

REVISIONS:

FILE NAME
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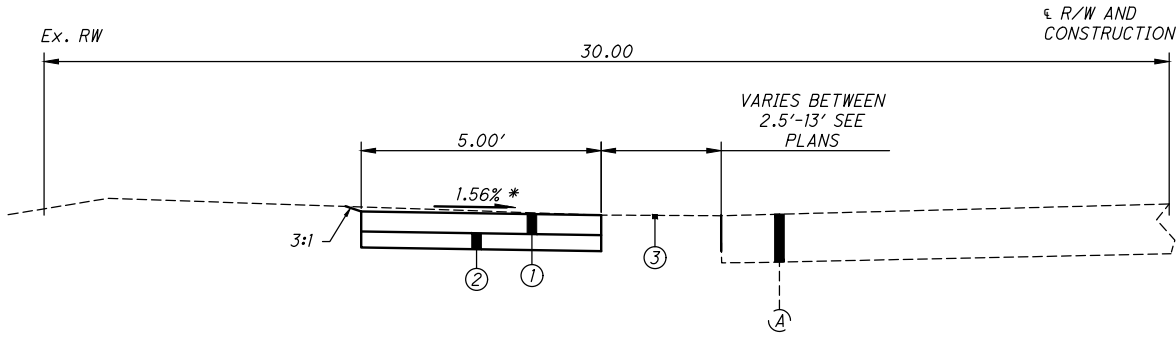
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PROJECT No.
HAMAND2302

DATE
08-15-2024

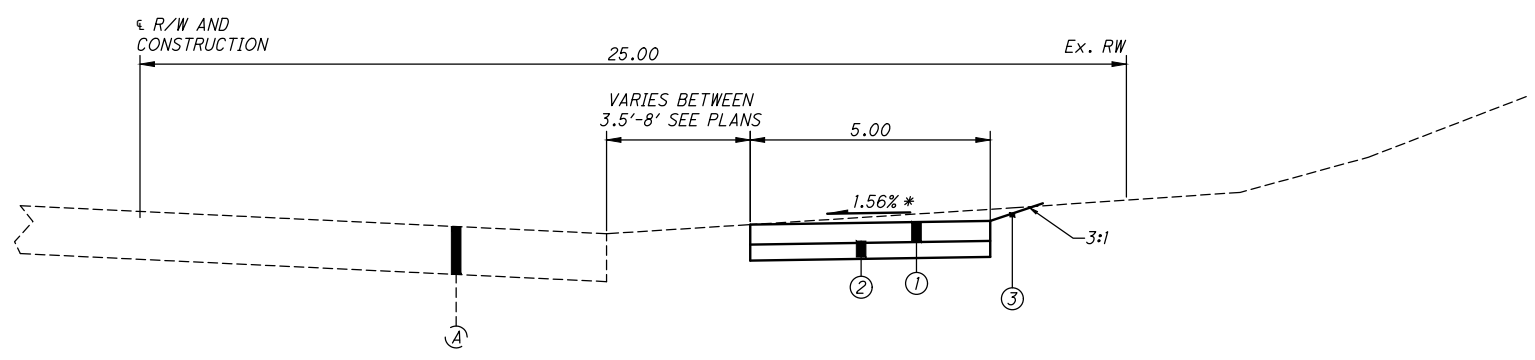
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2 OF 24



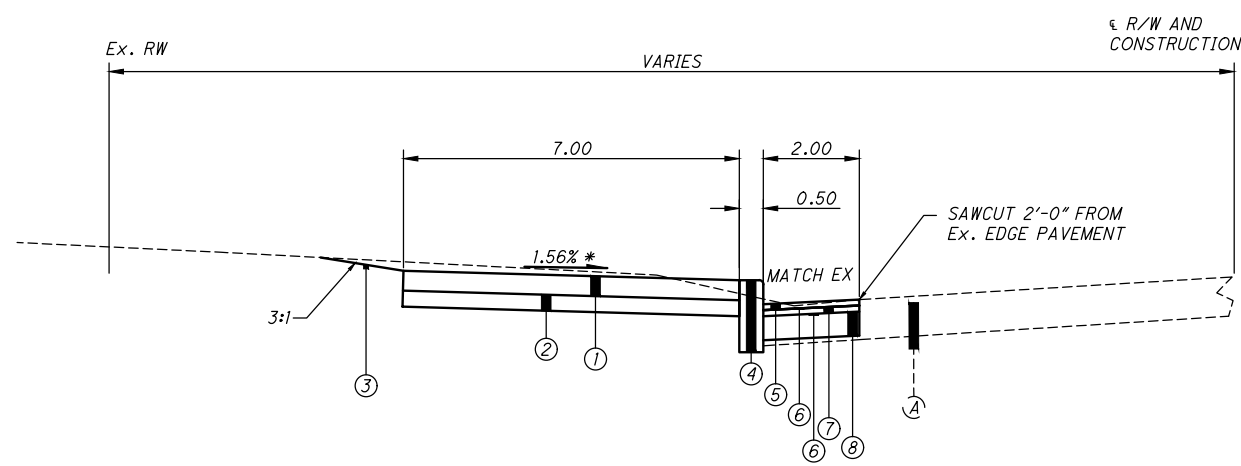
BIRNEY LANE DETACHED WALK

STA. 13+36.72 TO STA. 19+45.68
 STA. 32+00.59 TO STA. 32+76.05



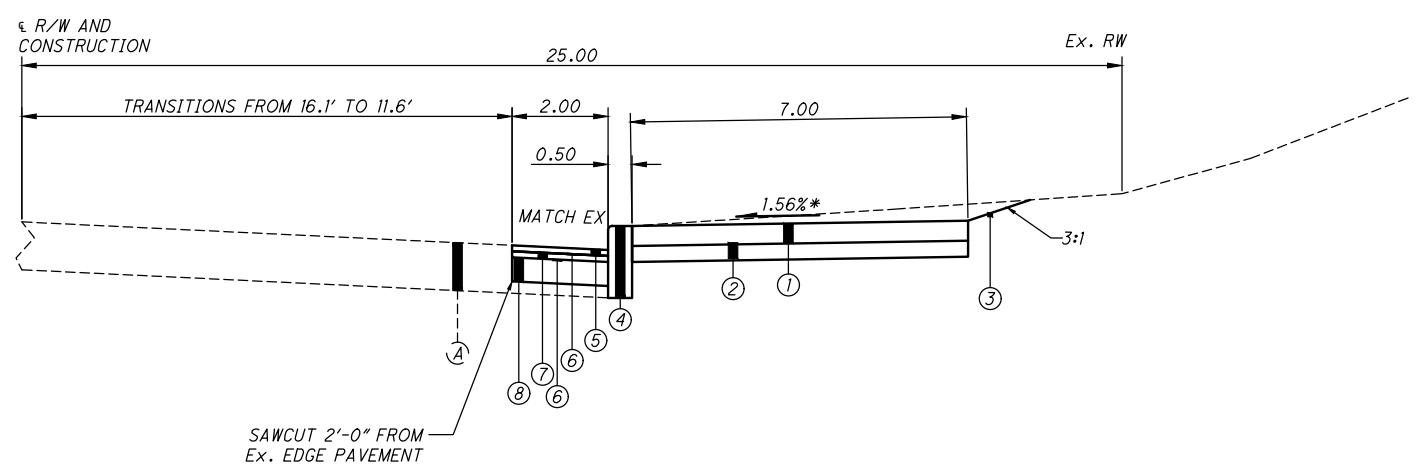
BIRNEY LANE DETACHED WALK

STA. 22+17.18 TO STA. 23+17.66



BIRNEY LANE ATTACHED WALK

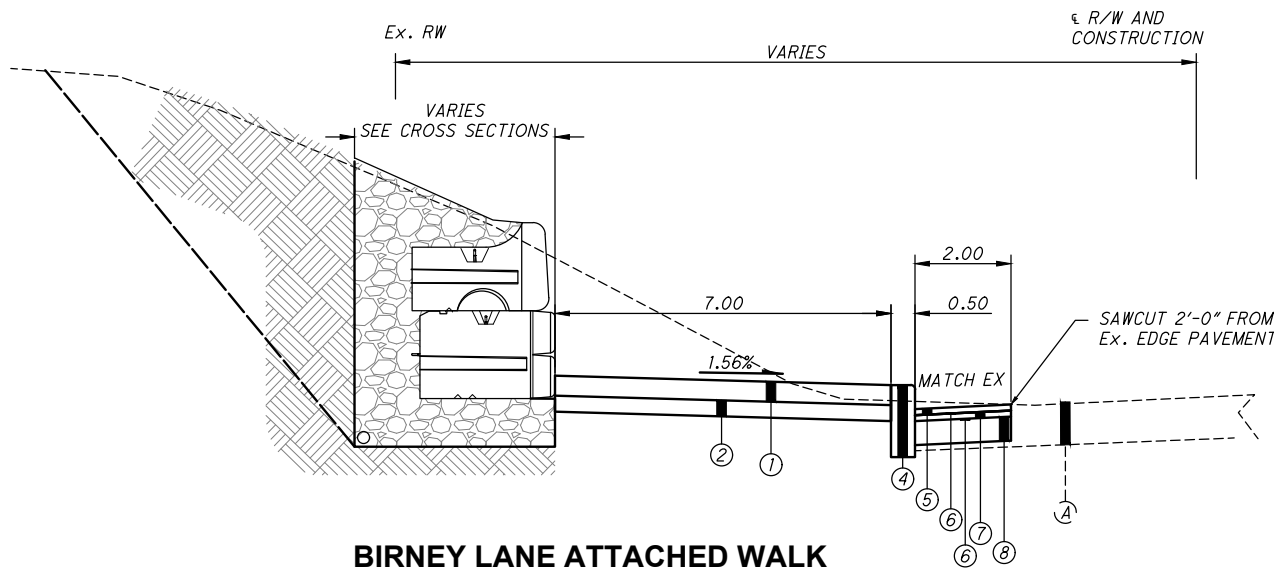
STA. 19+63.56 TO STA. 19+85.46
 STA. 22+00.00 TO STA. 22+31.61



BIRNEY LANE ATTACHED WALK

STA. 23+39.17 TO STA. 25+57.91

* WALK SLOPE TRANSITIONS FROM 1.56% TO -1.56% OVER 10.0'
 SEE CROSS SECTIONS FOR LOCATIONS



BIRNEY LANE ATTACHED WALK WITH WALL

STA. 19+85.46 TO STA. 22+00.00

TYPICAL SECTION LEGEND

- ① ITEM 608 - 5" CONCRETE SIDEWALK
- ② ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
- ③ ITEM 659 - SEEDING AND MULCHING, CLASS 1, AS PER PLAN
- ④ ITEM 609 - TYPE 6 BARRIER CURB, AS PER PLAN
- ⑤ ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑥ ITEM 407 - NON-TRACKING TACK COAT, SURFACE COURSE, (APPLIED AT 0.06 GAL./S.Y.)
- ⑦ ITEM 441 - 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑧ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22
- A EXISTING PAVEMENT AND BASE (DEPTH UNKNOWN)
- B EXISTING CURB (DO NOT DISTURB UNLESS SHOWN AS REMOVED IN PLANS)

MANHOLE ADJUSTED TO GRADE

MANHOLE RECONSTRUCTED TO GRADE

PLAN - HATCH LEGEND

- CONCRETE WALK:**
ITEM 608, 5" CONCRETE WALK
ITEM 411, 3" STABILIZED CRUSHED AGGREGATE
- CURB RAMPS:**
ITEM 608, CURB RAMP, AS PER PLAN
ITEM 411, 3" STABILIZED CRUSHED AGGREGATE
(COST INCIDENTAL TO ITEM 608, CURB RAMP)
- RESIDENTIAL CONCRETE DRIVES:**
ITEM 452, 8" NON-REINFORCED CONCRETE PAVEMENT
ITEM 304, 4" AGGREGATE BASE, AS PER PLAN
- SAWCUT AND FULL DEPTH PAVEMENT REPAIR AREA**
SEE TYPICAL SECTION
- ASPHALT DRIVES**
ITEM 441, 1-1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (449), PG64-22
ITEM 407, NON-TRACKING TACK COAT, SURFACE COURSE, (APPLIED AT 0.06 GAL./S.Y.)
ITEM 441, 2-1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (449)
ITEM 304, 4" AGGREGATE BASE, AS PER PLAN

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ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON NAVD 88 (ODOT VRS GEOID 18).

GENERAL NOTES AND DETAILS

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE ANDERSON TOWNSHIP ENGINEERING STANDARDS AND SPECIFICATIONS OR OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS, WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE TOWNSHIP.

MODIFICATIONS

ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE TOWNSHIP.

FUNDING

DUE TO FUNDING, THE OWNER RESERVES THE RIGHT TO INCREASE, DECREASE, OR OMIT ANY ITEMS LISTED IN THE BID SCHEDULE.

NO FINAL UNIT PRICE ADJUSTMENTS PER ODOT 104.02 WILL BE MADE AT CONTRACT FINALIZATION.

CONTRACT WORK PERFORMED BY THE TOWNSHIP

IF THE CONTRACTOR REFUSES OR FAILS TO PERFORM WORK OF ANY IMMEDIATE NATURE SUCH AS THE PLACEMENT OF BARRICADES, REPLACEMENT OF SIGNS, OR OTHER DEVICES, REQUIRED BY THIS CONTRACT IN A REASONABLE TIME, THE TOWNSHIP WILL PERFORM THE NECESSARY WORK. THE CONTRACTOR SHALL REIMBURSE THE TOWNSHIP AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE TOWNSHIP SHALL NOTIFY OR ATTEMPT TO NOTIFY THE CONTRACTOR OF THE NECESSITY TO PERFORM SUCH WORK. THE TOWNSHIP SHALL BE REIMBURSED BY A DEDUCTION FROM THE CONTRACTOR'S NEXT PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE TOWNSHIP.

MISCELLANEOUS

COMPENSATION FOR THE WORK AS SHOWN ON THE PLANS SHALL BE AT THE UNIT PRICES INCLUDED ON THE BID PROPOSAL. NO SEPARATE PAYMENT WILL BE MADE FOR TASKS (NOT ALL INCLUSIVE) INCLUDING ITEMS SUCH AS MOBILIZATION, RECORD DRAWINGS AND CONNECTIONS TO EXISTING FACILITIES.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. FURTHER, CHOICE ONE ENGINEERING CORPORATION DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH CHOICE ONE ENGINEERING CORPORATION DID LOCATE AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CINCINNATI MSD UTILITY COORDINATION

THIS PROJECT HAS SANITARY SEWER, OWNED AND MAINTAINED BY CINCINNATI MSD, WITHIN THE PROJECT LIMITS.

FOR EMERGENCIES, CONTACT MSD WASTEWATER COLLECTIONS (WWC) 24-HR MANNED HOTLINE: 513-352-4900.

TO SCHEDULE AN MSD INSPECTOR, THE CONTRACTOR OR PROJECT REPRESENTATIVE SHALL CONTACT MSD WVE INSPECTIONS AT 513-244-5537 OR

MSDWVEINSPECTIONS@CINCINNATI-OH.GOV A MINIMUM OF FIVE (5) BUSINESS DAYS BEFORE STARTING CONSTRUCTION ON OR NEAR MSD SEWERS, INCLUDING ANY MANHOLE ADJUSTMENTS. THE CONTRACTOR SHALL NOT ADJUST TO GRADE ANY MANHOLE OWNED BY MSD. THIS WILL BE COMPLETED BY MSD.

UTILITY OWNERSHIP

PLANNING AND DESIGN
HAMILTON COUNTY ENGINEER
223 W. GALBRAITH ROAD
CINCINNATI, OHIO 45215
(513) 946-8445
ATTN: TODD GADBURY

WATER
GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVENUE
CINCINNATI, OHIO 45232
(513) 591-6533
ATTN: EARL BRATFISH JR.

STORMWATER
HAMILTON COUNTY ENGINEER
223 W. GALBRAITH ROAD
CINCINNATI, OHIO 45215
(513) 946-4267
ATTN: JACOB VERST

SANITARY- HAMILTON COUNTY
MSD OF GREATER CINCINNATI
1600 GEST STREET
CINCINNATI, OHIO 45204
EMERGENCIES - (513) 352-4900
INSPECTION - (513) 244-5537

ELECTRIC
DUKE ENERGY
2010 DANA AVENUE
ROOM EF 324
CINCINNATI, OH 45207
(513) 508-9609
ATTN: SHANE ERHART

UTILITY INTERFERENCE

IF, DURING CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE COMPANIES HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.

LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITIES, AND STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE METHOD OF SUPPORT OR PROTECTION MUST BE APPROVED BY THE APPROPRIATE UTILITY COMPANY, AND IF FACILITY IS DAMAGED BY THE CONTRACTOR, ALL REPAIRS SHALL BE MADE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS HEREBY ADVISED THAT ALL UTILITY COMPANIES AFFECTED BY THIS PROJECT MAY BE WORKING CONCURRENTLY WITHIN THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR COORDINATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE UTILITY COMPANIES.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND BEFORE FINAL ACCEPTANCE BY THE TOWNSHIP, REPRESENTATIVES OF THE TOWNSHIP AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWER THAT MAY BE AFFECTED BY THE WORK AND ARE TO REMAIN IN SERVICE. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE TOWNSHIP.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE TOWNSHIP.

TELEPHONE
ALTA FIBER (CINCINNATI BELL)
221 E. 4TH ST.
BUILDING 121-900
CINCINNATI, OH 45202
(513)565-7187
ATTN: BRECK COWAN

COMMUNICATIONS
VERIZON
8800 GOVERNORS HILL DRIVE
CINCINNATI, OHIO 45129
(254) 721-8977
ATTN: BRUCE TURKIEWICZ

CABLE
CHARTER COMMUNICATIONS
11252 CORNELL PARK DRIVE
CINCINNATI, OHIO 45242
(513) 386-5483
ATTN: JIM O'REILLY

GAS
DUKE ENERGY
139 E. FOURTH STREET
MAILDROP: 460A
CINCINNATI, OHIO 45202
(513) 287-3213
ATTN: HASSAN EMORY

TRAFFIC SIGNAL
HAMILTON COUNTY ENGINEER
23 W. GALBRAITH ROAD
CINCINNATI, OH 45215
(513) 946-8412
ATTN: TOM SPILLE

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE TOWNSHIP.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING DRAINAGE FACILITIES

ANY DRAINAGE CONDUIT CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER. ANY DRAINAGE CONDUIT DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. ALL CONDUIT REMOVED, REPLACED AND/OR CONNECTED TO THE STORM SEWER SHALL BE NOTED ON THE RECORD DRAWINGS AND SHALL BE INSPECTED BY THE TOWNSHIP BEFORE IT IS COVERED.

A CONCRETE COLLAR SHALL BE PROVIDED WHERE PROPOSED STORM SEWER PIPE IS CONNECTED TO AN EXISTING PIPE. THE COST SHALL BE INCLUDED IN THE BID PRICE FOR THE NEW CONDUIT.

