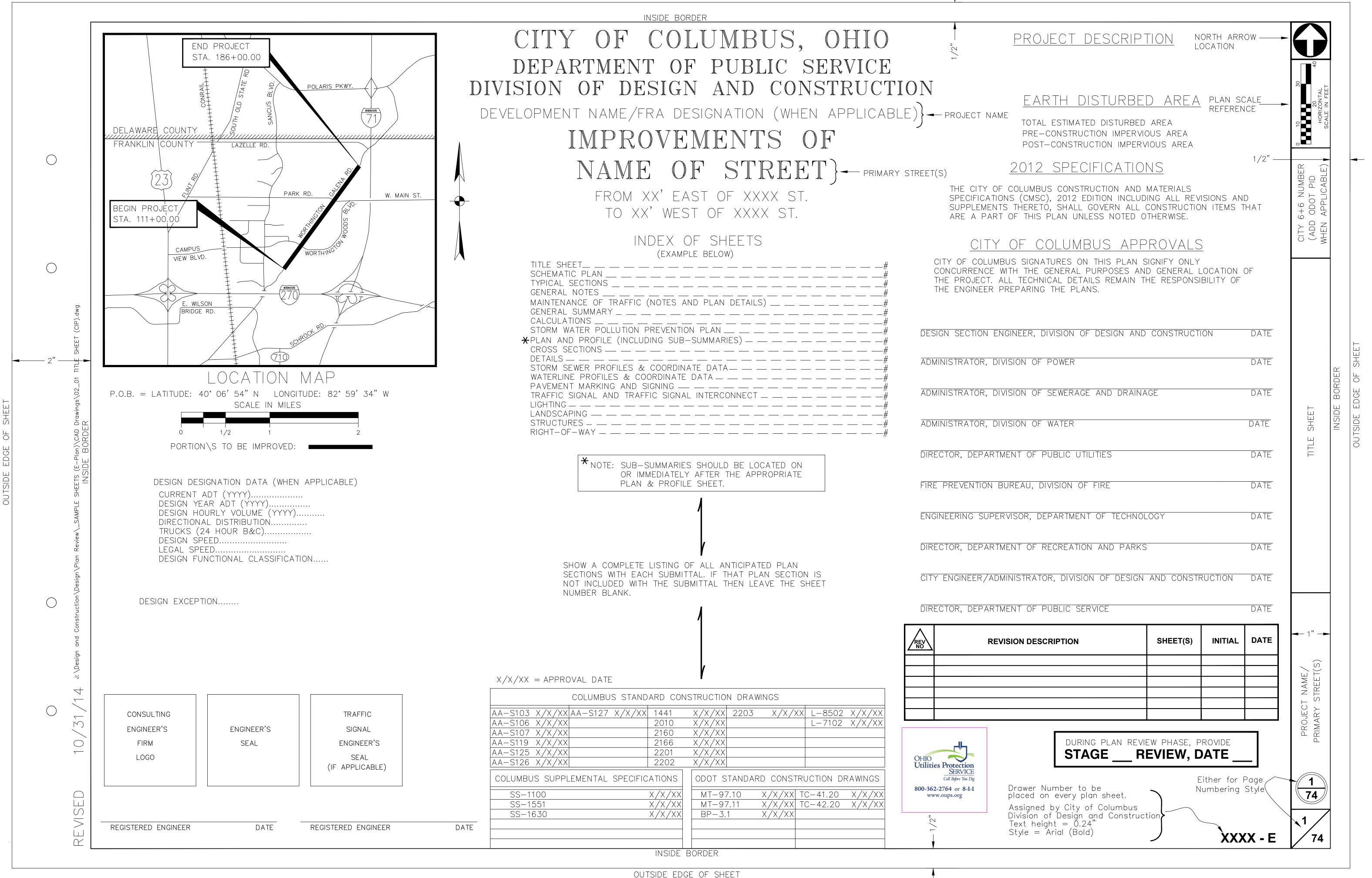
City of Columbus

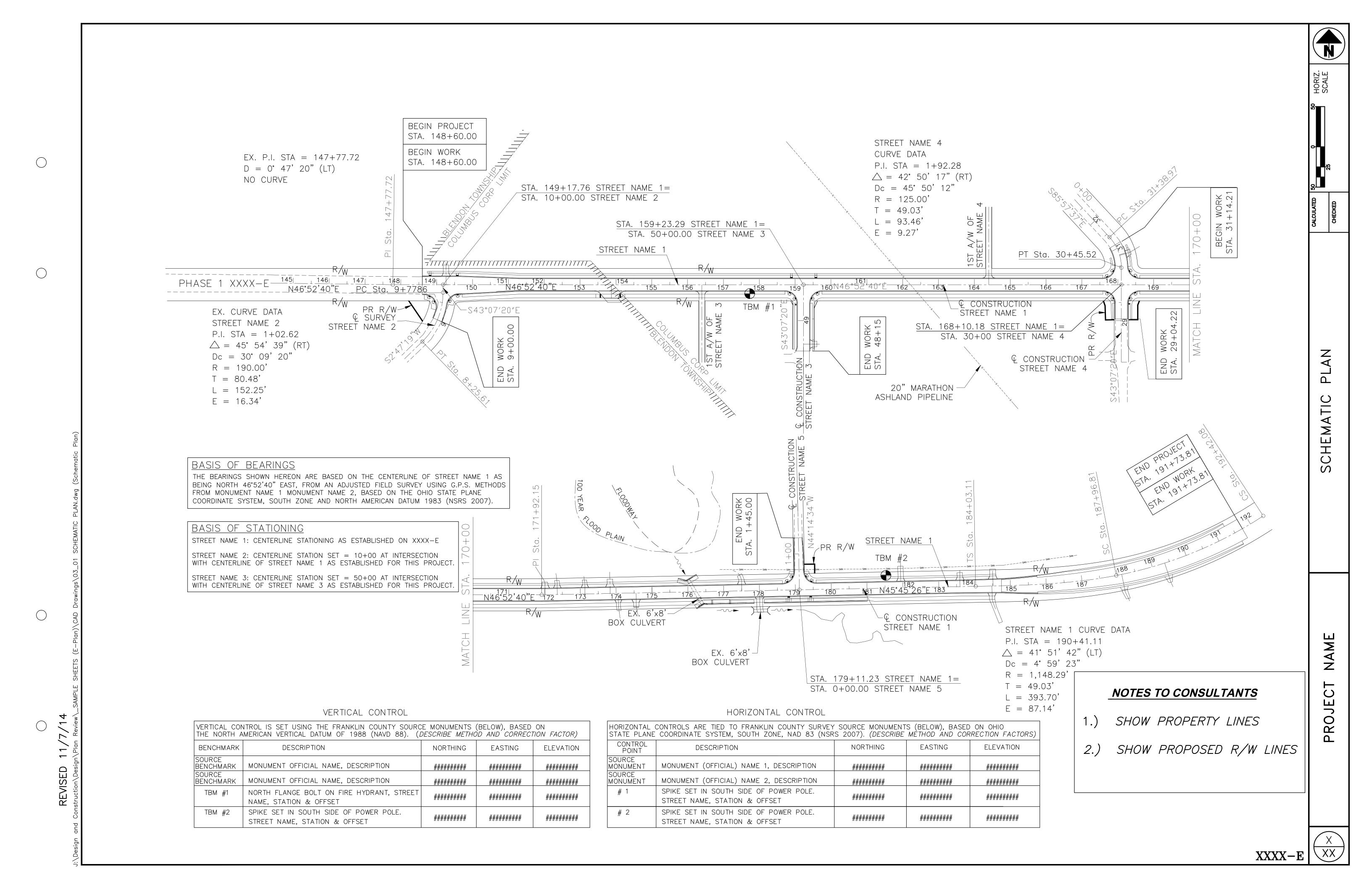
Department of Public Service

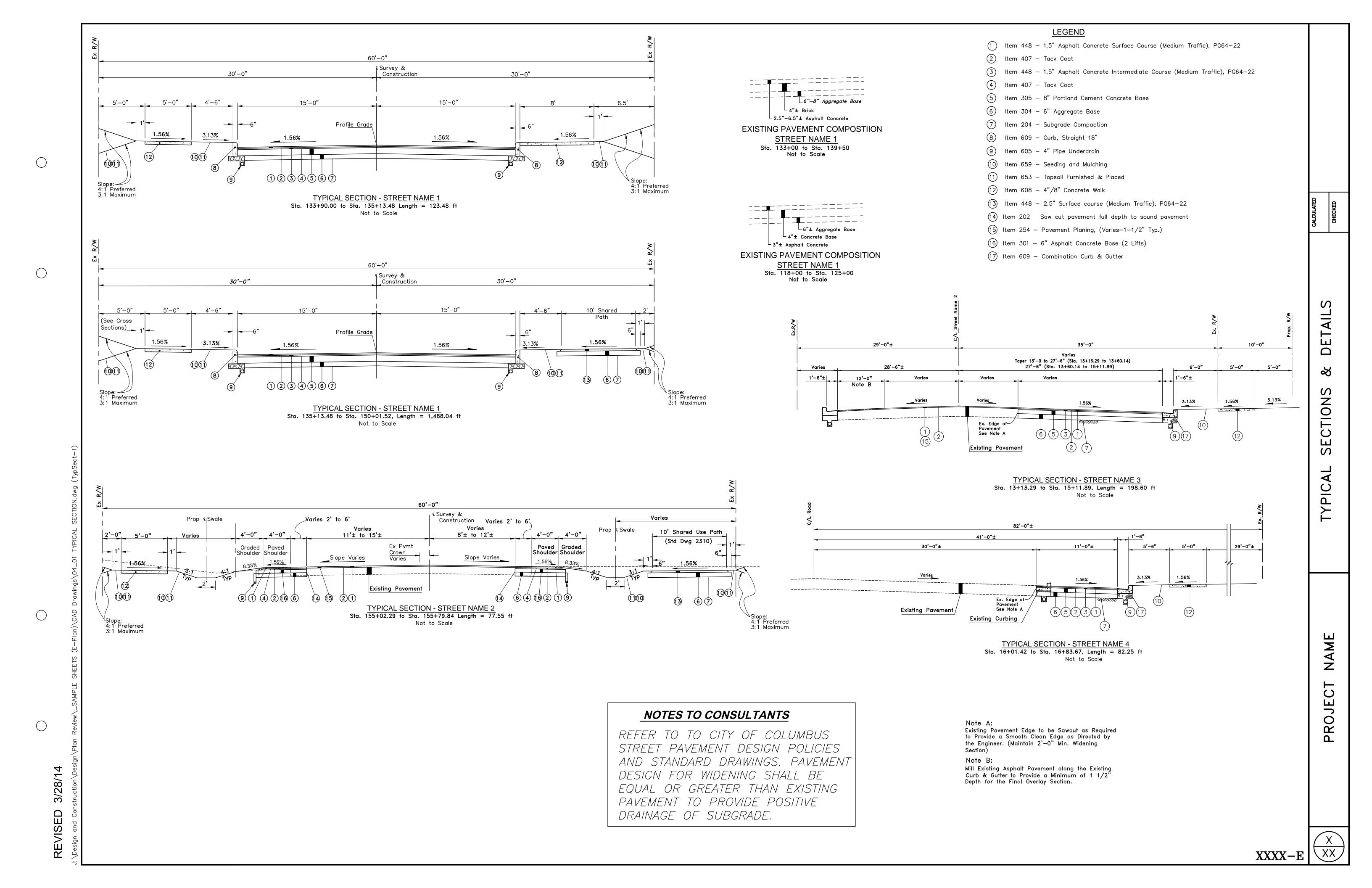
Division of Design and Construction

Capital Improvement Plan (CIP) Sample Plan Sheets









PLAN NOTES - REQUIRED [CIP]

REFERENCE SPECIFICATIONS-

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2012 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THE PLANS UNLESS NOTED OTHERWISE.

PERMITS-

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE- PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE (614) 645-7497; FAX: (614) 645-1876; EMAIL: colspermits@columbus.gov

UTILITIES-

THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLAN.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERAL AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362-2764. A 48-HOUR NOTICE SHALL BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO OUPS.

THE FOLLOWING CITY OF COLUMBUS UTILITIES MAY BE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE:

CITY OF COLUMBUS
DEPARTMENT OF TECHNOLOGY
CITY HALL, 90 WEST BROAD STREET
ROOM 316
COLUMBUS, OHIO 43215
CONTRACTOR LINE: (614) 645-7756
CABLE LOCATE FAX- (614) 645-6627

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC SERVICE
TRAFFIC MAINTENANCE
1820 EAST 17TH AVENUE
COLUMBUS, OHIO 43219
OFFICE- (614) 645-7393
FAX- (614) 645-5967

CITY OF COLUMBUS SUPPORT SERVICES DIVISION-COMMUNICATIONS 4211 GROVES ROAD COLUMBUS, OH 43232 TELEPHONE- (614) 724-7047 FAX- (614) 645-6588 RADIO ROOM: (614) 724-4006

EMERGENCY PROVISIONS-

THE CONTRACTOR SHALL PROVIDE TO THE CITY OF COLUMBUS PROJECT REPRESENTATIVE A LIST OF 24 HOUR EMERGENCY TELEPHONE NUMBERS (IN WRITING) PRIOR TO THE START OF CONSTRUCTION.

SECURING EXCAVATIONS & TRENCHES FOR NON-WORKING HOURS-

EXCAVATIONS AND TRENCHES OVER 24 INCHES DEEP SHALL BE SECURELY PLATED OR BACKFILLED DURING NON-WORKING HOURS.

CONSTRUCTION LIMITS-

THE CONSTRUCTION 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 OF THESE CONSTRUCTION LIMITS.

MISCELLANEOUS WORK ITEMS-

THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS, FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES BID FOR THE PROJECT IMPROVEMENT.

BENCHMARKS AND SURVEY MONUMENTS-

DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 462-3026, PRIOR TO CONSTRUCTION, TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTING, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT.

PLAN NOTES - INCLUDE ONLY IF APPLICABLE [CIP]

SAW CUTTING IS INCLUDED-

THE COST OF SAW CUTTING FOR THE REMOVAL OF PAVEMENT, CURB, WALKS, ETC. SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 202 WORK ITEMS. SAW CUTTING IS REQUIRED TO PROVIDE SMOOTH STRAIGHT EDGES FOR REMOVAL PURPOSES.

NEW CURB RADIUS-

INTERSECTION CORNERS OR HORIZONTAL CURVES SHALL MATCH THE EXISTING RADIUS UNLESS NOTED OTHER WISE.

COTA- SIGNS AND/OR BUS STOPS-

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT SENIOR SERVICE PLANNER OF THE CENTRAL OHIO TRANSIT AUTHORITY (COTA) @ PH- (614) 308-4373 OR FAX- (614) 275-5933 TO COORDINATE PROPER BUS MOVEMENTS THROUGH OR AROUND THE JOB SITE DURING THE PROJECT. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, THE TEMPORARY RELOCATION OR REMOVAL OF COTA SIGNS AND/OR BUS STOP LOCATIONS.

COTA- BUS SHELTERS/PADS-

THE CONTRACTOR SHALL NOTIFY SENIOR SERVICE PLANNER OF COTA @ PH- (614) 308-4373 OR FAX- (614) 275-5933 A MINIMUM OF TWO WEEKS PRIOR TO THE REQUIRED REMOVAL OF A BUS SHELTER. COTA WILL DISASSEMBLE THE SHELTER AND THEN REINSTALL IT ONCE THE NEW CONCRETE SLAB IS IN PLACE. CONTRACTOR SHALL CONSTRUCT THE SLAB AS DIRECTED BY THE PLANS OR OTHER CONTRACT DOCUMENTS. ALL CONCRETE SLAB WORK SHALL BE PAID AS PER ITEM SPECIAL, REMOVE AND REPLACE BUS SHELTER SLAB, WITH THE CONTRACT UNIT PRICE PER EACH. THIS PAY ITEM SHALL INCLUDE ALL EXCAVATION AND REMOVAL WORK, EXPANSION JOINT MATERIAL, ITEM 608 - 6" CONCRETE WALK, AND ANY OTHER WORK AS REQUIRED OR DIRECTED BY THE ENGINEER.

GAS SERVICE VALVES ADJUSTED TO GRADE-

THE CONTRACTOR SHALL CONTACT COLUMBIA GAS (614) 460-2244 TO COORDINATE THE ADJUSTMENT OF GAS SERVICE VALVES.

COLUMBIA GAS DAMAGE PREVENTION CENTER-

FOR INFORMATION CONCERNING COLUMBIA GAS LINES OR EQUIPMENT, OR IF DAMAGE OCCURS TO GAS LINES OR EQUIPMENT, THE CONTRACTOR CAN CALL THE COLUMBIA GAS DAMAGE PREVENTION CENTER @ (614) 280-7372 OR TOLL FREE @ (866) 632-6243.

NEW PIPE CONNECTION TO AN EXISTING SEWER STRUCTURE-

WHERE THE PLANS PROVIDE FOR NEW PIPE TO BE CONNECTED TO AN EXISTING SEWER/STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING AN OPENING AT THE PROPER SIZE, ALIGNMENT, AND ELEVATION FOR THE CONNECTION. THE OPENING SHALL BE MADE LARGE ENOUGH TO RECEIVE AND JOIN THE PROPOSED PIPE PER CMSC ITEM 604.

NO DIRECT PAYMENT SHALL BE MADE. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 901-_ PIPE WITH TYPE _ BEDDING.

CONTINGENCY QUANTITIES-

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK SHOWN, LABELED, OR LISTED AS 'CONTINGENCY' OR REFERENCED BY PLAN NOTE TO BE USED 'AS DIRECTED BY THE ENGINEER,' UNLESS AUTHORIZED BY THE ENGINEER, OR A REPRESENTATIVE OF THE CITY OF COLUMBUS, DIVISION OF DESIGN AND CONSTRUCTION.

CONCRETE WALKS-

ALL EXISTING CONCRETE SIDEWALKS BEING REPLACED WITH NEW CONCRETE SIDEWALKS SHALL BE REMOVED AT AN EXISTING JOINT AND REPLACED PER STANDARD DRAWING 2300. INSTALL EXPANSION JOINT WHERE NEW CONCRETE ADJOINS EXISTING SIDEWALK.

ALL EXISTING CONCRETE SIDEWALKS NOT SCHEDULED FOR REPLACEMENT BUT BEING CROSSED BY THE INSTALLATION OF TRAFFIC ITEMS, ELECTRICAL CONDUIT, PIPING, ETC. SHALL BE FULLY REMOVED AT AN EXISTING JOINT AND REPLACED PER STANDARD DRAWING 2300 UNLESS NOTED OTHERWISE.

PAYMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608- CONCRETE WALK.

"AS PER PLAN" NOTES - INCLUDE ONLY IF APPLICABLE [CIP]

AN 'AS PER PLAN' ITEM IS A STANDARD PAY ITEM WHOSE REQUIREMENTS NEED TO BE MODIFIED FROM THAT WHICH IS DEFINED IN THE CMSC OR SUPPLEMENTAL SPECIFICATIONS. EACH 'AS PER PLAN' ITEM SHALL HAVE A CORRESPONDING PLAN NOTE(S) OR PLAN DETAIL(S) OR COMBINATION. CLEARLY SPECIFY THE DEVIATIONS FROM THE STANDARD ITEM IF AN ITEM IS 'AS PER PLAN.' THE 'AS PER PLAN' TEXT SHALL BE INSERTED AT THE END OF THE ITEM DESCRIPTION.

EXAMPLES:

WALK REMOVED 'AS PER PLAN'

THE EXISTING SIDEWALK SHALL BE REMOVED IN ACCORDANCE WITH THE PROPOSED SIDEWALK DETAILS. REMOVAL SHALL BE IN CONFORMANCE WITH CMSC SECTION 202. REFERENCE THE PLANS FOR LOCATIONS. THICKNESS' OF EXISTING WALKS VARY FROM 4" TO 8". NO SEPARATE PAYMENT SHALL BE MADE FOR REMOVAL OF THE VARIOUS THICKNESS' OF THE WALKS ENCOUNTERED. ANY SAW CUTTING NECESSARY TO REMOVE SIDEWALKS SHALL BE INCLUDED. PAYMENT SHALL BE PER SQUARE FOOT AND SHALL INCLUDE ALL NECESSARY TOOLS, LABOR, AND MATERIALS.

PAVEMENT PLANING 'AS PER PLAN'

UNDER THIS ITEM, ASPHALT SHALL BE MILLED FROM DESIGNATED STREETS TO A MINIMUM 1" DEPTH (TYPICAL 1.5"), OR AS INDICATED WITHIN THESE PLANS. PLANING DEPTHS INDICATED MAY BE ADJUSTED IN THE FIELD AT THE ENGINEER'S DISCRETION. INCREASED OR DECREASED PAVEMENT PLANING THICKNESS SHALL BE PERFORMED AT NO ADDITIONAL COST. ALL STREET PLANING SHALL MAINTAIN THE EXISTING CROWN. IF THE CROWN IS REMOVED AS A RESULT OF THE CONTRACTOR'S ERROR OR WITHOUT THE ENGINEER'S PRIOR APPROVAL, NO ADDITIONAL ASPHALT ABOVE THE PLAN QUANTITY FOR EACH SHEET SHALL BE PAID.

THE CONTRACTOR SHALL LOCATE ALL EXISTING LOOP DETECTORS PRIOR TO PLANING. IN THE EVENT A LEAD-IN CABLE IS DAMAGED, THE CONTRACTOR SHALL REPAIR. NO SEPARATE PAYMENT SHALL BE MADE FOR LOOP DETECTOR REPAIRS.

BRICKS REMOVED, SALVAGED AND DELIVERED (S.Y.)

REMOVAL: CAREFULLY REMOVE ALL BRICKS AS INDICATED FOR REMOVAL WITHOUT UNNECESSARY DAMAGE AND CLEANED FOR RE-USE. INCLUDE THE REMOVAL AND DISPOSAL OF THE SAND SETTING BED.

SALVAGE: STACK ALL UNDAMAGED AND CLEANED BRICKS ON PALLETS AND SECURELY WRAP, FASTEN OR BOX IN PALLETS. STACK BRICKS NO MORE THAN EIGHT (8) LAYERS HIGH.

DELIVERY: TRANSPORT ALL SALVAGED BRICKS TO THE CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE 25TH AVE. MAINTENANCE YARD. CONTRACTOR SHALL CALL THE MAINTENANCE YARD MANAGER AT (614) 645-8120 AT LEAST TWO WEEKS IN ADVANCE TO MAKE ARRANGEMENTS FOR DELIVERY. PAYMENT FOR THIS WORK SHALL BE MADE AFTER THE UNDAMAGED BRICK HAS BEEN DELIVERED. INCLUDE IN THE COST ALL WORK REQUIRED TO REMOVE, CLEAN, SALVAGE, AND DELIVER BRICK AS BID PRICE FOR ITEM 202 - BRICK REMOVED FOR STORAGE, AS PER PLAN - SY.



'ITEM SPECIAL' NOTES - INCLUDE ONLY IF APPLICABLE [CIP] OR [PRIV DEV]

A 'SPECIAL' ITEM IS AN ITEM THAT DOES NOT EXIST IN THE STANDARD DRAWINGS, THE CMSC. OR SUPPLEMENTAL SPECIFICATIONS. IT SHALL BE CREATED BY MEANS OF CORRESPONDING PLAN NOTES, PLAN DETAILS, OR A COMBINATION THEREOF WHICH CLEARLY SPECIFIES ALL ASPECTS OF THE ITEM. IF AN ITEM IS A 'SPECIAL' THE WORD 'SPECIAL' SHALL BE INSERTED IN THE ITEM COLUMN.

EXAMPLES:

STONE CURB TO BE REMOVED AND SALVAGED

THE CONTRACTOR SHALL REMOVE, SALVAGE, AND DELIVER TO THE CITY OF COLUMBUS THE STONE (SANDSTONE, GRANITE) CURBING FROM THE EXISTING STREETS AS DIRECTED BY THE PLAN. THE CURB SECTIONS SHOWN ON THE PLANS TO BE SALVAGED SHALL BE CAREFULLY REMOVED WITHOUT NECESSARY DAMAGE AND CLEANED FOR RE-USE. STRAIGHT CURB SECTIONS TO BE SALVAGED SHALL BE AT LEAST FOUR FEET IN LENGTH. CURVED SECTIONS OF ANY LENGTH SHALL BE SALVAGED. ALL CLEANED CURB SECTIONS SHALL BE STACKED (NO MORE THAN FOUR HIGH) AND SECURELY FASTENED OR BOXED ONTO PALLETS.

WHEN THE CURBING HAS BEEN SECURED ONTO PALLETS. THE CONTRACTOR SHALL TRANSPORT IT TO THE CITY OF COLUMBUS. DEPARTMENT OF PUBLIC SERVICE - 25TH AVE. STREET MAINTENANCE YARD. THE CONTRACTOR SHALL CALL THE MAINTENANCE YARD MANAGER @ (614) 645-8120 AT LEAST TWO WEEKS IN ADVANCE TO MAKE ARRANGEMENTS FOR DELIVERY. PAYMENT FOR THIS WORK SHALL BE MADE AFTER THE CURBING HAS BEEN DELIVERED TO THE 25TH AVE MAINTENANCE YARD.

THE COST FOR ALL WORK REQUIRED TO REMOVE, CLEAN, SALVAGE, AND DELIVER CURBING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM SPECIAL - CURB REMOVED FOR STORAGE - L.F.

ASPHALT CONCRETE PATCHING

THIS ITEM IS TO BE USED AS DIRECTED BY THE ENGINEER, WHEREVER AND WHENEVER IT BECOMES NECESSARY, IN THE OPINION OF THE ENGINEER, TO ALLEVIATE HAZARDOUS SITUATIONS, SUCH AS MANHOLE CASTINGS, VALVE CASTINGS, AND OTHER HAZARDOUS CONDITIONS THAT MAY EXIST. EACH SEPARATE AND DISTINCT AREA WHICH REQUIRES THIS ITEM WILL BE PAID AS

ITEM SPECIAL - ASPHALT CONCRETE PATCHING - CY.

INCLUDE PROJECT SPECIFIC NOTES FOR PLANS AS APPLICABLE

A PROJECT SPECIFIC NOTE IS A 'CUSTOM' NOTE THAT IS UNIQUE TO EACH INDIVIDUAL PLAN. IT IS TYPICALLY USED TO CONVEY INFORMATION AND/OR DETAIL CONCERNING WORK ASSOCIATED WITH THE PROJECT.

EXAMPLE:

SOILS INVESTIGATION

GEOTECHNICAL REPORTS HAVE BEEN PREPARED FOR THIS PROJECT. COPIES OF THESE REPORTS MAY BE OBTAINED FROM THE DIVISION OF DESIGN AND CONSTRUCTION.

