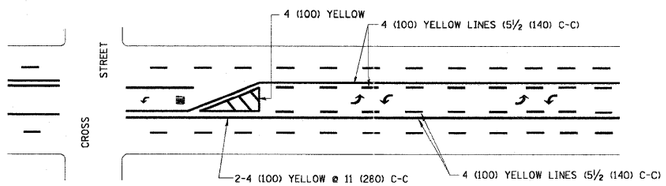
4' (1.2 m) WIDE MEDIANS ONLY



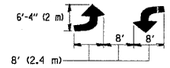
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

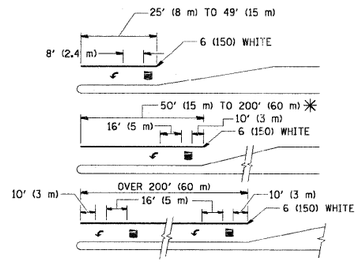


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

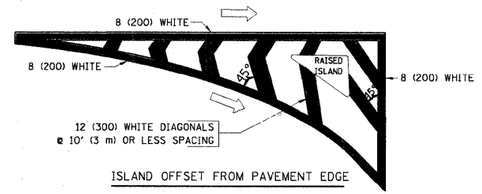


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

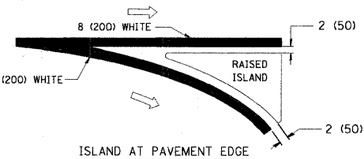
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

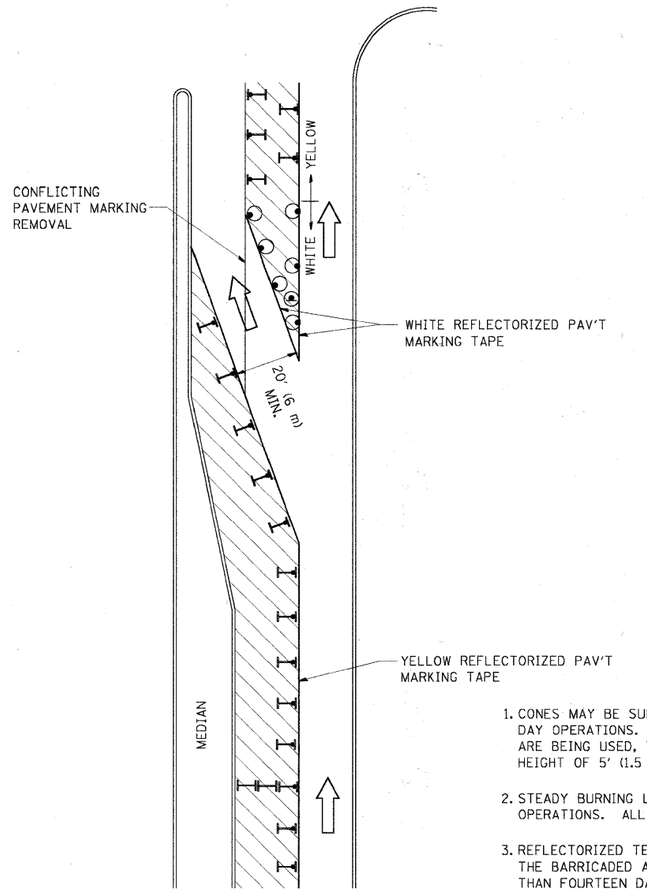
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE 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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	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" IS 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))

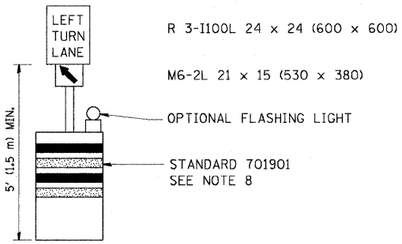
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME = c:\pw_work\pwidot\drivekosgn\d0108315\ta13.dgn	USER NAME = drivekosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**
		DRAWN -	REVISED -C. JUCIUS 09-09-09		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	145
	TC-13	CONTRACT NO.		
FED. ROAD DIST. NO. 1	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 OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. 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

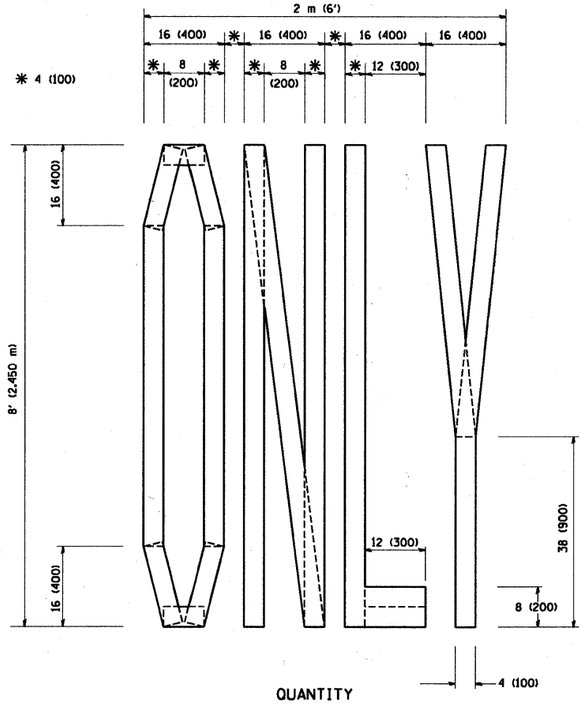
FILE NAME = c:\pw_work\PWIDOT\DRIVAKOSGN\d0108315\tc14.dgn	USER NAME = drivakosgn	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	PLOT SCALE = 49.9999 '/ IN.	REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT DATE = 9/14/2009	REVISED - A. HOUSEH 10-12-96	REVISED -
		REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

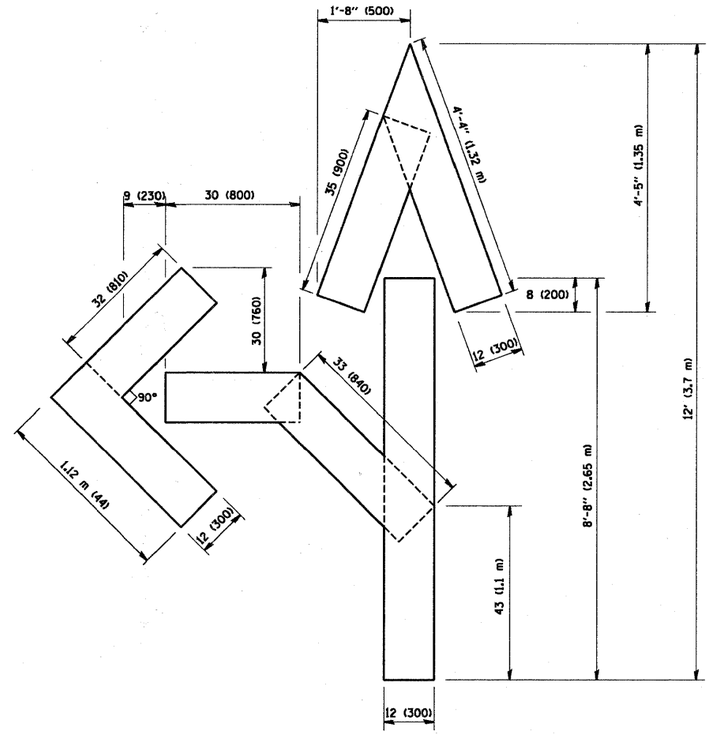
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

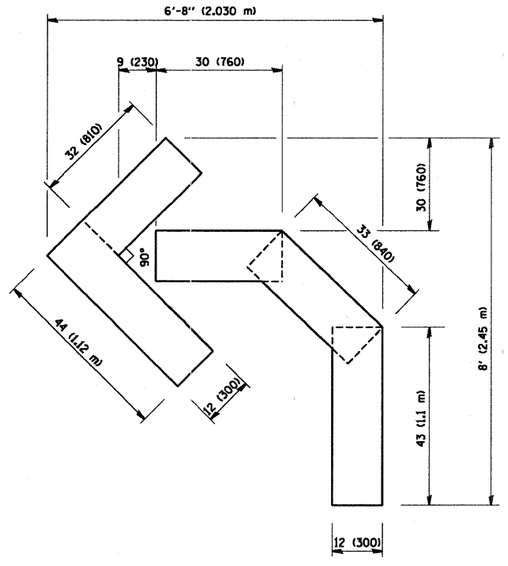
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	146
	TC-14	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



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



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

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

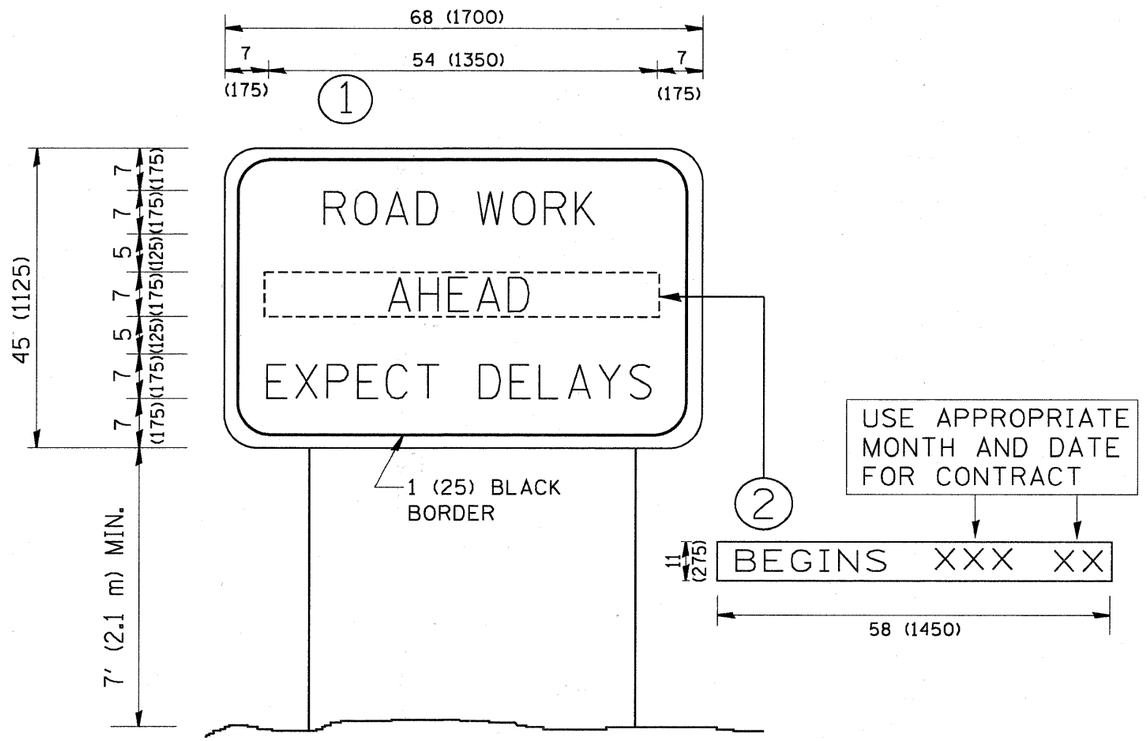
FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	147
	TC-16	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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.

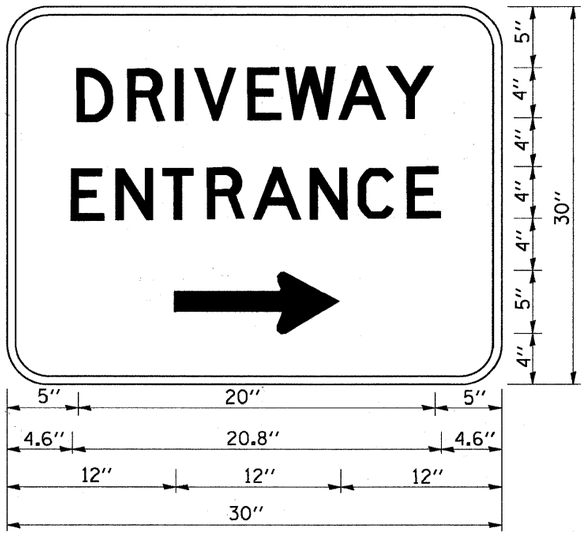
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	148
	TC-22	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME = W:\diststd\22x34\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING
		DRAWN -	REVISED -		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 1/4/2008	DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00232-04-DR	DUPAGE	198	149
	TC-26	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770

EX. ROW

114.33

PROP. T.E.

503 + 00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	2 CY	98 CY	21 CY
STAGE 3	0 CY	0 CY	0 CY

785 780 775 770

EX. ROW

PROP. T.E.

502 + 00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	14 CY	3 CY	12 CY
STAGE 3	0 CY	0 CY	0 CY

785 780 775 770

EX. ROW

PROP. T.E.

501 + 00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	0 CY	12 CY	14 CY
STAGE 3	0 CY	0 CY	0 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallvanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

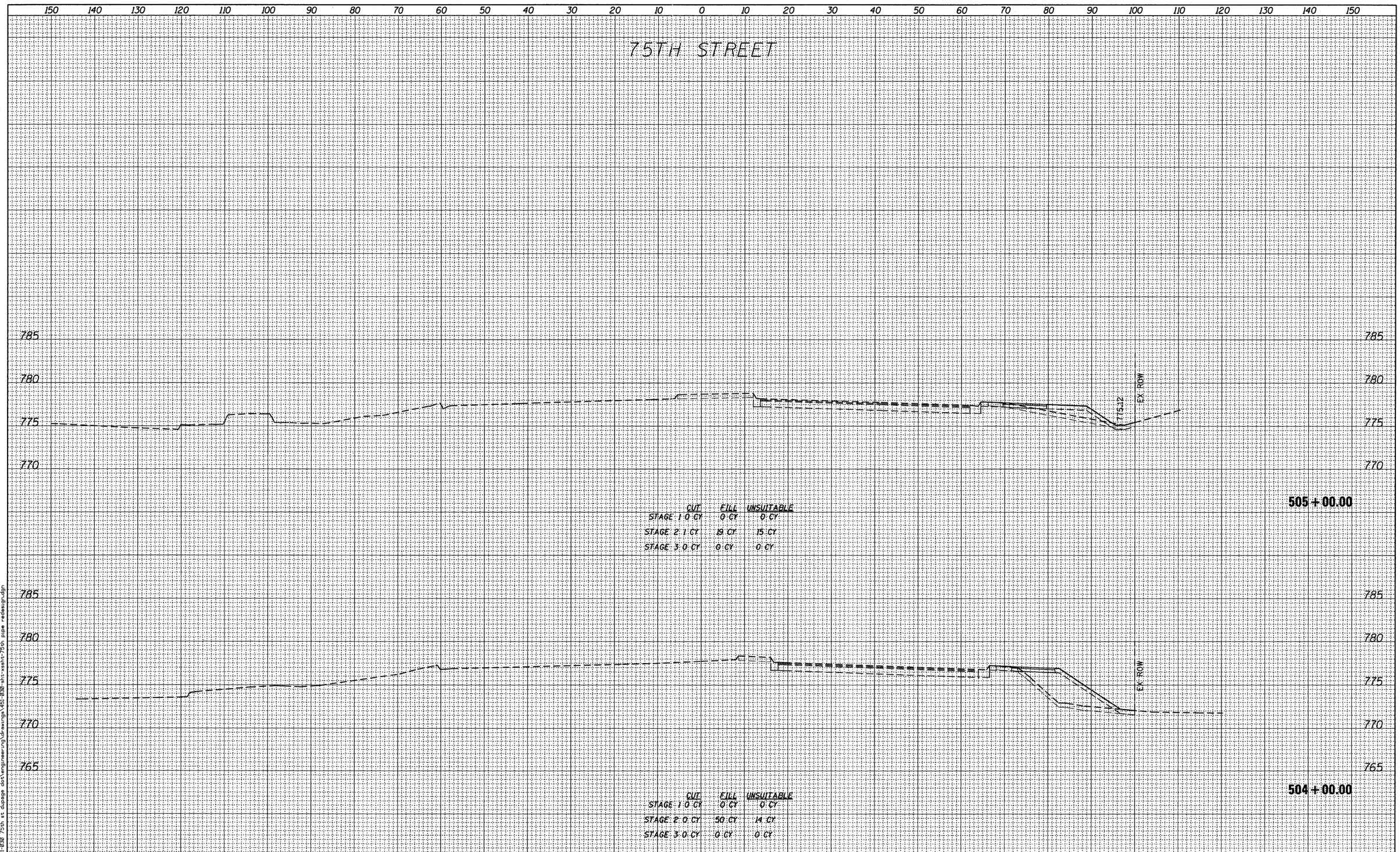
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 150 OF 198 SHEETS
STA. 501+00.00 TO STA. 503+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	150
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

75TH STREET



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	1 CY	19 CY	15 CY
STAGE 3	0 CY	0 CY	0 CY

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	0 CY	50 CY	14 CY
STAGE 3	0 CY	0 CY	0 CY

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 151 OF 198 SHEETS
STA. 504+00.00 TO STA. 505+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	151
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770

℄

779.19 — 779.20

EX ROW

2" GAS

8" WM

774.50

36" WM

8" Ex. Tel

2-8" ELECTRIC TRANSMISSION LINE

775.50

8" GAS

EX ROW

16" WM

507+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	10 CY	14 CY	16 CY
STAGE 2	32 CY	39 CY	17 CY
STAGE 3	26 CY	58 CY	6 CY

785 780 775 770

℄

778.82 — 778.82

EX ROW

2" GAS

8" WM

36" WM

8" Ex. Tel

2-8" ELECTRIC TRANSMISSION LINE

775.38

GAS

EX ROW

PROP. T.E.

