

UTILITY COMPANY	UTILITIES
AT&T 337 N. ABBOTT, RM. 201 EAST LANSING, MI 48823 517.337.3660	TELEPHONE
CONSUMERS ENERGY 530 W. WILLOW ST. P.O. BOX 30162 LANSING, MI 48909 517.373.6100	GAS ELECTRIC
COMCAST 1070 TROWBRIDGE ROAD EAST LANSING, MI 48823 517.332.1012	CABLE TV
MERIDIAN CHARTER TOWNSHIP 5151 MARSH RD. OKEMOS, MI 48864 517.853.4440	WATER MAINS SANITARY SEWER PATHWAYS
WOLVERINE PIPE LINE 8105 VALLEYWOOD LANE PORTAGE, MI 49024-5251 231.323.2491	PETROLEUM PIPELINE
INGHAM COUNTY DRAIN COMMISSIONER 707 BUHL ST. MASON, MI 48854 517.676.8395	DRAINS STORM SEWER
INGHAM COUNTY ROAD DEPT 301 BUSH ST. MASON, MI 48854 517.676.9722	PUBLIC ROADS AND RIGHTS OF WAY

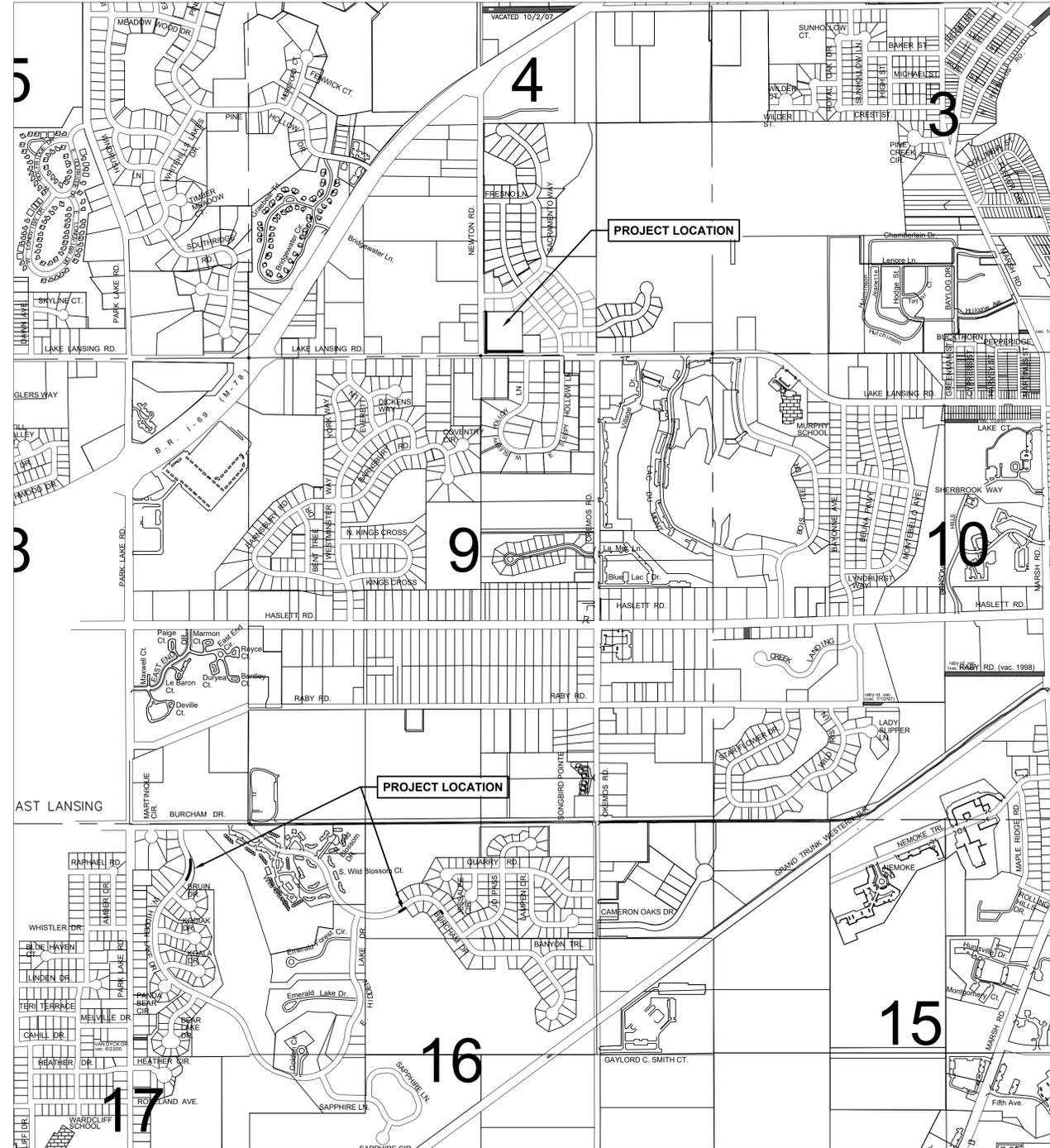
SOIL EROSION & SEDIMENTATION CONTROL NOTES

- All soil erosion and sediment control (SESC) work shall conform to the standards and specifications of the Ingham County Drain Commissioner's Office and Meridian Charter Township.
- Daily inspections shall be made by the contractor for effectiveness of SESC measures. Any necessary repairs shall be performed without delay.
- Erosion of any sediment from work on the site shall be contained on-site and not allowed to collect on any off-site areas or in waterways. Waterways include both natural and man-made open ditches, streams, storm drains, lakes, ponds, and wetlands.
- The Contractor shall apply temporary SESC measures when required and as directed on these plans. The Contractor shall remove temporary measures as soon as permanent stabilization of slopes, ditches, and other changes have been established.
- Staging the work shall be done by the Contractor as directed in these plans and as required to ensure progressive stabilization of disturbed earth.
- Soil erosion control practice shall be established in the early stages of construction by the Contractor. Sedimentation control practices shall be applied as a perimeter defense against any transporting of soil off the site.
- The Contractor shall preserve natural vegetation as much as possible.
- Vegetative stabilization of all disturbed areas shall be established within 15 days of completion of the final grading.

Newton Park Pathway- 2025 CONSTRUCTION PLANS FOR MERIDIAN CHARTER TOWNSHIP INGHAM COUNTY, MICHIGAN



Call 811 before you dig.



STANDARD CONSTRUCTION NOTES

- The Contractor shall notify the Charter Township of Meridian, Department of Public Works, Office of Engineering 517-853-4440 a minimum of 72 hours prior to the start of construction of public utilities or of construction within the public right-of-way.
- All construction shall conform to the current standards and specifications of the Charter Township of Meridian which are included as part of these plans in effect at the time of construction.
- After the completion of construction of public utilities or construction within public right-of-way, the contractor must request a final inspection. Any punchlist items resulting from the final inspection must be resolved prior to final release and acceptance.
- The existing utilities indicated on the plans are in accordance with available information. It shall be the contractor's obligation to verify the exact location of all existing utilities, which might affect this job.
- The contractor shall notify "MISS DIG" 1-800-482-7171 at least 72 hours prior to the start of construction.
- The contractor shall at all times be aware of inconvenience caused to the abutting property owners and the general public. Where the contractor does not remedy undue inconveniences, the Charter Township of Meridian, upon four hours notice, reserves the right to perform the work and deduct the cost therefrom from the money due the contractor.
- A Registered Land Surveyor provided by the contractor at the contractor's expense shall replace all property irons and monuments disturbed or destroyed by the contractor's operations.
- Contractor shall provide Owner and Township Engineer a copy of written permission to use private property for storage of equipment and materials or for his construction operations.
- Trench backfill under existing or proposed roadways, driveways, and parking areas, shall be sand or gravel, placed in 12" layers (maximum) and consolidated to 95% of maximum density as measured by modified proctor unless otherwise noted.
- Trees and shrubs are to be protected during construction and bored where necessary.
- Existing fences shall be removed and restored to their original condition or better where in conflict with construction.
- Driveways, culverts, ditches, drain tile, tile fields, drainage structures, etc., that are disturbed by the contractor's operations shall be immediately restored.
- All established lawn areas disturbed by the contractor's operations shall be resodded with matching sod. All other areas shall be seeded and mulched. Seeding and mulching shall be done in accordance with the General Specifications.
- All ditch slopes shall have established vegetation and be protected from erosion.
- All utility poles in close proximity to construction shall be supported in a manner satisfactory to the utility owner.
- Onsite parking and sanitary facilities shall be provided for construction workers. The facilities shall be constructed and operated (with minimal impact to the surrounding area) to the satisfaction of the Township.

PATHWAY NOTES

- Pathways and sidewalks shall be four (4) inch thick concrete except at driveways where they shall be six (6) inch (residential) or seven (7) inch (commercial) thick concrete.
- Three (3) inches of compacted sand base shall be placed under all pathways and sidewalks.
- All bituminous aprons shall be two and one-half (2½) inches thick, unless otherwise noted.
- Property irons shall be maintained by the Contractor.
- All existing concrete and bituminous to be removed shall be sawcut. All bituminous removal shall be considered incidental to construction.
- All aggregate base material shall be four (4) inches of 22A.
- All tree (less than 6") and shrub removal shall be considered part of subgrade preparation.
- Location of new plant material shall be as directed by the Engineer, and shall be installed in accordance with guidelines established by the A.N.L.A.
- All plant material not marked for removal shall be protected.
- Bituminous drives shall be sawcut 18" on either side of proposed pathway.
- The maximum longitudinal slope is 5% (up to an absolute maximum of 8½% at the direction of the Engineer) and the maximum cross slope is 2%.
- Expansion joints shall be placed at approximately 100' intervals and shall be ½" thick. Contraction joints shall be sawcut to a depth of ¼ of the depth of the concrete.
- All lumber to be pressure treated (Osmost 33 or equal) to 0.4 retention.
- All items not covered under a specific pay item shall be considered incidental.