INCLUDE OTHER AGENCY NOTES FOR PLANS AS APPLICABLE

POWER

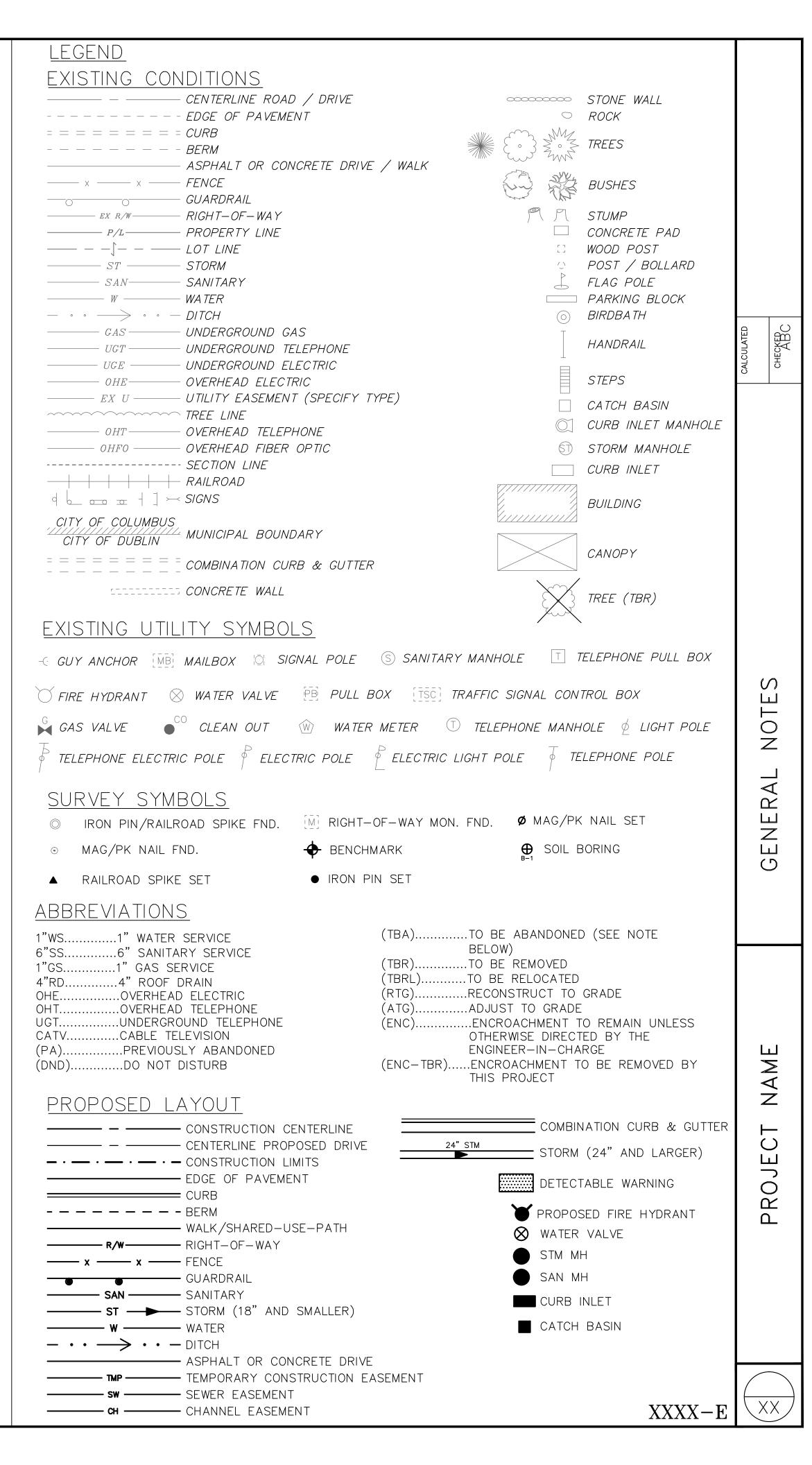
THE DIVISION OF POWER HAS (PRIMARY OR STREET LIGHTING OR SECONDARY) IN THE PROJECT

AREA. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 1(800) 362-2764 FORTY EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA. THE DOP DISPATCH OFFICE NUMBER IS: (614) 645-7627 (VOICE)

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S (STREET LIGHTING SYSTEM FOR STREET LIGHTING) OR (ELECTRICAL FACILITIES FOR PRIMARY) IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS - CITY OF COLUMBUS (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMS MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING CONDUCTOR SAFETY POLICY AND HOLD CARD SYSTEM, MIS-95 COPIES OF WHICH ARE AVAILABLE FROM DOP IF YOU HAVE ANY QUESTIONS, CALL SCOTT WOLFE AT (614) 724-4351 OR CHRIS VOGEL AT (614) 645-6963.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

WATER



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A. TEMPORARY TRAFFIC CONTROL ITEMS

- ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO, 43216. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 CRASH TESTING **GUIDELINES.**
- CONSTRUCTION OPERATIONS SHALL **NOT** BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR, IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS. INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 645-6269 OR 645 5845, THE COLUMBUS PAVING THE WAY PROGRAM COORDINATOR AT 645-7283 OR 645 6016, OR pavingtheway@columbus.gov, AND THE PROJECT ENGINEER, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGES SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:

Y NOTIFICATION PRIOR TO CLOSURE
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THE COLUMBUS PAVING THE WAY PROGRAM COORDINATOR SHALL BE SUPPLIED COPIES OF ALL NOTIFICATION LETTERS SENT TO AREA BUSINESSES AND RESIDENTS.

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

- 4. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OMUTCD. ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR.
- THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.
- ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.
- THE ROADWAY SHALL **NOT** BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROL ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROL ARE STOP, YIELD, ONE-WAY, DO NOT ENTER, AND RESTRICTED TURN SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.
- ITEM 614 MAINTAINING TRAFFIC, LUMP SUM

TRAFFIC, LUMP SUM.

ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614.

IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE PROJECT ENGINEER WHEN SHIFTING TRAFFIC LEFT OF CENTER. THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN OR LEO UNDER PAY ITEM 614 MAINTAINING

FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL **NOT** BE USED IN FLAGGING OPERATIONS.

IF THE CONTRACTOR WISHES TO UTILIZE LEOS' FOR TRAFFIC CONTROL OTHER THAN FOR THE REQUIRED IN THE PLANS, THEY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645-4795.

LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT.LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT, OR MODIFY ANT MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS SAFETY AND SERVICES DIRECTOR AT THE CONTRACTOR'S EXPENSE.

ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITH PATROL CAR, AS PER PLAN

IN ADDITION TO THE LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED FORWARD TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE OF THE CITY OF COLUMBUS. THE OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN - ____ HOURS

ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITHOUT PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN THE ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED FORWARD THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE OF THE CITY OF COLUMBUS. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN - _____ HOURS

TEMPORARY TRAFFIC CONTROL NOTES IF APPLICABLE FOR CAPITAL IMPROVEMENT PROJECTS

B. TEMPORARY TRAFFIC CONTROL ITEMS

- 1. PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF ROADWAY. THE MESSAGE SHALL ADVISE THE MOTORISTS OF THE DATES, TIMES, AND DURATION OF THE CLOSURE. THE PCMS SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE START OF THE CLOSURE, OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER.
- 2. A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE TTC COORDINATOR AT 645-6269 OR 645-5845 AT THE PRE-CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE BEGINNING OF WORK. COPIES OF THE APPROVED TTCP SHALL BE GIVEN TO THE PROJECT ENGINEER AND KEPT ON SITE ALONG WITH THE STREET CLOSURE / OCCUPANCY PERMIT.
- 3. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ONLY 42" REFLECTORIZED CHANNELIZING DEVICES (CONES) SHALL BE PERMITTED FOR NIGHTTIME WORK WITH THE APPROVAL OF THE TTC COORDINATOR AT 645-6269 OR 645-5845 PER ODOT STANDARDS.
- 4. A FLASHING ARROW PANEL (48" x 96"-TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL (OMUTCD)
- 5. ALL TRENCHES WITHIN THE ROAD RIGHT OF WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF COLUMBUS GENERAL POLICY ON STEEL PLATE USAGE DATES 11/15/2006 AND 2013 STD. DWG. 1441) DURING NON-WORKING HOURS.
- 6. ALL EXISTING TRAFFIC LANES SHALL BE OPEN TO TRAFFIC AT ALL TIMES ON:
- 7. ALL TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC FROM 6:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M., OR 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 6:00 P.M. IN THE COLUMBUS BUSINESS DISTRICT AREA, MONDAY THROUGH FRIDAY _____. LANE (S) MAY BE CLOSED TO TRAFFIC DURING WORKING HOURS.
- 8. ONE-WAY LANE (S) OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON
- 9. TWO-WAY TWO-LANE (ONE-LANE EACH DIRECTION) SHALL BE MAINTAINED AT ALL TIMES BY USE OF EXISTING, PROPOSED, OR TEMPORARY PAVEMENT PER FIGURE 6H-32 TYPICAL APPLICATION 32 (TA-32) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 10. TWO-WAY ONE-LANE TRAFFIC MAY BE MAINTAIN DURING CONSTRUCTION OPERATIONS ON PER FIGURE 6H-10 (TA-10) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- MAY BE CLOSED BETWEEN AND FOR A MAXIMUM OF (S) BETWEEN THE HOURS OF AND PER FIGURE 6H-20 (TA-20) OF THE OMUTCD AND/OR APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS IN PROVIDING A DETOUR INCLUDING THE REMOVAL AND REINSTALLATION OF ANY CONFLICTING TRAFFIC CONTROL AND/OR ANY NECESSARY TRAFFIC SIGNAL WORK.
- 12. A TEMPORARY DIVERSION SHALL BE PROVIDED AND MAINTAINED IN GOOD CONDITION ON DURING THE PERIOD OF WORK. ALL SUCH DIVERSIONS SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL of UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
- 13. THE DEPARTMENT OF PUBLIC SERVICE WILL REMOVE OR COVER ALL PARKING METER HEADS PUT OUT OF SERVICE BY THIS CONTRACT. THERE IS A \$60.00 CHARGE FOR THE REMOVAL AND RE-INSTALLATION OF EACH METER. IN ADDITION, A DAILY METER FEE WILL BE CHARGED FOR ALL ENFORCEMENT HOURS FOR EACH METER TAKEN OUT OF SERVICE. THESE CHARGES WILL BE COLLECTED FROM THE CONTRACTOR IN ADVANCE WITH THE ISSUANCE OF THE STREET OCCUPANCY / EXCAVATION PERMIT FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. (645-7497) THE MANAGER OF PARKING SERVICES SUPPORT (645-7890) SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. SUN., & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK. CALL 645-8376 IF UNABLE TO MAKE CONTACT THROUGH THE PRIOR PHONE NUMBER.
- 14. TEMPORARY "EMERGENCY NO PARKING" SIGNS SHALL BE INSTALLED AT 50' INTERVALS C/C MINIMUM BY USE OF ANY OF THE FOLLOWING ITEMS: EXISTING SIGN POSTS, EXISTING UTILITY POLES, DRUMS AND/OR 42"CONES AND REMOVED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS. THE SIGNS SHALL HAVE THE INSTALLATION DATE, WORKING DATES, AND HOURS OF RESTRICTION SHOWN ON EACH SIGN. THESE SIGNS CAN BE OBTAINED FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. THE POLICE DIVISION REQUIRES THE "EMERGENCY NO PARKING" SIGNS TO BE POSTED A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY VEHICLES BEING TOWED. WITHIN TWENTY-FOUR (24) HOURS OF POSTING, THE CONTRACTOR SHALL SUPPLY THE DEPARTMENT OF PUBLIC SERVICE WITH A WRITTEN RECORD OF POSTED LOCATIONS (FAX 645-3298).
- 15. TRAFFIC OPERATIONS' PERSONNEL SHALL LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES. THE TRAFFIC OPERATIONS SHOP SHALL BE NOTIFIED 645-7393 (FAX 645-5967) AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SATURDAY & SUNDAY) PRIOR TO THE BEGINNING OF ANY WORK WITH 450 FEET OF ANY SIGNALIZED INTERSECTION (S) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE. THE SIGNAL OPERATION ENGINEER (645-6418) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISION OR POLE RELOCATIONS.

- 16. NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARMS OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET. BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT SIGNAL OPERATION PERSONNEL AT 645-0423 (CELL 419-4501) AT LEAST FORTY-EIGHT 48 HOURS (EXCLUDING SATURDAY & SUNDAY) PRIOR TO BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. IF UNABLE TO MAKE CONTACT THROUGH ABOVE NUMBERS, CALL 645-7393. STABILIZATION WILL BE DONE BY THE CONTRACTOR AT THE OWNERS' / CONTRACTING AGENCY'S EXPENSE.
- 17. SIGNAL CONDUIT CLEARANCE FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES, THE SIGNAL CONDUIT CLEARANCE TABLE CAN BE FOUND IN THE CITY OF COLUMBUS TRAFFIC SIGNAL DESIGN MANUAL TABLE 13.2, MINIMUM CONDUIT CLEARANCE.
- 18. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 645-0423 (CELL 451-4501) BETWEEN 7:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY. IF UNABLE TO MAKE CONTACT THROUGH THE OTHER NUMBERS, CALL 645-7393.
- 19. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO THE CMS-614.11F, AND SHALL BE PAID FOR THROUGH THE 614-LUMP SUM.
- 20. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINE ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINAL COURSES OF ASPHALT. PAINT OR TAPE MAY BE USED ON ALL INTERMEDIATE COURSES OF ASPHALT. IF APPROVED BY THE ENGINEER, DRUMS WITH STEADY BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND "KEEP RIGHT" SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.
- 21. CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER ITEM 614-WORK ZONE PAVEMENT MARKINGS AND SHALL BE PLACED WITH ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE (S). ALL STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED AT A MAXIMUM OF FORTY (40) FEET CENTER TO CENTER.

EXISTING PERMANENT TRAFFIC CONTROL NOTES REQUIRED FOR CAPITAL IMPROVEMENT PROJECTS

C. EXISTING PERMANENT TRAFFIC CONTROL ITEMS

D. EXISTING PERMANENT TRAFFIC CONTROL ITEMS

- 1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.
- 3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVING MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY PUBLIC SERVICE PAVEMENT MARKING MANAGER.

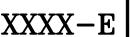
EXISTING PERMANENT TRAFFIC CONTROL NOTES IF APPLICABLE FOR CAPITAL IMPROVEMENT PROJECTS

- 1. ALL OVERHEAD CABLE, DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL
- 2. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKING TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.
- 3. PERMANENT STRIPING OR CLASS I TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY
- 4. IF THE DEPARTMENT OF PUBLIC SERVICE IS TO INSTALL PERMANENT STRIPING, THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE APPLICATION OF THE FINAL COURSE OF PAVEMENT.

EXISTING PERMANENT TRAFFIC CONTROL ITEMS CONTINUED, SEE NOTE #5 SHEET 2



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NOTE #5 INSTRUCTIONS: DO NOT PLACE IN PLAN

INSERT NOTE #5 WHEN; WORKING NEAR A LOCATION WHERE TRAFFIC LOOP DETECTION AND/OR ITS LEAD IN CABLES COULD BE INADVERTENTLY DAMAGED. CONTINGENCY ITEMS AND ESTIMATED QUANTITIES SHALL ONLY BE INCLUDED AS DIRECTED BY THE PLAN REVIEWER. LOOP DETECTION AND/OR ITS LEAD IN CABLES BEING DESTROYED OR ELSE RENDERED INOPERATIVE DUE TO TYPICAL CONSTRUCTION ACTIVITIES SHALL BE QUANTIFIED IN THE GENERAL SUMMARY AND SIGNAL SUMMARY AND SHOWN AS REMOVED AND REPLACED. NOTE # 5 IS NOT REQUIRED FOR THIS OPERATION UNLESS THE AFOREMENTIONED REQUIREMENT IS MET.

5. AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD IN CABLES THE CONTRACTOR SHALL REPLACE THEM. AT ANY LOCATION WHERE DETECTION IS CHANGED FROM MAG PROBE UNITS TO LOOP, THE CONTRACTOR SHALL REPLACE THE PROBE LEAD-IN WITH LOOP LEAD-IN CABLE. ALL REPAIRS TO DETECTION SHALL BE COMPLETED WITHIN 21 DAYS FROM DAMAGE TO DETECTION ON A PER INTERSECTION BASIS. IF THE 21 DAY REPAIR PERIOD CANNOT BE SATISFIED AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD-IN CABLES, THE CONTRACTOR, AT THE DIRECTION OF SIGNAL OPERATION PERSONNEL, MAY BE REQUIRED TO INSTALL A VERSICAM FLEX CAMERA SYSTEM OR TEMPORARY LOOP DETECTION. ANY CONTRACTOR FAILING TO COMPLY WITH THESE GUIDELINES SHALL BE SUBJECT TO PENALTY TO THE SUM OF \$100.00 PER DAY FOR EACH DAY BEYOND THE 21 DAY PERIOD ON A PER INTERSECTION BASIS, UNTIL CONDITIONS ARE MET TO THE SATISFACTION OF SIGNAL OPERATIONS PERSONNEL. THIS PENALTY DEDUCTION SHALL BI SPECIFIC TO EACH SIGNALIZED INTERSECTION EFFECTED BY THIS PROJECT AND SEPARATE FROM ANY LIQUIDATED DAMAGES FOR THE PROJECT AS A WHOLE. THE WORK TO INSTALL THE DETECTION SHALL CONFORM TO ODOT STANDARD DRAWING TC-82.10 (DATED 4/29/02 OR LATER) AND TO THE CURRENT STATE OF OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS WITH THE FOLLOWING PROVISIONS.

- A) THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF PUBLIC SERVICE'S INSPECTOR, PRIOR TO THE COMMENCEMENT OF WORK, THE IMSA (INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION) CERTIFICATION PAPERS FOR ALL SIGNAL TECHNICIANS WORKING ON THIS PROJECT.
- B) LOCATIONS OF THE REPLACEMENT DETECTION SHALL BE FIELD MARKED OR DIMENSIONED DRAWINGS SHALL BE SUBMITTED TO THE CONSTRUCTION SECTION BY DEPARTMENT OF PUBLIC SERVICE PERSONNEL. LOCATION OF FINAL PAVEMENT MARKINGS OR THE MARKINGS THEMSELVES SHALL BE CLEARLY INDICATED ON THE ASPHALT PRIOR TO DETECTOR LOCATIONS BEING MARKED. THE CONTRACTOR SHALL LAYOUT THE LOOPS ON THE PAVEMENT IF DRAWINGS ARE SUBMITTED. IF DRAWINGS HAVE NOT BEEN PROVIDED, CONTACT SIGNAL OPERATIONS PERSONNEL AT 645-0423 (CELL 419-4501) AT LEAST TWO WORKING DAYS PRIOR TO NEEDING THE LOCATION MARKED. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBERS, CALL 645-7393.
- C) THE SAW SLOT DEPTH FOR LOOP WIRE INSTALLATION SHALL BE FOUR (4) INCHES WITH SIX (6) INCHES AT THE CONDUIT ENTRANCE. IF ADVERSE PAVEMENT CONDITIONS WARRANT, DEPTH MAY BE INCREASED TO SIX (6) INCHES THROUGHOUT AND SHALL BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.
- D) EACH LOOP SHALL HAVE ITS OWN CONDUIT FROM EDGE OF PAVEMENT TO PULL BOX UNLESS SPECIFIED OTHERWISE BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.
- E) THE PULLBOX ASSEMBLY SHALL BE RATED AS MEDIUM TO HEAVY DUTY, TO BE INSTALLED IN CONCRETE WALKWAYS, AND HAVE ALL STAINLESS STEEL HARDWARE. THE PULLBOX COVER SHALL HAVE THE WORD "TRAFFIC" ON IT. THE COVER SHALL BE BOLTED TO THE BOX AND SHALL BE EITHER POLYMER CONCRETE OR STEEL PLATE. THE COVER PLUS HOUSING AS A UNIT SHALL BE RATED TO WITHSTAND A MINIMUM OF 20,000LB. STATIC LOAD OVER A 10"x 10" AREA AS PER ASTM-C857. THE BOX DEPTH SHALL BE 18 INCHES MINIMUM TO 30 INCHES MAXIMUM. IF THE PROJECT DOES NOT SPECIFY 713.08 CONCRETE PULL BOXES, THE SUPPLIED ASSEMBLIES SHALL BE AS FOLLOWS: CDR SYSTEMS MODEL SA32-1015-18, OR SYNERTECH MODEL 11"x 18". SIX (6) INCHES OF #4 AGGREGATE SHALL BE PLACED AT THE BOTTOM OF THE PULLBOX. NO CONDUIT SHALL PROTRUDE MORE THAN THREE (3) INCHES INSIDE THE PULLBOX. CONDUIT ELLS OR EXTENSIONS MAY BE USED TO ALIGN THE CONDUIT WITH THE HOUSING. THE COST FOR THE EXTENSIONS OR ELLS IF NEEDED SHALL BE INCIDENTAL TO THE PER UNIT
- F) WHEN A PULLBOX IS NOT USED, THE SOLDERED SPLICE SHALL BE MADE IN AN ANCHOR BASE STRAIN POLE OR CONDUIT RISER SPECIFIED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE, EXCEPT WHERE A CONTROLLER CABINET IS MOUNTED ON THAT POLE IN WHICH CASE THE LOOP WIRE SHALL BE ROUTED DIRECTLY INTO THE CABINET.
- G) THE CONTRACTOR SHALL NOT MAKE ANY WIRING CONNECTIONS OR ADJUSTMENTS INSIDE THE CONTROL CABINET. WHEN SUCH CONNECTIONS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE TRAFFIC OPERATIONS SHOP 645-7393, MON.-FRI., 8AM-4PM, TO SCHEDULE CITY FORCES FOR MAKING THE ACTUAL CONNECTIONS. THE CONTRACTOR SHALL BE AVAILABLE AT THE AGREED TIME. THE CONTRACTOR WILL BE BILLED FOR ANY TIME CITY FORCES ARE REQUIRED TO WAIT FOR THE CONTRACTORS' WORK TO BE COMPLETED.
- H) CONDUIT PLACED IN "RIGHT OF WAY" AREAS BEARING NO TRAFFIC FOR DETECTOR LEAD IN SHALL BE ODOT ITEM 725.051, ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION. CONDUIT PLACED UNDER A ROADWAY OR IN AREAS THAT MAY BEAR TRAFFIC SHALL BE ODOT ITEM 725.04 (SIZES AND TYPE TO BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE. ALL CONDUITS SHALL BE PLACED AT A MINIMUM DEPTH OF 24 INCHES.
- I) LOOP WIRE SHALL BE IDENTIFIED WITH A PLASTIC TAG (WBLT, EBRT, ECT.) AT THE SPLICE POINT OR AT THE ENTRANCE TO THE CABINET IF LEAD-IN CABLE IS NOT USED.
- J) THE ITEMS AND ESTIMATED QUANTITIES FOR THE REPLACEMENT OF THE DEPARTMENT OF PUBLIC SERVICE'S DETECTION ITEMS SHALL BE INCLUDED IN THESE PLANS WHEN DIRECTED BY THE PLAN REVIEWER. THESE ESTIMATES ARE FOR THE PURPOSE OF BIDDING THE PROJECT. THE FOLLOWING LIST OF THE ITEMS AND QUANTITIES PROJECTED FOR USE IN DETECTOR REPLACEMENT FOR THIS PROJECT:

ITEM	QUAINT	UNIT	ITEM DESCRIPTION
202		SF	WALK REMOVED
608		SF	4" CONCRETE WALK
632		LF	CONDUIT RISER, 1 OR 2 INCH DIA.
625		LF	CONDUIT 1, 1 $\frac{1}{2}$, OR 2 INCH DIA.
625		LF	TRENCH
625		EACH	PULL BOX, AS PER PLAN
632		EACH	DETECTOR LOOP
632		LF	LOOP DETECTOR LEAD-IN CABLE
632		LF	LASH / UNLASH CABLE

THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATIONS' PERSONNEL AT 645-0423 (CELL 419-4501) AFTER ALL LOOPS HAVE BEEN INSTALLED AT EACH INTERSECTION. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBER CALL. 645-7393. THE DEPARTMENT OF PUBLIC SERVICE SHALL INSPECT ALL SENSORS AND TEST AS NECESSARY. THE CONTRACTOR SHALL REPLACE ALL LOOPS NOT MEETING SPECIFICATIONS.

EXISITNG PERMANENT TRAFFIC CONTROL NOTES ITEM SPECIAL FOR CAPITAL IMPROVEMENT PROJECTS

E. ITEM SPECIAL- PARKING METER POSTS REMOVED OR POST CORES

THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT OF PUBLIC SERVICE REGARDING PARKING METERS TO BE REMOVED, METERS TO BE RELOCATED, AND NEW METER INSTALLATION.

THE DEPARTMENT OF PUBLIC SERVICE WILL REMOVE ANY METER HEADS SPECIFIED TO BE REMOVED, ROTATE METER HEADS SPECIFIED TO BE ROTATED; AND INSTALL METER HEADS AND POSTS FOR ANY NEW METERS SPECIFIED IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THE POST AFTER THE METER HEAD IS REMOVED BY DPS. IF A NEW METER IS PLANNED IN A PAVED OR CONCRETE AREA, THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT OF PUBLIC SERVICE TO HAVE POST LOCATIONS PREMARKED AND SHALL CORE HOLE FOR POST INSTALLATION.

