

ENLARGED PLAN - GROUND FLOOR - PART 1
1/4" = 1'-0"

CURRENT DESIGN

- ### CASEWORK GENERAL NOTES
- DO NOT SCALE DRAWINGS.
 - ELEVATIONS HAVE BEEN DRAWN FOR THE CASEWORK AND APPEAR ON DRAWINGS IN THE A-80 SERIES. REFER TO DRAWING A80 FOR TYPICAL CABINETS AND DETAILS. REFER TO PLANS, ENLARGED PLANS, AND ELEVATIONS FOR DIMENSIONS, QUANTITY, AND SPACING.
 - BASE UNITS, WALL CABINETS, AND SERVICE CHASE PANELS SHALL BE OF METAL OR WOOD CONSTRUCTION AS NOTED. CABINET TYPES, CONFIGURATIONS, AND DIMENSIONS SHALL BE AS DETAILED ON CASEWORK ELEVATIONS. CASEWORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS BEFORE BEGINNING FABRICATION.
 - COUNTERTOPS AT LAB BENCHES AND TABLES SHALL BE EPOXY RESIN, SPECIFIED IN DIV. 12 (UNLESS OTHERWISE NOTED). REFER TO NOTES ON ENLARGED LAB PLANS AND SERVICE DRAWINGS AND CASEWORK ELEVATIONS DRAWINGS AND REVISE FOR OTHER COUNTERTOP MATERIALS. PROVIDE 1/2" BACKUP ON OUTSIDE CORNERS. COUNTERTOPS TO DESK AND BASE UNITS AND SERVICE PANELS BY 1/2".
 - REFER TO PLANS, ENLARGED PLANS AND ELEVATIONS FOR DEPTHS OF COUNTERTOPS.
 - BACK AND SIDE SPLASHES TO BE 1" THICK AND 1/2" HIGH (B.O.N.). MATERIAL TO MATCH COUNTERTOPS. PROVIDE SIDE SPLASHES AT DYPHUM BOARD PARTITIONS, ADJACENT CASEWORK AND CABINETS, AND INSIDE COUNTERTOPS AND ADJACENT TO FUME HOODS.
 - SINKS SHALL BE MODIFIED EPOXY RESIN WITH SIZE AS INDICATED IN THE LEGEND, UNLESS OTHERWISE NOTED. SINKS SHALL BE IN SINK BASE UNITS. SINK COLOR TO BE COORDINATED WITH COUNTERTOP COLOR.
 - COORDINATE SIZE, LOCATION OF FAUCETS, AND SERVICE VALVES SO THAT THE FAUCET AND VALVE COMPONENTS DO NOT INTERFERE WITH EACH OTHER.
 - PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
 - PROVIDE FILLER/SICRE PANELS AT WALLS AND COLUMN CONDITIONS, U.O.N.
 - INSTALL CLOSURE PANELS BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS.
 - COORDINATE WITH REFLECTED CEILING PLANS FOR PROPER CEILING HEIGHTS AND PIPE DROP ENCLOSURE HEIGHTS/LOCATIONS.
 - CONTRACTOR TO COORDINATE THE INSTALLATION OF SUPPLEMENTARY FRAMING, FLOORING, AND BRACING FOR SUPPORT OF ALL WALL MOUNTED AND CEILING MOUNTED ITEMS. COMPLY WITH DETAILS INDICATED OR IF NONE AVAILABLE, WITH "DIP-SAM CONSTRUCTION HANDBOOK" - PUBLISHED BY USGC. MINIMUM SIZE FOR BRACING IS 8" X 16" GA.
 - PROVIDE 2" DIAMETER PLASTIC GROMMET WHERE GROMMETS ARE INDICATED, UNLESS OTHERWISE NOTED.
 - PENETRATIONS THROUGH BENCH TOP SHALL BE SEALED WITH 100% SILICONE BASE SEALANT.
 - BACKS OF COUNTERTOPS AND SPLASHES AGAINST WALLS SHALL BE SEALED TO THE WALL WITH 100% SILICONE BASE SEALANT.
 - FREE STANDING SHELVING AND CASEWORK SHALL BE SECURED TO PREVENT TIPPING. SUBMIT SHOP DRAWINGS OF ATTACHMENT PRIOR TO INSTALLATION.
 - SAFETY SHOWERS/EYEWASH UNITS SHALL COMPLY WITH AHS STANDARDS FOR QUALITY BY THE PHYSICALLY DISABLED. SAFETY SHOWER/EYEWASH UNITS SHALL BE FINISHED AND INSTALLED UNDER DIVISION 22.
 - FOR LABORATORY SERVICE FITTING TYPES, LOCATIONS AND ORDER, SEE ENLARGED PLANS. THESE FITTINGS ARE SPECIFIED IN DIVISION 12.
 - PROVIDE PLASTIC TRAY SHELF PROTECTORS AT ALL LAB BASE CABINETS BELOW FUME HOODS AND SINKS.
 - REFER TO THE EQUIPMENT LIST FOR OWNER-FURNISHED DOWNER INSTALLED AND FINISHED BY CONTRACTOR INSTALLED EQUIPMENT.
 - WOOD CASEWORK BASE CABINET BASES TO BE MARINE GRADE PLYWOOD OR FIBERGLASS.
 - ALL DRAWERS AND DOORS ON ALL LAB CABINETS AND WALL CABINETS TO HAVE LOCKS. COORDINATE FINAL KEYING WITH OWNER.

- ### SCIENTIFIC ABBREVIATIONS
- CO2 = CARBON DIOXIDE
 - OW = COLD WATER
 - FE = FUME HOOD EXHAUSTER
 - NG = LAB GAS (NATURAL GAS)
 - LA = LAB AIR (COMPRESSED)
 - LOW = LAB COLD WATER
 - LHW = LAB HOT WATER
 - LV = LAB VACUUM
 - SEW = SAFETY EYEWASH
 - SEWEN = SAFETY SHOWER AND SAFETY EYEWASH COMBINATION UNIT
 - RO = REVERSE OSMOSIS WATER
 - CG = CORNER GUARDS

- ### SYMBOLS LEGEND
- ADJUSTABLE WALL SHELVES (1.0" OR) OR WALL CABINETS, SEE CASEWORK ELEVATIONS.
 - CYLINDER RESTRAINT - 2, 3, OR 4 CYLINDERS PER PLAN. REFER TO DETAIL ON DRAWING A500. (CYLINDER BY OWNER)
 - DEWAR BUMPERS - REFER TO DETAIL ON DRAWING A500. (DEWAR BY OWNER)
 - FUME HOOD WITH DISHED EPOXY RESIN WORK SURFACE. PROVIDE LAB SERVICE OUTLETS AS INDICATED ON THE ENLARGED LAB PLANS. REFER TO CASEWORK ELEVATIONS FOR REGULAR OR ADA HEIGHT. REFER TO FUME HOOD DETAILS AND SPECIFICATIONS ON SHEET A500.
 - LAB EQUIPMENT - REFER TO LAB EQUIPMENT SCHEDULE ON DRAWING A5-500.
 - SAFETY SHOWER AND EYEWASH (SPECIFIED IN DIVISION 22) - REFER TO DETAILS ON DRAWING A5-500.
 - PIPE DROP ENCLOSURE - REFER TO DETAILS.
 - HW / OW SPOUT
 - OW SPOUT
 - RO SPOUT (FIXED)
 - CAMERA
 - LS1 - EPOXY RESIN SINK SINGLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12) REFER TO ENLARGED PLANS FOR SERVICES & LOCATIONS.
 - LS2 - EPOXY RESIN SINKS DOUBLE BOWL (17" x 21" x 10" DEEP) (SEE SPEC DIV 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - LS3 - EPOXY RESIN SINKS DOUBLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - DESK CHAIR

