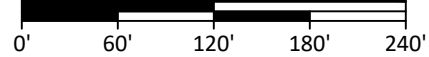
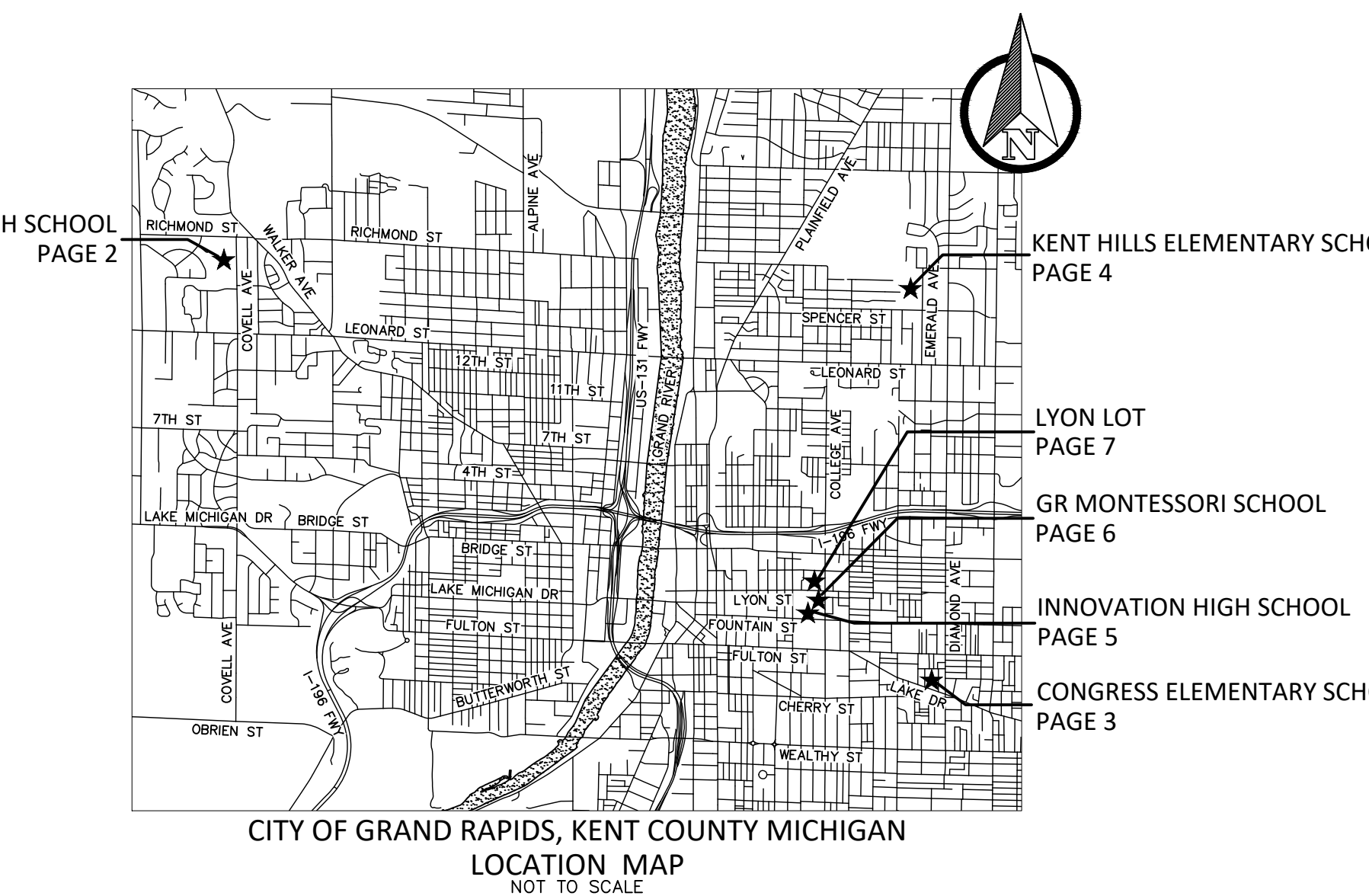
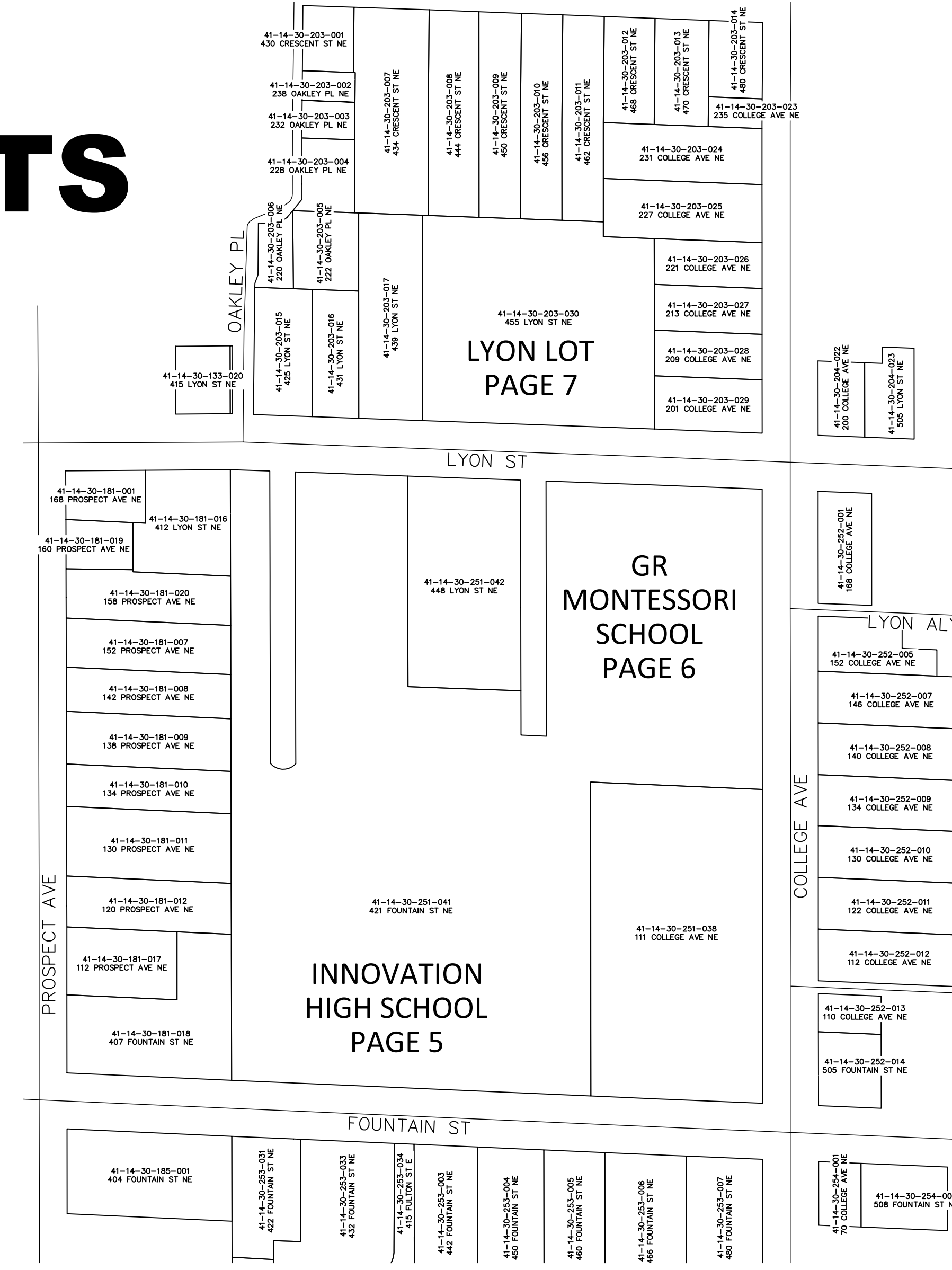
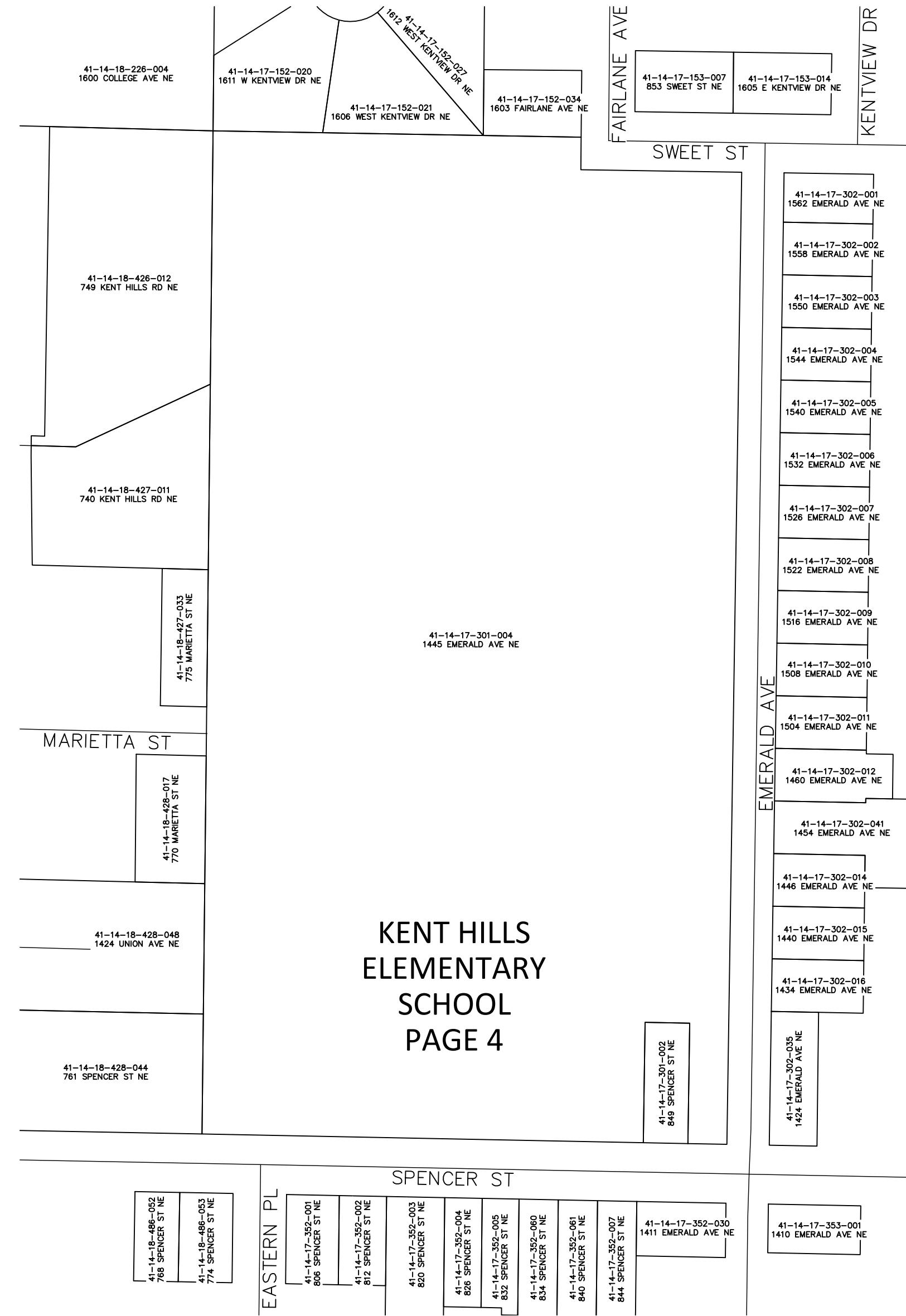
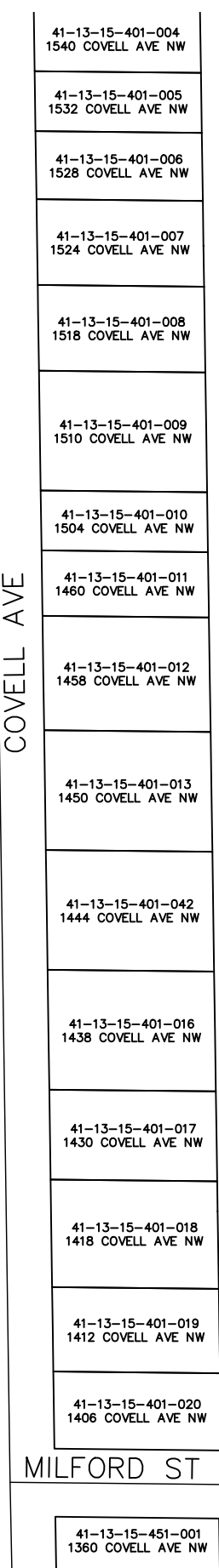
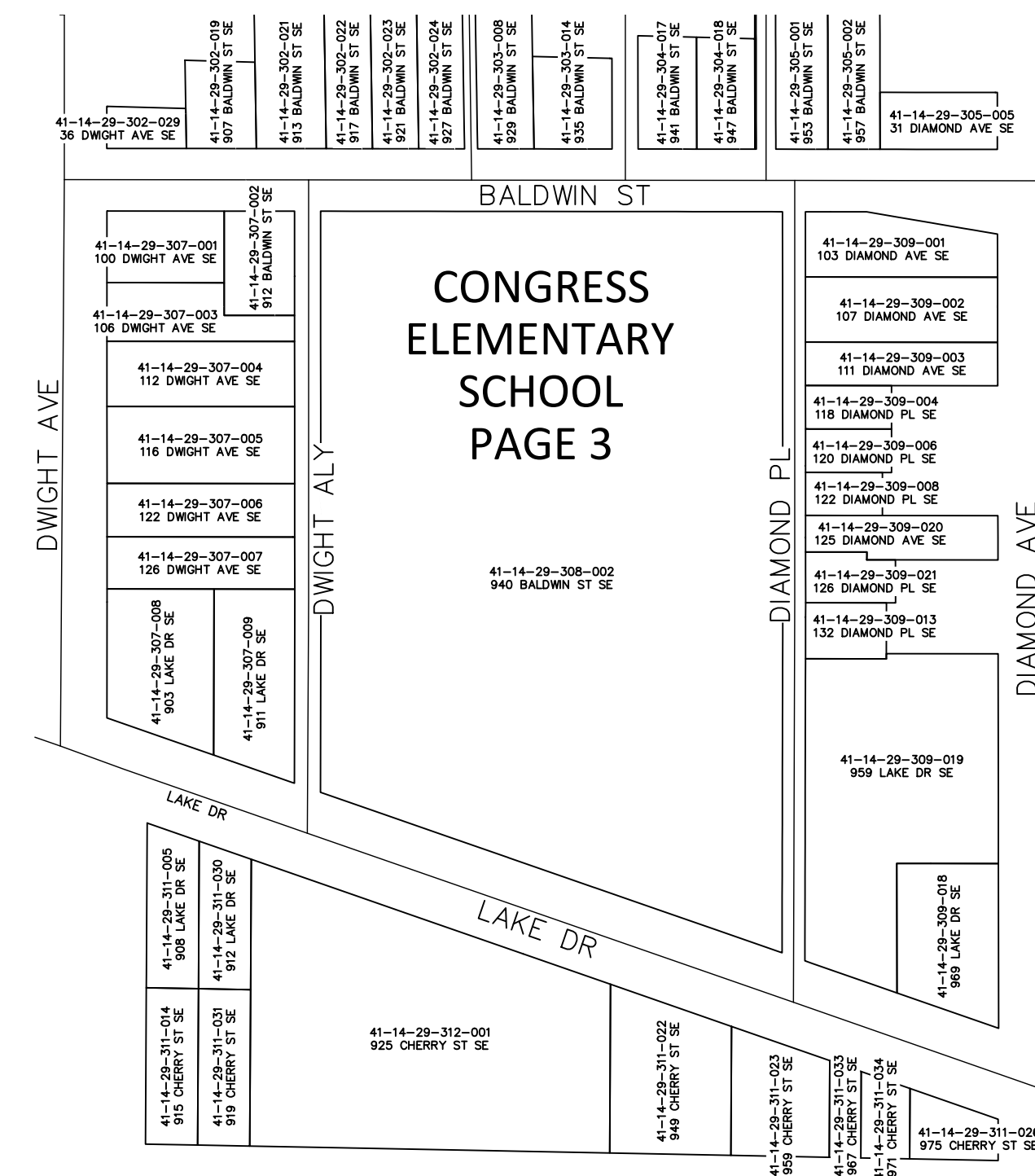
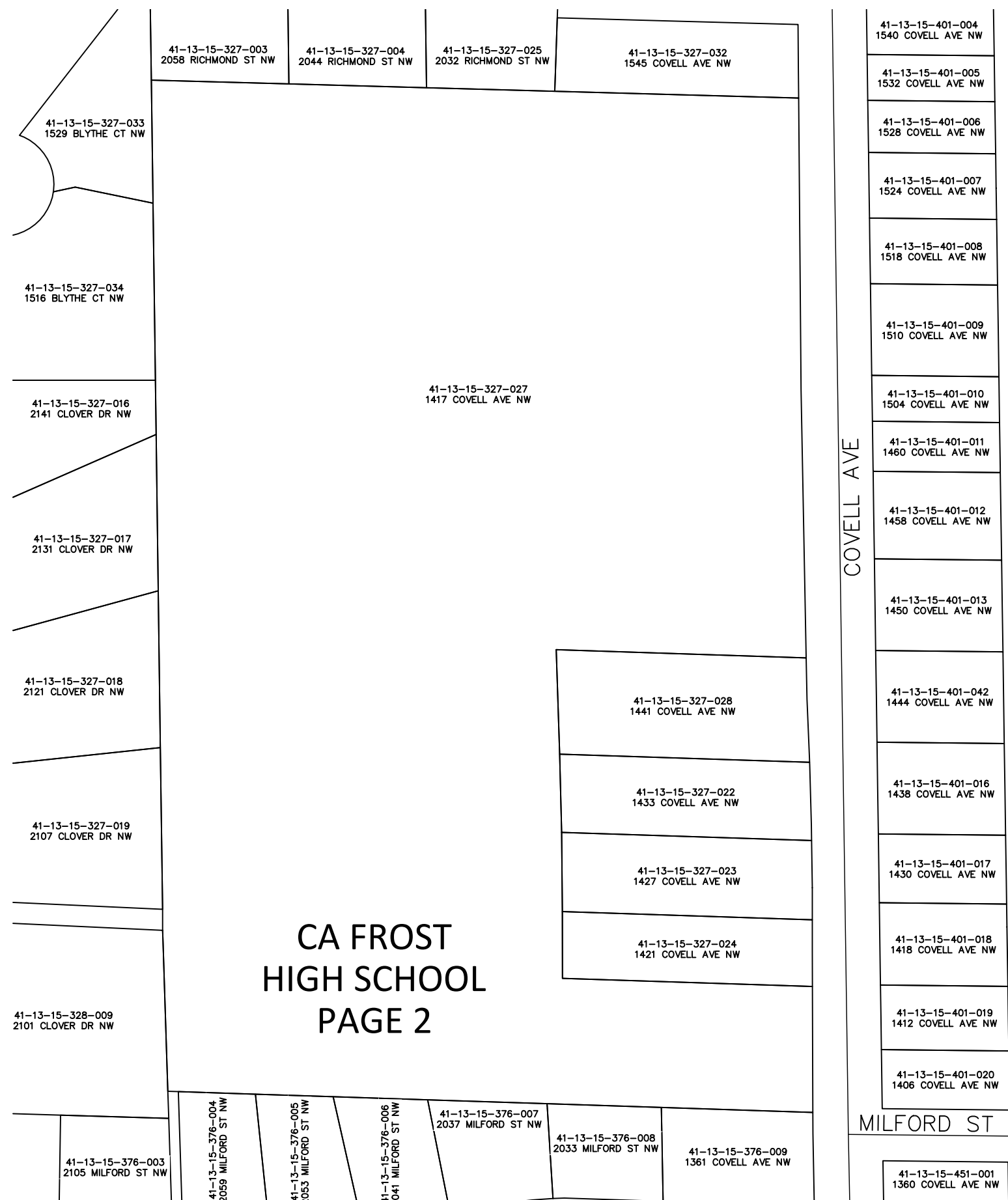