Sheet List Table	
Sheet Number	Sheet Title
1	Cover Sheet
2	SESC Plan
3	SESC Plan
4	SESC Plan
5	SESC Notes & Details
6	Site Plan
7	Grading Plan
8	Site Plan
9	Site Plan
10	Typical Sections
11	Typical Details

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Meridian Charter Township
Ingham County, Michigan
Pathway

Cover Sheet

Newton Park Pathway - 2025

SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
INGHAM COUNTY, MICHIGAN

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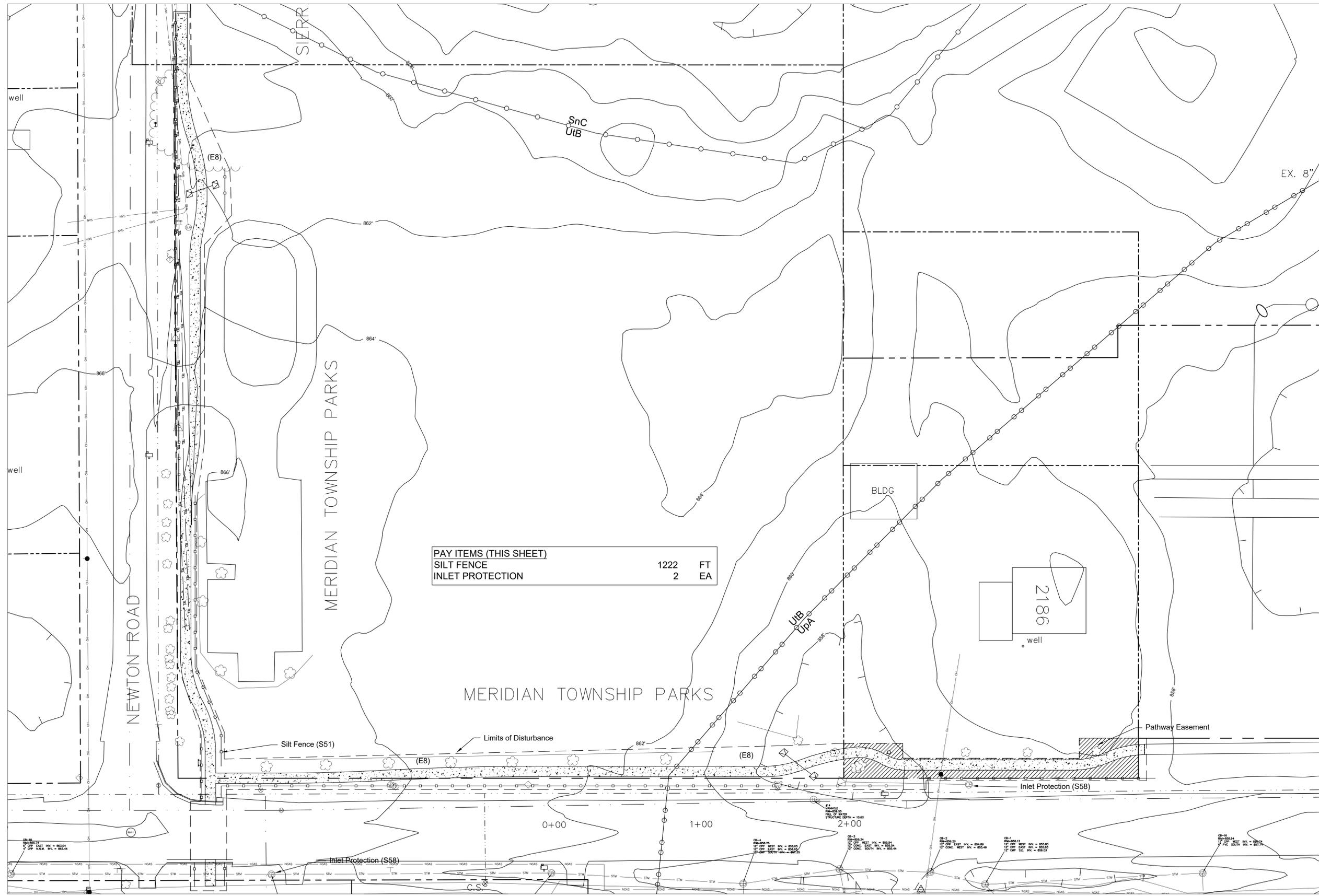
CHECKED BY: YI

REVISIONS:

DATE	BY:	COMMENTS:

SHEET:

Soils:
 UtB: Marlette complex, 2 to 12 percent slopes
 UpA: Urban land-Capac-Colwood complex, 0 to 4 percent slopes
 SnC: Sisson fine sandyloam, 6 to 12 percent slopes



LEGEND

	PROPERTY LINE
	EXISTING CONTOUR
	SOIL BOUNDARY
	SILT FENCE
	LIMITS OF DISTURBANCE

KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
SEDIMENT CONTROLS			
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.
E8	PERMANENT SEEDING		Stabilization method utilized on sites where earth change has been completed (final grading attained).

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WOLVERINE PIPE LINE COMPANY 219-844-9510

Meridian Charter Township
 Ingham County, Michigan
 Pathway

SESC Plan
 Newton Park Pathway - 2025
 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
 INGHAM COUNTY, MICHIGAN

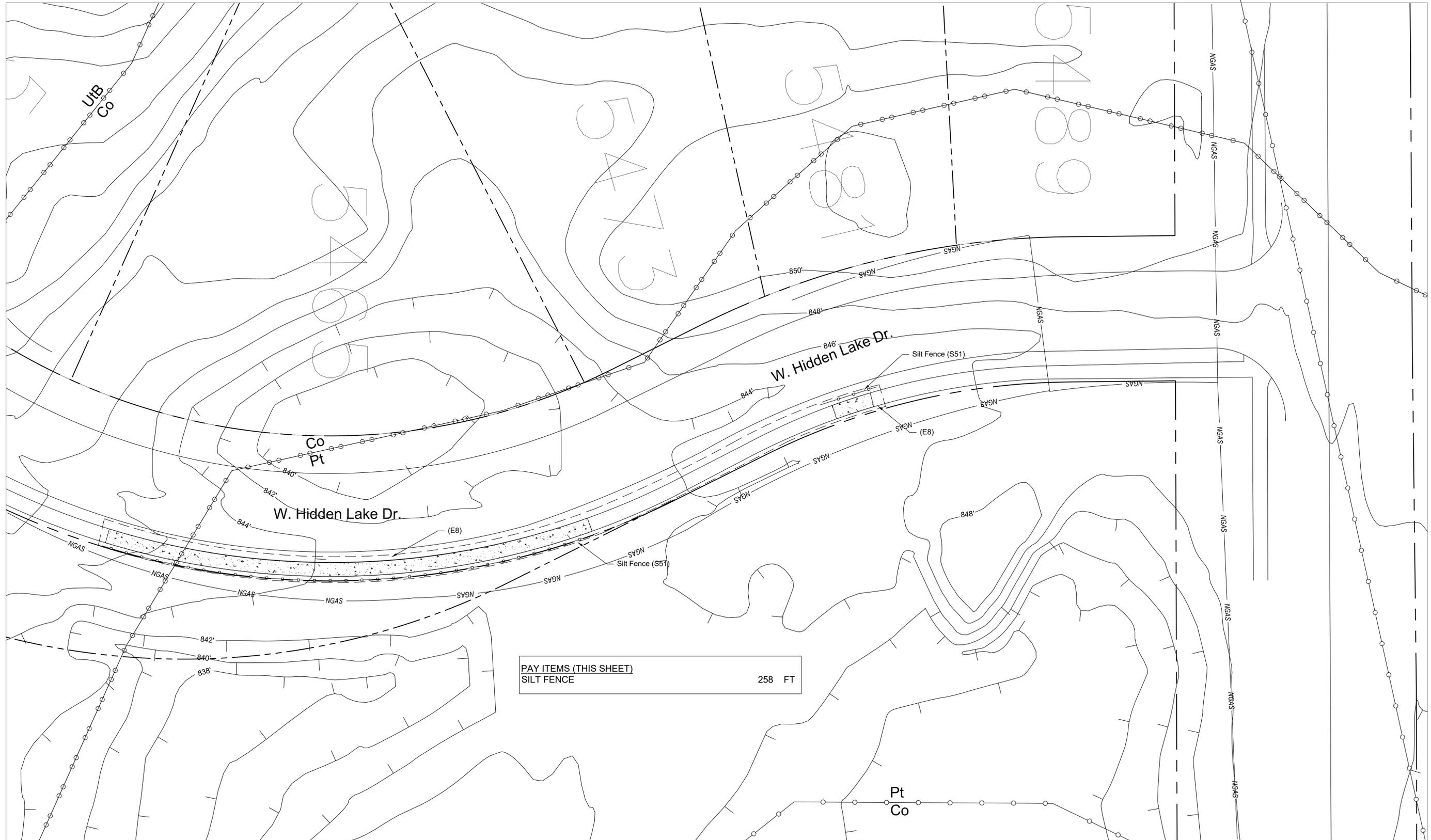
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SHEET:

2- SESC Plan



- LEGEND**
- PROPERTY LINE
 - EXISTING CONTOUR
 - SOIL BOUNDARY
 - SILT FENCE
 - LIMITS OF DISTURBANCE



Soils:
 UtB: Marlette complex, 2 to 12 percent slopes
 Co: Brookston loams
 Pt: Pits

Call 811 before you dig.

