

CITY OF HILLSDALE

SCENIC WALKING TRAIL

NORTH COUNTRY TRAIL - BAW BEESE TRAIL

BARNARD STREET TO SANDY BEACH

REVISIONS	DATE
DATE OF PLAN	3/10/26

SCENIC WALKING TRAIL
NORTH CTRY TR - BAW BEESE TR
SECTION 35 and 36, T6S-R3W
CITY OF HILLSDALE
HILLSDALE COUNTY, MICHIGAN
TRAIL REPAIRS
COVER SHEET

SCALE		
	NAME	DATE
DESIGNED	RDS	3/10/26
DRAWN	RDS	3/10/26
CHECKED		

DRAWING NO.
C1



Know what's below.
Call before you dig.

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171 OR 811 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO THE BEGINNING OF EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED.

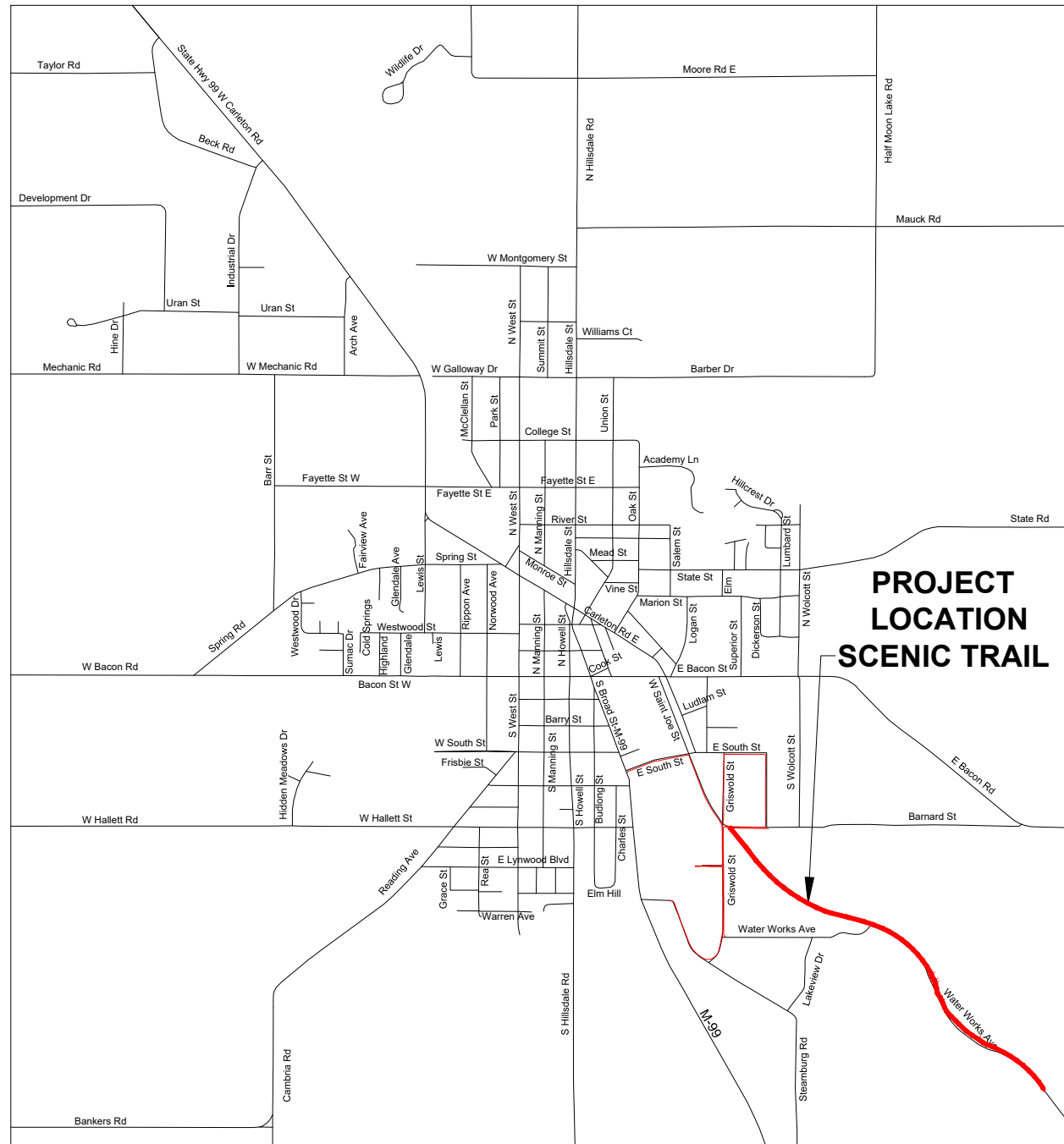
THE UTILITY LOCATIONS AS HEREON SHOWN ARE BASED ON FIELD OBSERVATIONS AND A CAREFUL REVIEW OF MUNICIPAL AND UTILITY RECORDS. HOWEVER, IT IS NOT POSSIBLE TO DETERMINE THE PRECISE SIZE, LOCATION, DEPTH, PRESSURE, OR ANY OTHER CHARACTERISTICS OF UNDERGROUND UTILITIES, TANKS OR SEPTIC FIELDS WITHOUT EXCAVATION. THEREFORE, WE CANNOT GUARANTEE THE ACCURACY OF COMPLETENESS OF THE BURIED UTILITY INFORMATION HEREON SHOWN.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND MAKE EVERY EFFORT TO PROTECT AND/OR RELOCATE THEM AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER/SURVEYOR AS SOON AS POSSIBLE IN THE EVENT A DISCREPANCY IS FOUND.