SCALE: 1" = 120'



CITY OF GRAND RAPIDS KENT COUNTY, MICHIGAN

2025 PAVING PROJECTS



OWNER
GRAND RAPIDS PUBLIC SCHOOLS
1331 MARTIN LUTHER KING JR ST SE
GRAND RAPIDS, MI 49506
616-819-2000

DESIGN ENGINEER
VK CIVIL
7885 BYRON CENTER AVE SW,
STE A, BYRON CENTER, MI 49315
COLIN FINCH, P.E.
616-277-2185
COLIN@VKCIVIL.COM

PLAN INDEX	
SHEET No.	DESCRIPTION
PAGE 1 OF 8	TITLE SHEET
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NO.	DATE	REVISION	BY
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2	8/27/2024	PROGRESS PLAN	JTR
3	9/06/2024	DUE DILIGENCE PLAN	JTR
4	10/08/2024	DESIGN PROGRESS PLAN	JTR
5	10/16/2024	FOR BIDDING	JTR

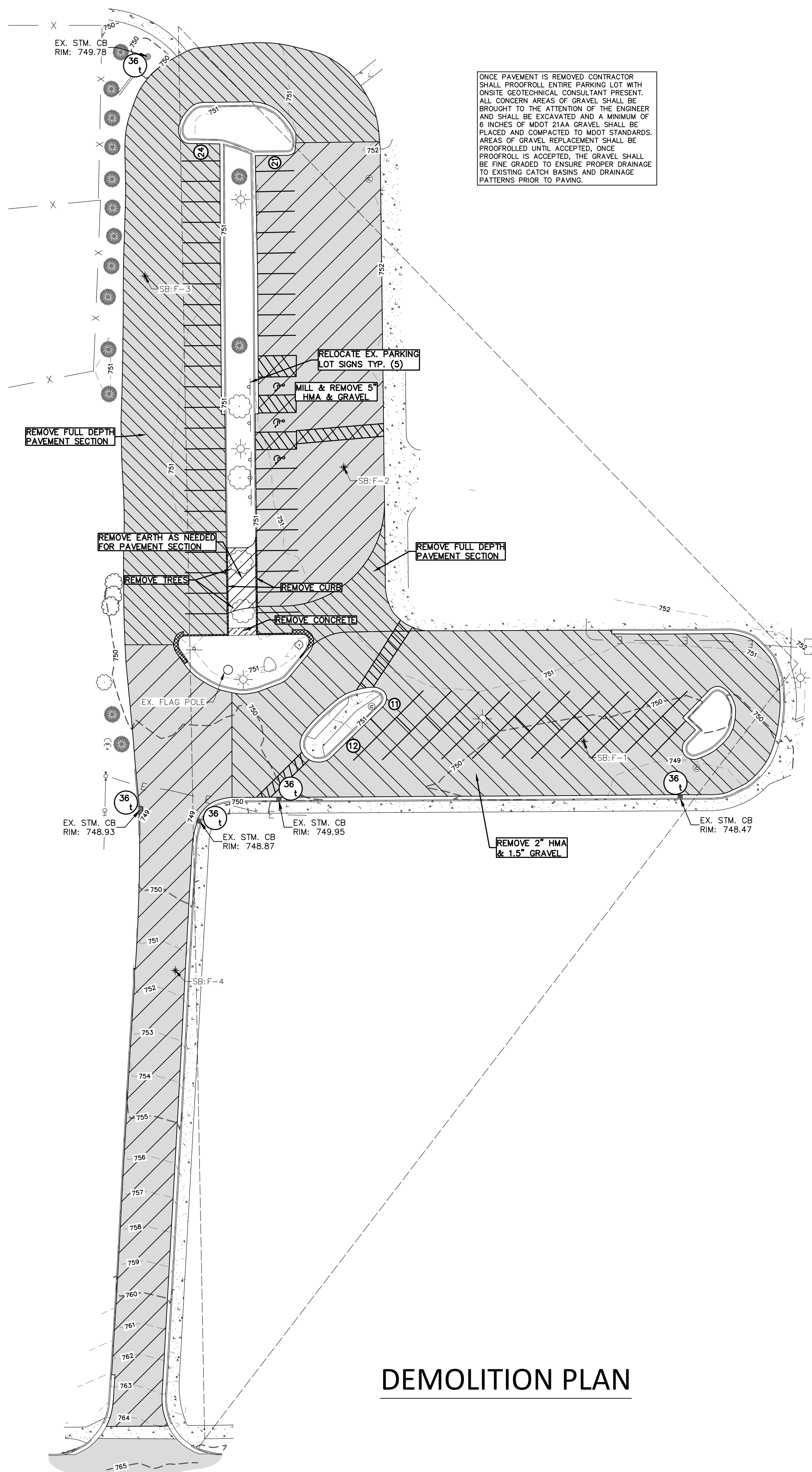
GRAND RAPIDS PUBLIC SCHOOLS
CITY OF GRAND RAPIDS, MI
2025 PAVING PROJECTS
TITLE SHEET



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Kalamazoo, MI (269) 697-7120

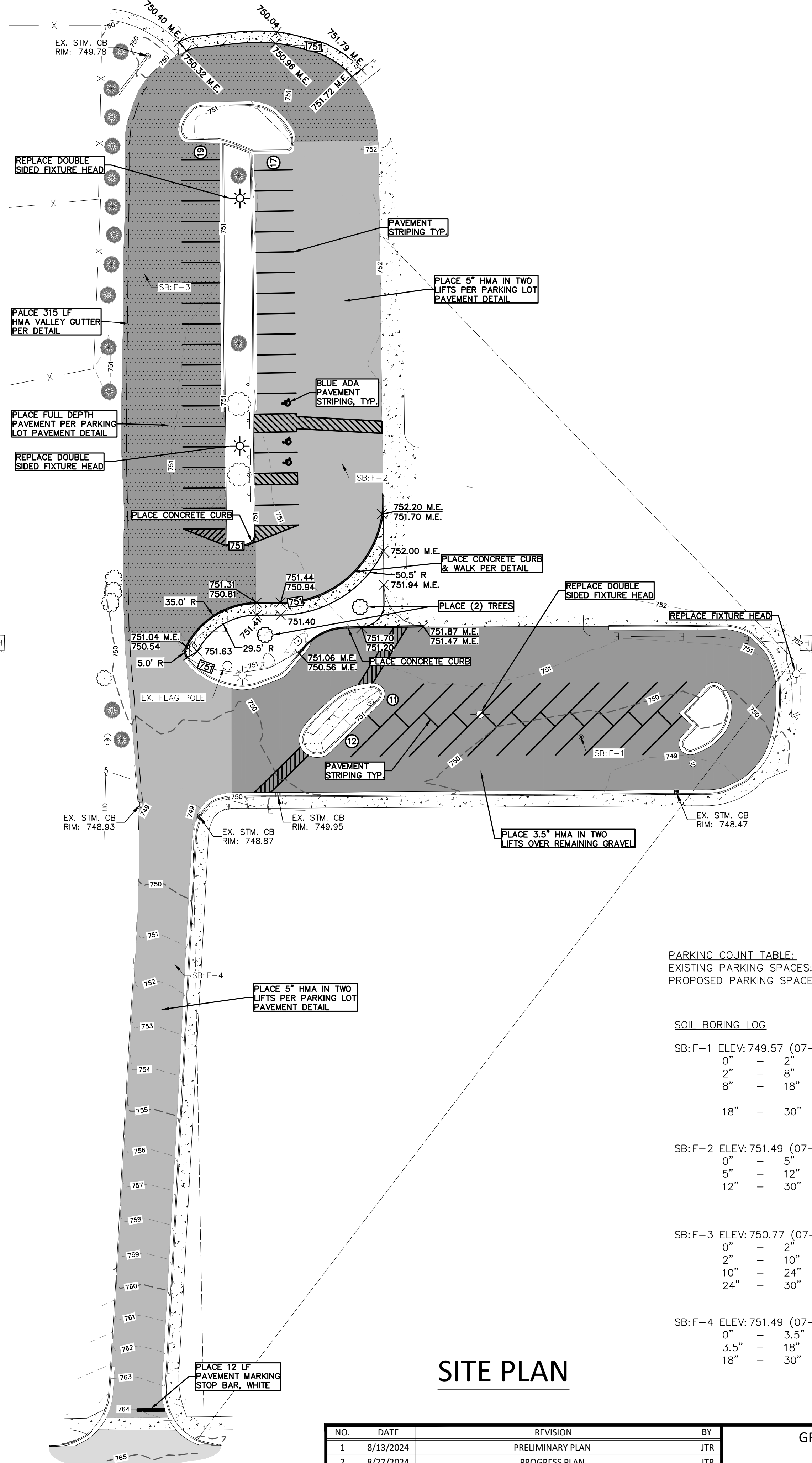
FILE NO. 1376
CHECKED CMF
Sheet No. 1 OF 8

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DEMOLITION PLAN

ONCE PAVEMENT IS REMOVED CONTRACTOR SHALL PROOFROLL ENTIRE PARKING LOT WITH ON-SITE GEOTECHNICAL CONSULTANT PRESENT. ALL CONCERN AREAS OF GRAVEL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE EXCAVATED AND A MINIMUM OF 6 INCHES OF MDOT 21AA GRAVEL SHALL BE PLACED AND COMPACTED TO MDOT STANDARDS. AREAS OF GRAVEL REPLACEMENT SHALL BE PROOFROLLED UNTIL ACCEPTED, ONCE PROOFROLL IS ACCEPTED, THE GRAVEL SHALL BE FINE GRADED TO ENSURE PROPER DRAINAGE TO EXISTING CATCH BASINS AND DRAINAGE PATTERNS PRIOR TO PAVING.



SITE PLAN

SYMBOL LEGEND

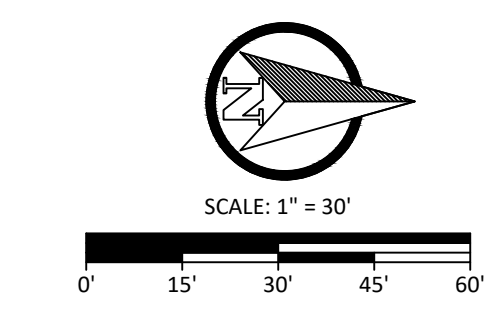
- EXISTING TREE
- ⊕ TREE STUMP
- SIGN
- ⊞ MAILBOX
- BOLLARD
- ⊕ LIGHT POLE
- ⊕ POWER POLE
- ⊕ GUYWIRE
- ⊞ COM/ELEC STRUCTURE
- ⊞ GAS METER
- ⊞ VALVE
- ⊞ HYDRANT
- ⊞ WELL
- ⊞ CLEANOUT
- ⊞ SANITARY SEWER MANHOLE
- ⊞ STORM CATCH BASIN
- ⊞ STORM MANHOLE
- ⊞ STORM FLARED END SECTION
- ⊞ RIP RAP
- FLOW DIRECTION ARROW
- ⊞ SECTION CORNER
- ⊞ PROPERTY CORNER - SET
- ⊞ PROPERTY CORNER - FOUND
- ⊞ BENCHMARK/CONTROL POINT
- ⊞ SOIL BORING

LINE LEGEND

- LANDSCAPING
- EXISTING OVERHEAD ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- GAS
- EXISTING GAS
- PROPOSED GAS
- EXISTING COMMUNICATIONS
- PROPOSED COMMUNICATIONS
- EXISTING FENCE
- PROPOSED FENCE
- RIGHT OF WAY
- EASEMENT
- SETBACK
- EXISTING GRAVEL
- PROPOSED GRAVEL
- PROPOSED SWALE CENTERLINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED WATERMAIN

HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
- REMOVE PAVEMENT
- MILL HOT MIXED ASPHALT
- MILL 2" HOT MIXED ASPHALT & REMOVE 1.5" GRAVEL
- REMOVE EARTH FOR PAVEMENT
- PROPOSED 3.5" HOT MIXED ASPHALT
- PROPOSED 5" HOT MIXED ASPHALT
- PROPOSED FULL DEPTH PARKING LOT HOT MIXED ASPHALT
- EXISTING GRAVEL
- EXISTING CONCRETE
- DEMO CONCRETE
- PROPOSED CONCRETE



PARKING COUNT TABLE:
 EXISTING PARKING SPACES: 68 TOTAL (3 ADA SPACES)
 PROPOSED PARKING SPACES: 59 TOTAL (3 ADA SPACES)

SOIL BORING LOG

SB-F-1	ELEV: 749.57 (07-01-2024)	0" - 2"	ASPHALT
		2" - 8"	GRAVEL
		8" - 18"	SAND (LOOSE, BROWN, FINE GRAINED, MOIST)
		18" - 30"	SANDY CLAY (VERY STIFF, BROWN, TRACE GRAVEL, MOIST)
SB-F-2	ELEV: 751.49 (07-01-2024)	0" - 5"	ASPHALT
		5" - 12"	GRAVEL
		12" - 30"	SAND (MEDIUM DENSE, BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, MOIST)
SB-F-3	ELEV: 750.77 (07-01-2024)	0" - 2"	ASPHALT
		2" - 10"	GRAVEL
		10" - 24"	CLAYEY TOPSOIL
		24" - 30"	SANDY CLAY (VERY STIFF, BROWN, TRACE GRAVEL, MOIST)
SB-F-4	ELEV: 751.49 (07-01-2024)	0" - 3.5"	ASPHALT
		3.5" - 18"	GRAVEL
		18" - 30"	CLAYEY SAND (LOOSE, BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, MOIST)



