

LOWRY FARM

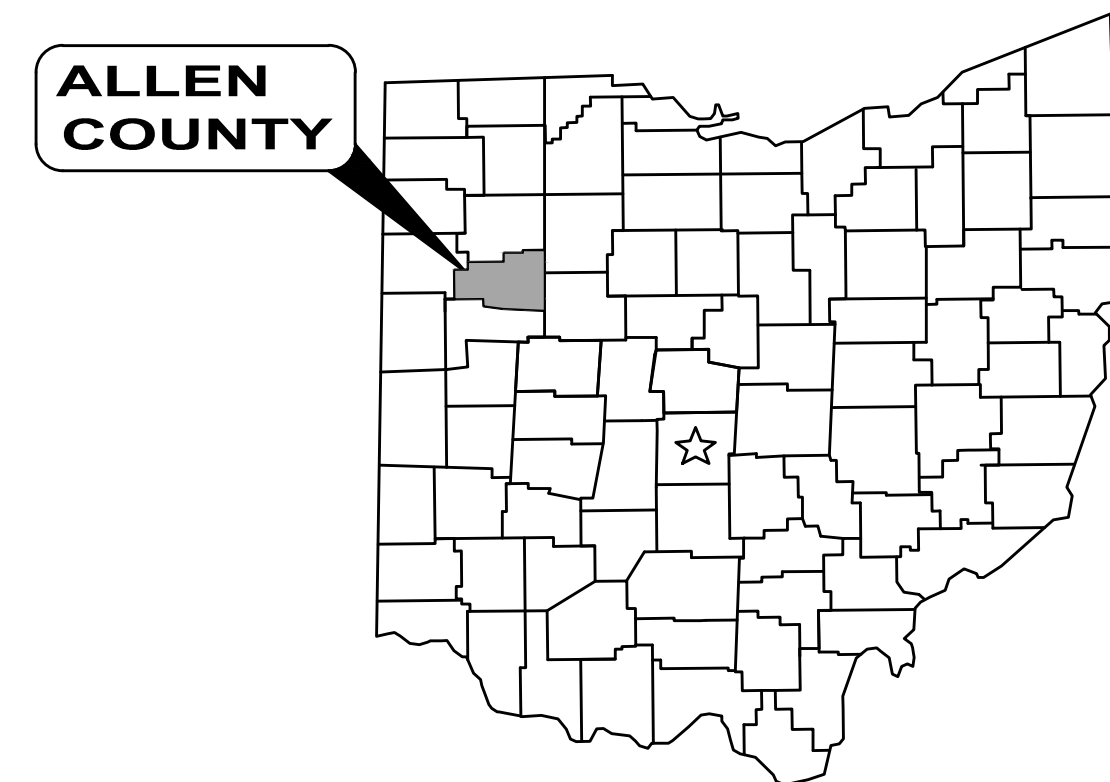
JOHNNY APPLESEED

METROPOLITAN PARK DISTRICT

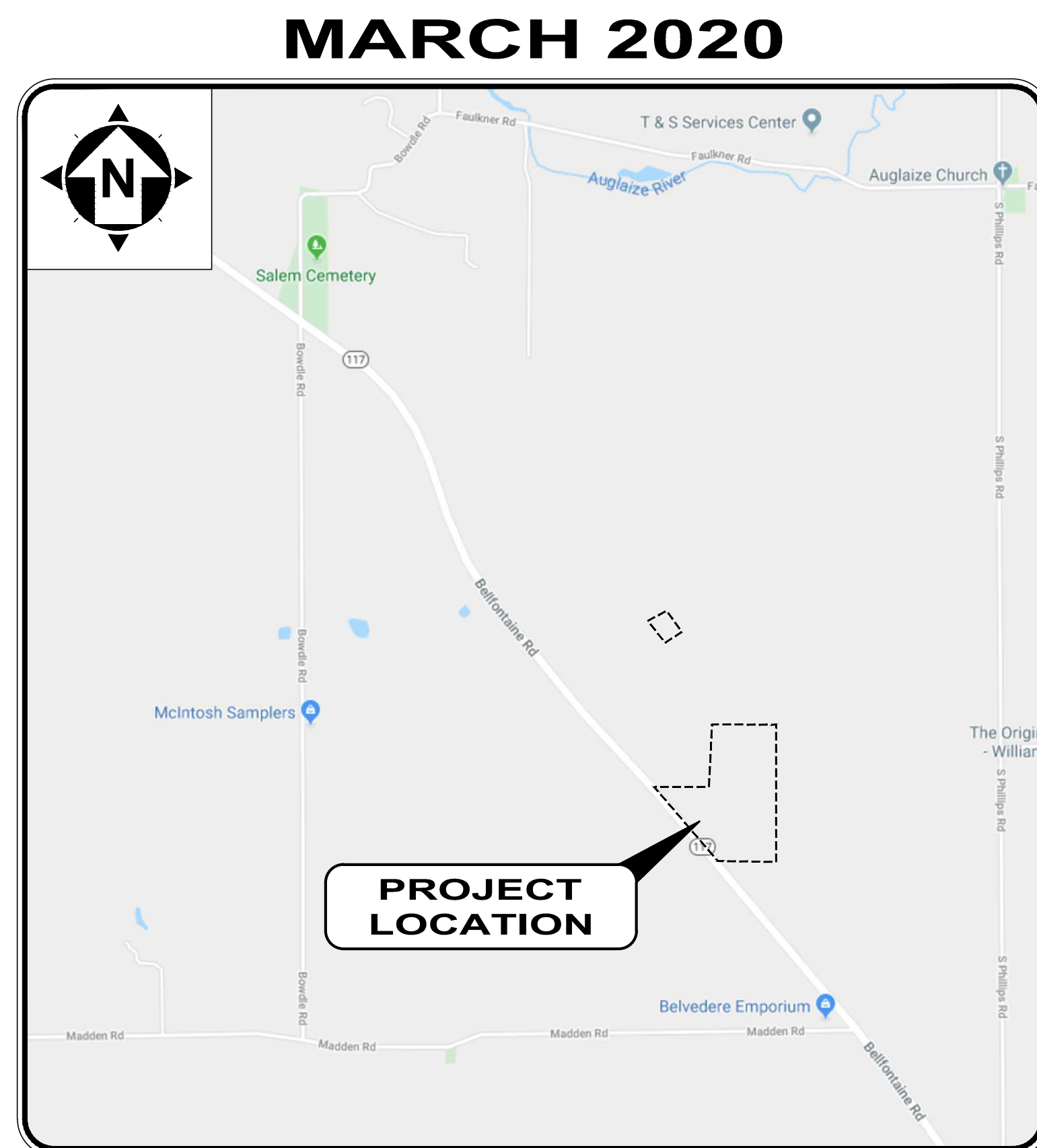
IMPROVEMENTS PROJECT

AUGLAIZE TOWNSHIP, ALLEN COUNTY, OHIO

ALLEN COUNTY PARCEL #48-2800-01-003.000



Sheet Index	
Sheet Number	Sheet Title
1	COVER SHEET
2	CT GENERAL NOTES
3	OVERALL SITE PLAN
4	EXISTING CONDITIONS PLAN
5	SITE LAYOUT PLAN
6	GRADING PLAN
7	PEDESTRIAN BRIDGE DETAILS
8	PEDESTRIAN BRIDGE DETAILS
9	MISCELLANEOUS DETAILS
10	SWPPP NOTES
11	SWPPP DETAILS
12	SWPPP PLAN



LOCATION MAP
NOT TO SCALE

PARK COMMISSIONERS

ROBERT K. ANTIBUS
KEVIN P. BRUIN
DONNA CREAMER

PARK ADMINISTRATION

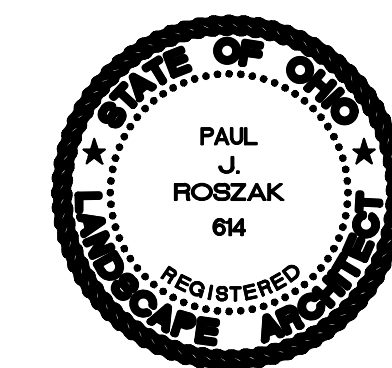
KEVIN L. HAVER, DIRECTOR-SECRETARY
TYLER BLACK, DEPUTY DIRECTOR
VINCE SARNO, PARKS SUPERINTENDENT

LANDSCAPE ARCHITECT:

CT CONSULTANTS, INC.
3875 EMBASSY PARKWAY, SUITE 200
AKRON, OH 44333
(330) 375-0800 PHONE

Paul J. Roszak

PAUL ROSZAK



LA 8800614

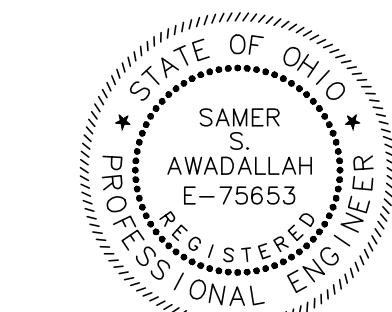
4/3/2020
DATE

ENGINEER:

CT CONSULTANTS, INC.
3875 EMBASSY PARKWAY, SUITE 200
AKRON, OH 44333
(330) 375-0800 PHONE

Samir Awadallah

SAMER AWADALLAH



PE 75653

4/3/2020
DATE



OHIO 811 DESIGN SERIAL NUMBER:
#A936-402-180-00A

PARK ADMINISTRATION OFFICE

2355 ADA ROAD
LIMA, OH 45801
PHONE: 419-221-1232
jampd@jamped.com



ENGINEER'S PROJECT No. 190538

NO	REVISION	DATE

ISSUED FOR: DRAFT
ISSUE DATE: 1/24/2020
SCALE: AS NOTED
DESIGNED BY: PUR/SSA
DRAWN BY: SVE
CHECKED BY: PUR

PROJECT NO. 190538	
SHEET 1	OF 12

JOHNNY APPLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP
ALLEN COUNTY, OHIO
GENERAL - 00 SERIES
COVER SHEET

GENERAL NOTES TITLE:

GENERAL NOTES:

- 1. THE CONTRACTOR MUST CONTACT OUPS (OHIO UTILITIES PROTECTION SERVICE) AT 800-362-2764 AND OGPUPS (OHIO OIL AND GAS ASSOCIATION) AT 800-925-0988 AT LEAST 48 HOURS, BUT NO MORE THAN 10 WORKING DAYS...
2. ALL WORK REQUIRED TO COMPLETE THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE 2019 EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS...
3. THERE SHALL BE NO DEVIATION FROM THE APPROVED CONSTRUCTION PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR DESIGN ENGINEER...

EXISTING CONDITION AND SURVEY NOTES:

- 1. THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE CONSTRUCTION PLANS WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS (E.G. ABOVE GROUND FEATURES, FLAGGED OR PAINTED MARKED UNDERGROUND UTILITIES) AND RECORDS MADE AVAILABLE (E.G. ORIGINAL CONSTRUCTION PLANS, AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICE MAPS, GIS DATABASES, AERIAL PHOTOGRAPHY) TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS...

SANITARY

ALLEN COUNTY SANITARY ENGINEERING DEPARTMENT
3230 N. COLE STREET
LIMA, OHIO, 45801
ATTN: WILLIAM L. HORVATH
PH: (419) 996-4670

STORM

ALLEN SOIL & WATER CONSERVATION DISTRICT
1601 E. 4TH STREET, SUITE B
LIMA, OHIO 45804
ATTN: ALBERT SUNIGA
PH: (419) 223-0040 X 3
E-MAIL: albert@allenswcd.com

WATER

ALLEN COUNTY WATER DISTRICT
3230 N. COLE STREET
LIMA, OHIO 45801
ATTN: KIMBERLY STILES
PH: (419) 996-4679
E-MAIL: allenwaterdistrict@allencountyohio.com

NATURAL GAS

BUCKEYE E PARTNERS, L.P.
1020 BUCKEYE ROAD
LIMA, OHIO 45801
ATTN: BRANDON L. ERDMAN
PH: (567) 204-5155
E-MAIL: berdman@buckeye.com

ATTN: BRANDON ALLEN

PH: (216) 318-2124
E-MAIL: ballen@buckeye.com

ATTN: TROY ALLEN

PH: (216) 318-2124
E-MAIL: tallen@buckeye.com

ELECTRIC

MID-OHIO ENERGY COOPERATIVE
12010 W LIMA STREET
KENTON, OHIO 43326
ATTN: TRACY DAUGHENBAUGH
PH: (888) 363-6446
E-MAIL: tracyd@ohioenergy.com

TELEPHONE AND CABLE

CENTURYLINK
701 N CABLE ROAD
LIMA, OHIO 45805
PH: 1 (800) 283-4237

- 7. THE CONTRACTOR SHALL PRESERVE BENCHMARKS, PROPERTY LINE REFERENCES (E.G., PINS, PIPES, MONUMENTS) AND CONTROL POINTS. IF DISTURBED, THE CONTRACTOR SHALL REPLACE THEM AT HIS EXPENSE. BE RESPONSIBLE FOR ERRORS CAUSED BY THEIR LOSS OR DISTURBANCE, AND FURNISH A CERTIFICATION BY A REGISTERED SURVEYOR THEY HAVE BEEN RESTORED.

MAINTENANCE OF TRAFFIC NOTES:

- 1. THE WORK LIMITS SHOWN ON THE CONSTRUCTION PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING SIGNS, SIGN SUPPORTS, CONES, BARRELS, LIGHTS, BARRICADES, FLAGS, FLAGMEN AND INCIDENTALS AS REQUIRED TO PERFORM THE REQUIRED WORK WHETHER INSIDE OR OUTSIDE THE WORK LIMITS IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD)...

DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL DEMOLITION NECESSARY TO EXECUTE THE WORK INCLUDING COORDINATION OF DEMOLITION WORK WITH NEW WORK SO AS NOT TO CREATE CONFLICTS OF NEW INSTALLATION.
2. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A SUBSURFACE UTILITY LOCATING SERVICE TO FIELD LOCATE PRIVATE UTILITIES (E.G. ELECTRIC, LIGHTING, GAS, CABLE TV, TELEPHONE AND FIBEROPTIC)...

LAYOUT NOTES:

- 1. PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE ODOT SPECIFICATIONS AND DRAWINGS AND SPECIFICATIONS.
2. A 4 IN. WIDE HOT-APPLIED RUBBERIZED JOINT SEALER SHALL BE APPLIED WHERE NEW ASPHALT PAVEMENT MEETS NEW OR EXISTING ROADWAY.

