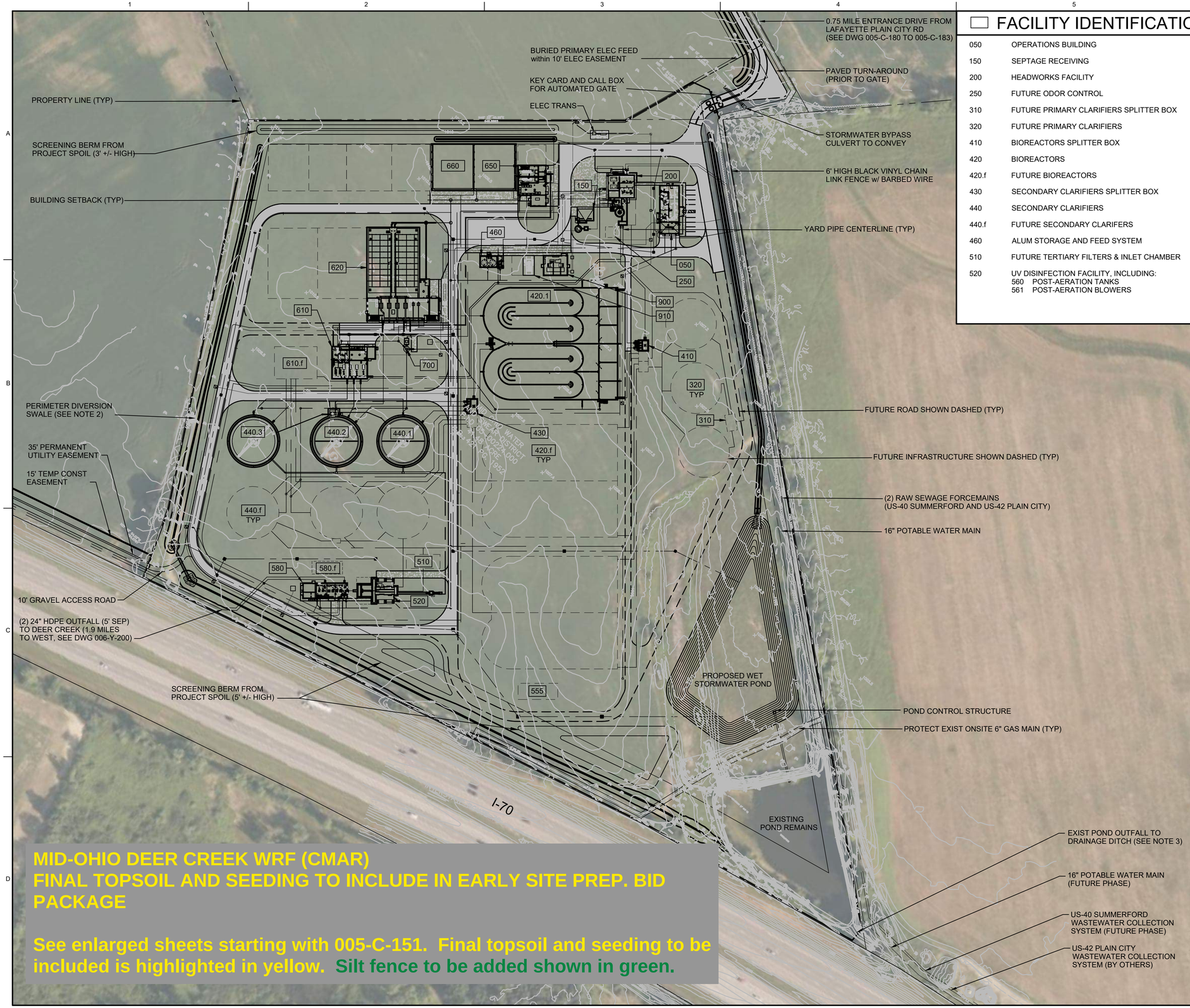


MID-OHIO DEER CREEK WRF (CMAR)
FINAL TOPSOIL AND SEEDING TO INCLUDE IN EARLY SITE PREP. BID PACKAGE

See enlarged sheets starting with 005-C-151. Final topsoil and seeding to be included is highlighted in yellow. Silt fence to be added shown in green.

FACILITY IDENTIFICATION

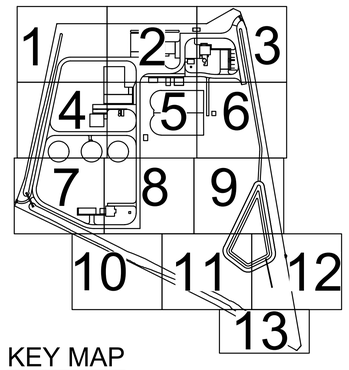
050	OPERATIONS BUILDING	555	FUTURE INDUSTRIAL WATER REUSE FACILITY
150	SEPTAGE RECEIVING	580	EFFLUENT PUMP STATION, INCLUDING: 530 EFFLUENT WATER REUSE PUMP STATION 531 SODIUM HYPOCHLORITE FEED
200	HEADWORKS FACILITY		
250	FUTURE ODOR CONTROL	580.f	FUTURE EFFLUENT PUMP STATION
310	FUTURE PRIMARY CLARIFIERS SPLITTER BOX	610	THICKENING FACILITY, INCLUDING 450 RAS PUMP STATION 610 WAS PUMP STATION
320	FUTURE PRIMARY CLARIFIERS		
410	BIOREACTORS SPLITTER BOX	610.f	FUTURE THICKENING FACILITY
420	BIOREACTORS	620	DIGESTION FACILITY, INCLUDING: 630 SLUDGE STORAGE TANK 640 FUTURE WATER SLUDGE TANK
420.f	FUTURE BIOREACTORS		
430	SECONDARY CLARIFIERS SPLITTER BOX	650	DEWATERING FACILITY
440	SECONDARY CLARIFIERS	660	CAKE STORAGE AND HANDLING FACILITY
440.f	FUTURE SECONDARY CLARIFERS	700	PLANT DRAIN PUMP STATION
460	ALUM STORAGE AND FEED SYSTEM	900	ELECTRIC BUILDING NO. 1
510	FUTURE TERTIARY FILTERS & INLET CHAMBER	910	GENERATOR NO. 1
520	UV DISINFECTION FACILITY, INCLUDING: 560 POST-AERATION TANKS 561 POST-AERATION BLOWERS		

