06-11-2021 LETTING ITEM 090

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	1
	ILLINOIS	CONTRACT NO. 61H05		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN ROUTE 1210 (BRICKVALE DRIVE)
OVER WILLOW CREEK
CULVERT REPLACEMENT
SECTION 15-00061-00-BR
PROJECT B3N9(565)
VILLAGE OF ELK GROVE VILLAGE
DUPAGE COUNTY
C-91-007-16

DESIGN SPEED

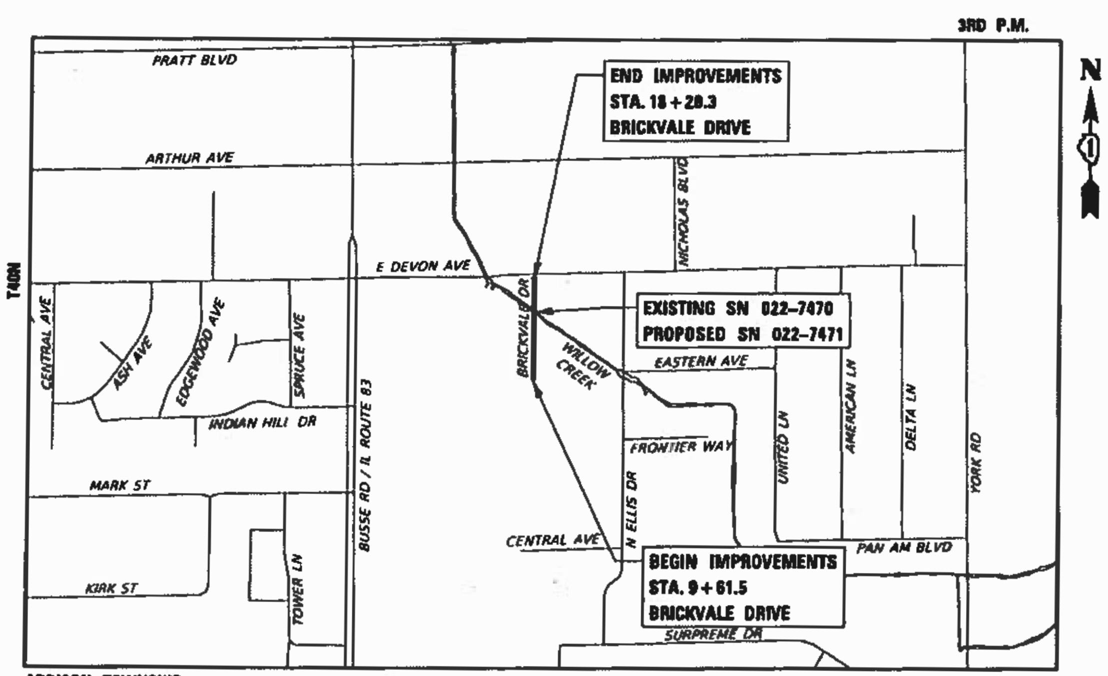
BRICKVALE DRIVE – 35 MPH

POSTED SPEED

BRICKVALE DRIVE – 30 MPH

FUNCTIONAL CLASSIFICATION

BRICKVALE DRIVE – LOCAL ROAD (2016 ADT=400)



LOCATION MAP
(NOT TO SCALE)

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

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

PROJECT LENGTH

GROSS LENGTH = 866.8 FT. (0.164 MILES)
NET LENGTH = 866.8 FT. (0.164 MILES)

SIGNED
EXPIRES 11-30-2020
DATE 02-22-2021
FOR DRAWINGS 32 TO 36

DAVID J. KREEGER
062-058261
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNED
EXPIRES 11-30-2021
DATE 02-22-2021
FOR DRAWINGS 1 TO 31, 37 TO 54

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED February 25 20 21
ELK GROVE VILLAGE DIRECTOR OF PUBLIC WORKS

PASSED March 23 20 21
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW MARCH 23 20 21
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PLANS PREPARED BY:

CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, P.E. SCHAUMBURG, IL

CONTRACT NO. 61H05

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
515001-04	NAME PLATE FOR BRIDGES
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD 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
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720006-04	SIGN PANEL ERECTION DETAILS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT ONE STANDARDS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2021; 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" 2014, 7TH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
2. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED.
3. THE ENGINEER AND ALL UTILITY COMPANIES AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
5. WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES IN ACCORDANCE WITH ARTICLES 105.07, 107.20, AND 107.31. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.

LANDSCAPING

1. THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR THE SODDED AREA ABUTTING EXISTING TREES, LEAVING A 5' DIAMETER RING AROUND THE EXISTING TREES.

MISCELLANEOUS

1. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

PAVING, CURB & GUTTER AND SIDEWALK

1. HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
2. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
3. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
4. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
5. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

STORM & SANITARY SEWER

1. UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND SEWERS AS SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF EXISTING STRUCTURES WHICH ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS.

   DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED BY THE CONTRACTOR.

UTILITIES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
2. COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, PETROLEUM, SEWER AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE UTILTY OWNER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS/HER CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT THE RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.
5. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
6. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT.
7. STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS HAVE BEEN SHOWN BASED ON FIELD INVESTIGATIONS. THE FINAL DETERMINATION FOR WHETHER THE WORK TO BE PERFORMED IS AN ADJUSTMENT OR RECONSTRUCTION WILL BE MADE BY THE ENGINEER IN THE FIELD.
8. THE MAXIMUM HEIGHT OF ADJUSTING RINGS ON UTILITY STRUCTURES SHALL BE 8". CONCRETE ADJUSTMENT RINGS LESS THAN 4 INCHES SHALL NOT BE ALLOWED. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC RINGS AND RING WEDGES SHALL BE USED FOR ALL ADJUSTMENTS LESS THAN 4" OR IN COMBINATION WITH 4 INCH MINIMUM CONCRETE ADJUSTMENT RINGS. BRICKS SHALL NOT BE ALLOWED.

COMMITMENTS

1. THE VILLAGE OF ELK GROVE VILLAGE WILL CONTACT BUSINESSES LOCATED ON BRICKVALE DRIVE AT LEAST SEVEN DAYS IN ADVANCE OF CONSTRUCTION OF THE CULVERT.

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	DRAWN - KDC	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
GENERAL NOTES

SCALE: NTS | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	2
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
						0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
	X	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	27	27			
	X	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18			
X		20101000	TEMPORARY FENCE	FOOT	936	936			
X	X	20101200	TREE ROOT PRUNING	EACH	17	17			
X	X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	12	12			
X	X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6			
		20200100	EARTH EXCAVATION	CU YD	307	307			
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	250	250			
X		20800150	TRENCH BACKFILL	CU YD	1345	365	980		
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	900	290	610		
	X	25200110	SODDING, SALT TOLERANT	SQ YD	829	219	610		
X	X	25200200	SUPPLEMENTAL WATERING	UNIT	150	50	100		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	19	6	13		
		28000400	PERIMETER EROSION BARRIER	FOOT	174	174			
		28000510	INLET FILTERS	EACH	6	6			
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	900	290	610		
		28100105	STONE RIPRAP, CLASS A3	SQ YD	46	46			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: NTS | SHEET 1 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	3
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

						CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
X		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	567	567			
		31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	3	3			
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	214	102	112		
		31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	281	253	28		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2225			2225	
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5			5	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	58			58	
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	138			138	
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	369			369	
		40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	224	224			
		40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	497	497			
		42001300	PROTECTIVE COAT	SQ YD	993	537	456		
		44000100	PAVEMENT REMOVAL	SQ YD	497	497			
		44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	3297			3297	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	421	232	189		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	500	353	147		
		44000600	SIDEWALK REMOVAL	SQ FT	1948	963	985		

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PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	4
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
						0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
		44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	25		25		
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	244		244		
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	233		233		
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	700		700		
		50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2			
		50105220	PIPE CULVERT REMOVAL	FOOT	227	227			
		50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	136	136			
		51500100	NAME PLATES	EACH	1	1			
		52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	823	823			
		54010906	PRECAST CONCRETE BOX CULVERTS 9' X 6'	FOOT	177	177			
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	234	234			
		550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	9	9			
		55100700	STORM SEWER REMOVAL 15"	FOOT	14		14		
		55100900	STORM SEWER REMOVAL 18"	FOOT	170		170		
		55101100	STORM SEWER REMOVAL 21"	FOOT	11	11			
X	X	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	139		139		
X	X	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	877	121	756		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	5
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

						CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
X	X	56200300	WATER SERVICE LINE 1"	FOOT	412		412		
X	X	56200500	WATER SERVICE LINE 1 1/2"	FOOT	33		33		
X	X	56400810	FIRE HYDRANT EXTENSION	FOOT	6		6		
X	X	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3		3		
X	X	56500800	DOMESTIC WATER SERVICE BOXES	EACH	11		11		
X	X	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		5		
X		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	727	345	382		
X	X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50			
X	X	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
X	X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
X	X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
X	X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10			
X		67100100	MOBILIZATION	L SUM	1	1			
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120	120			
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	846	846			
X		70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	2816	2816			
X		70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	11	11			

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BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	6
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

						CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	179	179			
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	120	120			
		70600240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2			
		70600340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2			
	X	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4		4		
	X	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4		4		
	X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	27	27			
	X	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	4	4			
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	26	26			
X	X	81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	370	370			
X	X	A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
X	X	A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3			
X	X	C2000524	SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	7	7			
X	X	C2009640	SHRUB,SAMBUCUS CANADENSIS (COMMON ELDERBERRY),3' HEIGHT BALLED AND BURLAPPED	EACH	2	2			
X	X	X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	54	54			
X	X	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	54	54			
X		X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	234	234			

MODEL: $MODELNAME$
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	7
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

						CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
X	X	X1200002	CASING PIPE, OPEN CUT, 24" PVC	FOOT	82		82		
X		X1200111	PRECAST BOX CULVERT END SECTION	EACH	2	2			
X	X	X1200238	WATERMAIN FITTINGS	POUND	5915	860	5055		
X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	75	25	50		
X	X	X2200018	ORNAMENTAL FENCE	FOOT	74	74			
X	X	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.25	0.25			
X	X	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.25	0.25			
X	X	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	71	71			
X		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	2	8		
X		X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	442	253	189		
X		X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1286	527	759		
X		X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	810	810			
X	X	X5620030	WATER SERVICE CONNECTION 1"	EACH	12	2	10		
X	X	X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	1		1		
X	X	X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	3		3		
X	X	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2		2		
X		X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	650	408	242		

MODEL: $MODELNAME$
FILE NAME: ...\3455_SOQ.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 50.0000 ' / In.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	8
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
						0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
X		X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	4	4			
X		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X		X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1209	1209			
X	X	XX002982	GATE VALVES, 6"	EACH	3		3		
X	X	XX003032	GATE VALVES, 12"	EACH	2		2		
X		XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1			
X	X	XX006826	REMOVE AND RELOCATE LAWN SPRINKLER SYSTEM	FOOT	200		200		
X	X	XX007334	PVC CASING PIPE 4"	FOOT	66		66		
X	X	XX008839	WATER MAIN TO BE ABANDONED	L SUM	1		1		
X		Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	93	93			
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
X	X	Z0015000	CURB STOPS 1"	EACH	10		10		
X	X	Z0015200	CURB STOPS 1 1/2"	EACH	1		1		
X		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	7		7		
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	263	25	238		
X	X	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4	4			
X		Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	702	121		581	

MODEL: $MODELNAME$
FILE NAME: ...\3455_SOQ.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
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PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

SCALE: | SHEET 7 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	9
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	100% LOCAL	100% LOCAL	80% FED / 20% LOCAL
						0010	0043	0005	0042
						BRIDGE REPLACEMENT	WATER MAIN REPLACEMENT	RESURFACING	TRAINEES
X		Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	14		14		
X		Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	174		174		
X		Z0062456	TEMPORARY PAVEMENT	SQ YD	377	377			
X		Z0076600	TRAINEES	HOUR	500				500
X		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				500
X	X	XX009461	EVERGREEN, JUNIPERUS COMMUNIS (COMMON JUNIPER), CONTAINER GROWN, 18" HEIGHT	EACH	14	14			

MODEL: $MODELNAME$
FILE NAME: ...\3455_SOQ.dgn

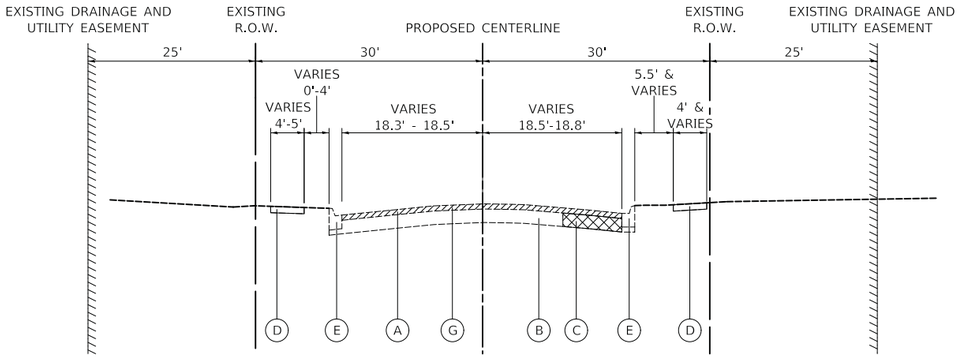
USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SUMMARY OF QUANTITIES

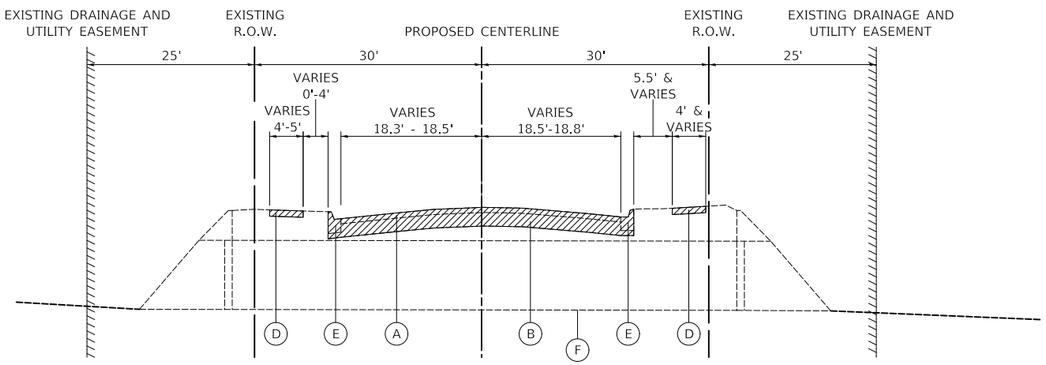
SCALE: | SHEET 8 OF 8 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	10
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION
BRICKVALE DRIVE

STATION 9+61.5 TO STATION 15+42.6
STATION 16+63.4 TO STATION 18+28.3



EXISTING TYPICAL SECTION
BRICKVALE DRIVE

STATION 15+42.6 TO STATION 16+63.4

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, 2½"
- (B) EXISTING POZZOLANIC BASE COURSE, 7½" (REMOVAL INCLUDED IN "PAVEMENT REMOVAL")
- (C) PROPOSED CLASS D PATCH, 8"
  (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (D) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (E) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- (F) EXISTING DUAL CORRUGATED METAL PIPE CULVERT
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

REMOVAL ITEMS

CLASS D PATCH, 8"

MODEL: $MODELNAMES
FILE NAME: ...\03-Typicals\053455-Typicals.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	
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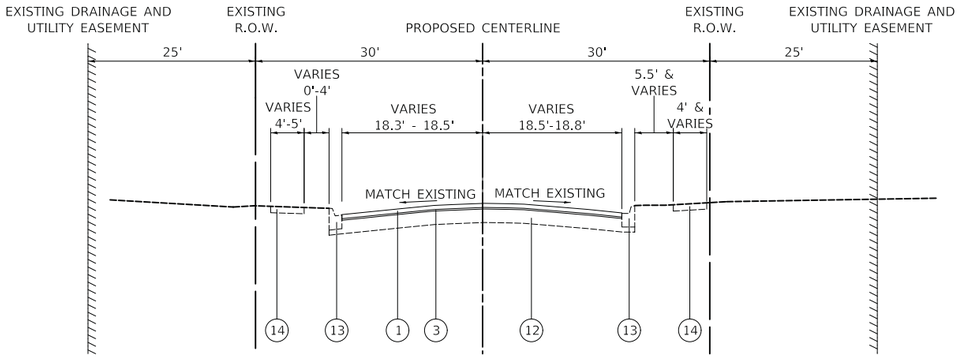
PLOT SCALE = 50.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
EXISTING TYPICAL SECTIONS

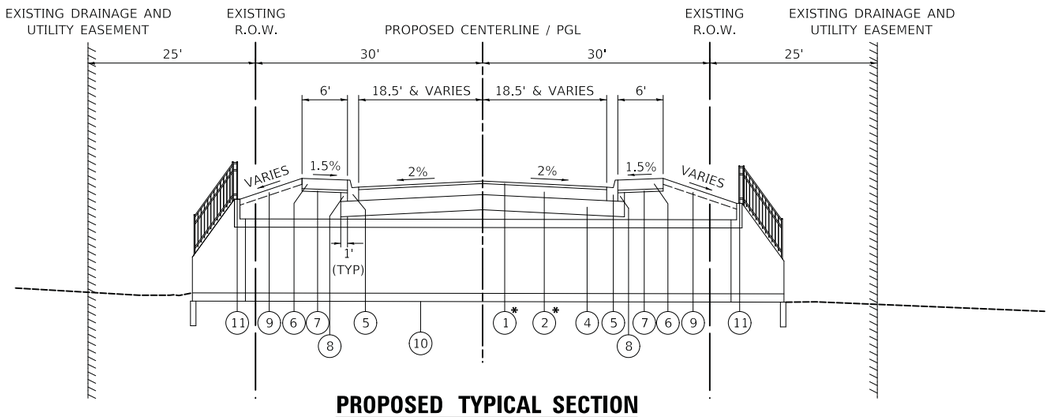
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	11
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION
BRICKVALE DRIVE

STATION 9+61.5 TO STATION 15+42.6
STATION 16+63.4 TO STATION 18+28.3



PROPOSED TYPICAL SECTION
BRICKVALE DRIVE

STATION 15+42.6 TO STATION 16+63.4

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 (2 INCH)
2. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (8 INCH)
3. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (¾ INCH)
4. AGGREGATE SUBGRADE IMPROVEMENT 12"
5. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
6. PORTLAND CEMENT CONCRETE SIDEWALK 8" (SPECIAL)
7. SUBBASE GRANULAR MATERIAL, TYPE B 2"
8. SUBBASE GRANULAR MATERIAL, TYPE B
9. TOPSOIL, FURNISH AND PLACE 4"
   SODDING, SALT TOLERANT
10. PRECAST BOX CULVERT
11. ORNAMENTAL RAILING
12. EXISTING POZZOLANIC BASE COURSE
13. EXISTING CURB AND GUTTER
14. EXISTING SIDEWALK

* PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PAY ITEM	PERCENT AIR VOIDS @ Ndes.
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 8"	4% @ 50 GYR.
CLASS D PATCH, 10 INCH	
CLASS D PATCH (HMA BINDER IL-19mm)	4% @ 70 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"	3.5% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6"	4% @ 70 GYR.

NOTES:

1. THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
2. 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 SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. APPLY LONGITUDINAL JOINT SEALANT UNDER THE SURFACE LIFT AND UNDER THE TOP BINDER LIFT AT THE PAVED LANE LINES OF FULL-DEPTH PAVEMENT AND UNDER THE SURFACE LIFT AT THE PAVED LANE LINES OF PAVEMENT RESURFACING.
5. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 8". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

MODEL: SMODELNAMES
FILE NAME: ...\03-Typicals\b3455-Typicals.dgn

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PLOT SCALE = 50.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	12
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION					
BRICKVALE DRIVE - STAGE 1					
STATION	DISTANCE	CUT	FILL	CUT	FILL
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)
15+42.6		18.4	0.0		
	7			4.9	0.0
15+50.		17.3	0.0		
	10			6.6	0.0
15+60.		18.3	0.0		
	8			5.5	0.0
15+68.		18.7	0.0		
	32			18.5	0.0
16+00.		12.5	0.0		
	20			9.0	0.0
16+20.		11.7	0.0		
	17			9.3	0.0
16+37.		17.7	0.0		
	13			8.4	0.0
16+50.		17.2	0.0		
	13			8.8	0.0
16+63.4		18.4	0.0		
BRICKVALE DRIVE - STAGE 1				71.0	0.0

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION					
BRICKVALE DRIVE - STAGE 3					
STATION	DISTANCE	CUT	FILL	CUT	FILL
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)
15+42.6		7.3	1.2		
	7			2.0	0.3
15+50.		7.3	1.2		
	10			2.8	0.4
15+60.		7.9	1.2		
	8			2.3	0.3
15+68.		7.7	1.2		
	32			20.5	0.8
16+00.		26.9	0.2		
	20			13.0	0.3
16+20.		8.3	0.7		
	17			4.6	0.8
16+37.		6.4	1.9		
	13			3.0	1.2
16+50.		6.3	3.3		
	13			3.9	1.6
16+63.4		9.6	3.2		
BRICKVALE DRIVE - STAGE 3				52.3	6.0

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION					
BRICKVALE DRIVE - STAGE 2					
STATION	DISTANCE	CUT	FILL	CUT	FILL
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)
15+42.6		28.1	3.2		
	7			7.5	0.9
15+50.		26.5	3.4		
	10			10.1	0.9
15+60.		28.2	1.5		
	8			8.4	0.4
15+68.		28.4	1.2		
	32			48.5	0.8
16+00.		53.5	0.2		
	20			47.8	0.1
16+20.		75.5	0.2		
	17			33.8	0.1
16+37.		31.9	0.2		
	13			14.2	0.8
16+50.		27.1	3.1		
	13			12.9	1.2
16+63.4		25.1	1.8		
BRICKVALE DRIVE - STAGE 2				183.4	5.4

STAGE 1	
TOTAL EARTH EXCAVATION (CU. YD.)	71
TOTAL EMBANKMENT REQUIRED (CU. YD.)	0
FURNISHED EXCAVATION (CU. YD.)= EMBANKMENT - (EARTH EXCAVATION X (1-0.15))	-60
STAGE 2	
TOTAL EARTH EXCAVATION (CU. YD.)	183
TOTAL EMBANKMENT REQUIRED (CU. YD.)	5
FURNISHED EXCAVATION (CU. YD.)= EMBANKMENT - (EARTH EXCAVATION X (1-0.15))	-150
STAGE 3	
TOTAL EARTH EXCAVATION (CU. YD.)	52
TOTAL EMBANKMENT REQUIRED (CU. YD.)	6
FURNISHED EXCAVATION (CU. YD.)= EMBANKMENT - (EARTH EXCAVATION X (1-0.15))	-38
TOTAL EARTH EXCAVATION (CU. YD.)	307
TOTAL EMBANKMENT REQUIRED (CU. YD.)	11
FURNISHED EXCAVATION	0

MODEL: $MODELNAME$
FILE NAME: ...\3455_Schedule_Earthwork.dgn

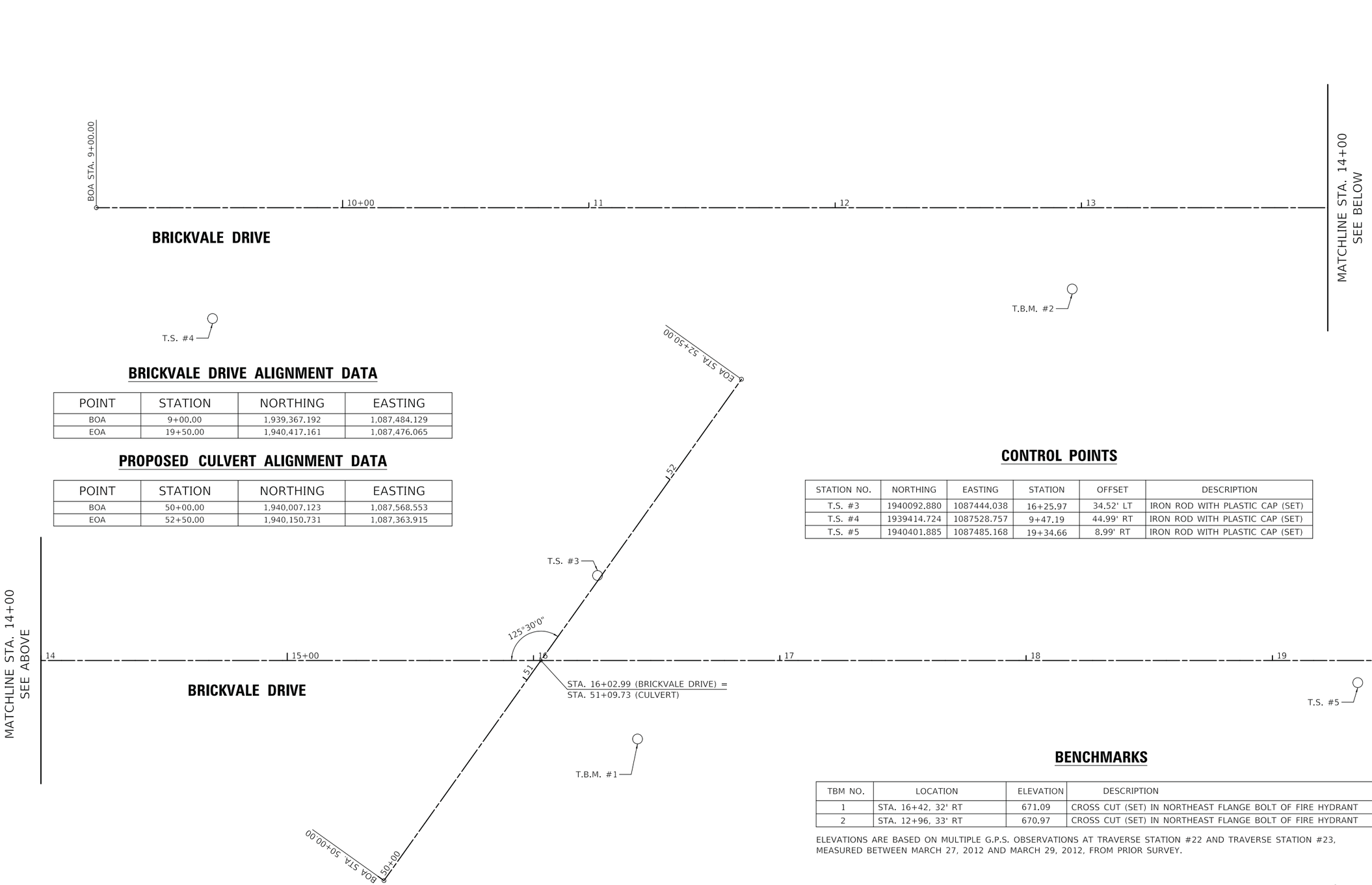
USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
SCHEDULE OF EARTHWORK

SCALE: NTS | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	13
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



BRICKVALE DRIVE ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	9+00.00	1,939,367.192	1,087,484.129
EOA	19+50.00	1,940,417.161	1,087,476.065

PROPOSED CULVERT ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	50+00.00	1,940,007.123	1,087,568.553
EOA	52+50.00	1,940,150.731	1,087,363.915

CONTROL POINTS

STATION NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #3	1940092.880	1087444.038	16+25.97	34.52' LT	IRON ROD WITH PLASTIC CAP (SET)
T.S. #4	1939414.724	1087528.757	9+47.19	44.99' RT	IRON ROD WITH PLASTIC CAP (SET)
T.S. #5	1940401.885	1087485.168	19+34.66	8.99' RT	IRON ROD WITH PLASTIC CAP (SET)

BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
1	STA. 16+42, 32' RT	671.09	CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRE HYDRANT
2	STA. 12+96, 33' RT	670.97	CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRE HYDRANT

ELEVATIONS ARE BASED ON MULTIPLE G.P.S. OBSERVATIONS AT TRAVERSE STATION #22 AND TRAVERSE STATION #23, MEASURED BETWEEN MARCH 27, 2012 AND MARCH 29, 2012, FROM PRIOR SURVEY.