16" WM

506+60.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	61 CY	36 CY	24 CY
STAGE 3	0 CY	55 CY	0 CY

785 780 775 770

776.85

EX ROW

PROP. T.E.

18" STORM

506+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	1 CY	20 CY	13 CY
STAGE 3	0 CY	0 CY	0 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

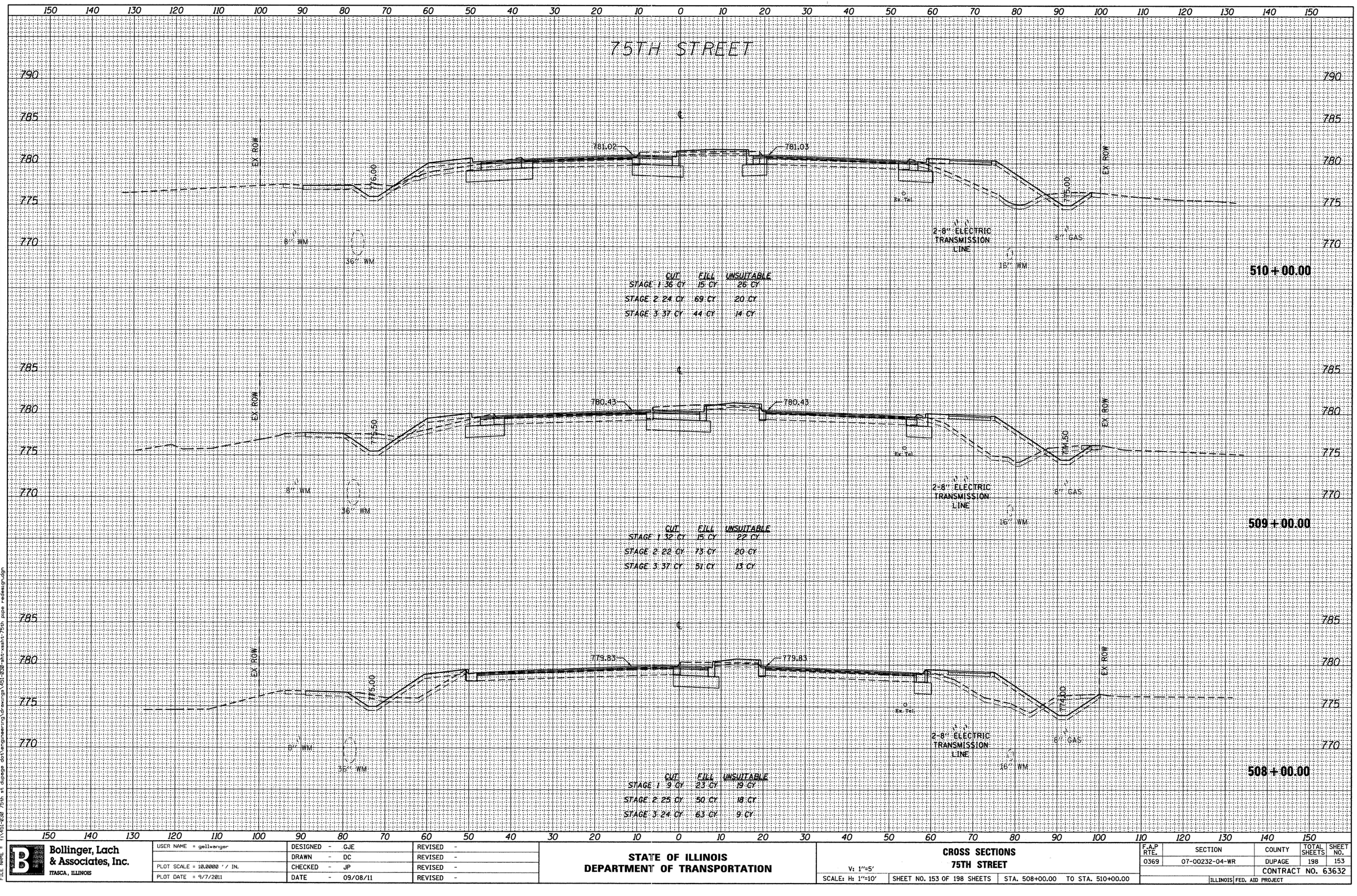
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 152 OF 198 SHEETS
STA. 506+00.00 TO STA. 507+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	152
		CONTRACT NO. 63632		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

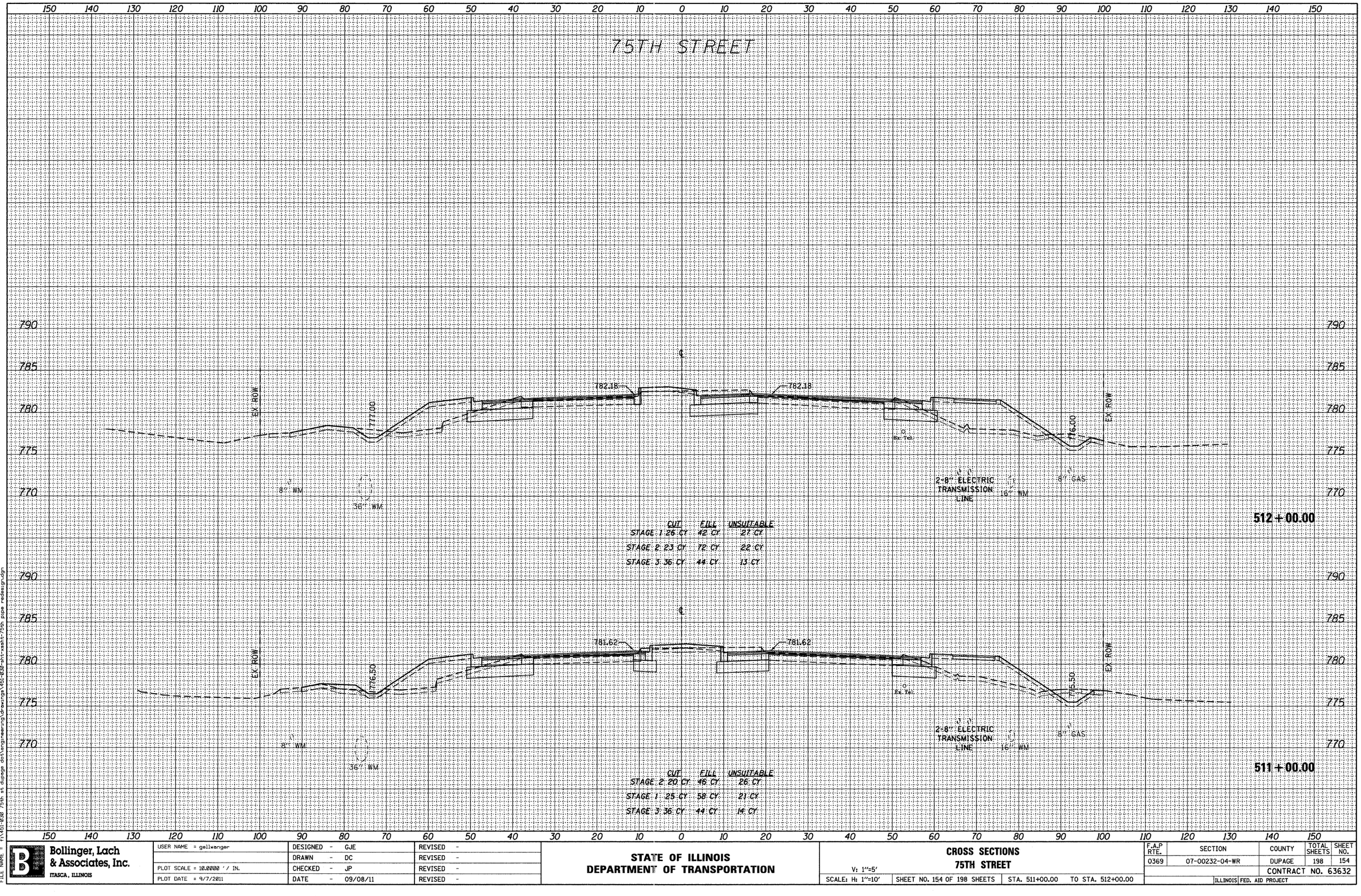
CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 153 OF 198 SHEETS
STA. 508+00.00 TO STA. 510+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	153
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

75TH STREET



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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsshts-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 154 OF 198 SHEETS
STA. 511+00.00 TO STA. 512+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	154
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\Drawings\451-030-sht-xsht-75th pipe redesign.dgn

75TH STREET

514+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	27 CY	33 CY	25 CY
STAGE 2	21 CY	85 CY	21 CY
STAGE 3	36 CY	48 CY	9 CY

513+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	23 CY	41 CY	28 CY
STAGE 2	27 CY	82 CY	23 CY
STAGE 3	32 CY	49 CY	9 CY

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 155 OF 198 SHEETS
STA. 513+00.00 TO STA. 514+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	155
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

790
785
780
775
770

DEVERAUX ROAD

℄

784.20

784.20

4.6%

4.1%

COMMERCIAL DRIVEWAY

EX ROW

515+81.72

	CUT	FILL	UNSUITABLE
STAGE 1	12 CY	56 CY	0 CY
STAGE 2	20 CY	15 CY	0 CY
STAGE 3	0 CY	64 CY	0 CY

EX ROW

℄

783.67

783.67

6" DIP

Ex. Tel.

12" WM

30" WM

2-8" ELECTRIC TRANSMISSION LINE

16" WM

8" CAS

EX ROW

515+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	52 CY	27 CY	26 CY
STAGE 2	27 CY	69 CY	21 CY
STAGE 3	38 CY	47 CY	10 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 156 OF 198 SHEETS
STA. 515+00.00 TO STA. 515+81.72

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	156
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

790 785 780 775

℄

EX. ROW

785.16 — 785.16

780.00

2" GAS

12" WM

36" WM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

16" WM

8" GAS

779.00

EX. ROW

36" STORM

	CUT	FILL	UNSUITABLE
STAGE 1	31 CY	29 CY	26 CY
STAGE 2	21 CY	75 CY	21 CY
STAGE 3	41 CY	47 CY	10 CY

518 + 00.00

790 785 780 775

℄

EX. ROW

784.83 — 784.83

784.50

2" GAS

12" WM

36" WM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

16" WM

8" GAS

784.50

EX. ROW

	CUT	FILL	UNSUITABLE
STAGE 1	34 CY	31 CY	26 CY
STAGE 2	35 CY	64 CY	21 CY
STAGE 3	36 CY	50 CY	9 CY

517 + 00.00

790 785 780 775

DEVEREAUX ROAD

℄

EX. ROW

784.31 — 784.31

4.6%

4.1%

2" GAS

15" STORM

12" WM

36" WM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

16" WM

15" STORM

781.34

EX. ROW

	CUT	FILL	UNSUITABLE
STAGE 1	12 CY	38 CY	16 CY
STAGE 2	23 CY	20 CY	14 CY
STAGE 3	0 CY	64 CY	0 CY

516 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsslt-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 157 OF 198 SHEETS
STA. 516+00.00 TO STA. 518+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	157
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

790 785 780 775

℄

784.79 784.79

EX ROW

784.00

780.00

EX ROW

2" GAS

12" WM

36" WM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

8" GAS

16" WM

36" STORM

520+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	39 CY	7 CY	25 CY
STAGE 2	41 CY	23 CY	21 CY
STAGE 3	44 CY	39 CY	15 CY

COMMERCIAL DRIVEWAY

790 785 780 775

℄

785.18

5.8%

EX ROW

519+30.85

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	17 CY	16 CY	0 CY
STAGE 3	29 CY	22 CY	10 CY

790 785 780 775

℄

785.27 785.27

EX ROW

784.00

780.50

EX ROW

Ex Tel

2" GAS

12" WM

36" WM

2-8" ELECTRIC TRANSMISSION LINE

8" GAS

16" WM

36" STORM

519+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	24 CY	28 CY	26 CY
STAGE 2	30 CY	45 CY	21 CY
STAGE 3	46 CY	44 CY	13 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

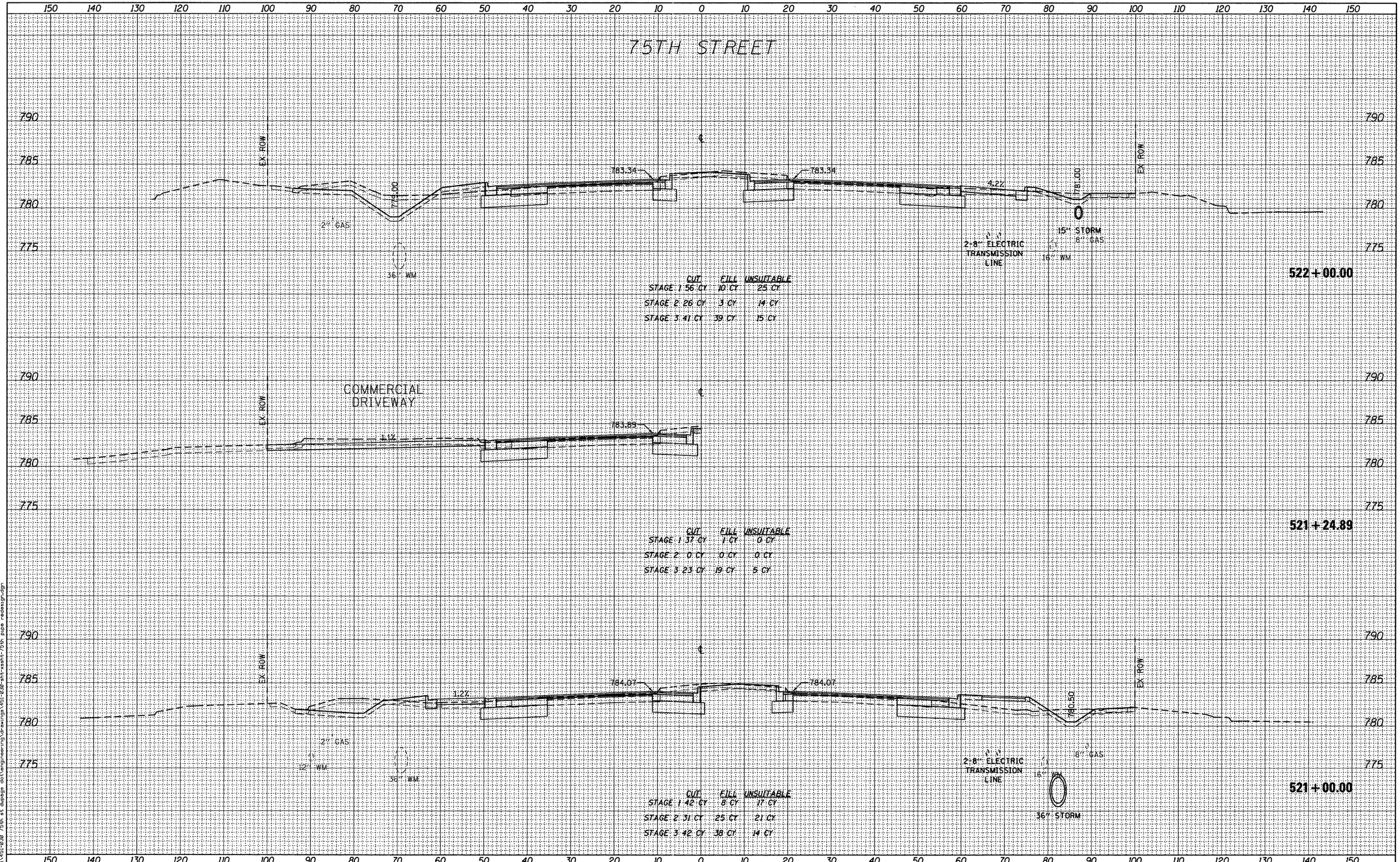
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 158 OF 198 SHEETS
STA. 519+00.00 TO STA. 520+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	158
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-ent-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