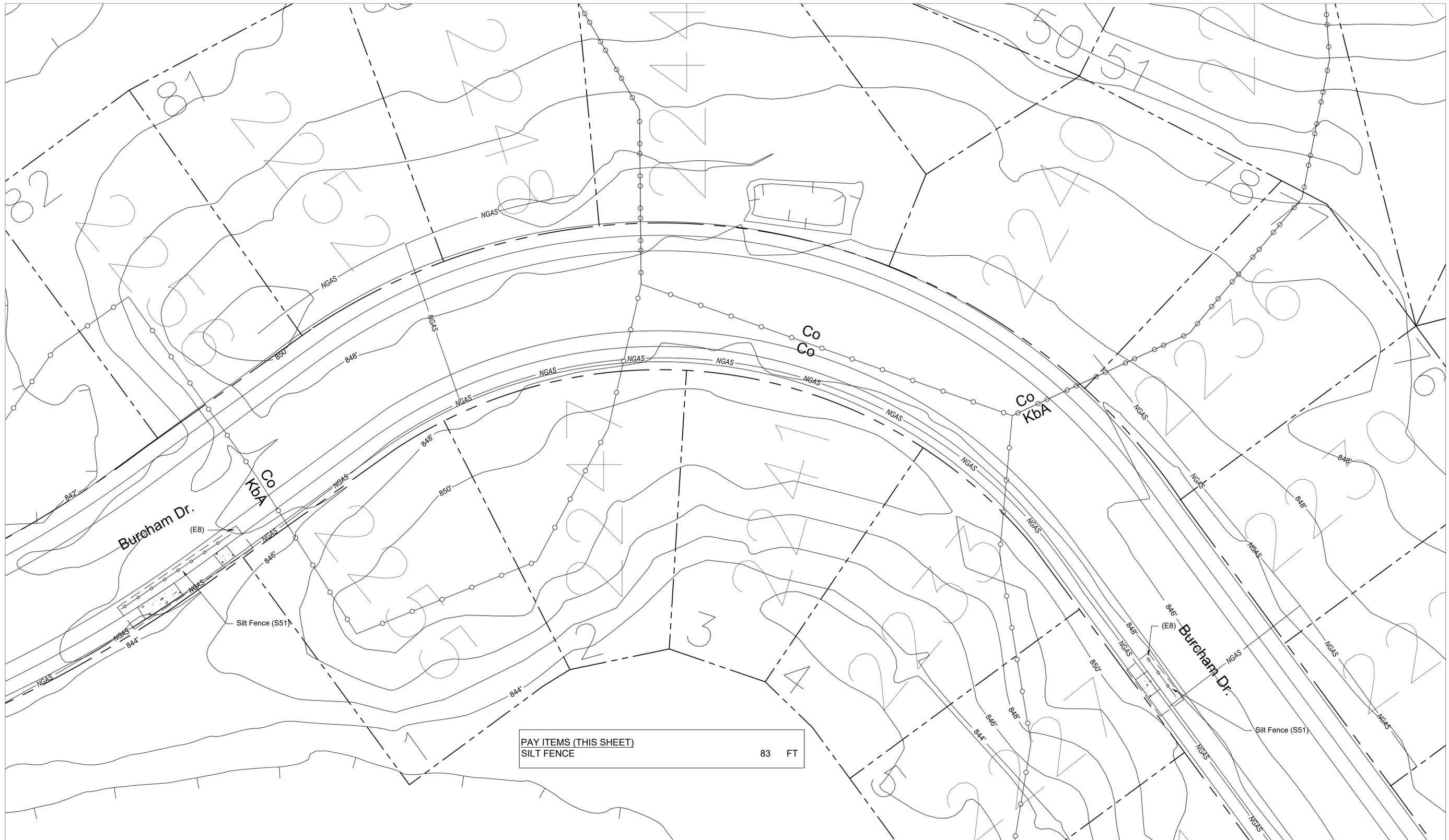
WOLVERINE PIPE LINE COMPANY 219-844-9510

Meridian Charter Township
 Ingham County, Michigan
 Pathway

SESC Plan
 Newton Park Pathway - 2025
 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
 INGHAM COUNTY, MICHIGAN

DRAWN BY: TH CHECKED BY: YI

REVISIONS:		
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SHEET:		



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- SOIL BOUNDARY
- SILT FENCE
- LIMITS OF DISTURBANCE



Soils:
 Co: Brookston loams
 KbA: Kibbie loam, 0 to 3 percent slopes

PAY ITEMS (THIS SHEET)
 SILT FENCE 83 FT

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Meridian Charter Township
 Ingham County, Michigan
 Pathway

SESC Plan
 Newton Park Pathway - 2025
 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
 INGHAM COUNTY, MICHIGAN

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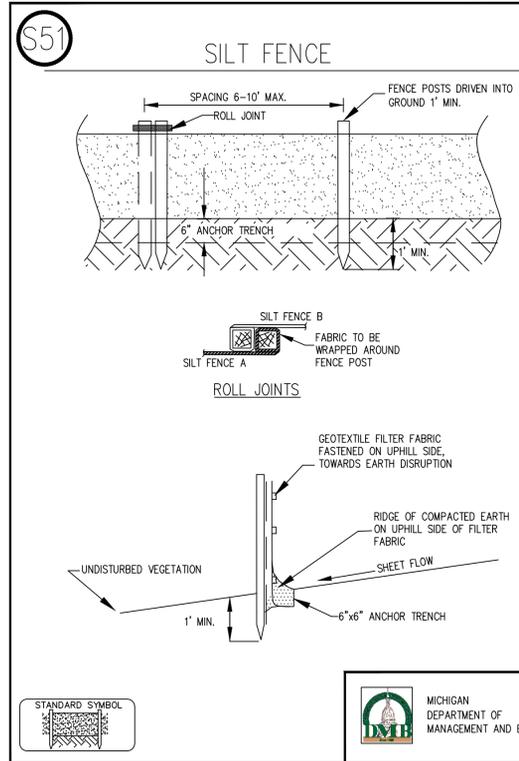
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- Soil erosion control practice shall be established in the early stages of construction by the Contractor. Sedimentation control practices shall be applied as a perimeter defense against any transporting of soil off the site.
- The Contractor shall preserve natural vegetation as much as possible.
- Vegetative stabilization of all disturbed areas shall be established within 5 days of completion of the final grading.

RECOMMENDED CONSTRUCTION SCHEDULING & SEQUENCING	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY
INSTALL SESC MEASURES												
GRADE THE SITE FOR THE PROPOSED PATHWAY												
CONSTRUCT THE PATHWAY												
SITE CLEANUP AND RESTORATION												
REMOVE SESC MEASURES ONCE THE SITE IS STABILIZED												



SILT FENCE SPECIFICATIONS

When

- A temporary measure for preventing sediment movement.

Why

- Used to prevent sediment suspended in runoff from leaving an earth change area.

Where

- Use adjacent to critical areas, wetlands, base of slopes, and watercourses.

How

- Install parallel to a contour.
- The silt fence should be made of woven geotextile fabric.
- Silt fence should accommodate no more than 1/2 to 1 acre of drainage per 100' of fence and on slopes less than 1:2 (v:h).
- Dig a 6" trench along the area where the fence is to be installed.
- Place 6" of the silt fence bottom flap into the trench.
- Backfill the trench with soil and compact the soil on both sides. Create a small ridge on the up-slope side of the fence.
- Install wooden stakes 6 - 10' apart and drive into the ground a minimum of 12".
- Staple the geotextile fabric to the wooden stakes.
- Join sections of silt fence by wrapping ends together (See drawing).

Maintenance

- Inspect frequently and immediately after each storm event. Check several times during prolonged storm events. If necessary, repair immediately.
- If the sediment has reached 1/3 the height of the fence, the soil should be removed and disposed of in a stable upland site.
- The fence should be re-installed if water is seeping underneath it or if the fence has become ineffective.
- Silt fence should be removed once vegetation is established and up-slope area has stabilized.

Limitations

- Silt fence may cause temporary ponding and could fail if too much water flows through the area.
- Do not use in areas with concentrated flows.
- Chance of failure increases if fence is installed incorrectly or if sediment accumulation is not removed.

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET

PERMANENT SEEDING SPECIFICATIONS

When

- To finalize stabilization of temporary seeding areas or when an area needs permanent stabilization following completion of construction. Also used when vegetative establishment can correct existing soil erosion or sedimentation problem.
- Within 5 days of final grade.

Why

- To stabilize soil and prevent or reduce soil erosion/sedimentation problems from developing.

Where

- Used on construction and earth change sites which require permanent vegetative stabilization.

How

- Review SESC plan and construction phasing to identify areas in need of permanent vegetative stabilization.
- Select perennial grass and ground cover for permanent cover.
- Seed mixes vary. However, they should contain native species.
- Seed mixes should be selected through consultation with a certified seed provider and with consideration of soil type, light, moisture, use applications, and native species content.
- Soil tests should be performed to determine the nutrient and pH levels in the soil. The pH may need to be adjusted to between 6.5 and 7.0.
- Prepare a 3-5" deep seedbed, with the top 3-4" consisting of topsoil.
- Slopes steeper than 1:3 should be roughened.
- Apply seed as soon as possible after seedbed preparation. Seed may be broadcast by hand, hydroseeding, or by using mechanical drills.
- Mulch immediately after seeding.
- Dormant seed mixes are for use after the growing season, using seed which lies dormant in the winter and begins growing as soon as site conditions become favorable.

