

FOR INDEX OF SHEETS, SEE SHEET NO. 2
LIST OF STATE STANDARDS LOCATED ON
SHEET NO. 2

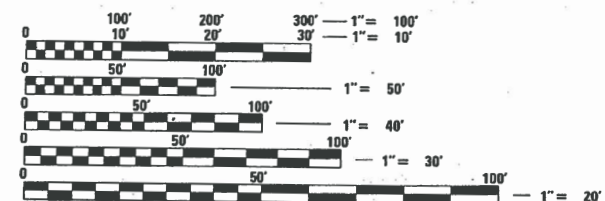
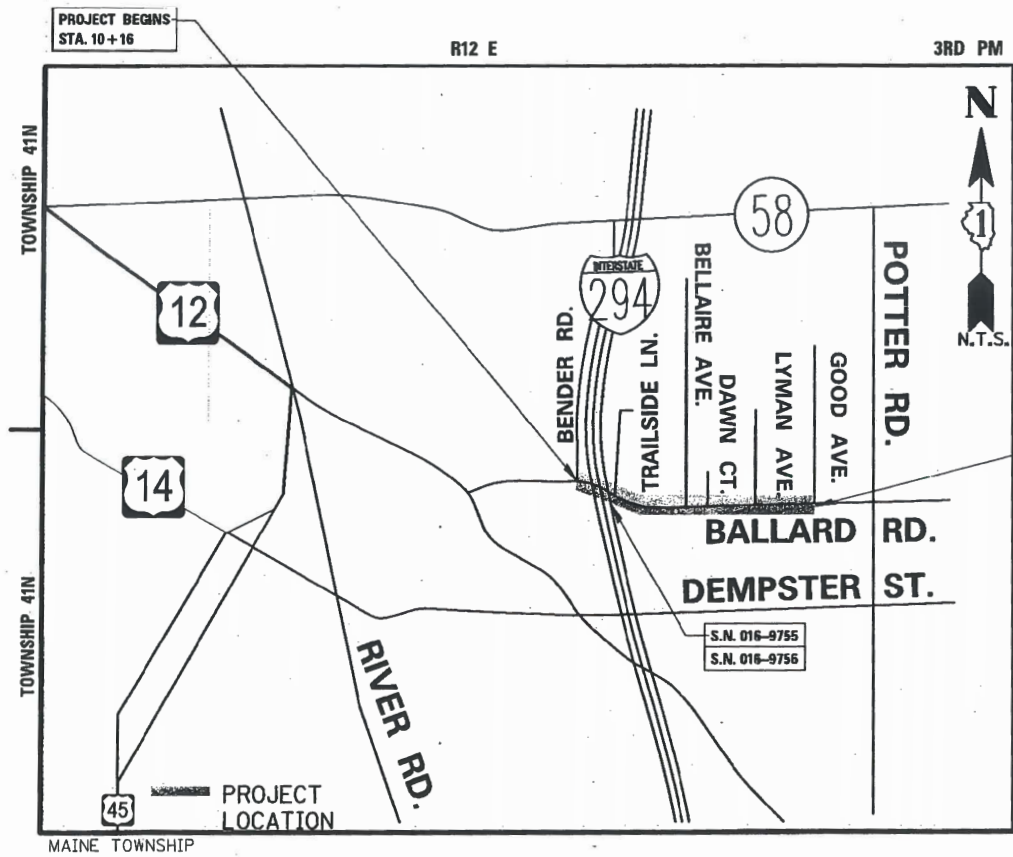
04-27-2018 LETTING ITEM 161

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

F.A.U. ROUTE 1319 (BALLARD ROAD)
BENDER ROAD TO GOOD AVENUE
SIDEWALKSIDE PATH
SECTION NO. 12-00218-00-BT
PROJECT No. 0-27Y(978)
CITY OF DES PLAINES
COOK COUNTY
C-91-324-12

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 61B91		

STREET	FUNCTIONAL CLASSIFICATION	AVERAGE DAILY TRAFFIC VPD (2014)	POSTED SPEED LIMIT (MPH)	DESIGN SPEED LIMIT
BALLARD ROAD	MAJOR COLLECTOR	8150	40	40



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

LOCATION MAP

GROSS LENGTH = 2,415 FT. = 0.46 MILE
NET LENGTH = 2,306 FT. = 0.44 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED January 8th 2018
[Signature]
CITY ENGINEER, CITY OF DES PLAINES

PASSED FEBRUARY 2 2018
[Signature]
DISTRICT/ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 2 2018
[Signature]
REGIONAL ENGINEER

[Signature] P-15-10
DATE
JAMES C. KAPUSTIAK, P.E.
ILLINOIS REGISTRATION NO. 062-054942
EXPIRATION DATE: 11/30/2019
PROFESSIONAL DESIGN FIRM NO.: 184-001157
EXPIRATION DATE: 04/30/2019
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLER, P.E. (847)-705-4406 SCHAUMBURG, IL

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

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HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-02	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET TYPE A
604001-04	FRAME AND LIDS TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'-24" FROM EDGE OF PAVEMENT
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
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
701901-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 14-12	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)

DISTRICT 1 STANDARD DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR WILL NOT BE ABLE TO SET UP A STORAGE AREA OR FIELD OFFICE ON PUBLIC RIGHT OF WAY WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT THE NORTH COOK COUNTY AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- DEPRESSED CURB: RAMPS OR DEPRESSED CURBS ACCESSIBLE TO THE HANDICAPPED SHALL BE PROVIDED AT ALL CROSSWALKS AND BICYCLE PATHS. NON-ADA DEPRESSED CURB SHALL BE PROVIDED AT ALL ALLEYS OR DRIVEWAYS, WHICH DO NOT CONTAIN TRAFFIC CONTROL SIGNS.
- PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF TRAFFIC BARRIER TERMINAL TYPE 1B.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS/HER OPERATIONS. ANY TREE DAMAGE OR DISTURBANCE BEYOND THE TREE REMOVAL DESIGNATION AS SHOWN ON PLAN SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
- ALL BRUSH CLEARING AND RIGHT OF WAY RESTORATION TO PRE-CONSTRUCTION CONDITIONS SHALL BE COMPLETED BY THE CONTRACTOR.
- GRASS AREAS DISTURBED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SODDED.
- ANY DAMAGE TO DRIVEWAYS AND ENTRANCES CAUSED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR.

FILE NAME =	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
884833280.dgn		DRAWN -	REVISED -			1319	12-00218-00-BT	COOK	35	2	
	PLOT SCALE = 1/16"=1'-0"	CHECKED -	REVISED -			CONTRACT NO. 61B91					
Default	PLOT DATE = 2/6/2018	DATE -	REVISED -			SCALE:	SHEET NO. 2 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

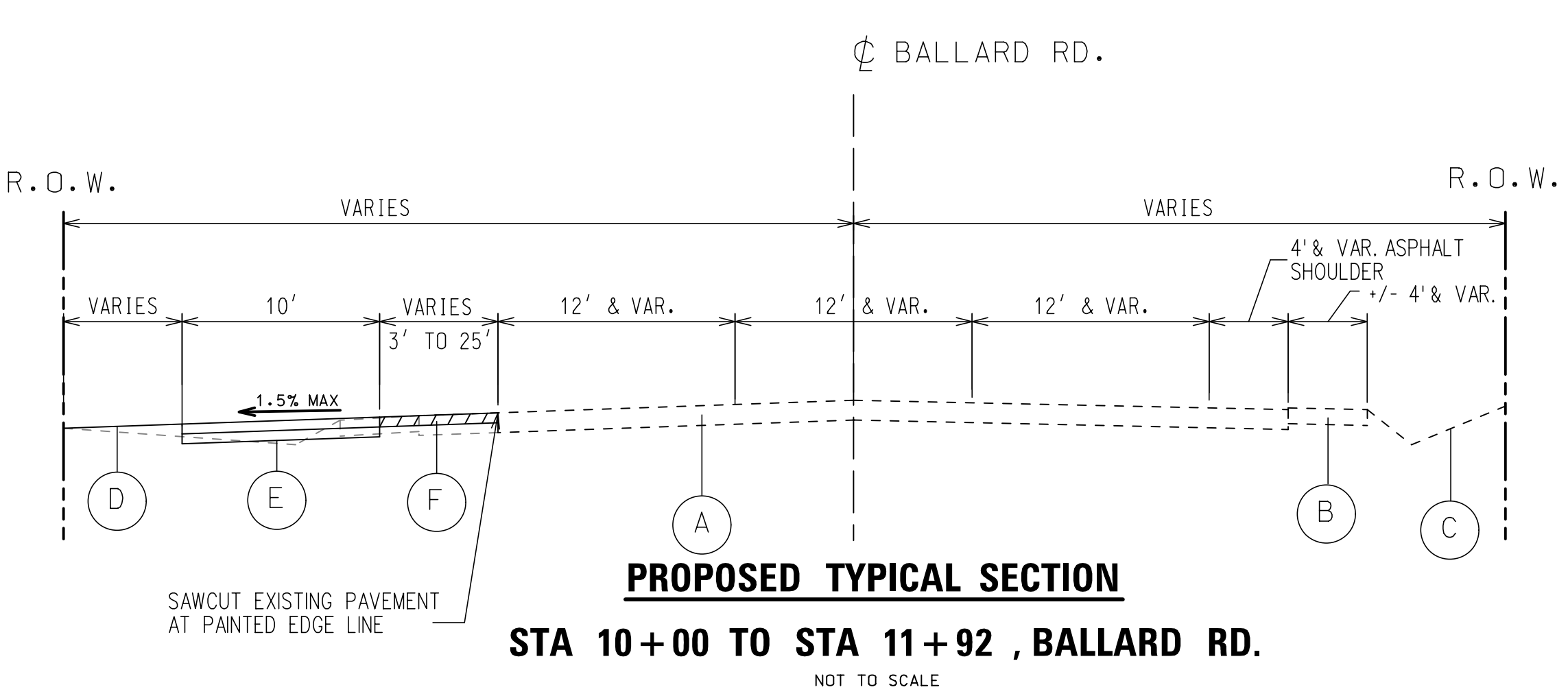
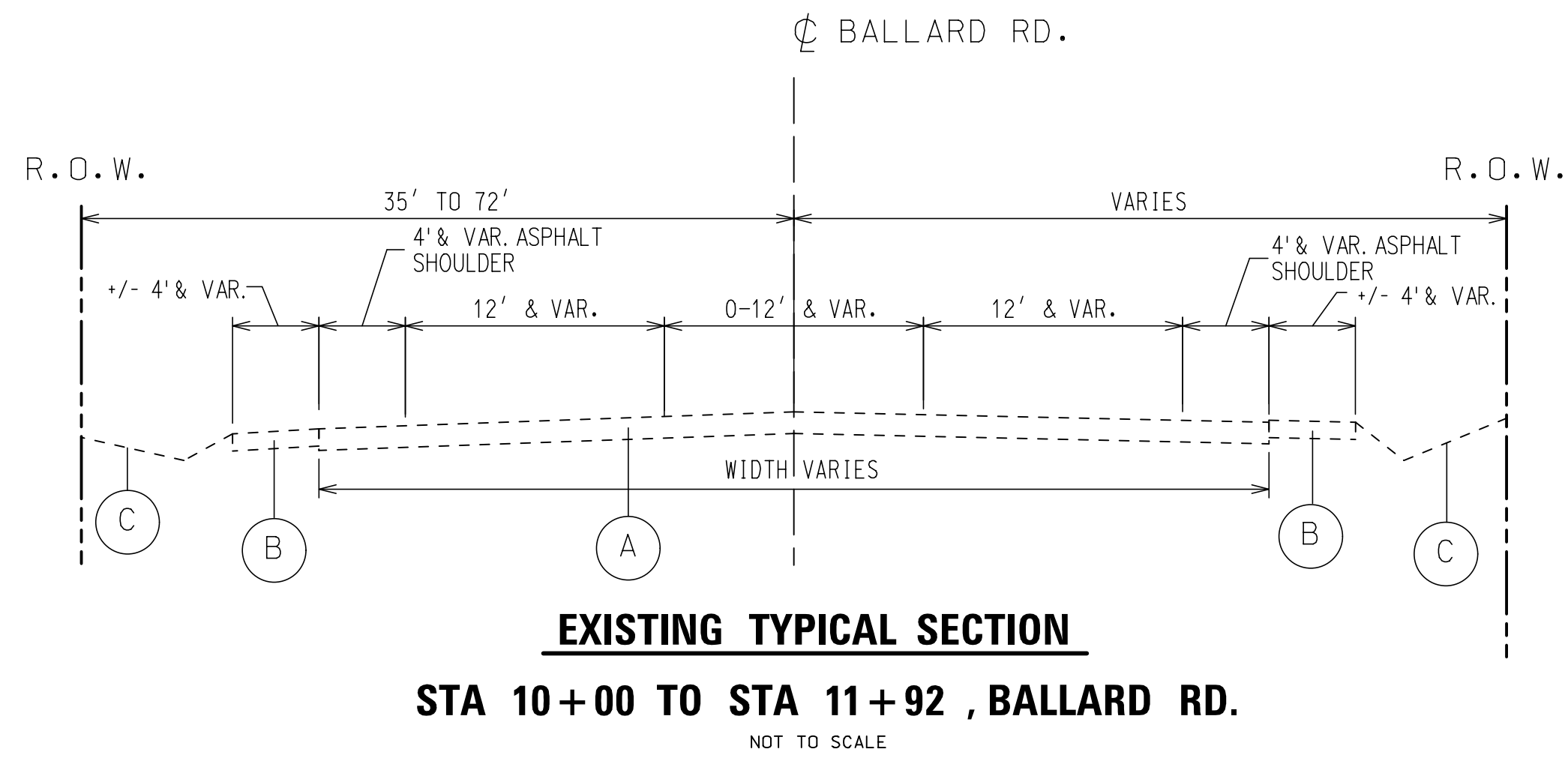
SUMMARY OF QUANTITIES FOR BALLARD ROAD IMPROVEMENTS

SI	SP	PAY ITEM CODE NO.	ITEM	UNIT	TOTAL QUANTITY
x		20100500	TREE REMOVAL, ACRES	ACRE	0.42
x		20101100	TREE TRUNK PROTECTION	EACH	1
		20200100	EARTH EXCAVATION	CU YD	550
		20800150	TRENCH BACKFILL	CU YD	25
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,470
x		25000210	SEEDING, CLASS 2A	ACRE	0.50
x		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27
x		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	27
x		25100630	EROSION CONTROL BLANKET	SQ YD	1,470
		28000305	TEMPORARY DITCH CHECKS	FOOT	150
		28000400	PERIMETER EROSION BARRIER	FOOT	800
		28000510	INLET FILTERS	EACH	17
		28100105	STONE RIP RAP CLASS A3	SQ YD	35
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,020
		35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1,200
		35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	20
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,880
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	35
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6"	SQ FT	18,015
		42400800	DETECTABLE WARNINGS	SQ FT	200
		44000100	PAVEMENT REMOVAL	SQ YD	2,100
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	230
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	88
		44000600	SIDEWALK REMOVAL	SQ FT	80
		44213200	SAW CUTS	FOOT	1,100
		50900805	PEDESTRIAN RAILING	FOOT	115
		52200700	PRECAST MODULAR BLOCK RETAINING WALL	SQ FT	145
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2

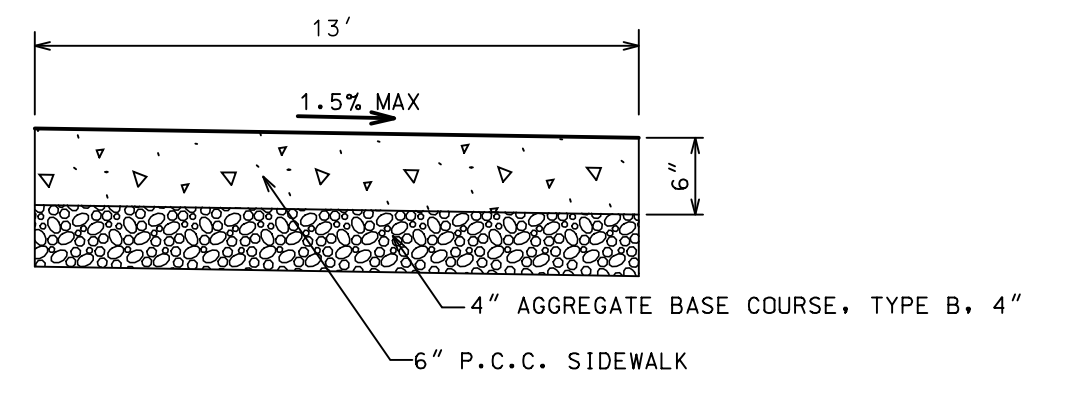
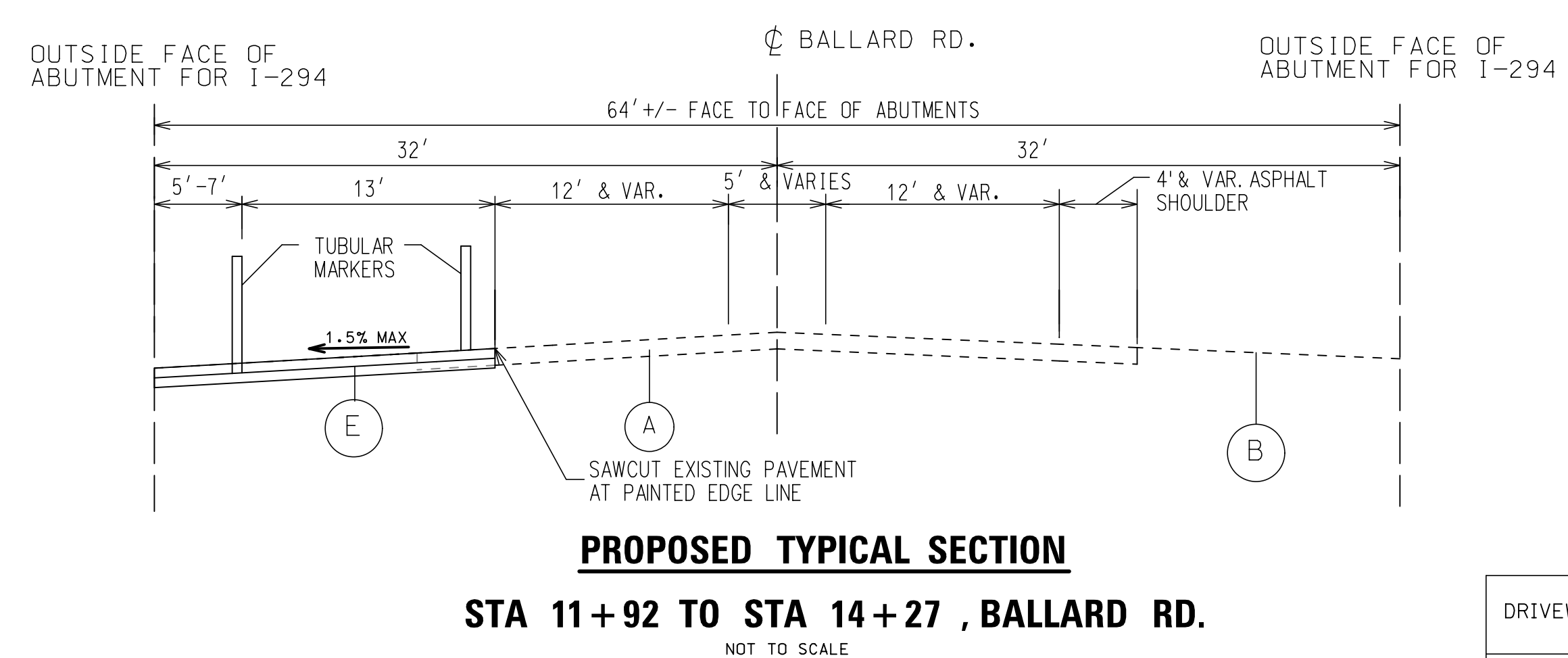
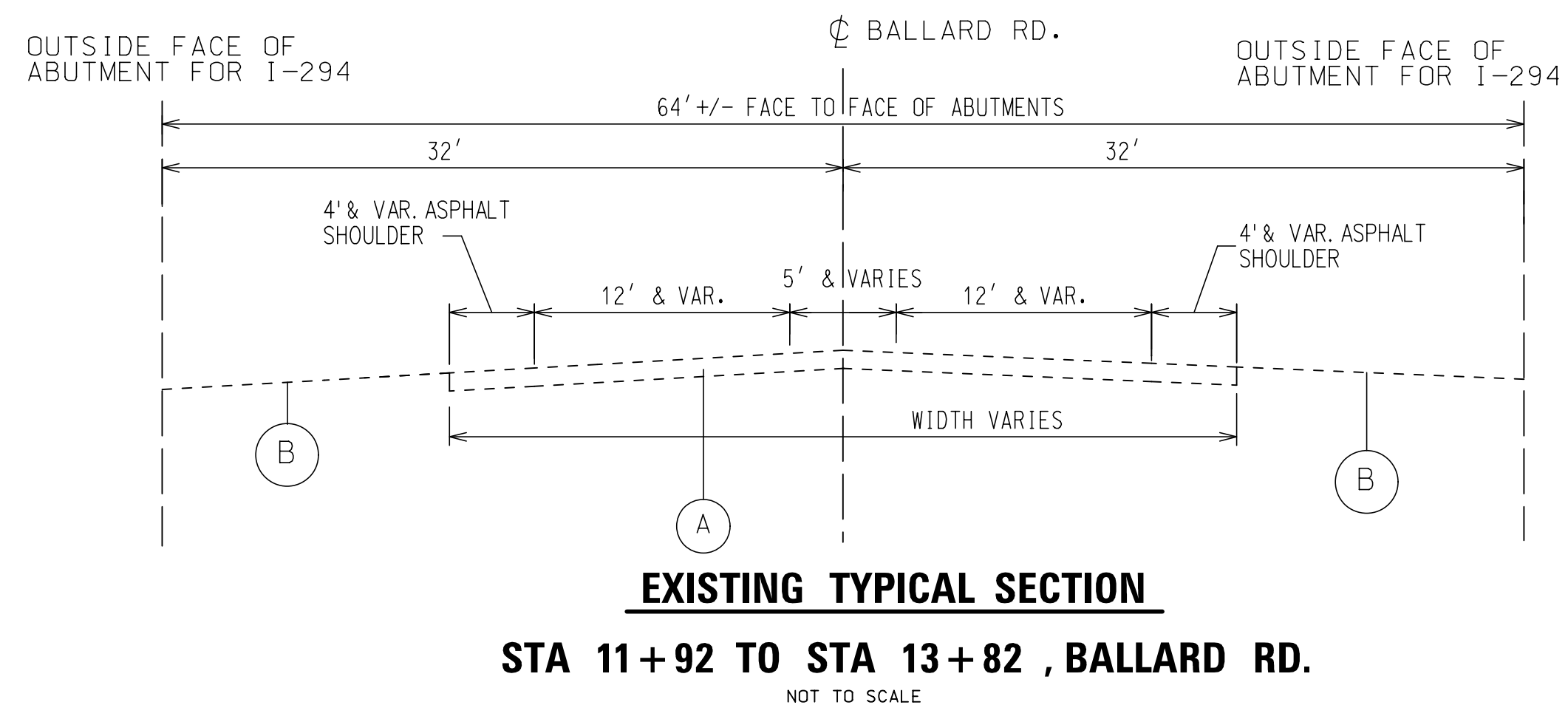
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		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	58
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	38
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	31
X		56400100	FIRE HYDRANTS TO BE MOVED	EACH	1
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1
		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	640
X		63200310	GUARDRAIL REMOVAL	FOOT	140
X		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	325
X		66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
X		66900530	SOIL DISPOSAL ANALYSIS	EACH	4
		67100100	MOBILIZATION	L SUM	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
		70103815	TRAFFIC CONTROL SURVEILLANCE	CA DA	30
X		72000100	SIGN PANEL - TYPE 1	SQ FT	20
X		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3
X		72900100	METAL POST - TYPE A	FOOT	30
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,800
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	137
X		78006130	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	215
X*		89502376	REBUILD EXISTING HANDHOLE	EACH	1
x		B2001616	TREE, CRATAEGUS CRUGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4
x		B2004016	TREE, MALUS PINK SPIRES (PINK SPIRES CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4
x		B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, BALLED AND BURLAPPED	EACH	4
*		X0327980	PAVEMENT MARKING REMOVAL- WATER BLASTING	SQ FT	200
*		X4240470	PORTLAND CEMENT CONCRETE SIDEWALK 10", SPECIAL	SQ FT	170
*		X6640300	CHAIN LINK FENCE REMOVAL	FOOT	20
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1
		Z0024475	TUBULAR MARKER	EACH	10
*		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	120

*SP SPECIAL PROVISION
x SI SPECIALTY ITEM

FILE NAME = 68418300.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SUMMARY OF QUANTITIES	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 3
PLOT SCALE = 1:1,000	CHECKED -	REVISED -	SCALE:			SHEET NO. 3 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61B91
PLOT DATE = 2/6/2018	DATE -	REVISED -								



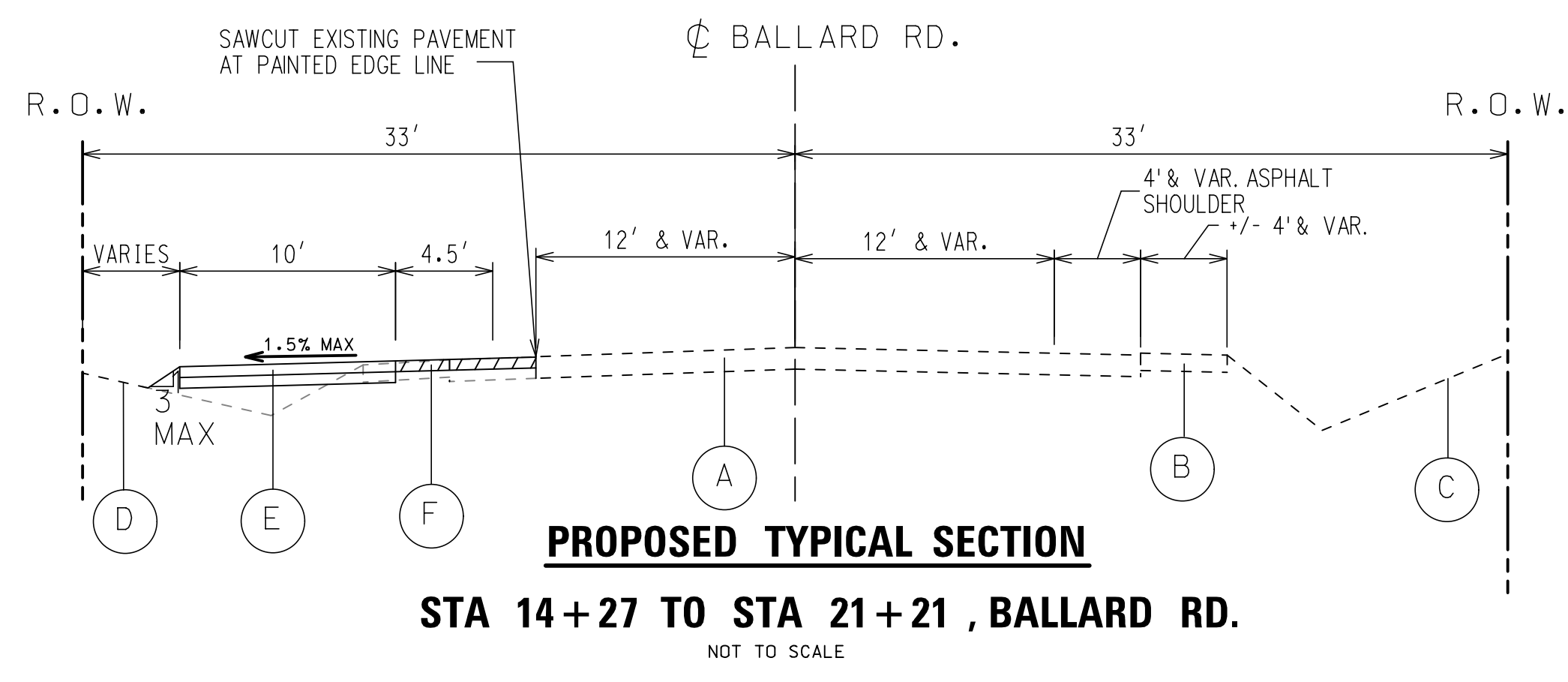
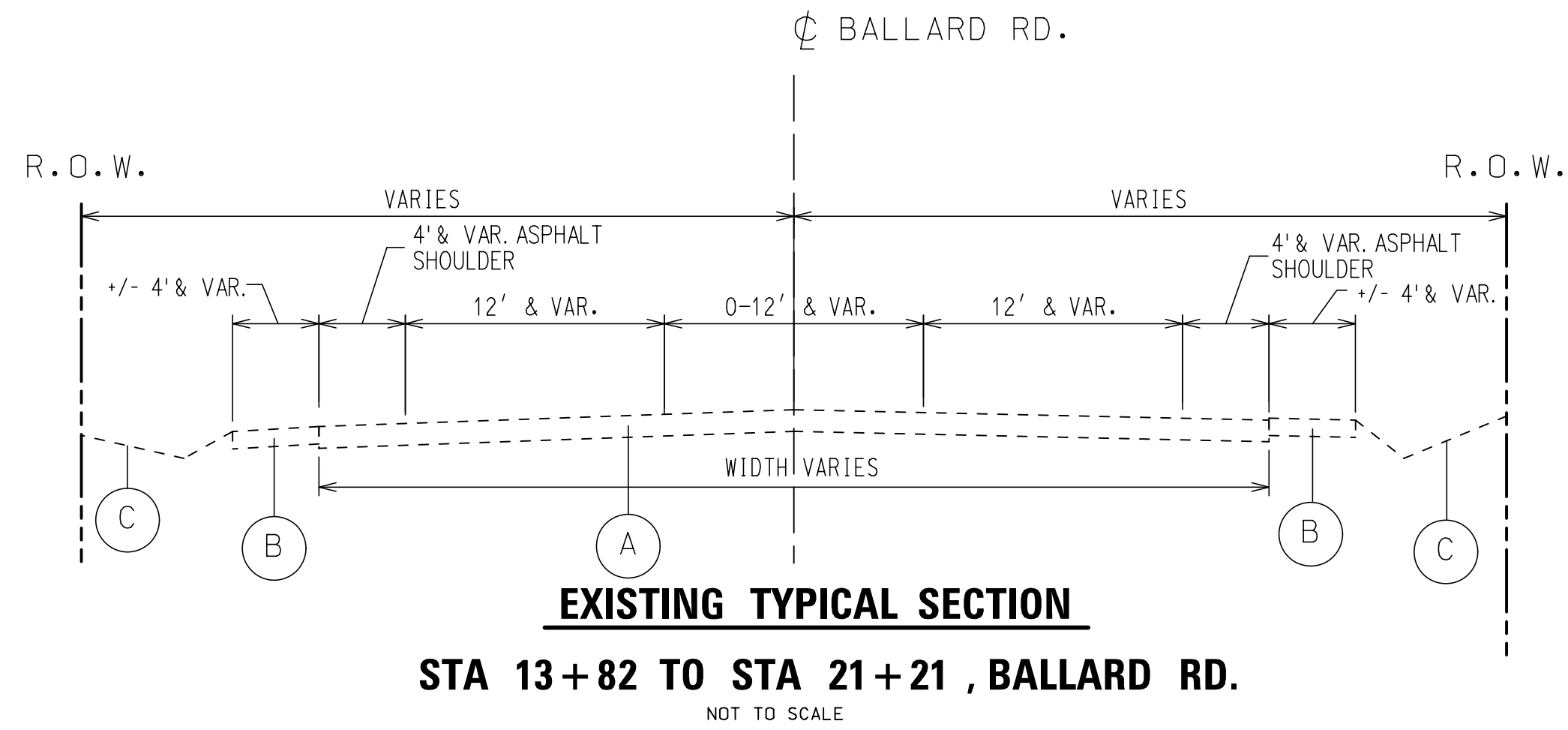
- LEGEND**
- (A) EXISTING HOT-MIX ASPHALT ROADWAY
 - (B) EXISTING GRAVEL SHOULDER
 - (C) EXISTING VEGETATED PARKWAY
 - (D) RE-GRADED VEGETATED PARKWAY
 - (E) PROPOSED PORTLAND CEMENT CONCRETE SIDE PATH, 6 INCH & 4 INCH STONE BASE
 - (F) PROPOSED GRASS SEPARATION AREA



HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR Voids @ N _w	LIFT THICKNESS
DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE MIX "D" NSO ILL 9.5MM	4% @ 50 GYR	2"
HMA BASE COURSE (HMA BINDER IL-19MM), PE -6"	4% @ 50 GYR	6"
DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE MIX "D" NSO ILL 9.5MM	4% @ 50 GYR	2" (MAX)
HMA BASE COURSE (HMA BINDER IL-19MM), CE -8"	4% @ 50 GYR	8"

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ. YD/IN. THE "AC TYPE SHALL "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISION. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