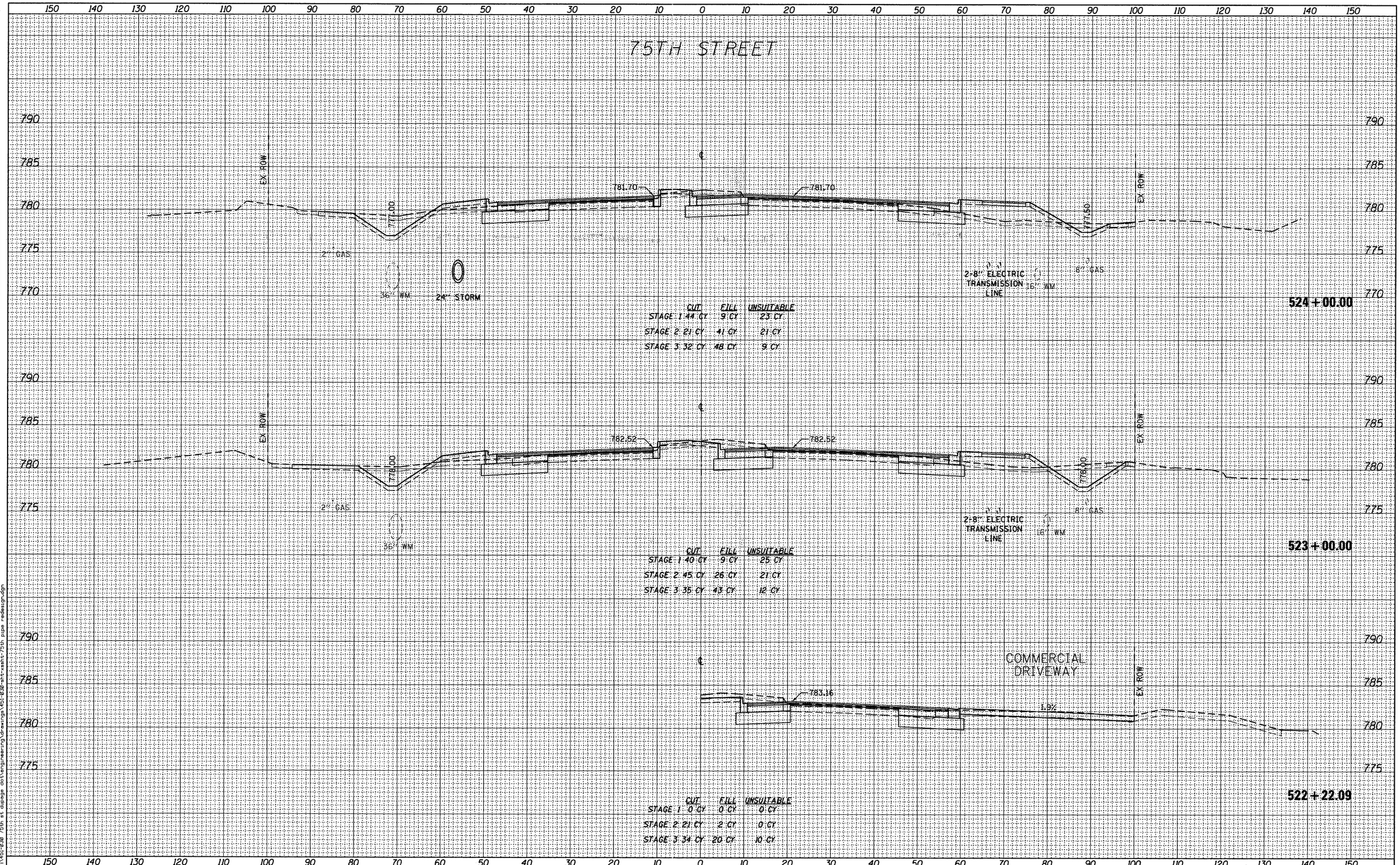
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 159 OF 198 SHEETS
STA. 521+00.00 TO STA. 522+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	159
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

75TH STREET



	CUT	FILL	UNSUITABLE
STAGE 1	44 CY	9 CY	23 CY
STAGE 2	21 CY	41 CY	21 CY
STAGE 3	32 CY	48 CY	9 CY

524+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	40 CY	9 CY	25 CY
STAGE 2	45 CY	26 CY	21 CY
STAGE 3	35 CY	43 CY	12 CY

523+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	21 CY	2 CY	0 CY
STAGE 3	34 CY	20 CY	10 CY

522+22.09

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

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

FILE NAME = f:\451-030 75th st dupage dc\engineering\drawings\451-030-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 160 OF 198 SHEETS
STA. 522+22.09 TO STA. 524+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	160
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770

GROVE S.C.

℄

ZIEGFIELD
TROY

779.41 — 779.41 — 3.0% — EX ROW

526+79.28

	CUT	FILL	UNSUITABLE
STAGE 1	12 CY.	5 CY.	0 CY.
STAGE 2	15 CY.	1 CY.	0 CY.
STAGE 3	0 CY.	76 CY.	0 CY.

785 780 775 770

EX ROW — 775.99 — 780.06 — 780.06 — 776.50 — EX ROW

2" GAS — 36" WM — 24" STORM — 36" STORM — 2-8" ELECTRIC TRANSMISSION LINE — 8" WM — 8" GAS

526+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	37 CY.	6 CY.	20 CY.
STAGE 2	18 CY.	44 CY.	21 CY.
STAGE 3	31 CY.	58 CY.	9 CY.

785 780 775 770

EX ROW — 776.00 — 780.88 — 780.88 — 777.00 — EX ROW

2" GAS — 36" WM — 24" STORM — 36" STORM — 2-8" ELECTRIC TRANSMISSION LINE — 16" WM — 8" GAS

525+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	38 CY.	4 CY.	20 CY.
STAGE 2	19 CY.	50 CY.	21 CY.
STAGE 3	32 CY.	58 CY.	9 CY.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = f:\451-030 75th st dupage dc\engineering\drawings\451-030-aht-xsaht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

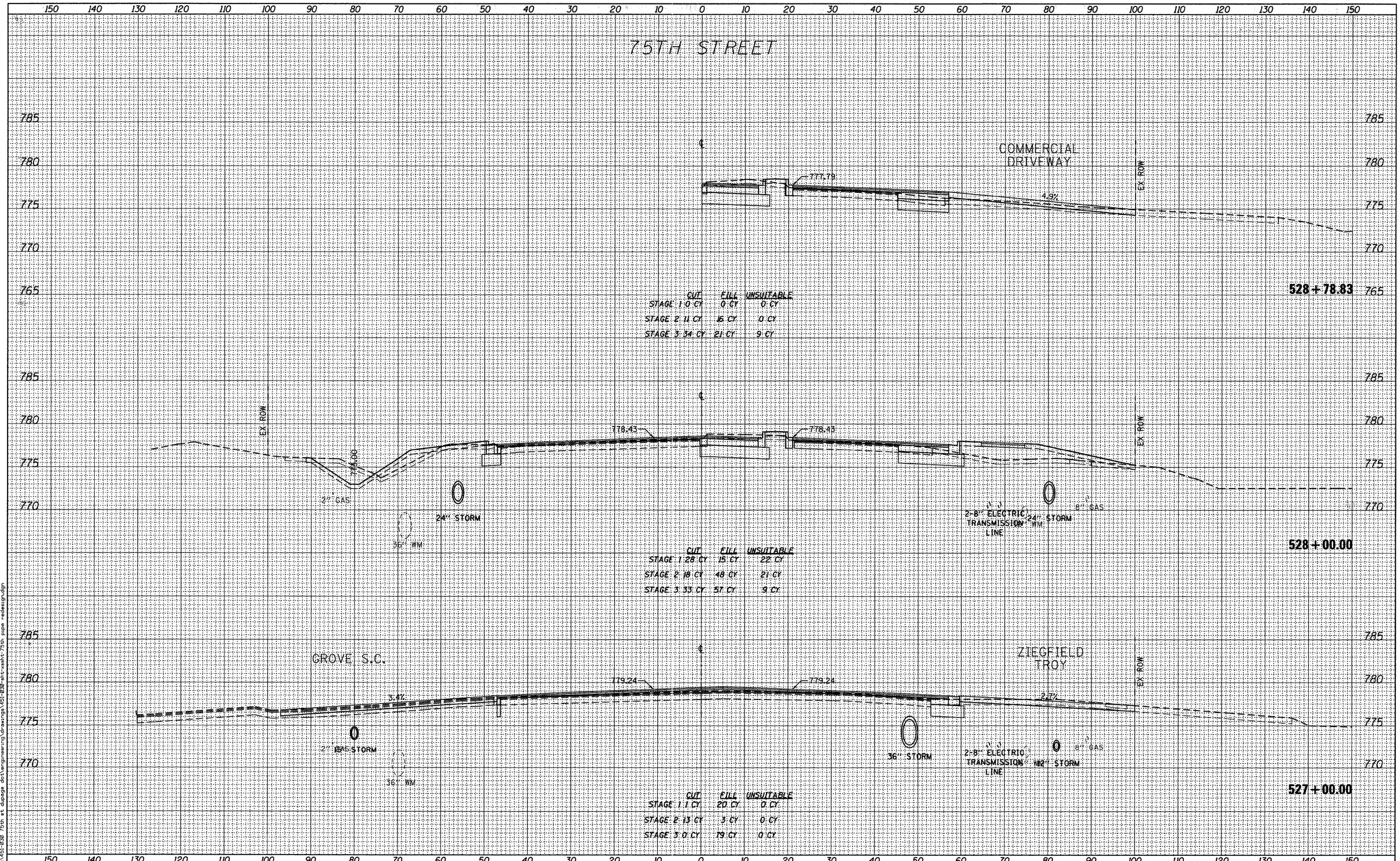
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 161 OF 198 SHEETS
STA. 525+00.00 TO STA. 526+79.28

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	161
		CONTRACT NO. 63632		
		ILLINOIS	FED. AID PROJECT	

75TH STREET



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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

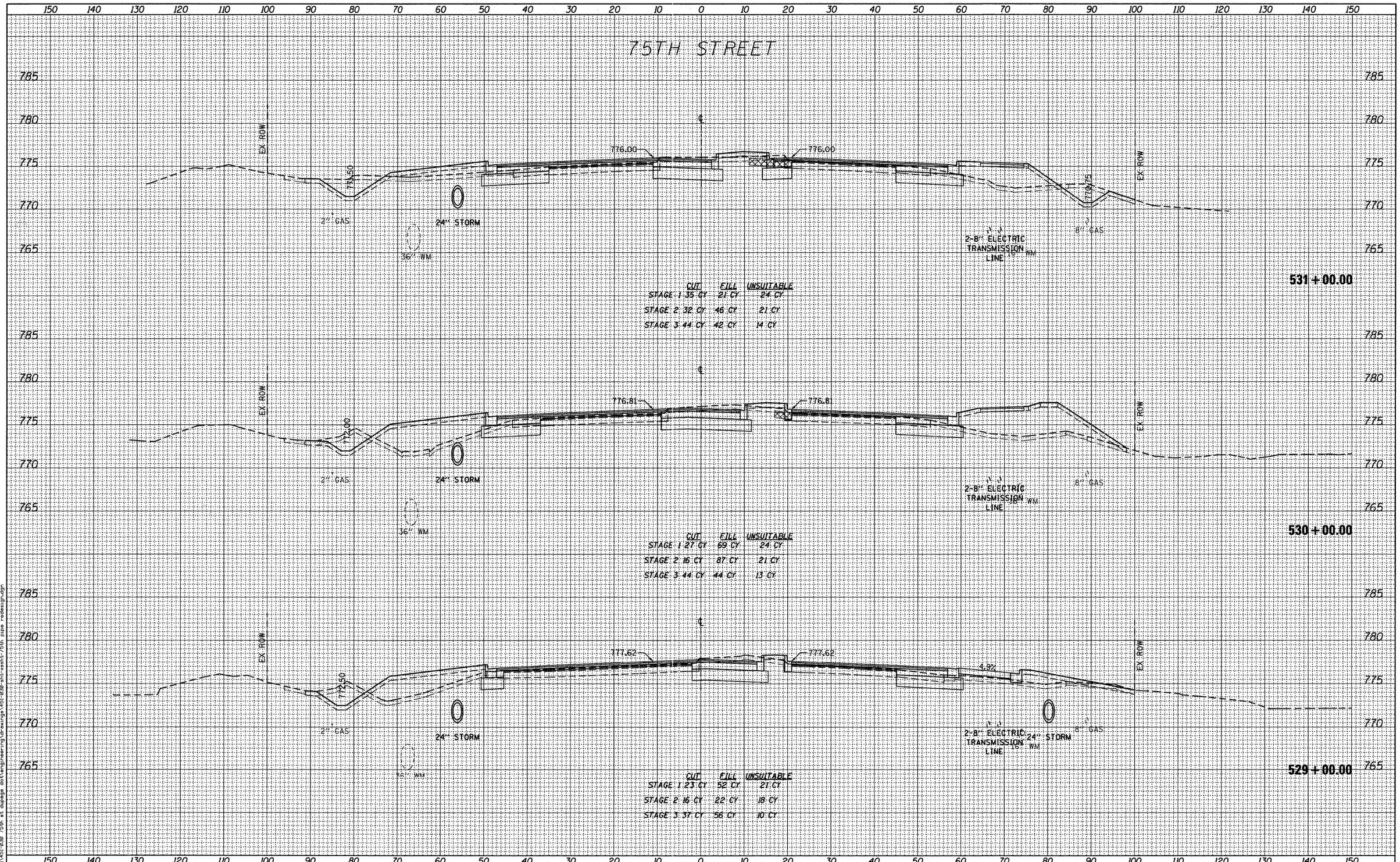
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 162 OF 198 SHEETS | STA. 527+00.00 TO STA. 528+78.83

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	162
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

75TH STREET



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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsshts-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 75TH STREET
		DRAWN - DC	REVISED -		
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -		V: 1"=5'
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -		SCALE: H: 1"=10' SHEET NO. 163 OF 198 SHEETS STA. 529+00.00 TO STA. 531+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	163
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

780 775 770 765

℄

EX ROW

773.52 773.52

769.00

763.50

2" GAS

8" GAS

36" WM

2-8" ELECTRIC TRANSMISSION LINE

53"x 34" STORM

534+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	43 CY	11 CY	24 CY
STAGE 2	73 CY	11 CY	21 CY
STAGE 3	31 CY	49 CY	9 CY

780 775 770 765

℄

EX ROW

774.37 774.36

770.00

770.00

2" GAS

8" GAS

36" WM

2-8" ELECTRIC TRANSMISSION LINE

53"x 34" STORM

533+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	41 CY	11 CY	24 CY
STAGE 2	50 CY	25 CY	21 CY
STAGE 3	33 CY	46 CY	12 CY

780 775 770 765

℄

EX ROW

775.20 775.19

770.00

770.50

2" GAS

8" GAS

24" STORM

36" WM

2-8" ELECTRIC TRANSMISSION LINE

532+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	40 CY	14 CY	24 CY
STAGE 2	34 CY	37 CY	21 CY
STAGE 3	44 CY	42 CY	14 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-830 75th st dupage do\engineering\drawings\451-830-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

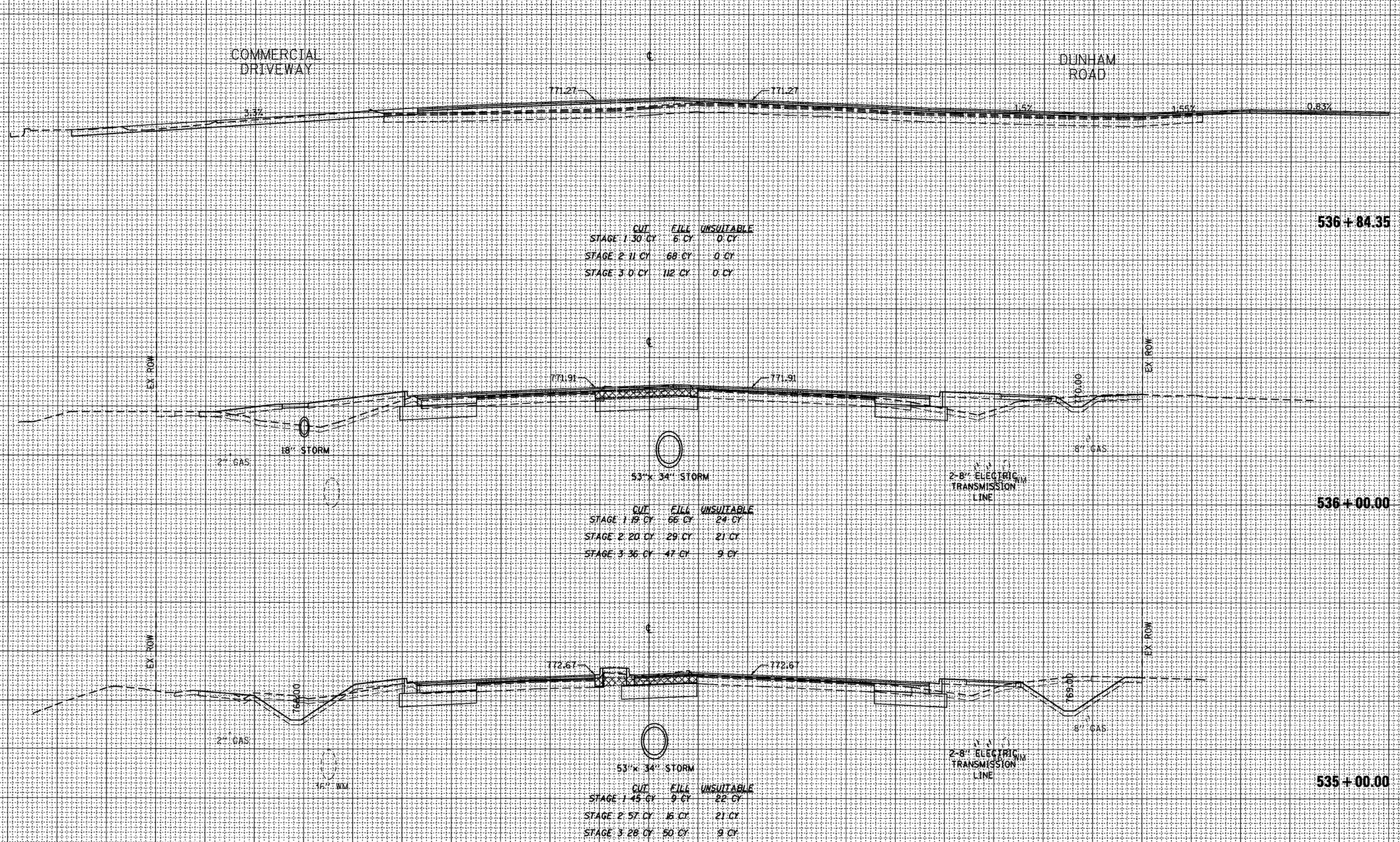
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 164 OF 198 SHEETS
STA. 532+00.00 TO STA. 534+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	164
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