BID DOCUMENTS FULLY SPRINKLERED

Project Number: 646-10-100
 Contract Number: VA244-P-1827
 Drawing Number: AS - 50G.1
 Dwg. XXX of XXX

Office of Construction and Facilities Management
 Department of Veterans Affairs

CONSULTANTS:

Stantec
 LLC
 400 Morgan Center
 101 E. Diamond Street
 Suiter, PA 16011

ARCHITECT/ENGINEERS:

ADVETECT
 5700 Powell Grove Dr. Suite 100
 Midlothian, Virginia 23112
 (804) 282-2403
 advetect.com

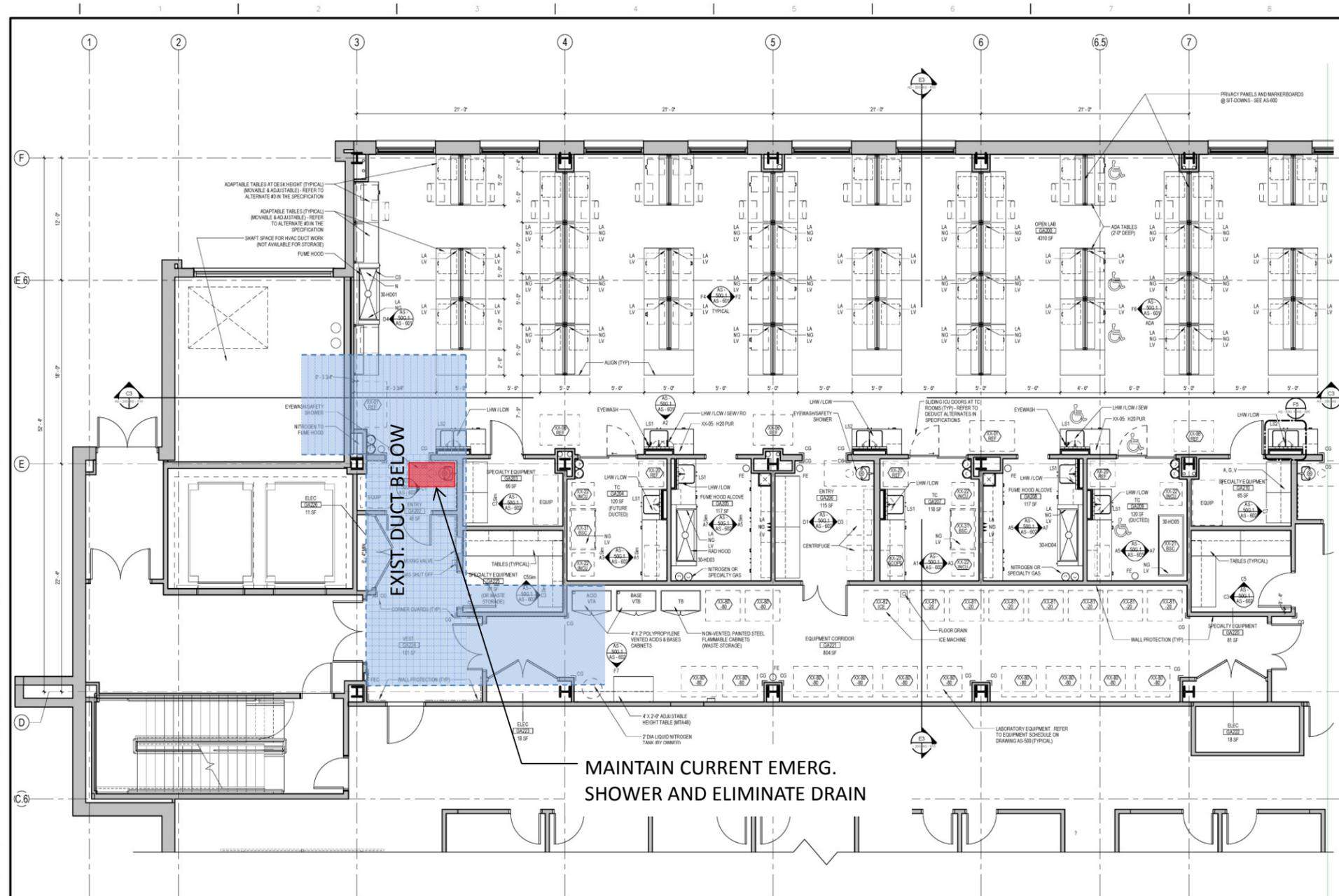
A certified Service Disabled Veteran Owned Small Business (SDVOSB)

Approved: VAPHS Director	Approved: V.P. Facility Manager
Approved: Associate Director	Approved: Manager Project Section
Approved: ACOS/RMO	Approved: Project Engineer

Project Title	Enlarged Plan - Laboratory Ground Floor - Part 1
Project Location	UNIVERSITY DRIVE RESEARCH OFFICE BUILDING WET LABS University Drive, Pittsburgh, PA 15240
Scale	As indicated
Building Number	30
Date	4/30/2013

Project Number	646-10-100
Contract Number	VA244-P-1827
Drawing Number	AS - 50G.1
Dwg. XXX of XXX	

VA FORM 08-82.31



ENLARGED PLAN - GROUND FLOOR - PART 1
1/4" = 1'-0"