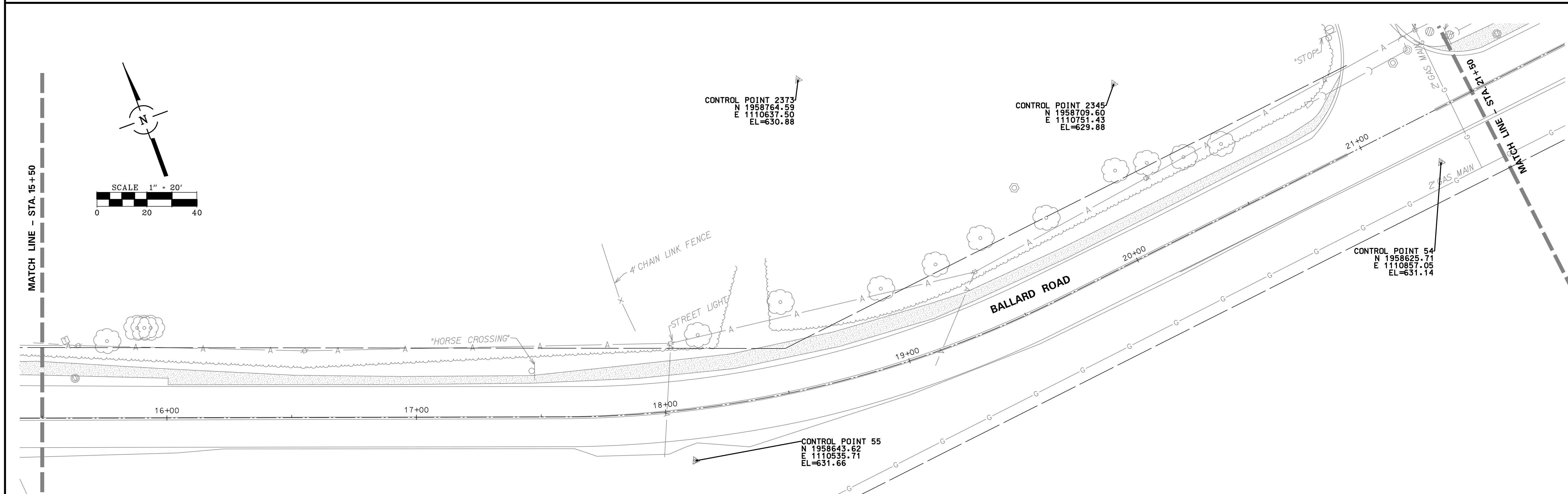
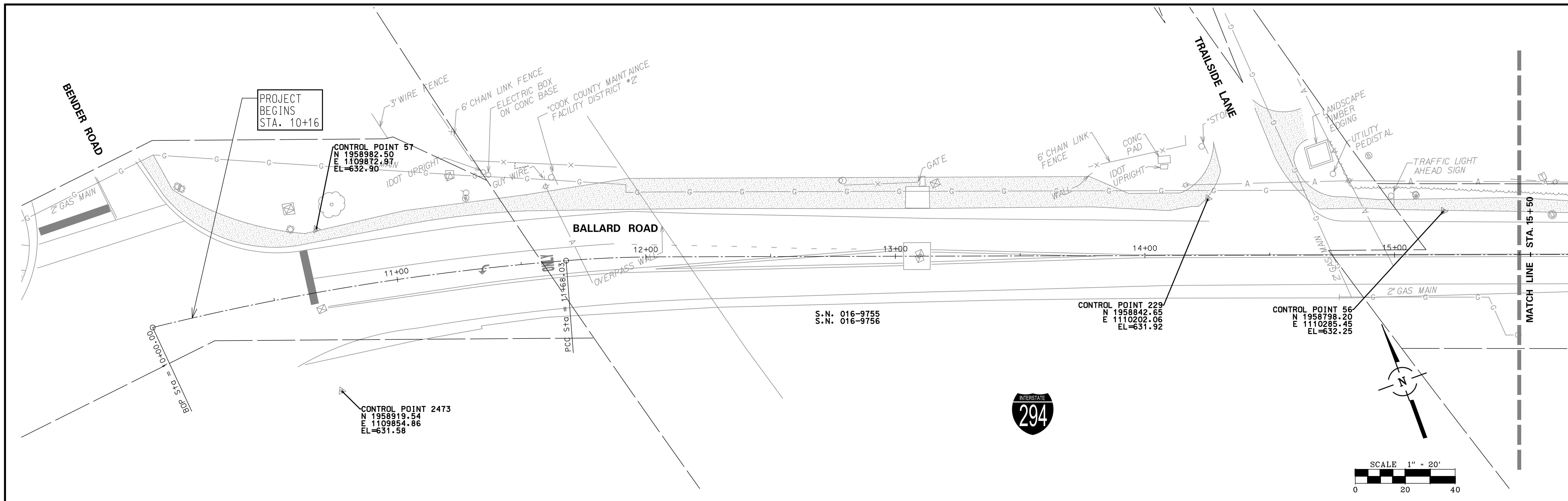
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		DATE -	REVISED -
	PLOT DATE = 2/6/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

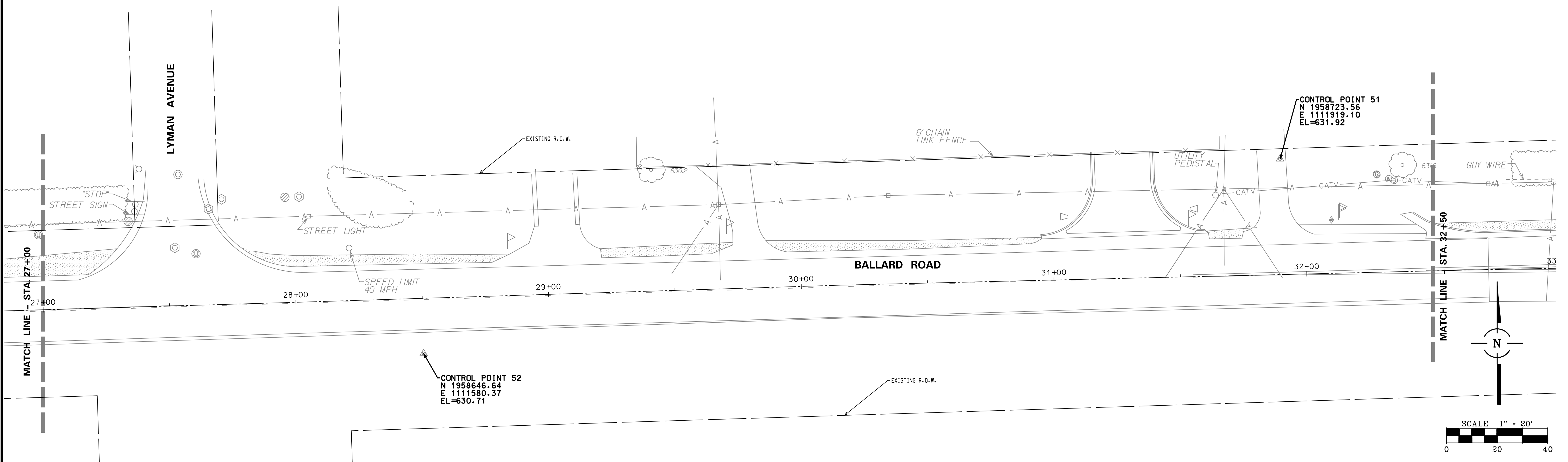
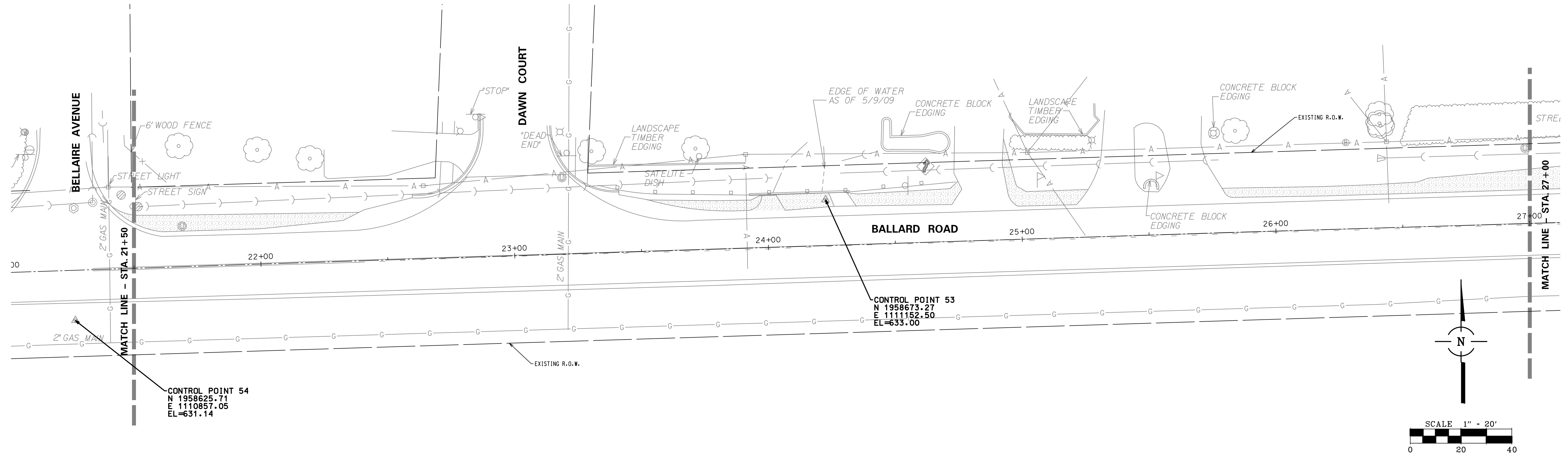
**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
TYPICAL SECTIONS - 1**

SCALE: SHEET NO. 4 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 4
				CONTRACT NO. 61B91
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

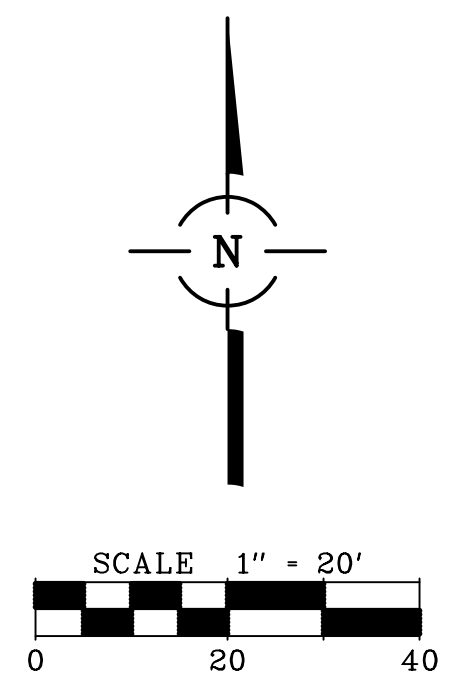
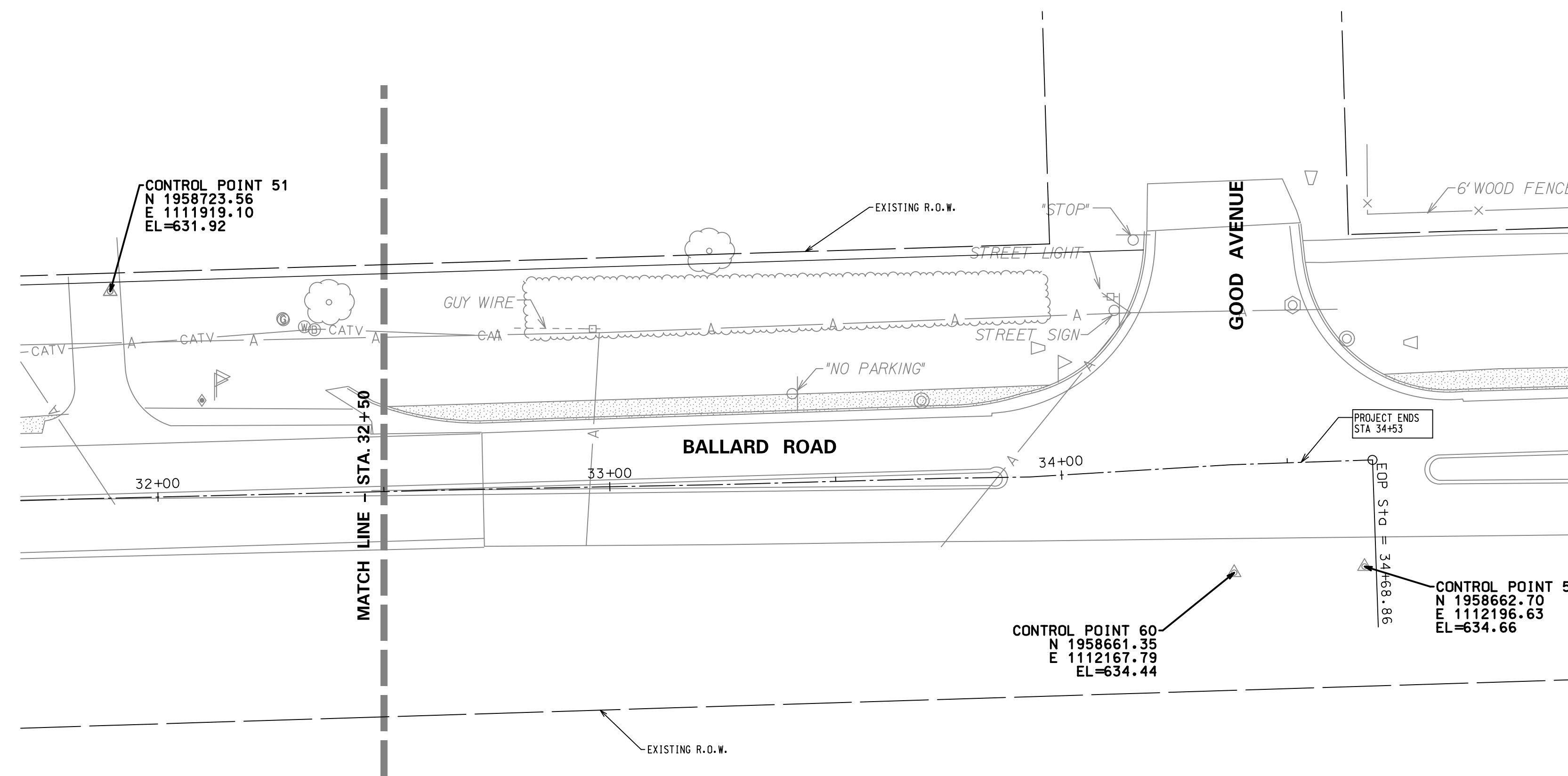


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Default	PLOT SCALE = 1:20	DRAWN -	REVISED -			SCALE: 1"= 20' SHEET NO. 6 OF 32 SHEETS STA. 10+00 TO STA. 34+69		CONTRACT NO. 61B91		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/6/2018	CHECKED -	REVISED -								
		DATE -	REVISED -								

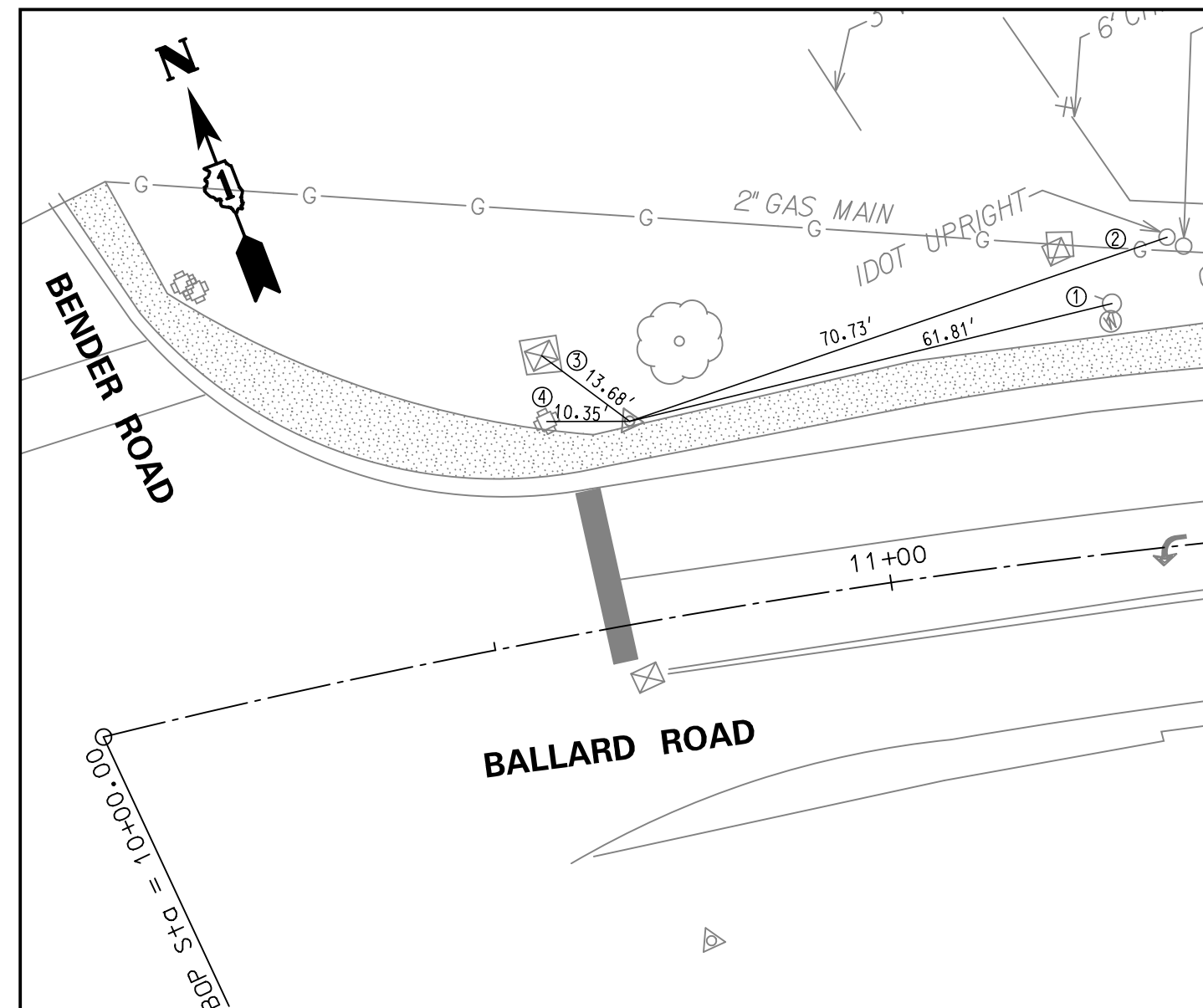


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Default	PLOT SCALE = 1:20	DRAWN -	REVISED -			1319	12-00218-00-BT	COOK	35	7
	PLOT DATE = 2/6/2018	CHECKED -	REVISED -			CONTRACT NO. 61B91				
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 7 OF 32 SHEETS STA. 10+00 TO STA. 34+69

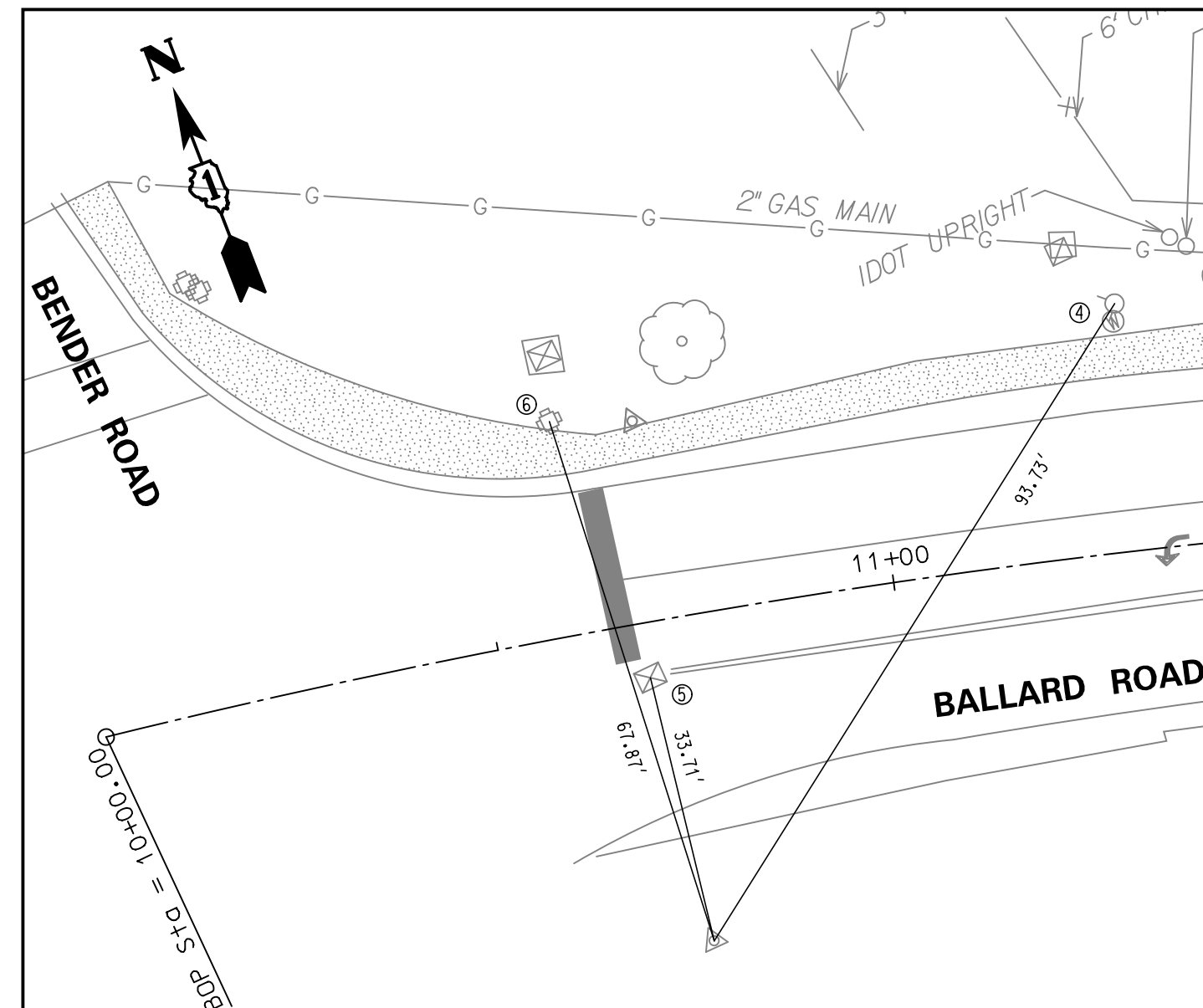


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PLOT DATE = 2/6/2018	DATE -	CHECKED -	REVISED -			CONTRACT NO. 61B91					
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 20'		SHEET NO. 8 OF 32 SHEETS		STA. 10+00 TO STA. 34+69			



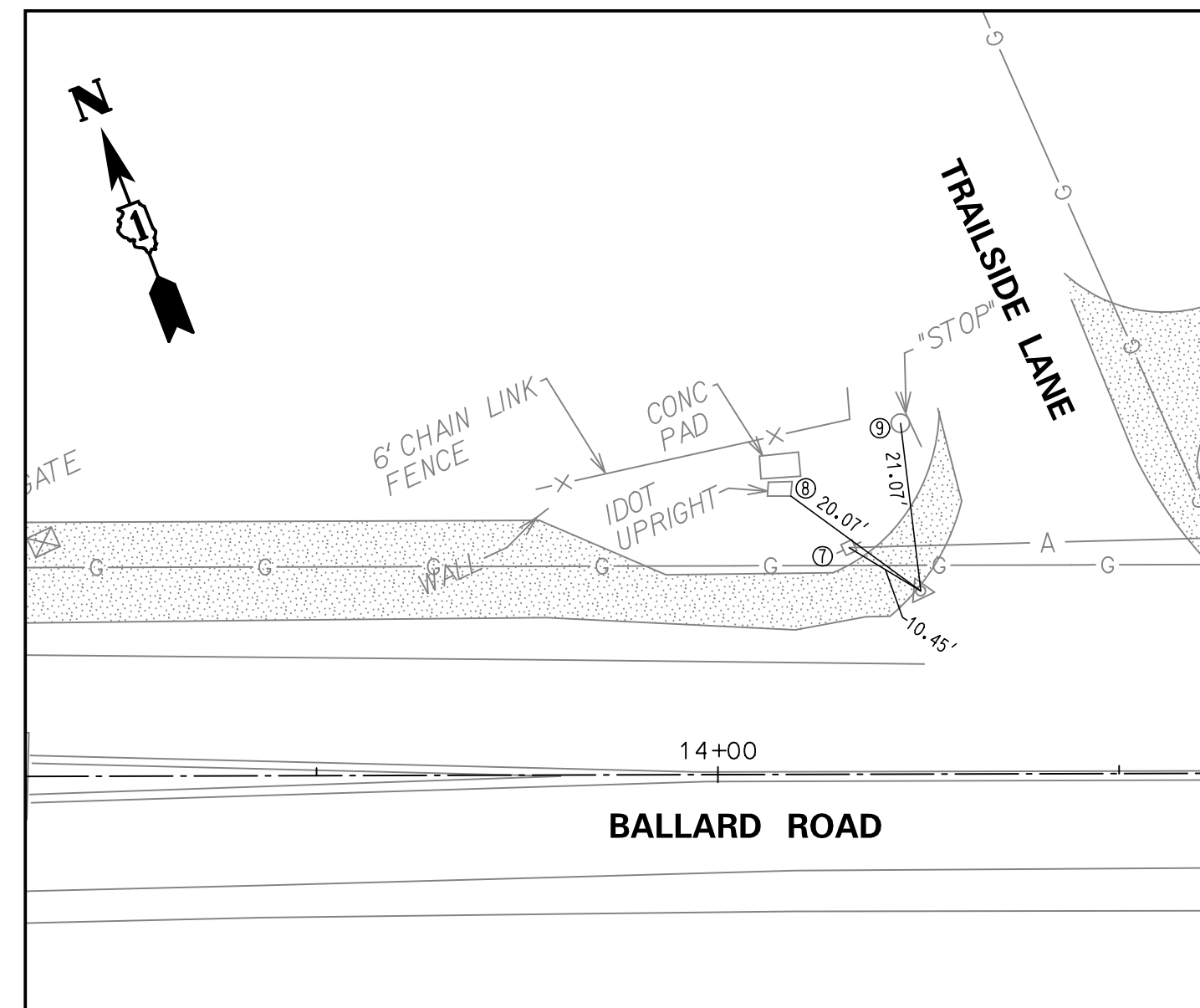
CONTROL POINT #57
 STA 10+71.37, 25.02' LT
 CONTROL POINT #57 IS AT N.E. CORNER
 OF BALLARD ROAD AND BENDER ROAD.

1. CENTER OF FIRE HYDRANT
2. CENTER OF IDOT UPRIGHT
3. CENTER OF TRAFFIC SIGNAL BOX
4. CENTER OF TRAFFIC SIGNAL



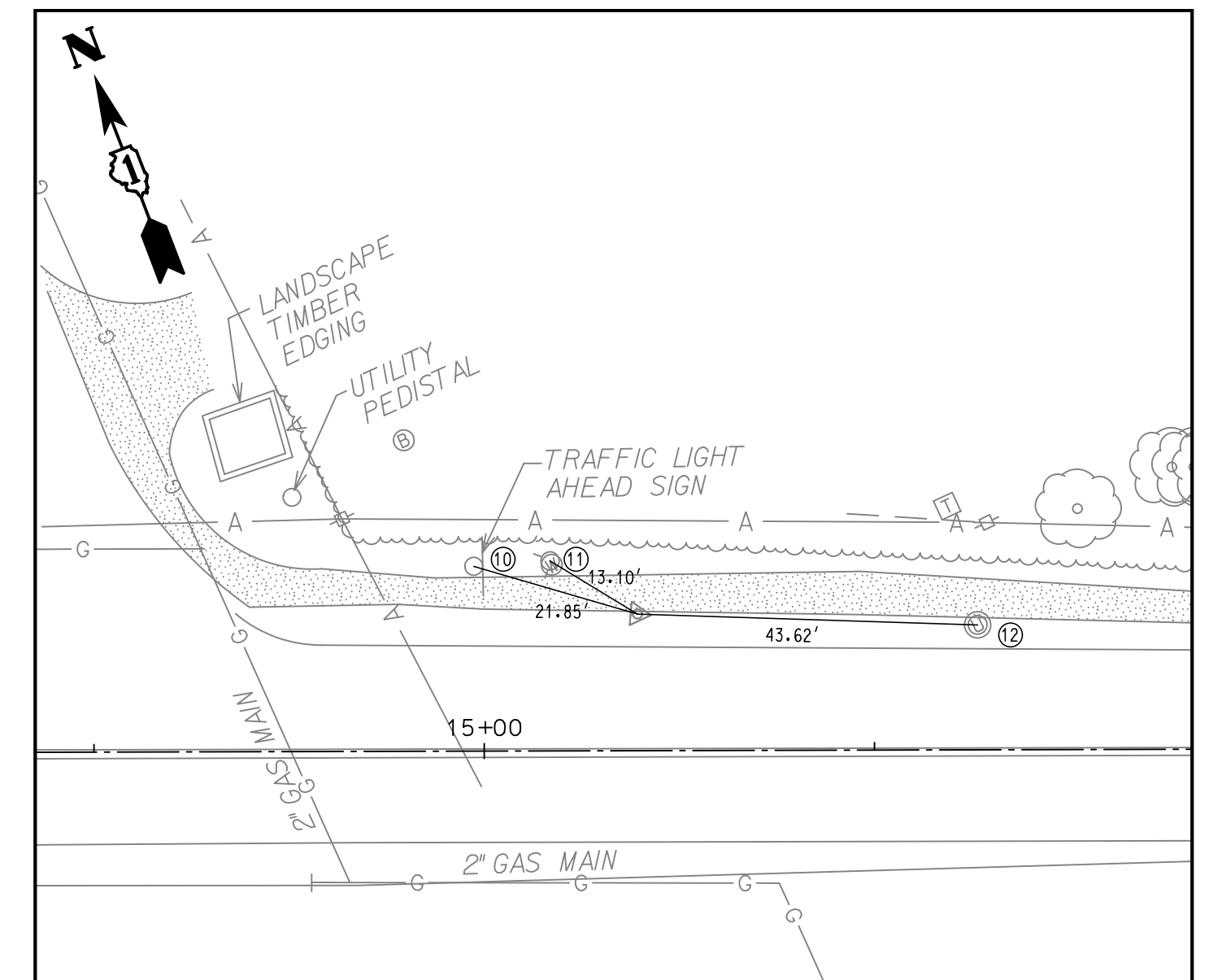
CONTROL POINT #2473
 STA 10+70.24, 40.49' RT
 CONTROL POINT #2473 IS AT S.E. CORNER
 OF BALLARD ROAD AND BENDER ROAD.

4. CENTER OF FIRE HYDRANT
5. CENTER OF TRAFFIC SIGNAL
6. CENTER OF TRAFFIC SIGNAL BOX



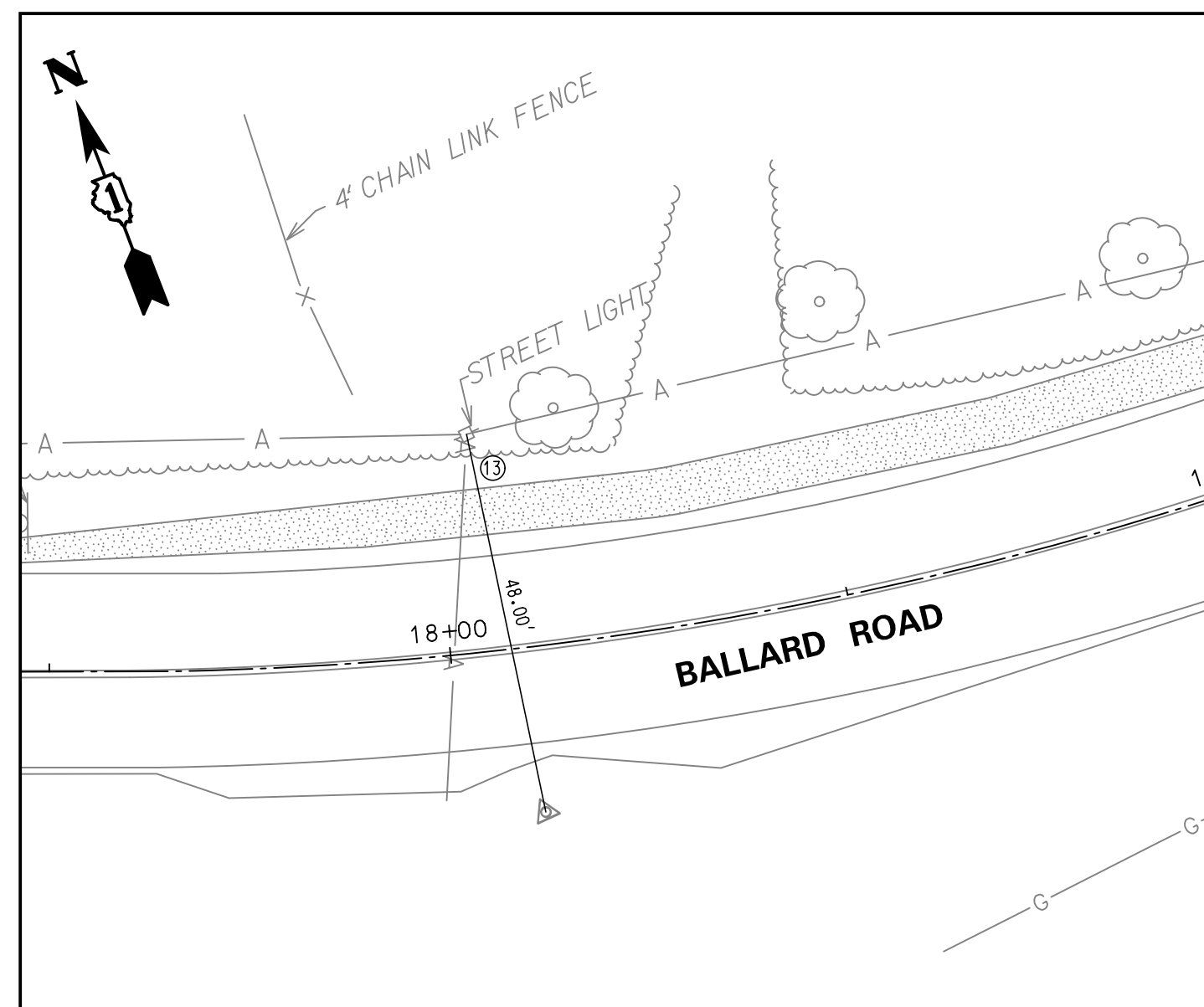
CONTROL POINT #229
 STA 14+25.33, 22.79' LT
 CONTROL POINT #229 IS AT N.W. CORNER
 OF BALLARD ROAD AND TRAILSIDE LANE.

7. CENTER OF UTILITY POLE
8. CORNER OF IDOT UPRIGHT PEDESTAL
9. CENTER OF STOP SIGN



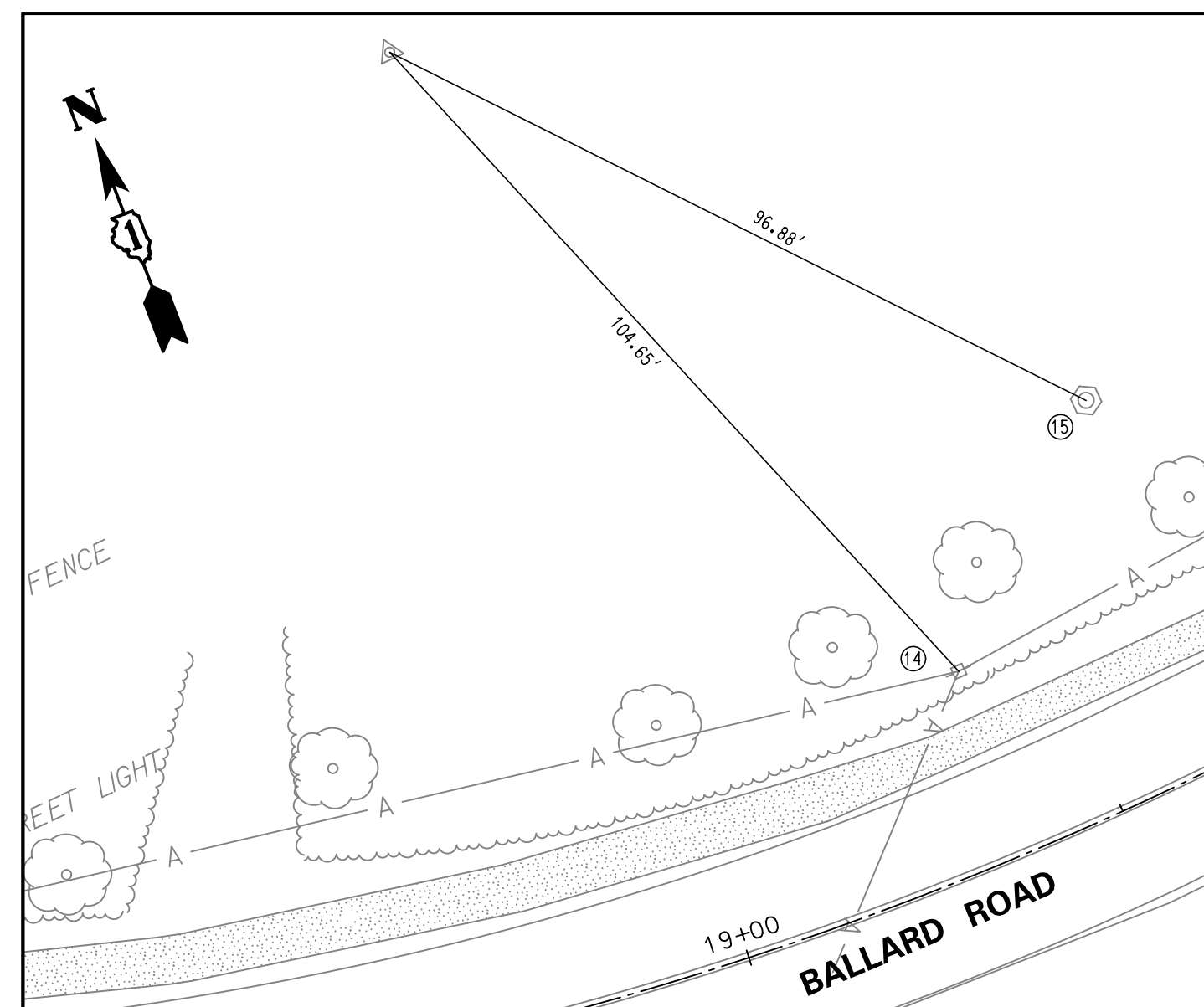
CONTROL POINT #56
 STA 15+19.68, 17.50' LT
 CONTROL POINT #56 IS AT N.E. CORNER
 OF BALLARD ROAD AND TRAILSIDE LANE.

