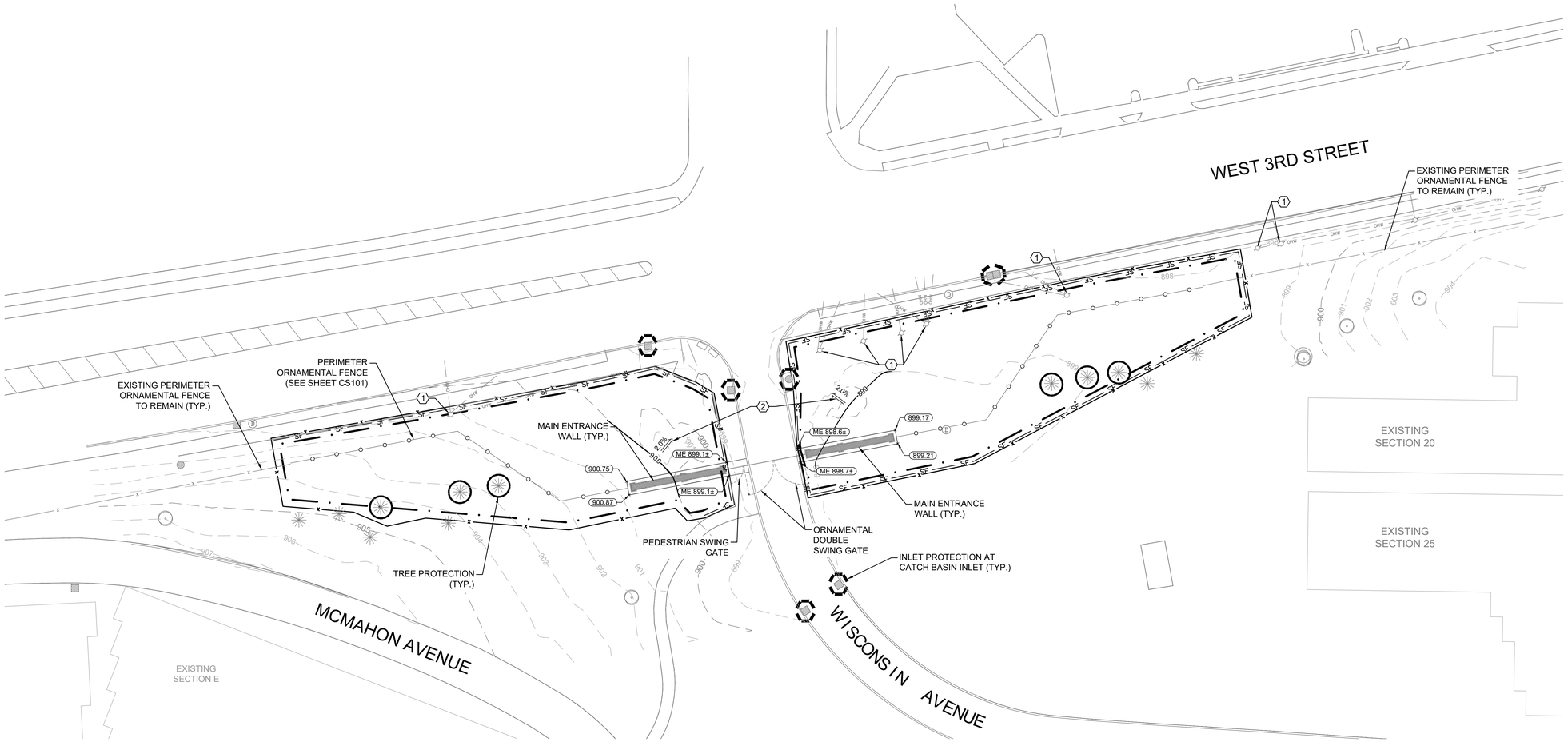


1 GRADING PLAN - MAIN ENTRY SIGN WALL
SCALE: 1"=20'

N

0 20' 40'

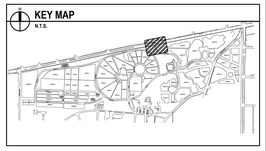
LEGEND

	CONSTRUCTION LIMITS
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	ROCK SOCK
	NEW CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504
	INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
	TREE PROTECTION
	ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
×LP 900.1	LOW POINT
×HP 900.1	HIGH POINT
×ME 900.1	MATCH EXISTING
×RIM 900.1	RIM ELEVATION
×900.1	FINISHED GRADE

KEY NOTES

1. EXISTING UTILITY POLE
2. SLOPE 2.0% MINIMUM AWAY FROM WALL

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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ADAM THIELE
E-92244
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Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GRADING & DRAINAGE PLAN - ENTRY WALL	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	Drawing Number: CG101
			96 of 160

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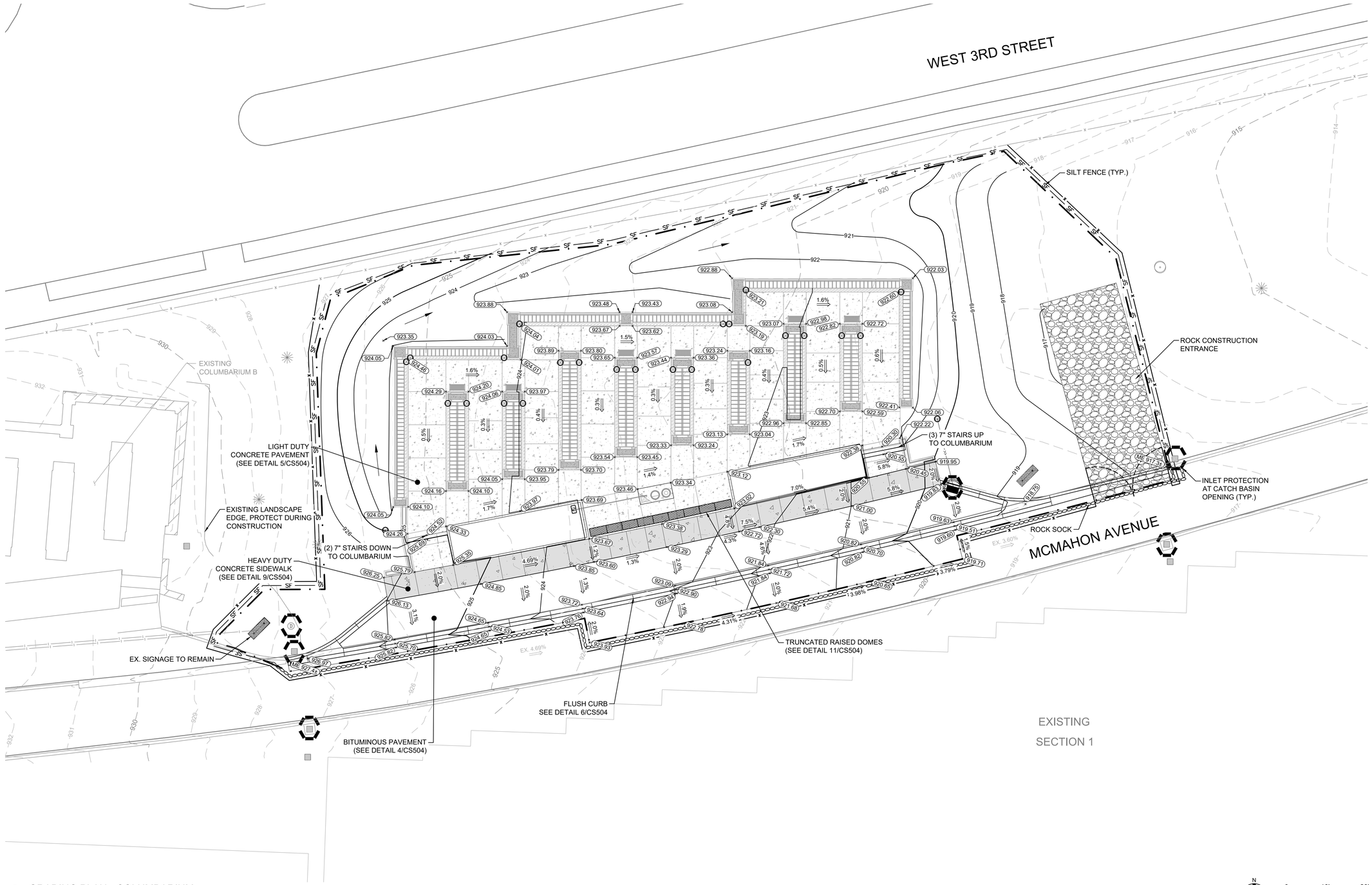
VA FORM 08 - 6231



LEGEND

- CONSTRUCTION LIMITS
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- NEW MINOR CONTOUR
- NEW MAJOR CONTOUR
- EXISTING SPOT ELEVATION
- DRAINAGE ARROW
- ROCK SOCK
- NEW CONCRETE C&G
- SILT FENCE SEE DETAIL 1/CS504
- INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
- TREE PROTECTION
- ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
- LIGHT DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE SIDEWALK
- LP 900.1 — LOW POINT
- HP 900.1 — HIGH POINT
- ME 900.1 — MATCH EXISTING
- RIM 900.1 — RIM ELEVATION
- 900.1 — FINISHED GRADE

1 GRADING PLAN - COLUMBARIUM
SCALE: 1"=10'

N

0 10' 20'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
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TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GRADING & DRAINAGE PLAN - COLUMBARIUM	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	Drawing Number: CG102
			97 of 160

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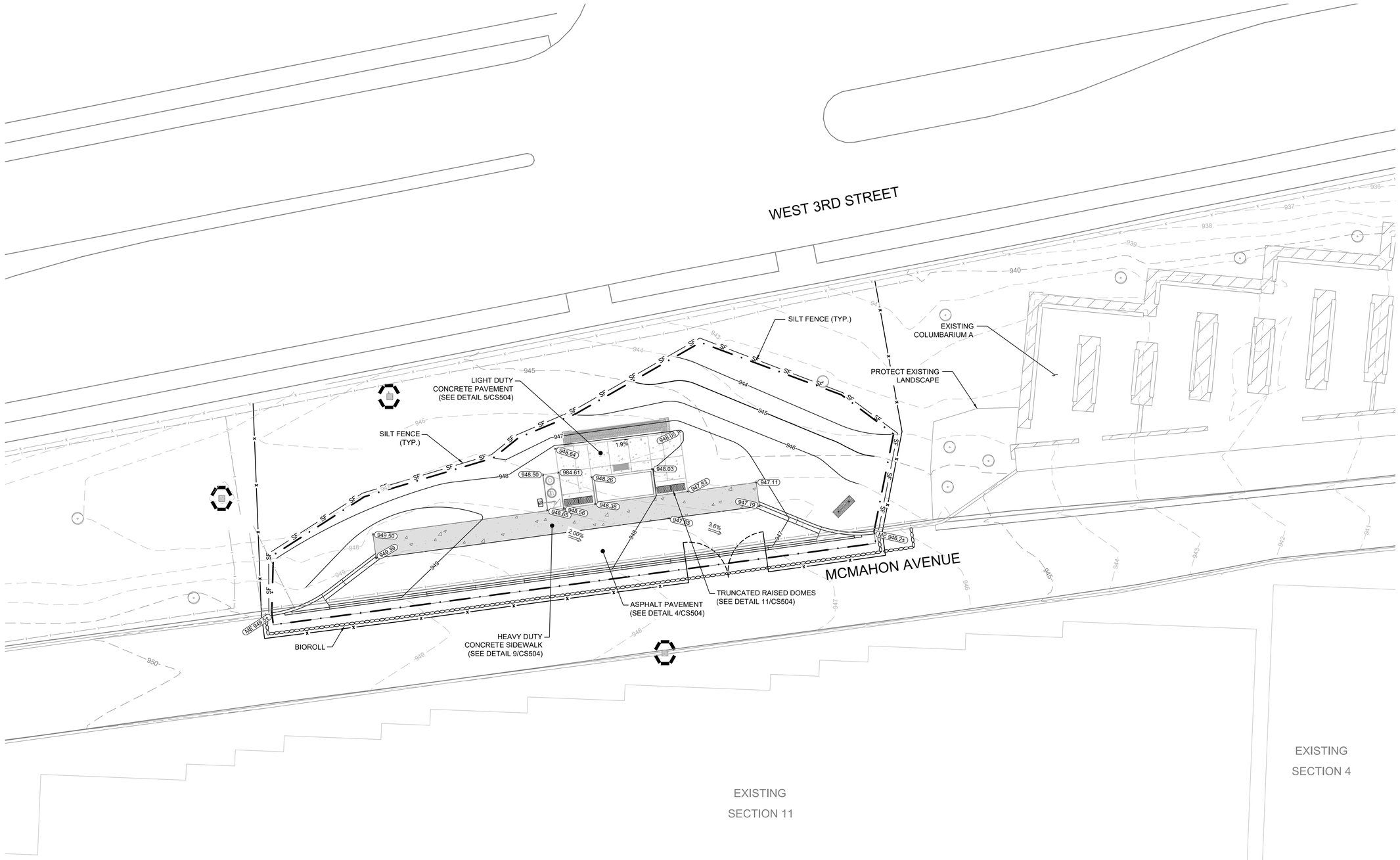
VA FORM 08 - 6231



LEGEND

	CONSTRUCTION LIMITS
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	ROCK SOCK
	NEW CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504
	INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
	TREE PROTECTION
	ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
	LIGHT DUTY CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE SIDEWALK
× LP 900.1	LOW POINT
× HP 900.1	HIGH POINT
× ME 900.1	MATCH EXISTING
× RIM 900.1	RIM ELEVATION
× 900.1	FINISHED GRADE

1 GRADING PLAN - MEMORIAL WALL
SCALE: 1"=10'

N

0 10' 20'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
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VA U.S. Department of Veterans Affairs

Drawing Title	GRADING & DRAINAGE PLAN - MEMORIAL WALL
Phase	BID DOCUMENTS
Project Title	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION
Project Number	810-CM3-033
Building Number	--
Approved: Project Director	
Location	4400 W THIRD ST, DAYTON, OH 45428
Issue Date	FEBRUARY 5, 2026
Checked	LRK
Drawn	BJN
Drawing Number	CG103
	98 of 160

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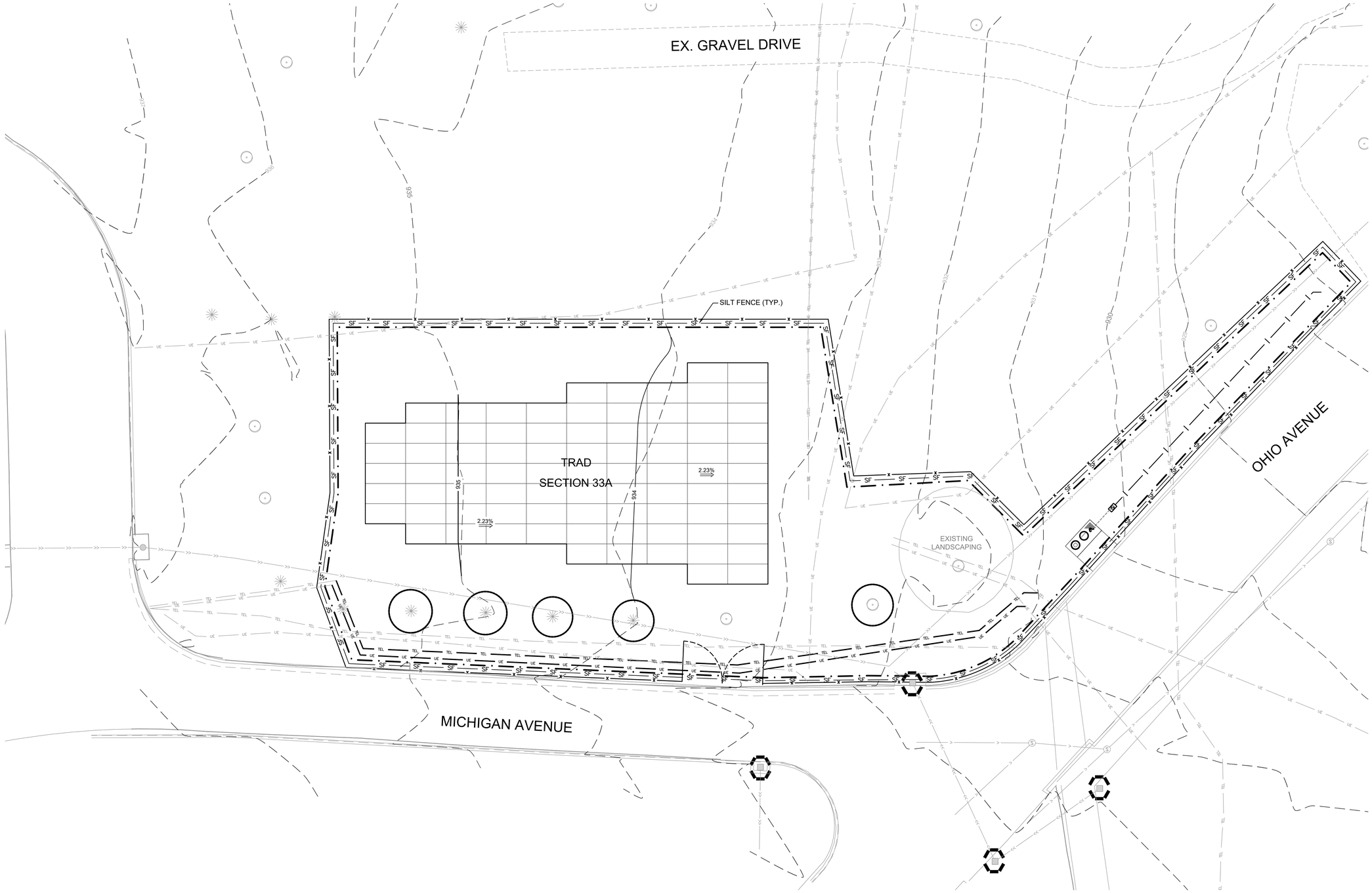
VA FORM 08 - 6231



LEGEND

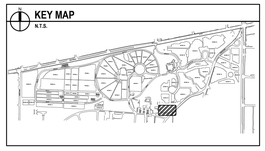
	CONSTRUCTION LIMITS
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	ROCK SOCK
	NEW CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504
	INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
	TREE PROTECTION
	ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
	LIGHT DUTY CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE SIDEWALK
× LP 900.1	LOW POINT
× HP 900.1	HIGH POINT
× ME 900.1	MATCH EXISTING
× RIM 900.1	RIM ELEVATION
× 900.1	FINISHED GRADE

1 GRADING PLAN - SECTION 33A
SCALE: 1"=10'

N

0 10' 20'

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
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Drawing Title: GRADING & DRAINAGE PLAN - TRAD SECTION 33A	Phase: BID DOCUMENTS	Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	Project Number: 810-CM3-033
Approved: Project Director			Building Number: --
		Location: 4400 W THIRD ST, DAYTON, OH 45428	Drawing Number: CG104
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	99 of 160

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VA FORM 08 - 6231

1 GRADING PLAN - SECTION 45

SCALE: 1"=20'

LEGEND

	CONSTRUCTION LIMITS
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	ROCK SOCK
	NEW CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504
	INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
	TREE PROTECTION
	ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
	LIGHT DUTY CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE SIDEWALK
× LP 900.1	LOW POINT
× HP 900.1	HIGH POINT
× ME 900.1	MATCH EXISTING
× RIM 900.1	RIM ELEVATION
× 900.1	FINISHED GRADE

N

0 20' 40'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
GRADING & DRAINAGE PLAN - IGC SECTION 45	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	Drawing Number: CG105
			100 of 160

