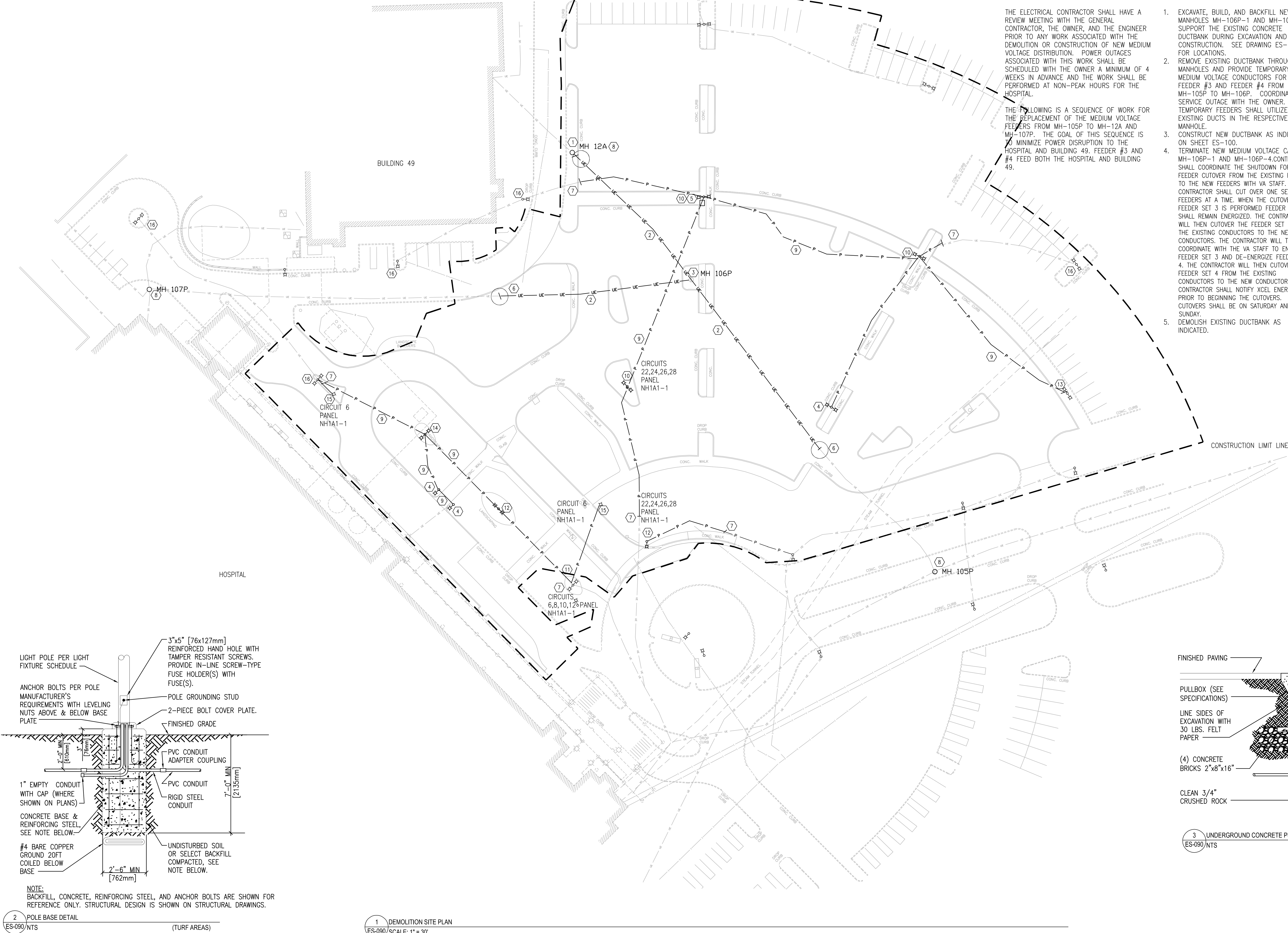


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



SERVICE/MEDIUM VOLTAGE PHASING

THE ELECTRICAL CONTRACTOR SHALL HAVE A REVIEW MEETING WITH THE GENERAL CONTRACTOR, THE OWNER, AND THE ENGINEER PRIOR TO ANY WORK ASSOCIATED WITH THE DEMOLITION OR CONSTRUCTION OF NEW MEDIUM VOLTAGE DISTRIBUTION. POWER OUTAGES ASSOCIATED WITH THIS WORK SHALL BE SCHEDULED WITH THE OWNER A MINIMUM OF 4 WEEKS IN ADVANCE AND THE WORK SHALL BE PERFORMED AT NON-PEAK HOURS FOR THE HOSPITAL.