N

0 100 200 300
Scale In Feet

NOTES

1. SEE DWG 005-C-100 FOR THE MASTER PLAN FOR THE DEER CREEK WRF AND COLLECTION SYSTEM. SEE DWG 005-Y-100 FOR THE OVERALL WRF YARD PIPING PLAN. SEE DWG 005-E-101 FOR THE OVERALL WRF ELECTRIC SITE PLAN.
2. SEE DWG 005-C-150 FOR THE EARLY SITE PACKAGE OVERALL PLAN. THE EARLY SITE PACKAGE PLAN INSTALLED THE ROUGH GRADING, STORMWATER SYSTEM, EROSION CONTROL, ENTRANCE ROAD, PRIMARY ELECTRIC FEED, AND PARTIAL INFRASTRUCTURE AND YARD PIPING FOR THE WRF.
3. A PERIMETER DIVERSION SWALE IS ALONG THE WEST AND SOUTH BOUNDARIES OF THE SITE. THE DIVERSION SWALE WILL COLLECT OFFSITE RUNOFF AND ROUTE IT TO THE EXISTING ONSITE POND, WHICH IS SIMILAR TO EXISTING CONDITIONS.
4. THE PROPOSED WET STORMWATER POND WILL COLLECT AND TREAT ONSITE RUNOFF. THE PROPOSED WET POND WILL DISCHARGE TO THE EXISTING ONSITE POND, SIMILAR TO EXISTING CONDITIONS. THE EXISTING ONSITE POND CURRENTLY DISCHARGES INTO A DRAINAGE DITCH AT THE SOUTHEAST CORNER OF THE SITE THAT DISCHARGES INTO A CULVERT UNDER I-70. THE STORMWATER SYSTEM WILL MAINTAIN EXISTING DRAINAGE PATTERNS AND DISCHARGE AT A RATE LESS THAN PRE-DEVELOPMENT CONDITIONS.



KEY MAP

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE		P MADEJ	J RAMOS			T MALONE

Jacobs

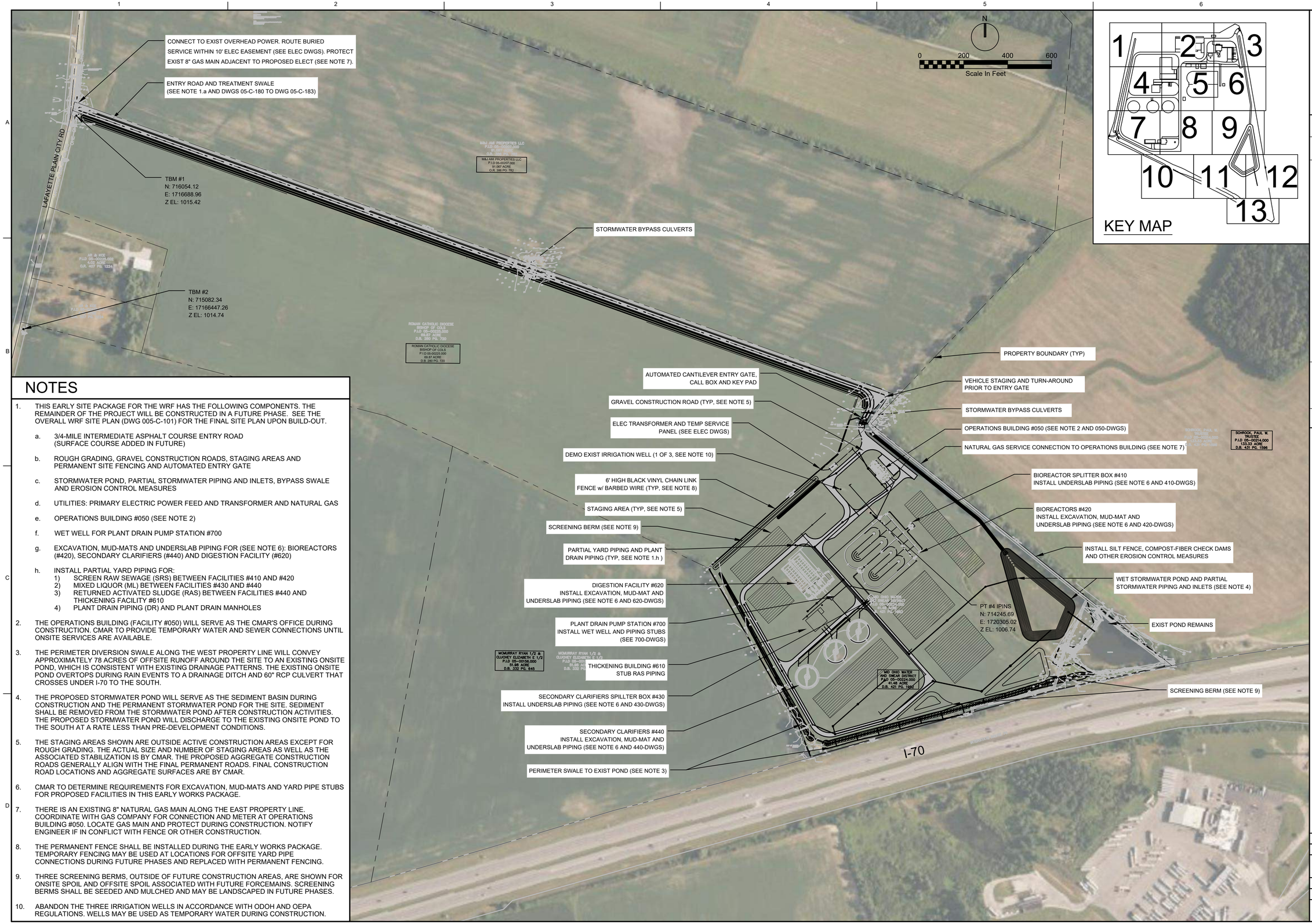
DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