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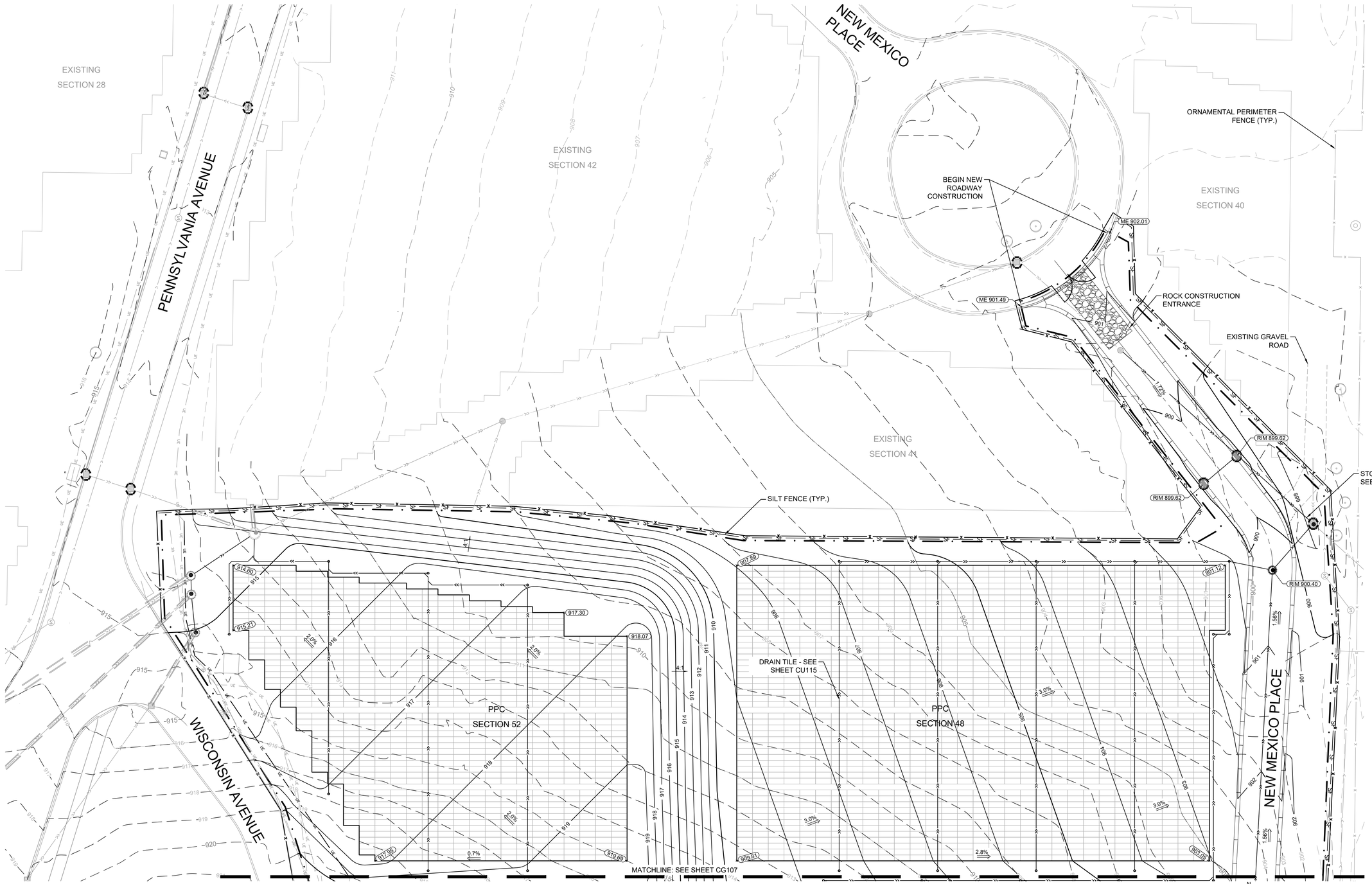
VA FORM 08 - 6231



1 GRADING PLAN - SECTIONS 48 & 52

SCALE: 1"=20'

LEGEND

- CONSTRUCTION LIMITS
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- NEW MINOR CONTOUR
- NEW MAJOR CONTOUR
- EXISTING SPOT ELEVATION
- DRAINAGE ARROW
- ROCK SOCK
- NEW CONCRETE C&G
- SILT FENCE SEE DETAIL 1/CS504
- INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
- TREE PROTECTION
- ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
- LIGHT DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE SIDEWALK
- LP 900.1 — LOW POINT
- HP 900.1 — HIGH POINT
- ME 900.1 — MATCH EXISTING
- RIM 900.1 — RIM ELEVATION
- 900.1 — FINISHED GRADE

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	TERRACON	OCMI
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	JEFF DUNLAP, PE	KYLE VEATER

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Drawing Title	Phase	Project Title	Project Number
GRADING & DRAINAGE PLAN - PPC SECTIONS 48 & 52	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	Drawing Number: CG106
			101 of 160

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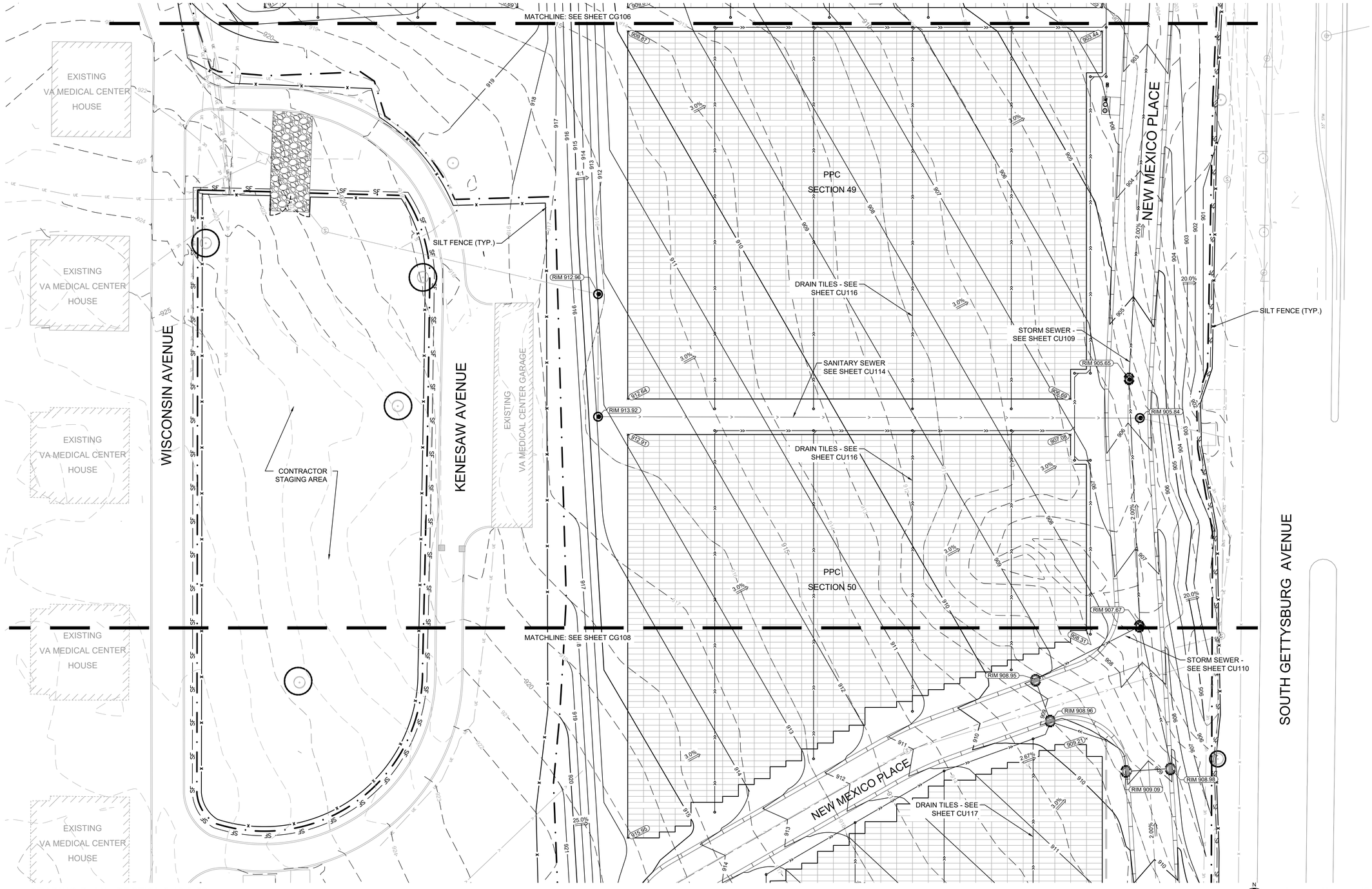
VA FORM 08 - 6231



1 GRADING PLAN - SECTIONS 49 & 50
SCALE: 1"=20'

LEGEND

- CONSTRUCTION LIMITS
- 966 EXISTING MINOR CONTOUR
- 965 EXISTING MAJOR CONTOUR
- 966 NEW MINOR CONTOUR
- 965 NEW MAJOR CONTOUR
- × 959.4 EXISTING SPOT ELEVATION
- DRAINAGE ARROW
- ROCK SOCK
- NEW CONCRETE C&G
- SF SILT FENCE SEE DETAIL 1/CS504
- INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
- TREE PROTECTION
- ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
- LIGHT DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE SIDEWALK
- × LP 900.1 LOW POINT
- × HP 900.1 HIGH POINT
- × ME 900.1 MATCH EXISTING
- × RIM 900.1 RIM ELEVATION
- × 900.1 FINISHED GRADE

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
GRADING & DRAINAGE PLAN - PPC SECTIONS 49 & 50	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director			Building Number: --
		Location: 4400 W THIRD ST, DAYTON, OH 45428	Drawing Number: CG107
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: BJN	102 of 160

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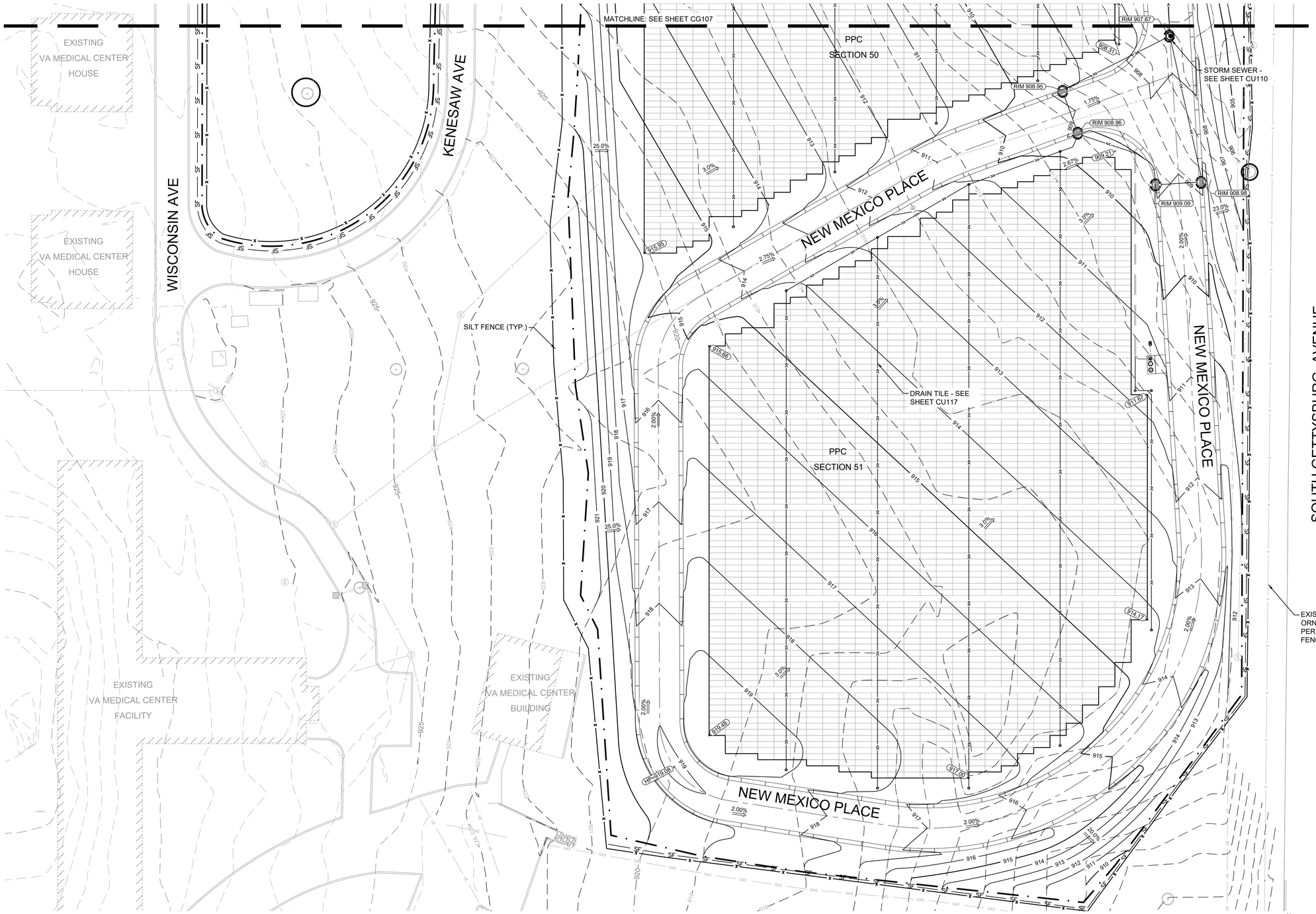
VA FORM 08 - 6231

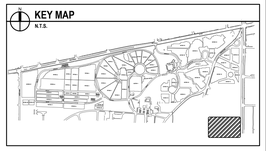


1 GRADING PLAN - SECTION 51
SCALE: 1"=20'

LEGEND

	CONSTRUCTION LIMITS
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	ROCK SOCK
	NEW CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504
	INLET SEDIMENT PROTECTION SEE DETAIL 2/CS504
	TREE PROTECTION
	ROCK CONSTRUCTION ENTRANCE SEE DETAIL 3/CS504
	LIGHT DUTY CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE SIDEWALK
× LP 900.1	LOW POINT
× HP 900.1	HIGH POINT
× ME 900.1	MATCH EXISTING
× RIM 900.1	RIM ELEVATION
× 900.1	FINISHED GRADE

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**QCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
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ANDERSON
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PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	GRADING & DRAINAGE PLAN - PPC SECTION 51
Phase	BID DOCUMENTS
Approved: Project Director	
Project Title	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION
Project Number	810-CM3-033
Building Number	--
Location	4400 W THIRD ST, DAYTON, OH 45428
Drawing Number	CG108
Issue Date	FEBRUARY 5, 2026
Checked	LRK
Drawn	BJN
	103 of 160

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VA FORM 08 - 6231

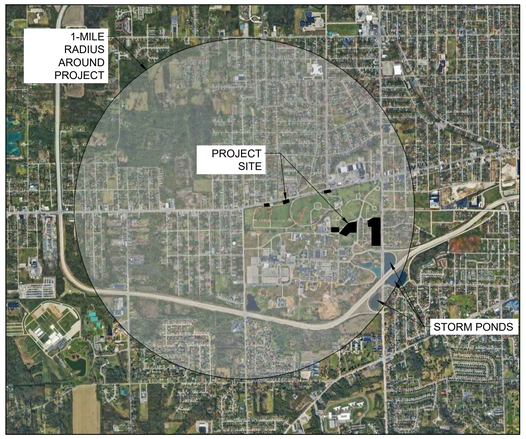
DAYTON NC - GRAVESITE EXPANSION

DAYTON NATIONAL CEMETERY IS LOCATED IN THE CITY OF DAYTON IN MONTGOMERY COUNTY BOUNDED ON THE NORTH BY W THIRD ST. AND ON THE SOUTH BY MICHIGAN AVE, EXTENDING FROM LISCUM DR TO S GETTYSBURG AVE. THE SITES ENCOMPASSES A COMBINED 11.56 ACRES.

THE PLANNED SCOPE OF THE PROJECT INCLUDES:

- THE INSTALLATION OF EROSION CONTROL MEASURES AS REQUIRED FOR THE MASS GRADING OF THE SITE FOR THE CONSTRUCTION OF COLUMBARIA, MEMORIAL WALL, PPC SECTIONS, IGC SECTIONS, TRADITIONAL SECTIONS, AND ROADS.
- GRADING AS REQUIRED FOR THE INSTALLATION OF THE SECTIONS STRUCTURES, AND ROADS.
- INSTALLATION OF STORM SEWER, IRRIGATION, AND SANITARY SEWER.
- PLACEMENT OF CONCRETE AS REQUIRED TO ESTABLISH CURB, GUTTER, AND SIDEWALKS THROUGHOUT THE SITE.

RECEIVING WATERS



WITHIN A 1 MILE RADIUS OF THE PROJECT SITE, MULTIPLE UNNAMED WATER BODIES SOUTH OF THE SITE ARE PRESENT. HOWEVER, RUNOFF FROM THE PROJECT AREA WILL BE PRIMARILY BE CAPTURED BY STORM SEWER UTILITIES.

SOIL TYPES

GEOTECHNICAL REPORTS BY TERRACON DATED 11/5/2020 AND 12/20/2024 ARE TO BE KEPT ON SITE AS PART OF THE SWPPP AND TO BE MADE AVAILABLE UPON REQUEST. SEE SHEETS B-101, B-102, B-103, AND B-104 FOR BORING INFORMATION.

PRIOR LAND USE

DEVELOPMENT AREA WAS PRIMARILY USED AS GREEN SPACE FOR DAYTON NATIONAL CEMETERY.

PROJECT PERSONNEL AND TRAINING

THIS SWPPP WAS PREPARED BY PERSONNEL THAT ARE VERIFIED IN THE DESIGN OF CONSTRUCTION SWPPP. COPIES OF THE CERTIFICATIONS ARE ON FILE WITH THE ENGINEER.

PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR IN GOOD STANDING WHO IS KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES. THE EROSION CONTROL SUPERVISOR WILL WORK WITH THE PROJECT ENGINEER / SWPPP DESIGNER TO OVERSEE THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE OHIO EPA. PROVIDE PROOF OF CERTIFICATION AT THE RECONSTRUCTION MEETING. WORK WILL NOT BE ALLOWED TO COMMENCE UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE PROJECT ENGINEER.

PROVIDE AT LEAST ONE CERTIFIED INSTALLER FOR EACH CONTRACTOR OR SUBCONTRACTOR THAT INSTALLS EROSION/SEDIMENT CONTROL PRODUCTS INCLUDING SODDING, SILT FENCE, ROLLED EROSION CONTROL PRODUCTS, AND DITCH CHECKS. PROVIDE PROOF OF CERTIFICATION AT THE RECONSTRUCTION MEETING. WORK WILL NOT BE ALLOWED TO COMMENCE UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE PROJECT ENGINEER.

CHAIN OF RESPONSIBILITY

THE OWNER AND CONTRACTOR ARE CO-PERMITTEES FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION PERMIT AT ALL TIMES UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED. THE CONTRACTOR WILL DEVELOP A CHAIN OF COMMAND WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE, THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION, AND A NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED.

PROJECT CONTACTS

THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED.

