

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

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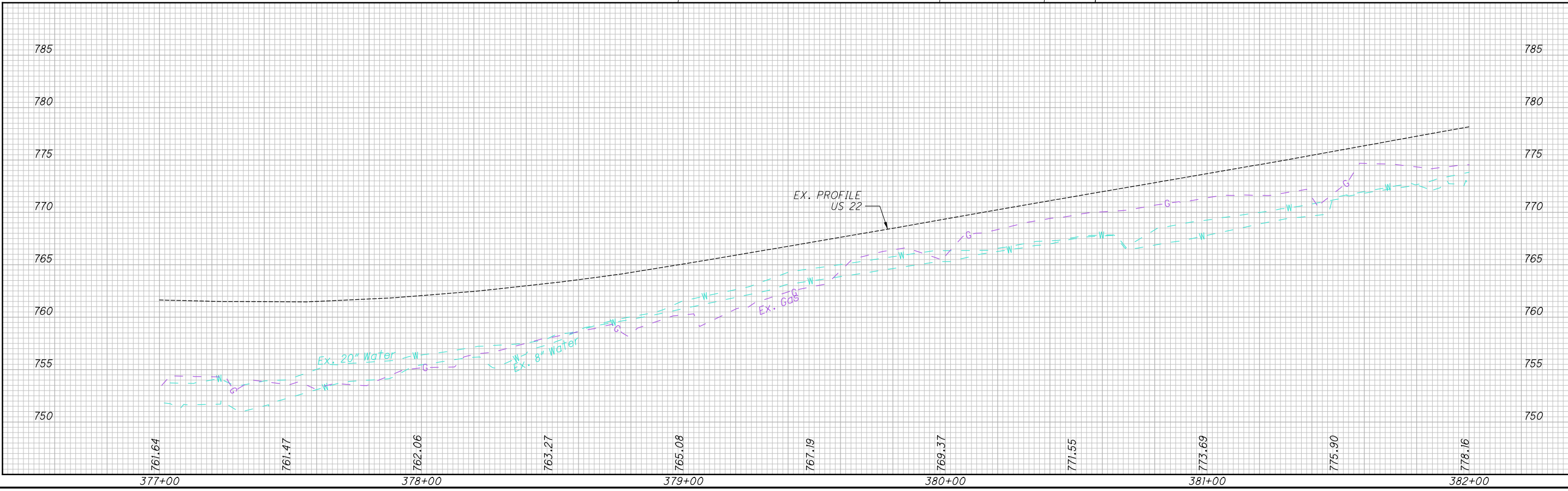
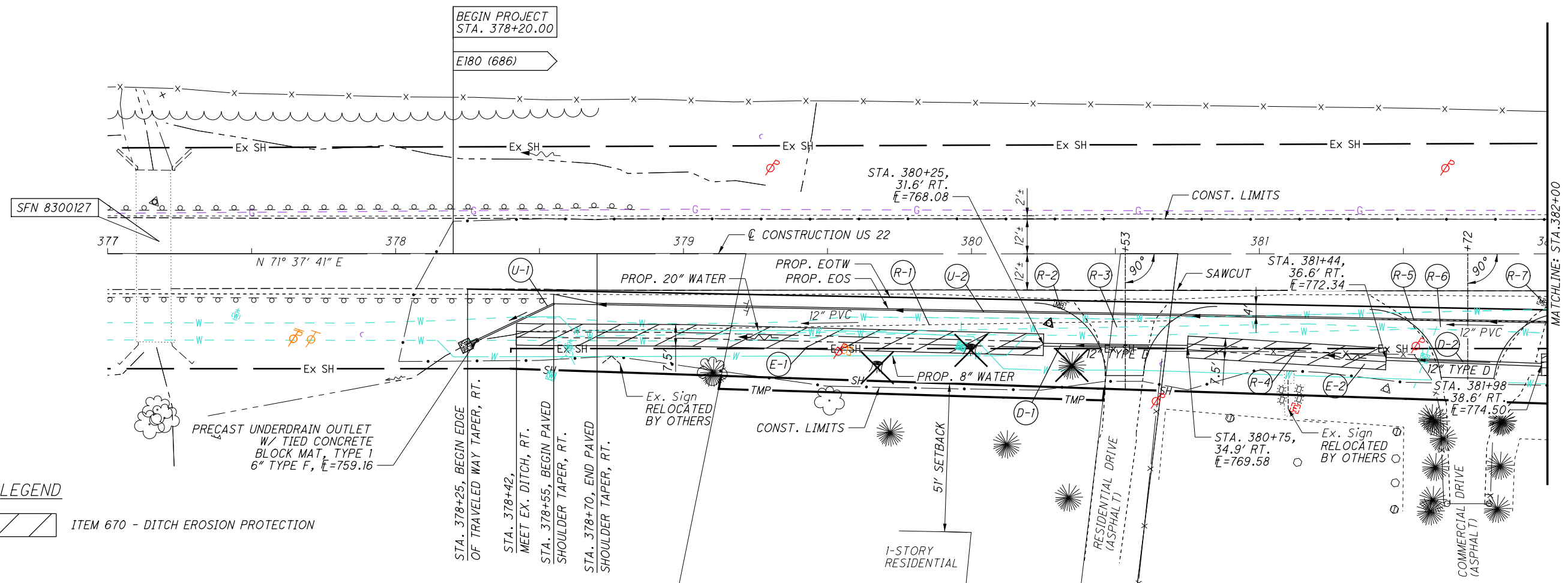
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PLAN AND PROFILE - US 22
STA. 377+00.00 TO STA. 382+00.00

