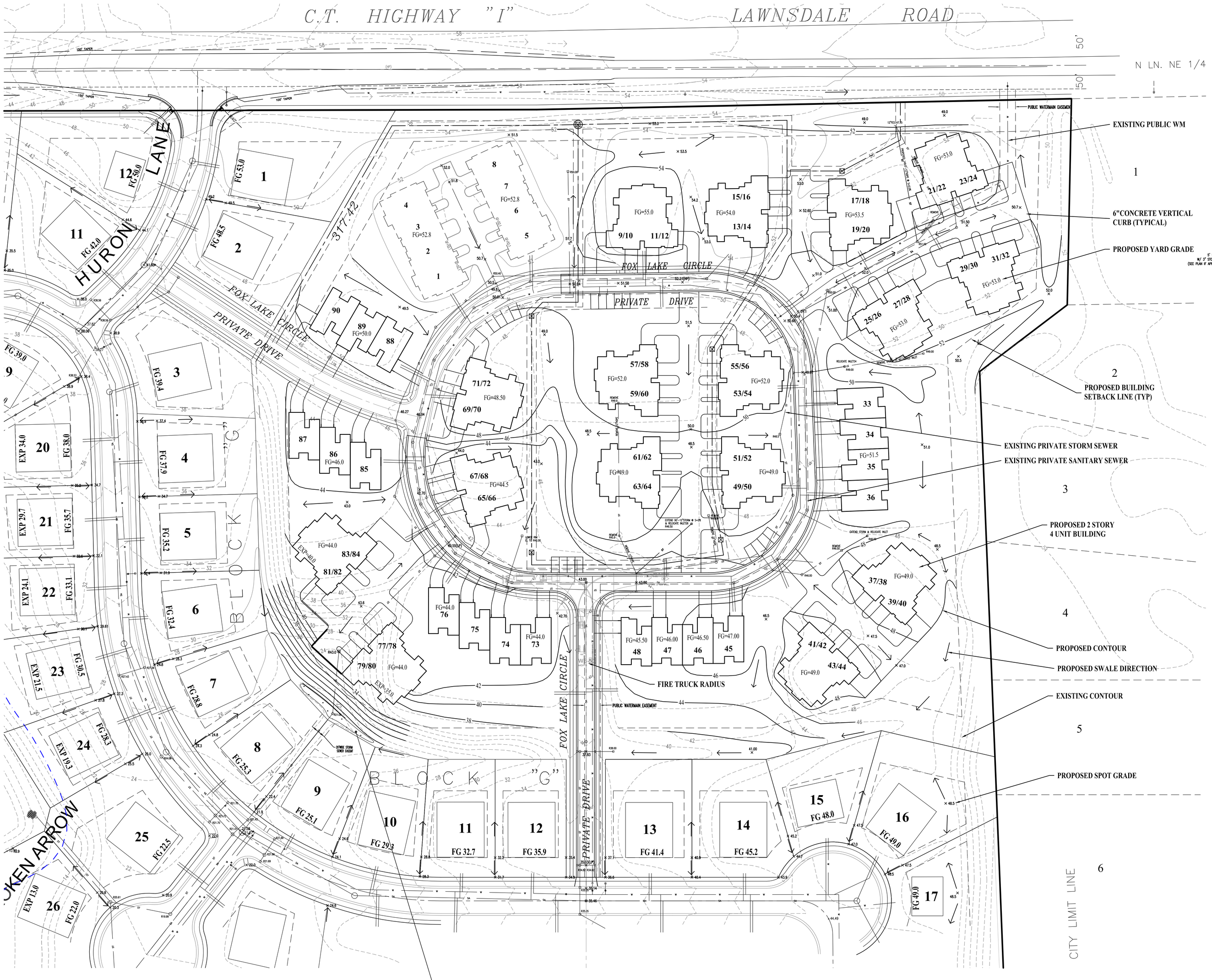
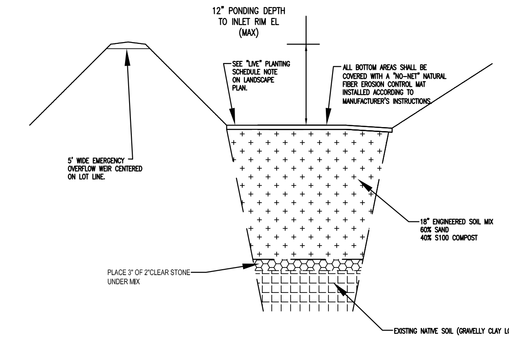
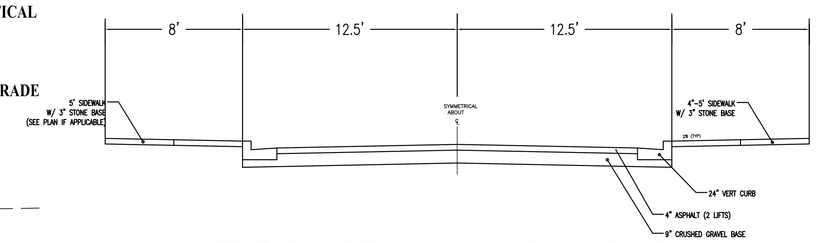
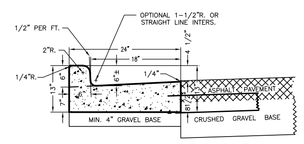