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET

PERMANENT SEEDING SPECIFICATIONS

How (cont.)

- Protect seeded areas from pedestrian or vehicular traffic.
- Divert concentrated flows away from the seeded area until vegetation is established.

Maintenance

- Inspect weekly and within 24 hours following each rain event in the first few months following installation to be sure seed has germinated and permanent vegetative cover is being established.
- Add supplemental seed as necessary.

Limitations

- Seeds need adequate time to establish.
- May not be appropriate in areas with frequent traffic.
- Seeded areas may require irrigation during dry periods.
- Seeding success is site specific, consider mulching or sodding when necessary.

Planting Zones:	Lower Peninsula (South of T20N) Zone 1	Lower Peninsula (North of T20N) Zone 2	Upper Peninsula Zone 3
Seeding Window Permanent Seeding	4/15 - 10/10	5/1 - 10/1	5/1 - 9/20
Seeding Window Dormant Seeding*	11/15 - Freeze	11/01 - Freeze	11/01 - Freeze

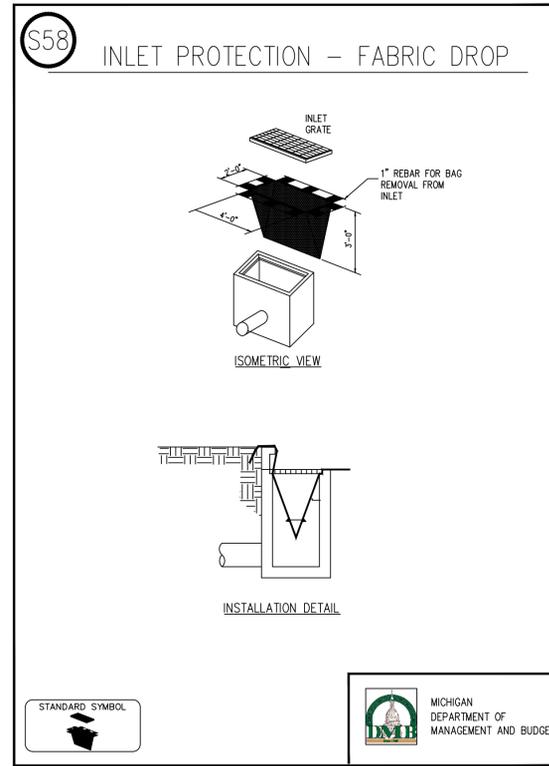
Source: Adapted from MDOT Interim 2003 Standard Specifications for Construction

	Zone 1 Lower Peninsula (South of U.S. 10)	Zone 2 Lower Peninsula (North of U.S. 10)	Zone 3 Upper Peninsula
Seeding Dates (with Irrigation or Mulch)	4/1 - 8/1	5/1 - 9/20	5/1 - 9/10
Seeding Dates (w/o Irrigation or Mulch)	4/1 - 5/20 or 8/10 - 10/1	5/1 - 6/10 or 8/1 - 9/20	5/1 - 6/15 or 8/1 - 9/20
Dormant Seeding Dates*	11/1 - Freeze	10/25 - Freeze	10/25 - Freeze

Source: Adapted from USDA NRCS Technical Guide #342 (1999)

- * Dormant seeding is for use in the late fall after the soil temperature remains consistently below 50°F, prior to the ground freezing. This practice is appropriate if construction on a site is completed in the fall but the seed was not planted prior to recommended seeding dates. No seed germination will take place until spring. A cool season annual grass may be added in an attempt to have some fall growth.
- Mulch must be used with dormant seed.
- Do not seed when the ground is frozen or snow covered.
- Do not use a dormant seed mix on grassed waterways.

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET



INLET PROTECTION - FABRIC DROP SPECIFICATIONS

When

- When sediment laden stormwater requires treatment before entering a stormwater drainage system.

Why

- To prevent sediment from entering stormwater systems.

Where

- Use in or at stormwater inlets, especially at construction sites or in streets.

How

- A filter fabric bag is hung inside the inlet, beneath the grate.
- Replace grate, which will hold bag in place.
- Anchor filter bag with 1" rebar for removal from inlet.
- Flaps of bag that extend beyond the bag can be buried in soil in earth areas.

Maintenance

- Drop inlet filters should be inspected routinely and after each major rain event.
- Damaged filter bags should be replaced.
- Clean and/or replace filter bag when 1/2 full.
- Replace clogged fabric immediately.
- If needed, initiate repairs immediately upon inspection.
- Remove entire protective mechanism when upgradient areas are stabilized and streets have been swept.

Limitations

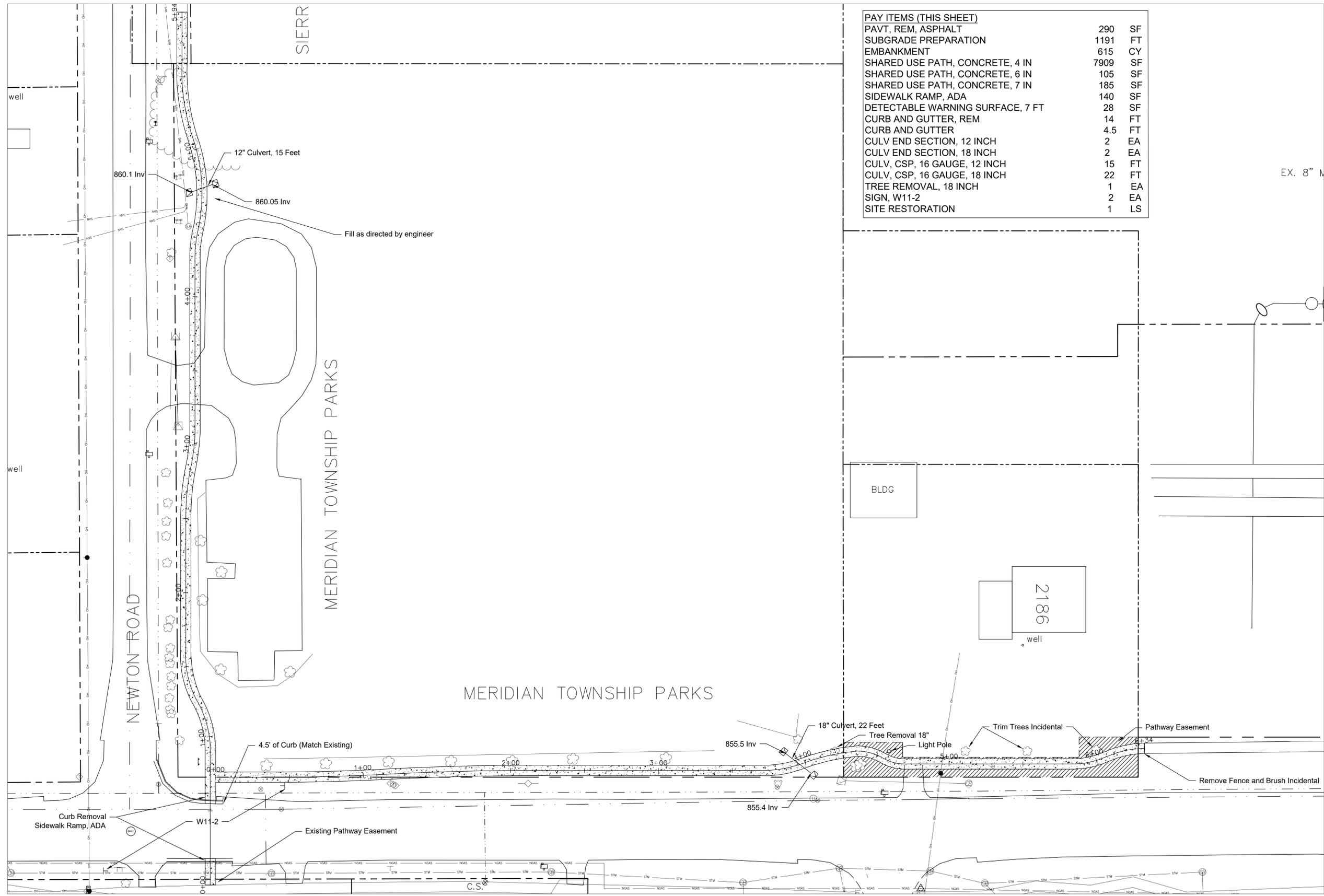
- Can only accommodate small flow quantities.
- Requires frequent maintenance.
- Ponding may occur around storm drains if filter is clogged.

