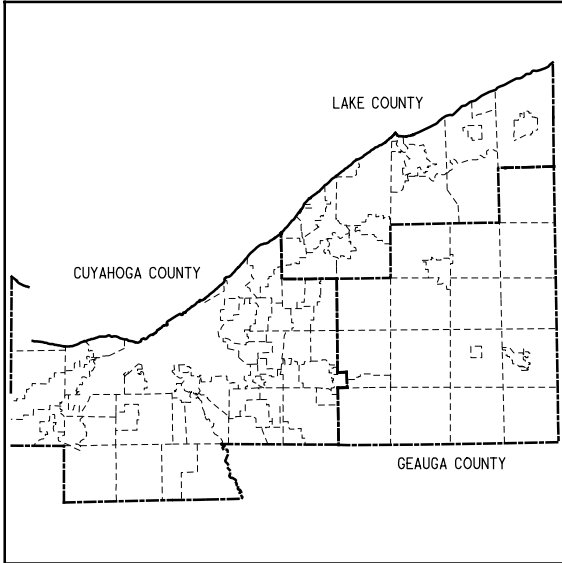


STATE OF OHIO DEPARTMENT OF TRANSPORTATION D12-MNT-FY2021

LOCATION MAP



LATITUDE: N 41°24'54" LONGITUDE : W 81°36'54"

2019 SPECIFICATIONS

THE STANDARD 2019 SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND THE PROPOSAL SHALL GOVERN THESE IMPROVEMENTS.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH IN THE PLANS AND ESTIMATES.

APPROVED _____
DATE 6/16/20 DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

INDEX OF SHEETS:

TITLE SHEET.....	1	WORK ORDER FORM.....	12
LOCATION MAPS.....	2-4	GENERAL SUMMARY.....	13
GENERAL NOTES.....	5-7	SUBSUMMARY.....	14-15
MAINTENANCE OF TRAFFIC NOTES.....	8-11	PLAN SHEETS.....	15A-15H, 16-34

PROJECT DESCRIPTION: THIS PROJECT CONSISTS OF TREE REMOVAL ALONG VARIOUS INTERSTATE AND STATE ROUTES THROUGHOUT THE DISTRICT.

NPDES PERMIT REQUIREMENTS:

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT DISTURBED AREA = N/A (MAINTENANCE PROJECT)

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
(Non-members must be called directly)

ENGINEERS SEAL:

SIGNED: Drake Brauer
DATE: 6/18/2020

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
DM 4.3	1-15-16	MT 95.30	7-19-19	800	7-17-20
DM 4.4	1-15-16	MT 98.10	1-17-20	821	4-20-12
		MT 98.11	1-17-20	832	10-19-18
LA 1.1	10-15-10	MT 98.20	4-19-19	921	4-20-12
		MT 98.22	1-17-20		
TC 41.20	10-18-13				
TC 42.20	10-18-13	MT 98.28	1-17-20		
TC 52.10	10-18-13	MT 105.10	1-17-20		
TC 52.20	7-20-18				