UTILITY NOTES:

- 1. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICE TO ADJOINING PROPERTIES WITHOUT INTERRUPTION. IF SERVICE IS DISRUPTED, THE CONTRACTOR SHALL IMMEDIATELY RECTIFY THE SITUATION WITH NO ADDITIONAL COMPENSATION.
2. THE CONTRACTOR SHALL PROTECT, SUPPORT AND SHORE UP ANY EXISTING UTILITY ENCOUNTERED DURING CONSTRUCTION AND COORDINATE ALL WORK TO BE PERFORMED WITH EACH RESPECTIVE UTILITY COMPANY.

GRADING NOTES:

- 1. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. ALTHOUGH EXCAVATED SUBSOIL IS ASSUMED TO BE SUITABLE FOR FILL MATERIAL UNDER PAVEMENTS, THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE.
2. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO GRADES SHOWN ON THE GRADING PLANS.
3. THE CONTRACTOR SHALL PROTECT EXISTING ROADWAY PAVEMENT TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING OR WASHOUT CREATED BY EARTH MOVING OPERATIONS.

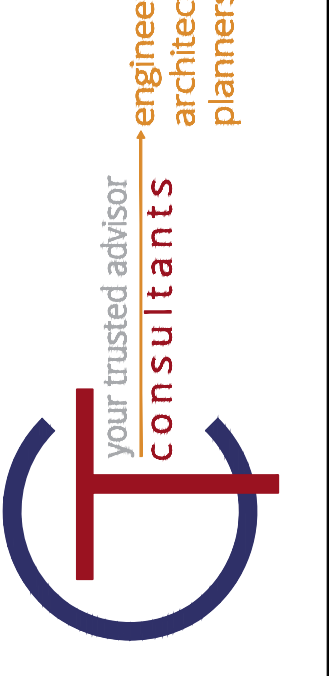
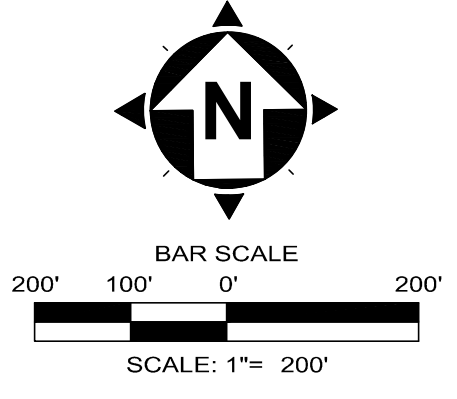
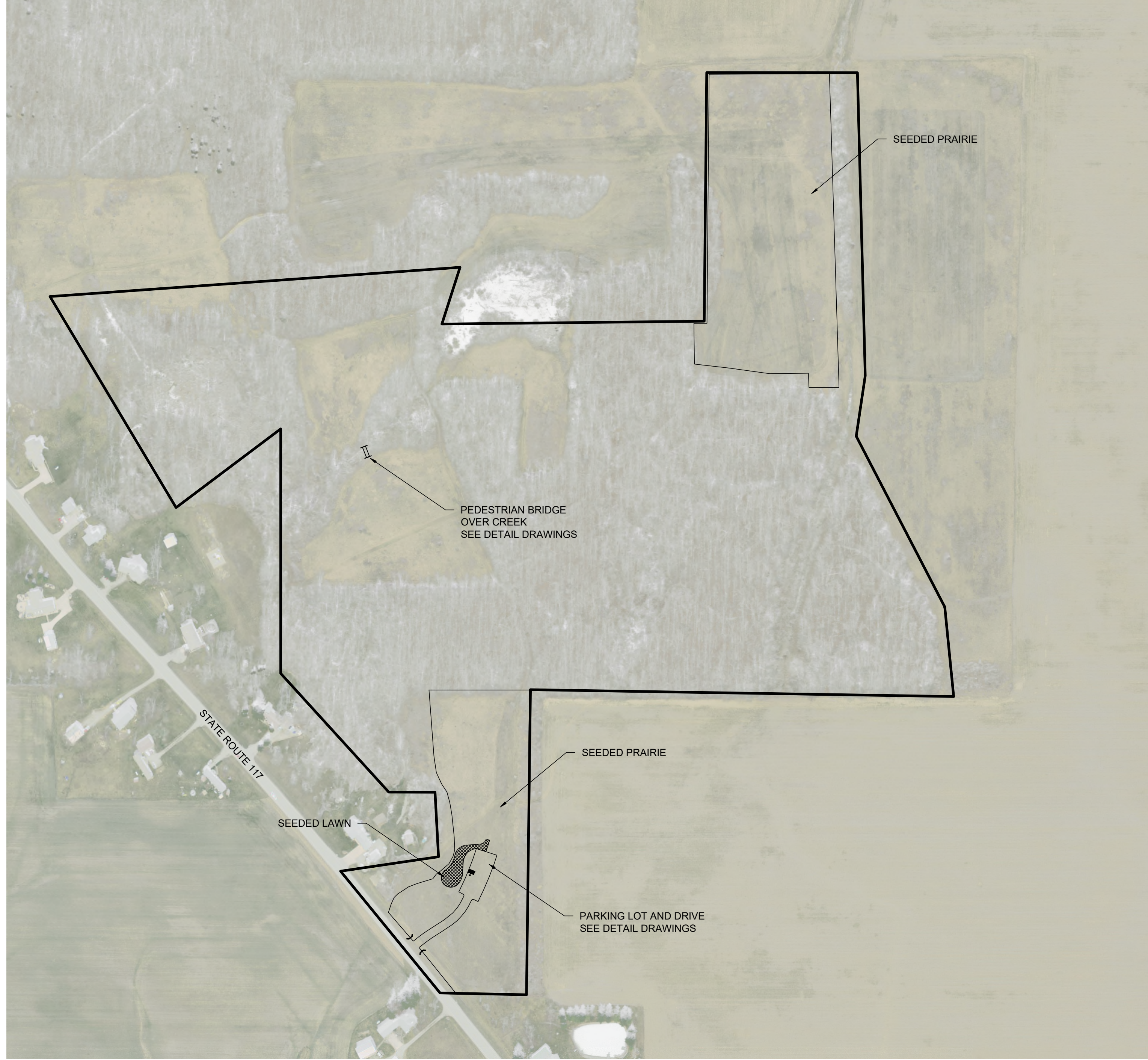


Table with 10 columns: DATE, REVISION, NO, DRAFT, ISSUED FOR, ISSUE DATE, SCALE, DESIGNED BY, DRAWN BY, CHECKED BY.

JOHNNY APLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
ALLEN COUNTY, OHIO
AUGLAIZE TOWNSHIP
GENERAL - 00 SERIES
CT GENERAL NOTES

Table with 2 columns: SHEET, OF. Row 1: 2, 12.

PROJECT NO. 190538



ISSUED FOR:	DRAFT	NO	REVISION	DATE
ISSUE DATE:	4/2/2020			
SCALE:	AS NOTED			
DESIGNED BY:	PJR			
DRAWN BY:	BEK			
CHECKED BY:	PJR			

JOHNNY APLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
GENERAL - 00 SERIES
OVERALL SITE PLAN

PROJECT NO.
190538

SHEET OF
3 OF 12

SITE SYMBOL LEGEND:

- EX:
- POST, MAILBOX
 - POST, SIGN
 - POST, SIGN - DOUBLE
 - POST, SIGN - DUAL
 - GEOTECH - SOIL BORING
 - BUSH
 - TREE, DECIDUOUS
 - TREE, EVERGREEN
 - TREE, STUMP
 - NAIL - MAG
 - PIN - IRON
 - PIPE - IRON
 - SPIKE
 - POLE - ELECTRIC (POWER)
 - POLE - GENERAL
 - POLE - GUY
 - POLE - GUY ANCHOR
 - POLE - LIGHT

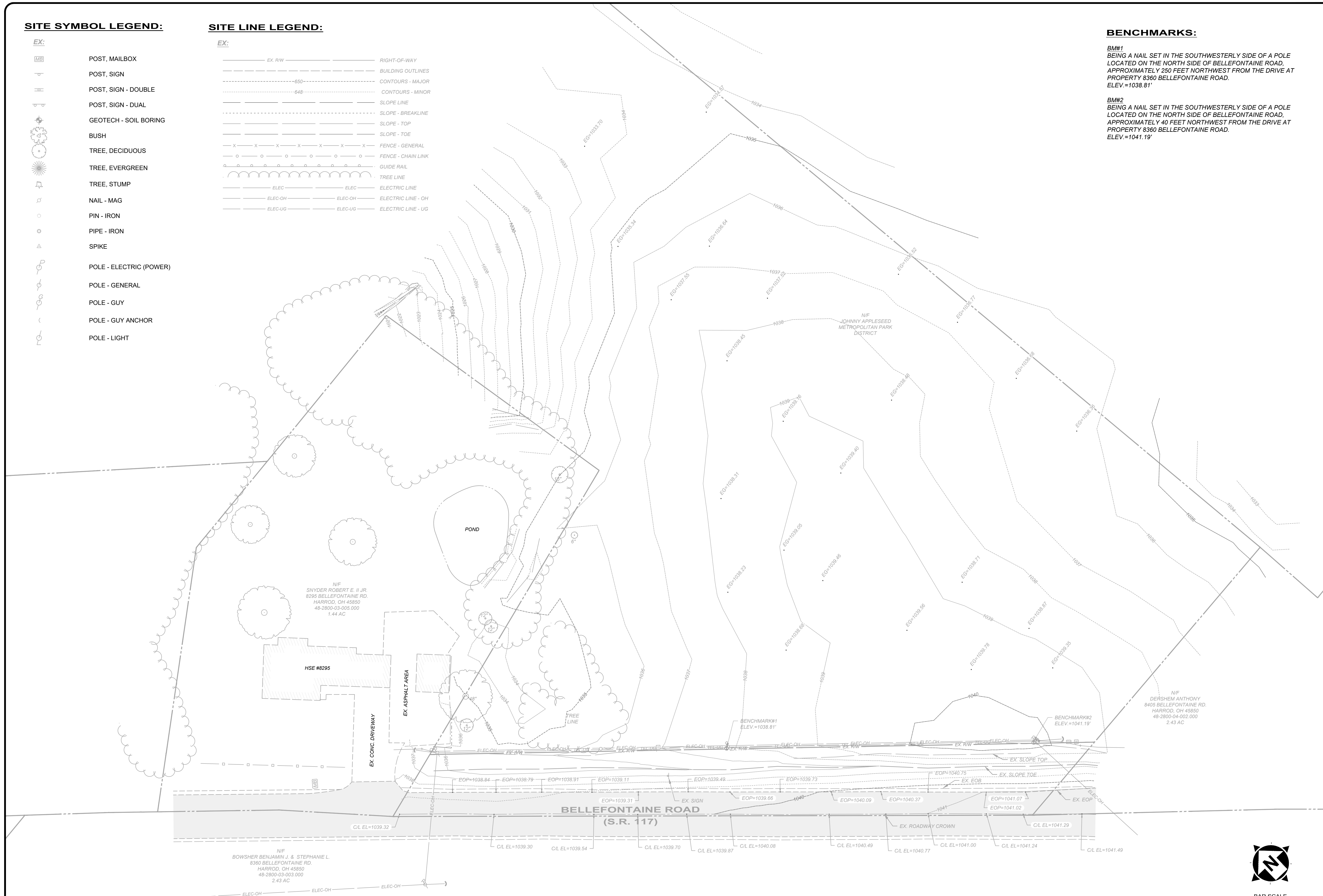
SITE LINE LEGEND:

- EX:
- RIGHT-OF-WAY
 - BUILDING OUTLINES
 - CONTOURS - MAJOR
 - CONTOURS - MINOR
 - SLOPE LINE
 - SLOPE - BREAKLINE
 - SLOPE - TOP
 - SLOPE - TOE
 - FENCE - GENERAL
 - FENCE - CHAIN LINK
 - GUIDE RAIL
 - TREE LINE
 - ELECTRIC LINE
 - ELECTRIC LINE - OH
 - ELECTRIC LINE - UG

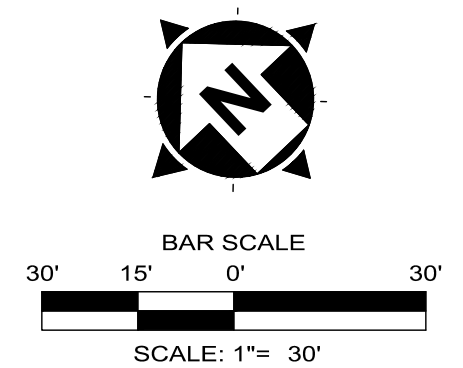
BENCHMARKS:

BM#1
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 250 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1038.81'

BM#2
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 40 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1041.19'



EXISTING CONDITIONS PLAN VIEW
SCALE: 1" = 30'



