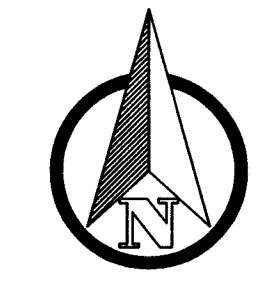
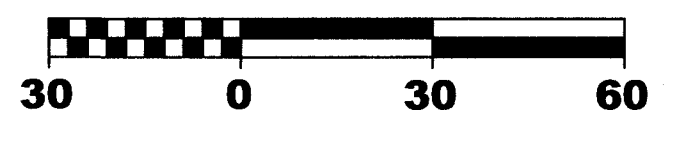


Location Map
Scale 1"=2000'



SCALE 1" = 30'



Notes

- 1 Contractor to coordinate relocation of existing pole with utility.
- 2 Contractor to remove existing 12" RCP. New swale to be installed along the entire length of the removed pipe per detail on sheet C500.
- 3 Contractor to remove existing gravel drive.
- 4 Existing house has been demolished.
- 5 Contractor shall grade Lot 9 towards Detention Basin 1.
- 6 Contractor to regrade swale. See swale data table for more information.
- 7 Emergency overflow maximum control elevation shall be 6" above front of grade of CI 107. Overflow channel shall meet the typical swale cross section on sheet C500.
- 8 Contractor shall grade Lot 10 towards Detention Basin 2.

Note:

All sidewalks to be installed where road is installed.

Grading Notes

1. Contractor shall build the road grades as shown on these plans. If any restraints arise in the field, the contractor shall use minimum pavement slopes of 0.6% to allow flow of runoff.
2. All surfaces shall be graded to drain. All grading to slope away from building pads.
3. Maximum earthwork graded slopes is 3:1 unless otherwise noted on plans. Sod slopes shall not exceed 4:1.
4. 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.
5. See C-500 for more grading notes, site benchmarks, basin cross-sections, and grass-seeding mix.

Drainage Notes

1. No tree limbs, trunks, reuse from illegally burnt vegetation, nor construction waste, demolition materials, or other man made material may be buried within the area in which an impounding structure will be located.

Pipe Name	Size and Type	Length	Slope	US IE	DS IE	Start Structure	End Structure
P 101	8" HDPE Pipe	42.00'	0.50%	404.00	403.79		
P 104	12" RCP	28.86'	1.35%	404.82	404.43	MH 105	FES 103
P 106	12" RCP	81.00'	1.35%	405.91	404.82	CI 107	MH 105
P 201	8" HDPE Pipe	39.00'	0.50%	404.50	404.30		
P 204	15" RCP	105.00'	0.80%	405.64	404.80	CI 205	FES 203
P 301	12" RCP	120.00'	0.35%	410.64	410.22	FES 302	FES 300

Swale Number	UP IE	DS IE	Length	Slope
S1-A	407.10	404.50	25	10.57%
S1-B	409.50	407.10	300	0.80%
S2-A	407.67	405.00	28	9.54%
S2-B	410.52	407.67	285	1.00%
S2-C	411.20	410.52	85	0.80%
S3	412.06	410.65	45	3.13%
S4	410.21	410.04	84	0.20%
S5-A	406.65	406.45	25	0.80%
S5-B	406.45	405.00	21	6.90%
S6	406.33	406.01	39	0.82%

Name	Description	US IE	DS IE	AD / MH = Rim CI = FG	Invert Elevation
CI 107	Curb Inlet		P 106, 12" RCP IE = 405.91	408.05	405.91
CI 205	Curb Inlet		P 204, 15" RCP IE = 405.64	408.05	405.64
FES 103	Flared End Section	P 104, 12" RCP IE = 404.43	404.34		
FES 203	Flared End Section	P 204, 15" RCP IE = 404.80	404.75		
FES 300	Flared End Section	P 301, 12" RCP IE = 410.22	410.21		
FES 302	Flared End Section	410.65	P 301, 12" RCP IE = 410.64		
MH 105	Manhole	P 106, 12" RCP IE = 404.82	P 104, 12" RCP IE = 404.82	408.02	404.82

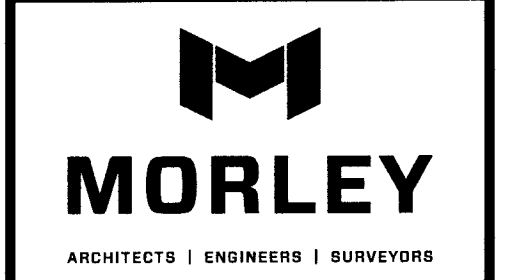
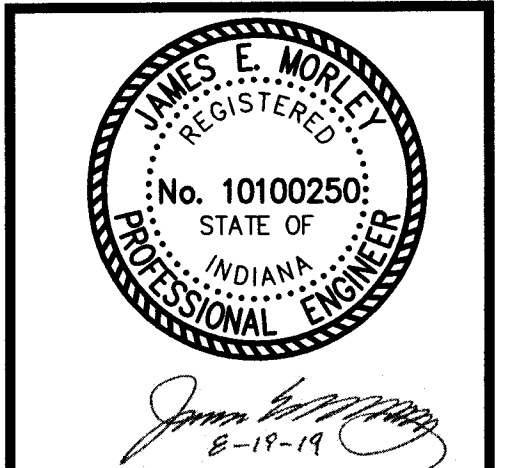
Note:
Contractor is responsible for actual structure types and sizes.

Existing Legend

- Area Drain
- Cleanout
- Communication Junction Box
- Curb Inlet
- Electric Junction Box
- Electric Transformer
- Fire Hydrant
- Flared End Section
- Gas Meter
- Gas Valve
- Guy Wire
- Light Pole
- Power Pole
- Sanitary Sewer Manhole
- Sign
- Storm Sewer Manhole
- Utility Pole
- Utility Pole with Drop
- Utility Pole Transformer
- Water Meter
- Water Valve
- Center Line
- Easement Line
- Flow Line
- Right-of-Way Line
- Overhead Utilities
- Property Boundary Line
- Underground Communication
- Underground Electric
- Underground Gas
- Underground Water
- CPP
- Esmt
- I.E.
- RCP
- RAW
- SP
- Corrugated plastic pipe
- Underground Gas
- Reinforced Concrete Pipe
- Right-of-Way
- Steel Pipe

Proposed Legend

- 4" Rolled Curb
- Proposed Pavement
- Concrete Sidewalk
- Storm Pipe
- Drainage Swale and Flow Direction
- Curb Inlet
- Storm Manhole
- Flared End Section, FES or Headwall, HW
- Sanitary Sewer Manhole, SSMH
- Sanitary Sewer Main
- Sanitary Sewer Lateral
- Potable Water Main



All ideas, designs, calculations, and arrangements indicated or represented by this drawing are owned by and are the property of Morley and Associates, Inc. and are not to be used for any other project without the written consent of Morley and Associates, Inc. If differences exist between electronic files and the signed and sealed hard copy drawings, the hard copy shall govern.

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Ne vayah Place

Infrastructure/ Drainage Plan

No.	By	Date

Revisions

Scale: 1" = 30'

Designed By: JEM Job Number: 10390.4.001-B
Drawn By: AMC Date: 8/19/19
Filename: 10390 Civil Base
Sheet Number: C100

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