0 20 40 60
SCALE IN FEET

MODEL: sMODELNAME$
FILE NAME: ...\3455-ln-ATB.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	14
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

2470-2480 BRICKVALE DR | 2450 BRICKVALE DR | 2400 BRICKVALE DR | 2380 BRICKVALE DR

PROPOSED RESURFACING:
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"

NOTE:
EXISTING SIGN PANEL ASSEMBLIES AND DECORATIVE SIGN SUPPORTS NOTED SHALL BE REMOVED AND SAFELY / SECURELY STORED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AS "REMOVE SIGN PANEL ASSEMBLY - TYPE A." WHEN DIRECTED BY THE ENGINEER, THE SIGNS AND DECORATIVE SIGN SUPPORTS SHALL BE REINSTALLED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AS "RELOCATE SIGN PANEL ASSEMBLY - TYPE A". ANY SIGNS OR SUPPORTS DAMAGED DURING THESE OPERATIONS OR DURING STORAGE, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CONTRACT WITH MATERIALS MEETING THE STYLE AND TYPE OF THE EXISTING MATERIALS.

RESURFACING BEGINS
STA. 9+61.5

EX ESMT | EX ROW | 10+00 | 11 | 12 | 13 | 14 | CONSTRUCTION BASELINE / PGL

MATCHLINE STA. 14+50
SEE SHEET 16

2500 BRICKVALE DR

REMOVE AND REINSTALL "NO PARKING THIS SIDE" SIGN (SEE NOTE ABOVE)

PCC SIDEWALK, 5 INCH (SPECIAL) (TYP)
SUBBASE GRANULAR MATERIAL, TYPE B, 2" (TYP)

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- COMBINATION CURB AND GUTTER REMOVAL
  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  SPECIAL - AT DRIVEWAY APRONS
  MODIFIED - AT ALL OTHER LOCATIONS
- REMOVAL ITEMS
- TREE TO BE REMOVED

2471 BRICKVALE DR | 2451 BRICKVALE DR | 2435 BRICKVALE DR | 2405-2401 BRICKVALE DR

BRICKVALE DRIVE

0 20 40 60
SCALE IN FEET

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

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO(S)&TYP(S) CHKD, NOTE BOOK, NO., BY, DATE

EXISTING ELEVATION ALONG ℄
PROPOSED PGL ELEVATION

EXISTING ELEVATION ALONG CENTERLINE

9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00
671.44	670.18	669.95	669.34	669.02	669.21	669.48	669.66	669.51	669.20	669.01

675 | 670 | 665 | 660 | 655 | 650

MATCHLINE STA. 14+50
SEE SHEET 16

MODEL: \$MODELNAME\$
FILE NAME: ...\3455-sht-pp.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

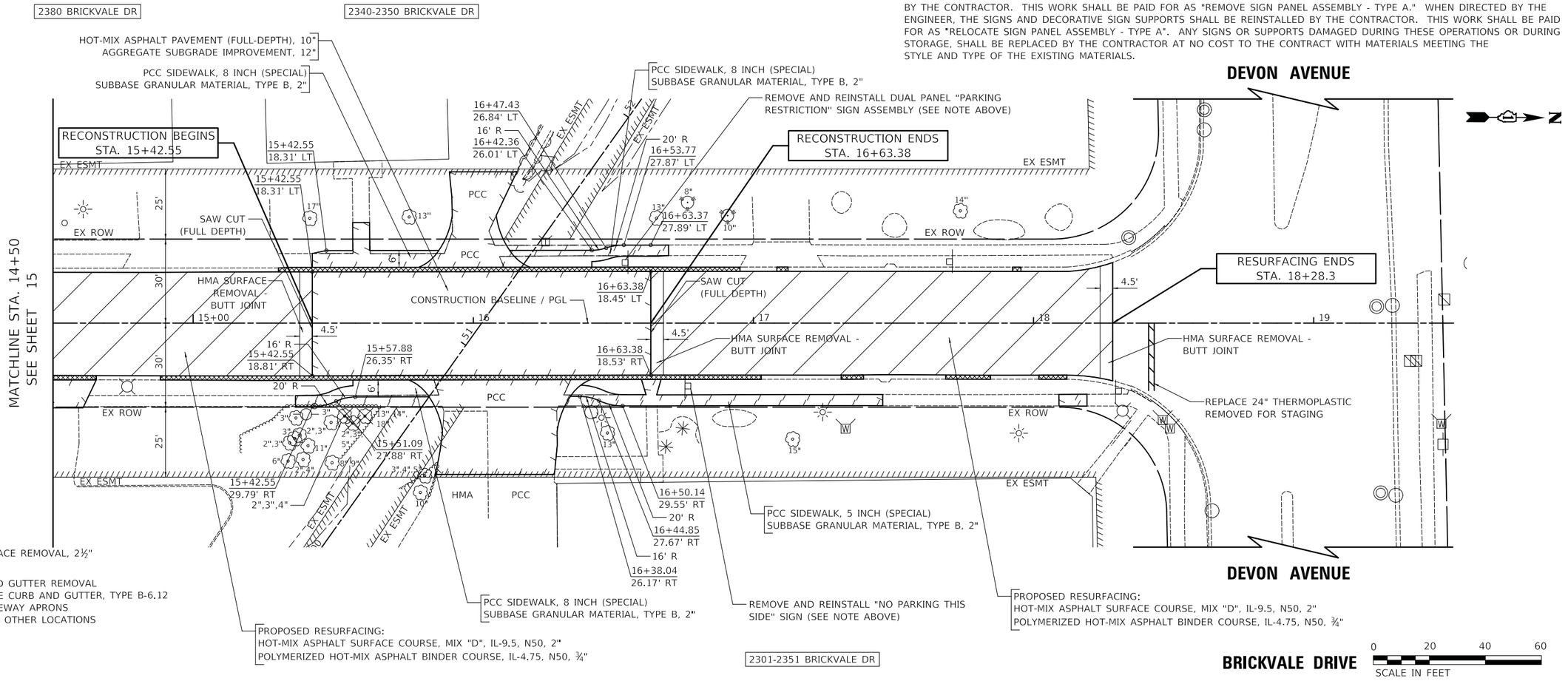
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 9+00 | TO STA. 14+50

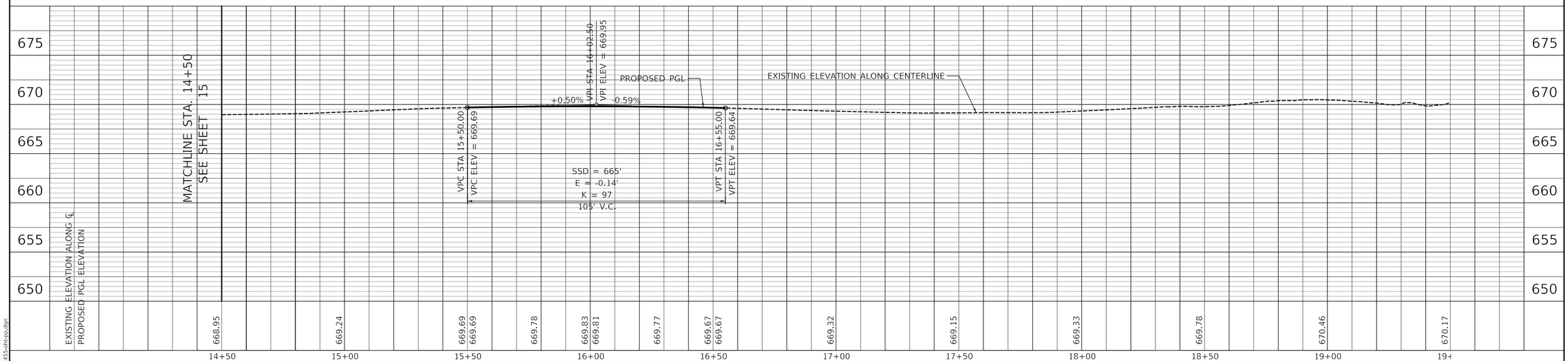
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00060-00-BR	DUPAGE	54	15
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

NOTE:
EXISTING SIGN PANEL ASSEMBLIES AND DECORATIVE SIGN SUPPORTS NOTED SHALL BE REMOVED AND SAFELY / SECURELY STORED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AS "REMOVE SIGN PANEL ASSEMBLY - TYPE A." WHEN DIRECTED BY THE ENGINEER, THE SIGNS AND DECORATIVE SIGN SUPPORTS SHALL BE REINSTALLED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR AS "RELOCATE SIGN PANEL ASSEMBLY - TYPE A". ANY SIGNS OR SUPPORTS DAMAGED DURING THESE OPERATIONS OR DURING STORAGE, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CONTRACT WITH MATERIALS MEETING THE STYLE AND TYPE OF THE EXISTING MATERIALS.



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- COMBINATION CURB AND GUTTER REMOVAL
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  SPECIAL - AT DRIVEWAY APRONS
  MODIFIED - AT ALL OTHER LOCATIONS
- REMOVAL ITEMS
- TREE TO BE REMOVED



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DESIGNED - KDC
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REVISED -
USER NAME = djk
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 3/29/2021
MODEL: SMODELNAME$
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
PLAN AND PROFILE
SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 14+50 TO STA. 19+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00060-00-BR	DUPAGE	54	16
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA E-MAIL AT KALPANA.KANNAN-HOSDURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

2. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.

3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

4. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.

5. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND, UNLESS OTHERWISE NOTED. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.

6. DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE NON-METALLIC DRUMS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

7. DRUMS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.

8. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

9. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.

10. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.

11. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.

12. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

13. W21-1(O) "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.

14. "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

15. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

16. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL SURFACES OUTSIDE OF THE PROJECT LIMITS AND ON THE FINAL PAVEMENT SURFACE.

    CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".

17. QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, SHORT-TERM PAVEMENT MARKING REMOVAL, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.

SIDEWALK MAINTENANCE NOTES

1. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

CONSTRUCTION SIGNS

THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. W21-2(O) SHALL BE PLACED 48 HOURS PRIOR TO PRIMING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

CONSTRUCTION SEQUENCE

STAGE 1

1. SET-UP EROSION CONTROL MEASURES AND ISOLATE WORK AREA FROM FLOWING WATER. INSTALL TEMPORARY PAVEMENT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS.

2. SET-UP TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS, DISTRICT ONE DETAIL, AND THE MAINTENANCE OF TRAFFIC PLANS AND SWITCH TRAFFIC TO STAGE 1.

3. INSTALL TEMPORARY SHEETING AND REMOVE EXISTING CULVERT.

4. REMOVE AND REPLACE SANITARY SEWER.

5. INSTALL BOX CULVERT AND END SECTION. INSTALL RAILING ON HEADWALL.

6. PLACE AGGREGATE SUBGRADE, HMA BINDER COURSE, AND TEMPORARY PAVEMENT REQUIRED FOR STAGE 2..

STAGE 2

1. SET-UP TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS, DISTRICT ONE DETAIL, AND THE MAINTENANCE OF TRAFFIC PLANS AND SWITCH TRAFFIC TO STAGE 2.

2. INSTALL TEMPORARY SHEETING AND REMOVE EXISTING CULVERT.

3. INSTALL WATER MAIN AND WATER SERVICES. PATCH PAVEMENT.

4. INSTALL BOX CULVERT AND END SECTION.

5. CONSTRUCT STAGE 2 CURB AND GUTTER, DRIVEWAYS, SIDEWALKS, AND HMA BINDER.

STAGE 3

1. SET-UP TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS, DISTRICT ONE DETAIL, AND THE MAINTENANCE OF TRAFFIC PLANS AND SWITCH TRAFFIC TO STAGE 3.

2. CONSTRUCT CURB AND GUTTER, DRIVEWAYS, AND SIDEWALKS ON THE LEFT SIDE OF BRICKVALE DRIVE.

3. THE ENGINEER SHALL INSPECT THE CONDITION OF THE PAVEMENT AND MARK THE AREAS REQUIRING PAVEMENT PATCHING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROCEED WITH THIS WORK WITHOUT PRIOR CONSENT FROM THE ENGINEER. PERFORM PAVEMENT PATCHING

4. MILL EXISTING PAVEMENT. PLACE HMA BINDER AND SURFACE COURSE. DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701501.

5. REMOVE TRAFFIC CONTROL DEVICES.

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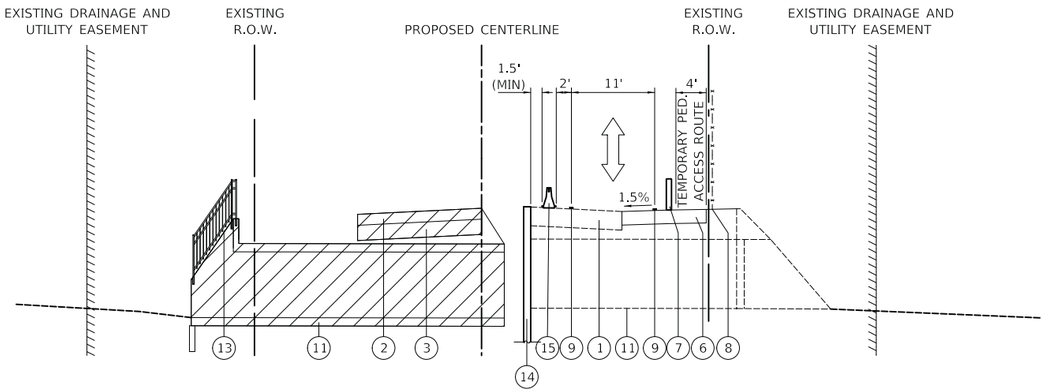
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
MAINTENANCE OF TRAFFIC NOTES

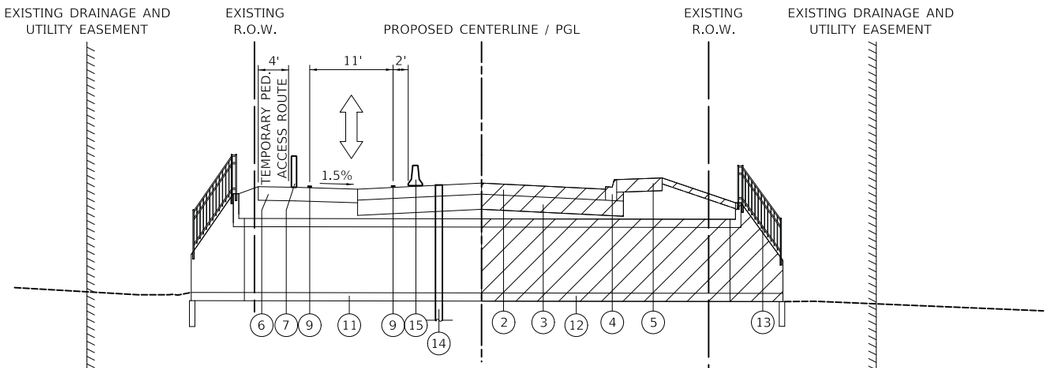
SCALE: NTS | SHEET 1 OF 2 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	17
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



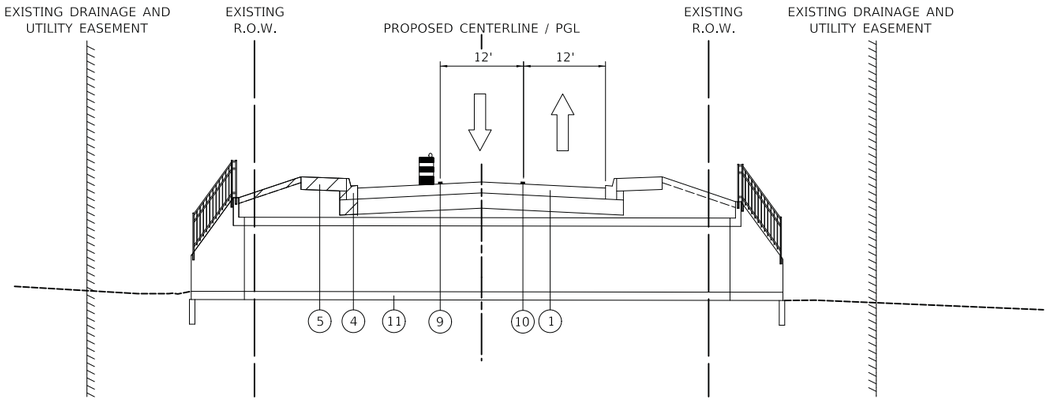
BRICKVALE DRIVE – STAGE 1

(LOOKING NORTH)



BRICKVALE DRIVE – STAGE 2

(LOOKING NORTH)



BRICKVALE DRIVE – STAGE 3

(LOOKING NORTH)

LEGEND

1. EXISTING PAVEMENT
2. PROPOSED HMA BINDER
3. PROPOSED AGGREGATE SUBGRADE
4. PROPOSED COMBINATION CONCRETE CURB AND GUTTER
5. PROPOSED PCC SIDEWALK
6. TEMPORARY PAVEMENT
7. DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
8. TEMPORARY FENCE
9. LINE 4" (WHITE EDGE LINE)
10. LINE 4" (DOUBLE-YELLOW LINE)
11. EXISTING CULVERT
12. PROPOSED CULVERT
13. ORNAMENTAL FENCE
14. TEMPORARY SHEET PILING
15. TEMPORARY CONCRETE BARRIER

CONSTRUCTION ZONE

TRAFFIC FLOW

DRUMS

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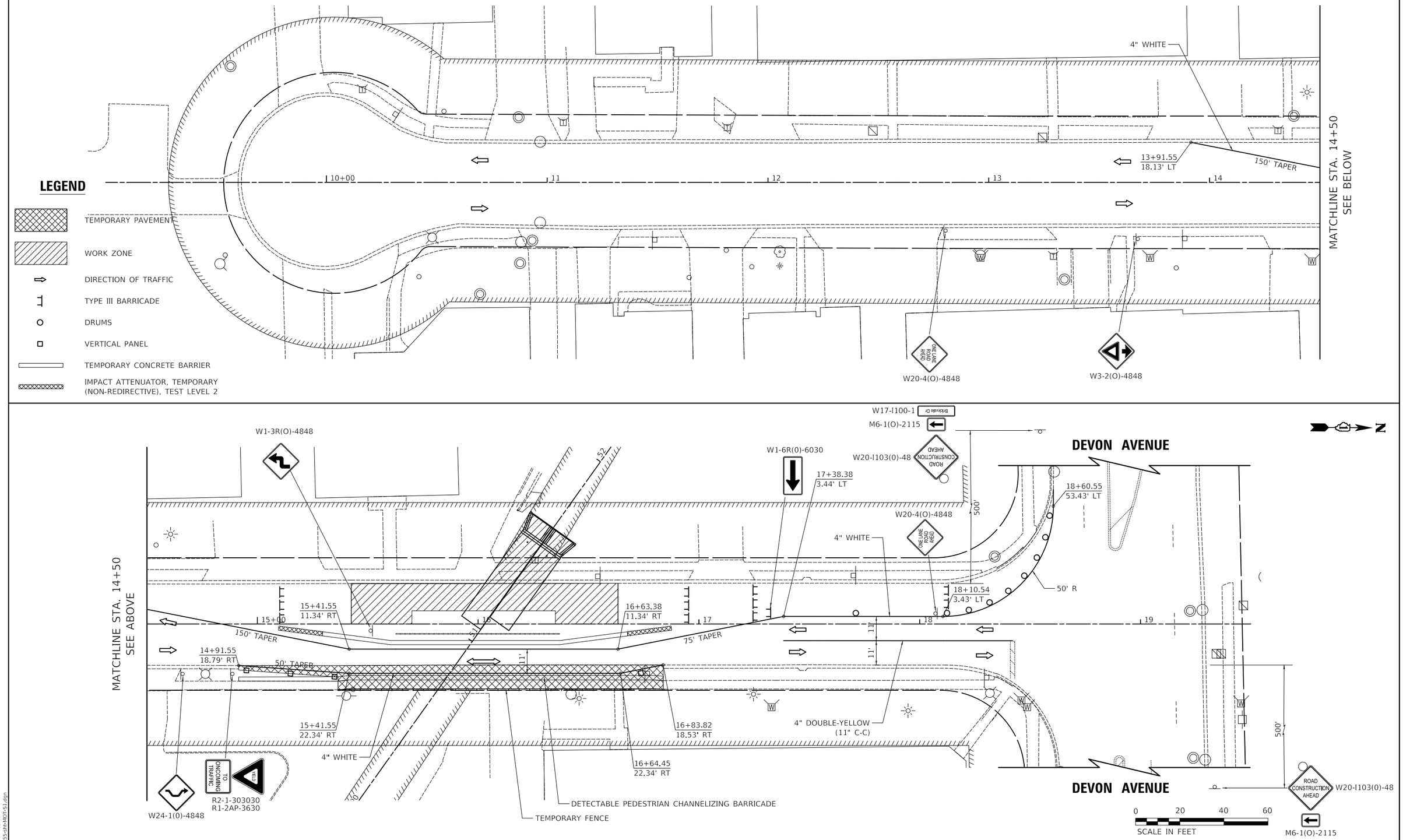
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	18
		CONTRACT NO. 61H05		
		ILLINOIS FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
MAINTENANCE OF TRAFFIC PLAN – STAGE 1

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	19
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

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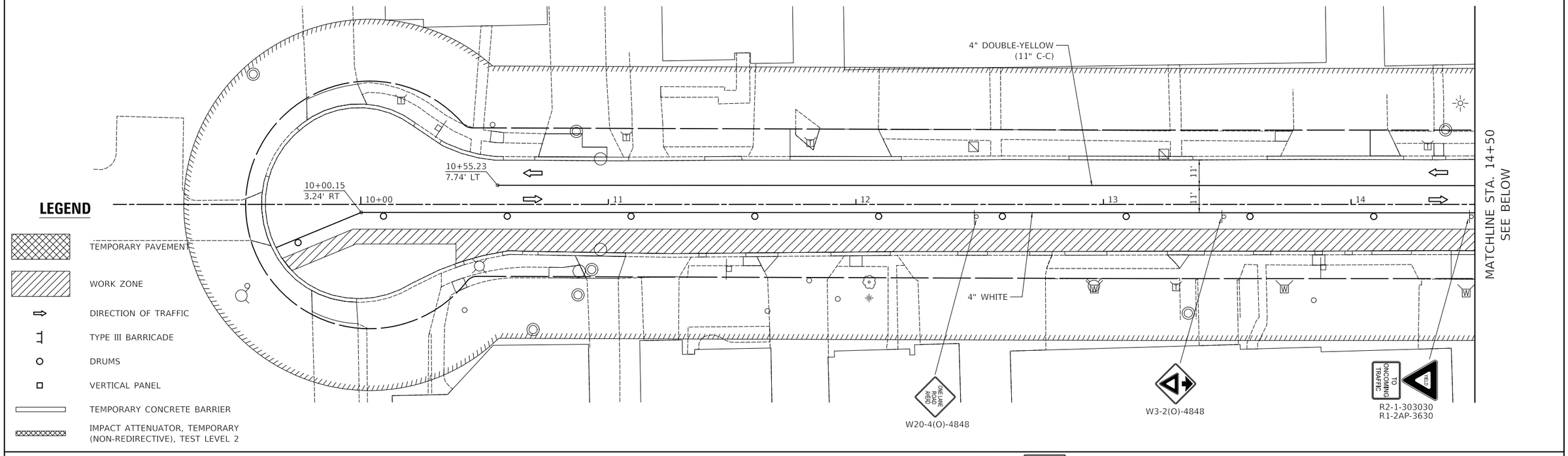

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
MAINTENANCE OF TRAFFIC PLAN – STAGE 2

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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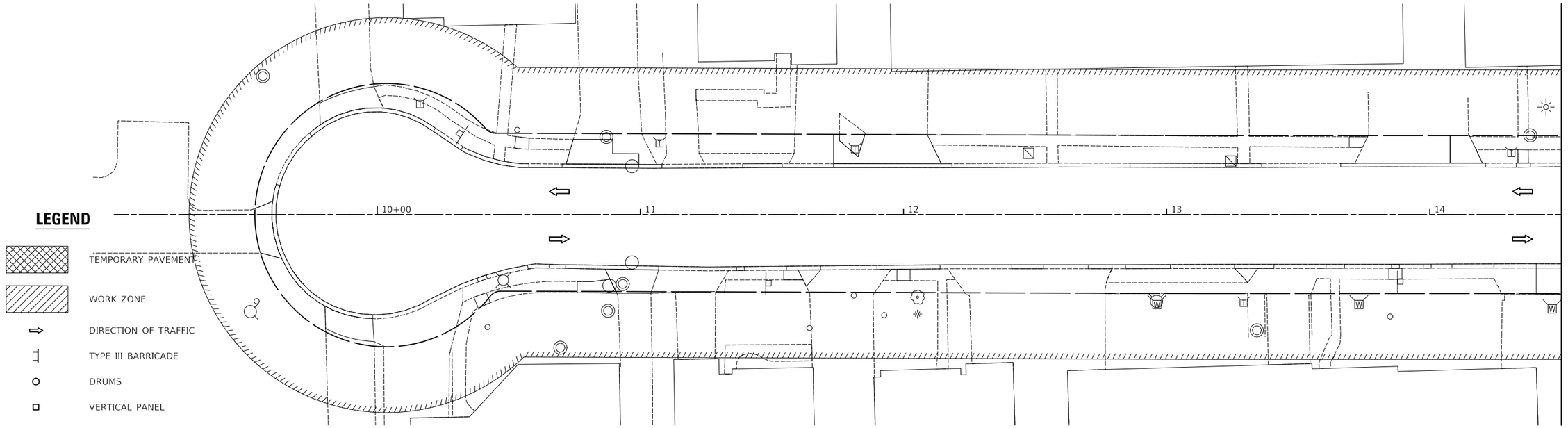
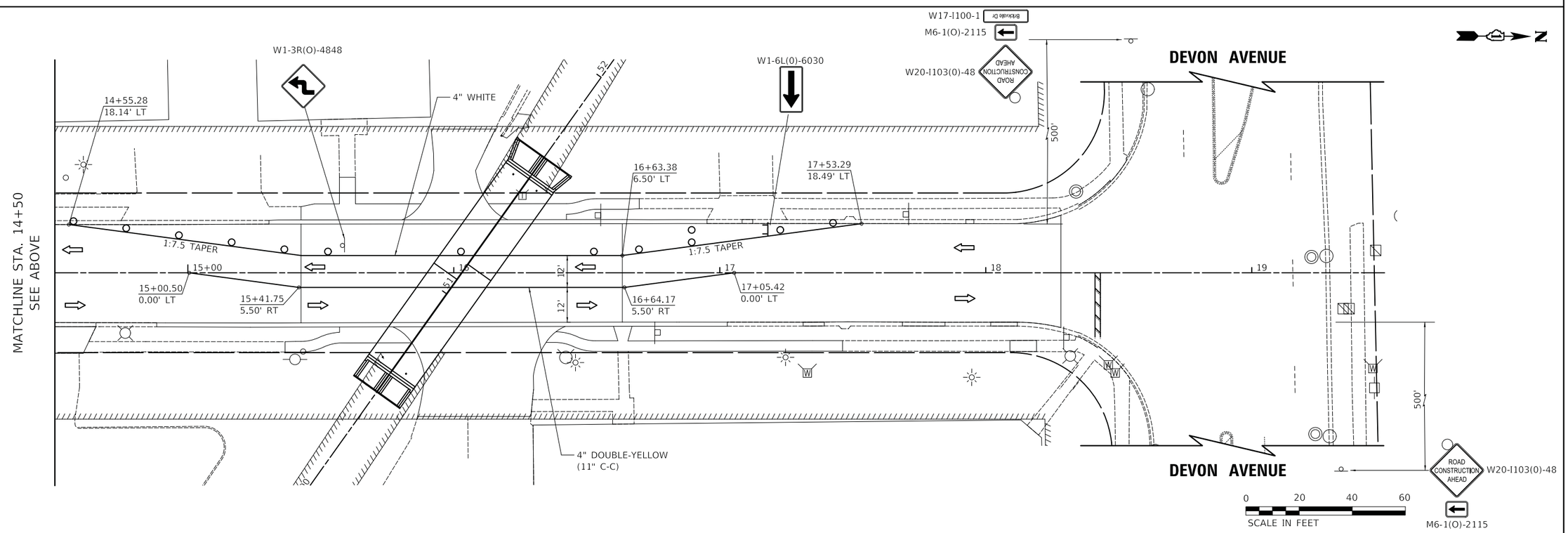
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
MAINTENANCE OF TRAFFIC PLAN – STAGE 3

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	21
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

EROSION CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE VII OF THE DuPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE APRIL 2013 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
5. WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS/HER WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.
6. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
7. RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK, EXCEPT FOR CONCRETE TRUCK WASHOUT FACILITIES WHICH SHALL BE PAID FOR AS "CONCRETE TRUCK WASHOUT".
8. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.
9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
10. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
11. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
12. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
13. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
17. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
18. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL (JUNE, 2013 EDITION)".
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY WORK BEGINS.
4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
5. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
6. ALL SLOPES SHALL BE COVERED WITH SOD OR SEED & EROSION CONTROL BLANKET AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED.
7. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

DEWATERING

1. IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE VILLAGE. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL LAKE, CREEK AND/OR DITCH. THE DISCHARGE SHALL BE DESIGNED SO THAT RETURNING WATERS DO NOT CAUSE EROSION. THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE VILLAGE THAT INCLUDES THE METHOD, DESIGN, LOCATION, AND MAINTENANCE OF DEWATERING AS PART OF THE IN-STREAM WORK PLAN.

