

SURVEYOR'S NOTES:

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SEWER INVENTORIES

CATCH BASIN #100
RIM - 1137.14
6" NW - 1134.38
12" EAST - 1133.99

CATCH BASIN #101
RIM - 1137.08
12" WEST - 1133.73
12" NE - 1133.73

STORM MANHOLE #102
RIM - 1137.65
24" NORTH - 1132.45
36" EAST - 1130.53
12" SW - 1133.65
18" NW - 1130.53

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12" EAST - 1145.32

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RIM - 1145.11
18" SE - 1133.40
18" NORTH - 1138.52

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RIM - 1137.82
8" NORTH - 1130.67
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RIM - 1143.90
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8" EAST - 1131.79
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SANITARY MANHOLE #202
RIM - 1152.89
8" NORTH - 1132.68
8" SOUTH - 1132.68

EX. LEGEND

- = SET 1/2" BAR WITH CAP
- = FOUND IRON AS NOTED
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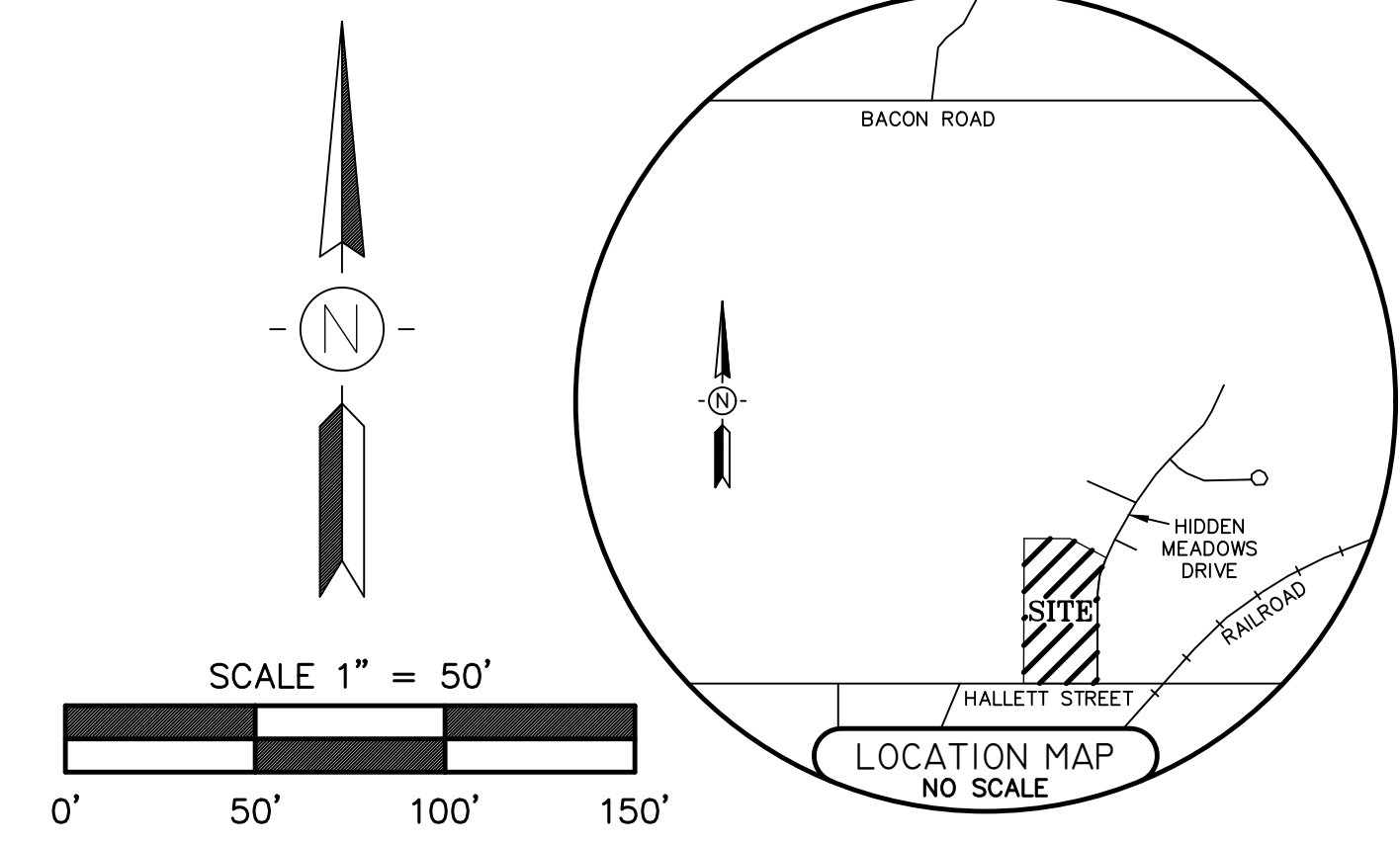
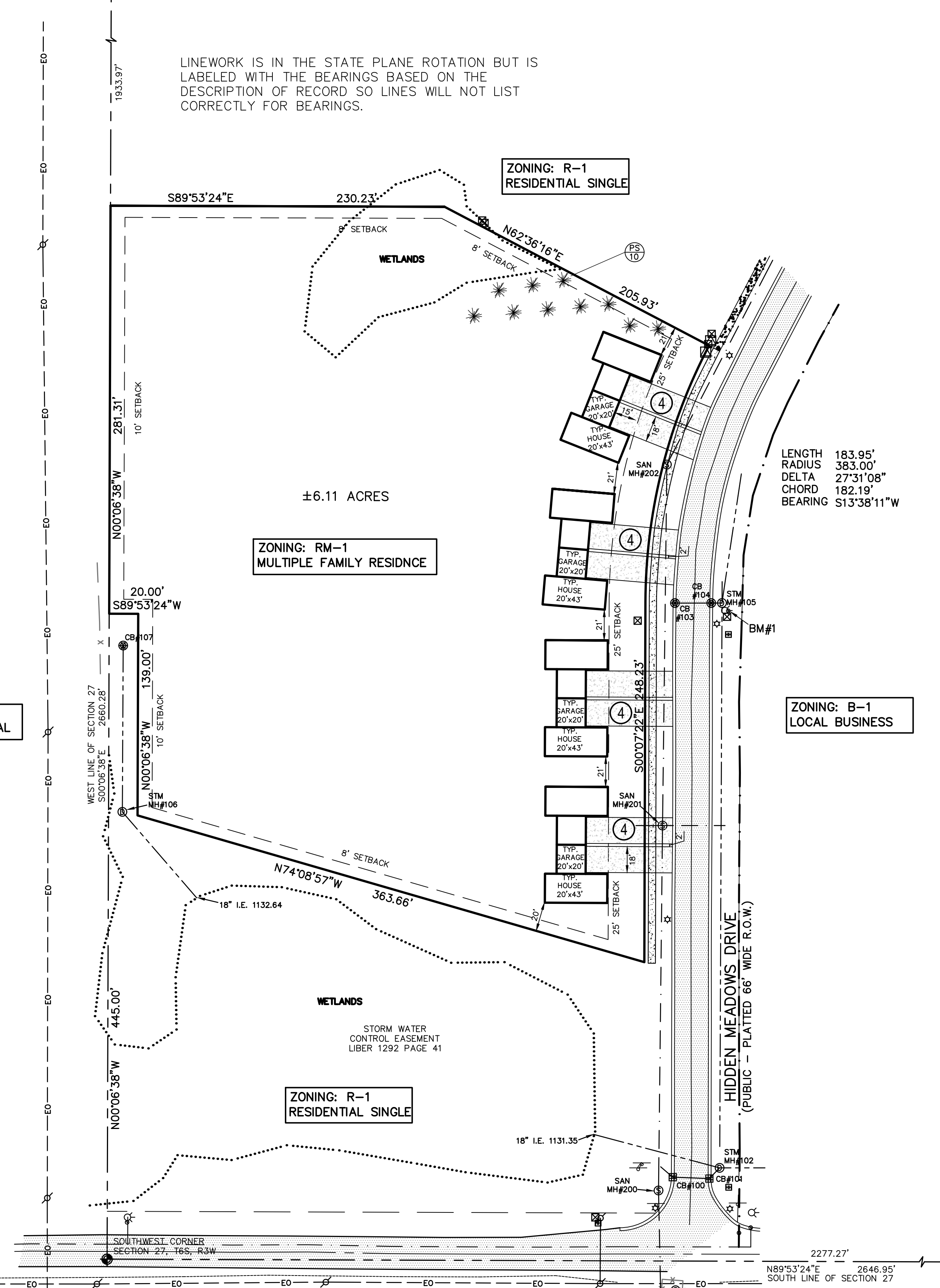
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- = DENOTES S.E.S.C. KEYING SYSTEM

