

LIVONIA PUBLIC SCHOOLS 2025 PAVING PROGRAM

FRANKLIN HIGH SCHOOL

ENGINEERING PLANS

31000 JOY RD.
LIVONIA, MI 48150

NTH PROJECT NO. 23001951-03

PERMITTING	
PERMIT TYPE	INFORMATION
CITY OF LIVONIA SOIL EROSION AND SEDIMENT CONTROL (SESC)	SEND THREE SETS OF PLANS, SIGNED AND SEALED, TO CITY OF LIVONIA DEPARTMENT OF ENGINEERING WITH APPLICATION AND FEE CHECK

NOTE:
CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING FEES ASSOCIATED WITH THIS PROJECT

LIST OF ABBREVIATIONS

@	AT	FM	FORCEMAIN	PT	POINT
¢	CENTERLINE	FNDN	FOUNDATION	POT	POINT OF TANGENCY
°	DEGREE OR DEGREES	FO	FIBER OPTIC	PVC	POLYVINYL CHLORIDE
Ø	DIAMETER	FT	FOOT OR FEET	PVMT	PAVEMENT
′	FOOT, FEET	FTG	FOOTING	PZ	PNEUMATIC PIEZOMETER
″	INCH, INCHES	FWY	FREEWAY		
#	NUMBER OR POUND	G		R	RADIUS
±	PLUS OR MINUS	GA	GAUGE	RCP	REINFORCED CONCRETE PIPE
		GALV	GALVANIZED	RD	ROAD
A		GMP	GROUND MONITORING POINT	REINF	REINFORCED/ REINFORCEMENT
AB	ANCHOR BOLT	GB	GRADE BEAM	REQD	REQUIRED
AC	ACRE(S)	GP	GUSSET PLATE	R.O.W.	RIGHT OF WAY
APPOX.	APPROXIMATE	GS	GROUND SURFACE	RR	RAILROAD
ARCH	ARCHITECTURAL	GR	GRADE	RTNG	RETAINING
ASPH	ASPHALT	GV&W	GATE VALVE AND WELL		
ASTM	AMERICAN STANDARDS AND TESTING MATERIALS	GW	GATE WELL	S	
AVG	AVERAGE	H		S	SOUTH
		H	HIGH/HORIZONTAL	SAN	SANITARY
B		HGL	HYDRAULIC GRADE LINE	SB	SOIL BORING
B	BOTTOM	HOR	HORIZONTAL	SC	SHEAR CONNECTOR/ SHEAR CONNECTION
BIT	BITUMINOUS	HP	HIGH PRESSURE	SCH	SCHEDULE
BLDG	BUILDING	HT	HEIGHT	SE	SOUTHEAST
BM	BENCHMARK			SEC	SECTION
B.O.	BLOW OFF	I		SESC	SOIL EROSION AND SEDIMENT CONTROL
BOF	BOTTOM OF FOUNDATION	I		SF	SQUARE FOOT
BP	BASE PLATE	ID	INCLINOMETER	SHT	SHEET
BRG	BEARING	I.D.	INNER DIAMETER	SIM	SIMILAR
BRKT	BRACKET	I.E.	INVERT ELEVATION	SPA	SPACE/SPACING
BSMT	BASEMENT	IN	INCH(ES)	SL	SPLICE LENGTH
BW	BOTTOM OF WALL	INV	INVERT	SOG	SLAB ON GRADE
		J		SQ	SQUARE
C		JST	JOIST	SS	STAINLESS STEEL
CB	CATCH BASIN	JT	JOINT	SSP	STEEL SHEET PILE
C-C	CENTER TO CENTER			STA	STATION
CF	CUBIC FEET			STD	STANDARD
CFS	CUBIC FEET PER SECOND	L		STIFF	STIFFENER
CI	CAST IRON	L	LENGTH/LONG	STL	STEEL
CIP	CAST-IN-PLACE	LBS	POUNDS	STM	STORM
CJ	CONTROL JOINT	LF	LINEAR FEET	STRUC	STRUCTURAL
CLR	CLEAR	LVL	LEVEL	SUP	SUPPORT
CMP	CORRUGATED METAL PIPE			SW	SOUTHWEST
CMU	CONCRETE MASONRY UNIT	M		S/W	SIDEWALK
CNJ	CONSTRUCTION JOINT	m	METER	SWM	STORMWATER MANAGEMENT
CO	CLEAN OUT	MAS	MASONRY	SY	SQUARE YARDS
COL	COLUMN	MATL	MATERIAL		
CONC	CONCRETE	MAX	MAXIMUM	T	
CONT	CONTINUOUS	MDOT	MICHIGAN DEPARTMENT OF TRANSPORTATION	T	TOP
CONST	CONSTRUCTION	MECH	MECHANICAL	TB	TEST BORING
COV	COVER	MH	MANHOLE	T&B	TOP AND BOTTOM
CP	CAP PLATE	MJ	MECHANICAL JOINT	TC	TOP OF CONCRETE
CSO	COMBINED SEWER OUTFALL	MTD	MANUFACTURED TREATMENT DEVICE	TEMP	TEMPORARY
CTV	CABLE TELEVISION	MTL	METAL	THK	THICK OR THICKNESS
		MIN	MINIMUM	TP	TURNING POINT
D		mm	MILLIMETER	TO	TOP OF
DET	DETAIL	MW	MONITORING WELL	TOF	TOP OF FOUNDATION
DI	DUCTILE IRON			TOPO	TOPOGRAPHIC
DIA	DIAMETER	N		TOS	TOP OF STEEL
DIAG	DIAGONAL	N	NORTH	TOW	TOP OF WALL
DIM	DIMENSION	NB	NORTHBOUND	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	NE	NORTHEAST	TW	TOP OF WALL
DWG	DRAWING	NIC	NOT IN CONTRACT	TYP.	TYPICAL
DWL	DOWELS	NO	NUMBER		
		NTS	NOT TO SCALE	U	
E		NW	NORTHWEST	UNO	UNLESS NOTED OTHERWISE
E	EAST				
EA	EACH	O		V	
EGL	ENERGY GRADE LINE	O.C.	ON CENTER	V	VERTICAL
EJ	EXPANSION JOINT	O.D.	OUTERDIAMETER	VCP	VITREOUS CLAY PIPE
EJW	EAST JORDAN IRON WORKS	OPNG	OPENING	VERT	VERTICAL
EL	ELEVATION	OPP	OPPOSITE	VIF	VERIFY IN FIELD
ELEC	ELECTRICAL				
ENG	ENGINEERED	P		W	
EX	EXISTING	PC	POINT OF CURVATURE	W	WEST
EXCAV	EXCAVATE(D)	PERM	PERMANENT	W/	WITH
EXP	EXPANSION	PL	PLATE	WD	WIDE
		P/L	PROPERTY LINE	WM	WATERMAIN
F		POB	POINT OF BEGINNING	WWF	WELDED WIRE FABRIC
FF	FINISH FLOOR	POE	POINT OF ENDING		
FG	FINISHED GRADE	PR	PROPOSED	Y	
FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT	YR	YEAR
FL	FLOOR	PSI	POUNDS PER SQUARE INCH		

OWNER:
Livonia Public Schools
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Livonia, Michigan 48154
Contact: Harry Lau
Phone: 734-812-8537

ENGINEER:
NTH Consultants, LTD.
41780 Six Mile Road, Suite 200
Northville, Michigan 48168
Contact: David R. Lutz, P.E.
Phone: 248-662-2750

PROJECT DESCRIPTION:

LIVONIA PUBLIC SCHOOLS 2025 PAVING PROGRAM- FRANKLIN HIGH SCHOOL CONSISTS OF PAVEMENT IMPROVEMENT AT FRANKLIN HIGH SCHOOL, INCLUDING FULL-DEPTH PAVEMENT REMOVAL AND GRADING. THE PROJECT SCOPE INCLUDES, BUT IS NOT LIMITED TO:

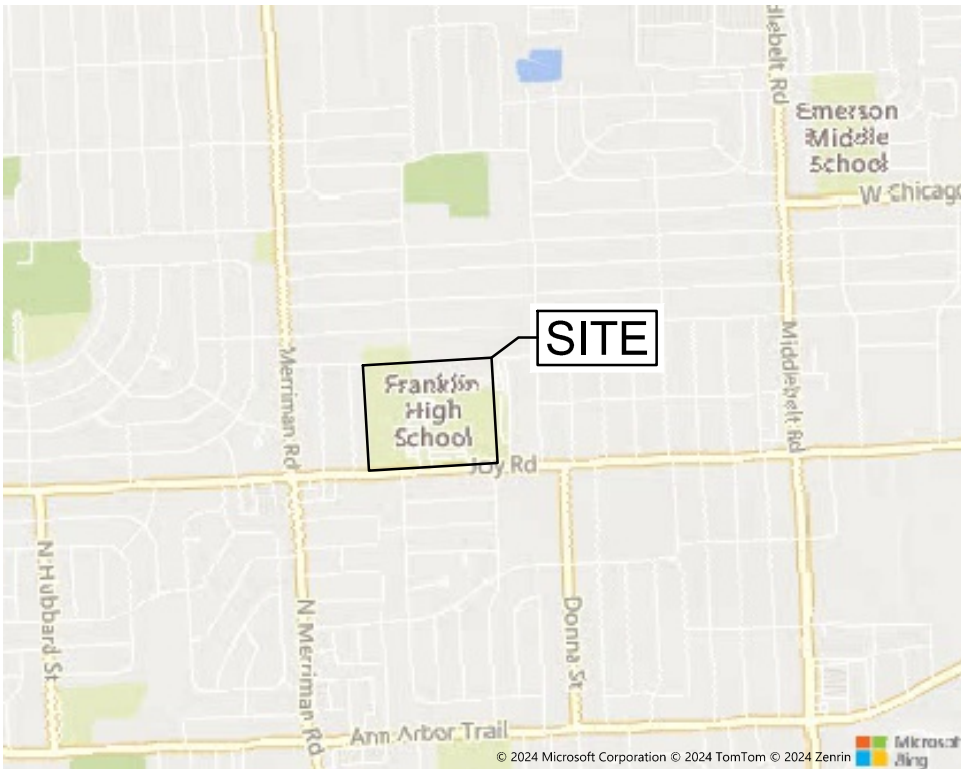
- 76,600 SQUARE FEET OF FULL DEPTH REMOVAL & REPLACEMENT (STANDARD DUTY ASPHALT)
- EXCAVATION AND REPLACEMENT OF SUBGRADE SOIL WITH COMPACTED STONE FILL TO A MAXIMUM DEPTH OF 18-INCHES BELOW THE BOTTOM OF THE PAVEMENT PROFILE, FOR A MAXIMUM OF 800 SQUARE-FEET OF THE FULL-DEPTH ASPHALT REPLACEMENT AREA.

