FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	BRO-0327(005)	2021	5	52

JOB SPECIFIC LEGEND

6YT	6' TEMPORARY PAVEMENT REMOVABLE TAPE – YELLOW
8W	8" EPOXY RESIN PAVEMENT MARKING – WHITE
7.8.1	3' GRANITE TRANSITION CURB
7.3.9	GRANITE RAMP STONE
7.3.9C	GRANITE RAMP STONE CURVED
20.1.0	PAVEMENT MARKINGS ARROWS AND ONLY
24.1.0	SIGN POST SELECTION AND INSTALLATION DETAILS SQUARE POST (SIGNS UP TO 8'-0"W X 4'-0"H)
24.2.0	SIGN POST SELECTION AND INSTALLATION DETAILS U-CHANNEL POST (SIGNS UP TO 8'-0"W X 4'-0"H)
26.1.0	FLUORESCENT TRAFFIC CONE
31.4.0	TEMPORARY CHAIN LINK FENCE
34.5.5	TERMINAL END SECTION OF THRIE BEAM
34.5.3	STEEL THRIE BEAM GUARDRAIL SINGLE FACE
34.6.2	STEEL HIGHWAY GUARD TRANSITION BEAM
34.6.3	THRIE BEAM WITH MOMENT SLAB, SEE STRUCTURAL PLANS
34.6.4	REMOVE AND RESET EXISTING HISTORIC PEDESTRIAN RAIL (2 SECTIONS)
34.6.5	STEEL THRIE BRIDGE CONNECTION
43.6.0	BITUMINOUS CONCRETE DRIVEWAY
CCS	CEMENT CONCRETE SURFACE (ITEM CODE 904.0110)
CFS	COMPOST FILTER SOCK 12" DIAMETER
CS	CRUSHED STONE
CST	CONCRETE SURFACE TREATMENT
DCS	REMOVE AND DISPOSE CONCRETE SURFACE
DEC	REMOVE AND DISPOSE CONDUIT – ALL SIZES
DGC	REMOVE AND DISPOSE GRANITE CURB
ETR	EXISTING TO REMAIN
FDC	1.5" MODIFIED CLASS 9.5 HMA 10.5" CLASS 19 HMA 12" (MINIMUM) GRAVEL BORROW SUBBASE COURSE
FDCC	1.5" MODIFIED CLASS 9.5 HMA 10" CEMENT CONCRETE 12" (MINIMUM) GRAVEL BORROW SUBBASE COURSE
MGP	ABANDON GAS PIPE
MMO	MICRO-MILLING 1.5" AND OVERLAY WITH 1.5" MODIFIED CLASS 9.5 HMA
MUL	MULCH
NGB	FURNISH AND INSTALL NEW GAS GATE VALVE BOX
PF	PERVIOUS FILL (ITEM CODE 203.0700)
PGE	PLASTIC GAS ELBOW
PGP	PLASTIC GAS PIPE
PT-1	PAVEMENT TRANSITION – MICRO-MILLING TO EXISTING
PT-2	PAVEMENT TRANSITION AT FULL DEPTH CONSTRUCTION
PT-3	PAVEMENT TRANSITION AT GWINNETT COURT
RC	REPAIR CONCRETE AS NEEDED
RCC	REMOVE AND STOCKPILE CURB CORNER
S-1	SAWCUT OF BITUMINOUS PAVEMENT
S-2	FULL DEPTH SAWCUT OF CONCRETE SIDEWALK
SL	SERVICE LINE
TIA	TEMPORARY IMPACT ATTENUATOR
UG	UNDERGROUND

JOB SPECIFIC LEGEND - ELECTRICAL AND COMMUNICATION

CSL	COMMUNICATION SERVICE LINE
ESL	ELECTRICAL SERVICE LINE
TOL. 9906	COMMUNICATION CONDUIT
TOL. 9902	NATIONAL CONDUIT

JOB SPECIFIC GENERAL NOTES:

1. ALL SUBCONTRACTORS EMPLOYED BY THE CONTRACTOR OR R.I.D.O.T. ON THIS PROJECT SHALL WORK WITHIN THE SAME PROTECTED WORK AREAS AS THE CONTRACTOR. NO SEPARATE LANE CLOSURES WILL BE PAID FOR.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STORM DRAIN PIPE SIZES WHERE NEEDED TO COMPLETE THE WORK.
3. IT IS THE INTENT OF THE PROPOSED DRAINAGE DESIGN TO AVOID EXISTING UTILITIES. AT LOCATIONS WHERE THERE IS AN UNANTICIPATED CONFLICT, THE CONTRACTOR SHALL, WHERE POSSIBLE AND AS DIRECTED BY THE ENGINEER, MODIFY THE DRAINAGE STRUCTURES SUCH THAT THE PROPOSED DRAINAGE AVOIDS THE UTILITY.
4. SANITARY SEWER, GAS, WATER AND OTHER UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL RELOCATED UTILITY POLES ARE PROPERLY STABILIZED DURING EACH PHASE OF CONSTRUCTION.
6. THE FINAL LOCATION OF ALL WHEELCHAIR RAMPS MUST BE COORDINATED, IN THE FIELD, WITH THE PROPOSED LOCATIONS OF UTILITY POLES, LANDSCAPING, DRAINAGE GRATES AND COVERS TO ENSURE A CLEAR PEDESTRIAN PATH.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE PROPER UTILITY AGENCIES FOR THE SEQUENCE OF CONSTRUCTION TO REMOVE THE EXISTING STREET LIGHTING AND THE INSTALLATION OF NEW STREET LIGHTING. STREET AND SIDEWALK LIGHTING MUST BE PROVIDED AT ALL TIMES.
8. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS WITHIN THE DRIP LINE OF ANY TREES OR SHRUBS.
9. ALL ITEMS NOT REFERENCED FOR MODIFICATION WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND STOCKPILED MATERIAL A MINIMUM DISTANCE OF 20 FEET FROM RESERVOIR AVE OUTSIDE EDGE OF TRAVEL LANE, AND 10 FEET FROM THE OTHER ROADWAYS OUTSIDE EDGE OF TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD. ALL STORAGE AND LAYDOWN AREAS REQUIRE APPROVAL BY THE ENGINEER. ALL WORKZONES SHALL BE BEHIND BARRIERS AS SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS.
11. THE FREQUENCY AND APPLICATION RATES FOR WATER FOR DUST CONTROL SHALL BE DETERMINED BY THE ENGINEER, PAID FOR UNDER ITEM CODE 906.0100. NO CALCIUM CHLORIDE FOR DUST CONTROL SHALL BE USED ON THIS PROJECT.
12. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING IN THE AREA OF EXISTING HIGHWAY BOUNDS. ANY HIGHWAY BOUNDS DISTURBED OR DESTROYED AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE RESET OR REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AND IN CONFORMANCE WITH SECTION 915. OF THE R.I. STANDARD SPECIFICATIONS. SAID RESETTING OR REPLACING OF BOUND REQUIRED SHALL BE AT THE CONTRACTOR'S EXPENSE.
13. NO LONGITUDINAL DROP-OFFS WILL BE ALLOWED TO REMAIN BETWEEN LANES DURING NON-CONSTRUCTION HOURS. THE CONTRACTOR SHALL SCHEDULE THE MICROMILLING OPERATIONS TO PROVIDE A CONSISTENT FULL-WIDTH PAVEMENT SURFACE AT THE END OF THE WORK DAY.

JOB SPECIFIC GENERAL NOTES - SIGNS:

1. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
2. ALL NEW AND RELOCATED SIGNS SHALL BE MOUNTED AT THE BACK OF CURB OR LOCATED AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION WITH THE LATEST REVISIONS.

JOB SPECIFIC GENERAL NOTES - PAVEMENT MARKINGS:

TEMPORARY PAVEMENT MARKINGS:

1. THE CONTRACTOR SHALL PROVIDE 15 MIL THICK WATERBORNE PAINT PAVEMENT MARKINGS TO MATCH THE FINAL COLORS, WIDTHS AND LOCATIONS. ON THE ROADWAY MICRO MILLING SURFACES AND THE BASE AND INTERMEDIATE BITUMINOUS SURFACE COURSES OF NEWLY PAVED ROADWAYS WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION. THESE WATERBORNE PAVEMENT MARKINGS SHALL ALSO BE USED ON EXISTING ROADWAY SURFACES, WHICH ARE IN NEED OF RE-STRIPING BUT ARE SCHEDULED TO BE REPAVED WITHIN A YEAR.
2. THE CONTRACTOR SHALL PROVIDE 8 MIL THICK TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE OF NEWLY PAVED ROADWAYS THAT WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.
3. ALL TEMPORARY PAVEMENT MARKINGS THAT ARE NO LONGER APPLICABLE SHALL BE REMOVED, AND NEW PAVEMENT MARKINGS SHALL BE PLACED PRIOR TO ALLOWING TRAFFIC TO TRAVEL ON THE AFFECTED ROAD.
4. EXISTING EPOXY PAVEMENT MARKINGS AND CONFLICTING WATERBORNE PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING THE MARKINGS OFF THE PAVEMENT. THIS SHALL BE PAID FOR UNDER ITEM CODE T20.1000.

PERMANENT PAVEMENT MARKINGS:

1. THE INSTALLATION OF PERMANENT PAVEMENT MARKINGS WILL NOT BE ALLOWED PRIOR TO THE COMPLETE PLACEMENT OF THE FINAL RIDING SURFACE WITHIN THE PROJECT LIMIT.
2. PERMANENT PAVEMENT MARKINGS SHALL BE WHITE AND YELLOW EPOXY RESIN PAVEMENT MARKINGS AT THE LOCATIONS INDICATED IN THE PLANS. THE EPOXY PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS, BUT NO LATER THAN 4 WEEKS FROM THE COMPLETION OF PAVING OPERATION.

JOB SPECIFIC GENERAL NOTES - ELECTRICAL:

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST REVISION OF THE NATIONAL ELECTRICAL CODE, STATE OF RHODE ISLAND, AND THE CITY OF EAST PROVIDENCE ELECTRICAL STANDARDS AND CODES.
2. ALL WORK SHALL BE COORDINATED WITH LOCAL PUBLIC UTILITIES. NO CONSTRUCTION SHALL COMMENCE UNTIL THE CONTRACTOR HAS NOTIFIED DIG-SAFE AND ALL UTILITIES HAVE BEEN PROPERLY IDENTIFIED. COORDINATE ELECTRICAL WORK WITH NARRAGANSETT ELECTRIC CO., A NATIONAL GRID CO., THROUGH THOMAS CAPOBIANCO AT TEL. (401) 784-7248.
3. ALL LIGHTING CONDUITS ARE TO BE 3" PVC SCH. 40, EXCEPT WHERE OTHERWISE SHOWN, AND SHALL BE INSTALLED AT A DEPTH OF 24" BELOW GRADE FOR DIRECT BURIED INSTALLATIONS. INSTALL NYLON PULLING ROPE IN ALL SPARE CONDUITS FOR FUTURE USE. COMMUNICATIONS CONDUITS SHALL BE 4" PVC SCH. 40, EXCEPT WHERE OTHERWISE SHOWN. MAINTAIN CONDUIT SEPARATION AS SHOWN IN DETAILS.
4. PROVIDE ENOUGH SLACK (CABLE) AT ALL HANDHOLES AND PULLBOXES TO ALLOW FOR SPLICING AND REPAIRS TO BE MADE.
5. IDENTIFY AND TAG ALL CIRCUITS AT EACH HANDHOLE AND PULLBOX. PROVIDE NUMBERING TAGS ACCORDING TO CIRCUIT DESIGNATION AND AS SHOWN ON THE PLANS.

JOB SPECIFIC GENERAL NOTES - SITE RESTORATION:

1. ALL PUBLIC AND PRIVATE PROPERTY WITHIN OR ADJACENT TO THE PROJECT LIMITS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL RESTORATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION WITH AMENDMENTS. THE COST OF RESTORATION SHALL BE INCLUDED IN THE PRICES BID FOR OTHER SCHEDULED ITEMS OF WORK AND NO SEPARATE PAYMENT SHALL BE MADE.

JOB SPECIFIC GENERAL NOTES - SURVEY:

1. PRIOR TO THE REMOVAL OF ANY EXISTING ROADWAY OR CURBING, THE CONTRACTOR MUST COORDINATE WITH THE RESIDENT ENGINEER AND THE RIDOT SURVEY SECTION. CONSTRUCTION LAYOUT SHALL BE PREFORMED BY THE CONTRACTOR.

JOB SPECIFIC GENERAL NOTES - GAS:

1. CONTRACTOR SHALL FOLLOW THE GUIDELINES LISTED IN NATIONAL GRID'S "GUIDELINES FOR WORKING AROUND GAS UTILITIES".
2. DEPTH OF GAS FACILITIES ARE UNKNOWN AND COULD BE SHALLOW, USE CAUTION WHEN WORKING IN THE VICINITY OF ANY GAS FACILITY, HAND DIGGING ONLY.
3. NATIONAL GRID REQUIRES A MINIMUM OF ONE FOOT OF SEPARATION BETWEEN CROSSING UTILITIES AND EXISTING GAS FACILITIES.
4. NATIONAL GRID REQUIRES A MINIMUM OF THREE FEET OF SEPARATION BETWEEN THE GAS MAIN AND THE PARALLEL FACILITY FOR STEEL AND PLASTIC GAS MAINS. FOR CAST IRON GAS MAIN SEE LINE ITEM FOR ENCROACHMENT GUIDELINES.
5. FOR ANY EXPOSED GAS FACILITY, PROVIDE BACKFILL MATERIALS AND COMPACT THE BACKFILL MATERIALS IN ACCORDANCE WITH NATIONAL GRID'S "GUIDELINES FOR BACKFILL AND COMPACTION AROUND GAS PIPES".
6. WHEN CROSSING OR EXPOSING A STEEL OR PLASTIC GAS FACILITY SUPPORT MAY BE REQUIRED. FOLLOW THE GUIDELINES LISTED AND ILLUSTRATED IN NATIONAL GRID'S "SUPPORT REQUIREMENTS FOR EXPOSED & UNDERMINED STEEL OR PLASTIC GAS FACILITIES" (DWG NO. CNST-6045).
7. ALL GAS VALVE BOXES SHALL BE ADJUSTED TO THE NEW ROAD/SIDEWALK SURFACE. VALVE BOXES, IF REQUIRED FOR REPLACEMENT, CAN BE OBTAINED AT NATIONAL GRID'S PROVIDENCE LOCATION, 477 DEXTER STREET, PROVIDENCE, RI OR LINCOLN LOCATION, 642 GEORGE WASHINGTON HIGHWAY (QUANTITIES 5 OR LESS). GAS VALVE BOXES NEED TO BE ACCESSIBLE AT ALL TIMES TO BE OPERATED BY NATIONAL GRID IN THE EVENT OF AN EMERGENCY.
8. ALL CATHODIC PROTECTION BOXES (BOXES THAT CONTAIN WIRES THAT GO DOWN TO THE GAS MAIN) SHALL BE ADJUSTED TO THE NEW ROAD/SIDEWALK SURFACE. CARE SHALL BE EXERCISED WHEN ADJUSTING SO AS NOT TO DAMAGE THE WIRES. IF THE WIRES ARE DAMAGED OR IF ASSISTANCE IS NEEDED, CONTACT NATIONAL GRID CORROSION ENGINEER TO VISIT THE SITE. CONTACT ASAD AKINFOLARIN AT 401-215-5678 OR RON VINCENT AT 617-438-5192. NEW BOXES, IF REQUIRED, CAN BE OBTAINED AT NATIONAL GRID'S PROVIDENCE FACILITY, 477 DEXTER ST, PROVIDENCE, RI OR NATIONAL GRID'S LINCOLN FACILITY, 642 GEORGE WASHINGTON HIGHWAY, LINCOLN, RI (QUANTITIES 5 OR LESS). CONTRACTOR SHALL FOLLOW THE GUIDELINES LISTED IN NATIONAL GRID'S "GUIDELINES FOR WORKING AROUND CORROSION CONTROL SYSTEM COMPONENTS".
9. DUE TO SYSTEM RELIABILITY AND PUBLIC SAFETY CONCERNS, IT IS NATIONAL GRID'S PRACTICE TO RESTRICT ALL CONSTRUCTION WORK ON OR NEAR GAS FACILITIES BETWEEN NOVEMBER 1ST AND APRIL 15TH. ALL SCHEDULED WORK SHOULD BE COMPLETED BETWEEN APRIL 15TH AND NOVEMBER 1ST, AS GAS USAGE PEAK DURING THE MONTHS OF DECEMBER TO MARCH DRIVEN BY HEATING NEEDS, NATIONAL GRID'S PRIORITY IS TO PROVIDE OUR CUSTOMERS WITH SAFE AND RELIABLE GAS SERVICE. ANY WORK ON OR NEAR THE GAS FACILITY WILL EXPOSE OUR CUSTOMERS TO UNNECESSARY RISK. EXCEPTIONS WILL BE CONSIDERED ON A CASE BY CASE BASIS. APPROVALS FROM GAS CONTROL, OPERATIONAL ENGINEERING, AND PROJECT ENGINEERING WILL BE REQUIRED FOR THESE CASES.
10. FOR A GAS LEAK CALL 800-640-1595.

JOB SPECIFIC GENERAL NOTES - GAS CONTINUED:

11. FOR A DAMAGED GAS FACILITY CALL 800-870-1664.

CAST IRON INVOLVEMENT

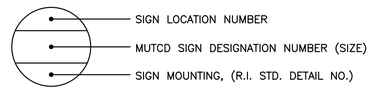
12. IF EXCAVATING PARALLEL TO OR CROSSING A CAST IRON GAS FACILITY 8" OR LESS IN SIZE THEN ENCROACHMENT OF THE CAST IRON LINE IS A POSSIBILITY AND A CONCERN WHERE REPLACEMENT MAY BE REQUIRED. WHENEVER AN EXCAVATION IS IN THE VICINITY OF A CAST IRON GAS MAIN, CONTACT NATIONAL GRID ENCROACHMENT ENGINEER TO BE ON SITE, CHRIS FERRANTI AT 401-465-9064. GUIDELINES IN AVOIDING AN ENCROACHMENT ARE LISTED IN NATIONAL GRID'S "CAST IRON GAS MAIN ENCROACHMENT PREVENTION".
13. IF EXCAVATING PARALLEL TO OR CROSSING A CAST IRON FACILITY THAT IS GREATER THAN 8", THIS LINE IS NOT COVERED UNDER THE ENCROACHMENT GUIDELINES AND LAW. NATIONAL GRID DOES NOT ALLOW MORE THAN 10' OF GAS MAIN TO BE EXPOSED AND ONLY ALLOWS (1) BELL & SPIGOT JOINT TO BE EXPOSED. IF A BELL & SPIGOT JOINT IS EXPOSED SAID JOINT MUST BE LEAK CLAMPED BEFORE BACKFILL, UNLESS A CLAMP IS ALREADY IN PLACE. PROVIDE BACKFILL MATERIALS AND COMPACT THE BACKFILL MATERIALS IN ACCORDANCE WITH NATIONAL GRID'S "GUIDELINES FOR BACKFILL AND COMPACTION AROUND GAS PIPES". MINIMUM 95% COMPACTION OF THE SOIL BELOW A CAST IRON IS ALWAYS REQUIRED. ALWAYS CALL NATIONAL GRID DAMAGE PREVENTION DEPARTMENT FOR AN INSPECTOR TO BE DISPATCHED TO SITE. CALL DAVID SOLTYS 401-623-0579 OR RICK LEPAGE 508-948-8432.

ABANDONED GAS MAIN

14. NATIONAL GRID WILL PURGE THE OLD GAS MAIN OF GAS, WIPE TEST SAMPLE THE INSIDE OF THE PIPE, CAP THE ENDS AND ABANDON IN PLACE. PIPE FOUR INCHES AND LESS IN DIAMETER CAN'T BE SAMPLED; THIS PIPE WILL BE ASSUMED TO BE CONTAMINATED. IF THE WIPE TEST RESULTS SHOW PCB CONTAMINATION AND A SECTION OR SECTIONS NEED TO BE REMOVED BY THE CONTRACTOR THEN THERE ARE TWO POSSIBILITIES: IF THE QUANTITY TO BE REMOVED IS SMALL THE CONTRACTOR COULD TRANSPORT THE REMOVED SECTIONS WITH SEALED ENDS TO EITHER OUR ALLENS AVE FACILITY AT 642 ALLENS AVE IN PROVIDENCE OR OUR DEXTER ST FACILITY AT 477 DEXTER ST IN PROVIDENCE AND PLACE THEM IN THE RED OPEN TOP "PIPE TO BE CLEANED" CONTAINER ON SITE. NATIONAL GRID WOULD THEN HANDLE THE CLEANING AND PROPER DISPOSAL ... OR ... THE CONTRACTOR COULD HIRE CLEAN HARBORS TO DELIVER AN OPEN TOP CONTAINER TO THE SITE, PLACE THE REMOVED SECTION INTO THE DUMPSTER AND THEN ARRANGE TO HAVE CLEAN HARBORS PICK UP THE CONTAINER. THE CHARGES ASSOCIATED WITH DELIVERY, ONSITE RENTAL AND PICK UP OF THE DUMPSTER WOULD BE THE CONTRACTORS RESPONSIBILITY AND NATIONAL GRIDS RESPONSIBILITY WILL BE FOR THE CLEANING AND PROPER DISPOSAL. NATIONAL GRID ALSO REQUIRES THAT THE OPEN PIPE ENDS OF THE ABANDONED PIPE REMAINING IN THE GROUND BE CAPPED OR SEALED WITH EXPANDING FOAM.

TYPICAL SIGN DESIGNATION SYMBOL

PROPOSED SIGN



REVISIONS		
NO.	DATE	BY
1	5/17/17	PS
2	6/2/17	PS

Louis Berger
166 VALLEY STREET, BUILDING 5
PROVIDENCE, RI 02909
TEL 401 521 5980
WWW.LOUISBERGER.COM

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPLACEMENT
RESERVOIR AVE. RR BRIDGE NO. 327

PROVIDENCE, RHODE ISLAND

JOB-SPECIFIC PLAN SYMBOLS, LEGEND & NOTES

CHECKED BY PWS DATE 11/23/2020 SCALE AS NOTED

JBNOTSYM.DWG