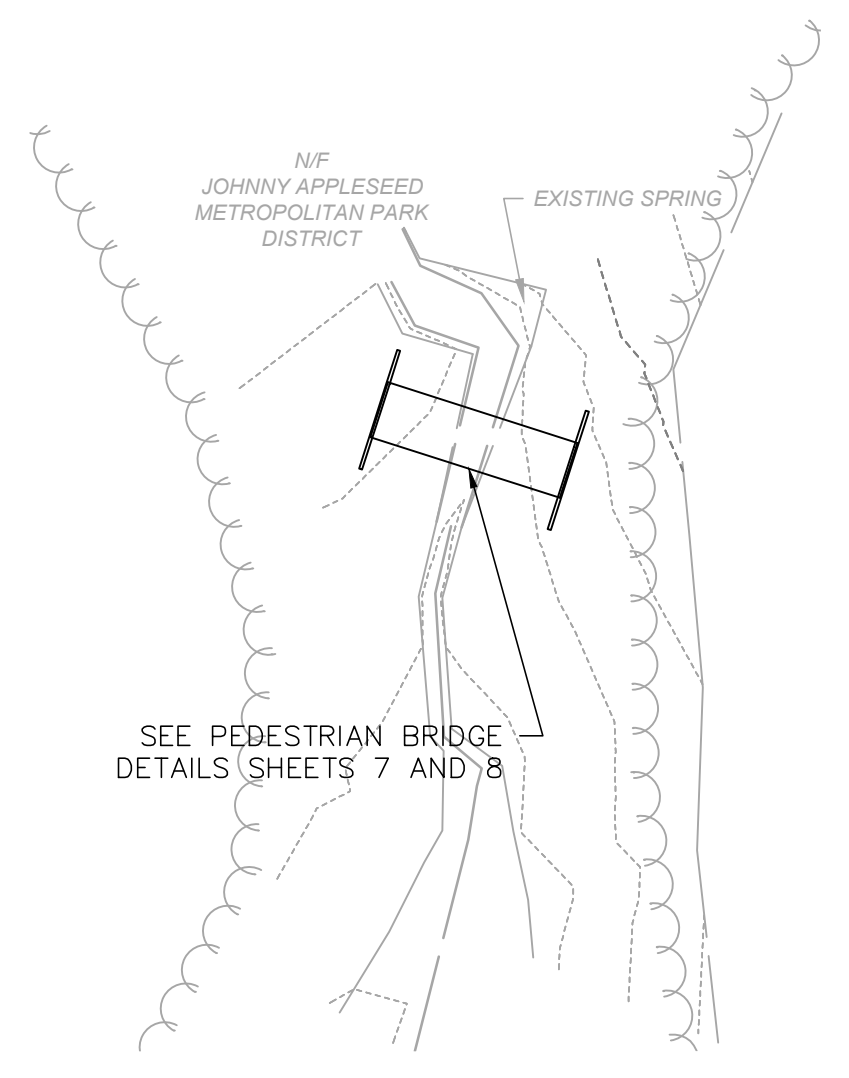
ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
DRAFT	4/2/2020	AS NOTED			

NO	REVISION	DATE

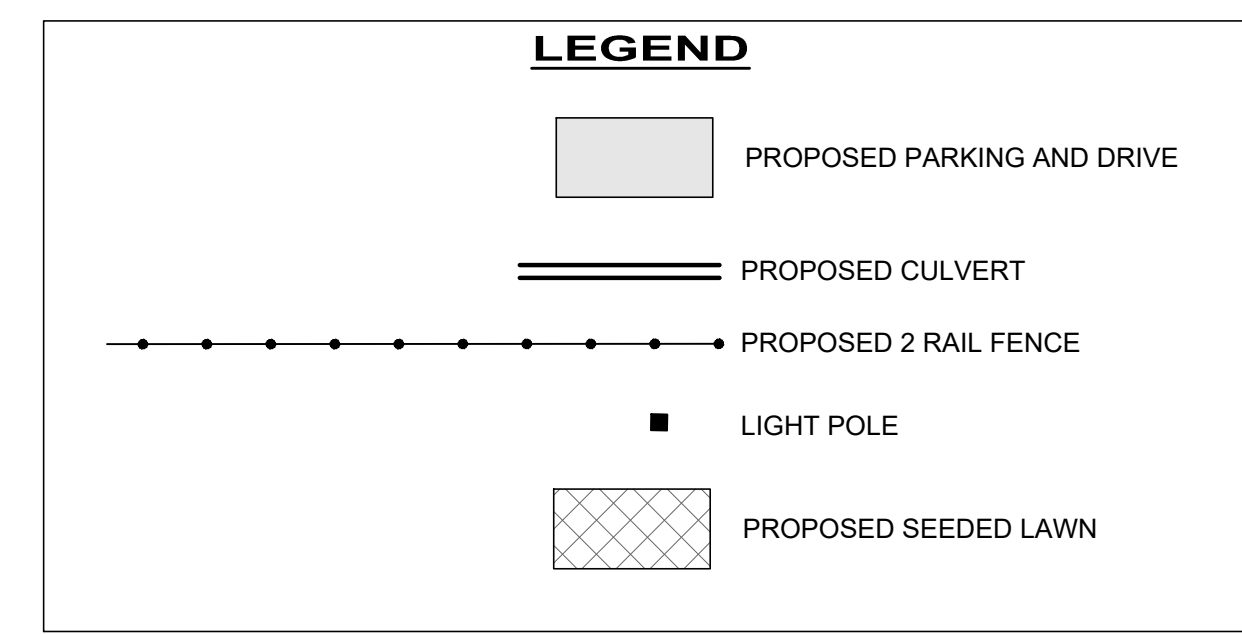
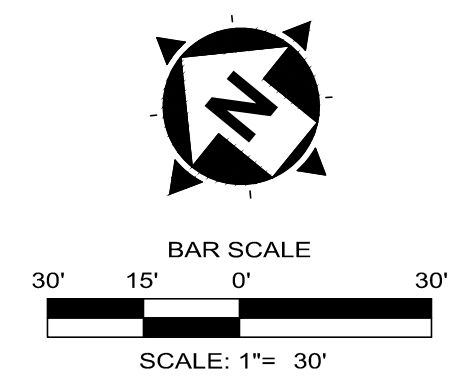
JOHNNY APPELSEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
PARKING LOT & SHELTER SITE IMPROVEMENT - 01 SERIES
EXISTING CONDITIONS PLAN

PROJECT NO.	190538
SHEET	4
OF	12

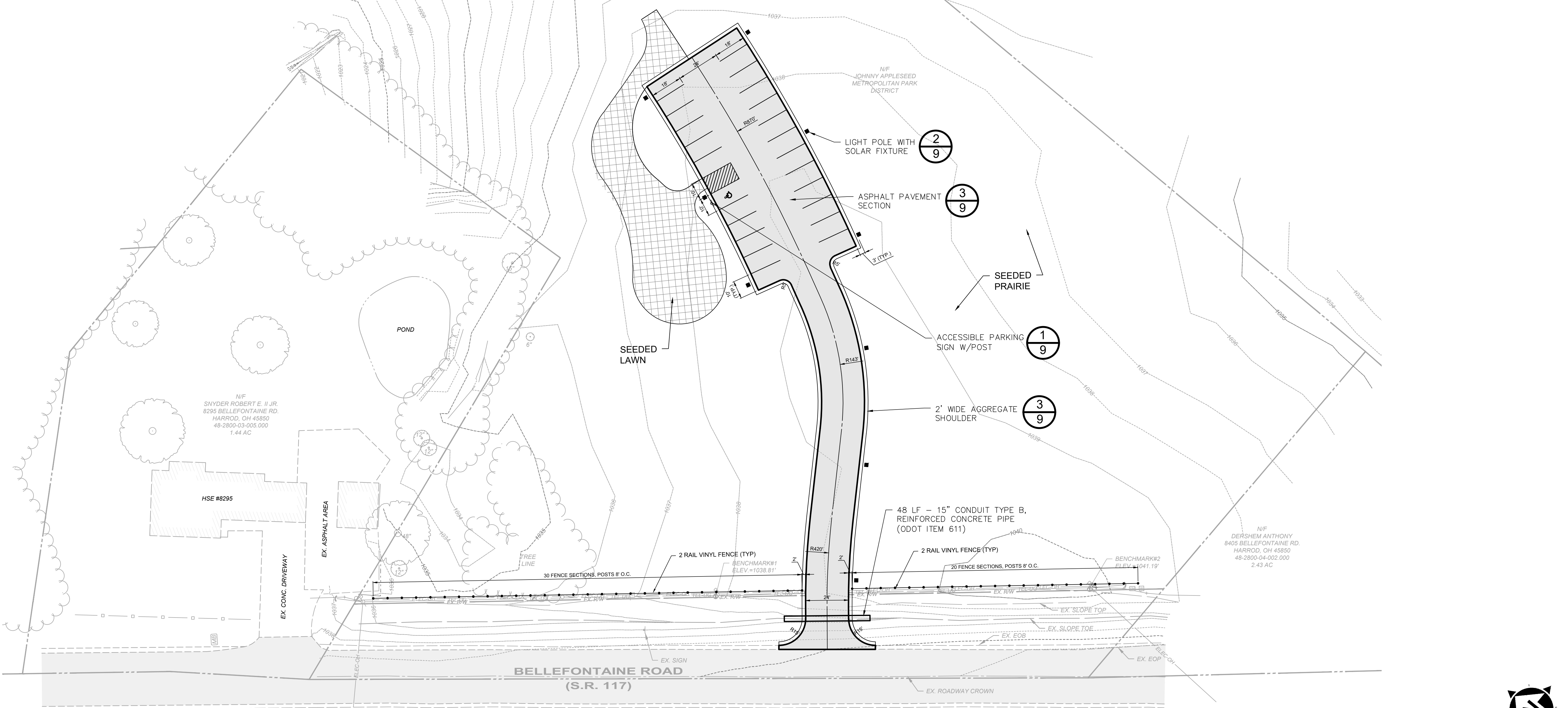
H:\2019\190538\DWG\HEETC-190538-EXISTING CONDITIONS PLAN.DWG - 4-EXISTING CONDITIONS PLAN - 07/20/20 12:00:29 PM - SAMER AWADALLAH



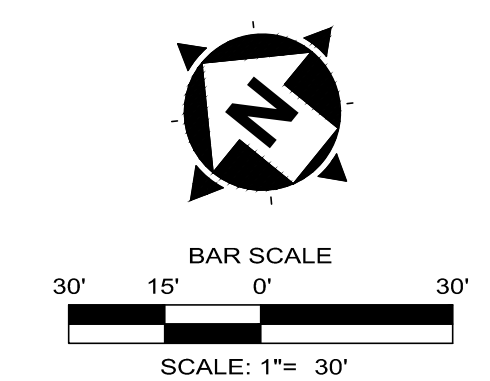
PEDESTRIAN BRIDGE PLAN VIEW
SCALE: 1" = 30'

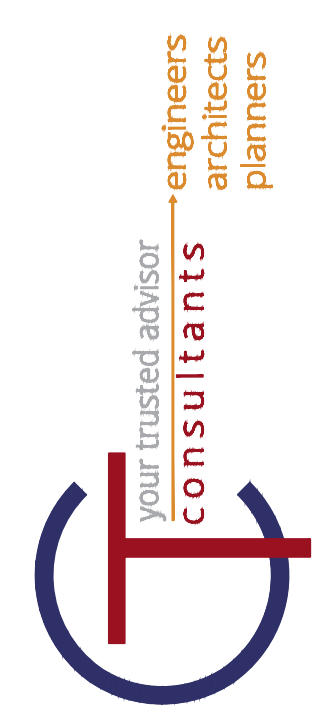


BENCHMARKS:
 BM#1 BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 250 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1038.81'
 BM#2 BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 40 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1041.19'



PARKING LOT & SHELTER PLAN VIEW
SCALE: 1" = 30'





your trusted advisor
consultants
architects
planners

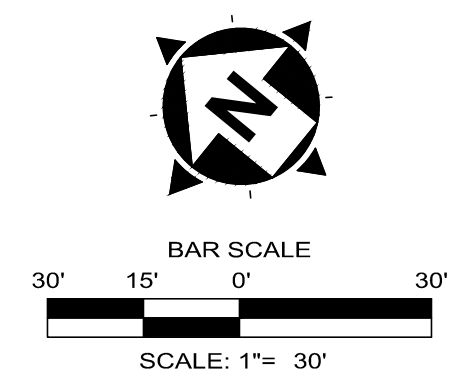
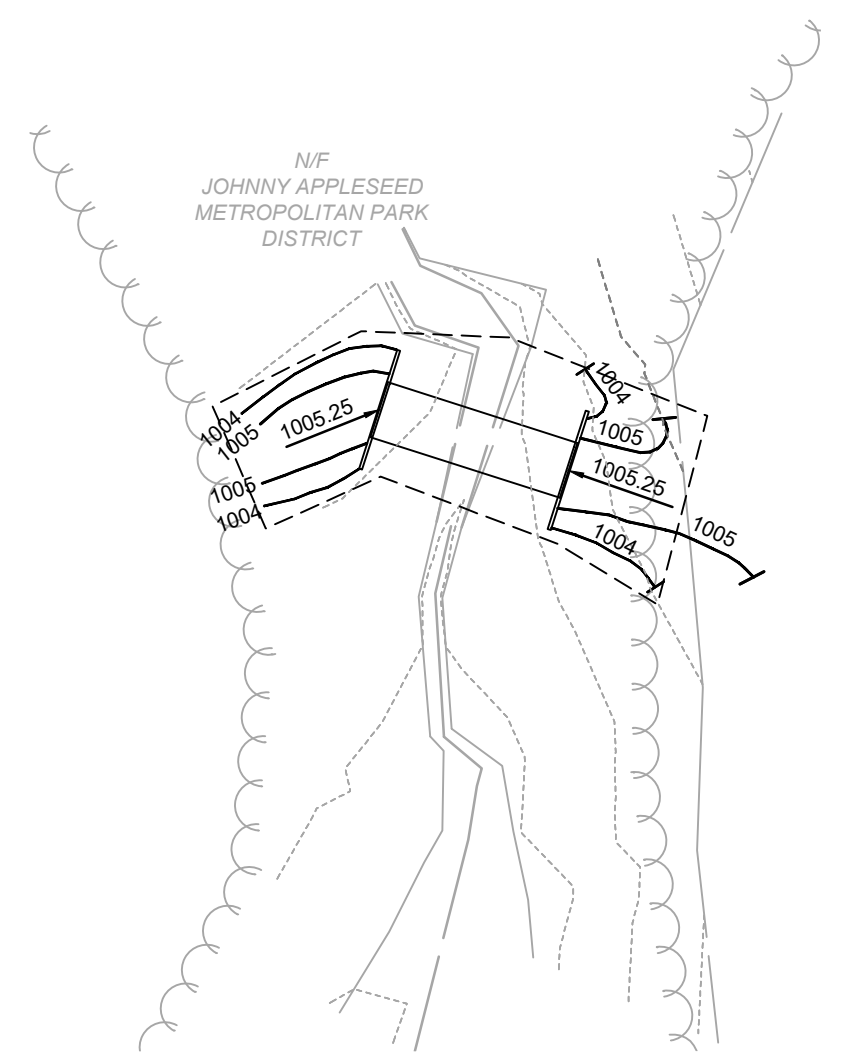
ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
DRAFT	4/2/2020	AS NOTED	PJR	SVE	PARSSA

NO	REVISION	DATE

JOHNNY APPLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
 AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
PARKING LOT & SHELTER SITE IMPROVEMENT - 01 SERIES
 SITE LAYOUT PLAN

