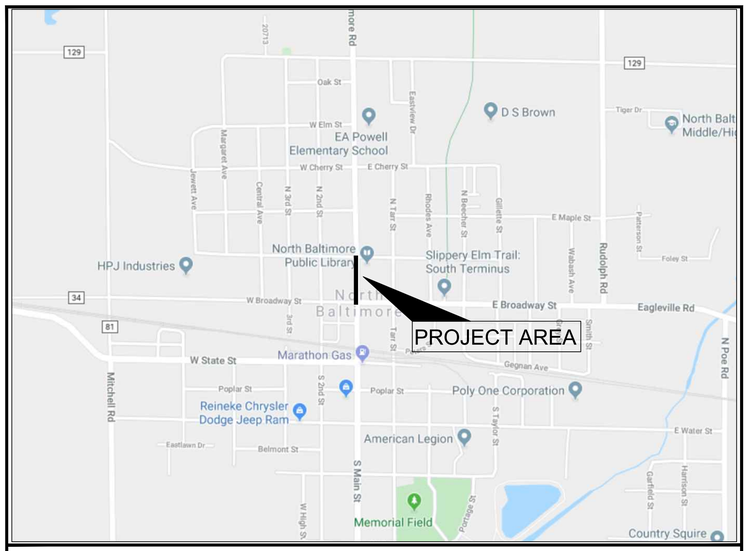
N MAIN STREET RECONSTRUCTION PHASE 2

VILLAGE OF NORTH BALTIMORE

WOOD COUNTY, OHIO

190961



VICINITY MAP

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ODOT STANDARD DRAWINGS

THE CURRENT EDITION OF THE ODOT STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

PROJECT SPECIFICATIONS

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE JANUARY 1, 2019 STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

PROJECT DESCRIPTION

RECONSTRUCTION OF APPROXIMATELY 485LF OF NORTH MAIN STREET BETWEEN BROADWAY AND WALNUT STREET INCLUDING PAVEMENT RECONSTRUCTION, NEW SIDEWALK, AND DRAINAGE STRUCTURES.

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

STATE OF OHIO
JULIE LYNN THOMAS
E-61744
REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION BY:

Janet L. Goldner 04.06.2020

MAYOR JANET GOLDNER, VILLAGE OF NORTH BALTIMORE DATE

your trusted advisor consultants engineers architects planners

Julie L Thomas 4/3/2020

JULIE THOMAS, P.E. #61744 DATE

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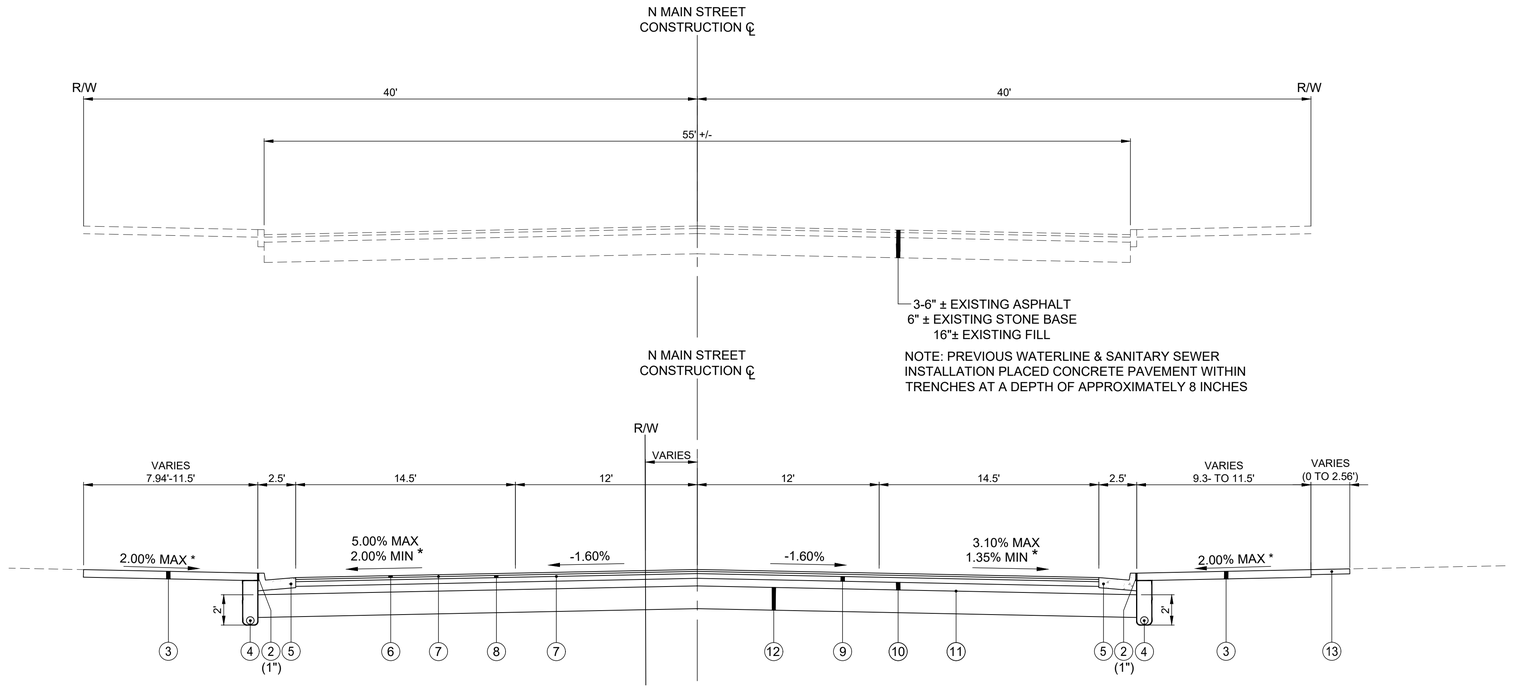
NO	REVISION	DATE

ISSUED FOR: PRELIMINARY
ISSUE DATE: 1/31/20
SCALE: AS SHOWN
DESIGNED BY: PMAD
DRAWN BY: PMAD
CHECKED BY: RHER

N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

TITLE SHEET

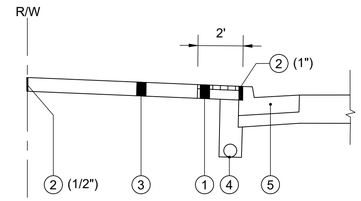
PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME TITLE
SHEET 1 OF 24



TYPICAL SECTION N MAIN STREET - BASE BID

STA 15+95.61 TO STA 20+95

* VARIES, SEE CROSS SECTIONS



TYPICAL SECTION N MAIN STREET - ALTERNATE NO. 1

LEGEND

1. ITEM 608 - WALKWAY, MISC.: STAMPED, COLORED CONCRETE WALK
2. ITEM 705.03 MATERIAL (FLEXIBLE FOAM PRODUCTS MAY NOT BE USED) (INSTALL 1/2" BETWEEN WALK AND ANY FIXED OBJECT IN ACCORDANCE WITH 608.03C)
3. ITEM 608 - 4" CONCRETE WALK
4. ITEM 605 - 4" SHALLOW PIPE UNDERDRAINS
5. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN (SEE BELOW CHART)
6. ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
7. ITEM 407 - NON-TRACKING TACK COAT
8. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
9. ITEM 301 - 3 3/4" ASPHALT CONCRETE BASE, PG64-22
10. ITEM 304 - 6" AGGREGATE BASE
11. ITEM 204 - SUBGRADE COMPACTION
12. ITEM 304 - 12" AGGREGATE BASE, AS PER PLAN - AS DIRECTED BY THE ENGINEER
13. ITEM 653 - TOPSOIL FURNISHED AND PLACED (4") & ITEM 659 - SEEDING & MULCHING CLASS I

ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN

CONTRACTOR SHALL NOTE THAT CURB REVEAL VARIES IN THE FOLLOWING LOCATIONS IN ORDER TO MEET:

- EXISTING ELEVATIONS AT THE RIGHT-OF-WAY / TIE IN POINT
- ADA REQUIREMENTS FOR SIDEWALK CROSS SLOPE
- ODOT DESIGN STANDARDS FOR PAVEMENT CROSS SLOPE IN TRAVEL LANES.

DUE TO THESE CONDITIONS, CONTRACTOR SHALL PLACE STONE AND ASPHALT COURSES SHOWN IN THE TYPICAL SECTION WITH EXTREME CAUTION TO ENSURE PROPER DRAINAGE THROUGHOUT THE LENGTH OF THE PROJECT, TAKING CARE NOT TO CREATE AREAS OF PONDING AT THE CURB LINE.

IN ADDITION TO THESE MODIFICATIONS, SEE "DROP CURB DETAIL - FIRE STATION DRIVE" (SHEET 14), FOR MODIFICATIONS IN FRONT OF THE FIRE STATION.

LOCATIONS TO VARY CURB HEIGHT

STATION	SIDE	CURB HEIGHT	SEE SHEET
18+00	LT	4"	10, 17
18+25	LT	4"	11
19+00	RT	5"	12
19+90	LT	5"	19
20+00	LT	5"	13, 19
20+10	LT	5"	19
20+25	LT	3"	19
20+68.93	LT	4"	19
20+75	LT	4"	19
20+95	LT	4"+/-	19

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N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

TYPICAL SECTION

PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME TYP
SHEET 2 OF 24

GENERAL NOTES

GENERAL SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE VILLAGE OF NORTH BALTIMORE AND THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION 2019 CONSTRUCTION AND MATERIAL SPECIFICATIONS. AS SPECIFIED IN CMS 102.01 BIDDERS ARE REQUIRED TO BE PREQUALIFIED WITH ODOT.

UTILITIES

UTILITIES DATA IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANIES AND HAS NOT BEEN VERIFIED BY THE ENGINEER. THE ENGINEER OR THE OWNER IS NOT RESPONSIBLE OR LIABLE FOR DATA SUPPLIED BY OTHERS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.

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

VILLAGE OF NORTH BALTIMORE
205 NORTH MAIN STREET
NORTH BALTIMORE, OHIO 45872
419-257-2141

CHARTER COMMUNICATIONS
JOE SHRIDER
205 CRYSTAL AVENUE
FINDLAY, OHIO 45840
419-304-4010 (CELL) OR 419-429-7424
Joe.Shrider@charter.com

COLUMBIA GAS OF OHIO
KURT SAUM, FIELD ENGINEER
1800 BROAD AVENUE
FINDLAY, OHIO 45840
419-429-9809 (CELL) OR 419-427-3216
ksaum@nisource.com

AEP - AMERICAN ELECTRIC POWER
GERALD PISARSKY
2622 STATE ROUTE 100
TIFFIN, OHIO, 44883
419-209-5583
gdpisarsky@aep.com

MCI TELECOMMUNICATIONS
ALLAN GUEST
120 RAVINE AVENUE
AKRON, OHIO 44303
330-253-8267
allanguest@verizon.com

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITY SERVICES

ALL SERVICES ARE NOT SHOWN ON THE PLANS, HOWEVER, THE CONTRACTOR SHALL ASSUME EACH BUSINESS/RESIDENCE IS SERVED BY THE ABOVE UTILITIES AND THE COSTS TO WORK AROUND THESE SERVICES SHALL BE INCLUDED IN THE COST OF THE PROJECT.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE VILLAGE A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE CLOSURES, AND OR ROAD CLOSURES. THE VILLAGE WILL NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

REVIEW OF DRAINAGE FACILITIES

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

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 VILLAGE.

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 ENGINEER.

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

CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE ENGINEER.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE FIELD INSPECTOR DURING CONSTRUCTION.

CONNECTIONS OF EXISTING CONDUITS

WHERE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER 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 ENGINEER 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 AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER 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.

MANHOLES, CATCH BASINS AND INLETS

ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE STANDARD CONSTRUCTION DRAWINGS. ALL CASTINGS WHICH MIGHT BE SUBJECT TO VEHICLE TRAFFIC SHALL BE OF THE HEAVY DUTY GRADE. GRATED INLET TOPS SHALL BE PLACED AS SPECIFIED ON THE PLANS.

TOP OF CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER. ALL MANHOLES WITHIN WALK AREA SHALL HAVE A FLAT FLUSH COVER. ALL CASTINGS USED SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE ENGINEER.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE FIELD INSPECTOR'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT INTO THE PROPOSED DITCH OR DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER.

CONTINGENCY QUANTITIES HAVE BEEN PROVIDED AS NOTED BELOW AND SHALL ONLY BE USED AT THE DIRECTION OF THE ENGINEER:

ITEM 611 - 50 LF - 4" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION
ITEM 611 - 100 LF - 6" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION
ITEM 611 - 50 LF - 8" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 6:00 PM AND 6:00 AM MONDAY THRU FRIDAY, NO WORK ON SATURDAY, SUNDAY, AND LEGAL HOLIDAYS. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

EXISTING SURVEY POINTS

SURVEY MONUMENTS, PROPERTY PINS, BENCHMARKS AND EXISTING CONTROL POINTS DAMAGED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED BY AN OHIO REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. SHOULD THE CONTRACTOR FAIL TO REPLACE THESE POINTS, THE OWNER SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENS AFTER THREE WEEKS NOTICE.

STRUCTURES IN PAVEMENT

NORTH MAIN STREET SHALL BE PREPARED AS SPECIFIED IN THE PLANS. ALL STRUCTURES IN THE PAVEMENT, INCLUDING BUT NOT LIMITED TO, CATCH BASINS, GAS VALVES, WATER VALVES, AND MANHOLES SHALL BE ADJUSTED TO THE FINISHED GRADE AS PART OF THIS CONTRACT BY A METHOD APPROVED BY THE VILLAGE.

IN ADDITION, ALL MANHOLES AND CATCH BASINS SHALL HAVE AN 18-INCH WIDE BY 8-INCH THICK CONCRETE COLLAR CAST SURROUNDING THE CASTING. VALVES SHALL HAVE A 12-INCH WIDE BY 6-INCH THICK CONCRETE COLLAR CAST SURROUNDING THE VALVE BOX. 4,000 PSI COMPRESSIVE STRENGTH CONCRETE SHALL BE USED.

TIE-IN POINTS

THE PAVEMENT RECONSTRUCTION SHALL BE TIED INTO THE EXISTING ASPHALT EDGE OF PAVEMENT WITH A 15 FOOT BUTT JOINT. ALL BUTT JOINTS SHALL BE IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING BP-3.1 AND IN ADDITION SHALL INCLUDE A 6-INCH WIDE STRIP OF ASPHALT BINDER 702.01 APPLIED TO THE SURFACE OF THE JOINT. PAYMENT FOR THE BINDER AND ITS APPLICATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22. THE REMAINING COST OF THE BUTT JOINT, EXCEPT FOR THE ASPHALT CONCRETE MATERIAL, SHALL BE INCLUDED WITH THE COST OF THE PROJECT.

ROADWAY SIGNS, STREET SIGNS AND SUPPORTS

ROADWAY SIGNS, STREET SIGNS AND SUPPORTS WHICH INTERFERE WITH CONSTRUCTION WILL BE HANDLED IN ACCORDANCE WITH SECTION 107.10 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND ANY COSTS ASSOCIATED WITH THEIR REMOVAL AND REERECTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SANITARY CONTINGENCIES

ANY ACTIVE CONNECTION TO THE EXISTING COMBINED SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SANITARY SEWER TO THE SATISFACTION OF THE ENGINEER.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED ON THE BID FORM FOR USE, AS DIRECTED BY THE ENGINEER, FOR THE WORK NOTED ABOVE:

ITEM 611, 6" CONDUIT, TYPE B, 707.45 50 FT.

OWNER/TENANT NOTIFICATION

AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY EACH OWNER/TENNANT OF THE PROPERTIES FRONTING THE WORK AREA.

BEGINNING CONSTRUCTION

THE CONTRACTOR WILL NOTIFY THE ENGINEER SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING ACTUAL CONSTRUCTION.

PART -WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

SAW CUTTING EXISTING PAVEMENT

ALL EXISTING PAVEMENT SHALL BE SAW CUT WITH A DIAMOND TIPPED BLADE BEFORE REMOVAL TO OBTAIN A UNIFORM EDGE. THE COST OF SAW CUTTING AND PAVEMENT REMOVAL SHALL BE INCIDENTAL TO ITEM 203, EXCAVATION, UNLESS OTHERWISE NOTED.

ITEM 611, CONDUIT, AS PER PLAN

THE PLANS INDICATE LOCATIONS WHERE PROPOSED CONDUIT SHALL BE TIED INTO EXISTING DRAINAGE STRUCTURES. THE COST FOR ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO MAKE THESE CONNECTIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 611 CONDUIT ITEM.
IN ADDITION, ODOT CMS 611.04, 611.12 AND 611.13 SHALL NOT APPLY TO THIS PROJECT.

