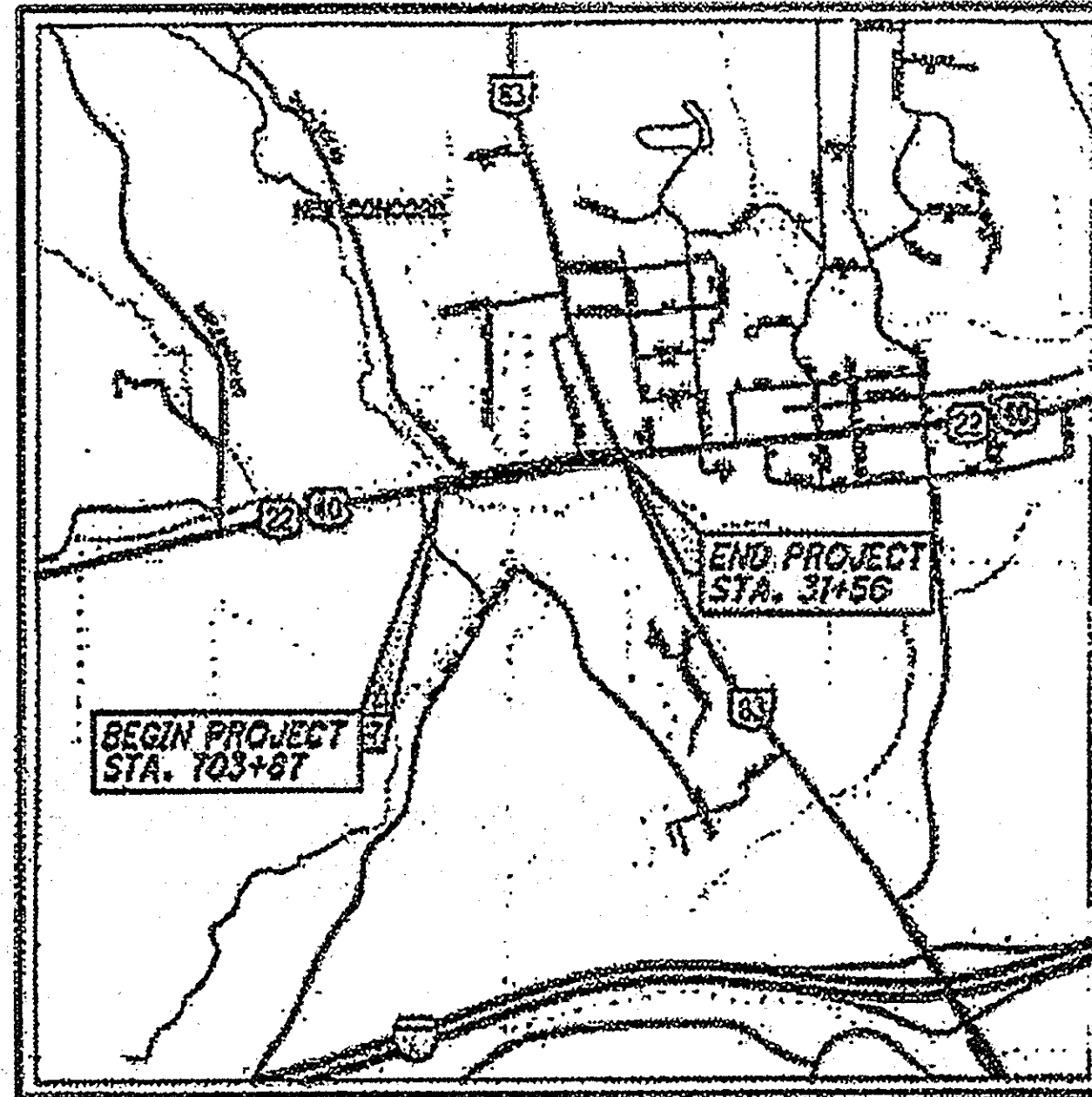


STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION  
**MUS-US22-25.98 NEW CONCORD TA**  
VILLAGE OF NEW CONCORD  
MUSKINGUM COUNTY, OHIO

**PROJECT DESCRIPTION**  
THE PROJECT INCLUDES DECORATIVE LIGHTING, BENCHES, AND CROSSWALKS ALONG US22/US40 IN THE VILLAGE OF NEW CONCORD.



**LOCATION MAP**  
LATITUDE: N 39° 59' 37" LONGITUDE: W 81° 44' 12"  
SCALE IN MILES  
0 1/4 1/2 3/4 1

PORTION TO BE IMPROVED: \_\_\_\_\_  
INTERSTATE HIGHWAY: \_\_\_\_\_  
FEDERAL ROUTES: \_\_\_\_\_  
STATE ROUTES: \_\_\_\_\_  
COUNTY & TOWNSHIP ROADS: \_\_\_\_\_  
OTHER ROADS: \_\_\_\_\_

**INDEX OF SHEETS:**

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| PLAN SHEET                   | 8    |
| LIGHTING                     | 9-18 |

**2013 SPECIFICATIONS**  
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**MAINTENANCE OF TRAFFIC ENDORSEMENT**  
I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

**DESIGN DESIGNATION**

|                                  |                       |
|----------------------------------|-----------------------|
| OPENING YEAR ADT (2016)          | 8000                  |
| TRUCKS (24 HOUR B&C)             | 11 %                  |
| LEGAL SPEED                      | 35 MPH                |
| DESIGN FUNCTIONAL CLASSIFICATION | MAJOR RURAL COLLECTOR |

**UNDERGROUND UTILITIES**  
CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

**Ohio Utilities Protection SERVICE**  
Call Before You Dig  
1-800-382-2166  
(Non-members must be called directly)

**OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE**  
1-800-828-0868

PLAN PREPARED BY:  
PDGEMEYER DESIGN GROUP, INC.  
ARCHITECTS - ENGINEERS - PLANNERS  
122 NORTH MAIN STREET  
BORLING GREEN, OHIO 43102  
PH: (614) 252-7571

**ENGINEERS SEAL:**

**LIGHTING**

**ROADWAY**

| STANDARD CONSTRUCTION DRAWINGS |         |          |         |     |         | SUPPLEMENTAL SPECIFICATIONS |  | SPECIAL PROVISIONS |  |
|--------------------------------|---------|----------|---------|-----|---------|-----------------------------|--|--------------------|--|
| BP-2.1                         | 7/7/15  | HL-20.1  | 1/18/15 | 800 | 1/15/16 |                             |  |                    |  |
| BP-2.2                         | 7/18/08 | HL-30.22 | 1/17/16 | 032 | 1/17/14 |                             |  |                    |  |
|                                |         | HL-40.20 | 1/16/15 |     |         |                             |  |                    |  |
|                                |         | HL-50.1  | 1/17/14 |     |         |                             |  |                    |  |
|                                |         | HL-60.12 | 1/17/14 |     |         |                             |  |                    |  |

APPROVED: *R. G. Ch...*  
DATE: \_\_\_\_\_ MAYOR, VILLAGE OF NEW CONCORD

APPROVED: *Dave P. R.C. AS JS*  
DATE: 12/18/15 DISTRICT DEPUTY DIRECTOR

APPROVED: *[Signature]*  
DATE: 11-4-16 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E131543  
PID NO. 96830  
CONSTRUCTION PROJECT NO.  
RAILROAD INVOLVEMENT NONE  
MUS-US22-25.98  
NEW CONCORD TA

MUS - US 22-25.98 New Concord TA  
160152 PID - 96830  
Dist 5 3/24/2016  
Contract Proposal Available  
@ www.contracts.dot.  
state.oh.us/home

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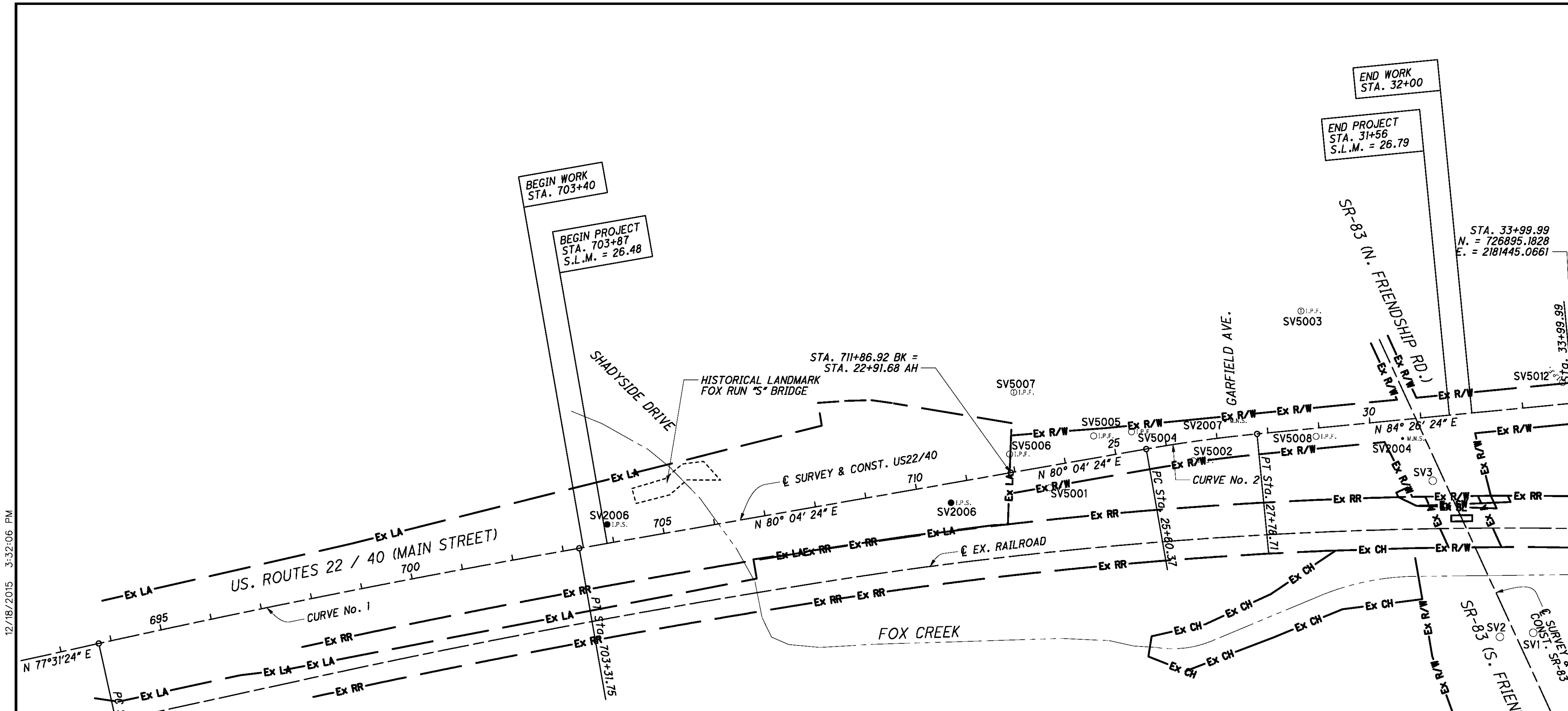


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 HORIZONTAL SCALE IN FEET

CALCULATED JJ  
 CHECKED DAP

**SCHEMATIC PLAN**

MUS-US22-25.98  
 NEW CONCORD TA



**CURVE No. 1**  
 P.I.Sta. 698+53.70  
 N = 726529.4051  
 E = 2179032.3315  
 Δ = 2° 33' 00" (RT)  
 Dc = 0° 16' 00"  
 R = 21,485.93'  
 T = 478.20'  
 L = 956.25'  
 E = 5.32'  
 C = 956.17'  
 C.B. = N 78° 47' 54" E