Sheet List

C-100	COVER SHEET
C-101	TOPOGRAPHIC SURVEY (BY OTHERS)
C-102	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
C-103	SOIL EROSION AND SEDIMENTATION CONTROL STANDARD DETAILS
C-104	DEMOLITION PLAN
C-105	PROPOSED SITE AND GRADING PLAN

NOTES

- TOPOGRAPHIC SURVEY WAS PERFORMED BY KEM-TEC & ASSOCIATES ON DECEMBER 2, 2016.
- LOCATION OF UTILITIES OR OTHER STRUCTURES SHOWN ON PLANS ARE TAKEN FROM SURVEY OF RECORD. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS OR VARIATIONS. THE CONTRACTOR SHALL CONTACT MISS DIG A MINIMUM OF THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION IN THE AREA OF WORK AND SHALL VERIFY ALL UNDERGROUND UTILITIES ON-SITE, PRIOR TO CONSTRUCTION.
- FULL-DEPTH REMOVAL IS DEFINED AS REMOVING 100 PERCENT OF THE BITUMINOUS CONCRETE AND BASE WHERE NECESSARY TO ACHIEVE THE REQUIRED DESIGN PROFILE, AND PROOF ROLLING THE EXISTING AGGREGATE BASE OR SUBBASE. IF THE AGGREGATE BASE IS SOUND, INSTALL NEW BITUMINOUS CONCRETE PROFILE AS SPECIFIED (HEAVY-DUTY OR STANDARD-DUTY PROFILE). IF AGGREGATE BASE YIELDS UNDER PROOF ROLLING LOAD, AT THE DIRECTION OF THE OWNERS ENGINEER, REMOVE AGGREGATE BASE AND EXPOSE SUBGRADE SOILS. PROOF ROLL; IF THEY YIELD UNDER LOAD, REMOVE UP TO 18-INCHES OF SUBGRADE AND BACKFILL WITH COMPACTED STONE IN LIFTS NO GREATER THAN 6-INCHES. INSTALL NEW PAVEMENT OVER THE STONE (AGGREGATE BASE AND BITUMINOUS CONCRETE SECTION) AT DIRECTION OF THIRD PARTY TESTING FIRM.
- THE CONTRACTOR SHALL AVOID DAMAGE TO THE EXISTING PAVEMENTS DESIGNATED TO REMAIN. ANY PAVEMENT DAMAGE THAT OCCURS AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR TO INSPECT ALL MANHOLE STRUCTURES DURING CONSTRUCTION AND INFORM THE OWNER OF ANY STRUCTURES IN POOR CONDITION.
- CONTRACTOR SHALL NOTIFY THE CITY OF LIVONIA'S ENGINEERING DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN THE RIGHT-OF-WAY. INSPECTION AND APPROVAL IS REQUIRED AFTER SETTLING FORMS, BUT PRIOR TO POURING CONCRETE, WITHIN THE CITY'S RIGHT-OF-WAY.



LOCATION MAP
NO SCALE

MICHIGAN
APPROX SCALE 1"= 50 MILES



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SEAL/STAMP:



REVISION BLOCK	
REV	DATE: DESCRIPTION

SUBMITTAL LOG	
DATE	PACKAGE NAME

PROJECT NAME:

LIVONIA PUBLIC SCHOOLS
2025 PAVING PROGRAM -
FRANKLIN HIGH SCHOOL

PROJECT LOCATION:

31000 JOY ROAD
LIVONIA, MICHIGAN 48150

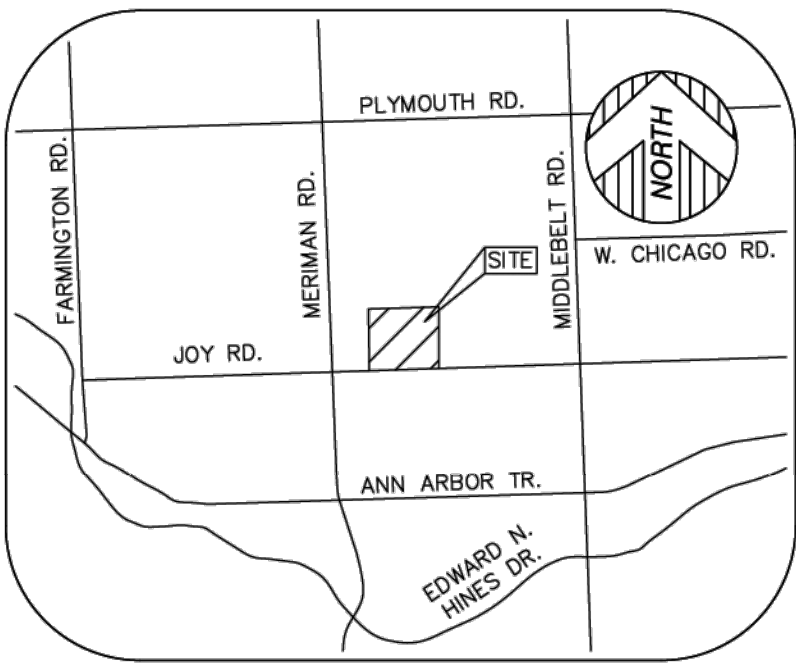
DESIGNED BY:	NTH PROJECT NO.:
KBH	23001951
DRAWN BY:	SHEET SIZE:
KBH	ARCH D (24"x36")
CHECKED BY:	DATE:
DRL	1/30/2025
CAD FILE NAME:	
23001951-02-COV	

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

C-100



VICINITY MAP
(NOT TO SCALE)

PARKING

HANDICAP PARKING = 0 STALLS
STANDARD PARKING = 285 STALLS
SHOWN

BENCHMARK

SITE BENCHMARK #1
CHISELED "X" ON BOLT OF L.P. BASE,
±63' W OF W E/CURB ISLAND
ELEVATION = 637.09' (NAVD 88)

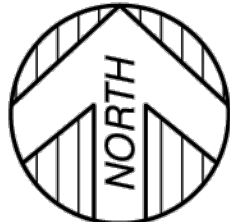
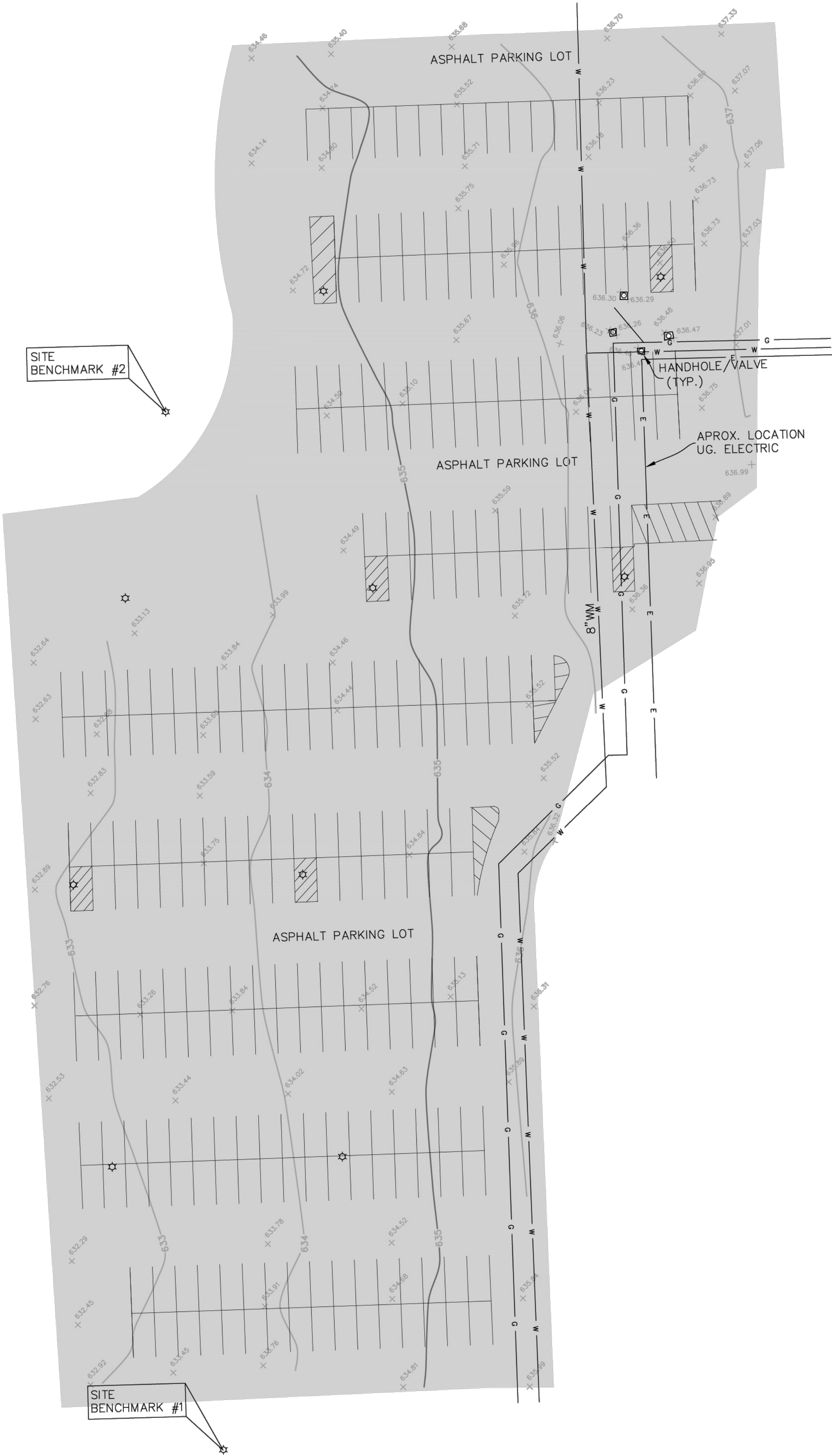
SITE BENCHMARK #2
CHISELED "X" ON E BASE OF L.P.
±33' NE OF SE CORNER OF CONCESSIONS BLDG
±192' N OF N EDGE OF JOY RD
ELEVATION = 636.74' (NAVD 88)

SURVEYOR'S NOTE

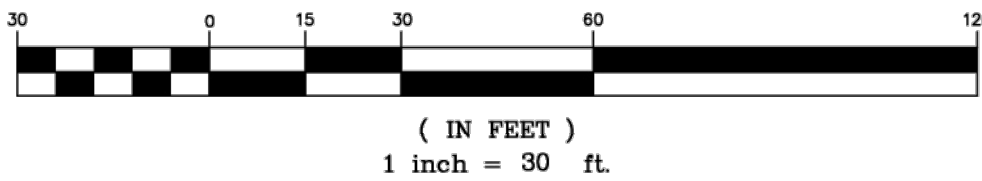
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

LEGEND

- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- ☆ LIGHTPOST/LAMP POST
- PARKING
- EDGE OF CONCRETE (CONC.)
- EDGE OF ASPHALT (ASPH.)
- ASPHALT



GRAPHIC SCALE



PROPERTY DESCRIPTION

LAND SITUATED IN THE CITY OF LIVONIA, COUNTY OF WAYNE, STATE OF MICHIGAN, AND DESCRIBED AS FOLLOWS:

PART OF THE SOUTHWEST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 9 EAST, DESCRIBED AS: BEGINNING AT A POINT ON THE SOUTH LINE OF SAID SECTION 35, SOUTH 89 DEGREES, 51 MINUTES, 30 SECONDS EAST 830 FEET FROM THE SOUTHWEST CORNER OF SECTION 35, TOWN 1 SOUTH, RANGE 9 EAST; THENCE RUNNING INTO THE NEXT 3 COURSES AND DISTANT ALONG THE EAST SIDE OF MERRI-JOY SUBDIVISION, AS RECORDED IN LIBER 76, PAGE 9; DUE NORTH 1197.93 FEET; THENCE NORTH 89 DEGREES, 51 MINUTES, 00 SECONDS WEST 19.00 FEET; THENCE DUE NORTH 120 FEET; THENCE ALONG THE SOUTH LINE OF GRANDON WOODS SUBDIVISION, AS RECORDED IN LIBER 73, PAGE 8, OF PLATS, SOUTH 89 DEGREES, 51 MINUTES, 00 SECONDS EAST 1141.76 FEET; THENCE SOUTH 0 DEGREES, 16 MINUTES, 27 SECONDS WEST 1317.77 FEET; THENCE ALONG SOUTH LINE OF SECTION 35 AND CENTER LINE OF JOY ROAD, NORTH 89 DEGREES, 51 MINUTES, 30 SECONDS WEST 1116.45 FEET TO THE POINT OF BEGINNING. EXCEPT THE EAST 30 FEET THEREOF AND EXCEPT THE SOUTH 60 FEET THEREOF.

