PLANS	SHEET NUMBERS
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TUSCOLA COUNTY ROAD COMMISSION

IN COOPERATION WITH

MICHIGAN DEPARTMENT OF TRANSPORTATION
AND
FEDERAL HIGHWAY ADMINISTRATION

PLANS OF PROPOSED

CONTROL SECTION: 79000
JOB NUMBER: 210364

2021 FIXED OBJECT REMOVAL

ARBELA, MILLINGTON, NOVESTA, DAYTON, WELLS, ELLINGTON AND ELMWOOD TOWNSHIPS
TUSCOLA COUNTY

SECTIONS 12, 13, 19, 20, 22-27, 29 & 30, T10N-R7E
SECTIONS 7, 8, 17 & 18, T10N-R8E
SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 & 34, T11N-R10E
SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 & 34, T12N-R10E
SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 & 34, T13N-R10E
SECTIONS 3, 4, 5, 9, 10, 15 & 16, T13N-11E
SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 & 34, T14N-R10E

PRELIMINARY

AREA MAP
NOT TO SCALE

TRAFFIC DATA

ROAD NAME	PRESENT ADT (2021)	FUTURE ADT (2031)	POSTED SPEED	DESIGN SPEED	% COMMERCIAL
BIRCH RUN	6058	6058	55	60	9%
MILLINGTON	2258	2258	55	60	9%
VASSAR	1340	1340	55	60	9%
CEMETERY	2048	2048	55	60	9%
RIVER	486	486	55	60	3%
HURDS CORNER	3888	3888	55	60	9%

THE DESIGN OF THIS ROAD IS BASED ON THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2012 EDITION, AND SECTION C (3R) OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAMS GUIDELINES FOR GEOMETRICS ON LOCAL AGENCY PROJECTS - DATED 8/03/17, AND THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2011 EDITION.

CONTRACT FOR: 36.8 MILES IDENTIFICATION AND REMOVAL OF FIXED HAZARDOUS OBJECTS, UPDATES TO PERMANENT SIGNING.

TUSCOLA COUNTY ROAD COMMISSION APPROVAL

CHAIRMAN	JOHN G. LAURIE	DATE
VICE-CHAIRMAN	GARY L. PARSELL	DATE
MEMBER	JULIE MATUSZAK	DATE
MEMBER	DUANE WEBER	DATE
MEMBER	DAVID KENNARD	DATE
HIGHWAY ENGINEER	BRENT J. DANKERT, P.E.	DATE

THESE PLANS WERE PREPARED FOR THE TUSCOLA COUNTY ROAD COMMISSION BY

MICHAEL G. NIEDERQUELL, P.E. — REGISTRATION NO. 6201049825 — DATE

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MDOT ROAD STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS. THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-I
BUMPER & PARKING RAILS AND MISC. WOOD POSTS	R-74-D
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND SEWER BULKHEADS	R-80-E
BEDDING AND FILLING AROUND PIPE CULVERTS	R-82-D
UTILITY TRENCHES	R-83-C
PRECAST CONCRETE END SECTION FOR PIPE CULVERT	R-86-F
STEEL END SECTION	R-88-D
CULVERT SLOPED END SECTION	R-95-G
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	R-100-H

*SPECIAL DETAILS INCLUDED IN PROPOSAL

MDOT TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS. THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

ROADSIDE SIGN LOCATIONS AND SUPPORT SPACING	SIGN-120-E
STEEL POSTS	SIGN-200-E
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A*
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E*

*SPECIAL DETAILS INCLUDED IN PROPOSAL

11/2/2020 10:45 AM katherine.pfenninger

FINAL PLAN REVISIONS			
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SGI PROJECT NO: 128551SG2020
DATE: NOVEMBER, 2020
FILE: LP_TITLE.DWG
CS: 79000
JN: 210364

TITLE SHEET
2021 FIXED OBJECT REMOVAL

DRAWING	SHEET
TTL	1

UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE PLANS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

CONTACTS

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DTE ATT: SARA A KIPP 4100 DOERR ROAD CASS CITY, MI 48726	ELECTRIC PHONE: 989-897-6107 FAX: 989-872-6108 EMAIL: sara.force@dteenergy.com
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THUMB ELECTRIC COOPERATIVE ATT: CLINT SEIDL 2231 MAIN STREET UBLY, MI 48475	ELECTRIC PHONE: 989-658-8571 CELL: 989-553-5656 EMAIL: cseidl@tecmi.coop
WOLVERINE TELEPHONE CO ATT: WILLIAM BOUMAN P.O. BOX 292 4712 E. MAIN ST MILLINGTON, MI 48746	TELEPHONE PHONE: 989-971-5101 EMAIL: william.bouman@tdstelecom.com