NOTE:
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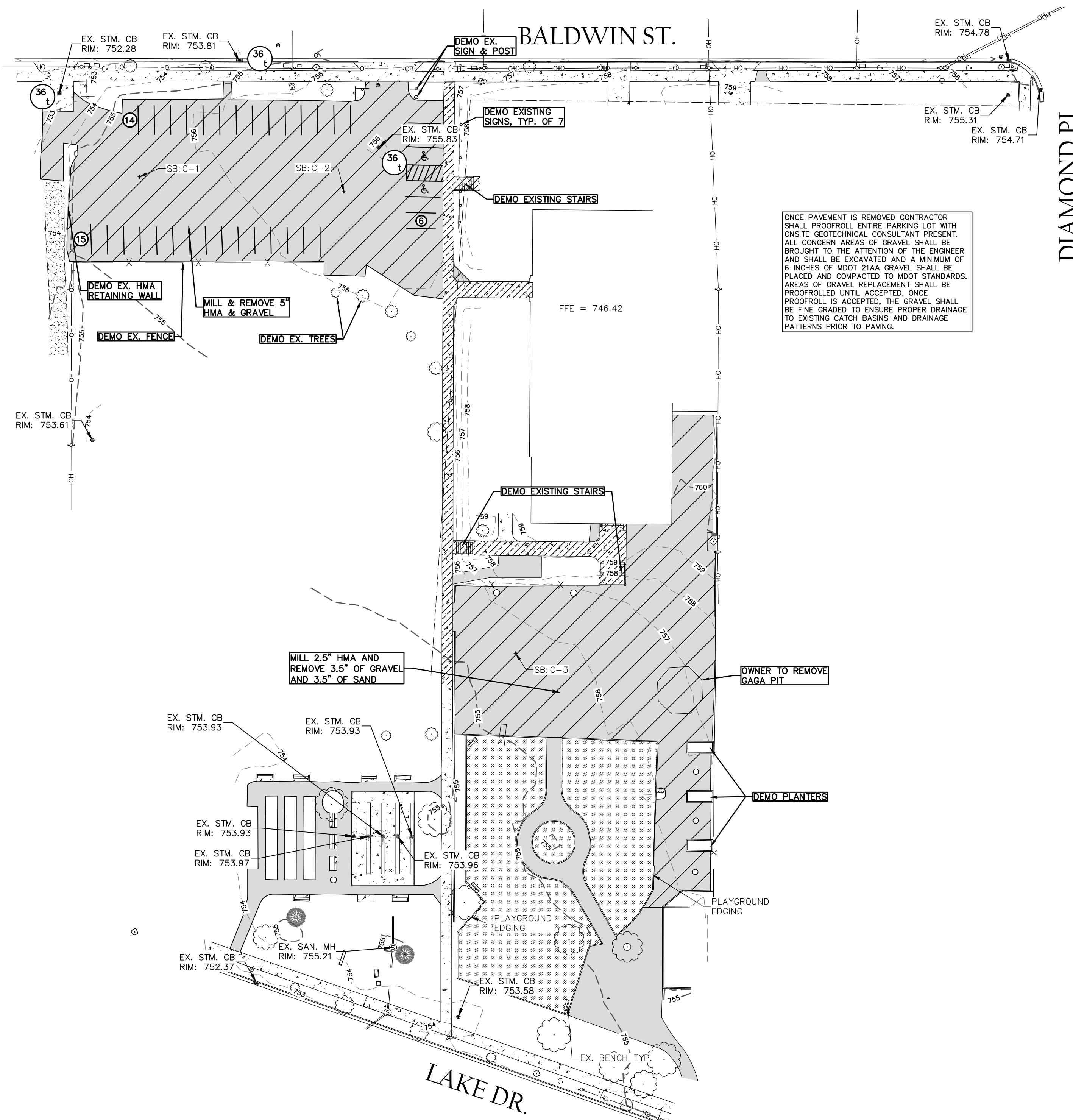
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5	10/16/2024	FOR BIDDING	JTR

GRAND RAPIDS PUBLIC SCHOOLS
 CITY OF GRAND RAPIDS, MI
2025 PAVING PROJECTS
 CA FROST HIGH SCHOOL PLAN

VK CIVIL Vriesman & Korhorn
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 Sheet No. 2 OF 8

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DEMOLITION PLAN

ONCE PAVEMENT IS REMOVED CONTRACTOR SHALL PROOFROLL ENTIRE PARKING LOT WITH ONSITE GEOTECHNICAL CONSULTANT PRESENT. ALL CONCERN AREAS OF GRAVEL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE EXCAVATED AND A MINIMUM OF 6 INCHES OF MDOT 21AA GRAVEL SHALL BE PLACED AND COMPACTED TO MDOT STANDARDS. AREAS OF GRAVEL REPLACEMENT SHALL BE PROOFROLLED UNTIL ACCEPTED. ONCE PROOFROLL IS ACCEPTED, THE GRAVEL SHALL BE FINE GRADED TO ENSURE PROPER DRAINAGE TO EXISTING CATCH BASINS AND DRAINAGE PATTERNS PRIOR TO PAVING.

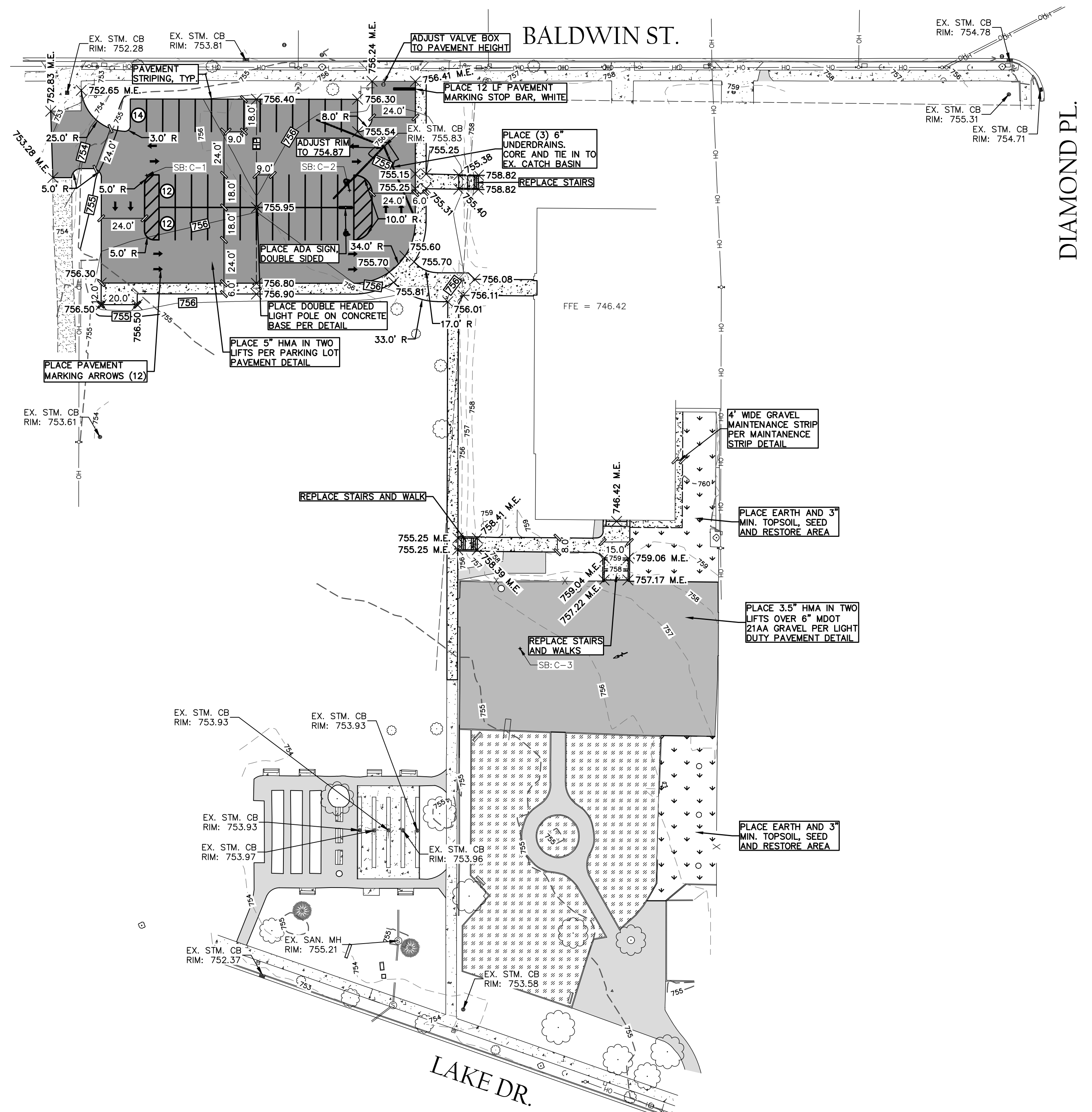
PARKING COUNT TABLE:
 EXISTING PARKING SPACES: 35 TOTAL (2 ADA SPACES)
 PROPOSED PARKING SPACES: 38 TOTAL (2 ADA SPACES)

SOIL BORING LOG

SB-C-1 ELEV: 755.51 (07-01-2024)
 0" - 5" ASPHALT
 5" - 10" GRAVEL
 20" - 30" SAND (LOOSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, MOIST)

SB-C-2 ELEV: 756.33 (07-01-2024)
 0" - 4.5" ASPHALT
 4.5" - 10" GRAVEL
 10" - 30" SAND (MEDIUM DENSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, MOIST)

SB-C-3 ELEV: 755.43 (07-01-2024)
 0" - 2.5" ASPHALT
 2.5" - 6" GRAVEL
 6" - 18" FILL-SAND (BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, TRACE CONCRETE, MOIST)
 18" - 30" SAND (BROWN, FINE GRAINED, MOIST)



SITE PLAN

SYMBOL LEGEND

- EXISTING TREE
- ⊕ TREE STUMP
- SIGN
- Ⓜ MAILBOX
- BOLLARD
- ⋆ LIGHT POLE
- ⚡ POWER POLE
- ⊕ GUYWIRE
- Ⓜ COM/ELEC STRUCTURE
- Ⓜ GAS METER
- ⊕ VALVE
- ⊕ HYDRANT
- ⊕ WELL
- ⊕ CLEANOUT
- ⊕ SANITARY SEWER MANHOLE
- ⊕ STORM CATCH BASIN
- ⊕ STORM MANHOLE
- ⊕ STORM FLARED END SECTION
- ⊕ RIP RAP
- ➔ FLOW DIRECTION ARROW
- ⊕ SECTION CORNER
- ⊕ PROPERTY CORNER - SET
- ⊕ PROPERTY CORNER - FOUND
- ⊕ BENCHMARK/CONTROL POINT
- ⊕ SOIL BORING

LINE LEGEND

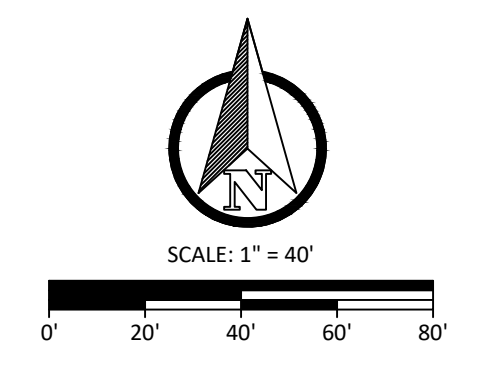
- DH — EXISTING OVERHEAD ELECTRIC
- - - DH - - - PROPOSED OVERHEAD ELECTRIC
- E — EXISTING UNDERGROUND ELECTRIC
- - - E - - - PROPOSED UNDERGROUND ELECTRIC
- GAS — EXISTING GAS
- - - GAS - - - PROPOSED GAS
- C — EXISTING COMMUNICATIONS
- - - C - - - PROPOSED COMMUNICATIONS
- X — EXISTING FENCE
- - - X - - - PROPOSED FENCE
- — — RIGHT OF WAY
- — — EASEMENT
- — — SETBACK
- — — EXISTING GRAVEL
- - - PROPOSED GRAVEL
- — — PROPOSED SWALE CENTERLINE
- — — EXISTING STORM SEWER
- - - PROPOSED STORM SEWER
- — — EXISTING SANITARY SEWER
- - - PROPOSED SANITARY SEWER
- — — EXISTING WATERMAIN
- - - PROPOSED WATERMAIN

HATCH LEGEND

- ▨ EXISTING HOT MIXED ASPHALT
- ▨ MILL HOT MIXED ASPHALT
- ▨ PROPOSED 3.5" HOT MIXED ASPHALT AND 6" GRAVEL
- ▨ PROPOSED 5" HOT MIXED ASPHALT
- ▨ EXISTING GRAVEL
- ▨ PROPOSED GRAVEL
- ▨ EXISTING CONCRETE
- ▨ DEMO CONCRETE
- ▨ PROPOSED CONCRETE
- ▨ PROPOSED HEAVY DUTY CONCRETE
- ▨ PLAYGROUND WOODCHIPS



NOTE:
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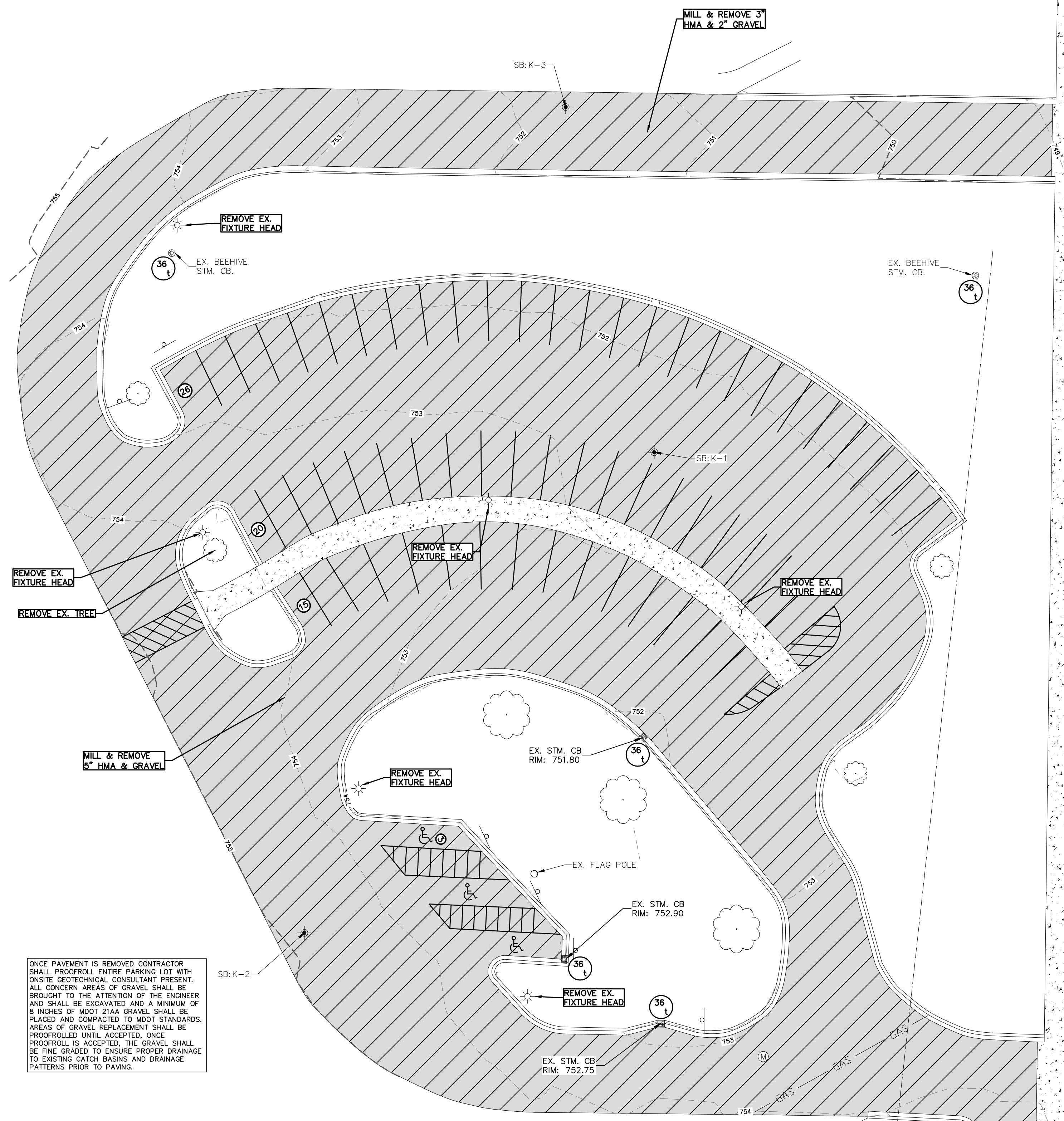
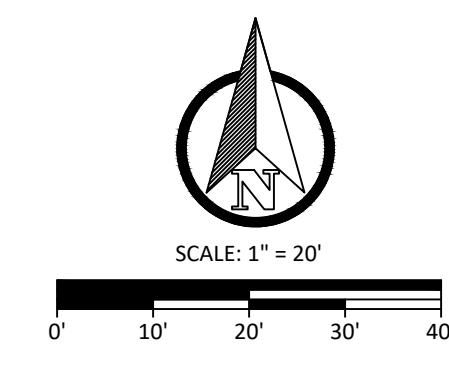


NO.	DATE	REVISION	BY
1	8/13/2024	PRELIMINARY PLAN	JTR
2	8/27/2024	PROGRESS PLAN	JTR
3	9/06/2024	DUE DILIGENCE PLAN	JTR
4	10/08/2024	DESIGN PROGRESS PLAN	JTR
5	10/16/2024	FOR BIDDING	JTR