10. CENTER OF TRAFFIC SIGNAL AHEAD SIGN
11. CENTER OF FIRE HYDRANT
12. CENTER OF UTILITY MANHOLE



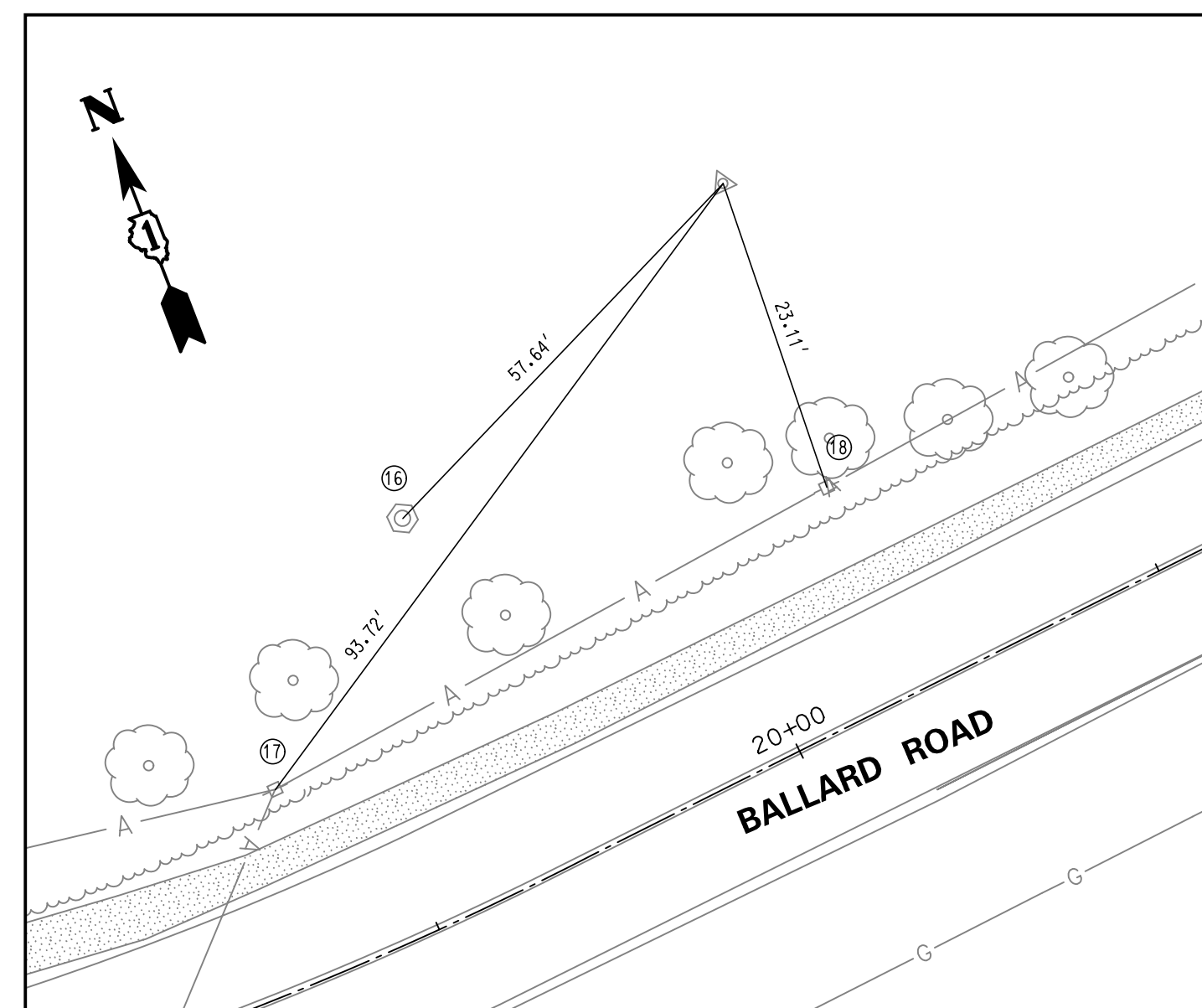
CONTROL POINT #55
 STA 15+09.49, 20.60' RT
 CONTROL POINT #55 IS WITHIN SOUTH
 R.O.W. OF BALLARD ROAD.

13. CENTER OF UTILITY OF POLE



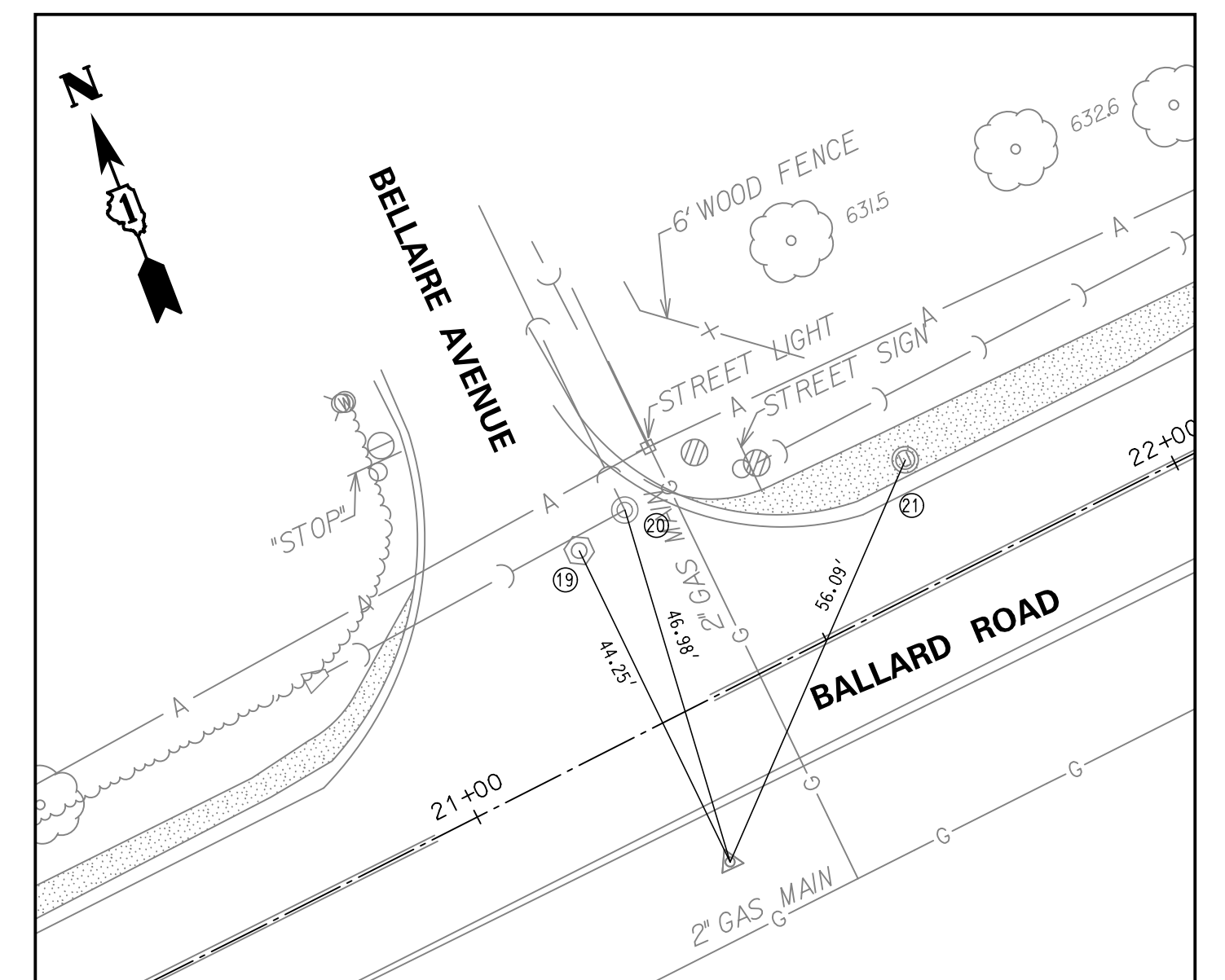
CONTROL POINT #2373
 STA 15+90.12, 120.95' LT
 CONTROL POINT #2373 IS NORTH OF THE
 BALLARD ROAD R.O.W..

14. CENTER OF UTILITY POLE
15. CENTER OF MANHOLE



CONTROL POINT #2345
 STA 20+23.11, 67.40' LT
 CONTROL POINT #2345 IS NORTH OF THE
 BALLARD ROAD R.O.W..

16. CENTER OF MANHOLE
17. CENTER OF UTILITY POLE
18. CENTER OF UTILITY POLE



CONTROL POINT #54
 STA 21+26.21, 19.75' RT
 CONTROL POINT #54 IS SOUTH SIDE OF
 BALLARD ROAD AND BELLAIRE AVENUE.

19. CENTER OF MANHOLE
20. CENTER OF MANHOLE
21. CENTER OF UTILITY MANHOLE

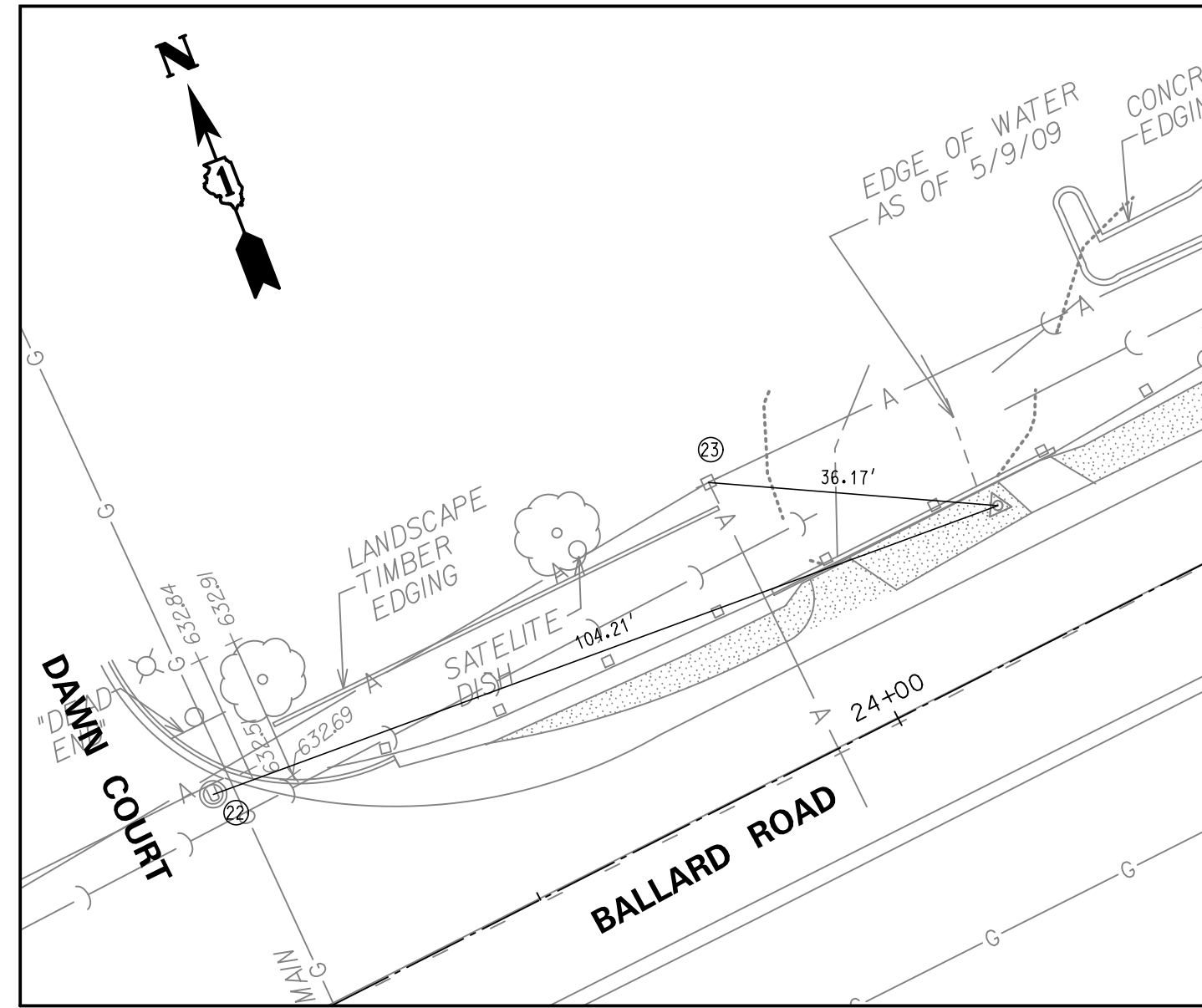
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

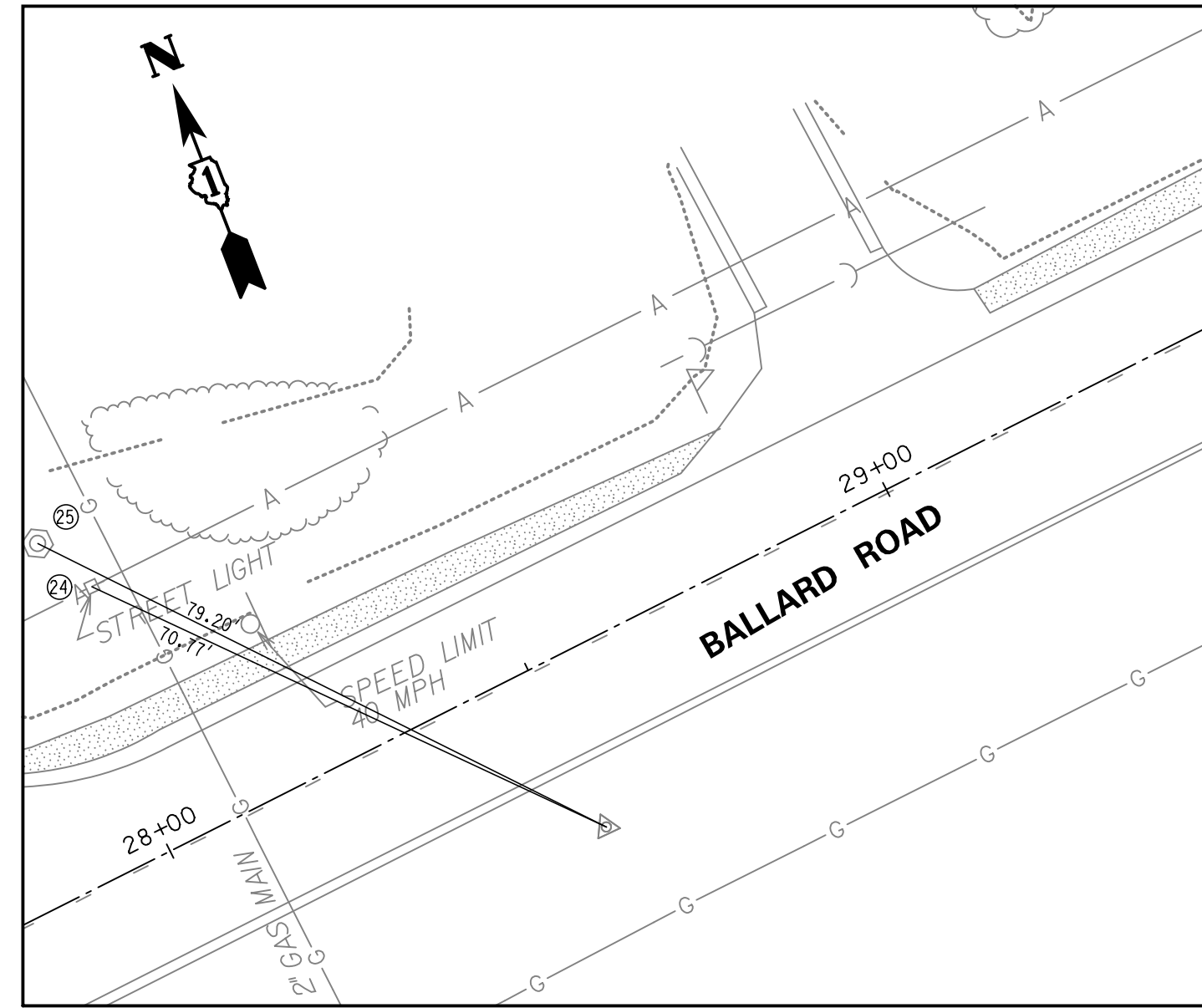
**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
 ALIGNMENT, TIES, BENCHMARKS, AND CONTROL POINTS - 4**

SCALE: 1"= 20' SHEET NO. 9 OF 32 SHEETS STA. 10+00 TO STA. 34+69

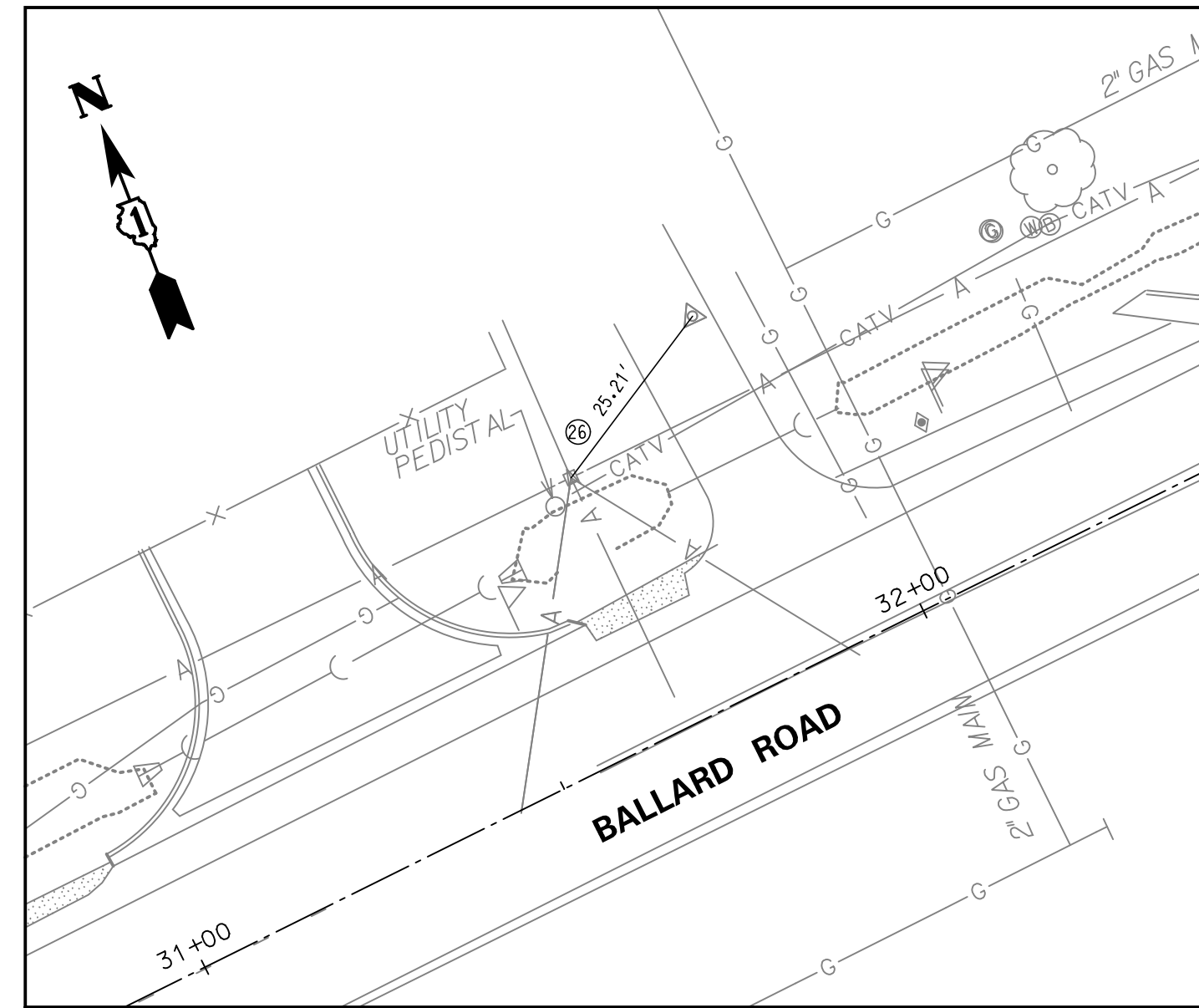
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	9
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



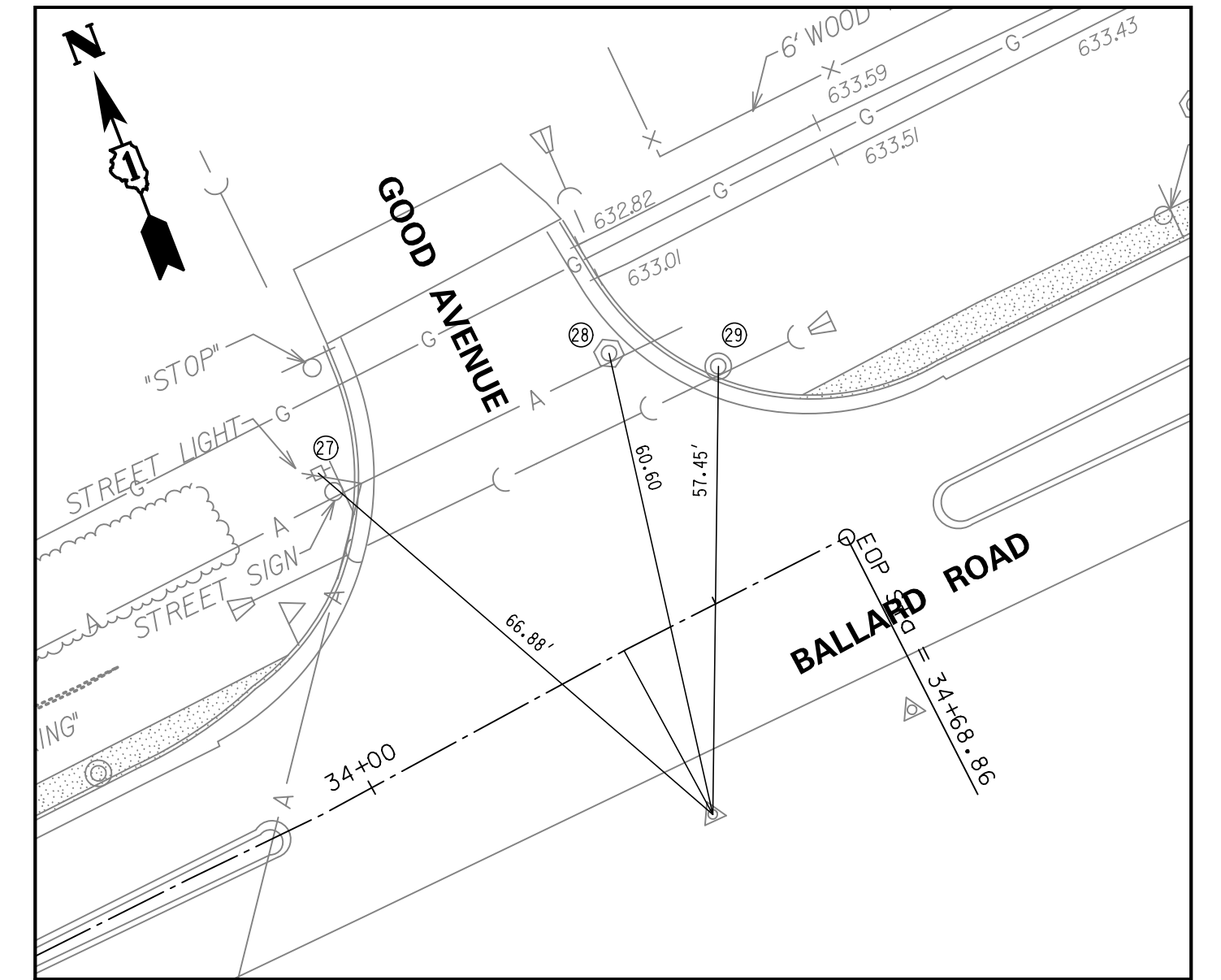
CONTROL POINT #53
 STA 24+23.07, 18.08' LT
 CONTROL POINT #53 IS WITHIN NORTH
 BALLARD ROAD R.O.W.
 22. CENTER OF UTILITY MANHOLE
 23. CENTER OF UTILITY POLE



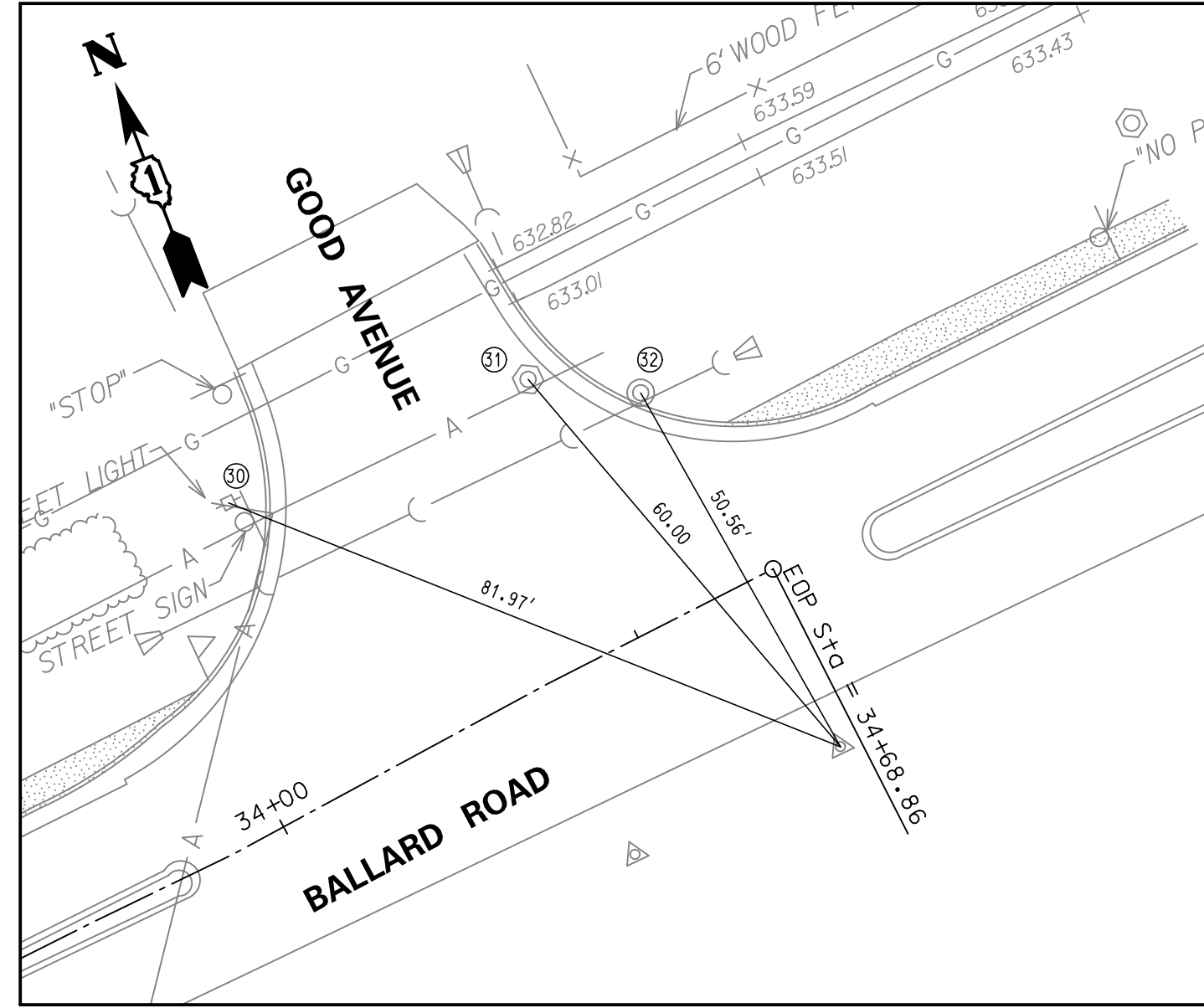
CONTROL POINT #52
 STA 28+49.87, 21.80' RT
 CONTROL POINT #52 IS WITHIN SOUTH
 BALLARD ROAD R.O.W.
 24. CENTER OF UTILITY POLE
 25. CENTER OF MANHOLE



CONTROL POINT #51
 STA 31+90.52, 45.72' LT
 CONTROL POINT #51 IS WITHIN NORTH
 BALLARD ROAD R.O.W.
 26. CENTER OF UTILITY POLE



CONTROL POINT #60
 STA 34+36.76, 23.85' RT
 CONTROL POINT #60 IS AT SOUTH SIDE
 OF BALLARD ROAD AND GOOD AVENUE.
 27. CENTER OF UTILITY POLE
 28. CENTER OF MANHOLE
 29. CENTER OF MANHOLE



CONTROL POINT #50
 STA 34+65.68, 23.52' RT
 CONTROL POINT #50 IS ON SOUTH SIDE
 OF BALLARD ROAD AND GOOD AVENUE.
 30. CENTER OF UTILITY OF POLE
 31. CENTER OF MANHOLE
 32. CENTER OF MANHOLE

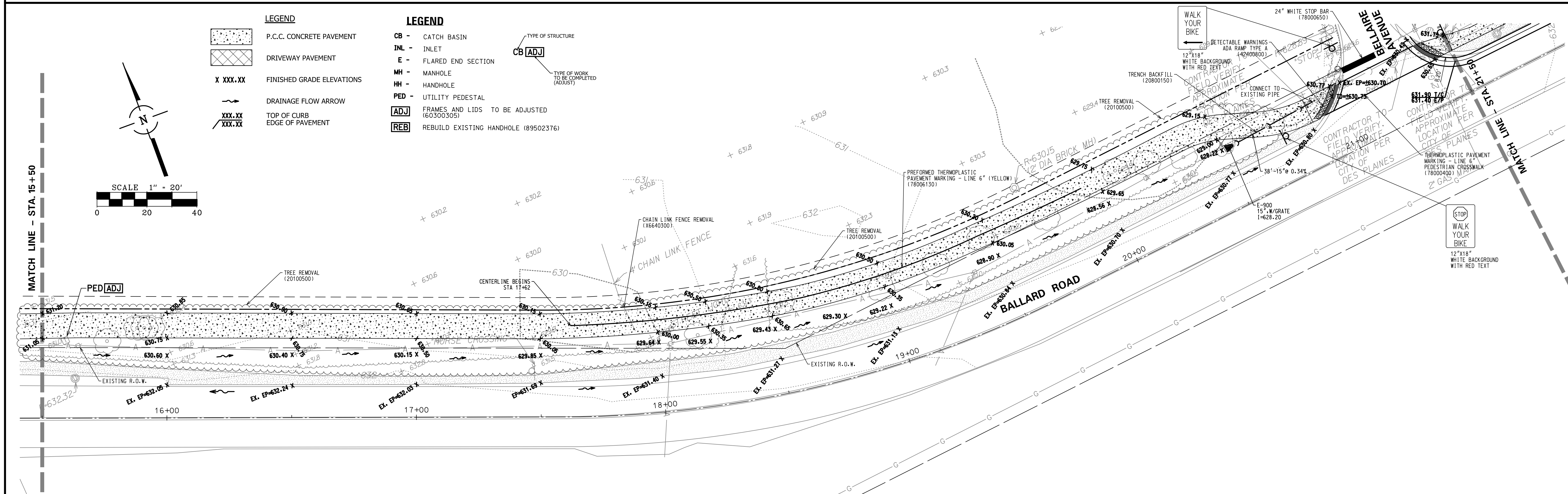
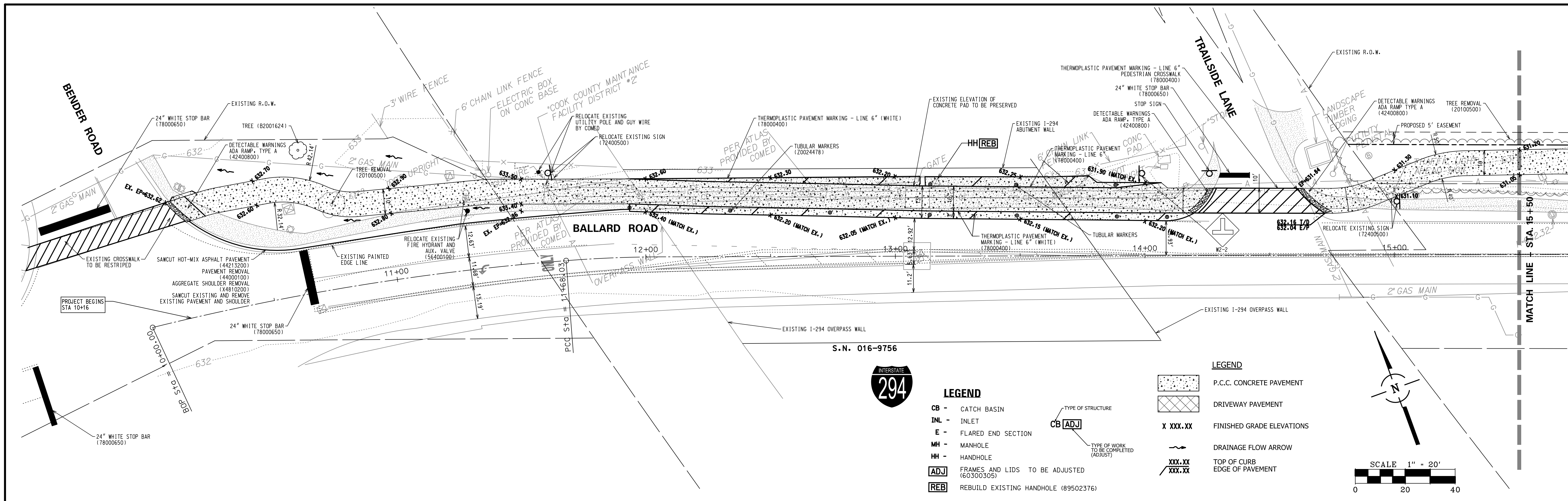
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