PROPOSED SOLUTION #1

ELIMINATE DRAIN

- ### CASEWORK GENERAL NOTES
- DO NOT SCALE DRAWINGS.
 - ELEVATIONS HAVE BEEN DRAWN FOR THE CASEWORK AND APPEAR ON DRAWINGS IN THE A-80 SERIES. REFER TO DRAWING A80 FOR TYPICAL CABINETS AND DETAILS. REFER TO PLANS, ENLARGED PLANS, AND ELEVATIONS FOR DIMENSIONS, QUANTITY, AND SPACING.
 - BASE UNITS, WALL CABINETS, AND SERVICE CHASE PANELS SHALL BE OF METAL OR WOOD CONSTRUCTION AS NOTED. CABINET TYPES, CONFIGURATIONS, AND DIMENSIONS SHALL BE AS DETAILED ON CASEWORK ELEVATIONS. CASEWORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS BEFORE BEGINNING FABRICATION.
 - COUNTERTOPS AT LAB BENCHES AND TABLES SHALL BE EPOXY RESIN, SPECIFIED IN DIV. 12 (UNLESS OTHERWISE NOTED). REFER TO NOTES ON ENLARGED LAB PLANS AND SERVICE DRAWINGS AND CASEWORK ELEVATIONS DRAWINGS AND REVISE FOR OTHER COUNTERTOP MATERIALS. PROVIDE 1/2" BACKUP ON OUTSIDE CORNERS. COUNTERTOPS TO DESK AND BASE UNITS AND SERVICE PANELS BY 1/2".
 - REFER TO PLANS, ENLARGED PLANS AND ELEVATIONS FOR DEPTHS OF COUNTERTOPS.
 - BACK AND SIDE SPLASHES TO BE 1" THICK AND 1/2" HIGH (0.5") MATERIAL TO MATCH COUNTERTOPS. PROVIDE SIDE SPLASHES AT DYPHUM BOARD PARTITIONS, ADJACENT CASEWORK AND CABINETS, AND INSIDE COUNTERTOPS AND ADJACENT TO FUME HOODS.
 - SINKS SHALL BE MODIFIED EPOXY RESIN WITH SIZE AS INDICATED IN THE LEGEND, UNLESS OTHERWISE NOTED. SINKS SHALL BE IN SINK BASE UNITS. SINK COLOR TO BE COORDINATED WITH COUNTERTOP COLOR.
 - COORDINATE SIZE, LOCATION OF FAUCETS, AND SERVICE VALVES SO THAT THE FAUCET AND VALVE COMPONENTS DO NOT INTERFERE WITH EACH OTHER.
 - PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
 - PROVIDE FILLER/SICRE PANELS AT WALLS AND COLUMN CONDITIONS, U.O.N.
 - INSTALL CLOSURE PANELS BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS.
 - COORDINATE WITH REFLECTED CEILING PLANS FOR PROPER CEILING HEIGHTS AND PIPE DROP ENCLOSURE HEIGHTS/LOCATIONS.
 - CONTRACTOR TO COORDINATE THE INSTALLATION OF SUPPLEMENTARY FRAMING, FLOORING, AND BRACING FOR SUPPORT OF ALL WALL MOUNTED AND CEILING MOUNTED ITEMS. COMPLY WITH DETAILS INDICATED OR IF NONE AVAILABLE, WITH "DYPHUM CONSTRUCTION HANDBOOK" - PUBLISHED BY USGC. MINIMUM SIZE FOR BRACING IS 8" X 16" GA.
 - PROVIDE 2" DIAMETER PLASTIC GROMMET WHERE GROMMETS ARE INDICATED, UNLESS OTHERWISE NOTED.
 - PENETRATIONS THROUGH BENCH TOP SHALL BE SEALED WITH 100% SILICONE BASE SEALANT.
 - BACKS OF COUNTERTOPS AND SPLASHES AGAINST WALLS SHALL BE SEALED TO THE WALL WITH 100% SILICONE BASE SEALANT.
 - FREE STANDING SHELVING AND CASEWORK SHALL BE SECURED TO PREVENT TIPPING. SUBMIT SHOP DRAWINGS OF ATTACHMENT PRIOR TO INSTALLATION.
 - SAFETY SHOWERS/EYEWASH UNITS SHALL COMPLY WITH AIB STANDARDS FOR LIABILITY BY THE PHYSICALLY DISABLED. SAFETY SHOWER/EYEWASH UNITS SHALL BE FINISHED AND INSTALLED UNDER DIVISION 22.
 - FOR LABORATORY SERVICE FITTING TYPES, LOCATIONS AND ORDER, SEE ENLARGED PLANS. THESE FITTINGS ARE SPECIFIED IN DIVISION 12.
 - PROVIDE PLASTIC TRAY GELT PROTECTORS AT ALL LAB BASE CABINETS BELOW FUME HOODS AND SINKS.
 - REFER TO THE EQUIPMENT LIST FOR OWNER FURNISHED EQUIPMENT INSTALLED AND NUMBER OF EQUIPMENT CONTRACTOR INSTALLED EQUIPMENT.
 - WOOD CASEWORK BASE CABINET BASES TO BE MARINE GRADE PLYWOOD OR FIBERGLASS.
 - ALL DRAWERS AND DOORS ON ALL LAB CABINETS AND WALL CABINETS TO HAVE LOCKS. COORDINATE FINAL KEYING WITH OWNER.

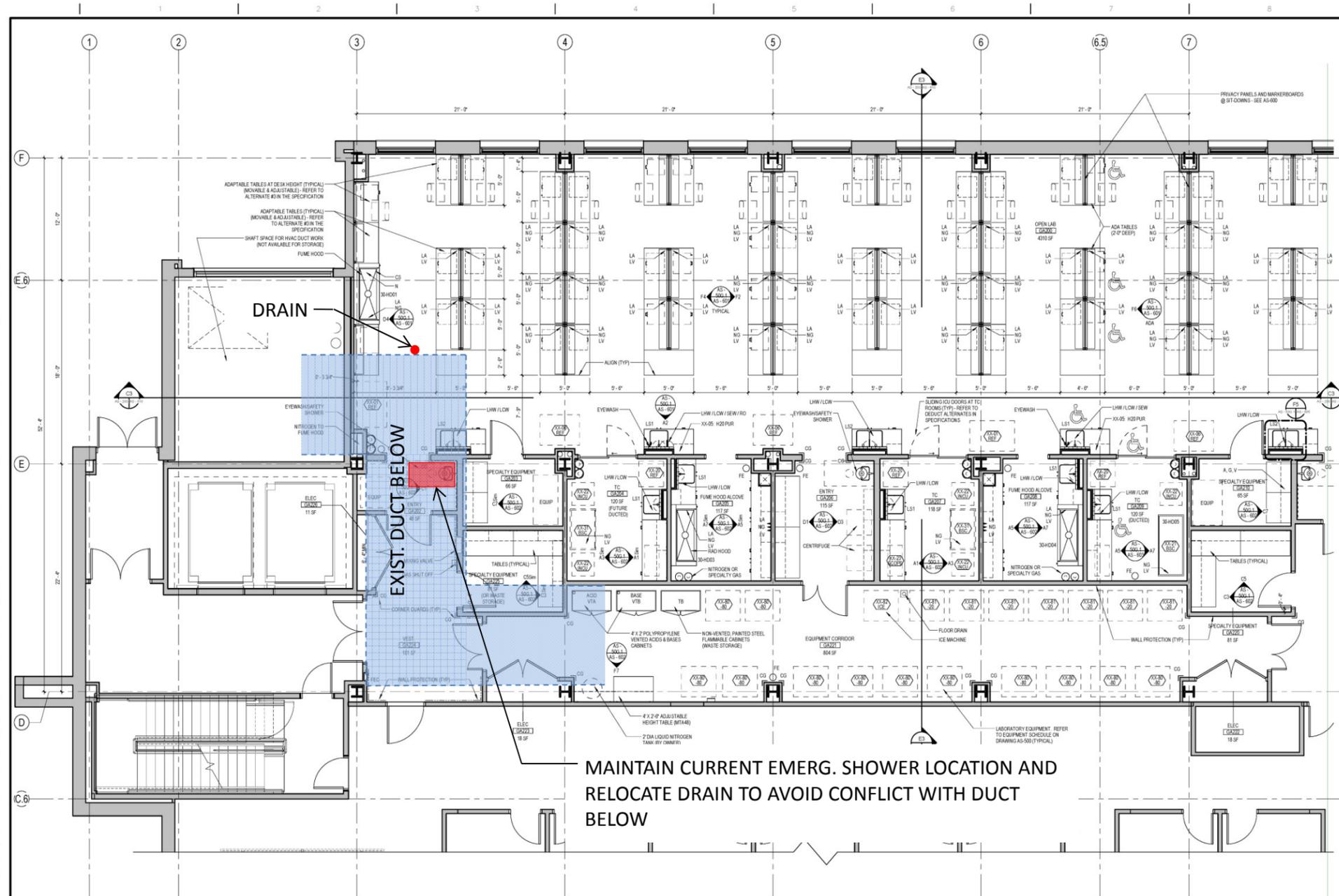
- ### SCIENTIFIC ABBREVIATIONS
- CO2 = CARBON DIOXIDE
 - OW = COLD WATER
 - FE = FUME EXHAUSTER
 - NG = LAB GAS (NATURAL GAS)
 - LA = LAB AIR (COMPRESSED)
 - LOW = LAB COLD WATER
 - LHW = LAB HOT WATER
 - LV = LAB VACUUM
 - SEW = SAFETY EYEWASH
 - SEWEN = SAFETY SHOWER AND SAFETY EYEWASH COMBINATION UNIT
 - RI = REVERSE OSMOSIS WATER
 - CG = CORNER GUARDS