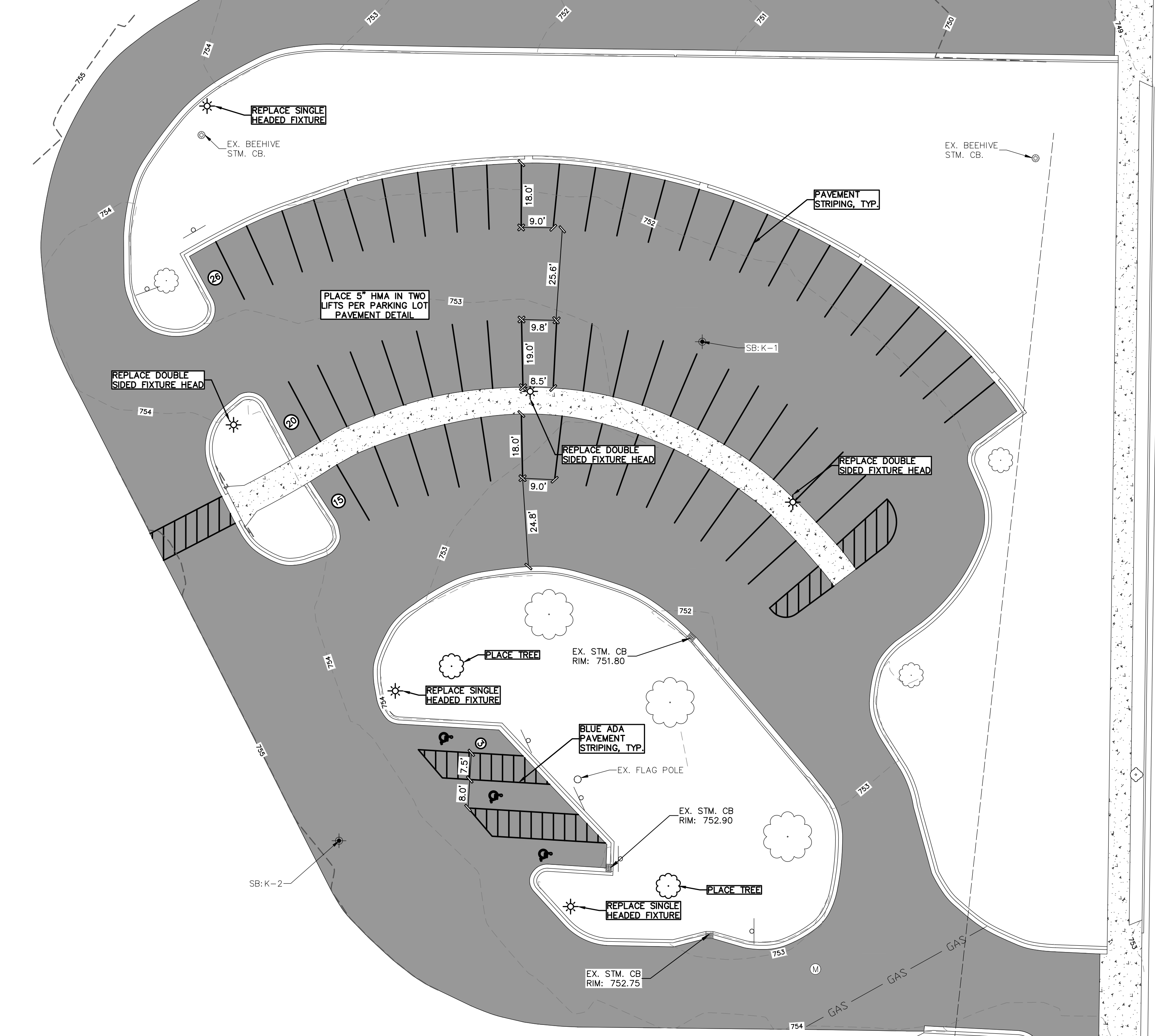
GRAND RAPIDS PUBLIC SCHOOLS
 CITY OF GRAND RAPIDS, MI
2025 PAVING PROJECTS
 CONGRESS ELEMENTARY SCHOOL PLAN



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DEMOLITION PLAN



SITE PLAN

ONCE PAVEMENT IS REMOVED CONTRACTOR SHALL PROOFROLL ENTIRE PARKING LOT WITH ONSITE GEOTECHNICAL CONSULTANT PRESENT. ALL CONCERN AREAS OF GRAVEL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE EXCAVATED AND A MINIMUM OF 8 INCHES OF MOOT 21A GRAVEL SHALL BE PLACED AND COMPACTED TO MOOT STANDARDS. AREAS OF GRAVEL REPLACEMENT SHALL BE PROOFROLLED UNTIL ACCEPTED. ONCE PROOFROLL IS ACCEPTED, THE GRAVEL SHALL BE FINE GRADED TO ENSURE PROPER DRAINAGE TO EXISTING CATCH BASINS AND DRAINAGE PATTERNS PRIOR TO PAVING.

PARKING COUNT TABLE:
 EXISTING PARKING SPACES: 64 TOTAL (3 ADA SPACES)
 PROPOSED PARKING SPACES: 64 TOTAL (3 ADA SPACES)

SOIL BORING LOG

SB:K-1 ELEV: 752.79 (07-01-2024)	0" - 4" ASPHALT	SB:K-3 ELEV: 751.70 (07-01-2024)	0" - 3" ASPHALT
4" - 11" GRAVEL	3" - 11" GRAVEL	11" - 30" SAND (MEDIUM DENSE, BROWN, FINE TO MEDIUM GRAINED, MOIST)	
11" - 25" SANDY (LOOSE, BROWN, FINE GRAINED, MOIST)			
25" - 30" SANDY (LOOSE, DARK BROWN, FINE GRAINED, TRACE TOPSOIL, TRACE CLAY, MOIST)			
SB:K-2 ELEV: 754.59 (07-01-2024)	0" - 4.5" ASPHALT	SB:K-4 ELEV: 755.75 (07-01-2024)	0" - 5.5" ASPHALT
4.5" - 15" GRAVEL	5.5" - 9" TOPSOIL	9" - 30" SANDY CLAY (STIFF, BROWN, MOIST)	
15" - 30" SAND (MEDIUM DENSE, BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, MOIST)			
	SB:K-5 ELEV: 755.63 (07-01-2024)	0" - 3" ASPHALT	
	3" - 18" GRAVEL	18" - 30" SANDY CLAY (VERY STIFF, BROWN, MOIST)	



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SYMBOL LEGEND

- EXISTING TREE
- TREE STUMP
- SIGN
- MAILBOX
- BOLLARD
- ★ LIGHT POLE
- ⊕ POWER POLE
- GUYWIRE
- COM/ELEC STRUCTURE
- GAS METER
- VALVE
- HYDRANT
- WELL
- CLEANOUT
- SANITARY SEWER MANHOLE
- STORM CATCH BASIN
- STORM MANHOLE
- STORM FLARED END SECTION
- RIP RAP
- FLOW DIRECTION ARROW
- ◆ SECTION CORNER
- ◆ PROPERTY CORNER - SET
- ◆ PROPERTY CORNER - FOUND
- ▲ BENCHMARK/CONTROL POINT
- ◆ SOIL BORING

LINE LEGEND

- EXISTING OVERHEAD ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING GAS
- PROPOSED GAS
- EXISTING COMMUNICATIONS
- PROPOSED COMMUNICATIONS
- EXISTING FENCE
- PROPOSED FENCE
- EASEMENT
- SETBACK
- EXISTING GRAVEL
- PROPOSED GRAVEL
- PROPOSED SWALE CENTERLINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED WATERMAIN

HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
- MILL HOT MIXED ASPHALT
- EXISTING GRAVEL
- EXISTING CONCRETE

NO.	DATE	REVISION	BY
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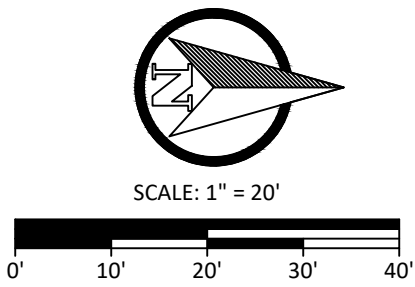
GRAND RAPIDS PUBLIC SCHOOLS
 CITY OF GRAND RAPIDS, MI
2025 PAVING PROJECTS
 KENT HILLS ELEMENTARY SCHOOL PLAN



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 Sheet No. 4 OF 8

PROSPECT AVE.

PROSPECT AVE.



SYMBOL LEGEND

- EXISTING TREE
- ⊗ TREE STUMP
- SIGN
- ☐ MAILBOX
- BOLLARD
- LIGHT POLE
- ⊕ POWER POLE
- GUYWIRE
- ☒ COM/ELEC STRUCTURE
- ⊗ GAS METER
- ⊗ VALVE
- ⊗ HYDRANT
- ⊗ WELL
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- ⊗ STORM CATCH BASIN
- ⊗ STORM MANHOLE
- ⊗ STORM FLARED END SECTION
- ⊗ RIP RAP
- FLOW DIRECTION ARROW
- ⊕ SECTION CORNER - SET
- ⊕ PROPERTY CORNER - SET
- ⊕ PROPERTY CORNER - FOUND
- ⊕ BENCHMARK/CONTROL POINT
- ⊕ SOIL BORING

LINE LEGEND

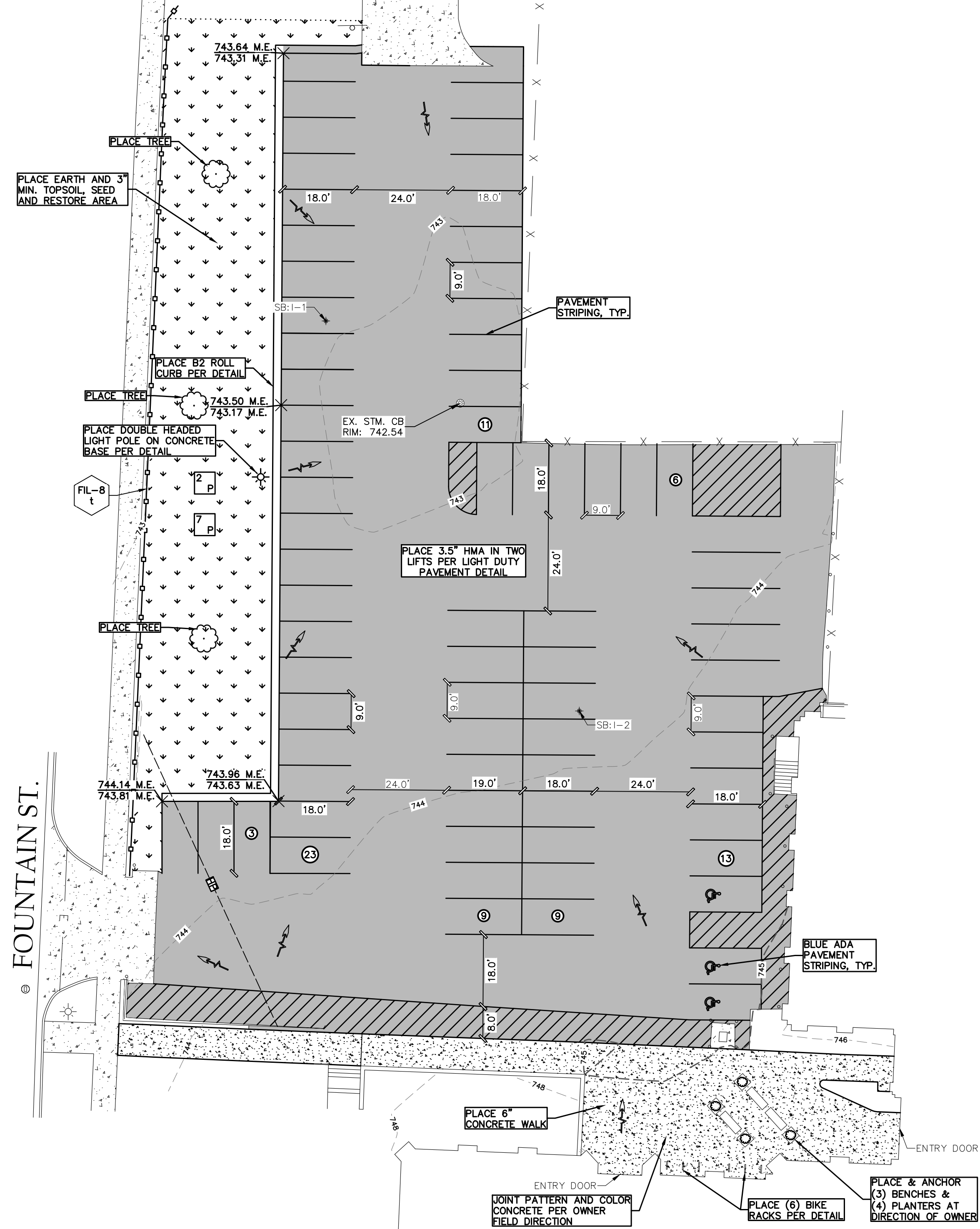
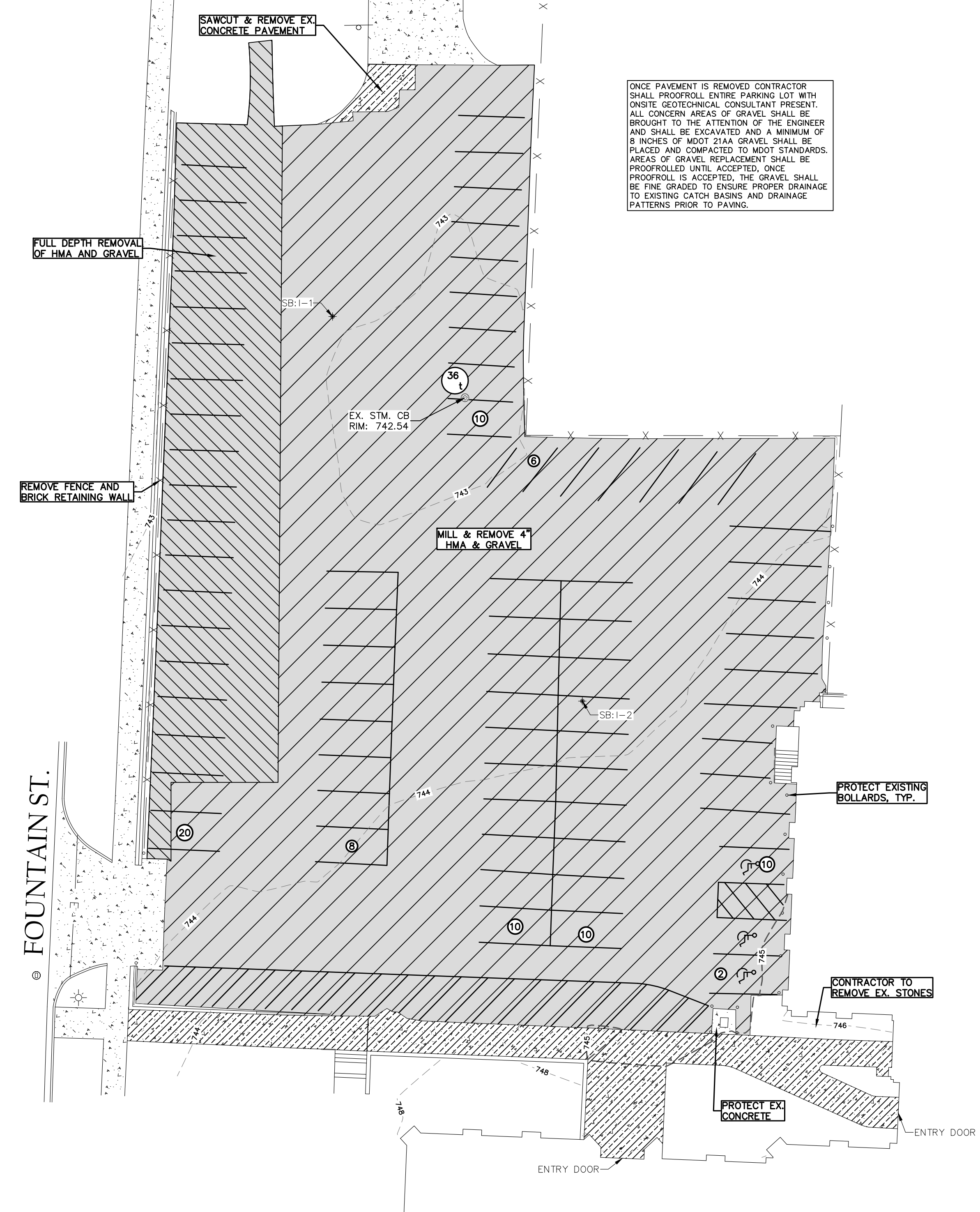
- DH — EXISTING OVERHEAD ELECTRIC
- DH — PROPOSED OVERHEAD ELECTRIC
- E — EXISTING UNDERGROUND ELECTRIC
- E — PROPOSED UNDERGROUND ELECTRIC
- GAS — EXISTING GAS
- GAS — PROPOSED GAS
- C — EXISTING COMMUNICATIONS
- C — PROPOSED COMMUNICATIONS
- X — EXISTING FENCE
- X — PROPOSED FENCE
- — RIGHT OF WAY
- — EASEMENT
- — SETBACK
- — EXISTING GRAVEL
- — PROPOSED GRAVEL
- — PROPOSED SWALE CENTERLINE
- — EXISTING STORM SEWER
- — PROPOSED STORM SEWER
- — EXISTING SANITARY SEWER
- — PROPOSED SANITARY SEWER
- — EXISTING WATERMAIN
- — PROPOSED WATERMAIN

HATCH LEGEND

- ▨ EXISTING HOT MIXED ASPHALT
- ▨ MILL 4" HOT MIXED ASPHALT
- ▨ FULL DEPTH REMOVAL & MILL HOT MIXED ASPHALT
- ▨ PROPOSED 3.5" LIGHT DUTY PAVEMENT
- ▨ EXISTING GRAVEL
- ▨ EXISTING CONCRETE
- ▨ DEMO CONCRETE
- ▨ PROPOSED 6" CONCRETE SIDEWALK

FOUNTAIN ST.

FOUNTAIN ST.



DEMOLITION PLAN

SITE PLAN

SOIL BORING LOG

SB-1-1	ELEV: 743.08 (07-01-2024)
0" - 3.5"	ASPHALT
3.5" - 11"	GRAVEL
11" - 20"	SANDY CLAY (VERY STIFF, BROWN TO DARK BROWN, MOIST)
20" - 30"	SANDY CLAY (VERY STIFF, BROWN, TRACE GRAVEL, MOIST)
SB-1-2	ELEV: 743.81 (07-01-2024)
0" - 4"	ASPHALT
4" - 13"	GRAVEL
13" - 30"	FILL-CLAYEY SAND (MEDIUM DENSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, MOIST)

PARKING COUNT TABLE:

EXISTING PARKING SPACES:	76 TOTAL (3 ADA SPACES)
PROPOSED PARKING SPACES:	74 TOTAL (3 ADA SPACES)



Know what's below. Call before you dig.

