

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CINCINNATI BELL  
221 E. 4TH ST, BLDG. 121-900  
CINCINNATI, OH 45201  
(513) 566-3154 (DERRICK BROWN)  
DERRICK.BROWN@CINBELL.COM

CINCINNATI BELL - AERIAL & PLACING  
209 W. 7TH ST, BLDG 121-900  
CINCINNATI, OH 45202  
513-565-6014 (ROBERT STROCHINSKY)  
ROBERT.STROCHINSKY@CINBELL.COM

DUKE ENERGY - ELECTRICAL (DISTRIBUTION)  
2010 DANA AVE  
CINCINNATI, OH 45207  
513-458-3855 (CHRIS TEPE)  
CHRIS.TEPE@DUKE-ENERGY.COM

DUKE ENERGY - GAS  
139 EAST 4TH ST, ROOM 460A  
CINCINNATI, OH 45202  
513-287-2517 (MARK BRANSCUM)  
MARK.BRANSCUM@DUKE-ENERGY.COM

CENTURYLINK  
20 NORTH MECHANIC ST  
LEBANON, OH 45036  
513-885-9444 (JORDAN LANGSTON)  
JORDAN.LANGSTON@CENTURYLINK.COM  
RELO@CENTURYLINK.COM

WARREN COUNTY WATER & SEWER  
406 JUSTICE DRIVE  
LEBANON, OH 45036  
513-695-1377 (CHRIS BRAUSCH)  
CHRIS.BRAUSCH@CO.WARREN.OH.US

CHARTER COMMUNICATIONS  
10920 KENWOOD ROAD  
BLUE ASH, OH 45242  
513-386-5499 (KENT RIEGER)  
KENT.RIEGER@CHARTER.COM

WESTERN WATER COMPANY  
1775 SR 28  
GOSHEN, OH 45122  
513-899-3211 EXT. 22 (KURT MEEKER)  
KMEEKER@WESTERN-H2O.COM

GREATER CINCINNATI WATER WORKS  
4747 SPRING GROVE AVENUE  
CINCINNATI, OH 45232  
513-591-5056 (JON HUNSEDER)  
JON.HUNSEDER@GCWW.CINCINNATI-OH.GOV

INDEPENDENTS FIBER NETWORK/COM  
13888 S. DIXIE DRIVE  
WAPAKONETA, OH 45895  
419-739-3124 (SARAH EMANS)  
SEMANS@CNITEAM.COM

LITTLE MIAMI SCHOOL DISTRICT  
95 E. US 22&3  
MAINEVILLE, OH 45039  
513-869-4751 (MARC HOPKINS)  
MARC@SWOCA.NET

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET \_2\_ OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

**PROJECT CONTROL**

POSITIONING METHOD: STATIC OPUS SOLUTION AND VRS  
MONUMENT TYPE: IRON PINS

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: GEOID12A MOUNT POINT 2011

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83 (NSR2011)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE (SPC 3402)  
COMBINED SCALE FACTOR: 1.000000 (GROUND TO GRID)  
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**CLEARING AND GRUBBING**

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	1	1	2
30"	1	1	2

**REMOVAL OF PAVEMENT MARKINGS**

THE ESTIMATED QUANTITY OF FEET FOR REMOVAL OF PAVEMENT MARKINGS SHALL INCLUDE, BUT NOT BE LIMITED TO, CENTER LINE, EDGE LINE, LANE LINE, CHANNELIZING LINE, TRANSVERSE LINE, CROSSWALK LINE, AND STOP LINE.

THE ESTIMATED QUANTITY OF EACH FOR REMOVAL OF PAVEMENT MARKING SHALL INCLUDE, BUT NOT BE LIMITED TO, LANE ARROWS, WORD ON PAVEMENT, SYMBOL MARKINGS, AND ISLAND MARKINGS.

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL 571 CU. YD.

659, SEEDING AND MULCHING 5140 SQ. YD.