CIVIL
OVERALL WRF SITE PLAN

1" = 100'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-101

PTI DOCUMENT



NOTES

1. THIS EARLY SITE PACKAGE FOR THE WRF HAS THE FOLLOWING COMPONENTS. THE REMAINDER OF THE PROJECT WILL BE CONSTRUCTED IN A FUTURE PHASE. SEE THE OVERALL WRF SITE PLAN (DWG 005-C-101) FOR THE FINAL SITE PLAN UPON BUILD-OUT.
   a. 3/4-MILE INTERMEDIATE ASPHALT COURSE ENTRY ROAD (SURFACE COURSE ADDED IN FUTURE)
   b. ROUGH GRADING, GRAVEL CONSTRUCTION ROADS, STAGING AREAS AND PERMANENT SITE FENCING AND AUTOMATED ENTRY GATE
   c. STORMWATER POND, PARTIAL STORMWATER PIPING AND INLETS, BYPASS SWALE AND EROSION CONTROL MEASURES
   d. UTILITIES: PRIMARY ELECTRIC POWER FEED AND TRANSFORMER AND NATURAL GAS
   e. OPERATIONS BUILDING #050 (SEE NOTE 2)
   f. WET WELL FOR PLANT DRAIN PUMP STATION #700
   g. EXCAVATION, MUD-MATS AND UNDERSLAB PIPING FOR (SEE NOTE 6): BIOREACTORS (#420), SECONDARY CLARIFIERS (#440) AND DIGESTION FACILITY (#620)
   h. INSTALL PARTIAL YARD PIPING FOR:
      1) SCREEN RAW SEWAGE (SRS) BETWEEN FACILITIES #410 AND #420
      2) MIXED LIQUOR (ML) BETWEEN FACILITIES #430 AND #440
      3) RETURNED ACTIVATED SLUDGE (RAS) BETWEEN FACILITIES #440 AND THICKENING FACILITY #610
      4) PLANT DRAIN PIPING (DR) AND PLANT DRAIN MANHOLES
2. THE OPERATIONS BUILDING (FACILITY #050) WILL SERVE AS THE CMAR'S OFFICE DURING CONSTRUCTION. CMAR TO PROVIDE TEMPORARY WATER AND SEWER CONNECTIONS UNTIL ONSITE SERVICES ARE AVAILABLE.
3. THE PERIMETER DIVERSION SWALE ALONG THE WEST PROPERTY LINE WILL CONVEY APPROXIMATELY 78 ACRES OF OFFSITE RUNOFF AROUND THE SITE TO AN EXISTING ONSITE POND, WHICH IS CONSISTENT WITH EXISTING DRAINAGE PATTERNS. THE EXISTING ONSITE POND OVERTOPS DURING RAIN EVENTS TO A DRAINAGE DITCH AND 60" RCP CULVERT THAT CROSSES UNDER I-70 TO THE SOUTH.
4. THE PROPOSED STORMWATER POND WILL SERVE AS THE SEDIMENT BASIN DURING CONSTRUCTION AND THE PERMANENT STORMWATER POND FOR THE SITE. SEDIMENT SHALL BE REMOVED FROM THE STORMWATER POND AFTER CONSTRUCTION ACTIVITIES. THE PROPOSED STORMWATER POND WILL DISCHARGE TO THE EXISTING ONSITE POND TO THE SOUTH AT A RATE LESS THAN PRE-DEVELOPMENT CONDITIONS.
5. THE STAGING AREAS SHOWN ARE OUTSIDE ACTIVE CONSTRUCTION AREAS EXCEPT FOR ROUGH GRADING. THE ACTUAL SIZE AND NUMBER OF STAGING AREAS AS WELL AS THE ASSOCIATED STABILIZATION IS BY CMAR. THE PROPOSED AGGREGATE CONSTRUCTION ROADS GENERALLY ALIGN WITH THE FINAL PERMANENT ROADS. FINAL CONSTRUCTION ROAD LOCATIONS AND AGGREGATE SURFACES ARE BY CMAR.
6. CMAR TO DETERMINE REQUIREMENTS FOR EXCAVATION, MUD-MATS AND YARD PIPE STUBS FOR PROPOSED FACILITIES IN THIS EARLY WORKS PACKAGE.
7. THERE IS AN EXISTING 8" NATURAL GAS MAIN ALONG THE EAST PROPERTY LINE. COORDINATE WITH GAS COMPANY FOR CONNECTION AND METER AT OPERATIONS BUILDING #050. LOCATE GAS MAIN AND PROTECT DURING CONSTRUCTION. NOTIFY ENGINEER IF IN CONFLICT WITH FENCE OR OTHER CONSTRUCTION.
8. THE PERMANENT FENCE SHALL BE INSTALLED DURING THE EARLY WORKS PACKAGE. TEMPORARY FENCING MAY BE USED AT LOCATIONS FOR OFFSITE YARD PIPE CONNECTIONS DURING FUTURE PHASES AND REPLACED WITH PERMANENT FENCING.
9. THREE SCREENING BERMS, OUTSIDE OF FUTURE CONSTRUCTION AREAS, ARE SHOWN FOR ONSITE SPOIL AND OFFSITE SPOIL ASSOCIATED WITH FUTURE FORCEMAINS. SCREENING BERMS SHALL BE SEEDED AND MULCHED AND MAY BE LANDSCAPED IN FUTURE PHASES.
10. ABANDON THE THREE IRRIGATION WELLS IN ACCORDANCE WITH ODOH AND OEPA REGULATIONS. WELLS MAY BE USED AS TEMPORARY WATER DURING CONSTRUCTION.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	P MEDEJ		J RAMOS		T MALONE	