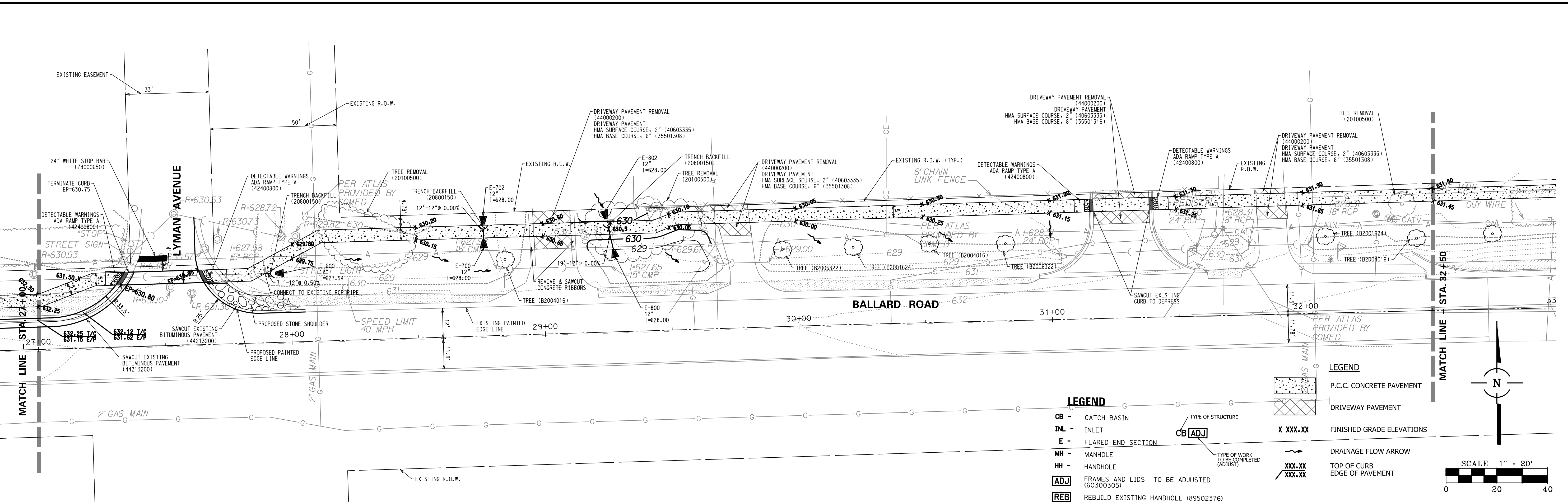
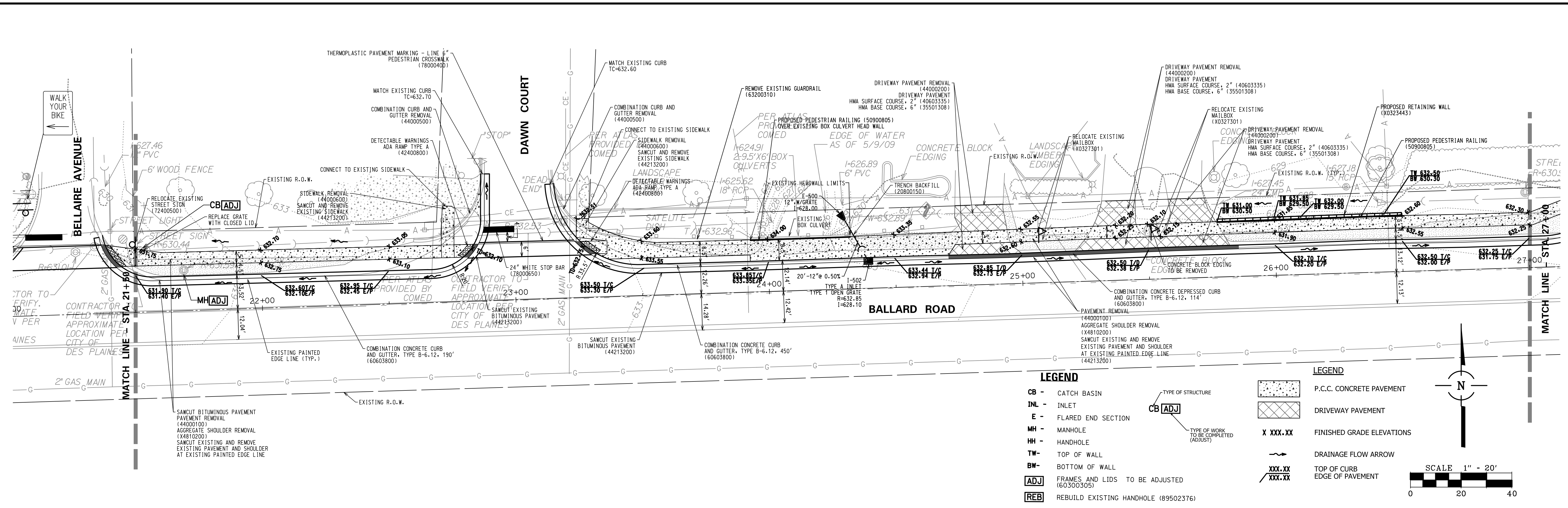
**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
 ALIGNMENT, TIES, BENCHMARKS, AND CONTROL POINTS - 5**

SCALE: 1"= 20' SHEET NO. 10 OF 32 SHEETS STA. 10+00 TO STA. 34+69

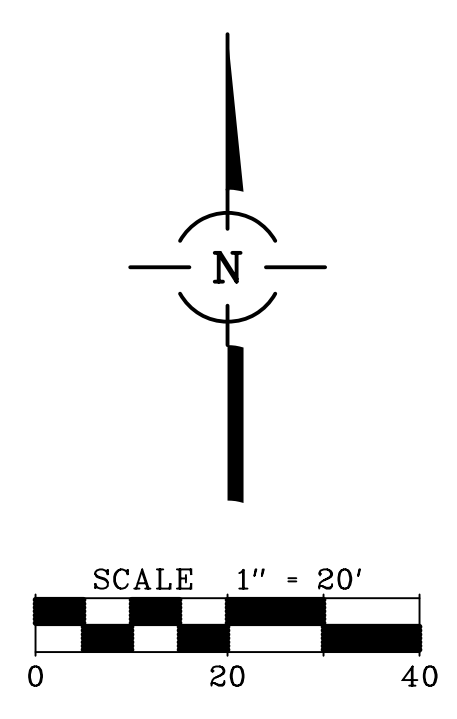
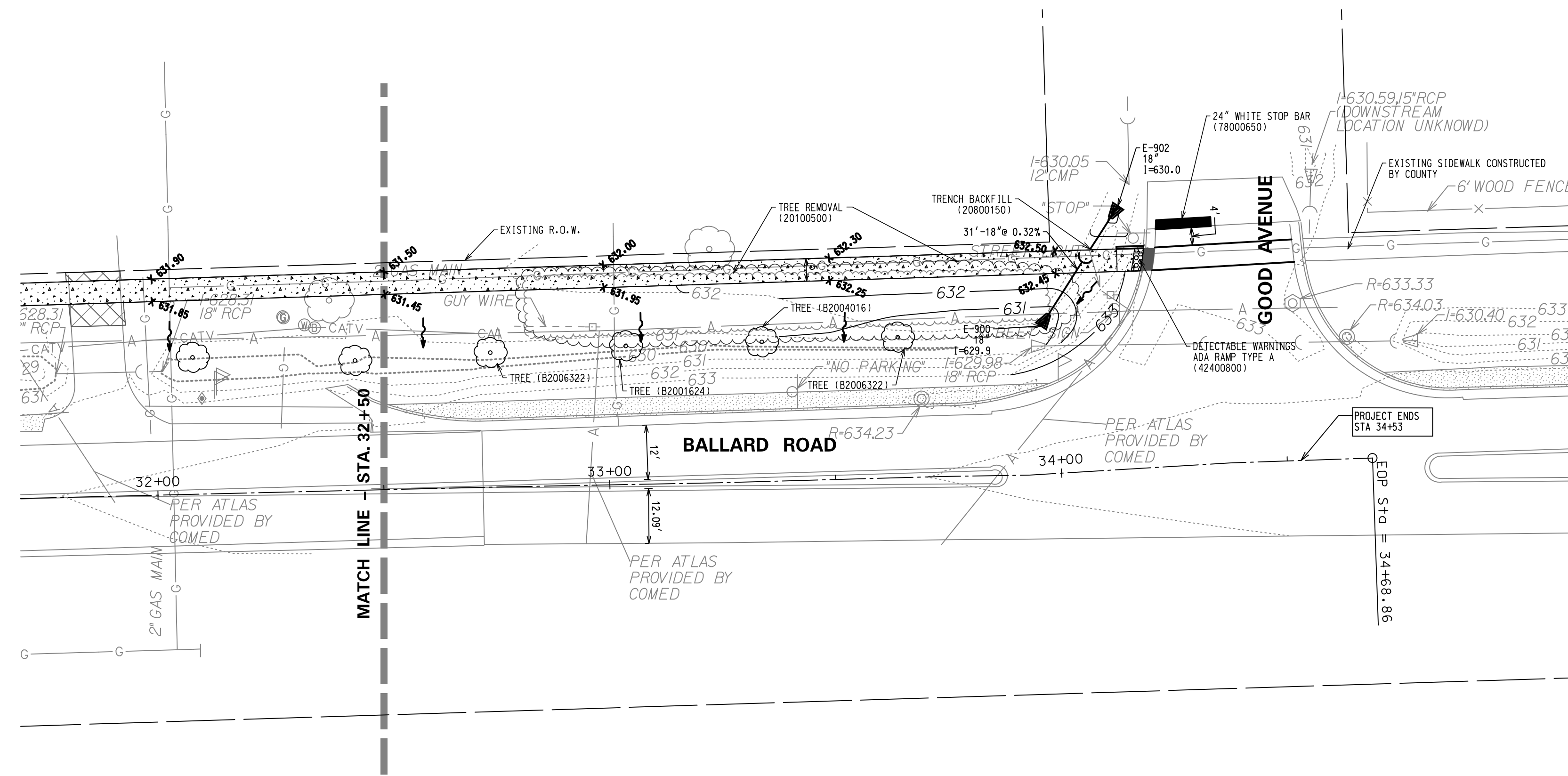
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	10
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = 684923040.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SIDE PATH ENGINEERING PLAN - 1	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 11		
Default	PLOT SCALE = 1:208	CHECKED -	REVISED -			SCALE: 1"= 20'	SHEET NO. 11 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91			
	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

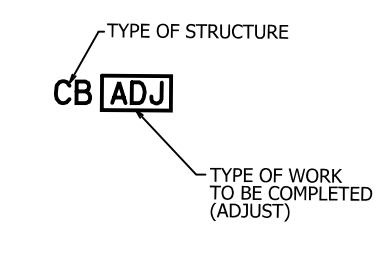


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Default	PLOT SCALE = 1:20	CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET NO. 12 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91			
	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



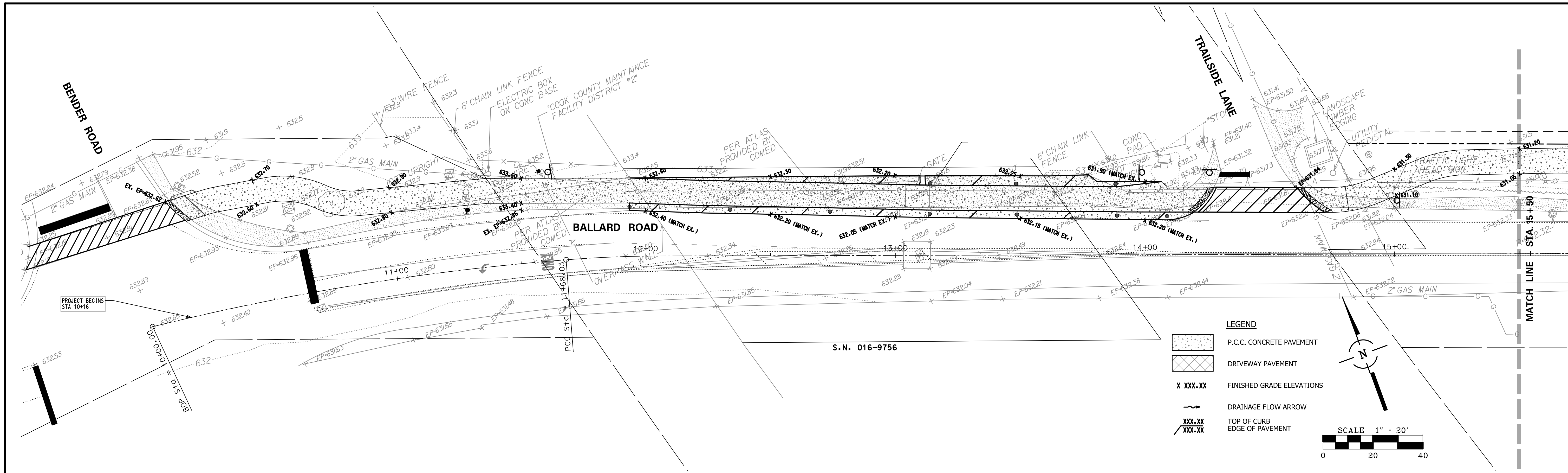
LEGEND

- CB - CATCH BASIN
- INL - INLET
- E - FLARED END SECTION
- MH - MANHOLE
- HH - HANDHOLE
- ADJ - FRAMES AND LIDS TO BE ADJUSTED (60300305)
- REB - REBUILD EXISTING HANDHOLE (89502376)



- LEGEND**
- P.C.C. CONCRETE PAVEMENT
 - DRIVEWAY PAVEMENT
 - X XXX.XX - FINISHED GRADE ELEVATIONS
 - DRAINAGE FLOW ARROW
 - XXX.XX / XXX.XX - TOP OF CURB / EDGE OF PAVEMENT

FILE NAME = 6049.03GM03.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SIDE PATH ENGINEERING PLAN - 3	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 13		
Default	PLOT SCALE = 1:20	DRAWN -	REVISED -			SCALE: 1" = 20'	SHEET NO. 13 OF 32 SHEETS	STATION: STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91			
	PLOT DATE = 2/6/2018	CHECKED -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

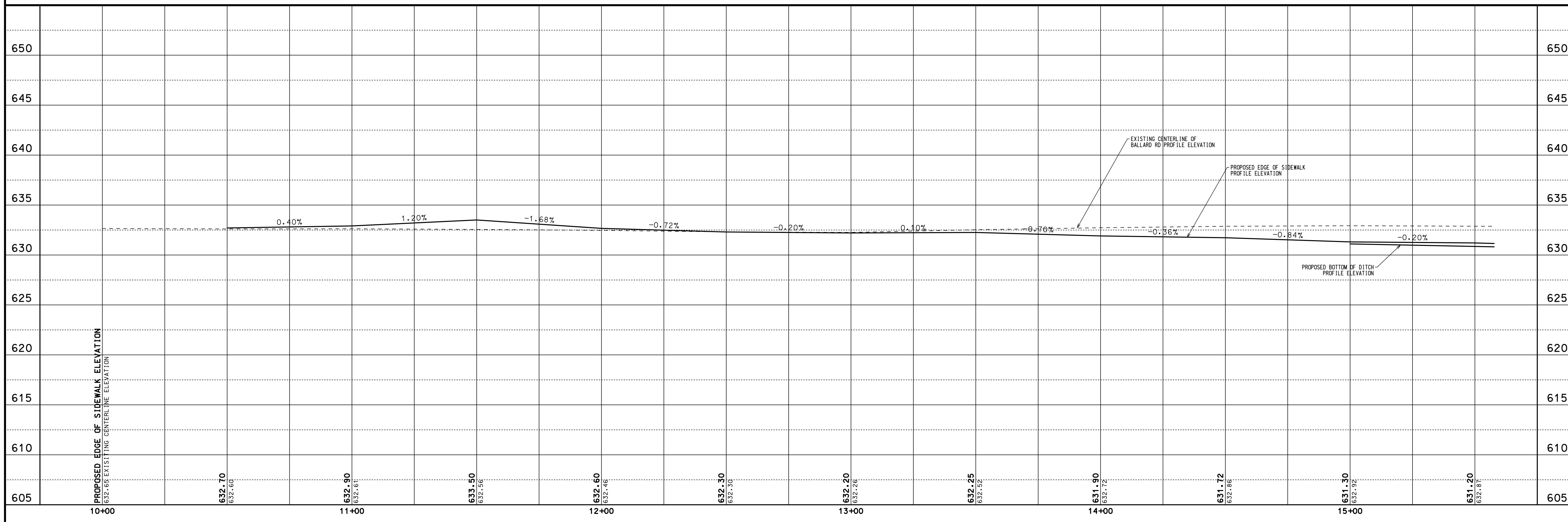


LEGEND

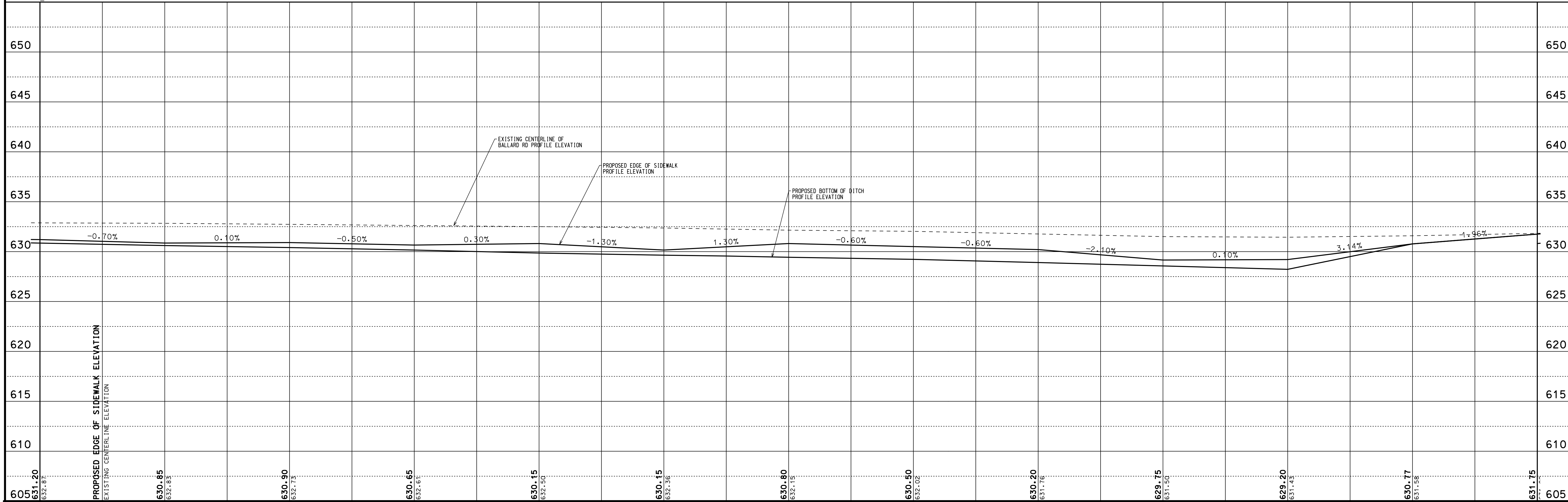
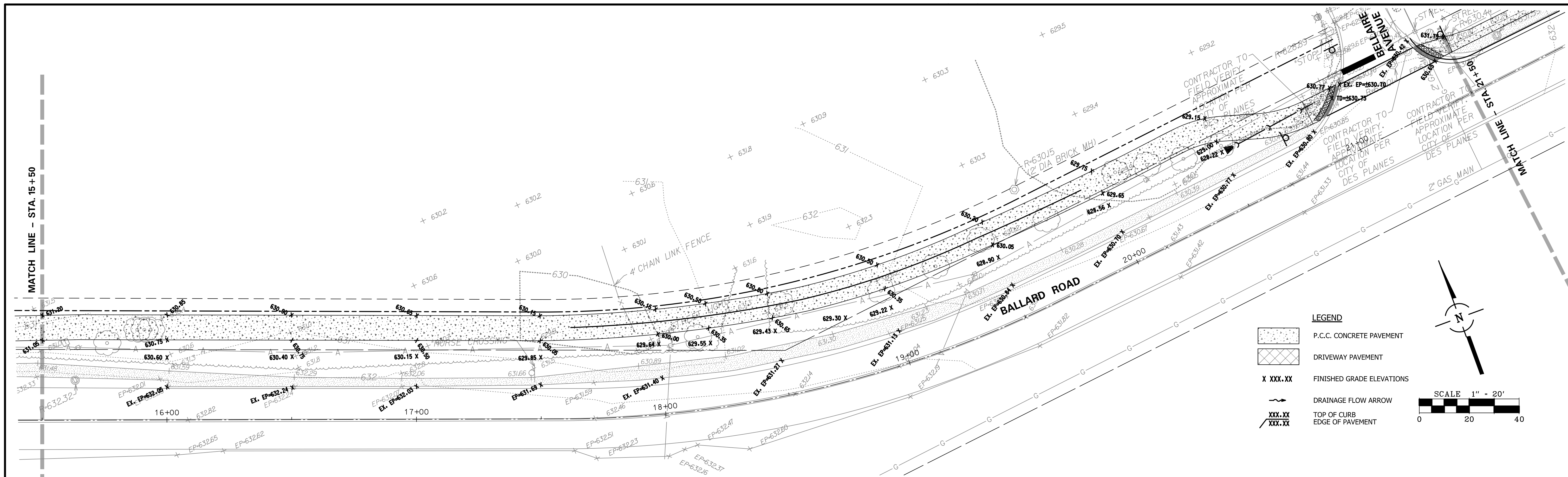
- P.C.C. CONCRETE PAVEMENT
- DRIVEWAY PAVEMENT
- X XXX.XX
- DRAINAGE FLOW ARROW
- XXX.XX
- XXX.XX

SCALE 1" = 20'

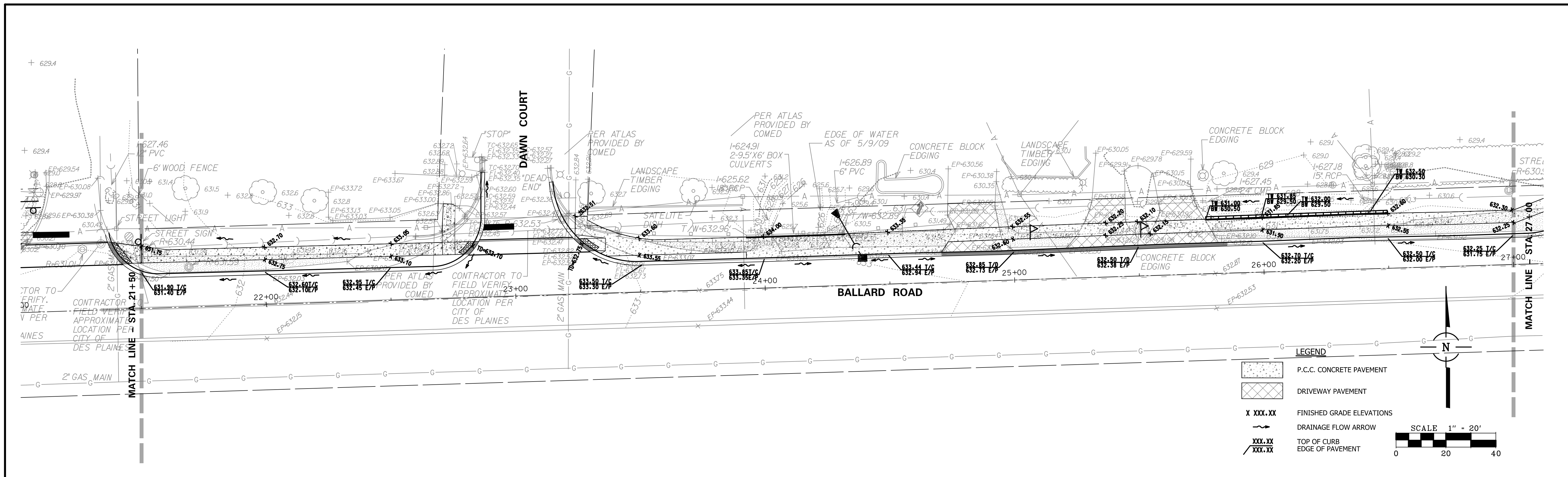
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FILE NAME = 604903PP01.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SIDE PATH PROFILE - 1	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 14		
Default	PLOT SCALE = 1:20	CHECKED -	REVISED -			SCALE: 1"= 20' SHEET NO. 14 OF 32 SHEETS STA. 10+00 TO STA. 34+69		CONTRACT NO. 61B91				
	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT						



FILE NAME = 60493PP02.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SIDE PATH PROFILE - 2			F.A.U. R.T.E. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 15
Default	PLOT SCALE = 1:20	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 15 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
	PLOT DATE = 2/6/2018	DATE -	REVISED -									

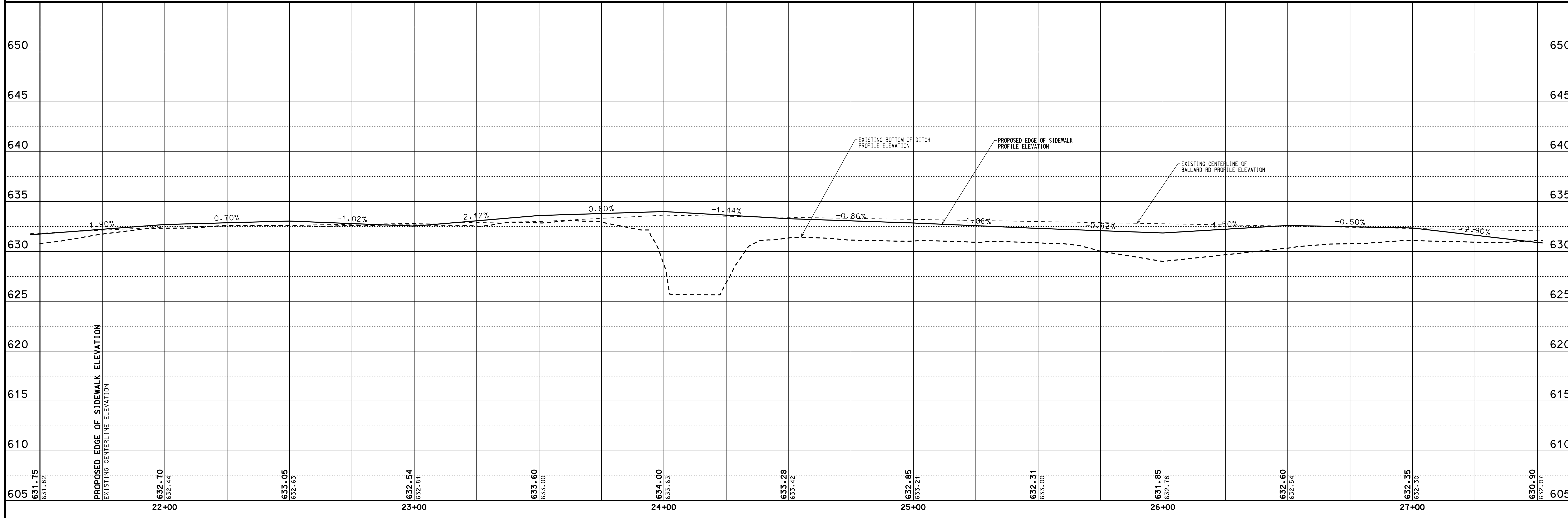


LEGEND

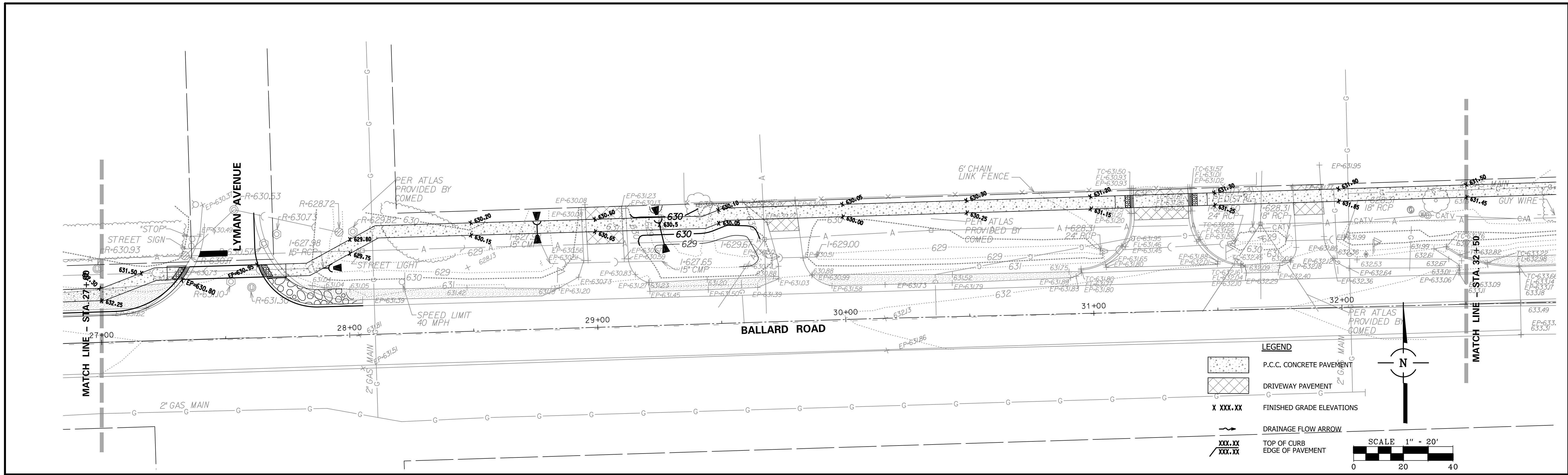
- P.C.C. CONCRETE PAVEMENT
- DRIVEWAY PAVEMENT
- X XXX.XX FINISHED GRADE ELEVATIONS
- DRAINAGE FLOW ARROW
- XXX.XX / XXX.XX TOP OF CURB / EDGE OF PAVEMENT

SCALE 1" = 20'

0 20 40



FILE NAME = 604903PP03.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) SIDE PATH PROFILE - 3	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 16	
Default	PLOT SCALE = 1:20	CHECKED -	REVISED -			SCALE: 1" = 20' SHEET NO. 16 OF 32 SHEETS STA. 10+00 TO STA. 34+69		CONTRACT NO. 61B91			
	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

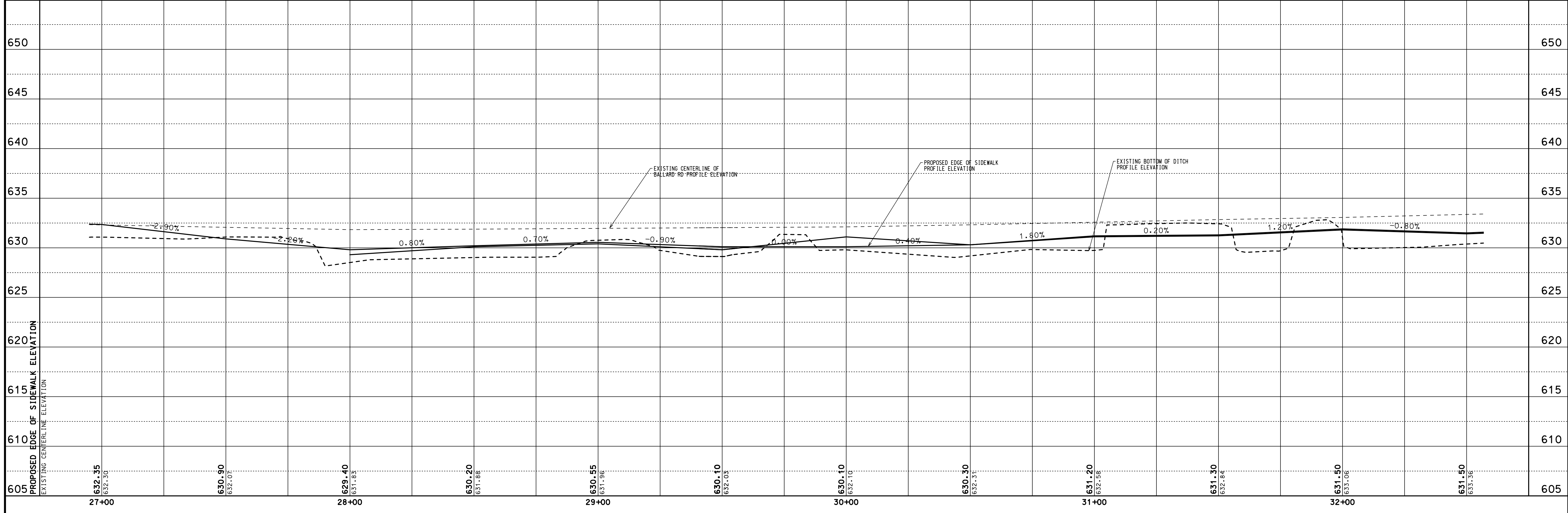


LEGEND

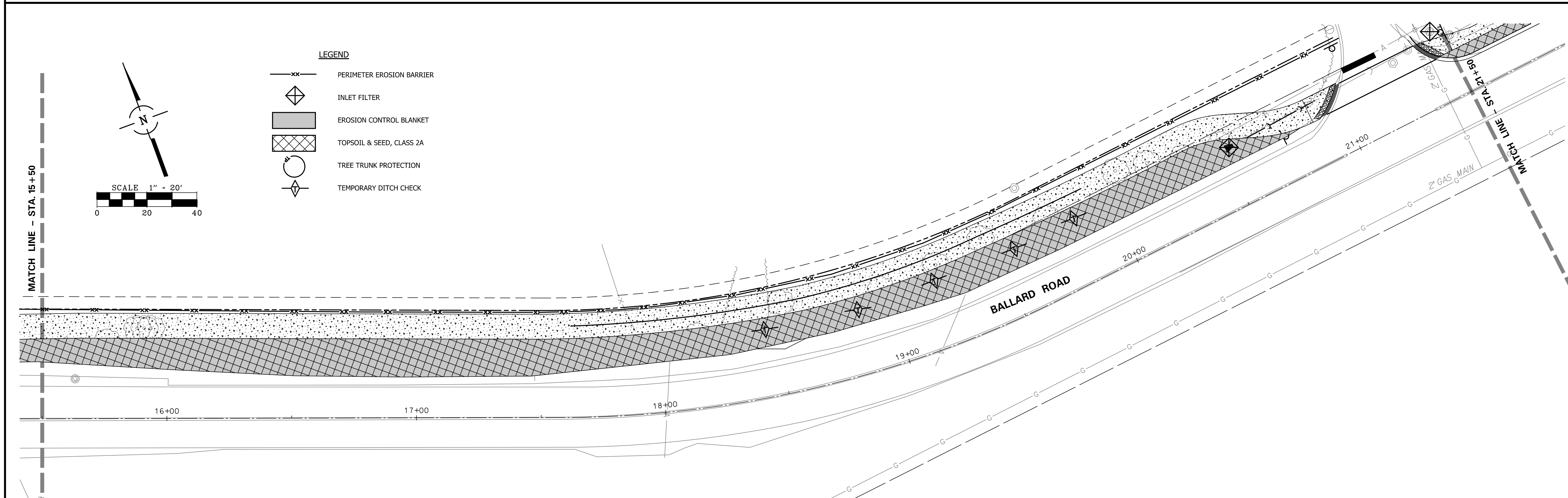
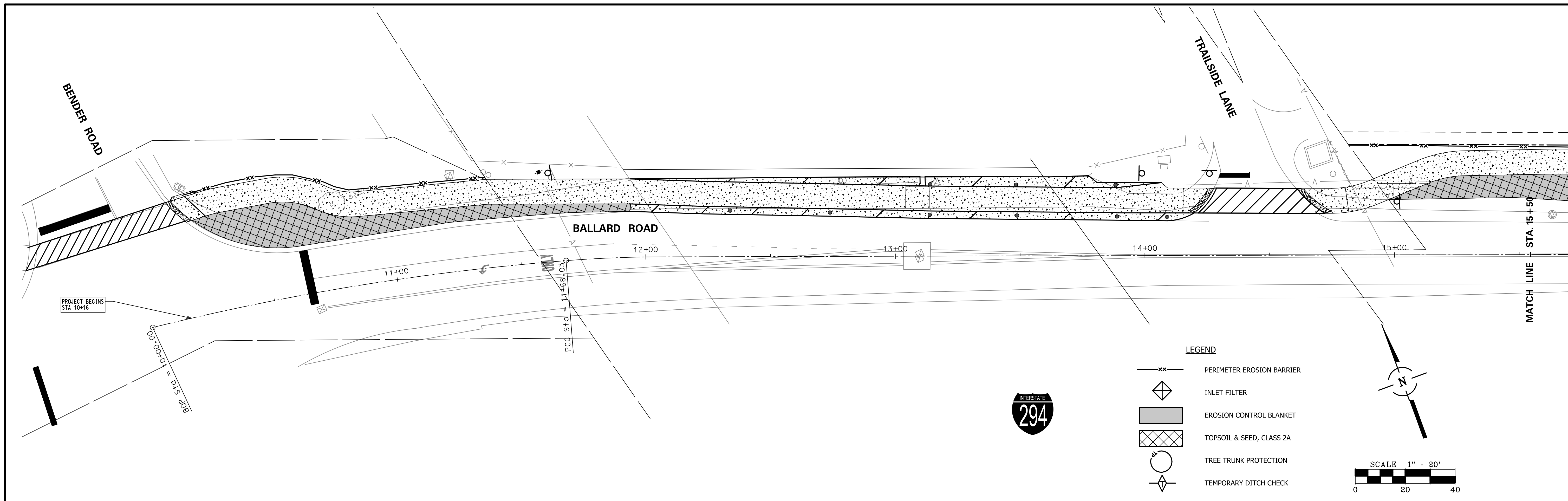
- P.C.C. CONCRETE PAVEMENT
- DRIVEWAY PAVEMENT
- X XXX.XX FINISHED GRADE ELEVATIONS
- DRAINAGE FLOW ARROW
- XXX.XX TOP OF CURB
- XXX.XX EDGE OF PAVEMENT