THE WEST 10 ACRES OF THE EAST 20 ACRES OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 35, DESCRIBED AS: BEGINNING AT A POINT ON THE SOUTH LINE OF SECTION 35, BEGINNING SOUTH 88 DEGREES, 17 MINUTES, 50 SECONDS WEST 330.48 FEET FROM THE SOUTH 1/4 CORNER OF SECTION 35; THENCE SOUTH 88 DEGREES, 17 MINUTES, 50 SECONDS WEST ALONG THE SOUTH LINE OF SECTION 35, 330.48 FEET TO A POINT; THENCE NORTH 1 DEGREE, 32 MINUTES, 10 SECONDS WEST 1318.10 FEET TO A POINT; THENCE NORTH 88 DEGREES, 17 MINUTES, 50 SECONDS EAST 330.48 FEET TO A POINT; THENCE SOUTH 1 DEGREE, 32 MINUTES, 10 SECONDS EAST 1318.10 FEET TO THE POINT OF BEGINNING. EXCEPT THE EAST 30 FEET THEREOF AND EXCEPT THE SOUTH 60 FEET THEREOF.

TITLE REPORT NOTE

A CURRENT TITLE POLICY HAS NOT BEEN FURNISHED AT TIME OF SURVEY, THEREFORE EASEMENTS AND/OR ENCUMBRANCES AFFECTING SUBJECT PARCEL MAY NOT BE SHOWN.

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PROPERTY HEREIN DESCRIBED. THE ELEVATIONS SHOWN HEREON ARE BASED ON A FIELD SURVEY AND THE DRAWING HEREON DELINEATED IS A CORRECT REPRESENTATION OF THE SAME.

Anthony T. Sycko, Jr., P.S.
Professional Surveyor
Michigan License No. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSycko@kemttec-survey.com



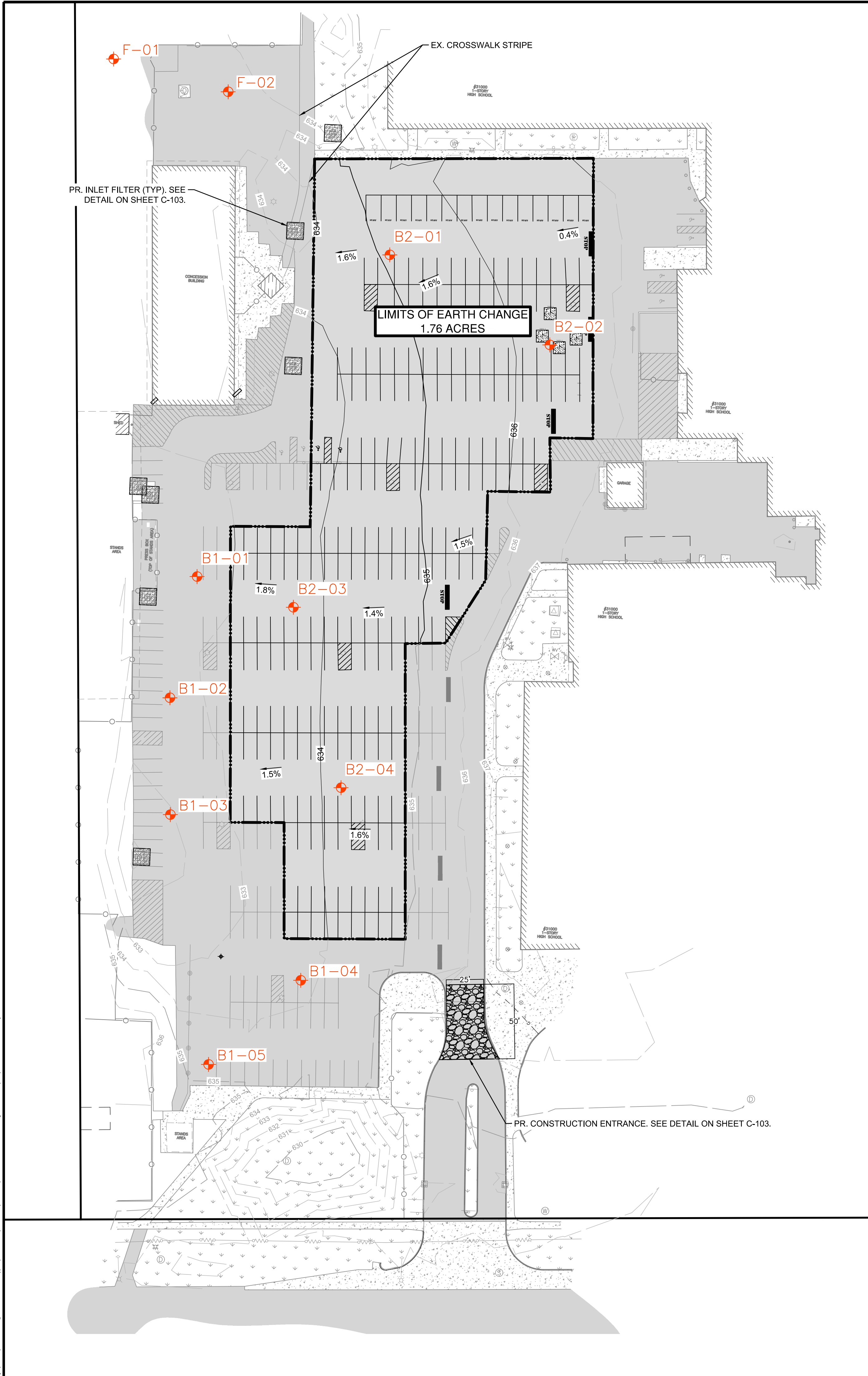
PARTIAL TOPOGRAPHIC SURVEY

PREPARED FOR: LIVONIA PUBLIC SCHOOLS
31000 JOY RD, LIVONIA, MICHIGAN,
PART OF SECTION 35,
TOWN 1 SOUTH, RANGE 9 EAST

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DATE	BY	REVISION	DESCRIPTION
12/05/24	RDM		
12/05/24	ATS		
DECEMBER 05, 2024			
17-00058			

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LEGEND

EXISTING PROPERTY BOUNDARY

EXISTING BUILDING

EXISTING CONTOURS

EXISTING ASPHALT PAVEMENT

EXISTING CONCRETE PAVEMENT

EXISTING LANDSCAPING/LAWN AREA

EXISTING FENCE

EXISTING GUARDRAIL

EXISTING BOLLARD POST

EXISTING SIGN

EXISTING ELECTRICAL OVERHEAD

EXISTING ELECTRICAL STRUCTURES

EXISTING LIGHT POLE

EXISTING SANITARY MANHOLE

EXISTING STORM STRUCTURES

EXISTING HYDRANT

EXISTING WATER STRUCTURES

PROPOSED CONTOURS

PROPOSED SLOPE ARROW

PROPOSED ASPHALT PAVEMENT

PROPOSED INLET FILTER

PROPOSED CONSTRUCTION ENTRANCE

LIMITS OF EARTH CHANGE

F-00

B1-00

B2-00

SOIL BORINGS (2019)

SOIL BORINGS (2016)

SOIL BORINGS (2024)

NOTES:

1. PAVEMENT CORE/HAND AUGER SOIL BORINGS PERFORMED BY G2 CONSULTING GROUP, LLC ON JUNE 22, 2016, SEPTEMBER 19, 2019 AND DECEMBER 19, 2024

2. SITE SOILS GENERALLY CONSIST OF SAND & GRAVEL FILL, AND STIFF BROWN AND GRAY SILTY CLAY WITH TRACE SAND AND GRAVEL.

0

20'

40'

80'

SCALE

N

NTH

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

CONTRACTOR SHALL ENSURE THAT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PROTECT AGAINST LOSS OF SOIL BY THE ACTION OF WATER, ICE, GRAVITY AND WIND.

SUMMARY OF BASIC PRINCIPLES

- KEEP DISTURBED AREA AS SMALL AS POSSIBLE.
- STABILIZE AND/OR PROTECT DISTURBED AREAS AS SOON AS POSSIBLE.
- KEEP STORM WATER RUNOFF VELOCITIES LOW.
- RETAIN SEDIMENT WITHIN IMMEDIATE CONSTRUCTION AREA.

THE PURPOSE OF THIS PLAN IS TO SPECIFY METHODS FOR TEMPORARY EROSION CONTROL DURING CONSTRUCTION. IT IS INTENDED THAT MEASURES CALLED FOR IN THE SPECIFICATIONS AND SHOWN ON THESE PLANS BE STRICTLY ADHERED TO. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT CONSTRUCTION PROCEDURES UNDERTAKEN ARE IN CONFORMANCE WITH PART 91 OF ACT 451 OF 1994 THE STATE OF MICHIGAN'S SOIL EROSION AND SEDIMENTATION CONTROL ACT.

ALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE REGULARLY MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT. COLLECTED SILT AND SEDIMENTATION SHALL BE REMOVED PERIODICALLY TO MAINTAIN THE EFFECTIVENESS OF THE SILT TRAPS OR SEDIMENTATION CONTROL DEVICES. WHERE REQUIRED, THE CONTRACTOR SHALL REMOVE AND REPLACE FILTER MATERIALS WHICH HAVE BECOME INEFFECTIVE DUE TO CONTAMINATION OR PHYSICAL DETERIORATION.

ALL TEMPORARY EROSION CONTROL FACILITIES SHALL BE REMOVED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION UNLESS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE. CARE SHALL BE TAKEN DURING REMOVAL TO MINIMIZE SILTATION IN NEARBY DRAINAGE COURSES.