659, REPAIR SEEDING AND MULCHING 257 SQ. YD

659, COMMERCIAL FERTILIZER 0.69 TON

659, LIME 1.06 ACRES

659, WATER 27.8 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**ITEM SPECIAL - MAILBOX REMOVED AND RESET**

THE CONTRACTOR SHALL REMOVE THE EXISTING MAILBOX AND POST FOR STORAGE ON SITE. THE MAILBOX AND POST SHALL THEN BE RE-ERECTED AS DIRECTED BY THE ENGINEER IN ITS ORIGINAL LOCATION. CARE SHALL BE TAKEN AT ALL TIMES TO ENSURE THAT THE ITEMS ARE NOT DAMAGED AND THE RE-ERECTED MAILBOX SHALL BE STURDY AND WELL SET.

**ITEM 202 - REMOVAL MISC.: BOLLARD**

THIS WORK CONSISTS OF REMOVING AND DISPOSING ALL CONCRETE BOLLARDS AROUND EXISTING WATER METER VAULT ALONG US 22, AND BACKFILLING THE REMAINING CAVITY WITH EMBANKMENT.

**ITEM 202 - REMOVAL MISC.: WOOD POST**

THIS WORK CONSISTS OF REMOVING THE EXISTING WOOD POST AND ADDRESS SIGN ALONG ZOAR ROAD, AND BACKFILLING THE REMAINING CAVITY WITH EMBANKMENT.

**RUNNING BUFFALO CLOVER**

THE PROJECT AREA WAS SURVEYED FOR RUNNING BUFFALO CLOVER (*Trifolium stoloniferum*). NO INDIVIDUALS OF THE SPECIES WERE OBSERVED DURING THE SURVEY, BUT SUITABLE HABITAT WAS FOUND TO BE PRESENT WITHIN THE CONSTRUCTION LIMITS. IF THIS SPECIES IS ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION OPERATIONS, ALL CONSTRUCTION OPERATIONS WILL TEMPORARILY CEASE, AND THE PROJECT ENGINEER WILL NOTIFY THE DISTRICT ENVIRONMENTAL COORDINATOR TO RE-INITIATE CONSULTATION FOR THIS SPECIES.

**ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN**

THIS ITEM SHALL FOLLOW ITEM 606 - GUARDRAIL, TYPE MGS EXCEPT THAT THE HEIGHT OF THE RAIL SHALL BE 30".

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN**

THIS ITEM SHALL FOLLOW ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE T EXCEPT THAT THE HEIGHT OF THE RAIL SHALL BE 30".

**ITEM 605 - AGGREGATE DRAINS**

AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS ON THE RIGHT SIDE OF THE ROADWAY. AGGREGATE DRAINS SHALL BE PLACED AT THE STATIONS NOTED BELOW.

STATION	LENGTH
STA. 394+50	10 FT
STA. 396+00	10 FT
STA. 396+50	10 FT
STA. 397+00	10 FT
STA. 397+50	10 FT
STA. 398+00	10 FT
STA. 398+50	10 FT
STA. 399+00	10 FT

TOTAL = 80 FT (CARRIED TO GENERAL SUMMARY)

**WATER WORKS ITEMS**

ALL WATER WORK ITEMS SHOWN ON THE GENERAL SUMMARY SHALL FOLLOW THE GREATER CINCINNATI WATER WORKS AND WARREN COUNTY WATER AND SEWER SPECIFICATIONS, RESPECTIVELY.

**ITEM SPECIAL - WATER MAIN DIP CLASS 52 MECHANICAL JOINTS AND FITTINGS**

THIS WORK CONSISTS OF ALL ITEMS PER CMS 638.01 AND SHALL FOLLOW GREATER CINCINNATI WATER WORKS AND WARREN COUNTY WATER AND SEWER SPECIFICATIONS.

**REFERENCE MONUMENTS AND MONUMENT ASSEMBLY**

CONSTRUCT REFERENCE MONUMENTS IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 58.

A TOTAL QUANTITY OF 7 REFERENCE MONUMENTS AND 1 MONUMENT ASSEMBLY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

**ENDANGERED BAT HABITAT REMOVAL**

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

**ITEM 202 - REMOVAL MISC.: ROCK WALL**

THIS WORK CONSISTS OF REMOVING AND DISPOSING OF THE ROCK WALL ON THE CORNER OF THE INTERSECTION OF US 22 AND ZOAR ROAD, AND BACKFILLING THE REMAINING CAVITY WITH EMBANKMENT.

