

MODEL: Sheet_SurvFI PAPER: 34422 (in.) DATE: 6/17/2026 TIME: 10:03:59 AM PLTDRV: OHDOT_PDF.pltG PENTBL: OHDOT_Pen.tbl USER: WORKSPACE: OHDOT WORKSET: 118185_10_FUL2019175 PRODUCT: OpenRoadsDesigner 10.12.03.2 L:\ODOT\20066303-00_VAR-STW_SafetyDesign\2020-610_FUL2019175\118185\400-Engineering\Roadway\Sheets\118185_06_GN101.dgn

UTILITIES

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

TELECOMMUNICATIONS:
MCG FIBER - AT&T LONGLINES
WILLIAM TAGGART
8372 E BROAD ST.
REYNOLDSBURG, OH 43068
614.686.2511
WT2462@ATT.COM

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450 WILSON BRIDGE RD
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440.525.4322
JAMES.SCHNEIDER@MCGFIBER.COM

BRIGHTSPEED
BILL PARSONS
980.376.1517
BILL.PARSONS@BRIGHTSPEED.COM

LUMEN
DOUGLAS HOLLOWAY
5091 ELNO AVE
AKRON, OHIO 44319
216.906.6284
DOUG.HOLLOWAY@LUMEN.COM
RELOCATIONS@LUMEN.COM

ELECTRIC:
TOLEDO EDISON
CHAD BURGESS
134 LAWRENCE AVE
WAUSEON, OH 32567
419.249.5178
TEPUBLICWORKSCOORDINATOR@FIRSTENERGYCORP.COM
CORPJOINTUSE@FIRSTENERGYCORP.COM
BURGESSC@FIRSTENERGYCORP.COM

WATER/SEWER
VILLAGE OF LYONS
ROD KURFISS
120 W. MORENCI ST.
LYONS, OH 43533
419.583.7868

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

SURVEY PARAMETER

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING ON THIS PROJECT:

PROJECT CONTROL

POSITIONING METHOD: ODOT REAL TIME NETWORK (2011) & DIFFERENTIAL LEVELING

MONUMENT TYPE: TYPE B

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS 80
OHIO COUNTY COORDINATE SYSTEM: FULTON CO.
LDP PROJECTION PARAMETERS:
PROJECTION: LCC 1 PARALLEL
CENTRAL LATITUDE: N 41°30'00"
CENTRAL LONGITUDE: E 275°51'00"
FALSE NORTING: 100,000 METERS
FALSE EASTING: 50,000 METERS
PROJECTION SCALE FACTOR: 1.000025

THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY ODOT THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES. CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.

UNITS ARE IN U.S. SURVEY FEET.
USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

BASIS OF BEARINGS:

BEARINGS ARE BASED ON GRID NORTH OF THE ODOT LOW DISTORTION PROJECTION –FULTON COUNTY

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. GEOTECHNICAL OBSERVATIONS DETERMINED APPROXIMATELY 12 INCHES OF EXISTING TOPSOIL IS PRESENT WITHIN THE PROJECT AREA. EXISTING TOPSOIL SHALL NOT BE USED AS EMBANKMENT MATERIAL AND SHALL BE A THICKNESS OF 4 INCHES IN FINAL PLACEMENT. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

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

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

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

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

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

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

ITEM 611 – CATCH BASIN NO. 3, AS PER PLAN

THIS ITEM SHALL CONTAIN, IN PLACE OF THE CASTING SHOWN IN THE STANDARD CONSTRUCTION DRAWING CB-3, A MOUNTABLE CASTING (NEENAH HEAVY DUTY GRATE R-3504-F OR APPROVED EQUAL.)

PAYMENT SHALL BE AT THE UNIT PRICED BID, EACH, FOR ITEM 611-CATCH BASIN NO. 3, AS PER PLAN, AND SHALL INCLUDE ALL LABOR MATERIALS AND PERTINENT ITEMS TO PERFORM THE REQUIRED WORK

ITEM 611 – CATCH BASIN NO. 3A, AS PER PLAN

THIS ITEM SHALL CONTAIN, IN PLACE OF THE CASTING SHOWN IN THE STANDARD CONSTRUCTION DRAWING CB-3A, A MOUNTABLE CASTING (NEENAH HEAVY DUTY GRATE R-3503-B OR APPROVED EQUAL.)