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 12
PRODUCTION



DESIGN AGENCY



DESIGNER	KHD
REVIEWER	DAB 05/06/20
PROJECT ID	111637
SHEET	TOTAL
P.1	34

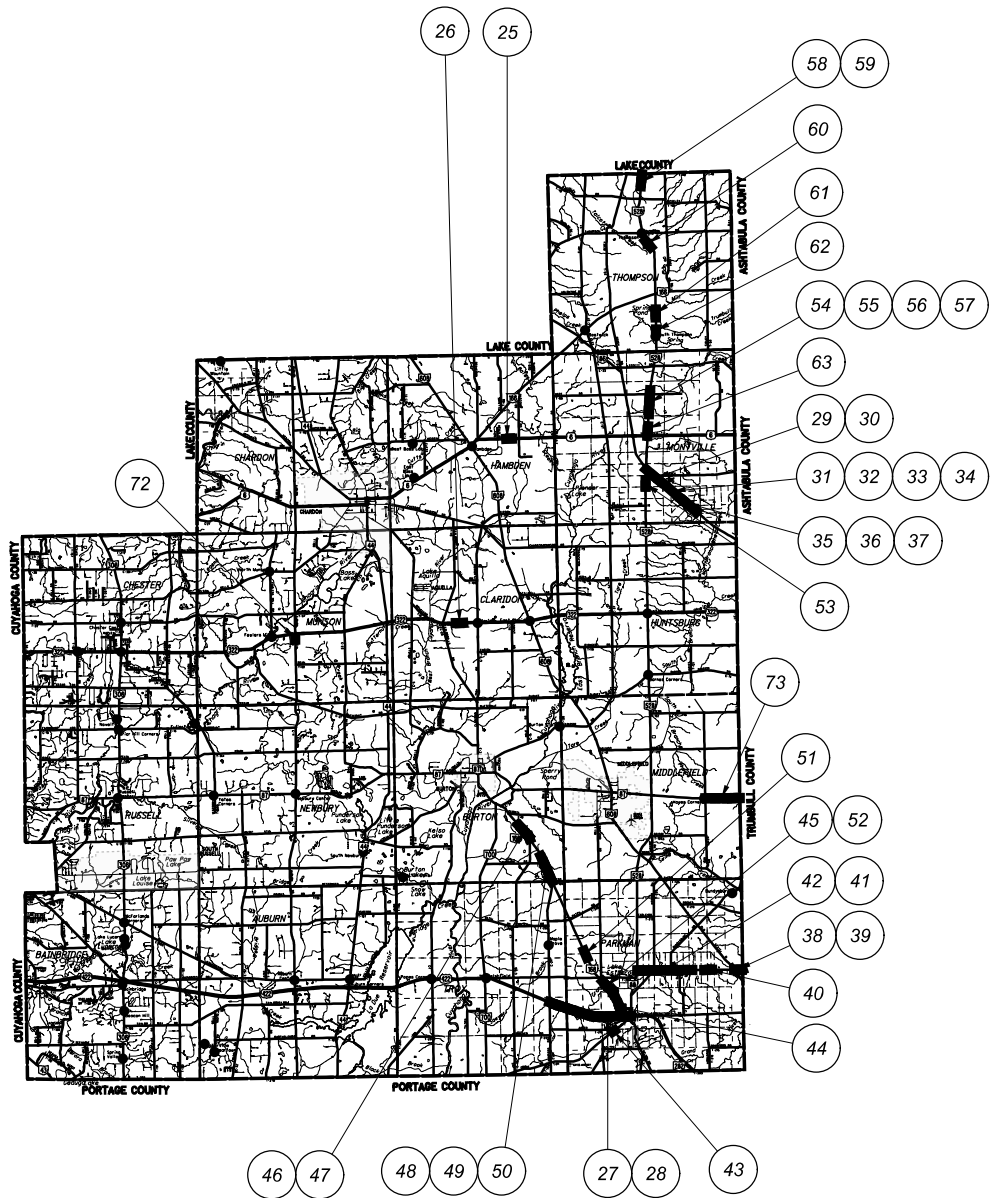
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- | | | | |
|----|---|----|---|
| 25 | US-6 EB MM 209.08-209.18
Address 14441 to 14515 | 47 | SR-168 SB MM 6.15 to 5.98
Address 15580 to Jug St. |
| 26 | US-322 WB MM 29.18 to 29.13
100' East of Address 13553 to 13580 | 48 | SR-168 SB MM 5.38 to 5.19
Address 15935 to Hubbard Rd. |
| 27 | US-422 EB MM 35.46 to 37.82
Mumford Rd. to SR-528 | 49 | SR-168 SB MM 5.13 to 4.98
Address 16070 to 16125 |
| 28 | US-422 Median MM 35.46 to 36.06
Address 15268 to 50' East | 50 | SR-168 SB MM 4.84 to 4.62
Address 16200 to Mumford Rd. |
| 29 | SR-86 WB 16.09 to 15.42
SR-528 to Address 10482 North Side | 51 | SR-168 SB MM 2.41 to 2.37
Address 17480 to 200' SE |
| 30 | SR-86 EB MM 15.42 to 16.09
SR-528 to Address 10482 South Side | 52 | SR-168 SB MM 0.96 to 0.83
Address 18030 to 18055 |
| 31 | SR-86 EB/WB MM 16.35 to 16.75
Address 10581 to 10635 | 53 | SR-528 SB MM 15.25 to 15.00
Address 10537 to 10480 |
| 32 | SR-86 EB/WB MM 16.75 to 16.83
Address 10724 to 10725 | 54 | SR-528 NB MM 17.09 to 17.20
Address 9369 to 9335 |
| 33 | SR-86 EB/WB MM 16.83 to 16.84
25' East and West of Address 10752 | 55 | SR-528 NB MM 17.30 to 17.34
Address 9289 to 9249 |
| 34 | SR-86 EB/WB MM 16.96 to 17.06
Address 10799 to 10844 | 56 | SR-528 NB MM 17.42 to 17.45
Address 9205 to 9199 |
| 35 | SR-86 EB/WB MM 17.24 to 17.35
Address 10919 to 10923 | 57 | SR-528 NB MM 17.59 to 17.83
25' South of Address 9091 to 9019 |
| 36 | SR-86 EB/WB MM 17.35 to 17.42
Address 10923 to 10980 | 58 | SR-528 NB MM 23.66 to 23.82
300' South of Address 6051 to 5990 |
| 37 | SR-86 EB/WB MM 17.50 to 17.80
Address 11010 to 11111 | 59 | SR-528 SB MM 24.03 to 23.67
Address 6153 to County Line |
| 38 | SR-88 WB MM 22.76 to 22.63
Address 17880 to 17835 | 60 | SR-528 SB MM 22.13 to 21.98
Address 6900 to 6832 |
| 39 | SR-88 WB MM 22.51 to 22.25
Old State Rd. to Address 17640 | 61 | SR-528 SB MM 19.97 to 19.82
Address 7912 to 800' North |
| 40 | SR-88 WB MM 21.94 to 21.63
Address 17395 to 17270 | 62 | SR-528 SB MM 19.40
25' South of Address 8150 to 8150 |
| 41 | SR-88 WB MM 21.26 to 20.26
Address 17050 to Hosmer Rd. | 63 | SR-528 SB MM 16.90 to 16.47
Address 9489 to US-6 |
| 42 | SR-88 EB MM 19.79 to 20.26
SR 528 to Hosmer Rd. | 72 | Auburn Rd SB MM 12.50
Address 12586/12572 |
| 43 | SR-88 SB MM 17.87 to 17.79
Address 15930 to 15980 | 73 | SR-87 EB/WB MM 37.05 to 38.03
Hayes Rd to Bundysburg Rd |
| 44 | SR-168 NB MM 0.47 to 0.58
Address 16064 to Parkman Outpost | | |
| 45 | SR-168 NB MM 0.83 to 1.35
Address 17857 to 18055 | | |
| 46 | SR-168 SB MM 6.44 to 6.27
Address 15530 to 15430 | | |



DESIGNER	KHD
REVIEWER	DAB 05/06/20
PROJECT ID	111637
SHEET TOTAL	P.3 34



LOCATION MAP GEAUGA COUNTY

General

Project Description

This project consists of Tree Removal, on various routes and sections in Cuyahoga, Geauga, and Lake Counties. All trees and/or brush shall be removed from the Right-Of-Way and disposed of as per Section 107.10 and 105.16 of the C&MS.

The contractor shall be responsible for cleanup and disposal of all trees, branches, chips and other debris created by the performance of this work. No burning shall be permitted.

The locations and description of work at each location will be contained in work orders. Prior to beginning any work at a location, the Engineer will fill out a work order (see sheet 12) describing the work required and estimated quantities of work items. This work order will then be signed by the Engineer and forwarded to the contractor to commence work.

Within 21 days of receiving a work order, the contractor shall complete the work. All work must be completed and no new work locations may be initiated by the contractor prior to the completion of work at any given location, unless otherwise approved by the Engineer.

Right of Way

All work shall be performed within the existing right of way or easements.

Contingency Quantities

The Contractor shall not perform work for items designated by plan note to be used "as directed by the Engineer" unless authorized by the Engineer. The actual work locations and quantities used for such items shall be incorporated into the final change order governing completion of this project.

Equipment and Material Storage

In order to provide for the safety of the traveling public the Contractor's attention is directed to 614.03. In addition the following provisions shall apply:

1. Any removed items shall not be stored on the right of way for more than thirty (30) days.
2. The storage of equipment, materials, and vehicles within the highway right of way will be permitted. The number of areas and exact locations shall be approved by the Engineer.
3. All disturbed areas shall be returned to their original condition at no expense to the state.