75TH STREET



	CUT	FILL	UNSUITABLE
STAGE 1	30 CY	6 CY	0 CY
STAGE 2	11 CY	68 CY	0 CY
STAGE 3	0 CY	112 CY	0 CY

536+84.35

	CUT	FILL	UNSUITABLE
STAGE 1	19 CY	66 CY	24 CY
STAGE 2	20 CY	29 CY	21 CY
STAGE 3	36 CY	47 CY	9 CY

536+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	45 CY	9 CY	22 CY
STAGE 2	57 CY	16 CY	21 CY
STAGE 3	28 CY	50 CY	9 CY

535+00.00

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

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

FILE NAME = f:\451-838 75th st dupage do\engineering\drawings\451-838-sht-xsht-75th pipe redesgn.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 165 OF 198 SHEETS
STA. 535+00.00 TO STA. 536+84.35

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	165
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-75th pipe redesign.dgn

75TH STREET

EX ROW

770.40

770.40

EX ROW

766.00

767.20

2" GAS

8" GAS

36" WM

53"x 34" STORM

2-8" ELECTRIC TRANSMISSION LINE

538+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	32 CY	8 CY	24 CY
STAGE 2	37 CY	37 CY	21 CY
STAGE 3	27 CY	59 CY	8 CY

COMMERCIAL DRIVEWAY

DUNHAM ROAD

771.16

771.15

3.6%

1.5%

1.5%

0.83%

2" GAS

16" STORM

53"x 34" STORM

8" GAS

36" WM

2-8" ELECTRIC TRANSMISSION LINE

537+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	51 CY	0 CY
STAGE 2	0 CY	73 CY	0 CY
STAGE 3	0 CY	100 CY	0 CY

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

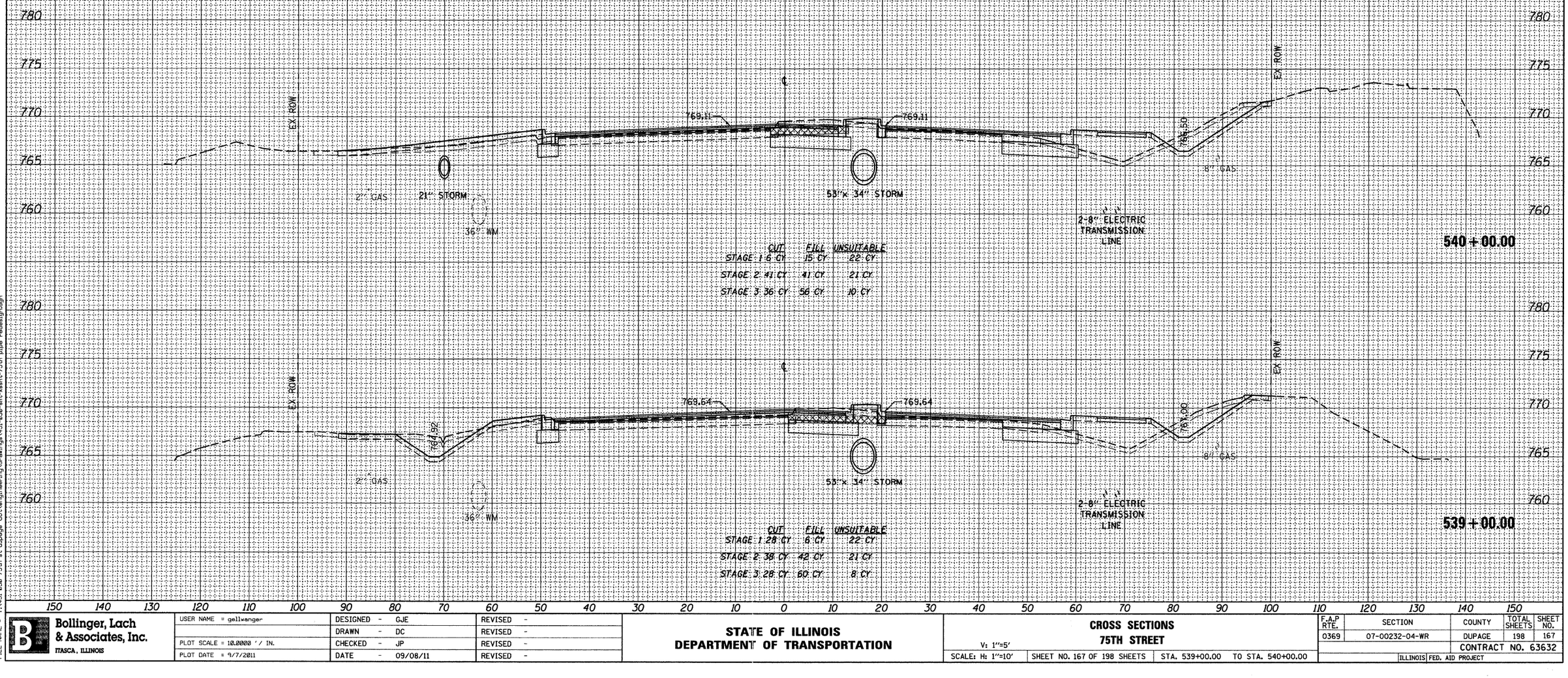
V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 141 OF 198 SHEETS
STA. 537+00.00 TO STA. 538+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	166
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

75TH STREET



CUT	FILL	UNSUITABLE
STAGE 1 6 CY	15 CY	22 CY
STAGE 2 41 CY	41 CY	21 CY
STAGE 3 36 CY	56 CY	10 CY

540 + 00.00

CUT	FILL	UNSUITABLE
STAGE 1 28 CY	6 CY	22 CY
STAGE 2 38 CY	42 CY	21 CY
STAGE 3 28 CY	60 CY	8 CY

539 + 00.00

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

BY	DATE

FILE NAME = f:\451-038 75th st dupage do\engineering\drawings\451-038-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 167 OF 198 SHEETS
STA. 539+00.00 TO STA. 540+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	167
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

75TH STREET

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

780 775 770 765 760

℄

EX. ROW

769.18

769.19

EX. ROW

2" GAS

21" STORM

36" WM

36" STORM

Ex. Tel

8" GAS

2-8" ELECTRIC TRANSMISSION LINE

541+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	4 CY	11 CY	21 CY
STAGE 2	21 CY	61 CY	21 CY
STAGE 3	35 CY	51 CY	13 CY

℄

EX. ROW

769.07

3.9%

540+47.96

	CUT	FILL	UNSUITABLE
STAGE 1	8 CY	23 CY	0 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	11 CY	32 CY	2 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 168 OF 198 SHEETS
STA. 540+47.96 TO STA. 541+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	168
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

780 775 770 765 760

COMMERCIAL DRIVEWAY

EX. ROW

℄

769.97

4.3%

542+14.41

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	34 CY	0 CY	0 CY
STAGE 3	0 CY	5 CY	9 CY

COMMERCIAL DRIVEWAY

EX. ROW

℄

769.85

769.85

4.3%

763.63

2" GAS

36" WM

Ex. TMH

2-8" ELECTRIC TRANSMISSION LINE

STORM

8" GAS

542+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	46 CY	14 CY	22 CY
STAGE 2	24 CY	8 CY	9 CY
STAGE 3	23 CY	52 CY	14 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-xssht-75th pipe radesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 169 OF 198 SHEETS
STA. 542+00.00 TO STA. 542+14.41

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	169
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-75th pipe redesign.dgn

75TH STREET

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

780 775 770 765 760

EX. ROW — 766.83 — 771.51 — ℄ — 771.51 — EX. ROW

2" GAS — 36" WM — 8" GAS — Ex Tel. — 2-8" ELECTRIC TRANSMISSION LINE — 48" STORM

544+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	27 CY	21 CY	24 CY
STAGE 2	99 CY	0 CY	26 CY
STAGE 3	10 CY	38 CY	11 CY

EX. ROW — 765.12 — 770.68 — ℄ — 770.68 — EX. ROW

2" GAS — 36" WM — 8" GAS — Ex Tel. — 48" STORM — 2-8" ELECTRIC TRANSMISSION LINE

543+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	16 CY	53 CY	24 CY
STAGE 2	25 CY	59 CY	23 CY
STAGE 3	15 CY	46 CY	13 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

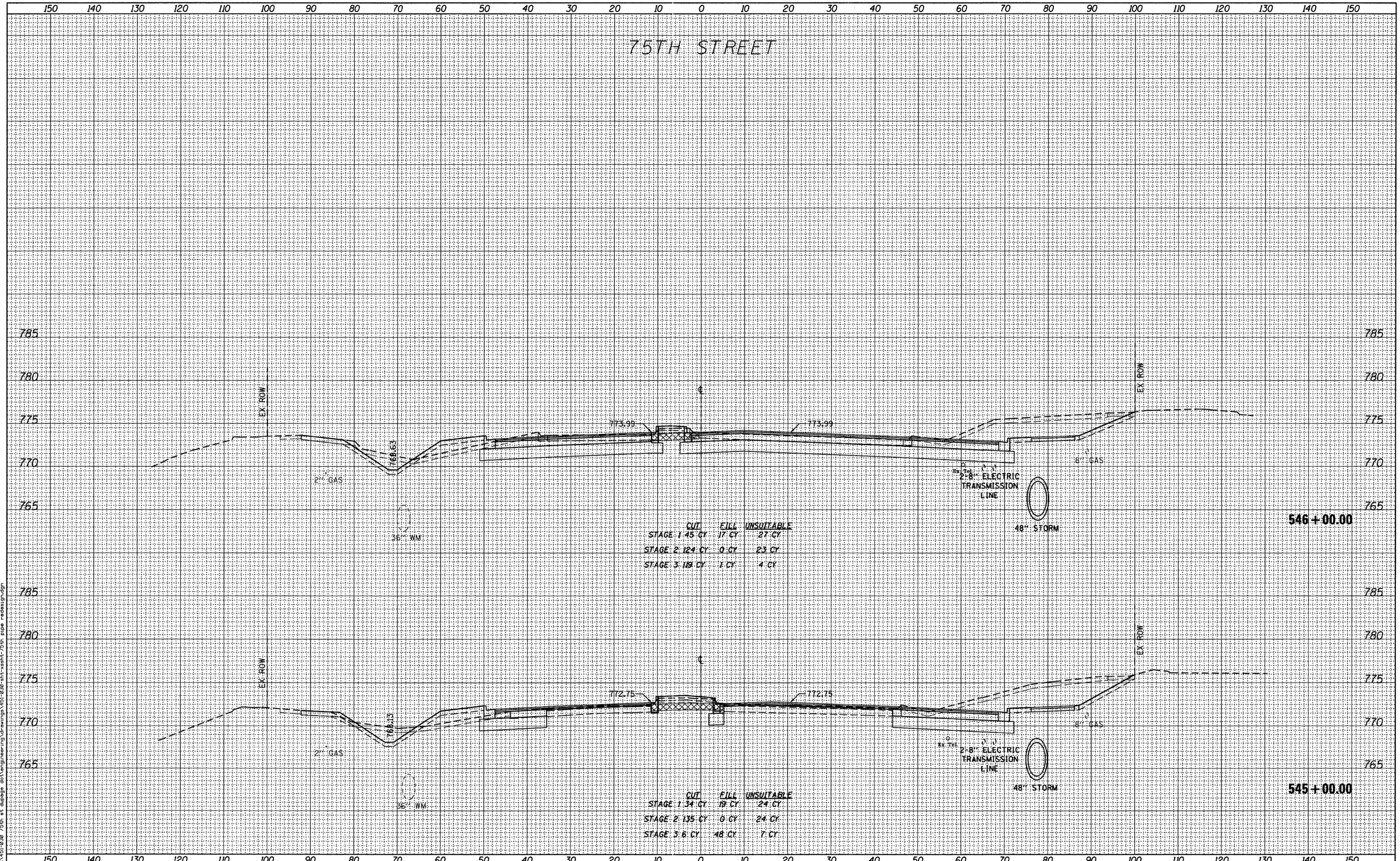
CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 170 OF 198 SHEETS | STA. 543+00.00 TO STA. 544+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	170
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 171 OF 198 SHEETS
STA. 545+00.00 TO STA. 546+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	171
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

75TH STREET

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

785 780 775 770

COMMERCIAL DRIVEWAY

PROP. T.E.

EX. ROW

4.35%

0.5%

776.46

776.47

2" GAS

36" WM

8" GAS

2-8" ELECTRIC TRANSMISSION LINE

3'x3' ELECTRIC DUCT LINE

48" STORM

Ex. Tel.

	CUT	FILL	UNSUITABLE
STAGE 1	77 CY	0 CY	0 CY
STAGE 2	83 CY	0 CY	23 CY
STAGE 3	128 CY	0 CY	3 CY

548+00.00

EX. ROW

775.23

775.23

2" GAS

36" WM

8" GAS

2-8" ELECTRIC TRANSMISSION LINE

3'x3' ELECTRIC DUCT LINE

48" STORM

6x Tel.

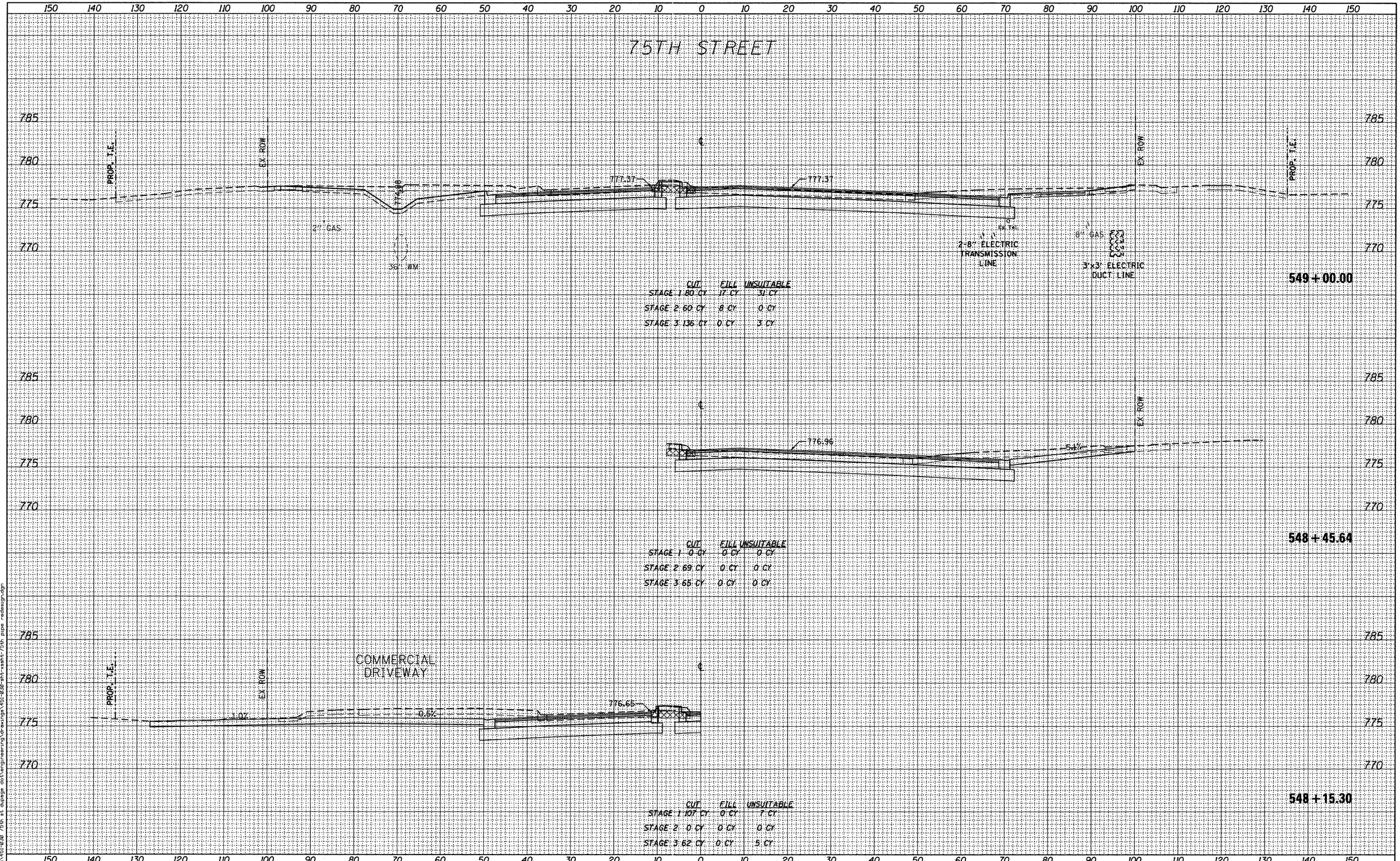
	CUT	FILL	UNSUITABLE
STAGE 1	43 CY	25 CY	27 CY
STAGE 2	96 CY	0 CY	23 CY
STAGE 3	125 CY	0 CY	3 CY