ALL FIELD OR STORM DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS OR PLUGGED AS APPROVED AND DIRECTED BY THE TOWNSHIP. THE TOWNSHIP WILL ASSIST IN ANY NECESSARY INVESTIGATION OR DYE TESTING PRIOR TO APPROVING THE PLUGGING OF A FIELD OR STORM CONDUIT. COST OF THE ITEMS ABOVE SHALL BE INCLUDED IN THE COST OF ITEM 611 CONDUIT, TYPE B, 707.45, STORM REPAIR.

THE LOCATION, TYPE, SIZE, AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE TOWNSHIP OR TOWNSHIP'S REPRESENTATIVE DURING CONSTRUCTION, AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS AND INCLUDE ALL MATERIALS NECESSARY SUCH AS GRANULAR BEDDING, PROPER FITTINGS AND CONNECTIONS, AND PIPE.

THE FOLLOWING CONTINGENT ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR THE WORK NOTED ABOVE:

- ITEM 611 4" CONDUIT, TYPE B, 707.45, STORM REPAIR - 25 FT
- ITEM 611 6" CONDUIT, TYPE B, 707.45, STORM REPAIR - 25 FT
- ITEM 611 8" CONDUIT, TYPE B, 707.45, STORM REPAIR - 25 FT

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION, OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE TOWNSHIP SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT ANY EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE TOWNSHIP SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE A PROJECT SUPERVISOR ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK.

COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF RELATED PAY ITEMS OF THIS PROJECT.

SAFETY

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

MUD

THE TRACKING OR SPILLING OF MUD, DIRT, OR DEBRIS UPON TOWNSHIP STREETS IS PROHIBITED, AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

PROPERTY POINTS AND SURVEY MONUMENTS

CARE SHALL BE TAKEN BY THE CONTRACTOR TO SAFEGUARD ANY PROPERTY POINTS OR OTHER SURVEY REFERENCE MARKS ENCOUNTERED DURING CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESET ANY PROPERTY POINT OR SURVEY MONUMENT WHICH IS DISTURBED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. THE PROPERTY POINTS AND SURVEY MONUMENTS SHALL BE RESET UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR.

PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

DEWATERING, COFFERDAMS, AND BY-PASS PUMPING

ANY DEWATERING, COFFERDAMS, OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS. NO ADDITIONAL PAYMENT WILL BE ALLOWED.

NONRUBBER TIRE VEHICLES

NO NONRUBBER TIRE VEHICLES SHALL BE MOVED ON TOWNSHIP STREETS. EXCEPTIONS MAY BE GRANTED BY THE TOWNSHIP WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE TOWNSHIP. THE CONTRACTOR SHALL USE EXTREME CARE WHEN OPERATING NONRUBBER TIRE VEHICLES ON STREETS OR DRIVEWAYS TO AVOID MARKING OR DAMAGING THE PAVEMENT. PROTECTION OF THE PAVEMENT FROM DAMAGE RESULTING FROM THE TRACKS OF NONRUBBER TIRE VEHICLES UTILIZED IN TRENCH EXCAVATION SHALL BE REQUIRED. A WOOD PLANK SYSTEM, USED TIRES, RUBBER MATS, OR OTHER MEANS AS APPROVED BY THE TOWNSHIP'S REPRESENTATIVE SHALL BE USED TO PROTECT THE PAVEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

CONSTRUCTION NOISE

IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICES SHALL NOT BE OPERATED BETWEEN THE HOURS SPECIFIED IN THE TOWNSHIP NOISE ORDINANCE. IF THERE IS NO NOISE ORDINANCE IN PLACE, POWER-OPERATED CONSTRUCTION-TYPE DEVICES SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7:00 PM TO 7:00 AM.

HAUL ROADS

WHEN PICKING A DUMP SITE, CONTRACTOR IS TO TAKE INTO CONSIDERATION THE HAUL ROAD ROUTE AND ANY NECESSARY ROADWAY REPAIR CAUSED BY HAULING TO THE DUMP SITE.

PRIOR TO HAULING EQUIPMENT OR MATERIALS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE TOWNSHIP OF THE SPECIFIC ROADS OR STREETS ON THE HAUL ROUTE. IF THE HAUL ROUTE INCLUDES ROADS AND STREETS THAT ARE NOT UNDER THE JURISDICTION AND CONTROL OF THE TOWNSHIP OR OF THE STATE, THE CONTRACTOR MUST USE LOCAL ROADS AND STREETS THAT ARE NOT RESTRICTED BY LOCAL AUTHORITIES. IF IT IS DETERMINED BY THE TOWNSHIP THAT THE HAUL ROADS USED TO HAUL EQUIPMENT AND MATERIALS TO THE DUMP SITE WERE DAMAGED FROM THIS OPERATION, THE TOWNSHIP WILL ORDER THE CONTRACTOR TO PERFORM IMMEDIATE AND PRACTICAL REPAIRS TO ENSURE REASONABLY NORMAL TRAVELING CONDITIONS AND BRING PAVEMENT CONDITIONS BACK TO CONDITIONS EQUAL OR BETTER THAN PRE-OPERATION CONDITIONS AT THE CONTRACTOR'S

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LOVELAND, OHIO 513.239.8554
WWW.CHOICEONEENGINEERING.COM

BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
GENERAL NOTES

REVISIONS:
FILE NAME GN001
DRAWN BY SNP
CHECKED BY JSM
PROJECT No. HAMAND2302
DATE 08-15-2024
SHEET NUMBER 3 OF 24

EXPENSE. THE CONTRACTOR SHALL TAKE ALL THIS INTO CONSIDERATION WHEN PICKING A DUMP SITE.

THE CONTRACTOR SHALL NOT FILE A CLAIM FOR DELAYS OR OTHER IMPACTS TO THE WORK CAUSED BY DISPUTE WITH THE LOCAL AUTHORITIES REGARDING THE USE OF LOCAL ROADS OR STREETS AS HAUL ROADS. THE CONTRACTOR SHALL SAVE THE TOWNSHIP AND THE STATE HARMLESS FOR ANY CLOSURES OR HAULING RESTRICTION OUTSIDE THE PROJECT LIMITS BEYOND THE CONTROL OF THE TOWNSHIP OR ODOT.

ASPHALT

ALL ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL APPLY TO THIS PROJECT, EXCLUDING THE BINDER PRICE ADJUSTMENT PER ODOT 401.20. ALL ASPHALT DELIVERED SHALL BE ACCOMPANIED WITH A LOAD TICKET AS PER ITEM 401.21.

TESTING AND CERTIFICATION

PROVIDE TESTING OF AND CERTIFICATION THAT MATERIAL SUPPLIED FOR THIS PROJECT MEETS THE PROJECT SPECIFICATIONS, IF REQUIRED.

POTENTIAL ITEMS FOR TESTING CONSIST OF TRENCH BACKFILL, EMBANKMENT, AND CONCRETE, WHICH MAY BE PERFORMED BY THE TOWNSHIP IF THEY SUSPECT DEFECTIVE WORK OR MATERIALS.

PAYMENT FOR CERTIFICATION OF WORK SHALL BE INCIDENTAL TO THE VARIOUS ITEMS IT IS RELATED TO AND SHALL INCLUDE ALL COST RELATED TO PROVIDING THE CERTIFICATION. COST OF ANY TESTING BY A TESTING LAB CONTRACTED BY THE TOWNSHIP SHALL BE BORNE BY THE TOWNSHIP, UNLESS THE TEST DOES NOT MEET PROJECT SPECIFICATIONS OR WORK IS FOUND TO BE DEFECTIVE, AT WHICH POINT, THE CONTRACTOR SHALL PAY THE EXPENSES FOR TESTING.

CAD FILE DISCLAIMER

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE, THE PUBLISHED PAPER/PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

ITEM 201 CLEARING AND GRUBBING, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 201 CLEARING AND GRUBBING, EXCEPT AS HEREIN MODIFIED.

THIS WORK SHALL CONSIST OF REMOVING AND TRIMMING TREES, REMOVING STUMPS, TRIMMING AND/OR REMOVING BUSHES, REMOVING LANDSCAPE TIMBERS, ETC., AS NOTED ON THE PLANS. WORK SHALL BE COORDINATED WITH THE INDIVIDUAL PROPERTY OWNERS TO ENHANCE MAXIMUM POSSIBLE SATISFACTION.

ALL TREES REMOVED SHALL BE CUT INTO 2' LENGTHS AND SPLIT IF NECESSARY TO ALLOW THE PIECES TO BE MOVED BY HAND. PIECES SHALL BE STACKED BEYOND THE RIGHT-OF-WAY LINE AND LEFT FOR THE RESPECTIVE PROPERTY OWNERS. IF THE PROPERTY OWNER REFUSES TO ACCEPT THE WOOD, THE CONTRACTOR SHALL DISPOSE OF THE WOOD AS DIRECTED BY THE TOWNSHIP.

PAYMENT FOR ITEM 201 CLEARING AND GRUBBING, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE, SHALL BE AT THE CONTRACT LUMP SUM BID PRICE EXCEPT FOR ITEMS PAID FOR AS EACH, AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 202 REMOVED, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS, EXCEPT AS HEREIN MODIFIED.

ITEM 202 REMOVED, AS PER PLAN CONSISTS OF ALL ITEMS THAT DO NOT HAVE AN INDIVIDUAL REMOVAL BID ITEM, AS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT, INCLUDING SAWCUTTING PAVEMENT.

THE FOLLOWING ODOT 202 ITEMS (PIPE REMOVED, MANHOLE REMOVED, AND CATCH BASIN AND INLET REMOVED) SHALL REFER TO ANY PIPE OR STRUCTURE THAT IS TO BE REMOVED OUTSIDE THE LIMITS OF ANY PROPOSED CONDUIT AND/OR STRUCTURE TRENCH AND SHALL BE PAID FOR UNDER EACH OF THOSE INDIVIDUAL REMOVED LINE ITEMS. ALL EXISTING PIPE, MANHOLE, CATCH BASIN, AND INLET LOCATED WITHIN THE TRENCH LIMITS OF ANY PROPOSED CONDUIT AND/OR STRUCTURE SHALL BE REMOVED FOR THE PROPER INSTALLATION OF THAT ITEM AND ANY ASSOCIATED REMOVAL COSTS SHALL BE INCLUDED IN THE COST OF THAT PROPOSED CONDUIT OR STRUCTURE ITEM. THE TRENCH LIMITS SHALL BE BASED ON THE TRENCH DETAIL SHOWN IN THE CONSTRUCTION PLANS.

ANY ITEM THAT IS REMOVED UNDER OR WITHIN 5' OF PROPOSED CURB, PAVEMENT, SIDEWALK, OR DRIVEWAY SHALL BE BACKFILLED AND COMPACTED USING ONLY ODOT ITEM 703.11 STRUCTURAL BACKFILL TYPE 1 OR 2 STRUCTURAL MATERIAL.

THE CONTRACTOR SHALL SAWCUT ALL EXISTING PAVEMENT, SIDEWALK AND CURB AGAINST WHICH ALL IMPROVEMENTS ARE PROPOSED. PAVEMENT, WALK, AND CURB SHALL BE SAWCUT IN NEAT, STRAIGHT LINES. SAWCUT PAVEMENT JOINTS SHALL BE INCLUDED IN THE PAYMENT OF THIS ITEM. MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN CUT ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT, PER 401.22, 409.02 AND 409.03.

ANY PRIVATE PROPERTY WITHIN THE ROAD RIGHT-OF-WAY OR PROJECT CONSTRUCTION LIMITS SHALL BE REMOVED CAREFULLY AND STORED FOR THE PROPERTY OWNER AT A PLACE DESIGNATED BY THE PROPERTY OWNER ON THAT PARTICULAR PROPERTY. ANY SALVAGED PUBLIC ITEMS SHALL REMAIN TOWNSHIP PROPERTY AND SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR AND STORED AT A DESIGNATED LOCATION ON THE PROJECT SITE FOR TOWNSHIP PICKUP.

PAYMENT FOR ITEM 202 REMOVED, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 203 EXCAVATION, INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 203 ROADWAY EXCAVATION AND EMBANKMENT, EXCEPT AS HEREIN MODIFIED.

THE WORK OF EMBANKMENT CONSTRUCTION WILL NOT BE PAID FOR AS SUCH, BUT WILL BE CONSIDERED INCIDENTAL TO THIS ITEM AND THE MEASURED QUANTITY WILL BE THAT OF EXCAVATION ONLY.

CONTRACTOR SHALL EXCAVATE ALL MATERIAL FROM EXISTING SURFACE TO THE BOTTOM OF THE PROPOSED SUBGRADE. ASPHALT REMOVAL IS INCLUDED IN THIS ITEM UNLESS OTHERWISE SPECIFIED.

ALL SURFACE MATERIAL, EXCAVATED UNSUITABLE MATERIAL AND ALL EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN RESPONSIBILITY AND EXPENSE OUTSIDE OF THE RIGHT-OF-WAY AT A SITE APPROVED BY THE TOWNSHIP. THIS ITEM SHALL ALSO INCLUDE THE PLACING OF A MINIMUM OF 6" OF TOPSOIL ON ALL DISTURBED AREAS DURING FINAL GRADING.

PAYMENT FOR ITEM 203 EXCAVATION, INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT CUBIC YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 204 SUBGRADE COMPACTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 204 SUBGRADE COMPACTION AND PROOF ROLLING, EXCEPT AS HEREIN MODIFIED.

THIS WORK SHALL INCLUDE "PROOF ROLLING" WITH A LOADED TANDEM TRUCK AS DIRECTED BY THE TOWNSHIP UNTIL NO DEFLECTION OR TIRE INDENTATION IN SUBGRADE IS PRESENT.

PAYMENT FOR ITEM 204 SUBGRADE COMPACTION, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 304 AGGREGATE BASE, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 304 AGGREGATE BASE, EXCEPT AS HEREIN MODIFIED.

THE CONTRACTOR SHALL PROVIDE WATER OR DRY OUT THE AGGREGATE BASE PER 304.05 BRINGING IT TO WITHIN TWO PERCENT OF THE OPTIMUM MOISTURE CONTENT BEFORE COMPACTING.

THE CONTRACTOR SHALL COMPACT THE AGGREGATE BASE USING APPROPRIATE ROLLERS PER 304.04 FOLLOWED BY PROOF ROLLING THE AGGREGATE BASE USING A LEGALLY LOADED TANDEM AXLE DUMP TRUCK AS DIRECTED BY THE TOWNSHIP UNTIL NO DEFLECTION OR TIRE INDENTATIONS ARE VISIBLE. IN A TRENCH INSTALLATION, THE CONTRACTOR SHALL COMPACT AGGREGATE BASE, WITH PLATE COMPACTOR, SMALL VIBRATORY ROLLER OR OTHER APPROVED METHOD, IN LIFTS OF NO MORE THAN 4" OR AS SPECIFIED IN THE TRENCH DETAIL. THE CONTRACTOR IS TO SUPPLY STANDARD PROCTOR RESULTS FOR AGGREGATE BASE MATERIAL TO BE USED. COMPACTION TESTS MAY BE PERFORMED ON THE AGGREGATE AT THE DISCRETION OF THE TOWNSHIP ON THE MATERIAL COMPACTION. COMPACTION SHALL MEET OR EXCEED 95% STANDARD PROCTOR.

NO PAYMENT IS TO BE MADE FOR AGGREGATE BASED USED AS STRUCTURAL BACKFILL FOR UTILITY TRENCHES. THE COST OF THIS MATERIAL IS TO BE INCIDENTAL TO THE RESPECTIVE UTILITY.

PAYMENT FOR ITEM 304 AGGREGATE BASE, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT CUBIC YARD BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 623 CONSTRUCTION LAYOUT STAKES, EXCEPT AS HEREIN MODIFIED.

THE VERTICAL CONTROL IS LISTED ON THE PLANS WITH THE BENCHMARKS. TRAVERSE POINTS ARE SHOWN BELOW FOR HORIZONTAL CONTROL. THE BEARINGS ARE LISTED FOR THE CENTERLINE OF CONSTRUCTION.

PAYMENT FOR ITEM 623 CONSTRUCTION LAYOUT STAKES, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT, REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM SPECIAL REMOVE AND RESET MAILBOX, AS PER PLAN

THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX, SUPPORT, AND HARDWARE. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION. THE CONTRACTOR WILL BE REQUIRED TO RESET THE EXISTING BOX AND SUPPORT USING THE EXISTING HARDWARE TO A CONDITION EQUAL TO THE CONDITION OF THE BOX AND SUPPORT PRIOR TO THE START OF CONSTRUCTION.

ANY BOX, SUPPORT, OR HARDWARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS, AS DETERMINED BY THE OWNER, AT THE CONTRACTOR'S EXPENSE.

ALL BOXES WILL BE REPLACED IN THE SAME LOCATION AND MUST BE RESET THE SAME DAY SO DELIVERY IS NOT INTERRUPTED.

MAILBOX, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL REMOVE AND RESET MAILBOX, AS PER PLAN.

SIDEWALK AND CURB JOINTS

1. GENERAL: CONSTRUCT ISOLATION, CONSTRUCTION, AND CONTRACTION JOINTS, AND TOOL EDGINGS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE, UNLESS OTHERWISE INDICATED.

a. WHEN JOINING EXISTING SIDEWALK OR CURB, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY-PLACED JOINTS, UNLESS OTHERWISE INDICATED.

2. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATION OF SIDEWALK OR CURB AND AT LOCATIONS WHERE SIDEWALK OR CURB OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR, UNLESS SIDEWALK OR CURB TERMINATES AT ISOLATION JOINTS.

3. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING MANHOLES, STRUCTURES, WALKS, OTHER FIXED OBJECTS, AND WHERE INDICATED.

a. LOCATE EXPANSION JOINTS AT INTERVALS OF 60' IN SIDEWALK AND 200' IN CURB, UNLESS OTHERWISE INDICATED.

b. THE EXPANSION JOINT MATERIAL SHALL BE FOAM TECH BY NMW, INC. OR EQUIVALENT. THE EXPANSION JOINT MATERIAL SHALL HAVE A "PEEL-OFF" TOP FOR CAULKING PURPOSES.

c. REMOVE "PEEL-OFF" TOP AFTER CONCRETE IS SET AND MAKE SURE THE EXPANSION JOINT MATERIAL IS 1/2" - 3/4" BELOW THE FINISHED CONCRETE SURFACE.

d. PLACE JOINT FILLER (SONOLASTIC ULTRA, EUCOLASTIC 1, OR EQUIVALENT) IN LIME STONE COLOR IN THE TOP 1/2" - 3/4" OF JOINT FOLLOWING MANUFACTURER INSTALLATION RECOMMENDATION. CONTRACTOR TO PLACE WHITE SILICA SAND ON TOP OF JOINT FILLER AFTER INITIAL SET.

4. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED IN THE PLANS. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, WHERE INDICATED, AS FOLLOWS:

a. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVER TOOL TO THE FOLLOWING RADIUS. ELIMINATE GROOVER OVERFLOW SLURRY MARKS ON CONCRETE SURFACES PRIOR TO FINAL BROOMING. RADIUS TO BE 1/4" (6 MM).

b. SAWED JOINTS WILL NOT BE PERMITTED.

c. QUALITY WORK, AS DETERMINED BY THE TOWNSHIP, SHALL BE PERFORMED OR THE NEW SIDEWALK OR CURB WILL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE.

5. CURING COMPOUND: APPLY 2 COATS OF SUPER DIAMOND CLEAR CURING AND SEALING COMPOUND, WR MEADOWS, INC. CS-309-25, OR APPROVED EQUIVALENT PER MANUFACTURER'S RECOMMENDATIONS, ON ALL SURFACES, INCLUDING BACK, IMMEDIATELY AFTER FINISHING SURFACES.



SIDNEY, OHIO 937.497.0200
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BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
GENERAL NOTES

REVISIONS:

FILE NAME
G001

DRAWN BY
SNP

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JSM

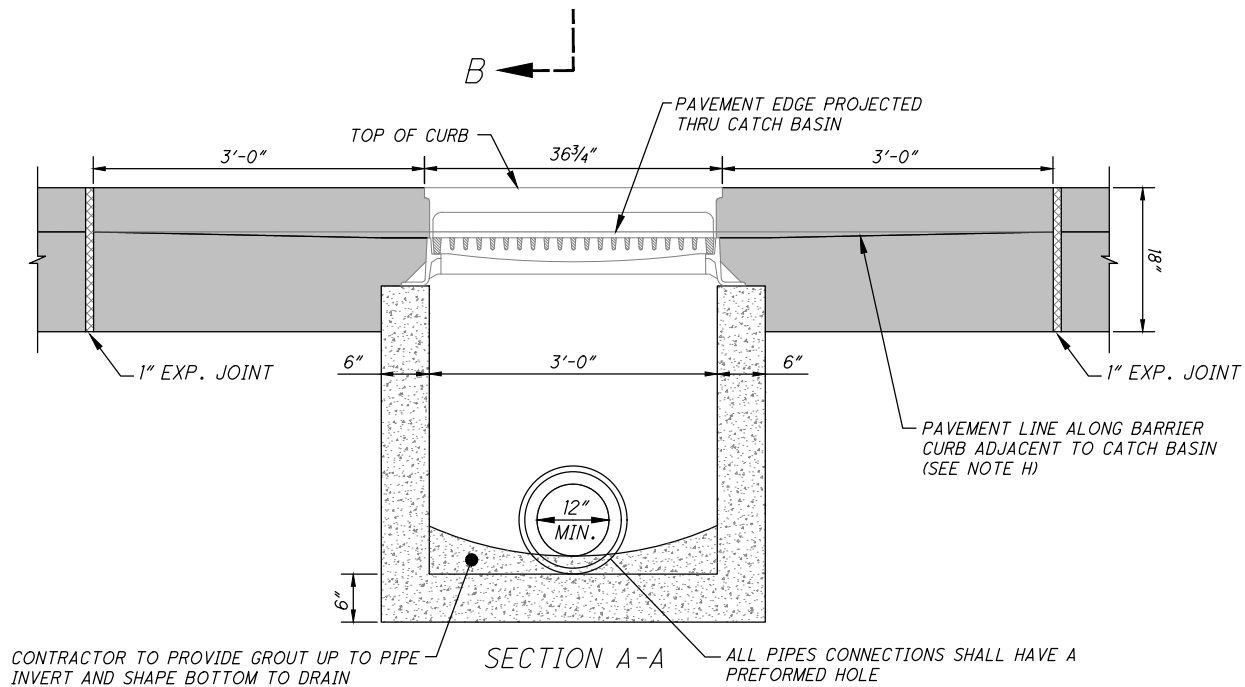
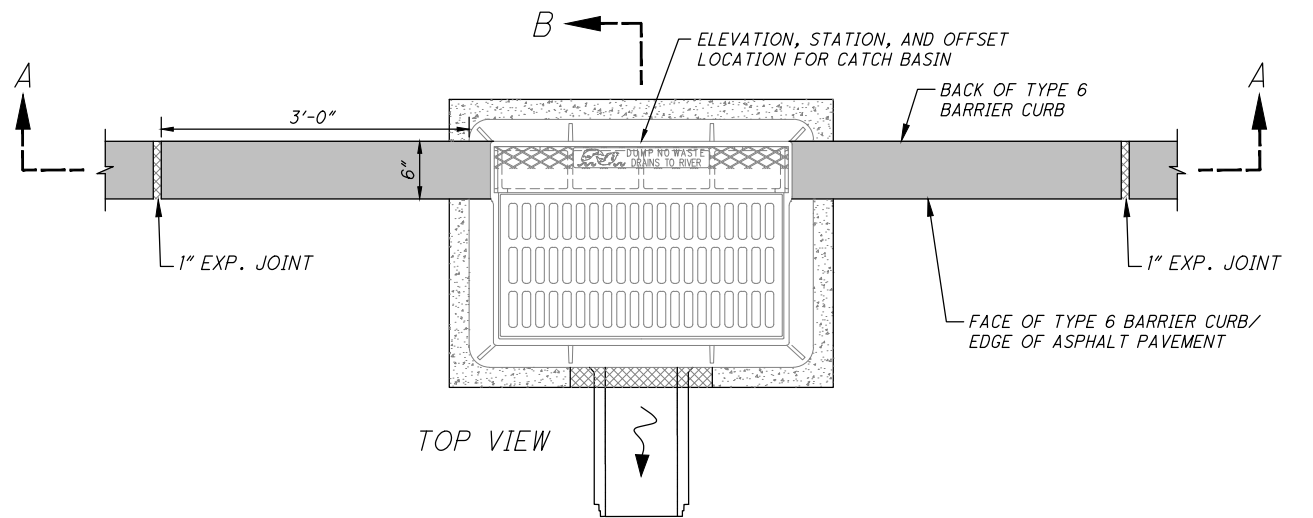
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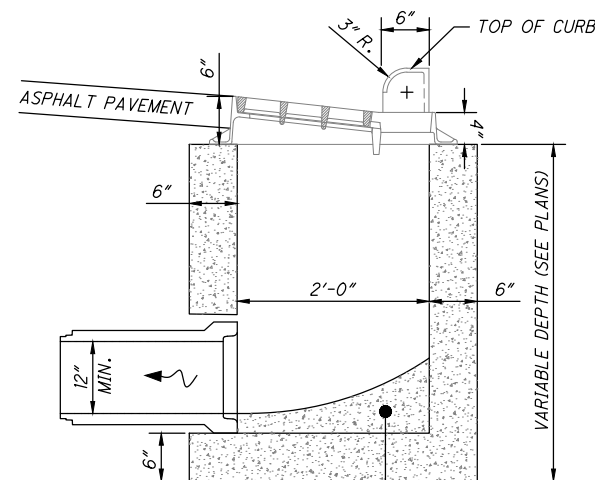
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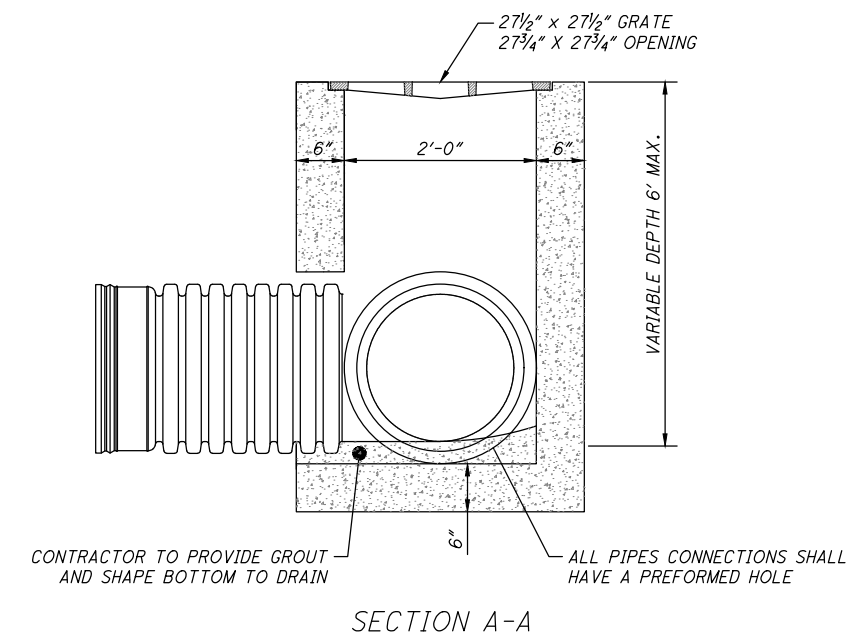
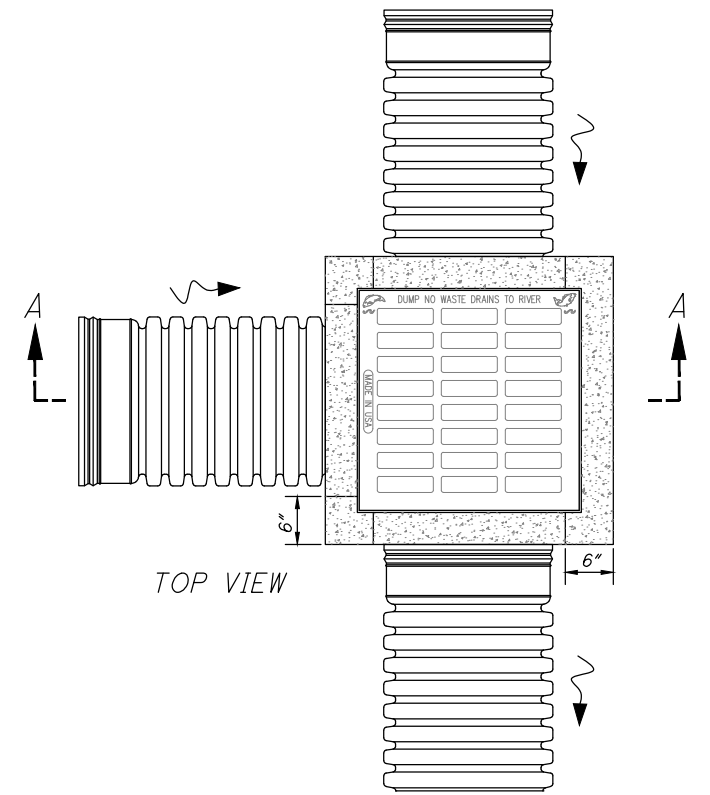
NOTES

- A. INLET FRAME SHALL BE NEENAH R-3067 OR EAST JORDAN IRON WORKS 703021 OR EQUIVALENT.
- B. CURB BOX/HOOD, FOR TYPE 2 COMBINATION CURB AND GUTTER, SHALL BE NEENAH R-3067 CURB BOX (3" RADIUS) OR EAST JORDAN IRON WORKS TYPE T4
- C. CATCH BASINS IN DRIVE APPROACHES (TO BE AVOIDED, IF POSSIBLE) SHALL BE PROVIDED WITH A CURB PLATE INSTEAD OF A CURB BOX (NEENAH R-3067 WITH CURB PLATE) OR EQUAL.
- D. STANDARD GRATE SHALL BE NEENAH TYPE A, OR EQUIVALENT. ALL BAR EDGES TO BE ROUNDED 1/8" RADIUS.
- E. CONCRETE, CAST-IN-PLACE, TO BE ODOT QC 1. PRECAST CONSTRUCTION IS PERMITTED AND CONCRETE SHALL MEET THE REQUIREMENTS OF 706.13.
- F. EXPANSION JOINTS SHALL BE PER ODOT 705.03, AASHTO M153, VINYL RUBBER MATERIAL MANUFACTURED BY RIGHT/POINTE, W.R. MEADOWS, OSCODA PLASTICS OR EQUAL AND BE INSTALLED AS INDICATED IN THE DETAIL.
- G. PIPE TO INTRUDE INTO CATCH BASIN 1" MAXIMUM AND PIPE MUST BE CUT PARALLEL TO CATCH BASIN. USE NON-SHRINK GROUT AROUND PIPE TO SEAL BETWEEN PIPE AND CATCH BASIN.
- H. THE SLOPE ACROSS THE GRATE FROM FRONT TO BACK IS 1/2", THEREFORE THE ADJACENT PAVEMENT ON EACH SIDE TRANSITION DOWN THE 1/2" WITHIN THE 3'-0" BLOCK OUT OF SECTION OF THE BARRIER CURB.
- I. ALL GRATES SHALL BE BICYCLE SAFE.



SECTION B-B

TYPE 1 CATCH BASIN (IN BARRIER CURB)



NOTES

- A. LOCATION AND ELEVATIONS WHEN GIVEN ON THE PLANS IS TOP CENTER OF THE GRATE. WHEN SIDE OPENINGS ARE PROVIDED, ELEVATION SHALL BE THE FLOW LINE OF THE SIDE INLET.
- B. CATCH BASINS INSTALLED IN NON-PAVED AREAS SHALL BE PROVIDED WITH A RECESSED GRATE MANUFACTURED BY NEENAH CATALOG NO. R-4859-C (TYPE A) OR EAST JORDAN IRON WORKS 5110 (TYPE M3) OR EQUIVALENT.
- C. CONCRETE, CAST-IN-PLACE, TO BE ODOT QC 1. PRECAST CONSTRUCTION IS PERMITTED AND CONCRETE SHALL MEET THE REQUIREMENTS OF 706.13.
- D. GRATE ELEVATION TO BE PLACED 4" - 6" BELOW THE NORMAL DITCH LINE RETURNING TO NORMAL 10'-0" ON EACH SIDE OF STRUCTURE.
- E. CATCH BASIN SHALL ACCOMMODATE AN 18" OR SMALLER PIPE.
- F. PIPE TO INTRUDE INTO CATCH BASIN 1" MAXIMUM AND PIPE MUST BE CUT PARALLEL TO CATCH BASIN. CONTRACTOR TO USE NON-SHRINK GROUT COMPLETELY SEAL AROUND THE PIPE AND CATCH BASIN.

2-2B CATCH BASIN (NON-PAVED AREAS)

REVISIONS:

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GM001

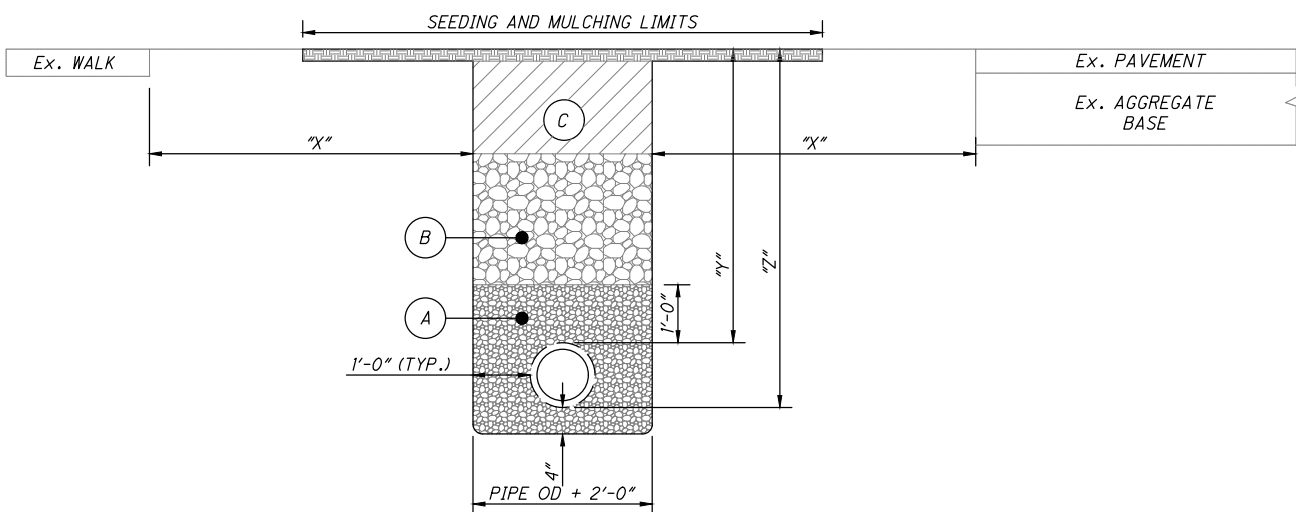
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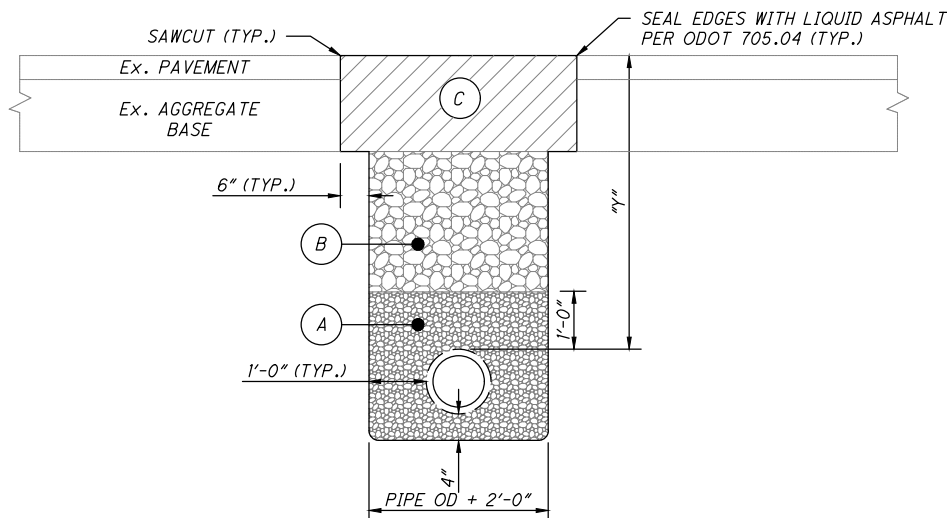


OUTSIDE PAVEMENT AREAS

"X"= DISTANCE FROM EDGE OF TRENCH TO EDGE OF CLOSEST PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS.

"Z"= DISTANCE FROM TOP OF BEDDING TO FINISH SURFACE.

"Y"= DEPTH OF COVER FOR PROPOSED CONDUIT
 WATER MAINS.....4'-6" MIN. (REFER TO PROFILE)
 STORM SEWERS.....2'-0" MIN. (REFER TO PROFILE)
 SANITARY SEWERS.....4'-0" MIN. (REFER TO PROFILE)



IN PAVEMENT AREAS

NOTES

- (A) BEDDING SHALL BE PER ODOT 703.11 "STRUCTURAL BACKFILL FOR 611 BEDDING AND BACKFILL" TYPE 3 (#57 OR #67 AGGREGATE), OR OTHER APPROVED EQUIVALENT BY THE MUNICIPALITY. THERE SHALL BE 4" MIN. BEDDING BELOW THE PIPE. THE FOLLOWING BEDDING MATERIAL SHALL BE USED PER PROPOSED CONDUIT:
 - WATER MAIN, WATER SERVICES, FIRE HYDRANTS AND APPURTENANCES - SHALL BE NATURAL CRUSHED STONE OR NATURAL GRAVEL.
 - STORM AND SANITARY SEWERS - SHALL BE CRUSHED LIMESTONE OR NATURAL CRUSHED STONE.
- (B) STRUCTURAL BACKFILL - DENSITY TEST TO 95% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED BY MUNICIPALITY TO BE COMPLETED BY A CERTIFIED COMMERCIAL TESTING LABORATORY.