CALCULATED  
LWB  
CHECKED  
JDO

GENERAL NOTES

WAR-22-7.12

7  
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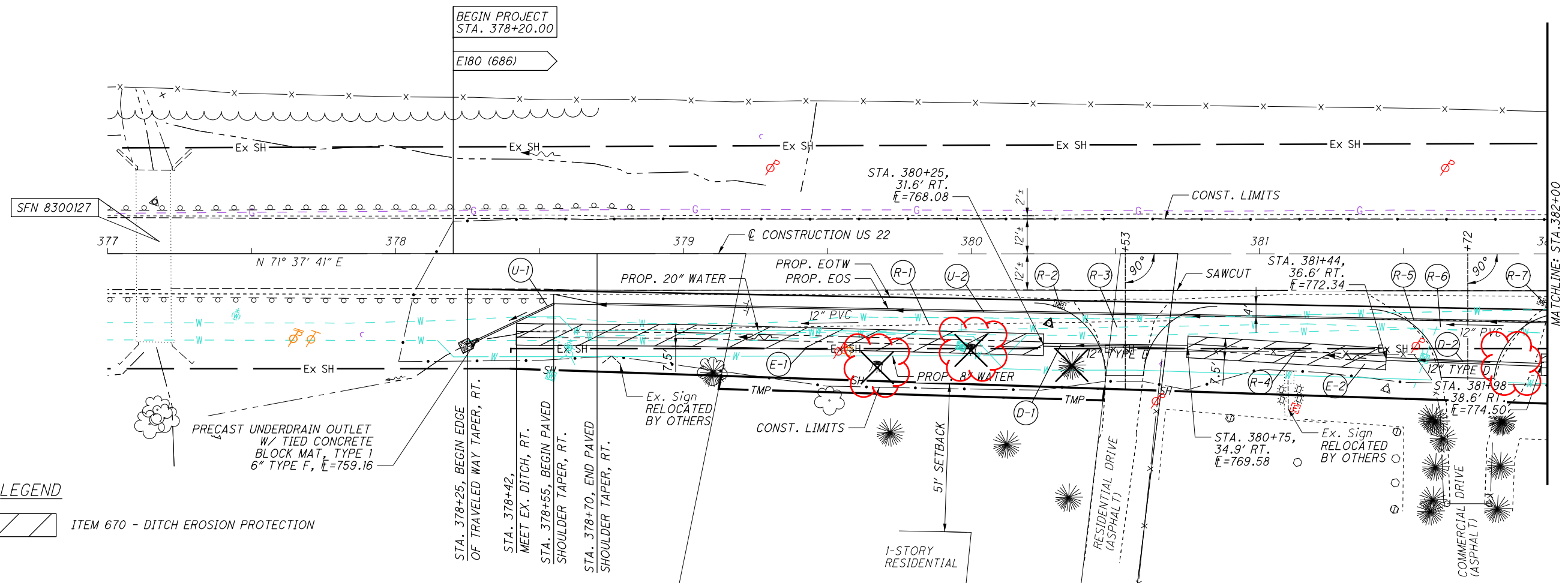
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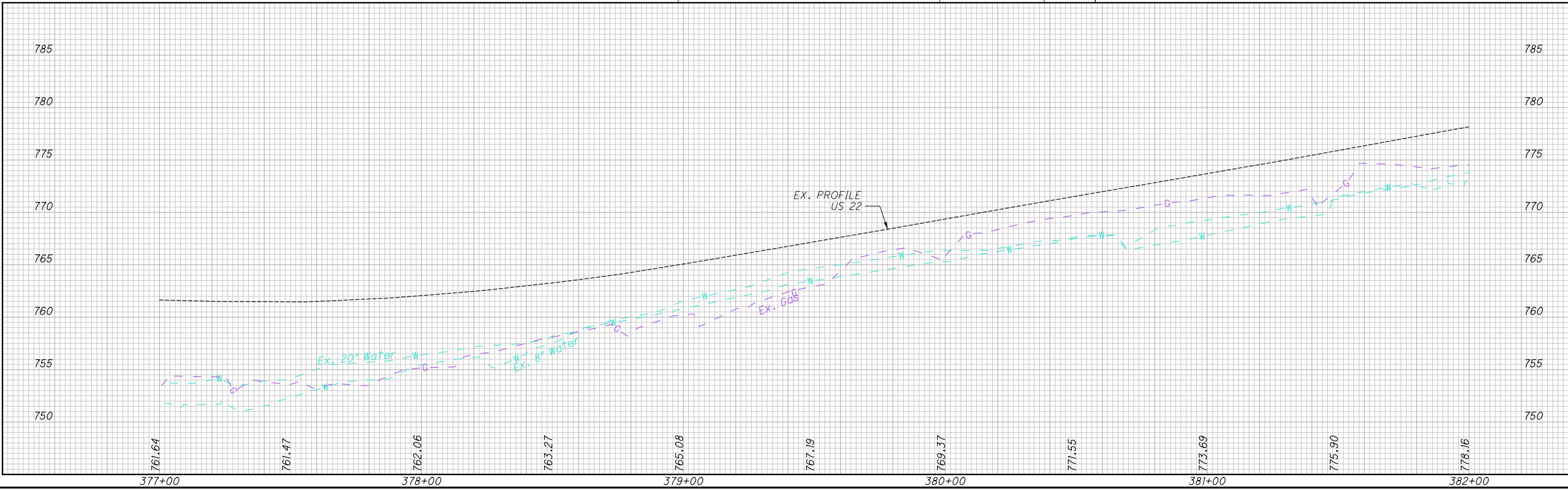
**PLAN AND PROFILE - US 22**  
**STA. 377+00.00 TO STA. 382+00.00**