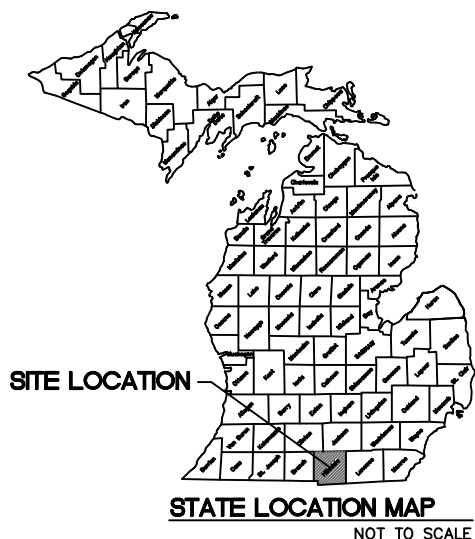
REFERENCES TO SPECIFICATIONS:
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROJECT DRAWINGS, NOTES, AND THE APPLICABLE SECTIONS OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE MICHIGAN MANUAL OF TRAFFIC CONTROL DEVICES (MMUTCD)

SH. NO.	DESCRIPTION
C1	COVER SHEET
C2	PLAN & PROFILE - BARNARD TO STA 37+00
C3	PLAN & PROFILE - STA 37+00 TO SANDY BEACH
C4	QUANTITIES
C5	DETAILS



AREA MAP
NOT TO SCALE

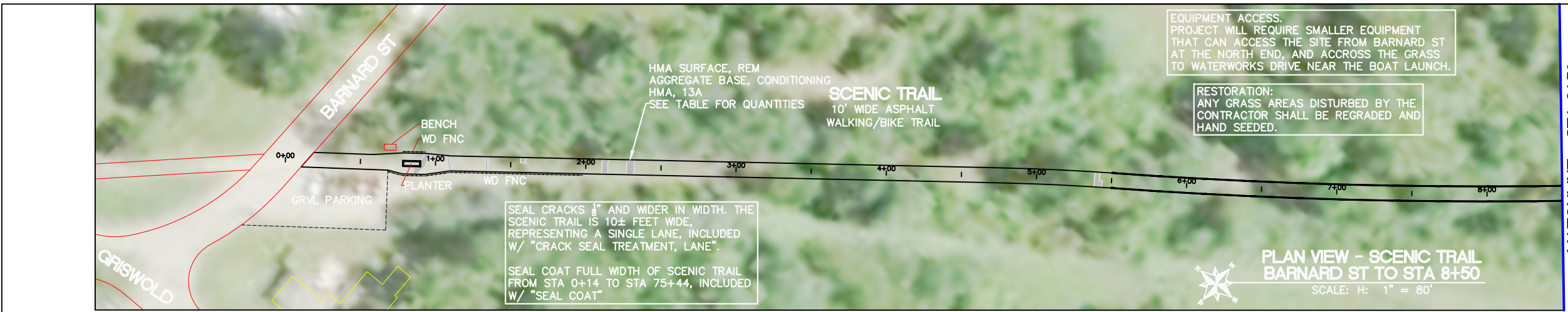


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NORTH CTRY TR - BAW BEESE TR
SECTION 35 and 36, T6S-R3W
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BARNARD ST TO STA 37+00