FOR "OUTSIDE PAVEMENT AREAS":

ALL TRENCHES WHERE "X" IS GREATER THAN "Z", THE BACKFILL MATERIAL SHALL BE COMPACTED NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE MUNICIPALITY. NO MATERIAL SHALL BE USED FOR BACKFILLING THAT CONTAINS STONE, ROCKS, ETC., GREATER THAN 3" DIAMETER.

ALL TRENCHES WHERE "Z" IS GREATER THAN "X", THE BACKFILL MATERIAL SHALL BE ODOT ITEM 703.11, TYPE 1 (#304 AGGREGATE). THE AGGREGATE SHALL BE COMPACTED IN 12" MAXIMUM LIFTS AND BE USED UNTIL THE BACKFILL HEIGHT RESULTS IN "X" BEING GREATER THAN "Z" AT WHICH TIME NATIVE BACKFILL CAN BE USED.

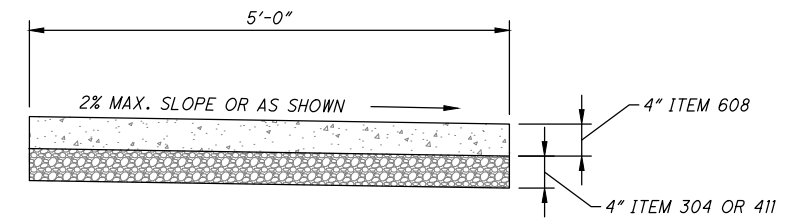
FOR "IN PAVEMENT AREAS":

ALL TRENCHES SHALL HAVE ODOT ITEM 703.11, TYPE 1 (#304 AGGREGATE) BACKFILL PLACED FROM THE TOP OF THE BEDDING TO THE BOTTOM OF THE ROADWAY BASE.

- (C) ALL "OUTSIDE PAVEMENT AREAS" SHALL RECEIVE A MIN. OF 6" OF TOPSOIL OVER THE COMPACTED MATERIAL AND THEN SEEDED PER ODOT 659. ALL "IN PAVEMENT AREAS" SHALL FOLLOW THE CORRESPONDING PAVEMENT COMPOSITION PROVIDED IN THE HATCH LEGEND. THE TRENCH DETAIL SHOWS THE PAVEMENT REPAIR LIMITS. ANY PAVEMENT REPAIR BEYOND THIS WILL BE AT THE COST OF THE CONTRACTOR.

TRENCH DETAIL

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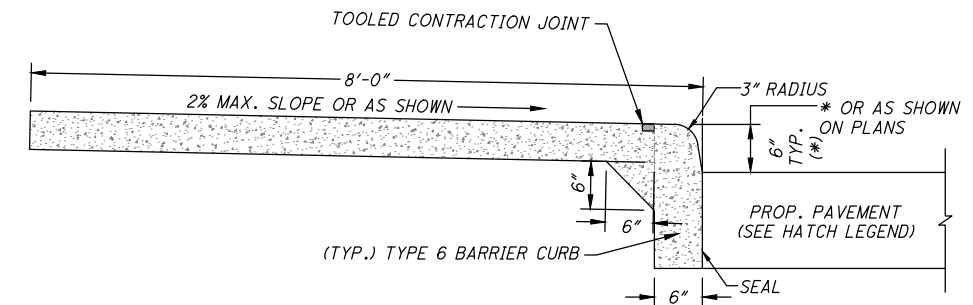


NOTES

- A. WALK TO BE POURED ON 4" MINIMUM ODOT #304 OR ODOT #411 AGGREGATE.
- B. PROVIDE EDGING AND BROOM FINISH TO ALL EXPOSED SURFACES.
- C. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE AND WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- D. USE WHITE PIGMENTED CURING COMPOUND IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PREAPPROVED.
- E. ALL CONCRETE SHALL BE ODOT QC-1P.
- F. PROPOSED CONCRETE WALK SHALL BE JOINTED AS CLOSE TO SQUARE AS POSSIBLE. JOINT SPACING MAY VARY SLIGHTLY DEPENDING ON THE LENGTH AND WIDTH OF THE PROPOSED SIDEWALK AREAS. JOINT SPACING SHALL TYPICALLY RANGE FROM 4'X4' TO 10'X10'. IN ALL CASES THE SIDEWALK SHALL BE JOINTED SO THAT THE MAXIMUM ASPECT RATIO (OF PANEL LENGTH TO WIDTH) OF THE JOINTING IS 1.25:1 OR LESS. CONTRACTOR TO VERIFY METHOD AND TYPE OF CONTROL JOINTING WITH OWNER PRIOR TO PERFORMING WORK.
- G. SIDEWALK SHALL HAVE EXPANSION JOINTS EVERY 100'.
- H. CONCRETE TO INCLUDE 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO SYNTHETIC MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3, MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES.

CONCRETE WALK

NTS



NOTES

- A. WALK TO BE POURED ON 4" MINIMUM ODOT #304 OR ODOT #411 AGGREGATE.
- B. (*) HEIGHT VARIES WITH CURB EXPOSURE. ASTERISK INDICATES PROPOSED TOP OF CURB SPOT GRADE ELEVATION WITH CURB EXPOSURE THAT VARIES FROM THE STANDARD 0.50' (6") CURB.
- C. PROVIDE EDGING AND BROOM FINISH TO ALL EXPOSED SURFACES.
- D. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE AND WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- E. USE WHITE PIGMENTED CURING COMPOUND IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PREAPPROVED.
- F. ALL CONCRETE SHALL BE ODOT QC-1P.
- G. PROPOSED CONCRETE SIDEWALK SHALL BE JOINTED AS CLOSE TO SQUARE AS POSSIBLE. JOINT SPACING MAY VARY SLIGHTLY DEPENDING ON THE LENGTH AND WIDTH OF THE PROPOSED SIDEWALK AREAS. JOINT SPACING SHALL TYPICALLY RANGE FROM 4'X4' TO 10'X10'. IN ALL CASES THE SIDEWALK SHALL BE JOINTED SO THAT THE MAXIMUM ASPECT RATIO (OF PANEL LENGTH TO WIDTH) OF THE JOINTING IS 1.25:1 OR LESS. CONTRACTOR TO VERIFY METHOD AND TYPE OF CONTROL JOINTING WITH OWNER PRIOR TO PERFORMING WORK.
- H. CURB/SIDEWALK SHALL HAVE EXPANSION JOINTS EVERY 100'.
- I. CONCRETE TO INCLUDE 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO SYNTHETIC MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3, MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES.

COMBINED CURB AND WALK

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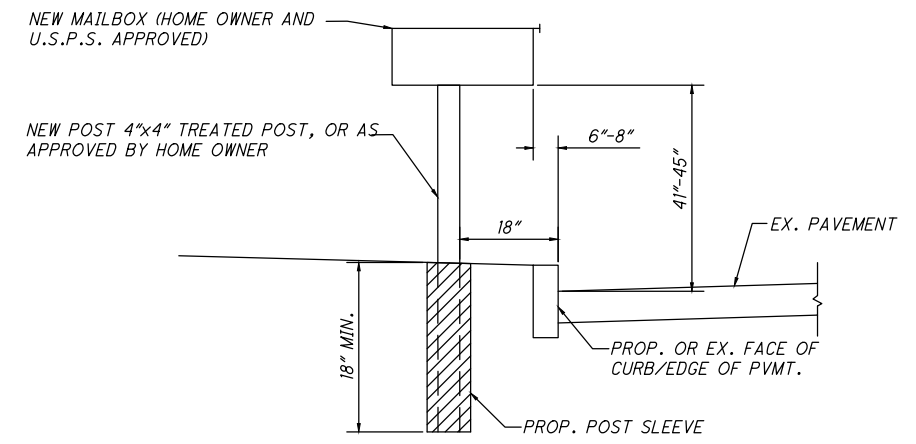
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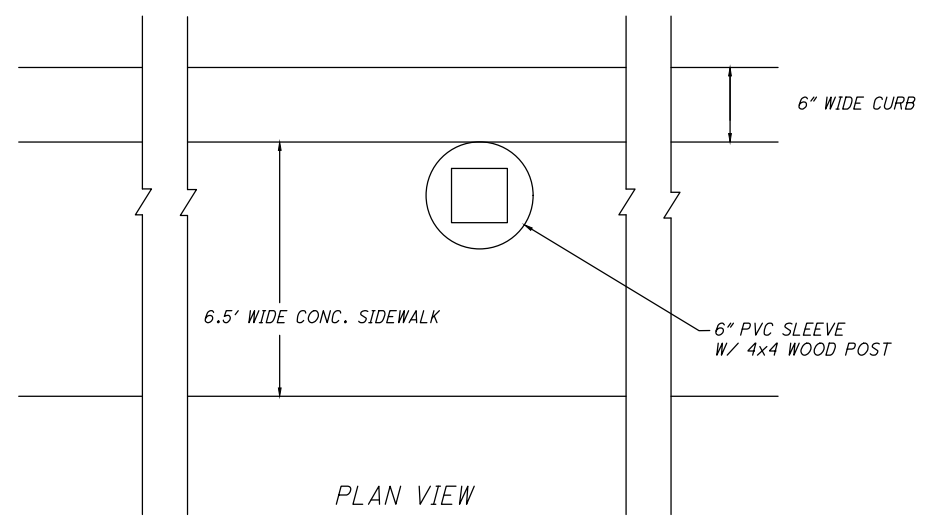
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SECTION VIEW

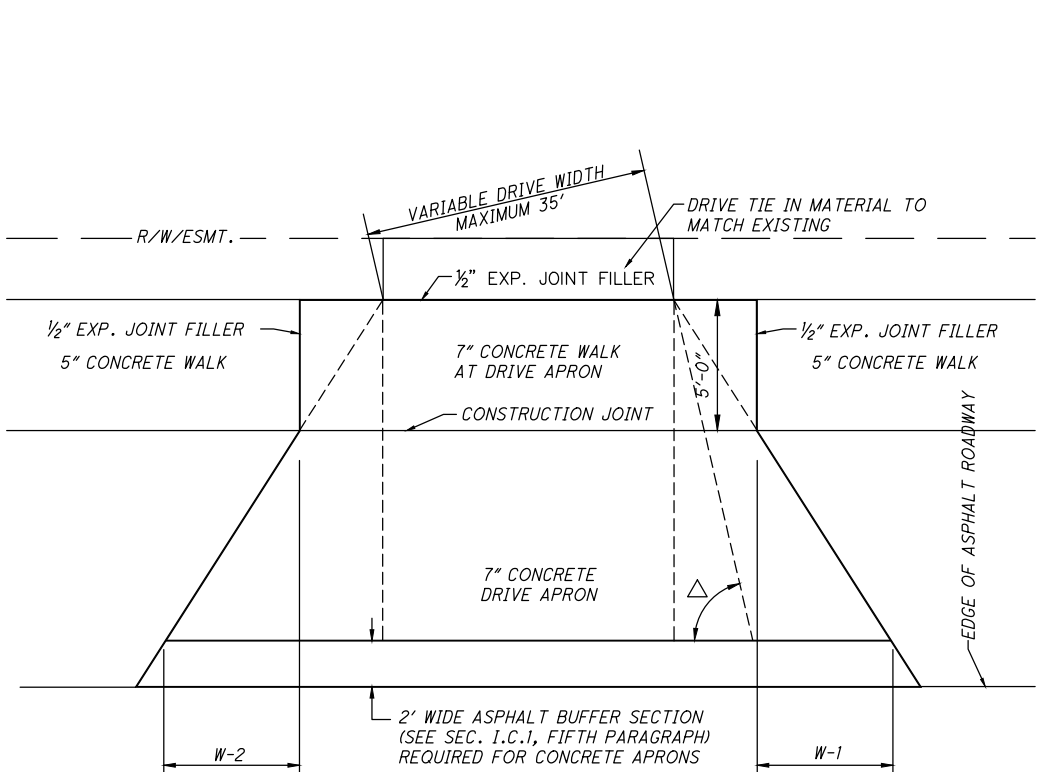


PLAN VIEW

NOTE:

- A. PVC SLEEVE IS FILLED WITH 10" OF STONE WITH 2" OF GROUT ON SURFACE.
- B. ALL COSTS TO REMOVE EX. MAILBOX (MB) & POST, INSTALLING POST SLEEVE AT NEW LOCATION, FURNISHING & INSTALLING NEW POST & MB & INSTALLING THEM IN SLEEVE ARE INCLUDED IN UNIT COST BID FOR EACH, MAILBOX RELOCATION.

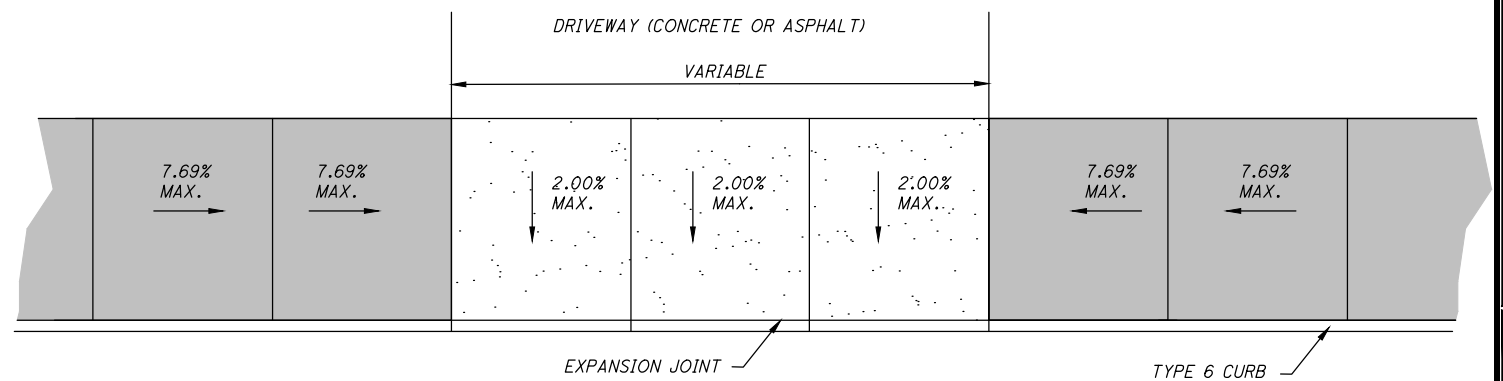
TYPICAL MAILBOX INSTALLATION IN SIDEWALK DETAIL



△	W-1	W-2
30'-40'	11.0	5.0
40'-50'	10.0	5.0
50'-60'	9.0	5.0
60'-70'	8.0	5.0
70'-80'	7.0	5.0
80'-90'	6.0	5.0
90'	5.0	5.0

TYPICAL DRIVEWAY DETAIL (WITH WALK AND NO CURB)

PLATE No. 7

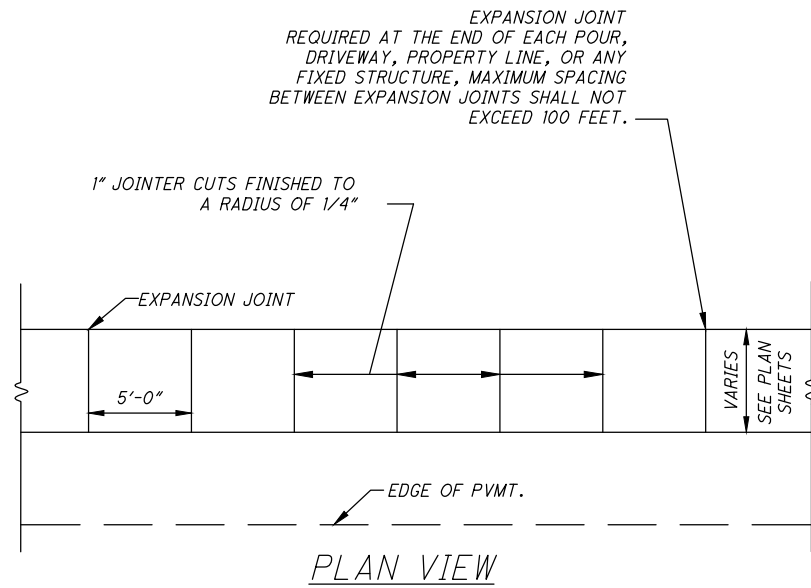


NOTE: SIDEWALK TO RAMP DOWN ON EITHER SIDE OF DRIVE SO THAT 2% CROSS SLOPE IS MAINTAINED

TYPICAL DRIVEWAY DETAIL (WITH WALK AND NO CURB LAWN)

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SIDEWALK NOTE:

