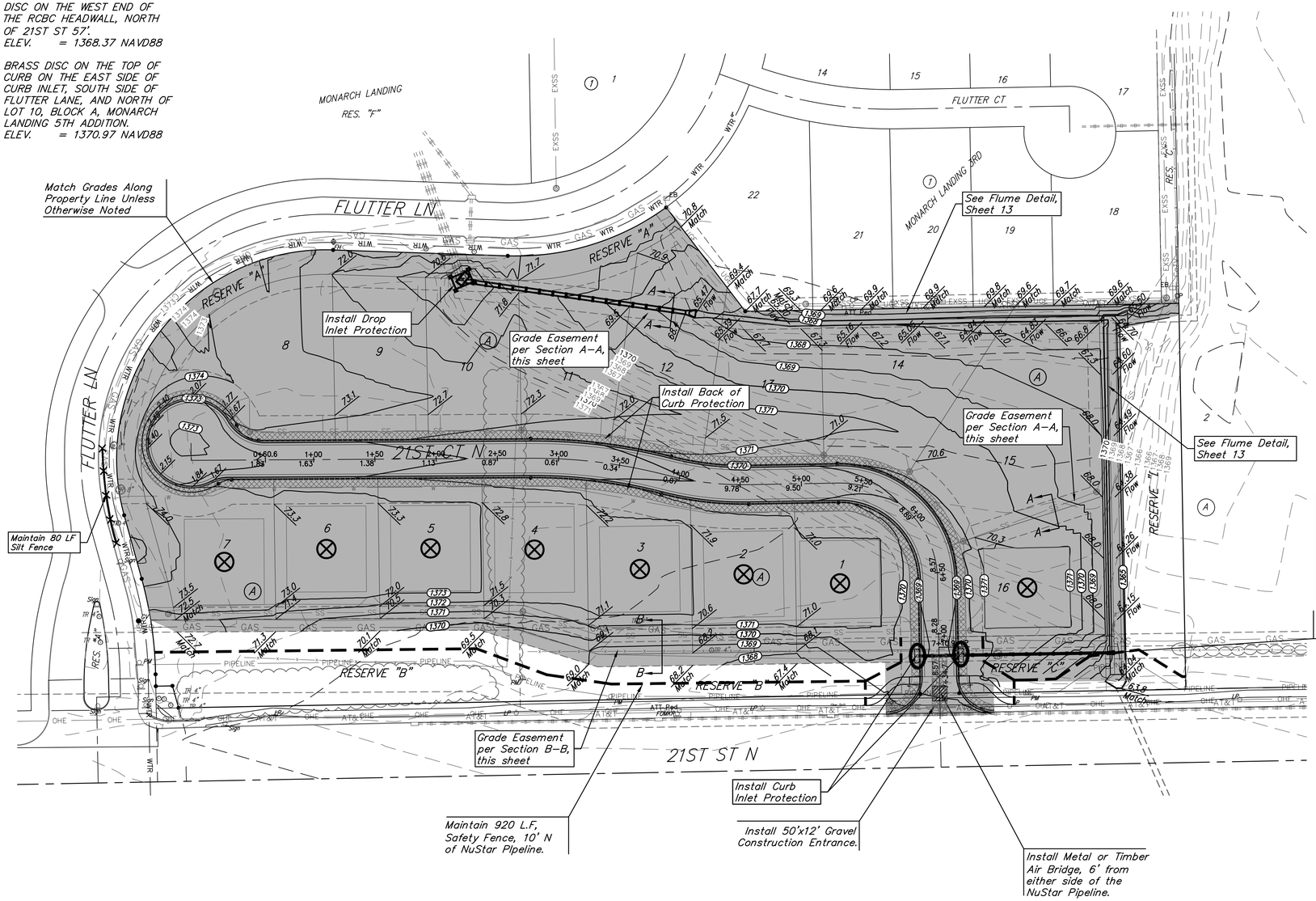
BENCHMARK:
CITY OF WICHITA BENCHMARK DISC ON THE WEST END OF THE RCBC HEADWALL, NORTH OF 21ST ST 57'.
ELEV. = 1368.37 NAVD88

BRASS DISC ON THE TOP OF CURB ON THE EAST SIDE OF CURB INLET, SOUTH SIDE OF FLUTTER LANE, AND NORTH OF LOT 10, BLOCK A, MONARCH LANDING 5TH ADDITION.
ELEV. = 1370.97 NAVD88



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 8 lots (1 building pad per lot) to be tested at two location for a total of 16 tests.

Mass Grading General Notes:

1. Earthwork quantities are unadjusted and are for reference only. All cost associated with mass grading shall be incidental to lump sum bid item "Grading, Mass".

2. This area of devolpment has had fill previously placed to an unknown state. Strip topsoil to a minimum of 4" or as deep as necessary to clear vegetation, roots, organic matter, etc.

3. Trees within the areas of building pad construction and street paving shall have root balls and organic material removed from the site. The root ball excavations must be filled and compacted with engineered fill meeting requirements herein.