PLANT LIST SCHEDULE					
QUANT.	SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
10	PS	EASTERN WHITE PINE	PINUS STROBUS	8' HT.	B & B

HIDDEN MEADOWS

CITY OF HILLSDALE, HILLSDALE COUNTY, MICHIGAN

LINEWORK IS IN THE STATE PLANE ROTATION BUT IS LABELED WITH THE BEARINGS BASED ON THE DESCRIPTION OF RECORD SO LINES WILL NOT LIST CORRECTLY FOR BEARINGS.



LEGAL DESCRIPTION:

Commencing at the Southwest corner of Section 27, Town 6 South, Range 3 West, City of Hillsdale, Hillsdale County, Michigan; thence North 00°06'38" West, along the West line of said Section 27, a distance of 445.00 feet to the Point of Beginning; thence North 00°06'38" West, continuing along said West line 281.31 feet; thence North 89°53'24" East, parallel with the South line of said Section 27, a distance of 230.23 feet; thence South 62°36'16" East, along the Southerly lines of Lot 1 and 2 of Three Meadows No. 1, according to the recorded plat thereof, as recorded in Liber 11 of Plats, Page 5, Hillsdale County Records, a distance of 205.93 feet (179.07 feet per record plat) to the Southeast corner of Lot 1 of said Three Meadows No. 1; thence Southwesterly along the Westerly line of Hidden Meadows Drive of said Three Meadows No. 1 on a curve to the left 183.95 feet (Radius 383 feet, Central Angle 27°31'08", Chord Bearing South 13°38'11" West 182.19 feet); thence South 00°07'22" East, continuing along said Westerly line, 248.23 feet; thence North 74°08'57" West, 363.66 feet; thence North 00°06'38" West 139.00 feet; thence South 89°53'24" West, parallel with said South section line, 20.00 feet to the Point of Beginning.

BENCHMARKS:

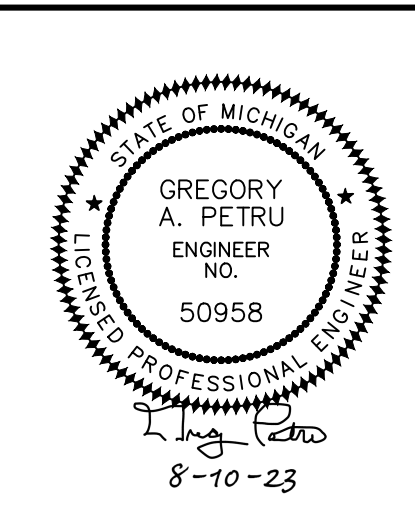
- BM#1 - ELEVATION 1150.61 (N.A.V.D.88)
NORTHEAST FLANGE BOLT ON FIRE HYDRANT ON EAST SIDE OF HIDDEN MEADOWS DRIVE, 450± NORTH OF HALLETT STREET
- BM#2 - ELEVATION 1139.53 (N.A.V.D.88)
NORTHEAST CORNER OF STEEL DOOR ON LIFT STATION ON SOUTH SIDE OF HALLETT STREET NEAR SOUTHEAST CORNER OF PROPERTY