- A. WALK TO BE POURED ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE BEDDING.
- B. EQUIPMENT: SIDE FORMS SHALL BE OF STEEL, STRAIGHT AND OF A DEPTH EQUAL TO THE THICKNESS OF THE PAVEMENT AT ITS EDGE. THE USE OF BENT OR DAMAGED SIDE FORMS OR FORMS WITH DAMAGE JOINT LOCKS OR PIN POCKETS SHALL NOT BE PERMITTED. ALL FORMS SHALL BE CLEANED AND OILED EACH TIME THEY ARE USED. FLEXIBLE OR CURVED FORMS SHALL BE USED FOR CONSTRUCTION OF CIRCULAR PAVEMENT EDGES WHERE RADIUS IS ONE HUNDRED FEET (100') OR LESS.
- C. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES. TEXTURE SHALL BE A MEDIUM BROOM WITH TOOL FINISH, TOWNSHIP TO REVIEW AND APPROVE FIRST POUR.
- D. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- E. PROVIDE EDGING AROUND ALL EXPOSED SURFACES.
- F. APPLY 2 COATS OF SUPER DIAMOND CLEAR CURING AND SEALING COMPOUND OR WR MEADOWS, INC. CS-309-25, OR APPROVED EQUIVALENT PER MANUFACTURER'S RECOMMENDATION ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES.
- G. CONCRETE SHALL BE ODOT CLASS QC MISC. OR QC-1, (4000 PSI, 600LB. C.Y. CEMENT) ALL SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF 5"
- H. EXPANSION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- I. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED IN THE PLANS. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, WHERE INDICATED, AS FOLLOWS:
 - a. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVER TOOL TO THE FOLLOWING RADIUS. REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVER OVERFLOW SLURRY MARKS ON CONCRETE SURFACES. QUALITY WORK SHALL BE PERFORMED OR THE NEW SIDEWALK WILL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE. RADIUS TO BE 1/4 INCH (6 MM).
 - b. SAWED JOINTS WILL NOT BE PERMITTED.
- J. EDGING: TOOL EDGES OF JOINTS IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL TO A RADIUS OF 1/4 INCH (6 MM). REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ("PICTURE-FRAME" EACH SECTION OF CONCRETE WALK.) ELIMINATE TOOL MARKS (OVERFLOW SLURRY) ON CONCRETE SURFACES.
- K. CONTRACTOR TO PROVIDE ISOLATION JOINTS BETWEEN FIXED OBJECTS (POLES, WATER METERS, ETC.) THAT ARE SHOWN IN THE PLANS WHERE THEIR LOCATION FALLS WITHIN THE PROPOSED SIDEWALK LIMITS. ISOLATION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- L. WALK SHALL HAVE EXPANSION JOINTS EVERY 100'. REFER TO NOTE H ABOVE FOR EXPANSION JOINT MATERIAL TYPE AND SPECIFICATIONS.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT OF MEASURE	APPROX. QTY.
201	CLEARING AND GRUBBING, AS PER PLAN	LUMP	1
202	REMOVED, AS PER PLAN	LUMP	1
202	PIPE REMOVED, 24" AND UNDER	FT.	238
202	CATCH BASIN REMOVED	EACH	1
203	EXCAVATION, INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN	C.Y.	100
301	9" ASPHALT CONCRETE BASE, PG64-22	C.Y.	26
304	AGGREGATE BASE	C.Y.	30
407	NON-TRACKING TACK COAT, 0.06 GAL/S.Y.	GAL	11
411	STABILIZED CRUSHED AGGREGATE	C.Y.	64
441	1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	C.Y.	5
441	1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	C.Y.	8
452	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	S.Y.	154
608	4" CONCRETE WALK	S.F.	6222
608	CURB RAMP, AS PER PLAN	S.F.	409
609	CURB, TYPE 6	FT.	420
611	4" CONDUIT, TYPE B, 707.45, STORM REPAIR	FT.	25
611	6" CONDUIT, TYPE B, 707.45, STORM REPAIR	FT.	25
611	8" CONDUIT, TYPE B, 707.45, STORM REPAIR	FT.	25
616	12" CONDUIT, TYPE D	FT.	331
611	CATCH BASIN	EACH	6
611	MANHOLE ADJUSTED TO GRADE	EACH	1
611	MANHOLE RECONSTRUCTED TO GRADE	EACH	1
614	MAINTAINING TRAFFIC	LUMP	1
623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LUMP	1
638	SERVICE BOX ADJUSTED TO GRADE	EACH	1
644	CROSS WALK LINE, 12"	FT.	231
644	STOP LINE	FT.	28
659	SEEDING AND MULCHING	S.Y.	560
SPEC	MALBOX SUPPORTS REMOVE AND RESET	EACH	5
SPEC	WALL, AS PER PLAN	S.F.	250



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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
GENERAL DETAILS & ESTIMATED QUANTITIES**

REVISIONS:

FILE NAME	GM001
DRAWN BY	SNP
CHECKED BY	JSM
PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	8 OF 24

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JAMES H LINNE & M SHERYL
782 WATCH POINT DR

JENNIFER L. COOK
807 BIRNEY LANE

8' CROSSWALK

WATCH POINT DRIVE

CONSTRUCTION LIMITS

ASPHALT PAVT.

B.M. #4

BIRNEY LANE

MATCH LINE STA. 16+00.00

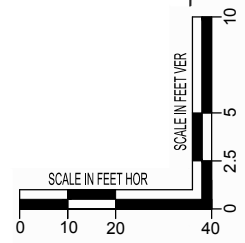
BIRNEY LANE

RALEIGH R. SHARROCK
BIRNEY LANE

RALEIGH R. SHARROCK
785 WATCH HILL LANE

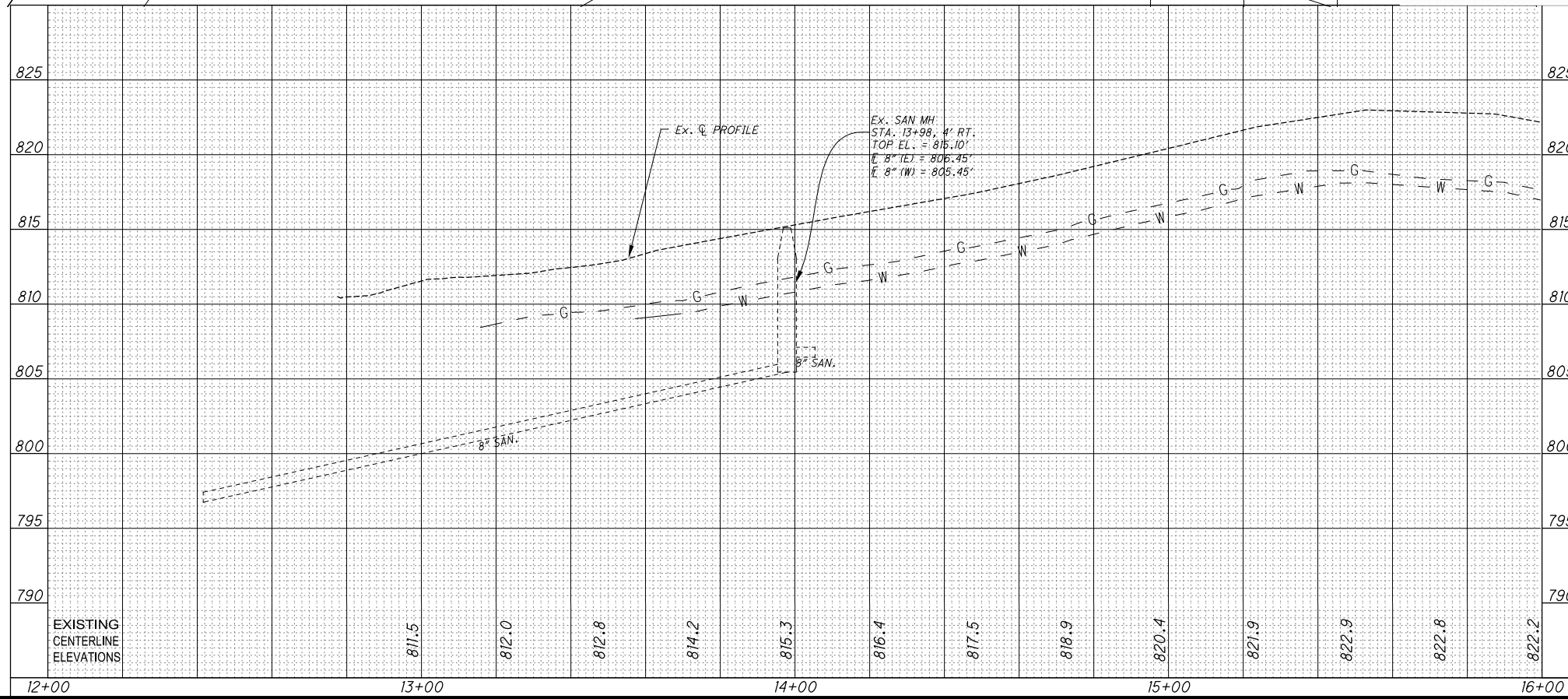
WATCH HILL LANE

BENCHMARK #4 ELEV. 823.715
MAG NAIL IN POWER POLE NORTH
OF BIRNEY LN AND WATCH HILL LN



LEGEND

- ① DO NOT DISTURB
- ② REMOVE
- ③ RELOCATE
- ④ BY OTHERS
- ⑤ ADJUST TO GRADE
- ⑥ REMOVE AND RESET
- ⑦ TO BE ABANDONED



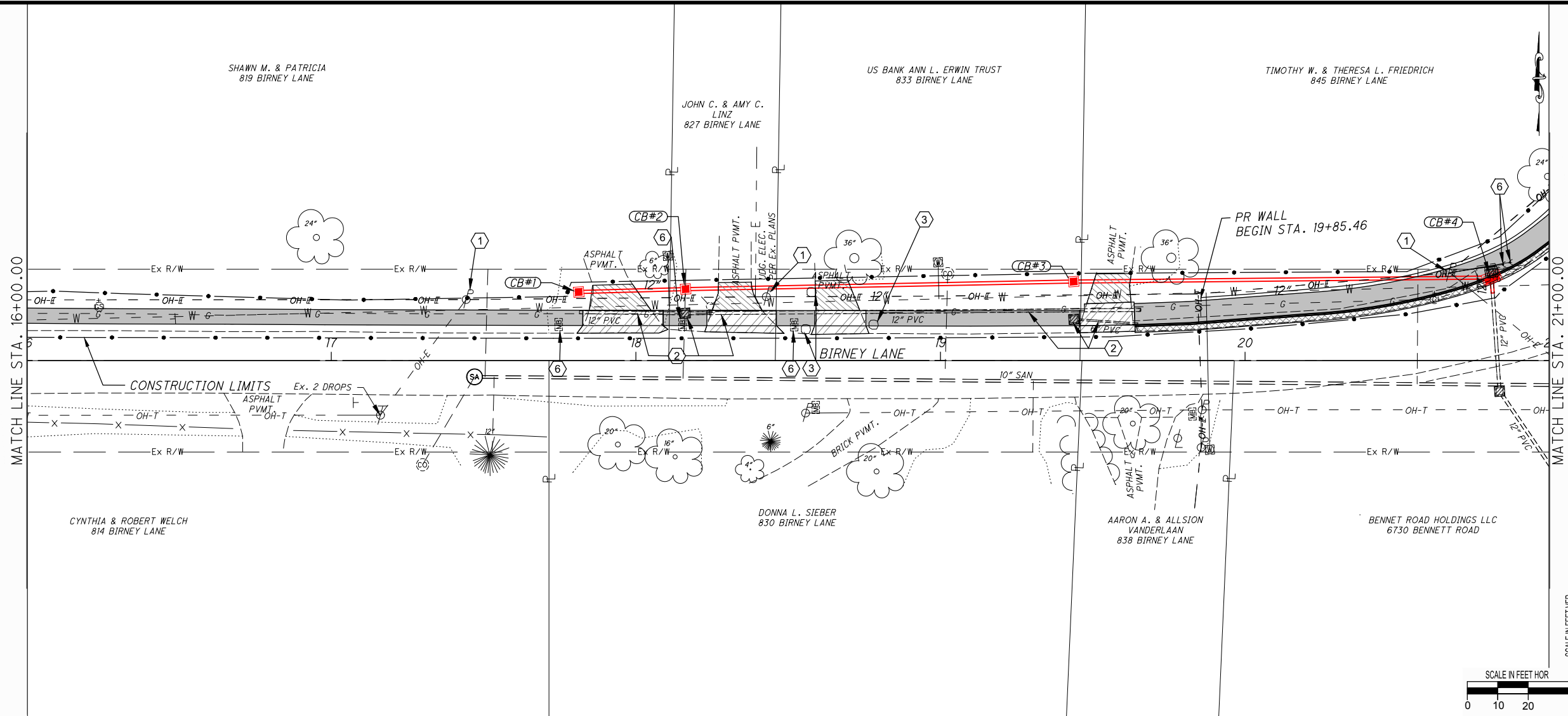
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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP**

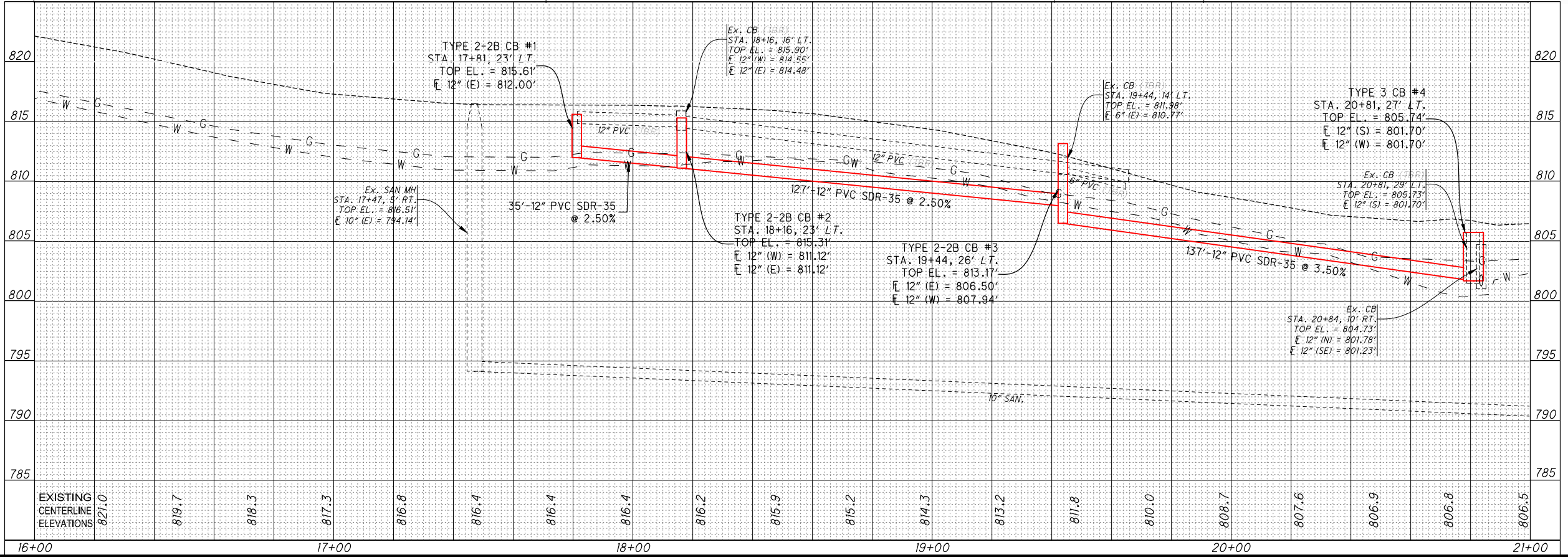
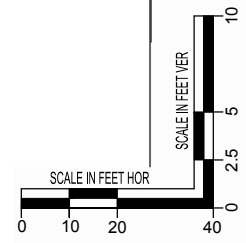
PLAN AND PROFILE - STA. 13+00.00 TO STA. 16+00.00

REVISIONS:
FILE NAME GPO01
DRAWN BY SNP
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PROJECT No. HAMAND2302
DATE 08-15-2024
SHEET NUMBER 9 OF 24

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- LEGEND**
- ① DO NOT DISTURB
 - ② REMOVE
 - ③ RELOCATE
 - ④ BY OTHERS
 - ⑤ ADJUST TO GRADE
 - ⑥ REMOVE AND RESET
 - ⑦ TO BE ABANDONED



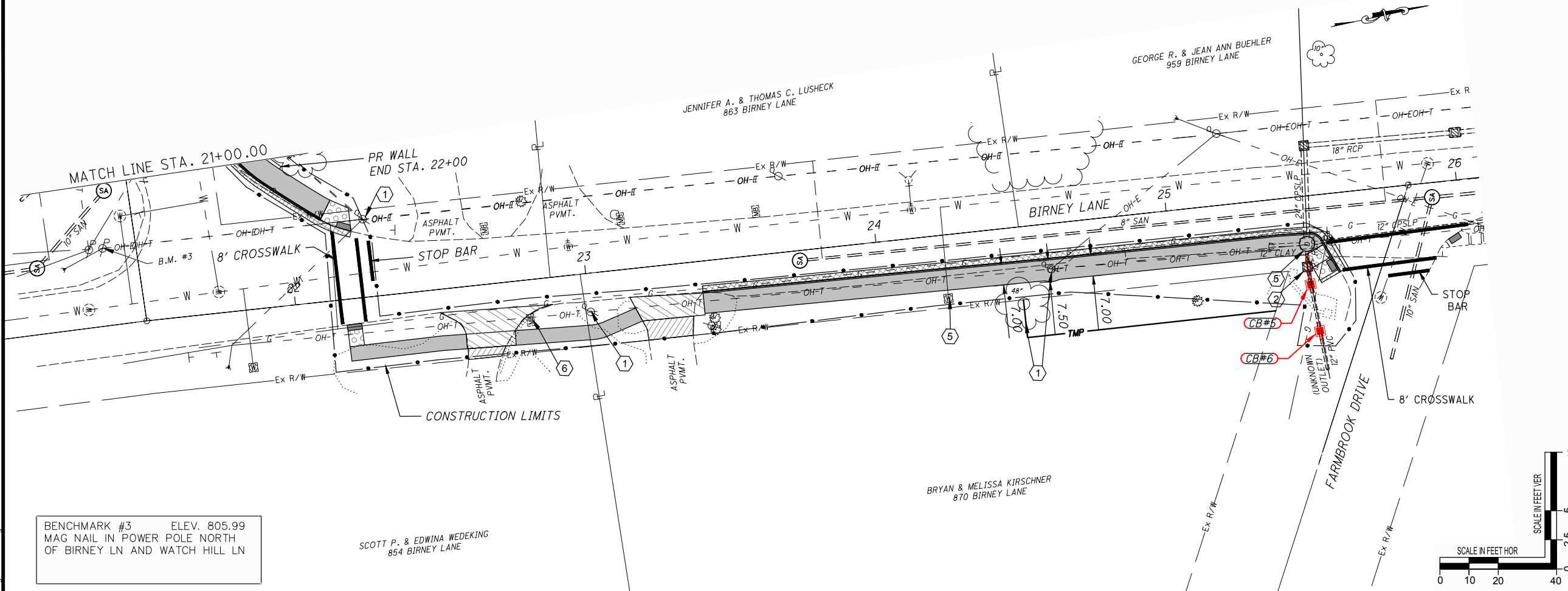
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 PLAN AND PROFILE - STA. 16+00.00 TO STA. 21+00.00**

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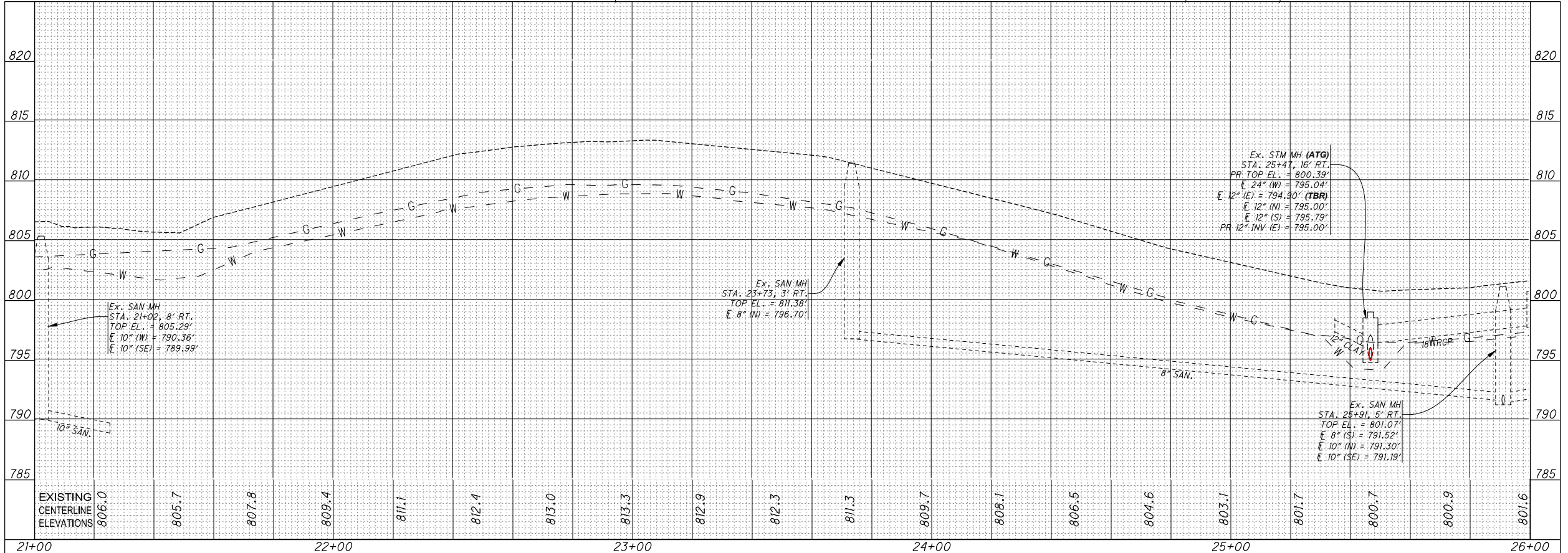
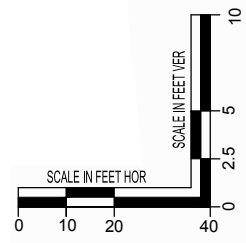
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DATE	08-15-2024
SHEET NUMBER	10 OF 24