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GRAND RAPIDS PUBLIC SCHOOLS
CITY OF GRAND RAPIDS, MI

2025 PAVING PROJECTS
INNOVATION HIGH SCHOOL PLAN



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SYMBOL LEGEND

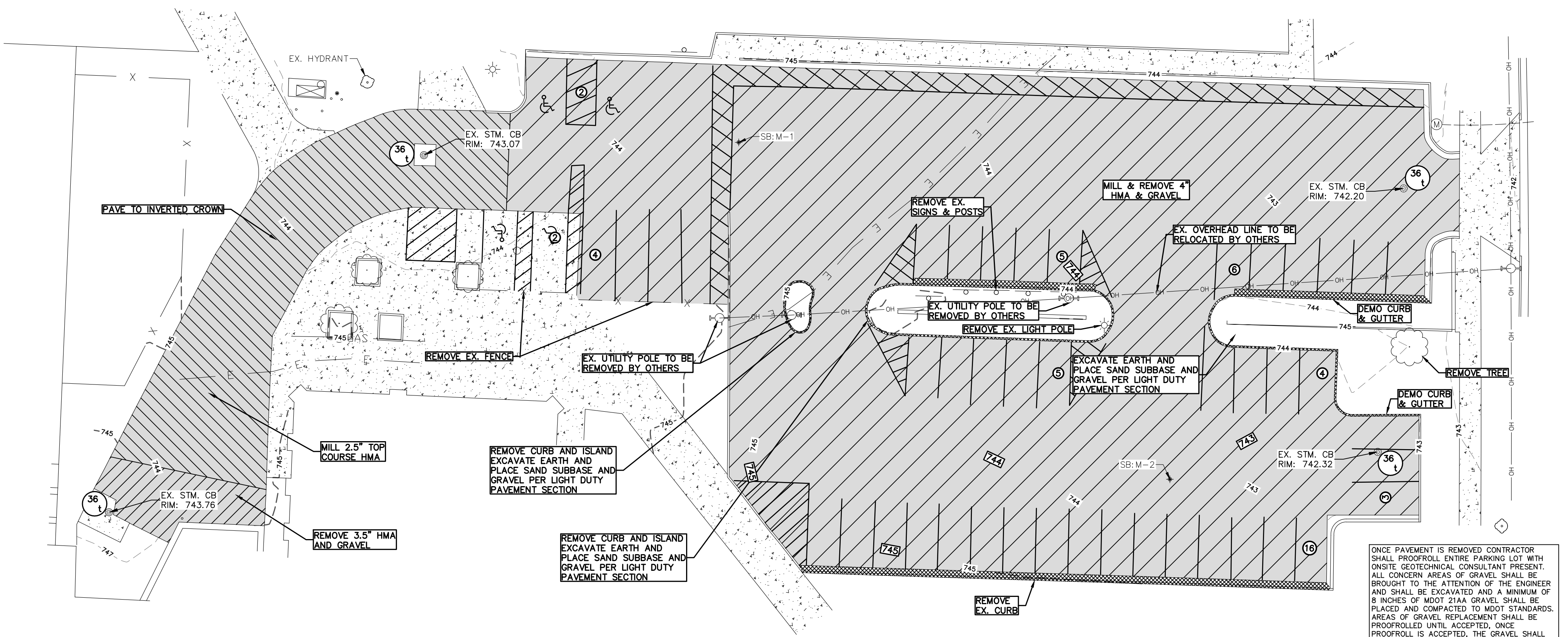
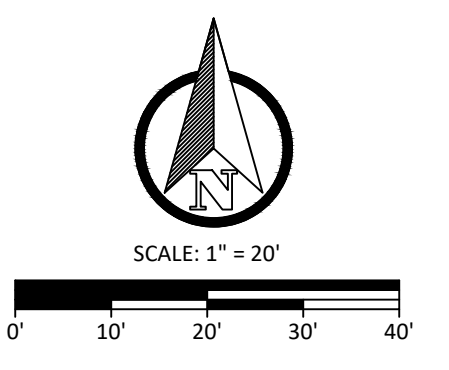
- EXISTING TREE
- ⊙ TREE STUMP
- ⊙ SIGN
- ⊙ MAILBOX
- ⊙ BOLLARD
- ⊙ LIGHT POLE
- ⊙ POWER POLE
- ⊙ GUYWIRE
- ⊙ COM/ELEC STRUCTURE
- ⊙ GAS METER
- ⊙ VALVE
- ⊙ HYDRANT
- ⊙ WELL
- ⊙ CLEANOUT
- ⊙ SANITARY SEWER MANHOLE
- ⊙ STORM CATCH BASIN
- ⊙ STORM MANHOLE
- ⊙ STORM FLARED END SECTION
- ⊙ RIP RAP
- ⊙ FLOW DIRECTION ARROW
- ⊙ SECTION CORNER
- ⊙ PROPERTY CORNER - SET
- ⊙ PROPERTY CORNER - FOUND
- ⊙ BENCHMARK/CONTROL POINT
- ⊙ SOIL BORING

LINE LEGEND

- DH — DH — EXISTING OVERHEAD ELECTRIC
- PH — PH — PROPOSED OVERHEAD ELECTRIC
- E — E — EXISTING UNDERGROUND ELECTRIC
- PE — PE — PROPOSED UNDERGROUND ELECTRIC
- GAS — EXISTING GAS
- CG — CG — PROPOSED GAS
- C — C — EXISTING COMMUNICATIONS
- PC — PC — PROPOSED COMMUNICATIONS
- X — X — EXISTING FENCE
- PX — PX — PROPOSED FENCE
- RW — RIGHT OF WAY
- E — EASEMENT
- SB — SETBACK
- G — EXISTING GRAVEL
- PG — PROPOSED GRAVEL
- SC — EXISTING SWALE CENTERLINE
- PSC — PROPOSED SWALE CENTERLINE
- SS — EXISTING STORM SEWER
- PSS — PROPOSED STORM SEWER
- SSS — EXISTING SANITARY SEWER
- PSSS — PROPOSED SANITARY SEWER
- WM — EXISTING WATERMAIN
- PWS — PROPOSED WATERMAIN

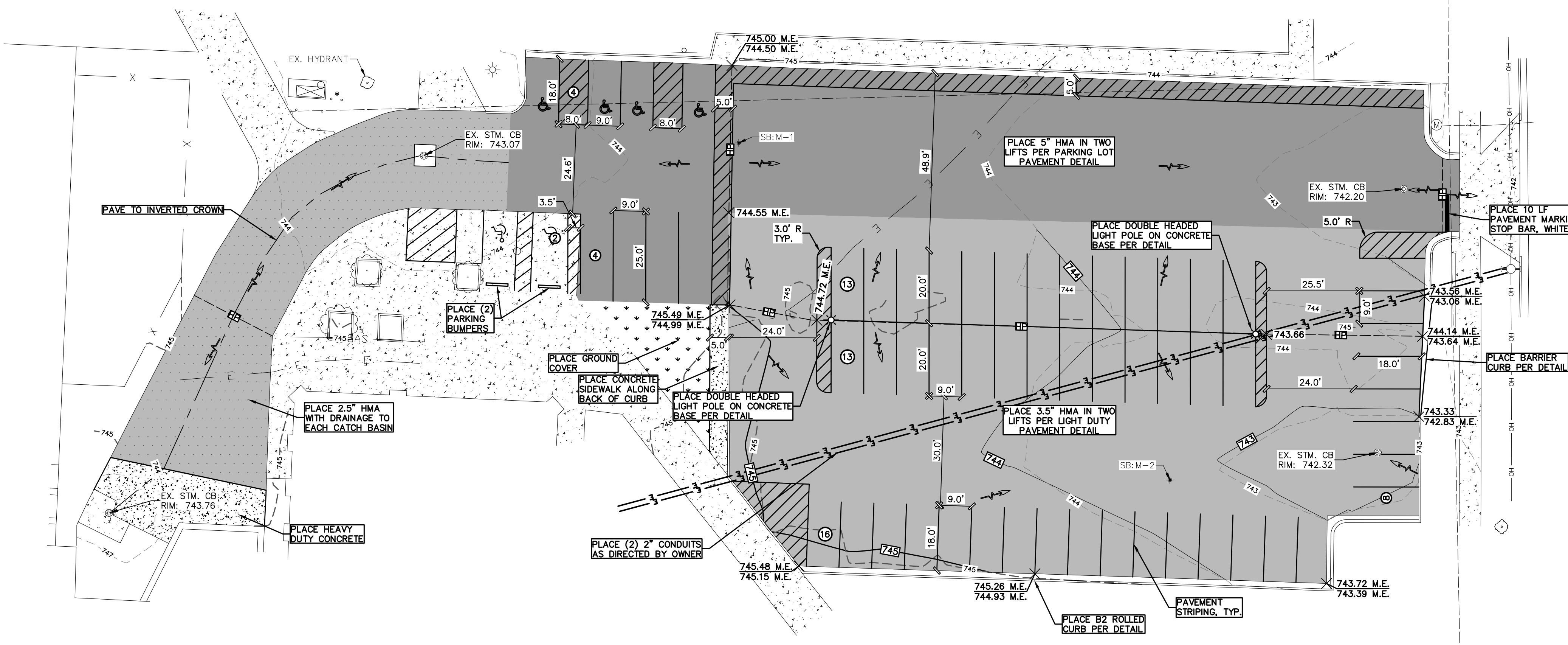
HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
- MILL HOT MIXED ASPHALT
- MILL 2.5" TOP COURSE HOT MIXED ASPHALT
- REMOVE 3.5" HOT MIXED ASPHALT & GRAVEL
- PROPOSED 5" HOT MIXED ASPHALT
- PROPOSED 3.5" HOT MIXED ASPHALT
- PROPOSED 2.5" HOT MIXED ASPHALT
- EXISTING GRAVEL
- EXISTING CONCRETE
- DEMO CONCRETE
- PROPOSED HEAVY DUTY CONCRETE



DEMOLITION PLAN

ONCE PAVEMENT IS REMOVED CONTRACTOR SHALL PROOFROLL ENTIRE PARKING LOT WITH ONSITE GEOTECHNICAL CONSULTANT PRESENT. ALL CONCERN AREAS OF GRAVEL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE EXCAVATED AND A MINIMUM OF 8 INCHES OF MDOT 21AA GRAVEL SHALL BE PLACED AND COMPACTED TO MDOT STANDARDS. AREAS OF GRAVEL REPLACEMENT SHALL BE PROOFROLLED UNTIL ACCEPTED. ONCE PROOFROLL IS ACCEPTED, THE GRAVEL SHALL BE FINE GRADED TO ENSURE PROPER DRAINAGE TO EXISTING CATCH BASINS AND DRAINAGE PATTERNS PRIOR TO PAVING.



SITE PLAN

PARKING COUNT TABLE:
 EXISTING PARKING SPACES: 47 TOTAL (4 ADA SPACES)
 PROPOSED PARKING SPACES: 60 TOTAL (6 ADA SPACES)

SOIL BORING LOG

SB-M-1 ELEV: 744.67 (07-01-2024)
 0" - 4.5" ASPHALT
 4.5" - 9" GRAVEL
 9" - 30" SAND (MEDIUM DENSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, TRACE GRAVEL, MOIST)

SB-M-2 ELEV: 743.29 (07-01-2024)
 0" - 3" ASPHALT
 3" - 9" GRAVEL
 9" - 30" FILL-SAND (DENSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, TRACE GRAVEL, TRACE CONCRETE, MOIST)



Know what's below.
 Call before you dig.

NOTE:
 ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE THE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

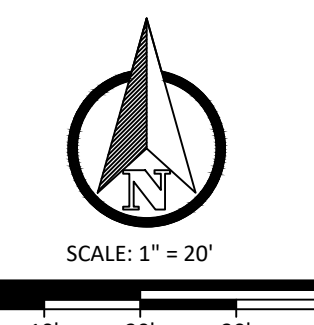
NO.	DATE	REVISION	BY
1	8/13/2024	PRELIMINARY PLAN	JTR
2	8/27/2024	PROGRESS PLAN	JTR
3	9/06/2024	DUE DILIGENCE PLAN	JTR
4	10/08/2024	DESIGN PROGRESS PLAN	JTR
5	10/16/2024	FOR BIDDING	JTR

GRAND RAPIDS PUBLIC SCHOOLS
 CITY OF GRAND RAPIDS, MI
 2025 PAVING PROJECTS
 GR MONTESSORI SCHOOL PLAN

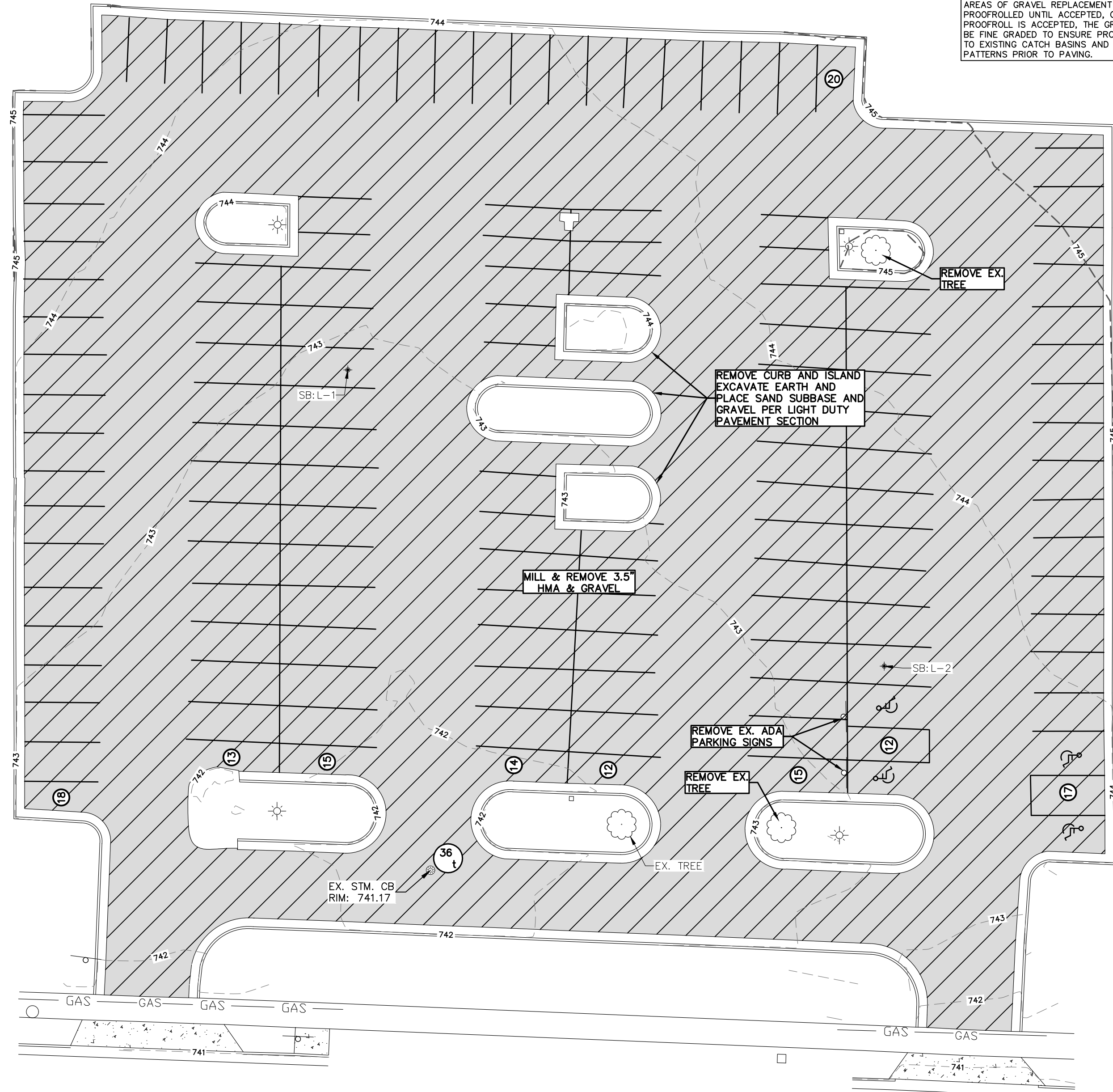


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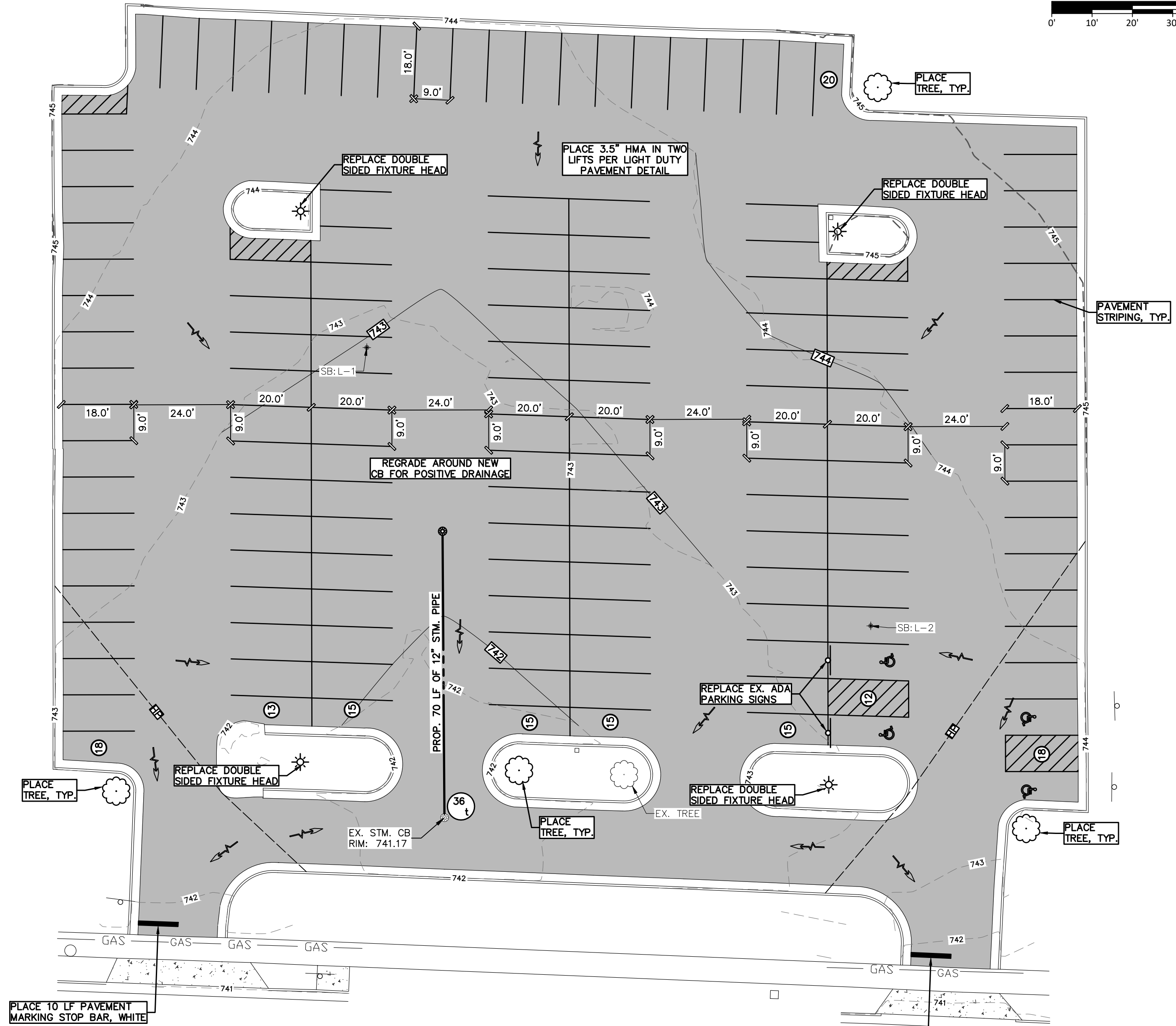
FILE NO. 1376
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 Sheet No. 6 OF 8



ONCE PAVEMENT IS REMOVED CONTRACTOR SHALL PROOFROLL ENTIRE PARKING LOT WITH ONSITE GEOTECHNICAL CONSULTANT PRESENT. ALL CONCERN AREAS OF GRAVEL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE EXCAVATED AND A MINIMUM OF 8 INCHES OF MDOT 21AA GRAVEL SHALL BE PLACED AND COMPACTED TO MDOT STANDARDS. AREAS OF GRAVEL REPLACEMENT SHALL BE PROOFROLLED UNTIL ACCEPTED. ONCE PROOFROLL IS ACCEPTED, THE GRAVEL SHALL BE FINE GRADED TO ENSURE PROPER DRAINAGE TO EXISTING CATCH BASINS AND DRAINAGE PATTERNS PRIOR TO PAVING.



