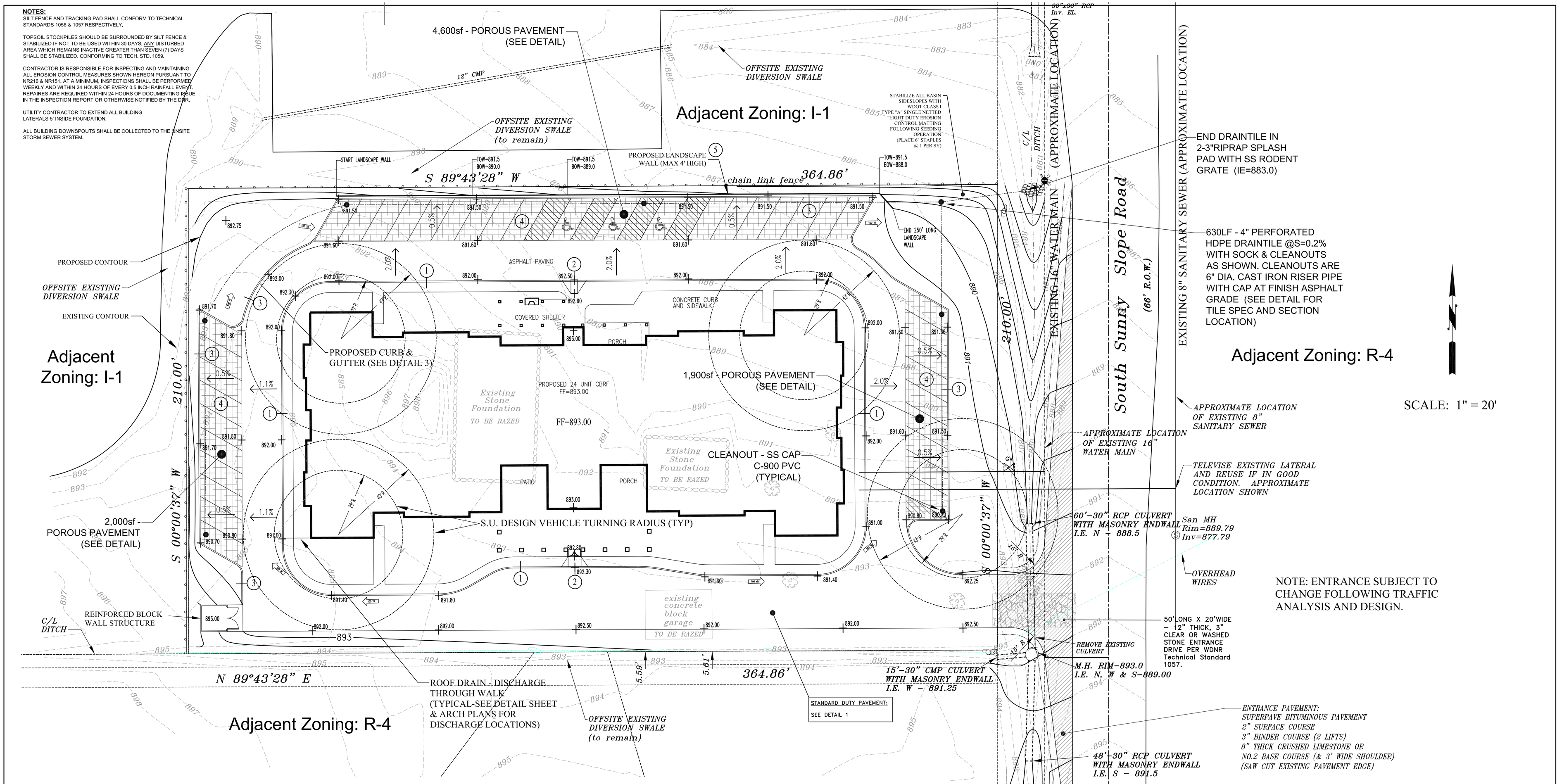
NOTES:
SILT FENCE AND TRACKING PAD SHALL CONFORM TO TECHNICAL STANDARDS 1056 & 1057 RESPECTIVELY.

TOPSOIL STOCKPILES SHOULD BE SURROUNDED BY SILT FENCE & STABILIZED IF NOT TO BE USED WITHIN 30 DAYS. ANY DISTURBED AREA WHICH REMAINS INACTIVE GREATER THAN SEVEN (7) DAYS SHALL BE STABILIZED. CONFORMING TO TECH. STD. 1059.

CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES SHOWN HEREON PURSUANT TO NR216 & NR151. AT A MINIMUM, INSPECTIONS SHALL BE PERFORMED WEEKLY AND WITHIN 24 HOURS OF EVERY 0.5 INCH RAINFALL EVENT. REPAIRES ARE REQUIRED WITHIN 24 HOURS OF DOCUMENTING ISSUE IN THE INSPECTION REPORT OR OTHERWISE NOTIFIED BY THE DNR.

UTILITY CONTRACTOR TO EXTEND ALL BUILDING LATERALS 5' INSIDE FOUNDATION.

ALL BUILDING DOWNSPOUTS SHALL BE COLLECTED TO THE ONSITE STORM SEWER SYSTEM.