**WAR-22-7.12**



**LEGEND**

ITEM 670 - DITCH EROSION PROTECTION



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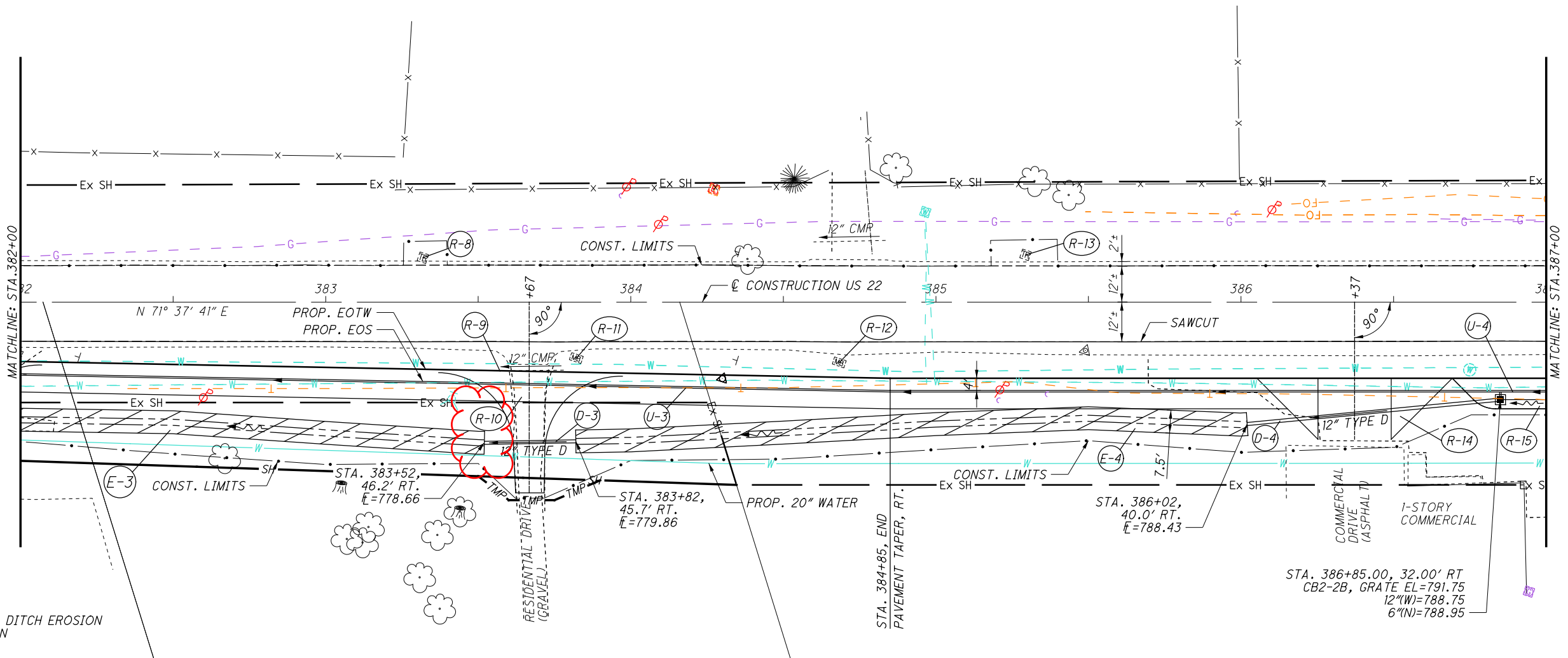