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DRAWING NO.
C2

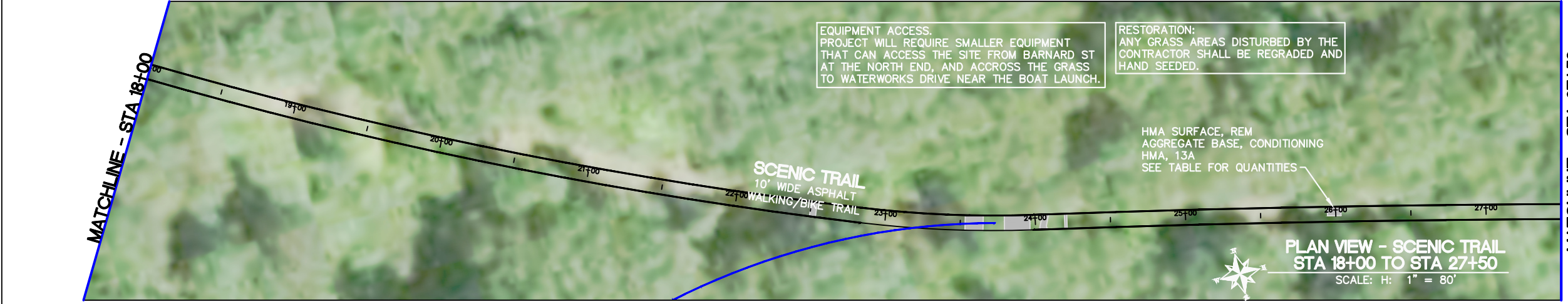


MATCHLINE - STA 8+50



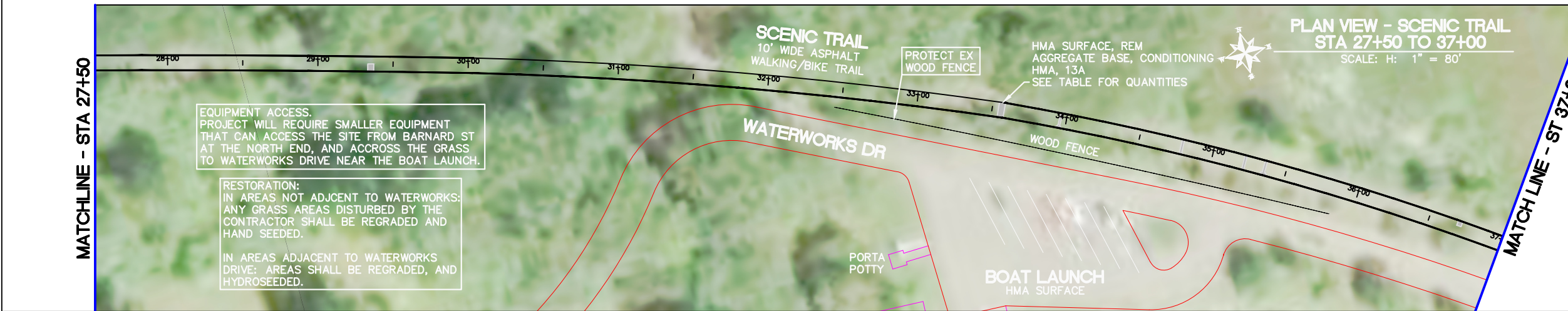
MATCHLINE - STA 8+50

MATCHLINE - STA 18+00



MATCHLINE - STA 18+00