SCALE 1" = 20'

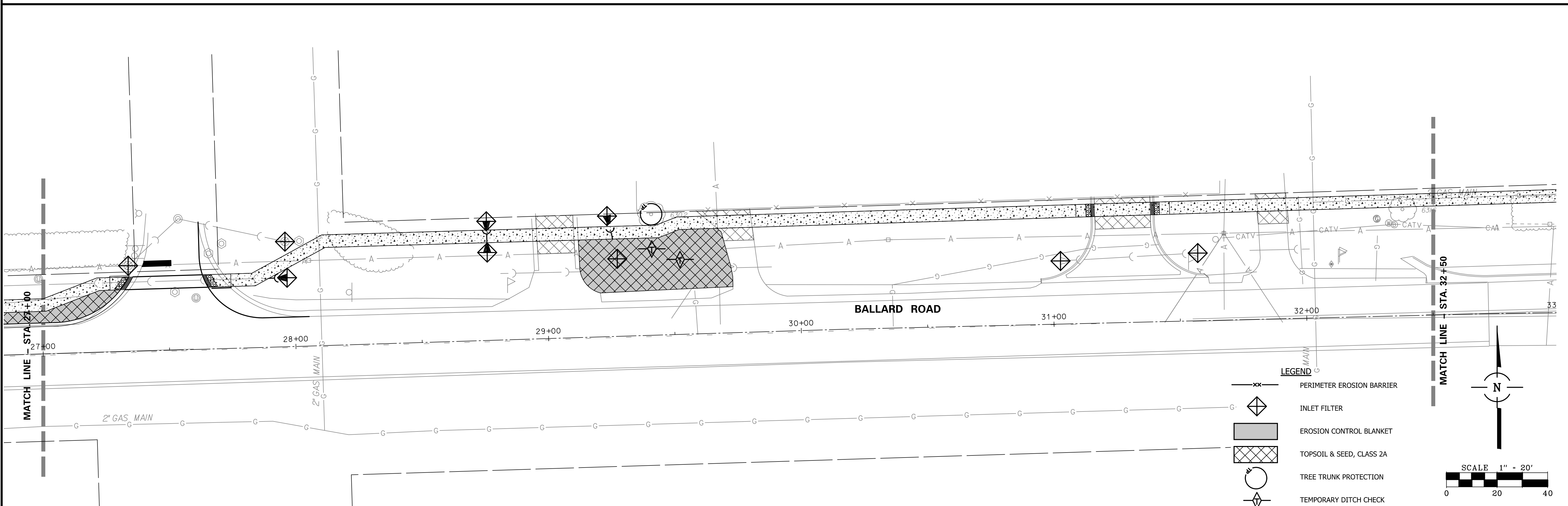
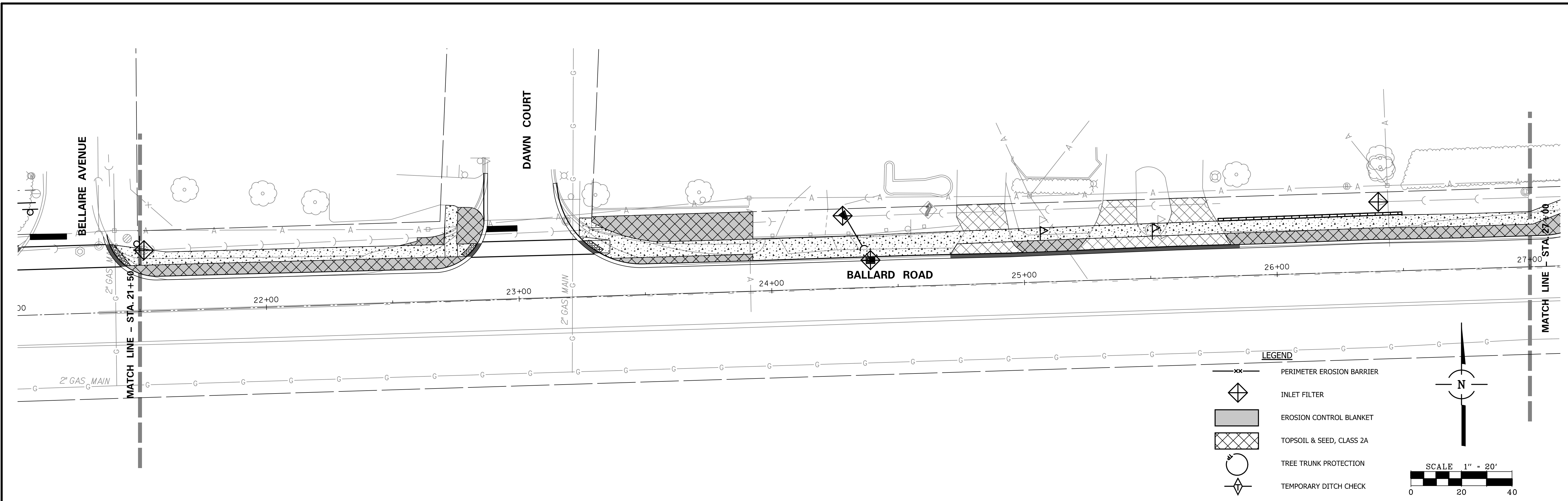
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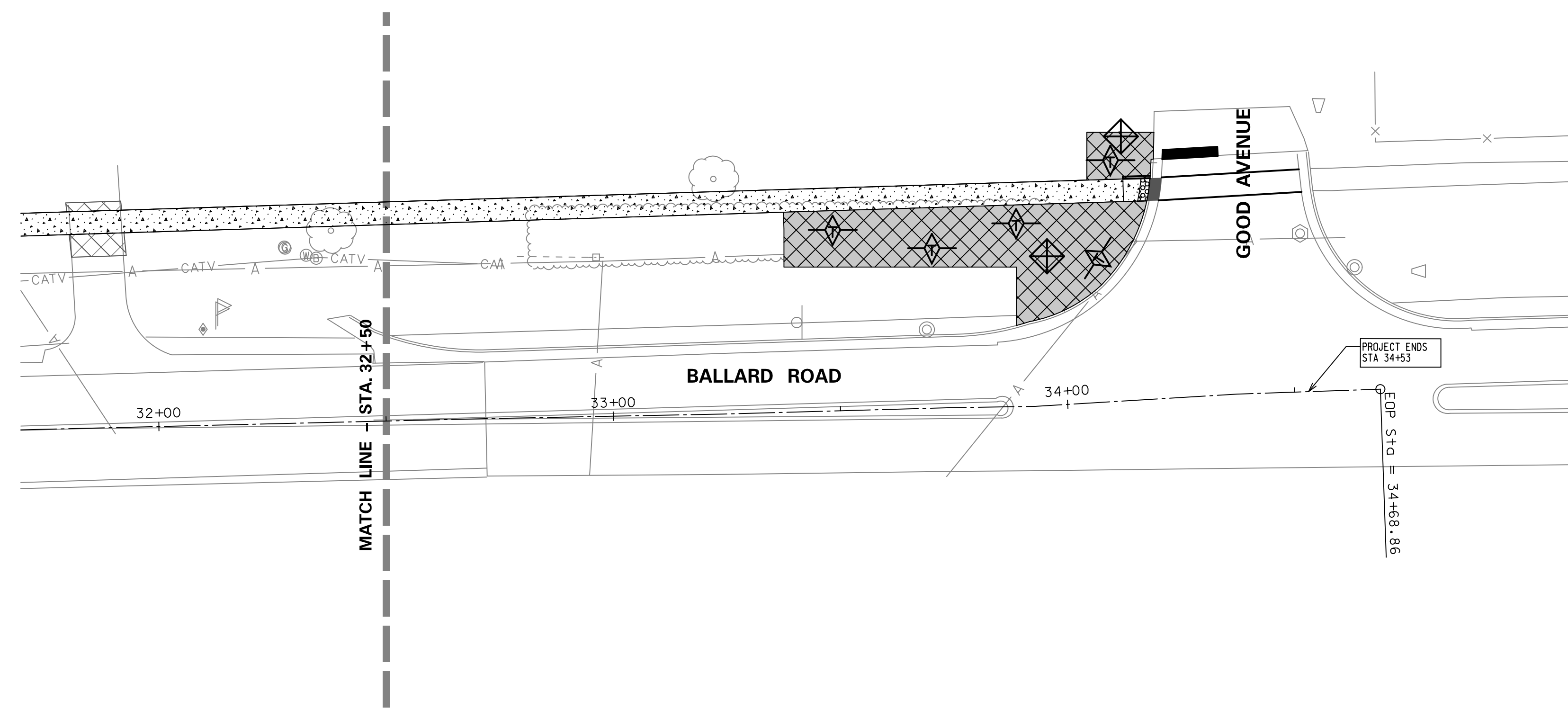
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Default	PLOT SCALE = 1:20	CHECKED -	REVISED -		SCALE: 1" = 20' SHEET NO. 17 OF 32 SHEETS STA. 10+00 TO STA. 34+69			CONTRACT NO. 61B91				
	PLOT DATE = 2/6/2018	DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



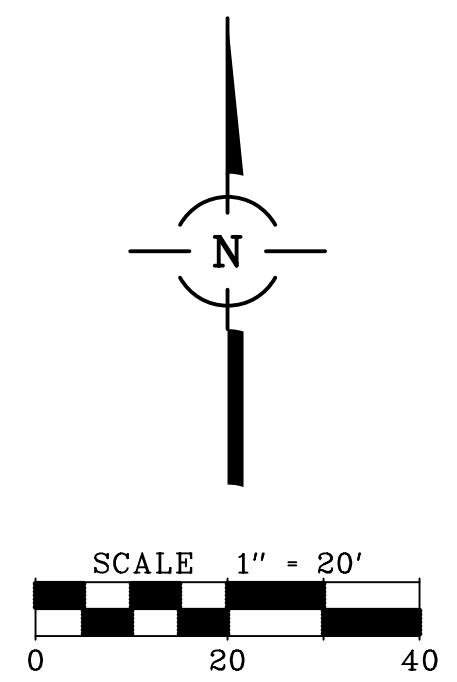
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Default	PLOT SCALE = 1:20	CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET NO. 19 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91		
	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



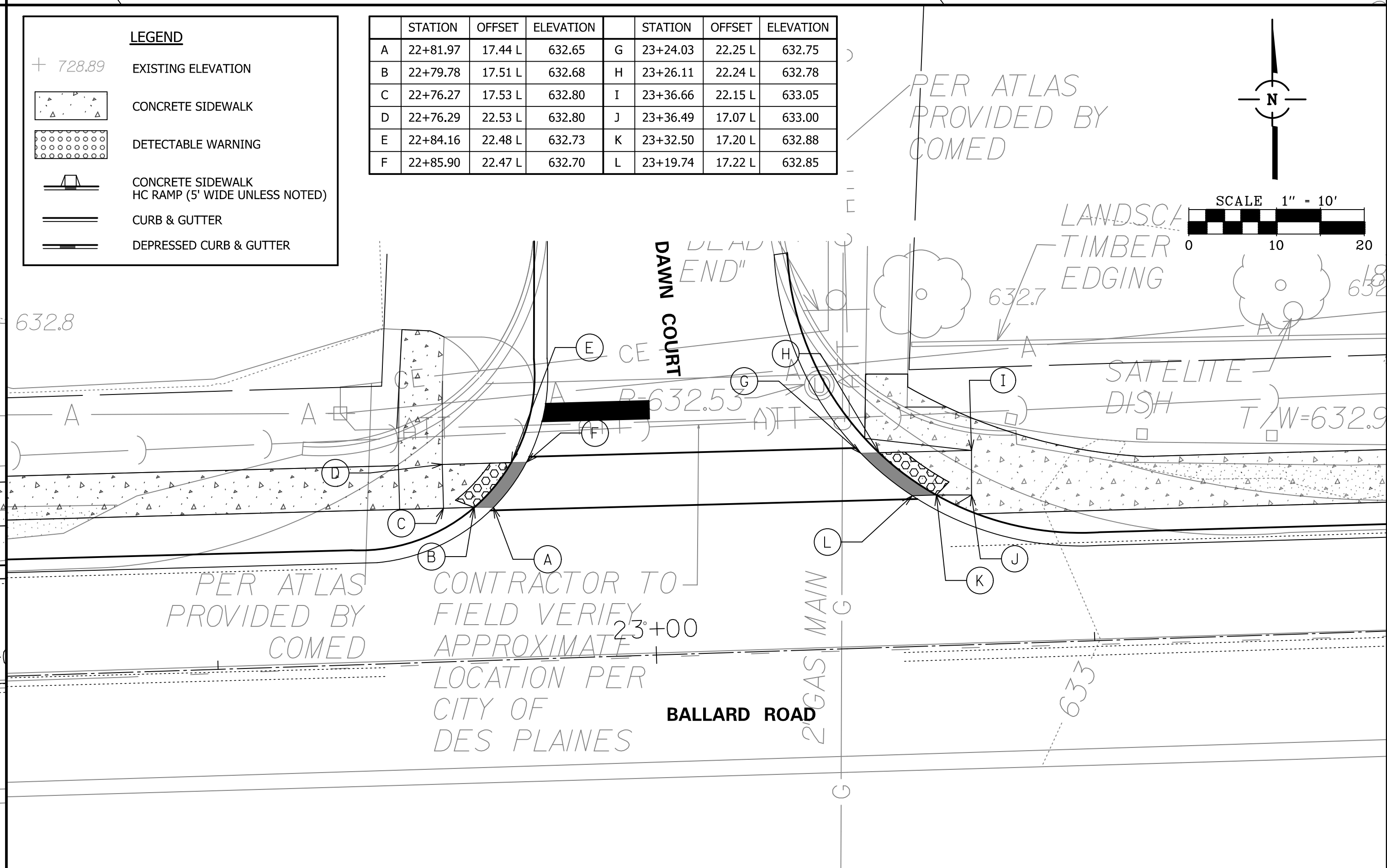
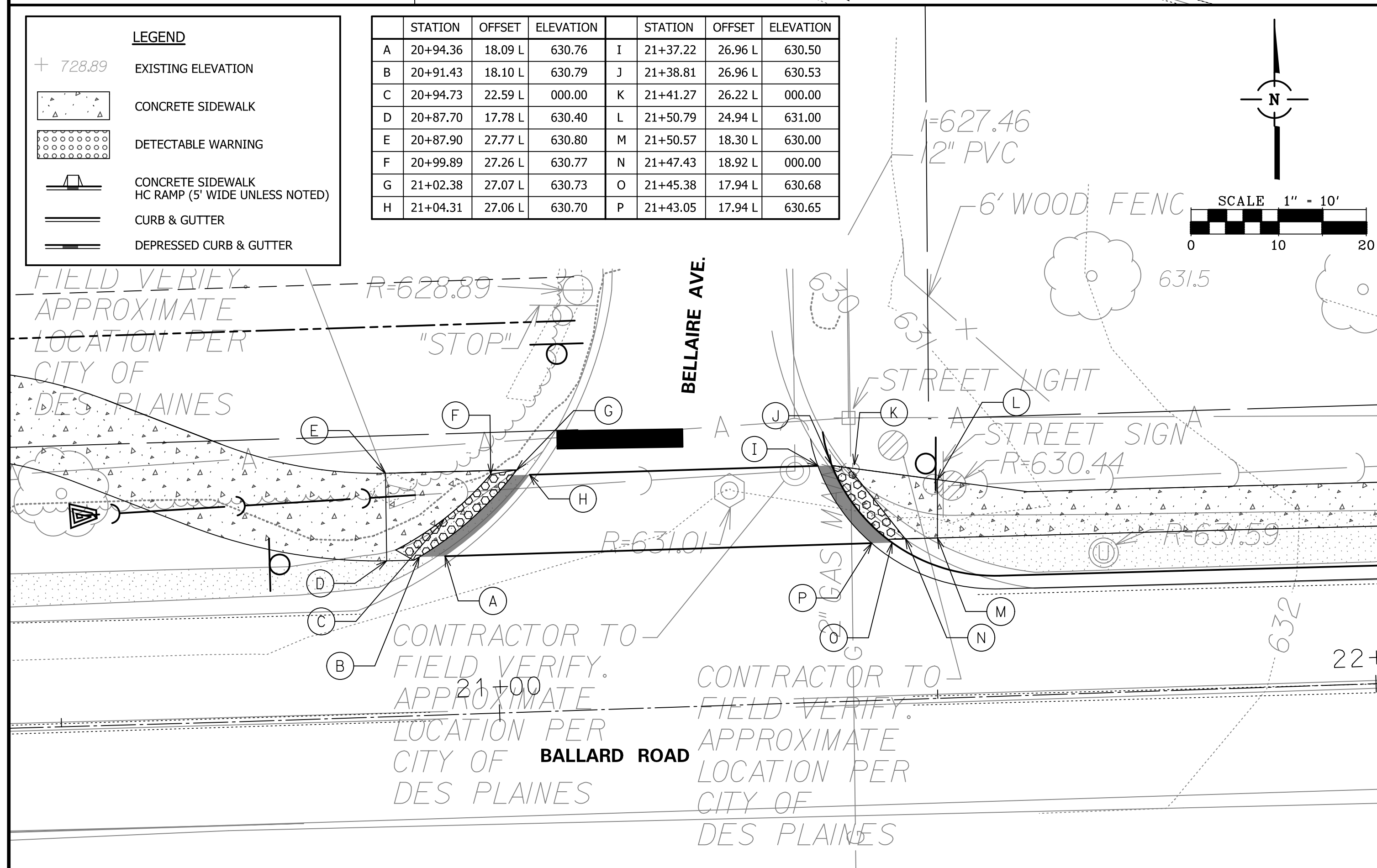
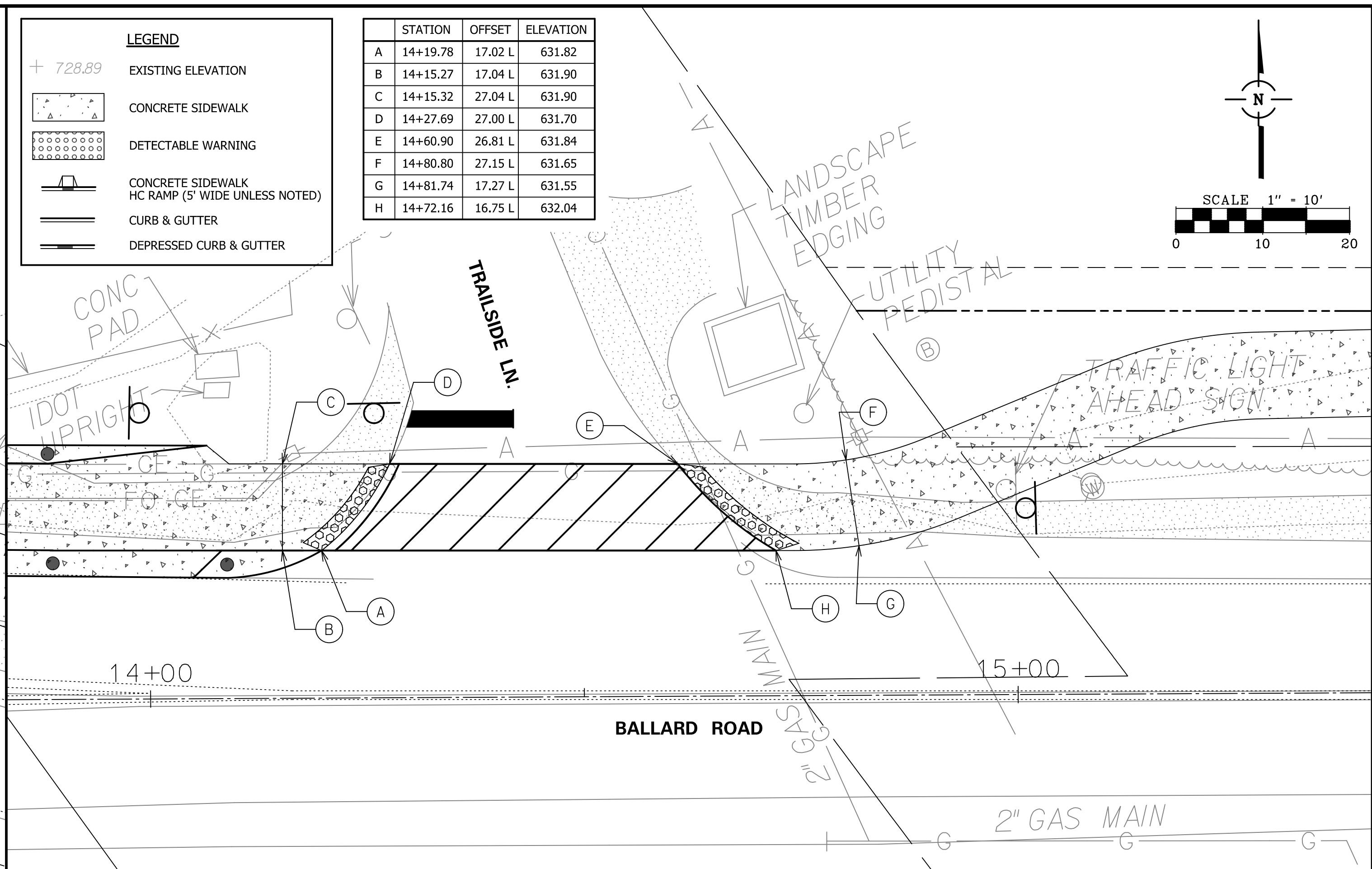
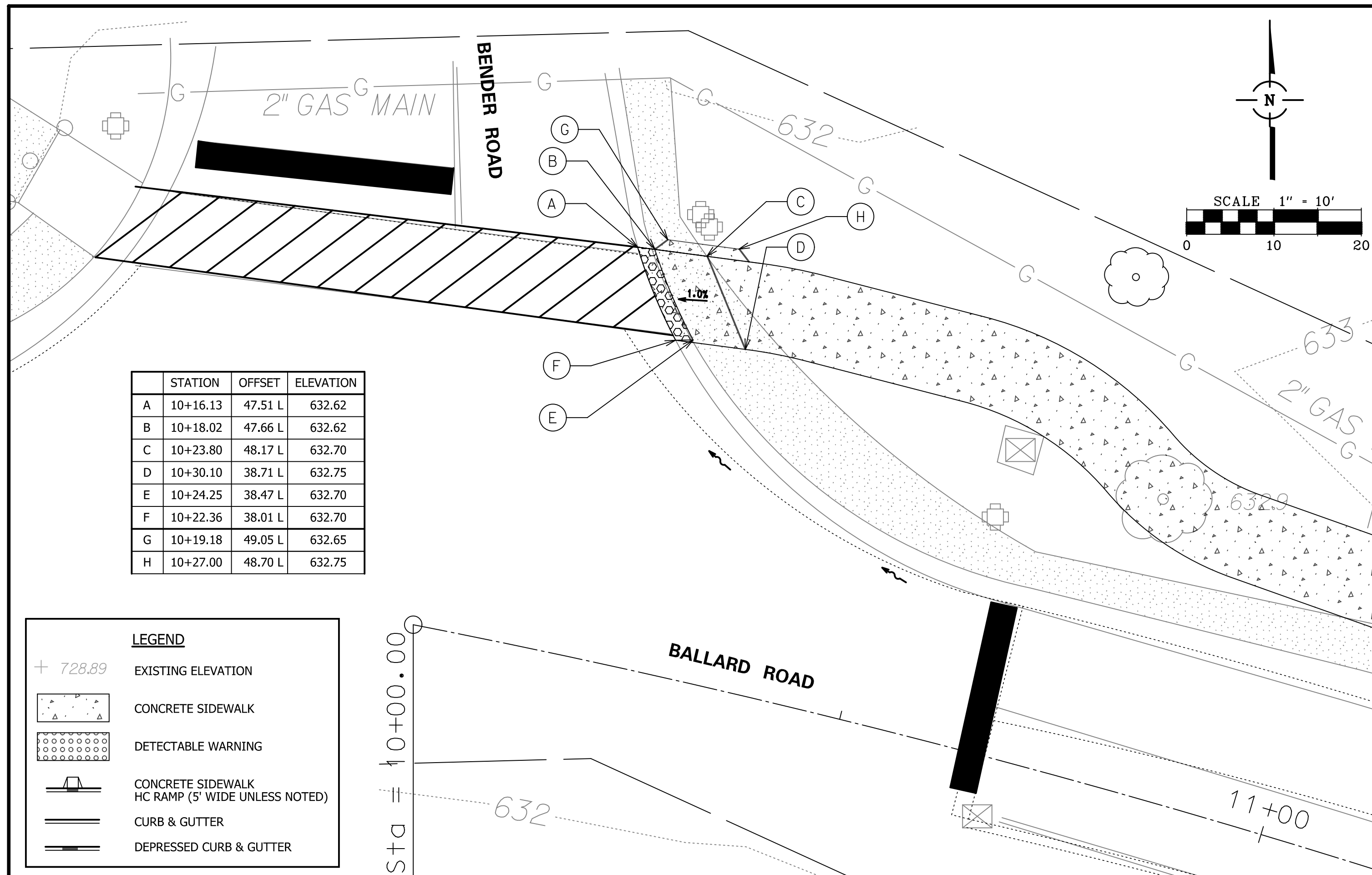
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	PLOT DATE = 2/6/2018	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTER
 - EROSION CONTROL BLANKET
 - TOPSOIL & SEED, CLASS 2A
 - TREE TRUNK PROTECTION
 - TEMPORARY DITCH CHECK



FILE NAME = 6049.03SE03.dgn	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) EROSION AND SEDIMENT CONTROL PLAN - 3	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	CHECKED -	REVISED -			1319	12-00218-00-BT	COOK	35	21
Default	PLOT DATE = 2/6/2018	DATE -	REVISED -	SCALE: 1"= 20' SHEET NO. 21 OF 32 SHEETS STA. 10+00 TO STA. 34+69		CONTRACT NO. 61B91				
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

+ 728.89 EXISTING ELEVATION

CONCRETE SIDEWALK

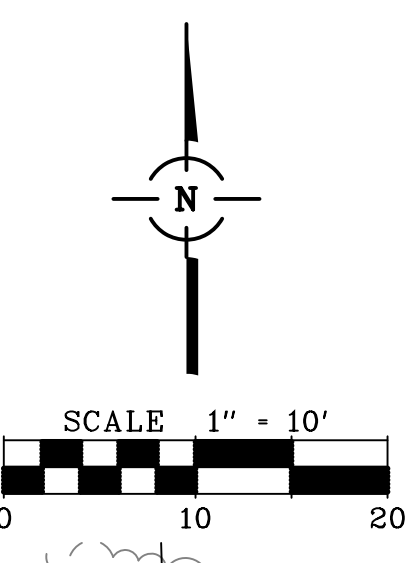
DETECTABLE WARNING

CONCRETE SIDEWALK HC RAMP (5' WIDE UNLESS NOTED)

CURB & GUTTER

DEPRESSED CURB & GUTTER

STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION		
A	27+33.12	24.48 L	630.80	G	27+63.84	29.52 L	630.95
B	27+31.20	24.48 L	630.83	H	27+65.19	29.52 L	630.98
C	27+27.20	24.48 L	000.00	I	27+75.03	29.52 L	630.95
D	27+27.19	29.48 L	631.25	J	27+75.04	24.52 L	630.00
E	27+34.64	29.48 L	630.78	K	27+67.55	24.52 L	631.03
F	27+36.35	29.48 L	630.75	L	27+66.01	24.52 L	631.00