DEMOLITION PLAN



SITE PLAN

SOIL BORING LOG

- SB:L-1 ELEV: 742.85 (07-01-2024)
 0" - 3" ASPHALT
 3" - 9" GRAVEL
 9" - 21" SAND (LOOSE, BROWN TO DARK BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, TRACE GRAVEL, MOIST)
 21" - 30" SAND (LOOSE, BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, MOIST)
- SB:L-2 ELEV: 743.31 (07-01-2024)
 0" - 2.5" ASPHALT
 2.5" - 9" GRAVEL
 9" - 18" FILL-SAND (LOOSE, DARK BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, TRACE GRAVEL, MOIST)
 18" - 30" SAND (LOOSE, BROWN, FINE TO MEDIUM GRAINED, TRACE CLAY, MOIST)

SYMBOL LEGEND

- EXISTING TREE
- ⊕ TREE STUMP
- ⊙ SIGN
- ⊠ MAILBOX
- BOLLARD
- ⊙ LIGHT POLE
- ⊙ POWER POLE
- ⊙ GUYWIRE
- ⊠ COM/ELEC STRUCTURE
- ⊠ GAS METER
- ⊙ VALVE
- ⊙ HYDRANT
- ⊙ WELL
- ⊙ CLEANOUT
- ⊙ SANITARY SEWER MANHOLE
- ⊠ STORM CATCH BASIN
- ⊠ STORM MANHOLE
- ⊠ STORM FLARED END SECTION
- ⊠ RIP RAP
- FLOW DIRECTION ARROW
- ◆ SECTION CORNER
- ◆ PROPERTY CORNER - SET
- ◆ PROPERTY CORNER - FOUND
- ◆ BENCHMARK/CONTROL POINT
- ⊙ SOIL BORING

LINE LEGEND

- DH—DH— EXISTING OVERHEAD ELECTRIC
- DH—DH— PROPOSED OVERHEAD ELECTRIC
- E—E— EXISTING UNDERGROUND ELECTRIC
- E—E— PROPOSED UNDERGROUND ELECTRIC
- GAS— EXISTING GAS
- GAS— PROPOSED GAS
- C—C— EXISTING COMMUNICATIONS
- C—C— PROPOSED COMMUNICATIONS
- X—X— EXISTING FENCE
- X—X— PROPOSED FENCE
- — — — — RIGHT OF WAY
- — — — — EASEMENT
- — — — — EXISTING GRAVEL
- — — — — PROPOSED GRAVEL
- — — — — PROPOSED SWALE CENTERLINE
- — — — — EXISTING STORM SEWER
- — — — — PROPOSED STORM SEWER
- — — — — EXISTING SANITARY SEWER
- — — — — PROPOSED SANITARY SEWER
- — — — — EXISTING WATERMAIN
- — — — — PROPOSED WATERMAIN

HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
- MILL 3.5" HOT MIXED ASPHALT
- PROPOSED 3.5" HOT MIXED ASPHALT
- EXISTING GRAVEL
- EXISTING CONCRETE
- DEMO CONCRETE
- PROPOSED CONCRETE

PARKING COUNT TABLE:
 EXISTING PARKING SPACES: 136 TOTAL (4 ADA SPACES)
 PROPOSED PARKING SPACES: 141 TOTAL (4 ADA SPACES)



Know what's below.
 Call before you dig.