WORKING IN AND NEAR FLOWING WATER

1. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHALL BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIVERTING OR BYPASSING FLOWS AWAY FROM CONSTRUCTION AREAS. THE METHOD OF DEWATERING OR BYPASS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE VILLAGE AS PART OF THE IN-STREAM WORK PLAN.
2. THE DEWATERING OR BYPASS SYSTEM SHALL BE DESIGNED TO CONVEY THE ANTICIPATED BASE FLOW OF THE CHANNEL DURING CONSTRUCTION. THE SYSTEM SHALL ALSO BE DESIGNED SO THAT DISCHARGES FROM LARGER STORM EVENTS CAN PASS DOWNSTREAM WITHOUT CREATING SOIL EROSION AND WATER QUALITY ISSUES.
3. ALL SYSTEMS TO DIVERT WATER AWAY FROM WORK AREAS SHALL BE INSTALLED PRIOR TO THE START OF WORK. WATER SHALL BE DIVERTED OR BYPASS PUMPED SO THAT FLOWING WATER IS NOT WITHIN EXCAVATION AREAS.
4. WORK IN THE WATERWAY SHALL BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
5. THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS.
6. THE WORK SHALL BE PERFORMED IN A MANNER THAT SHALL NOT ALLOW A VIOLATION OF FEDERAL, STATE, OR LOCAL WATER QUALITY STANDARDS.
7. EXCAVATED AREAS SHALL BE STABILIZED AS SOON AS THE WORK HAS BEEN COMPLETED.
8. WATER DIVERSION MEASURES MUST BE REMOVED TO PREVENT OUT OF BANK FLOODING (I.E. PRIOR TO A FORECASTED RAIN EVENT).

STABILIZING CONSTRUCTION AREAS

1. TEMPORARY STABILIZATION OF THE CONSTRUCTION AREA SHALL TAKE PLACE AT THE END OF EACH WORK DAY. THIS SHALL INCLUDE REMOVAL OF ALL EQUIPMENT AND HAZARDOUS MATERIAL WITHIN THE CHANNEL.
2. PERMANENT STABILIZATION OF THE CONSTRUCTION AREA SHALL BE COMPLETED AT THE END OF EACH MAJOR STAGE OF WORK.
3. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINAL GRADING OR WHEN LEFT IDLE FOR MORE THAN 14 DAYS.
4. THE COMPLETED SLOPES SHALL BE PERMANENTLY SEEDED WHERE PRACTICAL AS THE EXCAVATION PROCEEDS TO ANOTHER STAGE OF CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY LANDSCAPED AT ONE TIME.

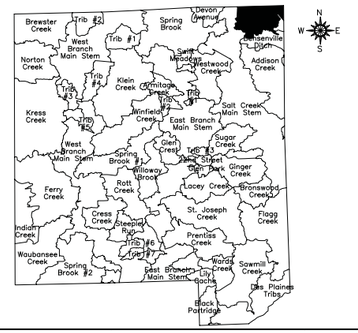
KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES

1. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
2. A COPY OF THE APPROVED EROSION & SEDIMENT CONTROL PLANS AND IN-STREAM WORK PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
3. KDSWCD MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO START OF THE IN-STREAM WORK.
4. KDSWCD MUST BE IN AGREEMENT WITH THE OVERALL METHOD OF CREEK DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
5. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS), A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE VILLAGE FOR REVIEW BY THE KDSWCD.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
7. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA).
8. DITCH LINES WHICH FLOW DIRECTLY INTO JURISDICTIONAL WATERS SHOULD NOT BE STRIPPED OR OTHERWISE DISTURBED UNTIL ABSOLUTELY NECESSARY. EXISTING VEGETATION SHOULD BE LEFT UNDISTURBED WHEREVER POSSIBLE.
9. THE IN-STREAM WORK PLAN SUBMITTED TO KDSWCD WILL INCLUDE ALL ADDITIONAL PRACTICE STANDARD DRAWINGS NEEDED IN ORDER TO EXECUTE THE WATER DIVERSION PLAN.
10. THE IMPACT OF CONSTRUCTION ON THE JURISDICTIONAL WETLANDS AND THE DOWNSTREAM END OF THE PROJECT SHALL BE A PRIORITY FOR POST-STORM INSPECTIONS.
11. TEMPORARY DOWNSTREAM PROTECTION SHALL BE IN PLACE BETWEEN THE DISTURBED GROUND AND THE JURISDICTIONAL WETLAND/FLOWING WATER AT THE CONCLUSION OF EACH WORKDAY.
12. ACCORDING TO THE ILLINOIS URBAN MANUAL, THE MINIMUM LENGTH OF STABILIZED CONSTRUCTION ENTRANCE IS 70' FOR FULL FUNCTIONALITY. THE REDUCED LENGTH OF THE PROPOSED ENTRANCE MAY REQUIRE ADDITIONAL MAINTENANCE IN ORDER TO ACHIEVE FULL FUNCTIONALITY.
13. THE WEATHER PROJECTIONS SHOULD BE ALWAYS INCORPORATED INTO THE IMPLEMENTATION OF THE IN-STREAM WORK PLAN. WATER DIVERSION AWAY FROM THE IN-STREAM WORK AREA WILL ALWAYS BE THE EXPECTED OUTCOME OF THE PROJECT.
14. ALL DEWATERING OPERATION WILL BE PERFORMED USING THE ILLINOIS URBAN MANUAL PRACTICE STANDARD #813 AS A TECHNICAL REFERENCE.
15. ALL AREAS DESIGNATED FOR CONCRETE WASHOUT AND STAGING SHALL HAVE DOWNSTREAM PROTECTION MEASURES IN PLACE AT ALL TIMES.
16. BACK UP QUANTITES OF SOIL EROSION BEST MANAGEMENT PRACTICES SHALL BE KEPT ON SITE IN ORDER TO IMPLEMENT IMMEDIATE CORRECTIONAL ACTIONS FOLLOWING AN EVENT OF NON-COMLIANCE.
17. ANY OFF-SITE AREA IMPACTED BY CONSTRUCTION SHALL BE RESTORED TO MATCH EXISTING CONDITIONS OR AS SPECIFIED ON THE PLANS.

IN-STREAM CONSTRUCTION SEQUENCE

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, AND IMPLEMENT APPROVED TEMPORARY STREAM DIVERSION PLAN FOR CULVERT INSTALLATION.
2. UPON COMPLETION OF CULVERT INSTALLATION, TEMPORARY STREAM DIVERSION MEASURES WILL BE REMOVED.

NOTE:
THE CULVERT CONSTRUCTION SEQUENCE ABOVE IS A SUGGESTED SEQUENCE. DEPENDING ON HOW THE CONTRACTOR DEVELOPS AND IMPLEMENTS THE STREAM DIVERSION WORK PLAN, THE CONSTRUCTION SEQUENCE MAY VARY. REGARDLESS, THE STREAM DIVERSION WORK PLAN MUST BE APPROVED BY THE VILLAGE.



I. DES PLAINES RIVER WATERSHED
   1. Willow Creek
   2. Bensenville Ditch
   3. Flagg Creek
   4. Des Plaines Tribs
   5. Black Partridge
   6. Addison Creek

NPDES STATEMENT:

THIS PROJECT DISTURBS 0.45 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; THE NPDES STORMWATER PERMIT IS NOT REQUIRED FOR THIS PROJECT.

MODEL: SMODELNAMES
FILE NAME: ...\3455 EC Notes.dgn

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	DRAWN - KDC	REVISED -	
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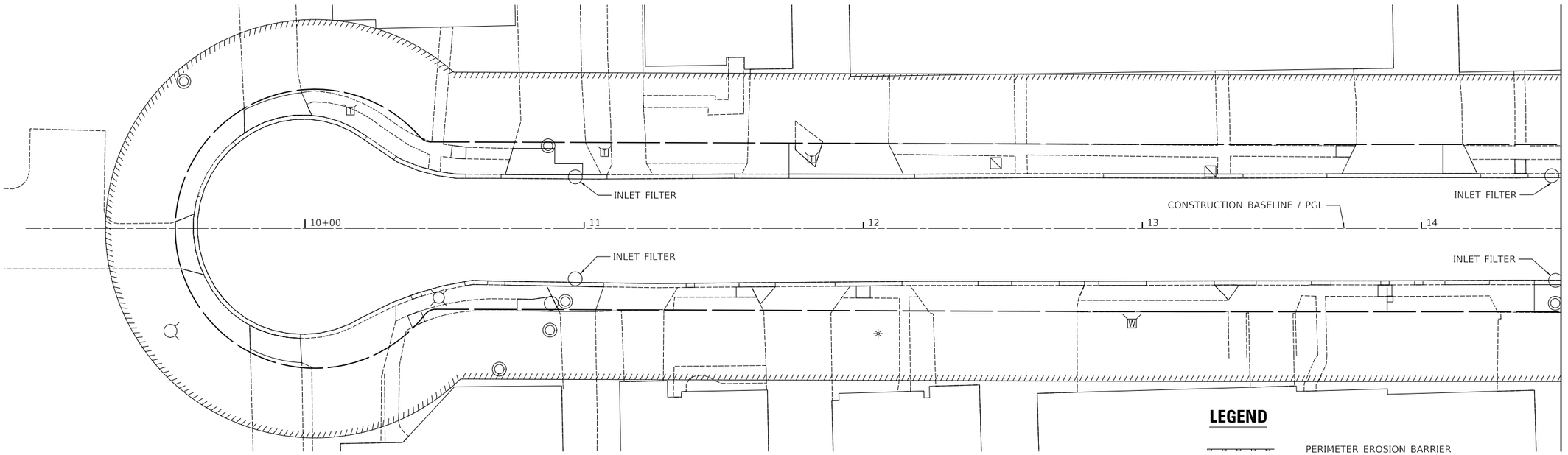
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

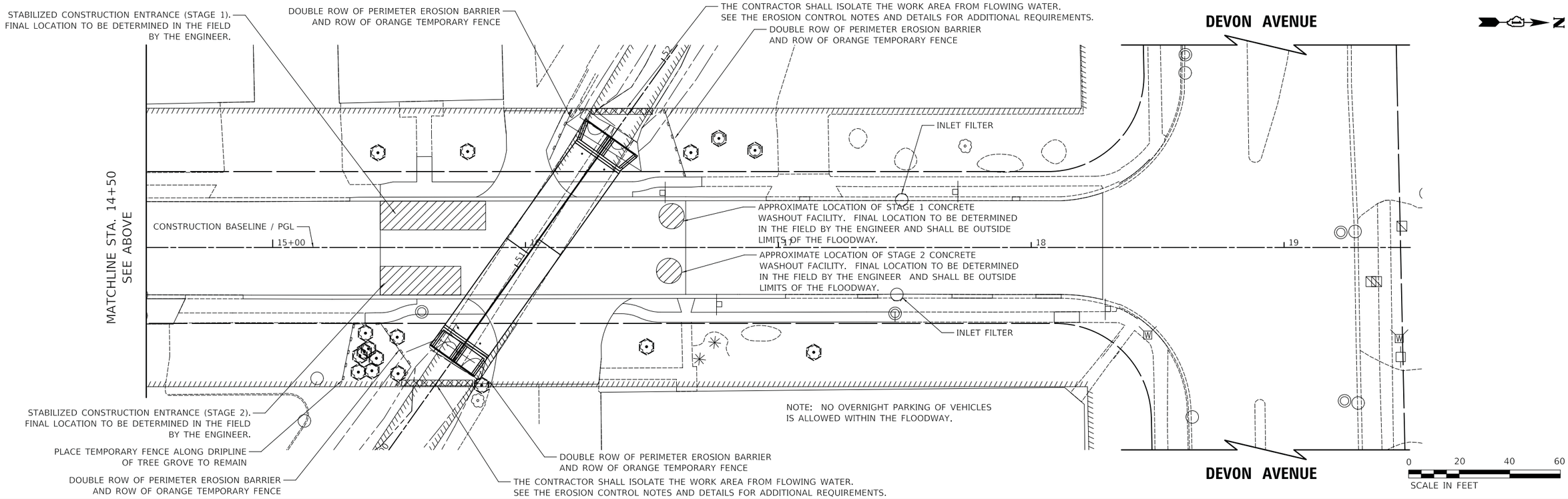
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
EROSION CONTROL GENERAL NOTES

SCALE: NTS | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	22
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		





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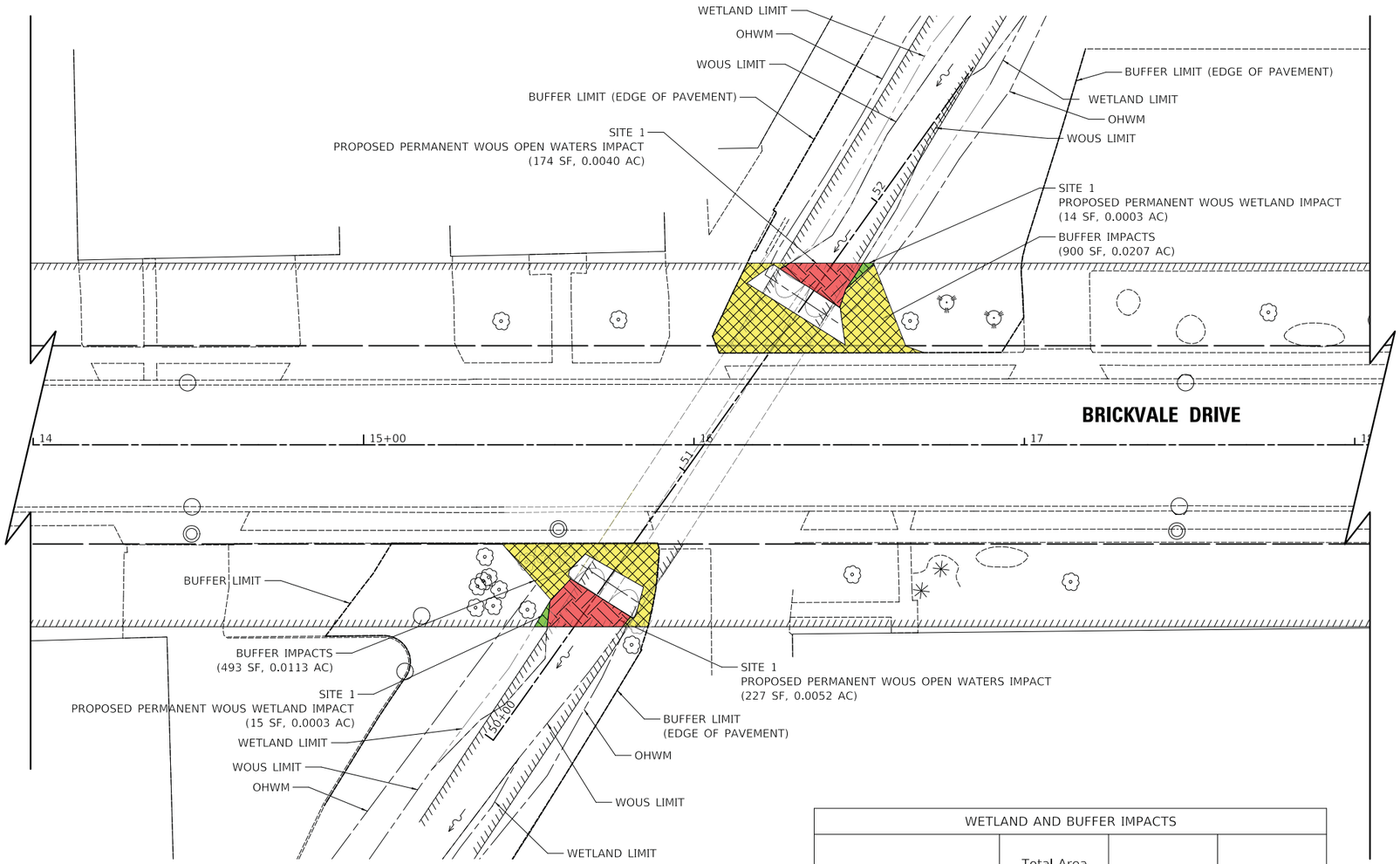
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
EROSION CONTROL PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	23
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED WATERS OF THE US WETLANDS IMPACT AREA
- PROPOSED WATERS OF THE US OPEN WATERS IMPACT AREA
- PROPOSED BUFFER IMPACT AREA

WETLAND AND BUFFER IMPACTS			
	Total Area within Construction Limits (ACRE)	Total Impact Area (SQUARE FEET)	Total Impact Area (ACRE)
USACE WOUS Wetlands	0.0007	29	0.0007
USACE WOUS Open Water	0.0092	401	0.0092
Buffers	0.1356	1393	0.0320

0 20 40 60
SCALE IN FEET

MODEL: sMODELNAME$
FILE NAME: ...\1435-ehi-wetlands.dgn

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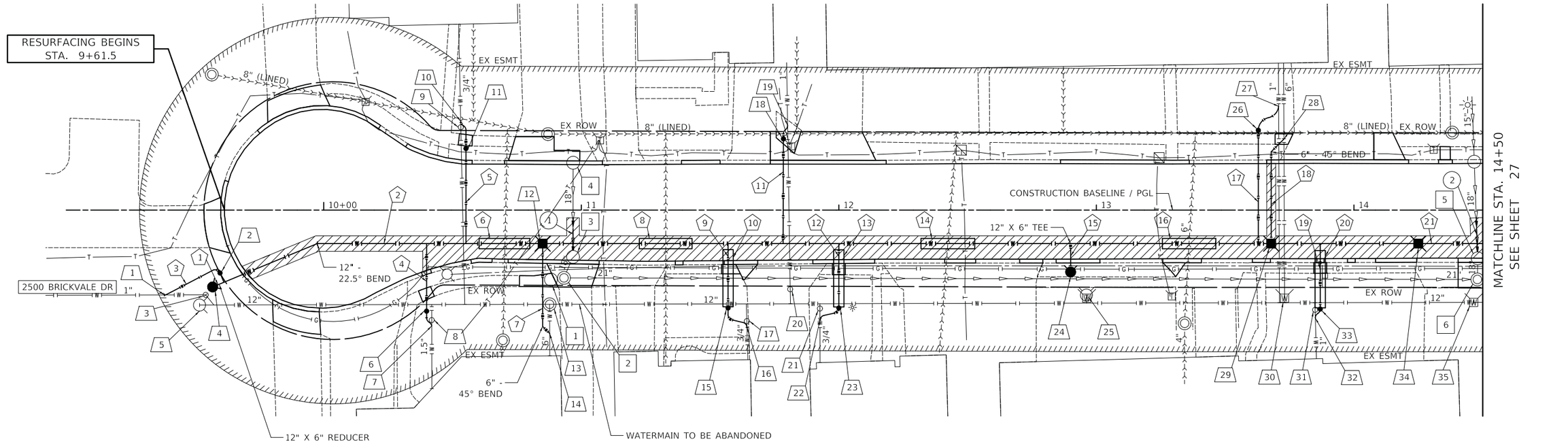
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
WETLAND AND BUFFER IMPACT EXHIBIT

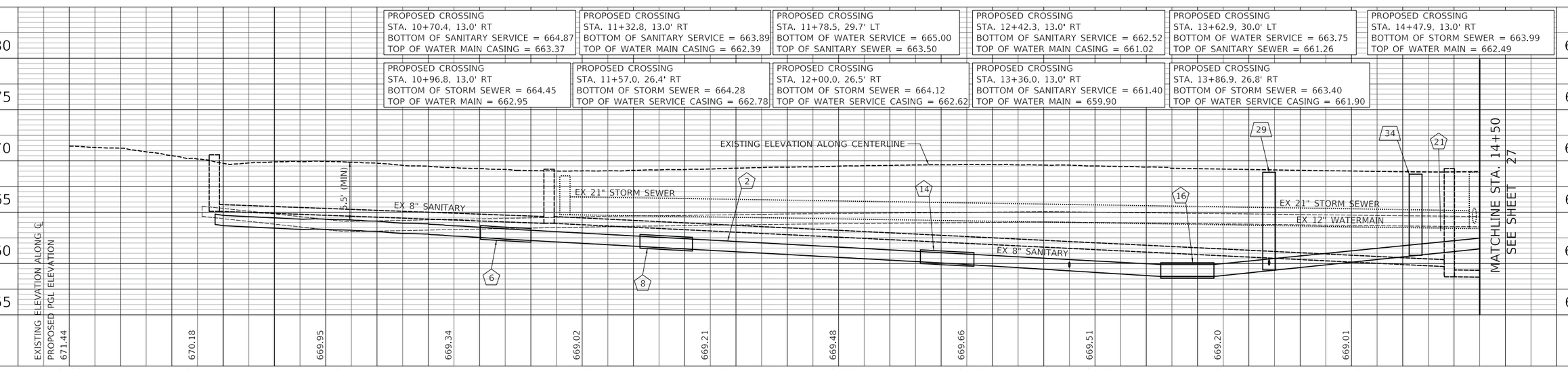
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	24
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	



LEGEND

CLASS D PATCH, 10"



PLAN — SURVEYED / PLOTTED / CHECKED / AS-BUILT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

MODEL: \$MODELNAME\$
FILE NAME: ...\3455-alt-du.dgn

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PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
DRAINAGE AND UTILITY PLAN

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 9+00 TO STA. 14+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00060-00-BR	DUPAGE	54	25
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

1. STA. 9+38.1, 33.0' RT
WATER SERVICE CONNECTION 1"

2. STA. 9+59.7, 24.4' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

3. STA. 9+54.2, 32.9' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

4. STA. 9+56.9, 29.8' RT
FIRE HYDRANT WITH AUXILIARY
VALVE AND VALVE BOX

5. STA. 9+51.8, 36.9' RT
FIRE HYDRANT TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

6. STA. 10+40.0, 39.2' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1.5"

7. STA. 10+41.9, 45.0' RT
WATER SERVICE CONNECTION 1.5"

8. STA. 10+41.9, 42.7' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

9. STA. 10+53.2, 32.2' LT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

10. STA. 10+53.1, 34.4' LT
WATER SERVICE CONNECTION 1"

11. STA. 10+55.2, 30.9' LT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

12. STA. 10+85.0, 13.0' RT
VALVE VAULT, TA, 5' DIA, T1F CL
GATE VALVE 6"
12" X 6" TEE
(NEW GATE VALVES TO BE ATTACHED
TO TEE. VALVE AND TEE SHALL BE
INSIDE THE VAULT)
RIM = MATCH EXISTING PAVEMENT ELEVATION

13. STA. 10+87.7, 36.6' RT
VALVE VAULT TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

14. STA. 9+07.7, 47.9' RT
CONNECTION TO EXISTING WATERMAIN, 6''

15. STA. 11+57.0, 38.0' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

16. STA. 11+64.3, 45.5' RT
WATER SERVICE CONNECTION 1"

17. STA. 11+64.3, 43.1' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

18. STA. 11+78.5, 27.7' LT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

19. STA. 11+80.1, 32.9' LT
WATER SERVICE CONNECTION 1"

20. STA. 11+81.1, 30.7' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

21. STA. 11+92.7, 38.2' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

22. STA. 11+92.7, 42.7' RT
WATER SERVICE CONNECTION 1"

23. STA. 12+00.0, 38.0' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

24. STA. 12+90.0, 24.0' RT
FIRE HYDRANT WITH AUXILIARY
VALVE AND VALVE BOX

25. STA. 12+96.2, 33.0' RT
FIRE HYDRANT TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

26. STA. 13+62.9, 31.0' LT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

27. STA. 13+70.8, 40.3' LT
WATER SERVICE CONNECTION 1"

28. STA. 13+72.8, 27.6' LT
CONNECTION TO EXISTING WATERMAIN 6"

29. STA. 13+67.9, 13.0' RT
VALVE VAULT, TA, 5' DIA, T1F CL
GATE VALVE 6"
12" X 6" TEE
(NEW GATE VALVES TO BE ATTACHED
TO TEE. VALVE AND TEE SHALL BE
INSIDE THE VAULT)
RIM = MATCH EXISTING PAVEMENT ELEVATION

30. STA. 12+96.2, 33.0' RT
VALVE BOX TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

31. STA. 13+84.9, 38.7' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

32. STA. 13+85.0, 41.9' RT
WATER SERVICE CONNECTION 1"

33. STA. 13+86.9, 38.4' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

34. STA. 14+25.0, 13.0' RT
VALVE VAULT, TA, 5' DIA, T1F CL
GATE VALVE 12"
WATER SERVICE CONNECTION 1"
RIM = MATCH EXISTING PAVEMENT ELEVATION

35. STA. 14+46.4, 35.8' RT
VALVE BOX TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

1. 3' - D.I. WATER MAIN, 6"
T.B.F. = 0.0 CU. YD.