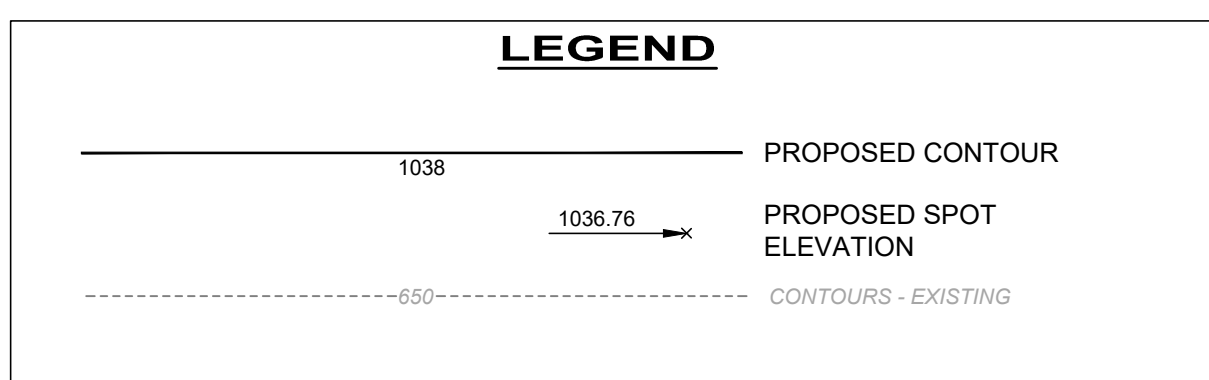
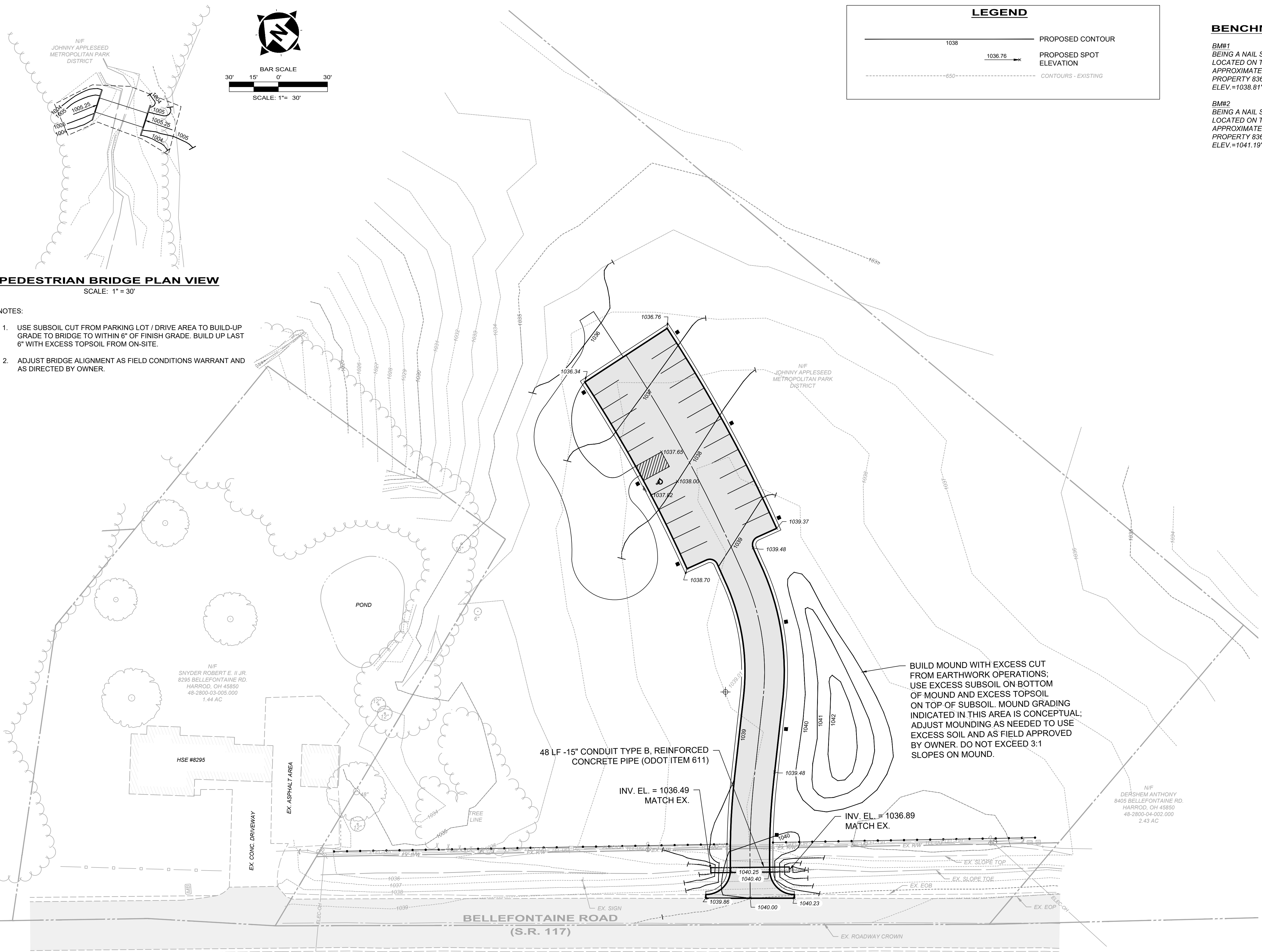
PROJECT NO.
190538

SHEET	OF
5	12



PEDESTRIAN BRIDGE PLAN VIEW
SCALE: 1" = 30'

- NOTES:
1. USE SUBSOIL CUT FROM PARKING LOT / DRIVE AREA TO BUILD-UP GRADE TO BRIDGE TO WITHIN 6" OF FINISH GRADE. BUILD UP LAST 6" WITH EXCESS TOPSOIL FROM ON-SITE.
 2. ADJUST BRIDGE ALIGNMENT AS FIELD CONDITIONS WARRANT AND AS DIRECTED BY OWNER.

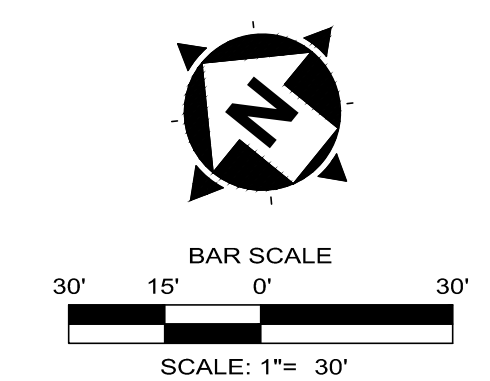


BENCHMARKS:

BM#1
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 250 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1038.81'

BM#2
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD, APPROXIMATELY 40 FEET NORTHWEST FROM THE DRIVE AT PROPERTY 8360 BELLEFONTAINE ROAD. ELEV.=1041.19'

PARKING LOT & SHELTER PLAN VIEW
SCALE: 1" = 30'



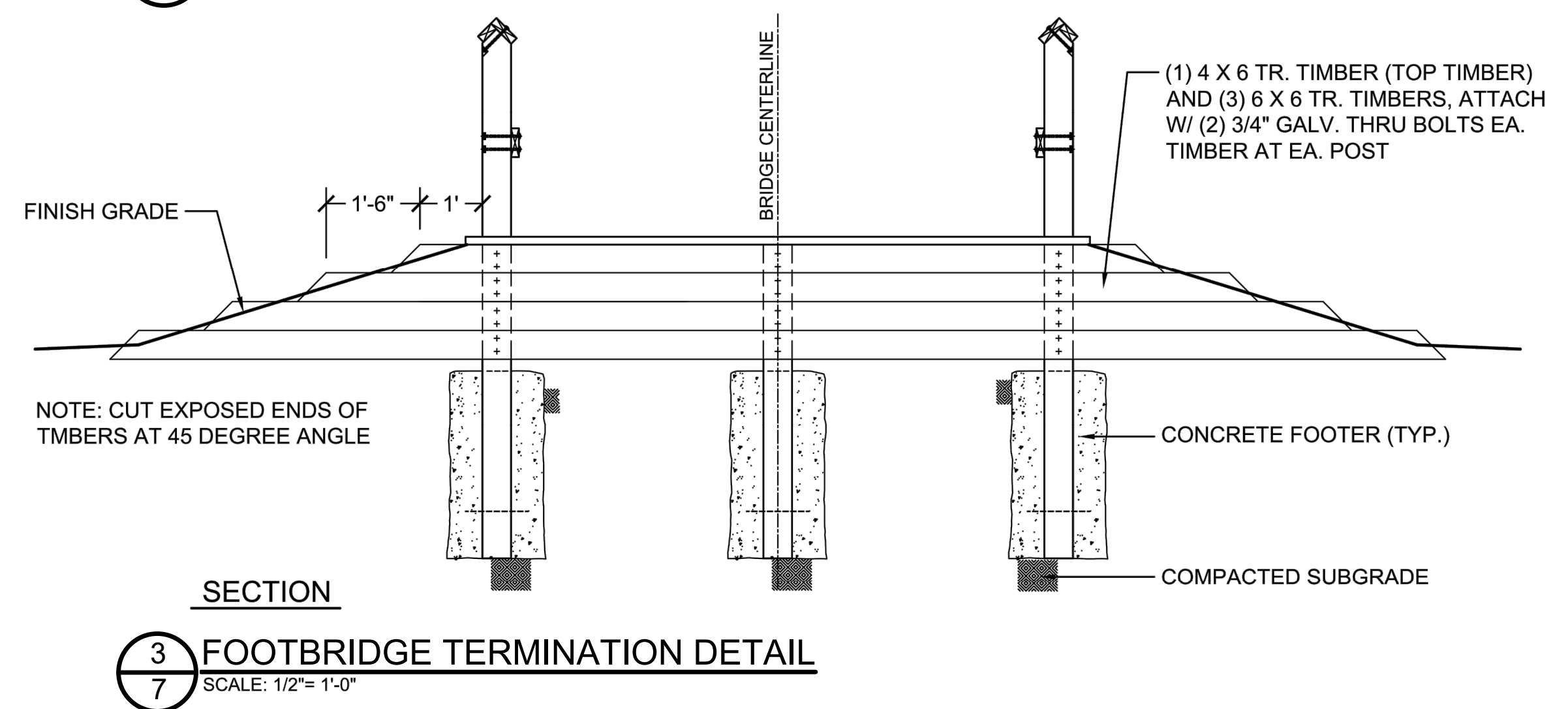
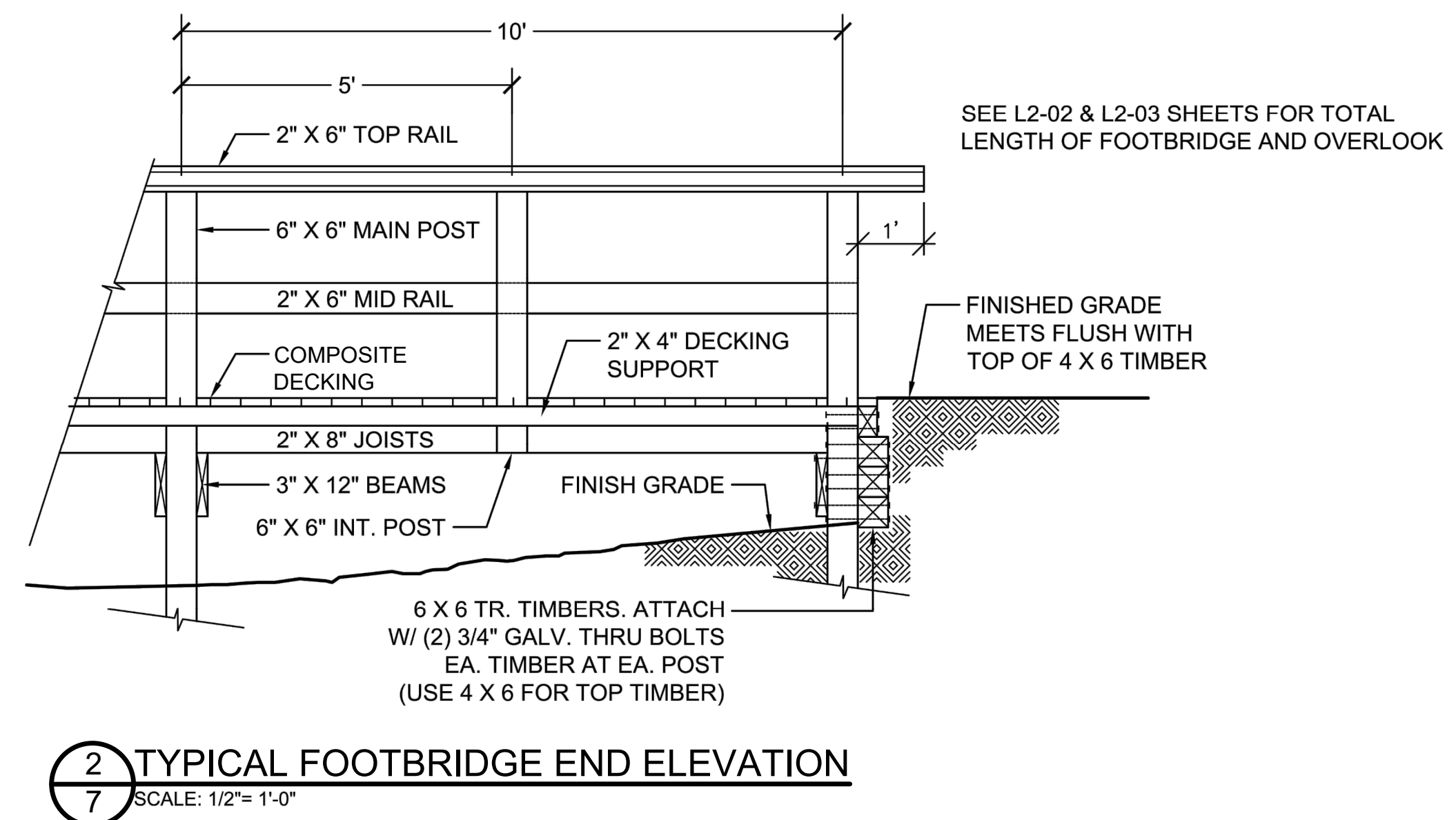
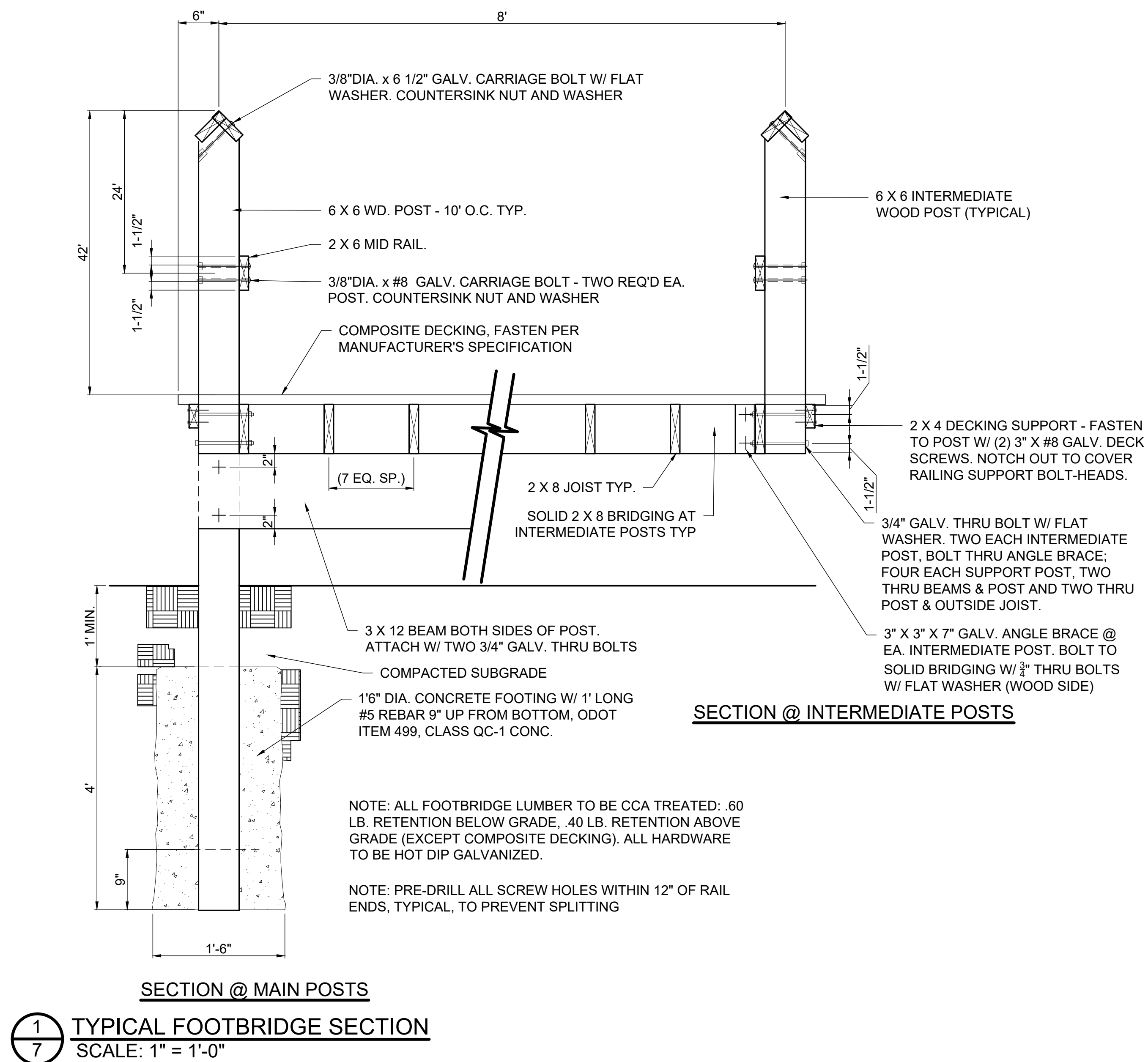
your trusted advisor
consultants
architects
planners

ISSUED FOR:	DRAFT	NO	REVISION	DATE
ISSUE DATE:	4/3/2020			
SCALE:	AS NOTED			
DESIGNED BY:	BEK			
DRAWN BY:	BEK			
CHECKED BY:	PARSSA			

JOHNNY APPLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
PARKING LOT & SHELTER SITE IMPROVEMENT - 01 SERIES
GRADING PLAN

PROJECT NO.
190538

SHEET	OF
6	12

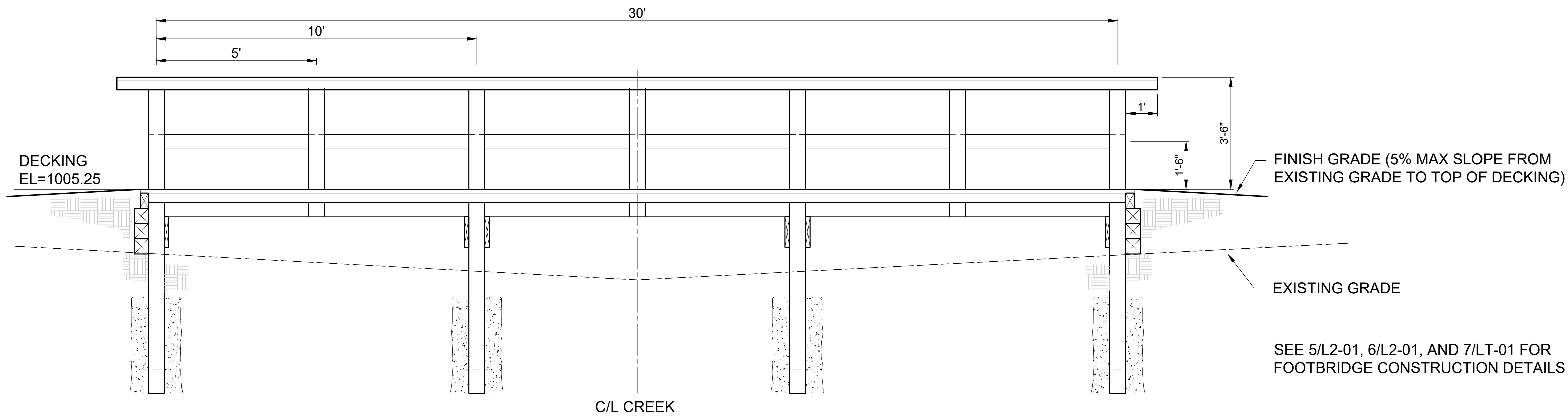


NO	REVISION	DATE

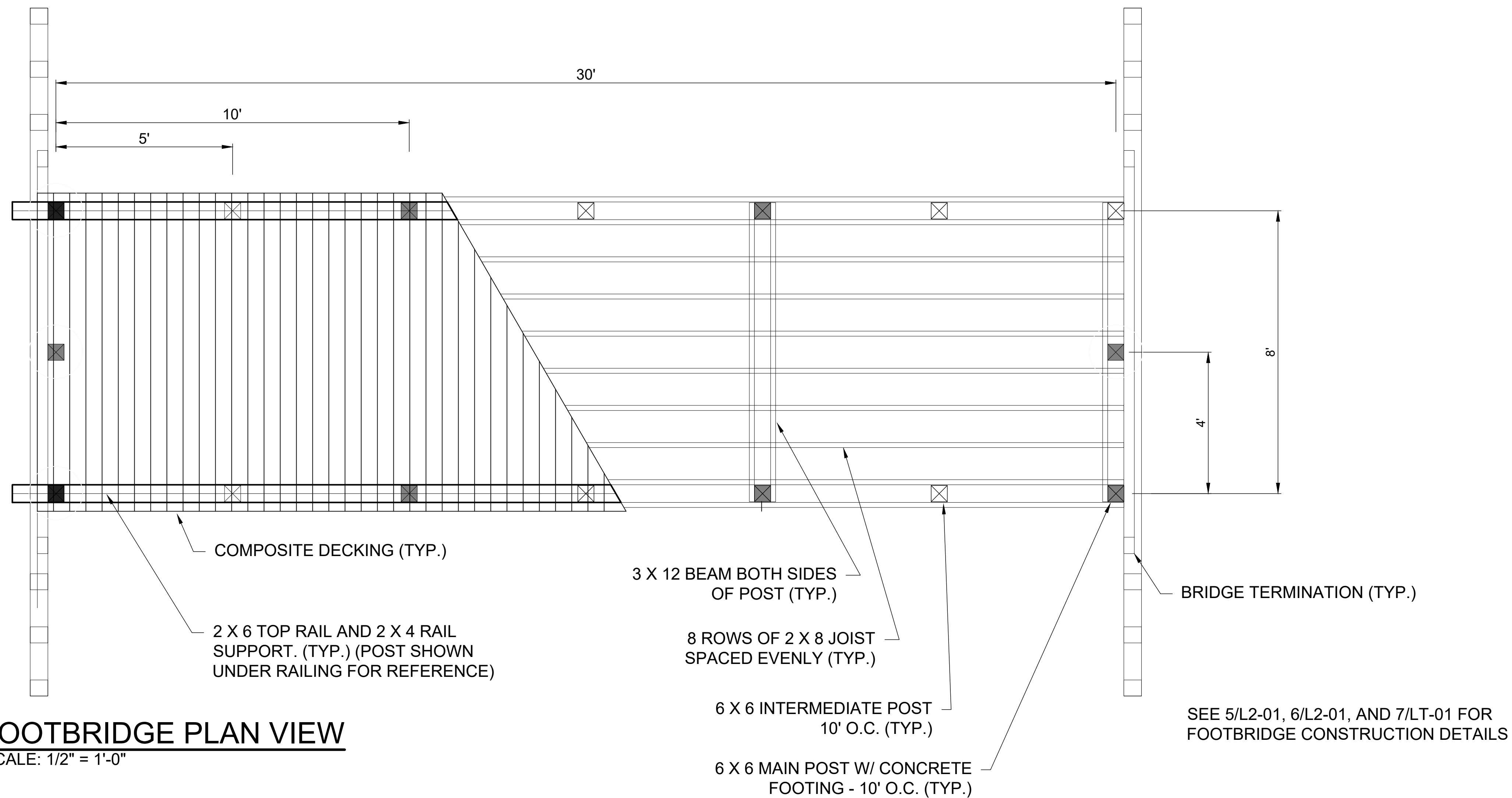
ISSUED FOR:	DRAFT
ISSUE DATE:	4/3/2020
SCALE:	AS NOTED
DESIGNED BY:	PJR
DRAWN BY:	BEK
CHECKED BY:	PJRSSA

JOHNNY APLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
CONSTRUCTION DETAILS - 10 SERIES
PEDESTRIAN BRIDGE DETAILS

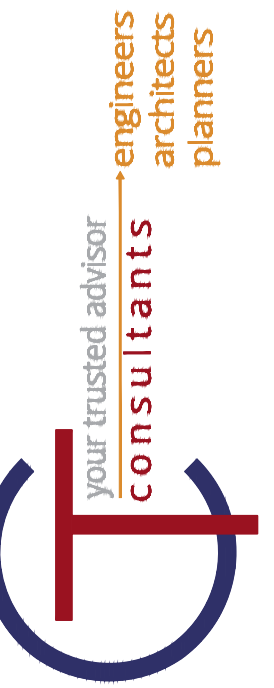
PROJECT NO.
190538



1
8 **FOOTBRIDGE ELEVATION VIEW**
SCALE: 1/2" = 1'-0"



2
8 **FOOTBRIDGE PLAN VIEW**
SCALE: 1/2" = 1'-0"

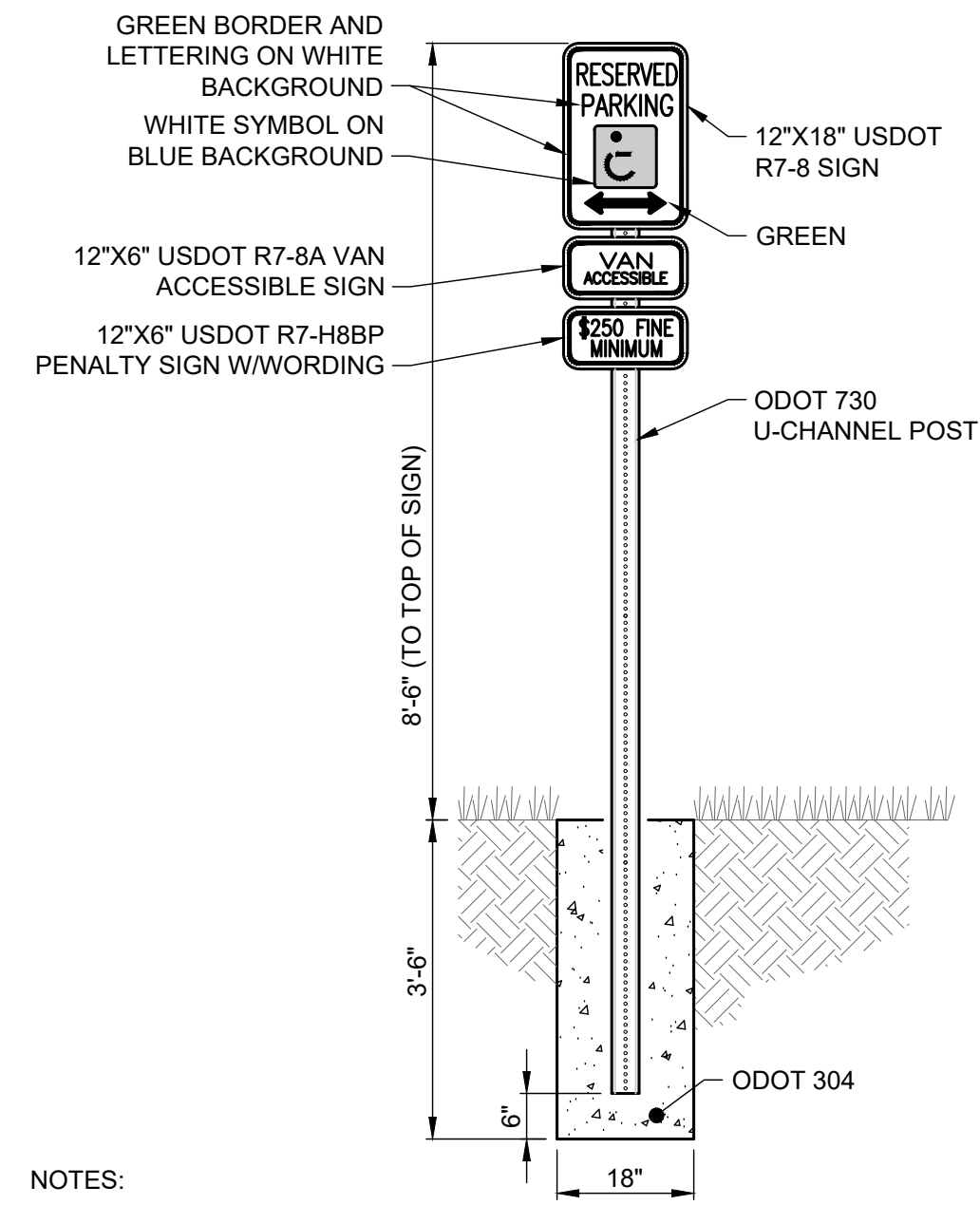


ISSUED FOR:	DRAFT	NO	REVISION	DATE
ISSUE DATE:	4/2/2020			
SCALE:	AS NOTED			
DESIGNED BY:	PJR			
DRAWN BY:	BEK			
CHECKED BY:	PJRSSA			

JOHNNY APPELSEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
CONSTRUCTION DETAILS - 10 SERIES
PEDESTRIAN BRIDGE DETAILS

PROJECT NO.
190538

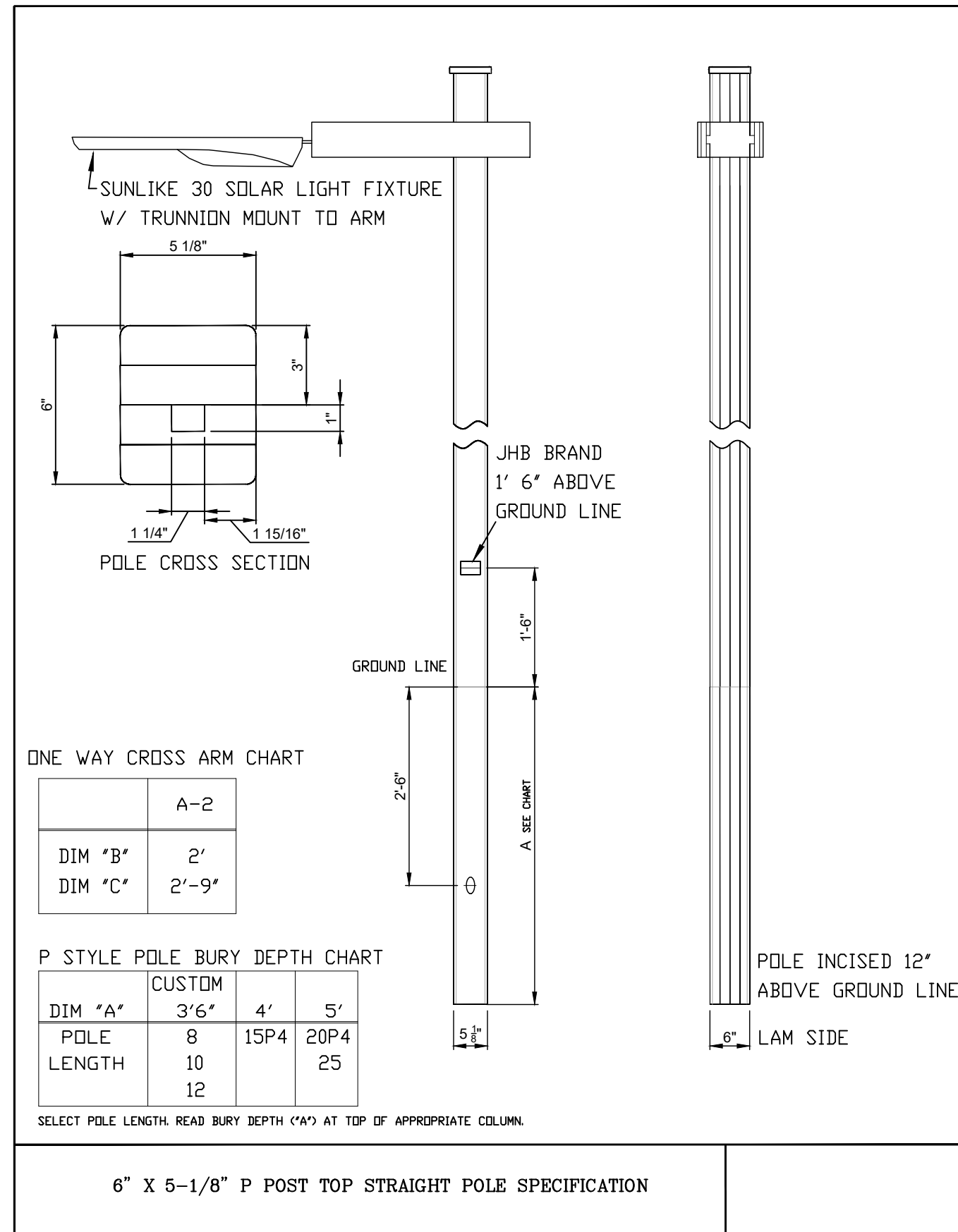
SHEET	OF
8	12



NOTES:

1. ALL CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1.
2. PRIME AND FINISH POST. FINISH COLOR: WHITE.
3. PRIME AND FINISH PAINT BACKS OF SIGN PANEL TO MATCH POSTS.
4. POST TO BE CCA TREATED: .60 LB. RETENTION.
5. ATTACH SIGN PANELS TO POSTS W/ 2" L SS ROUND HEAD WOOD SCREWS W/ SS FLAT HEAD WASHERS ON SIGN FACE SIDE. 2 SCREWS PER SIGN PANEL.

1
9 ACCESSIBLE PARKING SIGN W/POST DETAIL
SCALE: NONE



ONE WAY CROSS ARM CHART

DIM "A"	A-2
DIM "B"	2'
DIM "C"	2'-9"

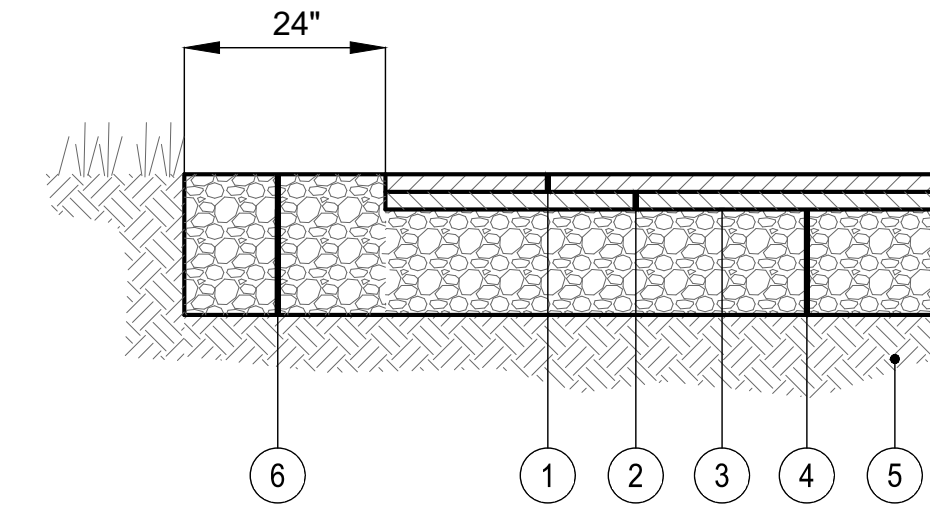
P STYLE POLE BURY DEPTH CHART

DIM "A"	CUSTOM		
	3'6"	4'	5'
POLE	8	15P4	20P4
LENGTH	10		25
	12		

SELECT POLE LENGTH READ BURY DEPTH ("A") AT TOP OF APPROPRIATE COLUMN.

6" X 5-1/8" P POST TOP STRAIGHT POLE SPECIFICATION

2
9 LIGHT POLE WITH SOLAR FIXTURE
SCALE: NONE



PAVEMENT SECTION BASED ON TYPICAL SITE CONDITIONS. ANY AREAS OF BAD SOILS MUST BE REMOVED AND RECOMPACTED TO 95% MODIFIED PROCTOR.

- 1 ODOT ITEM 448 (TYPE 1) 1-1/4" ASPHALT CONCRETE SURFACE COURSE, PG 64-22
- 2 ODOT ITEM 441 (TYPE 2) 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, PG 64-22
- 3 ODOT ITEM 407 TACK COAT (0.075 GAL./S.Y.)
- 4 ODOT ITEM 304 8" AGGREGATE BASE
- 5 ODOT ITEM 204 SUBGRADE COMPACTION
- 6 ODOT ITEM 304 11" AGGREGATE BASE

3
9 ASPHALT PAVEMENT SECTION W/ AGGREGATE SHOULDER
SCALE: NONE



NO	REVISION	DATE

ISSUED FOR: DRAFT
 ISSUE DATE: 4/2/2020
 SCALE: AS NOTED
 DESIGNED BY: PJR
 DRAWN BY: BEK
 CHECKED BY: PARRSA

PROJECT NO.
190538

SHEET **9** OF **12**

JOHNNY APPELSEED METROPOLITAN PARK DISTRICT
 LOWRY FARM
 NEW SITE PARKING LOT & SHELTER
 AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
 CONSTRUCTION DETAILS - 10 SERIES
 MISCELLANEOUS DETAILS

SITE AND PROJECT INFORMATION

PROJECT NAME AND LOCATION:
 LOWRY FARM – JOHNNY APPELESEED METROPOLITAN PARK DISTRICT IMPROVEMENTS PROJECT
 NEW SITE PARKING LOT & SHELTER
 AUGLAIZE TOWNSHIP, ALLEN COUNTY, OHIO

OWNER INFORMATION:
 JOHNNY APPELESEED METROPOLITAN PARK
 2355 ADA ROAD
 LIMA, OH 45801
 PHONE: 419-221-1232
 jmpd@jampd.com

GENERAL CONTRACTOR INFORMATION:

BUSINESS NAME _____
 STREET ADDRESS _____
 CITY _____ STATE _____ ZIP CODE _____
 CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR AUTHORIZING AND AMENDING THE SWPPP:
 CONTACT NAME _____ PHONE NUMBER _____

PROJECT DESCRIPTION:
 ADDING A PROPOSED PARKING LOT AND A PEDESTRIAN BRIDGE AS SHOWN ON THE SITE IMPROVEMENT PLAN.

PRIOR LAND USE:
 THE SITE IS CURRENTLY A FARM LAND.

TYPE OF CONSTRUCTION (CHECK ALL THAT APPLY):
 - MAINTENANCE - RETAIL CENTER - COMMERCIAL
 - REDEVELOPMENT - MANUFACTURING - INDUSTRIAL
 - NEW DEVELOPMENT - HEALTH FACILITY - SUBDIVISION
 X OTHER: PARK PARKING LOT - OUTLOT

SITE AREA SUMMARY:
 TOTAL PROJECT SITE AREA: 75 AC.
 AREA TO BE DISTURBED: 0.98 AC.

PRE-DEVELOPMENT RUN-OFF COEFFICIENT: 0.8
 POST-DEVELOPMENT RUN-OFF COEFFICIENT: 0.8

ESTIMATED CONSTRUCTION START DATE: JUNE, 2020
 ESTIMATED CONSTRUCTION COMPLETION DATE: DEC, 2020

SITE SOIL TYPES AND DESCRIPTIONS:

NAME	DESCRIPTION	% OF SITE
GWE1B1	GLYNWOOD SILT LOAM, END MORaine, 2 TO 6 PERCENT SLOPES	75%
BLE1B1	BLOUNT SILT LOAM, END MORaine, 2 TO 4 PERCENT SLOPES	4%
PMA	PEWAMO SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES,	21%

NAME OF RECEIVING STREAM OR SURFACE WATER:
 AUGLAIZE RIVER.

EROSION AND SEDIMENT CONTROL MEASURES USED ON THE SITE:
 SILT FENCE, CONSTRUCTION ENTRANCE, CONCRETE WASHOUT PIT AND PERMANENT SEEDING.

EROSION AND SEDIMENT CONTROL MEASURES TO REMAIN AFTER CONSTRUCTION AND BECOME THE POST CONSTRUCTION CONTROL MEASURES:
 PERMANENT SEEDING.

SOIL PROTECTION CHART

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			●	●	●	*	*	*	*	●		
TEMPORARY SEEDING			●	●	●	*	*	*	*	●		
SODDING			*	*	*	*	*	*	*	●		
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●

(*) – IRRIGATION NEEDED

GENERAL NOTES

- THE CONTRACTOR SHALL FOLLOW THE PRACTICES AND REQUIREMENTS OF EROSION AND SEDIMENT CONTROL IN THE MOST CURRENT STANDARDS AND SPECIFICATIONS FOR A) ODNM RAINWATER AND LAND DEVELOPMENT MANUAL AND B) OHIO EPA GENERAL PERMIT FOR CONSTRUCTION SITE STORM WATER.
- THE CONTRACTOR SHALL USE EROSION CONTROL MEASURES TO PREVENT SEDIMENT MOVEMENT.
- SOIL STOCKPILES SHALL BE RINGED WITH SILT FENCE ALONG THE BOTTOM FOOTPRINT. IF THE STOCKPILE WILL BE INACTIVE FOR 21 DAYS OR MORE, THE SURFACE SHALL BE SEEDED OR STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY.
- THE CONTRACTOR MAY NEED ADDITIONAL DEWATERING OR EROSION AND SEDIMENTATION PREVENTION MEASURES TO CONTEND WITH GROUNDWATER. GROUNDWATER, STORM WATER AND SEDIMENT BEARING DRAINAGE SHALL BE FILTERED OR PONDED TO ALLOW REMOVAL OF SILT, SEDIMENT, DEBRIS AND OTHER POLLUTANTS PRIOR TO DISCHARGE FROM THE SITE (I.E. SETTLING IN PLACE OR DEWATERING INTO A SUMP PIT OR FILTER BAG). SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL. WATER WITH A VISIBLE SHEEN MUST BE REMOVED BY A VACUUM TRUCK. THERE SHALL BE NO TURBID OR MURKY DISCHARGES TO SURFACE WATERS RESULTING FROM DEWATERING ACTIVITIES. GROUNDWATER DEWATERING WHICH DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS DOES NOT REQUIRE TREATMENT PRIOR TO DISCHARGE, BUT CARE MUST BE TAKEN TO ENSURE IT DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT SOURCES OR ERODE THE DISCHARGE AREA.
- IF UNFORESEEN ENVIRONMENTAL CONDITIONS ARE ENCOUNTERED, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NECESSARY. IF THERE IS A CHANGE IN DESIGN, CONSTRUCTION OR OPERATION THAT COULD DISCHARGE POLLUTANTS TO SURFACE WATERS, THE REVISION TO THE SWPPP MUST BE COMPLETED AS SOON AS PRACTICAL AND PRIOR TO THE NEXT STORM EVENT. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY ALSO BE REQUESTED BY THE OWNER, LOCAL AUTHORITY, ENGINEER, SOIL AND WATER CONSERVATION DISTRICT, OR OHIO EPA AT ANYTIME. SUCH REQUEST SHALL BE IMPLEMENTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CLEARING, GRUBBING, GRADING OR OTHER CONSTRUCTION ACTIVITY AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND DISTURBED AREAS ARE STABILIZED. APPROPRIATE CONTROLS SHALL BE CONSTRUCTED OR EXISTING CONTROLS ALTERED TO ADDRESS CHANGING DRAINAGE PATTERNS AS CONSTRUCTION PROGRESSES OR TOPOGRAPHY IS ALTERED.
- THE CONTRACTOR SHALL REMOVE ALL MUD, SOIL OR DEBRIS DEPOSITED ON ROADS, DRIVE LANES, ETC. AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE DAY.

SPILL PREVENTION AND MATERIAL MANAGEMENT PRACTICES

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN AN ORDERLY MANNER IN APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL UNLESS NOT RESEALABLE.
- SUBSTANCES NOT TO BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, USE ALL OF A PRODUCT BEFORE DISPOSING OF THE CONTAINER. FOLLOW LOCAL, STATE AND MANUFACTURERS' RECOMMENDED DISPOSAL METHODS IF SURPLUS PRODUCT IS TO BE DISPOSED OF.
- THE CONTRACTOR SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.
- SAFETY DATA SHEETS (SDS) MUST BE RETAINED ON-SITE.
- SPILL CONTROL PRACTICES:
 - MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP MUST BE POSTED AND SITE PERSONNEL MADE AWARE OF THE PROCEDURES, LOCATION OF THE INFORMATION AND LOCATION OF CLEANUP SUPPLIES.
 - SPILLS SHALL BE CLEANED IMMEDIATELY AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING.
 - TOXIC OR HAZARDOUS MATERIAL SPILLS MUST BE REPORTED TO THE APPROPRIATE FEDERAL GOVERNMENT AGENCY, OHIO EPA (800-282-9378), FIRE DEPARTMENT (911) AND LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) REGARDLESS OF SIZE AND WITHIN 30 MINUTES OF A SPILL.
 - SPILL PREVENTION PLANS SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT A SPILL TYPE FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT AND THE CLEAN-UP MEASURES SHALL BE INCLUDED.

PRODUCT SPECIFIC PRACTICES

SOLID, SANITARY AND TOXIC WASTE SHALL BE DISPOSED IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY OR POUR ONTO THE GROUND OR INTO A SEWER SOLVENTS, PAINT, STAINS, DIESEL FUEL, GASOLINE, MOTOR OIL, HYDRAULIC FLUID, CEMENT CURING COMPOUNDS, ANTIFREEZE, OR OTHER TOXIC OR HAZARDOUS WASTE.

PETROLEUM PRODUCTS: ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS AND CLEARLY LABELED.

FERTILIZERS: APPLY FERTILIZER ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. CONTENTS OF PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS: CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER, BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS: CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE. WASH OUT OF CONCRETE TRUCKS SHALL OCCUR IN A DESIGNATED AREA WHERE THE WASHING CAN COLLECT AND BE DISPOSED OF PROPERLY WHEN HARDENED.

WASTE MATERIALS: COLLECT WASTE MATERIALS INCLUDING TRASH AND CONSTRUCTION DEBRIS IN A SECURELY LIDDED DUMPSTER AND DISPOSE IN AN OHIO EPA APPROVED LANDFILL. MATERIALS WHICH CONTAIN ASBESTOS TO COMPLY WITH THE OHIO EPA AIR POLLUTION REGULATIONS. THE DUMPSTER IS TO BE HAULED OFF-SITE AND EMPTIED AS NECESSARY.

HAZARDOUS WASTE: DISPOSE OF HAZARDOUS WASTE MATERIALS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS OR AS SPECIFIED BY THE MANUFACTURER.

SANITARY WASTE: CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES AT THE SITE AND IT SHALL BE SERVICED BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS 1 TIME PER WEEK, OR MORE OFTEN IF NECESSARY.

OFF-SITE VEHICLE TRACKING: A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE SHALL BE SWEEPED DAILY, OR MORE OFTEN IF NECESSARY, TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN.

FUEL STORAGE TANKS: FUEL STORAGE TANKS SHALL BE LOCATED IN DIKED AREAS AND AWAY FROM DRAINAGE CHANNELS. THE DIKED AREAS SHOULD HOLD A VOLUME OF AT LEAST 110% OF THE LARGEST TANK. THE DIKED AREAS ARE NOT NECESSARY IF THE CONTRACTOR USES SELF-CONTAINED SPILL PROOF TANKS.

POLLUTION PREVENTION PLAN INVENTORY

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE ANTICIPATED TO BE PRESENT ON-SITE DURING CONSTRUCTION:

X CONCRETE X FERTILIZERS X PAINTS (ENAMEL AND LATEX)
 X ASPHALT X DETERGENTS X PETROLEUM BASED PRODUCTS
 X TAR X CMU BLOCK X CLEANING SOLVENTS

MAINTENANCE AND INSPECTION PROCEDURES

- SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, VERIFICATION FABRIC IS SECURELY ATTACHED TO FENCE POSTS, AND VERIFICATION FENCE POSTS ARE FIRMLY IN THE GROUND. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED 1/3 THE FENCE HEIGHT.
- DUST CONTROL:** THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY (I.E. MOTORIZED STREET SWEEPING DEVICE) TO MAINTAIN ROADWAYS USED FOR SITE ACCESS AT THE END OF EACH WORK DAY OR AS REQUIRED AND ADHERE TO ALL GOVERNING AUTHORITY ORDINANCES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. ANY REPAIR NEEDED SHALL TO BE INITIATED WITHIN 24 HOURS OF THE REPORT.

STABILIZATION PRACTICES

- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL DEVICES IN AREAS TO REMAIN DISTURBED FOR 14 DAYS OR UNTIL PERMANENT STABILIZATION IS COMPLETE. PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.
- ALL EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED UNLESS THE SEWER IS INACTIVE DUE TO PRIOR WORK. DO NOT REMOVE INLET PROTECTION FROM EXISTING STORM INLET BASINS TO BE REMOVED OR ABANDONED UNTIL AFTER THE DOWNSTREAM STORM STRUCTURE IS PLUGGED FROM STORM FLOW.
- SEDIMENT PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.
- TEMPORARY STABILIZATION:** DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR MORE THAN 21 DAYS, BUT LESS THAN 1 YEAR, SHALL FOLLOW THIS CHART:

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
Disturbed areas within 50 feet of surface water, not at final grade, and to remain idle more than 21 days.	Within 2 days of the most recent disturbance.
Disturbed areas not within 50 feet of surface water, to be dormant more than 21 days, but less than 1 year.	Within 7 days of the most recent disturbance.
Disturbed areas that will remain idle over the winter.	Prior to the onset of winter weather.
For areas to be paved, disturbed areas that will remain dormant for the time constraints mentioned in the above criteria.	Temporarily stabilize with geotextile and/or stone subbase until pavement is installed.

- PERMANENT STABILIZATION:** DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL FOLLOW THIS CHART:

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
Areas to be dormant for 1 year or more.	Within 7 days of the most recent disturbance.
Areas within 50 feet of surface water and at final grade.	Within 2 days of reaching final grade.
All other areas at final grade.	Within 7 days of reaching final grade.

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES FOR SWPPP:

- A PRE-CONSTRUCTION MEETING TO BE HELD TO DISCUSS THE REQUIREMENTS.
- SUBMIT A CONSTRUCTION SCHEDULE FOR PROPOSED CONSTRUCTION ACTIVITIES.
- ESTABLISH THE STAGING AREA AND ALL NON-SEDIMENT POLLUTION CONTROLS.
- INSTALL SILT FENCE, INLET PROTECTION AND CONSTRUCTION ENTRANCE PRIOR TO ANY EARTH DISTURBANCE ACTIVITY.
- BEGIN SITE DEMOLITION AND CONSTRUCTION.
- BEGIN EARTHWORK GRADING OPERATIONS.
- CONSTRUCT UTILITIES.
- BEGIN PAVING OPERATIONS.
- PERMANENTLY SEED DISTURBED AREAS WITHIN 7 DAYS OF FINAL GRADING.
- INSTALL LANDSCAPING.
- CONTINUE INSPECTIONS AND MAINTENANCE UNTIL FINAL STABILIZATION IS ACHIEVED.
- AT COMPLETION OF ALL WORK, CONTRACTOR IS TO:
 - DISPOSE OF ALL DEBRIS AND WASTE MATERIAL FROM THE SITE THAT RESULTED FROM CONSTRUCTION ACTIVITIES.
 - CLEAN ALL ROADS AND LAWNS OF DEBRIS AND DIRT.



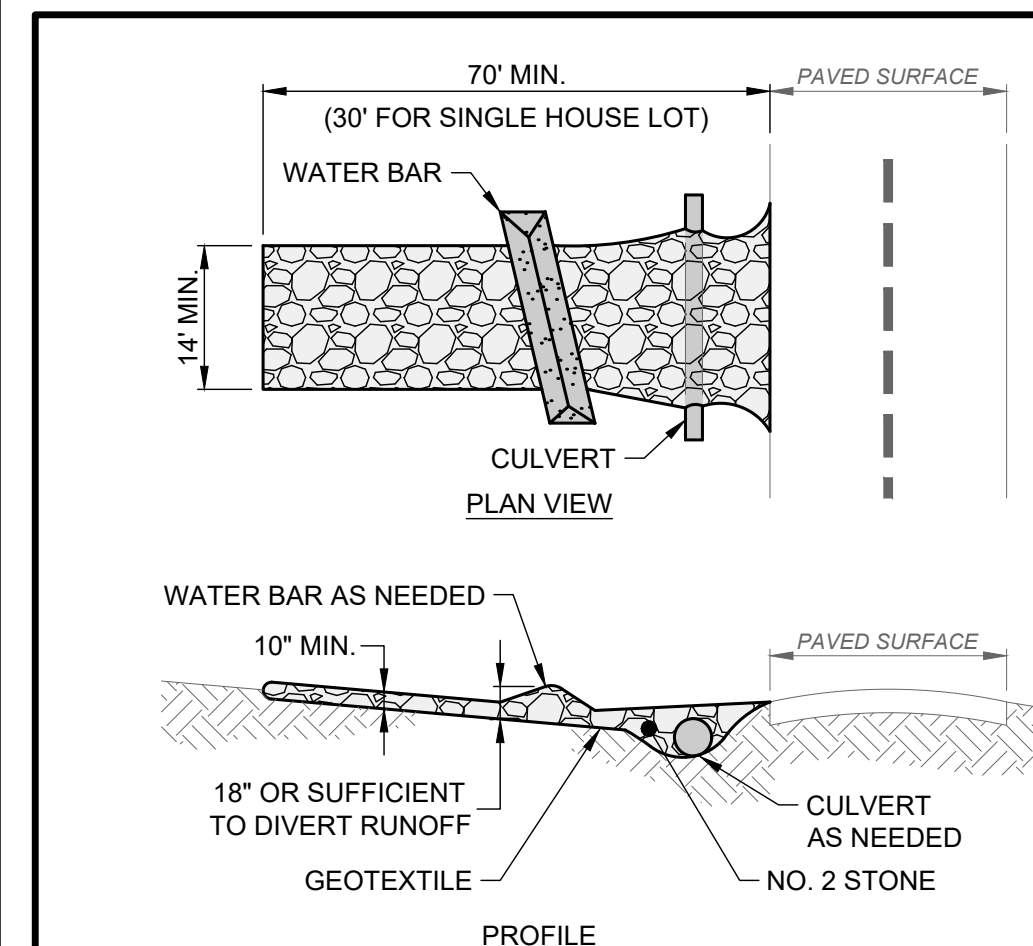
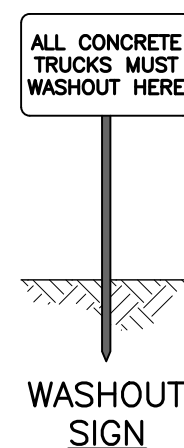
DATE	REVISION	NO	DRAFT	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			4/9/2020	AS NOTED	SSA	BEK	SSA		

JOHNNY APPELESEED METROPOLITAN PARK DISTRICT
 LOWRY FARM
 NEW SITE PARKING LOT & SHELTER
 AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
 STORM WATER POLLUTION PREVENTION PLAN
 SWPPP NOTES

PROJECT NO.
190538

CONCRETE WASHOUT PIT (CW)

- NOTES:
- MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED.
 - WASH WATER SHALL NOT FLOW TO SURFACE WATERS.
 - WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
 - WASHOUT PIT SHALL HAVE SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
 - WASHOUT PIT SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
 - SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.
 - A GENERAL LOCATION FOR THE CONCRETE WASHOUT PIT IS SHOWN IN THE SWPPP, BUT MAY BE MOVED TO BETTER SUIT THE CONTRACTOR'S MEANS AND METHODS.



- NOTES:
- GEOTEXTILE SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS MEETING THE FOLLOWING:

TENSILE STRENGTH	200 LB
PUNCTURE STRENGTH	80 PSI
TEAR STRENGTH	50 LB
BURST STRENGTH	320 PSI
ELONGATION	20%
EQUIVALENT OPENING SIZE	< 0.6 MM
PERMITTIVITY	0.001 CM/SEC.

- INSTALL WATER BAR, AS NEEDED, TO PREVENT SURFACE RUNOFF FROM FLOWING OUT ONTO PAVEMENT.
- APPLY ADDITIONAL STONE AS CONDITIONS DEMAND, REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6", AND REPLACE IF STONES BECOMES MUD-LADEN.
- IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCE SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
- CONSTRUCTION ENTRANCE SHALL REMAIN UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY.

CONSTRUCTION ENTRANCE

SCALE: NONE

PERMANENT SEEDING (PS)

- SPECIFICATIONS FOR PERMANENT SEEDING SITE PREPARATION:**
- A SUBSOILER, PLOW OR OTHER IMPLEMENT TO BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. SUBSOILING TO BE DONE WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT TO BE DONE ON SLIP-PRONE AREAS.
 - GRADE THE SITE AS NEEDED TO PERMIT USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
 - APPLY RESOIL WHERE NEEDED TO ESTABLISH VEGETATION.

- SEEDBED PREPARATION:**
- APPLY AGRICULTURAL GROUND LIMESTONE TO ACIDIC SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY AT RATE OF 100 LB/1,000 S.F. OR 2 TONS/AC.
 - APPLY FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY AT A RATE OF 12 LB/1,000 S.F. OR 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS.
 - LIME AND FERTILIZER TO BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3".

- SEEDING DATES AND SOIL CONDITIONS:**
- SEED MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. THESE ARE IDEAL SEEDING DATES, BUT SEEDING MAY BE MADE ANY TIME THROUGHOUT THE GROWING SEASON WITH THE USE OF ADDITIONAL MULCH AND IRRIGATION. TILLAGE/SEED BED PREPARATION TO BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. SEE THE FOLLOWING SECTION ON DORMANT SEEDING FOR WINTER SEEDING.

- DORMANT SEEDINGS:**
- DO NOT PLANT SEEDINGS FROM OCTOBER 1 TO NOVEMBER 20. SEEDS ARE LIKELY TO GERMINATE DURING THIS PERIOD, BUT PROBABLY WILL NOT SURVIVE THE WINTER.
 - THE FOLLOWING METHODS MAY BE USED:
 - FROM OCTOBER 1 TO NOVEMBER 20, PREPARE THE SEED BED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20 AND BEFORE MARCH 15, INCREASE THE SEEDING RATES BY 50% AND BROADCAST THE SEED MIXTURE.
 - FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEED BED, LIME AND FERTILIZER, APPLY THE SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 - APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDED (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON FIRM, MOIST SEED BED.
 - WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEED BED IS TO BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG.

- MULCHING:**
- APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING. SEEDING MADE DURING OPTIMUM SEEDING DATES ON FLAT AREAS WITH FAVORABLE SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE STABILIZATION. DORMANT SEEDING IS TO BE MULCHED.
 - SEE MULCHING FOR MATERIALS AND ANCHORING METHODS.

- IRRIGATION:**
- PERMANENT SEEDING TO INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED FOR ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.
 - EXCESSIVE IRRIGATION RATES TO BE AVOIDED AND IRRIGATION MONITORED TO PREVENT EROSION AND DAMAGE FROM RUNOFF.

- SPECIFICATIONS FOR MAINTENANCE OF PERMANENT SEEDING:**
- PERMANENT SEEDING TO NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. SEEDED AREAS TO BE INSPECTED FOR FAILURE AND VEGETATION REESTABLISHED AS NEEDED. DEPENDING ON SITE CONDITIONS, IT MAY BE NECESSARY TO IRRIGATE, FERTILIZE, OVERSEED, OR REESTABLISH PLANTINGS IN ORDER TO PROVIDE PERMANENT VEGETATION FOR ADEQUATE EROSION CONTROL.
 - ESTABLISH MAINTENANCE FERTILIZATION RATES BY SOIL TEST RECOMMENDATIONS OR BY USING THE FOLLOWING RATES:

SEED MIX	SEEDING RATE		NOTES:
	LB./AC.	LB./1,000 S.F.	
GENERAL USE			
Creeping Red Fescue	20-40	1/2 TO 1	
Domestic Ryegrass	10-20	1/4 TO 1/2	
Kentucky Bluegrass	10-20	1/4 TO 1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
STEEP BANKS OR CUT SLOPES			
Tall Fescue	40	1	
Crown Vetch	10	1/4	Do not seed later than August
Tall Fescue	20	1/2	
Flat Pea	20	1/2	Do not seed later than August
Tall Fescue	20	1/2	
ROAD DITCHES AND SWALES			
Tall Fescue	40	1	
Dwarf Fescue	90	2-1/4	Do not seed later than August
Kentucky Bluegrass	5		

PERMANENT SEEDING (continued)

LAWN			
Kentucky Bluegrass	60	1-1/2	
Perennial Ryegrass	60	1-1/2	
Kentucky Bluegrass	60	1-1/2	For shaded areas
Creeping Red Fescue	60	1-1/2	

Note: Other approved seed species may be substituted.

MAINTENANCE FOR PERMANENT SEEDINGS FERTILIZATION AND MOWING				
MIXTURE	FORMULA	LB./AC.	TIME	MOWING
Creeping Red Fescue Domestic Ryegrass Kentucky Bluegrass	10-10-10	500		≥3"
Tall Fescue	10-10-10	500	Fall, yearly or as needed	≥4"
Dwarf Fescue	10-10-10	500		≥2"
Crown Vetch Fescue	0-20-20	400	Spring, yearly following establishment,	Do not mow
Flat Pea Fescue	0-20-20	400	then every 4-7 years	

Note: Following soil test recommendations is preferred to the fertilizer rates above.

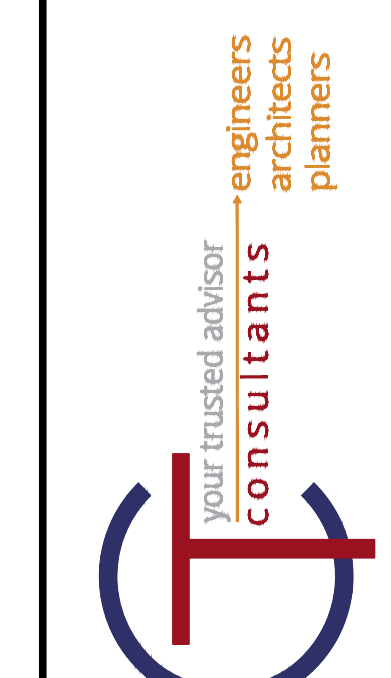
TEMPORARY SEEDING (TS)

- TEMPORARY SEED TO BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR BE SEEDED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS. THE SEED BED IS TO BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE STANDS OF VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- APPLY SEED UNIFORMLY WITH CYCLONE SEEDER, CULTIPACKER SEEDER OR HYDROSEEDER. COVER BROADCASTED SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, MIX THE SEED AND FERTILIZER ON SITE AND IMMEDIATELY USE.

- MULCHING TEMPORARY SEEDING**
- APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING. SEEDING MADE DURING OPTIMUM SEEDING DATES ON FLAT AREAS WITH FAVORABLE SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE STABILIZATION. DORMANT SEEDING IS TO BE MULCHED.
 - SEE MULCHING FOR MATERIALS AND ANCHORING METHODS.

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB/1,000 S.F.	PER AC.
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Perennial Ryegrass	1	40 lb.
August 16 to November 1	Perennial Ryegrass	2	40 lb.
	Tall Fescue	1	40 lb.
	Rye	3	2 bushel
November 1 to Spring Seeding	Tall Fescue	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Wheat	3	2 bushel
November 1 to Spring Seeding	Tall Fescue	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Perennial Ryegrass	2	40 lb.
November 1 to Spring Seeding	Tall Fescue	1	40 lb.
	Tall Fescue	1	40 lb.

Use mulch only, sodding practices or dormant seeding.



NO	REVISION	DATE

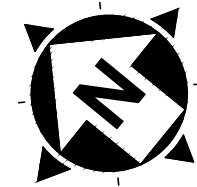
ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
DRAFT	4/3/2020	AS NOTED	SSA	BEK	SSA

JOHNNY APLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP ALLEN COUNTY, OHIO
STORM WATER POLLUTION PREVENTION PLAN
SWPPP DETAILS

PROJECT NO.	
190538	
SHEET	OF
11	12

PmA

N/F
JOHNNY APPLESEED
METROPOLITAN PARK
DISTRICT



BAR SCALE
30' 15' 0' 30'
SCALE: 1" = 30'

PEDESTRIAN BRIDGE PLAN VIEW

SCALE: 1" = 30'

NOTES:

1. SEE SHEET 10 & 11 FOR SWPPP NOTES AND DETAILS

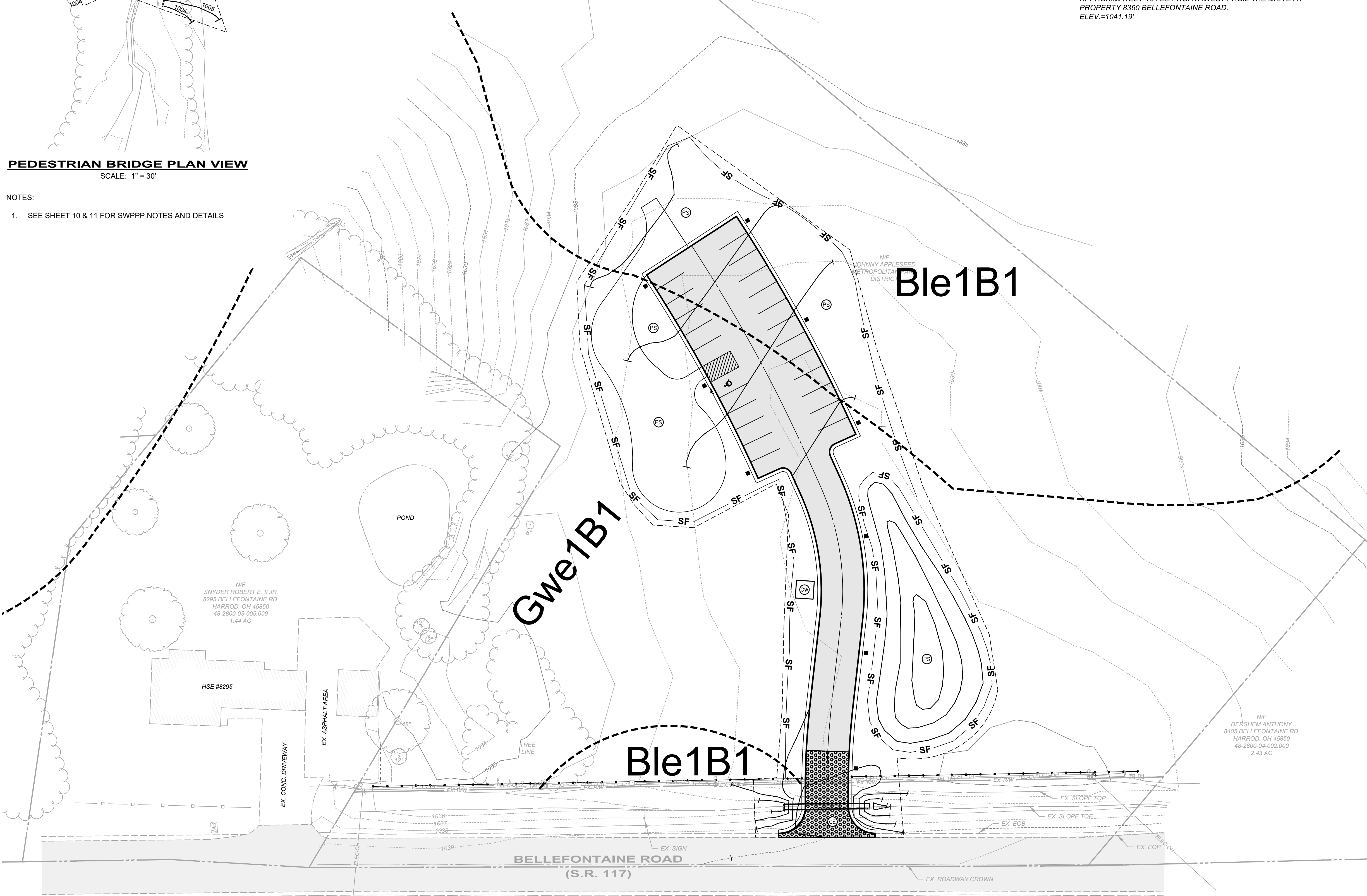
BENCHMARKS:

BM#1
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE
LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD,
APPROXIMATELY 250 FEET NORTHWEST FROM THE DRIVE AT
PROPERTY 8360 BELLEFONTAINE ROAD.
ELEV.=1038.81'

BM#2
BEING A NAIL SET IN THE SOUTHWESTERLY SIDE OF A POLE
LOCATED ON THE NORTH SIDE OF BELLEFONTAINE ROAD,
APPROXIMATELY 40 FEET NORTHWEST FROM THE DRIVE AT
PROPERTY 8360 BELLEFONTAINE ROAD.
ELEV.=1041.19'

SWP3 LEGEND

- 1038 1' CONTOUR ELEVATION
- 1040 5' CONTOUR ELEVATION
- 1038 EX. CONTOUR
- CONSTRUCTION ENTRANCE
- CW CONCRETE WASHOUT PIT
- PS PERMANENT SEEDING
- SF SILT FENCE
- CONSTRUCTION LIMIT
- PmA SOIL TYPE



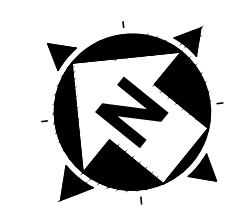
N/F
SNYDER ROBERT E. II JR.
8295 BELLEFONTAINE RD.
HARROD, OH 45850
48-2800-03-005.000
1.44 AC

HSE #8295

N/F
DERSHEM ANTHONY
8405 BELLEFONTAINE RD.
HARROD, OH 45850
48-2800-04-002.000
2.43 AC

BELLEFONTAINE ROAD
(S.R. 117)

PARKING LOT & SHELTER PLAN VIEW



BAR SCALE
30' 15' 0' 30'
SCALE: 1" = 30'

ISSUED FOR:	DRAFT	NO	REVISION	DATE
ISSUE DATE:	4/2/2020			
SCALE:	AS NOTED			
DESIGNED BY:	SSA			
DRAWN BY:				
CHECKED BY:	SSA			

JOHNNY APPLESEED METROPOLITAN PARK DISTRICT
LOWRY FARM
NEW SITE PARKING LOT & SHELTER
AUGLAIZE TOWNSHIP
ALLEN COUNTY, OHIO
STORM WATER POLLUTION PREVENTION PLAN
SWPPP PLAN

PROJECT NO.	190538
SHEET	12
OF	12