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET

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<p>Meridian Charter Township Ingham County, Michigan Pathway</p>		<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY:</th> <th>COMMENTS:</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY:	COMMENTS:									
		DATE	BY:	COMMENTS:											
<p>SESC Details Newton Park Pathway - 2025 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN</p>		<p>SHEET:</p>													
<p>DRAWN BY: TH</p>	<p>CHECKED BY: YI</p>	<p>5- SESC Notes & Details</p>													



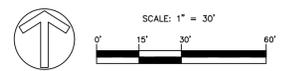
PAY ITEMS (THIS SHEET)		
PAVT, REM, ASPHALT	290	SF
SUBGRADE PREPARATION	1191	FT
EMBANKMENT	615	CY
SHARED USE PATH, CONCRETE, 4 IN	7909	SF
SHARED USE PATH, CONCRETE, 6 IN	105	SF
SHARED USE PATH, CONCRETE, 7 IN	185	SF
SIDEWALK RAMP, ADA	140	SF
DETECTABLE WARNING SURFACE, 7 FT	28	SF
CURB AND GUTTER, REM	14	FT
CURB AND GUTTER	4.5	FT
CULV END SECTION, 12 INCH	2	EA
CULV END SECTION, 18 INCH	2	EA
CULV, CSP, 16 GAUGE, 12 INCH	15	FT
CULV, CSP, 16 GAUGE, 18 INCH	22	FT
TREE REMOVAL, 18 INCH	1	EA
SIGN, W11-2	2	EA
SITE RESTORATION	1	LS

EX. 8" M

LEGEND

	PROPERTY LINE
	PROPOSED CONCRETE PATHWAY
	PROPOSED SIGN
	PROPOSED CULVERT

Benchmark
 #1. FOUND REMON/MONUMENT BOX INGHAM COUNTY MONUMENT
 STAMPED 39100, IN EXISTING MONUMENT BOX, SOUTH 1/4 SECTION
 CORNER, SECTION 4, T4N-R1W, MERIDIAN TOWNSHIP, INGHAM
 COUNTY, MICHIGAN.
 ELEVATION = 865.54 (DATUM = NAVD88)



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Meridian Charter Township
 Ingham County, Michigan
 Pathway

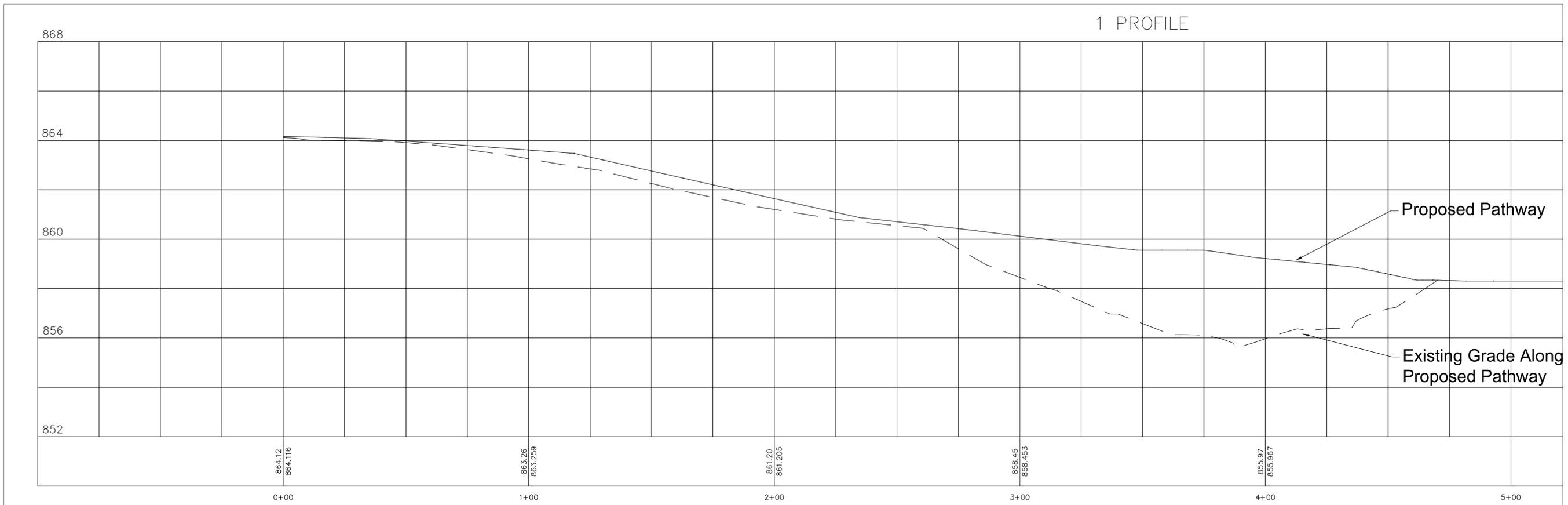
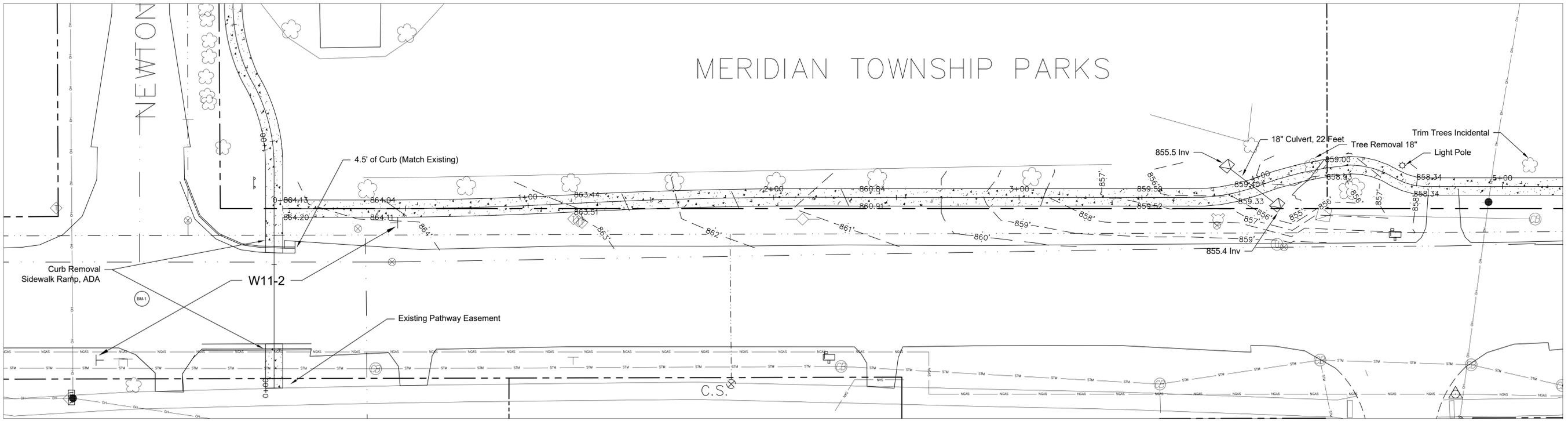
Site Plan
 Newton Park Pathway - 2025
 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
 INGHAM COUNTY, MICHIGAN

DRAWN BY: TH

CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:

SHEET:



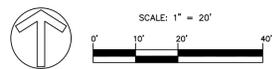
LEGEND

- PROPERTY LINE
- EXISTING CONTOUR

ADA NOTES:

1. THE CROSS SLOPE OF THE PATHWAY SHALL NOT EXCEED 2% SLOPE
2. A SLOPE BETWEEN 5% AND 8.33% CONSTITUTES AS A RAMP AND A LANDING PAD SHOULD BE LOCATED AT THE TOP AND BOTTOM OF EACH RAMP.
3. LANDING PADS MUST BE A MINIMUM OF 5'X8' AND THE SLOPE SHOULD NOT BE GREATER THAN 2% IN ANY DIRECTION.
4. THE MAXIMUM RISE OF EACH RAMP IS 30 INCHES. LANDINGS SHALL BE SPACED SO THAT EACH RAMP DOES NOT EXCEED 30 INCHES OF RISE.

Benchmark
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 STAMPED 39100, IN EXISTING MONUMENT BOX, SOUTH 1/4 SECTION
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WOLVERINE PIPE LINE COMPANY 219-844-9510