547+00.00

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - DC	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**75TH STREET**	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -		V: 1"=5'	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -		SCALE: H: 1"=10'	SHEET NO. 172 OF 198 SHEETS STA. 547+00.00 TO STA. 548+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	172
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TRACK RATE		
AREA		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TRACK RATE		
AREA		
AREAS CHECKED		

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xssht-75th pipe radesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

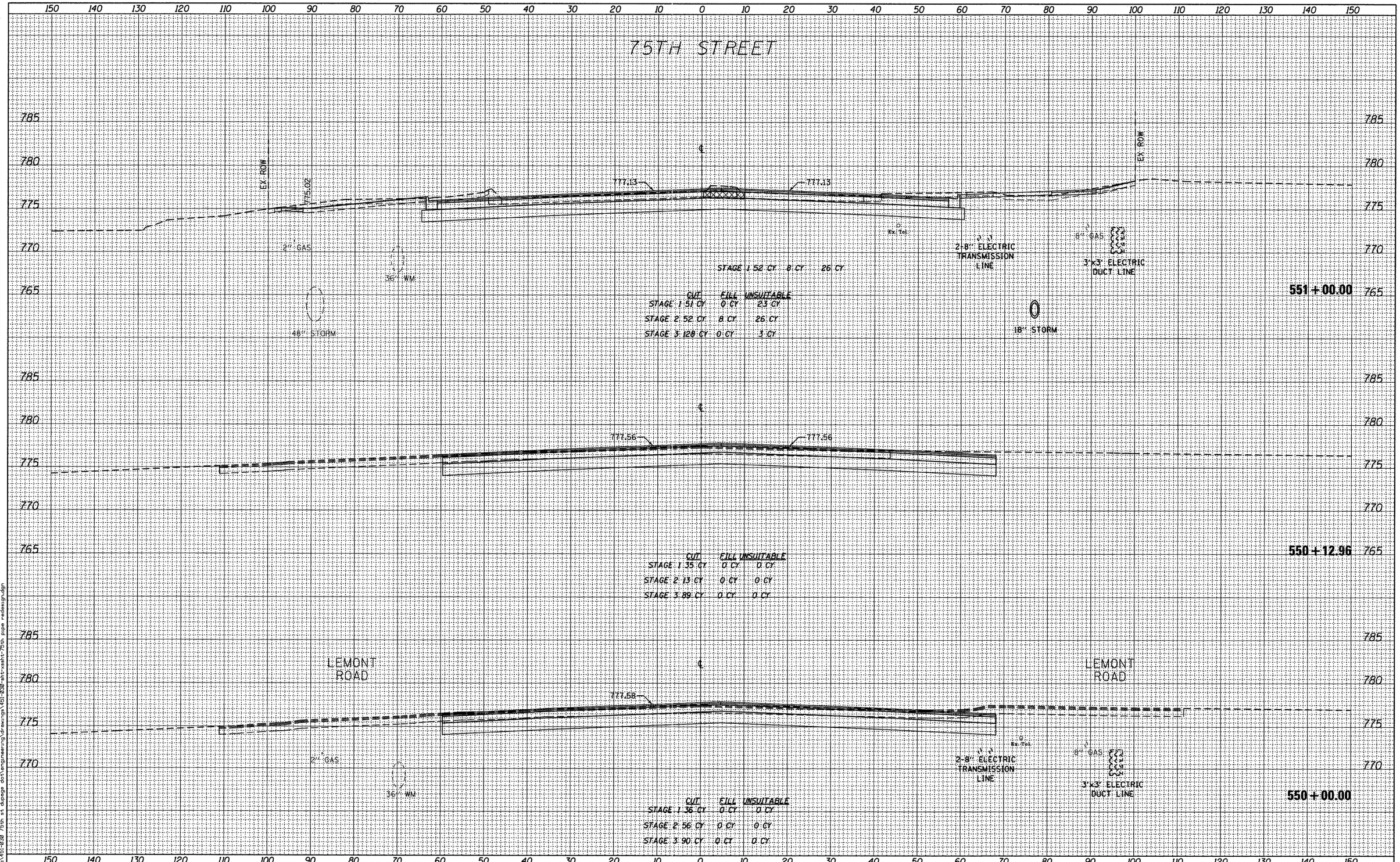
USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 173 OF 198 SHEETS
STA. 548+15.30 TO STA. 549+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	173
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = f:\451-030 75th st dupage do\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 174 OF 198 SHEETS | STA. 550+00.00 TO STA. 551+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	174
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770 765

EX ROW

775.80 — ℄ — 775.80

700.00

2" GAS

36" WM

48" STORM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

774.00

8" GAS

3'X3' ELECTRIC DUCT LINE

36" STORM

EX ROW

553+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	71 CY	5 CY	25 CY
STAGE 2	136 CY	0 CY	29 CY
STAGE 3	121 CY	6 CY	4 CY

785 780 775 770 765

EX ROW

776.50 — ℄ — 776.50

771.00

2" GAS

36" WM

48" STORM

Ex Tel

2-8" ELECTRIC TRANSMISSION LINE

773.50

8" GAS

3'X3' ELECTRIC DUCT LINE

36" STORM

EX ROW

552+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	79 CY	1 CY	23 CY
STAGE 2	98 CY	10 CY	29 CY
STAGE 3	131 CY	5 CY	3 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

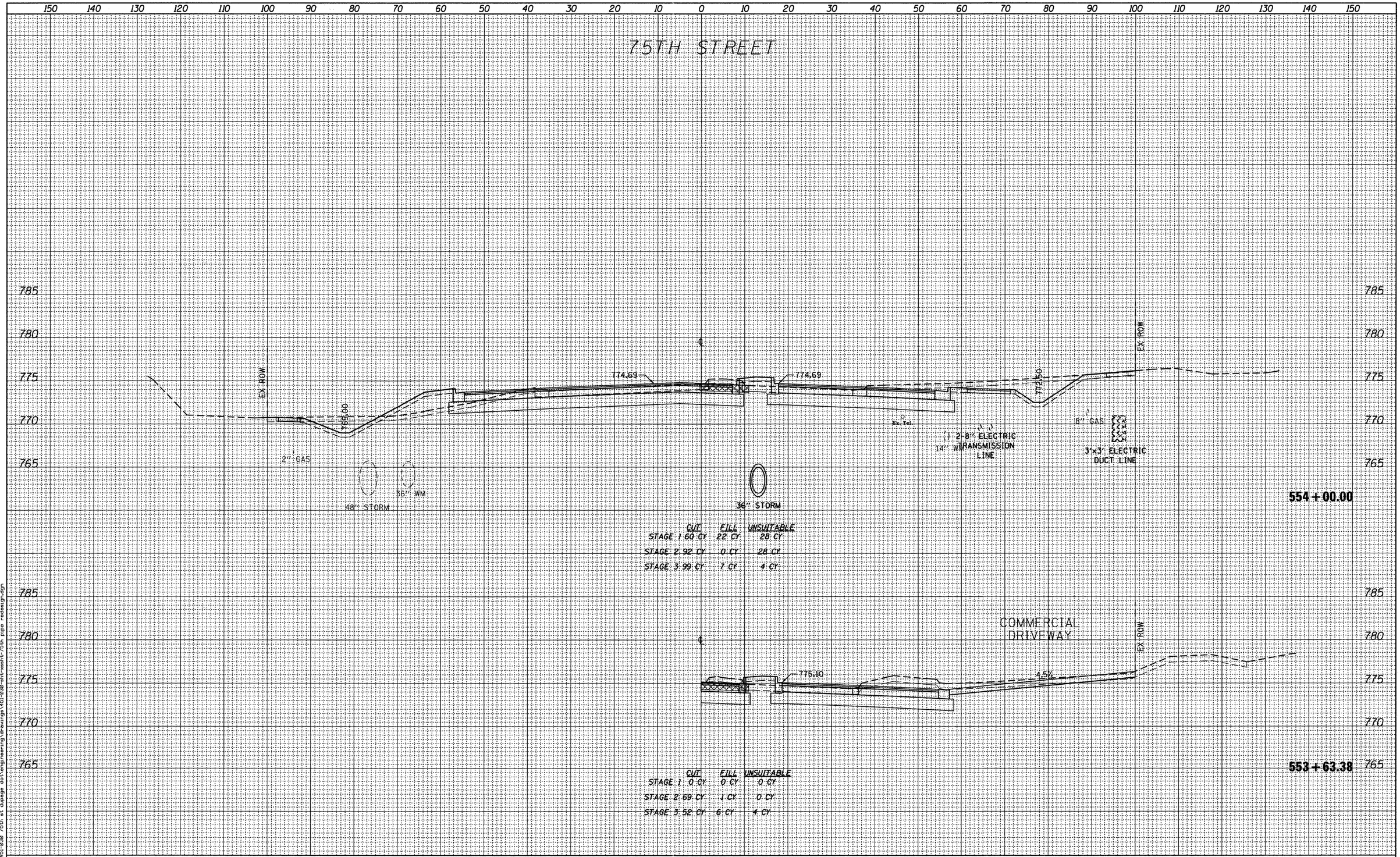
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 175 OF 198 SHEETS
STA. 552+00.00 TO STA. 553+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	175
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

75TH STREET



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

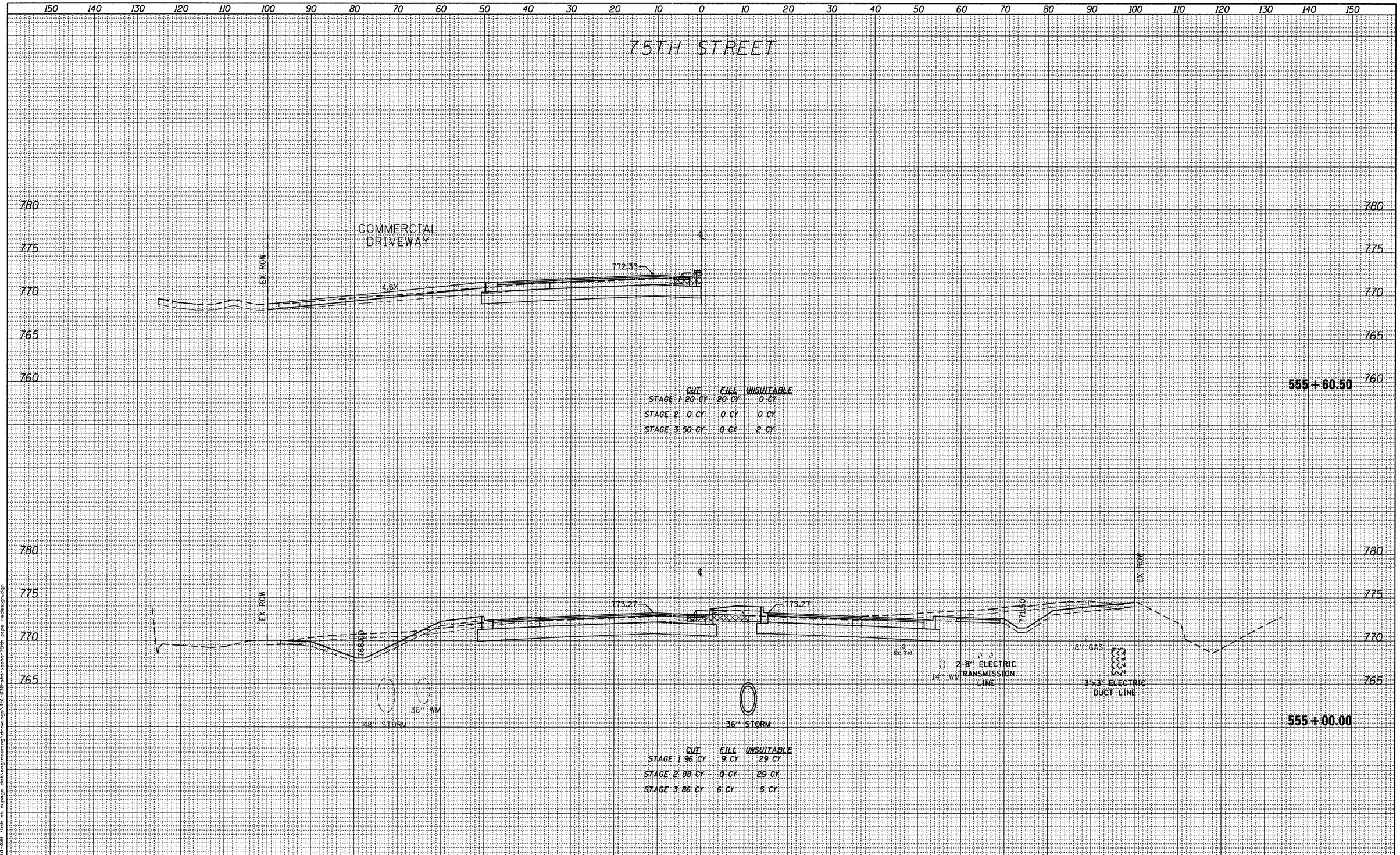
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 176 OF 198 SHEETS | STA. 553+63.38 TO STA. 554+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	176
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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



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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

V: 1"=5'
SCALE: H: 1"=10'

CROSS SECTIONS
75TH STREET

SHEET NO. 177 OF 198 SHEETS | STA. 555+00.00 TO STA. 555+60.50

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	177
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-75th pipe redesign.dgn

75TH STREET

EX ROW

(763.40)

770.18

770.18

2.0%

Ex. Tel.

6" GAS

2-8" ELECTRIC TRANSMISSION LINE

14" WM

3'x3' ELECTRIC DUCT LINE

42" STORM

36" WM

	CUT	FILL	UNSUITABLE
STAGE 1	57 CY	42 CY	28 CY
STAGE 2	67 CY	0 CY	26 CY
STAGE 3	72 CY	5 CY	9 CY

557+00.00

COMMERCIAL DRIVEWAY

EX ROW

771.72

771.72

3.6%

769.50

Ex. Tel.

6" GAS

2-8" ELECTRIC TRANSMISSION LINE

14" WM

3'x3' ELECTRIC DUCT LINE

48" STORM

36" WM

36" STORM

	CUT	FILL	UNSUITABLE
STAGE 1	28 CY	1 CY	0 CY
STAGE 2	74 CY	0 CY	29 CY
STAGE 3	79 CY	3 CY	8 CY

556+00.00

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 178 OF 198 SHEETS
STA. 556+00.00 TO STA. 557+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	178
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

780 775 770 765 760

EX ROW

℄

768.99

768.99

762.40

761.00

EX ROW

PROP. T.E.

36" WM

42" STORM

14" WM

2-8" ELECTRIC TRANSMISSION LINE

8" GAS

3'x3' ELECTRIC DUCT LINE

558+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	24 CY	54 CY	28 CY
STAGE 2	54 CY	1 CY	31 CY
STAGE 3	90 CY	1 CY	3 CY

COMMERCIAL DRIVEWAY

EX ROW

℄

769.65

2.0%

557+38.00

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	94 CY	0 CY	0 CY
STAGE 3	40 CY	4 CY	2 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

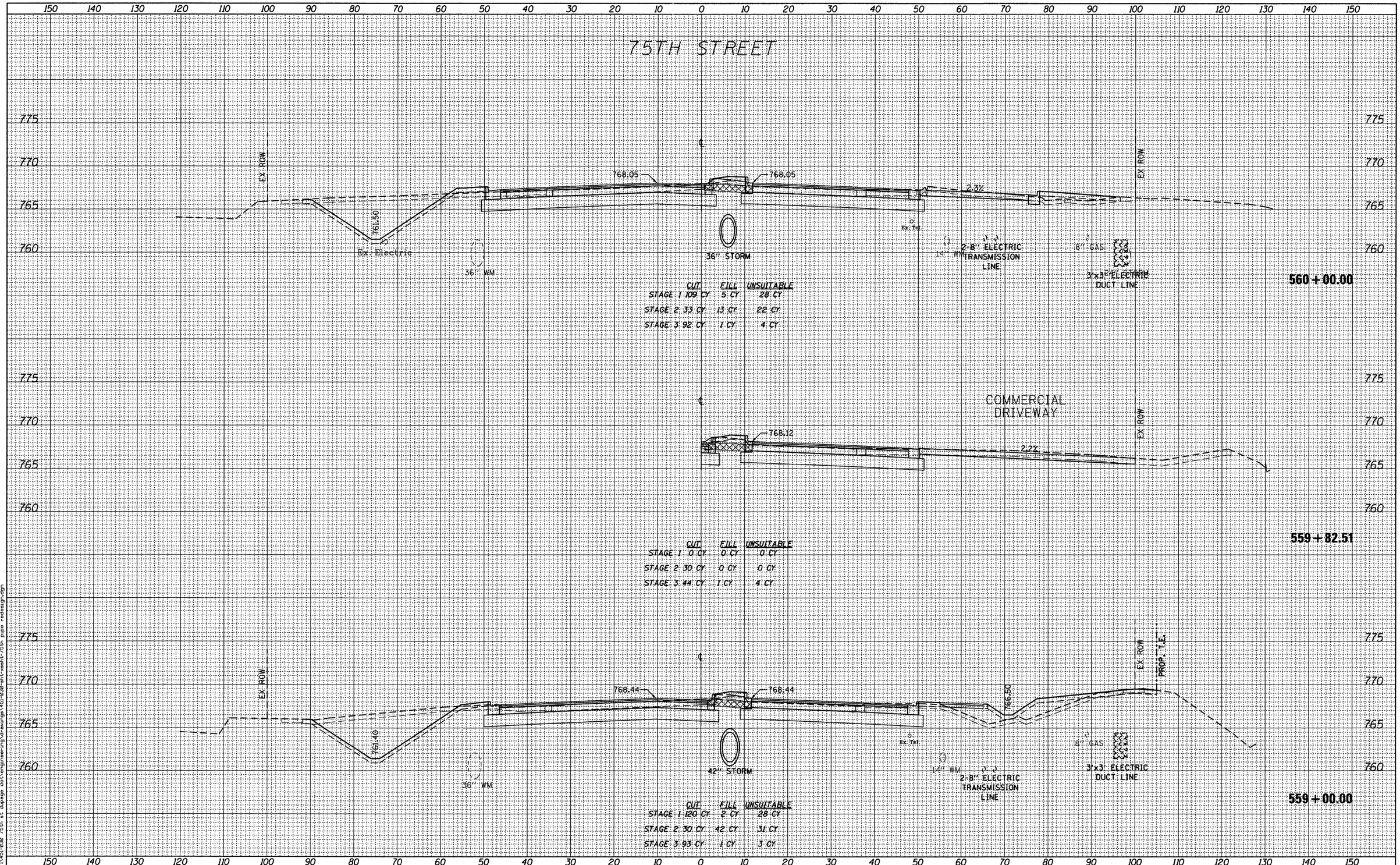
USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 179 OF 198 SHEETS
STA. 557+38.00 TO STA. 558+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	179
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 180 OF 198 SHEETS
STA. 559+00.00 TO STA. 560+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	180
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

75TH STREET

MAIN STREET

767.62

0.9%

561+84.27

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	22 CY	25 CY	0 CY
STAGE 3	35 CY	5 CY	5 CY

767.67

767.66

765.60

762.00

EX. ROW

EX. ROW

12" WM

Ex Electric

36" WM

42" STORM

Ex. Inl.