PROTECTION OF CONCRETE SURFACE

IN ADDITION TO THE REQUIREMENTS OF THE ODOT CMS AND ITEM 608 IN PARTICULAR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL CONCRETE SURFACES (EXISTING TO REMAIN AND NEW) FROM DAMAGE OF ALL TYPES DURING CONSTRUCTION. THIS INCLUDES DAMAGE FROM FOOT AND VEHICULAR TRAFFIC, WEATHER RELATED DAMAGE, STAINING FROM SPILLS, SCUFFING, SCRATCHING, DIFFERENCES IN SURFACE COLOR, ETC. ANY DAMAGE THAT DOES OCCUR PRIOR TO , OR AFTER CURING, SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

ITEM 201 CLEARING AND GRUBBING, AS PER PLAN

THIS WORK SHALL CONSIST OF CLEARING, GRUBBING, REMOVAL OF ALL TREES AND STUMPS AND ALL VEGETATION AND DEBRIS WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENT AREAS. THE WORK SHALL ALSO INCLUDE ANY EXISTING CONCRETE CURB TO BE REMOVED, REMOVAL OF POSTS, ROCKS, LANDSCAPING AND ANY OTHER OBJECTS WITHIN THE CONSTRUCTION LIMITS WHICH THE REMOVAL AND DISPOSAL OF IS DEEMED NECESSARY TO ALLOW FOR THE PROPOSED IMPROVEMENTS TO TAKE PLACE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN

N. MAIN STREET HAS EXISTING WATER MAIN AND SANITARY SEWER TRENCHES THAT HAVE BEEN PAVED WITH CONCRETE WITHIN THE PROJECT AREA. IN ADDITION TO THE REQUIREMENTS OF ITEM 202.05, THIS PAY ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ASPHALT PAVEMENT, CONCRETE PAVEMENT/BASE/TRENCH REPAIR, BRICK BASE, AGGREGATE BASE OR SUBGRADE MATERIAL IN THE ROADWAY OR ADJACENT DRIVES, NECESSARY TO CONSTRUCT THE NEW PAVEMENT LAYERS, INCLUDING AGGREGATE BASE MATERIAL, AS SHOWN ON THE TYPICAL SECTION. A SEPARATE PAY ITEM HAS BEEN INCLUDED FOR THE EXCAVATION OF UNDERCUT AREAS, TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 2 HOUR

UNSUITABLE FOUNDATION SOILS

IF UNSUITABLE FOUNDATION SOILS ARE ENCOUNTERED IN THE AREAS OF THE PROPOSED PAVEMENT, THEY SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL MEETING THE REQUIREMENTS OF 703.17. THE LOCATIONS AND DIMENSIONS WILL BE AS DETERMINED BY THE ENGINEER.

THE FOLLOWING CONTINGENCY QUANTITIES ARE INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER FOR THIS WORK.

ITEM 204 - EXCAVATION OF SUBGRADE	1,128 CY
ITEM 204 - GEOTEXTILE FABRIC	3,210 SY
ITEM 304 - AGGREGATE BASE	1,128 CY
ITEM 861 - GEOGRID FOR SUBGRADE STABILIZATION	3,210 SY

ITEM 608 - WALKWAY, MISC.: STAMPED, COLORED CONCRETE WALK

IN ADDITION TO THE REQUIREMENTS OF 608, THE CONCRETE WALK SHALL BE STAMPED AND COLORED. THE COLOR SHALL BE BRICK RED AND THE TEXTURE SHALL BE A BRICK PATTERN TO MATCH THE 100 BLOCK OF NORTH MAIN STREET IN PATTERN AND COLOR. THE CONTRACTOR SHALL PROVIDE THE VILLAGE WITH SAMPLES OF THE COLOR AND PATTERN FOR REVIEW. CONCRETE SHALL NOT BE ORDERED UNTIL APPROVED BY THE VILLAGE.

WATER WORK

THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED ON THE BID FORM FOR USE, AS DIRECTED BY THE ENGINEER, FOR THE PURPOSE OF RESOLVING A CONFLICT WITH AN EXISTING WATER SERVICE:

ITEM 638 - ¾" COPPER SERVICE BRANCH 50 FEET

THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED ON THE BID FORM FOR USE, AS DIRECTED BY THE ENGINEER, FOR THE PURPOSE OF ADJUSTING/RELOCATING A VALVE BOX:

ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN 1 EACH

IN ADDITION, THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED ON THE BID FORM FOR THE PURPOSE OF ADJUSTING EXISTING APPURTENANCES TO FINAL GRADE UPON COMPLETION OF ALL PROPOSED WORK OR REMOVING AND RESETTING AN APPURTENANCE TO THE FINAL LOCATION AND GRADE:

ITEM 638 - VALVE BOX ADJUSTED TO GRADE	6 EACH
ITEM 638 - WATER WORK, MISC.: METER PIT RELOCATED/ADJUSTED TO GRADE	10 EACH
ITEM 638 - FIRE HYDRANT REMOVED AND RESET	1 EACH

ITEM 659, SEEDING AND MULCHING

APPLY SEEDING AND MULCHING 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.

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N MAIN STREET
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

GENERAL NOTES

PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME GN
SHEET 3 OF 24

ITEM 614. MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, AND TEMPORARY SURFACES USING 410 AND 616.

CONSTRUCTION SHALL BEGIN ON OR AFTER AUGUST 1, 2020 DUE TO THE VILLAGE OF NORTH BALTIMORE'S GOOD OLE SUMMERTIME FESTIVAL, SCHEDULED FOR JULY 25, 2020

SEQUENCE Of CONSTRUCTION

THE FOLLOWING SEQUENCE OF CONSTRUCTION HAS BEEN PROVIDED FOR THE CONTRACTOR'S CONSIDERATION. THE CONTRACTOR MAY PROPOSE ALTERING PORTIONS OF THE PROVIDED SEQUENCE BY SUBMITTING A REVISED MAINTENANCE OF TRAFFIC PLAN TO THE VILLAGE AND RECEIVING THEIR SUBSEQUENT APPROVAL.

ALL ADVANCE WARNING SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS AND STANDARD DRAWINGS PRIOR TO BEGINNING WORK ON ANY PHASE.

PHASE ONE

PHASE ONE SHALL CONSIST OF PAVEMENT, WALK, STORM SEWER INSTALLATION (TRUNK AND BRANCHES) AND LIGHTING ON THE WEST SIDE OF NORTH MAIN TWO-WAY TRAFFIC SHALL SHIFTED TO THE EAST IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS AND DETAILS. THE SURFACE COURSE AND FINAL PAVEMENT MARKINGS ARE NOT TO BE CONSTRUCTED DURING PHASE ONE.

PHASE TWO

PHASE TWO SHALL CONSIST OF PAVEMENT, WALK, STORM SEWER INSTALLATION (BRANCHES) ON THE EAST SIDE OF NORTH MAIN STREET. TWO WAY TRAFFIC SHALL BE SHIFTED TO THE WEST IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS AND DETAILS. THE SURFACE COURSE AND FINAL PAVEMENT MARKINGS ARE NOT TO BE CONSTRUCTED DURING PHASE TWO.

FINAL PHASE

DURING THE FINAL PHASE, THE CONTRACTOR SHALL PAVE THE REMAINING ASPHALT COURSE THROUGHOUT THE PROJECT AREA. DRUMS SHALL CONTINUE TO BE USED AS NEEDED UNTIL THE TRAFFIC IS SHIFTED TO THE FINAL CONFIGURATION AND DELINEATION IS NO LONGER REQUIRED. ALL PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED AT THIS TIME. ALL ADVANCE WARNING SIGNS SHALL BE REMOVED UPON COMPLETION OF ALL CONTRACT ITEMS.

MAINTAINING TRAFFIC, (CONTINUED)

METHODS OF MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ITEM 614, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND THE FOLLOWING:

THE CONTRACTOR SHALL MAINTAIN TWO-WAY THROUGH TRAFFIC AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN THE FOLLOWING SIGNS IN ACCORDANCE WITH THE OMUTCD:

ROAD WORK AHEAD (48" X 48", W20-1)
END ROAD WORK (36" X 18", G20-2)

ALSO, ALL FINAL PAVEMENT MARKINGS SHALL NOT BE APPLIED TO THE NEW SURFACE COURSE BETWEEN THE PERIOD OF NOVEMBER 15 AND MARCH 15. IF THIS CANNOT BE ACCOMPLISHED UNDER SPECIFICATION CONDITIONS, THE CONTRACTOR SHALL APPLY TEMPORARY PAVEMENT MARKINGS. THE PERMANENT MARKINGS SHALL THEN BE APPLIED WHEN SPECIFICATION CONDITIONS CAN BE MET.

DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL PERIODS OF CONSTRUCTION BY USE OF EXISTING AND PROPOSED PAVEMENT, BERMS OR SHOULDERS TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL PROVIDE RESIDENTS AND/OR BUSINESSES WITH A MINIMUM OF TWENTY-FOUR (24) HOUR NOTICE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE RESTRICTED DUE TO CONSTRUCTION.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED ON THE BID FORM FOR USE IN MAINTAINING TRAFFIC:

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	25 CU. YD.
ITEM 614, WORK ZONE EDGE LINE, CLASS I, 642 PAINT	0.40 MI.
ITEM 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT	0.20 MI.
ITEM 614, WORK ZONE STOP LINE, CLASS I, 642 PAINT	44 FT.
ITEM 614, WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT	220 FT.
ITEM 616, WATER	1 MGAL.

PAYMENT FOR MAINTAINING TRAFFIC WILL BE MADE IN ACCORDANCE WITH ITEM 614, AND WILL INCLUDE FULL COMPENSATION FOR PROVIDING, MAINTAINING, AND REMOVING ADEQUATE TRAFFIC CONTROL SIGNS, BARRICADES, FLAGGERS, DRUMS AND LIGHTS, AS SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER.

EXISTING TRAFFIC CONTROL SIGNS

ALL REGULATORY AND WARNING SIGNS, IF REMOVED FOR CONSTRUCTION PURPOSES, SHALL BE IMMEDIATELY RESET. INSTALLATIONS MAY BE PERMANENT OR TEMPORARILY MOUNTED. SPEED LIMIT SIGNS MAY BE REINSTALLED OUTSIDE THE CONSTRUCTION LIMITS BUT WITHIN THE RIGHT-OF-WAY AND WITHIN VIEW.

ALL OTHER SIGNS SHALL BE SAFELY STOCKPILED TO BE SALVAGED AND REINSTALLED BY THE CONTRACTOR ACCORDING TO THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SIGNS. COSTS TO REPLACE DAMAGED OR LOST SIGNS SHALL BE DEDUCTED FROM PAYMENTS. IF THE CONTRACTOR DOES NOT IMMEDIATELY RESET REGULATORY AND WARNING SIGNS AS DIRECTED, THE CITY SHALL RESET THEM AND THE COSTS SHALL ALSO BE DEDUCTED FROM PAYMENTS TO THE CONTRACTOR.

PAYMENT FOR THE TEMPORARY MOUNTING OF SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. PAYMENT FOR THE REMAINING WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE 630 PAY ITEM.

ITEM 614. MAINTAINING TRAFFIC (CONTINUED)

LANE CLOSURES

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TABLE AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLAT SHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN ONE WEEK.

PAVEMENT DRAINAGE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE THROUGHOUT THE PROJECT, ON AND OFF PAVEMENT. PROPOSED CATCH BASINS MAY BE SET AT A TEMPORARY GRADE TO DRAIN THE PAVEMENT DURING CONSTRUCTION. OTHER METHODS OF DRAINING THE PAVEMENT DURING CONSTRUCTION MAY ALSO BE USED WITH THE APPROVAL OF THE ENGINEER. THIS WORK AND THE COST TO ADJUST STRUCTURES TO FINAL GRADE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC.

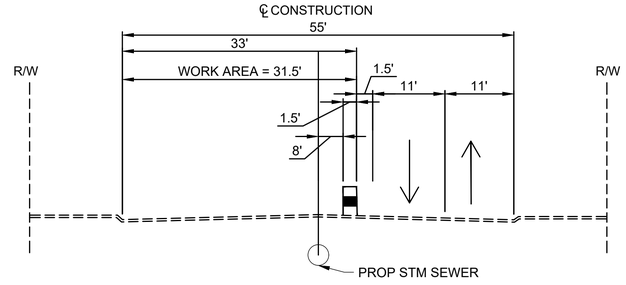
PEDESTRIAN ACCESS

PEDESTRIAN ACCESS TO BUSINESSES AND/OR RESIDENCES WITHIN THE PROJECT AREA SHALL BE MAINTAINED AT ALL TIMES. WORK ZONE PEDESTRIAN SIDEWALKS AND APPROPRIATE SIGNAGE TO GUIDE PEDESTRIANS THROUGH THE CONSTRUCTION ZONE SHALL BE PROVIDED. WORK ZONE PEDESTRIAN SIDEWALKS SHALL CONSIST OF TWO INCHES (2") OF ITEM 411, STABILIZED CRUSHED AGGREGATE, AND SHALL BE PROPERLY MAINTAINED AT ALL TIMES, AS DETERMINED BY THE ENGINEER. IN ADDITION, ANY PEDESTRIAN ACCESS TO A BUSINESS/STORE FRONT SHALL BE DETOURED IN ACCORDANCE STANDARD DRAWING MT-110.10 WHILE THE AREA IS ACTIVELY UNDER CONSTRUCTION. COORDINATE WITH THE PROPERTY/BUSINESS OWNER THE TIMING OF ANY CLOSURES AND/OR DETOURS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

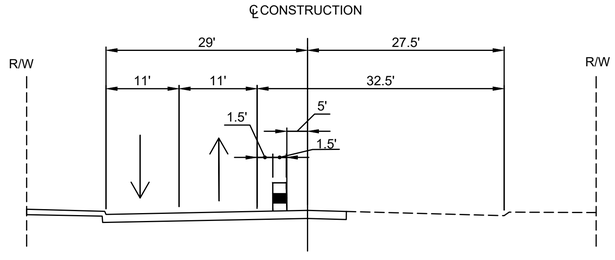
TRENCH EXCAVATION

THE OPEN TRENCH FOR STORM SEWER INSTALLATION SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH BARRICADE OR DRUMS PLACED AT TEN (10) FOOT INTERVALS AT ALL TIMES. NO TRENCH WILL BE LEFT OPEN OVERNIGHT AND WILL BE COMPLETED TO A DEPTH OF 7 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF THE WORK DAY. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH WILL BE BACKFILLED, OR PROTECTED WITH STEEL PLATES, AT THE DIRECTION OF THE ENGINEER.

END ITEM 614, MAINTAINING TRAFFIC



PHASE ONE SECTION



PHASE TWO SECTION

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engineers
architects
planners

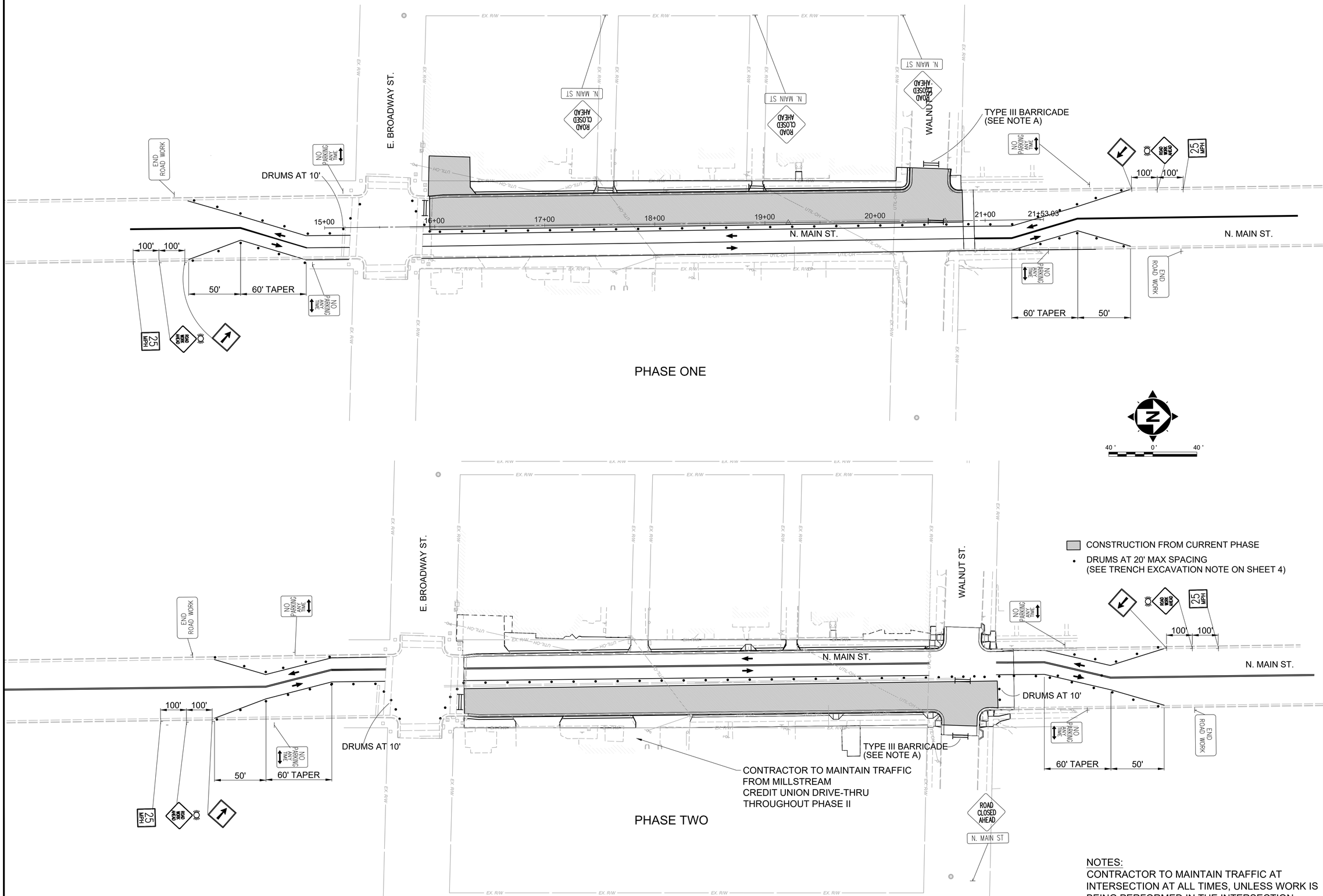
NO	REVISION	DATE

ISSUED FOR: PRELIMINARY
ISSUE DATE: 1/31/20
SCALE: AS SHOWN
DESIGNED BY: PMAD
DRAWN BY: PMAD
CHECKED BY: RHER

N MAIN STREET
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

MAINTENANCE OF TRAFFIC

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
MOT
SHEET 4 OF 24



NOTES:
CONTRACTOR TO MAINTAIN TRAFFIC AT INTERSECTION AT ALL TIMES, UNLESS WORK IS BEING PERFORMED IN THE INTERSECTION.