**CURVE No. 2**  
 P.I.Sta. 26+69.59  
 N = 726824.4073  
 E = 2180718.0028  
 Δ = 4° 22' 00" (RT)  
 Dc = 2° 00' 00"  
 R = 2,864.79'  
 T = 109.22'  
 L = 218.33'  
 E = 2.08'  
 C = 218.28'  
 C.B. = N 82° 15' 24" E

| Survey Control Points |             |              |           |         |                      |           |         |
|-----------------------|-------------|--------------|-----------|---------|----------------------|-----------|---------|
| Point Number          | Northing    | Easting      | Elevation | Feature | Description          | Station   | Offset  |
| SV3                   | 726743.6640 | 2181169.8450 | 871.845   | CNPT    | 1" Rebar w/cap       | 31+11.38  | 124.14  |
| SV2                   | 726439.0140 | 2181301.0020 | 884.150   | CNPT    | 1" Rebar w/cap       | 32+12.40  | 440.06  |
| SV1                   | 726447.1130 | 2181365.9720 | 884.028   | CNPT    | 1" Rebar w/cap       | 32+77.85  | 438.30  |
| Survey Points Found   |             |              |           |         |                      |           |         |
| SV5006                | 726795.5770 | 2180343.6190 | 863.589   | IPIN    | Iron Pin Found       | 22+95.84  | -36.14  |
| SV5007                | 726916.2070 | 2180351.7950 | 872.227   | IPID    | Iron Pin & Cap Found | 23+24.69  | -153.55 |
| SV5001                | 726729.9390 | 2180421.9860 | 864.587   | IPIN    | Iron Pin Found       | 23+61.72  | 42.03   |
| SV5005                | 726831.0480 | 2180507.6610 | 866.946   | IPIN    | Iron Pin Found       | 24+63.54  | -42.80  |
| SV5004                | 726839.1350 | 2180581.6890 | 869.752   | IPIN    | Iron Pin Found       | 25+37.86  | -38.01  |
| SV5002                | 726782.5950 | 2180702.3670 | 872.885   | IPIN    | Iron Pin Found       | 26+48.13  | 37.16   |
| SV5003                | 727074.8870 | 2180912.4970 | 895.716   | IPID    | Iron Pin & Cap Found | 28+87.33  | -230.46 |
| SV5008                | 726830.1600 | 2180942.0280 | 877.499   | IPIN    | Iron Pin Found       | 28+93.02  | 15.98   |
| SV5012                | 726935.5020 | 2181423.2510 | 865.540   | IPIN    | Iron Pin Found       | 33+82.18  | -42.24  |
| Survey Points Set     |             |              |           |         |                      |           |         |
| SV2006                | 726658.4430 | 2179557.9830 | 853.375   | IPINS   | Iron Pin Set         | 703+93.57 | -36.49  |
| SV2005                | 726700.6490 | 2180229.2300 | 860.028   | IPINS   | Iron Pin Set         | 710+62.04 | 37.65   |
| SV2007                | 726860.6880 | 2180764.2580 | 874.688   | MAGS    | Mag Nail Set         | 27+19.70  | -32.24  |
| SV2004                | 726826.0820 | 2181110.7280 | 871.280   | MAGS    | Mag Nail Set         | 30+60.53  | 36.38   |

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**UTILITIES**

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

STORM, SANITARY AND WATER VILLAGE OF NEW CONCORD WATER/SEWER DEPARTMENT 2 WEST MAIN STREET NEW CONCORD, OHIO 43762 (740) 826-7677

GAS COLUMBIA GAS OF OHIO 98 STEUBENVILLE AVENUE CAMBRIDGE, OHIO 43727 (800) 344-4077

TELEPHONE FRONTIER TELEPHONE COMPANY 9444 CAMPBELL STREET CAMBRIDGE, OHIO 43725 (740) 432-6961

AT&T OHIO 160 NORTH SIXTH STREET ZANESVILLE, OHIO 43701 (740) 607-9795

ELECTRIC AEP OHIO 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 (614) 883-6829

AEP TRANSMISSION 700 MORRISON ROAD GAHANNA, OHIO 43230 (614) 552-1801

AEP SOLUTION CENTER (800) 277-2177

CABLE TIME WARNER CABLE TV 3760 INTERCHANGE DRIVE COLUMBUS, OHIO 43201 (614) 481-5262

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C. LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES SHOWN IN THE PLANS IS APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AND ELEVATION WHEN WORKING IN THEIR VICINITY.

LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL UTILITY LINES, SERVICES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED WITH THE PRICE BID FOR THE PERTINENT ITEM, UNLESS OTHERWISE NOTED ON THE PLANS.

**UTILITY INTERFERENCE**

DURING CONSTRUCTION, IF INTERFERENCE ARISES WITH EXISTING UTILITIES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE AT THE EXPENSE OF THE RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST SEVEN (7) DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THE PLANS.

**SURVEYS**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION.

**MODIFICATIONS**

ANY MODIFICATIONS OR CHANGES TO THE WORK, AS SHOWN ON THE DRAWINGS, MUST HAVE PRIOR WRITTEN APPROVAL BY THE VILLAGE OF NEW CONCORD ADMINISTRATOR.

**SAFETY**

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

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURING THE PROJECT SITE FROM THE GENERAL PUBLIC BOTH DURING AND AFTER WORKING HOURS. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL LIGHTS, SIGNS, FENCES OR ANY OTHER SAFETY DEVICE TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS ON THE PROJECT SITE. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS BID FOR FURNISHING AND INSTALLING MATERIALS ON THIS PROJECT.

**REVIEW OF PROJECT SITE**

PRIOR TO BIDDING, THE CONTRACTOR SHALL, BY PERSONAL EXAMINATION, SATISFY THEMSELVES AS TO THE LOCATION OF THE PROPOSED WORK AND TO ACQUAINT THEMSELVES THOROUGHLY WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT ARE LIKE TO BE ENCOUNTERED IN THE PERFORMANCE OF THE PROPOSED WORK.

**IRON PINS AND MONUMENTS**

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS AND MONUMENTS BEFORE EXCAVATING AT OR NEAR THEM. IF ANY IRON PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR EMPLOYED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT AND AT NO EXPENSE TO THE VILLAGE, STATE OR PROPERTY OWNER.

**PRECONSTRUCTION CONFERENCE**

A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CONTRACTOR, THE VILLAGE OF NEW CONCORD, PROJECT ENGINEER AND THE STATE BEFORE ANY CONSTRUCTION BEGINS. AT THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE REFLECTING ALL WORK THAT IS TO BE CONDUCTED.

**CONSTRUCTION STAKING**

ALL CONSTRUCTION STAKING SHALL BE DONE BY OR UNDER THE DIRECTION OF A PROFESSIONAL REGISTERED SURVEYOR.

**SANITARY FACILITIES**

THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKERS AND INSPECTORS FOR THE DURATION OF THE WORK.

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED AS DIRECTED BY THE ENGINEER, UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED IN THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

**USE OF FIRE HYDRANTS**

THE CONTRACTOR IS HEREBY NOTIFIED THAT THE USE OF FIRE HYDRANTS WILL NOT BE PERMITTED AND THAT THE USE OF FIRE HYDRANTS WILL RESULT IN THE CONTRACTOR'S PROSECUTION FOR THEFT OF A PUBLIC UTILITY. THE CONTRACTOR SHALL COORDINATE WITH THE DIVISION OF WATER TO ACCESS THE VILLAGE'S WATER SUPPLY.

**EMERGENCY PHONE NUMBER**

THE CONTRACTOR SHALL PROVIDE THE VILLAGE OF NEW CONCORD WITH A 24-HOUR TELEPHONE NUMBER TO READILY CONTACT A RESPONSIBLE PARTY IN THE CASE OF AN EMERGENCY. COSTS AND/OR DAMAGES INCURRED RELATED TO WORK PERFORMED BY THE CONTRACTOR IN SUCH EMERGENCIES ARE THE CONTRACTOR'S RESPONSIBILITY AND NOT THAT OF THE VILLAGE.

**INCLUSIVE BID**

THE CONTRACTOR'S BID SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT. COMPENSATION FOR ANY WORK WHICH DOES NOT HAVE A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE PRICE BID FOR THE INDIVIDUAL ITEMS.

**WEEKEND AND HOLIDAY WORK**

NO WORK SHALL BE PERMITTED ON WEEKENDS OR ON VILLAGE OF NEW CONCORD OBSERVED HOLIDAYS WITHOUT THE PRIOR, WRITTEN APPROVAL OF THE VILLAGE ADMINISTRATOR. IF THE CONTRACTOR NEEDS TO WORK ON A WEEKEND OR HOLIDAY, THEY SHALL SUBMIT A REQUEST STATING THE REASONS FOR WORKING THOSE DAYS TO THE VILLAGE ADMINISTRATOR A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WEEKEND OR HOLIDAY.

**ELEVATION DATUM**

ALL ELEVATIONS ARE BASED ON NAVD 88 OHIO STATE PLANE SOUTH ZONE.

**ESTIMATED QUANTITIES**

THE QUANTITIES LISTED IN THE GENERAL SUMMARY ARE APPROXIMATE ONLY, AND SHALL BE USED FOR DETERMINING THE TOTAL AMOUNTS OF BIDS FOR PURPOSE OF DETERMINING THE LOWEST AND BEST BIDDER. THE QUANTITIES MAY BE INCREASED OR DIMINISHED AT THE OPTION OF THE ENGINEER.

**NON-RUBBER TIRE VEHICLES**

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

**RIGHT-OF-WAY**

IN ADDITION TO DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY, INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS OF ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY. THE CONTRACTOR SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT HE WRITTEN CONSENT OF THE OWNER.

**WORK LIMITS**

THE CONTRACTOR SHALL CONFINE THEIR ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHT-OF-WAY, CONSTRUCTION AND/OR PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER.

**WORK IN RIGHT-OF-WAY**

NO MATERIALS, INCLUDING PIPE, SHALL BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN 100 FEET OF ANY INTERSECTING STREET, ALLEY, OR DRIVEWAY, DURING NON-WORKING HOURS. STORAGE OF EQUIPMENT SHALL COMPLY WITH THESE SAME REQUIREMENTS. COMPLIANCE WITH THESE REQUIREMENTS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC.

THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION IN ACCORDANCE WITH CMS 203.01.

ALL EXCAVATED MATERIAL SHALL BE WORKED IN SUCH A MANNER THAT WILL NOT ENDANGER THE WORK NOR OBSTRUCT WALKS AND DRIVEWAYS, HYDRANTS UNDER PRESSURE, VALVE PITS, MANHOLE COVERS, VALVE BOXES, INLETS, FIRE AND POLICE CALL BOXES OR OTHER UTILITIES. GUTTERS SHALL BE KEPT CLEAR OR OTHER SATISFACTORY PROVISIONS MADE FOR STREET DRAINAGE, AND NATURAL WATER COURSES SHALL NOT BE OBSTRUCTED. THE FINAL TRIMMING OF THE BOTTOM AND SIDE OF THE EXCAVATION AGAINST WHICH MASONRY IS TO BE BUILT, SHALL BE DONE JUST BEFORE THE CONCRETE IS PLACED.

ROADWAY, STORM DRAINAGE, I.E. DITCHES, PIPES AND CULVERTS, SHALL NOT BE OBSTRUCTED DURING CONSTRUCTION. TEMPORARY EROSION AND SEDIMENTATION MEASURES ARE TO BE INSTALLED AND MAINTAINED BY THE CONTRACTOR TO PREVENT SILTATION OF DRAINAGE DITCHES, SEWERS AND CULVERTS.

THE WORK OF THIS CONTRACT SHALL NOT INTERFERE WITH THE CONTINUOUS FLOW IN, OR THE OPERATION OF, THE EXISTING SANITARY SEWER, WATER LINES, POWER, TELEPHONE, CABLE T.V., GAS OR ANY OTHER SYSTEM THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL POLES AND RELOCATING ANY UTILITY THAT IMPEDES CONSTRUCTION. NOTHING SHALL BE DONE BY ANY OTHER CONTRACTOR FOR THIS PROJECT WHICH WILL IN ANY WAY REDUCE THE QUALITY OR QUALITY LEVEL OF SUCH OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE VILLAGE ADMINISTRATOR ONE (1) WEEK PRIOR TO MODIFYING ANY FACILITIES. NO PAYMENT WILL BE MADE FOR ANY UTILITY MAINTENANCE UNLESS SPECIFICALLY NOTED AS A BID ITEM IN THE PROPOSAL.

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GENERAL NOTES

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**RESTORATION**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY IN ACCORDANCE WITH CMS 107.10.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT HIS OWN EXPENSE. ALL SAID WORK IS TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE VILLAGE OF NEW CONCORD. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.

WHEN ROAD OR STREET NAME SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION IN A MANNER SATISFACTORY TO, AND AS DIRECTED BY THE ENGINEER. AFTER COMPLETION OF CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL ERECT THE ROAD OR STREET NAME SIGNS AND SUPPORTS IN A PERMANENT LOCATION IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

**CLEAN UP**

THE TRACKING OF MUD, DIRT, DEBRIS OR OTHER SPILLAGE OF SAME UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. AT THE END OF THE DAY, THE CONTRACTOR SHALL CLEAN UP AND DISPOSE OF ALL DEBRIS AND MATERIAL RESULTING FROM THEIR OPERATION AND RESTORE ALL SURFACES AND STRUCTURES TO THEIR ORIGINAL CONDITION.