Meridian Charter Township
 Ingham County, Michigan
 Pathway

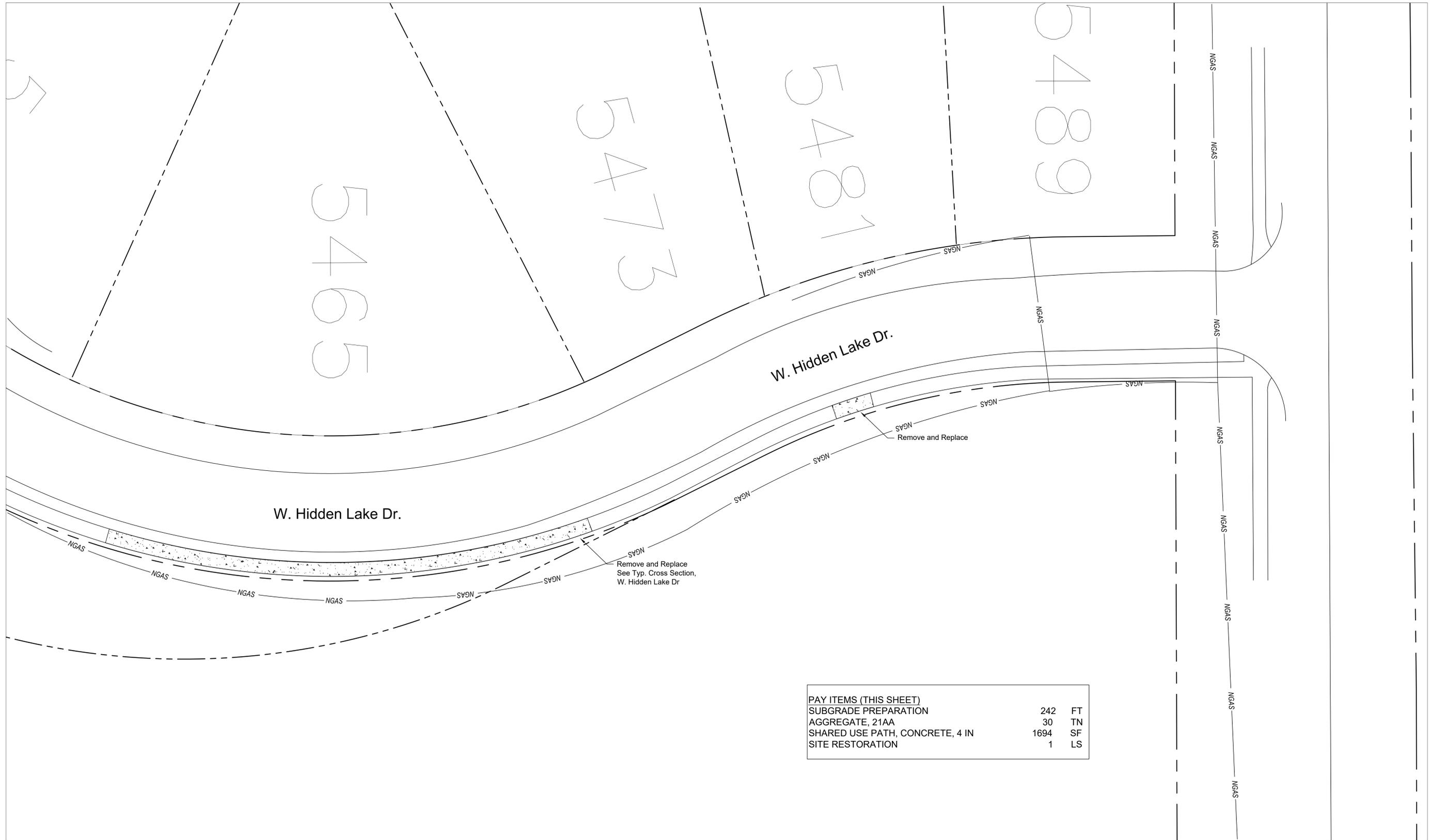
Grading Plan
 Newton Park Pathway - 2025
 SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
 INGHAM COUNTY, MICHIGAN

DRAWN BY: TH

CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:

SHEET:



PAY ITEMS (THIS SHEET)		
SUBGRADE PREPARATION	242	FT
AGGREGATE, 21AA	30	TN
SHARED USE PATH, CONCRETE, 4 IN	1694	SF
SITE RESTORATION	1	LS

LEGEND

- PROPERTY LINE
- PROPOSED CONCRETE PATHWAY



Call 811 before you dig.

WOLVERINE PIPE LINE COMPANY 219-844-9510

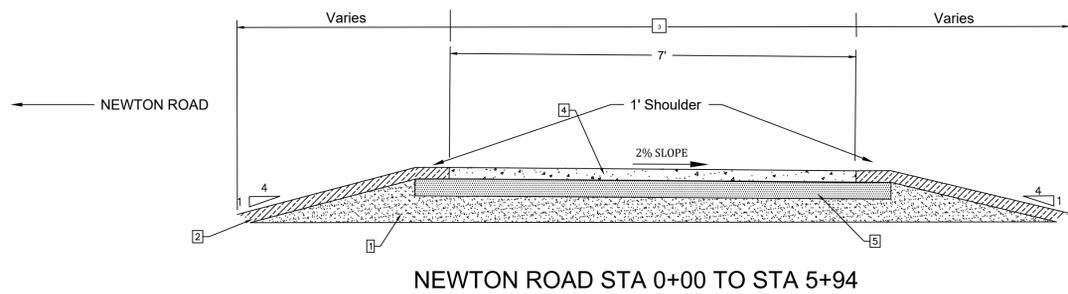
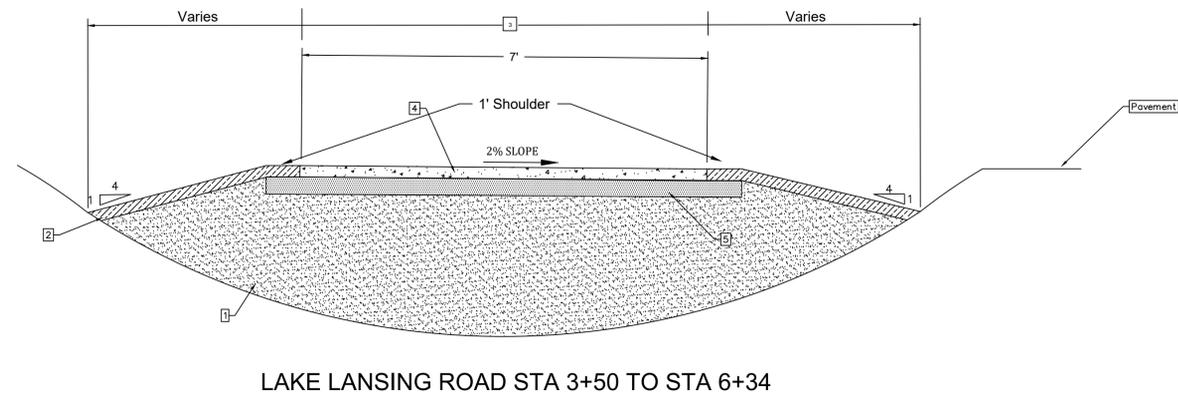
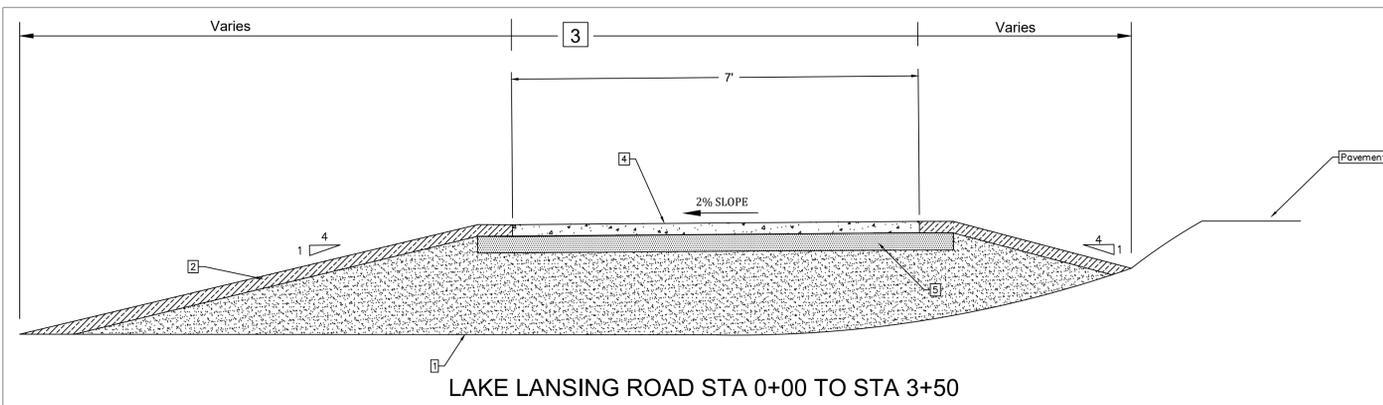
Meridian Charter Township
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Site Plan
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SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
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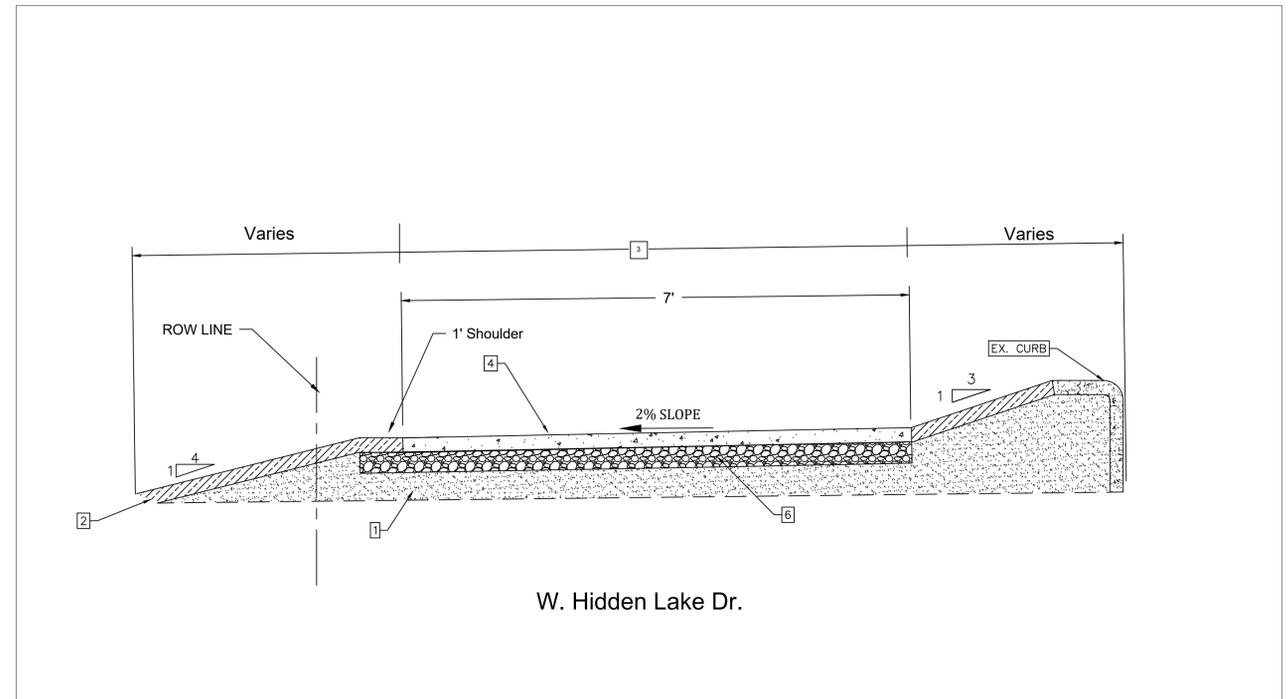
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REVISIONS:		
DATE	BY:	COMMENTS:

SHEET: 8- Site Plan



TYPICAL SECTIONS: CONCRETE PATHWAY



TYPICAL SECTIONS: CONCRETE PATHWAY

- GENERAL NOTES:**
- CROSS-SECTIONS ARE NOT TO SCALE.
 - SALVAGE OR REMOVE EXISTING TOPSOIL WITHIN THE GRADING LIMITS, OR AS DIRECTED BY THE ENGINEER. REMOVAL AND DISPOSAL WILL BE PAID FOR AS EXCAVATION, EARTH.
 - TOPSOIL FOR SITE RESTORATION MAY BE SALVAGED FROM SITE, BUT MUST BE SCREENED OR RAKED TO REMOVE 1" OR GREATER DEBRIS.
 - FOR SITE RESTORATION, USE SEED MEETING MDOT THM MIXTURE.