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL

EARLY SITE PACKAGE OVERALL PLAN

1" = 200'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-150

PTI DOCUMENT

PROPERTY LINE (TYP)

SCREENING BERM FOR SPOILS (3 FT HIGH, 3:1 SIDE SLOPES & 2 FT WIDE TOP, SEED AND MULCH)

4' WIDE PEDESTRIAN GATE (MATCH FENCE STYLE)
3213-420

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH BARBED WIRE (TYP, 2.5 FT FROM NORTH AND WEST PROPERTY)
3213-410

SEED AND MULCH DISTURBED AREAS THROUGH-OUT CONSTRUCTION (TYP)

COMPOST FIBER CHECK DAM (100 FT SPACING, TYP)
3125-185

20' AGGREGATE CONSTRUCTION ROAD (SEE NOTE 3A &B)

347' - 18" STM-CPE @ 0.50% (SEE NOTES 2 & 5)

WEST PERIMETER DIVERSION SWALE TO CONVEY OFFSITE FLOW (SEE NOTE 3 ON DWG 005-C-150)

1
005-C-304

50' BUILDING SETBACK

20'

STAGING AREA 1
0.6 ACRES (SEE NOTE 4)

STAGING AREA 2
0.5 ACRES (SEE NOTE 4)

DIGESTION FACILITY #620
INSTALL EXCAVATION AND MUD-MAT (SEE 620-DWGS)

S1-151

MATCH LINE - SEE DWG 005-C-152

MATCH LINE - SEE DWG 005-C-154

0 20 40 60
Scale In Feet

NOTES

1. THE EARLY SITE PACKAGE GRADING GENERALLY COINCIDES WITH THE FINAL SITE AND ROAD GRADES AS ENVISIONED PRIOR TO THE 60% DESIGN LEVEL. CHANGES TO SITE GRADING, ROAD ELEVATIONS, AND THE STORMWATER SYSTEM MAY BE NEEDED IN FUTURE DESIGN PHASES.
2. THE STORMWATER STRUCTURE AND PLANT DRAIN MANHOLE SCHEDULE ARE SUBJECT TO CHANGE BASED ON POTENTIAL FUTURE REVISIONS. FINAL SCHEDULES FOR THE STORMWATER STRUCTURES AND PLAN DRAIN MANHOLES WILL BE RELEASED IN A FUTURE PHASE.

3A. THE PROPOSED AGGREGATE CONSTRUCTION ROADS GENERALLY ALIGN WITH THE FINAL PAVED ROADS. CONSTRUCTION ROAD LOCATIONS, AND AGGREGATE SURFACES TYPE AND THICKNESS ARE BY CMAR.

3B. FOR REFERENCE, THE FINAL PAVED ROAD PAVEMENT SECTION WILL CONSIST OF:

- 5 INCHES OF ASPHALT, ODOT ITEM 441
- 10 INCHES AGGREGATE BASE, ODOT ITEM 304
- 12 INCHES COMPACTED SUBGRADE

4. THE STAGING AREAS ARE OUTSIDE ACTIVE CONSTRUCTION AREAS EXCEPT FOR ROUGH GRADING. THE ACTUAL STAGING AREA LOCATION AND SIZE AND ASSOCIATED STABILIZATION ARE BY CMAR.
5. PRELIMINARY PIPE PROFILES FOR STORMWATER (STM) ARE ON DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.