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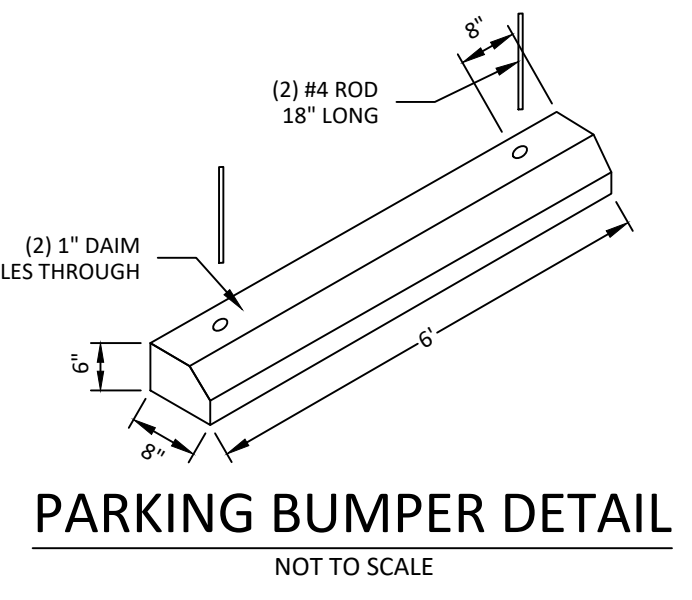
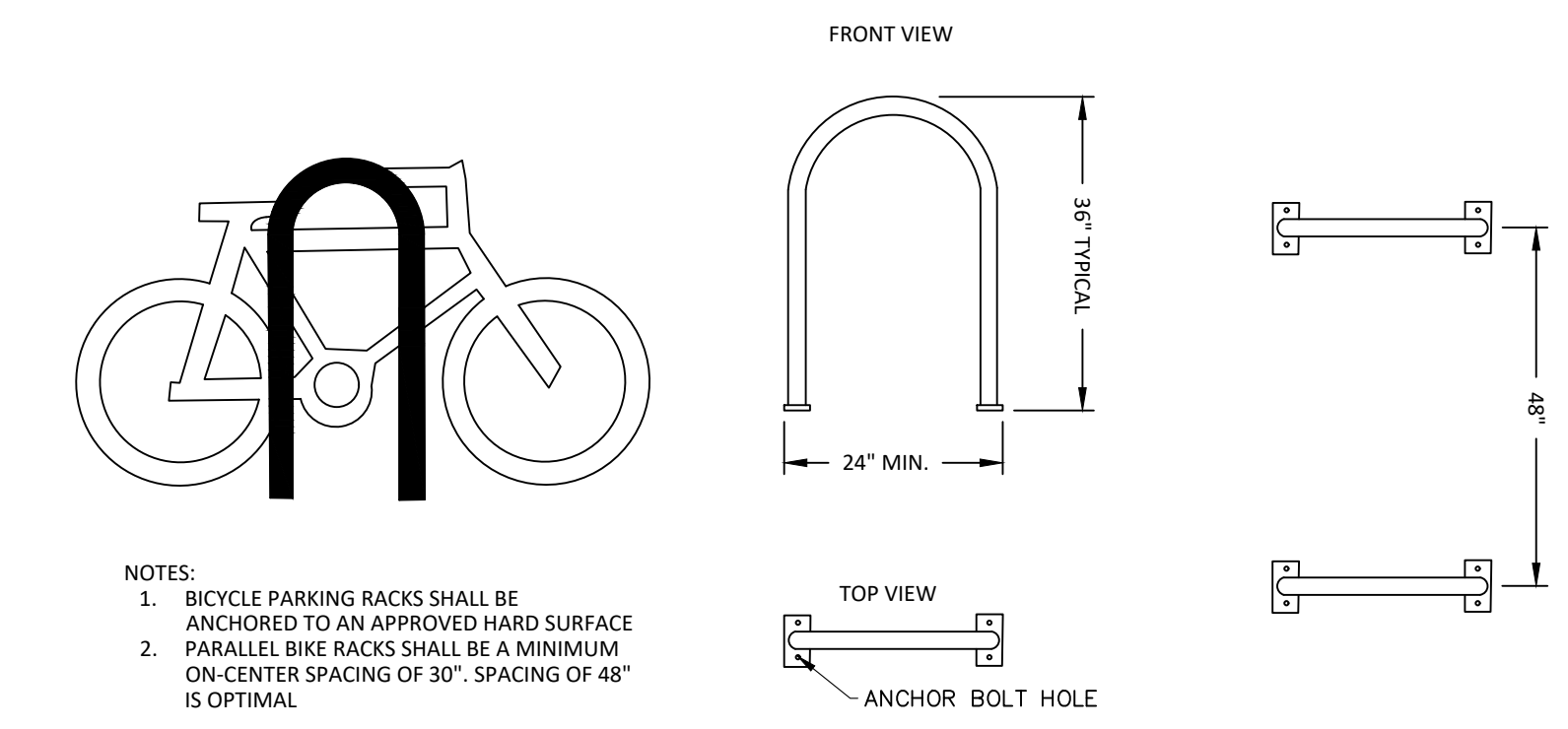
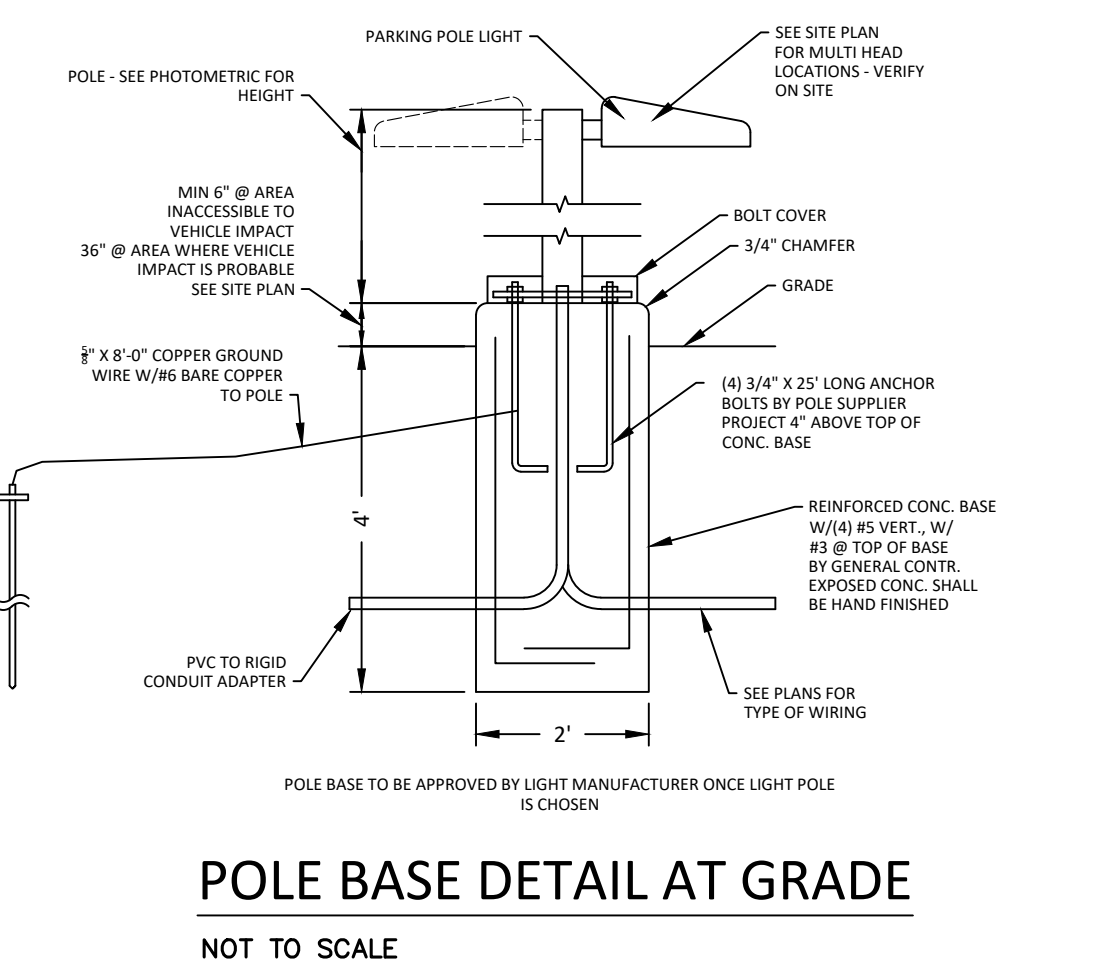
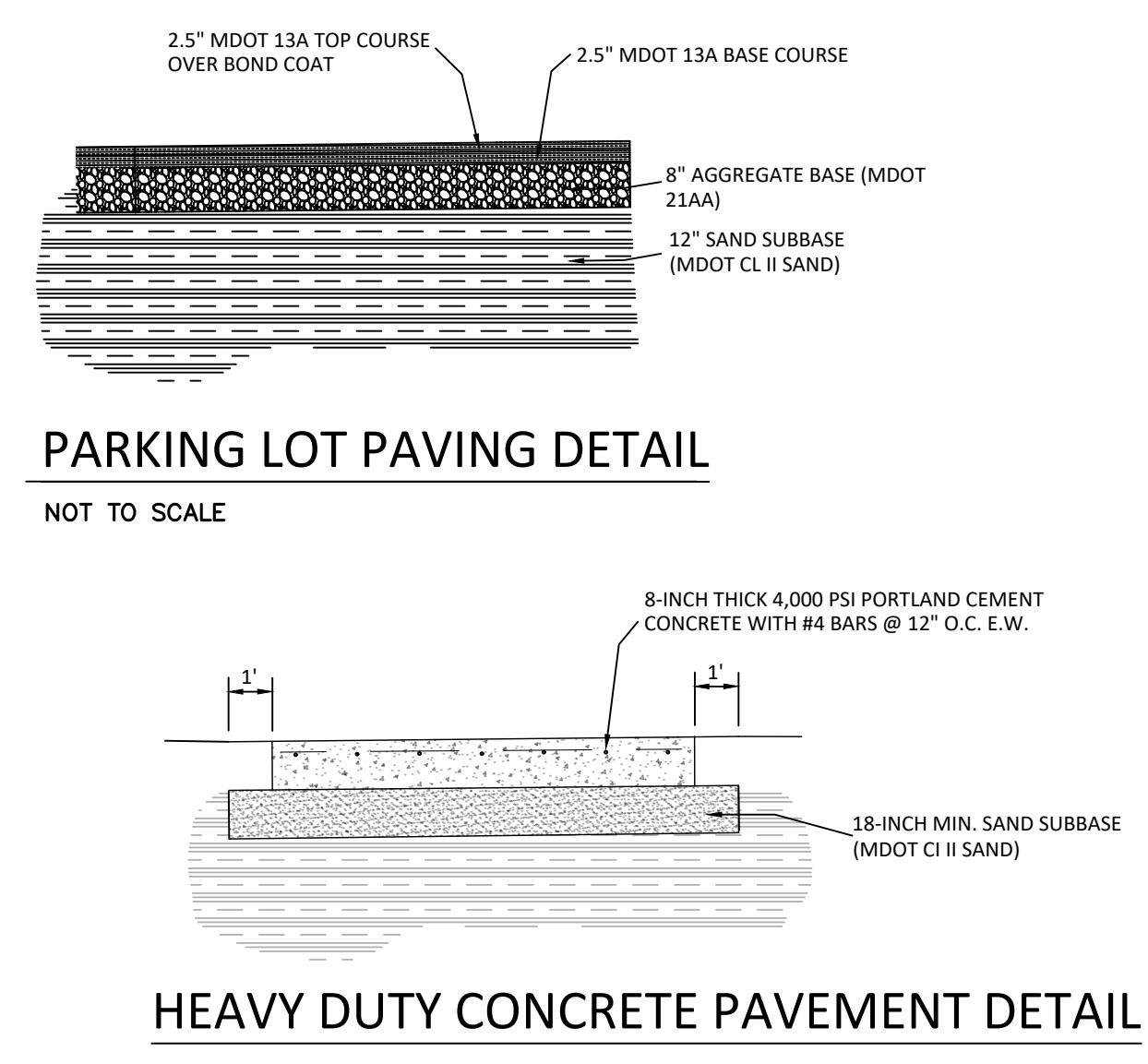
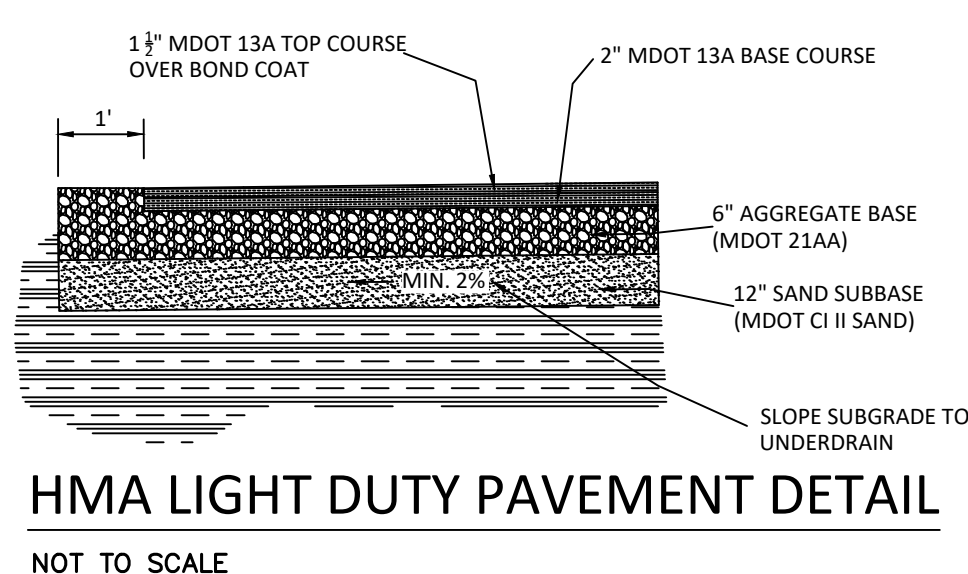
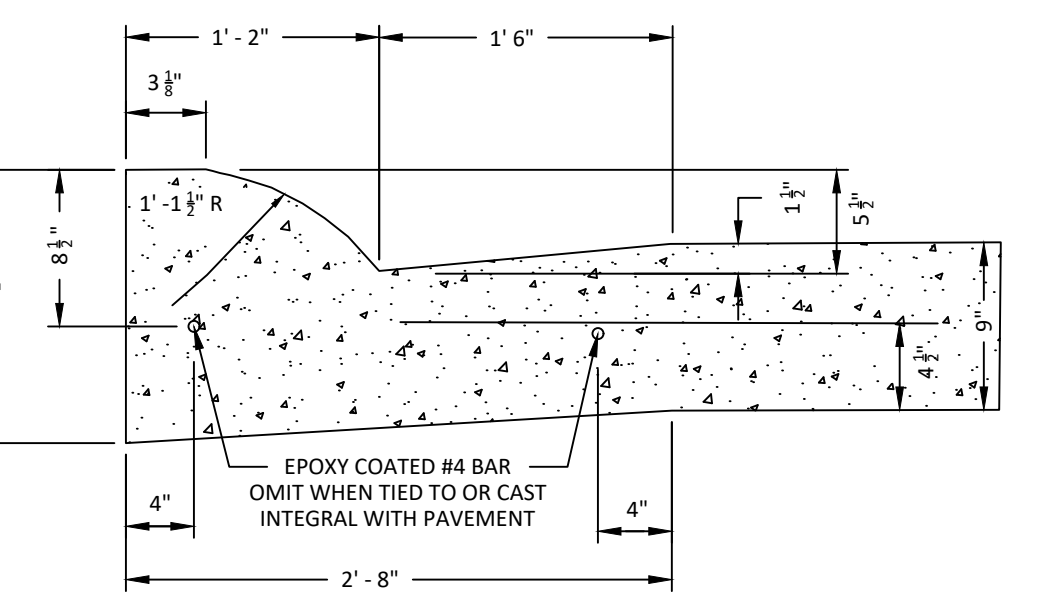
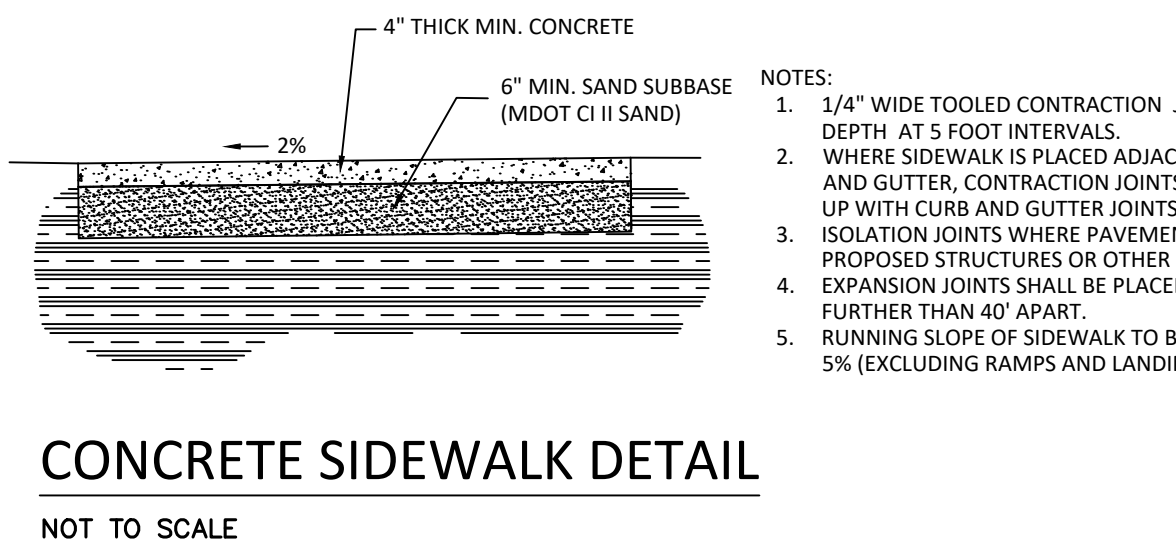
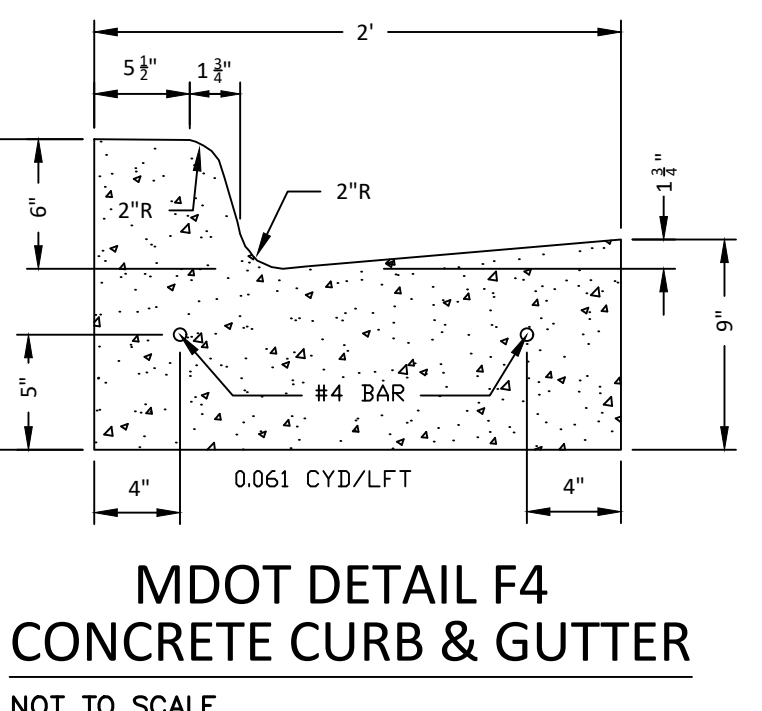
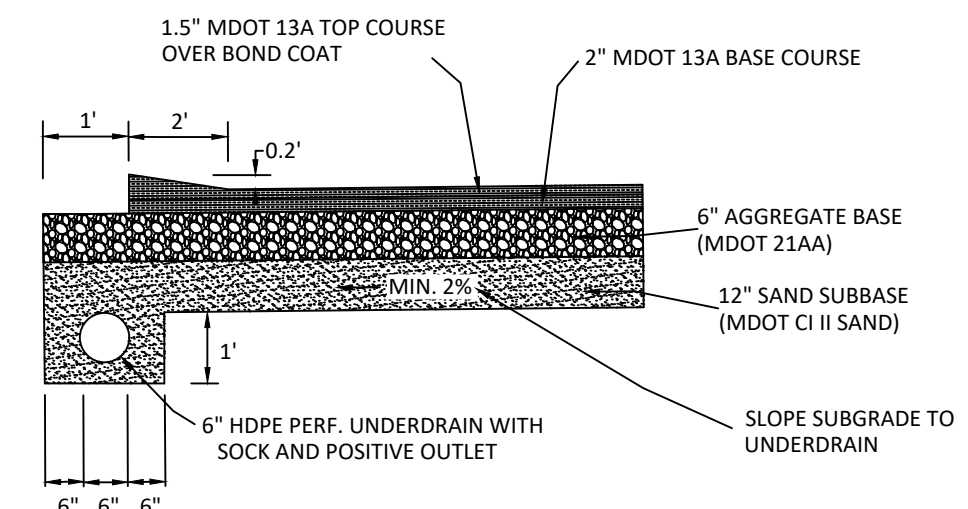
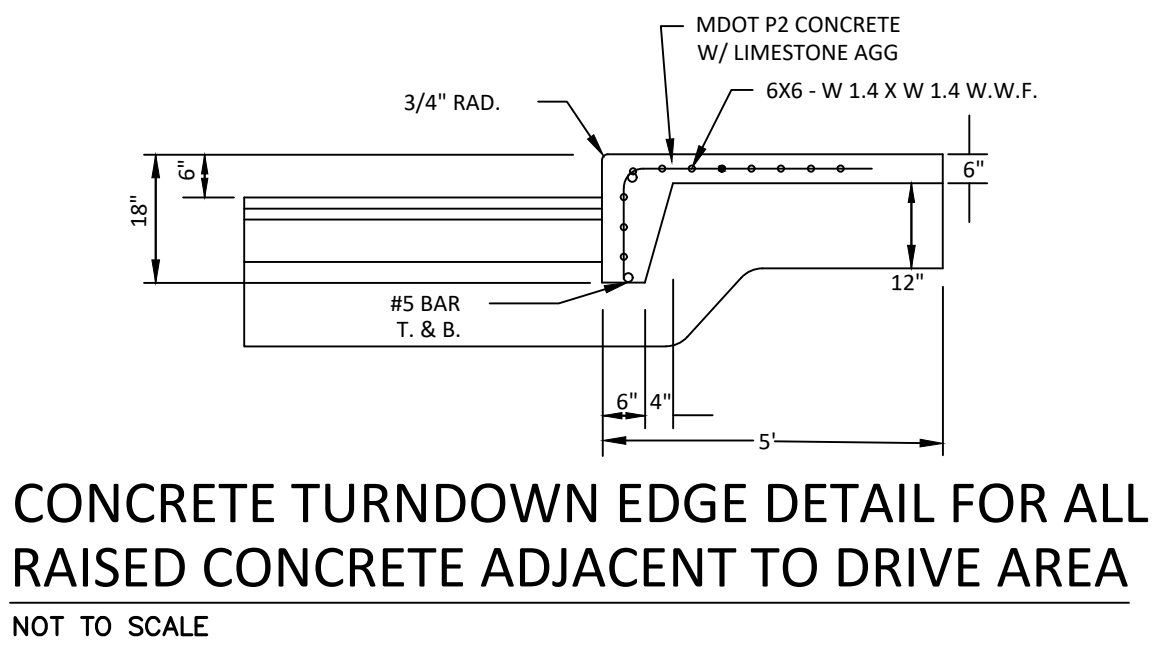
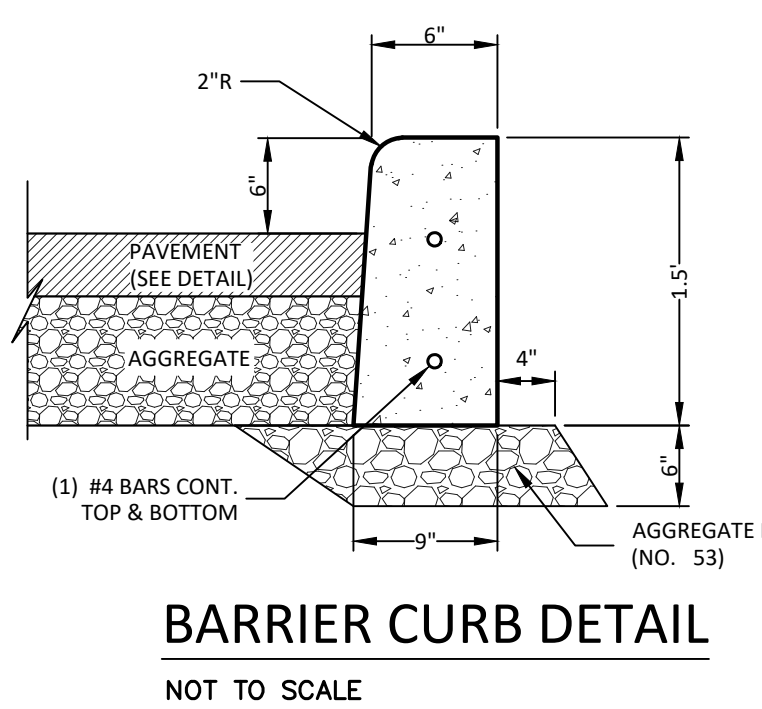
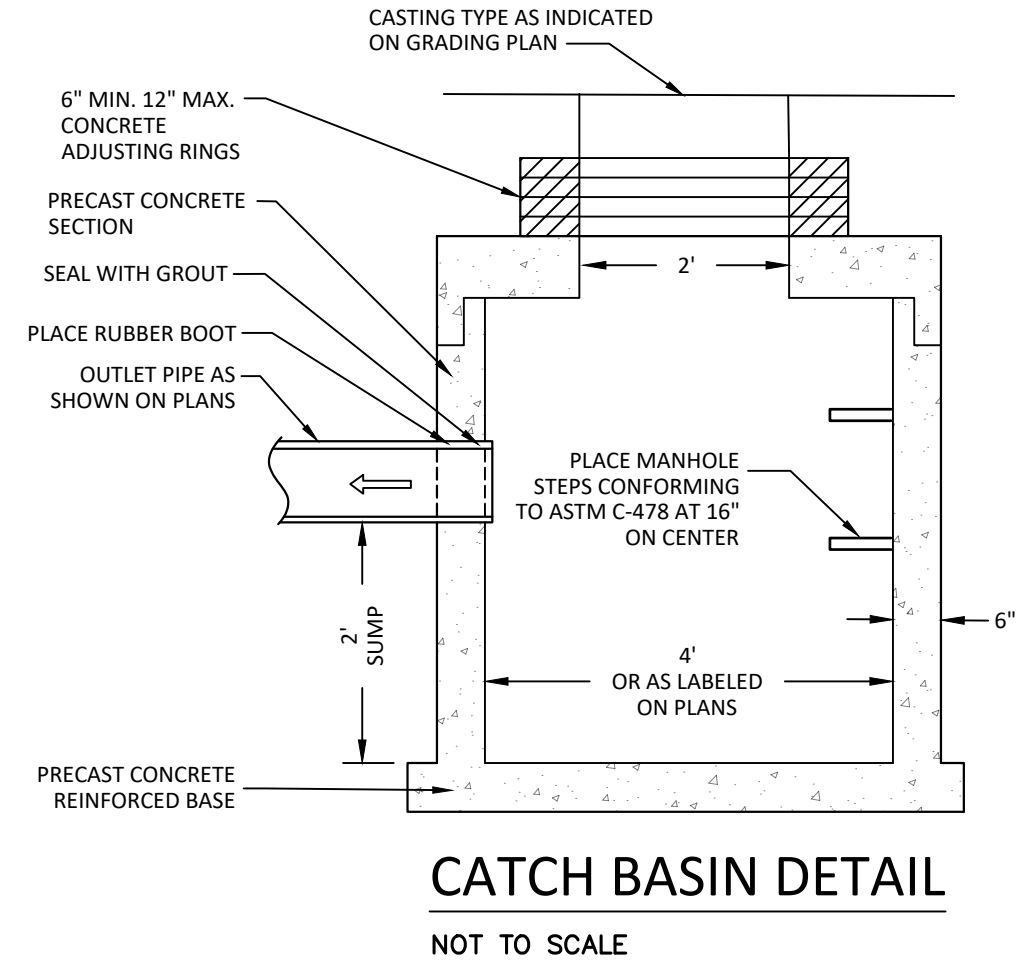
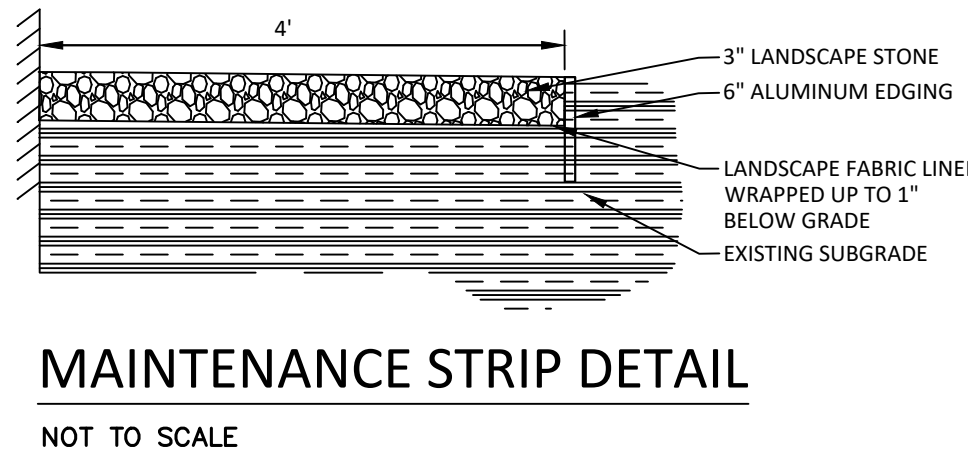
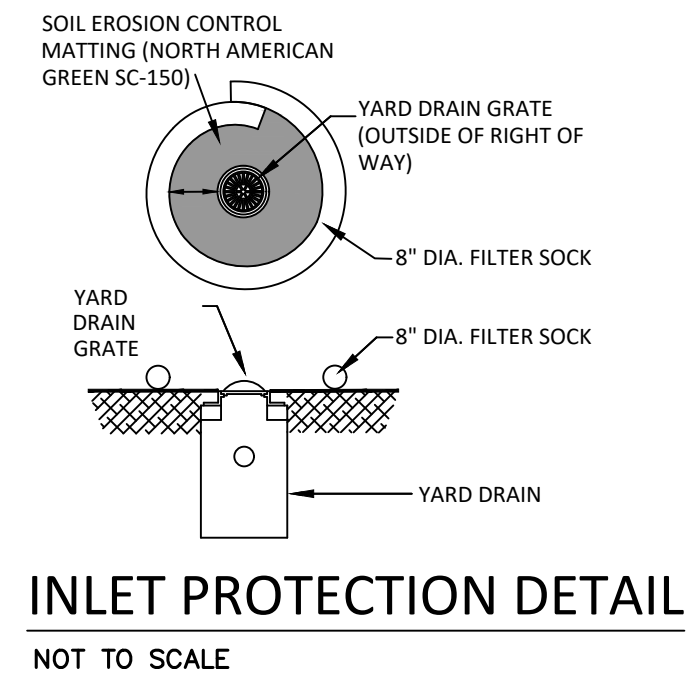
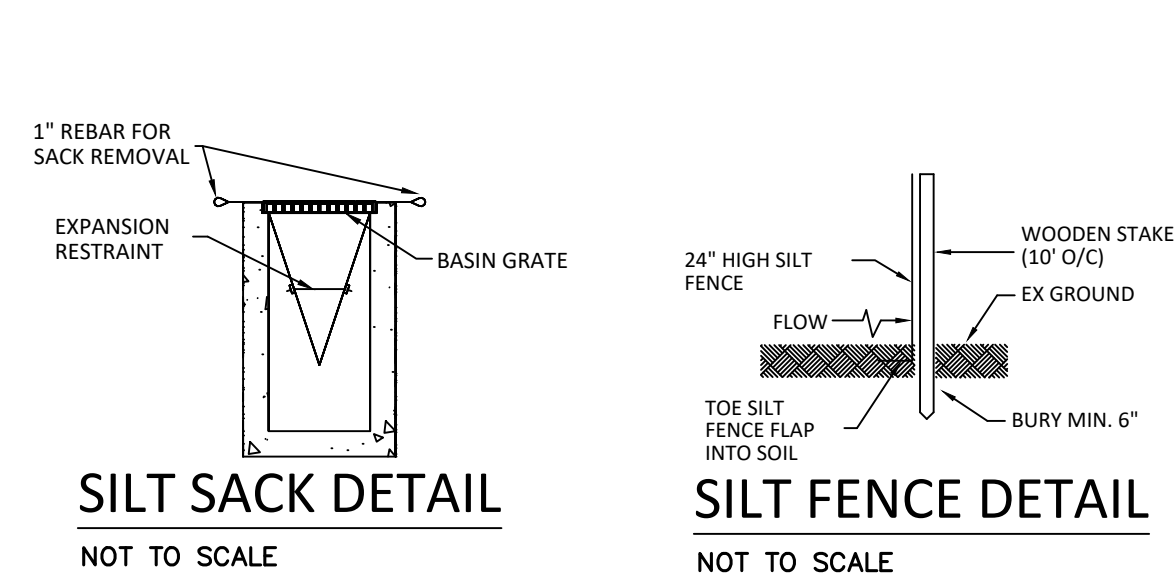
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4	10/08/2024	DESIGN PROGRESS PLAN	JTR
5	10/16/2024	FOR BIDDING	JTR

