

AREA 1 (POST-DEVELOPED)
TOTAL DRAINAGE AREA: 8.95 ACRES
IMPERVIOUS AREAS - CN 98 - 4.25 ACRES
WOODS - HSG D - CN 77 - 0.03 ACRE
OPEN SPACE - HSG D - CN 80 - 4.67 ACRES

AREA 1 RUNOFF TRAVEL PATH
SHEET FLOW SEGMENT (A-B)
GROUND COVER: GRASS
SLOPE: 3.3%
LENGTH: 76 FEET
TRAVEL TIME: 9 MINUTES

AREA 1 RUNOFF TRAVEL PATH
SHALLOW CONCENTRATED FLOW SEGMENT (B-C)
GROUND COVER: UNPAVED
SLOPE: 2.0%
LENGTH: 80 FEET
TRAVEL TIME: 0.6 MINUTE

AREA 1 RUNOFF TRAVEL PATH
SHALLOW CONCENTRATED FLOW SEGMENT (C-D)
GROUND COVER: PAVED
SLOPE: 1.2%
LENGTH: 309 FEET
TRAVEL TIME: 2.4 MINUTES

AREA 1 RUNOFF TRAVEL PATH
CHANNEL FLOW SEGMENT (D-E)
LENGTH: 485 FEET
TRAVEL TIME: 4.2 MINUTES

AREA 2 RUNOFF TRAVEL PATH
SHEET FLOW SEGMENT (A-B)
GROUND COVER: GRASS
SLOPE: 1.5%
LENGTH: 100 FEET
TRAVEL TIME: 15.6 MINUTES

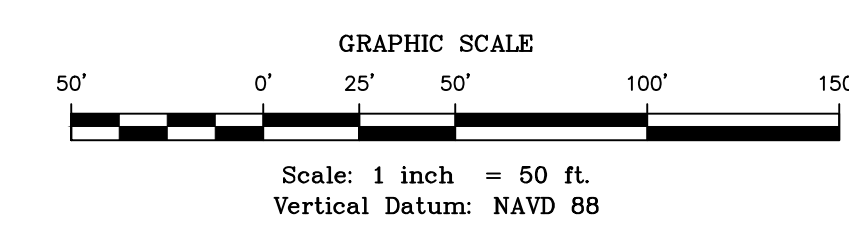
AREA 2 (POST-DEVELOPED)
TOTAL DRAINAGE AREA: 4.37 ACRES
IMPERVIOUS AREAS - CN 98 - 0.29 ACRE
WOODS - HSG D - CN 77 - 0.95 ACRE
OPEN SPACE - HSG D - CN 80 - 3.13 ACRES

AREA 2 RUNOFF TRAVEL PATH
SHALLOW CONCENTRATED FLOW SEGMENT (B-C)
GROUND COVER: UNPAVED
SLOPE: 2.0%
LENGTH: 1,011 FEET
TRAVEL TIME: 7.2 MINUTES

AREA 2 RUNOFF TRAVEL PATH
CHANNEL FLOW SEGMENT (C-POA)
LENGTH: 886 FEET
TRAVEL TIME: 7.2 MINUTES

SOIL MAPPING
REFERENCE: WEB SOIL SURVEY PREPARED
BY USDA NRCS - AUGUST 31, 2020
KkoC-KLINESVILLE CHANNERY LOAM
HYDROLOGIC SOIL GROUP ~ D
PeoB-PENN CHANNERY SILT LOAM
HYDROLOGIC SOIL GROUP ~ C
RehB-REAVILLE SILT LOAM
HYDROLOGIC SOIL GROUP ~ C

- LEGEND**
- | EXISTING | PROPOSED | |
|----------|----------|---|
| --- | --- | FLOODWAY LIMIT LINE |
| --- | --- | 100 YEAR FLOOD PLAN LIMIT LINE |
| --- | --- | D.R.C.C. BUFFER LINE |
| --- | --- | WETLAND LIMIT LINE W/FLAGS |
| --- | --- | WETLAND BUFFER LINE |
| --- | --- | WETLAND AREAS |
| --- | --- | WETLAND SWALE |
| --- | --- | SLOPE AREAS GREATER THAN 15% |
| --- | --- | CONTOURS |
| --- | --- | ZONING LIMIT LINE |
| --- | --- | SOIL LIMIT LINE |
| --- | --- | TREELINE |
| --- | --- | SPOT GRADE |
| --- | --- | TOP OF CASTING ELEVATION |
| --- | --- | TOP OF GRADE ELEVATION |
| --- | --- | FIRST FLOOR ELEVATION |
| --- | --- | FINISH GARAGE FLOOR ELEVATION AT EDGE OF DRIVEWAY |
| --- | --- | DRAINAGE FLOW DIRECTION |
| --- | --- | EDGE OF PAVEMENT |
| --- | --- | CONCRETE CURB |
| --- | --- | STORM SEWER LINE W/INLET & PROTECTION |
| --- | --- | SANITARY SEWER |
| --- | --- | SANITARY SEWER LATERAL |
| --- | --- | WATERMAIN SERVICE |
| --- | --- | GAS MAIN SERVICE |
| --- | --- | ELECTRICAL/TELEPHONE SERVICE |
| --- | --- | OVERHANG ELECTRICAL SERVICE |
| --- | --- | HEADWALL |
| --- | --- | UTILITY POLE |
| --- | --- | TRAFFIC SIGN |
| --- | --- | HYDRANT |
| --- | --- | LIMIT OF DISTURBANCE |
| --- | --- | SILT FENCE |
| --- | --- | TEMPORARY TOPSOIL STOCK PILE |