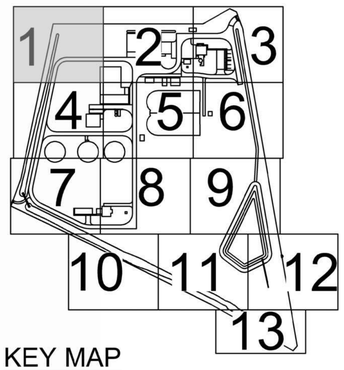
STORMWATER STRUCTURE SCHEDULE

NOTES

1. SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-151

CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1008.80
SE INV = 1001.50



KEY MAP

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	P MADEJ		J RAMOS			T MALONE

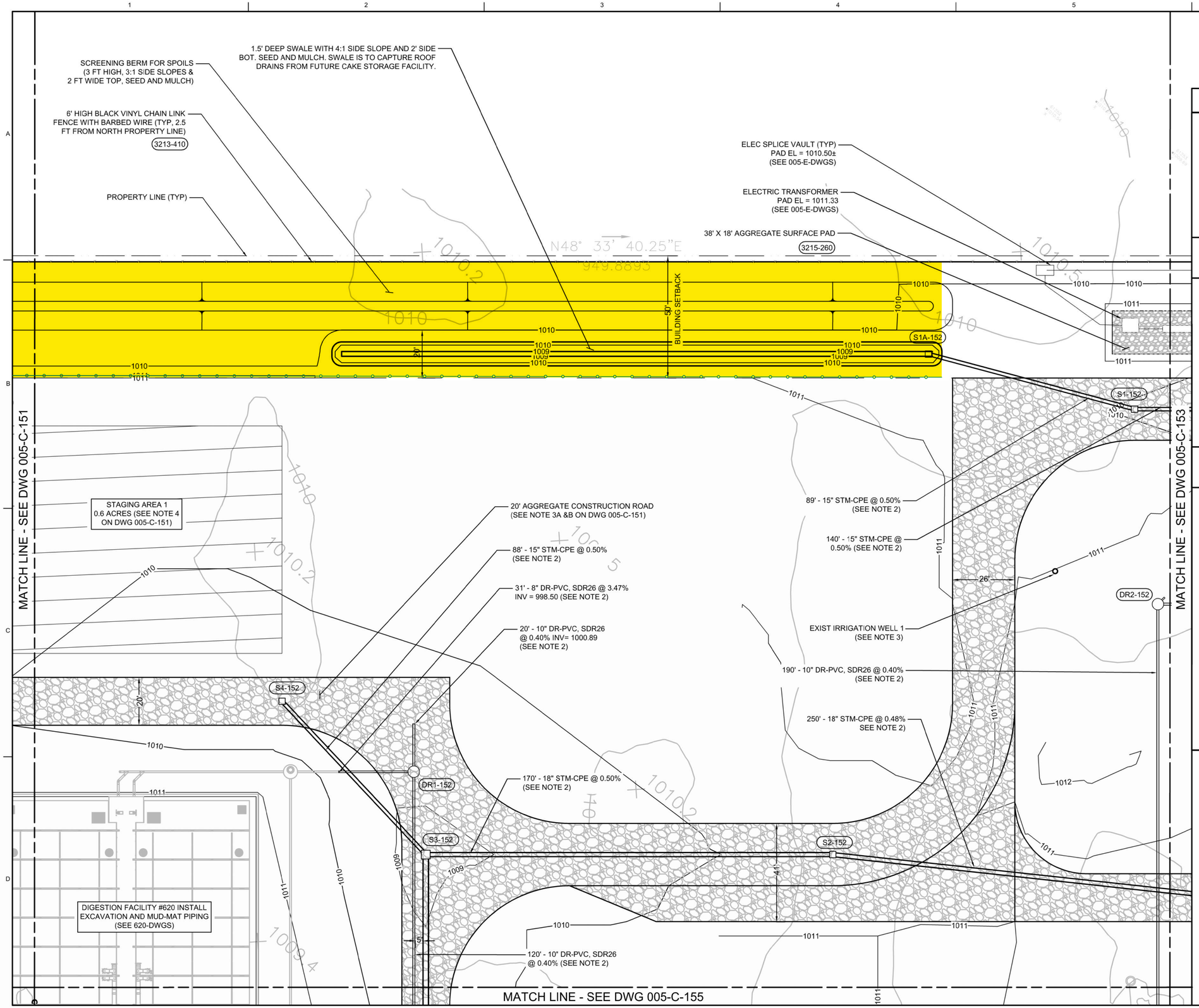
DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 1

	1" = 20'
	VERIFY SCALE
	BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"
DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-151

PTI DOCUMENT



0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. ABANDON IRRIGATION WELLS IN ACCORDANCE WITH ODOH AND OEPA REGULATIONS. WELLS MAY BE USED AS TEMPORARY WATER SUPPLY DURING CONSTRUCTION.