SURFACE DISRUPTION IN ADVANCE OF CONSTRUCTION INCLUDING CLEARING, GRADING OR SIGNIFICANT SOD REMOVAL SHALL BE PROCEEDED BY INSTALLATION OF SOIL EROSION AND SEDIMENTATION CONTROL DEVICES AS FOLLOWS, UNLESS PERMISSION IS OTHERWISE OBTAINED FROM THE GOVERNING AGENCY.

A.

WET WEATHER SEASON (MARCH, APRIL, MAY) - 5 DAYS PRIOR TO BEGINNING ANY EARTH CHANGE ACTIVITY.

B.

DRY WEATHER SEASON (JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER) - 10 DAYS PRIOR TO BEGINNING ANY EARTH CHANGE ACTIVITY.

C.

COLD WEATHER SEASON (DECEMBER, JANUARY, FEBRUARY) - 15 DAYS PRIOR TO BEGINNING ANY EARTH CHANGE ACTIVITY.

SOIL EROSION SEQUENCE OF CONSTRUCTION

- INSTALL SILT FENCE, INLET FILTERS AND MUD MAT ON EXISTING CATCH BASINS. ESTIMATED DATE: 06/2025
- DEMOLISH THE SITE PER THE PLANS. ESTIMATED DATE: 06/2025 THRU 08/2025
- CONSTRUCT SITE FEATURES PER THE PLANS ESTIMATED DATE: 06/2025 to 08/2025
- STABILIZE DISTURBED AREAS AS NOTED ON THE PLANS WITHIN 5 DAYS OF FINAL GRADING. ESTIMATED DATE: 08/2025
- RESTORE ALL OFF-SITE AREAS TO PRE-CONSTRUCTION CONDITION FOLLOWING SITE CONSTRUCTION.
- CLEAN PAVEMENT AND SEWERS AS NECESSARY (SCRAPE DAILY, SWEEP MIN. 1 PER WEEK). A CERTIFIED STORM WATER OPERATOR SHALL INSPECT ALL SESC MEASURES ON A WEEKLY BASIS AND AFTER SIGNIFICANT RAIN EVENTS TO ENSURE THE SESC MEASURES ARE ADEQUATE.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS FOLLOWING SITE CONSTRUCTION, FINAL STABILIZATION OF WORK, AND FINAL INSPECTION. ESTIMATED DATE: 08/2025

TEMPORARY FACILITIES

THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH PART 91 OF ACT NO. 451 OF 1994, OF THE MICHIGAN COMPILED LAWS ENTITLED "SOIL EROSION AND SEDIMENTATION CONTROL" UNDER THE CONTROL OF THE LOCAL PERMIT AGENCY CHARGED WITH ADMINISTERING THE PROVISIONS OF THIS ACT. THE CONTRACTOR SHALL FOLLOW THE PROCEDURES DELINEATED BELOW AND IN THE PROJECT SPECIFICATIONS AND CONSTRUCT AND MAINTAIN THE FACILITIES SHOWN ON THE DRAWINGS TO CONTROL WATER AND WIND EROSION DURING CONSTRUCTION OF THIS PROJECT.

ALL DISTURBED SURFACE AREA (INCLUDING UTILITY TRENCHES) SHALL BE TEMPORARILY GRADED AND/OR DITCHED TO DIRECT ALL WATER RUNOFF FROM SUCH AREAS TO SEDIMENTATION CONTROL DEVICES WHICH WILL PREVENT WATER CARRYING ERODED SOIL FROM ENTERING A WATERCOURSE, SEWER, ADJACENT LANDS, AND ROADWAYS. SUCH SEDIMENTATION CONTROL DEVICES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROTECTIVE DITCHES, SEDIMENT TRAPS, SEDIMENT FILTERS, DITCH TRAPS, PIPE BARRIERS, AND FILTERS AS DETAILED AND REQUIRED AND WHERE INDICATED ON THE DRAWINGS. AFTER THE PROJECT WORK HAS BEEN COMPLETED, INSPECTED, AND APPROVED, THE CONTRACTOR SHALL REMOVE ALL SEDIMENTATION CONTROL DEVICES, MATERIAL, AND THEIR COLLECTED SILT AND DEBRIS AND RESTORE THE AREA IN ACCORDANCE WITH THE DRAWINGS.

TEMPORARY AGGREGATE SURFACING SHALL BE PLACED IN ROADWAY AREAS IMMEDIATELY AFTER THE BACKFILLING OPERATION HAS BEEN COMPLETED. POSITIVE DUST CONTROL MEASURES SHALL BE TAKEN AT ALL TIMES.

PERMANENT STABILIZATION SHALL BE COMPLETED WITHIN 5 DAYS OF FINAL EARTH CHANGE. FINAL CLEANUP AND RESTORATION WILL CONSIST OF FINAL GRADING, TOPSOILING, SEEDING AND MULCHING AND/OR SODDING OF ALL DISTURBED AREAS OF THE PROJECT.

IF SEASONAL CONDITIONS PREVENT FINAL CLEANING AND RESTORATION, THE CONTRACTOR SHALL PROCEED WITH TEMPORARY STABILIZATION OF THE DISTURBED AREA. TEMPORARY STABILIZATION SHALL CONSIST OF ROUGH GRADING THE DISTURBED AREA IN ACCORDANCE WITH THESE SPECIFICATIONS AND INSTALLING THE SPECIFIED SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. TEMPORARY STABILIZATION MATERIALS SHALL BE REMOVED AND DISPOSED OF AND FINAL CLEANUP AND RESTORATION SHALL BE COMPLETED NOT LATER THAN 5 DAYS AFTER SEASONAL CONDITIONS ALLOW PERFORMANCE OF THE REQUIRED WORK.

MAINTENANCE NOTES

THE CONTRACTOR SHALL INSPECT SOIL EROSION AND SEDIMENTATION CONTROL DEVICES WEEKLY AND WITHIN 24 HOURS OF A SIGNIFICANT RAIN EVENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SOIL EROSION AND SEDIMENTATION CONTROL DEVICES.

MAINTENANCE INCLUDES ALL WORK NECESSARY FOR PROPER OPERATION OF THE DEVICES. DEVICES WHICH CAN NOT BE REPAIRED SHALL BE REPLACED. MAINTENANCE OF THE DEVICES SHALL BE PERFORMED WITHIN 24 HOURS OF INSPECTION.

SEDIMENT SHALL BE REMOVED AS NECESSARY TO MAINTAIN THE EFFECTIVENESS OF SOIL EROSION AND SEDIMENTATION CONTROL DEVICES.

SEDIMENT DEPOSITED ALONG SILT FENCE SHALL BE REMOVED WHEN IT REACHES 1/3 TO 1/2 THE HEIGHT OF THE FENCE AND PRIOR TO REMOVAL AT THE END OF THE PROJECT OR TIME OF FINAL REMOVAL.

TURF ESTABLISHMENT MEASURES SHALL BE MAINTAINED AS WOULD ANY OTHER DEVICES PRIOR TO ESTABLISHMENT OF PERMANENT TURF.

ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADS FROM THIS SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.

BID ALTERNATE

NTH

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3 WORKING DAYS
BEFORE YOU DIG
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For the location of public utility lines.
ALTERNATE NUMBER (N11)
YOUR CODES FOR UTILITY LOCATING:

Yellow
Orange
Red

Oil & Gas
Phone & Cable
Electric

Blue
Green
Brown
Pink

Water Drain
Sewer
Storm Drain
Surfacing

IF YOU ARE GOING TO WORK NEAR OVERHEAD WIRES - CALL MISS DIG

LIVONIA
PUBLIC SCHOOLS

SEAL/STAMP:

KEY MAP:

NORTH ARROW:

N

HERMAN RD.

JOY RD.

SITE

REVISION BLOCK

REV	DATE	DESCRIPTION

SUBMITTAL LOG

DATE	PACKAGE NAME

PROJECT NAME:

LIVONIA PUBLIC SCHOOLS
2025 PAVING PROGRAM -
FRANKLIN HIGH SCHOOL

PROJECT LOCATION:

31000 JOY ROAD
LIVONIA, MICHIGAN 48150

DESIGNED BY:

KBH

NTH PROJECT NO.:

23001951

DRAWN BY:

KBH

SHEET SIZE:

ARCH D (24"x36")

CHECKED BY:

DRL

DATE:

1/30/2025

CAD FILE NAME:

23001951-02-SESC

SHEET TITLE:

SOIL EROSION AND
SEDIMENTATION
CONTROL PLAN

SHEET NUMBER:

C-102

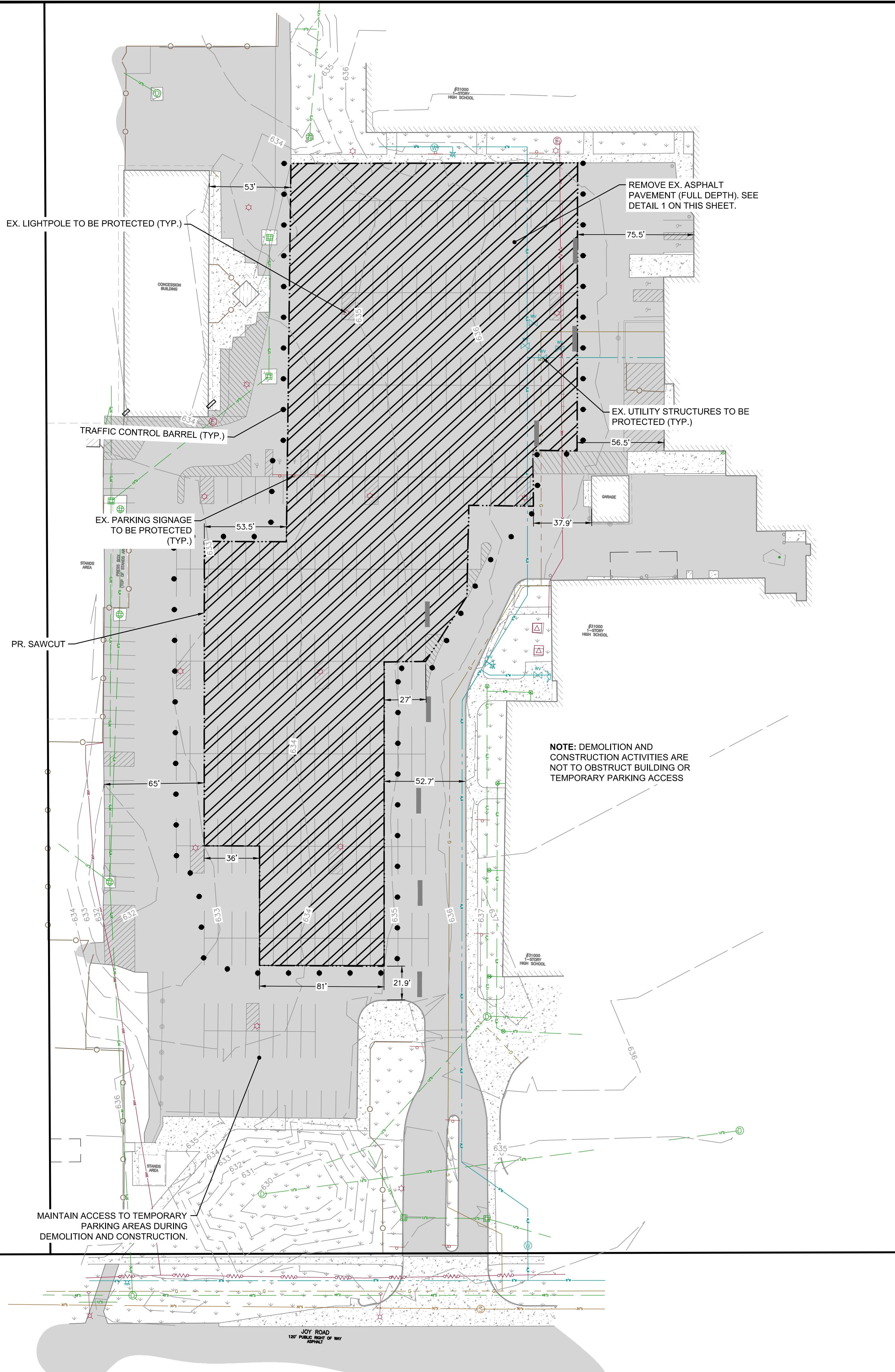


1. ALL MUD, DIRT, AND/OR DEBRIS TRACKED OR SPILLED ONTO ANY PAVED AREAS SHALL BE REMOVED/CLEANED DAILY IN A PROMPT MANNER BY THE CONTRACTOR AND/OR BUILDER. SCRAPING AND/OR SWEEPING OF PAVED AREAS TO REMOVE DEBRIS WILL BE REQUIRED WEEKLY.
2. SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT-UP SEDIMENT WHEN THE HEIGHT OF THE SEDIMENT ACCUMULATES TO $\frac{1}{4}$ TO $\frac{1}{2}$ OF THE HEIGHT OF THE FENCE OR IF THE FABRIC BEGINS TO SAG. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, REPLACEMENT, RETRENCHING AND BACKFILLING OF THE SILT FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
3. SILT SACK MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SEDIMENTATION OR OTHER DEBRIS FROM THE SILT SACK. THE REMOVAL OF SEDIMENTATION SHOULD BE ACCOMPLISHED BY USING A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF SILT SACKS CANNOT BE CLEANED, OR ARE DAMAGED, THEY MUST BE REPLACED ACCORDING TO THE PLANS.
4. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR FINAL EARTH CHANGES HAVE BEEN COMPLETED. WHEN IT IS NO POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED, OR WHERE SIGNIFICANT EARTH CHANGE ACTIVITY CEASED, TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED WITHIN 5 CALENDAR DAYS. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND/OR ESTABLISHED. ALL PERMANENT SOIL EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND ESTABLISHED BEFORE A CERTIFICATE OF COMPLIANCE IS ISSUED. ALL DRAIN BANKS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITHIN 5 CALENDAR DAYS AND SOD PEGGED IN PLACE.
5. FILTER BARRIERS AND LOW POINT INLET FILTERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
6. IF ANY FILTER FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE, AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY. FILTER FENCING WHICH SAGS, FALLS OVER OR IS NOT STAKED IN, SHOULD PROMPTLY BE REPAIRED OR REPLACED.
7. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.
8. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES BOTH PERMANENT AND TEMPORARY SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER, UNLESS OTHERWISE NOTED. THESE MAINTENANCE RESPONSIBILITIES SHALL BE PART OF ANY FUTURE SALES AGREEMENT.
9. EXCAVATED MATERIALS SHALL REMAIN ON-SITE. PARTICULAR CARE SHOULD BE TAKEN WHEN WORKING ALONG THE PERIMETER OF THE SITE. IN NO EVENT SHALL THE WORK AREA EXTEND BEYOND THE LIMITS INDICATED ON THE PLANS.
10. ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF WAYNE COUNTY AND THE CITY OF LIVONIA.
11. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE EFFECTIVENESS OF THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
12. EROSION AND/OR SEDIMENT FROM ON-SITE WORK SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, AND PONDS.
13. SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SESC PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST THE TRANSPORTING OF SILT OFF-SITE.
14. THE CONTRACTOR SHALL APPLY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED, AND AS DIRECTED ON THESE PLANS. TEMPORARY MEASURES SHALL BE REMOVED AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED AND APPROVED BY THE CITY OF LIVONIA ENGINEERING DIVISION.
15. DEBRIS FROM THE PROJECT SITE SHALL BE LEFT ON-SITE BY DELIVERY OR CONSTRUCTION VEHICLES THROUGH THE USE OF CLEAN STONE EXIT(S). SHOULD THE STONE BECOME LESS EFFECTIVE AND/OR EFFICIENT IT SHALL BE REPLACED. ALL CONSTRUCTION TRAFFIC MUST USE THE CLEAN STONE EXIT(S).
16. DUST CONTROL SHALL BE EXERCISED AT ALL TIMES WITHIN THE PROJECT BY THE DEVELOPER AND/OR HIS CONTRACTORS. SPRINKLING TANK TRUCKS MUST BE AVAILABLE AT ALL TIMES TO BE USED ON HAUL ROUTES OR OTHER PLACES WHERE DUST MAY BECOME A PROBLEM.
17. EARTH EMBANKMENT BRIDGES PLACED OVER NEW PAVEMENT SHALL BE LOCATED ONLY AT PAVEMENT HIGH-POINTS AND SHALL HAVE STRAW BALES PLACED ALONG EACH SIDE OF THE BRIDGE FOR THE WIDTH OF PAVEMENT.
18. IMMEDIATELY AFTER SEEDING, ALL SEEDED AREAS SHALL BE MULCHED WITH UNWEATHERED SMALL GRAIN STRAW OR HAY, SPREAD UNIFORMLY AT THE RATE OF $\frac{1}{4}$ TONS TO 2 TONS PER ACRE OR 100 POUNDS PER 1000 SQUARE FEET. ANCHOR MULCH WITH DISC-TYPE ANCHORING TOOL OR OTHER MEANS APPROVED BY THE CITY OF LIVONIA ENGINEERING DIVISION.



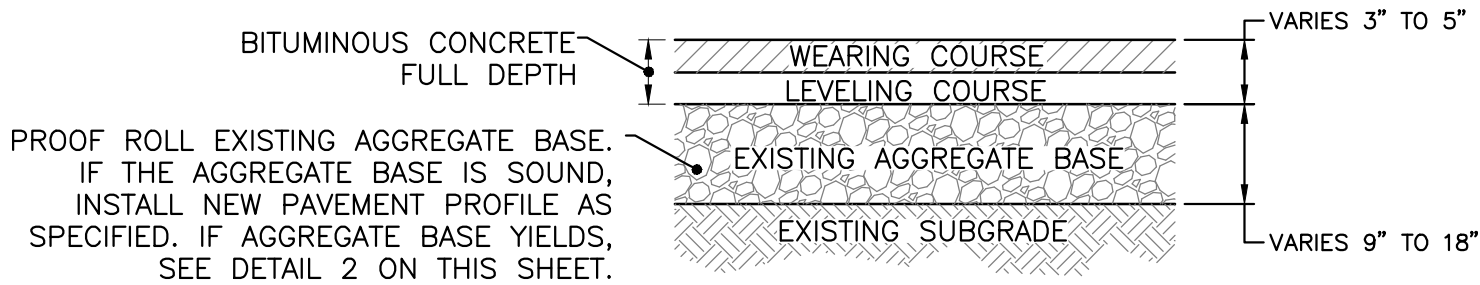
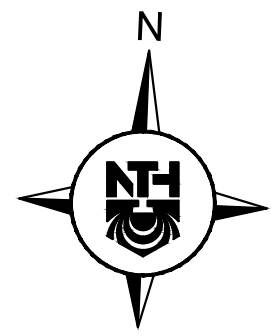
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15"	5'-0"	7'-0"	3'-0"	4.7
18"	5'-0"	7'-6"	3'-6"	4.3
21"	5'-6"	8'-0"	4'-0"	5.4
24"	6'-0"	8'-6"	4'-6"	6.3
27"	6'-6"	9'-0"	5'-0"	7.3
30"	7'-0"	9'-6"	5'-6"	8.4
36"	8'-0"	10'-9"	6'-0"	10.3
42"	9'-0"	11'-9"	6'-6"	12.0
48"	10'-0"	13'-0"	7'-0"	14.2
54"	11'-0"	13'-6"	7'-6"	15.9
60"	12'-0"	14'-0"	8'-0"	17.6

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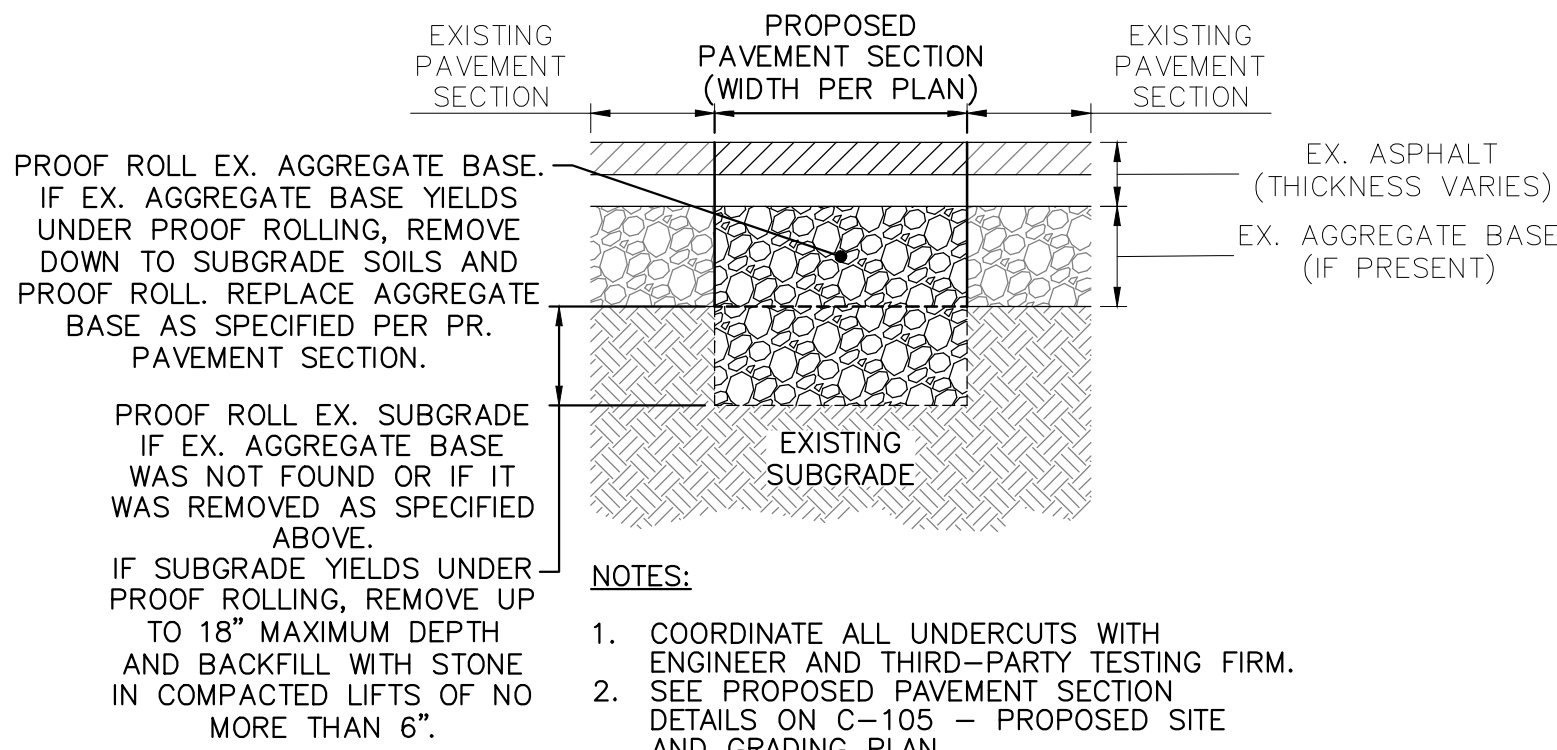


LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING CONTOURS
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING LANDSCAPING/LAWN AREA
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING BOLLARD POST
- EXISTING SIGN
- EXISTING ELECTRICAL OVERHEAD
- EXISTING ELECTRICAL UNDERGROUND
- EXISTING ELECTRICAL STRUCTURES
- EXISTING LIGHT POLE
- EXISTING GAS UNDERGROUND
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM STRUCTURES
- EXISTING TELEPHONE UNDERGROUND
- EXISTING WATER MAIN
- EXISTING HYDRANT
- EXISTING WATER STRUCTURES
- PROPOSED FULL DEPTH ASPHALT REMOVAL
- SAWCUT
- TRAFFIC CONTROL BARREL



1 FULL DEPTH ASPHALT REMOVAL DETAIL
NOT TO SCALE



- NOTES:
- COORDINATE ALL UNDERCUTS WITH ENGINEER AND THIRD-PARTY TESTING FIRM.
 - SEE PROPOSED PAVEMENT SECTION DETAILS ON C-105 - PROPOSED SITE AND GRADING PLAN.

2 UNDERCUT DETAIL
NOT TO SCALE

DEMOLITION NOTES

- LANDSCAPING SHALL NOT BE REMOVED UNLESS SPECIFIED ON PLANS. CONTRACTOR SHALL PROTECT AS NECESSARY DURING DURATION OF CONSTRUCTION.
- LOCATION OF UTILITIES OR OTHER STRUCTURES SHOWN ON PLANS ARE TAKEN FROM SURVEY OF RECORD. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS OR VARIATIONS. THE CONTRACTOR SHALL CONTACT MISS DIG A MINIMUM OF THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION IN THE AREA OF WORK AND SHALL VERIFY ALL UNDERGROUND UTILITIES ON-SITE, PRIOR TO CONSTRUCTION.
- UTILITIES AND ASSOCIATED STRUCTURES SHALL NOT BE REMOVED UNLESS SPECIFIED ON PLANS. CONTRACTOR SHALL FIELD VERIFY AND PROTECT ALL EXISTING UTILITY STRUCTURES AND SEWERAGE DURING THE DURATION OF CONSTRUCTION. PROVIDE FOR TEMPORARY BYPASS OF SEWERAGE AS REQUIRED TO FACILITATE CONSTRUCTION.
- ALL STORM AND SANITARY SEWERAGE AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND OPERABLE PRIOR TO CONSTRUCTION AND AGAIN AFTER CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL PROVIDE A LETTER DETAILING THAT ALL STORM AND SANITARY STRUCTURES AND SEWERS HAVE BEEN CLEANED AND ARE FREE FLOWING.
- ALL EXISTING ASPHALT TO BE REMOVED SHALL BE MILLED AND TRANSPORTED OFF-SITE TO LOCATIONS SUITABLE FOR PROPER DISPOSAL IN ACCORDANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS.
- ALL EXCESS MATERIALS ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS.
- ALL EXISTING SIGNAGE SHALL BE PROTECTED UNLESS OTHERWISE INDICATED ON PLANS.
- AT LEAST ONE ENTRY AND EXIT TO PARKING LOTS TO REMAIN OPEN DURING CONSTRUCTION AT ALL TIMES.

NTH Consultants, Ltd.
Infrastructure Engineering
Environmental Services
Facilities Engineering
www.nthconsultants.com

Northville, MI Lansing, MI
Detroit, MI Grand Rapids, MI
Livonia, MI (Laboratory)

3 WORKING DAYS
BEFORE YOU DIG
CALL MISS DIG
1-800-482-7171
For the location of public utility lines.
ALTERNATE NUMBER (811)
YOUR CODES FOR UTILITY LOCATING:

Yellow	Oil & Gas	Blue	Water
Orange	Phone & Cable	Green	Storm Drain
Red	Electric	Brown	Sewer
		Pink	Surveying

IF YOU ARE GOING TO WORK NEAR OVERHEAD WIRES - CALL MISS DIG



SEAL/STAMP:



REVISION BLOCK	
REV	DATE: DESCRIPTION

SUBMITTAL LOG	
DATE	PACKAGE NAME

PROJECT NAME:
**LIVONIA PUBLIC SCHOOLS
2025 PAVING PROGRAM -
FRANKLIN HIGH SCHOOL**

PROJECT LOCATION:
**31000 JOY ROAD
LIVONIA, MICHIGAN 48150**

DESIGNED BY: KBH	NTH PROJECT NO.: 23001951
DRAWN BY: KBH	SHEET SIZE: ARCH D (24"x36")
CHECKED BY: DRL	DATE: 1/30/2025
CAD FILE NAME: 23001951-02-DEMO	

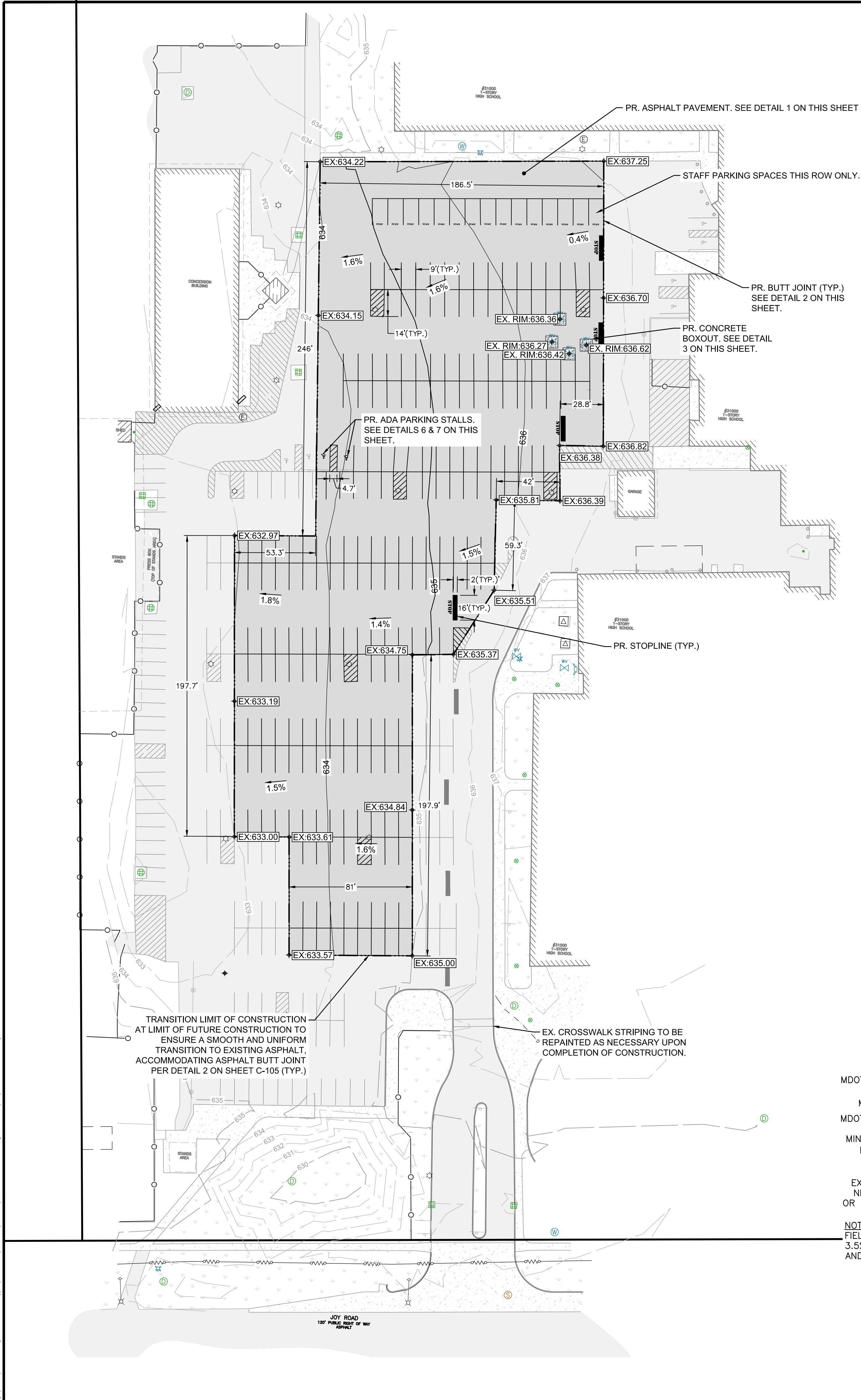
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DEMOLITION PLAN

SHEET NUMBER:

C-104

BID ALTERNATE

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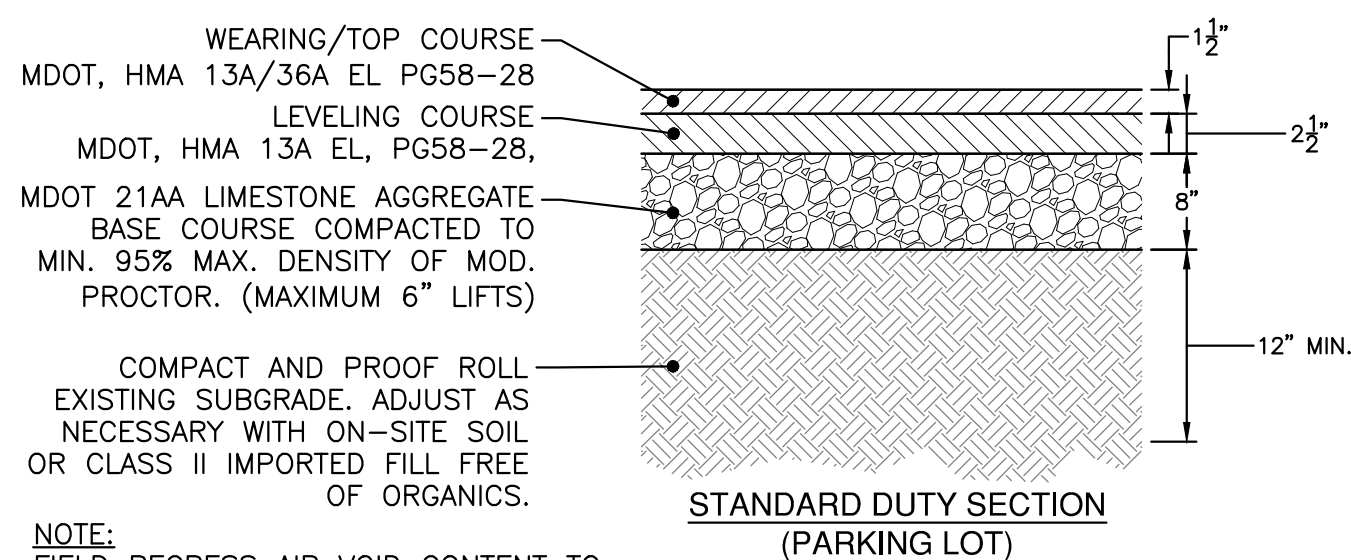
LEGEND

	EXISTING PROPERTY BOUNDARY
	EXISTING BUILDING
	EXISTING CONTOURS
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE PAVEMENT
	EXISTING LANDSCAPING/LAWN AREA
	EXISTING FENCE
	EXISTING GUARDRAIL
	EXISTING BOLLARD POST
	EXISTING SIGN
	EXISTING ELECTRICAL OVERHEAD
	EXISTING ELECTRICAL STRUCTURES
	EXISTING LIGHT POLE
	EXISTING SANITARY MANHOLE
	EXISTING STORM STRUCTURES
	EXISTING HYDRANT
	EXISTING WATER STRUCTURES
	PROPOSED CONTOURS
	PROPOSED SLOPE ARROW
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	EXISTING RIM SPOT ELEVATION
	PROPOSED ASPHALT PAVEMENT

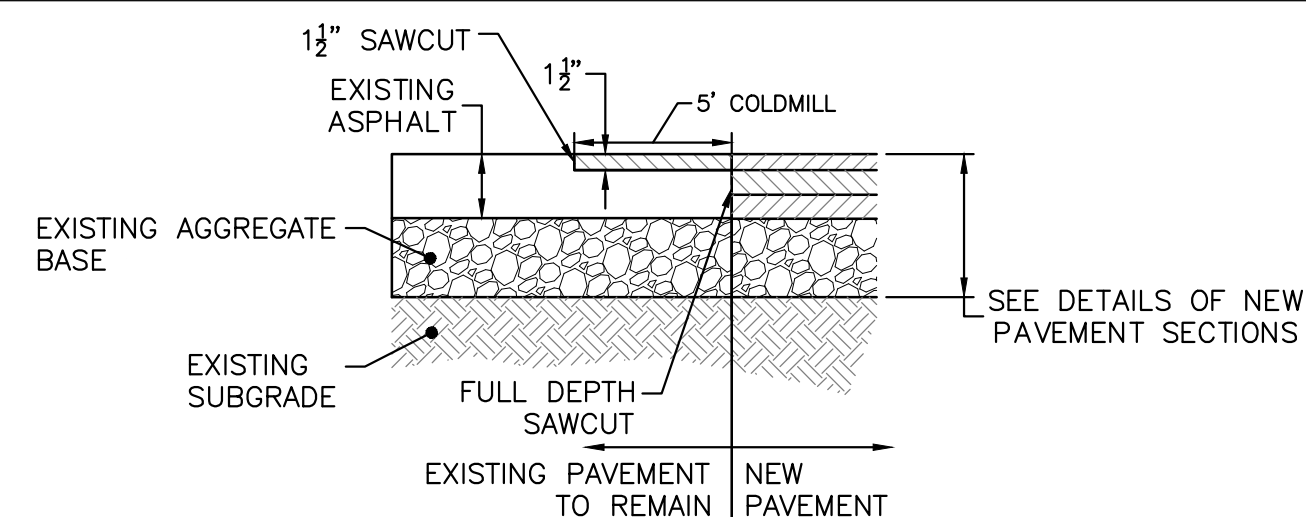
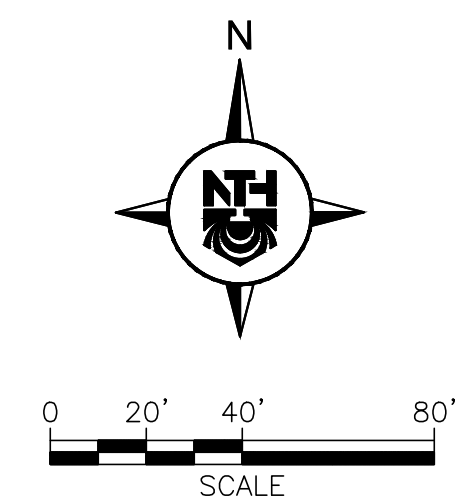
GENERAL NOTES

- TOPOGRAPHIC SURVEY WAS PERFORMED BY BY KEM-TEC & ASSOCIATES ON DECEMBER 2, 2016.
- LOCATION OF UTILITIES OR OTHER STRUCTURES SHOWN ON PLANS ARE TAKEN FROM SURVEY OF RECORD. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS OR VARIATIONS. THE CONTRACTOR SHALL CONTACT MISS DIG A MINIMUM OF THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION IN THE AREA OF WORK AND SHALL VERIFY ALL UNDERGROUND UTILITIES ON-SITE, PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TRAFFIC CONTROL AND SIGNAGE TO MAINTAIN ACCESS TO AND WITHIN PROPERTY THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH LOCAL, COUNTY AND STATE REQUIREMENTS OR AS DIRECTED BY ENGINEER. CONTRACTOR SHALL PROVIDE APPROPRIATE BARRICADES AROUND WORK AREAS FOR PEDESTRIAN AND VEHICULAR SAFETY.
- THE CONTRACTOR SHALL AVOID DAMAGE TO THE EXISTING PAVEMENTS DESIGNATED TO REMAIN. ANY PAVEMENT DAMAGE THAT OCCURS AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL NECESSARY CONSTRUCTION STAKING AND GRADE AND ALIGNMENT CONTROLS.
- ALL EXISTING SIGNAGE SHALL BE PROTECTED UNLESS OTHERWISE INDICATED ON PLANS.
- SPOT ELEVATIONS SHOWN ARE TOP OF PAVEMENT UNLESS OTHERWISE INDICATED.
- ALL PAVEMENT AREAS, EXISTING AND PROPOSED SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM DUMP TRUCK PRIOR TO PAVING. ANY UNSTABLE SUBGRADE SHALL BE REMOVED AND REPLACED WITH FILL COMPACTED TO 95% MAXIMUM DRY DENSITY OF MODIFIED PROCTOR.

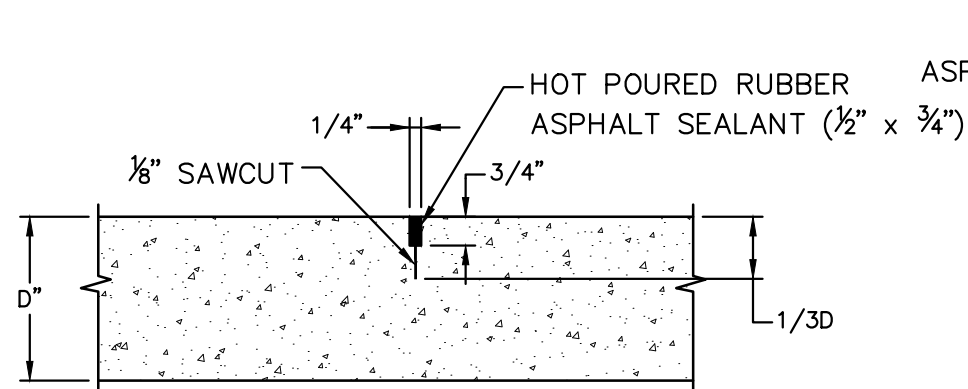
PAVEMENT MARKING TABLE			
MARKING	PAINT SPEC	SIZE	COATS/COLOR
PARKING STRIPES	SECTION 32 1723.13	4"	2/WHITE
ADA PARKING STRIPES		4"	2/BUE
ADA BUFFER STRIPING		4",24" CENTER TO CENTER SPACING	2/BUE
STOP/YIELD LINE		24"	2/WHITE
LETTERING		12" WIDTH X 18" TALL, 4" SPACING BETWEEN NUMBERS	2/WHITE