2. 468' - D.I. WATER MAIN, 12"
T.B.F. = 378.9 CU. YD.

3. 28' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

4. 33' - WATER SERVICE LINE, 1.5"
T.B.F. = 13.0 CU. YD.

5. 51' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

6. 20' - CASING PIPE, OPEN CUT, 24" PVC
T.B.F. = 18.0 CU. YD.

7. 36' - D.I. WATER MAIN, 6"
T.B.F. = 11.6 CU. YD.

8. 20' - CASING PIPE, OPEN CUT, 24" PVC
T.B.F. = 22 CU. YD.

9. 37' - WATER SERVICE LINE, 1"
T.B.F. = 1.5 CU. YD.

10. 22' - PVC CASING PIPE 4"
T.B.F. = 8.1 CU. YD.

11. 46' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

12. 35' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

13. 22' - PVC CASING PIPE 4"
T.B.F. = 9.3 CU. YD.

14. 21' - CASING PIPE, OPEN CUT, 24" PVC
T.B.F. = 30 CU. YD.

15. 11' - D.I. WATER MAIN, 6"
T.B.F. = 12.9 CU. YD.

16. 21' - CASING PIPE, OPEN CUT, 24" PVC
T.B.F. = 32.8 CU. YD.

17. 57' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

18. 43' - D.I. WATER MAIN, 6"
T.B.F. = 38.0 CU. YD.

19. 30' - WATER SERVICE LINE, 1"
T.B.F. = 0.0 CU. YD.

20. 22' - PVC CASING PIPE 4"
T.B.F. = 9.8 CU. YD.

21. SEE SHEET NO. 27

1. STA. 10+88.2, 27.0' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

2. STA. 10+93.3, 26.3' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

3. STA. 10+96.8, 18.2' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

4. STA. 10+96.8, 18.4' LT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

5. STA. 14+48.1, 18.7' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

6. STA. 14+47.9, 26.9' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED

1. 13' - STORM SEWER REMOVAL 18"
13' - S.S., WM REQ 18" (MATCH EXISTING SLOPE)
T.B.F. = 1.4 CU. YD.

2. 14' - STORM SEWER REMOVAL 18"
14' - S.S., WM REQ 18" (MATCH EXISTING SLOPE)
T.B.F. = 1.5 CU. YD.

MODEL: SMODELNAMES
FILE NAME: ...\3455-sht-du.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
DRAINAGE AND UTILITY PLAN

SHEET 2 OF 4 SHEETS STA. 9+00 TO STA. 14+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	26
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			

2380 BRICKVALE DR

2340-2350 BRICKVALE DR

DEVON AVENUE

RECONSTRUCTION BEGINS
STA. 15+42.55

RECONSTRUCTION ENDS
STA. 16+63.38

RESURFACING ENDS
STA. 18+28.3

MATCHLINE STA. 14+50
SEE SHEET 25

CONSTRUCTION
BASELINE / PGL

12" X 6" TEE

12" - 45° BEND

12" - 45° BEND

WATERMAIN TO BE ABANDONED

SEE DETAIL ON SHEET 28 FOR INTERIM CONNECTION TO EXISTING WATERMAIN TO BE USED DURING CONSTRUCTION OF PROPOSED WATER MAIN

EX ESMT

EX ROW

8" (LINED)

2301-2351 BRICKVALE DR

DEVON AVENUE

BRICKVALE DRIVE

0 20 40 60
SCALE IN FEET

LEGEND

CLASS D PATCH, 10"

PROPOSED CROSSING
STA. 14+56.1, 30.1' LT
BOTTOM OF WATER SERVICE = 663.65
TOP OF SANITARY SEWER = 659.32

PROPOSED CROSSING
STA. 15+42.8, 30.2' LT
BOTTOM OF WATER SERVICE = 664.14
TOP OF SANITARY SEWER = 659.05

PROPOSED CROSSING
STA. 16+57.0, 26.0' RT
BOTTOM OF STORM SEWER = 663.46
TOP OF WATER MAIN = 661.96

PROPOSED CROSSING
STA. 17+03.0, 13.0' RT
BOTTOM OF WATER MAIN = 662.57
TOP OF SANITARY SERVICE = 658.05

PROPOSED CROSSING
STA. 17+32.9, 26.0' RT
BOTTOM OF STORM SEWER = 664.01
TOP OF WATER MAIN = 662.51

PROPOSED CROSSING
STA. 17+37.9, 26.0' RT
BOTTOM OF STORM SEWER = 664.05
TOP OF WATER SERVICE = 662.55

PROPOSED CROSSING
STA. 17+47.2, 13.0' RT
BOTTOM OF STORM SEWER = 664.01
TOP OF WATER MAIN = 662.51

680 675 670 665 660 655

EXISTING ELEVATION ALONG ℄
PROPOSED PGL ELEVATION

MATCHLINE STA. 14+50
SEE SHEET 25

EXISTING ELEVATION ALONG CENTERLINE
PROPOSED PGL

EX 21" STORM SEWER
EX 12" WATERMAIN
EX 8" SANITARY
EX 18" STORM SEWER
EX 12" WATERMAIN
EX 8" SANITARY

45° BEND
45° BEND
45° BEND
45° BEND

5' (MIN)
5' (MIN)

668.95 669.24 669.69 669.69 669.78 669.83 669.81 669.77 669.67 669.67 669.32 669.15 669.33 669.78 670.46 670.17

14+50 15+00 15+50 16+00 16+50 17+00 17+50 18+00 18+50 19+00 19+50

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
DRAINAGE AND UTILITY PLAN

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 14+50 | TO STA. 19+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00060-00-BR	DUPAGE	54	27
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

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

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, S.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: SMODELNAME5
FILE NAME: ...\3455-sht-du.dgn

36 STA. 14+54.1, 38.5' LT
WATER SERVICE CONNECTION 1"

37 STA. 14+54.1, 35.8' LT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

38 STA. 14+56.1, 32.0' LT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

39 STA. 15+41.9, 32.9' LT
WATER SERVICE CONNECTION 1"

40 STA. 15+44.0, 27.0' LT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

41 STA. 15+43.3, 29.6' RT
DOMESTIC WATER SERVICE BOX
TO BE REMOVED (INCLUDED IN
THE COST OF "WATERMAIN TO
BE ABANDONED")

42 STA. 16+42.1, 31.8' RT
FIRE HYDRANT TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

43 STA. 16+57.0, 32.0' RT
FIRE HYDRANT WITH AUXILIARY
VALVE AND VALVE BOX

44 STA. 17+32.8, 13.0' RT
VALVE VAULT, TA, 5' DIA, T1F CL
GATE VALVE 6"
12" X 6" TEE
(NEW GATE VALVES TO BE ATTACHED
TO TEE. VALVE AND TEE SHALL BE
INSIDE THE VAULT)
RIM = MATCH EXISTING PAVEMENT ELEVATION

45 STA. 12+96.2, 33.0' RT
CONNECTION TO EXISTING WATERMAIN 6"
VALVE BOX TO BE REMOVED
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

46 STA. 17+35.0, 41.5' RT
WATER SERVICE CONNECTION 1"

47 STA. 17+37.8, 37.7' RT
DOMESTIC WATER SERVICE BOX
CURB STOP, 1"

48 STA. 17+95.0, 13.0' RT
VALVE VAULT, TA, 5' DIA, T1F CL
GATE VALVE, 12"
WATER SERVICE CONNECTION 1"
RIM = MATCH EXISTING PAVEMENT ELEVATION

49 STA. 18+24.2, 37.2' RT
CONNECTION TO EXISTING WATERMAIN, 12"

50 CUT AND CAP EXISTING WATERMAIN
(INCLUDED IN THE COST OF
"WATERMAIN TO BE ABANDONED")

51 STA. 18+22.8, 37.2' RT
CONNECTION TO EXISTING WATERMAIN, 12"

21 370' - D.I. WATER MAIN, 12"
T.B.F. = 328.7 CU. YD.

22 52' - WATER SERVICE LINE 1"
T.B.F. = 0.0 CU. YD.

23 46' - WATER SERVICE LINE 1"
T.B.F. = 19.3 CU. YD.

24 19' - D.I. WATER MAIN, 6"
T.B.F. = 12.4 CU. YD.

25 25' - D.I. WATER MAIN, 6"
T.B.F. = 11.9 CU. YD.

26 30' - WATER SERVICE LINE 1"
T.B.F. = 11.9 CU. YD.

27 39' - D.I. WATER MAIN, 12"
T.B.F. = 17.0 CU. YD.

1 54' - SANITARY SEWER REMOVAL, 8"
54' - SANITARY SEWER, DUCTILE IRON, 8"
T.B.F. = 35.8 CU. YD.

7 STA. 15+59.0, 25.4' RT
DRAINAGE AND UTILITY
STRUCTURE TO BE ADJUSTED
EX RIM = 670.11
PR RIM = 669.88
INV = 663.09 (EX 21" S)
INV = 663.09 (21" NE)

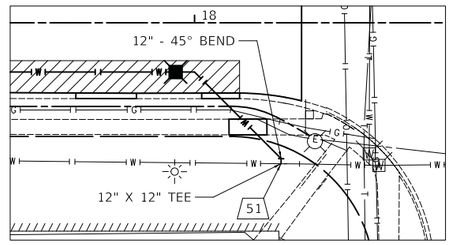
3 11' - STORM SEWER REMOVAL 21"
T.B.F. = 2.6 CU. YD.

4 9' - STORM SEWER, CL. A, T-2 21" @ 2.22%
D/S INV = 662.89
T.B.F. = 6.4 CU. YD.

5 143' - STORM SEWER REMOVAL 18"
T.B.F. = 0.0 CU. YD.

6 147' - 18" S.S., WM REQ @ 0.73%
U/S INV = 664.10
D/S INV = 663.03
T.B.F. = 119.0 CU. YD.

7 14' - STORM SEWER REMOVAL 15"
14' - S.S., WM REQ 15" (MATCH EXISTING SLOPE)
T.B.F. = 2.2 CU. YD.



WATER MAIN INTERIM CONDITION

SCALE: 1"=20'

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FILE NAME: ...\3455-sht-du.dgn

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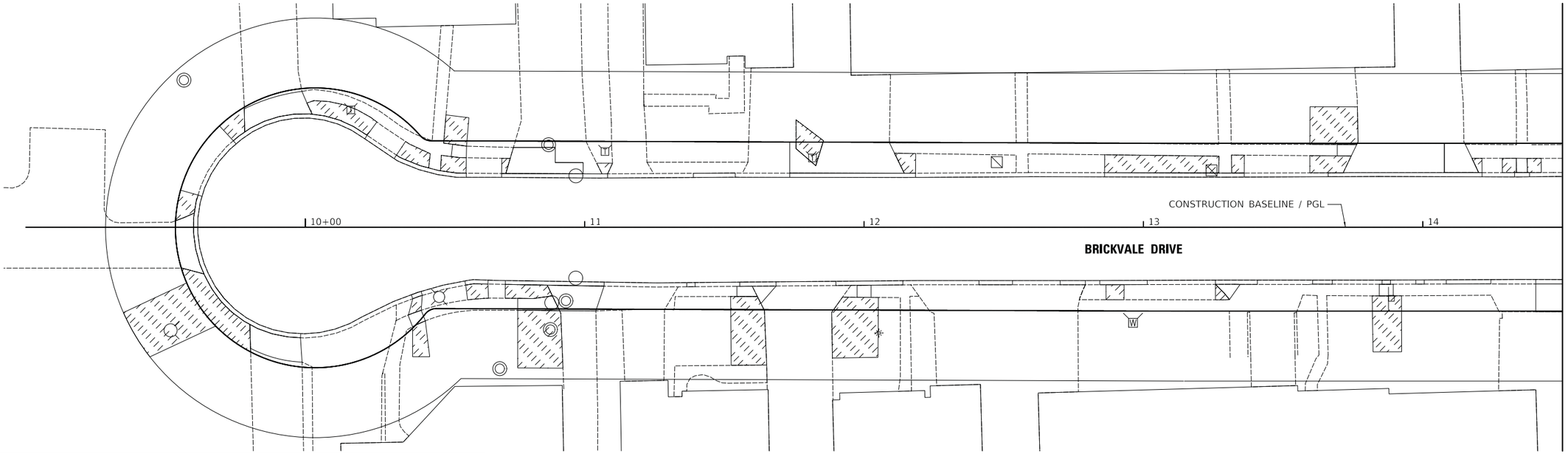
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

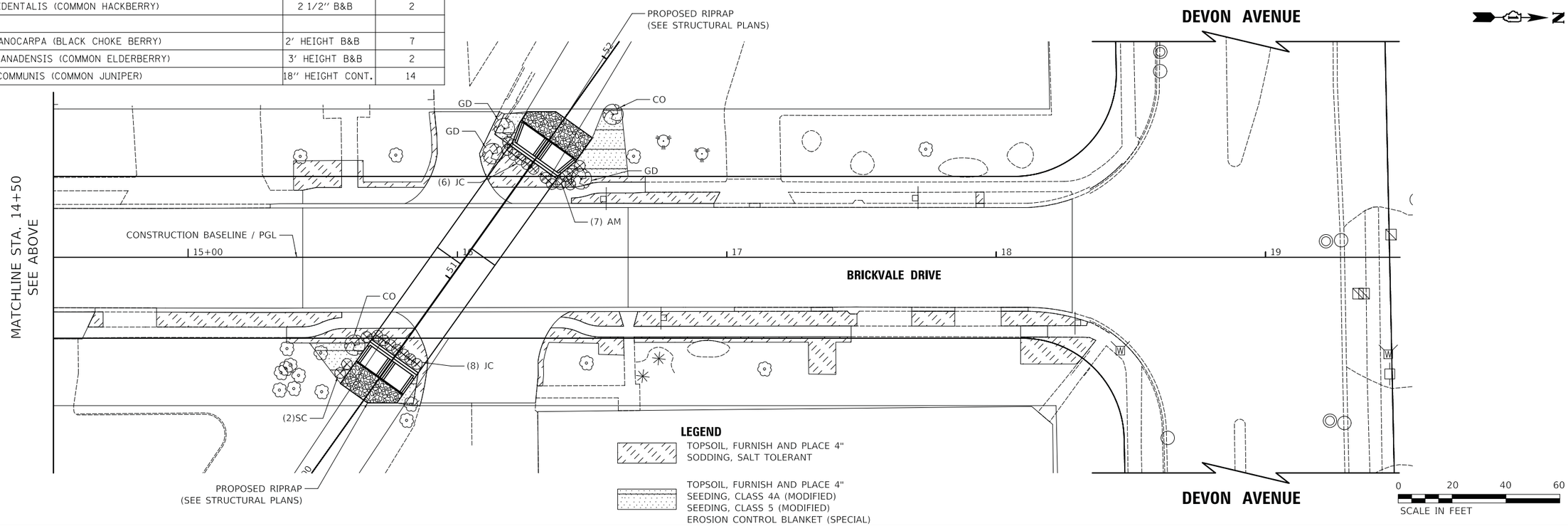
BRICKVALE DRIVE
DRAINAGE AND UTILITY PLAN

SCALE: | SHEET 4 OF 4 SHEETS | STA. 14+50 | TO STA. 19+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	28
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	



SYMBOL	ITEM	SIZE	QUANTITY
TREES			
GD	GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE)	2 1/2" B&B	3
CO	CELTIS OCCIDENTALIS (COMMON HACKBERRY)	2 1/2" B&B	2
SHRUBS			
AM	ARONIA MELANOCARPA (BLACK CHOKE BERRY)	2' HEIGHT B&B	7
SC	SAMBUCUS CANADENSIS (COMMON ELDERBERRY)	3' HEIGHT B&B	2
JC	JUNIPERUS COMMUNIS (COMMON JUNIPER)	18" HEIGHT CONT.	14



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PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

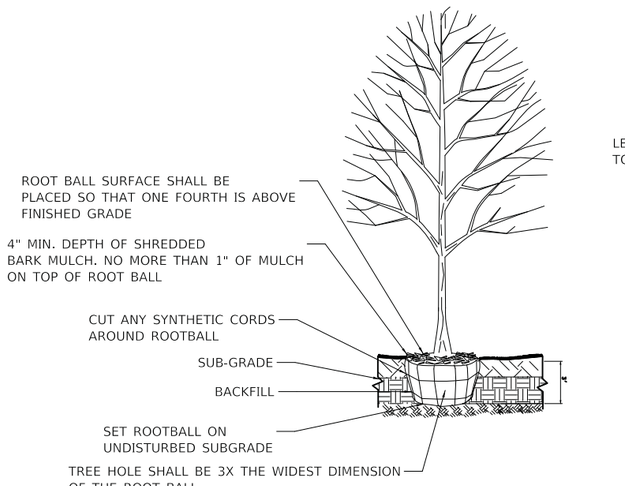
BRICKVALE DRIVE
LANDSCAPING PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

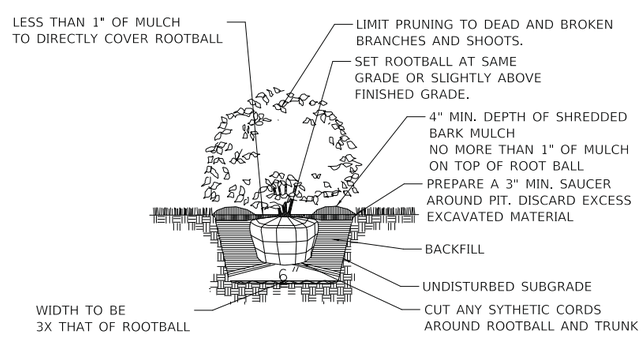
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	29
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

GENERAL CONSTRUCTION NOTES:

1. ALL ALTERATIONS MUST BE APPROVED BY THE ENGINEER.
2. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE ENGINEER HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
3. ENGINEER IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
4. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
5. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
6. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
7. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
8. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
9. CONTRACTOR TO DEEP SPADE EDGE AND MULCH ALL EXISTING LANDSCAPE BEDS WITHIN THE PROJECT LIMITS.



1 TREE PLANTING DETAIL
NTS



2 SHRUB PLANTING DETAIL
NTS

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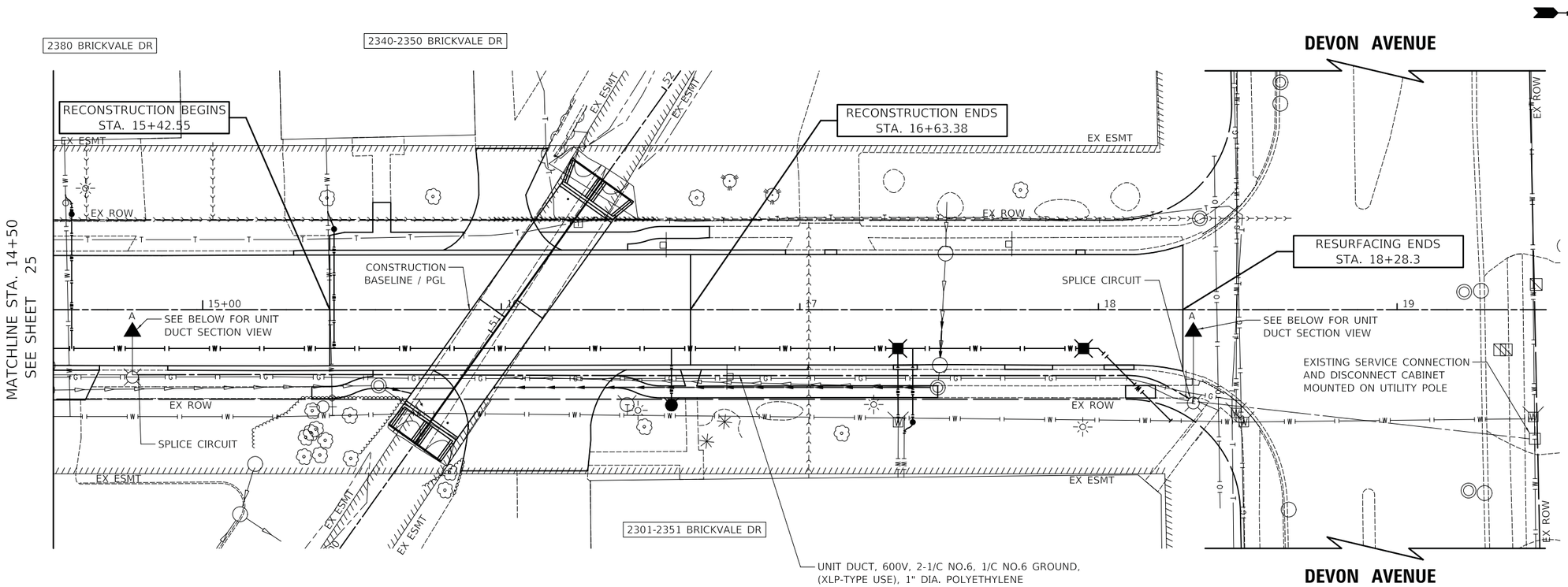
USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
LANDSCAPING NOTES

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	30
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



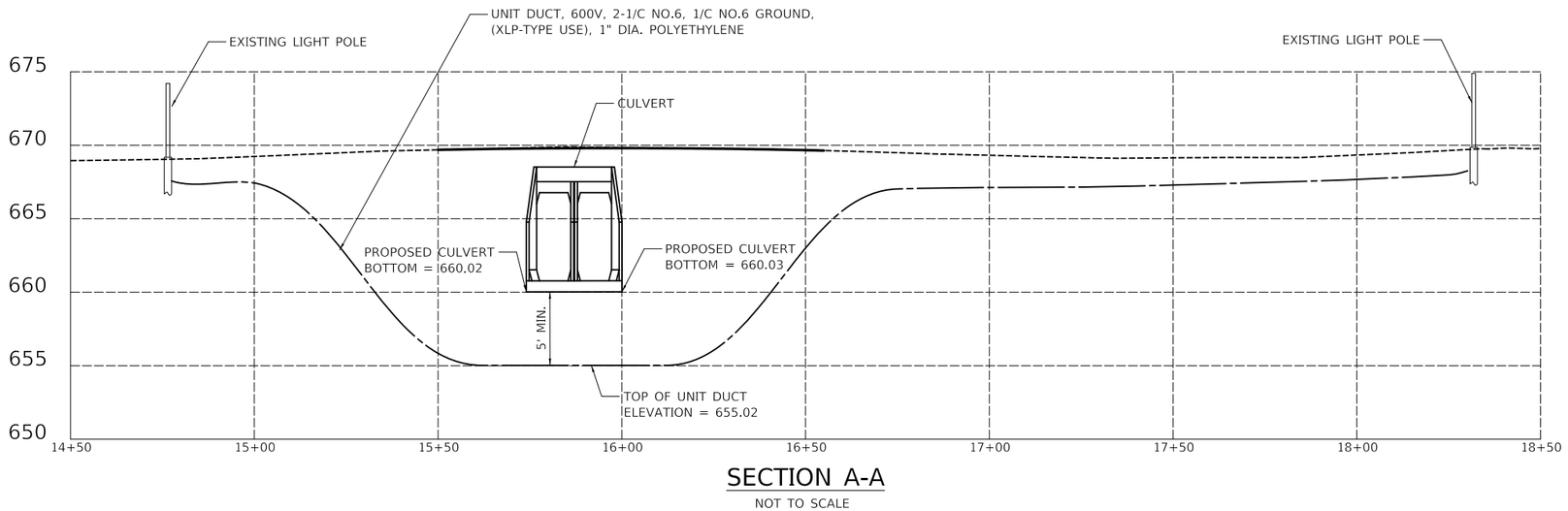
LIGHTING NOTES:

1. PROPOSED UNIT DUCT SHALL BE INSTALLED PRIOR TO CULVERT WORK BEGINS ON EAST SIDE OF ROADWAY. UNIT DUCT SHALL BE DIRECTIONAL DRILLED. THE MINIMUM DEPTH BELOW INVERT OF CULVERT SHALL BE 5 FEET.

2. LIGHTING SHALL REMAIN OPERATIONAL EACH EVENING. SPLICING OVER TO PROPOSED UNIT DUCT SHALL OCCUR IN ONE DAY.

3. IF THE LEAD TIME TO OBTAIN UNIT DUCT WILL NOT MEET CULVERT SCHEDULE, THE CONTRACTOR MAY INSTALL EMPTY UNIT DUCT AND PULL CABLES. THIS WILL BE PAID FOR AT THE SAME UNIT PRICE FOR THE UNIT DUCT PAY ITEM AND INCLUDE ALL WORK.

4. RUN PROPOSED UNIT DUCT INTO EXISITING LIGHT POLE FOUNDATION SLEEVE AND SPLICE CABLES IN THE LIGHT POLE HANDHOLE WITH NEW WATERPROOF SPLICES. NO UNDERGROUND SPLICING WILL BE ALLOWED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT DUCT PAY ITEM.