SITE DATA

4 PROPOSED DUPLEXES WITH ADDITION OF PRIVATE DRIVE
ZONING: RM-1 MULTIPLE-FAMILY RESIDENCE
ADJ. ZONING: B-1 (LOCAL BUSINESS) TO EAST
AR (AGRICULTURAL RESIDENTIAL) - TO WEST
R-1 (RESIDENTIAL SINGLE) - TO NORTH AND SOUTH
BUILDING SETBACKS
FRONT - 25 FEET
SIDES - 8 FEET
REAR - 10 FEET
PARKING
2 REQUIRED SPACES PER UNIT
4 DUPLEXES = 8 UNITS
8 UNITS X 2 SPACES = 16 SPACES
TOTAL PROVIDED: 16 SPACES
UTILITIES
(EASEMENTS TO BE PROVIDED)
WATER:
CITY PUBLIC WATER MAIN
SANITARY:
CITY PUBLIC SANITARY
STORM:
CITY STORM SEWER
LOT COVERAGE (ALL IMPERVIOUS AREA)
TOTAL AREA: ±167,968
LOT COVERAGE = ±16,416 SF IMPERVIOUS / 167,968 SF
TOTAL IMPERVIOUS = ±9.8%

APPLICANT/OWNER:
ALLEN EDWIN HOMES
795 CLYDE CT, SW
BYRON CENTER, MI 49315
PH: (616) 325-0648

ENGINEER/SURVEYOR:
KEBS, INC.
2116 HASLETT RD.
HASLETT, MI 48840
PH: (517) 339-1014



REVISIONS		
7-17-23	PRELIMINARY SITE PLAN	
8-10-23	SITE PLAN SUBMITTAL	

KEBS, INC. KYES ENGINEERING
BRYAN LAND SURVEYS
2116 HASLETT ROAD, HASLETT, MI 48840
PH. 517-339-1014 FAX. 517-339-8047
Marshall Office
Ph. 269-781-9800

Hidden Meadows Development
SITE, DIMENSIONING, AND LANDSCAPE PLAN

SCALE: 1" = 50'	DESIGNER: G.A.P.	APPROVED BY: G.A.P.
DATE: 7/17/23	PROJECT MGR: G.A.P.	SHEET 1 OF 4
AUTHORIZED BY: CHRIS KOHANE		JOB #: E-101300