- LEGEND:**
- 1 EMBANKMENT, CLASS II SAND OR TOWNSHIP MILLINGS
 - 2 SITE RESTORATION, 3" SCREENED TOPSOIL
 - 3 SUBGRADE PREPARATION
 - 4 4" CONCRETE
 - 5 SAND BASE OR TOWNSHIP MILLINGS (3" DEPTH)
 - 6 AGGREGATE 21AA OR TOWNSHIP MILLINGS (6" DEPTH)

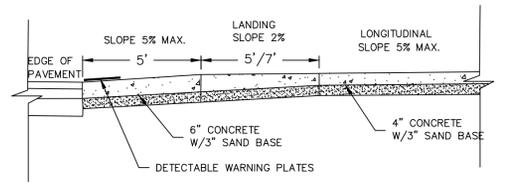
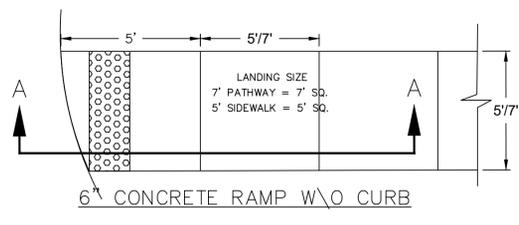
Call 811 before you dig.

Meridian Charter Township
Ingham County, Michigan
Pathway

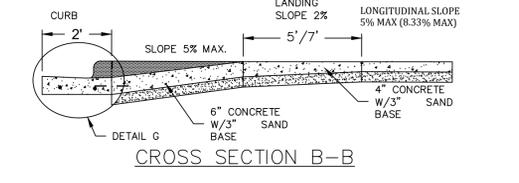
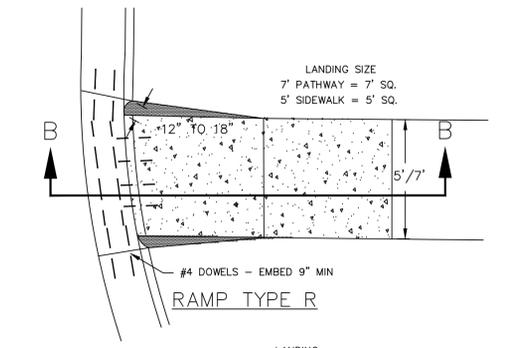
Typical Sections
Newton Park Pathway - 2025
SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
INGHAM COUNTY, MICHIGAN

REVISIONS:		
DATE	BY:	COMMENTS:

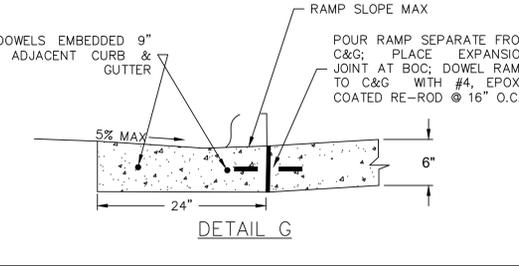
SHEET:



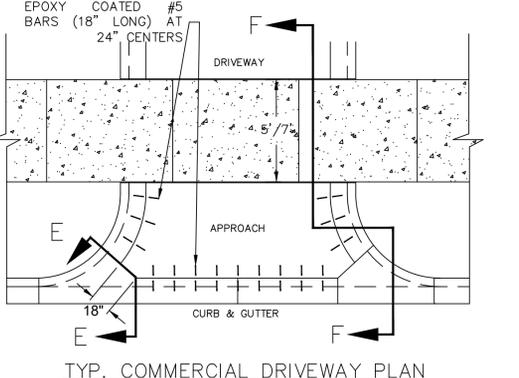
CROSS SECTION A-A



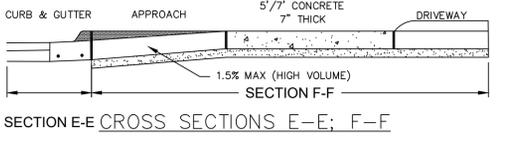
CROSS SECTION B-B



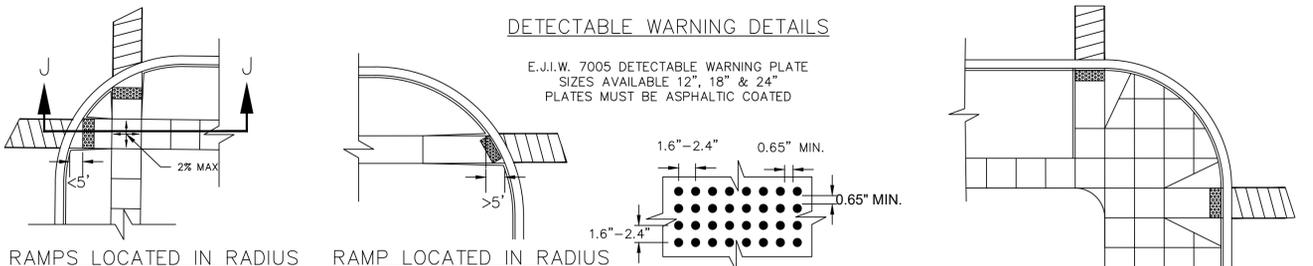
DETAIL G



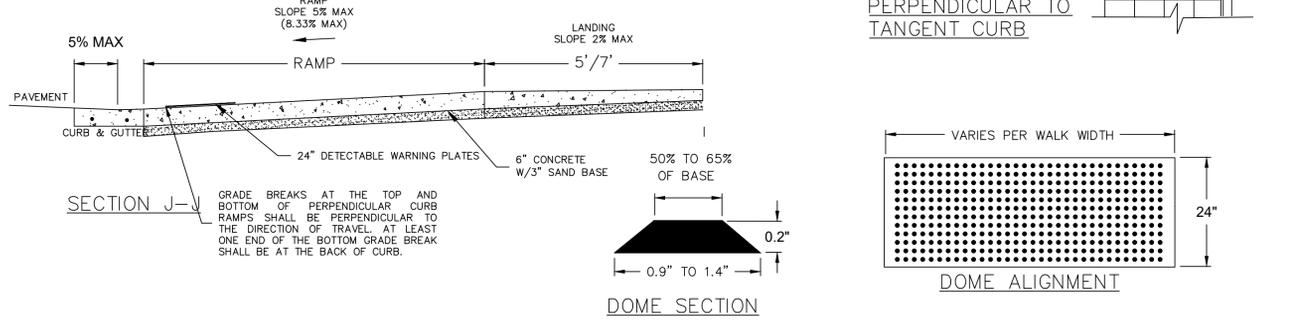
TYP. COMMERCIAL DRIVEWAY PLAN



SECTION E-E CROSS SECTIONS E-E; F-F

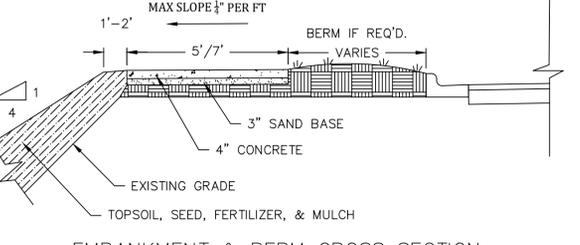


RAMPS LOCATED IN RADIUS RAMP LOCATED IN RADIUS

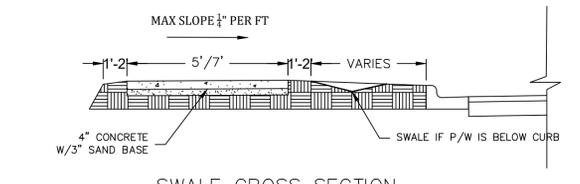


GRADE BREAKS AT THE TOP AND BOTTOM OF PERPENDICULAR CURB RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL. AT LEAST ONE END OF THE BOTTOM GRADE BREAK SHALL BE AT THE BACK OF CURB.

