



**216 Grandview Avenue – Weinberger Subdivision
Village of Montebello
Underdrain Report – Lots 21, 22 and 24**

December 10, 2024

Revised March 5, 2025

March 17, 2025

March 24, 2025

This Underdrain Report was revised in response to comments provided by Spence Engineering dated March 23, 2025. The as-built inverts and the design rim elevation and the as-built rim elevations for CB 38A and CB 15 have been provided.

The surveyor adjusted the as-built elevations of the catch basins by adjusting the base survey datum to match the survey the datum used by William Youngblood's base survey dated July 09, 2001 which was the basis for the proposed elevations on the site plan. The revised as-built rim elevations are closer to the proposed grades on the site plan. The as-built rim elevations will need to be raised at the time of the construction of the final wearing course on the road which will bring the elevations even closer to the proposed.

Lot 24 – Phase 1 - Weinberger Subdivision

The Deep Soil Test revealed no groundwater or bedrock at 12' below the existing grade. Existing grade elevation = 410 – no sign of ground water at elevation 398. The proposed first floor elevation is 414. The basement floor elevation (9 feet below the first-floor elevation) is proposed at elevation 405. No changes are proposed to the proposed grading around the building. The proposed grade around the building is 412.0, therefore the basement is buried 7 feet deep ($412 - 405 = 7'$) which is more than 50 % of the basement interior height.

We propose to provide an underdrain (See the foundation underdrain detail Dwg. # 33) connection to proposed CB # 36 (design rim elevation 402.78) in Hickory Court. The as-built survey determined the existing rim of this catch basin is 402.29 with an invert of 396.6. The 4"Ø underdrain to be constructed with an invert of 400.75 into the catch basin.

Lot 22 – Phase 1 Weinberger Subdivision

The Deep Soil Test revealed no groundwater or bedrock at 12' below the existing grade. Existing grade elevation = 402 – no sign of ground water at elevation 390. We propose raising the first floor elevation to 410, previously 408.0. The basement floor elevation (9 feet below the first-floor elevation) is proposed at elevation 401. No changes are proposed to the proposed grading around the building. The proposed grade around the building is 406, therefore the basement is buried 5 feet deep ($406 - 401 = 5'$) which is more than 50% of the basement interior height.

Civil Tec Engineering & Surveying P.C.

139 Lafayette Avenue, 2nd Floor, Suffern, NY 10901 Tel 845.547.2241 Fax 845.547.2243

111 Main Street, Chester, NY 10918 Tel 845.610.3621

Civil-Tec.com

We propose to provide an underdrain (See the foundation underdrain detail Dwg. # 33) connection to proposed CB # 38A (design rim elevation 398.6) in Magnolia Street. The as-built survey determined the existing rim of this catch basin is 398.43 and the invert is 395.6. The 4"Ø underdrain to be constructed with an invert of 396.1. into the catch basin.

Lot 21 – Phase 1 Weinberger Subdivision

The Deep Soil Test revealed groundwater at 10' below the existing grade.

Existing grade elevation = 399 – ground water at elevation 389.

We propose to raise the first-floor elevation to 405, previously 403. The basement floor elevation (9 feet below the first-floor elevation) is proposed at elevation 396. No changes are proposed to the proposed grading around the building. The proposed grade around the building is 401, therefore the basement is buried 5 feet deep ($401 - 396 = 5'$) which is more than 50% of the basement interior height.

We propose to provide an underdrain (See the foundation underdrain detail, Dwg. # 33) connection to proposed CB # 15 (design rim elevation 394.96) in Magnolia Street. The as-built survey determined the existing rim of this catch basin is 394.5 and the invert is 390.3. The 4"Ø to be constructed with an invert of 392.2 into the catch basin.

The following documentation is attached:

1. The Soil Deep Test Report dated November 26, 2024
2. Revised Grading, Drainage and Utility Plan (Section A) with catch basin as-built information.
3. Foundation Underdrain Detail.

**216 Grandview Avenue
Village of Montebello
Deep Tests
November 26, 2024**

Test performed by Siyanie Brewley, signed off by Rachel Barese, P.E.