SHEET INDEX	
1.	SITE, DIMENSIONING, AND LANDSCAPE PLAN
2.	UTILITY PLAN
3.	GRADING PLAN/SECC
4.	DETAILS

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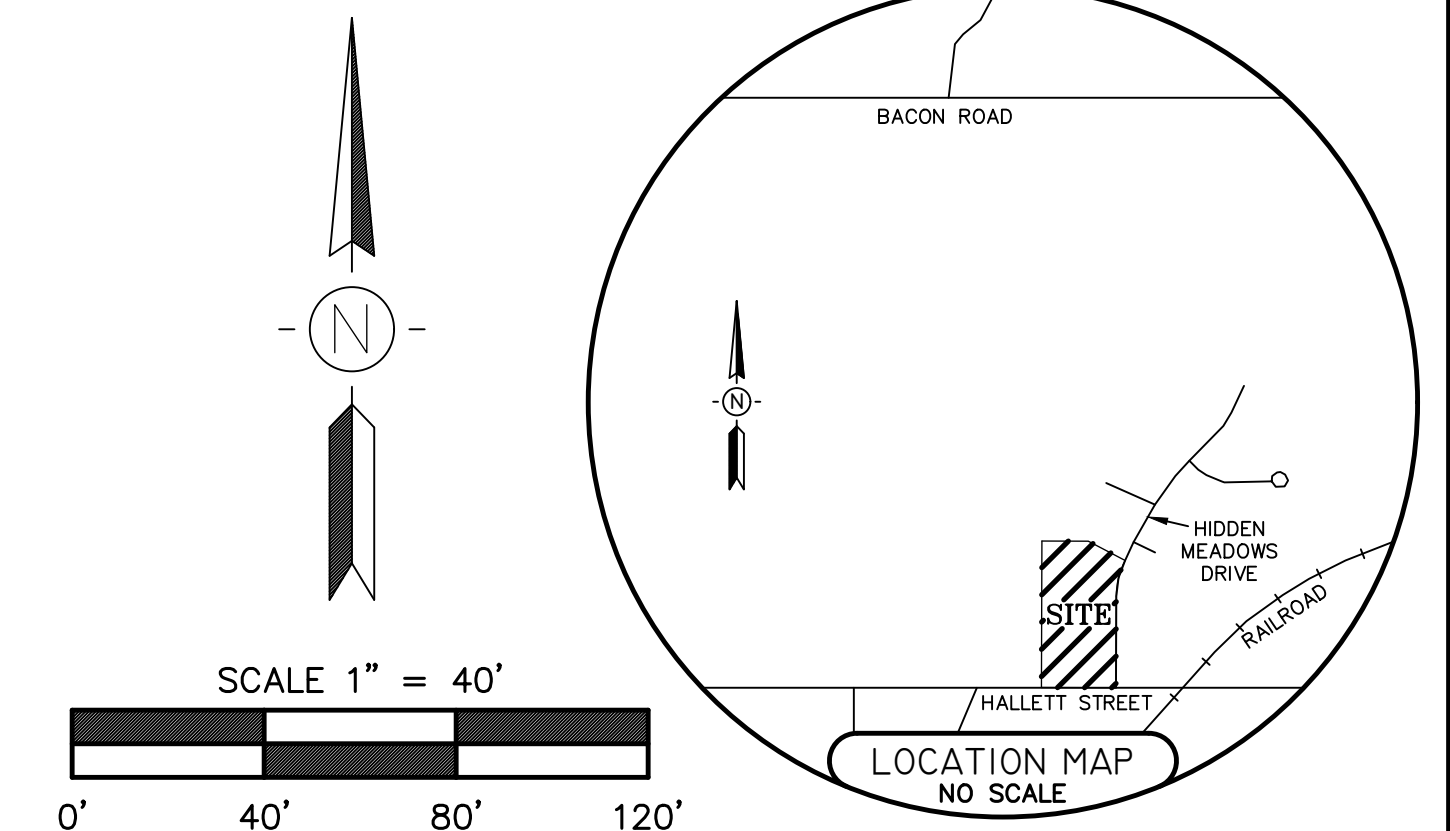
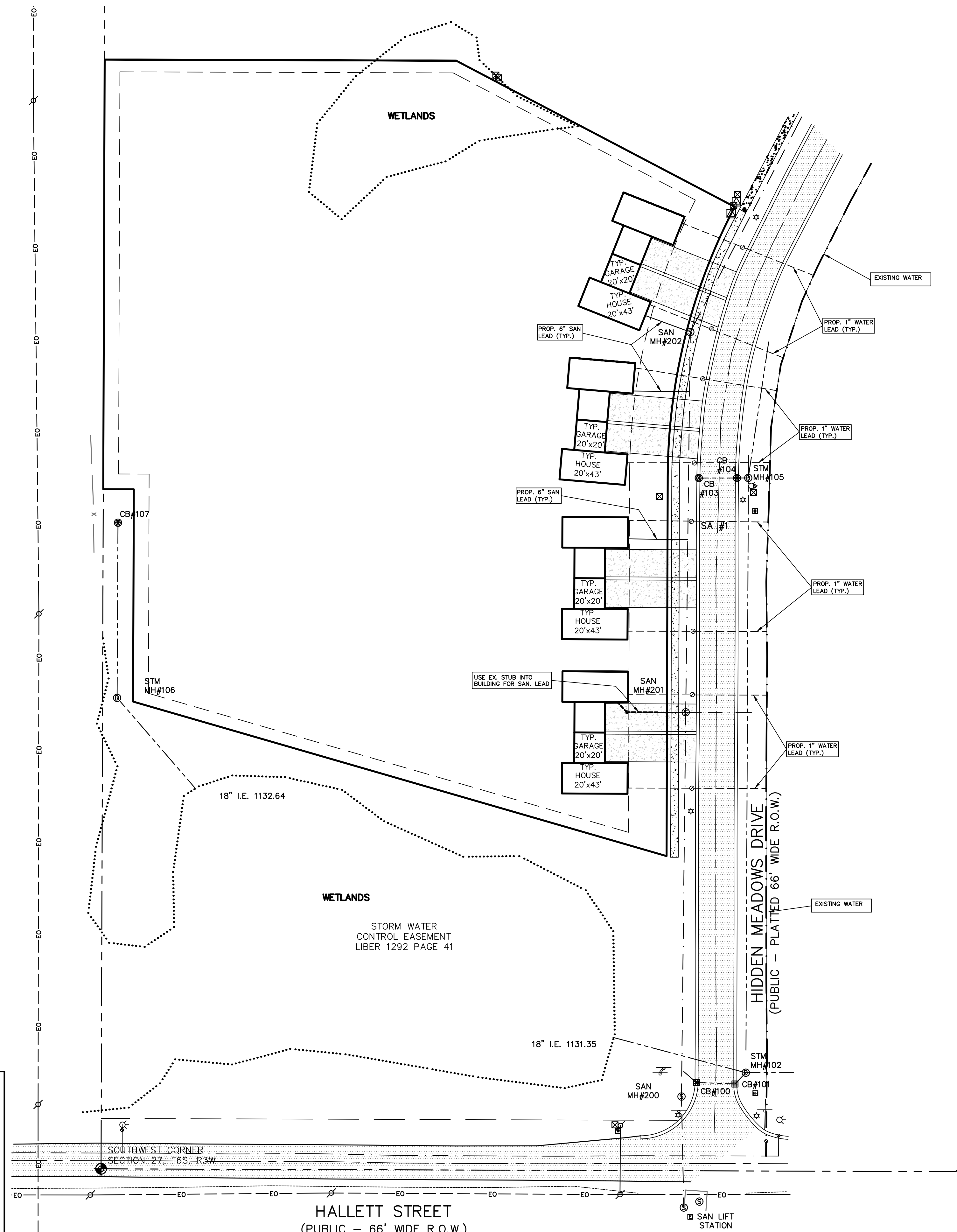
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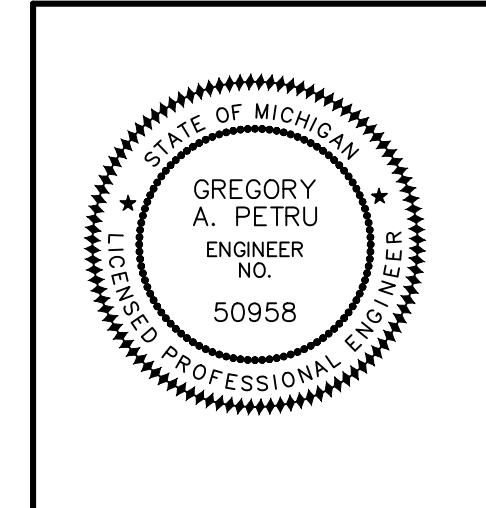
HIDDEN MEADOWS

CITY OF HILLSDALE, HILLSDALE COUNTY, MICHIGAN



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Hidden Meadows Development UTILITY PLAN		APPROVED BY: GREGORY A. PETRU ENGINEER NO. 50958	
SCALE: 1" = 40' DATE: 7/17/23 AUTHORIZED BY: CHRIS KOHANE	DESIGNER: GREGORY A. PETRU PROJECT MGR. CHRIS KOHANE	APPROVED BY: GREGORY A. PETRU SHEET 2 OF 4 JOB #: E-101300	

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CONSTRUCTION SCHEDULE & SEQUENCING:	2023												2024											
	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY
PLACE AND MAINTAIN TEMPORARY EROSION CONTROLS																								
TOPSOIL STRIPPING & STOCKPILING																								
ON-SITE UTILITIES CONSTRUCTION																								
SITE GRADING & EARTHWORK																								
ROAD CONSTRUCTION																								
TOPSOIL SPREADING																								
PERMANENT SEEDING																								
FINAL INSPECTIONS & REMOVE TEMPORARY EROSION CONTROLS																								

SOIL TYPE:
 10B - Hillsdale-Riddles complex, 2-6% slopes
 50B - Coloma sand, 0-2% slopes
 51 - Glendora mucky loamy sand, frequently flooded

STREET SWEEPING NOTES:
 HALLETT STREET AND HIDDEN MEADOWS DRIVE SHALL BE KEPT CLEAN AND FREE OF TRACKED SEDIMENT. A STREET SWEEPER OR A BOBCAT WITH A BROOM ATTACHMENT SHOULD BE KEPT ON SITE TO DEAL WITH ANY OFF-SITE TRACKING AS IT OCCURS.