14" WM

2-8" ELECTRIC TRANSMISSION LINE

8" GAS

3"x3" ELECTRIC DUCT LINE

561+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	46 CY	22 CY	28 CY
STAGE 2	28 CY	25 CY	29 CY
STAGE 3	82 CY	4 CY	9 CY

767.89

0.5%

0.5%

EX. ROW

560+41.66

	CUT	FILL	UNSUITABLE
STAGE 1	45 CY	2 CY	0 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	50 CY	0 CY	2 CY

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

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

FILE NAME = f:\451-838 75th st dupage dot\engineering\Drawings\451-838-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 181 OF 198 SHEETS
STA. 560+41.66 TO STA. 561+84.27

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	181
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

75TH STREET

MAIN STREET

℄

768.31

1.5%

	CUT	FILL	UNSUITABLE
STAGE 1	18 CY	10 CY	0 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	36 CY	3 CY	4 CY

563 + 38.20

℄

768.16 768.16

763.00

766.00

EX. ROW

PROP. T.E.

Ex. Tel.

Ex. Electric 12" WM

36" WM

42" STORM

2-8" ELECTRIC 14" WTRANSMISSION LINE

8" GAS

3'x3' ELECTRIC DUCT LINE

24" STORM

	CUT	FILL	UNSUITABLE
STAGE 1	108 CY	0 CY	22 CY
STAGE 2	40 CY	4 CY	31 CY
STAGE 3	73 CY	5 CY	9 CY

563 + 00.00

COMMERCIAL DRIVEWAY

EX. ROW

℄

767.66 767.66

762.50

1.0%

Ex. Tel.

12" WM

Ex. Electric

36" WM

42" STORM

2-8" ELECTRIC 14" WTRANSMISSION LINE

8" GAS

3'x3' ELECTRIC DUCT LINE

24" STORM

	CUT	FILL	UNSUITABLE
STAGE 1	63 CY	12 CY	28 CY
STAGE 2	22 CY	18 CY	14 CY
STAGE 3	71 CY	9 CY	9 CY

562 + 00.00

FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
ISSUE DATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
ISSUE DATE
AREAS
AREAS CHECKED

FILE NAME = F:\451-030 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-030-ant-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = alarson	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/13/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 182 OF 198 SHEETS
STA. 562+00.00 TO STA. 563+38.20

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	182
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

775 770 765 760

CAMBRIDGE STREET

769.03

1.3%

565 + 10.20

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	20 CY	34 CY	0 CY
STAGE 3	37 CY	5 CY	5 CY

EX. ROW

764.00

768.98 768.98

1.5%

12" WM Ex. Electric

36" WM

42" STORM

Ex. Tel.

2-8" ELECTRIC TRANSMISSION LINE

14" WM

3"x3" ELECTRIC DUCT LINE

8" GAS

24" STORM

565 + 00.00

	CUT	FILL	UNSUITABLE
STAGE 1	121 CY	0 CY	27 CY
STAGE 2	20 CY	44 CY	0 CY
STAGE 3	73 CY	7 CY	9 CY

EX. ROW

763.30

768.55 768.55

766.50

2" GAS

12" WM Ex. Electric

36" WM

42" STORM

Ex. Tel.

2-8" ELECTRIC TRANSMISSION LINE

14" WM

3"x3" ELECTRIC DUCT LINE

8" GAS

24" STORM

564 + 00.00

	CUT	FILL	UNSUITABLE
STAGE 1	100 CY	2 CY	22 CY
STAGE 2	56 CY	1 CY	29 CY
STAGE 3	74 CY	7 CY	9 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'

SHEET NO. 183 OF 198 SHEETS | STA. 564+00.00 TO STA. 565+10.20

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	183
		CONTRACT NO. 63632		
		ILLINOIS	FED. AID PROJECT	

75TH STREET

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -
		DRAWN - DC	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

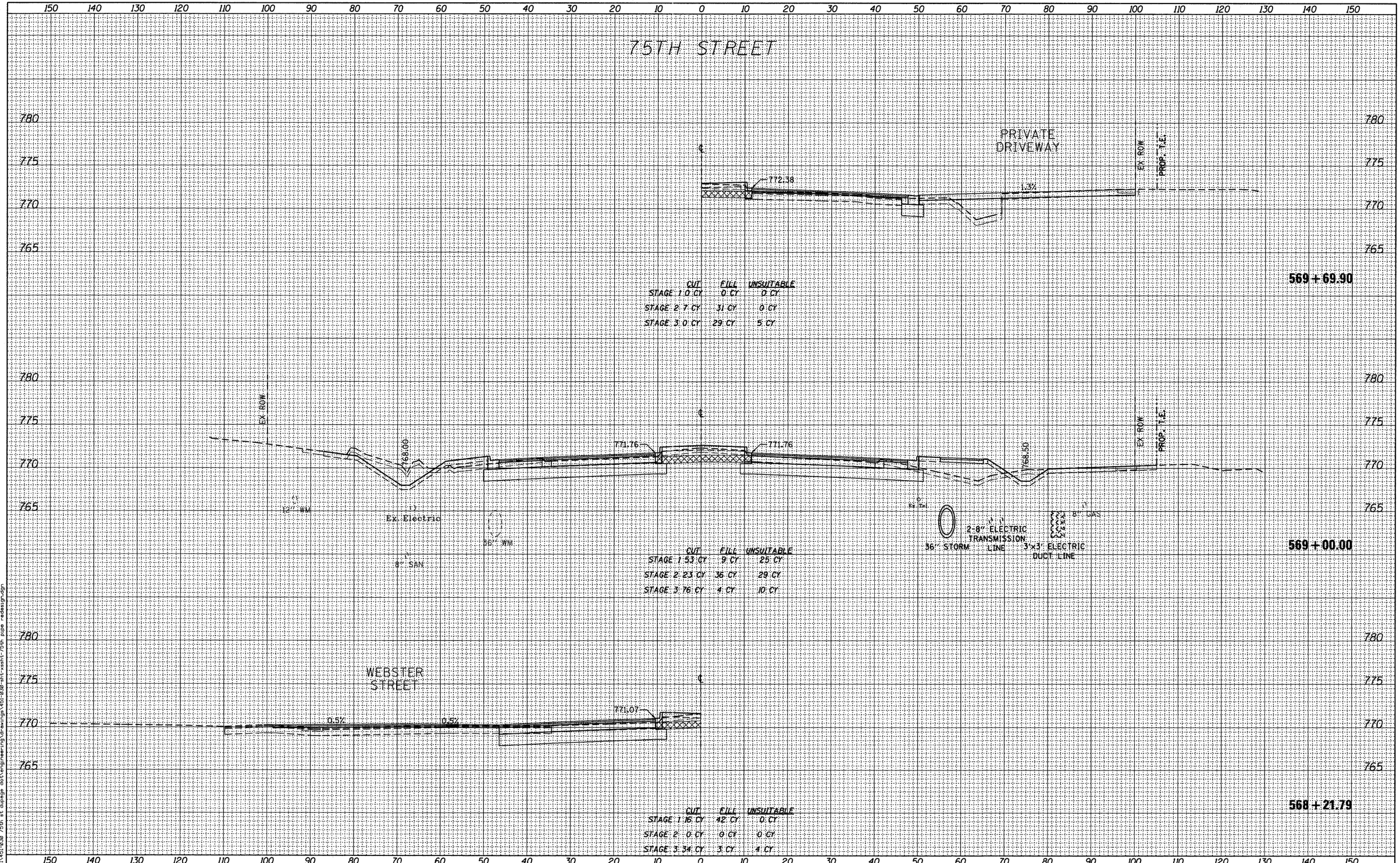
V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 184 OF 198 SHEETS
STA. 566+00.00 TO STA. 568+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	184
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn



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

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

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

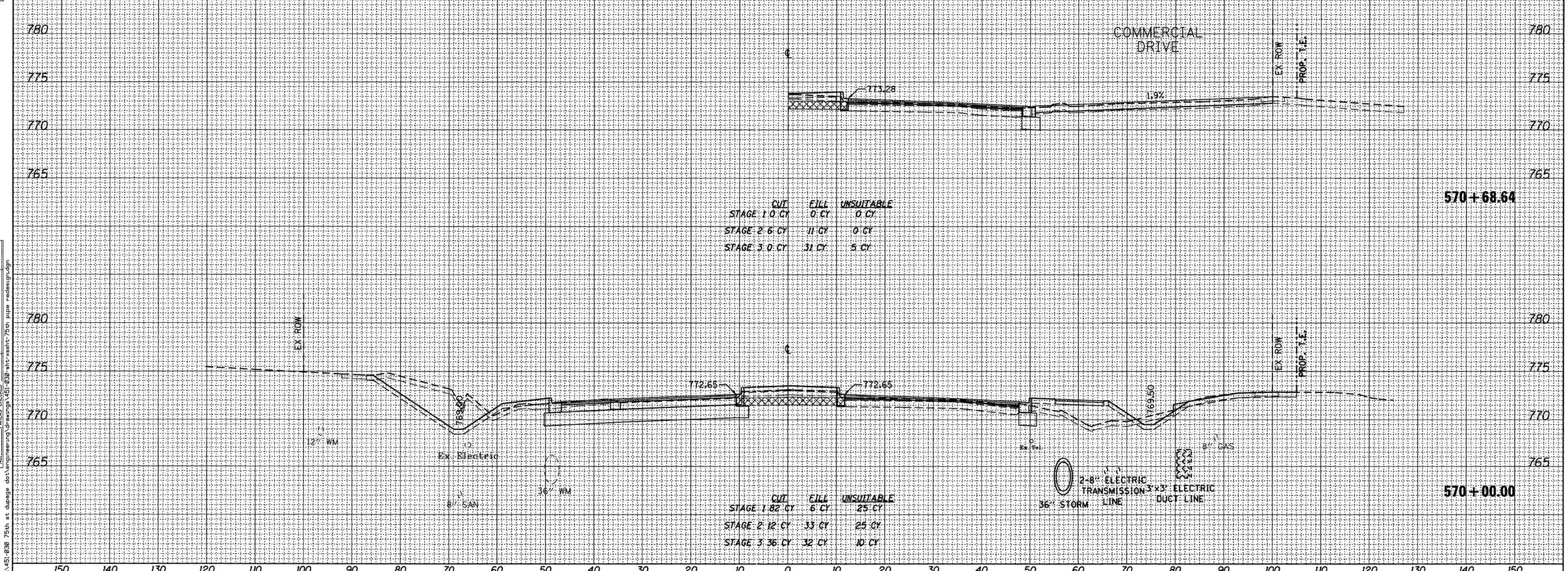
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 185 OF 198 SHEETS
STA. 568+21.79 TO STA. 569+69.90

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	185
		CONTRACT NO. 63632		
	ILLINOIS	FED. AID PROJECT		

75TH STREET



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

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

FILE NAME = f:\451-838 75th st dupage do\engineering\drawings\451-838-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 186 OF 198 SHEETS
STA. 570+00.00 TO STA. 570+68.64

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	186
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

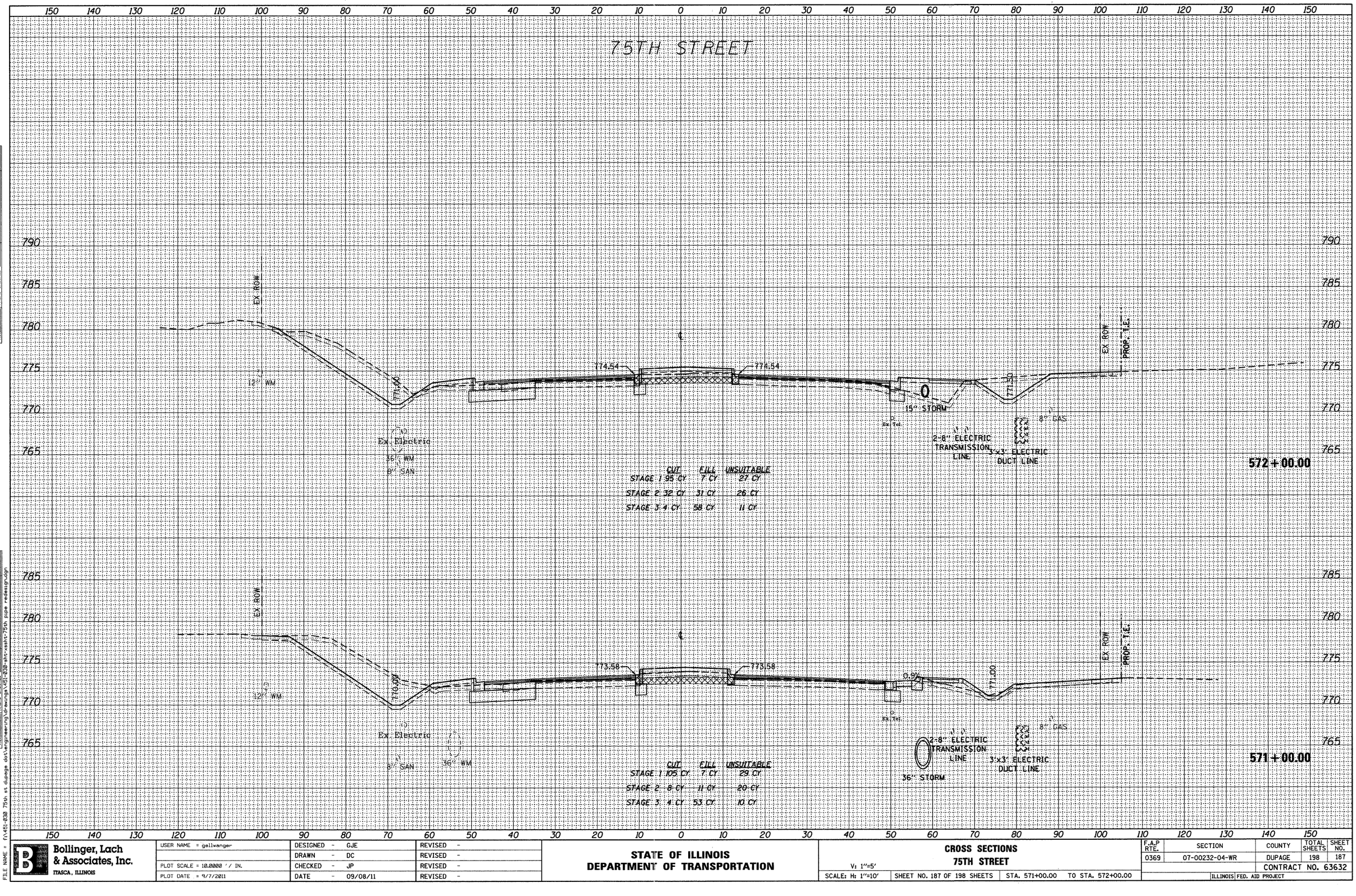
FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TYPED		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TYPED		
AREAS		
AREAS CHECKED		

BY	DATE

75TH STREET



FILE NAME = f:\451-038 75th st dupage dot\engineering\drawings\451-038-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 75TH STREET
		DRAWN - DC	REVISED -		
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -		V: 1"=5'
	PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -		SCALE: H: 1"=10'

SHEET NO. 187 OF 198 SHEETS | STA. 571+00.00 TO STA. 572+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	187
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

75TH STREET

EX. ROW

772.50

775.46

775.46

772.50

EX. ROW

PROP. T.E.