Hole 1 – Lot No. 24 (South of the cul-de-sac)

Deep Test:

0' - 5' Brown silty loam with stones 1"-24"

5' - 12' Dark brown silty loam with stones 1" – 24"

Signs of perched water at 5'

No signs of bedrock or groundwater



Hole 2 – Lot No. 22 (North of the cul-de-sac)

Deep Test:

0' - 5' Brown silty loam with stones 1"-24"

5' - 12' Dark brown silty loam with stones 1" – 24"

No signs of bedrock or groundwater



Hole 3 - Lot No. 21 (Northwest of hole 2)

Deep Test:

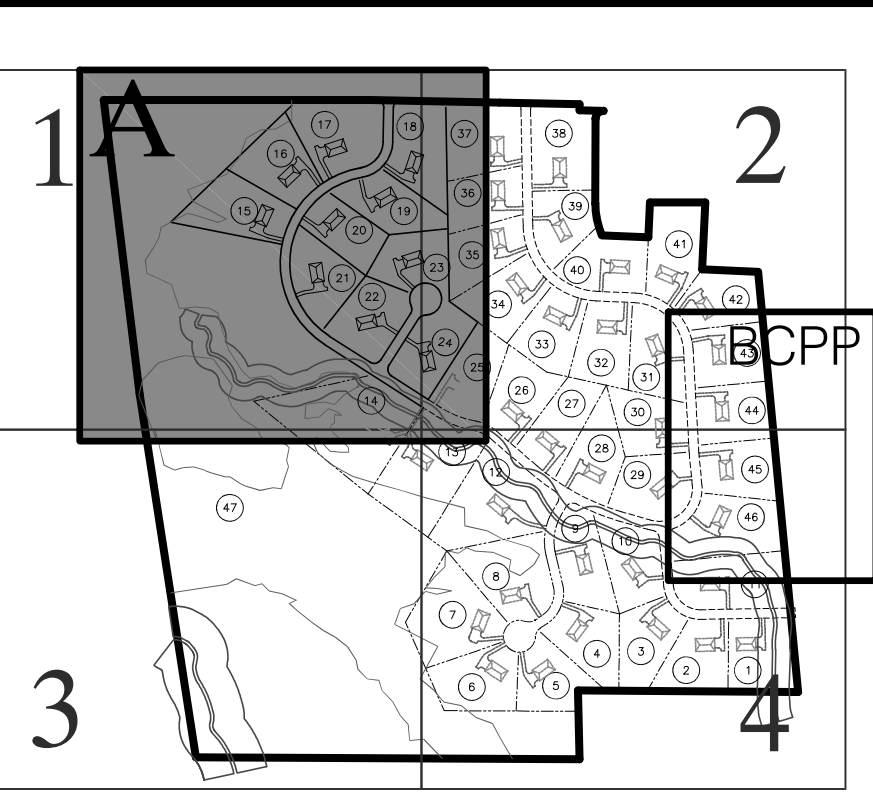
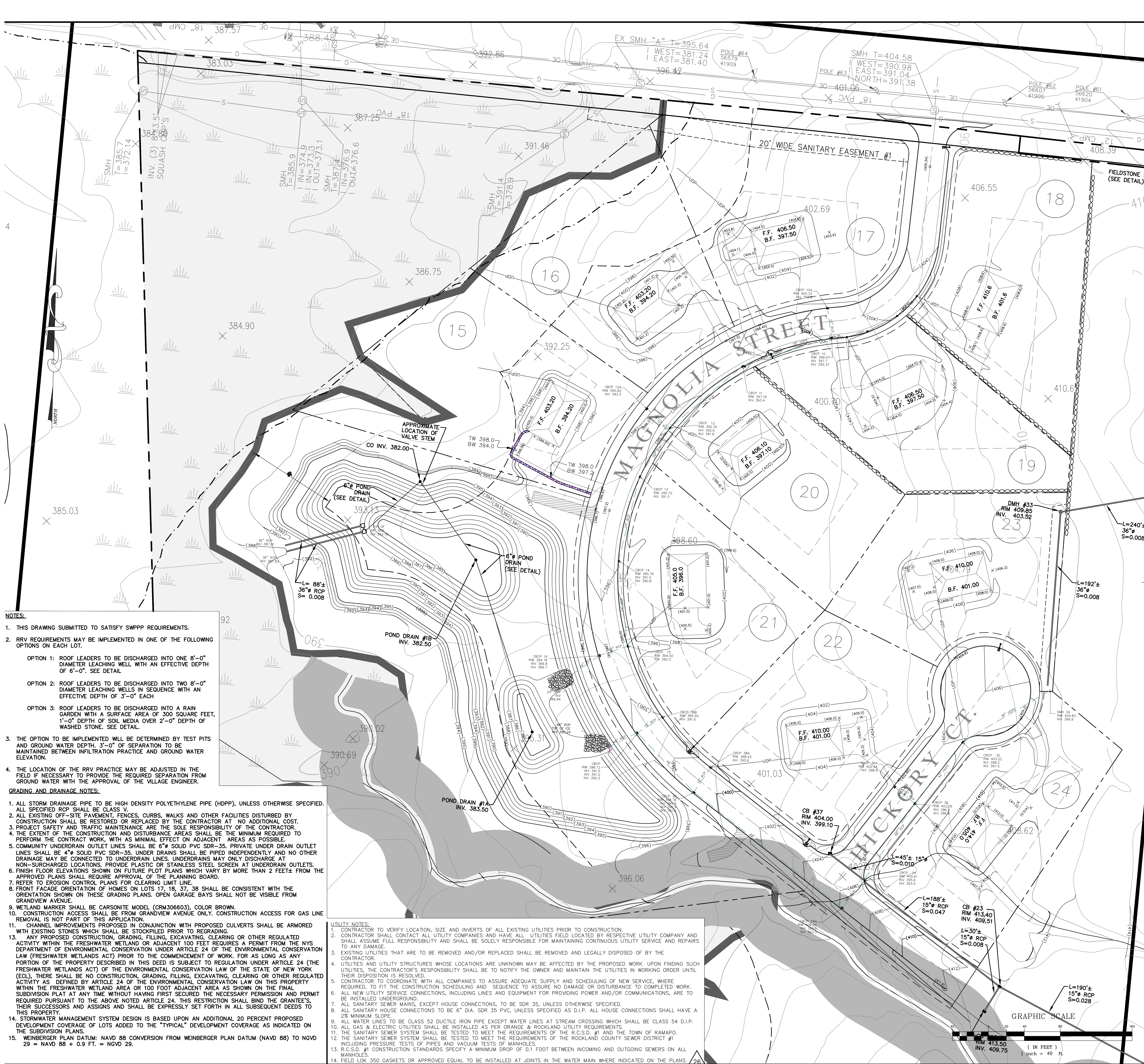
0' - 5' Brown silty loam with stones 1"-24"