THE DEPARTMENT OF PUBLIC SERVICE WILL REMOVE OR COVER ALL PARKING METER HEADS PUT OUT OF SERVICE BY THIS PROJECT. THERE IS A \$60.00 DOLLAR CHARGE FOR THE REMOVAL AND REINSTALLATION OF EACH METER. IN ADDITION. A DAILY METER FEE WILL BE CHARGED FOR ALL ENFORCEMENT HOURS FOR EACH METER TAKEN OUT OF SERVICE. THESE CHARGES WILL BE COLLECTED FROM THE CONTRACTOR IN ADVANCE WITH THE ISSUANCE OF THE STREET OCCUPANCY/EXCAVATION PERMIT FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. (645-7497) THE MANAGER OF PARKING SERVICES SUPPORT (645-7890) SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT, SUN, & HOLIDAYS) PRIOR TO BEGINNING WORK. CALL 645-8376 IF UNABLE TO MAKE CONTACT THROUGH THE PRIOR PHONE NUMBER.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE FOLLOWING: ITEM SPECIAL - PARKING METER POST REMOVAL

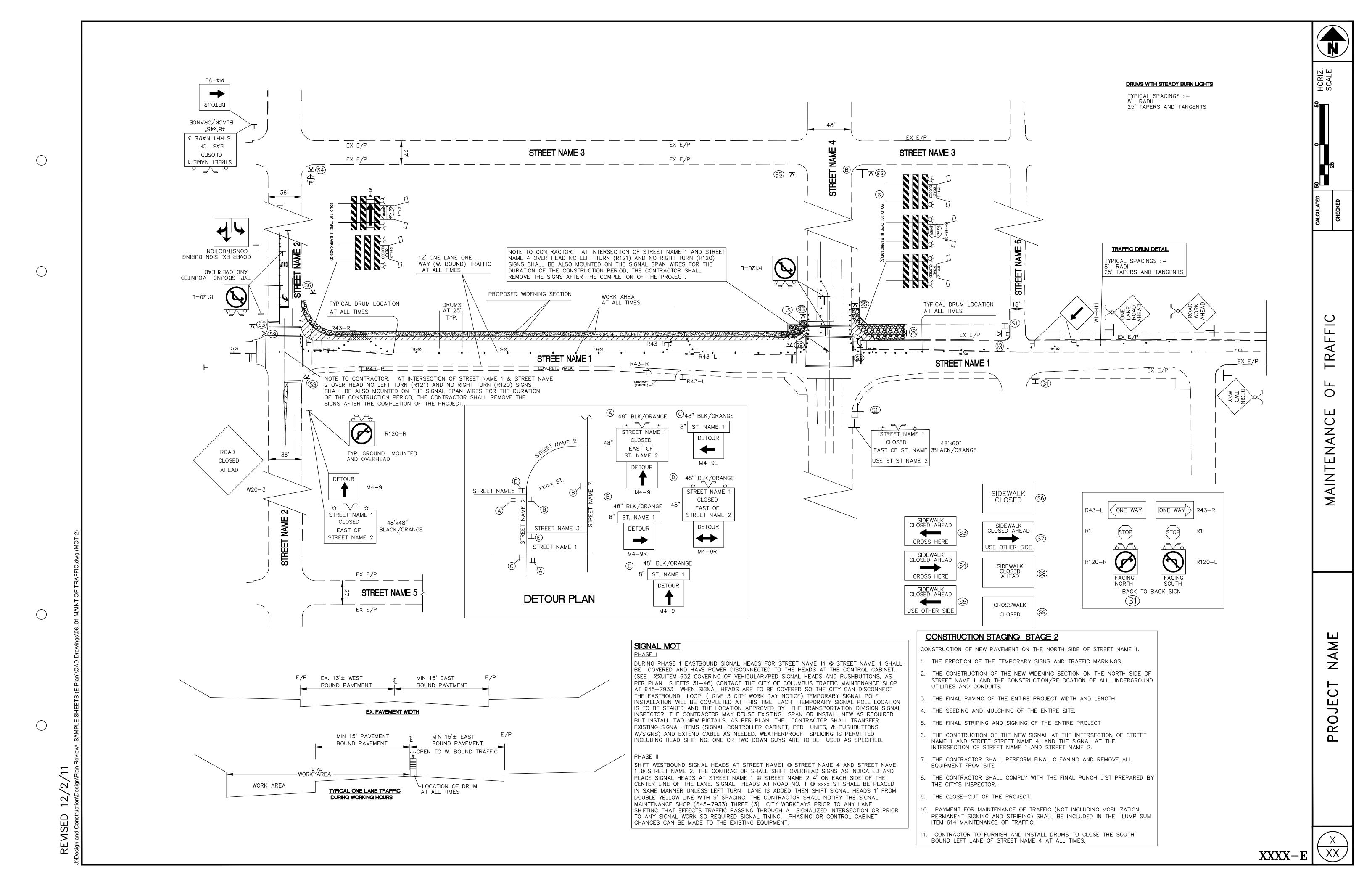
ITEM SPECIAL - PARKING METER POST CORE

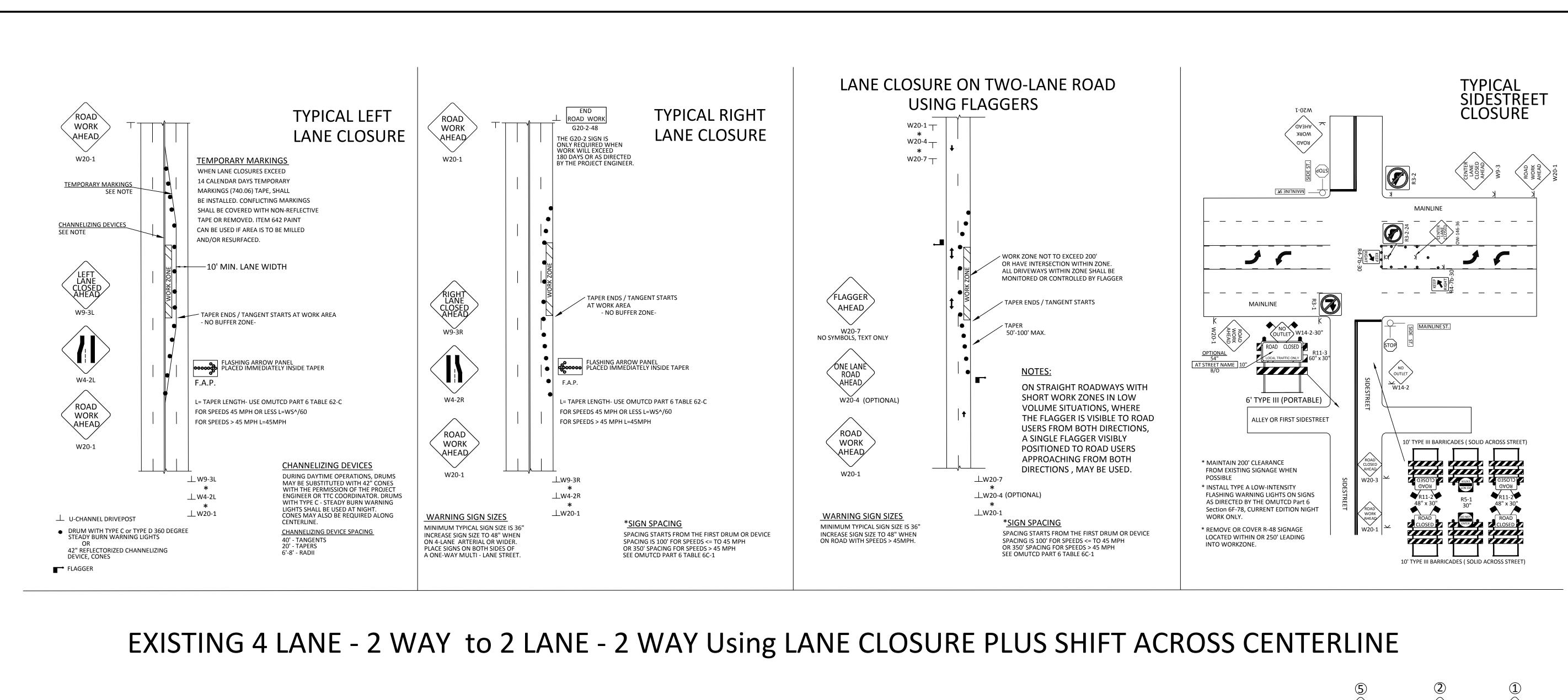
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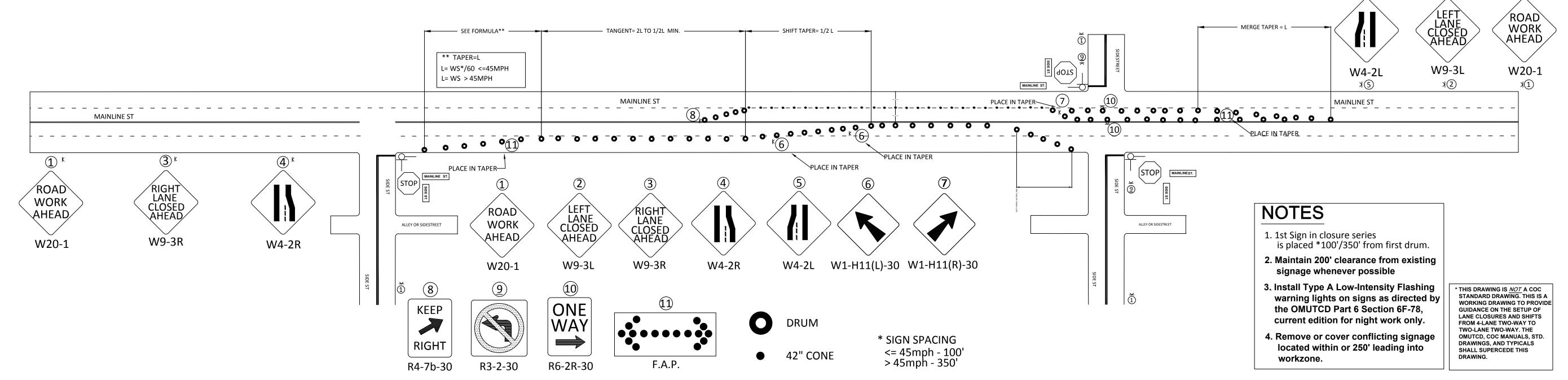
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	DECODIDEION		GRAND	17514					R	NUMBE	SHEET	;						
	DESCRIPTION	UNIT	GRAND TOTAL	66 71 ITEM	61	58	55	52	49	46	43	40	37	35	28	10	9	8
	ROADWAY																	
	CLEARING AND GRUBBING	LUMP	LUMP	201									. —					
	PIPE REMOVED	L.F.	1237	202		42	382	195	360		150	61	47					
	CATCH BASIN REMOVED	EACH	10	202		1	4	1	2	1	1							
	GUARDRAIL REMOVED	L.F.	609	202			227	382										
	CUT AND CAP EXISTING SANITARY SEWER	EACH	2	1 202			1											
	SANITARY MANHOLE REMOVED	EACH	1.0	202			1	0			1	4						
	REMOVAL MISC. ROCK	EACH	10	202				8					1 /					
	REMOVAL MISC: POST	<u>EACH</u>	16	202					250	4.0	271	2	14					
	FENCE REMOVED	L.F. C.Y.	549 6030	203					259	19					0070			
	EMBANKMENT EVEN VATION - NOT INCLUDING - EMBANKMENT - CONSTRUCTION	C.Y.	14645	203											6030			
	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EACH		608			4		0		1		1		14645			
	CURB RAMP		20	608			4		8		4		4					
	DETECTABLE WARNING	EACH	28	000			6		8		6		0					
		M GAL.	20	616														*
	CALCIUM CHLORIDE	TONS	2	616														2 *
	TOPSOIL FURNISHED	C.Y.	500	653														00 *
	SPECIAL — MAILBOX SUPPORT	EACH	12	690													12 *	
 	TESTING OF NON-CONTAMINATED MATERIAL	EACH	2	SPECIAL												2 *		
	STOCKPILING OF NON-CONTAMINATED MATERIAL	C.Y.	10	SPECIAL												10 *		
	CONTAMINATED MATERIAL REMOVED AND DISPOSED OF	C.Y.	10	SPECIAL												10 *		
	CONTAININATED MATERIAL REMOVED AND DISTOSED OF																	
	SWPPP		005	207										0.0.5				
	FILTER FABRIC FENCE	L.F.	895	207										895				
	CATCH BASIN PROTECTION	EACH	/	207										7 -				
0	INLET PROTECTION	EACH	35	207										35				
	TEMPORARY FILTER FABRIC DITCH CHECK	EACH	1.00	207										1				
— <u> </u>	CONSTRUCTION DITCH PROTECTION	S.Y.	488	207										488	40007			
	SEEDING AND MULCHING	S.Y.	16027	659											16027			1.0
	WATER DRAINAGE	MGAL	10	659														10
	6" PIPE WITH TYPE 1 BEDDING	L.F.	188	901					133		55							
		L.F.	1327	901		112	1.00	132	151	111	86	43	524					
	12" PIPE, WITH TYPE I BEDDING	L.F.	46	901			168	132	101		00	40	46					
	15" PIPE, WITH TYPE I BEDDING	L.F.	1470	901		397	170					400	201					
	18" PIPE, WITH TYPE I BEDDING	L.F.	1652	901		397	472	E O	562	1.4.0	500		201					
	24" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL		288	901		1	1	50	302	440	300	100						
	30" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	L.F. EACH	200	1 604			1	288										
	SANITARY MANHOLE	EACH	2	604		\cap												
	SANITARY MANHOLE ADJUSTED TO GRADE	EACH EACH	2	604	1						1							
	MANHOLE ADJUSTED TO GRADE	EACH	2	604	l l	1							1					
	HEADWALL FOR 12" PIPE			2 604	7								I					
	CATCH BASIN ADJUSTED TO GRADE	EACH	4	604		1		4	7	4			0					
	STANDARD CATCH BASIN	EACH	8					1	5	1								
	MANHOLE TYPE C	EACH	25	604		3	5	4	3	2	2	2	4					
	CURB AND GUTTER INLET	EACH	35	604		4	6	5	4	4	4	2	6					
	8" PIPE WITH TYPE 1 BEDDING	L.F.	101	40 901			61											
	WATER WORK		I I															
	VALVE BOX ADJUSTED TO GRADE	EACH	17	807	1	1	3		2	2		1	2			5 *		
	WATER SERVICE TAP ADJUSTED TO GRADE	EACH	7	807					2							5 *		
	RELOCATE 6" WATER SERVICE LINE	EACH	1	808							1							
	RELOCATE 8" WATER SERVICE TAP	EACH	2	808							2							
	RELOCATE 12" WATER LINE	L.F.	18	808						18								
	2" WATER SERVICE TAP RELOCATED		1	808					1	_								
	FIRE HYDRANT ADJUSTED TO GRADE	EACH	1	809								1						
[EACH	6	810	1		7	1	1				1					
	6" HYDRANT EXTENSION	1 / 1 / 1 / 1			. 1			1			1	1				1		

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REVISED 10/24/14

STA. 49+14 (LT.) TO STA. 22+46 STREET NAME 1 (LT.)

STA. 17+10 (RT.) TO STA. 50+88 STREET NAME 2 (RT.)

STA. 20+97 (RT.) TO STA. 53+35 STREET NAME 2 (LT.)

= 266.00 L.F.

= 330.00 L.F.

= 360.00 L.F.

= 1381.00 L.F.

TOTAL

XXXX-E



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ALCULA

- 1. Stone Size Use 2 inch stone, or reclaimed or recycled concrete equivalent.
- 2. Length As required.
- 3. Thickness Not less than six (6) inches.
- 4. Width Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
- 5. Filter Cloth will be placed over the entire area prior to placing of stone.
- 6. Surface Water All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- 7. Maintenance The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right—of—way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights—of—way must be removed immediately.
- 8. Washing Wheels shall be cleaned to remove sediment prior to entrance onto public right-of-ways. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- 9. Periodic inspection and needed maintenance shall be provided after each rain.

Construction Sequence

- Install required sediment fence and inlet protection on existing inlets as shown on Phase 1 Plan
- Install utilities and storm sewers. Provide inlet protection.
- Construct proposed street and utilities. Stabilize the disturbed areas per temporary and permanent
- seeding requirements. Remove storm sewer inlet protection.

Note A: The Contractor shall be responsible for maintaining on-site drainage at all times during construction. No separate payment shall be made for maintaining drainage.

	EROSION AND SEDIMENT CONTROL QUANTITIES														
ITEM		TOTA	L QUAN	TITY	LINUT										
	27	28	29	TOTAL	UNIT										
207	•	225	3350	3575	LIN. FT.	PERIMETER FILTER FABRIC FENCE									
207	ı	1	-	8	EACH	CURB INLET PROTECTION									
207	3	23	-	76	EACH	CATCH BASIN PROTECTION									
207	-	15	4	36	EACH	FILTER FABRIC CATCH BASIN PROTECTION									
207	7	2	2	11	EACH	ROCK CHECK DAM									
207	•		1	1	EACH	STABILIZED CONSTRUCTION ENTRANCE									
207															

NOTE TO CONSULTANTS:

INCLUDE ALL ESC/SWP3 PAY ITEMS TO THE QUANTITY TABLE, SUCH AS, BUT NOT LIMITED TO, SITE STABILIZATION (SEED, SOD, GEOTEXTILES, STRAW, OR COMPOST BLANKETS, STRAW WATTLES, COMPOST FILTER SOCKS); TEMPORARY SEDIMENT RISERS AND SKIMMERS

LEGEND

Catch Basin Protection

Curb Inlet Protection

Filter Fabric Fence

Structure Number

Perimeter Filter Fabric Fence

Construction Entrance

Concrete Washout

This SWP3 plan must be posted on—site. A copy of the SWP3 plan and the approved OEPA storm water permit (with site specific NOI number) must be kept on—site at all times.

Direct discharge of sediment laden water to the city's sewer system or a receiving stream is a violation of Ohio EPA and City of Columbus regulations; the contractor will be held liable for the violation and subsequent fines.

PAVEMENT CUTTING. SAWING AND EXCAVATION OPERATIONS NOTE:

Persuant to Phase II regulations of the NPDES amendment to the Clean Water Act of the United States of America, all public agencies and private contractors performing pavement—cutting operations on City of Columbus streets and roadways shall protect our environment from the dimunitive discharges created by their pavement cutting operations.

This requirement includes but is not limited to wet or dry saw-cutting, jack hammering, excavation equipment use, etc. The public agency and/or private contractor work crews shall recover and dispose of particles, polluted waters, or other such small discharges resulting from their pavement cutting operations and protect all storm sewer inlets from receiving runoff of said diminutive discharges. The agency or contractor responsible for each pavement cutting activity shall be solely liable for Notice of Violations (NOV/s) and fines issued by city of Columbus and/or State of Ohio authorities.

Equipment, materials and methods shall be provided by the responsible public agency and/or private contractor to work crews performing the pavement cutting activity and made available to work crews for use in cleaning up the small discharges resulting from such cutting activities and preventing runoff. Additionally, work crews shall be trained to exercise and employ equipment, materials, and environmental protective measures, to prevent discharges from entering the City of Columbus storm sewer systems and watercourses. All pay and work items with pavement cutting, sawing, or excavation shall abide by this note.

Moreover, if project plans, notes and /or drawings include a Stormwater Pollution Prevention Plan (SWP3) or a spill prevention/remediation plan; such plans shall be adhered to in addition to this note for all pavement cutting, sawing, or excavation operations on City of Columbus streets and roadways.

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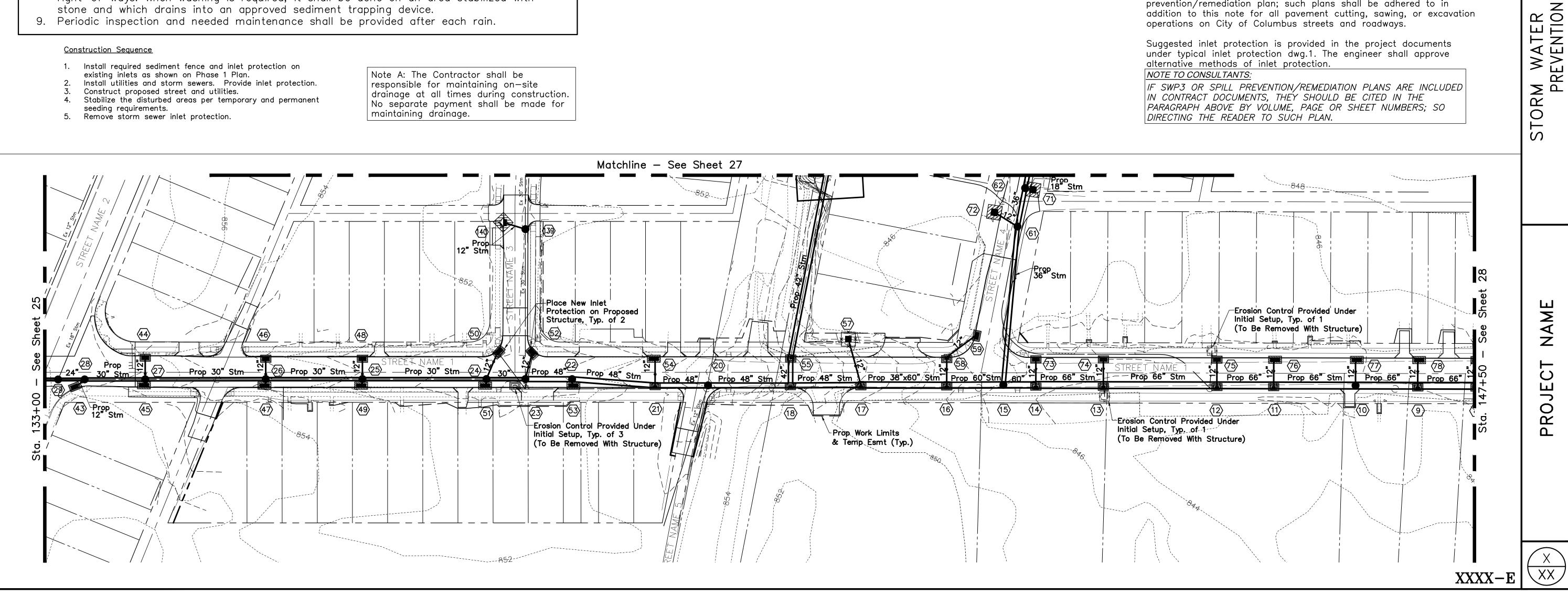
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Suggested inlet protection is provided in the project documents under typical inlet protection dwg.1. The engineer shall approve alternative methods of inlet protection.

NOTE TO CONSULTANTS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS: SO DIRECTING THE READER TO SUCH PLAN.



MAINTENANCE:

Aggregate check dams shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.

Close attention shall be paid to the repair of damaged check dams, end runs and undercutting beneath dams.

Necessary repairs to check dams shall be accomplished promptly.

Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.

Any sediment deposits remaining in place after the aggregate is no longer required shall be dressed to conform to the existing grade, prepared and seeded.

This sediment barrier utilizes standard strength or extra strength

to cause failure of the structure).

of a 6 inch overlap, and securely sealed.

The height of a silt fence shall not exceed 36 inches

(higher fences may impound volumes of water sufficient

The filter fabric shall be purchased in a continuous roll

joints. When joints are necessary, filter cloth shall be

Posts shall be spaced a maximum of 10 feet apart at

the barrier location and driven securely into the ground

of 32" long When extra strength fabric is used without

the wire support fence, post spacing shall not exceed 6

A trench shall be excavated approximately 4 inches wide

and 6 inches deep along the line of posts and upslope

When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope

side of the posts using heavy duty wire staples at least

extend into the trench a minimum of 2 inches and shall

1—inch long, tie wires or hog rings. The wire shall

not extend more than 36 inches above the original

The standard strength filter fabric shall be stapled or

extended into the trench. The fabric shall not extend

Filter fabric shall not be stapled to existing trees.

are used, the wire mesh support fence may be

upslope area has been permanently stabilized.

so that the ends are at a higher elevation.

Silt fences and filter barriers shall be inspected

7. When extra strength filter fabric and closer post spacing

eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of

The trench shall be backfilled and soil compacted over

the filter fabric. Silt fences shall be removed when they have served their useful purpose, but not before the

immediately after each rainfall and at least daily during

around the ends, each end shall be constructed upslope

prolonged rainfall. Any required repairs shall be made

10. To prevent water ponded by the silt fence from flowing

wired to the fence, and 8 inches of the fabric shall be

more than 36 inches above the original ground surface.

(minimum of 12 inches). Wood posts will be a minimum

spliced together only at a support post, with a minimum

cut to the length of the barrier to avoid the use of

MATERIAL PROPERTIES ARE:

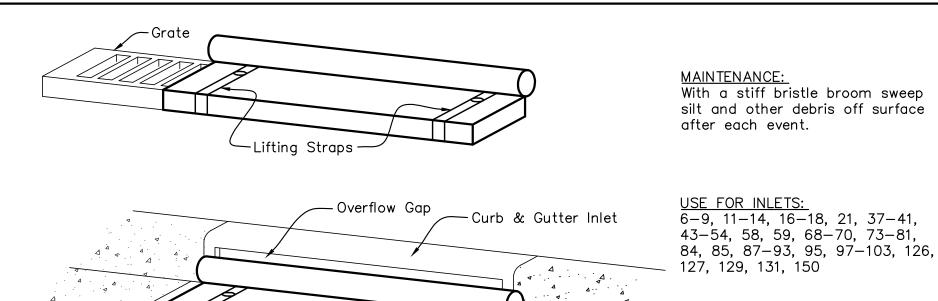
from the barrier.

ground surface.

Item No. 6 applying.

immediately.

CURB INLET PROTECTION WITH GRATE



SEDIMENT FENCE

SILT FENCE:

No. 57 or-Plastic No. 2 Stone Liner -Concrete Washout Area Straw Bales --Existing Ground

Straw Bales

CONCRETE WASHOUT AREA

10' (Min.)

Concrete trucks shall utilize areas to washout trucks. Accumulated concrete shall be removed from the site and disposed of properly.

As an alternative, contractor shall use a roll off box with liner.

No. 57 or

No. 2 Stone

Concrete-

Washout

CURB OPENING -WITHOUT GRATE -MANHOLE OVERFLOW-AGGREGATE-

> MAINTENANCE: Remove all accumulated sediment and unit after each storm event.

USE FOR INLETS:

CURB INLET PROTECTION WITHOUT GRATE

POUCH CURB FILTER

debris from the surface and vicinity of the

If using optional oil absorbents, remove and replace absorbents when they near saturation.

Existing (See sheet 24)

The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the O.D.N.R. Manual "Rainwater and Land Development". The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Storm Water Discharges Associated with Construction Activity.

CONTRACTOR RESPONSIBILITY: Details have been provided on the plans in an

effort to help the Contractor provide erosion and sedimentation control.

Prior to Construction Operations in a particular area, all sedimentation and erosion control features shall be in place. Field adjustments with respect to locations and dimensions may be made by the Engineer.

The Contractor shall place inlet and channel protection for erosion control immediately after construction of the inlets or channels which are not tributary to a sediment basin or dam

It may become necessary to remove portions of the barrier during construction to facilitate the grading operations in certain areas. However, the barrier shall be in place in the evening or during any inclement weather.

The limits of seeding and mulching are as shown within the plans. Those areas disturbed outside the seeding limits shall be seeded and mulched at the Contractor's expense.

"Temporary seeding" No area for which grading has been completed or where a denuded area will remain idle for more than 21 days shall be left unseeded for longer than 7 days. If permanent seed is not applied at this time, temporary seeding shall be done at the following rates:

March 1 to August 15

2 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 25 lbs./1,000 Sq.Ft. Mulch: (Straw or Hay) 2 tons/acre

August 15 to November 1

Seed: Annual Rye 2 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 25 lbs./1,000 Sq.Ft. Mulch: (Straw or Hay) 2 tons/acre

November 1 to March 1 Mulch (ONLY):(Straw or Hay) 2 tons/acre

"Permanent seeding" shall be done between March 15 and September 15. If seeding is done between September 15 and March 15, it shall be classified as "Temporary Seeding." Permanent seed shall be 40% Kentucky Bluegrass, 40% Creeping Red Fescue, 20% Annual Ryegrass. Permanent seeding shall consist of fertilizing, watering and seeding rates indicated under Item 659. Seeding shall be applied within two (2) days after final grading or following seed bed preparation.

Rates of application of Item 659: 4 lbs./1,000 Sq.Ft. Fertilizer: (12:12:12) 20 lbs./1,000 Sq.Ft. 2 tons/acre (3 tons/acre) Mulch: Straw (Hay)

MAINTENANCE: It is the Contractor's responsibility to maintain the sediment control features used on this project. The site shall be inspected periodically and within 24 hours of a significant rainfall. Records of these inspections shall be kept and made available to jurisdictional agencies if requested. Any sediment or debris which has reduced the efficiency of a structure shall be removed immediately. Should a structure or feature become damaged, the Contractor shall repair or replace at no additional cost to the Owner. Not all details shown on this sheet may be required for this project. Reference Sediment Control Plan.

The cost for temporary channels, sediment dams, sediment basins, and other appurtenant earthmoving operations shall be included in the price bid for erosion and sedimentation control quantities.

Not all details shown on this sheet may be required for this project.