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N MAIN STREET RECONSTRUCTION PHASE 1 & 2 (MOT)
VILLAGE OF NORTH BALTIMORE, OHIO

MAINTENANCE OF TRAFFIC

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	MOT
SHEET	5
OF	24

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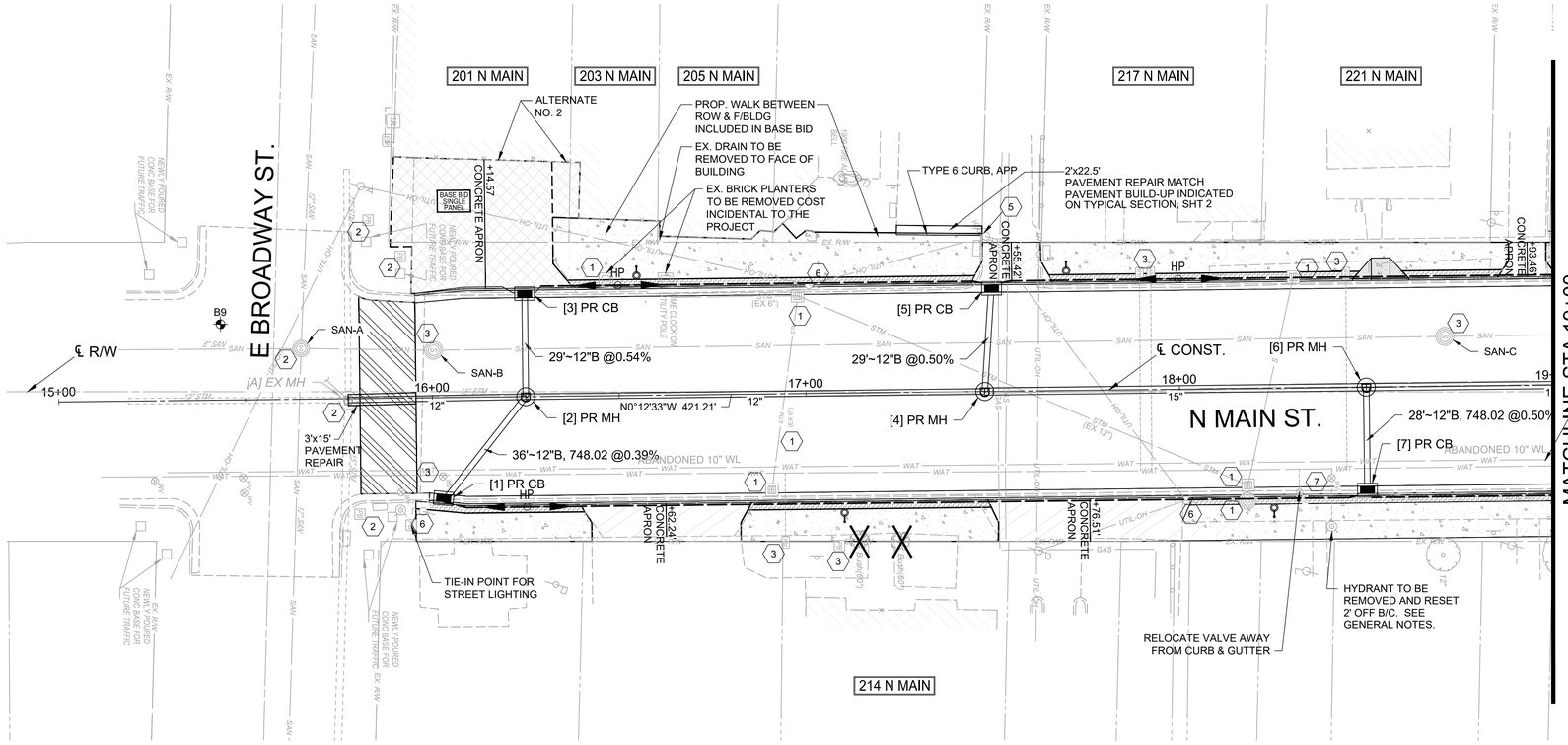


LEGEND & KEYNOTES

- ITEM 608 - 5" WALK
- ALTERNATE NO. 1 - ITEM 608 WALKWAY, MISC.: STAMPED, COLORED CONCRETE WALK
- ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
- ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
- ALTERNATE
- 15' BUTT JOINT

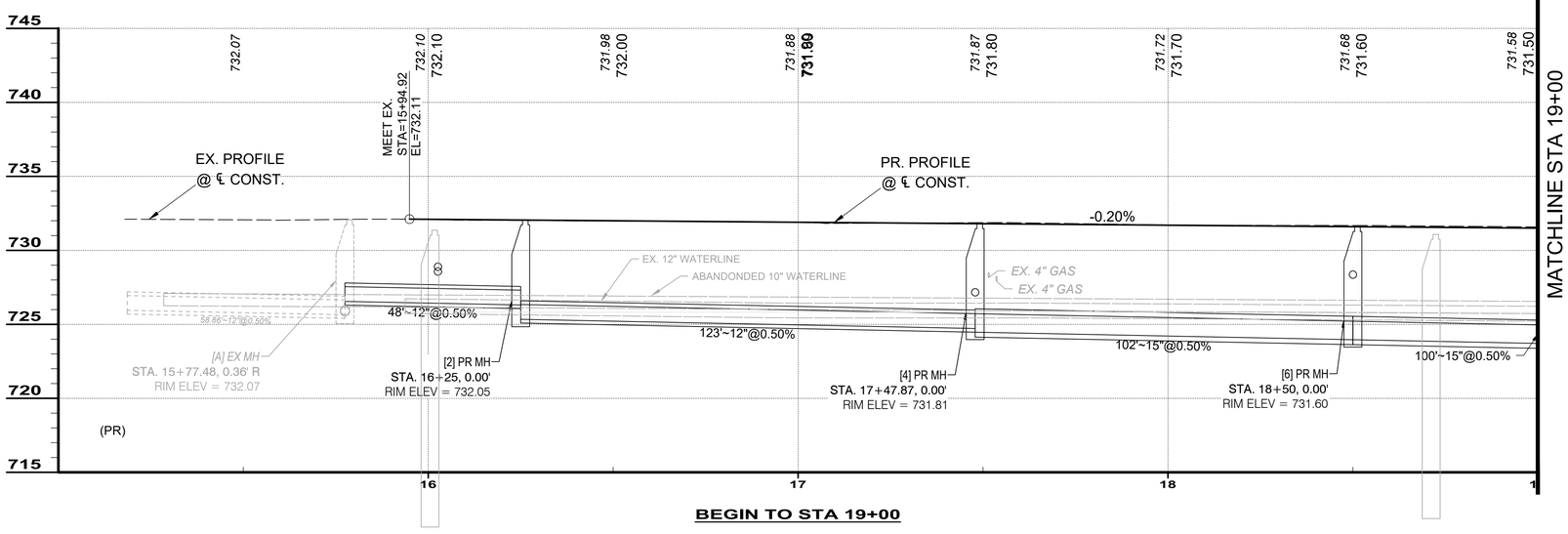
1. EXISTING TO BE REMOVED
2. DO NOT DISTURB
3. ADJUST TO GRADE
4. TO BE ABANDONED
5. TO BE RELOCATED (BY OTHERS)
6. TO BE REMOVED (BY OTHERS)
7. RELOCATE/ADJUST TO GRADE

- TREE / SHRUB TO BE REMOVED
- PROP. STREET LIGHT
- HP — UNDERDRAIN HIGH POINT

20' 0' 20'

EX STORM STRUCTURE TABLE

STRUCTURE NAME:	[A] EX MH STA. 15+77.48, 0.4' R	EX CB STA 16+91.62, 27.37' R	EX CB STA 16+98.05, 26.16' L	EX MH STA 18+17.67, 30.16' R	EX CB STA 18+18.09, 25.95' R	EX CB STA 18+30.79, 29.52' L
DETAILS:	T/G = 732.07 INV 12" (S) = 725.65 INV 12" (W) = 725.65 INV 12" (N) = 726.55 (PR) INV 15" (E) = 725.55	T/G = 732.07 INV 6" (W) = 728.48	T/G = 730.88 INV 6" (S) = 728.98	T/G = 731.31 INV 6" (W) = 729.61 INV 12" (SW) = 728.11	T/G = 730.67 INV 6" (E) = 729.47	T/G = 730.93 FULL OF DEBRIS
DISPOSITION:	TO BE MODIFIED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED



BEGIN TO STA 19+00

PR STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
[1] PR CB , CB-3A STA. 16+02.62, 27.9' R	T/G = 731.28 INV 4" (N) = 728.16 INV 12" (NW) = 727.66
[2] PR MH , MH-3 STA. 16+25.00, 0.0'	T/G = 732.05 INV 12" (S) = 726.31 INV 12" (W) = 727.19 INV 12" (SE) = 727.52 INV 12" (N) = 725.34
[3] PR CB , CB-6 STA. 16+25.00, 28.5' L	T/G = 730.96 INV 4" (N+S) = 727.54 INV 12" (E) = 727.34
[4] PR MH , MH-3 STA. 17+47.87, 0.0'	T/G = 731.81 INV 12" (S) = 724.72 INV 12" (W) = 726.92 INV 15" (N) = 724.47
[5] PR CB , CB-6 STA. 17+50.00, 28.5' L	T/G = 730.68 INV 4" (N) = 727.56 INV 4" (S) = 727.56 INV 12" (E) = 727.06
[6] PR MH , MH-3 STA. 18+50.00, 0.0'	T/G = 731.60 INV 15" (S) = 723.96 INV 12" (E) = 726.99 INV 15" (N) = 723.96
[7] PR CB , CB-3A STA. 18+50.00, 28.5' R	T/G = 730.75 INV 4" (N+S) = 727.63 INV 12" (W) = 727.13

EX SANITARY STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
SAN-A, MANHOLE STA. 15+65.02, -13.6' L	T/G = 731.89 INV 15" (N) = 713.70
SAN-B, MANHOLE STA. 16+00.49, -12.7' L	T/G = 731.36 INV 15" (N) = 713.80 INV 15" (S) = 713.80
SAN-C, MANHOLE STA. 18+71.18, -13.3' L	T/G = 731.08 INV 15" (N) = 714.37 INV 15" (S) = 714.37

CL OF CONSTRUCTION GEOMETRY

POINT	STA	X	Y
BEGIN	15+00	1644167.1676	554520.1047
PI	19+21.21	1644165.6307	554941.3158
PI	20+63.69	1644165.2259	555083.7883
END	21+10.00	1644164.9061	555130.1002

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ISSUED FOR:	PRELIMINARY
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CHECKED BY:	RHER

N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

PLAN AND PROFILE

PROJECT NO. 190961
DISCIPLINE: CIVIL
SHEET NAME: PNP1
SHEET 6 OF 24

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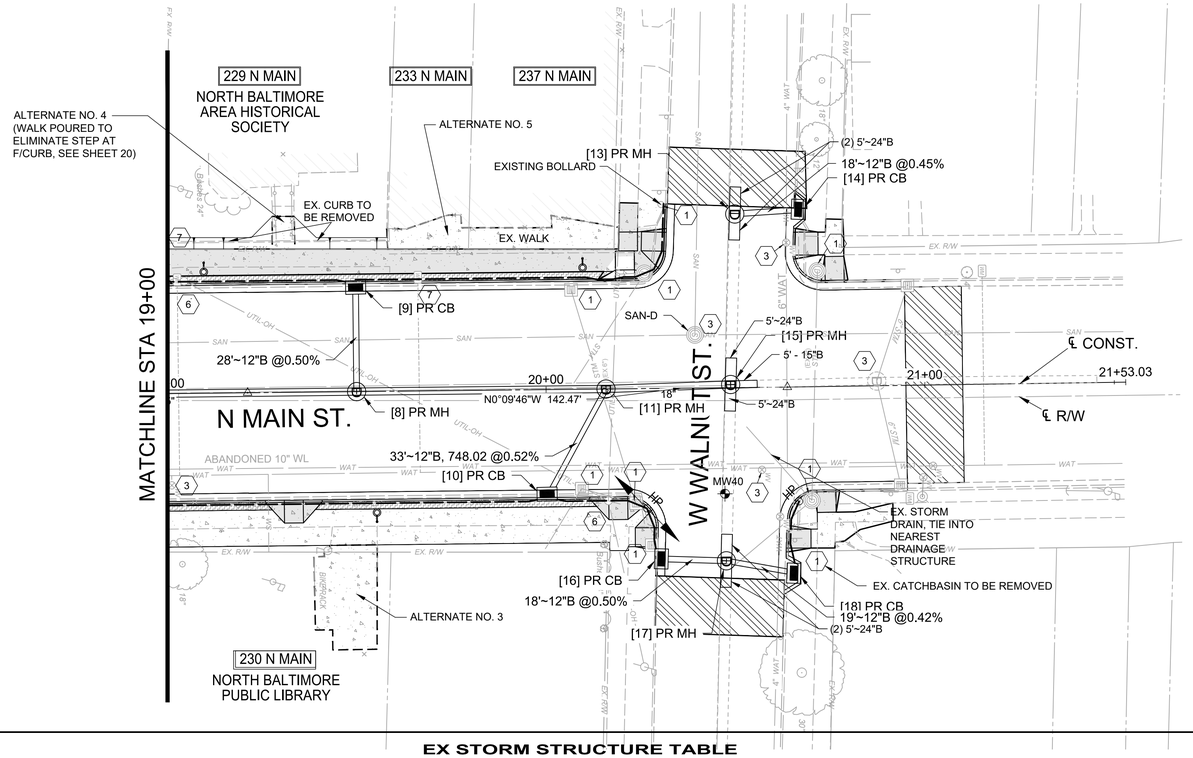

LEGEND & KEYNOTES

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7. RELOCATE/ADJUST TO GRADE

- TREE / SHRUB TO BE REMOVED
- PROP. STREET LIGHT
- HP — UNDERDRAIN HIGH POINT

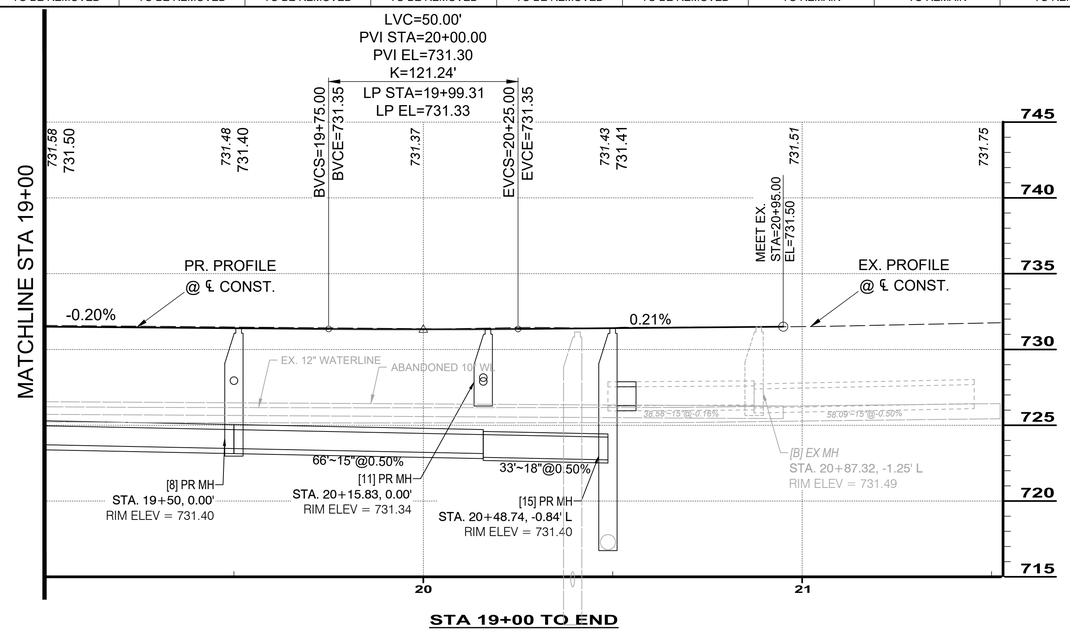
NOTE: CONNECT ALL EXISTING PIPES INTO PROPOSED DRAINAGE OUTLET.