THE CONTRACTOR SHALL MAINTAIN THE PROJECT IN A PRESENTABLE CONDITION IN ACCORDANCE WITH CMS 104.04.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCT-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**US MAIL DELIVERY**

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE US MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS.

**WEATHER CONDITIONS**

ALL CONSTRUCTION AND MATERIAL USAGE SHALL BE IN ACCORDANCE WITH CLIMATIC CONDITIONS ADDRESSED IN CURRENT ISSUE OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

**PERMITS**

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS.

**NOTIFICATION OF CONSTRUCTION**

PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH, AND SUBMIT A CONSTRUCTION SCHEDULE TO THE VILLAGE ADMINISTRATOR, SECURE ALL NECESSARY LICENSES AND PERMITS, AND PAY ANY INSPECTION FEES. TAPS OR CONNECTION INTO ANY VILLAGE OWNED LINE (SANITARY SEWER, STORM SEWER, WATER LINE AND/OR GAS LINE) SHALL NOT BE MADE UNTIL THE REQUIRED TAP PERMIT HAS BEEN OBTAINED.

THE CONTRACTOR SHALL NOTIFY THE VILLAGE WHEN, NECESSITATED BY CONSTRUCTION, ONE-WAY TRAFFIC FLOW ON STATE ROUTE 83 MAY BE ESTABLISHED. A TRAFFIC LANE AT LEAST 12 FEET WIDE SHALL BE PROVIDED WITH TRAFFIC FLOW CONTROLLED BY AT LEAST TWO FLAGGERS. TRAFFIC CONTROL DEVICES SHALL BE PLACED TO LIMIT TRAFFIC TO ONE LANE IN ACCORDANCE WITH THE OHIO MANUAL AND ODOT STANDARD DRAWING MT 97.10 IN NO CASE WILL ONE-WAY FLOW BE PERMITTED UNTIL ADEQUATE TRAFFIC CONTROL DEVICES AND FLAGGERS ARE IN PLACE AND APPROVED BY THE ENGINEER. THE ONE-WAY TRAFFIC OPERATION SHALL BE LIMITED TO DAYLIGHT HOURS ONLY. THE ROAD SHALL BE REOPENED TO TWO-WAY TRAFFIC FLOW AT NIGHT AND AT ALL TIMES WHEN THE CONTRACTOR IS NOT WORKING SUCH AS WEEKENDS, HOLIDAYS, OR WHEN WORK IS SUSPENDED DUE TO WEATHER CONDITIONS.

THE CONTRACTOR SHALL NOTIFY THE VILLAGE ADMINISTRATOR'S OFFICE A MINIMUM OF TWO (2) DAYS BEFORE BEGINNING WORK, HOLIDAYS AND WEEKENDS EXCLUDED. WHEN THE CONTRACTOR SUSPENDS OPERATIONS FOR TWO (2) OR MORE WORKING DAYS, THEY SHALL NOTIFY THE VILLAGE ADMINISTRATOR A MINIMUM OF TWENTY-FOUR (24) HOURS BEFORE RESUMING WORK.

TWENTY-FOUR (24) HOUR ADVANCE NOTIFICATION IS REQUIRED FOR ALL WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY VILLAGE DEPARTMENTS.

AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UTILITY FACILITY SHOWN IN THE PLANS. THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN FORTY-EIGHT (48) HOURS AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

THE UTILITY PROTECTION SERVICE IS THE OHIO UTILITY PROTECTION SERVICE (1-800-362-2764).

**NATIONAL REGISTER OF HISTORIC PLACES LISTED FOX 'S' BRIDGE**

THE CONTRACTOR MAY NOT USE THE NATIONAL REGISTER OF HISTORIC PLACES LISTED FOX 'S' BRIDGE PROPERTY FOR STAGING, EQUIPMENT OR MATERIAL STORAGE, MATERIAL WASTE OR ANY OTHER TYPE OF WORK THAT IS NOT INCLUDED IN THE CONSTRUCTION PLANS.

**WATERWAY PERMITS**

THE PROJECT DOES NOT REQUIRE THE PLACEMENT OF ANY TEMPORARY OR PERMANENT FILLS BELOW THE ORDINARY HIGH WATER ELEVATION OF FOX CREEK, THEREFORE, A SECTION 404 PERMIT FROM THE U.S. ARMY CORPS OF ENGINEERS HAS NOT BEEN OBTAINED. THE CONTRACTOR SHALL NOT PLACE, OR ALLOW ANY MATERIALS TO BE PLACED, IN FOX CREEK.

**REVIEW OF DRAINAGE FACILITIES**

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

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

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

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

**RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS**

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

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51 OR 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

603, 4" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION 100 FT.  
603, 4" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 100 FT.

**ITEM SPECIAL. TRASH RECEPTACLE**

TRASH RECEPTACLES SHALL BE FROM THE T OR STEELSTIES SERIES AS MANUFACTURED BY VICTOR STANLEY, OR APPROVED EQUAL. THE ACTUAL LOCATIONS FOR THE RECEPTACLES WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF DELIVERY. THE FINAL MODEL NUMBER AND COLOR WILL BE CHOSEN BY THE CITY UPON REVIEW OF SAMPLES PROVIDED BY THE MANUFACTURER AND CONTRACTOR. THE TRASH RECEPTACLES SHALL NOT BE ORDERED UNTIL APPROVED.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS WORK:

ITEM SPECIAL, TRASH RECEPTACLE 4 EACH

**ITEM SPECIAL. BENCH**

BENCHES SHALL BE MODEL CR-196, 6 FOOT IN LENGTH, AS MANUFACTURED BY VICTOR STANLEY, OR APPROVED EQUAL. THE ACTUAL LOCATIONS FOR THE RECEPTACLES WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF DELIVERY. THE COLOR WILL BE CHOSEN BY THE CITY UPON REVIEW OF SAMPLES PROVIDED BY THE MANUFACTURER AND CONTRACTOR. THE BENCHES SHALL NOT BE ORDERED UNTIL APPROVED.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS WORK:

ITEM SPECIAL, 6 FOOT BENCH 4 EACH

**ITEM SPECIAL. DECORATIVE CROSSWALK**

THIS ITEM SHALL CONSIST OF FURNISHING AND PLACING A DECORATIVE STAMPED CONCRETE CROSSWALK AT THE LOCATIONS SHOWN IN THE PLANS. THE DEPTH OF EXCAVATION FOR THE CROSSWALK SHALL BE APPROXIMATELY 13 INCHES. CLASS QC FS CONCRETE PER CMS 499 SHALL BE USED, BRINGING THE TOP OF CONCRETE SURFACE TO THE ELEVATION OF THE ADJOINING PAVEMENT. ALL EXISTING CONCRETE BASE SHALL BE REMOVED PRIOR TO PLACEMENT OF NEW CONCRETE.

THE CONCRETE SHALL BE STAMPED AND COLORED. THE COLOR SHALL BE BRICK RED AND BE ACCOMPLISHED BY BLENDING/MIXING COLORING AGENT WITHIN THE CONCRETE. THE TEXTURE SHALL BE A BRICK PATTERN SELECTED AND APPROVED BY THE VILLAGE. THE CONTRACTOR SHALL PROVIDE THE VILLAGE WITH SAMPLES OF THE COLOR AND PATTERN FOR REVIEW. CONCRETE SHALL NOT BE ORDERED UNTIL APPROVED BY THE VILLAGE IN WRITING. VILLAGE CONTACT INFORMATION IS LISTED BELOW:

CHARLOTTE COLLEY, VILLAGE ADMINISTRATOR, VILLAGE HALL, 2 WEST MAIN STREET, P.O. BOX 10, NEW CONCORD, OH 43762.  
PH: 740-826-7671, E-MAIL: CCOLLEY@NEWCONCORD-OH.GOV

THE COLORED CONCRETE SHALL BE DOWELED INTO THE ADJACENT EXISTING CONCRETE BASE PER STANDARD DRAWING BP-2.1. PART-WIDTH CONSTRUCTION SHALL BE UTILIZED WITH CONSTRUCTION JOINTS CONFORMING TO STANDARD DRAWING BP-2.2. THE LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE AT THE APPROVAL OF THE ENGINEER AND LOCATED OUTSIDE VEHICLE WHEEL PATHS.

PAYMENT SHALL BE AT THE UNIT PRICE BID AND INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ITEM.

**ITEM SPECIAL. RECORD CONSTRUCTION DRAWINGS**

THE CONTRACTOR SHALL PREPARE AND MAINTAIN A SET OF RECORD CONSTRUCTION DRAWINGS AS WORK ON THE PROJECT PROGRESSES. THE RECORD DRAWINGS SHALL DOCUMENT ALL DEVIATIONS FROM THE ORIGINAL DRAWINGS AS WELL AS THE LOCATION AND EXTENT OF ANY UNFORSEEN CONDITIONS OR OBSTRUCTIONS. THE RECORD CONDITIONS SHALL BE SHOWN IN RED AND ANY PLAN CHANGES SHALL BE OUTLINED. THE CONTRACTOR SHALL BRING THE RECORD DRAWINGS TO ALL CONSTRUCTION PROGRESS MEETINGS FOR REVIEW.

THE CONTRACTOR SHALL COMPLETE AND SUBMIT TWO (2) COPIES OF THE RECORD DRAWINGS TO THE VILLAGE FOR REVIEW UPON SUBSTANTIAL COMPLETION OF THE PROJECT. THE VILLAGE WILL WITHHOLD THE FINAL PAYMENT TO THE CONTRACTOR UNTIL THE RECORD DRAWINGS HAVE BEEN SUBMITTED. FINAL RECORD DRAWINGS SHALL CONTAIN THE FOLLOWING:

A) LOCATIONS OF ALL PULL BOXES, LIGHTS POLES AND FOUNDATIONS B) LOCATIONS OF ALL POWER SERVICE CONNECTIONS; AND C) IDENTIFY ALL FIELD MODIFICATIONS TO THE APPROVED PLAN SET.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS WORK:

ITEM SPECIAL, RECORD CONSTRUCTION DRAWINGS LUMP

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**ITEM 614. MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. ALL LANES IN BOTH DIRECTIONS SHALL BE OPEN TO TRAFFIC DURING NON-WORKING HOURS.

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

WHEN NECESSITATED BY CONSTRUCTION, ONE-WAY TRAFFIC FLOW ON STATE ROUTE 83 MAY BE ESTABLISHED. A TRAFFIC LANE AT LEAST 12 FEET WIDE SHALL BE PROVIDED WITH TRAFFIC FLOW CONTROLLED BY AT LEAST TWO FLAGGERS. TRAFFIC CONTROL DEVICES SHALL BE PLACED TO LIMIT TRAFFIC TO ONE LANE IN ACCORDANCE WITH THE OHIO MANUAL AND ODOT STANDARD DRAWING MT 97.10. IN NO CASE WILL ONE-WAY FLOW BE PERMITTED UNTIL ADEQUATE TRAFFIC CONTROL DEVICES AND FLAGGERS ARE IN PLACE AND APPROVED BY THE ENGINEER. THE ONE-WAY TRAFFIC OPERATION SHALL BE LIMITED TO DAYLIGHT HOURS ONLY. THE ROAD SHALL BE REOPENED TO TWO-WAY TRAFFIC FLOW AT NIGHT AND AT ALL TIMES WHEN THE CONTRACTOR IS NOT WORKING SUCH AS WEEKENDS, HOLIDAYS, OR WHEN WORK IS SUSPENDED DUE TO WEATHER CONDITIONS.

WHEN EXISTING SIGNAL AT US22 / SR83 INTERSECTION CONFLICTS WITH TRAFFIC OPERATIONS THE SIGNAL SHALL BE SHUT OFF AND TRAFFIC SHALL BE DIRECTED WITH THE VILLAGE POLICE SERVICES AT APPROVAL OF ENGINEER.

THE CONTRACTOR SHALL MAINTAIN TWO-WAY THROUGH TRAFFIC AT ALL OTHER TIMES OF ROAD CONSTRUCTION NOT PREVIOUSLY MENTIONED. DURING PERIODS WHERE TWO WAY-TRAFFIC IS MAINTAINED, THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN THE FOLLOWING SIGNS IN ACCORDANCE WITH ODOTCD:

- A) "ROAD WORK AHEAD" (W20-1)
- B) "END ROAD WORK" (G20-2)

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF VIEW OF TRAFFIC. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN PROPER POSITION, CLEAN, LEGIBLE AND IN GOOD WORKING CONDITION AT ALL TIMES.