CONTACT INFORMATION		
ORGANIZATION	CONTACT NAME	PHONE
DAYTON NATIONAL CEMETERY	DOUGLAS LEDBETTER	937-268-2221
ANDERSON ENGINEERING (SWPPP DESIGN)	MATTIE MILLER*	763-412-4000
[CONTRACTOR]	[CONTRACTOR NAME]	[#]

*CERTIFIED FOR DESIGN OF CONSTRUCTION SWPPP BY UNIVERSITY OF MINNESOTA, EXPIRES 5/31/28

SITE INSPECTION AND MAINTENANCE

CONTRACTOR SHALL PROVIDE NAME, CONTACT INFO, AND TRAINING DOCUMENTATION FOR THE PERSON RESPONSIBLE FOR SWPPP IMPLEMENTATION AND INSPECTION/MAINTENANCE OF BMPS. ONLY QUALIFIED INSPECTION PERSONNEL SHALL PERFORM INSPECTIONS.

INSPECT THE ENTIRE CONSTRUCTION SITE A MINIMUM OF ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES WITHIN A 24 HOUR TIME FRAME. INSPECTION FREQUENCY MAY BE REDUCED TO MONTHLY FOR DORMANT SITES IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME. INSPECT ALL TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT, EROSION PREVENTION AND SEDIMENT CONTROL BMPS UNTIL THE SITE HAS UNDERGONE FINAL STABILIZATION AND THE N.O.T. HAS BEEN SUBMITTED. INSPECT SURFACE WATER INCLUDING DRAINAGE DITCHES FOR SIGNS OF EROSION AND SEDIMENT DEPOSITION. INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS FOR EVIDENCE OF TRACKING ONTO PAVED SURFACES. INSPECT SURROUNDING PROPERTIES FOR EVIDENCE OF OFF SITE SEDIMENT ACCUMULATION.

RECORD AND SIGN ALL INSPECTIONS AND MAINTENANCE ACTIVITIES IN WRITING WITHIN 24 HOURS. SUBMIT INSPECTION REPORTS IN A FORMAT THAT IS ACCEPTABLE TO THE PROJECT ENGINEER. INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES.

FOR PROJECTS THAT DISCHARGE TO PROHIBITED WATERS, CONDUCT ROUTINE SITE INSPECTIONS AT A MINIMUM OF ONCE EVERY 72 HOURS (3 DAYS).

INCLUDE THE FOLLOWING IN THE RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY:

A. DATE AND TIME OF INSPECTIONS
B. NAMES & QUALIFICATIONS OF PERSONS CONDUCTING INSPECTIONS
C. FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS
D. CORRECTIVE ACTION TAKEN, INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES
E. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCH IN 24 HOURS
F. DOCUMENTS AND CHANGES MADE TO THE SWPPP

REPLACE, REPAIR OR SUPPLEMENT ALL NONFUNCTIONAL BMPS BY IN THE TIME PROVIDED BELOW:

A. REPAIR, REPLACE, OR SUPPLEMENT PERIMETER CONTROL DEVICES WHEN IT BECOMES NONFUNCTIONAL OR SEDIMENT REACHES ½ THE HEIGHT OF THE DEVICE. COMPLETE REPAIRS BY
B. THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVERY.
C. REPAIR OR REPLACE INLET PROTECTION DEVICES WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES ½ THE HEIGHT AND/OR DEPTH OF THE DEVICE. COMPLETE REPAIRS BY THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVER.
D. DRAIN AND REMOVE SEDIMENT FROM TEMPORARY AND PERMANENT SEDIMENT BASINS ONCE THE SEDIMENT HAS REACHED ½ THE STORAGE VOLUME. COMPLETE WORK WITHIN 72 HOURS OF DISCOVERY.
E. REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATER INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS. RESTABILIZED ANY AREAS THAT ARE DISTURBED BY SEDIMENT REMOVAL OPERATION. SEDIMENT REMOVAL AND STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS OF DISCOVERY. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR WORKING IN SURFACE WATERS.
F. REMOVE TRACKED SEDIMENT FROM PAVED SURFACES BOTH ON AND OFF SITE WITHIN 24 HOURS OF DISCOVERY. STREET SWEEPING MAY HAVE TO OCCUR MORE OFTEN TO MINIMIZE OFF SITE IMPACTS. LIGHTLY WET THE PAVEMENT PRIOR TO SWEEPING
G. MAINTAIN ALL BMPS UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION, AND THE NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE MPCA.

SPECIAL SITE NOTES

ACREAGE SUMMARY	
AREA	ACRES
COMBINED PROJECT AREA	11.72
DISTURBED	11.72
IMP. PRE-CONSTRUCTION	0.20
IMP. POST-CONSTRUCTION	1.34
NEW IMP.	1.14
PERVIOUS AT COMPLETION	10.58

IF SITE REQUIRES PERMANENT STORMWATER MANAGEMENT HYDROLOGIC AND WATER QUALITY MODELING DATA IS AVAILABLE UPON REQUEST.

THE SWPPP COORDINATOR MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST AND SHALL BE RESPONSIBLE FOR THE FOLLOWING:

- SUBMIT THE NPDES PERMIT APPLICATION AND COMPLY WITH ALL REQUIREMENTS
- IMPLEMENT THE SWPPP.
- OVERSEE INSTALLATION AND MAINTENANCE PRACTICES AND REPAIRS IDENTIFIED IN THE SWPPP.
- IMPLEMENT AND OVERSEE EMPLOYEE TRAINING AND RECORD IN OR WITH THE SWPPP.
- CONDUCT OR PROVIDE FOR INSPECTION AND MONITORING ACTIVITIES AND MAINTAIN LOGS AS PERMIT REQUIRES.
- IDENTIFY OTHER POTENTIAL POLLUTANT SOURCES NOT LISTED IN THE SWPPP AND ADD THEM.
- IDENTIFY ANY DEFICIENCIES IN THE SWPPP AND CORRECT THEM.
- ENSURE THAT CHANGES TO CONSTRUCTION PLANS ARE ADDRESSED IN THE SWPPP.
- FILE THE NOTICE OF TERMINATION UPON PROJECT COMPLETION.

AFTER THE NOTICE OF TERMINATION HAS BEEN FILED, THE OWNER SHALL BE RESPONSIBLE FOR ASSIGNING RESPONSIBILITY FOR PERMANENT MAINTENANCE MEASURES.

PERMITS

THE FOLLOWING PERMITS APPLY TO THIS PROJECT:

AGENCY	TYPE OF PERMIT	PERMIT # AND DATES
OHIO EPA	NPDES CONSTRUCTION PERMIT	CONTRACTOR TO ACQUIRE
CITY OF DAYTON	GRADING PERMIT	CONTRACTOR TO ACQUIRE
CITY OF DAYTON	CONSTRUCTION ACCESS PERMIT	CONTRACTOR TO ACQUIRE

LOCATION OF SWPPP REQUIREMENTS

THE REQUIRED SWPPP ELEMENTS MAY BE LOCATED IN MANY PLACES WITHIN THE PLAN SET.

STABILIZATION TIME FRAMES

ALL AREAS DISTURBED BY CONSTRUCTION WILL RECEIVE SEED OR SOD ACCORDING TO THE PLANS AND SPECIFICATIONS AND WITHIN THE SPECIFIED VEGETATIVE TIME SCHEDULE BELOW. FINAL STABILIZATION WILL OCCUR WHEN THE SITE HAS A UNIFORM VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE ENTIRE DISTURBED AREA COMPARED TO EXISTING CONDITIONS. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS MUST BE REMOVED AS PART OF THE SITE FINAL STABILIZATION. ALL SEDIMENT MUST BE CLEANED OUT OF CONVEYANCES AND TEMPORARY SEDIMENTATION BASINS IF APPLICABLE.

AREA	TIME FRAME	NOTES
LAST 200 LINEAL FEET OF DRAINAGE DITCH OR SWALE	WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER OR PROPERTY EDGE	1, 2, 3
REMAINING PORTIONS OF DRAINAGE DITCH OR SWALE	7 DAYS	1, 3
PIPE AND CULVERT OUTLETS	24 HOURS	
STOCKPILES	7 DAYS	1

1. INITIATE INLET STABILIZATION IMMEDIATELY WHEN CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE. COMPLETE STABILIZATION WITHIN THE TIME FRAME LISTED. IN MANY INSTANCES THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING THE COURSE OF THE PROJECT. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICANT CLAY OR SILT AND STOCKPILED AND CONSTRUCTED ROAD BASE ARE NOT APPROPRIATE AND THEREFORE EXEMPT FROM THE STABILIZATION REQUIREMENT.

2. APPLICATION OF MULCH, HYDROMULCH, TACKIFIER AND POLYACRYLAMIDE ARE NOT ACCEPTABLE STABILIZATION METHODS IN THESE AREAS.

3. STABILIZE ALL AREAS OF THE SITE PRIOR TO THE ONSET OF WINTER, ANY WORK STILL BEING PERFORMED WILL BE SNOW MULCHED, SEEDED, AND BLANKETED WITHIN THE TIME FRAMES IN THE NPDES PERMIT.

4. TOPSOIL BERMS MUST BE STABILIZED IN ORDER TO BE CONSIDERED PERIMETER CONTROL BMPS. USE RAPID STABILIZATION METHODS APPROVED BY THE ENGINEER.

5. KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES, HYDROMULCHES AND BLANKETS.

6. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM REMAINING DORMANT FOR OVER 14 DAYS, APPLY TEMPORARY EROSION CONTROLS WITHIN 2 DAYS.

7. FOR DISTURBED AREAS OVER 50 FEET AWAY FROM A STREAM REMAINING DORMANT FOR OVER 14 DAYS, APPLY TEMPORARY EROSION CONTROLS WITHIN 7 DAYS.

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

1. CONTRACTOR SHALL AMEND THE SWPPP AND DOCUMENT ANY AND ALL CHANGES TO THE SWPPP AND ASSOCIATED PLAN SHEETS WITHIN 7 DAYS UPON IMPLEMENTATION. STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.
2. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR THE ENGINEER'S ACCEPTANCE FOR CONCRETE MANAGEMENT, CONCRETE SLURRY APPLICATION AREAS, WORK IN AND NEAR AREAS OF ENVIRONMENTAL SENSITIVITY, AREAS IDENTIFIED IN THE PLANS AS "SITE MANAGEMENT PLAN AREA", ANY WORK THAT WILL REQUIRE DEWATERING, AND AS REQUESTED BY THE ENGINEER. SUBMIT ALL SITE MANAGEMENT PLANS TO THE ENGINEER IN WRITING. ALLOW ALL MINIMUM OF 7 DAYS FOR THE ENGINEER TO REVIEW AND ACCEPT SITE MANAGEMENT PLAN SUBMITTALS. WORK WILL NOT BE ALLOWED TO COMMENCE IF A SITE MANAGEMENT PLAN IS REQUIRED UNTIL ACCEPTANCE HAS BEEN GRANTED BY THE ENGINEER. THERE WILL BE NO EXTRA TIME ADDED TO THE CONTRACT DUE TO THE UNTIMELY SUBMITTAL.
3. IT IS THE DESIGNER'S INTENT THAT THE CONTRACTOR BUILD PONDS AND INSTALL EROSION CONTROL BMPS BEFORE PUTTING THEM INTO ACTIVE SERVICE TO THE MAXIMUM EXTENT PRACTICABLE.
4. BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.
5. DO NOT DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO STARTING GROUND DISTURBING ACTIVITIES. IF IT BECOMES NECESSARY TO DISTURBED AREAS OUTSIDE OF THE CONSTRUCTION LIMITS OBTAIN WRITTEN PERMISSION FROM THE PROJECT ENGINEER PRIOR TO PROCEEDING. PRESERVE ALL NATURAL BUFFERS SHOWN ON THE PLANS.
6. ROUTE STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER FEASIBLE. PROVIDE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES AS NEEDED TO KEEP CHANNELS FROM ERODING AND TO PREVENT NUISANCE CONDITIONS AT THE OUTLET.
7. DIRECT DISCHARGES FROM BMPS TO VEGETATED AREA WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION.
8. THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS SHALL BE PLACED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND TO CAPTURE SEDIMENT ON SITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES COMMENCE.
9. SEDIMENT CONTROL DEVICES TO BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED FOR OVER 14 DAYS.
10. SEDIMENT CONTROLS TO BE IMPLEMENTED PRIOR TO GRADING AND WITHIN 7 DAYS OF GRUBBING.
11. ESTABLISH SEDIMENT CONTROL DEVICES ON ALL DOWN GRADIENT PERIMETERS AND UP GRADIENT OF ANY BUFFER ZONES BEFORE AND UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN. MAINTAIN SEDIMENT CONTROL DEVICES UNTIL CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
12. LOCATE PERIMETER CONTROL ON THE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWN GRADIENT OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS. PLACE J-HOOKS AT A MAXIMUM OF 100 FOOT INTERVALS.
13. PROVIDE PERIMETER CONTROL AROUND ALL STOCKPILES. PLACE BMP A MINIMUM 5 FEET FROM THE TOE OF SLOPE WHERE FEASIBLE. DO NOT PLACE STOCKPILES IN NATURAL BUFFER AREAS, SURFACE WATERS OR STORMWATER CONVEYANCES.
14. FLOATING SILT CURTAIN IS ALLOWED AS PERIMETER CONTROL FOR IN WATER WORK ONLY. INSTALL THE FLOATING SILT CURTAIN AS CLOSE TO SHORE AS POSSIBLE. PLACE PERIMETER CONTROL BMP ON LAND IMMEDIATELY AFTER THE IN WATER WORK IS COMPLETED.
15. DITCH CHECKS WILL BE PLACED AS INDICATED ON THE PLANS DURING ALL PHASES OF CONSTRUCTION.
16. SEDIMENT BARRIERS TO MEET MAXIMUM DRAINAGE LIMITS AS DESCRIBED IN THE OHIO RAINWATER LAND DEVELOPMENT MANUAL.
17. PLACE CONSTRUCTION EXITS, AS NECESSARY, TO PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES BOTH ON AND OFF THE PROJECT SITE. PROVIDE CONSTRUCTION EXITS OF SUFFICIENT SIZE TO PREVENT TRACK OUT. MAINTAIN CONSTRUCTION EXITS WHEN EVIDENCE OF TRACKING IS DISCOVERED. REGULAR STREET SWEEPING IS NOT AN ACCEPTABLE ALTERNATIVE TO PROPER CONSTRUCTION EXIT INSTALLATION AND MAINTENANCE. CONSTRUCTION EXITS ARE INCIDENTAL.
18. DISCHARGE TURBID OR SEDIMENT LADEN WATER TO TEMPORARY SEDIMENT BASINS WHENEVER FEASIBLE. IN THE EVENT THAT IT IS NOT FEASIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN, THE WATER MUST BE TREATED SO THAT IT DOES NOT CAUSE A NUISANCE CONDITION IN THE RECEIVING WATERS OR TO DOWNSTREAM LANDOWNERS. CLEAN OUT ALL PERMANENT STORMWATER BASINS REGARDLESS OF WHETHER USED AS TEMPORARY SEDIMENT BASINS OR TEMPORARY SEDIMENT TRAPS TO THE DESIGN CAPACITY AFTER ALL UP GRADIENT LAND DISTURBING ACTIVITY IS COMPLETED.
19. PROVIDE SCOUR PROTECTION AT ANY OUTFALL OF DEWATERING ACTIVITIES.
20. PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.

POLLUTION PREVENTION

SEE SPECIFICATION SECTIONS:

01 57 19 - TEMPORARY ENVIRONMENTAL CONTROL
01 74 19 - CONSTRUCTION WASTE MANAGEMENT

RECORD RETENTION

THE SWPPP, ALL CHANGES TO IT AND INSPECTION AND MAINTENANCE RECORDS MUST BE KEPT ON-SITE DURING CONSTRUCTION. THE OWNER MUST RETAIN A COPY OF THE SWPPP ALONG WITH THE FOLLOWING RECORDS FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION (NOT).

1. ANY OTHER PERMITS REQUIRED FOR THE PROJECT.
2. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION
3. ALL PERMANENT OPERATIONS AND MAINTENANCE AGREEMENT THAT HAVE BEEN IMPLEMENTED INCLUDING ALL RIGHT OF WAY, CONTRACTS, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
4. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

SWPPP SCHEDULE OF INSTALLATION & MAINTENANCE

ITEM	INSTALLATION	INSPECTION & MAINTENANCE	REMOVAL
SILT FENCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED.	AFTER TRIBUTARY DRAINAGE AREA IS RESTORED.
ROCK CONST. ENTRANCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT REGULARLY. MAINTAIN AS NEEDED.	PRIOR TO PAVING.
INLET PROTECTION	EXISTING INLETS SHOWN ON PLANS AND UPON INLET CONSTRUCTION.	WHEN 1/3 CAPACITY OF BMP IS REACHED.	AFTER TRIBUTARY AREAS ARE FULLY RESTORED.
SEED & MULCH	AFTER GRADING IS COMPLETED.	INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY.	NO REMOVAL NECESSARY.

DESCRIPTION OF PERMANENT STORMWATER TREATMENT SYSTEMS

NEW MEXICO AVENUME EXTENTION:
THERE WILL BE SIGNIFICANT CHANGE IN IMPERVIOUS SURFACES, HOWEVER STORMWATER WILL CONTINUE TO BE TREATED BY THE EXISTING STORM SEWER IN THE SURROUNDING AREA.

COLUMBARIUM:
STORMWATER IN THIS AREA WILL BE ROUTED VIA DRAINTILE TO NEW STORM SEWER, WHICH WILL THEN CONNECT TO EXISTING STORM SEWER IN THE SURROUNDING AREA.