PR STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
[8] PR MH , MH-3 STA. 19+50.00, 0.0'	T/G = 731.40 INV 15" (S) = 723.46 INV 12" (W) = 726.57 INV 15" (N) = 723.46
[9] PR CB , CB-6 STA. 19+50.00, 28.5' L	T/G = 730.33 INV 4" (N+S) = 727.21 INV 12" (E) = 726.71
[10] PR CB , CB-3A STA. 20+00.00, 28.5' R	T/G = 730.55 INV 4" (N) = 727.43 INV 4" (S) = 727.43 INV 12" (NW) = 723.05
[11] PR MH , MH-3 STA. 20+15.83, 0.0'	T/G = 731.34 INV 15" (S) = 723.13 INV 12" (SE) = 722.88 INV 12" (W) = 726.52 INV 18" (N) = 722.88
[13] PR MH , MH-3 STA. 20+50.30, 45.8' L	T/G = 730.82 EX. INV 24" (W) = 717.27± INV 12" (N) = 726.67 EX. INV 24" (E) = 717.27±
[14] PR CB , CB-6 STA. 20+66.14, 45.3' L	T/G = 730.37 INV 4" (E) = 727.25 INV 12" (S) = 726.75
[15] PR MH , MH-3 STA. 20+48.74, 0.8' L	T/G = 731.40 INV 18" (S) = 722.72 EX. INV 24" (W) = 717.23± EX. INV 15" (N) = 726.28± EX. INV 24" (E) = 717.23±
[16] PR CB , CB-3A STA. 20+29.03, 44.9' R	T/G = 730.56 INV 4" (W) = 727.44 INV 12" (N) = 726.94
[17] PR MH , MH-3 STA. 20+47.13, 45.7' R	T/G = 731.06 EX. INV 24" (W) = 717.19± INV 12" (N) = 726.75 INV 12" (S) = 726.85 EX. INV 24" (E) = 717.19±
[18] PR CB , CB-6 STA. 20+62.83, 46.3' R	T/G = 730.45 INV 4" (W) = 727.33 INV 12" (S) = 726.83

EX STORM STRUCTURE TABLE

STRUCTURE NAME:	EX CB STA 20+09.21, 26.16' R	EX CB STA 20+06.88, 26.26' L	EX CB STA 20+23.44, 30.23' R	EX MH STA 20+26.27, 30.39' L	EX MH STA 20+69.59, 29.99' R	EX MH STA 20+72.03, 30.50' L	[B] EX MH STA. 20+87.32, -1.2' L	EX CB STA 20+93.17, 26.37' R	EX CB STA 20+95.66, 26.40' L
DETAILS:	T/G = 730.47 INV 6" (SE) = 727.97	T/G = 730.26 FULL OF DEBRIS	T/G = 730.71 6" (W) = 728.81	RIM = 730.74 INV 6" (SE) = 727.94 INV 10" (SE) = 727.61	RIM = 731.09 INV 6" (SE) = 728.49 FULL OF DEBRIS	RIM = 731.10 INV 6" (E) = 727.7	RIM = 731.49 INV 15" (S) = 726.34 INV 12" (E) = 726.64 INV 15" (N) = 726.14	T/G = 730.70 INV 6" (SW) = 728.00	T/G = 730.57 INV 6" (SE) = 727.67
DISPOSITION:	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO BE REMOVED	TO REMAIN	TO REMAIN	TO REMAIN



STA 19+00 TO END

EX SANITARY STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
SAN-D, MANHOLE STA. 20+39.43, -14.0' L	T/G = 731.15 INV 12" (N) = 714.33

NO	REVISION	DATE

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ISSUED FOR: PRELIMINARY
ISSUE DATE: 1/31/20
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CHECKED BY: RHER

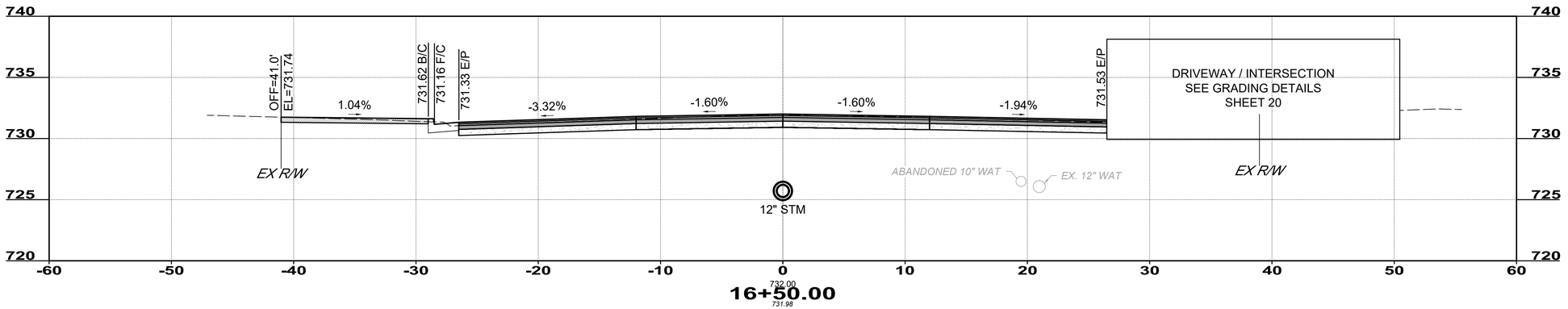
N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

PLAN AND PROFILE

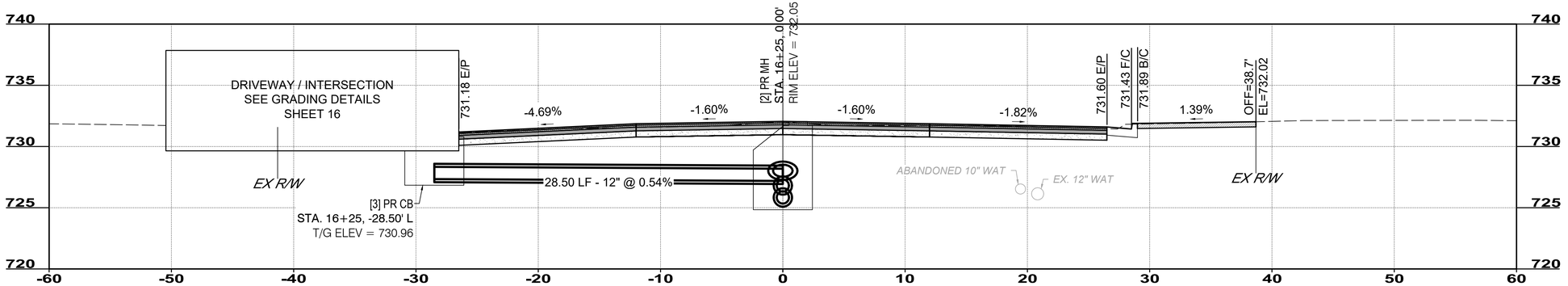
PROJECT NO. 190961
DISCIPLINE: CIVIL
SHEET NAME: PNP2
SHEET 7 OF 24

NOTE:
PROPOSED CURB HEIGHT = 6" UNLESS OTHERWISE NOTED

H 0' 5'
V 0' 5'



16+50.00



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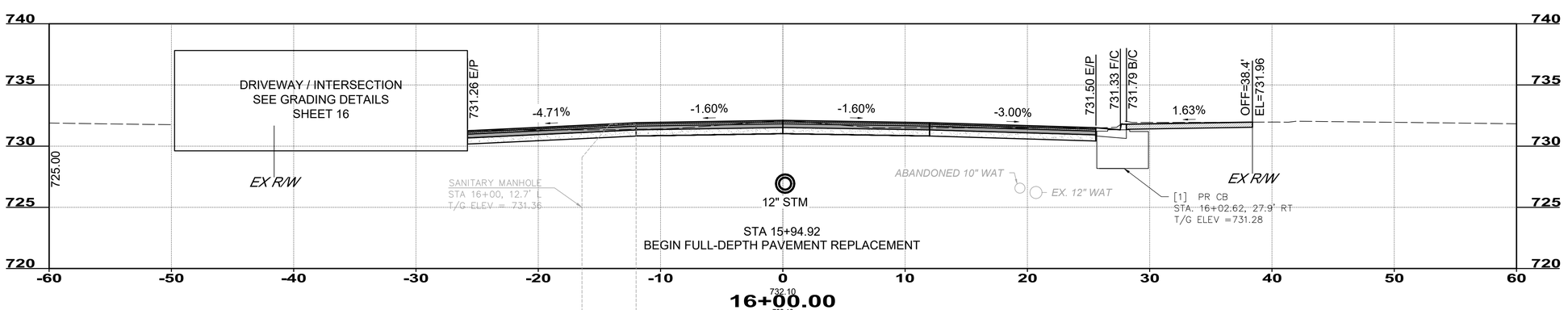

16+00.00

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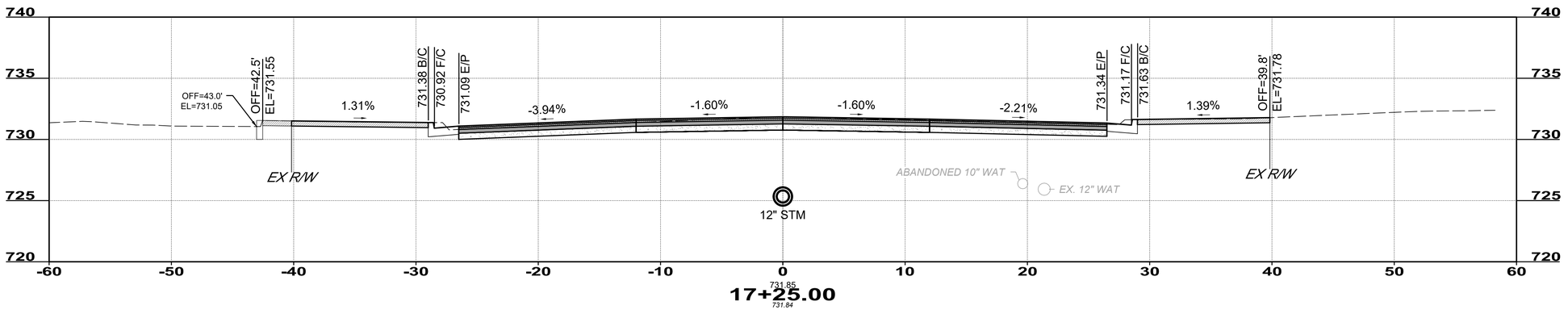
N MAIN STREET
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

CROSS SECTIONS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
XS1
SHEET 8 OF 24

NOTE:
PROPOSED CURB HEIGHT = 6" UNLESS OTHERWISE NOTED

H 0' 5'
V 0' 5'



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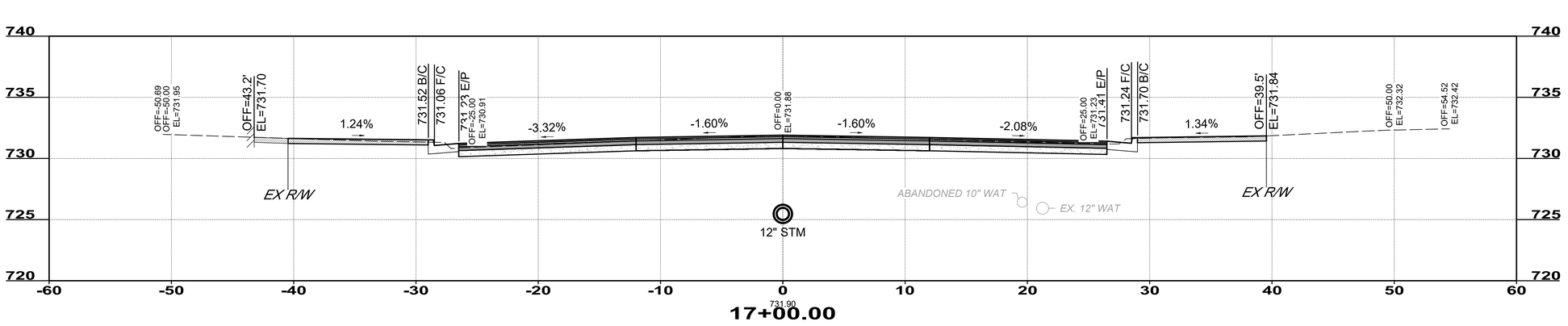
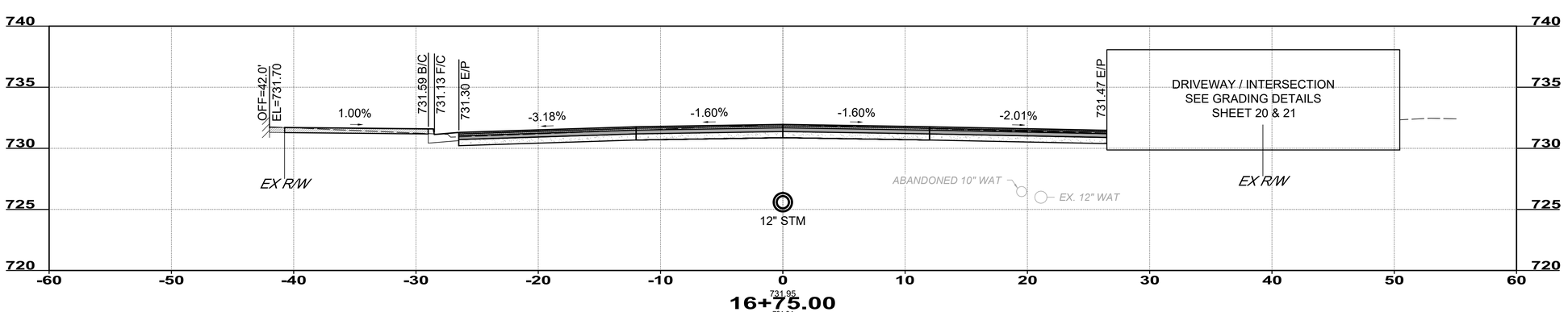


17+00.00



16+75.00

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NO	REVISION	DATE

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N MAIN STREET
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

CROSS SECTIONS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
XS2
SHEET 9 OF 24

NOTE:
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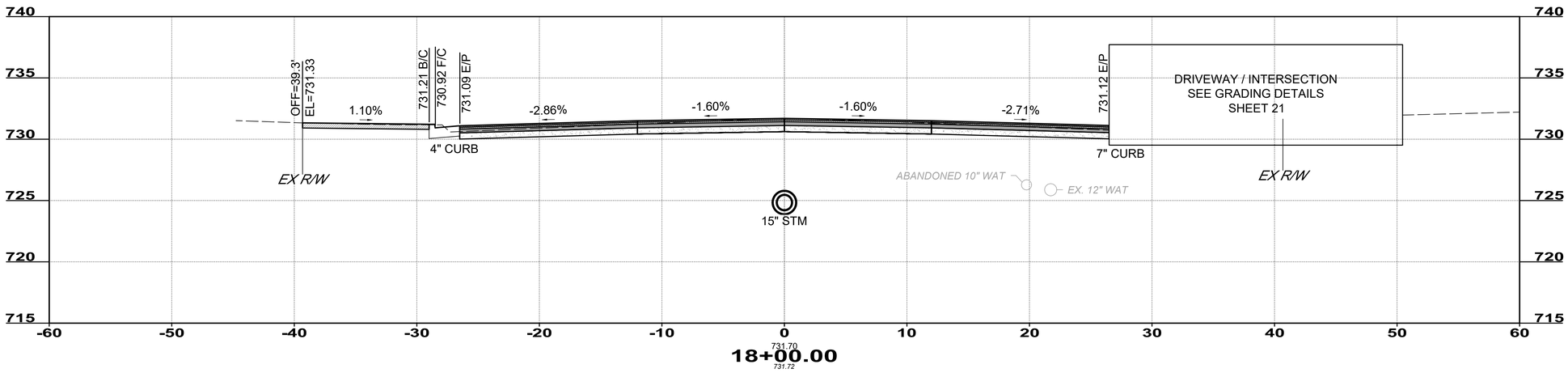

