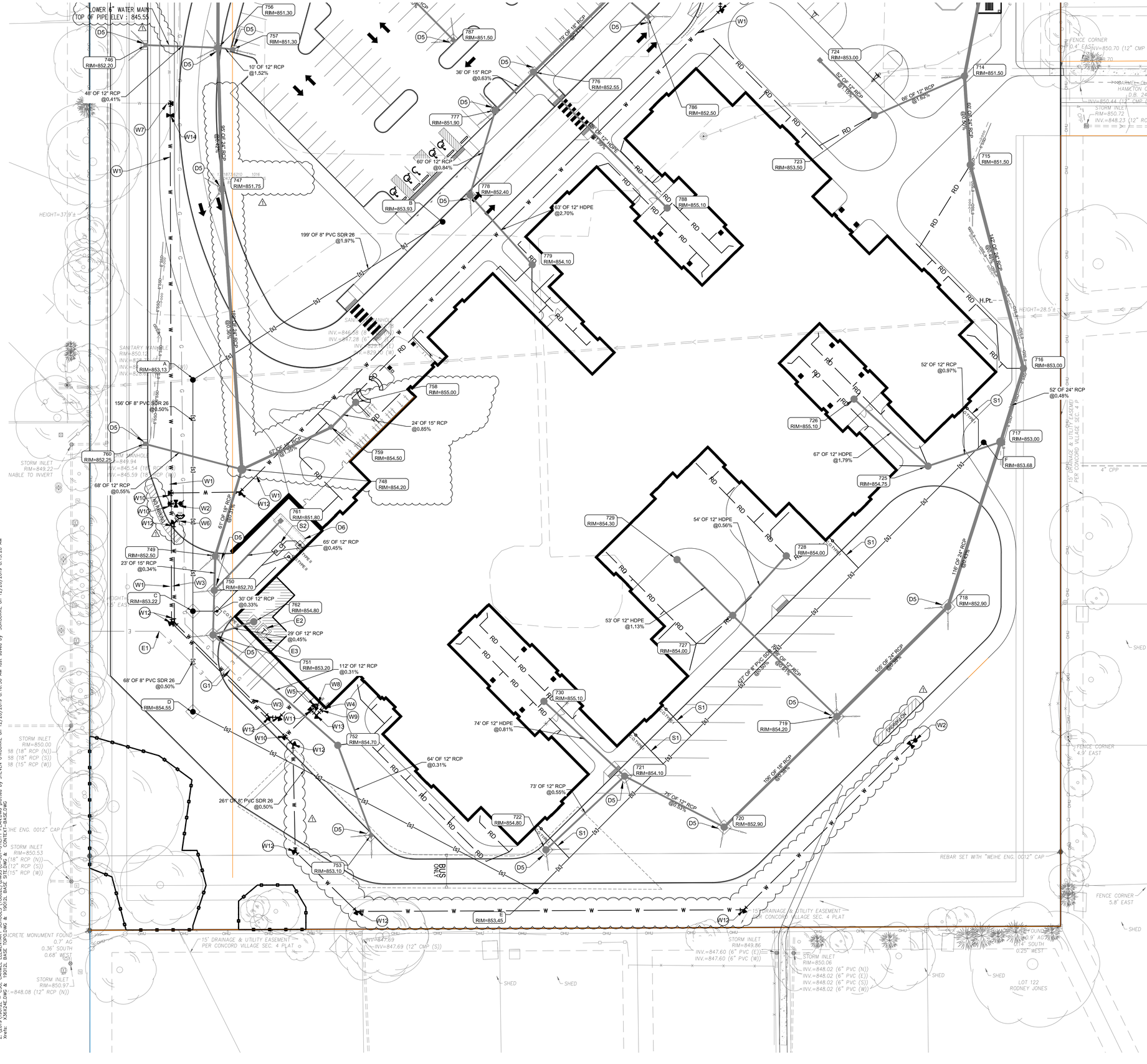

SANITARY PHASING NOTES

THE IMPROVEMENTS RELATED TO THE 15-INCH SANITARY MAIN SHALL BE PHASED AS FOLLOWS:

1. SANITARY MANHOLE A SHALL BE INSTALLED. THIS IS DOGHOUSE MANHOLE WITH TWO DROP CONNECTIONS.

2. THE CONNECTION FROM SANITARY MANHOLE A TO SANITARY MANHOLE B SHALL BE INSTALLED.

3. SANITARY MANHOLE B SHALL BE INSTALLED AND FLOW FROM THE EXISTING CARMEL ELEMENTARY SCHOOL BUILDING SHALL BE REDIRECTED TO THE NEW CONNECTION.

4. THE EXISTING SANITARY MANHOLE AND SERVICE SHALL BE REMOVED COMPLETELY. WHERE REMOVAL OF THE EXISTING SANITARY MANHOLE IS SPECIFIED ATOP THE 15-INCH MAIN AT THE EDGE OF THE BUILDING ENVELOPE, THE CONTRACTOR SHALL COMPLETELY REMOVE THE MANHOLE AND RECONNECT TO THE UPSTREAM AND DOWNSTREAM END OF THE 15" RCP SANITARY MAIN USING PVC SR11 WITH FITTINGS AS SPECIFIED BY CARMEL UTILITIES.