PAYMENT SHALL BE AT THE UNIT PRICED BID, EACH, FOR ITEM 611-CATCH BASIN NO. 3A, AS PER PLAN, AND SHALL INCLUDE ALL LABOR MATERIALS AND PERTINENT ITEMS TO PERFORM THE REQUIRED WORK

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2	EACH
659, TOPSOIL	1,559	CU. YD.
659, SEEDING AND MULCHING	14,041	SQ. YD.
659, REPAIR SEEDING AND MULCHING	702	SQ. YD.
659, INTERSEEDING	702	SQ. YD.
659, COMMERCIAL FERTILIZER	1.9	TON
659, LIME	2.9	ACRES
659, WATER	76	M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS. TOPSOIL SHALL BE A THICKNESS OF 4 INCHES IN FINAL PLACEMENT.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. RW.8.

POST CONSTRUCTION STORM WATER TREATMENT
THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED BIOFILTER
THIS PLAN UTILIZES VEGETATED BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER IS TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

ITEM 204 - PROOF ROLLING

A QUANTITY IS BUILT OUT IN THE PAVEMENT SUBSUMMARY AND CARRIED TO THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. 5-9 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING

ITEM 206 - CEMENT STABILIZED SUBGRADE

THE CEMENT STABILIZED SUBGRADE IS REQUIRED AS PART OF THE STRUCTURAL DESIGN OF THE PAVEMENT. ANY CHANGES TO THE STABILIZATION MAY REQUIRE ADDITIONAL PAVEMENT THICKNESS. CONTACT THE OFFICE OF PAVEMENT ENGINEERING PRIOR TO ANY NON-PERFORMANCE OR CHANGES TO THE CEMENT STABILIZED SUBGRADE.

FARM DRAINS

PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE (RIGHT OF WAY) (CONSTRUCTION) LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY.

DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

- 611 6" CONDUIT, TYPE E 200 FT.
- 611 6" CONDUIT, TYPE F 300 FT.
- 601 ROCK CHANNEL PROTECTION TYPE C WITH FILTER 20 CU. YD

ITEM 620 DELINEATOR, POST SURFACE MOUNTED, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS 620, THE SURFACE MOUNTED DELINEATOR SHALL BE DETACHABLE AND REATTACHABLE TO THE BASE. THE HEIGHT OF THE BASE SHALL BE A MAXIMUM OF 2 INCHES.

PAYMENT FOR ITEM 620 DELINEATOR, POST SURFACE MOUNTED, AS PER PLAN SHALL BE MADE FOR THE NUMBER OF COMPLETE DELINEATOR INSTALLED, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS, AND ATTACHMENT HARDWARE.

ITEM 630 GROUND MOUNTED NO. 3 POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A GROUND MOUNTED NO. 3 POST WITH THE EMBEDMENT DEPTH OF A MINIMUM OF 48". ADDITIONAL EMBEDMENT DEPTH IS INCLUDED IN THE PLAN QUANTITY PRICE FOR ITEM 630, GROUND MOUNTED NO. 3 POST, AS PER PLAN.

ITEM 630 SIGN POST REFLECTOR, AS PER PLAN

IN ADDITION TO THE POST SUPPORT, THE CONTRACTOR SHALL PROVIDE SIGN POST REFLECTORS IN ACCORDANCE WITH STD. DWG. TC-41.30 AS PART OF THIS PAY ITEM. THE SIGN POST SHALL BE REFLECTORIZED WITHIN 1" BELOW THE SIGN TO WITHIN 1" OF THE GROUND ELEVATION BELOW THE SIGN. THE REFLECTIVE SHEETING, TYPE AND MANUFACTURER, SHALL MATCH THAT OF THE PROPOSED SIGN TO INSURE THE REFLECTIVITY IS CONSISTENT. ONLY 24" AND 36" LENGTH STRIPS SHALL BE USED.

ITEM 442 ASPHALT CONCRETE SURFACE COURSE, AS PER PLAN

ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE SURFACE COURSE AND A MAXIMUM OF 10% OF RAP BY DRY WEIGHT OF MIX CAN BE USED.

DESIGN AGENCY



DESIGNER

LDW

REVIEWER

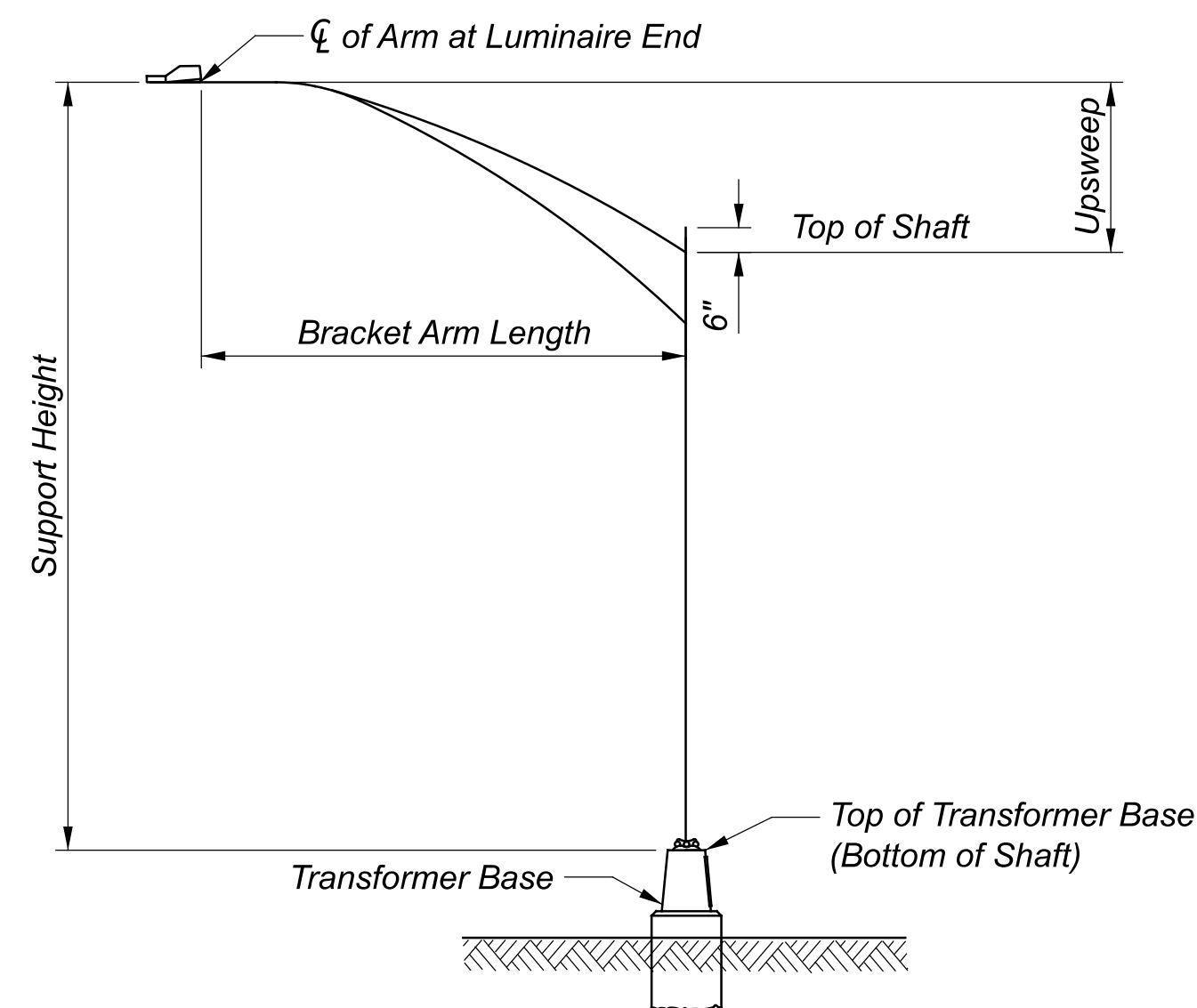
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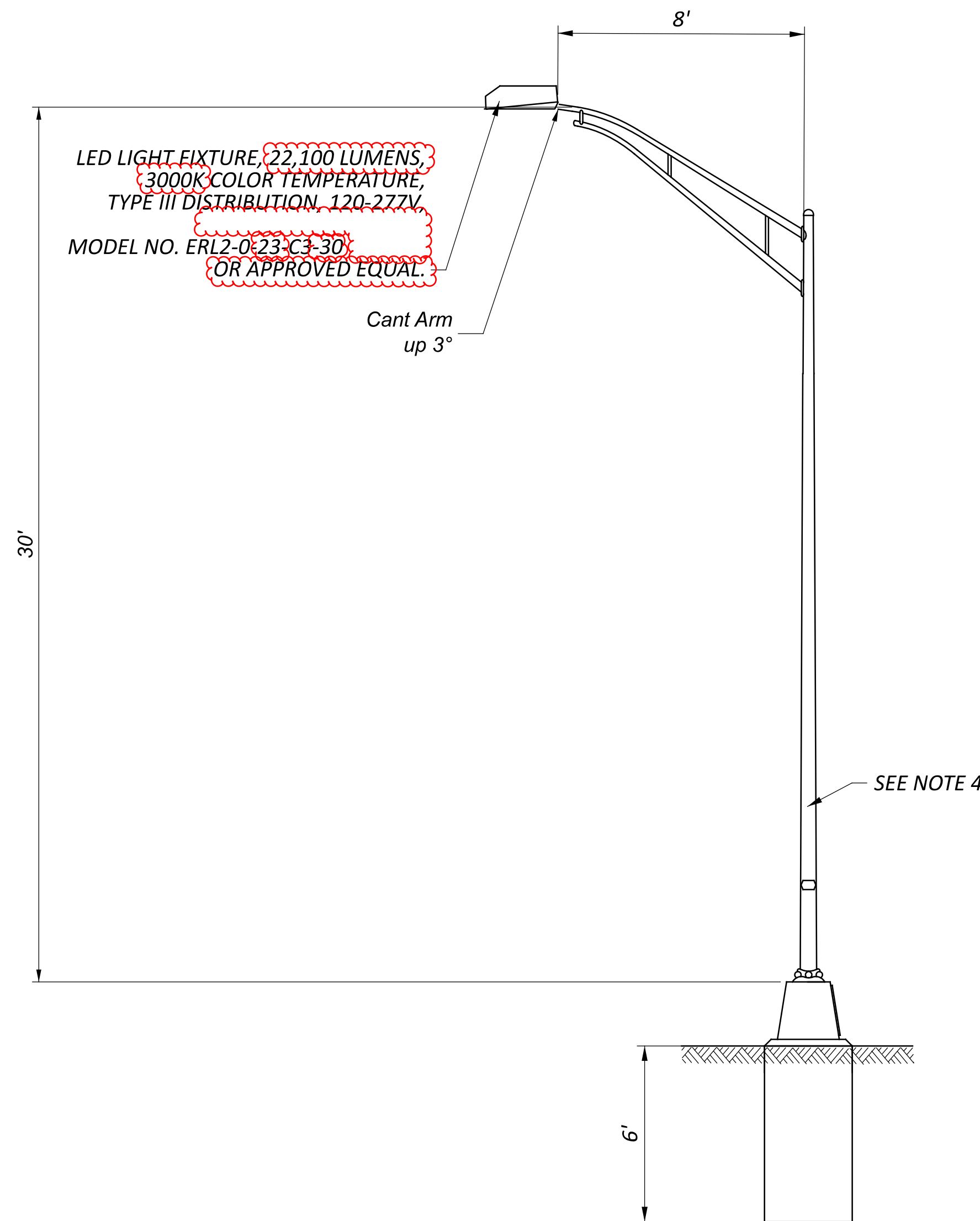
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SHEET TOTAL

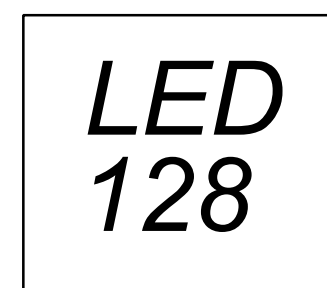
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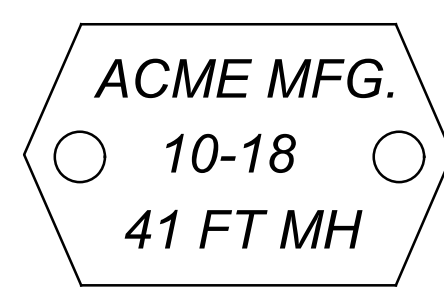
POLE COMPONENTS



STANDARD TRUSS ARM, LOW RISE - AT8B30 WITH 6' FOUNDATION PER SCD HL-20.11



CONVENTIONAL LED LUMINAIRE WATT LABEL (REQ'D)
(Apply to Underside of Enclosure)



POLE LABEL (Typ.)

NOTES:

1. Truss arms shown are schematic. Actual truss arm construction may vary slightly depending upon manufacturer (e.g., straight vs. curved lower-chords).
2. Do not provide nut covers for the pole base.
3. Do not exceed pole manufacturer's recommended height/arm length combination.
4. Affix stamped aluminum pole label to all poles. Include manufacturer, date of manufacture (MO-YR), and pole height.
5. All HL-10.11 standard and baseline aesthetic poles are of round cross section with smooth walls (no flutes).
6. See ODOT Aesthetic Design Guidelines for the Definitions of "Standard," "Baseline Aesthetic," and "Enhanced Aesthetic."