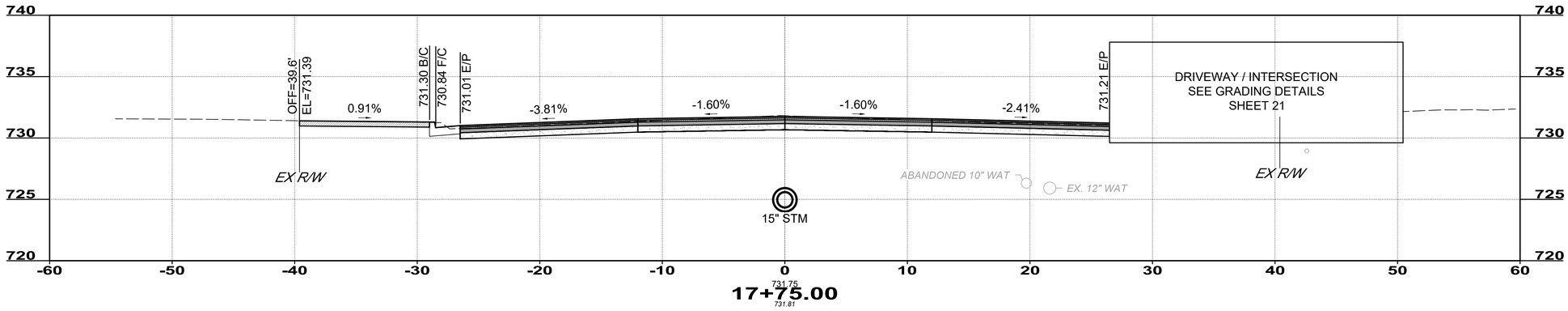

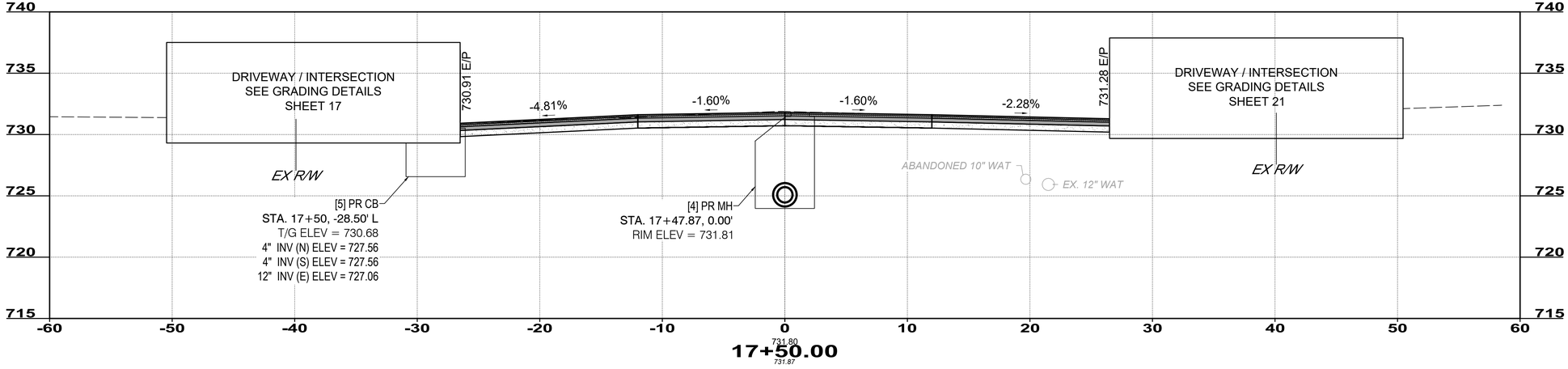

H 0' 5'
V 0' 5'

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NO	REVISION	DATE

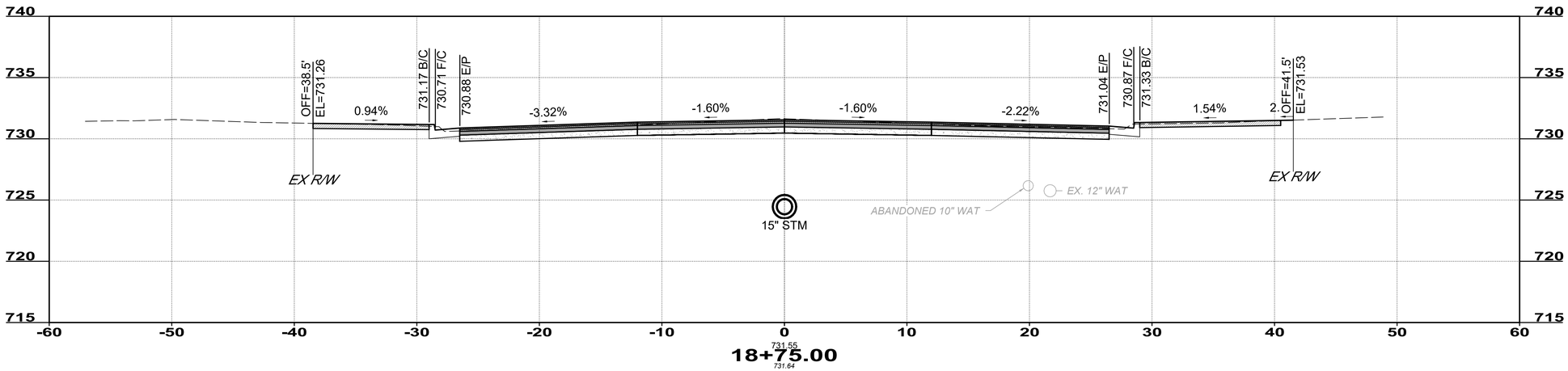
ISSUED FOR:	PRELIMINARY
ISSUE DATE:	1/31/20
SCALE:	AS SHOWN
DESIGNED BY:	PMAD
DRAWN BY:	PMAD
CHECKED BY:	RHER

N MAIN STREET
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

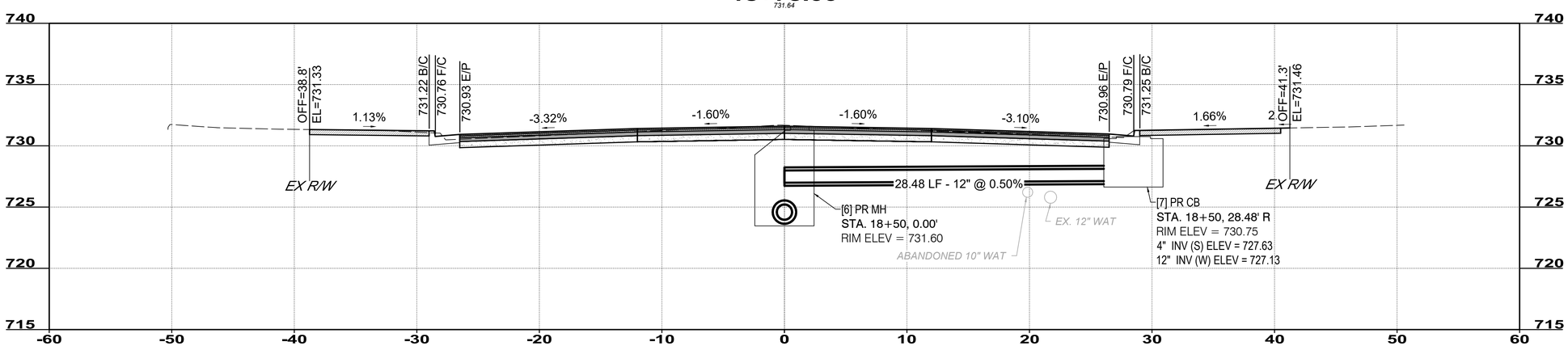
CROSS SECTIONS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
XS3
SHEET 10 OF 24

NOTE:
PROPOSED CURB HEIGHT = 6" UNLESS OTHERWISE NOTED



18+75.00



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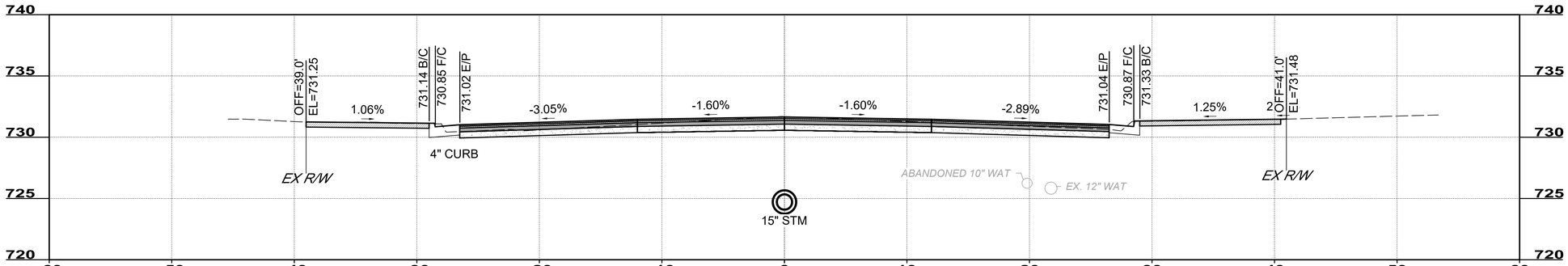

18+25.00

H 0' 5'
V 0' 5'

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ISSUED FOR: PRELIMINARY
ISSUE DATE: 1/31/20
SCALE: AS SHOWN
DESIGNED BY: PMAD
DRAWN BY: PMAD
CHECKED BY: RHER

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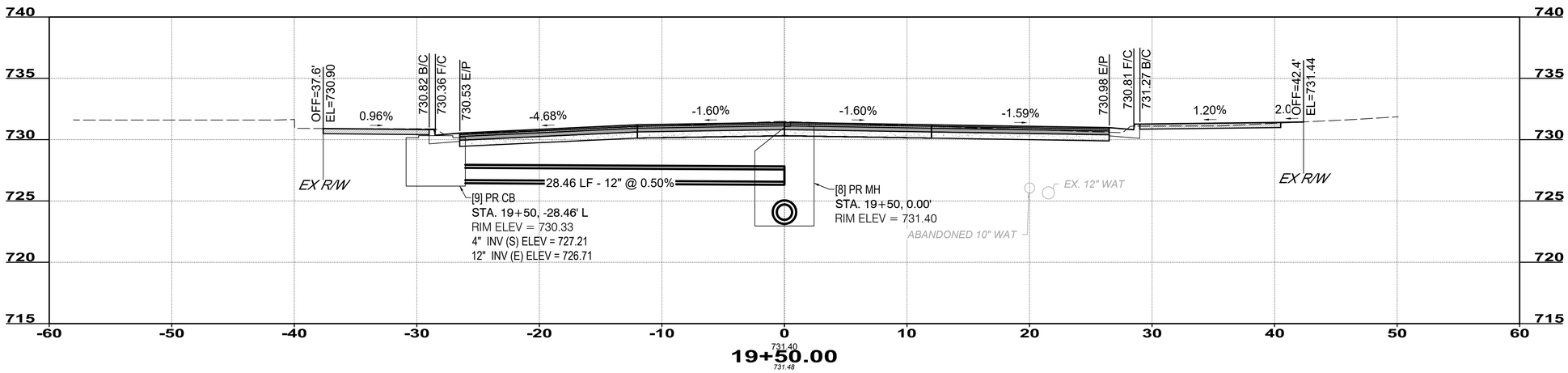
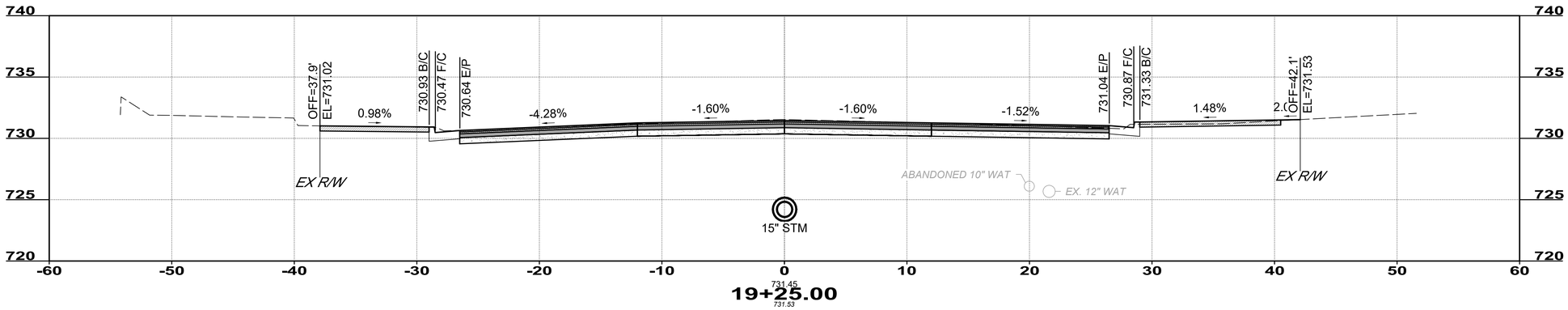
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

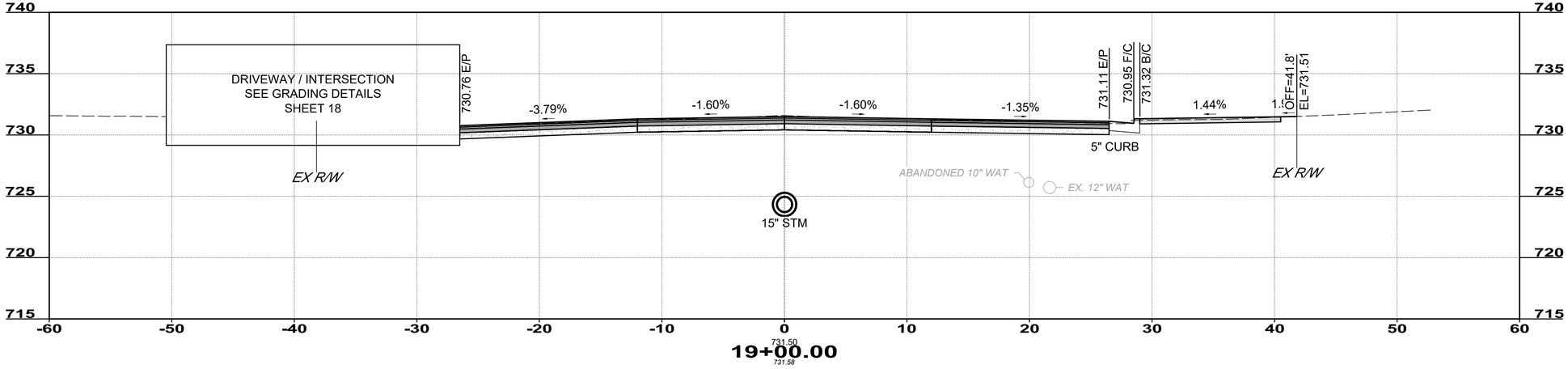
CROSS SECTIONS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
XS4
SHEET 11 OF 24

NOTE:
PROPOSED CURB HEIGHT = 6" UNLESS OTHERWISE NOTED







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ISSUE DATE:	1/31/20
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CHECKED BY:	RHER

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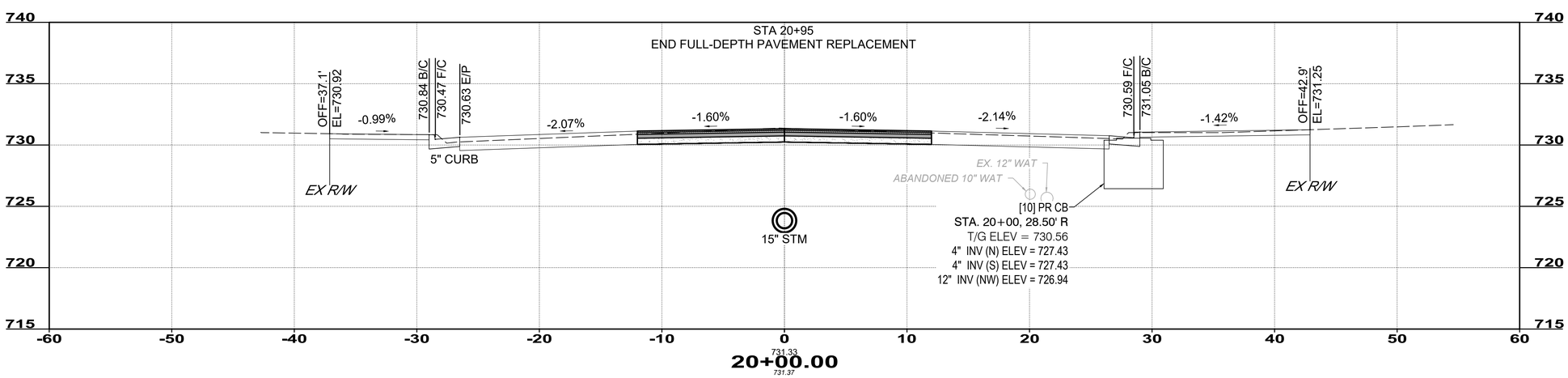
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

CROSS SECTIONS

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	XS5
SHEET	12
OF	24

NOTE:
PROPOSED CURB HEIGHT = 6" UNLESS OTHERWISE NOTED



H 0' 5'
V 0' 5'

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NO	REVISION	DATE

ISSUED FOR:	PRELIMINARY
ISSUE DATE:	1/31/20
SCALE:	AS SHOWN
DESIGNED BY:	PMAD
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CHECKED BY:	RHER

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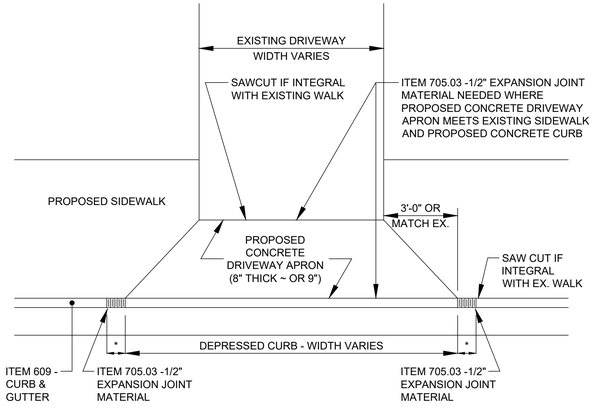
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

CROSS SECTIONS

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	XS6
SHEET	13
OF	24

C:\CTCAD_DRIVES_H2019\190961\DWG\SHEETS\C_190961-CROSS SECTIONS.DWG - X SEC 19+75 TO 20+25 - 4/1/2020 11:43:47 PM - LINDSAY EXTON



* 3' TRANSITION FROM STANDARD
CURB HEIGHT TO DEPRESSED CURB

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS, DRIVES

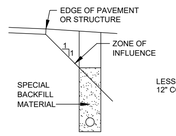
NTS

CONCRETE DRIVEWAY REPLACEMENT

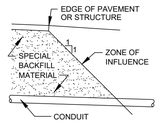
NTS

DROP CURB DETAIL - FIRE STATION DRIVE

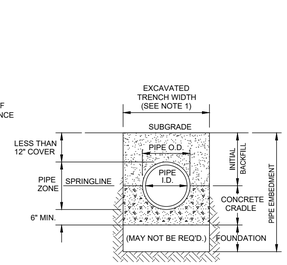
NOTE - ALL OTHER DROP CURBS AT DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH "DROP CURB DETAILS AT DRIVEWAYS" DETAIL ON ODOT SCD BP-4.1



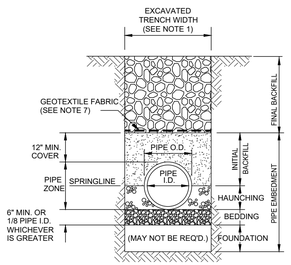
PARALLEL
ZONE OF INFLUENCE



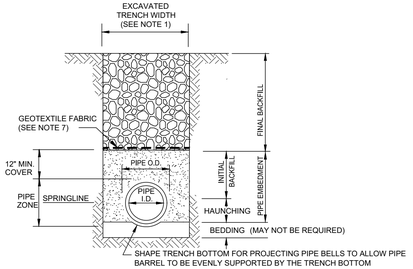
TRANSVERSE
ZONE OF INFLUENCE



CLASS `A` PIPE EMBEDMENT



CLASS `B` PIPE EMBEDMENT



CLASS `C` PIPE EMBEDMENT

NOTES:

1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.