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

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B 100 CU. YD.  
ITEM 616, WATER 50 M. GAL

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM, 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**ITEM 614. LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN**

WHEN THE CONTRACTOR REQUIRES THE SERVICES OF A SPECIAL DUTY POLICE OFFICER, WITH OR WITHOUT A VILLAGE POLICE CRUISER, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH THE VILLAGE OF NEW CONCORD POLICE DEPARTMENT (740-826-7616). ONE (1) WEEK NOTICE SHOULD BE PROVIDED TO ENSURE THE AVAILABILITY OF A SPECIAL DUTY POLICE OFFICER. ANY RESULTING DELAY TO THE PROJECT DUE TO THE UNAVAILABILITY OF A SPECIAL DUTY POLICE OFFICER SHALL NOT BE THE RESPONSIBILITY OF THE VILLAGE. SPECIAL DUTY POLICE OFFICERS SHALL BE CONSIDERED AS EMPLOYEES OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT.

LAW ENFORCEMENT OFFICER WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON AN HOURLY BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN 50 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF THE LAW ENFORCEMENT OFFICER WITH PATROL CAR ARE INCLUDED WITH THE UNIT BID PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICE WITH PATROL CAR FOR ASSISTANCE.

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MAINTENANCE OF TRAFFIC NOTES

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| SHEET NUMBER |     |     |       |  |                   | PARTICIPATION |  | ITEM    | ITEM EXT. | GRAND TOTAL | UNIT  | DESCRIPTION   | SEE SHEET NO. |
|--------------|-----|-----|-------|--|-------------------|---------------|--|---------|-----------|-------------|-------|---|---------------|
| 4            | 5   | 7   | 10    |  | 01/ ENH/ OT/ NEWC |               |  |         |           |             |       |   |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>ROADWAY</b>  |               |
|              |     | 220 |       |  |                   | 220           |  | 202     | 23010     | 220         | SQ YD | PAVEMENT REMOVED, ASPHALT   |               |
|              |     | 220 |       |  |                   | 220           |  | 202     | 23900     | 220         | SQ YD | CONCRETE BASE REMOVED   |               |
|              |     | 220 |       |  |                   | 220           |  | 204     | 10000     | 220         | SQ YD | SUBGRADE COMPACTION   |               |
|              |     | 479 |       |  |                   | 479           |  | 255     | 20000     | 479         | FT    | FULL DEPTH PAVEMENT SAWING  |               |
| 4            |     |     |       |  |                   | 4             |  | SPECIAL | 68014550  | 4           | EACH  | TRASH RECEPTACLE  | 4             |
| 4            |     |     |       |  |                   | 4             |  | SPECIAL | 68016500  | 4           | EACH  | 6 FOOT BENCH  | 4             |
| LUMP         |     |     |       |  |                   |               |  | SPECIAL | 69020010  | LUMP        | LUMP  | RECORD CONSTRUCTION DRAWINGS  | 4             |
|              |     | 220 |       |  |                   | 220           |  | SPECIAL | 69098300  | 220         | SQ YD | DECORATIVE CROSSWALK  |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>DRAINAGE</b>   |               |
| 100          |     |     |       |  |                   | 100           |  | 611     | 00100     | 100         | FT    | 4" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION                         |               |
| 100          |     |     |       |  |                   | 100           |  | 611     | 00200     | 100         | FT    | 4" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION                         |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>LIGHTING</b>   |               |
|              |     |     | 57    |  |                   | 57            |  | 625     | 00450     | 57          | EACH  | CONNECTION, FUSED PULL APART  |               |
|              |     |     | 19    |  |                   | 19            |  | 625     | 00460     | 19          | EACH  | CONNECTION, UNFUSED PULL APART                                      |               |
|              |     |     | 18    |  |                   | 18            |  | 625     | 00480     | 18          | EACH  | CONNECTION, UNFUSED PERMANENT                                       |               |
|              |     |     | 19    |  |                   | 19            |  | 625     | 10481     | 19          | EACH  | LIGHT POLE, DECORATIVE, AS PER PLAN                                 | 11            |
|              |     |     | 19    |  |                   | 19            |  | 625     | 14000     | 19          | EACH  | LIGHT POLE FOUNDATION, 24" x 6' DEEP                                |               |
|              |     |     | 17075 |  |                   | 17075         |  | 625     | 22990     | 17075       | FT    | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE                               |               |
|              |     |     | 1615  |  |                   | 1615          |  | 625     | 23410     | 1615        | FT    | NO. 12 AWG POLE AND BRACKET CABLE                                   |               |
|              |     |     | 1430  |  |                   | 1430          |  | 625     | 25408     | 1430        | FT    | CONDUIT, 2", 725.051  |               |
|              |     |     | 140   |  |                   | 140           |  | 625     | 25409     | 140         | FT    | CONDUIT, 2", 725.051, AS PER PLAN                                   | 11            |
|              |     |     | 1385  |  |                   | 1385          |  | 625     | 25903     | 1385        | FT    | CONDUIT, JACKED OR DRILLED, 725.04, 3", AS PER PLAN                 |               |
|              |     |     | 19    |  |                   | 19            |  | 625     | 27551     | 19          | EACH  | LUMINAIRE, DECORATIVE, AS PER PLAN                                  |               |
|              |     |     | 1023  |  |                   | 1023          |  | 625     | 29002     | 1023        | FT    | TRENCH, 24" DEEP  |               |
|              |     |     | 225   |  |                   | 225           |  | 625     | 29400     | 225         | FT    | TRENCH IN PAVED AREA  | 11            |
|              |     |     | 4     |  |                   | 4             |  | 625     | 31420     | 4           | EACH  | PULL BOX, 725.06, 17" x 30"   |               |
|              |     |     | 1     |  |                   | 1             |  | 625     | 31430     | 1           | EACH  | PULL BOX, 725.06, 24" x 36"   |               |
|              |     |     | 22    |  |                   | 22            |  | 625     | 32000     | 22          | EACH  | GROUND ROD  |               |
|              |     |     | 1     |  |                   | 1             |  | 625     | 34001     | 1           | EACH  | POWER SERVICE, AS PER PLAN, EAST (MDP-1)                            | 11, 15        |
|              |     |     | 1     |  |                   | 1             |  | 625     | 34001     | 1           | EACH  | POWER SERVICE, AS PER PLAN, WEST (MDP-2)                            | 11, 15        |
|              |     |     | 2092  |  |                   | 2092          |  | 625     | 36000     | 2092        | FT    | PLASTIC CAUTION TAPE  |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>TRAFFIC CONTROL</b>  |               |
|              |     | 459 |       |  |                   | 459           |  | 644     | 00600     | 459         | FT    | CROSSWALK LINE  |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>MAINTENANCE OF TRAFFIC</b>                                       |               |
|              | 100 |     |       |  |                   | 100           |  | 410     | 12000     | 100         | CU YD | TRAFFIC COMPACTED SURFACE, TYPE A OR B                              |               |
|              | 50  |     |       |  |                   | 50            |  | 614     | 1111      | 50          | HOUR  | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN | 5             |
|              | 50  |     |       |  |                   | 50            |  | 616     | 10000     | 50          | M GAL | WATER   |               |
|              |     |     |       |  |                   |               |  |         |           |             |       | <b>INCIDENTALS</b>  |               |
|              |     |     |       |  |                   | LUMP          |  | 614     | 11000     | LUMP        |       | MAINTAINING TRAFFIC   |               |
|              |     |     |       |  |                   | 4             |  | 619     | 16000     | 4           | MONTH | FIELD OFFICE, TYPE A  |               |
|              |     |     |       |  |                   | LUMP          |  | 623     | 10000     | LUMP        |       | CONSTRUCTION LAYOUT STAKES  |               |
|              |     |     |       |  |                   | LUMP          |  | 624     | 10000     | LUMP        |       | MOBILIZATION  |               |

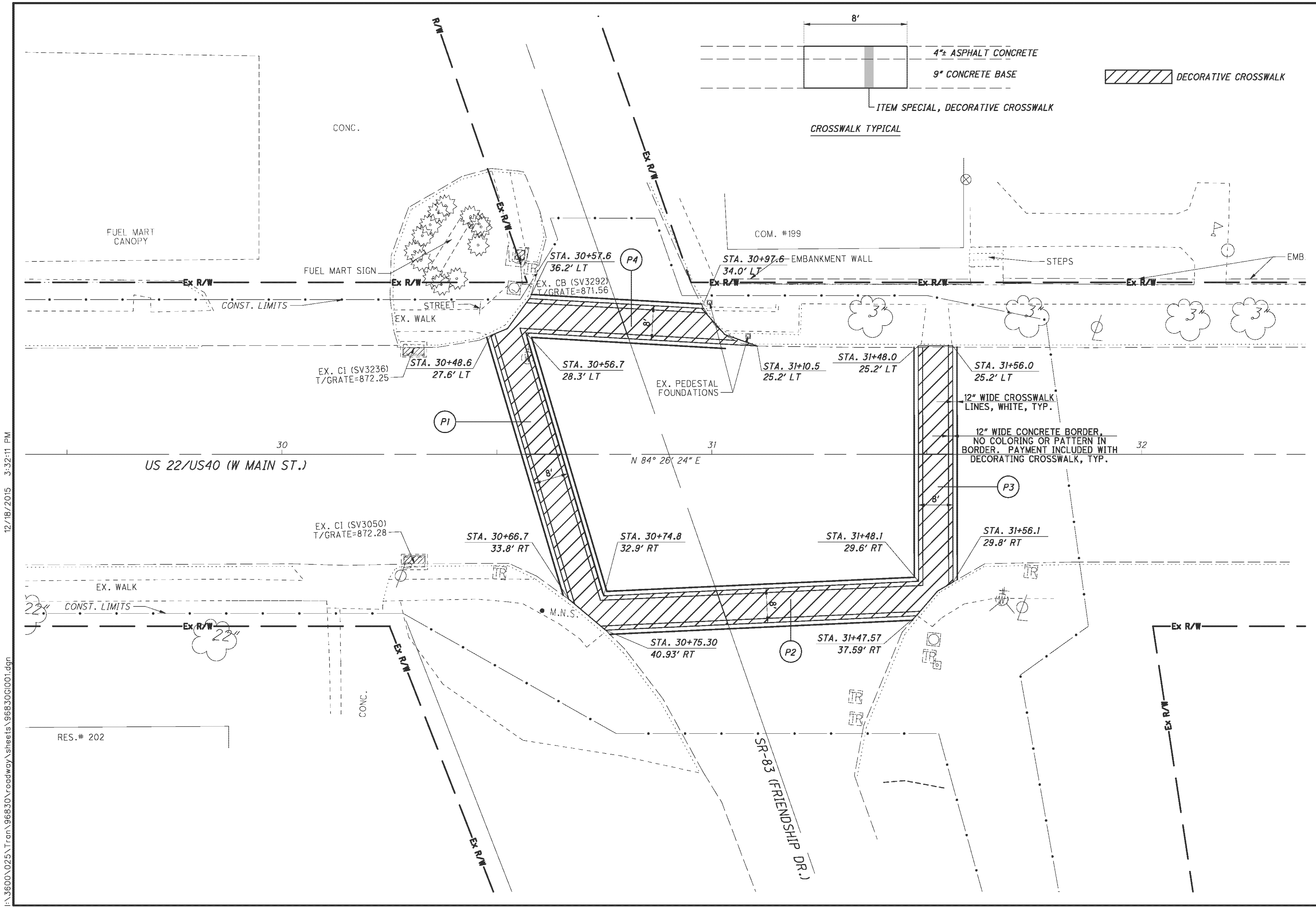
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| GENERAL SUMMARY  |         |   |    |
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| 6  |         |   |    |
| 16   |         |   |    |

| FROM SHEET                       | DESIGNATION | STATION |         | SIDE  | CADD GENERATED AREA | 202                   | 202                       | 204                 |                            | 255                  | SPECIAL        |    | 644        |
|----------------------------------|-------------|---------|---------|-------|---------------------|-----------------------|---------------------------|---------------------|----------------------------|----------------------|----------------|----|------------|
|                                  |             | FROM    | TO      |       |                     | CONCRETE BASE REMOVED | PAVEMENT REMOVED, ASPHALT | SUBGRADE COMPACTION | FULL DEPTH PAVEMENT SAWING | DECORATIVE CROSSWALK | CROSSWALK LINE |    |            |
|                                  |             |         |         |       |                     | SQ FT                 | SQ YD                     | SQ YD               | SQ YD                      | FT                   | SQ YD          | FT |            |
| 8                                | P1          | 30+48.6 | 30+74.8 | LT&RT | 509                 | 57                    | 57                        | 57                  |                            | 128                  | 57             |    | 124        |
| 8                                | P2          | 30+66.7 | 31+56.1 | RT    | 646                 | 72                    | 72                        | 72                  |                            | 146                  | 72             |    | 142        |
| 8                                | P3          | 31+56.1 | 31+56.0 | LT&RT | 437                 | 49                    | 49                        | 49                  |                            | 110                  | 49             |    | 108        |
| 8                                | P4          | 30+48.6 | 31+10.5 | LT    | 380                 | 42                    | 42                        | 42                  |                            | 95                   | 42             |    | 85         |
| <b>TOTALS TO GENERAL SUMMARY</b> |             |         |         |       |                     | <b>220</b>            | <b>220</b>                | <b>220</b>          |                            | <b>479</b>           | <b>220</b>     |    | <b>459</b> |