ESTIMATED BMPS QUANTITIES

BMP	ORIGINAL ESTIMATE	MODIFICATION	DATE
ENERGY DISSIPATER			
TEMP. DIVERSION DIKES			
CHECK DAMS			
TEMP SEEDING			
PERMANENT SEEDING			
PERMANENT SODDING	450,500 SF		
MULCHES (SPECIFY TYPES)			
CAT 3 EROSION CONTROL BLANKET			
SOIL TACKIFIERS			
SILT FENCING	6,900 LF		
EROSION CONTROL MATS			
STORM DRAIN INLET PROTECTION	44 EA		
TEMPORARY OR PERMANENT SEDIMENTATION BASINS			
CONSTRUCTION ENTRANCE	3 EA		
DEWATERING (TREATMENT LOCATION, SCHEMATIC, & SAMPLING PLAN REQUIRED			
CONCRETE TRUCK WASHOUT			

BID DOCUMENTS

Revisions: | Date:

CONSULTANTS

IRRIGATION
WATER IN MOTION, INC.
175 James Avenue North
Minneapolis, MN 55405
952.229.1911
TIMOTHY MALOOLY

GEOTECHNICAL
TERRACON
611 Lunken Park Drive
Cincinnati, Ohio 45226
513.612.3020
JEFF DUNLAP, PE

COST ESTIMATING
OCMI
2100 North Greenville
Ave. Richardson, Texas
75082 469.431.0571
KYLE VEATER

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

STAMP
STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title: STORM WATER POLLUTION PREVENTION PLAN

Phase: BID DOCUMENTS

Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION

Project Number: 810-CM3-033

Building Number: --

Approved: Project Director

Location: 4400 W THIRD ST, DAYTON, OH 45428

Issue Date: FEBRUARY 5, 2026 | Checked | Drawn

Drawing Number: CG200

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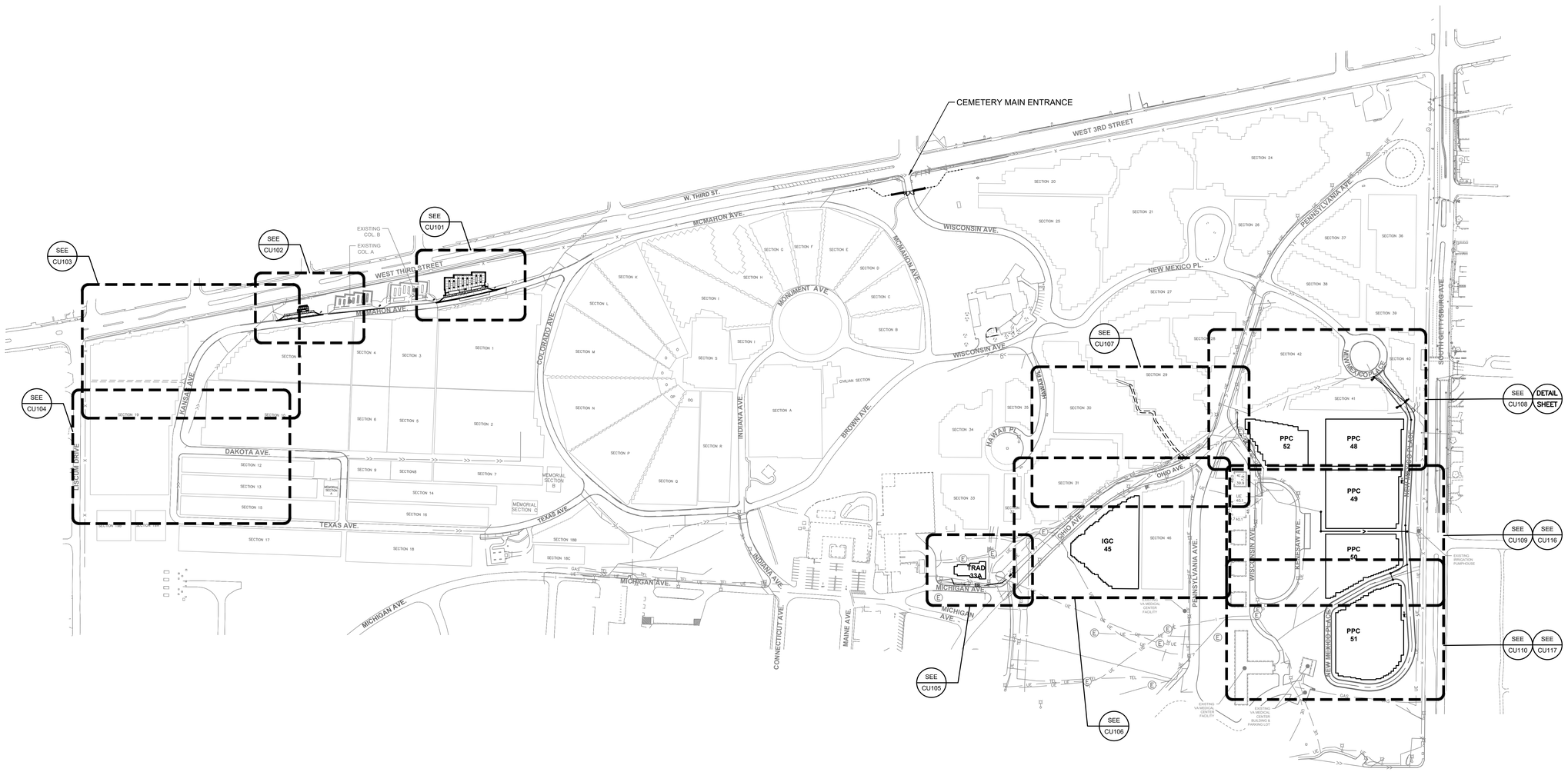
VA FORM 08 - 6231

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE



1 UTILITY PLAN - OVERALL
SCALE: 1"=150'

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

STAMP

STATE OF OHIO
ADAM THIEDE
E-92244
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VA U.S. Department of Veterans Affairs

Drawing Title: UTILITY PLAN - OVERALL	Phase: BID DOCUMENTS	Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	Project Number: 810-CM3-033
Approved: Project Director			Building Number: --
		Location: 4400 W THIRD ST, DAYTON, OH 45428	Drawing Number: CU100
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: SML	105 of 160

VA FORM 08 - 6231

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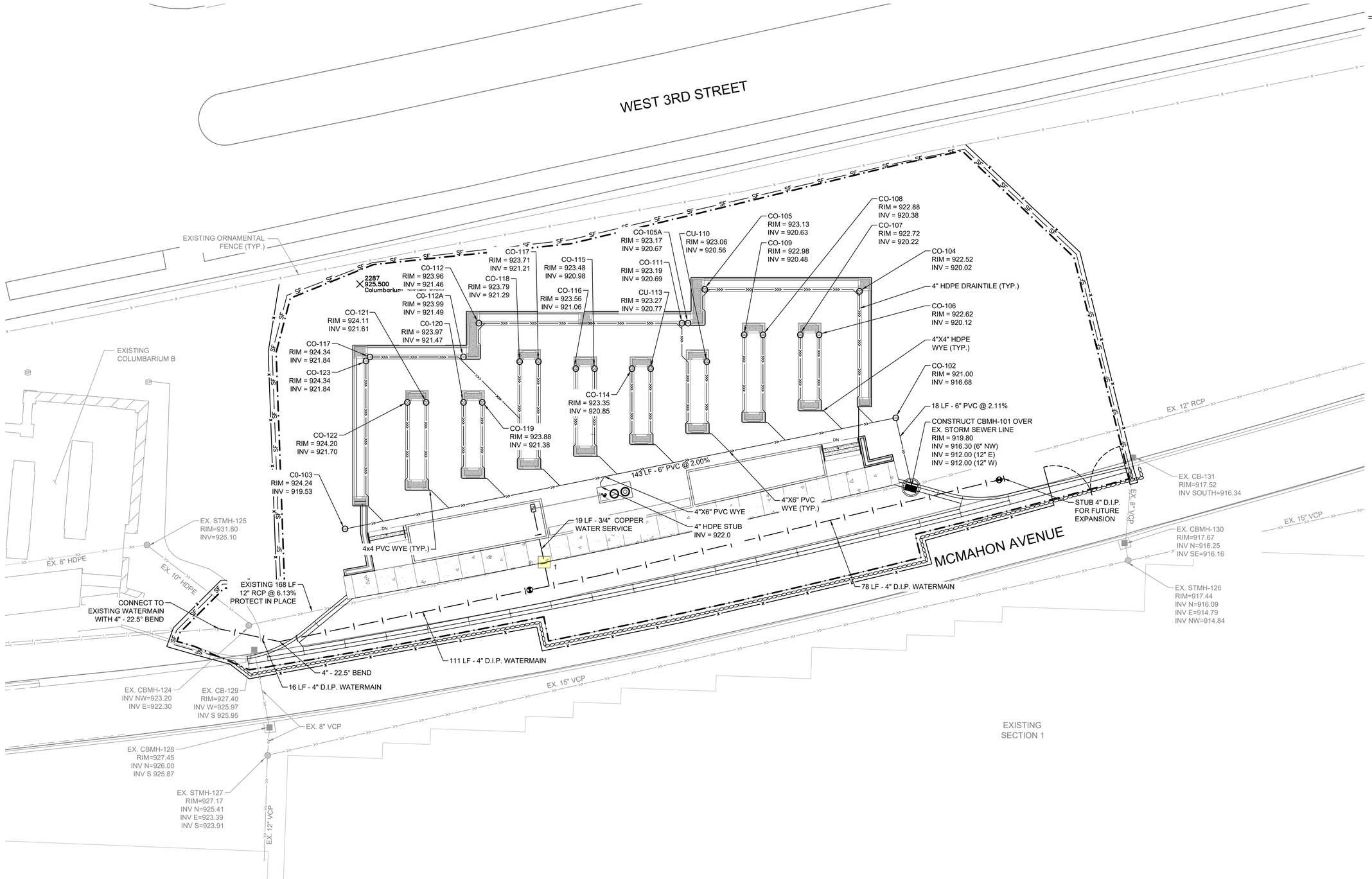

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - COLUMBARIUM
SCALE: 1"=10'

N

0 10' 20'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.228.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.3020	2100 North Greenville Ave. Richardson, Texas 76082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

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STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title: UTILITY PLAN - COLUMBARIUM

Approved: Project Director

Phase: BID DOCUMENTS

Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION

Location: 4400 W THIRD ST, DAYTON, OH 45428

Issue Date: FEBRUARY 5, 2026 | Checked: LRK | Drawn: KA

Project Number: 810-CM3-033

Building Number: --

Drawing Number: CU101

106 of 160

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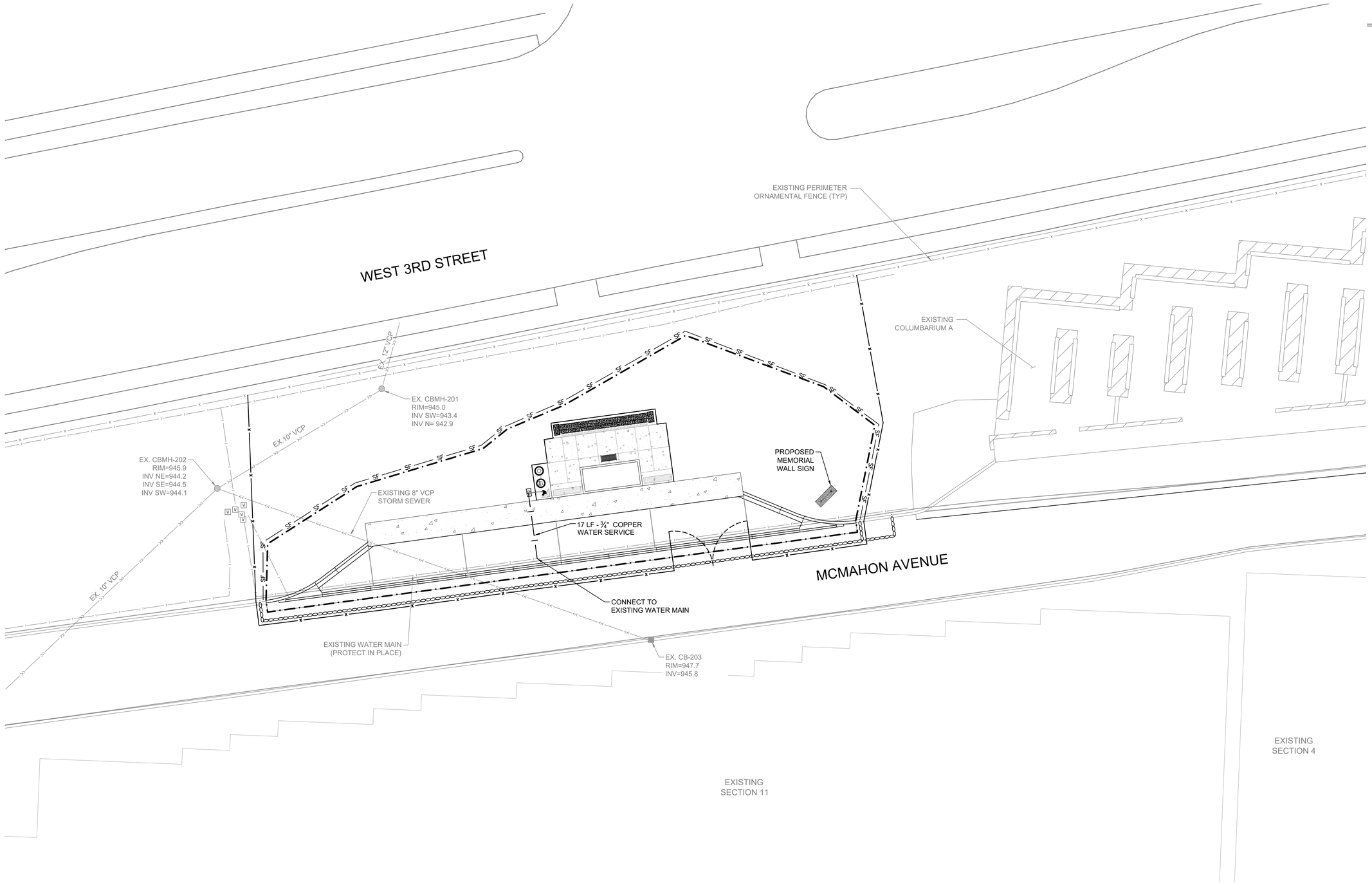
VA FORM 08 - 6231



LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - MEMORIAL WALL

SCALE: 1"=10'

KEY MAP

N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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ANDERSON

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STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - MEMORIAL WALL	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: KA	Drawing Number: CU102
			107 of 160

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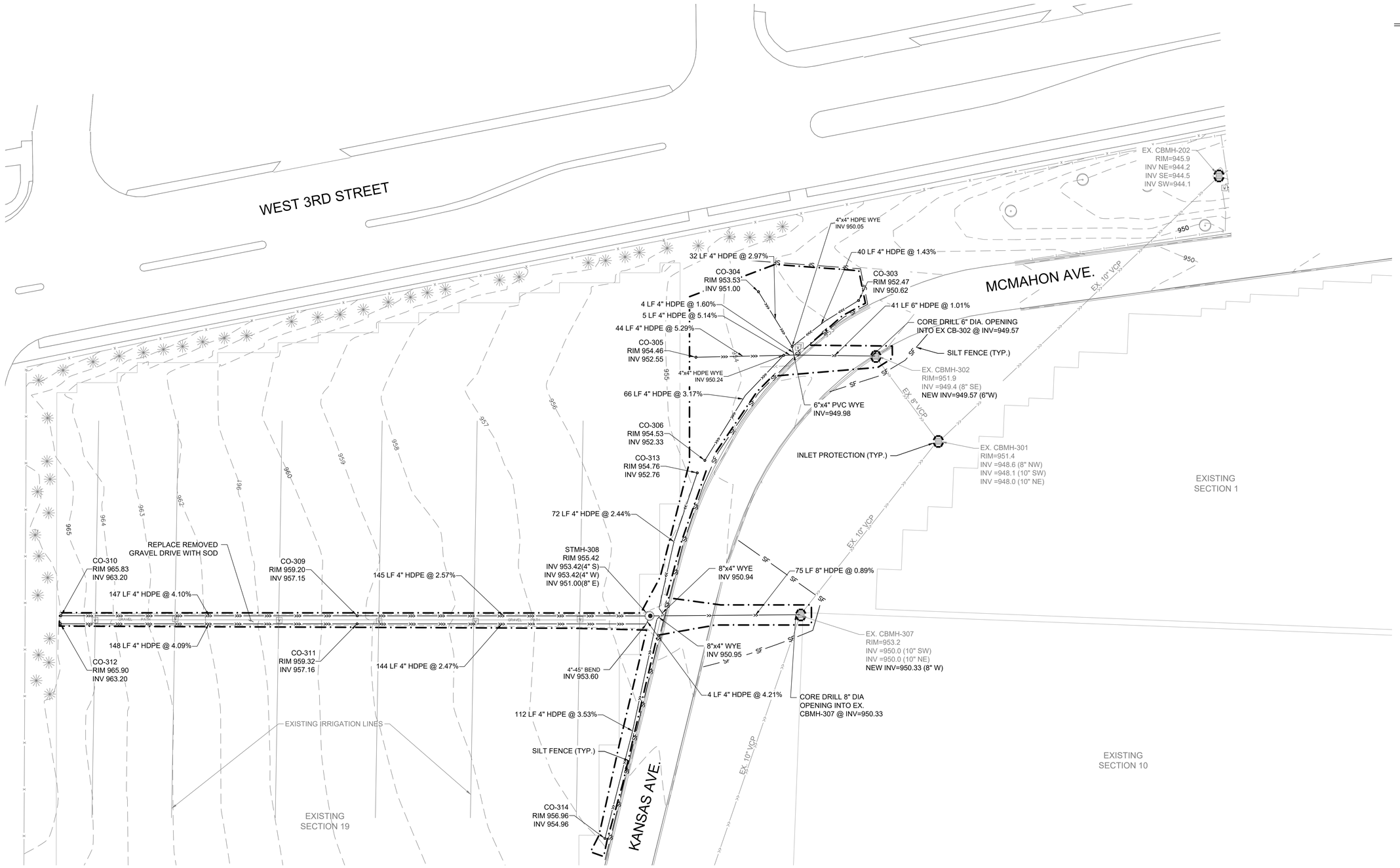
VA FORM 08 - 6231



LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - SECTION 19 NORTH

SCALE: 1"=10'

N

0 20' 40'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - SECTION 19 NORTH	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU103
			108 of 160

VA FORM 08 - 6231

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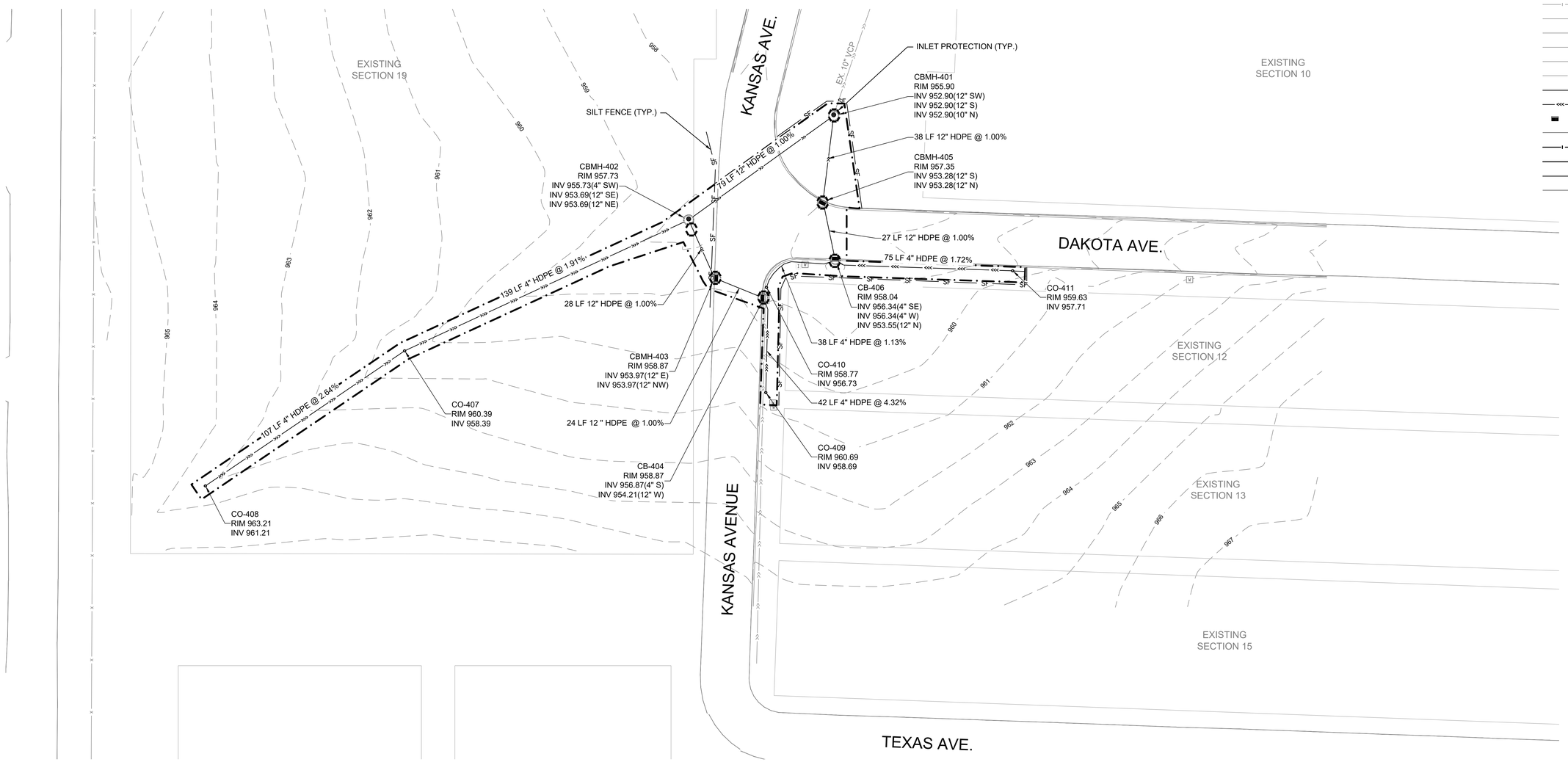

