CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING ST. JOSEPH, MISSOURI



Walter P. Moore and Associates, Inc. 1100 Walnut, Suite 1825 Kansas City, Missouri 64106

OWNER:

STATE OF MISSOURI MICHAEL L. PARSON,

GOVERNOR

MISSOURI STATE HIGHWAY PATROL

PROJECT

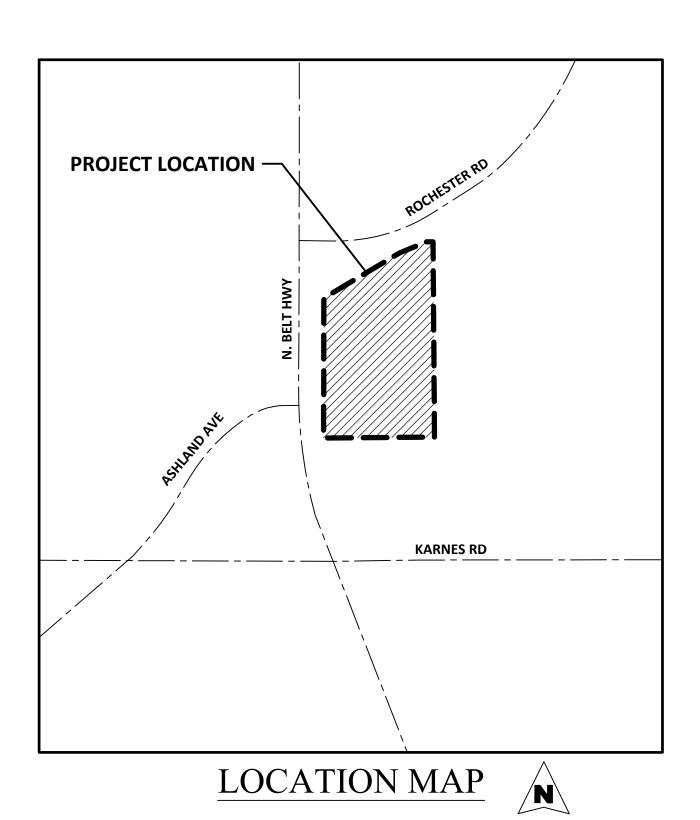
OFFICE OF ADMINISTRATION

MANAGEMENT: DIV

DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSTRUCTION

816.701.2100



DESIGNER:

WALTER P MOORE

PROJECT NUMBER:

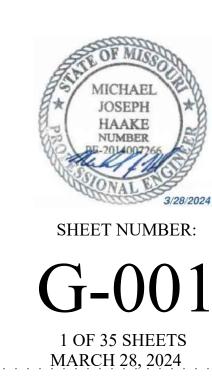
R2338-01

SITE NUMBER:

6009

FACILITY NUMBER: 8

8136009002 & 8136009003



GENERAL NOTES

- 1. BOUNDARY AND TOPOGRAPHIC INFORMATION OBTAINED FROM A SURVEY BY LOVELACE & ASSOCIATES, DATED 1/12/24, PREPARED SPECIFICALLY FOR THIS PROJECT.
- 2. HORIZONTAL & VERTICAL CONTROL DATA: HORIZONTAL DATUM= MISSOURI STATE PLANE, WEST ZONE (NAD83) **VERTICAL DATUM= NAVD88**

CPT-1 (FOUND BU-01 MONUMENT) N=1324006.39

E=2700256.01 ELEV=1065.28

FOUND BU-01 MONUMENT APPROXIMATELY 27.03' EAST OF CURB ALONG N BELT HWY. AND 44.02' SOUTH WEST OF TELEPHONE MANHOLE.

CPT-2 (SET 1/2" REBAR)

N=1324224.97 E=2700409.64

ELEV=1061.58

SET 1/2" NEAR THE NORTH WEST ENTRANCE OF SITE. 2.45' WEST OF EDGE OF ASPHALT AND 15.72' SOUTH EAST OF HIGHWAY PATROL SIGN.

CPT-3 (SET 1/2" REBAR)

N=1323759.12 E=2700391.10

ELEV=1062.91 SET 1/2" IRON BAR SOUTH WEST OF THE MAIN TROOP BUILDING. 23.4' SOUTH EAST OF PARKING SIGN. 14.84' SOUTH OF ENTRANCE CURB. 36.20' SOUTH WEST OF NO TRESPASS SIGN.

CPT-581 (FND 1/2" REBAR)

N=1324283.07 E=2700735.96

ELEV=1050.95

FOUND 1/2" IRON BAR AT THE NORTH EAST CORNER OF SITE. 6.67' SOUTH WEST OF ABBETT DR. CURB. 10.98' WEST OF SANITARY MANHOLE NUMBER 581

- 3. CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN HORIZONTAL AND VERTICAL CONTROL, REFERENCE POINTS AND CONSTRUCTION STAKING AS INCIDENTAL TO THE
- 4. CONTRACTOR TO FIELD VERIFY ALL BOUNDARY AND TOPOGRAPHIC INFORMATION PRIOR TO BEGINNING WORK. CONTACT ENGINEER IF ACTUAL CONDITIONS VARY FROM THE PLANS.
- 5. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY LOCATION OF ANY EXISTING UTILITIES AND OTHER FACILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL **EXISTING FACILITIES.**
- 6. THE LENGTHS OF PROPOSED UNDERGROUND UTILITY LINES SHOWN ARE APPROXIMATE ONLY. LENGTHS OF LINES MAY VARY DUE TO FIELD CONDITIONS **ENCOUNTERED AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL** LABOR AND MATERIALS NECESSARY FOR UTILITY LINES TO SERVE THEIR INTENDED PURPOSE AND SHALL BE RESPONSIBLE FOR THE REROUTING OF LINES WHICH MAY CONFLICT WITH OTHER UTILITIES AND SITE FEATURES.
- 7. WATER METERS, UTILITY LINES AND APPURTENANCES, DRIVEWAYS, AND ALL OTHER ITEMS TO BE LOCATED WITHIN THE STREET RIGHT-OF-WAY OR A PUBLIC EASEMENT, ARE TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT GOVERNING CITY, **COUNTY AND STATE STANDARDS.**
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR NOTIFICATION OF ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PRIVATE OR PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
- 9. CONTRACTOR SHALL CONTACT MISSOURI ONE-CALL SYSTEM FOR UTILITY LOCATION AT LEAST TWO FULL WORKING DAYS BEFORE STARTING WORK.
- 10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION.

GRADING NOTES

- 1. FINISHED EARTHEN SLOPES SHALL BE NO STEEPER THAN 1 FT. VERTICAL TO 3 FT. HORIZONTAL.
- 2. SLOPES IN HANDICAP PARKING STALLS AND ACCESSIBLE AISLES SHALL NOT EXCEED 2.0% SLOPE IN ANY DIRECTION.
- 3. FINISHED GRADES SHOWN ON PLANS ARE TO BE THE FINAL ELEVATIONS OF ALL WORK, INCLUDING PAVEMENT AND LANDSCAPING.

PAVING CONSTRUCTION NOTES

- 1. ALL ROAD WIDTHS, RADII AND ALIGNMENT SHOWN INDICATE BACK OF CURB OR EDGE OF PAVEMENT WHICHEVER IS APPLICABLE.
- 2. CONCRETE SHALL BE PORTLAND CEMENT CONCRETE AND HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI MINIMUM AT 28 DAYS. REINFORCING SHALL CONFORM TO **ASTM A615.**
- 3. EXISTING PAVING, IN PUBLIC STREET RIGHTS-OF-WAY OR EASEMENTS, DAMAGED BY CONSTRUCTION SHALL BE REPAIRED AS PER CITY STANDARDS, AS APPLICABLE. ALL OTHER EXISTING PAVING, NOT SHOWN TO BE REMOVED, DAMAGED BY CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING OR BETTER.
- 4. EXISTING CURBS, SIDEWALKS, AND DRIVEWAYS IN PUBLIC STREET RIGHTS-OF-WAY OR EASEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO CITY STANDARDS. ALL OTHER CURBS, SIDEWALKS AND DRIVEWAYS, NOT SHOWN TO BE REMOVED, DAMAGED BY CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING OR BETTER.
- 5. PLACE 1/2" EXPANSION JOINT MATERIAL AND JOINT SEALANT BETWEEN ALL SIDEWALKS AND BUILDINGS AND BETWEEN ALL SIDEWALKS AND BACK OF CURB.

TRAFFIC CONSTRUCTION NOTES

- 1. CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING, INSTALLING AND MAINTAINING ALL BARRICADES, WARNING SIGNS, FLASHING LIGHTS AND TRAFFIC CONTROL **DEVICES DURING CONSTRUCTION.**
- 2. ALL TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STORM SEWER CONSTRUCTION NOTES

- 1. ALL STORM SEWERS SHALL RECEIVE BEDDING AND BACKFILL IN ACCORDANCE WITH THE DETAILS CONTAINED IN THE PLANS. STORM SEWERS WITHIN PUBLIC STREET RIGHTS-OF-WAY OR EASEMENTS SHALL RECEIVE BEDDING AND BACKFILL IN ACCORDANCE WITH CITY STANDARDS.
- 2. STORM SEWER CONSTRUCTION, INCLUDING INLETS, MANHOLES AND JUNCTION BOXES OUTSIDE OF PUBLIC STREET RIGHTS-OF-WAY OR EASEMENTS TO BE IN ACCORDANCE WITH THE DETAILS CONTAINED IN THE PLANS. STORM SEWER CONSTRUCTION WITHIN PUBLIC STREET RIGHTS-OF-WAY OR EASEMENTS TO BE IN ACCORDANCE WITH CITY STANDARDS.
- 3. WHERE MANHOLES, INLET STRUCTURES, OR JUNCTION BOXES ARE LOCATED WITHIN PAVED AREAS, CONTRACTOR SHALL SET RIM ELEVATIONS TO MATCH TOP OF PAVEMENT ELEVATIONS. OUTSIDE OF PAVED AREAS, SET MANHOLE RIMS AND TOP OF GRATE AT ELEVATIONS SHOWN ON THE PLANS.
- 4. CONTRACTOR TO ALLOW A MINIMUM OF 6-INCH VERTICAL CLEARANCE BETWEEN **OUTSIDE OF STORM SEWER PIPE OR STRUCTURE AND OTHER EXISTING OR PROPOSED**
- 5. IN EVERY CASE WHERE TRENCHES HAVE BEEN EXCAVATED BELOW THE SPECIFIED DEPTH FOR REQUIRED BEDDING, THE PIPE BEDDING SHALL START AT THE BOTTOM OF SAID EXCAVATION.

TO THE DESIGN ENGINEER FOR REVIEW.

6. PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED

TYPICAL CIVIL APPRELIATIONS

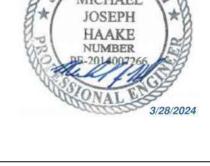
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ET - DETAIL RFI - REQUEST FOR INFORMAT A - DIAMETER R/W - RIGHT OF WAY AG - DIAGONAL ROW - RIGHT OF WAY M - DIMENSION SAN - SANITARY P - DUCTILE IRON PIPE SCHED - SCHEDULE N - DOWN SECT - SECTION S - DOWNSPOUT SF - SQUARE FEET WG - DRAWING SHT - SHEET A - EACH SIM - SIMILAR E - EACH SIM - SIMILAR E - EACH SIM - SIMILAR E - EACH SIM - SPACING E - EXPANSION JOINT SPECS - SPECIFICATIONS A - ELEVATION SQ - SQUARE A - EQUAL SQ YD - SQUARE A - EQUAL SQ YD - SQUARE A - EQUIP - EQUIPMENT STA - STATION BMT - EASEMENT STD - STANDARD BMT - EASEMENT STD - STANDARD BMT - EASEMENT STL - STEEL BIST - EXISTING STL PL - STEEL BIST - EXISTING STL PL - STEEL BIST - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL BIST - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL BIST - FLOW LINE T&B - TOP AND BOTTOM BIST - FEET THRU - THROUGH BIST - FOOTING TOB - TOP OP CONCRETE BA - GAGE BA - GAGE BO - FOOTING TOB - TOP OP FOOTING BIST - GALLONS PER DAY BUS - HORZONTAL BUS - H				•
IAA - DIAMETER R/W - RIGHT OF WAY IAG - DIAGONAL ROW - RIGHT OF WAY IMM - DIMENSION SAN - SANITARY IIP - DUCTILE IRON PIPE SCHED - SCHEDULE SCHED - SECTION SCHED - SECTION SCHED - SECTION SCHEDULE				
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IM - DIMENSION SAN - SANITARY IP - DUCTILE IRON PIPE SCHED - SCHEDULE N - DOWN S - DOWN S - DOWNSPOUT SF - SQUARE FEET WG - DRAWING SHT - SHEET A - EACH SIM - SIMILAR F - EACH FACE SPA - SPACING I - EXPANSION JOINT SPECS - SPECIFICATIONS L - ELEVATION SQ - SQUARE QUIP - EQUIPMENT STA - STATION SIMT - EASEMENT STD - STANDARD W - EACH WAY STL - STEEL KIST - EXISTING STL PL - STEEL PLATE DN - FOUNDATION STIR - STIRRUP FEL - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL H - FIRE HYDRANT SURV - SURVEY N - FINISH STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM IT - FEET THRU - THROUGH IT - FUTURE TOC - TOP OF FOOTING ALLONS PER DAY UNO - UNLESS OTHERWISE NOT DPM - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT DPM - GALLONS PER MINUTE VC - VERTICAL CURVE C - HANDICAP VCP - VITRIFIED CLAY PIPE DPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL INSIDE FACE UCL - INCLUDED WM - WATER METER BOX - JUNCTION BOX I			•	
DOWN DOWNSPOUT DOWNSPECTOR DOWNSPOUT DOWNSPECTOR DOWNSPOUT DOWNSPO	_			
S - DOWNSPOUT WG - DRAWING - DRAWING - DRAWING - EACH - EACH - EACH - EACH - EACH - EACH - EXPANSION JOINT - ELEVATION - ELEVATION - EQUIPMENT - STA - STATION - STA -	IP	- DUCTILE IRON PIPE	SCHED	- SCHEDULE
ANG - DRAWING SHT - SHEET A - EACH SIM - SIMILAR - EACH FACE SPA - SPACING - EXPANSION JOINT SPECS - SPECIFICATIONS - ELEVATION SQ - SQUARE QUIP - EQUIPMENT STA - STATION INT - EASEMENT STD - STANDARD INT - EASEMENT STL - STEEL SIST - EXISTING STL PL - STEEL PLATE IN - FOUNDATION STIR - STIRRUP IEL - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL IF IS - FIRE HYDRANT SURV - SURVEY IN - FINISH STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM - FEET THRU - THROUGH IF - FUTURE TOC - TOP OF CONCRETE A - GAGE ALV - GALVANIZED TOW - TOP OF WALL - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT CO - HANDICAP VCP - VITRIFIED CLAY PIPE DOE - HIGH DENSITY POLYETHYLENE VCR - VERTICAL - INSIDE FACE CL - INCLUDED WM - WATER METER BOX - JUNCTION BOX - JUNCTION BOX - JUNCTION BOX - JUNCTION BOX - VARD DRAIN - YARD DRAIN - YARD DRAIN - YARD HYDRANT - YARD HYDRANT - YARD HYDRANT - YARD HYDRANT				- SECTION
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E - EACH FACE SPA - SPACING - EXPANSION JOINT SPECS - SPECIFICATIONS - ELEVATION SQ - SQUARE - EQUAL SQ YD - SQUARE STATION - EQUIPMENT STA - STATION - EASEMENT STD - STANDARD - FACH WAY STL - STEEL - STEEL STING STL - STEEL PLATE - STING STL PL - STEEL PLATE - STING STL - STRUCT STRUCTURAL - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL - FIRE HYDRANT SURV - SURVEY - STEEL PLATE - STRUCT - STRUCTURAL - FLOW LINE TABLE - TOP AND BOTTOM - FEET THRU - THROUGH - FOOTING TOB - TOP AND BOTTOM - FEET THRU - TOC - TOP OF CONCRETE - A - GAGE TOF - TOP OF FOOTING - STOP - TOP OF WALL - STOP - WITHIED CLAY PIPE - WALL - STOP - WITHIED - WALL - STOP - WALL - STOP - WITHIED - WALL - STOP - WALL - WATER LINE - WATER LINE - WATER LINE - WATER METER - WALL - WATER DEARIC - WALL				
EXPANSION JOINT ELEVATION Q - EQUAL Q - EQUAL QUIP - EQUIPMENT STA - STATION STA - STANDARD STD - STANDARD W - EACH WAY KIST - EXISTING DN - FOUNDATION FEL - FINISH FLOOR ELEVATION H - FIRE HYDRANT N - FINISH FOUNDATION FOUNDLINE T - FEET THRU - THROUGH TG - FOOTING DT - FOOTING ALV - GALVANIZED EN - GAGE A - GAGE A - GAGE A - GAGE A - GALONS PER DAY DPM - GALLONS PER MINUTE C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK ORIZ - HORIZONTAL FLOUR LINE FACE K - HOOK ORIZ - HORIZONTAL K - HOOK ORIZ - HORIZONTAL FLOUR LINE FACE C - JOINT C - VARD DARIN WWF - WIELDED WIRE FOOTING FO		_		
ELEVATION Q - EQUAL Q - EQUAL QUIP - EQUIPMENT STA - STATION SMT - EASEMENT M - EACH WAY KIST - EXISTING STL PL - STEEL KIST - EXISTING STL PL - STEEL PLATE STN - FOUNDATION FEL - FINISH FLOOR ELEVATION FINISH - FIRE HYDRANT N - FINISH FLOW LINE FET THRU - THROUGH TOB - TOP AND BOTTOM JT - FUTURE A - GAGE ALV - GALVANIZED FOR GALVANIZED TOB - TOP OF FOOTING ALV - GALVANIZED TOB - TOP OF WALL FOR GALVANIZED TOW - TOP OF WALL FOR GALLONS PER DAY OND - GALLONS PER MINUTE C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK ORIZ - HORIZONTAL FINISH - VYARD DRAIN FOR C - VERTICAL FOR C - WITHOUT FOR C - VERTICAL W/O - WITHOUT FOR C - WATER LINE BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC TOP - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE TOP - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FARTE OF VERTICAL CURVATURE FOR C - YARD DRAIN FOR C - YARD DRAIN FOR C - YARD DRAIN FOR C - YARD ARRIN FOR C - YARD ARRIN FOR C - YARD DRAIN FOR C - YARD ARRIN FOR C - YARD A				
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SMT - EASEMENT W - EACH WAY FEACH WAY STL - STEEL KIST - EXISTING STL PL - STEEL PLATE STN - FOUNDATION FEL - FINISH FLOOR ELEVATION FINISH FLOW LINE FEET THRU - THROUGH FOOTING TOB - TOP AND BOTTOM JT - FUTURE A - GAGE A - GAGE ALV - GALVANIZED EN - GENERAL FOR SALVANIZED TOW - TOP OF WALL EN - GENERAL TOW - TOP OF WALL EN - GALLONS PER DAY OM - GALLONS PER MINUTE C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK M/ - WITH BOX - JUNCTION BOX M/ - WATER METER BOX - JUNCTION BOX M/ - WATER METER M/ - YARD HYDRANT VD - YARD DRAIN FATE OF VERTICAL CURVATURE M/ - YARD HYDRANT PARE OF VERTICAL CURVATURE FATE OF VERTICAL CURVATURE TO - YARD DRAIN STRUCT - STEEL STEL STRUCTURAL STRUCTURAL TAB TOP AND BOTTOM THRU THRU THRU THROUGH TOB - TOP AND BOTTOM TOB - TOP OF CONCRETE TOF - TOP OF CONCRETE TOF - TOP OF CONCRETE TOP - SURVEY STRUCTURAL STRUC				· · · · · · · · · · · · · · · · · · ·
W - EACH WAY KIST - EXISTING STL PL - STEEL STERUP FEL - FINISH FLOOR ELEVATION FEL - FIRE HYDRANT N - FINISH FINISH FEL - FINISH FEL - FINISH FEL - FINISH FINISH FINISH FOOTING FEET THRU FOOTING TOB TOB TOP AND BOTTOM TOP OF CONCRETE TOP OF CONCRETE TOP OF FOOTING ALV - GALVANIZED TOW - TOP OF WALL EN - GENERAL TYP - TYPICAL POD - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT POP - GALLONS PER MINUTE C - HANDICAP C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK W/ - WITH ORIZ - HORIZONTAL FINISIDE FACE NCL - INCLUDED BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC TOP - YARD DRAIN - YARD HYDRANT				
DN - FOUNDATION STIR - STIRRUP F EL - FINISH FLOOR ELEVATION STRUCT - STRUCTURAL H - FIRE HYDRANT SURV - SURVEY IN - FINISH STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM T - FEET THRU - THROUGH TG - FOOTING TOB - TOP AND BOTTOM UT - FUTURE TOC - TOP OF CONCRETE IA - GAGE TOF - TOP OF FOOTING IALV - GALVANIZED TOW - TOP OF WALL IEN - GENERAL TYP - TYPICAL DD - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT DD - HIGH DENSITY POLYETHYLENE VC - VERTICAL CURVE DD - HIGH DENSITY POLYETHYLENE VERT - VERTICAL UK - HOOK W/ - WITH DORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE UCL - INCLUDED WM - WATER METER DOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT	W	- EACH WAY		
F EL FINISH FLOOR ELEVATION STRUCT - STRUCTURAL H - FIRE HYDRANT SURV - SURVEY IN - FINISH STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM T - FEET THRU - THROUGH TG - FOOTING TOB - TOP AND BOTTOM UT - FUTURE TOC - TOP OF CONCRETE IA - GAGE TOF - TOP OF FOOTING IALV - GALVANIZED TOW - TOP OF WALL ISEN - GENERAL TYP - TYPICAL IPP - TYPICAL IPP - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT IPP - GALLONS PER MINUTE VC - VERTICAL CURVE IC - HANDICAP VCP - VITRIFIED CLAY PIPE IDPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL IK - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE INCL - INCLUDED WM - WATER METER INCL - INCLUDED WM - WATER METER INGL - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
H - FIRE HYDRANT IN - FINISH STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM T - FEET THRU - THROUGH TG - FOOTING TOB - TOP OF CONCRETE GA - GAGE TOF - TOP OF FOOTING GALV - GALVANIZED TOW - TOP OF WALL GEN - GENERAL TYP - TYPICAL GOD - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT GOD - HANDICAP VCP - VITRIFIED CLAY PIPE IC - HANDICAP VCP - VITRIFIED CLAY PIPE IC - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT F - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER -BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
IN - FINISH - STM - SYMMETRICAL - FLOW LINE T&B - TOP AND BOTTOM T - FEET THRU - THROUGH TG - FOOTING TOB - TOP AND BOTTOM UT - FUTURE TOC - TOP OF CONCRETE GA - GAGE TOF - TOP OF FOOTING GALV - GALVANIZED TOW - TOP OF WALL GEN - GENERAL TYP - TYPICAL pd - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT pm - GALLONS PER MINUTE VC - VERTICAL CURVE CC - HANDICAP VCP - VITRIFIED CLAY PIPE IDPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL KK - HOOK ORIZ - HORIZONTAL W/O - WITHOUT F - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER BOX - JUNCTION BOX T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
- FLOW LINE - FEET - FEET - FOOTING - FOOTING - FOOTING - FUTURE - GAGE - GAGE - GAGE - GALVANIZED - GENERAL - GALLONS PER DAY - GALLONS PER MINUTE - GALLONS PER MINUTE - HANDICAP - HIGH DENSITY POLYETHYLENE - HOOK - HOOK - HOOK - HOOK - HOOK - HOOK - INSIDE FACE - INCLUDED - BOX - JUNCTION BOX - JUNCTION BOX - CALDON HANDICAL - TAP AND BOTTOM - TOP AND BOTT				
T - FEET THRU - THROUGH TG - FOOTING TOB - TOP AND BOTTOM UT - FUTURE TOC - TOP OF CONCRETE IA - GAGE TOF - TOP OF FOOTING IALV - GALVANIZED TOW - TOP OF WALL IEN - GENERAL TYP - TYPICAL pd - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT pm - GALLONS PER MINUTE VC - VERTICAL CURVE IC - HANDICAP VCP - VITRIFIED CLAY PIPE IDPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL IK - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT INSIDE FACE WL - WATER LINE INCL - INCLUDED WM - WATER METER IBOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
TG - FOOTING TOB - TOP AND BOTTOM UT - FUTURE TOC - TOP OF CONCRETE IA - GAGE TOF - TOP OF FOOTING IALV - GALVANIZED TOW - TOP OF WALL IEN - GENERAL TYP - TYPICAL pd - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT pm - GALLONS PER MINUTE VC - VERTICAL CURVE IC - HANDICAP VCP - VITRIFIED CLAY PIPE IDPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL IK - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT INSIDE FACE WL - WATER LINE INCL - INCLUDED WM - WATER METER IBOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC IT - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
UT - FUTURE TOC - TOP OF CONCRETE GA - GAGE TOF - TOP OF FOOTING GALV - GALVANIZED TOW - TOP OF WALL GEN - GENERAL TYP - TYPICAL pd - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT pm - GALLONS PER MINUTE VC - VERTICAL CURVE IC - HANDICAP VCP - VITRIFIED CLAY PIPE IDPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL IK - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT IS - INSIDE FACE WL - WATER LINE INCL - INCLUDED WM - WATER METER INDOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
A - GAGE ALV - GALVANIZED TOW - TOP OF FOOTING TOW - TOP OF WALL TYP - TYPICAL PD - GALLONS PER DAY PD - GALLONS PER MINUTE C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK ORIZ - HORIZONTAL F - INSIDE FACE NCL - INCLUDED NCL - INCLUDED NCL - JUNCTION BOX T - YARD DRAIN - RATE OF VERTICAL CURVATURE TOP OF FOOTING TOP OF WALL TYP - TYPICAL TY				
TOW - TOP OF WALL FINE - GENERAL TYP - TYPICAL FINE - GENERAL TYP - TYPICAL FINE - GALLONS PER DAY UNO - UNLESS OTHERWISE NOT FINE - GALLONS PER MINUTE VC - VERTICAL CURVE FINE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL FINE - HOOK W/ - WITH FINE - INSIDE FACE WL - WATER LINE FINE - INCLUDED WM - WATER METER FINE - JUNCTION BOX WWF - WIELDED WIRE FABRIC FINE - JOINT YD - YARD DRAIN FRATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
PDD - GALLONS PER DAY PDM - GALLONS PER MINUTE C - HANDICAP DPE - HIGH DENSITY POLYETHYLENE K - HOOK ORIZ - HORIZONTAL - INSIDE FACE NCL - INCLUDED BOX - JUNCTION BOX T - JOINT RATE OF VERTICAL UNO - UNLESS OTHERWISE NOT VC - VERTICAL CURVE VCP - VITRIFIED CLAY PIPE VERT - VERTICAL VM/O - WITH VM/O - WITHOUT WM - WATER LINE WM - WATER METER YD - YARD DRAIN - YARD HYDRANT	ALV	- GALVANIZED		
pm - GALLONS PER MINUTE VC - VERTICAL CURVE C - HANDICAP VCP - VITRIFIED CLAY PIPE DPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL K - HOOK W/ - WITH ORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT	EN		TYP	- TYPICAL
C - HANDICAP VCP - VITRIFIED CLAY PIPE DPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL K - HOOK W/ - WITH ORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT	-			- UNLESS OTHERWISE NOTED
DPE - HIGH DENSITY POLYETHYLENE VERT - VERTICAL K - HOOK W/ - WITH ORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
IK - HOOK W/ - WITH IORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER -BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
ORIZ - HORIZONTAL W/O - WITHOUT - INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER -BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
- INSIDE FACE WL - WATER LINE NCL - INCLUDED WM - WATER METER -BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT			•	
NCL - INCLUDED WM - WATER METER -BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT			•	
BOX - JUNCTION BOX WWF - WIELDED WIRE FABRIC - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
T - JOINT YD - YARD DRAIN - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
C - RATE OF VERTICAL CURVATURE YH - YARD HYDRANT				
	(- RATE OF VERTICAL CURVATURE		
BS - POUND F - LINEAR FEET				

TYPICAL CIVIL ABBR	EVIATIO	NS		SHEET INDEX
			SHEET NO.	SHEET TITLE
- AT	m	- METER	G-001	COVER
- AND	MATL	- MATERIAL	G-002	
- ASPHALTIC CONCRETE - ALGERBRADIC DIFFERENCE	MAX MECH	- MAXIMUM - MECHANICAL	G-002	GENERAL NOTES & SHEET INDEX
- ALGERBRADIC DIFFERENCE - AMERICANS WITH DISABILITIES ACT	MFR	- MANUFACTURER	C-101	OVERALL PLAN
- ADDITIONAL	MH	- MANHOLE	C-102	CONSTRUCTION PHASING PLAN
- ADJACENT	MIN	- MINIMUM	C-103	DEMOLITION PLAN
- ALTERNATE	MISC	- MISCELLANEOUS		
- AMERICAN NATIONAL STANDARDS INSTITUTE	MUTCD	- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	C-104	
- AMERICAN PUBLIC WORKS	NA	- NOT APPLICABLE	C-105	DEMOLITION PLAN
ASSOCIATION	NIC	- NOT IN CONTRACT	C-106	DEMOLITION PLAN
- APPROXIMATE	NO	- NUMBER	C-107	CIVIL SITE LAYOUT PLAN
- ARCHITECTURAL	NTS	- NOT TO SCALE		
- ARCHITECT'S SUPPLEMENTAL	OC	- ON CENTER	C-108	CIVIL SITE LAYOUT PLAN
INSTRUCTION	OF OPNG	- OUTSIDE FACE - OPENING	C-109	CIVIL SITE LAYOUT PLAN
- ASPHALT - AMERICAN SOCIETY OF TESTING	PAR	- PARALLEL	C-110	CIVIL SITE LAYOUT PLAN
AND MATERIALS	PC	- POINT OF CURVATURE		
- AMERICAN WATER WORKS	PERF	- PERFORATED	C-111	CIVIL SITE PAVEMENT JOINT PLAN
ASSOCIATION	PERP	- PERPENDICULAR	C-112	CIVIL SITE PAVEMENT JOINT PLAN
- BUILDING	PI	- POINT OF INTERSECTION	C-113	CIVIL SITE PAVEMENT JOINT PLAN
- BENCHMARK - BOTTOM	ନ୍ PSF	- PROPERTY LINE - POUNDS PER SQUARE FOOT	C-114	CIVIL SITE PAVEMENT JOINT PLAN
- CHANNEL	PSI	- POUNDS PER SQUARE INCH	C-115	CIVIL SITE GRADING PLAN
- COEFFICIENT	PVC	- POINT OF CURVATURE ON VERTICAL		
- CANTILEVER	D) (0	CURVE	C-116	CIVIL SITE GRADING PLAN
- CURB INLET	PVC PVT	- POLYVINYL CHLORIDE PIPE - POINT OF TANGENCY ON VERTICAL	C-117	CIVIL SITE GRADING PLAN
- CONTROL JOINT - CENTER LINE	PVI	CURVE	C-118	CIVIL SITE GRADING PLAN
- CLEAR	QTR	- QUARTER		
- CORRUGATED METAL PIPE	QTY	- QUANTITY	C-119	EROSION & SEDIMENT CONTROL PLAN
- CURVE NUMBER	R	- RADIUS	C-501	CIVIL SITE DETAILS
- CLEANOUT	RCB	- REINFORCED CONCRETE BOX	C-502	CIVIL SITE DETAILS
- CONCRETE - CONSTRUCTION	RCP RD	- REINFORCED CONCRETE PIPE - ROOF DRAIN		ELECTRICAL LEGEND & GENERAL NOTES
- CONTINUOUS	REBAR	- REINFORCING STEEL BARS		
- CENTERS	RE:	- REFERENCE	E-100	ELECTRICAL DEMO PLAN
- CUBIC FEET	REINF	- REINFORCE	E-200	ELECTRICAL SITE PLAN
- CUBIC YARD	REQ	- REQUIRE	E-300	ELECTRICAL DETAILS
- DEGREE	REQD	- REQUIRED		
- DEPARTMENT - DETAIL	REV RFI	- REVISION - REQUEST FOR INFORMATION	E-301	SUPPLEMENTAL POLE DETAILS
- DIAMETER	R/W	- RIGHT OF WAY	S-001	GENERAL NOTES
- DIAGONAL	ROW	- RIGHT OF WAY	S-002	GENERAL NOTES
- DIMENSION	SAN	- SANITARY	\$ 100	SITE PLAN
- DUCTILE IRON PIPE	SCHED	- SCHEDULE	3-100	SHE PLAN
- DOWN	SECT	- SECTION	S-200	SOUTH & NORTHEAST ELEVATIONS
- DOWNSPOUT - DRAWING	SF SHT	- SQUARE FEET - SHEET	S-201	WEST ELEVATION
- EACH	SIM	- SIMILAR	S-202	EAST ELEVATION
- EACH FACE	SPA	- SPACING		
- EXPANSION JOINT	SPECS	- SPECIFICATIONS	S-203	PORTE-COCHÈRE AND WALL PLANTER
- ELEVATION	SQ	- SQUARE		
- EQUAL	SQ YD	- SQUARE YARD		
- EQUIPMENT	STA	- STATION		
- EASEMENT - EACH WAY	STD STL	- STANDARD - STEEL		
- EXCH WAY - EXISTING	STL PL	- STEEL - STEEL PLATE		
=	J. L . L			





STATE OF MISSOURI





Walter P. Moore and Associates, Inc. 1100 Walnut, Suite 1825 Kansas City, Missouri 64106

816.701.2100

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

MISSOURI STATE HIGHWAY **PATROL**

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

FACILITY # 8136009002 &

PROJECT # R-2338-01 6009

8136009003

DATE:

REVISION:

REVISION: DATE: **REVISION:**

DATE: ISSUE DATE: CAD DWG FILE:G-002.dwg

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SHEET TITLE:

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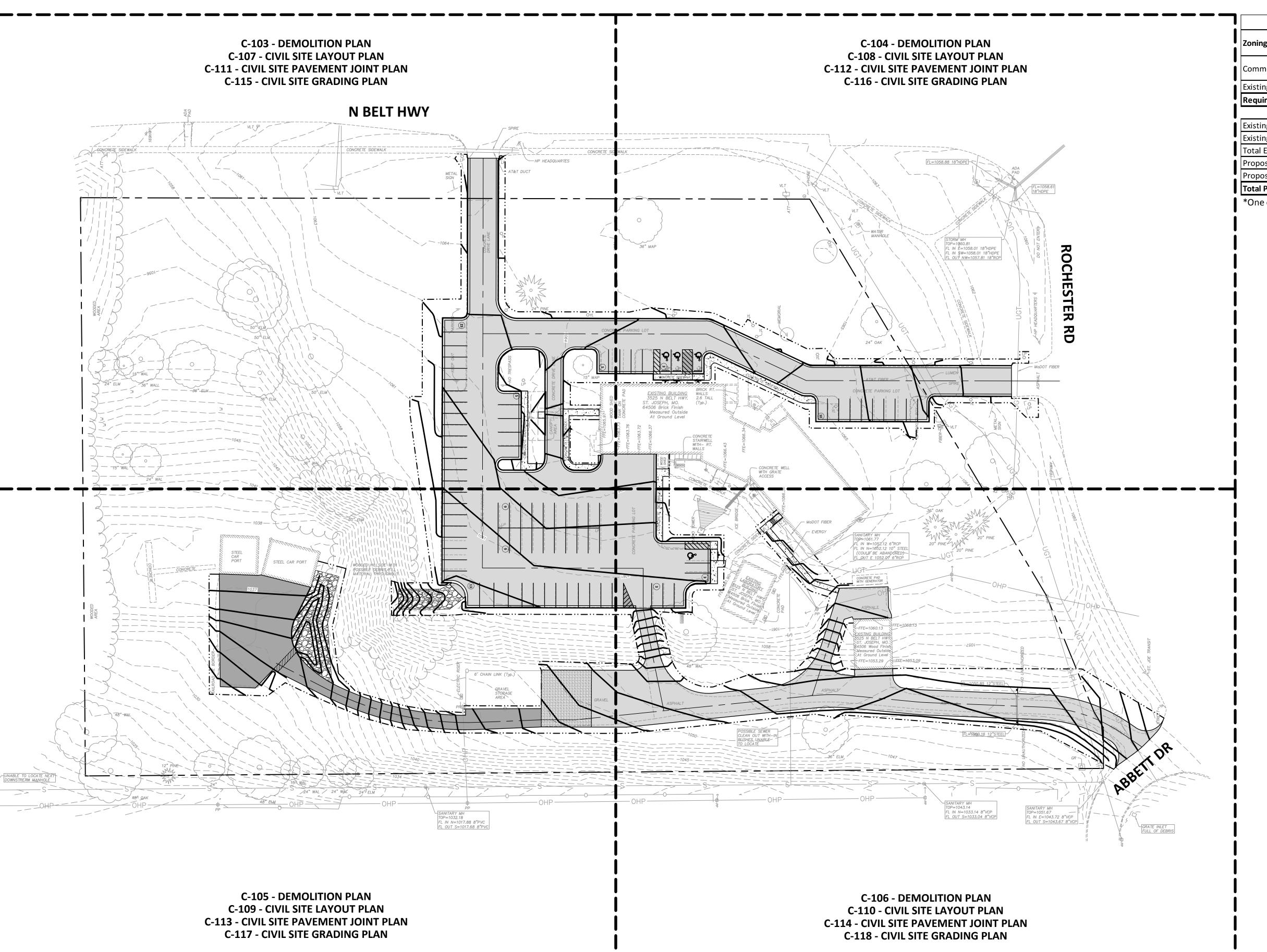
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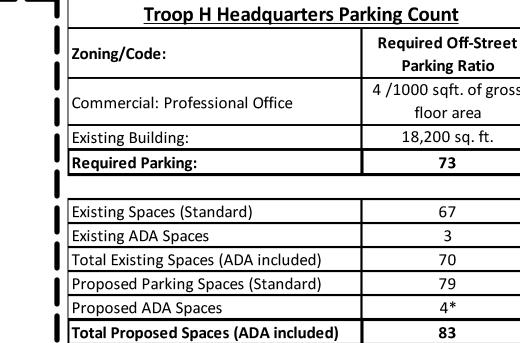
mo1call.com

GENERAL NOTES & SHEET INDEX

SHEET NUMBER:

2 OF 35 SHEETS





*One existing standard space to become ADA compliant

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009

FACILITY # 8136009002 & 8136009003

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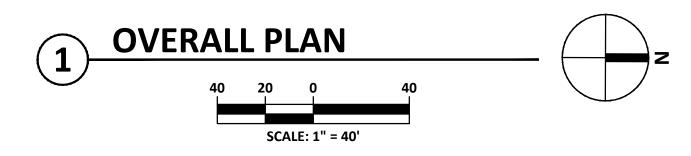
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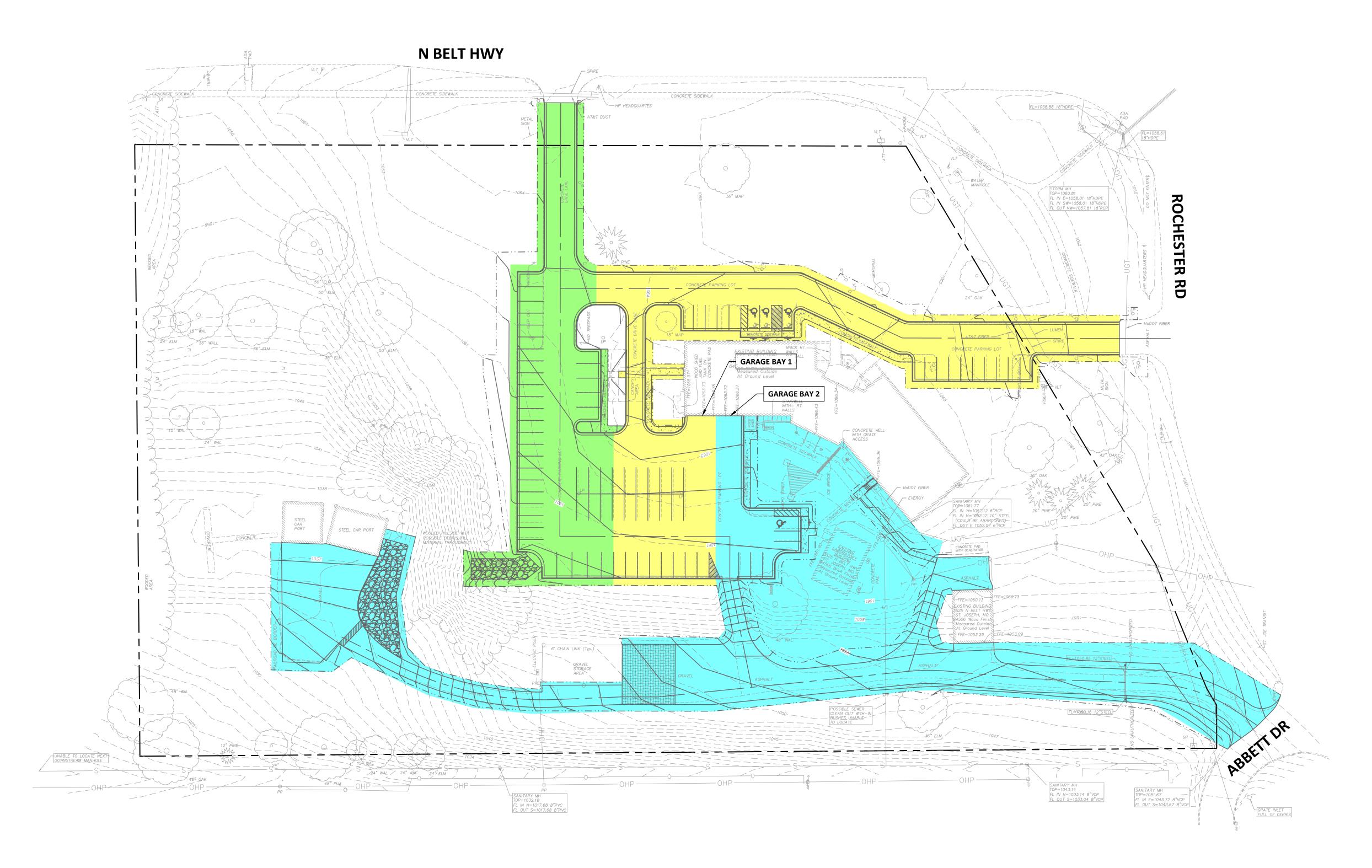
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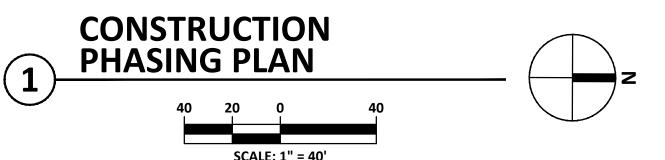
OVERALL PLAN

SHEET NUMBER:

C-101









PHASING REQUIREMENTS:

- DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR HAS FLEXIBILITY TO PROVIDE
- ALTERNATE CONSTRUCTION PHASING SEQUENCE FOR

AT LEAST ONE BAY AT MAINTENANCE GARAGE TO REMAIN OPEN THROUGHOUT CONSTRUCTION.
 MINIMUM OF 40 PARKING SPACES TO BE AVAILABLE

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STATE OF MISSOURI MICHAEL L. PARSON,

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MISSOURI STATE HIGHWAY **PATROL**

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 6009

FACILITY # 8136009002 & 8136009003

REVISION: DATE: **REVISION:** DATE: REVISION: DATE:

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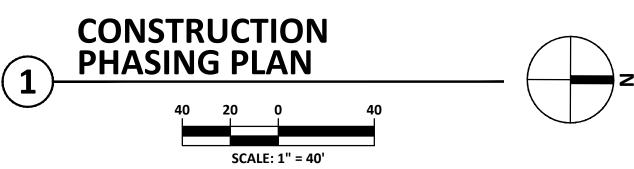
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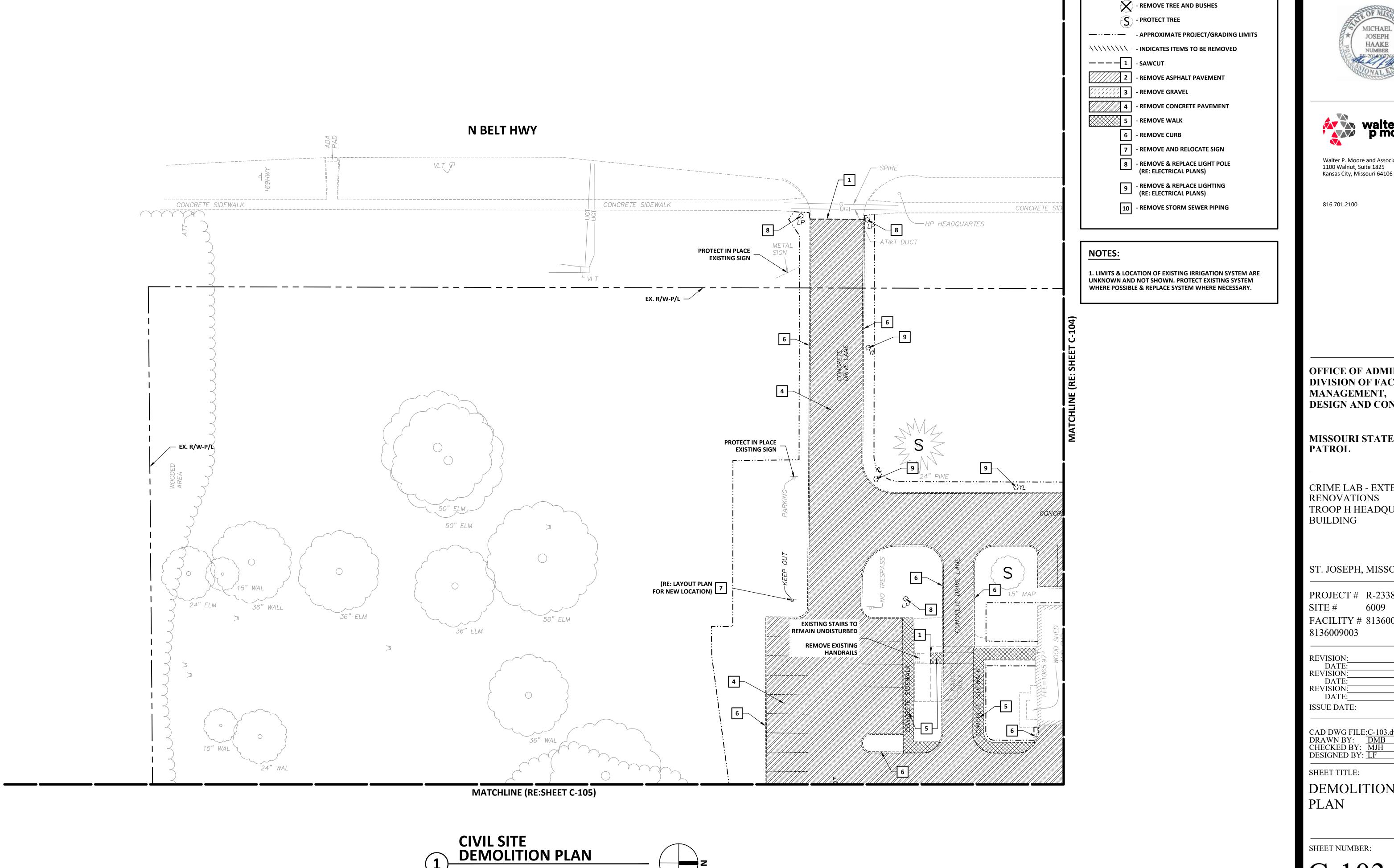
ISSUE DATE:

CONSTRUCTION PHASING PLAN

SHEET NUMBER:

C-102





SCALE: 1" = 20'

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

DEMOLITION LEGEND & KEYNOTES





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MISSOURI STATE HIGHWAY

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

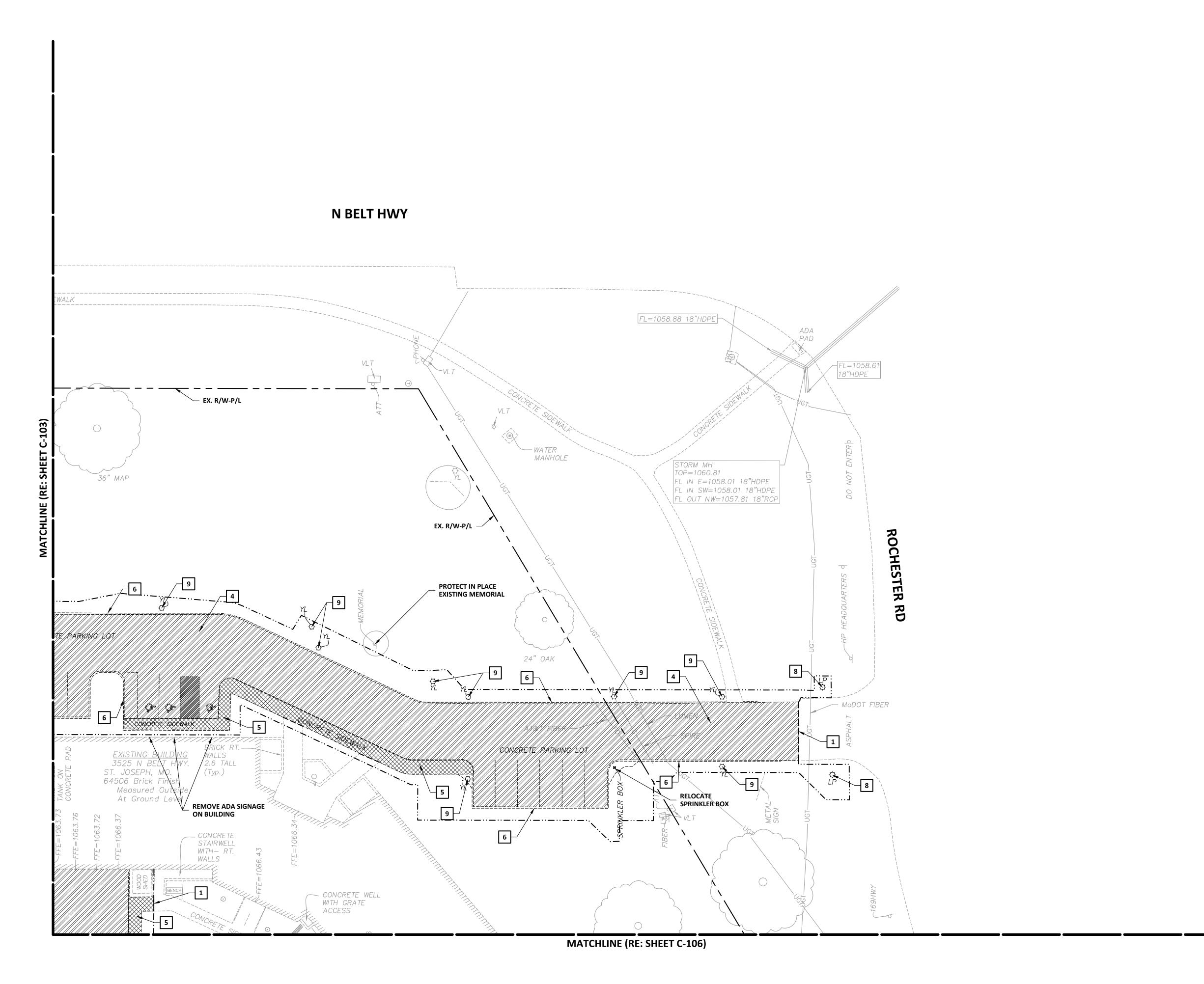
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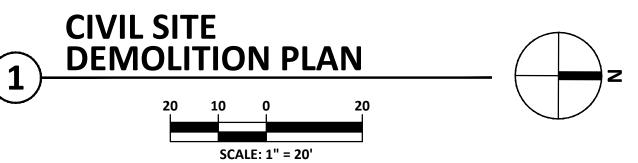
PROJECT # R-2338-01 6009

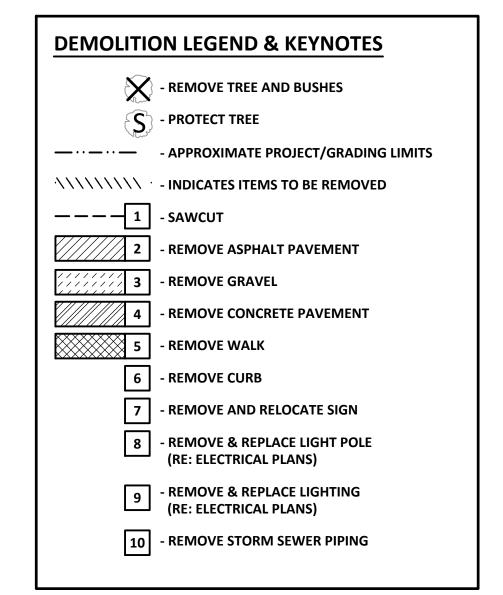
FACILITY # 8136009002 &

CAD DWG FILE:C-103.dwg
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DEMOLITION







NOTES:

1. LIMITS & LOCATION OF EXISTING IRRIGATION SYSTEM ARE UNKNOWN AND NOT SHOWN. PROTECT EXISTING SYSTEM WHERE POSSIBLE & REPLACE SYSTEM WHERE NECESSARY.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 &

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ISSUE DATE:

8136009003

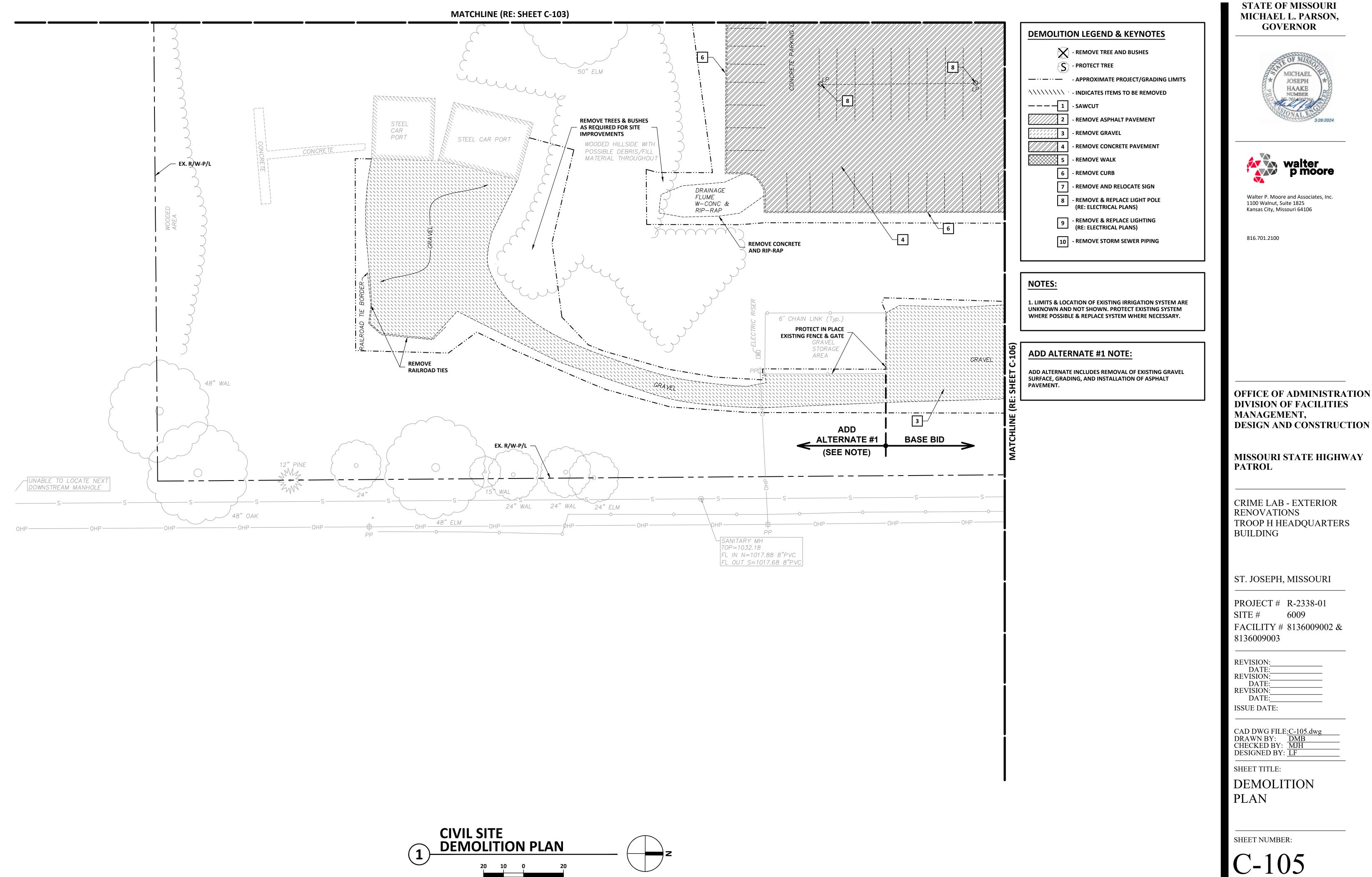
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DESIGNED BY: LF

SHEET TITLE:

DEMOLITION PLAN

SHEET NUMBER:

C-104

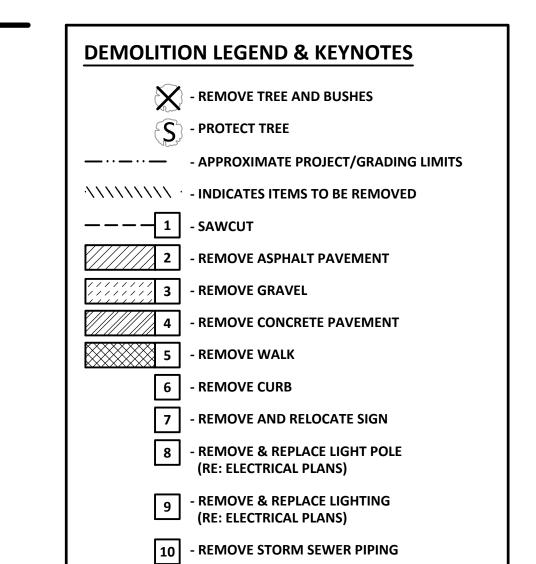


SCALE: 1" = 20'

OFFICE OF ADMINISTRATION

TROOP H HEADQUARTERS

SCALE: 1" = 20'



NOTES:

1. LIMITS & LOCATION OF EXISTING IRRIGATION SYSTEM ARE UNKNOWN AND NOT SHOWN. PROTECT EXISTING SYSTEM WHERE POSSIBLE & REPLACE SYSTEM WHERE NECESSARY.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009

FACILITY # 8136009002 & 8136009003

REVISION:
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DESIGNED BY: LF

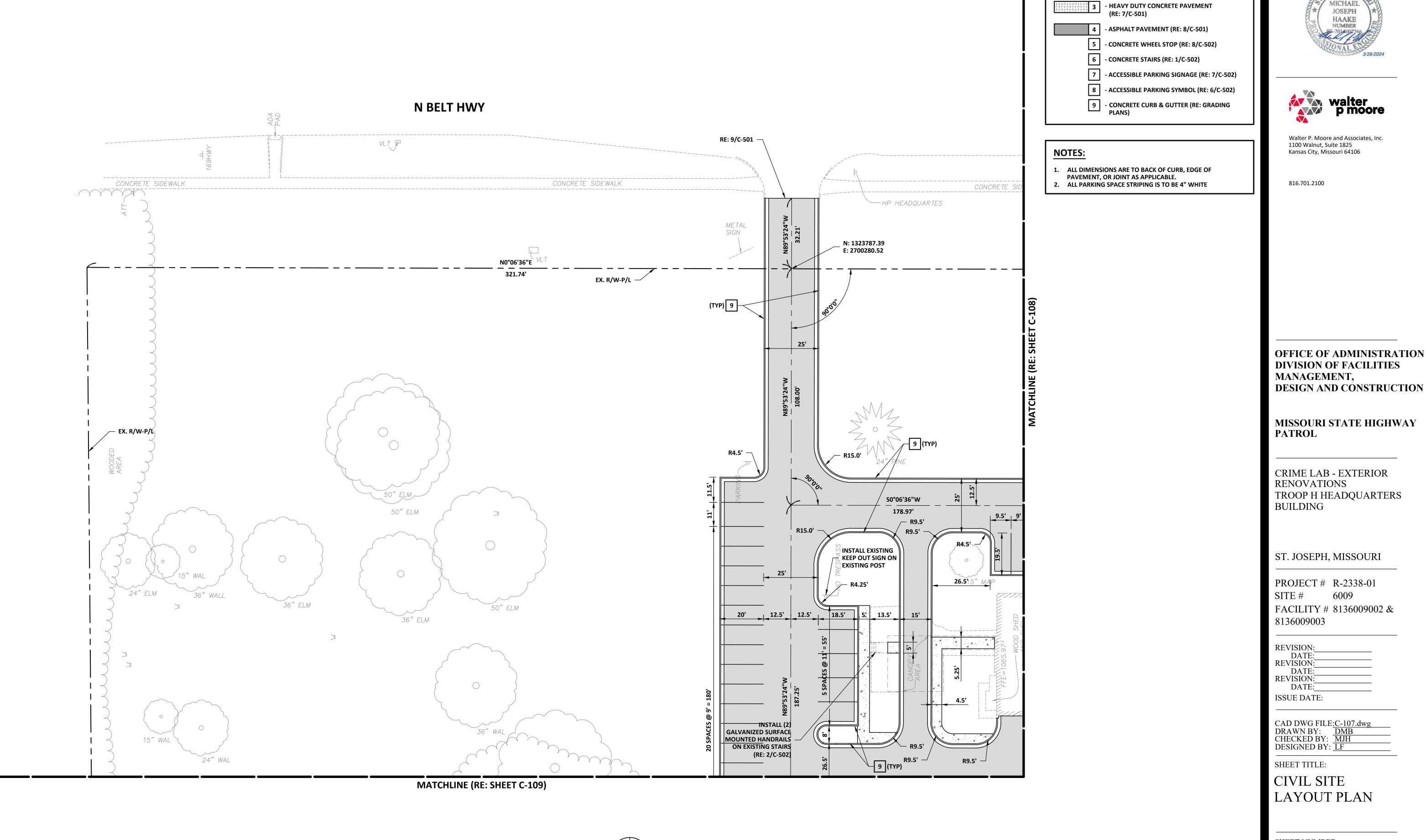
SHEET TITLE:

ISSUE DATE:

DEMOLITION PLAN

SHEET NUMBER:

C-106



CIVIL SITE LAYOUT PLAN

SCALE: 1" = 20'

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

LAYOUT LEGEND & KEYNOTES

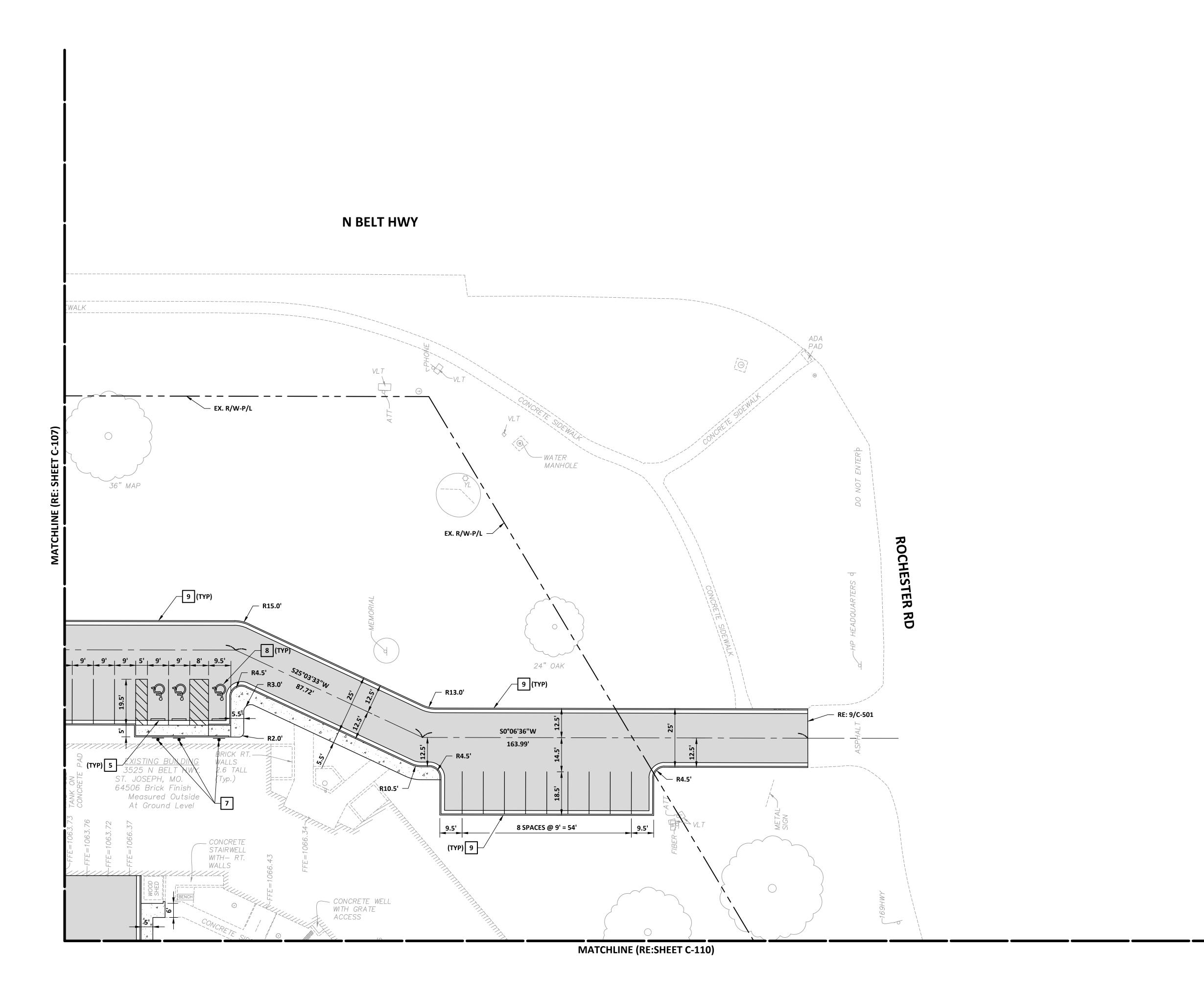
- CONCRETE PAVEMENT (RE: 5/C-501)

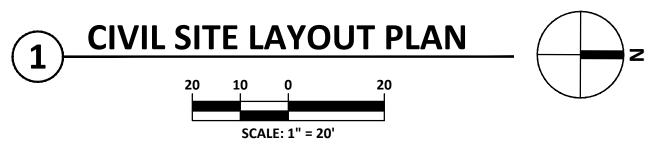
- CONCRETE SIDEWALK (RE: 6/C-501)



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES

SHEET NUMBER:





LAYOUT LEGEND & KEYNOTES

- 1 CONCRETE PAVEMENT (RE: 5/C-501) 2 - CONCRETE SIDEWALK (RE: 6/C-501) - HEAVY DUTY CONCRETE PAVEMENT (RE: 7/C-501) 4 - ASPHALT PAVEMENT (RE: 8/C-501)
 - 5 CONCRETE WHEEL STOP (RE: 8/C-502)
 - 6 CONCRETE STAIRS (RE: 1/C-502) 7 - ACCESSIBLE PARKING SIGNAGE (RE: 7/C-502)
 - 8 ACCESSIBLE PARKING SYMBOL (RE: 6/C-502)

9 - CONCRETE CURB & GUTTER (RE: GRADING PLANS)

NOTES:

- ALL DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, OR JOINT AS APPLICABLE.
 ALL PARKING SPACE STRIPING IS TO BE 4" WHITE

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY **PATROL**

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE# 6009 FACILITY # 8136009002 &

8136009003

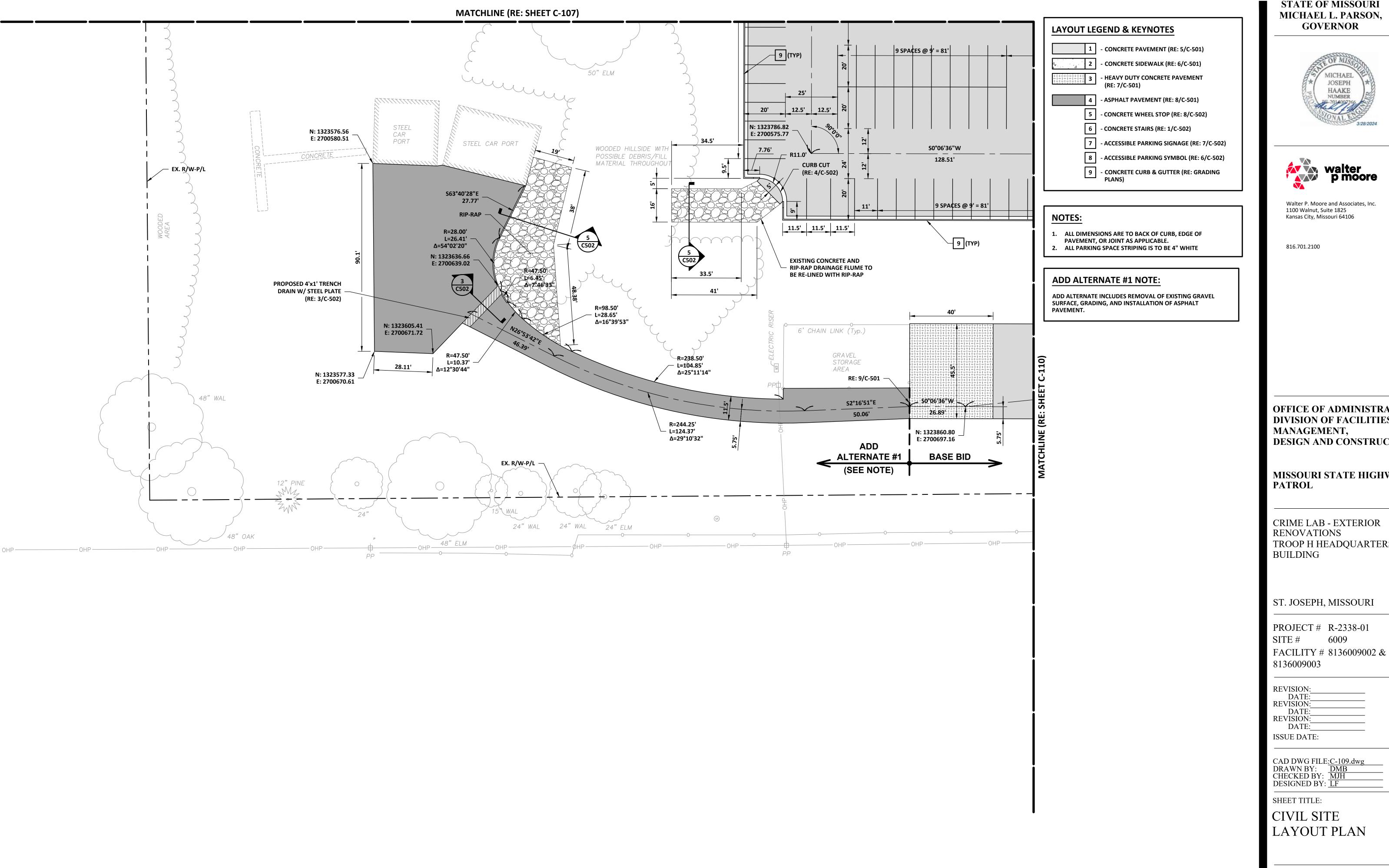
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CHECKED BY: MJH DESIGNED BY: LF

SHEET TITLE:

CIVIL SITE LAYOUT PLAN

SHEET NUMBER:



CIVIL SITE LAYOUT PLAN

SCALE: 1" = 20'

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

MISSOURI STATE HIGHWAY

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

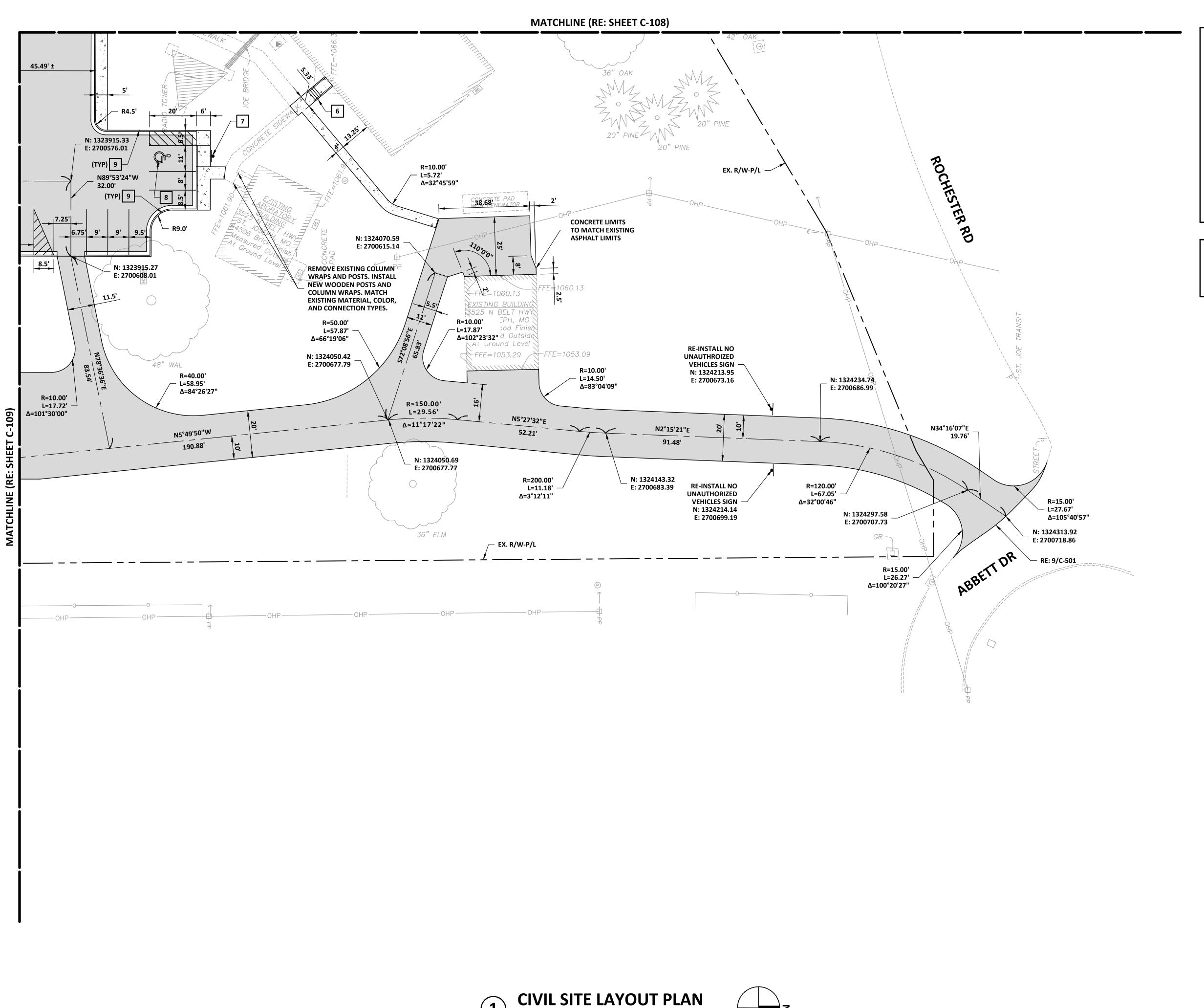
ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 6009

CAD DWG FILE:C-109.dwg
DRAWN BY: DMB
CHECKED BY: MJH DESIGNED BY: $\overline{\text{LF}}$

CIVIL SITE LAYOUT PLAN

SHEET NUMBER:



SCALE: 1" = 20'

LAYOUT LEGEND & KEYNOTES

1 - CONCRETE PAVEMENT (RE: 5/C-501)
2 - CONCRETE SIDEWALK (RE: 6/C-501)

- CONCRETE SIDEWALK (RE: 6/C-501)
- HEAVY DUTY CONCRETE PAVEMENT (RE: 7/C-501)

- ASPHALT PAVEMENT (RE: 8/C-501)

5 - CONCRETE WHEEL STOP (RE: 8/C-502)
6 - CONCRETE STAIRS (RE: 1/C-502)

7 - ACCESSIBLE PARKING SIGNAGE (RE: 7/C-502)

8 - ACCESSIBLE PARKING SYMBOL (RE: 6/C-502)

9 - CONCRETE CURB & GUTTER (RE: GRADING PLANS)

NOTES:

- 1. ALL DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, OR JOINT AS APPLICABLE.
- 2. ALL PARKING SPACE STRIPING IS TO BE 4" WHITE

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009

FACILITY # 8136009002 & 8136009003

REVISION:
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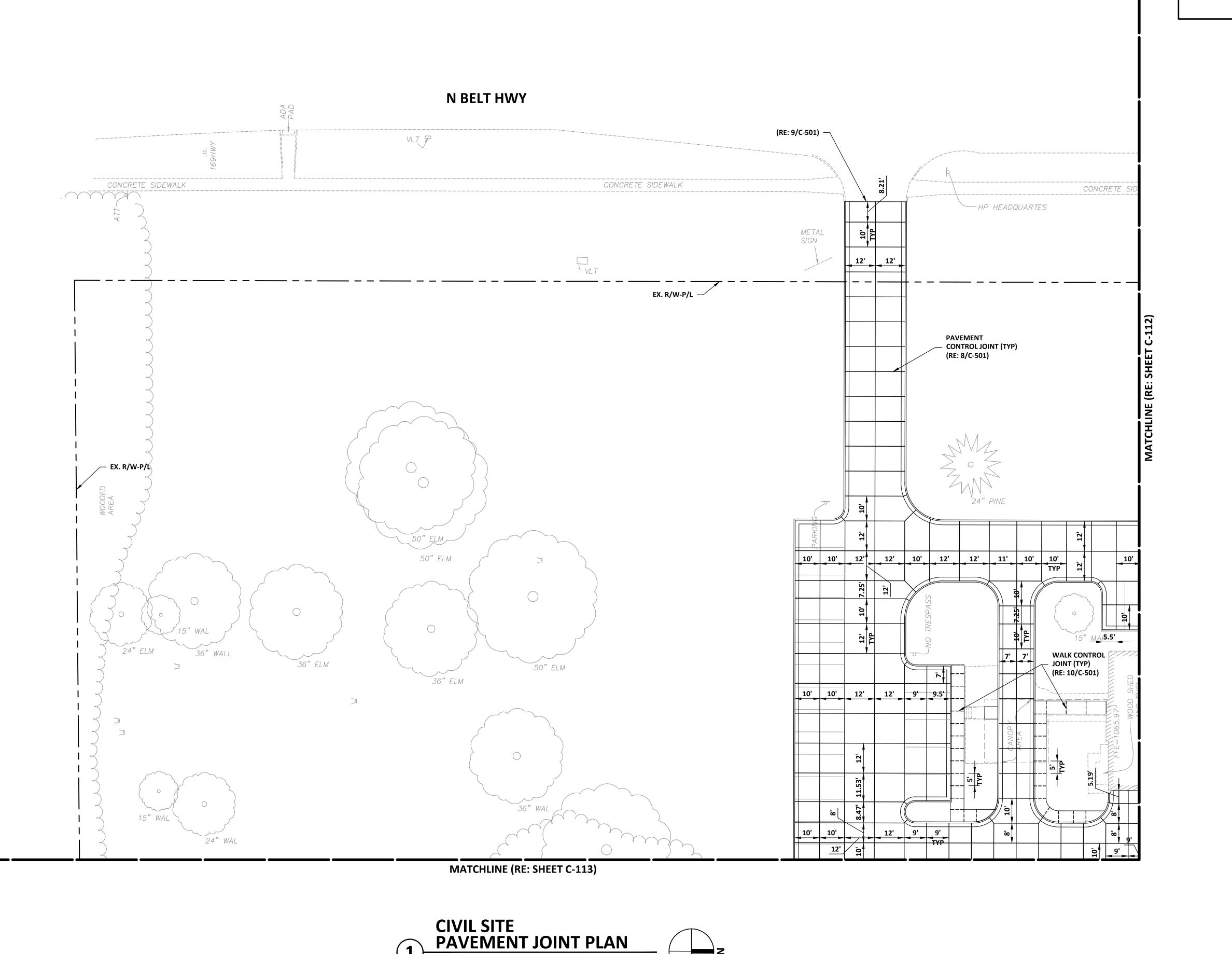
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CHECKED BY: MJH
DESIGNED BY: LF

SHEET TITLE:

CIVIL SITE LAYOUT PLAN

SHEET NUMBER:

C-110



SCALE: 1" = 20'

JOINT LEGEND

----- - WALK CONTROL JOINT (RE: 10/C-501)



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 & 8136009003

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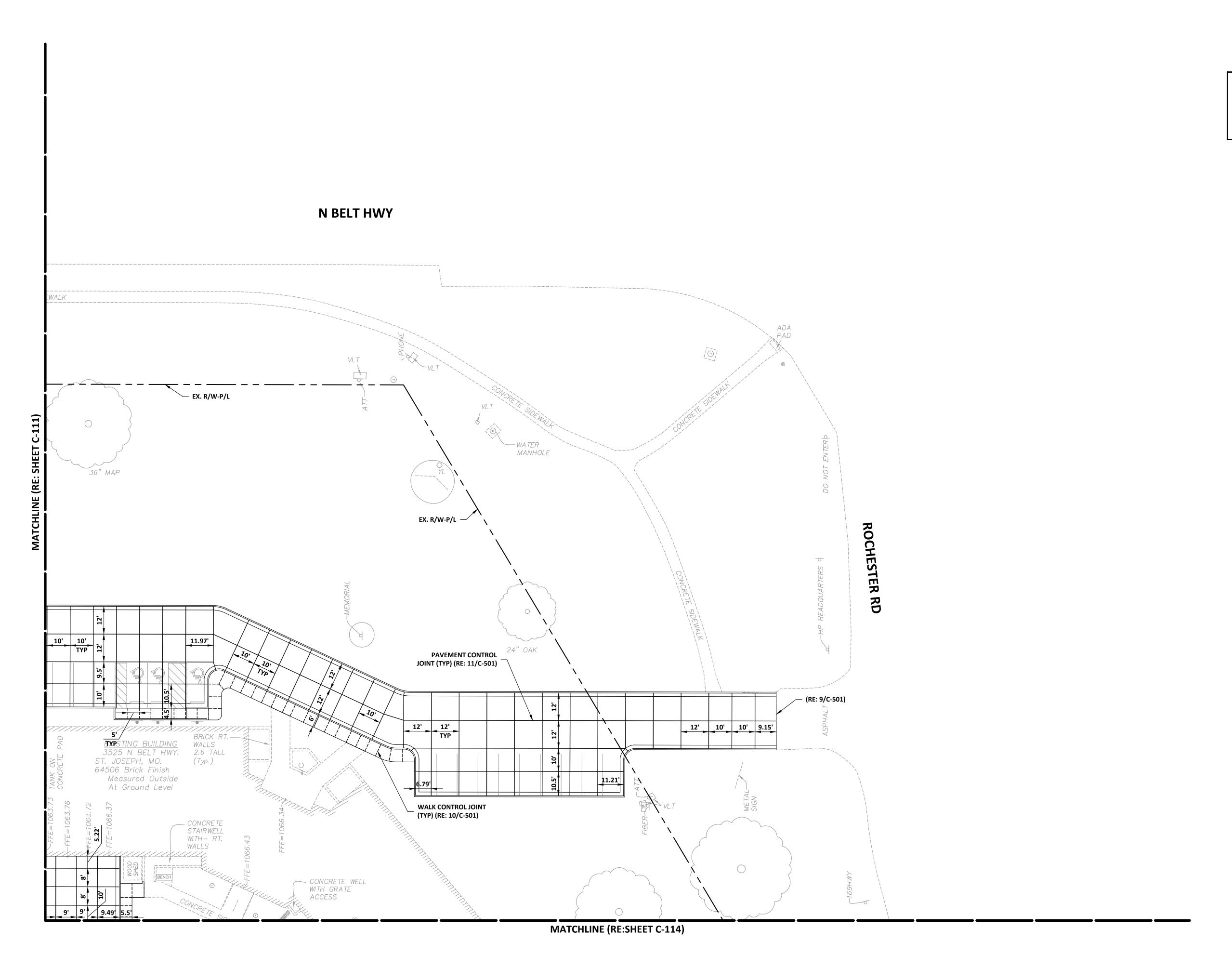
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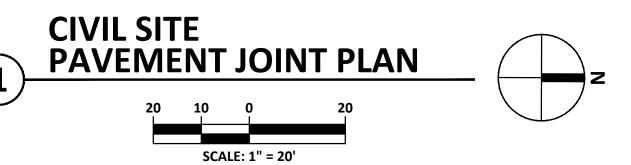
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CIVIL SITE
PAVEMENT JOINT
PLAN

SHEET NUMBER:







STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

JOINT LEGEND

- ----- WALK CONTROL JOINT (RE: 10/C-501)
 - PAVEMENT CONTROL JOINT (RE: 11/C-501)





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CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 &

8136009003

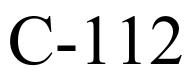
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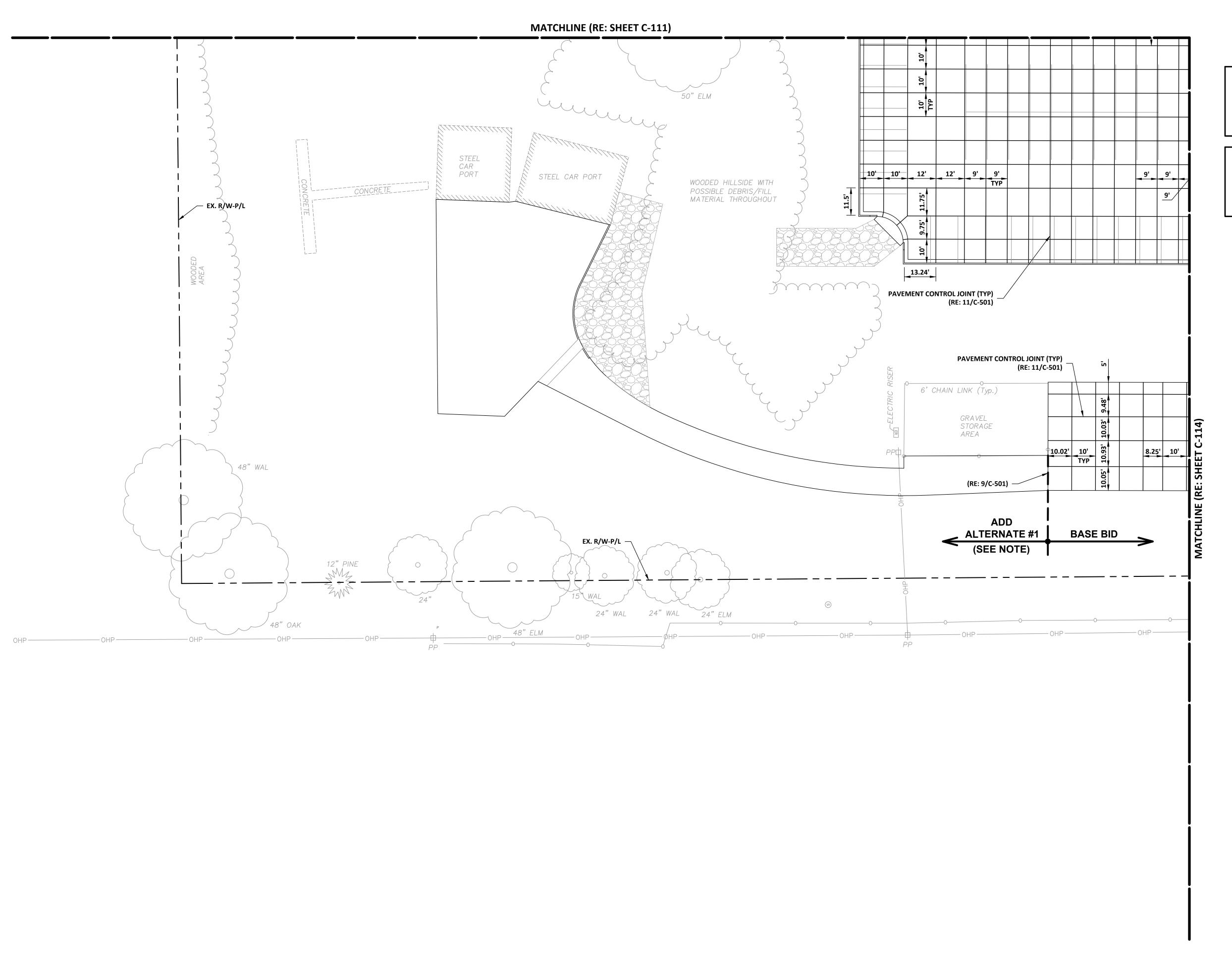
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DRAWN BY: DMB
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DESIGNED BY: LF

SHEET TITLE:

CIVIL SITE
PAVEMENT JOINT
PLAN

SHEET NUMBER:





CIVIL SITE PAVEMENT JOINT PLAN

SCALE: 1" = 20'

JOINT LEGEND

----- - WALK CONTROL JOINT (RE: 10/C-501)

- PAVEMENT CONTROL JOINT (RE: 11/C-501)

ADD ALTERNATE #1 NOTE:

ADD ALTERNATE INCLUDES REMOVAL OF EXISTING GRAVEL SURFACE, GRADING, AND INSTALLATION OF ASPHALT PAVEMENT.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 & 8136009003

REVISION:
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ISSUE DATE:

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SHEET TITLE:

CIVIL SITE
PAVEMENT JOINT
PLAN

SHEET NUMBER:

C-113

JOINT LEGEND

----- - WALK CONTROL JOINT (RE: 10/C-501)
----- - PAVEMENT CONTROL JOINT (RE: 11/C-501)

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 & 8136009003

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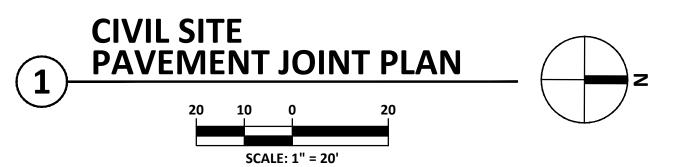
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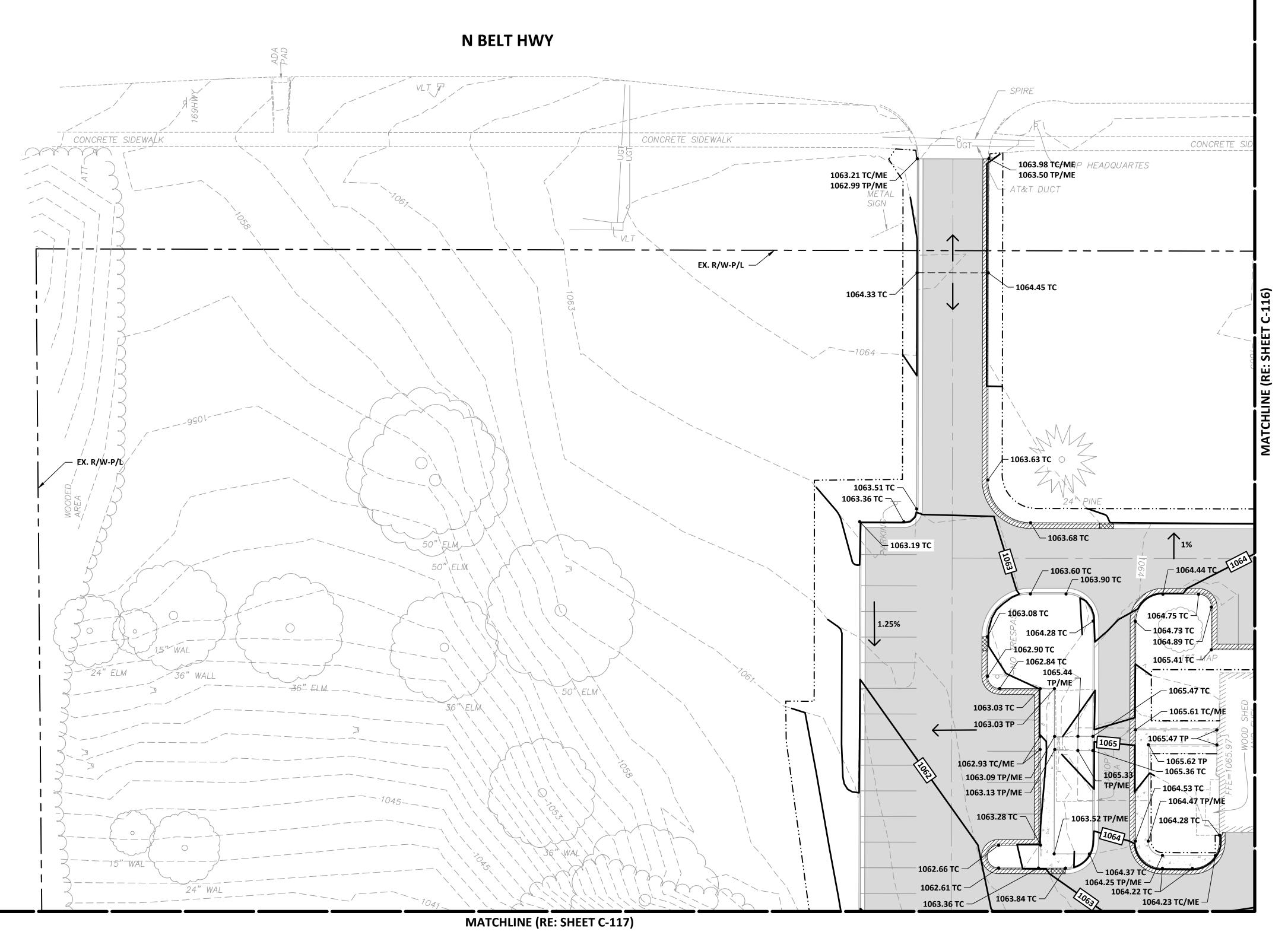
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CIVIL SITE
PAVEMENT JOINT
PLAN

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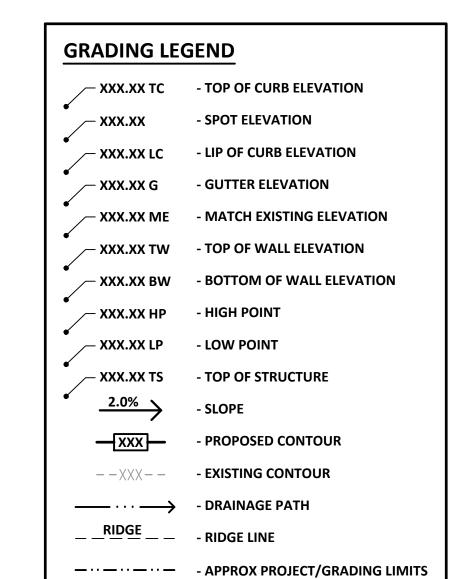






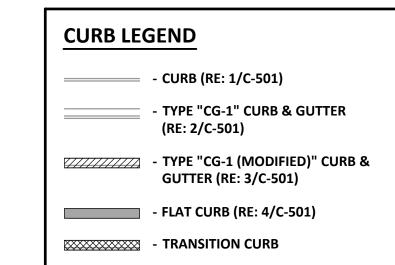
CIVIL SITE GRADING PLAN

SCALE: 1" = 20'



SHEET NOTE:

ALL DISTURBED AREAS ARE TO BE SEEDED ACCORDING TO THE PROJECT SPECIFICATIONS.



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





Walter P. Moore and Associates, Inc. 1100 Walnut, Suite 1825 Kansas City, Missouri 64106

816.701.2100

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009

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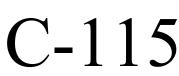
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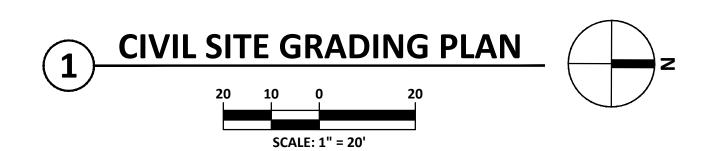
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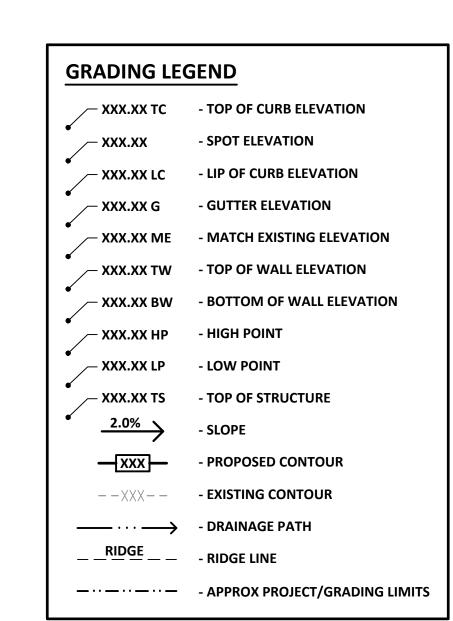
CIVIL SITE GRADING PLAN

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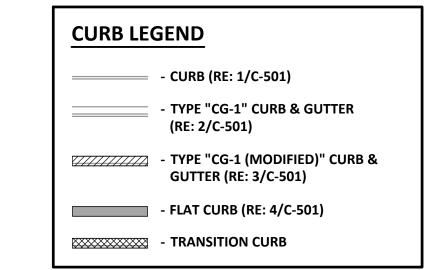
N BELT HWY FL=1058.88 18"HDPE 18"HDPE ─ EX. R/W-P/L MANHOLE TOP=1060.81 FL IN £=1058.01 18"HDPE FL IN \$W=1058.01 18"HDPE FL OUT NW=1057.81 18"RCP EX. R/W-P/L 1065.40 TC -− 1065.44 TC ─ 1064.77 TP 1064.59 TP -__ 1064.85 TP 1066.02 TC/HP — 1061.87 TC - 1064.94 TP 1064.54 TP ¬ 1061.31 24" OAK 1061.70 – 1062.04 TC TC/TP/ME TC/TP/ME 1065.52 TC 1064.97 LC 1062.28 TC -___ MoDOT FIBER – 1065.42 TC TC/TP/ME AT&I FIBER — _1064.91_TC/TP -1061.21 TC/TP/ME **− 1065.33 TC 1062.96 TC**∕ 1065.50 TP/ME 3525 N BELT HWY. 2.6 TALL - 1065.11 TC 1065.61 ST. JOSEPH, MO. TP/ME 64506 Brick Finish 1063.06 TC 1061.83 TC — 1065.32 TC Measured Outside 1063.61 TC — At Ground Level TP/ME _ CONCRETE STAIRWELL WITH- RT. WALLS **1064.12 TP/M€**< 1063.79 TC/ME -- CONCRETE WELL - 1063.91 TP/ME 🤫 WITH GRATE 1063.58 TC -ACCESS **MATCHLINE (RE: SHEET C-118)**





SHEET NOTE:

ALL DISTURBED AREAS ARE TO BE SEEDED ACCORDING TO THE PROJECT SPECIFICATIONS.



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





Walter P. Moore and Associates, Inc. 1100 Walnut, Suite 1825 Kansas City, Missouri 64106

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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 &

8136009003

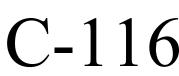
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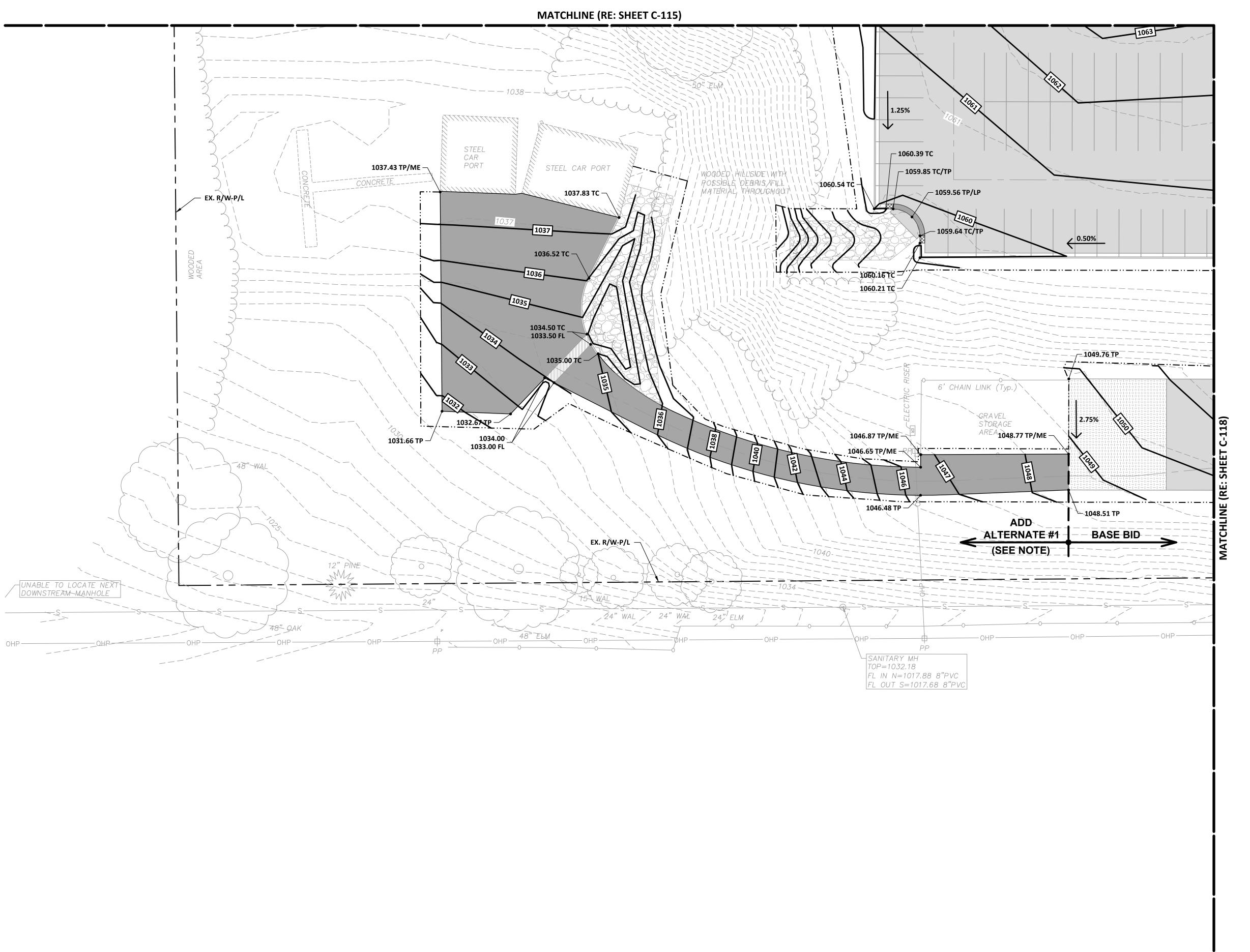
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DESIGNED BY: LF

SHEET TITLE:

CIVIL SITE GRADING PLAN

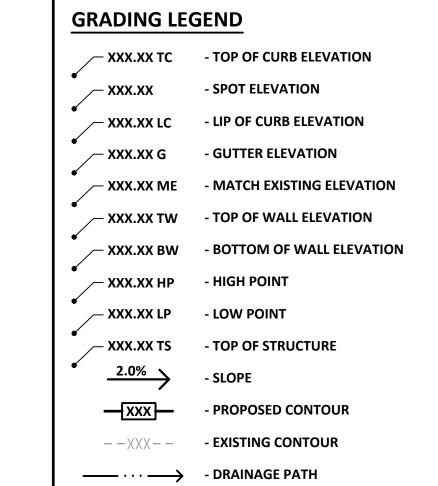
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CIVIL SITE GRADING PLAN

SCALE: 1" = 20'



SHEET NOTE:

ALL DISTURBED AREAS ARE TO BE SEEDED ACCORDING TO THE PROJECT SPECIFICATIONS.

-··-·- - APPROX PROJECT/GRADING LIMITS

ADD ALTERNATE #1 NOTE:

_ RIDGE _ - RIDGE LINE

ADD ALTERNATE INCLUDES REMOVAL OF EXISTING GRAVEL SURFACE, GRADING, AND INSTALLATION OF ASPHALT PAVEMENT.

CURB LEGEND - CURB (RE: 1/C-501) - TYPE "CG-1" CURB & GUTTER (RE: 2/C-501) - TYPE "CG-1 (MODIFIED)" CURB & GUTTER (RE: 3/C-501) - FLAT CURB (RE: 4/C-501) - TRANSITION CURB

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 & 8136009003

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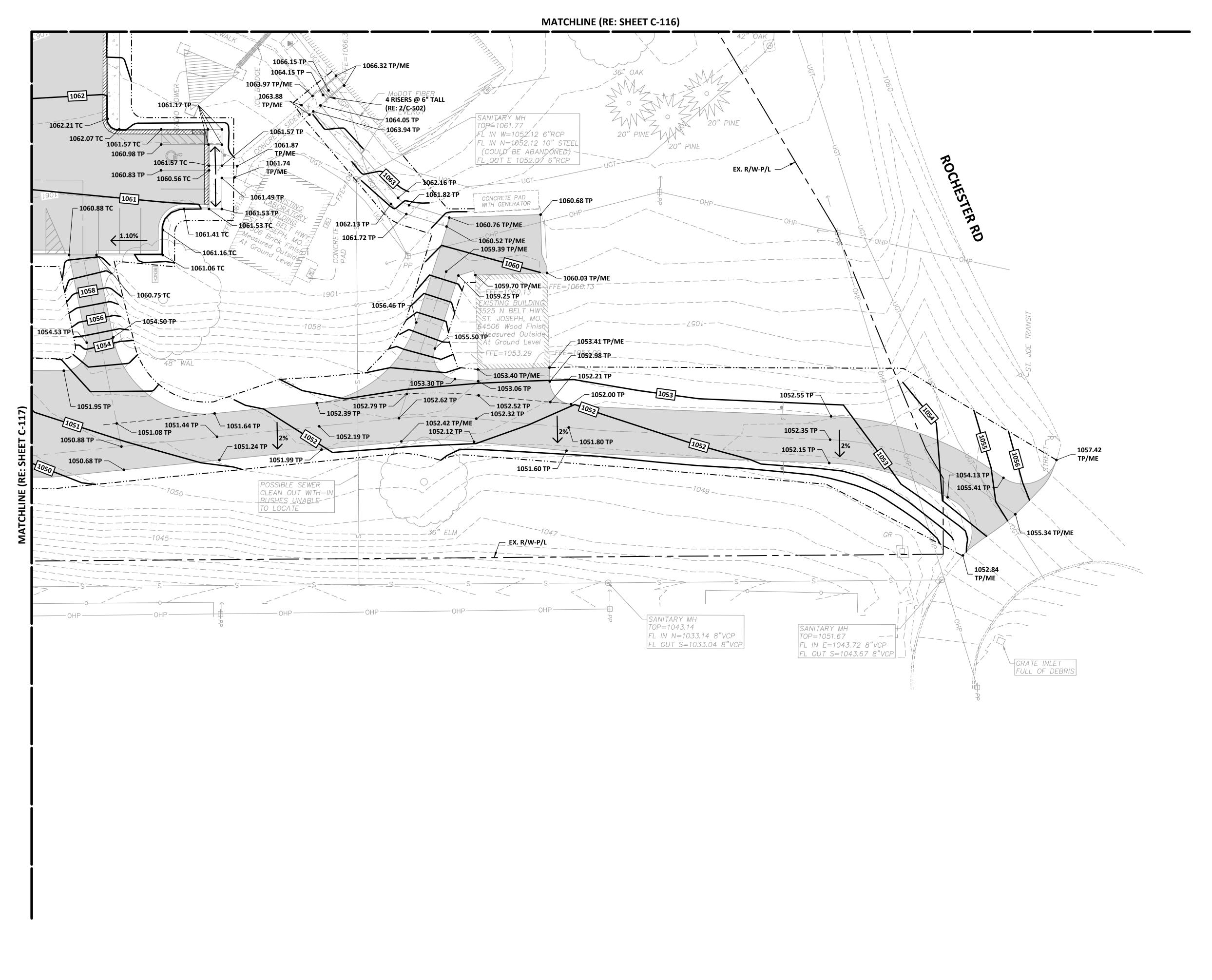
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CIVIL SITE GRADING PLAN

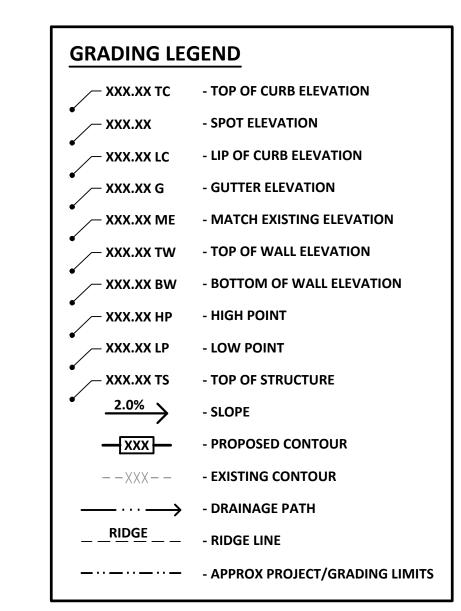
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C-117



CIVIL SITE GRADING PLAN

SCALE: 1" = 20'



SHEET NOTE:

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CURB LEGEND - CURB (RE: 1/C-501) - TYPE "CG-1" CURB & GUTTER (RE: 2/C-501) - TYPE "CG-1 (MODIFIED)" CURB & GUTTER (RE: 3/C-501) - FLAT CURB (RE: 4/C-501) - TRANSITION CURB

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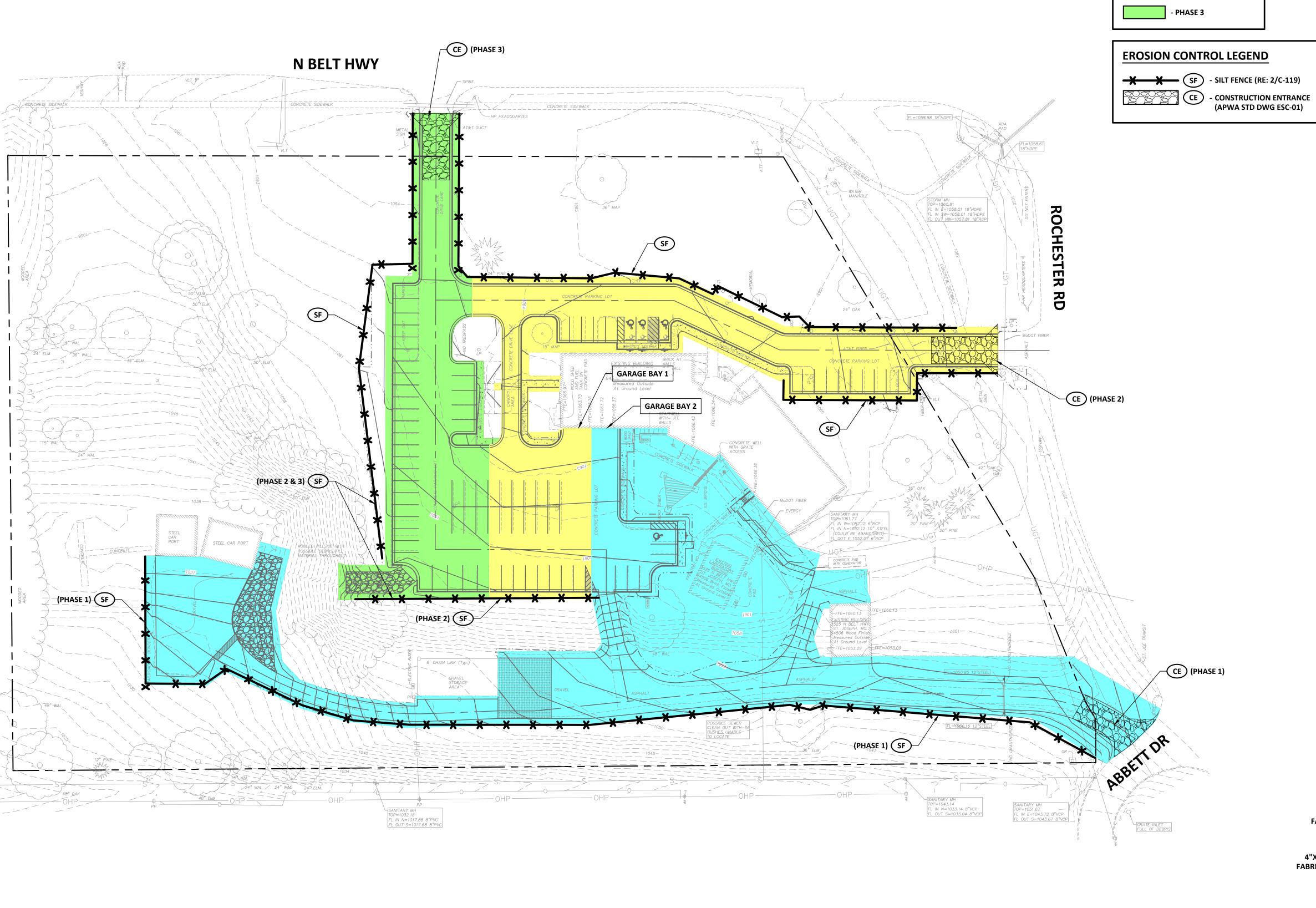
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CIVIL SITE GRADING PLAN

SHEET NUMBER:

C-118





PHASING LEGEND

- PHASE 1

- PHASE 2

- EROSION CONTROL FEATURES SHOWN ARE THE MINIMUM REQUIREMENTS ACCEPTABLE. PLACE ADDITIONAL EROSION CONTROL DEVICES AS RUNOFF AND DRAINAGE PATTERNS CHANGE DURING CONSTRUCTION TO PROHIBIT LOSS OF SOIL FROM THE SITE. MINIMIZE THE AMOUNT OF SURFACE AREA EXPOSED TO THE EXTENT PRACTICABLE.
- 4. LEAVE GRADED AREAS WITH A ROUGH TEXTURE TO PROMOTE
- INSTALL APPROVED SILT BARRIERS ON DOWNSTREAM SLOPES FOR THE EXTENT OF THE CONSTRUCTION LIMITS PRIOR TO BEGINNING ANY GRADING OPERATIONS.
- EMBED FABRIC 8 INCHES, BACKFILL TRENCH AND COMPACT.
- 8. CONTRACTOR SHALL DESIGNATE/INSTALL A CONSTRUCTION ENTRANCE/EXIT FROM THE SITE UTILIZING A SURFACE MATERIAL BE OF SUFFICIENT LENGTH TO ALLOW ACCUMULATED MUD TO DROP FROM THE EXISTING VEHICLES PRIOR TO LEAVING SITE PERIMETER. INSUFFICIENT LENGTHS WILL REQUIRE ALTERNATIVE CONSTRUCTION BOUNDARY. AN ONSITE CONCRETE WASHPIT SHALL BE INSTALLED PER APWA STD DWG ESC-01. COORDINATE
- MAINTAIN EROSION CONTROL DEVICES IN GOOD CONDITION AT ALL TIMES. INSPECT FREQUENTLY (MINIMUM ONCE PER WEEK) AND AFTER EACH RAINFALL. WRITTEN DOCUMENTATION OF INSPECTION REPORTS AND MAINTENANCE IS REQUIRED AND SHALL BE KEPT ON CONSTRUCTION SITE FOR REVIEW BY GOVERNING AUTHORITIES.
- 10. REDISTRIBUTE ACCUMULATED SEDIMENT UPSTREAM OF DEVICES.
- COMPOUNDS, ETC.
- 15. CONSTRUCT CONTAINMENT BERMS AND USE DRIP PANS AT FUEL
- THE CONTRACTOR SHALL REMOVE ANY EROSION DEBRIS AND RESTORE ADJACENT PROPERTY AND/OR THE RIGHT-OF-WAY TO ORIGINAL OR BETTER CONDITION.
- PERMANENT VEGETATION.
- C. SOW SEED AT A TOTAL RATE ACCORDING TO APWA KC METRO
- D. COMPACT SEEDED AREAS IMMEDIATELY FOLLOWING SOWING WITH A ROLLER WEIGHING BETWEEN 60 AND 90 POUNDS PER
- E. INSTALL VEGETATIVE MULCH WITHIN 24 HOURS OF SEED
- INSTALLATION. F. ANCHOR MULCH TO SOIL A MINIMUM OF 3 INCHES DEEP BY USE
- OF A HEAVY DISC HARROW OR SIMILAR EQUIPMENT. COMPLETE ANCHORING BY NOT MORE THAN 2 PASSES.
- G. CONTRACTOR SHALL MAINTAIN VEGETATION UNTIL SUBSTANTIAL COMPLETION. FOLLOWING SUBSTANTIAL COMPLETION, ALL VEGETATED AREAS ARE TO BE UNDER WARRANTY FOR A PERIOD OF ONE YEAR. AREAS WHERE VEGETATION HAS NOT BEEN ESTABLISHED SHALL BE REPLACED.

- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BERMS, SILT FENCES, OR OTHER MEANS TO PREVENT EROSION FROM REACHING
- LIMIT UNNECESSARY TRAFFIC ON GRADED AREAS.
- SILT FENCES: A. INSTALL SILT FENCES AT LOCATIONS SHOWN GENERALLY ALONG
- THE CONTOUR OF DOWNSTREAM SLOPES. B. INSTALL POSTS ANGLING SLIGHTLY UPSTREAM. SPACE POSTS TO FULLY SUPPORT FABRIC, UNDER SILT AND WATER FLOW
- C. EXCAVATE 4 INCH BY 4 INCH TRENCH ON UPSTREAM SIDE,
- D. FASTEN FABRIC (AND WIRE FENCE, IF USED) SECURELY TO POSTS.
- THAT DOES NOT TRACK ONTO ADJACENT ROADWAYS. EXIT SHALL MANAGEMENT PLANS TO AVOID TRACKING MATERIALS FROM THE WITH OWNER AND ENGINEER ON LOCATION.
- 11. REMOVE EROSION CONTROL DEVICES WHEN NO LONGER NEEDED. 12. PROPERLY DISPOSE OF SOLID WASTE, PAINTS, SOLVENTS, CLEANING
- 13. STORE CONSTRUCTION MATERIALS AWAY FROM LOW AREAS AND
- 14. PROVIDE PORTABLE TOILETS AND PROPERLY DISPOSE OF SANITARY
- AND LIQUID STORAGE TANKS. 16. IN THE EVENT THE PREVENTION MEASURES ARE NOT EFFECTIVE,
- 17. CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS FOR
- 18. SEEDING:
- A. APPLY FERTILIZER AT A RATE OF 600 POUNDS PER ACRE (7 POUNDS PER 500 SQUARE FEET).
- B. SOW SEED WITH MECHANICAL SPREADER OR DRILL.
- **CHAPTER SPECIFICATION SECTION 2400.**
- LINEAR FOOT.

ST. JOSEPH, MISSOURI PROJECT # R-2338-01

STATE OF MISSOURI MICHAEL L. PARSON,

GOVERNOR

JOSEPH

HAAKE

walter p moore

Walter P. Moore and Associates, Inc.

OFFICE OF ADMINISTRATION

DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY

CRIME LAB - EXTERIOR

TROOP H HEADQUARTERS

RENOVATIONS

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DIVISION OF FACILITIES

MANAGEMENT,

PATROL

1100 Walnut, Suite 1825

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Kansas City, Missouri 64106

6009 FACILITY # 8136009002 & 8136009003

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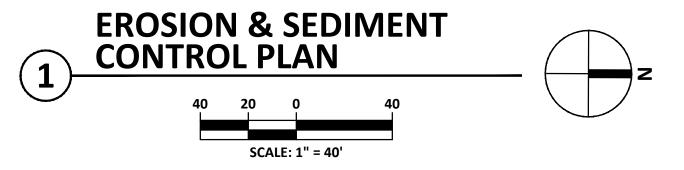
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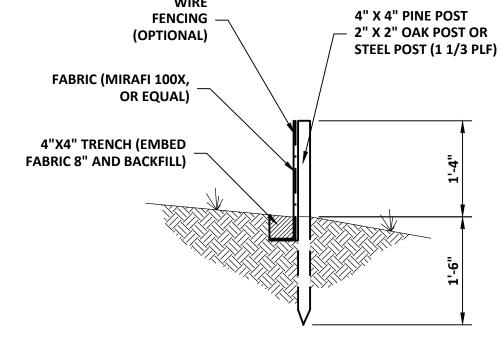
ISSUE DATE:

EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

21 OF 35 SHEETS 03/28/2024

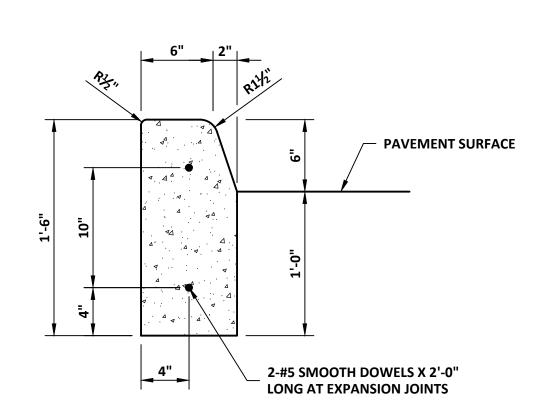


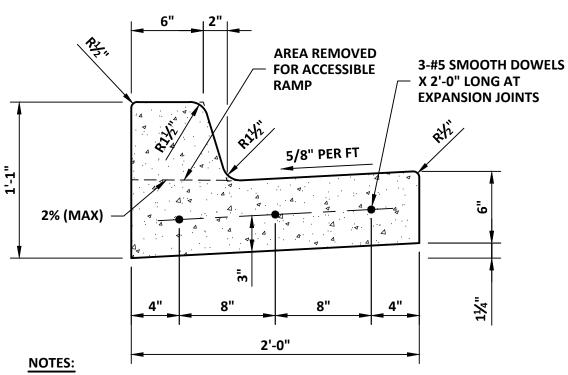


SYMBOL SF

NOTES:

1. SECURELY FASTEN FABRIC AND WIRE FENCING (IF USED) TO POSTS. 2. SPACE POSTS TO FULLY SUPPORT FABRIC CONSIDERING LOADING FACTORS OF WATER RUNOFF WITH ACCUMULATED SILT.





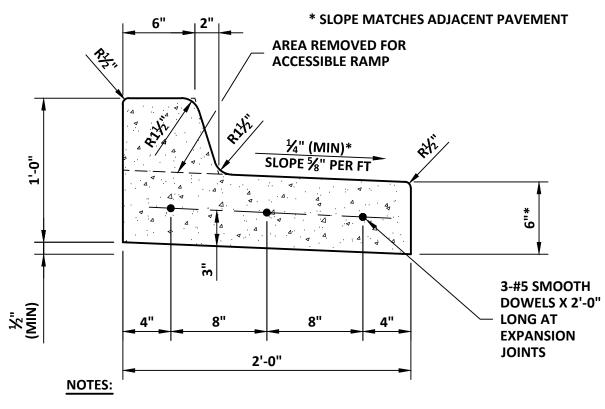
1. 1/2" WIDE ISOLATION JOINTS WITH 5/8" DIA. X 2' SMOOTH DOWELS SHALL BE

CG-1 CURB AND GUTTER

SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES, AND POSITIONED USING BAR SUPPORTS. 2. 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS (OR AT CONCRETE PAVEMENT JOINTS, IF APPLICABLE). JOINT SHALL

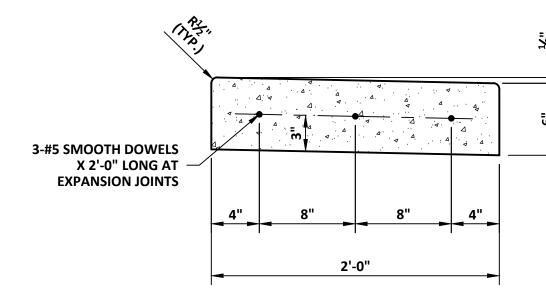
PLACED AT RADIUS POINTS AND AT 150' (MINIMUM) INTERVALS. DOWELS

- PASS ACROSS THE ENTIRE CURB SECTION. 3. DEPTH OF CURB SHALL INCREASE TO A MINIMUM OF 8" THROUGH THE
- HANDICAP ACCESS RAMPS.



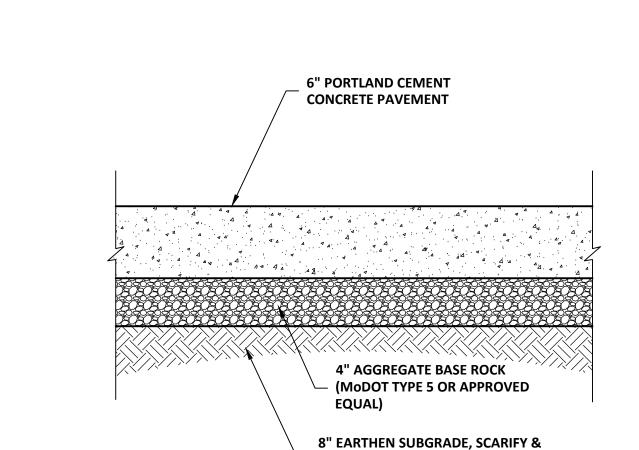
- 1. 1/2" WIDE ISOLATION JOINTS WITH 5/8" DIA. X 2' SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' (MINIMUM) INTERVALS. DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES, AND POSITIONED USING BAR SUPPORTS.
- 2. 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS (OR AT CONCRETE PAVEMENT JOINTS, IF APPLICABLE). JOINT SHALL PASS ACROSS THE ENTIRE CURB SECTION.
- 3. DEPTH OF CURB SHALL INCREASE TO A MINIMUM OF 8" THROUGH THE HANDICAP ACCESS RAMPS.

CG-1 MODIFIED CURB & GUTTER



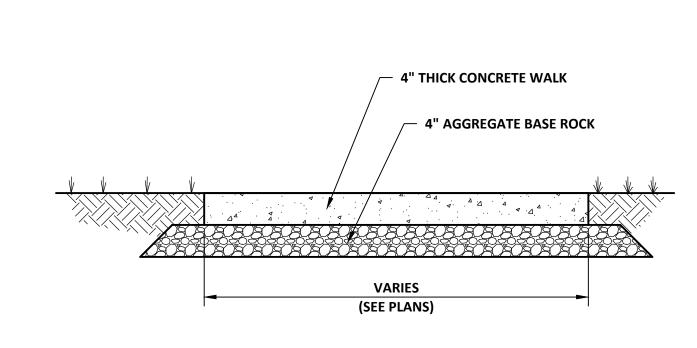
- 1. ½" WIDE ISOLATION JOINTS WITH 5%" DIA. X 2' SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' (MINIMUM) INTERVALS. DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES, AND POSITIONED USING BAR SUPPORTS.
- 2. 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS (OR AT CONCRETE PAVEMENT JOINTS, IF APPLICABLE). JOINT SHALL PASS ACROSS THE
- 3. DEPTH OF CURB SHALL INCREASE TO A MINIMUM OF 8" THROUGH THE HANDICAP ACCESS





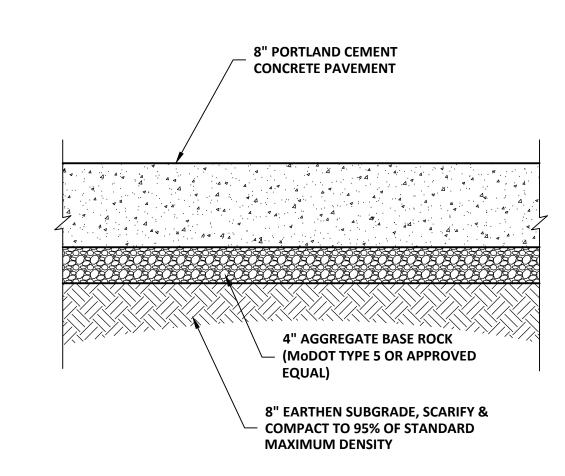
COMPACT TO 95% OF STANDARD

MAXIMUM DENSITY

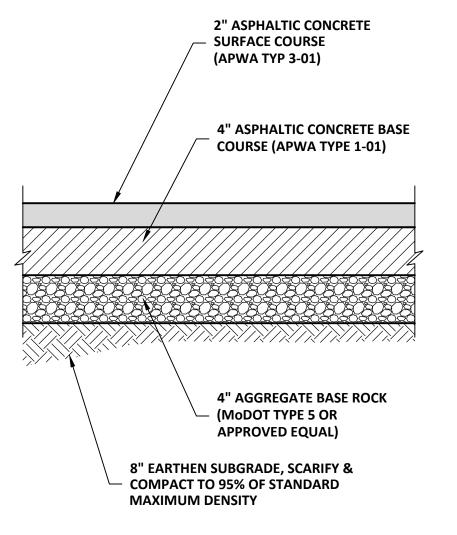


NOTES: 1. PROVIDE TOOLED CONTROL JOINTS AT **UNIFORM SPACING EQUAL TO SIDEWALK**

CONCRETE WALK SECTION

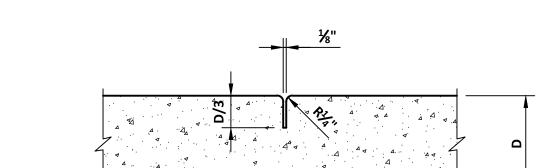


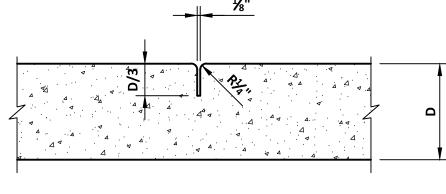




ASPHALT CONCRETE PAVEMENT SECTION 8







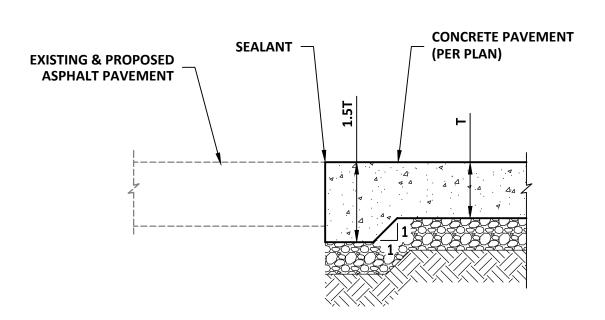
SEALANT € JOINT D/8 SMOOTH DOWELS, **1**/8"-**1**/4" SAWCUT 16" LONG, @ 18" O.C. LUBRICATE ONE END 1'-4"

NOTES

1. ALL CONCRETE WALK CONTROL JOINTS SHALL BE TOOLED.

NOTES:

1. ALL CONCRETE PAVEMENT CONTROL JOINTS SHALL BE SAWCUT.



CONCRETE HEADER AT ASPHALT



6

CONCRETE PAVEMENT CONTROL JOINT



STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

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DESIGN AND CONSTRUCTION

MISSOURI STATE HIGHWAY

CRIME LAB - EXTERIOR

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01

6009

FACILITY # 8136009002 &

TROOP H HEADQUARTERS

RENOVATIONS

BUILDING

8136009003

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CIVIL SITE

CAD DWG FILE:C-501.dwg

DIVISION OF FACILITIES

MANAGEMENT,

PATROL

1100 Walnut, Suite 1825

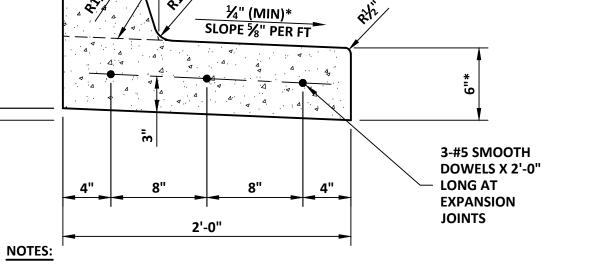
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22 OF 35 SHEETS 03/28/2024



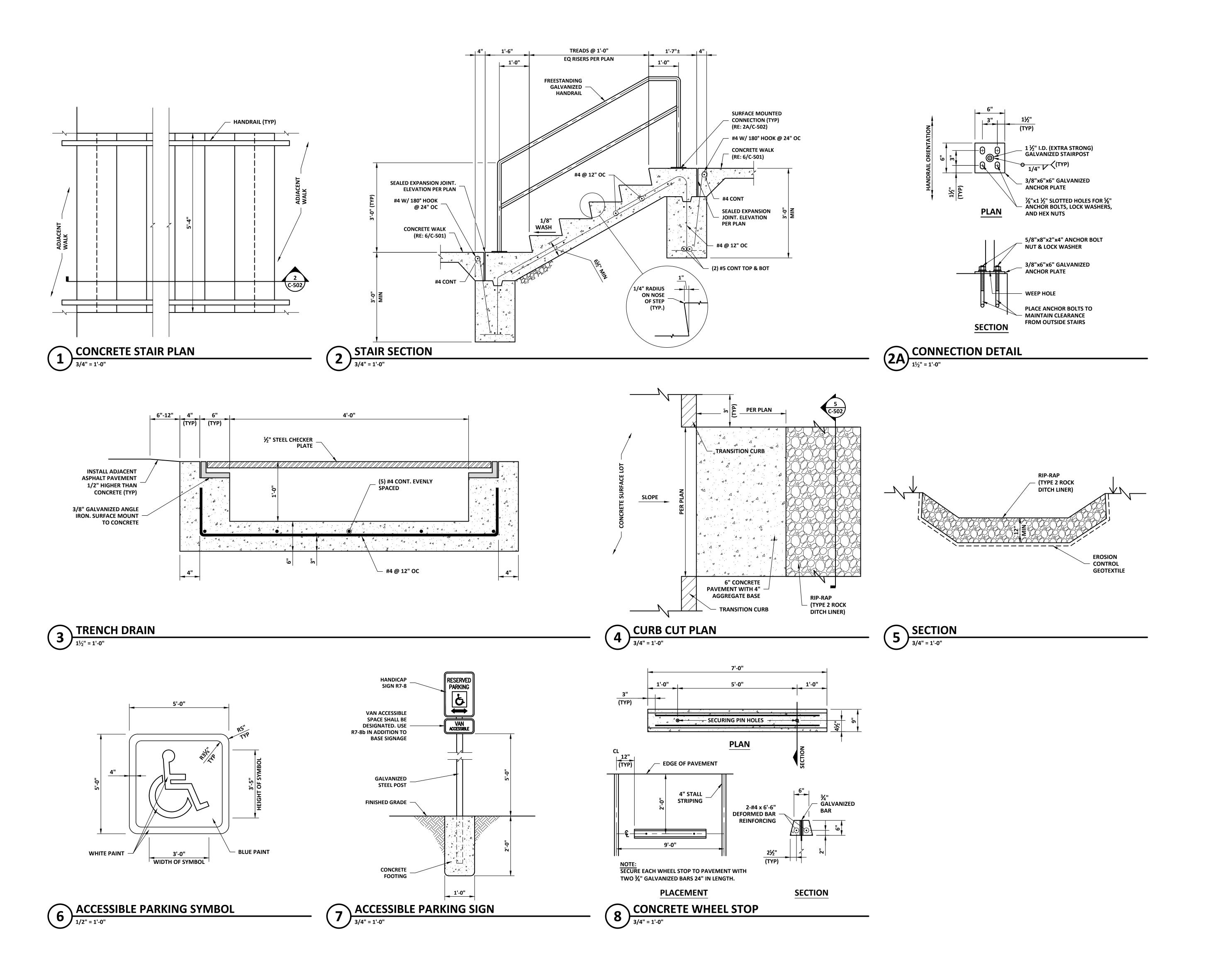




NOTES:

ENTIRE CURB SECTION.





STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 &

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CHECKED BY: MJH
DESIGNED BY: LF

SHEET TITLE:

CIVIL SITE DETAILS

SHEET NUMBER:

C-502

GENERAL ELECTRICAL NOTES

- 1. THIS IS A GENERAL LEGEND SHEET. SOME SYMBOLS AND ABBREVIATIONS MAY NOT BE USED ON THIS SPECIFIC PROJECT.
- 2. ALL WORK SHALL CONFORM WITH THE MOST CURRENT NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES AND ORDINANCES AND O.S.H.A. WHERE MINIMUM CODE REQUIREMENTS ARE EXCEEDED BY THE REQUIREMENTS INDICATED IN THE SPECIFICATIONS AND ON THESE DRAWINGS, THE DRAWINGS AND SPECIFICATIONS SHALL TAKE PRECEDENCE. (IN THE CASE OF CODE CONFLICT DIRECTION SHALL BE TAKEN FROM THE MORE STRICT OF THE CONFLICTING CODES).
- 3. CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING DRAWINGS & PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES & SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS & CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE FULL SET OF DOCUMENTS. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF THE MECHANICAL, PIPING, ETC. CONDUIT & PIPE TO BE RUN TO MAXIMIZE USE OF CEILING SPACE FOR USE BY OTHER TRADES.
- 4. CONDUIT ROUTES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY AND PROVIDE CONDUIT ROUTES AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR ROUTING ALL CONDUITS NOT SHOWN ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO CONDUITS SHOWN ON THE ONE-LINE AND CONTROL DIAGRAMS AS WELL AS HOME RUNS SHOWN ON THE PLAN DRAWINGS. CONDUITS SHALL BE ROUTED AS DEFINED IN THE SPECIFICATIONS.
- WHERE EXISTING CIRCUITS, CONDUCTORS, CONDUITS, JUNCTION BOXES, PANELS, SWITCHES AND OTHER EQUIPMENT CONFLICTS WITH NEW CONSTRUCTION, EXISTING EQUIPMENT SHALL BE RELOCATED TO MAINTAIN FUNCTION AND SERVICE.
- 6. AT THE CONCLUSION OF THIS PROJECT PROVIDE AN UPDATED TYPEWRITTEN, AS-BUILT DIRECTORY INSIDE EACH PANELBOARD/SWITCHBOARD PROPERLY IDENTIFYING EACH CIRCUIT USED & THE SPECIFIC LOAD SERVED. ALSO PROVIDE SCHEDULES ON CD DISK.
- 7. FIELD VERIFY EXACT LOCATION OF ALL FLOOR PENETRATIONS PRIOR TO ROUGH-IN INSTALLATION.
- 8. OPENINGS SHALL BE CUT TO THE EXACT SIZE REQUIRED IN ORDER TO MAINTAIN ANY MATERIAL RATINGS AND SEALED TO MAINTAIN RATING. PROVIDE ALL NECESSARY FLOOR CUTTING/PENETRATIONS AND ALL OF THE RE-PATCHING FOR THE COMPLETE EXECUTION OF THIS WORK.
- 9. CONCEAL ALL ELECTRICAL WIRING AND RACEWAYS WHERE CONSTRUCTION PERMITS. EXPOSED RACEWAY SHALL BE MINIMIZED WHERE STRUCTURE IS EXPOSED TO VIEW. WHERE NECESSARY, CAREFULLY INSTALL RACEWAYS PARALLEL TO WALLS, BEAMS AND COLUMNS. EXPOSED RACEWAY SHALL BE HELD TIGHT TO STRUCTURE & LOCATED SO AS TO KEEP IT AS INCONSPICUOUS AS POSSIBLE.
- 10. PROVIDE FIRESTOPPING TO MAINTAIN FIRE RATINGS AT ALL PENETRATIONS OF RATED CONSTRUCTION.
- 11. ALL SPARE WIRES SHALL BE TAPED AND COILED.
- 12. COORDINATE ALL DEVICES AND WIRING WITH EQUIPMENT NAMEPLATE DATA. VERIFY THE ELECTRICAL LOADS, MOUNTING HEIGHTS AND NEMA CONFIGURATIONS WITH THE PLUMBING AND OTHER CONTRACTORS AND SUPPLIERS PRIOR TO ROUGH-IN.
- 13. PROVIDE FINAL CONNECTION, WIRING, HOOK-UP, ETC. FOR ALL EQUIPMENT AND CONTROLS REQUIRING ELECTRICAL POWER
- 14. FURNISH AND INSTALL ALL WIRE, WIREWAY, CONDUIT, CONNECTORS, OUTLETS, ETC, NECESSARY TO ACHIEVE A COMPLETE AND WORKING INSTALLATION.
- 15. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE OR STRING.
- 16. ALL ELECTRICAL DEVICES IN PUBLIC AREAS SHALL BE MOUNTED PER A.D.A. REQUIREMENTS.
- 17. ALL EXTERIOR MOUNTED ELECTRICAL DEVICES AND EQUIPMENT SHALL BE IN WEATHERPROOF ENCLOSURE AND U.L. LISTED FOR WET LOCATION AND/OR UL/NEMA 3R LISTED U.N.O.
- 18. CONTRACTOR SHALL REFER TO ARCHITECTS DETAILS AND ELEVATIONS FOR COORDINATION OF LOCATION OF ALL WIRING DEVICES BEFORE ROUGH-IN OF J-BOXES.
- 19. NO "PIGGYBACK" BREAKERS SHALL BE ALLOWED.
- 20. ALL SINGLE-PHASE CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR.
- 21. ALL FEEDERS SHALL HAVE A SEPARATE COPPER GROUNDING CONDUCTOR INSTALLED. IN NO CASE SHALL THE CONDUIT OR RACEWAY BE USED AS THE GROUNDING CONDUCTOR.
- 22. ALL ELECTRICAL LIGHTING WIRE SHALL NOT BE SMALLER THAN #12A.W.G. TIN-PLATED COPPER WIRE.
- 23. ALUMINUM CONDUCTORS SHALL NOT BE PERMITTED.
- 24. NON-METALLIC CABLE IS NOT PERMITTED.
- 25. COLOR AND MATERIAL FOR ALL SWITCHES, AND COVER PLATES SHALL BE SELECTED BY ARCHITECT.
- 26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING ALL CONDUITS NOT SHOWN ON THE PLANS. THIS SHALL INCLUDE ALL CONDUITS SHOWN ON THE ONE-LINES AND HOMERUNS SHOWN ON THE PLAN DRAWINGS. CONDUITS SHALL BE ROUTED AS INDICATED ON THE DRAWINGS AND DEFINED IN THE SPECIFICATIONS.
- 27. IN AREAS WHERE OVERHEAD BRIDGE CRANES OPERATE CONDUIT SHALL BE ROUTED TO AVOID INTERFERENCE. IN AREAS WHERE GENERAL MAINTENANCE ACTIVITY OCCURS, CONDUIT SHALL BE ROUTED TO AVOID OR MINIMIZE THE POTENTIAL
- 28. INSTALL ANY / ALL CORD SETS SUPPLIED WITH THE EQUIPMENT.
- 29. MOUNT DISCONNECT SWITCHES AND COMBINATION STARTERS AT 65" AFF. TO TOP OF ENCLOSURE UNLESS OTHERWISE
- 30. IF EQUIPMENT SUPPLIED BY MANUFACTURER HAS A LARGER LOAD THAN VALUE SHOWN, THE CABLE CONDUIT AND ELECTRICAL EQUIPMENT SHALL BE ENLARGED, AS REQUIRED, TO ACCOMMODATE THE HIGHER VALUE

GENERAL CONSTRUCTION NOTES

- 1. ALL ELECTRICAL WORK SHALL CONFORM WITH LOCAL AND STATE ELECTRICAL CODES, O.S.H.A., AND THE LATEST NATIONAL ELECTRICAL CODE AND ELECTRICAL SPECIFICATIONS.
- 2. ALL ELECTRICAL LIGHT AND POWER WIRE SHALL NOT BE SMALLER THAN #12 A.W.G. COPPER. ALUMINUM CONDUCTORS SHALL NOT BE PERMITTED. ALL SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUCTORS SHALL HAVE TYPE THWN/THHN (90 DEGREE) INSULATION. LIGHTING FIXTURE WIRE INSULATION SHALL HAVE A TEMPERATURE RATING NOT LESS THAN THE INDIVIDUAL LIGHTING FIXTURE'S MANUFACTURER RECOMMENDED RATING. NON-METALLIC CABLE IS NOT PERMITTED.
- 3. E.C. SHALL FURNISH AND INSTALL, FOR WORK DESIGNATED AS HIS RESPONSIBILITY, ALL WIRE, WIREWAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED BY E.C. AS THOUGH FULLY SHOWN AND SPECIFIED.
- 4. THE TERM "E.C." IN THESE NOTES REFERS TO THE ELECTRICAL SUBCONTRACTOR.
- 5. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE MECHANICAL CONTRACTOR.
- 6. ELECTRICAL CONNECTION TO ALL EQUIPMENT SUPPLIED BY OTHERS SHALL BE THE RESPONSIBILITY OF THE E.C. UNLESS OTHERWISE NOTED.
- 7. COORDINATE WIRING OF THERMOSTATS WITH THE MECHANICAL SUBCONTRACTOR.

ABBREVIATIONS

- ABOVE COUNTER ABOVE FINISHED FLOOR ABOVE FINISHED GRADE DISP DISPOSAL DWG DRAWING ELECTRICAL CONTRACTOR
- EXIST EXISTING FACP FIRE ALARM CONTROL PANEL
- GENERAL CONTRACTOR GROUND FAULT CIRCUIT INTERRUPTER GFCI
- GROUND FAULT INTERRUPTER
- GND GROUND KILOVOLT KVA
- KW KILOWATT MDP MAIN DISTRIBUTION PANEL
- MAIN LUGS ONLY
- N.E.C. NATIONAL ELECTRICAL CODE NTS NOT TO SCALE
- PANELBOARD SERVICE ENTRANCE LISTED LABELED
- TYPICAL
- U.N.O. UNLESS NOTED OTHERWISE WEATHERPROOF

ELECTRICAL LEGEND

- YARD LIGHT / ENTRANCE LIGHT
- TWIN-PARKING AREA LIGHT

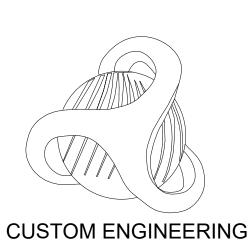


STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

MISSOURI STATE HIGHWAY **PATROL**

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 6009

FACILITY # 8136009002 & 8136009003

REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE:

CAD DWG FILE: DRAWN BY: CHECKED BY: CKE DESIGNED BY: HAK

SHEET TITLE:

ELECTRICAL LEGEND & **GENERAL NOTES**

SHEET NUMBER:



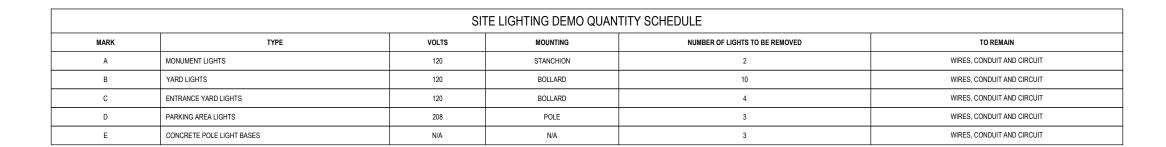
A DEMO - MONUMENT LIGHT

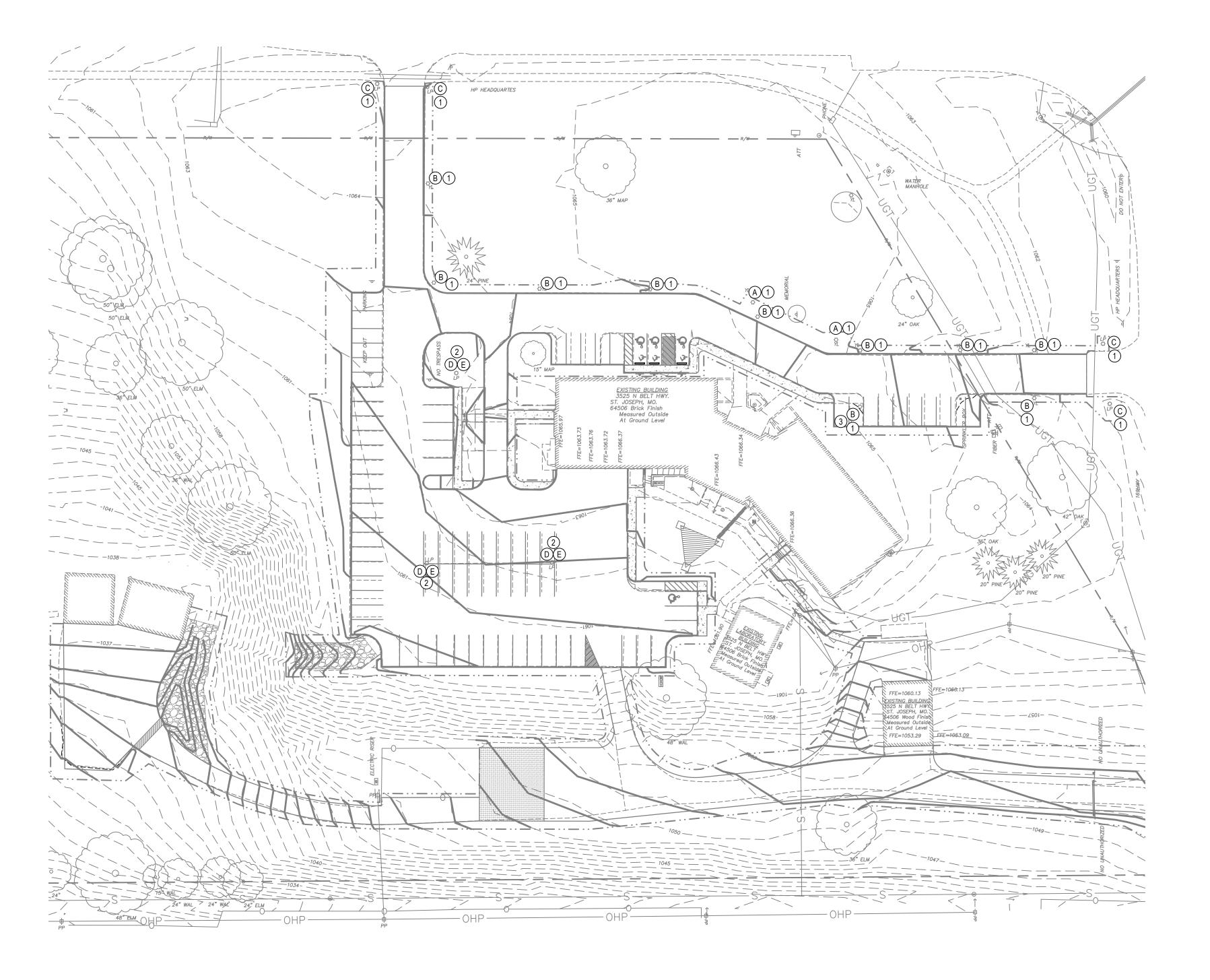


B DEMO - YARD LIGHT



C DEMO - ENTRANCE LIGHT







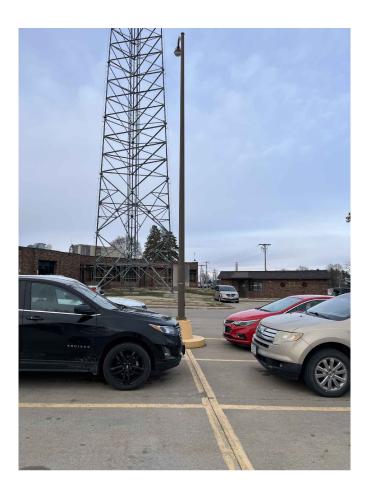
ELECTRICAL DEMO SITE PLAN
SCALE: 1:40

GENERAL DEMOLITION NOTES

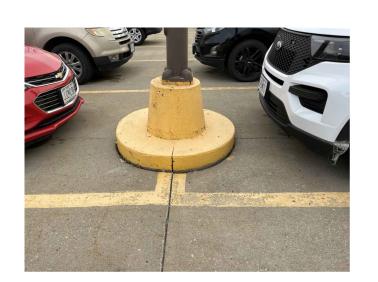
- . REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LEGENDS, AND ABBREVIATIONS.
- ALL LIGHT EXTERIOR LIGHT SHOWN ON THIS PLAN SHEET TO BE REMOVED AND SAFELY RETURN TO THE OWNER.
 REFER TO DEMOLITION QUANTITIES SCHEDULE ON THIS SHEET.

KEY NOTES

- 1) REMOVE ONLY LIGHT FIXTURE. EXISTING WIRES AND CIRCUITING TO REMAIN FOR REUSE.
- 2 REMOVE PARKING AREA LIGHT FIXTURE AND POLE POLE BASE. EXISTING WIRES, CONDUITS AND CIRCUITING TO REMAIN FOR REUSE.
- 3 REMOVE EXISTING YARD LIGHT FIXTURE, YARD LIGHT POLE AND YARD LIGHT POLE BASE. RELOCATED ELECTRICAL JUNCTION BOX TO NEW LOCATION. COORDINATE NEW LOCATION WITH GENERAL CONTRACTOR.



DEMO - PARKING AREA LIGHT



E DEMO - PARKING AREA LIGHT POLE BASE

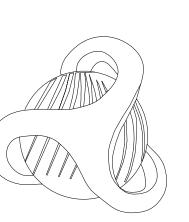
STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 &

8136009003

DATE: REVISION: DATE: REVISION:

DATE: ISSUE DATE:

REVISION:

CAD DWG FILE:
DRAWN BY: MCC
CHECKED BY: CKB
DESIGNED BY: HAK

SHEET TITLE:

ELECTRICAL DEMO PLAN

SHEET NUMBER:

E-100

SITE LIGHTING SCHEDULE												
MARK MANUFACTURER* MODEL NO.* TYPE VOLTS AMPS WATTS LUMENS CCT (°K) CRI LAMPS MOUNTING								REMARKS				
А	LSI	XFLM-VF-LED-28-HO-NW-UNV-BRZ-PCI120	ARCHITECTURAL FLOOD (XFLM)	120		36	3155	4000k	80	LED	STANCHION	
В	LSI	XBVRD-ID-LED-24-400-NW-UE-BRZ-PCI120-45	ARCHITECTURAL BOLLARD (XBVR)	120		38	1224	4000k	70	LED	BOLLARD	
С	WAVE LIGHTING	C8025T- F- L40-C-BZ	ENTRANCE LIGHTING	120		40	4000	4000K	90	LED	POLE POST (7 FT)	
D	COOPER LIGHTING SOLUTIONS	GALN-SA4C-940-2-T4FT-HSS-PA-BZ-PR	AREA LIGHTING	208		213	27751	4000K	90	LED	20 FT POLE + 3 FT BASE)	
OR EQUAL		1		ı								



ELECTRICAL SITE PLAN
SCALE: 1:40

GENERAL NOTES

- 1. REFER TO E-000 FOR GENERAL ELECTRICAL SYMBOLS, LEGENDS AND ABBREVIATIONS.
- . REFER TO FIXTURE SCHEDULE ON THIS SHEET.
 . REFER TO E-300 FOR ELECTRICAL DETAILS.
- 4. ALL EXISTING WIRING, CONDUITS, AND LOCATIONS TO BE RE-USED. GENERAL CONTRACTOR TO FIELD VERIFY THE CIRCUITS

AND CONNECTION FOR CODE COMPLIANCE.

KEY NOTES

1 NEW LIGHT FIXTURE TYPE F IN NEW LOCATION. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT LOCATION OF NEW FIXTURE INSTALLATION BASE.

2 RECONNECT TO EXISTING CIRCUIT.

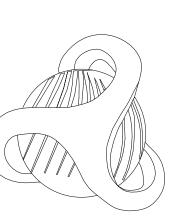
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ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 SITE # 6009 FACILITY # 8136009002 & 8136009003

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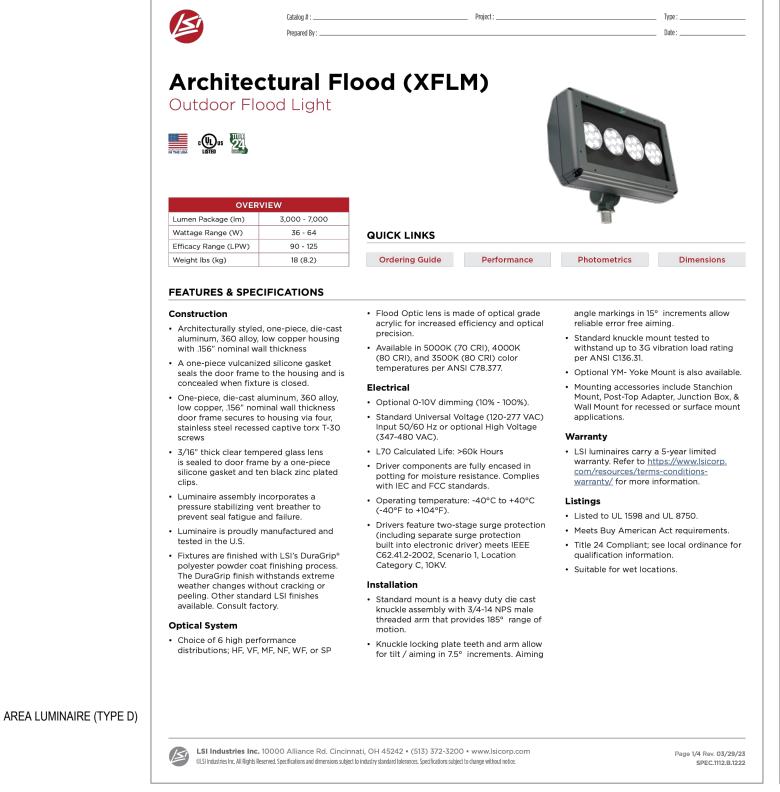
SHEET TITLE:

ELECTRICAL SITE PLAN

SHEET NUMBER:

E-200

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY
1	MONUMENT LIGHTS	EA	2
3	YARD LIGHTS	EA	10
4	ENTRANCE LIGHTS	EA	4
5	PARKING AREA LIGHTS WITH DOUBLE HEAD FIXTURE	EA	3
6	CONCRETE BASE FOUNDATION	EA	3
7	1C #10 POLE AND BRACKET CABLE	LF	45
8	3-1C #6 DISTRIBUTION CABLE	LF	800
9	2" SCHEDULE 40 PVC CONDUIT FOR POWER	LF	10
11	PHOTOCELL ON - TIME -CLOCK OFF	EA	3
15	WIRE CONNECT - MISCELLANEOUS	LF	50



NEW - MONUMENT LIGHT





NEW - PARKING AREA LIGHT



E NEW - ENTRANCE LIGHT POLE POST

POSTS & ACCESSORIES

3" ROUND DIRECT BURIAL RESIDENTIAL POSTS

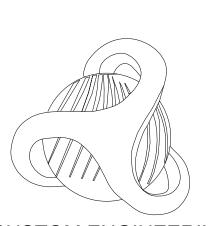
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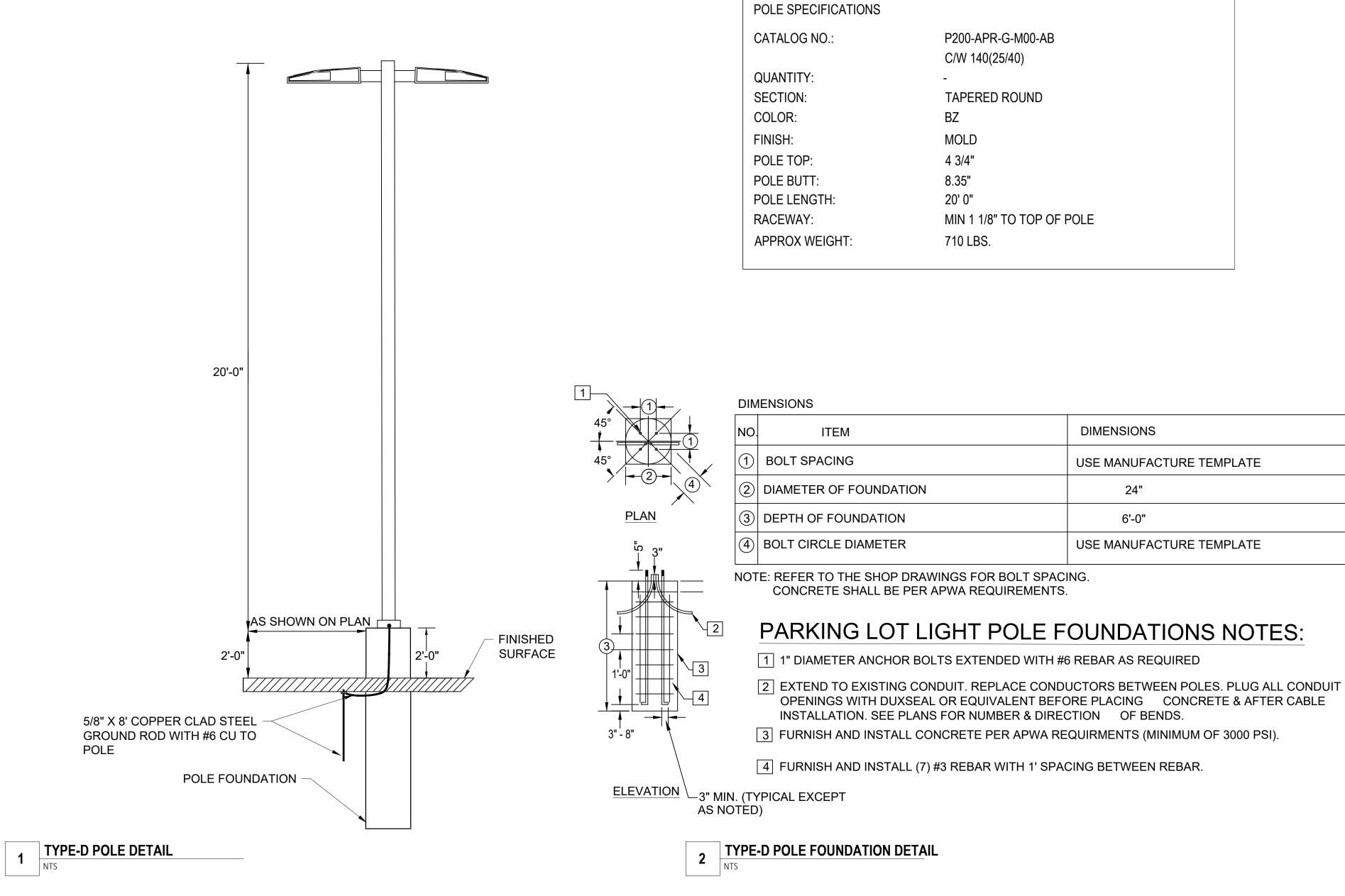
CAD DWG FILE:
DRAWN BY: MCC
CHECKED BY: CKB
DESIGNED BY: HAK

SHEET TITLE:

ELECTRICAL DETAILS

SHEET NUMBER:

E-300



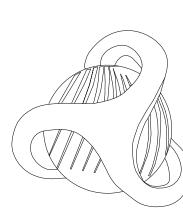
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CAD DWG FILE:
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CHECKED BY: CKB
DESIGNED BY: HAK

SHEET TITLE:

SUPPLEMENTAL POLE DETAILS

SHEET NUMBER:

E-30

GENERAL NOTES

I. DESIGN CRITERIA

A. GENERAL BUILDING CODE

THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIRE-MENTS OF THE INTERNATIONAL EXISTING BUILDING CODE 2018. DOCUMENTS ARE BASED UPON REPAIRS OF THE EXISTING STRUC-

II. SELECTIVE DEMOLITION

- RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUC-TURE DURING DECONSTRUCTION / DEMOLITION
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING DEMOLITION TO MAINTAIN THE STA-BILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE DEMOLITION PROCESS. CONTRACTOR SHALL ENGAGE A PROFES-SIONAL ENGINEER TO SURVEY CONDITION OF BUILDING TO DETER-MINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY POR-TION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELEC-TIVE DEMOLITION OPERATIONS.

B. DEFINITIONS

- REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LE-GALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE RE-MOVED AND SALVAGED OR REMOVED AND REINSTALLED.
- REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CON-STRUCTION AND DELIVER THEM TO OWNER READY FOR REUSE. OWNER TO IDENTIFY ITEMS TO BE REUSED OR SALVAGED.
- EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDI-CATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.

MATERIAL OWNERSHIP

EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SAL-VAGED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPER-TY, DEMOLISHED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM PROJECT SITE. THE MA-TERIALS REMOVED SHALL BE DISPOSED OF IN A PROPER AND LE-GAL MANNER PER FEDERAL/STATE OR LOCAL ORDINANCES.

QUALITY ASSURANCE

- DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT
- PROFESSIONAL QUALIFICATIONS OF ENGINEER ENGAGED BY CON-TRACTOR: CURRENT REGISTRATION IN THE STATE WHERE THE PROJECT IS LOCATED.
- REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING OWNER, LOCAL, STATE, FEDERAL, AND EPA NOTIFICATIONS AND REGULA-TIONS BEFORE BEGINNING SELECTIVE DECONSTRUCTION / DEMO-LITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF **AUTHORITIES HAVING JURISDICTION**
- PHOTO DOCUMENTATION OF EXISTING CONDITIONS OF THE BUILD-ING AND ADJOINING PROPERTIES SHALL BE PERFORMED BY CON-TRACTOR PRIOR TO DEMOLITION. PHOTOS SHALL BE SUBMITTED TO OWNER AND ENGINEER OF RECORD.
- PRE-DEMOLITION CONFERENCE: CONDUCT CONFERENCE AT PRO-JECT SITE TO ADDRESS THE FOLLOWING:
 - A. INSPECT AND DISCUSS CONDITION OF CONSTRUCTION TO BE SELECTIVELY DEMOLISHED.
 - REVIEW STRUCTURAL LOAD LIMITATIONS OF EXISTING STRUCTURE AS APPROPRIATE FOR THE PROPOSED MEANS AND METHODS.
 - REVIEW AND FINALIZE SELECTIVE DEMOLITION SCHEDULE AND VERIFY AVAILABILITY OF MATERIALS, DEMOLITION PER-SONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.

E. PROJECT CONDITIONS

- CONDUCT SELECTIVE DEMOLITION SO OWNER'S OPERATIONS WILL NOT BE DISRUPTED. PROVIDE NOT LESS THAN 72-HOUR NOTICE TO OWNER OF ACTIVITIES THAT WILL AFFECT OWNER'S OPERATIONS.
- MAINTAIN ACCESS TO EXISTING WALKWAYS, CORRIDORS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT WALKWAYS, CORRIDORS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN PERMISSION FROM AUTHORI-TIES HAVING JURISDICTION.
- OWNER ASSUMES NO RESPONSIBILITY FOR CONDITION OF AREAS TO BE SELECTIVELY DEMOLISHED.
 - CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRAC-TICAL
 - BEFORE SELECTIVE DEMOLITION, OWNER WILL REMOVE ITEMS WITHIN SPACE AS NEEDED.
- IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERI-ALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ENGINEER AND OWNER. THESE MATERIALS SHALL BE REMOVED AS DISPOSED AS APPROVED BY GOVERNING AGENCY.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.
- UTILITY SERVICE: MAINTAIN EXISTING UTILITIES INDICATED TO RE-MAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLI-TION OPERATIONS.

- PROTECT ADJACENT PAVING (ASPHALT OR CEMENT ROADWAYS, SEWERS, ETC.), AND DRAINAGE DITCHES AS NEEDED.
- ALL AREAS OUTSIDE OF DEMOLITION SCOPE ARE TO BE PROTECT. ED FROM DAMAGE BY CONTRACTOR. RESTORE AREAS SUBJECT TO INCIDENTAL DAMAGE TO THEIR PRE-DEMOLITION CONDITION.

F. UTILITY SERVICES

REFER TO DIVISION 01 SECTIONS REGARDING REQUIREMENTS FOR MAINTAINING EXISTING UTILITIES IN SERVICE AND FOR INTERRUP-TIONS OF EXISTING UTILITIES.

G. PREPARATION

- DANGEROUS MATERIALS: DRAIN, PURGE, OR OTHERWISE REMOVE COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, AC-IDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION OPERATIONS.
- A. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES AND LANDSCAPING TO REMAIN.
- CONTRACTOR TO MAINTAIN ACCESS TO EXITS AND EXIT STAIRS AT ALL TIMES. FIRE ALARMS AND SMOKE DETECTION SYSTEM SHALL REMAIN OPERATIONAL AT ALL TIMES. PROTECT SMOKE DETEC-TORS AS REQUIRED AND IN CONFORMANCE TO LOCAL CODES AND LOCAL AUTHORITIES
- TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO RE-
 - A. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEO-PLE AROUND SELECTIVE DEMOLITION AREA AND TO AND FROM OCCUPIED PORTIONS OF ADJACENT FACILITIES.
- CONTRACTOR TO PROVIDE ALL NECESSARY TRAFFIC CONTROL
- AND PEDESTRIAN CONTROL MEASURES AS REQUIRED. CONTRACTOR TO COORDINATE WITH OWNER IF ANY REMOVAL OF
- LANDSCAPE IS REQUIRED
- TEMPORARY PARTITIONS: ERECT AND MAINTAIN DUSTPROOF PAR-TITIONS AND TEMPORARY ENCLOSURES TO LIMIT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS FROM FUMES AND NOISE.
- TEMPORARY SHORING: PROVIDE AND MAINTAIN INTERIOR AND EX-TERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRE-SERVE STABILITY AND TO PREVENT UNEXPECTED OR UNCON-TROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DE-MOLISHED. STRENGTHEN OR ADD TEMPORARY SUPPORTS WHEN REQUIRED DURING PROGRESS OF SELECTIVE DEMOLITION.

H. POLLUTION CONTROLS

REFER TO DIVISION 01 SPECIFICATION SECTIONS FOR REQUIRE-MENTS ON DUST CONTROL, DISPOSAL, AND CLEANING OF DEMOL-ISHED MATERIAL

EXECUTION OF SELECTIVE DEMOLITION

- GENERAL: DEMOLISH EXISTING CONSTRUCTION AS INDICATED USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMI-TATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
- A. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CON-STRUCTION TO REMAIN OR ADJOINING CONSTRUCTION.
- DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPAC-ES VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BE-FORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN FIRE WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
- MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
- REMOVE DECAYED. VERMIN-INFESTED. OR OTHERWISE DAN-GEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DIS-POSE OF OFF-SITE.
- E. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, SLABS, OR FRAMING.
- F. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.
- EXISTING FACILITIES: COMPLY WITH OWNER'S REQUIREMENTS FOR USING AND PROTECTING OTHER BUILDING FACILITIES DURING SELECTIVE DEMOLITION OPERATIONS.
- REMOVED AND SALVAGED ITEMS: COMPLY WITH THE FOLLOWING:
- CLEAN SALVAGED ITEMS.
- STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWN-
- TRANSPORT ITEMS TO OWNER'S STORAGE AREA AS DESIG-NATED BY OWNER.
- EXISTING ITEMS TO REMAIN: CONTRACTOR TO COORDINATE WITH OWNER (PRIOR TO BEGINNING WORK) ON ITEMS THAT ARE TO RE-MAIN AND HENCE BE PROTECTED DURING THE DEMOLITION PRO-CESS. WHEN PERMITTED BY OWNER, ITEMS MAY BE REMOVED TO A SUITABLE AND/OR PROTECTED LOCATION.

DISPOSAL OF DEMOLISHED MATERIALS

- GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. BURNING: DO NOT BURN DEMOLISHED MATERIALS.
- DISPOSAL: TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S
- PROPERTY AND LEGALLY DISPOSE OF THEM.

III. MASONRY

A. SCOPE

REFER TO REPAIR DRAWINGS FOR DETAILS AND LOCATION OF MA-SONRY REPLACEMENT.

CLAY MASONRY UNITS.

- FACE BRICK: ASTM C216, GRADE SW, TYPE FBS (NORMAL SIZE AND COLOR VARIATIONS).
- TEXTURE AND COLOR: PROVIDE BRICK SIMILAR IN COLOR, TEX-TURE, AND PHYSICAL PROPERTIES TO MATCH EXISTING.

MORTAR

USE ONLY PORTLAND CEMENT/LIME, TYPE N, MORTAR CONFORM-ING TO ASTM C270, PROPORTION SPECIFICATION

IV. SUBMITTALS

A. SUBMITTAL LIST AND SCHEDULE

- THE CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHED ULE OF ALL SUBMITTAL ITEMS TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED AND REVISED AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW:
- SHOP DRAWINGS
- DESIGN CALCULATIONS
- PRODUCT TECHNICAL DATA PRODUCT MSDS/SDS
- CERTIFICATES, REPORTS, AND OTHER LITERATURE

SUBMITTALS TO BE PROVIDED TO STRUCTURAL ENGINEER

- PRODUCT SUBMITTALS: IN ADDITION TO THE SUBMITTALS RE-QUIRED BY THE PROJECT SPECIFICATIONS, THE FOLLOWING SUB-MITTALS SHALL BE PROVIDED:
 - COATING FOR STRUCTURAL STEEL.
 - MASONRY, MORTAR, AND POINTING MORTAR.
 - BRICK WATER REPELLENT.

SUBMITTAL REQUIREMENTS:

- ALL SHOP DRAWINGS MUST BE REVIEWED AND ELECTRONI-
- CALLY STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL CONTRACTOR SHALL PROVIDE THE SUBMITTAL IN ELECTRON IC PORTABLE DOCUMENT FORMAT (PDF) PER THE SPECIFICA-
- THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERI-ALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE FUR-NISHED SHALL NOT RELIEVE THE CONTRACTOR OF THE RE-SPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATE-RIALS. REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

REPRODUCTION

THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREP-ARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

V. MISCELLANEOUS

CONTRACT DOCUMENTS

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRI-CATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE
- CONTRACTOR SHALL FULLY AND PROPERLY IMPLEMENT THE ENGI-NEERING CONTROLS, WORK PRACTICES, AND RESPIRATORY PRO-TECTION AGAINST TOXIC AND HAZARDOUS SUBSTANCES INCLUD-ING RESPIRABLE CRYSTALLINE SILICA ACCORDING TO OCCUPA-TIONAL SAFETY AND HEALTH ADMINISTRATION, OSHA 1926.1153. WALTER P MOORE DOES NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, NOR SHALL WALTER P MOORE BE RESPONSIBLE FOR THE CON-TRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE REPAIRED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DI-RECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.
- REFER TO DRAWINGS OF EXISTING FACILITY (OTHER THAN REPAIR DRAWINGS) FOR COMPLETE INFORMATION INCLUDING: EXPAN-SION JOINT SYSTEMS, PREVIOUS REPAIRS PERFORMED IN THE FA-CILITY, PRESENCE OF POST-TENSIONING, LOCATION AND SIZE OF STRUCTURAL MEMBERS (BEAMS, COLUMNS, WALLS, ETC.), SLAB THICKNESS. AND OTHER INFORMATION RELEVANT TO THE PRO-
- IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THEIR CONSTRUC-TION SHALL BE OF THE SAME CHARACTER AS SHOWN OR SPECI-FIED IN SIMILAR CONDITIONS.

B. CONFLICTS IN STRUCTURAL REQUIREMENTS

WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE RE-PAIR CONTRACT DOCUMENTS, REPAIR DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.

C. EXISTING CONDITIONS

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDI-TIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS. EXISTING DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE USED FOR FINAL CONSTRUCTION OR DETAILING.
- EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OB-TAINED FROM EXISTING CONSTRUCTION DOCUMENTS AND LIMITED SITE OBSERVATION. THESE DRAWINGS OF EXISTING CONSTRUC-TION ARE AVAILABLE FOR CONTRACTOR USE AND SHALL BE REF-ERENCED FOR FAMILIARIZATION WITH EXISTING CONDITIONS. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUC-TION ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR IS RE-SPONSIBLE FOR BEING KNOWLEDGEABLE ON INFORMATION PRE-SENTED IN AVAILABLE DRAWINGS AND SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
- DEMOLITION, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE SO AS NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING. IF ANY ARCHITECTURAL, STRUCTURAL, OR MEP MEMBERS NOT DESIG-NATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE OWNER SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL OB-TAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
- THE CONTRACTOR SHALL PERFORM A SURVEY TO LOCATE ALL EX-ISTING UTILITIES (INCLUDING UNDERGROUND UTILITIES) PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT UTIL-ITIES THAT ARE TO REMAIN IN SERVICE. EXISTING CIVIL, MECHANI-CAL, ELECTRICAL, PLUMBING, AND EMERGENCY PROTECTION SYS-TEM SERVICING ANY AREAS OUTSIDE THE WORK AREA ARE TO BE MAINTAINED IN OPERABLE CONDITION THROUGHOUT THE DURA-TION OF WORK. CONTRACTOR SHALL MAKE NECESSARY TEMPO-RARY CONNECTIONS TO MAINTAIN EXISTING UTILITIES IN SERVICE DURING THE WORK. TEMPORARY, LOCALIZED INTERRUPTION OF THESE SYSTEMS SHALL REQUIRE APPROVAL BY THE OWNER.
- THE CONTRACTOR SHALL PROVIDE DUST, ODOR, AND NOISE PRO-TECTION, AND SAFETY MEASURES AS NECESSARY FOR THE DURA-TION OF REPAIRS. PROVIDE ALL MEASURES NECESSARY TO PRO-TECT THE EXISTING STRUCTURE, BUILDING INTERIOR, VEHICLES, FACILITY PATRONS, AND OTHER PERSONS DURING CONSTRUC-TION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO TEMPORARY BRACING, SHORING, FORMWORK, PROTECTIVE EN-CLOSURES, AND TRAFFIC CONTROLS.
- 6. THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION CONDI-TION SURVEY TO DOCUMENT SITE CONDITIONS PRIOR TO START OF WORK. SUBMIT SURVEY TO OWNER AND THE ENGINEER. DOC-UMENT LOCATION AND CONDITION OF ANY CONSTRUCTION DESIG-NATED FOR REMOVAL AND RE-INSTALLATION.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE OWNER.
- D. RESPONSIBILITY OF THE CONTRACTOR FOR CONSTRUCTION LOADS
 - THE REPAIRS HAVE BEEN DESIGNED FOR THE LOADS IDENTIFIED WITHIN THESE DRAWINGS THAT ARE ANTICIPATED TO BE APPLIED TO THE STRUCTURE WORK IS COMPLETED. THE CONTRACTOR SHALL NOT OVERLOAD THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ADEQUACY OF THE STRUCTURE TO SUPPORT ANY APPLIED CON-STRUCTION LOADS, INCLUDING THOSE DUE TO CONSTRUCTION VEHICLES OR EQUIPMENT, MATERIAL HANDLING OR STORAGE, SHORING OR RESHORING, OR ANY OTHER CONSTRUCTION ACTIVI-TY. THE CONTRACTOR SHALL SUBMIT CALCULATIONS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED VERIFYING THE ADEQUACY OF THE STRUC-TURE FOR ANY PROPOSED CONSTRUCTION LOADS THAT ARE IN EXCESS OF THE DESIGN LOADS STATED IN THE RECORD DRAW-INGS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE TO DE-SIGN OR CHECK THE STRUCTURE FOR LOADS APPLIED TO THE STRUCTURE FOR ANY CONSTRUCTION ACTIVITY.

E. CONTRACTOR SUBSTITUTIONS

- ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED FOR APPROVAL ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:
 - A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUB-MITTED WITH THE REQUEST. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE
 - INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC REPORT IS SUBMITTED WITH THE REQUEST. 1) THE ICC ESR THAT IS SUBMITTED MUST REFERENCE
 - THE BUILDING CODE UNDER WHICH THE PROJECT IS PERMITTED. 2) ICC REPORTS THAT HAVE BEEN DISCONTINUED AT THE

TIME OF PRODUCT INSTALLATION WILL NOT BE ACCEPT-

SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





Walter P. Moore and Associates, Inc. 1100 Walnut, Suite 1825 Kansas City, Missouri 64106

816.701.2100

OFFICE OFADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

MISSOURI STATE HIGHWAY **PATROL**

CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS **BUILDING**

ST. JOSEPH, MISSOURI

PROJECT # R-2338-01 6009 SITE#

FACILITY # 8136009002 &

REVISION: DATE: **REVISION** DATE: **REVISION** DATE:

8136009003

CAD DWG FILE: DRAWN BY: \overline{AZ} CHECKED BY: HW

DESIGNED BY: DF

ISSUE DATE: 03/28/2024

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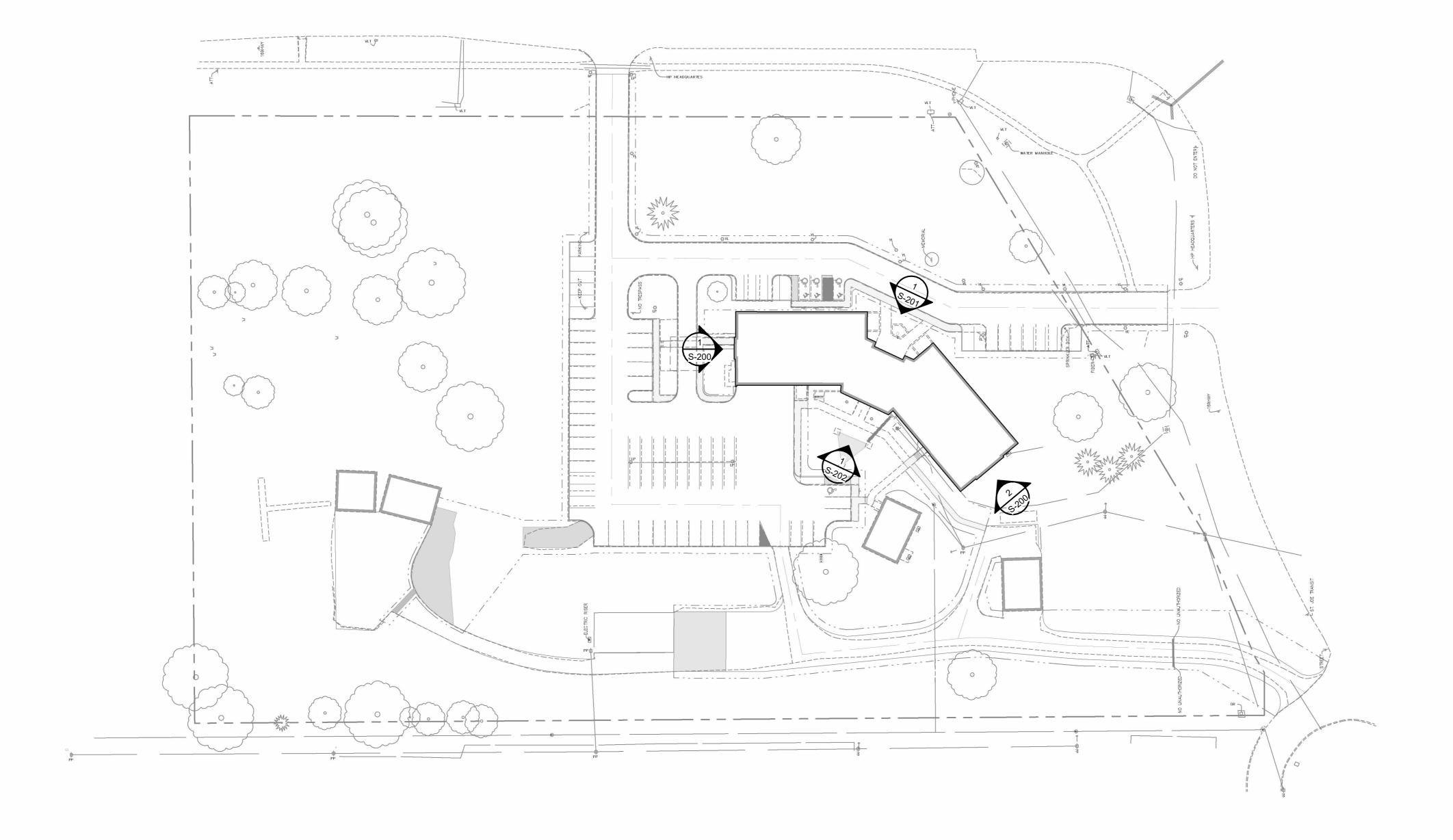
GENERAL NOTES

SHEET NUMBER:

S-001

30 OF 35 SHEETS

03/28/2024









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OFFICE OFADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

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CRIME LAB - EXTERIOR RENOVATIONS TROOP H HEADQUARTERS BUILDING

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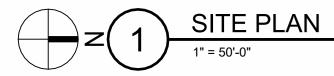
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DESIGNED BY: DF

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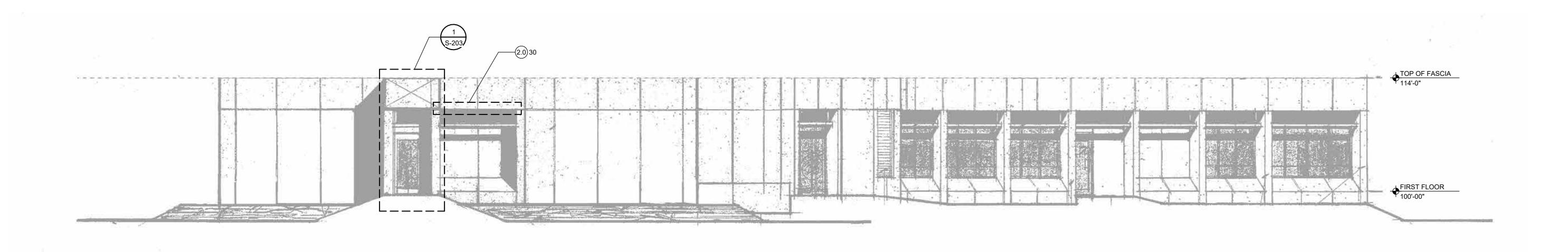
SITE PLAN

SHEET NUMBER:

S-100

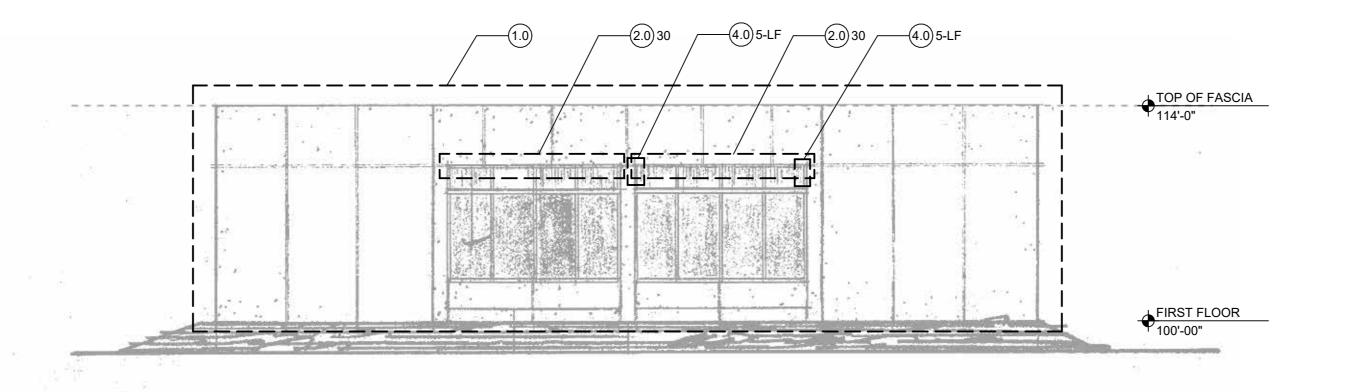


_				
		LEGEND		
	NO.	DESCRIPTION	QUANTITIES	
	1.0	BRICK WATER REPELLENT	200	(Т.I.)S.F.
	2.0	CLEAN AND COAT CORRODED STEEL	502	[/_(I.I.)3.F.
	3.0	BRICK REPOINTING	5	/
	4.0	BRICK REPLACEMENT	60	



SOUTH ELEVATION

NO SCALE



NORTHEAST ELEVATION
NO SCALE

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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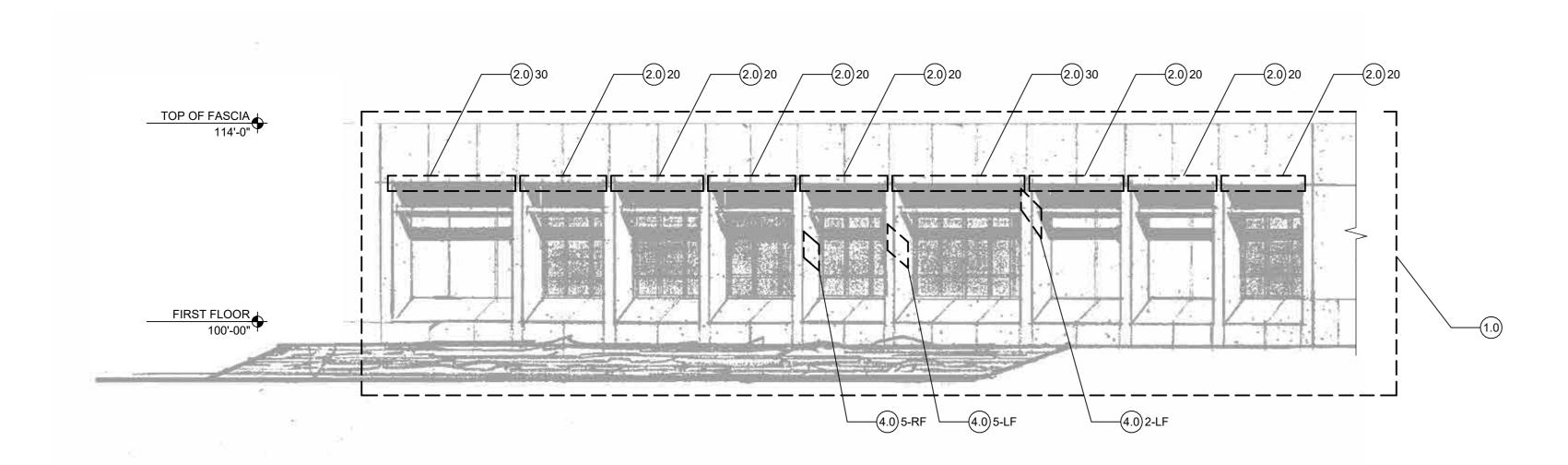
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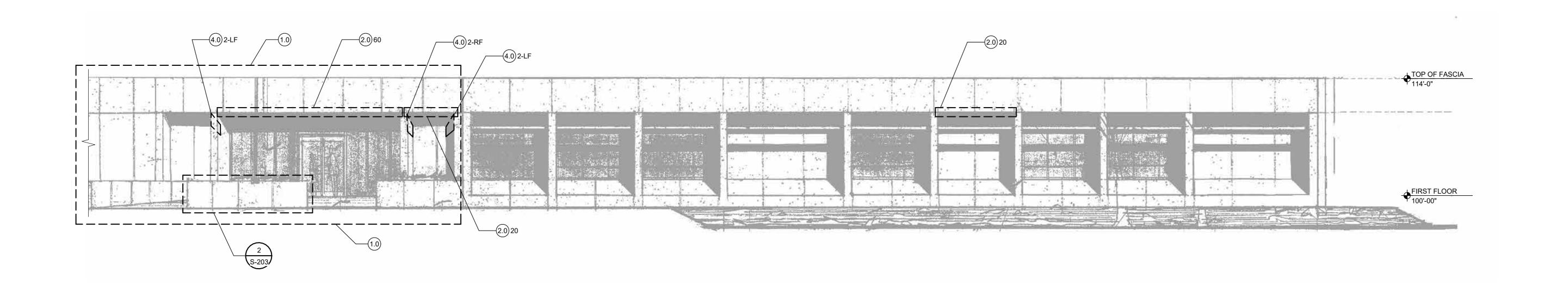
SOUTH AND NORTHEAST ELEVATIONS

SHEET NUMBER:

S-200

	TASK ITEMS (T.I.)						
NO.	DESCRIPTION	QUANTITIES					
1.0	BRICK WATER REPELLENT	200	(T.I.)S.F				
2.0	CLEAN AND COAT CORRODED STEEL	502	[/ [I.I.] S.F				
3.0	BRICK REPOINTING	5] /				
4.0	BRICK REPLACEMENT	60					





(1) WEST ELEVATION
NO SCALE

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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ISSUE DATE:03/28/2024

CAD DWG FILE:
DRAWN BY: AZ
CHECKED BY: HW
DESIGNED BY: DF

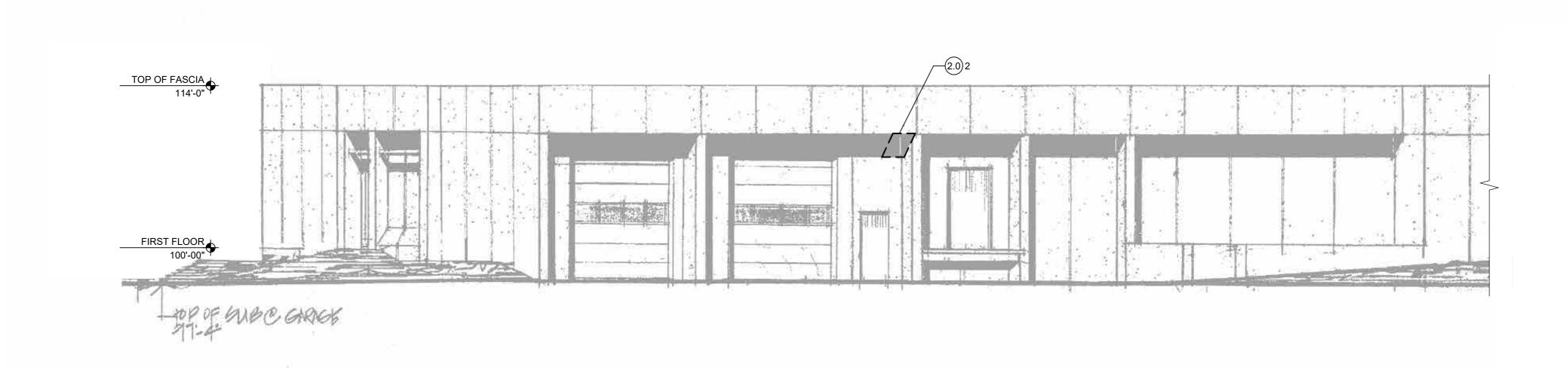
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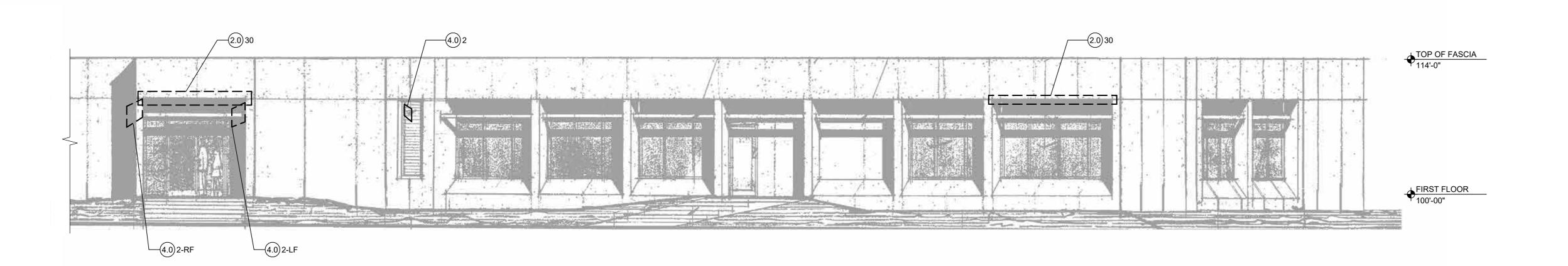
WEST ELEVATION

SHEET NUMBER:

S-201

	TASK ITEMS (T.I.)						
NO.	DESCRIPTION	QUANTITIES					
1.0	BRICK WATER REPELLENT	200	(T.I.)S.F.				
2.0	CLEAN AND COAT CORRODED STEEL	502	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
3.0	BRICK REPOINTING	5] /				
4.0	BRICK REPLACEMENT	60					





1 EAST ELEVATION
NO SCALE

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

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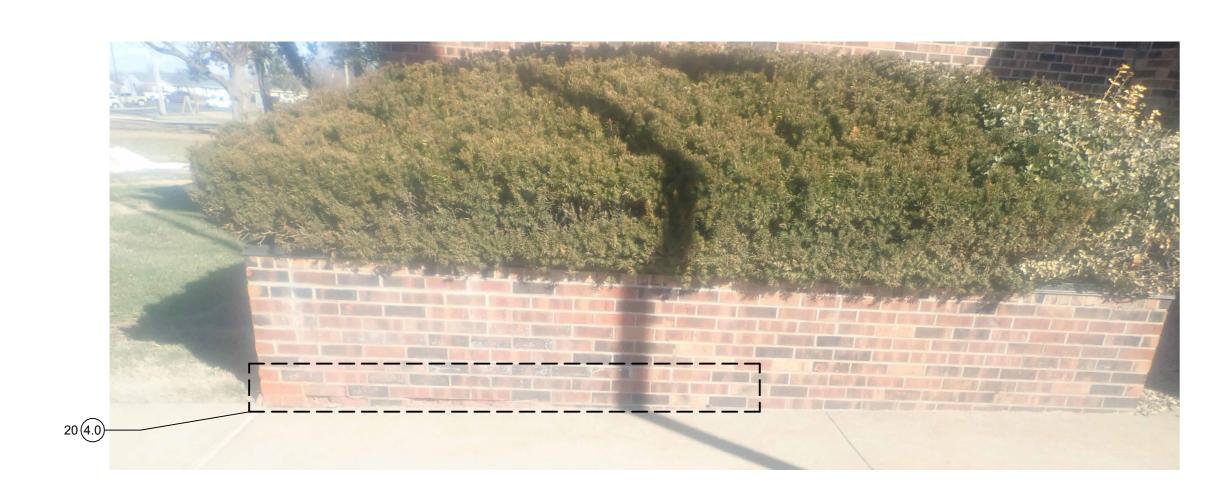
SHEET TITLE:

EAST ELEVATION

SHEET NUMBER:

S-202

		LEGEND		
	NO.	DESCRIPTION	QUANTITIES	
	1.0	BRICK WATER REPELLENT	200	—(Т.I.)S.F.
	2.0	CLEAN AND COAT CORRODED STEEL	502	[/ [I.I.] S.F.
	3.0	BRICK REPOINTING	5] /
Ī	4.0	BRICK REPLACEMENT	60	







NOTES:
1. REMOVE TOP COURSE OF BRICK AT FULL PERIMETER OF COLUMN. CUT THE BRICK IF UNDAMAGED AND REINSTALL LEAVING A 1/2 INCH GAP UNDER THE STEEL.



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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MISSOURI STATE HIGHWAY PATROL

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DATE:

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CAD DWG FILE:

CAD DWG FILE:
DRAWN BY: AZ
CHECKED BY: HW
DESIGNED BY: DF

SHEET TITLE:

PORTE-COCHÈRE AND PLANTER WALL

SHEET NUMBER:

S-203