

MSSU CAMPUS IMPROVEMENTS

MISSOURI SOUTHERN STATE UNIVERSITY

3950 NEWMAN ROAD
JOPLIN, MO 64801

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GENERAL NOTES:

- ALL WORK BY ALL TRADES SHALL CONFORM TO AND BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, STANDARDS OR RESTRICTIONS WHETHER INDICATED ON THE DRAWINGS OR NOT. THE MORE STRINGENT TO GOVERN DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND CODES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING.
- PARAGON ARCHITECTURE IS NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT SUPERVISION OF WORK IN PROGRESS. IT IS NEITHER EXPRESSED NOR IMPLIED THAT THE CONTRACTOR CAN CONSTRUCT THIS PROJECT WITHOUT THE ARCHITECT'S FIELD OBSERVATIONS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION, THE ARCHITECT DOES NOT DELEGATE THEIR AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF THESE PLANS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZE WITH ALL SITE CONDITIONS.
- THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS AND AVAILABLE INFORMATION PRIOR TO SUBMITTING A BID.
- EXISTING CONDITIONS BASED UPON INFORMATION PROVIDED BY OTHERS. NOTIFY ARCHITECT IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND MAKE CONNECTIONS THERETO PER LOCAL UTILITY COMPANY REQUIREMENTS.
- EXISTING UNDERGROUND INSTALLATIONS SUCH AS WATER LINES, GAS LINES, SEWER LINES, TELEPHONE LINES, POWER LINES, AND BURIED STRUCTURES IN THE VICINITY OF THE WORK TO BE PERFORMED HERE UNDER ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY ENGINEER / ARCHITECT IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND INSTALLATIONS, INCLUDING SERVICE CONNECTIONS, IN ADVANCE OF EXCAVATING OR TRENCHING, BY CONTACTING THE OWNERS THEREOF AND PROSPECTING. THE CONTRACTOR SHALL USE HIS OWN INFORMATION AND NOT RELY UPON ANY INFORMATION SHOWN ON THE DRAWINGS CONCERNING EXISTING UNDERGROUND INSTALLATIONS. ANY DELAY, ADDITIONAL WORK, OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO EXISTING UNDERGROUND INSTALLATIONS SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT OR DAMAGE.
- SEE INSTRUCTIONS TO BIDDERS INCLUDED IN PROJECT MANUAL FOR REQUIREMENTS TO ALL PERMITS, GOVERNMENTAL FEES, LICENSES AND INSPECTIONS.
- DRAWINGS ARE NOT SET UP SPECIFICALLY ACCORDING TO TRADE AND EACH CONTRACTOR AND SUB-CONTRACTOR OR TRADE IS REQUIRED TO REVIEW THE DRAWINGS AS A WHOLE AND PROVIDE ANY MISCELLANEOUS ITEMS, MATERIALS, WORK, ETC. REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL DOCUMENTS. THIS REQUIREMENT APPLIES TO ALL TRADES. STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE SET OF DRAWINGS AND SHOULD BE REVIEWED WITH THE SPECIFIC MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR OVERALL SCOPE OF WORK.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, CONSTRUCTION EQUIPMENT AND MACHINERY, TOOLS, UTILITIES, TRANSPORTATION FOR THE ABOVE MENTIONED AND ANY OTHER FACILITIES OR SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS WITH THE INFORMATION FURNISHED BY THE OWNER AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED.
- SHOULD A DISCREPANCY BETWEEN CONTRACT DOCUMENTS AND SPECIFICATIONS OCCUR, CONTRACTOR SHOULD IMMEDIATELY NOTIFY ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH WORK.
- IF A MATERIAL CALL-OUT IS ABSENT FROM ANY DRAWING, DETAIL, OR SPECIFICATION IN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. FAILURE TO REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING THE PROJECT WARRANTS THAT THE CONTRACTOR HAS THOROUGHLY REVIEWED THE DRAWINGS AND HIS/HER BID INCLUDES ADEQUATE FUNDS TO COMPLETE THE PROJECT AS REASONABLY INFERRED FROM THE DOCUMENTS.
- WHENEVER CONFLICTING INFORMATION OR DIRECTION OCCURS IN THE SPECIFICATIONS OR THE DRAWINGS, THE COST FOR THE MORE EXPENSIVE OPTION INCLUDING, BUT NOT LIMITED TO, DETAILS, INSTALLATIONS, PROCEDURES, CALL-OUTS, MATERIALS, SCHEDULES, OR SPECIFICATION SHALL BE USED IN THE CONTRACTOR'S BID PRICE FOR THE PROJECT. IF, THROUGH CLARIFICATION, THE LESSER COST OPTION APPLIES, THEN THE CONTRACTOR SHALL ISSUE A COST CREDIT TO THE OWNER FOR THE ACTUAL COST DIFFERENCE PLUS CONTRACTOR MARKUP INCLUDING OVERHEAD AND PROFIT.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE. IF A CONDITION EXISTS IN THE DRAWINGS WHERE THE APPLICABLE CONSTRUCTION DETAIL IS UNCLEAR, THE CONTRACTOR SHALL REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT IN WRITING PRIOR TO SUBMITTING THE BID FOR CONSTRUCTION OF THE PROJECT.
- APPLY AND/OR INSTALL ALL PRODUCTS AND MATERIALS ACCORDING TO SPECIFICATIONS, MANUFACTURER'S PUBLISHED INSTRUCTIONS OR, IF NO INSTRUCTIONS EXIST, INSTALL PER STANDARD INDUSTRY PRACTICE.
- GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE UNLESS OTHERWISE NOTED.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREBY.
- GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (AIA DOCUMENT A201) SHALL BE BINDING AS PART OF THESE CONSTRUCTION DOCUMENTS.
- THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL BE DEEMED THE AUTHORS AND OWNERS OF THEIR RESPECTIVE INSTRUMENTS OF SERVICE, INCLUDING THE DRAWINGS AND SPECIFICATIONS, AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. SUBMISSION OR DISTRIBUTION OF INSTRUMENTS OF SERVICE TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR SIMILAR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RESERVED RIGHTS OF THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONAL DATA SHALL BE OBTAINED FROM WRITTEN INFORMATION ONLY. VERIFY ALL DIMENSIONS BEFORE PROCEEDING. ANY DIMENSIONAL DEVIATION FROM THAT SHOWN ON THE DRAWINGS WHICH MAY AFFECT INTENT OF DESIGN OR PROPER INCORPORATION OF ELEMENTS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING. NOTIFY ARCHITECT IMMEDIATELY OF ANY VARIATIONS ON THE PLANS AND/OR SPECIFICATIONS.



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PARAGON ARCHITECTURE

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PH: 417.885.0002
www.paragonarchitecture.com

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

REVISION SCHEDULE

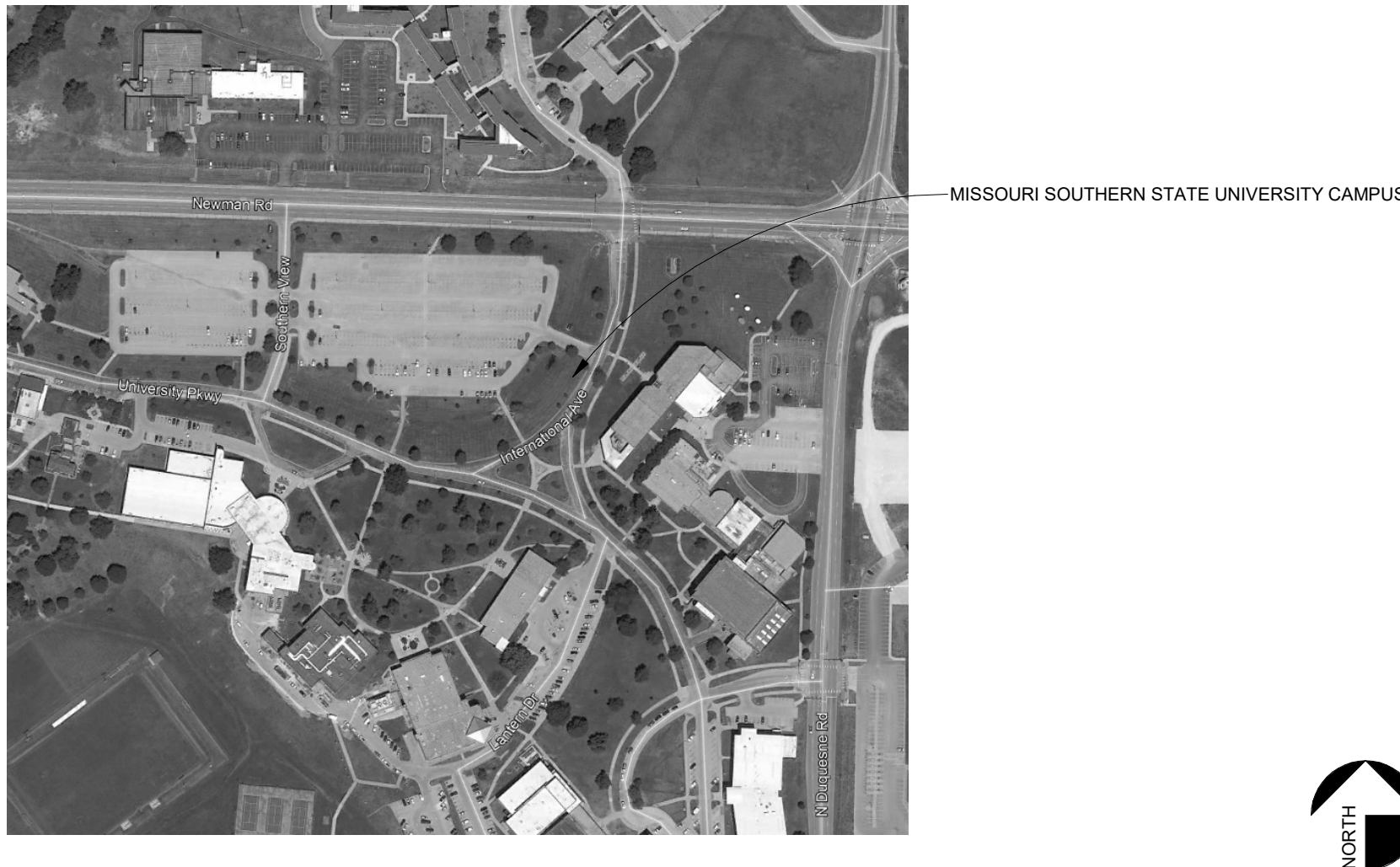
G0-0 MSSU CAMPUS IMPROVEMENTS COVER SHEET

PROJECT NUMBER: 21-623

DATE: 06/25/21

DRAWN BY: JS
CHECKED BY: JS/JS

SHEET NUMBER: PROJECT DESCRIPTION:



MISSOURI SOUTHERN STATE UNIVERSITY CAMPUS

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PH: 417-885-0002

CIVIL ENGINEER:



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PH: 417-782-7399

LANDSCAPE ARCHITECT:



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MEP ENGINEER:



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REVISION SCHEDULE

C1 MSSU CAMPUS IMPROVEMENTS
ROADWAY DEMOLITION PLAN
PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801
21-623
DATE: 06/25/21
PROJECT ARCHITECT: JS
DRAWN BY: LDE
CHECKED BY: JCO

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EMPLOYEE OWNED
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3950 NEWMAN ROAD • JOPLIN, MISSOURI 64801 • PHONE (417) 926-7390
ANDERSON ENGINEERING, LC #2 • JOSHUA OATHOUT, PE-2021000279

JOB NO. 21JO10020
DRAWING NO. JOP-100-6043
SHEET NUMBER PROJECT DESCRIPTION

EROSION CONTROL NOTES:

- CONTRACTOR TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT OFF-SITE FACILITIES. CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE.
- PERMANENTLY STABILIZE ALL SURFACE AREA WITHIN AND ADJACENT TO THIS SITE THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREA IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
- CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2" INCH OR GREATER. DAMAGED MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN DAYS. REPEATED FAILURE OF A CONTROL MEASURE REQUIRES INSTALLATION OF A MORE SUITABLE DEVICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
- INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR STATE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO BEGINNING ANY WORK ON PROJECT SITE.
- CARE SHALL BE TAKEN TO ELIMINATE TO THE MAXIMUM EXTENT POSSIBLE THE ENCRUSTMENT OF SEDIMENT INTO ALL STORM DRAIN APPURTENANCES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPERVIOUS MATERIAL (ROAD/PARKING AREA SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY AFTER EACH STORM TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. CARE NEEDS TO BE TAKEN TO AVOID UNDERMINING THE FENCE WHEN REMOVING SEDIMENT. SEDIMENT IS TO BE REAPPLIED TO THE SITE AND STABILIZED.
- ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) AND SELECT PIPE OUTFALLS SHALL UTILIZE CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MATS 450 OR APPROVED EQUAL. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.
- CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OR COUNTY STANDARDS.
- APPLICABLE PERMITS MUST BE OBTAINED FROM THE CITY, STATE AND COUNTY PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND CONSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.
- THE CONTRACTOR AND/OR BUILDER WILL KEEP THE PROJECT SITE NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. ALL CITY STREETS ADJACENT TO THE DEVELOPMENT SHALL BE KEPT CLEAR OF MUD, ROCK, DIRT, DEBRIS, PAPER AND WASTE MATERIAL AT ALL TIMES. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED.
- IF ANY WORK OR ACCESS TO ANY ADJOINING PROPERTY IS DONE, IT IS THE FULL RESPONSIBILITY FOR THE APPLICANT/OWNER TO OBTAIN PROPER RELEASES FROM ADJOINING PROPERTY OWNERS AND ASSUME ALL LIABILITY FOR ACTION TAKEN DURING ALL CONSTRUCTION.
- ALL DISTURBED AREAS ARE TO BE RE-SEEDING IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE CITY OR COUNTY STANDARDS.
- PROVIDE TEMPORARY EROSION CONTROL TO CONTAIN ALL SOILS ON SITE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS (PIPES) SHALL BE FUNCTIONING PRIOR TO STARTING ANY OTHER CONSTRUCTION ACTIVITIES. I.E., ONLY CONSTRUCTION ACTIVITIES REQUIRED TO INSTALL THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS(PIPES) ARE ALLOWED UNTIL THESE ITEMS ARE INSTALLED AND APPROVED.
- CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO THE APPROVED TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR.
- CONTRACTOR TO PROTECT ANY STORM INLETS THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION. FROM SEDIMENT.
- CONTRACTOR TO TAKE CARE NOT TO DAMAGE ANY EXISTING STREET, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS.
- THE CONTRACTOR SHALL HAVE A SET OF PLANS FILED WITH THE CITY OR COUNTY ON SITE. THE CONTRACTOR SHALL HAVE ON THE PROJECT AT ALL TIMES, AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND THOROUGHLY UNDERSTANDING THE PLANS AND SPECIFICATIONS AND THOROUGHLY EXPERIENCE IN THE TYPE WORK BEING PERFORMED WHO SHALL RECEIVE INSTRUCTIONS FROM THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER/INSPECTOR OF ANY GEOLOGICAL ANOMALIES (MINING ACTIVITY, SINKHOLES, ETC.) DISCOVERED DURING CONSTRUCTION.
- TEMPORARY CONSTRUCTION ENTRANCE TO HAVE SHOT ROCK FOR ITS SURFACE.
- THE INSTALLATION OF SILT FENCE FOR CONSTRUCTION IS TO BE INSTALLED BY THE CONTRACTOR AND IN PLACE BEFORE BEGINNING SITE CONSTRUCTION. SIMILAR DEVICES MAY BE USED TO MEET CONTRACTOR TO MEET THE REQUIREMENTS OF THE ENGINEER. DEVICES TO BE IN PLACE AS SHOWN ON THE PLANS. ADJUSTMENT OF THE LOCATION BY THE CONTRACTOR MAY BE DONE TO MEET EXISTING FIELD CONDITIONS. ALL CONTROLS ARE TO BE LACED WITHIN OWNER'S PROPERTY. ACCUMULATED SEDIMENT IN BASINS WILL REQUIRE REMOVAL DURING CONSTRUCTION OR AFTER EACH RAIN EVENT AND AT THE END OF CONSTRUCTION. EACH BASIN SHALL BE CHECKED AFTER EACH RAIN EVENT. CONTRACTOR TO MINIMIZE THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES AT ANY ONE TIME AND TO PROMPTLY RE-VEGETATE (OR MECHANICALLY STABILIZE) ARE DISTURBED BY CONSTRUCTION ACTIVITY.
- SILT FENCE SHALL BE PLACED AROUND ALL SOIL SPOIL PILES TO PREVENT EROSION.

DEMOLITION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL ITEMS THAT IMPEDE THE PROPER PLACEMENT OF ANY ITEMS PROPOSED BY THIS PLAN SET.
- THE REMOVAL WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: OBTAINING ALL DEMOLITION PERMITS REQUIRED, REMOVAL OF THE EXISTING TREES, SEALING OF THE EXISTING WATER WELLS, REMOVAL OF ANY SEPTIC SYSTEM OR DRY WELLS (IF ANY) AND OTHER ITEMS TO COMPLETE THE REMOVALS.
- THE CONTRACTOR SHALL REMOVE ALL MATERIALS DEEMED UNSUITABLE BY THE ENGINEER WITHIN EIGHT INCHES OF THE PROPOSED IMPROVEMENTS TO THE DEPTH THAT SUCH UNSUITABLE MATERIALS EXIST.
- THE CONTRACTOR SHALL COORDINATE DISCONNECTION, REMOVAL AND RELOCATION OF THE EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES THAT ARE LEVIED BY UTILITY COMPANIES IN CONJUNCTION WITH DEMOLITION AND REMOVAL OF EXISTING UTILITIES.
- DISPOSAL OF ALL MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL MATERIALS FROM THE SITE ALONG WITH ALL ASSOCIATED PERMITS AND REGULATORY REQUIREMENTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH THE APPROPRIATE SPECIFICATIONS FOR WELL ABANDONMENT, MATERIALS, PROCEDURES AND ACCESS TO EQUIPMENT REQUIRED TO PROPERLY SEAL WELLS IF ANY. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN, COMPLETE, AND FILE THE APPROPRIATE FORMS THROUGH THE LOCAL JURISDICTION AND/OR THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES TO ADJACENT LOTS. INTERRUPTION OF SERVICES TO ADJACENT LOTS SHALL NOT OCCUR WITHOUT PROPER APPROVAL. 48 HOURS NOTICE SHALL BE GIVEN TO THE PROPERTY OWNERS PRIOR TO THE CONNECTION OF THE NEW SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH THE CONNECTION OF TEMPORARY UTILITY SERVICES, IF REQUIRED, TO FACILITATE CONSTRUCTION STAGING.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. TO BE CLEAR AND FREE OF ANY CONSTRUCTION ACTIVITY AND/OR EXCAVATED AND HAULED MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM ADJACENT SITES.
- ALL TREES AND BRUSH TO BE COMPLETELY REMOVED INCLUDING STUMPS IN ACCORDANCE WITH THE CITY OF JOPLIN, MO DISPOSAL REGULATIONS.

STAGES OF CONSTRUCTION:

- CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT OWNER WITH ANY CONFLICTS.
- INSTALLATION OF CONSTRUCTION ENTRANCE.
- INSTALLATION OF EROSION CONTROL MEASURES.
- DEMOLITION OF EXISTING SITE IMPROVEMENTS.
- ROUGH GRADING.
- CONSTRUCTION OF NEW SITE IMPROVEMENTS.
- FINAL GRADING.
- PLACEMENT OF FINAL LANDSCAPING ITEMS AND SOD.
- REMOVAL OF EROSION CONTROL MEASURES.

SPECIAL NOTE:
CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. THIS PLAN DOES NOT REFLECT ANY INDICATIONS OF UTILITIES AND/OR EXISTING INFORMATION AVAILABLE FROM UTILITY COMPANIES. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CONTRACTOR RESPONSIBLE FOR ONE-CALL TICKET AND CHECKING FOR POSSIBLE UTILITIES.

CONTRACTOR SHALL PLACE SILT SOCKS AND FURTHER EROSION CONTROL MEASURES AS NECESSARY TO ENSURE NO SEDIMENT TRACKING

CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS NEEDED TO PREVENT SEDIMENT TRACKING. COORDINATE LOCATION WITH OWNER.

INTERNATIONAL AVE CONSTRUCTION NOTE:
CONTRACTOR SHALL COORDINATE TRUCKING TIMES OF INTERNATIONAL AVE WITH MSSU PRIOR TO BEGINNING CONSTRUCTION.

SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

- | | | | |
|-----|-----|-----|---------------------------|
| --- | 980 | --- | EXISTING GRADE LINES |
| --- | 980 | --- | PROPOSED NEW GRADE LINES |
| --- | | --- | PROPOSED STORM PIPE |
| --- | | --- | LIMITS OF DISTURBANCE |
| ○ | | ○ | EROSION CONTROL SILT SOCK |

- | | |
|---------------------|--------------|
| NEW SPOT ELEVATIONS | ABBREVIATION |
| LIST | |
| SIDEWALK | SW |
| TOP OF PAVEMENT | PVT |
| NEW GRADE | GD |
| EXISTING GRADE | EG |
| EXISTING PAVEMENT | EPVT |
| TOP OF STEP | TST |
| BOTTOM OF STEP | BST |

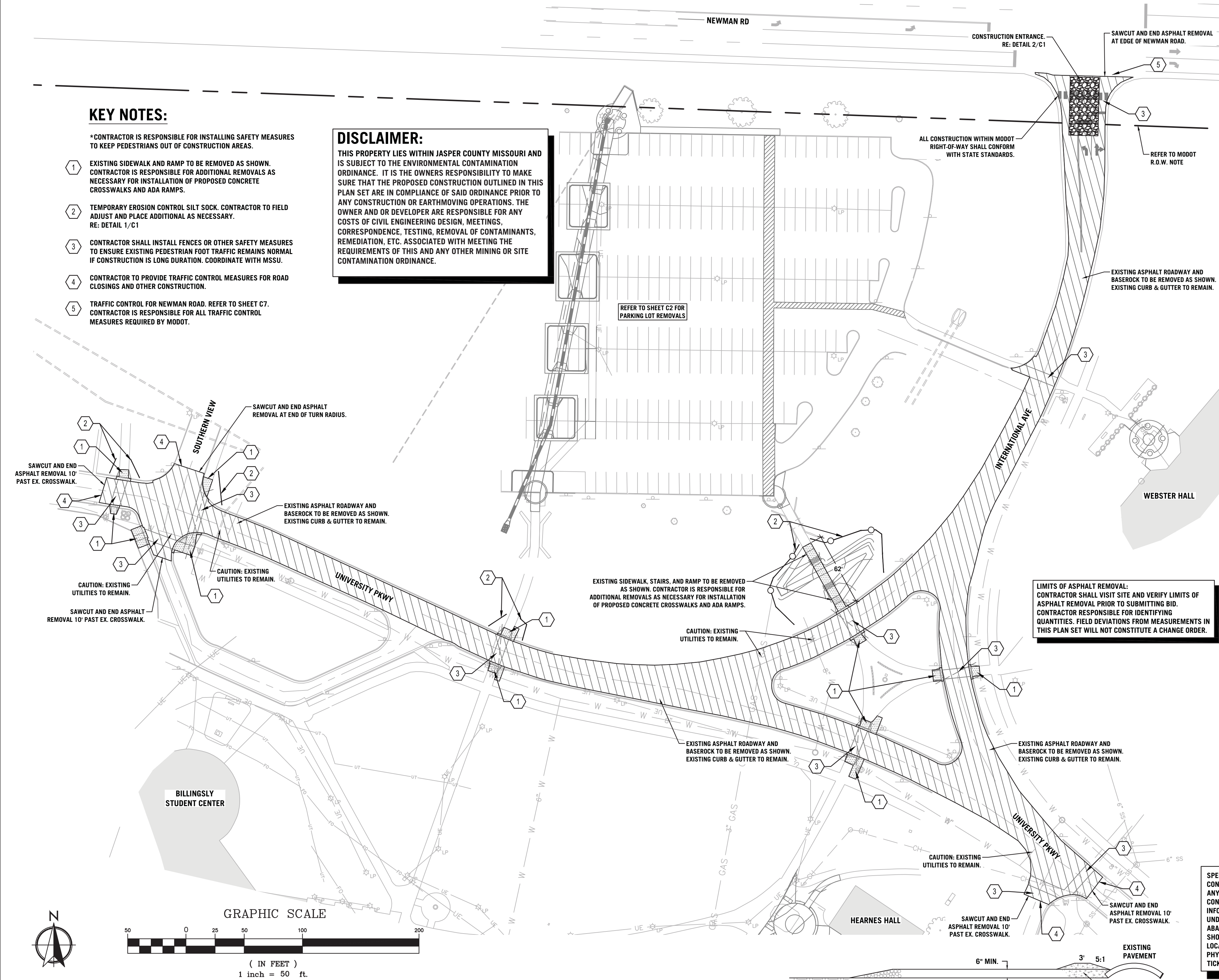
KEY NOTES:

*CONTRACTOR IS RESPONSIBLE FOR INSTALLING SAFETY MEASURES TO KEEP PEDESTRIANS OUT OF CONSTRUCTION AREAS.

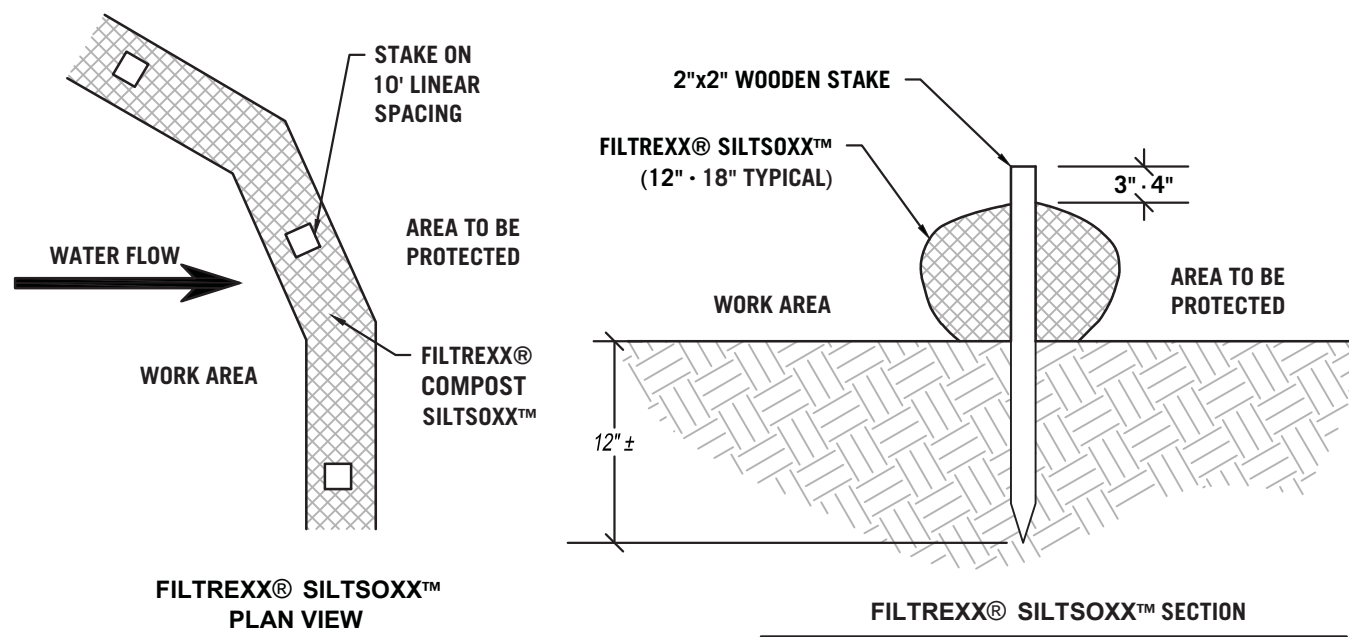
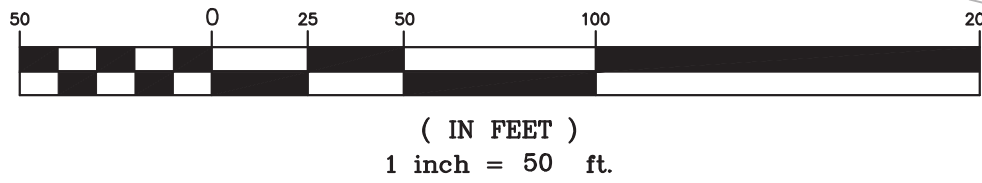
- EXISTING SIDEWALK AND RAMP TO BE REMOVED AS SHOWN. CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL REMOVALS AS NECESSARY FOR INSTALLATION OF PROPOSED CONCRETE CROSSWALKS AND ADA RAMPS.
- TEMPORARY EROSION CONTROL SILT SOCK. CONTRACTOR TO FIELD ADJUST AND PLACE ADDITIONAL AS NECESSARY. RE: DETAIL 1/C1
- CONTRACTOR SHALL INSTALL FENCES OR OTHER SAFETY MEASURES TO ENSURE EXISTING PEDESTRIAN FOOT TRAFFIC REMAINS NORMAL IF CONSTRUCTION IS LONG DURATION. COORDINATE WITH MSSU.
- CONTRACTOR TO PROVIDE TRAFFIC CONTROL MEASURES FOR ROAD CLOSINGS AND OTHER CONSTRUCTION.
- TRAFFIC CONTROL FOR NEWMAN ROAD. REFER TO SHEET C7. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES REQUIRED BY MODOT.

DISCLAIMER:

THIS PROPERTY LIES WITHIN JASPER COUNTY MISSOURI AND IS SUBJECT TO THE ENVIRONMENTAL CONTAMINATION ORDINANCE. IT IS THE OWNERS RESPONSIBILITY TO MAKE SURE THAT THE PROPOSED CONSTRUCTION OUTLINED IN THIS PLAN SET ARE IN COMPLIANCE OF SAID ORDINANCE PRIOR TO ANY CONSTRUCTION OR EARTHMOVING OPERATIONS. THE OWNER AND OR DEVELOPER ARE RESPONSIBLE FOR ANY COSTS OF CIVIL ENGINEERING DESIGN, MEETINGS, CORRESPONDENCE, TESTING, REMOVAL OF CONTAMINANTS, REMEDIATION, ETC. ASSOCIATED WITH MEETING THE REQUIREMENTS OF THIS AND ANY OTHER MINING OR SITE CONTAMINATION ORDINANCE.



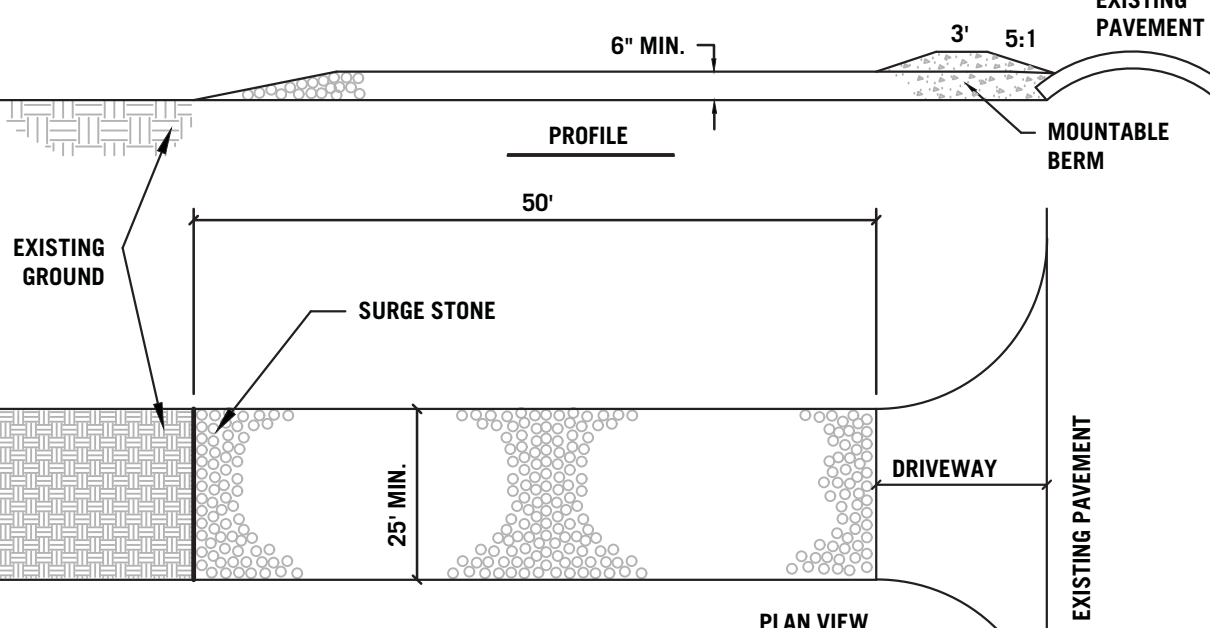
GRAPHIC SCALE



- NOTE:**
- ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS OR APPROVED EQUAL.
 - SILT SOCK™ COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 - SILT SOCK™ DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE MANUFACTURER SPECIFICATIONS.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

1 **FILTREXX® SILT SOCK™**

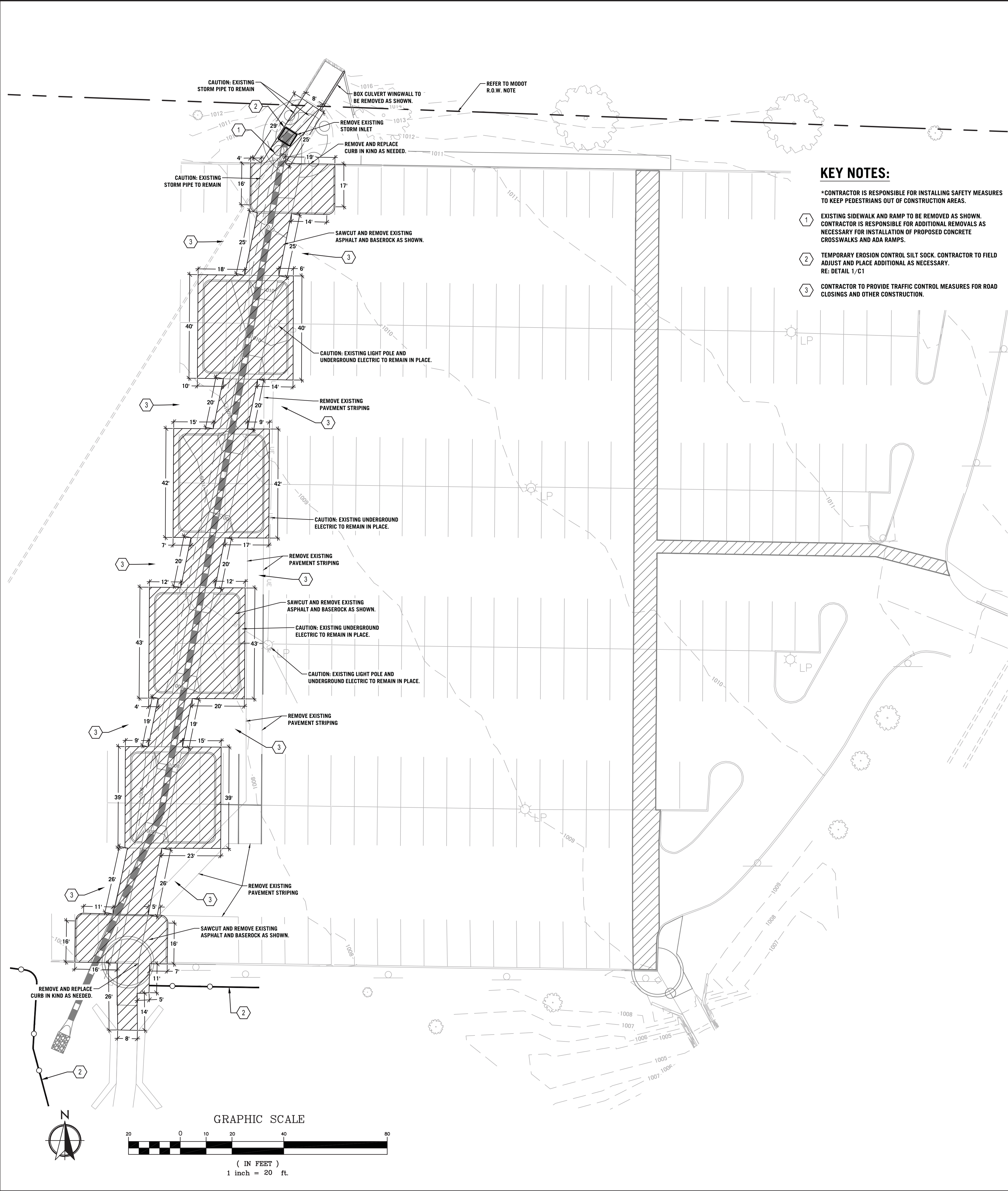
SCALE: NOT TO SCALE



- STONE SIZE - USE 2" STONE, OR EQUAL
- MIN. LENGTH - 50 FEET.
- MIN. THICKNESS - SIX(6) INCHES.
- WIDTH - FIFTEEN (15) FOOT MINIMUM
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

2 **CONSTRUCTION ENTRANCE**

SCALE: NOT TO SCALE



KEY NOTES:

*CONTRACTOR IS RESPONSIBLE FOR INSTALLING SAFETY MEASURES TO KEEP PEDESTRIANS OUT OF CONSTRUCTION AREAS.

- EXISTING SIDEWALK AND RAMP TO BE REMOVED AS SHOWN. CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL REMOVALS AS NECESSARY FOR INSTALLATION OF PROPOSED CONCRETE CROSSWALKS AND ADA RAMPS.
- TEMPORARY EROSION CONTROL SILT SOCK. CONTRACTOR TO FIELD ADJUST AND PLACE ADDITIONAL AS NECESSARY. RE: DETAIL 1/C1
- CONTRACTOR TO PROVIDE TRAFFIC CONTROL MEASURES FOR ROAD CLOSINGS AND OTHER CONSTRUCTION.

EROSION CONTROL NOTES:

- CONTRACTOR TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT OFF-SITE FACILITIES.
- CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE.
- PERMANENTLY STABILIZE ALL SURFACE AREA WITHIN AND ADJACENT TO THIS SITE THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%.
- STABILIZATION OF ALL DISTURBED AREA IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
- CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN DAYS. REPEATED FAILURE OF A CONTROL MEASURE REQUIRES INSTALLATION OF A MORE SUITABLE DEVICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
- INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR STATE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO BEGINNING ANY WORK ON PROJECT SITE.
- CARE SHALL BE TAKEN TO ELIMINATE TO THE MAXIMUM EXTENT POSSIBLE THE ENCROACHMENT OF SEDIMENT INTO ALL STORM DRAIN APPURTENANCES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPROVED LANDSCAPE HAS BEEN ESTABLISHED.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY AFTER EACH STORM TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. CARE NEEDS TO BE TAKEN TO AVOID UNDERMINING THE FENCE WHEN REMOVING SEDIMENT. SEDIMENT IS TO BE REAPPLIED TO THE SITE AND STABILIZED.
- ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) AND SELECT PIPE OUTFALLS SHALL UTILIZE COTECCH CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MATS 450 OR APPROVED EQUAL. MATS SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.
- CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OR COUNTY STANDARDS.
- APPLICABLE PERMITS MUST BE OBTAINED FROM THE CITY, STATE AND COUNTY PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND CONSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.
- THE CONTRACTOR AND/OR BUILDER WILL KEEP THE PROJECT SITE NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. ALL CITY STREETS ADJACENT TO THE DEVELOPMENT SHALL BE KEPT CLEAR OF MUD, ROCK, DIRT, DEBRIS, PAPER AND WASTE MATERIAL AT ALL TIMES. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED.
- IF ANY WORK OR ACCESS TO ANY ADJOINING PROPERTY IS DONE, IT IS THE FULL RESPONSIBILITY FOR THE APPLICANT/OWNER TO OBTAIN PROPER RELEASES FROM ADJOINING PROPERTY OWNERS AND ASSUME ALL LIABILITY FOR ACTION TAKEN DURING ALL CONSTRUCTION.
- ALL DISTURBED AREAS ARE TO BE RESEED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE CITY OR COUNTY STANDARDS.
- PROVIDE TEMPORARY EROSION CONTROL TO CONTAIN ALL SOILS ON SITE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS (PIPES) SHALL BE FUNCTIONING PRIOR TO STARTING ANY OTHER CONSTRUCTION ACTIVITIES. I.E., ONLY CONSTRUCTION ACTIVITIES REQUIRED TO INSTALL THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS (PIPES) ARE ALLOWED UNTIL THESE ITEMS ARE INSTALLED AND APPROVED.
- CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO THE APPROVED TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR.
- CONTRACTOR TO PROTECT ANY STORM INLETS THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION FROM SEDIMENT.
- CONTRACTOR TO TAKE CARE NOT TO DAMAGE ANY EXISTING STREET, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS.
- THE CONTRACTOR SHALL HAVE A SET OF PLANS FILED WITH THE CITY OR COUNTY ON SITE. THE CONTRACTOR SHALL HAVE ON THE PROJECT AT ALL TIMES, AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND THOROUGHLY UNDERSTAND THE PLANS AND SPECIFICATIONS AND THOROUGHLY EXPERIENCE IN THE TYPE WORK BEING PERFORMED WHO SHALL RECEIVE INSTRUCTIONS FROM THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER/INSPECTOR OF ANY GEOLOGICAL ANOMALIES (MINING ACTIVITY, SINKHOLES, ETC.) DISCOVERED DURING CONSTRUCTION.
- TEMPORARY CONSTRUCTION ENTRANCE TO HAVE SHOT ROCK FOR ITS SURFACE.
- THE INSTALLATION OF SILT FENCE FOR CONSTRUCTION IS TO BE INSTALLED BY THE CONTRACTOR AND IN PLACE BEFORE BEGINNING SITE CONSTRUCTION. SIMILAR DEVICES MAY BE USED BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF THE ENGINEER. DEVICES TO BE IN PLACE AS SHOWN ON THE PLANS. ADJUSTMENT OF THE LOCATION BY THE CONTRACTOR MAY BE DONE TO MEET EXISTING FIELD CONDITIONS. ALL CONTROLS ARE TO BE LACED WITHIN OWNER'S PROPERTY. ACCUMULATED SEDIMENT IN BASINS WILL REQUIRE REMOVAL DURING CONSTRUCTION OR AFTER EACH RAIN EVENT AND AT THE END OF CONSTRUCTION. EACH BASIN SHALL BE CHECKED AFTER EACH RAIN EVENT. CONTRACTOR TO MINIMIZE THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES AT ANY ONE TIME AND TO PROMPTLY REVEGETATE (OR MECHANICALLY STABILIZE) ARE DISTURBED BY CONSTRUCTION ACTIVITY.
- SILT FENCE SHALL BE PLACED AROUND ALL SOIL SPOIL PILES TO PREVENT EROSION.

DEMOLITION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL ITEMS THAT IMPEDE THE PROPER PLACEMENT OF ANY ITEMS PROPOSED BY THIS PLAN SET.
- THE REMOVAL WORK SHALL INCLUDE BUT NOT BE LIMITED TO: OBTAINING ALL DEMOLITION PERMITS REQUIRED; REMOVAL OF THE EXISTING TREES; SEALING OF THE EXISTING WATER WELLS; REMOVAL OF ANY SEPTIC SYSTEM OR DRY WELLS (IF ANY) AND OTHER ITEMS TO COMPLETE THE REMOVALS.
- THE CONTRACTOR SHALL REMOVE ALL MATERIALS DEEMED UNSUITABLE BY THE ENGINEER WITHIN EIGHT INCHES OF THE PROPOSED IMPROVEMENTS TO THE DEPTH THAT SUCH UNSUITABLE MATERIALS EXIST.
- THE CONTRACTOR SHALL COORDINATE DISCONNECTION, REMOVAL, AND RELOCATION OF THE EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES THAT ARE LEVIED BY UTILITY COMPANIES IN CONJUNCTION WITH DEMOLITION AND REMOVAL OF EXISTING UTILITIES.
- DISPOSAL OF ALL MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL MATERIALS FROM THE SITE ALONG WITH ALL ASSOCIATED PERMITS AND REGULATORY REQUIREMENTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH THE APPROPRIATE SPECIFICATIONS FOR WELL ABANDONMENT, MATERIALS, PROCEDURES AND ACCESS TO EQUIPMENT REQUIRED TO PROPERLY SEAL WELLS (IF ANY). THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE APPROPRIATE FORMS THROUGH THE LOCAL JURISDICTION AND/OR THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES TO ADJACENT LOTS. INTERRUPTION OF SERVICES TO ADJACENT LOTS SHALL NOT OCCUR WITHOUT PROPER APPROVAL. 48 HOURS NOTICE SHALL BE GIVEN TO THE PROPERTY OWNERS PRIOR TO THE CONNECTION OF THE NEW SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH THE CONNECTION OF TEMPORARY UTILITY SERVICES, IF REQUIRED, TO FACILITATE CONSTRUCTION STAGING.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. TO BE CLEAR AND FREE OF ANY CONSTRUCTION ACTIVITY AND/OR EXCAVATED AND HAULED MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM ADJACENT SITES.
- ALL TREES AND BRUSH TO BE COMPLETELY REMOVED INCLUDING STUMPS IN ACCORDANCE WITH THE CITY OF JOPLIN, MO DISPOSAL REGULATIONS.

STAGES OF CONSTRUCTION:

- CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT OWNER WITH ANY CONFLICTS.
- INSTALLATION OF CONSTRUCTION ENTRANCE.
- INSTALLATION OF EROSION CONTROL MEASURES.
- DEMOLITION OF EXISTING SITE IMPROVEMENTS.
- INSTALLATION OF ALL STORM WATER DRAINAGE IMPROVEMENTS.
- ROUGH GRADING.
- CONSTRUCTION OF NEW SITE IMPROVEMENTS.
- FINAL GRADING.
- PLACEMENT OF FINAL LANDSCAPING ITEMS AND SOD.
- REMOVAL OF EROSION CONTROL MEASURES.

SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. THIS PLAN DOES NOT REFLECT ANY INDICATIONS OF UTILITIES AND/OR EXISTING INFORMATION AVAILABLE FROM UTILITY COMPANIES. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CONTRACTOR RESPONSIBLE FOR ONE-CALL TICKET AND CHECKING FOR POSSIBLE UTILITIES.

DISCLAIMER:

THIS PROPERTY LIES WITHIN JASPER COUNTY MISSOURI AND IS SUBJECT TO THE ENVIRONMENTAL CONTAMINATION ORDINANCE. IT IS THE OWNERS RESPONSIBILITY TO MAKE SURE THAT THE PROPOSED CONSTRUCTION OUTLINED IN THIS PLAN SET ARE IN COMPLIANCE OF SAID ORDINANCE PRIOR TO ANY CONSTRUCTION OR EARTHMOVING OPERATIONS. THE OWNER AND OR DEVELOPER ARE RESPONSIBLE FOR ANY COSTS OF CIVIL ENGINEERING DESIGN, MEETINGS, CORRESPONDENCE, TESTING, REMOVAL OF CONTAMINANTS, REMEDIATION, ETC. ASSOCIATED WITH MEETING THE REQUIREMENTS OF THIS AND ANY OTHER MINING OR SITE CONTAMINATION ORDINANCE.

LIMITS OF ASPHALT REMOVAL:

CONTRACTOR SHALL VISIT SITE AND VERIFY LIMITS OF ASPHALT REMOVAL PRIOR TO SUBMITTING BID. CONTRACTOR RESPONSIBLE FOR IDENTIFYING QUANTITIES. FIELD DEVIATIONS FROM MEASUREMENTS IN THIS PLAN SET WILL NOT CONSTITUTE A CHANGE ORDER.

UTILITY NOTES:

- THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS/INSTALLATIONS AND AVAILABLE INFORMATION PRIOR TO SUBMITTING A BID.
- EXISTING INSTALLATIONS (SUCH AS WATER MAINS/LINES, GAS MAINS/LINES, SEWER MAINS/LINES, TELEPHONE LINES, POWER LINES, AND UTILITY STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE) ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING INSTALLATIONS.
- ANY DELAY, ADDITIONAL WORK, FEES OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO OR MODIFICATION OF EXISTING INSTALLATIONS BY THE CONTRACTOR OR AFFECTED UTILITY COMPANY SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT OR DAMAGES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING THEIR BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS/INSTALLATIONS.
- CONTRACTOR SHALL COORDINATE ACTUAL LINEAR FEET OF LINES REQUIRED WITH APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS, BACKFLOW PREVENTERS, VALVES, PIPING, THRUST BLOCKING, MECHANICAL JOINTS, ETC. REQUIRED BY UTILITY COMPANIES FOR WATER, GAS, SEWER, ELECTRICAL, TELECOM, FIBER, ETC.

LAND DISTURBANCE PERMIT NOTE:

CONTRACTOR IS RESPONSIBLE FOR OBTAINING MISSOURI DNR AND CITY OF JOPLIN LAND DISTURBANCE PERMITS PRIOR TO BEGINNING CONSTRUCTION.

MODOT R.O.W. NOTE:

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED MODOT PERMITS PRIOR TO BEGINNING WORK WITHIN MODOT RIGHT-OF-WAY.

CONTRACTOR SHALL PLACE SILT SOCKS AND FURTHER EROSION CONTROL MEASURES AS NECESSARY TO ENSURE NO SEDIMENT TRACKING

CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS NEEDED TO PREVENT SEDIMENT TRACKING. COORDINATE LOCATION WITH OWNER.

SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

- | | | | |
|-----|-----|-----|---------------------------|
| --- | 980 | --- | EXISTING GRADE LINES |
| --- | 980 | --- | PROPOSED NEW GRADE LINES |
| --- | | --- | PROPOSED STORM PIPE |
| --- | | --- | LIMITS OF DISTURBANCE |
| --- | | --- | EROSION CONTROL SILT SOCK |

- | | |
|---------------------|--------------|
| NEW SPOT ELEVATIONS | ABBREVIATION |
| LIST | SW |
| SIDEWALK | PVT |
| TOP OF PAVEMENT | GD |
| NEW GRADE | EG |
| EXISTING GRADE | EPVT |
| EXISTING PAVEMENT | TST |
| TOP OF STEP | BST |
| BOTTOM OF STEP | |

ANDERSON ENGINEERING
EMPLOYEE OWNED
ENGINEERS, SURVEYORS, LABORATORY, DRILLING
3950 NEWMAN ROAD
JOPLIN, MISSOURI 64801 • PHONE (417) 924-7390
ANDERSON ENGINEERING# LC-82 • JOSHUA C OATHOUT# PE-2021000279

JOB NO. 21JO10020
DRAWING NO. JOP-100-6043
SHEET NUMBER PROJECT DESCRIPTION

C2 MSSU CAMPUS IMPROVEMENTS
PARKING LOT DEMOLITION PLAN

PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801

21-623

DATE: 06/25/21
DRAWN BY: JIS
CHECKED BY: JCO

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-201600415

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KEY NOTES:

- 1 ASPHALT PAVEMENT
RE: DETAIL 1/C8
- 2 STAMPED AND COLORED CONCRETE PAVEMENT
RE: DETAIL 2/C8
- 3 CONCRETE SIDEWALK
RE: DETAIL 3/C8
- 4 ADA RAMP 1
RE: DETAIL 4/C8
- 5 ADA RAMP 2
RE: DETAIL 5/C8
- 6 ADA RAMP 3
RE: DETAIL 6/C8
- 7 INSTALL (2) 2" AND (2) 1" SCHEDULE 40 PVC SLEEVES UNDERNEATH PROPOSED CROSSWALK AT 24" DEPTH MINIMUM. FIELD ADJUST AS NECESSARY TO AVOID CONFLICTS WITH EXISTING UTILITIES. REMOVE AND REPLACE ASPHALT AND CURB & GUTTER AS NEEDED. INSTALL BENDS AS NEEDED.
- 8 STEPS WITH HANDRAILS
RE: DETAIL 5/C9

NOTE: 5' WIDE ADA PATH TO BE INCLUDED AS ALTERNATE BID ITEM. BASE BID TO INCLUDE MAIN 8' WALKWAY WITH STAIRS AND HANDRAILS.

*REFER TO SHEET C5 FOR GRADING

PAVEMENT MARKING KEY:

SYSL/4" - SINGLE YELLOW SOLID LINE, 4" WIDE

PAINT LEGEND

STRIPING AND HANDICAP STRIPING	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT YELLOW TM5435, OR APPROVED EQUAL
HANDICAP PARKING "SYMBOLS" ONLY	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT "H.C." BLUE, OR APPROVED EQUAL

GENERAL NOTES:

- A. ALL SITE DIMENSIONS TO THE FACE OF CURB, CENTERLINE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
- B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
- C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENTS ADJACENT TO FOUNDATIONS.
- D. REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.
- E. DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
- F. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT DRIVEWAY ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SPECIAL NOTE:

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MODOT R.O.W. NOTE:

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED MODOT PERMITS PRIOR TO BEGINNING WORK WITHIN MODOT RIGHT-OF-WAY.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	EXISTING BUILDING
	ASPHALT PAVEMENT REFER TO DETAIL 1, C8
	CONCRETE SIDEWALK REFER TO DETAIL 3/C8
	COLORED AND STAMPED CONCRETE PAVEMENT REFER TO DETAIL 2/C8

EXISTING CURB NOTE:

CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CURB AS PART OF ASPHALT REPLACEMENT. CONTRACTOR TO REMOVE CURB AS NEEDED FOR PLACEMENT OF CROSSWALKS, SIDEWALKS, AND ADA RAMPS.

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JOB NO. 21JO10020
DRAWING NO. JOP-100-6043
SHEET NUMBER PROJECT DESCRIPTION:

C3 MSSU CAMPUS IMPROVEMENTS
ROADWAY LAYOUT PLAN

PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801
21-623

DATE: 06/25/21
PROJECT ARCHITECT: JIS
DRAWN BY: LDE
CHECKED BY: JCO

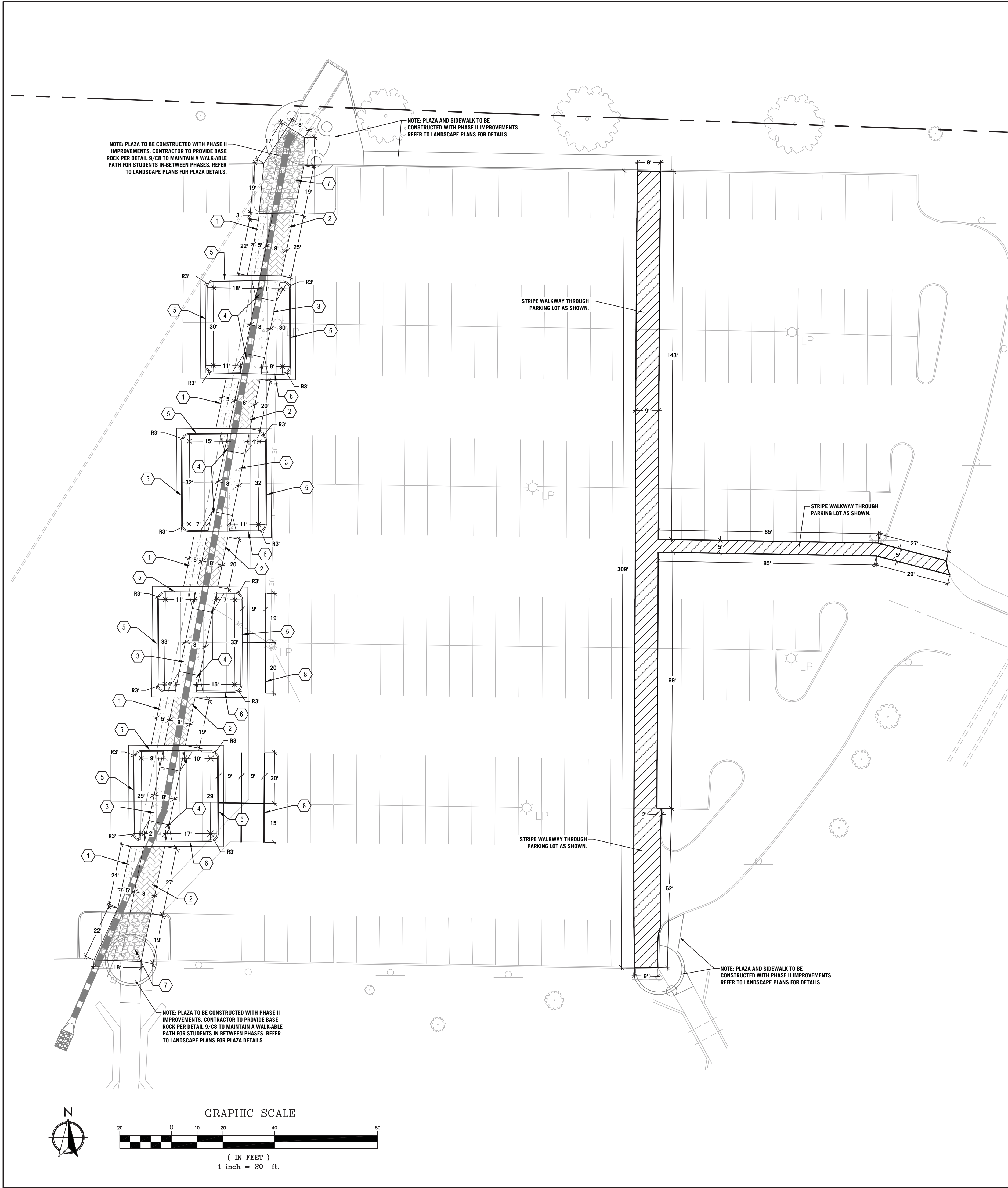
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-201600415

REVISION SCHEDULE

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KEY NOTES:

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RE: DETAIL 1/CB
- 2 STAMPED AND COLORED CONCRETE PAVEMENT
RE: DETAIL 2/CB
- 3 CONCRETE SIDEWALK
RE: DETAIL 3/CB
- 4 ADA RAMP 1
RE: DETAIL 4/CB
- 5 STANDARD CURB AND GUTTER
RE: DETAIL 7/CB
- 6 TIPPED CURB AND GUTTER TO BE INSTALLED ON SOUTH EDGE OF ALL ISLANDS
RE: DETAIL 8/CB
- 7 6" BASE ROCK
RE: DETAIL 9/CB
- 8 PARKING LOT STRIPING
SINGLE YELLOW SOLID LINE @ 4" WIDTH (TYP.)

PARKING LOT ISLAND NOTE:
CONTRACTOR TO BACKFILL ALL PROPOSED PARKING LOT ISLANDS WITH 12" MINIMUM SOIL FOR FUTURE LANDSCAPING IMPROVEMENTS.

PAVEMENT MARKING KEY:

SYSL/4" - SINGLE YELLOW SOLID LINE, 4" WIDE

PAINT LEGEND	
STRIPING AND HANDICAP STRIPING	SURFACES SHOULD BE CLEAN, DRY, TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT YELLOW TM5495, OR APPROVED EQUAL
HANDICAP PARKING "SYMBOLS" ONLY	SURFACES SHOULD BE CLEAN, DRY, TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT "H.C." BLUE, OR APPROVED EQUAL

GENERAL NOTES:

- A. ALL SITE DIMENSIONS TO THE FACE OF CURB, CENTERLINE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
- B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
- C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- D. REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.
- E. DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
- F. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT DRIVEWAY ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	EXISTING BUILDING
	ASPHALT PAVEMENT REFER TO DETAIL 1/CB
	CONCRETE SIDEWALK REFER TO DETAIL 3/CB
	COLORLED AND STAMPED CONCRETE PAVEMENT REFER TO DETAIL 2/CB
	6" BASE ROCK REFER TO DETAIL 9/CB

ANDERSON ENGINEERING

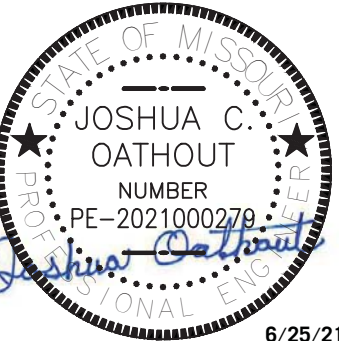
EMPLOYEE OWNED

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JOB NO.
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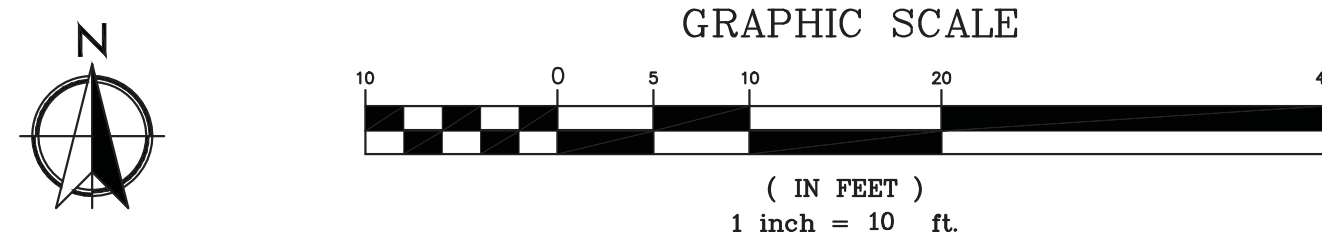
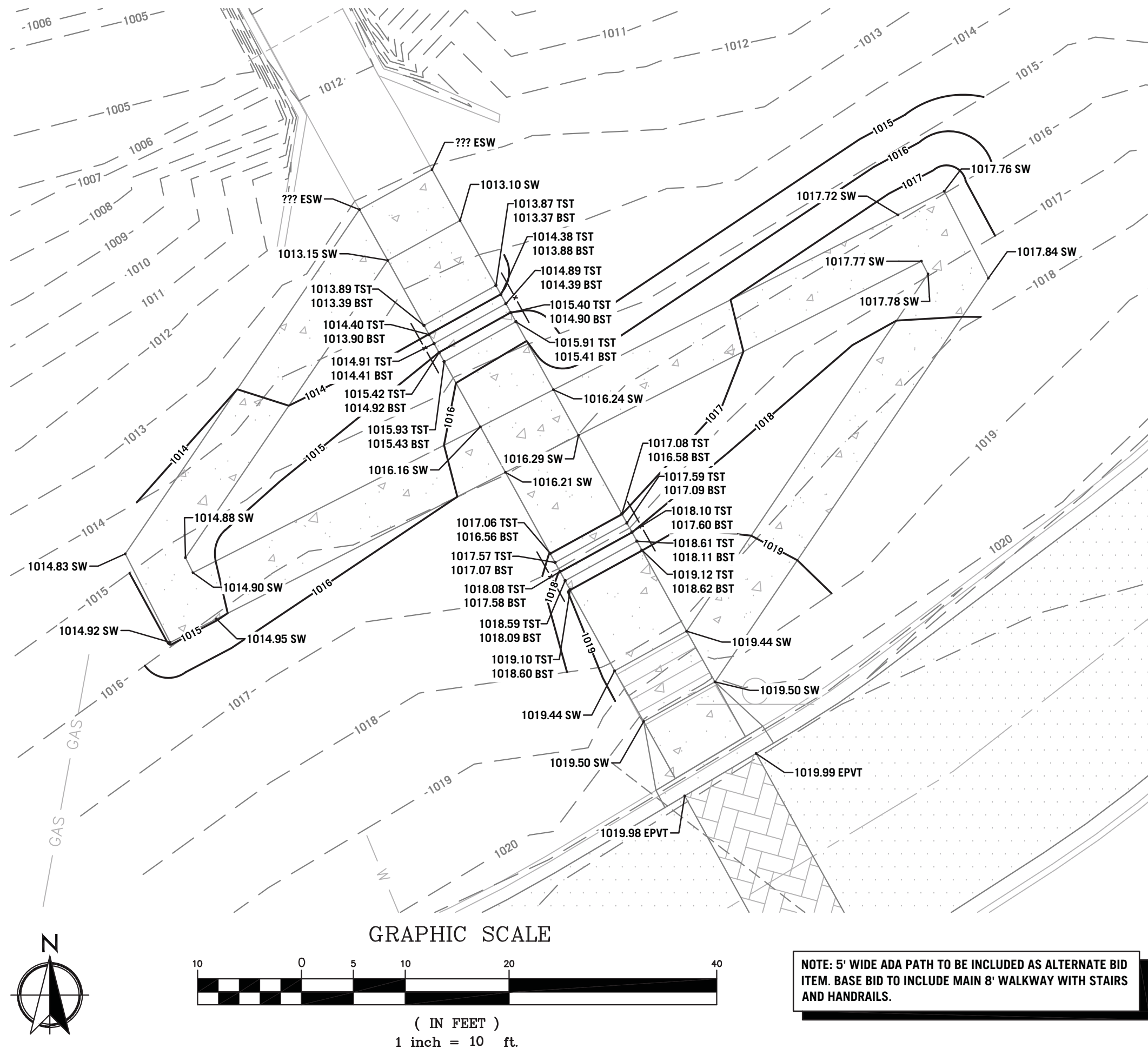
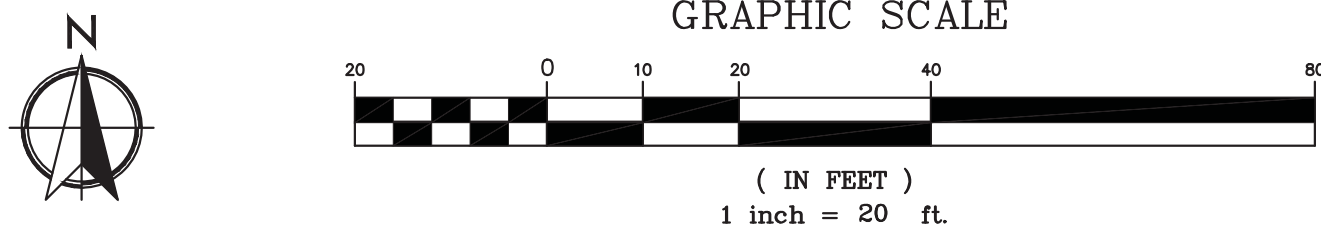
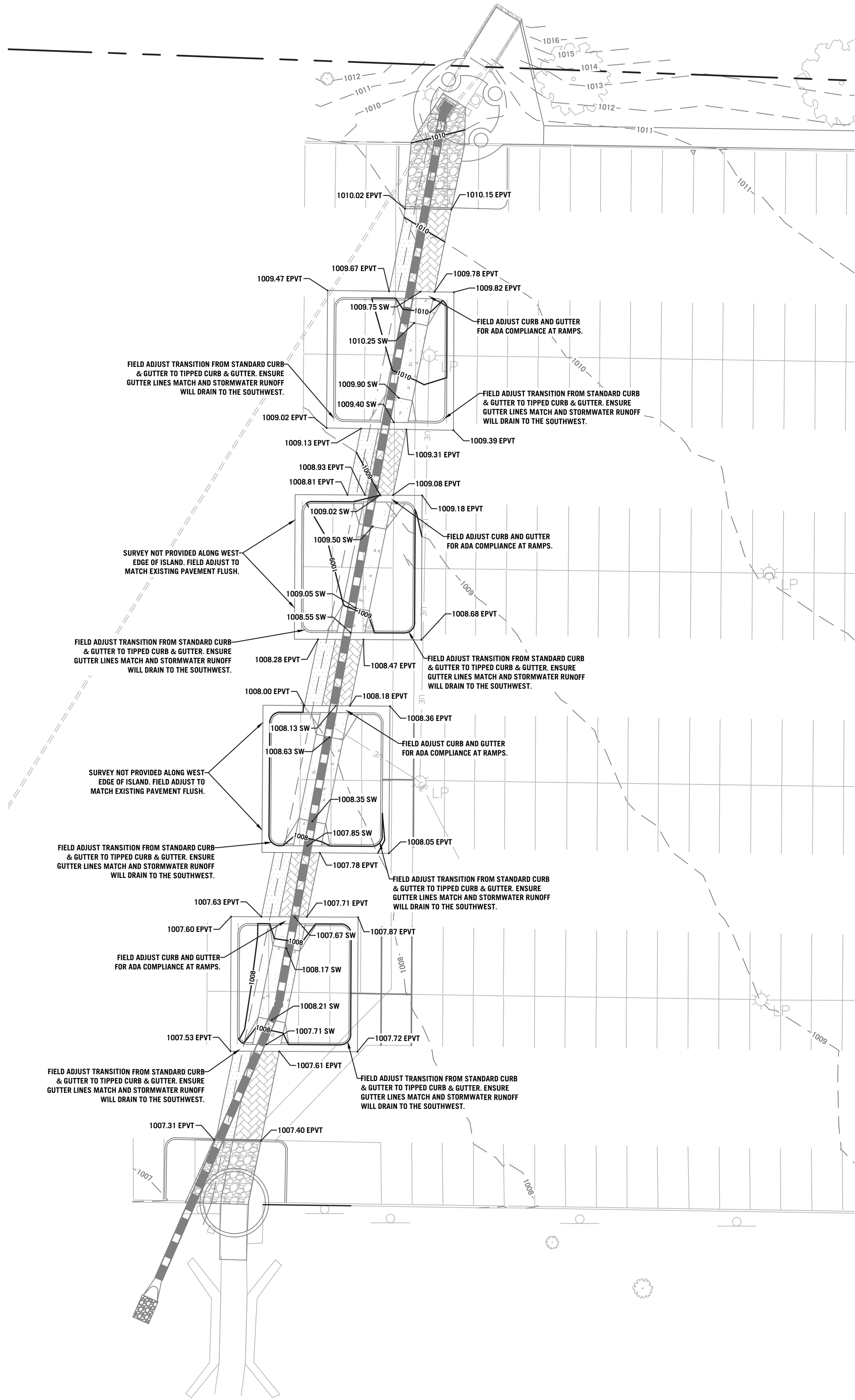
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REVISION SCHEDULE

C4 MSSU CAMPUS IMPROVEMENTS
PARKING LOT LAYOUT PLAN

PROJECT NUMBER:
21-623
DATE:
06/25/21
PROJECT ARCHITECT:
JIS
DRAWN BY:
LDE
CHECKED BY:
JCO



NOTE: 5' WIDE ADA PATH TO BE INCLUDED AS ALTERNATE BID ITEM. BASE BID TO INCLUDE MAIN 8' WALKWAY WITH STAIRS AND HANDRAILS.

GENERAL NOTES:

1. SITE CONDITIONS BASED UPON SURVEY DONE BY ANDERSON ENGINEERING, INC. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL: 1-800-344-7483.
2. THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
3. APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
5. ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
6. THE REMOVAL OF ANY TREES SHALL BE APPROVED BY THE OWNER'S PROJECT MANAGER PRIOR TO REMOVAL.
8. TESTING OF CONTROLLED STRUCTURAL FILL, OBSERVATION OF EXCAVATIONS AND COMPACTION OF SUBGRADE SHALL BE DONE BY A QUALIFIED GEOTECHNICAL ENGINEER. FOLLOW GEOTECHNICAL ENGINEER RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.

CAUTION:
EXISTING SURFACE FEATURES, STRUCTURES, ETC. AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAIN, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

SPECIAL NOTE:
CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT ALL CONNECTION POINTS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.



SYMBOLS LEGEND		
NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.		
	980	EXISTING GRADE LINES
	980	PROPOSED NEW GRADE LINES
NEW SPOT ELEVATIONS		
LIST	ABBREVIATION	
GRADE	NONE	
SIDEWALK	SW	
TOP OF WALL	TW	
TOP OF CURB	TC	
BACK OF CURB	BC	
TOP OF PAVEMENT	PVT	
TOP OF BANK	TB	
NEW GRADE	GD	
CONCRETE	CONC	
EXISTING TOP OF CURB	ETC	
EXISTING GRADE	EG	
EXISTING PAVEMENT	EPVT	
EXISTING GRAVEL	EGRV	
TOP OF STEP	TST	
BOTTOM OF STEP	BST	
GRAVEL	GRV	

ANDERSON ENGINEERING

EMPLOYEE OWNED

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3950 NEWMAN ROAD
JOPLIN, MISSOURI 64801 • PHONE (417) 922-7390
ANDERSON ENGINEERING# LC-82 • JOSHUA C. OATHOUT, P.E. 2021 000279

JOB NO.
21JO10020

DRAWING NO.
JOP-100-6043

SHEET NUMBER
PROJECT DESCRIPTION

C5 MSSU CAMPUS IMPROVEMENTS SITE GRADING PLAN

PROJECT NUMBER:
21-623
DATE:
06/25/21
PROJECT ARCHITECT:
JIS
DRAWN BY:
LDE
CHECKED BY:
JCO

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-201600415

PARAGON

ARCHITECTURE

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JOSHUA C. OATHOUT

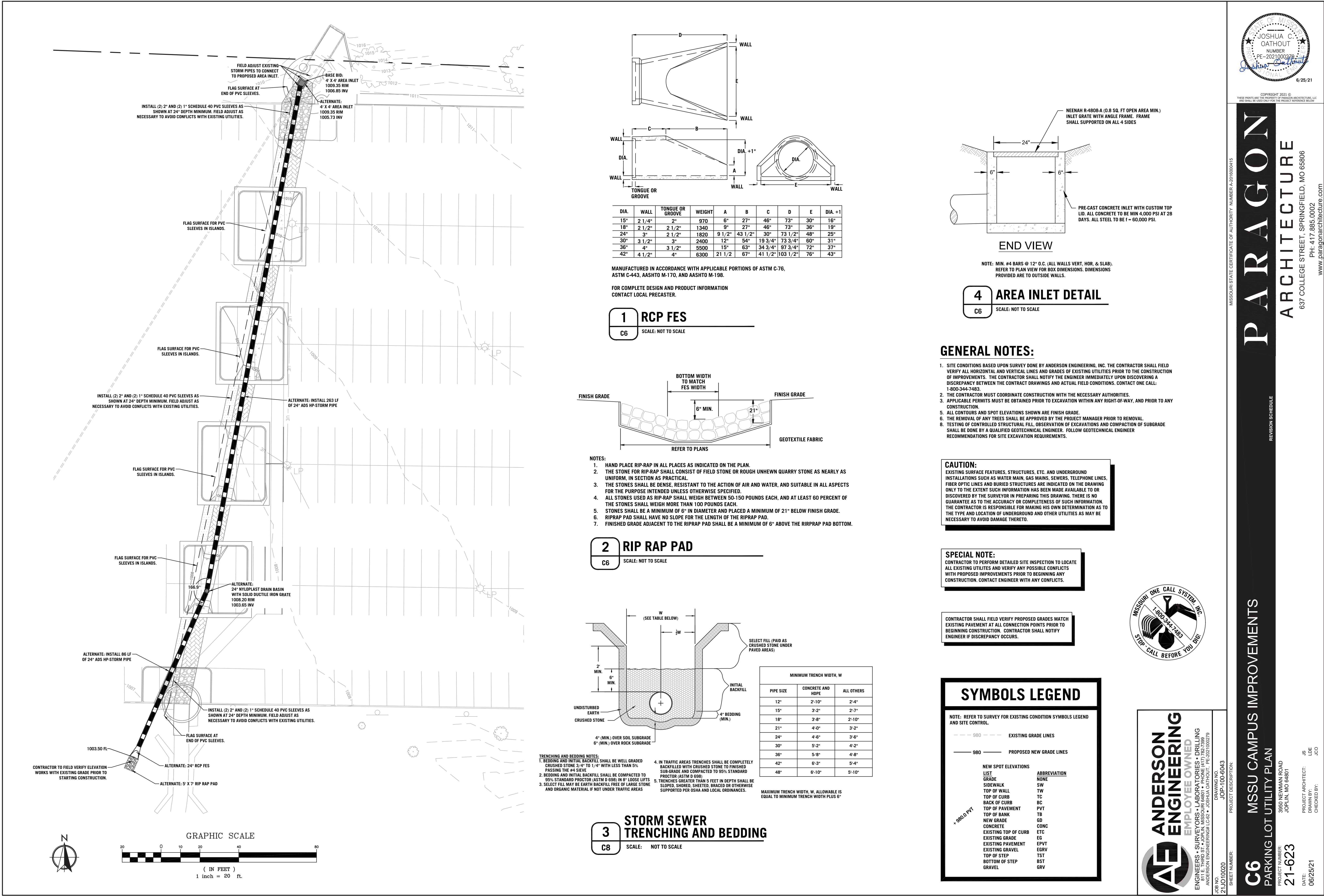
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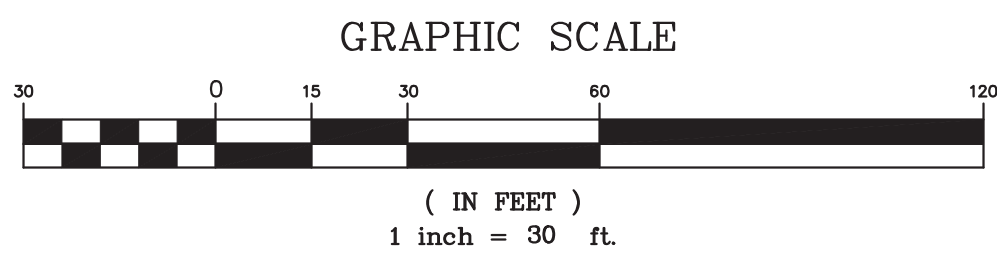
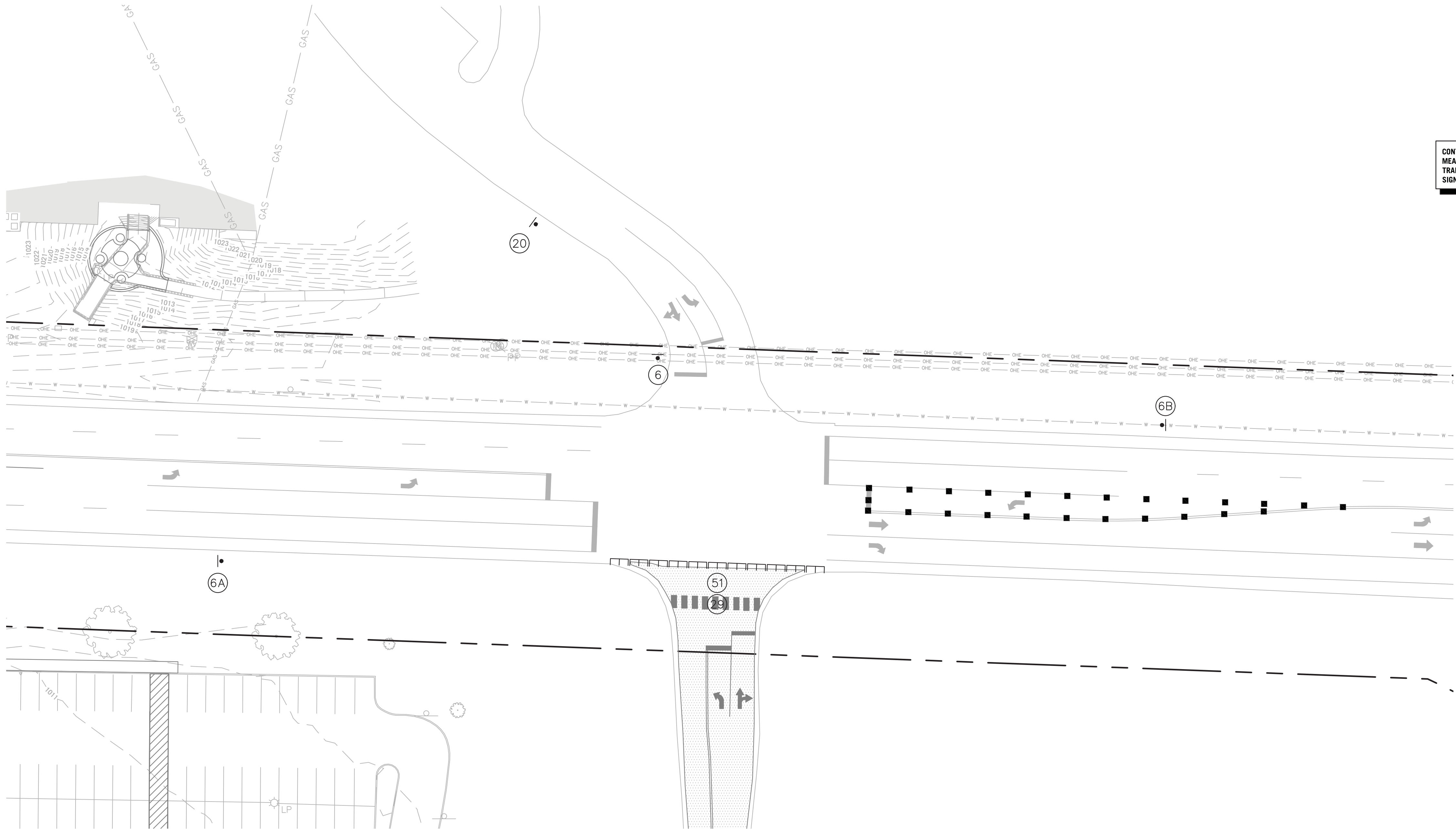
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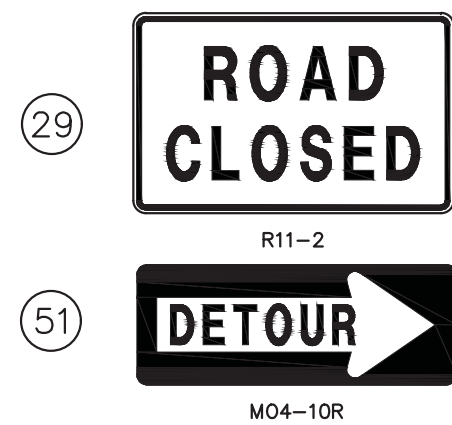
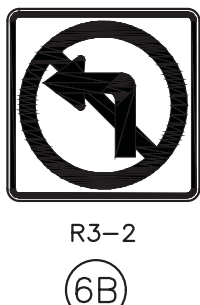
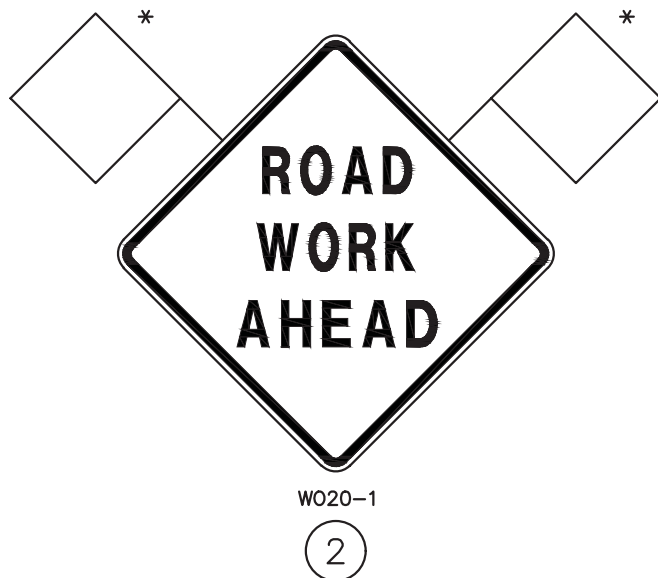
AND SHALL BE USED ONLY FOR THE PROJECT REFERENCE BELOW.





NOTE: CHANNELIZER SPACING 20' AT TURN LANES.

SIGN SPACING USE 200' UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR NOTED ON PLANS.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◼ SIGN (DOUBLE SIDED)
- ◁ FLAGGER
- ▲ CONE
- CHANNELIZER
- E BARRICADE
- ◻ CHANGEABLE MESSAGE BOARD
- WORK ZONE
- * FLAGS ARE INCIDENTAL TO SIGNS

CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES REQUIRED BY MISSOURI DEPARTMENT OF TRANSPORTATION. SIGN PLACEMENT AND DISTANCE BETWEEN SIGNS PER MODOT STANDARDS.



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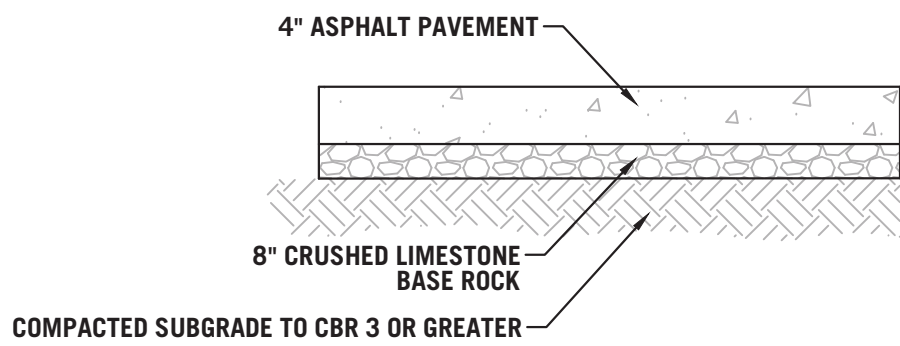
REVISION SCHEDULE



JOB NO. 21JO10020
SHEET NUMBER JOP-100-6043
PROJECT DESCRIPTION: MSSU CAMPUS IMPROVEMENTS

C7 MSSU CAMPUS IMPROVEMENTS
TRAFFIC CONTROL PLAN
21-623

PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801
DATE: 06/25/21
PROJECT ARCHITECT: JIS
DRAWN BY: LDE
CHECKED BY: JCO

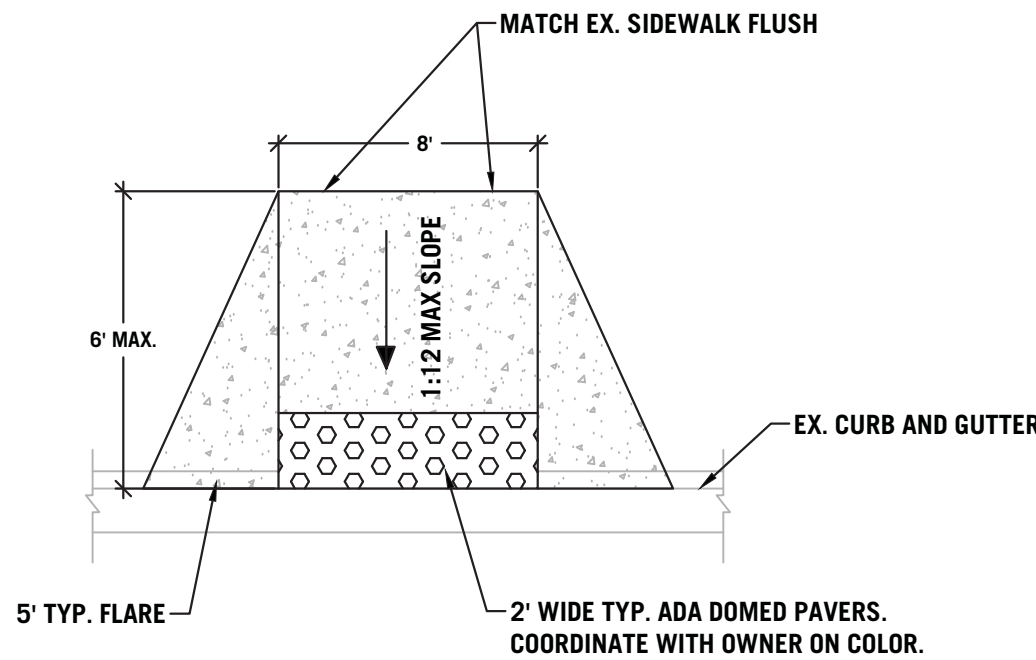


NOTE:
REFER TO GEOTECH REPORT PREPARED BY ANDERSON ENGINEERING FOR FURTHER DETAILS. IF THERE ARE ANY DISCREPANCIES WITH NOTES BELOW, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

- SUBGRADE MUST BE STABLE AND HARD UNDER PROOF ROLLING WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO INSTALLING BASE ROCK.
- SOILS MUST BE PLACED AND COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 WITH MAXIMUM LOOSE LIFT OF 8".
- THE MAXIMUM COMPACTED THICKNESS OF ANY ONE LAYER OF BASE ROCK MATERIAL SHALL NOT EXCEED 6 INCHES WITH EACH LIFT COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR).
- ASPHALT PAVEMENTS SHOULD MEET THE REQUIREMENTS OF SECTION 401 OF THE MODOT STANDARD SPECIFICATIONS FOR ASPHALT PAVEMENTS.
- CARE MUST BE TAKEN TO DEVELOP POSITIVE DRAINAGE ACROSS AND FROM AROUND THE PAVEMENT EDGES. WATER ALLOWED TO POND ON OR ADJACENT TO PAVEMENTS WOULD INCREASE THE POTENTIAL FOR MOISTURE INTRUSION INTO THE SUBGRADE SOILS AND COULD RESULT IN PREMATURE PAVEMENT FAILURE.
- A MAINTENANCE PROGRAM THAT INCLUDES SURFACE SEALING, JOINT CLEANING AND SEALING AND TIMELY REPAIR OF CRACKS AND DETERIORATED AREAS WILL HELP PRESERVE THE PAVEMENT LIFE.
- ALL PROPOSED SUBGRADE SHALL BE PREPARED TO MEET A CBR OF 3 OR GREATER. ANDERSON ENGINEERING SHALL BE RETAINED FOR TESTING SOILS TO VERIFY VALIDITY OF PAVEMENT DESIGN.
- PAVEMENT DESIGN BASED ON TRAFFIC CONSISTING OF PASSENGER VEHICLES DRIVING, TURNING, AND PARKING, AS WELL AS OCCASIONAL SEMI-TRUCKS, TRASH TRUCKS, AND SCHOOL BUSES.

1 ASPHALT PAVING SECTION

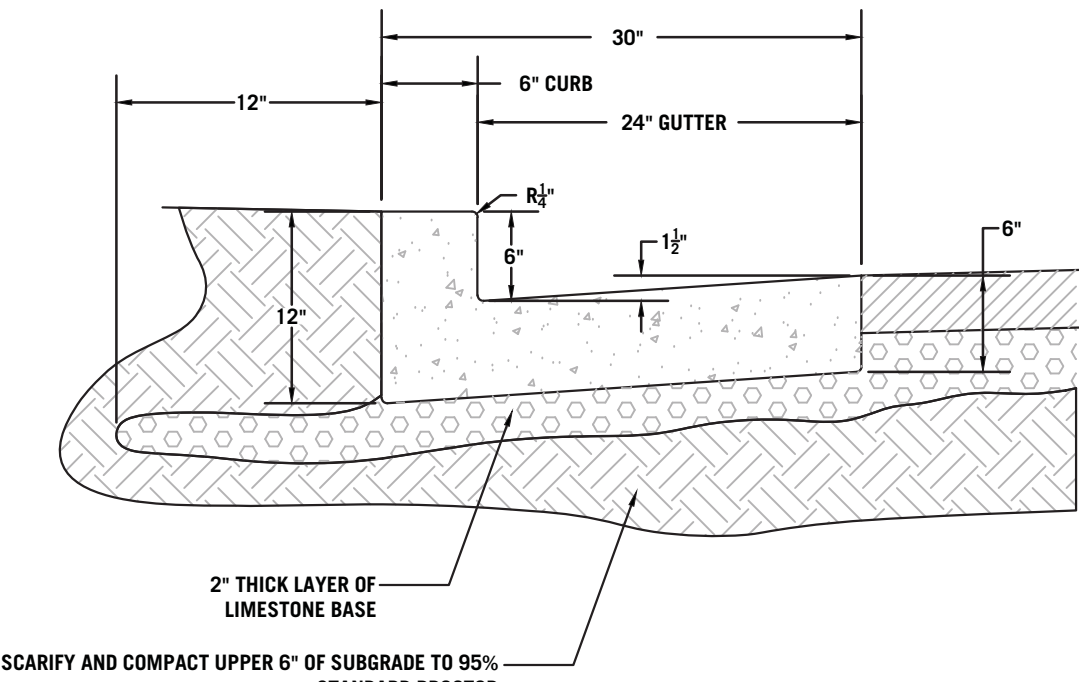
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NOTE: MAINTAIN MAX 2% CROSS SLOPE IN ALL ADA AREAS.

4 ADA RAMP 1

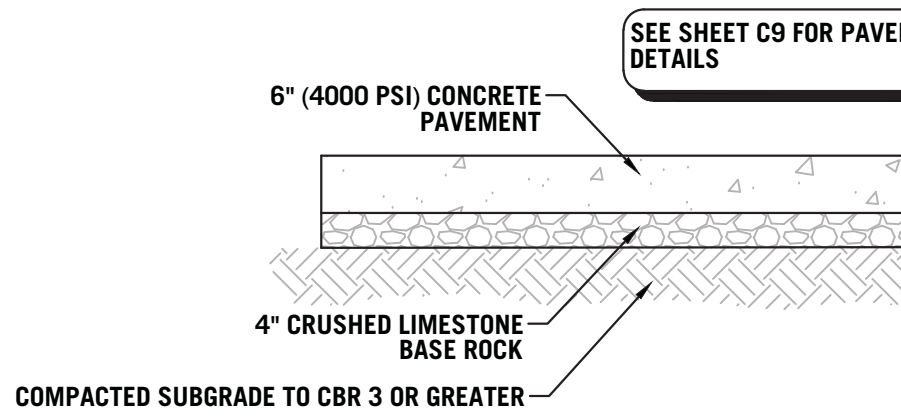
SCALE: NOT TO SCALE



NOTES:
1. CURB AND GUTTER SHALL BE SAW CUT TO 1/4 DEPTH AT 10' INTERVALS WITHIN 48 HOURS AFTER PLACEMENT

7 STANDARD CURB & GUTTER

SCALE: NOT TO SCALE

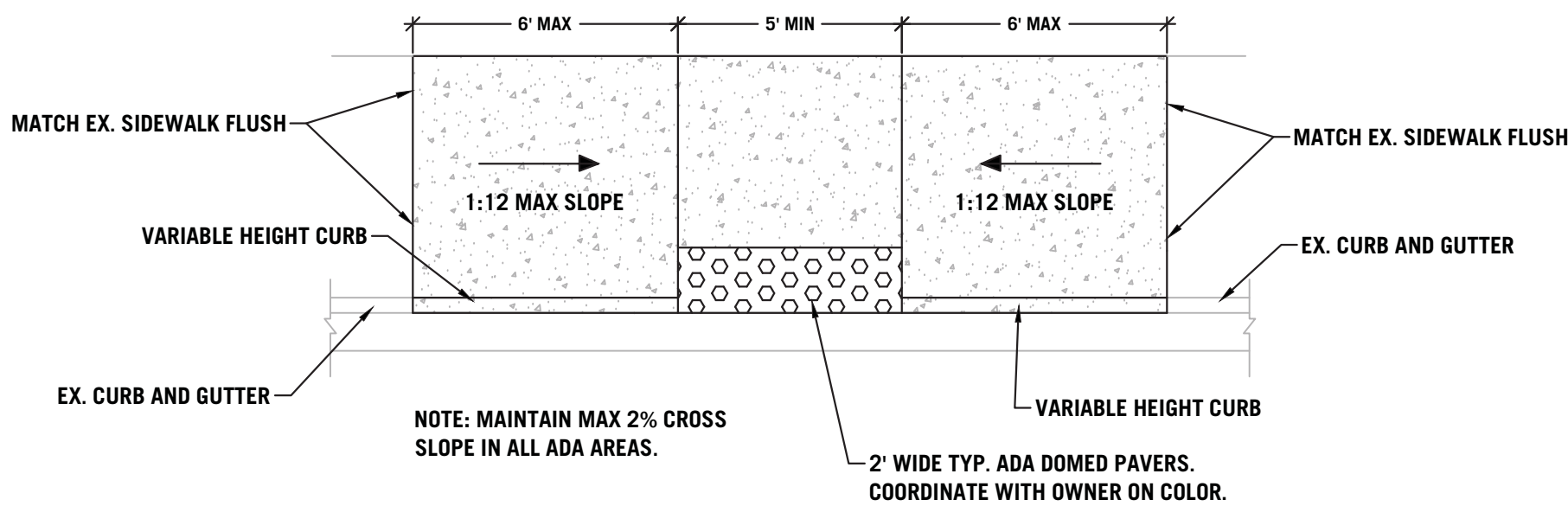


NOTE:
REFER TO GEOTECH REPORT PREPARED BY ANDERSON ENGINEERING FOR FURTHER DETAILS. IF THERE ARE ANY DISCREPANCIES WITH NOTES BELOW, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

- SUBGRADE MUST BE STABLE AND HARD UNDER PROOF ROLLING WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO INSTALLING BASE ROCK.
- SOILS MUST BE PLACED AND COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 WITH MAXIMUM LOOSE LIFT OF 8".
- THE MAXIMUM COMPACTED THICKNESS OF ANY ONE LAYER OF BASE ROCK MATERIAL SHALL NOT EXCEED 6 INCHES WITH EACH LIFT COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR).
- CONCRETE PAVEMENTS SHOULD MEET THE REQUIREMENTS OF SECTION 502 OF THE MODOT STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE PAVEMENTS.
- CARE MUST BE TAKEN TO DEVELOP POSITIVE DRAINAGE ACROSS AND FROM AROUND THE PAVEMENT EDGES. WATER ALLOWED TO POND ON OR ADJACENT TO PAVEMENTS WOULD INCREASE THE POTENTIAL FOR MOISTURE INTRUSION INTO THE SUBGRADE SOILS AND COULD RESULT IN PREMATURE PAVEMENT FAILURE.
- A MAINTENANCE PROGRAM THAT INCLUDES SURFACE SEALING, JOINT CLEANING AND SEALING AND TIMELY REPAIR OF CRACKS AND DETERIORATED AREAS WILL HELP PRESERVE THE PAVEMENT LIFE.
- ALL PROPOSED SUBGRADE SHALL BE PREPARED TO MEET A CBR OF 3 OR GREATER. ANDERSON ENGINEERING SHALL BE RETAINED FOR TESTING SOILS TO VERIFY VALIDITY OF PAVEMENT DESIGN.
- PAVEMENT DESIGN BASED ON TRAFFIC CONSISTING OF PASSENGER VEHICLES DRIVING, TURNING, AND PARKING, AS WELL AS OCCASIONAL SEMI-TRUCKS, TRASH TRUCKS, AND SCHOOL BUSES.
- ALL CONCRETE SHALL MEET MODOT STANDARDS AS WELL AS MEET A 4000 PSI COMPRESSIVE STRENGTH OR GREATER.
- REFER TO THE BAR DETAIL ON SHEET C9 ON ALL PAVEMENT AT EDGE OF PARKING AREAS THAT ARE NOT CONSTRAINED FROM LATERAL MOVEMENT BY CURB AND GUTTER.

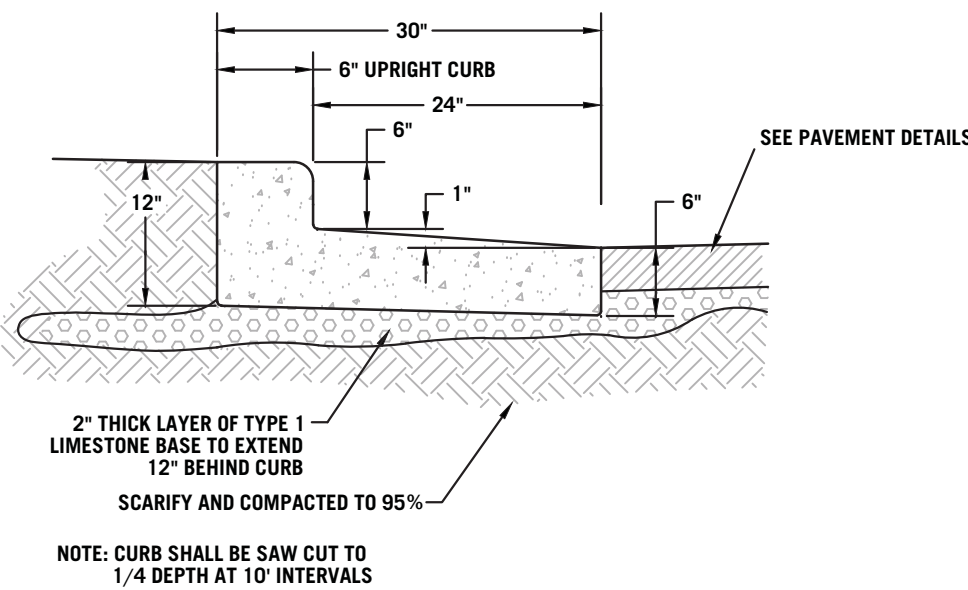
2 COLORED AND STAMPED CONCRETE PAVING SECTION

SCALE: NOT TO SCALE



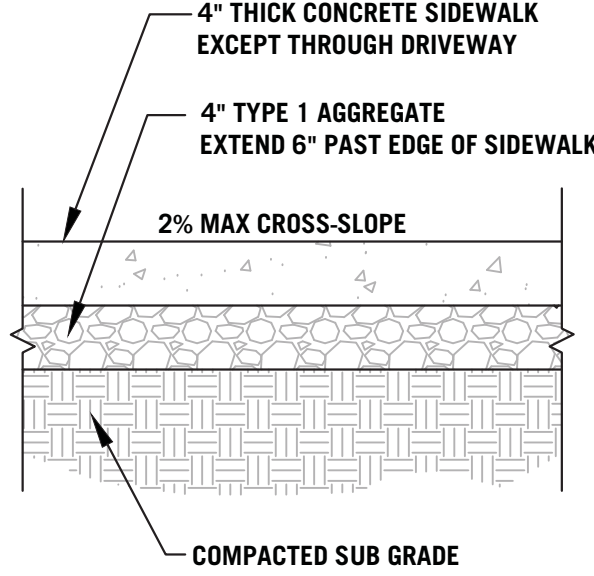
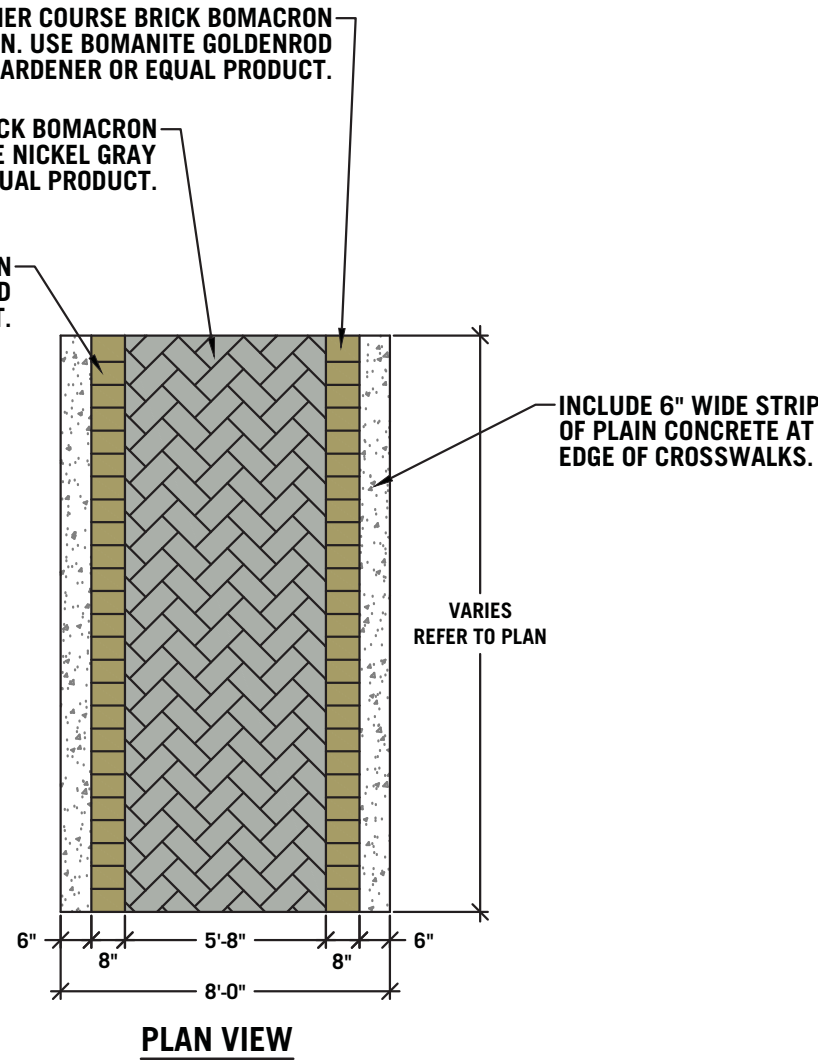
5 ADA RAMP 2

SCALE: NOT TO SCALE



8 TIPPED CURB & GUTTER

SCALE: NOT TO SCALE

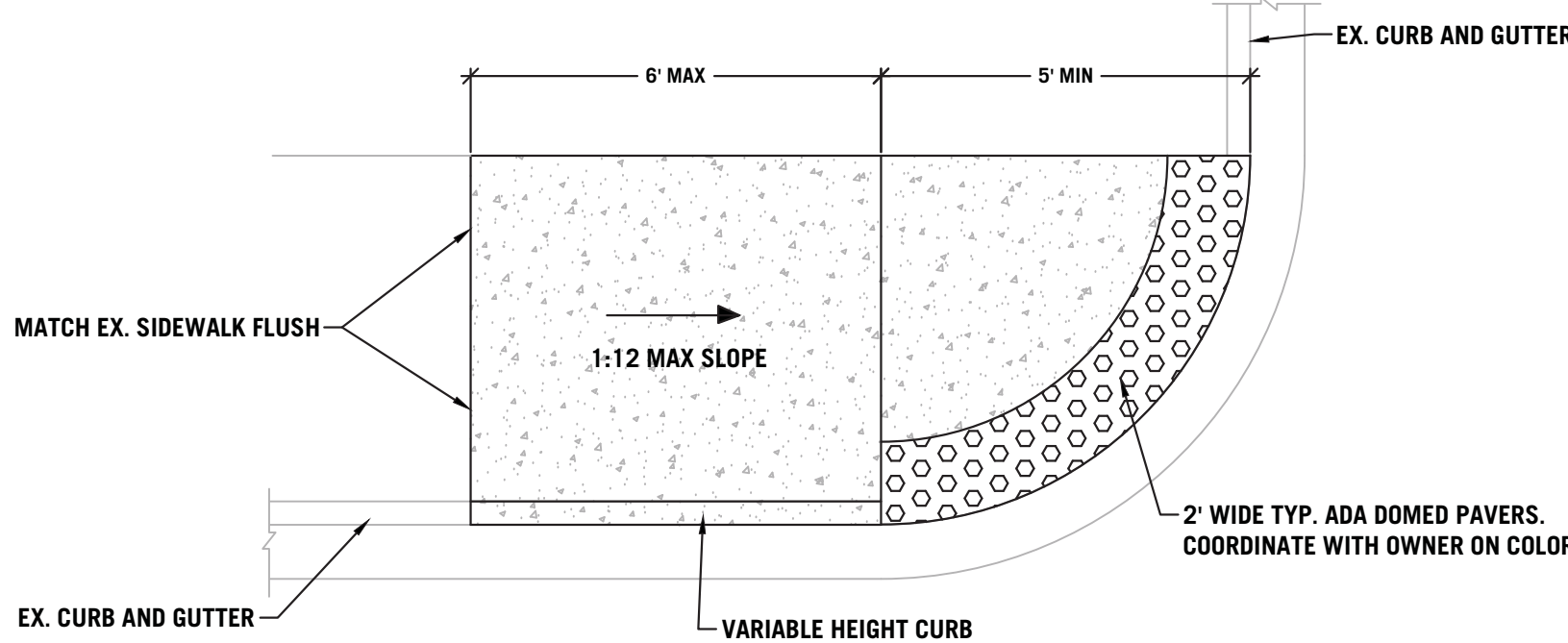


SPECIAL NOTE:
ALL SIDEWALK AND CURB RAMPS MUST COMPLY WITH FEDERAL LAWS AND ADA GUIDELINES. NON-COMPLIANT WORK WILL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

- NOTES:**
- ALL SIDEWALKS ARE TO BE BUILT PER JOPLIN, MO STANDARD SPECIFICATIONS.
 - CONTROL JOINTS AT 4' O.C. & SHALL BE A MINIMUM OF ONE-FOURTH (1/4) THE TOTAL SLAB DEPTH. THE JOINTS SHALL BE MADE USING AN APPROVED GROOVING TOOL AND SHALL BE AT RIGHT ANGLES TO THE LENGTH OF THE WALK. THE EDGE OF THE WALK SHALL BE FINISHED W/ AN EDGER HAVING A ONE-HALF (1/2) INCH RADIUS.
 - EXPANSION JOINTS EVERY 100' AND 18" ON EACH SIDE OF DRIVEWAYS, INTERSECTING WALKS, AND LOCATIONS AS SHOWN ON PLANS.
 - SIDEWALK CROSS-SLOPE NOT TO EXCEED 2%, INCLUDING SIDEWALKS ACROSS DRIVEWAYS.
 - THE MAXIMUM RUNNING SLOPE OF SIDEWALKS ARE 5%. IF A RUNNING SLOPE ON A SIDEWALK NOT CLASSIFIED AS A RAMP EXCEEDS 5%, HANDRAILS WILL BE REQUIRED.
 - THE MAXIMUM RUNNING SLOPE ON A SIDEWALK CLASSIFIED AS A RAMP IS 8.33%. NO RUNNING SLOPE ON ANY SECTION OF SIDEWALK CAN EXCEED 8.33%.
 - AFTER THE INITIAL SET HAS TAKEN PLACE, THE SURFACE SHALL BE EITHER WOOD OR CORK FLOATED AND GIVEN A BURLAP OR BROM FINISH.

3 CONCRETE SIDEWALK

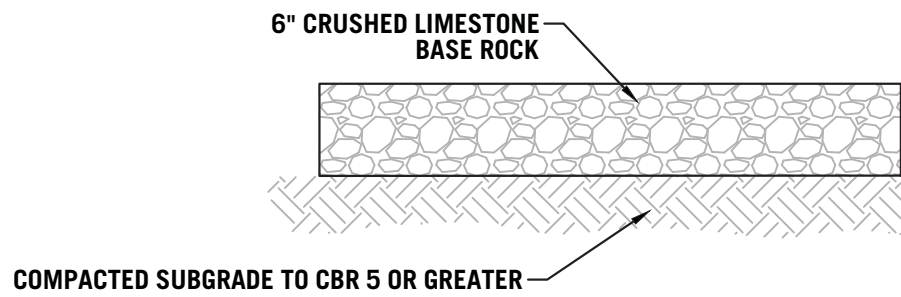
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NOTE: MAINTAIN MAX 2% CROSS SLOPE IN ALL ADA AREAS.

6 ADA RAMP 3

SCALE: NOT TO SCALE



NOTE:
REFER TO GEOTECH REPORT PREPARED BY ANDERSON ENGINEERING FOR FURTHER DETAILS. IF THERE ARE ANY DISCREPANCIES WITH NOTES BELOW, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

- SUBGRADE MUST BE STABLE AND HARD UNDER PROOF ROLLING WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO INSTALLING BASE ROCK.
- SOILS MUST BE PLACED AND COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 WITH MAXIMUM LOOSE LIFT OF 8".
- THE MAXIMUM COMPACTED THICKNESS OF ANY ONE LAYER OF BASE ROCK MATERIAL SHALL NOT EXCEED 6 INCHES WITH EACH LIFT COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR).
- ALL PROPOSED SUBGRADE SHALL BE PREPARED TO MEET A CBR OF 5 OR GREATER. ANDERSON ENGINEERING SHALL BE RETAINED FOR TESTING SOILS TO VERIFY VALIDITY OF PAVEMENT DESIGN.
- SECTION OF GRAVEL NOT RATED FOR VEHICULAR TRAFFIC

9 6" BASEROCK SECTION DETAIL

SCALE: NOT TO SCALE

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ANDERSON ENGINEERING# LC-82 • JOSHUA C OATHOUT, PE-2021000279

JOB NO. 21JO10020
SHEET NUMBER JOP-100-6043
PROJECT DESCRIPTION: CONSTRUCTION DETAILS

C8 MSSU CAMPUS IMPROVEMENTS
CONSTRUCTION DETAILS

PROJECT NUMBER: 21-623
DATE: 06/25/21
PROJECT ARCHITECT: JIS
DRAWN BY: LDE
CHECKED BY: JCO

JOSHUA C. OATHOUT
NUMBER
PE-2021000279
6/25/21

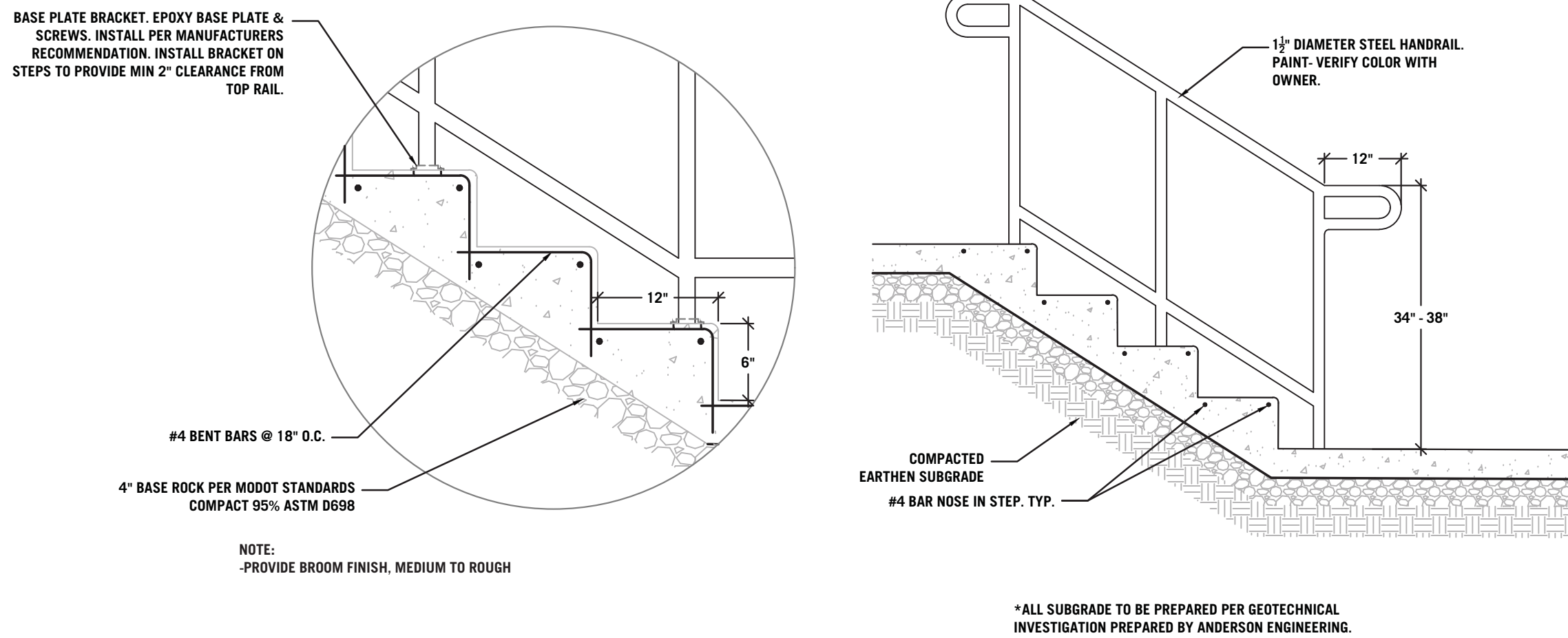
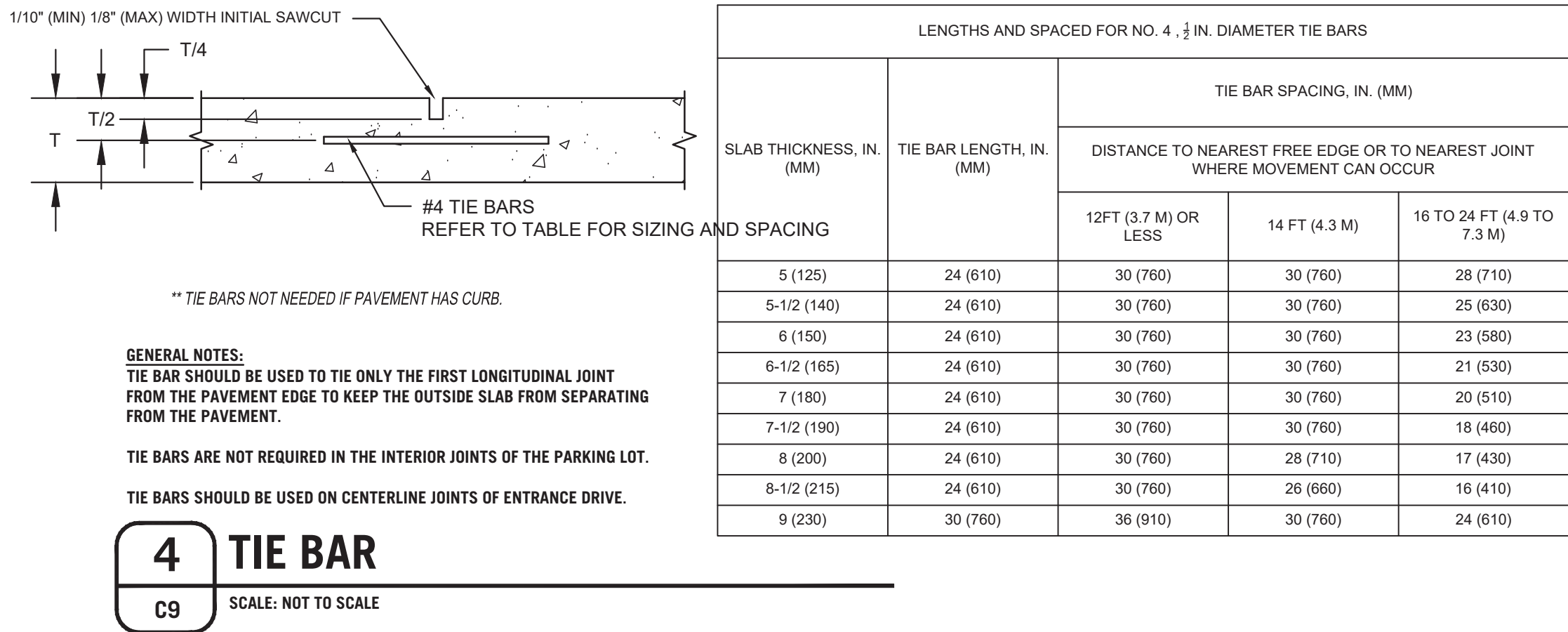
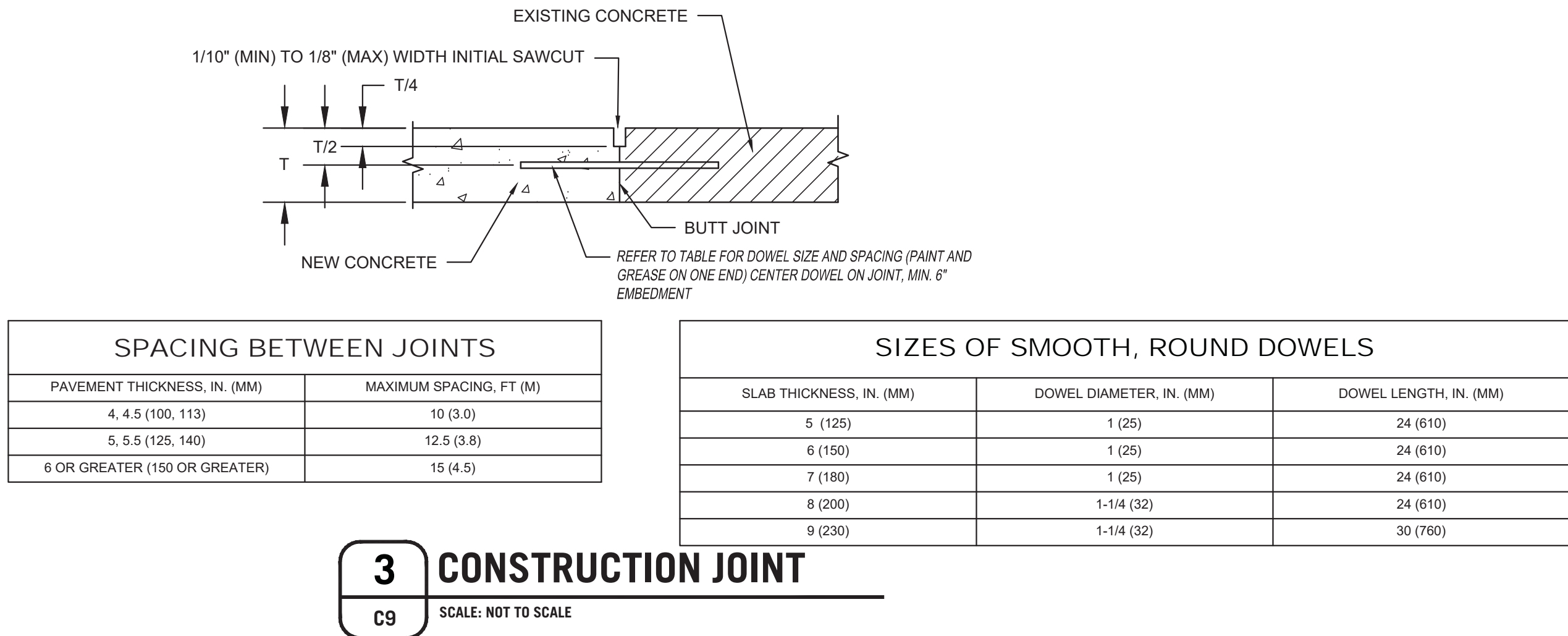
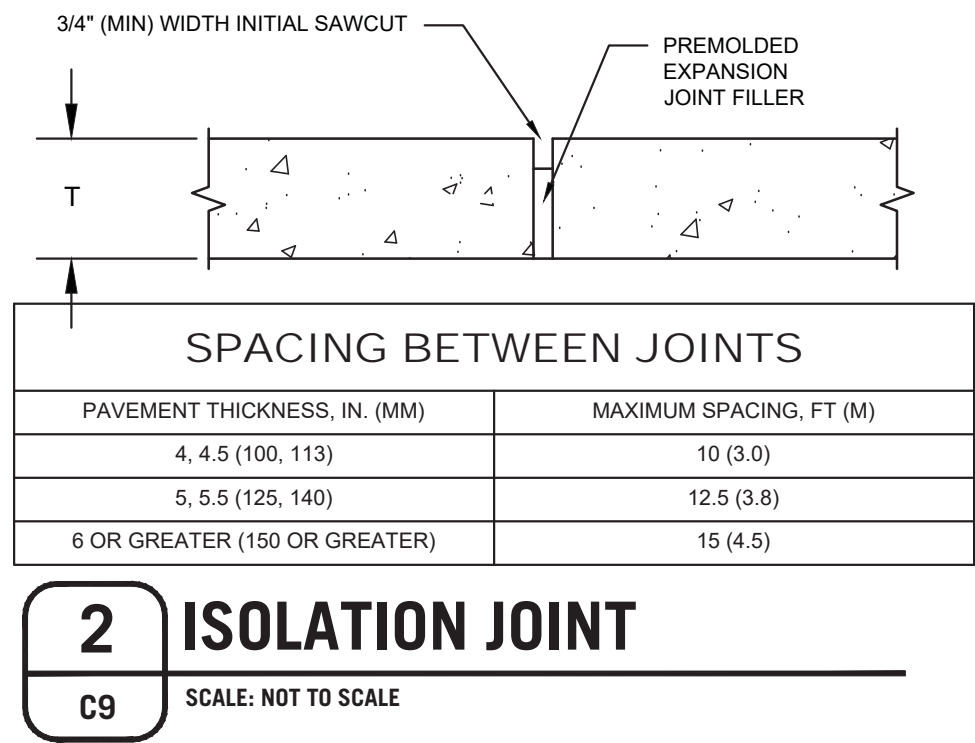
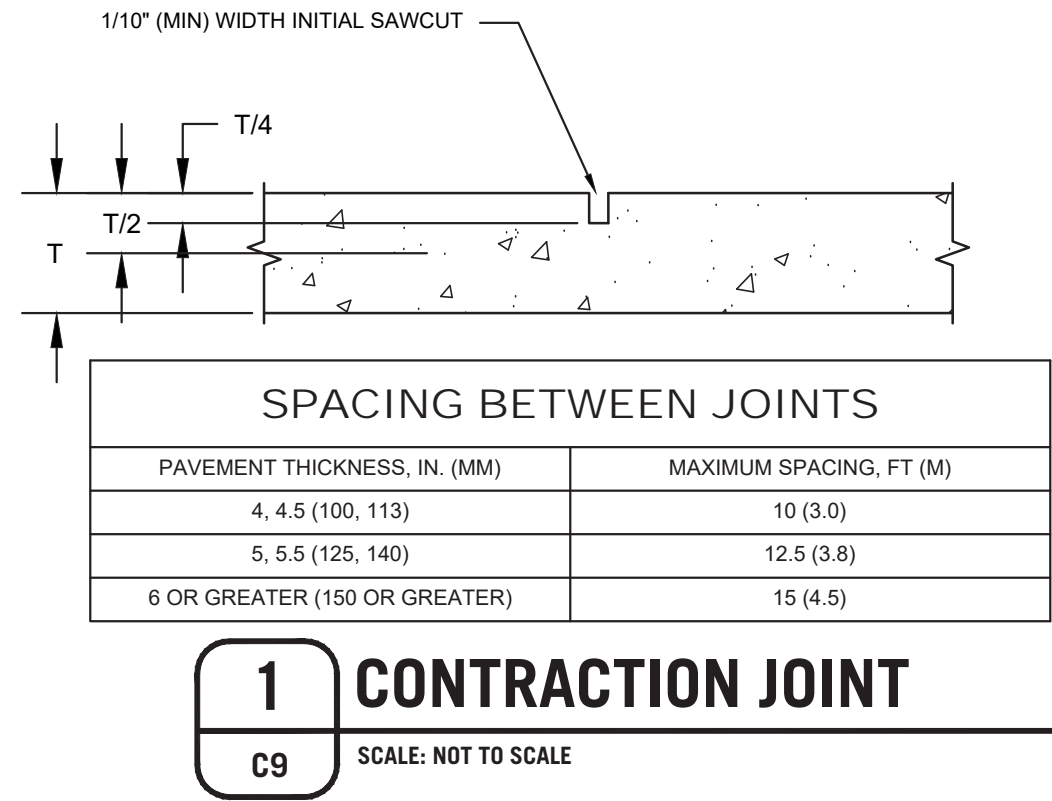
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5 STAIRS AND HANDRAIL DETAIL

C9 SCALE: NOT TO SCALE



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REVISION SCHEDULE

C9 MSSU CAMPUS IMPROVEMENTS

CONSTRUCTION DETAILS

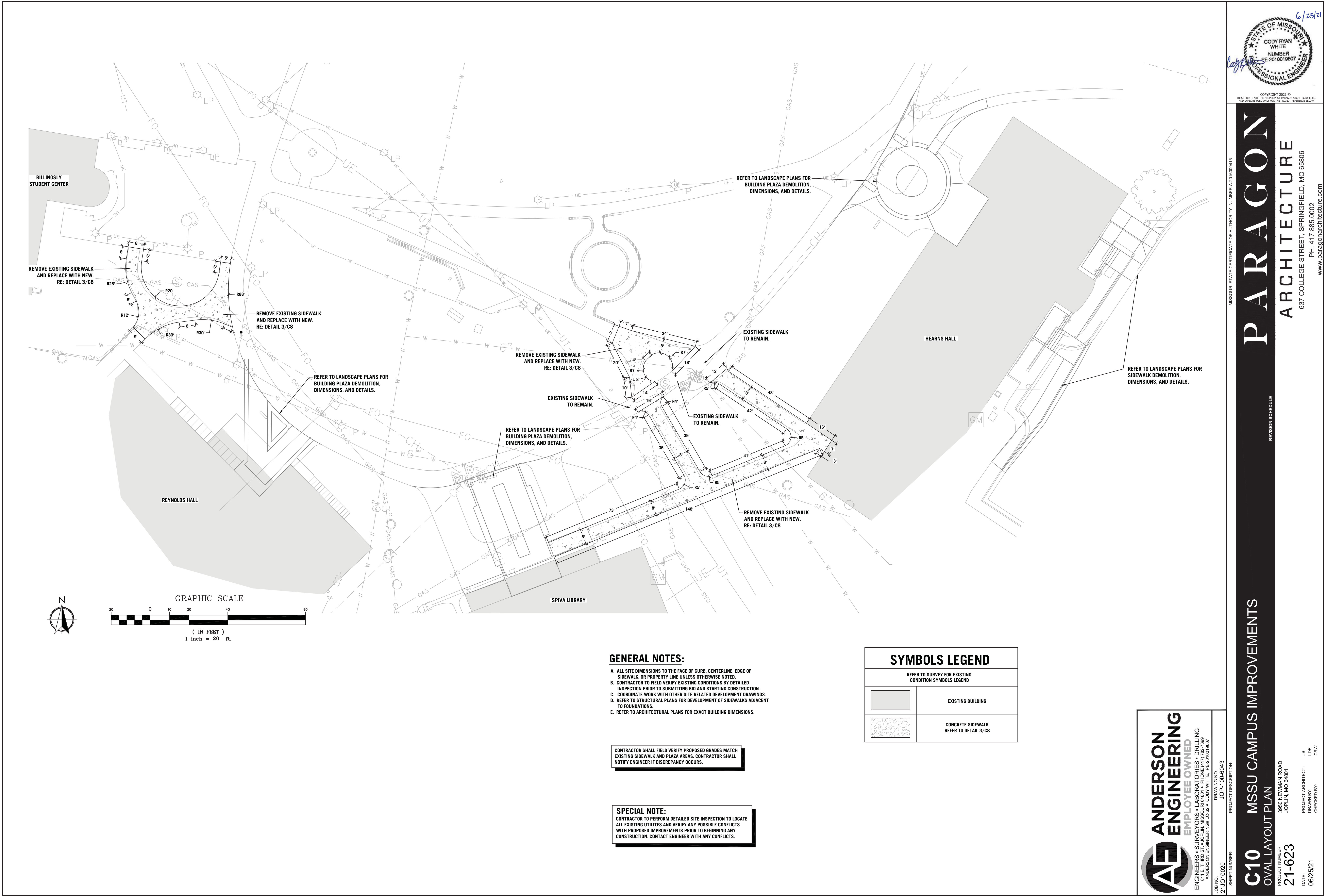
PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801

21-623

DATE: JIS
DRAWN BY: LDE
CHECKED BY: JCO



JOB NO. 21JO10020
DRAWING NO. JOP-100-6043
PROJECT DESCRIPTION:



GENERAL NOTES:

- A. ALL SITE DIMENSIONS TO THE FACE OF CURB, CENTERLINE, EDGE OF SIDEWALK, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
- B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
- C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- D. REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.
- E. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.

SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING SIDEWALK AND PLAZA AREAS. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	EXISTING BUILDING
	CONCRETE SIDEWALK REFER TO DETAIL 3/C8



JOB NO. 21JO10020
SHEET NUMBER
DRAWING NO. JOP-100-6043
PROJECT DESCRIPTION:

**C10 MSSU CAMPUS IMPROVEMENTS
OVAL LAYOUT PLAN**

PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801

21-623

DATE: 06/25/21
PROJECT ARCHITECT: JIS
DRAWN BY: LDE
CHECKED BY: CRW

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-201600415

PARAGON

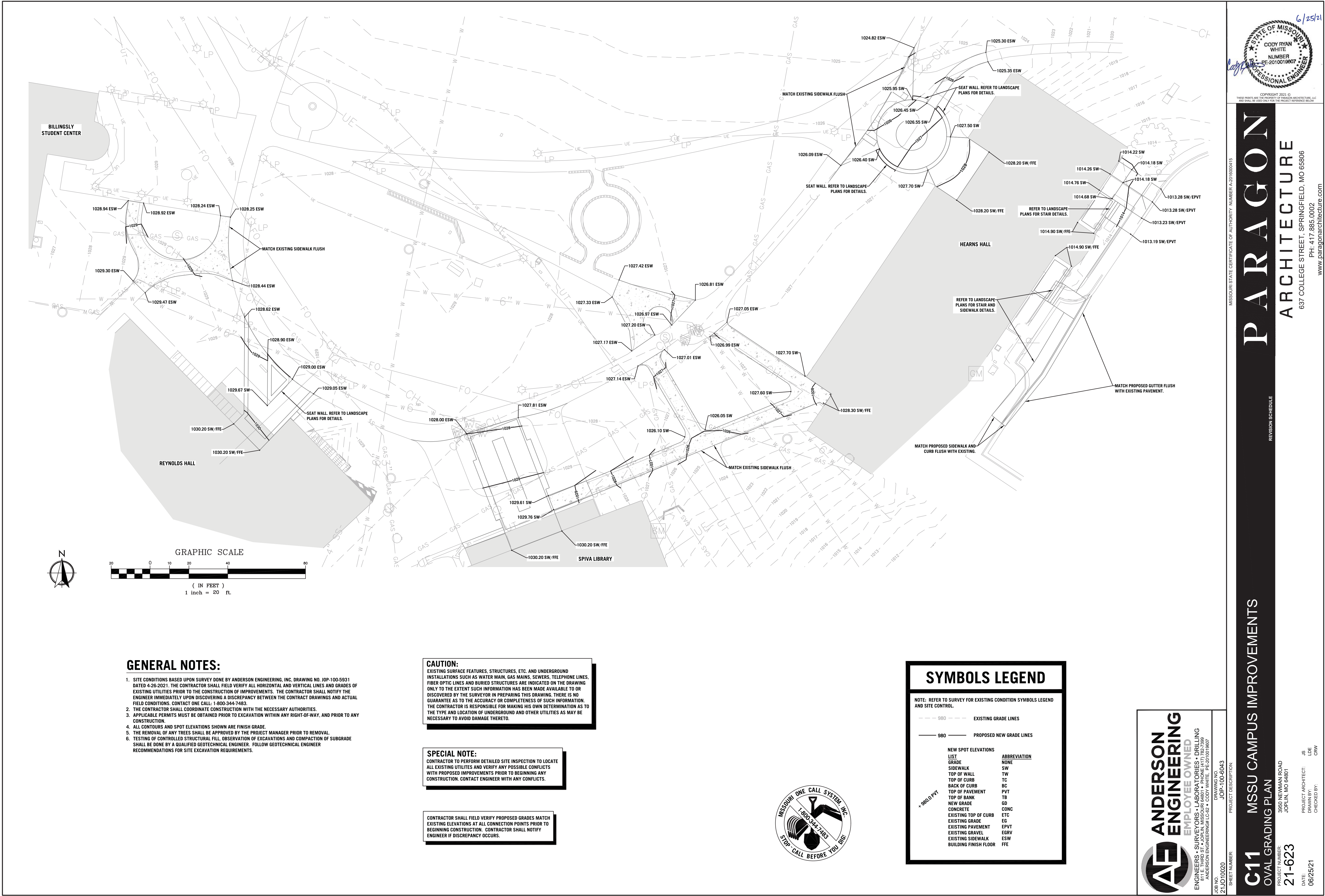
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REVISION SCHEDULE



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GENERAL NOTES:

1. SITE CONDITIONS BASED UPON SURVEY DONE BY ANDERSON ENGINEERING, INC. DRAWING NO. JOP-100-5931 DATED 4-26-2021. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL-1-800-344-7493.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
3. APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
4. ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
5. THE REMOVAL OF ANY TREES SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO REMOVAL.
6. TESTING OF CONTROLLED STRUCTURAL FILL, OBSERVATION OF EXCAVATIONS AND COMPACTION OF SUBGRADE SHALL BE DONE BY A QUALIFIED GEOTECHNICAL ENGINEER. FOLLOW GEOTECHNICAL ENGINEER RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.

CAUTION:

EXISTING SURFACE FEATURES, STRUCTURES, ETC. AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAIN, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING ELEVATIONS AT ALL CONNECTION POINTS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

- 980 --- EXISTING GRADE LINES
- 980 — PROPOSED NEW GRADE LINES

NEW SPOT ELEVATIONS	
LIST	ABBREVIATION
GRADE	NONE
SIDEWALK	SW
TOP OF WALL	TW
TOP OF CURB	TC
BACK OF CURB	BC
TOP OF PAVEMENT	PVT
TOP OF BANK	TB
NEW GRADE	GD
CONCRETE	CONC
EXISTING TOP OF CURB	ETC
EXISTING GRADE	EG
EXISTING PAVEMENT	EPVT
EXISTING GRAVEL	EGRV
EXISTING SIDEWALK	ESW
BUILDING FINISH FLOOR	FFE



Anderson Engineering logo and contact information: ANDERSON ENGINEERING, EMPLOYEE OWNED, ENGINEERS, SURVEYORS, LABORATORIES • DRILLING • GEOTECHNICAL • EROSION CONTROL • 3950 NEWMAN ROAD JOPLIN, MO 64801

C11 MSSU CAMPUS IMPROVEMENTS OVAL GRADING PLAN 21-623

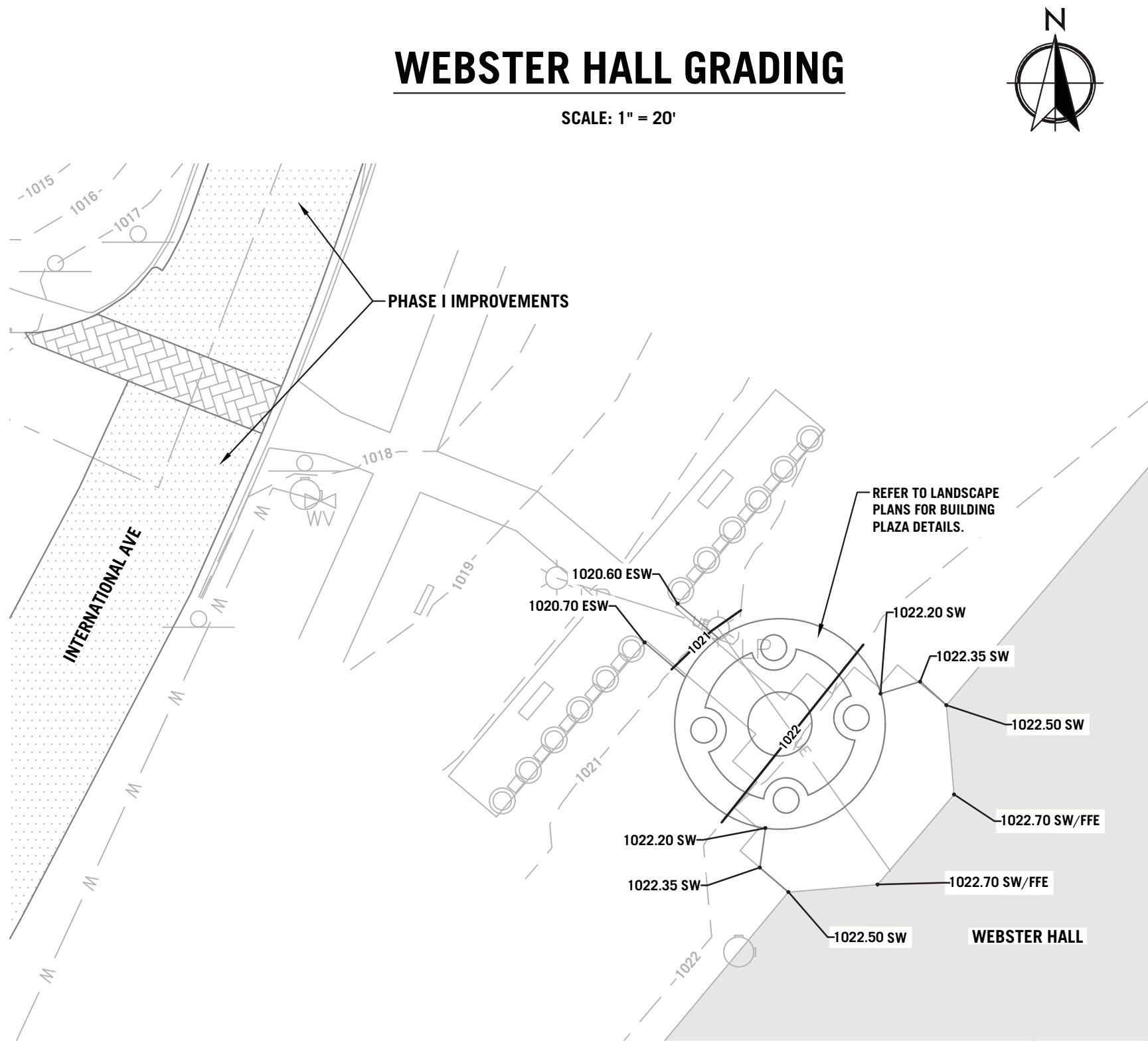
Project information: PROJECT NUMBER: 21-JO-10020, SHEET NUMBER: JOP-100-6043, PROJECT DESCRIPTION: MSSU CAMPUS IMPROVEMENTS

Paragon Architecture logo and contact information: PARAGON ARCHITECTURE, 637 COLLEGE STREET, SPRINGFIELD, MO 65806, PH: 417.885.0002, www.paragonarchitecture.com

Professional Engineer seal for Cody Ryan White, Missouri State Certificate of Authority Number A-201600415

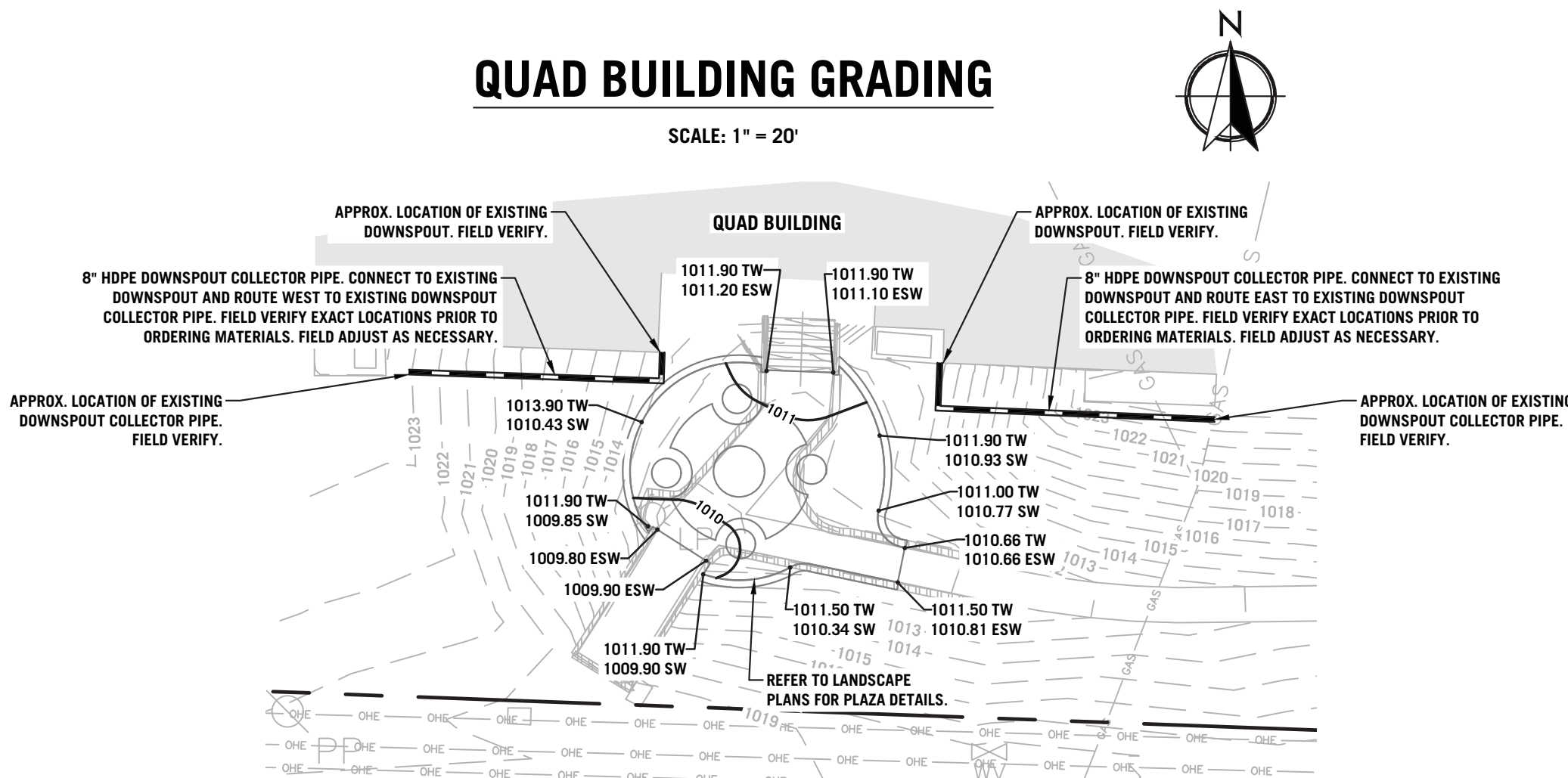
WEBSTER HALL GRADING

SCALE: 1" = 20'



QUAD BUILDING GRADING

SCALE: 1" = 20'



GENERAL NOTES:

- SITE CONDITIONS BASED UPON SURVEY DONE BY ANDERSON ENGINEERING, INC. DRAWING NO. JOP-100-5931 DATED 4-26-2021. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL: 1-800-344-7463.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
- APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
- ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
- THE REMOVAL OF ANY TREES SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO REMOVAL.
- TESTING OF CONTROLLED STRUCTURAL FILL, OBSERVATION OF EXCAVATIONS AND COMPACTION OF SUBGRADE SHALL BE DONE BY A QUALIFIED GEOTECHNICAL ENGINEER. FOLLOW GEOTECHNICAL ENGINEER RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.

CAUTION:

EXISTING SURFACE FEATURES, STRUCTURES, ETC. AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAIN, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

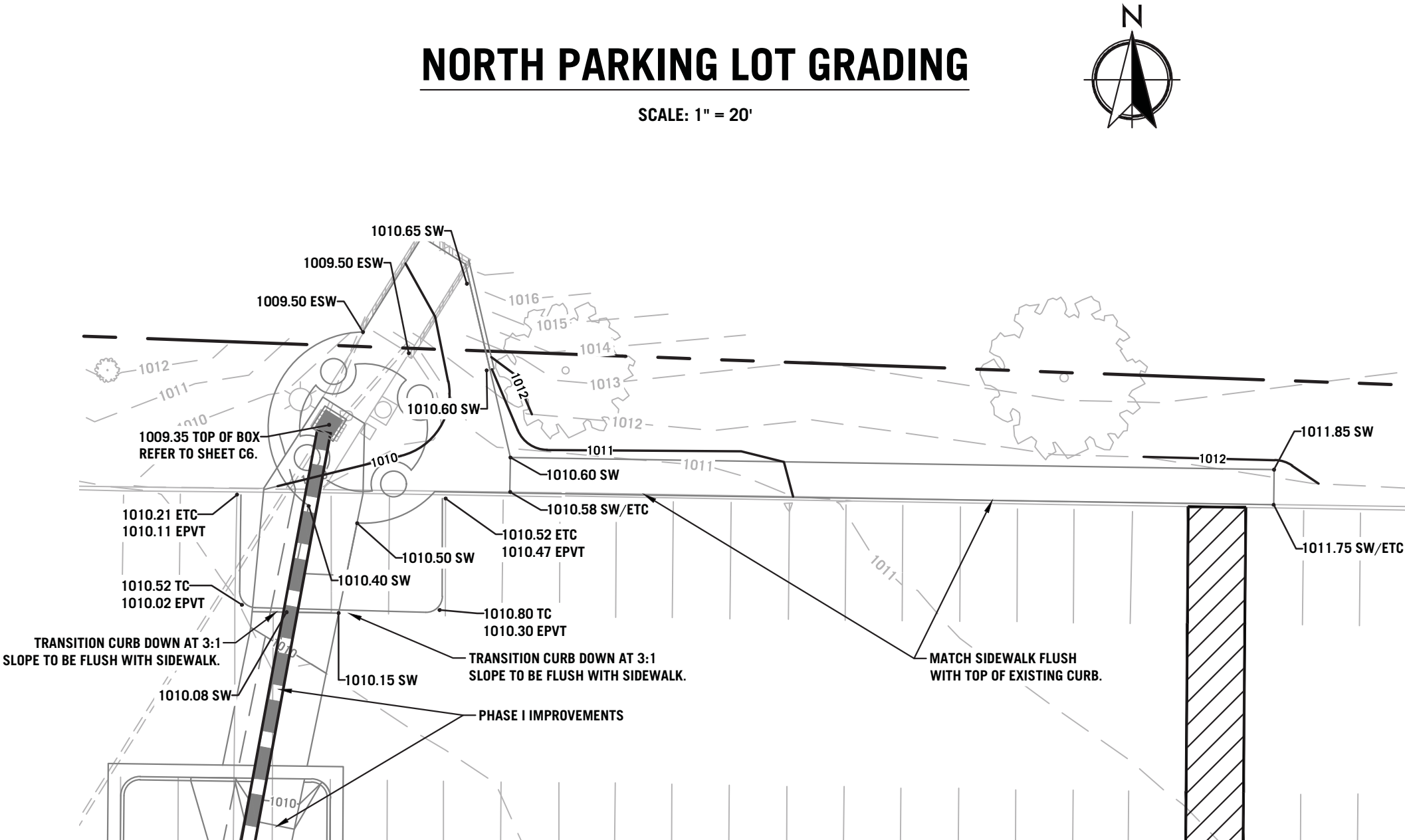
SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING ELEVATIONS AT ALL CONNECTION POINTS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

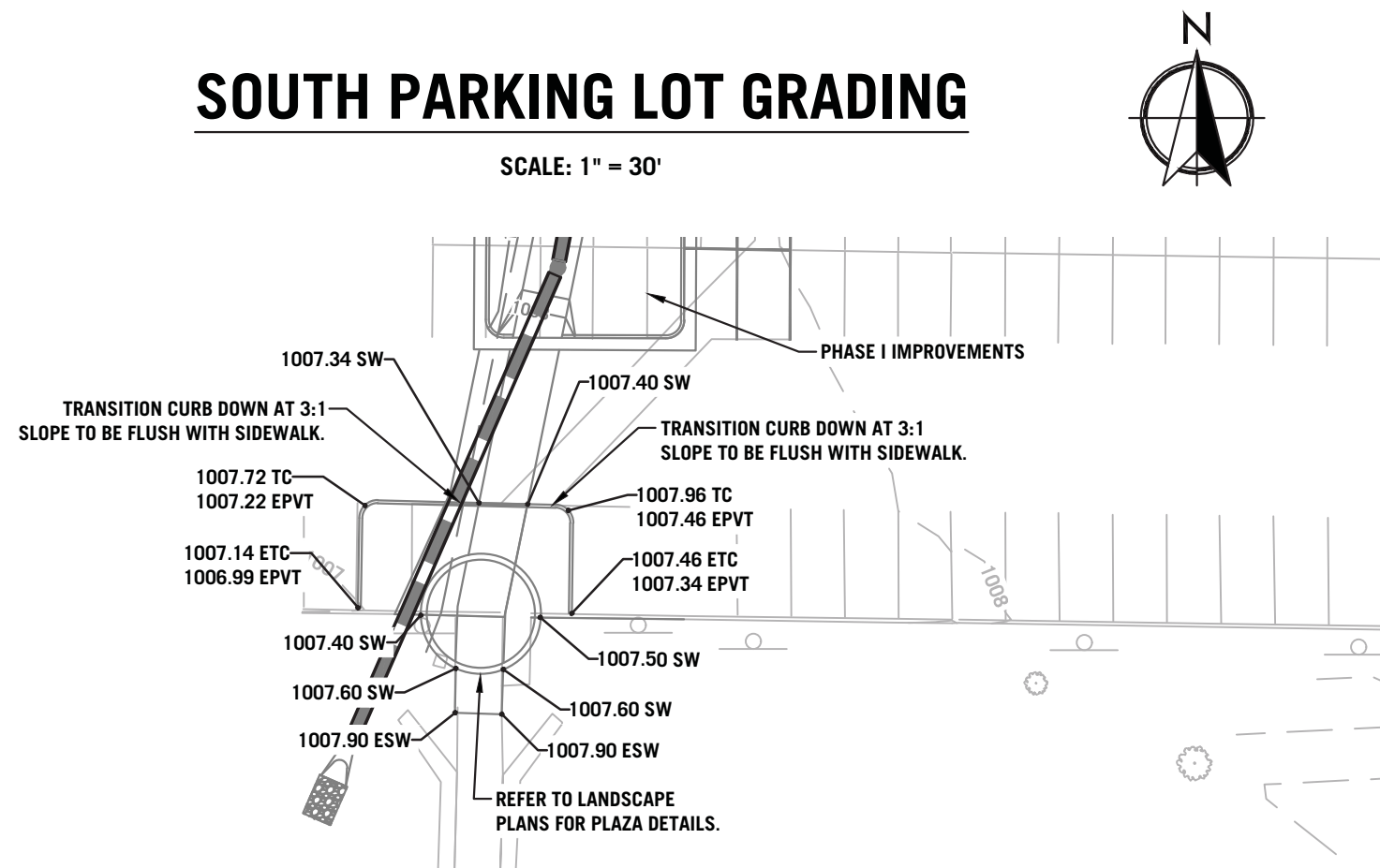
NORTH PARKING LOT GRADING

SCALE: 1" = 20'



SOUTH PARKING LOT GRADING

SCALE: 1" = 30'



SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

980 EXISTING GRADE LINES

980 PROPOSED NEW GRADE LINES

NEW SPOT ELEVATIONS LIST	ABBREVIATION
GRADE	NONE
SIDEWALK	SW
TOP OF WALL	TW
TOP OF CURB	TC
BACK OF CURB	BC
TOP OF PAVEMENT	PVT
TOP OF BANK	TB
NEW GRADE	GD
CONCRETE	CONC
EXISTING TOP OF CURB	ETC
EXISTING GRADE	EG
EXISTING PAVEMENT	EPVT
EXISTING GRAVEL	EGRV
EXISTING SIDEWALK	ESW
BUILDING FINISH FLOOR	FFE



ENGINEERS, SURVEYORS, LABORATORIES • DRILLING
3950 NEWMAN ROAD
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PHONE (417) 926-7336
FAX (417) 926-7337
ANDERSON ENGINEERING# LC-62 • CODY WHITE, PE-2010016007

DRAWING NO. JOP-100-6043
JOB NO. JOP-100-6043
SHEET NUMBER

PROJECT DESCRIPTION

C12 MSSU CAMPUS IMPROVEMENTS GRADING DETAILS

PROJECT NUMBER: 3950 NEWMAN ROAD JOPLIN, MO 64801

DATE: 06/25/21

PROJECT ARCHITECT: JIS

DRAWN BY: LDE

CHECKED BY: CRW

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-201600415

REVISION SCHEDULE

PARAGON ARCHITECTURE

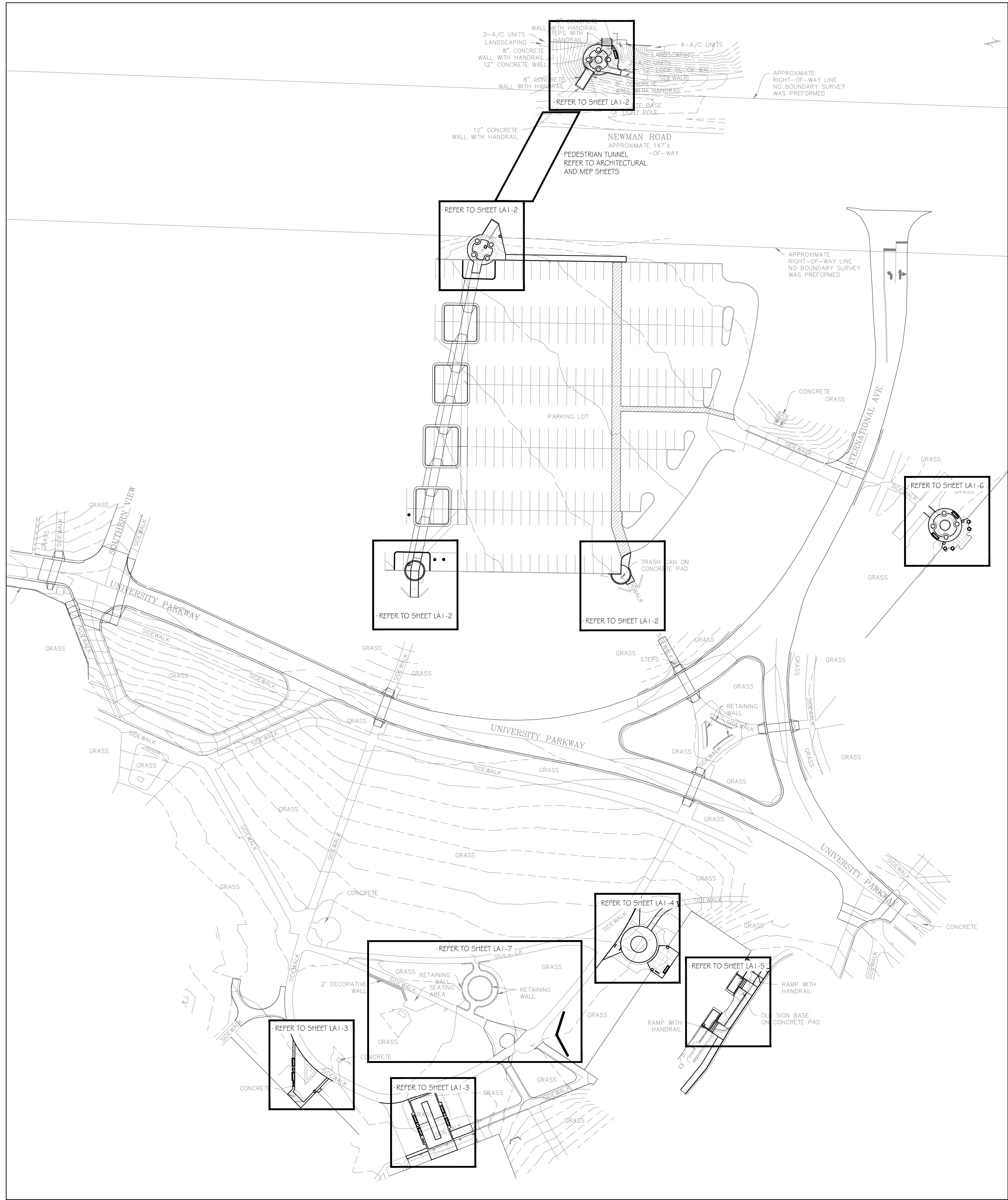
637 COLLEGE STREET, SPRINGFIELD, MO 65806

PH: 417.885.0002

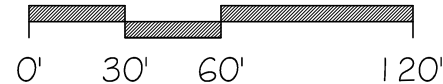
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1 OVERALL COORDINATION PLAN
1"=60'-0"



ALTERNATES

- A4** ALTERNATE 4: MSSU LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS AS SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD MSSU LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.
- A5** ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS AS SHOWN ON PLANS. REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.
- A6** ALTERNATE 6: SEAT WALL AT REYNOLDS PLAZA
BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 1 SHT. LA2-3
ALTERNATE BID: PROVIDE SEAT WALL. REFER TO DET. 1, SHT. LA1-1 AND PLAN 2, SHT. LA1-3.
- A6** ALTERNATE 6: SEAT WALLS AT HEARNES WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 2 SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS.REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

DEMOLITION KEYNOTES

- D1** REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA, TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- D2** REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVERS, SCULPTURE OR FURNITURE TO OWNER.
- D3** EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
- D4** EXISTING CALL KIOSK - REFER TO SITE ELECTRICAL PLANS.
- D5** REMOVE BRICK WALLS, FOUNDATIONS, PAVING AND BASE ROCK FROM THIS AREA. SAVE AN ASSORTMENT OF GOOD BRICKS AS DIRECTED BY OWNER FOR REUSE. SAVE ALL MEMORIAL PLAQUES AND RETURN TO OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D6** EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- D7** EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- D8** EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- D9** EXISTING BOLLARD. PROTECT IN PLACE.
- D10** TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- D11** EXISTING TREE. PROTECT IN PLACE.
- D12** EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- D13** EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- D14** REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D15** EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

CONSTRUCTION KEYNOTES

- 1** 4" CONCRETE PAVING, NATURAL COLOR, WITH 6X6XW1.4XW1.4 WWF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- 2** REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- 3** INTERLOCKING PAVES - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X16X6GOMM, RUNNING BOND PATTERN, 4 COLOR BLEND -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 4** INTERLOCKING PAVES - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4X6GOMM, 4X8X6GOMM, 8X8X6GOMM RANDOM PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 5** INTERLOCKING PAVES - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8X6GOMM, HERRINGBONE PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 6** BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- 7** BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- 8** 8' BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- 9** TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- 10** BIKE RACK (NEW) - CBBR-5UR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOOPS, 5 BIKE, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- 11** STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- 12** STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- 13** METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- 14** CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- 15** HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- 16** MSSU LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
- 17** CONCRETE WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- 18** CAPSTONE WALL - REINSTALL OVER 6" COMPACTED BASEROCK. ALL STONE TOPS TO BE FLUSH AND LEVEL, WITH MAX. 1% SLOPE DOWNHILL.
- 19** BIKE RACK - REUSE EXISTING. MOUNT TO CONCRETE SURFACE WITH STAINLESS STEEL BOLTS.
- 20** 8' BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.

GENERAL CONSTRUCTION NOTES

- CONSTRUCTION SHALL CONFORM TO THE LATEST APPLICABLE DESIGN AND CONSTRUCTION STANDARDS OF THE GOVERNING AUTHORITY, WHETHER IT BE OF COUNTY OR CITY JURISDICTION, AND THE STATE OF MISSOURI, WHICHEVER TAKES PRECEDENCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS, TO BE DONE PRIOR TO THE START OF CONSTRUCTION.
- ALL AREAS DISTURBED BY CONSTRUCTION, AND NOT INDICATED TO RECEIVE ANY OTHER FORM OF SURFACE TREATMENT SHALL BE DRESSED AND SEEDED TO LAWN IN ACCORDANCE WITH GENERAL PLANTING NOTES.
- UTILITIES SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND MEP DRAWINGS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATION.
- CURVE RADI AND ALL SITE DIMENSIONS ARE TAKEN FROM FACE OF CURB.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PAVEMENT TO REMAIN AND INSURE THAT PROPOSED PAVEMENT ALIGNS WITH EXISTING PAVEMENT AT ALL CONNECTION POINTS ESPECIALLY BUILDING ENTRANCES.

GENERAL DEMOLITION NOTES

- FIELD VERIFY THE LOCATION AND DEPTHS OF ALL EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD, RECTIFY ANY DAMAGES TO SAID UTILITIES DURING CONSTRUCTION OPERATIONS.
- NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OBSTRUCTIONS OCCURRING WITH EXISTING UTILITIES.
- REFER TO ARCHITECTURAL PLANS FOR SPECIAL BUILDING FEATURES NOT SHOWN ON THIS PLAN.
- COORDINATE ALL UTILITY CONNECTIONS WITH ARCHITECTURAL AND ENGINEERING PLANS. LOCATION OF NEW METERS, SANITARY LINES, SERVICE CONNECTIONS ARE NOT PART OF THIS PLAN.
- COORDINATE WITH CITY UTILITIES AND THE PUBLIC WORKS DEPARTMENT FOR ALL NEW SERVICE CONNECTIONS.
- PROTECT IN PLACE ALL EXISTING TREES UNLESS NOTED OTHERWISE.
- REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

GENERAL GRADING NOTES

- ALL UTILITIES ARE SHOWN FOR REFERENCE ONLY. REFER TO SITE SURVEY, MEP AND ARCHITECTURAL DRAWINGS FOR EXISTING AND PROPOSED UTILITY LOCATIONS AND INFORMATION. COORDINATE ALL UTILITY CONNECTIONS WITH MEP AND ARCHITECTURAL DRAWINGS. LOCATION OF NEW METERS, SANITARY LINES, AND SERVICE CONNECTIONS ARE NOT PART OF THIS PLAN. COORDINATE WITH LOCAL UTILITY PROVIDERS AND THE PUBLIC WORKS DEPARTMENT FOR ALL NEW SERVICE CONNECTIONS.
- REMOVE TOPSOIL FROM THE AREA TO BE GRADED, INCLUDING THE BUILDING AREA, AND STOCKPILE ON THE PREMISES FOR USE IN FINISH GRADING. TOP SOIL REMAINS THE PROPERTY OF THE OWNER.
- ALL AREAS DISTURBED BY CONSTRUCTION, AND NOT INDICATED TO RECIEVE ANY OTHER FORM OF SURFACE TREATMENT SHALL BE DRESSED AND SEEDED TO LAWN IN ACCORDANCE WITH LANDSCAPE SPECIFICATIONS AND GENERAL GRASS SEEDING NOTES.
- PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.
- MAINTAIN GRADE/PAVING A MINIMUM OF 4" BELOW FACE OF EXPOSED CONCRETE AT LOCATIONS AROUND THE PERIMETER AND EXTERIOR COLUMNS. MAINTAIN MINIMUM IF 6" AT ALL OTHER LOCATIONS.
- SLOPE ALL PAVEMENT FOR ADEQUATE DRAINAGE. FOR ALL SIDEWALKS, RUNNING SLOPE IS NOT TO EXCEED 5% AND CROSS SLOPE IS NOT TO EXCEED 2% IN ANY DIRECTION.



MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415



6/25/21

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AND SHALL BE USED ONLY FOR THE PROJECT REFERENCE BELOW

LA1-0 21-623 Missouri Southern State University Campus Improvements - Phase II **PARAGON**

SITE CONSTRUCTION PLAN - OVERALL COORDINATION

PROJECT NUMBER: 21-623

3950 NEWMAN ROAD
JOPLIN, MO 64801

PROJECT ARCHITECT: JS

DRAWN BY: JZ

CHECKED BY: JSFZ

DATE: 6/25/21

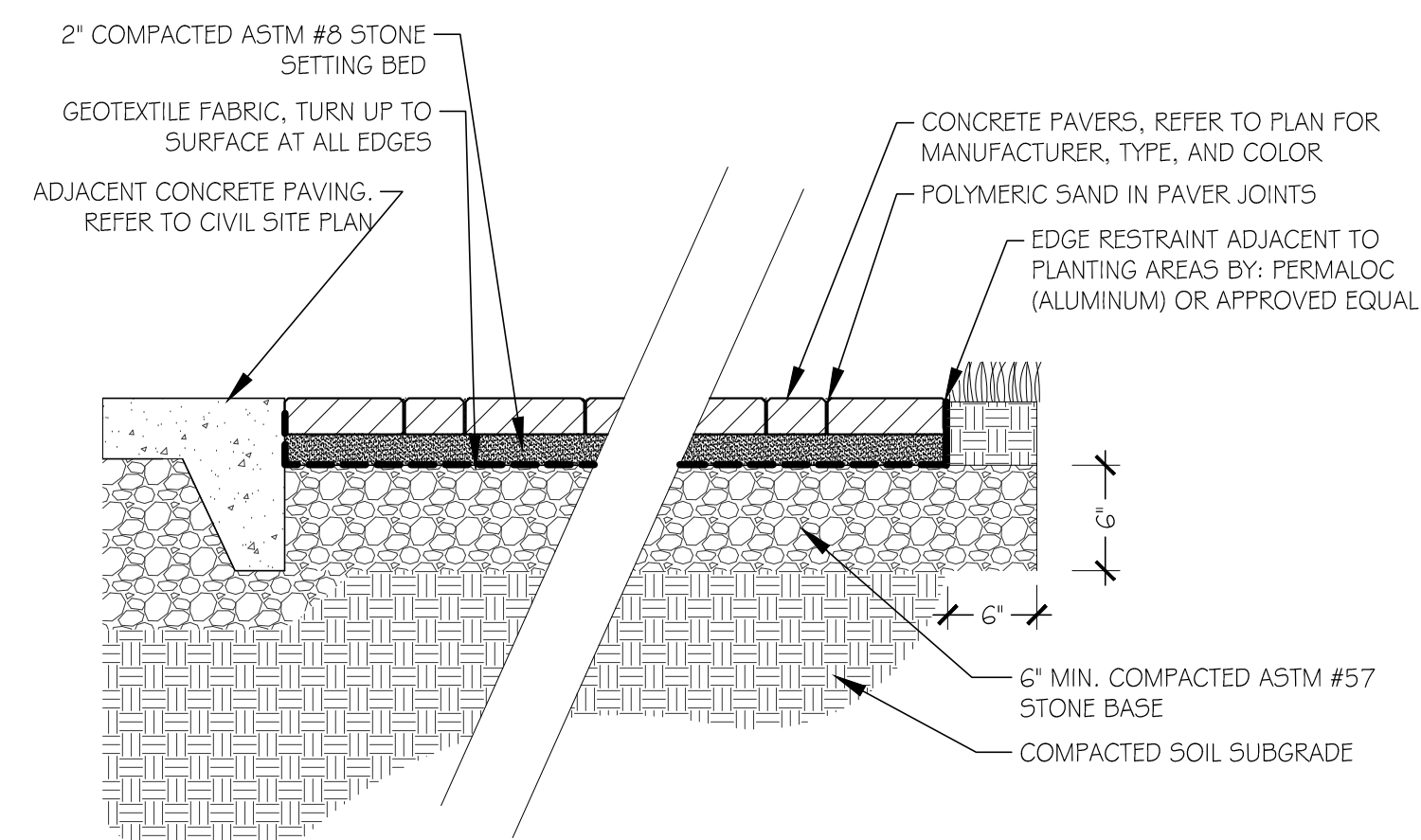
PARAGON ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65806

PH: 417.885.0002
www.paragonarchitecture.com



205 PARK CENTRAL EAST, SUITE 406
SPRINGFIELD, MO 65806
(417) 549-5753



QUARRIED ROCK CURB, 4" WIDE.
8" TALL, APPROX. 24" LONG

LANDSCAPE AREA

2"

4"

4"

COMPACTED BASE ROCK

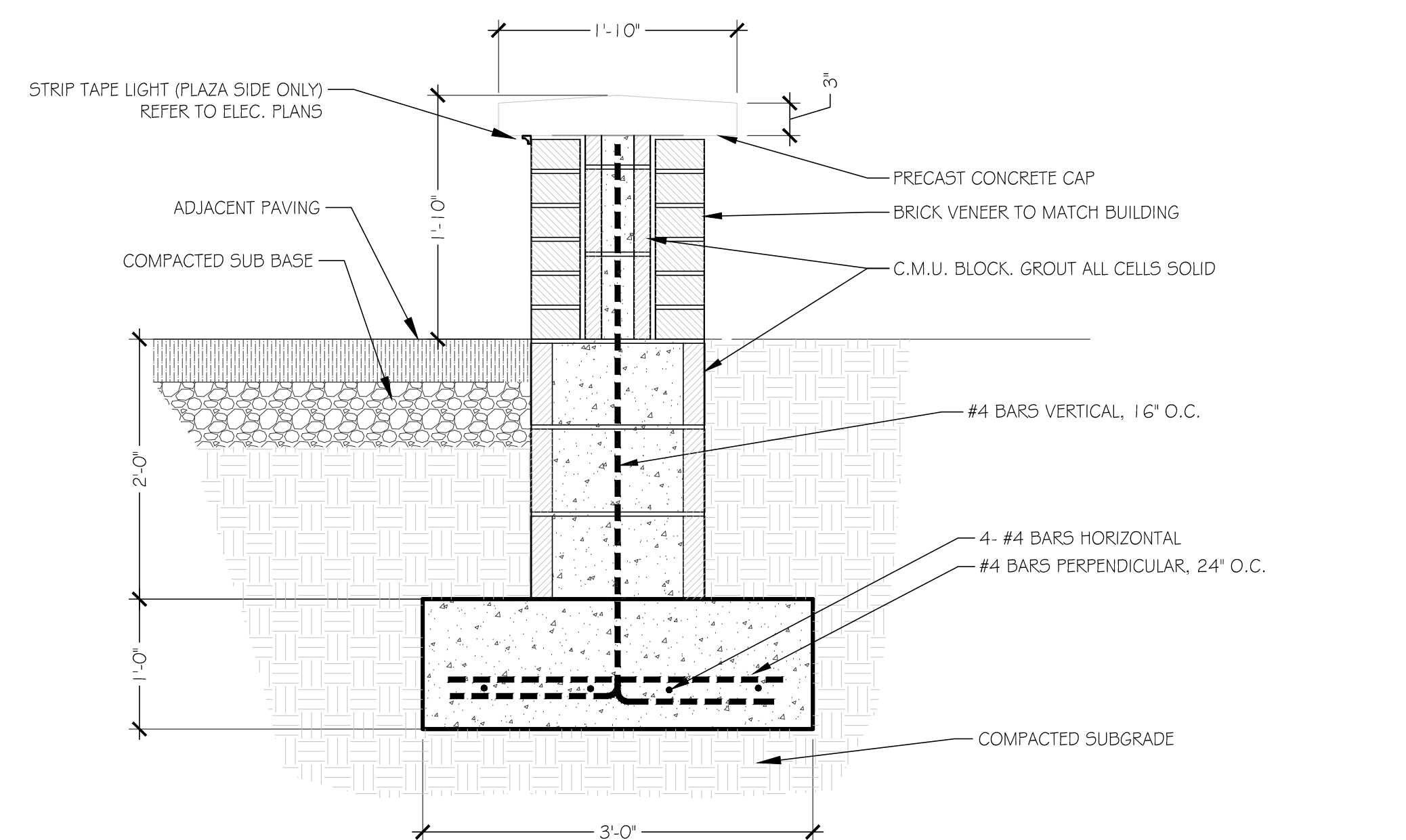
ADJACENT SUBGRADE

This diagram illustrates a cross-section of a landscape area. On the left, a vertical line represents the ground surface. To the right of this line is a hatched area labeled 'ADJACENT SUBGRADE'. Further right is a cross-hatched area labeled 'COMPACTED BASE ROCK'. On top of the compacted base rock is a layer of small circles, representing a landscape area. To the right of this layer is a vertical section of a 'QUARRIED ROCK CURB', which is 4 inches wide and 8 inches tall. The curb is shown in a cross-section with a hatched pattern. Dimensions are indicated with arrows: a 2-inch dimension for the top layer of the curb, a 4-inch dimension for the height of the curb, and a 4-inch dimension for the width of the curb. The landscape area is shown as a sloped surface to the right of the curb.

Technical drawing of a concrete curb and gutter cross-section. The drawing shows a concrete curb on a compacted subgrade, with a sloped top surface and a vertical face. Reinforcement includes #4 bars in the top slab and #4 nosing bars along the edge. Dimensions include a 12-inch top width, a 1/8 inch slope, and a 3/4 inch radius. The curb is shown adjacent to a pavement layer and a compacted base rock. A dashed line indicates the curb's profile. A note at the bottom left reads "CONCRETE STEPS".

Labels and dimensions:

- #4 BARS, 12" O.C. E.W.
- 1/8" PER FT. SLOPE, TYP.
- 3/4" R. TYP.
- TREAD REFER TO PLANS
- 12"
- 1 1/4"
- CAULKED AND PINNED (24" O.C.) EXP. JT. (TOP AND BOTTOM)
- ADJACENT PAVEMENT REFER TO PLAN
- COMPACTED BASE ROCK
- COMPACTED SUBGRADE
- CONCRETE STEPS



PLAN VIEW

6'-0"

10'-0"

BRICK VENEER
CMU BLOCK WALL

3'-0"

4'-0"

2'-0"

1'-0"

4'-12"

PRECAST CONCRETE CAP

STRIP TAPE LIGHT (PLAZA SIDE ONLY)
REFER TO ELEC. PLANS

BRICK VENEER TO MATCH BUILDING

ADJACENT PAVING

COMPACTED SUB BASE

COMPACTED SUBGRADE

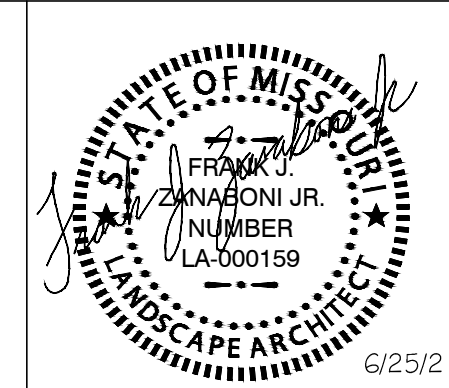
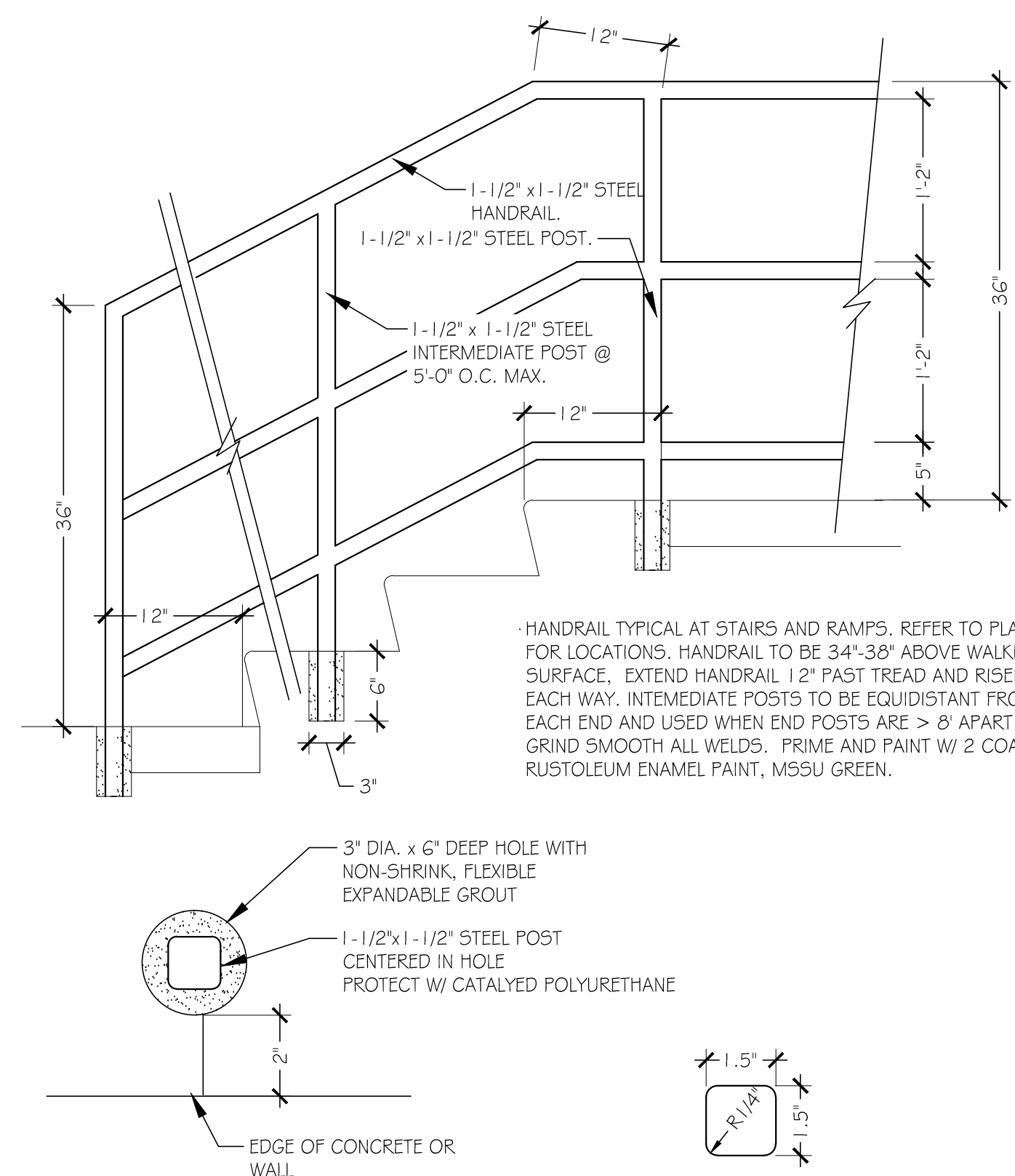
3- #4 BARS HORIZONTAL

C.M.U. BLOCK, GROUT ALL CELLS SOLID

#5 BARS VERTICAL, 16" O.C.

6- #4 BARS HORIZONTAL

#4 BARS PERPENDICULAR, 24" O.C.



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ARA GON

637 COLLEGE STREET, SPRINGFIELD, MO 65806

PH: 417.885.0002
www.paragonarchitecture.com

FRANK Z DESIGN
LANDSCAPE ARCHITECTURE

205 PARK CENTRAL EAST, SUITE 406
 CHICAGO, IL 60601-1000

ENTRAL EAST, SUITE
NGFIELD, MO 65806
(417) 849-3723

PROJECT DESCRIPTION:

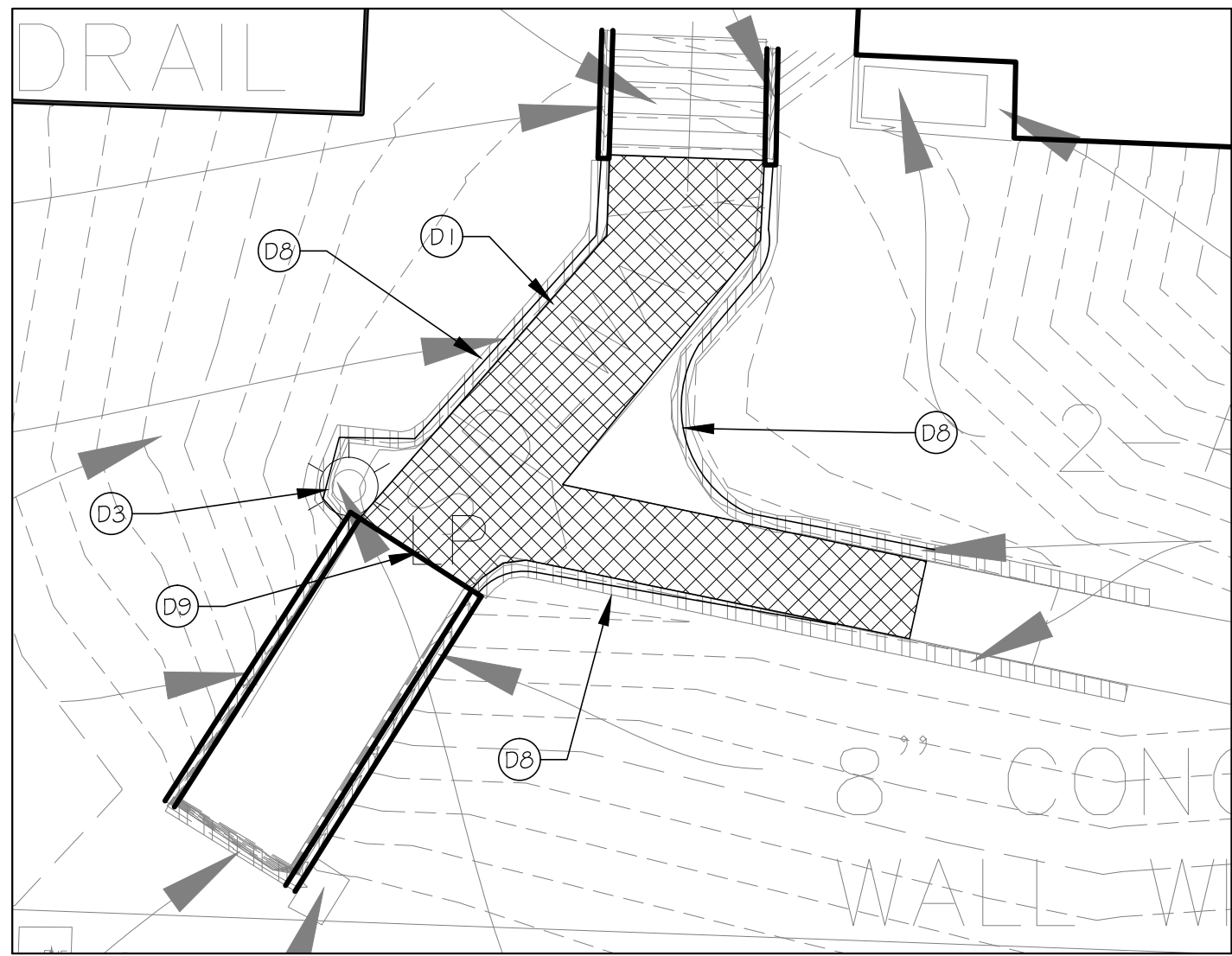
LA1-1 21-623 Missouri
SITE CONSTRUCTION - DETAILS

33950 NEWMAN ROAD
JOPLIN, MO 64801

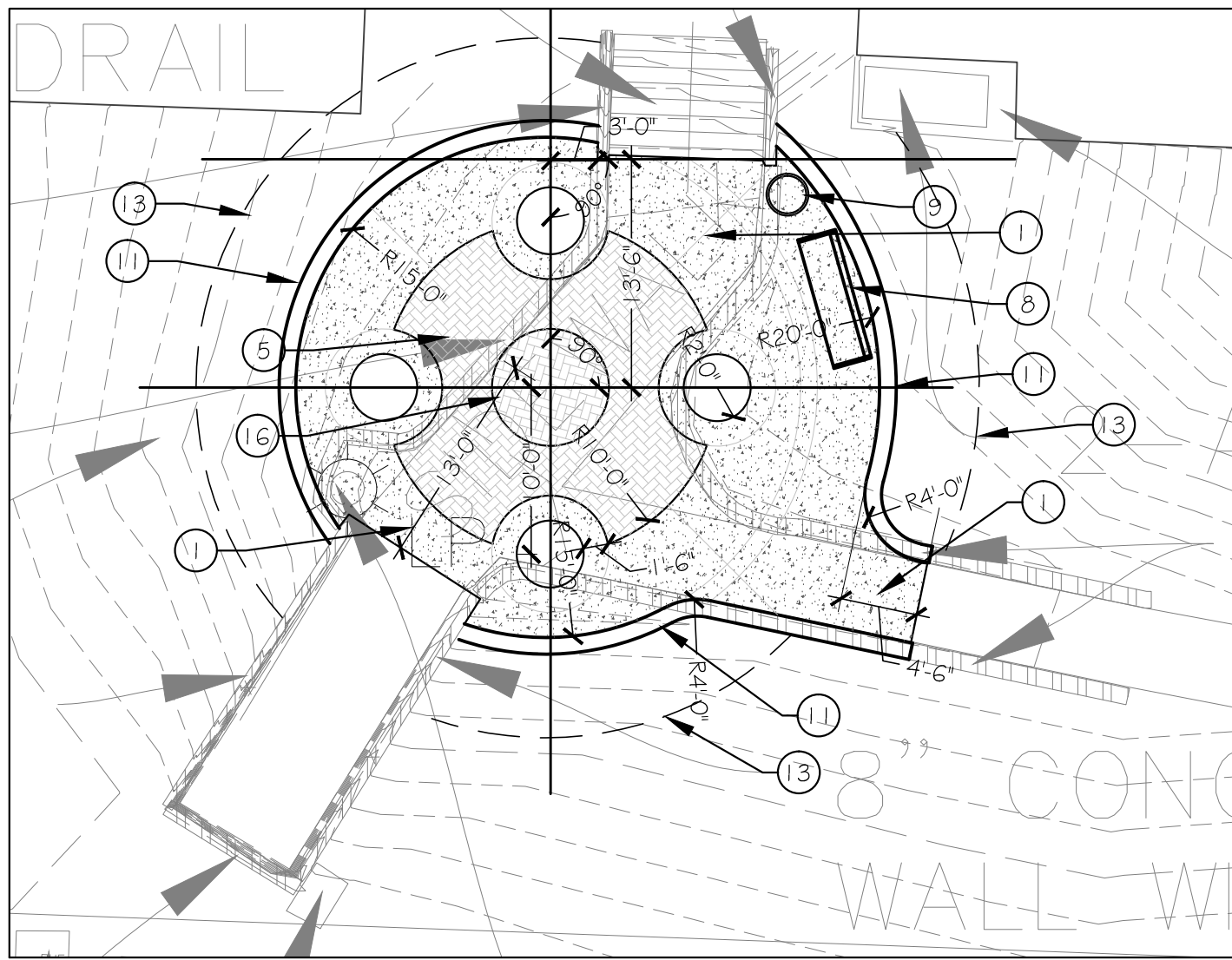
PROJECT ARCHITECT: JS

6/25/21

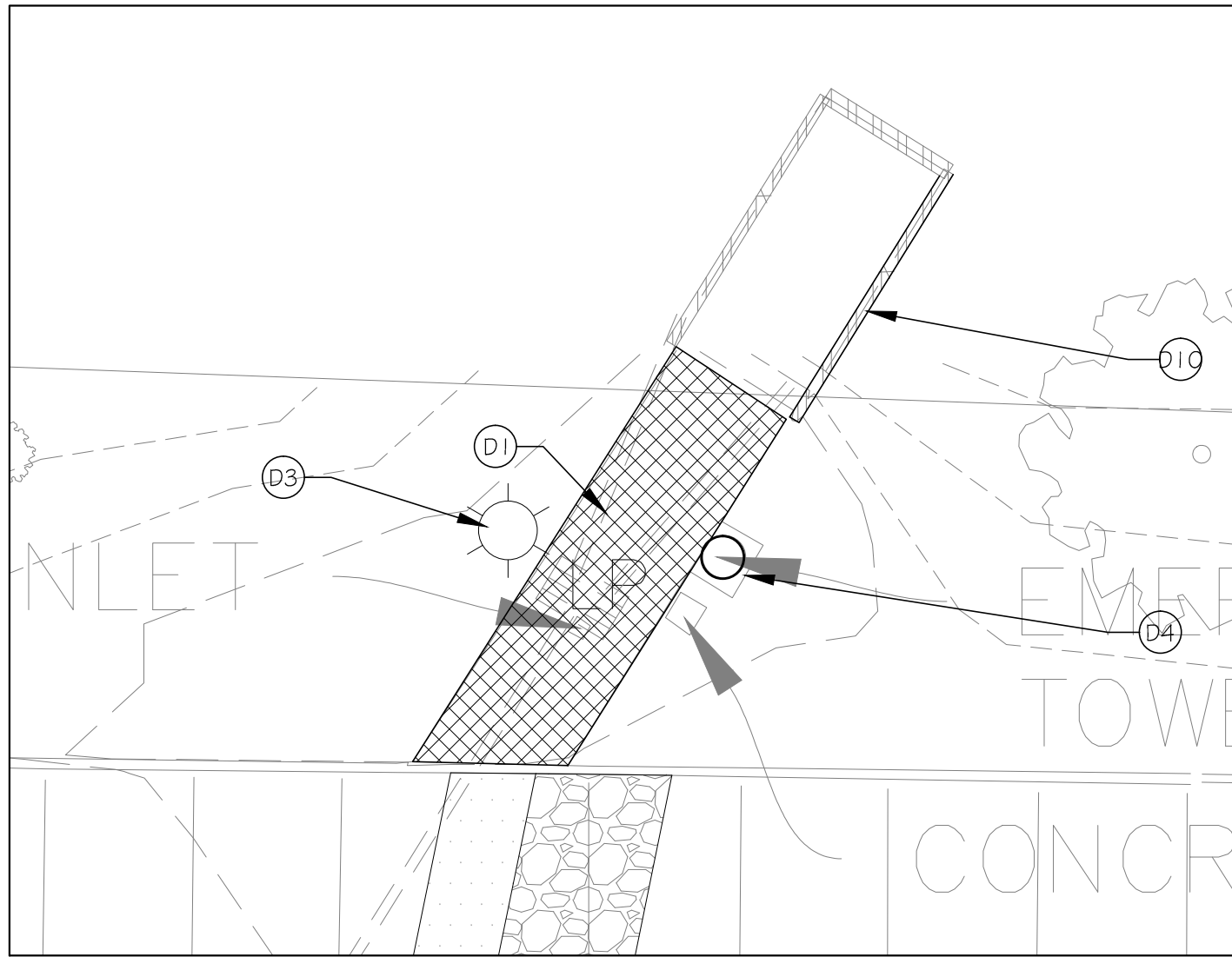
6/25/21



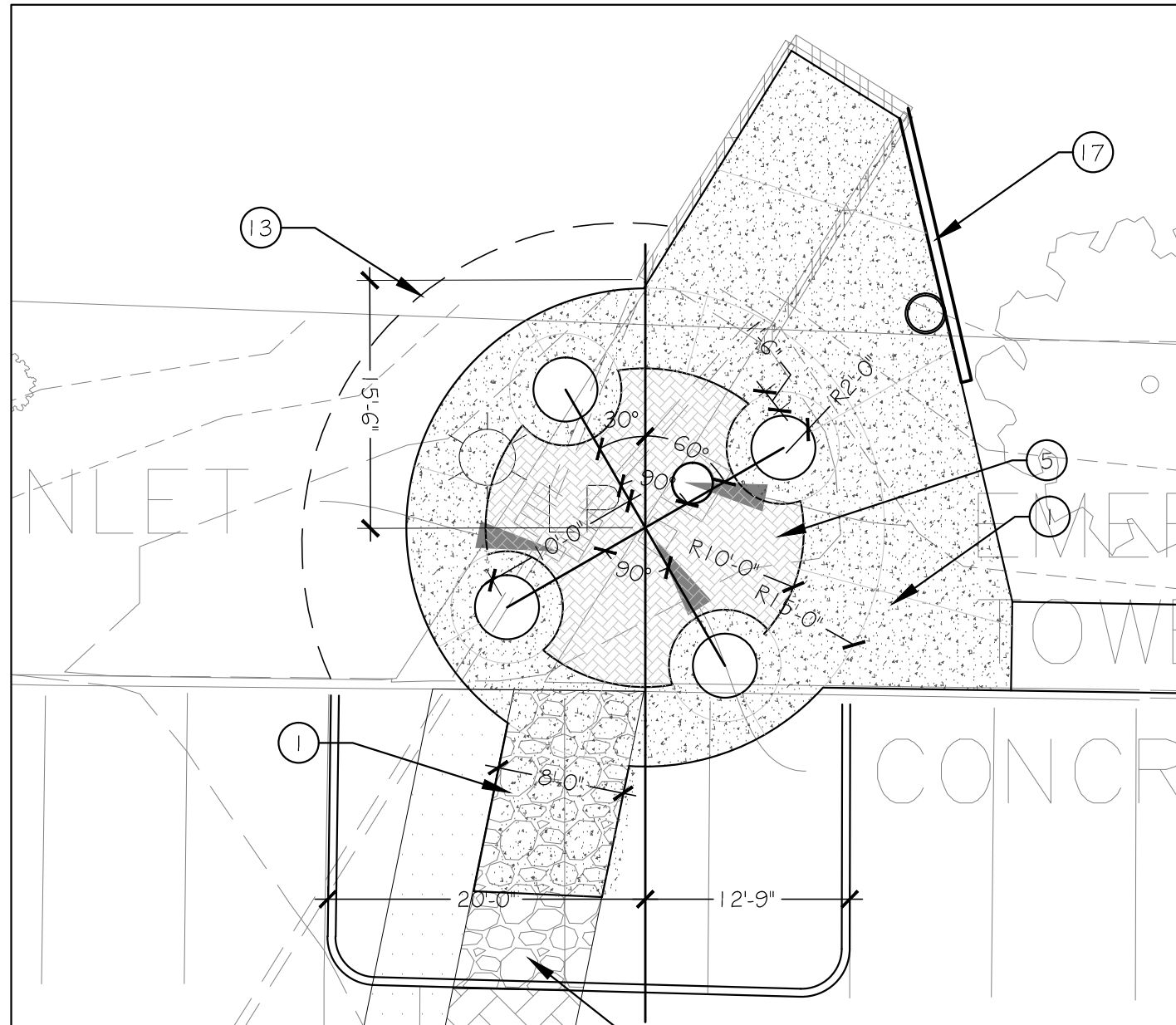
4 DEMOLITION PLAN - TUNNEL NORTH
1"=10'-0"



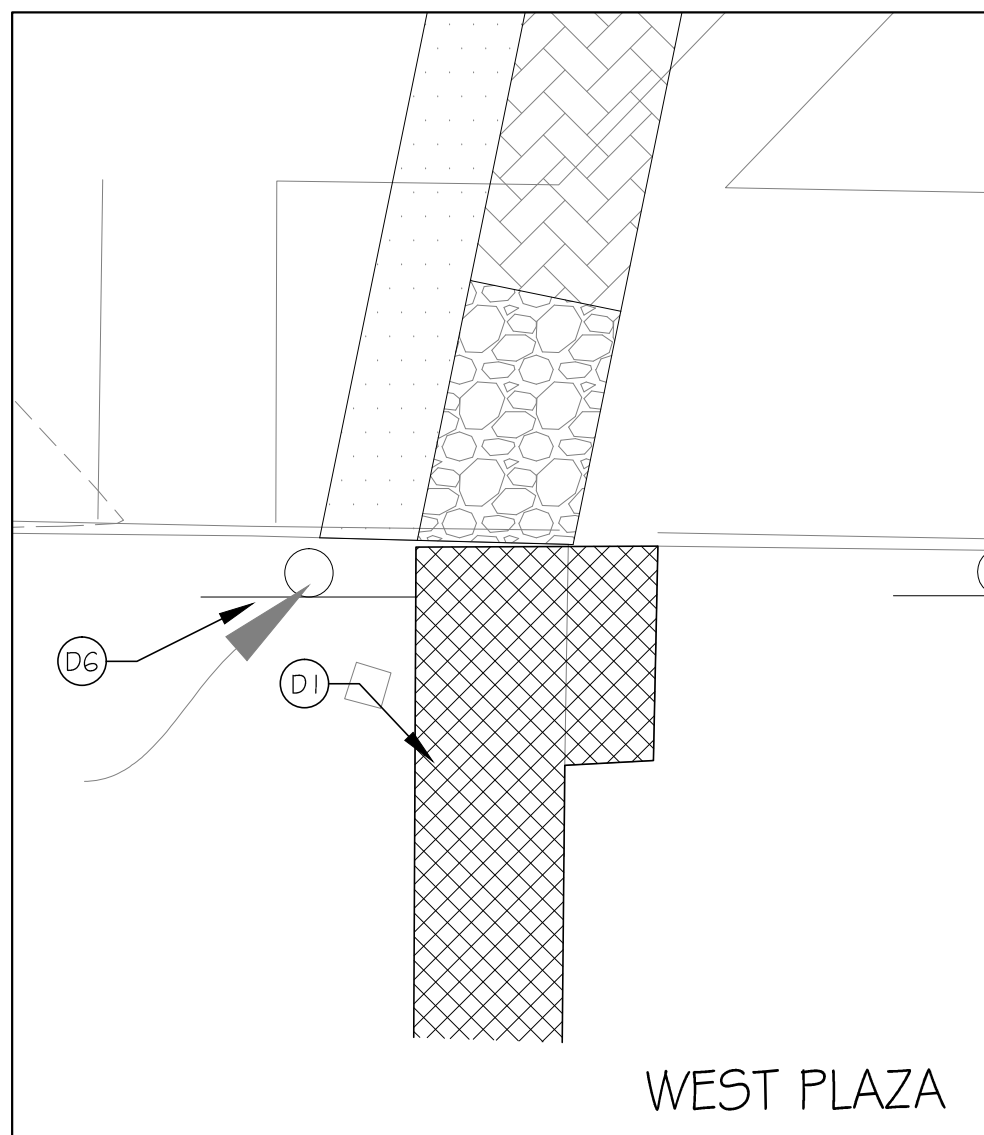
1 CONSTRUCTION PLAN - TUNNEL NORTH
1"=10'-0"



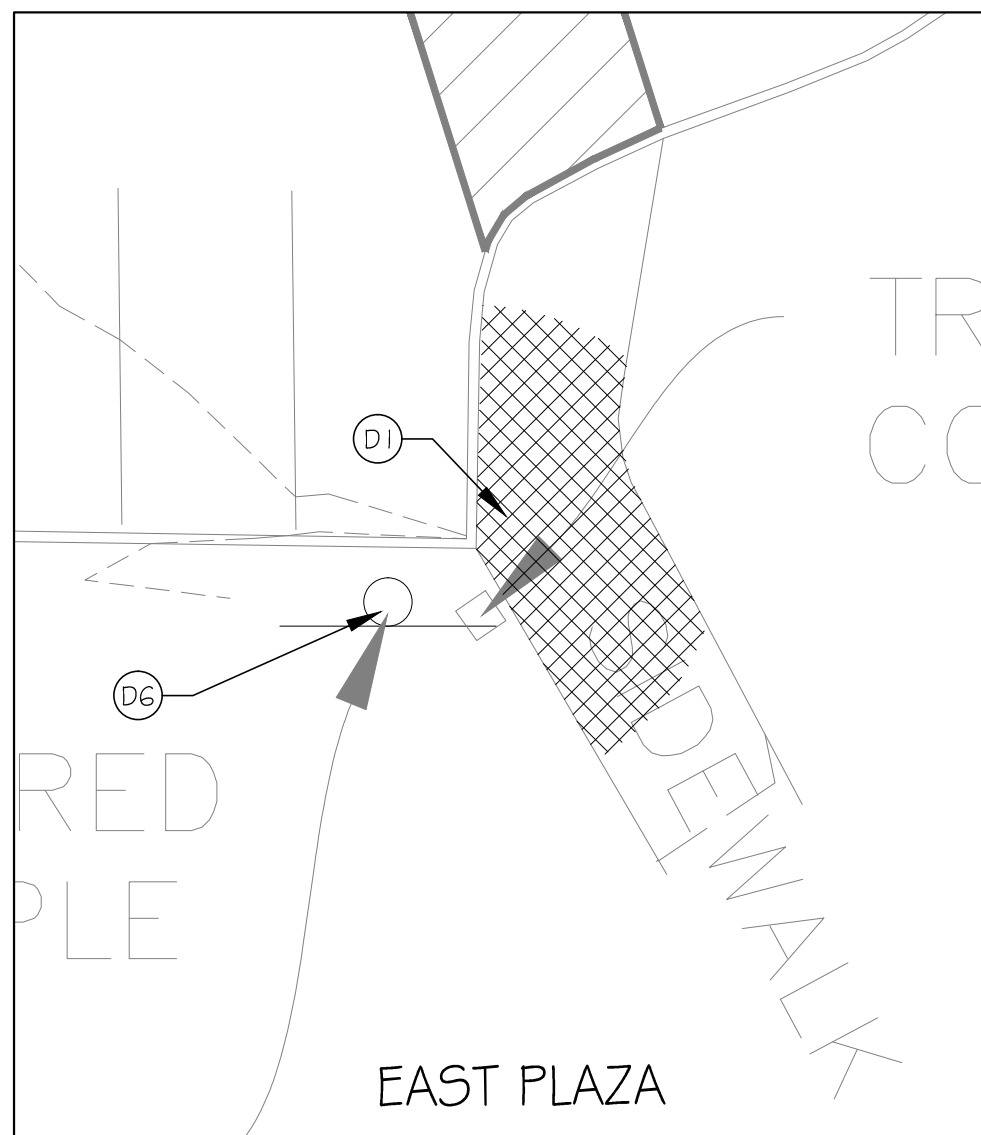
5 DEMOLITION PLAN - TUNNEL NORTH
1"=10'-0"



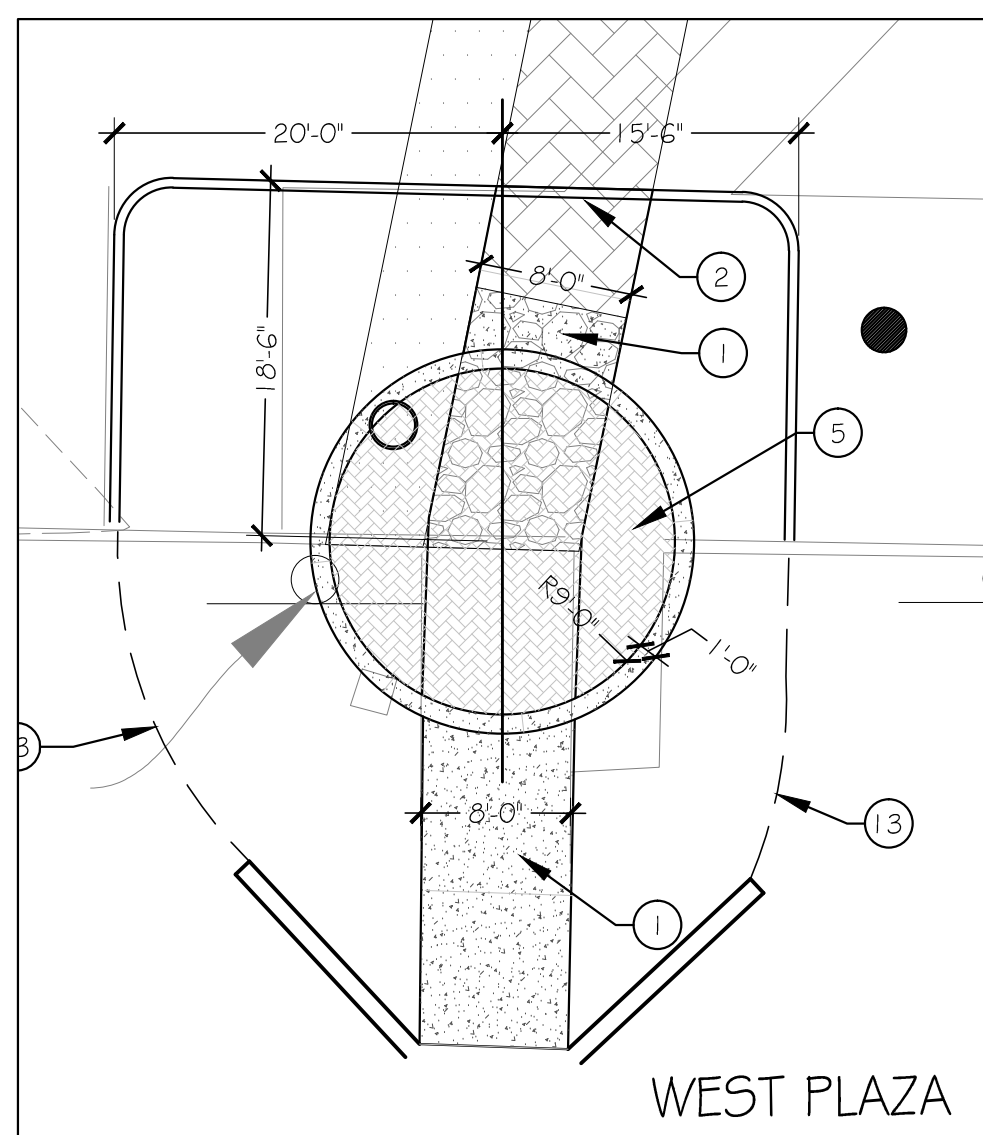
2 CONSTRUCTION PLAN - TUNNEL NORTH
1"=10'-0"



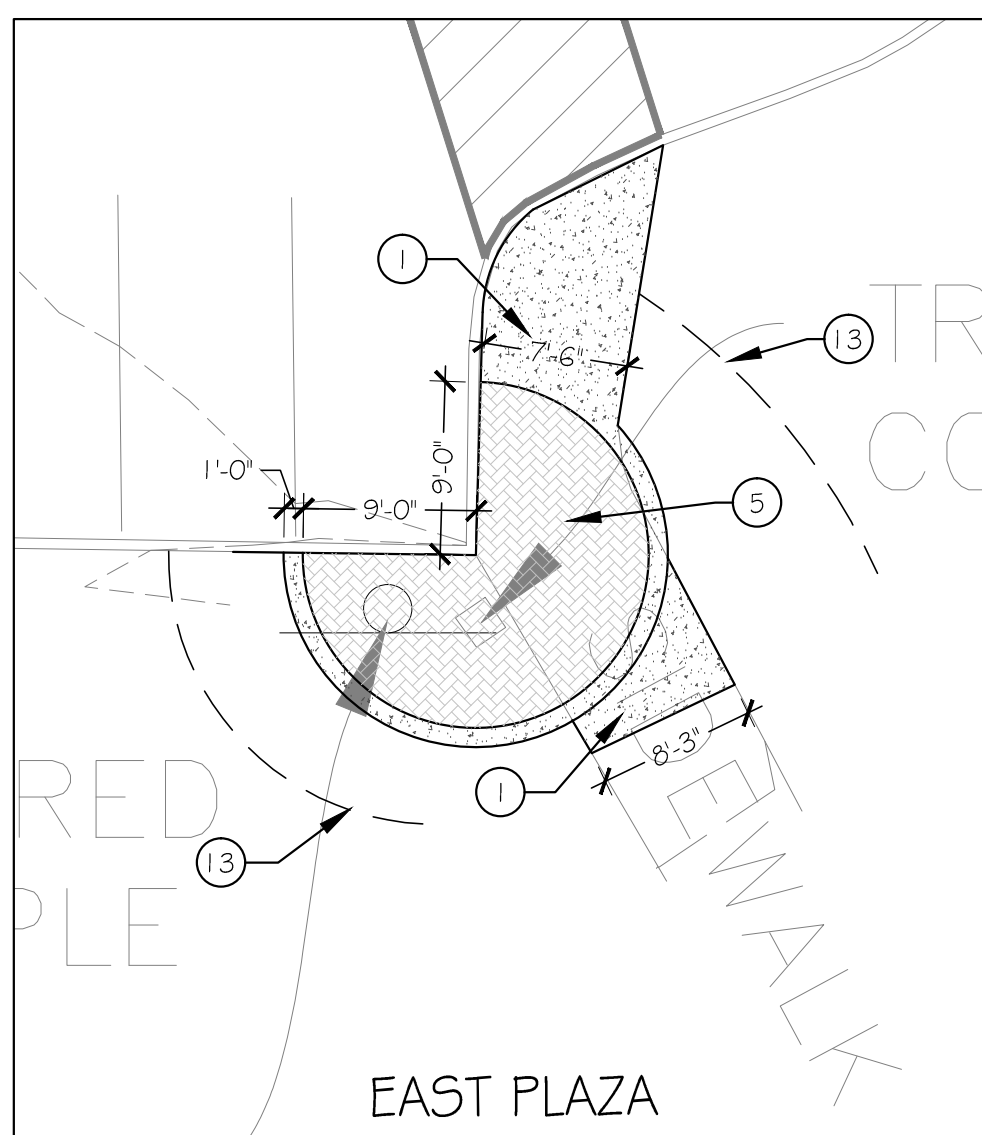
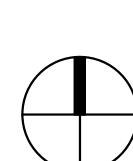
6 DEMOLITION PLAN - PARKING LOT SOUTH PLAZAS
1"=10'-0"



EAST PLAZA
ALTERNATE #5



3 CONSTRUCTION PLAN - PARKING LOT SOUTH PLAZAS
1"=10'-0"



EAST PLAZA
ALTERNATE #5

ALTERNATES

- A4** ALTERNATE 4: MSSU LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS AS SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD MSSU LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.
- A5** ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS AS SHOWN ON PLANS, REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.
- A6** ALTERNATE 6: SEAT WALL AT REYNOLDS PLAZA
BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 1, SHT. LA2-3
ALTERNATE BID: PROVIDE SEAT WALL, REFER TO DET. 1, SHT. LA1-1 AND PLAN 2, SHT. LA1-3.
- A6** ALTERNATE 6: SEAT WALLS AT HEARNES WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 2, SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS.REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

DEMOLITION KEYNOTES

- D1** REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA, TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- D2** REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVERS, SCULPTURE OR FURNITURE TO OWNER.
- D3** EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
- D4** EXISTING CALL KIOSK - REFER TO SITE ELECTRICAL PLANS.
- D5** REMOVE BRICK WALLS, FOUNDATIONS, PAVING AND BASE ROCK FROM THIS AREA. SAVE AN ASSORTMENT OF GOOD BRICKS AS DIRECTED BY OWNER FOR REUSE. SAVE ALL MEMORIAL PLAQUES AND RETURN TO OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D6** EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- D7** EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- D8** EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- D9** EXISTING BOLLARD. PROTECT IN PLACE.
- D10** TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- D11** EXISTING TREE. PROTECT IN PLACE.
- D12** EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- D13** EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- D14** REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D15** EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

CONSTRUCTION KEYNOTES

- 1** 4" CONCRETE PAVING, NATURAL COLOR, WITH 6X6XW1.4XW1.4 WWF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- 2** REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- 3** INTERLOCKING PAVER - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X16X60MM, RUNNING BOND PATTERN, 4 COLOR BLEND - OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 4** INTERLOCKING PAVER - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4X60MM, 4X8X60MM, 8X8X60MM RANDOM PATTERN, 3 COLOR COMBINATION - OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 5** INTERLOCKING PAVER - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8X60MM, HERRINGBONE PATTERN, 3 COLOR COMBINATION - OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 6** BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- 7** BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- 8** 8' BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- 9** TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- 10** BIKE RACK (NEW) - CBBR-SUR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOOPS, 5 BIKE, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- 11** STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- 12** STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- 13** METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- 14** CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- 15** HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- 16** MSSU LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
- 17** CONCRETE WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- 18** CAPSTONE WALL - REINSTALL OVER 6" COMPACTED BASEROCK. ALL STONE TOPS TO BE FLUSH AND LEVEL, WITH MAX. 1% SLOPE DOWNHILL.
- 19** BIKE RACK - REUSE EXISTING. MOUNT TO CONCRETE SURFACE WITH STAINLESS STEEL BOLTS.
- 20** 8' BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

LA1-2 21-623 Missouri Southern State University Campus Improvements - Phase II
SITE CONSTRUCTION PLAN

PROJECT NUMBER: 21-623

3950 NEWMAN ROAD
JOPLIN, MO 64801

PROJECT ARCHITECT: JS

DRAWN BY: FZ

CHECKED BY: JSFZ

DATE: 6/25/21

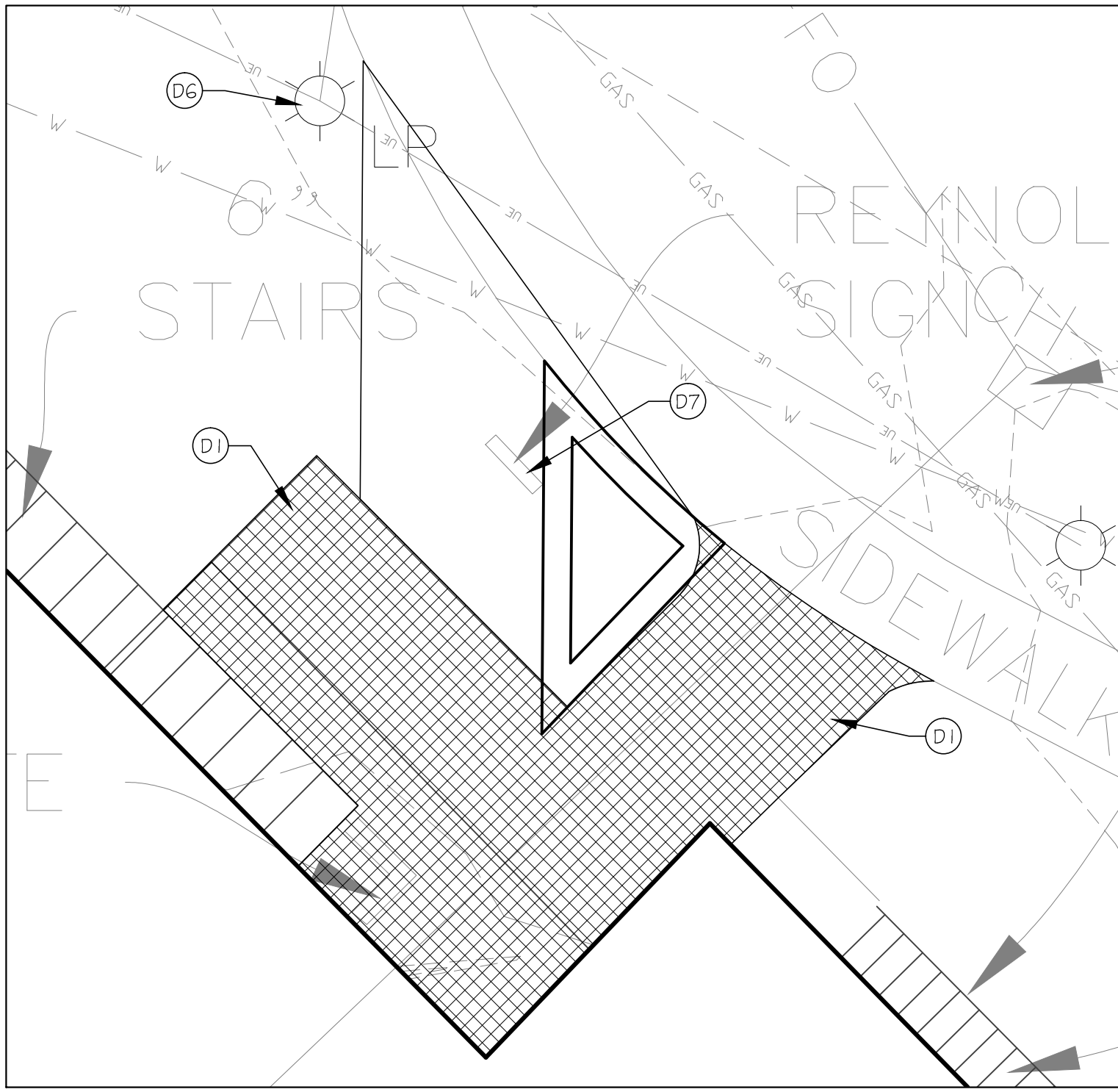
FRANK J. PARAGON
LANDSCAPE ARCHITECTURE

205 PARK CENTRAL EAST, SUITE 406
SPRINGFIELD, MO 65806
(417) 449-5753

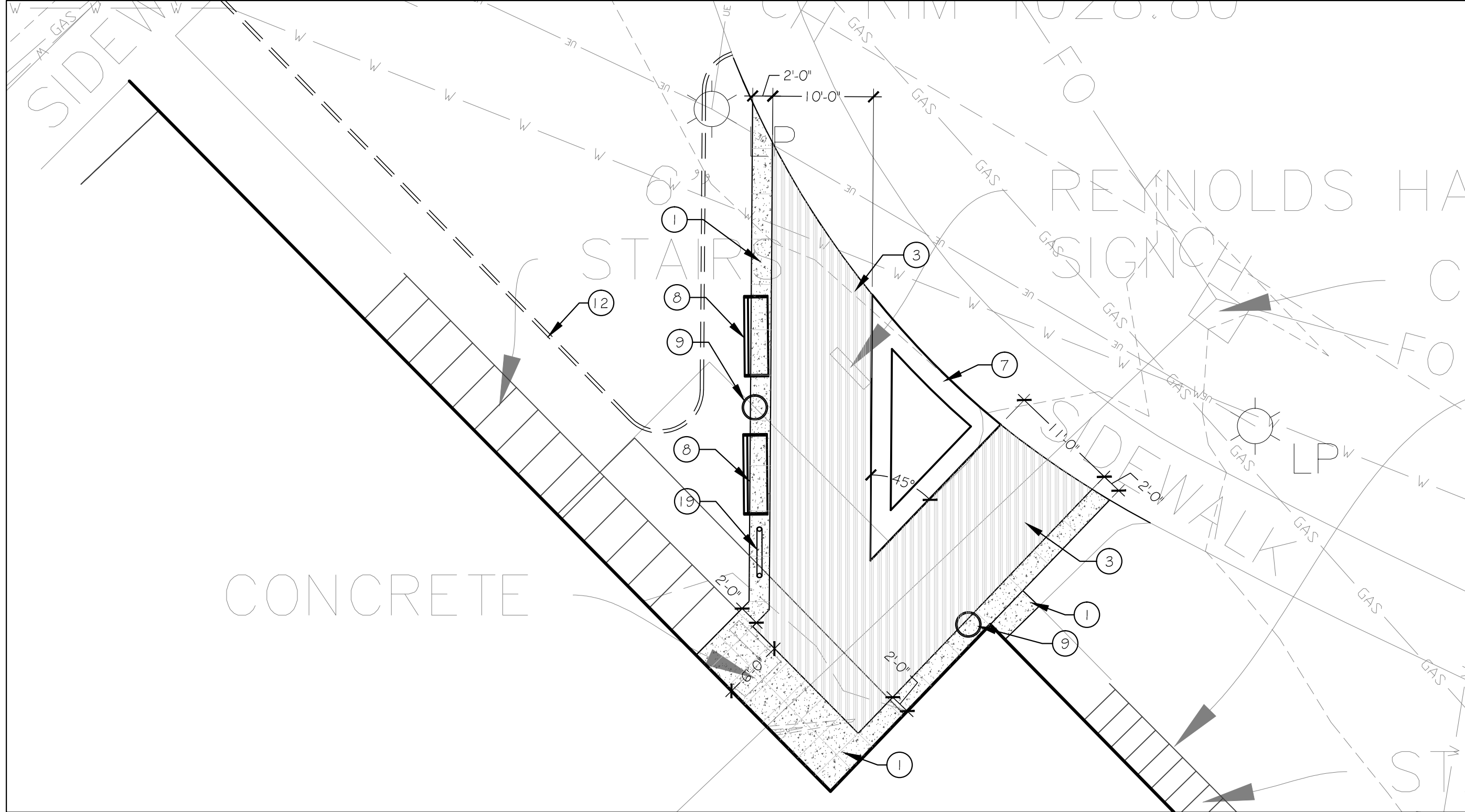


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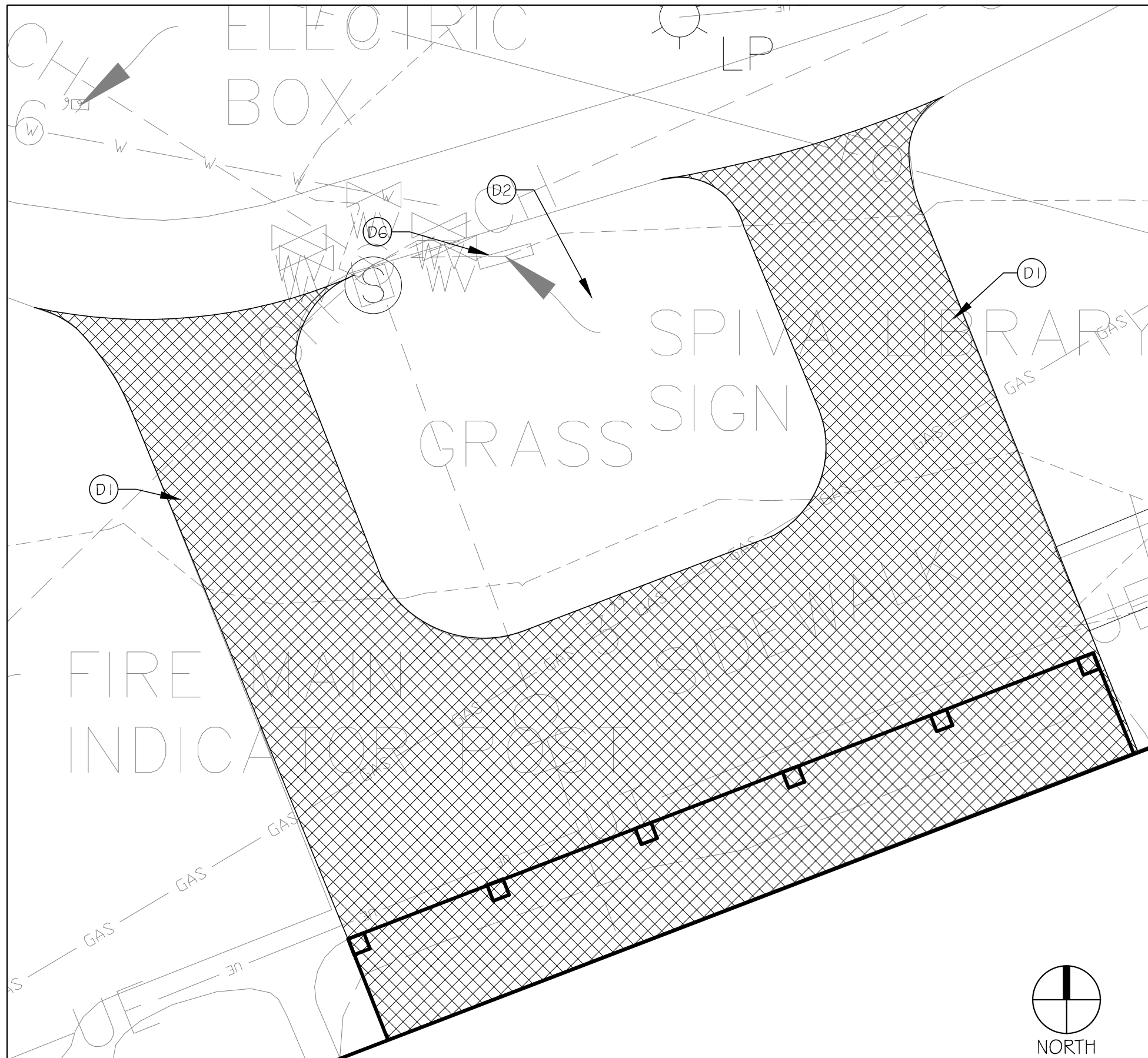
637 COLLEGE STREET, SPRINGFIELD, MO 65806
PH: 417.885.0002
www.paragonarchitecture.com



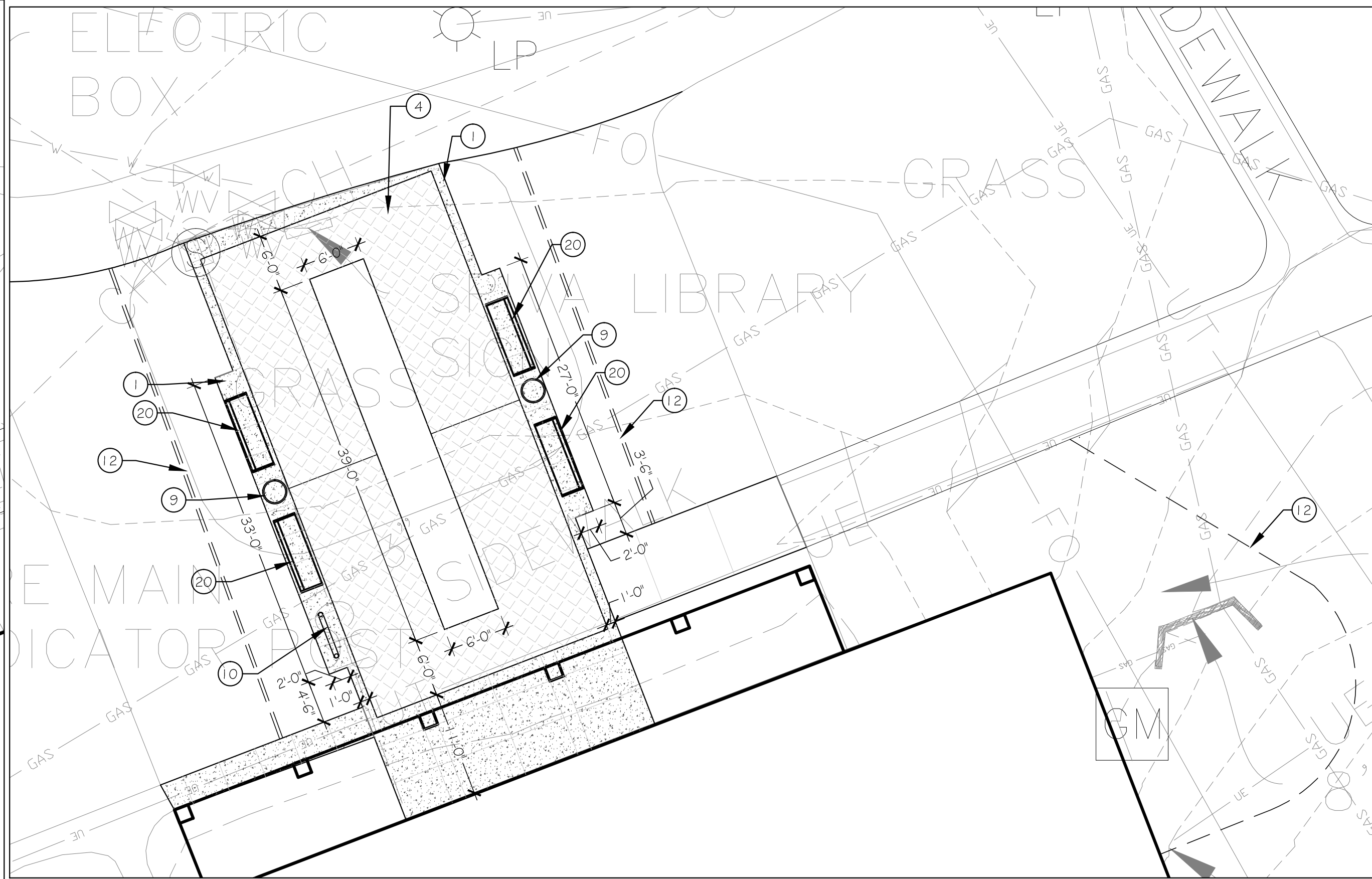
3 SITE DEMOLITION PLAN - REYNOLDS PLAZA
1"=10'-0"



2 SITE CONSTRUCTION PLAN - REYNOLDS PLAZA
1"=10'-0"



4 SITE DEMOLITION PLAN - SPIVA LIBRARY PLAZA
1"=10'-0"



1 SITE CONSTRUCTION PLAN - SPIVA LIBRARY PLAZA
1"=10'-0"

ALTERNATES

- (A4) ALTERNATE 4: MSSU LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS AS SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD MSSU LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.
- (A5) ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS AS SHOWN ON PLANS, REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.
- (A6) ALTERNATE 6: SEAT WALL AT REYNOLDS PLAZA
BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 1 SHT. LA2-3
ALTERNATE BID: PROVIDE SEAT WALL, REFER TO DET. 1, SHT. LA1-1 AND PLAN 2, SHT. LA1-3.
- (A6) ALTERNATE 6: SEAT WALLS AT HEARNES WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 2 SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS,REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

DEMOLITION KEYNOTES

- (D1) REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA. TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- (D2) REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVERS, SCULPTURE OR FURNITURE TO OWNER.
- (D3) EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
- (D4) EXISTING CALL KIOSK - REFER TO SITE ELECTRICAL PLANS.
- (D5) REMOVE BRICK WALLS, FOUNDATIONS, PAVING AND BASE ROCK FROM THIS AREA. SAVE AN ASSORTMENT OF GOOD BRICKS AS DIRECTED BY OWNER FOR REUSE. SAVE ALL MEMORIAL PLAQUES AND RETURN TO OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- (D6) EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- (D7) EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- (D8) EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- (D9) EXISTING BOLLARD, PROTECT IN PLACE.
- (D10) TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- (D11) EXISTING TREE. PROTECT IN PLACE.
- (D12) EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- (D13) EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- (D14) REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- (D15) EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

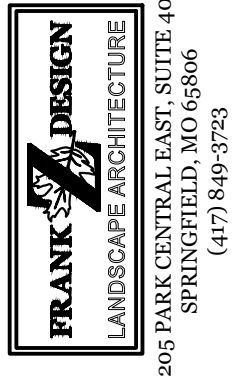
CONSTRUCTION KEYNOTES

- (1) 4" CONCRETE PAVING, NATURAL COLOR, WITH 6X6X1.4XW1.4 WWF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- (2) REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- (3) INTERLOCKING PAVER - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X16X60MM, RUNNING BOND PATTERN, 4 COLOR BLEND -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (4) INTERLOCKING PAVER - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4X60MM, 4X8X60MM, 8X8X60MM RANDOM PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (5) INTERLOCKING PAVER - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8X60MM, HERRINGBONE PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (6) BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- (7) BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- (8) 8" BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- (9) TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- (10) BIKE RACK (NEW) - CBBR-SUR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOOPS, 5 BIKE, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- (11) STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- (12) STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- (13) METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- (14) CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- (15) HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- (16) MSSU LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
- (17) CONCRETE WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- (18) CAPSTONE WALL - REINSTALL OVER 6" COMPACTED BASEROCK. ALL STONE TOPS TO BE FLUSH AND LEVEL, WITH MAX. 1% SLOPE DOWNHILL.
- (19) BIKE RACK - REUSE EXISTING. MOUNT TO CONCRETE SURFACE WITH STAINLESS STEEL BOLTS.
- (20) 8" BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.

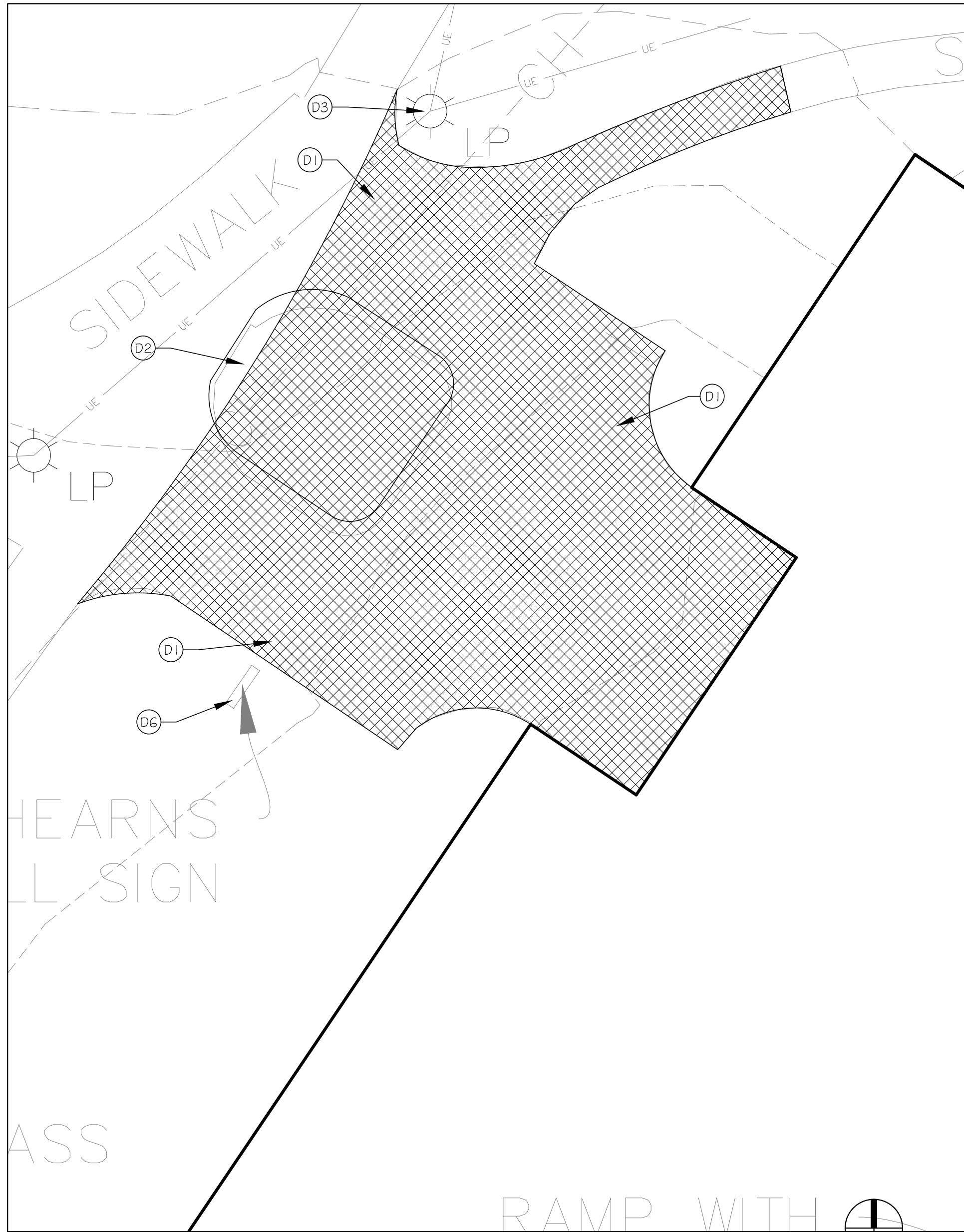


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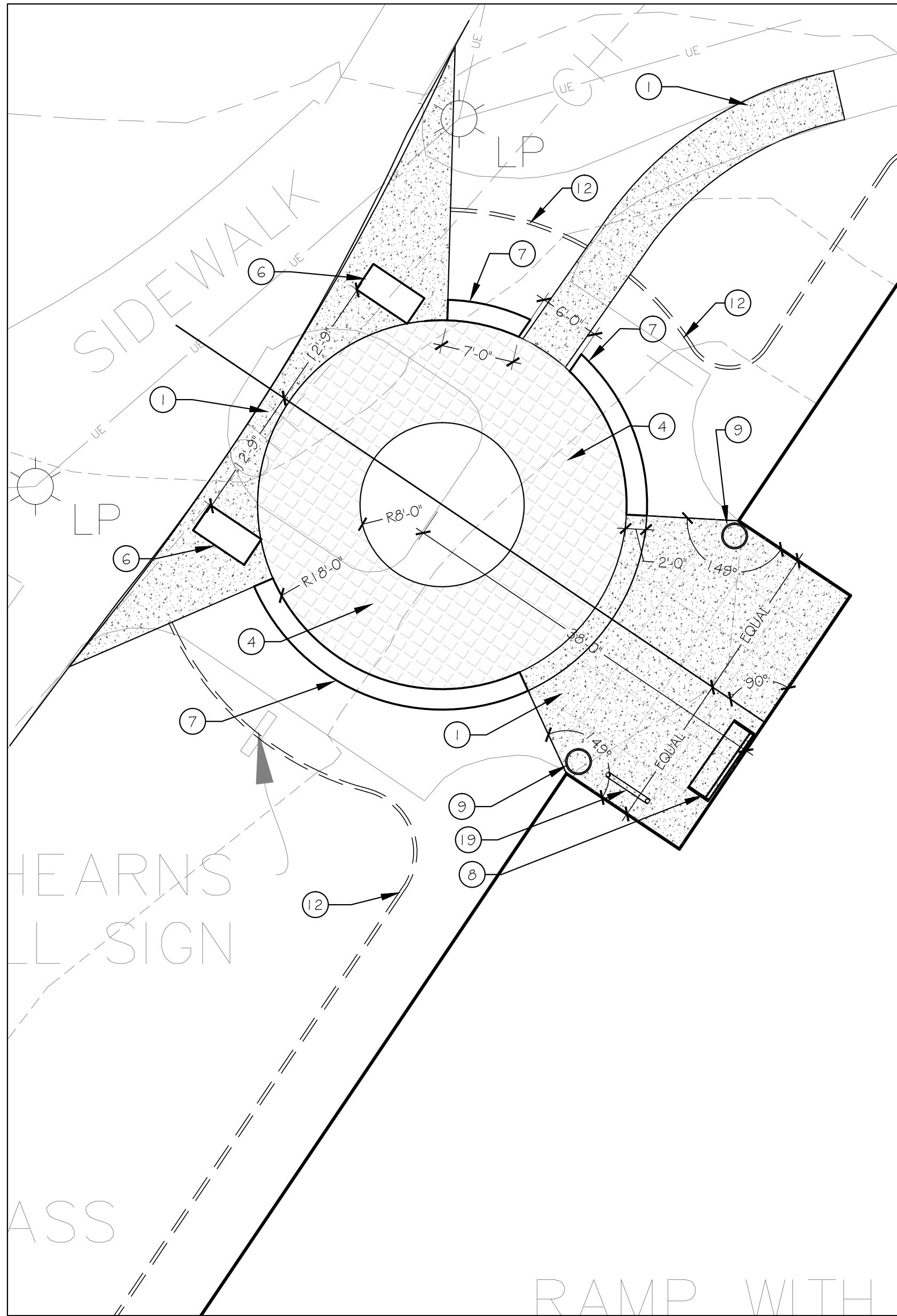
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415
PARAGON
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637 COLLEGE STREET, SPRINGFIELD, MO 65806
PH: 417.885.0002
www.paragonarchitecture.com



LA1-3 21-623 Missouri Southern State University Campus Improvements - Phase II
SITE CONSTRUCTION PLAN
PROJECT NUMBER: 21-623
DATE: 6/25/21
PROJECT DESCRIPTION:
3950 NEWMAN ROAD
JOPLIN, MO 64801
PROJECT ARCHITECT: JS
DRAWN BY: FZ
CHECKED BY: JSFZ



2 SITE DEMOLITION PLAN - HEARN'S WEST PLAZA
1" = 10'-0"



1 SITE CONSTRUCTION PLAN - HEARN'S WEST PLAZA
1" = 10'-0"

ALTERNATES

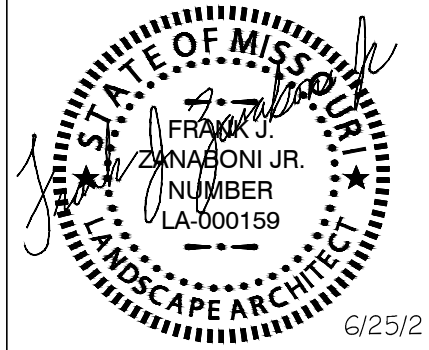
- A4 ALTERNATE 4: MSSU LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS AS SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD MSSU LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.
- A5 ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS AS SHOWN ON PLANS. REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.
- A6 ALTERNATE 6: SEAT WALL AT REYNOLDS PLAZA
BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 1 SHT. LA2-3
ALTERNATE BID: PROVIDE SEAT WALL. REFER TO DET. 1, SHT. LA1-1 AND PLAN 2, SHT. LA1-3.
- A6 ALTERNATE 6: SEAT WALLS AT HEARN'S WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 2 SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS.REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

DEMOLITION KEYNOTES

- D1 REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA, TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- D2 REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVERS, SCULPTURE OR FURNITURE TO OWNER.
- D3 EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
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- D6 EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- D7 EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- D8 EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- D9 EXISTING BOLLARD. PROTECT IN PLACE.
- D10 TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- D11 EXISTING TREE. PROTECT IN PLACE.
- D12 EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- D13 EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- D14 REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D15 EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

CONSTRUCTION KEYNOTES

- 1 4" CONCRETE PAVING, NATURAL COLOR, WITH 6X6X1' 4X1' 4 WVF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- 2 REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- 3 INTERLOCKING PAVER - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X1' 6X6GOMM, RUNNING BOND PATTERN, 4 COLOR BLEND -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 4 INTERLOCKING PAVER - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4X6GOMM, 4X8X6GOMM, 8X8X6GOMM RANDOM PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 5 INTERLOCKING PAVER - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8X6GOMM, HERRINGBONE PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 6 BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- 7 BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- 8 8' BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- 9 TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- 10 BIKE RACK (NEW) - CBBR-5UR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOOPS, 5 BIKE, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- 11 STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- 12 STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- 13 METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- 14 CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- 15 HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- 16 MSSU LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
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- 20 8' BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.



6/25/21

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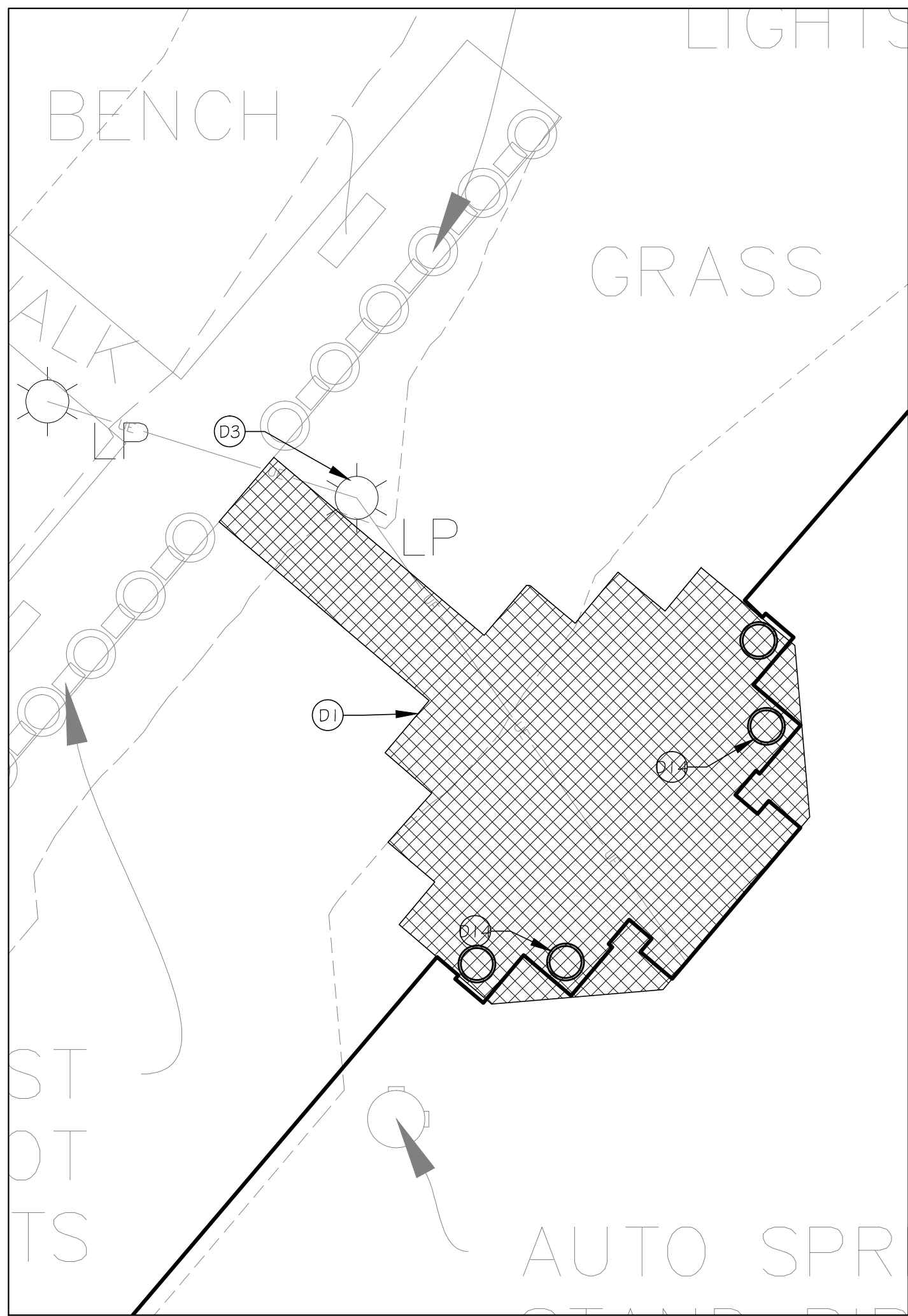
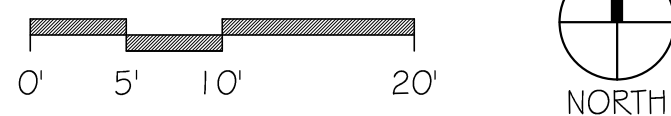
SHEET NUMBER: PROJECT DESCRIPTION:

LA1-4 21-623 Missouri Southern State University Campus Improvements - Phase II
SITE CONSTRUCTION PLAN

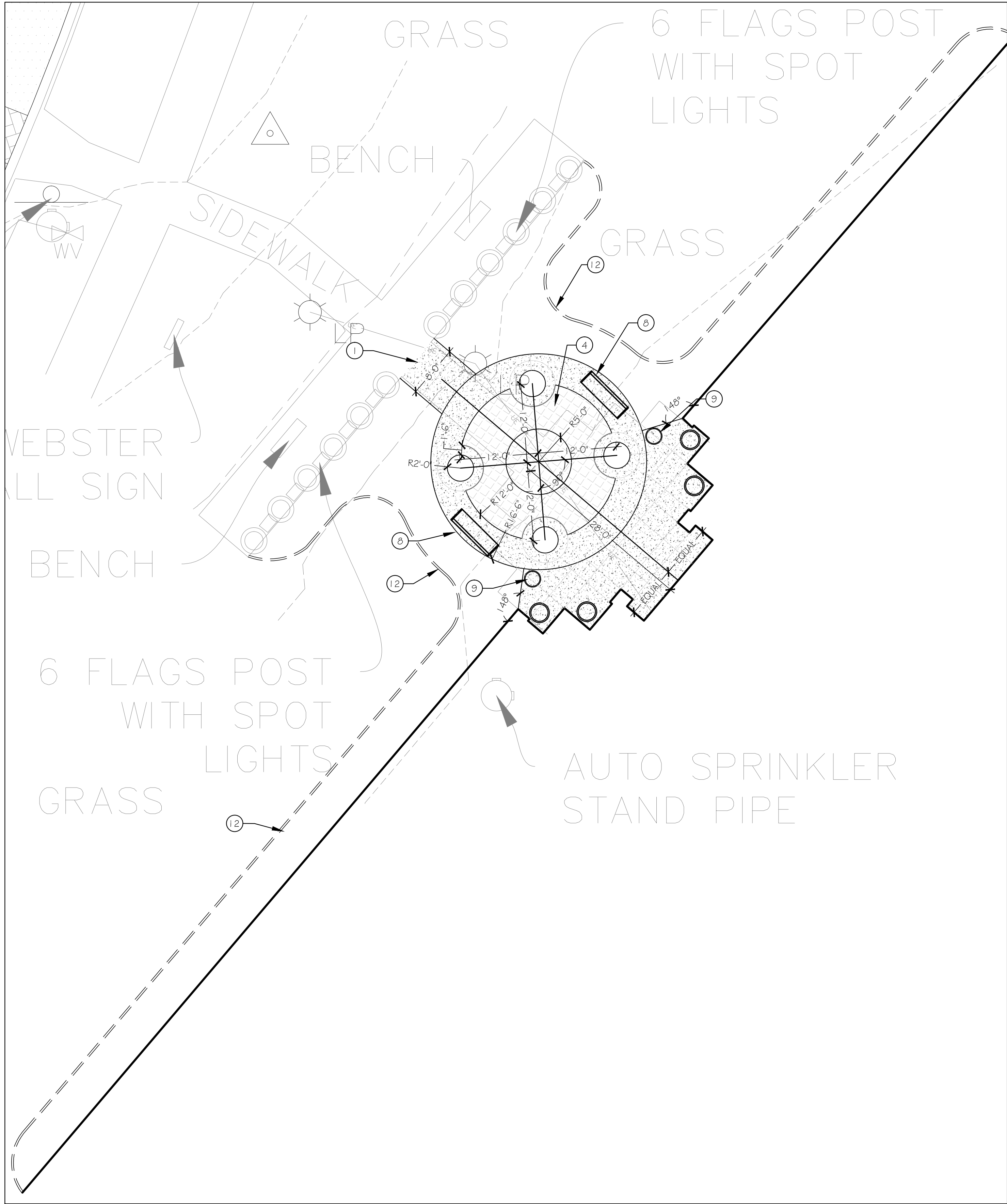
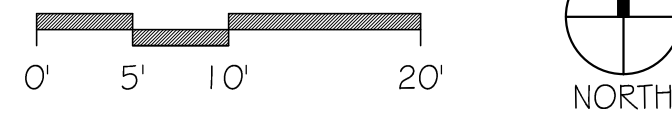
PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801

21-623
DATE: 6/25/21
PROJECT ARCHITECT: JS
DRAWN BY: FZ
CHECKED BY: JSFZ

2 SITE DEMOLITION PLAN - WEBSTER HALL FRONT PLAZA
1"=10'-0"



1 SITE CONSTRUCTION PLAN - WEBSTER HALL FRONT PLAZA
1"=10'-0"



ALTERNATES

- A4 ALTERNATE 4: MSSU LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS AS SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD MSSU LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.
- A5 ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS AS SHOWN ON PLANS. REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.
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BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 1 SHT. LA2-3
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- A6 ALTERNATE 6: SEAT WALLS AT HEARNES WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIRIOPE MUSCARI SHOWN ON PLAN 2 SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS.REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

DEMOLITION KEYNOTES

- D1 REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA, TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- D2 REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVERS, SCULPTURE OR FURNITURE TO OWNER.
- D3 EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
- D4 EXISTING CALL KIOSK - REFER TO SITE ELECTRICAL PLANS.
- D5 REMOVE BRICK WALLS, FOUNDATIONS, PAVING AND BASE ROCK FROM THIS AREA. SAVE AN ASSORTMENT OF GOOD BRICKS AS DIRECTED BY OWNER FOR REUSE. SAVE ALL MEMORIAL PLAQUES AND RETURN TO OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D6 EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- D7 EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- D8 EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- D9 EXISTING BOLLARD. PROTECT IN PLACE.
- D10 TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- D11 EXISTING TREE. PROTECT IN PLACE.
- D12 EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- D13 EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- D14 REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- D15 EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

CONSTRUCTION KEYNOTES

- 1 4" CONCRETE PAVING, NATURAL COLOR, WITH GXGXW1 .4XW1.4 WWF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- 2 REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- 3 INTERLOCKING PAVES - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X16X60MM, RUNNING BOND PATTERN, 4 COLOR BLEND -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 4 INTERLOCKING PAVES - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4X60MM, 4X8X60MM, 8X8X60MM RANDOM PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 5 INTERLOCKING PAVES - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8X60MM, HERRINGBONE PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- 6 BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- 7 BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- 8 8' BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- 9 TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- 10 BIKE RACK (NEW) - CBBR-5UR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOOPS, 5 BIKE, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- 11 STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- 12 STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- 13 METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- 14 CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- 15 HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- 16 MSSU LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
- 17 CONCRETE WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- 18 CAPSTONE WALL - REINSTALL OVER 6" COMPACTED BASEROCK. ALL STONE TOPS TO BE FLUSH AND LEVEL, WITH MAX. 1% SLOPE DOWNHILL.
- 19 BIKE RACK - REUSE EXISTING. MOUNT TO CONCRETE SURFACE WITH STAINLESS STEEL BOLTS.
- 20 8' BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.

SHEET NUMBER: PROJECT DESCRIPTION:

LA1-6 21-623 Missouri Southern State University Campus Improvements - Phase II
SITE CONSTRUCTION PLAN

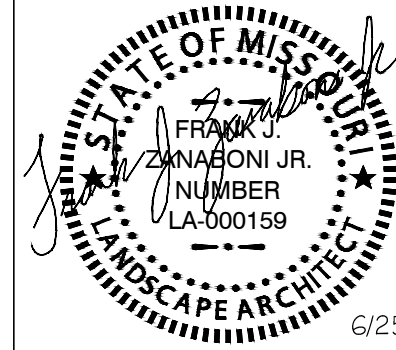
PROJECT NUMBER: 21-623
DATE: 6/25/21

3950 NEWMAN ROAD
JOPLIN, MO 64801
PROJECT ARCHITECT: JS
DRAWN BY: FZ
CHECKED BY: JSFZ

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

PARAGON ARCHITECTURE
637 COLLEGE STREET, SPRINGFIELD, MO 65806

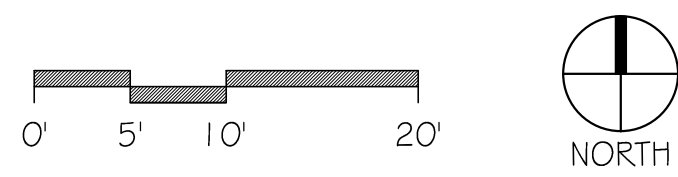
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(A4) ALTERNATE 4: M55U LION LOGO
BASE BID: PROVIDE INTERLOCKING PAVERS A5 SHOWN ON PLAN 1, SHT. LA1-2.
ALTERNATE BID: ADD M55U LION LOGO, 7" DIAMETER, CUSTOM WATER JET AND ENGRAVED INTO PAVERS - CONTACT HANDOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL.

(A5) ALTERNATE 5: PLAZA AT SE PARKING LOT
BASE BID: OMIT ALL WORK ASSOCIATED WITH PLAZA AT SE CORNER OF PARKING LOT.
ALTERNATE BID: PROVIDE IMPROVEMENTS A5 SHOWN ON PLANS. REFER TO PLANS 3 AND 6, SHT. LA1-2 AND PLAN 3, SHT. LA2-1.

(A6) ALTERNATE 6: SEAT WALL AT REYNOLDS PLAZA
BASE BID: OMIT SEAT WALL SHOWN ON PLAN 2, LA1-3 AND PROVIDE 33- ONE GALLON LIQROPE MUSCARI SHOWN ON PLAN 1 SHT. LA2-3.
ALTERNATE BID: PROVIDE SEAT WALL. REFER TO DET. 1, SHT. LA1-1 AND PLAN 2, SHT. LA1-3.

(A6) ALTERNATE 6: SEAT WALL AT HEARNES WEST PLAZA
BASE BID: OMIT SEAT WALLS SHOWN ON PLAN 1, LA1-5 AND PROVIDE 36- ONE GALLON LIQROPE MUSCARI SHOWN ON PLAN 2 SHT. LA2-4
ALTERNATE BID: PROVIDE SEAT WALLS.REFER TO DET. 1, SHT. LA1-1 AND PLAN 1, SHT. LA1-5

- (D1) REMOVE AND DISPOSE OFF SITE ALL PAVEMENT AND SUBBASE IN THIS AREA, TYP. SYM. RETURN TO NATURAL GRADE ALL AREAS THAT ARE NOT TO RECEIVE NEW PAVEMENT. REMOVE ALL FURNITURE, BIKE RACKS AND TRASH CONTAINERS AND RETURN TO OWNER.
- (D2) REMOVE ALL PLANT MATERIAL (INCLUDING STUMPS AND ROOTS) IN THIS AREA AND RETURN ANY BOULDERS, PAVING, SCULPTURE OR FURNITURE TO OWNER.
- (D3) EXISTING LIGHT POLE/BASE - PROTECT IN PLACE. REFER TO SITE ELECTRICAL PLANS
- (D4) EXISTING CALL KIOSK - REFER TO SITE ELECTRICAL PLANS.
- (D5) REMOVE BRICK WALLS, FOUNDATIONS, PAVING AND BASE ROCK FROM THIS AREA. SAVE AN ASSORTMENT OF GOOD BRICKS AS DIRECTED BY OWNER FOR REUSE. SAVE ALL MEMORIAL PLAQUES AND RETURN TO OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- (D6) EXISTING SIGN - REMOVE AND RETURN TO OWNER.
- (D7) EXISTING HANDICAP DOOR BUTTON/PEDESTAL - REMOVE AND RETURN TO OWNER.
- (D8) EXISTING INTERLOCKING BLOCK RETAINING WALL - REMOVE BLOCKS AND STORE PER OWNER'S DIRECTION FOR REUSE.
- (D9) EXISTING BOLLARD. PROTECT IN PLACE.
- (D10) TUNNEL WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- (D11) EXISTING TREE. PROTECT IN PLACE.
- (D12) EXISTING SIGN. REMOVE AND RETURN TO OWNER.
- (D13) EXISTING BOULDER. REMOVE AND RETURN TO OWNER.
- (D14) REMOVE CAPSTONE WALL AND FOUNDATION. STORE CAPSTONES ON SITE PER OWNER. BRING DISTURBED AREA BACK TO EXISTING GRADE WITH NEW TOPSOIL. LANDSCAPE PER PLANTING PLAN.
- (D15) EXISTING POTS (4 TOTAL). REMOVE AND RETURN TO OWNER.

- (1) 4" CONCRETE PAVING, NATURAL COLOR, WITH GXGXW1.4XW1.4 WWF OVER 6" COMPACTED AGGREGATE BASE. CONTROL JOINTS AND EXPANSION JOINTS AS SHOWN.
- (2) REFER TO CIVIL PLANS FOR CONCRETE RAMPS, CURBS AND PAVING IN THIS AREA.
- (3) INTERLOCKING PAV. - PANORAMA SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 8X16GXOMM, RUNNING BOND PATTERN, 4 COLOR BLEND -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (4) INTERLOCKING PAV. - CITY STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X4GXOMM, 4X8GXOMM, 8X8GXOMM RANDOM PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (5) INTERLOCKING PAV. - HOLLAND STONE SERIES BY KEYSTONE HARDSCAPES (417-891-9876). 4X8GXOMM, HERRINGBONE PATTERN, 3 COLOR COMBINATION -OWNER TO SELECT COLORS REFER TO DET. 3, SHT. LA1-1
- (6) BRICK PEDESTAL FOR LION SCULPTURE, REFER TO DET. 2, SHT. LA1-1
- (7) BRICK SEAT WALL, REFER TO DET. 1, SHT. LA1-1 ALTERNATE #6
- (8) 8' BENCH. REUSE EXISTING AND ATTACH TO PAVEMENT WITH STAINLESS STEEL BOLTS.
- (9) TRASH RECEPTACLE (BY OWNER - REUSE EXISTING).
- (10) BIKE RACK (NEW). CBBR-SUR-BKB - BY BELSON OUTDOORS (800) 323-5664 - 3 LOCKS, 5' BIKER, BLACK FINISH, SURFACE MOUNT. INSTALL PER MANUFACTURER.
- (11) STACKED CONC. BLOCK RETAINING WALL, COLOR AND PATTERN TO MATCH EXISTING. REUSE EXISTING BLOCKS AS POSSIBLE. INSTALL PER MANUFACTURER.
- (12) STONE PLANTER EDGE, REFER TO DET. 4, SHT. LA1-1
- (13) METAL PLANTER EDGE, REFER TO PLANTING NOTES, SHT. LA2-1
- (14) CONCRETE STEPS, REFER TO DET. 5, SHT. LA1-1
- (15) HANDRAIL/GUARDRAIL REFER TO DET. 7 SHT. LA1-1
- (16) M55U LION LOGO CUSTOM WATER JET AND ENGRAVED INTO PAVERS- CONTACT HANOVER ARCHITECTURAL PRODUCTS (800-426-4242) PROVIDE SHOP DRAWINGS FOR APPROVAL. ALTERNATE #4.
- (17) CONCRETE WING WALL. REFER TO ARCHITECTURAL TUNNEL IMPROVEMENT PLANS.
- (18) CAPSTONE WALL - REINSTALL OVER 6" COMPACTED BASEROCK. ALL STONE TOPS TO BE FLUSH AND LEVEL, WITH MAX. 1% SLOPE DOWNHILL.
- (19) BIKE RACK - REUSE EXISTING. MOUNT TO CONCRETE SURFACE WITH STAINLESS STEEL BOLTS.
- (20) 8' BENCH - NEW - GREEN W/ CAST IRON SIDES AND RECYCLED PLASTIC SEAT AND BACK. COLOR GREEN TO MATCH OTHER EXISTING BENCHES. CONTRACTOR TO PROVIDE THREE CHOICES FOR OWNER APPROVAL.



MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

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PROJECT DESCRIPTION:

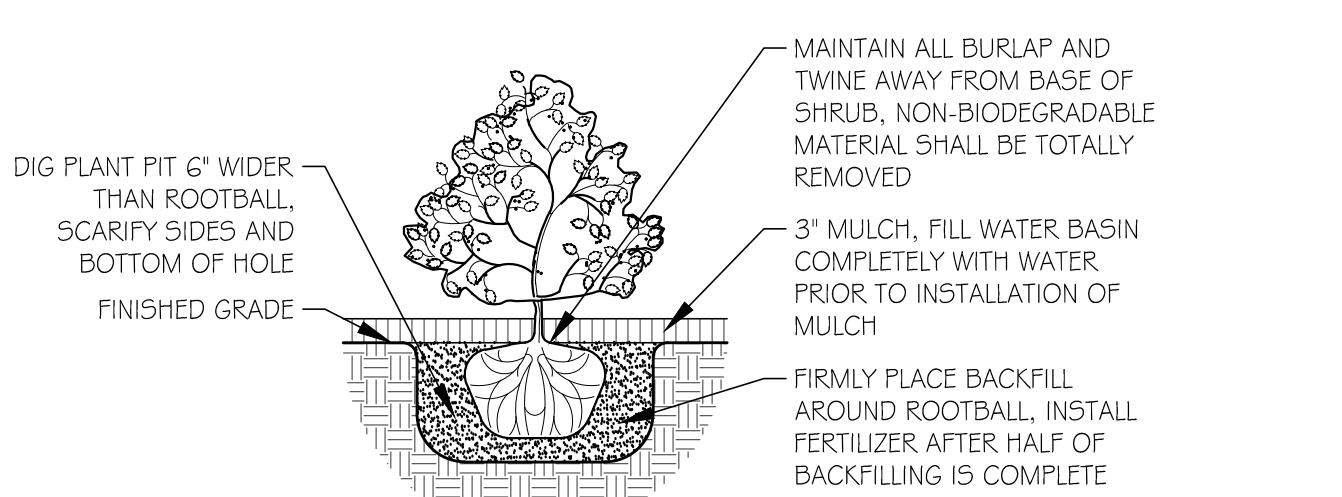
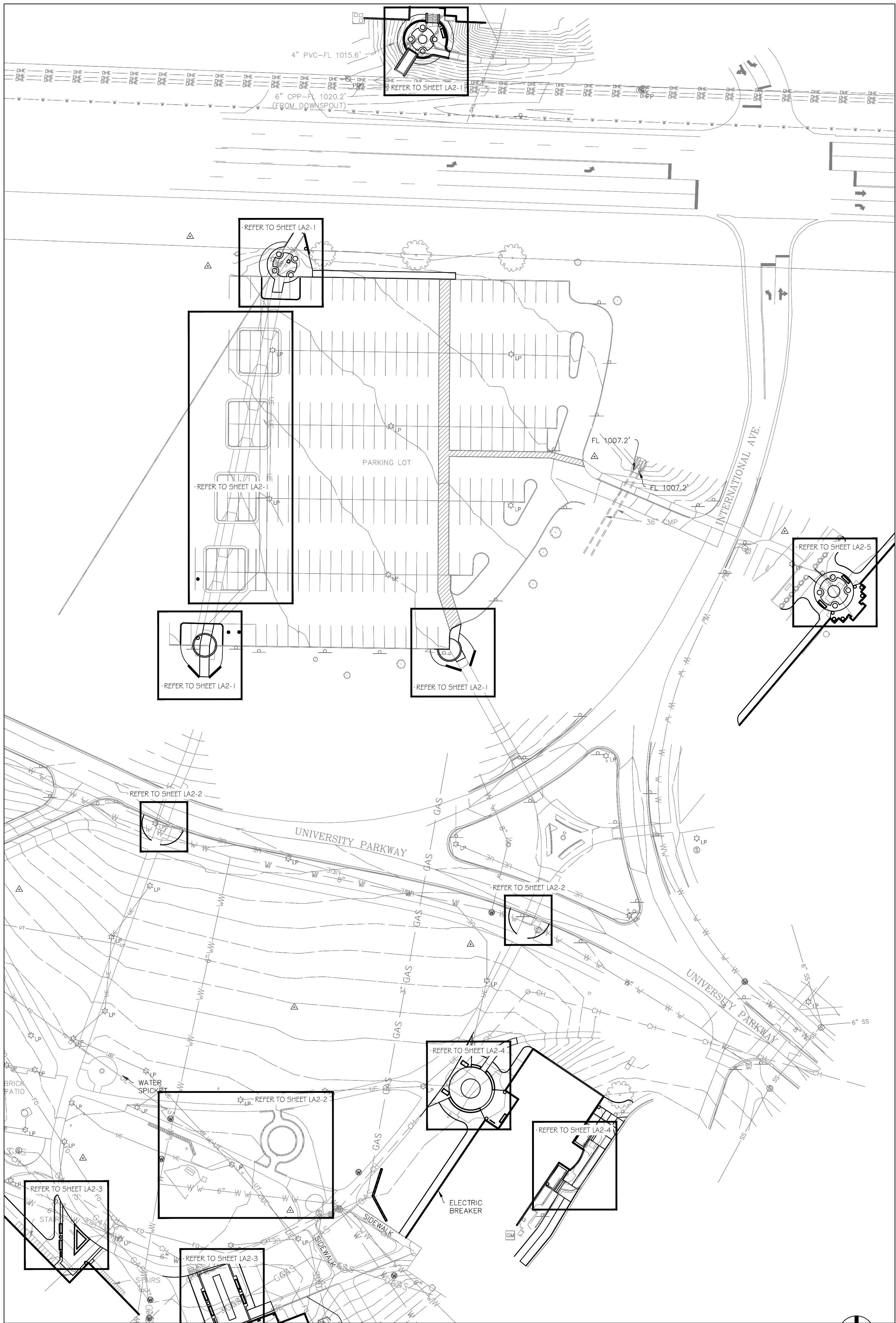
LA1-7 21-623 MIS
SITE CONSTRUCTION PLAN

3950 NEWMAN ROAD
JOPLIN, MO 64801

PROJECT ARCHITECT: JS
DRAWING NO.: F17

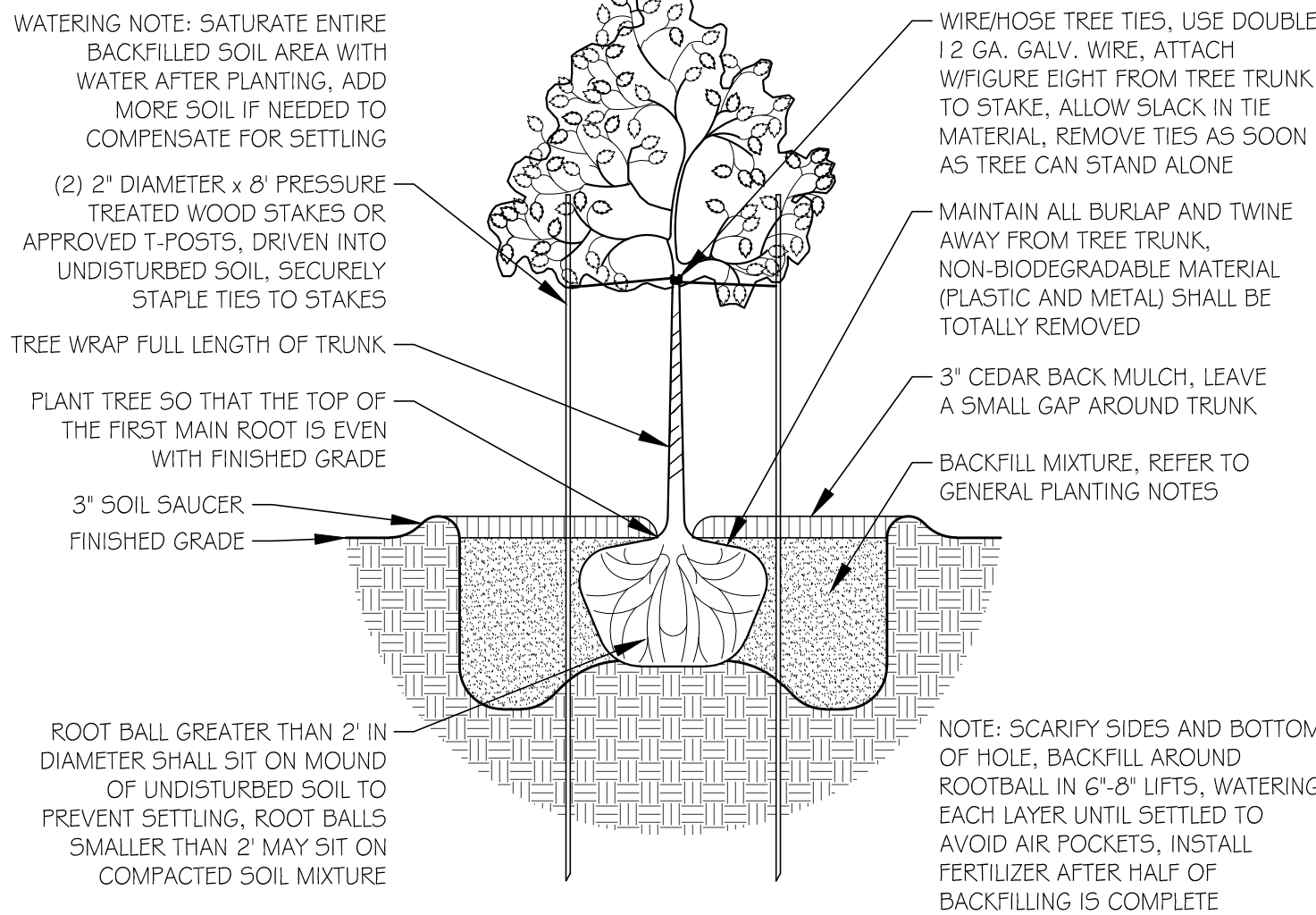
17/07/19

17/07/19



2 SHRUB PLANTING

N.T.S.



3 TREE PLANTING

N.T.S.

GENERAL GRASS SEEDING NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS SO THAT PROPER PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH IMPROVEMENTS. REFER TO CIVIL AND MEP DRAWINGS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS.
- KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREA PRIOR TO PLANTING.
- FERTILIZER SHALL BE APPLIED BASED ON SOIL TESTS. MINIMUM 13-13-13 GRADE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 6" OF SOIL AT A RATE OF 500 POUNDS PER ACRE AND AGRICULTURAL LIME AT THE RATE OF 2,000 POUNDS PER ACRE. ALL DISTURBED AREAS OF THE SITE, WITH THE EXCEPTION OF SODDED OR SHRUBBED AREAS, SHALL BE SEEDDED WITH A MIX CONSISTING OF: (SEED BLEND 90% GERMINATION RATE)

PERENNIAL RYE GRASS	90 LB/AC (2 LB/1,000 SF)
KENTUCKY BLUEGRASS	70 LB/AC (1.5 LB/1,000 SF)
K31 FESCUE	70 LB/AC (1.5 LB/1,000 SF)
- WHERE SLOPES ARE LESS THAN 25 PERCENT (4:1) GRADE, CEREAL GRAIN MULCH IS REQUIRED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET (4,500 LBS/AC). CEREAL GRAIN MULCH SHALL MEET THE REQUIREMENTS OF SECTION 802 OF THE MISSOURI STATE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR TYPE 1 MULCH. WHERE SLOPES ARE GREATER THAN 25 PERCENT (1:4) STRAW MAT WILL BE REQUIRED. REFER TO CIVIL PLANS (SHEET C5) FOR INSTALLATION DETAIL.
- PRIOR TO SEED GERMINATION, A PRE-EMERGENT HERBICIDE SHALL BE APPLIED. THE CONTRACTOR IS RESPONSIBLE FOR COMPATIBILITY OF HERBICIDE WITH SEED PLANT MATERIAL.

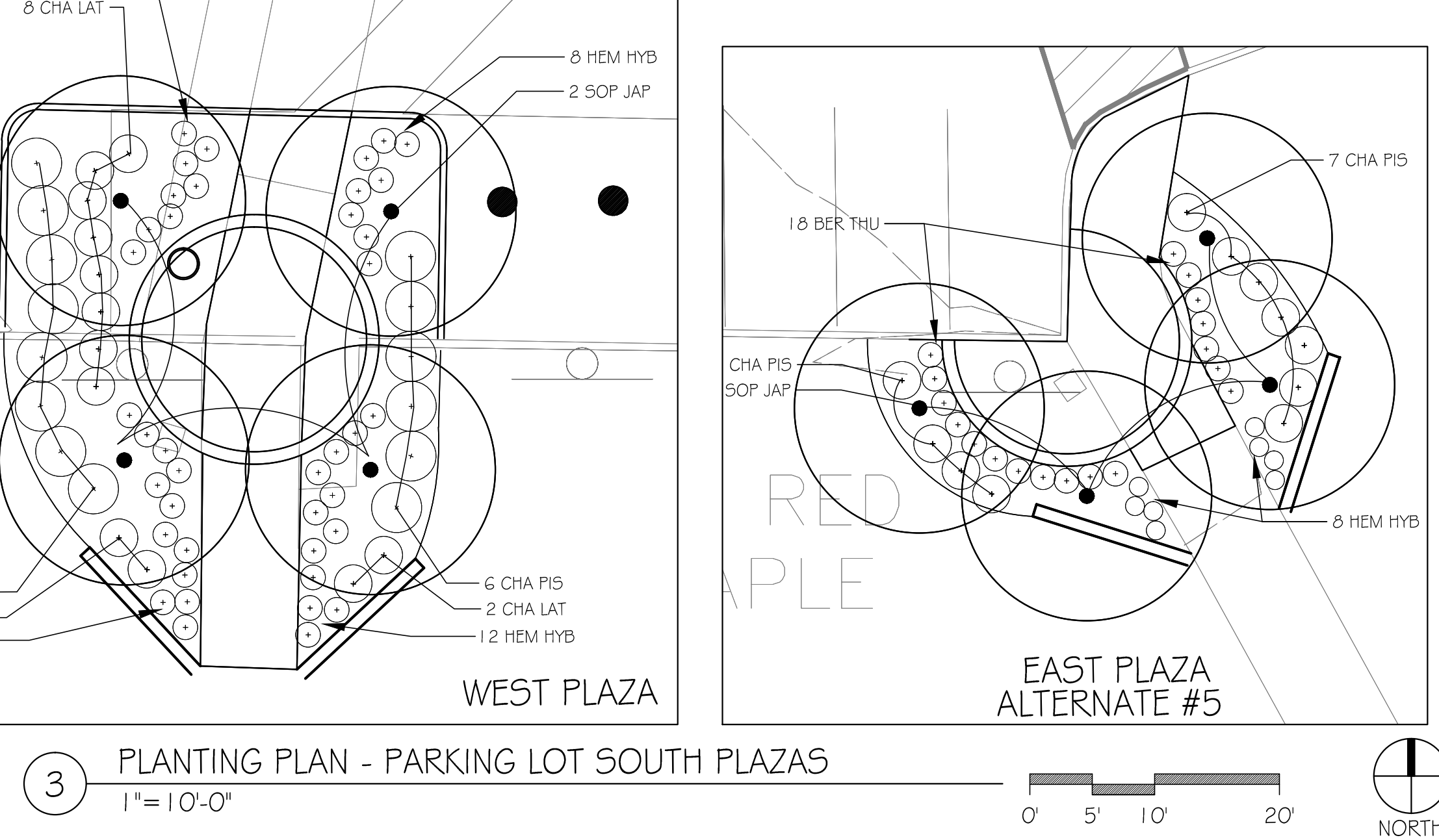
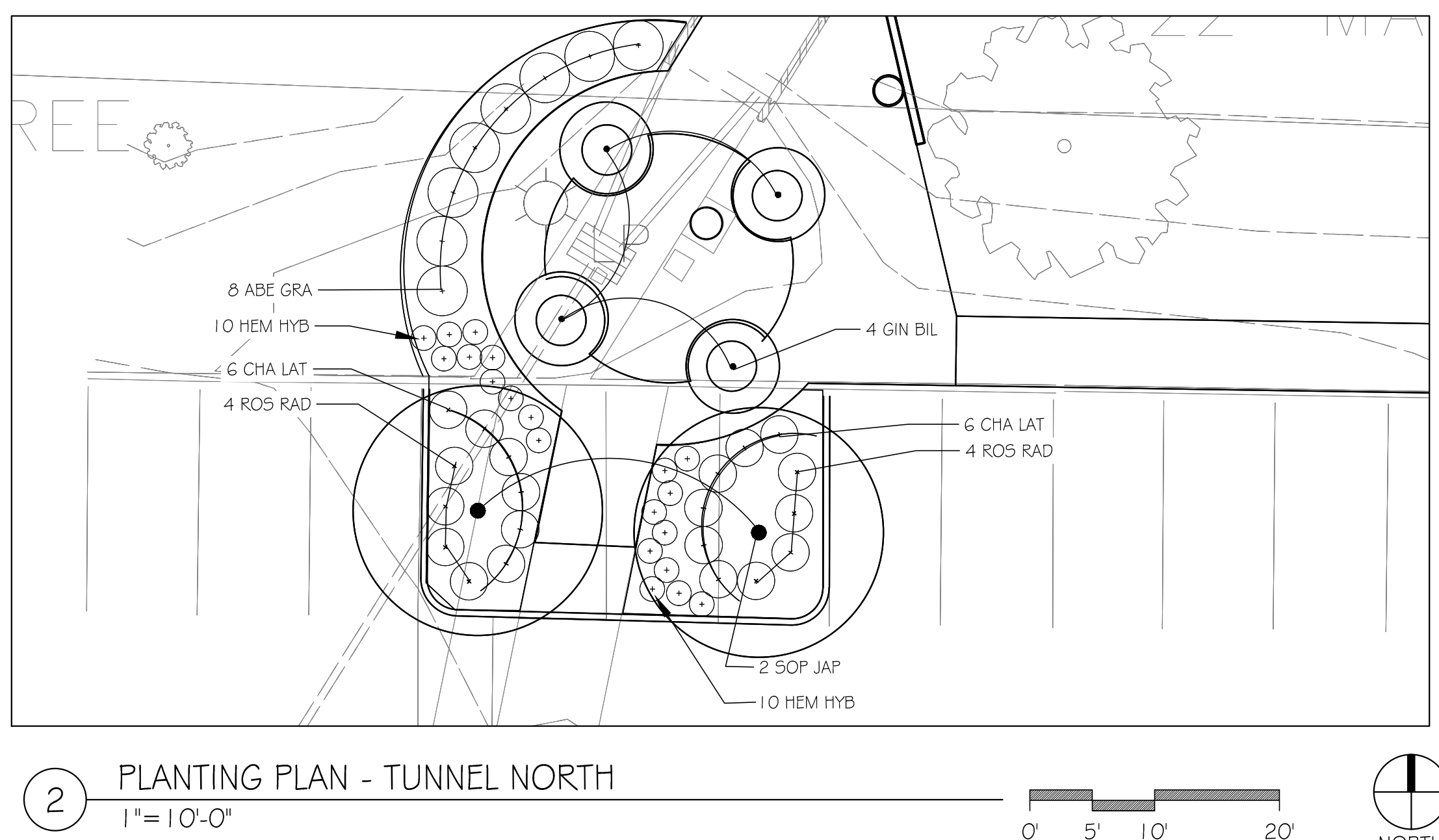
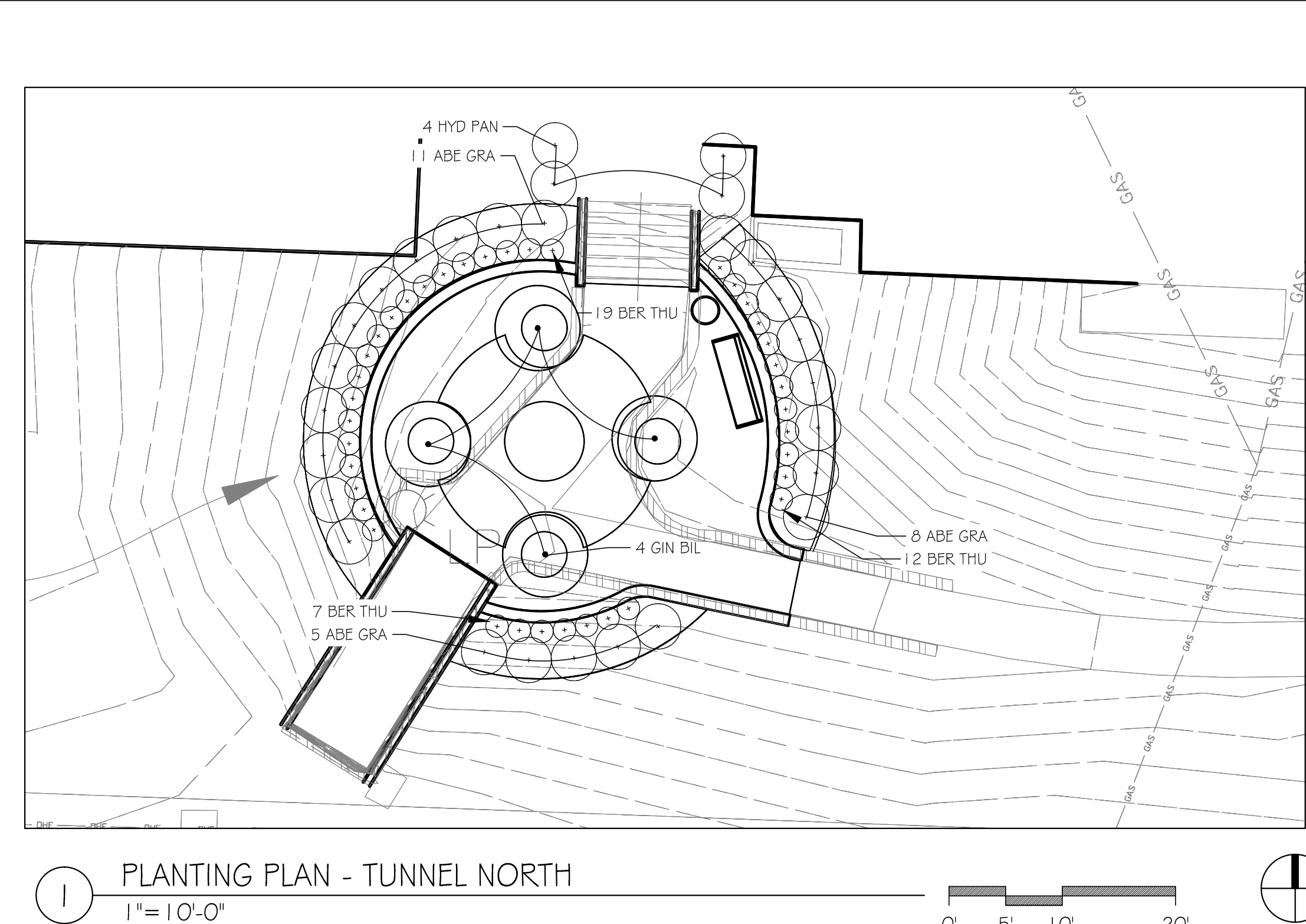
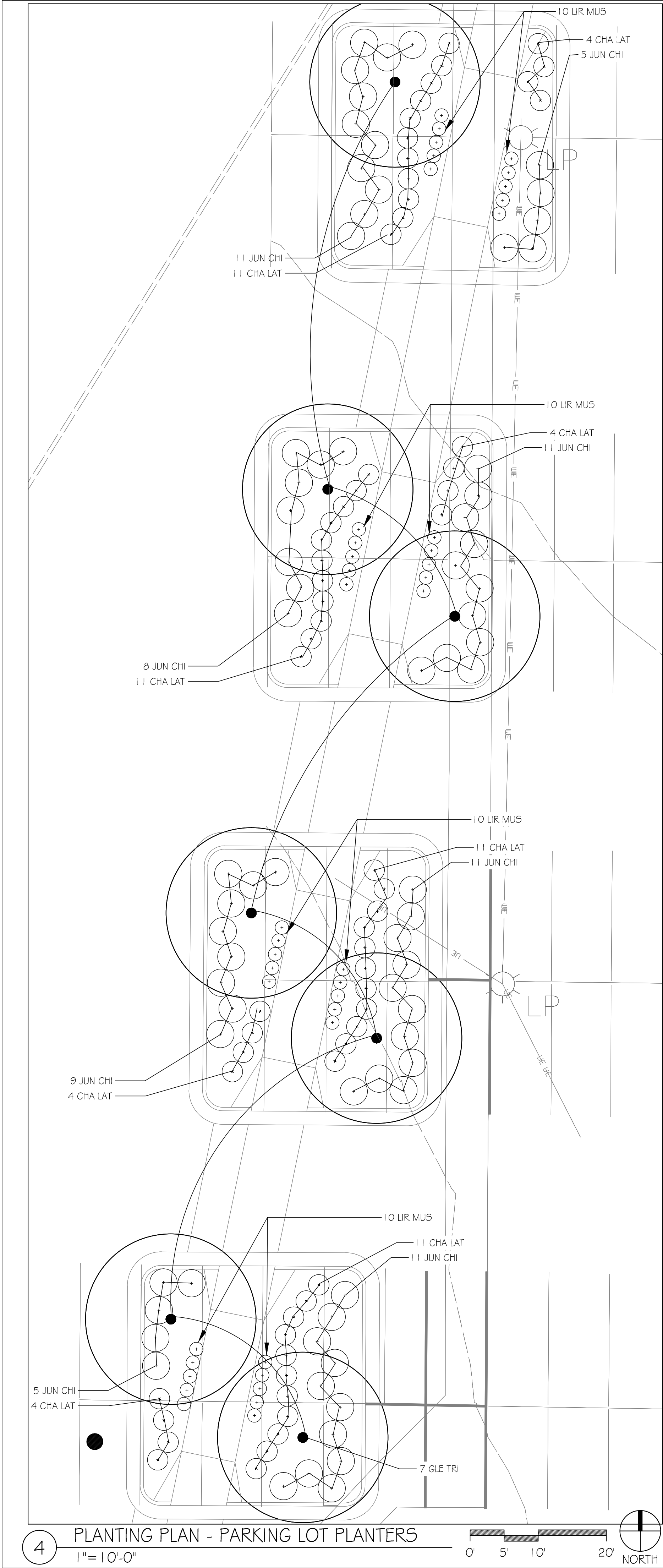
GENERAL SODDING NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS SO THAT PROPER PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH IMPROVEMENTS. REFER TO CIVIL AND MEP DRAWINGS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS.
- KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREA PRIOR TO PLANTING.
- FURNISH VIABLE SOD OF UNIFORM DENSITY, COLOR, AND TEXTURE THAT IS STRONGLY ROOTED AND CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED.
- PRIOR TO SOD PLACEMENT, A PRE-EMERGENT HERBICIDE SHALL BE APPLIED. THE CONTRACTOR IS RESPONSIBLE FOR COMPATIBILITY OF HERBICIDE WITH HYDROSEED PLANT MATERIAL.
- LAY SOD WITHIN 24 HOURS OF HARVESTING UNLESS A SUITABLE PRESERVATION METHOD IS ACCEPTED BY ARCHITECT/OWNER PRIOR TO DELIVERY TIME. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN OR MUDDY.
- LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS, BUTT ENDS AND SIDES OF SOD; DO NOT STRETCH OR OVERLAP. STAGGER SOD STRIPS OR PADS TO OFFSET JOINTS IN ADJACENT COURSES. AVOID DAMAGE TO SOIL OR SOD DURING INSTALLATION. TAMP AND ROLL LIGHTLY TO ENSURE CONTACT WITH SOIL. ELIMINATE AIR POCKETS, AND FORM A SMOOTH SURFACE. WORK SIFTED SOIL OR FINE SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVE EXCESS TO AVOID SMOTHERING SOD AND ADJACENT GRASS.
- LAY SOD ACROSS SLOPES EXCEEDING 1:3.
- ANCHOR SOD ON SLOPES EXCEEDING 1:4 WITH WOOD PEGS SPACED AS RECOMMENDED BY SOD MANUFACTURER BUT NOT LESS THAN TWO ANCHORS PER SOD STRIP TO PREVENT SLIPPAGE.
- SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF 1-1 1/2 INCHES BELOW SOD.

GENERAL PLANTING NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS SO THAT PROPER PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH IMPROVEMENTS. REFER TO CIVIL AND MEP DRAWINGS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES BOTH OVERHEAD AND UNDERGROUND.
- KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREA PRIOR TO PLANTING.
- THE STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK' REPRESENT GENERAL GUIDELINE SPECIFICATIONS ONLY AND WILL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING THESE SPECIFICATIONS AND THE MINIMUM SIZE REQUIREMENTS IN THE PLANT SCHEDULE.
- ALL SHRUB PLANTING AREAS SHALL RECEIVE A MINIMUM 12" DEPTH OF IMPORTED OR STOCKPILED TOPSOIL. ALL TURF AREAS SHALL RECEIVE A MINIMUM 6" DEPTH OF IMPORTED OR STOCKPILED TOPSOIL.
- ANY MATERIAL WHICH DIES, OR DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOVED AND REPLACED.
- THE CONTRACTOR IS RESPONSIBLE FOR SOIL SAMPLING AND TESTING TO DETERMINE EXACT SOIL AMENDMENT REQUIREMENTS.
- BACKFILL TREE AND SHRUB PITS WITH A NATIVE SITE SOIL (THIS SHALL BE AMENDED AS SPECIFIED IN THE SOILS REPORT). CONTRACTOR TO REMOVE ALL STONES AND DEBRIS LARGER THAN 1".
- PROVIDE 21 GRAM, 20-10-5 FERTILIZER TABLETS AT THE FOLLOWING RATE:

ALL TREES - 5 TABLETS
ALL 3 GAL. AND 5 GAL. AND LARGER SHRUBS - 3 TABLETS EACH
ALL 1 GAL. AND 2 GAL. SHRUBS - 1 TABLET EACH
- ALL SHRUB PLANTING AREAS SHALL RECEIVE A MINIMUM 3" DEPTH OF 1"-2" DIA., SMOOTH RIVER ROCK MULCH OR DARK GREY TRAP ROCK AFTER INSTALLATION OF ALL PLANT MATERIAL. SUBMIT SAMPLES OF ROCK MULCH TO OWNER'S REPRESENTATIVE FOR APPROVAL.
- PROVIDE HEAVY DUTY, POWDER COATED, METAL EDGE (4" HGT. x MIN. 3/16" THICK) TO SEPARATE ALL SHRUB PLANTING AREAS FROM TURF AREAS UNLESS NOTED TO BE A ROCK BORDER - REFER TO DET. 4, SHT. LA1-1.
- THE LANDSCAPE CONTRACTOR SHALL CONDUCT A PREINSTALLATION CONFERENCE WITH GENERAL CONTRACTOR AND EARTHWORK CONTRACTOR AT SITE PRIOR TO START OF PLANTING INSTALLATION.
- THE LANDSCAPE CONTRACTOR SHALL STAKE OR MARK ALL PLANT MATERIAL LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL HAVE OWNER'S REPRESENTATIVE APPROVE ALL STAKING PRIOR TO INSTALLATION.
- THE LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL TREES, SHRUBS AND SODDED AREAS UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL. IF THE SITE DEVELOPMENT PLANS DO NOT INCLUDE AN IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO WATER ALL PLANT MATERIALS FOR 60 DAYS AFTER THE TIME THE LANDSCAPE IS APPROVED BY THE OWNER'S CH.
- (SUBSTANTIAL COMPLETION).
- LANDSCAPE CONTRACTOR SHALL PROVIDE UNIT COSTS AND POSSIBLE ALTERNATIVES FOR PLANT MATERIAL TO LANDSCAPE ARCHITECT.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY MAINTAINING HIS SCOPE OF WORK UNTIL ACCEPTANCE OF THE WORK BY THE LANDSCAPE ARCHITECT AND OWNER. THIS MAINTENANCE SHALL INCLUDE, BUT IS NOT LIMITED TO: WATERING, MULCHING, SPRAYING, AND FERTILIZING OF ALL PLANTING AND TURF AREAS.
- THE LANDSCAPE CONTRACTOR WILL COMPLETELY GUARANTEE HIS SCOPE OF WORK FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR WILL MAKE ALL REPLACEMENTS PROMPTLY (AS PER DIRECTION OF OWNER).

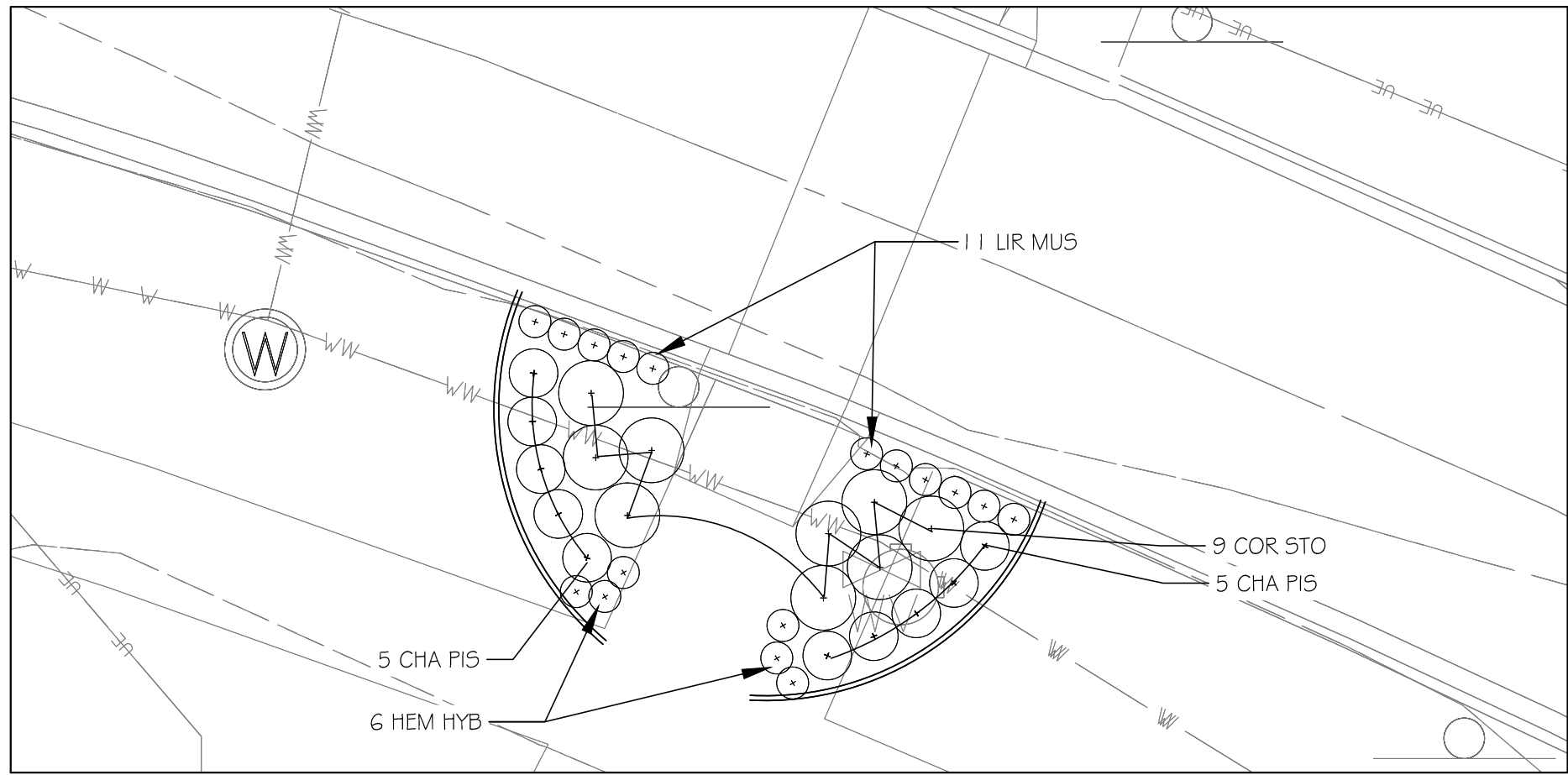


REFER TO SHEET LA2-1 FOR NOTES AND DETAILS

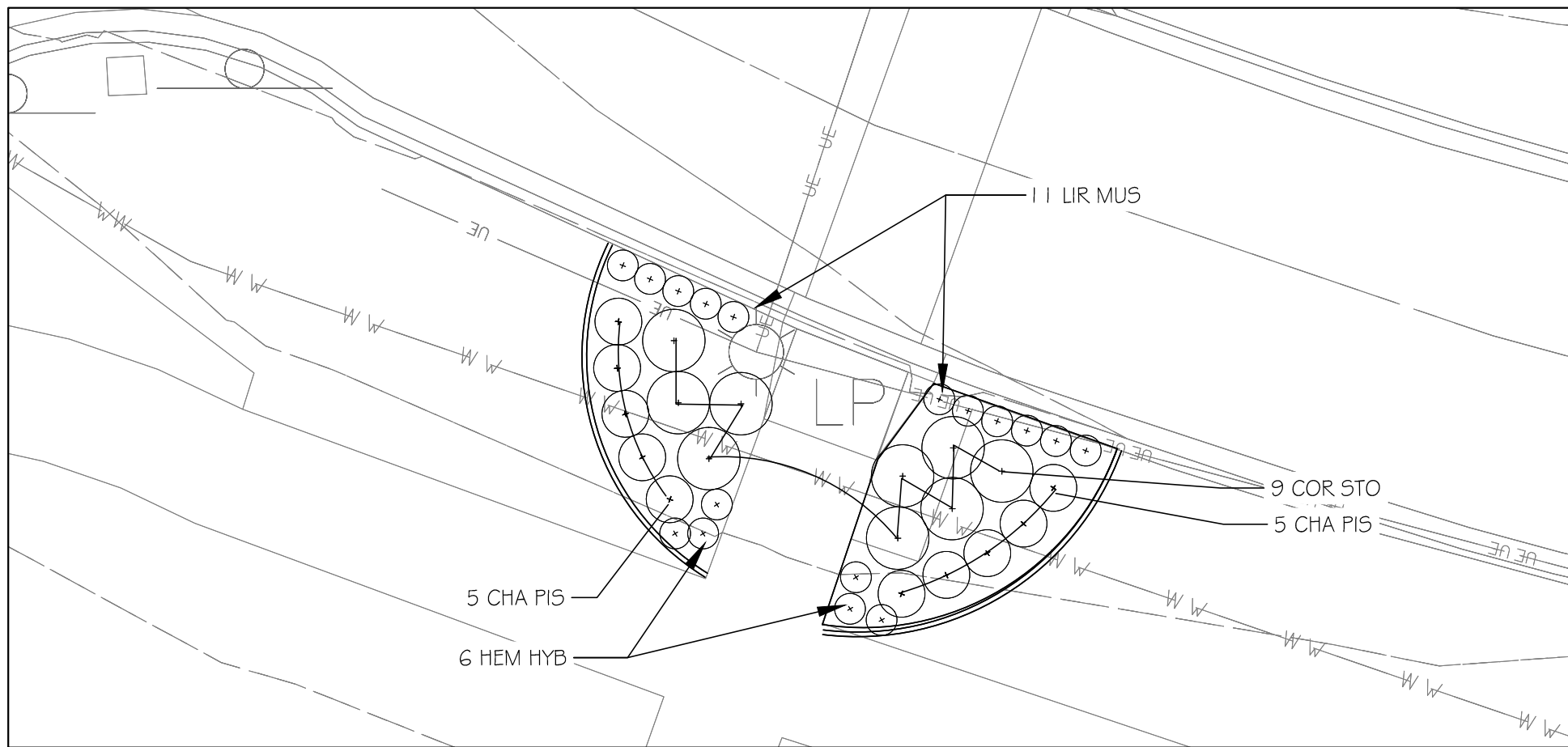
PLANT SCHEDULE			
KEY	BOTANICAL NAME/COMMON NAME - TREES	SIZE	NOTES
CER CAN	CERCIS CANADENSIS 'FOREST PANSY' FOREST PANSY REDBUD	1-1/2' CAL	
GIN BIL	GINKGO BILOBA 'FASTIGIATA' COLUMNAR GINKGO TREE	1-1/2' CAL	
GLE SUN	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST' THORNLESS HONEY LOCUST	1-1/2' CAL	
GLE TRI	GLEDITSIA TRIACANTHOS INERMIS 'IMPERIAL' THORNLESS HONEY LOCUST	1-1/2' CAL	
MAG STE	MAGNOLIA STELLATA STAR MAGNOLIA	#7 CONT	MULTI-TRUNK
QUE ROB	QUERCUS ROBUR 'FASTIGIATA' COLUMNAR ENGLISH OAK	1-1/2' CAL	
SOP JAP	SOPHORA JAPONICA 'REGENT' CHINESE SCHOLAR TREE	1-1/2' CAL	
THU OCC	THUJA OCCIDENTALIS 'TECHNY' AMERICAN ARBORVITAE	#7 CONT	5' HGT.
ABE GRA	ABELIA X GRANDIFLORA 'KALEIDOSCOPE' KALEIDOSCOPE ABELIA	#5 CONT	
BER THU	BERBERIS THUNBERGII 'ATROPURPUREA' JAPANESE BARBERRY	#2 CONT	
CHA PIS	CHAMAECYPARIS PISIFERA FILIFERA 'MOP'S' GOLD MOP FALSECYPRESS	#5 CONT	
CHA LAT	CHASMANTHIUM LATIFOLIUM INDIAN WOOD OATS	#2 CONT	
COR STO	CORNUS STOLONIFERA REDTWIG DOGWOOD	#5 CONT	
HEM HYB	HEMEROCALLIS HYBRIDS ASSORTED DAYLILIES	#1 CONT	
HEU SAN	HEUCHERA SANGUINEA BURGUNDY CORAL BELLS	#1 CONT	
HYD PAN	HYDRANGEA PANICULATA 'PINK DIAMOND' PANICLE HYDRANGEA	#5 CONT	
HYD QUE	HYDRANGEA QUERCIFOLIA OAKLEAF HYDRANGEA	#5 CONT	
ILE GLA	ILEX GLABRA 'COMPACTA' INKBERRY HOLLY	#5 CONT	
JUN CHI	JUNIPERUS CHINENSIS 'SEA GREEN' CHINESE JUNIPER	#5 CONT	
LEU SUP	LEUCANTHEMUM X SUPERBUM SHASTA DAISY	#1 CONT	
LIR MUS	LIRIOPE MUSCARI 'VARIEGATA' VARIEGATED LILYTURF	#1 CONT	
NAN DOM	NANDINA DOMESTICA 'FIREPOWER' DWARF HEAVENLY BAMBOO	#2 CONT	
PHY OPU	PHYSOCARPUS OPULIFOLIUS 'DIABLO' DIABLO NINEBARK	#5 CONT	
ROS RAD	ROSA 'RADRAZZ' KNOCKOUT ROSE - RED	#5 CONT	
VIB PLI	VIBURNUM PLICATUM 'POPCORN' POPCORN DOUBLEFILE VIBURNUM	#5 CONT	
FES SOD	FESTUCA HYBRID DWARF FESCUE TURF	SOD	

FESCUE SOD, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES

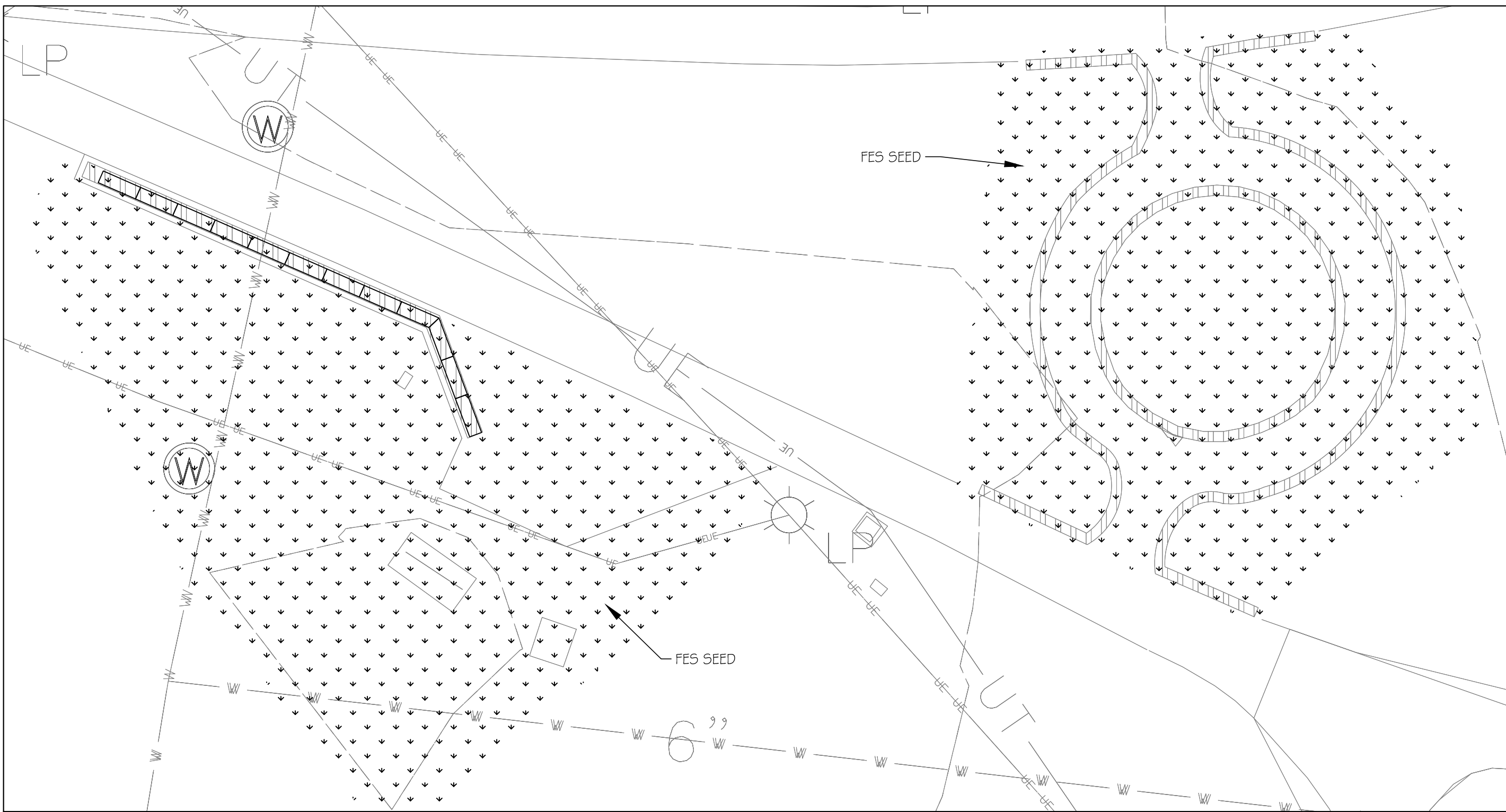
SEEDED FESCUE GRASS, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES



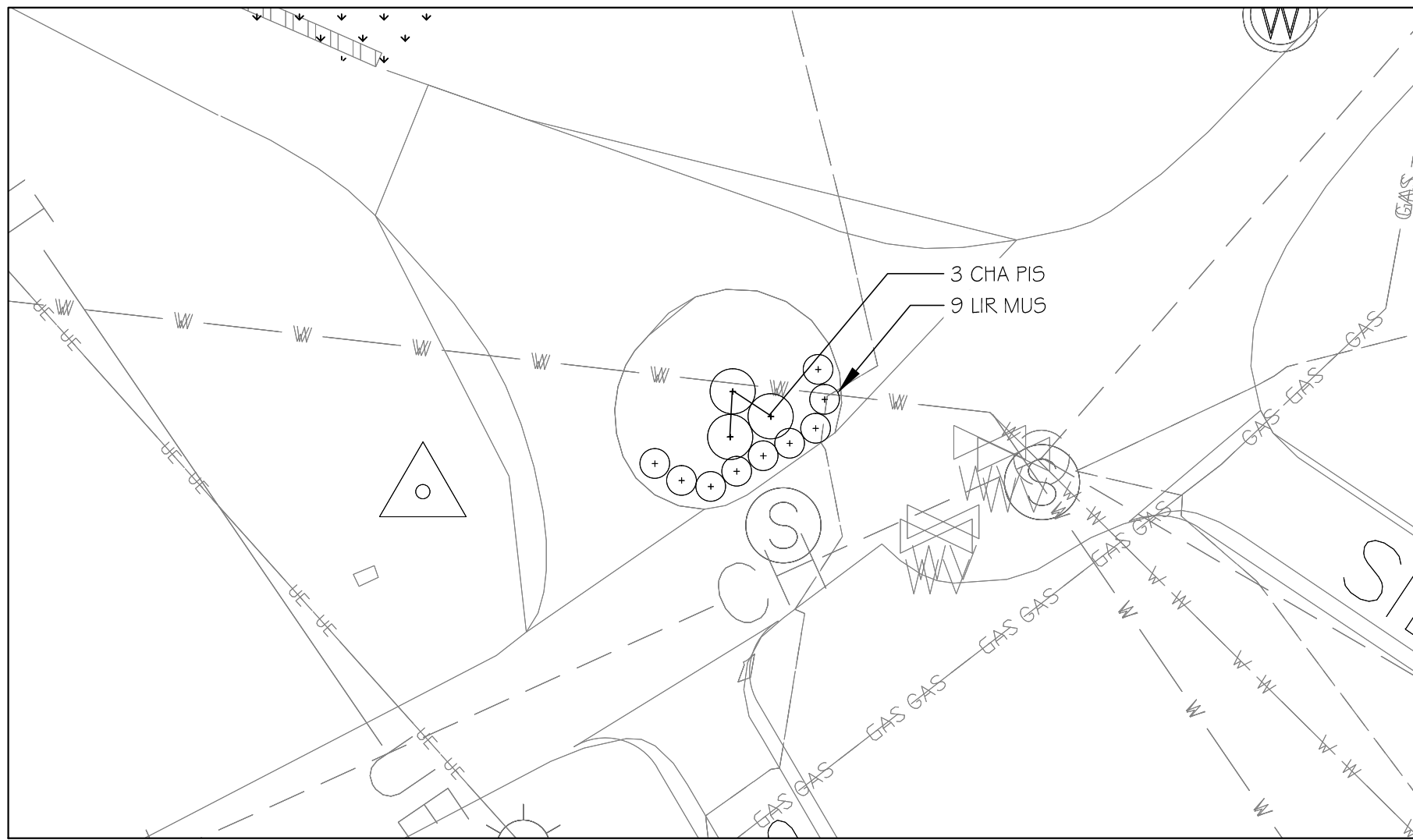
2 PLANTING PLAN - CROSSWALKS -WEST
1"=10'-0"



1 PLANTING PLAN - CROSSWALKS - EAST
1"=10'-0"



3 PLANTING PLAN - CROSSWALKS -WEST
1"=10'-0"





4 PLANTING PLAN - SIDEWALK INTERSECTION
1"=10'-0"

REFER TO SHEET LA2-0 FOR NOTES AND DETAILS

PLANT SCHEDULE

KEY	BOTANICAL NAME/COMMON NAME - TREES	SIZE	NOTES
CER CAN	CERCIS CANADENSIS 'FOREST PANSY' FOREST PANSY REDBUD	1-1/2" CAL	
GIN BIL	GINKGO BILOBA 'FASTIGIATA' COLUMNAR GINKGO TREE	1-1/2" CAL	
GLE SUN	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST' THORNLESS HONEY LOCUST	1-1/2" CAL	
GLE TRI	GLEDITSIA TRIACANTHOS INERMIS 'IMPERIAL' THORNLESS HONEY LOCUST	1-1/2" CAL	
MAG STE	MAGNOLIA STELLATA STAR MAGNOLIA	#7 CONT	MULTI-TRUNK
QUE ROB	QUERCUS ROBUR 'FASTIGIATA' COLUMNAR ENGLISH OAK	1-1/2" CAL	
SOP JAP	SOPHORA JAPONICA 'REGENT' CHINESE SCHOLAR TREE	1-1/2" CAL	
THU OCC	THUJA OCCIDENTALIS 'TECHNY' AMERICAN ARBORVITAE	#7 CONT, 5' HGT.	
ABE GRA	ABELIA X GRANDIFLORA 'KALEIDOSCOPE' KALEIDOSCOPE ABELIA	#5 CONT	
BER THU	BERBERIS THUNBERGII 'ATROPURPUREA' JAPANESE BARBERRY	#2 CONT	
CHA PIS	CHAMAECYPARIS PISIFERA FILIFERA 'MOPS' GOLD MOP FALSECYPRESS	#5 CONT	
CHA LAT	CHASMANTHIUM LATIFOLIUM INDIAN WOOD OATS	#2 CONT	
COR STO	CORNUS STOLONIFERA REDTWIG DOGWOOD	#5 CONT	
HEM HYB	HEMEROCALLIS HYBRIDS ASSORTED DAYLILIES	#1 CONT	
HEU SAN	HEUCHERA SANGUINEA BURGUNDY CORAL BELLS	#1 CONT	
HYD PAN	HYDRANGEA PANICULATA 'PINK DIAMOND' PANICLE HYDRANGEA	#5 CONT	
HYD QUE	HYDRANGEA QUERCIFOLIA OAKLEAF HYDRANGEA	#5 CONT	
ILE GLA	ILEX GLABRA 'COMPACTA' INKBERRY HOLLY	#5 CONT	
JUN CHI	JUNIPERUS CHINENSIS 'SEA GREEN' CHINESE JUNIPER	#5 CONT	
LEU SUP	LEUCANTHEMUM X SUPERBUM SHASTA DAISY	#1 CONT	
LIR MUS	LIRIOPE MUSCARI 'VARIEGATA' VARIEGATED LILYTURF	#1 CONT	
NAN DOM	NANDINA DOMESTICA 'FIREPOWER' DWARF HEAVENLY BAMBOO	#2 CONT	
PHY OPU	PHYSOCARPUS OPULIFOLIUS 'DIABLO' DIABLO NINEBARK	#5 CONT	
ROS RAD	ROSA 'RADRAZZ' KNOCKOUT ROSE - RED	#5 CONT	
VIB PU	VIBURNUM PUCATUM 'POPCORN' POPCORN DOUBLEFILE VIBURNUM	#5 CONT	
FES SOD	FESTUCA HYBRID DWARF FESCUE TURF	SOD	

- 

FESCUE SOD, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES
- 

SEEDED FESCUE GRASS, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES

SHEET NUMBER: PROJECT DESCRIPTION:

LA2-2
PLANTING PLAN

21-623 Missouri Southern State University Campus Improvements - Phase II

PROJECT NUMBER: 21-623

DATE: 6/25/21

DRAWN BY: JZ

CHECKED BY: JSFZ

3950 NEWMAN ROAD
JOPLIN, MO 64801

PROJECT ARCHITECT: JS

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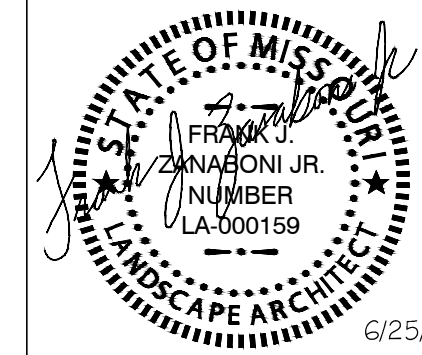
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

PARAGON
ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65806

PH: 417.885.0002

www.paragonarchitecture.com



6/25/21

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DL: 117 995 0002



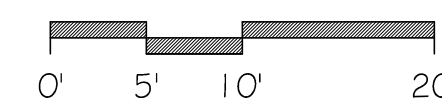
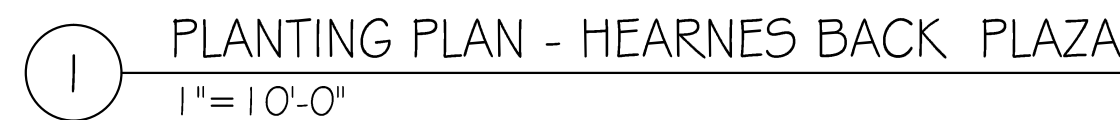
205 PARK CENTRAL EAST, SUITE 406

SHEET NUMBER:	PROJECT DESCRIPTION:
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LA2-4 21-623 M
PLANTING PLAN

PROJECT NUMBER: 21-623

DATE: 6/25/21
PROJECT ARCHITECT: JS
DRAWN BY: FZ



REFER TO SHEET LA2-0 FOR NOTES AND DETAILS

PLANT SCHEDULE

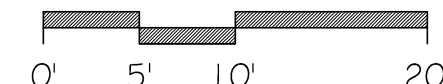
KEY	BOTANICAL NAME/COMMON NAME - TREES	SIZE	NOTES
CER CAN	CERCIS CANADENSIS' FOREST PANSY' FOREST PANSY REDBUD	1-1/2' CAL	
GIN BIL	GINKGO BILOBA 'FASTIGIATA' COLUMNAR GINKGO TREE	1-1/2' CAL	
GLE SUN	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST' THORNLESS HONEY LOCUST	1-1/2' CAL	
GLE TRI	GLEDITSIA TRIACANTHOS INERMIS 'IMPERIAL' THORNLESS HONEY LOCUST	1-1/2' CAL	
MAG STE	MAGNOLIA STELLATA STAR MAGNOLIA	#7 CONT	MULTI-TRUNK
QUE ROB	QUERCUS ROBUR 'FASTIGIATA' COLUMNAR ENGLISH OAK	1-1/2' CAL	
SOP JAP	SOPHORA JAPONICA 'REGENT' CHINESE SCHOLAR TREE	1-1/2' CAL	
THU OCC	THUJA OCCIDENTALIS 'TECHNY' AMERICAN ARBORVITAE	#7 CONT.	5' HGT.
ABE GRA	ABELIA X GRANDIFLORA KALEIDOSCOPE KALEIDOSCOPE ABELIA	#5 CONT	
BER THU	BERBERIS THUNBERGII 'ATROPURPUREA' JAPANESE BARBERRY	#2 CONT	
CHA PIS	CHAMAECYPARIS PISIFERA FILIFERA 'MOPS' GOLD MOP FALSECYPRESS	#5 CONT	
CHA LAT	CHASMANTHIUM LATIFOLIUM INDIAN WOOD OATS	#2 CONT	
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VIB PLI	VIBURNUM PLICATUM 'POPCORN' POPCORN DOUBLEFILE VIBURNUM	#5 CONT	
FES SOD	FESTUCA HYBRID DWARF FESSQUE TURF	SOD	

 FESCUE SOD, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES



SEEDED FESCUE GRASS, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES

PLANTING PLAN - HEARNES FRONT PLAZA
1"=10'-0"



NORTH



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(417) 849-3723

PROJECT DESCRIPTION:

LA2-5 21-623 M
PLANTING PLAN

PROJECT NUMBER: 21 622

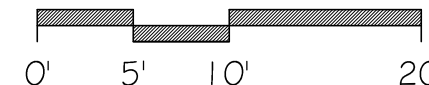
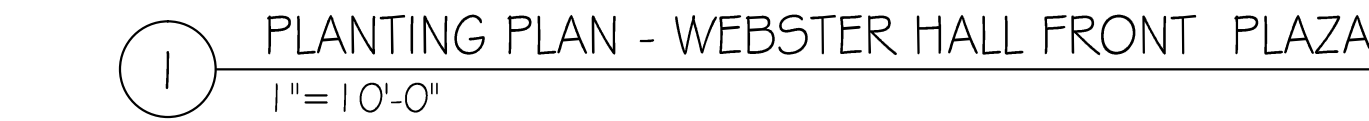
3950 NEWMAN ROAD
JOPLIN, MO 64801

PROJECT ARCHITECT: JS
DRAWN BY: FZ

PROJECT ARCHITECT: JS
DRAWN BY: FZ

DATE: 6/25/21

DATE: 6/25/21



NORTH

KEY	BOTANICAL NAME/COMMON NAME - TREES	SIZE	NOTES
CER CAN	CERCIS CANADENSIS 'FOREST PANSY' FOREST PANSY REDBUD	1-1 1/2' CAL	
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QUE ROB	QUERCUS ROBUR 'FASTIGIATA' COLUMNAR ENGLISH OAK	1-1 1/2' CAL	
SOP JAP	SOPHORA JAPONICA 'REGENT' CHINESE SCHOLAR TREE	1-1 1/2' CAL	
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ABE GRA	ABELIA X GRANDIFLORA 'KALEIDOSCOPE' KALEIDOSCOPE ABELIA	#5 CONT	
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CHA PIS	CHAMAECYPARIS PISIFERA FILIFERA 'MOPS' GOLD MOP FALSECYPRESS	#5 CONT	
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VIB PLI	VIBURNUM PLICATUM 'POPCORN' POPCORN DOUBLEFILE VIBURNUM	#5 CONT	
FES SOD	FESTUCA HYBRID DWARF FESCUE TURF	SOD	

FESCUE SOD, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES

SEEDED FESCUE GRASS, TYPICAL SYMBOL
REFER TO GENERAL PLANTING NOTES

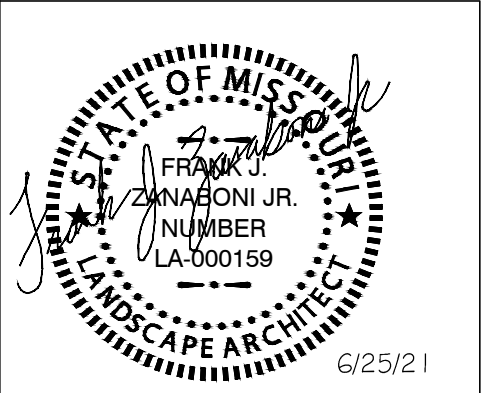


GENERAL IRRIGATION NOTES

1. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 60 PSI AND A MAXIMUM DEMAND OF 50 GPM AT THE POINT OF CONNECTION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AVAILABLE PRESSURE AND THE RESULTS OF PRESSURE TESTS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
2. THE IRRIGATION PLANS ARE DIAGRAMMATIC. ALL PIPES, VALVES, AND OTHER IRRIGATION EQUIPMENT SHOWN IN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTER BEDS AND OUT OF OPEN AREAS.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
4. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND ALL OTHER SUBCONTRACTORS FOR LOCATING PIPE SLEEVES THROUGH WALLS, UNDER PAVING, ETC.
5. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES AND OTHER UNDERGROUND OBSTRUCTIONS PRIOR TO PROCEEDING WITH ANY DIGGING OPERATIONS SO THAT PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR DAMAGE SUCH OBSTRUCTIONS. REFER TO CIVIL OR MEP PLANS FOR PROPOSED UTILITY LOCATIONS AND EXTERIOR LIGHTING LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES BOTH OVERHEAD AND UNDERGROUND.
6. INSTALL EQUIPMENT PER PLUMBING CODE AND CITY AND/OR COUNTY REQUIREMENTS.
7. THE LOCATION AND POWER SOURCE OF THE IRRIGATION CONTROLLER SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. QUICK COUPLER VALVES SHALL BE CONNECTED TO CONTINUOUS PRESSURE MAINLINES.
9. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING CONDITIONS.
10. ALL IRRIGATION HEADS SHALL BE ADJUSTED TO MINIMIZE OVER SPRAY ONTO WALKS, BUILDINGS, PAVING, AND OTHER HARDSCAPE FEATURES.
11. TRENCHING OPERATIONS SHALL NOT OCCUR UNDER THE DRIPLINE OF EXISTING TREES UNLESS ABSOLUTELY NECESSARY. IF CONDITIONS DO NOT ALLOW FOR TRENCHING TO BE DIRECTED AROUND THE DRIPLINE, THE TRENCHING SHALL BE DONE RADIAL WITH THE EXISTING TREE TRUNKS.
12. ALL SLEEVING SHALL EXTEND 12" PAST THE EDGES OF ALL PAVING AND CURBS AND BE CLEARLY MARKED FOR FUTURE USE.
13. ALL PVC FITTINGS SHALL BE SCHEDULE 40 PVC TYPE 1 AND MUST BE OF DOMESTIC MANUFACTURE. PVC SOLVENT CEMENT AND PRIMER SHALL BE AS RECOMMENDED/APPROVED BY THE MANUFACTURER OF THE PIPE.
14. FINAL ACCEPTANCE OF IRRIGATION SYSTEM WILL NOT BE GIVEN TO CONTRACTOR UNTIL SATISFACTORY DEMONSTRATION OF SYSTEM PERFORMANCE HAS BEEN SHOWN TO THE LANDSCAPE ARCHITECT/OWNER'S REPRESENTATIVE.
15. THE IRRIGATION CONTRACTOR SHALL GUARANTEE INSTALLATION AND MATERIALS FOR A PERIOD OF ONE YEAR.

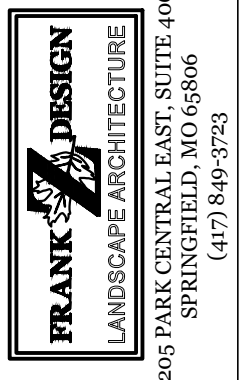
IRRIGATION LEGEND

SYMBOL	IRRIGATION COMPONENTS
	FIBCO 2', 825Y REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY.
	RAINBIRD QUICK-COUPLER VALVE, MODEL #3-RC.
	PRESSURE MAINLINE, 2" - PVC SCH 40.
	SLEEVE, PVC SCH 40, INSTALL 24" DEEP, 2X LINE SIZE OR AS NOTED.
NOTE: REFER TO SHEET LA3-1 FOR IRRIGATION DETAILS	

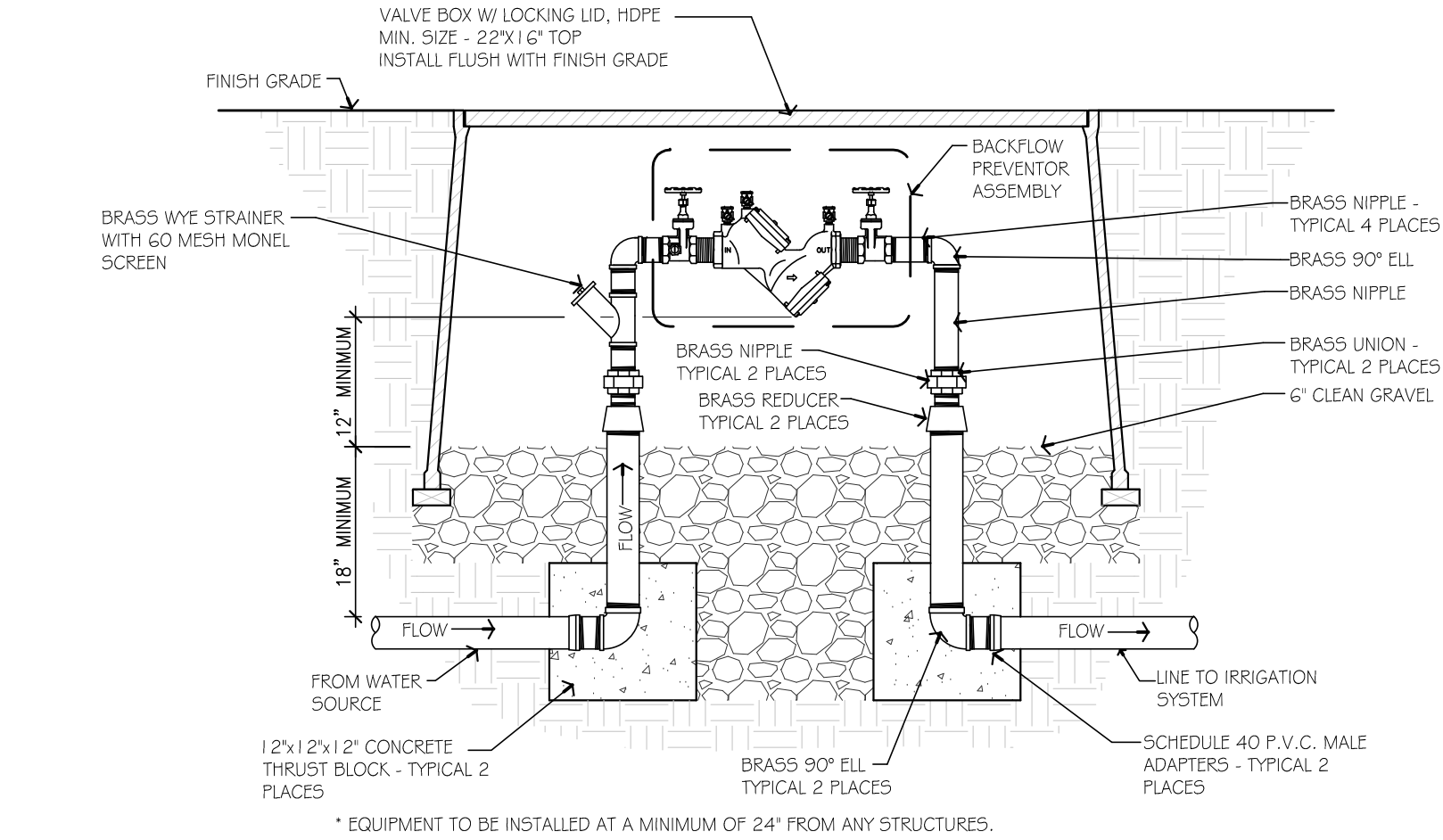


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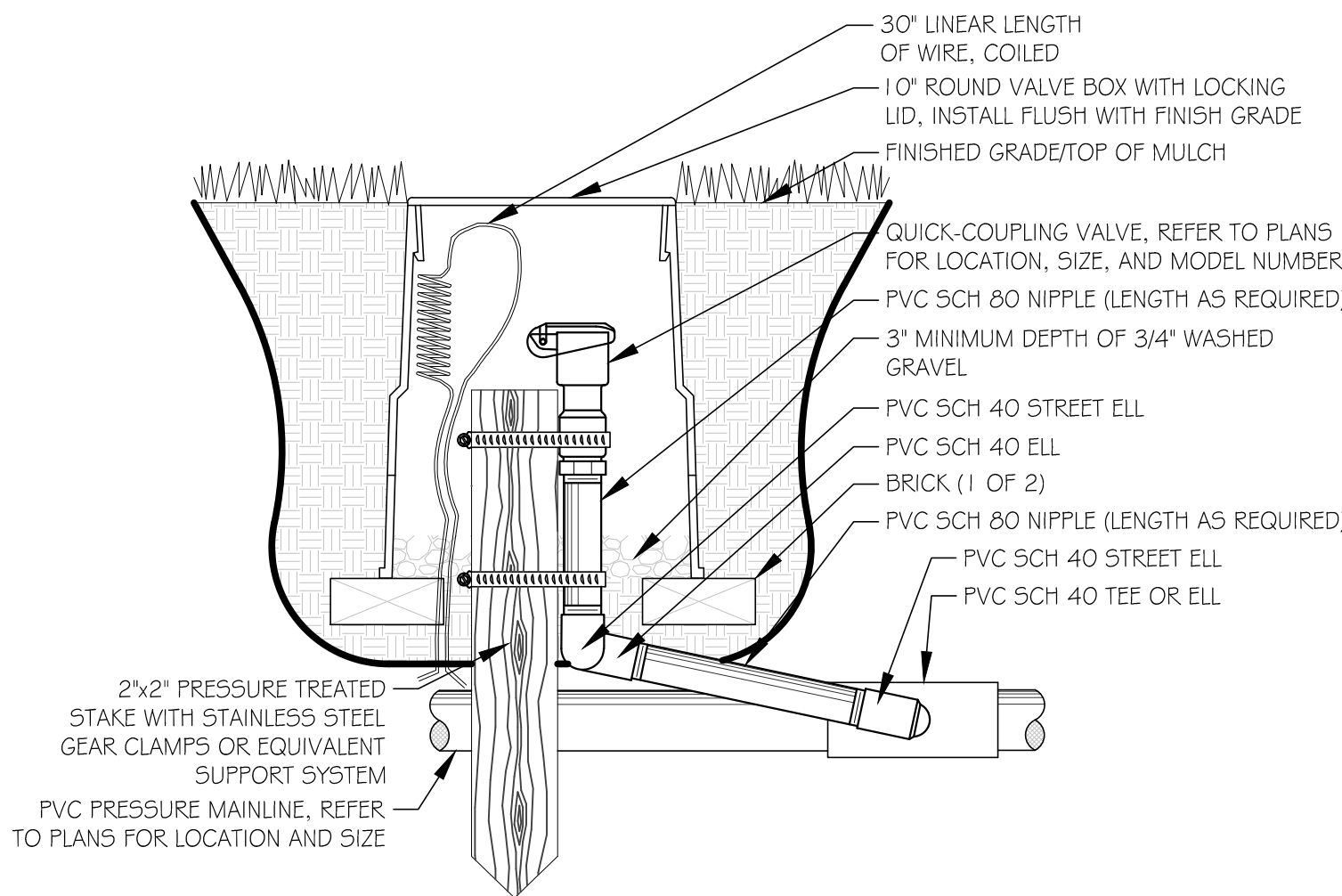
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415
PARAGON
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PROJECT DESCRIPTION:
LA3-0 21-623 Missouri Southern State University Campus Improvements - Phase II
IRRIGATION MAINLINE PLAN
PROJECT NUMBER:
21-623
DATE:
6/25/21
3950 NEWMAN ROAD
JOPLIN, MO 64801
PROJECT ARCHITECT: JS
DRAWN BY: FZ
CHECKED BY: JSFZ



1 BACKFLOW PREVENTER
N.T.S.



- NOTES:
1. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
 2. ORIENT RECTANGULAR VALVE BOXES SO THAT THE EDGES ARE PARALLEL TO ADJACENT WALKS, CURBS, ETC.
 3. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

2 QUICK COUPLER VALVE
N.T.S.



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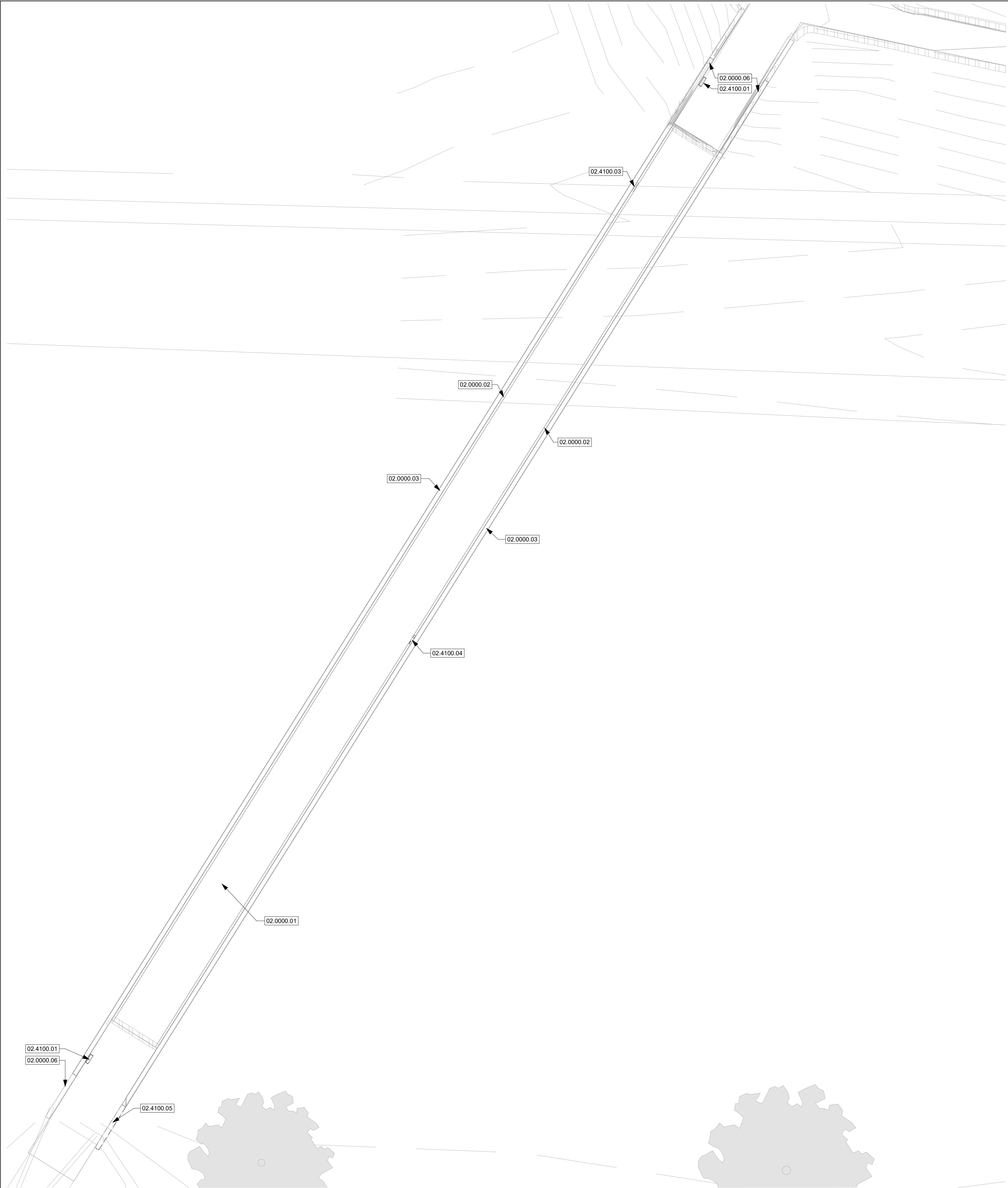
LA3-1 21-623 Missouri Southern State University Campus Improvements - Phase II IRRIGATION DETAILS/NOTES

PROJECT NUMBER:
21-623
DATE:
6/25/21
PROJECT ARCHITECT: JS
DRAWN BY: FZ
CHECKED BY: JSFZ

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2 DEMOLITION PLAN FIRST LEVEL
SCALE 1/8" = 1'-0"

TUNNEL GUTTER CHANNEL AT SOUTH ENTRANCE



SOUTH TUNNEL ENTRY LOOKING SOUTH



SOUTH TUNNEL ENTRY LOOKING NORTH



1 DEMOLITION REFERENCE PHOTOS

KEYNOTE LEGEND

02.0000.01	EXISTING CONCRETE FLOOR, EXISTING TO REMAIN. REMOVE ALL FLOOR FINISHES, POWER WASH, PATCH AND SEAL ALL CRACKS AS REQUIRED IN PREPARATION FOR NEW STAIN FINISHES.
02.0000.02	EXISTING CONCRETE DRAINAGE CHANNEL, EXISTING TO REMAIN. REMOVE ALL DEBRIS FROM CHANNEL PRIOR TO NEW CONSTRUCTION. PROJECT CHANNEL FROM DAMAGE THROUGHOUT DURATION OF DEMOLITION AND CONSTRUCTION.
02.0000.03	EXISTING CONCRETE WALL, EXISTING TO REMAIN. PATCH AND SEAL ALL CRACKS AS REQUIRED IN PREPARATION FOR NEW PAINT FINISHES.
02.0000.06	EXISTING CONCRETE WING WALL TO REMAIN. PATCH AND SEAL ALL CRACKS AS REQUIRED IN PREPARATION FOR NEW PAINT FINISH.
02.4100.01	EXISTING RECESSED MOUNTED LIGHTING FIXTURE TO BE REMOVED. SEE MEP FOR FURTHER INFORMATION.
02.4100.03	EXISTING RECESSED MOUNTED ELECTRICAL PANEL BOX TO BE REMOVED. SEE MEP FOR FURTHER INFORMATION.
02.4100.04	EXISTING WALL MOUNTED ELECTRICAL PANEL BOX TO BE REMOVED. SEE MEP FOR FURTHER INFORMATION.
02.4100.05	SOUTHEAST EXISTING CONCRETE WING WALL AND RAIL ABOVE TO BE REMOVED AND REPLACED. SEE CIVIL AND LANDSCAPING FOR FURTHER INFORMATION.

DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK IN OCCUPIED (INCLUDING ABOVE AND BELOW) SPACES AND SHALL NOTIFY THE OWNER TWO WEEKS PRIOR TO COMMENCING WORK. SUCH SPACES ARE TO REMAIN OCCUPIED DURING DEMOLITION AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO MINIMIZE DISRUPTIONS TO OCCUPANTS. PROTECT EXISTING FLOOR FINISHES FROM CONSTRUCTION TRAFFIC THROUGH OCCUPIED AREAS. EXISTING WALL, FLOOR AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED.
2. MAINTAIN PATH OF EGRESS AT ALL TIMES DURING CONSTRUCTION FOR EXISTING BUILDING OCCUPANTS. A MINIMUM CLEAR PATH OF EGRESS OF 4'-0" SHALL BE ENFORCED AT ALL TIMES.
3. WHEN DEMOLITION CAUSES DAMAGE TO FLOOR, WALL OR CEILING SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK, SUCH DAMAGE SHALL BE REPAIRED AS REQUIRED TO RECEIVE NEW FINISHES.
4. CONTRACTOR SHALL PROTECT ANY WALLS, DOORS, HARDWARE, LIGHTS, FIXTURES, FINISHES, CEILINGS, WINDOWS OR GLASS IN DOORS OR ANY OTHER EXISTING ELEMENTS TO REMAIN AND/OR DIRECTLY ADJACENT TO CONSTRUCTION AREAS. PROTECTION SHALL INCLUDE PLYWOOD OR OTHER SOLID PROTECTION TO PREVENT DAMAGE TO GLASS BY DEBRIS.
5. THE CONTRACTOR SHALL COVER AND PROTECT OWNER'S EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA.
6. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH ANY PHASING REQUIRED TO COMPLETE THE WORK.
7. MAKE ALL DEMOLITION CLEAN AND COMPLETE AND IN A MANNER SUITABLE TO ACCEPT NEW FINISHES AND/OR SURFACES.
8. REMOVE ALL EXISTING WALL MOUNTED ITEMS WITHIN THE PROJECT LIMIT AREA WHICH ARE NOT NOTED TO REMAIN. THE CONTRACTOR SHALL DISPOSE OF THESE ITEMS AFTER INSPECTION BY THE OWNER FOR FUTURE USE. IF ITEMS ARE REMOVED FROM WALLS THAT ARE TO REMAIN, THE CONTRACTOR SHALL PATCH WALLS AS REQUIRED TO RECEIVE NEW FINISHES AND/OR SURFACES.
9. DEMO ALL LIGHT FIXTURES, EXISTING CONDUIT, AND PANEL BOXES. POWER WASH AND PREPARE WALLS FOR NEW FINISHES.
10. SEAL ALL CRACKS AND DENTS CREATING A SMOOTH FINISH FOR NEW PAINT.
11. DEMOLITION FOR BUILDING SERVICES AND UTILITIES SHALL BE PERFORMED BY THE TRADE RESPONSIBLE FOR THAT UTILITY. FOR EXAMPLE, PLUMBING FIXTURES SHALL BE DEMOLISHED BY THE PLUMBING CONTRACTOR. OPENINGS FOR DEMOLISHED UTILITIES SHALL BE INFILLED BY TRADE RESPONSIBLE FOR PIPING, DUCT OR CONDUIT DEMOLITION. OPENINGS THROUGH FIRE-RATED CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION OR BE FIRESTOPPED.
12. REROUTE OR TERMINATE ALL CONNECTIONS OF BUILDING SYSTEMS PRIOR TO DEMOLITION. EXISTING BUILDING SYSTEMS SHALL REMAIN ACTIVE AT ALL TIMES OF REGULAR BUILDING USE UNLESS PROPERLY SCHEDULED. TEMPORARY SHUTDOWN IS COORDINATED AND APPROVED BY OWNER, CONSTRUCTION MANAGER, AND CONTRACTOR.
13. IF CONTRACTOR ENCOUNTERS DEMOLITION WHICH IS STRUCTURAL AND OR LOAD BEARING THAT HAS NOT BEEN IDENTIFIED IN DRAWINGS, THE CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY.
14. PROVIDE TEMPORARY SHORING OR BRACING OF EXISTING STRUCTURAL SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
15. SEE FLOOR PLANS, ELEVATIONS, DETAILS, AND OTHER DRAWINGS INCLUDED HEREIN FOR NEW CONSTRUCTION AND ITS EFFECT ON DEMOLITION ITEMS DESCRIBED HEREIN.
16. SEE SPECIFICATIONS FOR DISPOSAL OR SALVAGE OF ALL DEMOLISHED MATERIALS AND DEBRIS. ALL DEMOLISHED ITEMS AND MATERIALS THAT ARE NOT TURNED OVER TO OWNER SHALL BE REMOVED FROM THE BUILDING AND PROJECT SITE AND DISPOSED OF OFF-SITE IN A PROPER AND LEGAL MANNER.
17. DEMOLITION IDENTIFIED AS "COMPLETE" ARE TO BE FULLY DEMOLISHED INCLUDING ASSOCIATED FASTENERS, MASTIC, BLOCKING, AND ACCESSORIES TO THAT ITEM(S).
18. ANY ITEM(S) INDICATED TO BE SALVAGED FOR REINSTALLATION OR TURNED OVER TO OWNER SHOULD BE PHOTOGRAPHED AND COPIES OF THE PHOTOGRAPHS SENT TO THE ARCHITECT AND OWNER WITHIN 10 DAYS OF REMOVAL. ITEMS TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND PROPERLY STORED BY CONTRACTOR UNTIL TURNED OVER TO OWNER. COORDINATE STORAGE AND TIMELINE OF TURNING OVER THE SALVAGED ITEMS TO OWNER, WITH OWNER.
19. IF CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS, WORK IN AREA IS TO BE SUSPENDED AND CONTRACTOR MUST NOTIFY THE ARCHITECT AND OWNER IMMEDIATELY FOR MATERIAL TESTING.



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MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

PARAGON

ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65806
PH: 417.885.0002

www.paragonarchitecture.com

REVISION SCHEDULE

A0-0 MSSU CAMPUS IMPROVEMENTS
TUNNEL DEMOLITION

3950 NEWMAN ROAD
JOPLIN, MO 64601

PROJECT NUMBER:
21-623


PROJECT ARCHITECT: JS
DRAWN BY: JS
CHECKED BY: JS

DATE:
06/25/21

PROJECT DESCRIPTION:

SHEET NUMBER:



SHEET NUMBER: A0-1	PROJECT DESCRIPTION: MSSU CAMPUS IMPROVEMENTS TUNNEL DEMOLITION	MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415
		
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<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> REVISION SCHEDULE </div> <div style="text-align: center;"> <h1 style="margin: 0;">PARAGON</h1> <h2 style="margin: 0;">ARCHITECTURE</h2> <p>637 COLLEGE STREET, SPRINGFIELD, MO 65806</p> <p>PH: 417.885.0002</p> <p>www.paragonarchitecture.com</p> </div> </div>		
PROJECT NUMBER: 21-623	3950 NEWMAN ROAD JOPLIN, MO 64801	
DATE: 06/25/21	PROJECT ARCHITECT: JS CHECKED BY: JS/JS	

[illegible]

PERSONAL AND COMMERCIAL PHOTOGRAPHY

P A R A G O N

ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65806

A1-0

AN/717

03.0000.01	NEW CONCRETE WING WALL. REFER TO CIVIL AND LANDSCAPING FOR ADDITIONAL INFORMATION.
07.4213.15	PANEL END CLOSURE AND FLASHING PER MANUFACTURER RECOMMENDATIONS. ALL SIMILAR TRIMS TO MATCH MATERIAL, THICKNESS, AND FINISH OF METAL PANELS.
07.4213.14	PANEL SUPPORT AND FLASHING PER MANUFACTURER RECOMMENDATIONS. ALL SIMILAR TRIMS TO MATCH MATERIAL, THICKNESS AND FINISH OF METAL PANELS. ALSO CEILING LINEAR LIGHTING TRIMS TO CREATE CONTINUOUS LINE.
09.9110.03	PAINT ALL EXPOSED CONCRETE WALLS, CONDUIT AND NEW PANELS.
09.9131.06	STAIN AND SEAL EXISTING CONCRETE FLOOR TO MATCH 2 SHADES DARKER THAN COLOR OF ADJACENT EXTERIOR PLAZA HARDSCAPING. PROVIDE SAMPLES FOR OWNERS REVIEW AND APPROVAL PRIOR TO INSTALLATION. SEE FINISH LEGEND FOR FURTHER INFORMATION.
09.9300.02	STAIN AND SEAL EXISTING CONCRETE FLOOR TO MATCH COLOR OF ADJACENT EXTERIOR PLAZA HARDSCAPING. PROVIDE SAMPLES FOR OWNERS REVIEW AND APPROVAL PRIOR TO INSTALLATION. SEE FINISH LEGEND FOR FURTHER INFORMATION.
09.9300.03	CONCRETE FLOOR STAIN TO CONTINUE OUTSIDE TUNNEL AND TERMINATE AT NEW HARDSCAPING ENTRY.
21.5010.01	LINEAR LIGHTING FIXTURE. SEE MEP FOR ADDITIONAL INFORMATION.
26.5210.09	EMERGENCY AND EXIT LIGHTING. SEE MEP

TAG	CONSTRUCTION DESCRIPTION
00.01	DIGITALLY PRINTED VINYL GRAPHIC OVER 7/8" METAL HAT CHANNEL FURRING AT 24" O.C. OVER EXISTING CONCRETE WALL
00.02	METAL PANELS OVER 7/8" METAL HAT CHANNEL FURRING AT 24" O.C. OVER EXISTING CONCRETE WALL

TYPE	DESCRIPTION
C4	METAL PANELS OVER 7/8" HAT CHANNEL FURRING AT 16" O.C. OVER EXISTING CONCRETE CEILING.

1. ALL EXPOSED STRUCTURE, FRAMING, DUCTWORK, MECHANICAL, AND ELECTRICAL ITEMS TO BE PAINTED WITH DRYPAINT PAINT, TYP. UNLESS NOTED OTHERWISE.
2. COORDINATE REFLECTED CEILING PLAN WITH LIGHTING AND MECHANICAL PLANS FOR LIGHT FIXTURES AND DIFFUSER PLACEMENT. CONTACT ARCHITECT IF DISCREPANCIES OCCUR.
3. LIGHTING AND EXPOSED MECHANICAL EQUIPMENT SHOWN FOR REFERENCE ONLY. REFER TO LIGHTING SCHEDULE SHEET FOR SCHEDULED EQUIPMENT.
4. REFER TO GENERAL NOTES ON FLOOR PLAN SHEET FOR TYPICAL GENERAL NOTES WHICH APPLY HEREIN.
5. PROVIDE APPROPRIATE FINISH AND/OR TRIM AT ALL PENETRATIONS IN WALL/DECK AT EXPOSED FINISH CEILING LOCATIONS. CONTRACTOR SHALL PROVIDE SEALANT AND BACKER ROD AT ALL MINOR GAPS AT EXPOSED PENETRATIONS. AT LARGE GAP OR ROUGH CUT PENETRATIONS CONTRACTOR SHALL PROVIDE SHEET METAL TRIM NECESSARY FOR PROPER WEATHERBANDING.

1. ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. IN CASE OF EXISTING STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMMENCEMENT OF WORK AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES.
2. GENERAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK AND PROVIDE ALL NECESSARY CONSTRUCTION TO FACILITATE WORK INCLUDING BUT NOT LIMITED TO ROOMS, OPENINGS, EQUIPMENT SUPPORTS, AND BACKING, ETC.
3. PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO INSTALL EQUIPMENT. VERIFY WITH OWNER THAT ALL ADDITIONAL FURTHER REQUIREMENTS THAT REQUIRE BLOCKING.
4. 100'-0" FLOOR ELEVATION INDICATED ON ARCHITECTURAL DRAWINGS IS AT ELEVATION 100'-0". SEE CIVIL DRAWINGS FOR ACTUAL ELEVATION.

1. EXTERIOR WALL CONSTRUCTION IS DESCRIBED IN WALL SECTIONS. INTERIOR WALL TYPES ARE DESCRIBED BY THEIR DENOTED WALL TYPES / WALL SECTIONS HEREIN.
2. ANY WALL CONSTRUCTION NOT NOTED WITH A PARTITION TYPE WALL SHALL BE CLARIFIED FOR INTERPRETATION BY THE ARCHITECT PRIOR TO BIDDING.
3. THESE WALL SECTIONS INDICATE PRIMARY WALL TYPE, OVERLAP VENEERS, WAINSCOT, PILASTERS, PAINT WALL COVERINGS, ETC. ARE INDICATED. FLOOR FINISHES, FINISH PLASTER, INTERIOR ELEVATIONS, SCHEDULES, SPECIFICATIONS OR OTHER DETAILS.
4. INTERIOR NON-LOAD BEARING WALLS SHALL BE INSTALLED PER METAL STUD PARTITIONERS LIMITING HEIGHT, GAGE INFORMATION. INTERIOR WALL FRAMING TO ACCOMMODATE A LATERAL LOAD OF 1-1/2 POUNDS PER SQUARE FOOT (PSF) WITH A DEFLECTION LIMIT OF L/240.
5. DESIGN OF LIGHT-GAUGE METAL FRAMING INCLUDING ALL LOAD BEARING AND NON-LOAD BEARING WALLS) AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS & CALCULATIONS SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWING SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR DOCUMENTS REGARDING ARRANGEMENT AND SIZE OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT BE AN INDICATION OF FULL RESPONSIBILITY FOR THE DESIGN OF THE MEMBERS AND THEIR CONNECTIONS.

PARTITION TAG IS COMPRISED OF THREE PARTS AS NOTED BELOW:

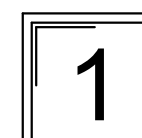
PARTITION RATING
00 = NON-RATED PARTITION
01 = 1-HOUR RATED PARTITION
02 = 2-HOUR RATED PARTITION

PARTITION TYPE
REFER TO DESCRIPTION IN
PARTITION TYPE
SCHEDULE

PARTITION TERMINATION
REFER TO TOP OF
PARTITION LEGEND

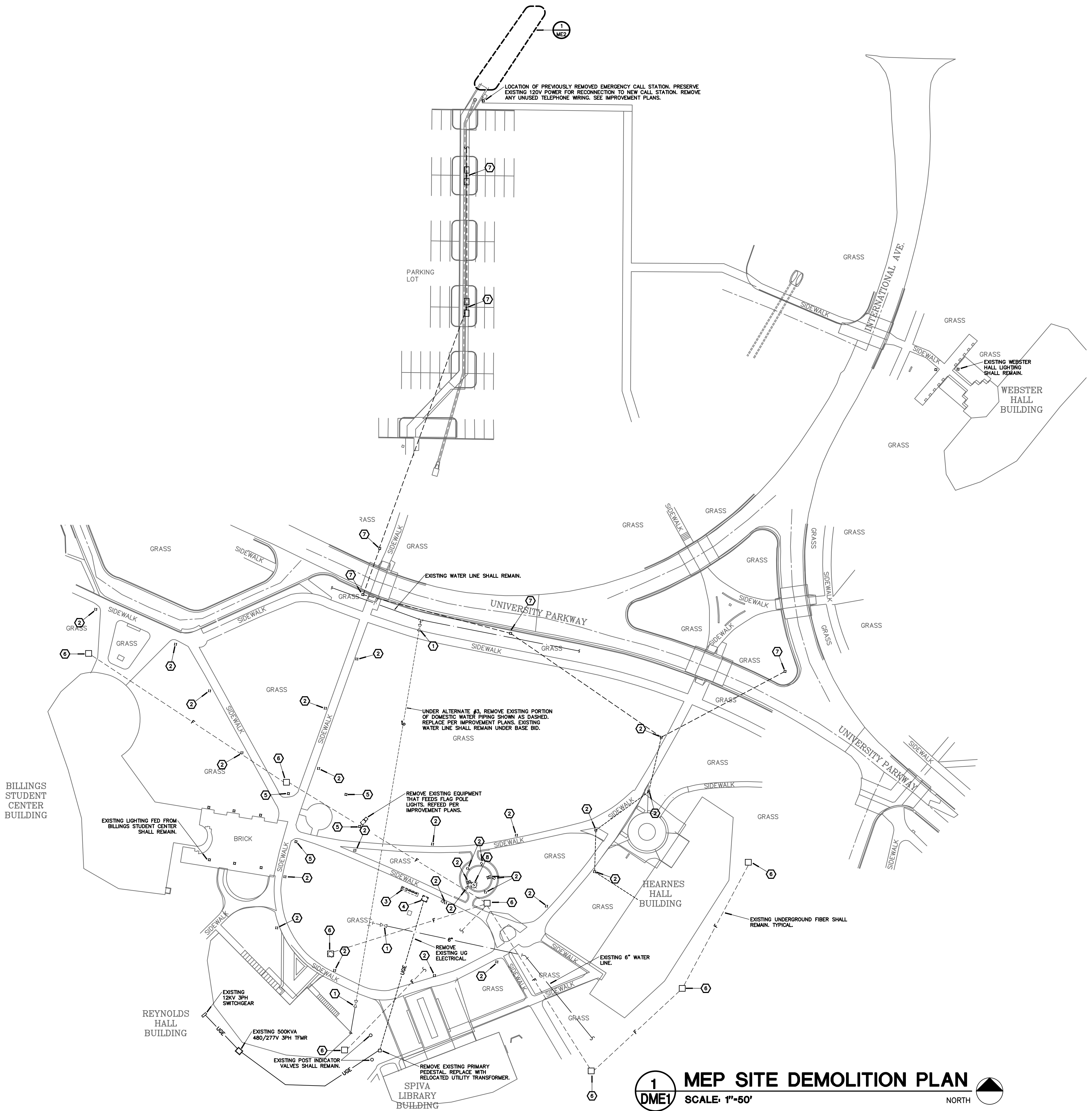
XX.XX.X

REFLECTED CEILING PLAN FIRST LEVEL



FLOOR PLAN FIRST LEVEL





- ### NOTES:
- 1 UNDER ALTERNATE #3, REMOVE EXISTING DOMESTIC WATER SHUTOFF VALVES. REPLACE WITH NEW PER IMPROVEMENT PLANS. UNDER BASE BID, EXISTING COMPONENTS SHALL REMAIN.
 - 2 REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED WIRING.
 - 3 REMOVE EXISTING PANEL, DISCONNECT SWITCHES, RECEPTACLES, CONTACTORS, ETC. REMOVE EXISTING UNISTRUT RACK AND CONCRETE BASE.
 - 4 COORDINATE WITH UTILITY TO REMOVE AND RELOCATE EXISTING TRANSFORMER TO NEW LOCATION AS SHOWN ON IMPROVEMENT PLANS. REMOVE EXISTING CONCRETE PAD.
 - 5 EXISTING FLAG POLE LIGHT FIXTURES SHALL REMAIN. REFEED POWER PER IMPROVEMENT PLANS.
 - 6 EXISTING FIBER PULL BOX SHALL REMAIN.
 - 7 EXISTING LIGHTING DOWNSTREAM OF DEMO AREA SHALL REMAIN. MAINTAIN POWER FEEDS TO ALL DOWNSTREAM FIXTURES. PROVIDE NEW WIRING AS NECESSARY.
 - 8 REMOVE EXISTING RECEPTACLE AND ASSOCIATED WIRING.

- ### GENERAL DEMOLITION NOTES:
1. INFORMATION ON THESE DRAWINGS REPRESENT INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
 2. FOR ALL EXISTING FIXTURES, RECEPTACLES, WIRING, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL.
 3. CONTRACTOR SHALL MAINTAIN POWER AND CONTROLS TO ALL LIGHTING FIXTURES THAT ARE EXISTING TO REMAIN.
 4. REFERENCE ARCHITECT'S BID FORM FOR DESCRIPTIONS OF ALL ALTERNATE BIDS.
 5. REMOVE ALL UNUSED WIRING. REMOVE UNUSED CONDUIT WHERE EXPOSED.
 6. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL UTILITY LOCATIONS AT THE SITE. MANY EXISTING UTILITIES ARE NOT SHOWN ON THESE PLANS FOR CLARITY. CONTACT UNIVERSITY FOR ADDITIONAL UTILITY MAPS. CONTRACTOR SHALL MAKE ALL EFFORTS TO NOT DAMAGE EXISTING UTILITIES.

MISSOURI STATE CERTIFICATE OF AUTHORITY #A-2010000415

STATE OF MISSOURI

JENNIFER A. LUCE

REGISTERED PROFESSIONAL ENGINEER

E-2001018772

06.25.21

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PARAGON ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65805

PH: 417.885.0002

www.paragonarchitecture.com

PROJECT DESCRIPTION:

MISSOURI SOUTHERN STATE UNIVERSITY CAMPUS IMPROVEMENTS

MEP SITE DEMOLITION PLAN

PROJECT NUMBER:

21-623

DATE:

06/25/2021

3950 NEWMAN ROAD

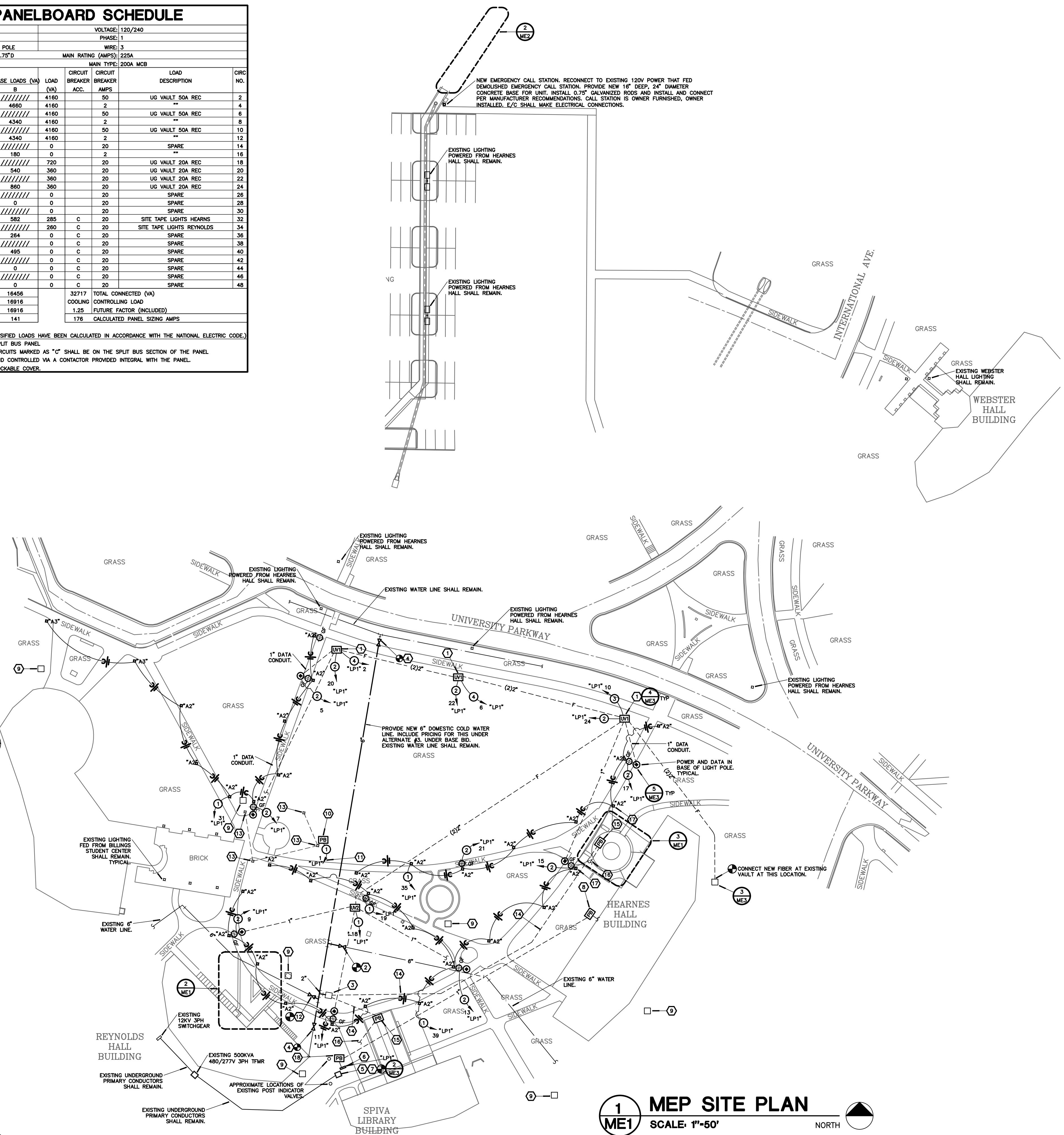
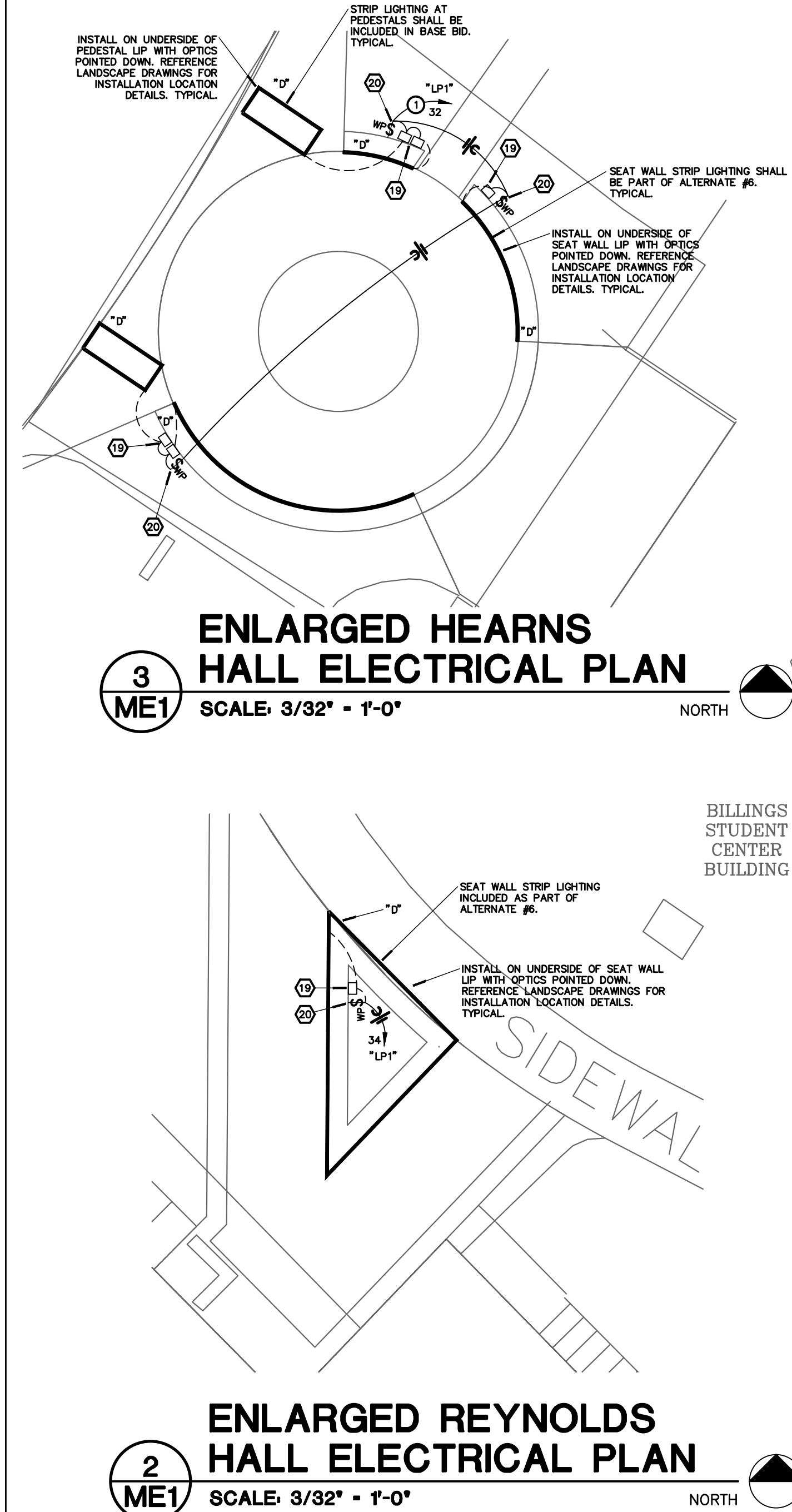
JOPLIN, MO 64801

PROJECT ENGINEER: JAL

DRAWN BY: TSE

CHECKED BY: JAL

CIRCUIT BREAKER PANELBOARD SCHEDULE													
PANELBOARD DESIGNATION: "LP1"		MANUFACTURER: SQUARE D				VOLTAGE: 120/240							
		TYPE: NQ				PHASE: 1							
		ENCLOSURE/SPACES: NEMA 3R / 30/18 POLE				WIRE: 3							
		MOUNTING/MAX. DIMENSION: SURFACE / 20" Wx5.75" D				MAIN RATING (AMPS): 225A							
		MIN. A.C. RATING (AMPS): 22000				MAIN TYPE: 200A MCB							
CIR. NO.	LOAD DESCRIPTION	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER ACC.	LOAD (VA)	PHASE LOADS (VA)		LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER ACC.	LOAD DESCRIPTION	CIR. NO.		
					A	B							
1	FLAG POLE LIGHTS	20		500	4680	4680	4160	50		UG VAULT SOA REC	2		
3	"	2		500	4680	4680	4160	2		"	4		
5	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	50		UG VAULT SOA REC	6		
7	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	2		"	8		
9	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	50		UG VAULT SOA REC	10		
11	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	2		"	12		
13	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	0		SPARE	14		
15	LIGHT POLE RECEPTACLE	20		180	4340	4340	4160	2		"	16		
17	LIGHT POLE RECEPTACLE	20		180	900	900	720	20		UG VAULT 20A REC	18		
19	LIGHT POLE RECEPTACLE	20		180	900	900	360	20		UG VAULT 20A REC	20		
21	LIGHT POLE RECEPTACLE	20		180	540	540	360	20		UG VAULT 20A REC	22		
23	IRRIGATION CONTROL RECEPT.	20		500	4680	4680	360	20		UG VAULT 20A REC	24		
25	CONV. RECEPT.	20		180	180	180	0	20		SPARE	26		
27	SPARE	20		0	0	0	0	20		SPARE	28		
29	SPARE	20		0	0	0	0	20		SPARE	30		
31	NEW SITE LIGHTING	20	C	287	0	0	285	C	20	SITE TAPE LIGHTS HEARNES	32		
33	"	2		287	0	0	280	C	20	SITE TAPE LIGHTS REYNOLDS	34		
35	NEW SITE LIGHTING	20	C	264	0	0	264	C	20	SPARE	36		
37	"	2		264	264	264	0	C	20	SPARE	38		
39	NEW SITE LIGHTING	20	C	495	0	0	495	C	20	SPARE	40		
41	"	2		495	495	495	0	C	20	SPARE	42		
43	SPARE	20	C	0	0	0	0	C	20	SPARE	44		
45	"	2		0	0	0	0	C	20	SPARE	46		
47	SPARE	20	C	0	0	0	0	C	20	SPARE	48		
				CONNECTED SUBTOTAL (VA):		16261		16456					
				DIVERSIFIED COOLING TOTAL (VA):		16718		16916					
				DIVERSIFIED HEATING TOTAL (VA):		16718		16916					
				PHASE LOADS (AMPS):		140		141					
CIRCUIT BREAKER ACC. ABBREVIATIONS:													
GFI - GROUND-FAULT CIRCUIT INTERRUPTER													
AF - ARC-FAULT CIRCUIT INTERRUPTER													
ST - SHUNT TRIP													
HL-ON - HANDLE-LOCK ON DEVICE													
HL-OFF - HANDLE-LOCK OFF DEVICE													
EPD - EQUIPMENT PROTECTION DEVICE													
PANEL NOTES/ACCESSORIES:													
1 SPLIT BUS PANEL													
2 CIRCUITS MARKED AS "C" SHALL BE ON THE SPLIT BUS SECTION OF THE PANEL													
AND CONTROLLED VIA A CONTACTOR PROVIDED INTEGRAL WITH THE PANEL.													
3 LOCKABLE COVER.													
(* DIVERSIFIED LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.)													
COOLING CONTROLLING LOAD													
FUTURE FACTOR (INCLUDED)													
176 CALCULATED PANEL SIZING AMPS													



- ### NOTES:
- UNDERGROUND UTILITY VAULT. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.
 - RECONNECT EXISTING 6" WATER LINE TO NEW WATER LINE AS SHOWN. REPLACE EXISTING SHUT OFF VALVE IN EXISTING VALVE BOX WITH NEW BELOW GRADE GATE VALVE WITH STAINLESS STEEL STEM, POSITION INDICATOR, AND 2" WRENCH STEM NUT. FIELD VERIFY EXACT LOCATION AND DEPTH OF EXISTING WATER LINE. WORK SHALL BE INCLUDED UNDER WATER PIPE REPLACEMENT ALTERNATE BID.
 - SHUT OFF VALVE FOR CONNECTION TO IRRIGATION SYSTEM IN ACCESSIBLE VALVE BOX. PROVIDE DUCT METER FOR IRRIGATION. BACKFLOW PREVENTER SHALL BE INSTALLED IN BOX. REFERENCE LANDSCAPING PLANS FOR BACKFLOW PREVENTER SIZE AND SPEC. UNDER BASE BID. CONNECT NEW 2" LINE TO EXISTING 6" LINE IN THIS AREA. UNDER ALTERNATE #3, CONNECT NEW 2" LINE TO NEW 6" LINE AS SHOWN.
 - CONNECT NEW 6" COLD WATER PIPE TO EXISTING AT THIS LOCATION. PROVIDE BELOW GRADE GATE VALVE WITH STAINLESS STEEL STEM, POSITION INDICATOR, 2" WRENCH STEM NUT, UL LISTED FOR POTABLE WATER WITH SHUT OFF VALVE BOX RISER AND "WATER" SOLID COVER. WORK SHALL BE INCLUDED UNDER ALTERNATE #3.
 - NEW LOCATION OF EXISTING TRANSFORMER. COORDINATE ALL REQUIREMENTS WITH UTILITY. PROVIDE NEW PAD PER UTILITY SPECIFICATIONS.
 - NEW 120/240V 1PH, 3W PANEL. PROVIDE NEW UNISTRUT RACK FOR MOUNTING AND NEW SECONDARY CONDUCTORS. MAINTAIN ALL UTILITY TRANSFORMER CLEARANCES.
 - UTILITY SHALL CONNECT EXISTING PRIMARY CONDUCTORS TO RELOCATED UTILITY TRANSFORMER. COORDINATE ALL REQUIREMENTS WITH UTILITY PRIOR TO ANY WORK.
 - SET NEW PULL BOX IN GRASSY AREA IN FRONT OF HEARNES HALL FOR METASYS. PROVIDE CONNECTION TO EXISTING METASYS CONTROL SYSTEM.
 - EXISTING FIBER VAULT.
 - SET NEW PULL BOX IN LOCATION NEAR DEMOLISHED ELECTRICAL EQUIPMENT WHERE EXISTING FLAG POLE LIGHT CONDUCTORS ARE LOCATED. COORDINATE EXISTING CONDUCTORS IN THIS BOX TO NEW CONDUCTORS FED FROM NEW PANEL.
 - ROUTE CIRCUIT THRU PHOTOCELL NEAR PANEL FOR CONTROL. IT IS ASSUMED THAT THE EXISTING LIGHTING IS 240V. FIELD VERIFY EXISTING VOLTAGE PRIOR TO ORDERING ANY EQUIPMENT OR PERFORMING ANY WORK. NOTIFY ENGINEER IF EXISTING VOLTAGE DIFFERS FROM PLANS.
 - RECONNECT EXISTING 6" WATER LINE TO NEW WATER LINE AS SHOWN. PROVIDE NEW SHUT OFF VALVE IN NEW VALVE BOX. FIELD VERIFY EXACT LOCATION AND DEPTH OF EXISTING WATER LINE. WORK SHALL BE INCLUDED UNDER ALTERNATE #3. UNDER BASE BID ALL EXISTING COMPONENTS SHALL REMAIN.
 - EXISTING FLAG POLE LIGHTS SHALL REMAIN. RE-FEED FROM NEW PANEL AS SHOWN.
 - (2) 1" CONDUITS WITH PULL WIRE FOR FUTURE FOUNTAIN/LANDSCAPE LIGHTING POWER AND (1) 2" PVC CONDUIT SLEEVE FOR IRRIGATION WATER PIPING. COORDINATE EXACT ROUTING WITH LANDSCAPE DRAWINGS. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED.
 - TERMINATE LANDSCAPE/FOUNTAIN POWER AND WATER CONDUITS IN ACCESSIBLE BOX NEAR FUTURE FOUNTAIN LOCATION. COORDINATE WITH LANDSCAPE DRAWINGS FOR EXACT TERMINATION LOCATION.
 - 1" CONDUIT WITH PULL WIRE ROUTED BACK TO IRRIGATION CONTROL PANEL ON UNISTRUT RACK NEAR PANEL "LP1".
 - REFERENCE LANDSCAPE PLANS FOR EXACT LOCATION OF THIS FIXTURE.
 - SET PULL BOX NEAR THIS LOCATION FOR METASYS CONTROL. WIRING FOR LIGHTING CONTACTOR AND IRRIGATION CONTROL.
 - COORDINATE EXACT LOCATION OF STRIP LIGHT DIMMING DRIVER IN FIELD. INSTALL IN DISCREET BUT ACCESSIBLE LOCATION. PROVIDE LOW VOLTAGE WIRING IN CONDUIT ROUTED TO EACH STRIP LIGHT LOCATION. ALL CONDUIT SHALL BE CONCEALED. PROVIDE TOTAL NUMBER OF DIMMING DRIVERS AS REQUIRED TO MEET THE DESIGN INTENT.
 - 0-10V DIMMING SWITCH(ES) IN LOCKABLE WEATHERPROOF ENCLOSURE TO SET MAX LIGHT LEVEL OF TAPE LIGHTING. INSTALL ADJACENT TO DIMMING DRIVERS. PROVIDE ALL 0-10V DIMMING WIRING. PROVIDE NUMBER OF SWITCHES AS REQUIRED TO MEET DESIGN INTENT.
- ### BRANCH CIRCUIT & FEEDER SCHEDULE:
- (2) #10 AND (1) #10 GROUND IN 0.75" CONDUIT.
 - (2) #8 AND (1) #8 GROUND IN 0.75" CONDUIT.
 - (3) #3 AND (1) #4 GROUND IN 1.25" CONDUIT.
 - (3) #4 AND (1) #4 GROUND IN 1.25" CONDUIT.
- ### GENERAL NOTES:
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE AND THE 2017 NATIONAL ELECTRIC CODE AS ADOPTED BY THE CITY OF JOPLIN, MISSOURI.
 - FOR ALL MEP QUESTIONS, CONTACT RTM ENGINEERING CONSULTANTS AT 417-881-0020. CONTACT PERSON: TYLER ENNERRO.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
 - THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE PREMISES.
 - PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
 - ALL POWER CIRCUITS SHALL HAVE A GROUNDING CONDUCTOR.
 - CONTRACTOR SHALL CONTACT THE LOCAL ELECTRICAL UTILITY COMPANY AND ARRANGE FOR CHARGES TO THE ELECTRIC SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR ELECTRIC SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES. CONTACT LIBERTY UTILITIES: KENT SLINKER, KENT.SLINKER@LIBERTYUTILITIES.COM, 417-626-6871; OR SCOTT SULLIVAN, SCOTT.SULLIVAN@LIBERTYUTILITIES.COM, 417-626-5981.
 - THE CONTRACTOR SHALL CONTACT THE OWNER AND COORDINATE ALL OUTAGES 5 BUSINESS DAYS PRIOR TO ANY SHUT-OFF OF SERVICES.
 - CONTRACTOR SHALL PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.
 - PROVIDE PULL BOXES AS NECESSARY.
 - SOME WIRE SIZES FOR RECEPTACLES ON THIS SHEET HAVE BEEN INCREASED DUE TO VOLTAGE DROP. CONTRACTOR MAY SET BOX NEAR FINAL CONNECTION LOCATION AND TRANSITION TO NATIONAL ELECTRICAL CODE MINIMUM REQUIRED WIRE SIZE FOR FINAL CONNECTION TO RECEPTACLE.
 - CONTRACTOR SHALL INSTALL SITE LIGHTS SUCH THAT THE OPTICS AND LIGHT DISTRIBUTION PATTERN PROPERLY ILLUMINATE THE WALKWAYS.
 - CONTRACTOR TO ADHERE TO PHASING REQUIREMENTS PER ARCHITECTURAL PLANS.
 - INFORMATION ON THESE DRAWINGS REPRESENT INFORMATION FROM OLD DRAWINGS AND LIMITED SITE OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
 - REFERENCE ARCHITECT'S BID FORM FOR DESCRIPTIONS OF ALL ALTERNATE BIDS.
 - CONTRACTOR SHALL INSTALL TRACER WIRE ABOVE ALL UNDERGROUND CONDUITS.
 - ALL UNDERGROUND PULL BOXES SHALL BE QUARTZITE TYPE WITH TIER 5 RATED LID AND FLUSH WITH GRADE UNLESS NOTED OTHERWISE.
 - OWNER SHALL COORDINATE ALL METASYS PROGRAMMING FOR EXTERIOR LIGHTING WITH ASSOCIATED VENDOR. THIS CONTRACTOR SHALL COORDINATE WITH JOHNSON CONTROLS AND INCLUDE ALL WIRING, TERMINATION, CONDUIT, ETC. FOR INSTALLATION. COORDINATE WORK WITH DUSTIN BROWN, DUSTIN.W.BROWN@JCI.COM.

JENNIFER A. LUCE

E-2001018772

STATE OF MISSOURI

REGISTERED PROFESSIONAL ENGINEER

06.25.21

MISSOURI STATE CERTIFICATE OF AUTHORITY #A-2018000415

PARAGON ARCHITECTURE

637 COLLEGE STREET, SPRINGFIELD, MO 65805

PH: 417.885.0002

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3950 NEWMAN ROAD

JOPLIN, MO 64801

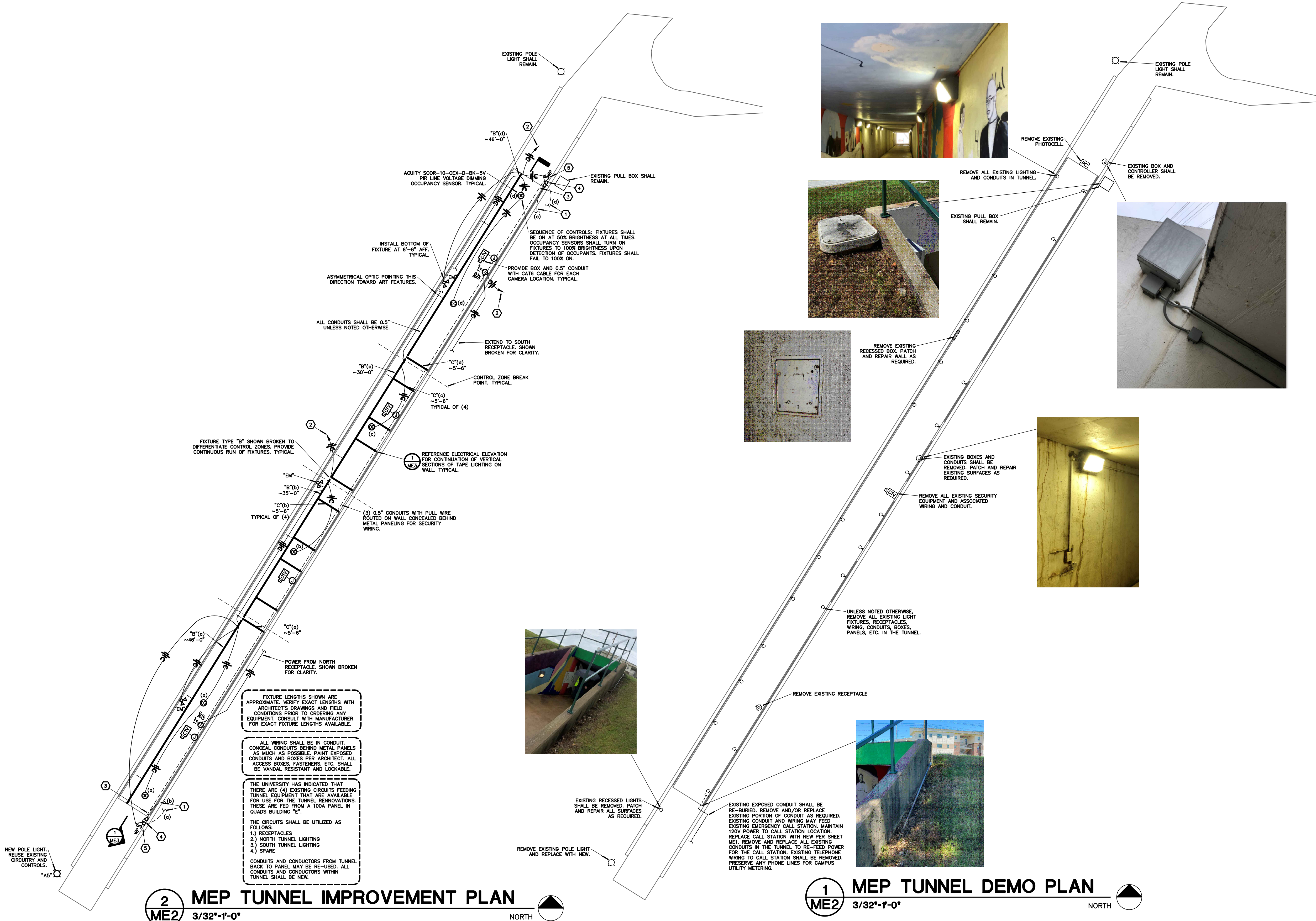
PROJECT NUMBER: 21-623

DATE: 06/25/2021

PROJECT DESCRIPTION:

MISSOURI SOUTHERN STATE UNIVERSITY CAMPUS IMPROVEMENTS

SHEET NUMBER: ME1 MEP SITE PLAN



NOTES:

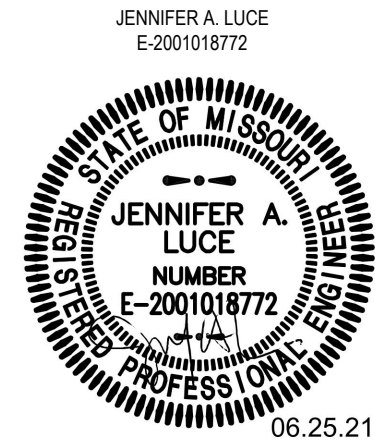
- EXTEND LOW VOLTAGE WIRING FROM REMOTE DIMMING DRIVER TO TYPE "C" FIXTURES. SIZE LOW VOLTAGE WIRING FOR WIRING LENGTHS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ROUTE CIRCUIT BACK TO EXISTING PANEL IN QUADS BUILDING "E". CONTRACTOR MAY RE-USE CONDUITS AND CONDUCTORS FROM TUNNEL BACK TO PANEL. ALL CONDUITS AND CONDUCTORS WITHIN TUNNEL SHALL BE NEW.
- COORDINATE WITH OWNER'S IT AND SECURITY REPRESENTATIVE FOR LOCATION AND METHOD OF TERMINATION OF SECURITY CONDUITS AT EACH END OF THE TUNNEL.
- TAPE LIGHT DIMMING DRIVER INSTALLED HIGH ON WALL AT THIS LOCATION. PROVIDE LOW VOLTAGE WIRING IN CONDUIT ROUTED TO EACH STRIP LIGHT LOCATION. PROVIDE TOTAL NUMBER OF DIMMING DRIVERS AS REQUIRED TO MEET THE DESIGN INTENT. DRIVERS SHALL BE IN VENTED LOCKABLE ENCLOSURE. INSTALL ALL COMPONENTS PER MANUFACTURER INSTRUCTIONS.
- 0-10V DIMMING SWITCH(ES) IN LOCKABLE WEATHERPROOF ENCLOSURE TO SET MAX LIGHT LEVEL OF TAPE LIGHTING. INSTALL ADJACENT TO DIMMING DRIVERS. PROVIDE ALL 0-10V DIMMING WIRING. PROVIDE NUMBER OF SWITCHES AS REQUIRED TO MEET DESIGN INTENT.

GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE AND THE 2017 NATIONAL ELECTRIC CODE AS ADOPTED BY THE CITY OF JOPLIN, MISSOURI.
- FOR ALL MEP QUESTIONS, CONTACT RTM ENGINEERING CONSULTANTS AT 417-881-0020. CONTACT PERSON: TYLER ENSERRO.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING THIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE PREMISES.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- ALL CIRCUITS SHALL HAVE A GROUNDING CONDUCTOR.
- THE CONTRACTOR SHALL CONTACT THE OWNER AND COORDINATE ALL OUTAGES 5 BUSINESS DAYS PRIOR TO ANY SHUT-OFF OF SERVICES.
- CONTRACTOR SHALL PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.
- PROVIDE PULL BOXES AS NECESSARY.
- CONTRACTOR TO ADHERE TO PHASING REQUIREMENTS PER ARCHITECTURAL PLANS.
- ALL CONDUITS AND CONDUCTORS WITHIN THE TUNNEL AREA SHALL BE NEW.
- ALL WIRING SHALL BE IN CONDUIT. CONCEAL CONDUITS BEHIND METAL PANELS AS MUCH AS POSSIBLE. PAINT EXPOSED CONDUITS AND BOXES PER ARCHITECT.
- PROVIDE ALL 0-10V DIMMING WIRING.
- PROVIDE UNSWITCHED HOT TO ALL EMERGENCY FIXTURES.
- PROVIDE ALL CIRCUITRY, CONTROL WIRING, DIMMING WIRING, ETC. AS REQUIRED FOR LIGHTING TO MEET THE CONTROL SEQUENCE AS DESCRIBED ON THE PLANS. INSTALL AND WIRE ALL COMPONENTS PER MANUFACTURER'S INSTRUCTIONS. ALL FIXTURES WITH THE SAME CONTROL ZONE DESIGNATION (SHOWN IN PARENTHESES) SHALL BE CONTROLLED TOGETHER VIA THE CORRESPONDING OCCUPANCY SENSOR(S) MARKED WITH THE SAME CONTROL ZONE DESIGNATION.

GENERAL DEMOLITION NOTES:

- INFORMATION ON THESE DRAWINGS REPRESENT INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO NEW CONSTRUCTION. MAINTAIN ALL WEATHER AND WATER PROOFING AS REQUIRED BY THE ARCHITECT'S DRAWINGS.
- FOR ALL EXISTING FIXTURES, RECEPTACLES, WIRING, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL.
- WHERE DEMOLISHED DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED, OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, CONDUCTOR, BOXES, ETC. NEEDED TO MODIFY THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND SHALL BE INCLUDED IN BID.
- REMOVE ALL UNUSED CONDUCTORS WITHIN THE TUNNEL AREA. CONDUIT CAN BE ABANDONED IN PLACE WHERE IT WILL REMAIN CONCEALED.



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MISSOURI STATE CERTIFICATE OF AUTHORITY #A-201000415

PARAGON
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637 COLLEGE STREET, SPRINGFIELD, MO 65805
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PROJECT DESCRIPTION: MISSOURI SOUTHERN STATE UNIVERSITY CAMPUS IMPROVEMENTS
ME2 TUNNEL PLANS

PROJECT NUMBER: 3950 NEWMAN ROAD
JOPLIN, MO 64801
PROJECT ENGINEER: JAL
DRAWN BY: TSE
CHECKED BY: JAL
DATE: 06/25/2021

MECHANICAL SYMBOLS:

—	DOMESTIC COLD WATER
—G—	NATURAL GAS
— —	SHUT-OFF VALVE
— — —	ELBOW UP WITH SHUT-OFF VALVE
— — —	ELBOW DOWN WITH SHUT-OFF VALVE
— — —	TEE UP WITH SHUT-OFF VALVE
— — —	TEE DOWN WITH SHUT-OFF VALVE
— —	CAP

ELECTRICAL SYMBOLS:

⊠ "A"	LIGHT FIXTURE & TYPE (POLE MOUNT)
"A" (s)	LINEAR LIGHT FIXTURE AND TYPE, CONTROL ZONE SHOWN IN PARENTHESIS
⊙ ⊠ J.B.	JUNCTION BOX 4" SQUARE UNLESS NOTED OTHERWISE
⊙ (s)	CEILING MOUNT OCCUPANCY SENSOR, CONTROL ZONE SHOWN IN PARENTHESIS
— — —	EXPOSED METAL RACEWAY — WIREMOLD
— — —	CONDUIT CONCEALED IN ROOF INSULATION
— — —	CONDUIT CONCEALED IN CEILING OR WALL
— — —	CONDUIT CONCEALED IN FLOOR SLAB
— — —	EXPOSED CONDUIT
— — —	HOME RUN — DIAGONAL LINES INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS
— — —	#12 WIRE
— — —	BRANCH CIRCUIT OR FEEDER — SEE SCHEDULE FOR CONDUCTOR & CONDUIT QUANTITY & SIZE
— — —	GROUND WIRE
⊕	DUPLEX 20AMP, 125V, 2P, 3W GROUNDING TYPE RECEPTACLE
⊕	COMPUTER DATA OUTLET
⊕	LIGHTING & APPLIANCE PANEL
⊕	DISTRIBUTION, FEEDER OR POWER PANEL
⊕	PULL BOX
⊕	UNDERGROUND UTILITY VAULT
⊕	DISCONNECT SWITCH
⊕	LIGHTING CONTACTOR
⊕	PHOTOCELL
— —	UNDERGROUND ELECTRIC
— —	UNDERGROUND FIBER CONDUIT

ELECTRICAL NOTATIONS:

"Gf"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES GROUND FAULT INTERRUPTER
"WP"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF ENCLOSURE
"WPf"	THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF IN-USE ENCLOSURE
60"	DIMENSIONS ADJACENT TO ANY SYMBOL INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE
(TIE)	INDICATES HOMERUNS WITH SAME CIRCUIT NUMBER TO BE WIRED TOGETHER ON SAME CIRCUIT.

ABBREVIATIONS:

AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CW	DOMESTIC COLD WATER
DN	DOWN
E/M	EQUIPMENT MANUFACTURER
FGCO	FINISHED GRADE CLEANOUT
W	WASTE

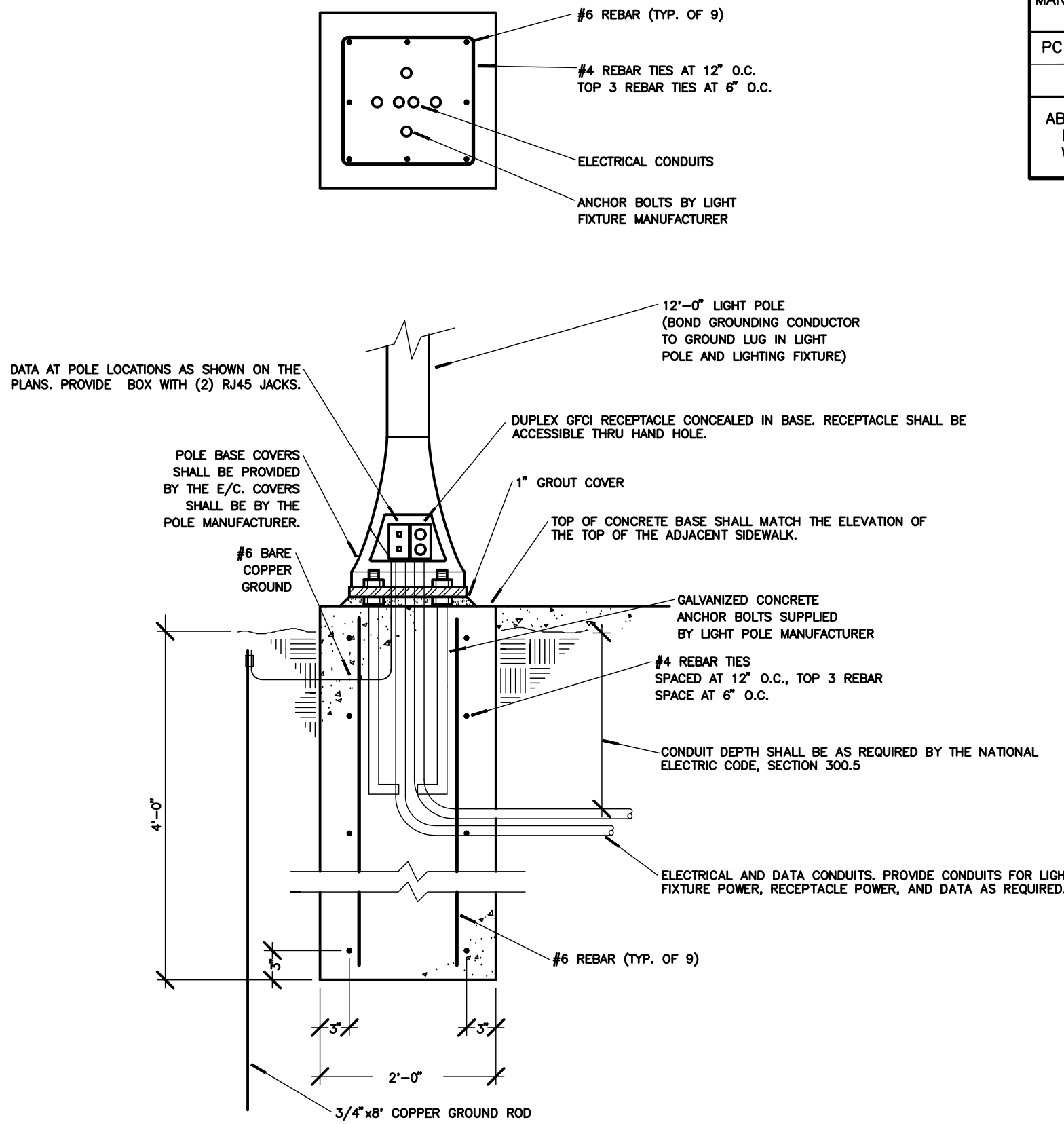
PLAN NOTATIONS:

⬆	INDICATES DIRECTION OF NORTH
1 M1	DETAIL REFERENCE — UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER.
①	PLAN NOTE REFERENCE
⊕	INDICATES CONNECTION TO EXISTING SYSTEM

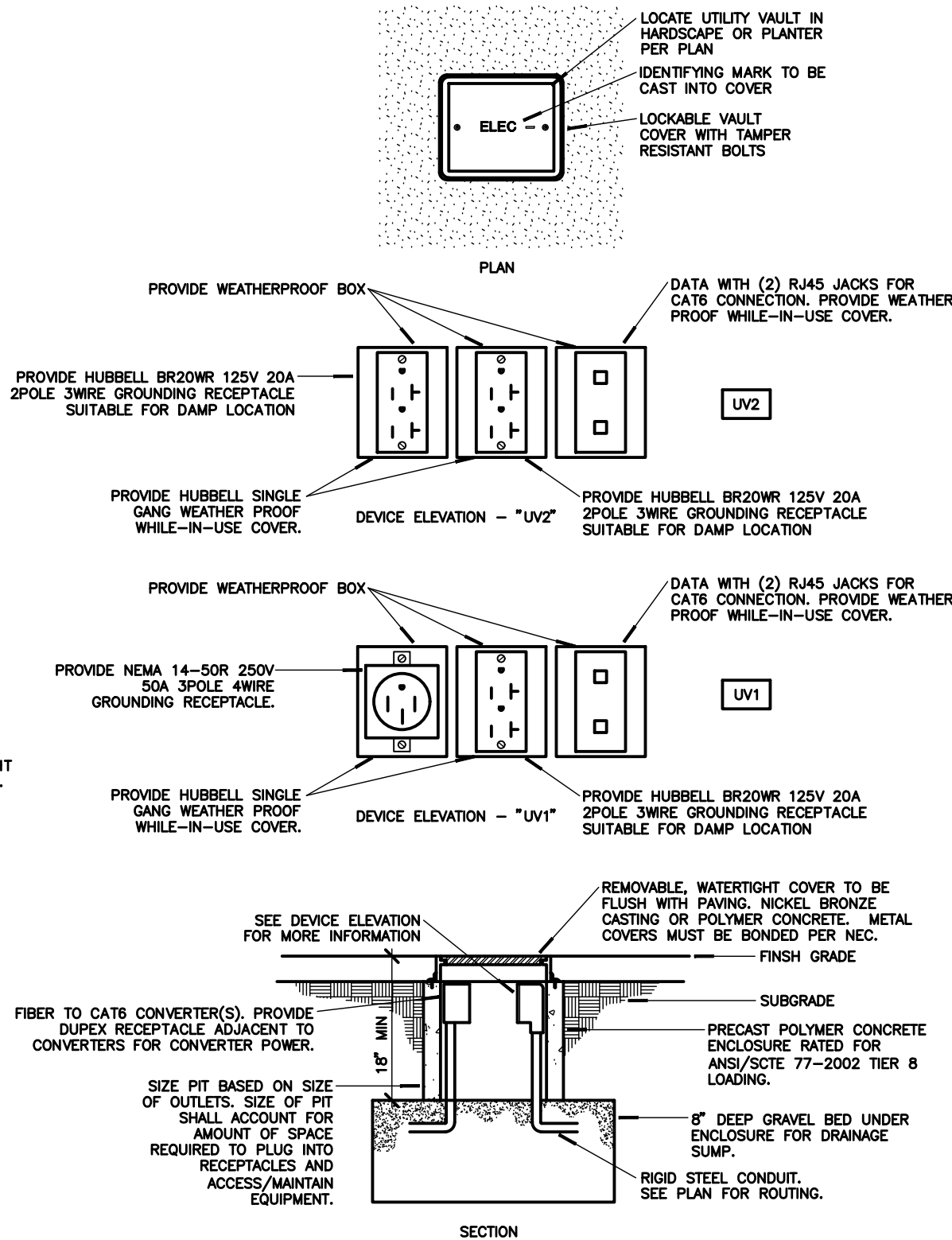
PHOTOCELL SCHEDULE

MARK	LOAD	SWITCH
EQUIPMENT SERVED	WATTS/VOLT	MANUFACTURER
PC1	FLAG POLE LIGHTS 1000 250	INTERMATIC EK4136S
		DPS1 20 2 3R
		WPB

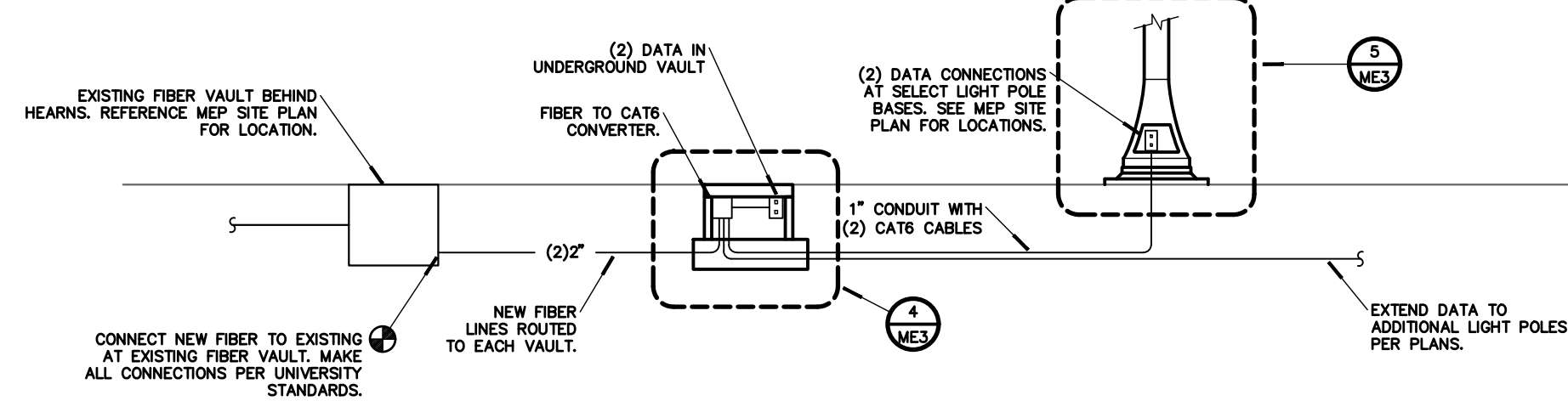
ABBREVIATIONS:
DPS1 — DOUBLE POLE SINGLE THROW
WPB — MOUNT ON WEATHERPROOF BOX



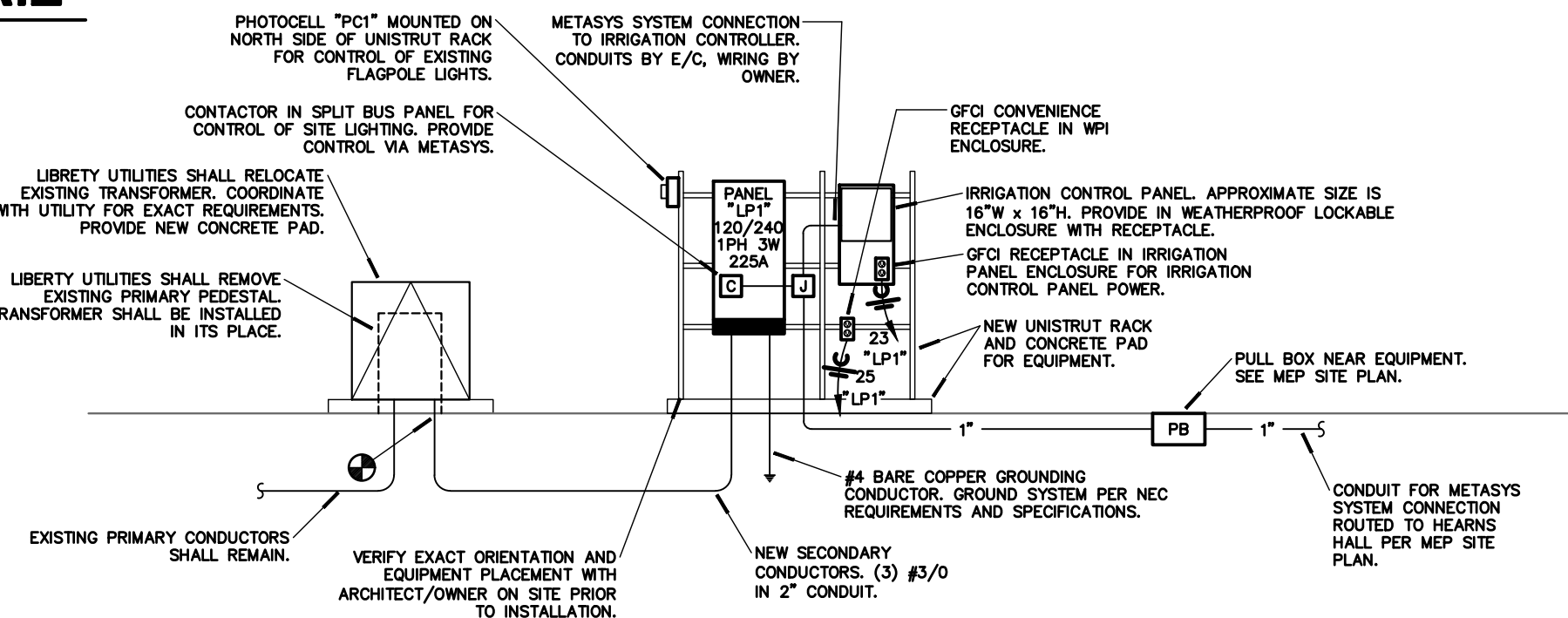
5 LIGHT POLE BASE DETAIL
ME3 NO SCALE



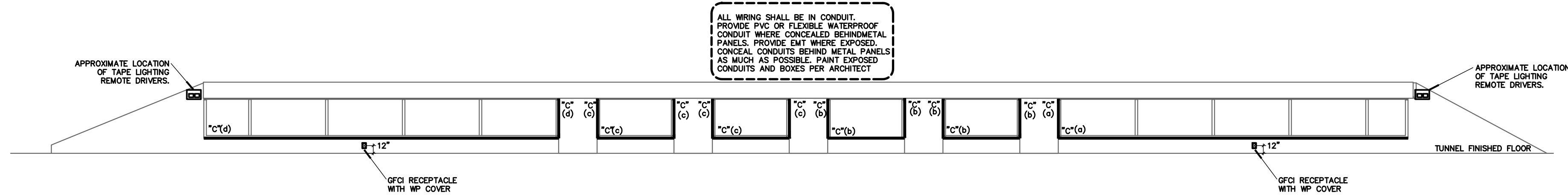
4 UTILITY VAULT DETAIL
ME3 NO SCALE



3 IT/DATA RISER DIAGRAM
ME3 NO SCALE



2 ELECTRICAL RISER DIAGRAM
ME3 NO SCALE



1 TUNNEL ELECTRICAL EAST WALL ELEVATION
ME3 3/32"-1'-0"

LIGHTING FIXTURE SCHEDULE

MARK	MFG.	CATALOG #	MTG.	FINISH	LAMPS	NOTES	EQUIV. MFG.
					TYPE CODE QTY		
A2	HOLOPHANE	HEAD: PUCL2-P30-40K-MV-FC2-BK-SK POLE: MSA-12-T5C-17D BK-FGB-GRD	POLE	BLACK	LED 6500LM,4000K,66W	---	SUBMIT
A3	HOLOPHANE	HEAD: PUCL2-P30-40K-MV-FC3-BK-SK POLE: MSA-12-T5C-17D BK-FGB-GRD	POLE	BLACK	LED 6500LM,4000K,66W	---	SUBMIT
A5	HOLOPHANE	HEAD: PUCL2-P20-40K-OR-CM-SMT-120-D1-HAT POLE: MSA-10-T5C-17D BK-FGB-GRD	POLE	BLACK	LED 4500LM,4000K,45W	---	SUBMIT
B	BIRCHWOOD	VAN-LED-WW-400-SLO-40	SURF	WHITE	LED 245LM/FT,4000K,4.4W/FT	---	FP, MK
C	ACOLYTE	RB-90-SWS268-1.540 AS10 CHAN., FROSTED LENS	SURF	WHITE	LED 201LM/FT,4000K,1.5W/FT	---	CT, DL
D	ACOLYTE	NLS-3.040	SURF	WHITE	LED 56LM/FT,4000K,3W/FT	---	CT, DL
EM	EMERG-LITE	W-12SV24N-2LU-D-CW4	SURF	WHITE	LED 6W MR16 LED	2 5	LI, SL

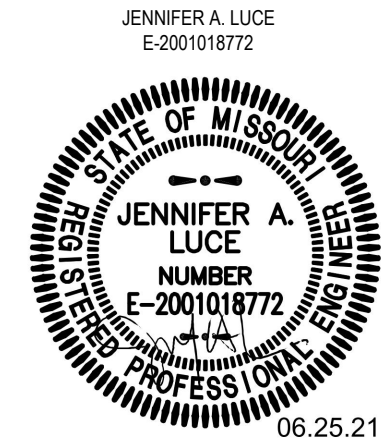
NOTES:
1. PROVIDE CONTINUOUS RUN IN LENGTH SHOWN ON PLANS.
2. PROVIDE END FEED, SIDE FEED, OR BOTTOM POWER FEED AS REQUIRED FOR FIELD CONDITIONS.
3. PROVIDE MOUNTING CLIPS AND ALL OTHER ACCESSORIES FOR COMPLETE INSTALLATION.
4. PROVIDE WATERPROOF 0-10V DIMMING DRIVERS BY FIXTURE MFG IN QTY REQUIRED TO MEET CONTROL SCHEME SHOWN ON THE DRAWINGS.
5. TAMPERPROOF SCREWS ON ALL TUNNEL FIXTURES.

ABBREVIATIONS:
MK — MARK LIGHTING MFG — MANUFACTURER REC — RECESSED
FP — FOCAL POINT QTY — QUANTITY SURF — SURFACE
CT — CONTECH MTG — MOUNTING GRD — GROUND
DL — DIVOLED
LI — LITHONIA
SL — SURELITES

PIPING MATERIAL SCHEDULE

	PIPING	FITTINGS	MAX WORKING FIELD TEST
SYSTEM	SIZE TYPE SCH GRD ASTM MAT. MAT. TYPE	PRESS (PSI) TEMP (°F)	PRESS (PSI) TIME
DOMESTIC WATER BELOW GRADE	ALL CPVC 80 --- F441 CPVC SW 120	120 120 40-90	150 1 HR

ABBREVIATIONS:
SW — SOLVENT WELD
CPVC — CHLORINATED POLYVINYL CHLORIDE



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