PRIOR TO ANY SANITARY CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH CARMEL UTILITIES. CONTACT JOHN DUFFY (317-571-2451 | JDUFFY@CARMEL.IN.GOV) TO COORDINATE THIS MEETING.

UTILITY KEY NOTE LEGEND

D - DRAINAGE / STORM SEWER

- D1 XCELERATOR XC-5 (SEE DETAIL SHEET C603)
- D1A XCELERATOR XC-6 (SEE DETAIL SHEET C603)
- D2 PROPOSED UNDERGROUND DETENTION BASIN. CONTECH 7' DIA. POLYMER COATED PERFORATED CMP (SEE DETAILS SHEET C607).
- D3 RESTRICTOR AND OVERFLOW STRUCTURE
- D4 REMOVE AND REPLACE EXISTING STORM STRUCTURE TO ALLOW FOR PROPOSED CONNECTION.
- D5 CONCRETE COLLAR (NOT TO SCALE, SEE DETAIL, SHEET C601)
- D6 TRENCH DRAIN (SEE DETAIL SHEET C602)
- D7 CONNECT UNDERGROUND DETENTION SYSTEM TO EXISTING 18" RCP CULVERT (SEE C607)

6-INCH PERFORATED HDPE SUBSURFACE DRAIN

S - SANITARY SEWER

- S1 6" PVC SANITARY LATERAL @ 1.04% MIN. SLOPE. CLEANOUTS ARE REQUIRED EVERY 100-FEET.
- S2 GREASE TRAP (SEE DETAIL, SHEET C606)

W - WATER / FIRE PROTECTION

- W1 6" DIP WATER MAIN
- W2 FIRE HYDRANT W/ 6" MJ GATE VALVE
- W3 6" DIP WATER MAIN TO FIRE DEPARTMENT CONNECTION (FDC)
- W4 4" WATER MAIN DOMESTIC SERVICE CONNECTION (COORDINATE FINAL SIZING W/ MEP PLANS)
- W5 POST INDICATOR VALVE
- W6 FIRE DEPARTMENT CONNECTION PER CARMEL FIRE STANDARDS
- W7 CONNECT TO EXISTING 6" WATER MAIN W/ 6" X 6" X 6" MJ TEE W/ THRUST BLOCK
- W8 6" DIP FIRE SERVICE LINE
- W9 4" MJ GATE VALVE
- W10 6" X 6" X 6" MJ TEE W/ THRUST BLOCK
- W11 6" X 6" X 4" MJ TEE W/ THRUST BLOCK
- W12 6" MJ 45° BEND W/ THRUST BLOCK
- W13 4" MJ 90° BEND W/ THRUST BLOCK
- W14 6" MJ GATE VALVE

T - TELECOM

- T1 FIBER OPTIC & CABLE LINES (BY OWNER)

G - GAS

- G1 GAS CONNECTION. COORDINATE WITH UTILITY OWNER.

E - ELECTRIC

- E1 ELECTRIC SERVICE LINE. CONTRACTOR TO PROVIDE 4-INCH PVC SCHEDULE 40 CONDUIT TO TRANSFORMER
- E2 TRANSFORMER TO BE INSTALLED BY THE UTILITY PROVIDER
- E3 TRANSFORMER PAD TO BE CONSTRUCTED BY SITE CONTRACTOR IN ACCORDANCE WITH UTILITY PROVIDER SPECIFICATIONS.

PROPOSED LINETYPES LEGEND

- STORM SEWER CLEANOUT
- STORM SEWER PIPE
- SANITARY CLEANOUT
- SANITARY LATERAL
- GAS LINE
- ROOF DRAIN
- WATER LINE
- SWALE
- UNDERGROUND CABLE
- TREE PROTECTION FENCE
- SUBSURFACE DRAINS (STRUCTURES)

CARMEL CLAY SCHOOLS
CARMEL, INDIANA

A&F ENGINEERING
Transportation & Site Engineering
Creating Order Since 1966

PROJECT:
NEW ELEMENTARY SCHOOLS FOR CARMEL CLAY SCHOOLS
CARMEL, INDIANA

Scope Drawings:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

Revisions:

Rev. #	Revision Description	Issue Date
1	TAC COMMENTS	12/20/2019

Issue Date	Drawn By	Checked By
11-19-19	SO	MK

Drawing Title:
UTILITY PLAN (SOUTH)

Certified By:
PAUL M. NASHERT REGISTERED No. 11500626 STATE OF INDIANA PROFESSIONAL ENGINEER

Drawing Number:
C503

Project Number:
18094

Z:\2019\19012L - CSO, CARMEL ELEMENTARY SCHOOLS (18092)\DWGS\C-501-UTILITY PLAN.DWG plotted by STEVEN O'ROURKE on 12/20/2019 8:16:50 AM last saved by SOROURKE on 12/20/2019 8:15:28 AM
Xrefs: X56X24E.DWG & 19012L BASE TOPO.DWG & 19012L BASE SITE.DWG & CONTEXT-BASE.DWG