WAR-22-7.12



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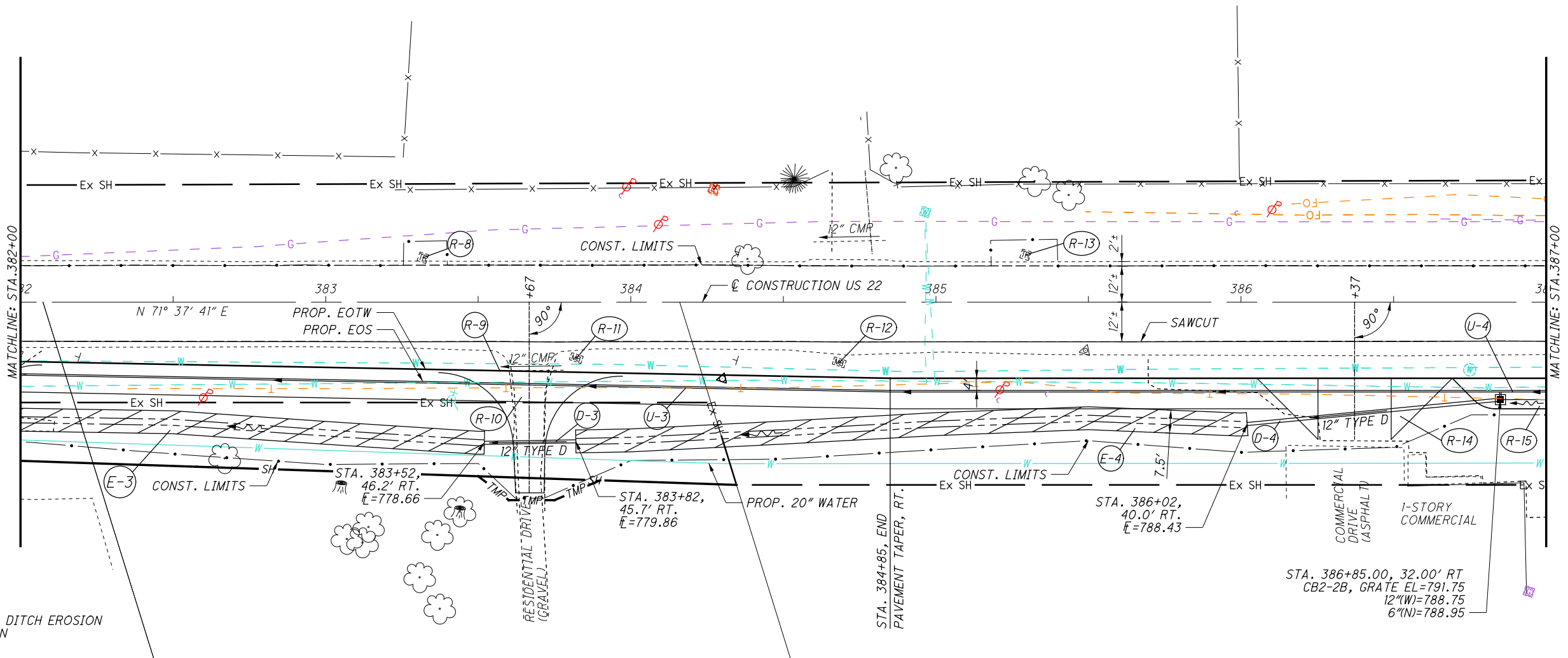