SECTION A-A

NOT TO SCALE

BRICKVALE DRIVE

0 20 40 60

SCALE IN FEET

MODEL: SMODELNAMES
FILE NAME: ...\3455-sht-lighting.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - KDC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

BRICKVALE DRIVE
LIGHTING PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 14+50 | TO STA. 19+00

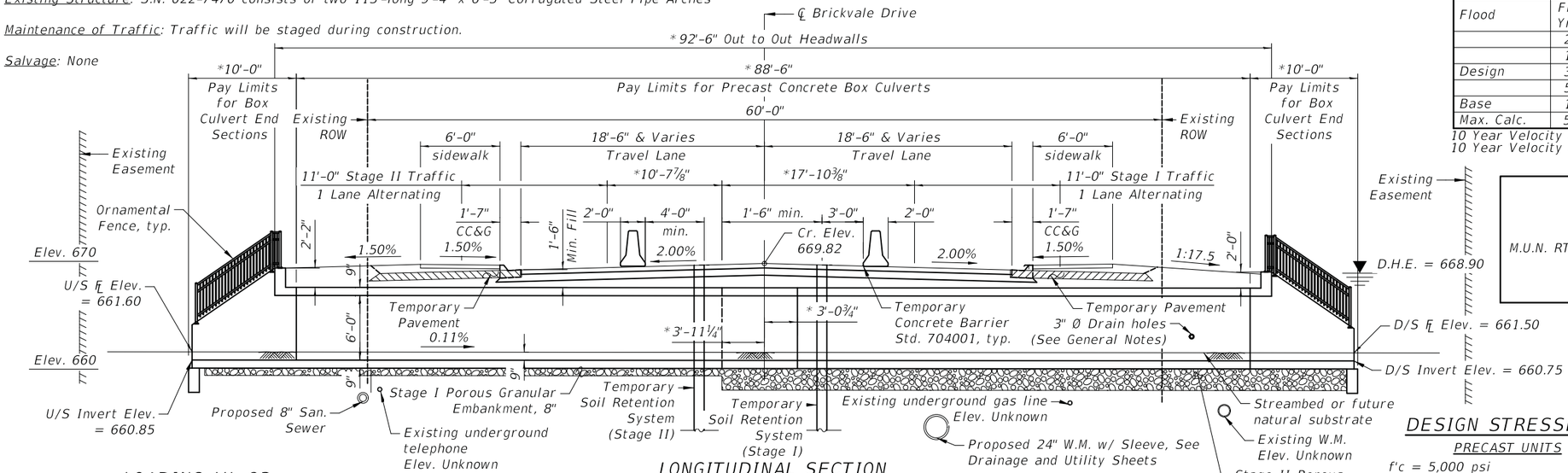
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	31
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			

Benchmark: T.B.M. #1, Cross Cut (Set) in Northeast Flange Bolt of First Fire Hydrant South of Devon Avenue on the East Side of Brickvale Drive. NAVD '88 Elevation 671.09

Existing Structure: S.N. 022-7470 consists of two 113'-long 9'-4" x 6'-3" Corrugated Steel Pipe Arches

Maintenance of Traffic: Traffic will be staged during construction.

Salvage: None



LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

LONGITUDINAL SECTION

(Horizontal dimensions measured at right angles to ℄ Brickvale Drive unless otherwise noted)
*Measured along ℄ Culvert

WATERWAY INFORMATION

Drainage Area = 1.89 sq. miles Low Grade Elev. - @ Sta. -

Flood	Freq. Yr.	Q C.F.S.	Opening Ft² Exist.	Opening Ft² Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	2	79	38.7	51.3	665.2	0.0	0.0	665.1	665.1
	10	148	78.6	94.5	668.3	0.0	0.0	668.4	668.4
Design	30	219	81.8	94.5	668.9	0.1	0.1	**669.0**	669.0
	50	259	81.8	94.5	669.1	0.1	0.1	669.2	669.2
Base	100	312	81.8	94.5	669.2	0.2	0.2	669.4	669.4
Max. Calc.	500	530	81.8	94.5	669.8	0.5	0.5	670.3	670.3

10 Year Velocity through Existing Bridge = 1.17 ft/sec
10 Year Velocity through Proposed Bridge = 1.22 ft/sec

INDEX OF SHEETS

STATION
BUILT 20__ BY
STATE OF ILLINOIS
M.U.N. RT. 1210 SEC. 15-00061-00-BR
LOADING HL-93
STR. NO. 022-7471

NAME PLATE

See Std. 515001

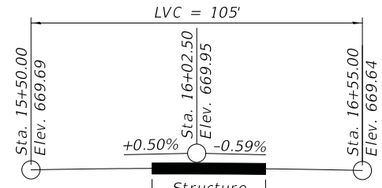
DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Fabric)

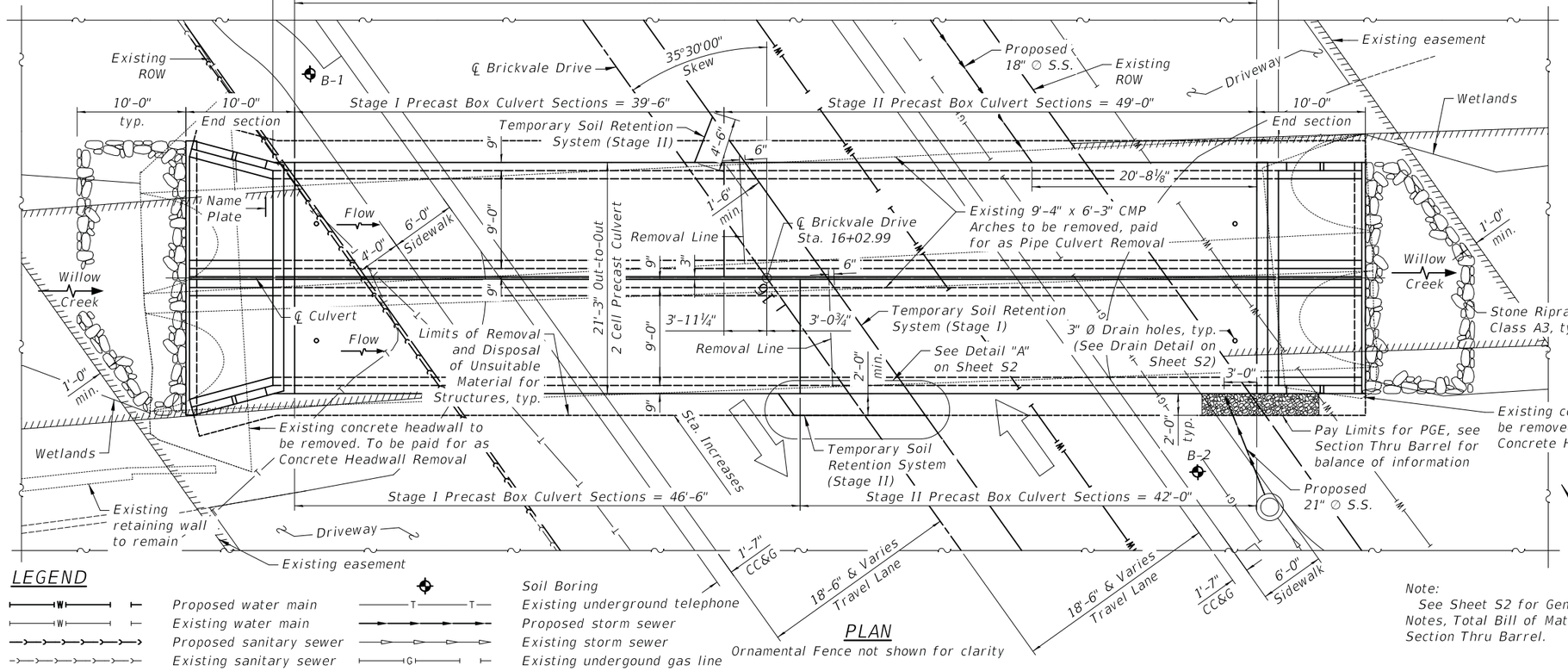
DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition



PROFILE GRADE

(Along ℄ Brickvale Drive)



PLAN

Ornamental Fence not shown for clarity

Note:
See Sheet S2 for General Notes, Total Bill of Material and Section Thru Barrel.

LEGEND

- Proposed water main
- Existing water main
- Proposed sanitary sewer
- Existing sanitary sewer
- Soil Boring
- Existing underground telephone
- Proposed storm sewer
- Existing storm sewer
- Existing undergound gas line

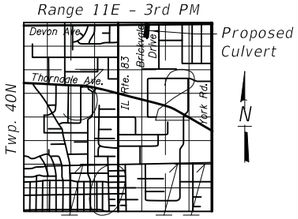
CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.

STATE OF ILLINOIS · GREGORY J. HATLESTAD · 081-005562 · LICENSED STRUCTURAL ENGINEER · CHICAGO, IL

I certify that to the best of knowledge, information and belief, this culvert is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current LRFD AASHTO Bridge Design Specifications.

GREGORY J. HATLESTAD, S.E.
081-005562
EXP 11-30-2022
DATE 2-26-2021

Range 11E - 3rd PM



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
BRICKVALE DRIVE OVER WILLOW CREEK
M.U.N. ROUTE 1210
SECTION 15-00061-00-BR
DUPAGE COUNTY
STA. 16+02.99
SN 022-7471

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DRAWN - M. Rendino	REVISED -	
DESIGNED - M. Rendino	REVISED -	
CHECKED - G. Hatlestad	REVISED -	
DATE - 2/22/2021	REVISED -	

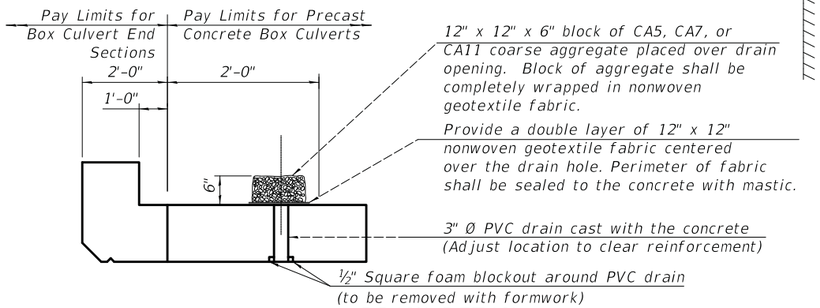
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND LONGITUDINAL SECTION
STRUCTURE NO. 022-7471
SHEET NO. S1 OF S5 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	32
		CONTRACT NO. 61H05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	250
Stone Riprap, Class A3	Sq. Yd.	46
Pipe Culvert Removal	Foot	227
Concrete Headwall Removal	Each	2
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	136
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	823
Precast Concrete Box Culverts, 9'x6'	Foot	177
Geocomposite Wall Drain	Sq. Yd.	234
Waterproofing Membrane System for Buried Structures	Sq. Yd.	234
Ornamental Fence	Foot	74
Precast Box Culvert End Section	Each	2



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for Precast Concrete Box Culverts.)

GENERAL NOTES:

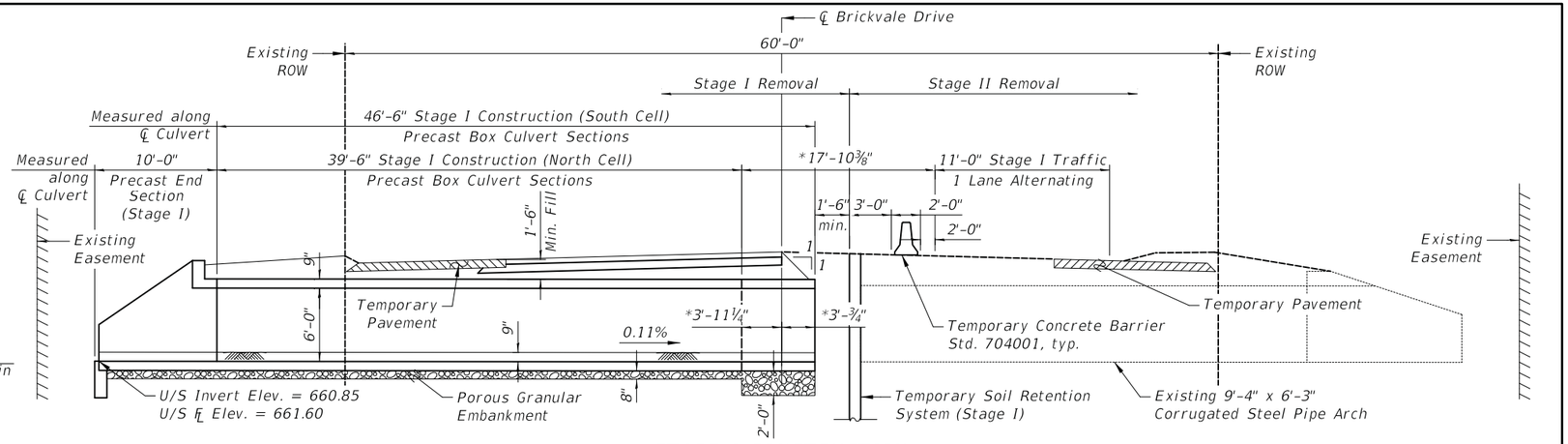
The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment, to be paid as Porous Granular Embankment, and any excavation required for this item is to be paid as Structure Excavation.

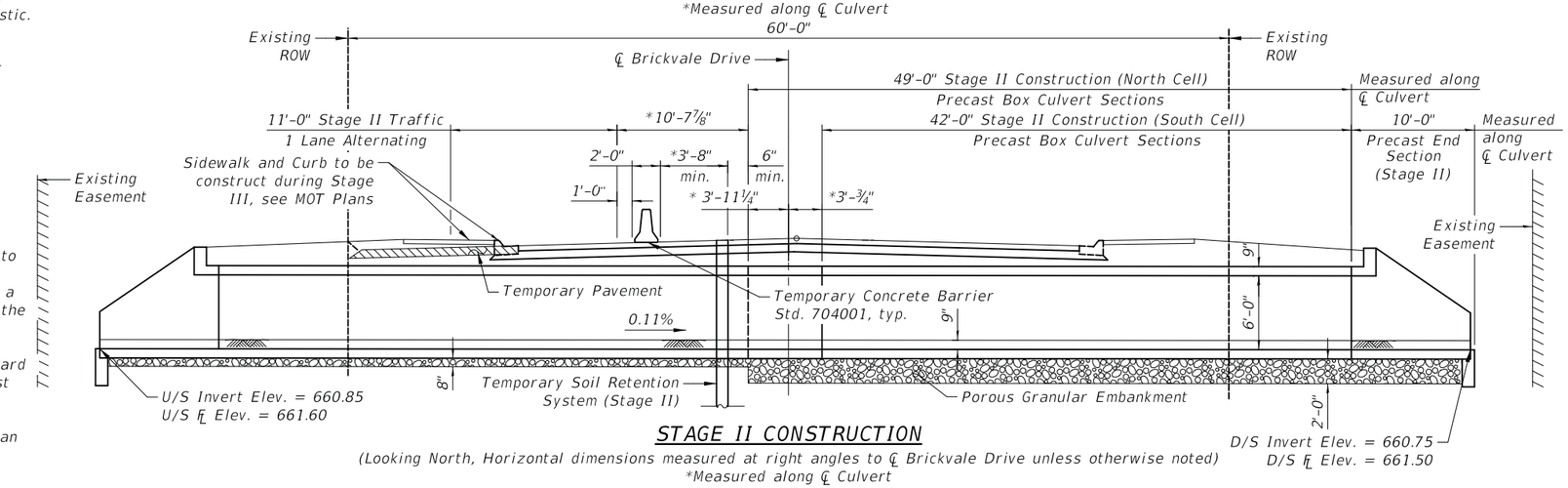
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



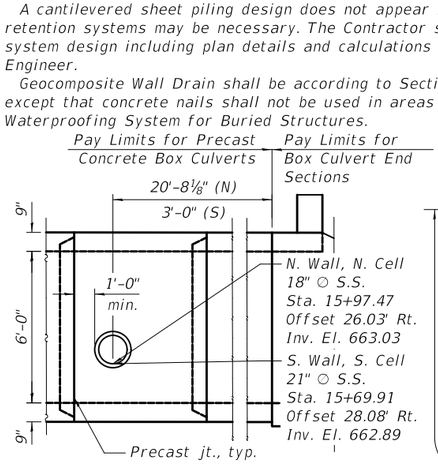
STAGE I CONSTRUCTION

(Looking North, Horizontal dimensions measured at right angles to ℄ Brickvale Drive unless otherwise noted)
**Measured along ℄ Culvert*



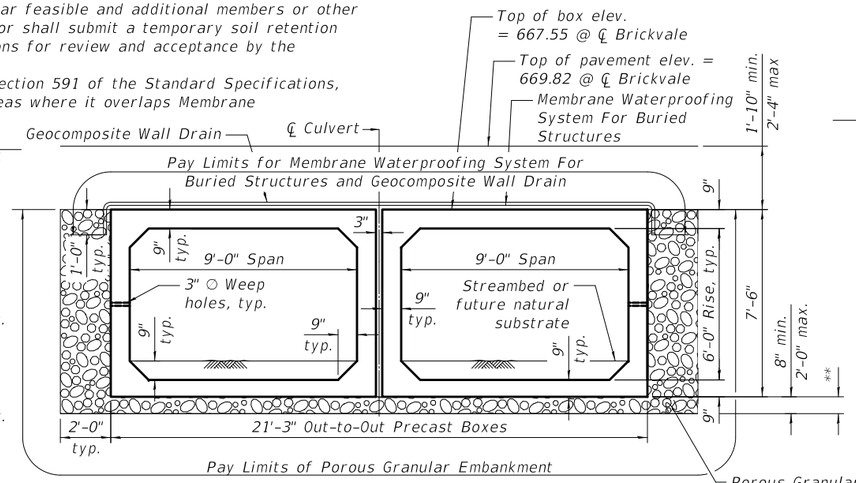
STAGE II CONSTRUCTION

(Looking North, Horizontal dimensions measured at right angles to ℄ Brickvale Drive unless otherwise noted)
**Measured along ℄ Culvert*

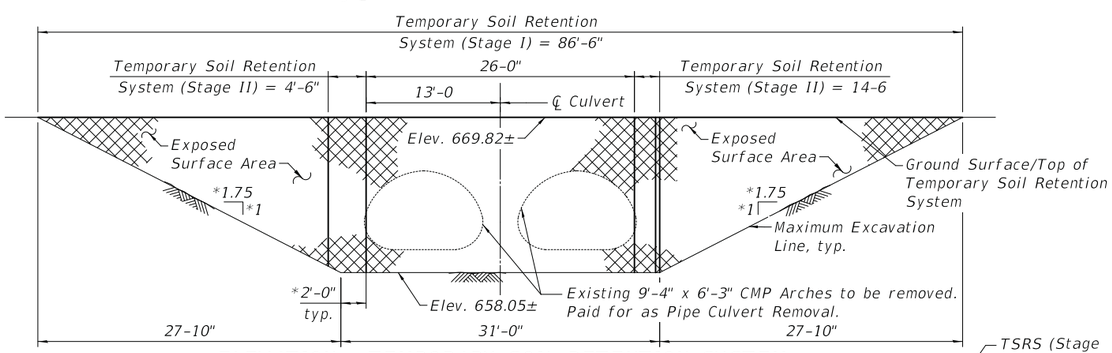


OPENING IN PRECAST CELLS

(Looking north)



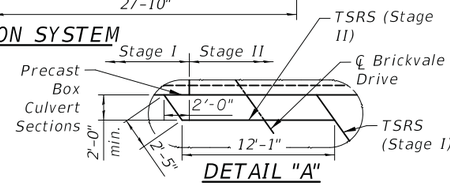
SECTION THRU BARREL



ELEVATION - TEMPORARY SOIL RETENTION SYSTEM

(Looking east)
**Measured at right angles to ℄ Culvert*

***Limits of Removal and Disposal of Unsuitable Material for Structures*



DETAIL "A"

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

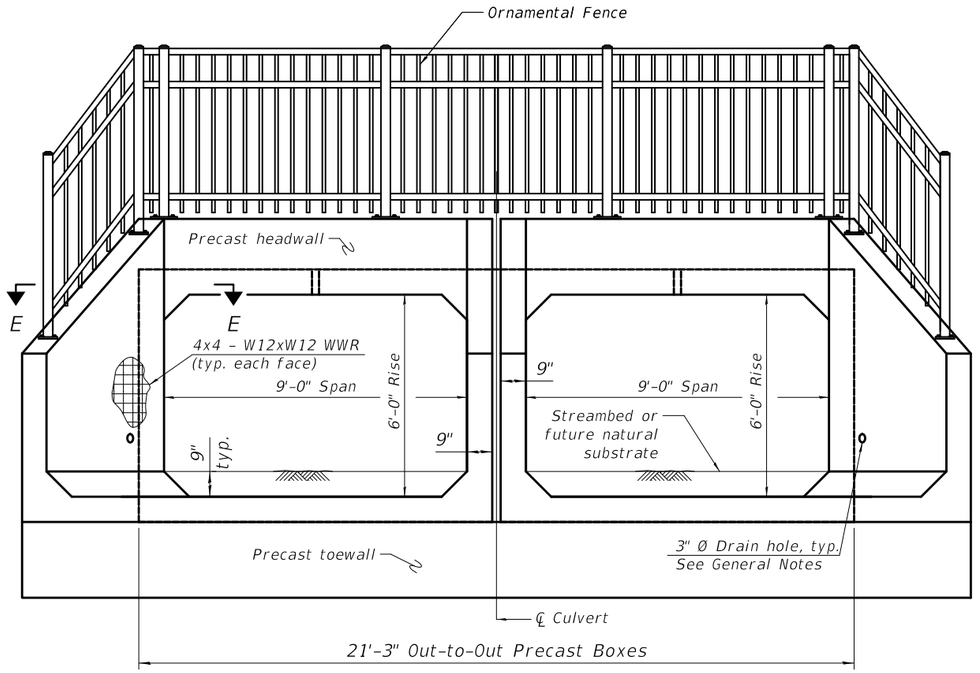
DRAWN - M. Rendino	REVISED -	
DESIGNED - M. Rendino	REVISED -	
CHECKED - G. Hatlestad	REVISED -	
DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

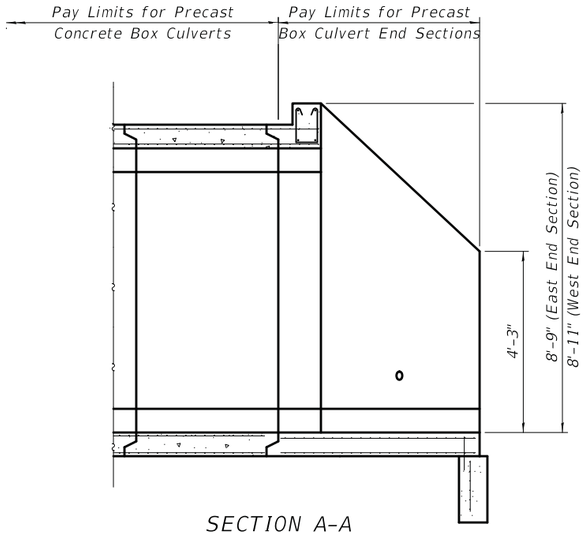
GENERAL DATA AND STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 022-7471

SHEET NO. S2 OF S5 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	33
		CONTRACT NO. 61H05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



END VIEW



SECTION A–A

(Ornamental Fence not shown for clarity)

GENERAL NOTES

Precast Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Precast Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Precast Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

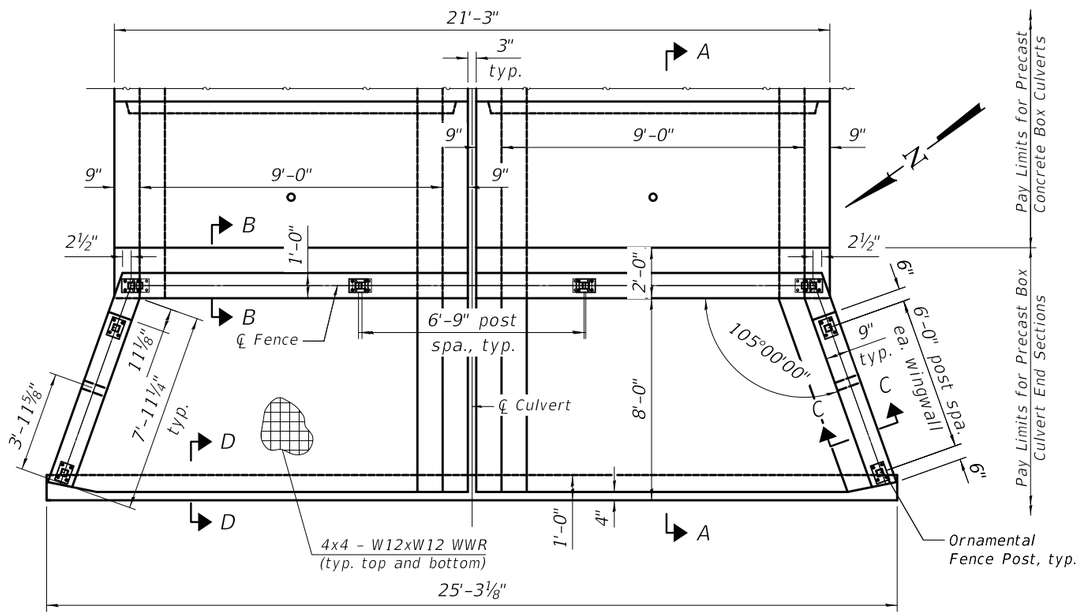
The details contained herein are for constructing the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast end sections including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein.

Shop drawings that detail slab thickness and reinforcement layout for the Precast Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than ½", nor more than 2".