- ### SYMBOLS LEGEND
- ADJUSTABLE WALL SHELVES (1.0" OR) WALL CABINETS, SEE CASEWORK ELEVATIONS.
 - CYLINDER RESTRAINT - 2, 3, OR 4 CYLINDERS PER PLAN. REFER TO DETAIL ON DRAWING A500. (CYLINDER BY OWNER)
 - DEWAR BUMPERS - REFER TO DETAIL ON DRAWING A500. (DEWAR BY OWNER)
 - FUME HOOD WITH DISHED EPOXY RESIN WORK SURFACE. PROVIDE LAB SERVICE OUTLETS AS INDICATED ON THE ENLARGED LAB PLANS. REFER TO CASEWORK ELEVATIONS FOR REGULAR OR ADA HEIGHT. REFER TO FUME HOOD DETAILS AND SPECIFICATIONS ON SHEET A500.
 - LAB EQUIPMENT - REFER TO LAB EQUIPMENT SCHEDULE ON DRAWING A5-500.
 - SAFETY SHOWER AND EYEWASH (SPECIFIED IN DIVISION 22) - REFER TO DETAILS ON DRAWING A5-500.
 - PIPE DROP ENCLOSURE - REFER TO DETAILS
 - HW / OW SPOUT
 - OW SPOUT
 - RD SPOUT (FIXED)
 - CAMERA
 - L12 = EPOXY RESIN SINK SINGLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12) REFER TO ENLARGED PLANS FOR SERVICES & LOCATIONS.
 - L12 = EPOXY RESIN SINKS DOUBLE BOWL (17" x 21" x 10" DEEP) (SEE SPEC DIV 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS.
 - L12 = EPOXY RESIN SINKS DOUBLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS.
 - DESK CHAIR

BID DOCUMENTS FULLY SPRINKLERED

CONSULTANTS: Stantec Architecture and Engineering LLC 400 Morgan Center 101 E. Diamond Street Suiter, PA 16011		ARCHITECT/ENGINEERS: ADVETECT 5700 Powell Grove Dr. Suite 100 Midlothian, Virginia 23112 (804) 282-2403 advetect.com A certified Service Disabled Veteran Owned Small Business (SDVOSB)		Approved: VAPHS Director Approved: Associate Director Approved: ACOS/RMD	Approved: V.P. Facility Manager Approved: Manager Project Section Approved: Project Engineer	Drawing Title: Enlarged Plan - Laboratory Ground Floor - Part 1 Scale: As indicated Building Number: 30 Drawn By: _____ Checked By: _____	Project Title: UNIVERSITY DRIVE RESEARCH OFFICE BUILDING WET LABS Location: University Drive, Pittsburgh, PA 15240 Date: 4/30/2013 AutoCAD File Number: _____	Project Number: 646-10-100 Contract Number: VA244-P-1827 Drawing Number: AS - 50G.1 Dwg. XXX of XXX	Office of Construction and Facilities Management Department of Veterans Affairs
---	--	--	--	--	--	---	---	--	--

VA FORM 08-82.31



ENLARGED PLAN - GROUND FLOOR - PART 1
1/4" = 1'-0"

PROPOSED SOLUTION #2

RELOCATE DRAIN

- ### CASEWORK GENERAL NOTES
- DO NOT SCALE DRAWINGS.
 - ELEVATIONS HAVE BEEN DRAWN FOR THE CASEWORK AND APPEAR ON DRAWINGS IN THE A-80 SERIES. REFER TO DRAWING A80 FOR TYPICAL CABINETS AND DETAILS. REFER TO PLANS, ENLARGED PLANS, AND ELEVATIONS FOR DIMENSIONS, QUANTITY, AND SPACING.
 - BASE UNITS, WALL CABINETS, AND SERVICE CHASE PANELS SHALL BE OF METAL OR WOOD CONSTRUCTION AS NOTED. CABINET TYPES, CONFIGURATIONS, AND DIMENSIONS SHALL BE AS DETAILED ON CASEWORK ELEVATIONS. CASEWORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS BEFORE BEGINNING FABRICATION.
 - COUNTERTOPS AT LAB BENCHES AND TABLES SHALL BE EPOXY RESIN, SPECIFIED IN DIV. 12 (UNLESS OTHERWISE NOTED). REFER TO NOTES ON ENLARGED LAB PLANS AND SERVICE DRAWINGS AND CASEWORK ELEVATIONS DRAWINGS AND REVISE FOR OTHER COUNTERTOP MATERIALS. PROVIDE 1/2" BACKUP ON OUTSIDE CORNERS. COUNTERTOPS TO OVERHANG BASE UNITS AND SERVICE PANELS BY 1".
 - REFER TO PLANS, ENLARGED PLANS AND ELEVATIONS FOR DEPTHS OF COUNTERTOPS.
 - BACK AND SIDE SPLASHES TO BE 1" THICK AND 1/2" HIGH (0.5") MATERIAL TO MATCH COUNTERTOPS. PROVIDE SIDE SPLASHES AT DYPHUM BOARD PARTITIONS, ADJACENT CASEWORK AND CABINETS, AND INSIDE COUNTERTOPS AND ADJACENT TO FUME HOODS.
 - SINKS SHALL BE MODIFIED EPOXY RESIN WITH SIZE AS INDICATED IN THE LEGEND, UNLESS OTHERWISE NOTED. SINKS SHALL BE IN SINK BASE UNITS. SINK COLOR TO BE COORDINATED WITH COUNTERTOP COLOR.
 - COORDINATE SIZE, LOCATION OF FAUCETS, AND SERVICE VALVES SO THAT THE FAUCET AND VALVE COMPONENTS DO NOT INTERFERE WITH EACH OTHER.
 - PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
 - PROVIDE FILLER/SICRE PANELS AT WALLS AND COLUMN CONDITIONS, U.O.N.
 - INSTALL CLOSURE PANELS BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS.
 - COORDINATE WITH REFLECTED CEILING PLANS FOR PROPER CEILING HEIGHTS AND PIPE DROP ENCLOSURE HEIGHTS/LOCATIONS.
 - CONTRACTOR TO COORDINATE THE INSTALLATION OF SUPPLEMENTARY FRAMING, BLOODING, AND BRACING FOR SUPPORT OF ALL WALL MOUNTED AND CEILING MOUNTED ITEMS. COMPLY WITH DETAILS INDICATED OR IF NONE AVAILABLE, WITH "DIP-SAW CONSTRUCTION HANDBOOK" - PUBLISHED BY USGC. MINIMUM SIZE FOR BRACING IS 8" X 16" GA.
 - PROVIDE 2" DIAMETER PLASTIC GROMMET WHERE GROMMETS ARE INDICATED, UNLESS OTHERWISE NOTED.
 - PENETRATIONS THROUGH BENCH TOP SHALL BE SEALED WITH 100% SILICONE BASE SEALANT.
 - BACKS OF COUNTERTOPS AND SPLASHES AGAINST WALLS SHALL BE SEALED TO THE WALL WITH 100% SILICONE BASE SEALANT.
 - FREE STANDING SHELVING AND CASEWORK SHALL BE SECURED TO PREVENT TIPPING. SUBMIT SHOP DRAWINGS OF ATTACHMENT PRIOR TO INSTALLATION.
 - SAFETY SHOWERS/EYEWASH UNITS SHALL COMPLY WITH ALL STANDARDS FOR LIABILITY BY THE PHYSICALLY DISABLED. SAFETY SHOWER/EYEWASH UNITS SHALL BE FINISHED AND INSTALLED UNDER DIVISION 22.
 - FOR LABORATORY SERVICE FITTING TYPES, LOCATIONS AND ORDER, SEE ENLARGED PLANS. THESE FITTINGS ARE SPECIFIED IN DIVISION 12.
 - PROVIDE PLASTIC TRAY SELF PROTECTORS AT ALL LAB BASE CABINETS BELOW FUME HOODS AND SINKS.
 - REFER TO THE EQUIPMENT LIST FOR OWNER-FURNISHED DOWNER INSTALLED AND FINISHED BY CONTRACTOR INSTALLED EQUIPMENT.
 - WOOD CASEWORK BASE CABINET BASES TO BE MARINE GRADE PLYWOOD OR FIBERGLASS.
 - ALL DRAWERS AND DOORS ON ALL LAB CABINETS AND WALL CABINETS TO HAVE LOCKS. COORDINATE FINAL KEYING WITH OWNER.

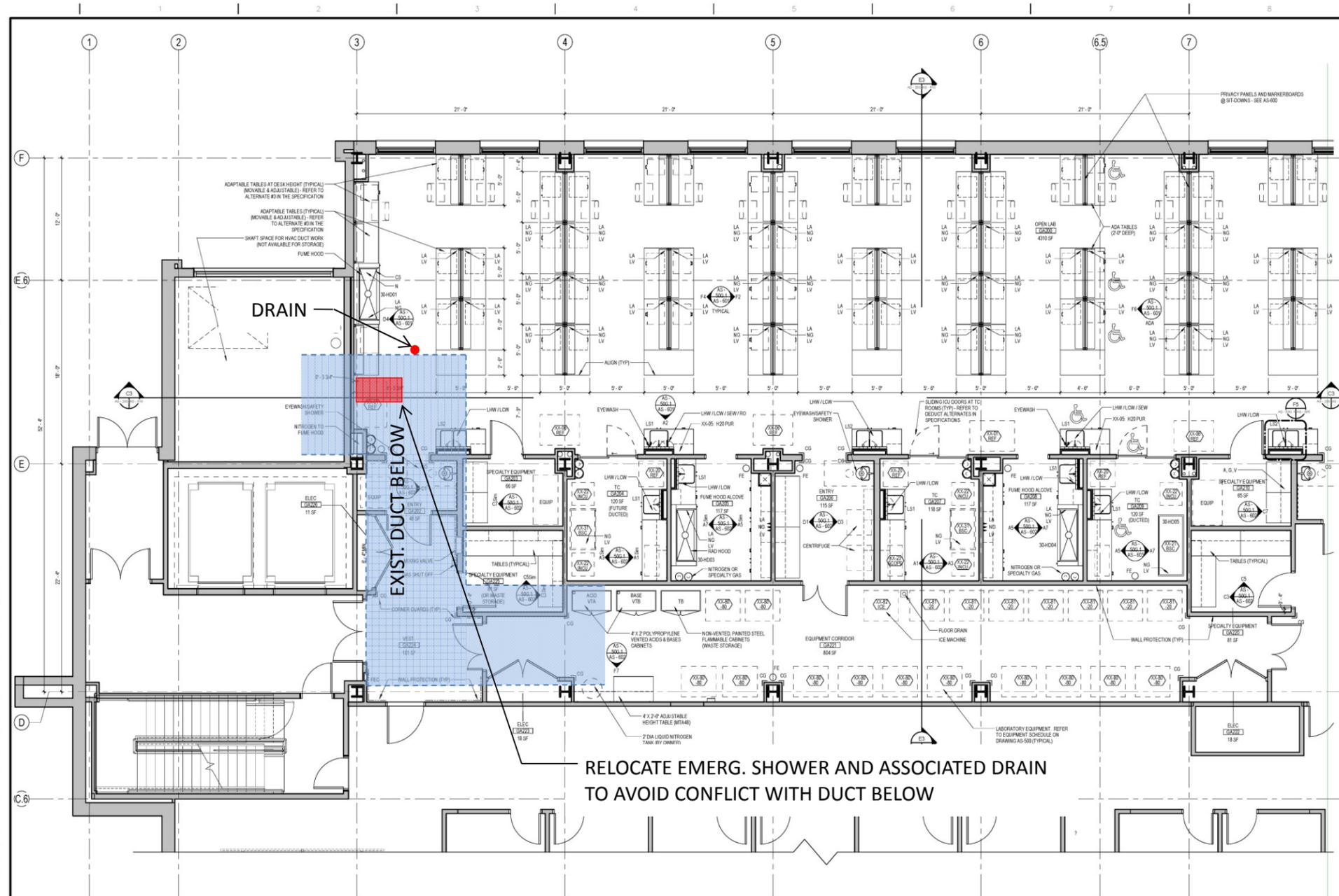
- ### SCIENTIFIC ABBREVIATIONS
- CO2 = CARBON DIOXIDE
 - OW = COLD WATER
 - FE = FUME EXHAUSTER
 - NG = LAB GAS (NATURAL GAS)
 - LA = LAB AIR (COMPRESSED)
 - LOW = LAB COLD WATER
 - LHW = LAB HOT WATER
 - LV = LAB VACUUM
 - SEW = SAFETY EYEWASH
 - SEWEN = SAFETY SHOWER AND SAFETY EYEWASH COMBINATION UNIT
 - RO = REVERSE OSMOSIS WATER
 - CG = CORNER GUARDS

- ### SYMBOLS LEGEND
- ADJUSTABLE WALL SHELVES (1.0" OR) OR WALL CABINETS, SEE CASEWORK ELEVATIONS.
 - CYLINDER RESTRAINT - (2, 3, OR 4) CYLINDERS PER PLAN. REFER TO DETAIL ON DRAWING A500. (CYLINDER BY OWNER)
 - DEWAR BUMPERS - REFER TO DETAIL ON DRAWING A500. (DEWAR BY OWNER)
 - FUME HOOD WITH DISHED EPOXY RESIN WORK SURFACE. PROVIDE LAB SERVICE OUTLETS AS INDICATED ON THE ENLARGED LAB PLANS. REFER TO CASEWORK ELEVATIONS FOR REGULAR OR ADA HEIGHT. REFER TO FUME HOOD DETAILS AND SPECIFICATIONS ON SHEET A500.
 - LAB EQUIPMENT - REFER TO LAB EQUIPMENT SCHEDULE ON DRAWING A5-500.
 - SAFETY SHOWER AND EYEWASH (SPECIFIED IN DIVISION 22) - REFER TO DETAILS ON DRAWING A5-500.
 - PIPE DROP ENCLOSURE - REFER TO DETAILS.
 - HW / OW SPOUT
 - OW SPOUT
 - RO SPOUT (FIXED)
 - CAMERA
 - L12 = EPOXY RESIN SINK SINGLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12) REFER TO ENLARGED PLANS FOR SERVICES & LOCATIONS.
 - L12 = EPOXY RESIN SINKS DOUBLE BOWL (17" x 21" x 10" DEEP) (SEE SPEC DIV 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - L12 = EPOXY RESIN SINKS DOUBLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - DESK CHAIR

BID DOCUMENTS FULLY SPRINKLERED

CONSULTANTS: Stantec Architecture and Engineering LLC 400 Morgan Center 101 E. Diamond Street Suiter, PA 16011		ARCHITECT/ENGINEERS: ADVETECT 5700 Powell Grove Dr. Suite 100 Midlothian, Virginia 23112 (804) 282-2403 advetect.com A certified Service Disabled Veteran Owned Small Business (SDVOSB)		Approved: VAPHS Director Approved: Associate Director Approved: ACOS/RMD	Approved: V.P. Facility Manager Approved: Manager Project Section Approved: Project Engineer	Drawing Title: Enlarged Plan - Laboratory Ground Floor - Part 1 Scale: As indicated Building Number: 30 Drawn By: Checked By:	Project Title: UNIVERSITY DRIVE RESEARCH OFFICE BUILDING WET LABS Location: University Drive, Pittsburgh, PA 15240 Date: 4/30/2013 AutoCAD File Number:	Project Number: 646-10-100 Contract Number: VA244-P-1827 Drawing Number: AS - 50G.1 Dwg. XXX of XXX	Office of Construction and Facilities Management Department of Veterans Affairs
---	--	--	--	--	--	---	--	--	--

VA FORM 08-62.51



ENLARGED PLAN - GROUND FLOOR - PART 1
1/4" = 1'-0"

PROPOSED SOLUTION #3A

RELOCATE EMERG. SHOWER AND DRAIN OPTION A

- ### CASEWORK GENERAL NOTES
- DO NOT SCALE DRAWINGS.
 - ELEVATIONS HAVE BEEN DRAWN FOR THE CASEWORK AND APPEAR ON DRAWINGS IN THE A-80 SERIES. REFER TO DRAWING A80 FOR TYPICAL CABINETS AND DETAILS. REFER TO PLANS, ENLARGED PLANS, AND ELEVATIONS FOR DIMENSIONS, QUANTITY, AND SPACING.
 - BASE UNITS, WALL CABINETS, AND SERVICE CHASE PANELS SHALL BE OF METAL OR WOOD CONSTRUCTION. AS NOTED, CABINET TYPES, CONFIGURATIONS, AND DIMENSIONS SHALL BE AS DETAILED ON CASEWORK ELEVATIONS. CASEWORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS BEFORE BEGINNING FABRICATION.
 - COUNTERTOPS AT LAB BENCHES AND TABLES SHALL BE EPOXY RESIN, SPECIFIED IN DIV. 12 (UNLESS OTHERWISE NOTED). REFER TO NOTES ON ENLARGED LAB PLANS AND SERVICE DRAWINGS AND CASEWORK ELEVATIONS DRAWINGS AND REVISED FOR OTHER COUNTERTOP MATERIALS. PROVIDE 1" RADIUS ON OUTSIDE CORNERS. COUNTERTOPS TO OVERHANG BASE UNITS AND SERVICE PANELS BY 1".
 - REFER TO PLANS, ENLARGED PLANS AND ELEVATIONS FOR DEPTHS OF COUNTERTOPS.
 - BACK AND SIDE SPLASHES TO BE 1" THICK AND 1/2" HIGH (0.5") MATERIAL TO MATCH COUNTERTOPS. PROVIDE SIDE SPLASHES AT DYPHUM BOARD PARTITIONS, ADJACENT CASEWORK AND CABINETS, AND INSIDE COUNTERTOPS AND ADJACENT TO FUME HOODS.
 - SINKS SHALL BE MODIFIED EPOXY RESIN WITH SIZE AS INDICATED IN THE LEGEND, UNLESS OTHERWISE NOTED. SINKS SHALL BE IN SINK BASE UNITS. SINK COLOR TO BE COORDINATED WITH COUNTERTOP COLOR.
 - COORDINATE SIZE, LOCATION OF FAUCETS, AND SERVICE VALVES SO THAT THE FAUCET AND VALVE COMPONENTS DO NOT INTERFERE WITH EACH OTHER.
 - PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
 - PROVIDE FILLER/SICRE PANELS AT WALLS AND COLUMN CONDITIONS, U.O.N.
 - INSTALL CLOSURE PANELS BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS.
 - COORDINATE WITH REFLECTED CEILING PLANS FOR PROPER CEILING HEIGHTS AND PIPE DROP ENCLOSURE HEIGHTS/LOCATIONS.
 - CONTRACTOR TO COORDINATE THE INSTALLATION OF SUPPLEMENTARY FRAMING, FLOORING, AND BRACING FOR SUPPORT OF ALL WALL MOUNTED AND CEILING MOUNTED ITEMS. COMPLY WITH DETAILS INDICATED OR IF NONE AVAILABLE, WITH "DIP-SAM CONSTRUCTION HANDBOOK" - PUBLISHED BY USGC. MINIMUM SIZE FOR BRACING IS 8" X 16" GA.
 - PROVIDE 2" DIAMETER PLASTIC GROMMET WHERE GROMMETS ARE INDICATED, UNLESS OTHERWISE NOTED.
 - PENETRATIONS THROUGH BENCH TOP SHALL BE SEALED WITH 100% SILICONE BASE SEALANT.
 - BACKS OF COUNTERTOPS AND SPLASHES AGAINST WALLS SHALL BE SEALED TO THE WALL WITH 100% SILICONE BASE SEALANT.
 - FREE STANDING SHELVING AND CASEWORK SHALL BE SECURED TO PREVENT TIPPING. SUBMIT SHOP DRAWINGS OF ATTACHMENT PRIOR TO INSTALLATION.
 - SAFETY SHOWERS/EYEWASH UNITS SHALL COMPLY WITH AHS STANDARDS FOR QUALITY BY THE PHYSICALLY DISABLED. SAFETY SHOWER/EYEWASH UNITS SHALL BE FINISHED AND INSTALLED UNDER DIVISION 22.
 - FOR LABORATORY SERVICE FITTING TYPES, LOCATIONS AND ORDER, SEE ENLARGED PLANS. THESE FITTINGS ARE SPECIFIED IN DIVISION 12.
 - PROVIDE PLASTIC TRAY SELF PROTECTORS AT ALL LAB BASE CABINETS BELOW FUME HOODS AND SINKS.
 - REFER TO THE EQUIPMENT LIST FOR OWNER-FURNISHED DOWNER INSTALLED AND FINISHED BY CONTRACTOR INSTALLED EQUIPMENT.
 - WOOD CASEWORK BASE CABINET BASES TO BE MARINE GRADE PLYWOOD OR FIBERGLASS.
 - ALL DRAWERS AND DOORS ON ALL LAB CABINETS AND WALL CABINETS TO HAVE LOCKS. COORDINATE FINAL KEYING WITH OWNER.

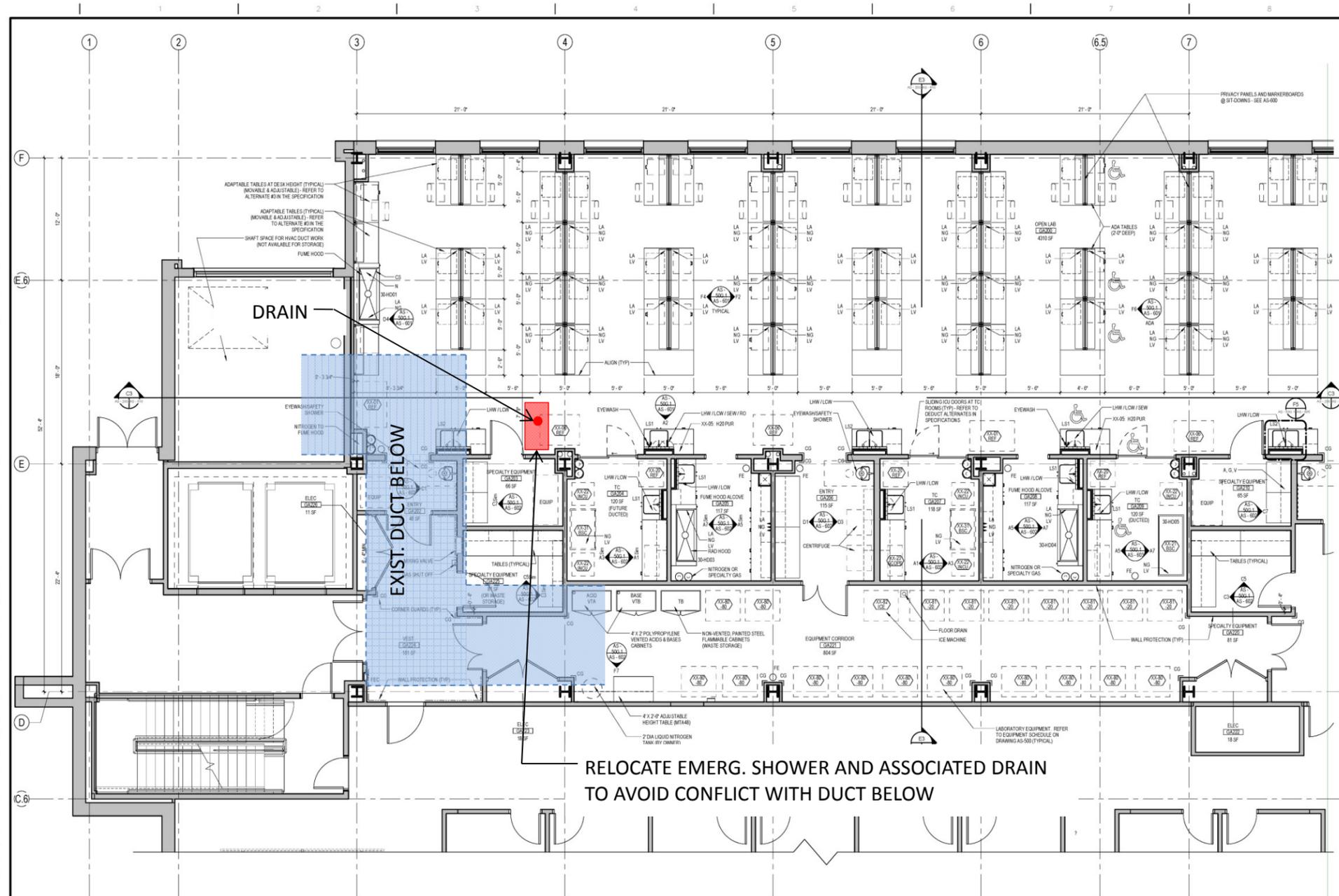
- ### SCIENTIFIC ABBREVIATIONS
- CO2 = CARBON DIOXIDE
 - OW = COLD WATER
 - FE = FIRE EXTINGUISHER
 - NG = LAB GAS (NATURAL GAS)
 - LA = LAB AIR (COMPRESSED)
 - LOW = LAB COLD WATER
 - LHW = LAB HOT WATER
 - LV = LAB VACUUM
 - SEW = SAFETY EYEWASH
 - SEW + SH = SAFETY SHOWER AND SAFETY EYEWASH COMBINATION UNIT
 - RI = REVERSE OSMOSIS WATER
 - CG = CORNER GUARDS

- ### SYMBOLS LEGEND
- ADJUSTABLE WALL SHELVES (1 TER, 1 O.N.) OR WALL CABINETS. SEE CASEWORK ELEVATIONS.
 - CYLINDER RESTRAINT - 2, 3, OR 4 CYLINDERS PER PLAN. REFER TO DETAIL ON DRAWING A500. (CYLINDER BY OWNER)
 - DEWAR BUMPERS - REFER TO DETAIL ON DRAWING A500. (DEWAR BY OWNER)
 - FUME HOOD WITH DISHED EPOXY RESIN WORK SURFACE. PROVIDE LAB SERVICE OUTLETS AS INDICATED ON THE ENLARGED LAB PLANS. REFER TO CASEWORK ELEVATIONS FOR REGULAR OR ADA HEIGHT. REFER TO FUME HOOD DETAILS AND SPECIFICATIONS ON SHEET A500.
 - LAB EQUIPMENT - REFER TO LAB EQUIPMENT SCHEDULE ON DRAWING A5-500.
 - SAFETY SHOWER AND EYEWASH (SPECIFIED IN DIVISION 22) - REFER TO DETAILS ON DRAWING A5-500.
 - PIPE DROP ENCLOSURE - REFER TO DETAILS.
 - HW / OW SPOUT
 - OW SPOUT
 - RD SPOUT (FIXED)
 - CAMERA
 - L11 - EPOXY RESIN SINK SINGLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC. DIVISION 12) REFER TO ENLARGED PLANS FOR SERVICES & LOCATIONS.
 - L12 - EPOXY RESIN SINKS DOUBLE BOWL (17" x 21" x 10" DEEP) (SEE SPEC. DIV. 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - L13 - EPOXY RESIN SINKS DOUBLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC. DIVISION 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - DESK CHAIR

BID DOCUMENTS FULLY SPRINKLERED

CONSULTANTS: Stantec Architecture and Engineering LLC 400 Morgan Center 101 E. Diamond Street Suiter, PA 16011		ARCHITECT/ENGINEERS: ADVETECT 5700 Powell Grove Dr. Suite 100 Midlothian, Virginia 23112 (804) 282-2403 advetect.com A certified Service Disabled Veteran Owned Small Business (SDVOSB)		Approved: VAPHS Director Approved: Associate Director Approved: ACOS/RMD	Approved: V.P. Facility Manager Approved: Manager Project Section Approved: Project Engineer	Drawing Title: Enlarged Plan - Laboratory Ground Floor - Part 1 Scale: As indicated Building Number: 30 Drawn By: _____ Checked By: _____	Project Title: UNIVERSITY DRIVE RESEARCH OFFICE BUILDING WET LABS Location: University Drive, Pittsburgh, PA 15240 Date: 4/30/2013 AutoCAD File Number: _____	Project Number: 646-10-100 Contract Number: VA244-P-1827 Drawing Number: AS - 50G.1 Dwg. XXX of XXX	Office of Construction and Facilities Management Department of Veterans Affairs
---	--	--	--	--	--	---	---	--	--

VA FORM 08-82.31



ENLARGED PLAN - GROUND FLOOR - PART 1
1/4" = 1'-0"

PROPOSED SOLUTION #3B

RELOCATE EMERG. SHOWER AND DRAIN OPTION B

- ### CASEWORK GENERAL NOTES
- DO NOT SCALE DRAWINGS.
 - ELEVATIONS HAVE BEEN DRAWN FOR THE CASEWORK AND APPEAR ON DRAWINGS IN THE A-80 SERIES. REFER TO DRAWING A80 FOR TYPICAL CABINETS AND DETAILS. REFER TO PLANS, ENLARGED PLANS, AND ELEVATIONS FOR DIMENSIONS, QUANTITY, AND SPACING.
 - BASE UNITS, WALL CABINETS, AND SERVICE CHASE PANELS SHALL BE OF METAL OR WOOD CONSTRUCTION AS NOTED. CABINET TYPES, CONFIGURATIONS, AND DIMENSIONS SHALL BE AS DETAILED ON CASEWORK ELEVATIONS. CASEWORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS BEFORE BEGINNING FABRICATION.
 - COUNTERTOPS AT LAB BENCHES AND TABLES SHALL BE EPOXY RESIN, SPECIFIED IN DIV. 12 (UNLESS OTHERWISE NOTED). REFER TO NOTES ON ENLARGED LAB PLANS AND SERVICE DRAWINGS AND CASEWORK ELEVATIONS DRAWINGS AND REVISED FOR OTHER COUNTERTOP MATERIALS. PROVIDE 1" RADIUS ON OUTSIDE CORNERS. COUNTERTOPS TO OVERHANG BASE UNITS AND SERVICE PANELS BY 1".
 - REFER TO PLANS, ENLARGED PLANS AND ELEVATIONS FOR DEPTHS OF COUNTERTOPS.
 - BACK AND SIDE SPLASHES TO BE 1" THICK AND 1/2" HIGH (0.5") MATERIAL TO MATCH COUNTERTOPS. PROVIDE SIDE SPLASHES AT DYPHUM BOARD PARTITIONS, ADJACENT CASEWORK AND CABINETS, AND INSIDE COUNTERTOPS AND ADJACENT TO FUME HOODS.
 - SINKS SHALL BE MODIFIED EPOXY RESIN WITH SIZE AS INDICATED IN THE LEGEND, UNLESS OTHERWISE NOTED. SINKS SHALL BE IN SINK BASE UNITS. SINK COLOR TO BE COORDINATED WITH COUNTERTOP COLOR.
 - COORDINATE SIZE, LOCATION OF FAUCETS, AND SERVICE VALVES SO THAT THE FAUCET AND VALVE COMPONENTS DO NOT INTERFERE WITH EACH OTHER.
 - PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
 - PROVIDE FILLER/SICRE PANELS AT WALLS AND COLUMN CONDITIONS, U.O.N.
 - INSTALL CLOSURE PANELS BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS.
 - COORDINATE WITH REFLECTED CEILING PLANS FOR PROPER CEILING HEIGHTS AND PIPE DROP ENCLOSURE HEIGHTS/LOCATIONS.
 - CONTRACTOR TO COORDINATE THE INSTALLATION OF SUPPLEMENTARY FRAMING, FLOORING, AND BRACING FOR SUPPORT OF ALL WALL MOUNTED AND CEILING MOUNTED ITEMS. COMPLY WITH DETAILS INDICATED OR IF NONE AVAILABLE, WITH "DIP-SAM CONSTRUCTION HANDBOOK" - PUBLISHED BY USGC. MINIMUM SIZE FOR BRACING IS 8" X 16" GA.
 - PROVIDE 2" DIAMETER PLASTIC GROMMET WHERE GROMMETS ARE INDICATED, UNLESS OTHERWISE NOTED.
 - PENETRATIONS THROUGH BENCH TOP SHALL BE SEALED WITH 100% SILICONE BASE SEALANT.
 - BACKS OF COUNTERTOPS AND SPLASHES AGAINST WALLS SHALL BE SEALED TO THE WALL WITH 100% SILICONE BASE SEALANT.
 - FREE STANDING SHELVING AND CASEWORK SHALL BE SECURED TO PREVENT TIPPING. SUBMIT SHOP DRAWINGS OF ATTACHMENT PRIOR TO INSTALLATION.
 - SAFETY SHOWERS/EYEWASH UNITS SHALL COMPLY WITH AHS STANDARDS FOR QUALITY BY THE PHYSICALLY DISABLED. SAFETY SHOWER/EYEWASH UNITS SHALL BE FINISHED AND INSTALLED UNDER DIVISION 22.
 - FOR LABORATORY SERVICE FITTING TYPES, LOCATIONS AND ORDER, SEE ENLARGED PLANS. THESE FITTINGS ARE SPECIFIED IN DIVISION 12.
 - PROVIDE PLASTIC TRAY GELT PROTECTORS AT ALL LAB BASE CABINETS BELOW FUME HOODS AND SINKS.
 - REFER TO THE EQUIPMENT LIST FOR OWNER-FURNISHED DOWNER INSTALLED AND FINISHED BY CONTRACTOR INSTALLED EQUIPMENT.
 - WOOD CASEWORK BASE CABINET BASES TO BE MARINE GRADE PLYWOOD OR FIBERGLASS.
 - ALL DRAWERS AND DOORS ON ALL LAB CABINETS AND WALL CABINETS TO HAVE LOCKS. COORDINATE FINAL KEYING WITH OWNER.

- ### SCIENTIFIC ABBREVIATIONS
- CO2 = CARBON DIOXIDE
 - OW = COLD WATER
 - FE = FIRE EXTINGUISHER
 - N2 = NITROGEN
 - NG = NON-HAZARDOUS GAS
 - LA = LAB AIR (COMPRESSED)
 - LOW = LAB COLD WATER
 - LHW = LAB HOT WATER
 - LV = LAB VACUUM
 - SEW = SAFETY EYEWASH
 - SEWEN = SAFETY SHOWER AND SAFETY EYEWASH COMBINATION UNIT
 - RI = REVERSE OSMOSIS WATER
 - CG = CORNER GUARDS

- ### SYMBOLS LEGEND
- ADJUSTABLE WALL SHELVES (1.0" O.D.) OR WALL CABINETS, SEE CASEWORK ELEVATIONS.
 - CYLINDER RESTRAINT - (2, 3, OR 4 CYLINDERS PER PLAN). REFER TO DETAIL ON DRAWING A500. (CYLINDER BY OWNER)
 - DEWAR BUMPERS - REFER TO DETAIL ON DRAWING A500. (DEWAR BY OWNER)
 - FUME HOOD WITH DISHED EPOXY RESIN WORK SURFACE. PROVIDE LAB SERVICE OUTLETS AS INDICATED ON THE ENLARGED LAB PLANS. REFER TO CASEWORK ELEVATIONS FOR REGULAR OR ADA HEIGHT. REFER TO FUME HOOD DETAILS AND SPECIFICATIONS ON SHEET A500.
 - LAB EQUIPMENT - REFER TO LAB EQUIPMENT SCHEDULE ON DRAWING A5-500.
 - SAFETY SHOWER AND EYEWASH (SPECIFIED IN DIVISION 22) - REFER TO DETAILS ON DRAWING A5-500.
 - PIPE DROP ENCLOSURE - REFER TO DETAILS.
 - HW / OW SPOUT
 - OW SPOUT
 - RD SPOUT (FIXED)
 - CAMERA
 - EPoxy RESIN SINK SINGLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12) REFER TO ENLARGED PLANS FOR SERVICES & LOCATIONS.
 - EPoxy RESIN SINKS DOUBLE BOWL (17" x 21" x 10" DEEP) (SEE SPEC DIV 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - EPoxy RESIN SINKS DOUBLE BOWL (21" x 21" x 10" DEEP) (SEE SPEC DIVISION 12. REFER TO ENLARGED PLANS FOR SERVICES AND LOCATIONS).
 - DESK CHAIR

BID DOCUMENTS FULLY SPRINKLERED

CONSULTANTS: Stantec Architecture and Engineering LLC 400 Morgan Center 101 E. Diamond Street Suiter, PA 15011		ARCHITECT/ENGINEERS: ADVETECT 5700 Powell Grove Dr. Suite 100 Midlothian, Virginia 23112 (804) 282-2403 advetect.com A certified Service Disabled Veteran Owned Small Business (SDVOSB)		Approved: VAPHS Director Approved: Associate Director Approved: ACOS/RMD	Approved: V.P. Facility Manager Approved: Manager Project Section Approved: Project Engineer	Drawing Title: Enlarged Plan - Laboratory Ground Floor - Part 1 Scale: As indicated Building Number: 30 Drawn By: _____ Checked By: _____	Project Title: UNIVERSITY DRIVE RESEARCH OFFICE BUILDING WET LABS Location: University Drive, Pittsburgh, PA 15240 Date: 4/30/2013 AutoCAD File Number: _____	Project Number: 646-10-100 Contract Number: VA244-P-1827 Drawing Number: AS - 50G.1 Dwg. XXX of XXX	Office of Construction and Facilities Management Department of Veterans Affairs
---	--	--	--	--	--	---	---	--	--

VA FORM 08-82.31