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- UE EXISTING ELECTRIC
- TEL EXISTING COMMUNICATIONS
- OHW EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- UE NEW ELECTRIC
- NEW WATERMAIN
- NEW SANITARY
- SF NEW SILT FENCE
- X TEMPORARY FENCE
- 1 UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - SECTION 19 SOUTH
SCALE: 1"=20'

N

0 20' 40'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - SECTION 19 SOUTH	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU104
			109 of 160

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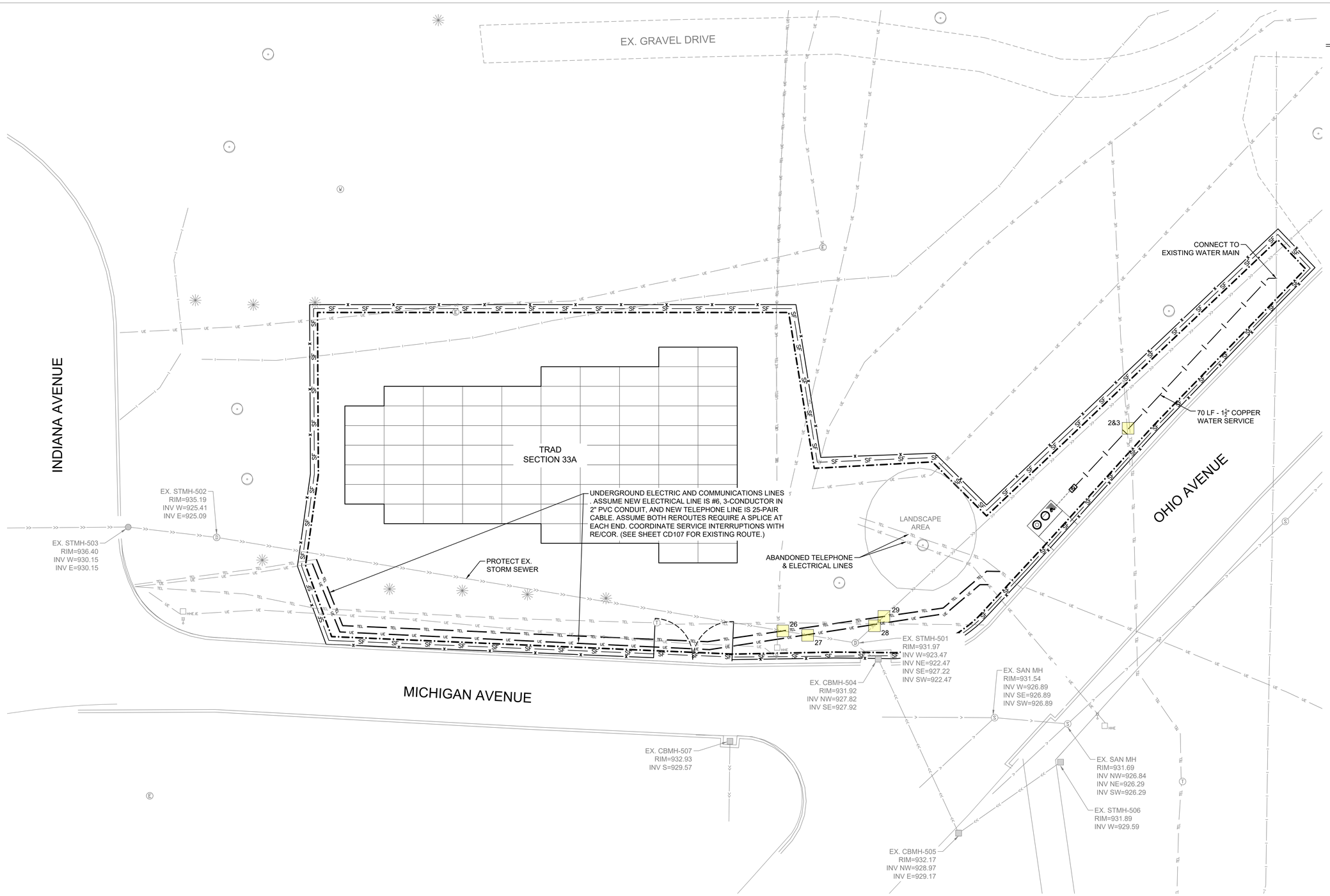

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

KEY MAP
N.T.S.

1 UTILITY PLAN - TRAD SECTION 33A
SCALE: 1"=10'

BID DOCUMENTS

Revisions:	Date:

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IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - TRAD SECTION 33A	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU105
			110 of 160

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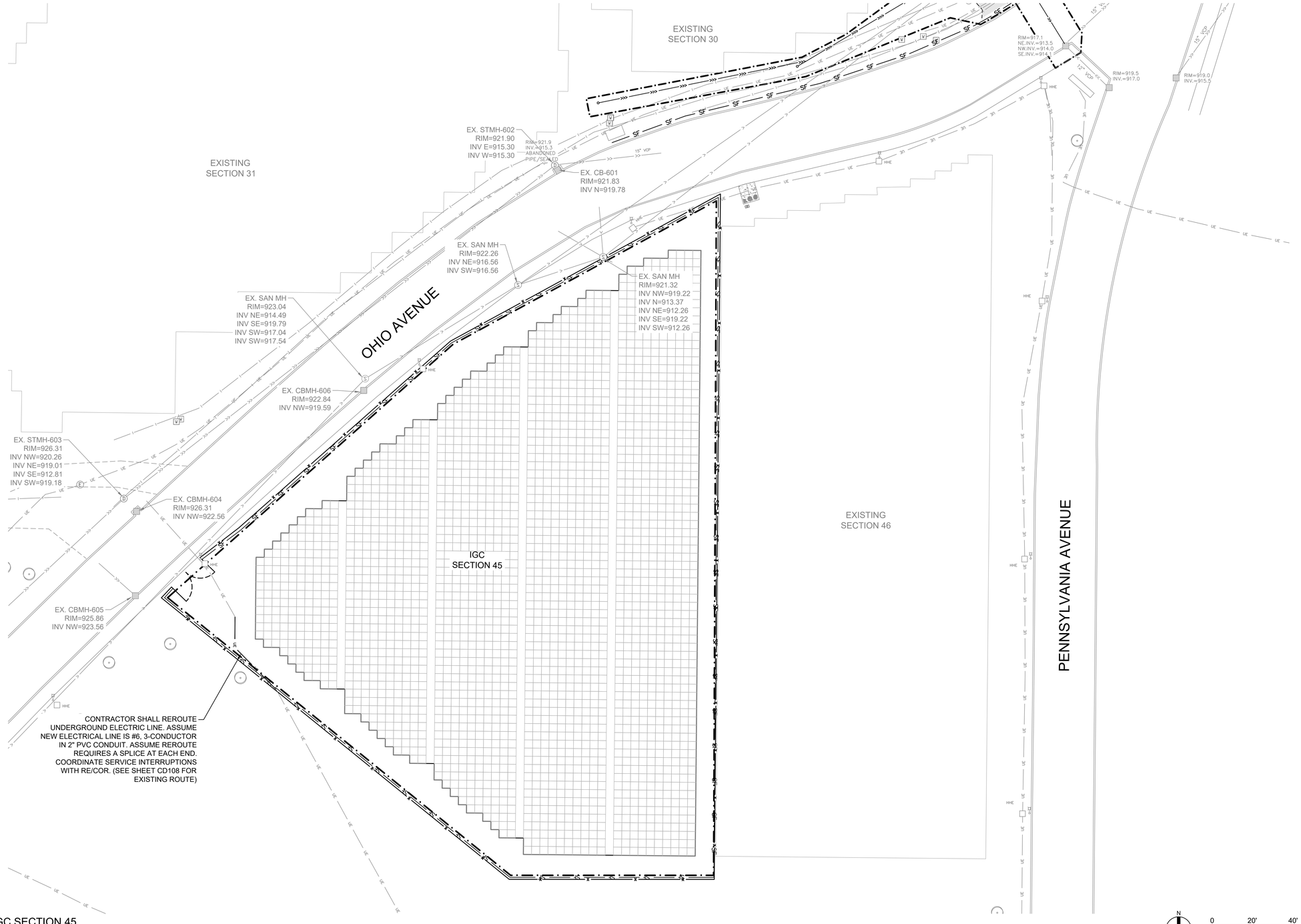

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - IGC SECTION 45
SCALE: 1"=20'

N

0 20' 40'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

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IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - IGC SECTION 45	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU106
			111 of 160

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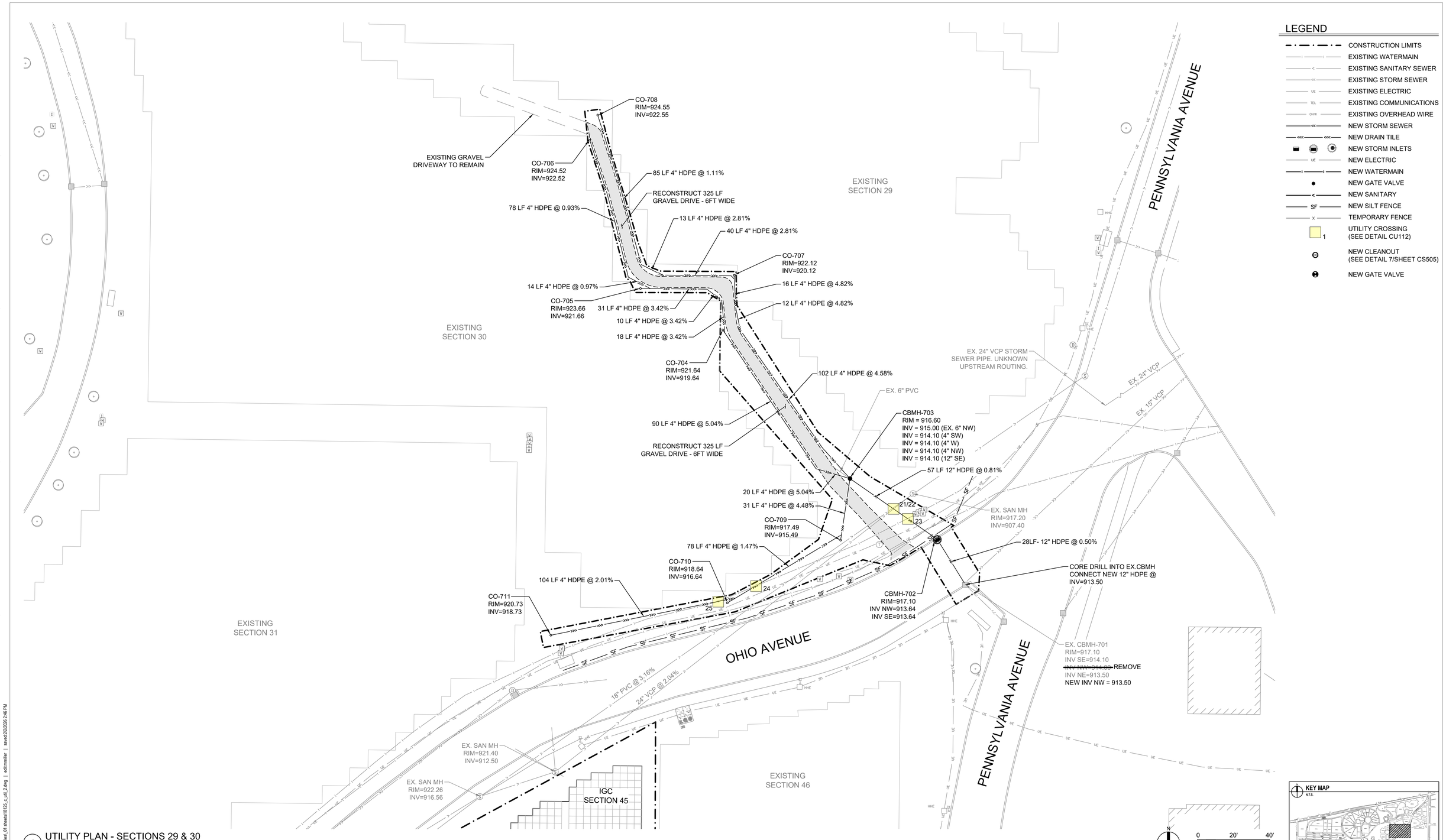

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - SECTIONS 29 & 30

SCALE: 1"=20'

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - SECTIONS 29 & 30	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU107
			112 of 160

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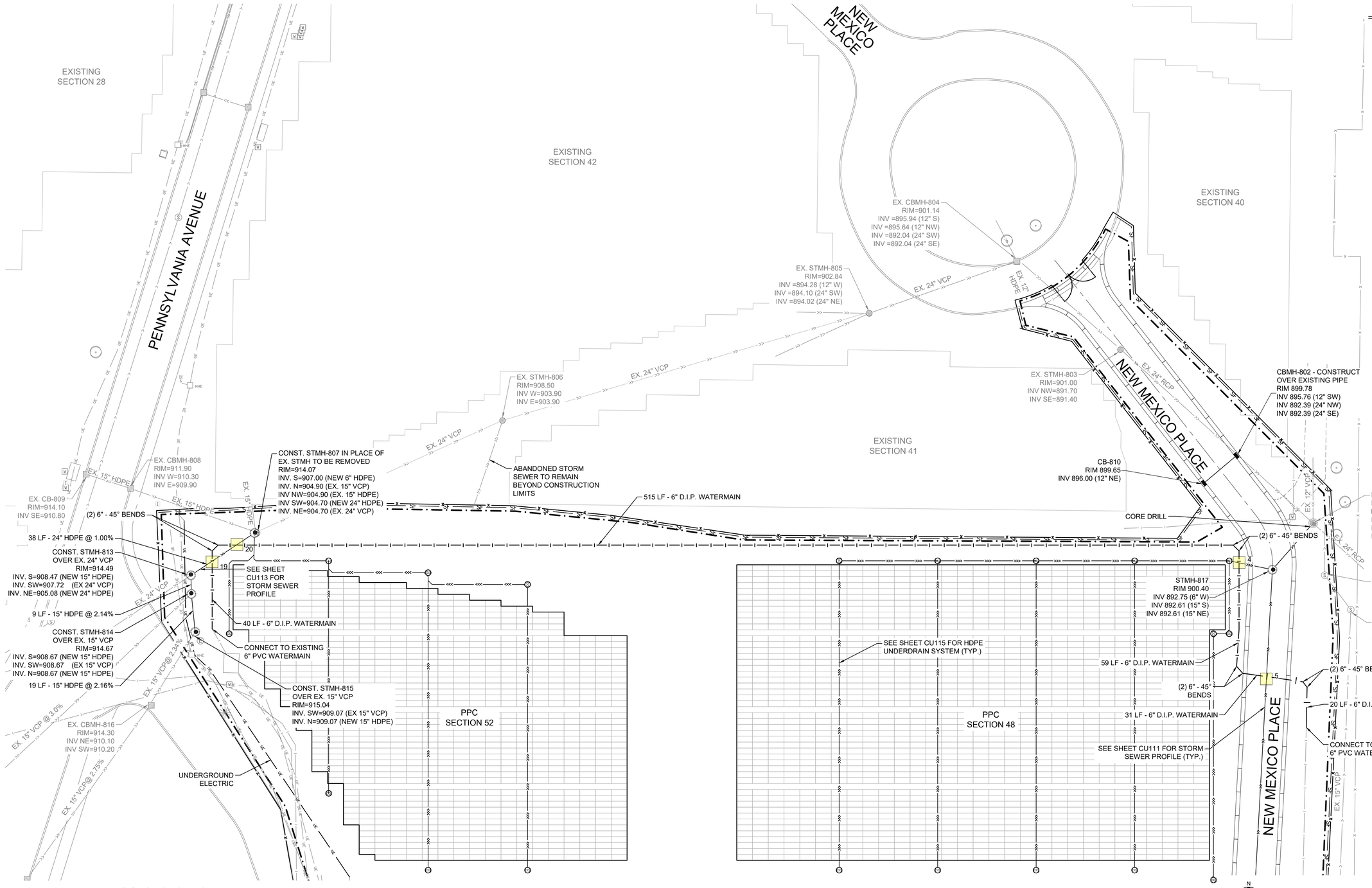
VA FORM 08 - 6231



1 UTILITY PLAN - PPC SECTIONS 48 & 52

SCALE: 1"=20'

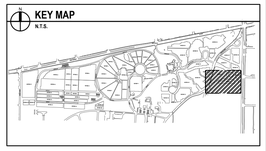
LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

GENERAL NOTES

1. STMH-812 WAS ELIMINATED DURING DESIGN. THERE IS NO STORM STRUCTURE NUMBER 812.
2. FIELD VERIFY ALL EX. INVERTS PRIOR TO SUBMITTING SHOP DRAWINGS FOR STRUCTURES NUMBER 807, 813, 814, AND 815.