5' - 10' Dark brown silty loam with stones 1" - 24"

Signs of groundwater at 10'

No signs of bedrock





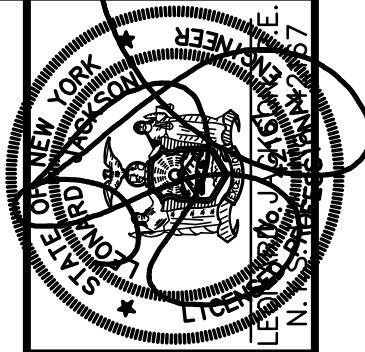
EXISTING	LEGEND	PROPOSED
	PROPERTY LINE	---
	DESIGNATED STREET LINE	---
	EASEMENT LINE	---
---	100 YEAR FLOOD PLAIN BOUNDARY	---
---	FLOODWAY	---
---	STREAM	---
---	REGULATED AREA OF WATERCOURSE OR DITCH	---
---	N.Y.S.D.E.C. (& VILLAGE) WETLAND	---
---	N.Y.S.D.E.C. (& VILLAGE) WETLAND REGULATED AREA	---
---	ACOE WETLAND	---
---	COMBINE N.Y.S.D.E.C. (& VILLAGE) & ACOE WETLAND	---
---	RECYCLED FIELD STONE FARM WALL	---
---	STONE RETAINING WALL	---
---	TOP OF WALL	TW
---	BOTTOM OF WALL	BW
---	CONTOUR	(406)
---	SPOT ELEVATION	X (406.8)
---	CATCH BASIN, CURB INLET	---
---	DRAINAGE MANHOLE	---
---	SANITARY MANHOLE	---
---	UTILITY POLE	---
---	WATER VALVE	---
---	WATER METER PIT	---
---	HYDRANT	---
---	DRAINAGE LINE	---
---	SANITARY LINE	SAN
---	SANITARY HOUSE CONNECTION	SAN
---	WATER LINE	W
---	GAS LINE	G
---	ELECTRIC LINE	OE
---	TELEPHONE, ELECTRIC, GAS & CABLE LINE	TEGC
---	COMMUNITY UNDER DRAIN OUTLET	UDC
---	PRIVATE UNDER DRAIN OUTLET	UDP
---	ROOF LEADER	RL
---	RRV LOCATION	---
---	WETLANDS MARKER	WM
---	FIRST FLOOR ELEVATION	FF
---	BASEMENT FLOOR ELEVATION	BF
---	OVERBANK STABILIZATION RIP-RAP	---
---	HEADWALL & POND OVERFLOW WEIR RIP-RAP	---
---	HEADWALL	---
---	CLEANOUT	---
---	PEDESTRIAN ISLAND	---
---	LIGHT POLE	---
---	PROPOSED CHANNEL IMPROVEMENT AREA (SEE NOTE 12.)	---

