

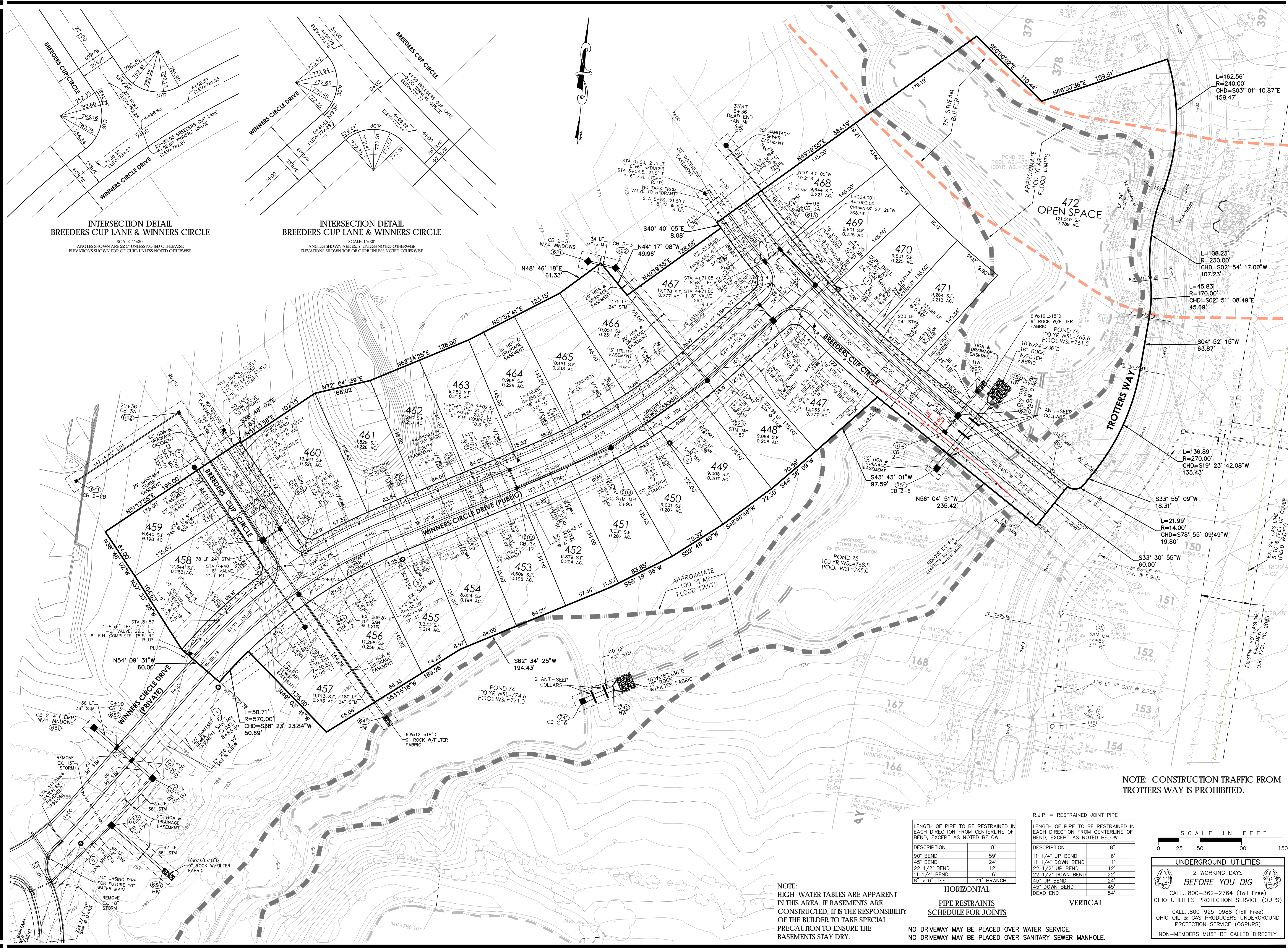
McGill Smith Punshon, Inc.  
 3700 Park 42 Drive • Suite 190B  
 Cincinnati, Ohio 45241-2097  
 Tel 513.759.0004 • Fax 513.563.7099  
 www.mcgillsmithpunshon.com  
 Engineers • Architects • Surveyors  
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Drawn By NAK Project Mgr. RA  
 Drawing File 04476064-IMP-00-SECTION 17

X-Reference  
 Files 04476063-TOP-2014 MAY 14

Date 07/10/17

No.	Revision/Issue	By	Date
1	BCWS COMMENTS	RA	07/21/17
2	STORM SEWER & GRADING	RA	08/31/17



**INTERSECTION DETAIL**  
 BREEDERS CUP LANE & WINNERS CIRCLE  
 SCALE: 1"=30'  
 ANGLES SHOWN ARE 90° UNLESS NOTED OTHERWISE  
 ELEVATIONS SHOWN TOP OF CURB UNLESS NOTED OTHERWISE

**INTERSECTION DETAIL**  
 BREEDERS CUP LANE & WINNERS CIRCLE  
 SCALE: 1"=30'  
 ANGLES SHOWN ARE 90° UNLESS NOTED OTHERWISE  
 ELEVATIONS SHOWN TOP OF CURB UNLESS NOTED OTHERWISE

NOTE:  
 HIGH WATER TABLES ARE APPARENT  
 IN THIS AREA. IF BASEMENTS ARE  
 CONSTRUCTED, IT IS THE RESPONSIBILITY  
 OF THE BUILDER TO TAKE SPECIAL  
 PRECAUTION TO ENSURE THE  
 BASEMENTS STAY DRY.