MATCHLINE - STA 27+50



MATCHLINE - STA 27+50

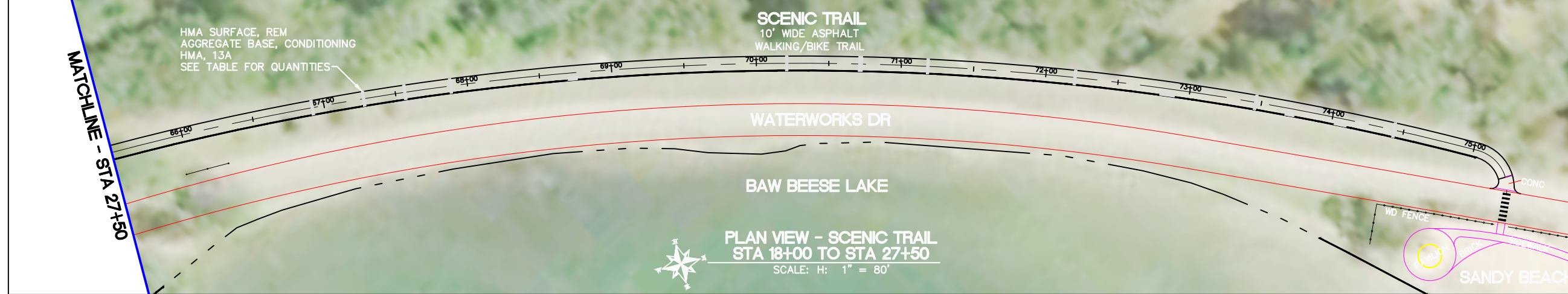
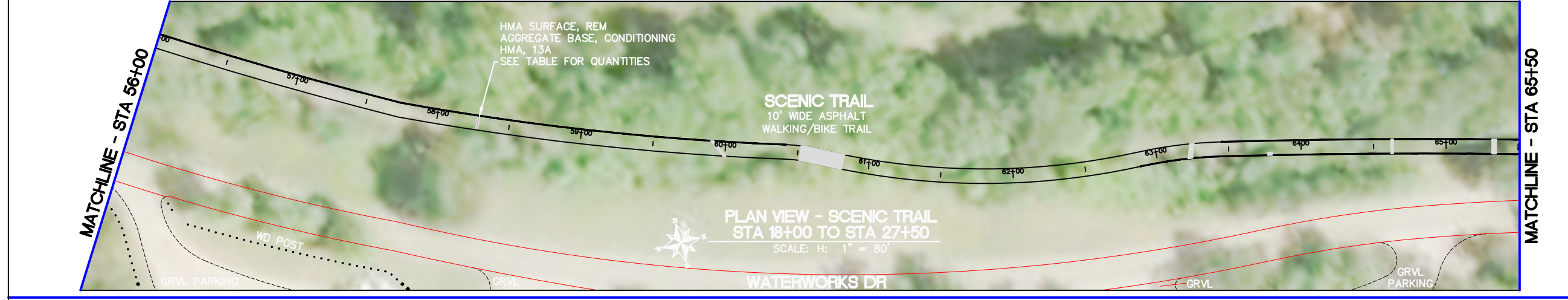
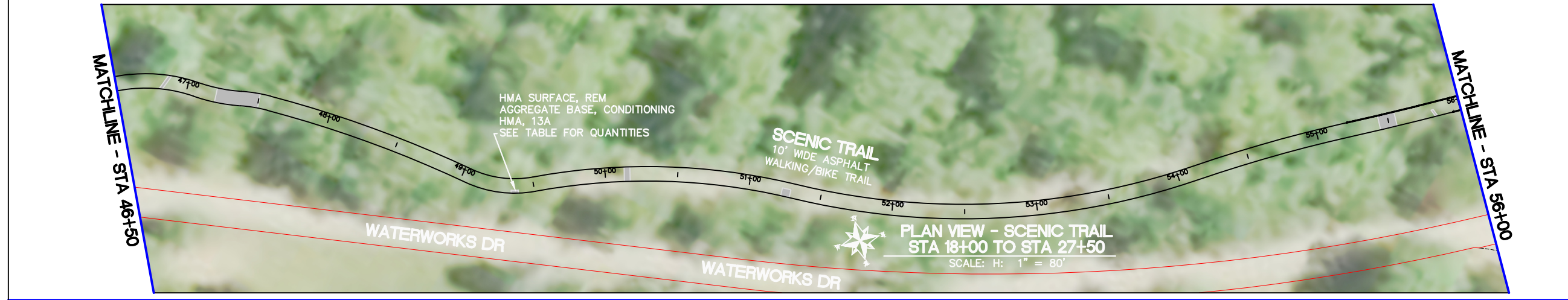
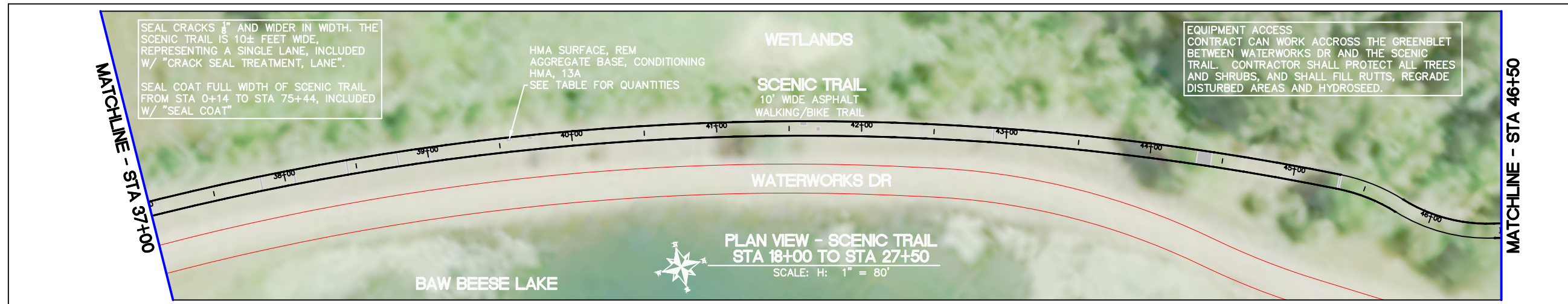
MATCHLINE - ST 37+00

