Fine Arts Parking Garage
Surface Repair

Washington State University
Facilities Services - Capital
Pullman, Washington

GENERAL NOTES

1. The Contractor shall provide all the necessary construction work including materials, skills, equipment, labor, tools, and insurance required to complete the work as shown on the drawings. Failure to do so shall result in the Contractor assuming the responsibility for any and all costs associated with the work.

2. All work shall comply with all codes, ordinances and requirements.

3. This set of drawings is provided for the purpose of preparing estimates and bids for this project. It is the Contractor’s responsibility to perform the work in accordance with these drawings.

4. The Contractor is responsible for all work required to complete the project, including but not limited to: excavations, backfill, and final grading.

5. The Contractor shall coordinate with all utilities and other agencies as necessary to ensure that their work does not interfere with the construction of the project.

6. The Contractor shall be responsible for the timely submission of all necessary permits and applications.

7. The Contractor shall ensure that all materials and equipment are properly furnished and that the work is performed in a safe and workmanlike manner.

8. The Contractor shall ensure that all work is performed in accordance with the specifications and drawings.

9. The Contractor shall ensure that all work is performed in accordance with the approval of the City of Pullman and the State of Washington.

10. The Contractor shall ensure that all work is performed in accordance with the approval of the City of Pullman and the State of Washington.

11. The Contractor shall ensure that all work is performed in accordance with the approval of the City of Pullman and the State of Washington.

12. The Contractor shall ensure that all work is performed in accordance with the approval of the City of Pullman and the State of Washington.

INDEX of DRAWINGS

SHEET # | SHEET TITLE
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G-100 | COVER SHEET
G-101 | INSTRUCTION SHEET
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G-103 | PARKING LEVEL 1 FLOOR PLAN
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G-106 | DETAIL A
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BUILDING INFORMATION

Surface Repair

ABBREVIATIONS

LOCATION MAP

SYMBOLS & GRAPHICS

SHEET TITLE: Fine Arts Parking Garage

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STRUCTURAL NOTES

REINFORCING BARS
ASTM A416, GRADE 60, UNCOATED

WELDING ELECTRODES
E70X

REINFORCING BARS TO BE UNCOATED
ASTM A416, GRADE 60, LOW HYDROGEN

REINFORCING STEEL SHALL BE SUPPORTED AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE.

STANDARDS OF PRECISION AS OUTLINED IN AS 2159.10, "TOLERANCES TO PREVENT CONCRETE CORES AND CUTS WITH GROUND PENETRATING RADAR AND/OR INFRARED圖片 EXAMINATION. WHERE CONCRETE OR JOINTS BETWEEN CONCRETE POURS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, CENTERING IS REQUIRED.

ANCHORS INSTALLED IN EXISTING CONCRETE ARE TO BE SUPPORTED COLLECTIVELY AS SHOWN ON THE DRAWINGS.

ANCHORS SHALL ONLY BE INSTALLED IN EXISTING CONCRETE ACCORDING TO THE CONDITIONS AS SHOWN IN THE DRAWINGS. WHERE CONCRETE OR JOINTS BETWEEN CONCRETE POURS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, CENTERING IS REQUIRED.

ANCHORS INSTALLED IN EXISTING CONCRETE ARE TO BE SUPPORTED COLLECTIVELY AS SHOWN ON THE DRAWINGS.
EXISTING SUNSHADE PANELS THIS LEVEL. SEE DETAIL D5/S-501 FOR JOINT SEALANT REPLACEMENT REQUIRED AT THE ENDS OF ALL SUNSHADE PANELS.

REPAIR EXISTING WALL CRACK PER DETAIL C1/S-502. WALL CRACK MEASURE AS APPROXIMATELY 6', LENGTH LISTED IS MEASURED ON ONE SIDE OF CRACK ONLY ACROSS VERTICAL SURFACE.

REPAIR EXISTING WALL CRACK PER DETAIL C1/S-502. WALL CRACK MEASURE AS APPROXIMATELY 20', LENGTH LISTED IS MEASURED ON ONE SIDE OF CRACK ONLY ACROSS VERTICAL SURFACE.

REPAIR EXISTING WALL CRACK PER DETAIL C1/S-502. WALL CRACK MEASURE AS APPROXIMATELY 20' COMBINED, LENGTH LISTED IS MEASURED ON ONE SIDE OF CRACK ONLY ACROSS VERTICAL SURFACE.

REPAIR WALL IN CONCRETE PANELS. REPAIR WALL IN CONCRETE PANELS. REPAIR WALL IN CONCRETE PANELS.
PROJECT location: FINE ARTS PARKING GARAGE

Sheet Notes:

1. The Level 2 and Level 3 Stripping/Pavement Marking Plans shown on this drawing reflect a previous project in the Fine Arts Parking Structure. Contractor shall field verify plan layout of the striping shown here prior to striping/line marking removal. Contractor shall submit plan drawings showing adjustments to layout shown here, to match existing. Markup shall include dimensions, striping thickness, and striping color. Re-striping shall match existing markings with the exception of stall numbers, which may be excluded.

2. See Specification Section 32 17 23 for requirements for striping and marking.

3. Match existing directional arrows (size and shape).

4. Contractor to assume an additional 10% of pavement markings in excess of those shown on plan for bidding.

General Notes:

A. Reference Drawings:
   - G-100: General Notes, Special Inspections Schedule, Abbreviations, Structural Notes
   - S-100: Structural Notes
   - S-50X: Details
   - KEY PLAN: Project Location

B. Dimensions of existing conditions are field verified by the contractor.
**NOTES:**

1. REMOVE REMAINING FINAL EXIST CONCRETE BACKER ROD, TO BE SIZED TO PROVIDE 3/4" MIN CLR ALL AROUND REINF.
   - LIMIT WITH 15# MAX DEMO HAMMER AND CHIPPING ANGLE FOR PNEUMATIC HAMMER AND CHIPPING TOOLS.
   - TOOL CONC DEMO 1'-6" TO DEMO LIMIT WITH 15# MAX DIAMETER ABOVE EXPOSED SOUND CONCRETE AT DEMO LIMIT OR HAS BECOME DEGRADED. DAMAGED BARS TO BE REPLACED WITH NEW REINFORCING BAR SPLICED WHERE UNDAMAGED EXISTING REINFORCING STEEL IS EXPOSED AND PROJECTS OVER ARMS OR WALLS. ENGINEER TO BE NOTIFIED IF EXPOSED REINFORCING BARS ARE DAMAGED OR ARE LOOSENED, SEE DETAIL D3/S-501.

2. REMOVE EXIST BACKER RODS AT LOCATIONS WHERE EXIST BACKER ROD HAS FALLEN OUT OR REMAINED SECURELY IN PLACE.
   - INSTALL BACKER RODS W/ LARGER DIAMETER THAN THE SCREW LEGS OF THE TOOL TO AVOID DAMAGE AND REMOVE TOOL CONC REMEDIES.

3. SPECIFICATION SECTION 07 92 14 PRECAST SUNSHADE PANEL END SEALANT DETAIL SPECIFICATION.
   - SEALANT TO MATCH ARCHITECTURAL COATING COLOR.
   - SEALANT APPLICATION TO BE APPLIED ALONG TOP EDGE AND DOWN SIDES (1'-6") OF PRECAST PANEL EDGES.
   - INSTALL SEALANT ALONG TOP EDGE AND DOWN SIDES (1'-6") OF PRECAST PANEL EDGES.

4. MAXIMUM SIZE PNEUMATIC HAMMER REQUIRED TO REMOVED CONCRETE IS 60" MAX DIAMETER.
   - OM ORDER TO REMOVE CONCRETE, USE 3/8" Ø SS ALL-THREAD LONGITUDINAL BAR, ANCHORS SHALL BE AT LEAST 1.5" CLEAR FROM EXISTING REINFORCING STEEL. ALLOW FOR INSTALLATION OF ANCHORS BETWEEN NUT AND EXISTING CONCRETE. END W/ SS NUT INTO REPAIR/PATCH.
   - PROVIDE 3/8" COVER OVER REPAIR DET-B SEE DETAIL D3/S-501 FOR ADDITIONAL DEMO REQUIREMENTS AROUND BARS.
   - REMOVE EXISTING REINFORCING STEEL OR REPLACE WITH NEW REINFORCING BAR SPLICED WHERE UNDAMAGED EXISTING REINFORCING STEEL IS EXPOSED AND PROJECTS OVER REINFORCING BAR DETAIL.

5. REPAIR DET-B SEE DETAIL D3/S-501 FOR JOINT SEALANT REPLACEMENT REQUIRED AT EXIST PRECAST SUPPORT/BUTTRESS TO EXTENT OF EXISTING COATINGS.
   - PREPARATION SHALL BE REPAIRED PER A1/S-501.
   - AREA OF DELAMINATED CONCRETE FOUND DURING PREPARATION SHALL BE REPAIRED PER S-501.
   - CONCRETE SUPPORT BUTTRESSES TO EXTENT OF EXISTING COATINGS. APPLY HIGH PERFORMANCE ARCHITECTURAL COATINGS TO ADJACENT AREAS.
   - dönemde 2 1/2” A1 1/2” B 1 E Đ VARIES C 7 4 2 6 5 3 SHEETS OF SHEET SCALE: 1"=1'-0" SCALE: 1 1/2"=1'-0" FILE: A5 X 24999 - WSU Fine Arts Garage
data: 2209-2024_S-501.dwg
SEE SPECIFICATION SECTION 03 01 00 FOR CONCRETE REPAIR REQUIREMENTS

SURFACE PREP IN ACCORDANCE WITH SPECIFICATION SECTION 03 01 00 - PROVIDE CSP8 MIN PROFILE

REMOVE MIN OF 3/4" CONC BEHIND REINF

NOTES:

1. SEE SPECIFICATION SECTION 03 64 23 EPOXY INJECTED CONCRETE CRACK REPAIR.

REPAIR QUANTITY MEASUREMENT NOTED ON PLAN - LINEAR FOOT QUANTITY LISTED IS MEASURED ON ONE SIDE OF CRACK ONLY ACROSS VERTICAL SURFACE.

TEMPORARY SURFACE SEAL AS REQ'D TO CONTAIN EPOXY RESIN ADHESIVE, APPLY TO ALL EXPOSED CRACK FACES

WALL SECTION DIMENSIONS VARY, SEE EXIST STRUCTURE DRAWINGS

KNIFE SCORE AND/OR NEEDLE SCALE CRACK JOINT TO OPEN AND REMOVE ALL LOOSE OR UNSOUND CONC AND AGGREGATE AT CRACK EDGES, PROVIDE SOUND CONC SUBSTRATE AND THROUGH CRACK OPENING ACCESS FOR MAXIMUM EPOXY PENETRATION, FILL AND BOND SURFACE SEAL AND ENTRY PORTS AS REQ'D TO COMPLETELY FULL AND CONTINUOUSLY BOND ADHESIVE. ACCURATELY ALIGN AND TIGHTEN FILLING AND INJECTION PORTS. TIGHTEN INJECTION PORTS TO CONTAIN EPOXY RESIN, ALLOW EPOXY TO BE STORED AROUND PIPING AND ALLOW MAXIMUM PENETRATION THROUGH CRACK AND ADHESIVE. RESPECTIVE TO COMPLETELY FILL AND CONTAIN EPOXY ADHESIVE.

FOLLOWING ADHESIVE CURE, FULLY REMOVE SURFACE SEAL. FITTING AND INJECTION PORT Voids TO BE FILLED. EXPOSED CONC SURFACE ON ALL SIDES TO BE STONE GROUND FLUSH W/ ADJACENT SURFACES AND PAINTED TO MATCH SAME

ADHESIVE ANCHOR (3) #3x2'-0" W/ 3.5" EMBED ON ALL SIDES OF THICKENED SLAB. SCAN ALL AREAS BEFORE DRILLING AND PROVIDE A MINIMUM OF 2" COVER TO EXISTING BARS.  SCAN EXISTING SLAB PRIOR TO DRILLING AND SUBMIT NUMBER OF BARS TO BE CUT TO ENGINEER. CONFIRM BARS TO BE CUT BEFORE DRILLING.

EXIST WAFFLE SLAB JOISTS EW BELOW 2"Ø POUR/VENT HOLES THROUGH EXIST SLAB, SCAN EXISTING SLAB PRIOR TO DRILLING AND SUBMIT NUMBER OF BARS TO BE CUT TO ENGINEER.

EXISTING BRUSH 

"NEW" BRUSH CAN BE USED TO CLEAN EXISTING CONCRETE SURFACES PRIOR TO INSTALLATION OF EPOXY ANCHORS.

EPOXY ANCHOR PER AS REQ'

DO POUR/VENT HOLES DO NOT CUT NEW SLAB

ADHESIVE ANCHOR CEMENT OR APPROVED SEAL.

ENDCAPS ARE TO CONFORM TO EXISTING COLLEGE PROFIT EAST AT PIPING CONTACT INFORMATION AT PIPING CONTACT INFORMATION AT

BIDDER DESIGNED PIPING CONNECTIONS TO CONTINUE THROUGH TOP SURFACE. INSTALL ALL EXISTING VENTILATION CLEARANCES FOR VENTILATION

THICKENED SLAB PLAN AT ADDED FLOOR DRAINS

SLAB SOFFIT BUILDOUT AT ADDED FLOOR DRAINS
TRAFFIC DECK MEMBRANE COATING AT CRACKS AND CONSTRUCTION JOINTS

ROUTE AND SEAL ALL CONSTRUCTION JOINTS AND ALL CRACKS GREATER THAN 1/16" WIDE PER COATING MANUFACTURER RECOMMENDATIONS.

APPLY (1) COAT MASTERSEAL P280FS PRIMER.

NOTES:
1. BID TO ASSUME 4000 FEET OF ROUTE AND SEAL REQUIRED. BID TO PROVIDE UNIT PRICE FOR ROUTE AND SEAL ABOVE THAT QUANTITY.

SLAB PREPARATION AT HIGH PROFILE AREAS

CLEAN AND SURFACE PREP EXIST TOP COAT BY SHOTBLAST PER MANUFACTURER RECOMMENDATIONS.

EXIST TRAFFIC DECK COATING SYSTEM

757 PRIMER

SCRATCH COAT TO LEVEL/SMOOTH SURFACE PROFILE W/ 750 BASE COAT

BASE COAT - 25 MIL (750 BC)

TOP COAT - 15 MIL (760LC AL) W/ AGGREGATE AS REQUIRED BY MANUFACTURER

NOTES:
1. COLOR: CONCRETE GREY.
2. LEVEL REMAINING ROUGH AREAS, AFTER GRINDING, WITH LEVELING COAT AS SHOWN.

HIGH WEAR TRAFFIC DECK COATING SYSTEM

APPLY TOP COAT MATERIAL: TC270 PLAIN TEXTURE FINISH AT END OF CONTRACT PER MANUFACTURER RECOMMENDATIONS.

APPLY A THICKNESS OF 1/16" TC297FS WEAR COURSE.

APPLY WEAR COURSE MATERIAL: TC299FS MEDIUM TEXTURE FINISH AT END OF CONTRACT PER MANUFACTURER RECOMMENDATIONS.

APPLY A THICKNESS OF 1/16" AGGREGATE REQUIRED BY MANUFACTURER.

HIGH WEAR MMA POLYMER OVERLAY OVER EXIST MMA SYSTEM

CLEAN AND SURFACE PREP EXIST COATING BY SHOTBLAST PER MANUFACTURER RECOMMENDATIONS.

EXIST TRAFFIC DECK COATING SYSTEM

757 PRIMER

SCRATCH COAT TO LEVEL/SMOOTH SURFACE PROFILE W/ 750 BASE COAT

750 BASE COAT EXTENDED 50% BY VOLUME W/ 16/30 DRY SILICA SAND, LEVEL FLUSH W/ PROJECTING (HIGH) AGGREGATE IN CONC SLAB 1/2" MAX PROFILE

NOTES:
1. AT EXISTING ROUGH SUBSTRATE AREAS, DIAMOND GRIND UP TO 3/16" TO REMOVE ROUGHNESS. DO NOT REMOVE EXPOSED AGGREGATE WITH GRINDING.
2. LEVEL REMAINING ROUGH AREAS, AFTER GRINDING, WITH LEVELING COAT AS SHOWN.

MEDIUM WEAR TRAFFIC DECK COATING SYSTEM OVER EXIST TRAFFIC DECK COATING SYSTEM

APPLY TOP COAT MATERIAL: TC270 PLAIN TEXTURE FINISH AT END OF CONTRACT PER MANUFACTURER RECOMMENDATIONS.

APPLY A THICKNESS OF 1/16" TC297FS WEAR COURSE.

APPLY WEAR COURSE MATERIAL: TC299FS MEDIUM TEXTURE FINISH AT END OF CONTRACT PER MANUFACTURER RECOMMENDATIONS.

APPLY A THICKNESS OF 1/16" AGGREGATE REQUIRED BY MANUFACTURER.

OVERLAP EXISTING ADJACENT DECK COATINGS 9 INCH MINIMUM.

NOTES:
1. BID TO ASSUME 4000 FEET OF ROUTE AND SEAL REQUIRED. BID TO PROVIDE UNIT PRICE FOR ROUTE AND SEAL ABOVE THAT QUANTITY.

LOCATIONS:

S-503