2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.

3. PIPE EMBEDMENT:
   CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "C". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

   CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

   CLASS C: CLASS C PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN, DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE PIPE EMBEDMENT SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE. THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE. WHERE ROCK OR SHALE IS ENCOUNTERED, A MINIMUM 6-INCHES OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE BEDDING OR SAND BEDDING SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.

5. SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION 02300CT - EARTHWORK.

6. CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.

7. GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

8. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

TRENCHING, EMBEDMENT AND BACKFILL DETAIL

6/04 NO SCALE SD-1-1

SHEET NO.	LOCATION	SIDE	DRIVE/ ALLEY	EXISTING APPROACH MATERIAL	EXISTING DRIVE MATERIAL	*PROPOSED APPROACH/ DRIVE AREA (CAD GENERATED)*	*202* *PAVEMENT REMOVED, AS PER PLAN*	*202* *CURB REMOVED*	*203* *EXCAVATION*	*204* *SUBGRADE COMPACTION*	*304* *4" AGGREGATE BASE*	*452* *8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS, DRIVES*
						SF	*SY*	*FT*	*CY*	*SY*	*CY*	*SY*
BASE BID												
6	*16+14.57*	*LT*	*DRIVE*	*CONC.*	*CONC.*	*562*	*61.8*			*62.4*	*7.8*	
6	*16+62.24*	*RT*	*DRIVE*	*CONC.*	*ASPH.*	*464*	*44.2*			*51.6*	*6.4*	*51.6*
6	*17+55.42*	*LT*	*ALLEY*	*ASPH.*	*ASPH.*	*187*			*5*	*20.8*	*2.6*	*20.8*
6	*17+76.51*	*RT*	*DRIVE*	*CONC.*	*CONC./ASPH.*	*576*	*66.9*			*64.0*	*8.0*	*64.0*
6	*18+93.46*	*LT*	*ALLEY*	*CONC.*	*ASPH.*	*108*	*12.1*	*22*		*12.0*	*1.5*	*12.0*
BASE BID - TOTALS CARRIED TO BID FORM							185	22	5	211	26	148
ALTERNATE BID NO. 2												
6	*16+14.57*	*LT*	*DRIVE*	*CONC.*	*CONC.*	*1007*	*111.9*			*111.9*	*14.0*	
ALTERNATE BID NO. 2 - TOTALS CARRIED TO BID FORM							112	0	0	112	14	0

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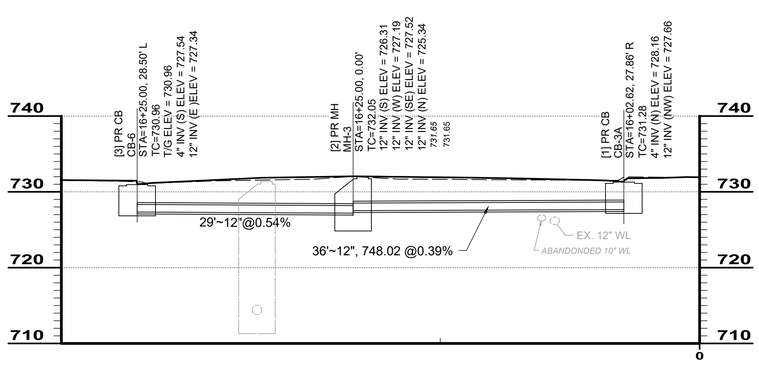
DESIGNED BY:	PMAD
DRAWN BY:	PMAD
CHECKED BY:	RHER

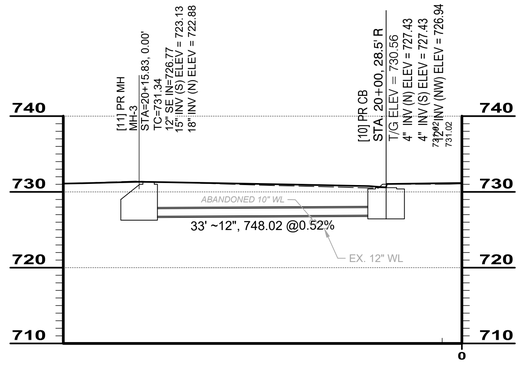
N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

DETAILS

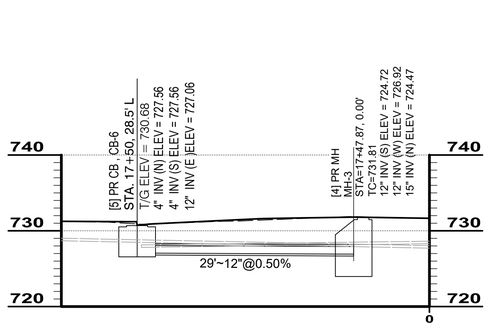
PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
DET
SHEET 14 OF 24



PR STORM - STA 16+02



PR STORM - WALNUT INTERSECTION (SOUTH SIDE)



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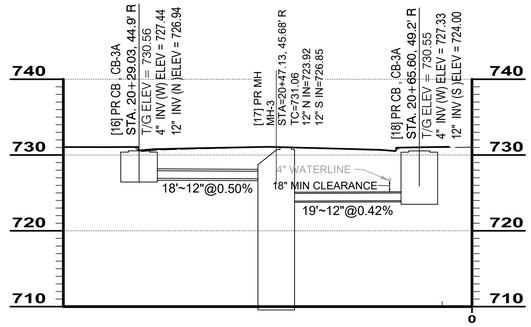
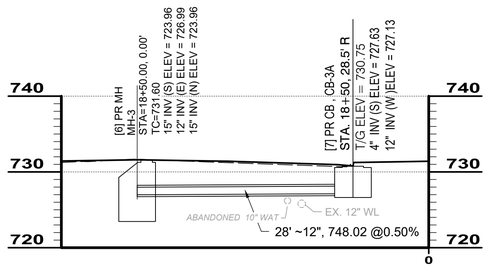
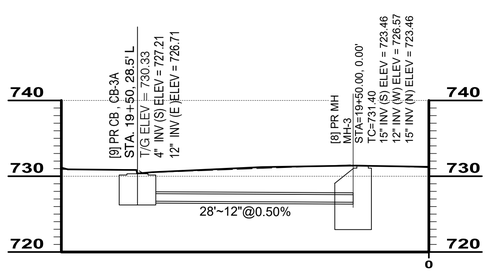


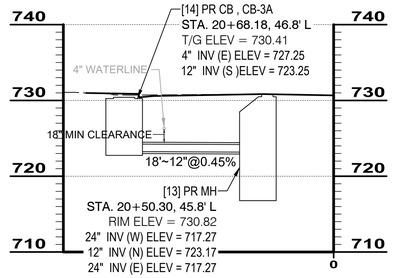
PR STORM - WALNUT INTERSECTION (EAST SIDE)



PR STORM - STA 18+50.00



PR STORM - STA 19+50



PR STORM - WALNUT INTERSECTION (WEST SIDE)

H 0' 10'
V 0' 10'

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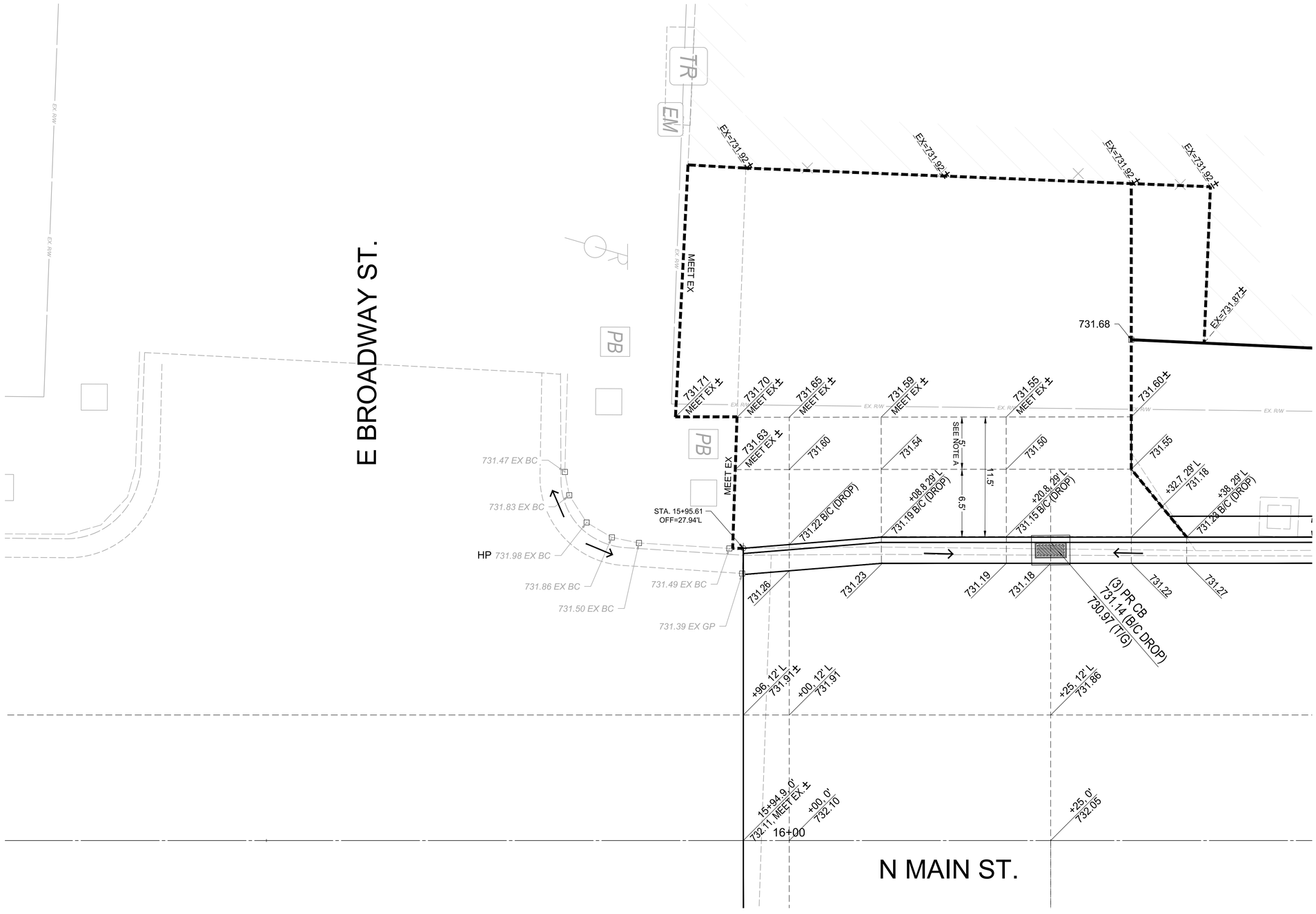
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

STORM PROFILES

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
PRO
SHEET 15 OF 24

C:\CT\CAD_DRIVES_H\2019\190961\DWG\SHEETS\C_190961-STORM PROFILES.DWG - STM PRO1 - 4/2/2020 9:40:16 PM - LINDSAY EXTON



NOTE A: CONTRACTOR TO MAINTAIN 5' WIDTH THROUGH DRIVE APPROACH THAT COMPLIES WITH ADA REQUIREMENTS OF CROSS SLOPE NOT TO EXCEED 2.0%

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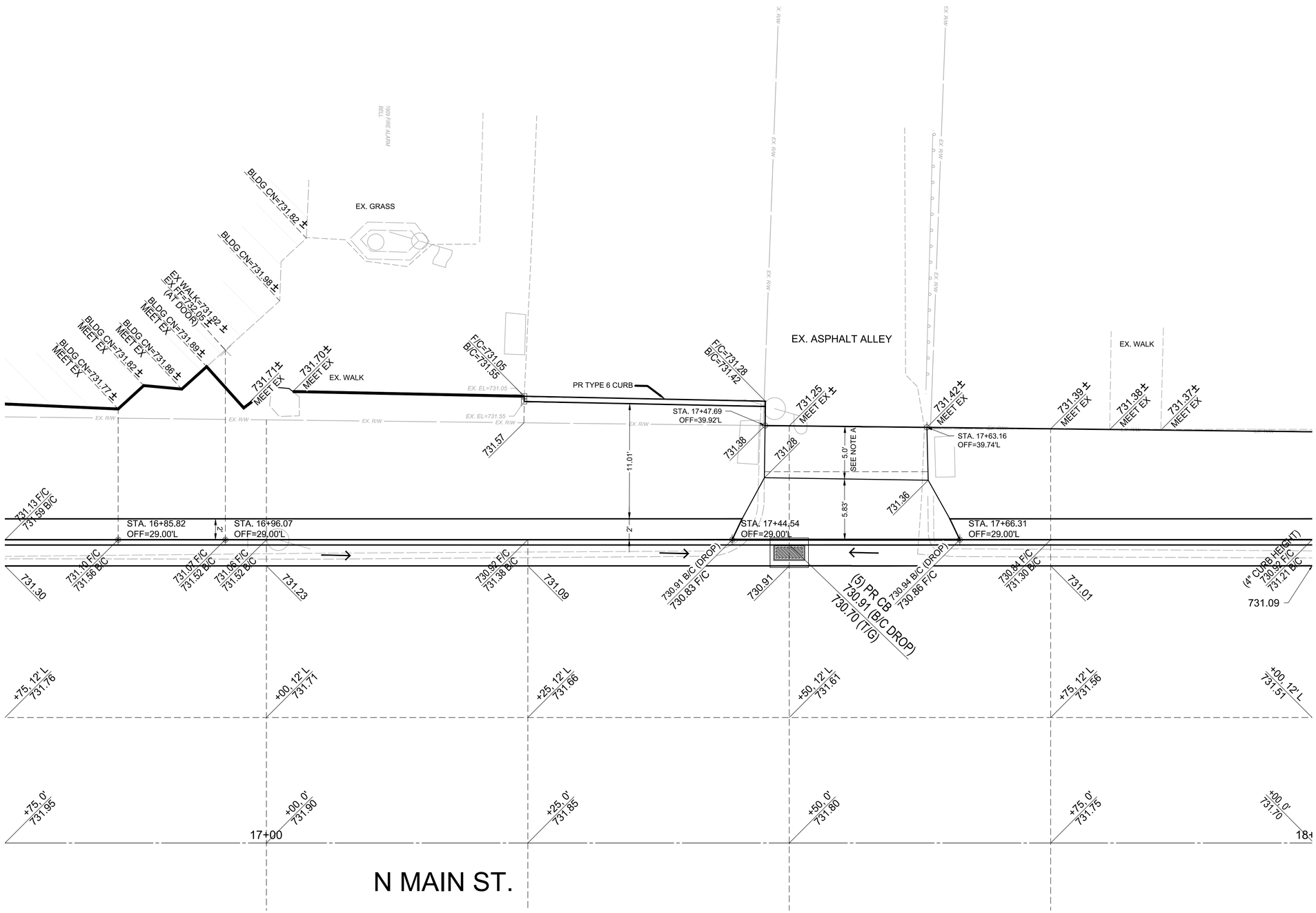
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	GRD1
SHEET	16
OF	24



