

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
**EAST 93RD STREET
RESURFACING**

CITY OF CLEVELAND
CUYAHOGA COUNTY

PROJECT DESCRIPTION

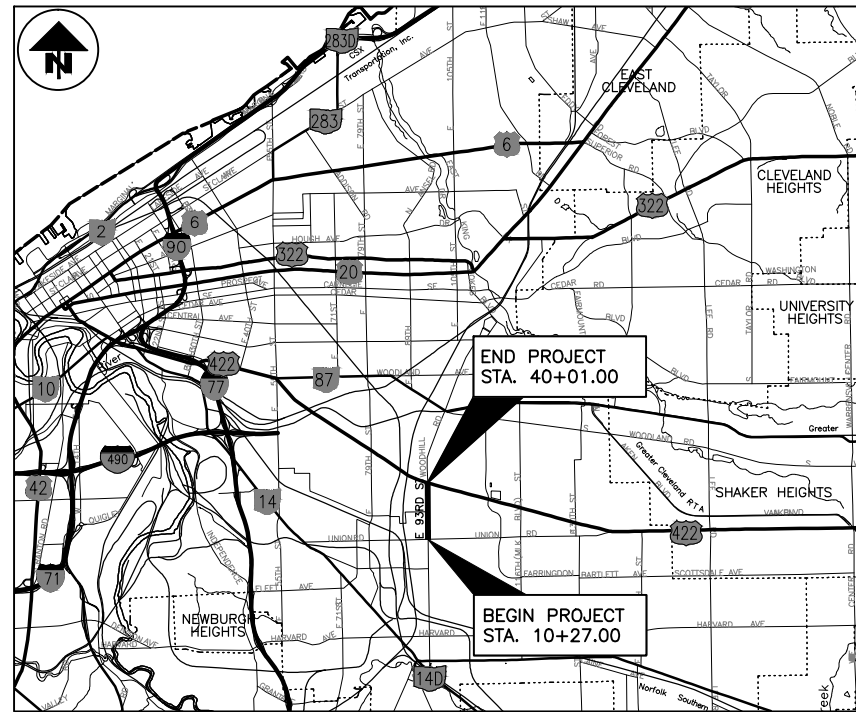
RESURFACING OF APPROXIMATELY 0.58 MILES OF E. 93RD STREET FROM UNION AVENUE TO KINSMAN ROAD. WORK WILL INCLUDE MILLING OF EXISTING ASPHALT AND REPLACEMENT, ALONG WITH FULL AND PARTIAL DEPTH PAVEMENT REPAIRS, UTILITY ADJUSTMENTS, AND ADA COMPLIANT CURB RAMPS, PAVEMENT MARKINGS AND PROPOSED SIGNAGE THROUGHOUT THE PROJECT LENGTH.

PROJECT EARTH DISTURBED AREA: N/A*
EST. CONTRACTOR EARTH DISTURBED AREA: N/A*
NOTICE OF INTENT EARTH DISTURBED AREA: N/A*
* MAINTENANCE PROJECT

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF NORTH MARGINAL AND SOUTH MARGINAL TO VEHICULAR TRAFFIC AND THAT DETOURS WILL BE PROVIDED AS INDICATED IN THE PLANS.



LOCATION MAP

LATITUDE: 41°28'08" N, LONGITUDE: 81°37'17" W

DESIGN DESIGNATION - E. 93RD STREET

CURRENT ADT (2014)	16,740
DESIGN YEAR ADT (2016)	16,740
DESIGN SPEED	35 MPH
LEGAL SPEED	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	MINOR ARTERIAL
NHS PROJECT	--

INDEX OF SHEETS

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OUPS TICKET NUMBER: A526402065

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988



ENGINEERS SEAL:

SIGNED:
DATE:

ODOT STANDARD DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	
BP-1.1	7/28/00	MT-95.31	7/18/14	TC-41.20	10/18/13	800	7/17/15
BP-2.1	7/17/15	MT-95.32	7/18/14	TC-41.30	10/18/13	821	4/20/10
BP-2.2	7/18/08	MT-95.50	7/19/13	TC-41.40	10/18/13	832	1/17/14
BP-2.5	7/19/13	MT-95.60	7/19/13	TC-42.20	10/18/13	921	4/20/12
BP-3.1	7/18/14	MT-97.10	7/18/14	TC-52.10	10/18/13		
BP-4.1	7/19/13	MT-97.12	7/18/14	TC-52.20	7/18/14		
BP-5.1	7/19/13	MT-99.20	7/19/13	TC-71.10	1/17/14		
BP-7.1	7/18/14	MT-101.60	7/19/13	TC-82.10	7/17/15		
		MT-101.90	7/17/15				
		MT-105.10	7/19/13				
		MT-110.10	7/19/13				
DM-1.2	1/18/13						
DM-4.3	7/19/13						
DM-4.4	7/20/12						

APPROVED: _____
DATE: _____ JERRY WRAY
DIRECTOR, DEPARTMENT OF TRANSPORTATION

APPROVED: _____
DATE: _____ MYRON S. PAKUSH
DISTRICT DEPUTY DIRECTOR,
DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.
E150(852)

PID NO.
100098

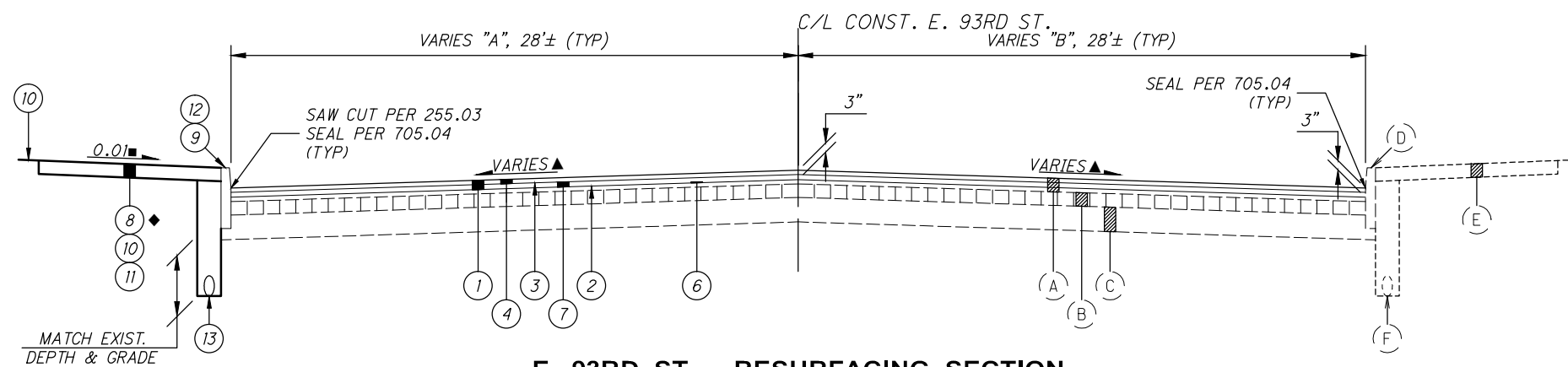
CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

CUY-EAST 93RD ST.

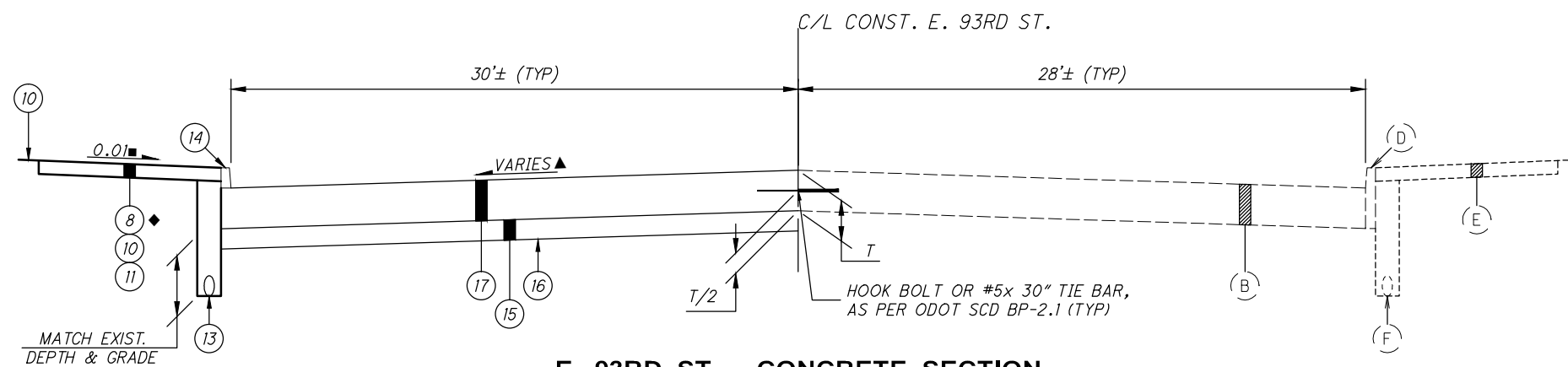
FOR PLANING JOINT DETAIL, SEE SHEET 3
 FOR PAVEMENT REPAIR DETAILS, SEE SHEET 4

CALCULATED
 ERS
 CHECKED
 DEN



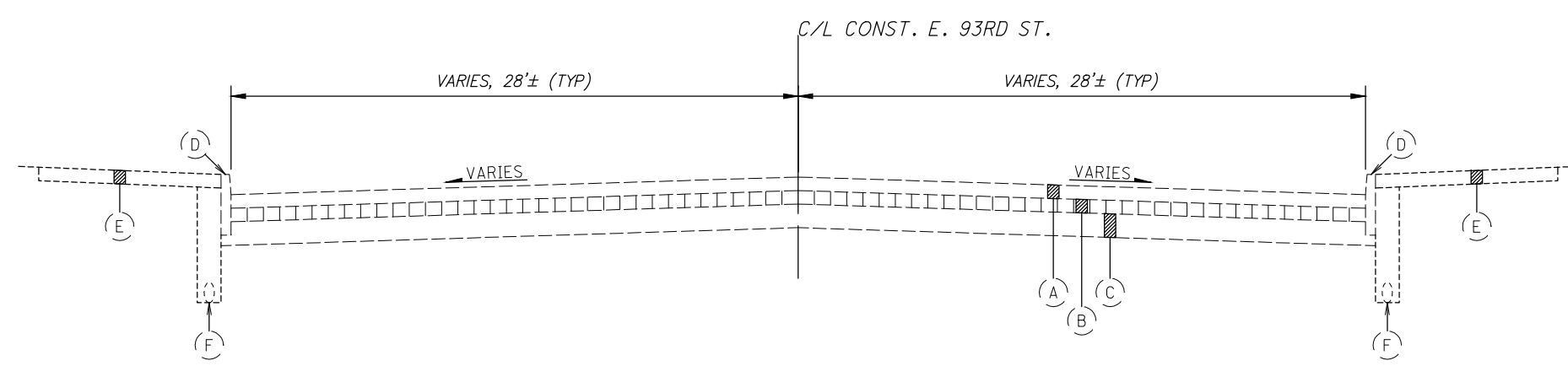
E. 93RD ST. - RESURFACING SECTION

STA. 11+00.00 TO STA. 40+01.00 = 2,901 LIN. FT.



E. 93RD ST. - CONCRETE SECTION

STA. 10+27.00 TO STA. 11+00.00 = 73 LIN. FT.



E. 93RD ST. - EXISTING SECTION

STA. 10+49.00 TO STA. 40+01.00 = 2,952 LIN. FT.

PROPOSED LEGEND

- ① ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T = 3")
- ② ITEM 407 - TACK COAT (0.10 GAL/SY)
- ③ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (0.075 GAL/SY)
- ④ ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN "A" (PG70-22M)
- ⑤ ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN "B" (PG64-22)
- ⑥ ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), AS PER PLAN (0" MIN) (PG64-22)
- ⑦ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), AS PER PLAN (PG64-22M)
- ⑧ ITEM 608 - 6" CONCRETE WALK, AS PER PLAN
- ⑨ ITEM 609 - CURB, TYPE 6, AS PER PLAN
- ⑩ ITEM 659 - SEEDING AND MULCHING
- ⑪ ITEM 659 - TOPSOIL (6" AVERAGE)
- ⑫ ITEM 202 - CURB REMOVED (INCLUDED IN ITEM 609 - CURB, TYPE 6, AS PER PLAN)
- ⑬ ITEM 605 - 6" BASE PIPE UNDERDRAINS
- ⑭ ITEM 609 - CURB, TYPE 2-A
- ⑮ ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN
- ⑯ ITEM 204 - SUBGRADE COMPACTION
- ⑰ ITEM 451 - 10" REINFORCED CONCRETE PAVEMENT, AS PER PLAN
- ▲ MATCH EXISTING, 0.02 PREFERRED, 0.016 MIN
- 0.02 PREFERRED, 0.01 MINIMUM
- ◆ WHERE SPECIFIED, WALK SHALL BE REMOVED AND REPLACED TO THE FIRST CONSTRUCTION JOINT, OR AS DIRECTED BY THE ENGINEER

E. 93RD ST. WIDTH TABLE					
CODE	STATION		WIDTH		SIDE
	FROM	TO	FROM	TO	
A	10+49.00	12+10.00	30.00'	30.00'	LT
	12+10.00	12+55.00	30.00'	28.00'	
	12+55.00	40+01.00	28.00'	28.00'	
B	10+49.00	37+54.00	28.00'	28.00'	RT
	37+54.00	38+00.00	28.00'	30.00'	
	38+00.00	40+01.00	30.00'	30.00'	

EXISTING LEGEND

- (A) EXIST. 4" - 7" ASPHALT CONCRETE
- (B) EXIST. 4" - 5" BRICK BASE
- (C) EXIST. 7" CONCRETE BASE
- (D) EXIST. CONCRETE/GRANITE/SANDSTONE CURB
- (E) EXIST. WALK
- (F) EXIST. UNDERDRAINS
- (G) EXIST. CONCRETE

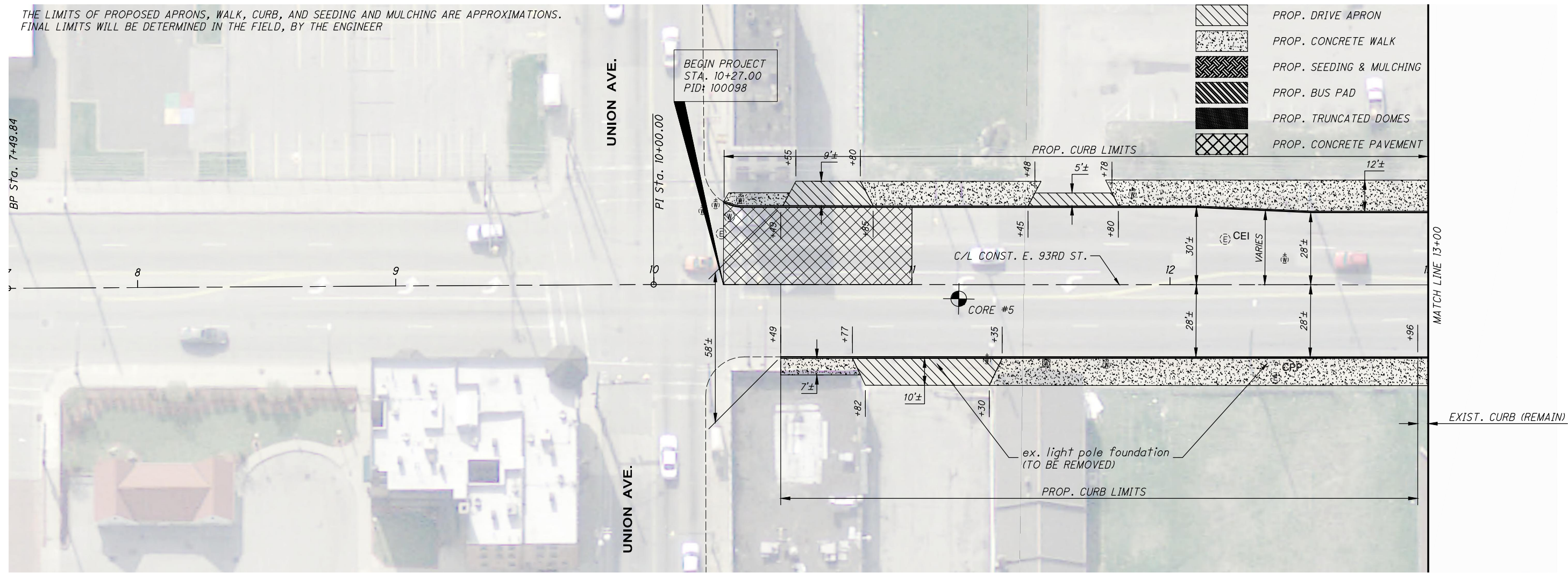
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TYPICAL SECTIONS

CUY-EAST 93RD ST.

NOTES

THE LIMITS OF PROPOSED APRONS, WALK, CURB, AND SEEDING AND MULCHING ARE APPROXIMATIONS. FINAL LIMITS WILL BE DETERMINED IN THE FIELD, BY THE ENGINEER



LEGEND

- PROP. DRIVE APRON
- PROP. CONCRETE WALK
- PROP. SEEDING & MULCHING
- PROP. BUS PAD
- PROP. TRUNCATED DOMES
- PROP. CONCRETE PAVEMENT

CALCULATED ERS CHECKED DEN

0 20 40
HORIZONTAL SCALE IN FEET

PLAN - E. 93RD ST.
BEGIN PROJECT TO STA. 13+00

REF. SHEET NO.	SHEET NO.	STATION		SIDE	209	452	605	608	608	609	609	611	611	623	625	638	638	638	659
		FROM	TO		LINEAR GRADING	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS, AS PER PLAN	6" BASE PIPE UNDERDRAINS	6" CONCRETE WALK, AS PER PLAN	CURB RAMP, AS PER PLAN	CURB, TYPE 2-A, AS PER PLAN	CURB, TYPE 6, AS PER PLAN	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER METER ADJUSTED TO GRADE, AS PER PLAN	SEEDING AND MULCHING
		STA	SY	FT	SF	SF	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY	
21	BEGIN	13+00.00		LT / RT												8	1	1	
21	BEGIN	13+00.00		LT / RT		115													
21	BEGIN	13+00.00		LT / RT				4045											
21	BEGIN	13+00.00		LT / RT			574			74	500								
21	BEGIN	13+00.00		LT / RT									2						
21	BEGIN	13+00.00		LT		3													
21	BEGIN	13+00.00		RT		3													
TOTALS CARRIED TO SUBSUMMARY					6	115	574	4045		74	500		2	8	1	1			

CUY-EAST 93RD ST.

21
90

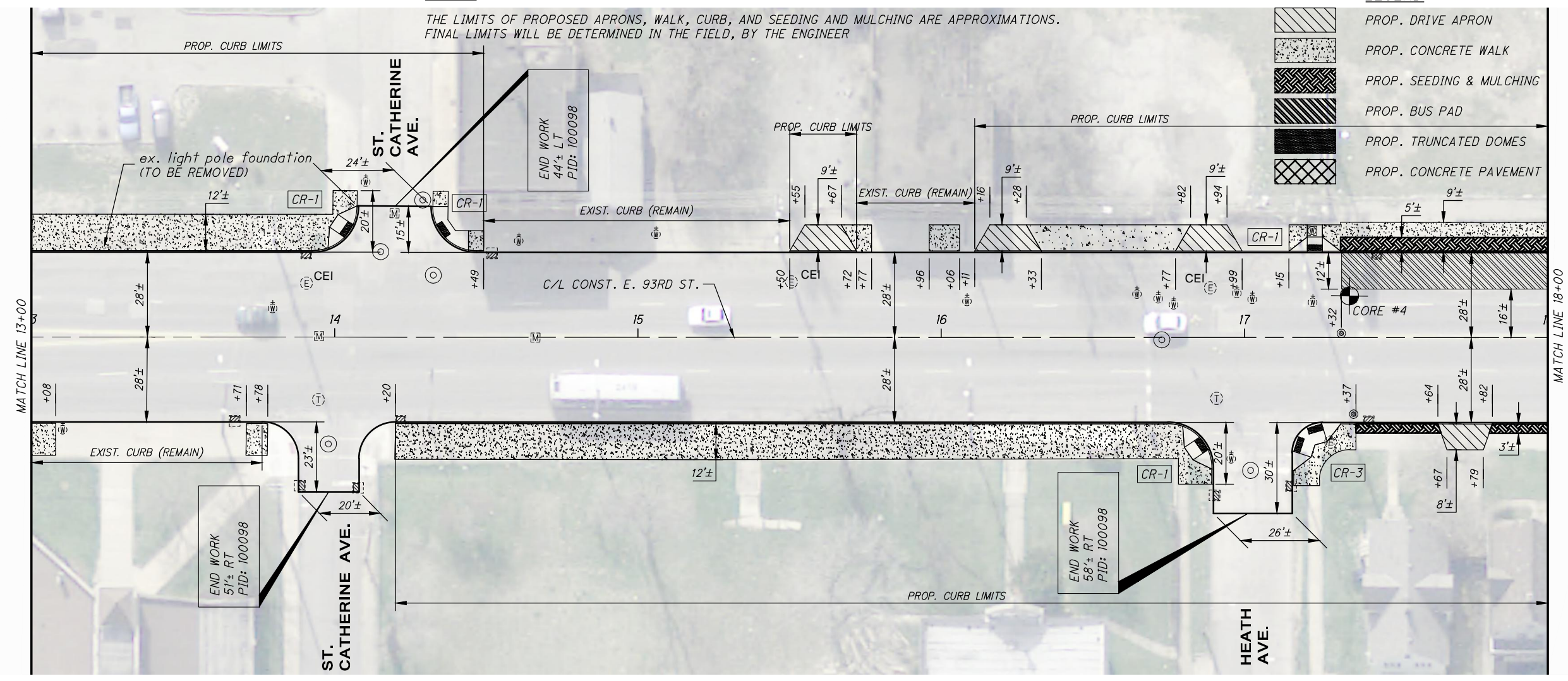
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NOTES

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LEGEND

-  PROP. DRIVE APRON
-  PROP. CONCRETE WALK
-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT



0 20 40
HORIZONTAL SCALE IN FEET

CALCULATED ERS
CHECKED DEN

PLAN - E. 93RD ST.
STA. 13+00 TO STA. 18+00

REF. SHEET NO.	SHEET NO.	STATION		SIDE	209	452	605	608	608	609	609	611	611	623	625	638	638	638	659
		FROM	TO																
22	13+00.00	18+00.00	LT / RT	STA	SY	FT	SF	SF	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY
22	13+00.00	18+00.00	LT / RT		65														
22	13+00.00	18+00.00	LT / RT				5790												
22	13+00.00	18+00.00	LT / RT			540			70	570									
22	13+00.00	18+00.00	LT / RT					80											50
22	13+00.00	18+00.00	LT											1					
22	13+00.00	18+00.00	LT	5															
22	13+00.00	18+00.00	RT	5															
22	ST CATHERINE AVE		LT					80											
22	ST CATHERINE AVE		RT					90											
22	HEATH AVE		LT					80											
22	HEATH AVE		RT					120											
TOTALS CARRIED TO SUBSUMMARY					10	65	540	5790	450	70	570	10	8	3	1	9		1	50


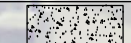




CUY-EAST 93RD ST.

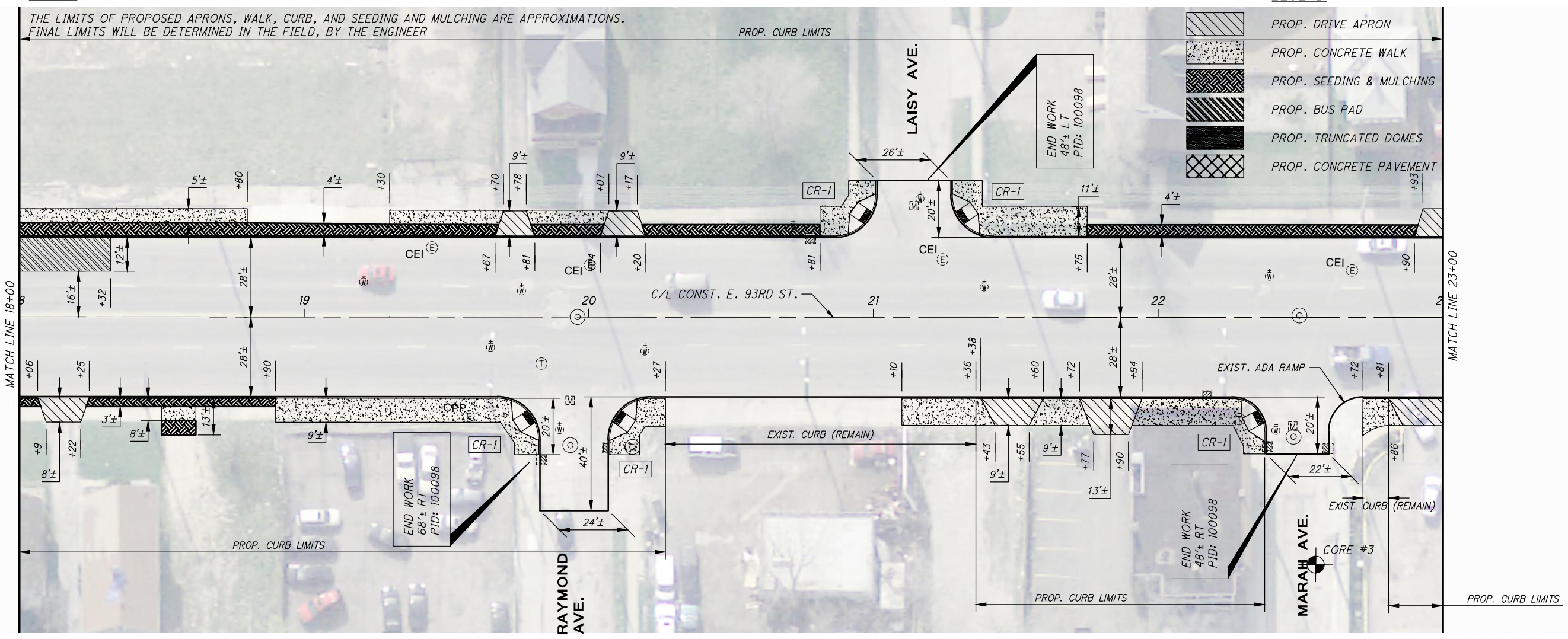
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NOTES

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LEGEND

-  PROP. DRIVE APRON
-  PROP. CONCRETE WALK
-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT



CALCULATED ERS CHECKED DEN

0 20 40 HORIZONTAL SCALE IN FEET

23 90

PLAN - E. 93RD ST. STA. 18+00 TO STA. 23+00

REF. SHEET NO.	STATION FROM	STATION TO	SIDE	209	452	605	608	608	609	609	611	611	623	625	638	638	638	659
				LINEAR GRADING	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS, AS PER PLAN	6" BASE PIPE UNDERDRAINS	6" CONCRETE WALK, AS PER PLAN	CURB RAMP, AS PER PLAN	CURB, TYPE 2-A, AS PER PLAN	CURB, TYPE 6, AS PER PLAN	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER METER ADJUSTED TO GRADE, AS PER PLAN	SEEDING AND MULCHING
				STA	SY	FT	SF	SF	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY
23	18+00.00	23+00.00	LT / RT								6	5	3		10			
23	18+00.00	23+00.00	LT / RT		110													
23	18+00.00	23+00.00	LT / RT				3405											
23	18+00.00	23+00.00	LT / RT			685			35	750								
23	18+00.00	23+00.00	LT / RT															205
23	18+00.00	23+00.00	LT	5														
23	18+00.00	23+00.00	RT	5														
23	RAYMOND AVE		LT					80										
23	RAYMOND AVE		RT					80										
23	LAISY AVE		LT					80										
23	LAISY AVE		RT					80										
23	MARAH AVE		LT					80										
TOTALS CARRIED TO SUBSUMMARY				10	110	685	3405	400	35	750	6	5	3		10			205

CUY-EAST 93RD ST.

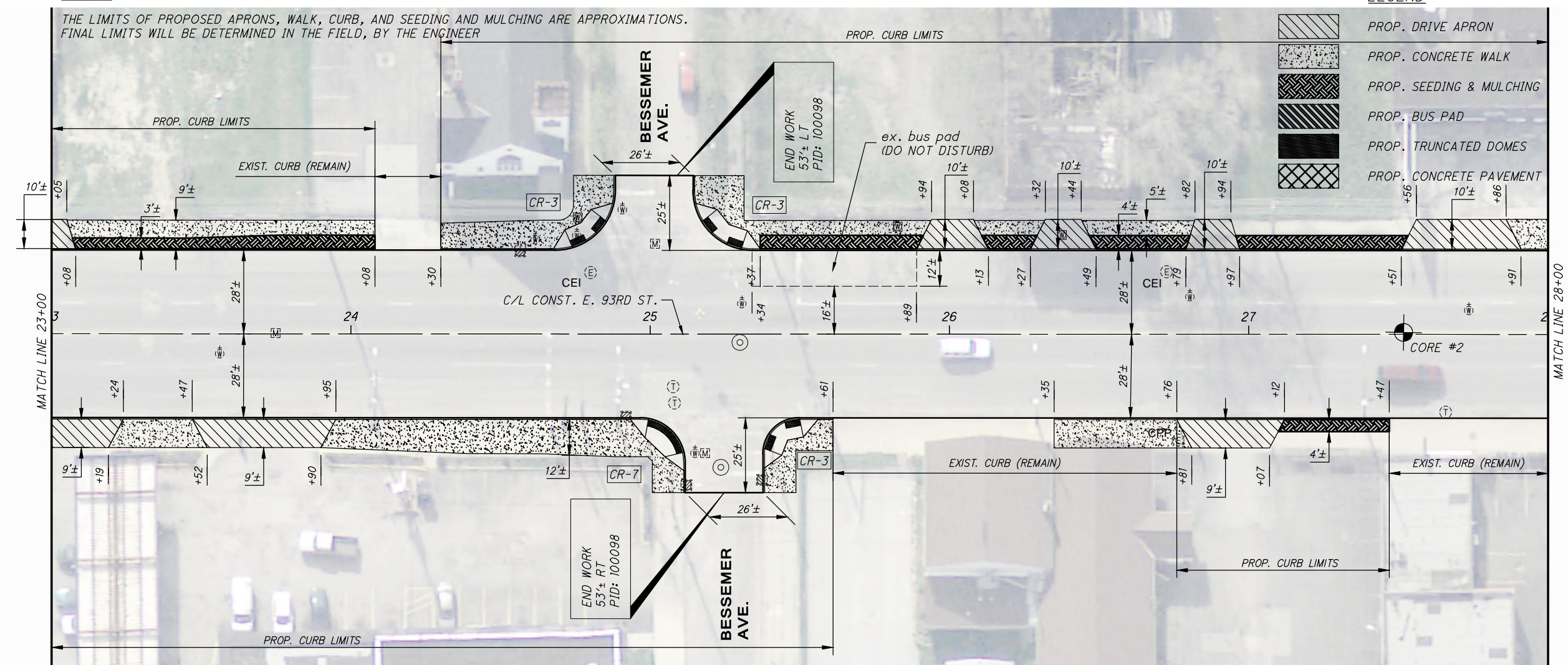
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NOTES

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LEGEND

-  PROP. DRIVE APRON
-  PROP. CONCRETE WALK
-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT







 HORIZONTAL SCALE IN FEET

CALCULATED	ERS	CHECKED	DEN
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PLAN - E. 93RD ST.
STA. 23+00 TO STA. 28+00

REF. SHEET NO.	STATION	SIDE	ITEMS																
			209	452	605	608	608	609	611	611	623	625	638	638	638	659			
FROM	TO		LINEAR GRADING	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS, AS PER PLAN	6" BASE PIPE UNDERDRAINS	6" CONCRETE WALK, AS PER PLAN	CURB RAMP, AS PER PLAN		CURB, TYPE 6, AS PER PLAN	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER METER ADJUSTED TO GRADE, AS PER PLAN	SEEDING AND MULCHING		
			STA	SY	FT	SF	SF		FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY		
24	23+00.00	28+00.00	LT / RT																
24	23+00.00	28+00.00	LT / RT		205														
24	23+00.00	28+00.00	LT / RT				4280												
24	23+00.00	28+00.00	LT / RT			640			720										
24	23+00.00	28+00.00	LT / RT														140		
24	23+00.00	28+00.00	LT	5															
24	23+00.00	28+00.00	RT	5															
24	BESSEMER AVE		LT					270											
24	BESSEMER AVE		RT					275											
TOTALS CARRIED TO SUBSUMMARY				10	205	640	4280	545		720	4	2	3		9		3	140	

CUY-EAST 93RD ST.

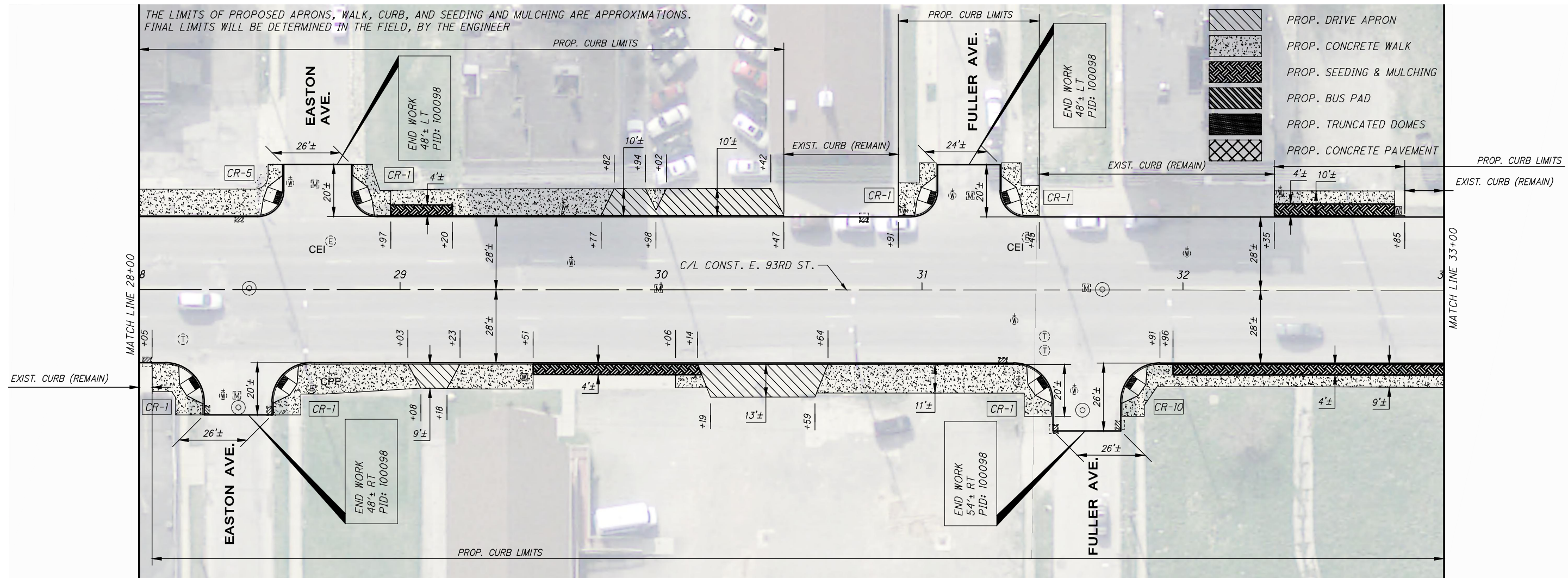
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NOTES