PLANT DRAIN MANHOLE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

DR1-152
4' DIA PRECAST MANHOLE
TYPE C MH
DETAIL 3305-710
TOP = 1009.22
NW INV = 1000.81*
SW INV = 996.85
SE INV = 996.75
* OUTSIDE DROP
DETAIL 3305-712

DR2-152
5' DIA PRECAST MANHOLE
TYPE C MH
DETAIL 3305-710
TOP = 1011.61
N INV = 1006.68
NE INV = 1005.73
SE INV = 1004.68

STORMWATER STRUCTURE SCHEDULE

NOTES

1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

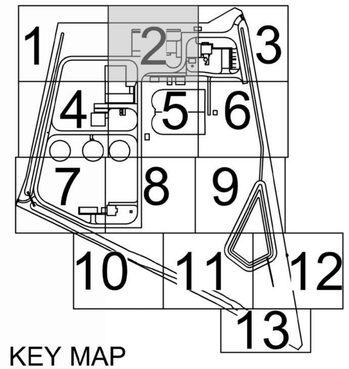
S1A-152
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1009.00
NE INV = 1002.56

S1-152
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1009.91
SW = 1002.11
NE INV = 1002.11

S2-152
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1010.45
E INV = 999.14
SW INV = 999.14

S3-152
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1008.70
NE INV = 999.81
W INV = 998.29
SE INV = 998.29

S4-152
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1009.23
E INV = 1000.25



KEY MAP

NO.	DATE	DSGN
	T MALONE	P MADEJ

DR CHK J RAMOS APVD T MALONE BY APRV

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

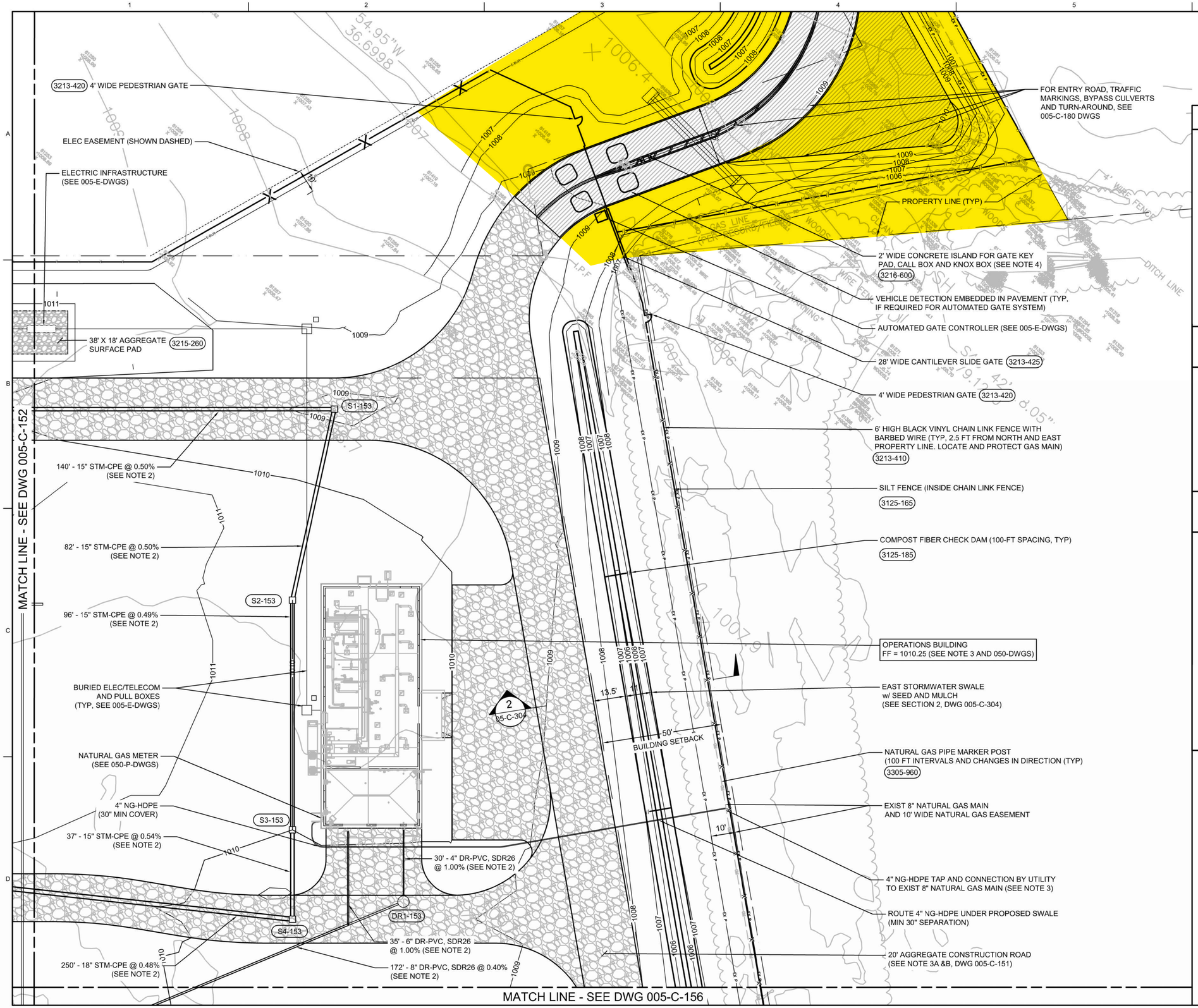
Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 2

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-152

PTI DOCUMENT



NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. THE OPERATIONS BUILDING (FACILITY #050) WILL SERVE AS THE CMAR'S OFFICE DURING CONSTRUCTION. CMAR TO PROVIDE TEMPORARY WATER AND SEWER CONNECTIONS UNTIL ONSITE SERVICES ARE AVAILABLE. ELECTRIC AND NATURAL GAS TO BE INSTALLED DURING THIS EARLY SITE PACKAGE.
4. SEE 005-E-DWGS FOR CONTROLS AND ELECTRIC FOR AUTOMATED CANTILEVER SLIDE GATE AND ASSOCIATED KEY PAD AND CALL BOX. KNOX BOX SHALL BE IN ACCORDANCE WITH MADISON COUNTY REQUIREMENTS.