R.J.P. = RESTRAINED JOINT PIPE

LENGTH OF PIPE TO BE RESTRAINED IN EACH DIRECTION FROM CENTERLINE OF BEND, EXCEPT AS NOTED BELOW

DESCRIPTION	8"
90° BEND	59'
45° BEND	24'
22 1/2° BEND	12'
11 1/4° BEND	6'
8" x 6" TEE	41' BRANCH

**HORIZONTAL**  
**PIPE RESTRAINTS**  
**SCHEDULE FOR JOINTS**

LENGTH OF PIPE TO BE RESTRAINED IN EACH DIRECTION FROM CENTERLINE OF BEND, EXCEPT AS NOTED BELOW

DESCRIPTION	8"
11 1/4° UP BEND	6'
11 1/4° DOWN BEND	11'
22 1/2° UP BEND	12'
22 1/2° DOWN BEND	22'
45° UP BEND	24'
45° DOWN BEND	45'
DEAD END	54'

**VERTICAL**

SCALE IN FEET  
 0 25 50 100 150

**UNDERGROUND UTILITIES**  
 2 WORKING DAYS  
**BEFORE YOU DIG**  
 CALL...800-362-2764 (Toll Free)  
 OHIO UTILITIES PROTECTION SERVICE (OUPS)  
 CALL...800-925-0988 (Toll Free)  
 OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OOGUPS)  
 NON-MEMBERS MUST BE CALLED DIRECTLY

NOTE: CONSTRUCTION TRAFFIC FROM TROTTERS WAY IS PROHIBITED.

NO DRIVEWAY MAY BE PLACED OVER WATER SERVICE.  
 NO DRIVEWAY MAY BE PLACED OVER SANITARY SEWER MANHOLE.

**WINDING CREEK  
 SECTION SEVENTEEN  
 AKA CARRIAGE HILL  
 SECTION SEVENTEEN**

SECTION 2, TOWN 2, RANGE 3  
 LIBERTY TOWNSHIP  
 BUTLER COUNTY, OHIO

Sheet Title  
**IMPROVEMENT PLAN**  
 Project No. 04476.06  
 Scale 1"=50'  
 Sheet No. 2/10  
 File No. 04-476