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**SUBSUMMARY**

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| REF.                              | SHEET NO. | STATION |         | SIDE  | CONNECTION, FUSED PULL APART | CONNECTION, UNFUSED PULL APART | CONNECTION, UNFUSED PERMANENT | LIGHT POLE DECORATIVE, AS PER PLAN | LIGHT POLE FOUNDATION, 24" X 6' DEEP | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | NO. 12 AWG. POLE AND BRACKET CABLE | CONDUIT, 2", 725.051 | CONDUIT, 2", 725.051, AS PER PLAN | EACH   |  |                 |                      |  |  |            |  |  |                      |  |    | FT. |   |      |
|-----------------------------------|-----------|---------|---------|-------|------------------------------|--------------------------------|-------------------------------|------------------------------------|--------------------------------------|---------------------------------------|------------------------------------|----------------------|-----------------------------------|--|--|-----------------|----------------------|--|--|------------|--|--|----------------------|--|----|-----|---|------|
|                                   |           | FROM    | TO      |       |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   | CONDUIT, JACKED OR DRILLED, 725.051, 3", AS PER PLAN | LUMINAIRE, DECORATIVE, 100 WATT LED, AS PER PLAN | TRENCH 24" DEEP | TRENCH IN PAVED AREA | PULL BOX, 725.06, 17"x30", AS PER PLAN | PULL BOX, 725.06, 24"x36", AS PER PLAN | GROUND ROD | POWER SERVICE, AS PER PLAN, EAST (MDP-1) | POWER SERVICE, AS PER PLAN, WEST (MDP-2) | PLASTIC CAUTION TAPE |  |    |     |   |      |
| L1                                | 14        | 28+00   | 28+84   | LT    |                              |                                |                               |                                    |                                      | 600                                   |                                    | 90                   |                                   |  |  |                 |                      |  |  |            |  |  |                      |  |    | 84  |   |      |
| L2                                | 14        |         | 28+84   | LT    | 3                            | 1                              |                               | 1                                  | 1                                    |                                       | 85                                 |                      |                                   |  |  |                 | 1                    |  |  |            |  |  |                      |  | 1  |     |   |      |
| L3                                | 14        | 28+84   | 29+81.8 | LT    |                              |                                |                               |                                    |                                      | 730                                   |                                    |                      |                                   |  | 110  |                 |                      |  |  |            |  |  |                      |  |    | 100 |   |      |
| L4                                | 14        |         | 29+81.8 | LT    | 3                            | 1                              |                               | 1                                  | 1                                    |                                       | 85                                 |                      |                                   |  |  |                 | 1                    |  |  |            |  |  |                      |  | 1  |     |   |      |
| L5                                | 14        | 29+81.8 | 30+48   | LT    |                              |                                |                               |                                    |                                      | 600                                   |                                    | 20                   |                                   |  | 70   |                 |                      |  |  |            |  |  |                      |  |    | 77  |   |      |
| L6                                | 14        |         | 30+48   | LT    |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   |  |  |                 |                      | 1                                      |  |            |  |  |                      |  |    |     |   |      |
| L7                                | 14        |         | 28+29.2 | RT    | 3                            | 1                              |                               | 1                                  | 1                                    |                                       | 85                                 |                      |                                   |  |  |                 | 1                    |  |  |            |  |  |                      |  | 1  |     |   |      |
| L8                                | 14        | 28+29.2 | 29+49.1 | RT    |                              |                                |                               |                                    |                                      | 860                                   |                                    | 110                  |                                   |  | 20   |                 |                      | 110                                    |  |            |  |  |                      |  |    | 120 |   |      |
| L9                                | 14        |         | 29+49.1 | RT    | 3                            | 1                              |                               | 1                                  | 1                                    |                                       | 85                                 |                      |                                   |  |  |                 | 1                    |  |  |            |  |  |                      |  | 1  |     |   |      |
| L10                               | 14        | 29+49.1 | 30+60.2 | RT    |                              |                                |                               |                                    |                                      | 860                                   |                                    | 70                   |                                   |  | 65   |                 |                      | 55                                     |  |            |  |  |                      |  |    | 120 |   |      |
| L11                               | 14        |         | 30+60.2 | RT    | 3                            | 1                              |                               | 1                                  | 1                                    |                                       | 85                                 |                      |                                   |  |  |                 | 1                    |  |  |            |  |  |                      |  | 1  |     |   |      |
| L12                               | 14        | 30+60.2 | 30+62.5 | RT    |                              |                                |                               |                                    |                                      | 115                                   |                                    | 10                   |                                   |  |  |                 |                      | 5                                      |  |            |  |  |                      |  |    | 5   |   |      |
| L13                               | 14        |         | 30+62.5 | RT    |                              |                                | 6                             |                                    |                                      |                                       |                                    |                      |                                   |  |  |                 |                      | 1                                      |  |            |  |  |                      |  |    |     |   |      |
| L14                               | 14        | 30+62.5 | 30+48   | RT-LT |                              |                                |                               |                                    |                                      | 600                                   |                                    |                      |                                   |  | 90   |                 |                      |  |  |            |  |  |                      |  |    |     |   |      |
| L14A                              | 14        | 30+62.5 | 30+48   | RT-LT |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   |  | 90   |                 |                      |  |  |            |  |  |                      |  |    |     |   |      |
| L15                               | 14        | 30+62.5 | 31+54.5 | RT    |                              |                                |                               |                                    |                                      | 860                                   |                                    |                      |                                   |  | 120  |                 |                      |  |  |            |  |  |                      |  |    |     |   |      |
| L15A                              | 14        | 30+62.5 | 31+54.5 | RT    |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   |  | 120  |                 |                      |  |  |            |  |  |                      |  |    |     |   |      |
| L16                               | 14        |         | 31+54.5 | RT    |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   |  |  |                 |                      |  | 1                                      |            |  |  |                      |  |    |     |   |      |
| L17                               | 14        | 31+54.5 | 31+52   | RT    |                              |                                |                               |                                    |                                      | 690                                   |                                    | 125                  |                                   |  |  |                 |                      |  |  |            |  |  |                      |  |    | 120 |   |      |
| L18                               | 14        | 31+54.5 | 31+52   | RT    |                              |                                |                               |                                    |                                      |                                       |                                    |                      | 125                               |  |  |                 |                      |  |  |            |  |  |                      |  |    |     |   |      |
| L19                               | 14        |         | 31+52   | RT    |                              |                                |                               |                                    |                                      |                                       |                                    |                      |                                   |  |  |                 |                      | 120                                    |  |            |  |  |                      |  | 1  | 95  |   |      |
| TOTALS, THIS SHEET                |           |         |         |       | 15                           | 5                              | 6                             |                                    | 5                                    | 5                                     | 5915                               | 425                  |                                   | 425  | 125  |                 | 685                  |  | 5                                      | 394        | 0  | 2  | 1                    |  | 6  | 0   | 1 | 721  |
| TOTALS FROM SHEET 9               |           |         |         |       | 42                           | 14                             | 12                            |                                    | 14                                   | 14                                    | 11160                              | 1190                 |                                   | 1005   | 15   |                 | 700                  |  | 14                                     | 629        | 225                                      | 2  | 0                    |  | 16 | 1   | 0 | 1371 |
| TOTALS CARRIED TO GENERAL SUMMARY |           |         |         |       | 57                           | 19                             | 18                            |                                    | 19                                   | 19                                    | 17075                              | 1615                 |                                   | 1430   | 140  |                 | 1385                 |  | 19                                     | 1023       | 225                                      | 4  | 1                    |  | 22 | 1   | 1 | 2092 |

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LIGHTING SUBSUMMARY SHEET 2 OF 2

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**GENERAL SPECIFICATIONS**

THESE ITEMS ARE SUPPLEMENTAL TO ITEMS 625 AND 725 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. REFERENCE SHALL ALSO BE MADE TO THE STANDARD CONSTRUCTION DRAWINGS LISTED ON THE TITLE SHEET.

**ITEM 625. POWER SERVICE. AS PER PLAN. WEST (MDP-1)**

IN ADDITION TO ITEM 625, POWER SERVICE, THE FOLLOWING IS ADDED:

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS: AMERICAN ELECTRIC POWER CORP. (A.E.P.), ORDER NUMBER: 075971251; CONTACT: BOB MATTHEWS AT 740-435-1014.

ELECTRICAL SERVICE CONDUIT, RISER AND SERVICE CABLES FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE METER SOCKET, 100 AMP, 120/240 VOLT, SINGLE (1) PHASE, THREE (3) WIRE PANELBOARD WITH 60 AMP MAIN BREAKER IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE LIGHTING CONTACTOR MOUNTED IN NEMA 4X STAINLESS STEEL ENCLOSURE. METER SOCKET, PANELBOARD AND LIGHTING CONTACTOR TO BE MOUNTED ON UNISTRUT TYPE SUPPORT SYSTEM WITH 3" GALVANIZED POSTS IN CONCRETE FOUNDATIONS FOR STURDY AND STABLE SUPPORT OF ELECTRICAL EQUIPMENT. REFER TO SHEET 14 FOR POWER SERVICE WEST (MDP-1) LOCATION AND TO ELECTRICAL EQUIPMENT PEDESTAL DETAIL SHEET 17. SERVICE INSTALLATION SHALL BE PER REQUIREMENTS OF AMERICAN ELECTRIC POWER CORP. (A.E.P.).

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SERVICE ENCLOSURE LOCATION AND CONNECTION IN FIELD WITH OWNER AND A.E.P. REPRESENTATIVE. CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY UPON AWARD OF CONTRACT AND SUBMIT APPLICATION FOR SERVICE CONNECTION (WORK ORDER). THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, PAY ALL FEES AND SHALL, AFTER COMPLETION OF THE WORK, SECURE AT HIS EXPENSE A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES THAT HAVE SUCH JURISDICTION. THE VILLAGE OF NEW CONCORD SHALL BE RESPONSIBLE FOR PAYMENT OF A.E.P. FEE'S FOR SERVICE CONNECTION.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, POWER SERVICE, AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. POWER SERVICE. AS PER PLAN. EAST (MDP-2)**

IN ADDITION TO ITEM 625, POWER SERVICE, THE FOLLOWING IS ADDED:

THE POWER SUPPLYING AT THIS LOCATION IS FROM AN EXISTING PEDESTAL MOUNTED COMBINATION 120/240 VOLT, 200 AMP METERED PANELBOARD. THE PANELBOARD HAS A 200 AMP MAIN CIRCUIT BREAKER WITH 1-100 AMP, 2 POLE BREAKER SUPPLYING A TRAFFIC SIGNAL CONTROLLER, 1-20 AMP, BREAKER FOR SIGN LIGHTING, 1-20 AMP SPARE BREAKER AND 4 SPACES.

PROVIDE AND INSTALL A 60 AMP, 2 POLE CIRCUIT BREAKER IN EXISTING PANELBOARD FOR CONNECTION TO NEW LIGHTING PANELBOARD MDP-2. PROVIDE 100 AMP, 120/240 VOLT, SINGLE (1) PHASE, THREE (3) WIRE, MAIN LUG ONLY PANELBOARD IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE LIGHTING CONTACTOR MOUNTED IN NEMA 4X STAINLESS STEEL ENCLOSURE. PANELBOARD AND LIGHTING CONTACTOR TO BE MOUNTED ON UNISTRUT TYPE SUPPORT SYSTEM WITH 3" GALVANIZED POSTS IN CONCRETE FOUNDATIONS FOR STURDY AND STABLE SUPPORT OF ELECTRICAL EQUIPMENT.

PROVIDE CONDUIT AND WIRE AS REQUIRED AND CONNECT THE NEW PANELBOARD TO EXISTING COMBINATION METERED PANELBOARD. REFER TO SHEET 14 FOR POWER SERVICE EAST (MDP-2) FOR LOCATION AND TO ELECTRICAL EQUIPMENT PEDESTAL DETAIL SHEET 15.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SERVICE PEDESTAL LOCATION AS WELL AS CONNECTION IN FIELD WITH OWNER.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, POWER SERVICE, AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. LUMINAIRE. DECORATIVE. 100 WATT LED. AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS

LUMINAIRES FOR DECORATIVE LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES SHALL BE 5LED 5K 100 WATT ARRAY, TRADITIONAL ACORN STYLE WITH TYPE III ASYMMETRIC DISTRIBUTION, GLASS REFRACTOR, NO TRIM AND CLEAR OR NO FINIAL, AUTO-SENSING (120 THRU 277 VOLT) DRIVER, LEAF STYLE HOUSING WITH BLACK FINISH AND PHOTOCONTROL.

HOLOPHANE GRANVILLE II LED #GPD 100 5KAS TB3NCUH, WITH PHOTOMETRIC DISTRIBUTION GVD1005KXX-MT-X\_3N\_XX.ies

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER ITEM 625, LUMINAIRE, DECORATIVE, AS PER PLAN FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. LIGHT POLE DECORATIVE. AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS,

LIGHT POLES SHALL BE AS FOLLOWS:

DECORATIVE LIGHT POLES SHALL BE ALL ALUMINUM, ONE PIECE CONSTRUCTION, 12'-0" HIGH FLUTED SHAFT, WITH CLASSIC 17" DIAMETER TAPERED AND FLUTED BASE WITH BLACK FINISH. COVERED ACCESS HANDHOLE TO BE LOCATED ON SIDEWALK SIDE OF POLE, BLACK FINISH, GALVANIZED STEEL ANCHOR RODS AND BLACK WEATHERPROOF RECEPTACLE WITH IN-USE, WET LOCATION BLACK COVER MOUNTED 138" ABOVE POLE BASE ORIENTED 180° FROM HANDHOLE.

POLES SHALL BE HOLOPHANE WADSWORTH #WDA 12 F4J 17 P07 ABG BK R138C FGJUS.S BK.

POLE ACCESSORIES SHALL INCLUDE THE FOLLOWING ITEMS: TWO (2) 26" BREAK-AWAY BANNER ARMS WITH BLACK FINISH AND FITTINGS TO BE BOLTED TO THE POLE PERPENDICTULAR TO THE ROADWAY 10'-0" ABOVE BASE OF POLE #BA26 B.75 BO CABX

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER ITEM 625, LIGHT POLE DECORATIVE, AS PER PLAN FOR EACH POLE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. PULL BOX. 725.06. BY SIZE. AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS,

PULL BOXES SHALL BE AS FOLLOWS: PULL BOXES SHALL BE OF PRECAST POLYMER CONCRETE CONSTRUCTION TIER 15 BOX AND COVER WITH STACKABLE STRAIGHT SIDE, UL LISTED DESIGN, OPEN BOTTOM AND HEAVY DUTY COVER. PULL BOXES SHALL BE PLACED ON BED OF GRAVEL OR CRUSHED STONE MINIMUM OF 6" DEEP WITH TOP LEVEL WITH SIDEWALK OR PAVEMENT IN WHICH IT IS PLACED. PULL BOXES SHALL BE SIZED AS FOLLOWS:

17" x 30" x 24" DEEP QUAZITE PG1730BA24 WITH COVER PG1730HA00 OR ENGINEER APPROVED EQUAL. 24" x 36" x 24" DEEPQUAZITE PG2436BA24 WITH COVER PG2436HA00 OR ENGINEER APPROVED EQUAL.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, PULL BOX, AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. PULL BOX CLEANED (SEE TEM NOTE 1142-2)**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS.

PULL BOX MISC.: SHALL BE AS FOLLOWS:

OPEN EXISTING PULL BOX AND INSTALL CONDUITS AND WIRE AS REQUIRED FOR INSTALLATION OF NEW LIGHTING CIRCUITS. PULL BOX SHALL BE RETURNED TO STABLE AND LEVEL CONDITION AFTER INSTALLATION OF NEW CONDUITS.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, PULL BOX MISC., WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. CONDUIT 2".725.05 AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONDUIT 2" SHALL BE AS FOLLOWS:

CONDUIT 2", AS PER PLAN SHALL BE PER ODOT'S REQUIREMENT FOR CONDUIT 2", WITH ADDITION OF #12 GALVANIZED STEEL PULL WIRE OR 200 LB. TEST HANDLINE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, CONDUIT 2", AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. CONDUIT. JACKED OR DRILLED. 725.04. 3". AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS.

CONDUIT, JACKED OR DRILLED, 725.04, 3" SHALL BE AS FOLLOWS:

CONDUIT JACKED OR DRILLED, 725.04, 3", AS PER PLAN SHALL BE PER ODOT'S REQUIREMENT FOR CONDUIT JACKED OR DRILLED, 725.04, 3", WITH ADDITION OF #12 GALVANIZED STEEL PULL WIRE OR 200 LB. TEST HANDLINE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH ITEM 625, CONDUIT, JACKED OR DRILLED, 725.04, 3", AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM 625. PLASTIC CAUTION TAPE**

PROVIDE UNDERGROUND CONDUIT PLASTIC WARNING TAPE 12" ABOVE UNDERGROUND CONDUIT FOR THE ENTIRE LENGTH.

**DECORATIVE POLE GROUNDING CONNECTOR**

THE LENGTH OF THE GROUNDING ELECTRODE CONDUCTOR INSIDE THE POLE FROM THE GROUNDING LUG TO THE UNINSULATED COMPRESSION CONNECTOR SHALL BE TWO FEET LONGER THAN THE REMAINING CONDUCTORS, TO ASSURE GROUND CONTINUITY IF THE OTHER CONNECTORS PULL APART IN A KNOCKDOWN.

PAYMENT SHALL BE INCIDENTAL TO THE UNFUSED PERMANENT CONNECTION.

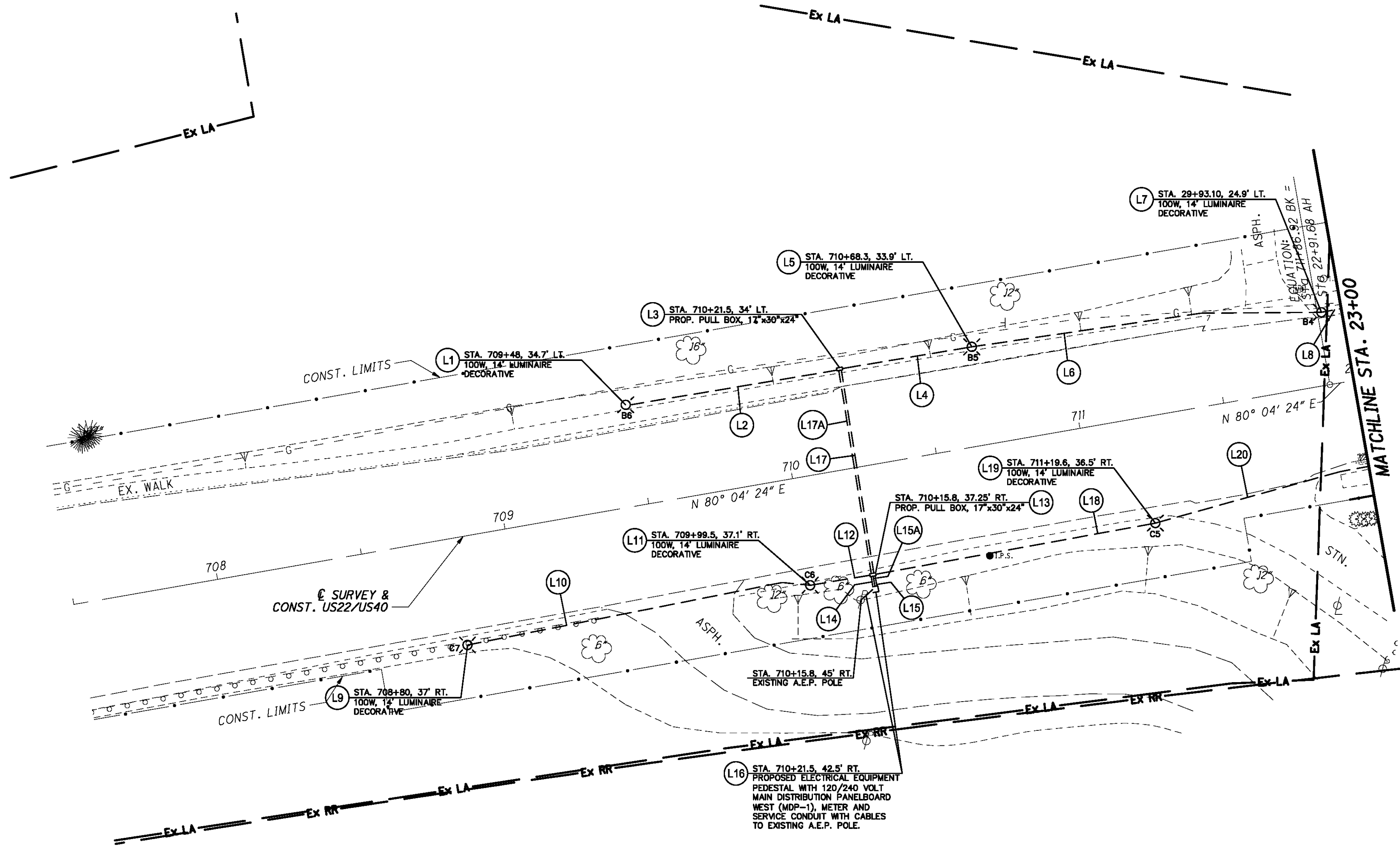
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LIGHTING GENERAL NOTES

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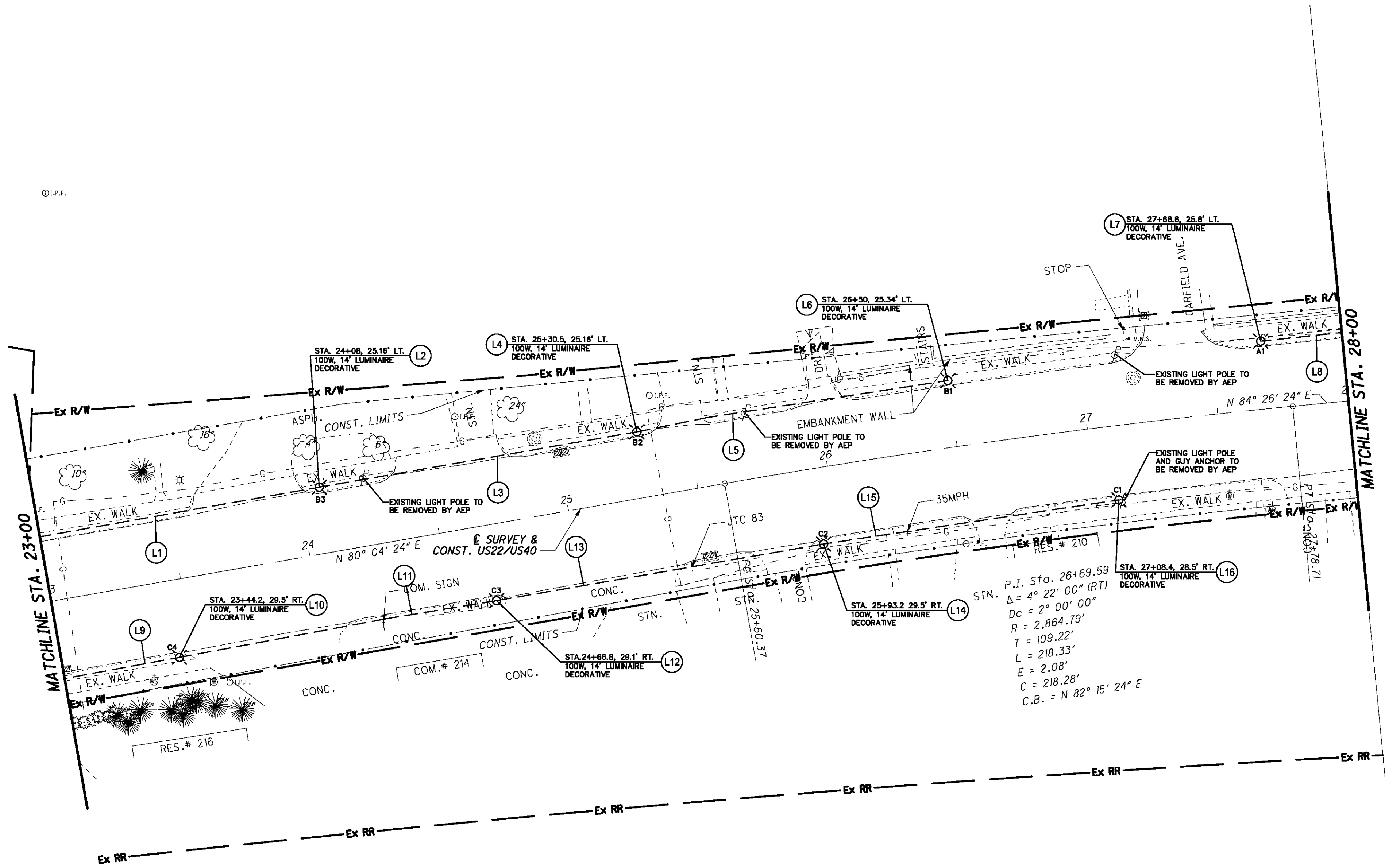
**LIGHTING PLAN - US22/US40**  
**STA. 707+50 TO STA. 23+00**

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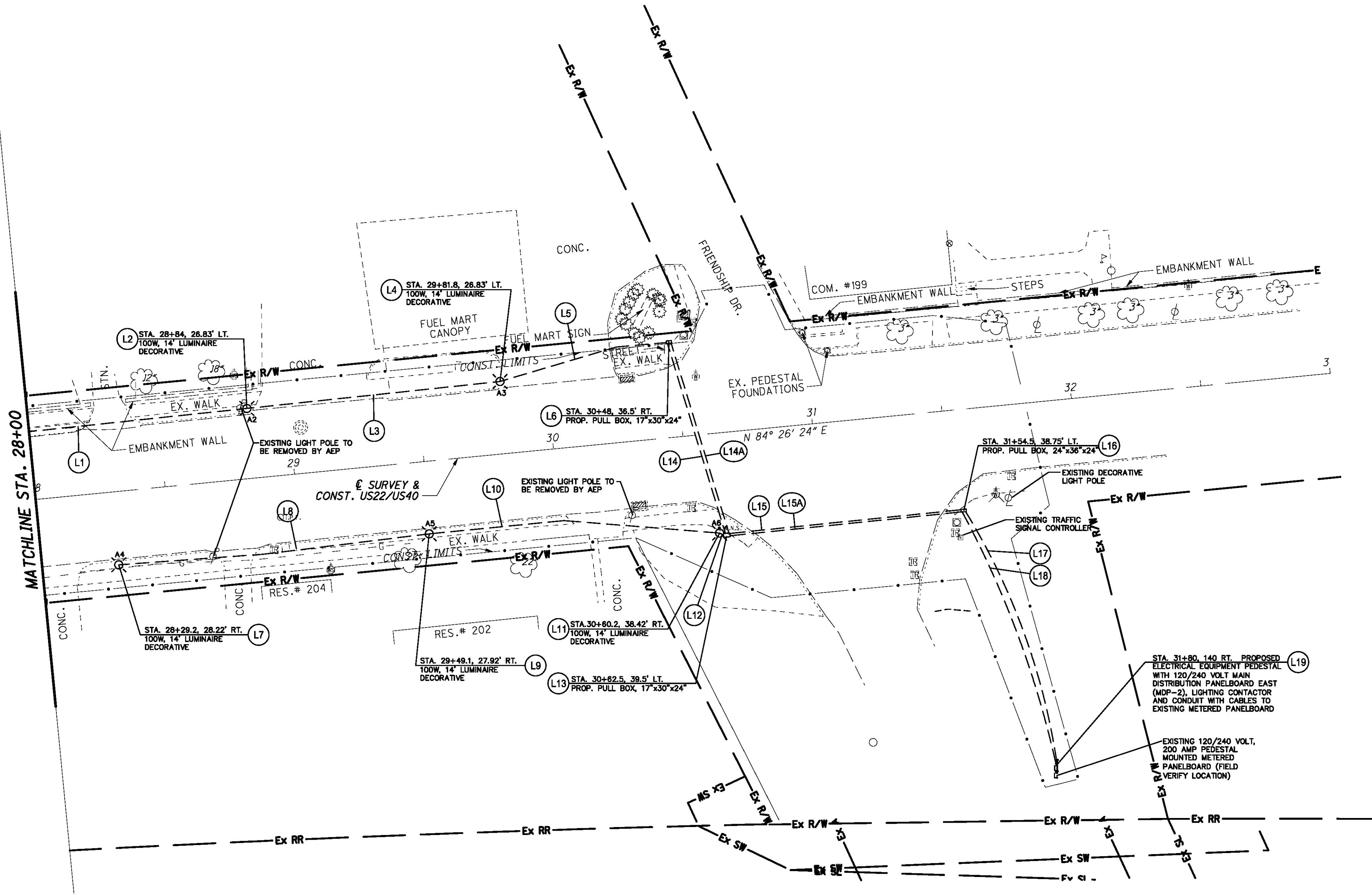
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**LIGHTING PLAN - US22/US40**  
**STA. 23+00 TO STA. 28+00**

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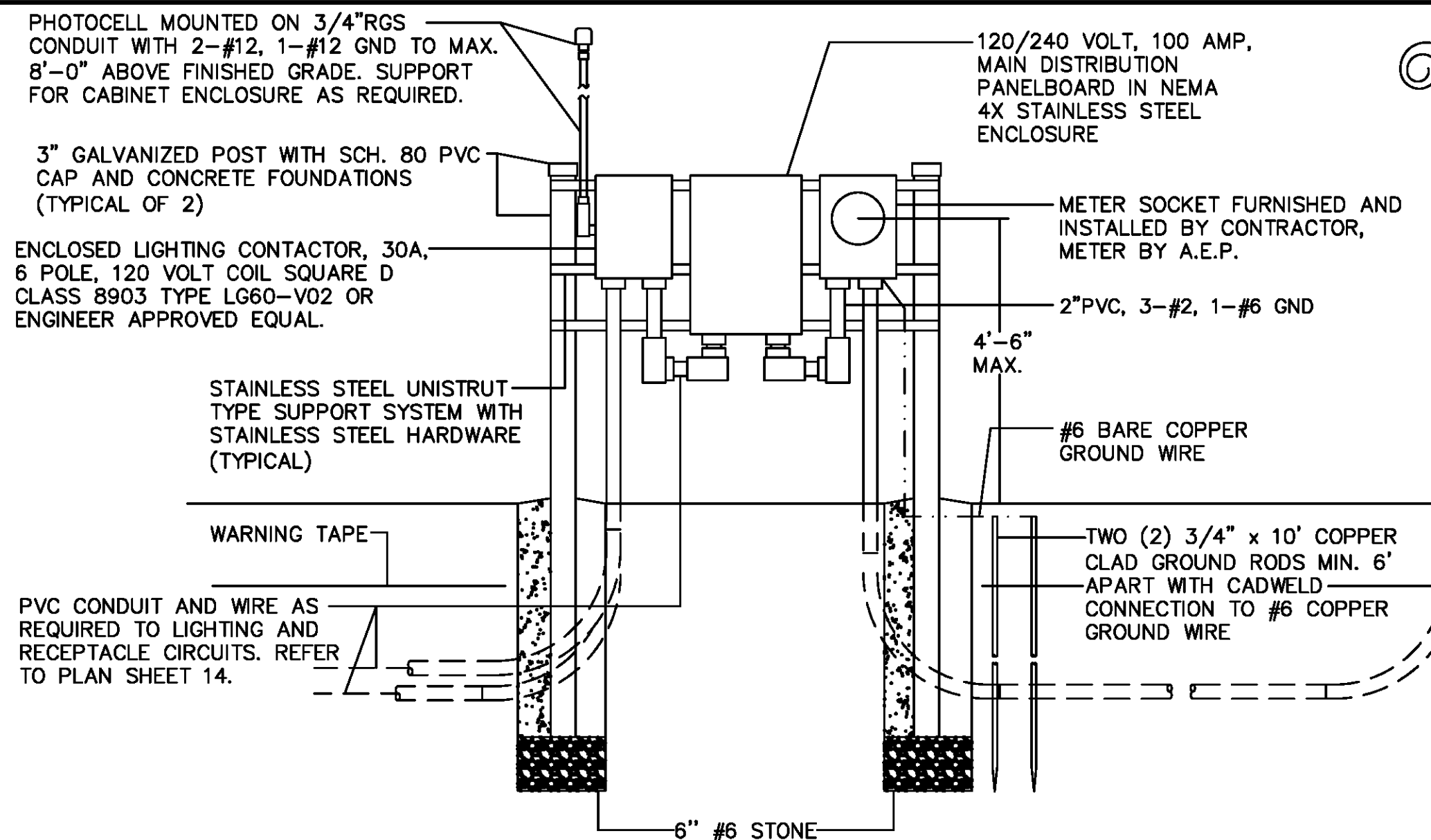
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**LIGHTING PLAN - US22/US40**  
**STA. 28+00 TO STA. 33+00**

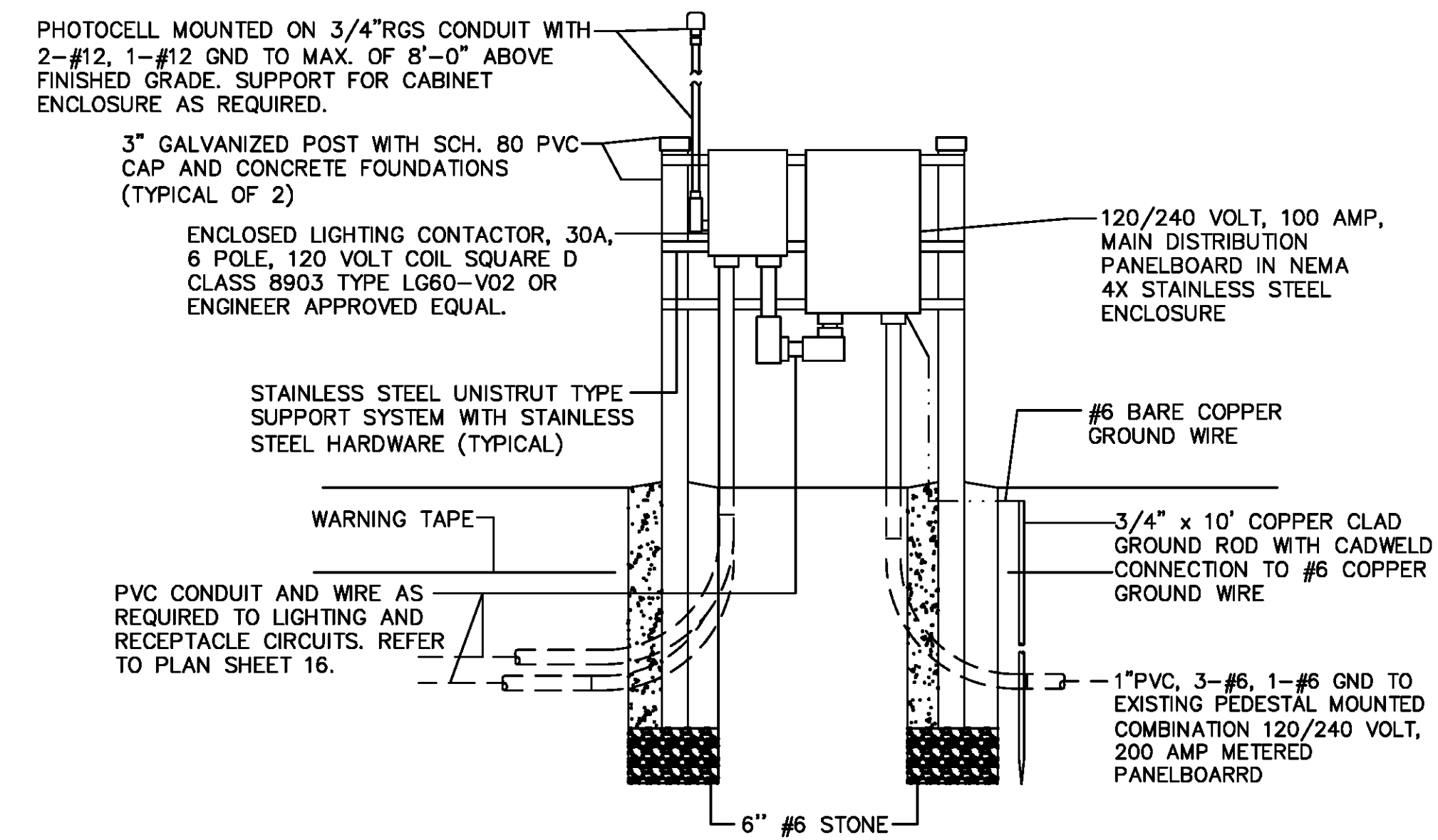
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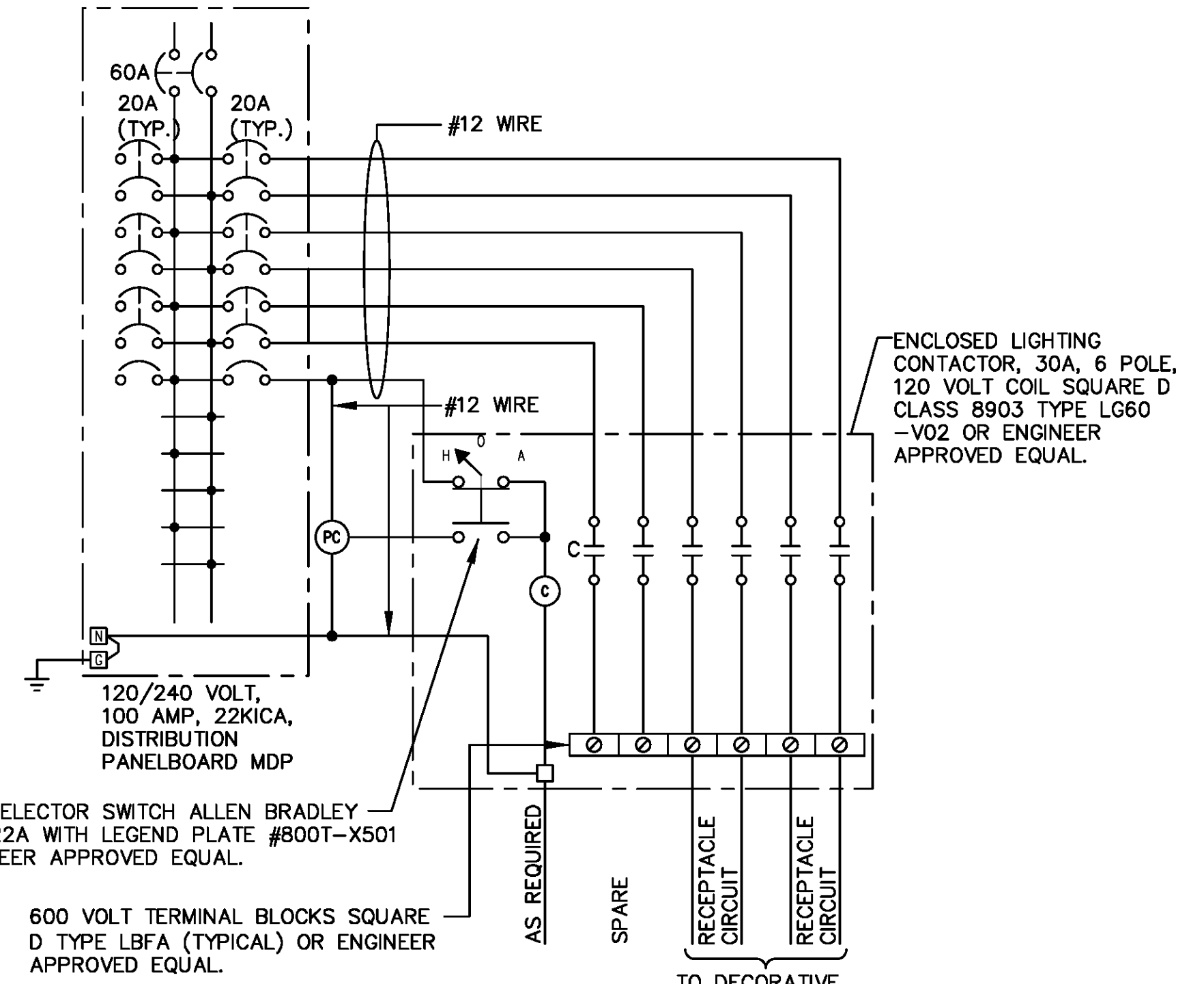
**ELECTRICAL EQUIPMENT PEDESTAL DETAIL MDP-1 (WEST)**  
NOT TO SCALE

**NOTES:**  
1. LIGHTING CONTACTOR MAY BE MOUNTED ON SIDE OPPOSITE THE PANELBOARD TO REDUCE PEDESTAL WIDTH SO LONG AS ADEQUATE CLEARANCE IS PROVIDED.



**ELECTRICAL EQUIPMENT PEDESTAL DETAIL MDP-2 (EAST)**  
NOT TO SCALE

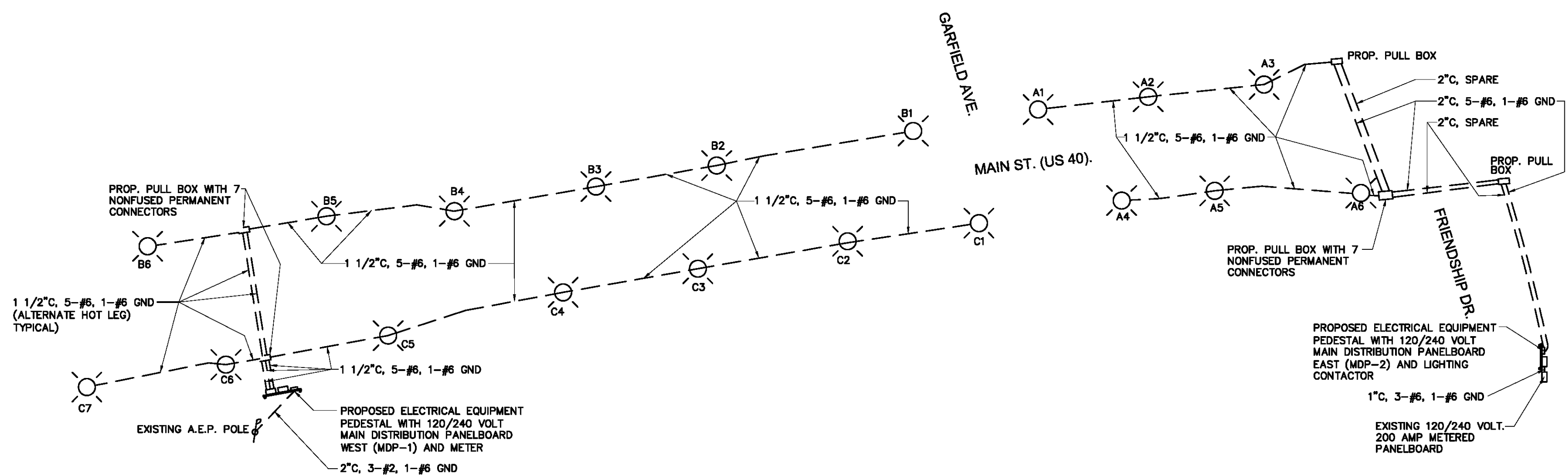
**NOTES:**  
1. LIGHTING CONTACTOR MAY BE MOUNTED ON SIDE OPPOSITE THE PANELBOARD TO REDUCE PEDESTAL WIDTH SO LONG AS ADEQUATE CLEARANCE IS PROVIDED.



**LIGHTING CONTACTOR SCHEMATIC DIAGRAM**

**NOTES:**  
1. LIGHTING CONTACTOR IS SIMILAR FOR BOTH MDP-1 (WEST) AND MDP-2 (EAST). NUMBER OF RECEPTACLE CIRCUITS VARIES.  
2. 120 VOLT PHOTOCELL TORK #2101 OR ENGINEER APPROVED EQUAL.

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| PANELBOARD DESIGNATION MDP-1 (WEST) |                  |     | 100 AMPERE BUS                   |                        |      |
|-------------------------------------|------------------|-----|----------------------------------|------------------------|------|
| LOCATION SOUTH SIDE US40 WEST       |                  |     | 60 AMPERE MAIN BREAKER           |                        |      |
| 120/240 VOLTS 1 PHASE 3 WIRE        |                  |     | 22,000 AMPERE INTERRUPTING CAP   |                        |      |
| X AC, _____ SOLID NEUTRAL           |                  |     | ALL BREAKERS 20 AMP UNLESS NOTED |                        |      |
| X SURFACE _____ FLUSH MOUNTING      |                  |     | ENCLOSURE NEMA 4X S.S.           |                        |      |
| BKR. POS.                           | LOAD DESCRIPTION | KVA | BKR. POS.                        | LOAD DESCRIPTION       | KVA  |
| 1                                   | LIGHTING CIRCUIT | 0.3 | 2                                | RECEPTACLE             | 1.8  |
| 3                                   | NORTH            | 0.3 | 4                                | CIRCUIT NORTH          | 1.8  |
| 5                                   | LIGHTING CIRCUIT | .35 | 6                                | RECEPTACLE             | 2.1  |
| 7                                   | SOUTH            | .35 | 8                                | CIRCUIT SOUTH          | 2.1  |
| 9                                   | SPARE            |     | 10                               | SPARE                  |      |
| 11                                  |                  |     | 12                               |                        |      |
| 13                                  | SPARE            |     | 14                               | SPARE                  |      |
| 15                                  |                  |     | 16                               |                        |      |
| 17                                  | SPARE            |     | 18                               | 0.5 LIGHTING CONTACTOR | 0.5  |
| 19                                  | SPARE            |     | 20                               | SPARE                  |      |
| 21                                  | SPACE            |     | 22                               | SPACE                  |      |
| 23                                  |                  |     | 24                               |                        |      |
| 25                                  |                  |     | 26                               |                        |      |
| 27                                  |                  |     | 28                               |                        |      |
| 29                                  |                  |     | 30                               |                        |      |
| 31                                  |                  |     | 32                               |                        |      |
| 33                                  |                  |     | 34                               |                        |      |
| 35                                  |                  |     | 36                               |                        |      |
| 37                                  |                  |     | 38                               |                        |      |
| 39                                  |                  |     | 40                               |                        |      |
| 41                                  |                  |     | 42                               |                        |      |
| SUB TOTAL KVA                       |                  | 1.3 | SUB TOTAL KVA                    |                        | 8.3  |
| TOTAL KVA                           |                  | 9.6 | TOTAL AMPERES                    |                        | 40.0 |

| PANELBOARD DESIGNATION MDP-2 (EAST) |                    |     | 100 AMPERE BUS                   |                  |       |
|-------------------------------------|--------------------|-----|----------------------------------|------------------|-------|
| LOCATION US40 AT FRIENDSHIP         |                    |     | 60 AMPERE MAIN BREAKER           |                  |       |
| 120/240 VOLTS 1 PHASE 3 WIRE        |                    |     | 22,000 AMPERE INTERRUPTING CAP   |                  |       |
| X AC, _____ SOLID NEUTRAL           |                    |     | ALL BREAKERS 20 AMP UNLESS NOTED |                  |       |
| X SURFACE _____ FLUSH MOUNTING      |                    |     | ENCLOSURE NEMA 4X S.S.           |                  |       |
| BKR. POS.                           | LOAD DESCRIPTION   | KVA | BKR. POS.                        | LOAD DESCRIPTION | KVA   |
| 1                                   | LIGHTING CIRCUIT   | 0.3 | 2                                | RECEPTACLE       | 1.8   |
| 3                                   | NORTH              | 0.3 | 4                                | CIRCUIT NORTH    | 1.8   |
| 5                                   | SPARE              |     | 6                                | RECEPTACLE       | 1.8   |
| 7                                   |                    |     | 8                                | CIRCUIT SOUTH    | 1.8   |
| 9                                   | SPARE              |     | 10                               | SPARE            |       |
| 11                                  |                    |     | 12                               |                  |       |
| 13                                  | SPARE              |     | 14                               | SPARE            |       |
| 15                                  |                    |     | 16                               |                  |       |
| 17                                  | LIGHTING CONTACTOR | 0.5 | 18                               | SPARE            |       |
| 19                                  | SPARE              |     | 20                               |                  |       |
| 21                                  | SPACE              |     | 22                               | SPACE            |       |
| 23                                  |                    |     | 24                               |                  |       |
| 25                                  |                    |     | 26                               |                  |       |
| 27                                  |                    |     | 28                               |                  |       |
| 29                                  |                    |     | 30                               |                  |       |
| 31                                  |                    |     | 32                               |                  |       |
| 33                                  |                    |     | 34                               |                  |       |
| 35                                  |                    |     | 36                               |                  |       |
| 37                                  |                    |     | 38                               |                  |       |
| 39                                  |                    |     | 40                               |                  |       |
| 41                                  |                    |     | 42                               |                  |       |
| SUB TOTAL KVA                       |                    | 1.1 | SUB TOTAL KVA                    |                  | 7.2   |
| TOTAL KVA                           |                    | 8.3 | TOTAL AMPERES                    |                  | 34.58 |

LIGHTING DETAILS

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