PLANT DRAIN MANHOLE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

DR1-153
4' DIA PRECAST MANHOLE
TYPE C MH
DETAIL 3305-710
TOP = 1009.39
NW INV = 1004.71
SW INV = 1004.61

STORMWATER STRUCTURE SCHEDULE

NOTES

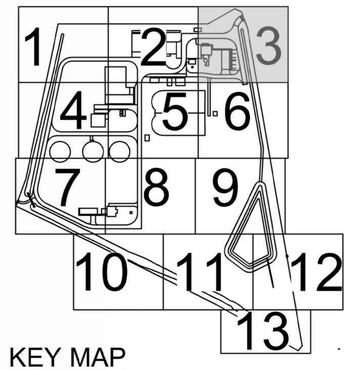
1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-153
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1008.86
SW INV = 1001.41
SE INV = 1001.41

S2-153
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1010.00
NW INV = 1001.00
SE INV = 1001.00

S3-153
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1010.00
NW INV = 1000.53
SE INV = 1000.53

S4-153
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1009.59
NW INV = 1000.33
SW INV = 1000.33



KEY MAP

NO.	DATE	DSGN	DR	CHK	P MADEJ	APVD	J RAMOS	BY	APRV
DSGN	T MALONE								T MALONE

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 3

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-153

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-151

PROPERTY LINE (TYP)

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH BARBED WIRE (2.5 FT FROM NORTH AND WEST PROPERTY LINE)
3213-410

50' BUILDING SETBACK

20' AGGREGATE CONSTRUCTION ROAD (SEE NOTE 3A &B ON DWG 005-C-151)

1
005-C-304

347' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

WEST PERIMETER DIVERSION SWALE TO CONVEY OFFSITE FLOW (SEE NOTE 3 ON DWG 005-C-150)

COMPOST FIBER CHECK DAM (100-FT SPACING, TYP)
3125-185

280' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

EROSION BLANKET OVER SWALE SHOWN CROSS-HATCHED. BLANKET TO EXTEND 2 FT (MIN) ABOVE SWALE BOTTOM.

STAGING AREA 2
0.5 ACRES (SEE NOTE 4 ON DWG 005-C-151)

DIGESTION FACILITY #620
INSTALL EXCAVATION AND MUD-MAT (SEE 620-DWGS)

55' - 15" STM-CPE @ 0.50% (SEE NOTE 2)

120' - 10" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)

S1-154

26' - 8" DR-PVC, SDR26 @ 0.40% INV = 1003.20 (SEE NOTE 2)

DR1-154

MATCH LINE - SEE DWG 005-C-155

SEE DWG 005-Y-220 FOR YARD PIPE PLAN FOR EARLY SITE PACKAGE SECONDARY CLARIFIERS

STUB RAS PIPING TO FUTURE THICKENING BUILDING (SEE NOTE 3 AND 610-DWGS)

S2-154

DR1-220

DR2-220

SECONDARY CLARIFIER NO. 3 (#440)
INSTALL EXCAVATION, MUD-MAT AND UNDERSLAB PIPING
(SEE 440-DWGS)

SECONDARY CLARIFIER NO. 2 (#440)
INSTALL EXCAVATION, MUD-MAT AND UNDERSLAB PIPING
(SEE 440-DWGS)

MATCH LINE - SEE DWG 005-C-157

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. YARD PIPING LAYOUT AND INVERTS FOR EARLY SITE PACKAGE, INCLUDING 30" ML AND 20" RAS, TO BE FINALIZED IN LATER PHASE.

PLANT DRAIN MANHOLE SCHEDULE

NOTE 1: SUBJECT TO CHANGE, SEE NOTE 2.

DR1-154
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1011.53
SW INV = 1003.10
NE INV = 1003.00
S INV = 1004.45
SE INV = 1004.45

STORMWATER STRUCTURE SCHEDULE

NOTES

1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-154
CATCH BASIN
ODOT SCD 2-3
TOP = 1011.41'
NE INV = 1000.42'

S2-154
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.80'
NW INV = 999.75'
SE INV = 999.75'