TOTAL ACRES = ±6.11 ACRES
 AREA DISTURBED = ±1.90 ACRES

DENOTES EXISTING DRAINAGE FLOW →

DENOTES PROPOSED DRAINAGE FLOW →

SILT FENCE (TYP.)

LIMITS OF EARTH DISTURBANCE (TYP.)

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET

S-E-S-C KEYING SYSTEM

KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
EB	PERMANENT SEEDING		Stabilization method utilized on sites where earth change has been completed (final grading attained).
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.

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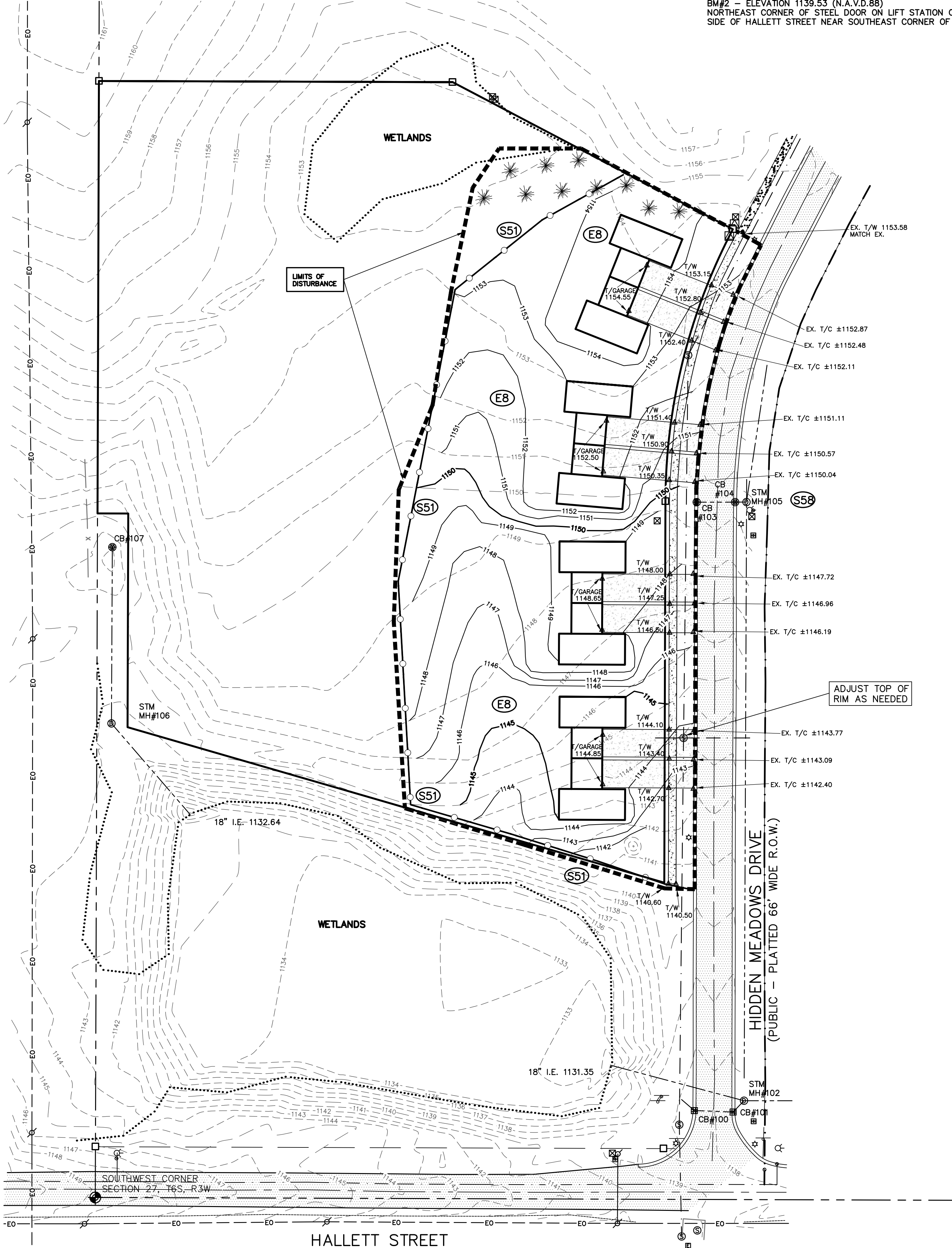
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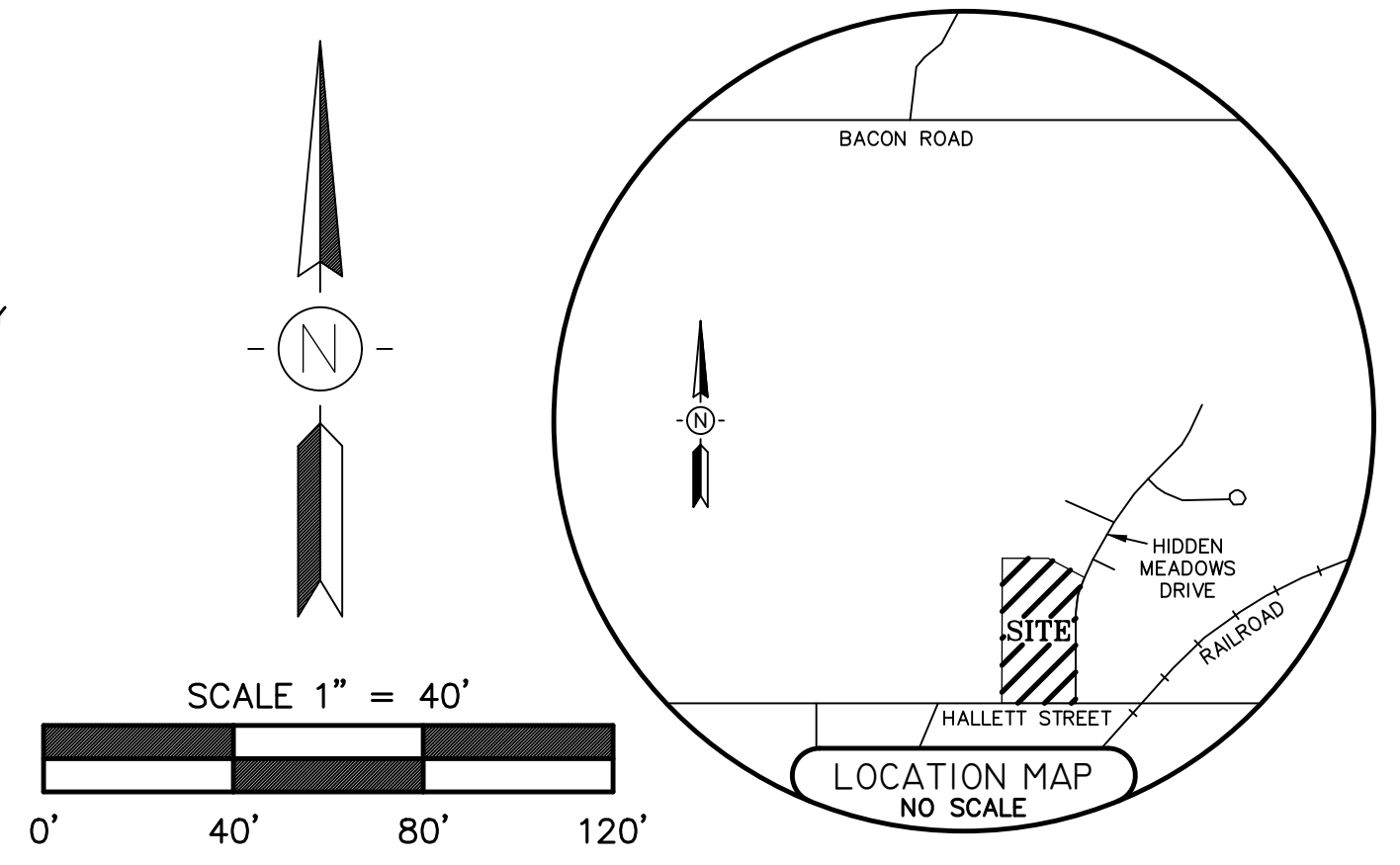
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- SEQUENCE OF CONSTRUCTION**
- INSTALL ALL TEMPORARY SILT FENCE PER PLAN AND AS SHOWN ON THE DETAIL SHEET.
 - CONSTRUCT THE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT PER DETAIL.
 - INSTALL ALL INLET PROTECTION FABRIC DROP IN ALL EXISTING YARD BASINS OR INLETS WHICH MAY BE SUSCEPTIBLE TO SEDIMENT EROSION FROM THE PROPOSED CONSTRUCTION AS SHOWN IN THESE PLANS.
 - WHILE MAINTAINING A VEGETATIVE BUFFER WHENEVER POSSIBLE STRIP AND STOCKPILE TOPSOIL ABOVE AREAS OF PROPOSED EXCAVATION OR GRADING FOR LATER USE ON SITE PLACE STOCKPILED TOPSOIL IN AREAS WHICH ARE NEITHER SUBJECT TO HIGH RUNOFF NOR ALONG STEEP SLOPES SEED AND MULCH STOCKPILES IMMEDIATELY TO PREVENT WIND-BLOWN SEDIMENT POLLUTION AND EXCESSIVE DUST.
 - EXCAVATE FOR PROPOSED ROAD AND UTILITY CONSTRUCTION AS NECESSARY. DO NOT EXPOSE AREAS FAR IN ADVANCE OF THE PROPOSED CONSTRUCTION FOR THAT AREA. ROUGHEN AND SCABBY EXPOSED SURFACES TO REDUCE RUNOFF VELOCITY AND SEDIMENTATION. MAINTAIN VEGETATION WHENEVER POSSIBLE TO PROVIDE A NATURAL BUFFER.
 - AFTER COMPLETION OF THE PROPOSED UTILITIES, INSTALL INLET PROTECTION FABRIC DROPS IN, IN ALL INLETS. PLACE INLET PROTECTION FENCE AROUND ALL INLETS.