The Contractor shall be responsible to ensure that off—site tracking of sediments by vehicles and equipment is minimized. All such off—site sediment shall be cleaned up daily. Construction of stabilized construction entrances are a part of that responsibility.

Street Cleaning (on an as-needed basis) ir required through the duration of this construction project. This includes sweeping, power cleaning and (if necessary) manual removal of dirt or mud in the street gutters.

The Contractor shall be responsible to ensure that no solid or liquid waste is discharged into stormwater runoff. Sediment—laden water shall be filtered through the use of sediment filtering fences or sedimentation basins prior to discharge to surface waters. Concrete trucks will not be allowed to wash out or discharge surplus concrete into or alongside rivers, streams, and creeks or into natural or man—made channels or swales leading thereto. Concrete truck wash water and surplus concrete shall be confined to areas approved by the Engineer; after solidifying, these waste materials shall be removed from the site.

ALL EROSION & SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DIRECTION OF THE CITY OF COLUMBUS AND/OR OHIO

CATCH BASIN PROTECTION With a stiff bristle broom or square point shovel remove silt & other debris off surface after each event. **USE FOR CATCH BASINS:**

71, 72, 133, 134, 136, 138, 140

OEPA NOI #:

PLAN DESIGNER: ENTITY: ADDRESS: CONTACT NAME: PHONE:

ENTITY: OWNER: ADDRESS:

CONTACT NAME: PHONE: EMAIL:

EMAIL:

PROJECT The project consists of approximately 2,100 feet of DESCRIPTION:

roadway reconstruction, 700 feet of sidewalk / shared use path addition (beyond roadway reconstruction area), 4,500 feet of storm sewer replacement / installation (beyond roadway reconstruction and sidewalk / path installation areas), 1,100 feet of ditch regrading, 1,100 feet of stream restoration and the establishment of a regional detention basin. The roadway reconstruction and sidewalk / path installation areas include replacements or additions of storm sewers, waterlines, traffic signals, and street lighting.

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EXISTING SITE The entire project Corridor discharges directly to the CONDITIONS: Linden Ditch (Argyle Ditch). Storm water reaches Linden

Ditch via existing storm sewer systems. SITE DISTURBANCE: Project earth disturbance area is: XX acres

RECEIVING STREAM: Alum Creek

EROSION AND

SEDIMENT

MEASURES:

ADJACENT AREAS: The project corridor is located within a residential area and commercial area.

CRITICAL AREAS: Work will occur in existing stream channels in the area of the proposed detention basin and box culvert at

Parkwood Avenue.

Erosion and sediment will be controlled by the use of inlet protection at storm sewer inlets and the use of construction techniques to minimize the disturbance along the existing channel. To the extent practical, "clean water" from the upstream watershed will be diverted around the in-stream construction activities and sediment—laden water from the construction area will be filtered prior to being released to the downstream

channel.

PERMANENT All disturbed areas shall be seeded and mulched. STABILIZATION: Geotextile reinforcement of earthen embankment is specified when in vicinity of channel banks. Hardened,

non-erodible materials area also specified for channel bank reinforcement.

MAINTENANCE: All erosion control devices are to be inspected by the construction superintendent daily and after rainfalls.

Any damaged facilities are to be replaced / repaired immediately as may be necessary.

The Contractor shall provide a schedule of operations to the City. Sedimentation and erosion control features

shall be placed and maintained in accordance with this schedule.

SITE CONTACT: ENTITY: PROJECT ENGINEER::

PHONE: EMAIL:

synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected.

Lifting Straps

TEST METHOD <u>VALUES</u> FABRIC PROPERTIES 90 lb. Minimum ASTM 1682 Grab Tensile Strength Mullen Burst Strength 190 psi Minimum ASTM 3786

0.3 gal./min./f^2 Max Slurry Flow Rate

U.S. Std. Sieve CW-02215 Equivalent Opening Size ASTM-G-26 Ultraviolet Radiation Stability 90% Minimum

Note: The use of straw wattles has proven to be a versatile and effective ESC BMP, especially in residential settings. Straw wattles may be substituted for silt fence in linear installations. See detail, Sheet XX. The use of compost filter socks and compost blankets are gaining wider acceptance nationwide. they are now approved for use on all Columbus SWP3 plans

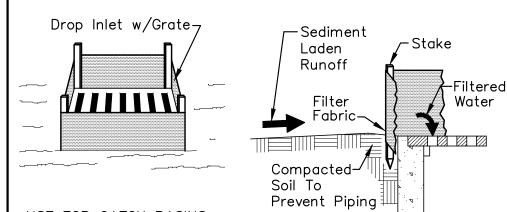
MAINTENANCE:

Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.

Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one—half the

Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

FILTER FABRIC CATCH BASIN PROTECTION

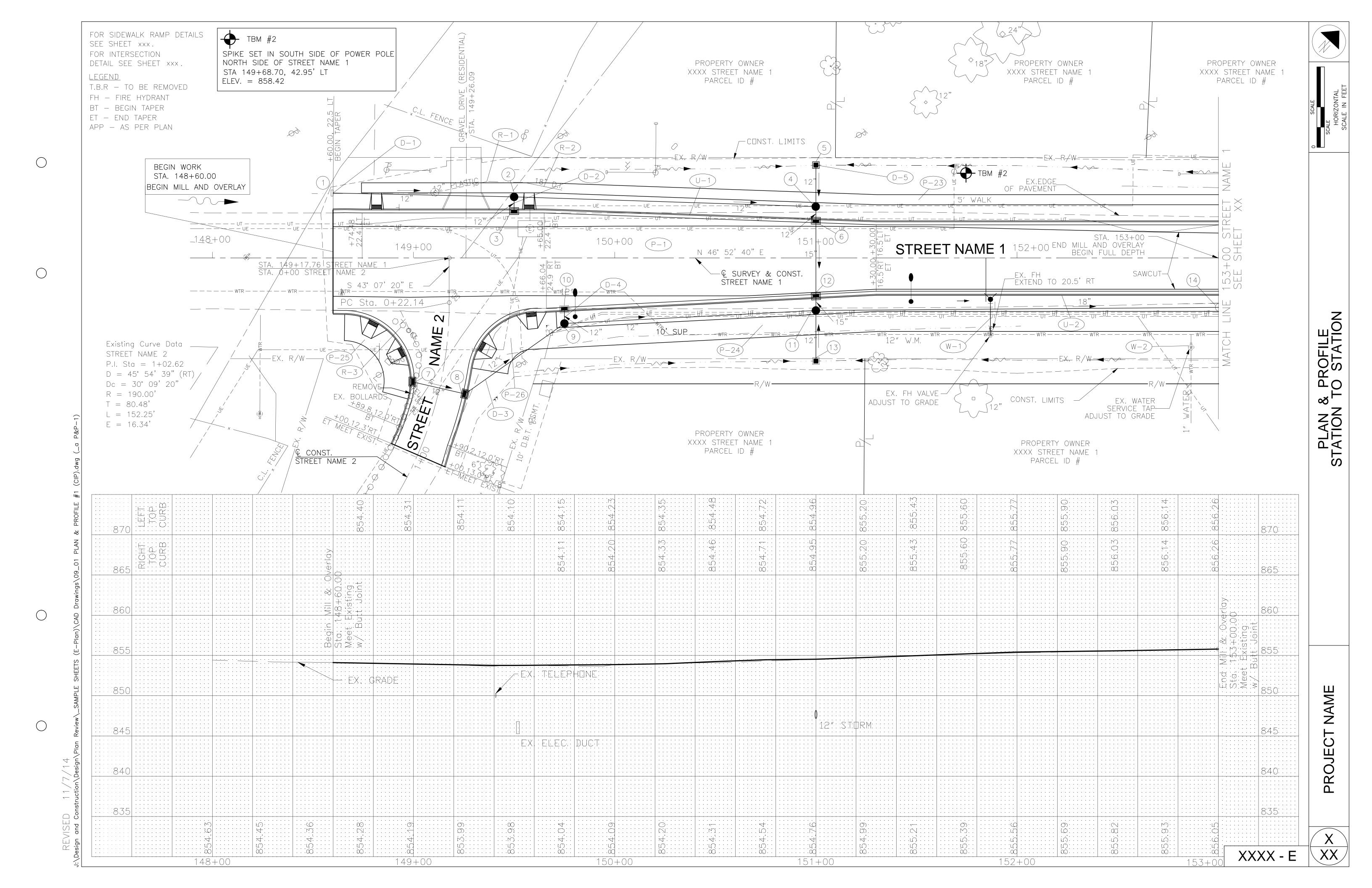


USE FOR CATCH BASINS: 57, 104, 105, 110-117, 119, 121-123, 145-148, Existing (See sheets 24 & 28)

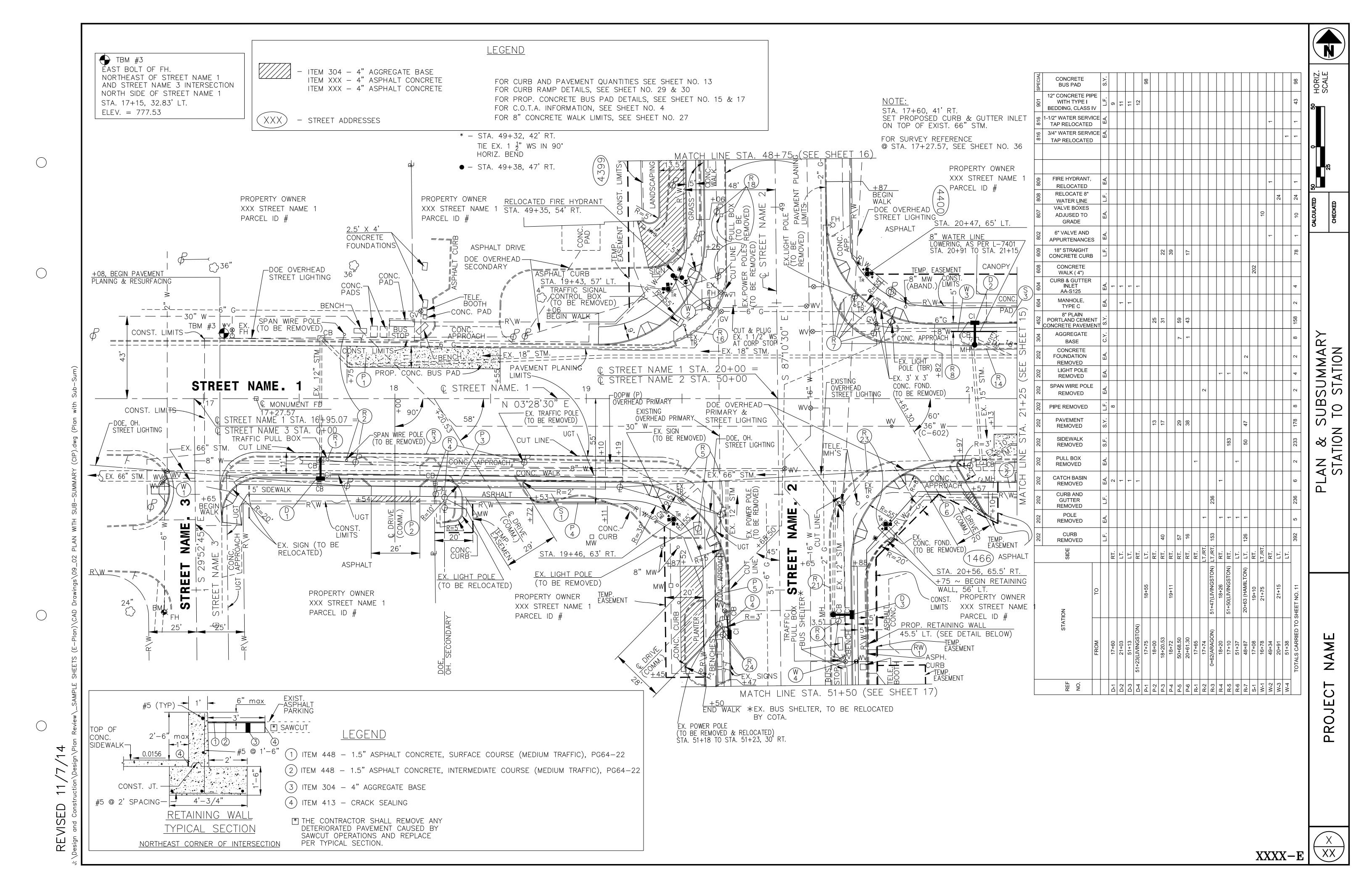
SPECIFIC APPLICATION: This method of inlet protection is applicable where the inlet drains a relatively flat area (slopes no greater than 5 percent) where sheet or overland flows (not exceeding 0.5 cfs) are typical. This method shall not apply to inlets receiving concentrated flows, such as in street and highway

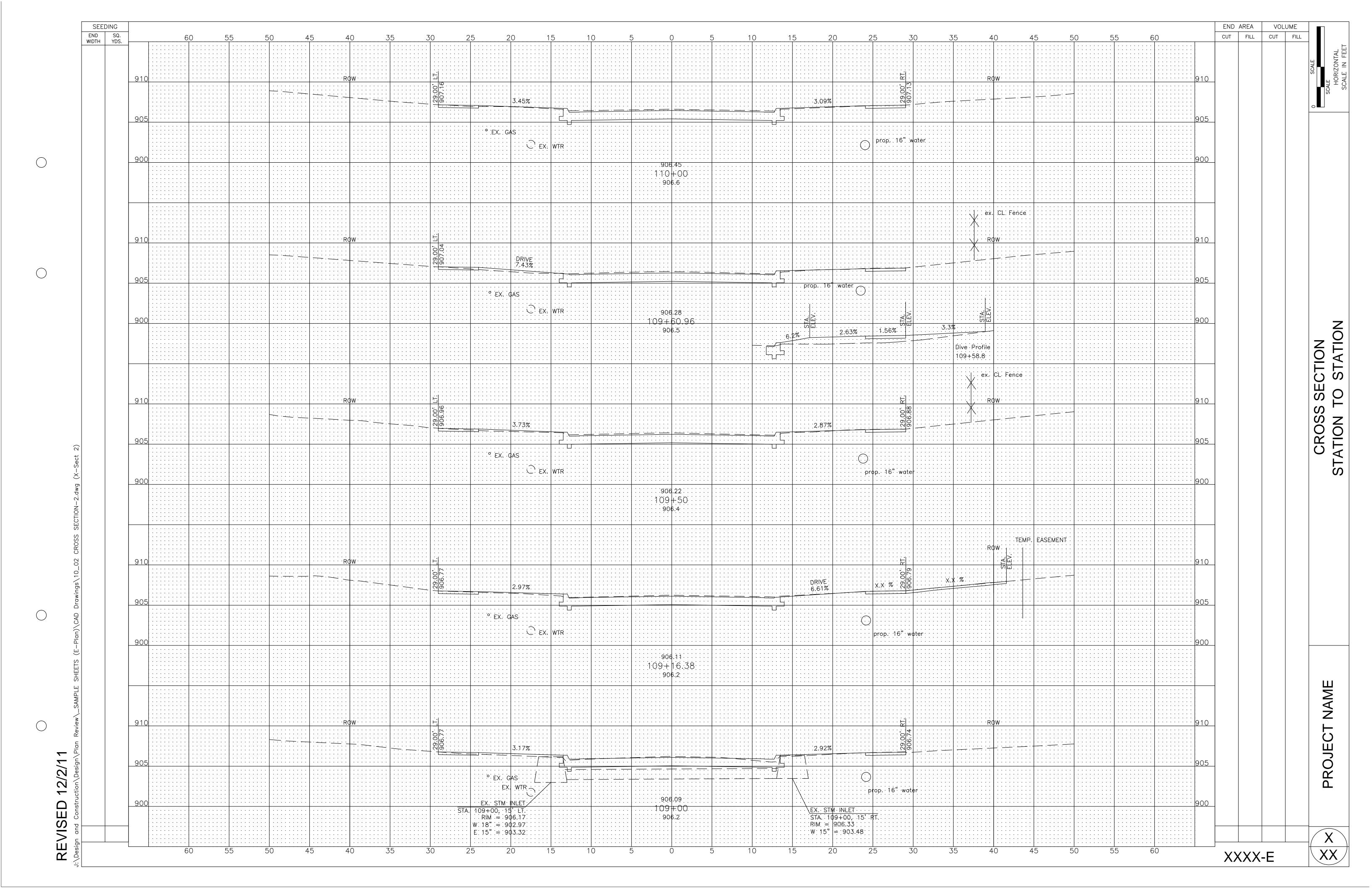
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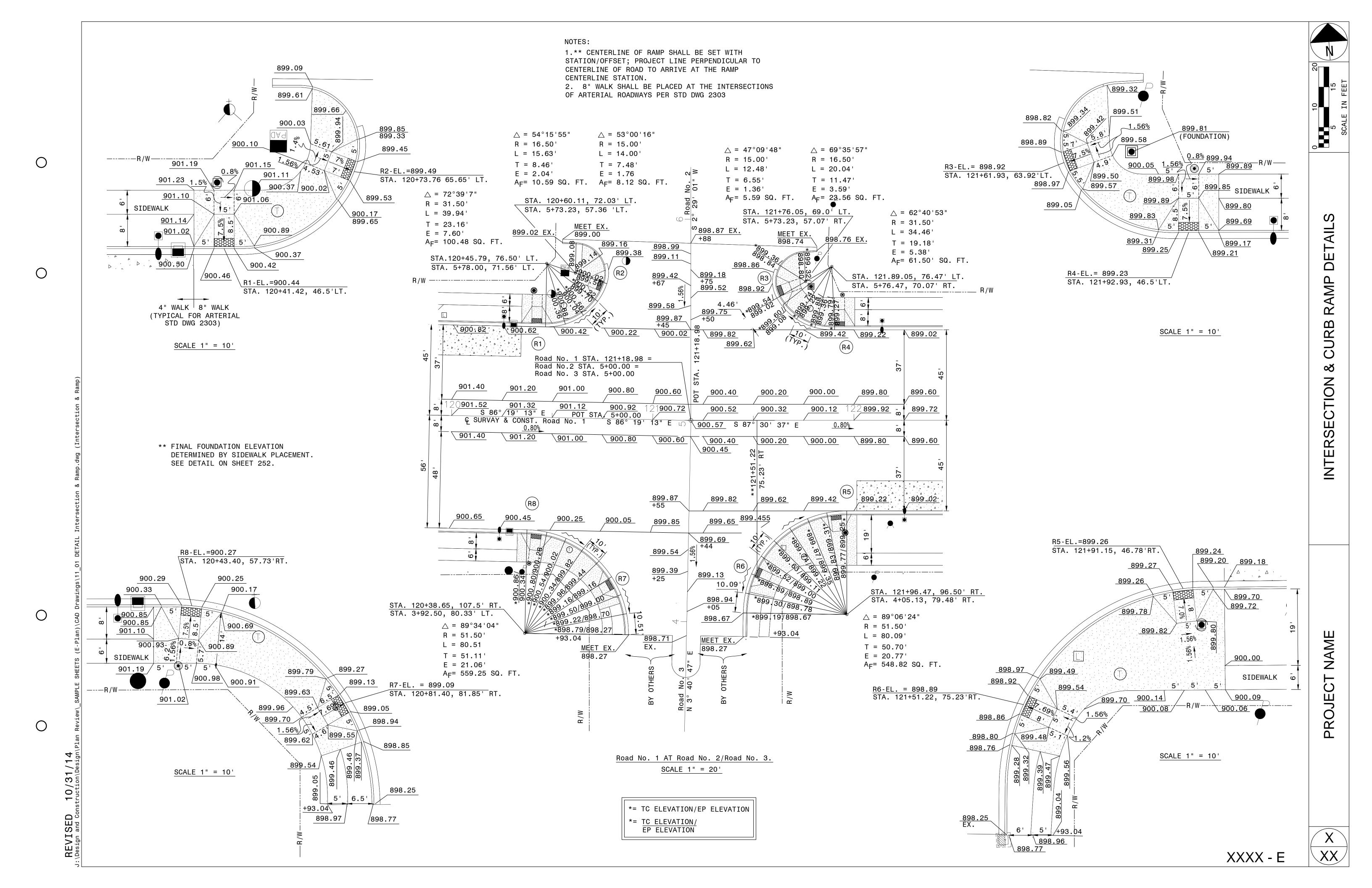


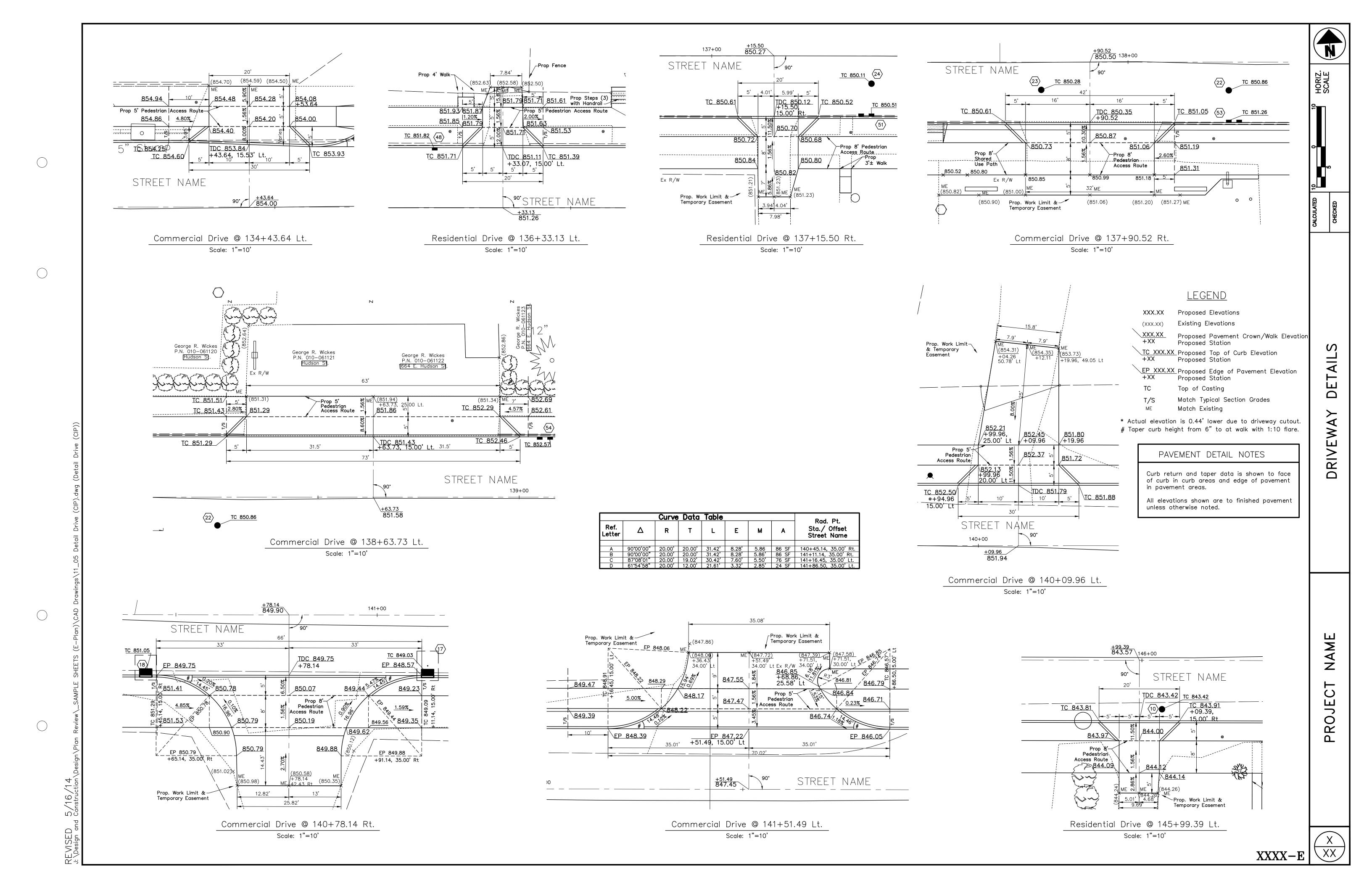


	REF SHI NO. N	EET O.	STA	ATION	SIDE	PIPE REMOVED	REMOVAL MISC. POST	12" PIPE W/ TYPE 1 BEDDING	15" PIPE W/ TYPE1 BEDDING	18" PIPE W/ TYPE1 BEDDING	HEADWALL FOR 99 12" PIPE	CATCH BASIN	MANHOLE TYPE C 99	CURB AND GUTTER 99 INLET	CURB RAMP	WARNINGS 809	VALVE BOX ADJUSTED TO GRADE	6" HYDRANT EXTENSION		Z NO.	SCALE IN FEET
			FROM	ТО		L.F.	EACH	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	EACH	ACH	EACH	EACH			
		36 36	148+60 149+50	151+00 149+50	LT LT			241 7			1		2	1							
	D-3 3 D-4 3	36 36	148+99 149+75	153+00 149+75	RT RT			215 7		201			2	2							
		86	151+00	151+00	LT/RT			54	46			2		2							
\bigcirc	W-1 3 W-2 3	36 36	151+87 152+87		RT RT												1	1			
	R-2 3	36 36	149+08 149+56 148+89	149+37 149+74 148+91	LT LT LT	29 18	14														
	0/1	36	148+81	148+95	RT LT										2	2					ARY
	3	36 36 36	148+82 149+33 149+57	149+58	RT LT										2	1 1					SUBSUMMA
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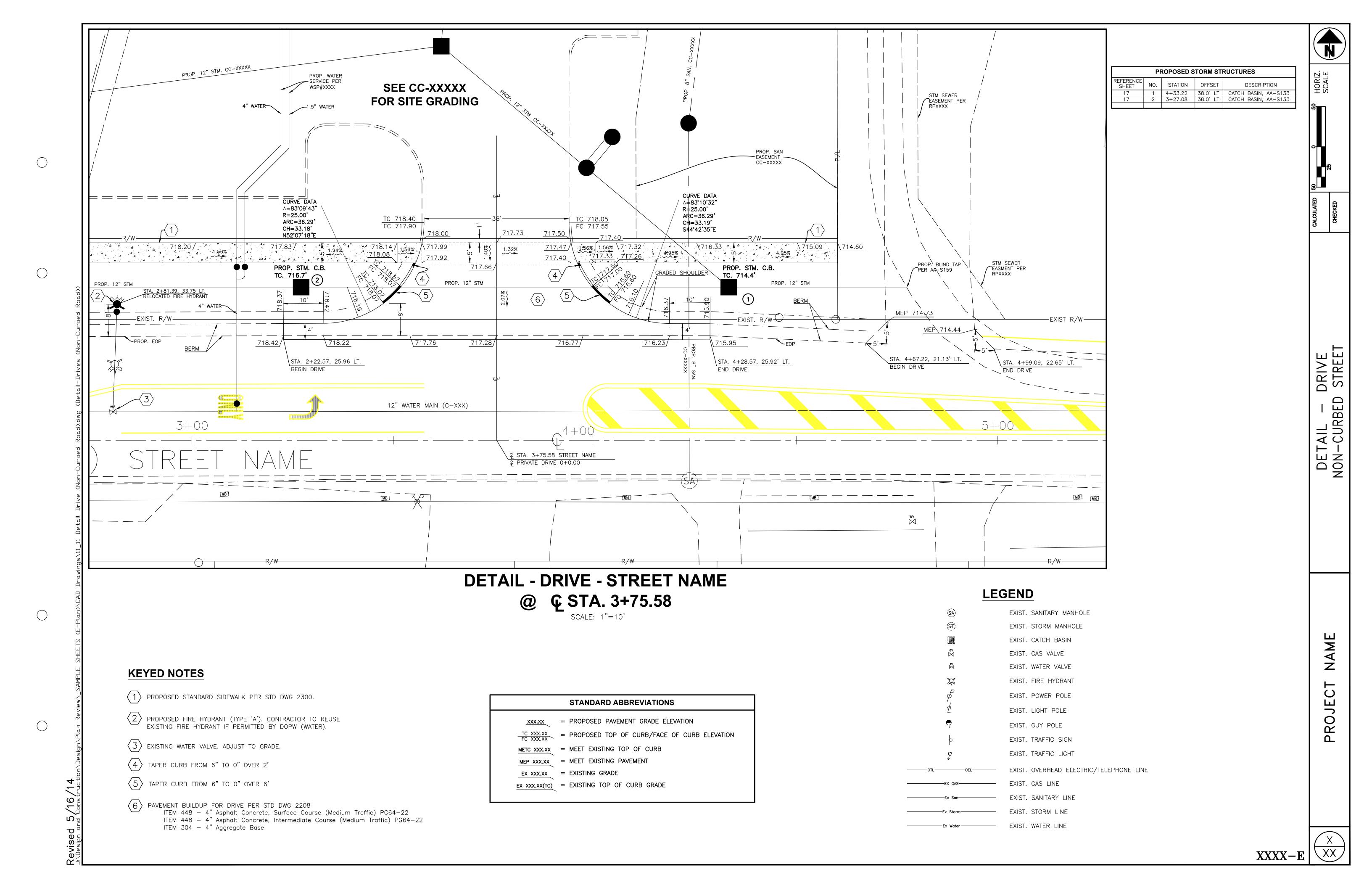


