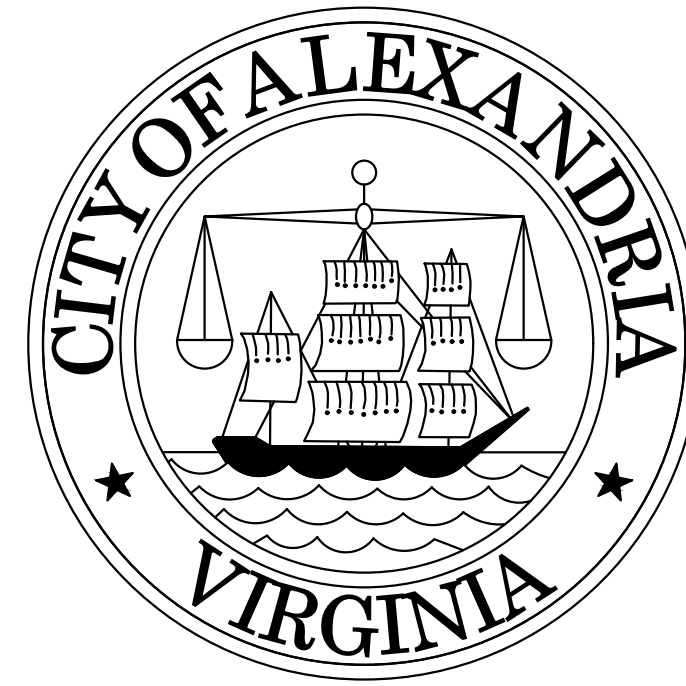
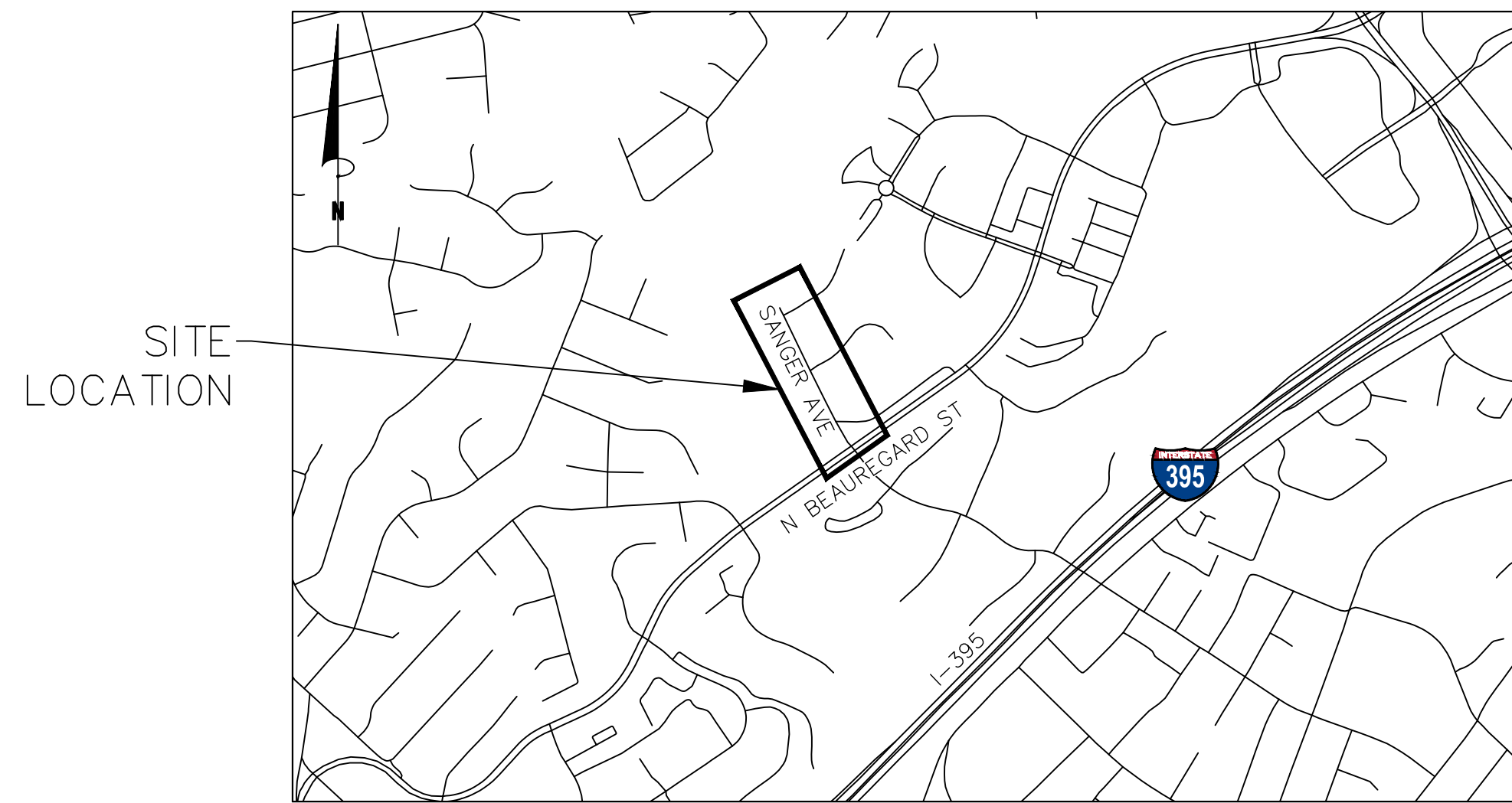


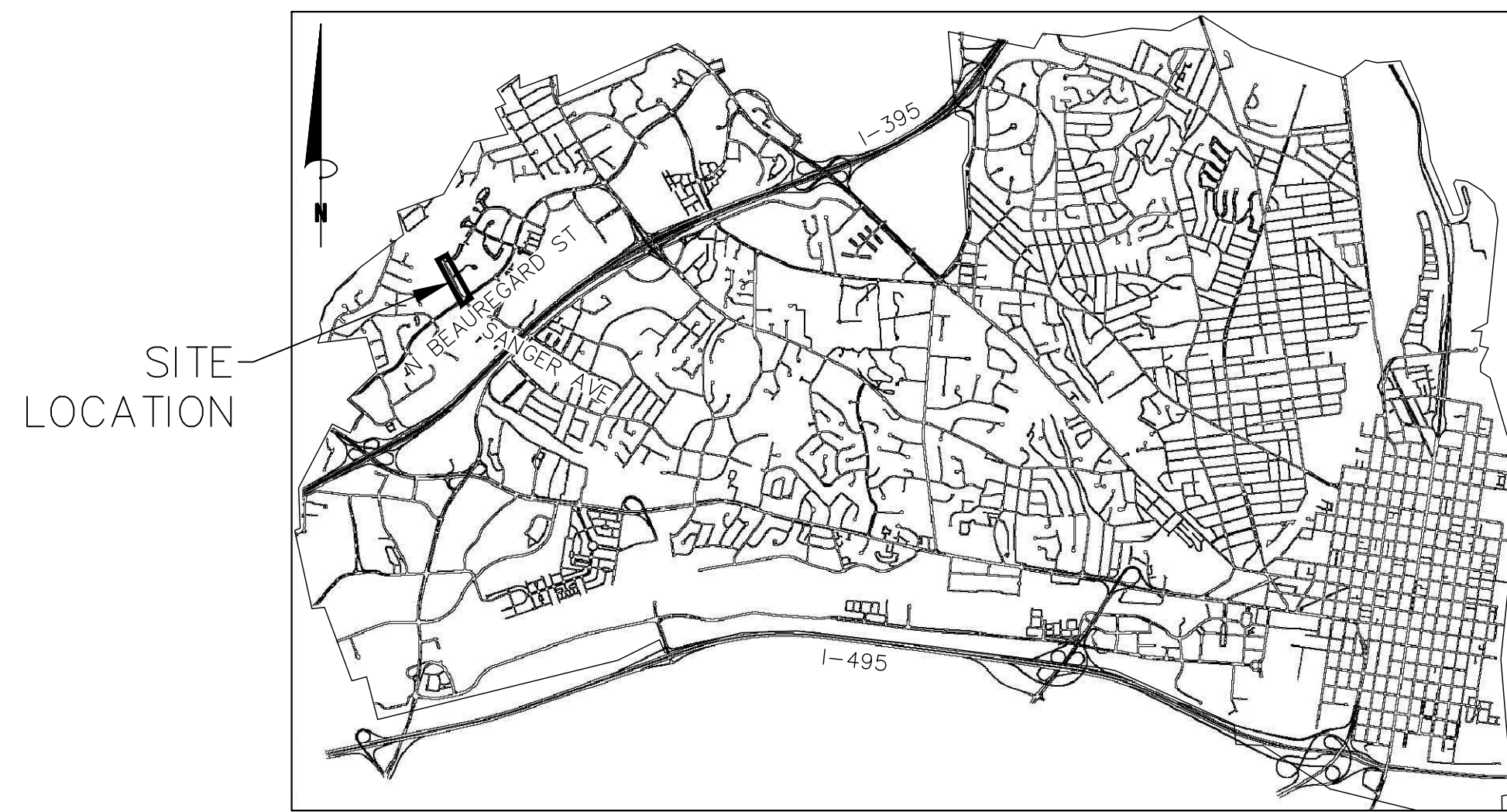
CITY OF ALEXANDRIA, VIRGINIA



WILLIAM RAMSAY SAFE ROUTES TO SCHOOL IMPROVEMENTS 60% SUBMITTAL



AREA MAP
SCALE 1" = 1000'



VICINITY MAP
SCALE 1" = 4000'

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19	SIGN SUMMARY
20	SIGNAL PLAN



NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION

DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES.	
APPROVED	DATE:
X _____	
DIRECTOR	
RECOMMENDED FOR APPROVAL	
X _____	DATE:
DEPUTY DIRECTOR OF OPERATIONS	
RECOMMENDED FOR APPROVAL	
X _____	DATE:
DEPUTY DIRECTOR OF INFRASTRUCTURE & ENVIRONMENTAL QUALITY	
RECOMMENDED FOR APPROVAL	
X _____	DATE:
DEPUTY DIRECTOR OF RIGHT-OF-WAY & DEVELOPMENT SERVICES	
RECOMMENDED FOR APPROVAL	
X _____	DATE:
DEPUTY DIRECTOR OF TRANSPORTATION	
DEPARTMENT OF PROJECT IMPLEMENTATION	
APPROVED	DATE:
X _____	
DIRECTOR	
RECOMMENDED FOR APPROVAL	
X _____	DATE:
DIVISION CHIEF	

REVISIONS	DESCRIPTION
BY	
DATE	

ALEXANDRIA PROJECT NO.: 2662/103
DATE OF PLAN ISSUANCE: 4-24-24
CONSULTANT PROJECT ID: 25760.002
DESIGNED BY: DNS DATE: 4-24-24
DRAWN BY: DNS DATE: 4-24-24
CHECKED BY: ARM DATE: 4-24-24
APPROVED BY: _____ DATE: _____

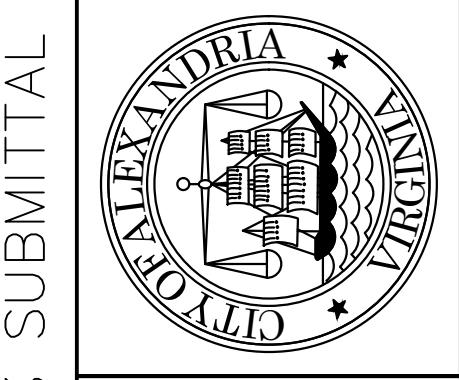
WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

TITLE SHEET

SHEET 1 of 20

SCALE: NONE



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KITTELSON & ASSOCIATES

300 M STREET SE, SUITE 810
WASHINGTON, DC 20003
P 202.450.3710

GENERAL NOTES:

- ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE GOVERNED BY THE ROAD DESIGN MANUAL, AND THE ROAD AND BRIDGE STANDARDS ISSUED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT).
- BASE MAPPING WAS PREPARED FOR GIS DATA PROVIDED BY THE CITY OF ALEXANDRIA. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION. WHEN THESE PLANS ARE IN CONFLICT WITH ACTUAL SITE CONDITIONS, ANY DISCREPANCIES SHALL BE REPORTED TO THE CITY ENGINEER PRIOR TO BEGINNING WORK. PROPOSED PAVEMENT MARKINGS AND SIGNS MAY BE ADJUSTED AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING VIRGINIA 811 PRIOR TO BEGINNING WORK. ANY DAMAGE TO UTILITIES MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND FEATURES OUTSIDE THE LIMITS OF WORK AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE CITY ENGINEER ANY OTHER DAMAGE SO CAUSED.

SIGNING AND PAVEMENT MARKING:

- ALL PAVEMENT MARKINGS AND SIGN WORK SHALL MEET ALL APPLICABLE VDOT, AND CITY OF ALEXANDRIA STANDARDS AND SPECIFICATIONS, AND THE 11TH EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- ALL EXISTING PAVEMENT MARKINGS MAY NOT BE SHOWN. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETELY ERADICATED.
- PARKING ZONE PAVEMENT MARKINGS, 4" SOLID WHITE TRANSVERSE PARKING LINES, SHALL BE ALIGNED WITH THE PARKING REGULATION SIGNS, WHERE PRESENT. IF NO SIGNS ARE PRESENT, LINES SHALL BE LOCATED ACCORDING TO THE CITY OF ALEXANDRIA PARKING REGULATIONS, OR AS DIRECTED BY THE CITY ENGINEER.
- NOT ALL DRIVEWAYS HAVE BEEN LOCATED FOR PAVEMENT MARKING PLANS. FIELD VERIFICATION OF DRIVEWAYS MAY BE NECESSARY BEFORE APPLYING PAVEMENT MARKINGS.
- ALL SIGNS SHALL BE HIGH INTENSITY SHEETING MEETING THE REQUIREMENTS OF AASHTO M268.
- PROPOSED SIGNS SHALL BE INSTALLED SO THAT NO PORTION OF THE SIGN PANEL OVERHANGS ADJACENT ROADWAY PAVEMENT, I.E. SHALL NOT EXTEND BEYOND THE FACE OF THE CURB. REFER TO THE 11TH EDITION OF THE MUTCD FOR LATERAL OFFSET GUIDELINES.
- ALL PROPOSED SIGN INSTALLATION SHALL BE AT LEAST 7' FROM TOP OF PAVEMENT TO THE BOTTOM OF THE SIGN PER 11TH EDITION OF THE MUTCD REQUIREMENTS.
- POST MOUNTED SIGNS AND OBJECT MARKERS SHALL BE CRASHWORTHY IF LOCATED WITHIN THE CLEAR ZONE PER THE 11TH EDITION OF THE MUTCD.
- PROPOSED SIGN POSTS SHALL BE LOCATED A MINIMUM OF 2' BEHIND ANY ADJACENT FACE OF CURB. IF LOCATED IN OR ADJACENT TO SIDEWALKS, A 30" MINIMUM CLEAR AND 48" PREFERRED PASSING SPACE ON EXISTING AND PROPOSED SIDEWALKS SHALL BE MAINTAINED.
- PROPOSED SIGNS AT NEW LOCATIONS SHALL BE INSTALLED SO THEY DO NOT BLOCK THE VISIBILITY OF ANY EXISTING SIGNS OR SIGNALS.
- PROPOSED SIGNS AND POSTS SHALL BE CLEAR OF EXISTING FIRE HYDRANTS, SURFACE UTILITY, AND OVERHEAD UTILITY EQUIPMENT A MINIMUM OF 10'.
- FOR NEW POST INSTALLATION, THE CONTRACTOR SHALL VERIFY THERE ARE NO CONFLICTING UNDERGROUND OR OVERHEAD UTILITIES
- SIGNS MOUNTED TO EXISTING LIGHT, SIGNAL, OR UTILITY POLES SHALL BE FASTENED WITH A MANUFACTURED STEEL BANDING SYSTEM. POLES SHALL NOT BE DRILLED DIRECTLY. THE CONTRACTOR SHALL SUBMIT MANUFACTURER INFORMATION ON THE BANDING SYSTEM TO THE CITY ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- IF SIGN INSTALLATION IS SHOWN ON A POLE THAT IS NOT OWNED BY THE CITY, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER (UTILITY COMPANY OR PROPERTY OWNER). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED PERMISSION.
- ALL SIGN LOCATIONS SHOWN ON THE PLANS ARE SCHEMATIC AND MAY NOT REFLECT ACTUAL FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY EACH LOCATION PRIOR TO INSTALLING A SIGN. IF AT ANY POINT THE CONTRACTOR FINDS A CONFLICT, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER PRIOR TO INSTALLING THE PROPOSED SIGN. PROPOSED SIGN LOCATIONS CAN BE ADJUSTED AS APPROVED BY THE CITY ENGINEER.

MAINTENANCE OF TRAFFIC:

- THE MUTCD, VDOT, AND CITY OF ALEXANDRIA STANDARD DETAILS AND PROCEDURES FOR MAINTENANCE OF TRAFFIC SHALL BE USED FOR INSTALLATION OF PROPOSED WORK.
- ALL EXISTING RESIDENTIAL AND COMMERCIAL DRIVEWAYS AND PUBLIC ALLEY ENTRANCES SHALL REMAIN OPEN AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- NO WORK SHALL BE DONE DURING THE HOURS OF STUDENT ARRIVAL AND DISMISSAL TIMES. CONTRACTOR SHALL COORDINATE WITH SCHOOL OFFICIALS FOR THESE HOURS.
- FOR LOCATIONS WHERE THE WORK WILL BE COMPLETE WITHIN ONE WORKING DAY, THE CONTRACTOR SHALL UTILIZE SIGNS, BARRICADES, CHANNELIZING DEVICES, PORTABLE CHANGEABLE MESSAGE BOARDS, AND WARNING LIGHTS AS NECESSARY TO COMPLY WITH VDOT AND MUTCD REQUIREMENTS FOR SHORT-TERM STATIONARY WORK AND MOBILE WORK.
- TEMPORARY "MOBILE" LANE CLOSURES UTILIZING VEHICLES WITH WARNING LIGHTS AND SIGNS PER THE MUTCD WILL BE ALLOWED FOR LANE CLOSURES WHERE THE WORK WILL BE COMPLETED WITHIN ONE WORKING DAY. FOR LOCATIONS WHERE THE WORK WILL NOT BE COMPLETE WITHIN ONE WORKING DAY, THE CONTRACTOR SHALL UTILIZE SIGNS, BARRICADES, CHANNELIZING DEVICES, PORTABLE CHANGEABLE MESSAGE BOARDS, AND WARNING LIGHTS AS NECESSARY TO COMPLY WITH VDOT AND MUTCD REQUIREMENTS FOR INTERMEDIATE-TERM STATIONARY WORK.
- THE SIDEWALKS AND CROSSWALKS MUST REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- SIGNS SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK AND REMOVED IMMEDIATELY AFTER COMPLETION OF ACTIVITIES.
- FULL VIEW OF ADVANCE WARNING SIGNS SHALL BE CLEAR OF OBSTRUCTION ON APPROACH TO WORK ZONE AND THEY SHALL NOT IMPAIR THE VIEW OF EXISTING TRAFFIC SIGNS.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY NOISE PERMIT FOR WEEKEND AND NIGHT-TIME WORK IF NECESSARY.
- ALL AFFECTED TRAVEL LANES SHALL MAINTAIN A 10' MINIMUM WIDTH UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

DEMOLITION NOTES:

- THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY CITY INSPECTOR.
- INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PRIOR TO BEGINNING DEMOLITION WORK.
- DEMOLITION DETAILS AND NOTES ARE INTENDED TO DEPICT GENERAL DEMOLITION AND UTILITY WORK AND ARE NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALEXANDRIA, VDOT, AND ANY UTILITY COMPANIES PRIOR TO WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING CONCRETE CURBS, POSTS, SIGNS, AND OTHER ELEMENTS TO REMAIN DURING DEMOLITION. ANY DAMAGE TO PROPERTY CAUSED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- MATERIALS REMOVED UNDER CLEARING/DEMOLITION WORK, NOT TO BE RELOCATED OR TO BE TURNED OVER TO THE CITY, SHALL BE REMOVED AS DIRECTED BY THE CITY AND THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEBRIS FROM THE SITE.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES.
- EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL INFORM VIRGINIA 811 OF VIRGINIA AND THE CITY OF ALEXANDRIA 48 HOURS PRIOR TO PERFORMING EXCAVATION OPERATIONS. CERTAIN UTILITIES WITHIN THE VICINITY OF THIS PROJECT AREA ARE SHOWN ON THE PLANS. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATELY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND LIGHTING SYSTEMS BEFORE PROCEEDING WITH WORK.
- ASPHALT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT AND CAREFULLY REMOVED TO AVOID DAMAGE TO EXISTING PAVEMENT TO REMAIN. ASPHALT SHALL BE REMOVED ONLY WHEN WORK IS TO PROCEED IMMEDIATELY TO AVOID SLOUGHING OF THE ADJACENT PAVEMENT BASE MATERIAL.
- WHERE NEW CONCRETE CURB IS INSTALLED, CONTRACTOR SHALL PROVIDE A SMOOTH AND UNIFORM EDGE AND CAUSE MINIMAL DISTURBANCE TO THE EXISTING ASPHALT TO REMAIN.

EROSION AND SEDIMENT CONTROL:

- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE VIRGINIA REGULATIONS SECTION 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES TO THE SATISFACTION OF THE CITY SITE INSPECTOR.
- EXISTING TREES ARE TO REMAIN AND BE PROTECTED FROM CONSTRUCTION ACTIVITIES UNLESS OTHERWISE SPECIFIED IN THESE PLANS.
- AN EROSION AND SEDIMENT CONTROL PLAN MUST BE APPROVED BY THE DIRECTOR OF TRANSPORTATION AND ENVIRONMENTAL SERVICES PRIOR TO ANY LAND DISTURBING ACTIVITY GREATER THAN 2,500 SF.
- A "CERTIFIED LAND DISTURBER" (CLD) SHALL BE NAMED IN A LETTER TO THE DIVISION CHIEF OF CONSTRUCTION AND INSPECTION (C&I), DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES PRIOR TO ANY LANE DISTURBING ACTIVITIES. IF THE CLD CHANGES DURING THE PROJECT, THAT CHANGE MUST BE NOTED IN A LETTER TO THE DIVISION CHIEF. A NOTE TO THIS EFFECT SHALL BE PLACED ON THE EROSION AND SEDIMENT CONTROL SHEETS ON THE PLAN.
- THE DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES, CONSTRUCTION AND INSPECTION (C&I) DIVISION MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENTS OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. THE RESPONSIBLE CLD SHALL ATTEND THE PRE-CONSTRUCTION MEETINGS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- CONSTRUCTION SHALL BE SEQUENCED SUCH THAT GRADING OPERATION CAN BEGIN AND END AS QUICKLY AS POSSIBLE. AREAS NOT TO BE DISTURBED MUST BE CLEARLY MARKED OR FLAGGED.
- AN INSPECTION BY THE CITY OF ALEXANDRIA IS REQUIRED AFTER INITIAL INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND BEFORE ANY CLEARING OR GRADING CAN BEGIN.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN THOSE INDICATED ON THESE PLANS THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE CITY OF ALEXANDRIA.
- THE CONTRACTOR SHALL KEEP DENUDED AREAS TO A MINIMUM. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE LONGER THAN 10 DAYS MUST BE SEEDED FOR TEMPORARY VEGETATION AND MULCHED WITH STRAW MULCH OR OTHERWISE STABILIZED.
- DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES DAILY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT EROSION AND SEDIMENTATION AND AS DETERMINED BY THE DIRECTOR OF TRANSPORTATION AND ENVIRONMENTAL SERVICES (T&ES) OF THE CITY OF ALEXANDRIA.
- DENUDED SLOPES, EITHER DISTURBED OR CREATED BY THIS PLAN THAT EXCEED 2,500 SF ARE TO BE SODDED AND PEGGED FOR STABILITY AND EROSION CONTROL. AT THE COMPLETION OF THE PROJECT AND PRIOR TO THE RELEASE OF THE BOND, ALL DISTURBED AREAS SHALL BE STABILIZED PERMANENTLY AND ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED.
- INSTALL SILT FENCE AND TREE PROTECTION, WHERE APPLICABLE, TO THE EXTENT POSSIBLE. TREE PROTECTION SHALL BE INSTALLED AT THE DRIP LINE OF THE TREE(S).
- DUST CONTROL SHALL BE ACCOMPLISHED BY TEMPORARY VEGETATIVE COVER AND BY IRRIGATION AS NEEDED.
- CONTRACTOR SHALL RESTORE/REPAIR DAMAGED AREAS OUTSIDE OF LIMITS OF DISTURBANCE TO EXISTING CONDITIONS AFTER CONSTRUCTION IS COMPLETED.

SURVEY NOTES:

- SURVEY PREPARED BY:
CITY OF ALEXANDRIA DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES DEVELOPMENT AND RIGHT OF WAY SERVICES
SURVEY SECTION 2900-B BUSINESS CENTER DRIVE, ALEXANDRIA, VA. 22314
- SURVEY PROJECT #: 22-11-02
- HORIZONTAL DATUM FOR PROJECT CONTROL IS BASED UPON NAD 83 VIRGINIA NORTH ZONE (MYCS2), AND WAS ESTABLISHED BY RTK GPS OBSERVATION IN 12-01-22. PROJECT COORDINATES CAN BE MULTIPLIED BY THE APPROPRIATE COMBINED SCALE FACTOR FOR THIS LOCATION TO BETTER REPRESENT VALUES ON VIRGINIA GRID NORTH
- VERTICAL DATUM FOR PROJECT CONTROL IS BASED UPON NAVD 88 (GEOD 18), AND WAS ESTABLISHED BY RTK GPS OBSERVATION IN 12-01-22.
- SUBSURFACE UTILITY DESIGNATION AND LOCATION WAS NOT PERFORMED IN CONJUNCTION WITH THIS SURVEY. NOT ALL UNDERGROUND UTILITIES ARE SHOWN HEREON.
- EXISTING STRIPING/TRAFFIC PAINT IS NOT SHOWN ON THIS SURVEY.
- RESOURCE PROTECTION AREAS AND FEMA FLOOD ZONES (IF ANY) ARE SHOWN PER GIS LOCATION ONLY. THIS TOPOGRAPHIC SURVEY DID NOT INCLUDE A FLOOD STUDY OR ENVIRONMENTAL STUDY.
- ALL BUILDING LOCATIONS ARE SHOWN PER GIS ONLY (INCLUDING THOSE IN TOPO SURVEY AREA). FEATURES SHOWN PER GIS WERE NOT SURVEY VERIFIED AND MAY NOT MEET MINIMUM ACCURACY STANDARDS.
- THIS SURVEY WAS PREPARED FOR THE CITY OF ALEXANDRIA (AND THEIR DIRECT ASSIGNS) ONLY. THIS SURVEY IS INTENDED FOR THE SPECIFIC CITY INITIATED PROJECT (CIRCA 2022) ONLY. ANY OTHER USE OF THIS DATA IS STRICTLY PROHIBITED.
- THOSE AREAS DESIGNATED AS 'ADD. TOPO AREA' WERE REQUESTED AFTER ORIGINAL DELIVERABLE FOR ADDITIONAL INFO AT A FEW LOCATIONS. ROW LINES ARE NOT SHOWN IN THESE AREAS.
- CONTOUR INTERVAL: 1'
- ANY BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.


STORMWATER NOTES:

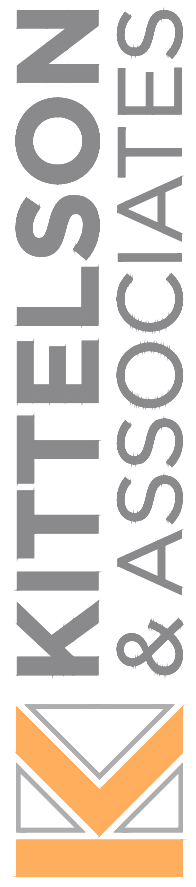
PER DEQ GUIDANCE MEMO 15-2003, FOR LINEAR DEVELOPMENT PROJECTS SUCH AS THIS THAT WILL NOT RESULT IN SIGNIFICANT CHANGES TO THE PREDEVELOPMENT RUNOFF CHARACTERISTICS OF THE LAND SURFACE AFTER THE COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION, THE REQUIREMENT FOR THE PREPARATION AND IMPLEMENTATION OF A STORMWATER MANAGEMENT PLAN IS WAIVED PROVIDED THE FOLLOWING LANGUAGE IS ADDED TO THE PLAN SET AND ADHERED TO IN THE FIELD:

THE DISTURBED LAND WHERE WORK HAS BEEN COMPLETED MUST BE ADEQUATELY STABILIZED ON A DAILY BASIS. THE OWNER AND/OR CONSTRUCTION ACTIVITY OPERATOR MUST DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN POLLUTION PREVENTION MEASURES TO:

- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS;
- MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON-SITE TO PRECIPITATION AND TO STORMWATER;
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES;
- PROHIBIT THE DISCHARGE OF WASTEWATER FROM THE WASHOUT OF CONCRETE;
- PROHIBIT THE DISCHARGE OF WASTEWATER FROM THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS; AND
- PROHIBIT THE DISCHARGE OF FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.

NOT
APPROVED
60%
COMPLETED
FOR
CONSTRUCTION

60% SUBMITTAL




300 M STREET SE, SUITE 810
WASHINGTON, DC 20003
P 202.450.3710

REVISIONS	DESCRIPTION

ALEXANDRIA PROJECT NO.: 2562/103
DATE OF PLAN ISSUANCE: 4-24-24
CONSULTANT PROJECT ID.: 25760.002
DESIGNED BY: DNS DATE: 4-24-24
DRAWN BY: DNS DATE: 4-24-24
CHECKED BY: ARM DATE: 4-24-24
APPROVED BY: _____ DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

GENERAL NOTES

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

SHEET
2 of 20
SCALE: N/A

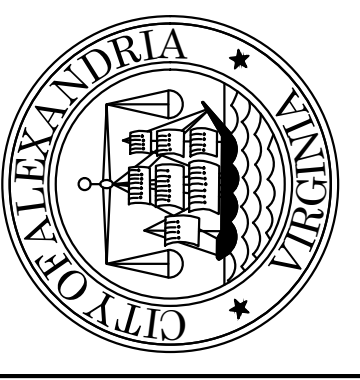
ABBREVIATIONS

ABAN	ABANDON
ADJ	ADJUST
BC	BOTTOM OF CURB ELEVATION
BIT. CONC.	BITUMINOUS CONCRETE
BOW	BACK OF SIDEWALK
CONC.	CONCRETE
CIRC	CIRCLE
CLF	CHAIN LINK FENCE
CP	CONTROL POINT
CONC	CONCRETE
Δ	DEFLECTION ANGLE
D	DRAIN LINE
DI	DUCTILE IRON
DICB	DROP INLET CATCH CASIN
EHH	ELECTRICAL HANDHOLE
EL, ELEV=	ELEVATION
EMH	ELECTRIC MANHOLE
EXIST	EXISTING
FL	FLOWLINE
GAS	GAS VALVE
HYD	HYDRANT
H.E.S.	HIGH EARLY STRENGTH
INV=	INVERT ELEVATION
L	LENGTH
LOG	LIP OF GUTTER
LP	LIGHT POST
LT.	LEFT OFFSET
ME	MATCH EXISTING
MNT	MOUNT
NIC	NOT IN CONTRACT
O.C.	ON CENTER
PC	POINT ON CURVE
PCC	POINT ON CONTINUOUS CURVE
PI	POINT OF INTERSECTION
PR	PEDESTRIAN RAMP
PRC	POINT ON REVERSE CURVE
PROP	PROPOSED
PT	POINT ON TANGENT
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REM	REMOVE
RET	RETAIN
RIM=	RIM ELEVATION
R&R	REMOVE & RESET
R&S	REMOVE & STACK
RT.	RIGHT OFFSET
SC	SADDLE CONNECTION
SH	HIGH PRESSURE WATER LINE
SL	LOW PRESSURE WATER LINE
SMH	SEWER MANHOLE
SP	SIGN POST
SS	SANITARY SEWER LINE
STD	STANDARD
STR	STRAIGHT
SW	SIDEWALK
T	TANGENT
TC	TOP OF CURB ELEVATION
TBC	TOP BACK OF CURB
UP	UTILITY POLE
WV	WATER VALVE

LEGEND

EXISTING	PROPOSED	
		UTILITY POLE
		TREE
		MANHOLE
		GRATE INLET
		UTILITY HAND BOX
		TRAVERSE
		LIGHT POLE
		SIGN
		WATER METER
		FLEX POST/BOLLARD
		WATER VALVE
		FIRE HYDRANT
		UTILITY MAN HOLE
		PEDESTRIAN SIGNAL
		PROPERTY LINE/R.O.W. LINE
		SANITARY SEWER MANHOLE
		STORM SEWER MANHOLE
		FENCE
		PEDESTRIAN RAMP
		RAISED CROSSWALK PAVEMENT MARKING SYMBOL
		4" SOLID WHITE EDGE LINE
		6" SOLID WHITE LANE LINE
		4" DOTTED WHITE LANE LINE (2' LINE, 4' SPACE)
		2-4" DOUBLE YELLOW CENTER LINES
		4" SINGLE YELLOW EDGE LINE
		8" SOLID WHITE CHANNELIZATION LINES AT 10' O.C.
		8" SOLID YELLOW CHANNELIZATION LINES AT 10' O.C.
		12" MINIMUM WHITE STOP LINE (UNLESS OTHERWISE NOTED)
		WHITE YIELD LINE TRIANGLES
		12" MINIMUM WHITE CROSSWALK LINES WITH 24" LONGITUDINAL LINES AT 4' O.C. (UNLESS OTHERWISE SHOWN)
		WHITE PAVEMENT ARROW AND LEGEND
		NEW OR RELOCATED SIGN

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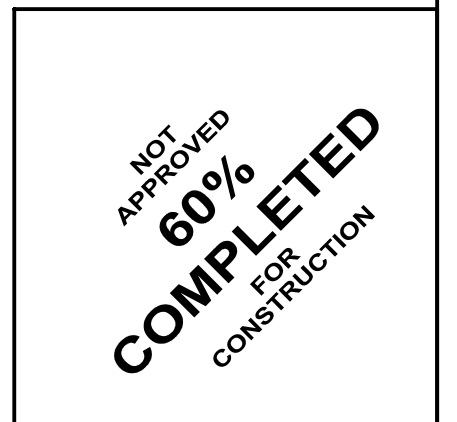
REVISIONS	DESCRIPTION
DATE	BY


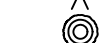


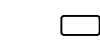

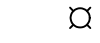
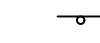

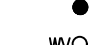
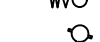
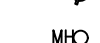
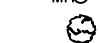


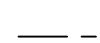
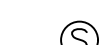
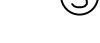


ALEXANDRIA PROJECT NO.: 2662/703
 DATE OF PLAN ISSUANCE: 4-24-24
 CONSULTANT PROJECT ID: 25760.002
 DESIGNED BY: DNS DATE: 4-24-24
 DRAWN BY: DNS DATE: 4-24-24
 CHECKED BY: ARM DATE: 4-24-24
 APPROVED BY: _____ DATE: _____

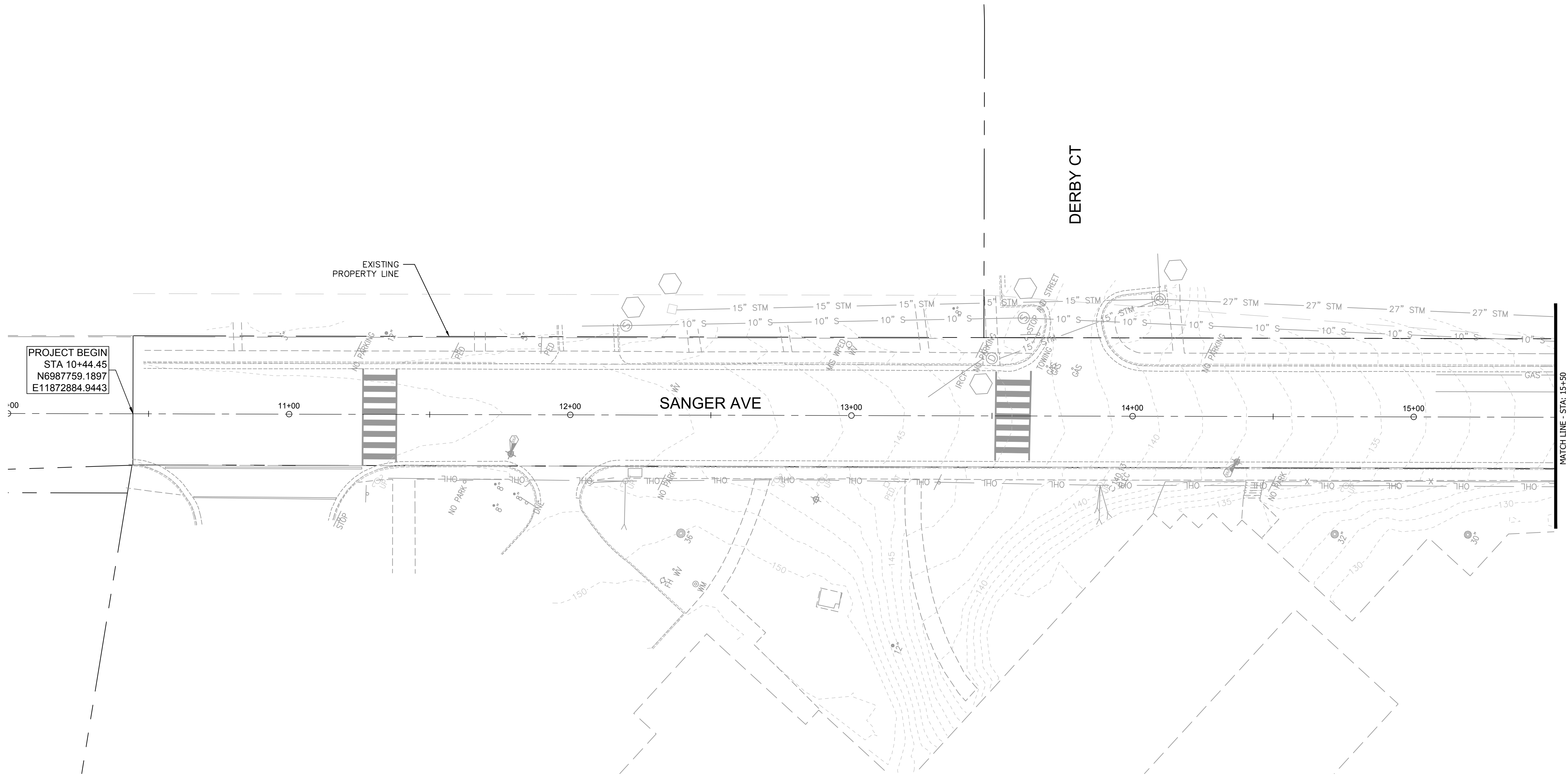
WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 SYMBOLS, LEGEND & ABBREVIATIONS

SHEET
 3 of 20
 SCALE: N/A



- UP  UTILITY POLE
-  GUY WIRE
-  TREE
-  MANHOLE
-  GRATE INLET
-  UTILITY HAND BOX
-  TRAVERSE
-  LIGHT POLE
-  SIGN
-  WATER METER
-  POST/BOLLARD
-  WATER VALVE
-  FIRE HYDRANT
-  UTILITY MAN HOLE
-  BUSH
-  EDGE OF VEGETATION
-  PEDESTRIAN SIGNAL
-  PROPERTY LINE/R.O.W. LINE
-  SANITARY SEWER MANHOLE
-  STORM SEWER MANHOLE



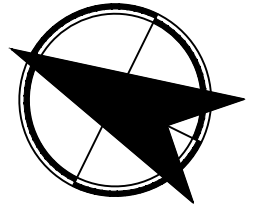
PROJECT BEGIN
 STA 10+44.45
 N6987759.1897
 E11872884.9443

EXISTING
 PROPERTY LINE

SANGER AVE

DERBY CT

MATCH LINE - STA: 15+50
 SEE SHEET 5



NOT
 APPROVED
60%
COMPLETED
 FOR
 CONSTRUCTION

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 EXISTING CONDITIONS PLAN

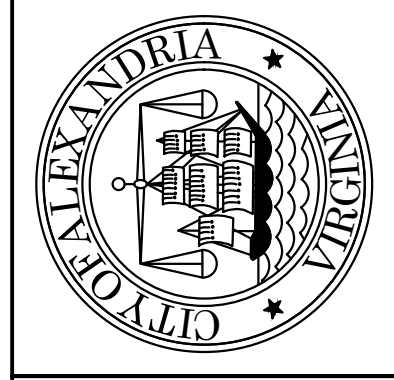
SHEET
 4 OF 20
 SCALE: 1"=20'

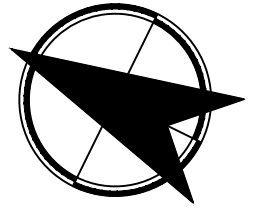
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CONSULTANT PROJECT ID: 25760.002	DESIGNED BY: DNS DATE: 4-24-24
DRAWN BY: DNS DATE: 4-24-24	CHECKED BY: ARM DATE: 4-24-24
APPROVED BY: _____	DATE: _____

REVISIONS	DESCRIPTION
DATE	
BY	

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 P 202.450.3710

60% SUBMITTAL





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REVISIONS	DESCRIPTION

DATE	BY

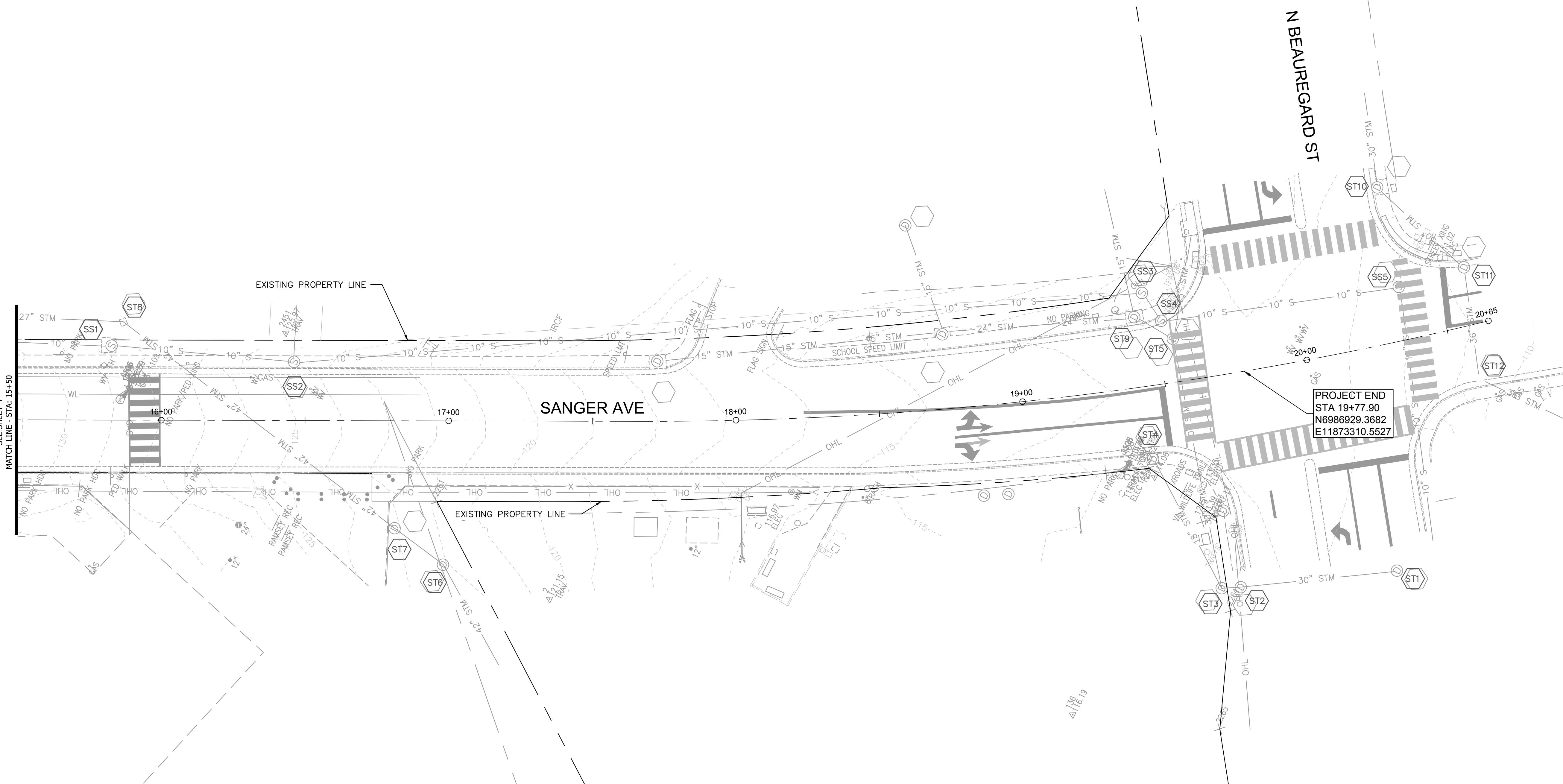
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 DATE OF PLAN ISSUANCE: 4-24-24
 CONSULTANT PROJECT ID: 25760.002
 DESIGNED BY: DNS DATE: 4-24-24
 DRAWN BY: DNS DATE: 4-24-24
 CHECKED BY: ARM DATE: 4-24-24
 APPROVED BY: _____ DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 EXISTING CONDITIONS PLAN

SHEET
 5 of 20
 SCALE: 1"=20'

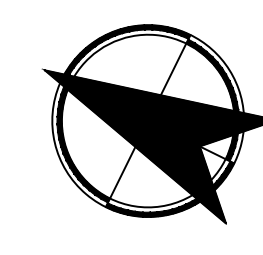
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60% COMPLETED
 FOR CONSTRUCTION



- UP- Utility Pole
- GUY WIRE
- TREE
- MANHOLE
- GRATE INLET
- UTILITY HAND BOX
- △- TRAVERSE
- LIGHT POLE
- SIGN
- WATER METER
- POST/BOLLARD
- WATER VALVE
- FIRE HYDRANT
- UTILITY MAN HOLE
- BUSH
- ~- EDGE OF VEGETATION
- ~- PEDESTRIAN SIGNAL
- - - PROPERTY LINE/R.O.W. LINE
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- - - UTILITY EASEMENT

STURCTURE #	RIM ELEV.	PIPE INFO.	INV. IN	PIPE INFO.	INV. IN	PIPE INFO.	INV. IN	PIPE INFO.	INV. OUT
ST1	112.35	CAN'T OPEN						30" RCP	107.85
ST2	112.95	30" RCP (ST3)	107.95					30" RCP	107.97
ST3	113.12	18" RCP (ST4)	108.87	30" RCP (ST5)	108.02				
ST4	113.73							18" RCP	110.48
ST5	113.35	24" RCP (NW)	109.98	15" RCPE	110.38			30" RCP	109.75
ST6	122.08	42" RCP (ST7)	115.40					42" RCP	114.67
ST7	123.22	42" RCP (ST8)	115.75					42" RCP	115.75
ST8	127.23							42" RCP	119.34
ST9	113.81	15" RCP (NW)	110.51	15" RCP (NE)	110.73			21" RCP	110.42
ST10	113.99	30" RCP (NE)	104.64					30" RCP	104.49
ST11	110.51	CAN'T OPEN							
ST12	110.63	36" RCP (ST11)	102.90					48" RCP	102.86

STURCTURE #	RIM ELEV.	PIPE INFO.	INV. IN	PIPE INFO.	INV. IN	PIPE INFO.	INV. IN	PIPE INFO.	INV. OUT
SS1	129.05	10" RCP (NW)	125.28					10" RCP	125.76
SS2	124.88	10" RCP (SS1)		10" RCP (NE)	116.73			10" RCP	116.28
SS3	114.29	10" RCP (SS2)	108.37					10" RCP	108.24
SS4	113.32	10" RCP (SS3)	107.98					10" RCP	107.85
SS5	112.08	10" RCP (SS4)	103.48					10" RCP	103.31



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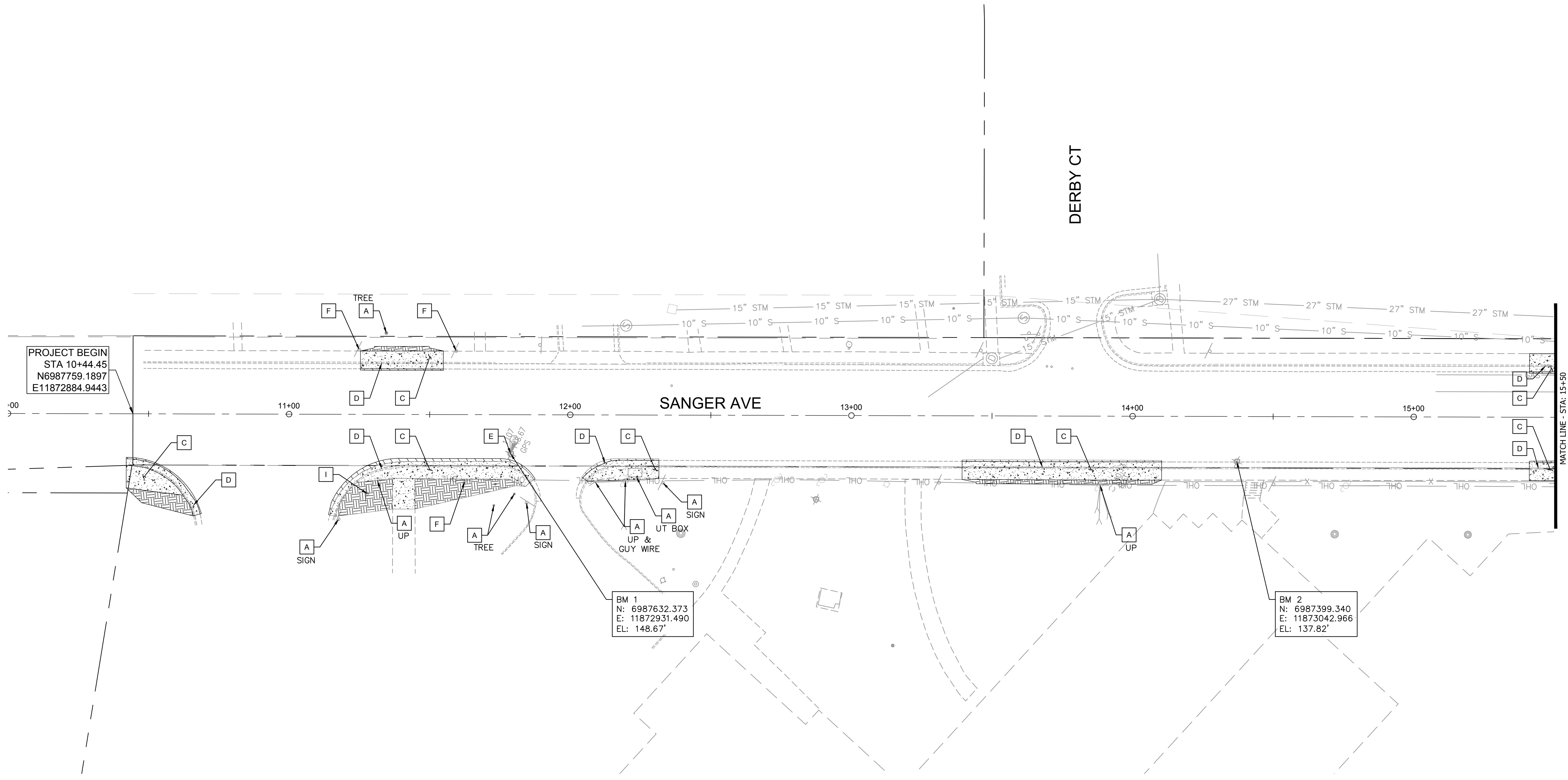
DATE	BY

ALEXANDRIA PROJECT NO.: 2662/103
 DATE OF PLAN ISSUANCE: 4-24-24
 CONSULTANT PROJECT ID: 25760.002
 DESIGNED BY: DNS DATE: 4-24-24
 DRAWN BY: DNS DATE: 4-24-24
 CHECKED BY: ARM DATE: 4-24-24
 APPROVED BY: _____ DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 DEMOLITION PLAN

SHEET
 6 of 20
 SCALE: 1"=20'



PROJECT BEGIN
 STA 10+44.45
 N6987759.1897
 E11872884.9443

BM 1
 N: 6987632.373
 E: 11872931.490
 EL: 148.67'

BM 2
 N: 6987399.340
 E: 11873042.966
 EL: 137.82'

MATCH LINE - STA: 15+50
 SEE SHEET 5

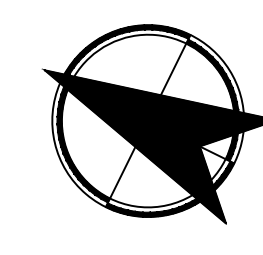
DEMOLITION NOTES:

- A RETAIN AND PROTECT
- B REMOVE OBSTRUCTIONS
- C REMOVE SIDEWALK, DRIVEWAYS, AND PEDESTRIAN RAMPS
- D REMOVE CURB AND GUTTER
- E REFERENCE AND RESET MONUMENT
- F SEE SIGNING & STRIPING PLANS
- G REMOVE CHAIN LINK FENCE
- H SEE SIGNAL PLANS
- I REMOVE AND RELOCATE COMMERCIAL SIGN

DEMOLITION LEGEND

- COLD PLANE ASPHALT CONCRETE PAVEMENT (0.2 FT DEPTH)
- REMOVE CONCRETE SIDEWALK, CURB & GUTTER, AND/OR ISLANDS
- CLEARING AND GRUBBING

NOT
 APPROVED
**60%
 COMPLETED**
 FOR
 CONSTRUCTION



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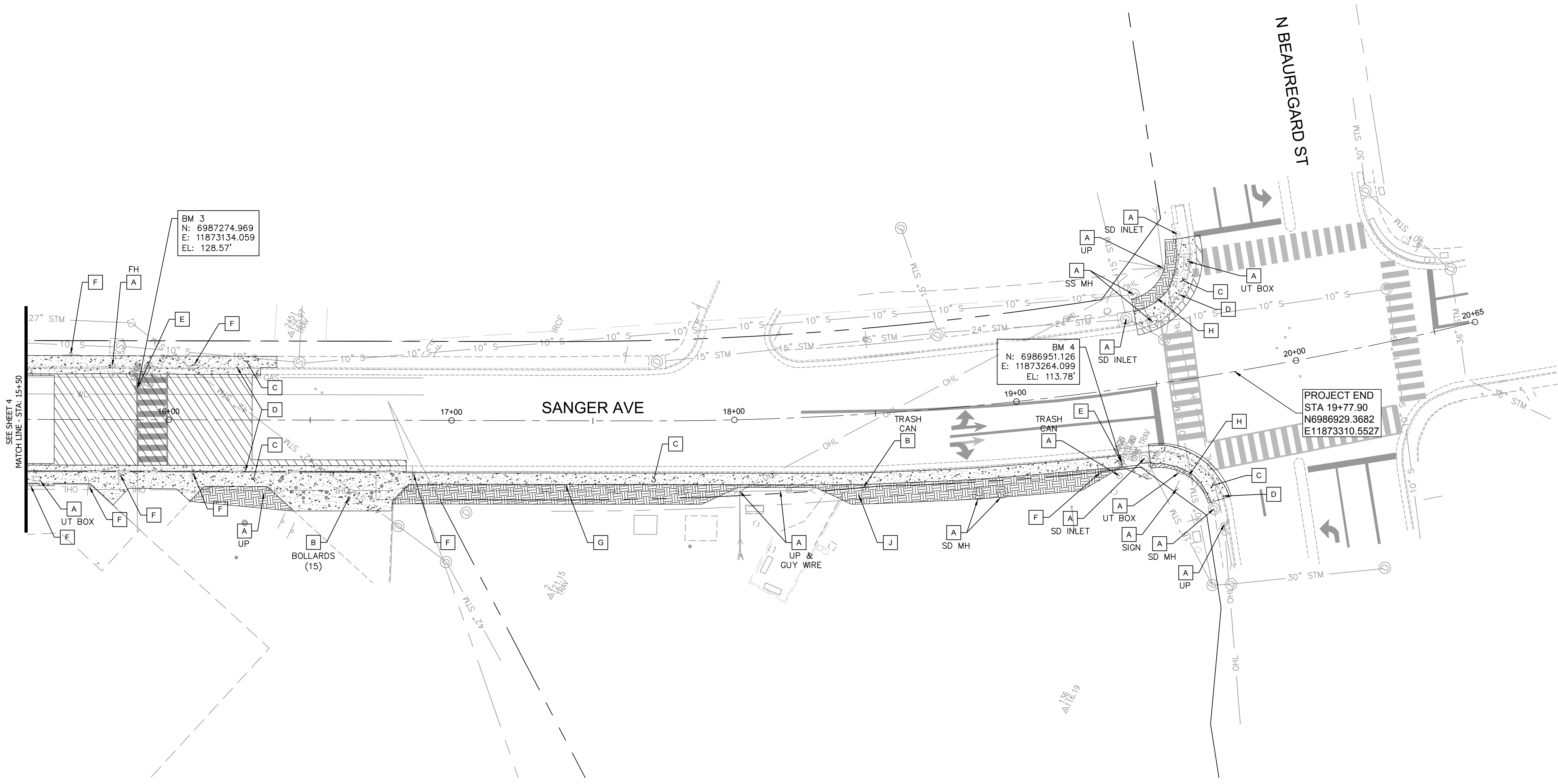
DATE	BY

ALEXANDRIA PROJECT NO.: 2662/103
 DATE OF PLAN ISSUANCE: 4-24-24
 CONSULTANT PROJECT ID: 25760.002
 DESIGNED BY: DNS DATE: 4-24-24
 DRAWN BY: DNS DATE: 4-24-24
 CHECKED BY: ARM DATE: 4-24-24
 APPROVED BY: _____ DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 DEMOLITION PLAN

SHEET
 7 of 20
 SCALE: 1"=20'



SEE SHEET 4
MATCH LINE - STA: 15+50

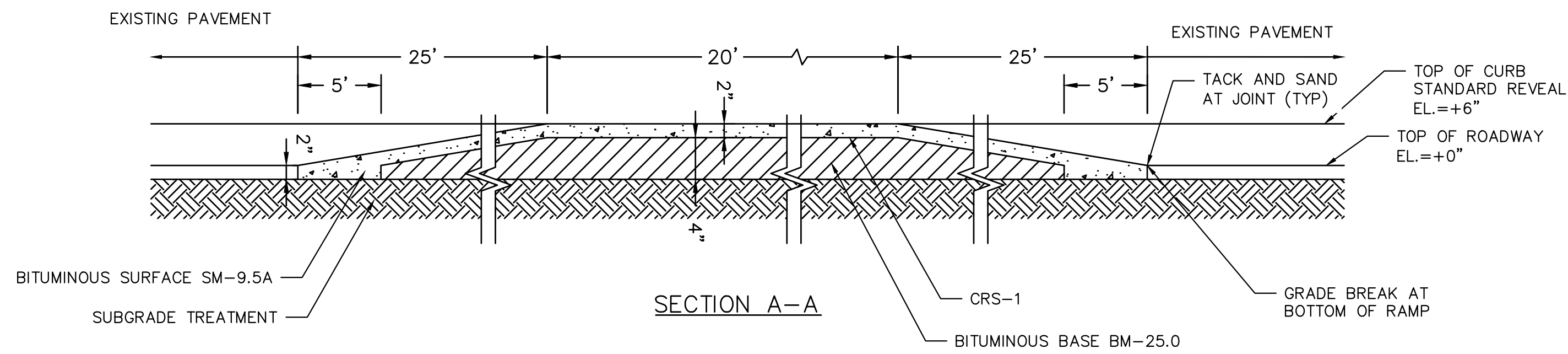
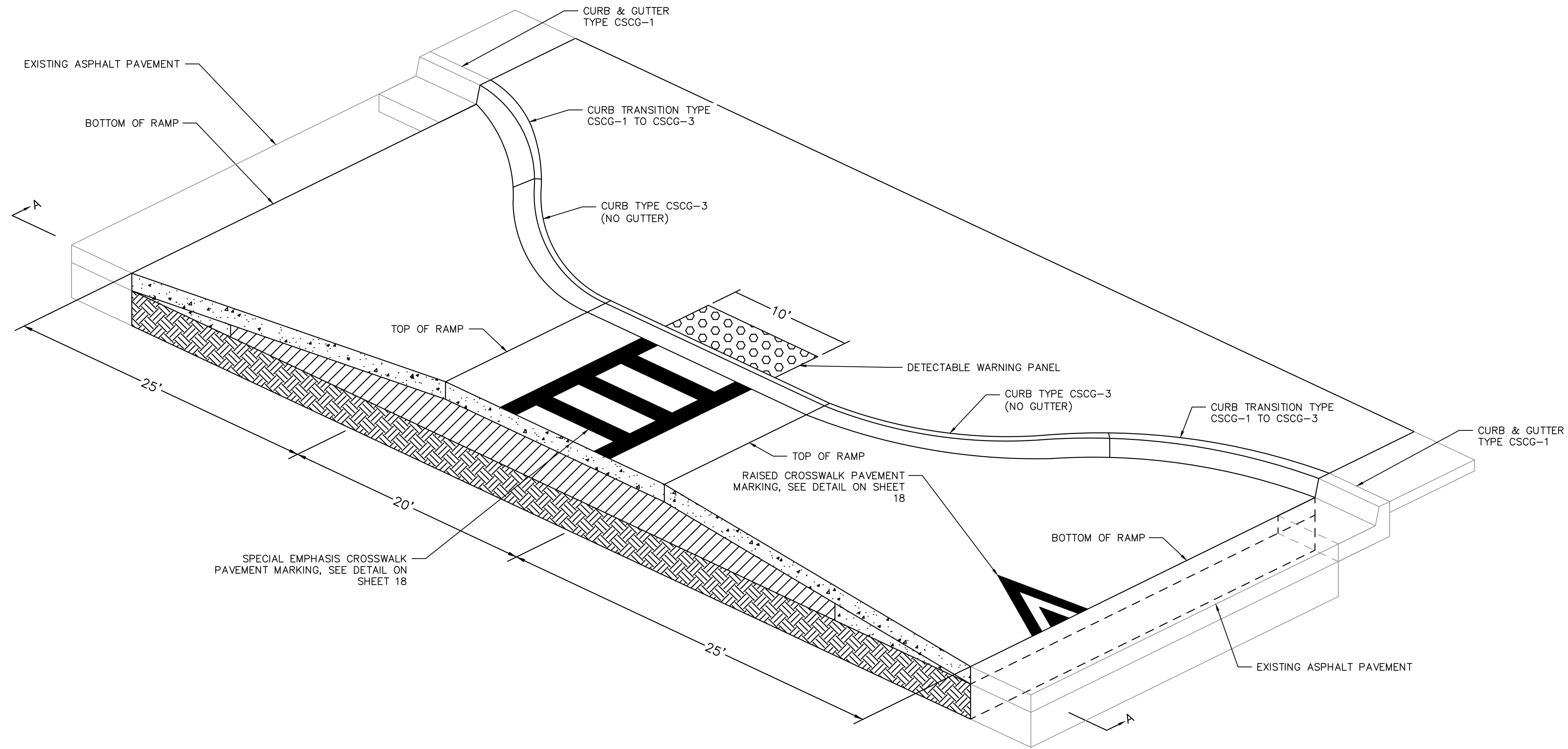
DEMOLITION NOTES:

- A RETAIN AND PROTECT
- B REMOVE OBSTRUCTIONS
- C REMOVE SIDEWALK, DRIVEWAYS, AND PEDESTRIAN RAMPS
- D REMOVE CURB AND GUTTER
- E REFERENCE AND RESET MONUMENT
- F SEE SIGNING & STRIPING PLANS
- G REMOVE CHAIN LINK FENCE
- H SEE SIGNAL PLANS
- I REMOVE AND RELOCATE COMMERCIAL SIGN
- J REMOVE TREE 6"+

DEMOLITION LEGEND

- COLD PLANE ASPHALT CONCRETE PAVEMENT (0.2 FT DEPTH)
- REMOVE CONCRETE SIDEWALK, CURB & GUTTER, AND/OR ISLANDS
- CLEARING AND GRUBBING

NOT
 APPROVED
60%
 COMPLETED
 FOR
 CONSTRUCTION



RAISED CROSSWALK DETAIL
NOT TO SCALE

NOTES:

1. RAISED CROSSINGS SHOULD BE PAVED IN 2" MAXIMUM LIFTS.
2. THE RAMP SLOPE SHOULD NOT EXCEED 7% RELATIVE TO THE EXISTING SLOPE OF THE STREET ADJACENT TO THE CROSSING.

NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION

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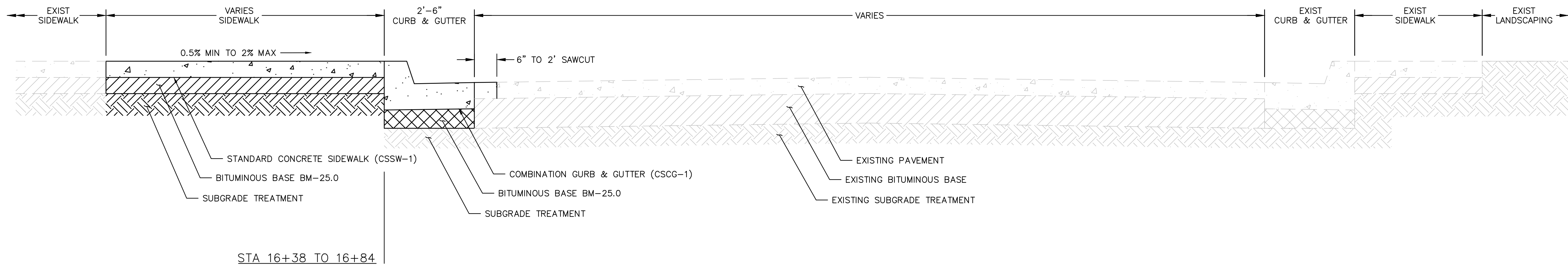
REVISIONS	DESCRIPTION
BY	
DATE	

ALEXANDRIA PROJECT NO.: 2662/103	DATE OF PLAN ISSUANCE: 4-24-24
CONSULTANT PROJECT ID.: 25760.002	DESIGNED BY: DNS DATE: 4-24-24
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APPROVED BY: _____	DATE: _____

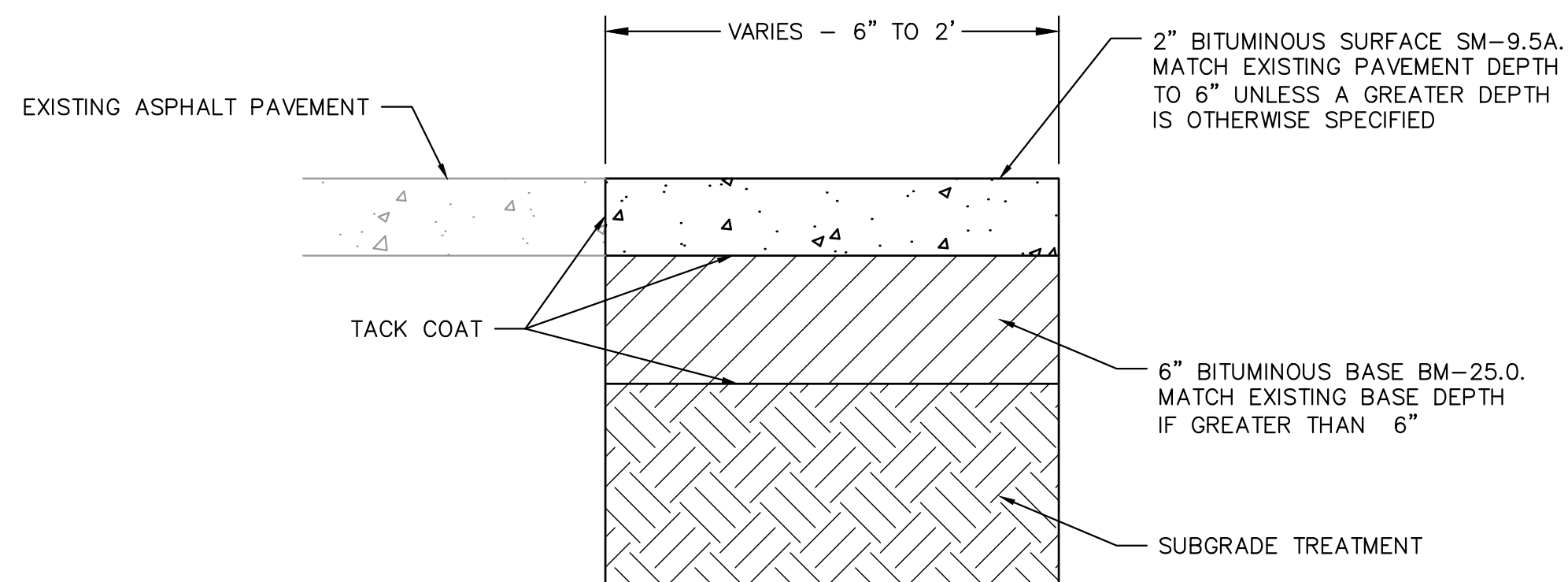
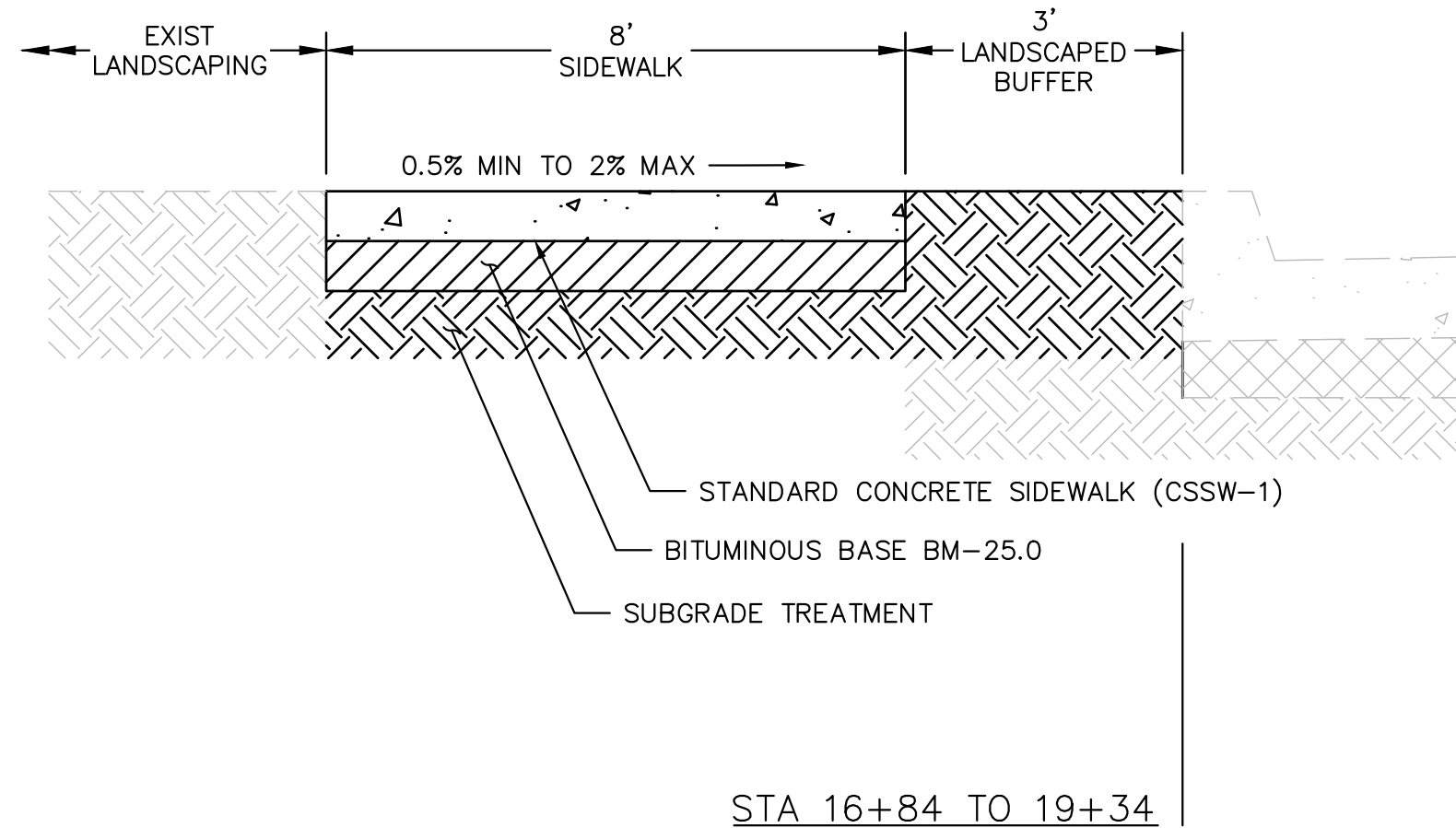
WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
CONSTRUCTION DETAILS

SHEET
8 OF 20
SCALE: N/A



TYPICAL SECTION (LOOKING NORTH)
NOT TO SCALE



ASPHALT REPAIR DETAIL
NOT TO SCALE

NOT APPROVED
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FOR CONSTRUCTION

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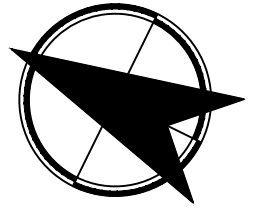
REVISIONS	DESCRIPTION
BY	
DATE	

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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
CONSTRUCTION DETAILS

SHEET
9 OF 20
SCALE: N/A



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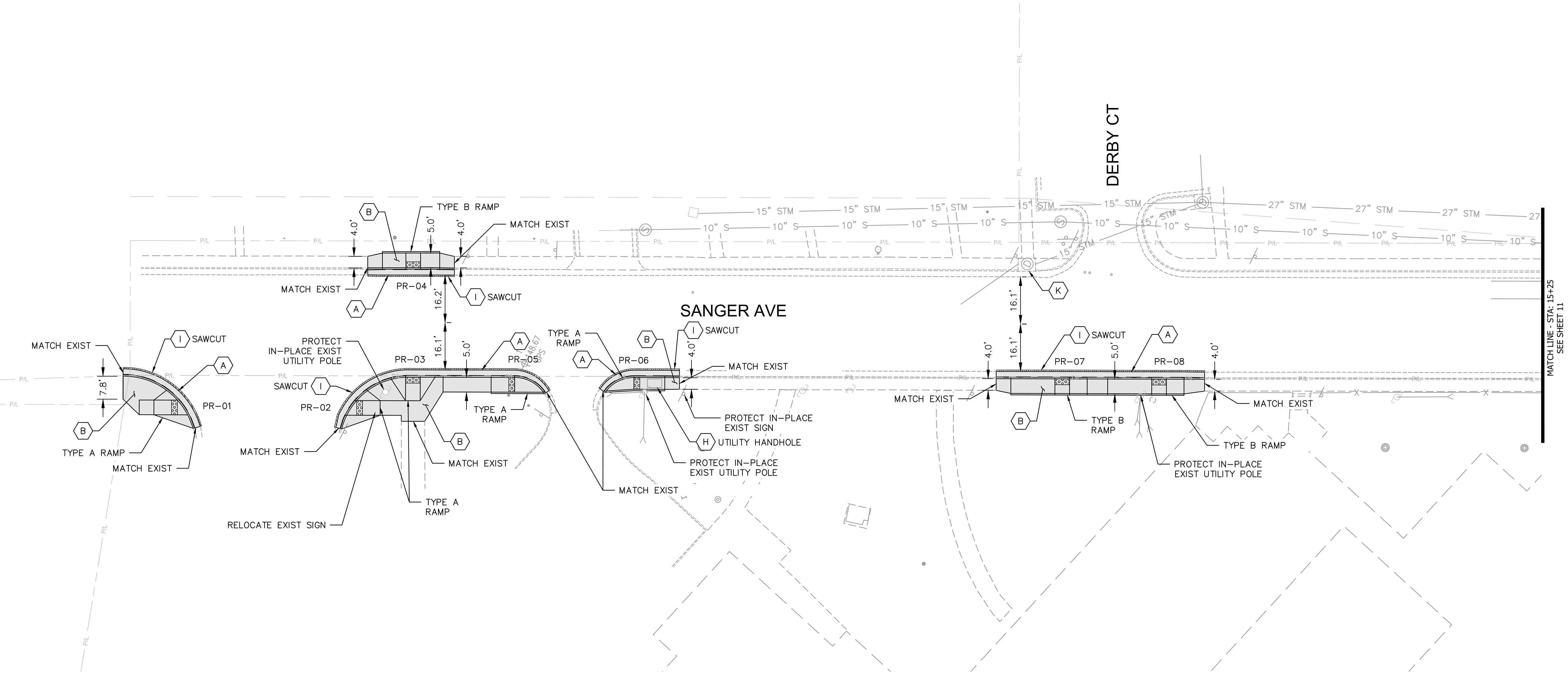
REVISIONS	DESCRIPTION

ALEXANDRIA PROJECT NO.: 2662/103	DATE OF PLAN ISSUANCE: 4-24-24
CONSULTANT PROJECT ID: 25760.002	DESIGNED BY: DNS DATE: 4-24-24
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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
CONSTRUCTION PLAN

SHEET
10 of 20
SCALE: 1"=20'



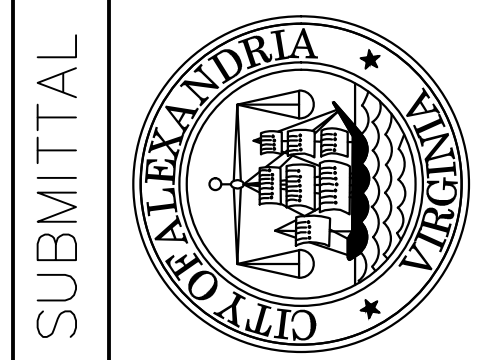
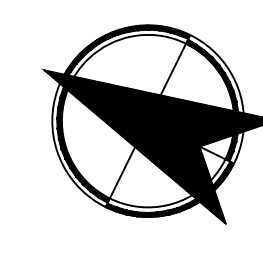
LEGEND

-  PROPOSED CONCRETE SIDEWALK
-  ASPHALT REPAIR

CONSTRUCTION NOTES:

- (A)** INSTALL 6" COMBINATION CURB AND GUTTER (CSCG-1)
- (B)** INSTALL STANDARD CONCRETE SIDEWALK (CSSW-1)
- (H)** ADJUST UTILITY TO GRADE
- (I)** ASPHALT REPAIR PER DETAIL ON SHEET 9
- (K)** INLET PROTECTION

NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION



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REVISIONS	DESCRIPTION

DATE	BY

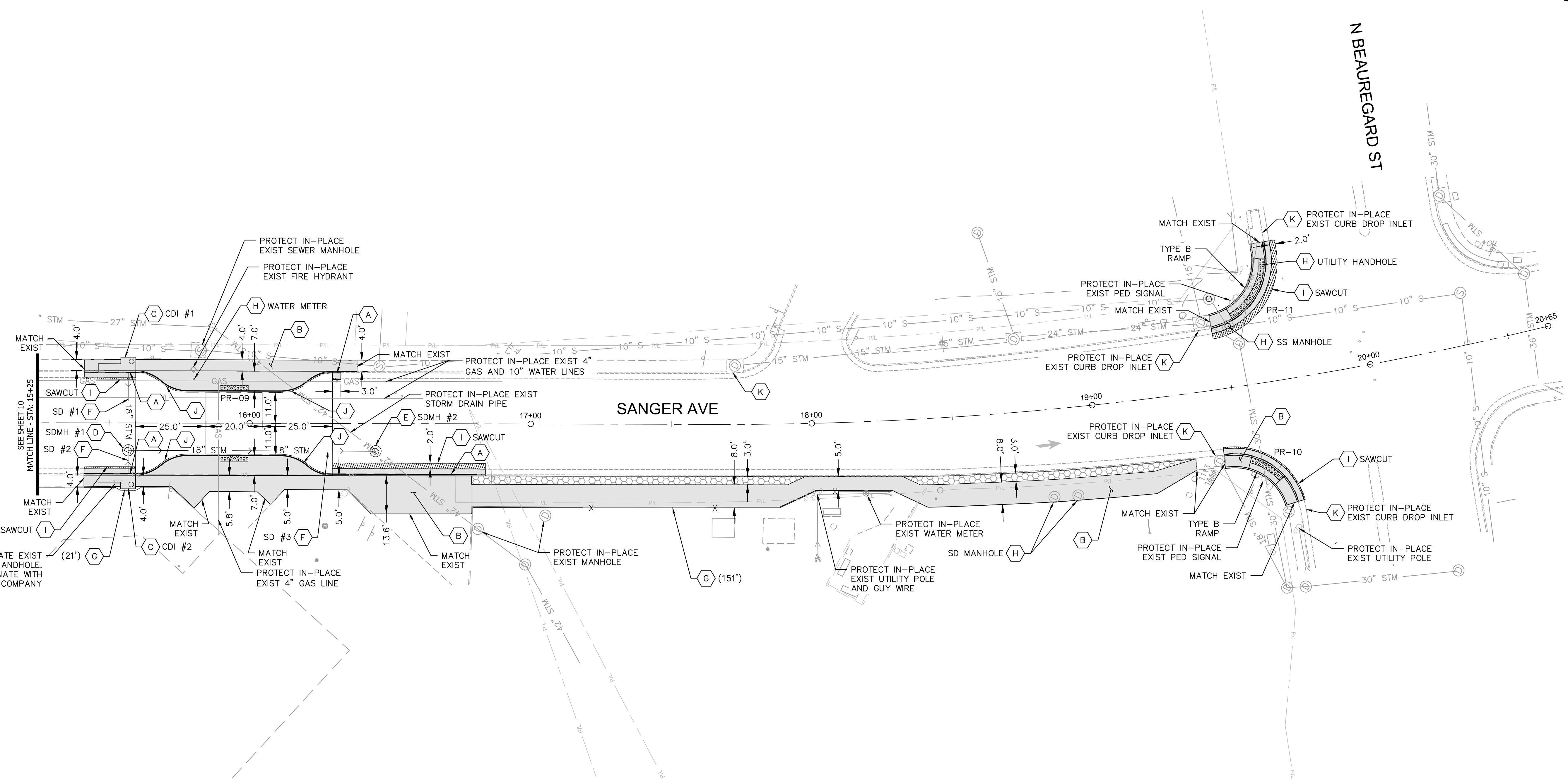
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 DATE OF PLAN ISSUANCE: 4-24-24
 CONSULTANT PROJECT ID: 25760.002
 DESIGNED BY: DNS DATE: 4-24-24
 DRAWN BY: DNS DATE: 4-24-24
 CHECKED BY: ARM DATE: 4-24-24
 APPROVED BY: _____ DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS
 WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS
 CONSTRUCTION PLAN

SHEET
 11 of 20
 SCALE: 1"=20'

60% SUBMITTAL

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS



STRUCTURE #	RIM ELEVATION	PIPE INFO.	INV. IN	PIPE INFO.	INV. OUT	LENGTH/HEIGHT (LF)	SLOPE
CDI #1	130.69			18" RCP (SD#1)	122.29	8.40	
CDI #2	130.71			18" RCP (SD#2)	122.65	8.00	
SDMH #1	130.55	18" RCP (SD#1)	121.68	18" RCP (SD#3)	121.63	8.92	
		18" RCP (SD#2)	122.48				
SDMH #2	125.23	18" RCP (SD#3)	118.13	48" RCP (EXIST)	117.13		
		48" RCP (EXIST)	117.13				
SD LINE #1		18" RCP	121.68	18" RCP	122.29	30.60	2.00%
SD LINE #2		18" RCP	122.48	18" RCP	122.70	11.10	2.00%
SD LINE #3		18" RCP	118.13	18" RCP	121.63	88.00	4.00%

CONSTRUCTION NOTES:

- (A) INSTALL 6" COMBINATION CURB AND GUTTER (CSCG-1)
- (B) INSTALL STANDARD CONCRETE SIDEWALK (CSSW-1)
- (C) INSTALL 14' STANDARD CURB DROP INLET (CSDI-1)
- (D) INSTALL PRECAST MANHOLE (CSMH-1)
- (E) INSTALL PRECAST MANHOLE (CSMH-2)
- (F) INSTALL 18" CIRCULAR PIPE (PB-1)
- (G) INSTALL 4' HIGH STANDARD CHAIN LINK FENCE (FE-CL)
- (H) ADJUST UTILITY TO GRADE
- (I) ASPHALT REPAIR PER DETAIL ON SHEET 9
- (J) MODIFIED MOUNTABLE CURB, NO GUTTER (CSCG-3)
- (K) INLET PROTECTION

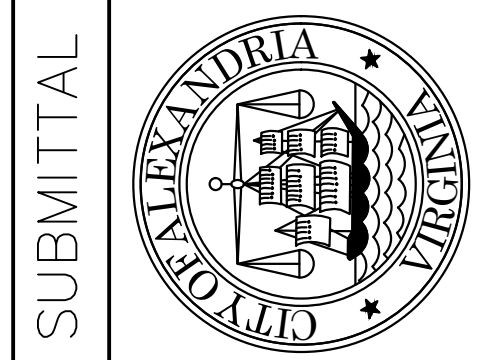
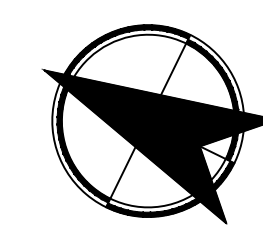
LEGEND

- PROPOSED CONCRETE SIDEWALK
- PROPOSED LANDSCAPED BUFFER
- ASPHALT REPAIR

NOTE

4" GAS LINE AND 10" WATER LINE SIZE AND LOCATIONS ARE ASSUMED AS PROVIDED BY THE CITY OF ALEXANDRIA. CONTACT VIRGINIA 811 FOR SIZE AND LOCATION INFORMATION PRIOR TO WORK

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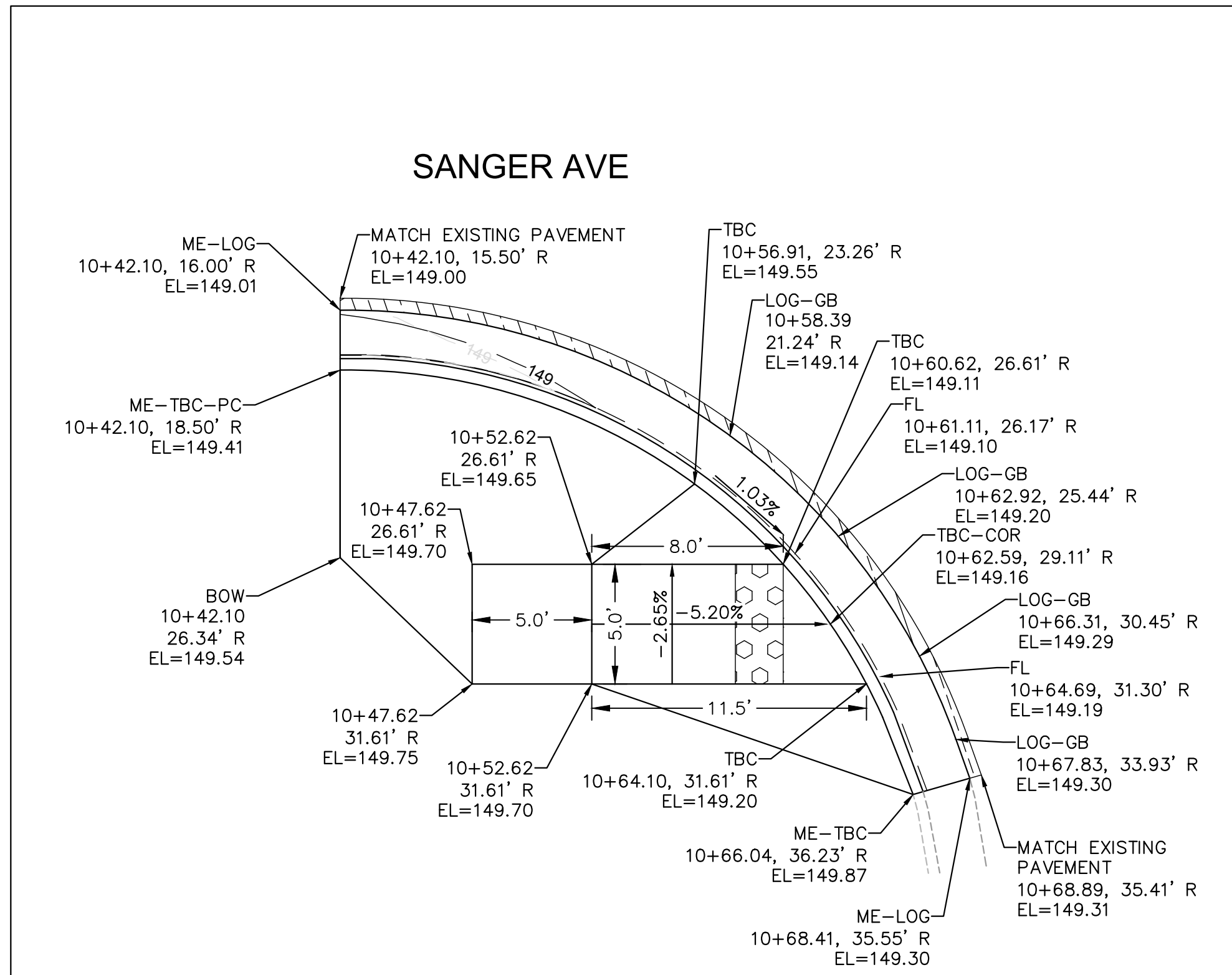
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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS
 RAMP DETAILS

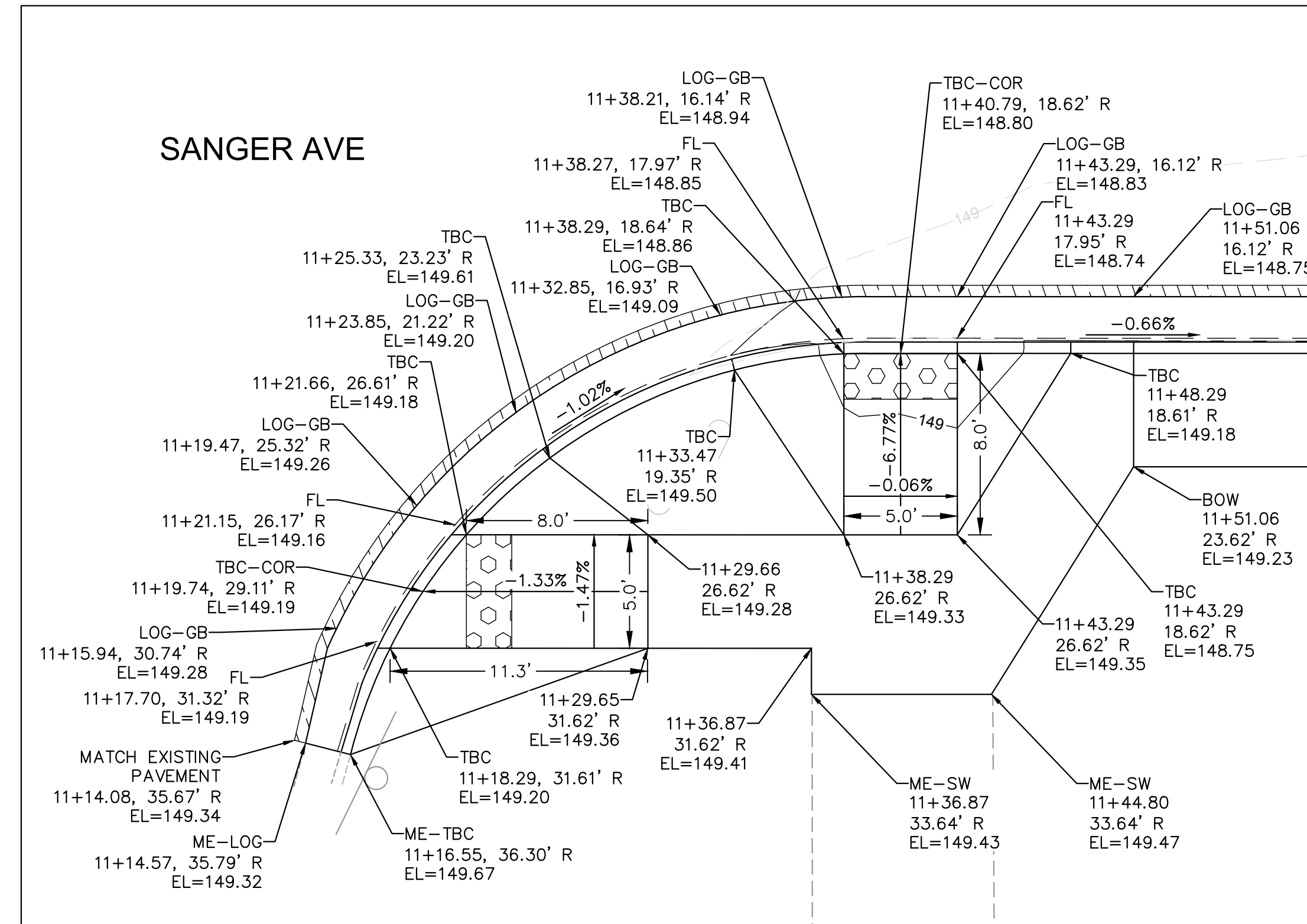
SHEET
 12 OF 20
 SCALE: 1"=20'

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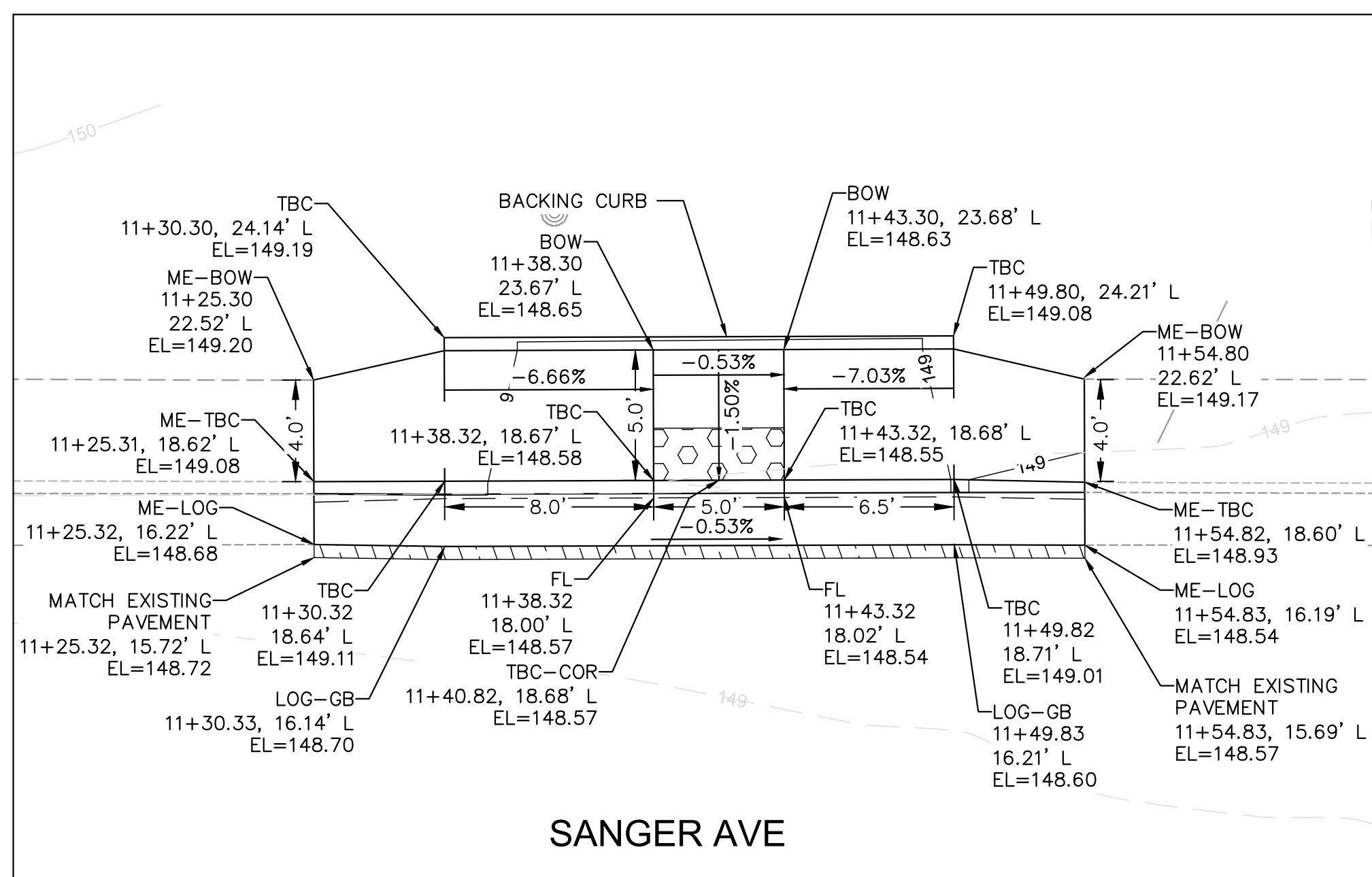
WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS



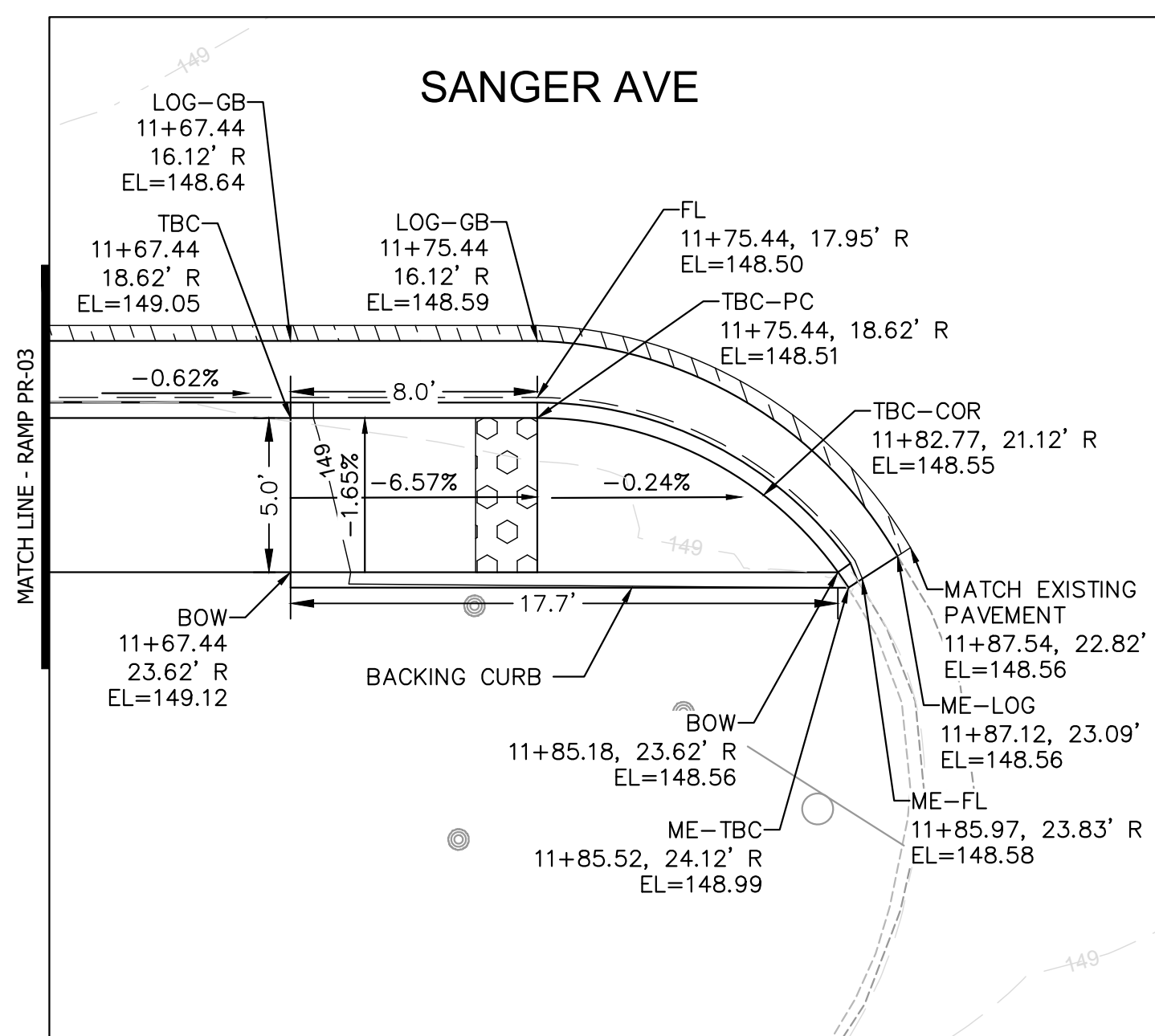
PROP. CONC. RAMP PR-01



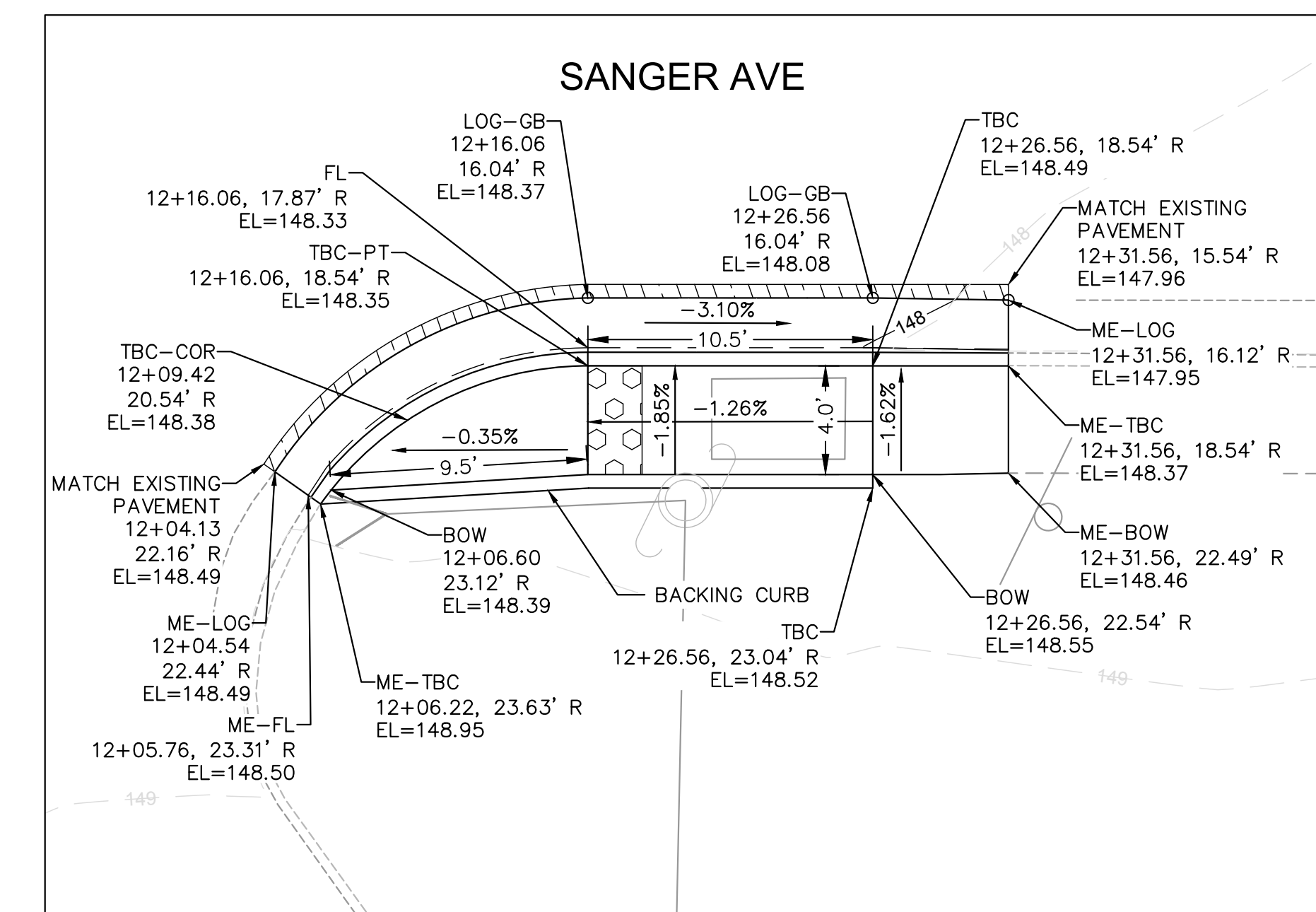
PROP. CONC. RAMP PR-02 & PR-03



PROP. CONC. RAMP PR-04

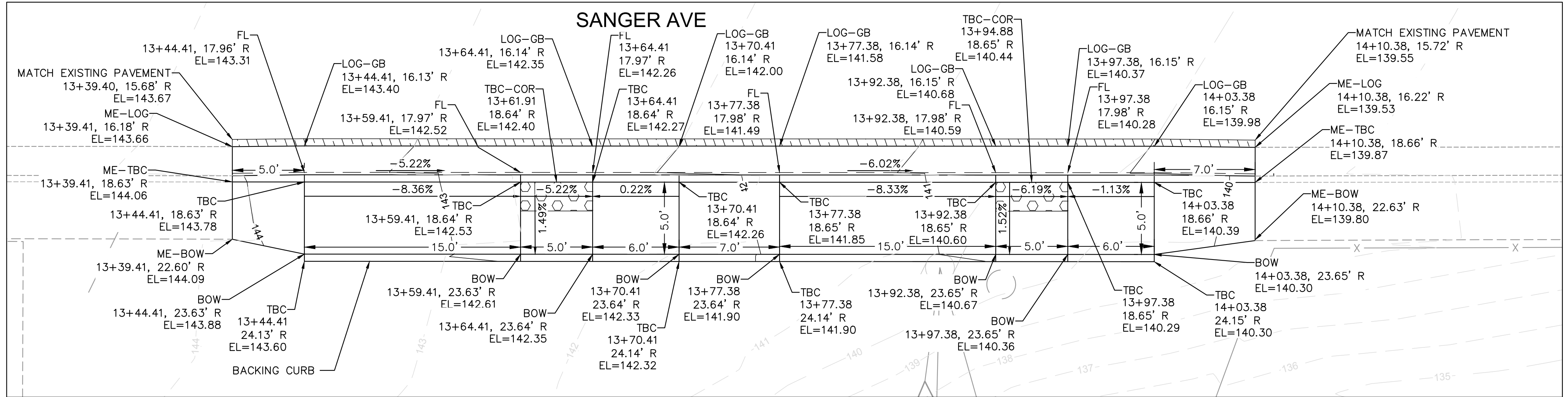
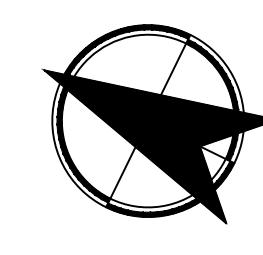


PROP. CONC. RAMP PR-05

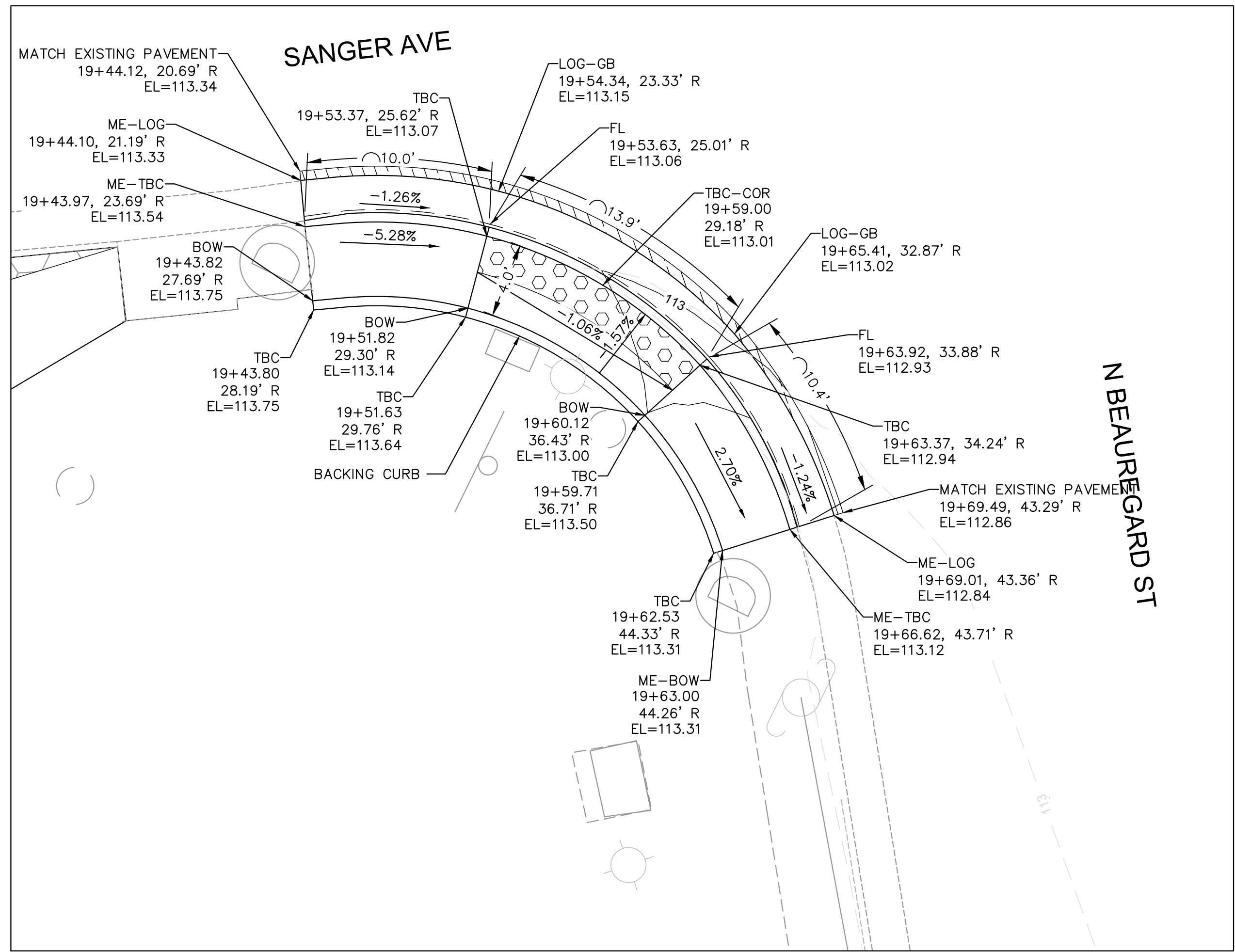


PROP. CONC. RAMP PR-06

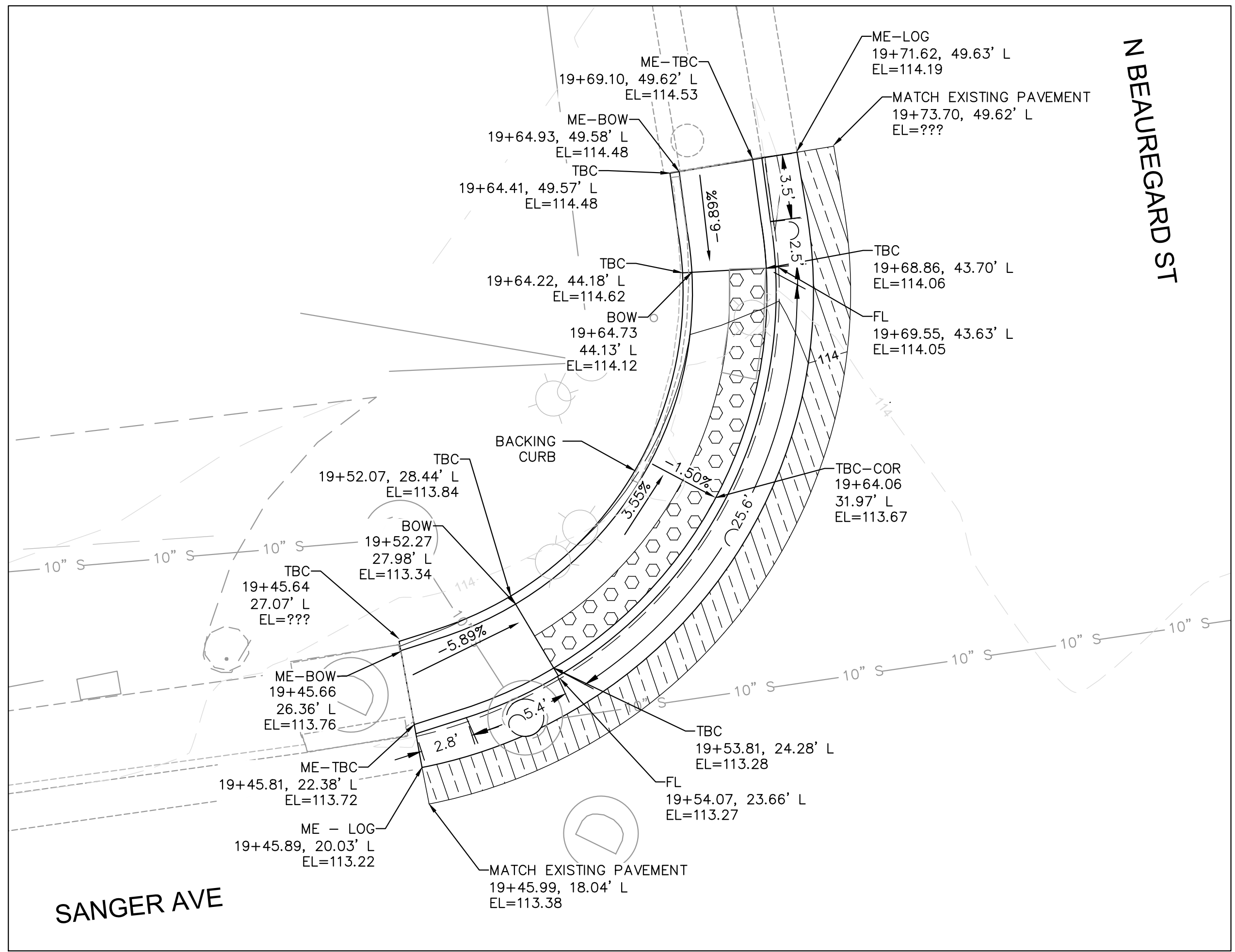
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 COMPLETED
 FOR CONSTRUCTION



PROP. CONC. RAMP PR-07 & PR-08



PROP. CONC. RAMP PR-10



PROP. CONC. RAMP PR-10

60% SUBMITTAL



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BY	
DATE	

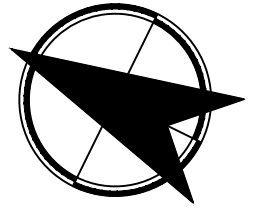
ALEXANDRIA PROJECT NO.: 2662/103	DATE OF PLAN ISSUANCE: 4-24-24
CONSULTANT PROJECT ID: 25760.002	DESIGNED BY: DNS DATE: 4-24-24
DRAWN BY: DNS DATE: 4-24-24	CHECKED BY: ARM DATE: 4-24-24
APPROVED BY: _____	DATE: _____

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
 TO SCHOOL IMPROVEMENTS
 RAMP DETAILS

SHEET
 13 OF 20
 SCALE: 1"=20'

NOT APPROVED
60% COMPLETED
 FOR CONSTRUCTION



60% SUBMITTAL



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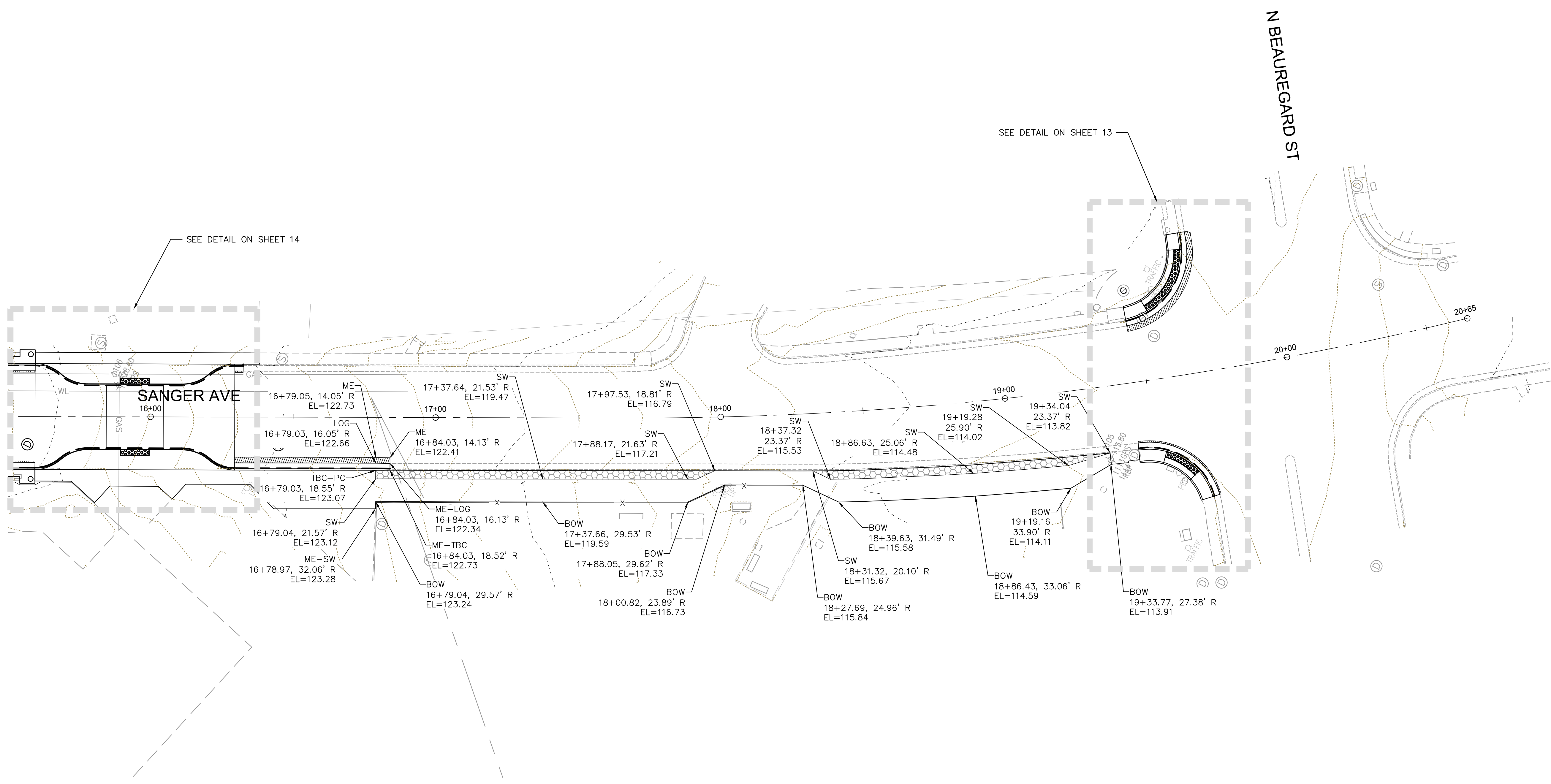
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DATE	BY

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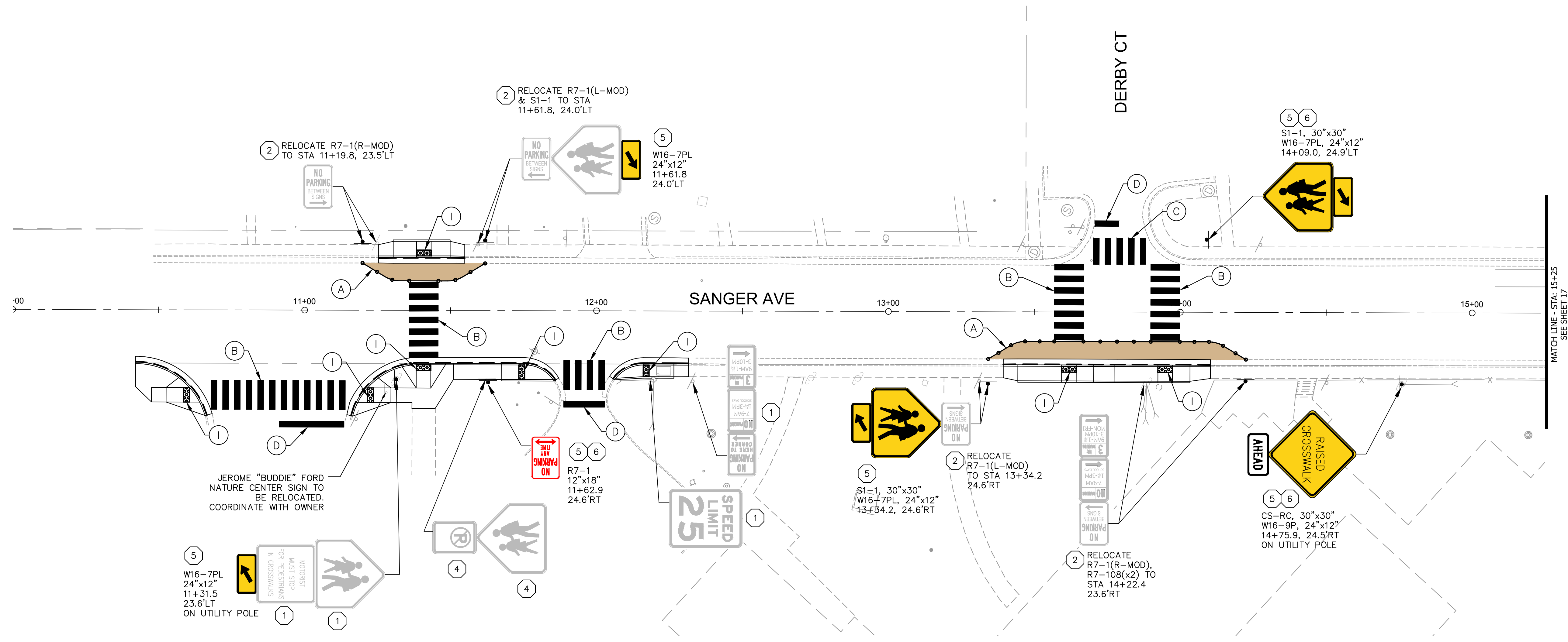
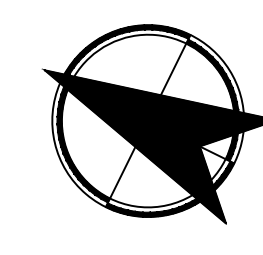
WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
GRADING PLAN

SHEET
15 of 20
SCALE: 1"=20'



NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION



5
W16-7PL
24"x12"
11+31.5
23.6'LT
ON UTILITY POLE

JEROME "BUDDIE" FORD
NATURE CENTER SIGN TO
BE RELOCATED.
COORDINATE WITH OWNER

2 RELOCATE R7-1(L-MOD)
& S1-1 TO STA
11+61.8, 24.0'LT

2 RELOCATE R7-1(R-MOD)
TO STA 11+19.8, 23.5'LT

5
W16-7PL
24"x12"
11+61.8
24.0'LT

5 6
R7-1
12"x18"
11+62.9
24.6'RT

5
S1-1, 30"x30"
W16-7PL, 24"x12"
13+34.2, 24.6'RT

2 RELOCATE
R7-1(L-MOD)
TO STA 13+34.2
24.6'RT

2 RELOCATE
R7-1(R-MOD),
R7-108(x2) TO
STA 14+22.4
23.6'RT

5 6
S1-1, 30"x30"
W16-7PL, 24"x12"
14+09.0, 24.9'LT

5 6
CS-RC, 30"x30"
W16-9P, 24"x12"
14+75.9, 24.5'RT
ON UTILITY POLE

SIGN KEYNOTES

- 1 RETAIN AND PROTECT
- 2 RELOCATE SIGN ON NEW POST
- 3 REMOVE POST
- 4 REMOVE AND SALVAGE SIGN
- 5 ROADSIDE TRAFFIC SIGN INSTALLATION
- 6 NEW POST INSTALLATION

PAVEMENT MARKING KEYNOTES

- A INSTALL PAINTED CURB EXTENSION, SEE DETAIL ON SHEET 18
- B TYPE B, CLASS I, LONGITUDINAL CROSSWALK, 10 FT WIDTH WITH 2 FT GAPS
- C TYPE B, CLASS I, LONGITUDINAL CROSSWALK, 9 FT WIDTH WITH 2 FT GAPS
- D TYPE B, CLASS I, 24" STOP BAR
- E TYPE B, CLASS I, RAISED CROSSWALK MARKING
- F TYPE B, CLASS I, 24" WIDTH YIELD LINE MARKING
- G TYPE B, CLASS I, HIGH VISIBILITY CROSSWALK (STANDARD), 10 FT WIDTH, SEE DETAIL ON SHEET 18
- H TYPE B, CLASS I, HIGH VISIBILITY CROSSWALK (RAISED CROSSWALK), 10 FT WIDTH, SEE DETAIL ON SHEET 18
- I INSTALL TRUNCATED DOMES

NOT
APPROVED
60%
COMPLETED
FOR
CONSTRUCTION

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS



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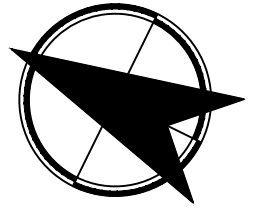
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WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET
16 of 20
SCALE: 1"=20'

60% SUBMITTAL

MATCH LINE - STA: 15+25
SEE SHEET 17



60% SUBMITTAL



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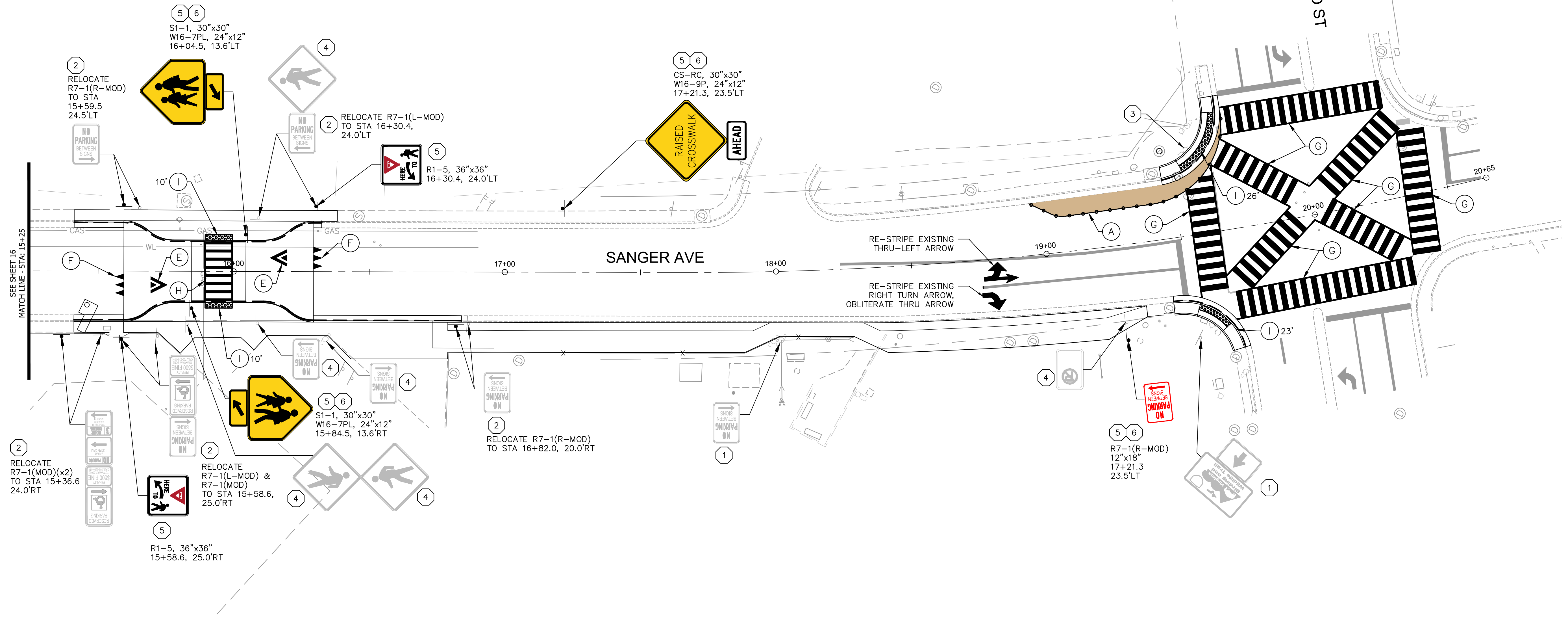
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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET
17 of 20
SCALE: 1"=20'



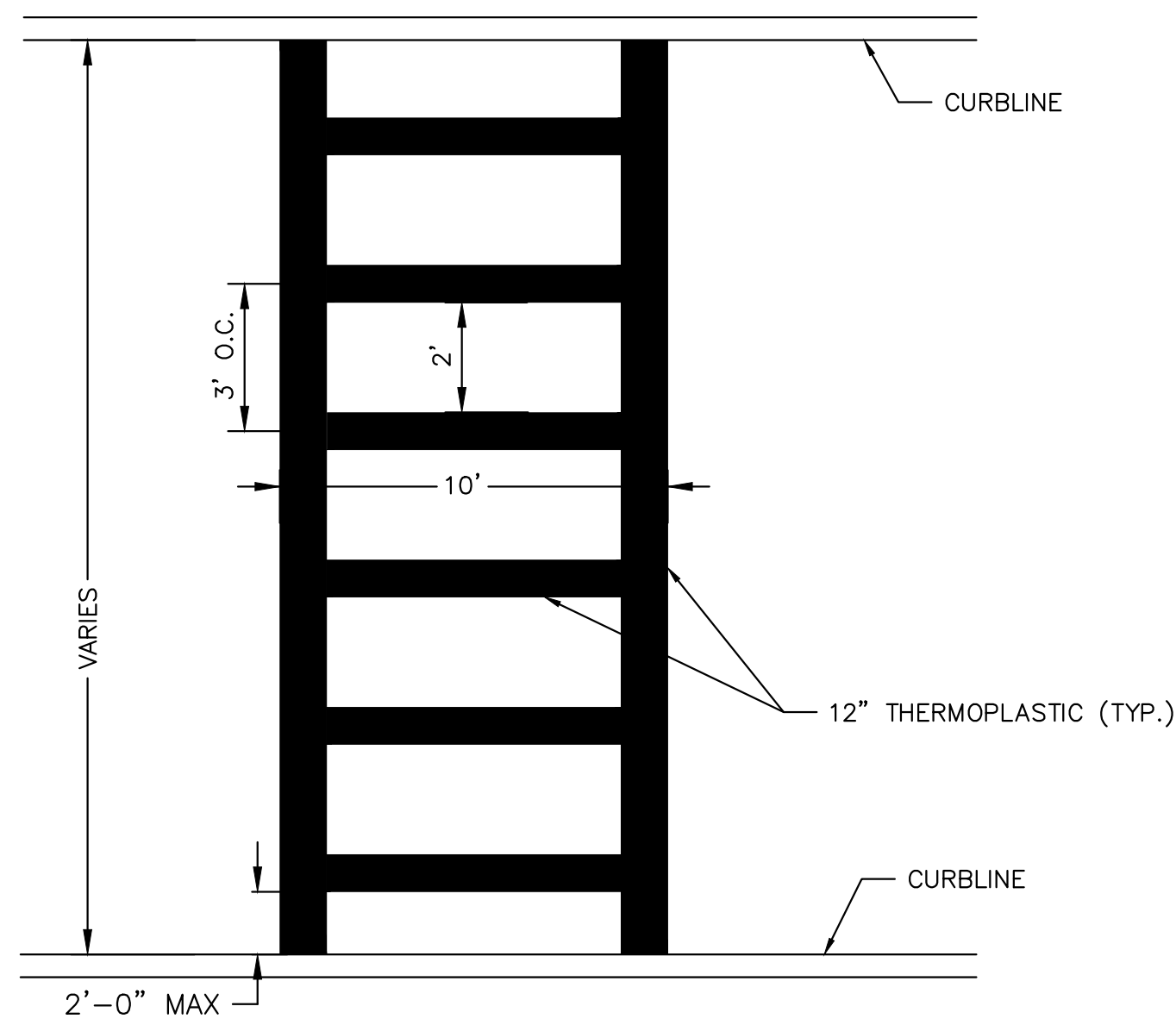
SIGN KEYNOTES

- 1 RETAIN AND PROTECT
- 2 RELOCATE SIGN ON NEW POST
- 3 REMOVE POST
- 4 REMOVE AND SALVAGE SIGN
- 5 ROADSIDE TRAFFIC SIGN INSTALLATION
- 6 NEW POST INSTALLATION

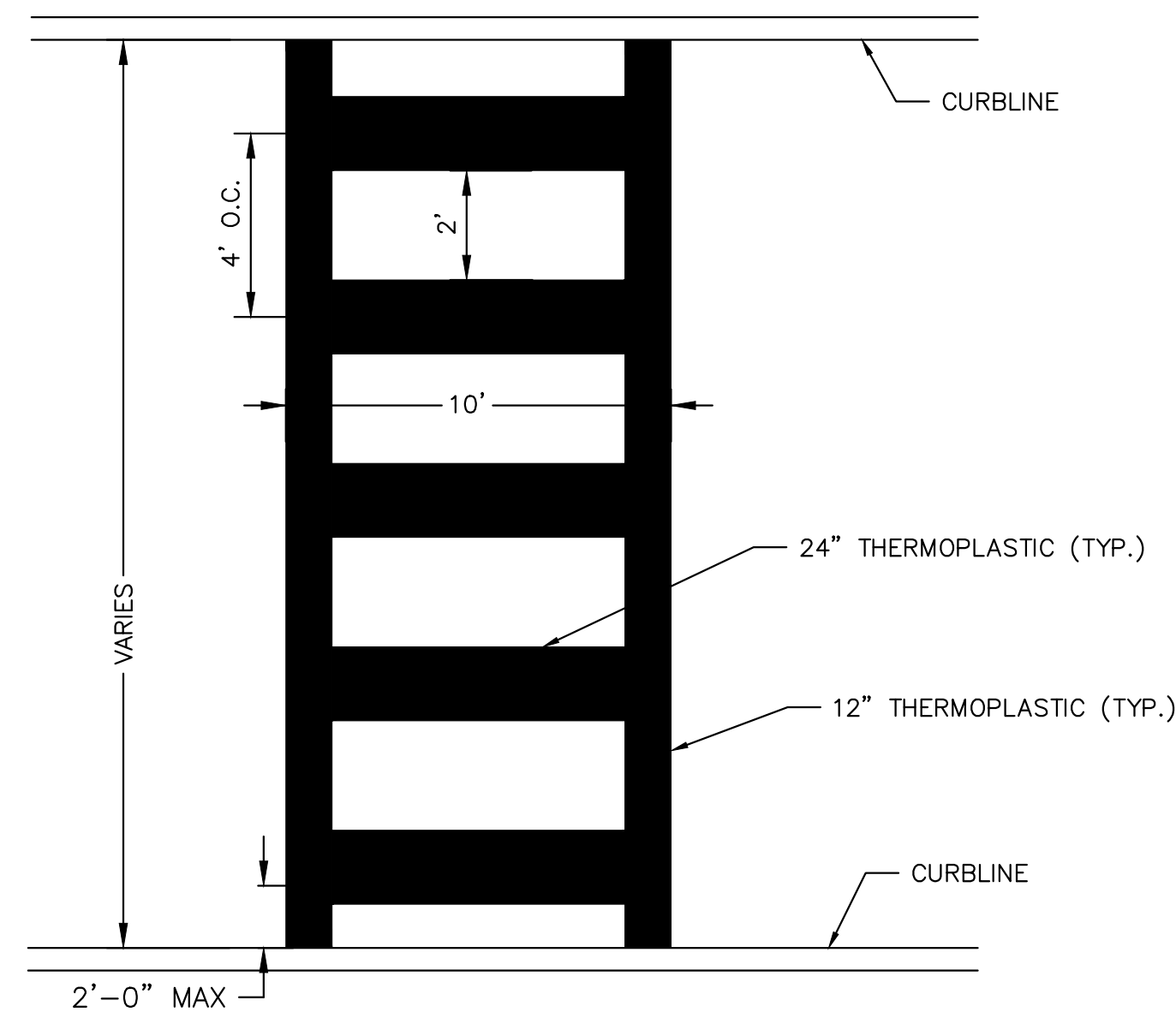
PAVEMENT MARKING KEYNOTES

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- C TYPE B, CLASS I, LONGITUDINAL CROSSWALK, 9 FT WIDTH WITH 2 FT GAPS
- D TYPE B, CLASS I, 24" STOP BAR
- E TYPE B, CLASS I, RAISED CROSSWALK MARKING, SEE DETAIL ON SHEET 18
- F TYPE B, CLASS I, 24" WIDTH YIELD LINE MARKING, SEE DETAIL ON SHEET 18
- G TYPE B, CLASS I, HIGH VISIBILITY CROSSWALK (STANDARD), 10 FT WIDTH, SEE DETAIL ON SHEET 18
- H TYPE B, CLASS I, HIGH VISIBILITY CROSSWALK (RAISED CROSSWALK), 10 FT WIDTH, SEE DETAIL ON SHEET 18
- I INSTALL TRUNCATED DOMES

NOT APPROVED
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FOR CONSTRUCTION



RAISED CROSSWALK
N.T.S.

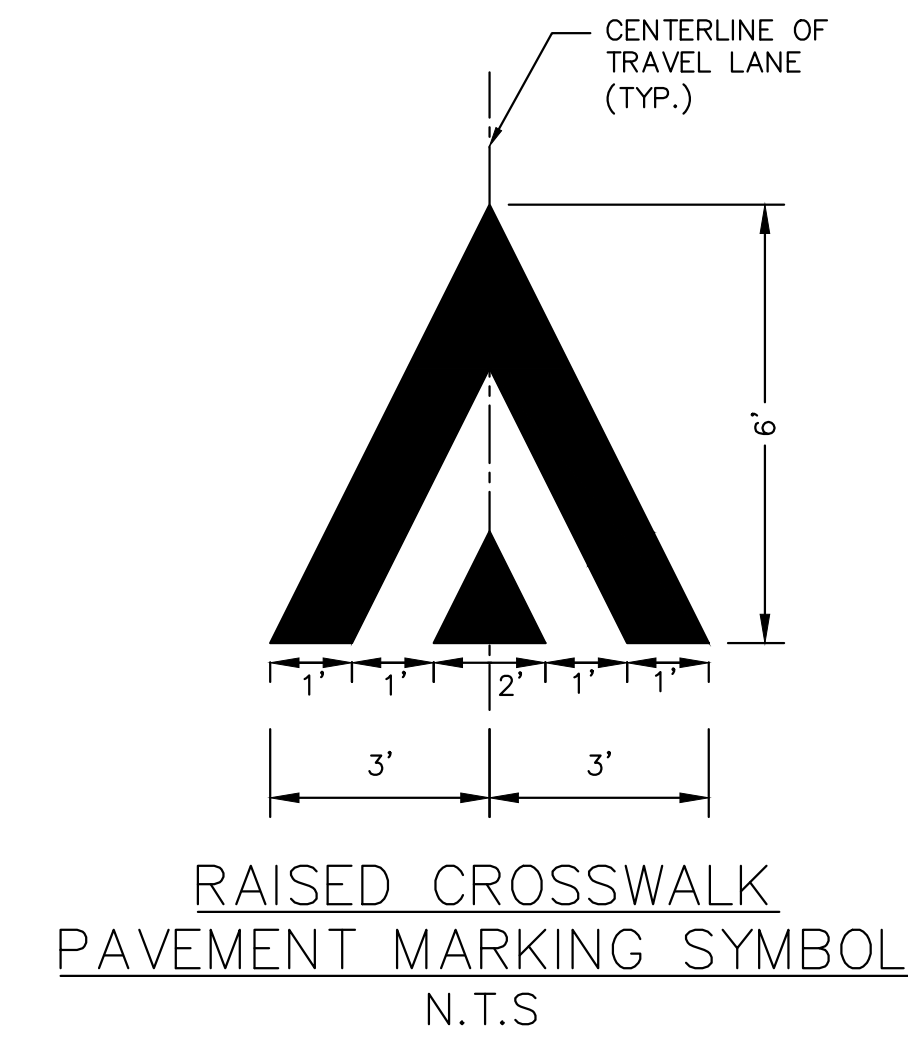


STANDARD
N.T.S.

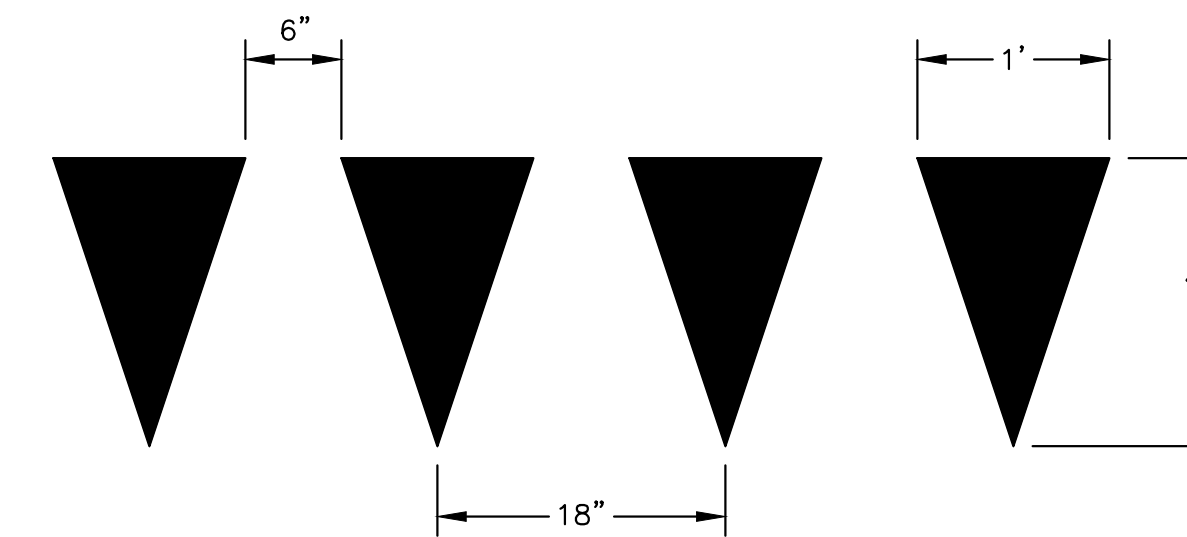
HIGH VISIBILITY CROSSWALK

HIGH VISIBILITY CROSSWALK NOTES:

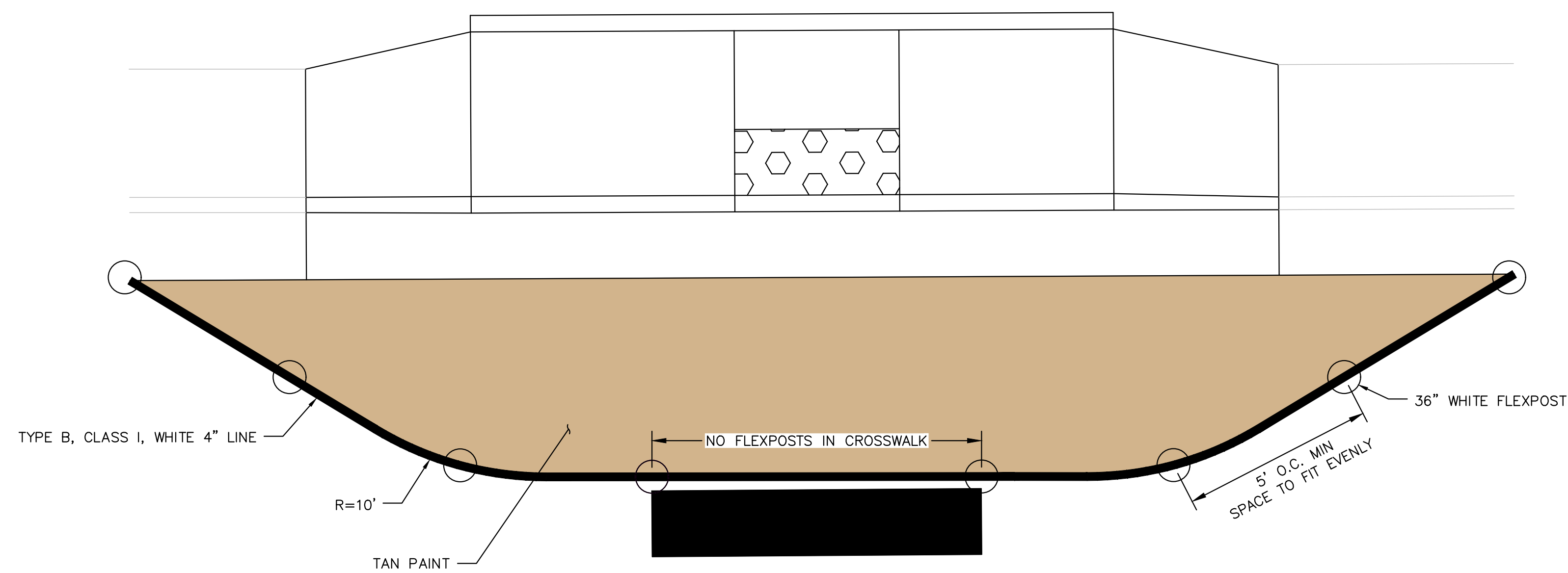
1. ALL TWELVE (12") & TWENTY FOUR INCH (24") THERMOPLASTIC LINES SHALL BE APPLIED IN ONE (1) APPLICATION, NO COMBINATION OF LINES (I.E. TWO - 6" LINES) WILL BE ACCEPTED.
2. LAYOUT OF CROSSWALKS SHALL BE APPROVED BY A CITY OF ALEXANDRIA ENGINEER PRIOR TO APPLICATION.
3. CROSSWALK BARS SHALL BE PLACED OUTSIDE THE VEHICULAR WHEEL PATH WHEREVER POSSIBLE.



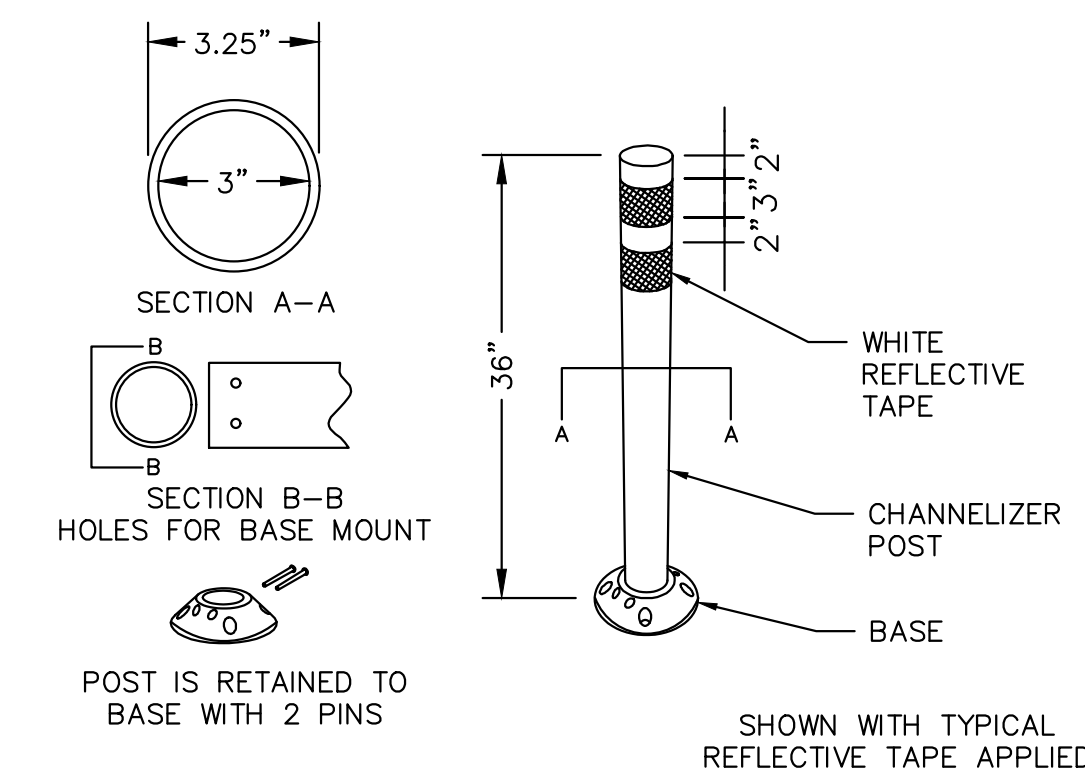
RAISED CROSSWALK
PAVEMENT MARKING SYMBOL
N.T.S.



YIELD LINE MARKING DETAIL
N.T.S.



PAINTED CURB EXTENSION DETAIL
N.T.S.



FLEXPOSE NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. COLOR OF POST SHALL BE WHITE.
4. PER CITY OF ALEXANDRIA SPECS FOR MOUNTED BASE FLEXPOST

36" WHITE FLEXPOST DETAIL
N.T.S.

NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION

60% SUBMITTAL

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS










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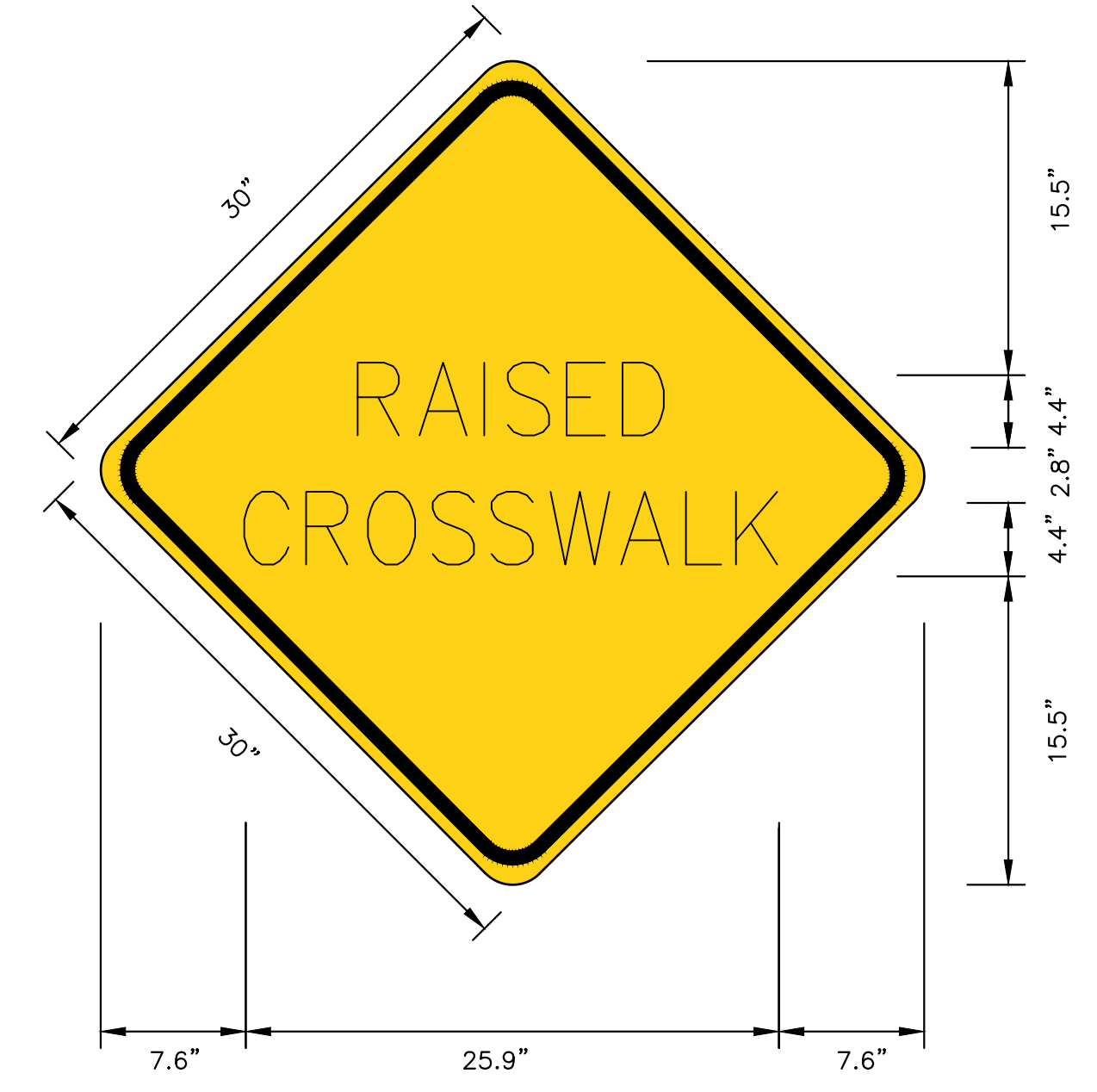
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DATE	

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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS
SIGNING & STRIPING DETAILS

SHEET
18 OF 20
SCALE: N/A

SIGN NO.	SIGN FACE	PANEL SIZE		STANDARD NUMBER	PANEL SIZE S.F.	QUANTITY
		WIDTH	HEIGHT			
1		24"	12"	W16-9P	2	2
2		36"	36"	R1-5	9	2
3		30"	30"	S1-1	6	4
4		30"	30"	CS-RC	6	2
5		24"	12"	W16-7PL	2	6
6		12"	18"	R7-1	1.5	1
7		12"	18"	R7-1(MOD)	1.5	1



RAISED CROSSWALK SIGN (CS-RC)
N.T.S.

- SIGN NOTES:**
- CORNER RADIUS: 1.5"
 - BORDER OFFSET FROM EDGE OF SIGN: 0.375"
 - BORDER THICKNESS: 0.625"
 - TEXT HEIGHT: 4.4"
 - FONT: CLEARVIEW HIGHWAY 2
 - COLORS:
 - BACKGROUND: YELLOW
 - SIGN BORDER AND TEXT: BLACK

NOT APPROVED
60% COMPLETED
FOR CONSTRUCTION

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

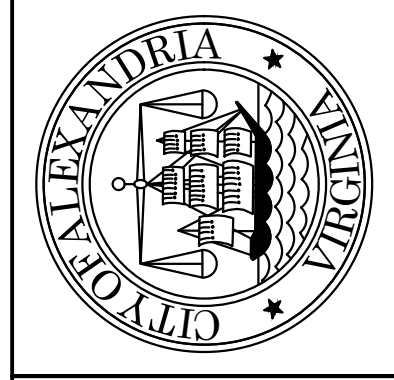
WILLIAM RAMSEY SAFE ROUTES
TO SCHOOL IMPROVEMENTS
SIGN SUMMARY

SHEET
19 OF 20
SCALE: N/A

REVISIONS	DESCRIPTION
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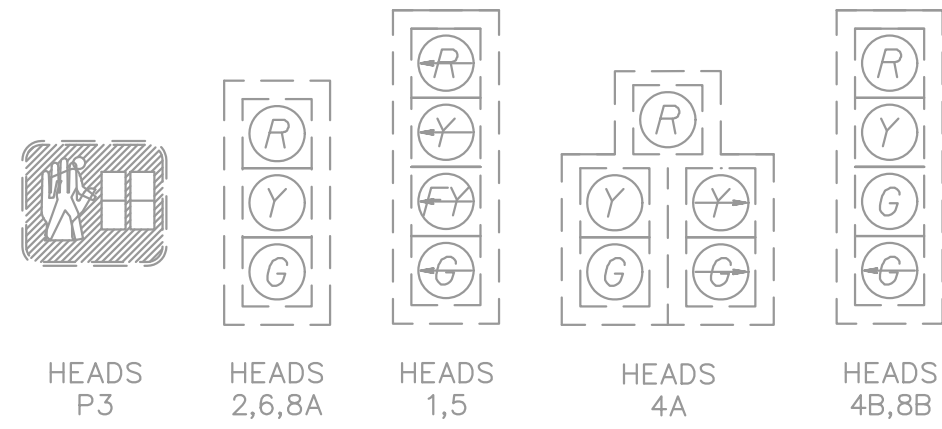
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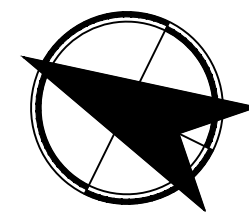


60% SUBMITTAL

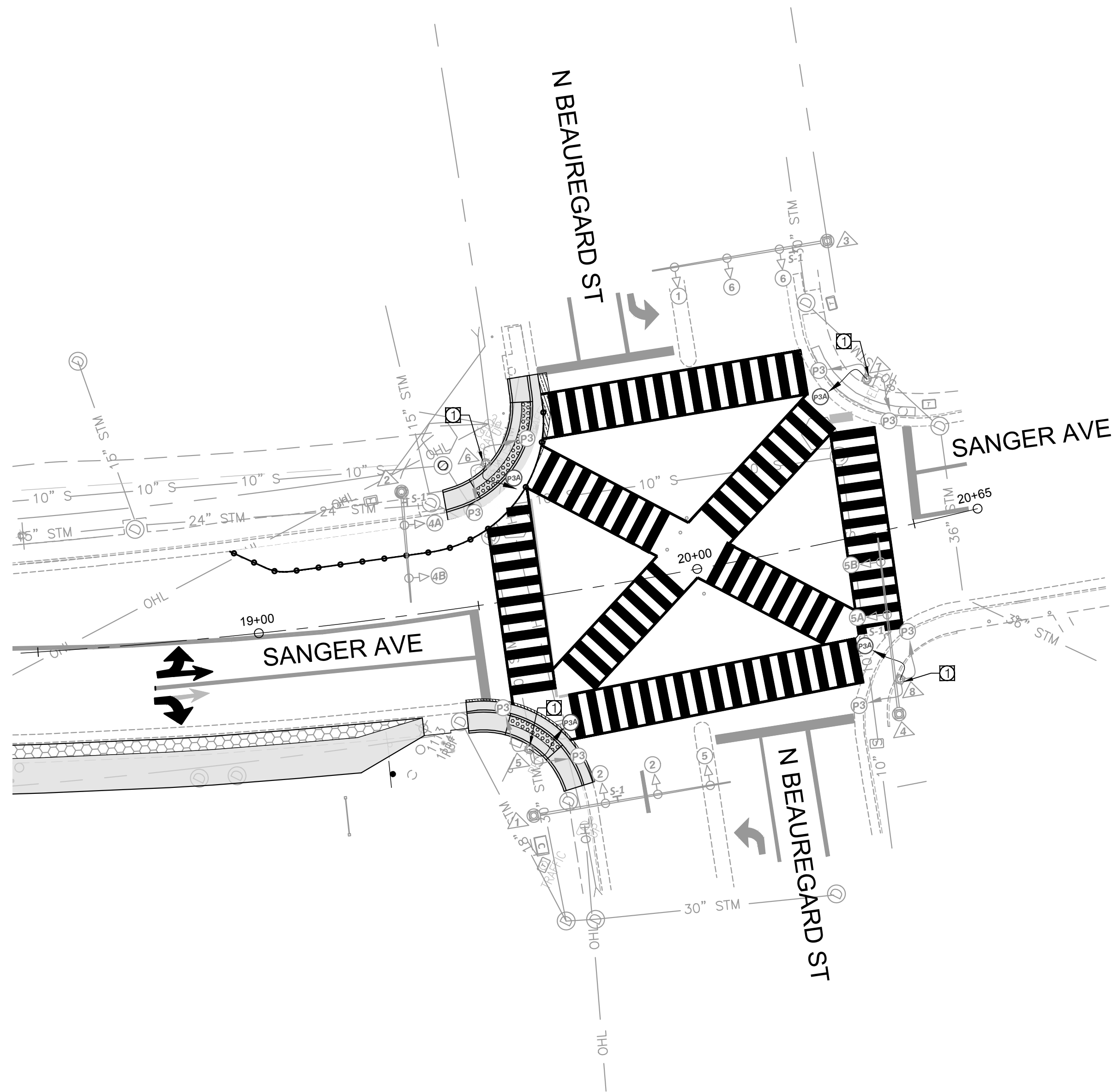
EXISTING SIGNALS (TO REMAIN)



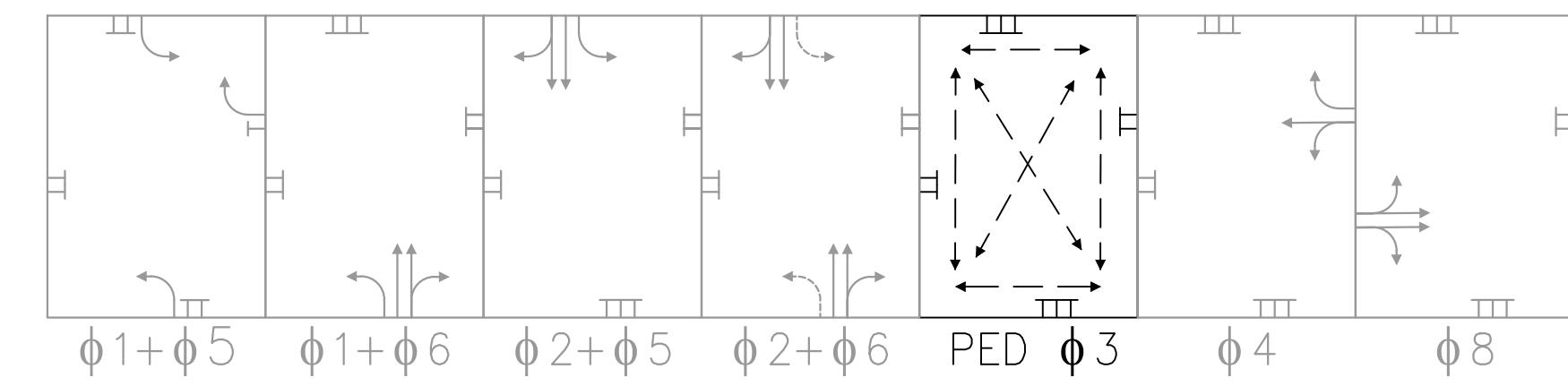
PROPOSED SIGNALS



EXISTING SIGNS (TO REMAIN)



PHASING DIAGRAM



PHASE	1	2	3	4	5	6	7	8	9
MOVEMENT									
PHASE ON	X	X	X	X	X	X		X	
PHASE OFF							X		X
PHASE TIMINGS									
MIN GR	6.0	14.0	0.0	5.0	6.0	14.0			10.0
PASSAGE	2.5	0.0	0.0	3.0	2.0	0.0			2.5
AMBER	3.7	3.7	3.0	3.6	3.7	3.7			3.6
RED	2.1	2.1	0.0	3.0	2.1	2.1			3.0
MAX 1	19.0	60.0	0.0	28.0	26.0	53.0			32.0
MAX 2	12.0	68.0	0.0	19.0	38.0	42.0			25.0
MIN GAP	0.0	0.0	0.0	0.0	0.0	0.0			0.0
TIME BEFORE REDUCTION	0.0	0.0	0.0	0.0	0.0	0.0			0.0
TIME TO REDUCE	0.0	0.0	0.0	0.0	0.0	0.0			0.0
PED WALK	0.0	0.0	8.0	0.0	0.0	0.0			0.0
PED CLEARANCE	0.0	0.0	30.0	0.0	0.0	0.0			0.0
MODE	NON LOCK	MAX	NON LOCK	NON LOCK	NON LOCK	MAX			NON LOCK

COLOR SEQUENCE CHART

PHASE	1	2	3	4	5	6	8	2+6	FLASH
SIGNAL	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	
1	⊕								R
2		G						G	Y
4A				G	⊕				R
4B				G/-G					R
5					⊕			FY	R
6						G		G	Y
8A							G		R
8B							G/-G		R
P3			WALK						BLANK
P3A			WALK						BLANK

NOTE: BLANK SPACES REPRESENT A RED DISPLAY. WALK INDICATION DISPLAYED AFTER PEDESTRIAN CALL IS SERVICED; OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

CONSTRUCTION NOTES:

- 1. SPLICE PROPOSED SIGNAL HEAD 3A WITH EXISTING SIGNAL HEAD 3 WIRE AT THE BASE OF PEDESTRIAN POLE.

GENERAL NOTES:

- EXISTING SIGNAL POLES, PEDESTRIAN POLES, JUNCTION BOXES ARE BASED ON AVAILABLE SURVEY DATA AND INFORMATION OBTAINED DURING SITE VISITS. THESE ITEMS ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED ON THE AVAILABLE INFORMATION.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ANY CONFLICTS BETWEEN THE PLANS AND THE FIELD CONDITIONS AND OBTAIN WRITTEN AUTHORIZATION FROM THE CITY TO DEVIATE FROM THE PLANS TO PROVIDE THE PROPOSED SIGNAL CONFIGURATION SHOWN ON THESE PLANS.
- CONTRACTOR SHALL REMOVE UNUSED SIGNAL CABLE FROM EXISTING CONDUITS IF NO LONGER BEING USED TO OPERATE THE TRAFFIC SIGNAL.
- THESE PLANS ASSUME THAT APPROPRIATE PEDESTRIAN POLES, PEDESTRIAN SIGNAL HEADS, CONDUIT AND JUNCTION BOX GROUNDING IS IN PLACE.

NOT APPROVED
60%
COMPLETED
FOR CONSTRUCTION

60% SUBMITTAL



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WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

WILLIAM RAMSEY SAFE ROUTES TO SCHOOL IMPROVEMENTS

SIGNAL PLAN

SHEET 20 OF 20
SCALE: 1"=20'