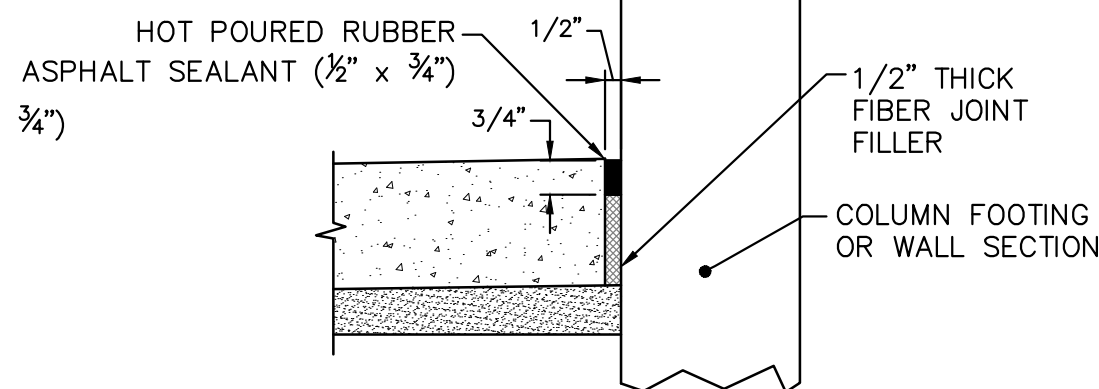
1 ASPHALT PAVEMENT DETAIL
NOT TO SCALE



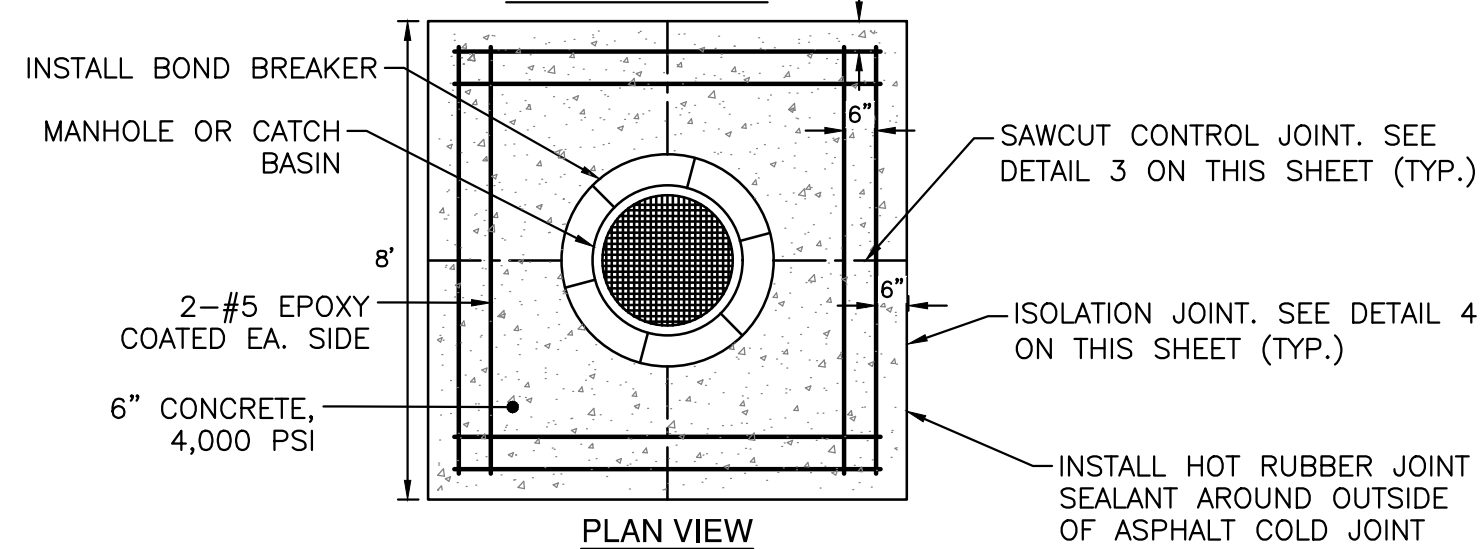
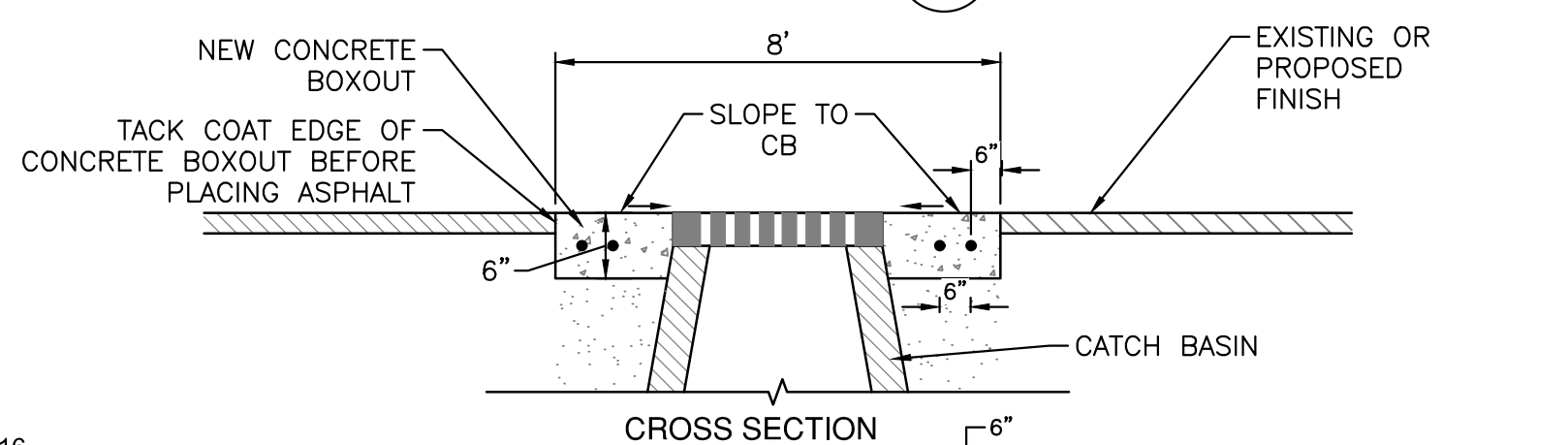
2 BUTT JOINT
NOT TO SCALE



3 SAWCUT CONTROL JOINT
NOT TO SCALE



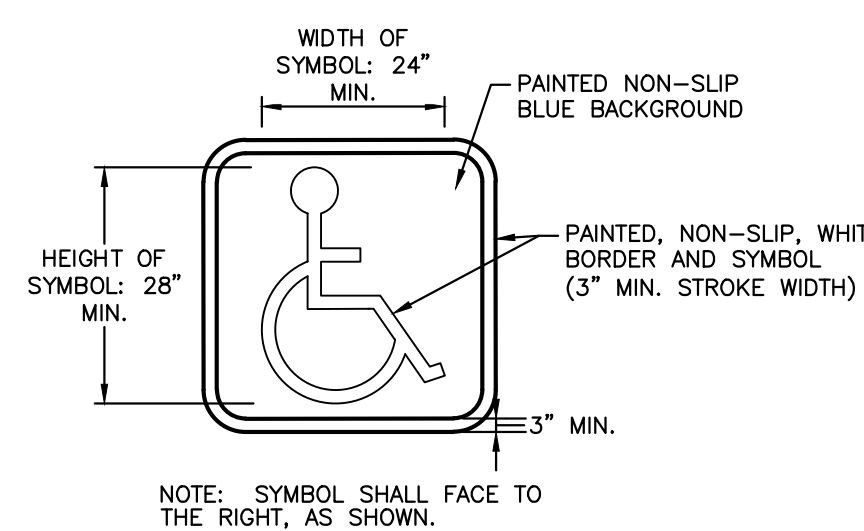
4 ISOLATION JOINT-STRUCTURE
NOT TO SCALE



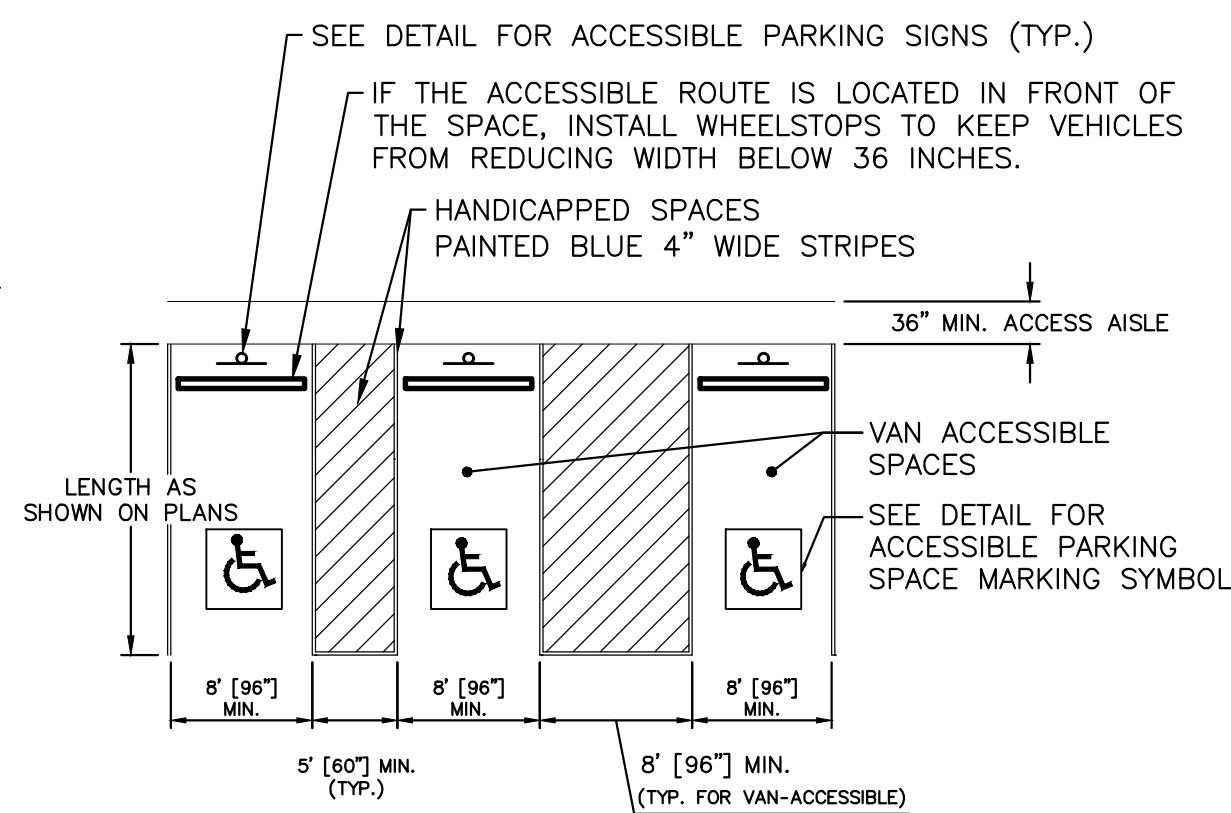
NOTES

- BOXOUT SHOULD BE CONSTRUCTED PARALLEL TO THE EXISTING TRAFFIC FLOW DIRECTION. ADD UNDERDRAIN IF NONE PRESENT.
- HOT-POURED SEALANT SHALL BE PLACED AROUND OUTSIDE OF CATCH BASIN/MANHOLE RIM AND EXTENTS OF CONCRETE FOR EX. AND PR. CONCRETE BOXOUTS.

5 CONCRETE BOXOUT
NOT TO SCALE



6 ACCESSIBLE PARKING SPACE MARKING SYMBOL
NOT TO SCALE



7 ACCESSIBLE PARKING STALLS
NOT TO SCALE

NOTES:

- ACCESS AISLE OF AT LEAST 60-INCH WIDTH MUST BE LEVEL (1:50 MAXIMUM SLOPE IN ALL DIRECTIONS), BE THE SAME LENGTH AS THE ADJACENT PARKING SPACE(S) IT SERVES AND MUST CONNECT TO AN ACCESSIBLE ROUTE TO THE BUILDING. RAMPS MUST NOT EXTEND INTO THE ACCESS AISLE.
- BOUNDARY OF THE ACCESS AISLE MUST BE THE END MAY BE A SQUARED OR CURVED SHAPE.
- TWO ACCESSIBLE PARKING SPACES MAY SHARE AN ACCESS AISLE.

BID ALTERNATE



SEAL/STAMP:



REVISION BLOCK	
REV	DATE: DESCRIPTION

SUBMITTAL LOG	
DATE	PACKAGE NAME

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DRAWN BY: KBH	SHEET SIZE: ARCH D (24"x36")
CHECKED BY: DRL	DATE: 1/30/2025
CAD FILE NAME: 23001951-02-SITE	

SHEET TITLE:
**PROPOSED SITE AND
GRADING PLAN**

SHEET NUMBER:

C-105