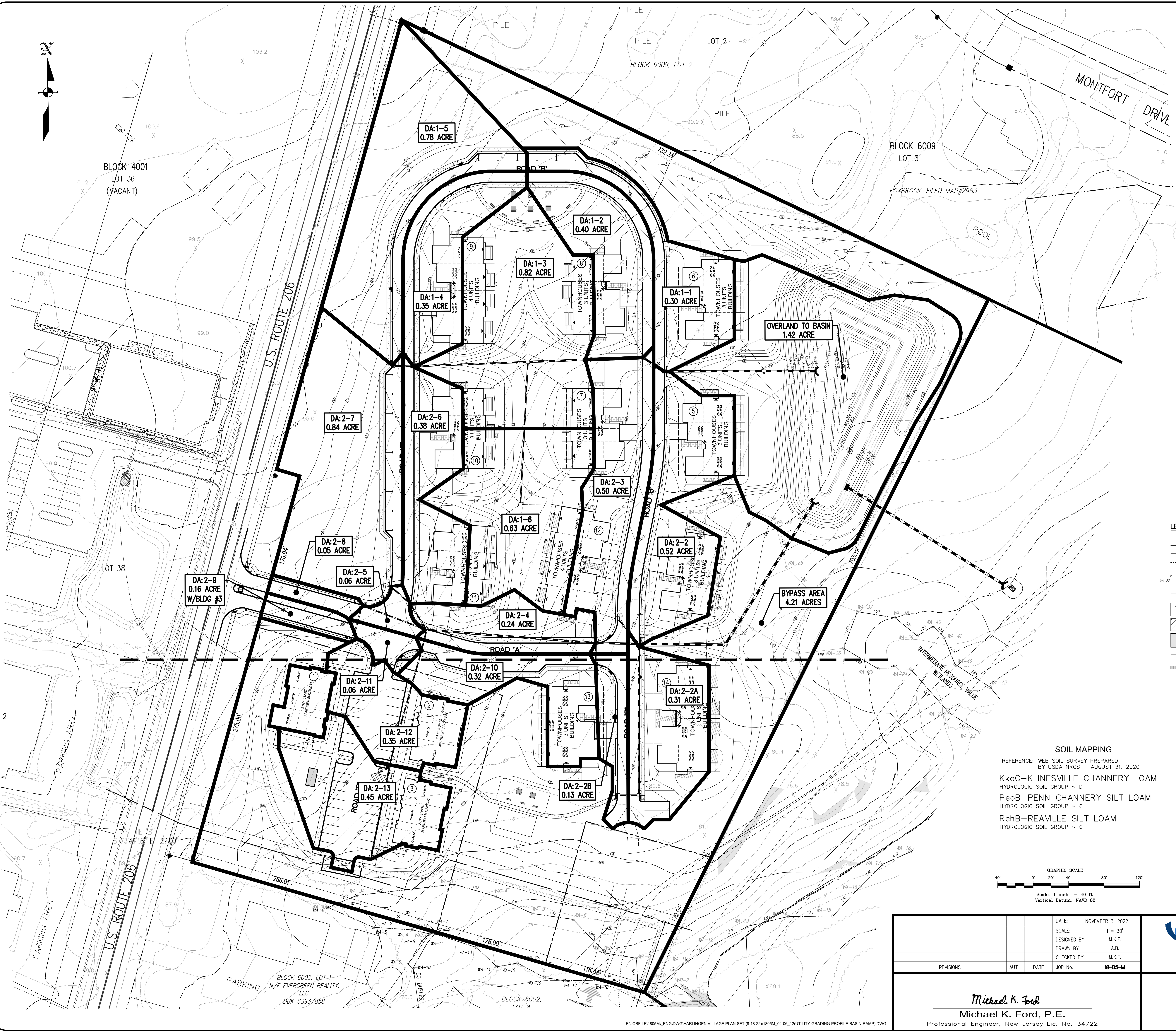
REVISIONS		AUTH.	DATE	JOB No.	18-05-M
DATE:		NOVEMBER 3, 2022			
SCALE:		1"= 50'			
DESIGNED BY:		M.K.F.			
DRAWN BY:		A.B.			
CHECKED BY:		M.K.F.			