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SCENIC WALKING TRAIL
NORTH CTRY TR - BAW BEESE TR
 SECTION 35 and 36, T6S-R3W
 CITY OF HILLSDALE
 HILLSDALE COUNTY, MICHIGAN
TRAIL REPAIRS
STA 37+00 TO SANDY BEACH

SCALE		
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DRAWING NO. **C3**



HMA Patch - Quantities by Location

Sta	Shape of Patch	HMA Surface, Rem (syds)	Aggregate Base, Conditioning (syds)	HMA , 13A (estimated tonnage) (tons)	Sta	Shape of Patch	HMA Surface, Rem (syds)	Aggregate Base, Conditioning (syds)	HMA , 13A (estimated tonnage) (tons)
0+00	CL of Barnard St - Road Access				39+56	3'x3.5'	1.2	1.2	0.23
0+90	Irregular	6.7	6.7	1.27	39+70	3'x3.5'	1.2	1.2	0.23
1+09	1.5' Strip	1.8	1.8	0.34	41+60	3'x5'	1.8	1.8	0.34
1+34	1.5' Strip	1.8	1.8	0.34	41+70	3'x3'	1.1	1.1	0.21
1+58	3.5'x3.5'	1.4	1.4	0.27	42+90	1.5' Strip	1.8	1.8	0.34
2+01	4' Stripe	4.7	4.7	0.89	44+19	2'x4'	0.9	0.9	0.17
2+15	Irregular	4.7	4.7	0.89	44+35	10' Strip	11.7	11.7	2.22
2+30	5' Strip	5.8	5.8	1.1	45+31	1.5' Strip	1.8	1.8	0.34
5+40	Irregular	4.8	4.8	0.91	46+85	2' Strip @ angle	2.7	2.7	0.51
8+75	4'x4'	1.9	1.9	0.36	47+35	30' Strip	35	35	6.64
12+05	1.5' Strip	1.8	1.8	0.34	49+40	2'x5'	1.2	1.2	0.23
12+75	2'x4'	0.9	0.9	0.17	50+15	4' Strip	4.7	4.7	0.89
12+94	2'x4'	0.9	0.9	0.17	51+25	5.5'x6'	3.9	3.9	0.74
13+00	1'x1'	0.1	0.1	0.02	52+04	2'x8'	1.9	1.9	0.36
13+17	2.5' Strip	2.9	2.9	0.55	55+50	12' Strip	14	14	2.66
13+50	1.5' Strip	1.8	1.8	0.34	55+83	1.5'x5'	0.9	0.9	0.17
14+26	1.5' Strip	1.8	1.8	0.34	58+27	1.5' Strip	1.8	1.8	0.34
15+65	1.5' Strip	1.8	1.8	0.34	59+95	1.5' Strip @ angle	2.3	2.3	0.44
22+52	4' Strip	4.7	4.7	0.89	60+68	30' Strip	35	35	6.64
23+60	12' Strip	14	14	2.66	63+24	3' Strip	3.5	3.5	0.66
23+87	17' Strip	19.8	19.8	3.76	63+80	2'x3'	0.7	0.7	0.13
24+05	Irregular	4.9	4.9	0.93	64+62	1.5' Strip	1.8	1.8	0.34
24+20	1.5' Strip	1.8	1.8	0.34	65+33	3' Strip	3.5	3.5	0.66
26+00	6'x9'	6.3	6.3	1.2	66+92	1.5' Strip	1.8	1.8	0.34
29+35	4'x5'	2.3	2.3	0.44	67+28	1.5' Strip	1.8	1.8	0.34
33+55	4' Strip	4.7	4.7	0.89	67+65	1.5' Strip	1.8	1.8	0.34
33+95	Irregular	1.8	1.8	0.34	67+89	1.5' Strip	1.8	1.8	0.34
34+80	Irregular	1.8	1.8	0.34	68+75	2'x6'	1.4	1.4	0.27
35+35	Irregular	2.2	2.2	0.42	70+21	1.5' Strip	1.8	1.8	0.34
36+00	Start - Road Access across Green Belt				70+70	2.5' Strip	2.9	2.9	0.55
36+70	3'x3.5'	1.2	1.2	0.23	71+18	1.5' Strip	1.8	1.8	0.34
37+10	Irregular	1.6	1.6	0.3	72+18	1.5' Strip	1.8	1.8	0.34
37+83	1.5' Strip	1.8	1.8	0.34	72+85	2'x10'	2.3	2.3	0.44
38+06	1.5' Strip	1.8	1.8	0.34	73+47	1.5' Strip	1.8	1.8	0.34
38+43	1.5' Strip	1.8	1.8	0.34	73+70	2.5'x6'	1.8	1.8	0.34
38+78	1.5' Strip	1.8	1.8	0.34	74+06	2'x8'	1.9	1.9	0.36
39+00	1.5' Strip	1.8	1.8	0.34	74+43	1.5' Strip	1.8	1.8	0.34