THE CATCH BASIN AS-BUILT SURVEY WAS PERFORMED ON FEBRUARY 27, 2025 BY CIVIL TEC ENGINEERING AND SURVEY.

APPROVED BY:
OWNER DATE
CHAIRPERSON DATE

REV.	DESCRIPTION	DATE
28	ADJUSTED AS-BUILT INFO TO CATCH BASINS FOR UNDERDRAINS.	3/17/25
27	ADJUSTED AS-BUILT INFO TO CATCH BASINS FOR UNDERDRAINS.	3/5/25
26	ADDED FIELD LK 350 JOINT RESTRAINTS TO WATER MAIN.	5/5/22
25	REVISED SMH 14 THRU SMH 22 - FIELD CHANGE	12/15/21
24	REVISED AS PER R.C. HEALTH DEPT. COMMENTS 8/31/20	09/02/20
23	UTILITY POLE #3 ADDED AS REQUESTED BY O&R	08/25/20
22	REVISED AS PER SUZ WATER STANDARD SPECIFICATIONS	04/07/20
21	FINAL SUBDIVISION	06/17/09
16	REVISED PER BROOKER ENGINEERING COMMENTS OF 5/12/09	5/21/09
14	REVISED PER BROOKER ENGINEERING COMMENTS OF 4/27/09	5/14/09
13	FINAL SUBDIVISION	04/16/09

REV.	DESCRIPTION	DATE
12	NYSDC RESUBMISSION	10/17/08
11	NYSDC RESUBMISSION	08/19/08
10	GENERAL REVISIONS	1/14/08
9	GENERAL REVISIONS	12/17/07
4	AS PER 10/30/07 CDCR COMMENTS	11/16/07
7	GENERAL REVISION	10/17/07
2	REVISED BLDG. ENVELOPES NEAR WETLAND & GRANDVIEW AVE LOTS	09/12/07
1	FINAL SUBDIVISION APPLICATION	08/09/07