NOTE A: CONTRACTOR TO MAINTAIN 5' WIDTH THROUGH DRIVE APPROACH THAT COMPLIES WITH ADA REQUIREMENTS OF CROSS SLOPE NOT TO EXCEED 2.0%

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ISSUE DATE:	1/31/20
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DESIGNED BY:	PMAD
DRAWN BY:	PMAD
CHECKED BY:	RHER

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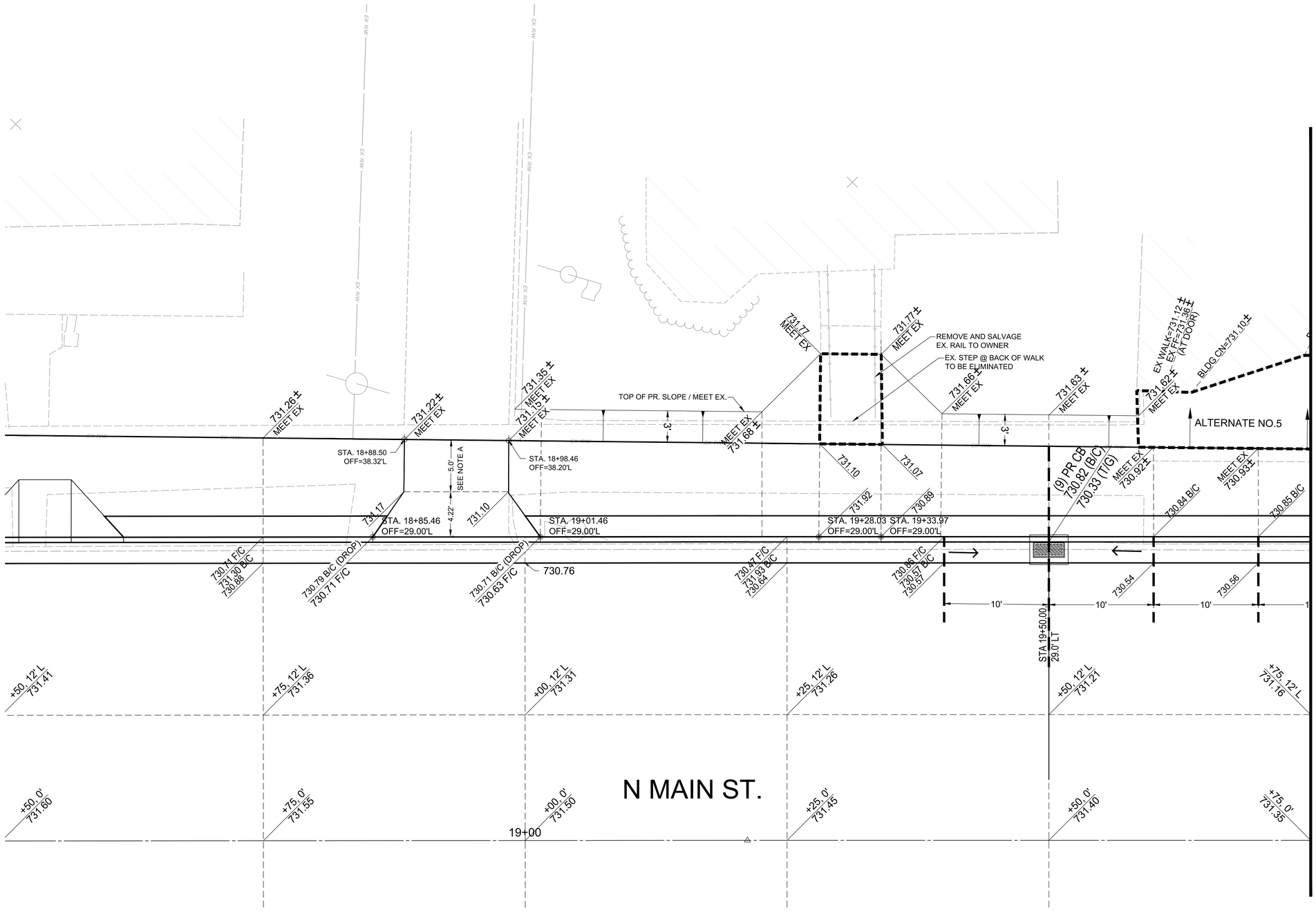
RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
GRD2
SHEET 17 OF 24



NOTE A: CONTRACTOR TO MAINTAIN 5' WIDTH THROUGH DRIVE APPROACH THAT COMPLIES WITH ADA REQUIREMENTS OF CROSS SLOPE NOT TO EXCEED 2.0%

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DRAWN BY: PMAD
CHECKED BY: RHER

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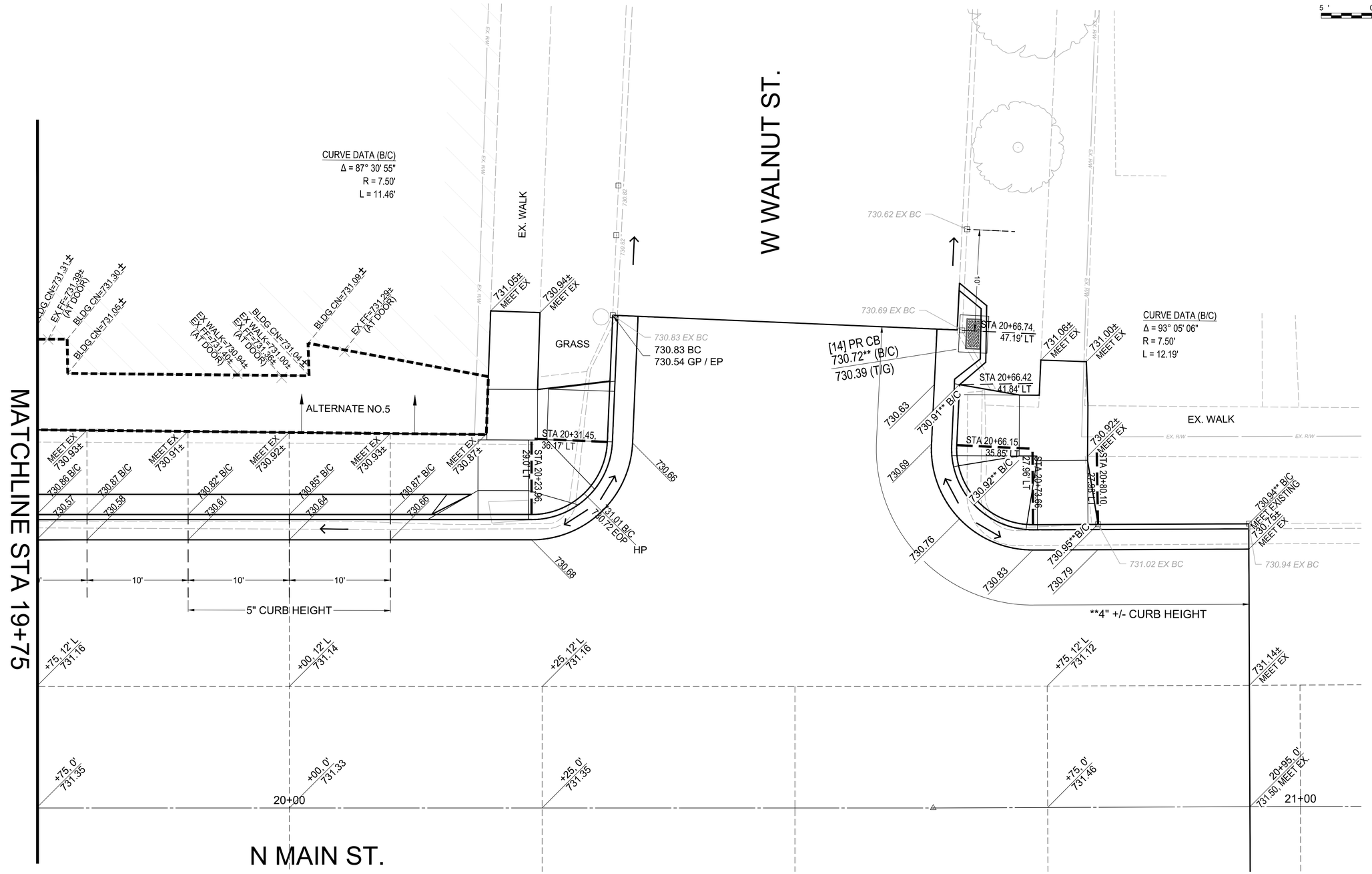
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME GRD3
SHEET 18 OF 24



NOTE A: CONTRACTOR TO MAINTAIN 5' WIDTH THROUGH DRIVE APPROACH THAT COMPLIES WITH ADA REQUIREMENTS OF CROSS SLOPE NOT TO EXCEED 2.0%

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VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	GRD4
SHEET	19
OF	24

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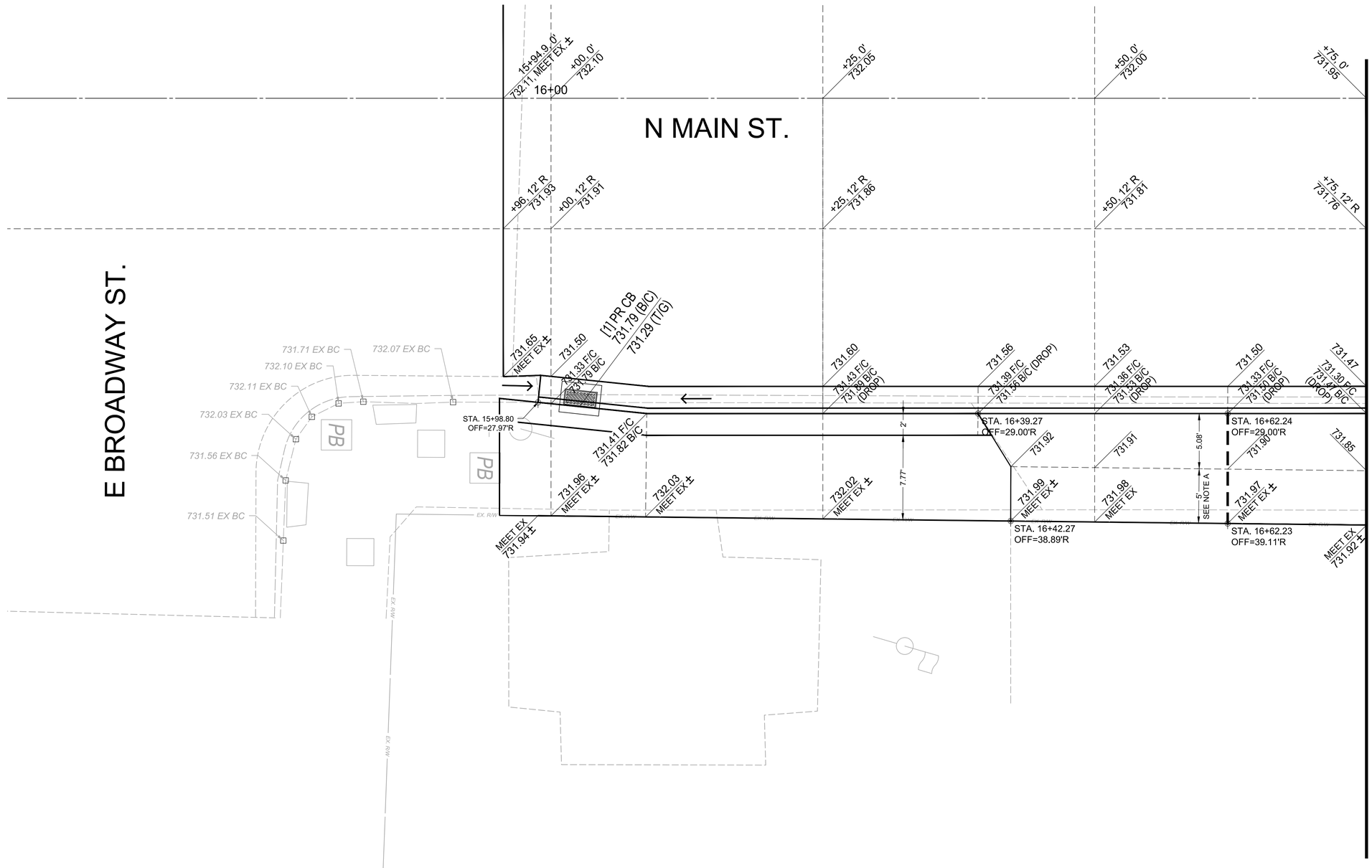

NOTE A: CONTRACTOR TO MAINTAIN 5' WIDTH THROUGH DRIVE APPROACH THAT COMPLIES WITH ADA REQUIREMENTS OF CROSS SLOPE NOT TO EXCEED 2.0%

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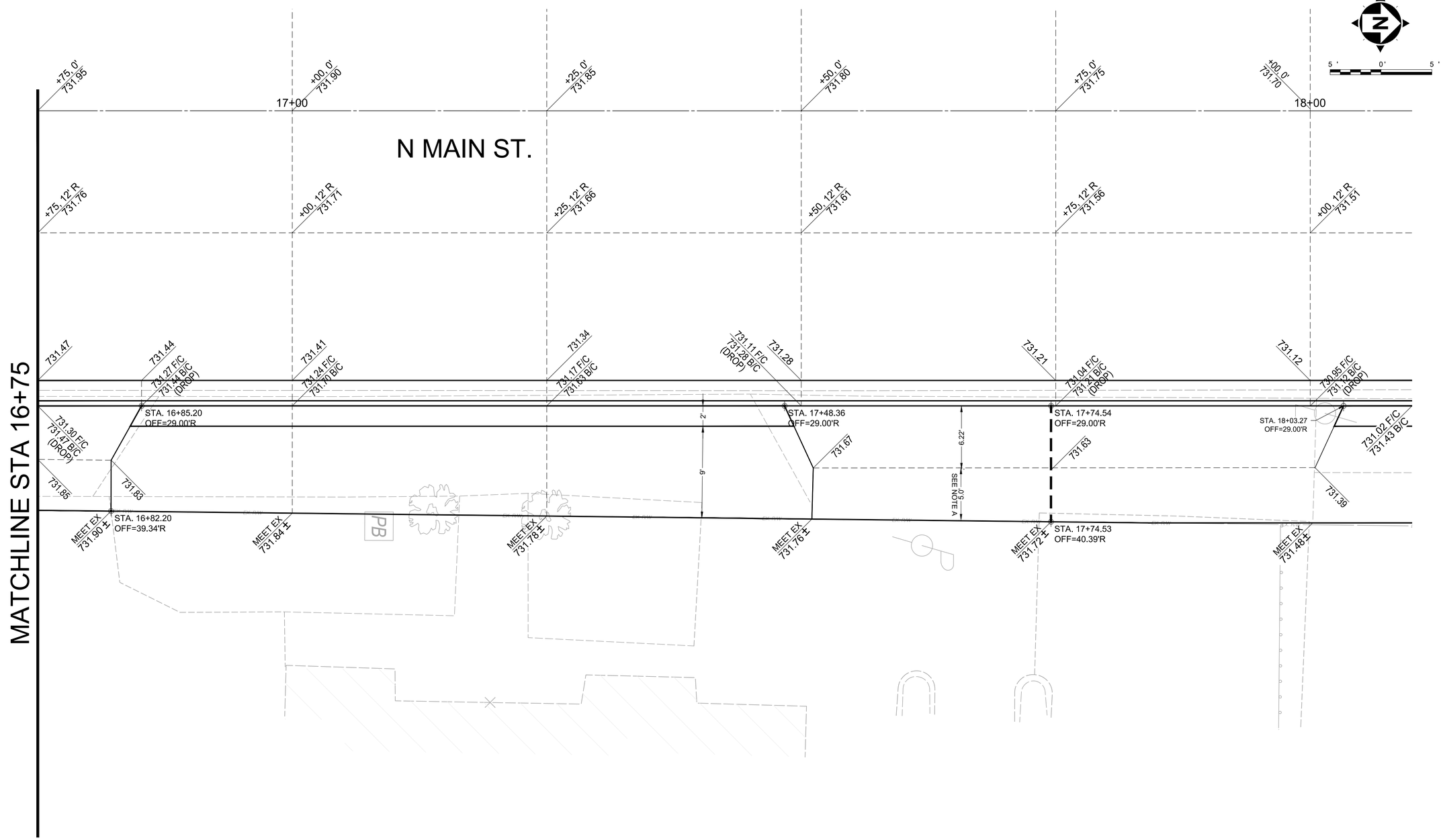
ISSUED FOR: PRELIMINARY
ISSUE DATE: 1/31/20
SCALE: AS SHOWN
DESIGNED BY: PMAD
DRAWN BY: PMAD
CHECKED BY: RHER