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

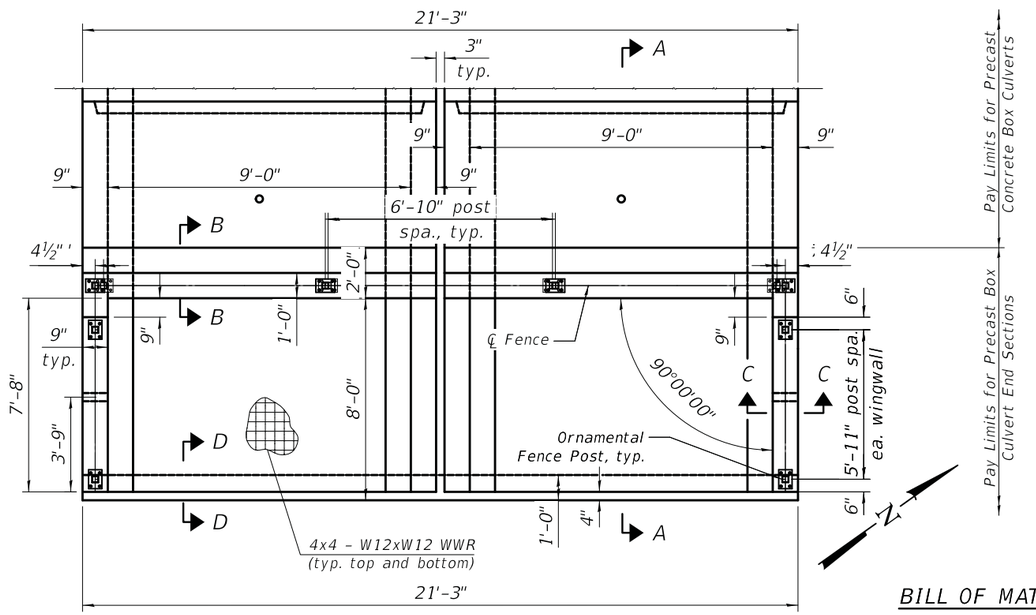
Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the precast box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



PLAN – WEST END SECTION

Note: See Ornamental Fence Elevation on Sheet S4 for Ornamental Fence information



PLAN – EAST END SECTION

BILL OF MATERIAL

Item	Unit	Quantity
Ornamental Fence	Foot	74

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

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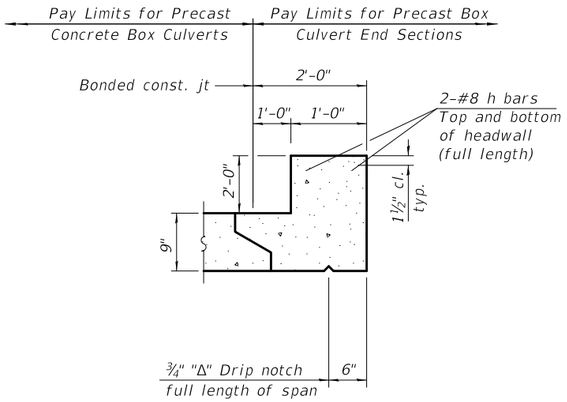
DESIGNED - M. Rendino	REVISED -	
CHECKED - G. Hatlestad	REVISED -	
DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

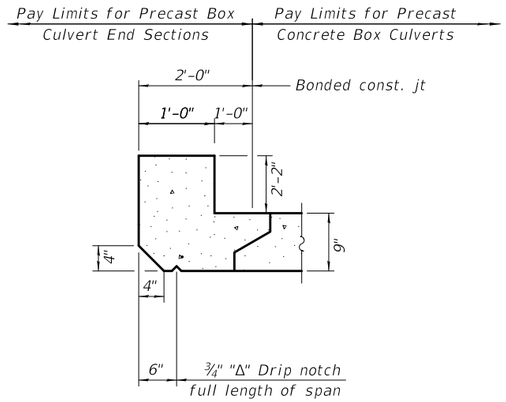
MULTI–CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS I – STRUCTURE NO. 022–7471

SHEET NO. S3 OF S5 SHEETS

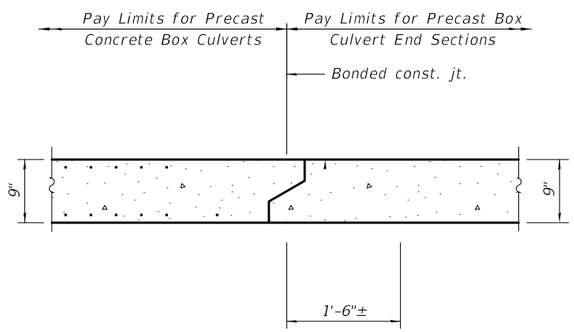
M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	34
		CONTRACT NO. 61H05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



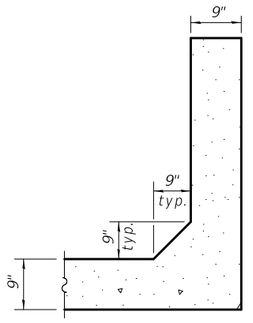
SECTION B-B
(Top slab at downstream end)



SECTION B-B
(Top slab at upstream end)

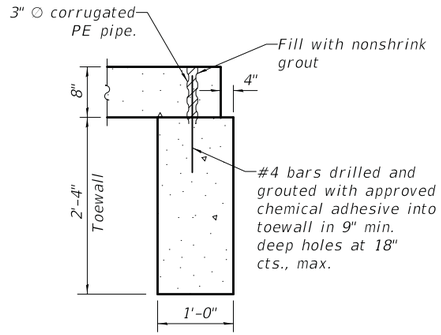


SECTION B-B
(Bottom slab)



SECTION C-C

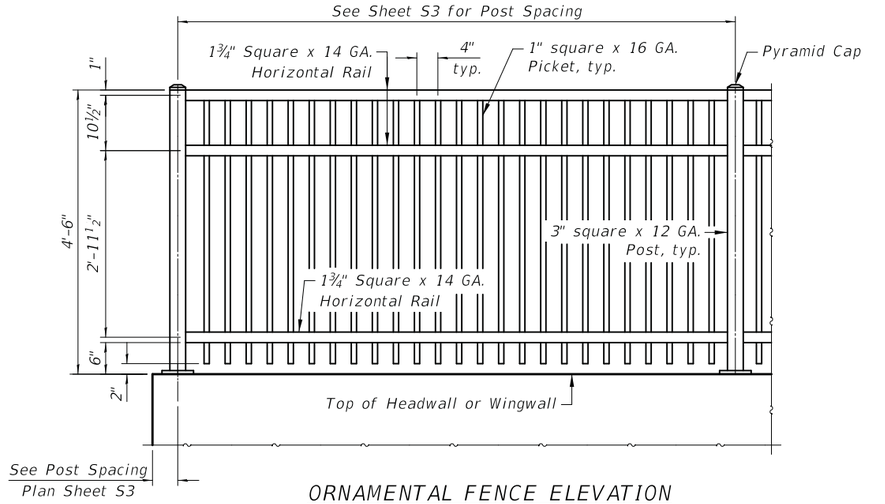
SECTION E-E



SECTION D-D

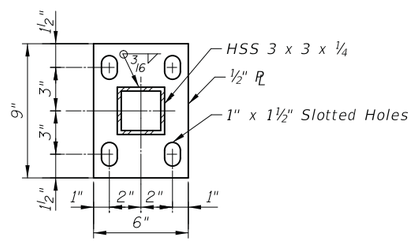
TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and place toewall.
2. Backfill accordingly and prepare bedding for precast box culvert end sections.
3. Place remainder of precast box culvert end section.

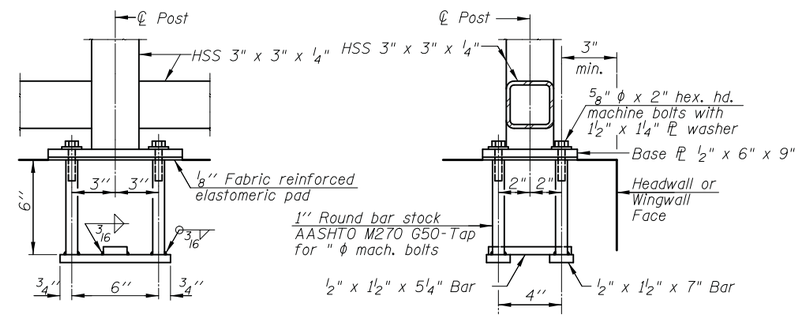


ORNAMENTAL FENCE ELEVATION

All posts, railings, splices, anchor devices, and bent plates shall be powder coated black.



ORNAMENTAL FENCE - BASE PL



ORNAMENTAL FENCE - ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

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DESIGNED - M. Rendino	REVISED -	
CHECKED - G. Hatlestad	REVISED -	
DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS II – STRUCTURE NO. 022-7471

SHEET NO. S4 OF S5 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	35
		CONTRACT NO. 61H05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MSET PROJECT NO.: 16203

LOG OF BORING NO. B-1

Page 1 of 1

PROJECT: Brickvale Drive over Willow Creek

SITE LOCATION: Elk Grove Village, Illinois

BORING LOCATION: Behind West Curb, N. of Culvert

CLIENT: Civiltech Engineering, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/ INTERVAL	SAMPLE NO.	N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0		FILL - Dark Brown and Black CLAY, trace Grave with SAND seams, A-6	670.0	SS	1	4	12		2.75 (Qp)	
		FILL - Brown SAND, little Gravel, A-3	667.5							
4		FILL - Grey and Black CLAY, A-6, moist very soft	666.5	SS	2	WOH	10			No Recovery - Sampled Auger Cuttings
		Dark Grey to Brown and Grey CLAY, trace Sand, trace Gravel, A-6, stiff	664.5	SS	3	5	26	89	1.55	
8				SS	4	15	26	95	1.75	
		Boulder at 10.5'								
		Grey CLAY, trace Sand, trace Gravel, A-6 , very stiff to stiff	659.0	SS	5	10	18	107	3.49	
12				SS	6	7	22	101	2.52	
16				SS	7	10	19	106	1.75	
				SS	8	9	19	106	2.52	
20				SS	9	8	18	106	1.82	
24				SS	10	7	20	104	1.82	
		End of Boring at 25'	645.0							

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: None
IMMEDIATELY AFTER DRILLING: Dry
DELAYED READING AFTER

MSET

BORING STARTED: 1/20/16
BORING COMPLETED: 1/20/16
LOGGED BY: GPF
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 16203

LOG OF BORING NO. B-2

Page 1 of 1

PROJECT: Brickvale Drive over Willow Creek

SITE LOCATION: Elk Grove Village, Illinois

BORING LOCATION: Near East Curb, S. of Culvert

CLIENT: Civiltech Engineering, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/ INTERVAL	SAMPLE NO.	N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0		Bituminous Concrete (5")	669.5							
		BASE COURSE - Brown SAND and GRAVEL (8")	669.1 668.5	SS	1A	21	13		4.5+ (Qp)	
		FILL - Dark Grey and Black CLAY, little Gravel, A-6, hard	667.5	SS	1B	24	4			
4		FILL - Brown SAND, little Gravel, A-3	666.0	SS	2	2	23		1.75 (Qp)	
		FILL - Grey and Black CLAY, A-6, stiff								
		Black to Dark Grey and Black CLAY, trace Organics, A-7-6, soft to very soft	664.0	SS	3	2	51		0.25 (Qp)	
8				SS	4A	1	36		0.5 (Qp)	
				SS	4B	1	73			
		Dark Grey, wet	659.0							
		Brown and Grey CLAY, trace Sand, trace Gravel, A-6, hard		SS	5	15	16	115	4.00	
12		Grey CLAY, trace Sand, trace Gravel, A-6, very stiff to stiff	656.5	SS	6	14	17	97	2.99	
16				SS	7	11	21	104	2.33	
		wet Sand seam at 16.5'								
				SS	8	6	20	106	1.94	
20		wet to 25'								
				SS	9	10	19	108	2.02	
24				SS	10	10	20	108	1.75	
		End of Boring at 25'	644.5							

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 9.0'
IMMEDIATELY AFTER DRILLING: 12.5'
DELAYED READING AFTER

MSET

BORING STARTED: 1/20/16
BORING COMPLETED: 1/20/16
LOGGED BY: GPF
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

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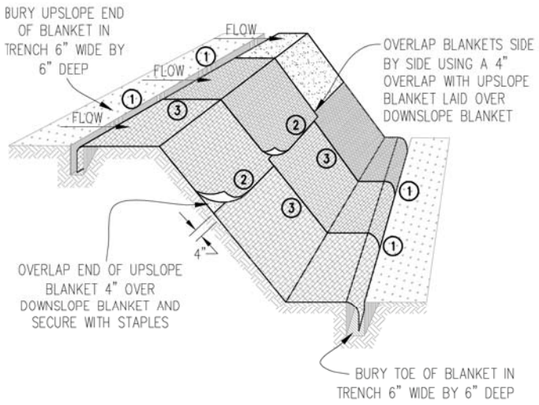
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

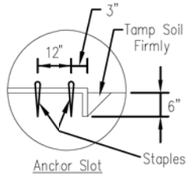
DRAWN	- M. Rendino	REVISED -
DESIGNED	- M. Rendino	REVISED -
CHECKED	- G. Hatlestad	REVISED -
DATE	- 2/22/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

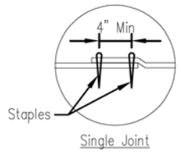
SOIL BORING LOGS
STRUCTURE NO. 022-7471
SHEET NO. 55 OF 55 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	36
		CONTRACT NO. 61H05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

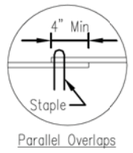




DETAIL 1



DETAIL 2



DETAIL 3

STAPLE DETAIL

PUSH PIN DETAIL

NOTES:

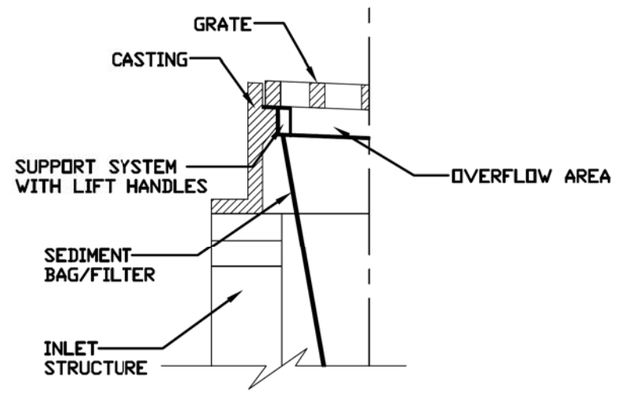
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

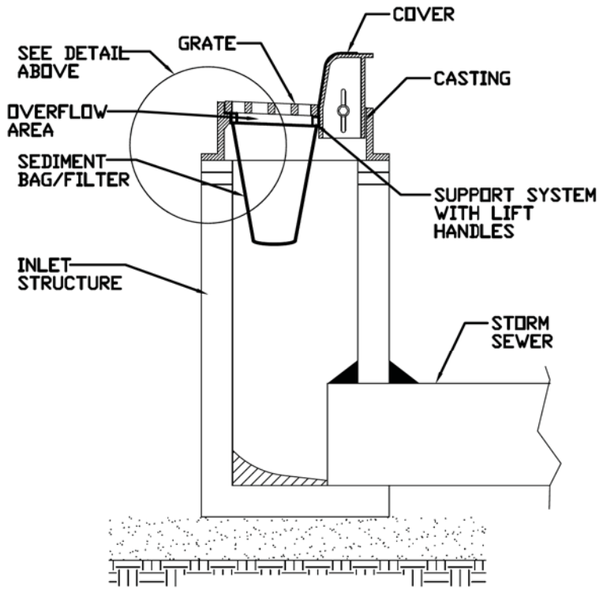
Sheet 1 of 1 | Drawing No. IUM-530 | File No.

EROSION CONTROL
BLANKET INSTALLATION DETAILS

	Date
Designed	
Drawn B. JOHNSON	11/08
Checked	
Approved	

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION





REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

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USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

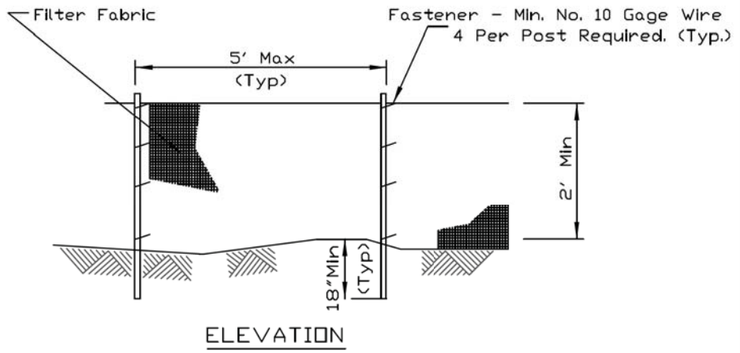
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

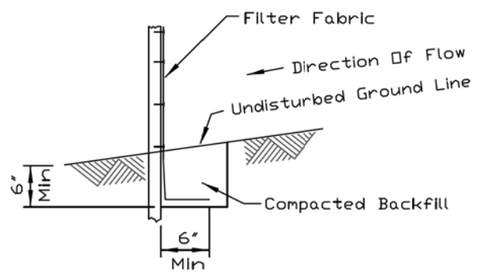
SCALE: N.T.S. | SHEET 1 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	37
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

SILT FENCE PLAN



ELEVATION



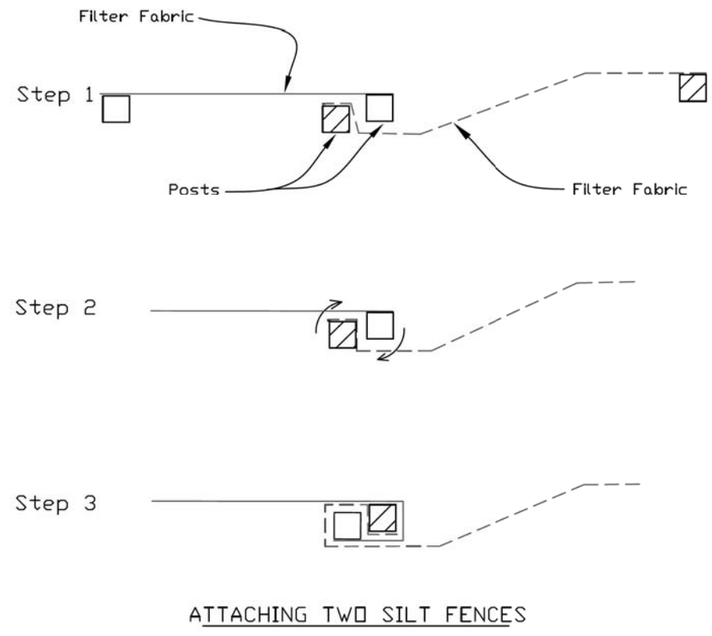
FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620A
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 3-16-12
Approved ____ Date ____		

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

MODEL: $MODELNAMES
FILE NAME: ...\345-dh-details.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

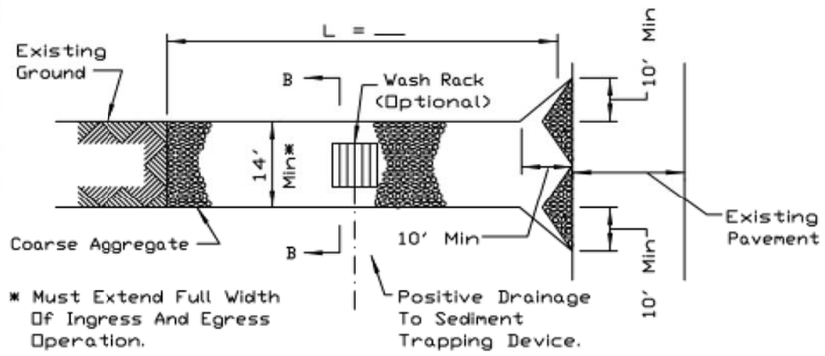
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

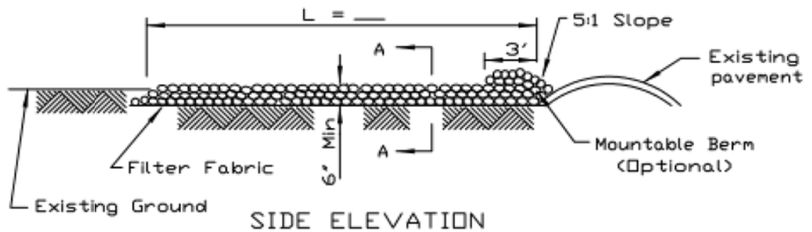
SCALE: N.T.S. | SHEET 2 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	38
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



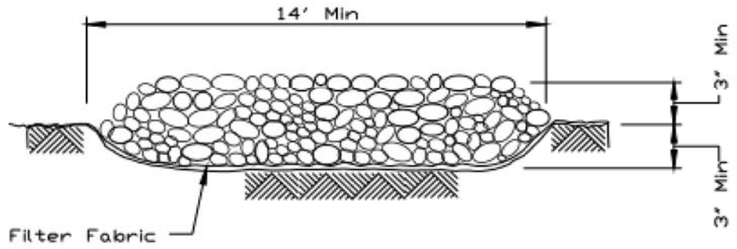
SIDE ELEVATION

NOTES:

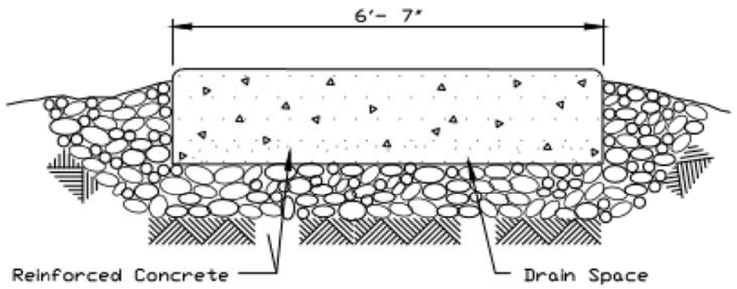
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-630
Designed	Date		SHEET 1 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-630
Designed	Date		SHEET 2 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

MODEL: SMODELNAMES
FILE NAME: ...\3455-sht-details.dgn

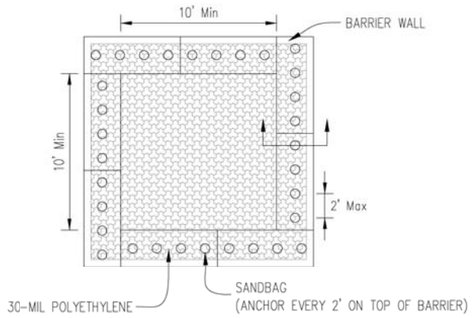
USER NAME = djk	DESIGNED - KDC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

BRICKVALE DRIVE
CONSTRUCTION DETAILS

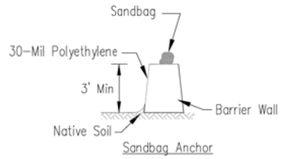
SCALE: N.T.S. | SHEET 3 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	39
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

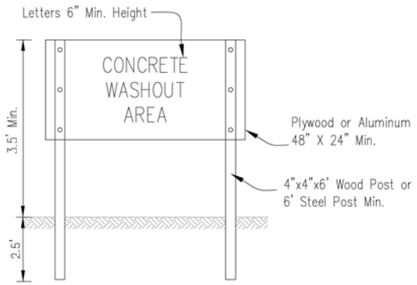
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

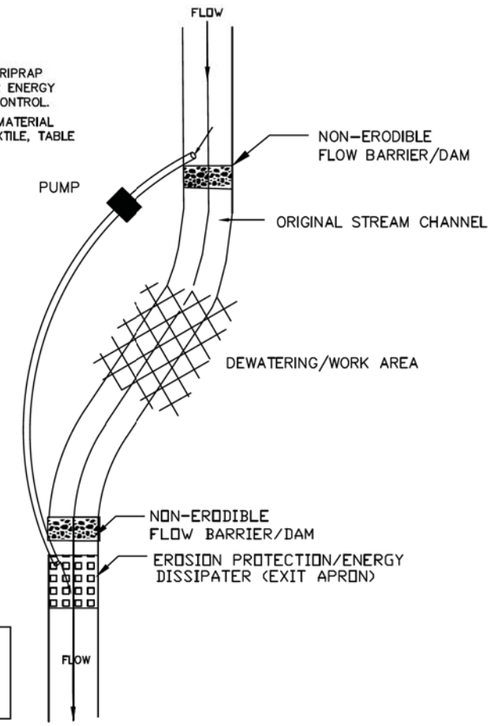
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 3	IUM-676HW	TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL	Designed _____ Date _____ Drawn B. JOHNSON 6/08 Checked _____ Approved _____

TEMPORARY STREAM DIVERSION - BYPASS PUMP

NOTES:
1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



PUMP SIZE: ____

EROSION PROTECTION/ ENERGY DISSIPATOR DETAILS:

TYPICAL PUMPED DIVERSION PLAN

REFERENCE		STANDARD DWG. NO.
Project _____		IUM-676BP
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 7-29-2011
Approved _____ Date _____		

MODEL: SMODELNAMES
FILE NAME: ...\345-dht-details.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

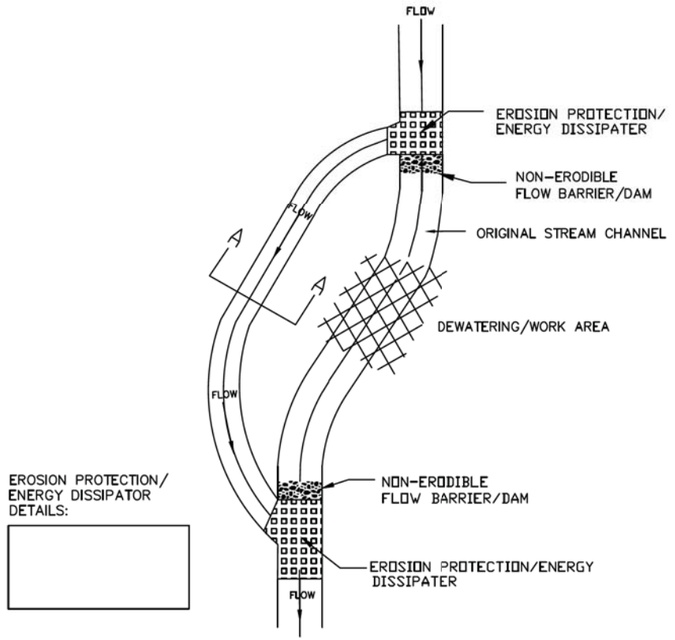
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

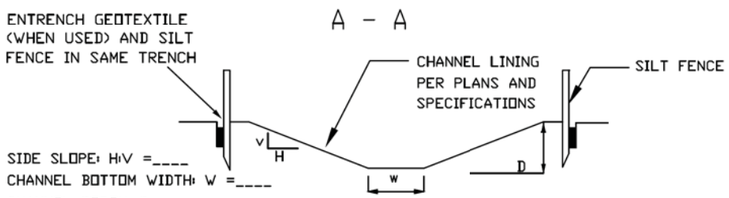
SCALE: N.T.S. | SHEET 4 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	40
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			

TEMPORARY STREAM DIVERSION - DIVERSION CHANNEL



TYPICAL DIVERSION CHANNEL PLAN

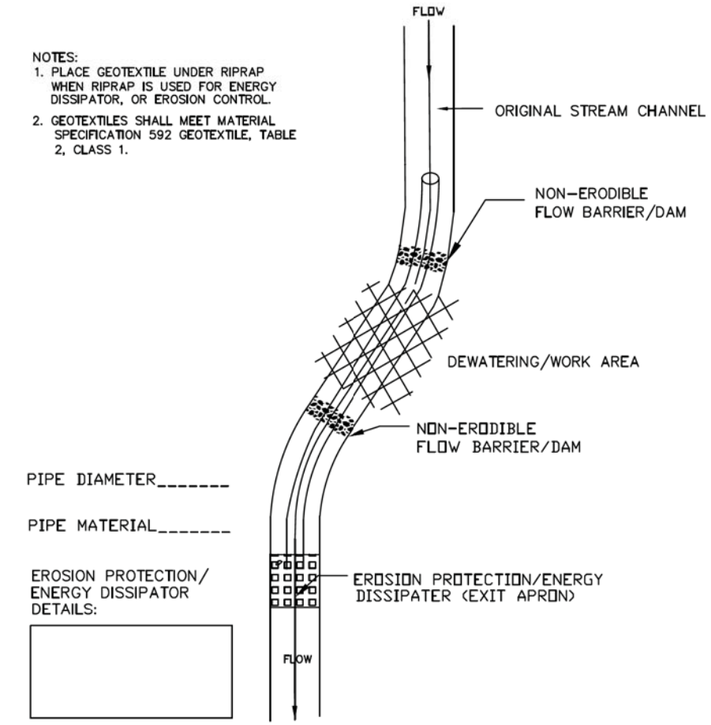


TYPICAL DIVERSION CHANNEL CROSS SECTION

REFERENCE		STANDARD DWG. NO.
Project		IUM-676PD
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 7-29-2011
Approved	Date	