 - INSTALL TEMPORARY STONE FILTER BERMS PERPENDICULAR TO EXPOSED STEEP SLOPES AS NECESSARY ALONG THE PROPOSED STREETS TO REDUCE RUNOFF VELOCITY AND SEDIMENTATION. USE TEMPORARY STRAW BALE CHECK DAMS TO SLOW DOWN AND/OR DIVERT HEAVY RUNOFF WHERE NECESSARY.
 - TOPSOIL, SEED, FERTILIZE AND MULCH ALL EXPOSED AREAS AS SOON AS FEASIBLE TO PROTECT AND RESTORE PERMANENT VEGETATION.
 - WATER EXPOSED GROUND REGULARLY TO CONTROL AIRBORNE PARTICULATE MATTER.
 - THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS AND UNTIL PERMANENT VEGETATION IS REESTABLISHED IN ALL EXPOSED AREAS. REMOVE ACCUMULATED SEDIMENT FROM ALL STRUCTURES.
 - THE SITE WILL BE PERIODICALLY INSPECTED BY THE HILLSDALE COUNTY DRAIN OFFICE AND/OR THE CITY OF HILLSDALE. CONTRACTOR SHALL BECOME FAMILIAR WITH THE RULES AND REGULATIONS OF THOSE AGENCIES.
 - UPON FINAL APPROVED INSPECTION OF THE COMPLETED CONSTRUCTION BY ALL REVIEWING AGENCIES, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
- SOIL EROSION CONTROL NOTES:**
- ALL SOIL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE HILLSDALE COUNTY DRAIN COMMISSION AND THE CITY AND PROJECT SPECIFICATIONS.
 - DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES, AND ANY NECESSARY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
 - ANY EROSION OR SEDIMENT FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, IN WATERWAYS; WATERWAYS INCLUDE BOTH NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
 - CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED AND AS DIRECTED ON THESE PLANS. HE SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES AND OTHER EARTH CHANGES HAVE BEEN ESTABLISHED.
 - A MINIMUM 50' LONG BY 20' WIDE, 6" DEEP CLEAN STONE EXIT SHALL BE PROVIDED AT ALL CONSTRUCTION ENTRANCES. SHOULD THE STONE BECOME LESS EFFICIENT IT SHALL BE REPLACED. ALL CONSTRUCTION TRAFFIC WILL USE THE CLEAN STONE EXITS.
 - DUST CONTROL WILL BE EXERCISED AT ALL TIMES WITHIN THE PROJECT BY THE CONTRACTOR. SPRINKLING TANK TRUCKS SHALL BE AVAILABLE AT ALL TIMES TO BE USED ON HAUL ROUTES OR OTHER PLACES WHERE DUST BECOMES A PROBLEM.