PLAN SHEET REMOVAL LEGEND

COLD MILLING HMA SURFACE		ABANDON	A
HMA SURFACE REMOVE		BULKHEAD	B
REMOVING PAVEMENT		CLEARING	C
REMOVING SIDEWALK		REMOVING	R
HMA BASE CRUSHING AND SHAPING		SAVE	S
REMOVING CURB, GUTTER AND CURB & GUTTER			

SYMBOLS LEGEND

- ST - STORM MANHOLE
- SA - SANITARY MANHOLE
- W - WATER MANHOLE
- T - TELEPHONE MANHOLE
- E - ELECTRIC MANHOLE
- PROPOSED MANHOLE
- CATCHBASIN
- CURB CATCHBASIN
- PROPOSED CATCHBASIN
- CULVERT END SECTION
- PROPOSED CULVERT END SECTION
- FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- GAS VALVE
- WATER VALVE
- PROPOSED WATER VALVE
- WATER CURB STOP
- WATER METER
- TELEPHONE PEDESTAL
- POWER POLE
- TELEPHONE POLE
- POWER AND TELEPHONE POLE
- LIGHT POLE
- GUY ANCHOR AND POLE
- PERMANENT UTILITY MARKER
- CABLE TV PEDESTAL
- TRANSFORMER
- ELECTRICAL PEDESTAL
- EROSION CONTROL ITEM NUMBER (SEE STANDARD PLAN R-96 SERIES)
- MAIL BOX
- BARRIER FREE PARKING
- SPRINKLER
- RAILROAD SIGNAL
- ANTENNA
- SATELLITE DISH
- AC - AIR CONDITIONING UNIT
- SOIL BORING
- BENCH MARK
- CONTROL POINT
- FOUND SURVEY CORNER
- SET 1/2" IRON ROD
- BREAK IN LINE
- STUMP
- WETLANDS
- PINE
- BUSH
- TREE
- M.W. - MONITORING WELL
- HAND HOLE
- EXISTING SIGN-1 POST
- PROPOSED SIGN-1 POST
- EXISTING SIGN-2 POSTS
- PROPOSED SIGN-2 POSTS

HAZARDOUS OR FLAMMABLE MATERIAL - GAS OR ELECTRICAL LINES LABEL

CAUTION - CRITICAL UTILITY - FIBER OPTIC, TELEPHONE LINES, AND WATER MAIN LABEL

ADJ-_ - DR STRUCTURE COVER, ADJ, CASE _

ADJ-B/O - ADJUST BY OTHERS

REL-B/O - RELOCATE BY OTHERS

SWR-_ - SIDEWALK RAMP TYPE

GBA-_ - GATE BOX, ADJ, CASE _

SUPPORT - CONTRACTOR TO SUPPORT UTILITY POLE

PRESERVE - PRESERVE MONUMENT BOX

WSA-_ - WATER SHUTOFF, ADJ, CASE _

MWA-_ - MONITORING WELL, ADJ, CASE _

REL-_ - RELOCATE WITH CASE _

LINE TYPE LEGEND

- EXISTING WATER MAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND FIBER OPTIC
- EXISTING UNDERGROUND CABLE TV
- EXISTING GAS MAIN
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD UTILITY
- EXISTING FENCE
- EXISTING CURB & GUTTER
- EXISTING BUILDING
- PROPOSED STORM SEWER
- PROPOSED CURB & GUTTER
- PROPOSED REVERSE PAN CURB & GUTTER
- RIGHT-OF-WAY
- EASEMENT
- GUARDRAIL
- TREE LINE
- LANDSCAPING

PLAN SHEET CONSTRUCTION LEGEND

- HMA APPROACH

PRELIMINARY

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SGI PROJECT NO: 128551SG2020
DATE: NOVEMBER, 2020
FILE: LP_LEGEND.DWG

CS: 79000
JN: 210364

LEGEND
2021 FIXED OBJECT REMOVAL

DRAWING: LGND
SHEET: 2

11/2/2020 8:54 AM jennya

GENERAL NOTES

UNDERGROUND UTILITIES/MISS DIG
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174, 2013, THE CONTRACTOR SHALL DIAL 1-800-482-7171 OR 811 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE EXISTING UTILITIES ON THESE DRAWINGS HAVE BEEN SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND SHALL NOTIFY THE ENGINEER AS TO WHERE POSSIBLE CONFLICT EXISTS.

EXISTING WATER MAINS AND SEWERS
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PROPERLY IDENTIFIED EXISTING WATER MAINS AND/OR EXISTING SEWERS DURING THE CONSTRUCTION OF THIS PROJECT.