THE FOLLOWING IS A SEQUENCE OF WORK FOR THE REPLACEMENT OF THE MEDIUM VOLTAGE FEEDERS FROM MH-105P TO MH-12A AND MH-107P. THE GOAL OF THIS SEQUENCE IS TO MINIMIZE POWER DISRUPTION TO THE HOSPITAL AND BUILDING 49. FEEDER #3 AND #4 FEED BOTH THE HOSPITAL AND BUILDING 49.

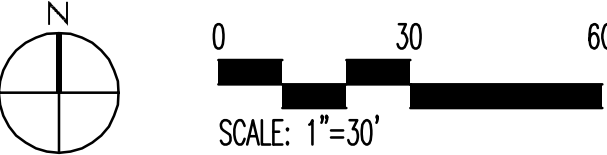
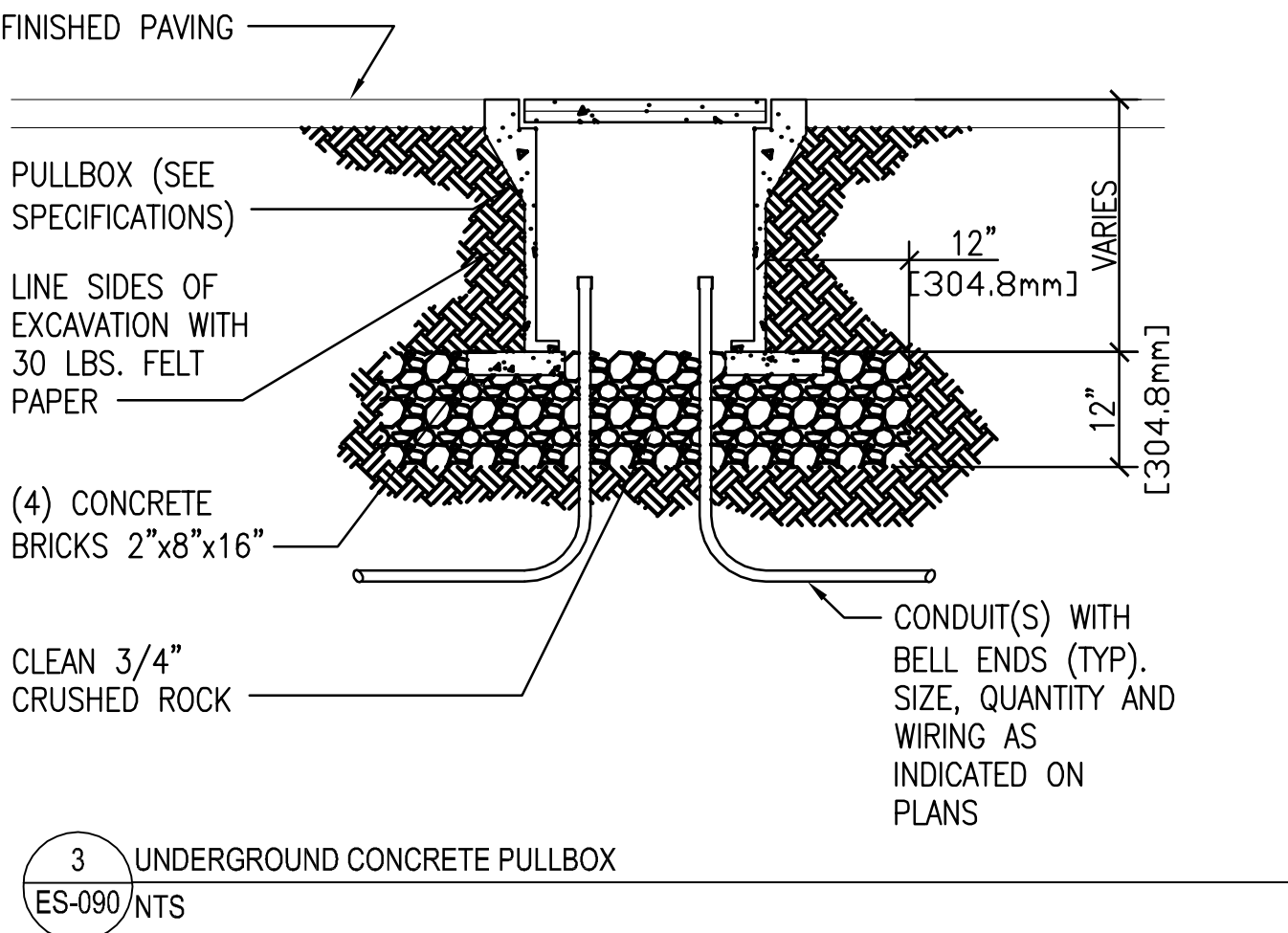
- EXCAVATE, BUILD, AND BACKFILL NEW MANHOLES MH-106P-1 AND MH-106P-4. SUPPORT THE EXISTING CONCRETE DUCTBANK DURING EXCAVATION AND CONSTRUCTION. SEE DRAWING ES-100 FOR LOCATIONS.
- REMOVE EXISTING DUCTBANK THROUGH NEW MANHOLES AND PROVIDE TEMPORARY MEDIUM VOLTAGE CONDUCTORS FOR FEEDER #3 AND FEEDER #4 FROM MH-105P TO MH-106P. COORDINATE SERVICE OUTAGE WITH THE OWNER. TEMPORARY FEEDERS SHALL UTILIZED THE EXISTING DUCTS IN THE RESPECTIVE MANHOLE.
- CONSTRUCT NEW DUCTBANK AS INDICATED ON SHEET ES-100.
- TERMINATE NEW MEDIUM VOLTAGE CABLE IN MH-106P-1 AND MH-106P-4. CONTRACTOR SHALL COORDINATE THE SHUTDOWN FOR THE FEEDER CUTOVER FROM THE EXISTING FEEDERS TO THE NEW FEEDERS WITH VA STAFF. CONTRACTOR SHALL CUT OVER ONE SET OF FEEDERS AT A TIME. WHEN THE CUTOVER OF FEEDER SET 3 IS PERFORMED FEEDER SET 4 SHALL REMAIN ENERGIZED. THE CONTRACTOR WILL THEN CUTOVER THE FEEDER SET 3 FROM THE EXISTING CONDUCTORS TO THE NEW CONDUCTORS. THE CONTRACTOR WILL THEN COORDINATE WITH THE VA STAFF TO ENERGIZE FEEDER SET 3 AND DE-ENERGIZE FEEDER SET 4. THE CONTRACTOR WILL THEN CUTOVER THE FEEDER SET 4 FROM THE EXISTING CONDUCTORS TO THE NEW CONDUCTORS. CONTRACTOR SHALL NOTIFY XCEL ENERGY PRIOR TO BEGINNING THE CUTOVERS. CUTOVERS SHALL BE ON SATURDAY AND/OR SUNDAY.
- DEMOLISH EXISTING DUCTBANK AS INDICATED.

GENERAL NOTES


- A. EXISTING 15KV SERVICE TO REMAIN IN PLACE AND OPERATIONAL UNTIL NEW DISTRIBUTION DUCTS AND CABLING ARE IN PLACE.
- B. SEE DRAWING ES-100 FOR NEW WORK.
- C. UNLESS NOTED OTHERWISE ALL WORK INDICATED IS TO BE COMPLETED IN PHASE 1.

KEY NOTES:

- EXISTING DUCT BANK TO BE CUT OFF 2'-0" FROM MANHOLE MH 12A AND CAPPED.
- EXISTING 15KV ENCASED DUCT BANK WITH (4) 4" PVC TO BE REMOVED. EXISTING 15KV CABLES TO BE REMOVED AND DISPOSED OF OFF SITE.
- EXISTING MANHOLE 106P TO BE DEMOLISHED AND REMOVED.
- EXISTING LIGHT FIXTURE TO BE DISCONNECTED, REMOVED AND TURNED OVER TO OWNER. EXISTING POLE BASES TO BE DEMOLISHED.
- EXISTING HANDHOLE TO BE REMOVED AND DISPOSED OF.
- EXISTING 15KV DUCT BANK TO BE INTERCEPTED AT THIS POINT, PROVIDE A MANHOLE FOR THE EXTENSION OF THE EXISTING 15KV SERVICE. SEE SHEET ES-100 FOR ROUTE OF RELOCATED 15KV DUCTBANK AND SHEET ES-501 FOR MANHOLE DETAIL.
- EXISTING SITE LIGHTING RACEWAY AND CONDUCTORS TO BE INTERCEPTED AT THIS POINT, PROVIDE A HANDHOLE. SEE SHEET ES-100 FOR LOCATION AND EXTENSION OF EXISTING RACEWAY AND CONDUCTORS.
- EXISTING MANHOLE TO REMAIN.
- EXISTING LIGHTING RACEWAY AND CONDUCTORS TO BE REMOVED.
- EXISTING 30' POLE AND LIGHT FIXTURES TO BE DISCONNECTED, REMOVED AND STORED FOR REINSTALLATION. SEE SHEET ES-100 FOR NEW LOCATION. EXISTING POLE BASES TO BE DEMOLISHED.
- EXISTING SITE LIGHTING RACEWAY TO BE CUT 18" FROM POLE TO REMAIN AND CONDUCTORS TO BE DISCONNECTED AT POLE. RACEWAY AND CONDUCTORS ARE TO BE REMOVED AND DISPOSED OF OFF SITE. THIS WORK IS TO BE DONE DURING PHASE 2.
- EXISTING 15' POLE, LIGHT FIXTURES TO BE DISCONNECTED, REMOVED AND STORED FOR REINSTALLATION. SEE SHEET ES-100 FOR NEW LOCATION. EXISTING POLE BASES TO BE DEMOLISHED. THIS WORK IS TO BE DONE DURING PHASE 2.
- EXISTING SITE LIGHTING RACEWAY TO BE INTERCEPTED 18" FROM POLE. PROVIDE A HANDHOLE. SEE SHEET ES-100 FOR LOCATION AND EXTENSION OF EXISTING RACEWAY AND CONDUCTORS.
- EXISTING LIGHT FIXTURE TO BE DISCONNECTED, REMOVED AND TURNED OVER TO OWNER. EXISTING POLE BASES TO BE DEMOLISHED. THIS WORK IS TO BE DONE DURING PHASE 3.
- EXISTING ILLUMINATED SIGN TO BE DISCONNECTED, RACEWAY AND CONDUCTORS TO BE REMOVED AND DISPOSED OF OFF SITE.
- PROVIDE TEMPORARY POWER TO MAINTAIN PARKING LOT LIGHTING DURING CONSTRUCTION. TO THESE LIGHT FIXTURES, AND ANY OTHER LIGHT FIXTURES WHOSE CIRCUITS ARE INTERRUPTED DURING THIS PROJECT.



CONSTRUCTION DOCUMENTS

		CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title: ELECTRICAL DEMOLITION PLAN		Project Title: CONSTRUCT PARKING RAMP DESIGN		Project Number: 618-820		Office of Construction and Facilities Management Department of Veterans Affairs	
		SIGNAGE SIGNIA DESIGN 2395 UNIVERSITY AVENUE W., SUITE 316 SAINT PAUL, MN 55114 PHONE: 651-209-6254 LANDSCAPE ANDERSON ENGINEERING 13605 1ST AVENUE NORTH, SUITE 100 PLYMOUTH, MN 55441 PHONE: 763-412-4000		LEO A DAILY PLANNING ARCHITECTURE ENGINEERING INTERIORS 730 Second Avenue South, Suite 1100 Minneapolis, MN 55402-2453 USA Tel 612-338-8741 Fax 612-338-4840 Project # 023-10131-000		I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Professional Engineer under the laws of the State of Minnesota Signature:  Printed Name: Randall A. Jacobs Date: 02-24-2012 License: 25414		Location: 1 VETERANS DRIVE MINNEAPOLIS, MN 55417		Building Number: 78			
Revisions:		Date						Date: 02-24-2012		Drawing Number: ES-090 Drawing 096 of 116			
						Project #023-10131-000		Checked: RAJ		Drawn: RPJ			