4. Compaction of 95% Std. Proctor Density shall be obtained in all areas.

5. Moisture content of fill for Lots shall be between 0 and +4 percent of optimum.

6. 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.

7. All areas disturbed during construction shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.

8. Street elevations shown on mass grading plan are top of dirt at centerline. Grade points around cul–de–sac bulbs are located 1' behind back of proposed curb.

0 50 100
Scale: 1" = 50'
• = Iron
1350 — Proposed Grade
—1364— — Existing Ground
Safety Fence
⊗ – Compaction Testing Location
– Area to be graded

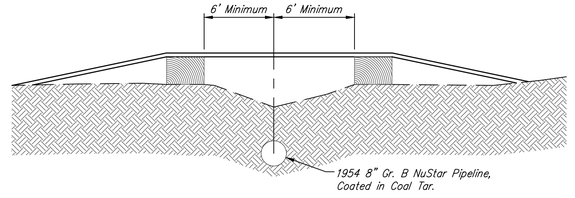
NOTES:
Contractor shall make sure all erosion control is in place before project is accepted. This plan represents the minimum standard. Any additional erosion control measures shall be installed by the Contractor as needed.

All areas disturbed during construction shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.

EROSION CONTROL PLAN LEGEND

– DROP INLET PROTECTION
– CURB INLET PROTECTION
– SILT FENCE
– BACK OF CURB PROTECTION

AIR BRIDGE DETAIL

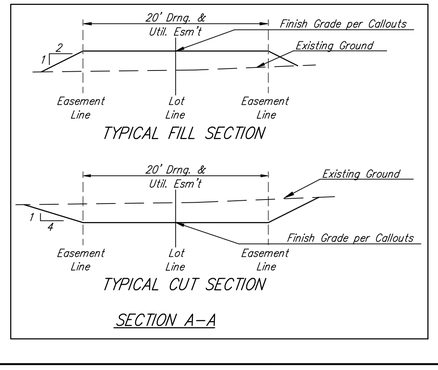


Notes:
1) Air bridge to be constructed with metal or timber.
2) Air bridge must span 6' minimum from centerline of NuStar Pipeline.

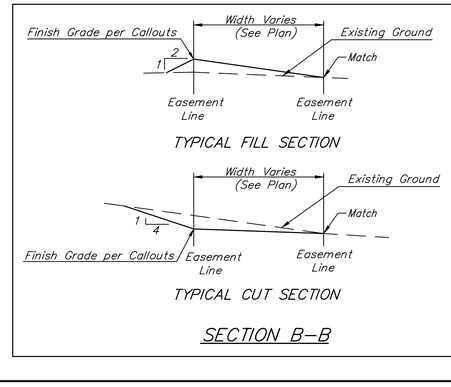
COMPACTION TESTING TABLE

Lot	Location		Dirt Pad Elevation	Compaction % and Test Elevation								
	Northing	Easting		1365	1366	1367	1368	1369	1370	1371	1372	1373
1A	5169.94	5591.35	1371.1	X	X	X					X	X
2A	5177.34	5512.66	1371.8	X	X	X	X				X	X
3A	5181.63	5427.92	1372.3	X	X	X	X					X
4A	5197.46	5341.86	1372.8	X	X	X	X	X				X
5A	5198.50	5257.03	1373.2	X	X	X	X	X	X			
6A	5197.96	5172.03	1373.7	X	X	X	X	X				
7A	5187.44	5088.65	1373.9	X	X	X	X	X	X			
16A	5166.46	5744.12	1370.2							X	X	X

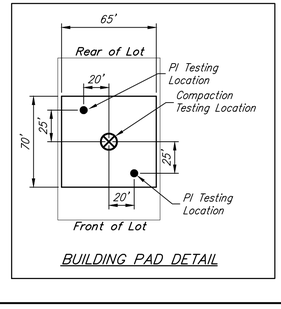
X = No Testing Required



SECTION A–A



SECTION B–B



BUILDING PAD DETAIL

Contractor to verify depth and location of NuStar Pipeline prior to construction. Contact J.B. Smith (316–321–3500) a minimum of two weeks prior to construction.

EROSION CONTROL MEASURE	INSTALL	MAINTAIN
BACK OF CURB PROTECTION (LF)	1,687	0
CONSTRUCTION ENTRANCE (EA)	1	0
CURB INLET BARRIER (EA)	2	0
DROP INLET PROTECTION (EA)	1	0
SILT FENCE (LF)	0	80
MAINTAIN EROSION CONTROL BMP's (LS)	0	1
SAFETY FENCE (LF)	0	920

* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, CUT–OFF TRENCH, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY.

BRENT WOOTEN LICENSED 8470 01/27/2022 KANSAS PROFESSIONAL ENGINEER

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

MONARCH LANDING
5TH ADDITION
MASS GRADING & EROSION CONTROL
STREET / SWS IMPROVEMENTS

PROJECT NUMBER: 472-2021-085737
DESIGN: NBW DRAWN: CDW
DATE: Jan. 26, 2022
SHEET 12 OF 23

File: E:\Projects\Monarch Landing 5th Addition_\Engineering\STR_17-07-E730.dwg