Informational MDOT 22A Aggregate base Quantity: 11 Cyds
Include w/ "Aggregate Base, Conditioning"

Project Quantities		
Mobilization	1	LS
HMA Surface, Rem	283	Syds
Aggregate Base, Conditioning	283	Syds
HMA, 13A	54	Tons
Crack Seal Treatment, Lane	1.43	Lane mille
Seal Coat	8370	Syds
Traffic Control	1	LS

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NORTH CTRY TR - BAW BEESE TR
SECTION 35 and 36, T6S-R3W
CITY OF HILLSDALE
HILLSDALE COUNTY, MICHIGAN**

**TRAIL REPAIRS
QUANTITIES**

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CHECKED		

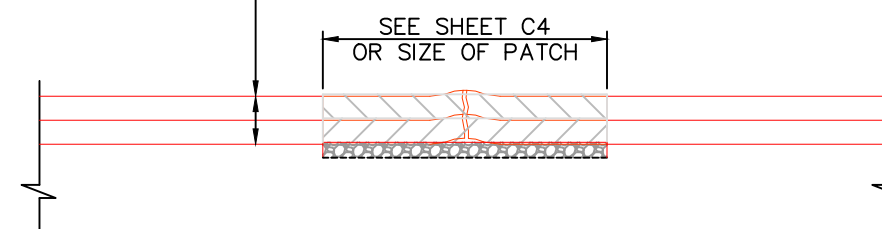
DRAWING NO.
C4

1. CONTRACTOR SHALL VISIT THE PROJECT SITE AND REVIEW PATCH LOCATIONS AS ILLUSTRATED ON PLANS AND AS PAINTED IN THE FIELD BY CITY OF HILLSDALE REPRESENTATIVES.
2. PEDESTRIAN CONTROL
 - (1) PEDESTRIAN TYPE II BARRICADES TO BE PLACED AT TRAIL HEAD OFF OF BARNARD STREET.
 - (2) PEDESTRIAN TYPE II BARRICADE TO PLACED AT TRAIL HEAD AT SANDY BEACH
 - (3) PEDESTRIAN TYPE II BARRICADES TO BE PLACED AT END OF EACH DAY'S WORK ZONE.
 - (4) TYPE II TRAFFIC CONES TO BE SET ACROSS TEMPORARY DRIVE ACCESS AT NIGHT.
3. HMA COLD MILLING'S OR PAVEMENT MECHANICALLY REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE LOCATION. TO BE INCLUDED W/ "HMA SURFACE, REM"
4. EXISTING PAVEMENT THICKNESS IS TYPICALLY 3 INCHES. HMA SURFACE REMOVAL WILL BE PAID FOR BASED ON THE AREA UNIT (SYDS) FOR THICKNESS UP TO 5 INCHES. IF CONTRACTOR ENCOUNTERS THICKNESS GREATER THAN 5 INCHES NOTIFY THE CITY OF HILLSDALE REPRESENTATIVE.
5. MDOT 22a AGGREGATE BASE MATERIAL TO BE USED TO BACKFILL HMA SURFACE REMOVAL AREAS TO WITHIN 2-7/8" OF FINISH SURFACE. AN INFORMATIONAL QUANTITY TO BE INCLUDED WITH "RE-GRADE GRAVEL SURFACE" IS INCLUDED ON BID FORM. INFORMATIONAL QUANTITY IS BASED ON A DEPTH OF 1 INCH, IF PATCH AREAS REQUIRE MORE THAN 1 INCH OF AGGREGATE NOTIFY THE CITY OF HILLSDALE REPRESENTATIVE.
6. PLACE AND COMPACT HMA 13A MIX IN PATCH AREAS IN ACCORDANCE TO CURRENT MDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION. FINAL FINISH SURFACE TO BE $\pm \frac{1}{8}$ INCH OF EXISTING FINISH GRADE. HOT MIX ASPHALT (HMA) TO BE INCLUDE WITH "HMA PATCH, 13A"
