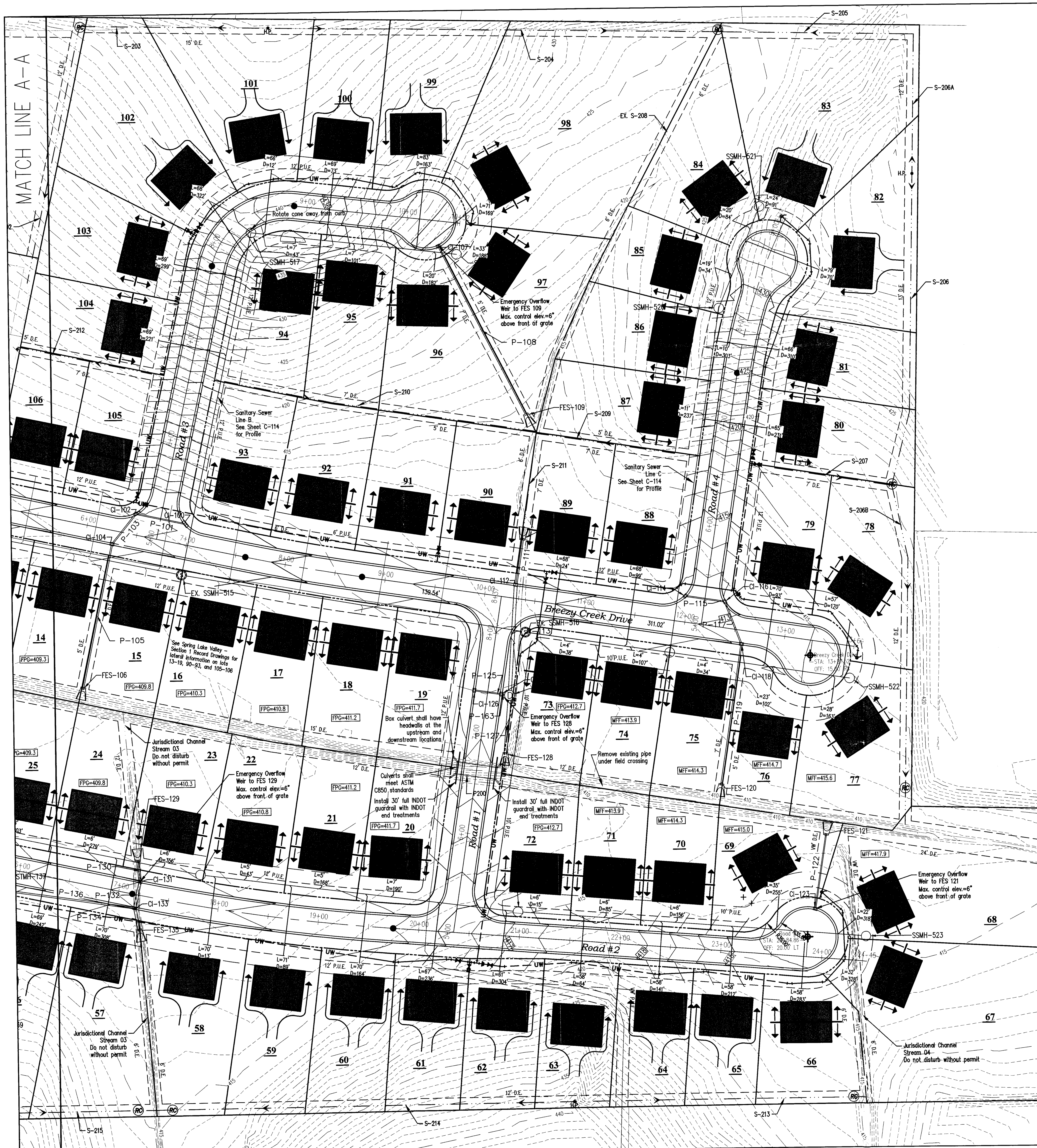


Legend

Air Conditioner Unit		Light Pole		Curb Inlet		Soil Boring	
Area Drain		Mail Box		Electric Junction Box		Storm Sewer Manhole	
Catch Basin		P.B. Pipe Bollard		Electric Manhole		Traffic Signal Box	
Cleanout		Power Pole		Electric Meter		Traffic Signal Manhole	
Communication Junction Box		Sanitary Sewer Manhole		Trans Electric Transformer		Traffic Signal Pole	
Communication Manhole		Sign		Fire Hydrant		Utility Pole	
Flag Pole		Utility Pole with Drop		Building Setback Line		UC Underground Communication	
Flared End Section		Utility Pole with Light		Center Line		UE Underground Electric	
Gas Meter		Utility Pole with Meter		Easement Line		UG Underground Gas	
Gas Valve		Utility Pole Transformer		Fence Line		UW Underground Water	
Grease Trap Manhole		Water Manhole		Flow Line		FM Underground Sanitary Force Main	
Guy Wire		Water Meter		Property Boundary Line			
Irrigation Control Valve		Water Valve		Right-of-way Line			
				OHE Overhead Electric			
				OHC Overhead Communcation			
				OHU Overhead Utilities			

Proposed Legend

- Edge of Pavement/Front of Curb
- 490 Design Contour Elevation
- Sanitary Sewer Pipe
- Storm Pipe, P
- UW Potable Water Main
- Swale
- Proposed Easement
- Property Line
- Sanitary Sewer Manhole, SSMH
- Storm Manhole, STMH
- Flared End Section, FES
- Curb Inlent, CI
- Sanitary Sewer Lateral
  L: Length of Lateral
  D: Distance from Centerline of Downstream Manhole
- Fire Hydrant
- Blow-Off Assembly
- M.J. Bend
- M.J. Gate Valve
- M.J. Reducer
- Fire Hydrant M.J. Gate Valve M.J. Tee
- M.J. Tee
- Corp. Cock
- RC Rock Check Dam

General Notes:

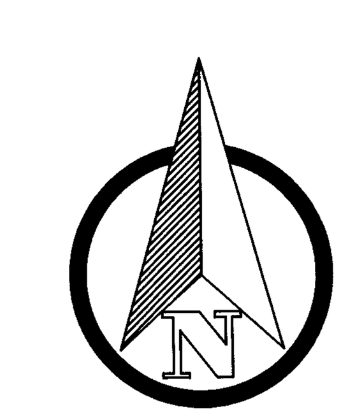
1. Contractor shall comply with all local, state and federal codes, ordinances, rules, regulations, orders and other legal requirements of municipal authorities which bear on the performance of the work.
2. The contractor is cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of various utility companies, and where possible measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must contact the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities.
   Indiana Underground Utility Locate Service
   Phone: 811
3. Material and Installations specifications shall be in conformance with applicable portions of the INDOT standard specifications, (latest edition) unless specifically stated otherwise on these plans, contract documents or local code.
4. The contractor shall repair and/or replace all existing utilities, sidewalks, curbs, or other existing infrastructure damaged as a result of this project.

Storm Sewer General Notes:

1. Contractor shall comply with all local, state and federal codes, ordinances, rules, regulations, orders and other legal requirements of municipal authorities which bear on the performance of the work.
2. The contractor is cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of various utility companies, and where possible measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must contact the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities.
   Indiana Underground Utility Locate Service, Phone 811
3. Material specifications shall be in conformance with applicable portions of the INDOT standard specifications, (latest edition) and ASTM Standards unless specifically stated otherwise on these plans, contract documents or local code.

General Notes:

1. Contractor and materials shall comply with all local, state and federal codes, ordinances, rules, regulations, orders and other legal requirements of municipal authorities which bear on the performance of the work.
   The contractor is cautioned that the location, elevation, size and/or material type of existing utilities as shown on these plans is based on records of various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor is responsible for the accurate location elevation, size and/or material type of all utilities and hazards whether shown or not. The contractor must contact the appropriate utility company at least 48 hours before any excavation to request exact field location elevation, size and/or material type of utilities.
2. Material specifications shall be in conformance with applicable portions of the INDOT Standard Specifications, (latest edition), memorandums and supplements unless specifically stated otherwise on these plans, contract documents or local code.
3. All pipe lengths are measured center of structure to center of structure. Pipes ending in flared end sections shall be measured to the end of the pipe.
4. Design pipe slopes are calculated from the center of structure to the center structure, or end of pipe for flared end sections. Construction pipe slopes may vary slightly if the structure cross slope does not match the design pipe slope. Flared end section slopes shall match design pipe slopes.
5. The contractor shall repair and/or replace all existing utilities damaged as a result of this project.
6. The contractor shall be responsible for notifying all occupants of interruption to their utilities that will be caused by this project.
7. The contractor shall maintain the road right-of-way which has been disturbed. Maintenance shall meet the approval of the governing engineer.
8. Erect and maintain all necessary barricades, detour signs, warning signals and lights (in conformance with the Manual on Uniform Traffic Control Devises - latest edition) and INDOT Standard Specifications, memorandums and supplements required to direct traffic safely over or around the place where work is being done, that in any way interferes with traffic or pedestrians.
9. Driveways in road right-of-way will be considered as private property and will be repaired with "like kind" if damaged.
10. Areas exposed by excavation or stripping and on which subgrade preparations are to be performed shall be scarified to minimum depth of 8" and compacted to minimum of 95% of optimum density, in accordance with ASTM D 698 (or 92% of optimum density, in accordance with ASTM D 1557), at a moisture content of not less than 1% below and not more than 3% above the optimum moisture content. These areas shall then be proofrolled to detect any areas of insufficient compaction, soft and yielding material. Proofrolling shall be accomplished by making a minimum of two (2) complete passes with a fully-loaded tri-axle truck, or approved equivalent, in each longitudinal and perpendicular directions under the supervision and direction of a field geotechnical engineer. The proofroll shall be completed in the presence of a county inspector. Areas of failure shall be excavated and re-compacted as stated above.
    Fill materials used in preparation of subgrade shall be placed in lifts or layers not to exceed 8" loose measure and compacted to a minimum density of 95% of optimum density, in accordance with ASTM D 698, (or 92% of the optimum density, in accordance with ASTM D 1557) at a moisture content of not less than 1% below and not more than 3% above the optimum moisture content.
11. All dirt work graded slopes to be no greater than 3:1, unless otherwise noted on these drawings.
12. Slope entrance/exit to public streets with curb and gutter to drain into the street. Slope entrance/exit to public streets without curb and gutter to drain away from the street.
13. All surfaces shall be graded to drain.
14. Local, state, and national laws and guidelines shall take precedence over design information if in conflict. Contractor shall inform client and Morley and Associates, Inc. in writing if any conflicts arise.
15. Maximum cross slopes shall be 1:50 (2.0%).



SCALE 1" = 50'

50 0 50 100

UTILITY COMPANY CONTACTS
AREA CODE (812)

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WOW
Tom Cheski (Thomas.Cheski@wowinc.com)
6045 Wedeking Avenue, Evansville, IN 47715
(812) 437-0395 - Office
(812) 470-4572 - Cell

DRAINAGE, EASEMENT, OR PUBLIC LAND ISSUES IN THE COUNTY
Jeff Mueller (jmueller@vanderburghsurveyor.com)
Vanderburgh County Surveyor
1 NW Martin Luther King Jr. Blvd., Room 325, Civic Center Complex, Evansville IN 47708
(812) 435-5210

HIGHWAY AND LOCAL ROAD ISSUES IN THE COUNTY
John Stoll (Jstoll@vanderburghgov.org)
County Engineer
201 NW Fourth Street, Suite 306, Evansville, IN 47708
(812) 435-5773

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Morley and Associates Inc.

4800 Rosebud Lane
Newburgh, IN 47630
(812) 464-9585
www.morleyandassociates.com

Revisions

No.	By	Date	Description

JAMES E. MORLEY REGISTERED No. 10100250 STATE OF INDIANA PROFESSIONAL ENGINEER

4-4-16

Project \ Client: The Hills - Sterchi Homes Corporation

Sheet Title: **Infrastructure Plan Eastern Half**
Evansville, Indiana

Scale: 1" = 50'

Designed By: JEM	Job Number: 5553.4.007-B
Drawn By: ARK	Date: 4/4/2016

Filename: J:\5000s\5500-5599\5553\Civil 3D\The Hills\5553 The Hills Base ARK5.dwg

Sheet Number: **C-102**