REVISIONS

7-17-23 PRELIMINARY SITE PLAN

8-10-23 SITE PLAN SUBMITAL

KEBS, INC. KYES ENGINEERING BRYAN LAND SURVEYS

2116 HASLETT ROAD, HASLETT, MI 48840
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Hidden Meadows
 GRADING AND SEWC

SCALE: 1" = 40'

DATE: 7/17/23

AUTHORIZED BY: CHRIS KOHANE

DESIGNER: GAP

PROJECT MGR. GAP

APPROVED BY: GAP

SHEET 3 OF 4

JOB # E-101300

STATE OF MICHIGAN
 GREGORY A. PETRU
 ENGINEER NO. 50958
 LICENSED PROFESSIONAL ENGINEER

(E8) 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 SECC 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.



(E8) 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.

PERMANENT SEEDING SPECIFICATION
SEED ALL DISTURBED AREAS WITH THE FOLLOWING SEED MIXTURE OR APPROVED EQUAL. MICHIGAN GREEN - 15% BLUEGRASS, 40% FESCUE, 45% RYEGRASS. APPLY AT A RATE OF 5 LBS./1000 SF.

-APPLY SILT STOP OR APPROVED TACKIFIER TO SEED MIX.



(E8) PERMANENT SEEDING

Planting Zones	Lower Peninsula (South of 120N) Zone 1	Lower Peninsula (North of 120N) 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 MDT Interim 2003 Standard Specifications for Construction

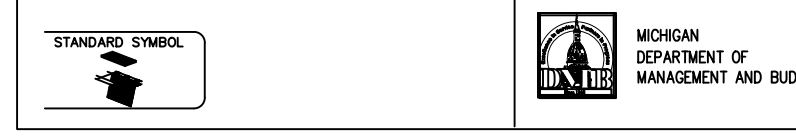
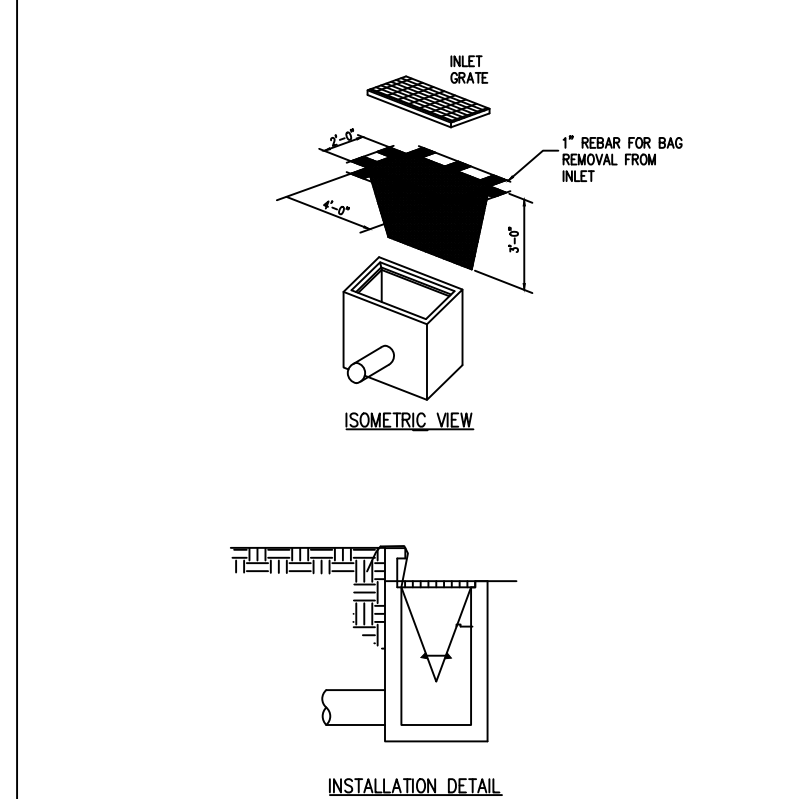
	Zone 1 Lower Peninsula (South of U.S. 10)	Zone 2 Lower Peninsula (North of U.S. 10)	Zone 3 Upper Peninsula
Seeding Dates (with Irrigation or Mulch)	4/1 - 8/1	5/1 - 9/20	5/1 - 8/10
Seeding Dates (w/o Irrigation or Mulch)	4/1 - 5/20 8/10 - 10/1	5/1 - 6/10 8/1 - 9/20	5/1 - 6/15 8/1 - 9/20
Dormant Seeding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

* 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.