Michael K. Ford
Professional Engineer, New Jersey Lic. No. 34722

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CERT. OF AUTHORIZATION NO. 26628X121880

PROPOSED DRAINAGE AREA MAP
PREPARED FOR
HARLINGEN VILLAGE SQUARE
LOTS 33, 34, 34.01, 35, 35.01 & 36 IN BLOCK 6001
MONTGOMERY TOWNSHIP,
SOMERSET COUNTY, NEW JERSEY

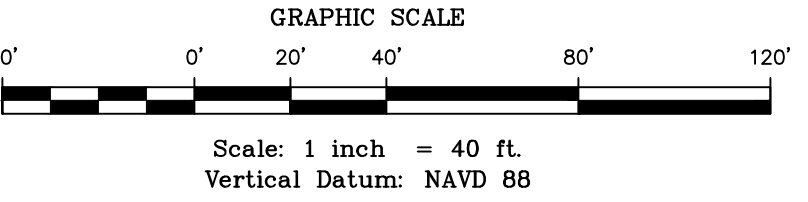
Bridges/Highways
Construction Inspection
Environmental
Geotechnical/Dams
Landscape Architecture
Local/Regional Planning
Municipal Engineering
Site Development
Surveying/Aerial Drones/GIS
Water/Wastewater



LEGEND

EXISTING	PROPOSED	
---	---	FLOODWAY LIMIT LINE
---	---	100 YEAR FLOOD PLAIN LIMIT LINE
---	---	D.R.C.C. BUFFER LINE
---	---	WETLAND LIMIT LINE W/FLAGS
---	---	WETLAND BUFFER LINE
---	---	WETLAND AREAS
---	---	WETLAND SWALE
---	---	SLOPE AREAS GREATER THAN 15%
---	---	CONTOURS
---	---	ZONING LIMIT LINE
---	---	SOIL LIMIT LINE
---	---	TREELINE
---	---	SPOT GRADE
---	---	TOP OF CASTING ELEVATION
---	---	TOP OF GRADE ELEVATION
---	---	FIRST FLOOR ELEVATION
---	---	FRESH GARAGE FLOOR ELEVATION AT EDGE OF DRIVEWAY
---	---	DRAINAGE FLOW DIRECTION
---	---	EDGE OF PAVEMENT
---	---	CONCRETE CURB
---	---	STORM SEWER LINE W/INLET & PROTECTION
---	---	SANITARY SEWER
---	---	SANITARY SEWER LATERAL
---	---	WATERMAIN SERVICE
---	---	GAS MAIN SERVICE
---	---	ELECTRICAL/TELEPHONE SERVICE
---	---	OVERHANG ELECTRICAL SERVICE
---	---	HEADWALL
---	---	UTILITY POLE
---	---	TRAFFIC SIGN
---	---	HYDRANT
---	---	LIMIT OF DISTURBANCE
---	---	SILT FENCE
---	---	TEMPORARY TOPSOIL STOCK PILE

SOIL MAPPING
REFERENCE: WEB SOIL SURVEY PREPARED BY USDA NRCS - AUGUST 31, 2020
KkoC-KLINESVILLE CHANNERY LOAM
HYDROLOGIC SOIL GROUP ~ D
PeoB-PENN CHANNERY SILT LOAM
HYDROLOGIC SOIL GROUP ~ C
RehB-REAVILLE SILT LOAM
HYDROLOGIC SOIL GROUP ~ C



DATE:	NOVEMBER 3, 2022
SCALE:	1"= 30'
DESIGNED BY:	M.K.F.
DRAWN BY:	A.B.
CHECKED BY:	M.K.F.
JOB No.	18-05-M

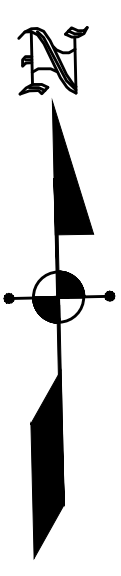
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INLET DRAINAGE AREA MAP
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LOTS 33, 34, 34.01, 35, 35.01 & 36 IN BLOCK 6001
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HYDROLOGIC SOIL GROUP ~ D

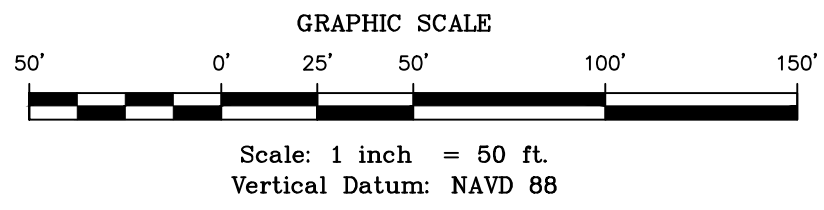
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		HYDRANT
		LIMIT OF DISTURBANCE
		SILT FENCE
		TEMPORARY TOPSOIL STOCK PILE

MAP UNIT	MAP UNIT SIZE (ACRES)
RehB	6.15
PeoB	3.44



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