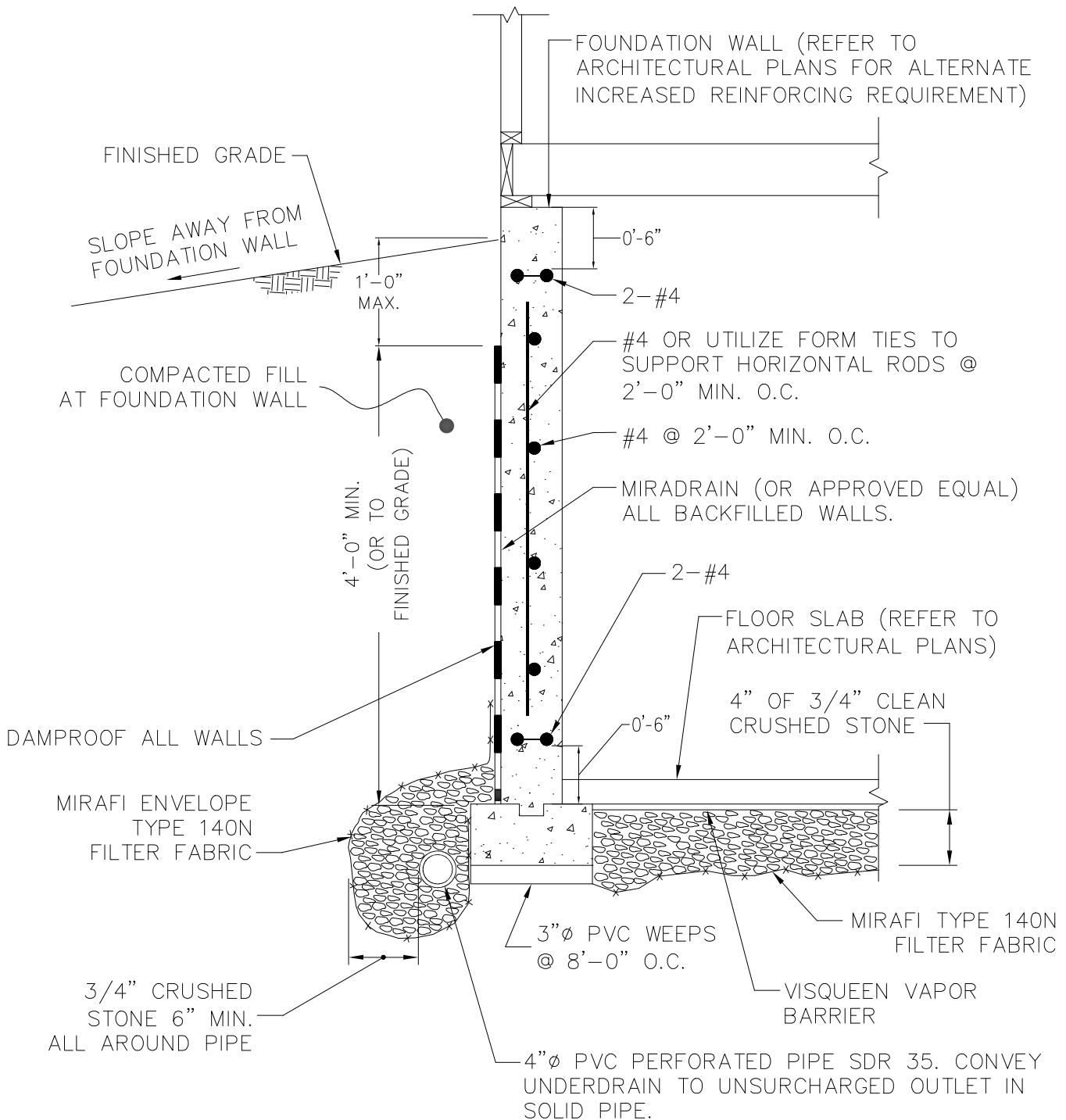
LEONARD JACKSON ASSOCIATES

LJA

WEINBERGER SUBDIVISION
VILLAGE OF MONTEBELLO
ROCKLAND COUNTY, NEW YORK

GRADING, DRAINAGE & UTILITY PLAN (SECTION A)

Job number: 03126
Drawn by: YCT
Date: 05/16/07
Scale: 1" = 40'
Drawing Number: 8



FOUNDATION UNDERDRAIN DETAIL

N.T.S.

NOTES:

- 1.) CONVEY ALL ROOF LEADERS AWAY FROM DWELLING IN SEPARATE AND INDEPENDENT 4"Ø (MINIMUM) SDR 35 PVC PIPE.
- 2.) NO CONNECTIONS TO UNDERDRAIN SYSTEM FROM OTHER SOURCES ARE PERMITTED.
- 3.) BACKFILLING OF WALL IS NOT PERMITTED UNTIL FRAMING IS COMPLETED OR WALL IS SUPPORTED INSIDE.
- 4.) STEEL REINFORCEMENT SHOWN IS MINIMUM REQUIREMENT. SEE ARCHITECTURAL PLANS FOR ALTERNATE INCREASED REINFORCING REQUIREMENT.