KEY MAP



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	TERRACON	OCMI
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	JEFF DUNLAP, PE	KYLE VEATER

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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - PPC SECTIONS 48 & 52	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU108
			113 of 160

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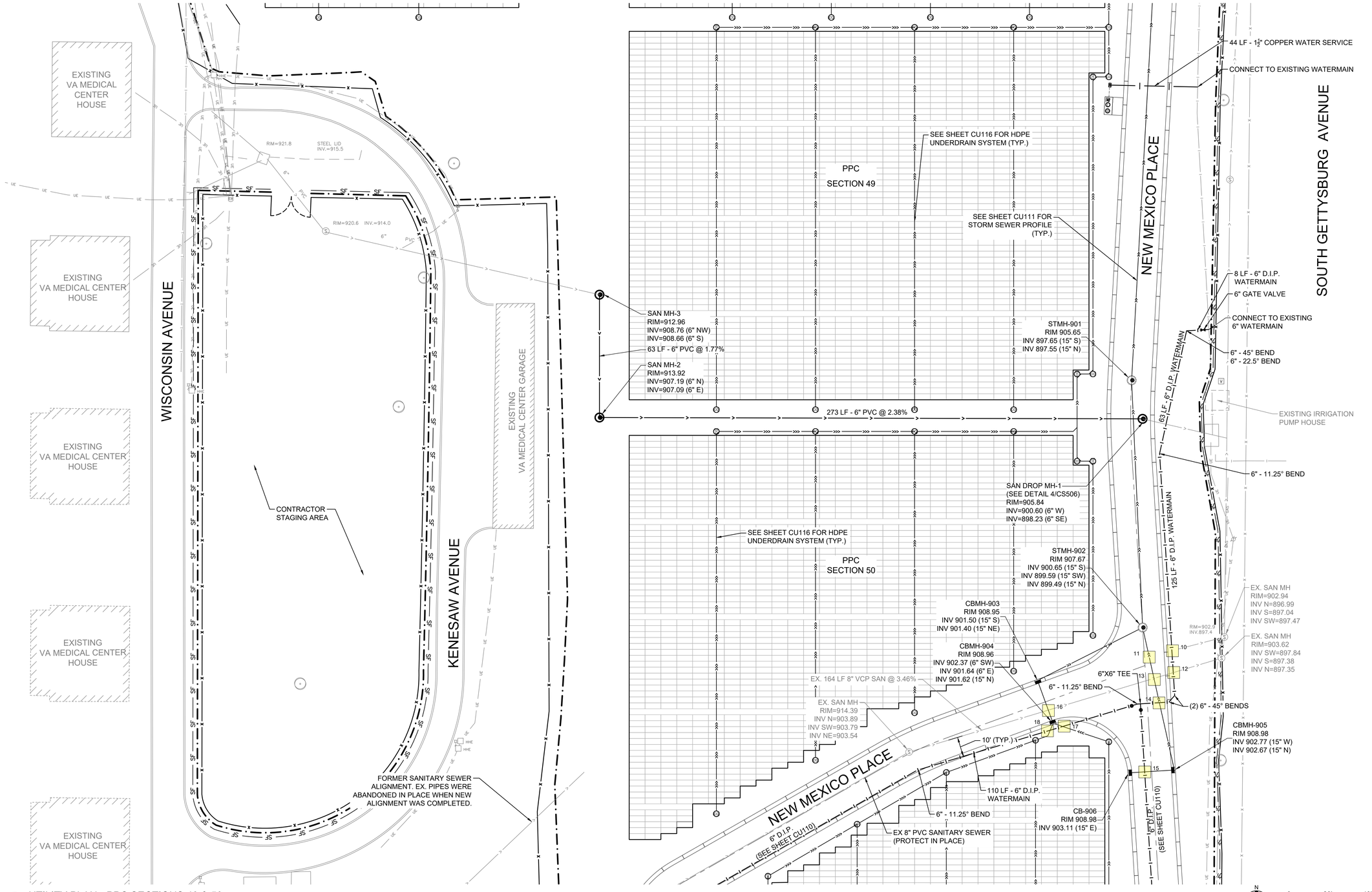

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - PPC SECTIONS 49 & 50

SCALE: 1"=20'

KEY MAP

N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
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TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

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Drawing Title	Phase	Project Title	Project Number
UTILITY PLAN - PPC SECTIONS 49 & 50	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU109
			114 of 160

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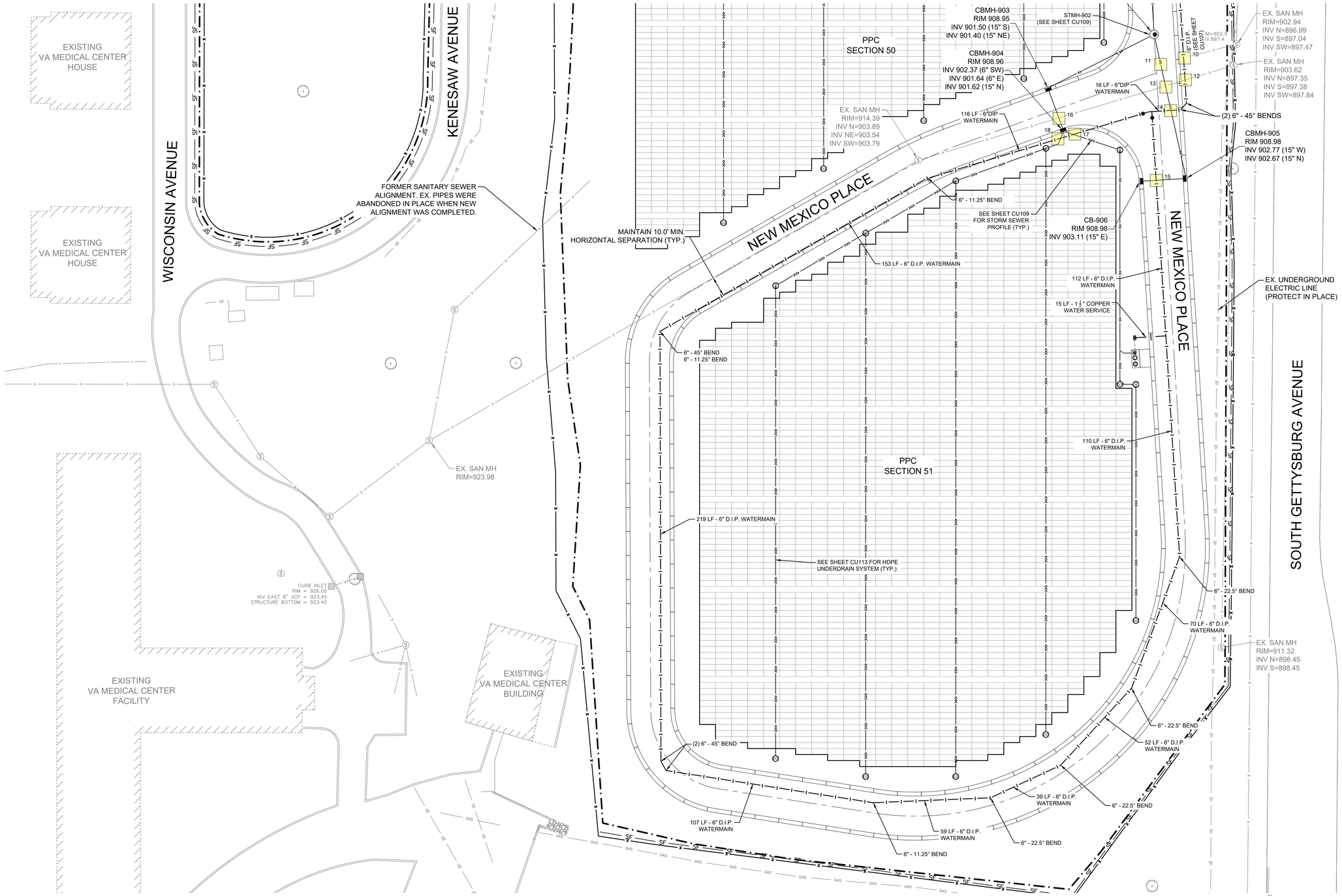

1 UTILITY PLAN - PPC SECTION 51
SCALE: 1"=20'

LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions: Date:

CONSULTANTS

IRRIGATION: WATER IN MOTION, INC. — 175 James Avenue North, Minneapolis, MN 55405, 952.229.1911 — TIMOTHY MALOOLY
GEOTECHNICAL: TERRACON — 611 Lunken Park Drive, Cincinnati, Ohio 45226, 513.612.9020 — JEFF DUNLAP, PE
COST ESTIMATING: OCMI — 2100 North Greenville Ave. Richardson, Texas 75082, 469.431.0571 — KYLE VEATER

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Drawing Title: UTILITY PLAN - PPC SECTION 51
Phase: BID DOCUMENTS
Approved: Project Director
Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION
Location: 4400 W THIRD ST, DAYTON, OH 45428
Issue Date: FEBRUARY 5, 2026
Checked:
Drawn:
Project Number: 810-CM3-033
Building Number: --
Drawing Number: CU110
115 of 160

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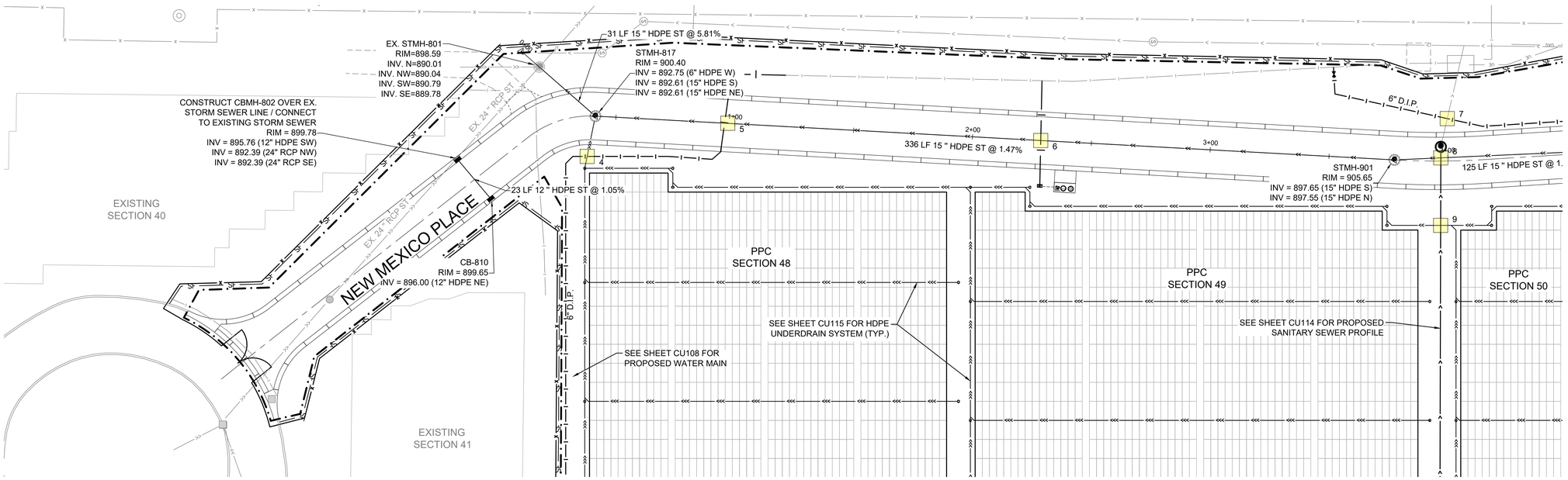


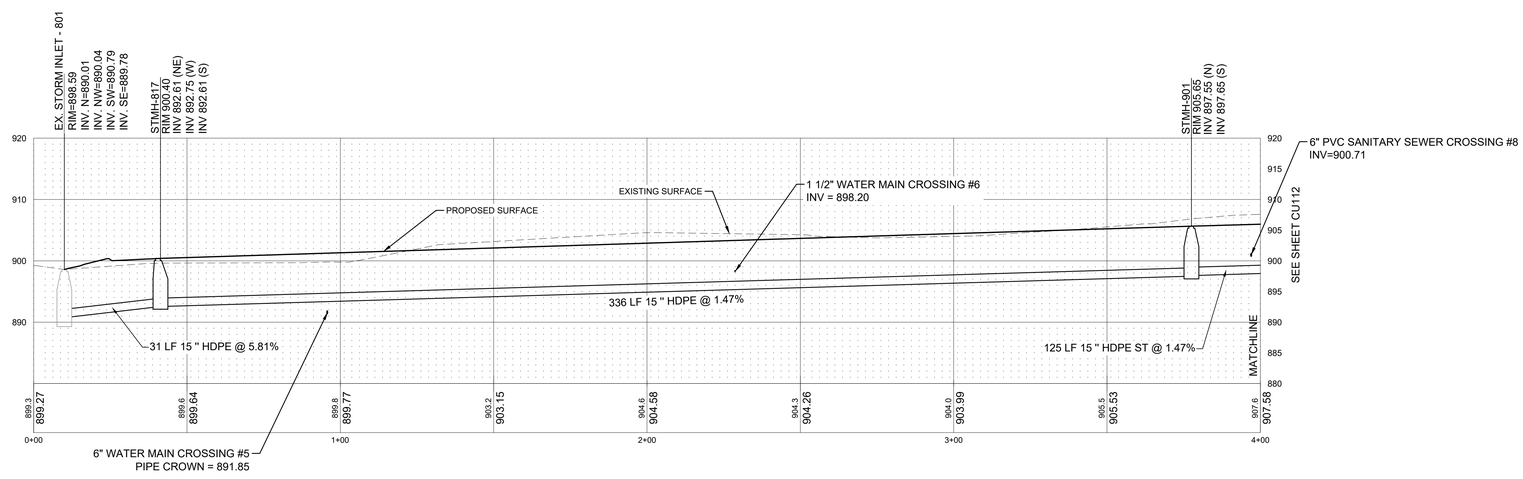
LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - STORM PLAN 1

SCALE:1"=20'

0 20' 40'



2 STORM SEWER PLAN & PROFILE - PPC SECTIONS 48 & 49

SCALE:H:1"=5' ; V:1"=8'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

STAMP

STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
STORM SEWER PLAN & PROFILE - PPC SECTIONS 48 & 49	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU111

VA FORM 08 - 6231

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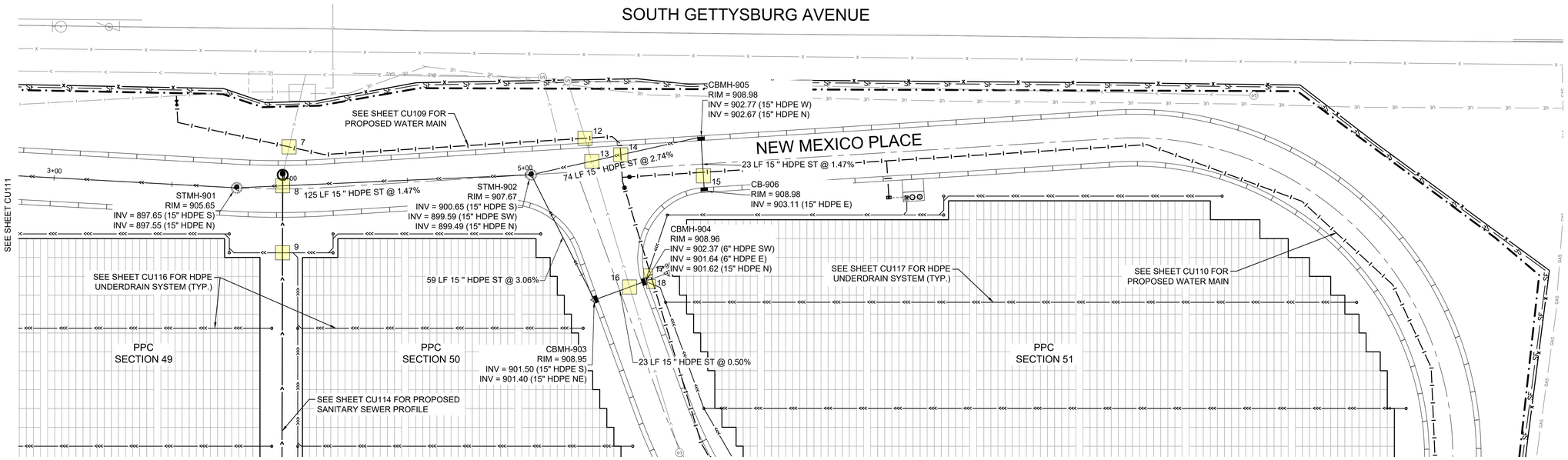


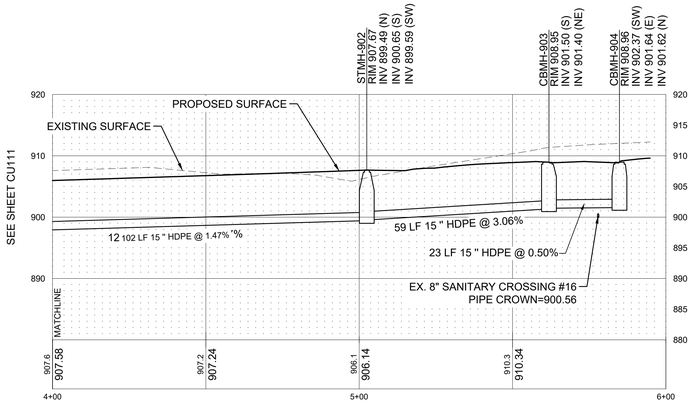
LEGEND

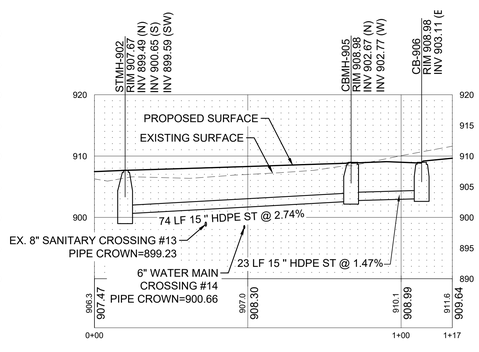
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - STORM PLAN VIEW 2

SCALE:1"=20'

N 0 20' 40'





2 STORM SEWER PLAN & PROFILE - PPC SECTIONS 50 & 51

SCALE:H:1"=5' ; V:1"=8'

UTILITY CROSSING COORDINATION

CROSSING	SHEET	ABOVE TYPE	ABOVE INV. (FT)	BELOW TYPE	BELOW CROWN (FT)	SEPERATION (FT)	NOTES:
1	CU101	EX.12" STORM	917.64	¾" WATER	916.14	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
2	CU106	EX. ELEC	927.47	¾" WATER	923.97	3.50	
3	CU106	EX. COMM	927.43	¾" WATER	923.93	3.50	
4	CU111	6" WATER	895.26	6" STORM	893.74	1.52	
5	CU111	15" STORM	893.35	6" WATER	891.85	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
6	CU111	1 ½" WATER	898.20	15"STORM	896.66	1.54	
7	CU111	6" WATER	900.12	EX. 6" SAN	898.28	1.84	
8	CU111	6" SAN	900.71	15" STORM	899.19	1.52	
9	CU111	6" SAN	901.38	6" STORM	899.54	1.84	
12	CU112	6" WATER	901.90	EX. 8" SAN	898.94	2.96	
13	CU112	15" STORM	901.37	EX. 8" SAN	899.13	2.24	
14	CU112	15" STORM	902.16	6" WATER	900.66	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
15	CU112	15" STORM	903.01	6" WATER	901.51	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
16	CU112	15" STORM	901.59	EX. 8" SAN	900.56	1.03	
17	CU112	6" STORM	902.18	6" WATER	900.68	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
18	CU112	6" STORM	902.89	6" WATER	901.39	1.50	LOWER WATER TO MAINTAIN MIN. 18" CLEARANCE
19	CU113	6" WATER	908.97	24" STORM	907.20	1.77	
20	CU113	6" WATER	908.79	24" STORM	907.00	1.79	
21	CU107	12" STORM	913.87	EX.18" SAN	909.34	4.53	
22	CU107	12" STORM	913.87	EX.24" SAN	909.68	4.19	
23	CU107	12" STORM	913.79	6" WATER	911.90	1.89	
24	CU107	4" STORM	916.30	6" WATER	912.80	3.50	
25	CU107	4" STORM	916.60	6" WATER	913.10	3.50	
26	CU105	NEW COMM	930.65	12" STORM	924.66	5.99	
27	CU105	NEW ELEC	930.34	12" STORM	924.60	5.74	
28	CU105	NEW ELEC	929.86	18" STORM	923.87	5.99	
29	CU105	NEW COMM	929.83	18" STORM	923.83	6.00	

NOTE: CROSSINGS #10 AND #11 WERE ELIMINATED FROM THE PROJECT DURING THE DESIGN STAGE.