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BENCHMARK #3 ELEV. 805.99
MAG NAIL IN POWER POLE NORTH
OF BIRNEY LN AND WATCH HILL LN

SCOTT P. & EDWINA WEDEKING
854 BIRNEY LANE



- LEGEND**
- ① DO NOT DISTURB
 - ② REMOVE
 - ③ RELOCATE
 - ④ BY OTHERS
 - ⑤ ADJUST TO GRADE
 - ⑥ REMOVE AND RESET
 - ⑦ TO BE ABANDONED

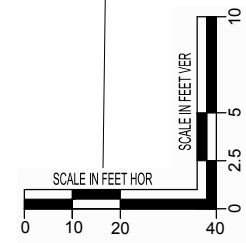
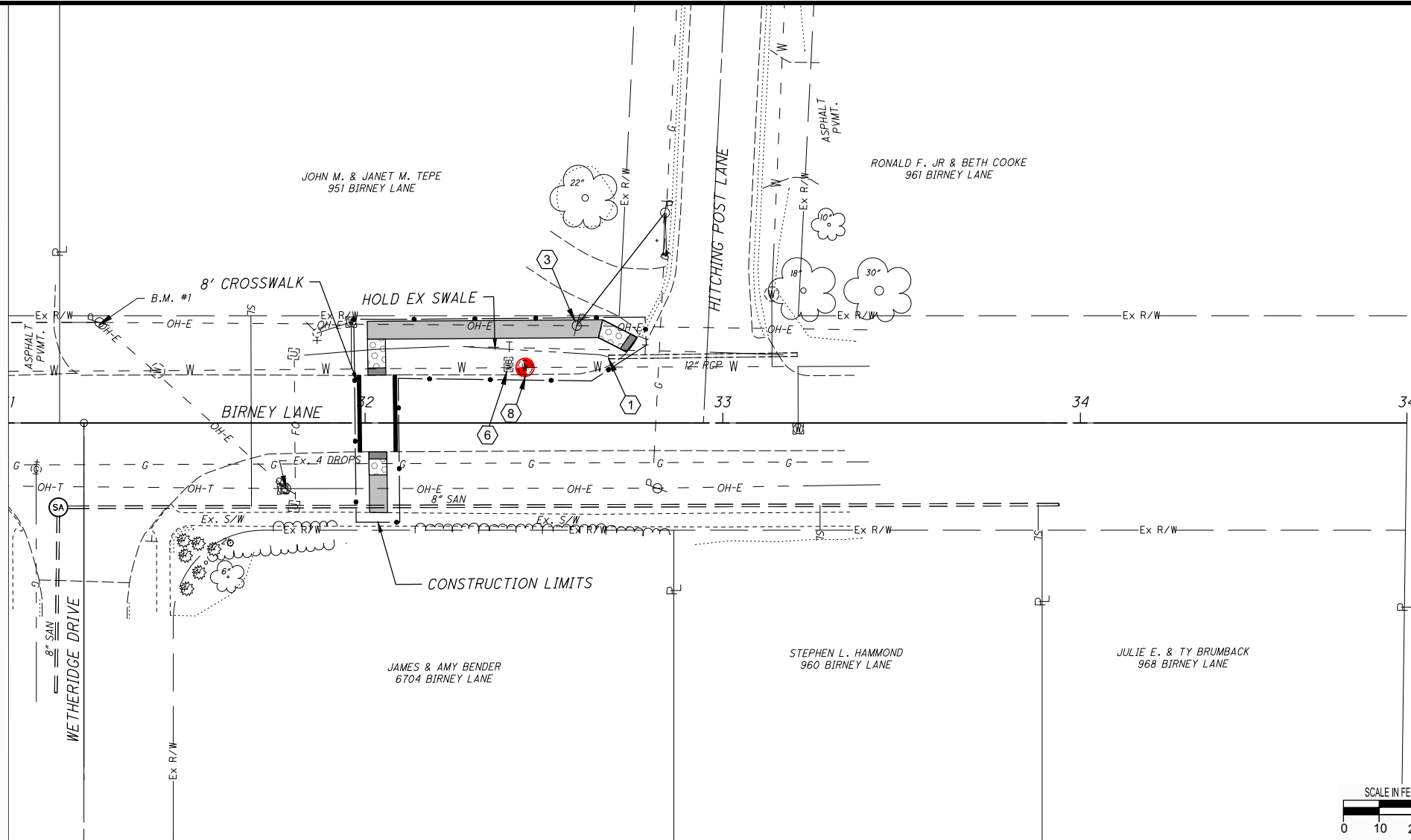


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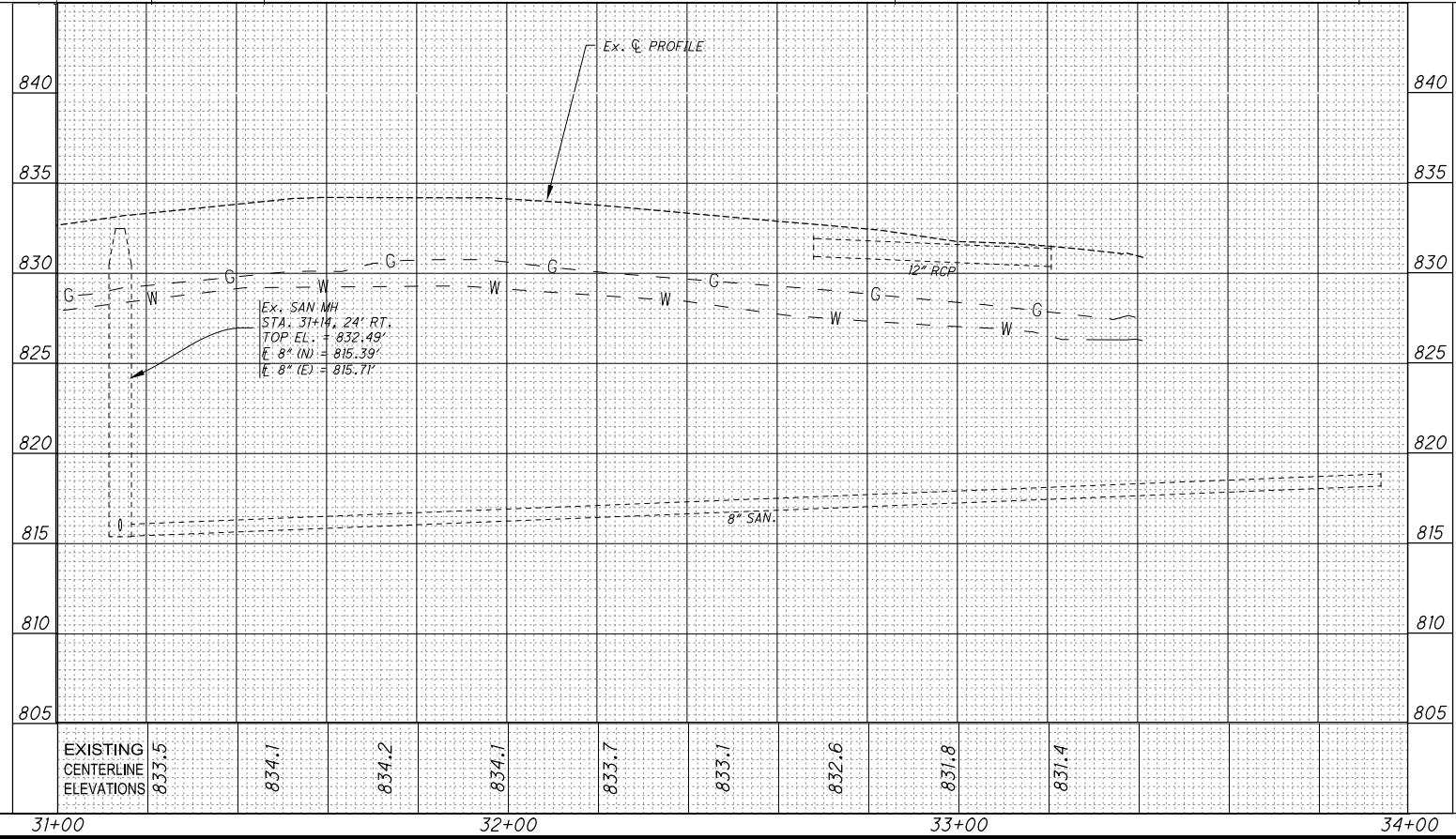
**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
PLAN AND PROFILE - STA. 21+00.00 TO STA. 26+00.00**

REVISIONS:

FILE NAME	GP003
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	



- LEGEND**
- ① DO NOT DISTURB
 - ② REMOVE
 - ③ RELOCATE
 - ④ BY OTHERS
 - ⑤ ADJUST TO GRADE
 - ⑥ REMOVE AND RESET
 - ⑦ TO BE ABANDONED
 - ⑧ RECONSTRUCT TO GRADE

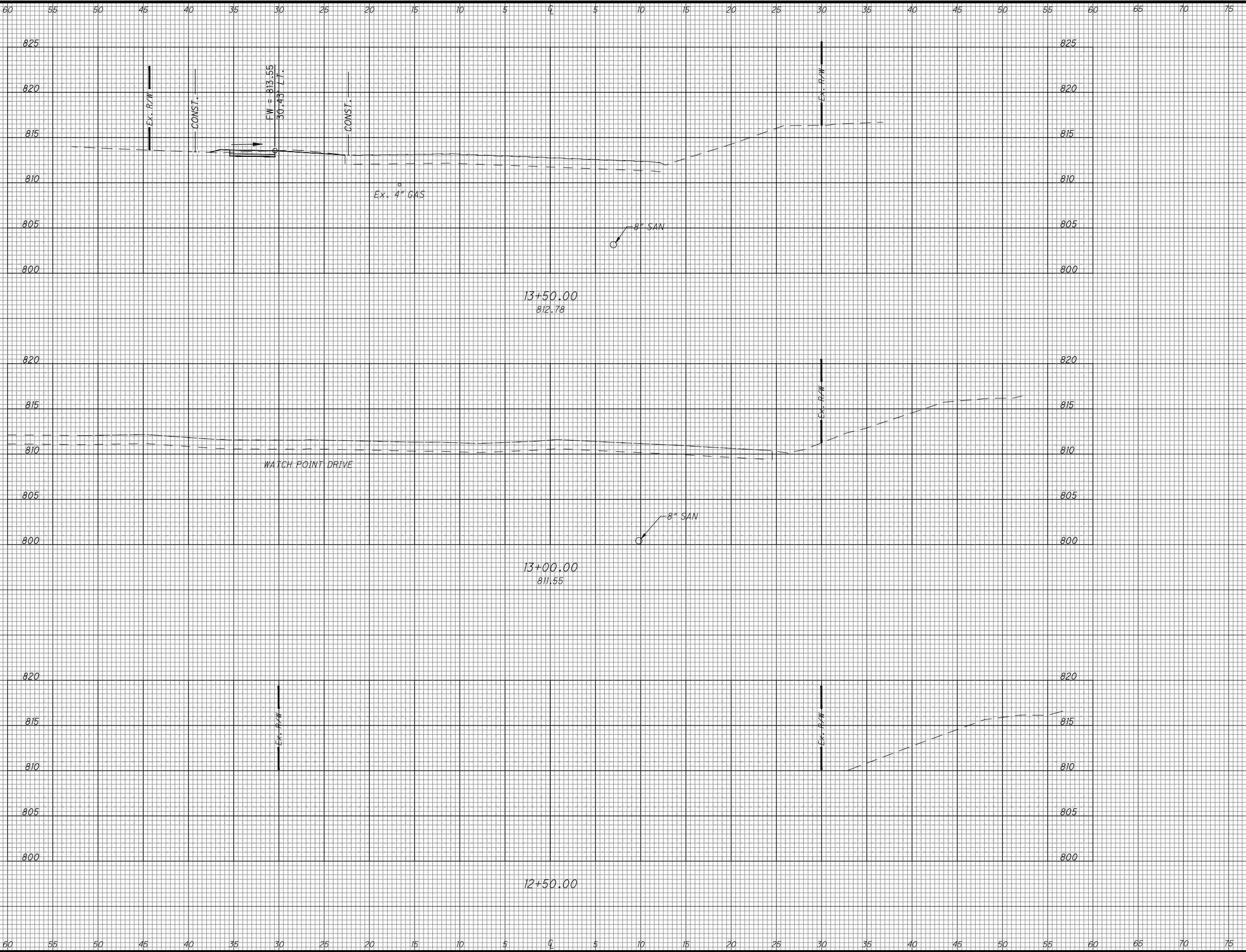


**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
PLAN AND PROFILE - STA. 31+00.00 TO STA. 34+00.00**

REVISIONS:

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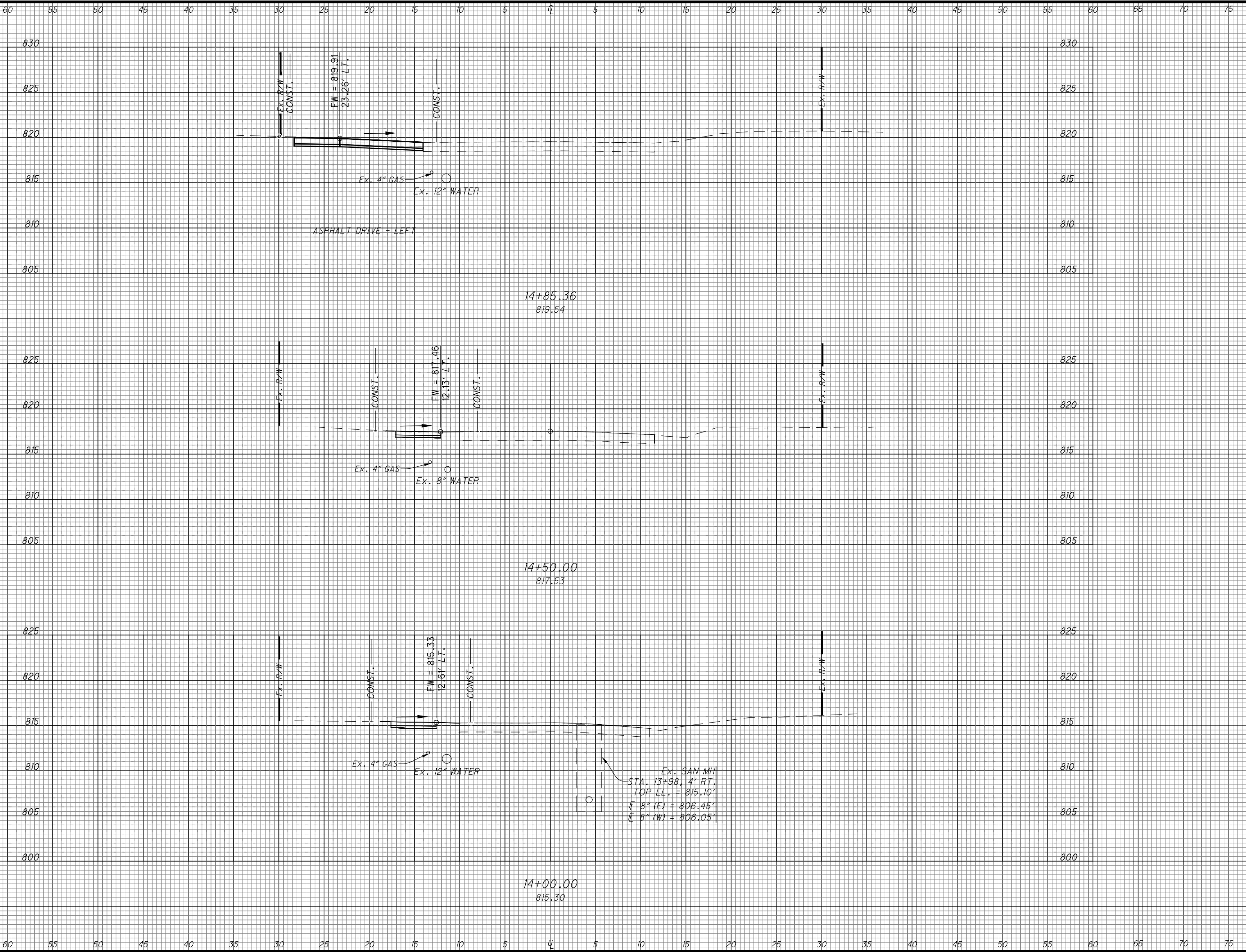
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 BIRNEY LANE STA 12+50.00 TO STA 13+50.00**

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	13 OF 24

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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 14+00.00 TO STA 14+85.36**

REVISIONS:

FILE NAME
XS001

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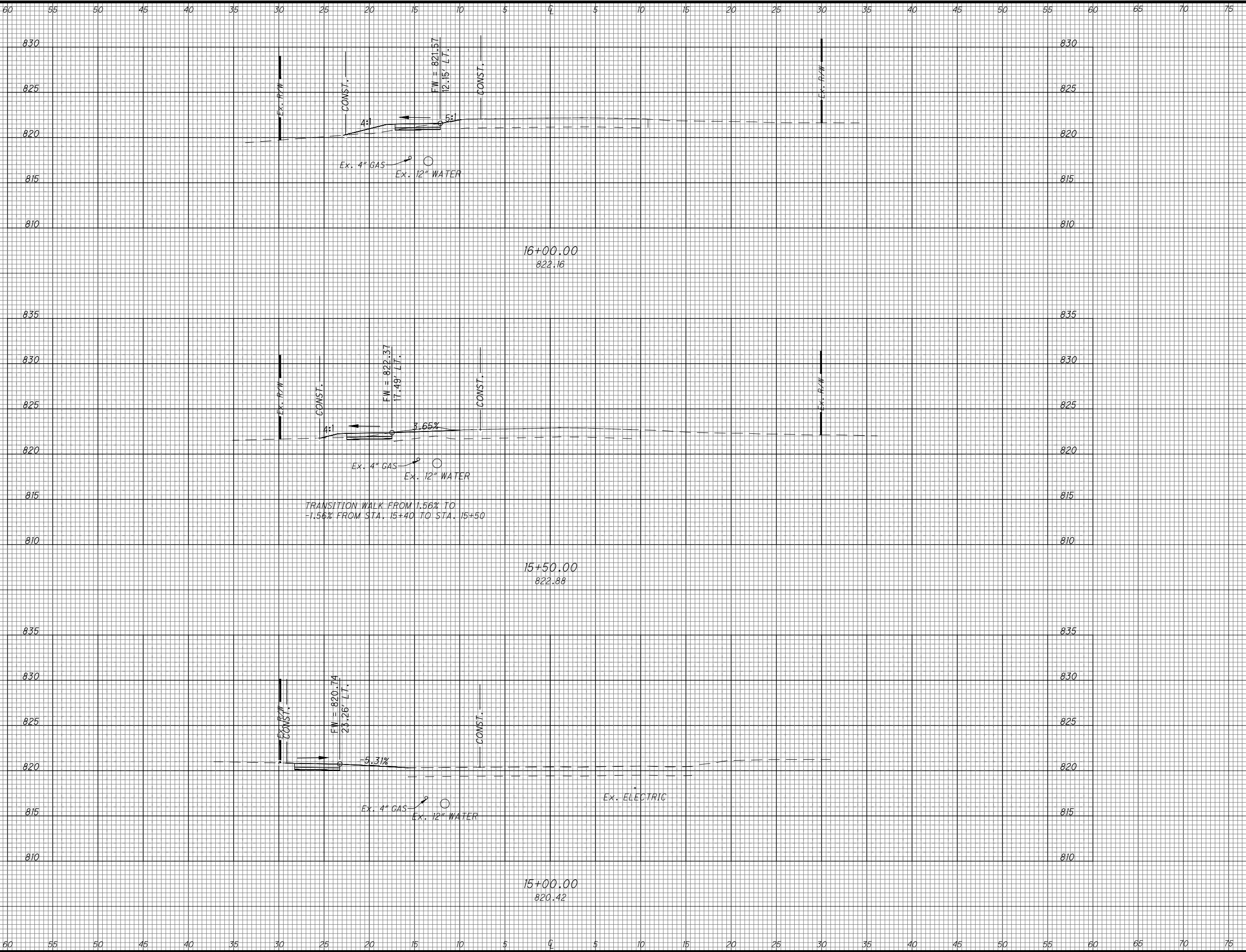
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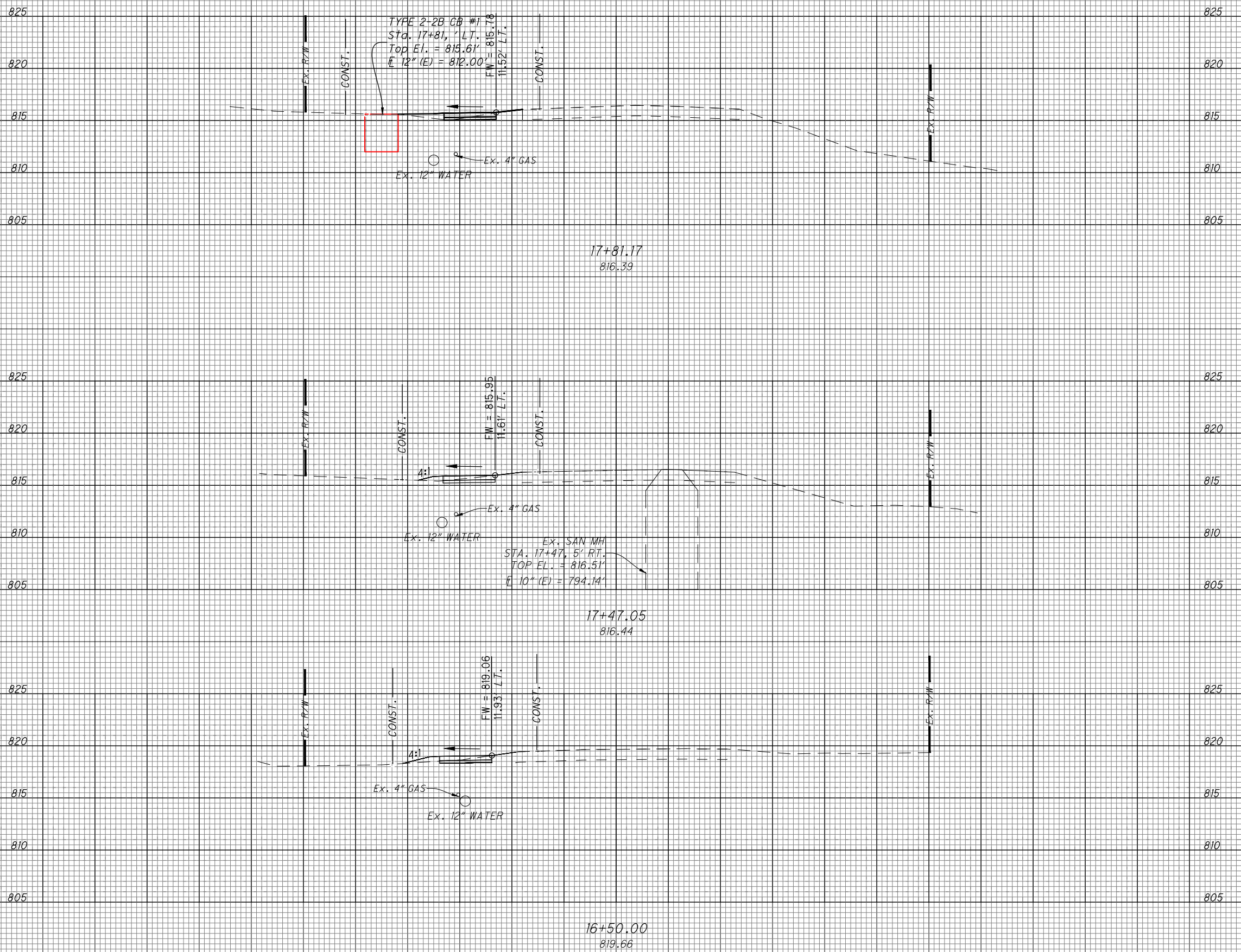
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 BIRNEY LANE STA 15+00.00 TO STA 16+00.00**

REVISIONS:

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DATE	08-15-2024
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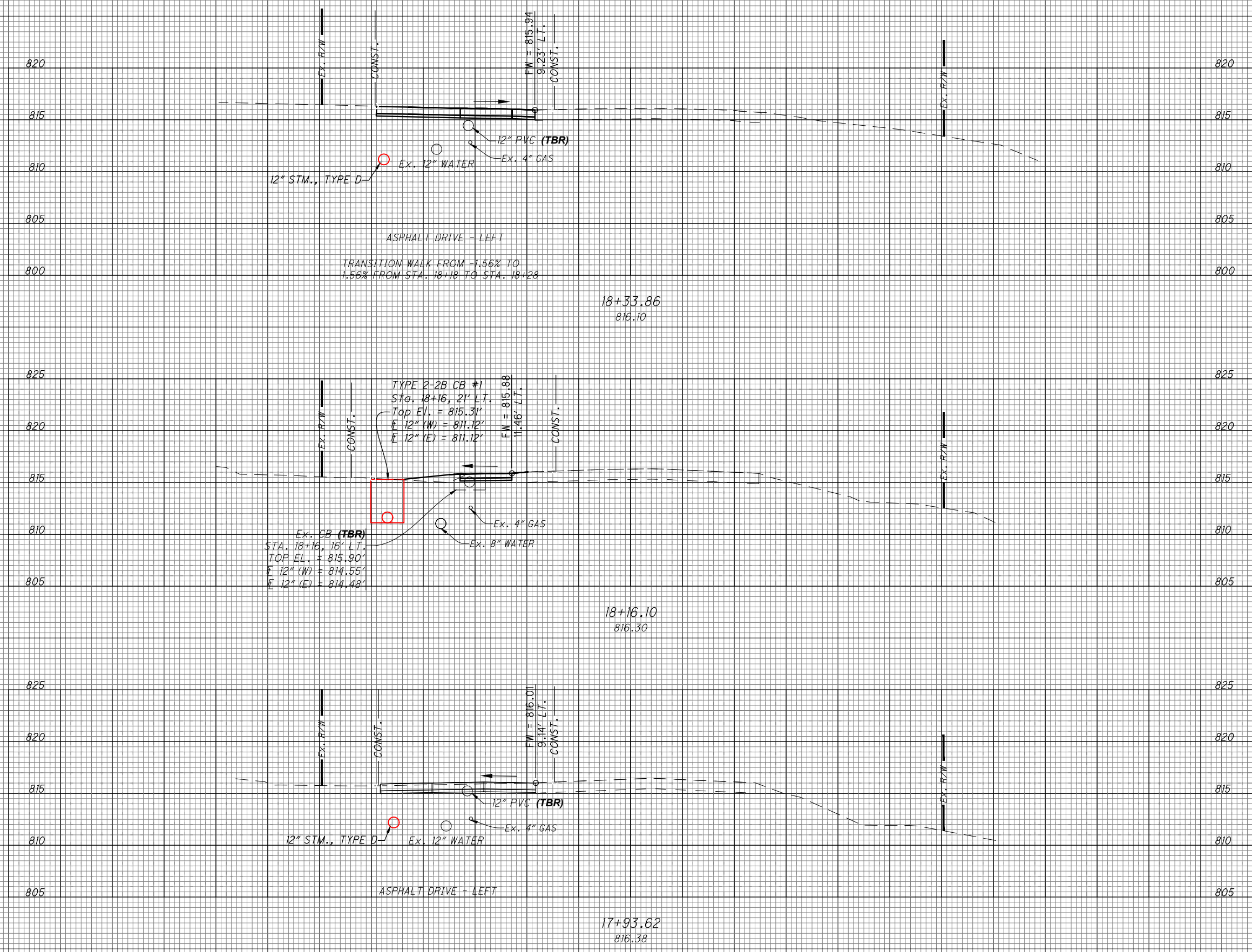
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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 16+50.00 TO STA 17+81.17**

REVISIONS:

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PROJECT No.	HAMAND2302
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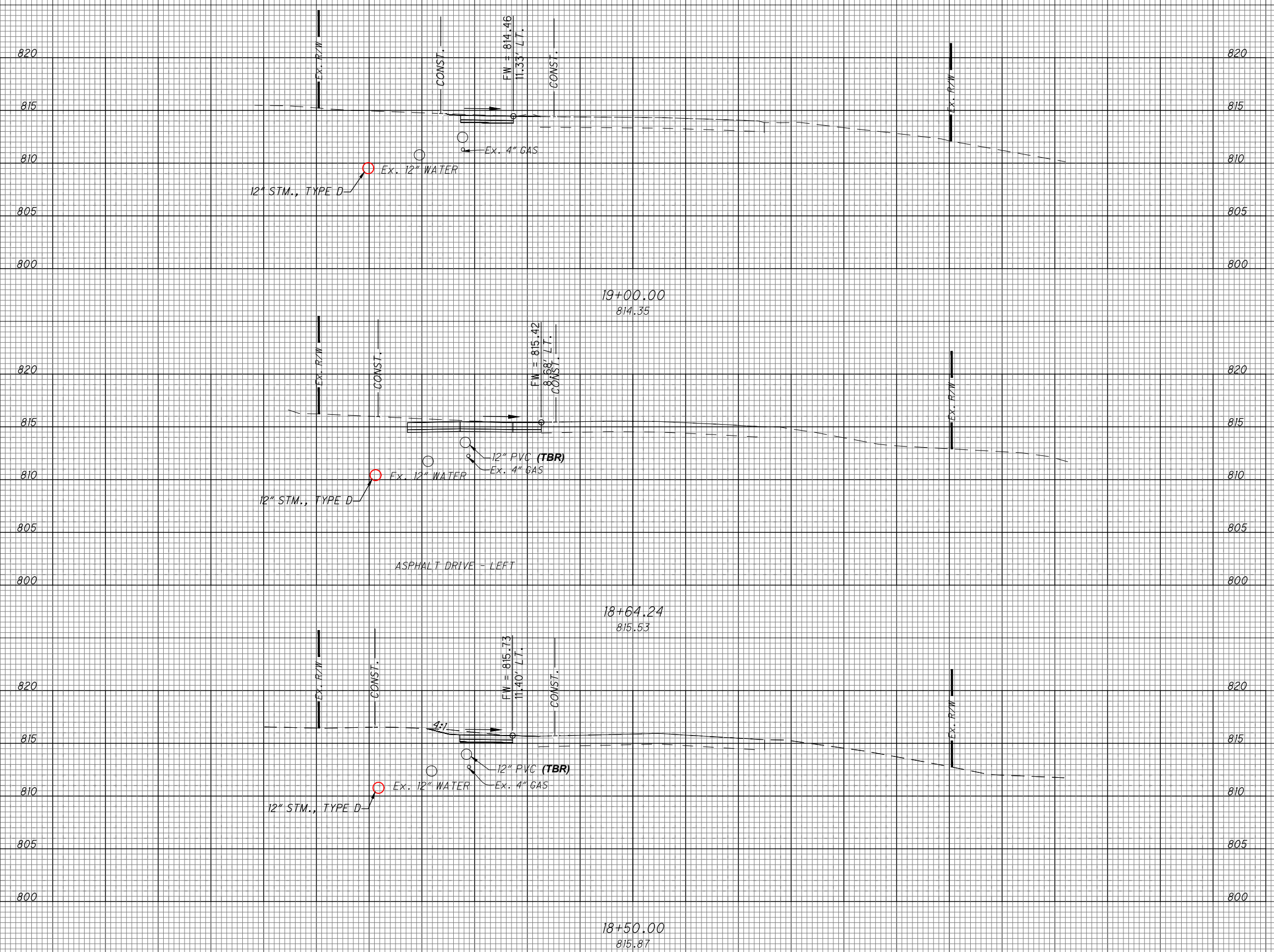
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 BIRNEY LANE STA 17+93.62 TO STA 18+33.86**

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
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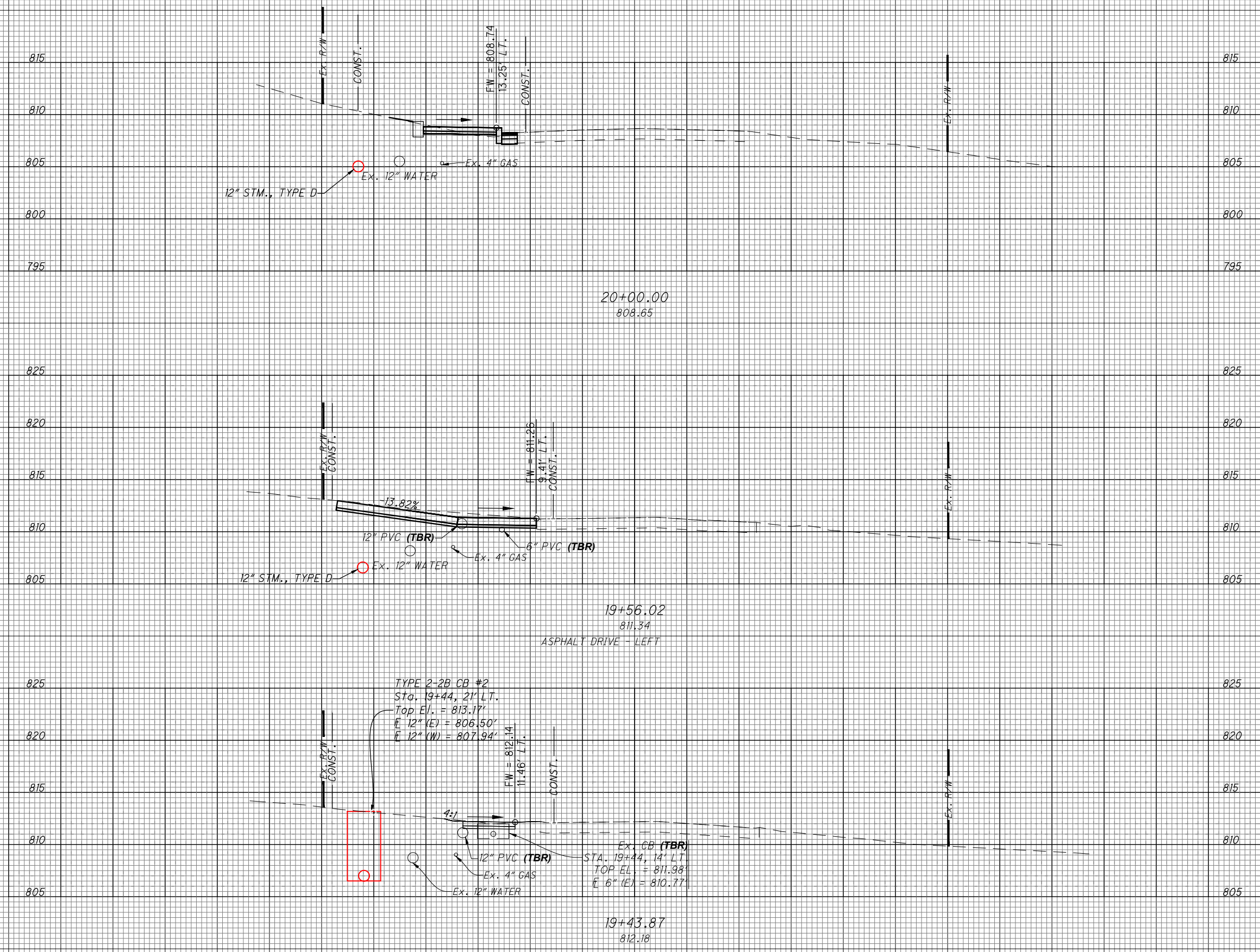
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 BIRNEY LANE STA 18+50.00 TO STA 19+00.00**