ADJUSTING MONUMENT BOXES
ALL GOVERNMENT CORNERS ON THIS PROJECT SHALL BE PRESERVED, WHETHER SHOWN OR NOT. IT MAY BE NECESSARY TO PLACE OR ADJUST MONUMENT BOXES, AS REQUIRED.

PAVEMENT MARKINGS AND SIGNS
ALL PERMANENT PAVEMENT MARKINGS, SHAPES, AND DIMENSIONS SHALL CONFORM WITH MDOT PAVEMENT MARKING TYPICALS PAVE-900 SERIES.

SOIL EROSION MEASURES
APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY THE ENGINEER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED/MULCH OR MULCH BLANKET AS DIRECTED BY THE ENGINEER.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND MAINTAINED UNTIL THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MEASURES SHALL ONLY BE PAID FOR ONCE.

SEED MIXTURE
THE DESIGNATION FOR THE PERMANENT TURF SEED MIXTURE ON THIS PROJECT SHALL BE THV.

DRAINAGE STRUCTURE OFFSETS AND ELEVATIONS
DRAINAGE STRUCTURE IN PROPOSED CURB - OFFSETS AND ELEVATIONS SHOWN ARE TO THE BACK AND TOP OF CURB. ALIGN THE STRUCTURE WITH THE BACK OF THE CASTING AND THE TOP OF THE CASTING FLUSH WITH THE PROPOSED BACK AND TOP OF CURB. DRAINAGE STRUCTURES IN OUTLAWN AREA AND PAVED AREA - OFFSET SHOWN IS TO CENTER OF STRUCTURE. RIM ELEVATIONS FOR DOME COVERS AND FLAT COVERS ARE TO THE TOP OF THE CASTING FRAME

GENERAL NOTES (CONT.)

LAWN SPRINKLERS/LANDSCAPING
OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING THE CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE BACK OF THE RIGHT OF WAY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE BACK OF THE RIGHT OF WAY OR AT A LOCATION DESIGNATED BY THE ENGINEER FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/0R LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK WILL NOT BE PAID FOR SEPARATELY.

CONNECTIONS TO EXISTING CULVERTS/SEWERS
THE EXTENSIONS/CONNECTIONS TO EXISTING CULVERTS/SEWERS ON THIS PROJECT MAY REQUIRE EXTRA WORK TO OBTAIN A TIGHT SEAL AT THE JOINT CONNECTING NEW PIPE TO EXISTING PIPE. THE JOINT BETWEEN THE EXISTING AND NEW PIPES SHALL BE CONSTRUCTED ACCORDING TO THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. ANY EXTRA WORK REQUIRED TO OBTAIN TIGHT JOINTS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN COMPENSATION FOR NEW PIPE.

PROPERTY OWNERS
PROPERTY OWNERS' NAMES, WHERE SHOWN, ARE FOR INFORMATION ONLY, AND THEIR ACCURACY IS NOT GUARANTEED.

SAWCUTS
PAYMENT FOR SAWCUTS REQUIRED TO REMOVE MISCELLANEOUS ITEMS, PAVEMENT AND/OR CURB AND GUTTER SHALL BE INCLUDED IN THOSE REMOVAL ITEMS.

TOPSOIL
CONTRACTOR SHALL REMOVE AND DISPOSE, OR SALVAGE AND STORE TOPSOIL A MINIMUM OF 4" DEEP. SALVAGED TOPSOIL SHALL BE STORED ON-SITE UNLESS WRITTEN PERMISSION IS OBTAINED AT AN OFF-SITE LOCATION. COST TO REMOVE AND DISPOSE, OR SALVAGE AND STORE TOPSOIL SHALL BE INCLUDED IN THE PAYMENT FOR OTHER ITEMS.

SALVAGED MATERIALS
IF CONTRACTORS CHOOSES TO USE SALVAGED MATERIALS FROM PROJECT TO MAINTAIN ACCESS, IT SHALL BE PLACED, MAINTAINED, AND REMOVED WHEN NO LONGER NEEDED AT CONTRACTOR'S EXPENSE.