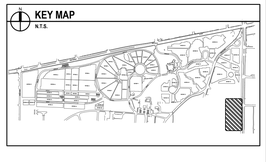
STORM STRUCTURE SCHEDULE

STRUCTURE NUMBER	SIZE	CASTING (NEENAH OR APPROVED EQUAL)
CBMH-101	54" ROUND	R-3067-V
STMH-308	48" ROUND	R-1642-D, SOLID, "STORM"
CBMH-401	54" ROUND	R-2651-A
CBMH-402	54" ROUND	R-2651-A
CBMH-403	54" ROUND	R-3067-V
CB-404	2' X 3' BOX	R-3067-V
CBMH-405	54" ROUND	R-3067-V
CB-406	2' X 3' BOX	R-3067-V
CBMH-702	54" ROUND	R-3067-V
CBMH-703	48" ROUND	R-2651-A
CBMH-802	54" ROUND	R-1642-D, SOLID, "STORM"
STMH-803	EX. 48" ROUND	R-1642-D, SOLID, "STORM"
STMH-807	84" ROUND	R-1642-D, SOLID, "STORM"
CB-810	2' X 3' BOX	R-1642-D, SOLID, "STORM"
STMH-813	60" ROUND	R-1642-D, SOLID, "STORM"
STMH-814	60" ROUND	R-1642-D, SOLID, "STORM"
STMH-815	48" ROUND	R-1642-D, SOLID, "STORM"
STMH-901	54" ROUND	R-1642-D, SOLID, "STORM"
STMH-902	54" ROUND	R-1642-D, SOLID, "STORM"
CBMH-903	54" ROUND	R-3067-V
CBMH-904	54" ROUND	R-3067-V
CBMH-905	54" ROUND	R-3067-V
CB-906	2' X 3' BOX	R-3067-V

SANITARY STRUCTURE SCHEDULE

STRUCTURE NUMBER	SIZE	CASTING (NEENAH OR APPROVED EQUAL)
MH-1	48" ROUND	R-1642-D, SOLID, "SANITARY"
MH-2	48" ROUND	R-1642-D, SOLID, "SANITARY"
MH-3	48" ROUND	R-1642-D, SOLID, "SANITARY"

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions: Date:

CONSULTANTS

IRRIGATION: WATER IN MOTION, INC. — 175 James Avenue North, Minneapolis, MN 55405, 952.229.1911 — TIMOTHY MALOOLY
GEOTECHNICAL: TERRACON — 611 Lunken Park Drive, Cincinnati, Ohio 45226, 513.612.9020 — JEFF DUNLAP, PE
COST ESTIMATING: OCMI — 2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571 — KYLE VEATER

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

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Office of Design and Construction Services
VA U.S. Department of Veterans Affairs

Drawing Title: STORM SEWER PLAN & PROFILE - PPC SECTIONS 50 & 51
Phase: BID DOCUMENTS
Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION
Project Number: 810-CM3-033
Building Number: --
Approved: Project Director
Location: 4400 W THIRD ST, DAYTON, OH 45428
Issue Date: FEBRUARY 5, 2026
Checked:
Drawn:
Drawing Number: CU112
117 of 160

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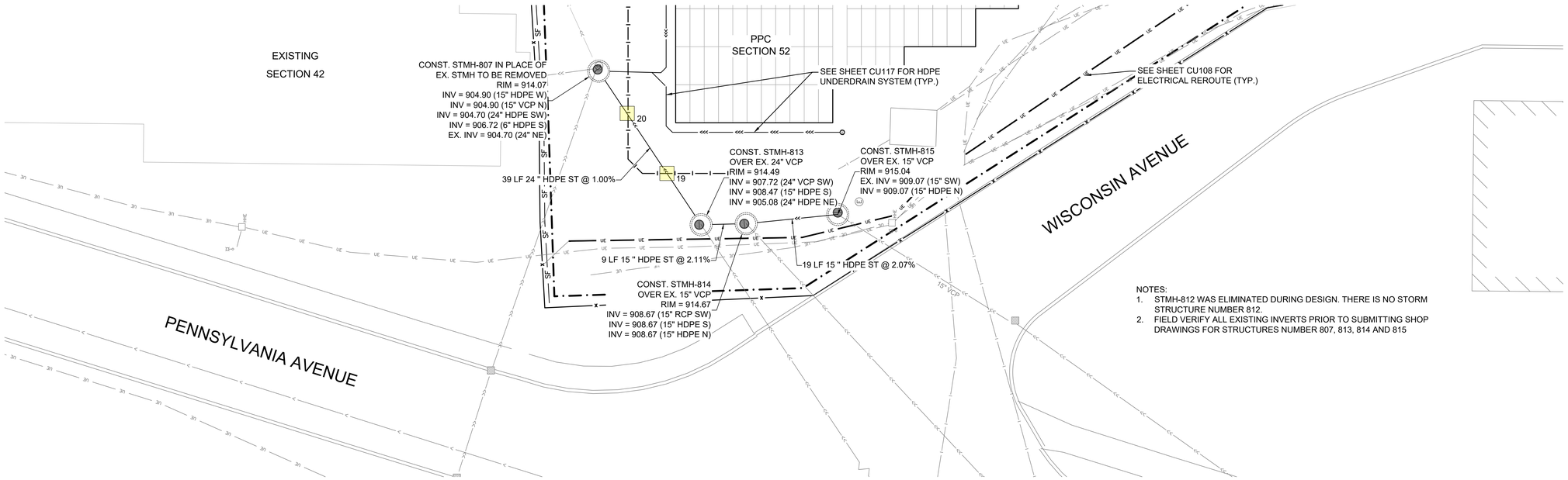
VA FORM 08 - 6231



NOTES:
1. STMH-812 WAS ELIMINATED DURING DESIGN. THERE IS NO STORM STRUCTURE NUMBER 812.
2. FIELD VERIFY ALL EXISTING INVERTS PRIOR TO SUBMITTING SHOP DRAWINGS FOR STRUCTURES NUMBER 807, 813, 814 AND 815

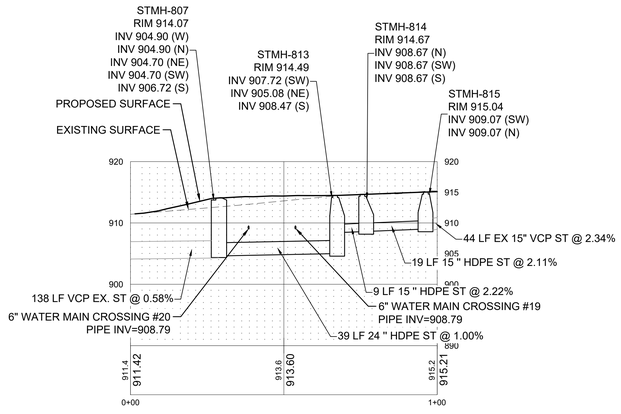
LEGEND

- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- NEW STORM SEWER
- NEW DRAIN TILE
- NEW STORM INLETS
- NEW ELECTRIC
- NEW WATERMAIN
- NEW GATE VALVE
- NEW SANITARY
- NEW SILT FENCE
- TEMPORARY FENCE
- UTILITY CROSSING (SEE DETAIL CU112)
- NEW CLEANOUT (SEE DETAIL 7/SHEET CS505)
- NEW GATE VALVE

1 UTILITY PLAN - STORM PLAN VIEW 3

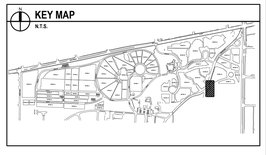
SCALE:1"=10'

N 0 10' 20'



2 STORM SEWER PLAN & PROFILE - PPC SECTION 52

SCALE:H:1"=5' ; V:1"=8'



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

STAMP

STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
STORM SEWER PLAN & PROFILE - PPC SECTION 52	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: DA	Drawing Number: CU113
			118 of 160

VA FORM 08 - 6231

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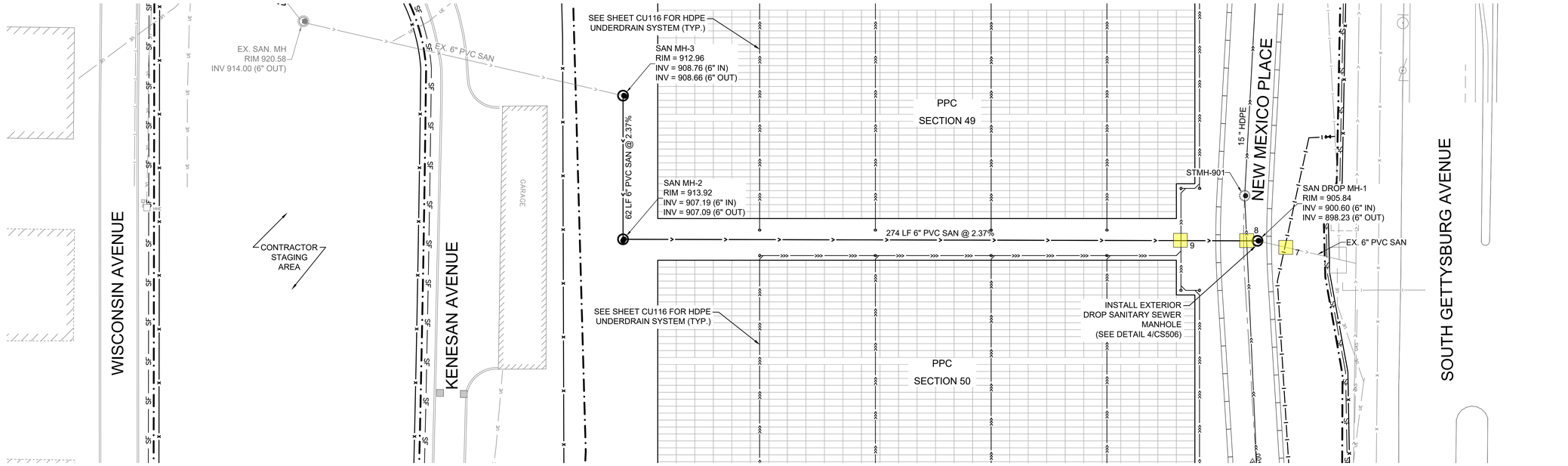


LEGEND

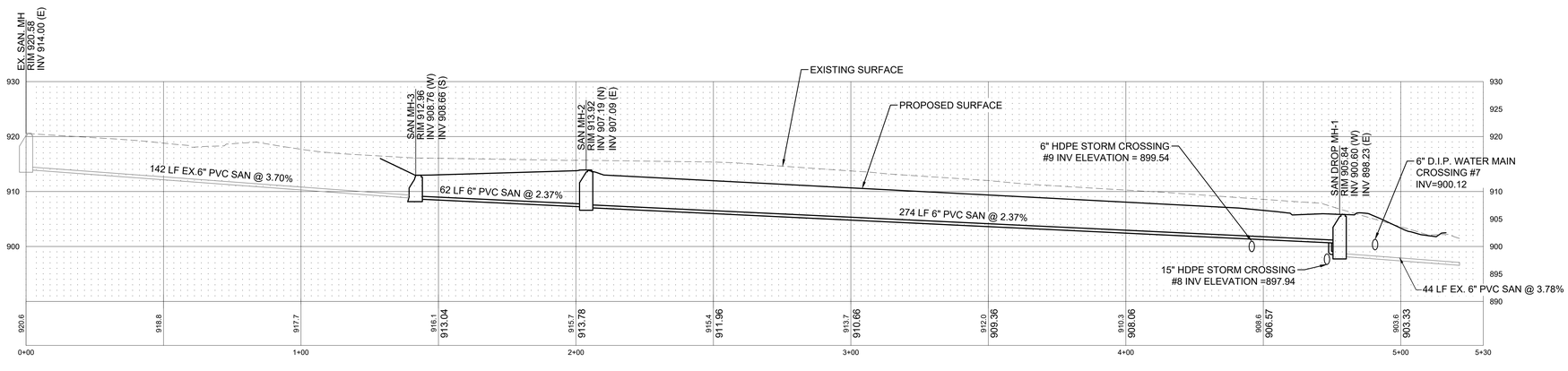
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING COMMUNICATIONS
- EXISTING OVERHEAD WIRE
- PROPOSED STORM SEWER
- PROPOSED DRAIN TILE
- PROPOSED STORM INLETS
- PROPOSED ELECTRIC
- PROPOSED WATERMAIN
- PROPOSED SANITARY
- UTILITY CROSSING (SEE TABLE ON CU112)

1 UTILITY PLAN - SANITARY SEWER PLAN 1

SCALE:1"=20'

N

0 20' 40'



2 SANITARY SEWER PLAN & PROFILES - PPC SECTIONS 49 & 50

SCALE:H:1"=5' ; V:1"=8'

KEY MAP
N.T.S.

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

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STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
SANITARY SEWER PLAN & PROFILES - PPC SECTIONS 49 & 50	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked / Drawn	Drawing Number: CU114

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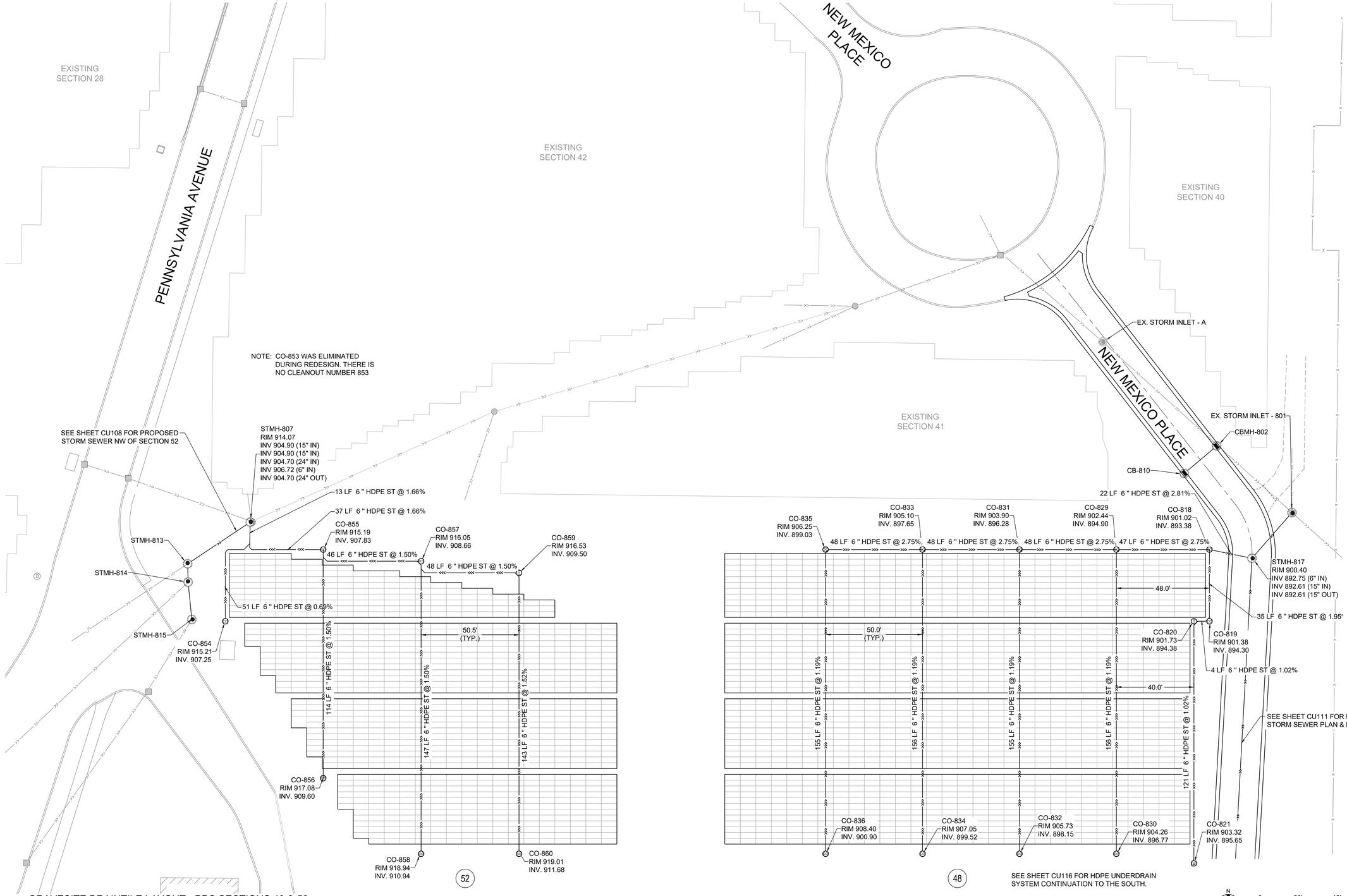


1 GRAVESITE DRAINTILE LAYOUT - PPC SECTIONS 48 & 52
SCALE: 1"=20'

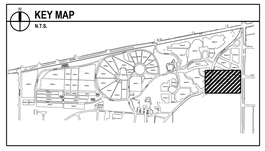
LEGEND

- ## SECTION NUMBER
- PERFORATED UNDERDRAIN
- STORM SEWER
- NEW CATCH BASIN
- NEW CLEANOUT

UTILITY NOTES

1. PROTECT ALL EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	TERRACON	OCMI
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	JEFF DUNLAP, PE	KYLE VEATER

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Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GRAVESITE DRAINTILE LAYOUT - PPC SECTIONS 48 & 52	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: SML	Drawing Number: CU115
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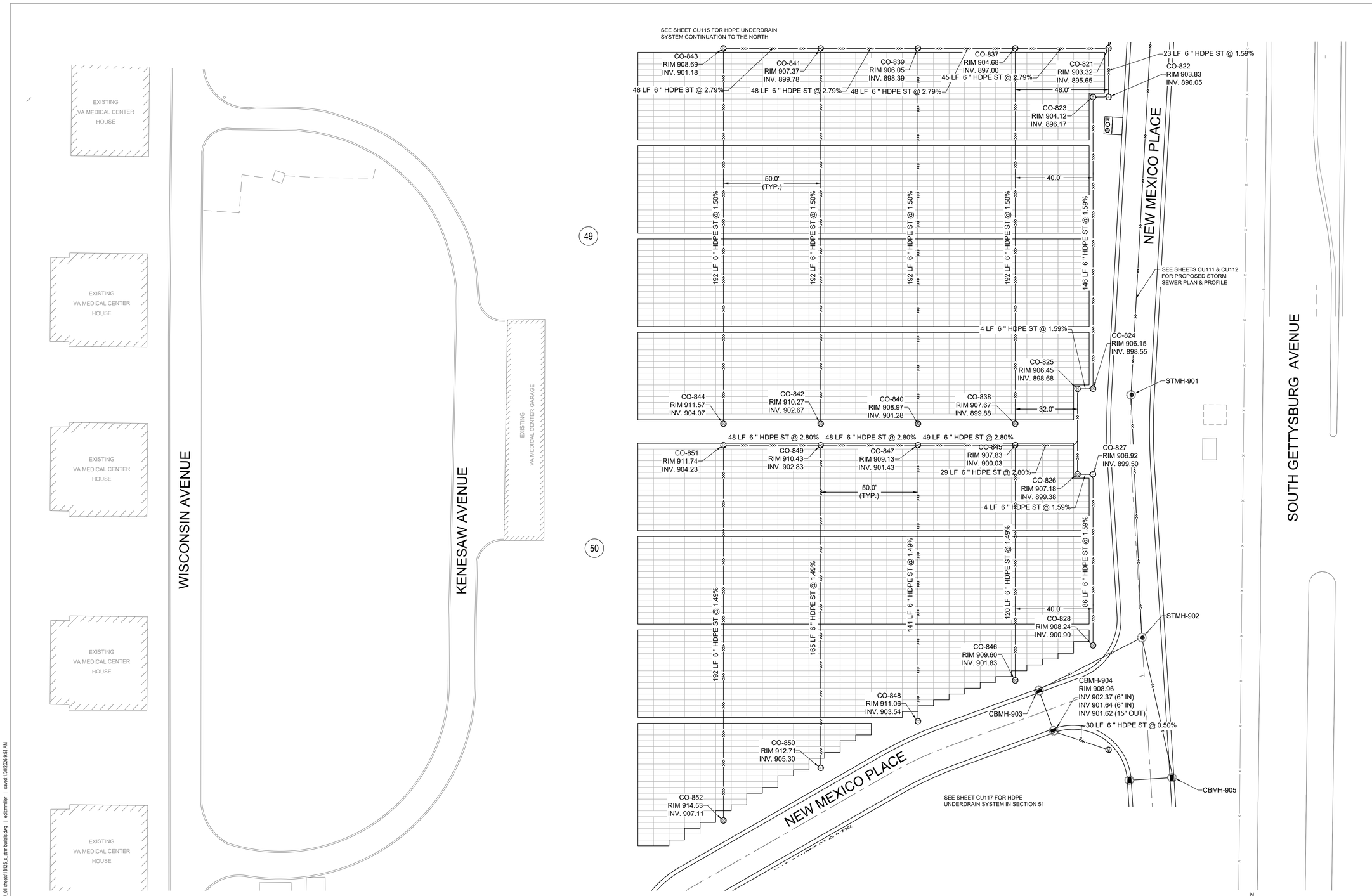