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	18 OF 24

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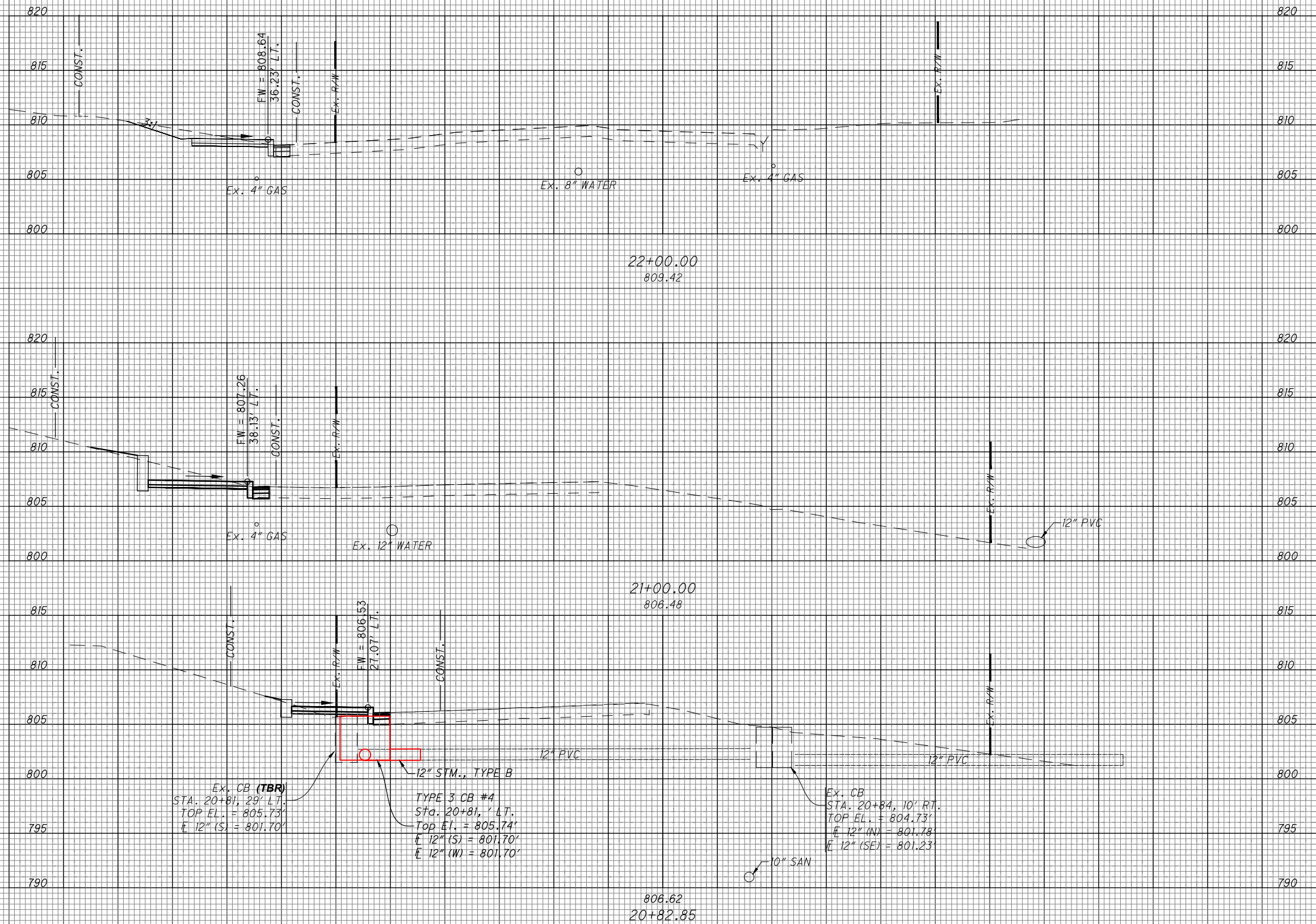
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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 19+43.87 TO STA 20+00.00**

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	19 OF 24

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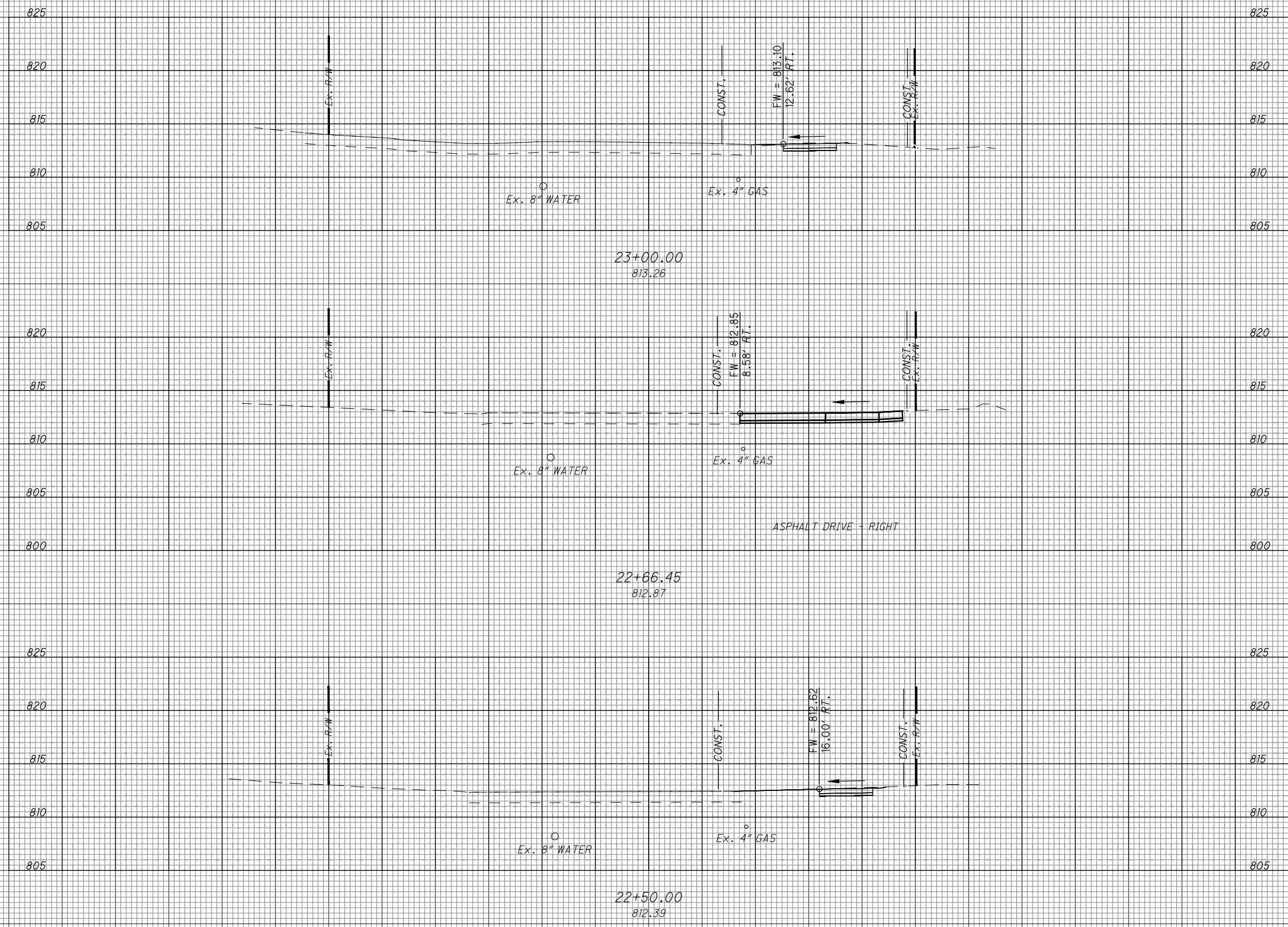
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BIRNEY LANE SIDEWALK ANDERSON TOWNSHIP BIRNEY LANE STA 20+80.85 TO STA 22+00.00

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	20 OF 24

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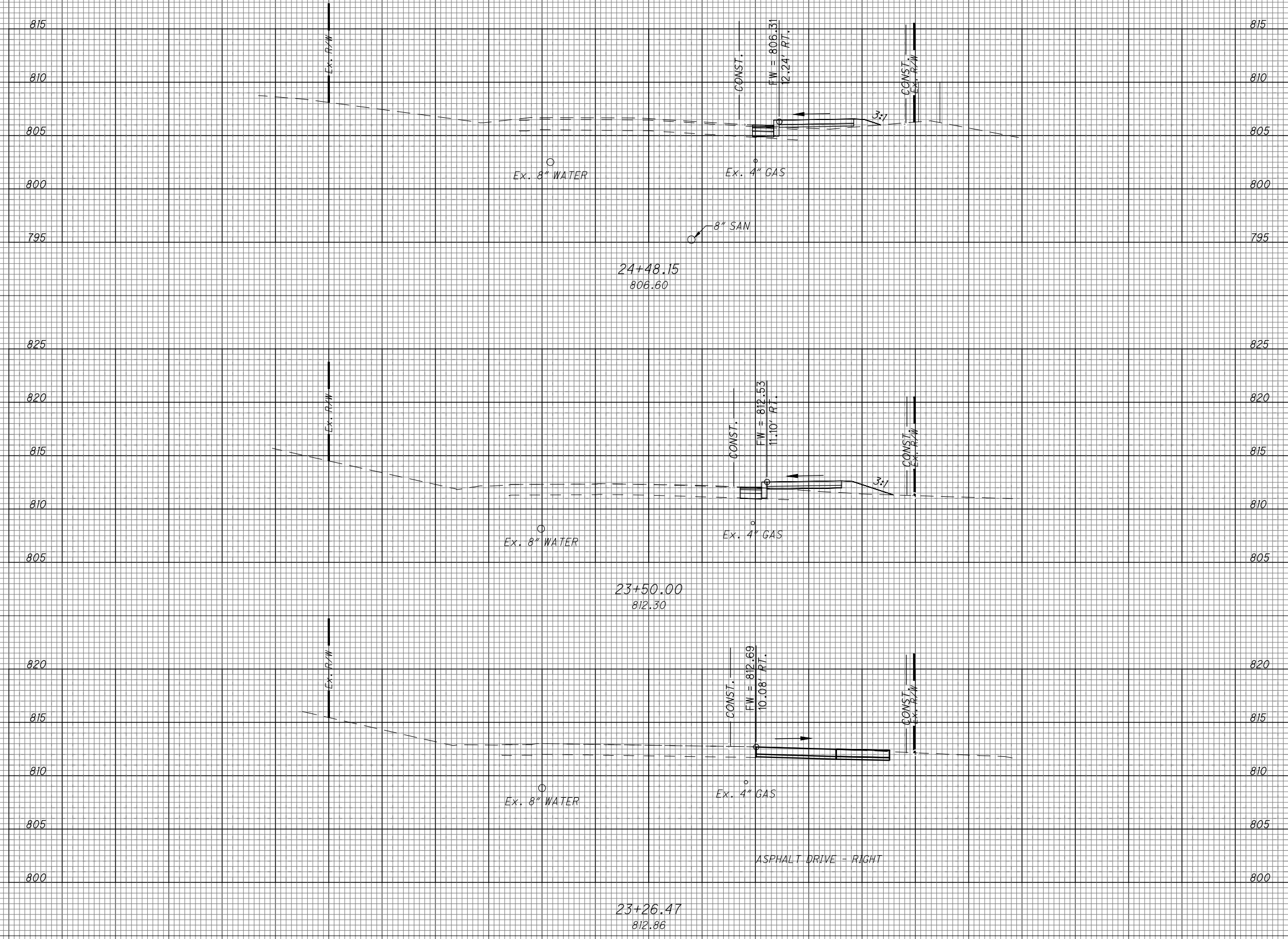
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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 22+50.00 TO STA 23+00.00**

REVISIONS:

FILE NAME	XS001
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	21 OF 24

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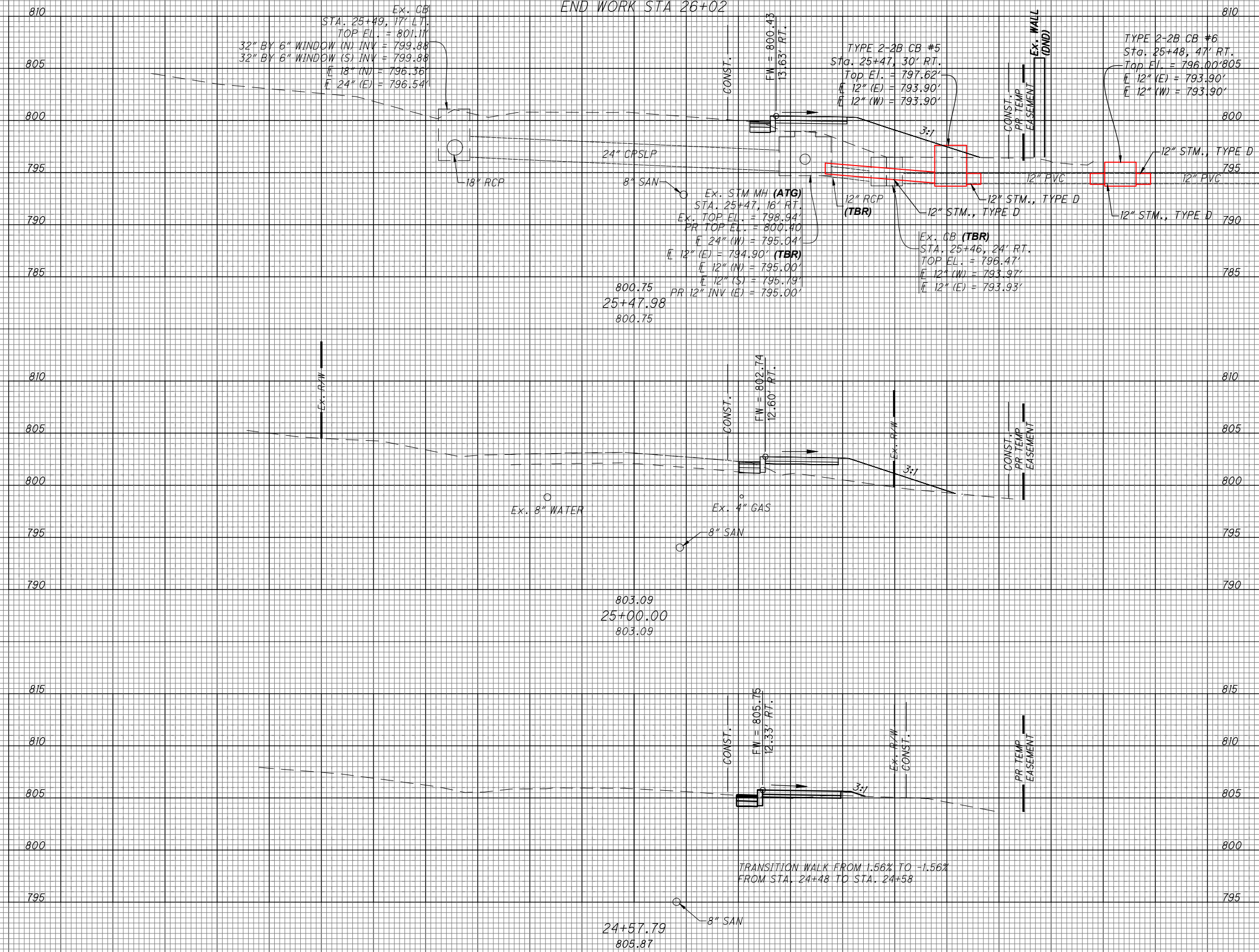
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**BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 23+26.47 TO STA 24+48.15**

REVISIONS:

FILE NAME	XS001
DRAWN BY	SNP
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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	22 OF 24

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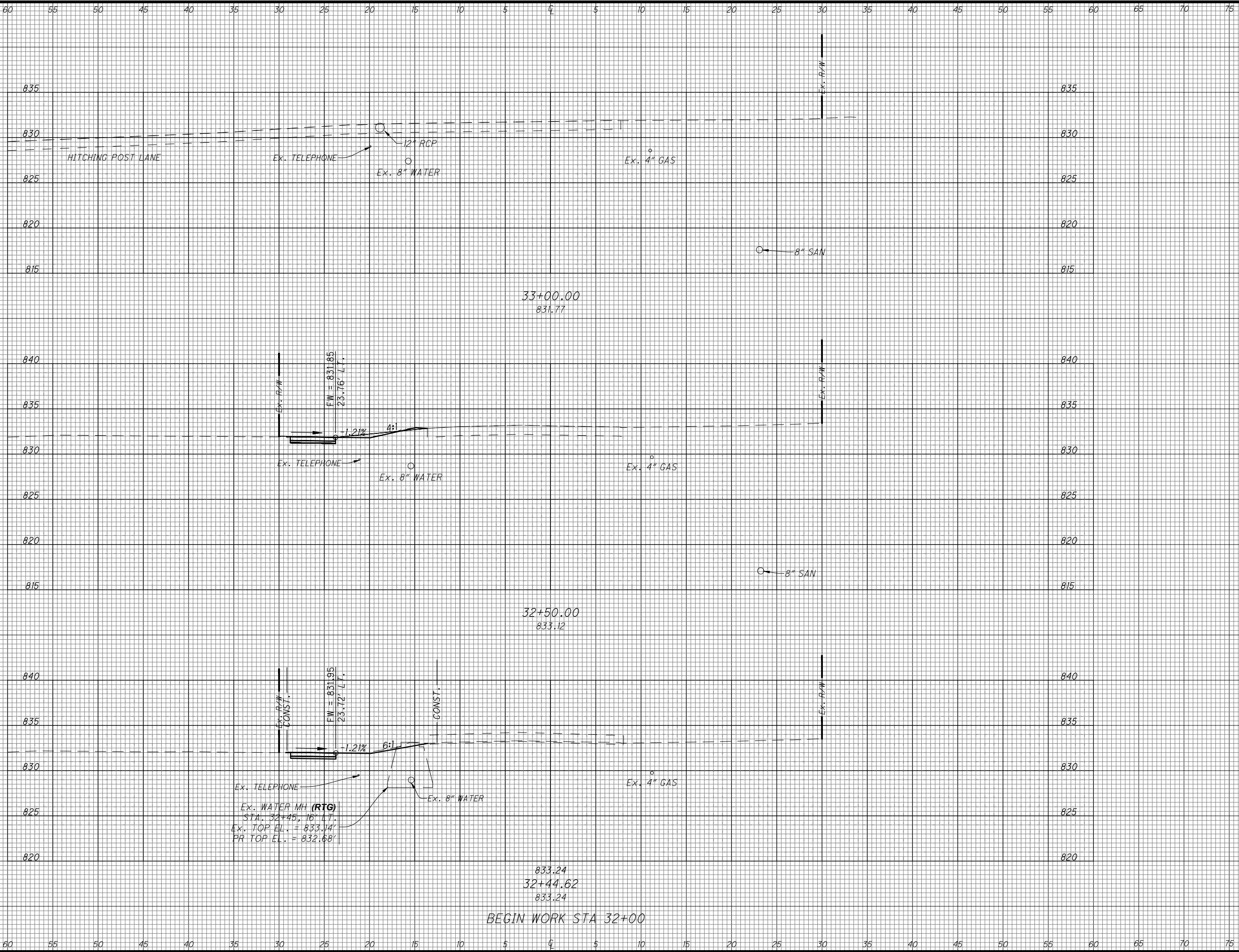
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BIRNEY LANE SIDEWALK
ANDERSON TOWNSHIP
BIRNEY LANE STA 24+57.79 TO STA 25+47.98

REVISIONS:

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PROJECT No.	HAMAND2302
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**BIRNEY LANE SIDEWALK
 ANDERSON TOWNSHIP
 BIRNEY LANE STA 32+44.62 TO STA 33+00.00**

REVISIONS:

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PROJECT No.	HAMAND2302
DATE	08-15-2024
SHEET NUMBER	24 OF 24