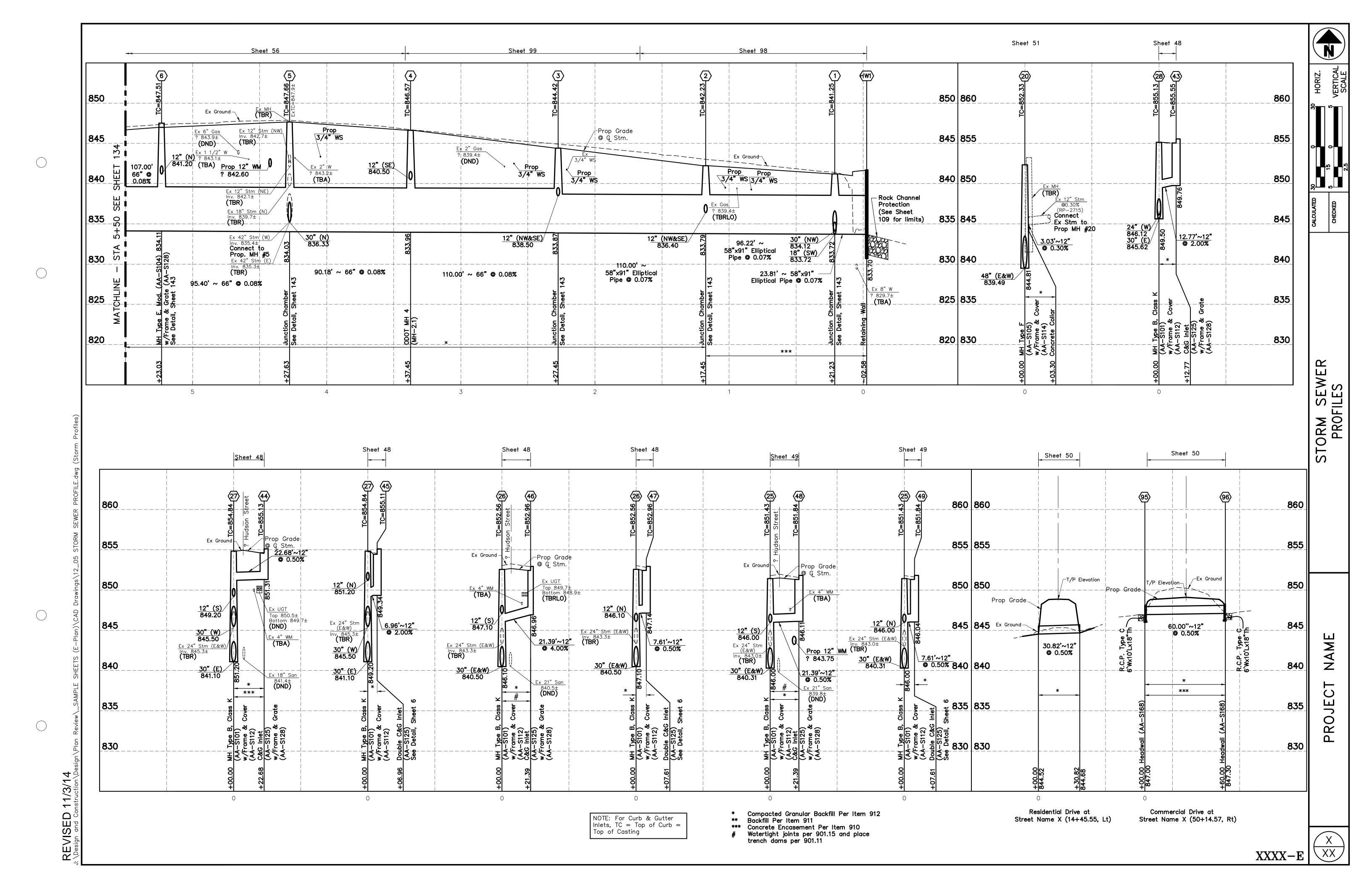
-DRIVE STREE

DETAIL-CURBED

ROJECT NAME

XX





		PROPOSED	TORIVI SEVVER	COORDINATE	DATA	AS BUILT	
PHASE	STRUCTURE	NORTHING	EASTING	ELEVATION	NORTHING	EASTING	ELEVATION
	HW1	765443.1428	1868084.5487	XXX.XX			
	1	765463.1414	1868119.1381	XXX.XX			
	2	765515.8380	1868140.5214	XXX.XX			
	3	765623.4468	1868144.0679	XXX.XX			+
	4	765641.4017	1868016.9000	XXX.XX			+
	5	765744.2256	1868022.9199	XXX.XX			+
	6	765854.9803	1868029.4042	XXX.XX			
4	7	765950.8717	1868035.0182	XXX.XX XXX.XX			
1				XXX.XX			
	9	766068.6700	1868041.9149	XXX.XX			
		766234.4419	1868051.6202				
	10	766227.4869	1868170.4167	XXX.XX			
	11	766296.3689	1868174.4495	XXX.XX			
	12	766387.2134	1868179.7681	XXX.XX			-
	13	766394.1684	1868060.9715	XXX.XX			
	14	766551.8983	1868070.2060	XXX.XX			
0	15	766645.0399	1868075.6591	XXX.XX			
2	16	766745.6008	1868080.9619	XXX.XX			
	17	766851.6598	1868083.0556	XXX.XX			
	18	765453.6270	1868144.5450	XXX.XX			
	19	765442.5894	1868173.5139	XXX.XX			
1	20	765387.2464	1868171.8527	XXX.XX			
	21	765622.4240	1868161.5380	XXX.XX			
	22	765620.6121	1868192.4850	XXX.XX			
	23	765846.5320	1868174.6587	XXX.XX			
	24	765844.7202	1868205.6057	XXX.XX			
	25	766214.9569	1868196.2285	XXX.XX			
	26	766213.1450	1868227.1755	XXX.XX			
	27	766294.8201	1868200.9042	XXX.XX			
-	28	766293.0083	1868231.8512	XXX.XX			
	29	766752.6450	1868833.2432	XXX.XX			
	30	766758.9864	1868724.9287	XXX.XX			
	31	766760.7982	1868693.9817	XXX.XX			
	32	766761.8650	1868675.7609	XXX.XX			
	33	766768.4254	1868563.7047	XXX.XX			
	34	766826.3468	1868566.7439	XXX.XX			
	35	766777.8152	1868403.3220	XXX.XX			
	36	766837.9665	1868402.4935	XXX.XX			
2	37	766943.0988	1868403.6609	XXX.XX			
	38	766723.1954	1868831.5190	XXX.XX			
	39	766692.2484	1868829.7072	XXX.XX			
	40	767113.2193	1868697.0844	XXX.XX			
	41	766732.9559	1868664.8045	XXX.XX			
	42	766702.0089	1868662.9927	XXX.XX			
	43	766732.5518	1868402.2517	XXX.XX			
	44	766702.8258	1868411.0473	XXX.XX			
	45	766845.1246	1868280.2281	XXX.XX			
	Ex 4	765278.0020	1867824.6270	XXX.XX			
	46	765276.6194	1867844.5792	XXX.XX			
	47	765325.3081	1867876.0976	XXX.XX			
1	EW1	765356.7696	1867896.4641	XXX.XX			
	Ex 2	765374.4739	1867690.9458	XXX.XX			
	48	765501.2345	1867710.4558	XXX.XX			
	HW2	765509.1319	1867762.5710	XXX.XX			
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STORM SEWER COORDINATE DATA

	11-27	S 86°38'58" E	26.50'	15"
	27-28	S 86°38'58" E	31.00'	12"
	Ex 3B-29	N 86°38'58" W	17.00'	36"
	29-30	N 86°38'58" W	108.50'	36"
	30-31	N 86°38'58" W	31.00'	36"
	31-32	N 86°38'58" W	18.25'	36"
	32-33	N 86°38'58" W	112.25'	36"
	33-34	N 03°00'13" E	58.00'	30"
	33-35	N 86°38'58" W	160.66'	30"
	35-36	N 00°47'21" W	60.16'	24"
2	36-37	N 00°38'10" E	105.14'	24"
	29-38	S 03°21'02" W	29.50'	12"
	38-39	S 03°21'02" W	31.00'	12"
	32-40	N 03°28'23" E	352.00'	15"
	32-41	S 20°45'23" W	30.92'	12"
	41-42	S 03°21'02" W	31.00'	12"
	35-43	S 01°21'16" W	45.28'	12"
	43-44	S 16°28'58" E	31.00'	12"
	36-45	N 86°38'58" W	122.47'	12"
	Ex 4-46	S 86°02'09" E	20.00'	24"
	46-47	N 32°55'01" E	58.00'	18"
1	47-EW1	N 32°55'01" E	37.48'	12"
	Ex 2-48	N 8°44'59" E	128.25'	18"
	48-HW2	N 81°22'59" E	52.71'	12"

STORM SEWER DATA

PHASE STRUCTURE DIRECTION DISTANCE SIZE

HW1-1

1-2

2-3

3-4

4-5

5-6

6-7

7-8

8-9

9-10

10-11

11-12

12-13

13-14

14-15

15-16

16-17

1-18

18-19

19-20

3-21

21-22

6-23

23-24

10-25

25-26

N 59°57'53" E

N 22°05'11" E

N 01°53'16" E

N 81°57'49" W

N 03°21'02" E

S 86°38'58" E

N 03°21'02" E

N 03°21'02" E

S 86°38'58" E

N 03°21'02" E

N 03°21'02" E

N 03°01'07" E

N 01°07'51" E

S 69°28'12" E

S 69°28'12" E

S 01°43'10" W

N 86°38'58" W

S 86°38'58" E

S 86°40'17" E

S 86°38'58" E

S 64°06'23" E

S 86°38'58" E

39.95'

56.87'

107.67'

128.43'

103.00'

110.94'

96.06'

118.00'

166.06'

119.00'

69.00'

91.00'

119.00'

158.00'

93.30'

100.70'

106.08'

27.13'

31.00'

55.37'

17.50'

31.00'

145.50'

31.00'

28.69'

31.00'

30"

30"

30"

30"

24"

24"

12"

12"

12"

^{*} Horizontal Reference Datum = NAD 83 (1986 Adj.) (Ohio South Zone)

REF ITEM NORTHING EASTING ELEVATION STATION 1 16"x12" Tapping Sleeve 133+39.09 133+39.00 2 12" Water Main Valve 3 12" 22.5' Bend (Horiz) 133+44.72 4 3/4" WS (Short) (ADDRESS) 134+30.00 * * 5 Grade Break Use Joint Defl (Vert) 134+70.00 135+00.00 6 Grade Break Use Joint Defl (Vert) 135+23.00 7 3/4" WS (Long) (ADDRESS) See Sheet 49 STREET NAME 1 2 3/4" WS (Short) (ADDRESS) 135+38.00 3 3/4" WS (Long) (ADDRESS) 135+57.00 135+70.00 4 12"x6" Anchor Tee 5 6" Fire Hydrant Valve 135+70.00 135+75.60 6 Fire Hydrant 7 3/4" WS (Long) (ADDRESS) 135+95.00 135+99.14 8 12" 22.5° Bend (Horiz) 9 1" WS (Short) (ADDRESS) 136+20.00 3/4" WS (Long) (ADDRESS) 136+28.00 10 1" WS (Short) (ADDRESS) 136+58.00 11 3/4" WS (Long) (ADDRESS) 136+68.00 12 3/4" WS (Short) (ADDRESS) 136+85.00 See Sheet 50 STREET NAME 1 137+34.00 1 3/4" WS (Long) (ADDRESS) 137+66.16 2 12"x8" Tee 3 12" 45° Bend (Vert) 137+71.35 137+75.00 4 12" 45° Bend (Vert) 137+85.38 5 12" 45° Bend (Vert) 6 12" 45° Bend (Vert) 137+90.00 3/4" WS (Long) (ADDRESS) 137+99.00 8 12" Water Main Valve w/ Cols. Std HD Valve Box 138+04.32 9 3/4" WS (Long) (ADDRESS) 138+21.00 10 3/4" WS (Short) (ADDRESS) 138+83.00 11 3/4" ARO w/ Ferrule Box 138+95.00 139+00.00 12 12" 22.5° Bend (Vert) 13 12" 22.5° Bend (Vert) 139+05.00 139+10.14 14 12" 22.5" Bend (Vert) 15 12" 22.5° Bend (Vert) 139+15.00 STREET NAME 1 See Sheet 51 1 3/4" WS (Short) (ADDRESS) 139+37.00 2 12"x6" Anchor Tee 139+88.00 3 6" Fire Hydrant Valve 139+88.00 4 Fire Hydrant 139+93.00 5 Horiz Bend Use Joint Defl 140+29.56 6 12" 45° Bend (Vert) 140+50.42 7 12" 45° Bend (Vert) 140+57.28 8 12" 45° Bend (Vert) 141+00.00 9 12" 45° Bend (Vert) 141+03.63 10 12" 45° Bend (Vert) 141+09.32 11 12" 45° Bend (Vert) 141+15.00 141+20.00 12 3/4" ARO w/ Ferrule Box See Sheet 52 STREET NAME 1 142+12.27 1 12" 11.25° Bend (Vert) 2 12"x8" Tee 142+17.55 3 2" WS (Long) (ADDRESS) 142+21.00 4 12" 11.25° Bend (vert) 142+46.46 5 12" 45° Bend (Vert) 142+61.30 6 12" 45° Bend (Vert) 142+65.00 7 12" Water Main Valve w/ Cols. Std HD Valve Box 142+74.09 See Sheet 55 STREET NAME 147+27.50 1 12" 22.5° Bend (Vert) 2 12" 22.5° Bend (Vert) 147+32.67 3 3/4" WS (Long) (ADDRESS) 147+73.00 4 3/4" WS (Short) (ADDRESS) 147+76.00 5 3/4" WS (Long) (ADDRESS) 147+87.00 6 12" 22.5° Bend (Vert) 147+98.73 7 12" 22.5" Bend (Vert) 148+02.50 8 12" 22.5" Bend (Vert) 148+07.50 148+12.50 9 12" 22.5" Bend (Vert)

6/25/14

REVISED ...

See Sheet 48

STREET NAME 1

AS-BUILT

*

See S	Sheet 98 STF	REET NAME	2 <i>A</i>	AS-BUILT	
REF	ITEM	STATION	NORTHING	EASTING	ELEVATION
1	3/4" WS (Short) (ADDRESS)	126+78.00			
2	12" 22.5° Bend (Vert)	126+78.32			
3	12" 22.5° Bend (Vert)	126+83.50			
4	12" 22.5° Bend (Vert)	126+88.50			
5	12" 22.5° Bend (Vert)	126+94.46			
6	3/4" WS (Short) (ADDRESS)	127+19.00			
See S	Sheet 56 STR	REET NAME	2		
1	Grade Break Use Joint Defl (Vert)	128+21.01			
2	3/4" WS (Long) (ADDRESS)	128+62.00			
3	12" Water Main Valve w/ Cols. Std HD Valve Box	128+68.00			
4	12" 11.25' Bend (Vert)	128+73.00			
5	12" 11.25° Bend (Vert)	128+78.53			
6	12" 11.25° Bend (Vert)	128+89.52			
7	12" 11.25° Bend (Vert)	128+94.80			
8	12" 11.25° Bend (Horiz)	129+04.88			
9	8" Water Main Valve w/ Cols. Std HD Valve Box	129+30.77			
10	12" 22.5° Bend (Vert)	129+75.00			
11	3/4" WS (Long) (ADDRESS)	129+80.00			
12	12" 22.5° Bend (Vert)	129+82.48			
	12" 22.5° Bend (Vert)	129+87.48			
14	12" 22.5° Bend (Vert)	129+95.00			
See S	Sheet 100 STF	REET NAME	3		
1	3/4" WS (Short) (ADDRESS)	30+50.00			
2	2" WS (Long) (ADDRESS)	30+68.00			
	8" Water Main Valve w/ Cols. Std HD Valve Box	30+90.00			
4	12" 45° Bend (Horiz)	31+00.00			
 5	12" 45° Bend (Horiz)	31+13.18			
	, ,				
See S	L Sheet 50 STR	REET NAME	4	<u> </u>	
1	8" Water Main Valve w/ Cols. Std HD Valve Box	0+23.50	<u> </u>	Ι	
2	8" 45° Bend (Horiz)	0+35.90			
3	8"x6" Reducer	0+38.73			
	6" 45° Bend (Horiz)	0+40.90			
—	O TO Delia (HOHZ)	0170.30			

Horizontal Reference Datum = NAD 83 (NSRS 2007) (Ohio South Zone)

LEGEND

ARO WS HD Air Release Outlet Water Service Heavy Duty Horizontal Vertical Horiz Deflection

* <u>NOTE</u>: PROVIDE COORDINATES AND ELEVATIONS OF WATER SERVICES AT THE CURB STOP.

