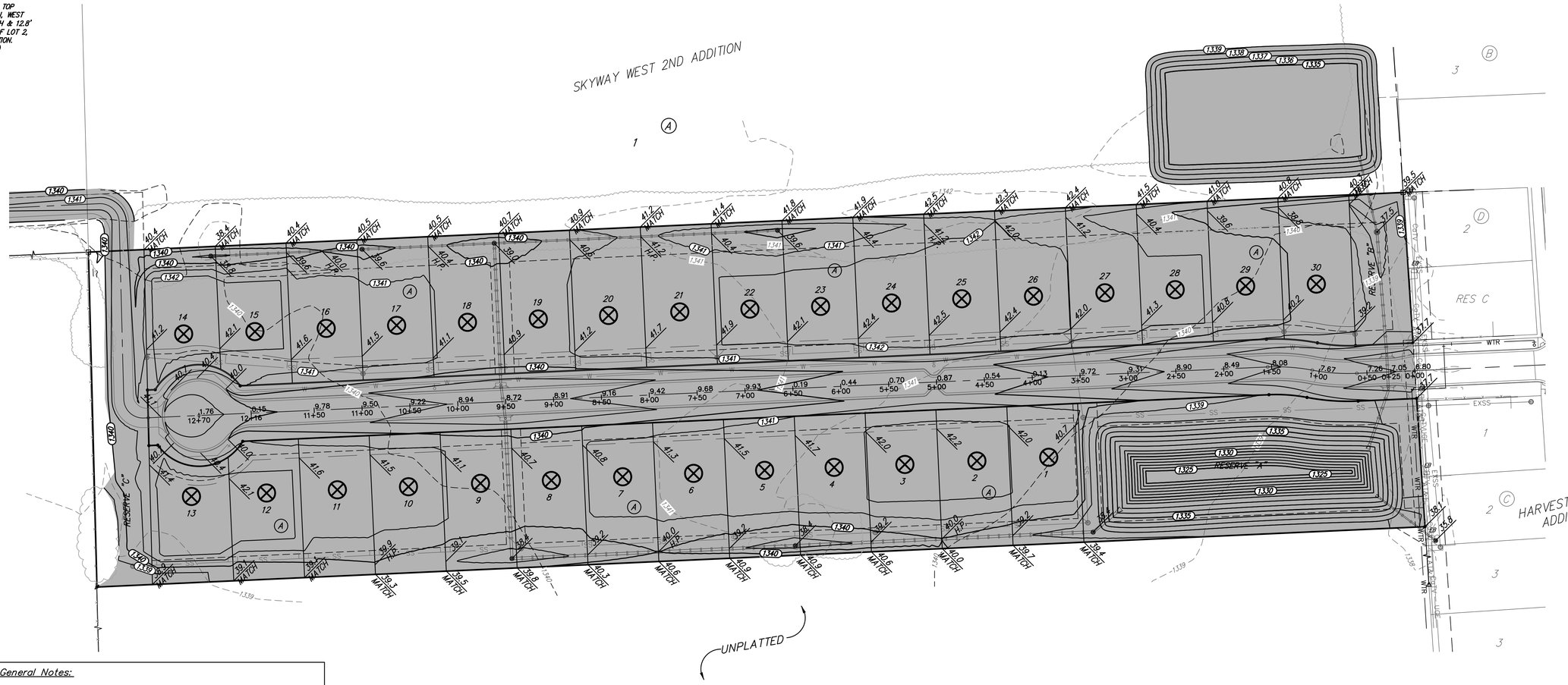
BENCHMARKS:

BENCHMARK #1:
CROSS CUT IN SQUARE CUT, TOP OF CURB AT WEST END OF CURB RETURN, NORTHWEST CORNER OF SHEFFORD AND W 35TH ST S, 14.5' SOUTH & 5.0' WEST OF THE SOUTHEAST CORNER OF LOT 1, BLOCK D, HARVEST RIDGE ADDITION.
ELEV. = 1336.39 (NAVD88)