LEGEND

+ 728.89 EXISTING ELEVATION

CONCRETE SIDEWALK

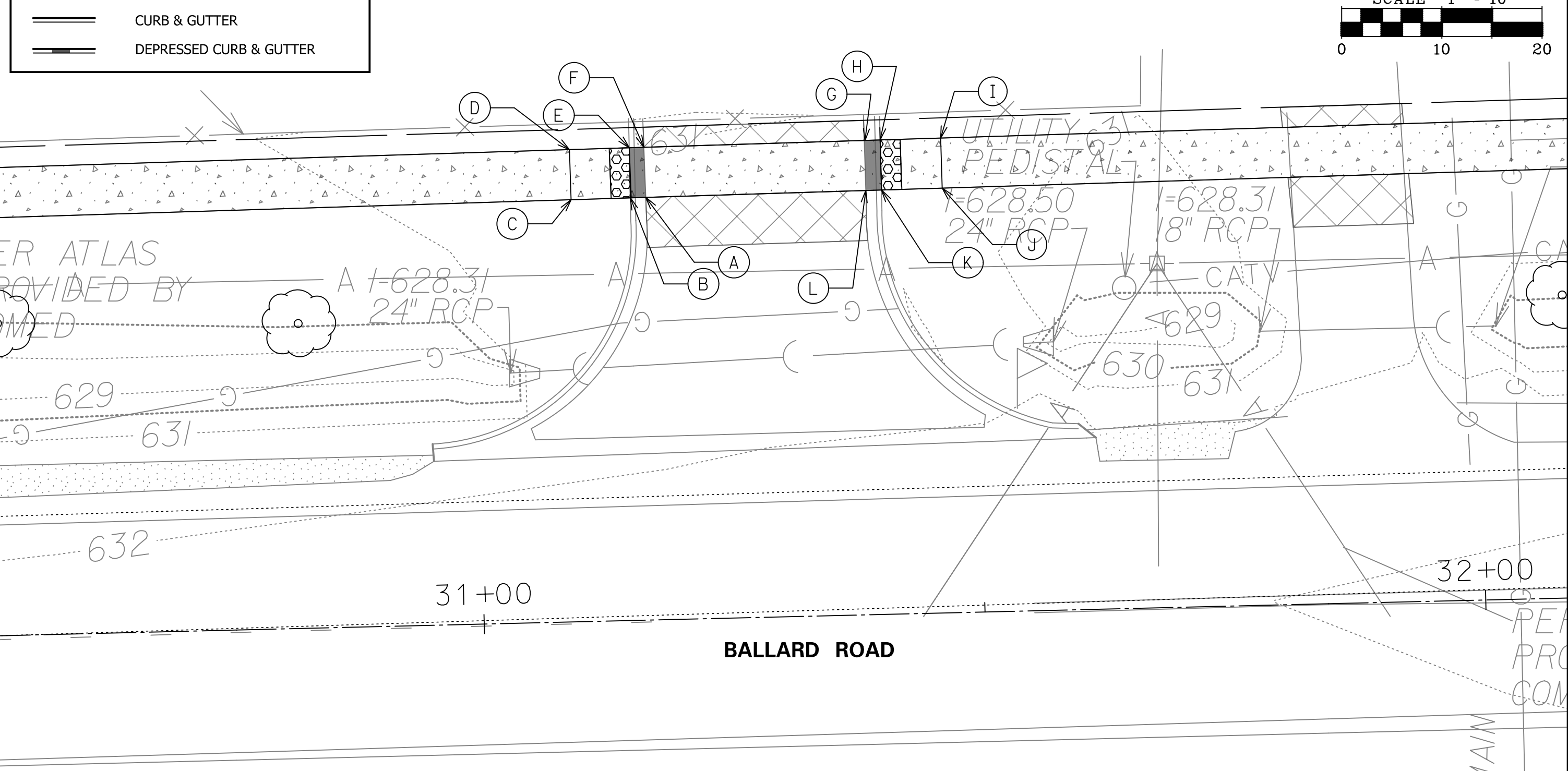
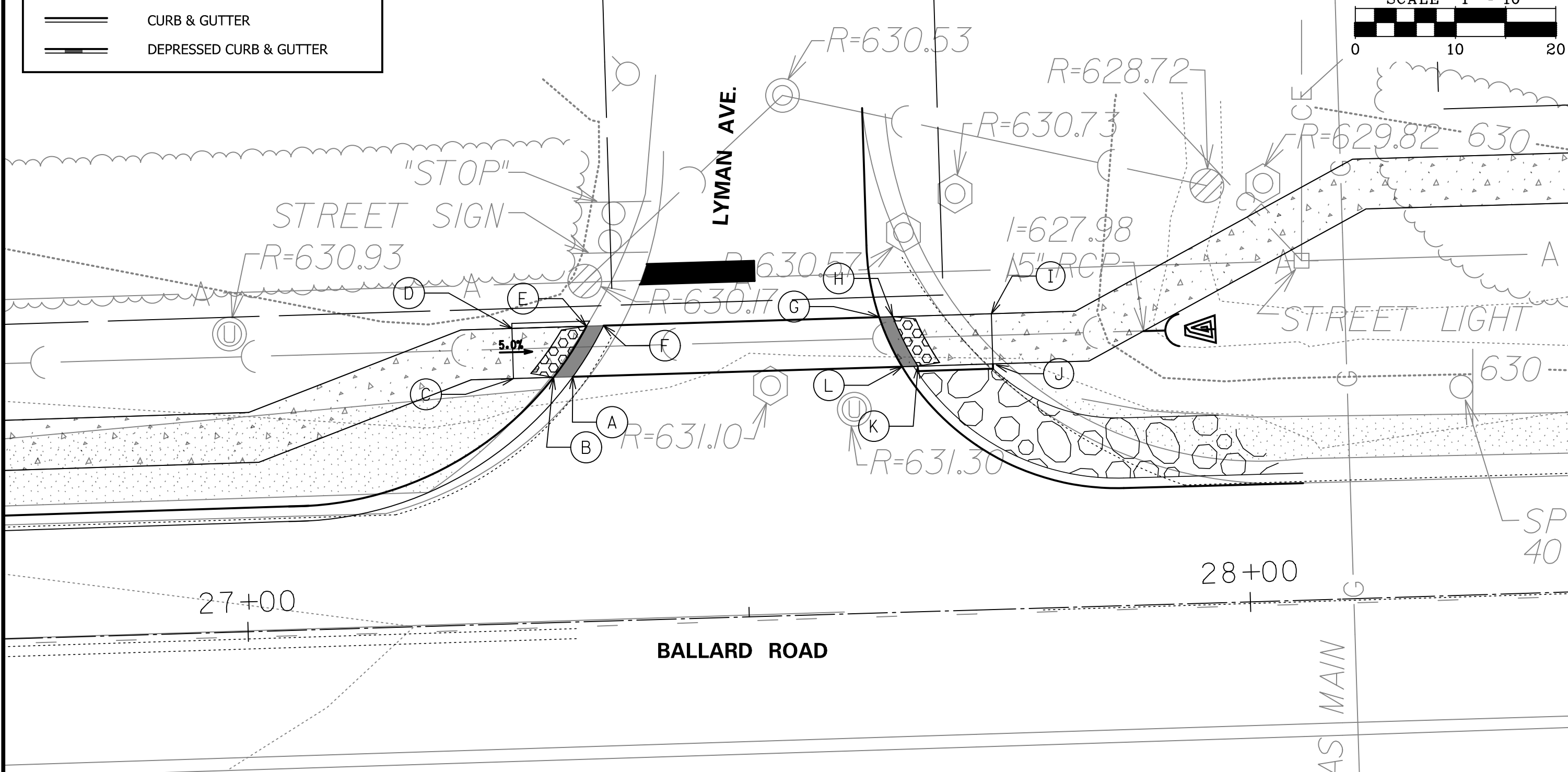
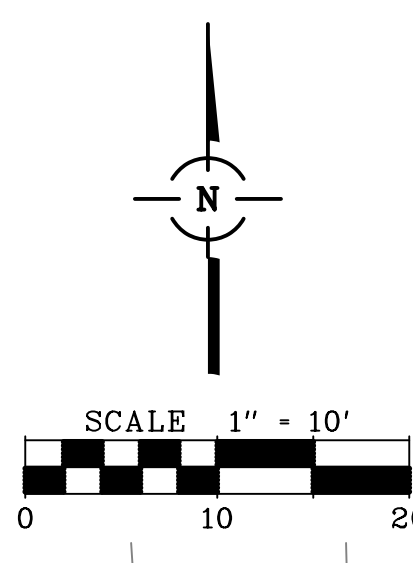
DETECTABLE WARNING

CONCRETE SIDEWALK HC RAMP (5' WIDE UNLESS NOTED)

CURB & GUTTER

DEPRESSED CURB & GUTTER

STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION		
A	31+17.14	42.23 L	631.07	G	31+39.08	47.38 L	631.08
B	31+15.60	42.23 L	631.10	H	31+40.67	47.40 L	631.11
C	31+09.67	42.18 L	631.15	I	31+46.71	47.44 L	631.25
D	31+19.64	47.17 L	631.15	J	31+46.74	42.44 L	631.25
E	31+15.61	47.22 L	631.02	K	31+40.68	42.37 L	631.18
F	31+17.07	47.23 L	631.00	L	31+39.12	42.38 L	631.15



LEGEND

+ 728.89 EXISTING ELEVATION

CONCRETE SIDEWALK

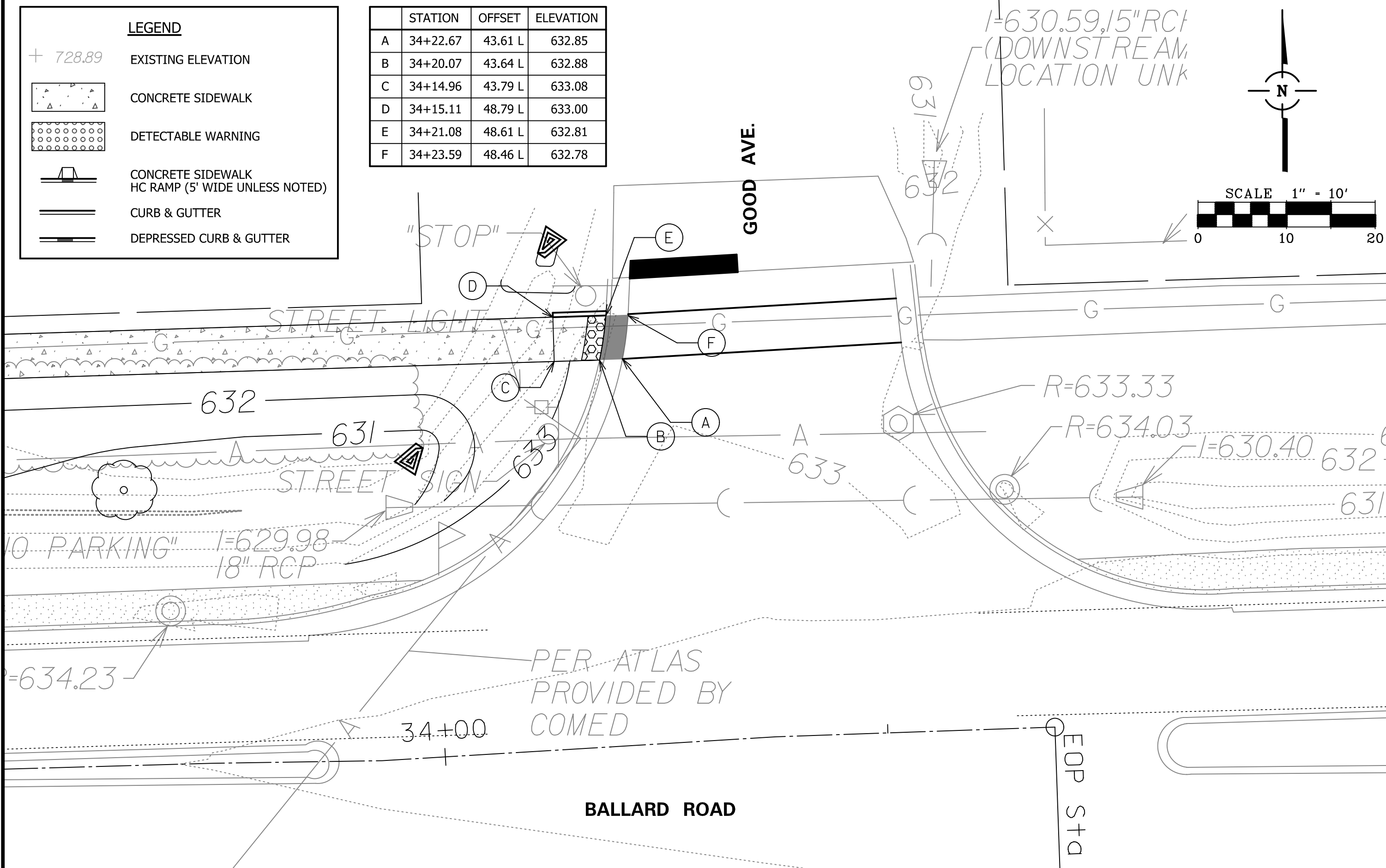
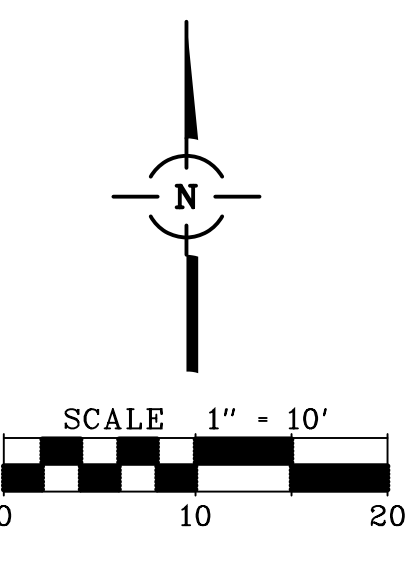
DETECTABLE WARNING

CONCRETE SIDEWALK HC RAMP (5' WIDE UNLESS NOTED)

CURB & GUTTER

DEPRESSED CURB & GUTTER

STATION	OFFSET	ELEVATION	
A	34+22.67	43.61 L	632.85
B	34+20.07	43.64 L	632.88
C	34+14.96	43.79 L	633.08
D	34+15.11	48.79 L	633.00
E	34+21.08	48.61 L	632.81
F	34+23.59	48.46 L	632.78



FILE NAME = 6049.03RAMP02.dgn
Default

USER NAME = mluba
PLOT SCALE = 1:10
PLOT DATE = 2/6/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

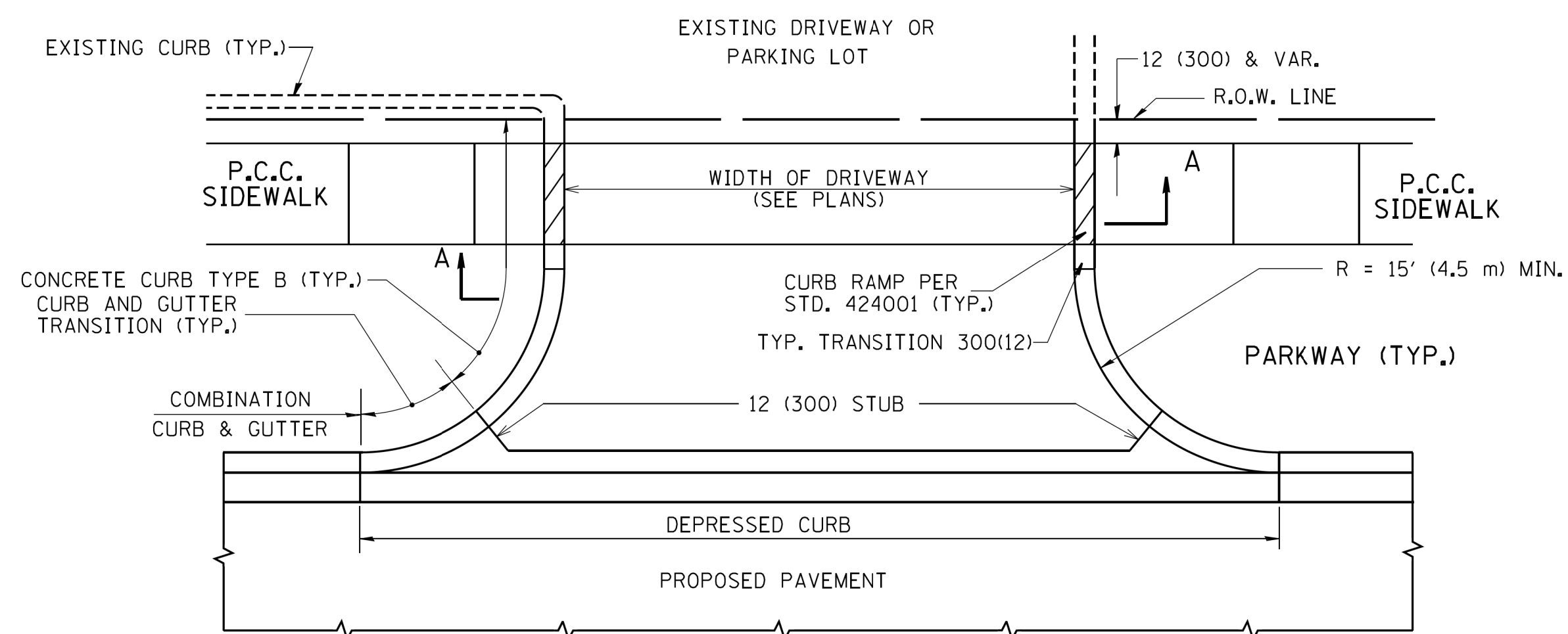
REVISED -
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

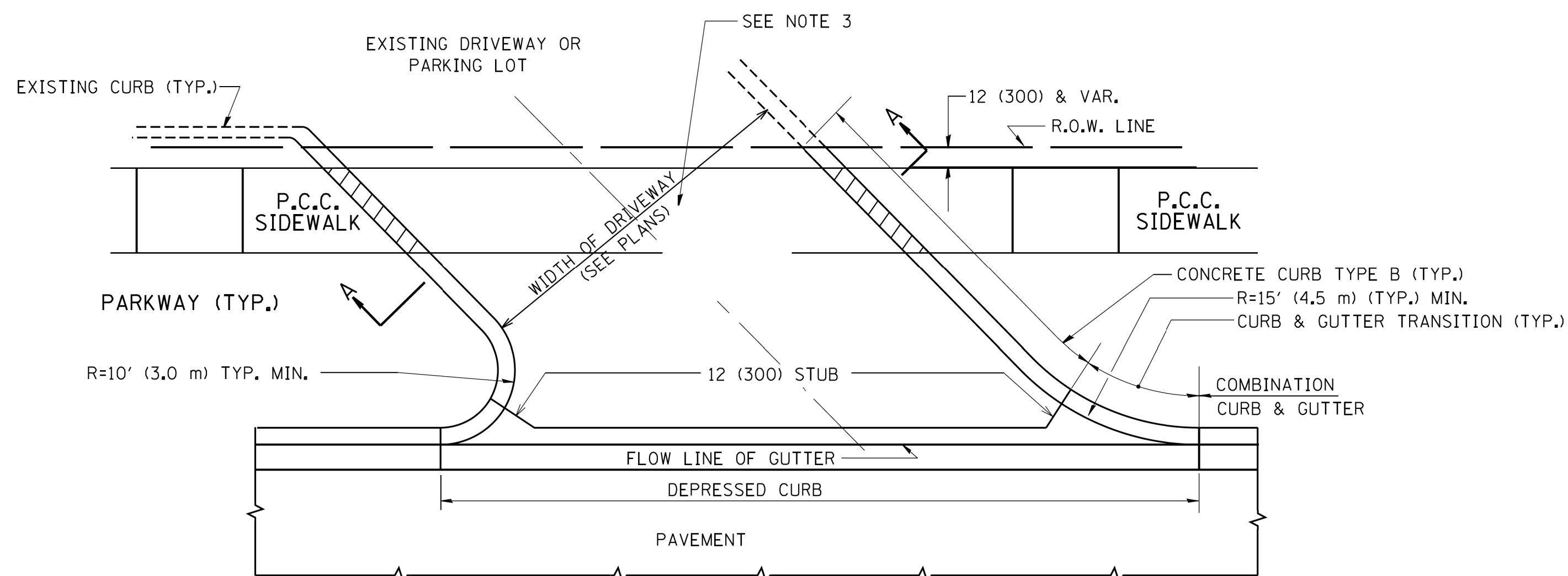
BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
SCALE: SHEET NO. OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	23

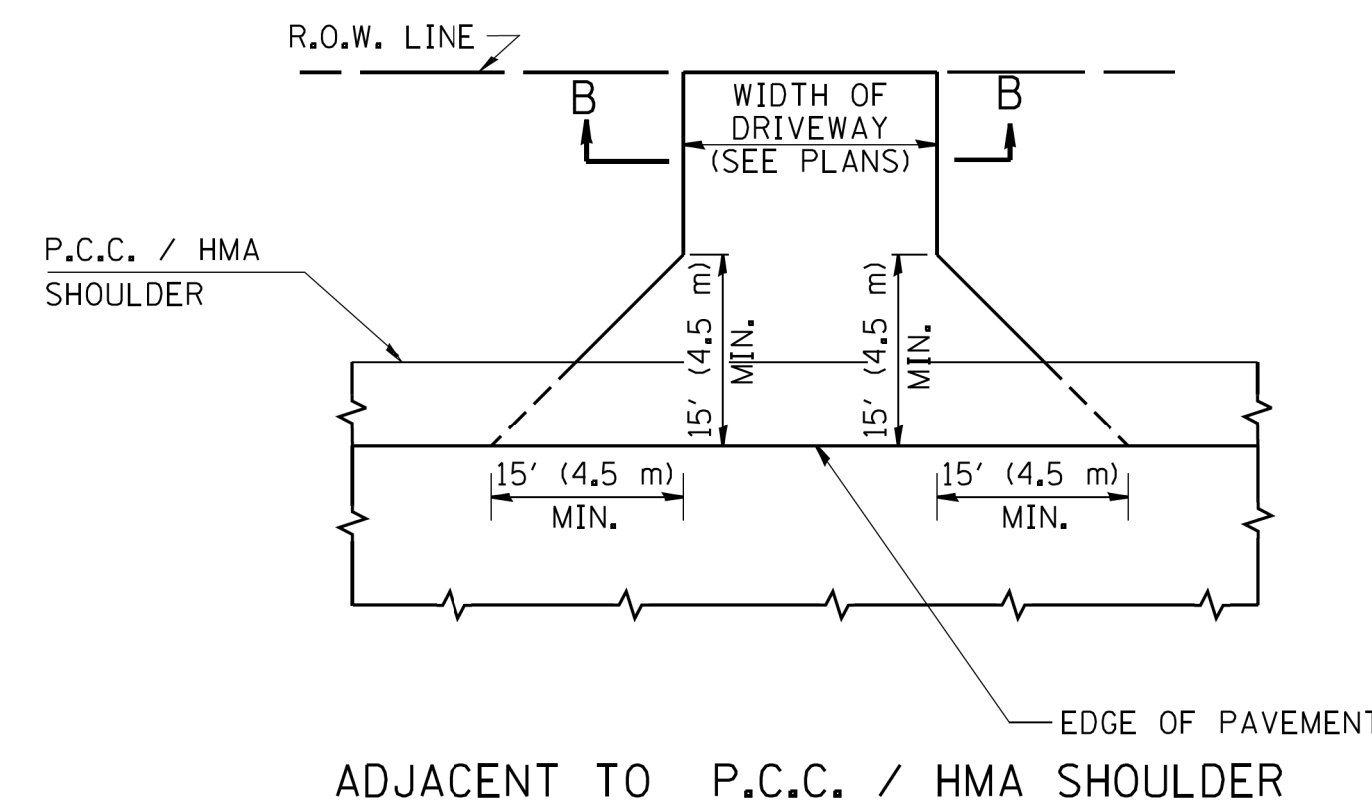
CONTRACT NO. 61B91
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



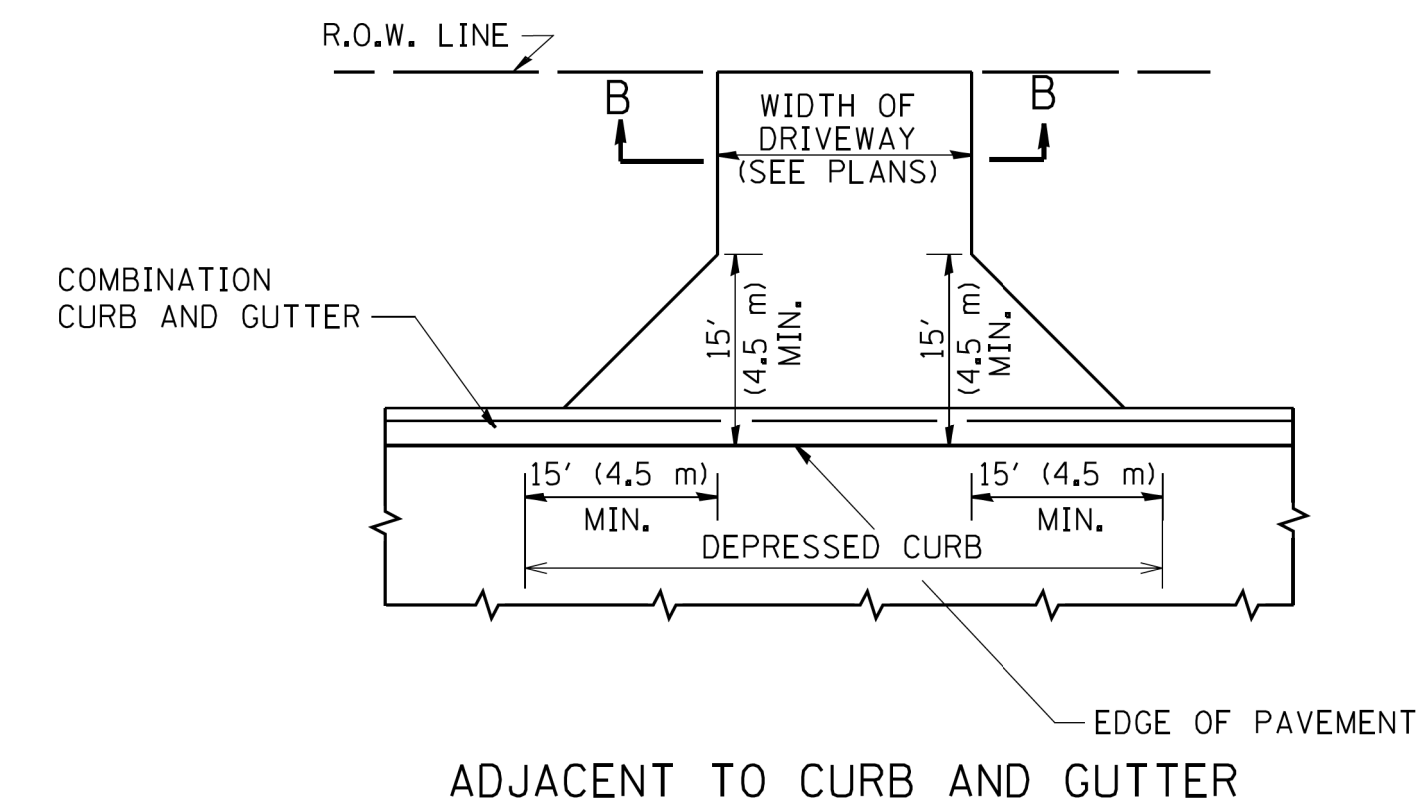
WITH CONCRETE CURB, TYPE B



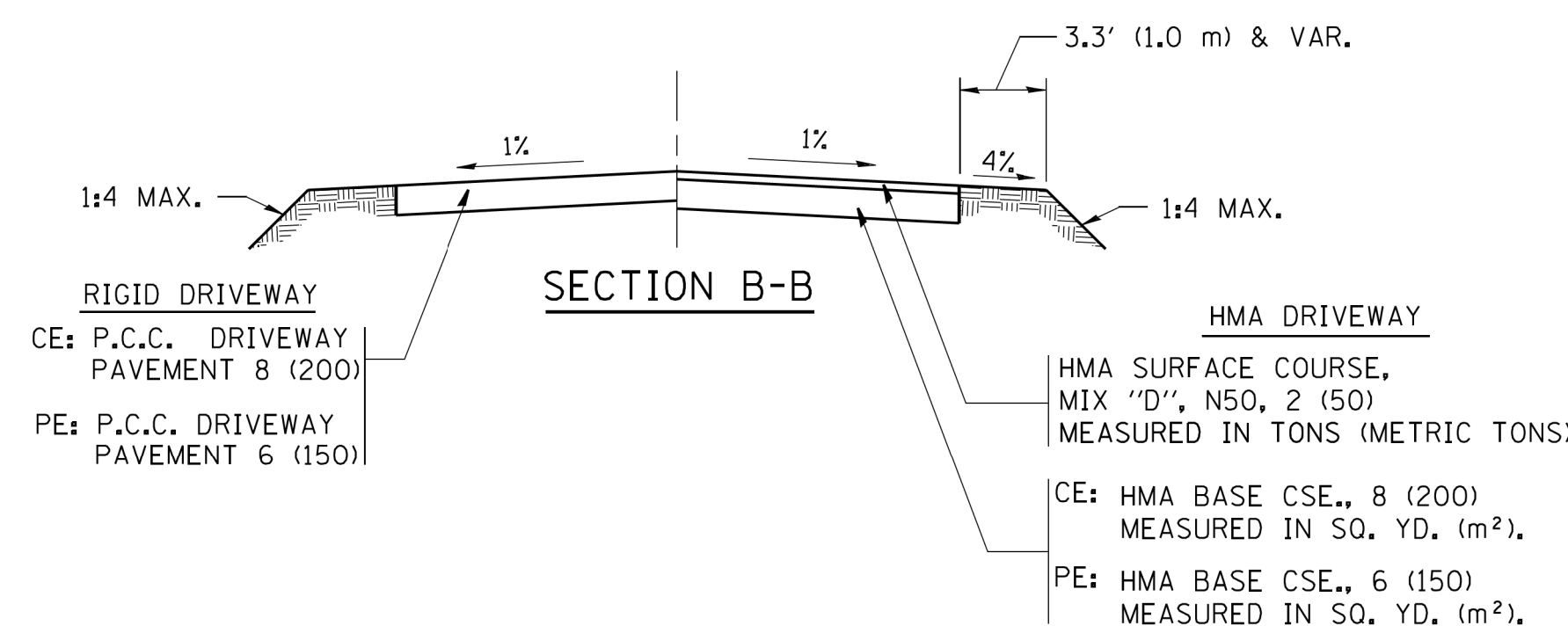
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

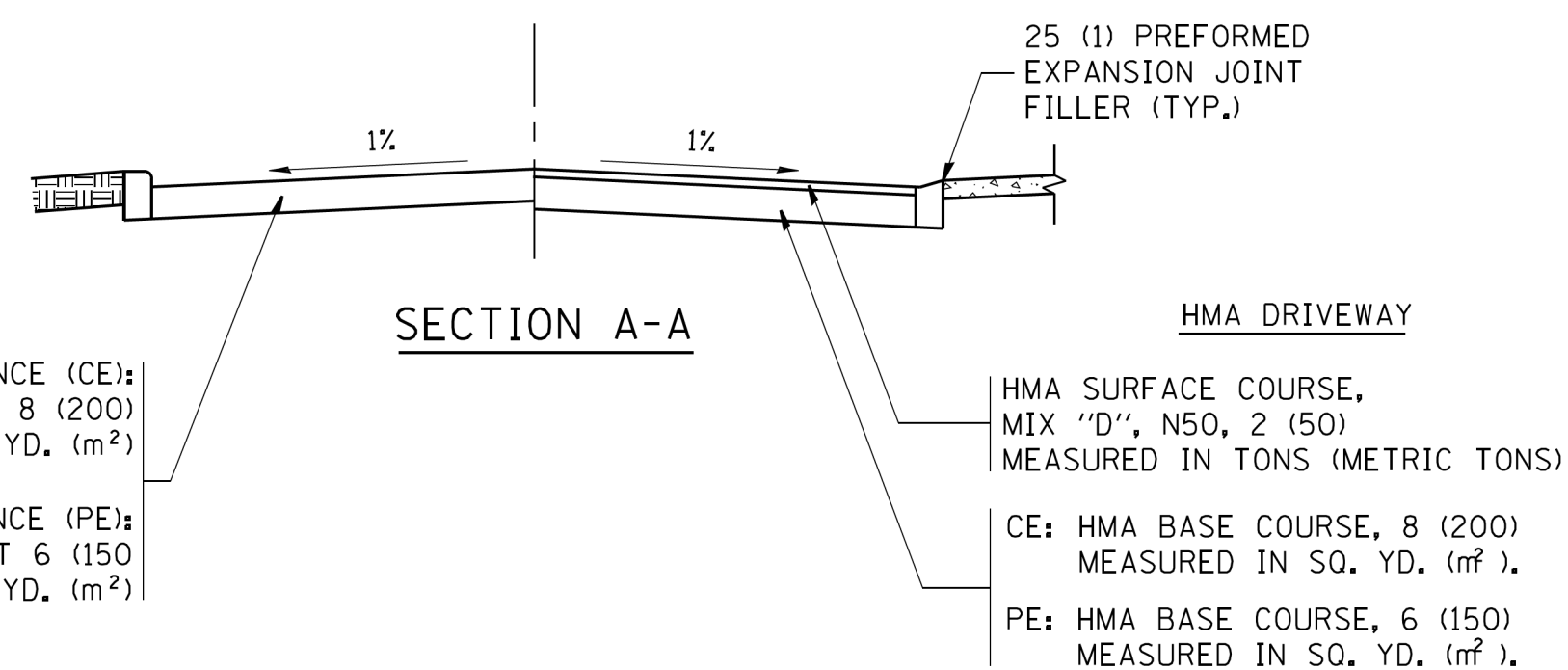
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

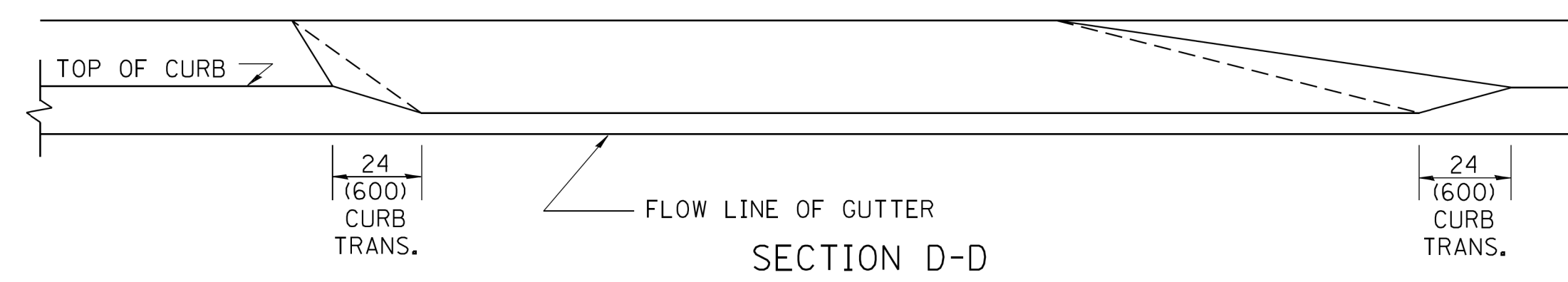
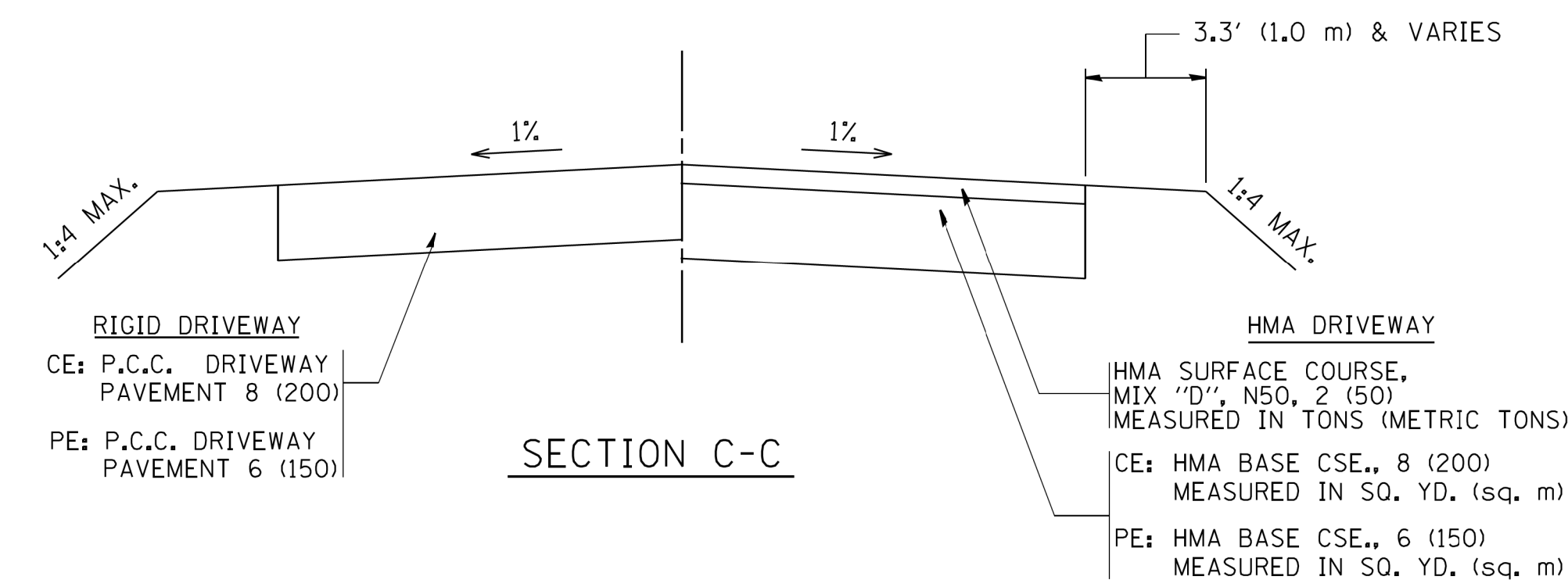
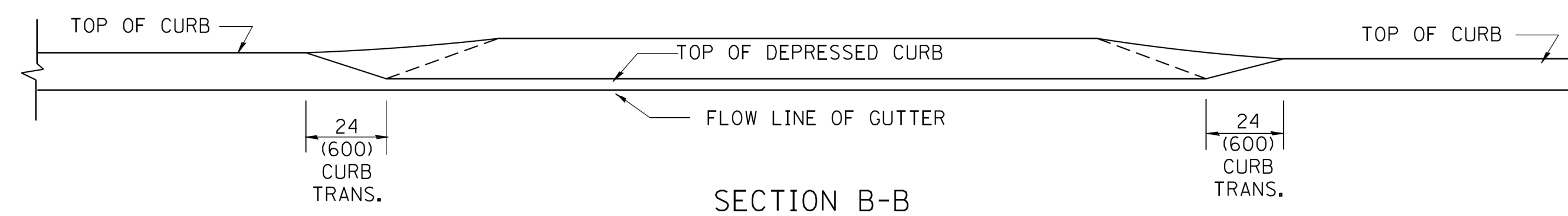
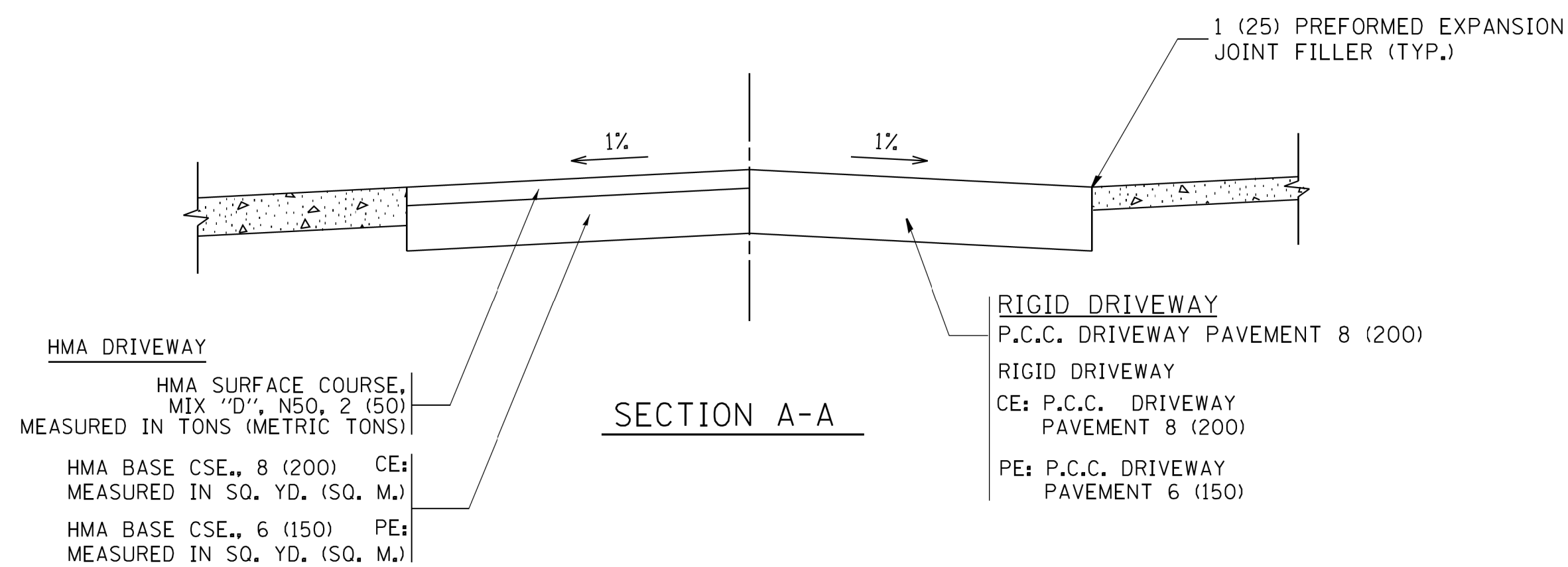
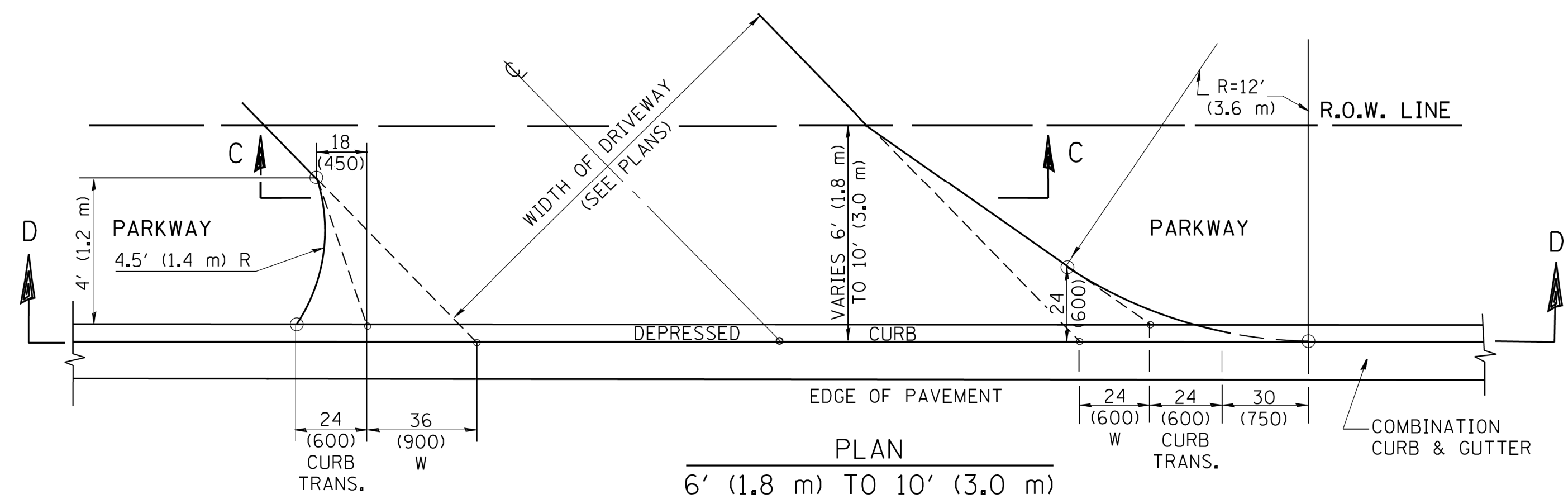
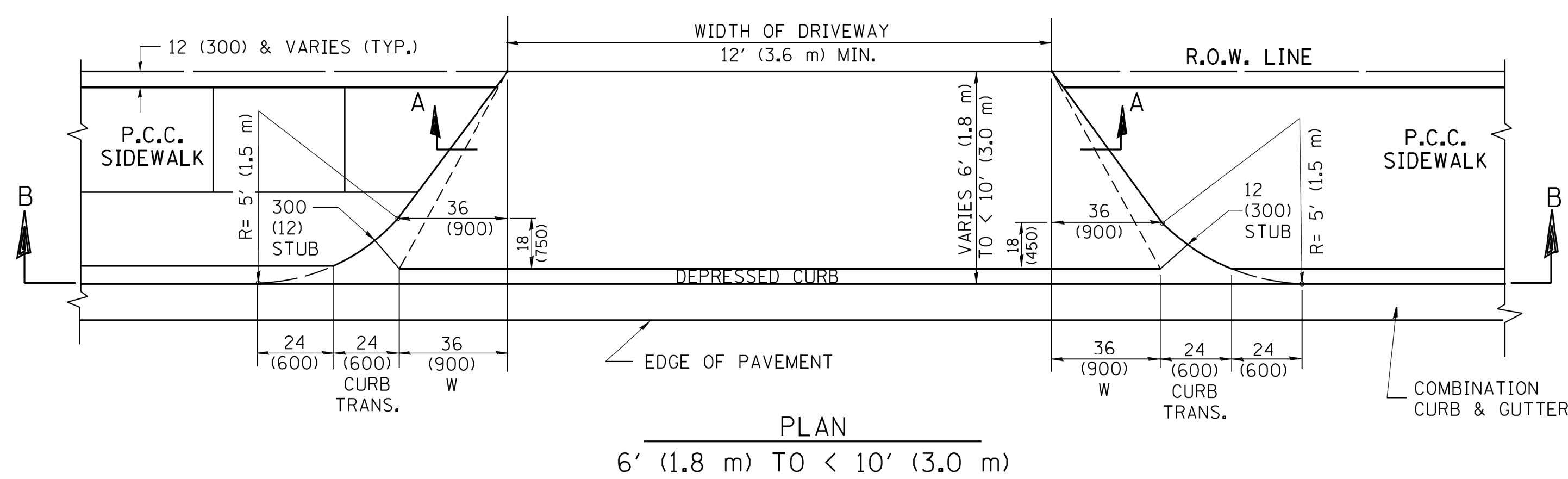
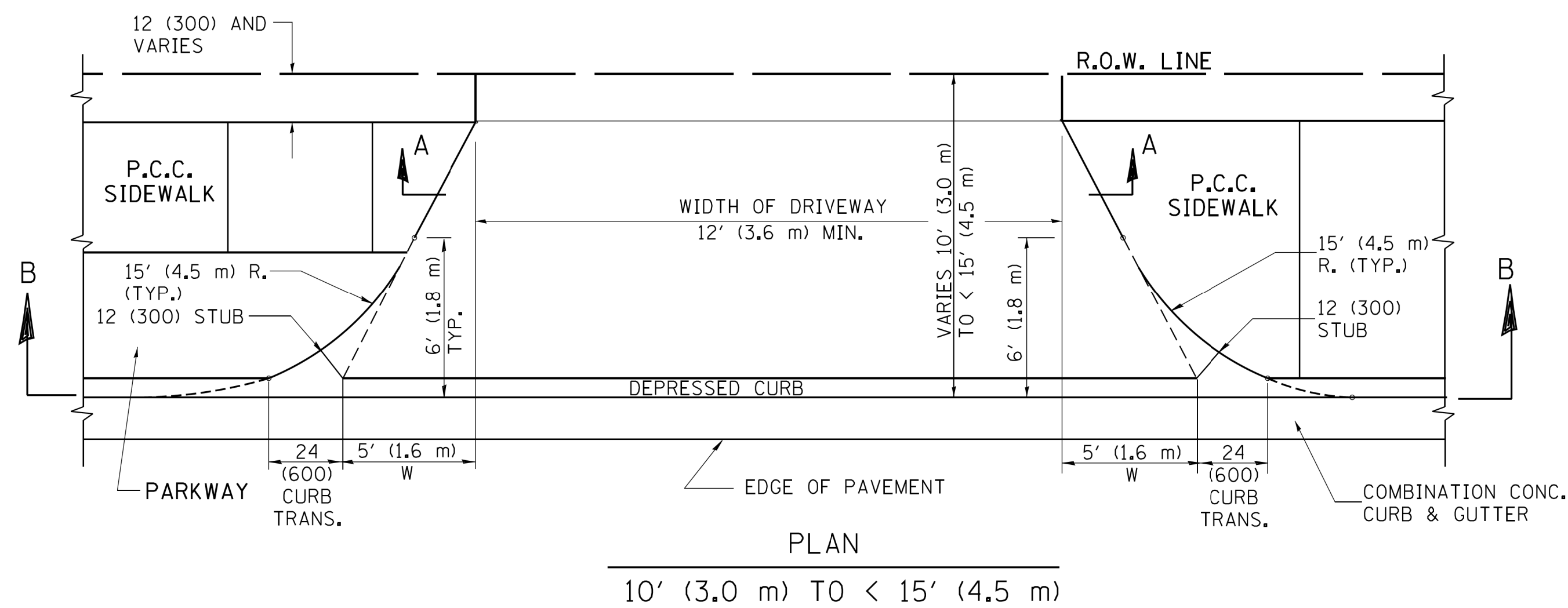


FILE NAME = 6049.03det01.dgn	USER NAME = mluba	DESIGNED - R. SHAH	REVISED - P. LAFLEUR 04-15-03
		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15'(4.5 m)	
SCALE:	SHEET NO. 22 OF 32 SHEETS
STA. 10+00 TO STA. 34+69	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	24
BD0156-07 (BD-01)		CONTRACT NO. 61B91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME = 6049.03det02.dgn	USER NAME = mluba	DESIGNED - R. SHAH	REVISED - M. GOMEZ 01-22-01
		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 1:1.000003	CHECKED -	REVISED - R. BORO 01-01-07
Default	PLOT DATE = 2/6/2018	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15'(4.5 m)

SCALE: SHEET NO. 23 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	25
BD400-02 (BD02)		CONTRACT NO. 61B91		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

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

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

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

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

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

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

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

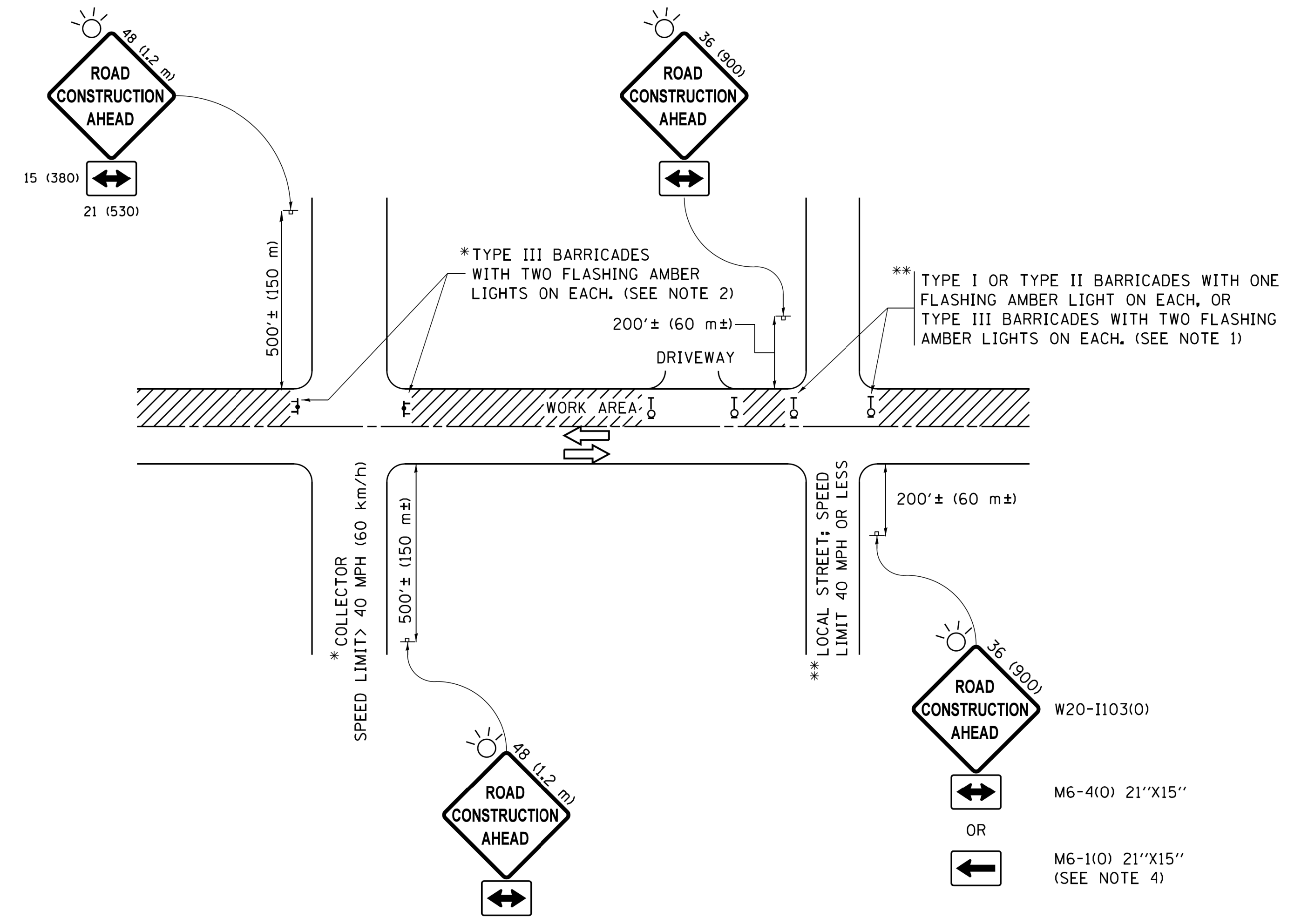
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = 604903det03.dgn	USER NAME = mluba	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN -	REVISED - A. ABBAS 03-21-97			1319	12-00218-00-BT	COOK	35	26	
		PLOT SCALE = 1:1.000003	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD24)		CONTRACT NO. 61B91			
		PLOT DATE = 2/6/2018	REVISED - R. BORO 12-15-09			SCALE:	SHEET NO. 24 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	FED. ROAD DIST. NO. 1 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.

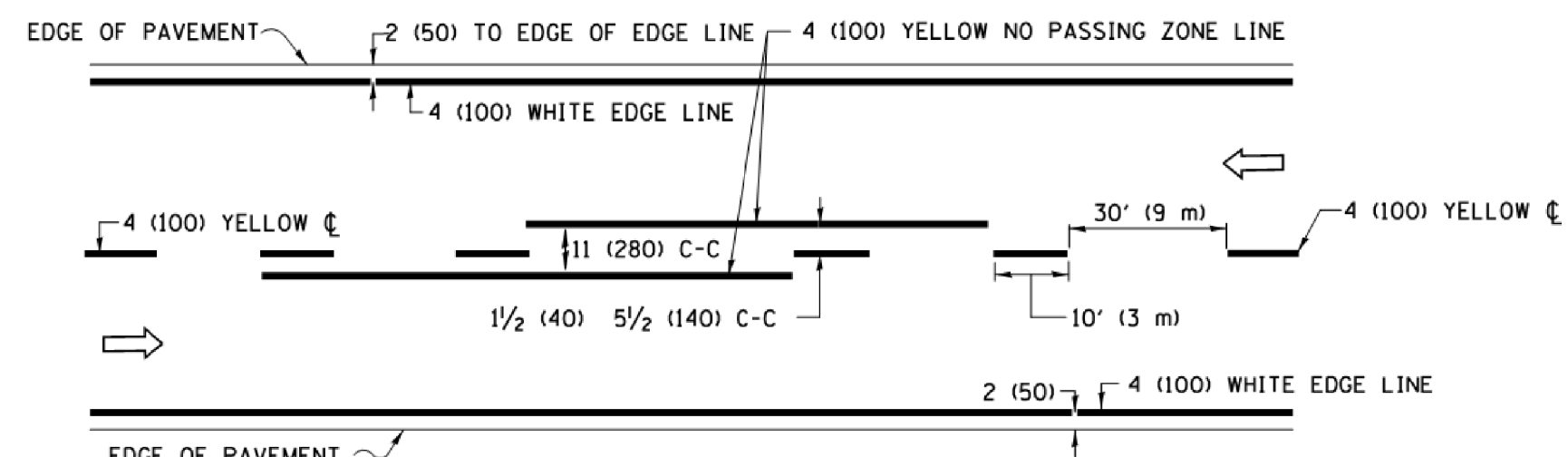
FILE NAME =	USER NAME = mluba	DESIGNED - LHA	REVISED - A. HOUSEH 10-15-96
6049.03det04.dgn		DRAWN -	REVISED - T. RAMMACHER 01-06-00
Default		PLOT SCALE = 1:1.000003	REVISED - A. SCHUETZE 07-01-13
		PLOT DATE = 2/6/2018	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

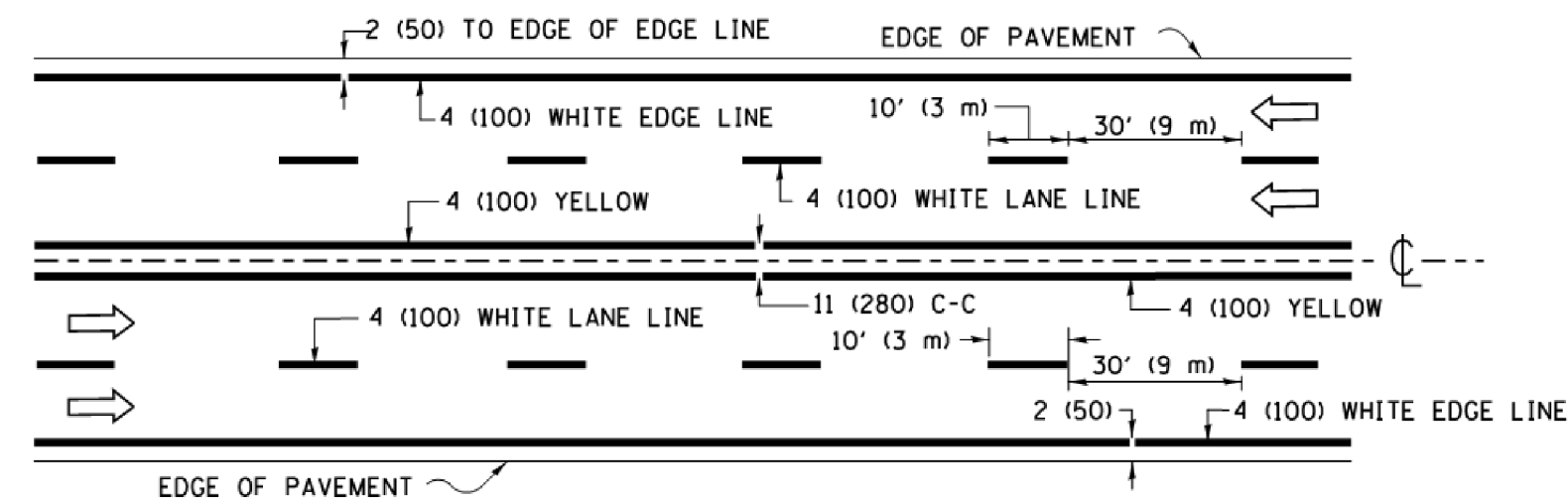
**DETAIL FOR TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: SHEET NO. 25 OF 32 SHEETS STA. 10+00 TO STA. 34+69

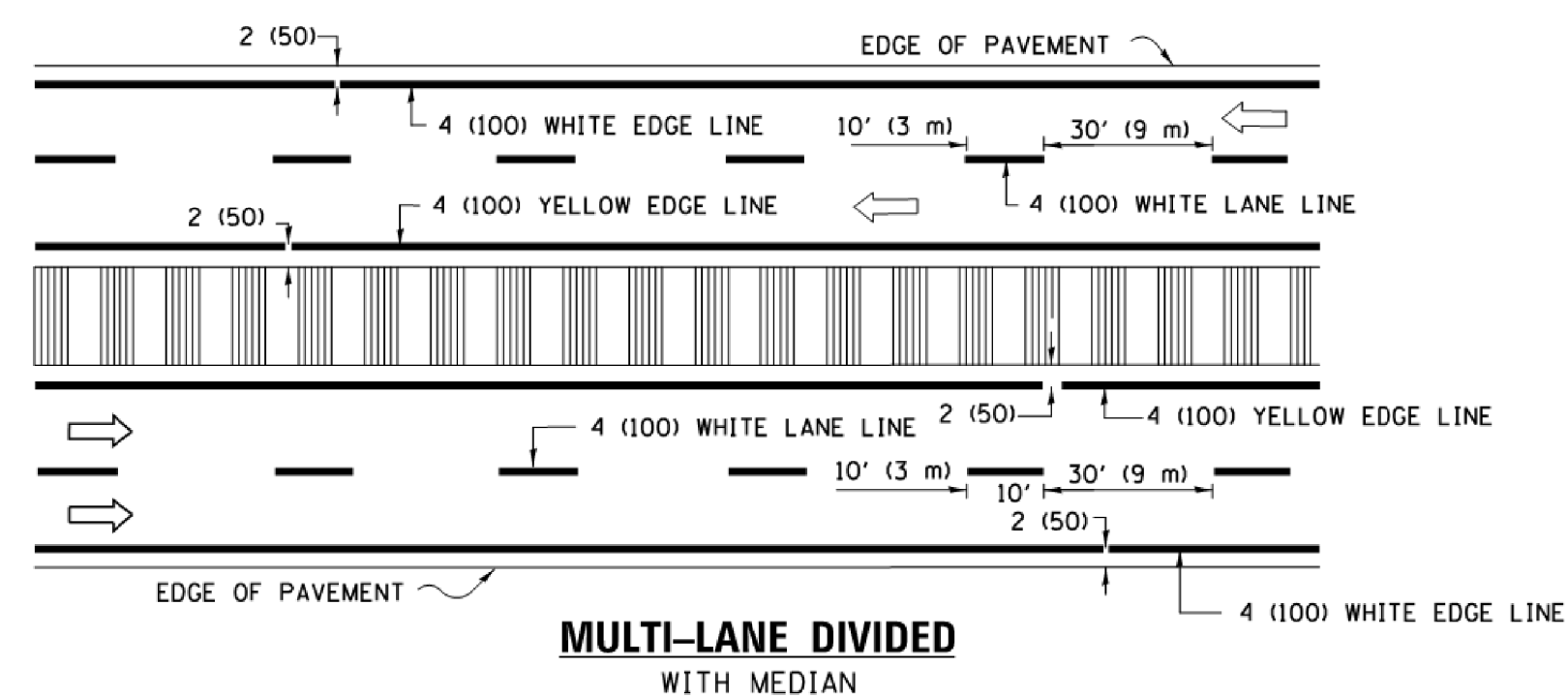
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	27
TC-10			CONTRACT NO. 61B91	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



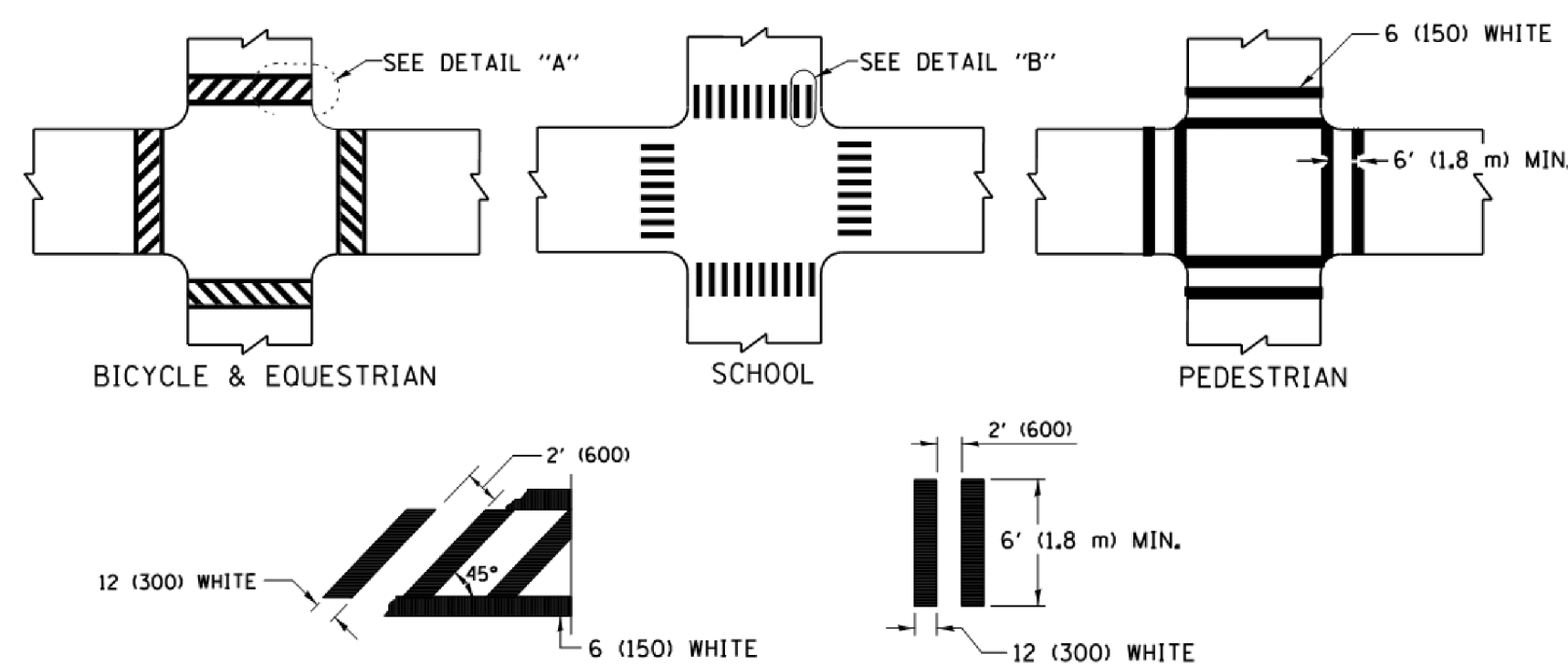
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

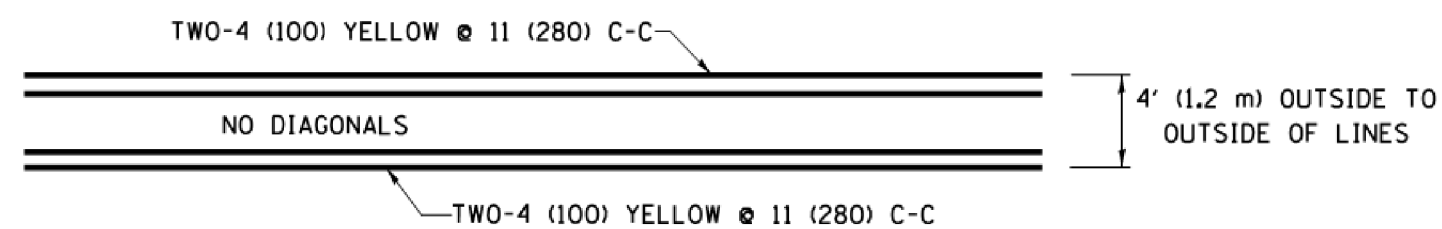


TYPICAL LANE AND EDGE LINE MARKING

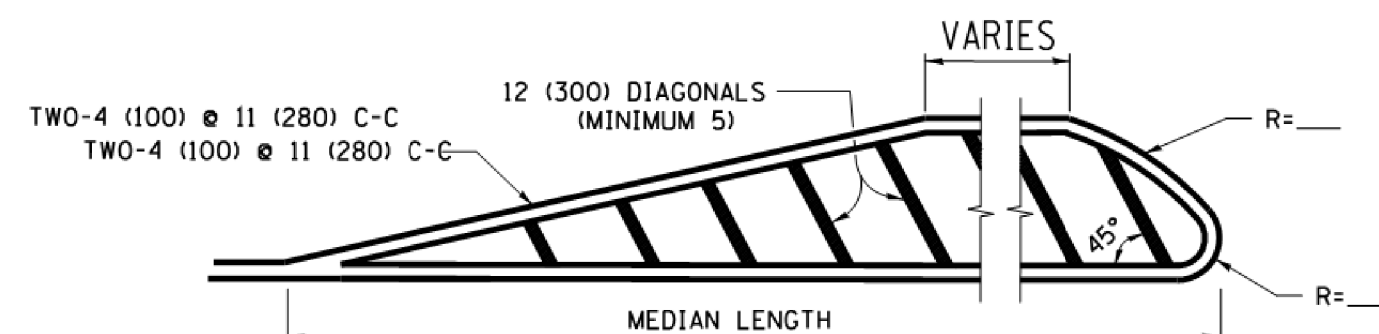


DETAIL "A" DETAIL "B" TYPICAL CROSSWALK MARKING

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



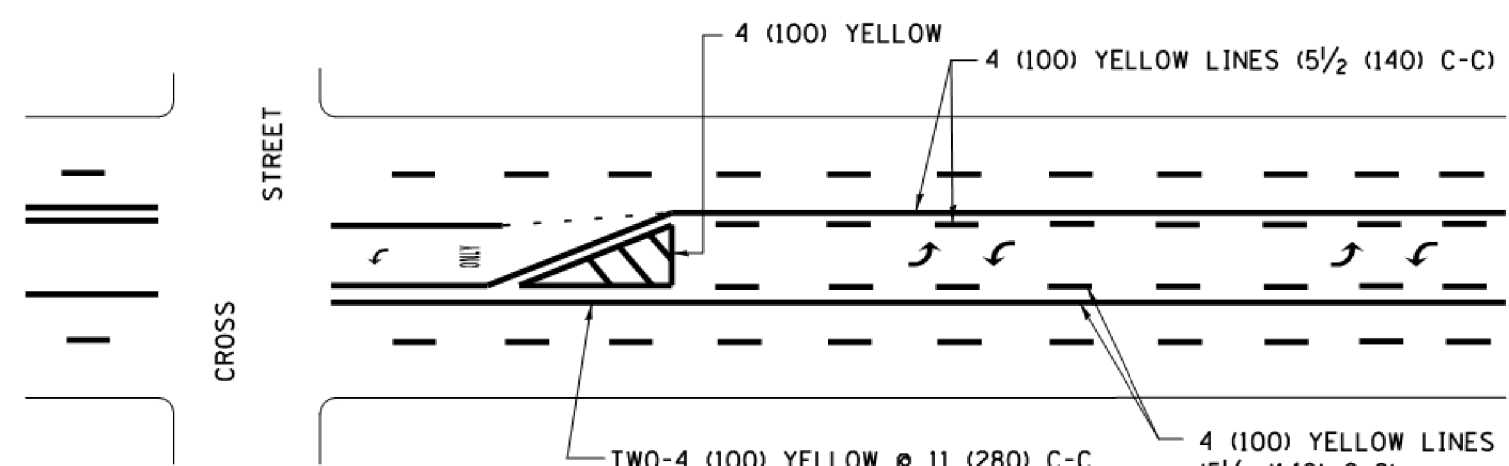
4' (1.2 m) WIDE MEDIANS ONLY



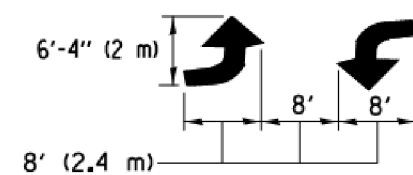
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

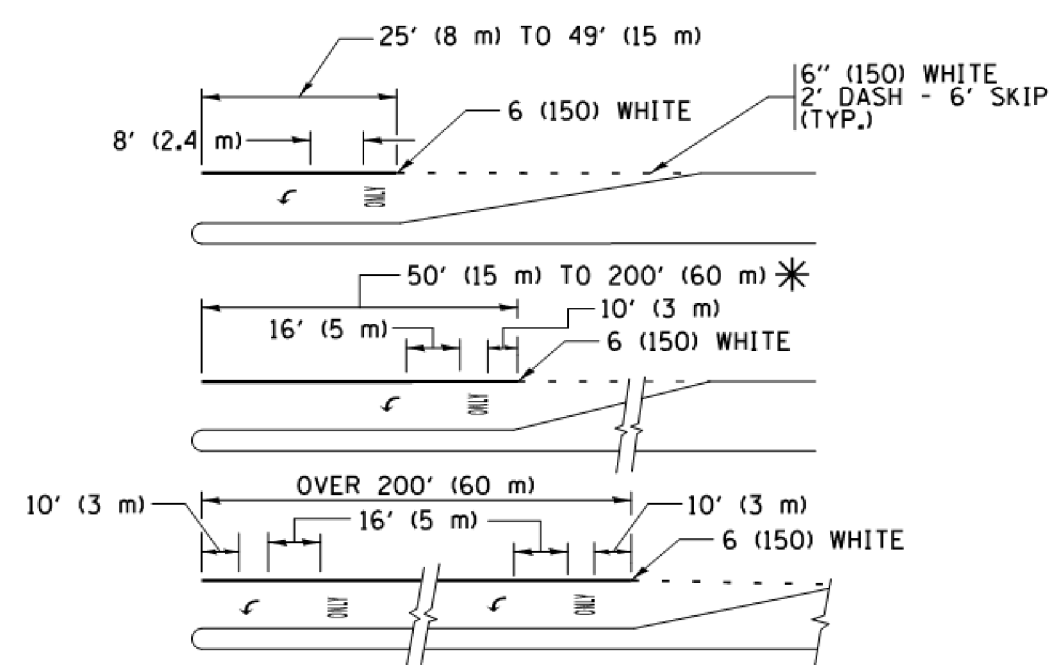


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

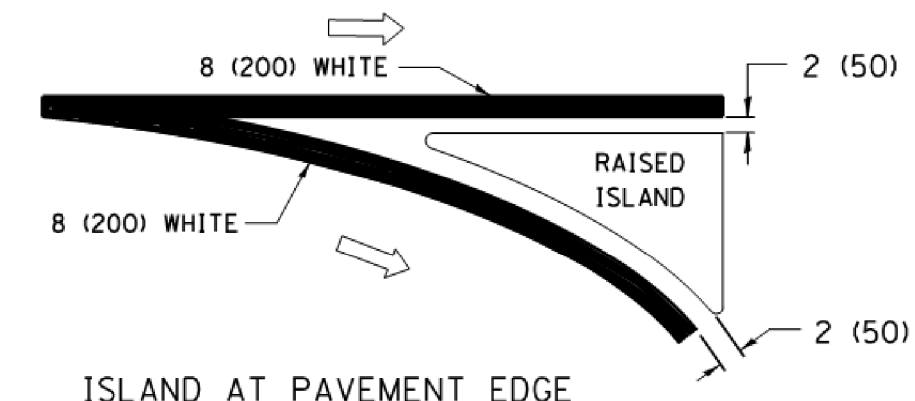
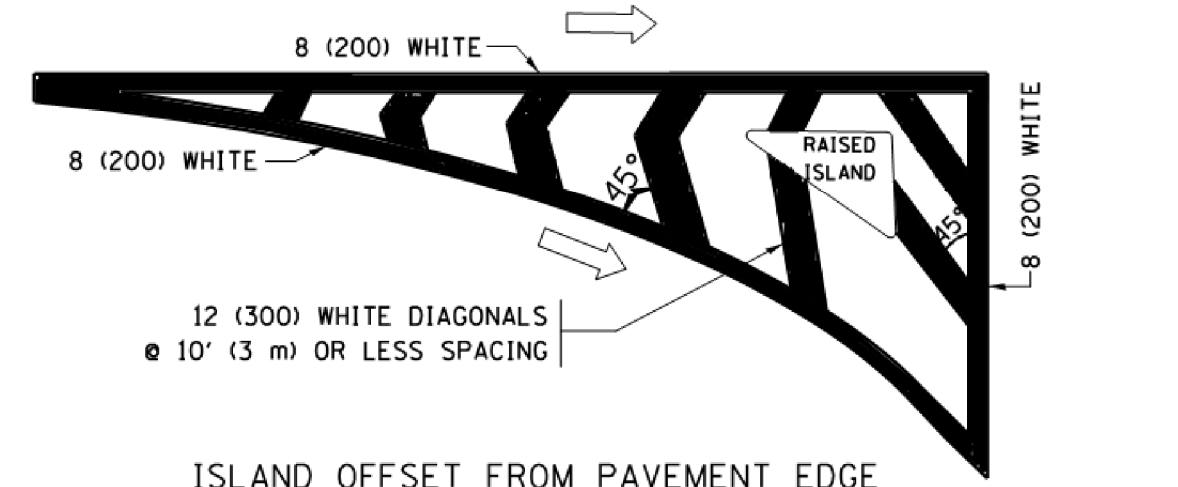


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

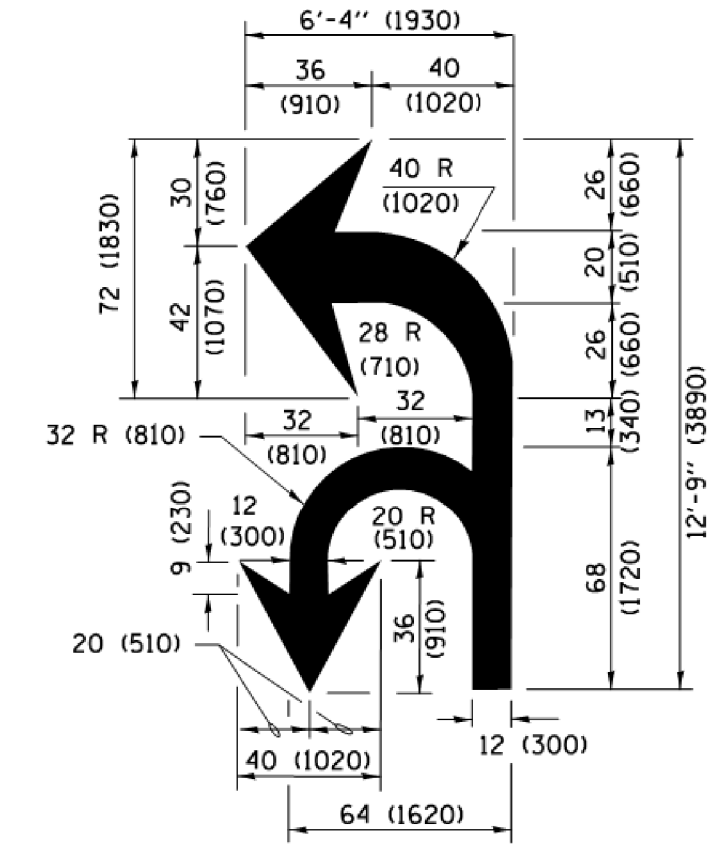
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

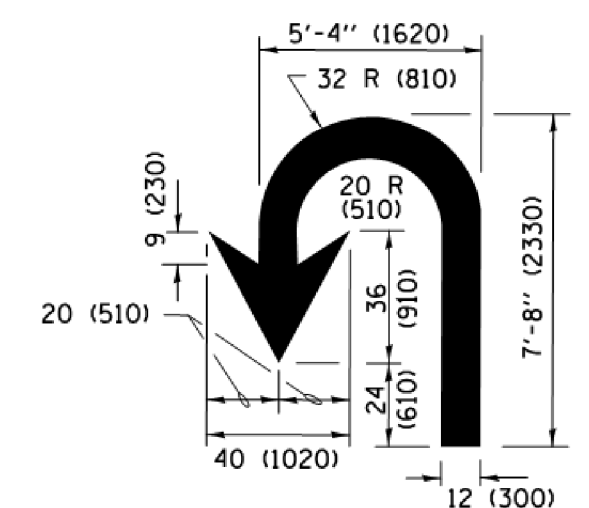
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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	5/2 (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 5/2 (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" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (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.

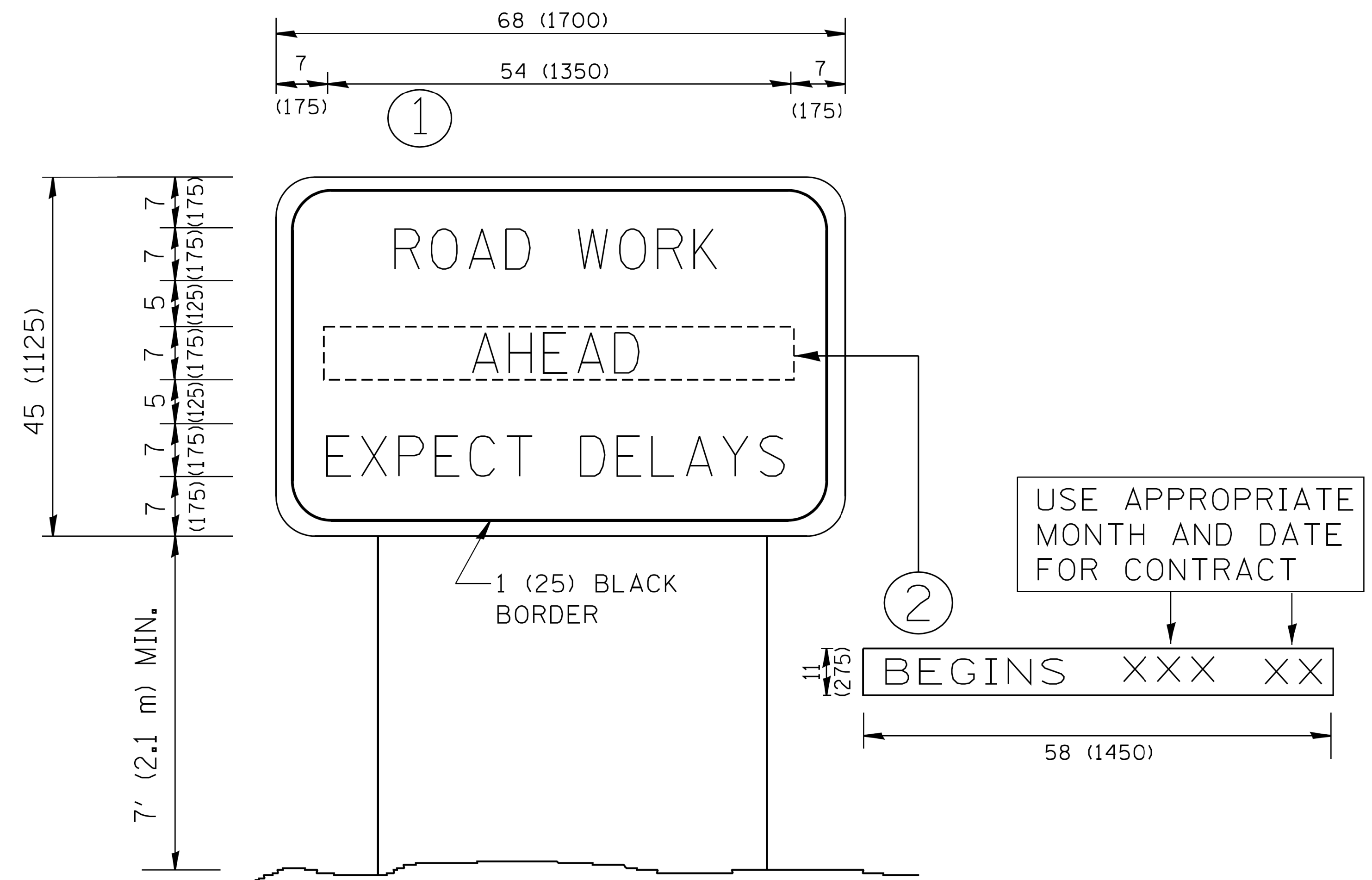
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		DRAWN -	REVISED - C. JUCIUS 07-01-13
		CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: SHEET NO. 26 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	28
TC-13			CONTRACT NO. 61B91	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

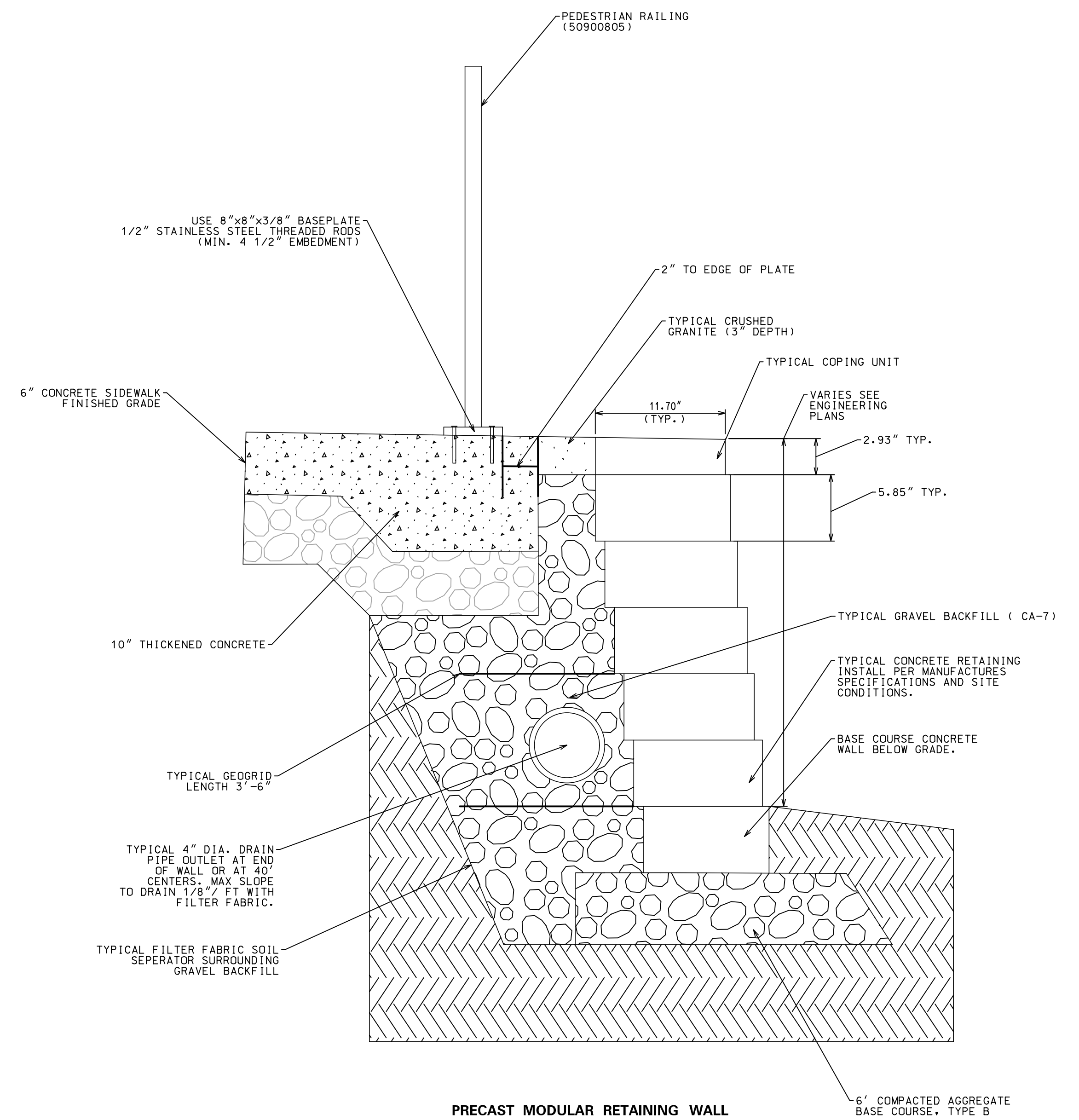


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME =	USER NAME = mluba	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL FOR ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6049.03det06.dgn		DRAWN -	REVISED - R. MIRS 12-11-97		SCALE:	SHEET NO. 27 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	1319	12-00218-00-BT	COOK	35	29
Default		PLOT SCALE = 1:1.000003	REVISED - T. RAMMACHER 02-02-99					TC-22		CONTRACT NO. 61B91		
		PLOT DATE = 2/6/2018	REVISED - C. JUCIUS 01-31-07					FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



NOTE:
 1. EMBEDMENT SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATION.
 2. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED.

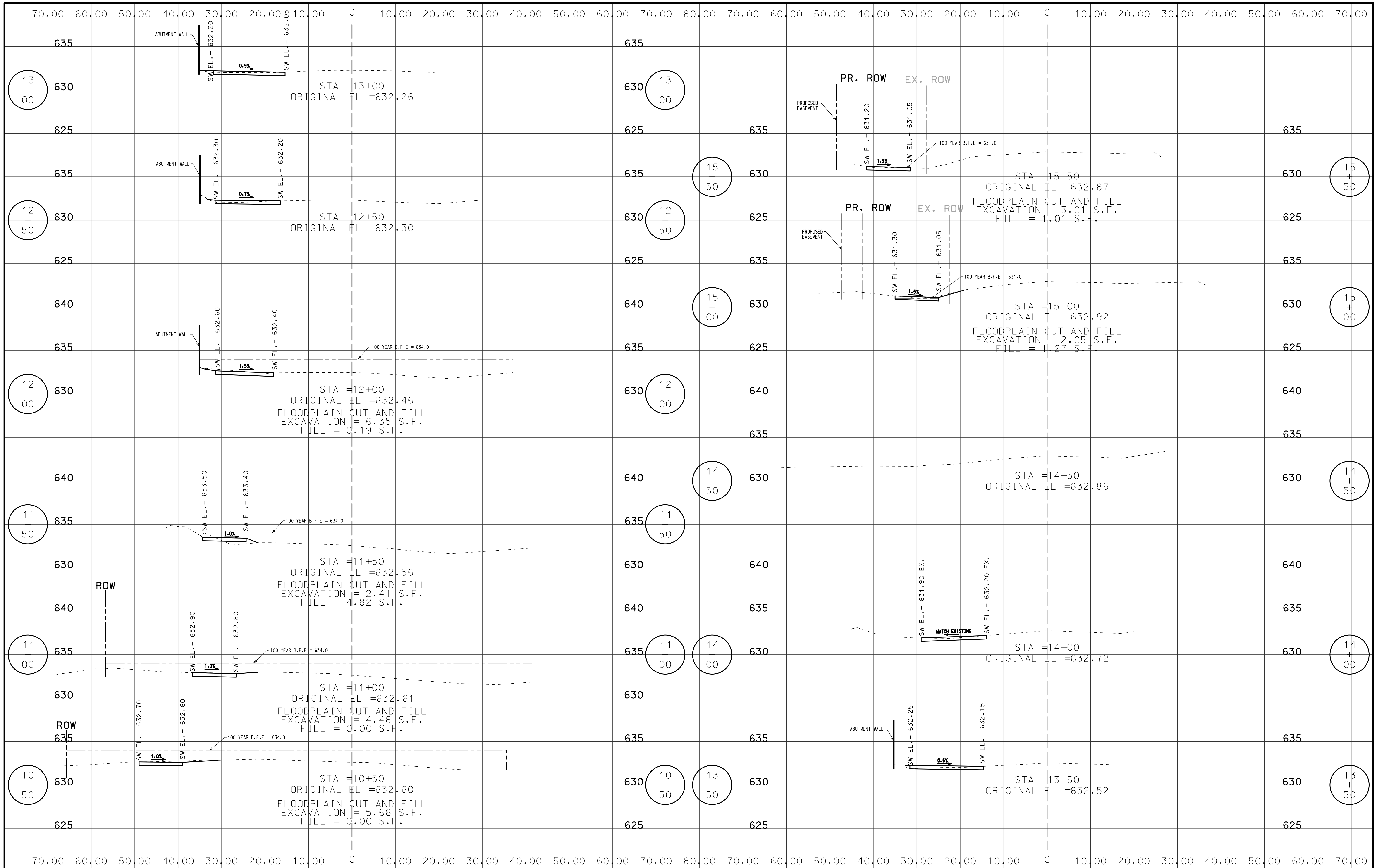
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Default		PLOT SCALE = 1:1.000003	REVISED - R. BORO 06-11-08
		CHECKED -	REVISED - R. BORO 09-06-11
		PLOT DATE = 2/6/2018	DATE - 11-04-95

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SITE DETAILS

SCALE: SHEET NO. 22 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	30
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



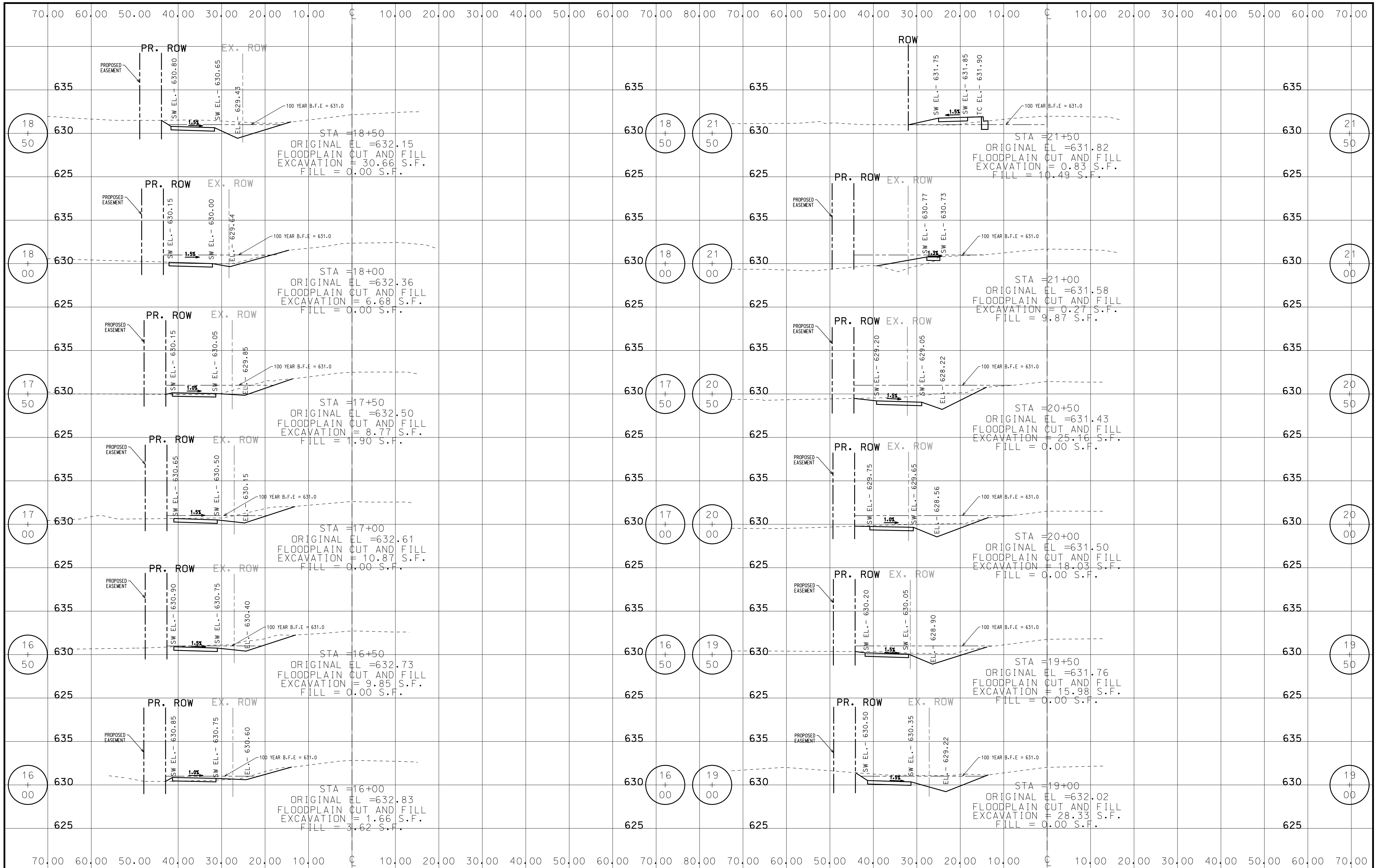
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
CROSS SECTION - 1**

SCALE: SHEET NO. 28 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	31
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



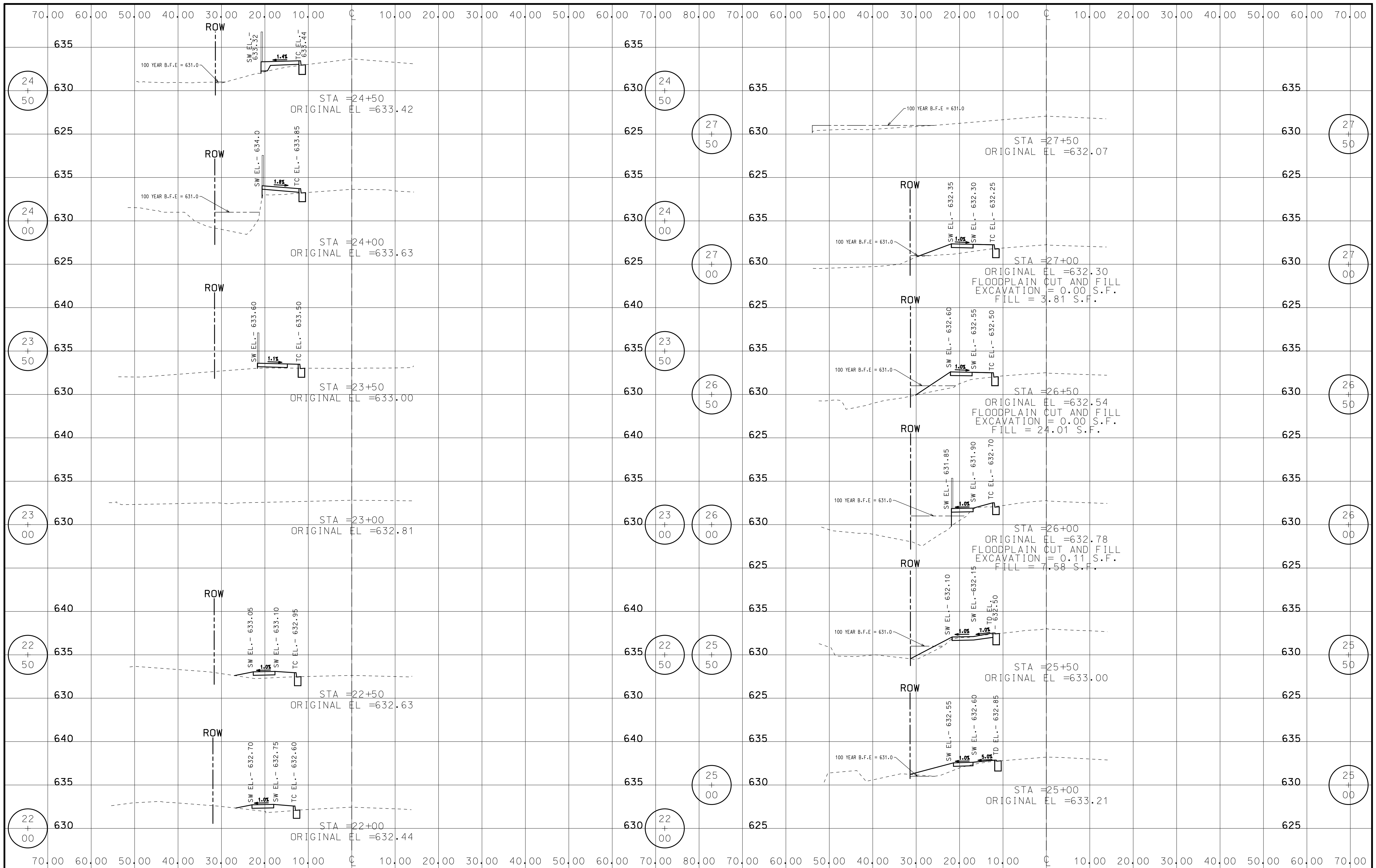
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
CROSS SECTION - 2**

SCALE: SHEET NO. 29 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. R.T.E. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 32
CONTRACT NO. 61B91			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



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DESIGNED -
DRAWN -
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PLOT DATE = 2/6/2018

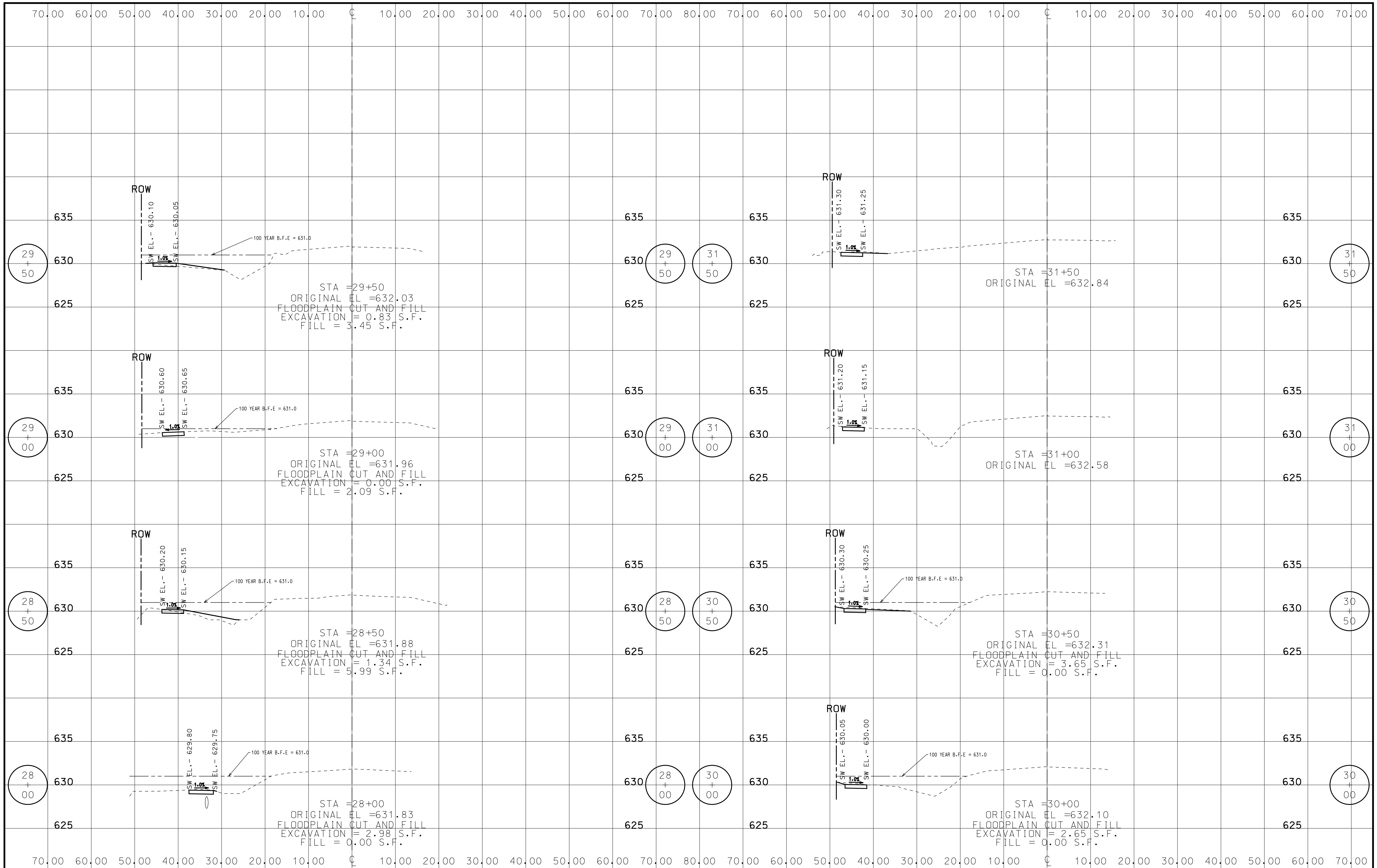
REVISOR -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

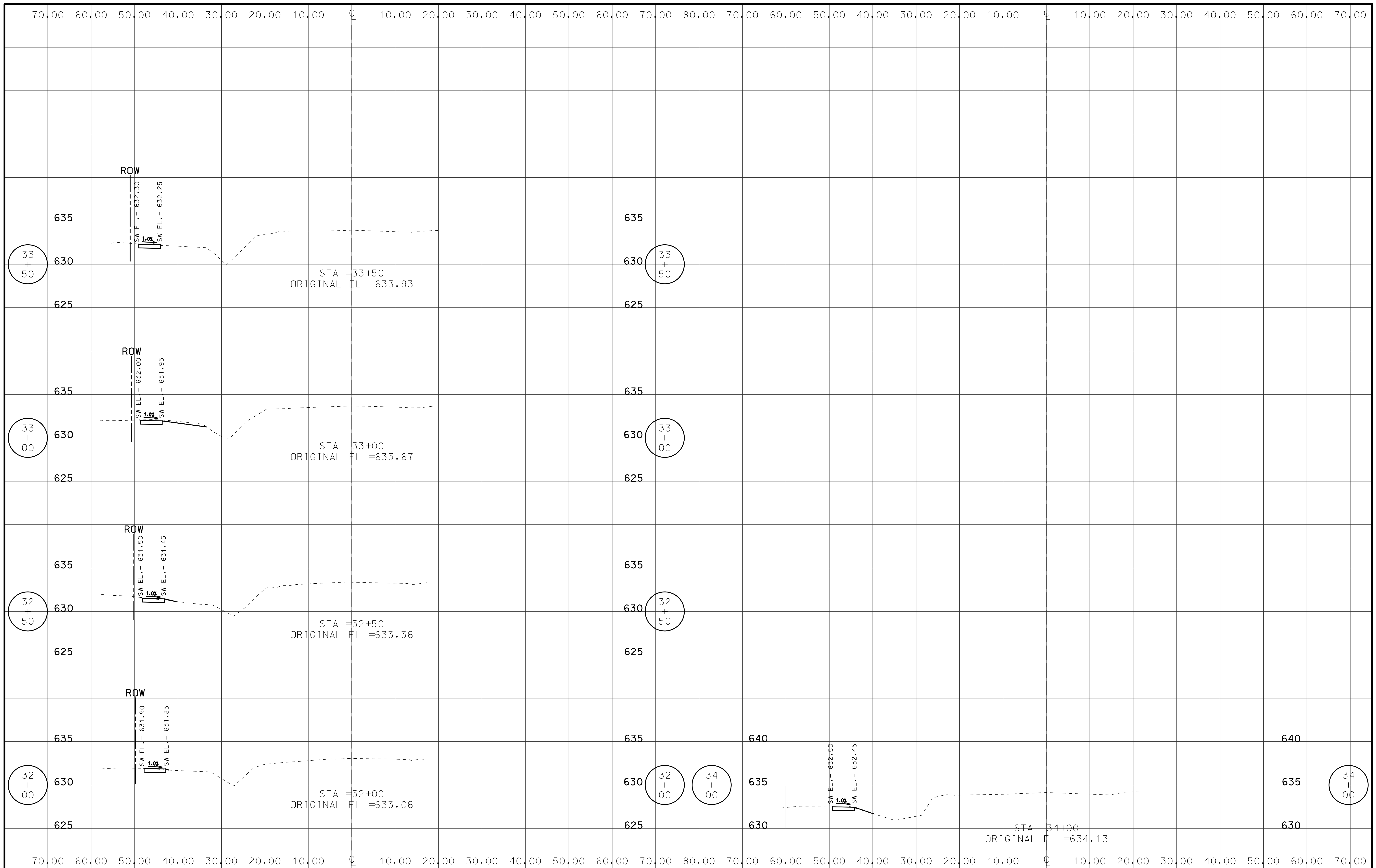
**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
CROSS SECTION - 3**

SCALE: SHEET NO. 30 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	33
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = 604930304.DGN	USER NAME = mluba	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE) CROSS SECTION - 4	F.A.U. RTE. 1319	SECTION 12-00218-00-BT	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 34		
PLOT SCALE = 1:1,000.00	CHECKED -	REVISED -	SCALE:			SHEET NO. 31 OF 32 SHEETS	STA. 10+00 TO STA. 34+69	CONTRACT NO. 61B91				
PLOT DATE = 2/6/2018	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									
Default												



FILE NAME = 6049.03\SS05.DGN
 USER NAME = mluba
 PLOT SCALE = 1:1.00003
 PLOT DATE = 2/6/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BALLARD ROAD SIDE PATH (BENDER ROAD TO GOOD AVENUE)
 CROSS SECTION - 5**

SCALE: SHEET NO. 32 OF 32 SHEETS STA. 10+00 TO STA. 34+69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1319	12-00218-00-BT	COOK	35	35
CONTRACT NO. 61B91				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				