DAT

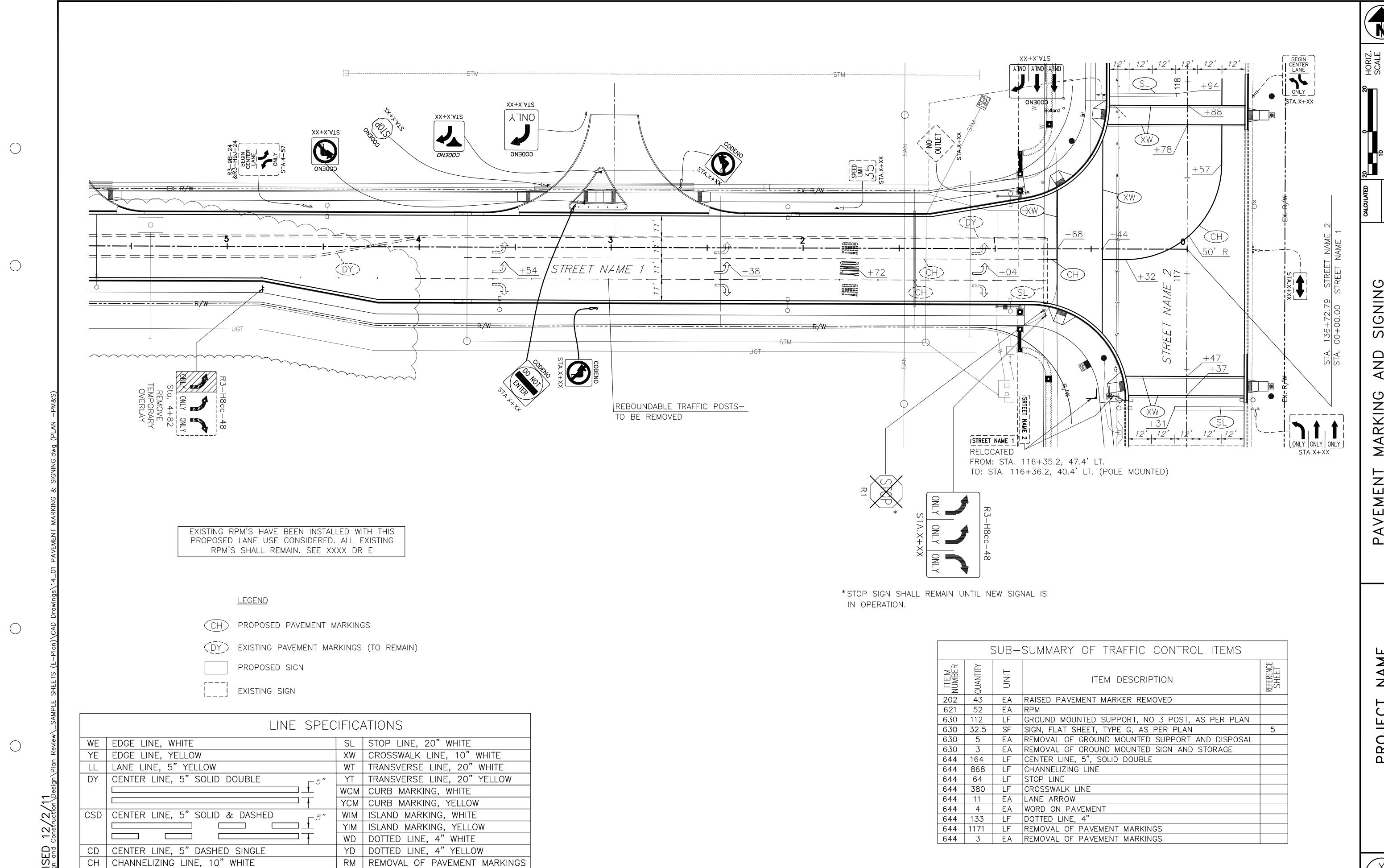
/ATERLINE COODINATE

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NAME

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SIGNING

AND

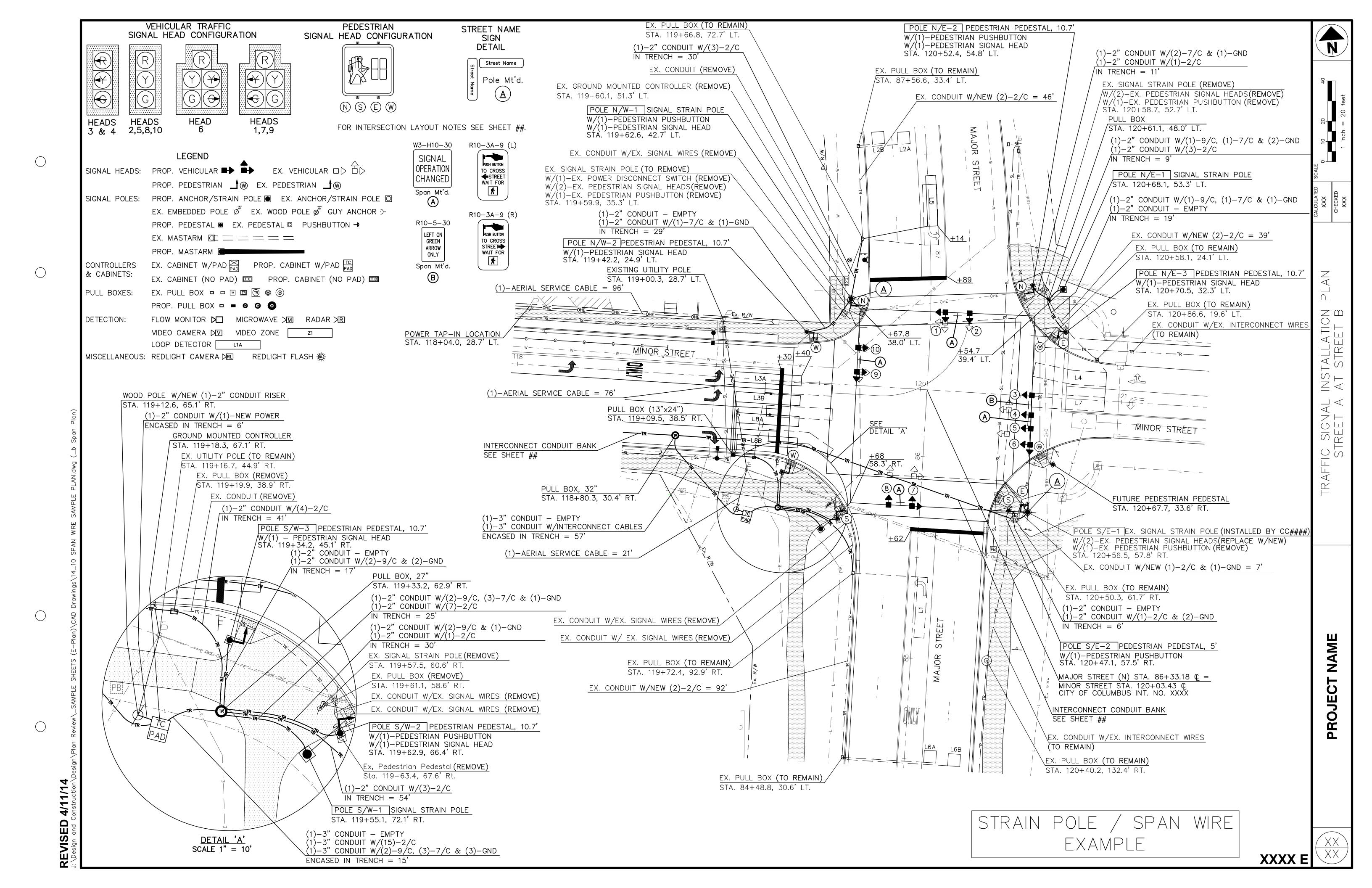
MARKING

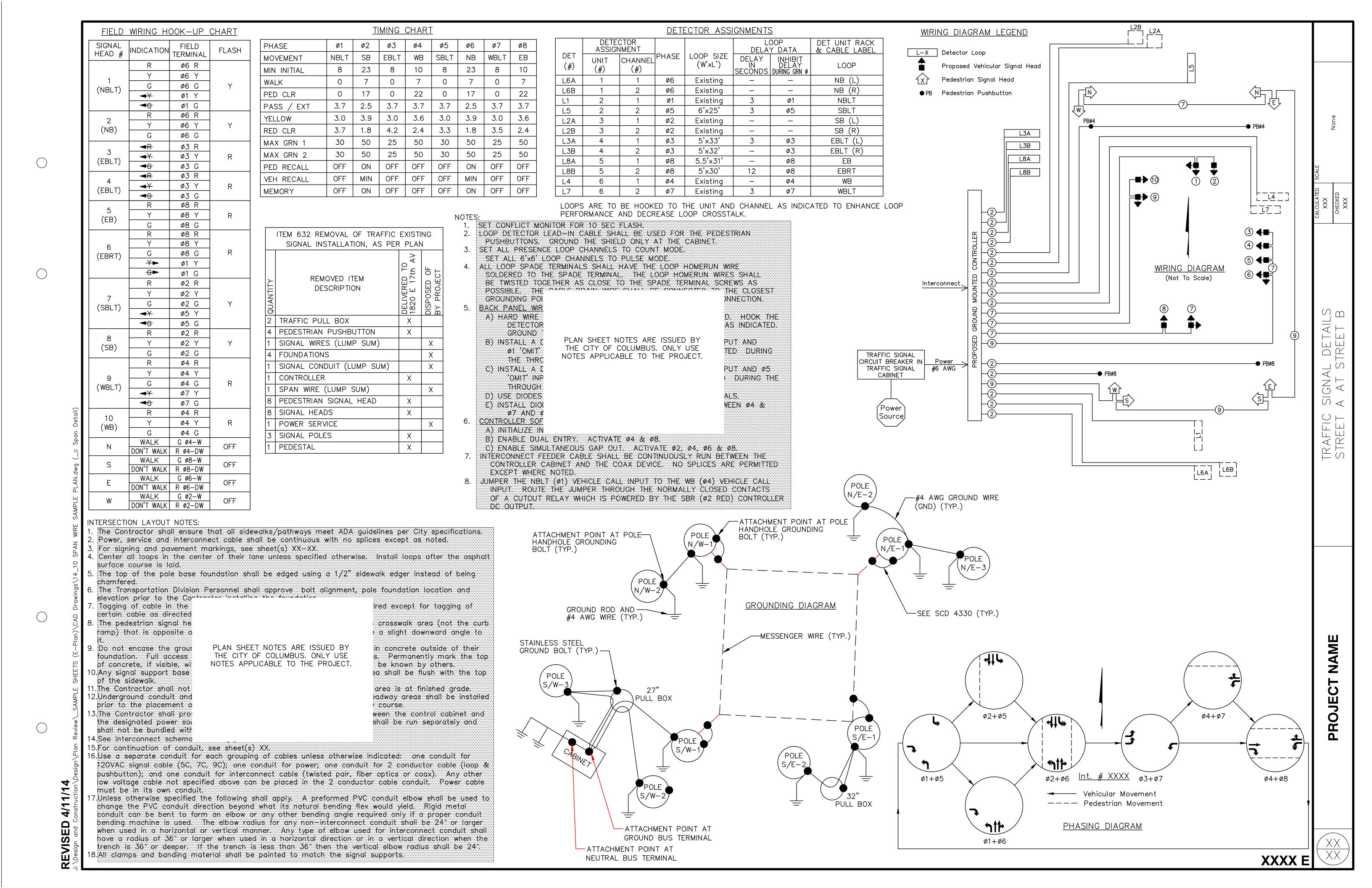
PAVE

NAME

PROJEC

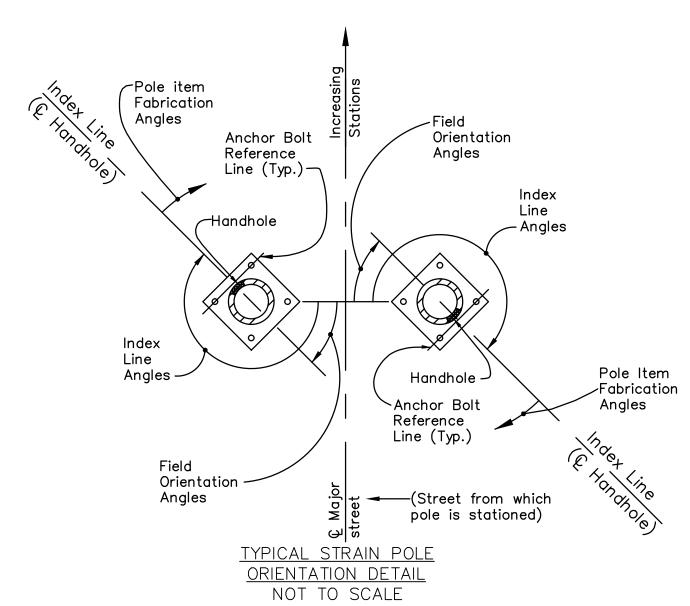
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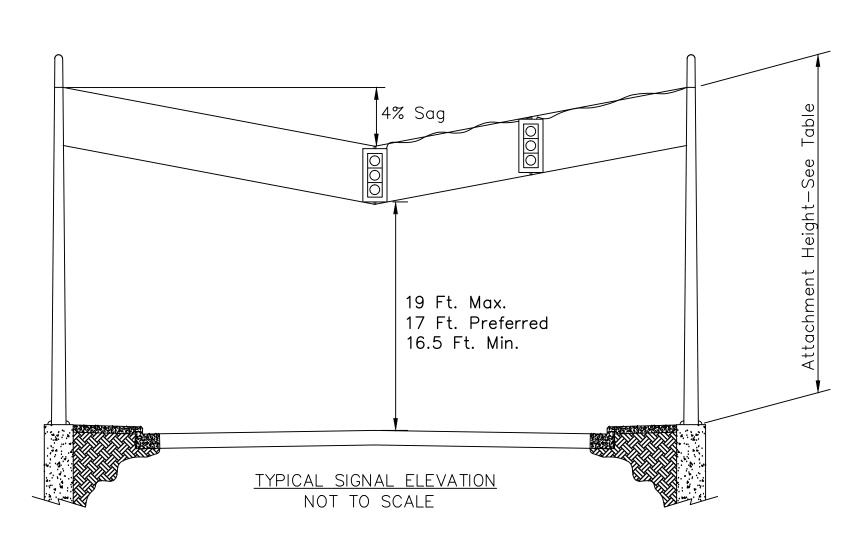


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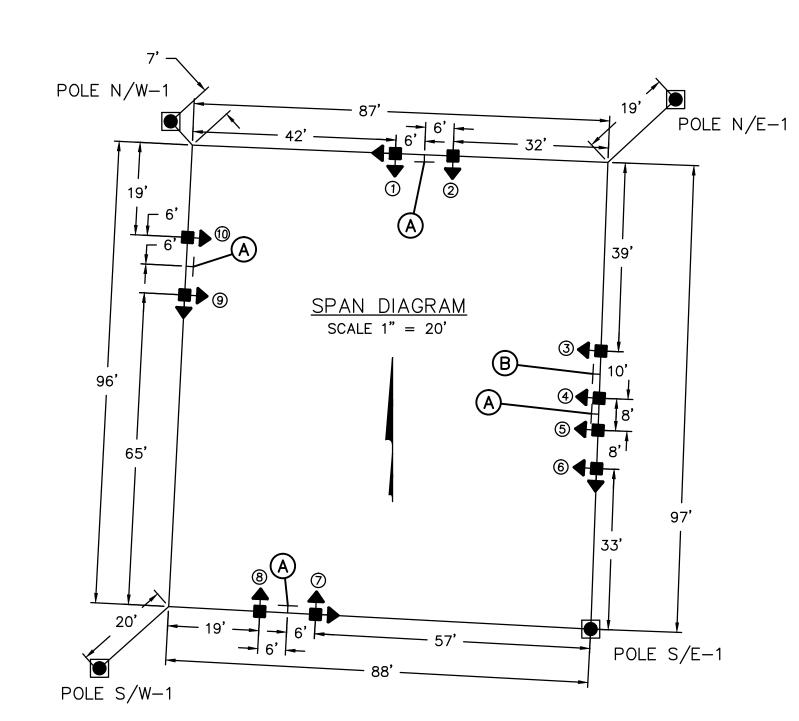
		POLE SIZES & SPAN ATTACHMENT HEIGHT						ICATION DATA C	OCKWISE FROM	HANDHOLE		FIELD ORIENTATION				
INTERSECTION	SHEET NO.	POLE DESIGNATION	POLE COLOR	POLE DESIGN NO.	POLE HT. (FT.)	ATTACHMENT HT. (FT.) SPAN @ HT. (FT.)	ANCHOR BOLT REF. LINE	2" BHC ANGLE—HT. DEG.—FT.	3" BHC ANGLE—HT. DEG.—FT.	PED. SIGNALS	PED. PUSH BUTTON	STREET NAME SIGN	INDEX LINE ANGLE (HANDHOLE)	ANCHOR BOLT REF. LINE	CAPPED FOUNDATION CONDUIT ELL 2" DIA.	FOUNDATION ELEVATION
		S/W-1	Dark Bronze	8	32'	28.5	90°	_	29' – 180°	_	_	_	225°	135°	225°	726.09
		S/W-2	Dark Bronze	PEDESTAL	10.7	_	90°	_	_	203°	180°	_	148°	58°	_	726.09
CTDEET		S/W-3	Dark Bronze	PEDESTAL	10.7'	_	90°	_	_	262°	_	_	198°	108°	_	725.95
STREET A AT	XXX	N/W-2	Dark Bronze	PEDESTAL	10.7'	_	90°	_	_	99°	_	_	171°	81°	_	726.16
STREET B		N/W-1	Dark Bronze	8	30'	27'	90°	28' - 180°	_	223°	251°	135°/225°	134°	44°	134°	725.45
		N/E-2	Dark Bronze	PEDESTAL	10.7'	_	90°	_	_	105°	90°	_	242°	152°	_	728.11
		N/E-1	Dark Bronze	8	32'	28.5'	90°	29' - 180°	_	_	_	_	224°	134°	134°	729.12
		N/E-3	Dark Bronze	PEDESTAL	10.7	_	90°	_	_	240°	_	_	217°	127°	_	728.66
		S/E-1	Dark Bronze	EXISTING	EX.	26'	EX.	EX.	_	130°/226°	_	135°/225°	135°	EX.	_	728.99
		S/E-2	Dark Bronze	PEDESTAL	5'	_	90°	_	_	_	180°	_	203°	113°	_	727.53



NOTES: All angles measured clockwise. Index line goes through the center of the handhole.



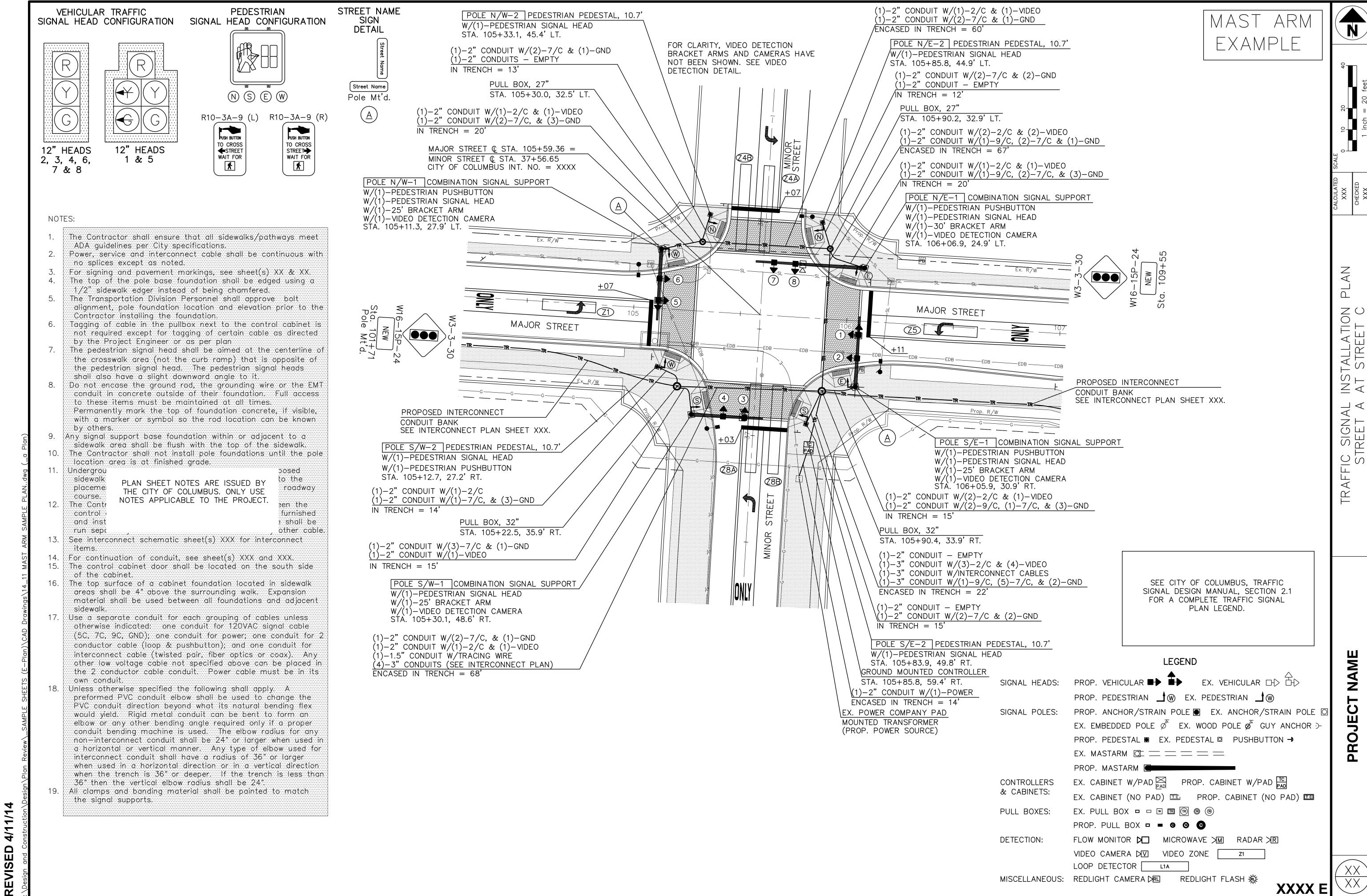
NOTES:
1. The lowest signal head height in each direction shall be set at 16.5 feet minimum (17' preferred). Adjust the span accordingly.



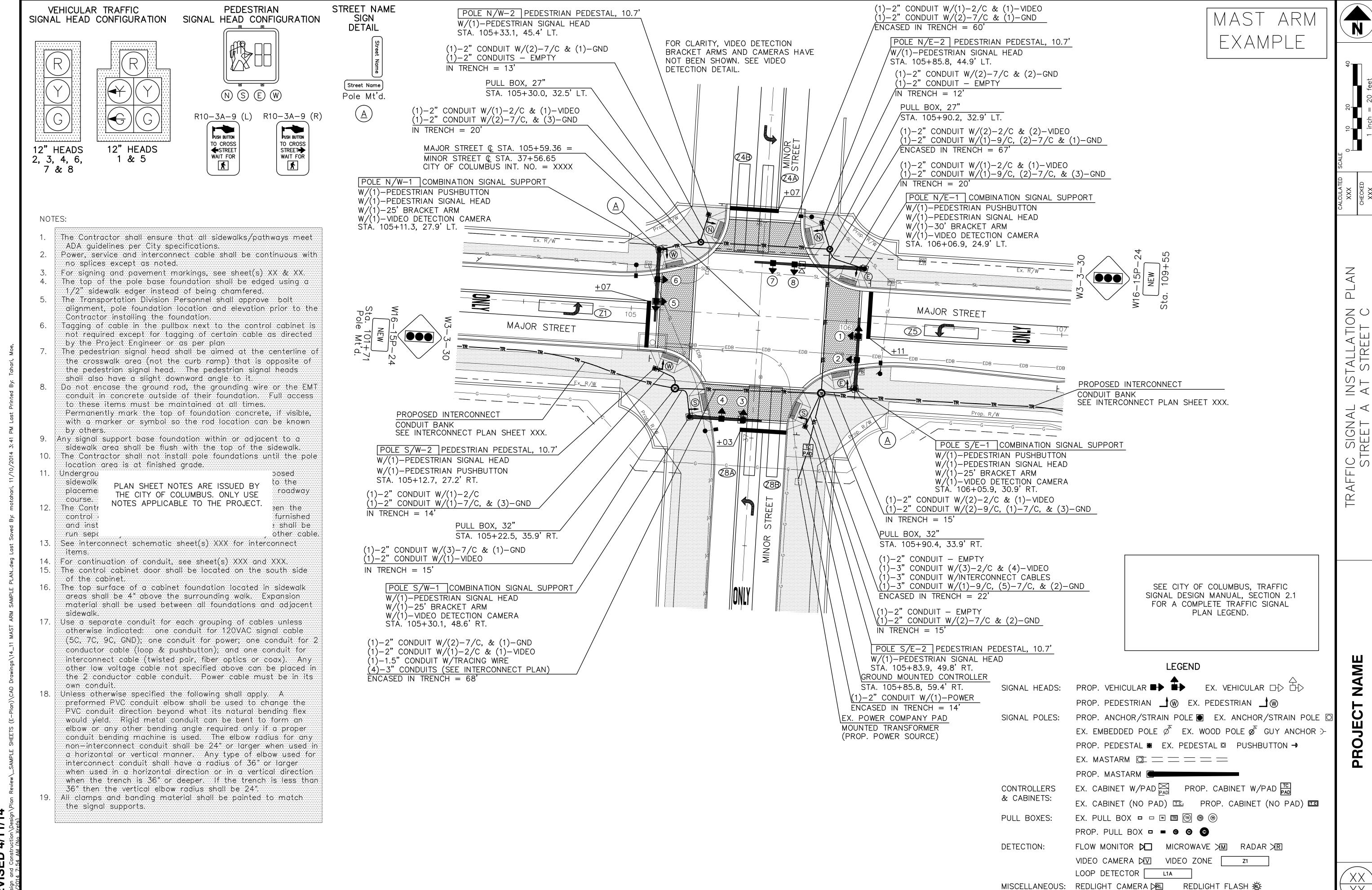
NOTES:

- The lowest signal head height in each direction shall be set at 16.5 feet (17'
- Preferred). Adjust the span accordingly.

 2. The dimensions shown on the span diagram are estimates. Final head positions shall be on the lane line, channel line or on the lane centerline. The distance between the heads are as indicated.



XXXX E



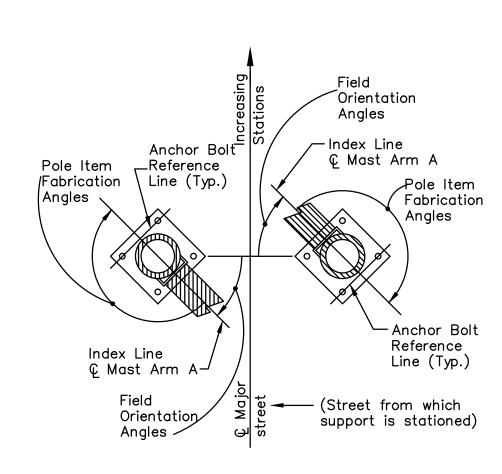
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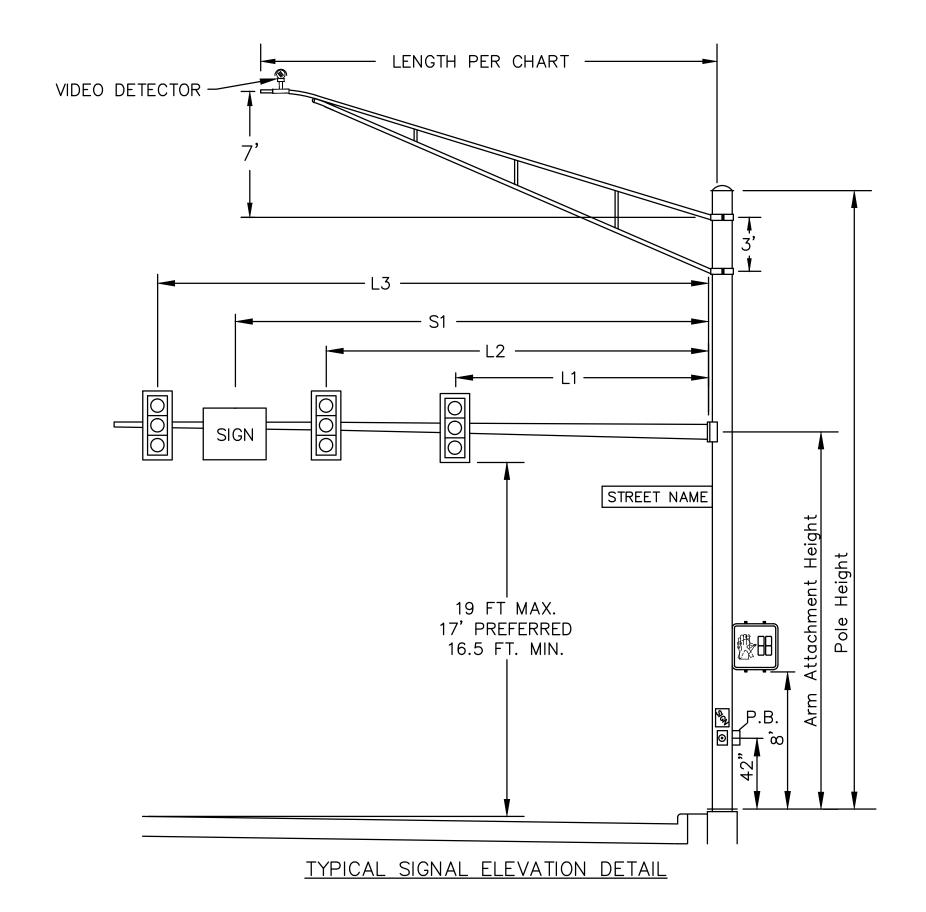
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All angles measured clockwise.

Base plate is oriented square to Mast Arm A. Mast Arm A is the largest arm if the support has two mast arms.

