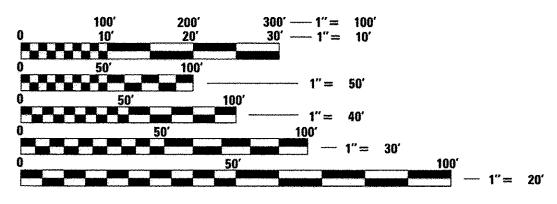
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

TRAFFIC DATA

LORELEI DRIVE ADT (YEAR) = 2775 (2015) POSTED SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: MAJOR COLLECTOR



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
8-1-1 OR 1-800-892-0123

CHRISTOPHER B. BURKE
9575 West Higgins Road, Suite
Rosemont, Illinois 60018

ENGINEERING LTD.
600
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175 EXPIRATION DATE: 04/30/17

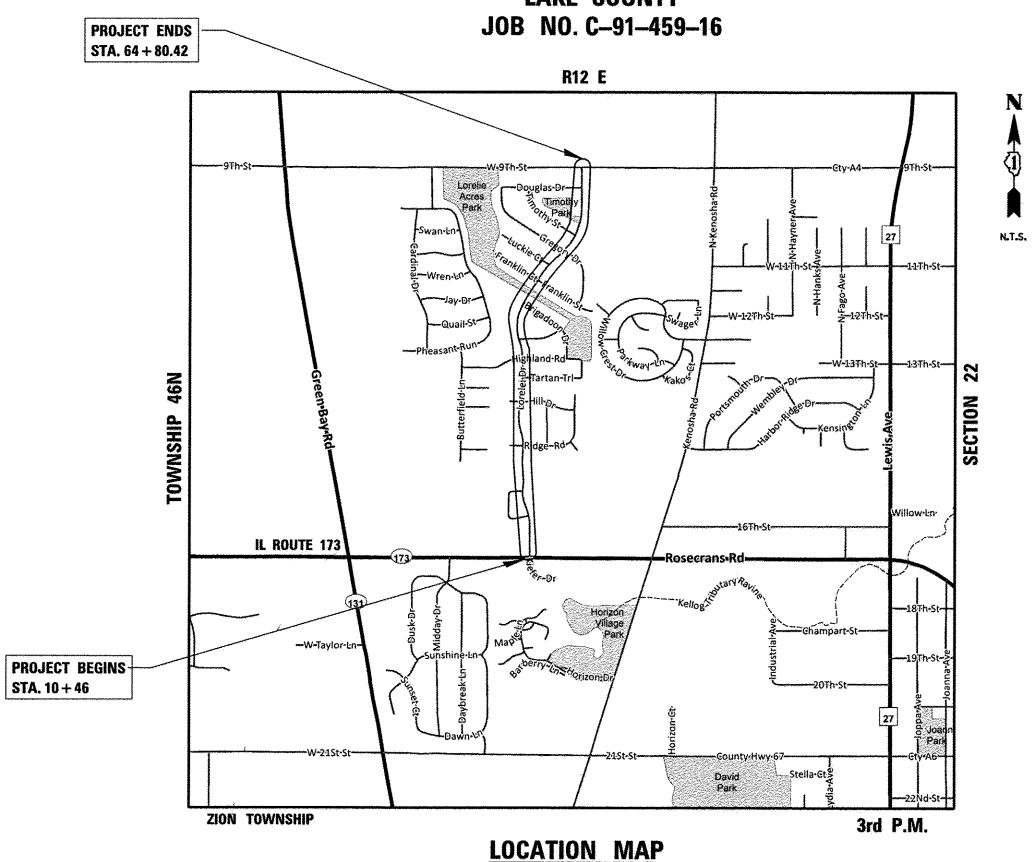
CONTRACT NO. 61D41

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1002 (LORELEI DRIVE)
FAU 303 (IL. ROUTE 173) TO FAU 1200 (9TH STREET)
RESURFACING

SECTION NO. 16-00087-00-RS
PROJECT NO. M-4003(809)
CITY OF ZION
LAKE COUNTY

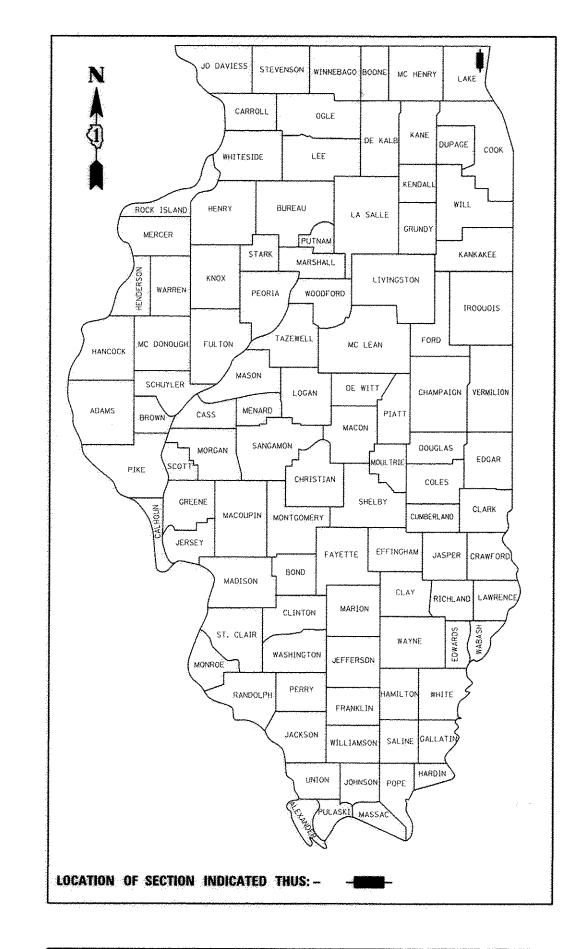


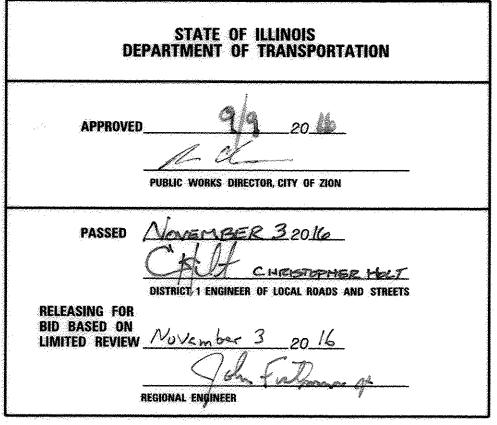
LORELEI DRIVE
GROSS LENGTH OF PROJECT = 5,550 LINEAL FEET (1.05 MILES)
NET LENGTH OF PROJECT = 5,550 LINEAL FEET (1.05 MILES)

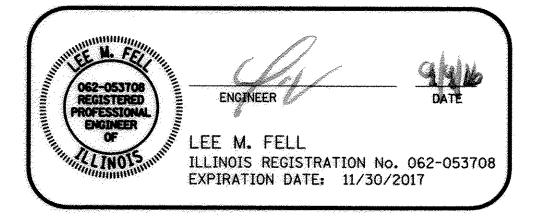
F.A.U SECTION COUNTY TOTAL SHEET NO.

1002 16-00087-00-RS LAKE 21 1

FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 61D41







PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1. 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE LATEST REVISION; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD. CODES OF THE IEPA TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE

ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL
BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS
OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE
PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION
OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR
SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS
AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY
TO THE SATISFACTION OF THE AGENCY, AT THE CONTRACTOR'S OWN EXPENSE.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND
MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE.

THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER. ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WATER, STORM SEWER AND SANITARY SEWER

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED. IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS. CONTACT THE CITY OF ZION WATER DEPARTMENT (TEL. 847-746-4060) FOR THEM TO TURN VALVES OR OPERATE HYDRANTS. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEM TEMPORARY ACCESS (ROAD) OR TEMPORARY ACCESS (PRIVATE ENTRANCE).

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT. SIDEWALK REMOVAL AND REPLACEMENT. DRIVEWAY REMOVAL AND REPLACEMENT. AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND WILL NOT EXCEED THE PLANNED QUANTITY.

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT INTERSECTING STREETS, DRIVEWAYS, AND ALLEYS AT THE LOCATIONS SHOWN ON THE PLANS, SEE DETAIL ON SHEET 22 FOR ADA RAMPS AT BIKE PATH LIMITS.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH ARTICLE 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES.

FRESH OIL SIGNS SHALL BE POSTED AT BOTH ENDS OF THE ROADWAY AND ALL SIDE STREETS AS DIRECTED BY THE ENGINEER. CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT ALL SIDE STREETS AND BOTH ENDS OF THE ROADWAY WHILE CONSTRUCTION IS IN PROGRESS.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT. SPECIAL.

CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80° OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED. THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

AT NO TIME SHALL LESS THAN HALF OF THE STREET BE AVAILABLE FOR PARKING.

ALL ROADS MUST HAVE ONLY ONE LONGITUDINAL JOINT WHILE PAVING.

VANDALISM - SPECIAL ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR "INSPECTION" AS WELL AS ARTICLE 107.30 OF THE "STANDARD SPECIFICATIONS." ANY DEFACED WORK AS DETERMINED AND DIRECTED BY THE CITY SHALL BE CORRECTED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT HIS SOLE EXPENSE PRIOR TO FINAL PAYMENT. THE CITY OF ZION WILL COOPERATE WITH THE CONTRACTOR TO MINIMIZE VANDALISM, BUT THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE TO CORRECT ANY DAMAGE. THE CITY WILL NOT BE RESPONSIBLE FOR THE SECURITY OF THE WORK SITE IN THIS REGARD, OTHER THAN NORMAL PATROLLING AND REPONSE TO EMERGENCIES. THE COST OF ADDITIONAL SECURITY REQUIRED TO MEET THIS SPECIAL PROVISION SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
COVER SHEET	1
GENERAL NOTES AND HIGHWAY STANDARDS	2
SUMMARY OF QUANTITIES	3
TYPICAL SECTIONS	4
EXISTING CONDITIONS AND REMOVAL PLAN	5–9
PROPOSED PLAN	10–14
CONSTRUCTION DETAILS	15
ADA RAMP AT BIKE PATH	16
FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	17
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-	22) 18
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	19
BUTT JOINT AND HMA TAPER DETAILS (BD-32)	20
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	21

HIGHWAY STANDARDS AND DISTRICT ONE DETAILS

IIIUIIVVAI SIF	INDANDO AND DIGINICI UNE DETAILO
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
604001-04	FRAME AND LIDS TYPE 1
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF ROAD OPERATIONS. 2L. 2W. 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE. 2L. 2W. SHORT TIME OPERATIONS
701311-03	LANE CLOSURE. 2L. 2W. MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L. 2W. UNDIVIDED
701701-10	URBAN LANE CLOSURE. MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
729001-01	APPLICATIONS OF TYPE A&B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL FOR SIDE ROADS. INTERSECTIONS. AND DRIVEWAYS

COUNTY

LAKE

ILLINOIS FED. AID PROJECT

CONTRACT NO.

21

61D41

FILE NAME =	USER NAME = Jhouseh	DESIG
N:\ZION\160172\C1v1l\not_160172-01.sht		DRAW
	PLOT SCALE = NOT TO SCALE	CHEC
	PLOT DATE - 12/2/2016	DATE

PLOT DATE = 12/2/2016	DATE		12/02/2016	REVISED	-
PLOT SCALE = NOT TO SCALE	CHECKED	-	LMF	REVISED	-
	DRAWN	And .	EDT	REVISED	-
USER NAME = Jhouseh	DESIGNED	-	JEH	REVISED	***

SCALE: N.T.S.

TO STA.