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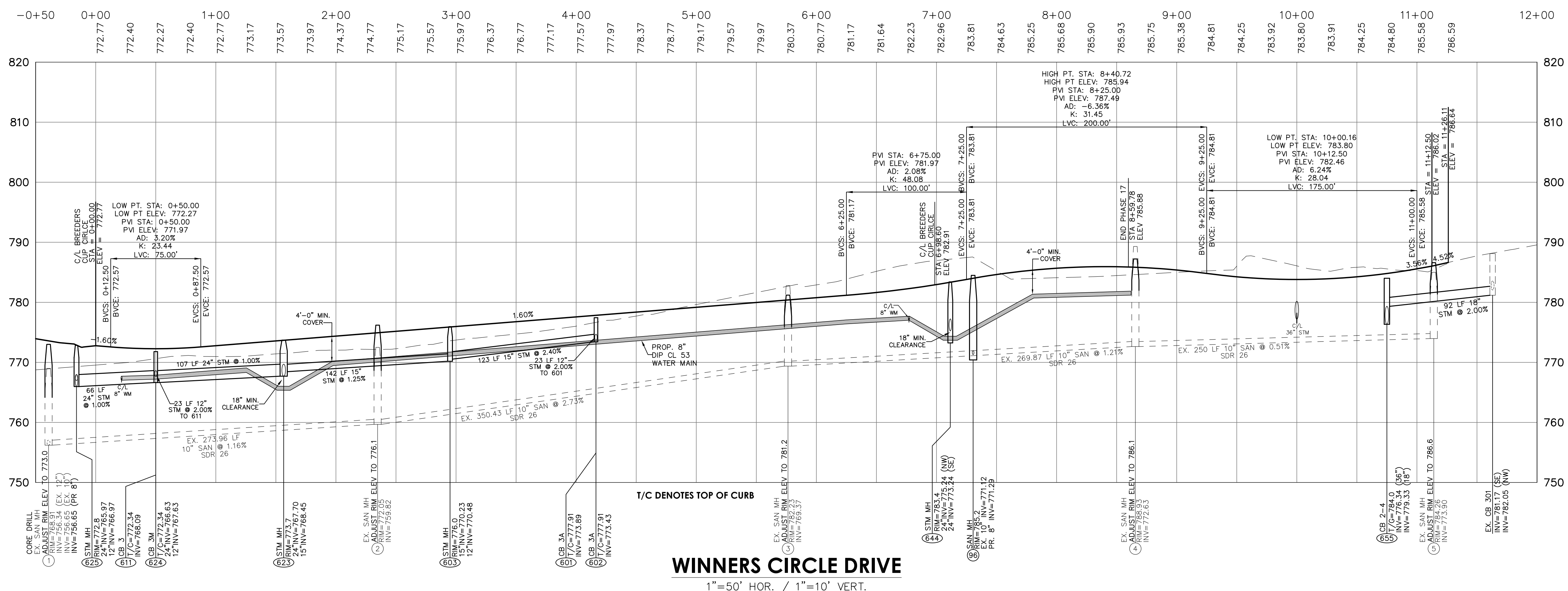
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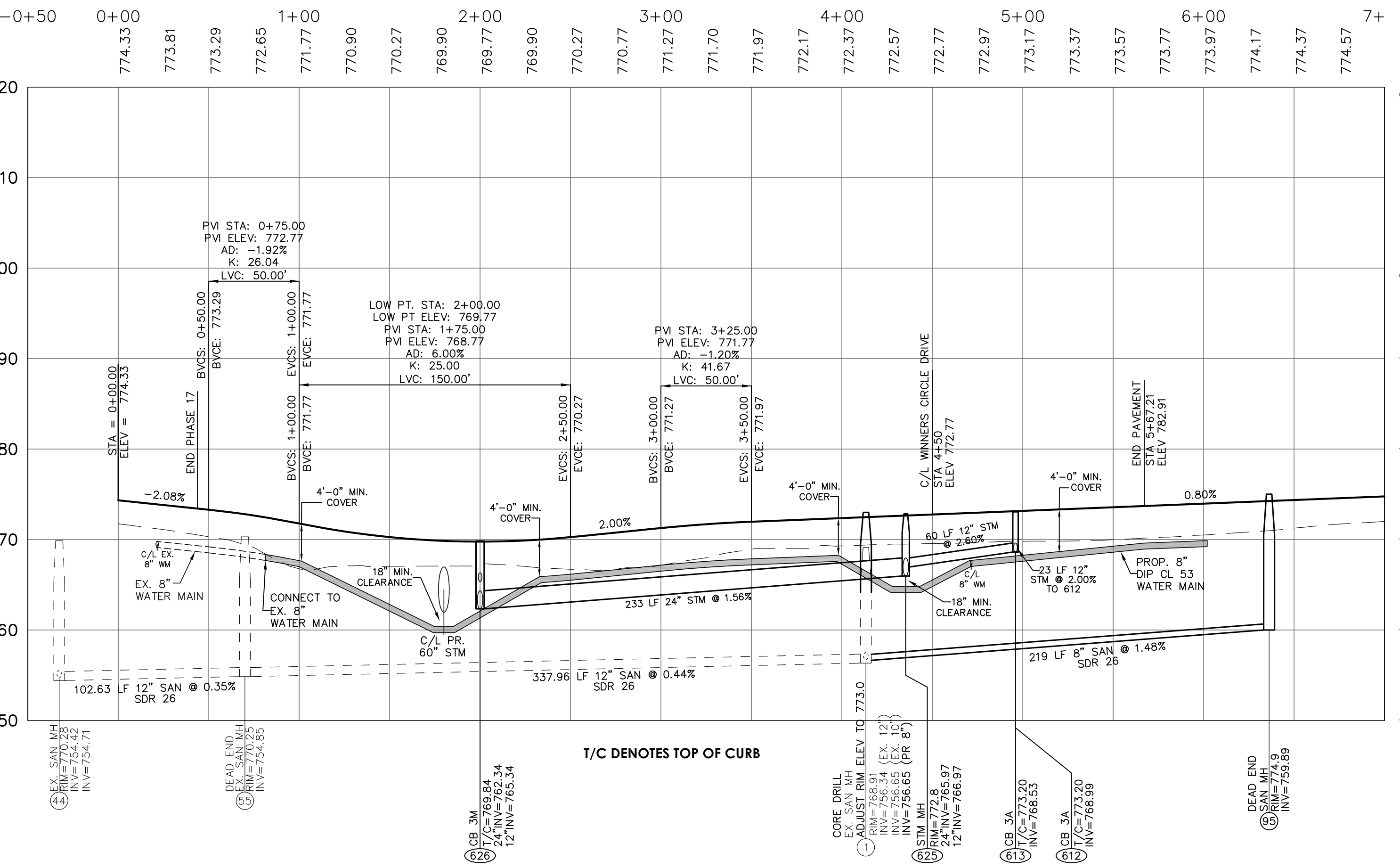
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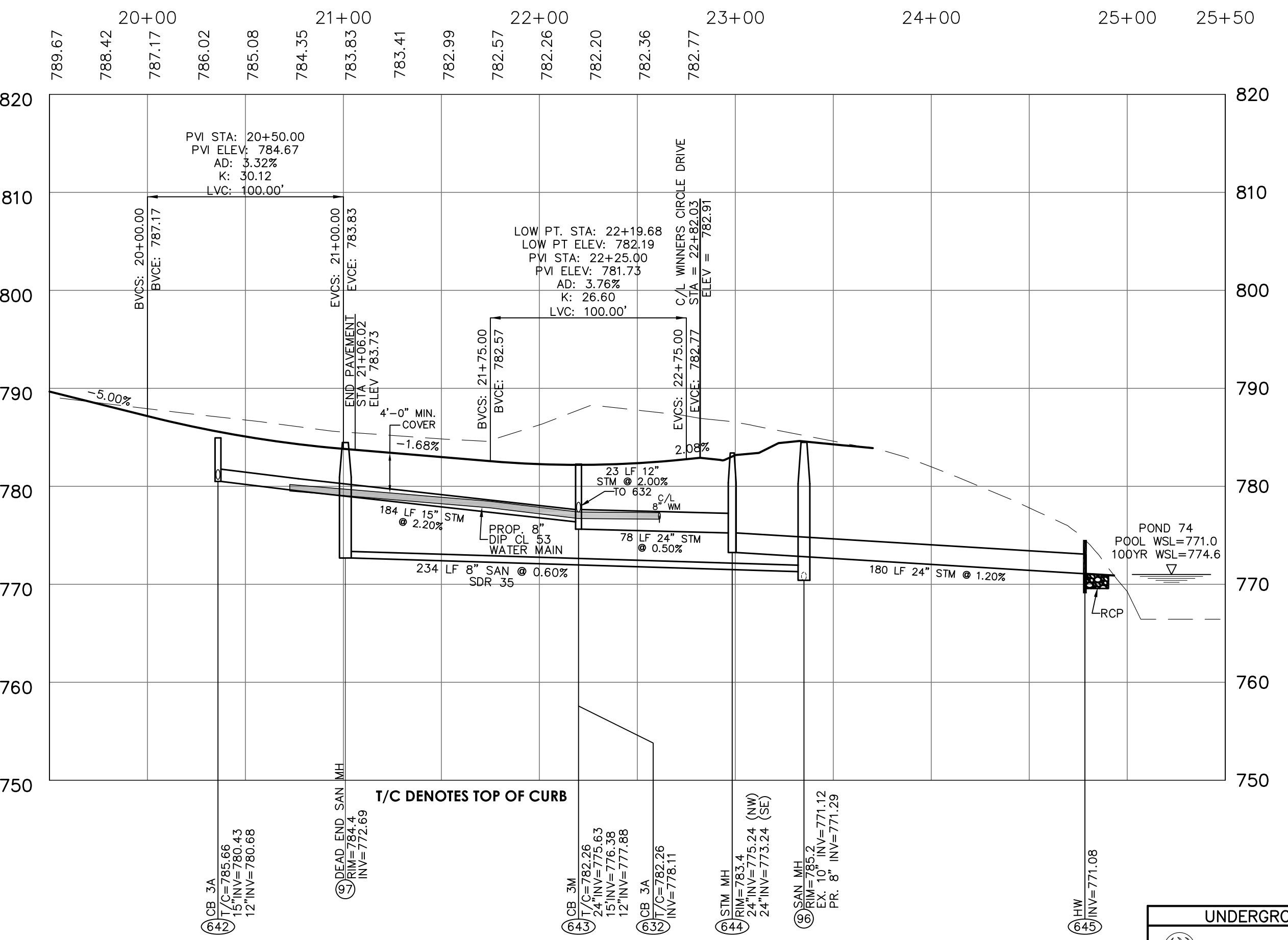
**WINNERS CIRCLE DRIVE**

1"=50' HOR. / 1"=10' VERT.