TYPICAL SIGNAL SUPPORT ORIENTATION DETAIL



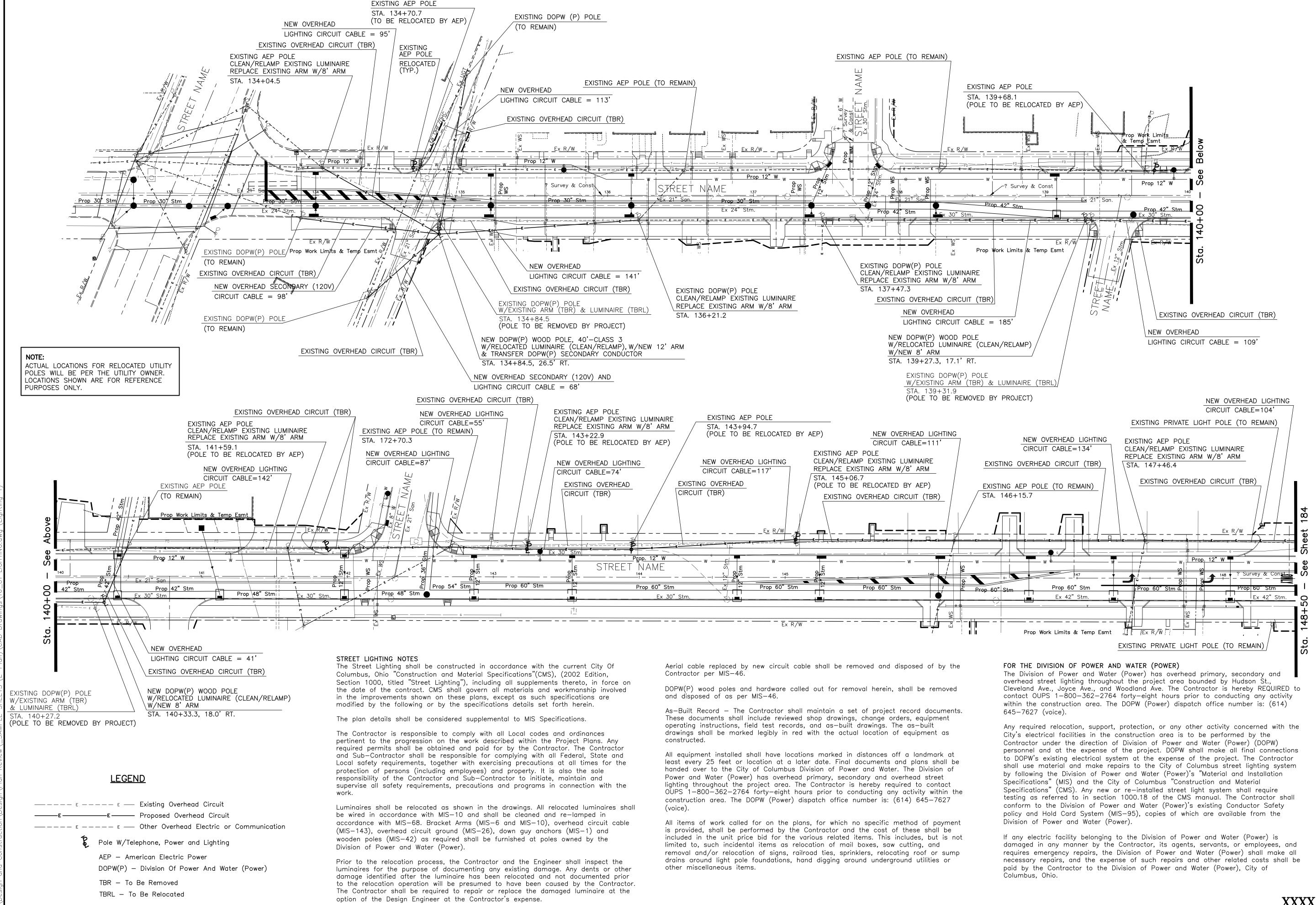
ORIENTATION

ABRICATION AND DETAILS

POLE

NAME

PROJECT



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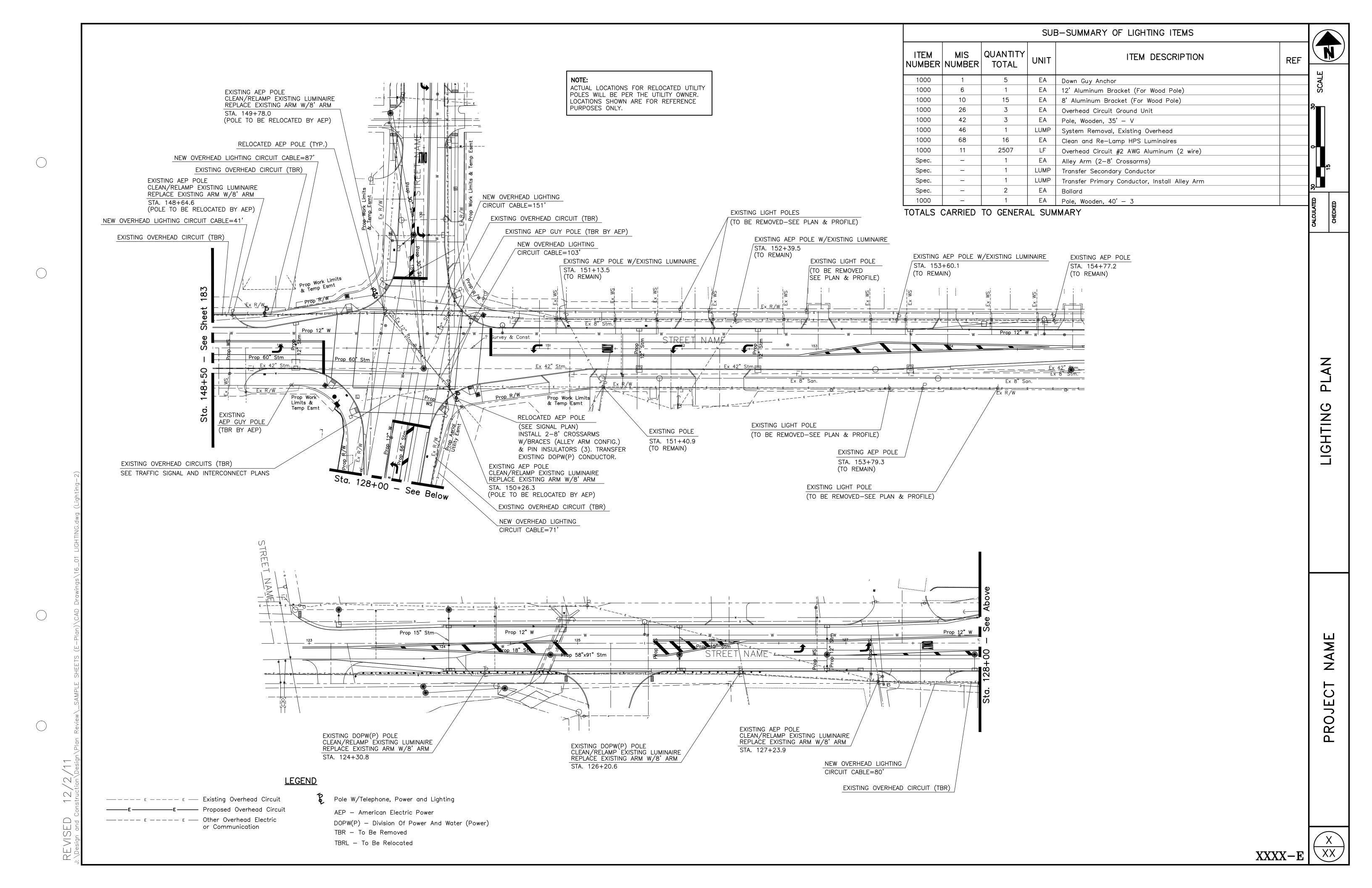
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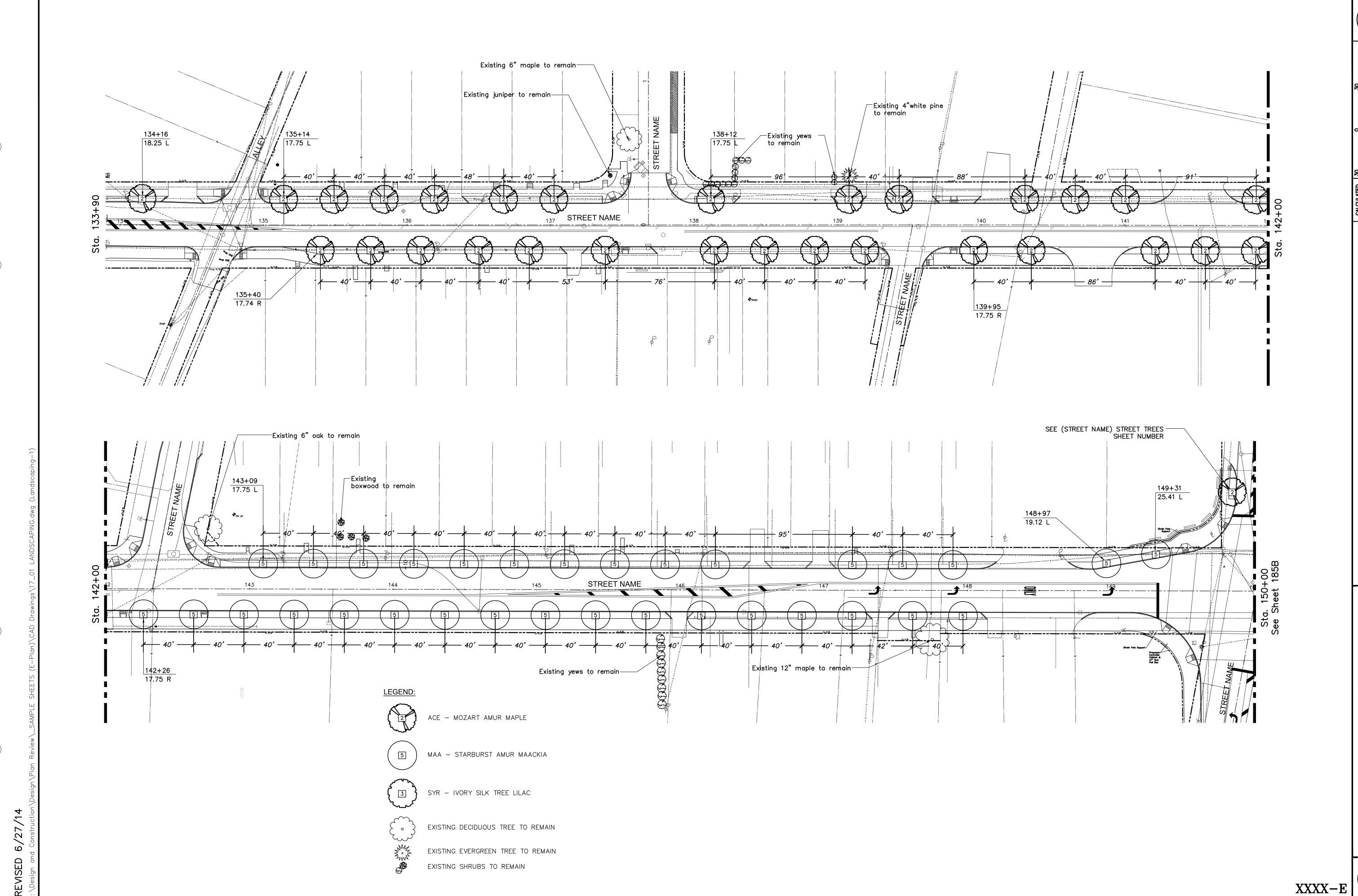
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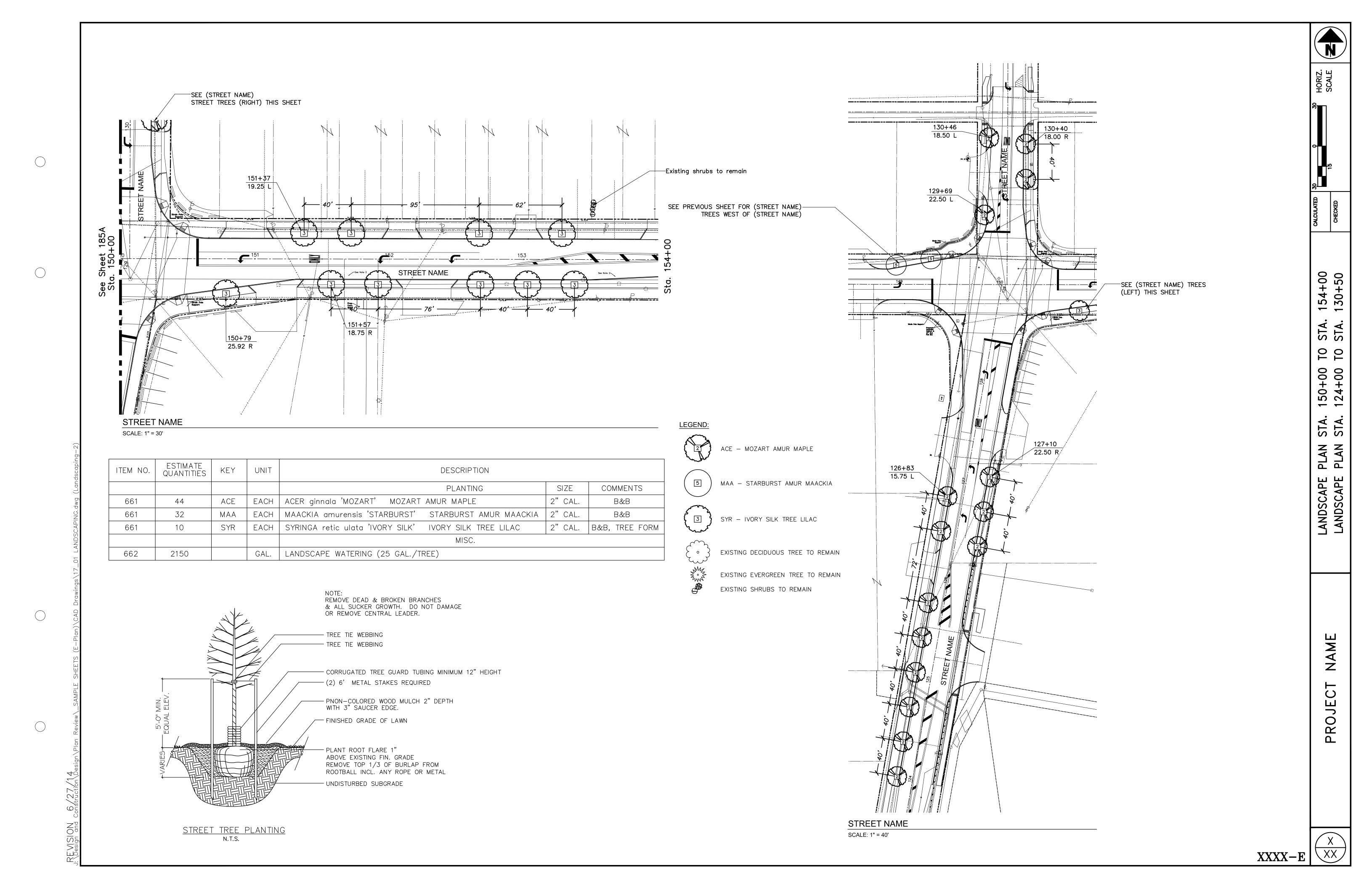


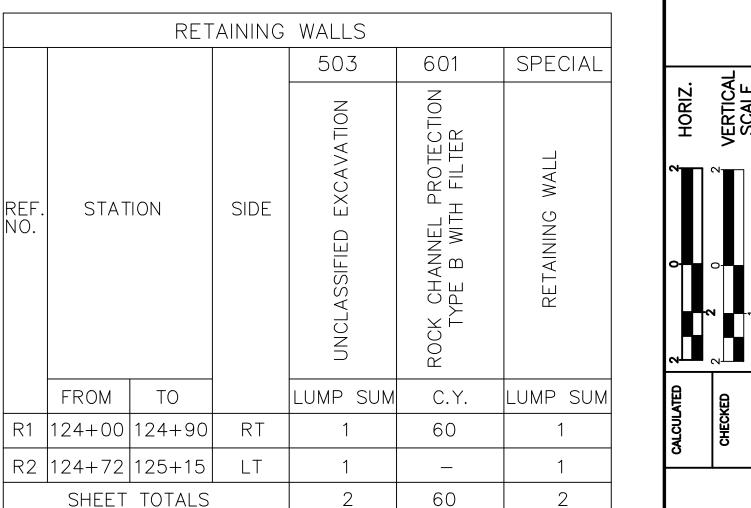


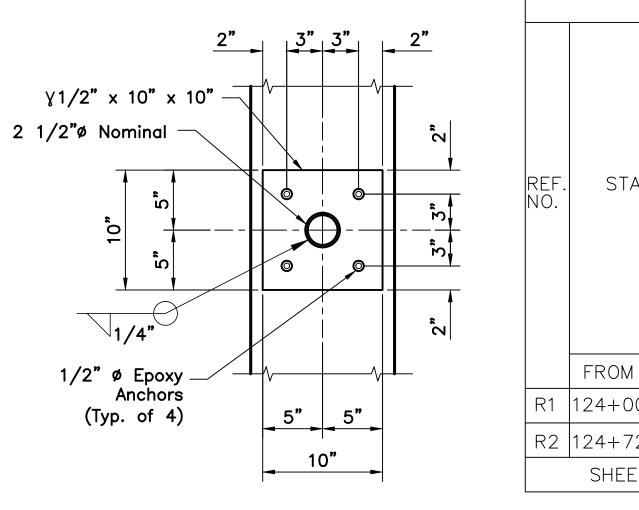
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LANDSCAPE PL 133+90 TO STA. STA

> NAME C PROJE







SECTION D-D $(1 \ 1/2" = 1'-0")$

GENERAL NOTES

All labor, material, and equipment necessary to construct the retaining wall as detailed on these plans, including excavation, backfill, concrete, reinforcement, joints, drainage, fence and incidentals shall be included in the lump sum price bid for Retaining Walls.

All existing drainage courses shall be maintained during construction and placement of the proposed structure. The contractor shall submit to the City of Columbus a Schedule of Sequence and Method of maintaining the watercourse. Special attention shall be observed to insure that all erosion control features are installed and maintained throughout the duration of the project. Adequate precautions shall be taken to prevent concrete from freezing.

The contractor shall supply 6 sets of reinforcing steel shop drawings to XXX for a plan conformance review. Five sets of the reviewed drawings will be returned to the contractor for distribution.

The foundation, as designed, will produce a bearing pressure of 1.25 ton per square foot (2500 psf). Bottom of footings shall be cast against undisturbed earth.

If unsuitable bearing material occurs at the bottom of the footing elevation, the footing shown shall be deepened or widened to accommodate the changed condition. A registered soil engineer employed by the City of Columbus shall verify the suitability of the bearing material prior to placement of any concrete for the footing. The engineer must approve any

Construction joints shall be provided as shown on the plans. Additional joints requested by the contractor shall be submitted for review and approval by the engineer. All vertical wall joints shall contain waterstop. Waterstop for vertical construction joints shall be approved prior to installation.

Porous backfill shall be placed behind the retaining wall and shall extend from below the walk to 6" below the weephole elevation. Place two cubic feet of bagged aggregate at each

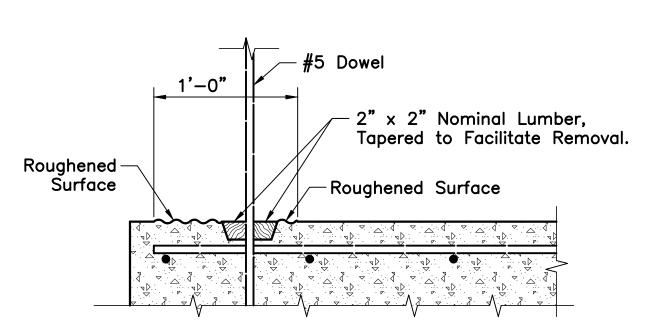
Backfill shall not be placed and the structure shall not impound water until concrete has achieved 4000 psi. Water shall not be impounded against the structure until backfill is in

All exposed non-reentrant corners of concrete shall be cast with a 3/4" x 3/4" chamfer.

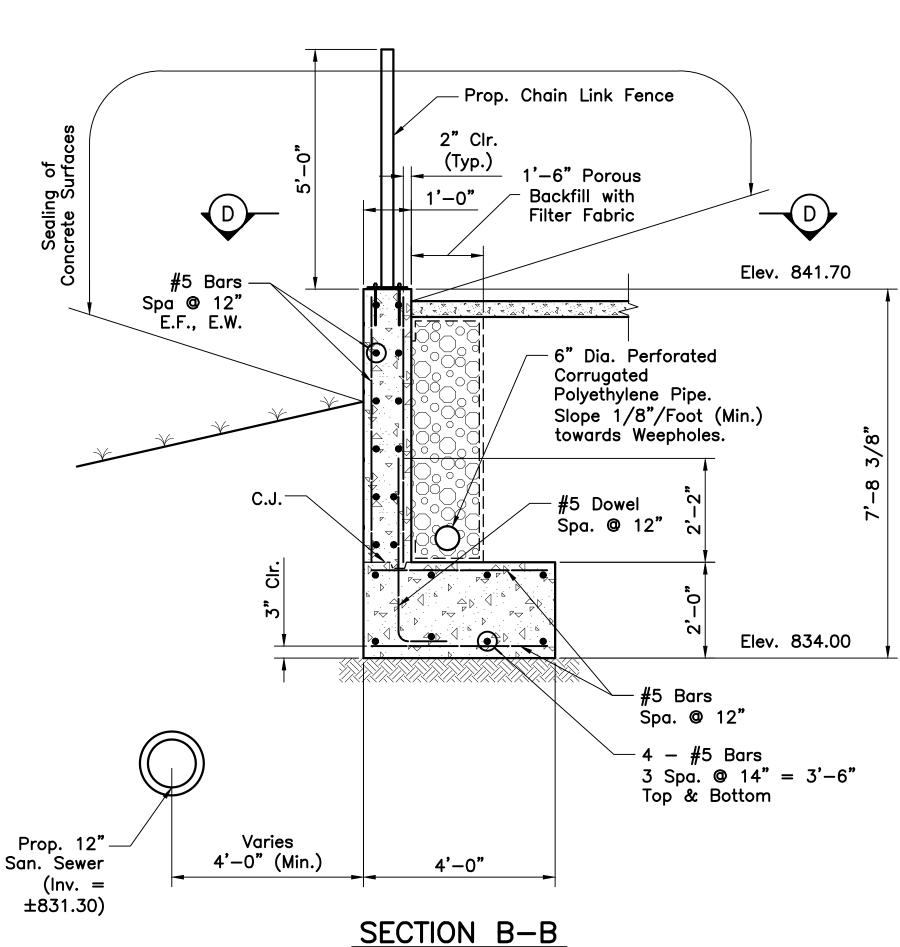
Railing shall be chain link fence. Posts that are to be mounted on wall shall be according to details on this sheet. Railing, posts, plates and anchors shall be galvanized.

All concrete surfaces above grade shall be treated with a clear sealer designed to protect concrete surfaces from graffiti. The material shall be applied in conformance with manufacturer's recommendations. One brand of sealer shall be used for all treated surfaces. Contractor shall provide owner with 5 gallons of unopened sealer for future use by owner. Cost of additional sealer provided to owner shall be included in the price for the wall. Sealer shall be approved prior to application.

Prop. Chain Link Fence 1'-0" 2" Clr. (Typ.) Elev. 842.00
Elev. 842.00
#5 Bars Spa @ 12" E.F., E.W. 6" Dia. Perforated Corrugated Polyethylene Pipe. Slope 1/8"/Foot towards Weepholes. C.J. #5 Dowel Spa. @ 12" Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
#5 Bars, Spa. @ 12"
1'-6" 4'-0" 5 - #5 Bars 5'-6" 4 Spa. @ 15" = 5'-0" Top & Bottom
$\frac{3LO11O11 A-A}{(1/2"=1'-0")}$

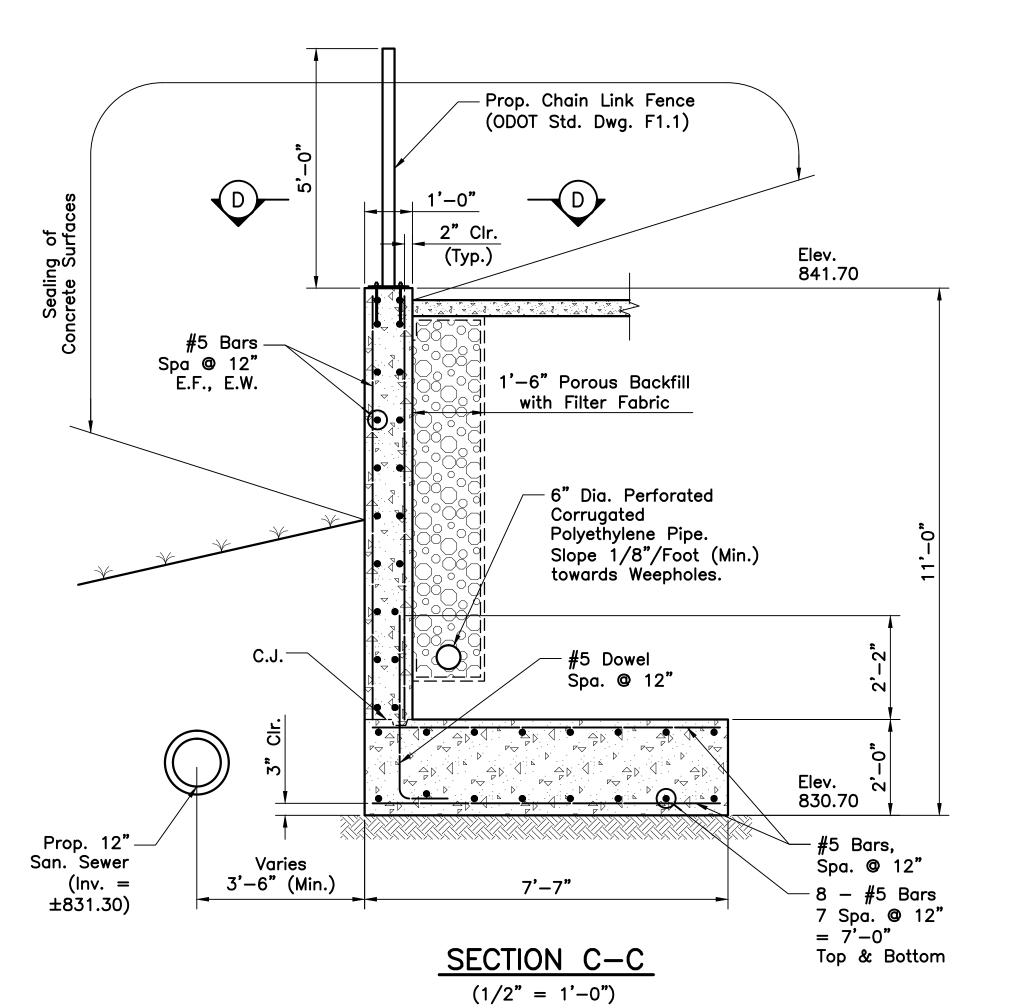


SUGGESTED DETAIL TO FORM 1 1/2" DEEP KEY FOR CONCRETE WALL $(1 \ 1/2" = 1'-0")$



(1/2" = 1'-0")

12



NOTE

RETAINING WALL ECTIONS AND GENERAL

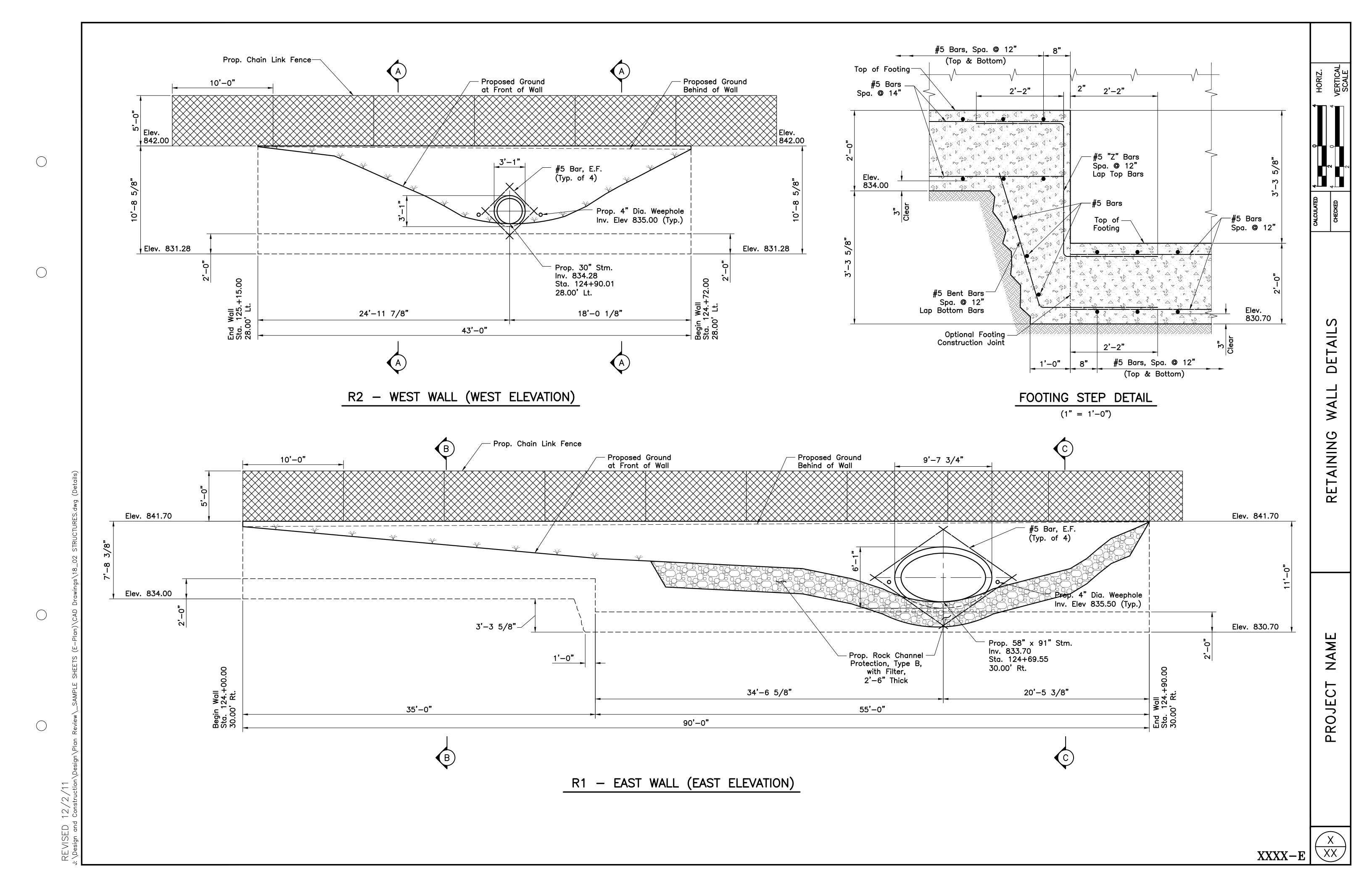
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'POWER

(POWER)

WATER

(WATER)

910 DUBLIN ROAD

AMERICAN ELECTRIC POWER

CONTACT: ROD SLONEKER

EMAIL: risloneker@aep.com

3500 INDIANOLA AVENUE

COLUMBUS, OHIO 43214

PHONE: (614) 645-7267

FAX: (614) 645-7150

COLUMBUS, OHIO 43215 CONTACT: BOB ARNOLD

PHONE: (614) 645-6558

DIVISION OF POWER AND WATER

DIVISION OF POWER AND WATER

EMAIL: rjarnold@columbus.gov

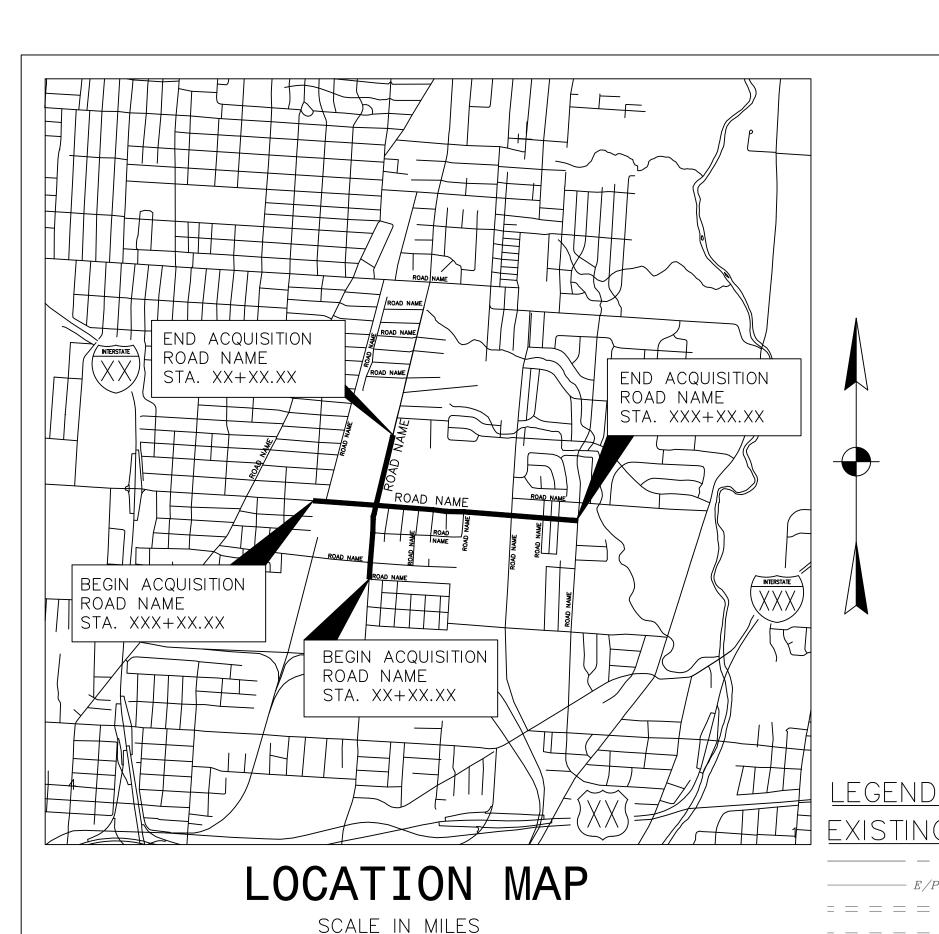
PHONE: (614) 883-6817

CELL: (614) 301-4977

FAX: (614) 883-6868

850 TECH CENTER DRIVE

GAHANNA, OHIO 43230



UTILITIES

LIST ALL UTILITIES LOCATED

IN PROJECT AREA

TELEPHONE & CABLE

111 NORTH 4TH STREET

COLUMBUS, OHIO 43215

CONTACT: TOM ZIOMEK

PHONE: (614) 223-7162

CELL: (614) 329-2195

FAX: (614) 223-5579

EMAIL: tz7315@att.com

INSIGHT COMMUNICATIONS

COLUMBUS, OHIO 43227

PHONE: (614) 338-7061

CELL: (614) 332-2337

FAX: (614) 501-9513

CONTACT: MIKE BATH

3770 EAST LIVINGSTON AVENUE

EMAIL: bath.m@insightcom. com

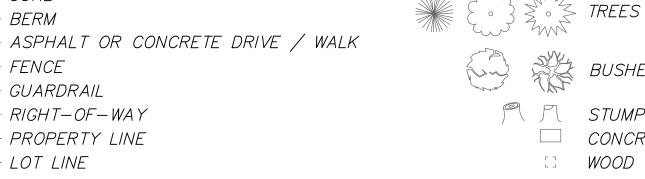
AT&T

RIGHT OF WAY LEGEND SHEET PROJECT NAME

CITY OF COLUMBUS FRANKLIN COUNTY QUARTER TOWNSHIP X, TOWNSHIP X, RANGE X UNITED STATES MILITARY LANDS

INDEX OF SHEETS: LEGEND SHEET CENTERLINE PLAT PROPERTY MAP SUMMARY OF ADDITIONAL R/W R/W TOGOGRAPHIC SHEET R/W BOUNDARY SHEET

EXISTING CONDITIONS CENTERLINE ROAD / DRIVE EDGE OF PAVEMENT



CONCRETE PAD WOOD POST POST / BOLLARD FLAG POLE PARKING BLOCK BIRDBA TH HANDRAIL

X - X

STEPS CATCH BASIN CURB INLET MANHOLE STORM MANHOLE CURB INLET

BUILDING

COMBINATION CURB & GUTTER

 $\overline{}$ STORM (24" AND LARGER)

PROPOSED LAYOUT

- \cdot \cdot \longrightarrow \cdot \cdot - DITCH

TREE LINE

----- SECTION LINE

CITY OF COLUMBUS

CITY OF DUBLIN

UNDERGROUND GAS

OVERHEAD ELECTRIC

OVERHEAD TELEPHONE

∠ MUNICIPAL BOUNDARY

OVERHEAD FIBER OPTIC

UNDERGROUND TELEPHONE

UTILITY EASEMENT (SPECIFY TYPE)

UNDERGROUND ELECTRIC

----- CONSTRUCTION CENTERLINE ----- CENTERLINE PROPOSED DRIVE - · - WORK LIMITS ----- EDGE OF PAVEMENT ---- WALK/SHARED-USE-PATH

 $oxed{oldsymbol{arphi}} = oxed{oldsymbol{arphi}} = oxed{oldsymbol{arphi}}$

CONCRETE WALL

-R/W------RIGHT-OF-WAY GUARDRAIL - SAN ----- SANITARY $\longrightarrow \cdot \cdot -$ DITCH

----- SEWER EASEMENT -CHANNEL EASEMENT — TMP — TEMPORARY CONSTRUCTION EASEMENT

ASPHALT OR CONCRETE DRIVE DETECTABLE WARNING PROPOSED FIRE HYDRANT WATER VALVE SAN MH CURB INLET

CATCH BASIN

UNDERGROUND UTILITIES TWO WORKING DAYS

BEFORE YOU DIG CALL 1-800-362-2764 OHIO UTILITIES PROTECTION SERVICE

> NON-MEMBERS MUST BE CALLED DIRECTLY

STRUCTURE KEY RESIDENTIAL COMMERCIAL OUTBUILDING

KEY

WD = WARRANTY DEEDSH = STANDARD HIGHWAY EASEMENT SL = SLOPE EASEMENT

CH = CHANNEL EASEMENT SW = SEWER EASEMENT

PR = PROPERTY RIGHT

P = PERMANENT

T = TEMPORARY

ABBREVIATIONS

....1" WATER SERVICE ..6" SANITARY SERVICE ...1" GAS SERVICE ...4" ROOF DRAIN .OVERHEAD ELECTRIC ..OVERHEAD TELEPHONE ..UNDERGROUND TELEPHONE ..CABLE TELEVISION ..PREVIOUSLY ABANDONED ...DO NOT DISTURB ...TO BE ABANDONED (SEE NOTE BELOW) ..TO BE REMOVED ..TO BE RELOCATED (RTG). .RECONSTRUCT TO GRADE (ATG). .ADJUST TO GRADE ..ENCROACHMENT TO REMAIN UNLESS OTHERWISE DIRECTED BY THE ENGINEER-IN-CHARGE (ENC-TBR).....ENCROACHMENT TO BE

REMOVED BY THIS PROJECT

PROJECT DESCRIPTION

THE EXISTING AND PROPOSED RIGHT OF WAY SHALL BE REFERENCED FROM THE CENTERLINE OF RIGHT OF WAY TO EITHER XXXXXX AVENUE OR XXXXX

PROJECT CONTROL

FIRM NAME:

STATE PLANE GRID - OHIO SOUTH NAD83(CORS96)

PLANS PREPARED BY:

R/W DESIGNER: XXXXX XXXXXX R/W REVIEWER: XXXXX XXXXXXX FIELD REVIEWER: XXXXX XXXXXX XX/XX/XXXX PRELIMINARY FIELD REVIEW DATE: XX/XX/XXXX TRACINGS FIELD REVIEW DATE: OWNERSHIP UPDATED BY: XXXXX XXXXXX XX/XX/XXXX DATE COMPLETED: XX/XX/XXXX PLAN COMPLETION DATE:

XXXXXXXXXXXXXX

SURVEYOR CERTIFICATION:

PS HAVE CALCULATED THE GROSS TAKE, PRESENT ROADWAY OCCUPIED (PRO), NET TAKE, AND NET RESIDUE; AS WELL AS PREPARED THE LEGAL DESCRIPTIONS NECESSARY TO ACQUIRE THE PARCELS AS SHOWN HEREIN. PS DETERMINED THE LOCATIONS OF THE EXISTING PROPERTY LINES FOR THE PROPERTY TAKES CONTAINED HEREIN. THIS WORK WAS DONE IN ACCORDANCE WITH THE OHIO ADMINISTRATIVE CODE CHAPTER 4733-37 COMMONLY KNOWN AS THE MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO UNLESS SO NOTED. THE WORDS I AND MY AS USED HEREIN, ARE TO MEAN THAT EITHER MYSELF OR SOMEONE WORKING FOR ME UNDER MY DIRECT CONTROL OR SUPERVISION

XXXXX XXXXXXX, PS - OHIO LIC. # XXXX

EXISTING UTILITY SYMBOLS

- GUY ANCHOR [MB] MAILBOX □ SIGNAL POLE S SANITARY MANHOLE
FIRE HYDRANT & WATER VALVE PB PULL BOX TELEPHONE POLE
GAS VALVE CLEAN OUT W WATER METER TELEPHONE MANHOLE
TELEPHONE ELECTRIC POLE ELECTRIC POLE ELECTRIC LIGHT POLE
▼ TELEPHONE PULL BOX



SURVEYORS SEAL

SURVEY SYMBOLS

○ IRON PIN/RAILROAD SPIKE FND. Ø MAG/PK NAIL SET

 MAG/PK NAIL FND. RAILROAD SPIKE SET

RIGHT-OF-WAY MON. FND.

⊕ SOIL BORING ◆ BENCHMARK

IRON PIN SET

REV. BY DATE DESCRIPTION DATE: XX/XX/20XX FIELD REVIEW BY: XX/XX OWNERSHIP VERIFIED BY: XX/XX DATE: XX/XX/20XX DATE COMPLETED XX/XX/20XX

XX XX

NAM

PROJEC

UTILITIES NOTE: UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE

XXXX DR E

THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE OHIO STATE PLANE

COORDINATES SYSTEM NAD83 (NSRS 2007), SOUTH ZONE. THE VERTICAL DATUM IS ON NAVD88.

BASIS OF BEARINGS AND COORDINATES:

(DEFINE METHOD USED TO ESTABLISH BASIS OF BEARINGS)

THE BASIS OF BEARINGS WERE ESTABLISHED BY GPS OBSERVATIONS AND OBSERVATIONS OF SELECTED STATIONS IN THE OHIO DEPARTMENT OF TRANSPORTATION VIRTUAL REFERENCE SYSTEM (VRS). THE PORTION OF THE CENTERLINE OF ROAD NAME. HAVING A BEARING OF N 13°32'54" E FROM STATION 78+16.60 TO STATION 90+48.12 AND MONUMENTED AS SHOWN HERON. IS DESIGNATED THE "BASIS OF BEARING" FOR THIS PLAN.

SOURCE BENCHMARK

(DEFINE SOURCE BENCHMARK TO INCLUDE STATE PLAN COORDINATES & ELEVATION)

FCE MONUMENT COC45-82 (735943.597 N, 1855621.207 E, ELEV.: 836.636) WAS OBSERVED AS A CHECK AND WAS OBSERVED TO BE 0.030' NORTH, 0.013' EAST AND 0.011' IN ELEVATION DIFFERENT THAN PUBLISHED VALUES.

BASIS OF EXISTING R/W WIDTH AND LOCATION:

THE EXISTING CENTERLINE & R/W WIDTH AND LOCATION WERE DETERMINED USING DOCUMENTATION ON FILE FROM THE CITY OF COLUMBUS AND EXISTING MONUMENTATION FOUND IN THE CENTERLINE AND ALONG THE RIGHT OF WAY.

IF REQUIRED BY THE CITY OF COLUMBUS CENTERLINE MONUMENTS ARE TO BE PAID FOR UNDER THE FOLLOWING:

ITEM 604 (40501) CENTERLINE MONUMENT QUANTITY CARRIED TO GENERAL SUMMARY X EACH

MONUMENTS TO BE SET DURING CONSTRUCTION:

ALL IRON PINS SET ARE 5/8" REBAR (30"LONG) WITH A YELLOW PLASTIC CAP STAMPED "R/W **COMPANY NAME**" AND ARE TO BE PLACED AT THE COMPLETION OF CONSTRUCTION BY THE CITY OF COLUMBUS SURVEY DEPARTMENT.

THE PLACING OF MONUMENTS SHALL BE UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR REGISTERED IN THE STATE OF OHIO AND ARE TO BE SET UPON COMPLETION OF CONSTRUCTION.

THE PROPOSED RIGHT OF WAY SHALL BE REFERENCED FROM THE CENTERLINE OF PROPOSED RIGHT OF WAY AND CONSTRUCTION.

	CENTERLINE MONUMENTS FOUND & USED											
PT	STATION	DISTANCE FROM €	NORTHING	EASTING	DESCRIPTION							
200	XX+XX.XX	XX.X'LT	XXXXXXX	XXXXXX.XX	RR SPK							
201	XX+XX.XX	XX.X'LT	XXXXXXX	XXXXXXX	1" IRON PIN							
202	XX+XX.XX	XX.X'RT	XXXXXX.XX	XXXXXX.XX	1" IRON PIN							
203	XX+XX.XX	XX.X'LT	XXXXXX.XX	XXXXXXX	RR SPK							
204	XX+XX.XX	XX.X'RT	XXXXXX.XX	XXXXXX.XX	RR SPK							
205	XX+XX.XX	XX.X'RT	XXXXXXX	XXXXXXX	RR SPK							
206	XX+XX.XX	XX.X'LT	XXXXXX.XX	XXXXXX.XX	RR SPK							
207	XX+XX.XX	XX.X'LT	XXXXXX.XX	XXXXXX.XX	1" IRON PIN							
208	XX+XX.XX	XX.X'RT	XXXXXX.XX	XXXXXX.XX	1" IRON PIN							
209	XX+XX.XX	XX.X'LT	XXXXXX.XX	XXXXXX.XX	RR SPK							

FRANKLIN COUNTY

CITY OF COLUMBUS

TOWNSHIP X, RANGE X

QUARTER TOWNSHIP X

UNITED STATES MILITARY LANDS

FOR OTHER MONUMENTS FOUND AND USED, SEE SHEET X

| 210 | XX+XX.XX | XX.X' LT | XXXXXXXXX | XXXXXXXXX 1" IRON PIN

Χ.

XXXXXXX

S-XXXX

OPOSED RIGHT	OF	VAY AND CONSTRUCTION.
200+00	ROAD NAME © O	STA. 201+58.86, ROAD NAME STA. 201+58.86, ROAD NAME O O O S86*12'03"E EX. C OF R/W AND CONST.(ROAD NAME)
	RO	STA. 210+24.73, ROAD NAME = STA. 10+00.00, ROAD NAME
		$PI STA. 210+32.85$ $\triangle = 0^{\circ}23'02" RT.$

, PS HAVE CALCULATED THE GROSS TAKE, PRESENT ROADWAY OCCUPIED (PRO), NET TAKE, AND NET RESIDUE; AS WELL AS PREPARED THE LEGAL DESCRIPTIONS NECESSARY TO ACQUIRE THE PARCELS AS SHOWN HEREIN. PS DETERMINED THE LOCATIONS OF THE EXISTING PROPERTY LINES FOR THE PROPERTY TAKES CONTAINED HEREIN. THIS WORK WAS DONE IN ACCORDANCE WITH THE OHIO ADMINISTRATIVE CODE CHAPTER 4733-37 COMMONLY KNOWN AS THE MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO UNLESS SO NOTED. THE WORDS I AND MY AS USED HEREIN, ARE TO MEAN THAT EITHER MYSELF OR SOMEONE WORKING FOR ME UNDER MY DIRECT CONTROL OR SUPERVISION.

	MPROPOSED MONUMENT ⊙IRON PIN FOUND & USED
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	A. 224+40.29, ROAD NAME O ROAD NAME
STA. 221+51.06, ROAD NAME STA. 78+16.60, ROAD NAME RR SPK FOUND PI STA. 75+94.32 △= 9°57′51″ RT. N 3°49′48″E PROP. C OF CONST.(ROAD NAME) PROP. C OF CONST.(ROAD NAME)	ROAD NAME) ROAD NAME) ROAD NAME S82.49,30,1 ROAD NAME S82.49,30,1 ROAD NAME
1057.15' (Q EX. R/W) MATCH LINE STA. 75+00 SEE SHEET NO. X	ROAD NAME Q_CONSTRUCTION REV. BY DATE DESCRIPTION CURVE DATA
XXXXX	P.I. STA. $75+94.32$ $\Delta = 9°57'51" RT.$ $D = 7°30'00"$ $R = 763.94'$

L = 132.85

T = 66.60'

CH = 132.69'

 $CHB = N 81^{\circ}11'17''E$

E = 2.90'

MONUMENT LEGEND

ØEX. MON., SET NEW BOX

FIELD REVIEW BY: XX/XX

EX. C OF R/W AND

CONST. (ROAD NAME)_

 $\triangle = 0^{\circ}02'47"$ RT.

RECEIVED RECORDED -___, 20____ ___ PAGE____ COUNTY RECORDER

XXXXX XXXXXXX, PS - OHIO LIC. # XXXX

ROJE

AM

Z

PLA

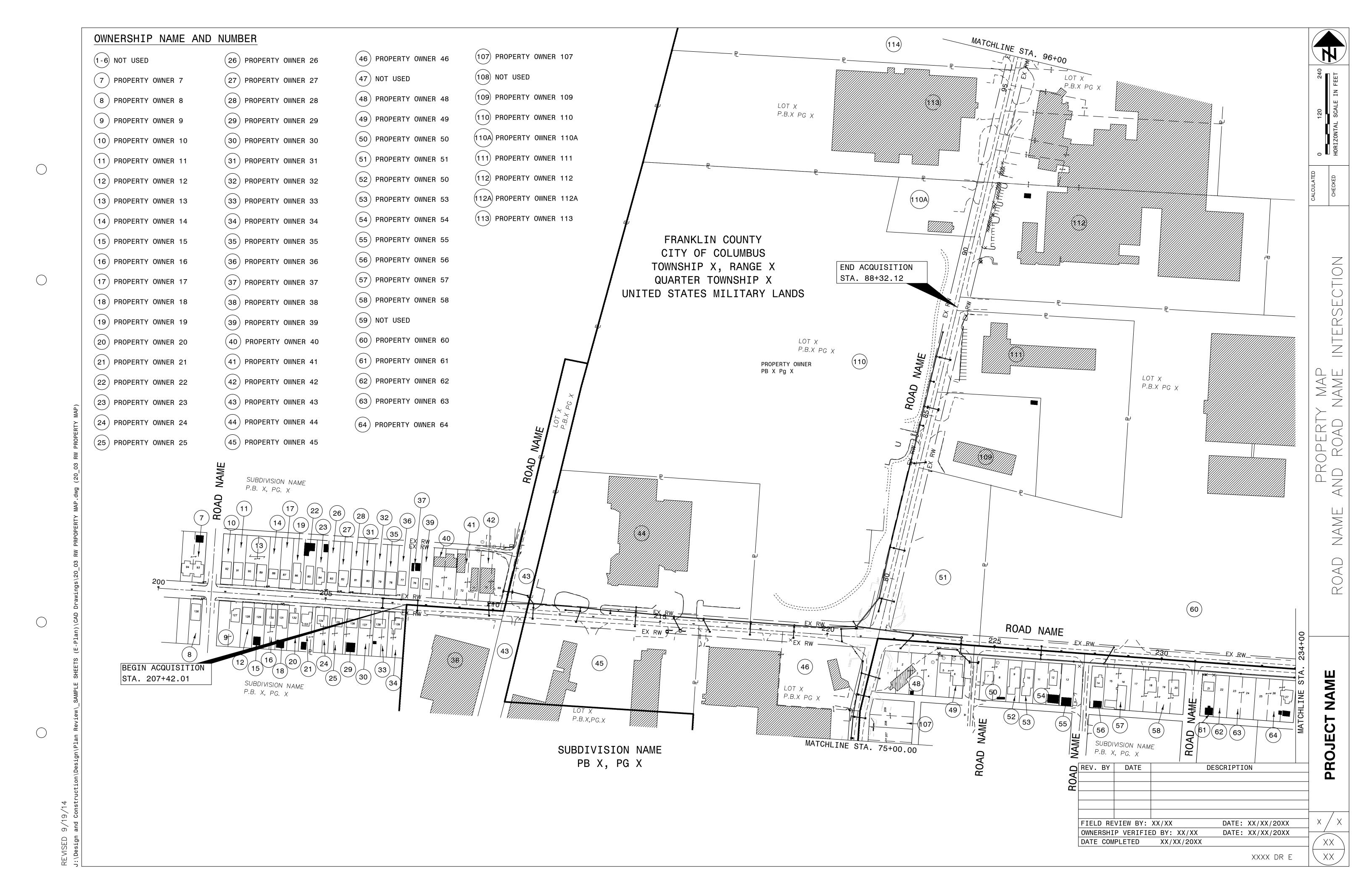
ШĒ

 $\geq \\ \neq$

 \triangleleft

DATE: XX/XX/20XX OWNERSHIP VERIFIED BY: XX/XX DATE: XX/XX/20XX DATE COMPLETED XX/XX/20XX XX XX

XXXX DR E



TOTAL NUMBER OF:

X OWNERSHIPS

X PARCELS

X TOTAL TAKES

X OWNERSHIPS W/STRUCTURES INVOLVED

NET RESIDUE = RECORDED AREA - TOTAL PRO - NET TAKE

ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF

THE CITY OF COLUMBUS, OHIO UNLESS OTHERWISE SHOWN.

PARCEL		SHEET	OWNERS RECORD	AUDITOR'S		TOTAL	GROSS	P.R.O.	NET	STRUC-	NET RE	ESIDUE	TYPE		AS ACQUIRED
NO.	OWNER	NO.	BOOK/PAGE	PARCEL NUMBER	RECORD AREA	P.R.O.	TAKE	IN TAKE	TAKE	TURE	LEFT	RIGHT	FUND	REMARKS COLUMN	INSTRUMENT
33	PROPERTY OWNER 33	X, X-X	DB 3307 PG 578	010-016065	0.136*								CITY	NO R/W REQUIRED	
			DB 2184 PG 672												
7.4	DDODEDTY OWNED 74		DD 2272 DC 285	010 016066	0.156*								CITY	NO D /W DECLUDED ** 74' FENCE	
34	PROPERTY OWNER 34	X, X-X	DB 2232 PG 285	010-016066	0.156*								CITY	NO R/W REQUIRED, ** 34' FENCE	
<u> </u>	PROPERTY OWNER 35	X, X-X	I.N. 200804300066441	010-029918	0.121*								CITY	NO R/W REQUIRED	
	TIXOLEIXIT OWNER 30	7, 7, 7	1.14. 20000 1000000 111		0.121									THO THY WITE GOINED	
36	PROPERTY OWNER 36	X, X-X	I.N. 200802280030307	010-029917	0.121*								CITY	NO R/W REQUIRED	
37-T	PROPERTY OWNER 37	X, X-X	I.N. 200502030021187	010-033735	0.121*		0.001		0.001				CITY	NO R/W REQUIRED, ** 35' FENCE	
38-T	PROPERTY OWNER 38	X, X-X	OR 21452 J12	010-014645	3.870		0.023		0.023				CITY	TO RECONSTRUCT A DRIVEWAY ** 6' FENCE	
39-T	PROPERTY OWNER 39	X, X-X	I.N. 200704200069528	010-033734	0.121*		0.005		0.005				CITY	** 35' FENCE, FOR GRADING	
40-T	PROPERTY OWNER 40	X, X-X	I.N. 201007190090605	010-052681	0.121*								CITY	TO RECONSTRUCT A DRIVEWAY ** 66' FENCE	
+0-1	INOLLINII OWINER 40	^, ^-^	1.11. 20100/190090003	010-052680	0.121*									TO RECONSTRUCT A DRIVEWAY, ** 66' FENCE	
				TOTAL	0.242*		0.026		0.026						
41-T	PROPERTY OWNER 41	X, X-X	I.N. 201007190090604	010-054233	0.121*		0.020		0.020				CITY	** 62' FENCE IN E. 17TH ROW	
				010-054232	0.121*									TO RECONSTRUCT A DRIVEWAY	
				TOTAL	0.242*										
42-WD	PROPERTY OWNER 42	X, X-X	I.N. 200510130215231	010-033733	0.121*		0.023	0.000	0.023		0.098		CITY		
42-T		X, X–X		010-033732	0.155		0.051		0.051						
				TOTAL	0.276*										
43-WD	PROPERTY OWNER 43	X, X-X	I.N. 201010070132388	010-244168	18.915*	0.092	0.144	0.092	0.052			18.771	CITY		
43-WD 43-S	PROPERTY OWNER 45	X, X-X	1.11. 201010070132388		18.913	0.092	0.026	0.092	0.032			10.771			
43-T		X, X-X					0.007		0.007					TO RECONSTRUCT A DRIVEWAY	
		,													
44-WD	PROPERTY OWNER 44	X, X-X	DB 3598 PG 725	010-098450	6.345	0.459	0.511	0.459	0.052		5.834		CITY		
44-S1		X, X-X					0.045		0.045						
44-S2		X, X-X					0.005		0.005						
44-T1		X, X-X					0.045		0.045						
44-T2		X, X-X X, X-X					0.087 0.156		0.087 0.156						
44-T3		^, ^-^	+				0.130		0.130						
45-T	PROPERTY OWNER 45	X, X-X	I.N. 200512020253597	 010-108185	10.894		0.123		0.123				CITY		
•	<u> </u>	, , , , ,													
46-WD	PROPERTY OWNER 46	X, X-X	I.N. 200807110106974	010-108429	2.9658		0.023	0.000	0.023			2.943	CITY		
46-T		X, X-X	I.N. 200606210121615	010-108394	0.995		0.238		0.238					TO RECONSTRUCT A DRIVEWAY	
48-WD	PROPERTY OWNER 48	X, X-X	I.N. 200009250194502	010-108440	0.488*		0.019	0.000	0.019			0.469	CITY		
48-S		X, X-X					0.006		0.006						
48-T1		X, X-X					0.008		0.008						
48-T2		X, X-X	-				0.081		0.081						
40 MD	DDODEDTY OWNED 40		OD 15404 507	010 100444	0 115		0.001	0.000	0.001				OITY	** 4' DI III DINIO AND ** 075' OF FENOR	
49-WD	PROPERTY OWNER 49	X, X-X X, X-X	OR 15404 E03	010-108444 010-108445	0.115 0.115		0.001	0.000	0.001				CITY	** 4' BUILDING AND ** 235' OF FENCE	
44-		x, x-x	+	TOTAL	0.113							1		FOR GRADING	
49-S 49-T		1 / / /	·	ICHAL	(), /, \\1"		0.008	!	0.008				1	I FOR GRADING	

SL = SLOPE EASEMENTCH = CHANNEL EASEMENT

PR = PROPERTY RIGHT

T = TEMPORARY CONSTRUCTION EASEMENT

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS
TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT

BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

P = PERMANENT EASEMENTS = SEWER EASEMENT

** DENOTES RIGHT OF WAY ENCROACHMENT