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**PLAN AND PROFILE - US 22**  
**STA. 382+00.00 TO STA. 387+00.00**

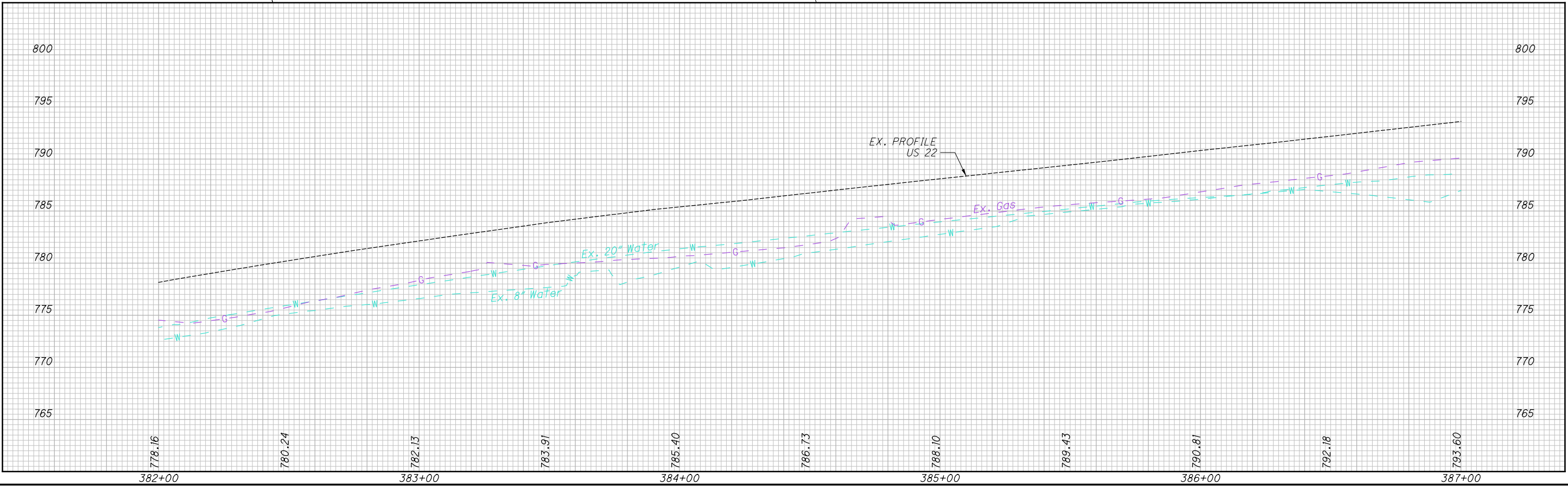
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**LEGEND**

ITEM 670 - DITCH EROSION PROTECTION



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