MAINTAINING TRAFFIC QUANTITIES

2	Ea	Lighted Arrow, Type C, Furn
2	Ea	Lighted Arrow, Type C, Oper
1	LSUM	Minor Traf Devices
100	Ea	Plastic Drum, Fluorescent, Furn
100	Ea	Plastic Drum, Fluorecent, Oper
20	Ea	Sign Cover
636	Sft	Sign, Type B, Temp, Prismatic, Furn
636	Sft	Sign, Type B, Temp, Prismatic, Oper
1	LSUM	Traf Regulator Control

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS:

1	LSUM	Mobilization, Max ____
0.4	Acre	Clearing
250	Ft	Erosion Control, Silt Fence
50	Ea	Post, Mailbox
50	Syd	Riprap, Plain
1000	Syd	Slope Restoration, Modified

PRELIMINARY

10/30/2020 5:35 PM jennya

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SGI PROJECT NO: 128551SG2020
DATE: OCTOBER, 2020
FILE: LP_NOTES.DWG
CS: 79000
JN: 210364

NOTES SHEET
2021 FIXED OBJECT REMOVAL

DRAWING	SHEET
NOTES	3

GRAVEL DRIVEWAY REPAIR DETAIL

HMA DRIVEWAY REPAIR DETAIL

CONC DRIVEWAY REPAIR SECTION

GRAVEL DRIVEWAY REPAIR SECTION

HMA DRIVEWAY REPAIR SECTION

CONC DRIVEWAY REPAIR SECTION

HMA APPLICATION ESTIMATE

IDENT NO.	ITEM	RATE LBS PER SYD	PERFORMANCE GRADE	REMARKS
HA	HMA APPROACH	330	58-28	HMA, LVSP TOP COURSE EST @ 165#/SYD; HMA, LVSP LEVELING COURSE EST @ 165#/SYD

PLACE HMA BOND COAT AT 0.05-0.15 GAL/SYD BETWEEN LAYERS AS DIRECTED BY THE ENGINEER (INCLUDED IN PAYMENT FOR HMA PAVING)
THE AGGREGATE WEAR INDEX (AWI) FOR THE TOP COURSE SHALL BE 220 MINIMUM

PRELIMINARY

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MISCELLANEOUS DETAILS
2021 FIXED OBJECT REMOVAL

DRAWING	SHEET
DETS	4

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	HMA Surface, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Approach Cl II, 8 inch, Modified (Syd)	Apporach, Cl II, 6 inch, Modified (Syd)
18+30 L					66
TOTAL	####	####	####	####	66

REMOVAL QUANTITIES - THIS SHEET

0.1	Acre	Clearing
3	Ea	Tree, Rem, 19 inch to 36 inch
1	Ea	Tree, Rem, 37 inch or Larger
21	Ea	Tree, Rem, 6 inch to 18 inch
1	Ea	Stump, Rem, 6 inch to 18 inch
6	Ea	Tree, Rem, Less than 6 inch
1	Ea	Culv, Rem, Less than 24 inch

PRELIMINARY

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CONSTRUCTION
BIRCH RUN ROAD
STA 1+00 (POB) TO STA 44+50

DRAWING: PLAN30
SHEET: 34

11/2/2020 10:49 AM katherine.pfenninger

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	HMA Surface, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Approach CI I, 8 inch, Modified (Syd)	Approach, CI II, 6 inch, Modified (Syd)
50+37 L					55
81+28 R					50
87+26 L					37
TOTAL	####	####	####	####	142

REMOVAL QUANTITIES - THIS SHEET

6	Ea	Tree, Rem, 19 inch to 36 inch
5	Ea	Tree, Rem, 37 in or Larger
23	Ea	Tree, Rem, 6 inch to 18 inch
17	Ea	Tree, Rem, Less than 6 inch
3	Ea	Culv, Rem, Less than 24 inch

PRELIMINARY

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CONSTRUCTION
BIRCH RUN ROAD
STA 44+50 TO STA 93+40

DRAWING: PLAN31
SHEET: 35

10/30/2020 1:48 PM ryan.sullivan

STA 168+68, 30' L

2	Ea	Culv End Sect, 12 inch
32	Ft	Culv, Cl F, 12 inch

STA 183+98, 29' L

40	Ft	Culv, Cl F, 24 inch
2	Ea	Culv, Slp End Sect, 1 on 4, 24 inch, Longit

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	HMA Surface, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Approach Cl I, 8 inch, Modified (Syd)	Apporach, Cl II, 6 inch, Modified (Syd)
168+68 L					60
183+98 L					38
TOTAL	####	####	####	####	98

REMOVAL QUANTITIES - THIS SHEET

9	Ea	Tree, Rem, 19 inch to 36 inch
2	Ea	Tree, Rem, 37 inch or Larger
28	Ea	Tree, Rem, 6 inch to 18 inch
1	Ea	Stump, Rem, 19 inch to 36 inch
1	Ea	Stump, Rem, 6 inch to 18 inch
3	Ea	Tree, Rem, Less than 6 inch
1	Ea	Culv, Rem, Less than 24 inch
1	Ea	Culv, Rem, 24 inch to 48 inch

10/30/2020 1:48 PM ryan.sullivan

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CONSTRUCTION
BIRCH RUN ROAD
STA 145+01 TO STA 187+50

DRAWING	SHEET
PLAN32	36