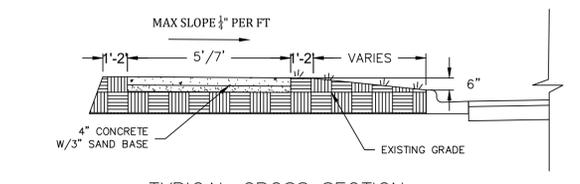
DOME SECTION



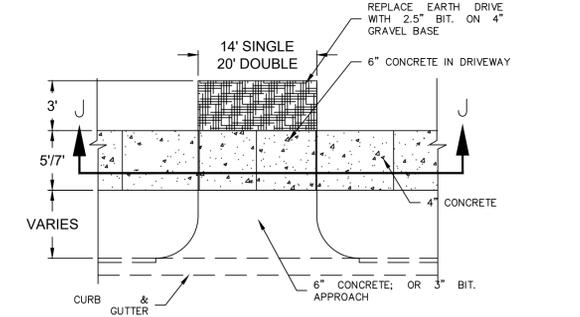
EMBANKMENT & BERM CROSS SECTION



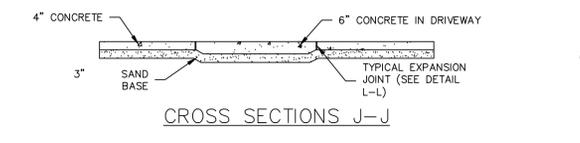
SWALE CROSS SECTION



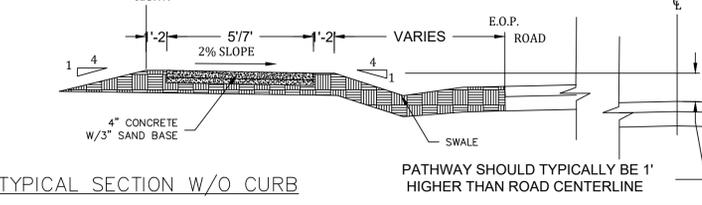
TYPICAL CROSS SECTION



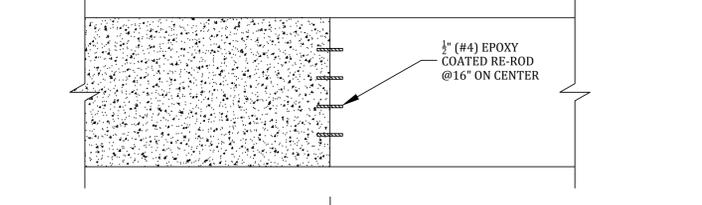
TYP. RESIDENTIAL DRIVEWAY PLAN



CROSS SECTIONS J-J

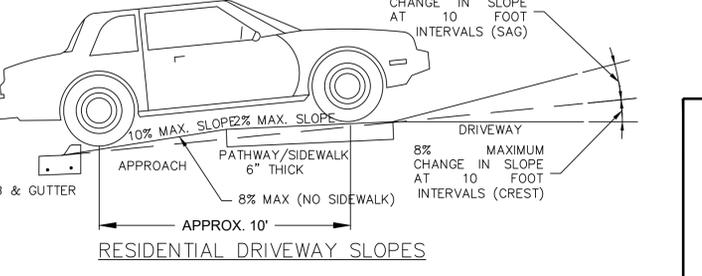


TYPICAL SECTION W/O CURB

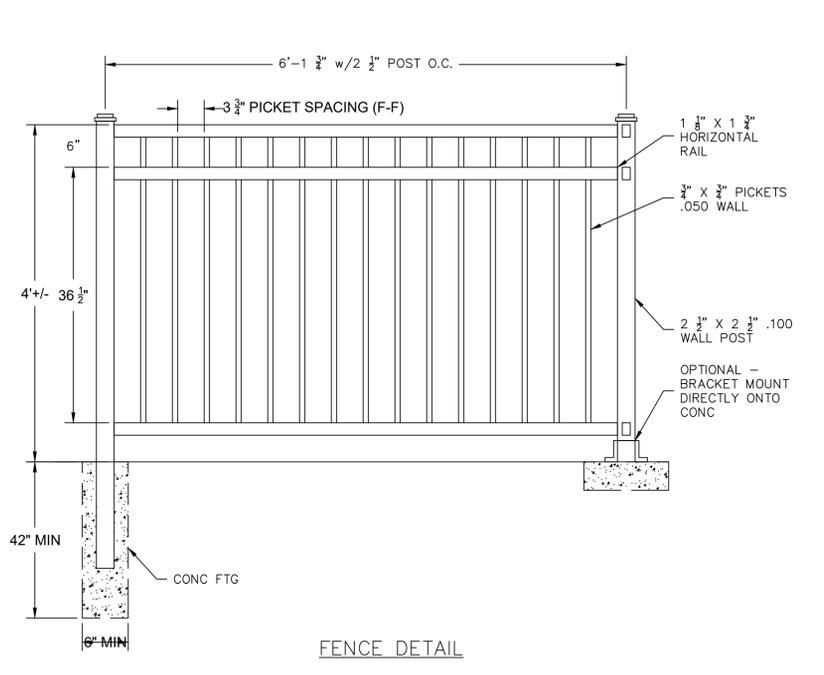


CONCRETE PINNING DETAIL CROSS SECTION - (NO SCALE)

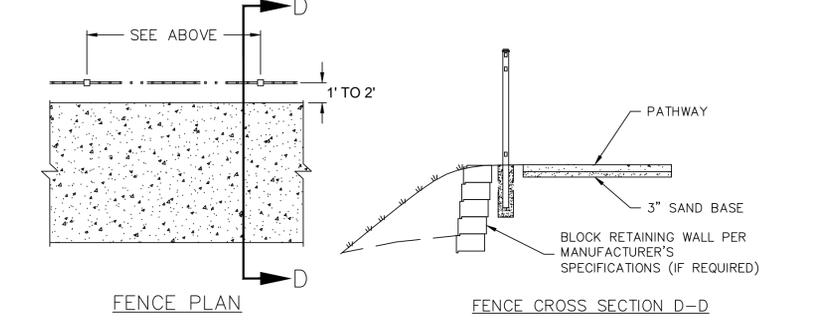
- GENERAL NOTES
1. SIDEWALKS/PATHWAYS SHALL BE 4" THICK CONCRETE EXCEPT AT DRIVEWAYS.
 2. SIDEWALKS/PATHWAYS THRU DRIVES SHALL BE: 6" (RESIDENTIAL); 7" (MULTI-RESIDENTIAL & COMMERCIAL)
 3. 3" OF COMPACTED SAND BASE SHALL BE PLACED UNDER ALL SIDEWALKS/PATHWAYS.
 4. ALL BITUMINOUS APRONS SHALL BE 2 1/2" THICK, UNLESS NOTED OTHERWISE
 5. PROPERTY IRONS SHALL BE MAINTAINED BY THE CONTRACTOR.
 6. ALL EXISTING CONCRETE AND BITUMINOUS TO BE REMOVED SHALL BE SAWCUT. ALL CONCRETE AND BITUMINOUS REMOVAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
 7. ALL AGGREGATE BASE SHALL BE 22A, 4" THICK.
 8. ALL TREE AND BUSH REMOVAL SHALL BE CONSIDERED PART OF SUB-GRADE PREPARATION.
 9. LOCATION OF NEW PLANT MATERIAL SHALL BE AS DIRECTED BY THE ENGINEER, AND SHALL BE INSTALLED IN ACCORDANCE WITH GUIDELINES ESTABLISHED BY THE A.A.O.N.
 10. ALL PLANT MATERIAL NOT MARKED FOR REMOVAL SHALL BE PROTECTED.
 11. BITUMINOUS DRIVES SHALL BE SAWCUT 18" ON EITHER SIDE OF PROPOSED PATHWAY.



RESIDENTIAL DRIVEWAY SLOPES

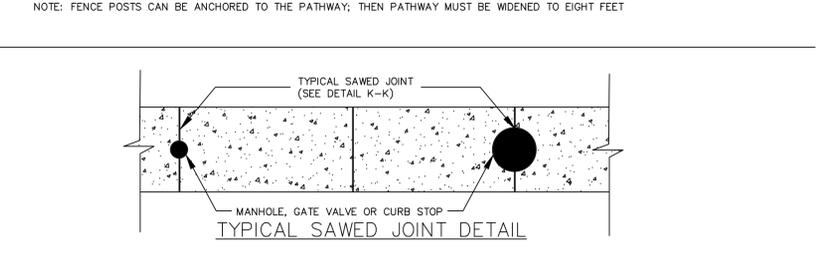


FENCE DETAIL

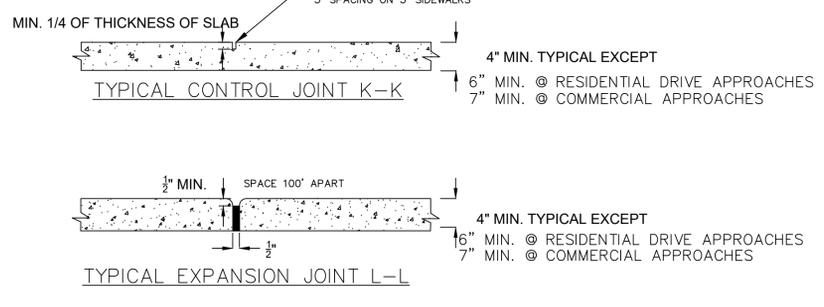


FENCE PLAN

FENCE CROSS SECTION D-D



TYPICAL SAWED JOINT DETAIL



TYPICAL CONTROL JOINT K-K

TYPICAL EXPANSION JOINT L-L

Meridian Charter Township
Ingham County, Michigan
Pathway

Standard Details
Newton Park Pathway - 2025
SE 1/4 SECTION 4, T4N, R1W, MERIDIAN TOWNSHIP,
INGHAM COUNTY, MICHIGAN

DRAWN BY: TH

CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:

SHEET: