

THIS PROJECT WILL BE PERFORMED UNDER TWO SEPARATE CONTRACTS REFERRED TO AS THE "AMERICAN HOUSE PATHWAY - SHEET PILE AND BOARDWALK CONTRACT" AND THE "AMERICAN HOUSE PATHWAY - SITE CONTRACT". THE SHEET PILE AND BOARDWALK CONTRACT WILL BE PERFORMED FIRST DURING THE WINTER MONTHS OF 2025 / 2026. THE SITE CONCRETE CONTRACT WILL BEGIN IN THE SPRING OF 2026.

**AMERICAN HOUSE PATHWAY - SHEET PILE AND BOARDWALK CONTRACT SCOPE OF WORK:**

- INSTALL SHEET PILE RETAINING WALL
- INSTALL BOARDWALK AND HELICAL PILES
- INSTALL CONCRETE ABUTMENTS FOR THE BOARDWALK
- BACKFILLING/GRADING AROUND THE ABUTMENTS

**AMERICAN HOUSE PATHWAY - SITE CONCRETE CONTRACT SCOPE OF WORK:**

- INSTALL SESC MEASURES
- PERFORM PAVEMENT REMOVAL
- GRADE 8" WIDE CONCRETE PATHWAY
- CONVERTING INLET TO MANHOLE
- POUR CONCRETE
- INSTALL FENCE
- INSTALL BENCH
- INSTALL WHEELSTOPS
- CONVERT GRATE INLET TO MANHOLE COVER
- PLANT TREES
- PAVEMENT REPLACEMENT
- PERFORM SITE RESTORATION

**UTILITY COMPANY UTILITIES**

AT&T TELEPHONE  
337 N. ABBOTT, RM. 201  
EAST LANSING, MI 48823  
517.337.3660

CONSUMERS ENERGY GAS ELECTRIC  
530 W. WILLOW ST.  
P.O. BOX 30162  
LANSING, MI 48909  
517.373.6100

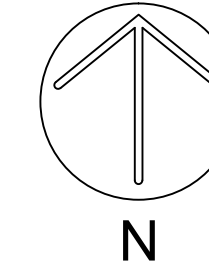
COMCAST CABLE TV  
1070 TROWBRIDGE ROAD  
EAST LANSING, MI 48823  
517.332.1012

MERIDIAN TOWNSHIP WATER MAINS SANITARY SEWER PATHWAYS  
5151 MARSH RD.  
OKEMOS, MI 48864  
517.853.4440

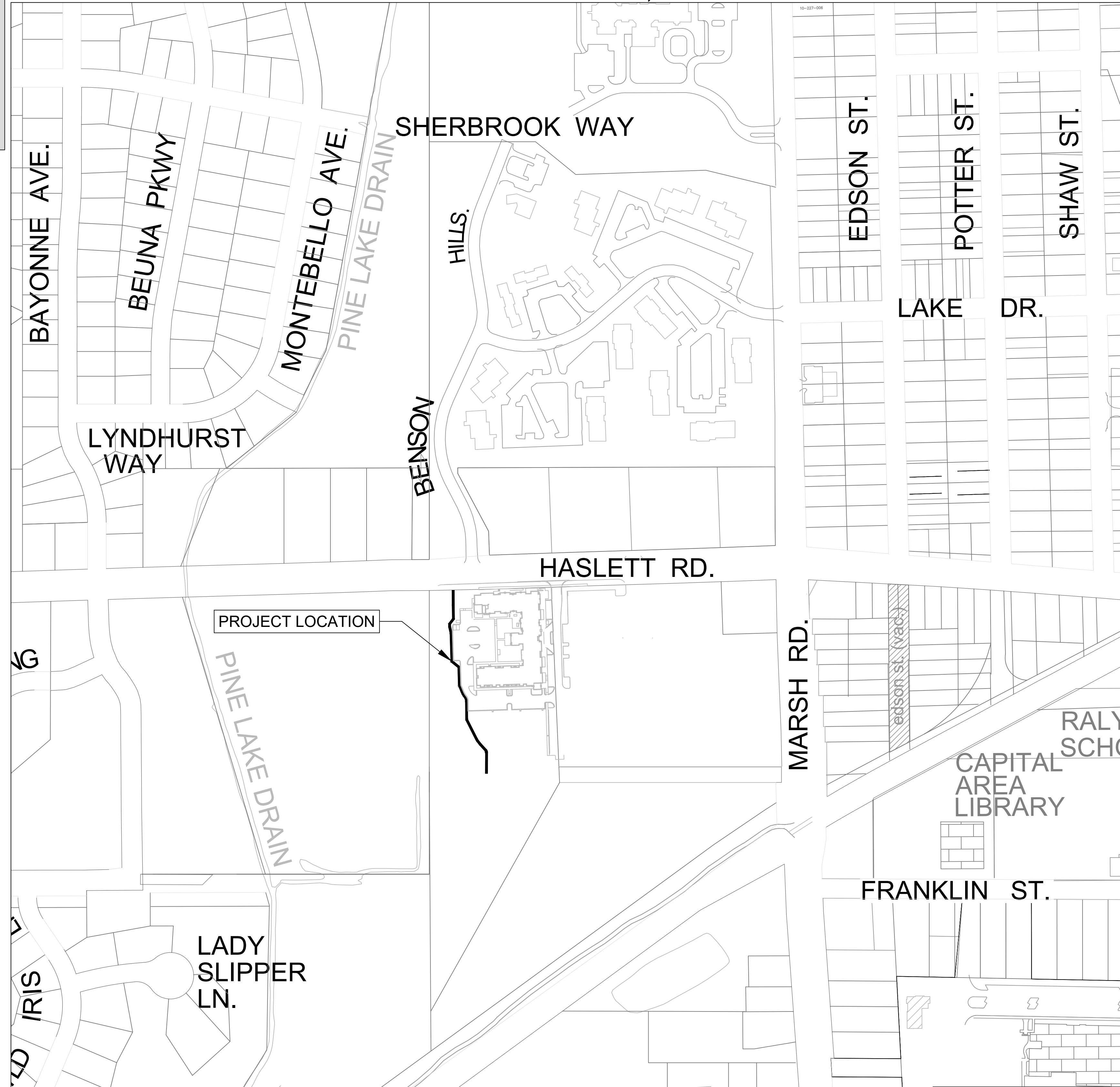
INGHAM COUNTY DRAIN COMMISSIONER DRAINS STORM SEWER  
707 BUHL ST.  
MASON, MI 48854  
517.676.8395

INGHAM COUNTY ROAD DEPT PUBLIC ROADS AND RIGHTS OF WAY  
301 BUSH ST.  
MASON, MI 48854  
517.676.9722

**AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
CONSTRUCTION PLANS  
FOR  
MERIDIAN 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 therefore 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.

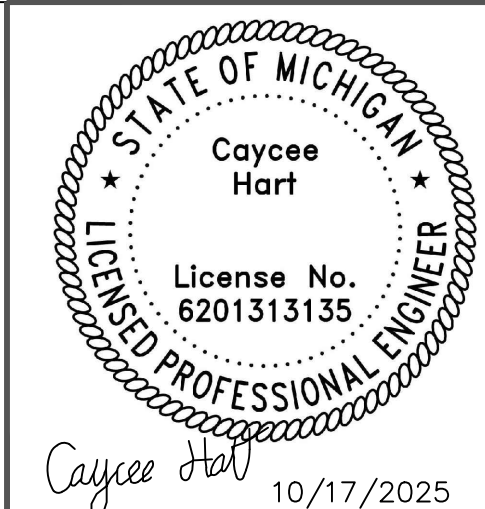
**PATHWAY NOTES**

- 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 (2 1/2) 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 81/3% 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 1/2" THICK. CONTRACTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/4 OF THE DEPTH OF THE CONCRETE.
- ALL LUMBER TO BE PRESSURE TREATED (OSMOSE 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	DEMOLITION PLAN
3	SESC PLAN
4	SESC PLAN
5	SESC NOTES & DETAILS
6	OVERALL SITE PLAN
7	SITE PLAN
8	SITE PLAN
9	GRADING PLAN
10	GRADING PLAN
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12	GRADING PLAN
13	PATHWAY PROFILE
14	TYPICAL SECTIONS
15	TYPICAL SECTIONS
16	TYPICAL SECTIONS
17	TYPICAL SECTIONS
18	TYPICAL SECTIONS
19	TYPICAL DETAILS
20	BOARDWALK DETAILS
21	LANDSCAPE PLAN

**BENCHMARKS:**  
BENCHMARK #1 ELEV. = 862.07  
CHISELED "X" IN NORTH SIDE OF CONCRETE LIGHT POLE BASE, 170'± EAST AND 90'± NORTH OF NORTHWEST CORNER OF #1655 HASLETT ROAD.  
BENCHMARK #4 ELEV. = 863.05  
SOUTHWEST FLANGE BOLT OF FIRE HYDRANT, UNDER THE "A" IN "TRAVERSE CITY", 18'± EAST AND 80'± NORTH OF NORTHEAST CORNER OF #1655 HASLETT ROAD.

**Call 811 before you dig.**



Meridian Charter Township  
Ingham County, Michigan

**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD

SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

DRAWN BY: CH CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:
10.03.25	CH	BID SET
10.17.25	CH	BID SET - SHEET PILE CONTRACT; ADD #1







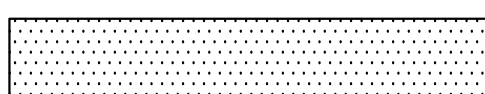

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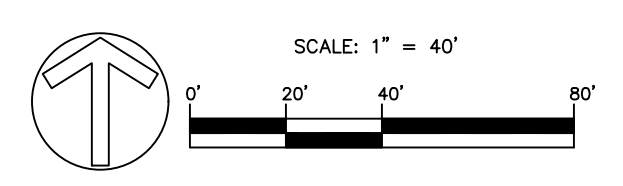
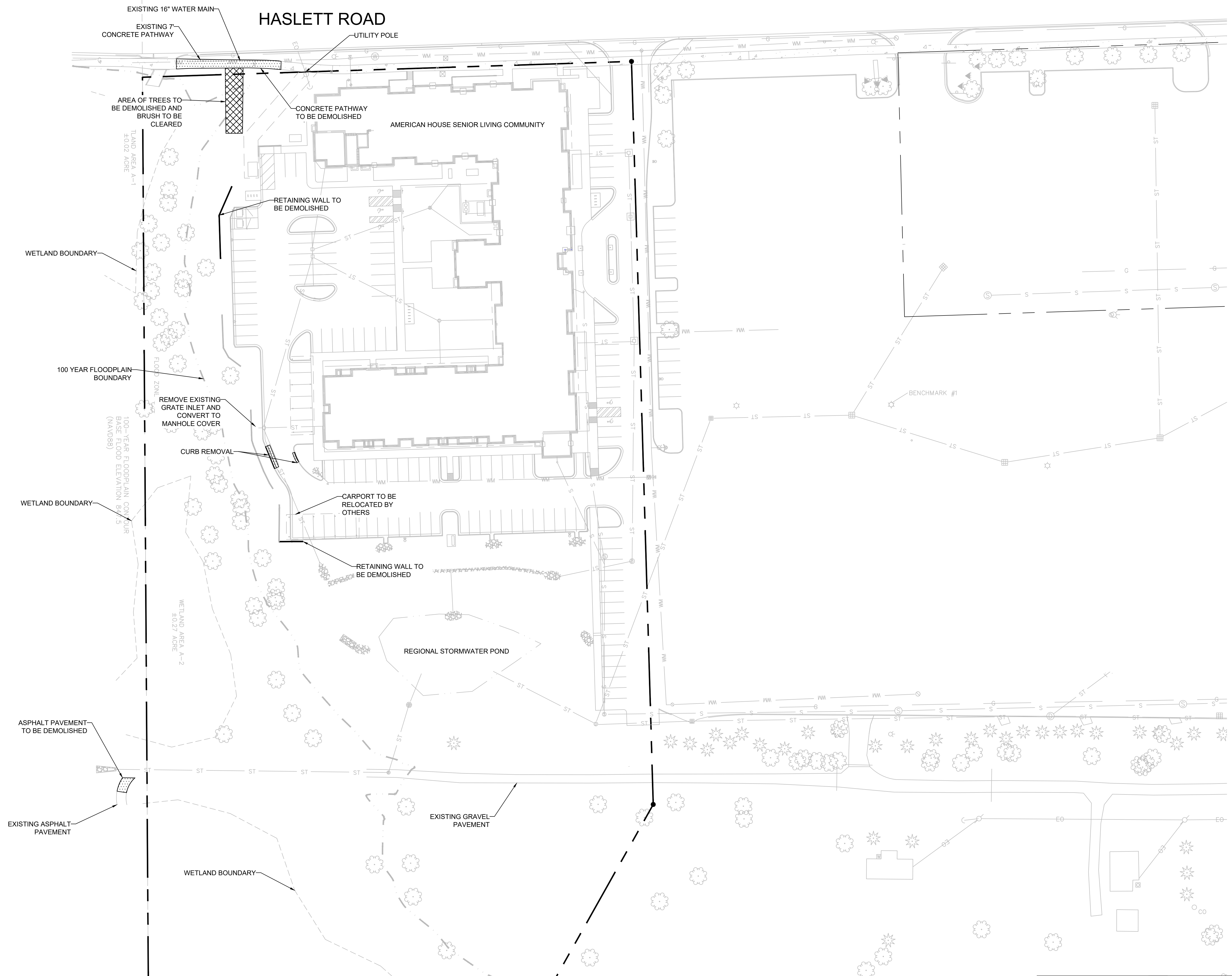
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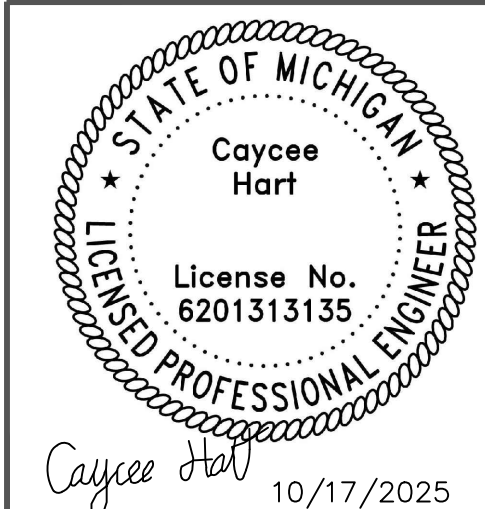
**LEGEND**

-  PROPERTY LINE
-  100 YEAR FLOODPLAIN BOUNDARY
-  WETLAND BOUNDARY
-  EXISTING STORM PIPE
-  EXISTING SANITARY PIPE
-  EXISTING SANITARY MAIN
-  PAVEMENT TO BE DEMOLISHED
-  TREES TO BE DEMOLISHED



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WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
Ingham County, Michigan

**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD

SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

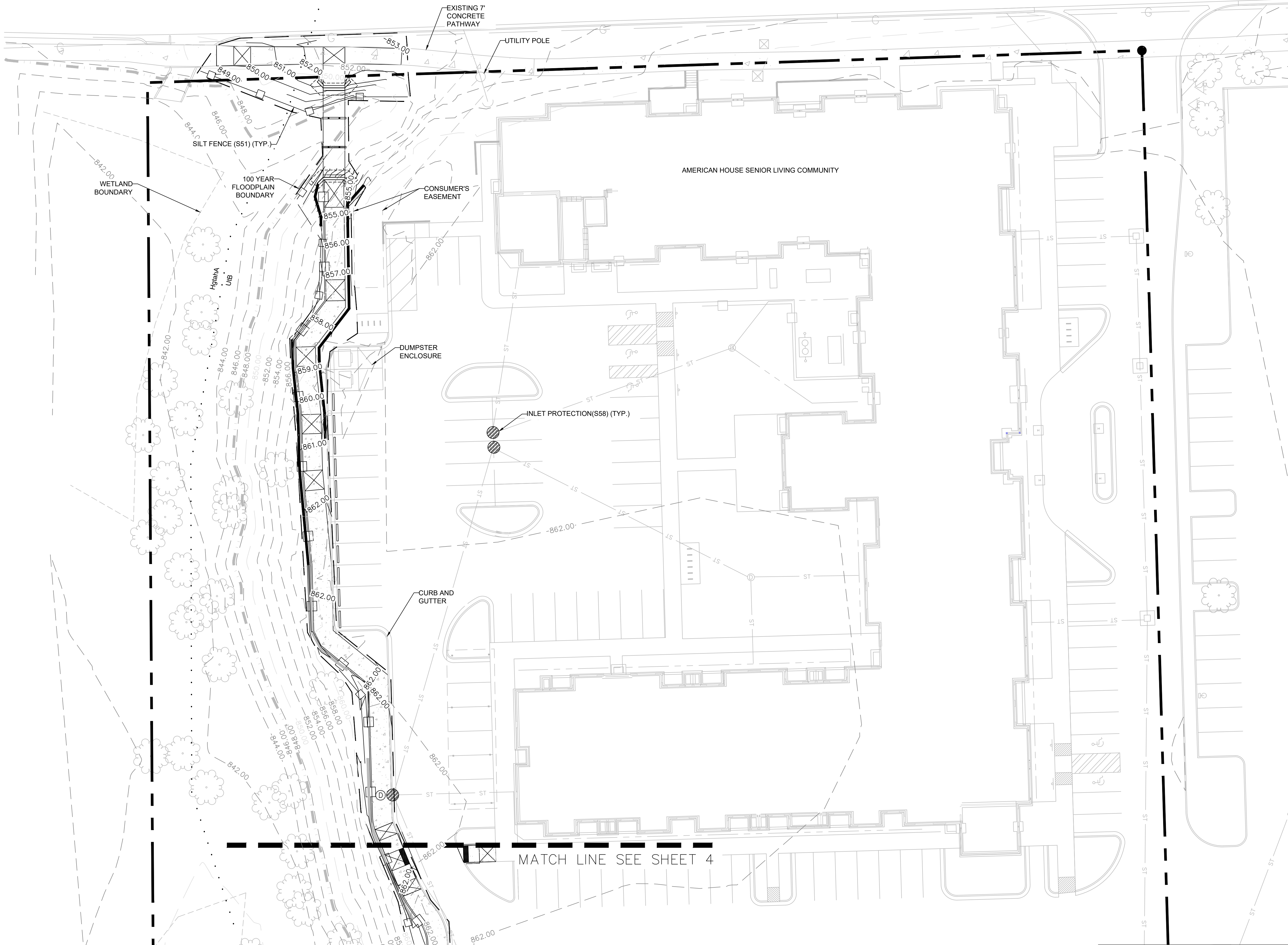
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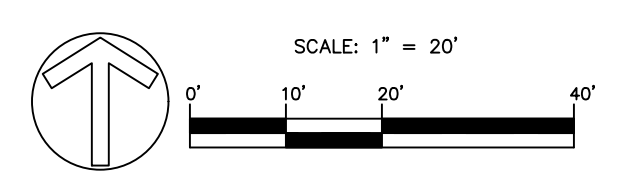
HASLETT ROAD



LEGEND

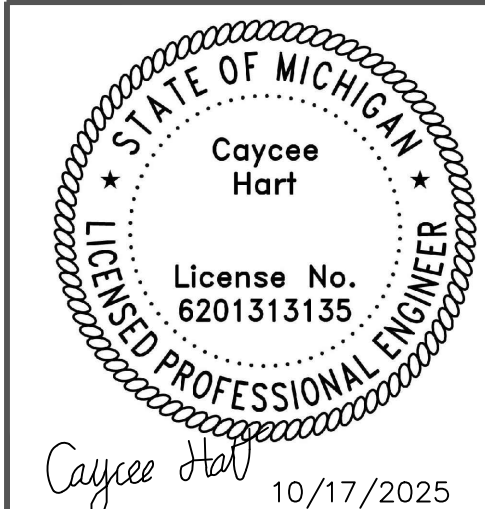
- PROPERTY LINE
- 100 YEAR FLOODPLAIN BOUNDARY
- WETLAND BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- LIMITS OF DISTURBANCE
- SOIL BOUNDARY
- SILT FENCE
- CONSTRUCTION ENTRANCE
- INLET PROTECTION

SOILS:  
 UtB - URBAN LAND - MARLETTE COMPLEX, 2 TO 12 PERCENT SLOPES  
 HgtahA - HOUGHTON MUCK, 0 TO 1 PERCENT SLOPES  
 UpA - URBAN LAND - CAPAC-COLWOOD COMPLEX, 0 TO 4 PERCENT SLOPES



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WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
 Ingham County, Michigan  
**PATHWAY**

AMERICAN HOUSE PATHWAY  
 1673 HASLETT ROAD  
 SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
 INGHAM COUNTY, MICHIGAN

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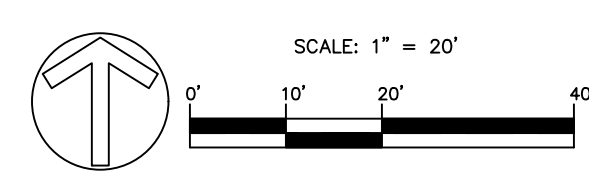
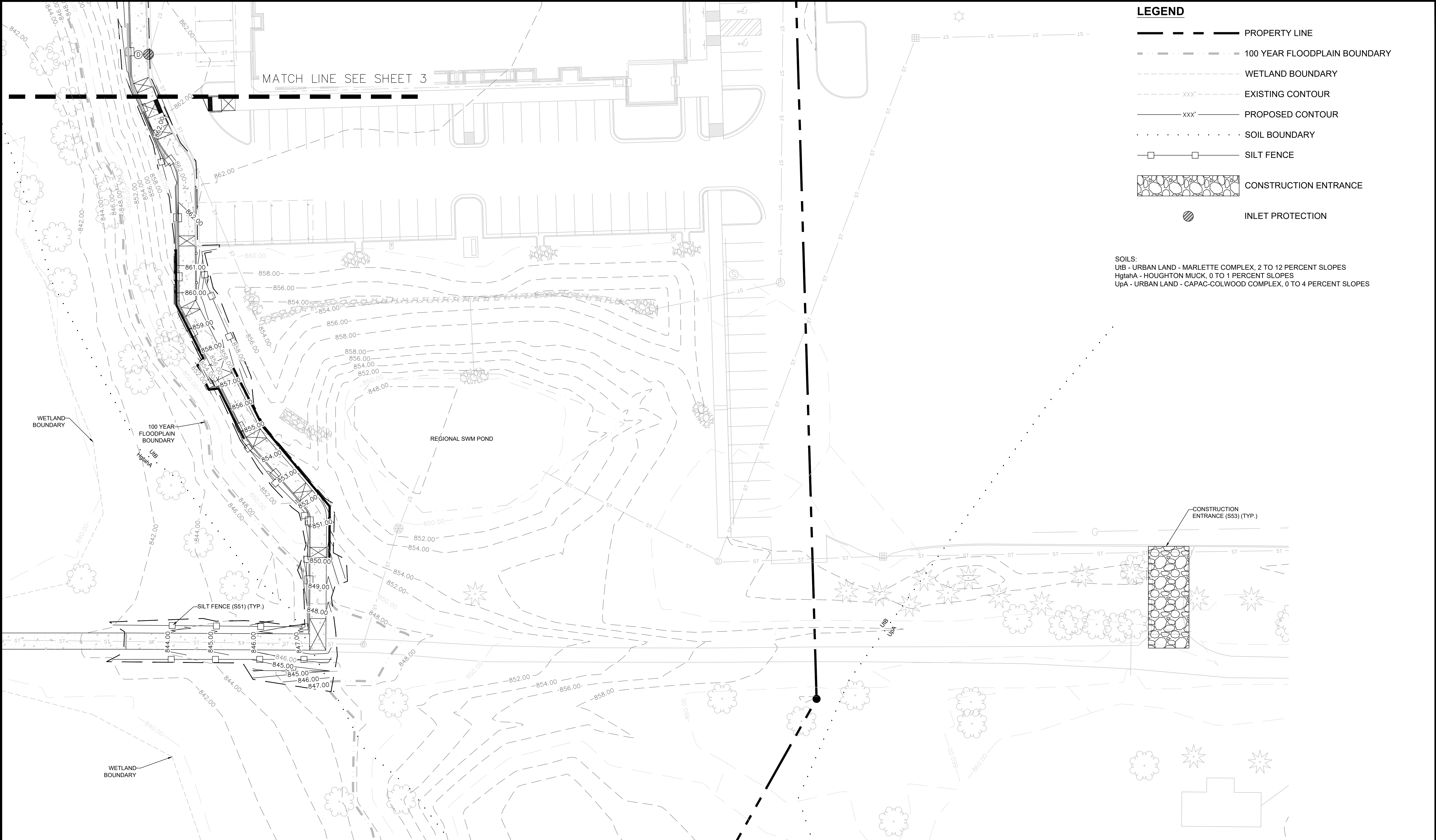
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MATCH LINE SEE SHEET 3

**LEGEND**

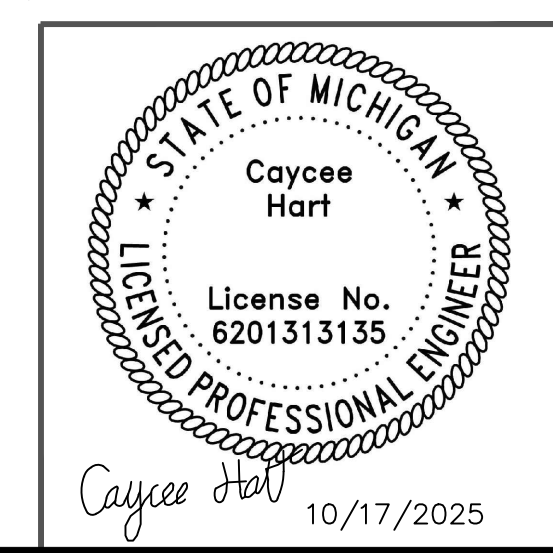
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Meridian Charter Township  
 Ingham County, Michigan

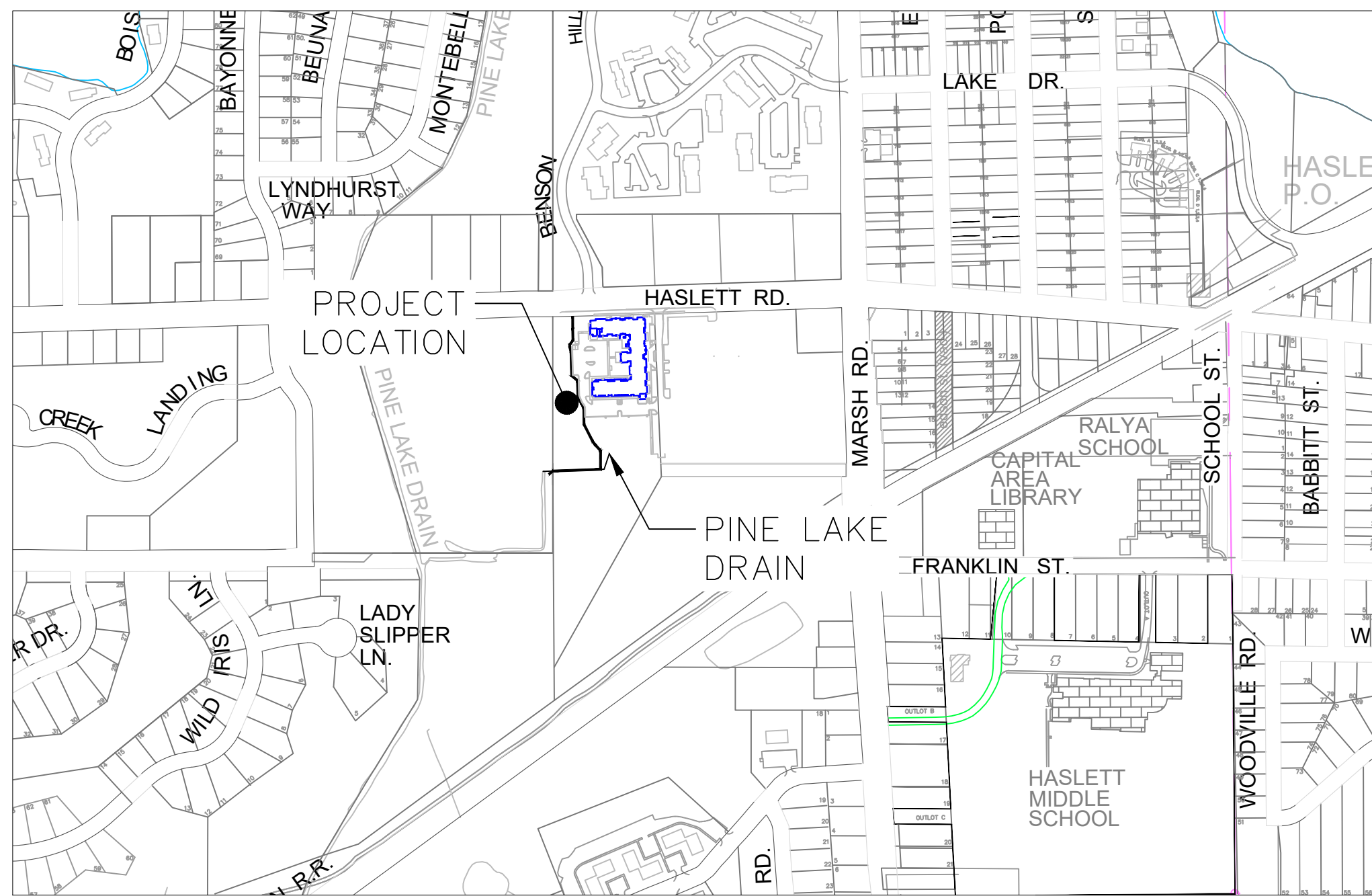
**PATHWAY**

AMERICAN HOUSE PATHWAY  
 1673 HASLETT ROAD  
 SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
 INGHAM COUNTY, MICHIGAN

DRAWN BY: CH      CHECKED BY: YI

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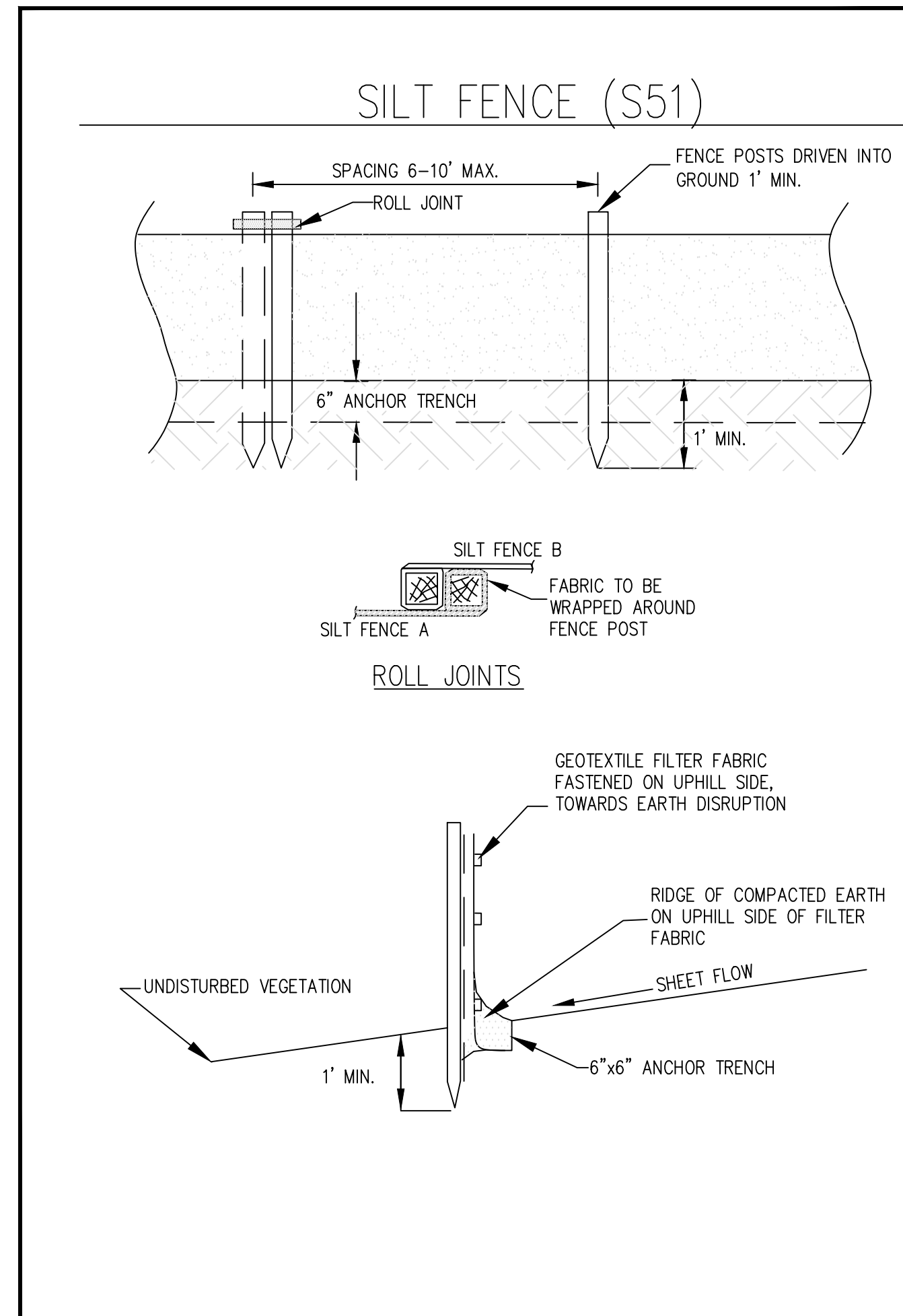
THE PATHWAY PROJECT IS LOCATED 0' FROM THE PINE LAKE DRAIN

RECOMMENDED CONSTRUCTION SCHEDULING & SEQUENCING	OCTOBER	NOVEMBER	DECEMBER	JANUARY 26	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
INSTALL SESC MEASURES												
INSTALL BOARDWALK												
INSTALL SHEET PILE RETAINING WALL												
GRADE THE SITE FOR THE PROPOSED PATHWAY												
CONSTRUCT THE PATHWAY AND FENCE												
SITE CLEANUP AND RESTORATION												
REMOVE SESC MEASURES ONCE THE SITE IS STABILIZED												

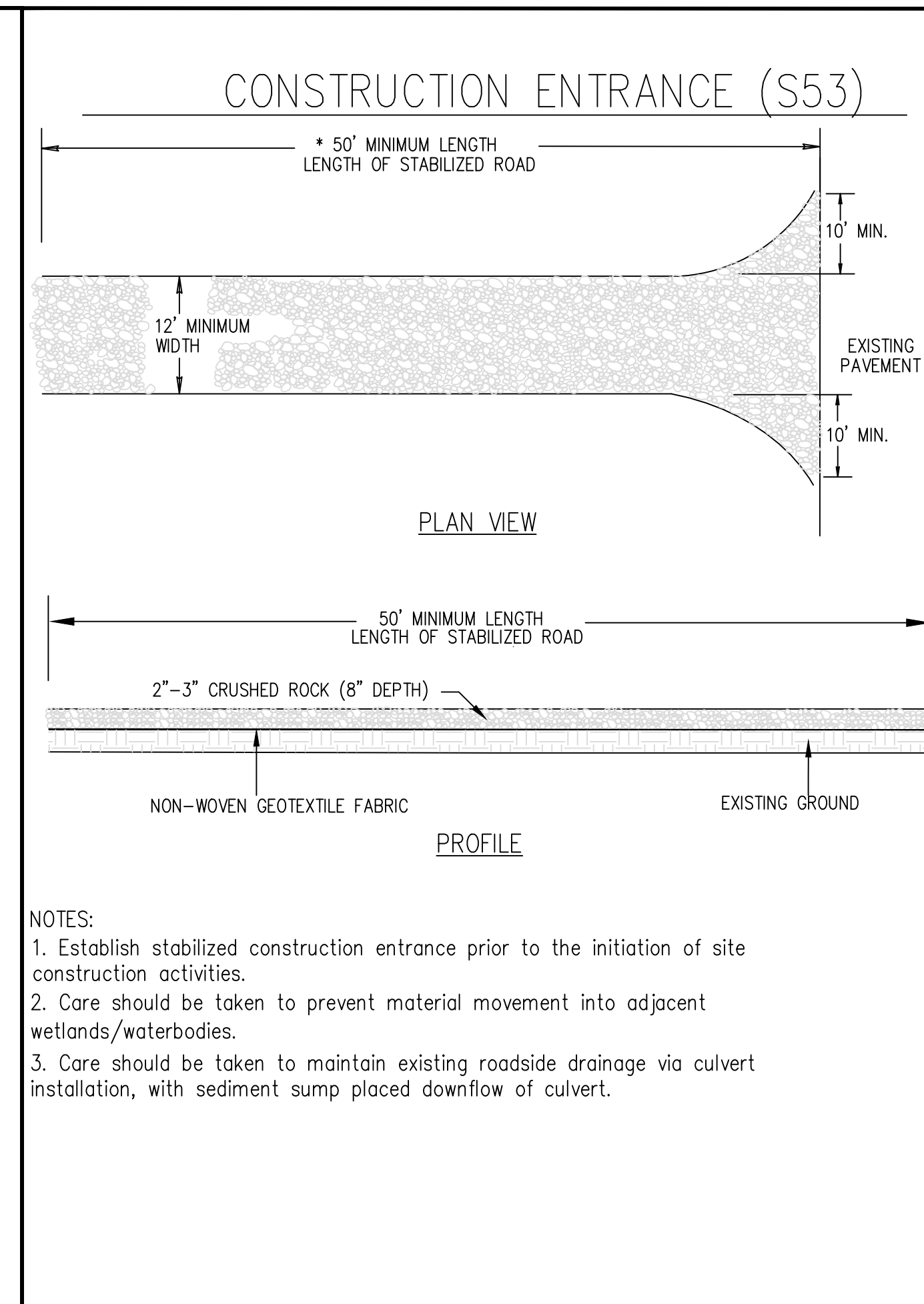
TAX ID: 10-401-007  
 LEGAL DESCRIPTION: A PARCEL OF LAND IN THE SE 1/4 OF SEC 10 T4N R1W  
 DESC AS: COM AT THE S 1/4 COR OF SD SEC 10 -N00D22'20"W ALNG THE  
 N-S 1/4 LN OF SD SEC 10 896.94 FT TO POB -N00D22'20"W CONT ALNG SD  
 N-S 1/4 LN 1359.73 FT TO S ROW LN OF HASLETT RD -N88D08'51"E ALNG SD  
 S LN 411.71 FT -S01D40'31"E 625.33 FT -S29D22'14"W 858.27 FT TO POB (9.60  
 A M/L)  
 (SPLIT/COMBINED ON 10/23/2020 FROM 33-02-02-10-401-003,  
 33-02-02-10-401-005, 33-02-02-10-401-006, 33-02-02-10-402-001)

**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

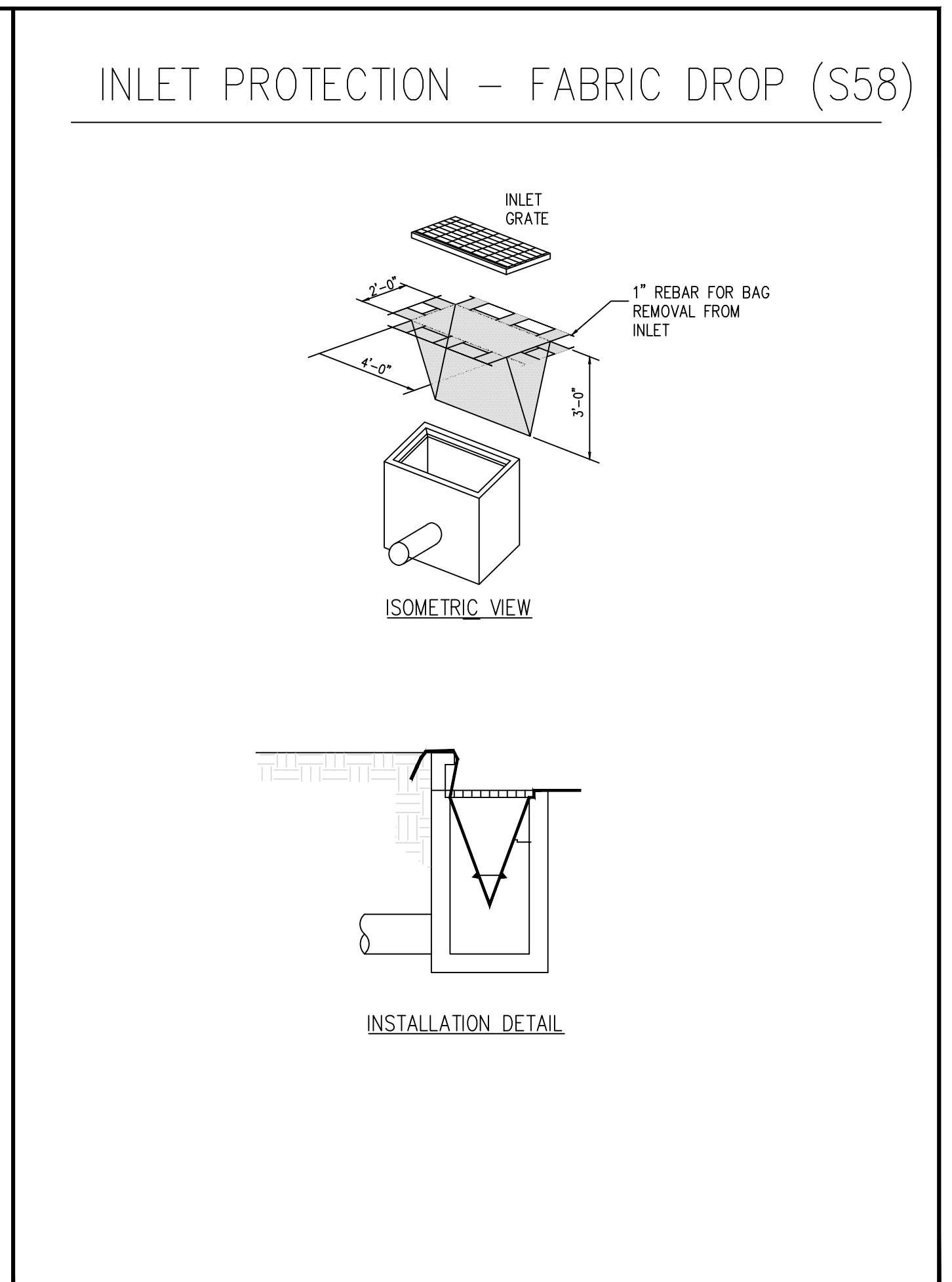
- All soil erosion and sediment control (SESC) work shall conform to the standards and specifications of the Ingham County Drain Commissioner's Office and Meridian Township.
- Daily inspections shall be made by the contractor for effectiveness of SESC measures. Any necessary repairs shall be performed 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 5 days of completion of the final grading.



- SILT FENCE MAINTENANCE & INSPECTIONS**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SILT FENCE IS MAINTAINED AND FUNCTIONING.
  - THE SILT FENCE SHOULD BE INSPECTED AT LEAST WEEKLY. SILT FENCE SHOULD BE INSPECTED BEFORE FORECASTED RAIN EVENTS AND AFTER EACH RAIN EVENT.
  - FABRIC TEARS, POST FAILURES, VEHICLE DAMAGE, AND/OR UNDERMINING SHOULD BE REPAIRED IMMEDIATELY.
  - SEDIMENT BUILD UP SHOULD BE REMOVED WHEN IT REACHES 1/3 TO 1/2 THE HEIGHT OF THE SILT FENCE ABOVE THE GROUND ELEVATION.
  - REMOVE THE SILT FENCE ONCE THE SITE IS STABILIZED WITH PERMANENT SESC MEASURES.



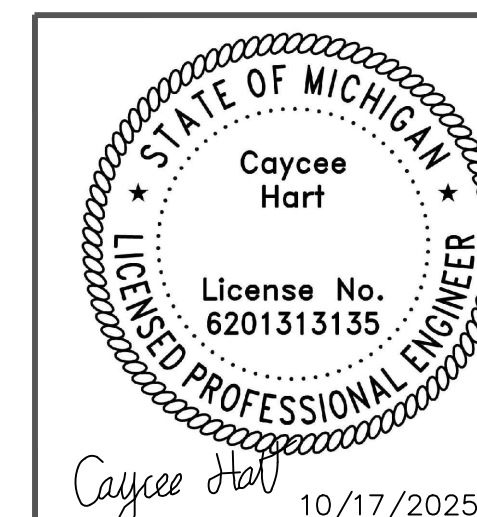
- CONSTRUCTION ENTRANCE MAINTENANCE & INSPECTIONS**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CONSTRUCTION ENTRANCE IS MAINTAINED AND FUNCTIONING.
  - THE CONSTRUCTION ENTRANCE SHOULD BE INSPECTED DAILY DURING USE. THE ADJACENT ROADWAYS SHOULD ALSO BE INSPECTED FOR SOIL TRACK-OUT.
  - CLEAN, REPLENISH (ADDING ADDITIONAL AGGREGATE LAYERS), OR REPLACE THE AGGREGATE SURFACE BEFORE SOIL BUILD UP CAUSES TRACK-OUT.
  - INCREASE THE LENGTH OF THE CONSTRUCTION ENTRANCE OR INSTALL A TIRE WASH IF THE ENTRANCE IS NOT EFFECTIVELY REMOVING SEDIMENT FROM THE TIRES DURING EGRESS.
  - IMMEDIATELY REMOVE ALL SEDIMENT DROPPED OR ERODED ONTO PUBLIC RIGHT-OF-WAYS BY SWEEPING OR SHOVELING. DO NOT WASH SEDIMENT INTO WATERWAYS OR STORM SEWERS.
  - IMMEDIATELY REMOVE ANY AGGREGATE THAT HAS LOOSENED FROM THE PAD AND ENDED UP ON THE ROADWAY.
  - REMOVE THE CONSTRUCTION ENTRANCE ONCE THE SITE IS STABILIZED WITH PERMANENT SESC MEASURES.



- INLET PROTECTION MAINTENANCE & INSPECTIONS**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CONSTRUCTION ENTRANCE IS MAINTAINED AND FUNCTIONING.
  - INLET PROTECTION SHOULD BE INSPECTED AT LEAST WEEKLY. SILT FENCE SHOULD BE INSPECTED BEFORE FORECASTED RAIN EVENTS AND AFTER EACH RAIN EVENT.
  - IF THE FILTER BAG BECOMES CLOGGED, TORN, OR DEGRADES IT SHOULD BE REPLACED.
  - THE FILTER BAG SHOULD BE REPLACED ONCE SEDIMENT FILLS 1/3 TO 1/2 THE VOLUME OF THE BAG.
  - REMOVE THE INLET PROTECTION ONCE THE SITE IS STABILIZED WITH PERMANENT SESC MEASURES.

**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township Ingham County, Michigan	
PATHWAY	
AMERICAN HOUSE PATHWAY 1673 HASLETT ROAD SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN	
DRAWN BY: CH	CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:
10.03.25	CH	BID SET
10.17.25	CH	BID SET - SHEET PILE CONTRACT; ADD #1
SHEET:		
5 - SESC NOTES & DETAILS		

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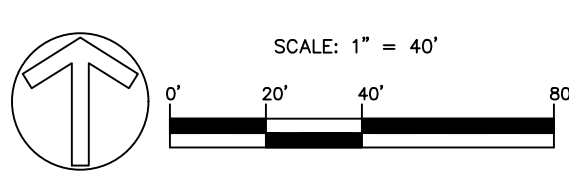
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HASLETT ROAD



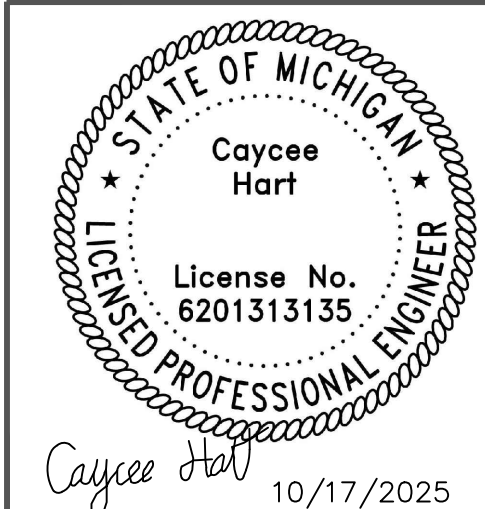
LEGEND

- PROPERTY LINE
- 100 YEAR FLOODPLAIN BOUNDARY
- WETLAND BOUNDARY
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL
- PROPOSED FENCE
- PROPOSED CONCRETE PATHWAY



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Meridian Charter Township  
Ingham County, Michigan

**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

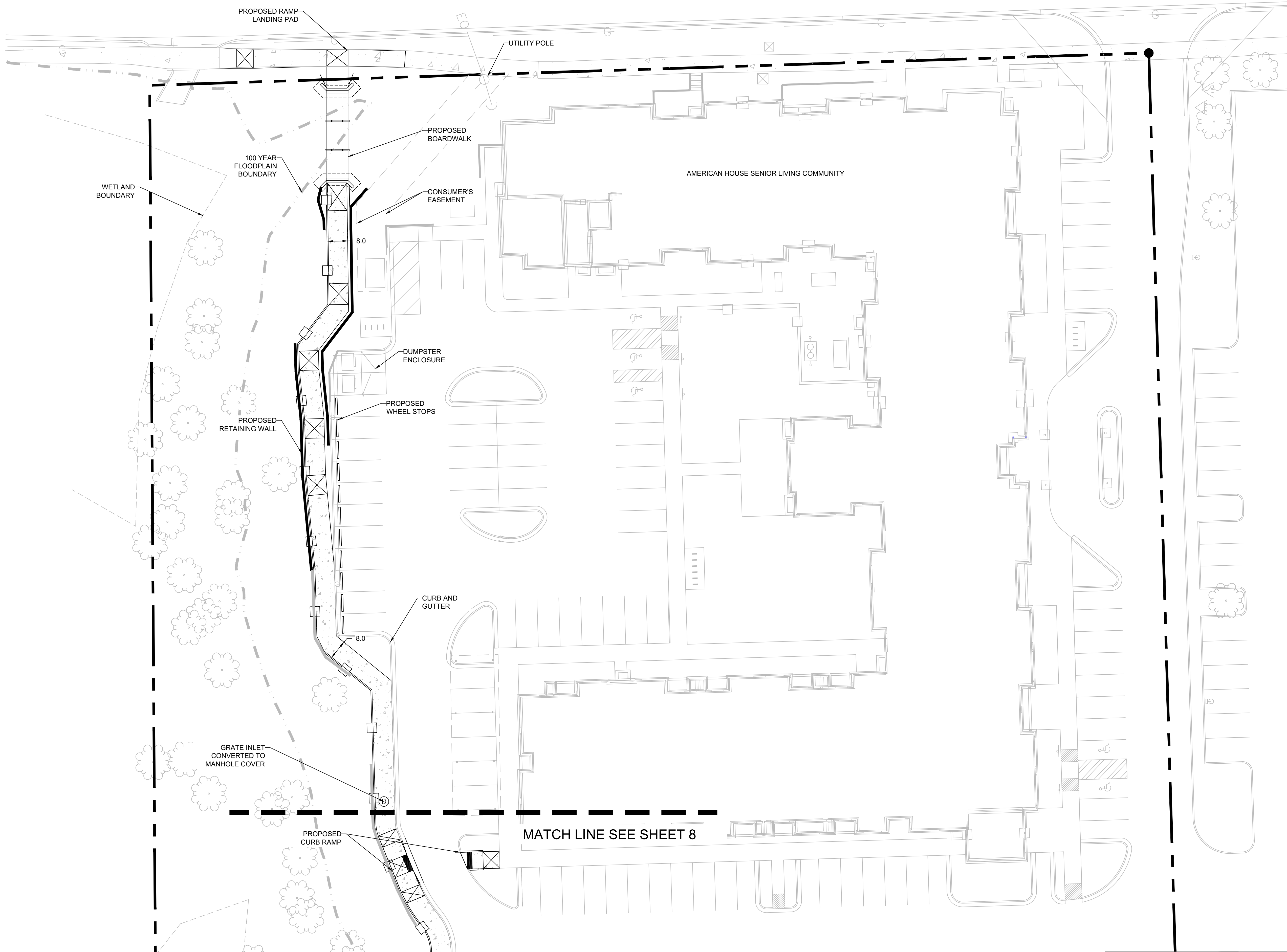
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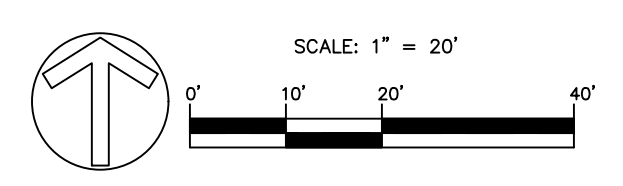
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HASLETT ROAD



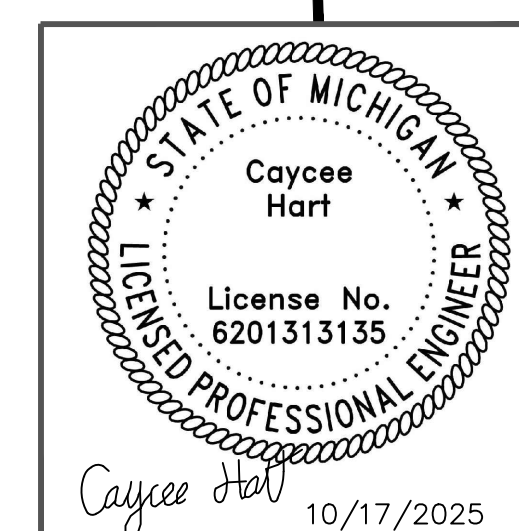
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- — — — — PROPERTY LINE
- - - - - 100 YEAR FLOODPLAIN BOUNDARY
- - - - - WETLAND BOUNDARY
- — — — — EXISTING RETAINING WALL
- — — — — PROPOSED RETAINING WALL
- ○ ○ ○ ○ PROPOSED FENCE
- SW — SW — PROPOSED SWALE
- ▨ PROPOSED CONCRETE PATHWAY
- ⊠ PROPOSED LANDING PAD



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Ingham County, Michigan

PATHWAY

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN









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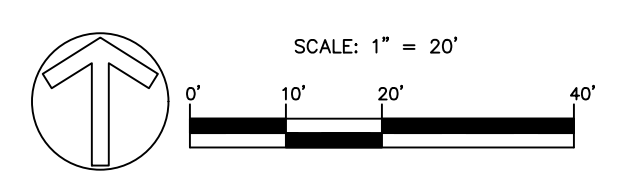
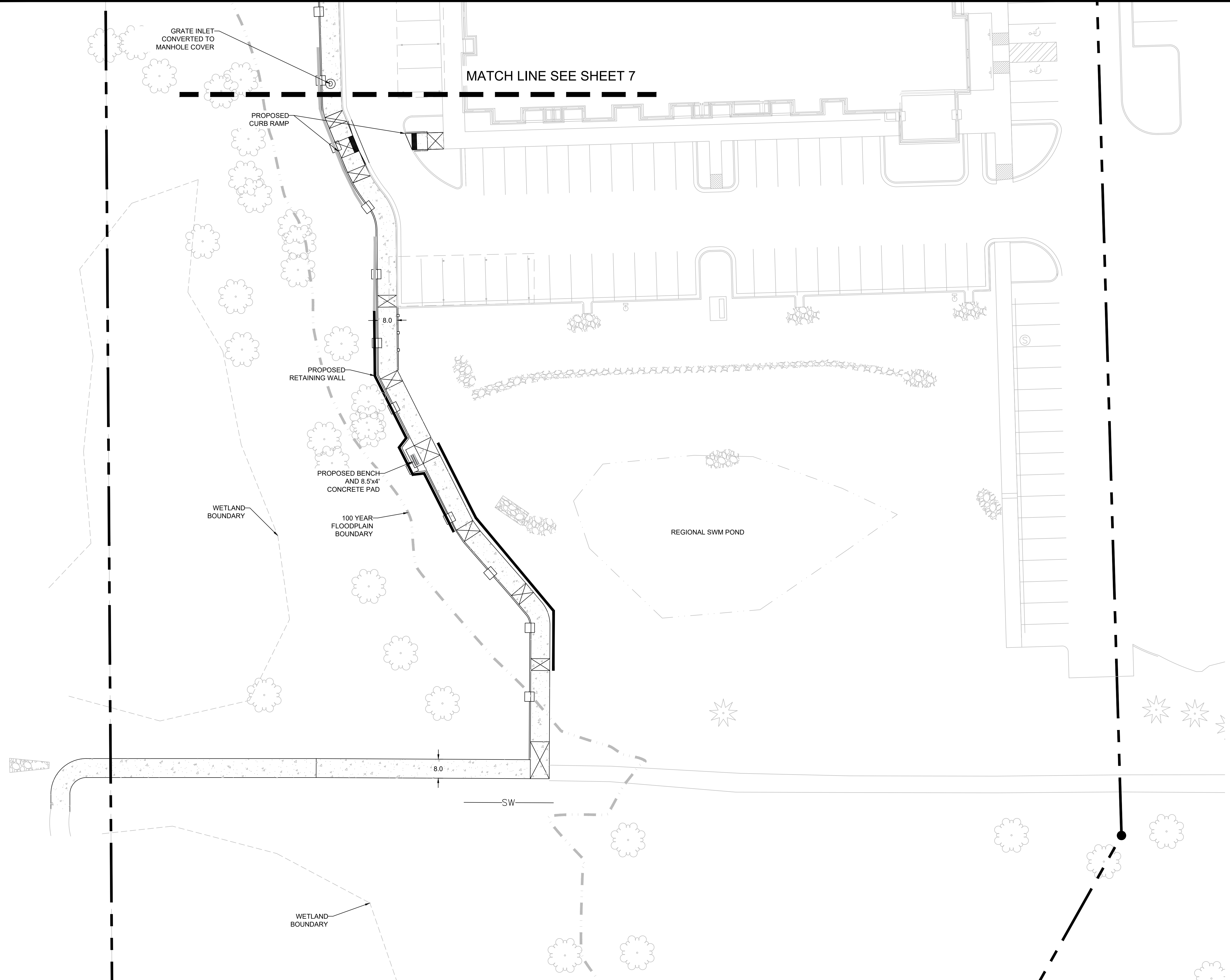
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SHEET:		



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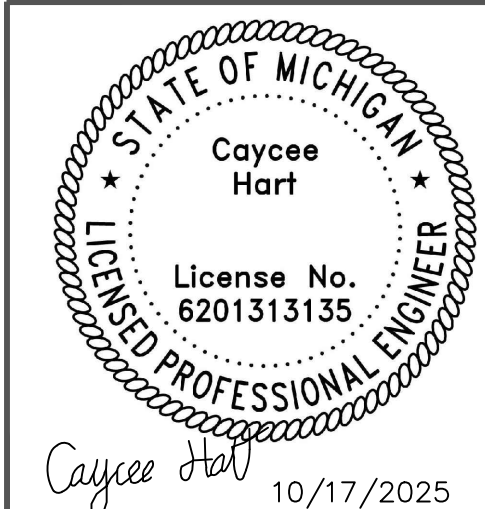
**LEGEND**

-  PROPERTY LINE
-  100 YEAR FLOODPLAIN BOUNDARY
-  WETLAND BOUNDARY
-  EXISTING RETAINING WALL
-  PROPOSED RETAINING WALL
-  PROPOSED FENCE
-  PROPOSED SWALE
-  PROPOSED CONCRETE PATHWAY



**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
 Ingham County, Michigan  
**PATHWAY**

AMERICAN HOUSE PATHWAY  
 1673 HASLETT ROAD  
 SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
 INGHAM COUNTY, MICHIGAN





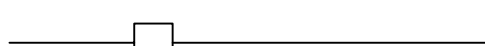


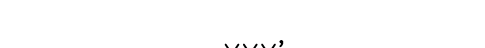


DRAWN BY: CH      CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:
10.03.25	CH	BID SET
10.17.25	CH	BID SET - SHEET PILE CONTRACT; ADD #1
SHEET:		



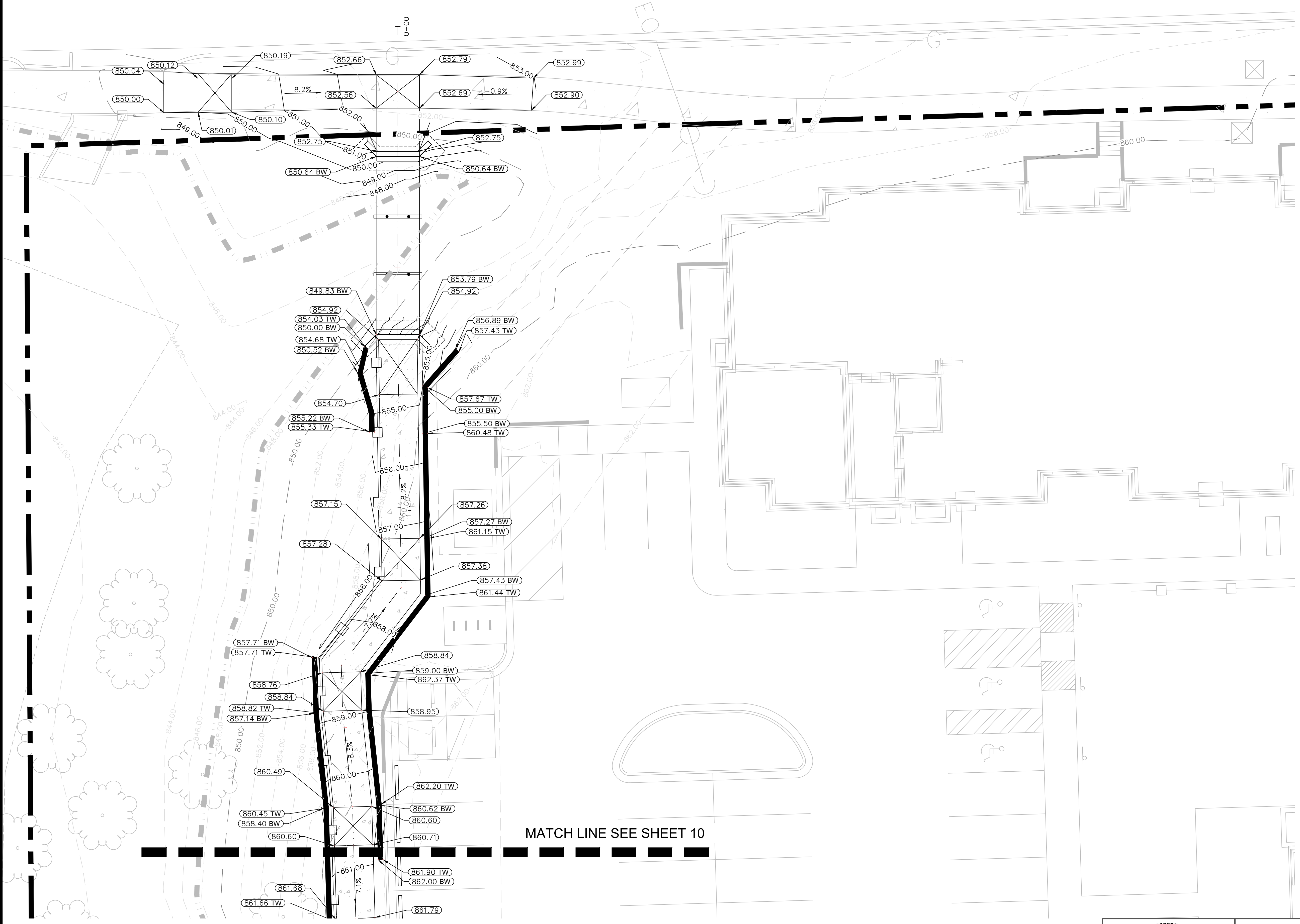
# HASLETT ROAD

## LEGEND

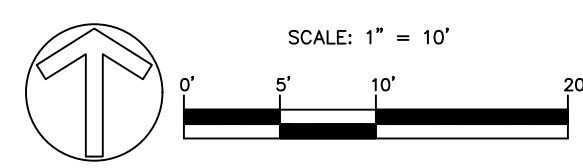
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-  100 YEAR FLOODPLAIN BOUNDARY
-  EXISTING SHEET PILE RETAINING WALL
-  PROPOSED SHEET PILE RETAINING WALL
-  PROPOSED FENCE
-  WETLAND BOUNDARY
-  EXISTING CONTOUR
-  PROPOSED CONTOUR
-  PROFILE ALIGNMENT (SEE SHEET 13 FOR PROFILE)
-  CROSS SECTION

### 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.

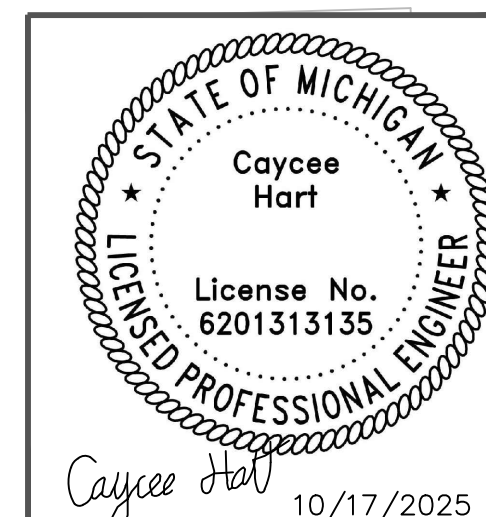


MATCH LINE SEE SHEET 10



**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
Ingham County, Michigan  
**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

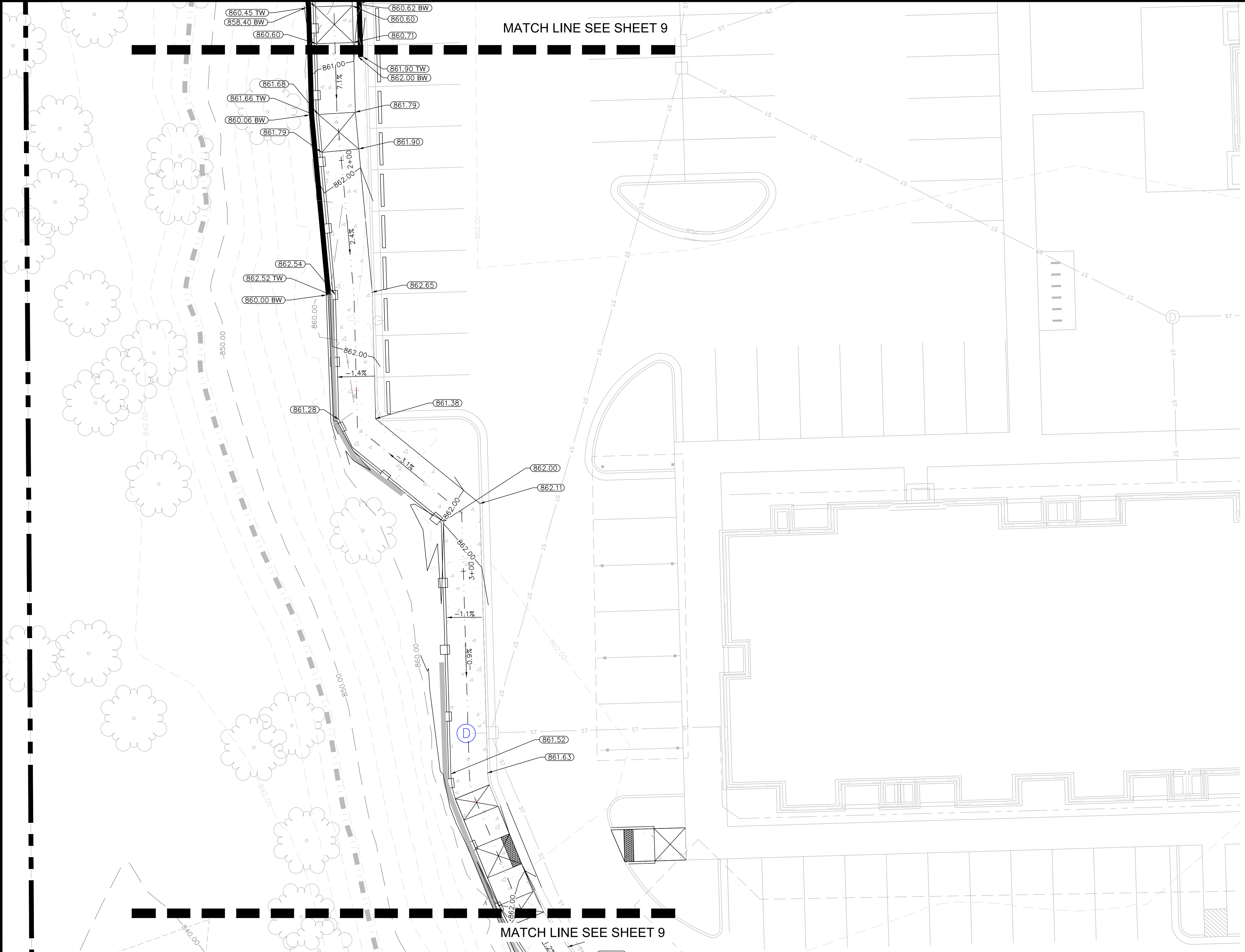
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CHECKED BY: YI

REVISIONS:		
DATE	BY:	COMMENTS:
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10.17.25	CH	BID SET - SHEET PILE CONTRACT; ADD #1
SHEET:		



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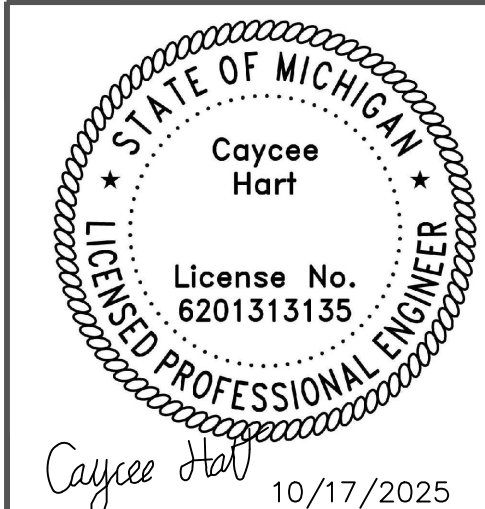
**LEGEND**

- PROPERTY LINE
- 100 YEAR FLOODPLAIN BOUNDARY
- EXISTING SHEET PILE RETAINING WALL
- PROPOSED SHEET PILE RETAINING WALL
- PROPOSED FENCE
- WETLAND BOUNDARY
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**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
Ingham County, Michigan

**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN











DRAWN BY: CH CHECKED BY: YI

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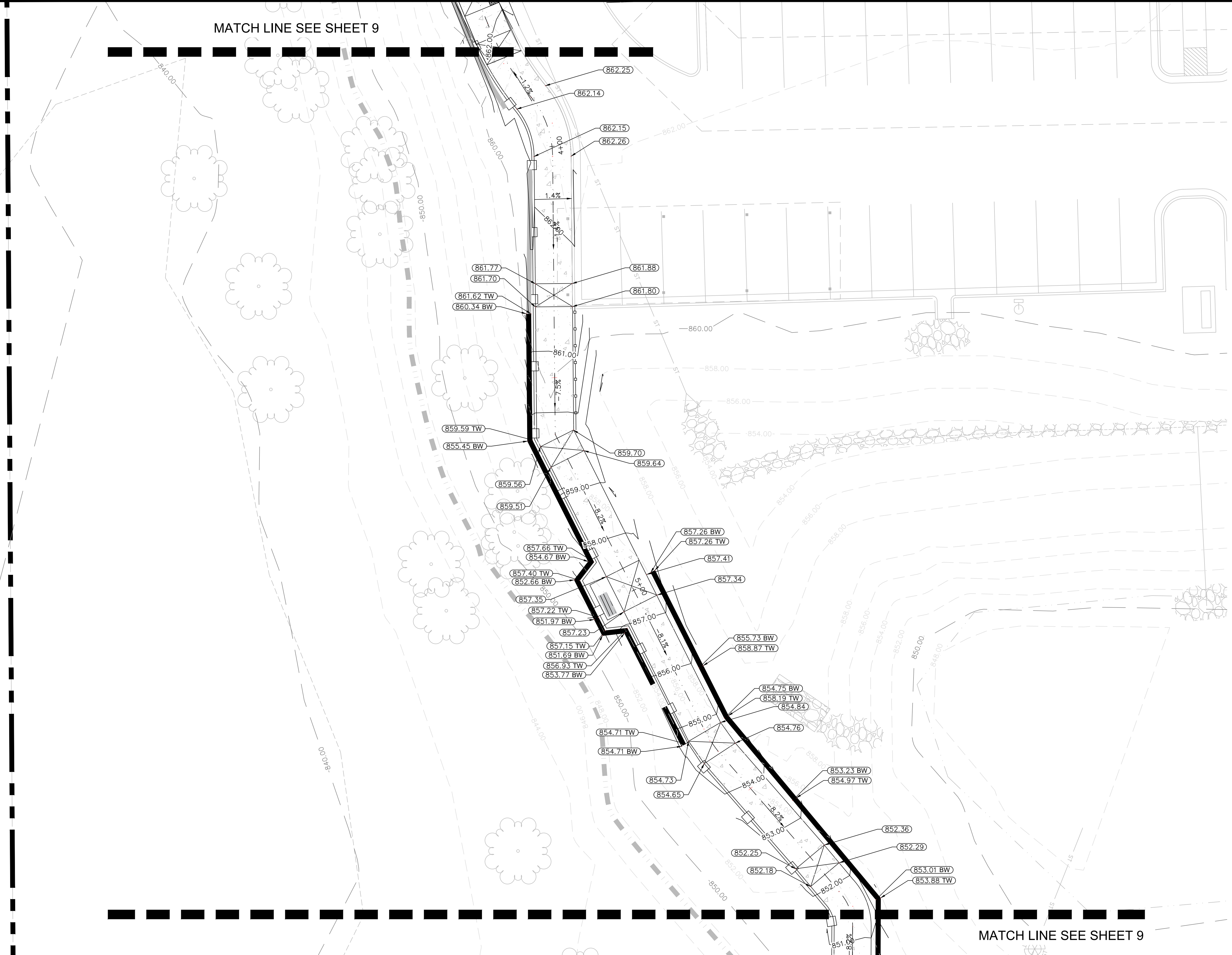
MATCH LINE SEE SHEET 9

**LEGEND**

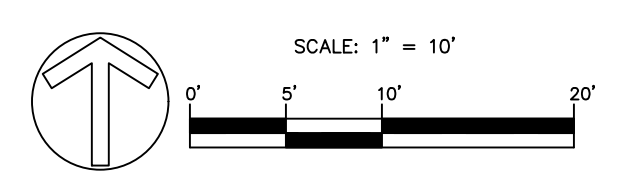
-  PROPERTY LINE
-  100 YEAR FLOODPLAIN BOUNDARY
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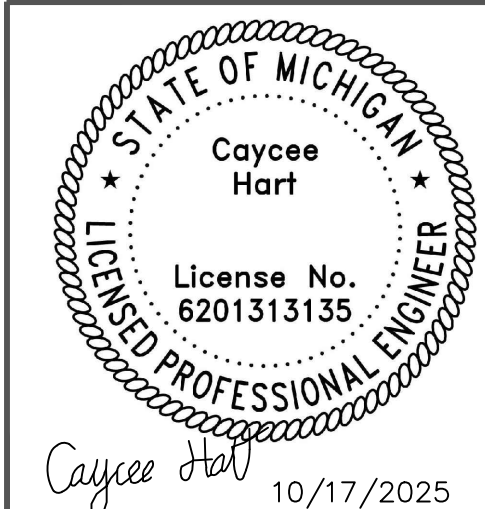


MATCH LINE SEE SHEET 9



**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
Ingham County, Michigan

PATHWAY

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

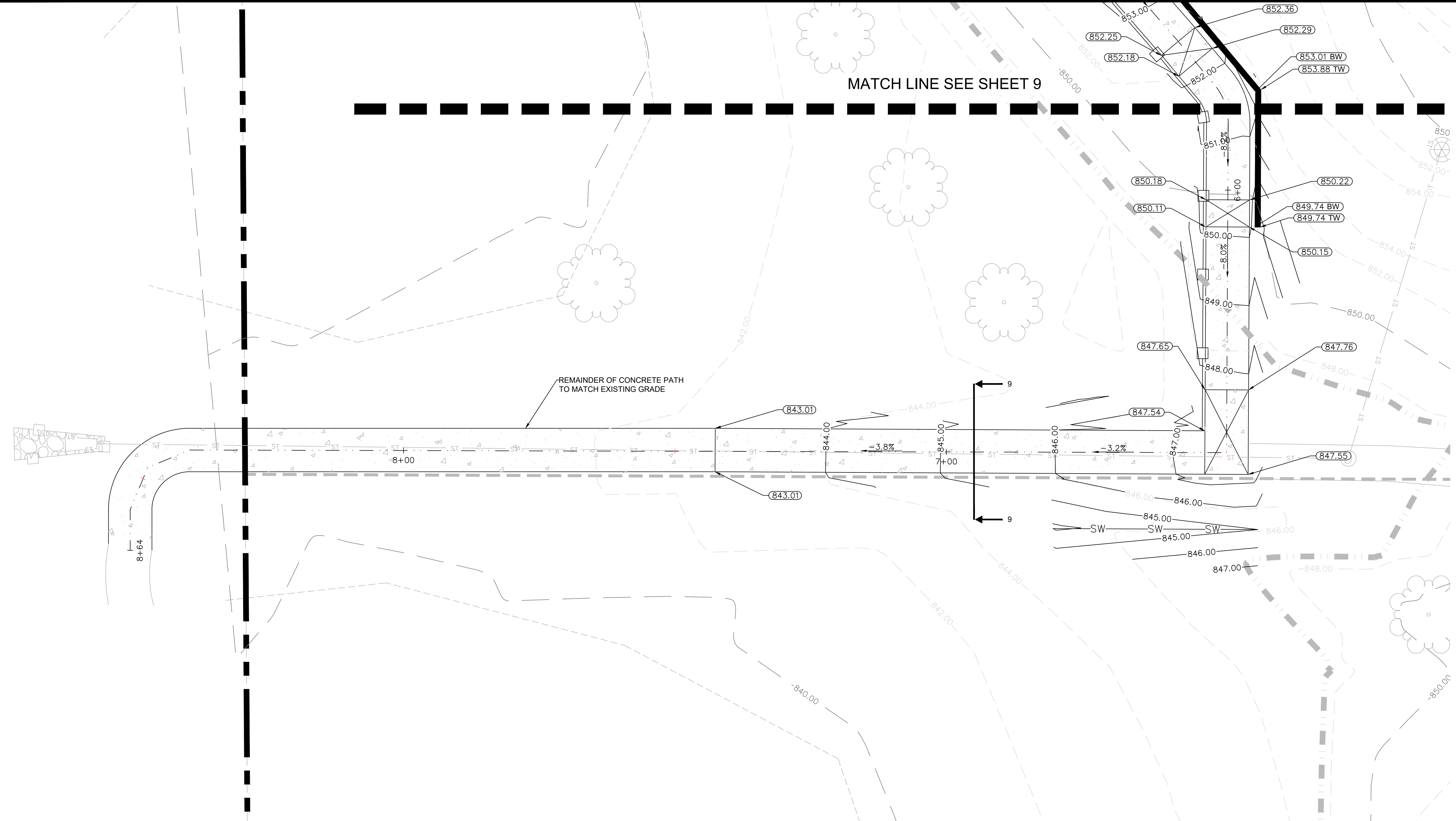
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DATE	BY:	COMMENTS:
10.03.25	CH	BID SET
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SHEET:		

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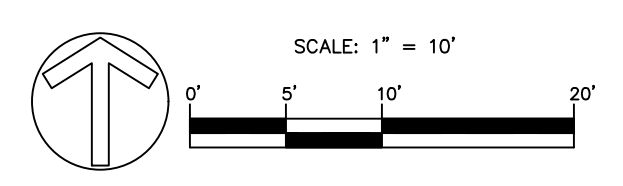
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**LEGEND**

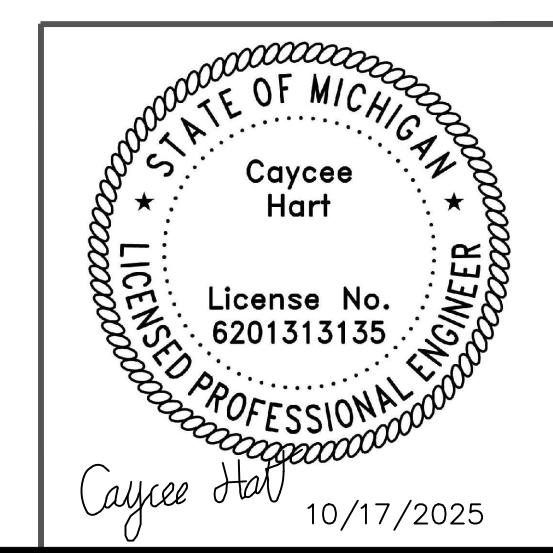
- PROPERTY LINE
- 100 YEAR FLOODPLAIN BOUNDARY
- EXISTING SHEET PILE RETAINING WALL
- PROPOSED SHEET PILE RETAINING WALL
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WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
Ingham County, Michigan

**PATHWAY**

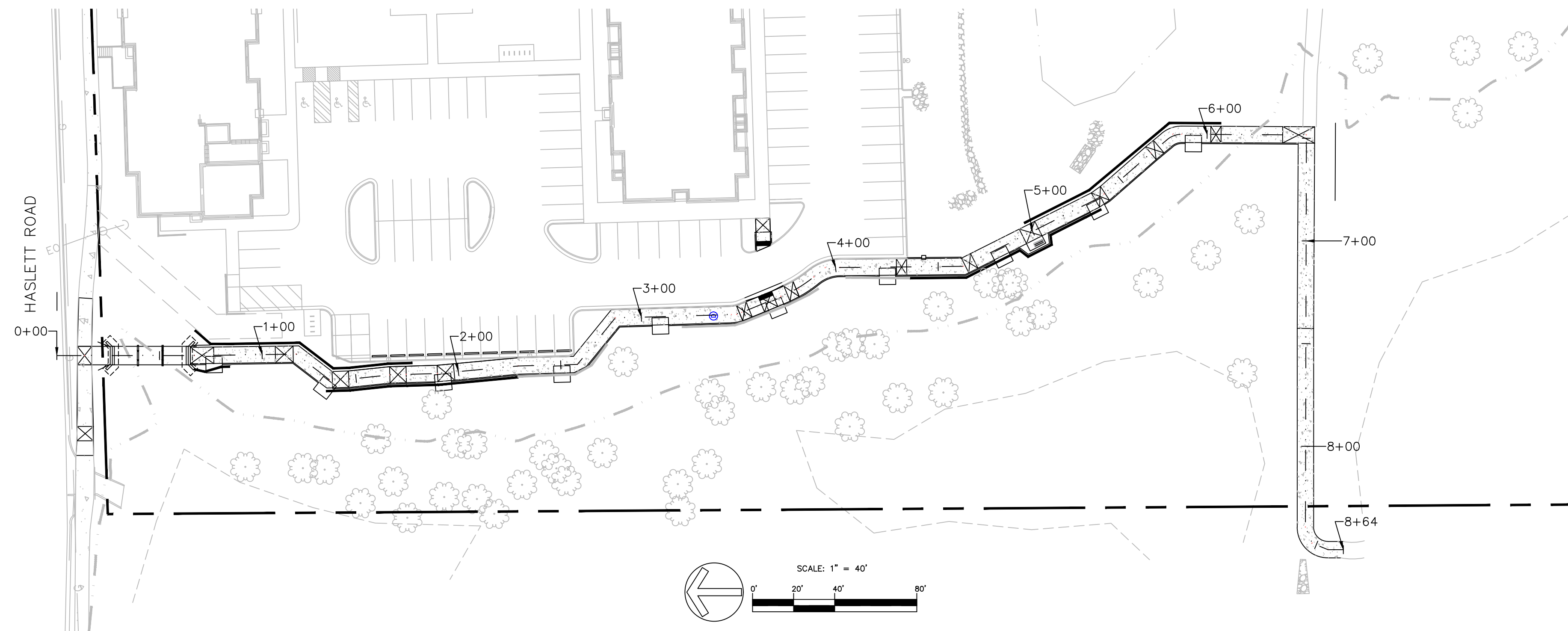
AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

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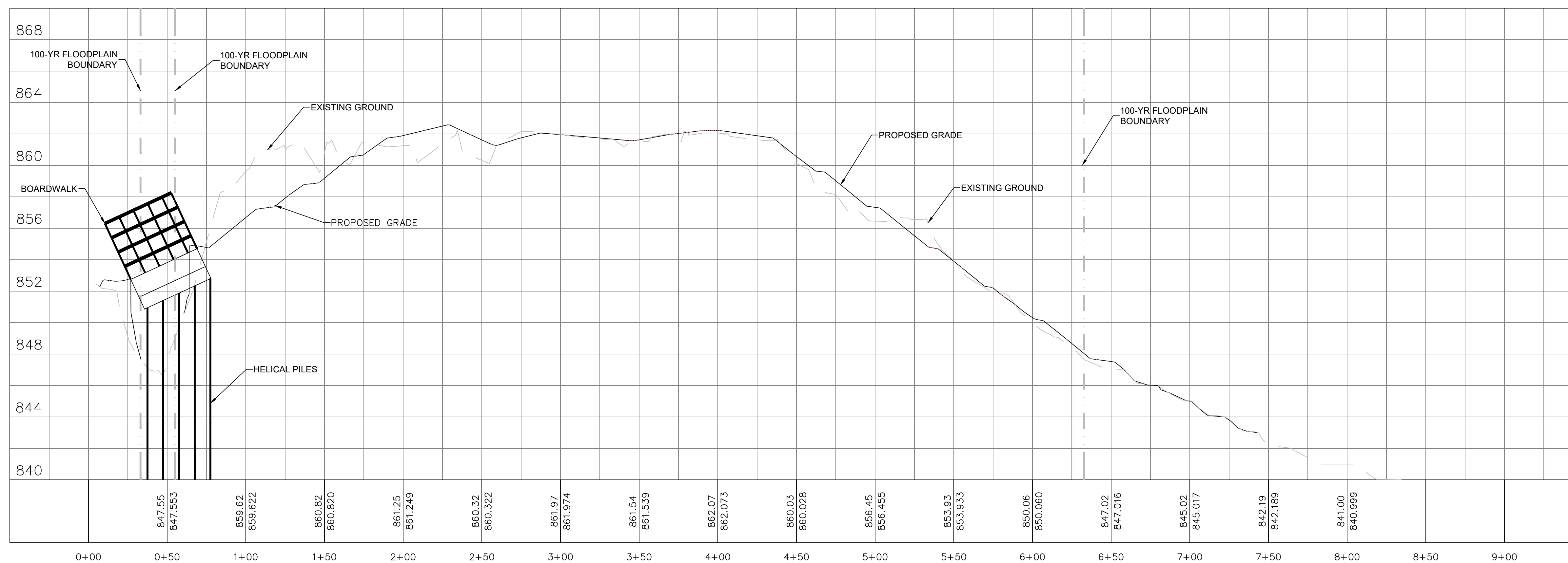
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SHEET:		



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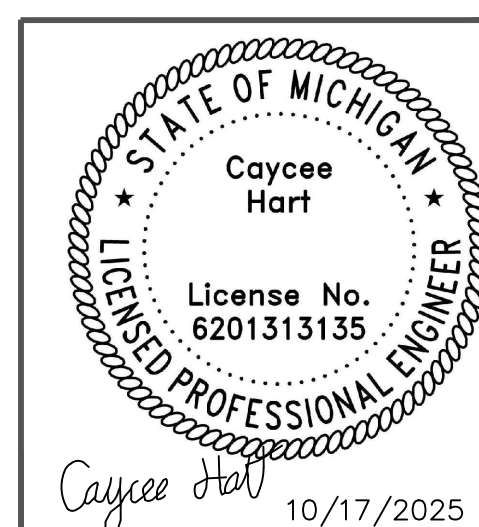


PATH PROFILE PROFILE  
 HORIZ. SCALE: 1"=40'  
 VERT. SCALE: 1"=4'



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WOLVERINE PIPE LINE COMPANY 219-844-9510



Meridian Charter Township  
 Ingham County, Michigan  
**PATHWAY**

AMERICAN HOUSE PATHWAY  
 1673 HASLETT ROAD  
 SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
 INGHAM COUNTY, MICHIGAN

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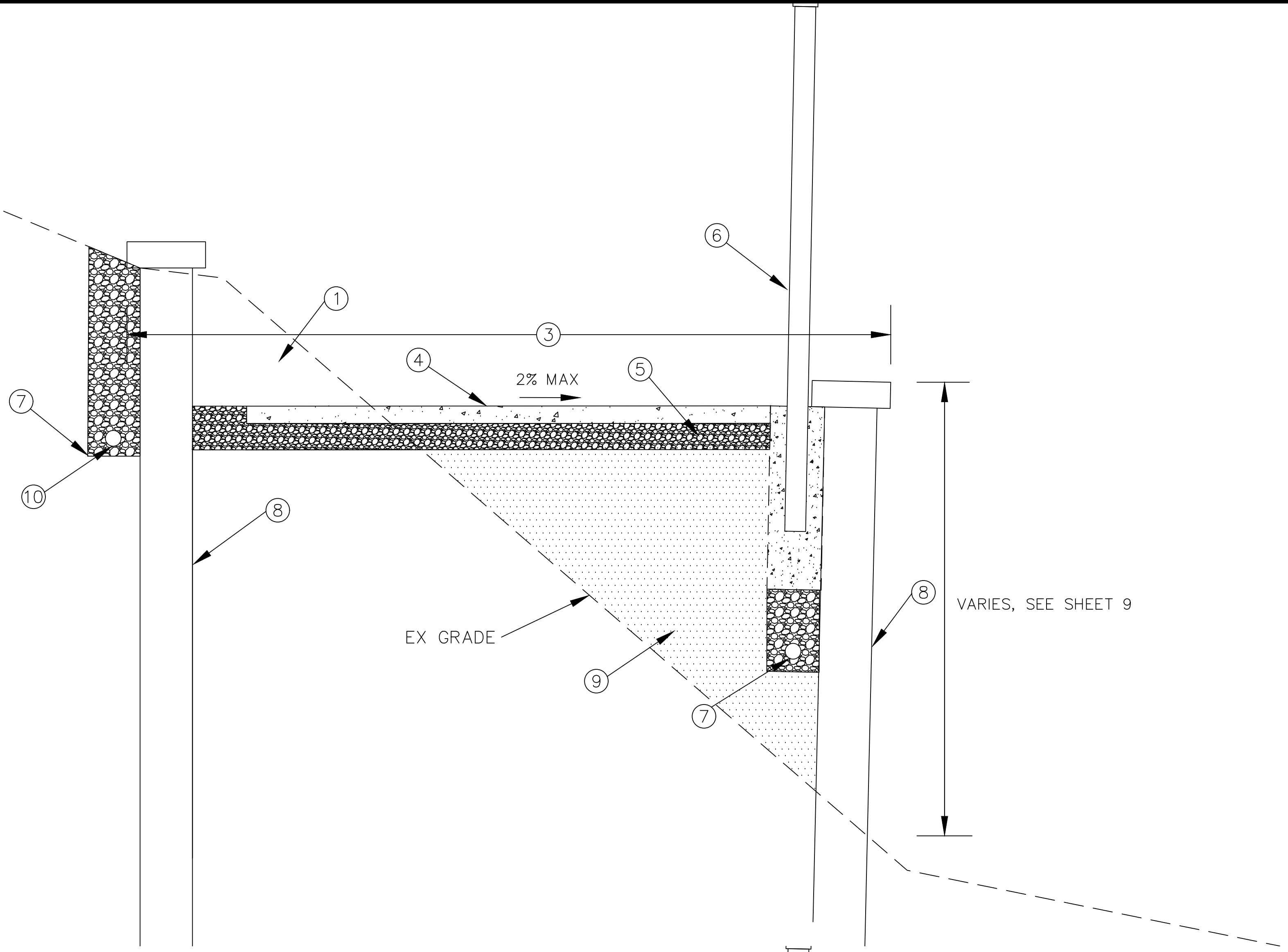
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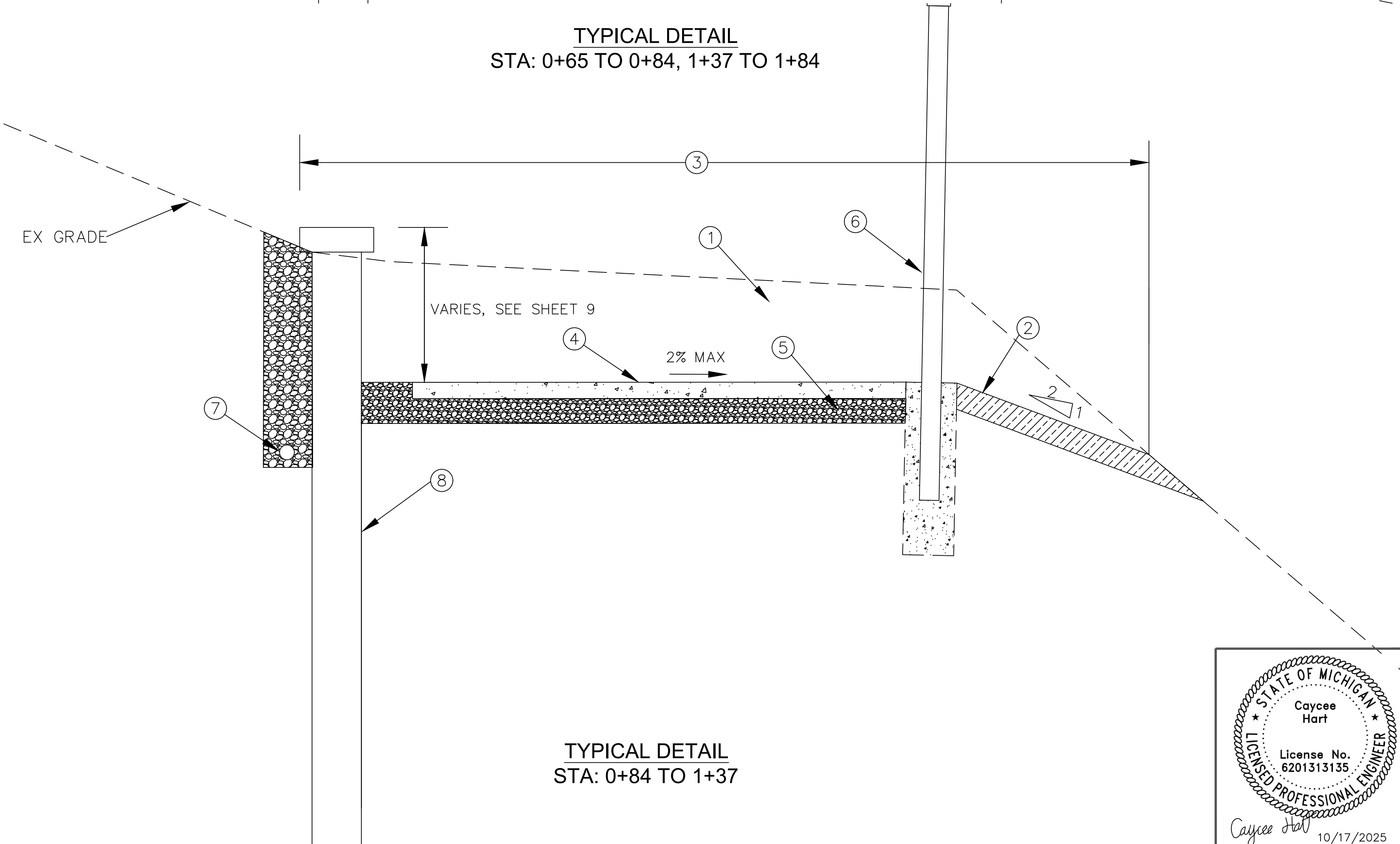
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- PAY ITEM LEGEND:**
- ① EXCAVATION, EARTH
  - ② SITE RESTORATION (3" SCREENED TOPSOIL)
  - ③ SHARED USE PATH, GRADING
  - ④ SHARED USE PATH, 4" CONCRETE
  - ⑤ SHARED USE PATH AGGREGATE, 3 INCH COMPACTED SAND
  - ⑥ FENCE, SEE DETAIL ON SHEET 7
  - ⑦ UNDERDRAIN, PIPE, OPEN-GRADED, 4 INCH
  - ⑧ SHEET PILE RETAINING WALL
  - ⑨ EMBANKMENT, LM

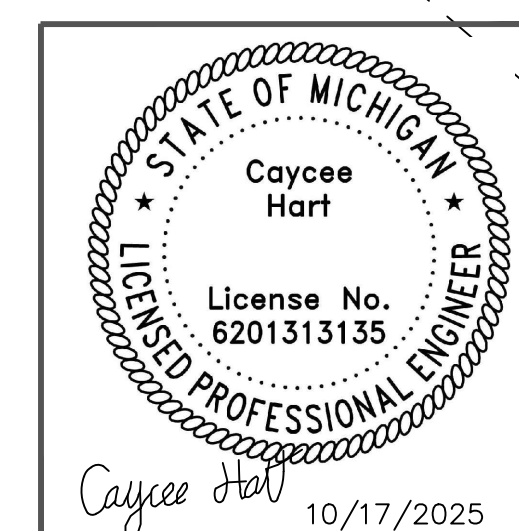
- GENERAL NOTES:**
- CROSS-SECTIONS ARE NOT TO SCALE.
  - CROSS-SECTIONS ARE LOOKING UP-STATION.
  - SALVAGE OR REMOVE EXISTING TOPSOIL WITHIN THE GRADING LIMITS, OR AS DIRECTED BY THE ENGINEER. REMOVAL AND DISPOSAL WILL BE PAID FOR AS EXCAVATION, EARTH.
  - TOPSOIL FOR SITE RESTORATION MAY BE SALVAGED FROM SITE, BUT MUST BE SCREENED OR RAKED TO REMOVE 1" OR GREATER DEBRIS.
  - FOR SITE RESTORATION, USE SEED MEETING MDOT THM MIXTURE.
  - EMBANKMENT, LM SHALL BE CLASS II GRANULAR MATERIAL OR ASPHALT MILLINGS.
  - FOR EMBANKMENT, LM AND SHARED USE PATH AGGREGATE THE CONTRACTOR MAY USE MILLINGS FROM THE STOCKPILE AT MERIDIAN TOWNSHIP'S SERVICE CENTER. THERE ARE MORE THAN ENOUGH MILLINGS FOR ALL OF THE FILL REQUIRED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE THE LABOR AND EQUIPMENT TO LOAD AND TRANSPORT THE MILLINGS FROM THE STOCKPILE LOCATION TO THE CONSTRUCTION SITE.



**TYPICAL DETAIL**  
STA: 0+65 TO 0+84, 1+37 TO 1+84



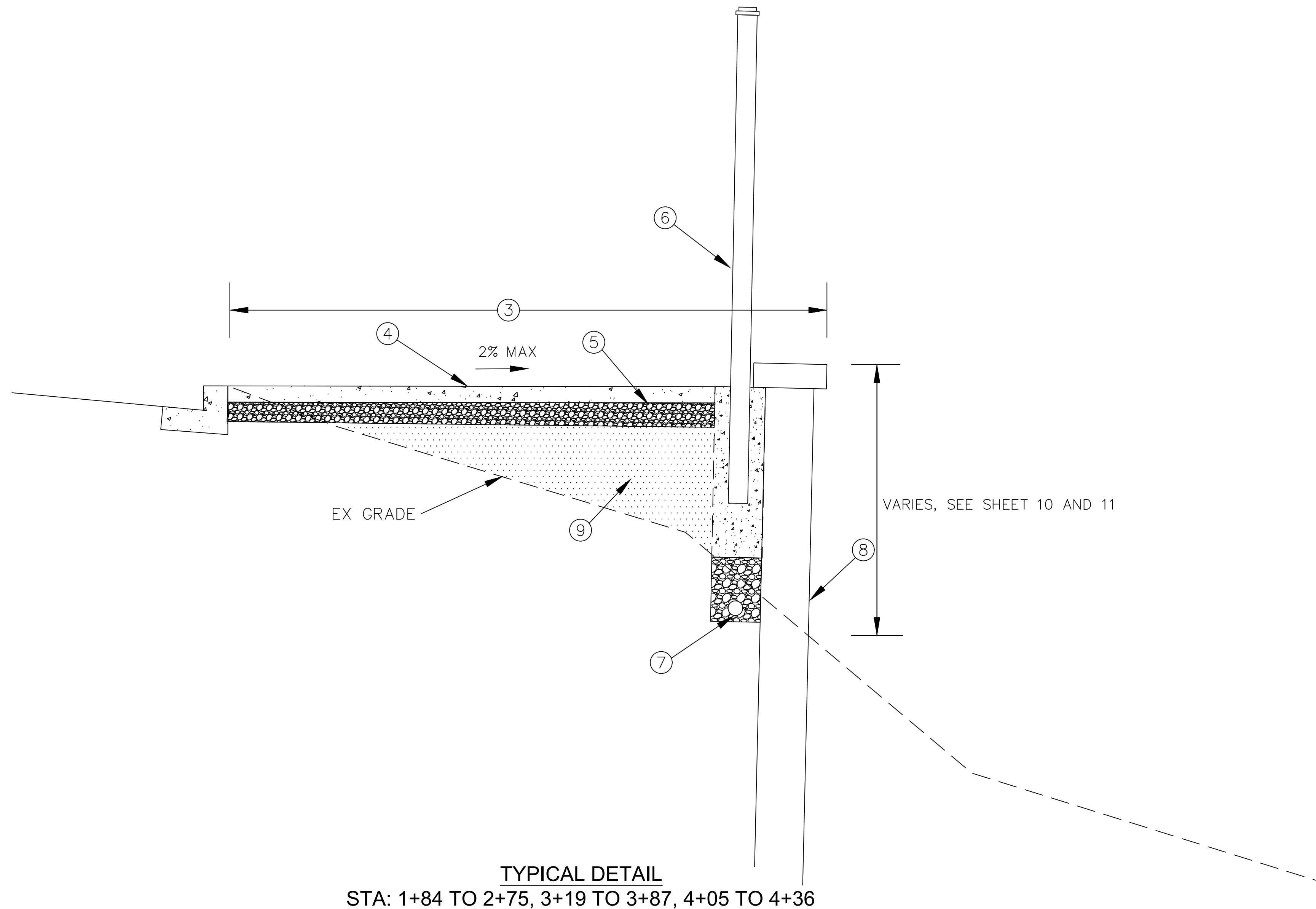
**TYPICAL DETAIL**  
STA: 0+84 TO 1+37



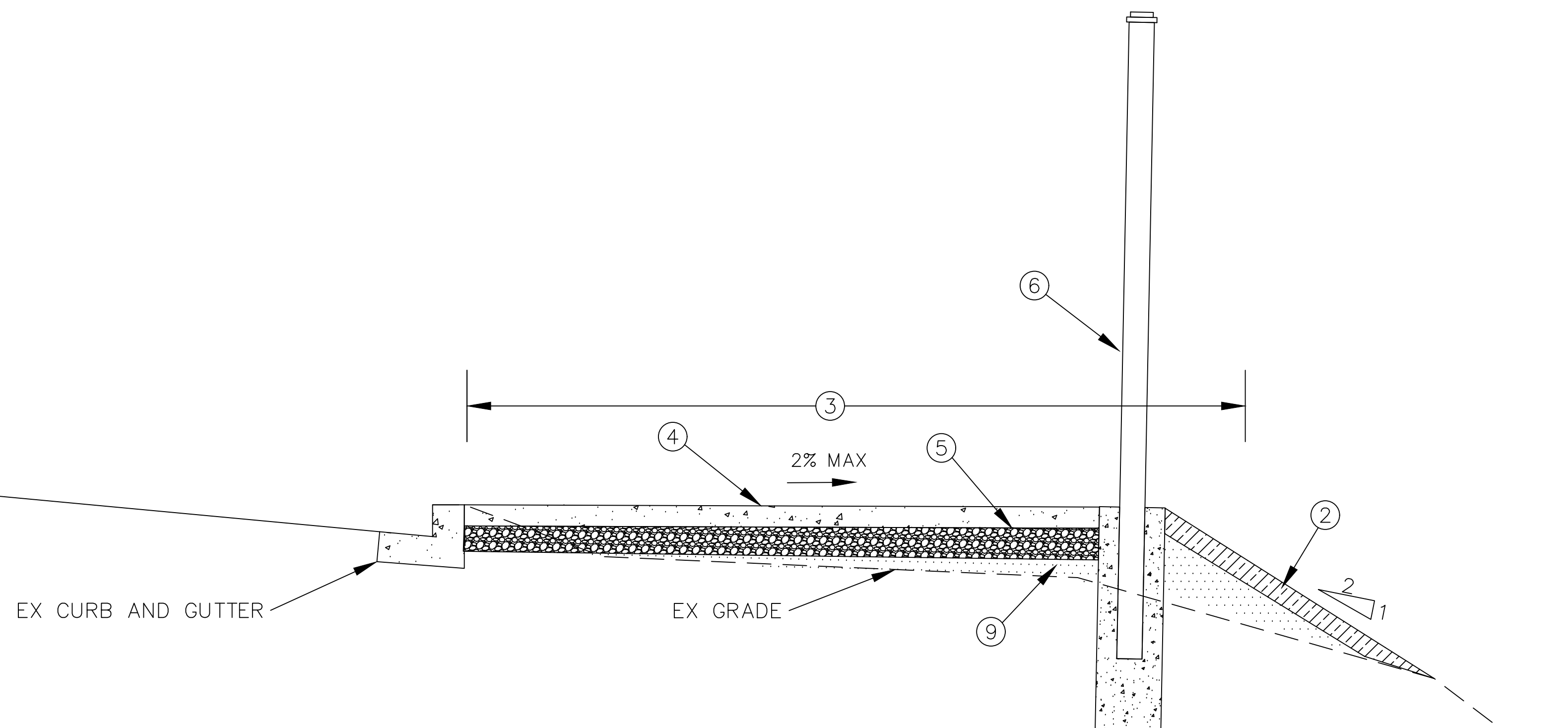
<b>Meridian Charter Township</b> <b>Ingham County, Michigan</b> <b>PATHWAY</b>		<b>REVISIONS:</b>							
		<table border="1"> <thead> <tr> <th>DATE</th> <th>BY:</th> <th>COMMENTS:</th> </tr> </thead> <tbody> <tr> <td>10.03.25</td> <td>CH</td> <td>BID SET</td> </tr> <tr> <td>10.17.25</td> <td>CH</td> <td>BID SET - SHEET PILE CONTRACT; ADD #1</td> </tr> </tbody> </table>	DATE	BY:	COMMENTS:	10.03.25	CH	BID SET	10.17.25
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<b>AMERICAN HOUSE PATHWAY</b> <b>1673 HASLETT ROAD</b> <small>SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,          INGHAM COUNTY, MICHIGAN</small>		SHEET:							
		14 - TYPICAL SECTIONS							
DRAWN BY: CH	CHECKED BY: YI								



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TYPICAL DETAIL  
STA: 1+84 TO 2+75, 3+19 TO 3+87, 4+05 TO 4+36



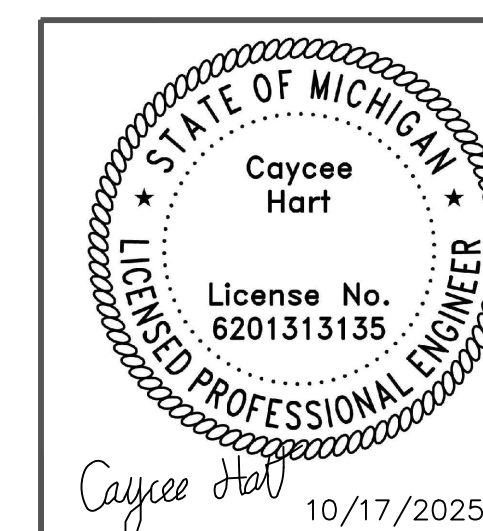
TYPICAL DETAIL  
STA: 2+75 TO 3+19, 3+87 TO 4+05

PAY ITEM LEGEND:

- ① EXCAVATION, EARTH
- ② SITE RESTORATION (3" SCREENED TOPSOIL)
- ③ SHARED USE PATH, GRADING
- ④ SHARED USE PATH, 4" CONCRETE
- ⑤ SHARED USE PATH AGGREGATE, 3 INCH COMPACTED SAND
- ⑥ FENCE, SEE DETAIL ON SHEET 7
- ⑦ UNDERDRAIN, PIPE, OPEN-GRADED, 4 INCH
- ⑧ SHEET PILE RETAINING WALL
- ⑨ EMBANKMENT, LM

GENERAL NOTES:

- CROSS-SECTIONS ARE NOT TO SCALE.
- CROSS-SECTIONS ARE LOOKING UP-STATION.
- 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.
- EMBANKMENT, LM SHALL BE CLASS II GRANULAR MATERIAL OR ASPHALT MILLINGS.
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Meridian Charter Township  
Ingham County, Michigan  
PATHWAY

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

DRAWN BY: CH

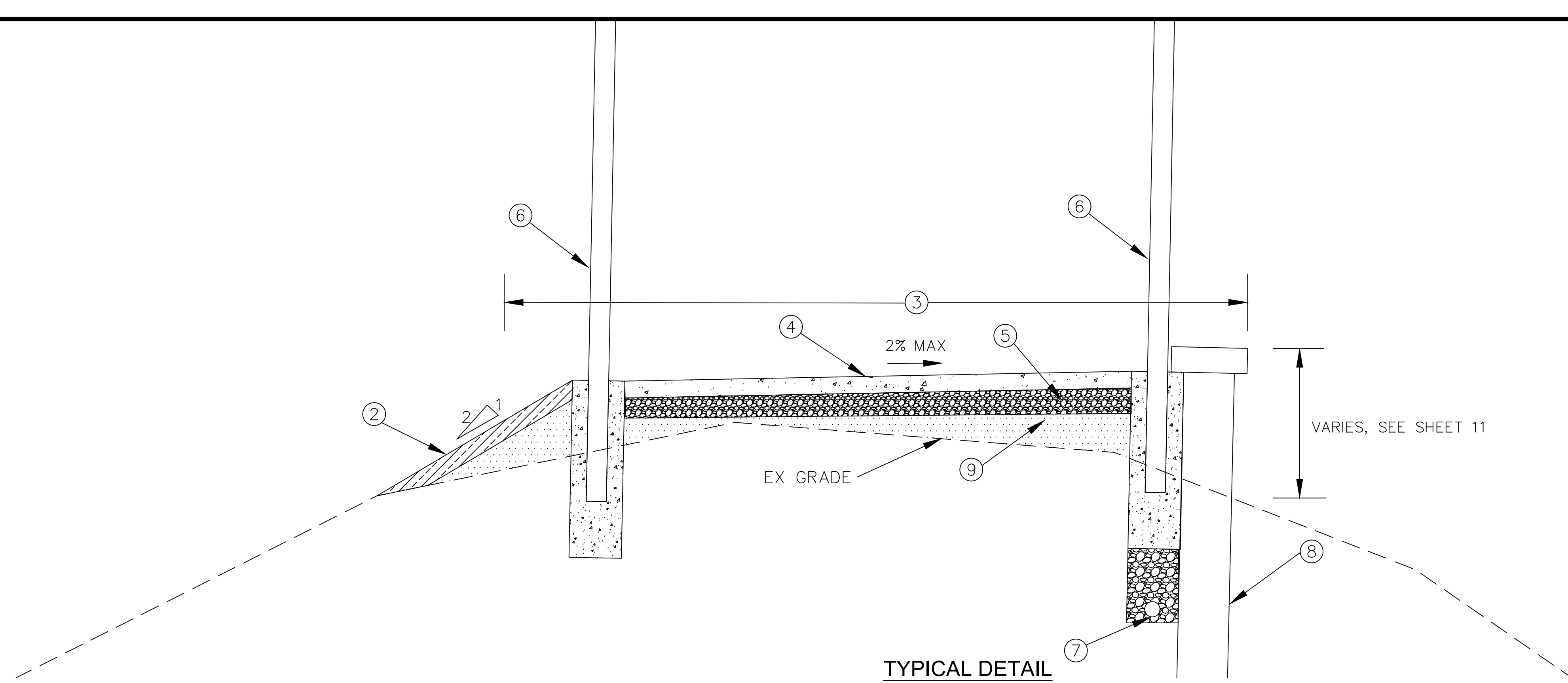
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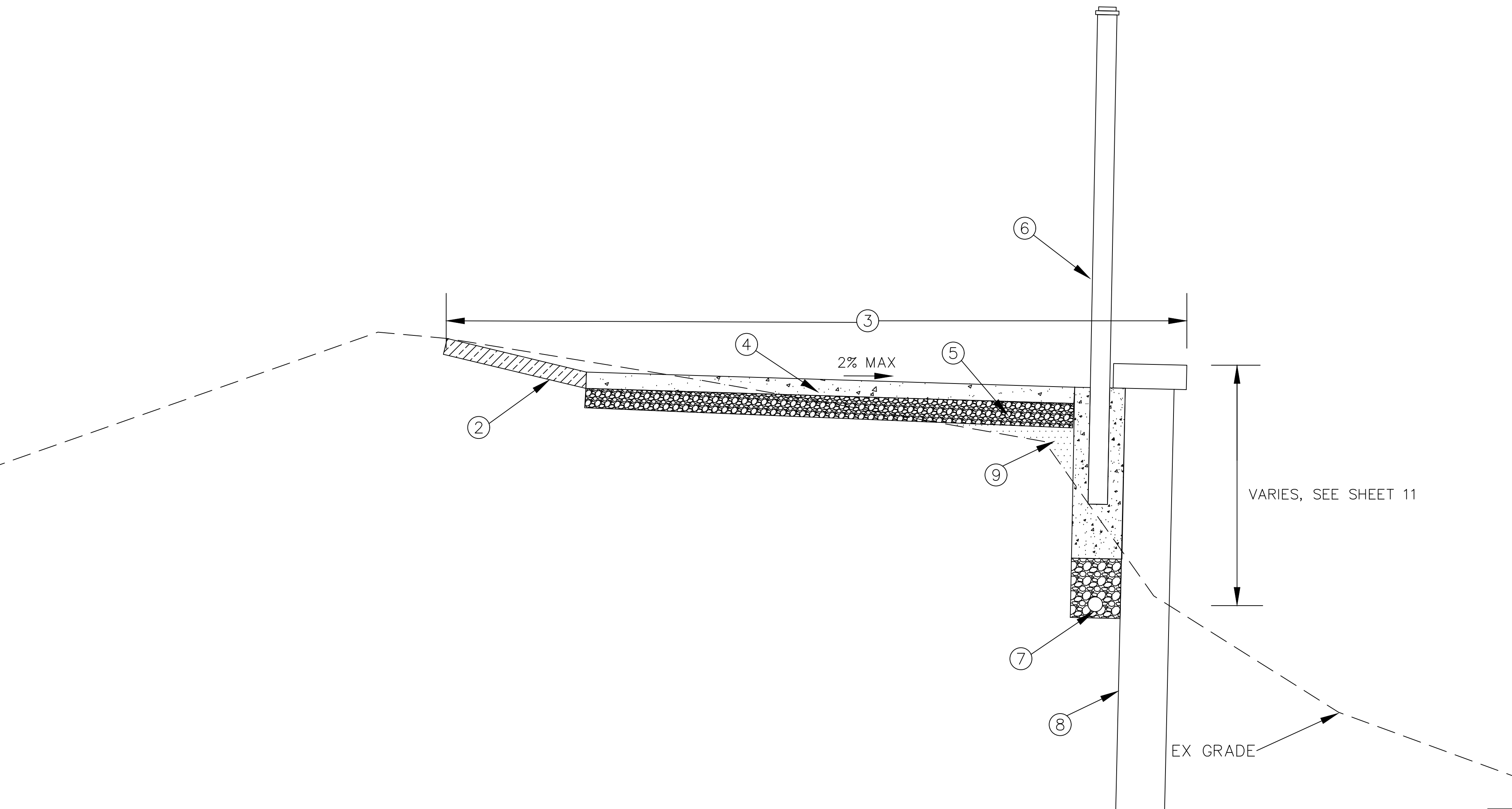


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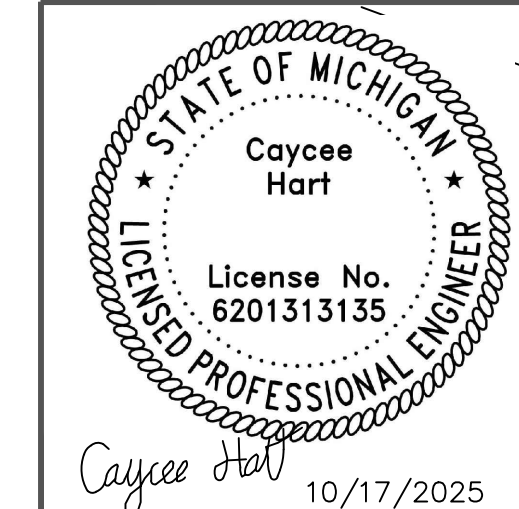
TYPICAL DETAIL  
STA: 4+36 TO 4+60

- PAY ITEM LEGEND:**
- ① EXCAVATION, EARTH
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  - ③ SHARED USE PATH, GRADING
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  - ⑤ SHARED USE PATH AGGREGATE, 3 INCH COMPACTED SAND
  - ⑥ FENCE, SEE DETAIL ON SHEET 7
  - ⑦ UNDERDRAIN, PIPE, OPEN-GRADED, 4 INCH
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  - ⑨ EMBANKMENT, LM



TYPICAL DETAIL  
STA: 4+60 TO 4+98

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  - CROSS-SECTIONS ARE LOOKING UP-STATION.
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Meridian Charter Township  
Ingham County, Michigan  
**PATHWAY**

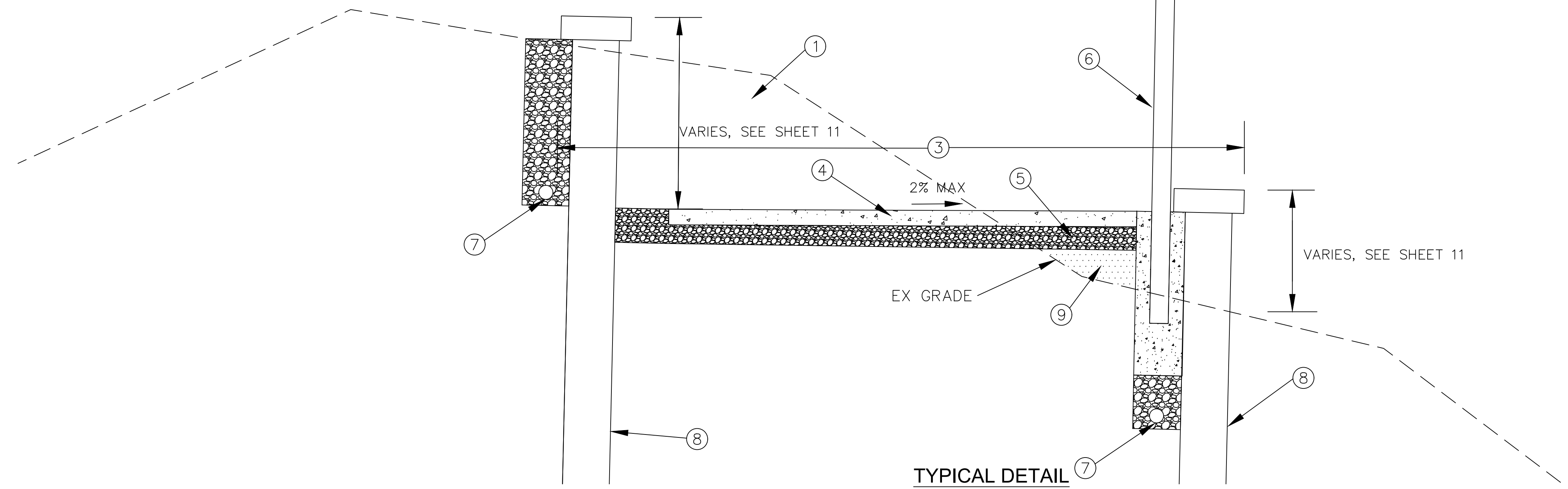
AMERICAN HOUSE PATHWAY  
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SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

DRAWN BY: CH      CHECKED BY: YI

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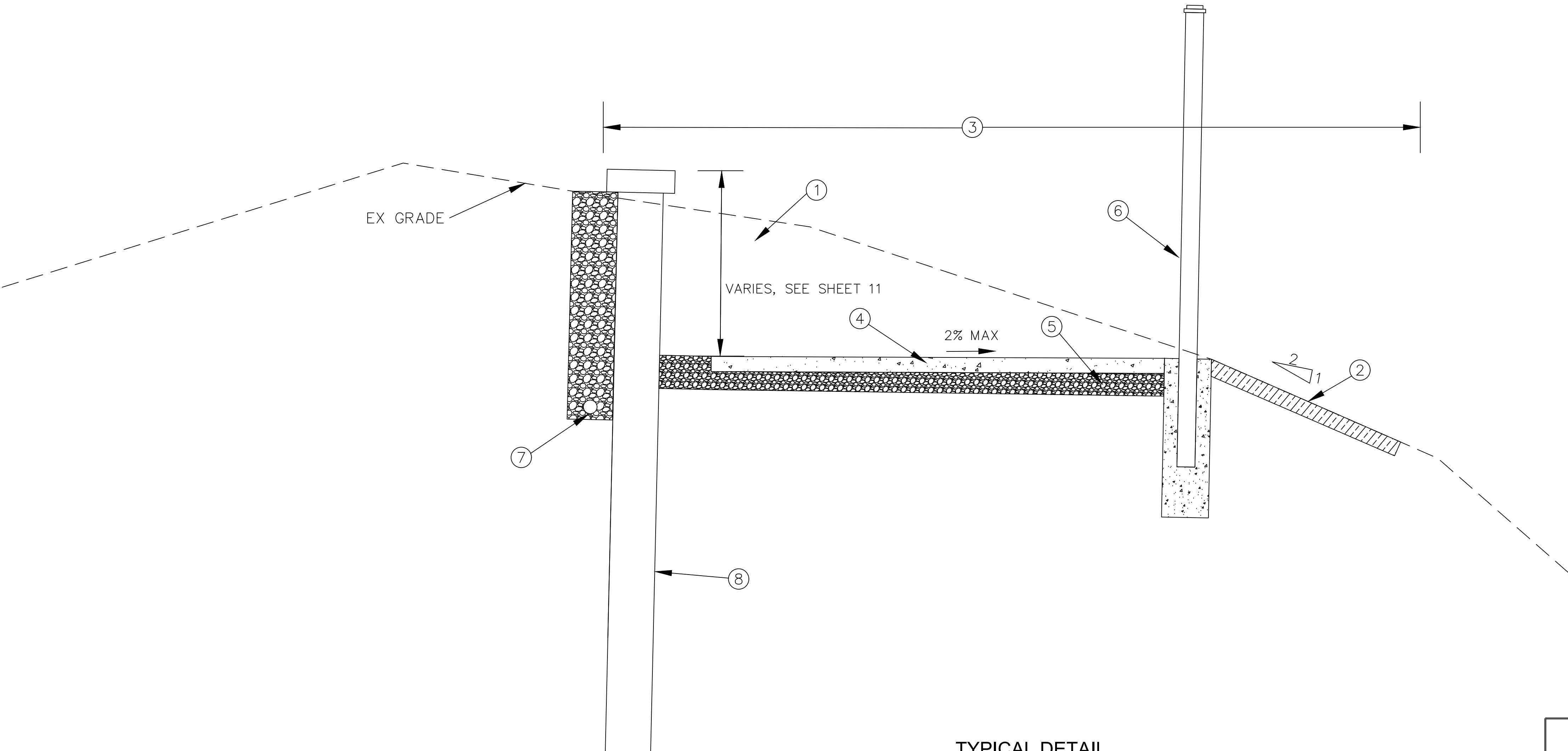


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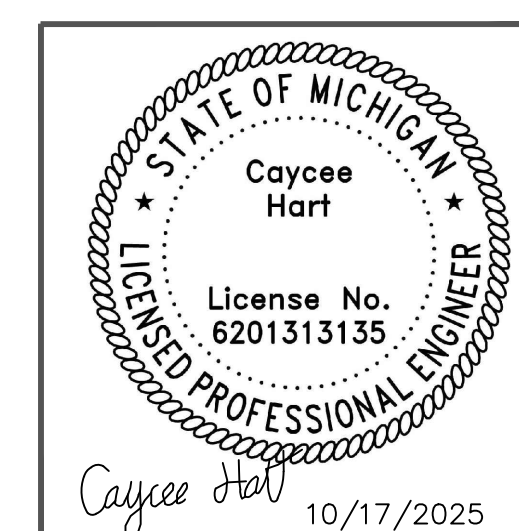
TYPICAL DETAIL  
STA: 4+98 TO 5+35

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  - ⑥ FENCE, SEE DETAIL ON SHEET 7
  - ⑦ UNDERDRAIN, PIPE, OPEN-GRADED, 4 INCH
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  - ⑨ EMBANKMENT, LM



TYPICAL DETAIL  
STA: 5+36 TO 6+06

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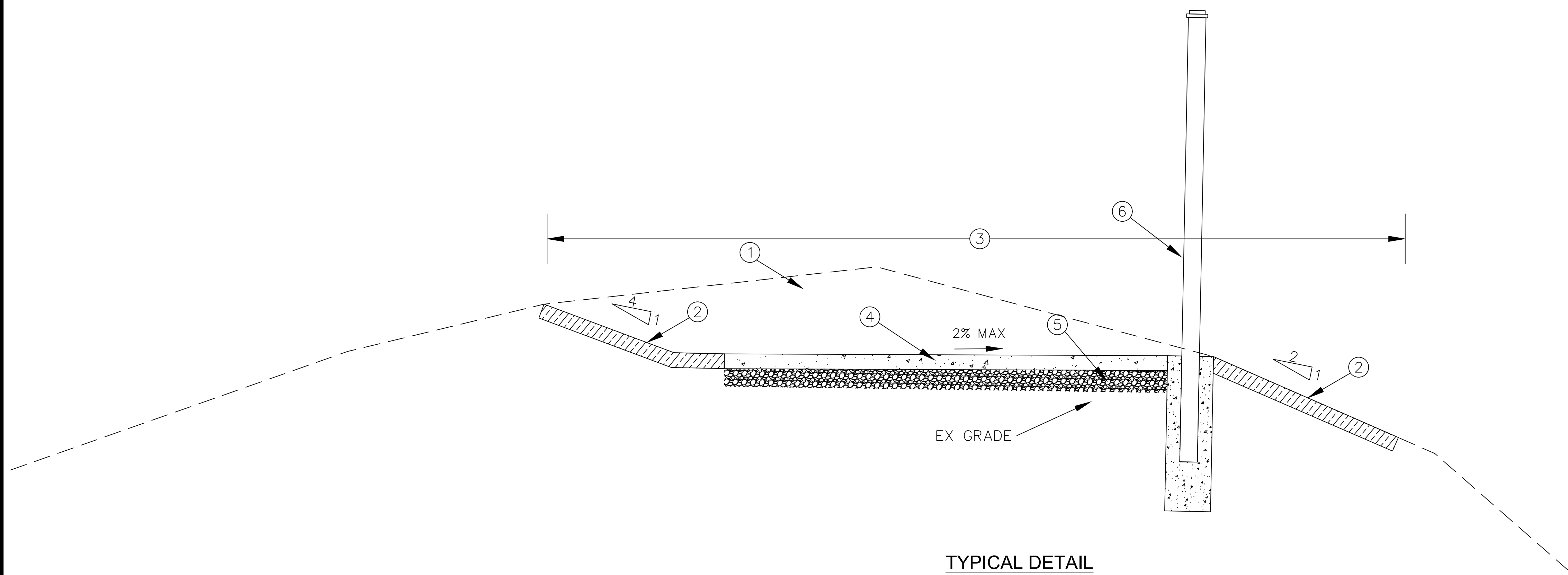
Meridian Charter Township Ingham County, Michigan <b>PATHWAY</b>			REVISIONS:		
			DATE	BY:	COMMENTS:
AMERICAN HOUSE PATHWAY 1673 HASLETT ROAD SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN			10.03.25	CH	BID SET
			10.17.25	CH	BID SET - SHEET PILE CONTRACT; ADD #1
DRAWN BY: CH			CHECKED BY: YI		
SHEET:			17 - TYPICAL SECTIONS		



G:\Engineering & Public Works\Developments\Hasett 1673 American House\Pathway\CAD\Plan Sheets\Typical Details and Sections.dwg

**PAY ITEM LEGEND:**

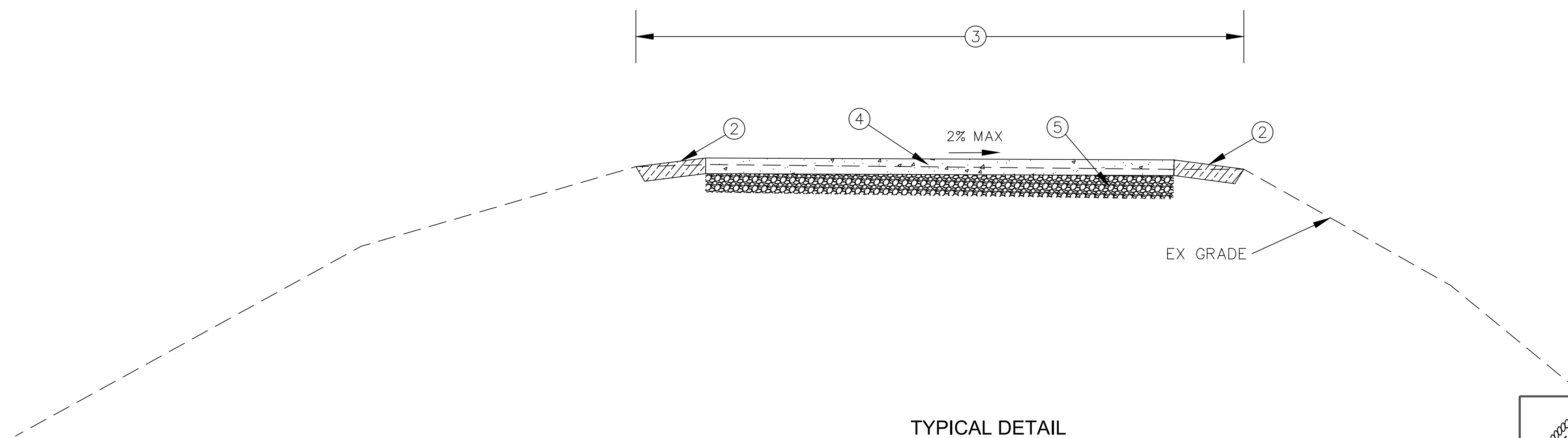
- ① EXCAVATION, EARTH
- ② SITE RESTORATION (3" SCREENED TOPSOIL)
- ③ SHARED USE PATH, GRADING
- ④ SHARED USE PATH, 4" CONCRETE
- ⑤ SHARED USE PATH AGGREGATE, 3 INCH COMPACTED SAND
- ⑥ FENCE, SEE DETAIL ON SHEET 7
- ⑦ UNDERDRAIN, PIPE, OPEN-GRADED, 4 INCH
- ⑧ SHEET PILE RETAINING WALL
- ⑨ EMBANKMENT, LM



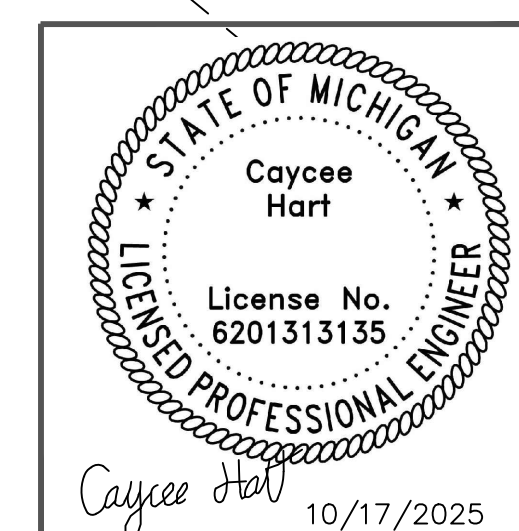
TYPICAL DETAIL  
STA: 6+06 TO 6+53

**GENERAL NOTES:**

- CROSS-SECTIONS ARE NOT TO SCALE.
- CROSS-SECTIONS ARE LOOKING UP-STATION.
- 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.
- EMBANKMENT, LM SHALL BE CLASS II GRANULAR MATERIAL OR ASPHALT MILLINGS.
- FOR EMBANKMENT, LM AND SHARED USE PATH AGGREGATE THE CONTRACTOR MAY USE MILLINGS FROM THE STOCKPILE AT MERIDIAN TOWNSHIP'S SERVICE CENTER. THERE ARE MORE THAN ENOUGH MILLINGS FOR ALL OF THE FILL REQUIRED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE THE LABOR AND EQUIPMENT TO LOAD AND TRANSPORT THE MILLINGS FROM THE STOCKPILE LOCATION TO THE CONSTRUCTION SITE.



TYPICAL DETAIL  
STA: 6+53 TO 8+64



Meridian Charter Township  
Ingham County, Michigan

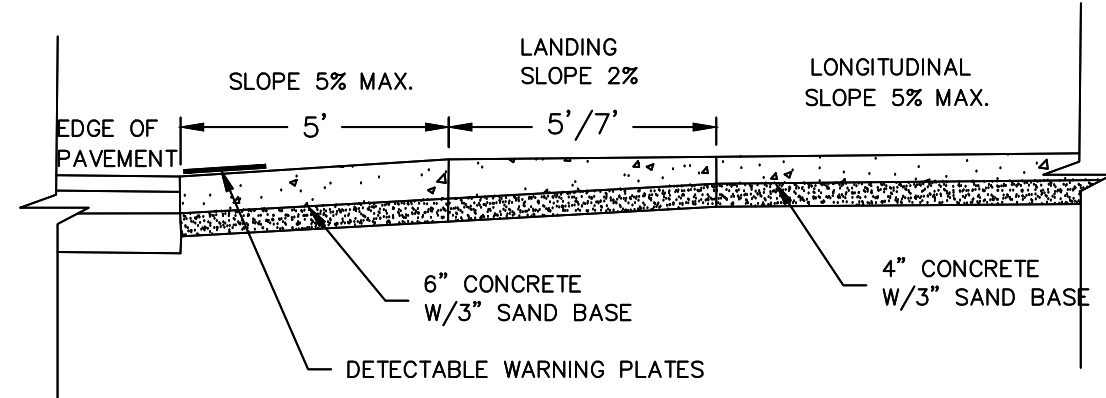
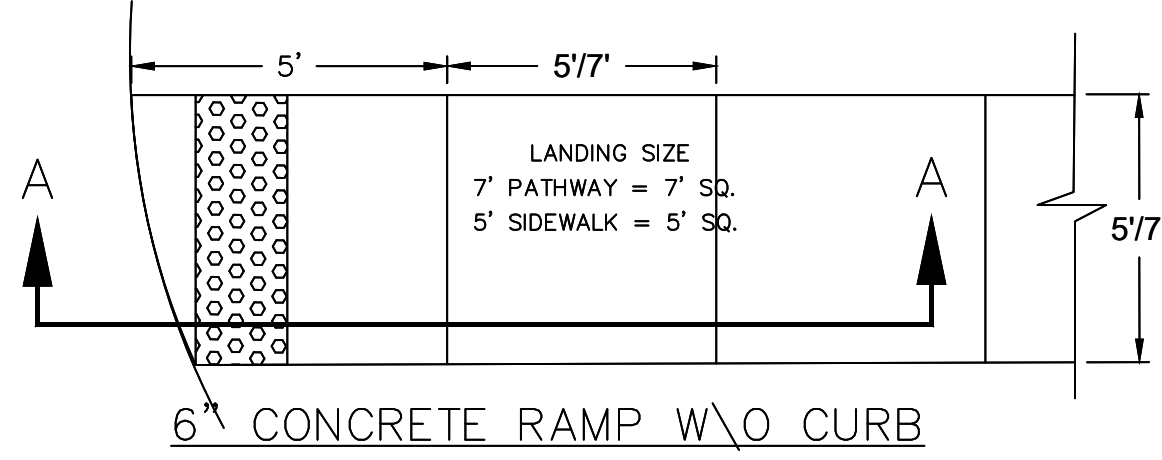
**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

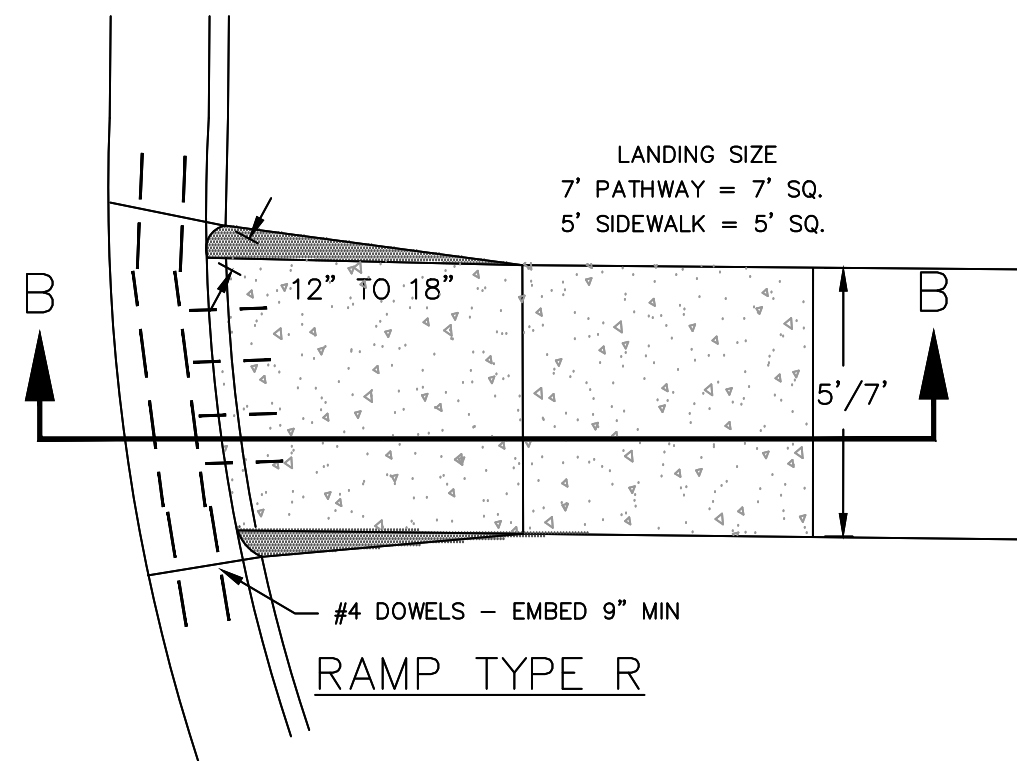
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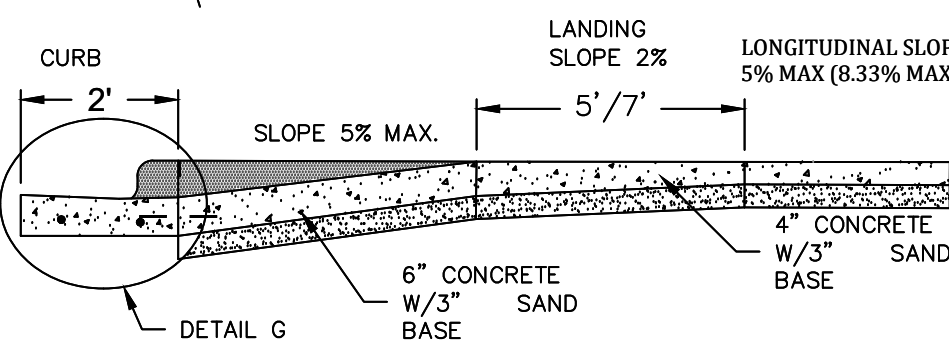




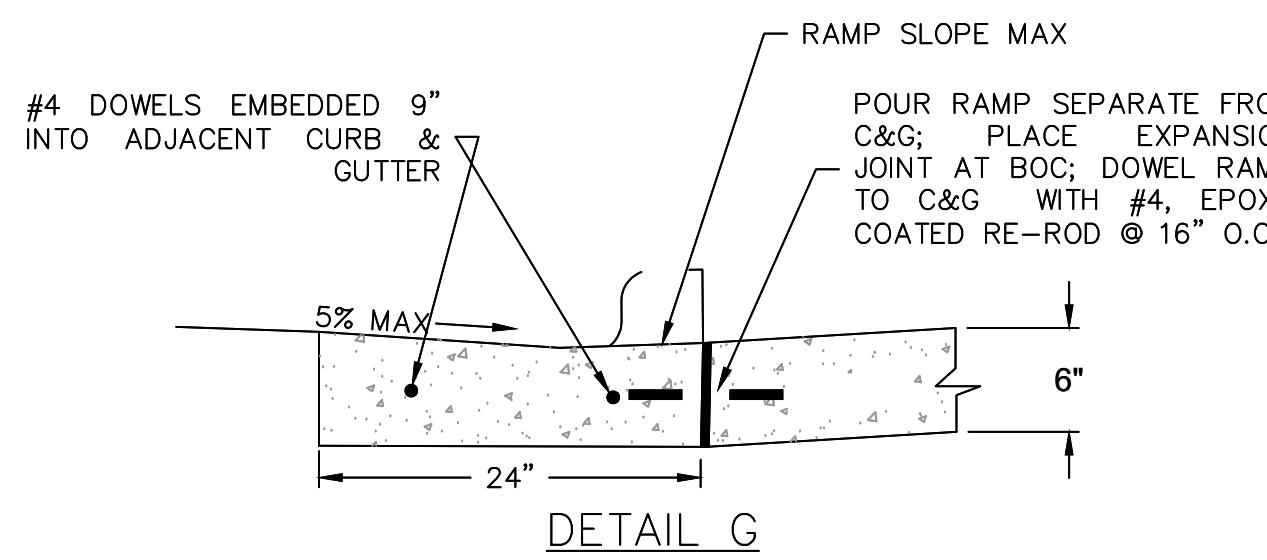
CROSS SECTION A-A



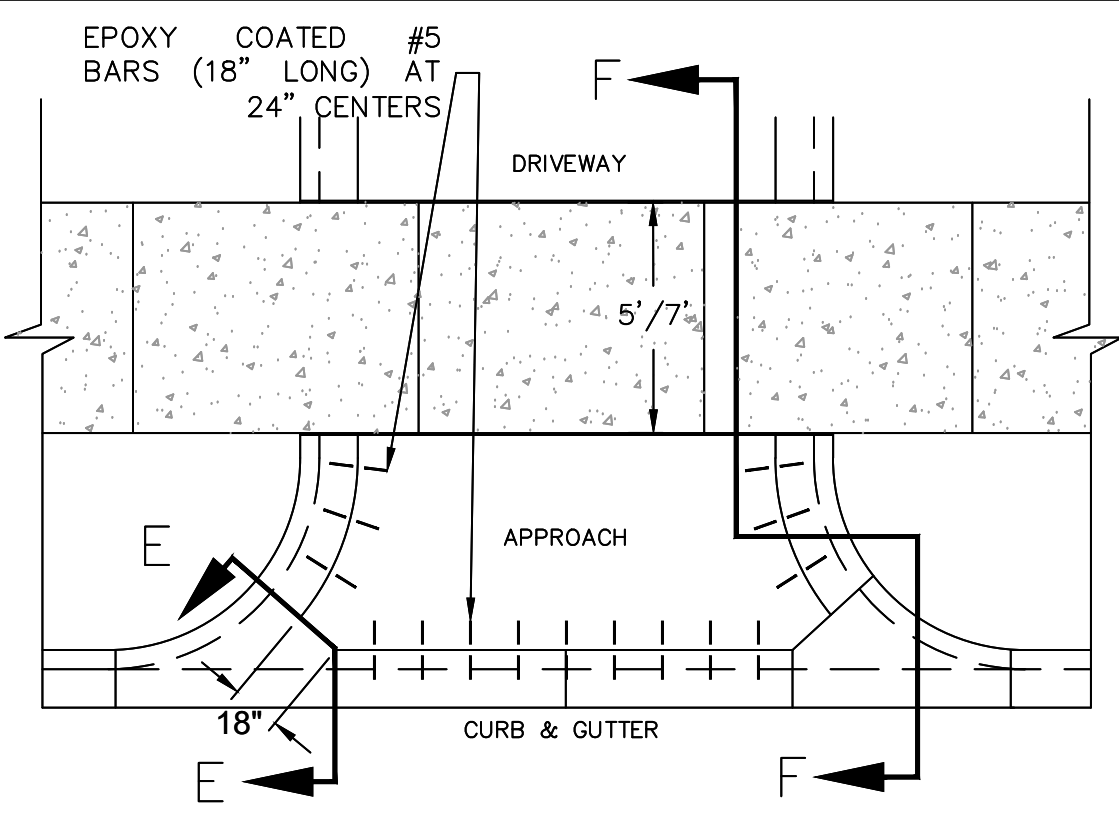
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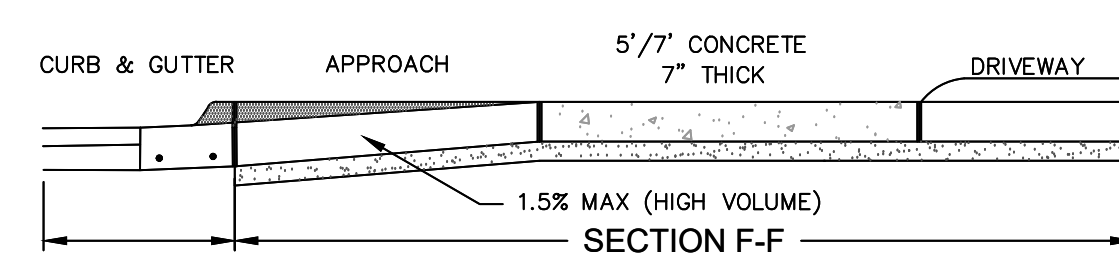
CROSS SECTION B-B



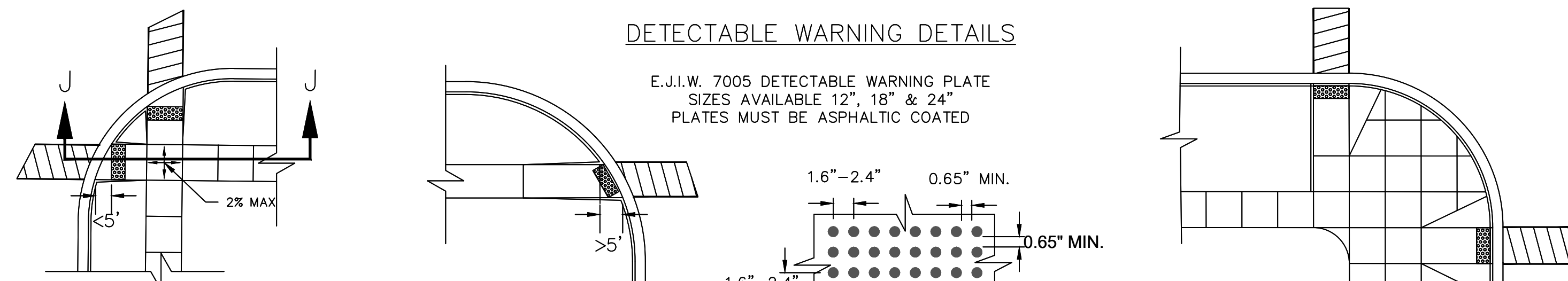
DETAIL G



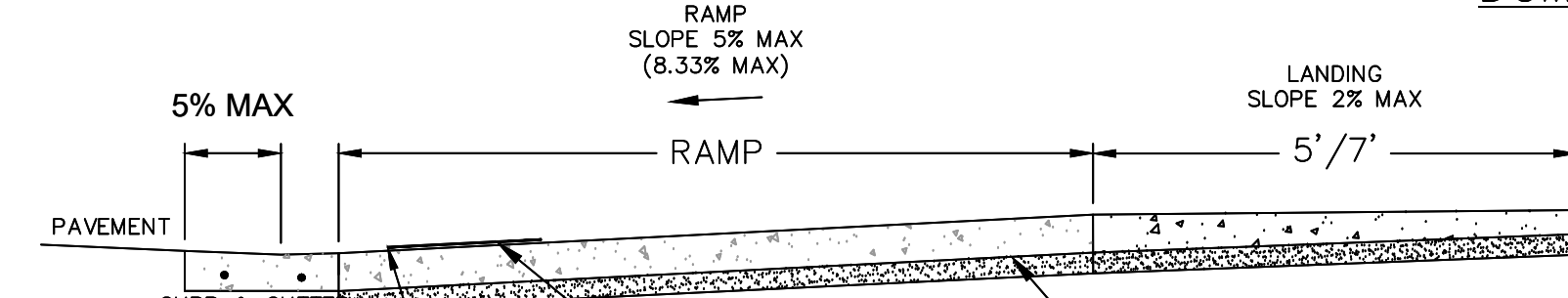
TYP. COMMERCIAL DRIVEWAY PLAN



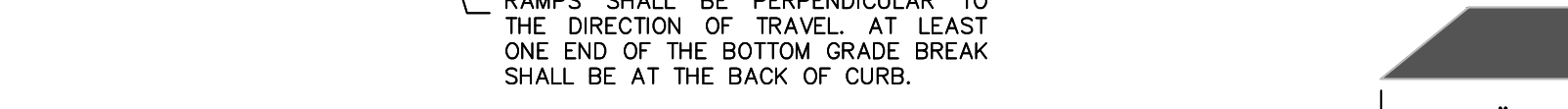
SECTION E-E CROSS SECTIONS E-E; F-F



RAMPS LOCATED IN RADIUS RAMP LOCATED IN RADIUS



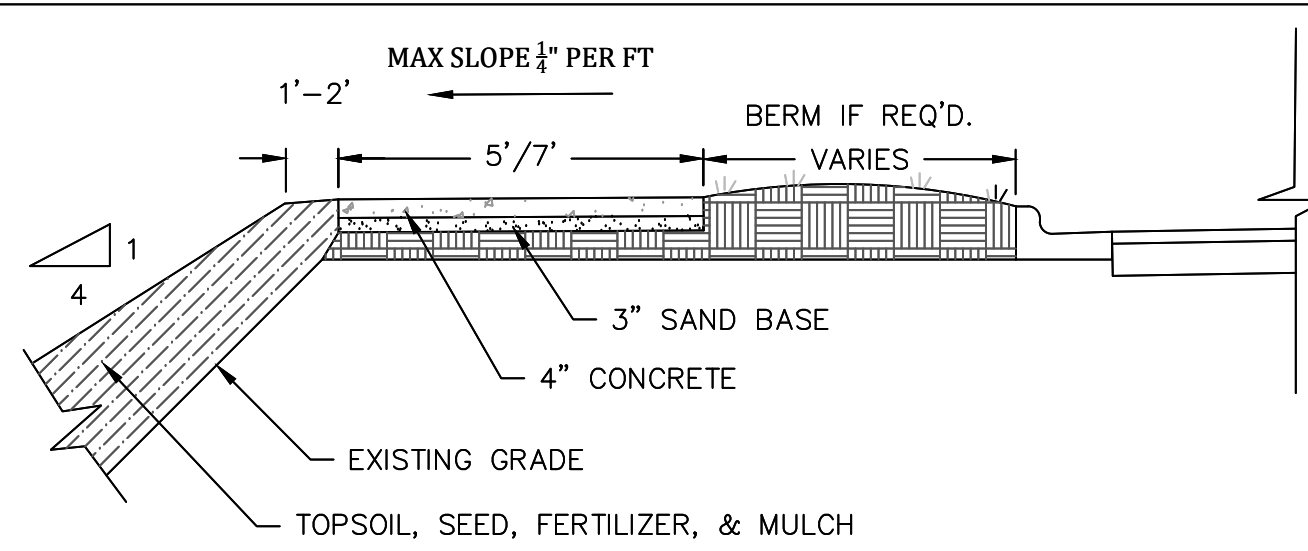
SECTION J-J



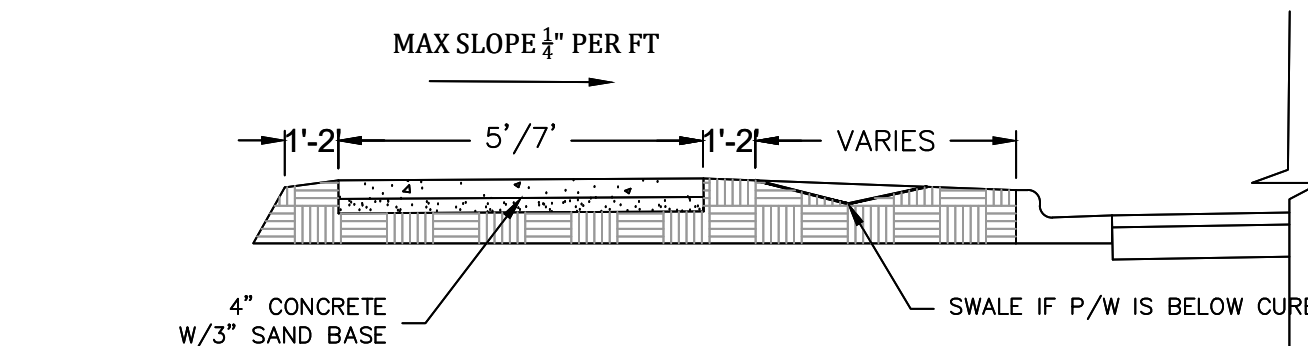
DOME SECTION



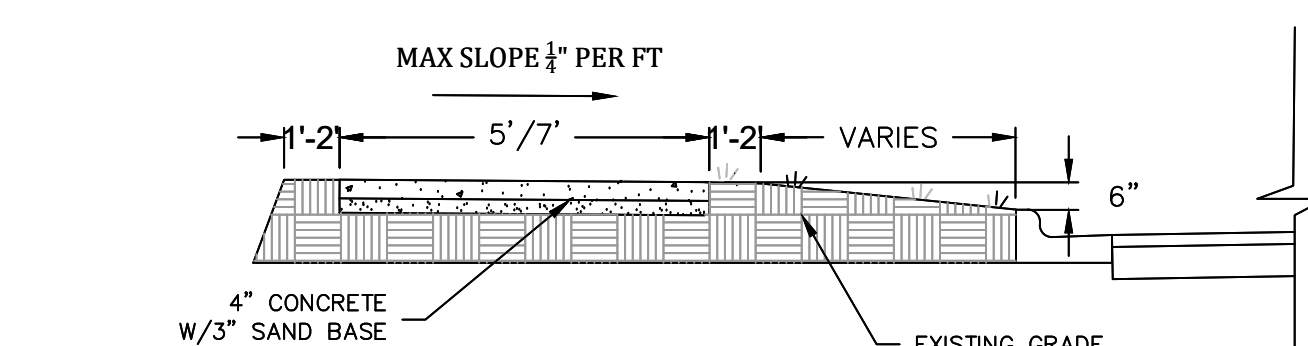
DOME ALIGNMENT



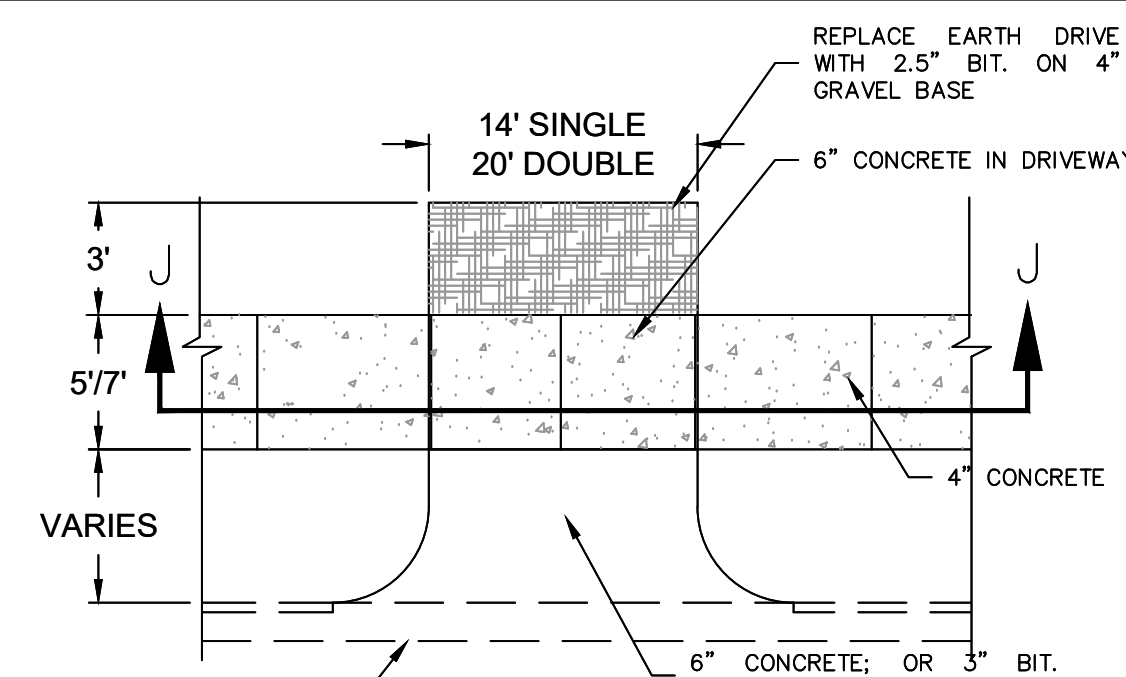
EMBANKMENT & BERM CROSS SECTION



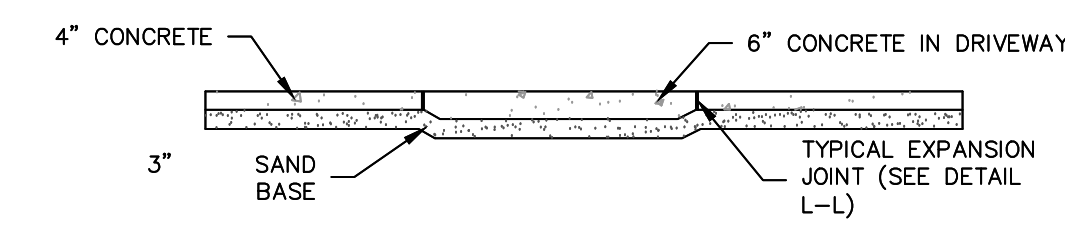
SWALE CROSS SECTION



TYPICAL CROSS SECTION



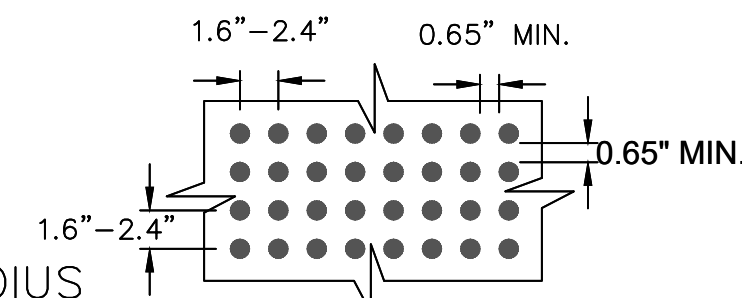
TYP. RESIDENTIAL DRIVEWAY PLAN



CROSS SECTIONS J-J

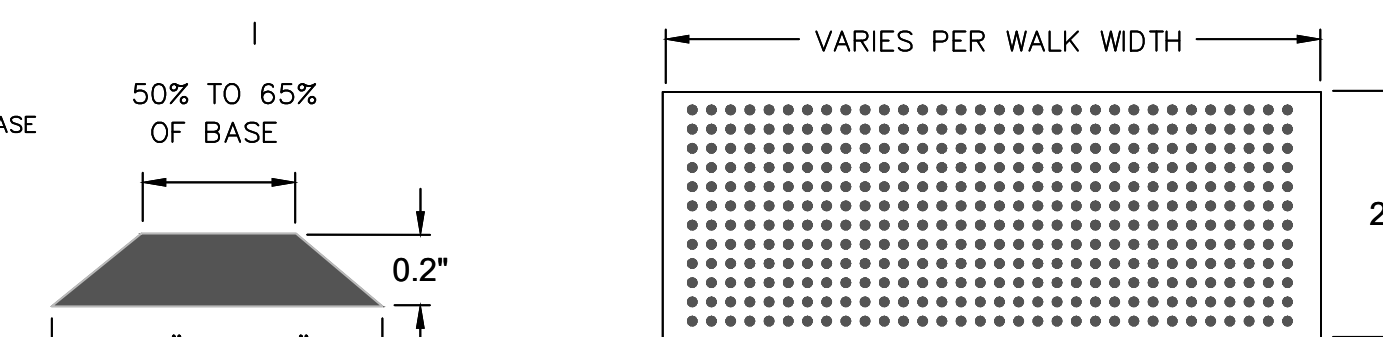
DETECTABLE WARNING DETAILS

E.J.I.W. 7005 DETECTABLE WARNING PLATE  
SIZES AVAILABLE 12", 18" & 24"  
PLATES MUST BE ASPHALTIC COATED



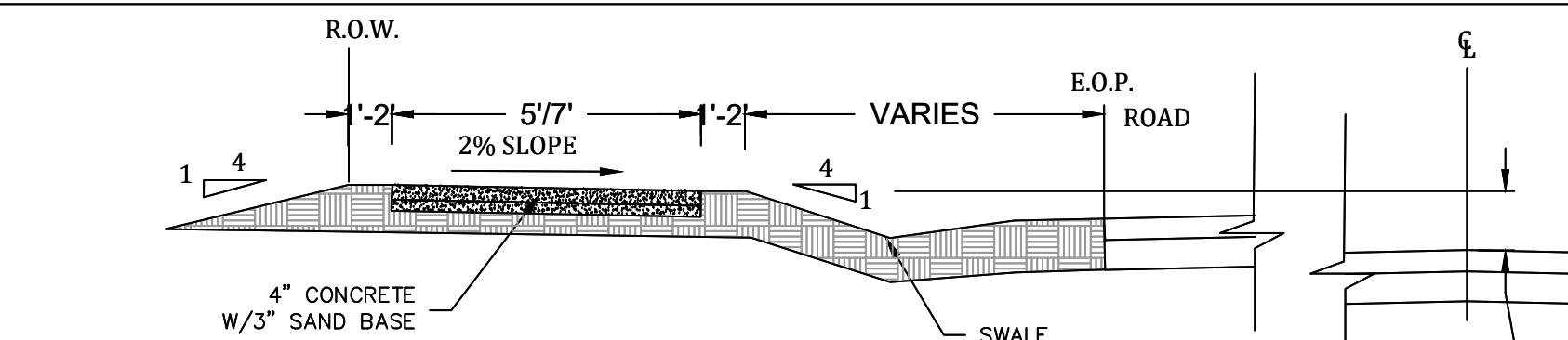
DOME SPACING

RAMP PERPENDICULAR TO TANGENT CURB



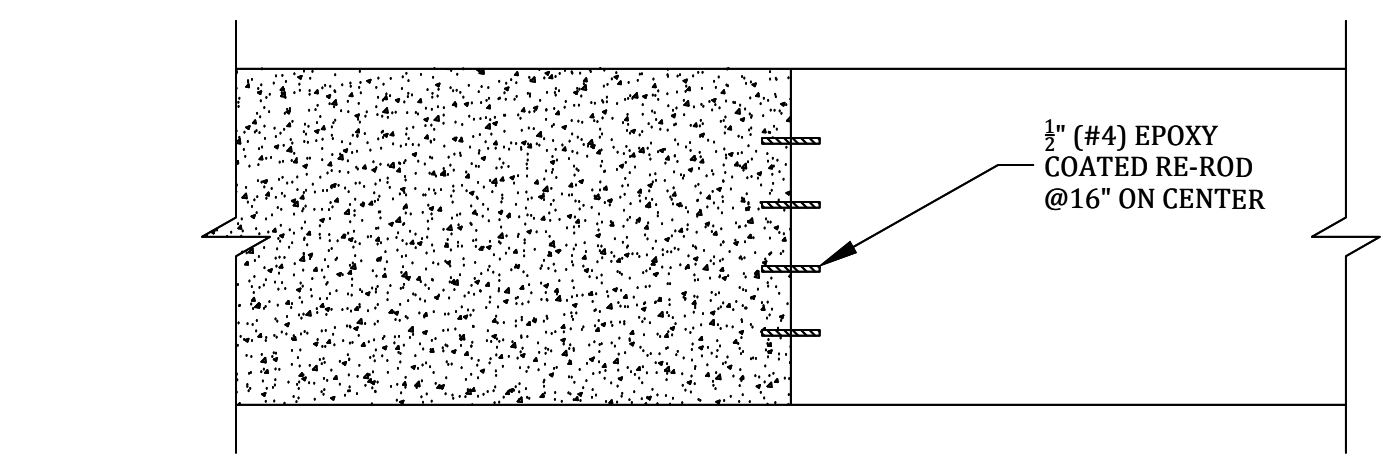
DOME SECTION

DOME ALIGNMENT



TYPICAL SECTION W/O CURB

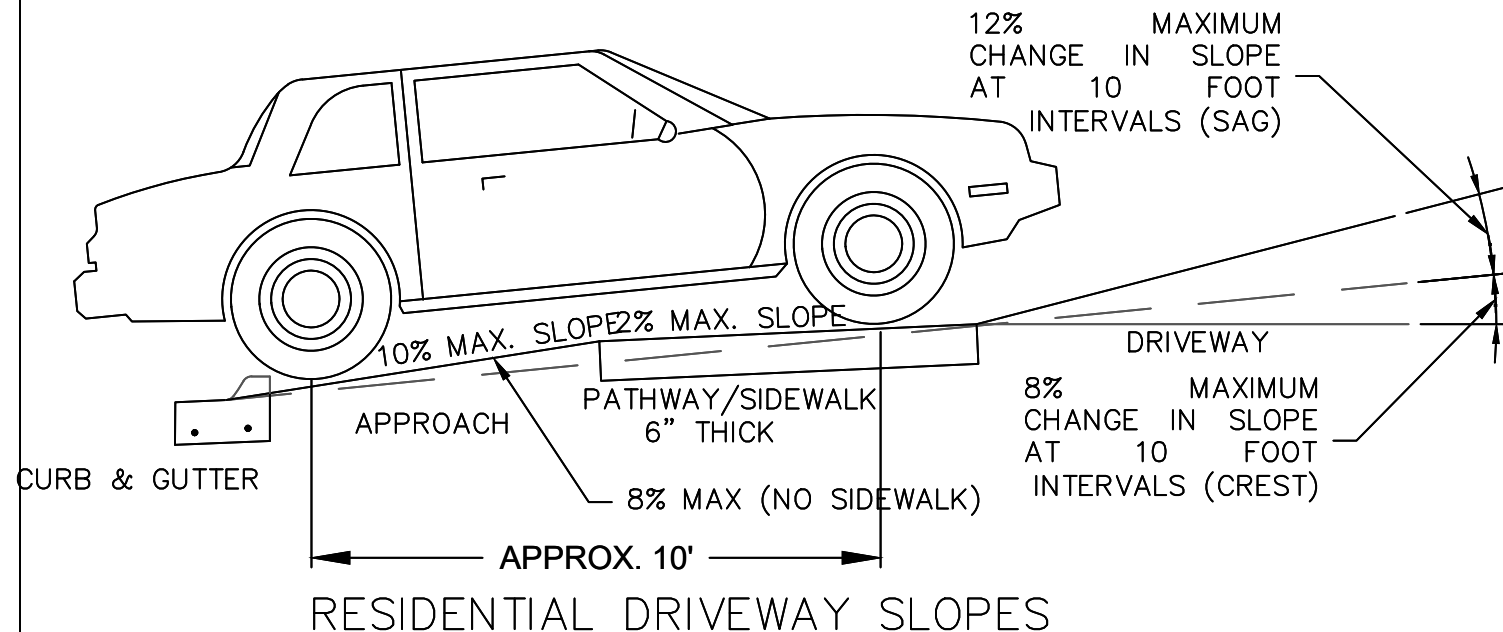
KEEP PATHWAY 1' HIGHER THAN ROAD CENTERLINE



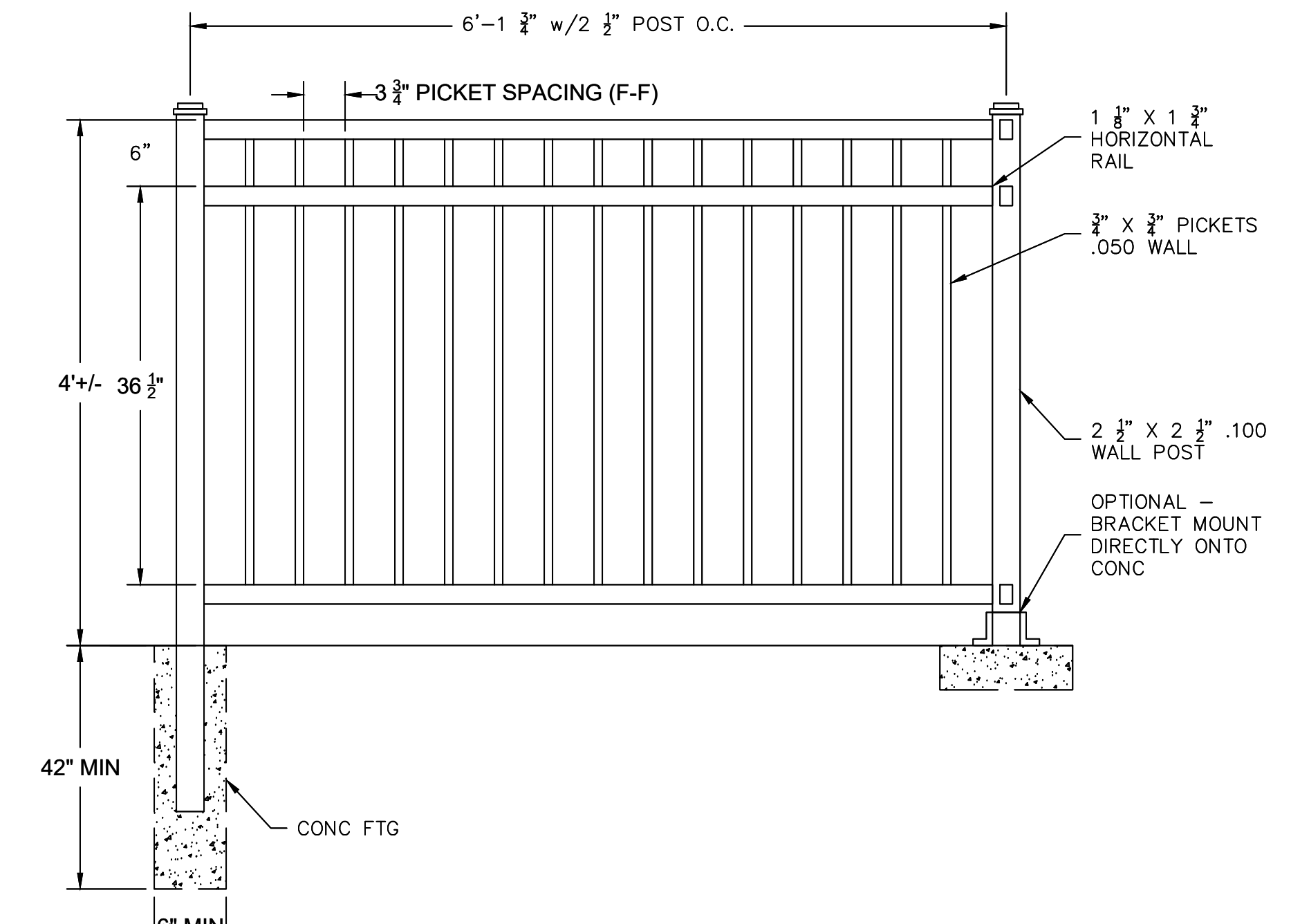
CONCRETE PINNING DETAIL

CROSS SECTION - (NO SCALE)

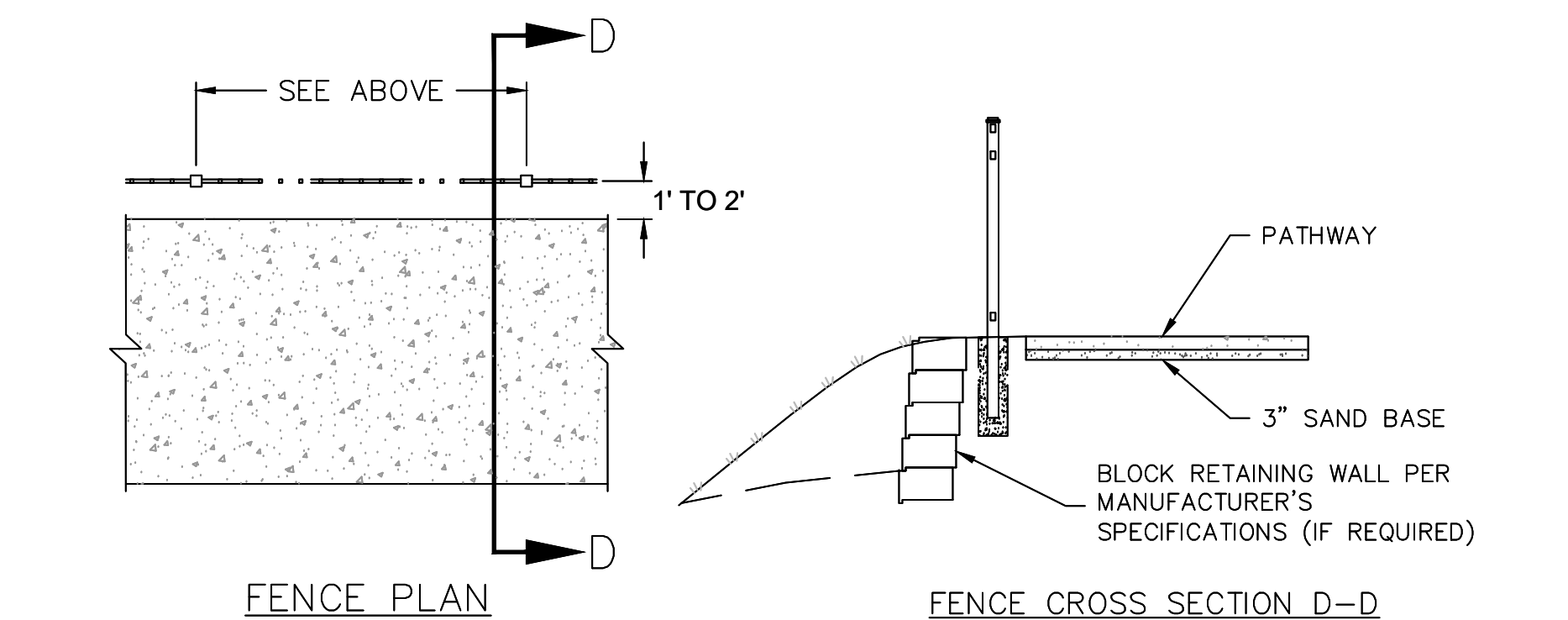
- GENERAL NOTES
1. SIDEWALKS/PATHWAYS SHALL BE 4" THICK CONCRETE EXCEPT AT DRIVEWAYS.
  2. SIDEWALKS/PATHWAYS THRU DRIVES SHALL BE: 6" (RESIDENTIAL); 7" (MULTI-RESIDENTIAL & COMMERCIAL)
  3. 3" OF COMPACTED SAND BASE SHALL BE PLACED UNDER ALL SIDEWALKS/PATHWAYS.
  4. ALL BITUMINOUS APRONS SHALL BE 2 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



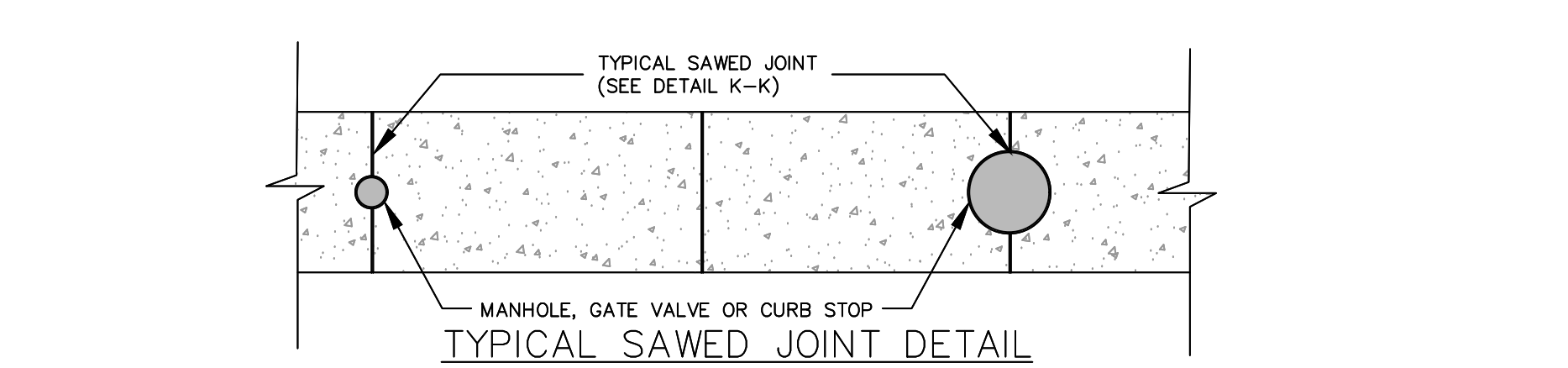
FENCE DETAIL



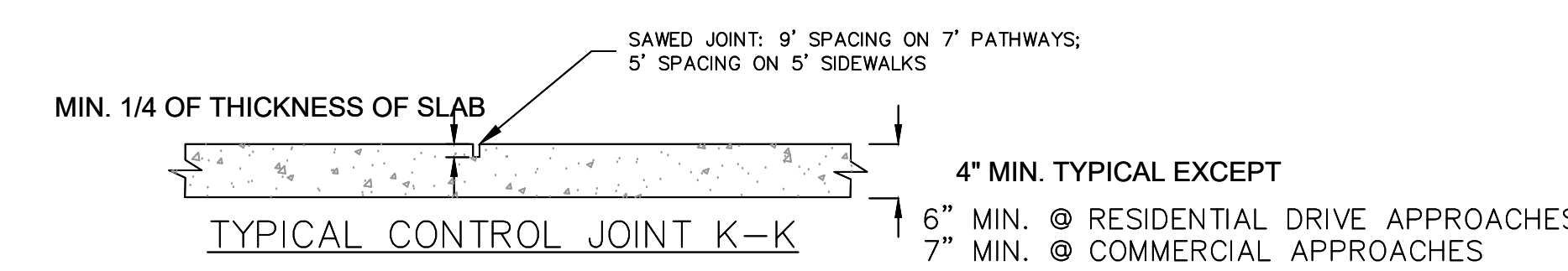
FENCE PLAN

FENCE CROSS SECTION D-D

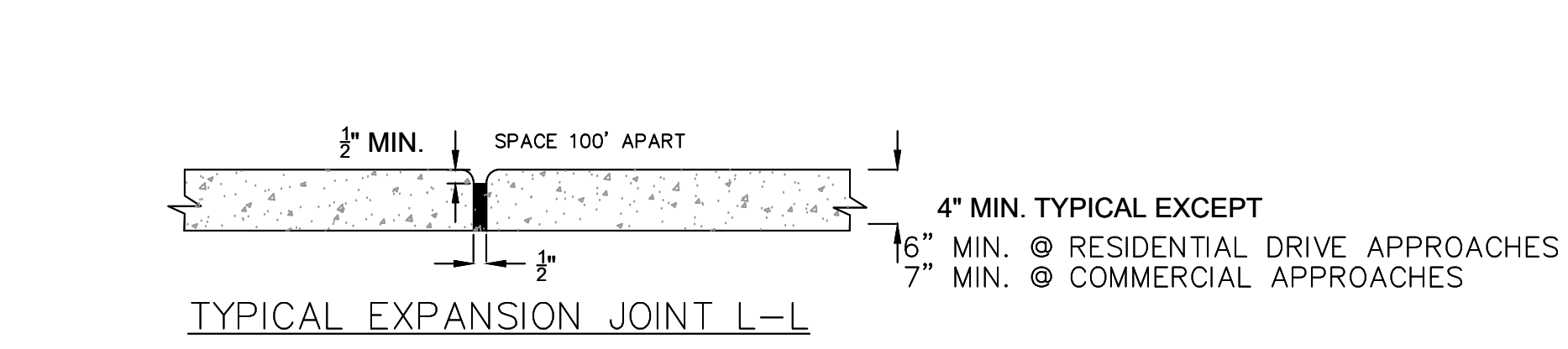
NOTE: FENCE POSTS CAN BE ANCHORED TO THE PATHWAY; THEN PATHWAY MUST BE WIDENED TO EIGHT FEET



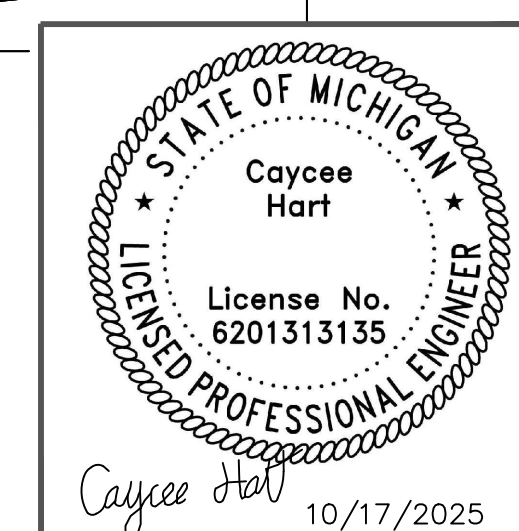
TYPICAL SAWED JOINT DETAIL



TYPICAL CONTROL JOINT K-K



TYPICAL EXPANSION JOINT L-L



Meridian Charter Township  
Ingham County, Michigan  
**PATHWAY**

AMERICAN HOUSE PATHWAY  
1673 HASLETT ROAD  
SE 1/4 SECTION 10, T4N, R1W, MERIDIAN TOWNSHIP,  
INGHAM COUNTY, MICHIGAN

DRAWN BY: CH CHECKED BY: YI

REVISIONS:		
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SHEET:







**LEGEND**

- — — — — PROPERTY LINE
- - - - - 100 YEAR FLOODPLAIN BOUNDARY
- - - - - WETLAND BOUNDARY
- - - - - SOIL BOUNDARY

**SOIL MIXTURE**

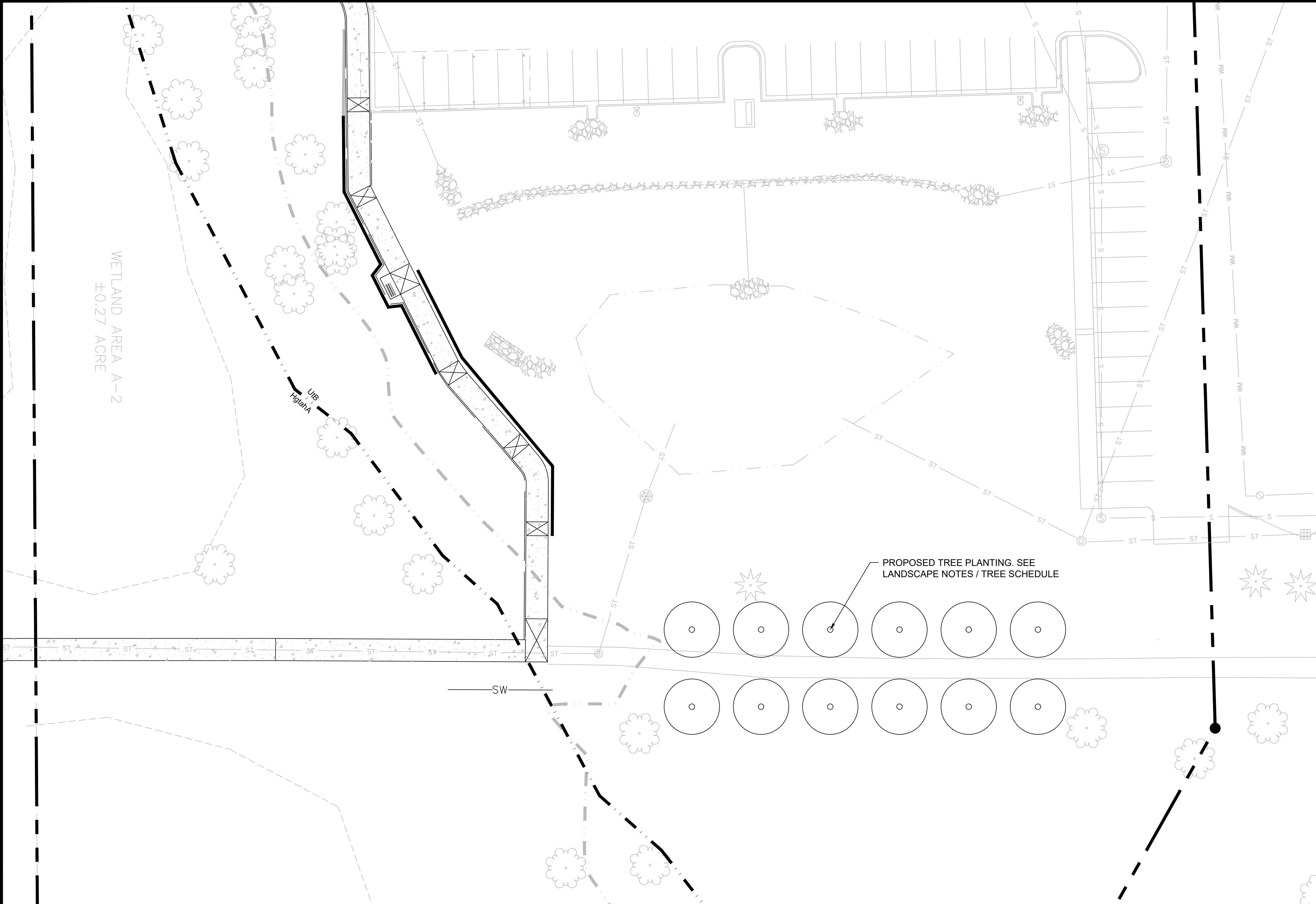
1. SOIL MIXTURE SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW.
  - a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT OPENINGS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANTGROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER.
  - b. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT THE PROJECT LANDSCAPE ENGINEER TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

**PLANTING PROCEDURES**

1. THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, BUILDING MATERIALS, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM PLANTING AREAS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS IN PLANTING AREAS WHICH WILL ADVERSELY AFFECT THE PLANT GROWTH, THE CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE PROJECT ENGINEER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS, WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.
3. TEST ALL TREE OPENINGS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS NOTIFY THE PROJECT ENGINEER.
4. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMEN.
5. PRIOR TO EXCAVATION OF TREE OPENINGS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL.
6. EXCAVATION OF TREE OPENINGS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.
7. IN CONTINUOUS SHRUB AND GROUND COVER BEDS, THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF ONE FOOT BEYOND THE DIAMETER OF A SINGLE ROOT BALL. THE BED SHALL BE TILLED TO A DEPTH EQUAL TO THE ROOT BALL DEPTH PLUS 6".
8. TREE OPENINGS FOR WELL DRAINED SOILS SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL WILL BE FLUSH WITH FINISH GRADE. IN POORLY DRAINED SOILS THE
9. TREE OPENING SHALL BE DUG SO THAT THE ROOT BALL RESTS ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL IS 1" ABOVE FINISH GRADE. PLANT PIT WALLS SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.
10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
11. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE.
12. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

**WATER**

13. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC....IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE TOWNSHIP.



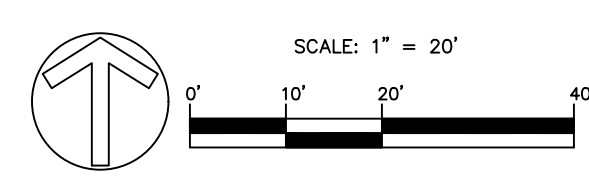
PROPOSED TREE PLANTING. SEE LANDSCAPE NOTES / TREE SCHEDULE

TREE SCHEDULE			
BOTANICAL / COMMON NAME	SIZE	CONTAINER	QUANTITY
PINUS STROBUS / EASTERN WHITE PINE	6-12" MINIMUM	BALL AND BURLAP	12*
PICEA GLACOA / WHITE SPRUCE	6-12" MINIMUM	BALL AND BURLAP	12*

**LANDSCAPE NOTES:**

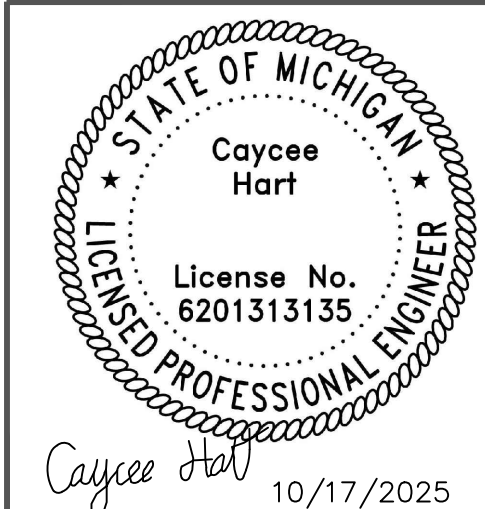
1. \*A TOTAL OF 12 TREES SHALL BE PLANTED ON MERIDIAN TOWNSHIP'S PROPERTY.
2. TWO OPTIONS FOR TREE SPECIES ARE INCLUDED IN THE TREE SCHEDULE. THE CONTRACTOR MAY SELECT ONE OF THE SPECIES TO BE PLANTED BASED BEST AVAILABILITY / PRICE.
3. THE LOCATION OF THE PLANTINGS ARE SHOWN CONCEPTUALLY ON THIS PLAN. THE CONTRACTOR SHOULD MAKE REASONABLE EFFORTS TO PLANT THE TREES A MINIMUM OF 10' FROM OTHER PLANTINGS, EXISTING TREES, AND THE EDGE OF THE PATHWAY.

**SOILS:**  
 HgtahA - Houghton Muck, 0 to 1 percent slopes  
 UIB - Urban Land-Marlette Complex, 2 to 12 percent slopes



**Call 811 before you dig.**

WOLVERINE PIPE LINE COMPANY 219-844-9510



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 Ingham County, Michigan

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SHEET: 21 - LANDSCAPE PLAN

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