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LEGEND

-  PROP. DRIVE APRON
-  PROP. CONCRETE WALK
-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT



0 20 40
HORIZONTAL SCALE IN FEET

CALCULATED ERS
CHECKED DEN

PLAN - E. 93RD ST.
STA. 28+00 TO STA. 33+00

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REF. SHEET NO.	SHEET NO.	STATION		SIDE	209	452	605	608	608	609	611	611	623	625	638	638	638	659
		FROM	TO															
	25	28+00.00	33+00.00	LT / RT	STA	SY	FT	SF	SF	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY
	25	28+00.00	33+00.00	LT / RT		150												
	25	28+00.00	33+00.00	LT / RT				4615										
	25	28+00.00	33+00.00	LT / RT			610			710								
	25	28+00.00	33+00.00	LT / RT														105
	25	28+00.00	33+00.00	LT	5													
	25	28+00.00	33+00.00	RT	5													
	25	EASTON AVE		LT					165									
	25	EASTON AVE		RT					165									
	25	FULLER AVE		LT					165									
	25	FULLER AVE		RT					165									
TOTALS CARRIED TO SUBSUMMARY					10	150	610	4615	660	710	8	4	5		10		2	105

CUY-EAST 93RD ST.

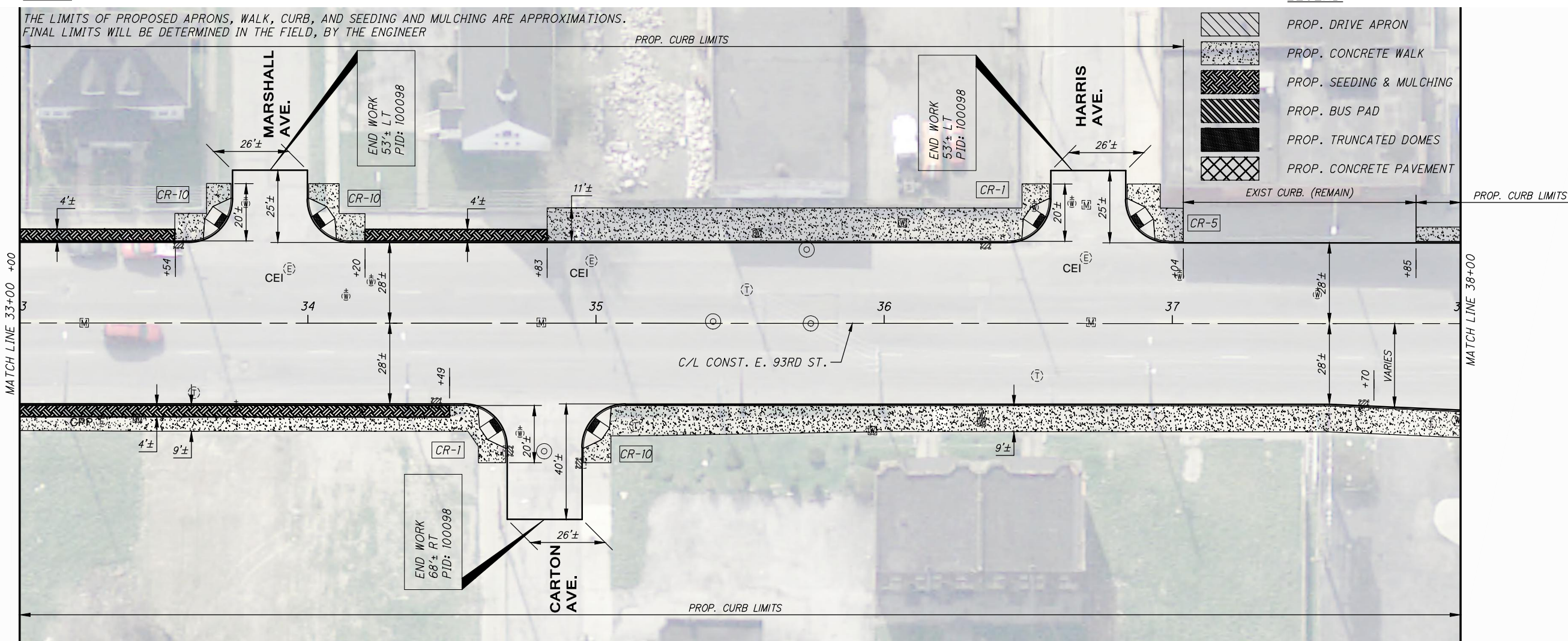
25
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NOTES

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LEGEND

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-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT







 HORIZONTAL SCALE IN FEET

CALCULATED	ERS	CHECKED	DEN
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PLAN - E. 93RD ST.
STA. 33+00 TO STA. 38+00

REF. SHEET NO.	SHEET NO.	STATION		SIDE	ITEMS																
		FROM	TO		209	452	605	608	608	609	611	611	623	625	638	638	638	659			
					LINEAR GRADING	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS, AS PER PLAN	6" BASE PIPE UNDERDRAINS	6" CONCRETE WALK, AS PER PLAN	CURB RAMP, AS PER PLAN		CURB, TYPE 6, AS PER PLAN	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE, AS PER PLAN	WATER WORK, MISC.: WATER METER ADJUSTED TO GRADE, AS PER PLAN	SEEDING AND MULCHING		
					STA	SY	FT	SF	SF		FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY		
26		33+00.00	38+00.00	LT / RT																	
26		33+00.00	38+00.00	LT / RT				6315													
26		33+00.00	38+00.00	LT / RT			690			790											
26		33+00.00	38+00.00	LT / RT															125		
26		33+00.00	38+00.00	LT	5																
26		33+00.00	38+00.00	RT	5																
26		MARSHALL AVE		LT					80												
26		MARSHALL AVE		RT					80												
26		CARTON AVE		LT					80												
26		CARTON AVE		RT					80												
26		HARRIS AVE		LT					80												
26		HARRIS AVE		RT					80												
TOTALS CARRIED TO SUBSUMMARY					10		690	6315	480		790	6	4	4		11	1	5	125		


CUY-EAST 93RD ST.