Cooperation Between Contractors

The contractor shall cooperate and coordinate operations with the contractors on other projects that may be in force during the life of the contract.

Work Limits

The work limits shown on these plans are for physical construction only. Provide the installation and operation of all work zone traffic control and work zone traffic control devices required by these plans whether inside or outside these work limits.

Staging Areas

There are no specific areas given in the plans for the Contractor to use as a staging area(s). If the Contractor wants to use an area(s) for staging, regardless if it falls within the project limits or not, the Contractor is to contact Melvin Safford at 216-584-2137 and at District12Permits@dot.ohio.gov in order to apply for a permit per Sections 107.02 of the CMS..

If a permit is granted, all conditions of the permit shall be met in addition to the requirements of 104.04 of the CMS, at no additional cost to the State. If the Project Engineer deems that all the conditions of the permit were not met, then 10% of the Contract bid amount for mobilization shall be withheld until all the conditions of the permit are satisfied.

Responsibility for Damage Claims

The Contractor shall take every precaution in his operations to avoid property damage and assume all liability for any damage resulting from his actions, errors or omissions and shall hold the State of Ohio Department of Transportation harmless. All damage complaints shall be investigated promptly by the contractor at the direction of the Engineer.

Any damage to private or ODOT property shall be immediately repaired or replaced, at the direction of the Engineer.

Construction Noise

Activities and land use adjacent to this project may be affected by construction noise. In order to minimize any adverse construction noise impacts, any powered-operated construction-type device shall not be operated between the hours of 9:00 PM and 7:00 AM. In addition, any such device shall not be operated at any time in such a manner that the noise created substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.

Order of Operations

The Contractor shall complete Locations 72-73 by November 15th, 2020 to ensure that utility work on PID 106261 (Location 72) and PID 110164 P2 (Location 73) is able to be completed prior to the projects start dates.

GENERAL NOTES

DESIGN AGENCY




DESIGNER	KHD
REVIEWER	DAB
PROJECT ID	111637
SHEET	TOTAL
P.5	34

D12-MNT-FY2021

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SHEET NUMBER										PART.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	11		14	15						01/NFP/OT						
ROADWAY																
			601	262						863	SPECIAL	201E20010	863	EACH	TREE REMOVED, 4"-12", WORK ORDER	7
			258	161						419	201	21801	419	EACH	TREE REMOVED, 18" SIZE, AS PER PLAN, WORK ORDER	7
			34	37						71	201	23001	71	EACH	TREE REMOVED, 30" SIZE, AS PER PLAN, WORK ORDER	7
			10	2						12	201	24801	12	EACH	TREE REMOVED, 48" SIZE, AS PER PLAN, WORK ORDER	7
EROSION CONTROL																
										1000	832	30000	1000	EACH	EROSION CONTROL	
MAINTENANCE OF TRAFFIC																
	80									80	614	11110	80	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
10										10	614	13600	10	EACH	MAINTENANCE OF TRAFFIC, ONE LANE CLOSURE ON A TWO WAY HIGHWAY	
INCIDENTALS																
										LS	614	11000	LS		MAINTAINING TRAFFIC	
										LS	624	10000	LS		MOBILIZATION	

DESIGNER KHD	REVIEWER DAB 05/06/20	PROJECT ID 111637	DESIGN AGENCY 
SHEET TOTAL P. 13 34			

GENERAL SUMMARY

WORK LOCATION	ROUTE	DIRECTION	LOCATION	SPECIAL	201	201	201	
				TREE REMOVED, 4"-12", WORK ORDER	TREE REMOVED, 18" SIZE, AS PER PLAN, WORK ORDER	TREE REMOVED, 30" SIZE, AS PER PLAN, WORK ORDER	TREE REMOVED, 48" SIZE, AS PER PLAN, WORK ORDER	
				EACH	EACH	EACH	EACH	
51	168	SE	Address 17480 to 200' SE of 17480 (MM 2.41 to 2.37)	1	1			
52	168	SE	Address 18030 to 18055 (MM 0.96 to 0.83)			1		
53	528	SB	Address 10537 to 10480 (MM 15.25 to 15.00)	8		2		
54	528	NB	Address 9369 to 9335 (MM 17.09 to 17.20)	7	4			
55	528	NB	Address 9289 to 9249 (MM 17.30 to 17.34)		1			
56	528	NB	Address 9205 to 9199 (MM 17.42 to 17.45)	6				
57	528	NB	25' South of 9091 to Address 9019 (MM 17.59 to 17.83)				1	
58	528	NB	300' South of 6051 to 5990 (MM 23.66 to 23.82)	4	4	1		
59	528	SB	Address 6153 to Lake County Line (MM 24.03 to 23.67)	14	14	1		
60	528	SB	Address 6900 to 6832 (MM 22.13 to 21.98)	3	1			
61	528	SB	Address 7912 to 800' North of 7912 (MM 19.97 to 19.82)	3	1			
62	528	SB	25' South of 8150 to Address 8150 (MM 19.40)		1			
63	528	SB	South of Address 9489 to Route 6 (MM 16.90 to 16.47)	3	3			
64	90	EB	MM 191.8 to SR 306 (MM 191.8 to MM 193.8)	17	5			
65	90	MEDIAN	SR 44 to MM 200.2 (Going WB: MM 200.8 to MM 200.2)	65	44	6		
66	90	MEDIAN	MM 199 to 198.4		4	4		
67	90	MEDIAN	MM 198.2 to 197.8		5	5		
68	90	MEDIAN	MM 197.4 to 196.8	30	23	6		
69	90	EB	615 Off Ramp (MM 195.2 to MM 195.4)	7	2			
70	2	WB/EB	EB: MM 225.6 to MM 225.8 / WB: MM 225.8 to MM 225.6	3	6	2		
71	44	NB/SB	NB: 100' South of RR overpass to RR overpass / SB: 100' North of RR overpass to RR overpass (MM 76.55 to 77.32)	1	3	4		
72	Auburn	SB	Address 12586/12572 (MM 12.50, at the utility pole near Sta. 92+55)		2			
73	87	EB/WB	Hayes Rd to Bundysburg Rd (MM 37.05 to MM 38.03)	90	37	5	1	
TOTALS CARRIED TO GENERAL SUMMARY				262	161	37	2	0