0

12" WM

36" WM

Ex. Electric

8" GAS

8" STORM

15" STORM

2-8" ELECTRIC TRANSMISSION LINE

8" GAS

3'x3' ELECTRIC DUCT LINE

573+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	53 CY	6 CY	28 CY
STAGE 2	26 CY	3 CY	21 CY
STAGE 3	4 CY	66 CY	12 CY

PRIVATE DRIVEWAY

EX. ROW

7.3%

775.28

572+77.11

	CUT	FILL	UNSUITABLE
STAGE 1	17 CY	27 CY	0 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	3 CY	28 CY	5 CY

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 188 OF 198 SHEETS
STA. 572+77.11 TO STA. 573+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	188
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770 765

EX ROW

℄

773.70

776.20

776.21

773.00

EX ROW

PROP. T.E.

12" WM

Ex Electric

36" WM

8" SAN

12" STORM

8" GAS

574+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	22 CY	6 CY	15 CY
STAGE 2	12 CY	55 CY	25 CY
STAGE 3	4 CY	52 CY	12 CY

COMMERCIAL DRIVEWAY

775.73

11%

EX ROW

PROP. T.E.

573+35.69

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	27 CY	5 CY	0 CY
STAGE 3	0 CY	37 CY	7 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xssht-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 189 OF 198 SHEETS
STA. 573+35.69 TO STA. 574+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	189
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

75TH STREET

785 780 775 770 765

CANTERBURY PLACE

℄

776.93 776.93

773.63

EX. ROW

PROP. T.E.

575+26.41

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	36 CY	0 CY
STAGE 2	22 CY	56 CY	26 CY
STAGE 3	4 CY	45 CY	12 CY

EX. ROW

775.21

776.81 776.81

773.50

EX. ROW

PROP. T.E.

12" WM

Ex Electric

36" WM

8" SAN

6X6 TH.

12" STORM

8" GAS

575+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	35 CY	2 CY	16 CY
STAGE 2	22 CY	54 CY	27 CY
STAGE 3	4 CY	41 CY	12 CY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsshts-75th pipe redesign.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

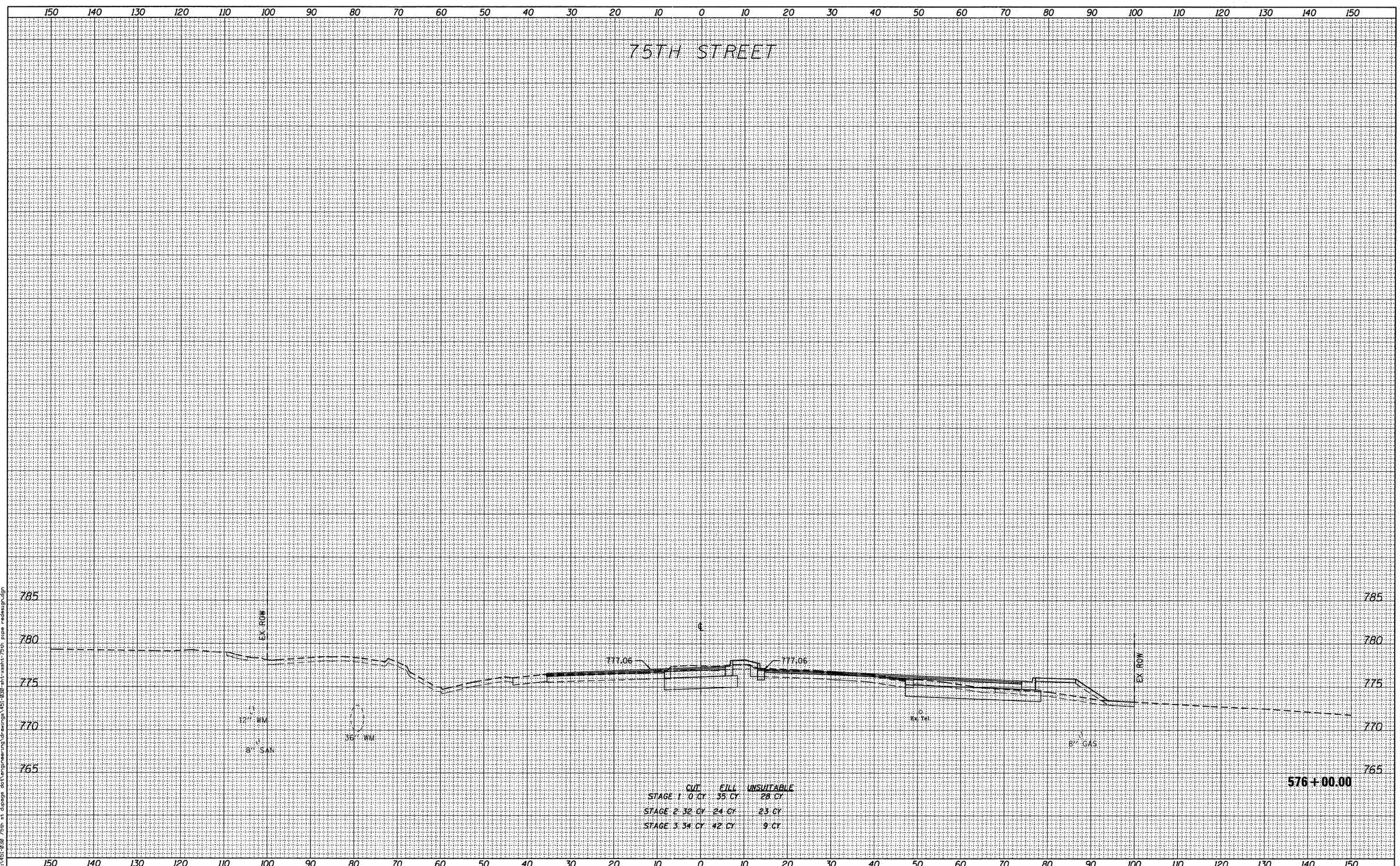
V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 190 OF 198 SHEETS
STA. 575+00.00 TO STA. 575+26.41

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	190
		CONTRACT NO. 63632		
	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-75th pipe redesign.dgn



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	35 CY	28 CY
STAGE 2	32 CY	24 CY	23 CY
STAGE 3	34 CY	42 CY	9 CY

576+00.00

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

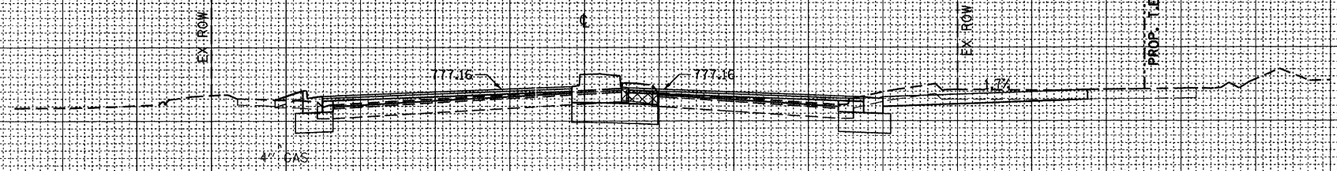
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 191 OF 198 SHEETS
STA. 576+00.00 TO STA. 576+00.00

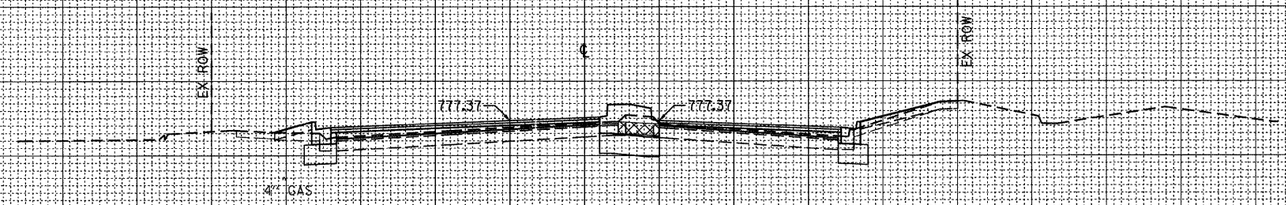
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	191
		CONTRACT NO. 63632		
		ILLINOIS	FED. AID PROJECT	

LEMONT ROAD



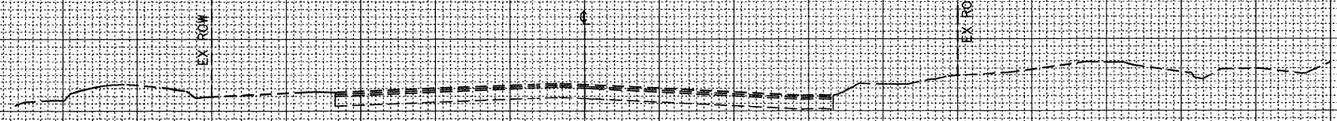
	CUT	FILL	UNSUITABLE
STAGE 1	24 CY	1 CY	3 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	20 CY	45 CY	0 CY

15+48.29



	CUT	FILL	UNSUITABLE
STAGE 1	10 CY	4 CY	10 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	15 CY	47 CY	0 CY

15+00.00



14+00.00

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

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

FILE NAME = F:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsshts-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

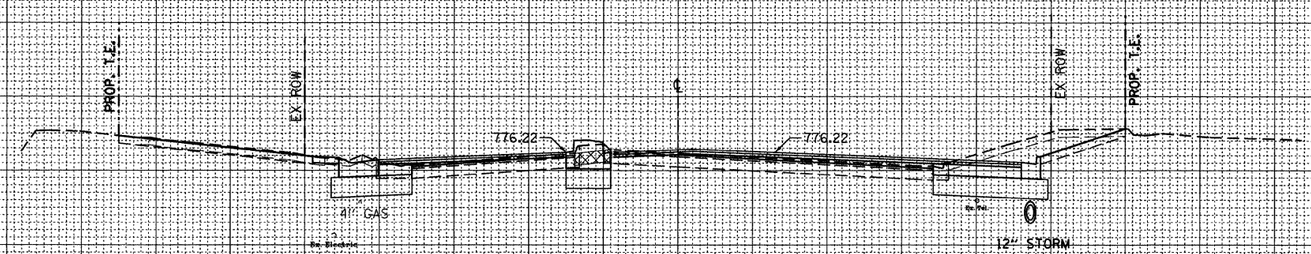
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 192 OF 198 SHEETS | STA. 14+00.00 | TO STA. 15+48.29

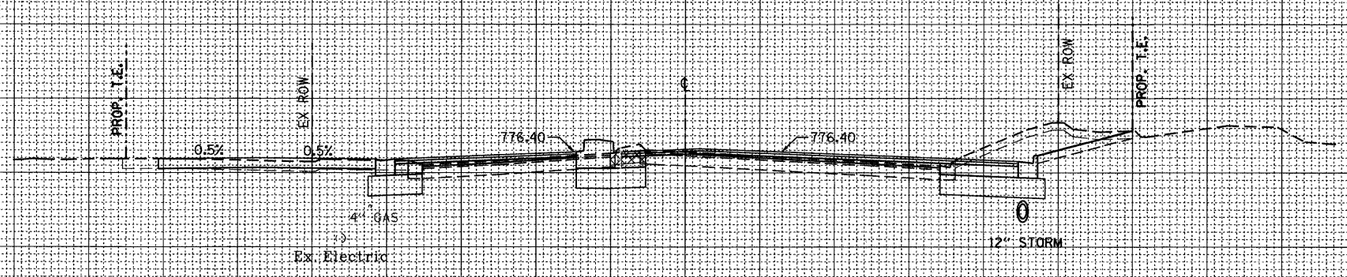
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	192
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

LEMONT ROAD



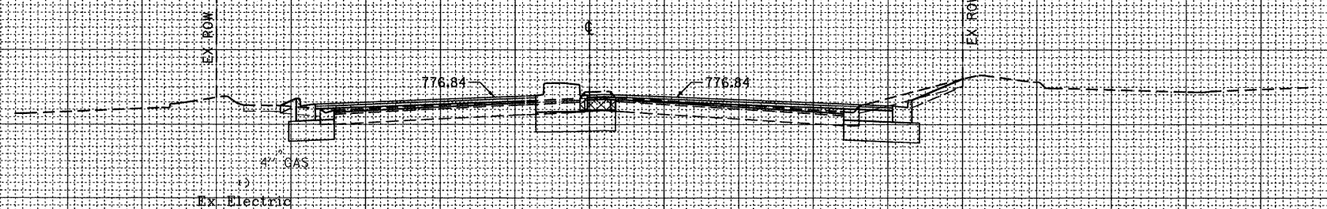
17+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	66 CY	0 CY	27 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	14 CY	49 CY	0 CY



16+69.81

	CUT	FILL	UNSUITABLE
STAGE 1	61 CY	3 CY	12 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	17 CY	47 CY	0 CY



16+00.00

	CUT	FILL	UNSUITABLE
STAGE 1	30 CY	1 CY	10 CY
STAGE 2	0 CY	0 CY	0 CY
STAGE 3	18 CY	46 CY	0 CY

Bollinger, Lach & Associates, Inc. ITASCA, ILLINOIS	USER NAME = olarson	DESIGNED - GJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS 75TH STREET
		DRAWN - DC	REVISED -		V: 1"=5'
	PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -		SCALE: H: 1"=10' | SHEET NO. 193 OF 198 SHEETS | STA. 16+00.00 TO STA. 17+00.00
	PLOT DATE = 9/13/2011	DATE - 09/08/11	REVISED -		

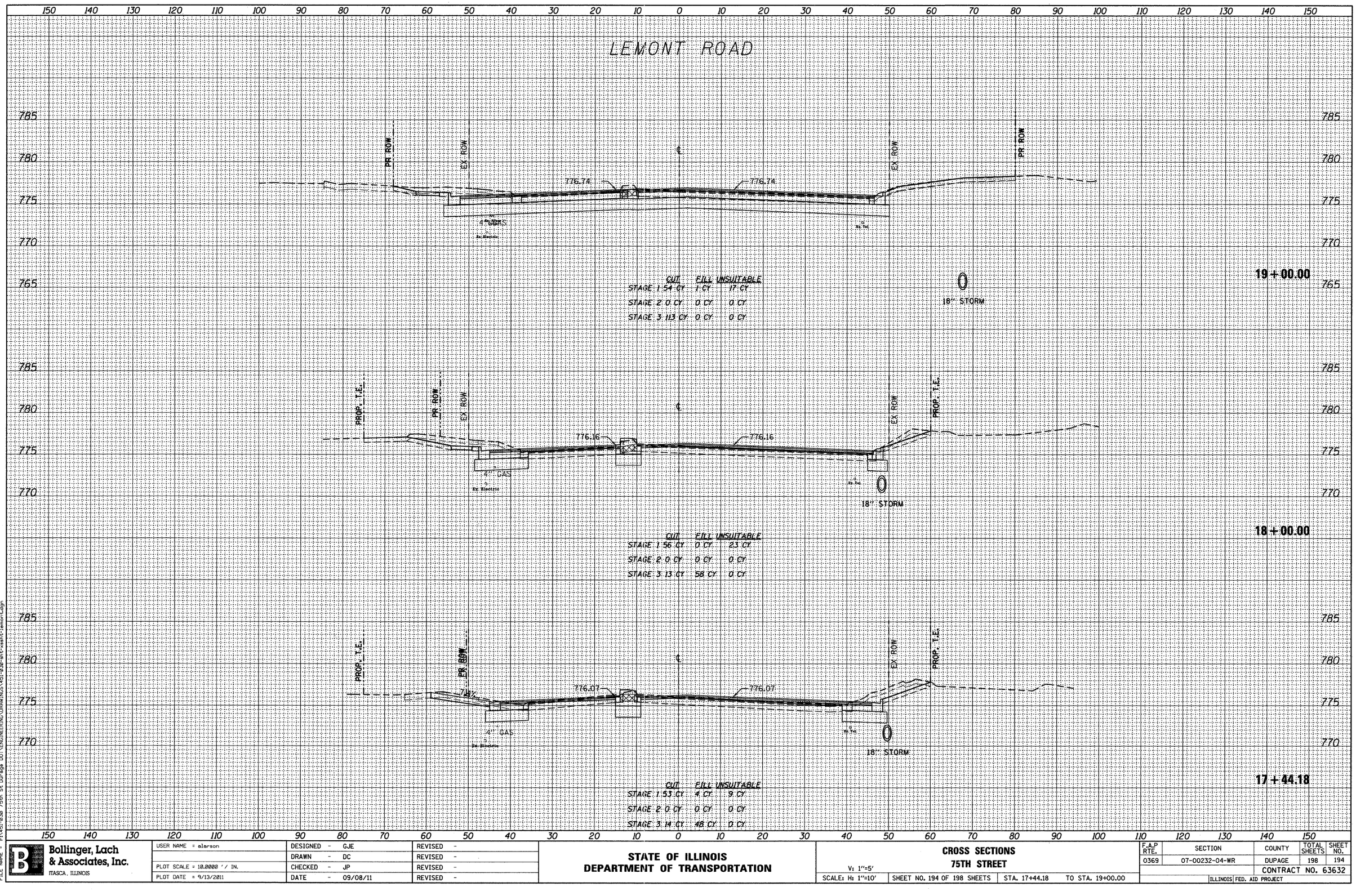
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	193
		CONTRACT NO. 63632		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = F:\451-930 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-930-sht-xsht-lemont.dgn

LEMONT ROAD



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

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

FILE NAME = F:\451-030 75th St DuPage DOT\ENGINEERING\DRAWINGS\451-030-sht-xssht-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = alarson	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/13/2011	DATE - 09/08/11	REVISED -	

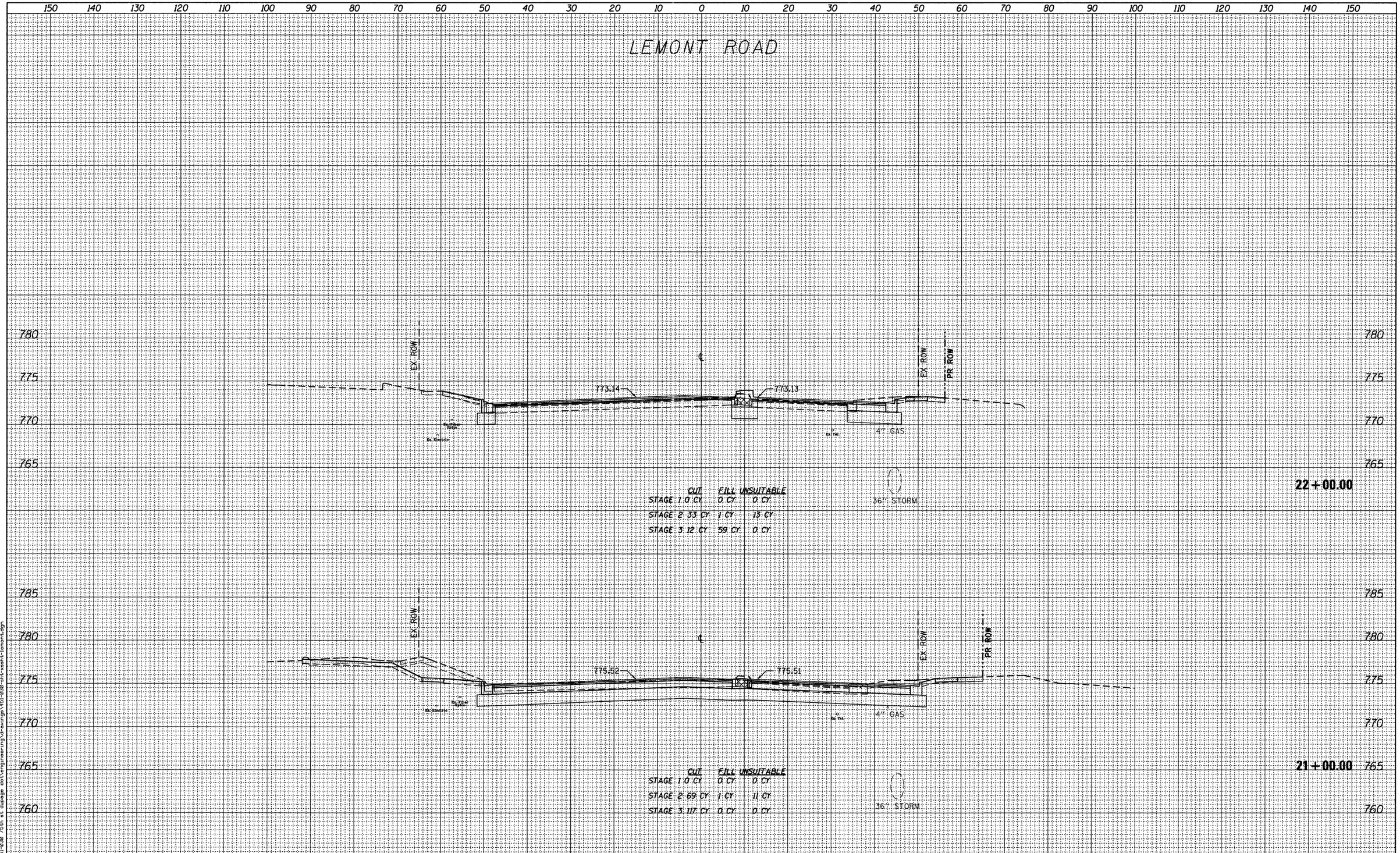
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 194 OF 198 SHEETS
STA. 17+44.18 TO STA. 19+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	194
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

LEMONT ROAD



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	33 CY	1 CY	13 CY
STAGE 3	12 CY	59 CY	0 CY

	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	69 CY	1 CY	11 CY
STAGE 3	117 CY	0 CY	0 CY

FINAL SURVEY — NOTE BOOK — NO.

BY	DATE
SURVEYED	
PLOTTED	
TSMF-LITE	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY — NOTE BOOK — NO.

BY	DATE
SURVEYED	
PLOTTED	
TSMF-LITE	
AREAS	
AREAS CHECKED	

FILE NAME = f:\451-030 75th st dupage dot\engineering\drawings\451-030-sht-xsht-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

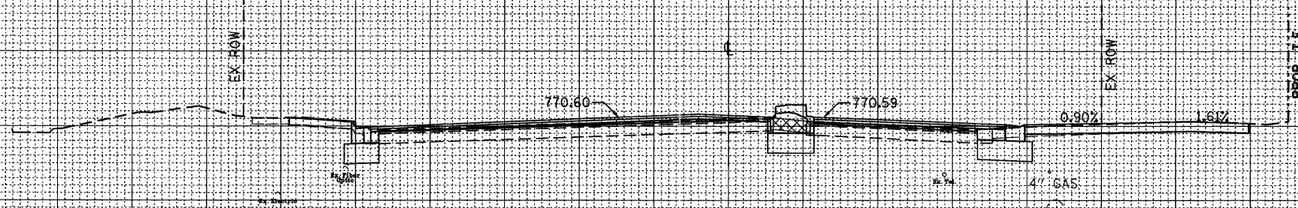
V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 195 OF 198 SHEETS | STA. 21+00.00 TO STA. 22+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	195
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LEMONT ROAD

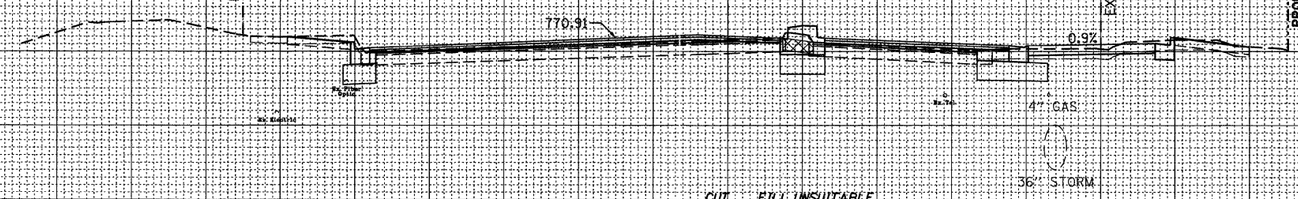
780 775 770 765 760



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	18 CY	2 CY	5 CY
STAGE 3	14 CY	58 CY	0 CY

23+13.84

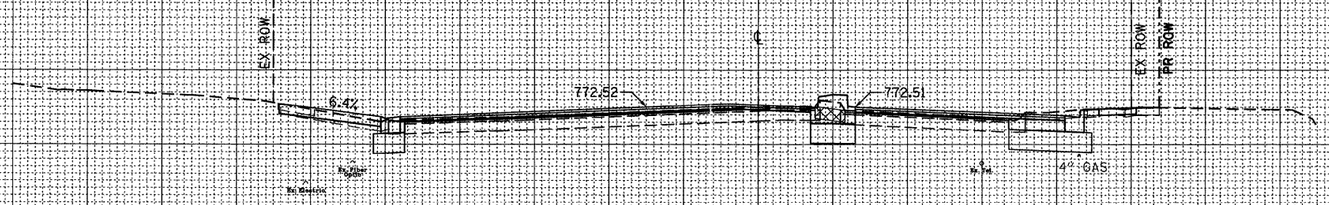
780 775 770 765



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	24 CY	5 CY	5 CY
STAGE 3	12 CY	58 CY	0 CY

23+00.00

780 775 770 765



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	27 CY	3 CY	6 CY
STAGE 3	12 CY	58 CY	0 CY

22+27.50

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

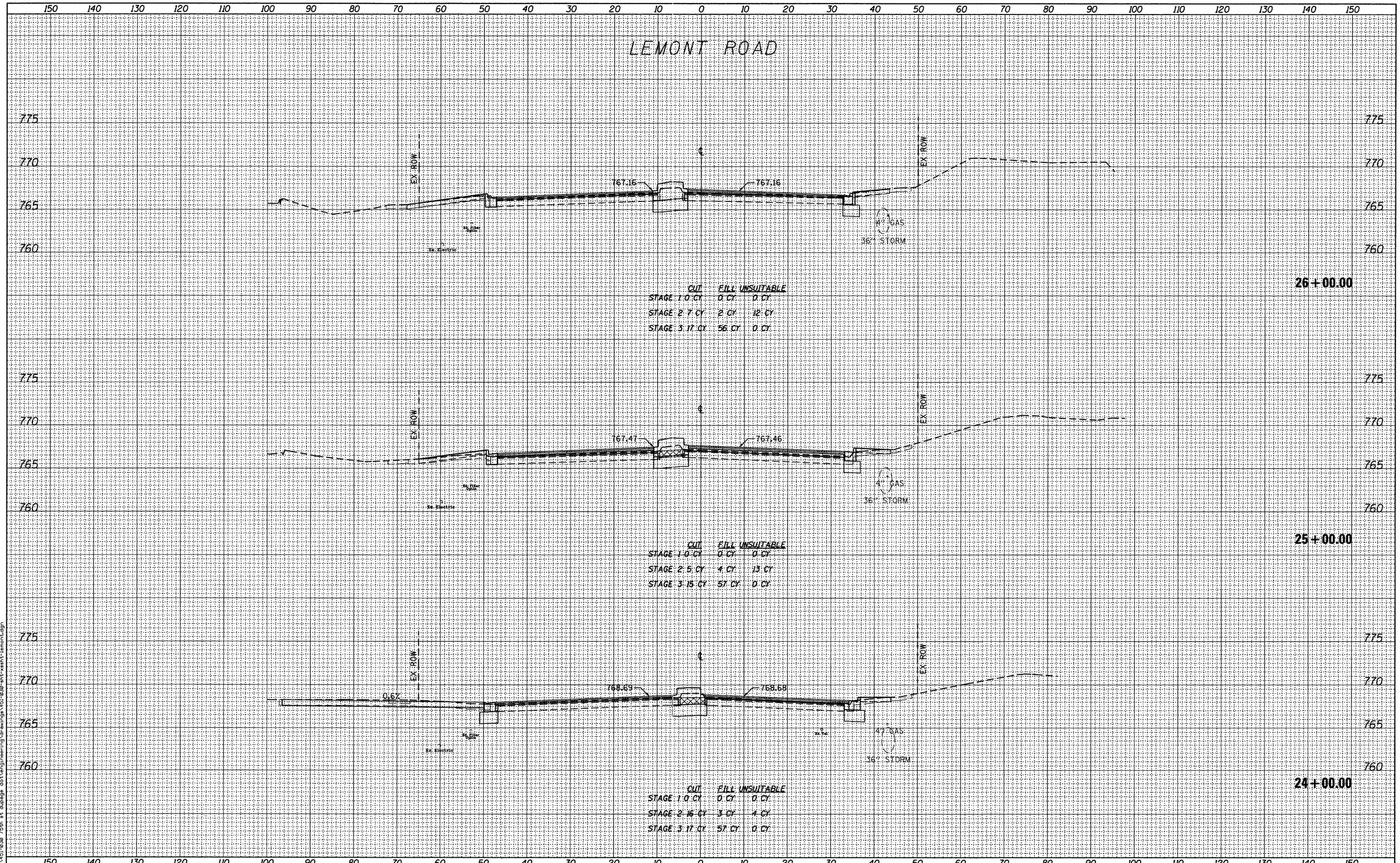
USER NAME = gallwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 196 OF 198 SHEETS | STA. 22+27.50 | TO STA. 23+13.84

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	196
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = f:\451-030 75th st dupage dot\engineering\dr-ewings\451-030-ent-xsht-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - DC	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

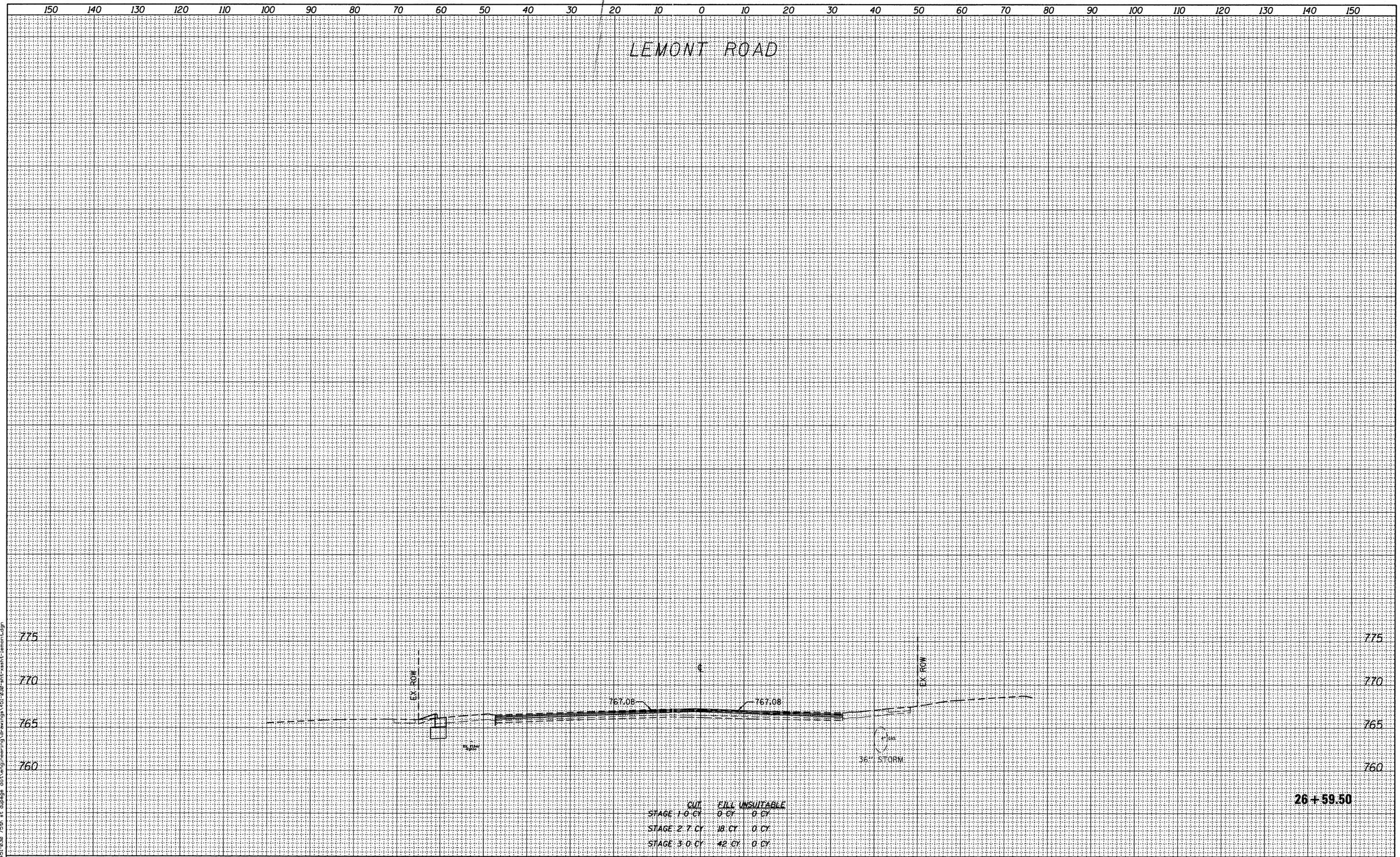
CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10'
SHEET NO. 197 OF 198 SHEETS
STA. 24+00.00 TO STA. 26+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	197
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			

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

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



	CUT	FILL	UNSUITABLE
STAGE 1	0 CY	0 CY	0 CY
STAGE 2	7 CY	18 CY	0 CY
STAGE 3	0 CY	42 CY	0 CY

FILE NAME = f:\451-838 75th st dupage dot\engineering\drawings\451-838-sht-xsht-lemont.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -	
	DRAWN - DC	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - JP	REVISED -	
PLOT DATE = 9/7/2011	DATE - 09/08/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
75TH STREET

V: 1"=5'
SCALE: H: 1"=10' | SHEET NO. 198 OF 198 SHEETS | STA. 26+59.50 | TO STA. 26+59.50

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	07-00232-04-WR	DUPAGE	198	198
		CONTRACT NO. 63632		
	ILLINOIS FED. AID PROJECT			