TEMPORARY STREAM DIVERSION - PIPE DIVERSION

NOTES:
1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



TYPICAL PIPE DIVERSION PLAN

REFERENCE		STANDARD DWG. NO.
Project		IUM-676PD
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 7-29-2011
Approved	Date	

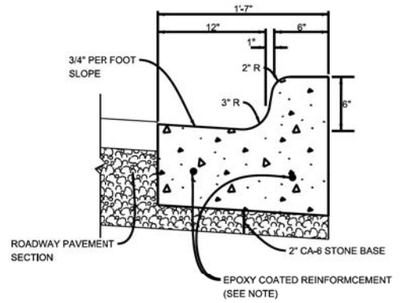
MODEL: SMODELNAMES
FILE NAME: ...\3455-sht-details.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

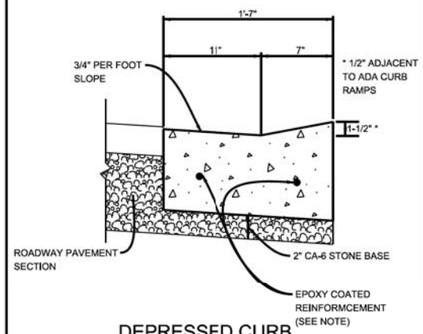
BRICKVALE DRIVE
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 5 OF 9 SHEETS

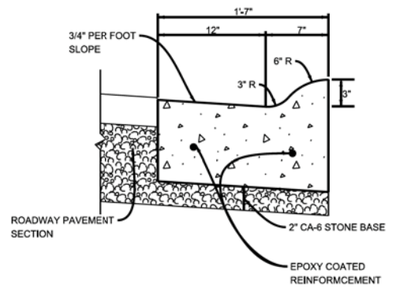
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	41
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



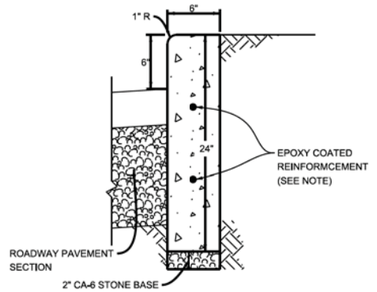
TYPE B-6.12



DEPRESSED CURB



TYPE M-3.12

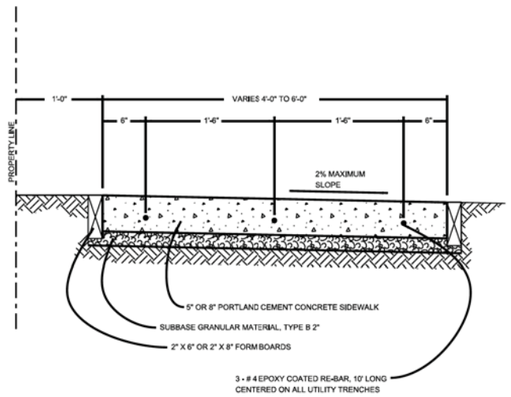


TYPE B-6

NOTE:

1. CURB AND GUTTER PATCHES LESS THAN 5 FEET SHALL HAVE 2 - #8 EPOXY COATED TIE BARS (18" LONG) DRILLED AND GROUTED TO THE EXISTING CURB AND GUTTER ON BOTH ENDS OF THE PATCH.
2. CURB AND GUTTER PATCHES GREATER THAN 5 FEET SHALL HAVE 2 - #8 EPOXY COATED TIE BARS (18" LONG) DRILLED AND GROUTED TO THE EXISTING CURB AND GUTTER ON BOTH ENDS OF THE PATCH, AND 2 - #4 CONTINOUS REBAR THROUGH OUT THE LENGTH OF THE PATCH (MINIMUM 6" OVELAP).
3. 2 - #8 EPOXY COATED DOWEL BARS (18" LONG), DRILLED AND GROUTED WITH EXPANSION CAPS, AND 1" FULL DEPTH & WIDTH PREFORMED EXPANSION JOINT FILLER REQUIRED AT EXPANSION JOINTS, 5' EITHER SIDE OF CURB STRUCTURES, OR AS DIRECTED BY THE ENGINEER.
4. ALL REINFORCEMENT SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER.
5. SEE THE SPECIFICATIONS FOR LANDSCAPE AND PAVEMENT RESTORATION.

CURB AND GUTTER DETAILS



NOTE:

1. PROVIDE 1/2" PREFORMED EXPANSION JOINT (FULL DEPTH) AT 50' INTERVALS AND ALONG ALL ABUTTING CONCRETE WORK.
2. ALL CURB SIDEWALK RAMPS SHALL MEET THE APPLICABLE IDOT STANDARDS 424001, 424006, 424011, 424016, OR 424021.
3. DETECTABLE WARNING PANELS SHALL BE ONE OF THE PRODUCTS SPECIFIED IN THE SPECIAL PROVISIONS AND SHALL BE INSTALLED PER THE APPLICABLE IDOT STANDARDS 424001, 424006, 424011, 424016, OR 424021.
4. SEE THE SPECIFICATIONS FOR LANDSCAPE AND PAVEMENT RESTORATION.
5. SIDEWALK THROUGH DRIVE ENTRANCES SHALL HAVE CONTRACTION JOINTS ON 4-FOOT CENTERS UNLESS OTHERWISE DIRECTED BY ENGINEER.

PCC SIDEWALK

VILLAGE OF ELK GROVE VILLAGE

NO.	REVISIONS	BY	DATE
1	REVISED	BY	4/10/14
2	REVISED	BY	5/2/17
3	REVISED	BY	2/29/20

PCC DETAIL SHEET 01

DESIGNED BY: D.C.B.

DRAWN BY: D.C.B.

NTS

PCC - 01

SHEET NO.

MODEL: sMODELNAME5
FILE NAME: ...\3455-ihc-details.dgn

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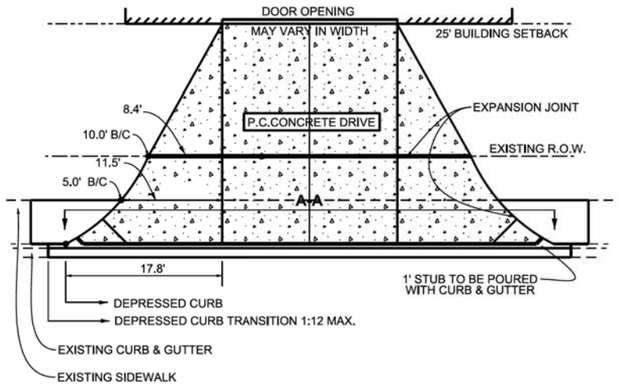
	DRAWN - KDC	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

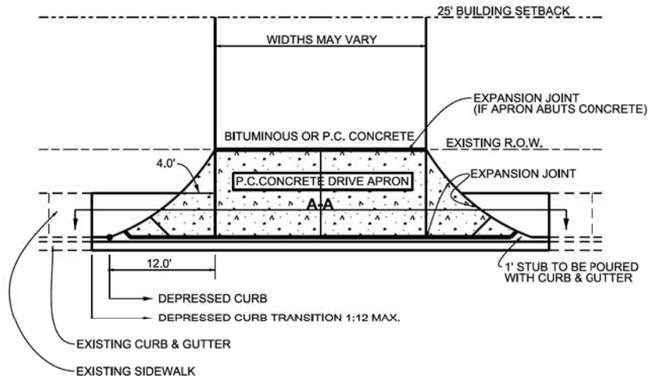
SCALE: N.T.S. | SHEET 6 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	42
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

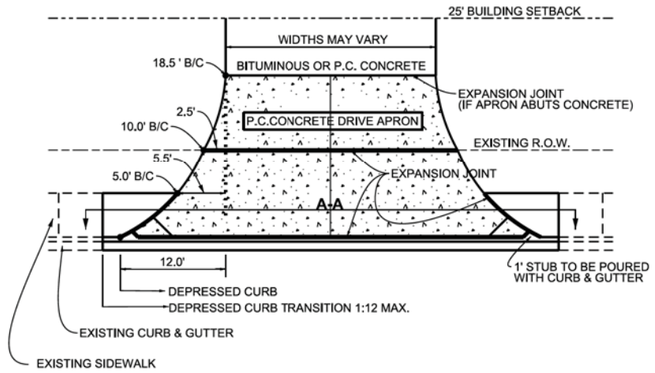


NOTE: 1. CONTRACTION JOINTS SHALL NOT BE SPACED MORE THAN 15' APART.

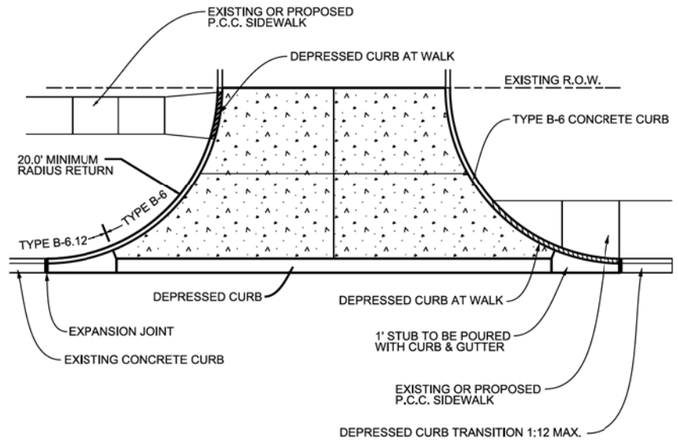
COMMERCIAL / INDUSTRIAL DRIVE APRON ON-STREET LOADING DOCK



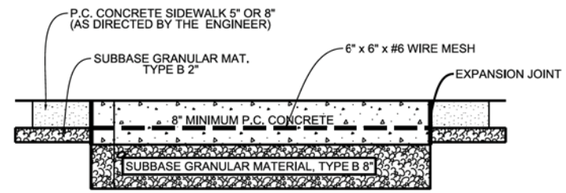
COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITHOUT CURB



COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITH AN OFF-STREET LOADING DOCK



COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITH CURB



SECTION A-A

VILLAGE OF ELK GROVE VILLAGE

NO.	REVISIONS	BY	DATE
4/10/14			
1	REVISED		

PCC DETAIL SHEET 02

DESIGNED BY: D.C.B.

DRAWN BY: D.C.B.

NTS

PCC - 02

SHEET NO.

MODEL: SMODELNAMES
FILE NAME: ...\3455-sht-details.dgn

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	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 7 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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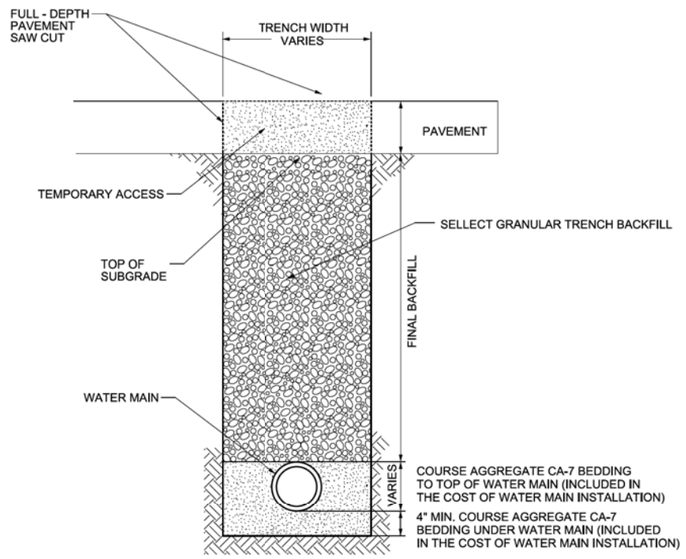
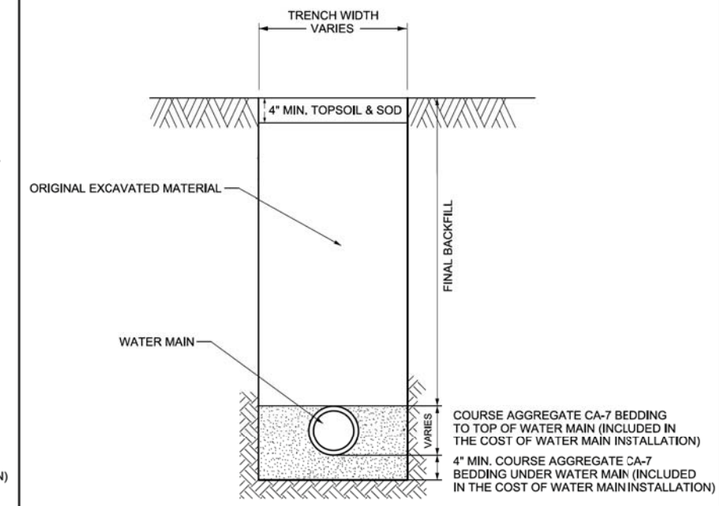
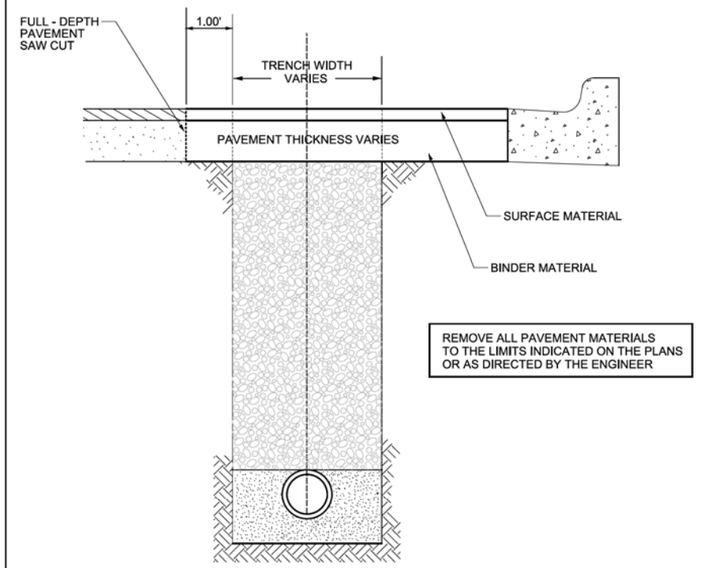
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



SELECT GRANULAR TRENCH BACKFILL DETAIL



TRENCH BACKFILL DETAIL FOR NON PAVED AREAS



PAVEMENT RESTORATION DETAIL

VILLAGE
OF
ELK GROVE VILLAGE

NO.	DATE	BY	REVISIONS
2	3/19/18		REVISED
1	4/10/14		REVISED

TRENCH BACKFILL DETAIL SHEET 01

DESIGNED BY: D.C.B.

DRAWN BY: D.C.B.

NTS

TB - 01

SHEET NO.

MODEL: SMODELNAMES
FILE NAME: ...\345-sht-details.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
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PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 8 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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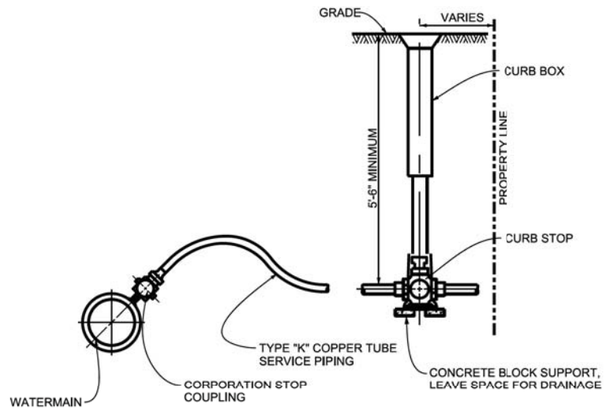
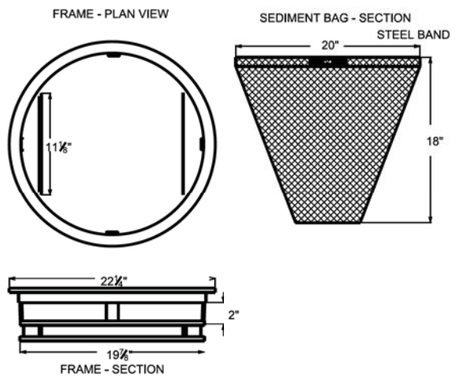
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			



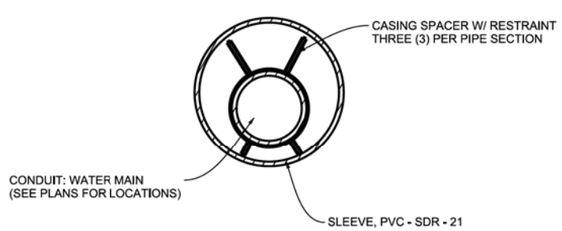
WATER SERVICE



NOTES:

1. FRAME: TOP FLANGE FABRICATED FROM 1 1/4 "X1 1/4 "X1/8" ANGLE. BASE RIM FABRICATED FROM 1 1/2 "X1/2"X1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1 1/4 "X1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.
2. SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./ SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL STRAP AND LOCK.
3. FILTER FOR OTHER SHAPE GRATES SHALL BE APPROVED IN ADVANCE OF PLACEMENT BY THE ENGINEER.

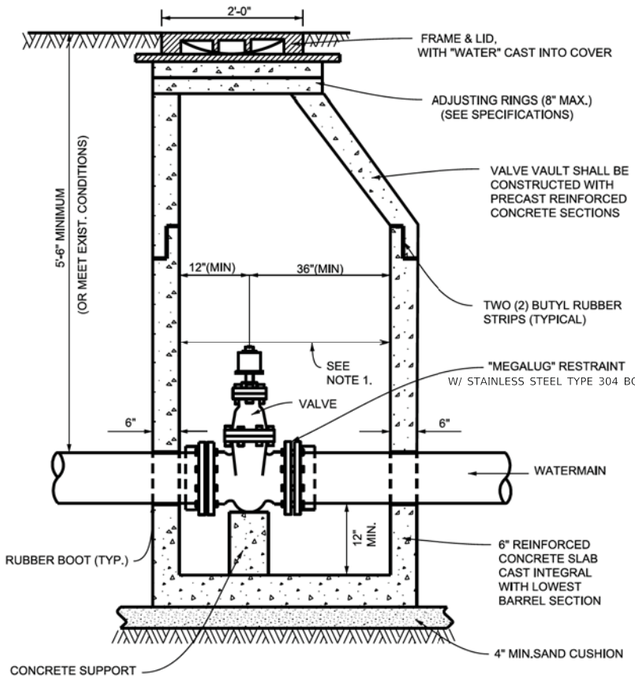
INLET BASKET FILTER



NOTES:

1. SLEEVE PIPE SHALL BE INSTALLED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. WATER MAIN CASING SPACERS SHALL BE RESTRAINED IN POSITION.
3. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE DETERMINED BY CONTRACTOR BUT IN NO CASE SHALL IT BE LESS THAN 8" LARGER THAN THE DIAMETER OF THE WATER MAIN PIPE TO ALLOW AMPLE SPACE FOR BELLS.
4. INSTALL ALL STAINLESS STEEL CASING SPACERS (BY CASCADE ~~OR APPROVED EQUAL~~) FOR EACH PIPE LENGTH ON 6' CENTERS, OF THE SIZE RECOMMENDED BY THE MANUFACTURER
5. BRICK AND MORTAR BULKHEAD (BOTH ENDS) AS APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.

SLEEVE DETAIL



NOTE:

1. VALVE VAULTS SHALL BE 48 INCH DIAMETER VAULTS FOR WATERMAINS 8 INCH DIAMETER OR SMALLER AND 60 INCH DIAMETER FOR WATERMAINS 10 INCH DIAMETER OR LARGER.

VALVE VAULT

VILLAGE OF ELK GROVE VILLAGE

NO.	REVISIONS	BY	DATE
1	REVISED		4/10/14

UTILITY DETAIL SHEET

DESIGNED BY: D.C.B.

DRAWN BY: D.C.B.

NTS

UTL - 01

SHEET NO.

MODEL: SMODELNAMES
FILE NAME: ...\345-sht-details.dgn

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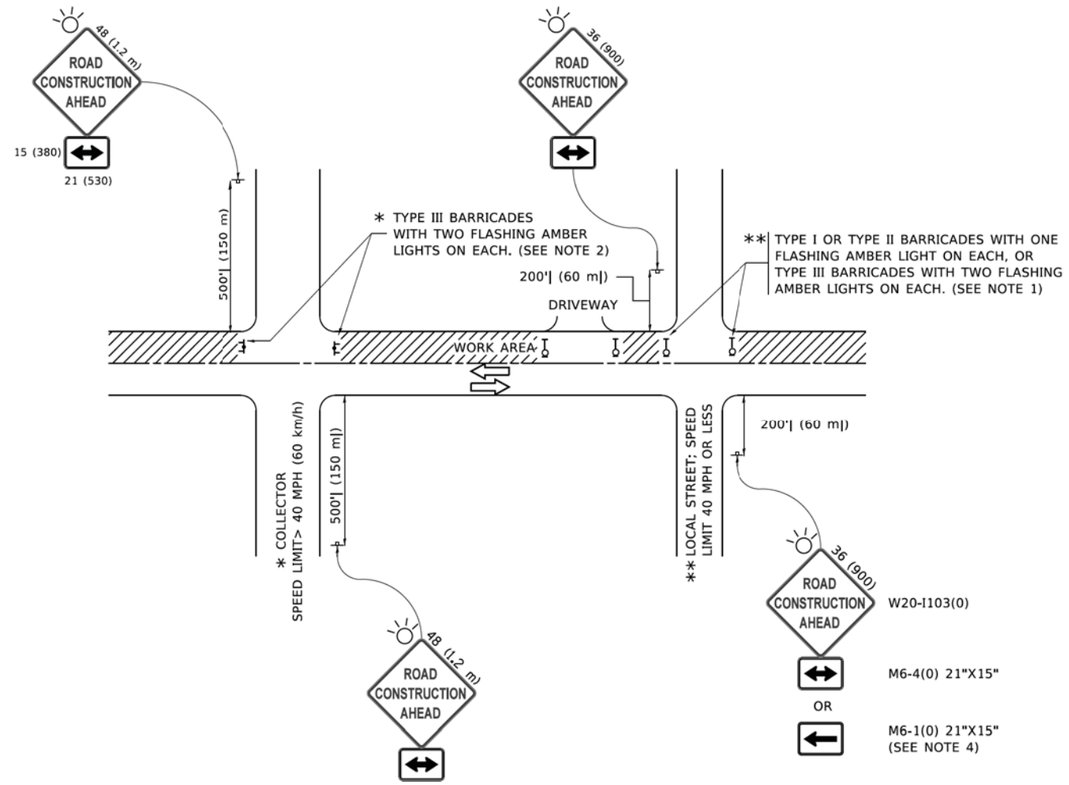
	DRAWN - KDC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRICKVALE DRIVE
CONSTRUCTION DETAILS

SCALE: N.T.S. | SHEET 9 OF 9 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	45
		CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			



NOTES:

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 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. 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.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	46
	TC-10	CONTRACT NO. 61H05		
	ILLINOIS FED. AID PROJECT			

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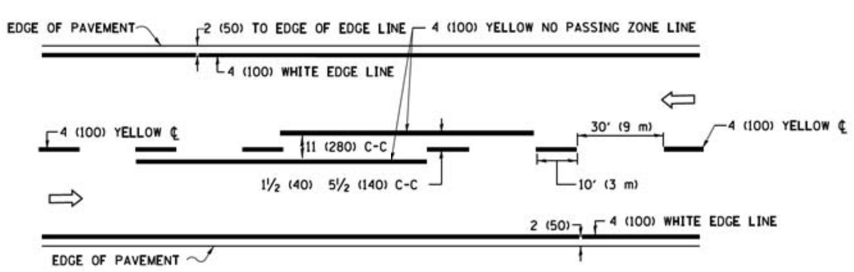
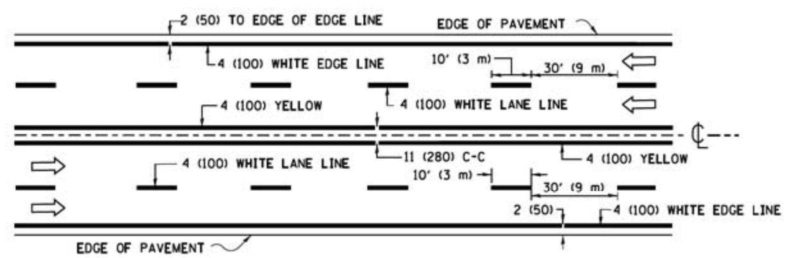
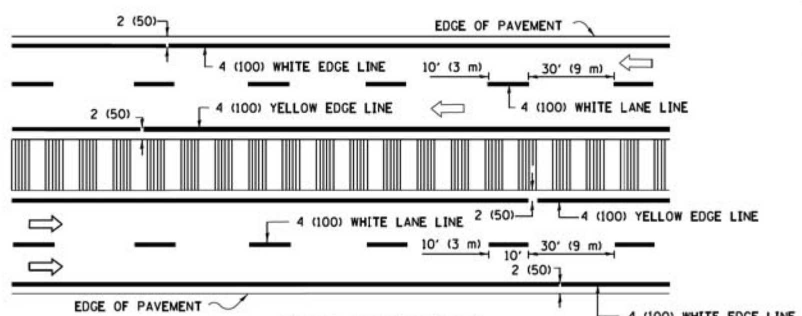


2–LANE ROADWAY

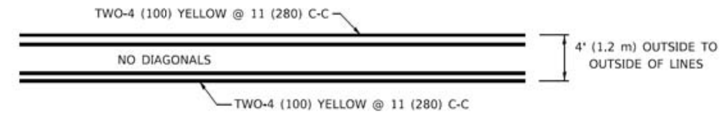


MULTI–LANE UNDIVIDED

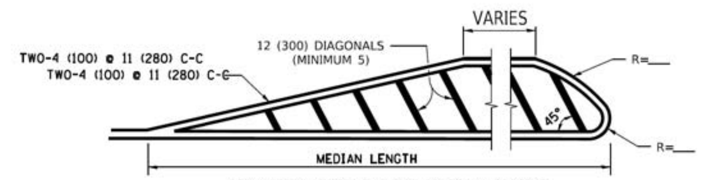


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



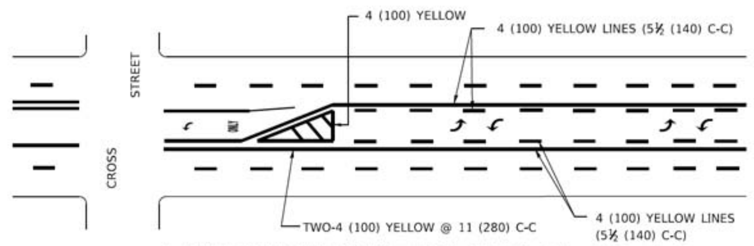
4' (1.2 m) WIDE MEDIANS ONLY



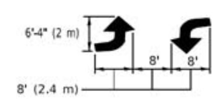
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