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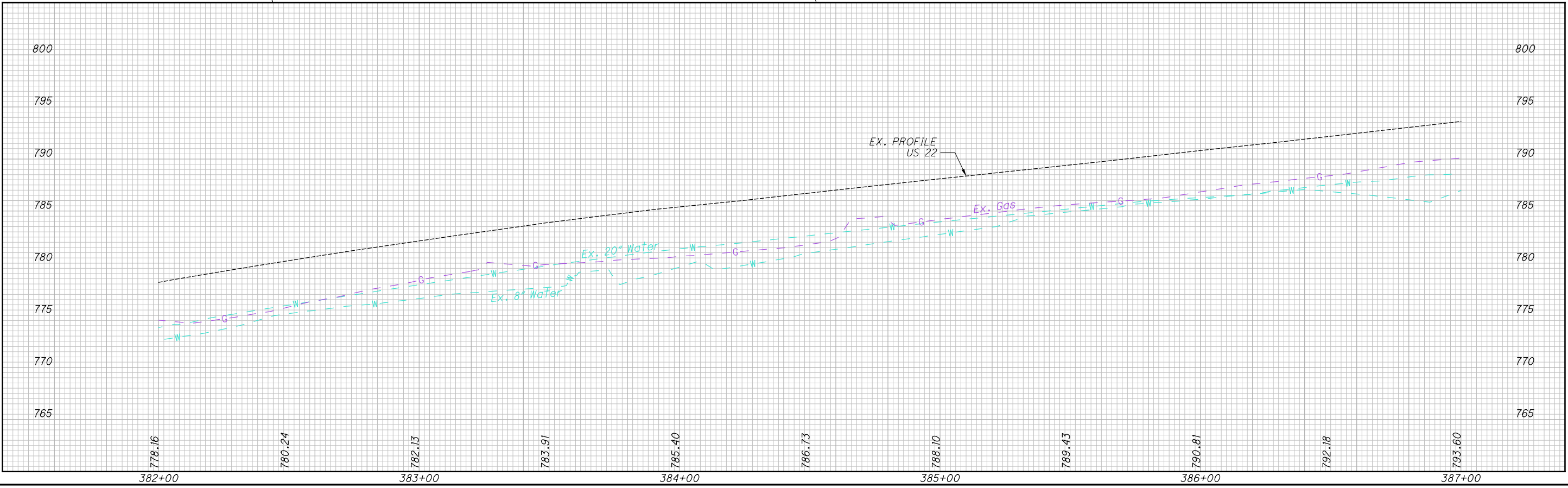
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LEGEND

ITEM 670 - DITCH EROSION PROTECTION



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