(S58) INLET PROTECTION - FABRIC DROP



(S58) 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.



LANDSCAPE NOTES

- INSTALL 3" X 12 GA. EDGING TO SEPARATE LAWN FROM PLANTING BED. (AROUND SHRUBS ONLY)
- INSTALL 3" DEEP SHREDDED BARK MULCH TO ALL PLANTING AREAS/BEDS AND TREE SAUCERS (NO POLY-FILM).
- INSTALL A GRASS NATIVE TO THE MIDWEST (SUN/SHADE VARIETY). PROVIDE SOD OR SEED, APPLY AT A RATE OF 2-3 LBS. PER 1,000 SF. (HYDROSEEDING IS THE RECOMMENDED APPLICATION FOR SEED)
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES, AS WELL AS THE LOCATION OF EXISTING TREES AND VEGETATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST INCURRED DUE TO DAMAGE/REMOVAL OF SAID ELEMENTS.
- ANY DISCREPANCIES BETWEEN PLANS, NOTES, DETAILS AND EXISTING CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE FOR REVIEW AND DECISION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING MATERIALS/IMPROVEMENTS, DAMAGED DURING CONSTRUCTION.
- SITE BOUNDARY, TOPOGRAPHY, UTILITIES AND OTHER BASE INFORMATION PROVIDED BY OTHERS.
- CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON PLANT SCHEDULES AND THOSE INDICATED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF QUANTITIES DRAWN.
- CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO PLANT MATERIAL LOCATIONS IN FIELD, AS NECESSARY. THE LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- ALL PLANT MATERIAL SHALL BE OF THE SIZES CALLED FOR IN THE PLANT SCHEDULES. ANY PLANT MATERIAL NOT MEETING THE SIZED AND/OR QUALITY AS CALLED FOR SHALL BE REMOVED FROM SITE. ALL TREES SHALL BE INSPECTED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITHOUT APPROVAL FROM THE OWNER'S AUTHORIZED REPRESENTATIVE.
- ALL PROPOSED TREES OVER 2" CAL. SHALL BE CUYED/STAKED SECURE. SEE EVERGREEN TREE PLANTING/CUYING DETAIL, OR DECIDUOUS TREES PLANTING/STAKING DETAIL WHERE APPLICABLE.
- ALL PLANTING BEDS TO BE TREATED WITH PRE-EMERGENT HERBICIDE. CONTRACTOR SHALL INSURE THAT PROPOSED PLANT MATERIAL IS RESISTANT TO THE HERBICIDE PROPERTIES AND THAT HERBICIDE APPLICATION FOLLOWS THE MANUFACTURER'S SPECIFICATIONS AND IS APPLIED IN ACCORDANCE WITH SOUND HORTICULTURAL PRACTICES.
- CONTRACTOR SHALL DETERMINE APPROPRIATE PLANTING BACKFILL MIXES (BASED ON SOIL/SUBSURFACE CONDITIONS) AND REVIEW ALTERNATIVES WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.

(S51) 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.



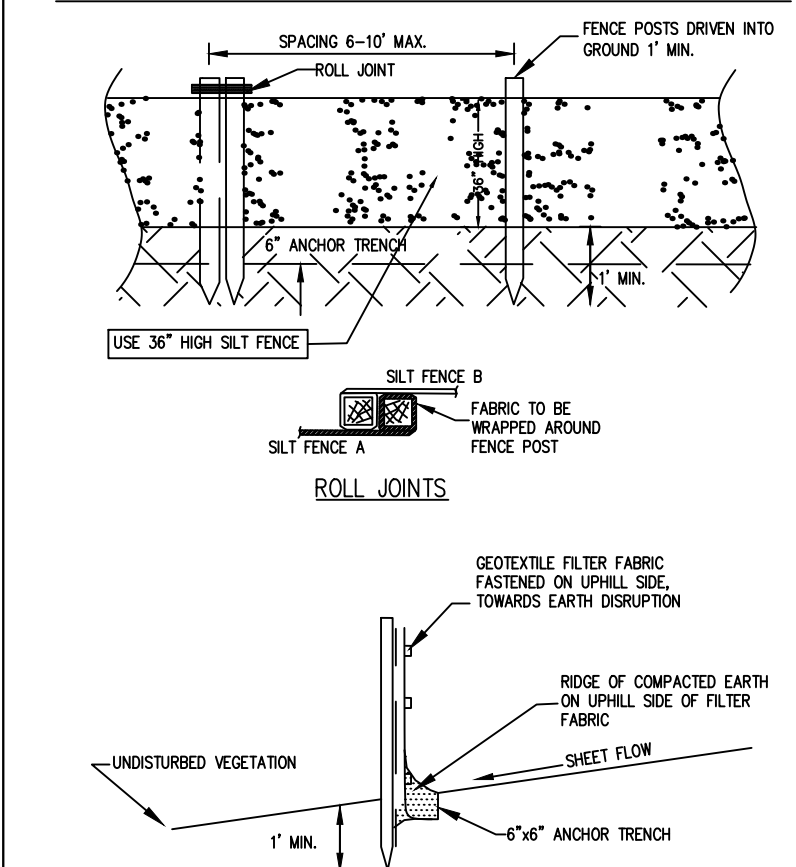
(S51) SILT FENCE SPECIFICATIONS

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.



(S51) SILT FENCE



	REVISIONS 7-17-23 PRELIMINARY SITE PLAN 8-10-23 SITE PLAN SUBMITTAL	KEBS, INC. KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-339-1014 FAX. 517-339-8047 Marshall Office Ph. 269-781-9800
	Hidden Meadows Development DETAILS	
SCALE: 1" = 50' DATE: 7/17/23 AUTHORIZED BY: CHRIS KOHANE	DESIGNER: GAP PROJECT MGR. GAP	APPROVED BY: GAP SHEET 4 OF 4 JOB #: E-101300