SUMMARY OF QUANTITIES

	CODE NO. 20201200	ITEM REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	UNIT CU YD	CONSTRUCTION CODE 0005 TOTAL QUANTITY 625
	20800150	TRENCH BACKFILL	CU YD	5
m. : 34	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,800
2	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	30
4 - 2 3	25200110	SODDING, SALT TOLERANT	SQ YD	30
(3.3 9	28000510	INLET FILTERS	EACH	26
~	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	625
~ 9	35800100	PREPARATION OF BASE	SQ YD	8300
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35800200	AGGREGATE BASE REPAIR	TON	440
~	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14,000
	40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	25
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	575
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	295
	40603080	HOT MIX ASPHALT BINDER COURSE, IL - 19.0, N50	TON	1,275
	40603335	HOT MIX ASPHALT SURFACE COURSE, "MIX D", N50	TON	2,100
~ 2	42400800	DETECTABLE WARNINGS	SQ FT	300
	44000166	HOT MIX ASPHALT SURFACE REMOVAL, 4 1/4 "	SQ YD	8263
	44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	9400
	44000600	SIDEWALK REMOVAL	SQ FT	1930
	44201737	CLASS "D" PATCHES, TYPE I, 8"	SQ YD	165
	44201741	CLASS "D" PATCHES, TYPE II, 8"	SQ YD	1,140
	44201745	CLASS "D" PATCHES, TYPE III, 8"	SQ YD	165
	44201747	CLASS "D" PATCHES, TYPE IV, 8"	SQ YD	165
~***3	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
~	67100100	MOBILIZATION	LSUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
~	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
*:**:@\ ****	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,700
52	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,700
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	150
	72000100	SIGN PANEL - TYPE 1	SQFT	12
	72900100	METAL POST - TYPE A	FOOT	16
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,550
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	950
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	300
~>	X0326862	STRUCTURES TO BE ADJUSTED	EACH	48
~	X0327890	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50
~	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	63
~~	X4022000	TEMPORARY ACCESS COMMERCIAL ENTRANCE)	EACH	23
~ `\	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQFT	1930
~>>	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	59
7.355	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	XX008348	MORTAR EXISTING STRUCTURE	EACH	2 //
~ 🧿			,	

FILE NAME =	USER NAME = jhouseh	DESIGNED -	JEH	REVISED -
N:\ZION\160172\Cıvıl\qua_160172-01.sht		DRAWN -	EDT	REVISED -
	PLOT SCALE = NOT TO SCALE	CHECKED -	LMF	REVISED -
	PLOT DATE = 10/31/2016	DATE -	10/31/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

LORELEI DRIVE SUMMARY OF QUANTITIES

SHEET NO. 3 OF 21 SHEETS STA. TO STA.

F.A.U SECTION COUNTY TOTAL SHEET SHEETS NO.

1002 16-00087-00-RS LAKE 21 3

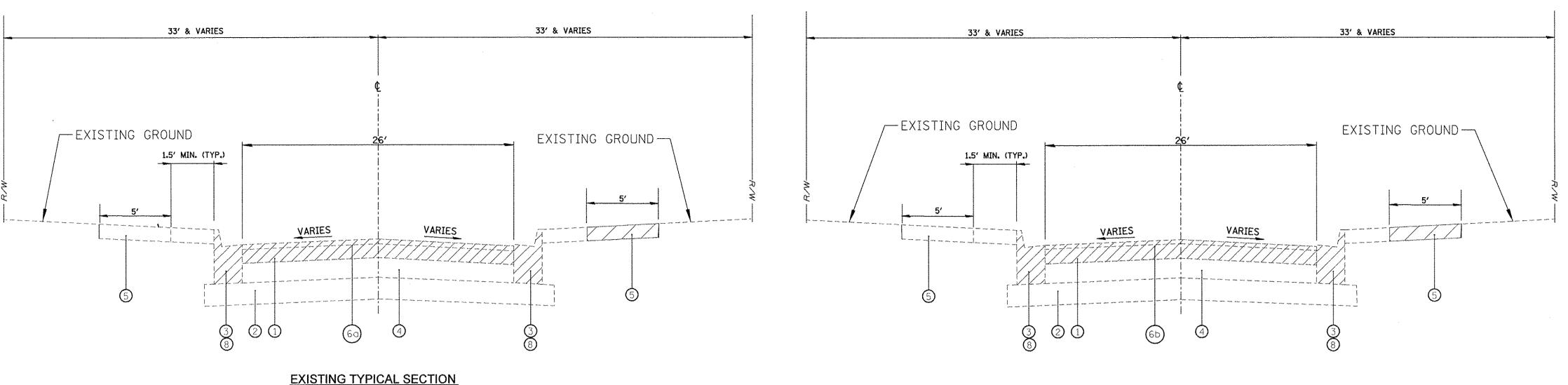
CONTRACT NO. 61D41

ILLINOIS FED. AID PROJECT

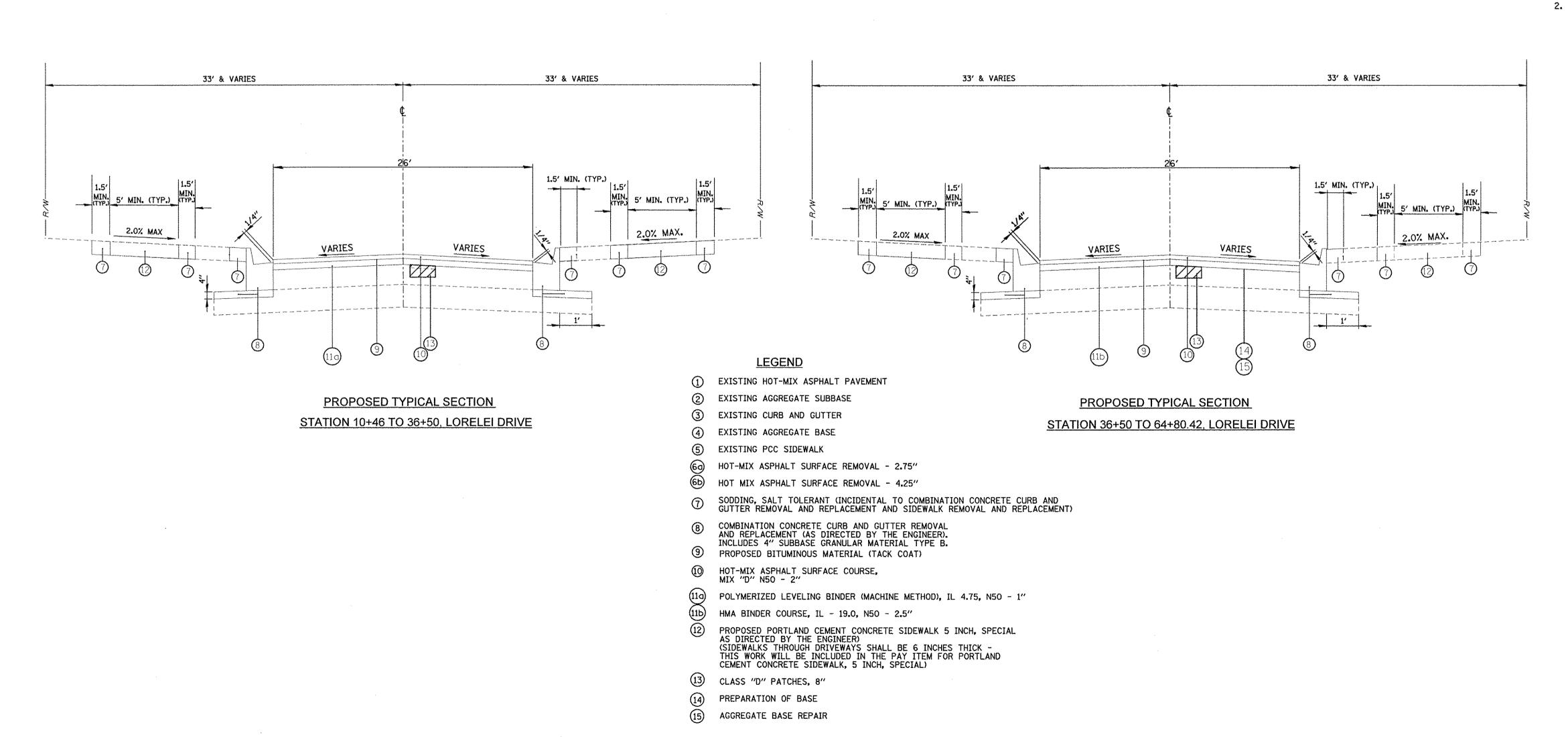
RT. 173 TO HIGHLAND EXISTING TYPICAL SECTION

STATION 10+46 TO 36+50, LORELEI DRIVE

HIGHLAND TO 9TH EXISTING TYPICAL SECTION



EXISTING TYPICAL SECTION STATION 36+50 TO 64+80.42, LORELEI DRIVE



NOTE

PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT.

NOTES:

- 1. THE HIGH SIDE OF THE ROADWAY SHALL BE PAVED FIRST.
- 2. AGGREGATE BASE REPAIR ANY NEW MATERIAL NECESSARY TO BRING THE EXISTING SUBBASE TO THE GRADE MIN. DEPTH 9" CROSS SLOPE OR WIDTH SHOWN SHALL BE PAID FOR UNDER THIS ITEM.
- 3. ANY AGGREGATE BASE REMOVAL DUE TO PROPOSED ASPHALT SHALL BE CONSIDERED INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2.75" AND 4.25".
- 4. ANY EXCAVATION OF DIRT/CLAY NECESSARY TO OBTAIN THE NECESSARY DEPTH FOR THE PROPOSED PAVEMENT SHALL BE PAY FOR AS REMOVAL AND AND DISPOSAL OF UNSUITABLE MATERIAL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS ITEM	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% c 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 1"	3.5% © 50 GYR.
HMA BINDER COURSE, IL-19.0, N50, 2.5"	4% @ 50 GYR.
CLASS "D" PATCHES. 8"	4% @ 70 GYR.

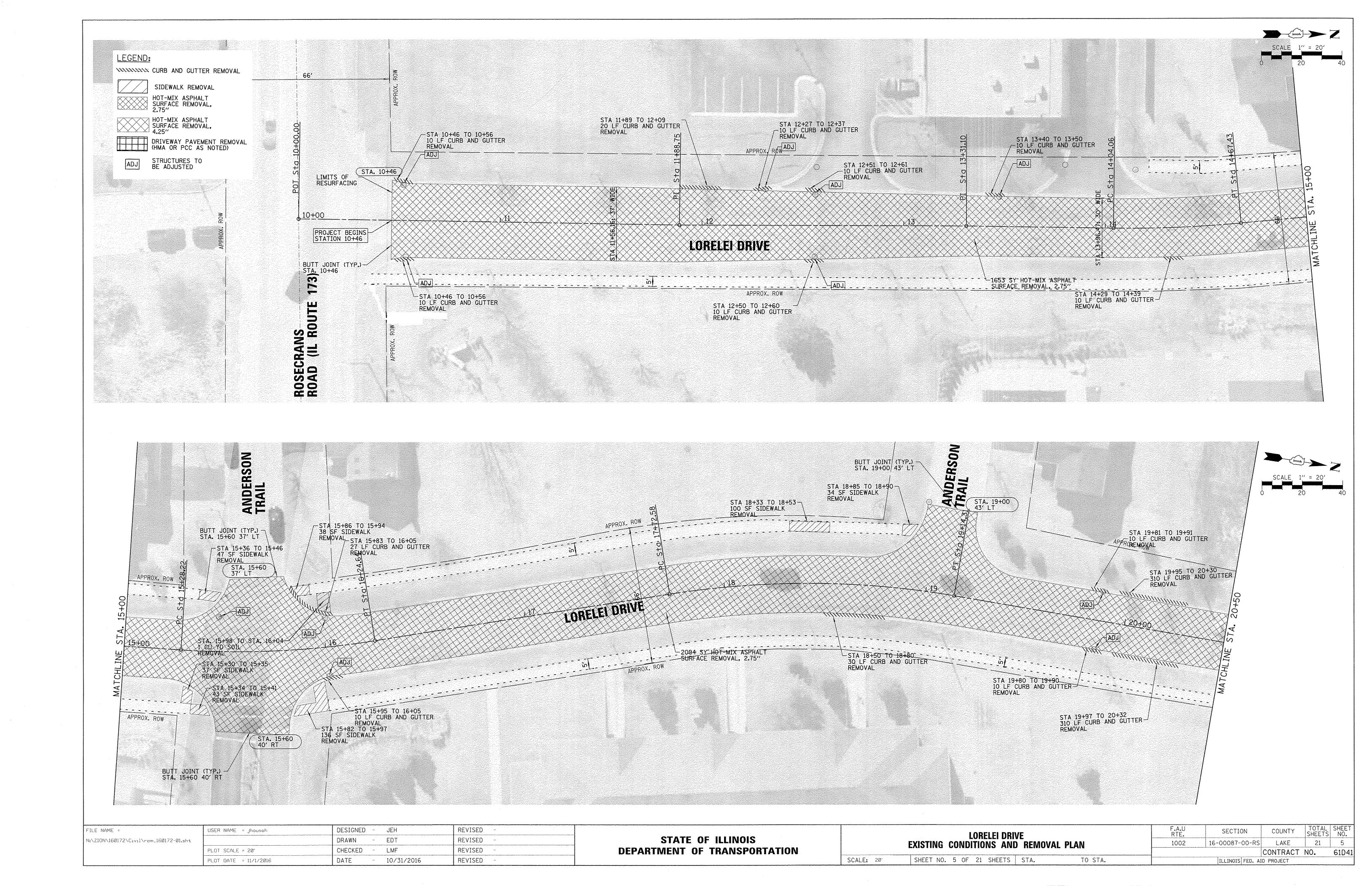
MIXTURE REQUIREMENT NOTES:

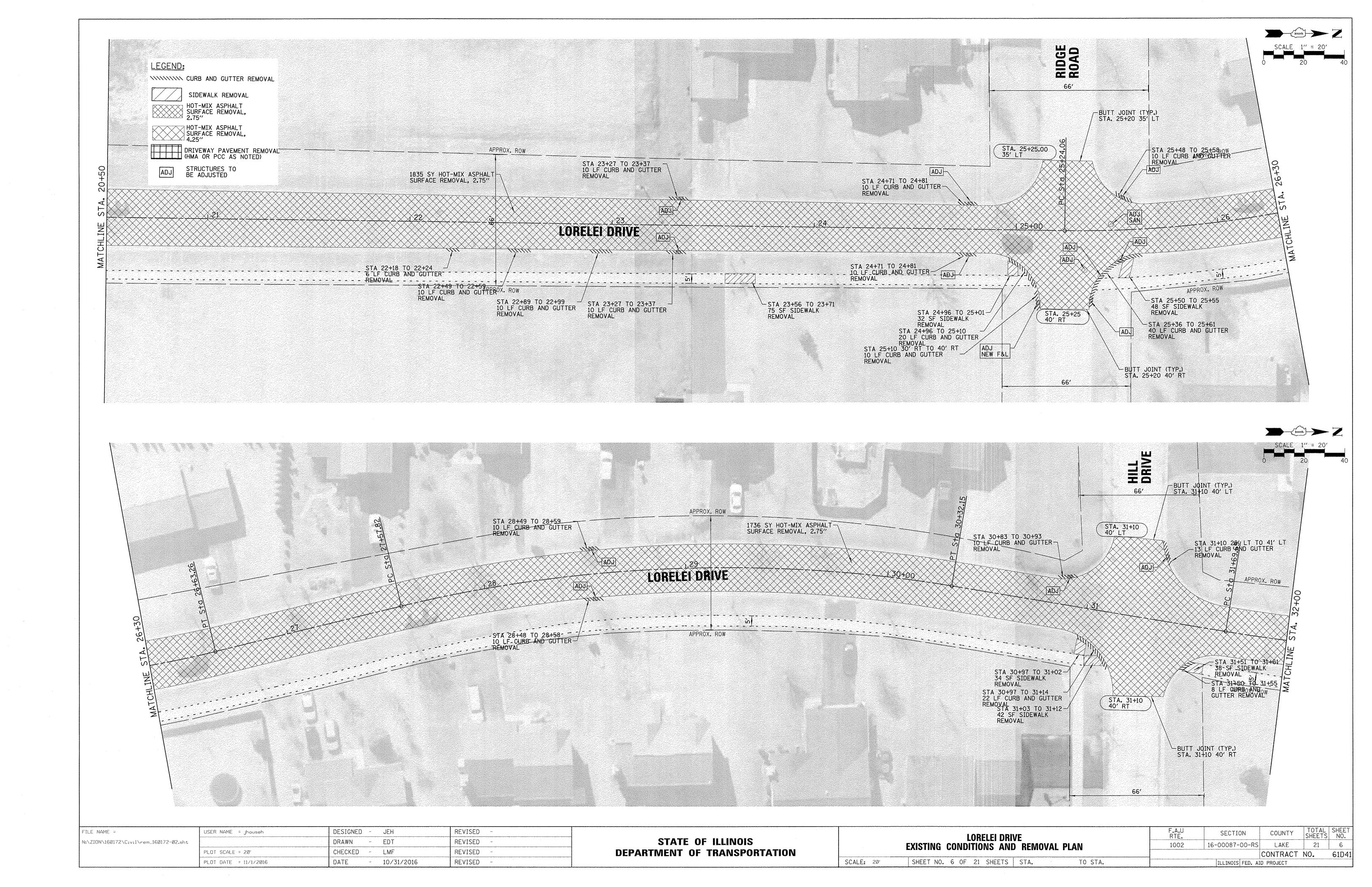
- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- 2. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

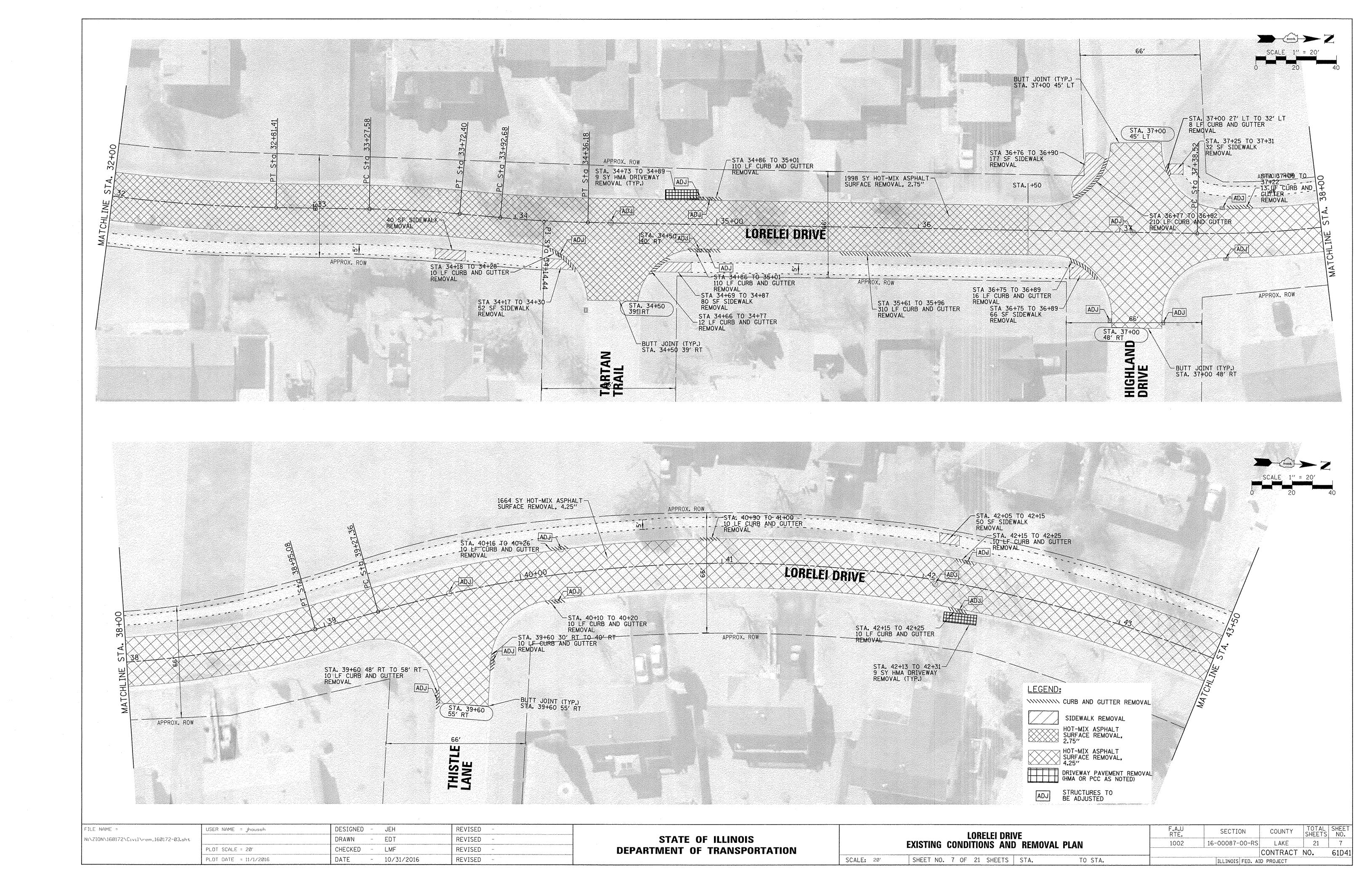
CORE DETAILS

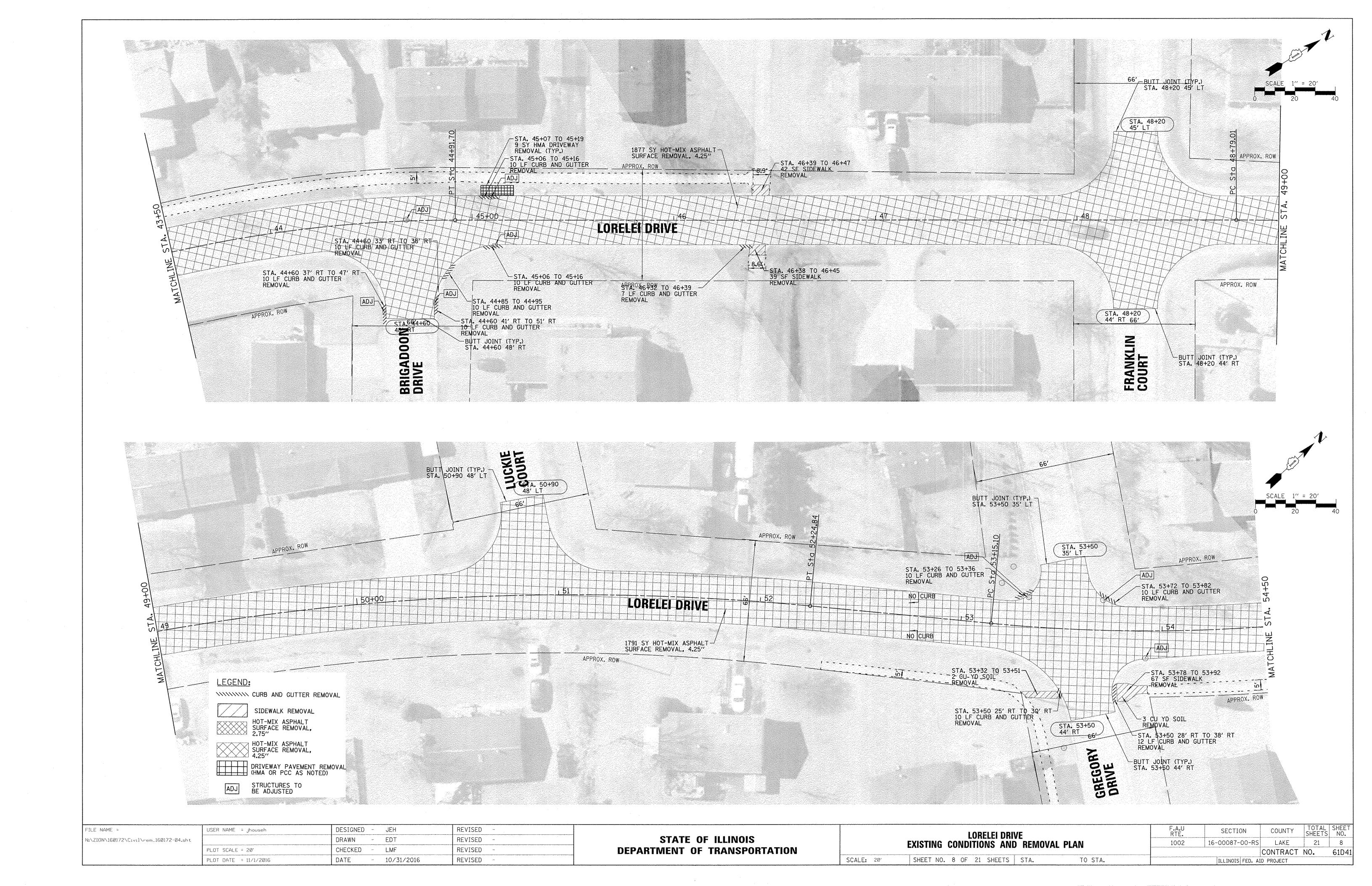
	CORE NUMBER (AS SHOWN IN REPORT)	ASPHALT TOTAL THICKNESS	SUBBASE THICKNESS	CORE STATION
VENUE	1	5 . 3''	12.0′′	N/A
ROSECRANS ROAD (RT. 173) TO HIGHLAND AVENUE	2	8.8′′	NONE	N/A
(RT. 173) TO	3	8.1′′	1.0′′	N/A
RANS ROAD	4	8 . 5′′	NONE	N/A
ROSEC	5	8.8′′	2.0"	N/A
	6	9.6′′	NONE	64+99.73
91H STREET	7	8.0′′	NONE	56+87.28
HIGHLAND AVENUE TO 9	8	3 . 5′′	16.5"	49+60.16
HIGHLAND /	9	4.0′′	17.0′′	44+25,69
	10	4.0′′	13.0′′	37+46.55
	AVG.	7.0′′	6.0′′	

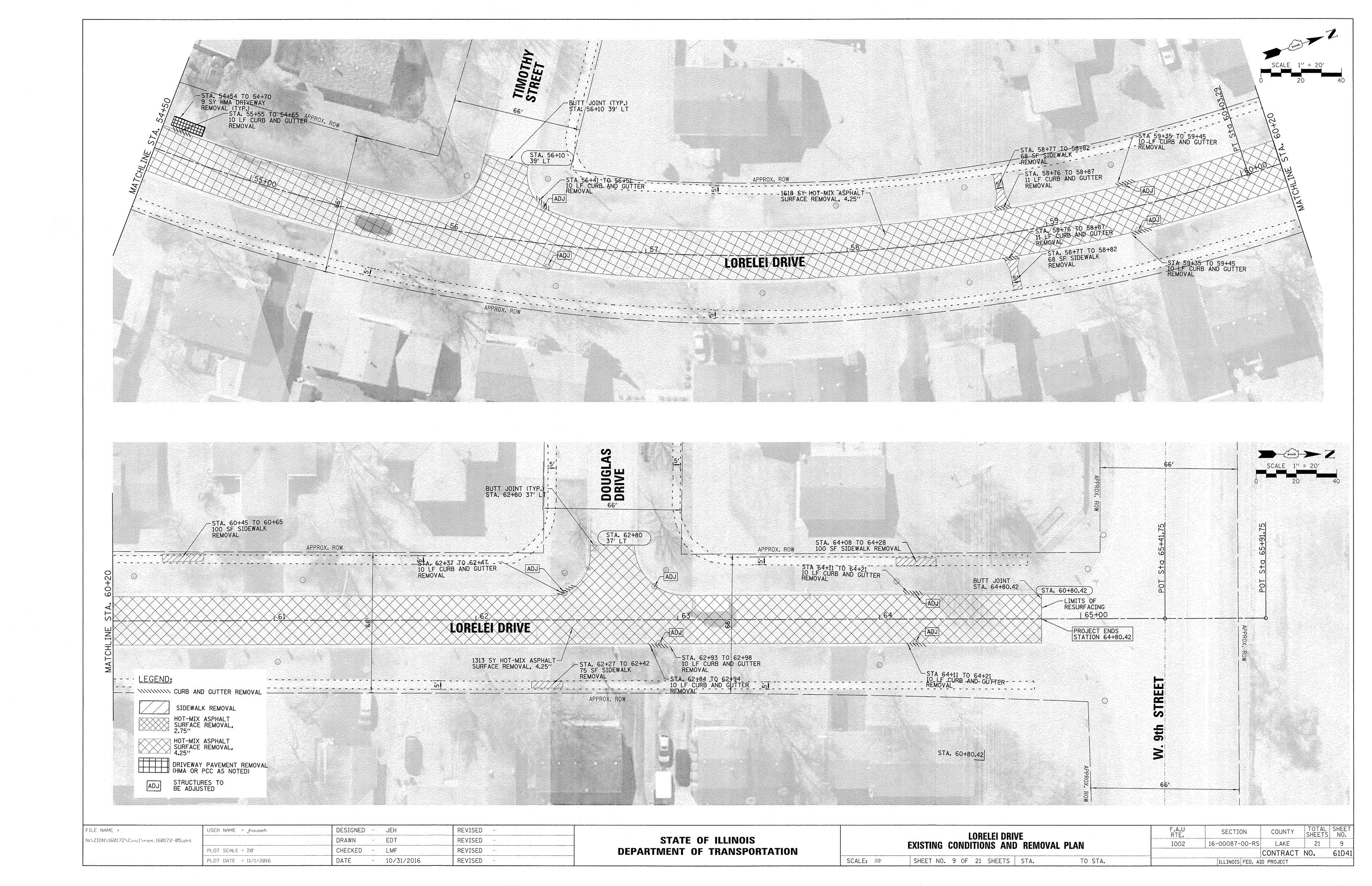
FILE NAME =	USER NAME = Jhouseh	DESIGNED - JEH	REVISED -		LOBELELDDIVE	F.A.U SECTION COUNTY TOTAL SHEET
N:\ZION\160172\Civil\typ_160172-01.sht		DRAWN - EDT	REVISED -	STATE OF ILLINOIS	TYPICAL SECTIONS	1002 16-00087-00-RS LAKE 21 4
	PLOT SCALE = NOT TO SCALE	CHECKED - LMF	REVISED -	DEPARTMENT OF TRANSPORTATION	TITIOAL SECTIONS	CONTRACT NO. 61D41
	PLOT DATE = 11/1/2016	DATE - 10/31/2016	REVISED -		SCALE: N.T.S. SHEET NO. 4 OF 21 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT

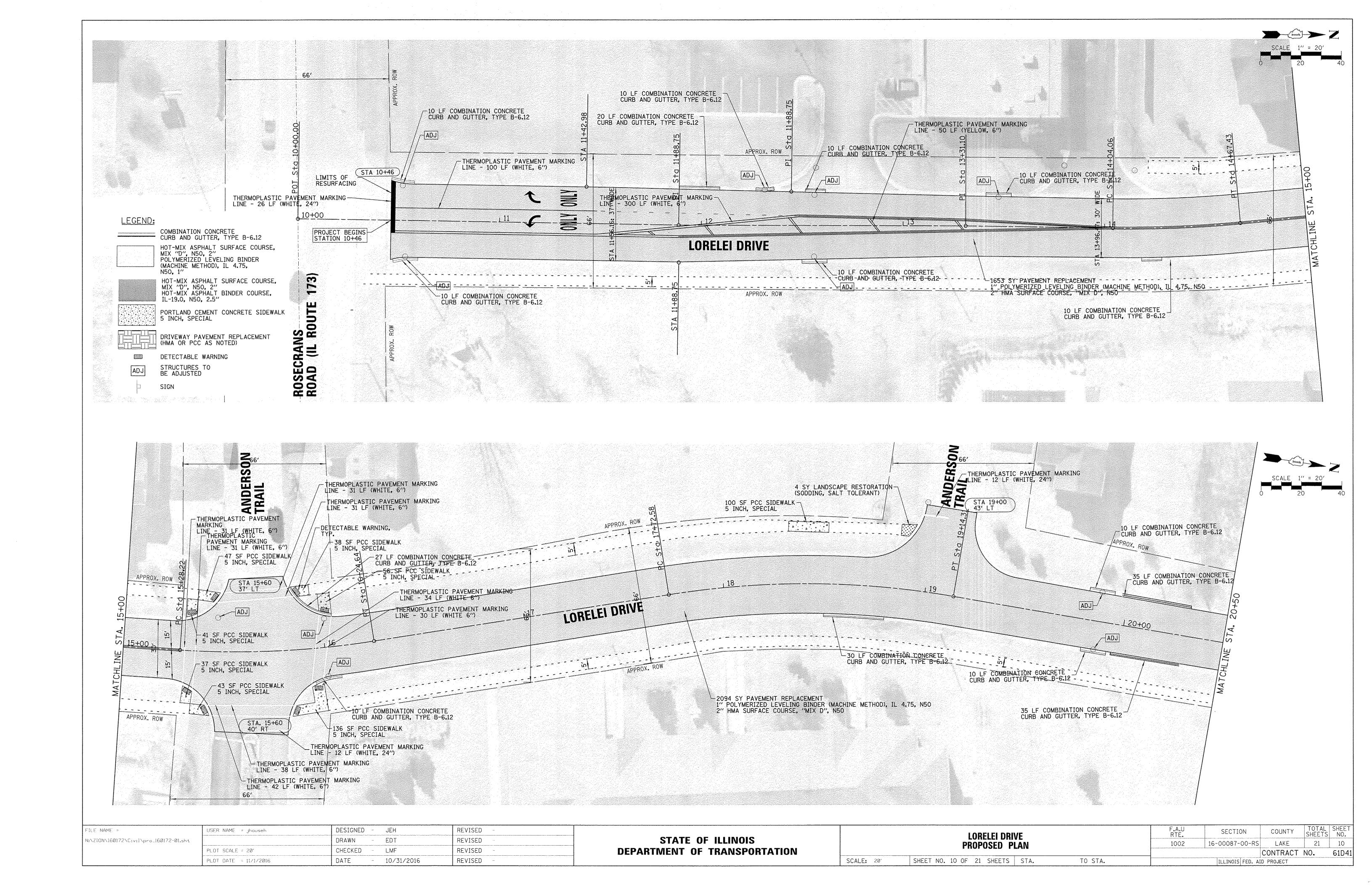


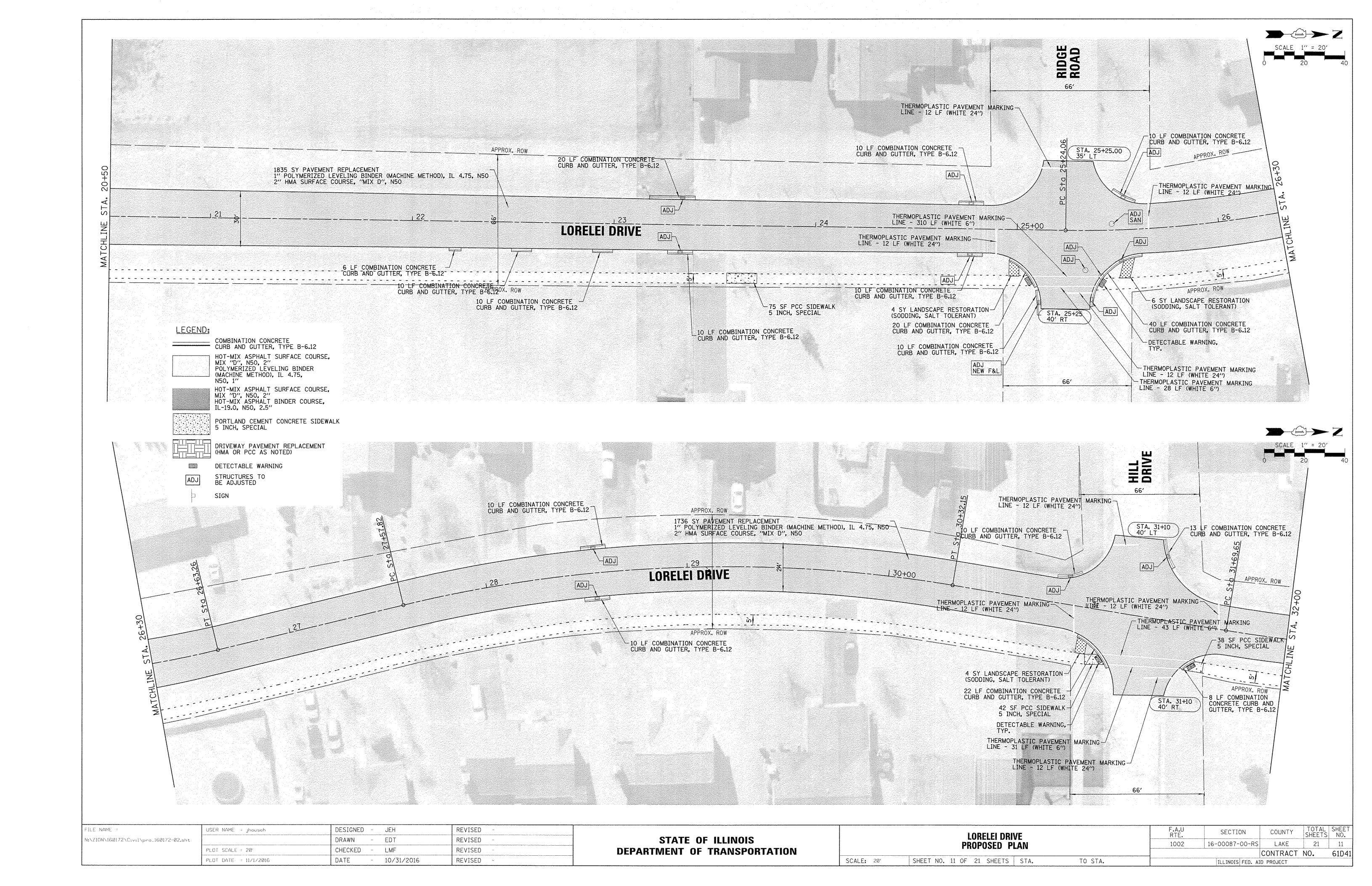


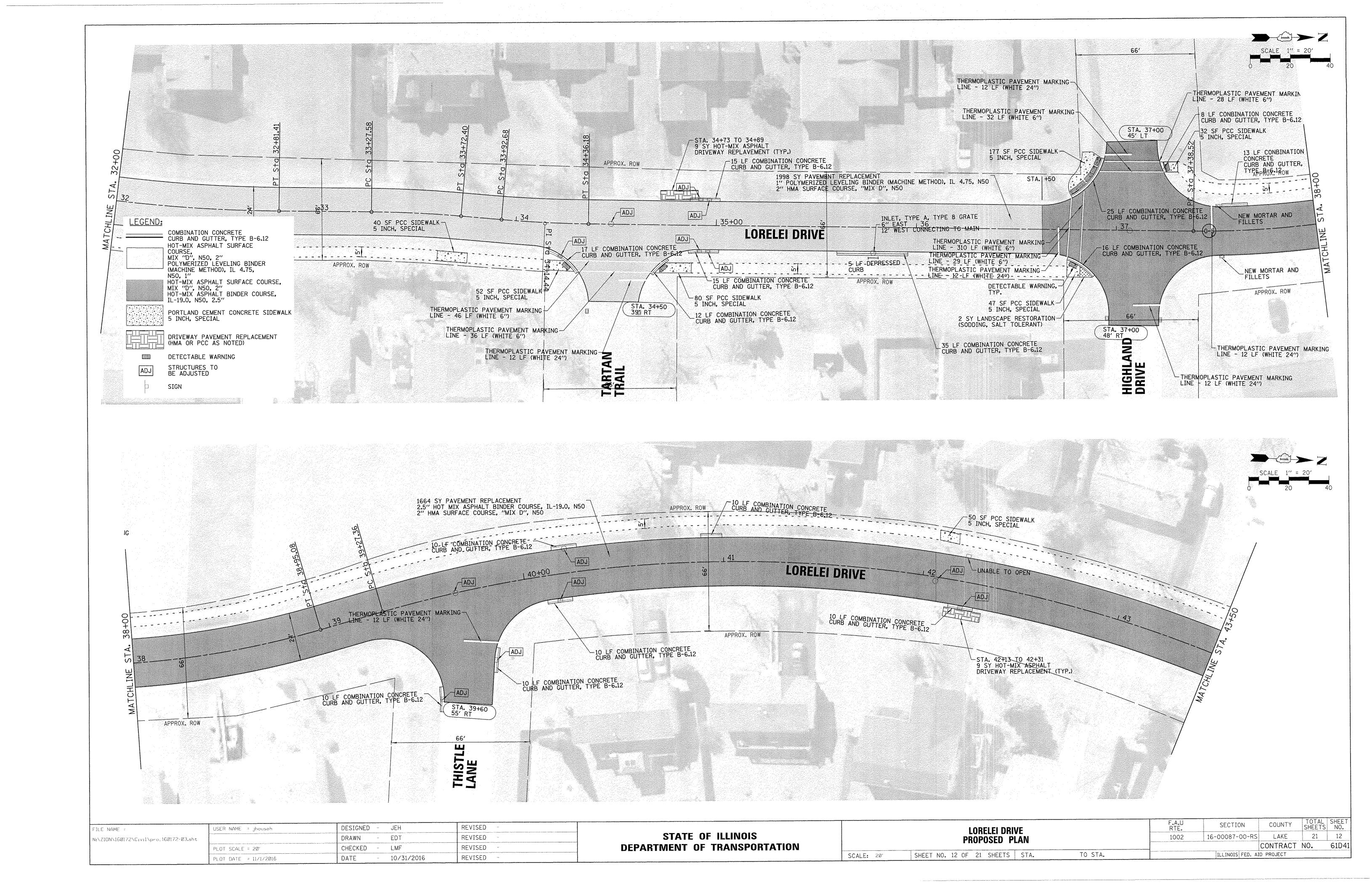


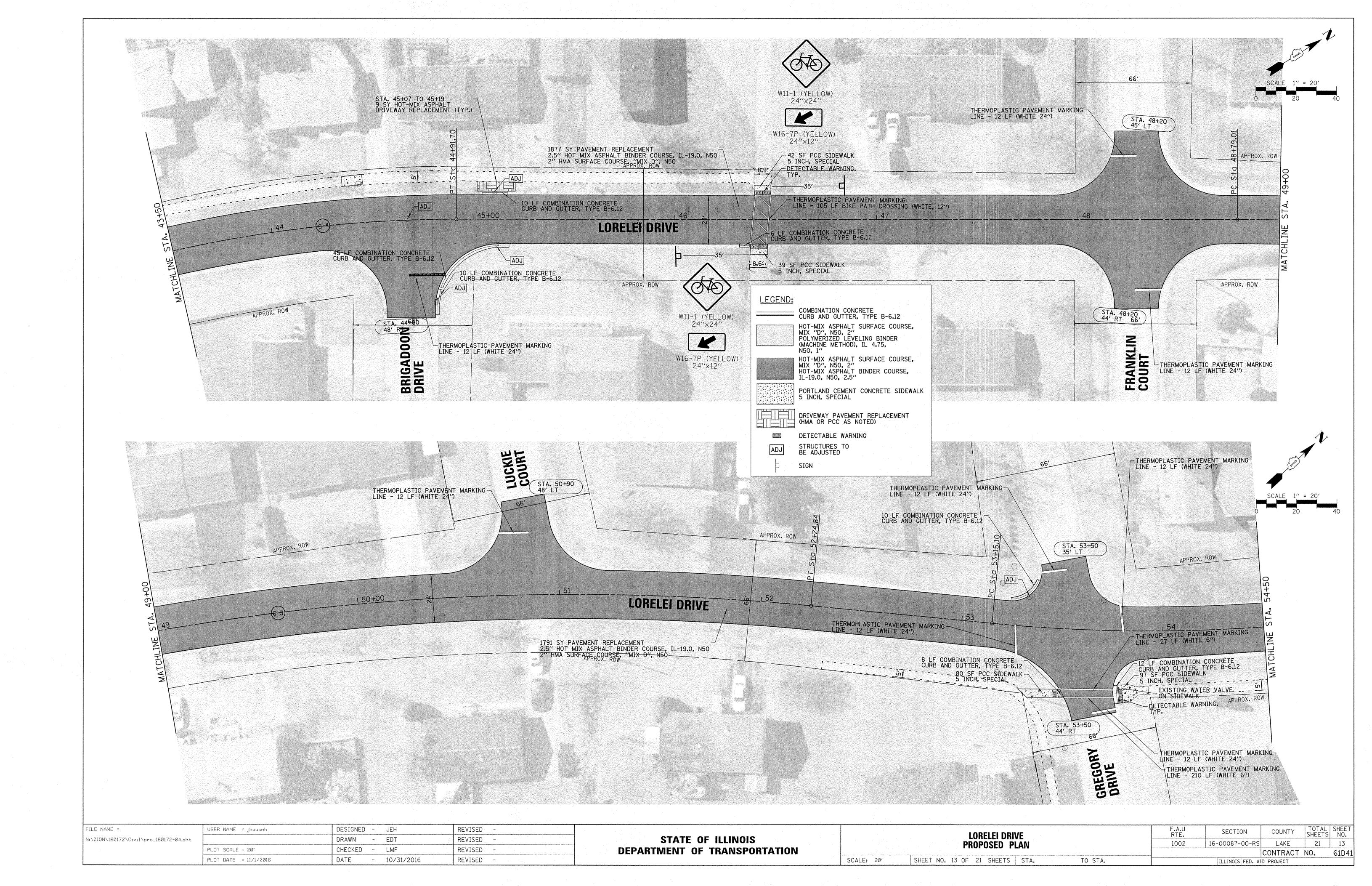


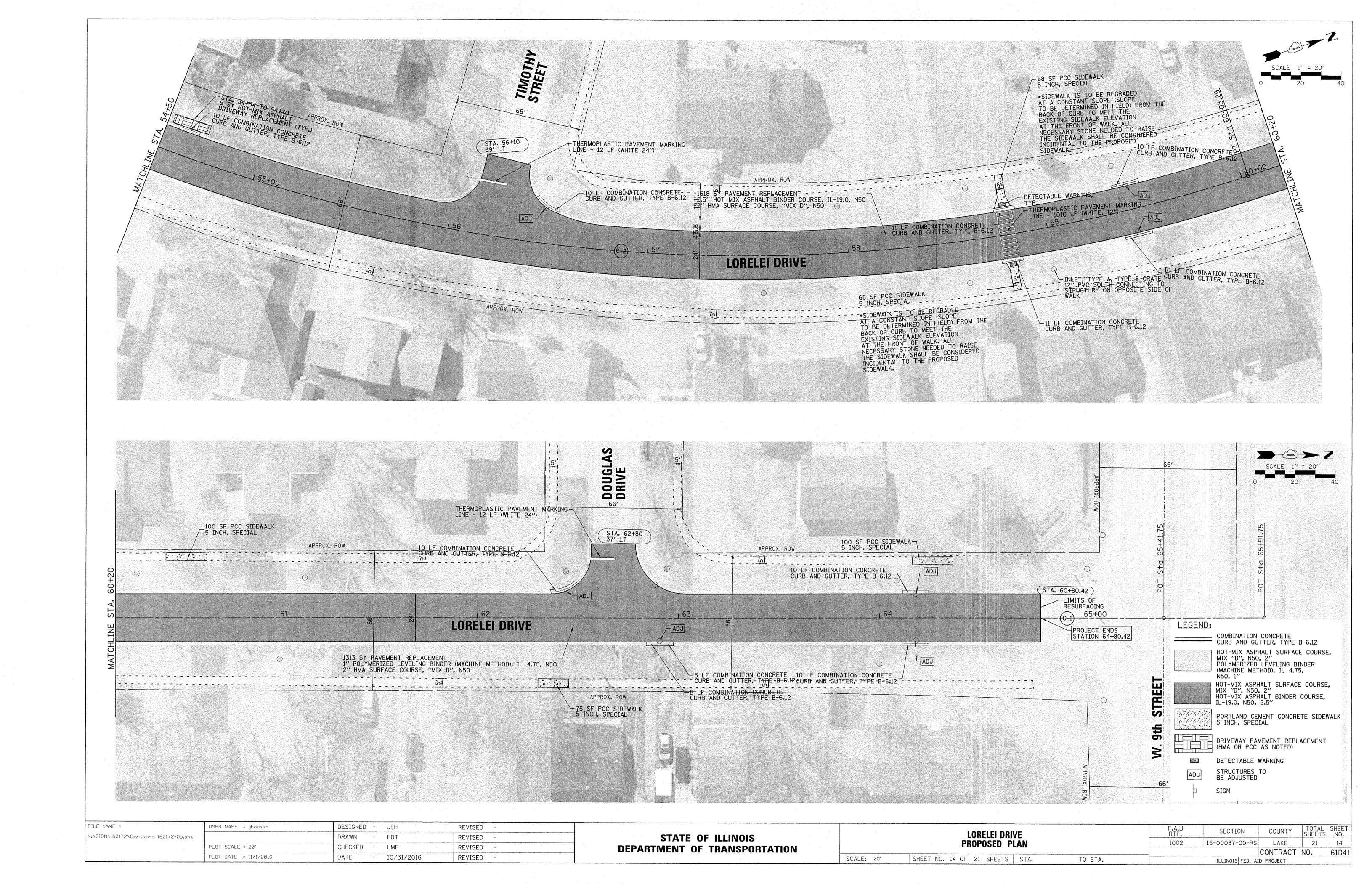












CONSTRUCTION PROCEDURES

STAGE I (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12" 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" DIAMETER
 METAL PLATE.

 D) BACKET! WITH CRUSHED STONE AND A MINIMUM 1"
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1"
 THICK HOT-MIX MATERIAL APPROVED BY THE ENGINEER.

STAGE II (AFTER PAVEMENT MILLING)

EXISTING BASE COURSE.

- A) REMOVE THE HOT-MIX MATERIAL AND CRUSHED STONE.
 B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS
- FINAL SURFACE ELEVATION.

 C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE TO THE ELEVATION OF THE SURFACE OF THE
- THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602 AND 603 OF THE STANDARD SPECIFICATIONS.

LOCATION OF STRUCTURES

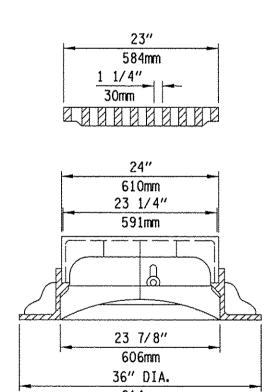
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

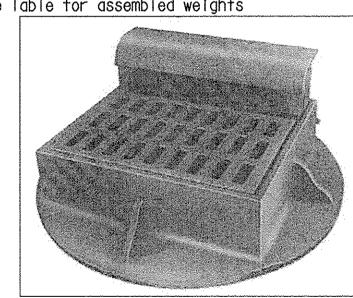
STRUCTURES TO BE ADJUSTED, SPECIAL

NOTES

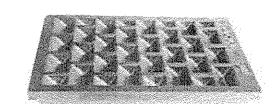
- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS AS FRAMES AND LIDS, TYPE 1, OF THE APPROPRIATE LID ACCORDING TO THE ENGINEER.
- 2. 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.
- 3. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- 4. EXTERNAL MANHOLE CHIMNEY SEAL SHALL BE PROVIDED AND SHALL CONSIST OF A RUBBER SLEEVE, COMPRESSION BAND AND EXTENSION SKIRT. RUBBER SLEEVE SHALL BE HIGH GRADE RUBBER COMPOUND CONFORMING TO ASTM C293 WITH A HARDNESS OF 45 PLUS OR MINUS 5. COMPRESSION BANDS SHALL BE 16 GAUGE TYPE 304 STAINLESS STEEL WITH A MINIMUM WIDTH OF 1 INCH. EXTENSION WEIGHT OF 12 OUNCES PER SQUARE YARD. EXTERNAL MANHOLE CHIMNEY SEAL SHALL BE MANUFACTURED BY CANUSA, INFISHIELD OR APPROVED EQUAL.



Heavy Duty
With Type M1 Grate and Type T1 Back
Approx. 130 sq. in. of opening
Curb Adjustable from 3 1/2" to 8" (89mm to 203mm)
See Table for assembled weights

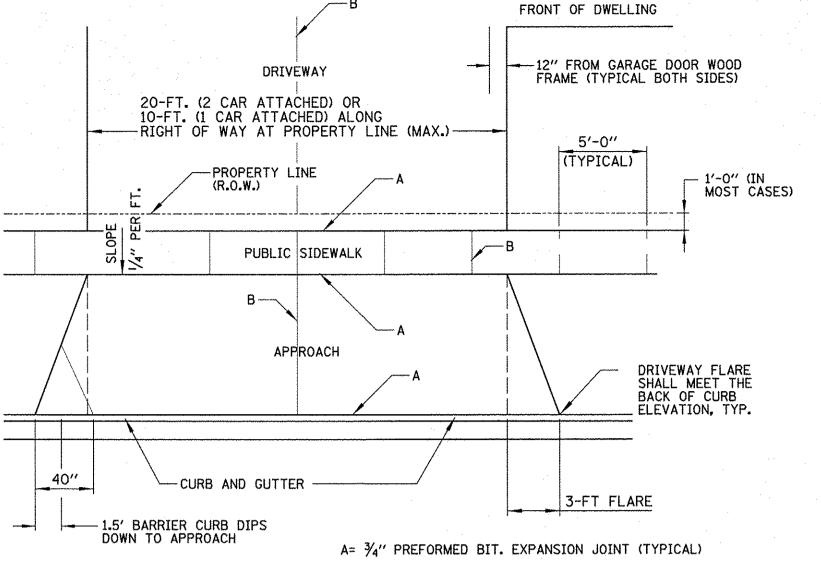


CATCH BASIN CURB INLETS



TYPE M4 Vane Grate Approx. 125 sq. in. of opening

· · · · · · · · · · · · · · · · · · ·				**************************************				
	Table	of Assemble	d Weights					
CATALOG		GRATE TYPE						
NUMBER	M1	М3	M4	M5				
Type T1 Back	3901bs (177kg)	3901bs (177kg)	3901bs (177kg)	3801bs (172kg)				
Type T2 Back	3751bs (170kg)	3751bs (170kg)	3751bs (170kg)	3651bs (166kg)				



B= TOLLED OR SAWED CONTRACTION JOINTS

DRIVEWAY WITH A CURB AND GUTTER

GENERAL NOTES:

1. DRIVEWAY SHALL HAVE A MIN. SLOPE OF 2% AND MAX. SLOPE OF 6%.

2. APPROACH SHALL HAVE A MIN. SLOPE OF 2% AND MAX. OF 6%.
3. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED. (95% PROCTOR)

4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS. (NO WIRE MESH)

5. MINIMUM THICKNESS FOR APPROACH. (NO WIRE MESH). THIS WILL BE PAID FOR BY THE FOLLOWING ITEMS:
A. 7" THK. P.C. CONCRETE ON 2" AGGREGATE BASE COURSE TYPE B OR

B. 3" THK. HOT-MIX ASPHALT SURFACE, MIX "D" N50 ON 6" AGGREGATE BASE COURSE TYPE B
6. SEEDING AND TOPSOIL, 4" (100) RESTORATION WILL BE PAID FOR SEPARATELY AS THEIR RESPECTVIE
PAY ITEMS.

ANS OR APPROVED EQUAL TO CAPTURE 4" OF FRAME, ALL RINGS AND 4" OF BARREL SECTION, CHIMNEY SEAL TO BE USED ON ALL SANITARY MANHOLES, AND ANY CATCH BASINS OR INLETS IN THE ROADWAY.

CHIMNEY SEAL TO BE CANUSA RAPID SEAL TYPE

ALL LIDS SHALL HAVE A 1" CONCEALED PICK HOLE AND THE WORD "STORM"

ALL FLAT TOP STRUCTURES SHALL HAVE A 4" CAST RING (TO BE INCLUDED IN THE COST OF "STRUCTURES TO BE ADJUSTED

IF THE STRUCTURE IS EXISTING, OR IN THE COST OF THE PROPOSED STRUCTURE IF THE STRUCTURE IS NEW).

VALLS:
PRECAST REINFORCED CONCRETE RISER UNITS
MINIMUM THICKNESSES:
5" FOR 4'-0" INSIDE DIAMETER
6" FOR 5'-0" INSIDE DIAMETER

AND CITY OF ZION LOGO CAST IN LID.

FRAME AND LID:

BOTTOM:
PRECAST REINFORCED AND CAST INTEGRAL WITH FIRST
VERTICAL SECTION.

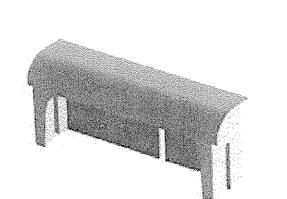
INSIDE DIAMETERS:
4'-0" FOR 18" MAIN SEWER AND UNDER
FOR MANHOLES 20' DEEP OR LESS
5'-0" FOR 21" TO 42" MAIN SEWER
FOR MANHOLES 20' DEEP OR DEEPER
BOTH INCLUSIVE

ADJUSTMENT RINGS:

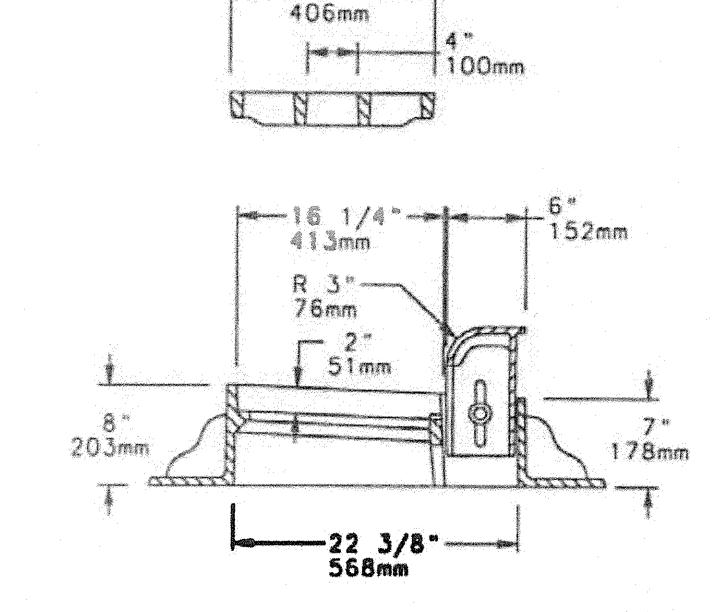
TOP ADJUSTMENT RING OR RISER RING
TO BE "INFRA-RISER" TYPE
GNR RECYCLED RUBBER OR APPROVED EQUAL
TOTAL OF 3 RINGS MAY BE USED
FOR A 8" MAX ADJUSTMENT

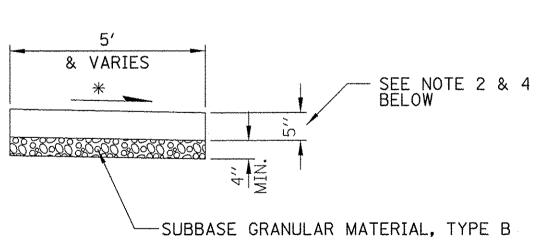
RISER JOINTS AND FRAME AND COVER:

ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS
AND MANHOLE FRAMES ON ALL UNDERGROUND STRUCTURESALL MANHOLES IN THE ROADWAY AND PARKWAY,
SHALL BE SET IN PLACE WITH ONE OF THE FOLLOWING
BUTYL RUBBER JOINT SEALANTS: CONCRETE PRODUCTS SUPPLY
CO. - EZ STIK 8, HAMILTON-KENT GASKET CO. - KENT SEAL,
AS APPROVED BY DISTRICT ENGINEER AND ALL
JOINTS TO BE TUCKPOINTED WITH HYDRAULIC CEMENT.