**BREEDERS CUP CIRCLE**

1"=50' HOR. / 1"=10' VERT.



**WINDING CREEK SECTION SEVENTEEN  
 AKA CARRIAGE HILL  
 SECTION SEVENTEEN**

SECTION 2, TOWN 2, RANGE 3  
 LIBERTY TOWNSHIP  
 BUTLER COUNTY, OHIO

Sheet Title

Project No. 04476.06

Scale 1"=50'

Sheet No. 5/10

File No. 04-476

**UNDERGROUND UTILITIES**

2 WORKING DAYS BEFORE YOU DIG

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 OHIO UTILITIES PROTECTION SERVICE (OUPS)

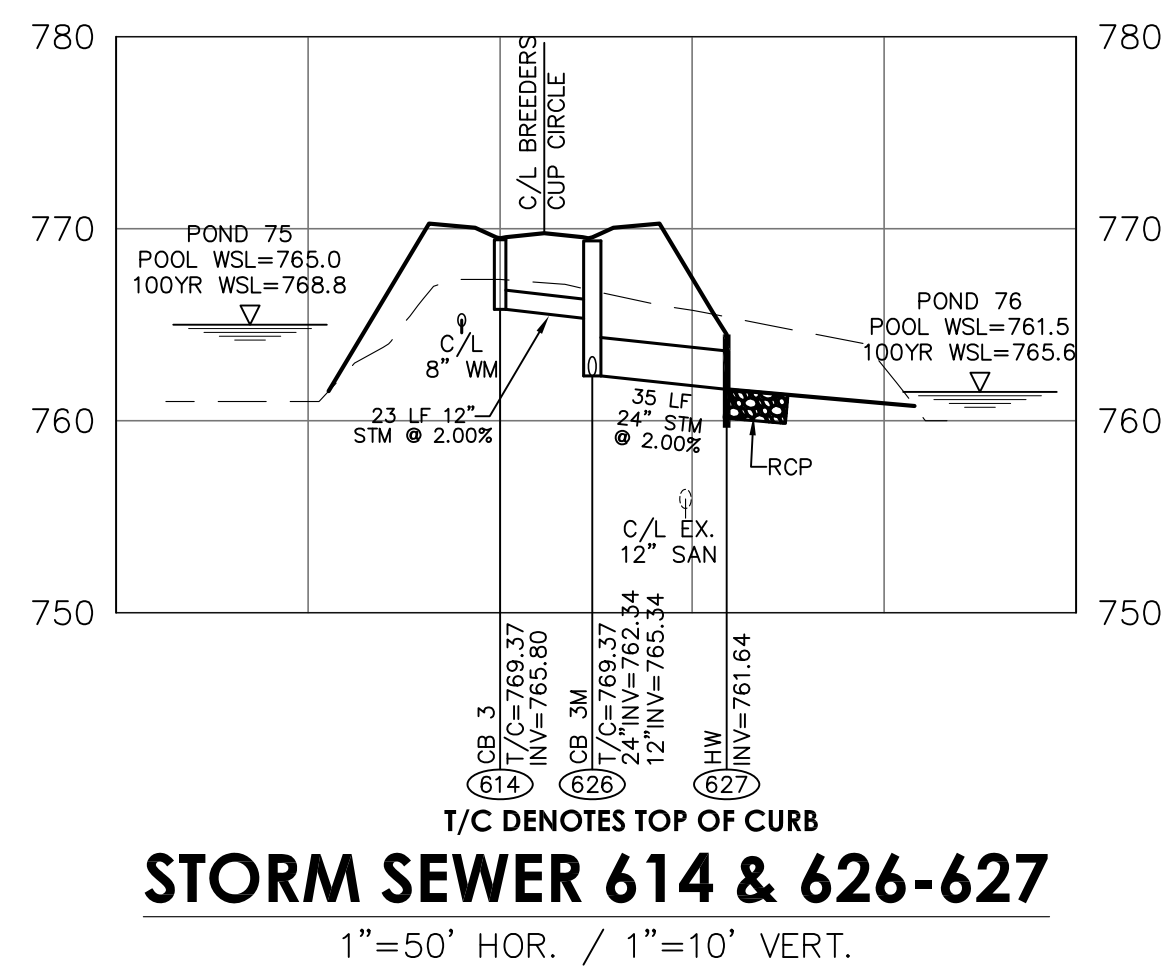
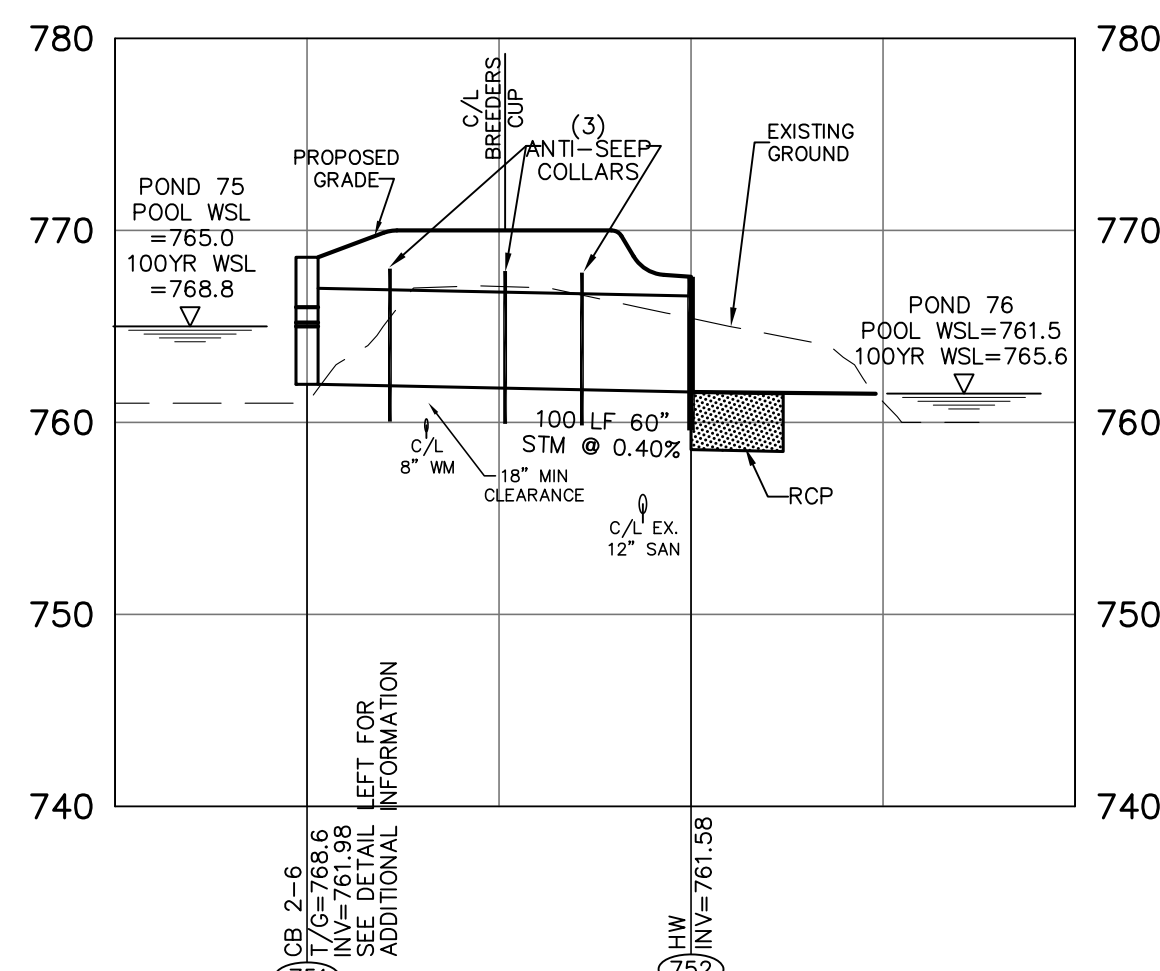
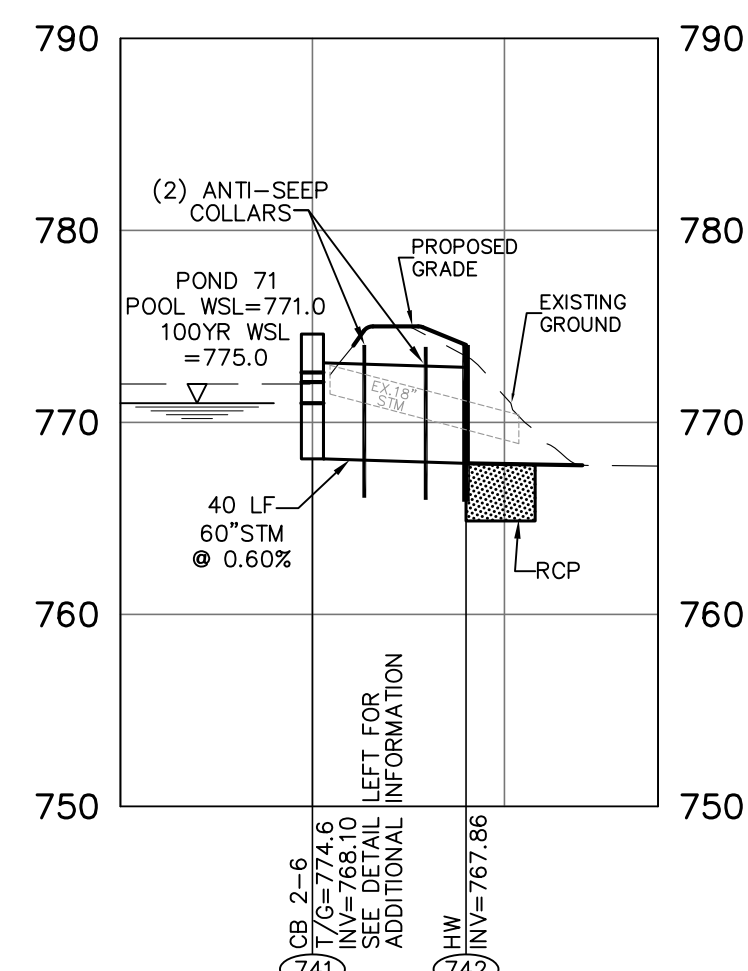
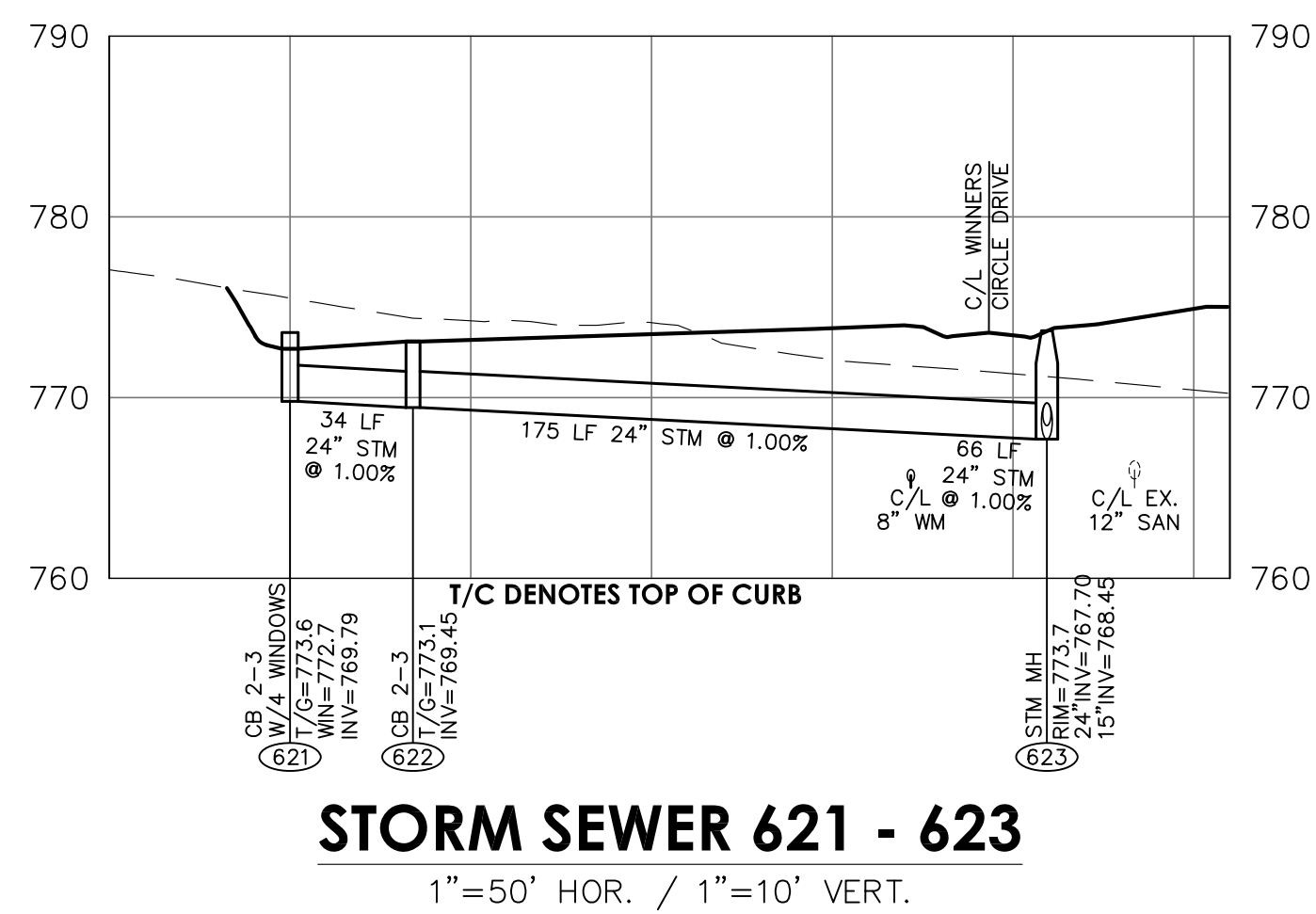