TREE REMOVAL SUBSUMMARY

DESIGN AGENCY



DESIGNER
KHD

REVIEWER
DAB 05/06/20

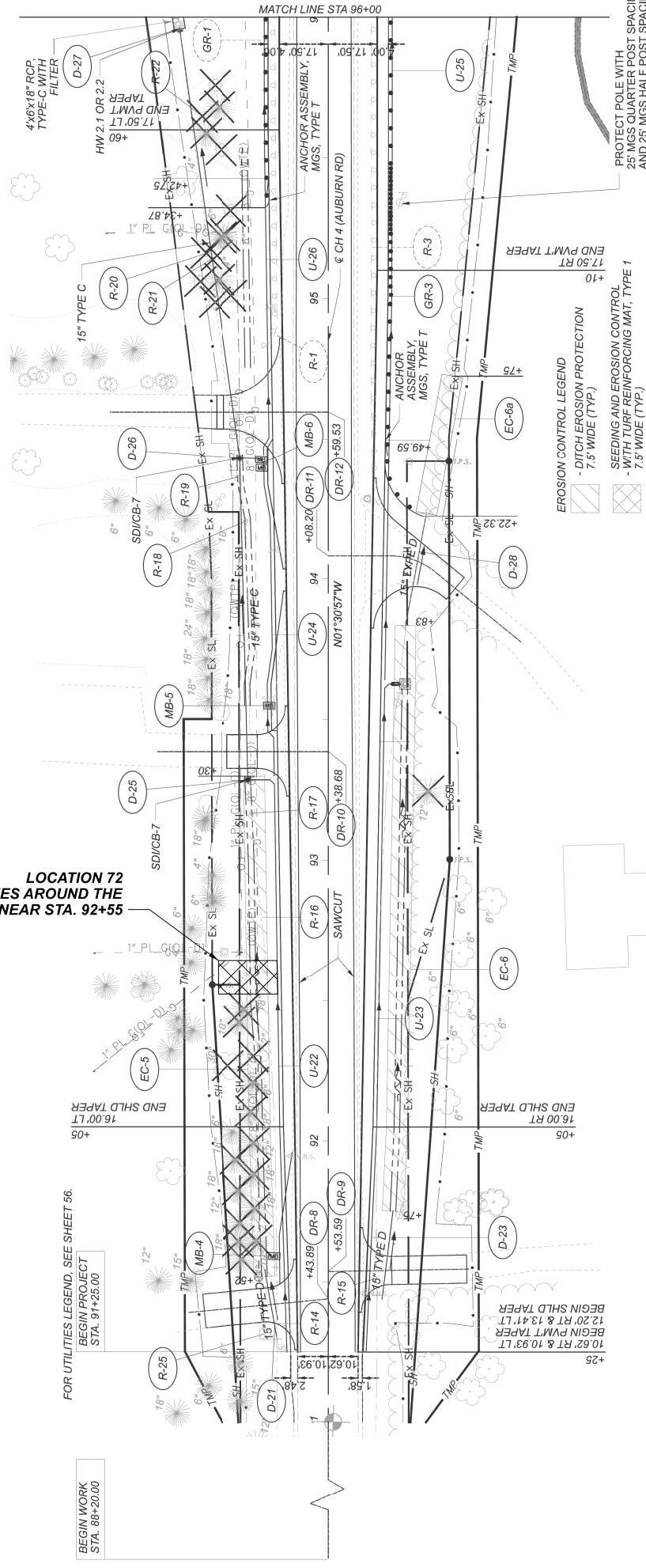
PROJECT ID
111637

SHEET	TOTAL
P.15	34

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**LOCATION 72
 REMOVE TWO TREES AROUND THE
 UTILITY POLE NEAR STA. 92+55**



- EROSION CONTROL LEGEND**
- DITCH EROSION PROTECTION
 7.5' WIDE (TYP.)
 - SEEDING AND EROSION CONTROL
 WITH TURF REINFORCING MAT, TYPE 1
 7.5' WIDE (TYP.)