BENCHMARK #2:
CROSS CUT IN SQUARE CUT ON TOP FRONT CENTER OF CATCH BASIN, WEST SIDE OF HOLLYWOOD, 4.6' NORTH & 12.8' EAST OF SOUTHEAST CORNER OF LOT 2, BLOCK C, HARVEST RIDGE ADDITION.
ELEVATION = 1335.39 (NAVD88)

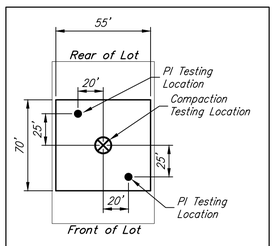


0 60 120
Scale: 1" = 60'
• = Iron

Area to be graded
(1350) Proposed Grade
1350 Existing Grade
Compaction Testing Location

Mass Grading General Notes:

1. Earthwork fill quantities are unadjusted and are for reference only. Excavation for mass grading and pond construction work to be paid for as C.Y. Excavation. All cost associated with fill & compaction shall be incidental to lump sum bid item "Grading, Mass".
2. Contractor to strip top 4–6" of soil within street right–of–way, proposed pond areas, and on lots where fill or less than 6" of excavation is specified before mass grading and stockpile. Topsoil shall be re–distributed above the pond static water surface with Res. "A" & within the north dry detention basin. Remaining topsoil may be spread outside of the 70' buildable pad depth on lots and in street rights–of–way outside of proposed pavement. Topsoil stripping and re–distribution shall be incidental to bid item, "Excavation".
3. Compaction of 95% Standard Proctor Density shall be obtained in all areas. Fill from on–site excavation shall be placed in 8" maximum thickness lifts within 0% to +4% of optimum moisture content of the soil at the time of placement. All testing shall be incidental to Lump Sum bid item "Testing".
4. It shall be the Contractor's responsibility to protect existing utilities during mass grading. Any damage done to these systems by Contractor or subcontractor shall be repaired at no additional cost to the project.
5. All areas disturbed during construction (except building pads area) shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.
6. Street elevations for W 35TH CIR S are top of rock at centerline.
7. Fire access road elevations are bottom of rock at centerline.
8. Grade points around cul–de–sacs are located at 1' behind back of proposed curb.



BUILDING PAD DETAIL

Existing trees which are in direct conflict with proposed new construction shall be removed by the Contractor ONLY with approval of the Developer or Engineer. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. Cost shall be included in bid item "Site Clearing"

The Contractor shall be responsible to collect soil samples from two locations within each lot. The soil samples are to come from the diagonal corners of the building pads as shown on this sheet. The samples shall be collected at a depth of 18" below the pad elevation listed on this sheet. Each soil sample shall be approximately 8 oz. to 12 oz. in weight and sealed in a zip–lock plastic bag. The soil samples shall be used for Atterberg Limits testing (ASTM D4318, "Liquid Limit, Plastic Limit, and Plasticity Index of Soils") to determine the PI (Plasticity Index) of the sample. The Contractor shall deliver the soil samples to a licensed soils testing laboratory for Atterberg Limits testing. The test results shall be delivered to the Project Engineer as the tests are completed. The Contractor shall be responsible for all costs associated with collecting soil, refilling the test holes, labeling the soil samples, transporting the soils, costs of testing, and delivering the test results. All costs associated with the Atterberg Limits testing are to be included in the bid item, "Testing". There are 30 lots (1 building pad per lot) to be tested at two location for a total of 60 tests.

EARTH WORK TOTALS (Unadjusted for shrink & swell)
(for information only)

	Excavation	Fill
North Pond	3,615	–
Reserve "A" Pond	8,288	–
Mass Grading	4,445	11,319
Total Earthwork	16,348	11,319

*Stockpile Excess Excavation West of N Pond

CASE DUSTIN WARNER
LICENSED
29833
11/29/2023
KANSAS
PROFESSIONAL ENGINEER

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

SKYWAY WEST
6TH ADDITION

MASS GRADING

STORMWATER DRAIN IMPROVEMENTS

PROJECT NUMBER:
458-2023-085537

DESIGN: CDW DRAWN: CDW

DATE: August 14, 2023

SHEET 10 OF 27

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