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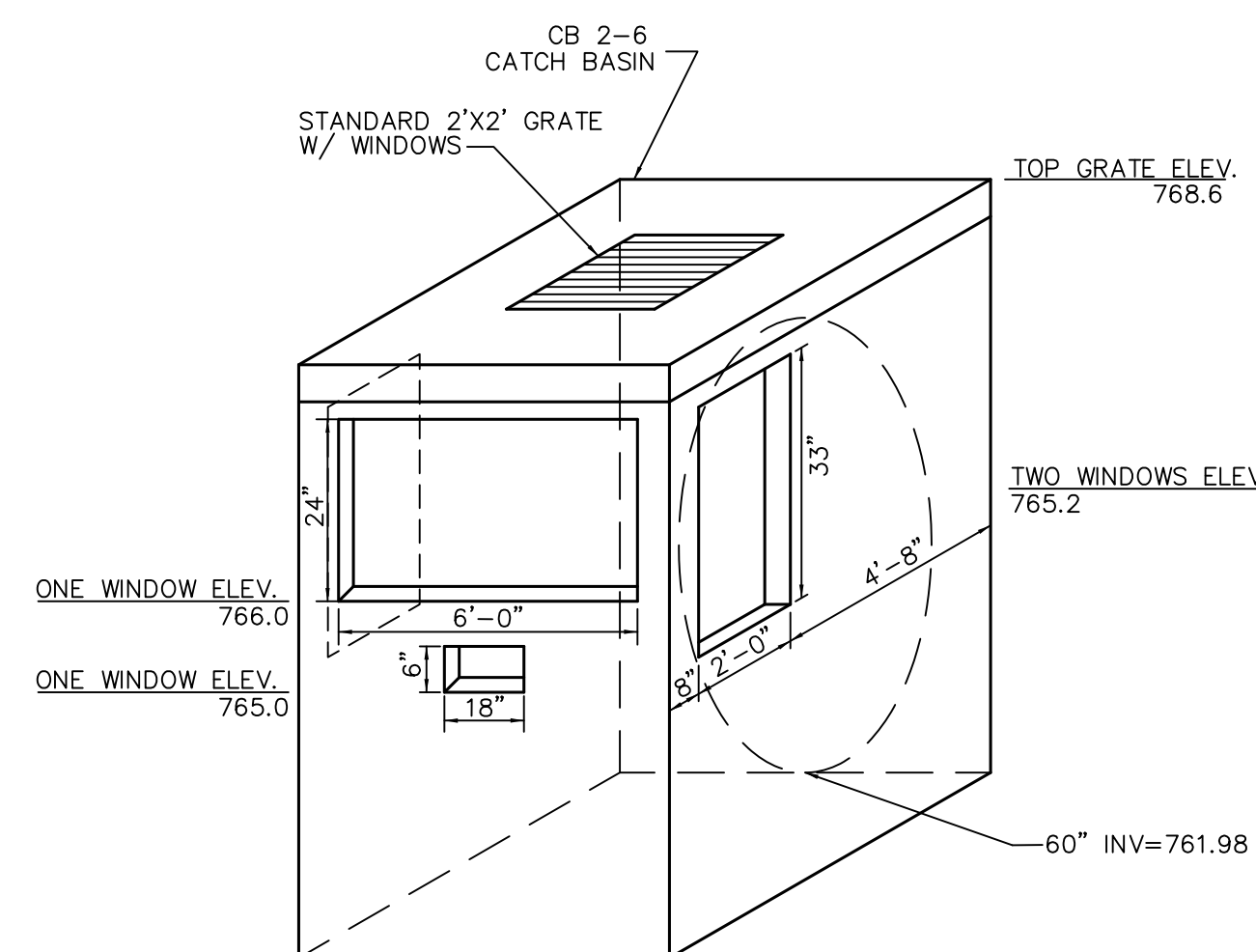
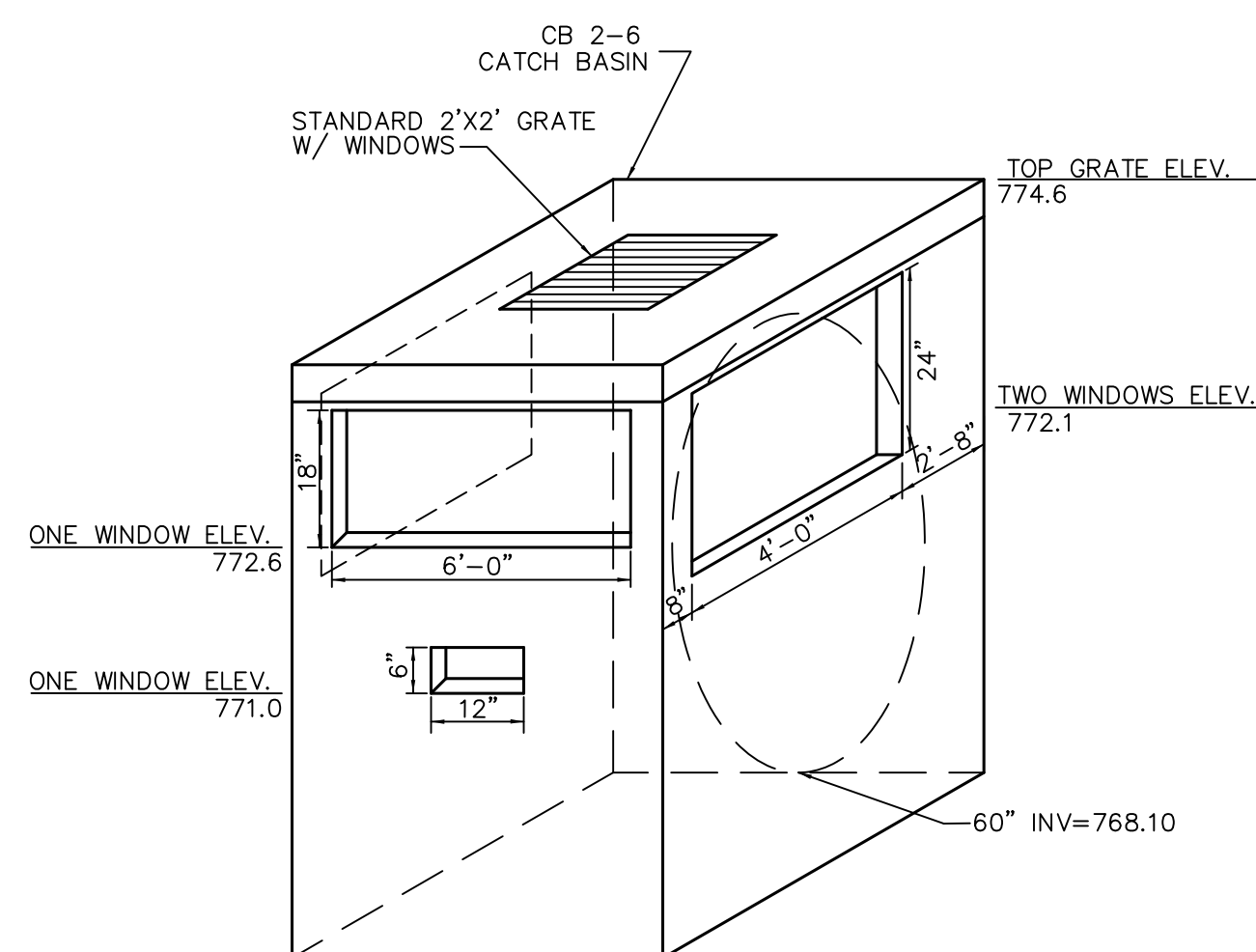
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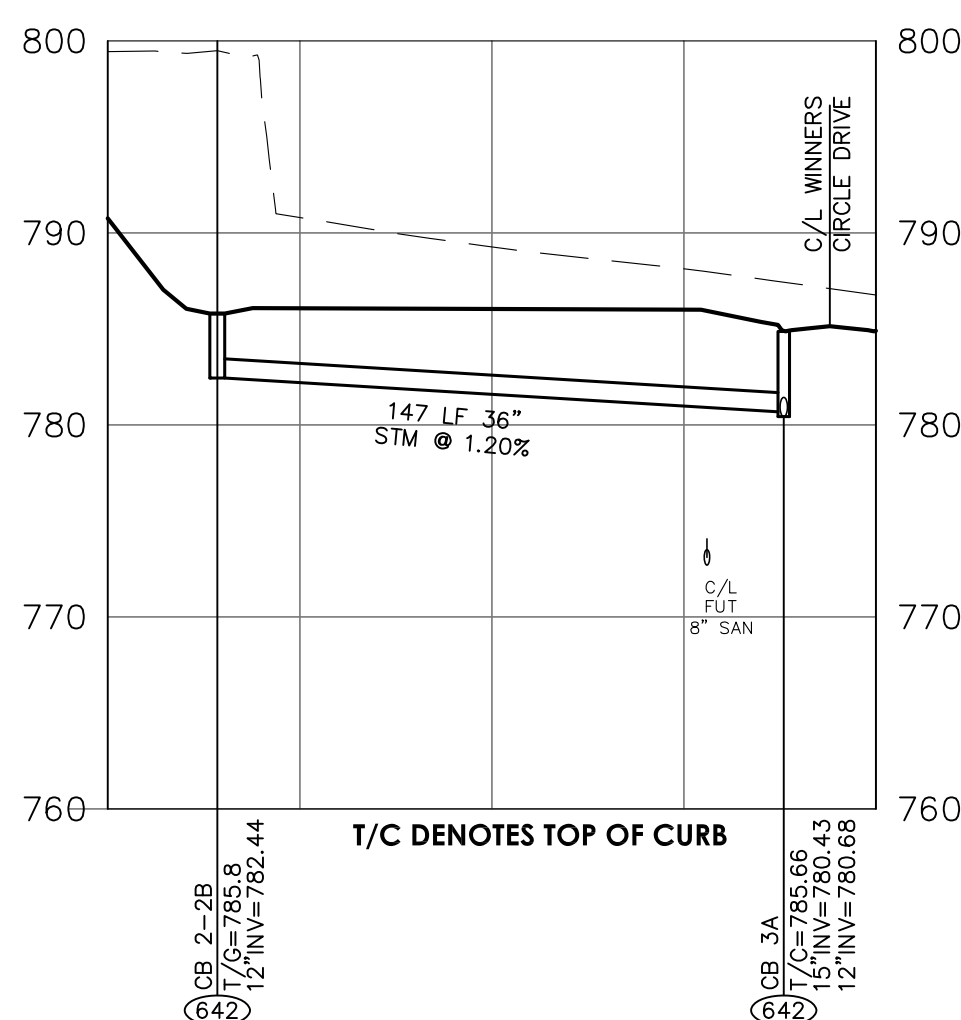
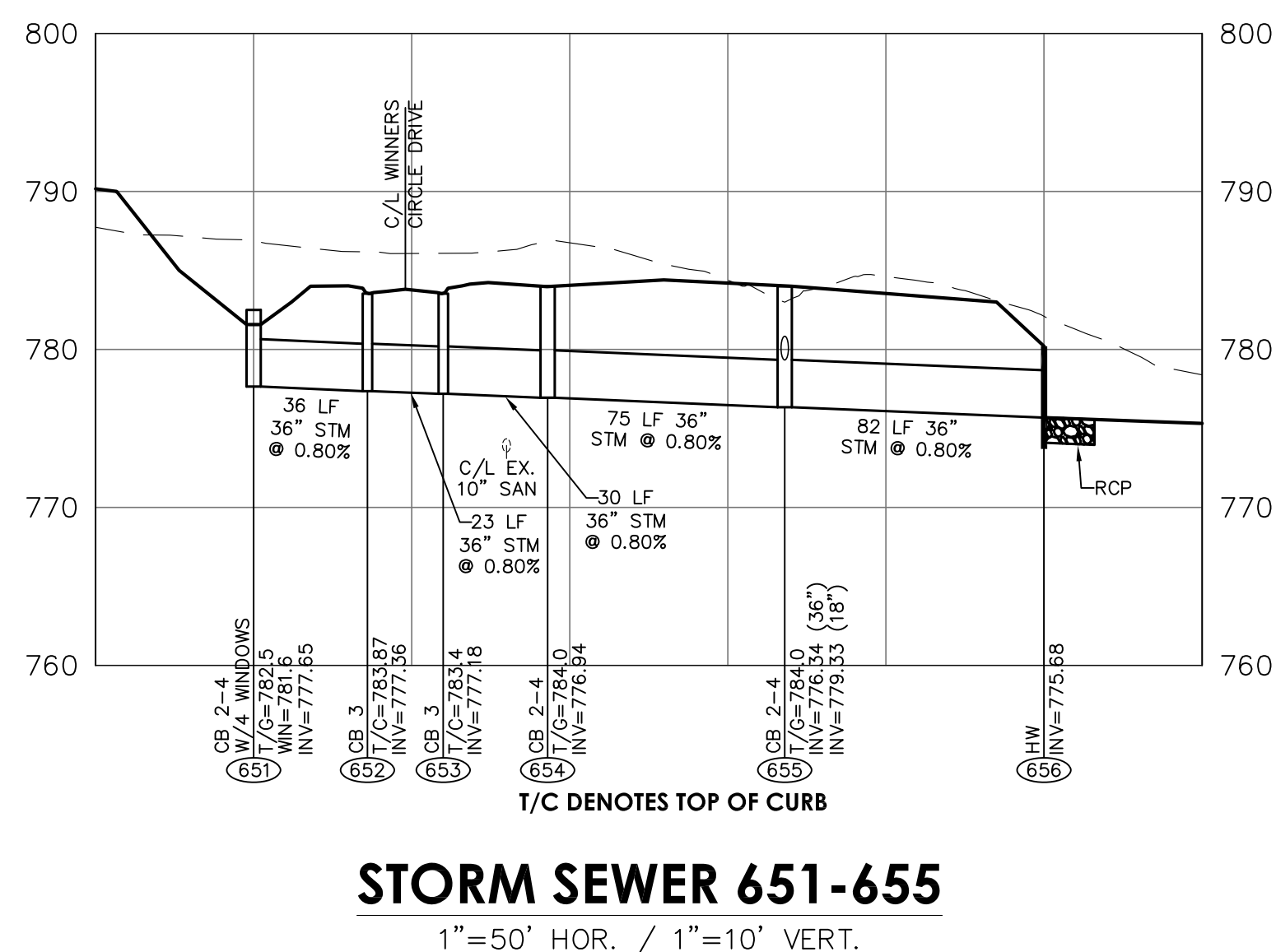
**STORM SEWER 741 & 742**  
 1"=50' HOR. / 1"=10' VERT.

**STORM SEWER 751 & 752**  
 1"=50' HOR. / 1"=10' VERT.



RETENTION/DETENTION POND 74  
 RELEASE STRUCTURE 741  
 NOT TO SCALE

RETENTION/DETENTION POND 75  
 RELEASE STRUCTURE 751  
 NOT TO SCALE



**STORM SEWER 641-642**  
 1"=50' HOR. / 1"=10' VERT.

**WINDING CREEK**  
**SECTION SEVENTEEN**  
**AKA CARRIAGE HILL**  
**SECTION SEVENTEEN**  
 SECTION 2, TOWN 2, RANGE 3  
 LIBERTY TOWNSHIP  
 BUTLER COUNTY, OHIO

Sheet Title  
 PROFILES & DETAILS  
 Project No. 04476.06  
 Scale 1"=50'  
 Sheet No. 6/10  
 File No. 04-476

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