N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME GRD5
SHEET 20 OF 24



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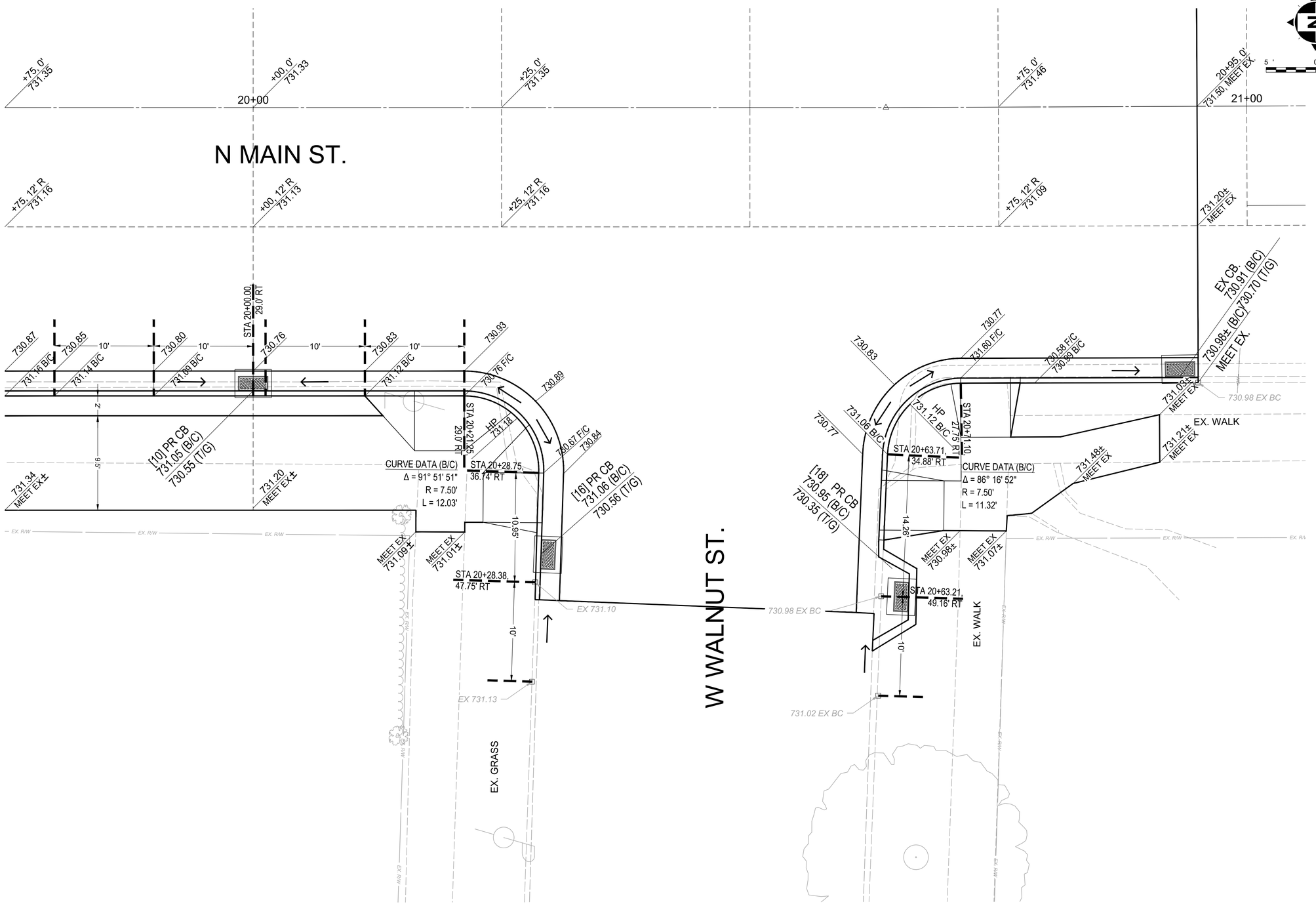
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
GRD6
SHEET 21 OF 24



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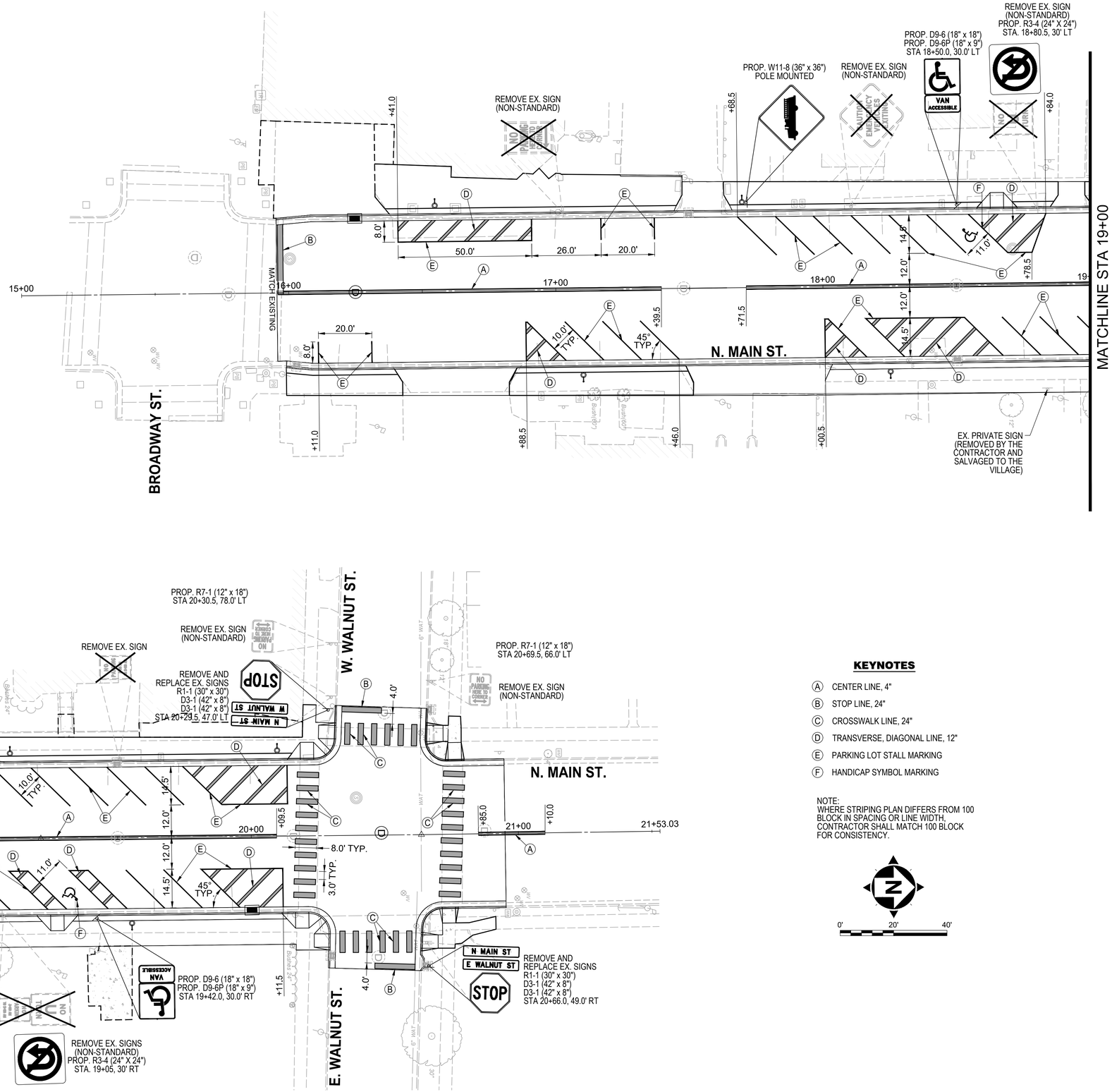
VILLAGE OF NORTH BALTIMORE, OHIO

GRADING DETAILS

PROJECT NO. 190961
DISCIPLINE CIVIL
SHEET NAME GRD7
SHEET 22 OF 24



KEYNOTES

- (A) CENTER LINE, 4"
- (B) STOP LINE, 24"
- (C) CROSSWALK LINE, 24"
- (D) TRANSVERSE, DIAGONAL LINE, 12"
- (E) PARKING LOT STALL MARKING
- (F) HANDICAP SYMBOL MARKING

NOTE:
WHERE STRIPING PLAN DIFFERS FROM 100 BLOCK IN SPACING OR LINE WIDTH, CONTRACTOR SHALL MATCH 100 BLOCK FOR CONSISTENCY.

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VILLAGE OF NORTH BALTIMORE, OHIO

TRAFFIC CONTROL PLAN

PROJECT NO.
190961
DISCIPLINE
CIVIL
SHEET NAME
TC1
SHEET 23 OF 24

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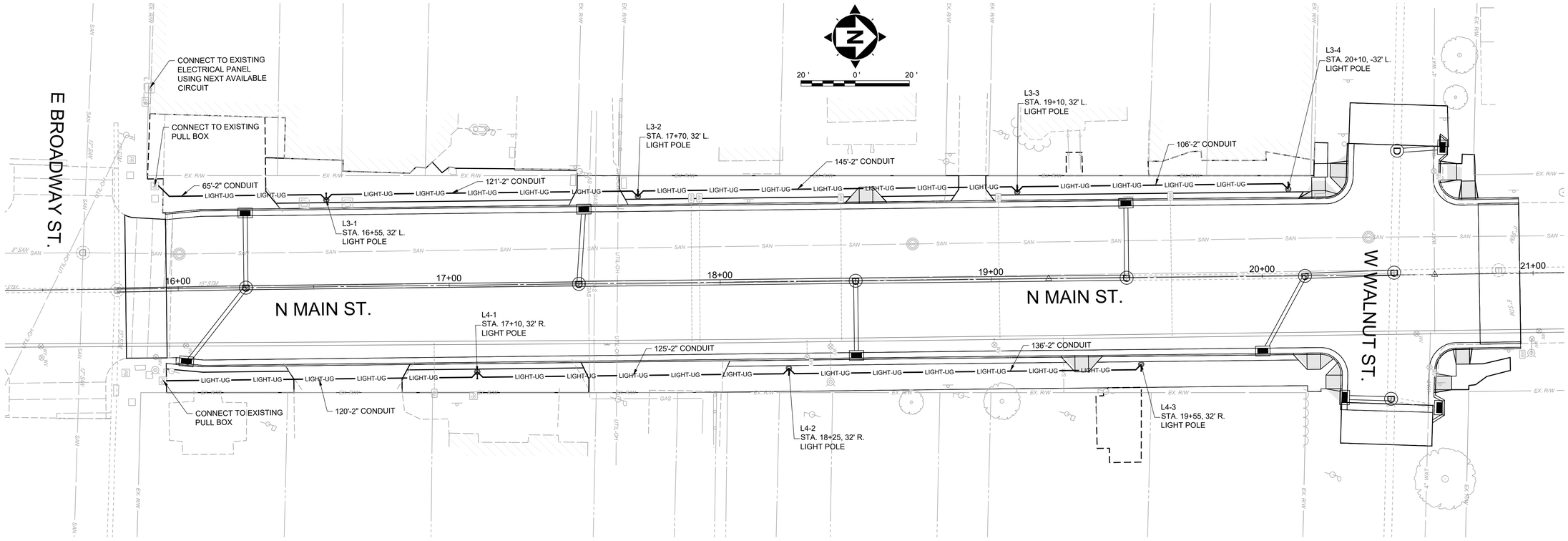


VOLTAGE DROP CALCULATIONS

120V 3 wire (1 Hot, 1 Neutral, 1 Ground)									
2	Conductors					0.49	ohms/1000 ft		
From	To	Conductor Distance	Amps	Amps Accum	Amp-Ft	AWG	Voltage Drop	Voltage Drop Accum	% Drop
L3-4	L3-3	106	2.83	2.83	299.98	6	0.29	0.29	0.24%
L3-3	L3-2	145	2.83	5.66	820.7	6	0.80	1.10	0.92%
L3-2	L3-1	121	2.83	8.49	1027.29	6	1.01	2.11	1.75%
L3-1	LCC	110	2.83	11.32	1245.2	6	1.22	3.33	2.77%
L4-3	L4-2	136	2.83	2.83	384.88	6	0.38	0.38	0.31%
L4-2	L4-1	125	2.83	5.66	707.5	6	0.69	1.07	0.89%
L4-1	LCC	230	2.83	8.49	1952.7	6	1.91	2.98	2.49%
Check 15 amp load on longest duplex recepticle									
L4-3	LCC	491	15	15	7365	6	7.22	7.22	6.01%
100 Watt Fixture/120 V = 0.83 Amps/Fixture + 2amp - accessory lighting = 2.83amps/pole									
Circuit Load				19.81	amps				
				20	amp breaker				

LIGHTING NOTES:

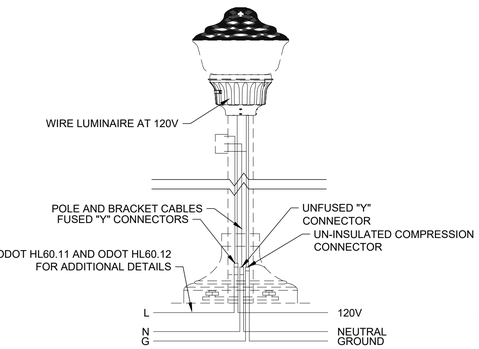
THIS WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LIGHTING PLAN, ODOT 2019 CMS 625, AND STANDARD CONSTRUCTION DRAWINGS HL-60.11, HL-60.12, HL-20.11.

AEP IS RESPONSIBLE FOR THE REMOVAL OF EXISTING LIGHT POLES AND THE RELOCATION OF EXISTING POWER POLES. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF EXISTING LIGHT POLE REMOVAL AND POWER POLE RELOCATION WITH OWNER AND WITH AEP, HOWEVER, THE VILLAGE WILL PAY AEP DIRECTLY FOR REMOVAL AND RELOCATION.

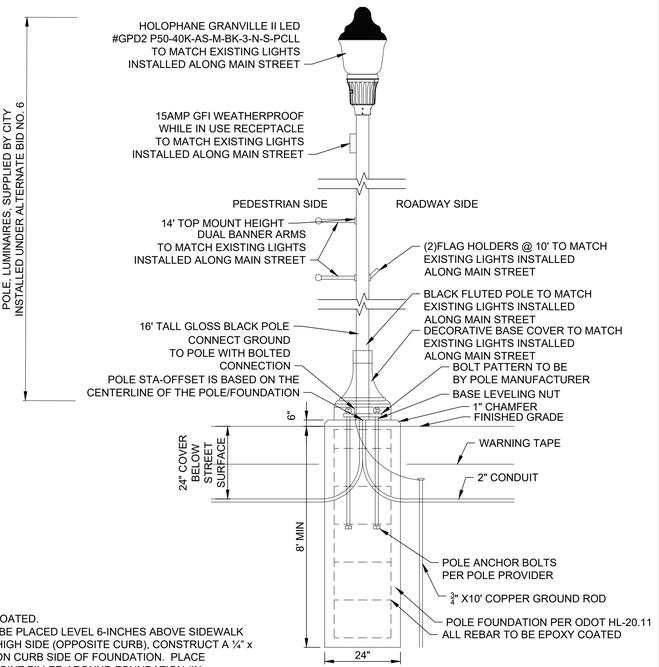
ITEM 625, ERECTING LIHT POLE (INSTALLATION ONLY), AS PER PLAN
ITEM 625, LUMINAIRE, INSTALLATION ONLY, AS PER PLAN
NEW LIGHT POLES AND LUMINAIRES, MEETING THE SPECIFICATIONS INDICATED IN THE LIGHTING PLAN, HAVE BEEN ORDERED AND PURCHASED BY THE VILLAGE. THESE ITEMS SHALL INCLUDE THE LIGHT POLE AND LUMINAIRE INSTALLATION (INCLUDING BANNER ARMS AND FLAG HOLDERS), AND ANY MISCELLANEOUS ITEMS WHETHER OR NOT INDICATED HEREIN OR SEPARATELY ITEMIZED ON THE BID FORM NEEDED FOR THE PROPER CONSTRUCTION AND OPERATION OF LIGHT POLES PER MANUFACTURER, ODOT SPECIFICATION AND NEC CODE.

CONTRACTOR TO VERIFY THAT THERE ARE (2)-120V CIRCUIT WIRING AT THE LIGHTING CONTROL CABINET THAT IS ALREADY INSTALLED. WIRING MAY BE ADJUSTED TO ACCOMMODATE EXISTING CONDITIONS.

CONDUCTORS MUST MEET OR EXCEED ODOT ITEM 725.02 600V WIRE.



POLE WIRING DIAGRAM



DECORATIVE POLE DETAIL

LIGHT POLE FOUNDATION NOTES
1. ALL REBAR IS TO BE EPOXY COATED.
2. LIGHT POLE FOUNDATION TO BE PLACED LEVEL 6-INCHES ABOVE SIDEWALK OR EXISTING CONCRETE ON HIGH SIDE (OPPOSITE CURB), CONSTRUCT A ¼" x ½" x ½" DIA. DRAIN CHANNEL ON CURB SIDE OF FOUNDATION. PLACE ½" PREFORMED EXPANSION JOINT FILLER AROUND FOUNDATION (IN ACCORDANCE WITH ODOT 705.03 AND EXCLUDING FLEXIBLE FOAM PRODUCTS).

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N MAIN STREET RECONSTRUCTION PHASE 2
VILLAGE OF NORTH BALTIMORE, OHIO

LIGHTING PLAN

PROJECT NO.	190961
DISCIPLINE	CIVIL
SHEET NAME	L1
SHEET	24
OF	24

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