TYPE T1 Back Curb Adjustable from 3 1/2" to 8" (89mm to 203mm)

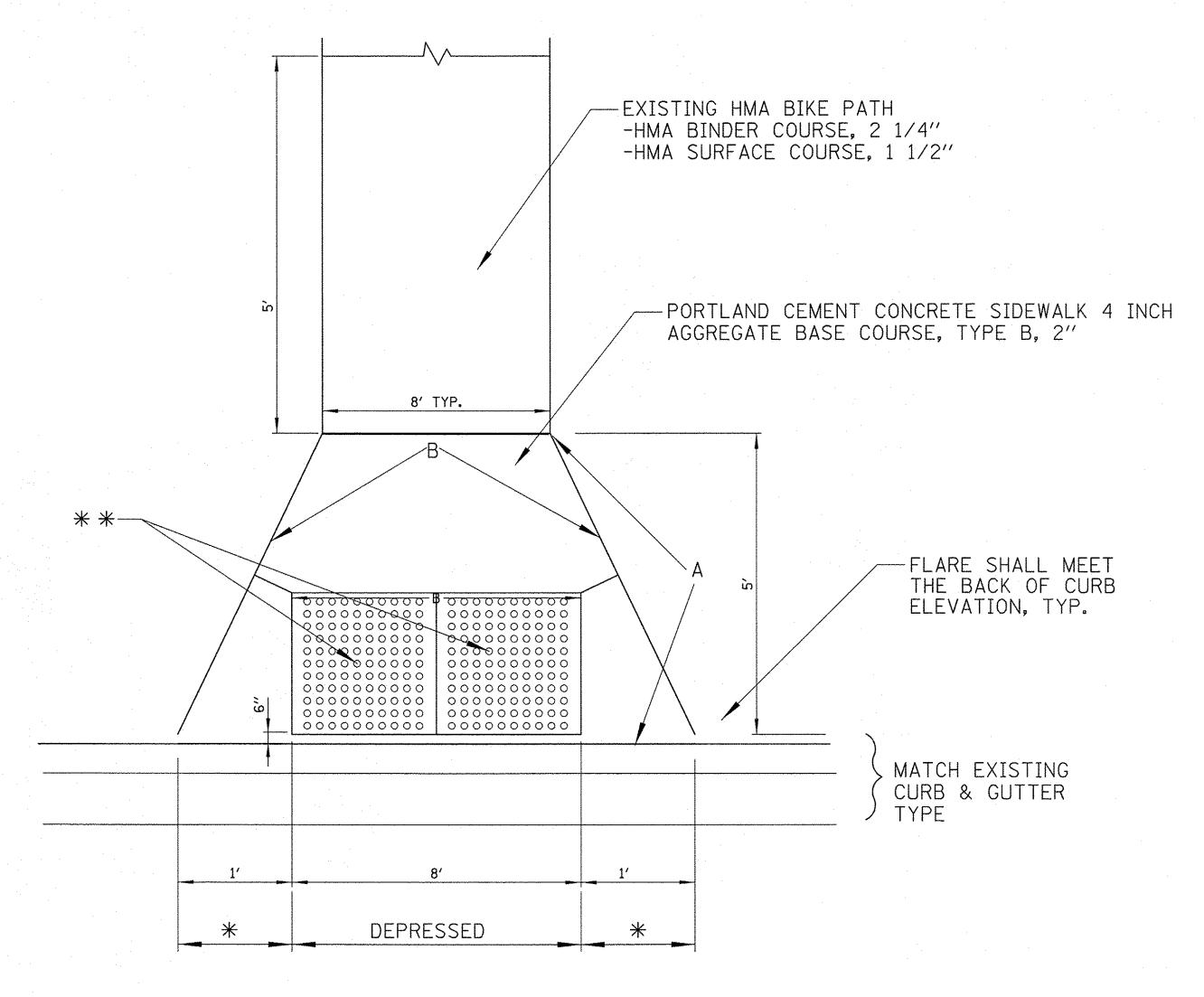




- * CROSS SLOPE 2% OR AS SHOWN ON CROSS SECTIONS
 - 1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, REMOVE AND REPLACE
- 2. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFIELD WITHIN 24 HOURS.
- 3. SEEDING AND TOPSOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF SIDEWALK REMOVAL AND REPLACEMENT.
- 4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS.

P.C.C. SIDEWALK DETAIL

FILE NAME =	USER NAME = jhouseh	DESIGNED - JEH	REVISED -		LORELEI DRIVE	F.A.U RTF	SECTION	COUNTY	TOTAL SHEET
N:\ZION\160172\Civil\det_160172-01.sht		DRAWN - EDT	REVISED -	STATE OF ILLINOIS	CONSTRUCTION DETAILS	1002	16-00087-00-RS	LAKE	21 15
	PLOT SCALE = NOT TO SCALE	CHECKED - LMF	REVISED -	DEPARTMENT OF TRANSPORTATION	OURDINOUNOR DETAILO		CC	ONTRACT N	vO. 61D41
	PLOT DATE = 11/1/2016	DATE - 10/31/20	16 REVISED -		SCALE: N.T.S. SHEET NO. 15 OF 21 SHEETS STA. TO STA.		ILLINOIS FED. AID P	ROJECT	(All almost and a security and you have been been been a strong to the or the best of the security and the s

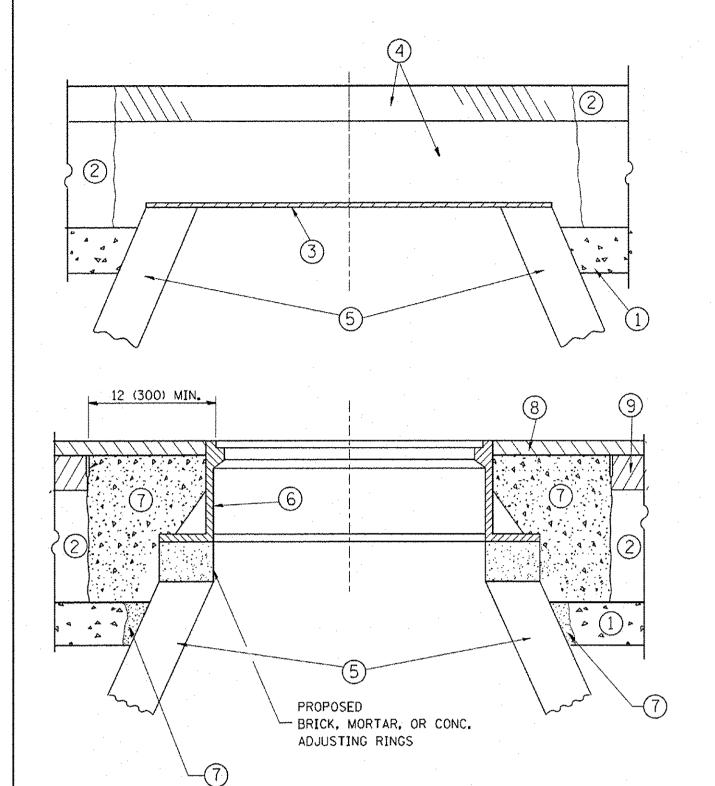


- * 1' TRANSITION FROM DEPRESSED CURB AND GUTTER TO FULL HEIGHT CURB AND GUTTER
- * * DETECTABLE WARNING PLATES
- $A = \frac{1}{2}$ " PREFORMED EXPANSION JOINT (TYP.)
- B = TOOLED OR SAWED CONTRACTION JOINT

ADA RAMP AT BIKE PATH

NOT TO SCALE

FILE NAME =	USER NAME = jhouseh	DESIGNED - JEH	REVISED -		LORELEI DRIVE	F.A.U SECTION COUNTY TOTAL SHEET
N:\ZION\i60172\Civil\std_160172-04.sht PLOT		DRAWN - EDT	REVISED -	STATE OF ILLINOIS	ADA RAMP AT BIKE PATH	1002 16-00087-00-RS LAKE 21 16
	PLOT SCALE = NOT TO SCALE	CHECKED - LMF	REVISED -	DEPARTMENT OF TRANSPORTATION	AVA NAIVIP AT DIRE PATH	CONTRACT NO. 61D41
	PLOT DATE = 11/1/2016	DATE - 10/31/2016	REVISED -		SCALE: N.T.S. SHEET NO. 16 OF 21 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT



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.

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 11/2 (40)
 THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS 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 EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- 1 SUB-BASE GRANULAR MATERIAL
- 6 FRAME AND LID (SEE NOTES)
- 2 EXISTING PAVEMENT
- 7 CLASS PP-1* CONCRETE
- 3 36 (900) DIAMETER METAL PLATE
- 8 PROPOSED HMA SURFACE COURSE
- PROPOSED CRUSHED STONE AND HMA SURFACE MIX

(5) EXISTING STRUCTURE

9 PROPOSED HMA BINDER COURSE

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:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

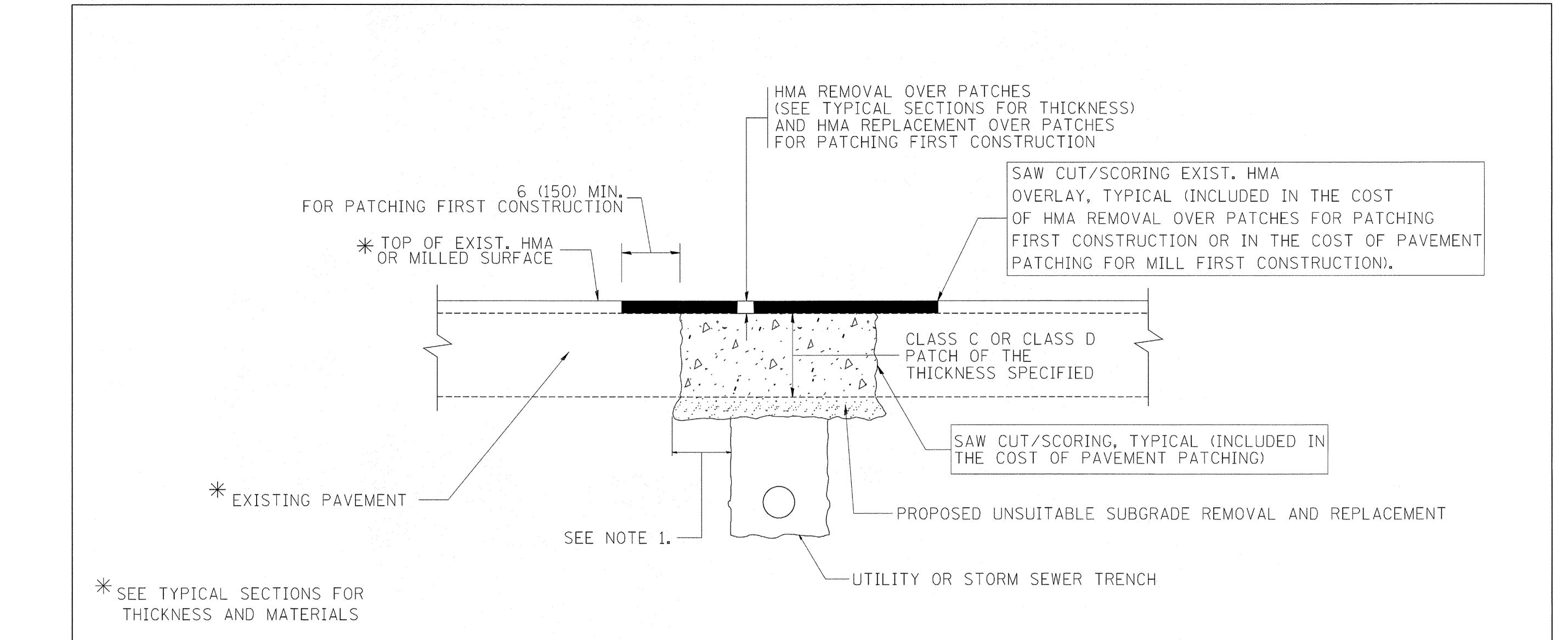
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerd1	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04		DETAILS FOR	F.A. SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\bauerdl\d0108315\bd08.	dgn	DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS	DETAILS FOR	1002 16-00087-00-RS	LAKE 21 17
	PLOT SCALE = 1968.5000 '/.m	CHECKED -	REVISED - R. BORO 03-09-11	DEPARTMENT OF TRANSPORTATION	FRAMES AND LIDS ADJUSTMENT WITH MILLING	BD600-03 (BD-8)	CONTRACT NO. 61D41
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		AID PROJECT