7. CRACK FILL EDGES OF PROPOSED PATCHES, INCLUDED W/ "CRACK FILL TREATMENT, LANE"
8. CRACK FILL EXISTING CRACKS $\frac{1}{8}$ " OR WIDER FROM STA 0+14 TO 75+44, FULL WIDTH, INCLUDED W/ "CRACK FILL TREATMENT, LANE" COORDINATE ACTIVITIES WITH CITY OF HILLSDALE REPRESENTATIVE
9. PAVEMENT MARKINGS, BY OTHERS.
10. ACCESS OFF OF BARNARD STREET HAS AN EXISTING WOOD FENCES. COORDINATE WITH CITY OF HILLSDALE REPRESENTATIVE FOR REMOVAL AND REPLACEMENT OF FENCE. WORK TO BE COMPLETED BY CITY OF HILLSDALE.
11. IN AREAS WHERE THE SCENIC TRAIL IS SEPARATED FROM WATERWORKS DRIVE BY A GREENBELT. CONTRACTOR MAY WORK ACROSS THE GREENBELT WHERE READILY ACCESSIBLE. CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS, AND SHALL RESTORE ALL DISTURBED AREAS. INCLUDED W/ WITH OTHER PAY ITEMS OF WORK.
12. IN AREAS WHERE TREE ROOTS ARE CAUSING THE ASPHALT SURFACE TO HEAVE, ROOTS LARGER THAN 1 inch IN DIAMETER ARE TO BE CLEAN CUT USING A SAWSALL OR CHAINSAW OR SIMILAR EQUIPMENT PRIOR TO BACKFILLING.

PAVEMENT PATCH AREA WHERE INDICATED IN HMA PAVEMENT PATCH SCHEDULE AND MARKINGS IN FIELD BY CITY OF HILLSDALE. REMOVE EXISTING PAVEMENT FULL DEPTH FULL WIDTH COLD MILLING OR BY FULL DEPTH SAWCUT ALONG EDGES AND MECHANICALLY REMOVE EXISTING PAVEMENT. INCLUDE W/ "HMA SURFACE, REM"

RE-GRADE BASE MATERIAL TO A DEPTH OF 2-7/8" BELOW EXISTING FINISH SURFACE, PROVIDE ADDITIONAL MDOT 22a AGGREGATE BASE MATERIAL AS NEEDED, INFORMATIONAL QUANTITY IS BASED ON 1" OF NEW MATERIAL, IF DEPTH EXCEEDS 1" NOTIFY CITY REPRESENTATIVE. INCLUDE W/ "AGGREGATE BASE CONDITIONING"

PLACE (2) EQUAL LIFTS OF MDOT HMA 13A @ 165#/SYDS. FINISH SURFACE SHALL BE $\frac{1}{8}$ " \pm FROM EXISTING FINISH SURFACE. INCLUDE WITH "HMA, 13A"



PROPOSED HMA PATCH SECTION
 SCALE: NOT TO SCALE

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 SECTION 35 and 36, T6S-R3W
 CITY OF HILLSDALE
 HILLSDALE COUNTY, MICHIGAN**

**TRAIL REPAIRS
 DETAILS**

SCALE		
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DRAWING NO.
C5