PROTECT POLE WITH
 25' MGS QUARTER POST SPACING
 AND 25' MGS HALF POST SPACING

FOR UTILITIES LEGEND, SEE SHEET 56.
 BEGIN PROJECT
 STA. 91+25.00

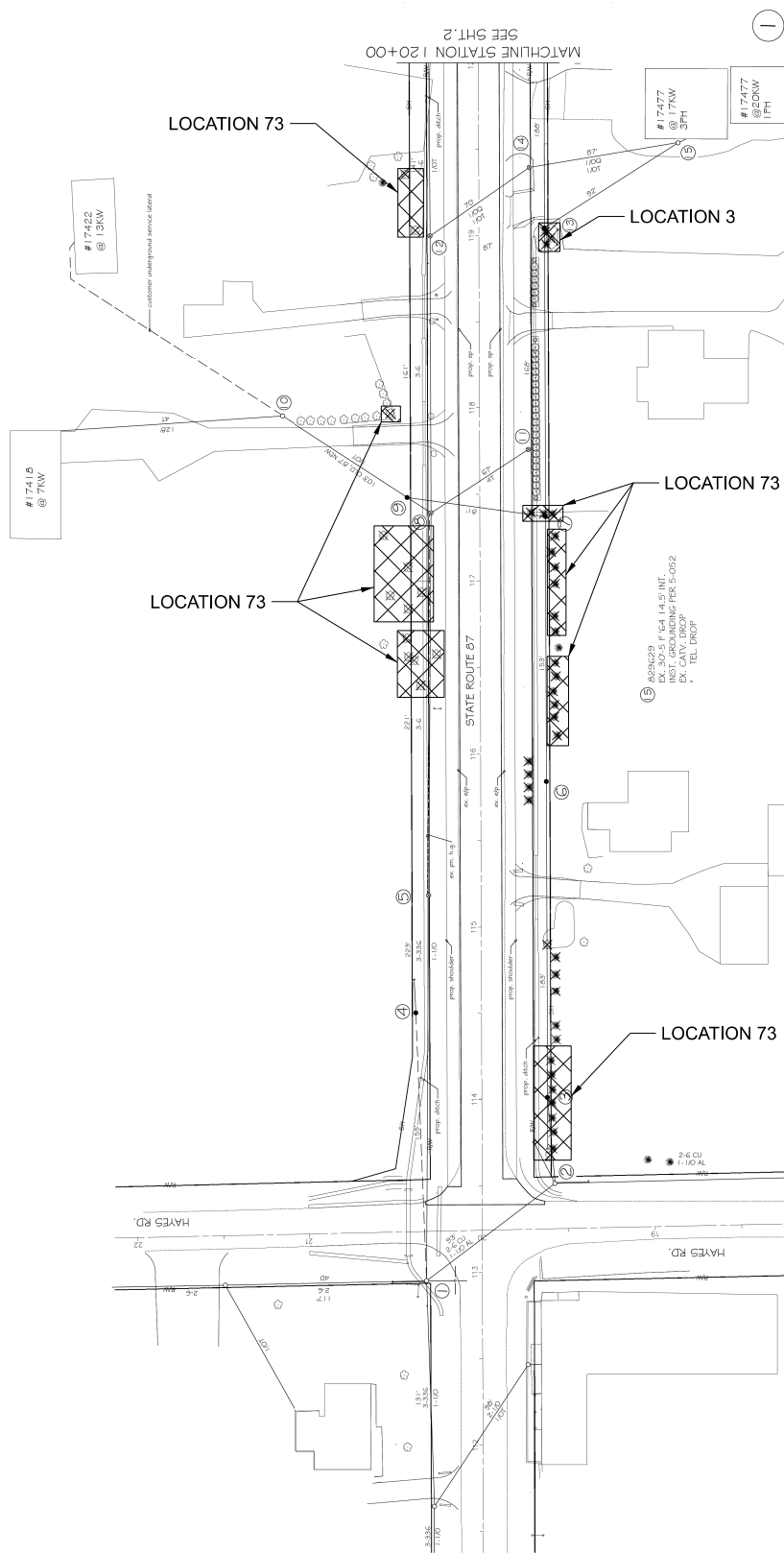
BEGIN WORK
 STA. 88+20.00

DESIGN AGENCY	
DESIGNER	DAB
REVIEWER	EMK 09-02-20
PROJECT ID	111637
SHEET	TOTAL
P. 15A	34

DETAILED MAPS

D12-MNT-FY2021

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DETAILED MAPS

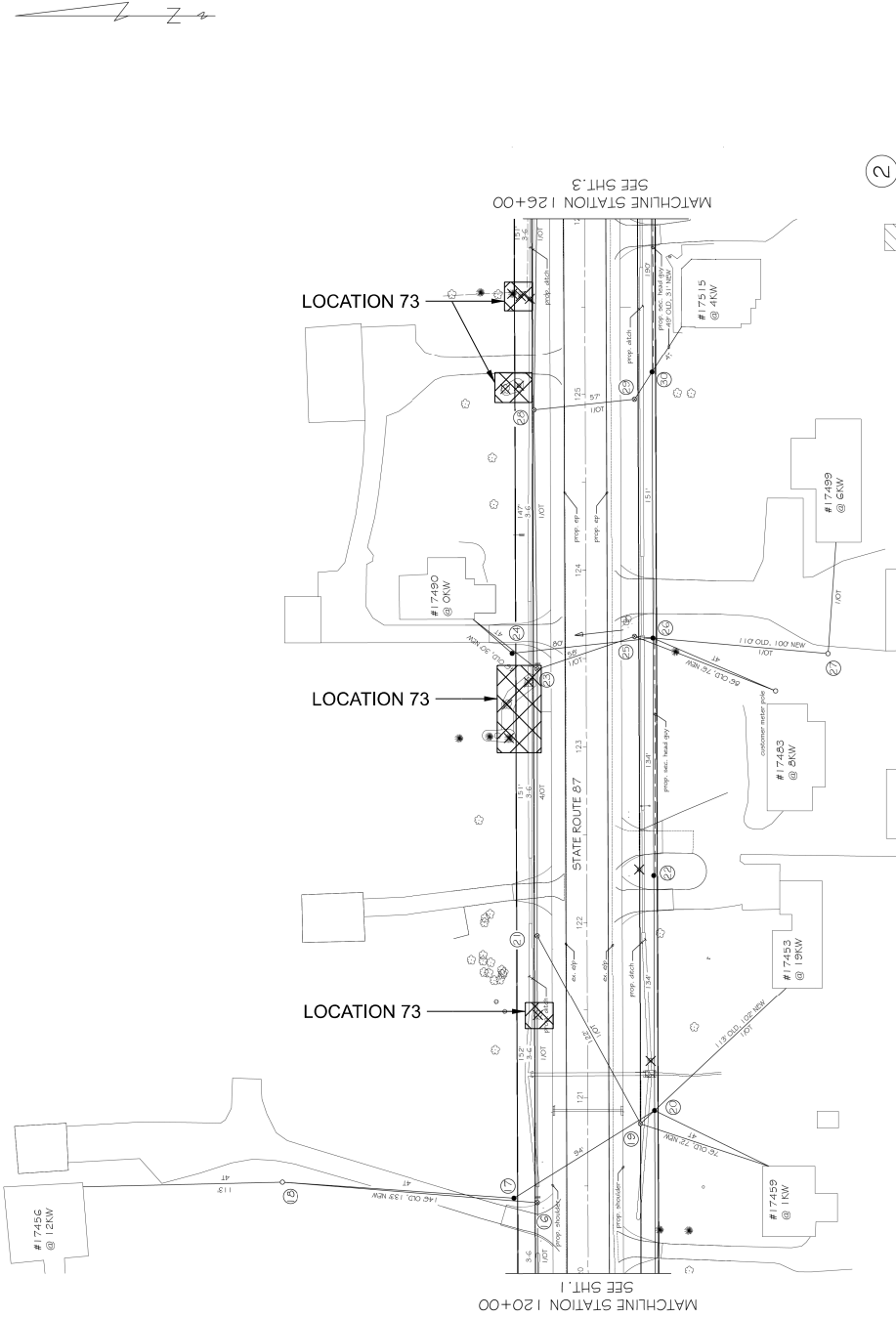
DESIGNER AGENCY



DESIGNER	DAB
REVIEWER	EMK
PROJECT ID	111637