bd03.dan 12/6/2011 10:53:13 AM User=baserell



NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

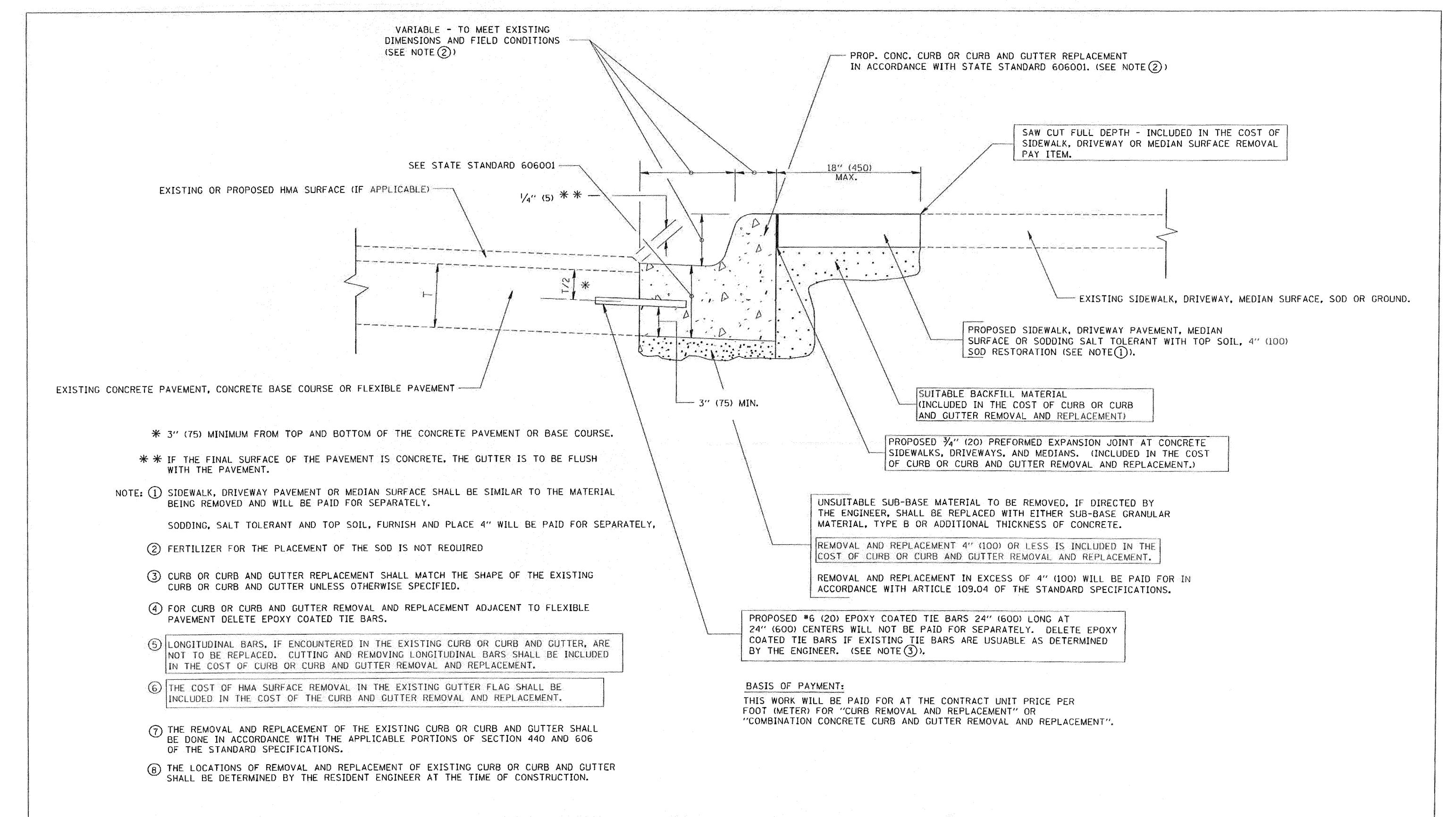
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST $4/_2$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

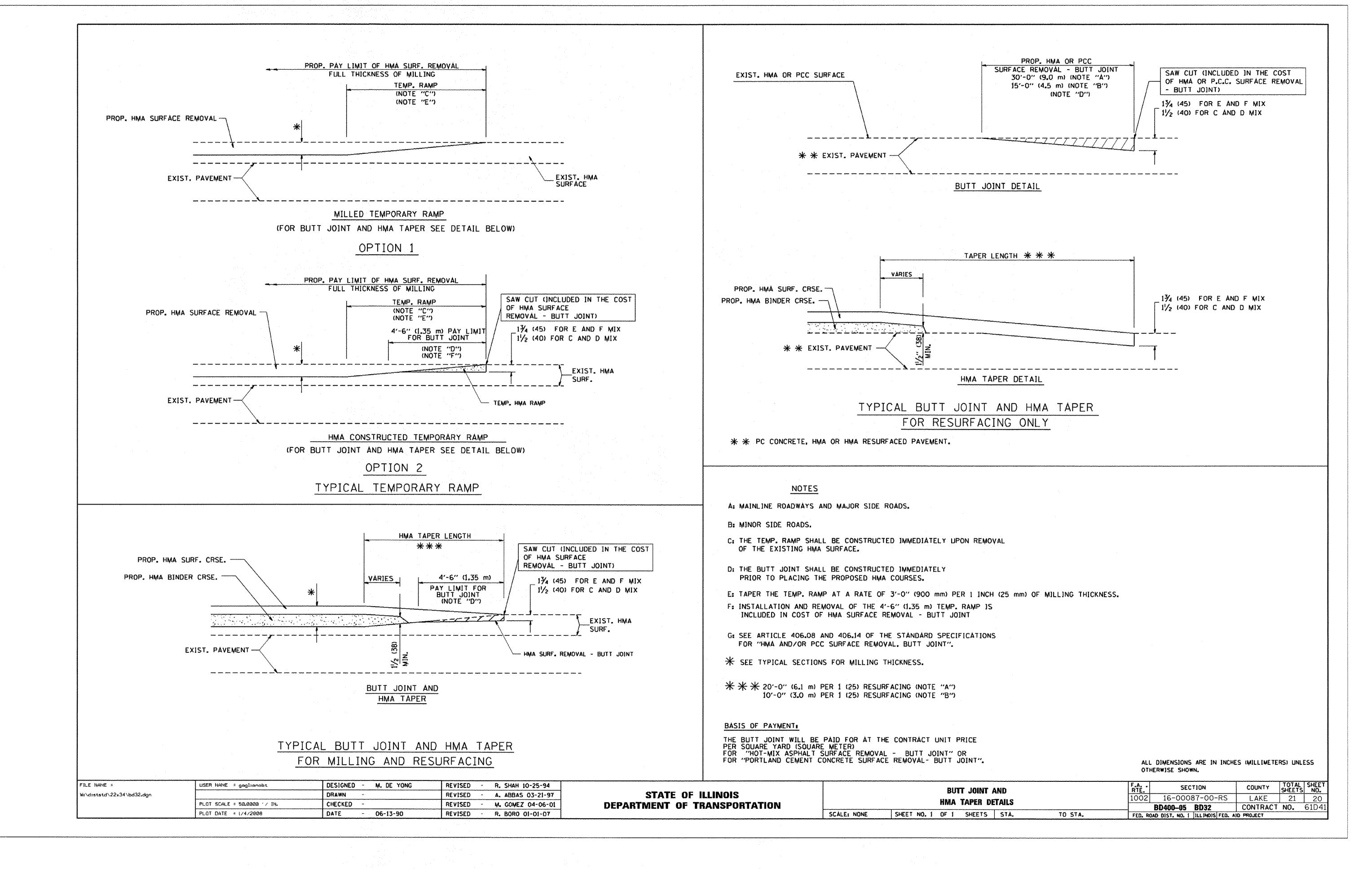
FILE NAME =	USER NAME = bouerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98		PAVEMENT PATCHING FOR	F.A RTE.	SECTION	COUNTY SHE)TAL SHEET EETS NO.
c:\projects\diststd22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS	·	1002	16-00087-00-RS	LAKE 2	21 18
	PLOT SCALE = 50.000 '/ IN.	CHECKED - :	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION	HMA SURFACED PAVEMENT	<u> </u>	100-04 (BD-22)	CONTRACT NO	O ₋ 61D41
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		IST. NO. 1 ILLINOIS FED.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

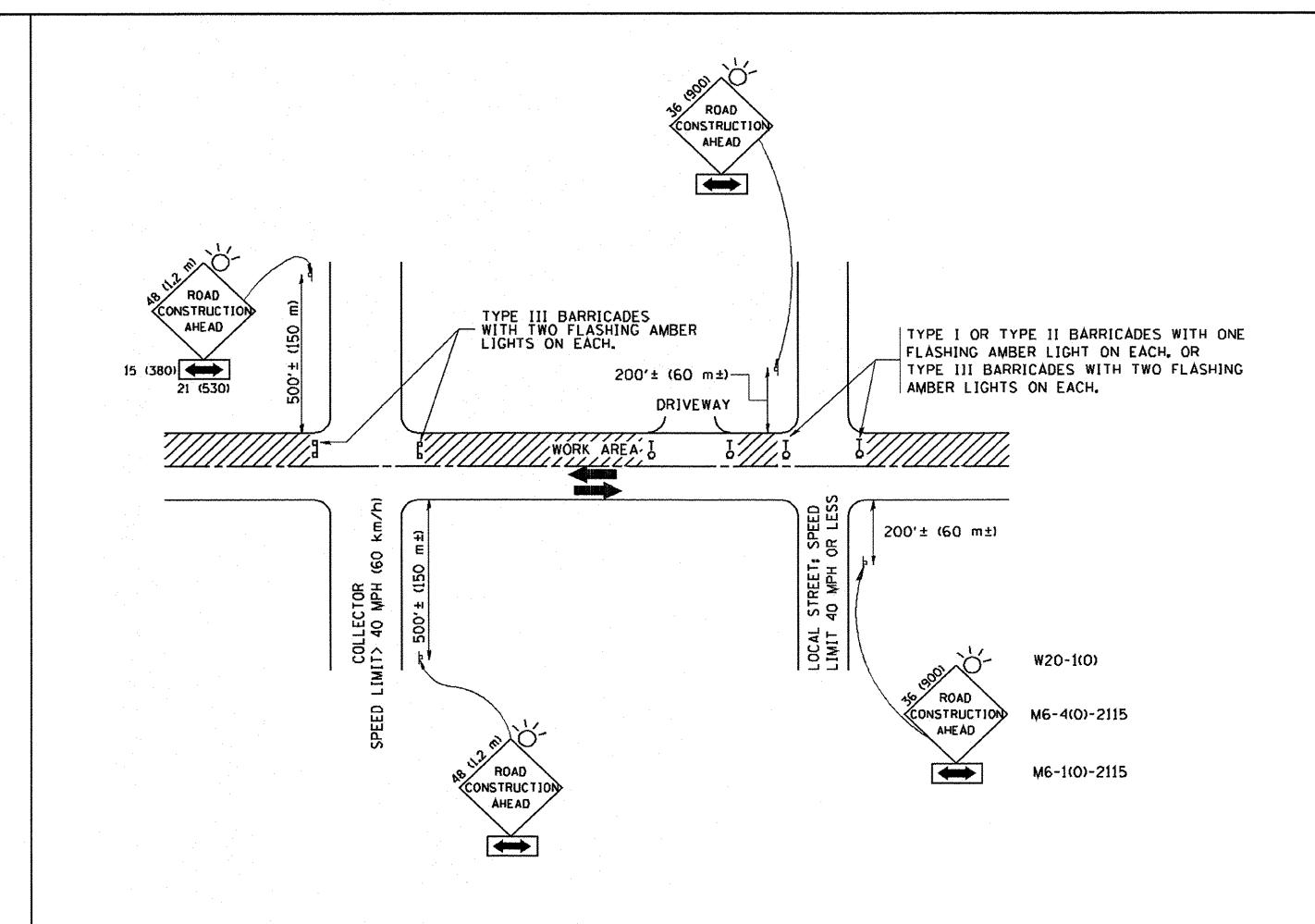


CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivokosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	e filosoficio de la companya de la La companya de la co	CURB OR CURB AND GUTTER	F.A. SECTION COUNTY SHEET
ci\pw_work\pwidot\drivakosgn\d8108315\bd	24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS		1002 16-00087-00-RS LAKE 21 19
	PLOT SCALE = 58.000 // 14.	CHECKED -	REVISED - M. GOMEZ 01-22-01	DEPARTMENT OF TRANSPORTATION	REMOVAL AND REPLACEMENT	BD600-06 (BD-24) CONTRACT NO. 61D41
	PLOT 0ATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINDIS 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:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 × 36 (900×900) 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:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 48 × 48 (1.2 m × 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 WAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-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.

TOTAL SHEET SHEETS NO. USER NAME = gaglianobt REVISED - J. OBERLE 10-18-95 FILE NAME = DESIGNED - LHA COUNTY SECT10N TRAFFIC CONTROL AND PROTECTION FOR STATE OF ILLINOIS REVISED - A. HOUSEH 03-06-96 DRAWN W:\diststd\22x34\tcl0.dgn 21 21 16-00087-00-RS LAKE 1002 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS PLOT SCALE = 50.000 '/ IN. CHECKED -DEPARTMENT OF TRANSPORTATION REVISED - A. HOUSEH 10-15-96 CONTRACT NO. 61D41 TC-10 DATE - 06-89 PLOT DATE = 1/4/2008 REVISED -T. RAMMACHER 01-06-00 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT