

TRAFFIC DATA:
DESIGN SPEED: 20 MPH
ADT:

CITY OF SAULT STE. MARIE, MICHIGAN
IN COOPERATION WITH THE
MICHIGAN DEPARTMENT OF TRANSPORTATION
AND THE FEDERAL HIGHWAY ADMINISTRATION
PLANS FOR IMPROVEMENTS
SAULT STE MARIE SAFE ROUTES TO SCHOOLS
JOB NUMBER: 217177
CONTROL SECTION: STU 17000



LOCATION MAP: NO SCALE



**CITY OF
SAULT STE. MARIE, MI
ENGINEERING DEPARTMENT**

225 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
(906) 632-5700 FAX: (906) 635-5606

CONTRACT FOR:
0.90 MILES OF CONCRETE SIDEWALK, ADA COMPLIANT SIDEWALK CURB RAMPS,
CONCRETE CURB & GUTTER, STORM SEWER, PAVEMENT MARKINGS, PERMANENT
SIGNS, RAPID RECTANGULAR FLASHING BEACONS

CITY OF SAULT STE. MARIE APPROVAL

DAVID S. BOYLE, P.E.

PREPARED UNDER SUPERVISION OF

DAVID S. BOYLE, P.E.
CITY ENGINEER

GENERAL PLAN NOTES

THE IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH SECTION B “NEW CONSTRUCTION/RECONSTRUCTION (4R OF THE) ”MICHIGAN DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAMS GUIDELINES FOR GEOMETRICS ON LOCAL AGENCY PROJECTS, 2017 EDITION AND IN 2012 AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES.”

ALL PERMANENT SIGNINGS AND PAVEMENTS MARKINGS SHALL BE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AS AMENDED.

TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH SECTION 812 OF THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS AMENDED, SUPPLEMENTAL SPECIFICATIONS, AND AS HEREIN SPECIFIED WITHIN THE PLANS.

EXCEPT, WHERE OTHERWISE INDICATED ON THE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2020 EDITION, AND THE CURRENT SUPPLEMENTAL SPECIFICATIONS.

UNDERGROUND UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTACTOR SHALL DIAL 1–800–482–7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED, THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM

SIDEWALK RAMPS

SIDEWALK RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT MDOT STANDARD PLAN R–28 SERIES AND SHALL MEET ALL A.D.A GUIDELINES FOR SLOPES, ETC. HANDICAP WARNING DETECTOR PLATES MUST BE INSTALLED AT ALL SIDEWALK RAMPS. RAMPS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT

SUBGRADE

THE CONTRACTOR SHALL PERFORM THE WORK UTILIZING METHODS THAT WILL NOT CAUSE FAILURE OF THE SUBGRADE WHILE PERFORMING EARTH EXCAVATION, PLACING THE AGGREGATE, PAVING THE PATH, INSTALLING SIDEWALK ADA RAMPS, PERFORMING SLOPE RESTORATION AND ANY OTHER ACTIVITY ON THE PROJECT. DAMAGE TO THE SUBGRADE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT NO COST TO THE OWNER

OPEN EXCAVATION

THE CONTRACTOR SHALL SCHEDULE THE CONSTRUCTION ACTIVITIES TO INSURE THAT NO EXCAVATION REMAINS OPEN THAT WILL BECOME SATURATED DUE TO RAINFALL EVENTS. ALL WORK AREAS SHALL BE GRADED DURING THE WORK TO DIRECT SURFACE RUNOFF FROM THE WORK AREA

PUBLIC UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE. THIS INFORMATION DOES NOT RELIEVE THE CONTACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO IT’S ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

CITY OF SAULT STE. MARIE
WATER/SEWER SERVICE DEPARTMENT
1244 E. EASTERDAY AVENUE
SAULT STE. MARIE, MI 49783
CONTACT PERSON
KIRK TEWS
(906) 632–8981

DTE ENERGY / MICH CON GAS CO.
MAIN OFFICE:
1250 MICH CON LANE, S.W.
PO BOX 279
KALKASKA, MI 49646
CONTACT PERSON
MATT LOGAN
(231) 258–3785

CLOVERLAND ELECTRIC COOPERATIVE
725 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
CONTACT PERSON
PAUL WARNER
906–632–5152
JOHANNA WILTFONG
906–632–5191

AT&T (SBC AMERITECH)
310 W. 7TH AVENUE
SAULT STE. MARIE, MI 49783
MIKE ANDERSON
(906) 632–9901
(906) 440–4478 (CELL)

CHARTER COMMUNICATIONS CO.
359 U.S. 41 EAST
NEGAUNEE, MI 49866
CONTACT PERSON
CRAIG PURPLE
(906) 440–1005 (CELL)

PENINSULAR FIBER NETWORK
9984 WEST STATE STREET
BRIMLEY, MI 49715
CONTACT PERSON
RON DENEVE
(906) 248–3211 (OFFICE)

NOTES APPLYING TO STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD GIVEN BELOW THAT IS OPPOSITE FROM EACH ITEM, UNLESS OTHERWISE INDICATED BY THE ENGINEER

DRAINAGE STRUCTURES R–1–G

COVER G R–12–E

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS R–28–J

DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS R–29–I

CONCRETE CURB & CONCRETE CURB & GUTTER R–30–G

UTILITY TRENCHES R–83–C

PRECAST CONCRETE END SECTION FOR PIPE CULVERT R–86–F

STEEL END SECTION R–88–E
(SPECIAL DETAIL)

SOIL EROSION & SEDIMENTRATION CONTROL MEASURES R–96–E

TRAFFIC AND SAFETY STANDARD PLANS

STANDARD SIGN INSTALLATION SIGN–100–G

STEEL POSTS SIGN–200–E

GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS WZD–100–A

TEMPORARY TRAFFIC CONTROL DEVICES WZD–125–E

100–GEN–KEY 100–GEN–KEY

TABLES FOR "L", "D", AND "B" VALUES 101–GEN–SPACING–CHARTS

TRAFFIC CONTROL TYPICALS NOTE SHEET 102–GEN–NOTES

TRAFFIC CONTROL TYPICALS SIGN SHEET 103–GEN–SIGN

LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2 – LANE UNDIVIDED HIGHWAY 110–TR–NFW–2L

NOTES APPLYING TO SIGNAL STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD GIVEN BELOW OPPOSITE EACH ITEM UNLESS EACH ITEM UNLESS OTHERWISE INDICATED BY THE ENGINEER

PEDESTAL FOUNDATIONS SIG–070–A

PEDESTAL MOUNTING DETAILS SIG–331–A

SIGN MOUNTED BEACON SIG–320–A

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS

1 LSUM MOBILIZATION, MAX
500 FT PEDESTRIAN PATH, TEMP
10 EA PEDESTRIAN RAMP, TEMP
74 EA SIDEWALK RAMP GRADING

THE FOLLOWING ITEMS OF WORK ARE ESTIMATED FOR PATH PERMANENT SIGNING WHERE DESIGNATED BY THE ENGINEER. (SEE CONSTRUCTION SHEETS FOR PLACEMENT)

THE FOLLOWING ITEMS OF WORK ARE ESTIMATED FOR MAINTAINING TRAFFIC WHERE DESIGNATED BY THE ENGINEER.

1 LSUM MINOR TRAF DEVICES
4 EA BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED LIGHTED, FURN
4 EA BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED LIGHTED, OPER
30 EA PLASTIC DRUM, HIGH INTENSITY, FURN
30 EA PLASTIC DRUM, HIGH INTENSITY, OPER
304 SFT SIGN, TYPE B, TEMP, FURN
304 SFT SIGN, TYPE B, TEMP, OPER
2 EA LIGHTED ARROW, TYPE C, FURN
2 EA LIGHTED ARROW, TYPE C, OPER
50 EA PEDESTRIAN TYPE II BARRICADE, TEMP

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION



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ENGINEERING DEPARTMENT
225 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
(906) 632-6700 FAX: (906) 635-6606

NO SCALE

FILE: 02_SR2S_NOTES

DRAWN BY: LJM

APPROVED BY: DSB

DATE: 8/24/2023

CS: STU 17000

JN: 217177

SSM SAFE ROUTES TO SCHOOLS

NOTE SHEET

NOTES 2

SURVEY

GENERAL

- △ ALIGNMENT POINT MONUMENT
- ⊗ MONUMENT BOX

CONTROL

- △^{CP} CONTROL POINT
- ⊞^{BM} BENCHMARK
- △ REFERENCE - GPS
- △ REFERENCE - NGS
- ⊕ REFERENCE - USGS

BOUNDARY

- _____ CITY LIMIT - MAP
- _____ CITY LIMIT
- _____ PARCEL - LEGAL
- _____ PARCEL - NON-LEGAL
- _____ PLAT - LEGAL
- _____ PLAT - NON-LEGAL
- _____ ROW - FREE ACCESS
- _____ ROW - LIMITED ACCESS
- _____ SECTION LINE
- _____ SECTION LINE - QUARTER
- _____ SECTION LINE - EIGHTH
- _____ SECTION LINE - SIXTEENTH
- _____ TOWNSHIP LINE (MAP)
- ▣ CONCRETE MONUMENT
- ↘ CONTIGUOUS PROPERTY SYMBOL
- PARCEL CORNER - CAPPED IRON
- PARCEL CORNER - IRON PIN
- ⊙ PARCEL CORNER - IRON PIPE
- PARCEL CORNER - NO ID
- ▬ PARCEL NUMBER BOX
- ▣ PLAT CORNER
- ↗ PROPERTY OWNERSHIP ARROW
- ↗ PROPERTY OWNERSHIP ARROW - DOUBLE
- ▣^{ROW} ROW MONUMENT
- ◆ SECTION CORNER - CENTER
- ⊕ SECTION CORNER - MEANDER
- ◆ SECTION CORNER - QUARTER
- ▲ SECTION CORNER - QUARTER-HALF
- ◆ SECTION CORNER - SECTION
- ▲ SECTION CORNER - SECTION-HALF
- SECTION CORNER - SIXTEENTH
- ⊞ SECTION CORNER - WITNESS

MONUMENT PRESERVATION

- PRESERVE** PRESERVE MONUMENT
- PROTECT** PROTECT MONUMENT

GENERAL LABELING

GENERAL

- ➡ LEFT TURN ARROW
- ➡ TRAFFIC FLOW ARROW

REMOVAL

- (A) ABANDON
- (B) BULKHEAD
- (C) CLEARING
- (R) REMOVE
- (SALV) SALVAGE
- (S) SAVE

CONSTRUCTION

- (ADJ) ADJUST
- (ADJ-B) ADJUST - STRUC COVER WITH TYPE
- (ADJ-B/O) ADJUST - BY OTHERS

REMOVAL AND CONSTRUCTION

- (REL-1) RELOCATE - WITH CASE NUMBER
- (REL-B/O) RELOCATE - BY OTHERS

CONSTRUCTION LIMITS

- _____ SLOPE STAKE LINE

BORINGS

- ⊗^{BH#} BORING

STRUCTURES

- BEAM UNDERCLEARANCE
- REFERENCE POINT
- S01 OF 12345** STRUCTURE NO. + CONTROL SEC. LABEL

VEGETATION

- _____ BRUSH LINE
- _____ HEDGE LINE
- _____ TREE LINE - CANOPY OR TRUNK
- _____ TREE LINE - TRUNK
- ↘^{TRUNK LINE}
- ⊗ SHRUBTREE
- ☆ CONFERTREE
- ☼ DECIDUOUS TREE
- ⌵ STUMP

ENVIRONMENTAL

- _____ EROSION CONTROL - SILT FENCE
- _____ WETLAND - LEGAL
- _____ WETLAND - NON-LEGAL
- CONTAMINATION - MONITORING WELL
- EROSION CONTROL NUMBER
- ⊞ EROSION CONTROL - RIPRAP
- _____ W.T. 12' WATER TABLE - PLAN NOTE
- ☼ WETLAND - SPOT EL
- ⊕ POTENTIALLY CONTAMINATED SITE

ROADSIDE / SITE

- ⊗ ANTENNA
- ⊗ BIG ROCK
- ⌵ FLAG POLE
- PICNIC STOVE
- ▣ PICNIC TABLE
- ⌵ SATELLITE DISH

RAILROAD

- _____ TRACK
- ⌵ CROSSING - GATE
- ▣^{RR} CROSSING - SIGNAL BOX
- ⌵^{RR} CROSSING - SIGNAL FLASHING
- ➡^{RR} CROSSING - SYMBOL

SIGNS

- ⌵ POST - DOUBLE
- ⌵ POST - SINGLE
- _____ ● STRUCTURE - CANTILEVER (EXISTING)
- _____ ● STRUCTURE - CANTILEVER
- _____ ● STRUCTURE - TRUSS (EXISTING)
- _____ ● STRUCTURE - TRUSS
- ▣^{SS} SUSPENDE (EXISTING)

MAINTAINING TRAFFIC

- ⌵ TYPE III BARRICADE
- _____ CHANNELIZING DEVICE - CONE
- _____ CHANNELIZING DEVICE - DRUM
- ⊕ LIGHT - HIGH INTENSITY TYPE B
- LIGHT - STEADY BURN TYPE C
- ☼ LIGHTED ARROW PANEL - BAR
- ☼ LIGHTED ARROW PANEL
- ☼ PORTABLE CHANGEABLE MESSAGE SIGN
- ⌵ TRAFFIC REGULATOR
- ⌵ TEMPORARY SIGN
- ⌵ TEMPORARY TRAFFIC SIGNAL
- ▣ WORK AREA

BARRIERS

- _____ CABLE BARRIER - NOT TO SCALE
- _____ CABLE BARRIER - TRUE SCALE
- _____ CONCRETE BARRIER - DOUBLE FACE
- _____ CONCRETE BARRIER - SINGLE FACE
- _____ FENCE
- _____ GUARDRAIL - NOT TO SCALE
- _____ GUARDRAIL - TRUE SCALE
- _____ NOISE BARRIER
- ◇ FENCE POST
- ➡ GUARD RAIL RUN NUMBER
- ☼ IMPACT ATTENUATOR POST -
- ⌵ MAILBOX POST
- NO ID

SURFACING

REMOVAL

- 4 CONCRETE RUBBLIZING OR HMA CRUSH & SHAPE
- HMA COLDMILLING
- HMA SURFACE REMOVAL AND PAVEMENT REMOVAL

PROPOSED

- 1 AGGREGATE APPROACH
- BRIDGE APPROACH
- HMA APPROACH
- MISCELLANEOUS CONCRETE

SIDEWALK

- SIDEWALK - REMOVAL
- SIDEWALK - CONCRETE RAMP
- SIDEWALK - DETECT. WARNING SURF.
- SIDEWALK - LANDING
- SWR-F** SIDEWALK - RAMP LABEL

TYPICAL SECTION

- CONCRETE - PROPOSED
- HMA - PROPOSED

CURB & GUTTER

- _____ CURB & GUTTER REMOVAL

NOTE:

- EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
- PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)									CITY OF SAULT STE. MARIE, MI ENGINEERING DEPARTMENT 225 EAST PORTAGE AVENUE SAULT STE. MARIE, MI 49783 (906) 635-5700 FAX: (906) 635-6606	NO SCALE		DRAWN BY: LJM	JN: 217177	LEGEND		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					APPROVED BY: DSB	CS: STU 17000	SAFE ROUTES TO SCHOOLS		LEGEND	3
												FILE: XXXXX_UTIL_MERIDIAN_PHASE_1.DWG	DATE: 8/24/2023				

UTILITIES

COMBINED SEWER

- COMBINED SEWER
- COMBINED SEWER - OUT OF SERVICE
- COMBINED SEWER - TO BE TAKEN OUT OF SERVICE
- COMBINED SEWER - TO BE REMOVED

COMMUNICATION

- FIBER OPTIC
- FIBER OPTIC - OUT OF SERVICE
- FIBER OPTIC - OVERHEAD
- FIBER OPTIC MARKER
- CABLE
- CABLE - OUT OF SERVICE
- CABLE - OVERHEAD
- CABLE MARKER
- CABLE PEDESTAL
- TELEPHONE
- TELEPHONE - OUT OF SERVICE
- TELEPHONE - OVERHEAD
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL

FUEL / PETROLEUM

- GASOLINE FILLER PIPE
- GASOLINE PUMP
- GASOLINE UNDERGROUND TANK
- PETROLEUM PIPELINE
- PETROLEUM PIPELINE - OUT OF SERVICE
- PETROLEUM PIPELINE MARKER
- PETROLEUM WELL
- PROPANE TANK

NATURAL GAS

- GAS LINE
- GAS LINE - OUT OF SERVICE
- MARKER
- VALVE
- WELL

SANITARY SEWER

- MANHOLE WITH COVER (DIA VARIES)
- SEWER
- SEWER - OUT OF SERVICE
- SEWER - TO BE TAKEN OUT OF SERVICE
- SEWER - TO BE REMOVED

WATER

- FIRE HYDRANT
- GATE VALVE AND BOX
- GATE VALVE IN WELL
- IRRIGATION CONTROL VALVE
- IRRIGATION SPRINKLER HEAD
- SERVICE METER
- SERVICE SHUTOFF
- WATER WELL
- IRRIGATION
- WATER MAIN
- WATER MAIN - OUT OF SERVICE
- WATER MAIN - TO BE TAKEN OUT OF SERVICE
- WATER MAIN - TO BE REMOVED

STEAM

- STEAM
- STEAM - OUT OF SERVICE

GENERIC EXISTING UTILITIES

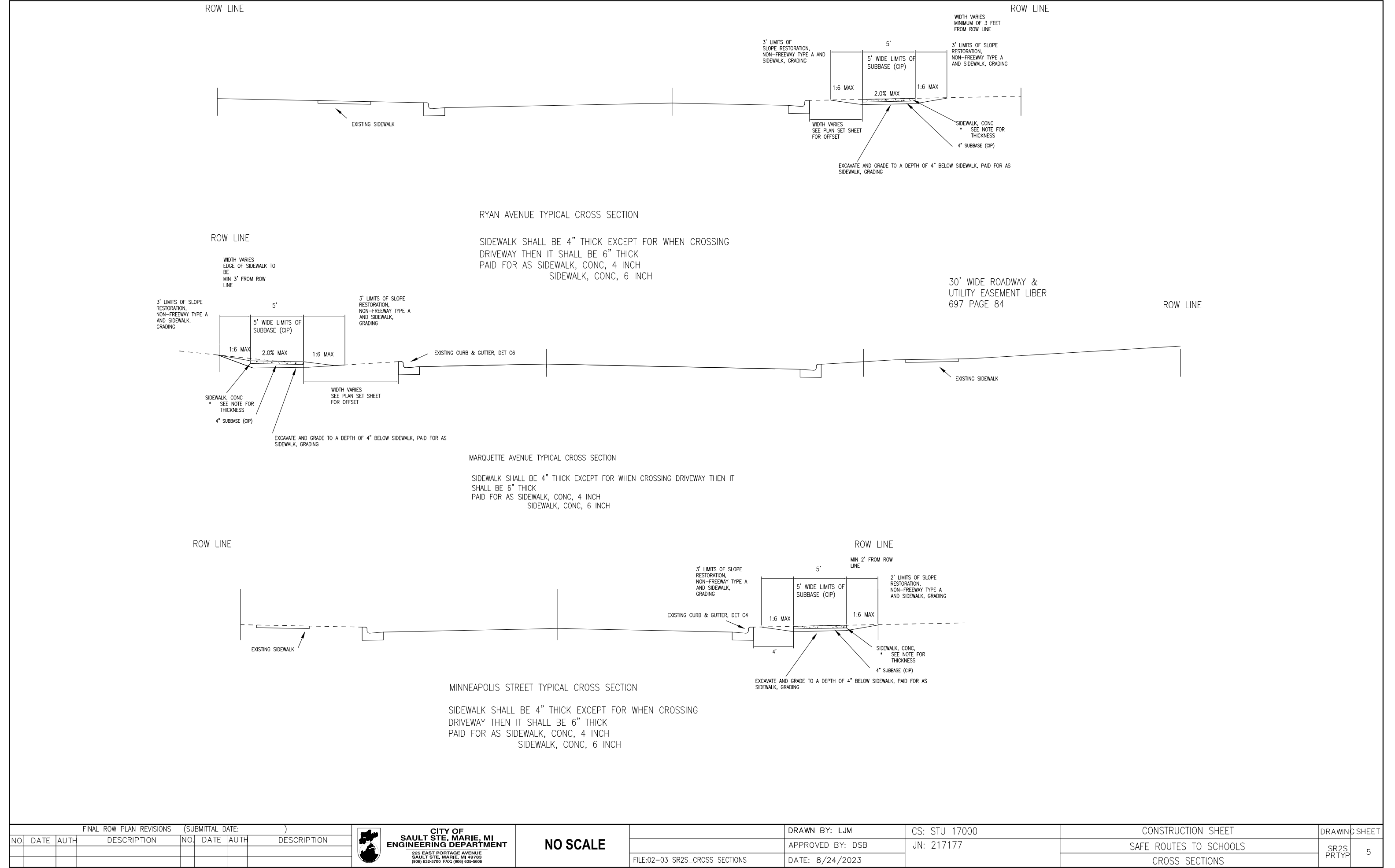
- CATCH BASIN COVER
- MANHOLE COVER
- MARKER
- PEDESTAL
- SEWER CLEANOUT ACCESS
- STRUCTURE BOTTOM (DIA VARIES)
- UTILITY BOX
- UTILITY

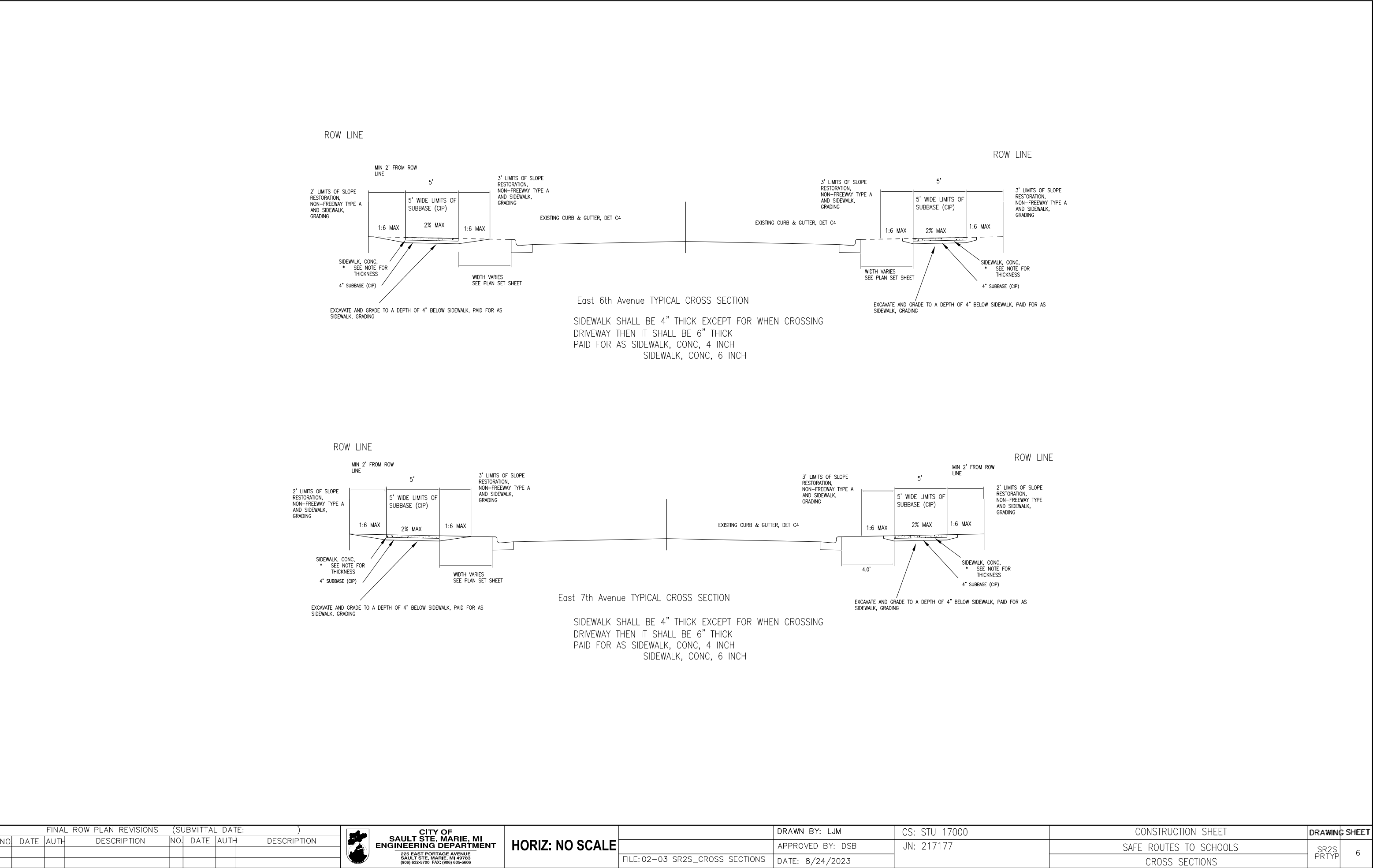
DRAINAGE

- CATCH BASIN W/ COVER (DIA VARIES)
- DRAINAGE STRUCTURE NUMBER
- DRAIN CASTING
- DROP INLET
- END SECTION (SIZE VARIES)
- FLOW DIRECTION ARROW
- HEADWALL (SIZE VARIES)
- MANHOLE W/ COVER (DIA VARIES)
- MANHOLE BASE W/ COVER (SIZE VARIES)
- MANHOLE TEE W/ COVER (SIZE VARIES)
- OUTLET HEADWALL (SIZE VARIES)
- CULVERT - EXISTING
- CULVERT (SIZE VARIES)
- DITCH CENTERLINE
- STORM SEWER - EXISTING
- STORM SEWER
- STORM SEWER - TO BE REMOVED
- UNDERDRAIN
- WATER EDGE

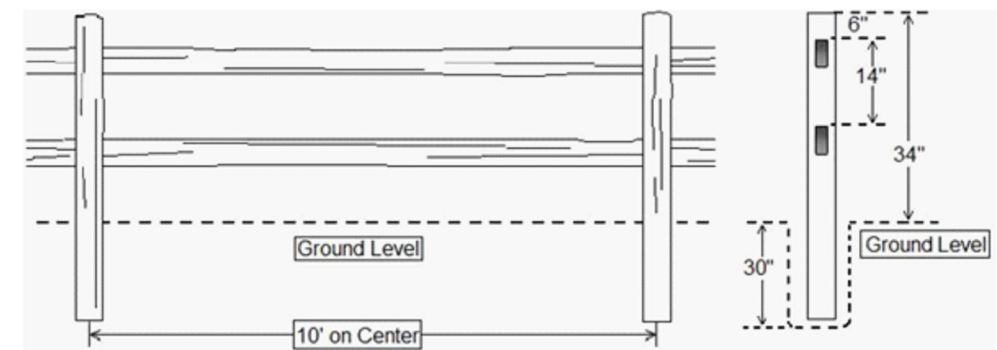
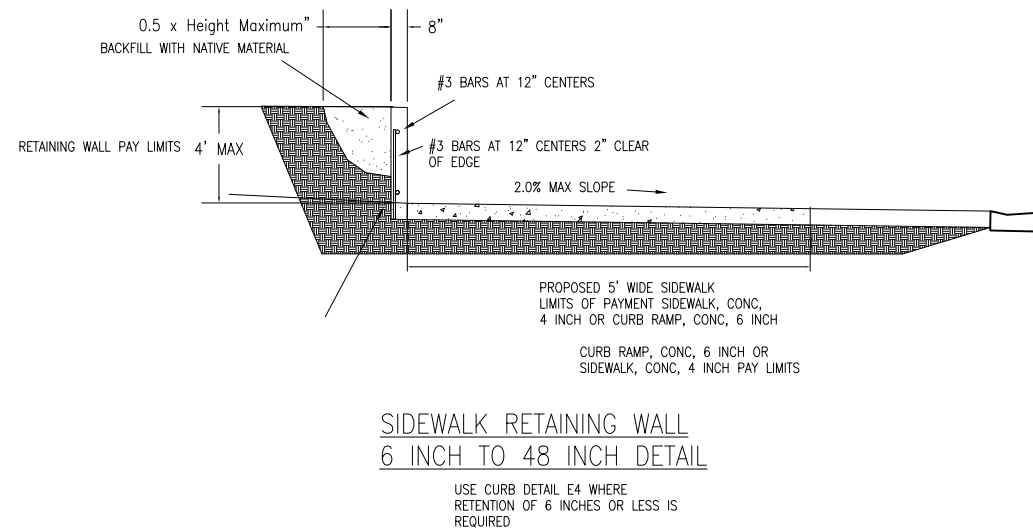
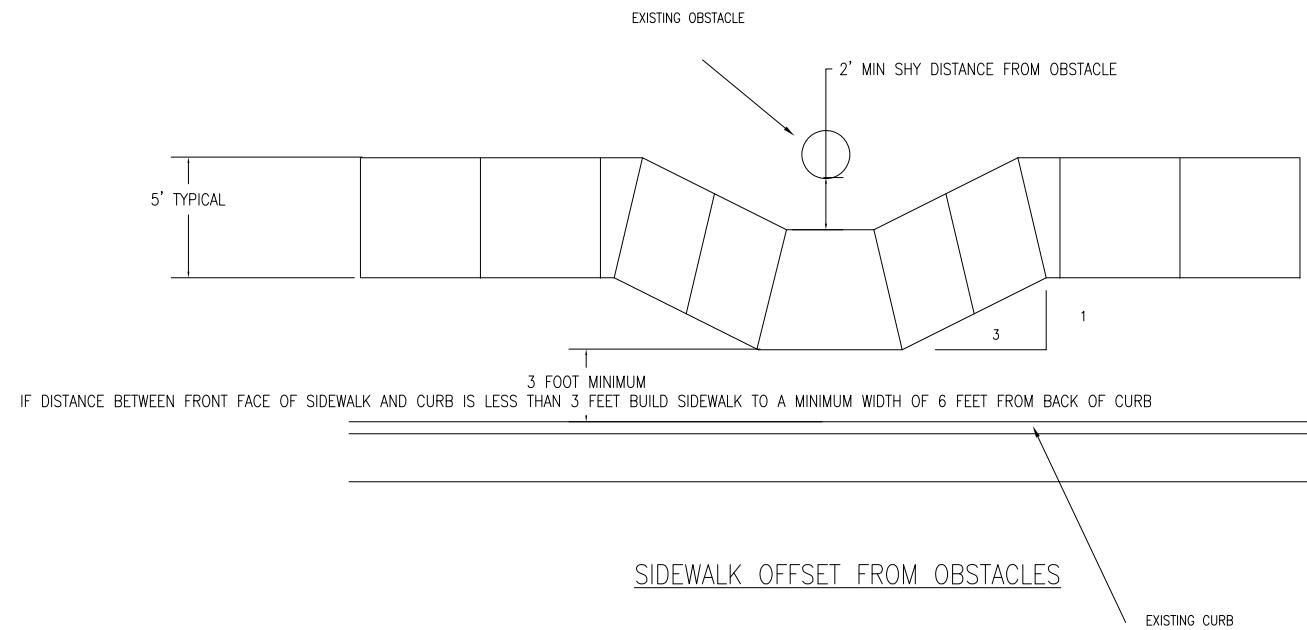
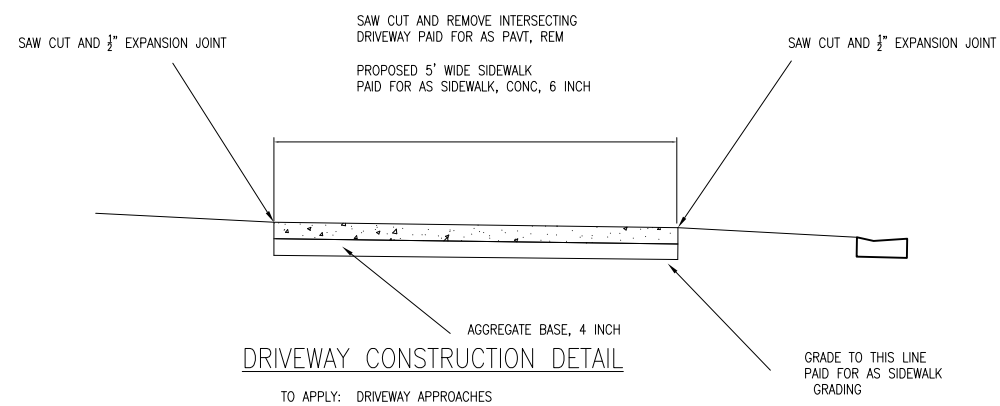
NOTE:

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NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION				APPROVED BY: DSB	JN: 217177	SAFE ROUTES TO SCHOOLS		SR2S PRTYP	6
										FILE: 02-03 SR2S_CROSS SECTIONS	DATE: 8/24/2023		CROSS SECTIONS			

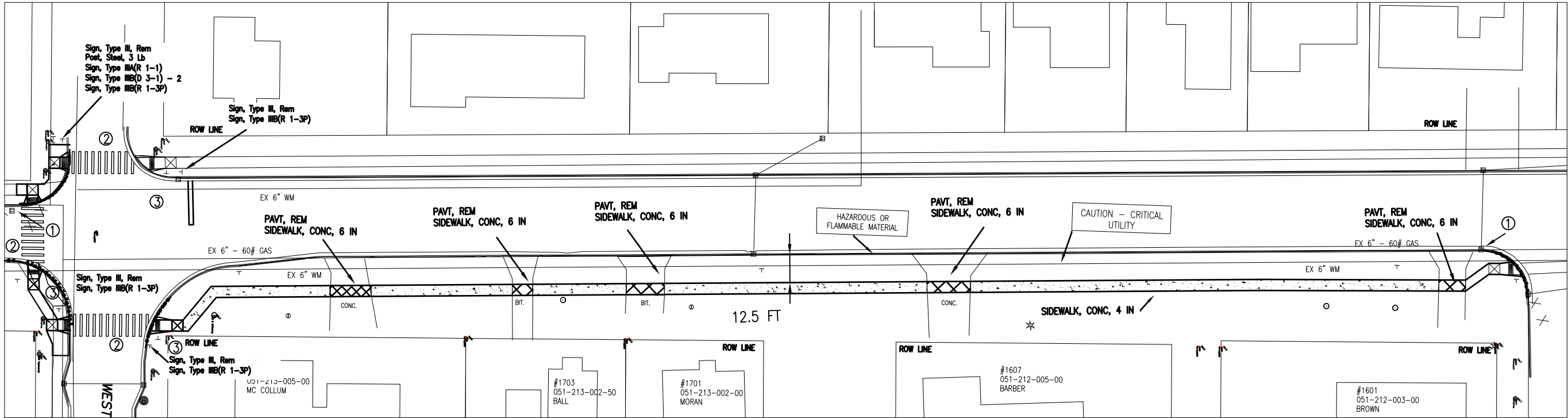


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												FILE: 04_SR2S_DETAILS	DATE: 08/24/2023				DETAILS





RYAN AVENUE



WEST 8TH AVENUE

Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	115	Ft
Pavt, Rem	85	Syd
Sidewalk, Rem	45	Syd
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Dr Structure Cover, Adj, Case 1	2	Ea
Subbase, CIP	40	Cyd
Hand Patching	10	Ton
Aggregate Base, 4 Inch	145	Syd
Sidewalk Grading	480	Syd
Slope Restoration, Non-Freeway, Type A	320	Syd
Gate Box, Adj, Case 1	2	Ea

- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

② RECESSING PAVT MRKG, TRANSVERSE
PAVT MRKG, THERMOPL, 12 INCH,
CROSSWALK
- ③ POST, STEEL, 3 LB
SIGN, TYPE IIIB (W 11-2)
SIGN, TYPE IIB (W 16-7P)

WEST 6TH AVENUE

Description	QTY	UNIT
Detectable Warning Surface	35	Ft
Sidewalk, Conc, 4 Inch	2290	SFt
Sidewalk, Conc, 6 Inch	340	SFt
Curb Ramp Opening, Conc.	130	Ft
Sign, Type III, Rem	7	Ea
Sign, Type IIIA	9	Sft
Sign, Type IIIB	51	Sft
Post, Steel, 3 pound	55	Ft
Pavt Mrkg, Thermopl, 12 Inch, Crosswalk	360	Ft
Recessing Pavt Mrkg, Transv	360	Ft

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HORIZ: 1" = 50'
VERT. 1" = 5'

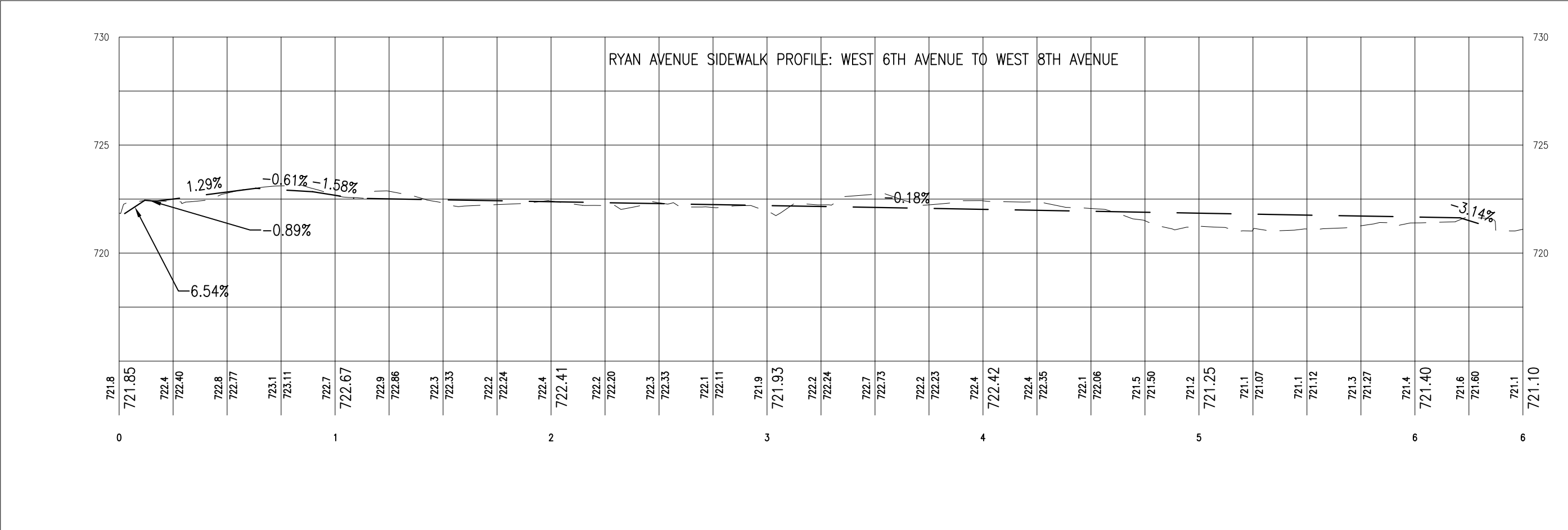
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APPROVED BY: DSB
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CS: STU 17000
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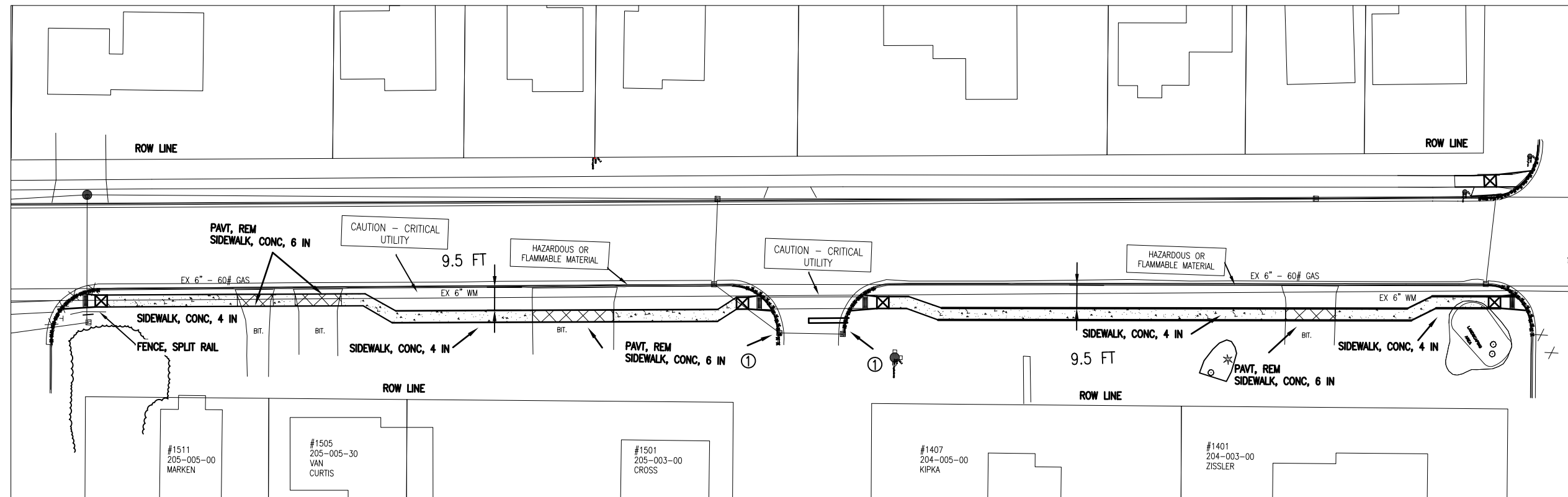
CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
RYAN AVENUE: WEST 6TH AVE TO WEST 8TH AVE

DRAWING	SHEET
SR2S CONST 1	9



RYAN AVENUE

WEST 4TH AVENUE



WEST 6TH AVENUE

WEST 5TH AVENUE

① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
Dr Structure Cover, Adj, Case 1

WEST 4TH AVENUE

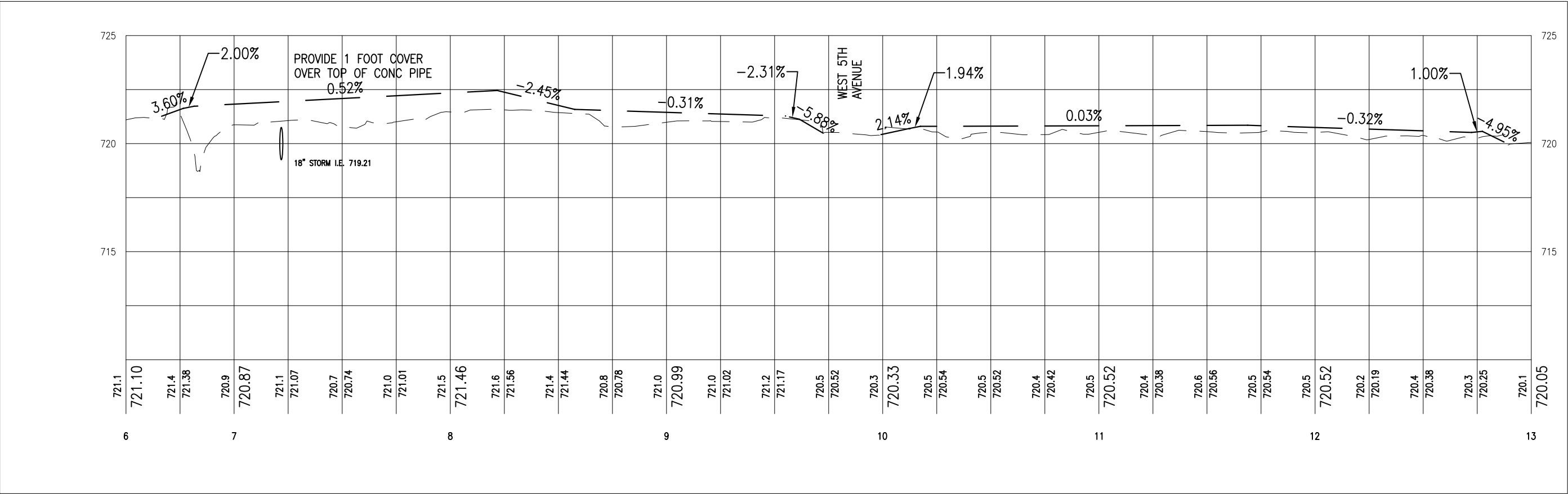
Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	160	Ft
Pavt, Rem	110	Syd
Sidewalk, Rem	30	Syd
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Subbase, CIP	30	Cyd
Dr Structure Cover, Adj, Case 1	2	Ea
Hand Patching	10	Ton
Aggregate Base, 4 Inch	90	Syd
Sidewalk Grading	550	Syd
Slope Restoration, Non-Freeway, Type A	365	Syd

Description	QTY	UNIT
Detectable Warning Surface	25	Ft
Sidewalk, Conc, 4 Inch	2175	SFt
Sidewalk, Conc, 6 Inch	430	SFt
Curb Ramp Opening, Conc.	130	Ft
Fence, Split Rail	20	Ft

RYAN AVENUE SIDEWALK PROFILE: WEST 6TH AVENUE TO WEST 8TH AVENUE



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION



CITY OF
SAULT STE. MARIE, MI
ENGINEERING DEPARTMENT
225 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
(906) 632-6700 FAX: (906) 635-6606

HORIZ: 1" = 50'
VERT. 1" = 5'

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	APPROVED BY: DSB	JN: 217177
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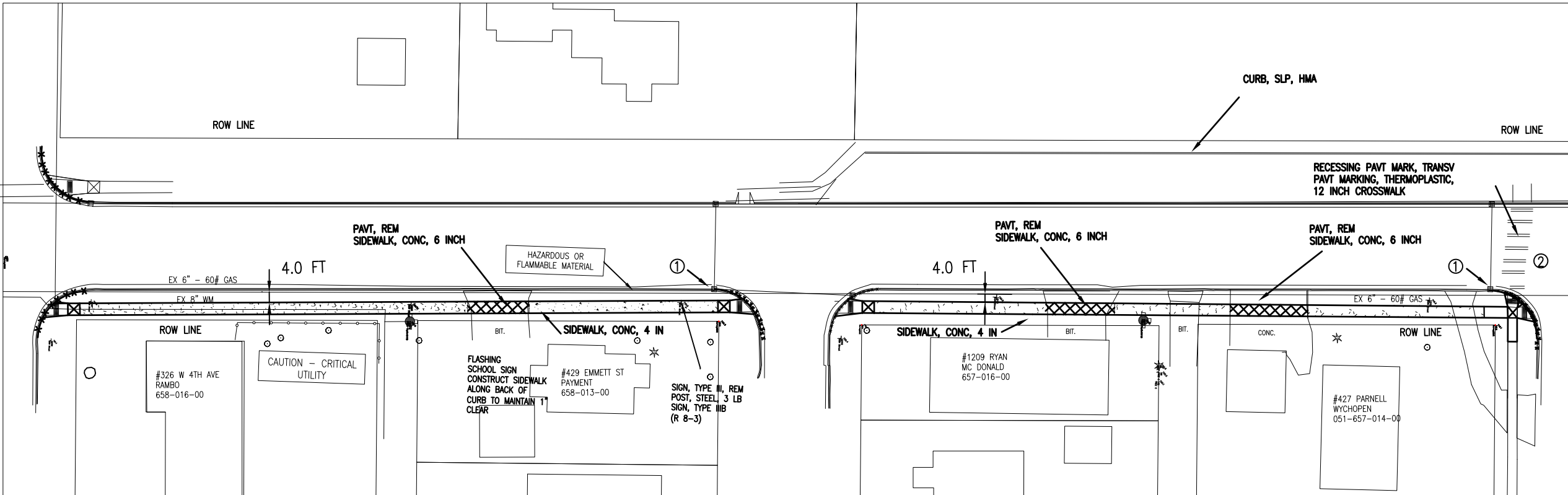
PROFILE SHEET
SAFE ROUTES TO SCHOOLS
RYAN AVENUE: WEST 4TH AVE TO WEST 6TH AVE

DRAWING	SHEET
SR2S PROF 2	12

WEST 4TH
AVENUE



RYAN
AVENUE



WEST 4TH
AVENUE

EMMETT
STREET

PARNELL
STREET

Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	130	Ft
Pavt, Rem	155	Syd
Sidewalk, Rem	15	Syd
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Dr Structure Cover, Adj, Case 1	2	Ea
Subbase, CIP	35	Cyd
Hand Patching	10	Ton
Detectable Warning Surface	30	Ft
Aggregate Base, 4 Inch	165	Syd
Sidewalk Grading	395	Syd
Slope Restoration, Non-Freeway, Type A	260	Syd

- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
Dr Structure Cover, Adj, Case 1
- ② RECESSING PAVT MRKG, TRANSVERSE
PAVT MRKG, THERMOPL, 12 INCH,
CROSSWALK
- ③ YIELD TO PEDESTRIANS SIGN

Description	QTY	UNIT
Sidewalk, Conc, 4 Inch	1820	SFt
Sidewalk, Conc, 6 Inch	625	SFt
Curb Ramp Opening, Conc.	130	Ft
Curb, Slp, HMA	150	Ft
Sign, Rem	1	Ea
Post, Steel, 3 Lb	11	Ft
Sign, Type IIB	1	Sft
Pavt Mrkg, Thermopl, 12 Inch, Crosswalk	120	Ft
Recessing Pavt Mrkg, Transv	120	Ft

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)			
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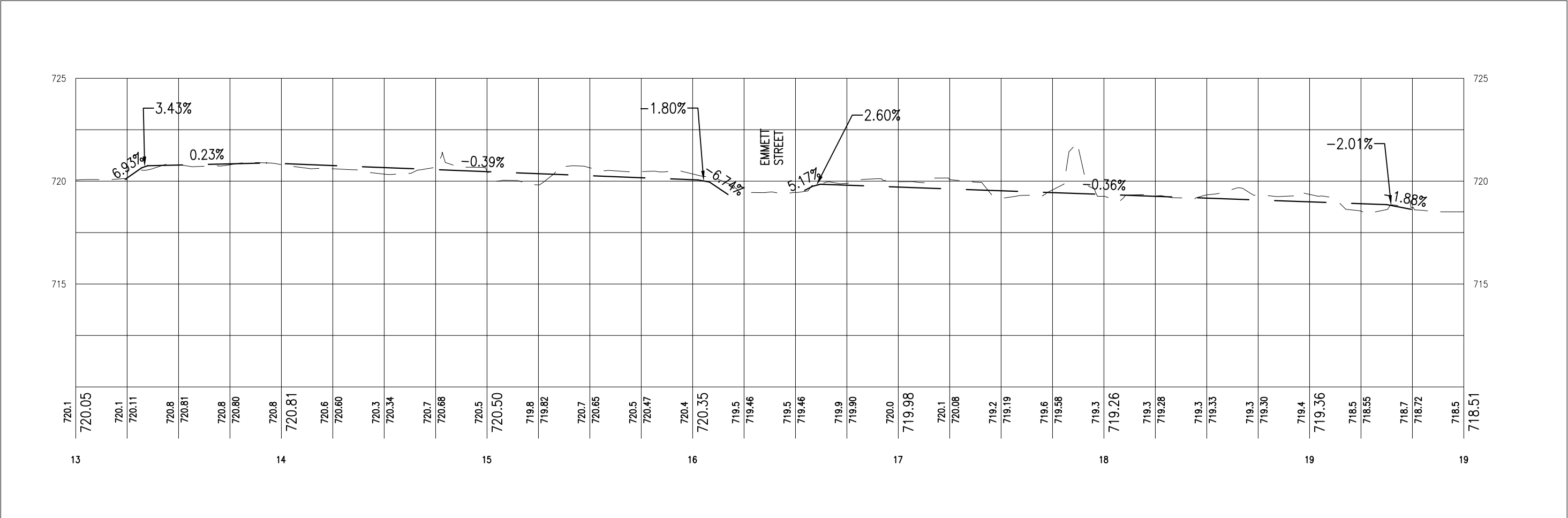
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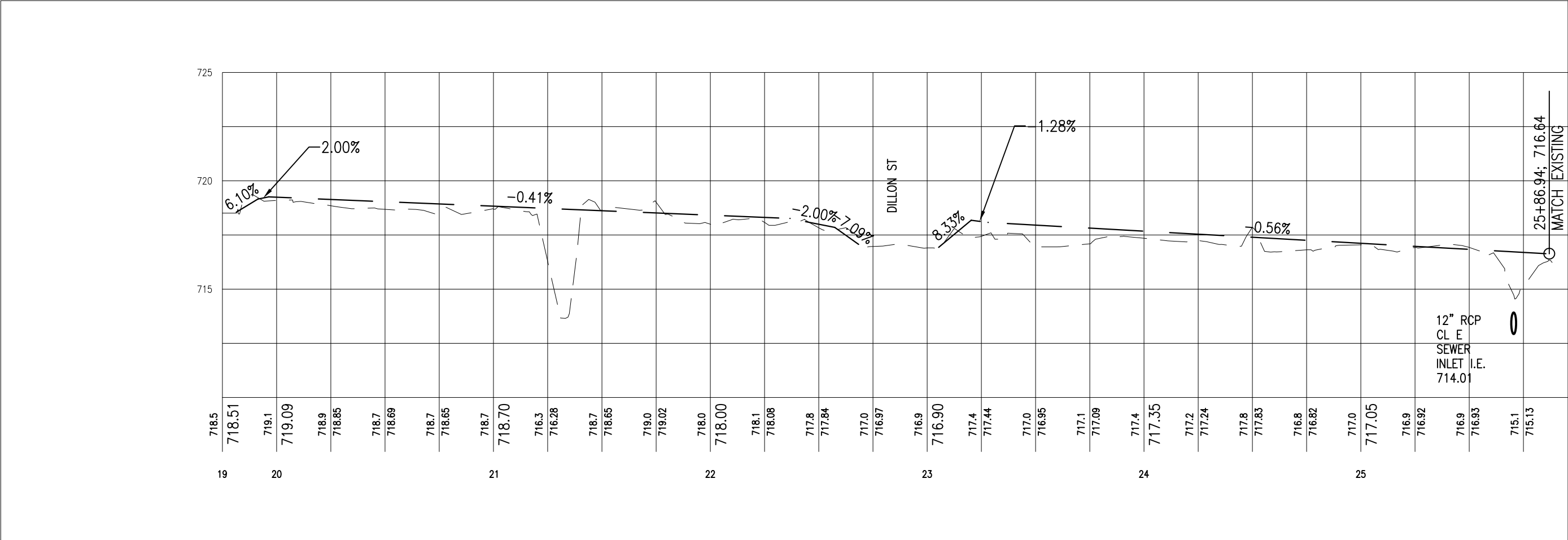
CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
RYAN AVENUE: PARNELL ST TO WEST 4TH AVENUE

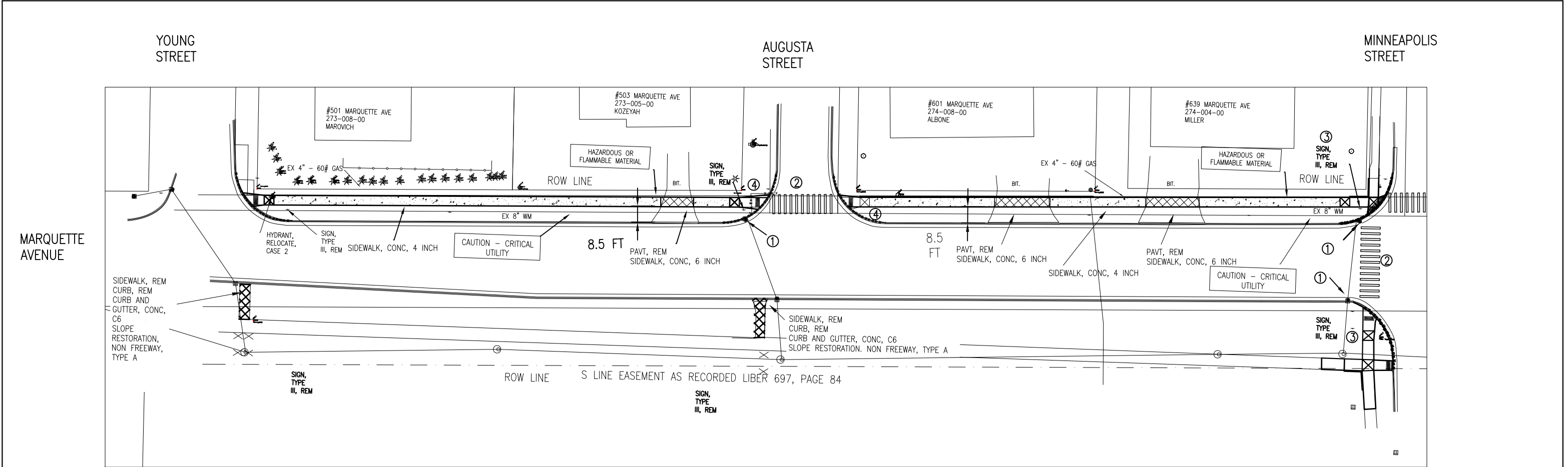
DRAWING	SHEET
SR2S CONST 3	13

RYAN AVENUE SIDEWALK PROFILE: WEST 4TH AVENUE TO PARNELL ST



RYAN AVENUE SIDEWALK PROFILE: PARNELL STREET TO WEST EASTERDAY AVENUE





Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	180	Ft
Pavt, Rem	45	Syd
Sidewalk, Rem	75	Syd
Erosion Control, Inlet Protection, Fabric Drop	3	Ea
Dr Structure Cover, Adj, Case 1	3	Ea
Subbase, CIP	30	Cyd
Hand Patching	10	Ton
Aggregate Base, 4 Inch	90	Syd
Sidewalk Grading	410	Syd
Slope Restoration, Non-Freeway, Type A	325	Syd

①

EROSION CONTROL, INLET PROTECTION FABRIC DROP

DR STRUCTURE COVER, ADJ, CASE 1

②

RECESSING PAVT MRKG, TRANSVERSE PAVT MRKG, THERMOPL, 12 INCH, CROSSWALK

③

RECTANGULAR RAPID FLASHING BEACON, SOLAR POWER, DUAL

④

POST, STEEL, 3 LB

SIGN, TYPE IIIB (W 11-2)

SIGN, TYPE IIB (W 16-7P)

Description	QTY	UNIT
Detectable Warning Surface	25	Ft
Sidewalk, Conc, 4 Inch	1840	SFt
Sidewalk, Conc, 6 Inch	375	SFt
Curb Ramp, Conc, 6 Inch	555	Ft
Curb and Gutter, Conc, Det C6	20	Ft
Pavt Mrkg, Thermoapl, 12 Inch, Crosswalk	240	Ft
Recessing Pavt Mrkg, Transv	240	Ft
Sign, Type III, Rem	6	Ea
Post, Steel, 3 Lb	22	Ft
Sign, Type IIIB	22	Sft
Rectangular Rapid Flashing Beacon, Solar Power, Dual	1	Ea
Hydrant, Relocate, Case 2	1	Ea



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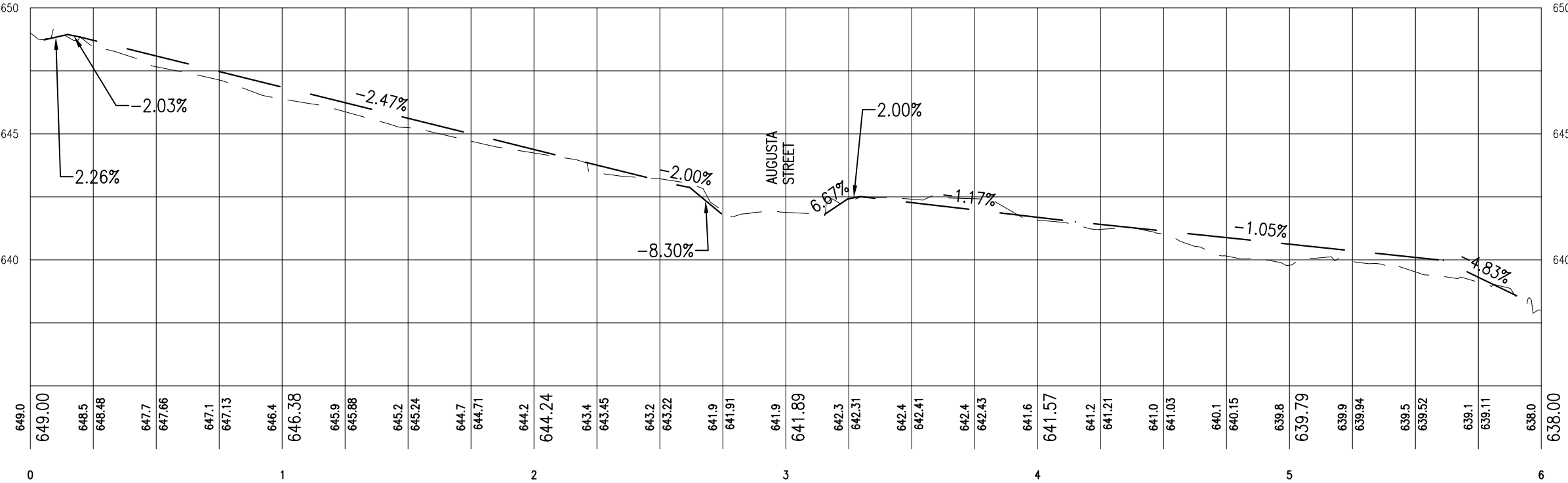
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PROFILE SHEET
SAFE ROUTES TO SCHOOLS
MARQUETTE AVE: YOUNG ST TO MINNEAPOLIS ST

DRAWING	SHEET
SR2S CONST 5	17

MARQUETTE AVENUE SIDEWALK PROFILE: YOUNG ST TO MINNEAPOLIS ST



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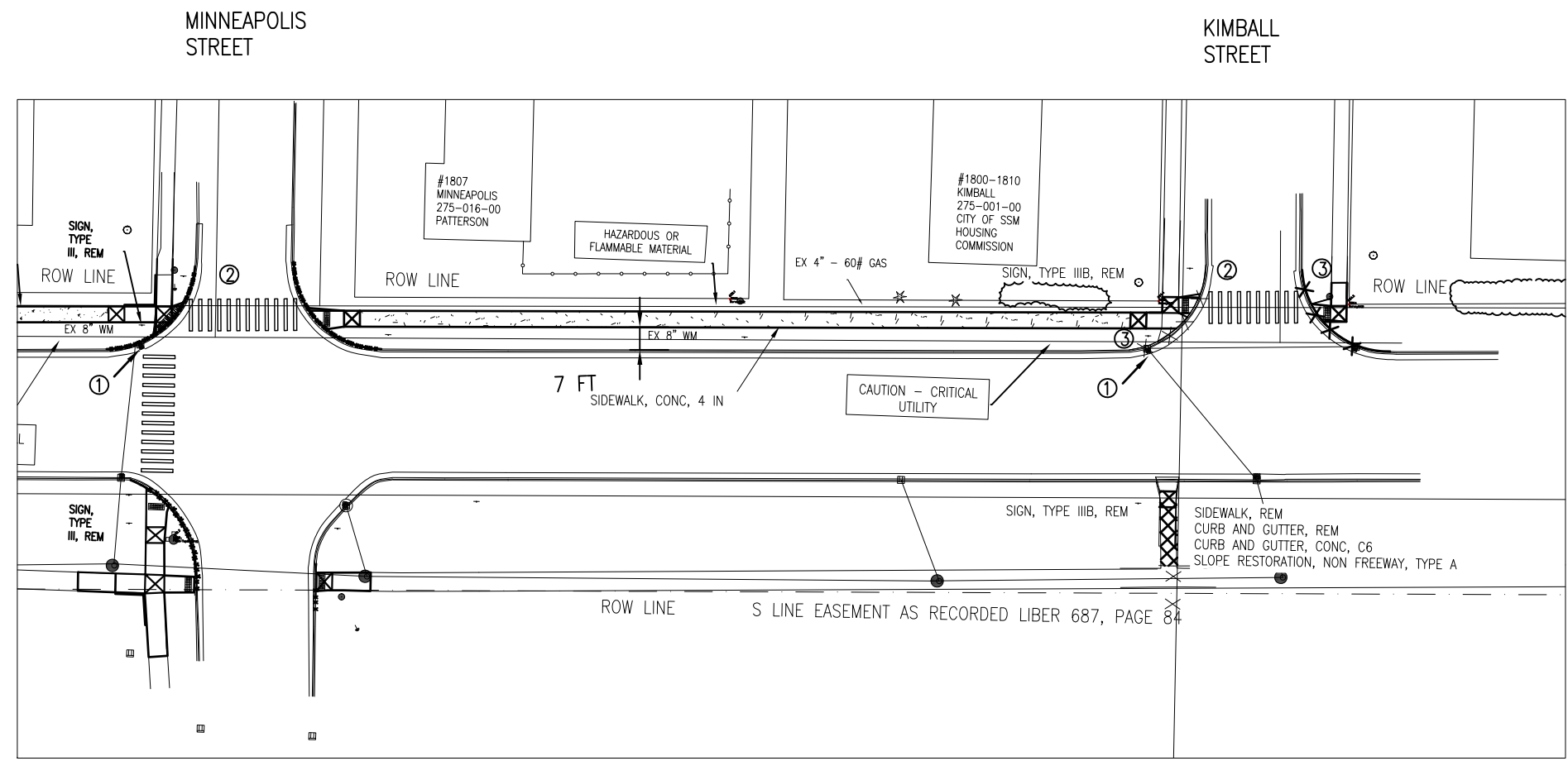
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PROFILE SHEET
SAFE ROUTES TO SCHOOLS
MARQUETTE AVE; YOUNG ST TO AUGUSTA ST

DRAWING	SHEET
SR2S PROF 5	18



Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

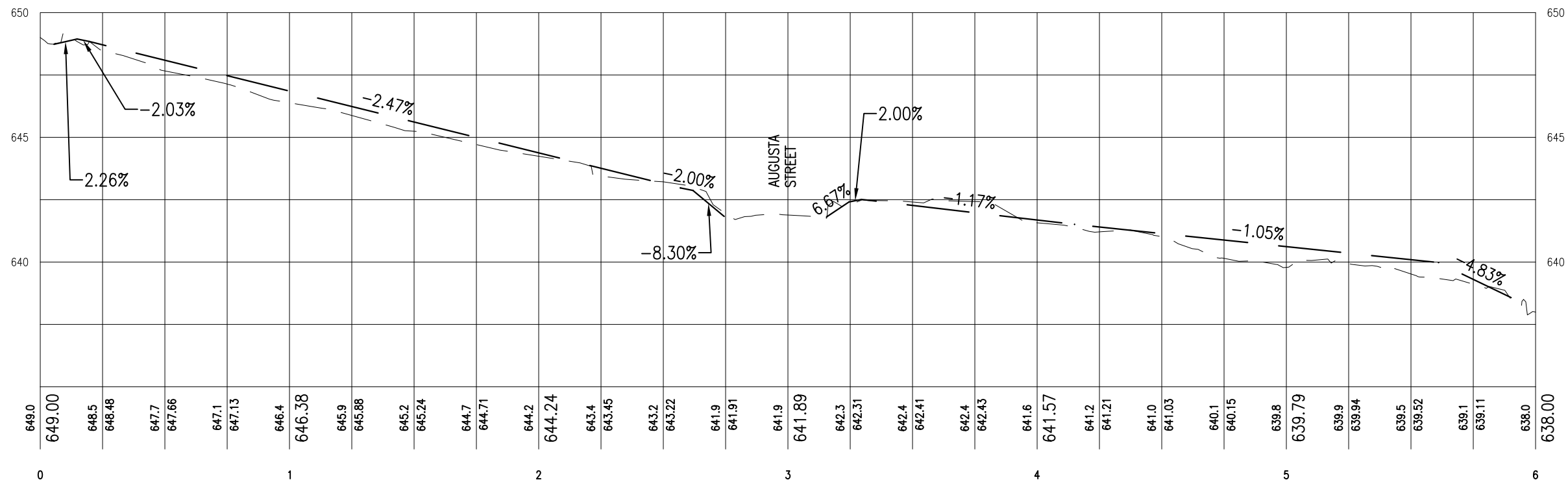
Description	QTY	UNIT
Curb and Gutter, Rem	130	Ft
Sidewalk, Rem	20	Syd
Curb and Gutter, Conc, Det C6	10	Ft
Curb Ramp Opening, Conc.	120	Ft
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Subbase, CIP	50	Cyd
Dr Structure Cover, Adj, Case 1	2	Ea
Hand Patching	10	Ton
Aggregate Base, 4 Inch	35	Syd
Sidewalk Grading	245	Syd
Slope Restroration, Non-Freeway, Type A	180	Syd

- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP

② RECESSING PAVT MRKG, TRANSVERSE
PAVT MRKG, THERMOPL, 12 INCH,
CROSSWALK
- ③ POST, STEEL, 3 LB
SIGN, TYPE IIIB (W 11-2)
SIGN, TYPE IIB (W 16-7P)

Description	QTY	UNIT
Detectable Warning Surface	15	Ft
Sidewalk, Conc, 4 Inch	1220	SFt
Curb Ramp, Conc, 6 Inch	315	Ft
Curb and Gutter, Conc, Det C6	10	Ft
Sign, Type IIIB, Rem	2	Ea
Post, Steel, 3 Lb	22	Ft
Sign, Type IIIB	22	Sft
Pavt Mrkg, Thermopl, 12 Inch, Crosswalk	240	Ft
Recessing Pavt Mrkg, Transv	240	Ft

MARQUETTE AVENUE SIDEWALK PROFILE: YOUNG ST TO MINNEAPOLIS ST



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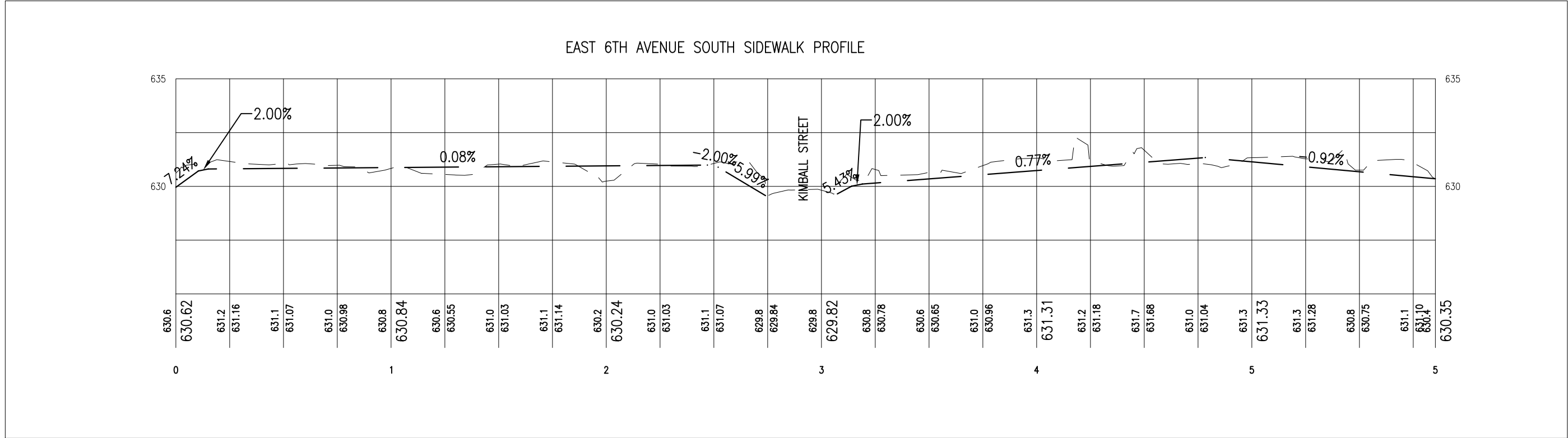
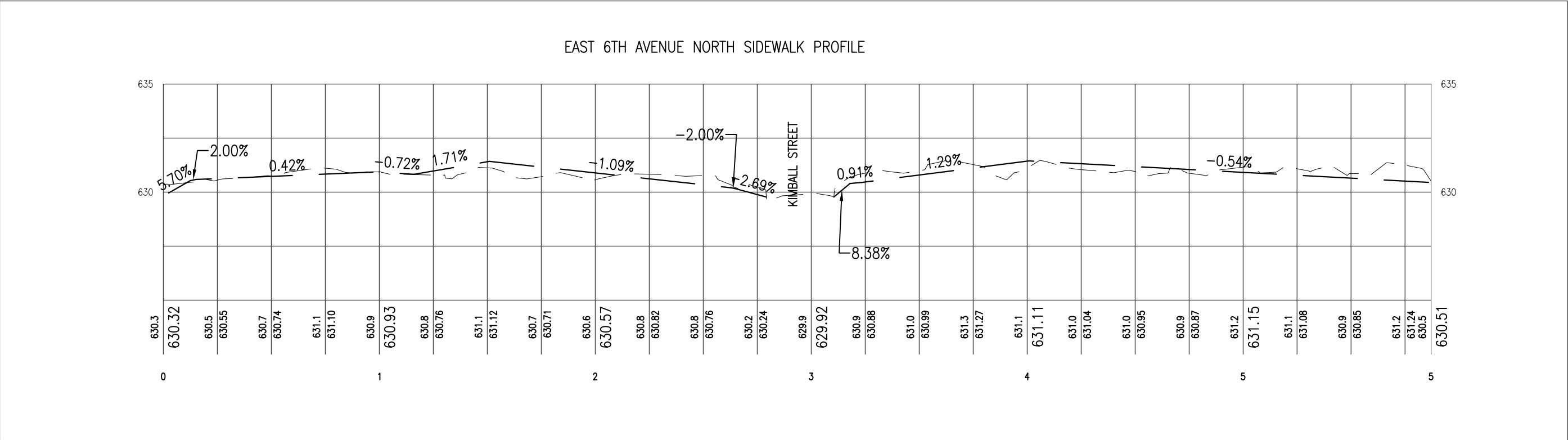
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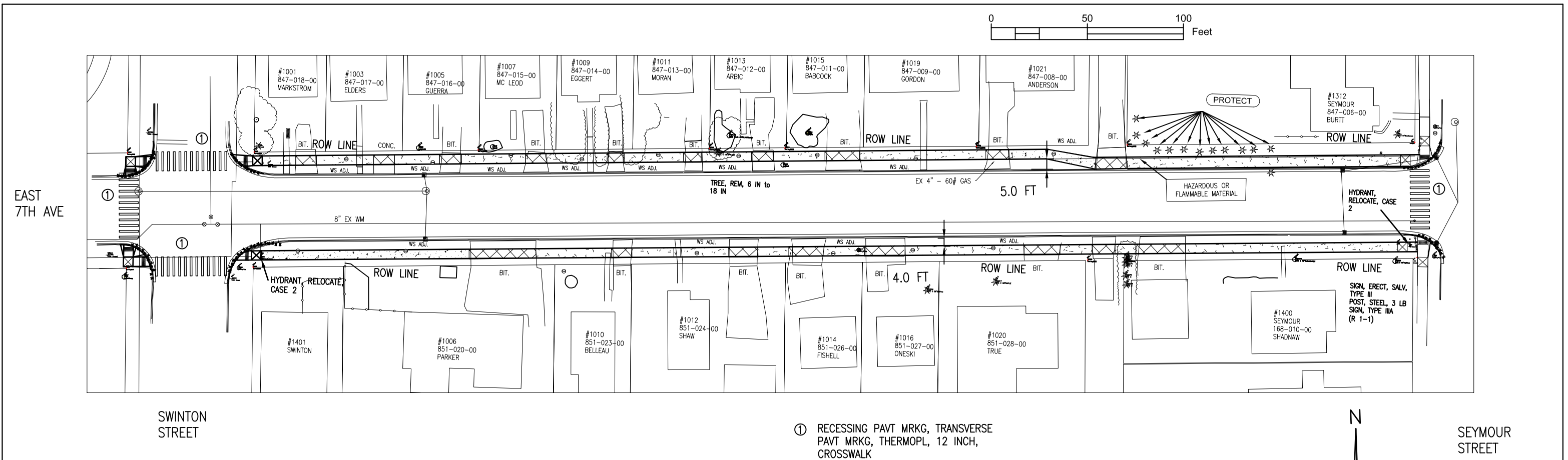
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PROFILE SHEET
SAFE ROUTES TO SCHOOLS
MARQUETTE AVE: MINNEAPOLIS ST TO KIMBALL ST

DRAWING	SHEET
SR2S PROF 6	20





Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	190	Ft
Pavt, Rem	135	Syd
Sidewalk, Rem	35	Syd
Curb Ramp Opening, Conc.	190	Ft
Subbase, CIP	340	Cyd
Water Shutoff, Adjust, Case 1	13	Ea
Hand Patching	15	Ton
Aggregate Base, 4 Inch	205	Syd
Sidewalk Grading	960	Syd
Slope Restoration, Non-Freeway, Type A	640	Syd
Hydrant, Relocate, Case 2	2	Ea

Description	QTY	UNIT
Detectable Warning Surface	40	Ft
Sidewalk, Conc, 4 Inch	4555	SFt
Sidewalk, Conc, 6 Inch	1320	SFt
Post, Steel, 3 pound	11	Ft
Sign, Type III, Rem	1	Ea
Sign, Type IIIA	9	Sft
Sign, Type IIIB	3	Sft
Pavt Mrkg, Thermopl, 12 Inch, Crosswalk	400	Ft
Recessing Pavt Mrkg, Transv	400	Ft

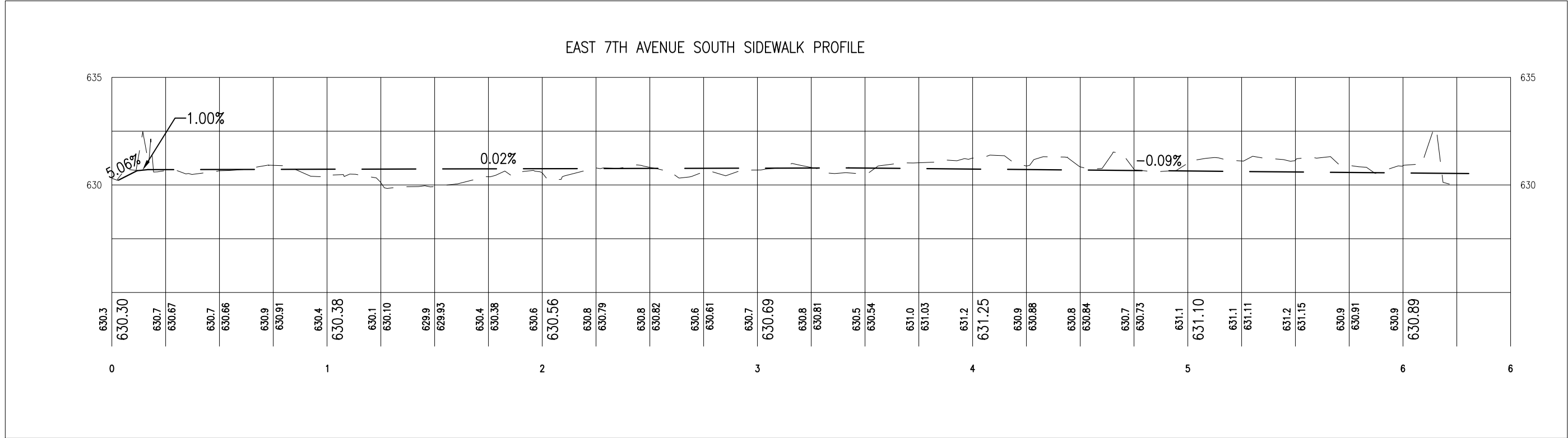
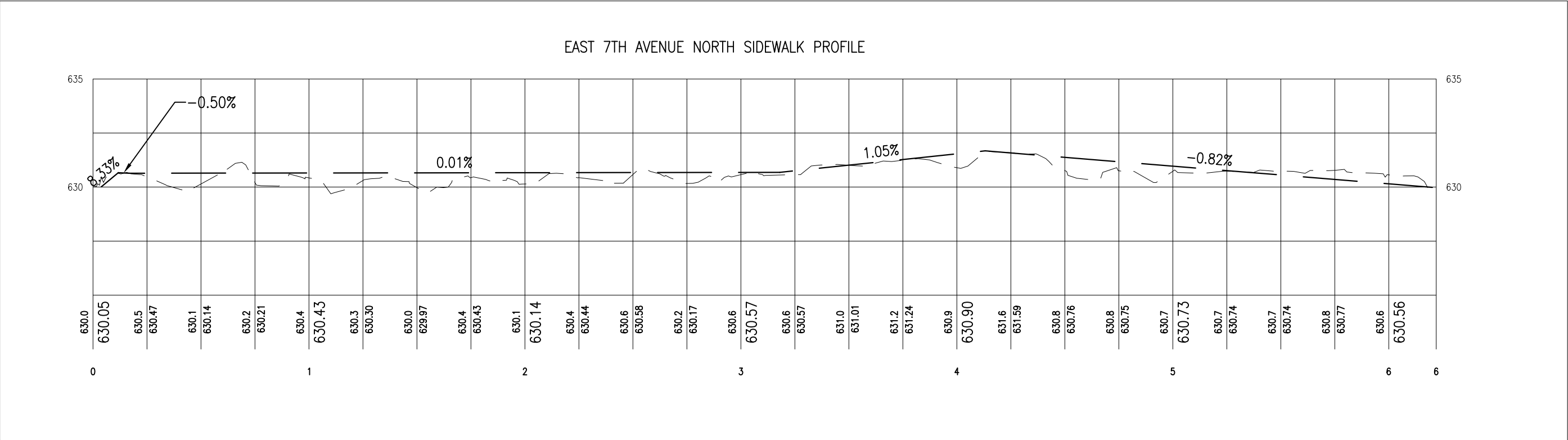
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NO	DATE	AUTH	DESCRIPTION



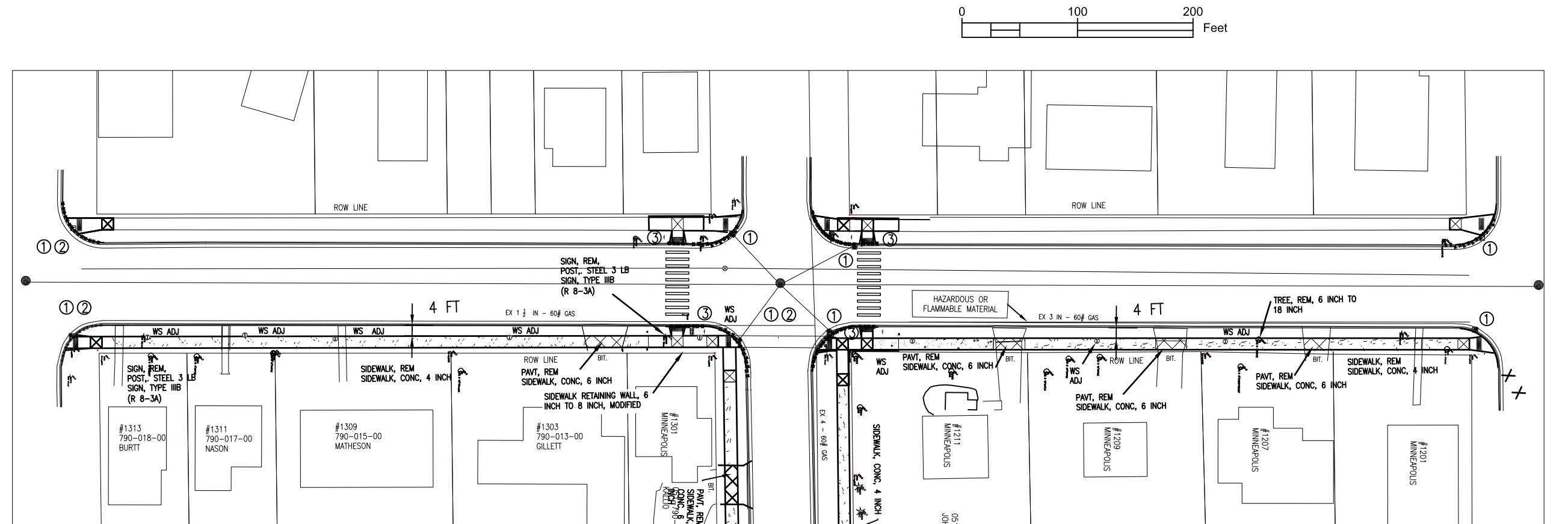
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DATE: 8/24/2023	APPROVED BY: DSB	JN: 217177	SAFE ROUTES TO SCHOOLS	SR2S CONST 8	23
EAST 7TH AVENUE: SWINTON ST TO SEYMOUR ST					



MINNEAPOLIS STREET



EAST 7TH AVENUE

EAST 6TH AVENUE

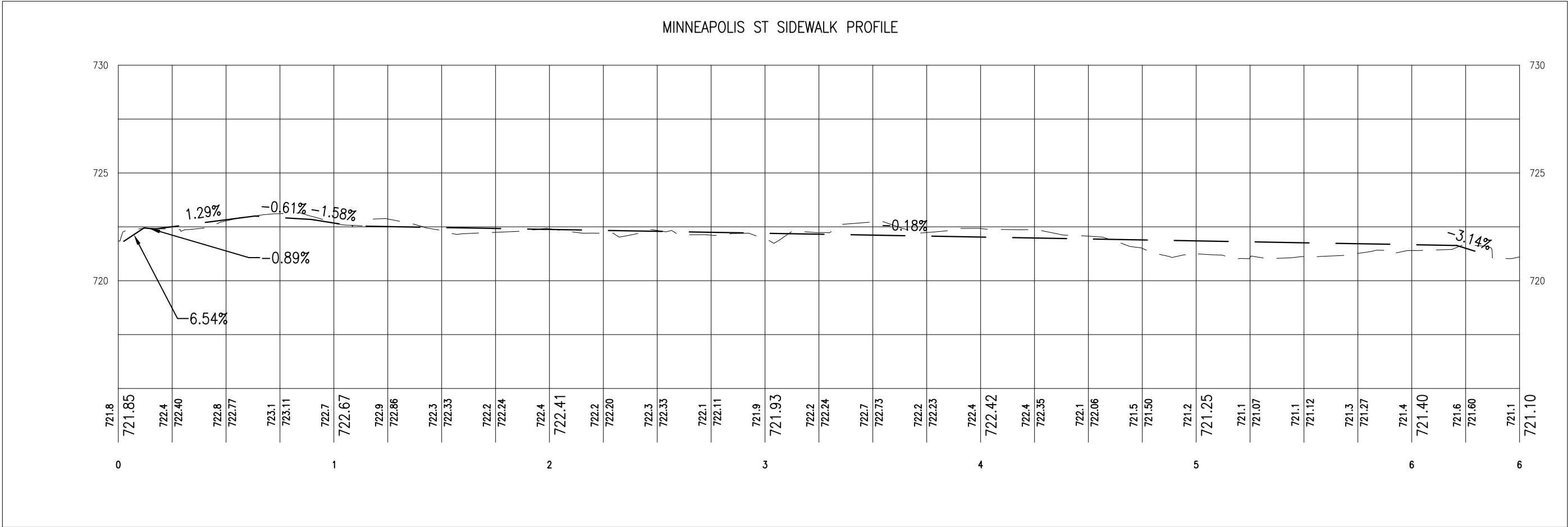
EAST 5TH AVENUE

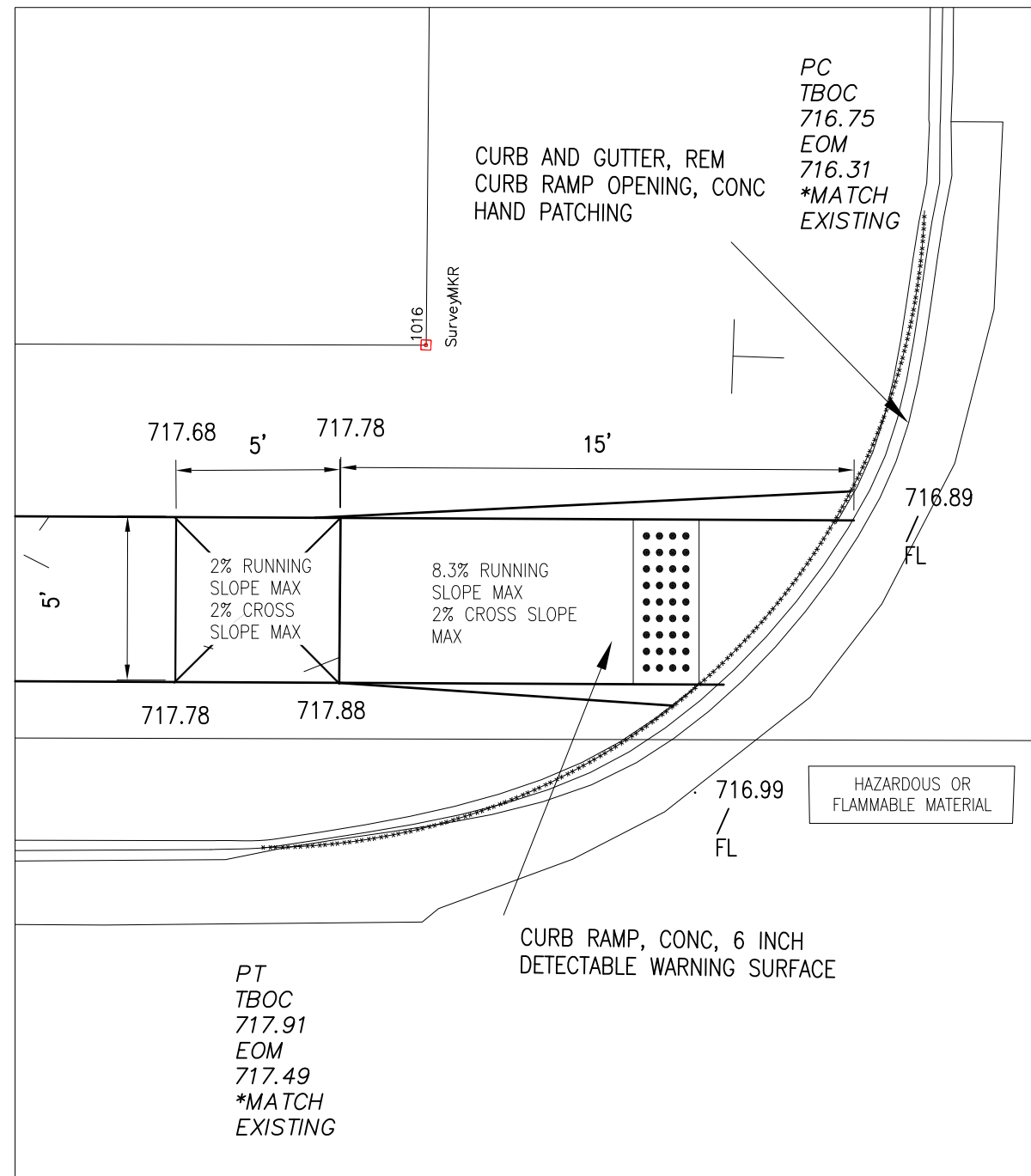
Sidewalk Construction Quantities THIS SHEET

Participating Quantities, CAT 001

Description	QTY	UNIT
Curb and Gutter, Rem	230	Ft
Pavt, Rem	80	Syd
Sidewalk, Rem	160	Syd
Curb Ramp Opening, Conc.	360	Ft
Dr Structure, Cover, Type K, Modified	3	Ea
Dr Structure Cover, Adj, Case 1	8	Ea
Erosion Control, Inlet Protection, Fabric Drop	8	Ea
Subbase, CIP	40	Cyd
Dr Structure Cover, Adj, Case 1	11	Ea
Water Shutoff, Adjust	9	Ea
Hand Patching	15	Ton
Aggregate Base, 4 Inch	55	Syd
Slope Restoration, Non Freeway, Type A	395	Syd

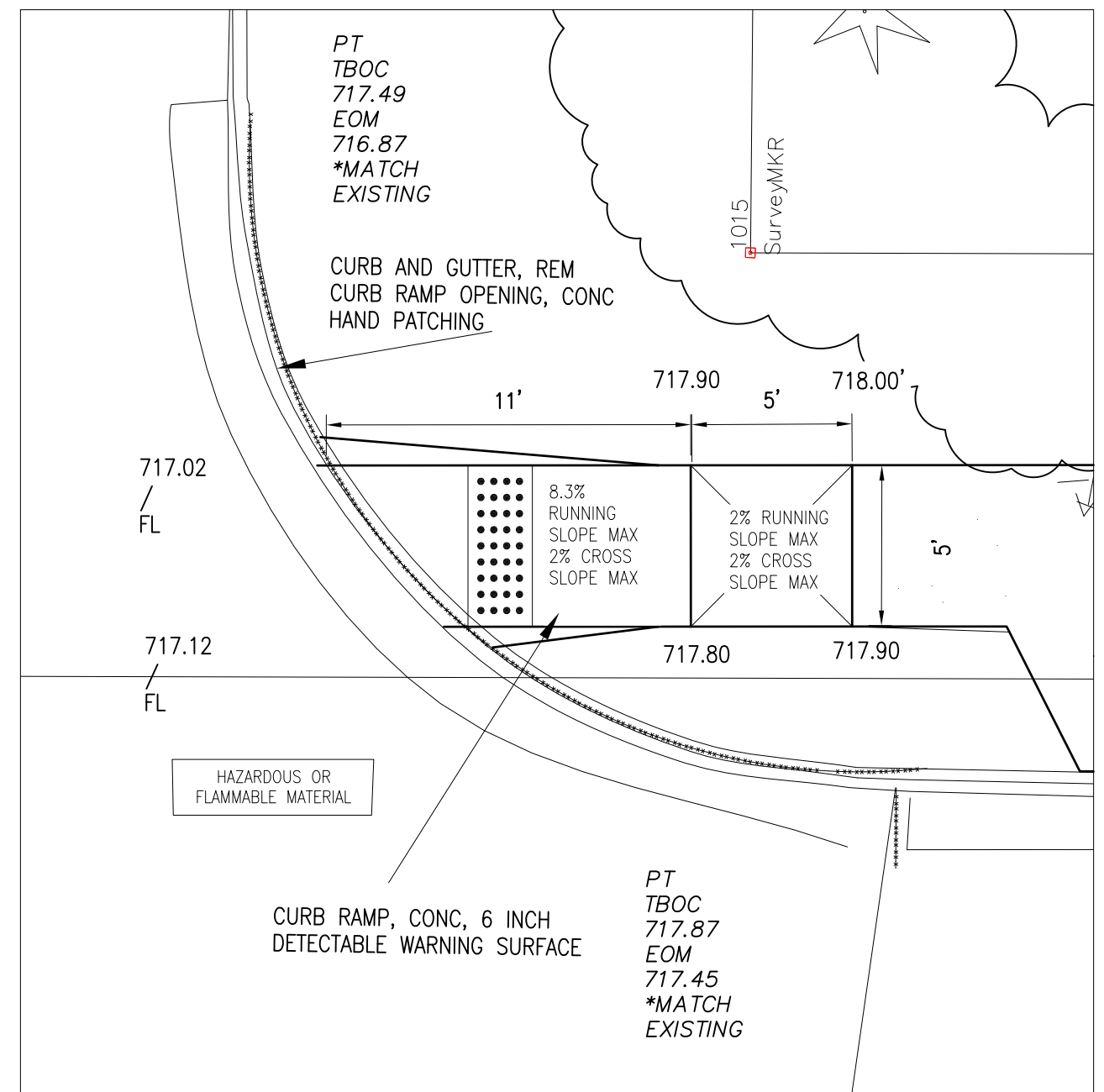
Description	QTY	UNIT
Sidewalk Grading	595	Ft
Sidewalk Retaining Wall, 6 to 48 Inch,	50	Sft
Curb, Det E4	92	Ft
Detectable Warning Surface	90	Ft
Sidewalk, Conc, 4 Inch	1220	SFt
Sidewalk, Conc, 6 Inch	320	SFt
Curb Ramp, Conc, 6 Inch	1620	Ft
Pavt Mrkg, Thermopl, 12 Inch, Crosswalk	200	Ft
Recessing Pavt Mrkg, Transv	200	Ft
Sign, Type III, Rem	2	Ea
Post, Steel, 3 Lb	66	Ft
Sign, Type IIIB	47	Sft





Sidewalk Construction Quantities
SEE PAGE 15

NE QUADRANT RYAN AVE /
DILLON ST INTERSECTION



Sidewalk Construction Quantities
SEE PAGE 15

SE QUADRANT RYAN AVE /
DILLON STREET INTERSECTION

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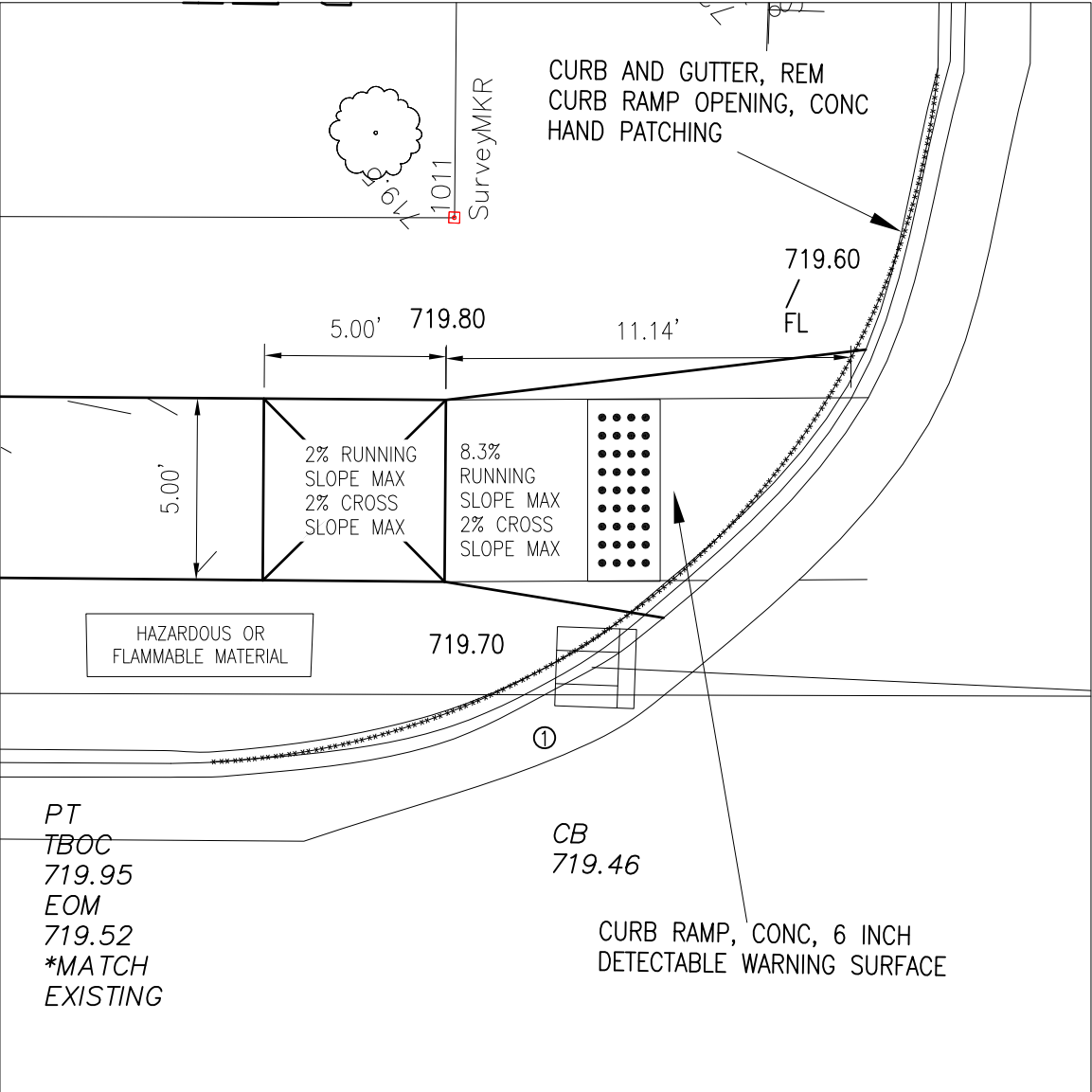
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING
RAMP
DETAILS
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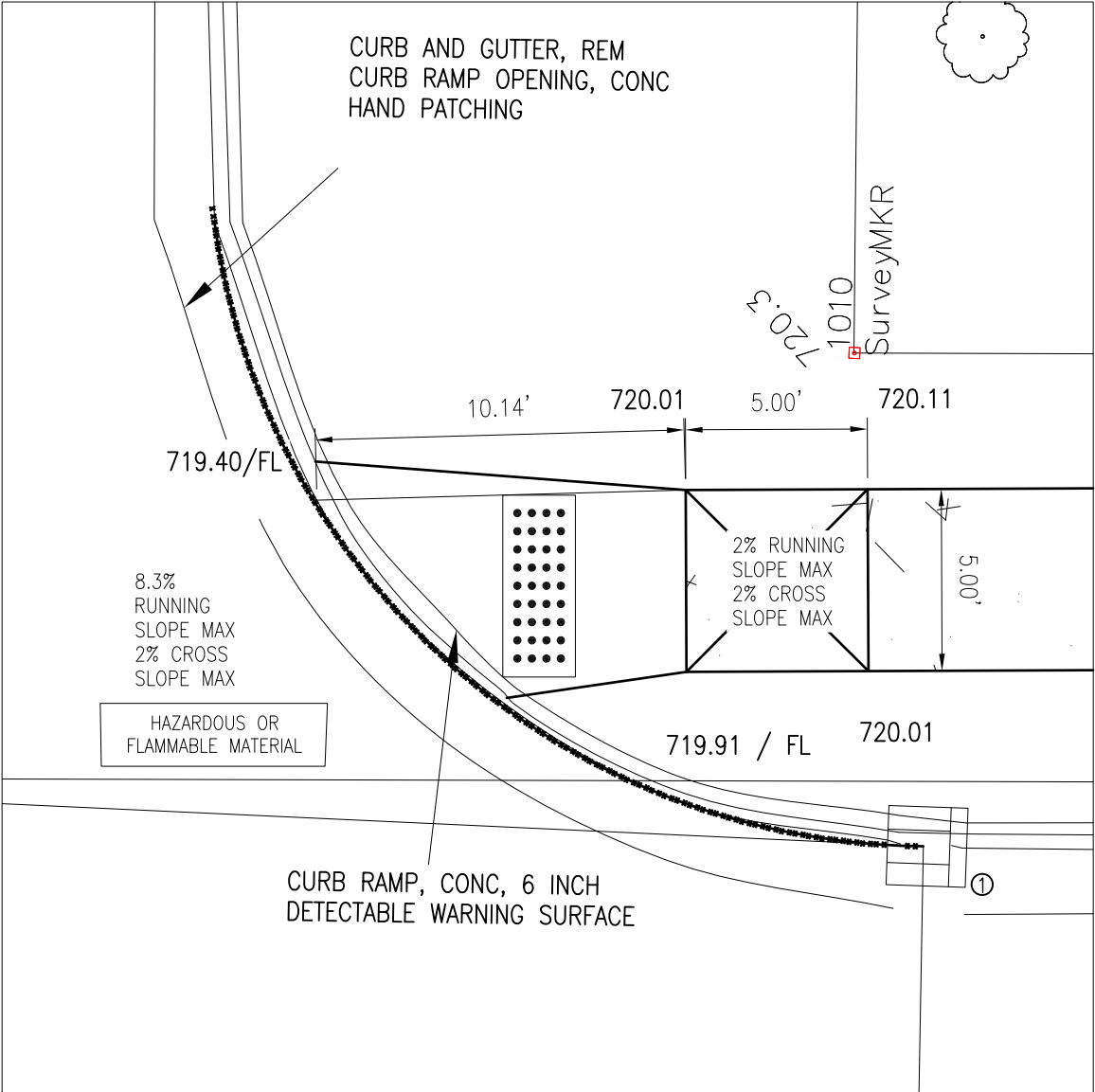
SHEET
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① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 13

NE QUADRANT RYAN AVE /
EMMETT ST INTERSECTION



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 13

SE QUADRANT RYAN AVE /
EMMETT STREET INTERSECTION

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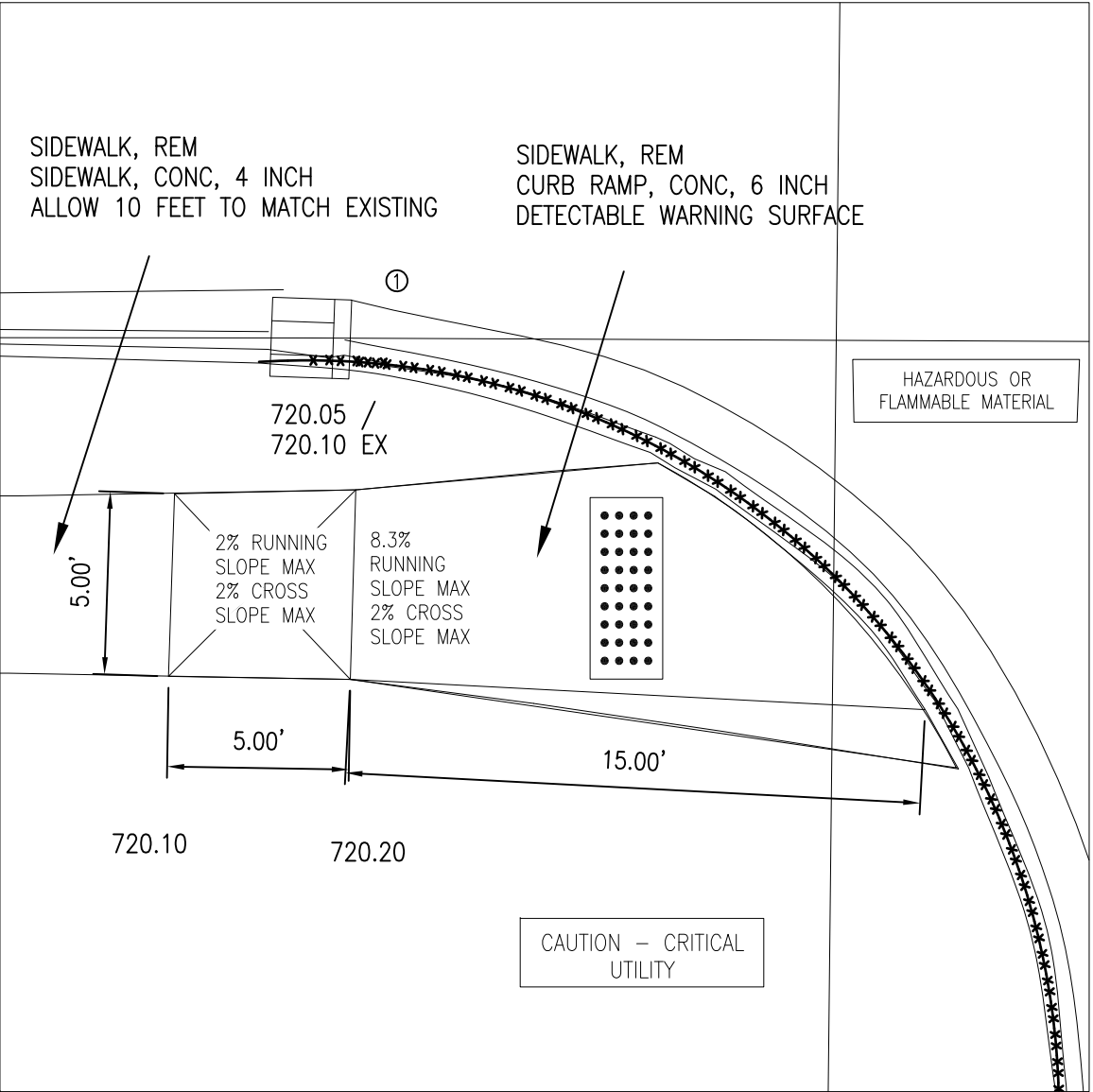
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CONSTRUCTION SHEET
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SIDEWALK RAMP DETAILS

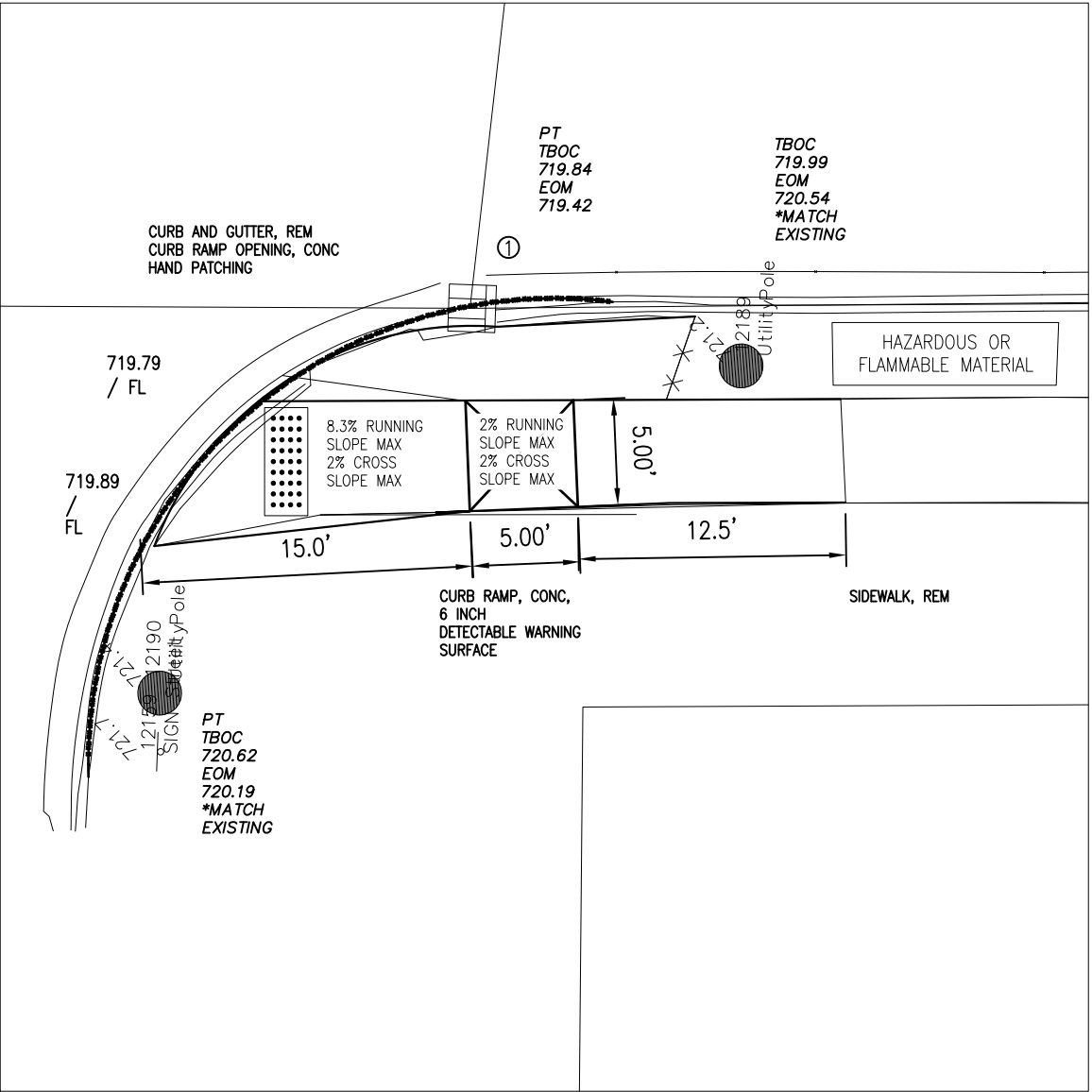
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① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 13

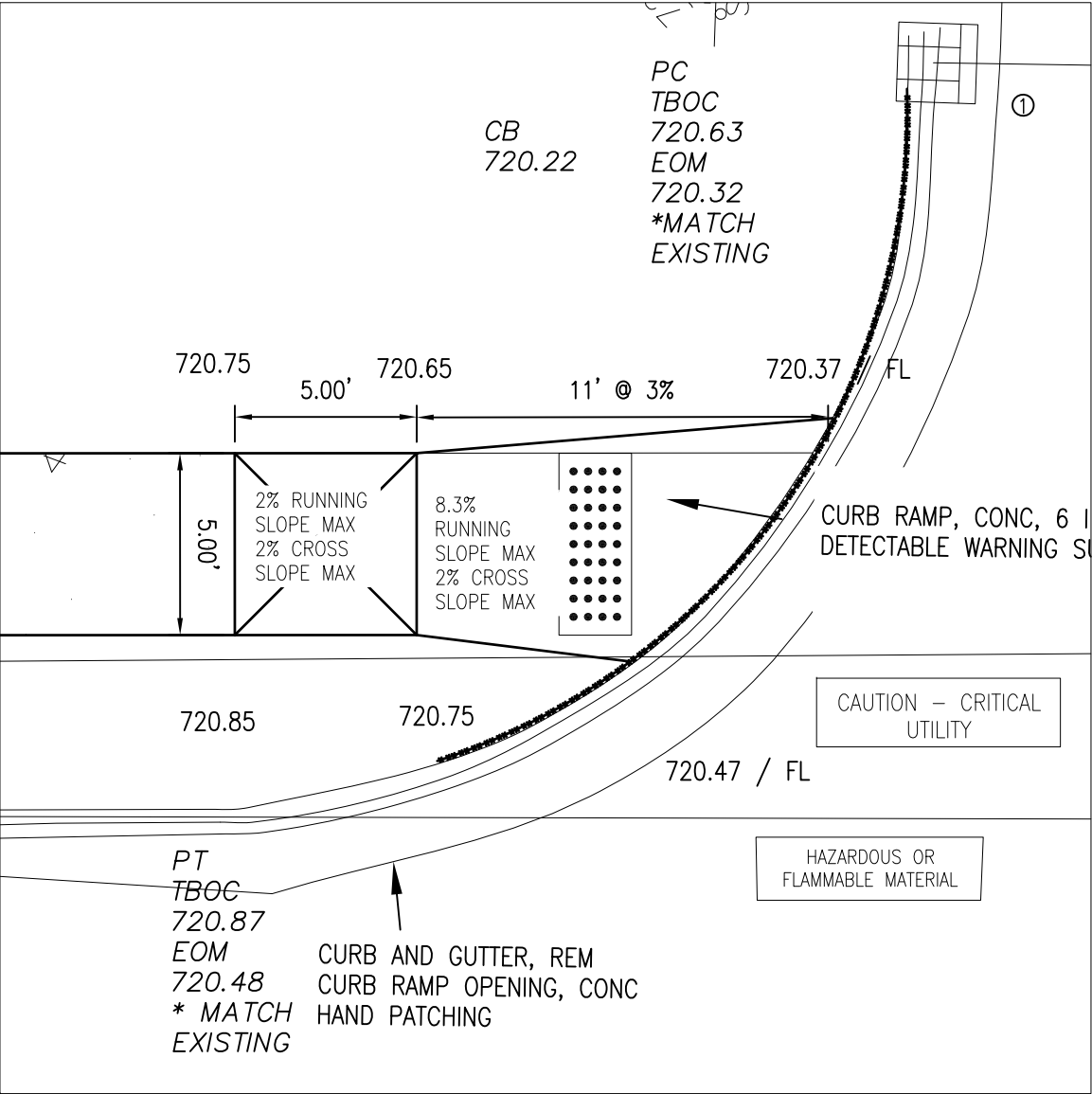
NW QUADRANT RYAN AVE /
WEST 4th AVE INTERSECTION



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 11

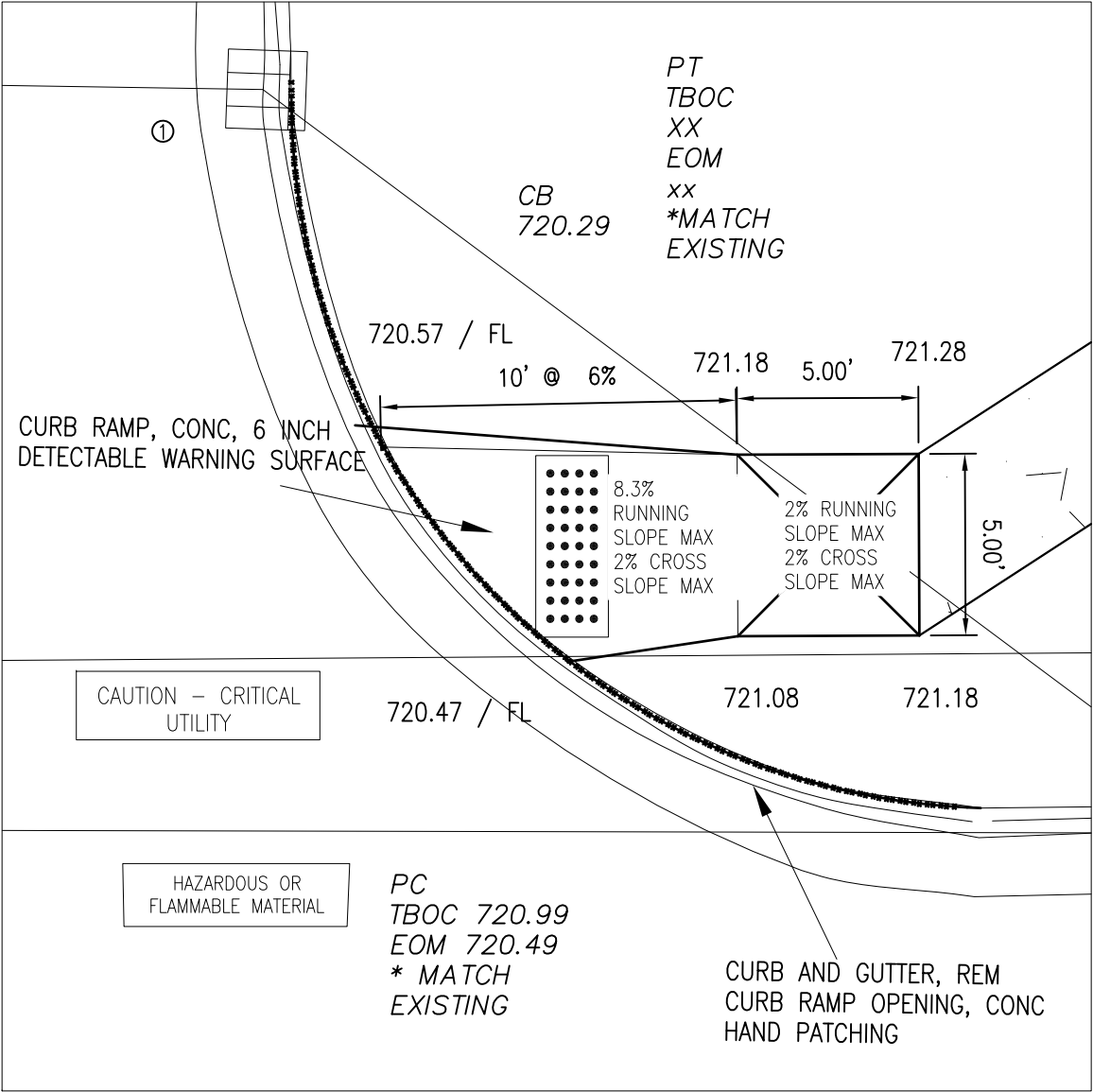
SW QUADRANT RYAN AVE /
WEST 4th AVE INTERSECTION
SCALE 1:8



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
OR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 11

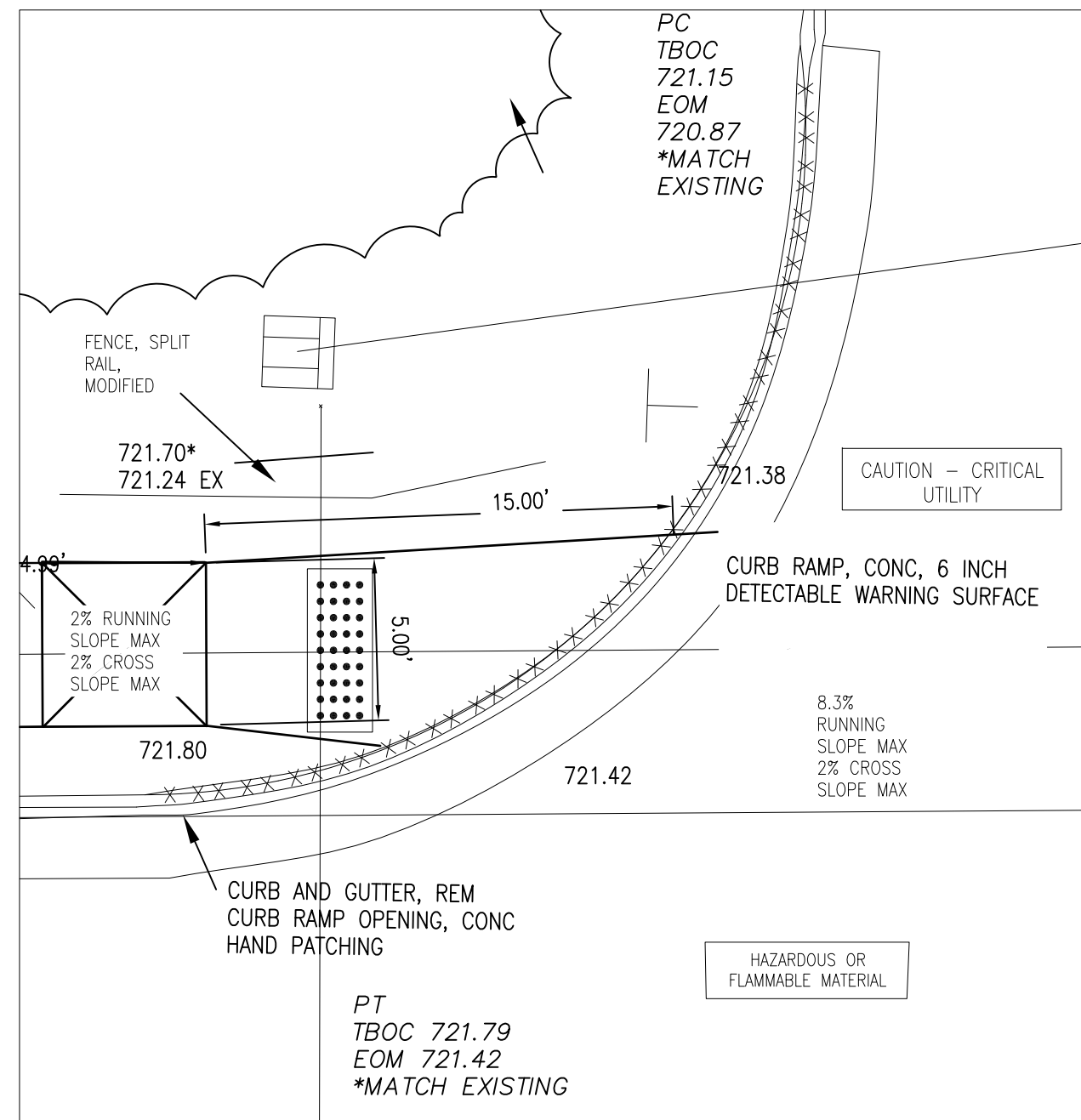
NE QUADRANT RYAN AVE /
WEST 5th AVE INTERSECTION

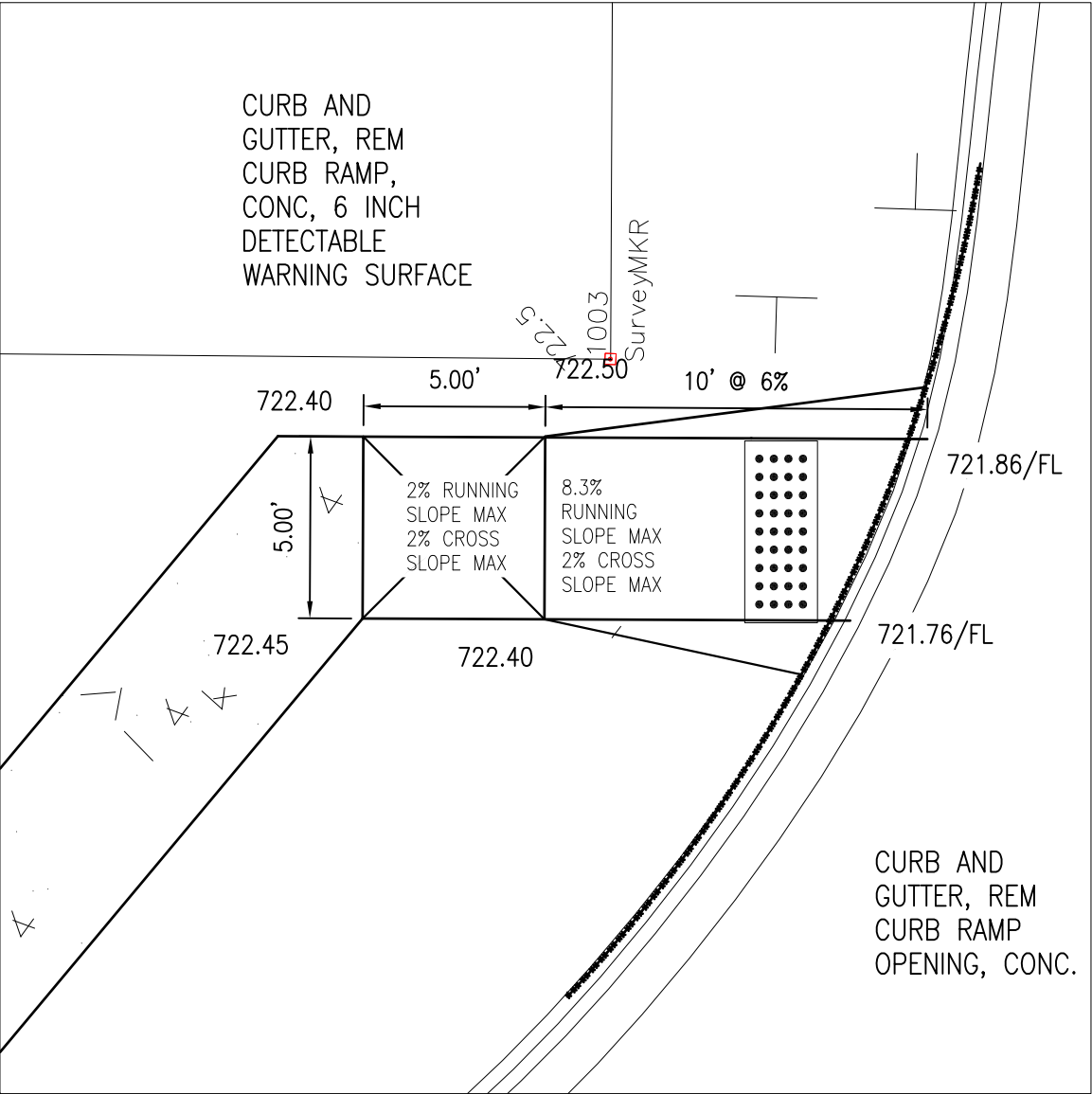


① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
OR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 11

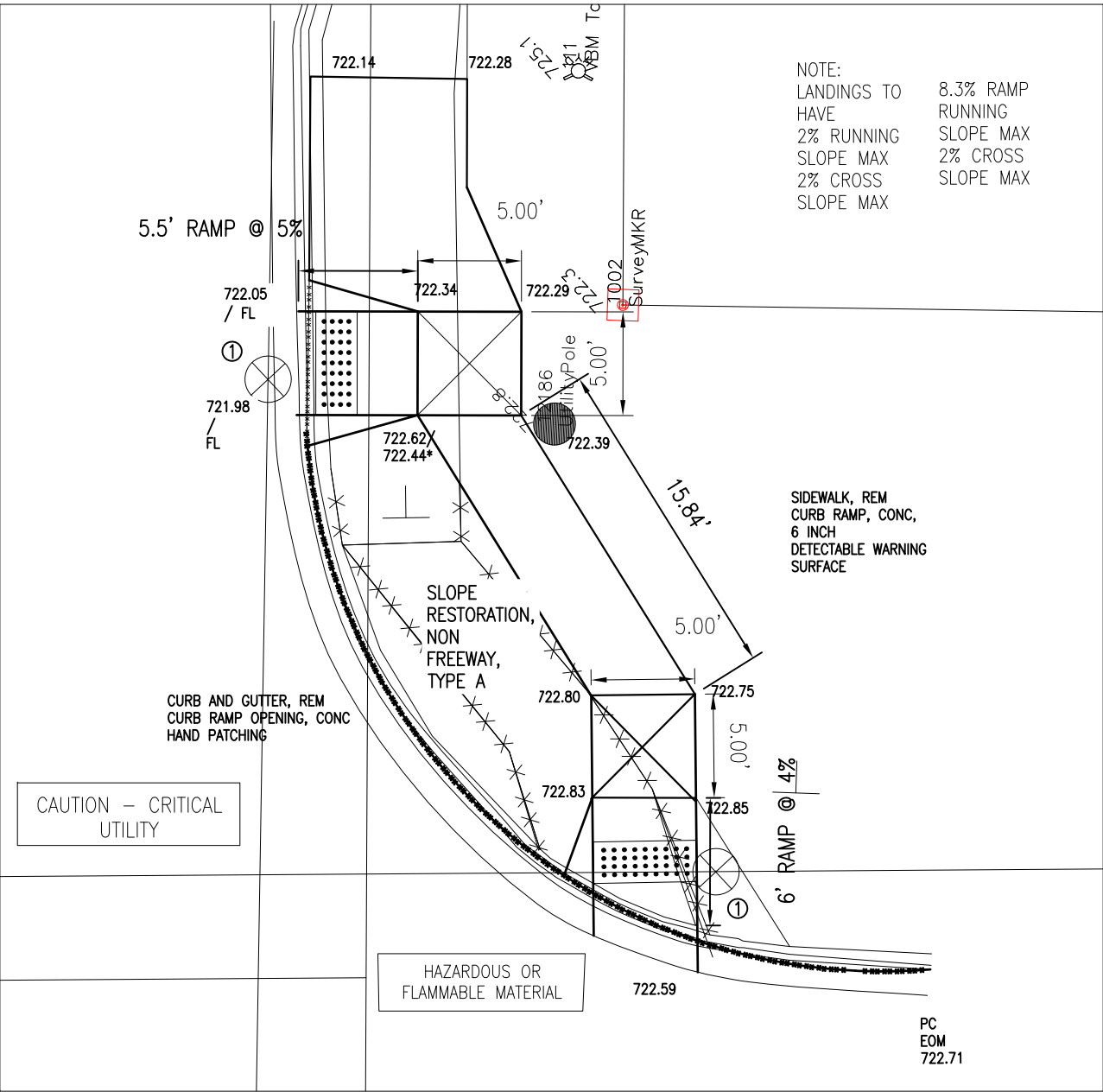
SE QUADRANT RYAN AVE /
WEST 5th AVE INTERSECTION





Sidewalk Construction Quantities
SEE PAGE 9

NE QUADRANT RYAN AVE /
WEST 8th AVE INTERSECTION



① GATE BOX, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 9

SE QUADRANT RYAN AVE /
WEST 8th AVE INTERSECTION
SCALE 1:8

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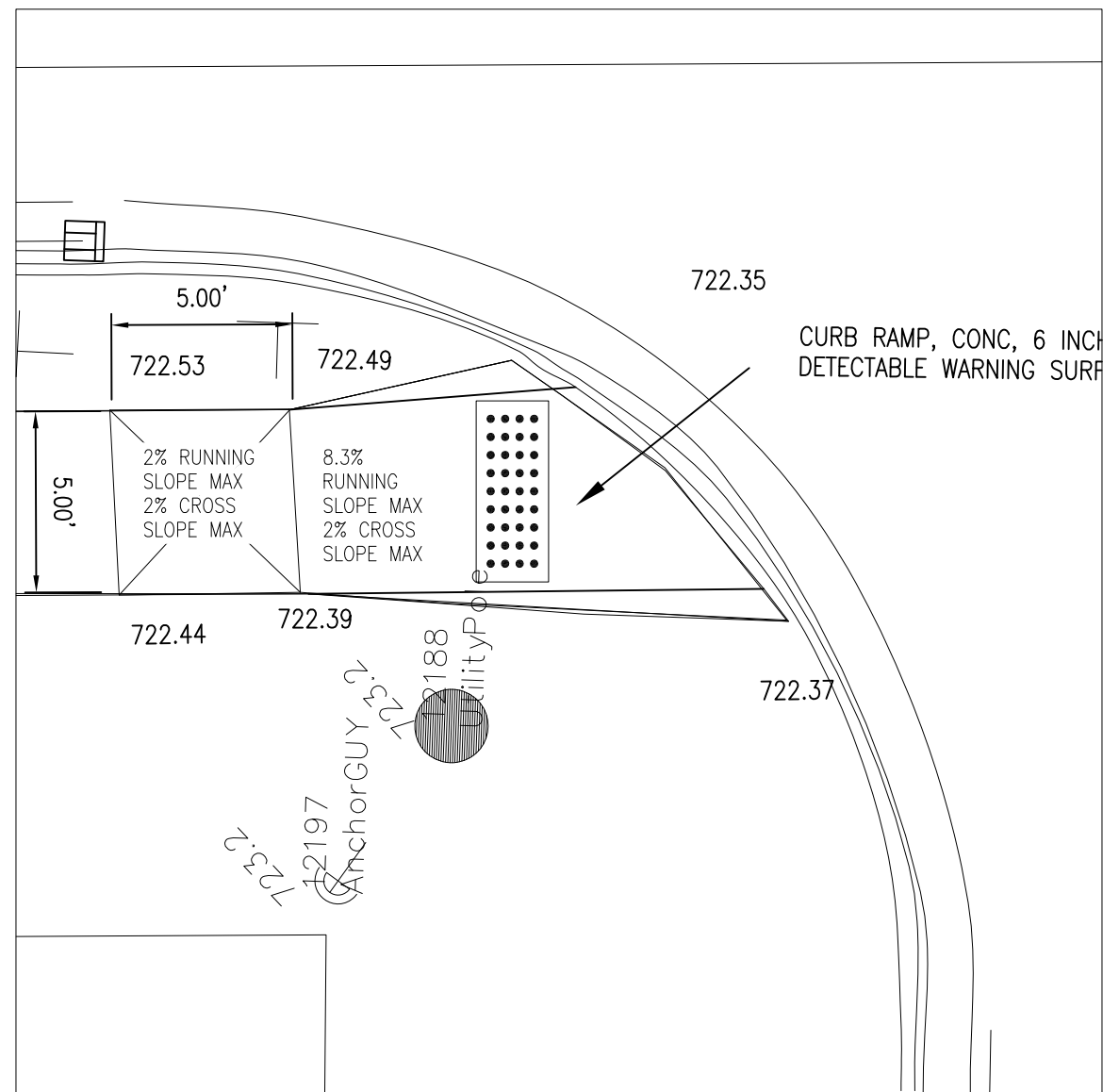
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SIDEWALK RAMP DETAILS

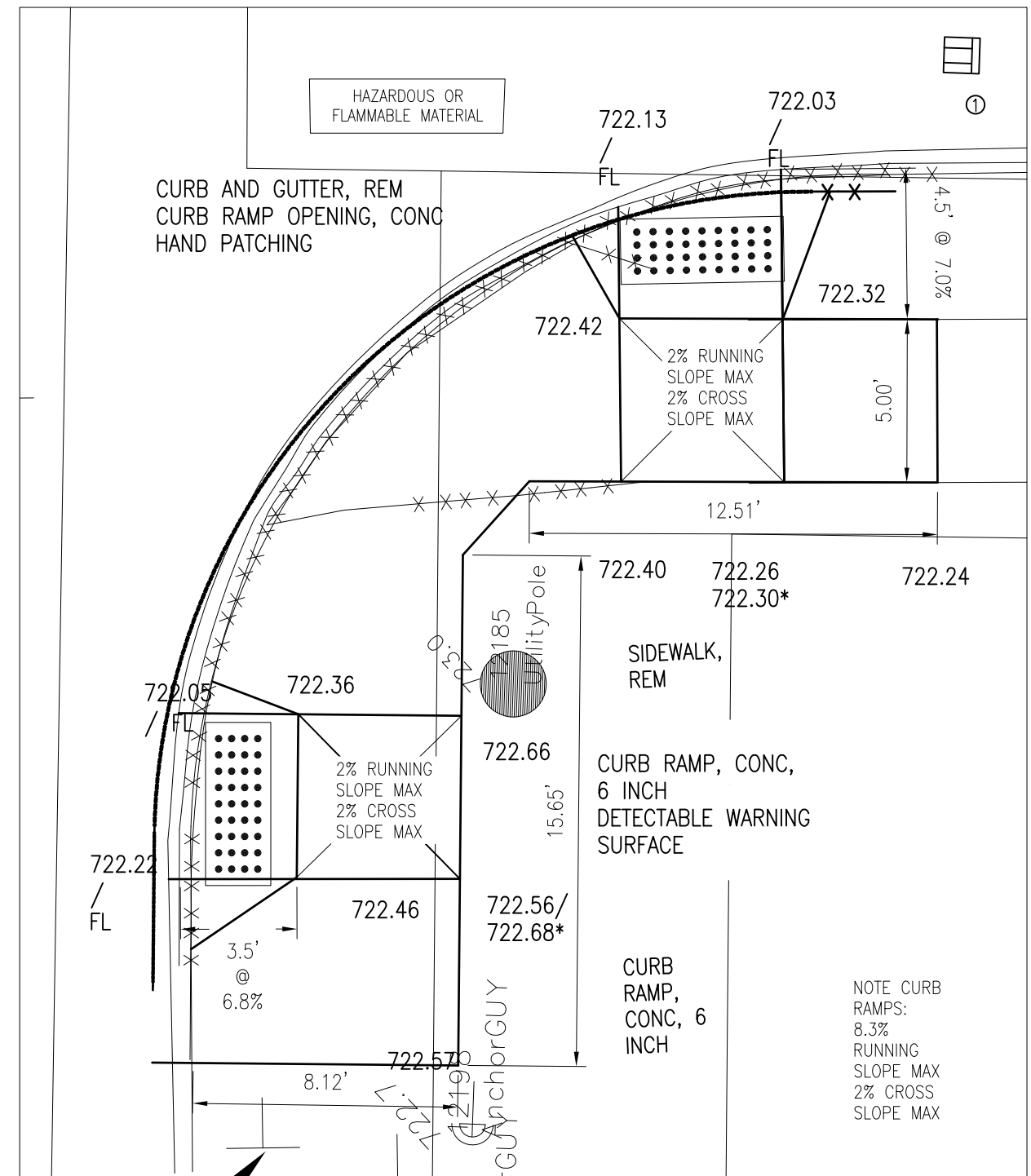
DRAWING
RAMP
DETAILS
9
SHEET
35



Sidewalk Construction Quantities
SEE PAGE 9

NW QUADRANT RYAN AVE /
WEST 8th AVE INTERSECTION

Sidewalk Construction Quantities
SEE PAGE 9



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

SW QUADRANT RYAN AVE /
WEST 8th AVE INTERSECTION

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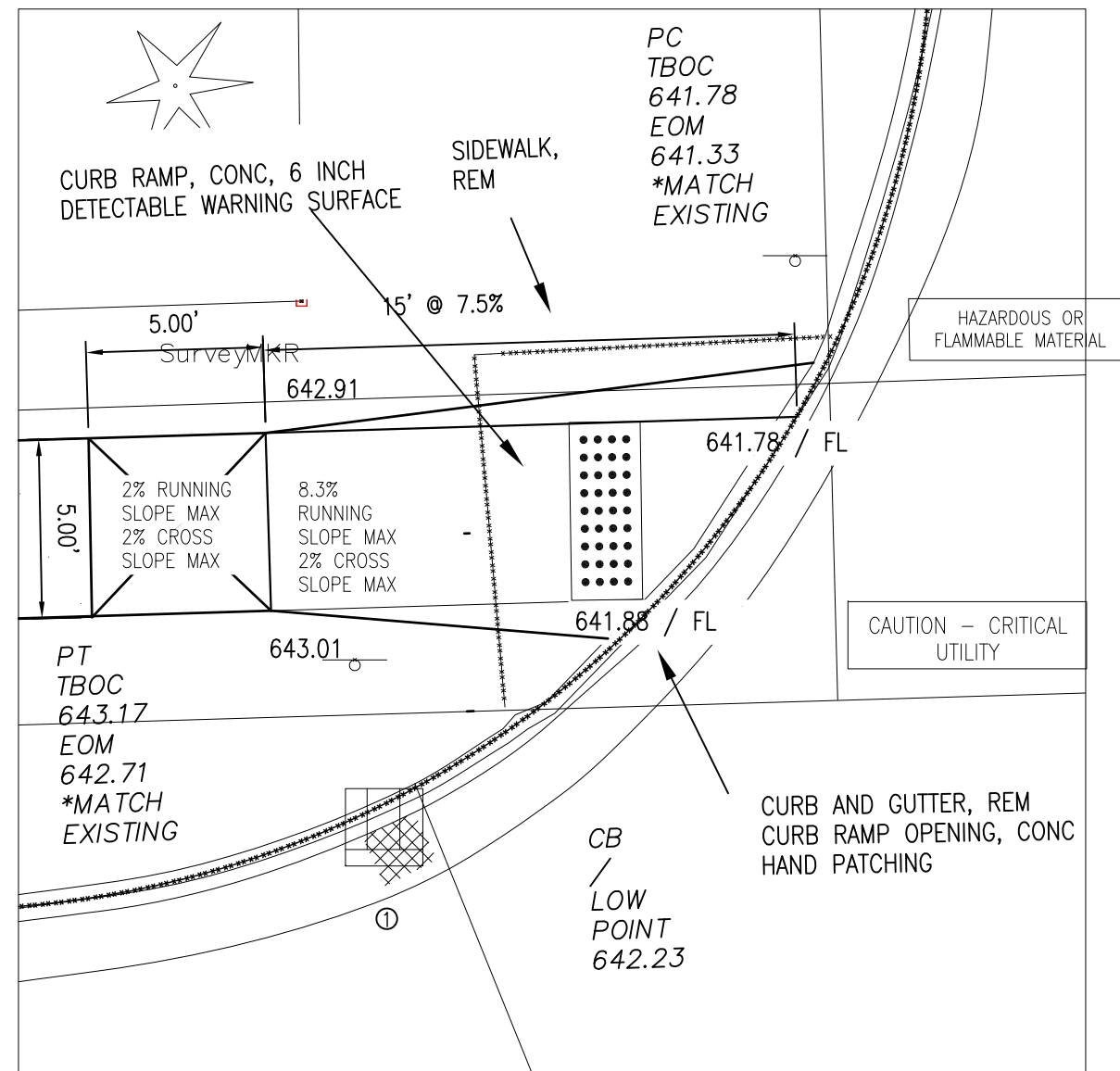
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SIDEWALK RAMP DETAILS

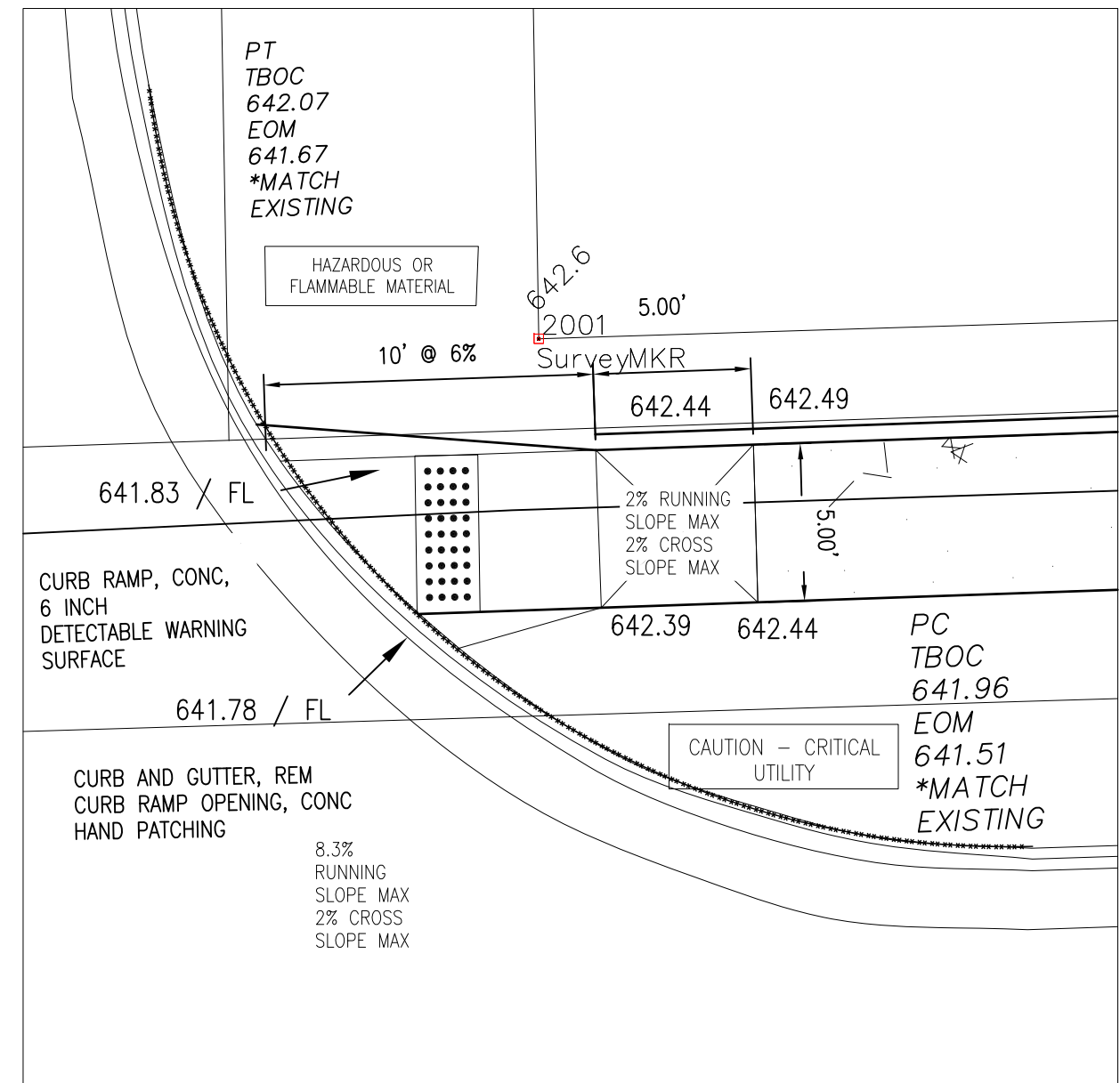
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RAMP
DETAILS
10 36



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 17

NW QUADRANT AUGUSTA ST
/
MARQUETTE AVE



Sidewalk Construction Quantities
SEE PAGE 17

NE QUADRANT AUGUSTA ST
/
MARQUETTE AVE

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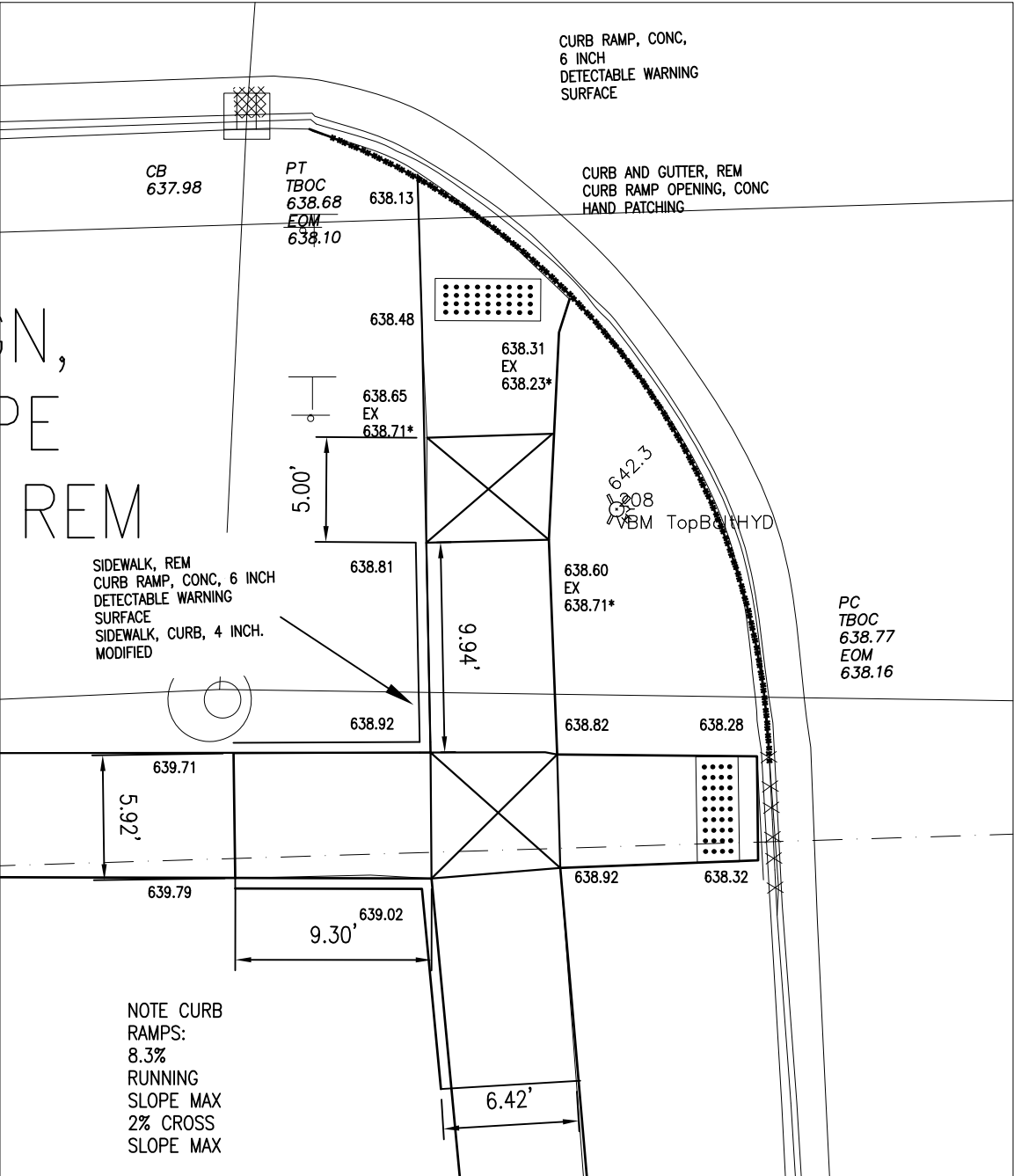
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JN: 217177

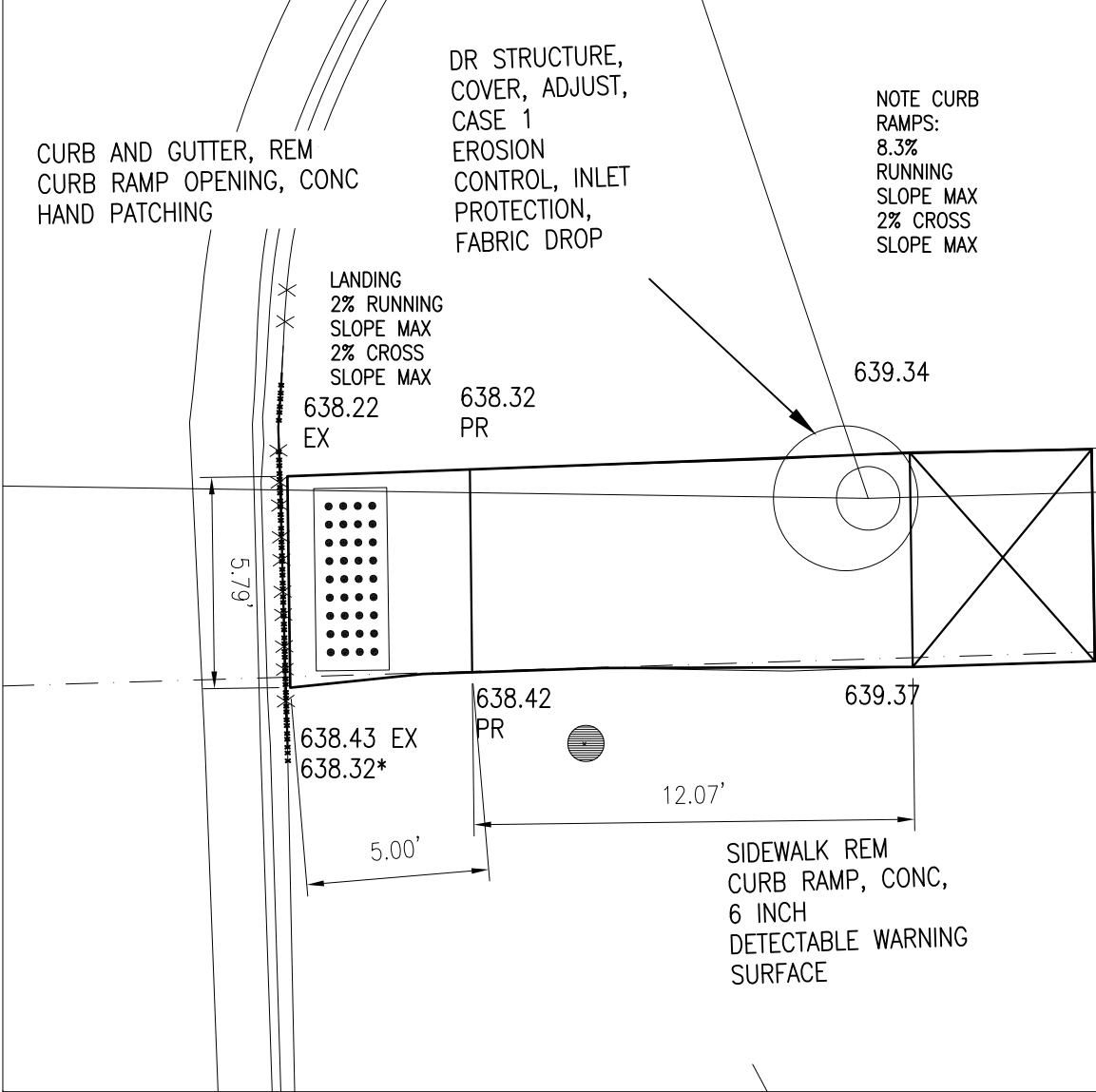
CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING	SHEET
RAMP DETAILS 12	38



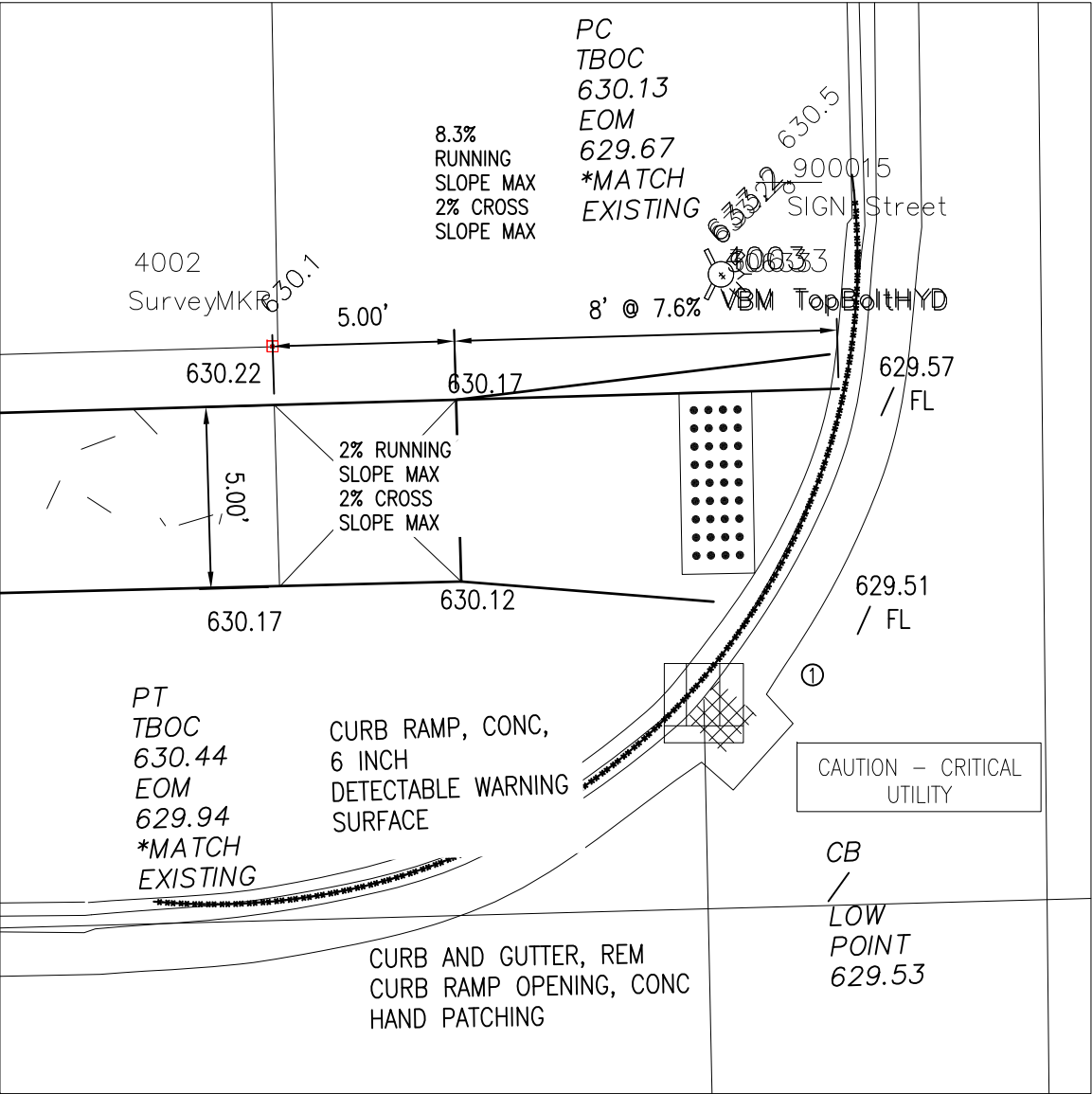
Sidewalk Construction Quantities
SEE PAGE 64

SW QUADRANT MINNEAPOLIS
ST /
MARQUETTE AVE 1" = 8'



Sidewalk Construction Quantities
SEE PAGE 64

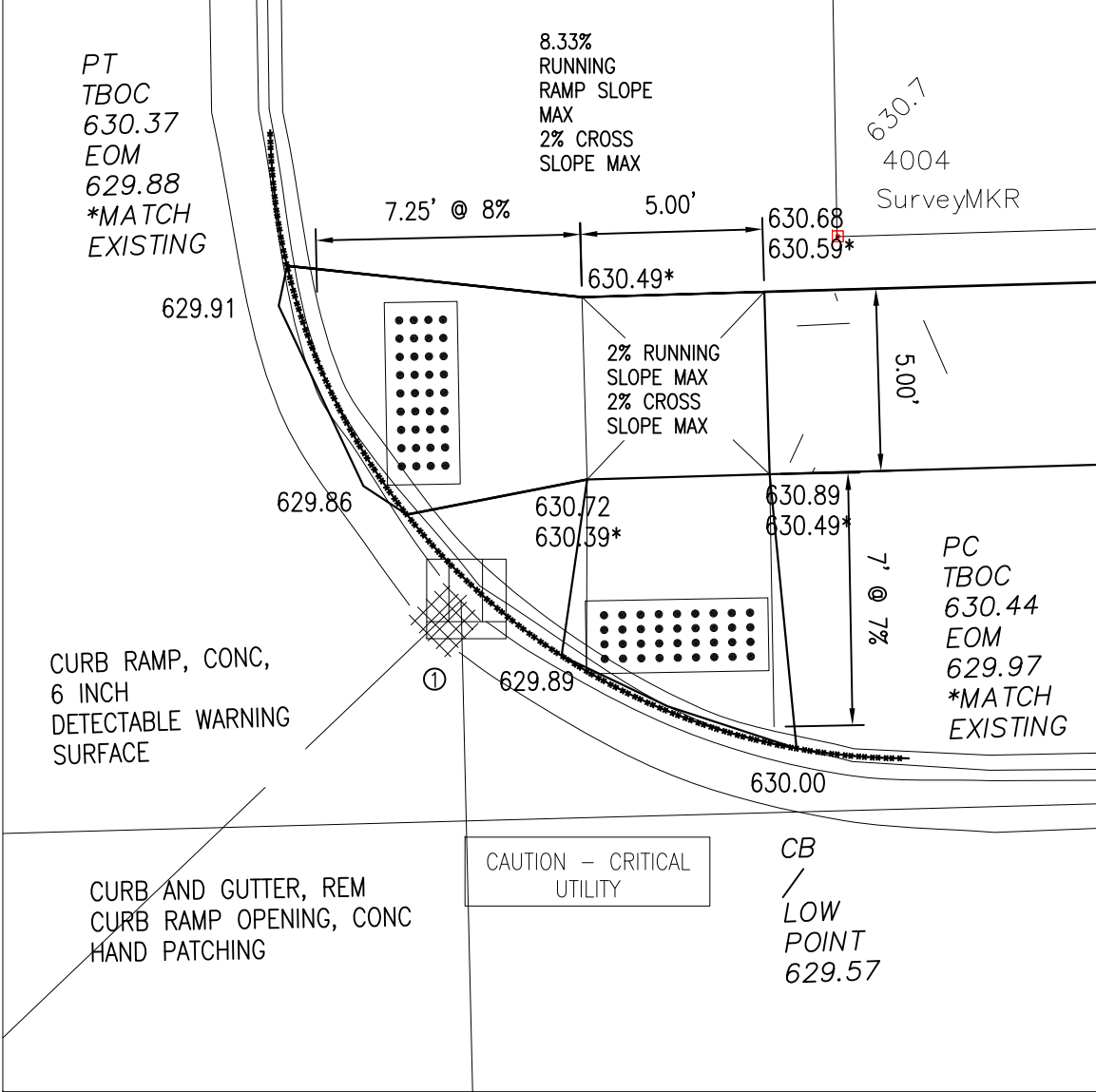
SE QUADRANT MINNEAPOLIS
ST /
MARQUETTE AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 21

NW QUADRANT E 6TH AVE /
KIMBALL ST



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 21

NE QUADRANT E 6TH AVE /
KIMBALL ST

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION



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ENGINEERING DEPARTMENT**
225 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
(906) 632-5700 FAX: (906) 632-5606

HORIZ: 1" = 5'

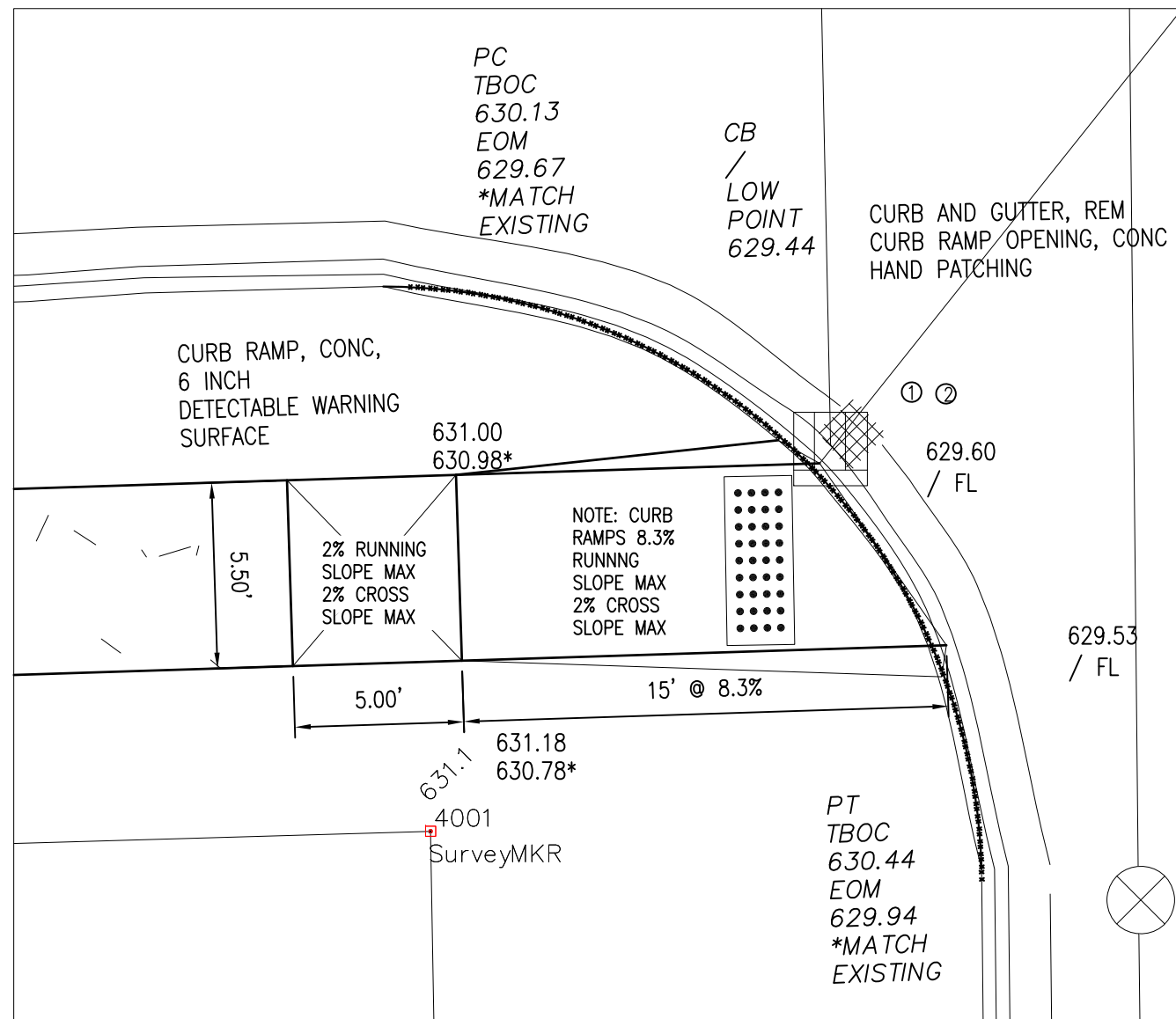
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DRAWN BY: LJM
APPROVED BY: DSB
DATE: 8/24/2023

CS: STU 17000
JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

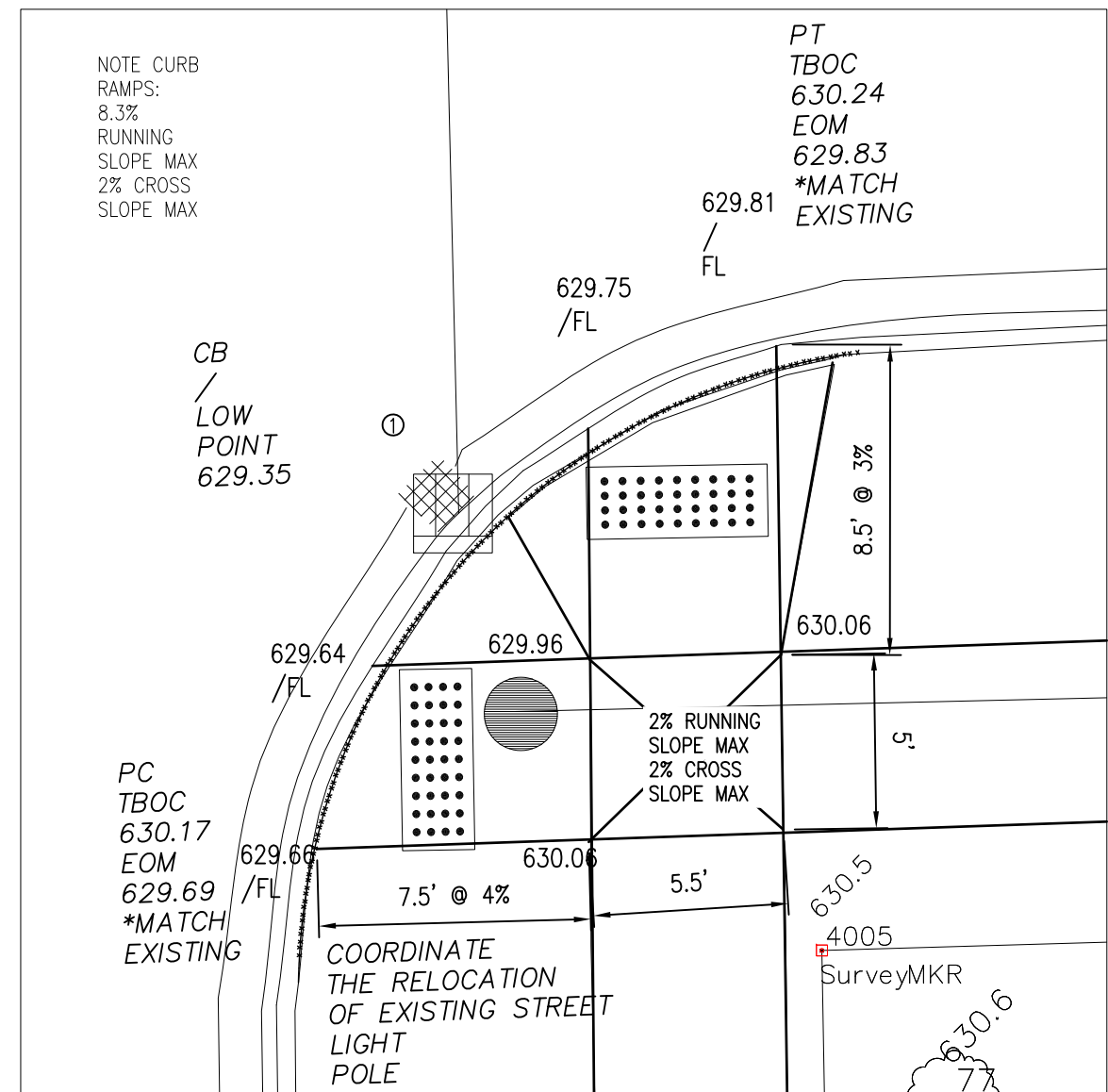
DRAWING	SHEET
RAMP DETAILS 16	42



- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K,
MODIFIED

Sidewalk Construction Quantities
SEE PAGE 21

SW QUADRANT E 6TH AVE /
KIMBALL ST



- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 21

SE QUADRANT E 6TH AVE /
KIMBALL ST

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SAULT STE. MARIE, MI 49783
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HORIZ: 1" = 5'

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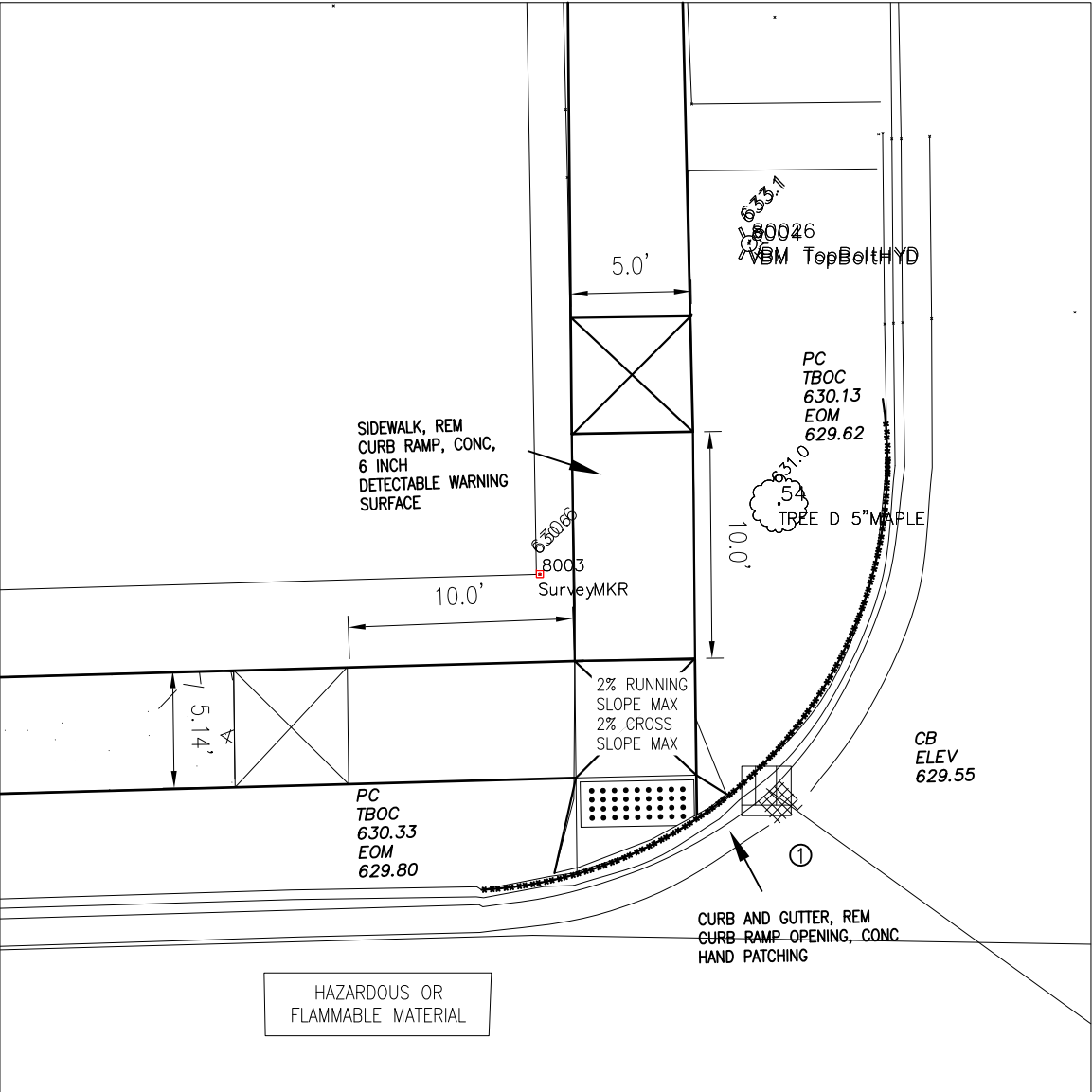
DRAWN BY: LJM
APPROVED BY: DSB
DATE: 8/24/2023

CS: STU 17000
JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING	SHEET
RAMP DETAILS 17	43

NOTE CURB RAMPS:
8.3% RUNNING SLOPE MAX
2% CROSS SLOPE MAX

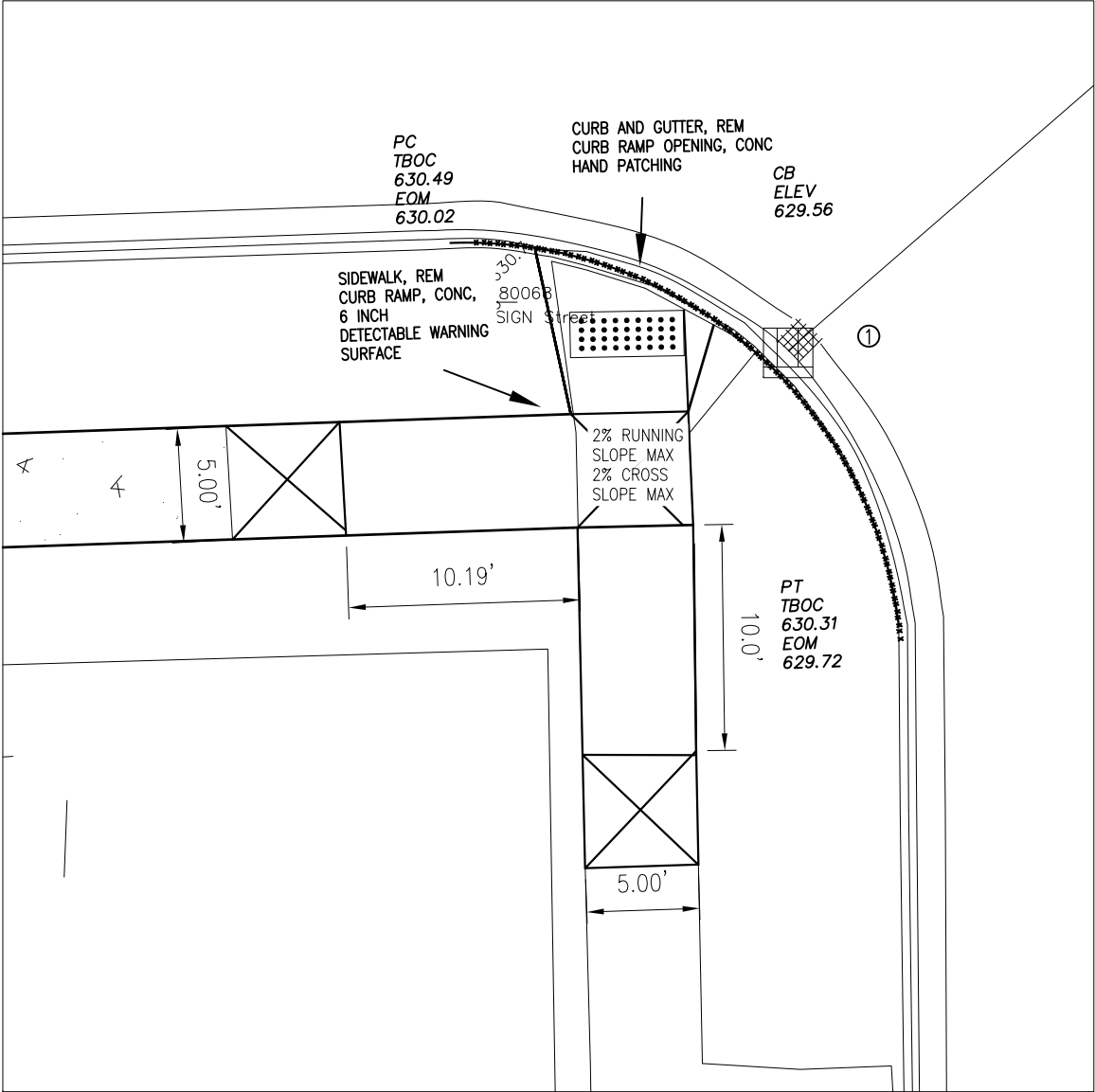


① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
OR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 21

NW QUADRANT E 6TH AVE /
SUPERIOR ST

NOTE CURB RAMPS:
8.3% RUNNING SLOPE MAX
2% CROSS SLOPE MAX



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
OR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 21

SW QUADRANT E 6TH AVE /
SUPERIOR ST

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SAULT STE. MARIE, MI 49783
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HORIZ: 1" = 8'

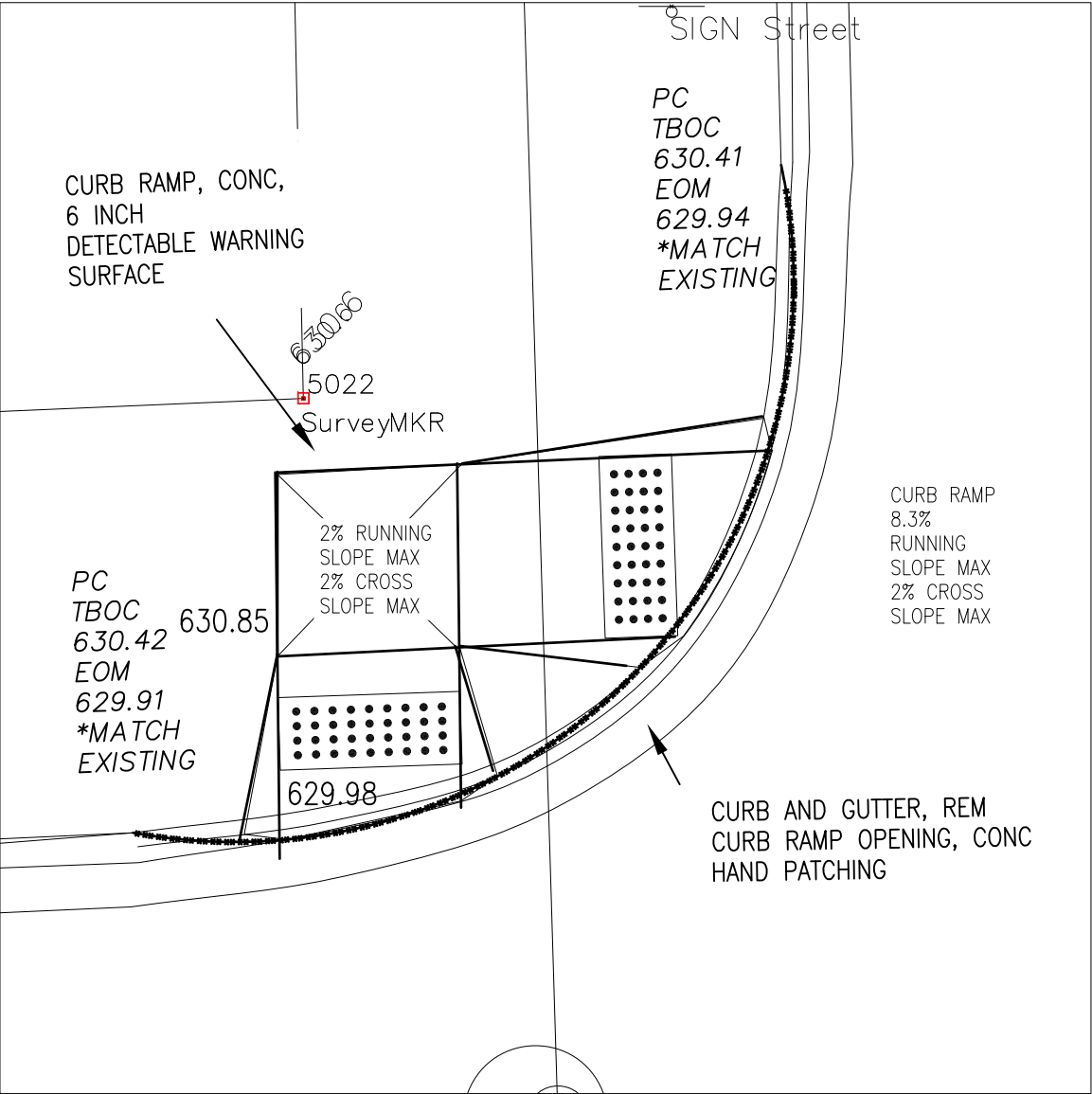
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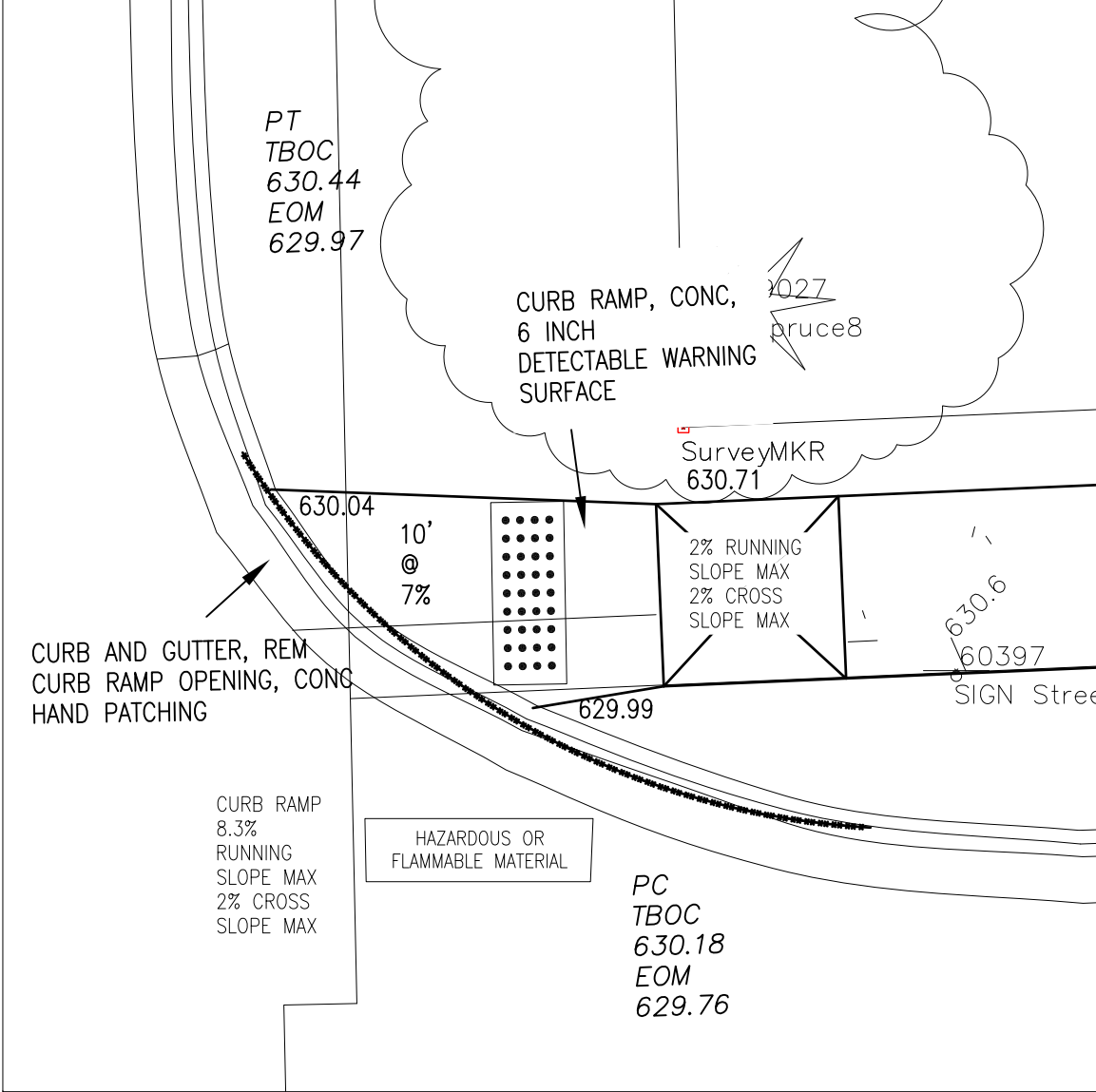
CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING SHEET
RAMP
DETAILS 18 44



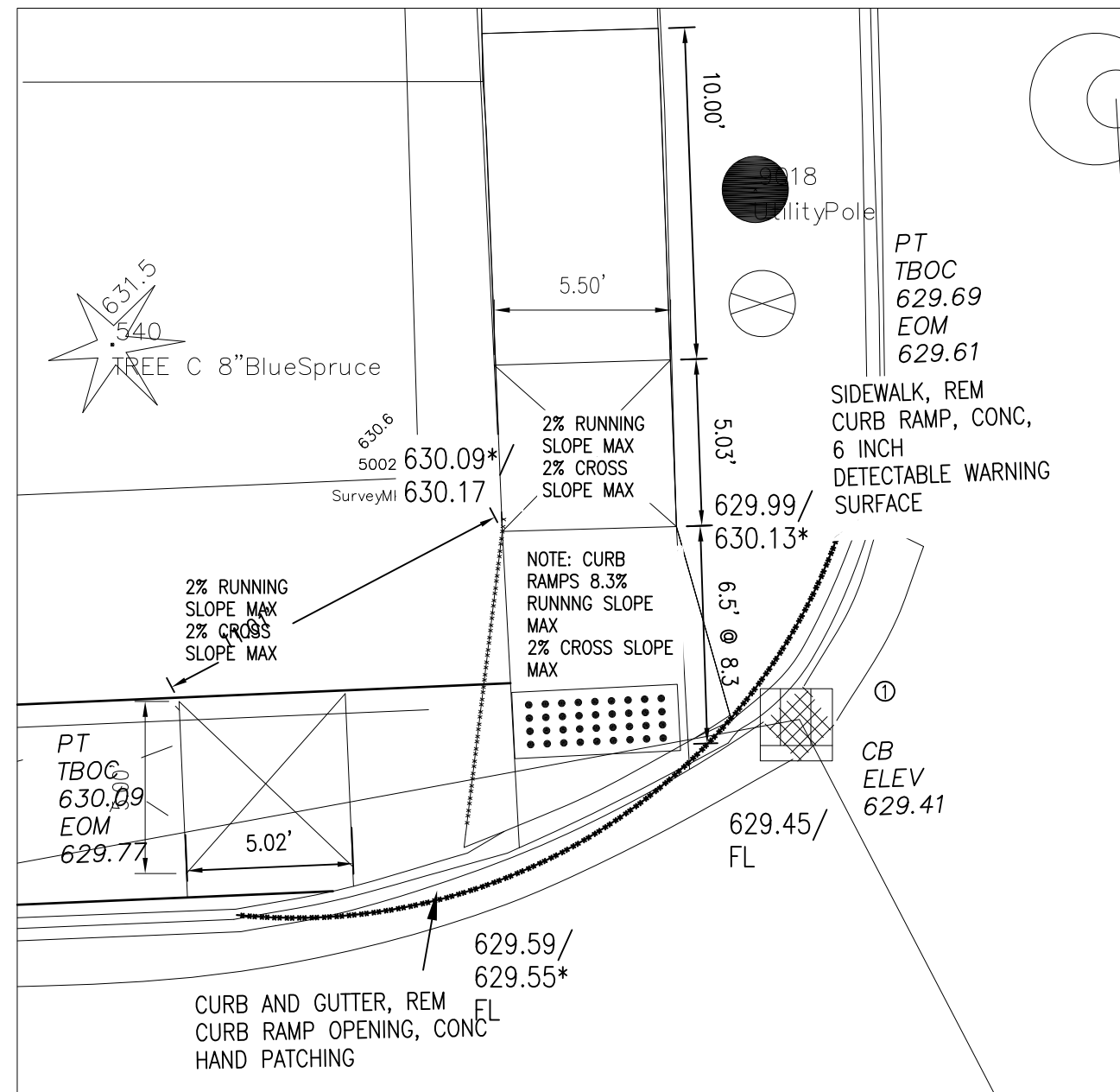
Sidewalk Construction Quantities
SEE PAGE 23

NW QUADRANT E 7TH AVE /
SWINTON ST



Sidewalk Construction Quantities
SEE PAGE 23

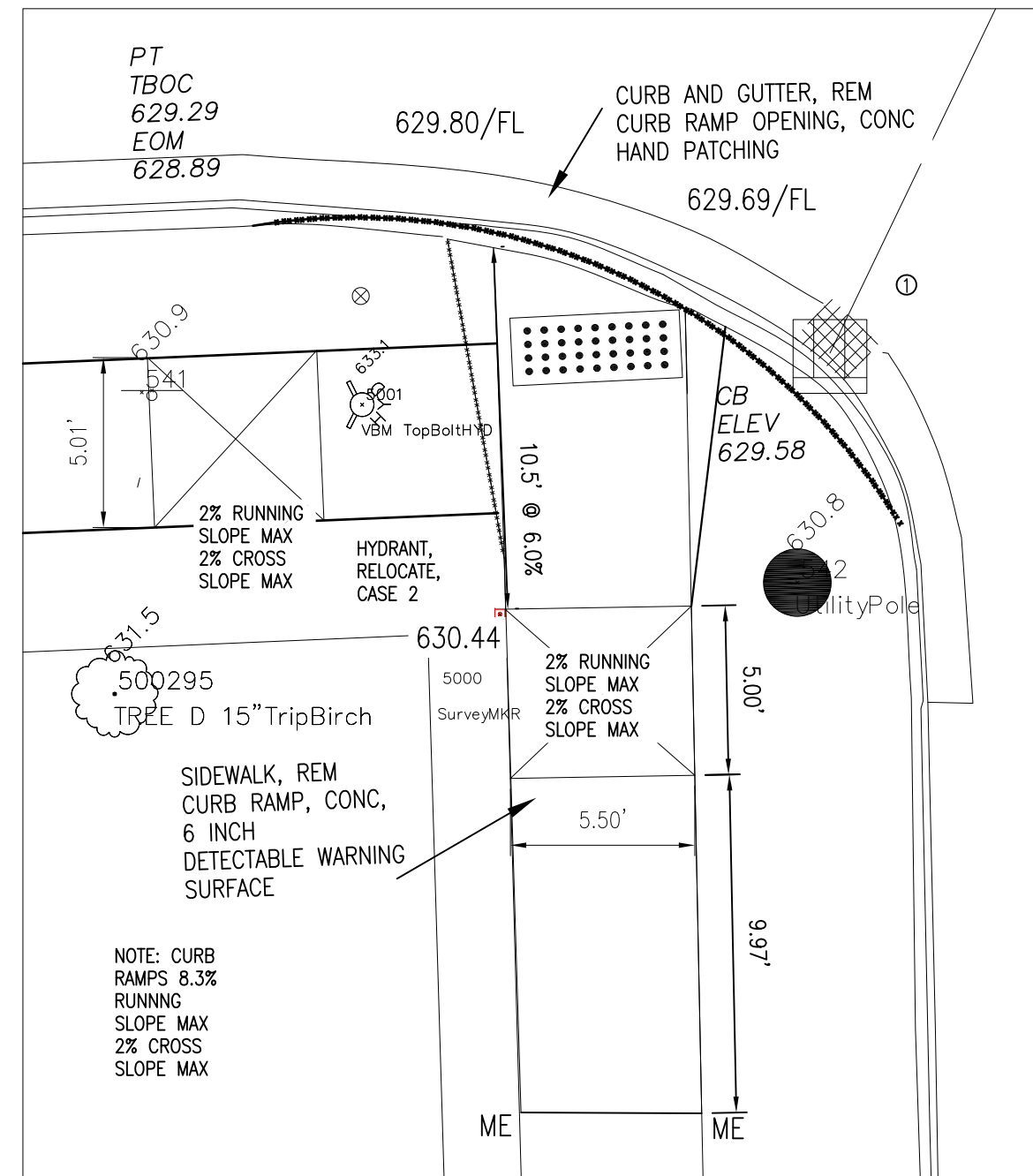
NE QUADRANT E 7TH AVE /
SWINTON ST



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 23

NW QUADRANT E 7TH AVE /
SEYMOUR ST



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 23

SW QUADRANT E 7TH AVE /
SEYMOUR ST

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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HORIZ: 1" = 5'

FILE: 217177_SR2S_BASE.DWG

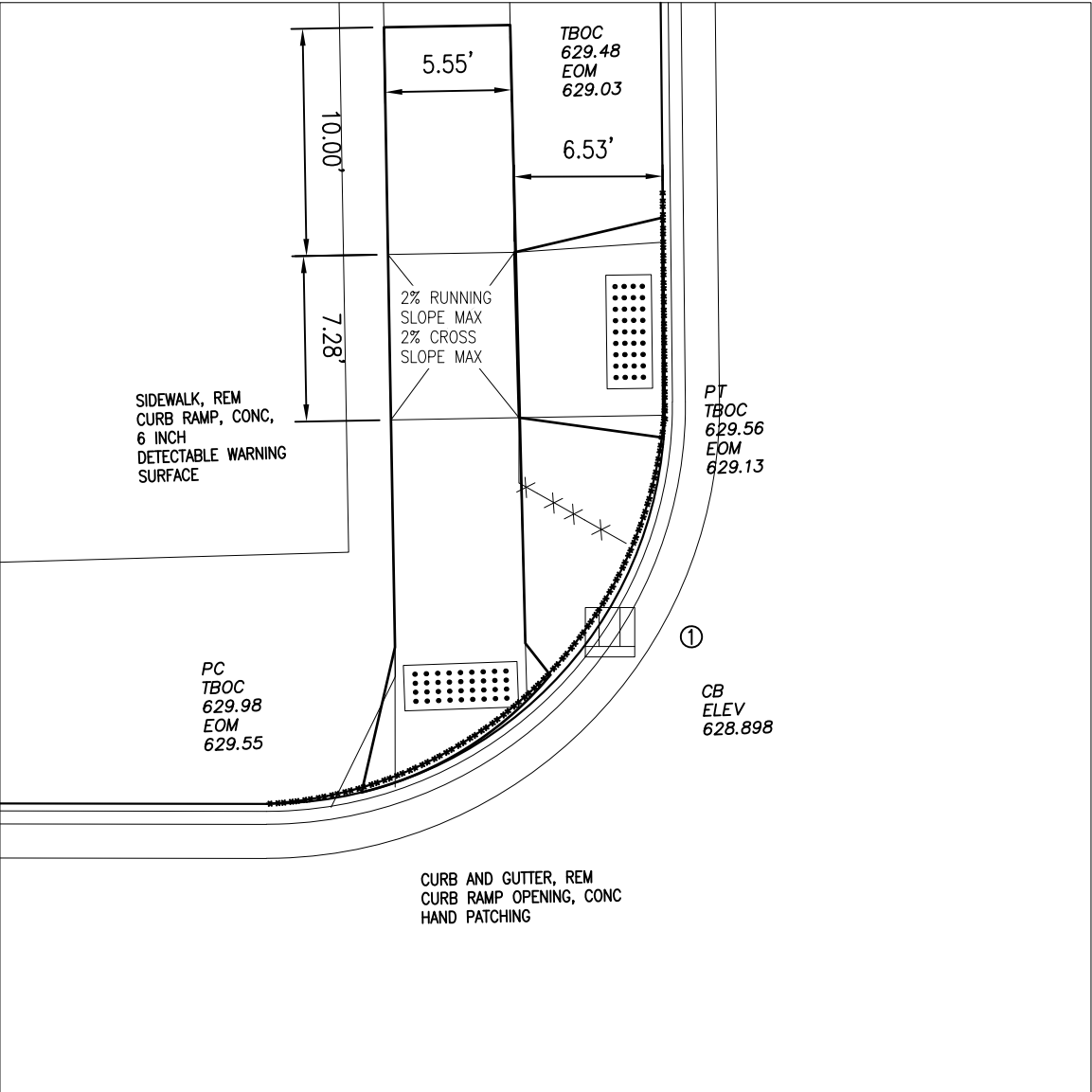
DRAWN BY: LJM
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CS: STU 17000
JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING	SHEET
RAMP DETAILS 21	47

NOTE:
CURB RAMPS
8.3% RUNNING SLOPE MAX
2% CROSS SLOPE MAX

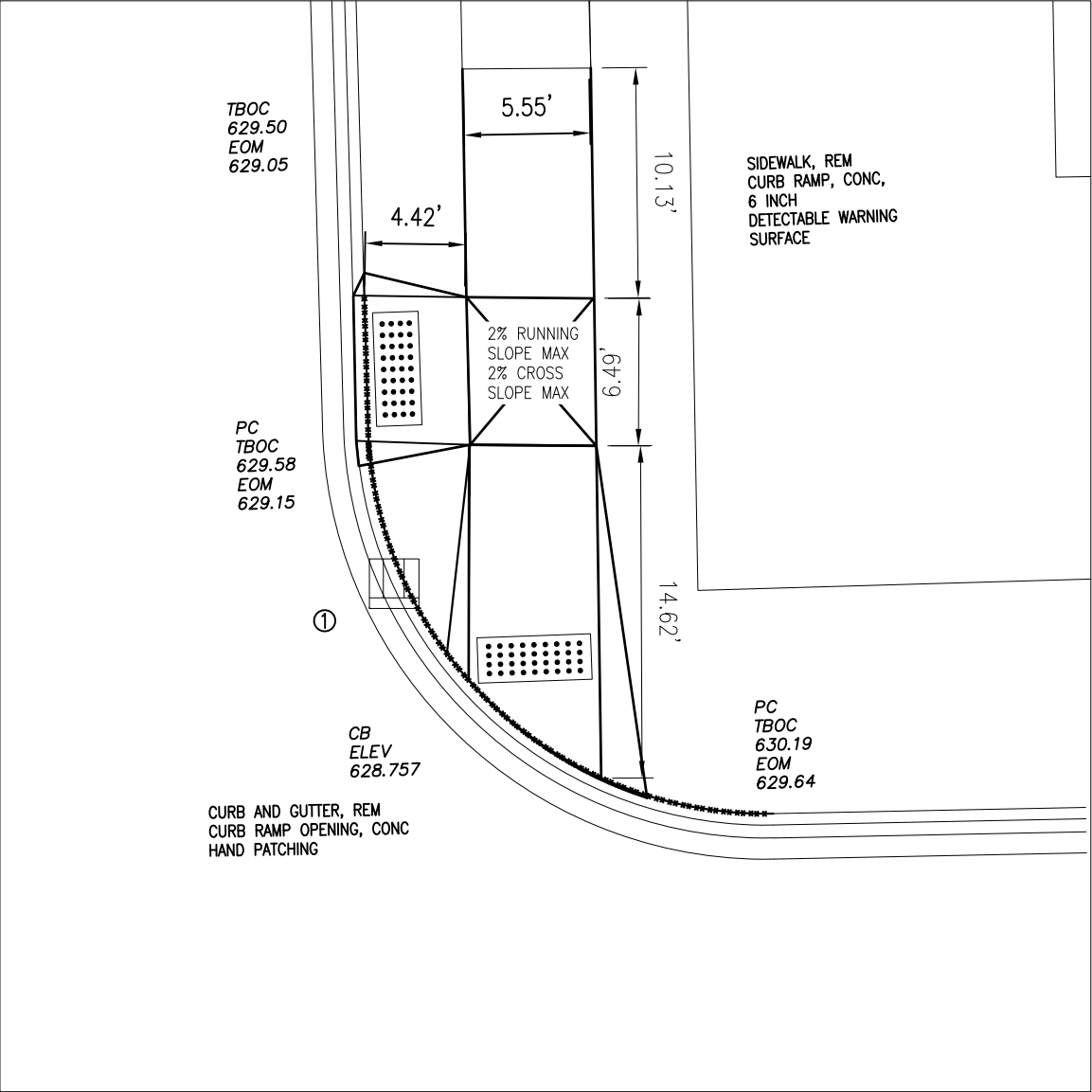


Sidewalk Construction Quantities
SEE PAGE 64

① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

NW QUADRANT MINNEAPOLIS
ST /
EAST 5TH AVE

NOTE:
CURB RAMPS
2% RUNNING SLOPE MAX
2% CROSS SLOPE MAX



Sidewalk Construction Quantities
SEE PAGE 64

① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

NE QUADRANT MINNEAPOLIS
ST /
EAST 5TH AVE

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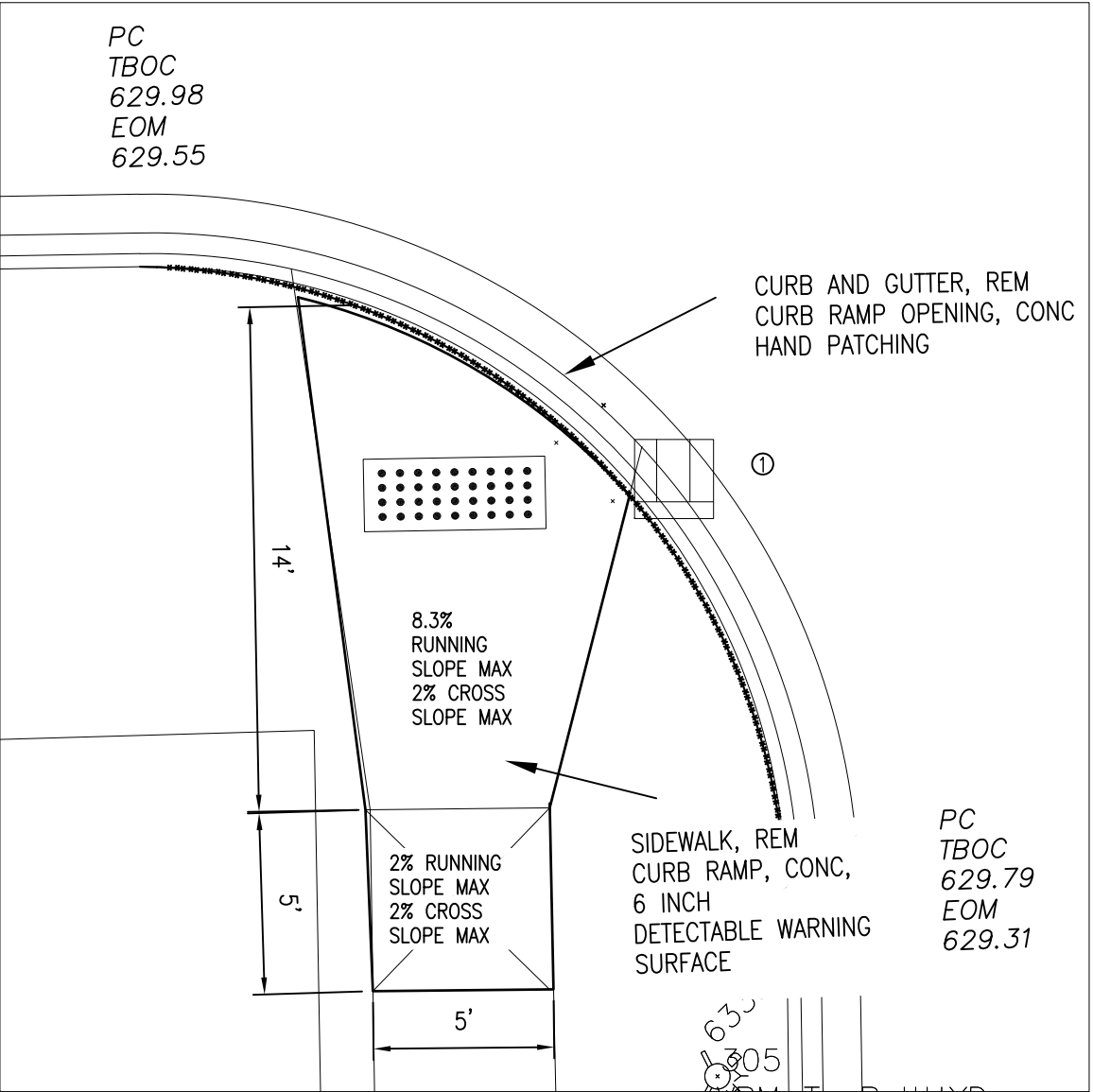
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

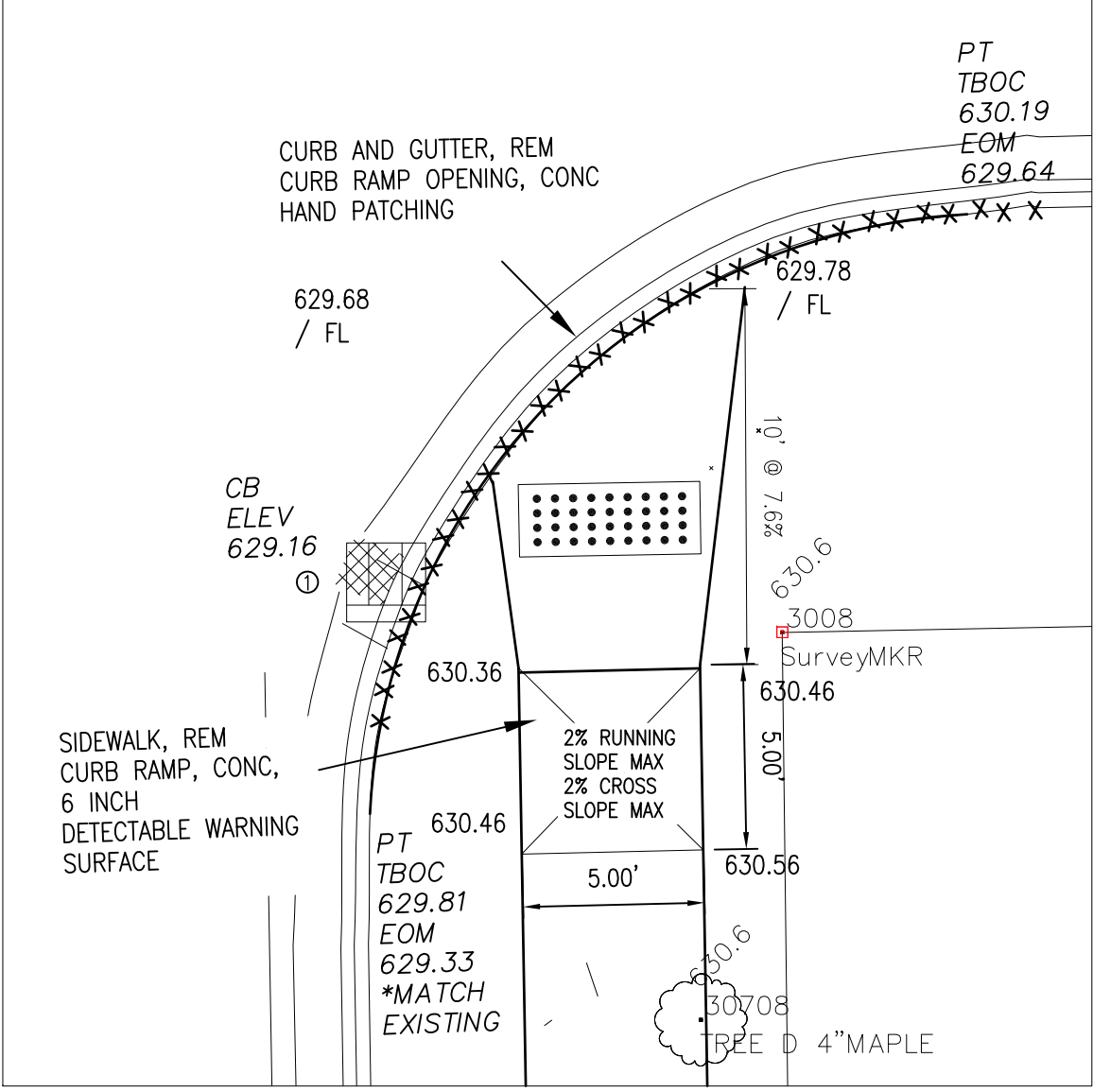
DRAWING SHEET
RAMP
DETAILS 22 48



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 25

SW QUADRANT MINNEAPOLIS
ST /
EAST 5TH AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 25

SE QUADRANT MINNEAPOLIS
ST /
EAST 5TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
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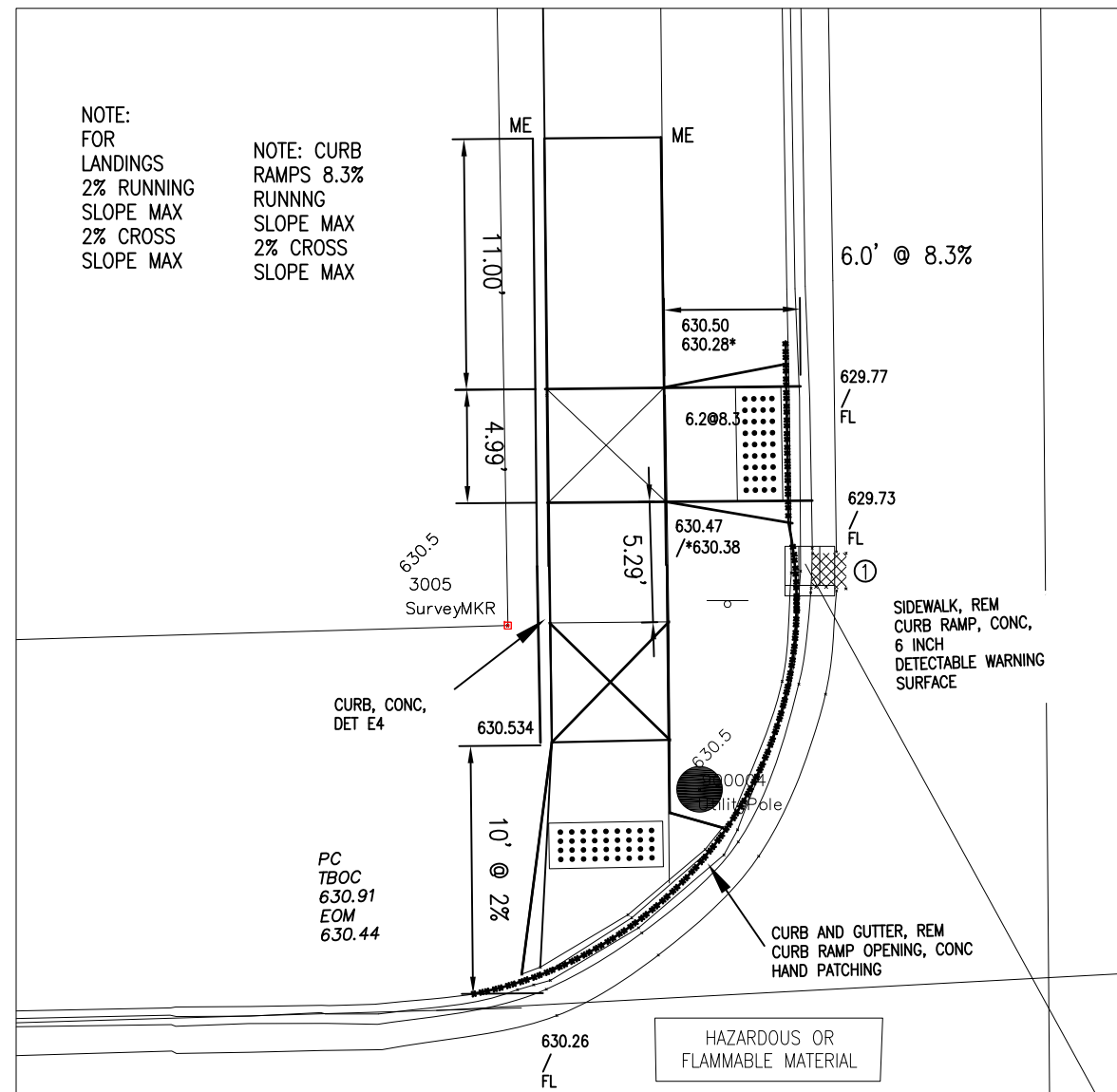
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

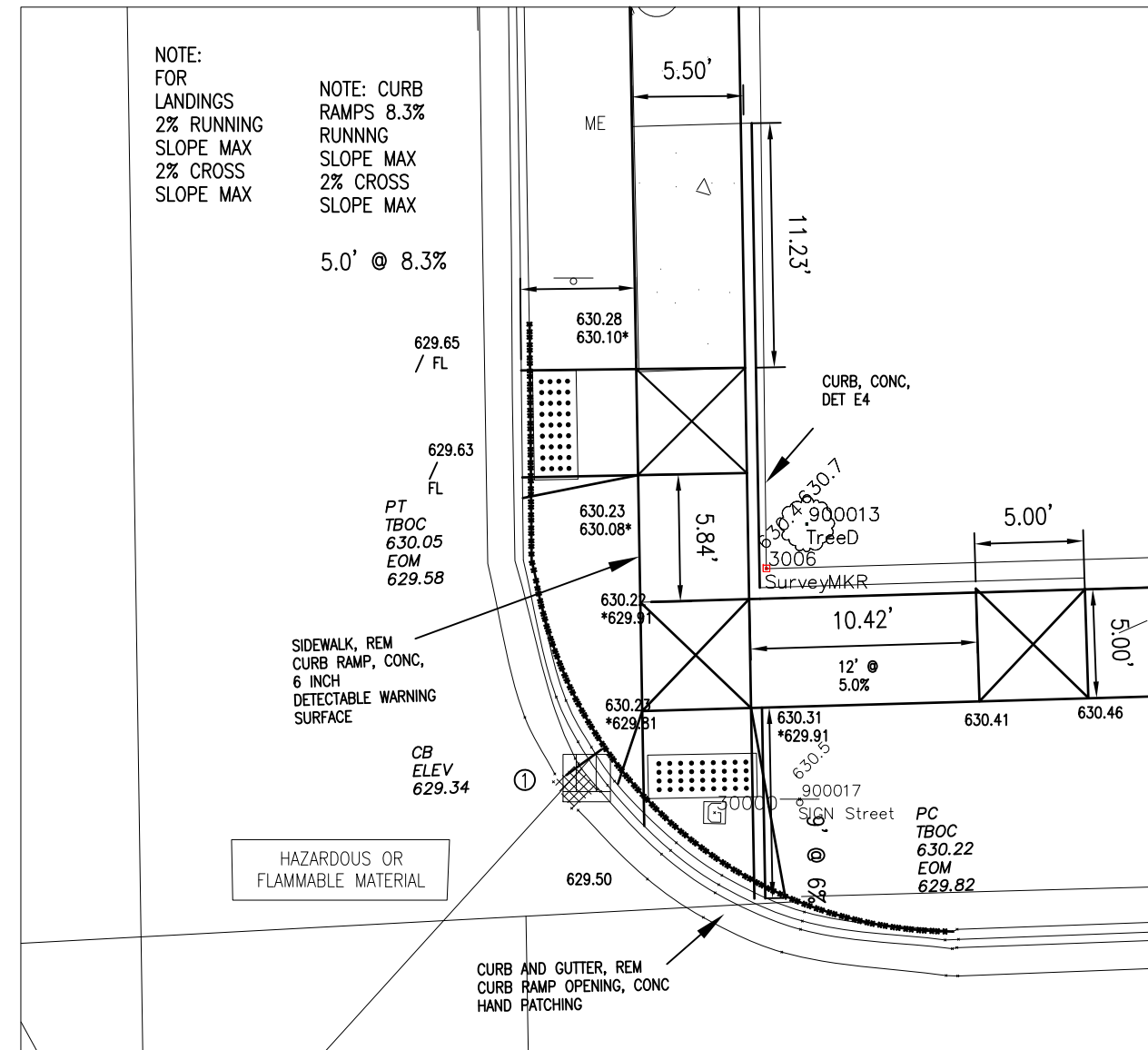
DRAWING	SHEET
RAMP DETAILS 23	49



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 25

NW QUADRANT MINNEAPOLIS
ST /
EAST 6TH AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 25

NE QUADRANT MINNEAPOLIS
ST /
EAST 6TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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SAULT STE. MARIE, MI 49783
(906) 632-5700 FAX: (906) 632-5606

HORIZ: 1" = 8'

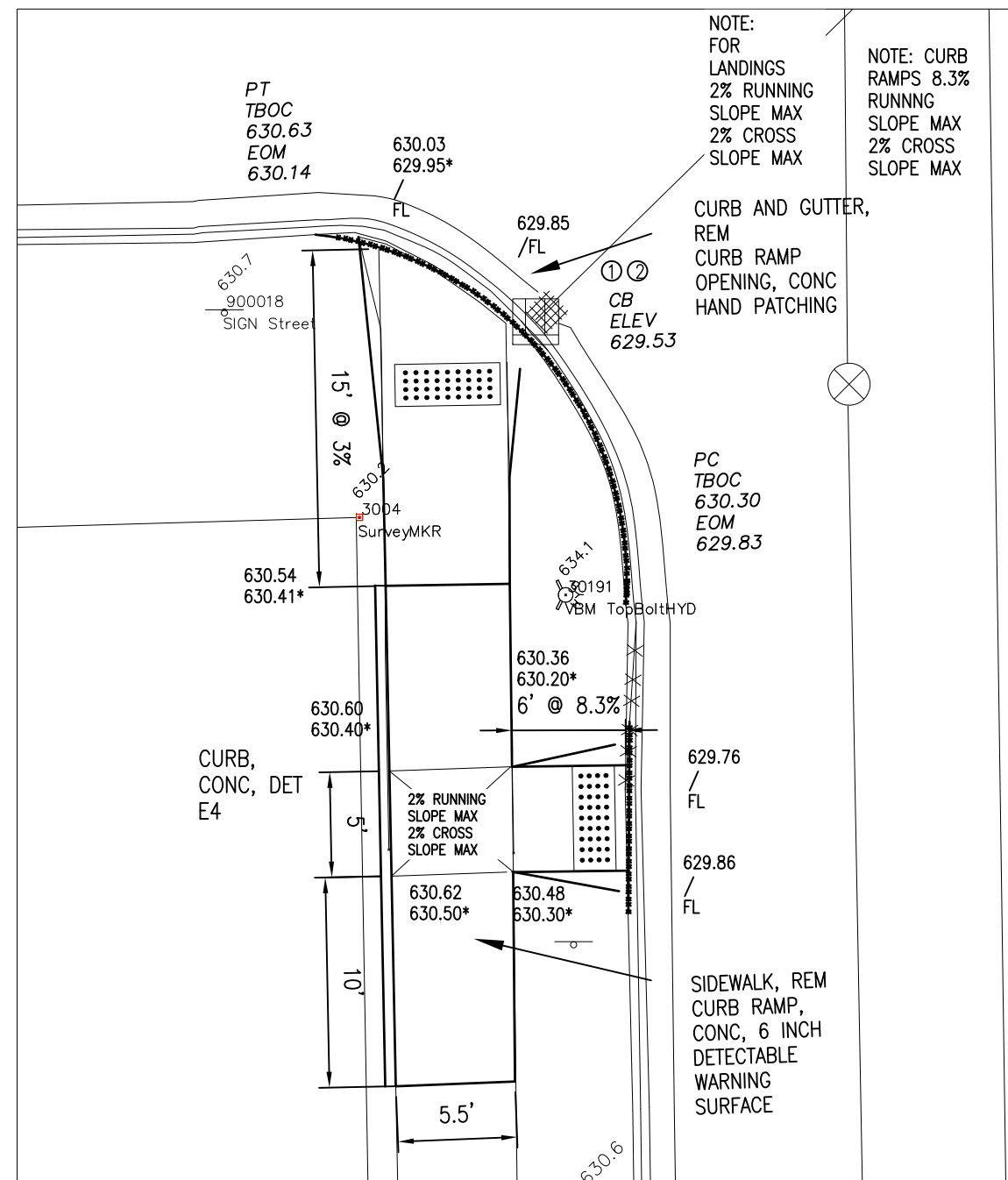
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JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

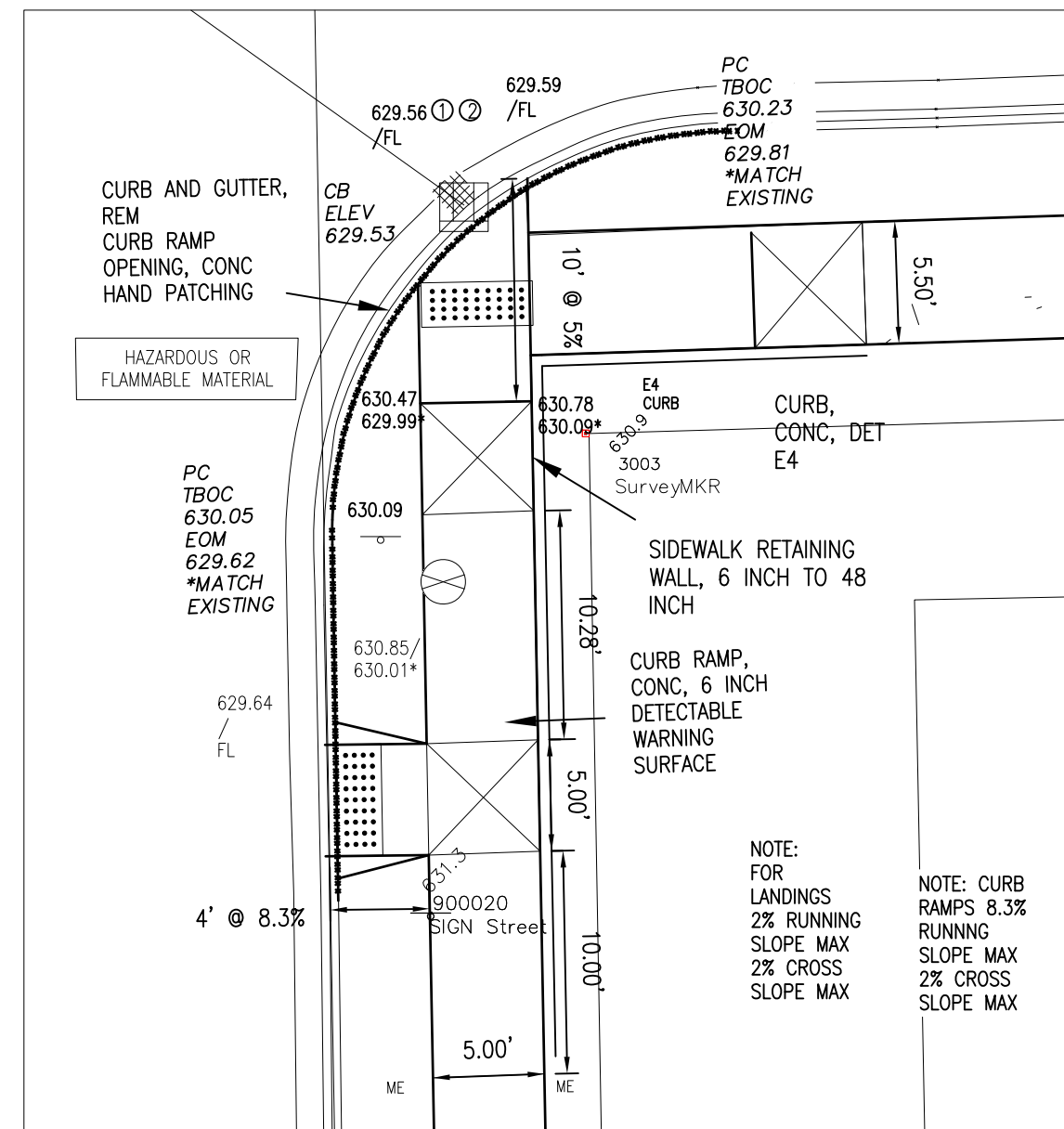
DRAWING SHEET
RAMP
DETAILS
24 50



- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K,
MODIFIED

Sidewalk Construction Quantities
SEE PAGE 25

SW QUADRANT MINNEAPOLIS ST / EAST 6TH AVE



- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K,
MODIFIED

Sidewalk Construction Quantities
SEE PAGE 25

SE QUADRANT MINNEAPOLIS ST/ EAST 6TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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HORIZ: 1" = 8'

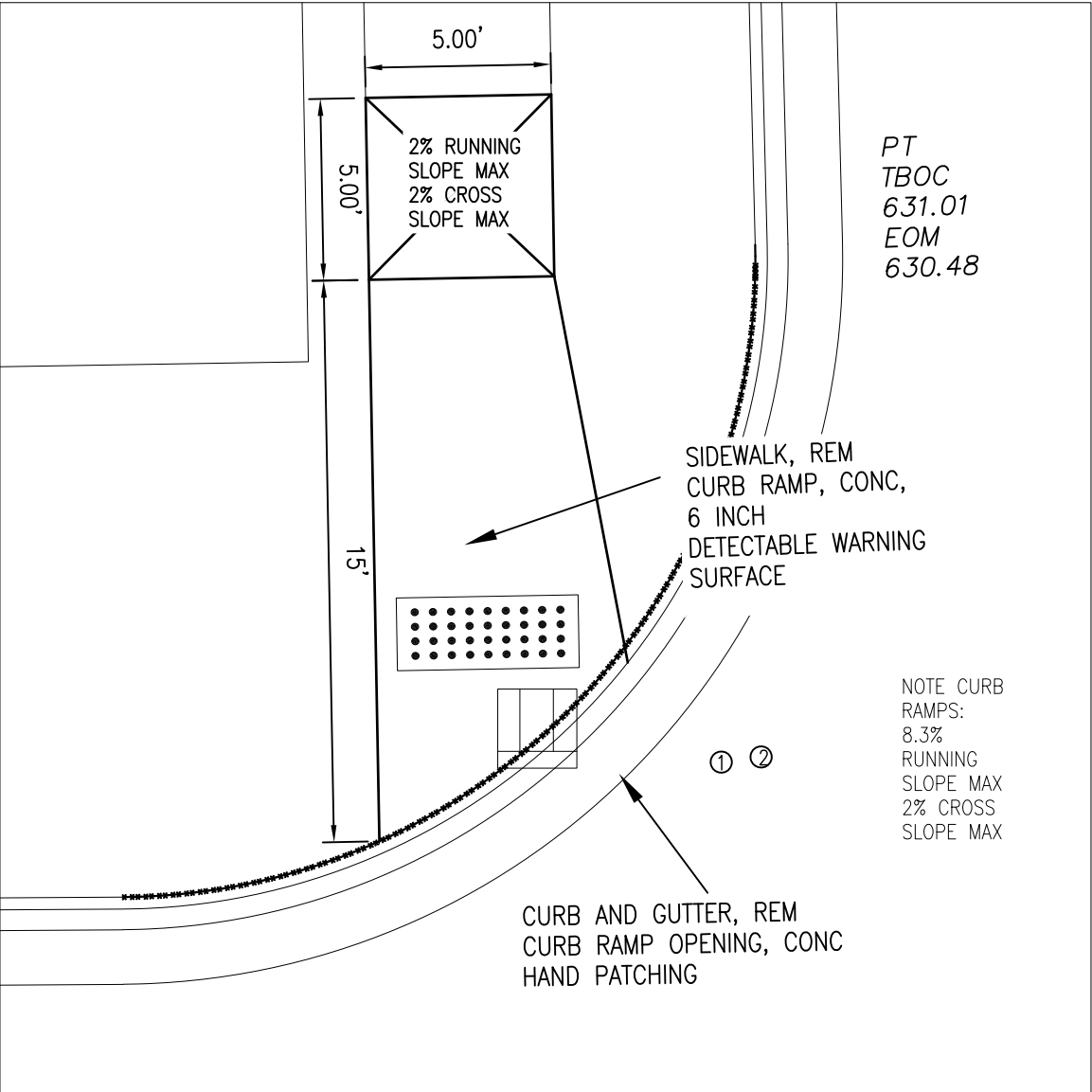
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	DATE: 8/24/2023

CS: STU 17000
JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

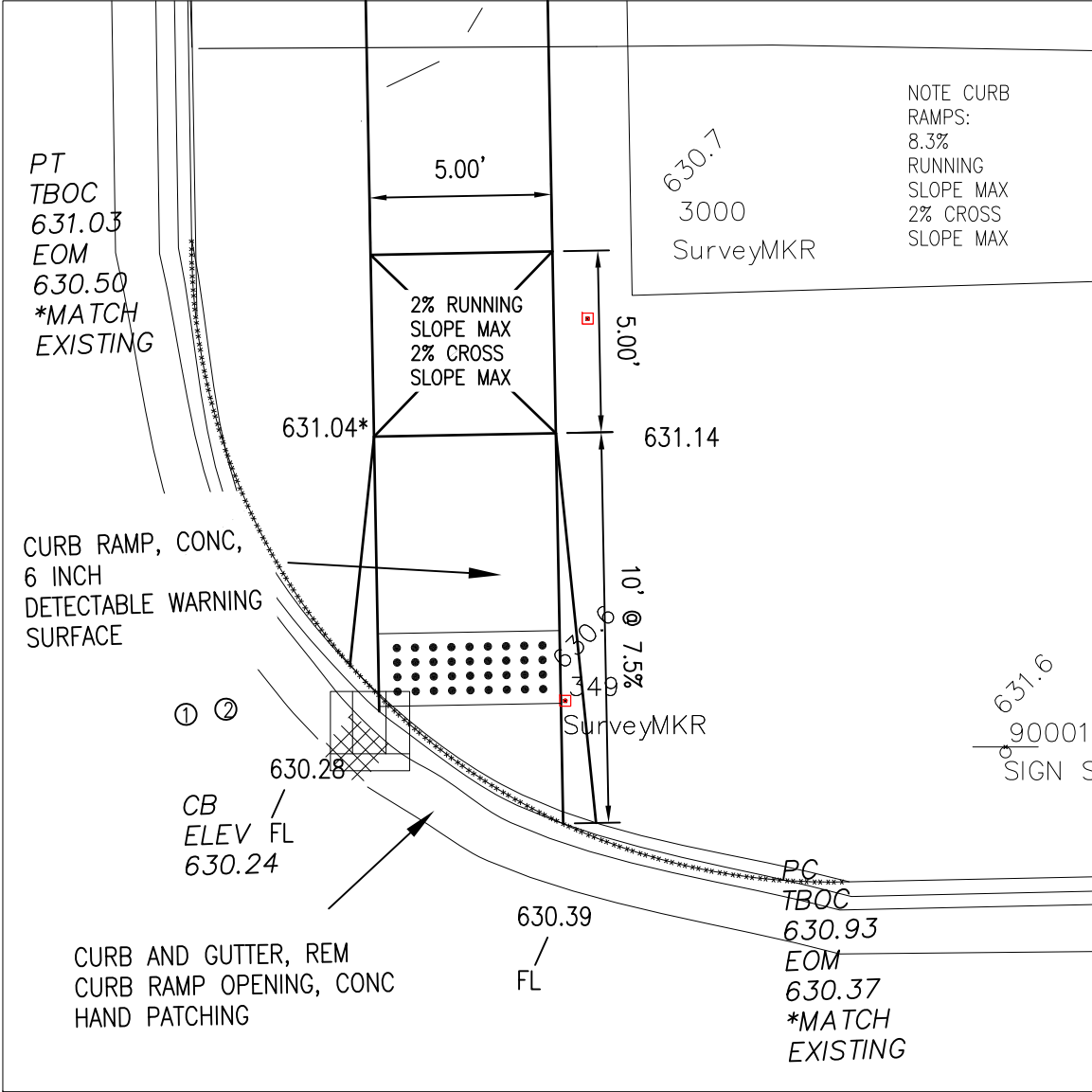
DRAWING	SHEET
RAMP DETAILS 25	51



- ① EROSION CONTROL, INLET PROTECTION FABRIC DROP DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K, MODIFIED

Sidewalk Construction Quantities
SEE PAGE 25

NW QUADRANT MINNEAPOLIS
ST /
EAST 7TH AVE



- ① EROSION CONTROL, INLET PROTECTION FABRIC DROP DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K, MODIFIED

Sidewalk Construction Quantities
SEE PAGE 25

NE QUADRANT MINNEAPOLIS
ST /
EAST 7TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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SAULT STE. MARIE, MI 49783
(906) 632-5700 FAX: (906) 635-5606

HORIZ: 1" = 5'

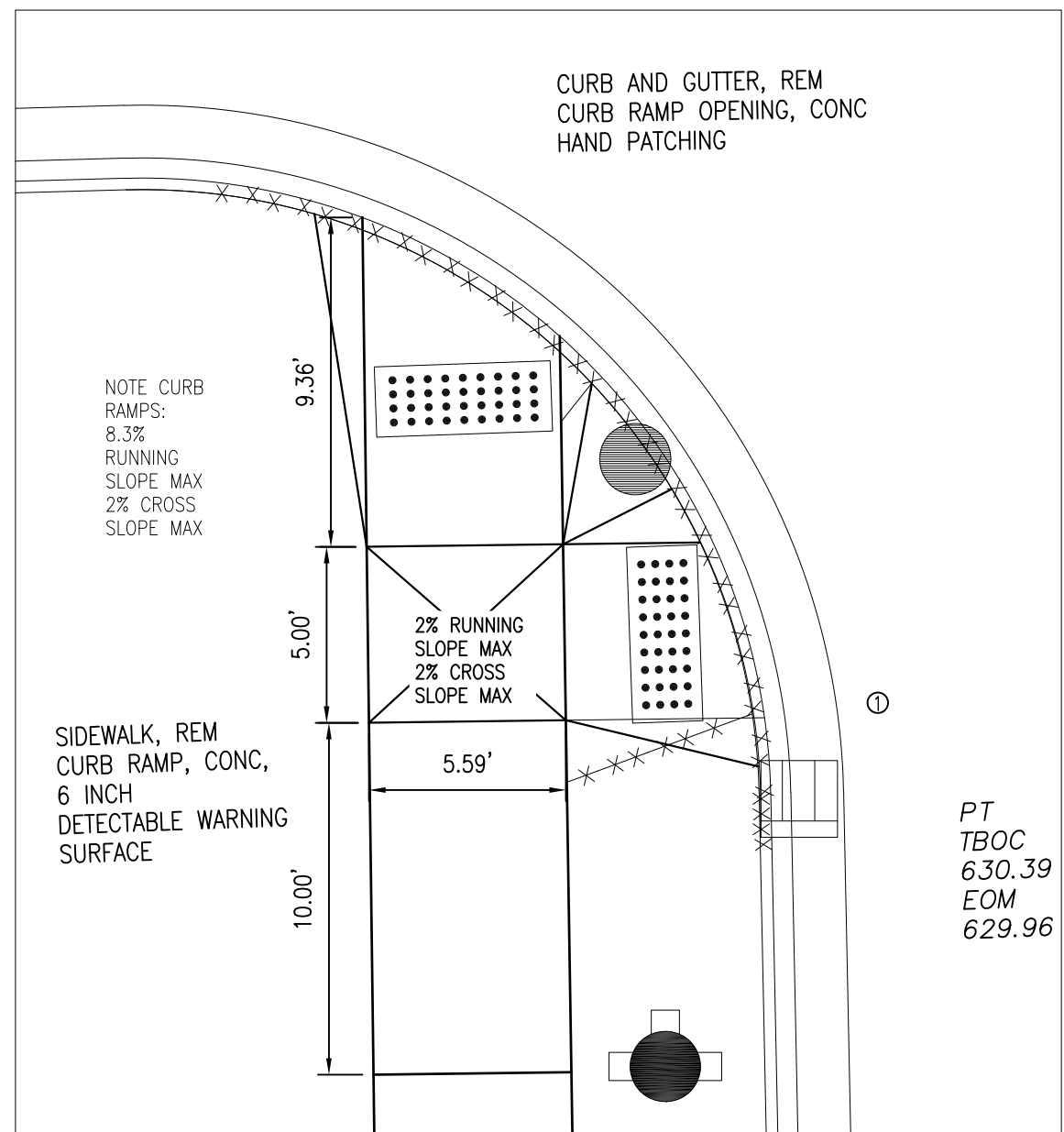
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

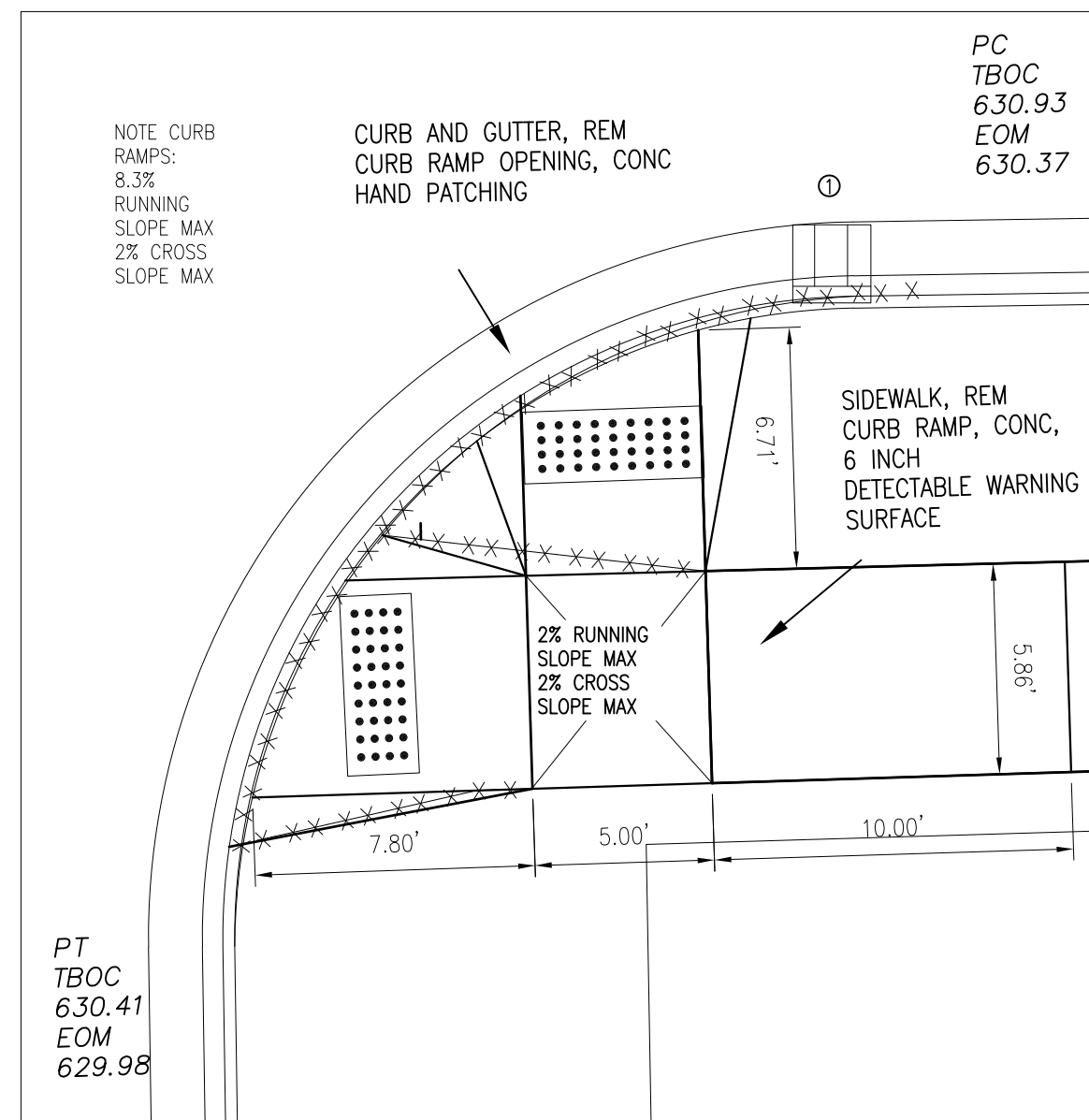
DRAWING SHEET
RAMP
DETAILS
26 52



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

SW QUADRANT MINNEAPOLIS
ST /
EAST 7TH AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

SE QUADRANT MINNEAPOLIS
ST /
EAST 7TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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HORIZ: 1" = 5'

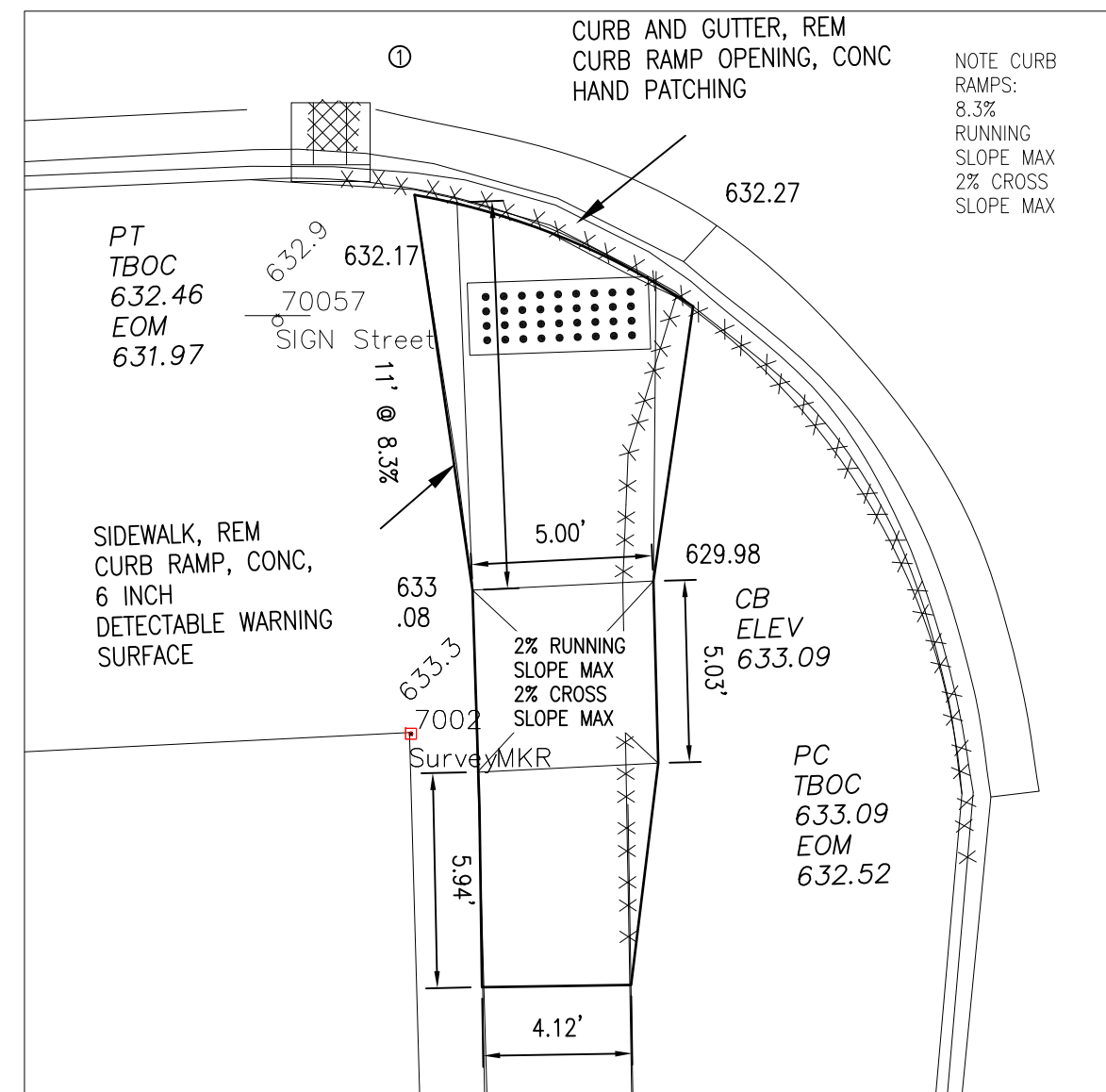
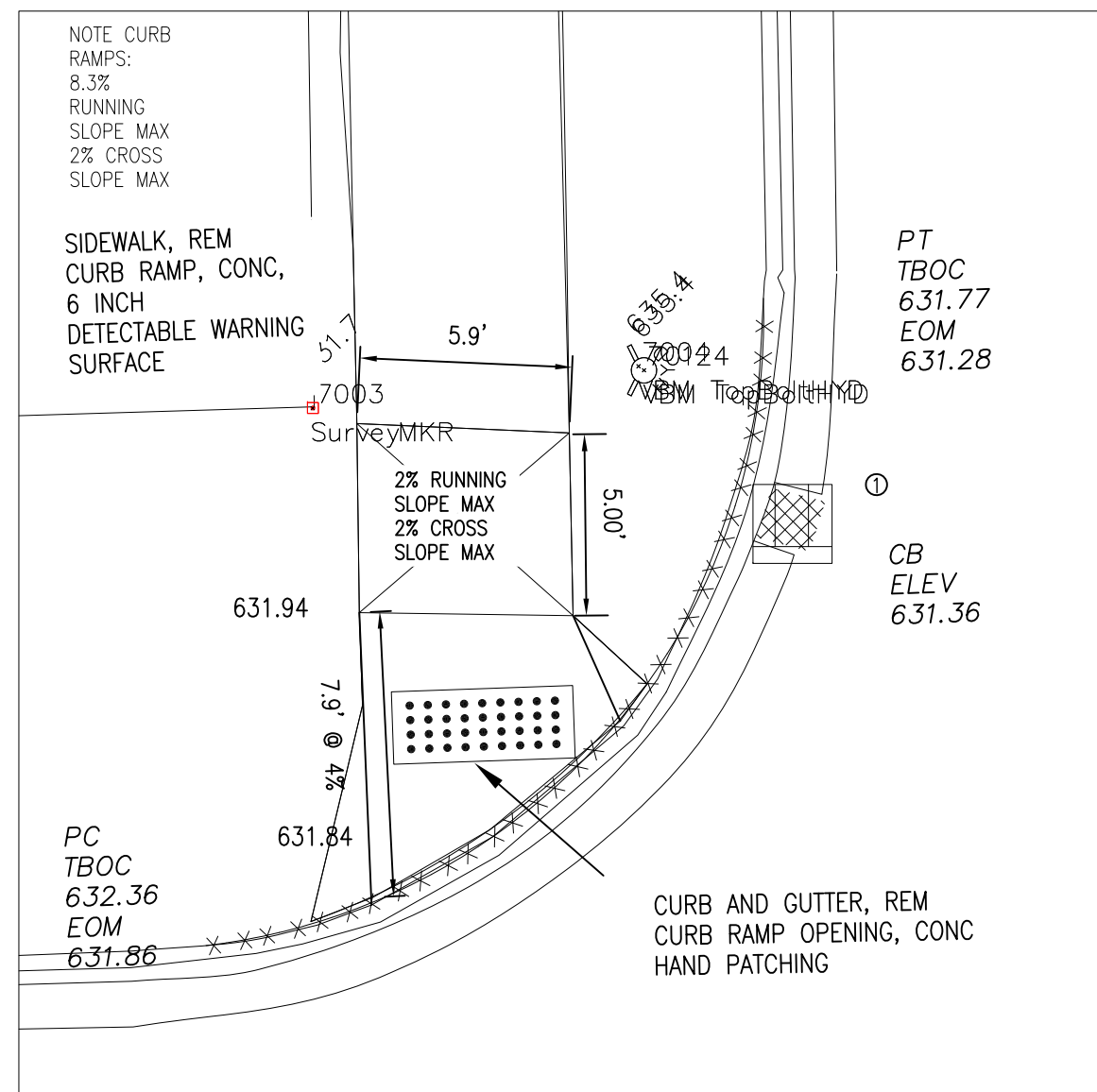
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING SHEET
RAMP
DETAILS
27 53



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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HORIZ: 1" = 5'

FILE: 217177_SR2S_BASE.DWG

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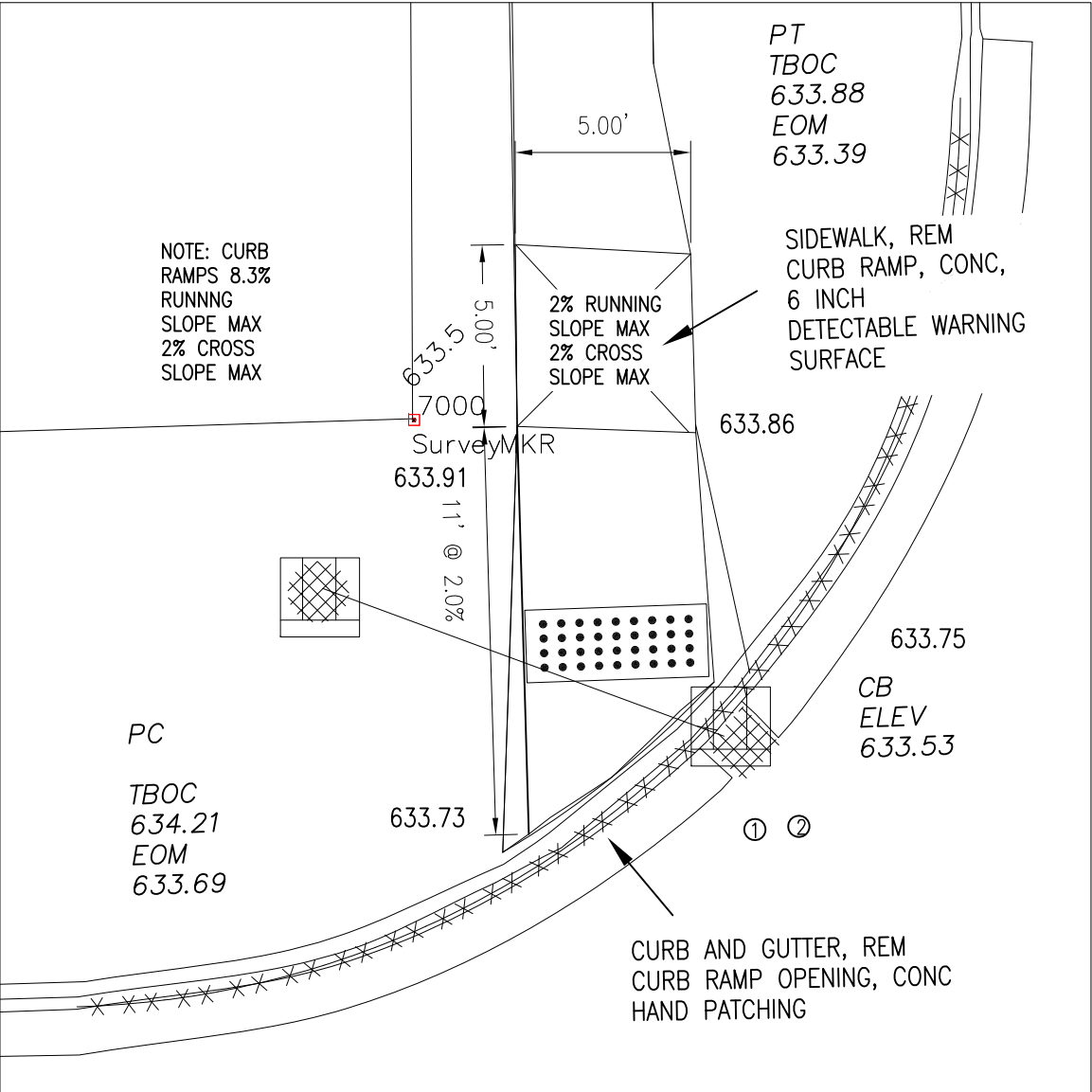
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CONSTRUCTION SHEET

SAFE ROUTES TO SCHOOLS

SIDEWALK RAMP DETAILS

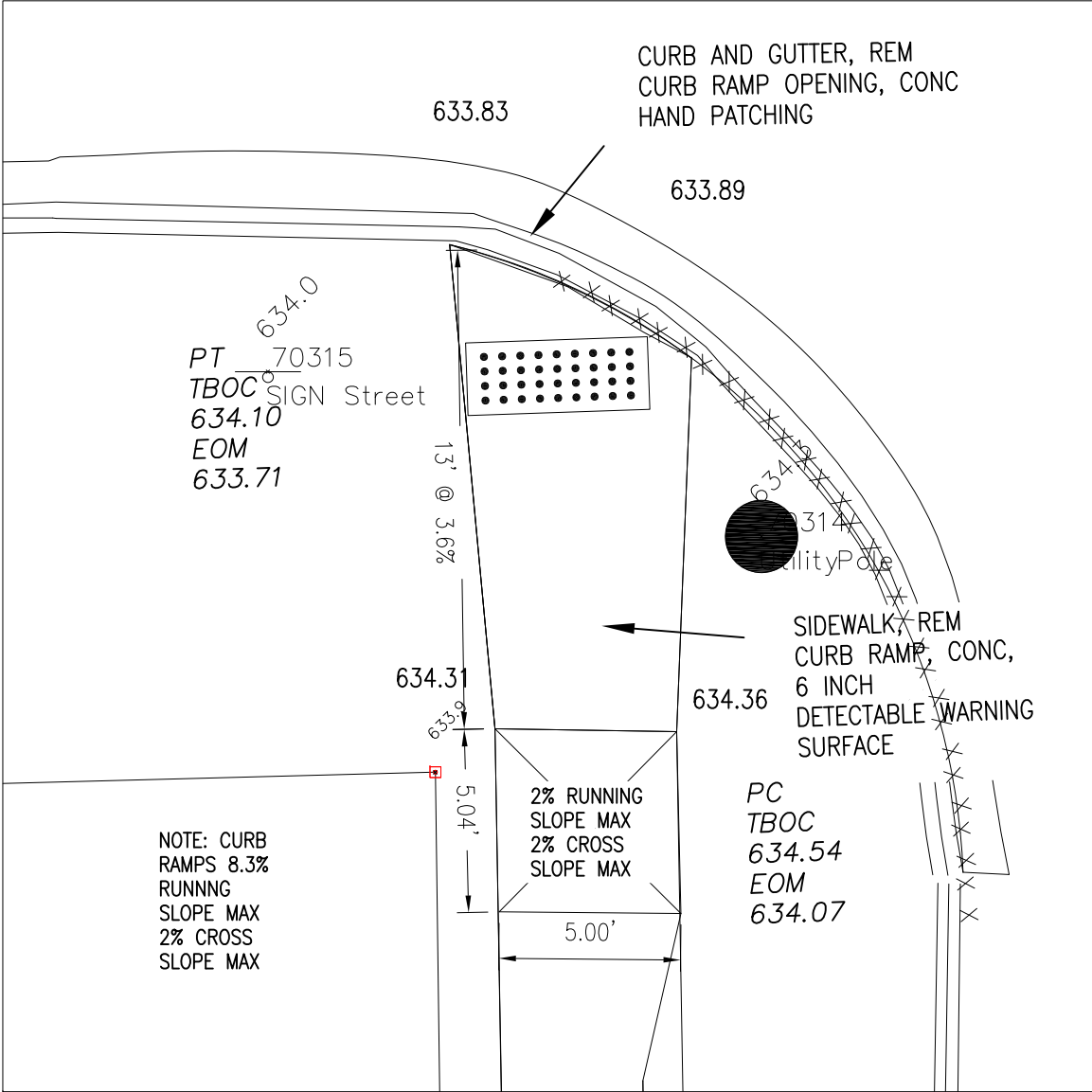
DRAWING	SHEET
RAMP DETAILS 28	54



- ① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1
- ② DR STRUCTURE COVER, TYPE K,
MODIFIED

Sidewalk Construction Quantities
SEE PAGE 64

NW QUADRANT MINNEAPOLIS
ST /
EAST 11TH AVE



Sidewalk Construction Quantities
SEE PAGE 64

SW QUADRANT MINNEAPOLIS
ST /
EAST 11TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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SAULT STE. MARIE, MI 49783
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HORIZ: 1" = 5'

FILE: 217177_SR2S_BASE.DWG

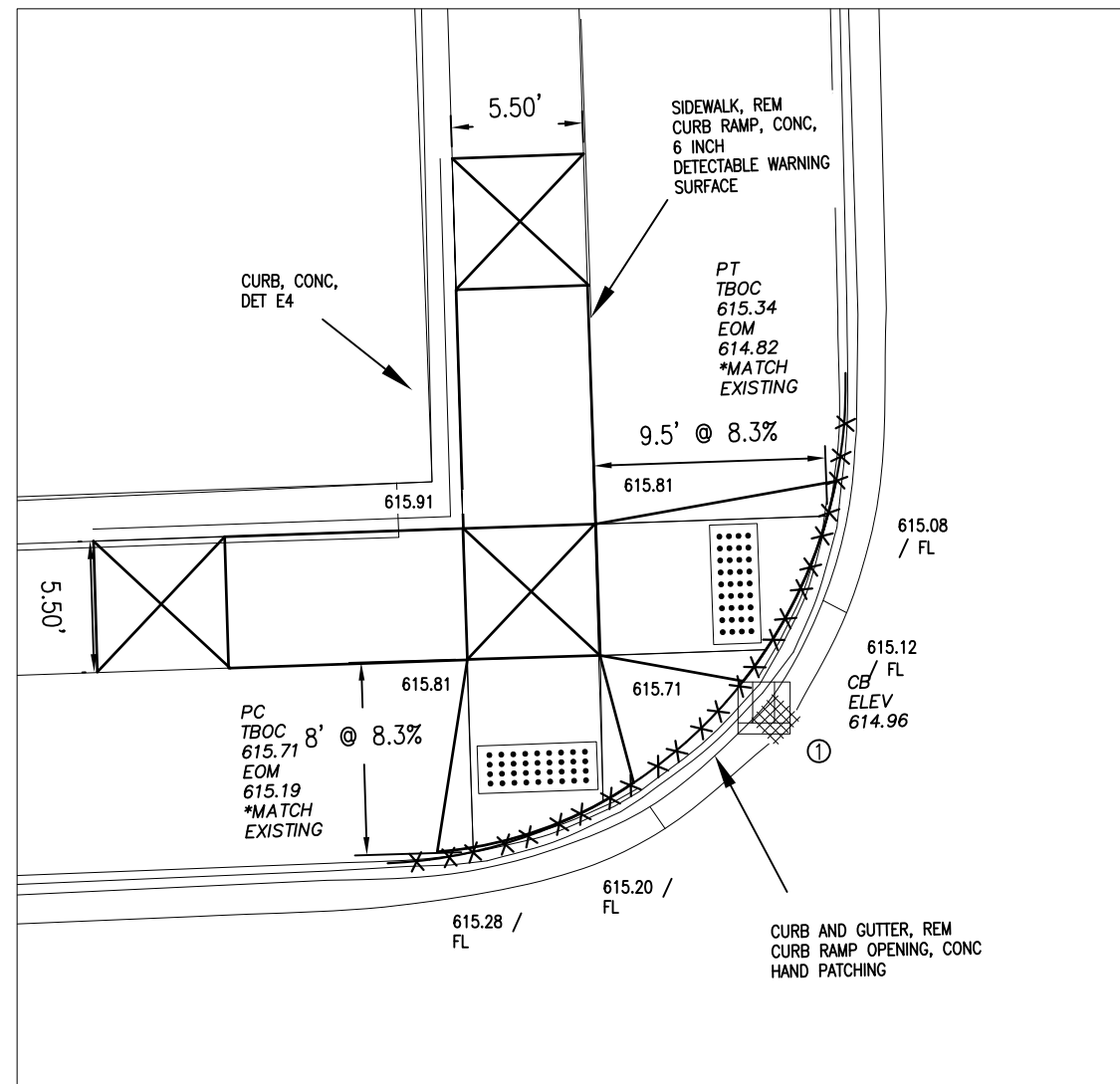
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING SHEET
RAMP
DETAILS 29 55

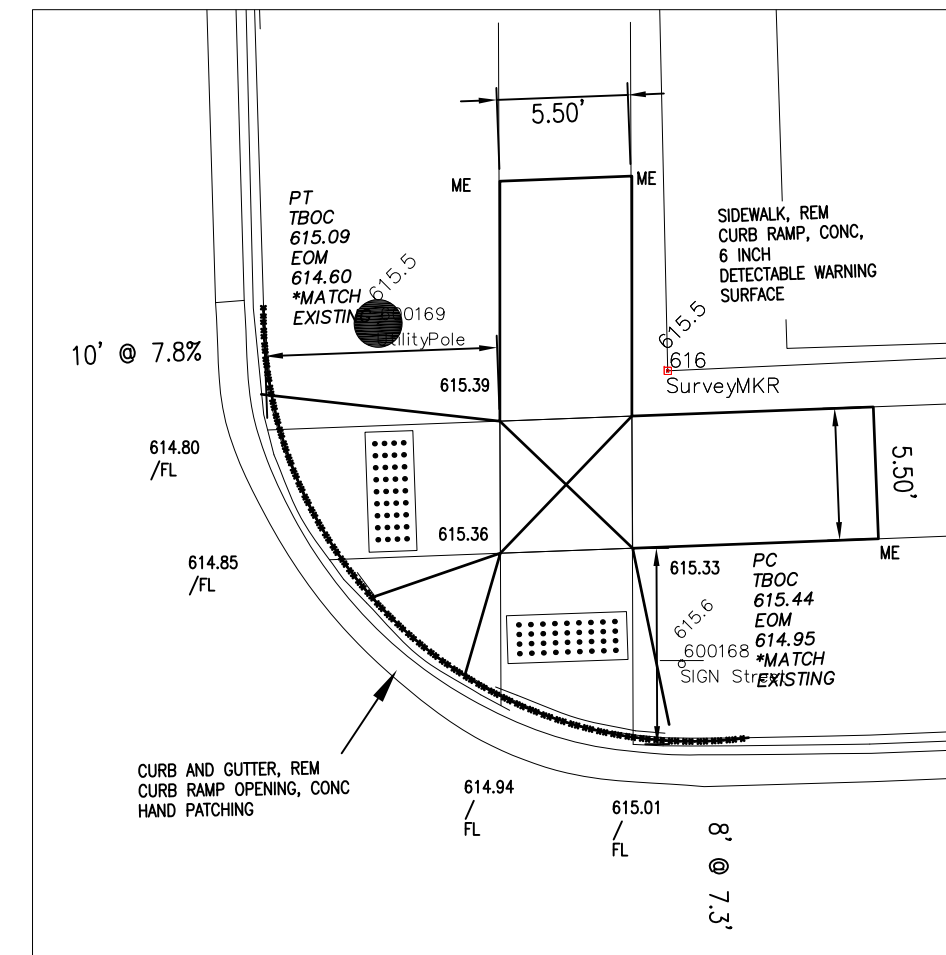
NOTE: CURB
RAMPS 8.3%
RUNNING
SLOPE MAX
2% CROSS
SLOPE MAX



Sidewalk Construction Quantities
SEE PAGE 64

NW QUADRANT JOHNSTON ST
/
ADAMS AVE

NOTE: CURB
RAMPS 8.3%
RUNNING
SLOPE MAX
2% CROSS
SLOPE MAX



Sidewalk Construction Quantities
SEE PAGE 64

NE QUADRANT JOHNSTON
ST/
ADAMS AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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HORIZ: 1" = 5'

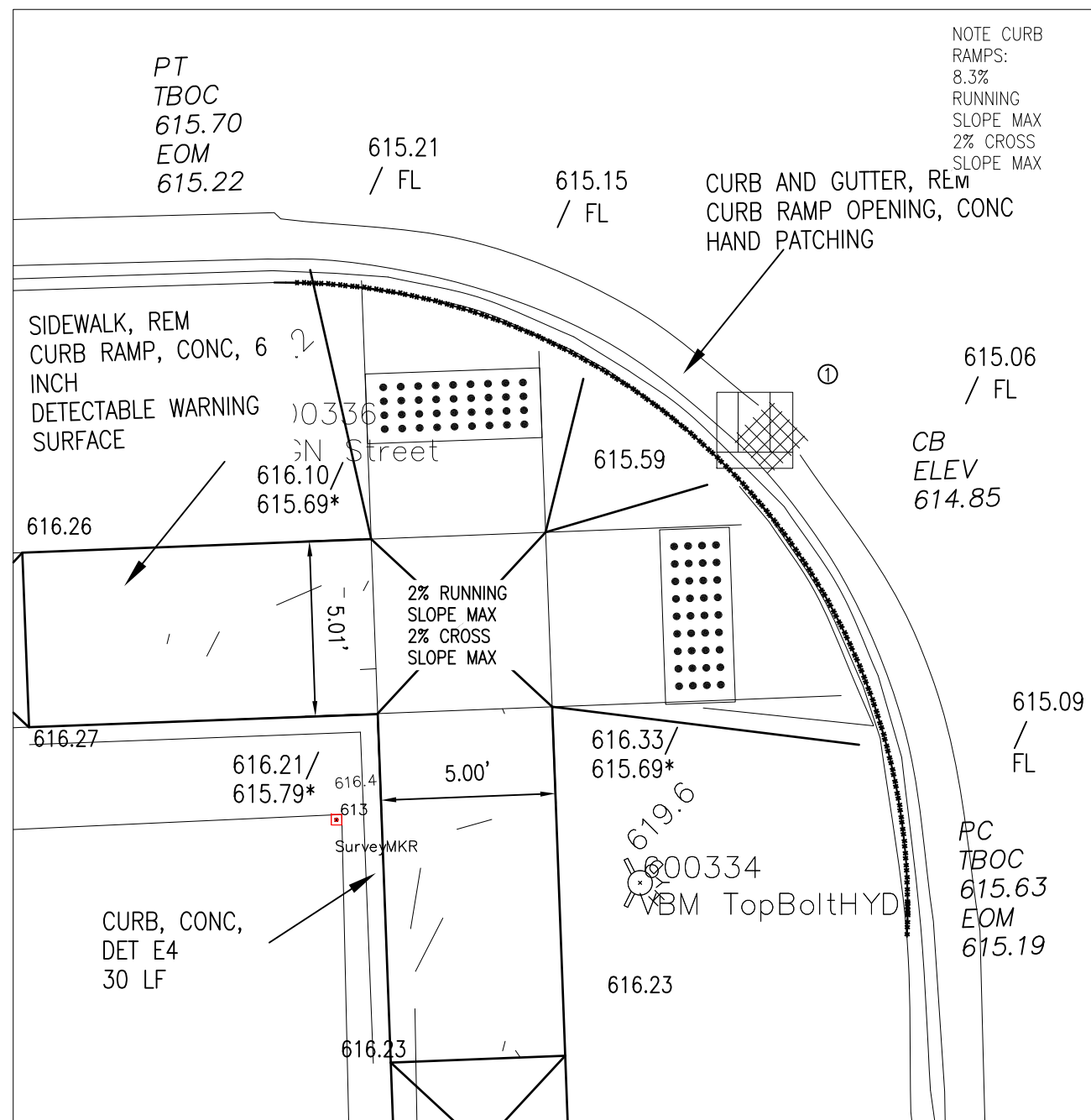
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

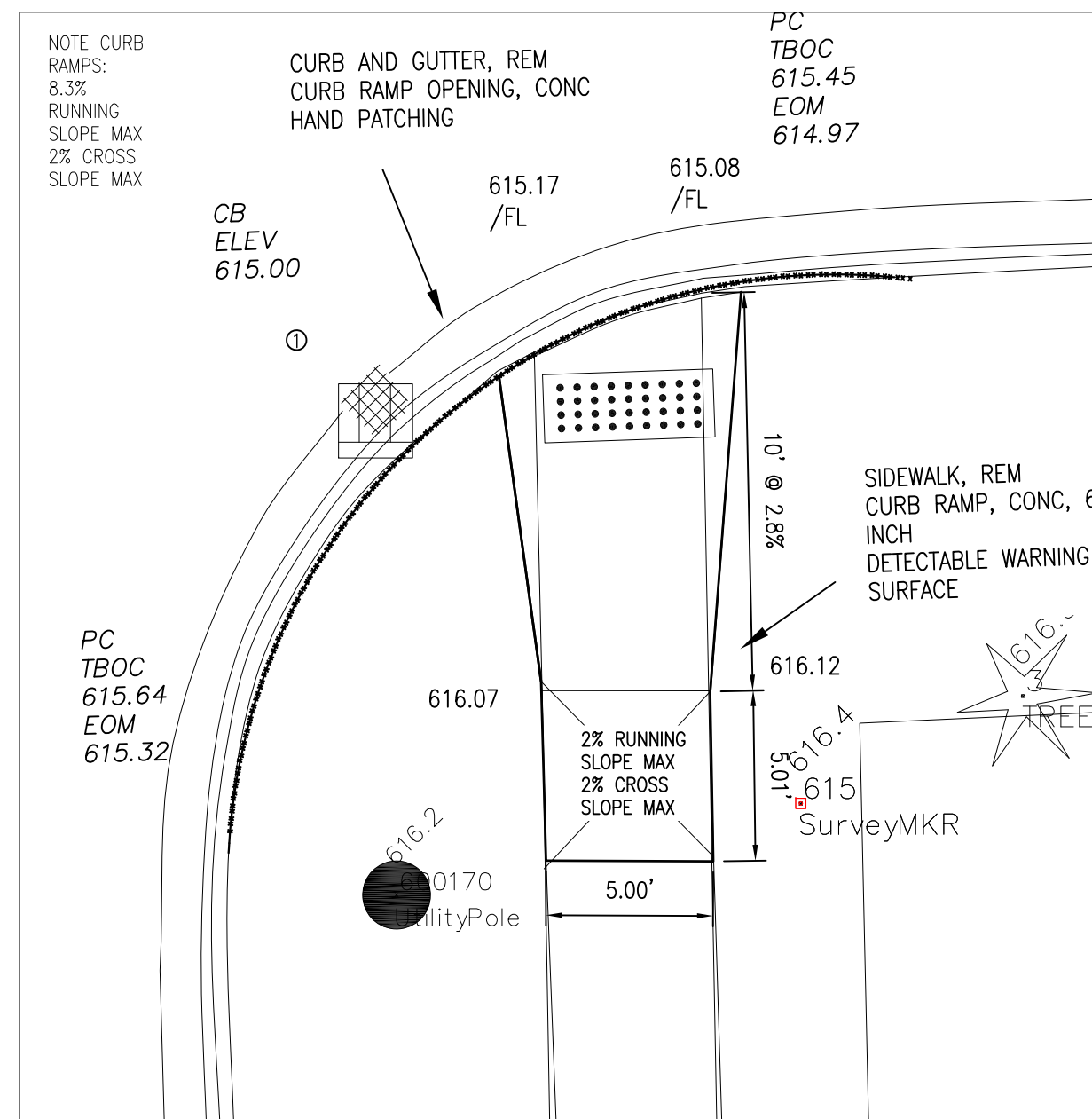
DRAWING	SHEET
RAMP DETAILS 30	56



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

SW QUADRANT JOHNSTON ST
/
ADAMS AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

SE QUADRANT JOHNSTON ST
/
ADAMS AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING
RAMP
DETAILS
31

SHEET
57

[illegible]

Sidewalk Construction Quantities
SEE PAGE 64

PC
TBOC
627.90
EOM
628.28
627.39

5.73'

10.38'

7.27'

628.49 EX
628.15 PR

628.25 PR

628.15 PR

5.05'

5.65' @ 4%

PC
TBOC
628.47
EOM
628.02

627.55
/ FL

627.96
/ FL

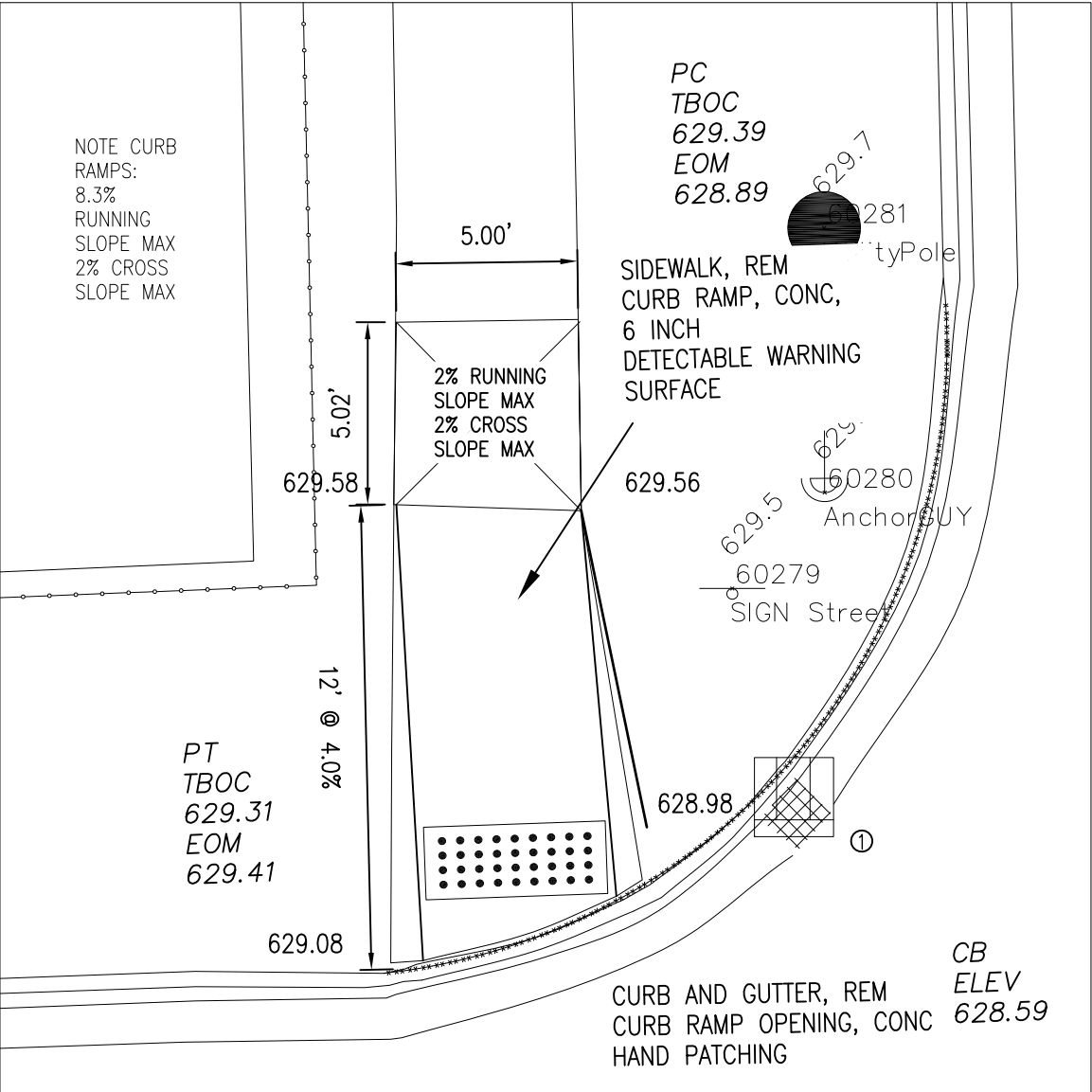
CURB RAMP, CONC,
6 INCH
DETECTABLE WARNING
SURFACE
SIDEWALK, CURB, 4
INCH MODIFIED

CURB AND GUTTER, REM
CURB RAMP OPENING, CONC
HAND PATCHING

2% RUNNING
SLOPE MAX
2% CROSS
SLOPE MAX

NE QUADRANT JOHNSTON
ST/
E 4TH AVE

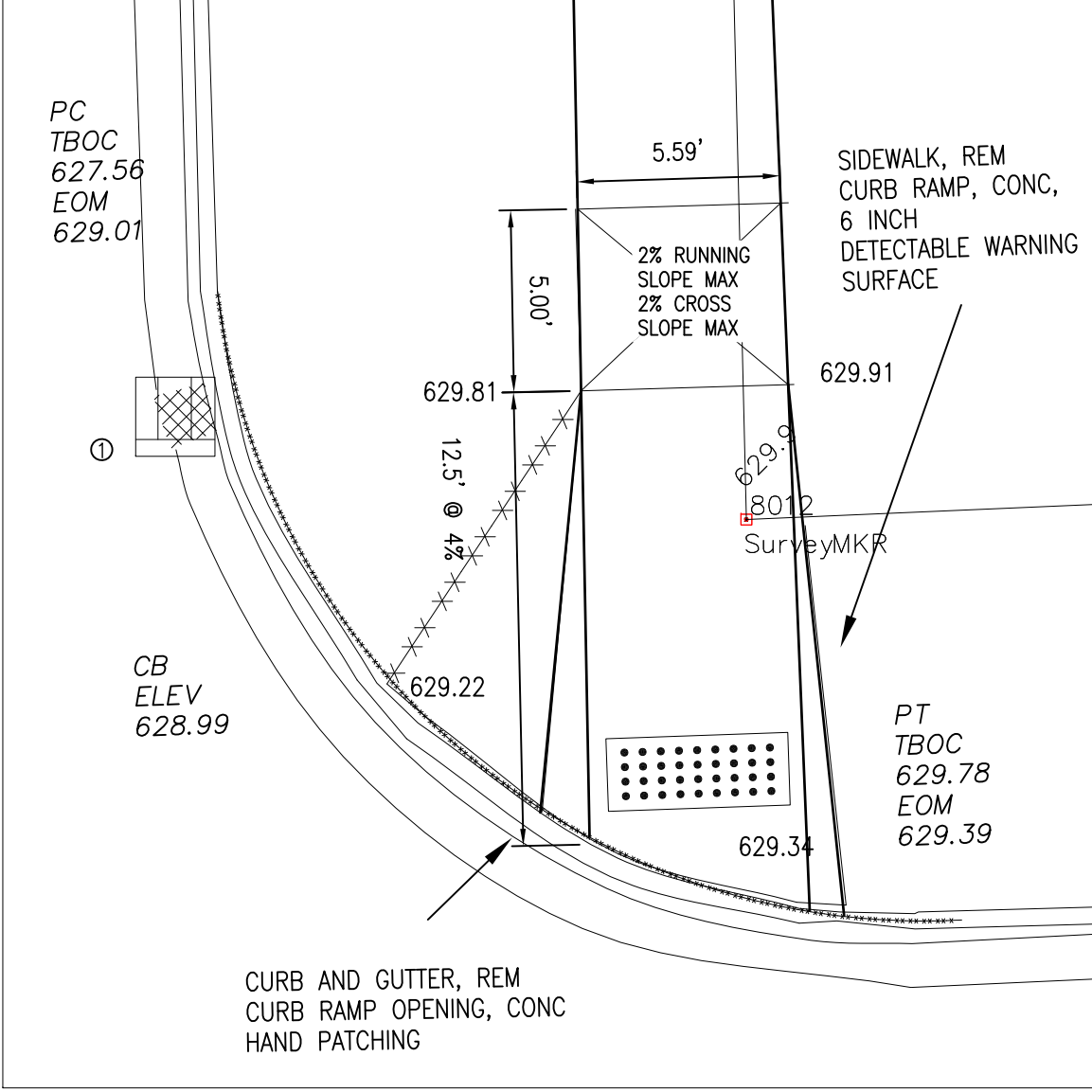
DRAWING	SHEET
RAMP DETAILS 34	60



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

NW QUADRANT JOHNSTON ST
/
E 5TH AVE



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
DR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

NE QUADRANT JOHNSTON ST
/
E 5TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION



**CITY OF
SAULT STE. MARIE, MI
ENGINEERING DEPARTMENT**
225 EAST PORTAGE AVENUE
SAULT STE. MARIE, MI 49783
(906) 632-5700 FAX: (906) 632-5606

HORIZ: 1" = 5'

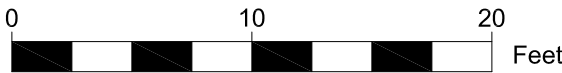
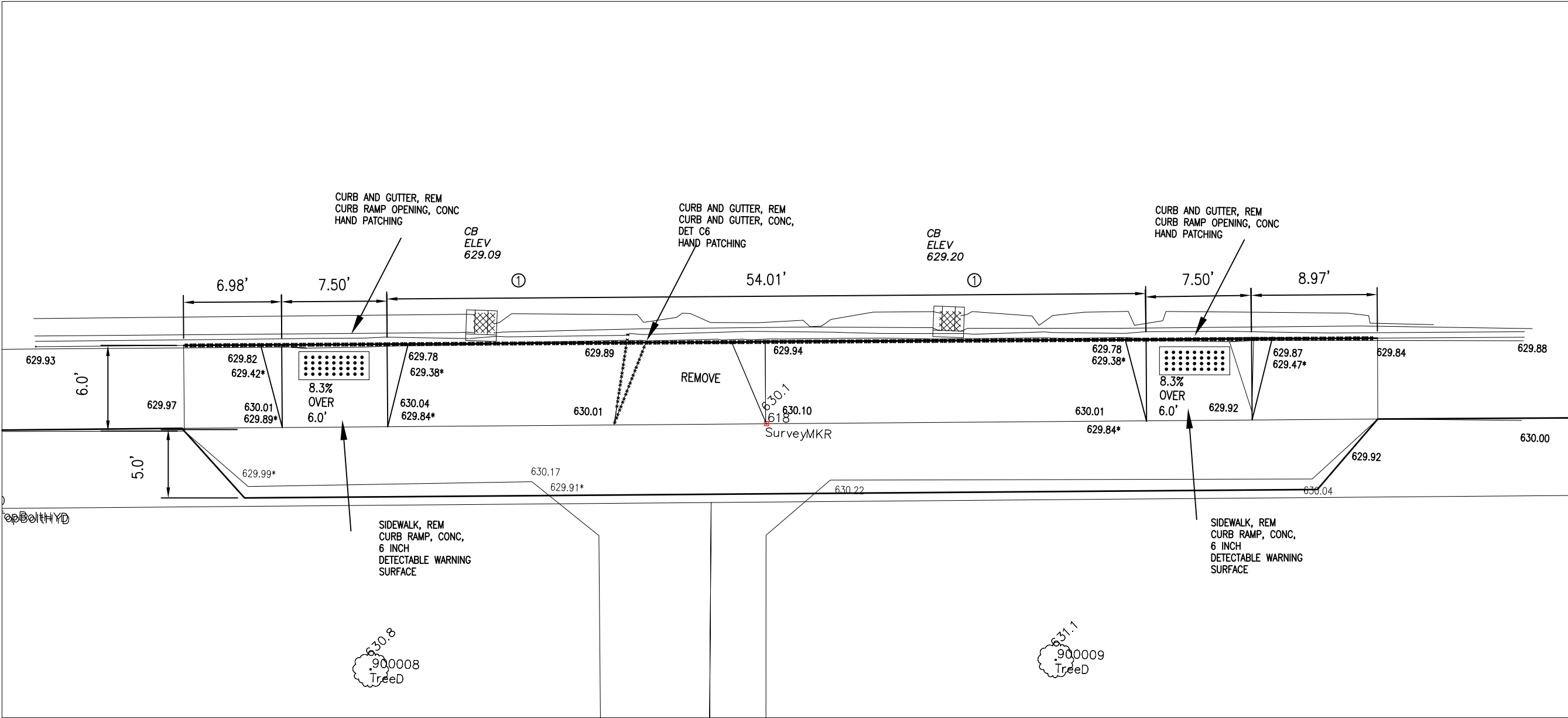
FILE: 217177_SR2S_BASE.DWG

DRAWN BY: LJM
APPROVED BY: DSB
DATE: 8/24/2023

CS: STU 17000
JN: 217177

CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

DRAWING SHEET
RAMP
DETAILS
36 62



① EROSION CONTROL, INLET PROTECTION
FABRIC DROP
OR STRUCTURE COVER, ADJ, CASE 1

Sidewalk Construction Quantities
SEE PAGE 64

LINCOLN ELEMENTARY
ENTRANCE SIDEWALK RAMPS
E 5TH AVE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)											
NO	DATE	AUTH	DESCRIPTION	NO	DATE	AUTH	DESCRIPTION			DRAWING	SHEET
										RAMP DETAILS	63
										37	

CITY OF SAULT STE. MARIE, MI
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CONSTRUCTION SHEET
SAFE ROUTES TO SCHOOLS
SIDEWALK RAMP DETAILS

		Curb and Gutter, Conc. Det C6														
Detail	Sheet	Description	New/Retrofit	Ex Curb Type	Curb and Gutter, Rem Ft	Sidewalk, Rem Syd	Dr Structure Cover, Adj, Case 1 Ea	Dr Structure Cover, Type K, Modified Ea	Erosion Control, Inlet Protection, Fabric Drop Ea	Hand Patching Ton	Curb, Conc. Det E4 Ft	Curb Ramp Opening, Conc Ft	Curb Ramp, Conc. 6 Inch Sft	Detectable Warning Surface Ft		
14	39	SW Minneapolis Marquette	Reto	C6	40	45	0	0	0	4	30	40	400	10	0	
14	39	SE Minneapolis Marquette	Reto	C6	20	12	1	0	0	1	0	20	100	5	0	
22	48	NW Minneapolis E 5th	Reto	C4	32	12	1	0	1	2	0	32	105	10	0	
22	48	NE Minneapolis E 5th	Reto	C4	32	12	1	0	1	2	0	32	105	10	0	
27	53	SW Minneapolis E 7th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
27	53	SE Minneapolis E 7th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
28	54	NW Minneapolis E 10th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
28	54	SW Minneapolis E 10th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
29	55	NW Minneapolis E 11th	Reto	C4	32	12	1	1	1	2	0	32	105	5	0	
29	55	SW Minneapolis E 11th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
30	56	NW Johnston Adams	Reto	C4	32	34	1	1	1	2	30	32	300	10	0	
30	56	NE Johnston Adams	Reto	C4	32	28	0	0	0	2	0	32	250	10	0	
31	57	SW Johnston Adams	Reto	C4	32	34	1	1	1	2	30	32	300	10	0	
31	57	SE Johnston Adams	Reto	C4	32	12	1	0	0	2	0	32	105	5	0	
32	58	NW Johnston Newton	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
32	58	NE Johnston Newton	Reto	C4	32	12	0	0	0	2	0	32	105	5	0	
33	59	SW Johnston Newton	Reto	C4	32	13	1	0	1	2	0	32	110	5	0	
33	59	SE Johnston Newton	Reto	C4	32	12	2	1	2	2	0	32	105	5	0	
34	60	NW Johnston 4th	Reto	C4	32	18	1	0	1	2	0	32	165	10	0	
34	60	NE Johnston 4th	Reto	C4	32	18	1	0	0	2	0	32	165	10	0	
35	61	SW Johnston 4th	Reto	C4	32	12	1	0	0	2	0	32	105	5	0	
35	61	SE Johnston 4th	Reto	C4	32	12	1	0	0	2	0	32	105	5	0	
36	62	NW Johnston 5th	Reto	C4	32	12	1	0	0	2	0	32	105	5	0	
36	62	NE Johnston 5th	Reto	C4	32	12	1	0	1	2	0	32	105	5	0	
37	63	Johnston 5th	Reto	C4	90	90	2	0	2	5	0	50	810	10	40	

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE)					 CITY OF SAULT STE MARIE, MI ENGINEERING DEPARTMENT 205 EAST PORTAGE AVENUE SAULT STE. MARIE, MI 49783 (800) 633-9700 FAX (800) 633-9086		HORIZ. 1" = 5'				
NO	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION		DRAWN BY: LJM	CS: STU 17000	MISCELLANEOUS RAMP QUANTITIES		DRAWING SHEET
							APPROVED BY: DSB	JN: 217177		SAFE ROUTES TO SCHOOLS	RAMP Q'TYS
							DATE: 8/24/2023				64
FILE: 217177_SPS2_BASE.DWG											