RAIN GARDEN TYPICAL CROSS-SECTION



TYPICAL PRIVATE CROSS-SECTION



TYPICAL DETAIL OF STANDARD 24" COMBINATION CURB AND GUTTER

MGP/EROSION CONTROL NOTES:

1. All work shall be in accordance with the Standard Specifications for Highway and Structure Construction, State of Wisconsin, Latest Edition, unless otherwise called for on the plans, specifications or special provisions.

2. All erosion control measures specified on this plan shall meet the design criteria, standards and specifications as set forth in the Department of Natural Resources Wisconsin Construction Site Best Management Practice Handbook.

3. All erosion control devices (i.e., silt fence, gravel entrance, retention pond, siltation basin, etc.), shall be installed prior to commencing mass grading or utility construction.

4. All activities on the site shall be conducted in a logical sequence to minimize the area of bare soil exposed at any one time.

5. The owner will provide all surveying and construction staking for this contract. The contractor shall exercise care and diligence in protecting the same. Any expense incurred for additional restaking caused by contractor's neglect may be charged to the contractor and deducted from the sums due him under this contract.

6. The contractor shall notify Diggers Hotline, all utilities City Departments, and government units whose property may be affected by the contractor's operations at least three (3) days before breaking ground. Diggers Hotline number is 811.

7. Public roads shall not be closed to traffic at any time. All ingress and egress traffic to the project shall be limited to the gravel entrance to the property.

8. Contractor shall be responsible for maintaining the Streets shall be kept free of silt or dirt tracked from areas under construction by sweeping or other appropriate measures. Dust generated by construction activities shall be minimized by use of watering, calcium chloride surface treatment, construction scheduling or other appropriate methods.

9. Inlets shall be protected with a TYPE F erosion fabric.

10. Upon completion of the work as specified, respread four (4") inches of salvaged topsoil over all disturbed areas and provide seed, fertilizer and mulch per the Standard Specifications.

11. All disturbed areas out of the road right of way shall be revegatated within seven days after being disturbed (weather permitting). Highway mix #40 shall be used for seeding with an application rate of 2.5 lbs/1000 sf.

12. All erosion control devices shall be routinely inspected every seven to ten days or within 24 hours of a rainfall greater than 1.5 inches.

13. All stormwater (where applicable) shall be directed towards a sediment basin or trap by means of a diversion or temporary ditch.

14. If site is not stabilized by September a winter stabilization plan will be required to continue construction.

RAIN GARDEN & SIZING PER TECHNICAL STANDARDS (SEE DETAIL):
BASIN AREA - 20,800sf (12,000 bldg + 8,800 drwy) IMPERVIOUS DRAINAGE AREA
= 832 cubic feet of runoff retention
= 900 sf BASIN @ 12" DEPTH

CONSTRUCT RAIN GARDEN AFTER CONSTRUCTION & COMPLETE SITE RESTORATION.

THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.

REVISIONS	
DATE	BY
07-15-19	REV1
02-28-20	REV2

ELLENA ENGINEERING CONSULTANTS, LLC
SITE CIVIL ENGINEERING & STORMWATER MANAGEMENT
Ellena Engineering Consultants, LLC • 700 Pilgrim Parkway - Suite 100 • Elm Grove, WI 53122
Phone: 262-719-6183 • Fax: 866-457-2584 • Email: mellena@eeceng.com

FOX LAKE VILLAGE-MULTIFAMILY SITE

Waukesha, Wisconsin

WISCONSIN MARK R. ELLENA E-24090 WALES, WI PROFESSIONAL ENGINEER

MASTER GRADING & DRAINAGE PLAN

SCALE: 1"=50'	JOB NO.:	DATE: 08-14-14
DESIGNED BY: MRE,PE		CHECKED BY:
APPROVED BY: CITY ENGINEER	DATE	SHEET C1