NOTE: ENTRANCE SUBJECT TO CHANGE FOLLOWING TRAFFIC ANALYSIS AND DESIGN.

NOTE: REFER TO SHEET C2 FOR DETAILS.

CONSTRUCTION PHASING SEQUENCING:

THE GRADING AND UTILITY CONTRACTORS MUST FOLLOW THE FOLLOWING CONSTRUCTION SEQUENCE AS REQUIRED BY THE WDNR AND THE CITY OF NEW BERLIN.

1. INSTALL GRAVEL CONSTRUCTION ENTRANCE AS SHOWN ON THE PLAN (TRACKING PAD).
2. INSTALL SILT FENCE.
3. STRIP TOPSOIL FROM THE PROPOSED BUILDING AND PARKING LOT AREA AND STOCK PILE WITH EROSION CONTROL PROTECTION IN THE LOCATION APPROVED BY THE BUILDING INSPECTOR. EXCAVATE NORTH AND EAST POROUS PAVEMENT AREAS TO MAINTAIN A MINIMUM DEPTH OF 3 FEET AS TEMPORARY SILT TRAPS DURING CONSTRUCTION. CONSTRUCT BUILDING AND INSTALL LATERALS. POROUS PAVEMENT AREAS SHALL BE RESTRICTED FROM ALL CONSTRUCTION TRAFFIC.
4. STRIP TOPSOIL FROM THE REMAINING CONSTRUCTION AREA (IE., PROPOSED PARKING AREAS) AND HAUL OFFSITE.
5. CONSTRUCT CURBS, WALKS, POROUS PAVEMENT AND REMAINING DRIVE AREAS.
6. REVEGETATE AND STABILIZE ALL DISTURBED AREAS PER PLAN.

NOTE:
SILT FENCE AND TRACKING PAD SHALL CONFORM TO TECHNICAL STANDARDS 1056 & 1057 RESPECTIVELY.

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

TEMPORARY SEED MIX PER WDNR TECHNICAL STANDARD 1059:
Temporary Seeding Species and Rates

Species	Lbs/Acre	Percent Purity
Oats	1311(1)	98
Cereal Rye	1312(2)	97
Winter wheat	1312(2)	95
Annual Ryegrass	802(2)	97

1 Spring and summer seeding
2 Fall seeding

GENERAL CONSTRUCTION SPECIFICATIONS:

1. All work shall be in accordance with the Standard Specifications for Highway and Structure Construction, State of Wisconsin, Latest Edition, and the City of New Berlin Ordinances and/or the Standard Specifications as set forth in the State of Wisconsin Department of Commerse. All permits must be obtain by the contractor prior to commencing work.
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 Technical Standards.
3. All erosion control devices (i.e., silt fence, gravel entrance, 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 shall provide all surveying and construction staking for this contract. All contractors shall exercise care and diligence in protecting the same.
6. The contractor shall notify Diggers Hotline, the local municipality and all government agencies that may be affected by the contractor's operations at least three (3) days before breaking ground.
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 site. Streets shall be kept free of silt or dirt tracked from areas under construction by sweeping at the end of each work day or more often, as required. Dust generated by construction activities shall be minimized by use of watering, calcium chloride surface treatment, construction scheduling or other appropriate methods.
9. Upon completion of the work as specified, respread four (4") inches of salvaged topsoil over all disturbed areas and provide seed, fertilizer and FABRIC per the Standard Specifications.
10. All disturbed areas shall be revegotated within seven days of no disturbance. Highway mix #40 shall be used for seeding with an application rate of 4.0 lbs/1000 sf.
11. All erosion control devices shall be routinely inspected every seven days or within 24 hours of a rainfall greater than 0.5 inches. (By GERERAL CONTRACTOR).
12. If permanent seeding is not completed by September 15, apply temporary seeding (SEE SEED MIX SHOWN ON PLAN). If temporary seeding is not completed by October 15, a WisDOT Type B soil stabilizer shall be applied to inactive disturbed soils between October 15th and May 1st as a temporary soil stabilization measure during the non-growing season. Permanent seeding must be completed by June 1, 2010.

NOTE: ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON THESE PLANS SHALL CONFORM TO CITY OF NEW BERLIN DEVELOPER HANDBOOK, INFRASTRUCTURE DESIGN STANDARDS AND INFRASTRUCTURE SPECIFICATIONS, AND WHERE THE PLANS DO NOT COMPLY, IT SHALL BE THE SOLE RESPONSIBILITY AND COST OF THE DEVELOPER TO MAKE REVISIONS TO PLANS AND/OR CONSTRUCTION INFRASTRUCTURE TO COMPLY AT THE DEVELOPER'S SOLE EXPENSE.

REVISIONS	
DATE	COMMENT
6/18/10	City review rev.
3/12/15	POROUS PAVEMT

EEC. 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

Elizabeth Residence
City of New Berlin, Wisconsin

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

Grading & Erosion Control Plan

SCALE: 1"=20' | DATE: 04/23/10
DESIGNED BY: MRE,PE | PROJECT NO:
APPROVED BY: _____ DATE

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