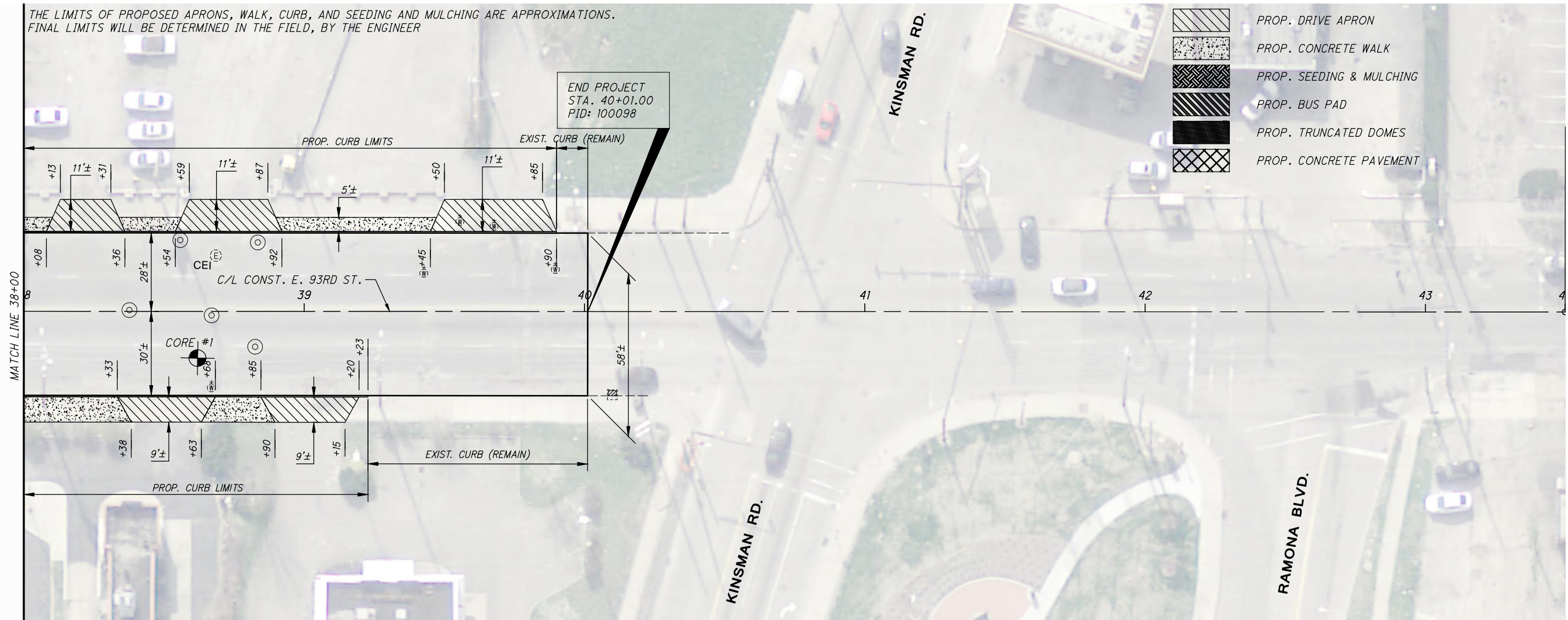
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NOTES

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LEGEND

-  PROP. DRIVE APRON
-  PROP. CONCRETE WALK
-  PROP. SEEDING & MULCHING
-  PROP. BUS PAD
-  PROP. TRUNCATED DOMES
-  PROP. CONCRETE PAVEMENT



CALCULATED ERS CHECKED DEN

0 20 40
HORIZONTAL SCALE IN FEET



O:\2015\2015201\03\roadway\sheets\201520103GP001.dwg 02-Dec-15 11:38 AM

REF. SHEET NO.	SHEET NO.	STATION		SIDE	DESCRIPTION	STA	SY	FT	SF	SF	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SY	
		FROM	TO																	
27	38+00.00	END	LT / RT	LINEAR GRADING	209															
27	38+00.00	END	LT / RT	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC MS, AS PER PLAN	452	185														
27	38+00.00	END	LT / RT	6" BASE PIPE UNDERDRAINS	605		315													
27	38+00.00	END	LT / RT	6" CONCRETE WALK, AS PER PLAN	608			940												
27	38+00.00	END	LT	CURB RAMP, AS PER PLAN	608															
27	38+00.00	END	RT	CURB, TYPE 6, AS PER PLAN	609						315									
				CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	611							1								
				MANHOLE ADJUSTED TO GRADE, AS PER PLAN	611								5							
				MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	623															
				LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	625															
				VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	638															
				WATER WORK, MISC.: WATER MANHOLE ADJUSTED TO GRADE, AS PER PLAN	638															
				WATER WORK, MISC.: WATER METER ADJUSTED TO GRADE, AS PER PLAN	638															
				SEEDING AND MULCHING	659															
TOTALS CARRIED TO SUBSUMMARY						6	185	315	940			315	1	5			5			

**PLAN - E. 93RD ST.
STA. 38+00 TO END PROJECT**

CUY-EAST 93RD ST.

27
90