GRAND RAPIDS PUBLIC SCHOOLS
 CITY OF GRAND RAPIDS, MI
 2025 PAVING PROJECTS
 LYON LOT PLAN



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- UTILITY PLAN NOTES:**
- CONTRACTOR SHALL CONTACT PRIVATE AND PUBLIC UTILITY COMPANIES IF ANY COORDINATION IS NEEDED BETWEEN PROPOSED WORK AND EXISTING UTILITIES.
 - UTILITIES SHOWN (IF ANY) ARE APPROXIMATE LOCATIONS DERIVED FROM MEASUREMENTS OR AVAILABLE RECORDS. THIS MAP IS NOT TO BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY FOR ACCURACY, LOCATION, AND CONDITION.
 - ALL 8" UNDERDRAIN TO BE CORRUGATED PLASTIC PIPE WITH SOCK, ADS N-12 OR APPROVED EQUAL.
 - ALL STORM SEWER SHALL BE SMOOTH LINED CORRUGATED PLASTIC PIPE, ADS N-12 OR EQUAL, UNLESS OTHERWISE LABELED ON THE PLANS.
 - ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD VERIFIED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED.
 - ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
 - CATCH BASINS WITHIN CONCRETE HEAD CURB SHALL HAVE EJ 7045 CASTINGS.
 - CATCH BASINS WITHIN BIT VALLEY CURB SHALL HAVE EJ 7065 CASTINGS WITH M1 GRATE.
 - CATCH BASINS WITHIN PAVED AREAS SHALL HAVE EJ 1020M1 RADIAL FLATE GRATE CASTINGS.
 - STORM SEWER MANHOLES SHALL HAVE EJ 1020 CASTINGS WITH SOLID COVERS.
 - STORM SEWER YARD DRAINS SHALL HAVE EJ 6508 CASTINGS.
 - ROOF DRAINS SHALL BE PVC SCH-40.
 - CONTRACTOR IS TO UNCOVER AND VERIFY ALL TAP LOCATIONS AND INVERTS. LOCATION AND INVERT DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION PRIOR TO CONTINUING WORK.
 - SANITARY AND STORM STRUCTURES SHALL BE PRECAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
 - THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICE TO ALL ADJOINING PROPERTIES.

- CONTROL MEASURE KEY**
- P** SELECTIVE GRADING & SHAPING, PERMANENT
 - 7P** HYDROSEEDING, PERMANENT. TYPICAL IN ALL NON-PAVED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES
 - 14t** AGGREGATE COVER, TEMPORARY. TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES
 - 15P** PAVING, PERMANENT, TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES.
 - 36t** SILTSACK, TEMPORARY, TYPICAL AT ALL CATCH BASINS WITHIN OR DISTURBED BY CONSTRUCTION ACTIVITIES
 - FIL-Bt** FILTER BMP EXHIBIT 8A, SILT FENCE, TEMPORARY. TYPICAL IN ALL AREAS, ESPECIALLY ADJACENT TO STREAMS, PONDS, ETC. AND ALONG PROJECT UNITS.
 - TP** TREE PROTECTION, INCLUDES TUNNELING UNDER TREES, TYPICAL FOR ALL TREES ENCOUNTERED UNLESS TREE REMOVAL IS DIRECTED BY THE ENGINEER.
 - GA** DENOTES GRAVEL ACCESS APPROACH. APPROACH SHALL BE INSTALLED TO PROVIDE STABLE ACCESS TO ROADWAYS AND MINIMIZE DUST AND TRACKING OF MATERIALS ONTO PUBLIC STREETS AND HIGHWAYS. THE APPROACH SHALL BE A MIN. OF 12' WIDE, 6" DEEP, AND CONSIST OF 2"-4" AGGREGATE.

- LEGEND:**
- 34t** MICHIGAN UNIFIED KEYING SYSTEM (MUKS)
 - BEST MANAGEMENT PRACTICE (BMP)**
 - t** TEMPORARY CONTROL MEASURE (DURING CONSTRUCTION AND UNTIL PERMANENT MEASURES ARE ESTABLISHED)
 - P** PERMANENT CONTROL MEASURE

- NOTE:**
- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES INDICATED ARE KNOWN OR ANTICIPATED CONTROL MEASURES NEEDED DURING TYPICAL CONSTRUCTION ACTIVITIES. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED DUE TO CONSTRUCTION ACTIVITY, LOCATION, SOIL TYPE, WEATHER EVENT, ETC. ALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.

- SITE LAYOUT NOTES:**
- ALL WORK SHALL BE DONE TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.
 - ALL WORK WITHIN ROW SHALL BE DONE IN ACCORDANCE WITH LOCAL ROADWAY JURISDICTION REQUIREMENTS.
 - CONTRACTOR SHALL RESTORE ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE, AND OTHER INFRASTRUCTURE, DISTURBED OR DAMAGED DUE TO CONSTRUCTION ACTIVITIES TO MATCH EXISTING CONDITIONS.
 - ALL DEBRIS SHALL BE REMOVED FROM THE SITE, AND NO STOCKPILING ON SITE SHALL BE ALLOWED UNLESS APPROVED BY OWNER.
 - THE CONTRACTOR SHALL LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE REQUIRED OR AS SHOWN. ALL PAVEMENTS TO BE REMOVED SHALL BE SAWCUT AND REMOVED TO FULL DEPTH AT ALL PAVEMENT LIMITS OR EXISTING JOINTS. IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR AT NO ADDITIONAL COST.
 - CONTRACTOR SHALL CONTACT MISS DIG THREE WORKING DAYS BEFORE YOU DIG. CALL MISS DIG AT 1-800-482-7171 OR 811.
 - ALL WORK SHALL BE DONE TO THE MICHIGAN HANDICAPPED ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
 - ADA PARKING SPACES SHALL BE MARKED WITH APPROVED PAVEMENT SYMBOL. MARK ADA SPACES WITH 4" BLUE PAINT AND SIGNS PER MMUTCD.
 - CONTRACTOR SHALL ENSURE ALL ADA RAMPS AND ACCESS MEET CURRENT ADA STANDARDS. IF IT IS DISCOVERED THAT ANY ITEMS WILL NOT MEET ADA STANDARDS IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
 - ALL SIGNAGE SHALL BE PER MDOT AND MMUTCD STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, DEMOLITION PERMITS, TAP FEES, ASSESSMENTS, UTILITY PERMITS, ROW PERMITS, BONDS, INSURANCE, OR OTHER FEES ASSOCIATED WITH CONSTRUCTION.
 - SITE CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF A MINIMUM 4000 PSI AND SHALL HAVE LIMESTONE AGGREGATE AND SHALL HAVE A 5.5%-8% AIR ENTRAINMENT WITH A BROOM FINISH.
 - INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE CONCRETE ABUTS HMA PAVEMENT.
 - CONTRACTOR SHALL REVIEW THE GEOTECHNICAL AND ENVIRONMENTAL REPORTS FOR THE SITE AND INCORPORATE INTO THEIR CONSTRUCTION MEANS AND METHODS.
 - THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC FIELD SURVEY LAYOUT. DIMENSIONS SHOWN ARE FOR GRAPHIC PRESENTATION ONLY AND SHOULD NOT BE USED FOR LAYOUT. CONTACT THE ENGINEER IF ANY DISCREPANCIES BETWEEN THE PLAN AND ELECTRONIC DATA ARE DISCOVERED.
 - THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LIGHTS, BARRICADES, FLAGMEN, ETC. AS REQUIRED TO PERFORM THE WORK. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.
 - THE CONTRACTOR SHALL PROTECT LOCATION OF ALL PROPERTY MARKERS AND BENCHMARKS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL SIGNS, BARRICADES, AND SAFETY FENCES TO PROTECT PEOPLE FROM ENTERING THE WORK AREA AND FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROLS SHALL BE COORDINATED WITH THE LOCAL POLICE DEPARTMENT AND MUNICIPALITY.
 - PRIOR TO CONSTRUCTION OR GRADING A PROTECTIVE BARRIER, FENCE, POST, AND SIGNS CLEARLY INDICATING LIMITS OF DISTURBANCE SHALL BE INSTALLED INDICATING NO TREE REMOVAL OR DISTURBANCES OUTSIDE LIMITS.
 - NO PARKING OF CONTRACTOR OR SUBCONTRACTORS SHALL BE ALLOWED ON PUBLIC STREETS WITHOUT PRIOR APPROVAL.
 - NO BUILDING MATERIAL, EQUIPMENT, VEHICLES, OR CHEMICALS SHALL BE STORED OR PLACED OUTSIDE OF THE LIMITS OF DISTURBANCE.
 - CONSTRUCTION NOISE SHALL BE KEPT TO A MINIMUM DURING NIGHTTIME HOURS AND MUST COMPLY WITH LOCAL MUNICIPAL ORDINANCES.
 - ALL VERTICAL FACE OF CURBS SHALL BE PAINTED YELLOW WHEN BETWEEN 0 AND 6 INCHES TALL.
 - ALL NEW TREES SHALL BE 4" CALIPER MIN. SINGLE TRUNK SHADE TREES. SPECIES SHALL BE EITHER SHADEMASTER HONEYLOCUST, WHITE OAK, RED MAPLE, OR LINDEN.

- GRADING PLAN NOTES:**
- SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
 - REMOVE ALL SUBGRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
 - ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH MDOT-EGL. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE CITY AND A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM EGLE IF APPLICABLE, PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE CITY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUESTED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
 - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER. THESE COVER AREAS ACT AS SEDIMENT FILTERS.
 - ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
 - GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSE WHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
 - CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF THIS OCCURS.
 - ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 20 DAYS OR LONGER MUST BE SEED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
 - ALL SOIL EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO THE START OF ANY GRADING.
 - ALL NON PAVED AREAS TO BE TOPSOILED (6" MIN.) & SEED
 - VARIATION IN EXISTING SOIL CONDITIONS MAY IMPACT THE EARTHWORK QUANTITIES IF UNUSABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION.
 - DUST CONTROL: THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL ORDINANCES OF THE TOWNSHIP, COUNTY, MICHIGAN OR ANY OTHER GOVERNMENT AGENCY.
 - IF MUD, SOIL OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE WORK DAY.
 - STORMWATER POLLUTION PREVENTION ITEMS SHALL BE IN PLACE PRIOR TO COMMENCING CLEARING OPERATIONS, EARTHWORK GRADING, OR ANY OTHER TYPE OF CONSTRUCTION ACTIVITY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE SOIL EROSIONS AND SEDIMENT CONTROL PERMIT.
 - PLACE TEMPORARY EROSION CONTROL MEASURES PRIOR TO EARTH MOVING ACTIVITIES.
 - MULCH BLANKETS SHALL BE PLACED, STAPLED, AND OVERLAPPED ON ALL SLOPES THAT ARE 1:1 OR GREATER AFTER.
 - CONTRACTOR TO INSTALL SILT SACK IN ALL CATCH BASINS ONCE THEY ARE CONSTRUCTED.
 - ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY A CERTIFIED STORM WATER OPERATOR AND MAINTAINED BY CONTRACTOR EVERY 7 DAYS AND AFTER EVERY SIGNIFICANT RAIN EVENT IN ACCORDANCE WITH NPDES PERMIT BY RULE REQUIREMENTS IF APPLICABLE.
 - EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.
 - BEST MANAGEMENT PRACTICES WILL BE UTILIZED DURING AND AFTER CONSTRUCTION OF THE PROJECT. MEASURES WILL INCLUDE THE USE OF SILT FENCING, SEEDING AND MULCHING, SEDIMENT INLET FILTERS, COMPACTION AND PAVING. THE OWNER OF THE SUBJECT PARCEL SHALL HAVE THE RESPONSIBILITY TO MAINTAIN THE PERMANENT SOIL EROSION PROTECTION MEASURES.
 - ANY POND AREA LABELED AS "INFILTRATION" OR "RETENTION" SHALL BE CONSTRUCTED IN A MANNER AS TO MINIMIZE COMPACTION OF EXISTING SUBGRADE. CONTRACTOR SHALL PROTECT AREA FROM COMPACTION PRIOR TO INSTALLATION AND THROUGHOUT CONSTRUCTION. IF NECESSARY, EXCAVATE BASIN BOTTOM TO AN UNCOMPACTED SUBGRADE FREE OF ROCKS AND DEBRIS AND ENSURE A SANDY BOTTOM. DO NOT COMPACT SUBGRADE. SEED AND STABILIZE THE BASIN WITH AN MDOT TDS SEED MIXTURE OR MEADOW MIX AS APPROVED BY THE ENGINEER.

NO.	DATE	REVISION	BY
1	8/13/2024	PRELIMINARY PLAN	JTR
2	8/27/2024	PROGRESS PLAN	JTR
3	9/06/2024	DUE DILIGENCE PLAN	JTR
4	10/08/2024	DESIGN PROGRESS PLAN	JTR
5	10/16/2024	FOR BIDDING	JTR

GRAND RAPIDS PUBLIC SCHOOLS
CITY OF GRAND RAPIDS, MI

2025 PAVING PROJECTS
PROJECT DETAILS

FILE NO. 1376

CHECKED CMF

Sheet No. 8 OF 8

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