SHEET TOTAL	P.15B 34

D12-MNT-FY2021

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DETAILED MAPS

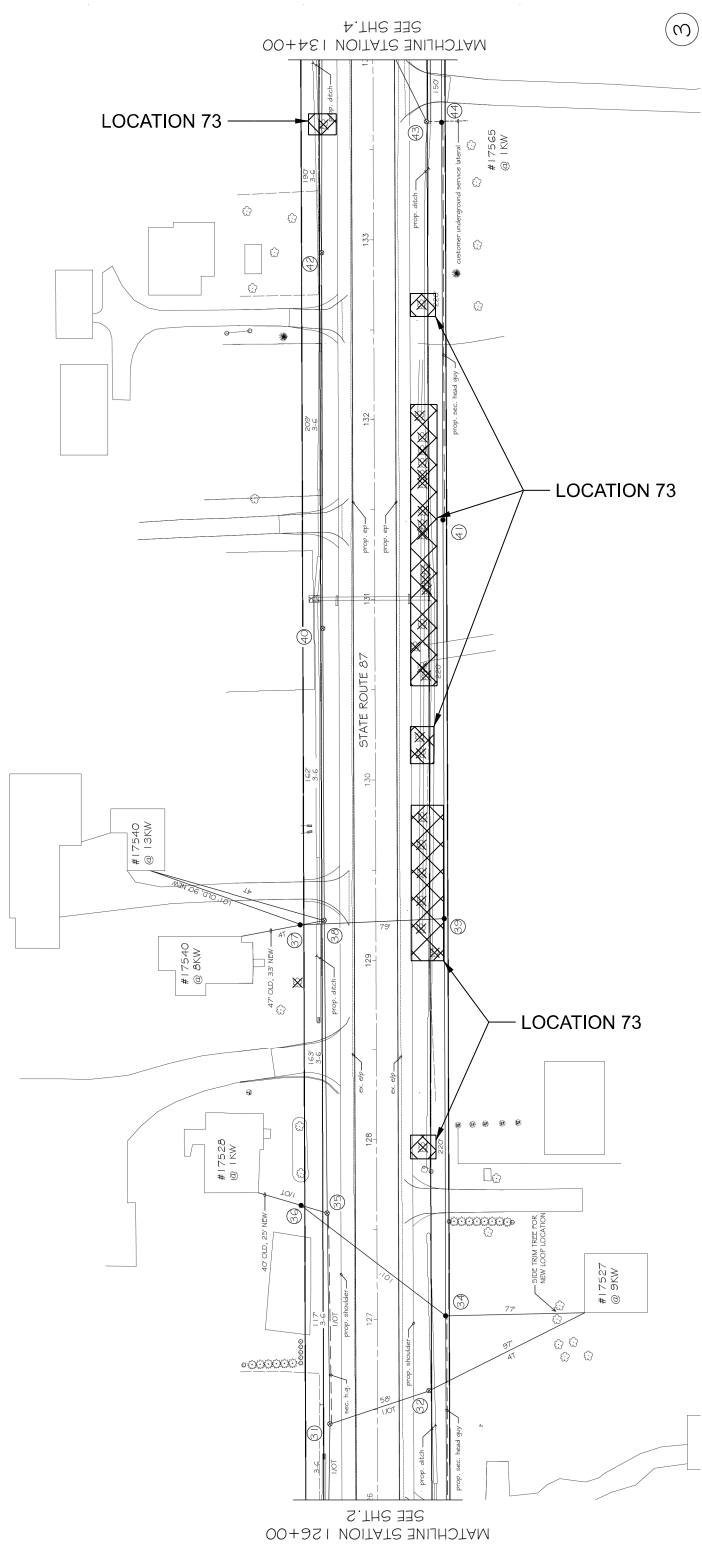
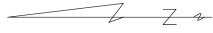
DESIGN AGENCY



DESIGNER	DAB
REVIEWER	EMK
PROJECT ID	111637
SHEET TOTAL	P.15C 34

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DETAILED MAPS

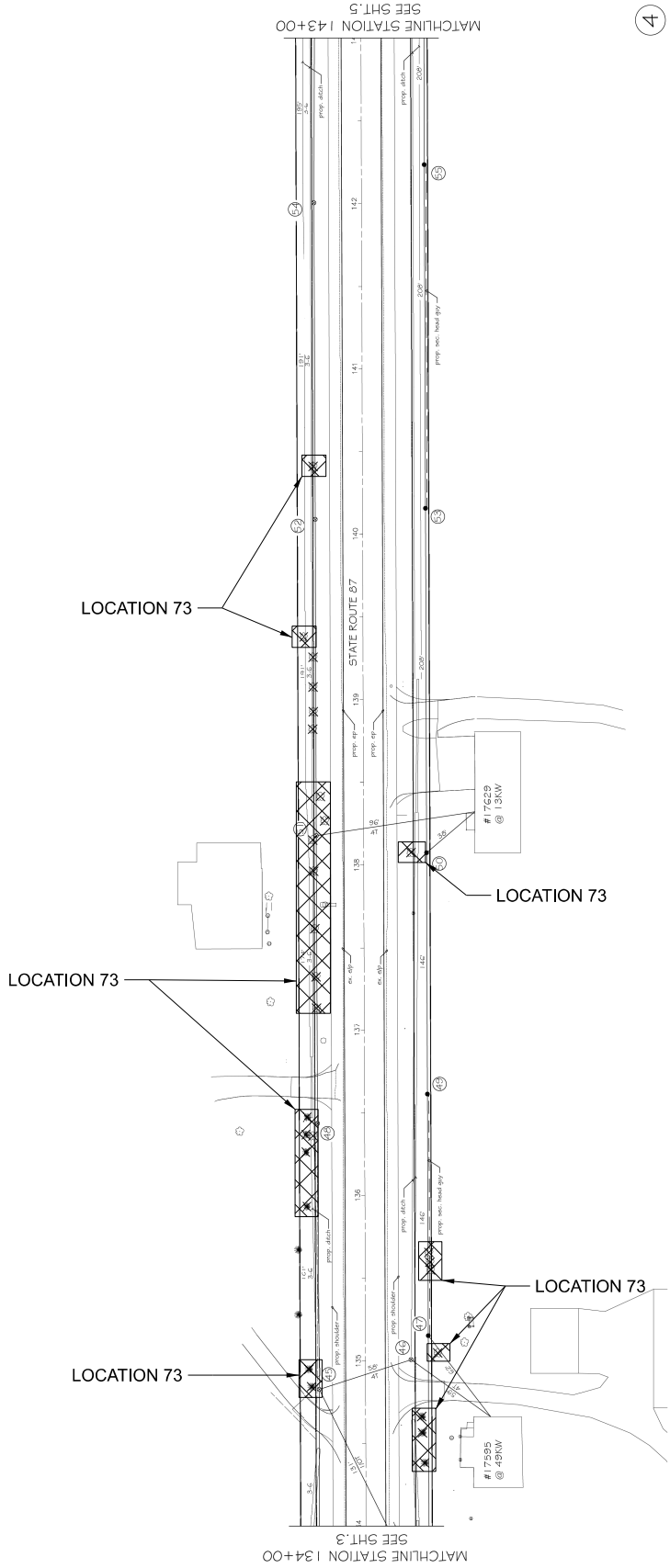
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DESIGNER	DAB
REVIEWER	EMK
PROJECT ID	111637
SHEET	TOTAL
P.15D	34