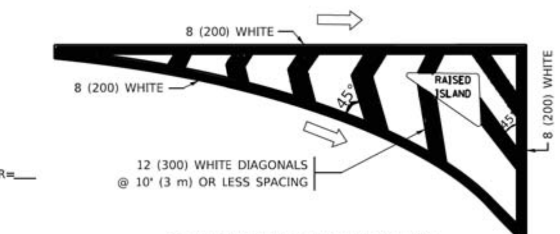


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

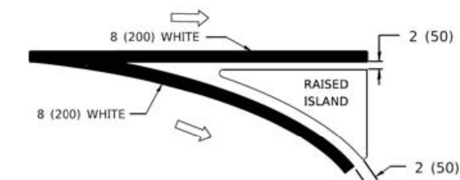


MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

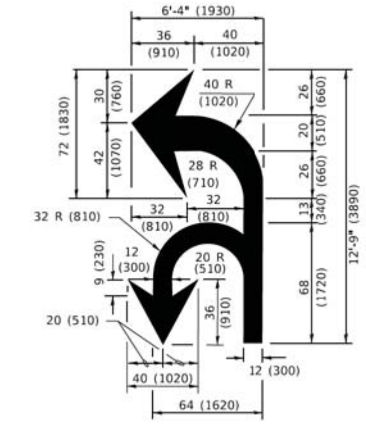


ISLAND OFFSET FROM PAVEMENT EDGE

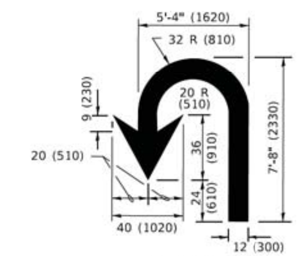


ISLAND AT PAVEMENT EDGE

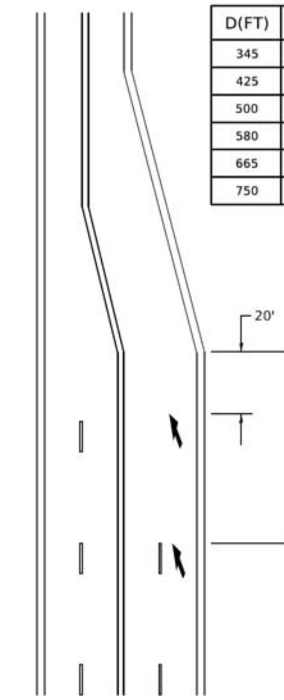
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



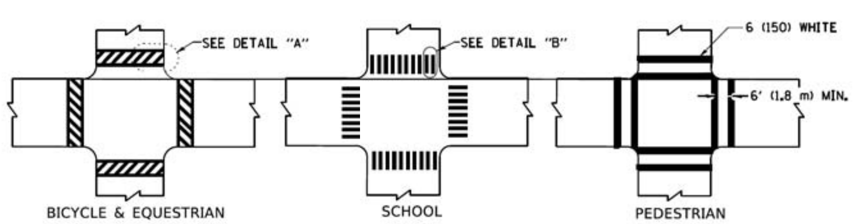
U–TURN

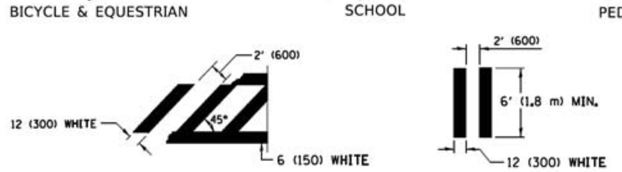


D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

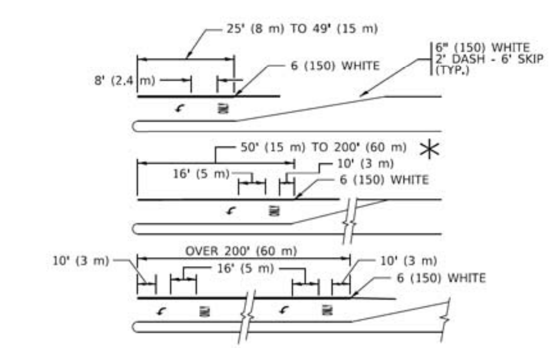




DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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

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 MEDIANS IN YELLOW
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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

MODEL: Default
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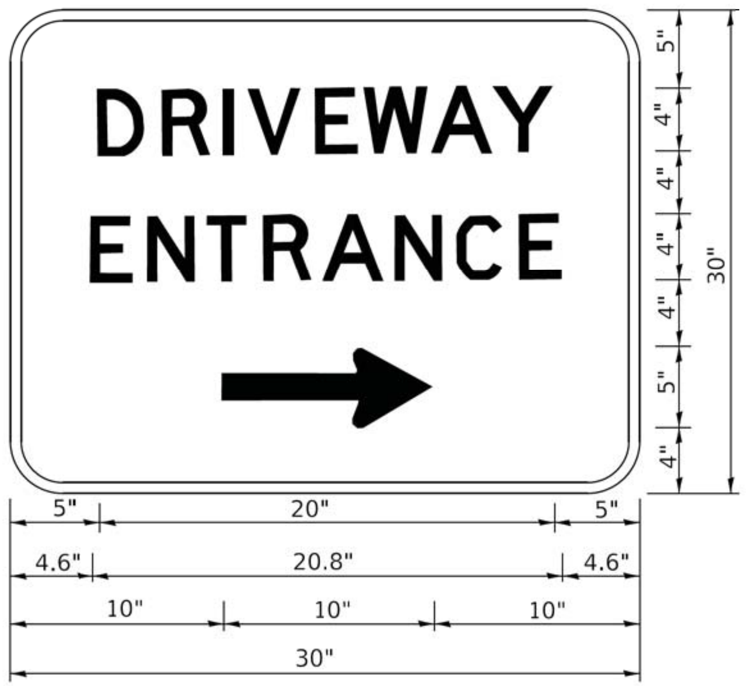
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	47
TC–13		CONTRACT NO. 61H05		
		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".

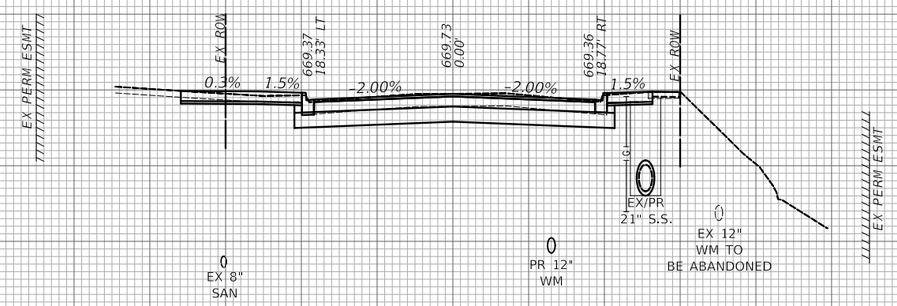
MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois...

USER NAME = footemj	DESIGNED -	REVISED - C. JUCIUS 02-15-07	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DRIVEWAY ENTRANCE SIGNING

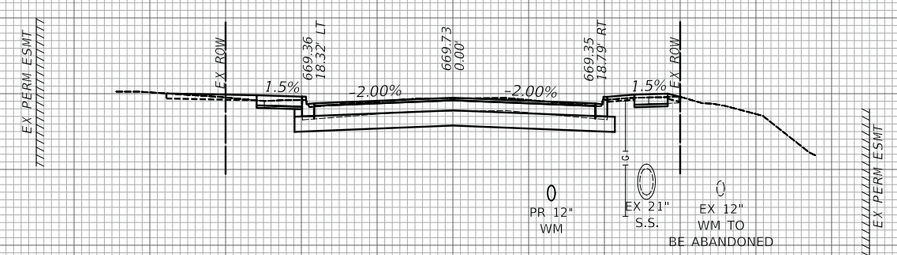
SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	48
	TC–26	CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		



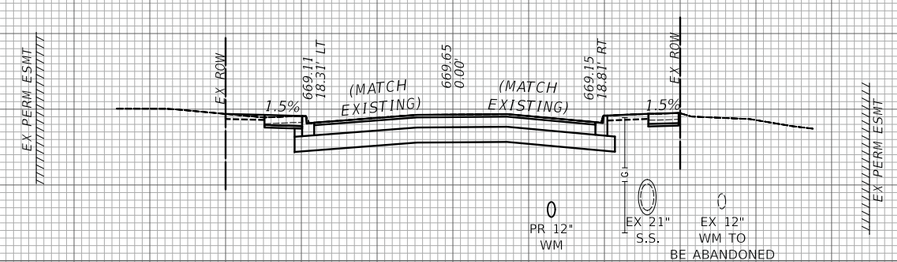
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	18.3	28.2	7.9
FILL AREA (SQ FT)	0.0	1.5	1.2

15+60.00



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	17.3	26.5	7.3
FILL AREA (SQ FT)	0.0	3.4	1.2

15+50.00



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	18.4	28.1	7.3
FILL AREA (SQ FT)	0.0	3.2	1.2

15+42.55
(AHEAD ONLY)

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – BRICKVALE DRIVE

SCALE: 1"=10'H/5'V | SHEET 1 OF 3 SHEETS | STA. 15+42.55 | TO STA. 15+60.00

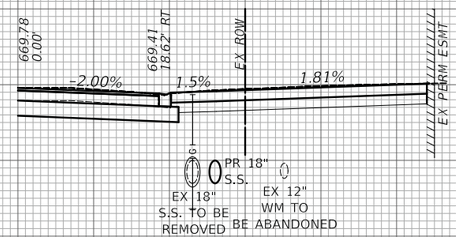
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	49
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

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

MODEL: SMODELNAMES
FILE NAME: ...\3455-ht<x>c-Brickvale

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

675
670
665
660

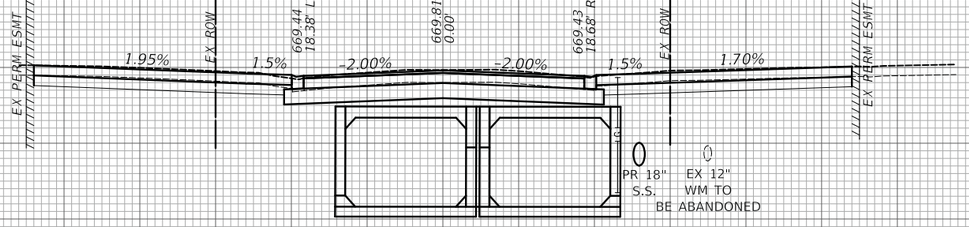


DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	11.7	75.5	8.3
FILL AREA (SQ FT)	0.0	0.2	0.7

16+20.00

PR 12"
WM

675
670
665
660



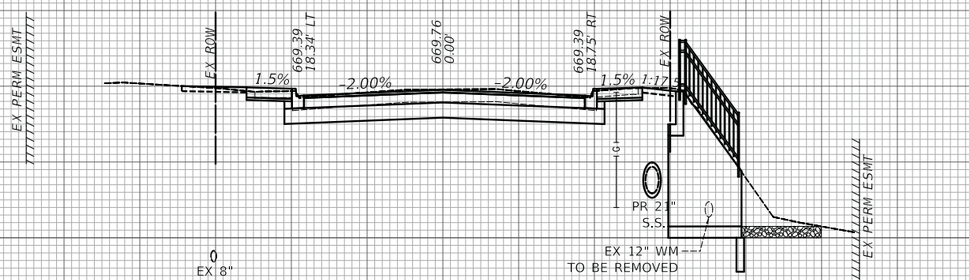
EX 8"
SAN

PR 12"
WM

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	12.5	53.5	26.9
FILL AREA (SQ FT)	0.0	0.2	0.2

16+00.00

675
670
665
660



EX 8"
SAN

PR 12"
WM

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	18.7	28.4	7.7
FILL AREA (SQ FT)	0.0	1.2	1.2

15+68.00

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

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – BRICKVALE DRIVE

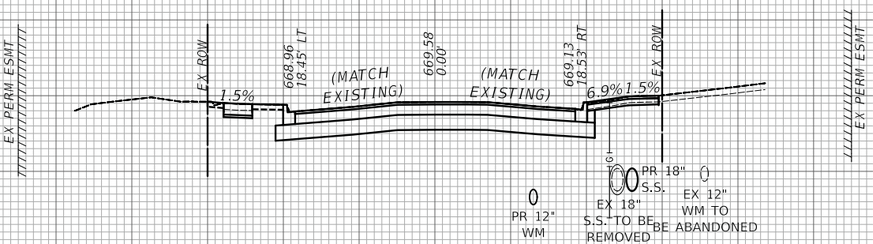
SCALE: 1"=10'H/5'V | SHEET 2 OF 3 SHEETS | STA. 15+68.00 TO STA. 16+20.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	50
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

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

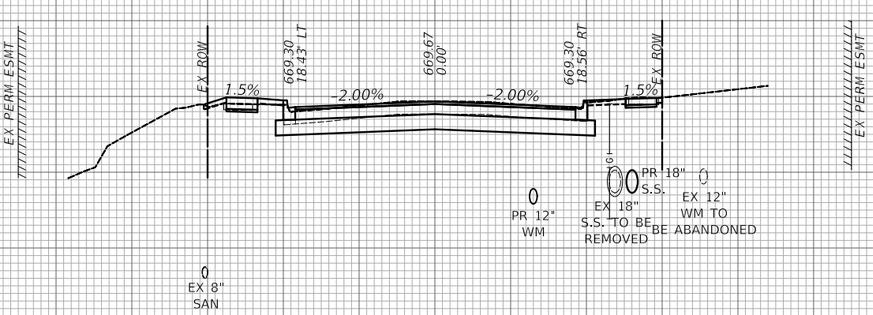
ORIGINAL SURVEY

MODEL: SMODELNAMES
FILE NAME: ...\3455>IH><c>Brickvale



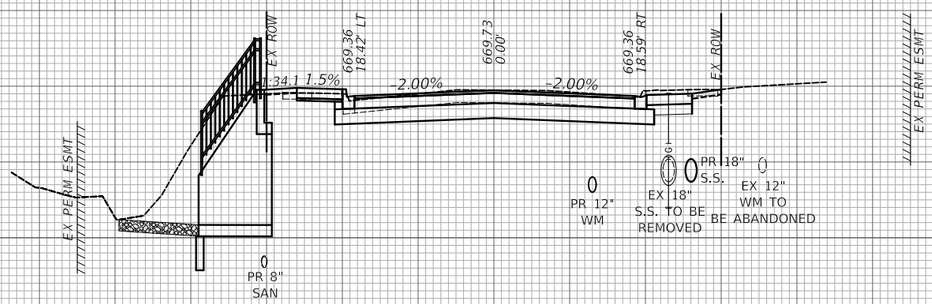
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	18.4	25.1	9.6
FILL AREA (SQ FT)	0.0	1.8	3.2

16+63.38
(BACK ONLY)



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	17.2	27.1	6.3
FILL AREA (SQ FT)	0.0	3.1	3.3

16+50.00



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	17.7	31.9	6.4
FILL AREA (SQ FT)	0.0	0.2	1.9

16+37.00

USER NAME = djk	DESIGNED - KDC	REVISED -	
	DRAWN - KDC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – BRICKVALE DRIVE

SCALE: 1"=10'H/5'V | SHEET 3 OF 3 SHEETS | STA. 16+37.00 TO STA. 16+63.38

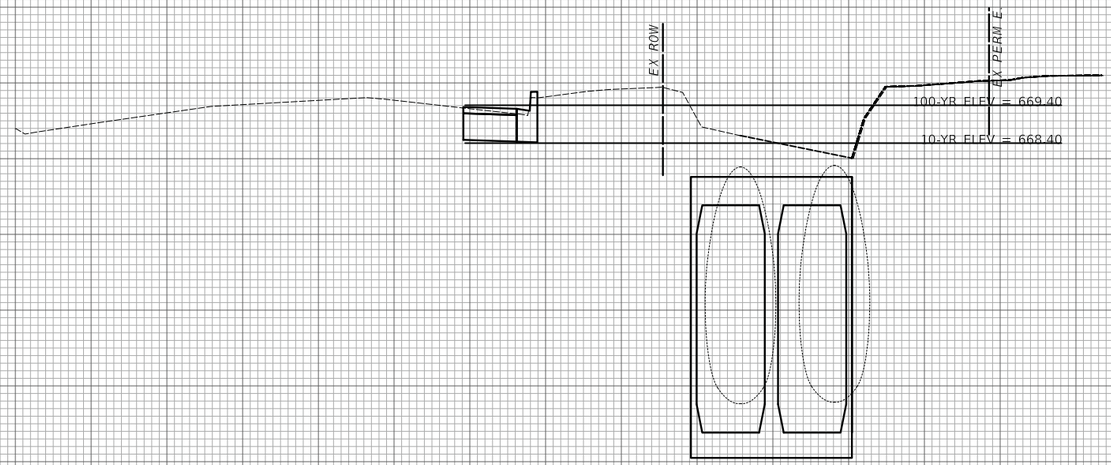
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	51
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

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

MODEL: SMODELNAME5
FILE NAME: ...\3455-sht-xsc-Brickvale

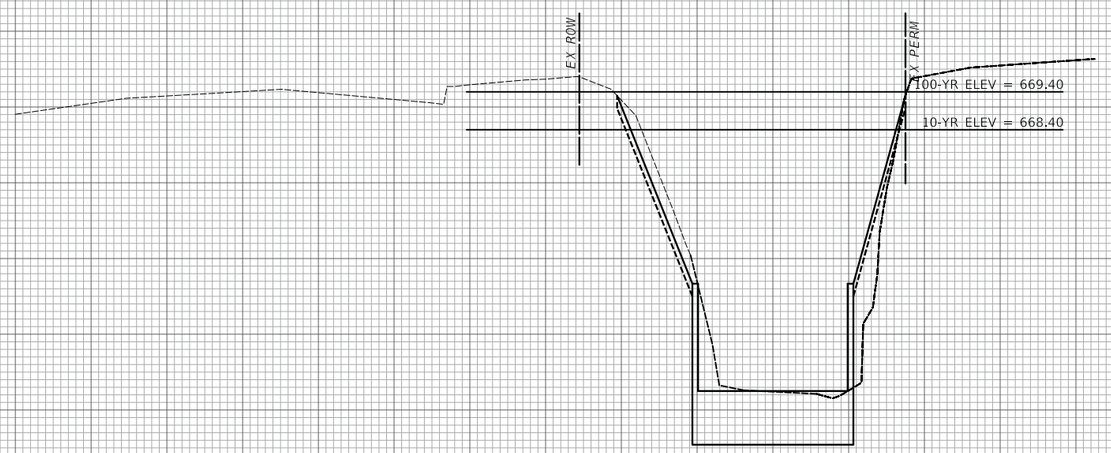
NOTE: CROSS SECTIONS ALONG THE BOX CULVERT ARE PROVIDED TO SHOW COMPENSATORY STORAGE REQUIRED AND PROVIDED.

	0 TO 10 YR	10 TO 100 YR
CUT (CU YD)	126.4	0.9
FILL (CU YD)	71.7	0.0
REQUIRED (1.5 X FILL) (CU YD)	107.5	0.0



	FILL (SF)	CUT (SF)
0-10 YEAR	26.7	40.0
10-100 YEAR	0.0	0.0

50 + 62.66



	FILL (SF)	CUT (SF)
0-10 YEAR	13.1	9.9
10-100 YEAR	0.1	0.9

50 + 54.66

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

MODEL: SMODELNAMES
FILE NAME: ...\3455-ht+xs-Culvert.dgn

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	DRAWN - KDC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

CROSS SECTIONS – WILLOW CREEK

SCALE: 1"=10'H/2'V | SHEET 1 OF 3 SHEETS | STA. 50+54.66 | TO STA. 50+62.66

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	52
		CONTRACT NO. 61H05		
		ILLINOIS	FED. AID PROJECT	

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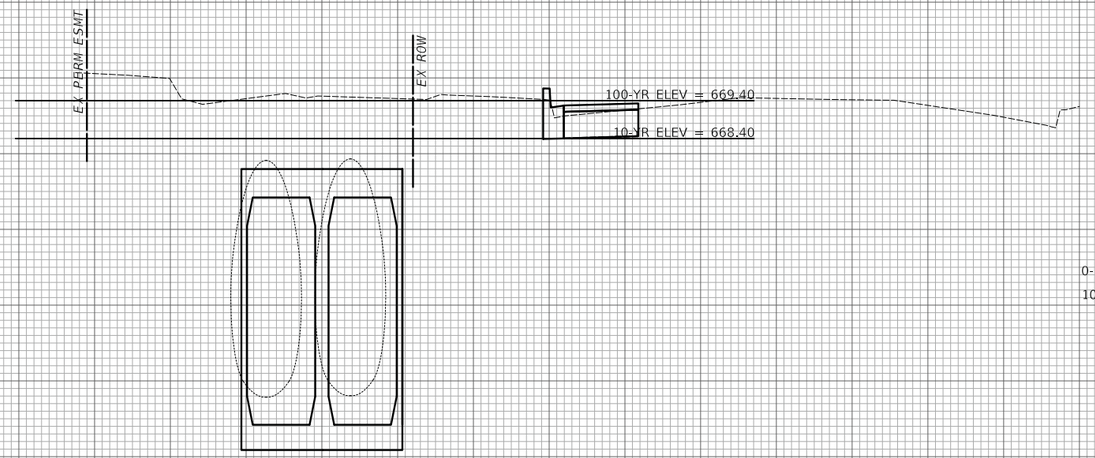
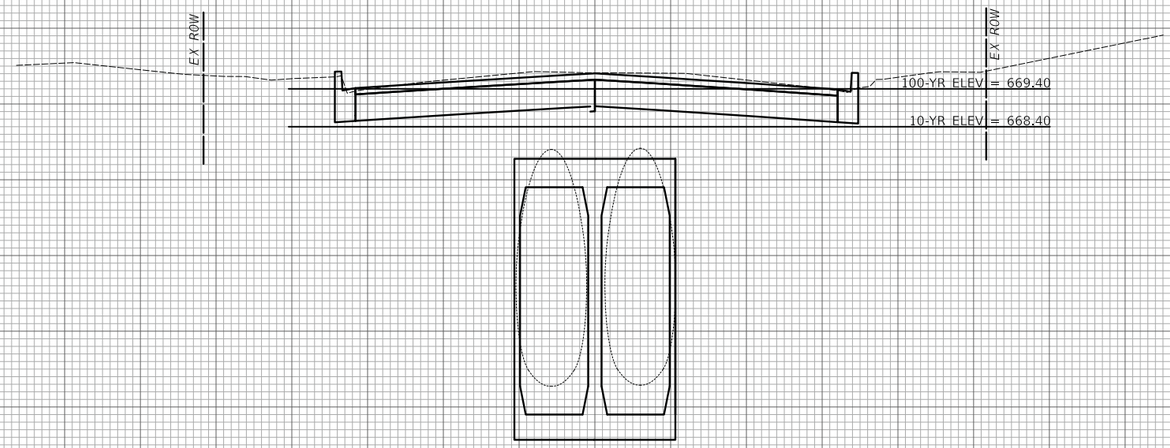
670

665



	FILL (SF)	CUT (SF)
0-10 YEAR	23.0	36.4
10-100 YEAR	0.0	0.0

51 + 55.16



	FILL (SF)	CUT (SF)
0-10 YEAR	11.4	24.8
10-100 YEAR	0.0	0.0

51 + 09.73

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

MODEL: SMODELNAMES
FILE NAME: ...\3455-3ht-xsc-Culvert.dgn

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	DRAWN - KDC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -	
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – WILLOW CREEK

SCALE: 1"=10'H/2'V | SHEET 2 OF 3 SHEETS | STA. 51+09.73 | TO STA. 51+55.16

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	53
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		

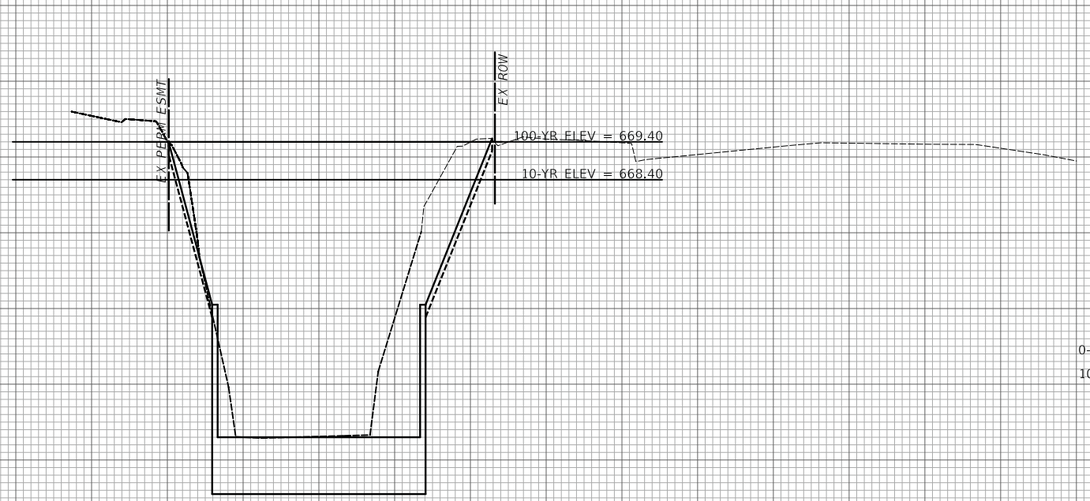
FINAL SURVEY	NOTE BOOK	NO.

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

ORIGINAL SURVEY	NOTE BOOK	NO.

DATE	BY	
		SURVEYED
		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



	FILL (SF)	CUT (SF)
0-10 YEAR	0.7	37.7
10-100 YEAR	0.0	5.2

51+63.16

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

MODEL: SMODELNAMES
FILE NAME: ...\3455-ht+xs<Culvert.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 3/29/2021	DATE - 2/22/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – WILLOW CREEK

SCALE: 1"=10'H/2'V | SHEET 3 OF 3 SHEETS | STA. 51+63.16 | TO STA. 51+63.16

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	15-00061-00-BR	DUPAGE	54	54
		CONTRACT NO. 61H05		
	ILLINOIS	FED. AID PROJECT		