1 GRAVESITE DRAINTILE LAYOUT - PPC SECTIONS 49 & 50
SCALE: 1"=20'

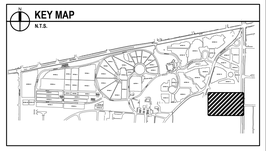
LEGEND

- ## SECTION NUMBER
- PERFORATED UNDERDRAIN
- STORM SEWER
- NEW CATCH BASIN
- NEW CLEANOUT

UTILITY NOTES

1. PROTECT ALL EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.

KEY MAP
N.T.S.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

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TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

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Anderson Engineering of Minnesota, LLC | Proj # 18125

STAMP
STATE OF OHIO ADAM THIELE E-92244 REGISTERED PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GRAVESITE DRAINTILE LAYOUT - PPC SECTIONS 49 & 50	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director			Building Number --
		Location 4400 W THIRD ST, DAYTON, OH 45428	Drawing Number
		Issue Date FEBRUARY 5, 2026 / Checked LRK / Drawn SML	CU116 121 of 160

VA FORM 08 - 6231

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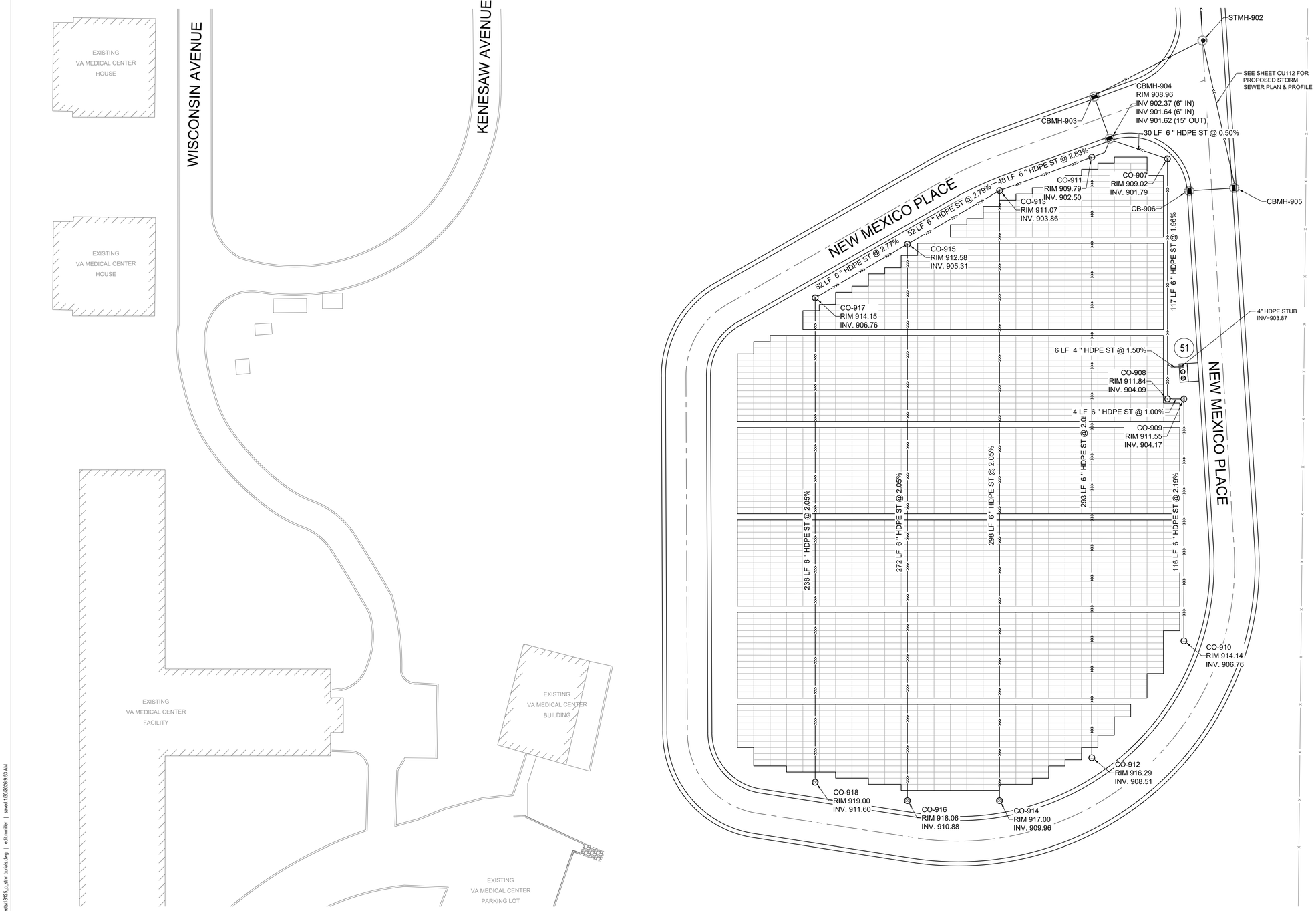


1 GRAVESITE DRAINTILE LAYOUT - PPC SECTION 51

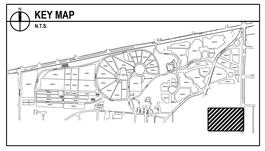
SCALE: 1"=20'

LEGEND

- ## SECTION NUMBER
- PERFORATED UNDERDRAIN
- STORM SEWER
- NEW CATCH BASIN
- NEW CLEANOUT

UTILITY NOTES

1. PROTECT ALL EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
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STATE OF OHIO
ADAM THIELE
E-92244
REGISTERED
PROFESSIONAL ENGINEER

Office of Design and Construction Services

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GRAVESITE DRAINTILE LAYOUT - PPC SECTION 51	BID DOCUMENTS	DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	810-CM3-033
Approved: Project Director		Location: 4400 W THIRD ST, DAYTON, OH 45428	Building Number: --
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: SML	Drawing Number: CU117
			122 of 160

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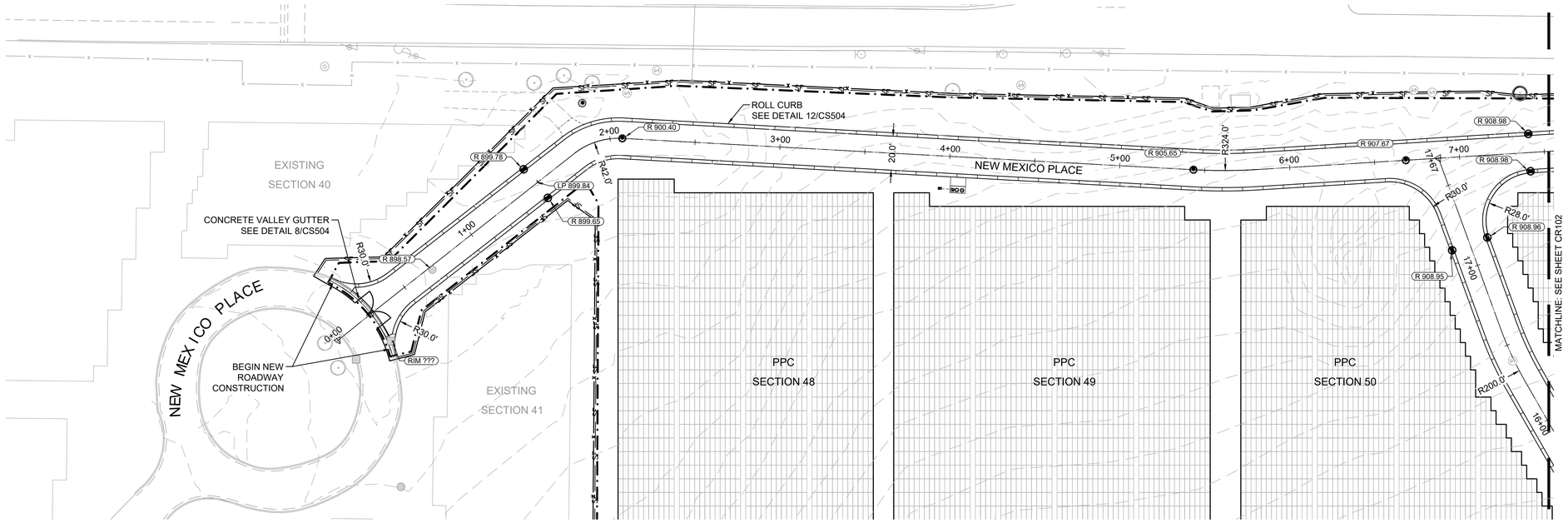
VA FORM 08 - 6231



1 PLAN VIEW - NEW MEXICO PLACE (STA. 0+00 - 7+50)

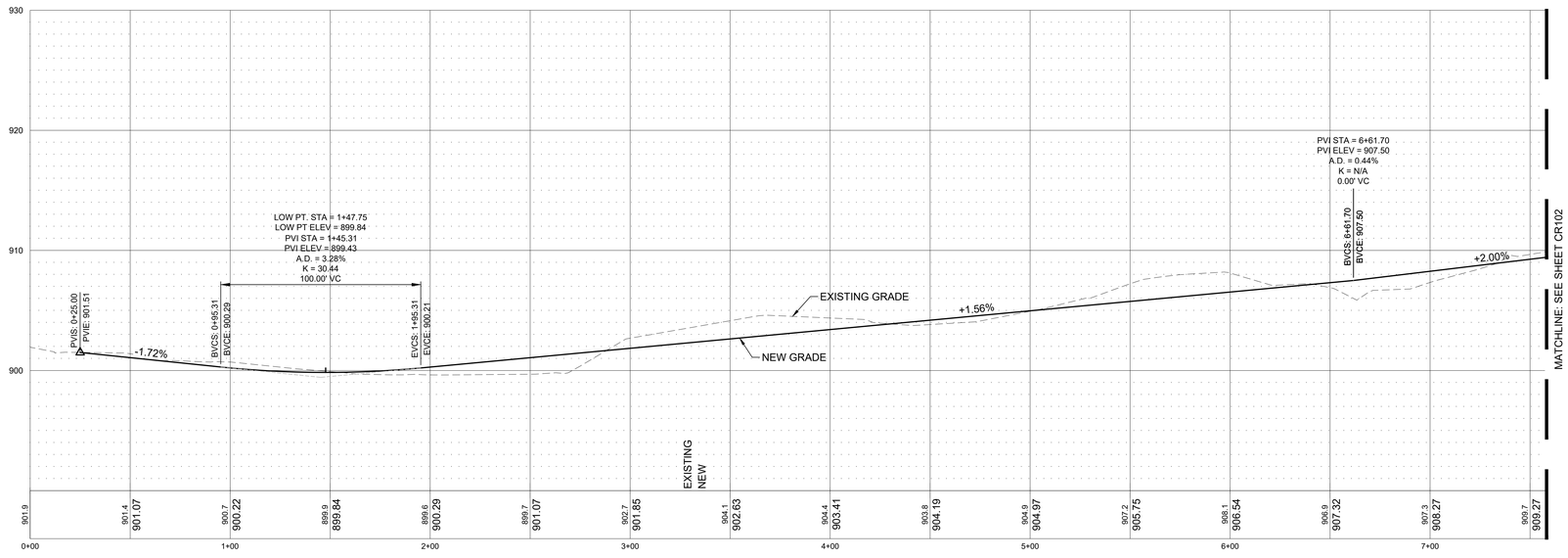
SCALE:1"=30'

0 30' 60'

LEGEND

	LIMITS OF CONSTRUCTION
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504

NOTE: ALL CURB RADII ARE PROVIDED TO BACK-OF-CURB.



2 PROFILE VIEW - NEW MEXICO PLACE (STA. 0+00 - 7+50)

SCALE:HORIZONTAL 1"=30' VERTICAL 1"=5'

0 30' 60'

BID DOCUMENTS

Revisions: Date:

CONSULTANTS

IRRIGATION
WATER IN MOTION, INC.
175 James Avenue North
Minneapolis, MN 55405
952.229.1911
TIMOTHY MALOOLY

GEOTECHNICAL
TERRACON
611 Lunken Park Drive
Cincinnati, Ohio 45226
513.612.9020
JEFF DUNLAP, PE

COST ESTIMATING
OCMI
2100 North Greenville
Ave. Richardson, Texas
75082 469.431.0571
KYLE VEATER

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

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Drawing Title: STREET PLAN & PROFILE - NEW MEXICO AVENUE 0+00 TO 7+50

Approved: Project Director

Phase: BID DOCUMENTS

Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION

Location: 4400 W THIRD ST, DAYTON, OH 45428

Issue Date: FEBRUARY 5, 2026 | Checked: LRK | Drawn: JPD

Project Number: 810-CM3-033

Building Number: --

Drawing Number: CR101

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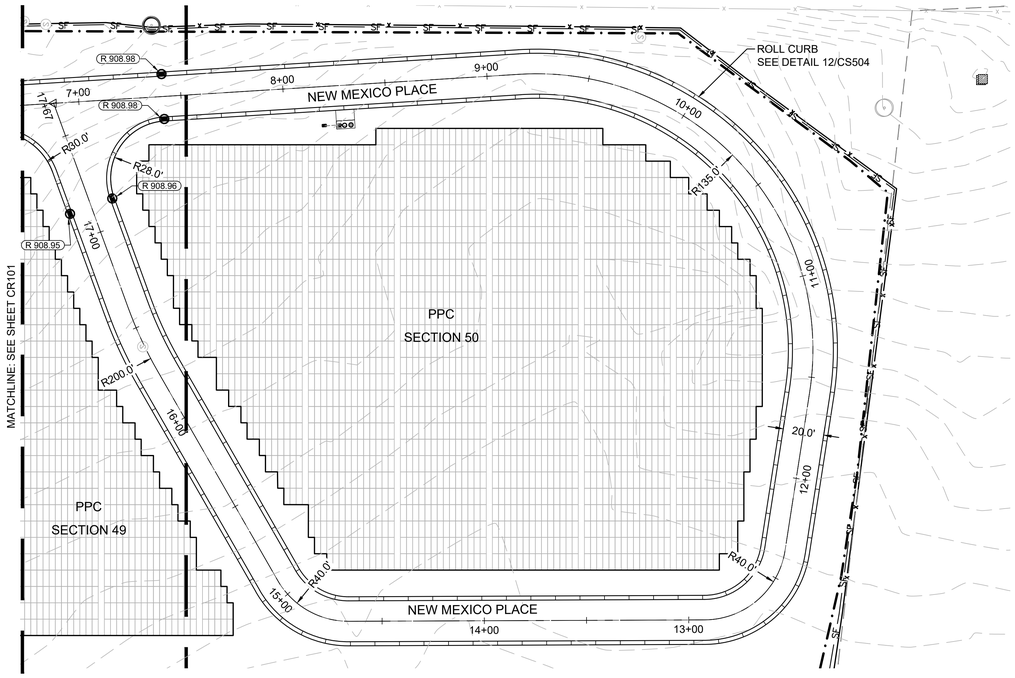


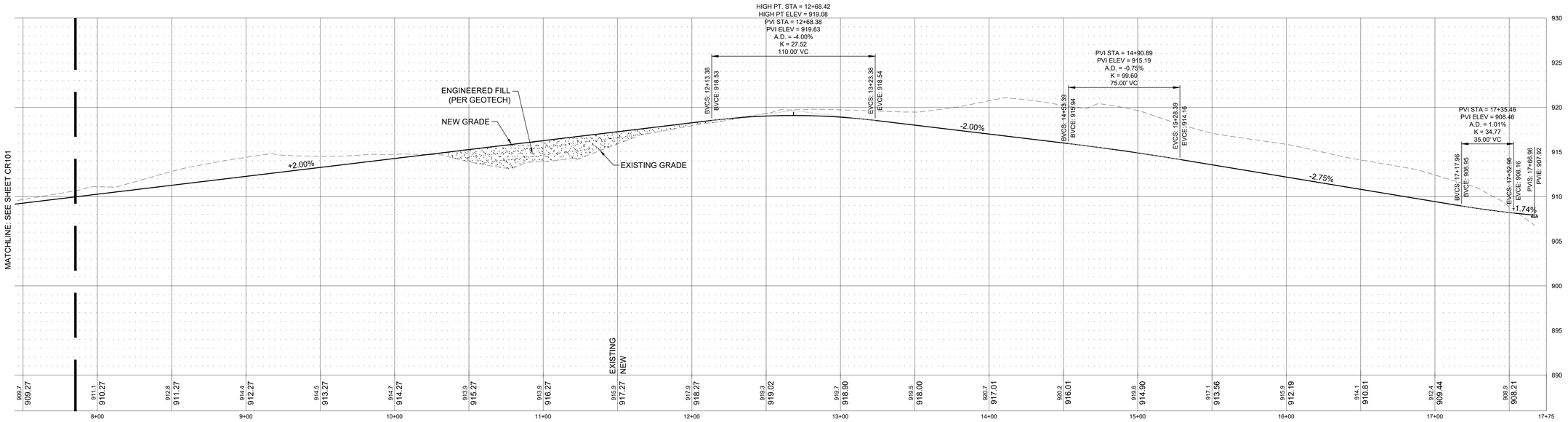
1 PLAN VIEW - NEW MEXICO AVE. (STA. 7+50 - 17+67)

SCALE:1"=30'

LEGEND

	LIMITS OF CONSTRUCTION
966	EXISTING MINOR CONTOUR
965	EXISTING MAJOR CONTOUR
966	NEW MINOR CONTOUR
965	NEW MAJOR CONTOUR
× 959.4	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	CONCRETE C&G
SF	SILT FENCE SEE DETAIL 1/CS504

NOTE: ALL CURB RADII ARE PROVIDED TO BACK-OF-CURB.



2 PROFILE VIEW - NEW MEXICO PLACE (STA. 7+50 - 17+67)

SCALE:HORIZONTAL 1"=30' VERTICAL 1"=5'

BID DOCUMENTS

Revisions:	Date:

CONSULTANTS

IRRIGATION	GEOTECHNICAL	COST ESTIMATING
WATER IN MOTION, INC.	**TERRACON**	**OCMI**
175 James Avenue North Minneapolis, MN 55405 952.229.1911	611 Lunken Park Drive Cincinnati, Ohio 45226 513.612.9020	2100 North Greenville Ave. Richardson, Texas 75082 469.431.0571
TIMOTHY MALOOLY	**JEFF DUNLAP, PE**	**KYLE VEATER**

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 18125

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Drawing Title: STREET PLAN & PROFILE - NEW MEXICO AVENUE 7+50 TO 17+51	Phase: BID DOCUMENTS	Project Title: DAYTON NATIONAL CEMETERY GRAVESITE EXPANSION	Project Number: 810-CM3-033
Approved: Project Director			Building Number: --
		Location: 4400 W THIRD ST, DAYTON, OH 45428	Drawing Number: CR102
		Issue Date: FEBRUARY 5, 2026 / Checked: LRK / Drawn: JPD	124 of 160

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