D12-MNT-FY2021

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DETAILED MAPS

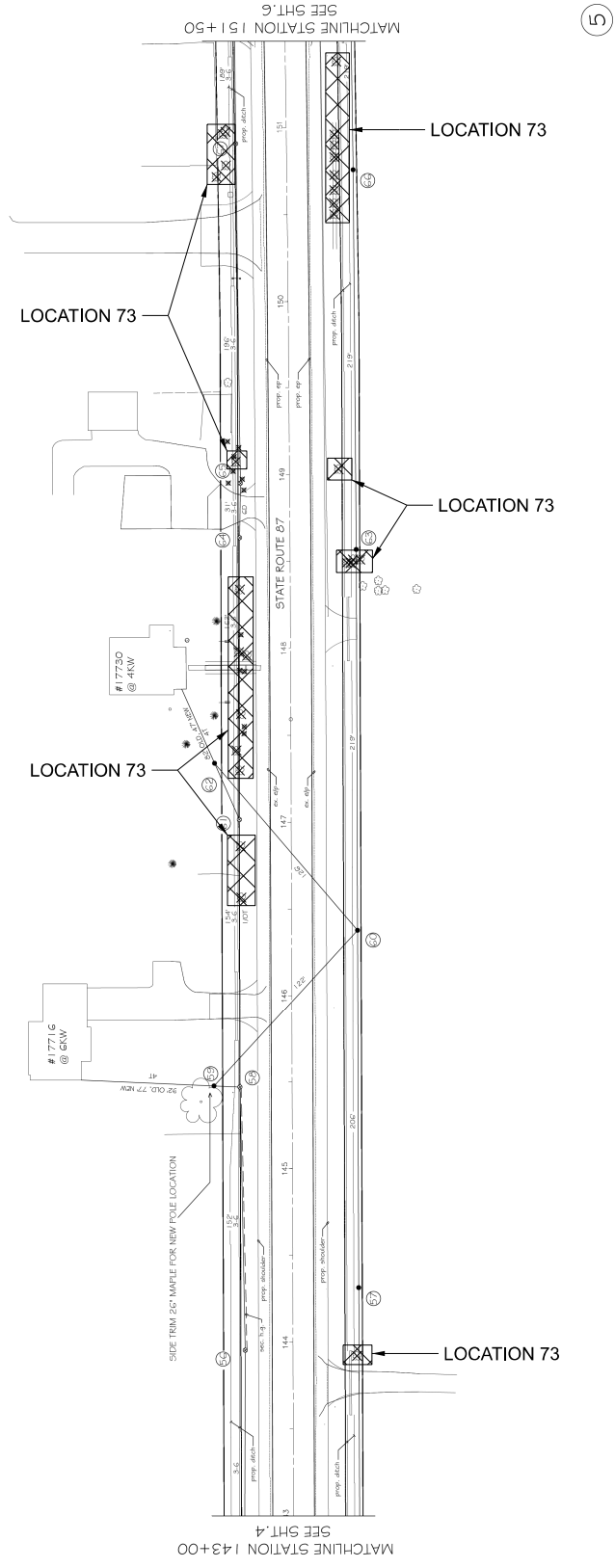
DESIGNER AGENCY



DESIGNER	DAB
REVIEWER	EMK
PROJECT ID	111637
SHEET	TOTAL
P.15E	34

D12-MNT-FY2021

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DETAILED MAPS

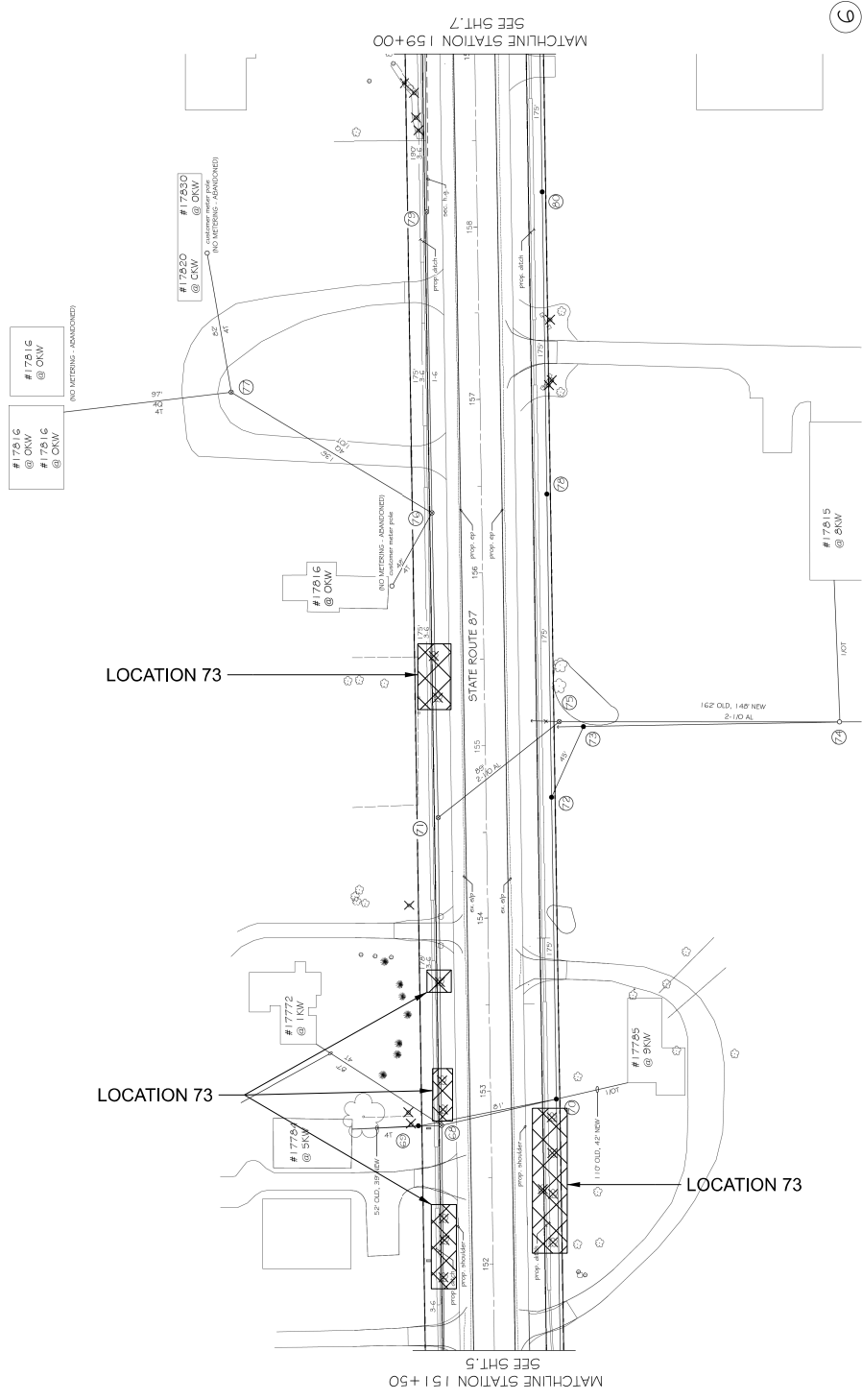
DESIGN AGENCY



DESIGNER	DAB
REVIEWER	EMK
PROJECT ID	111637
SHEET	TOTAL
P.15F	34

D12-MNT-FY2021

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LOCATION 73

LOCATION 73

LOCATION 73

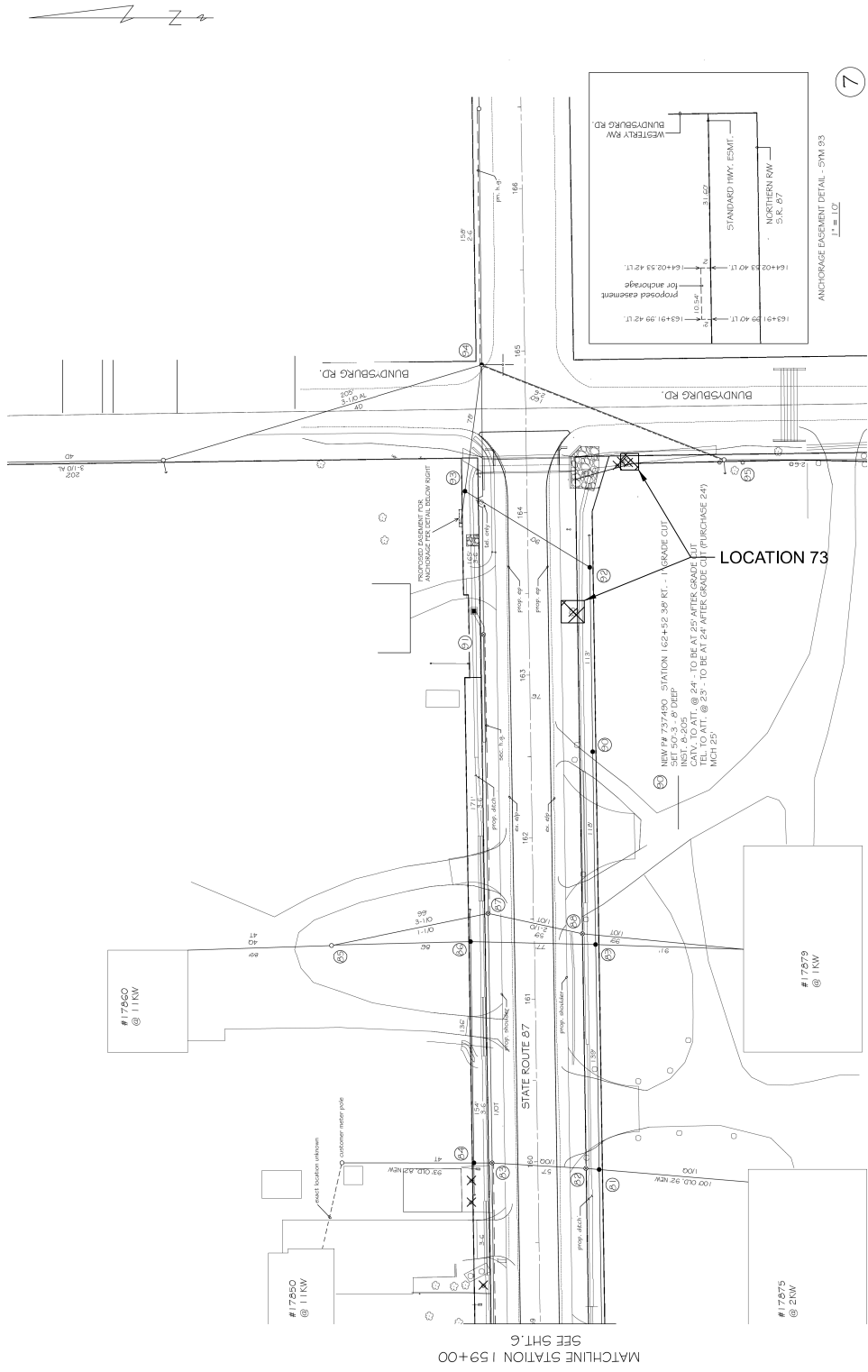
DESIGNER	
DAB	
REVIEWER	
EMK 09-02-20	
PROJECT ID	
111637	
SHEET	TOTAL
P.15G	34



DETAILED MAPS

D12-MNT-FY2021

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DETAILED MAPS

DESIGN AGENCY



DESIGNER	DAB
REVIEWER	EMK 09-02-20
PROJECT ID	111637
SHEET TOTAL	P.15H 34