KEY MAP

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	P MADEJ		J RAMOS		T MALONE	

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

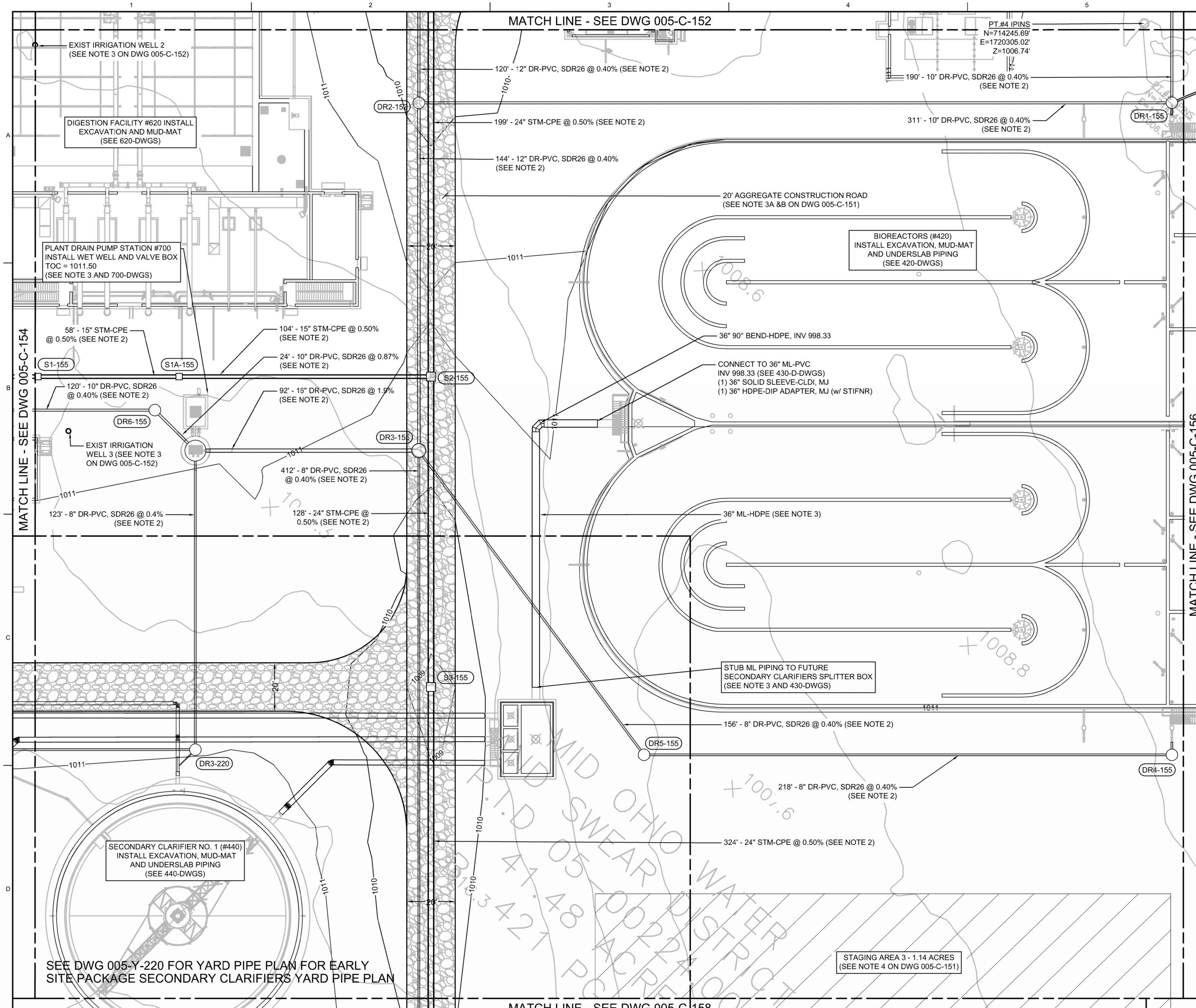
Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 4

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-154

PTI DOCUMENT



MATCH LINE - SEE DWG 005-C-152
EXIST IRRIGATION WELL 2 (SEE NOTE 3 ON DWG 005-C-152)
DIGESTION FACILITY #620 INSTALL EXCAVATION AND MUD-MAT (SEE 620-DWGS)
PLANT DRAIN PUMP STATION #700 INSTALL WET WELL AND VALVE BOX TOC = 1011.50 (SEE NOTE 3 AND 700-DWGS)
120' - 12" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
199' - 24" STM-CPE @ 0.50% (SEE NOTE 2)
144' - 12" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
PT.#4 IPINS N=714245.69' E=1720305.02' Z=1006.74'
190' - 10" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
311' - 10" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
20' AGGREGATE CONSTRUCTION ROAD (SEE NOTE 3A &B ON DWG 005-C-151)
BIOREACTORS (#420) INSTALL EXCAVATION, MUD-MAT AND UNDERSLAB PIPING (SEE 420-DWGS)
DR2-152
DR1-155
58' - 15" STM-CPE @ 0.50% (SEE NOTE 2)
104' - 15" STM-CPE @ 0.50% (SEE NOTE 2)
24' - 10" DR-PVC, SDR26 @ 0.87% (SEE NOTE 2)
92' - 18" DR-PVC, SDR26 @ 1.9% (SEE NOTE 2)
36" 90° BEND-HDPE, INV 998.33
CONNECT TO 36" ML-PVC INV 998.33 (SEE 430-D-DWGS) (1) 36" SOLID SLEEVE-CLDI, MJ (1) 36" HDPE-DIP ADAPTER, MJ (w/ STIFNR)
S1-155
S1A-155
S2-155
120' - 10" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
DR6-155
DR3-155
EXIST IRRIGATION WELL 3 (SEE NOTE 3 ON DWG 005-C-152)
412' - 8" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
123' - 8" DR-PVC, SDR26 @ 0.4% (SEE NOTE 2)
128' - 24" STM-CPE @ 0.50% (SEE NOTE 2)
36" ML-HDPE (SEE NOTE 3)
MATCH LINE - SEE DWG 005-C-154
MATCH LINE - SEE DWG 005-C-156
STUB ML PIPING TO FUTURE SECONDARY CLARIFIERS SPLITTER BOX (SEE NOTE 3 AND 430-DWGS)
S3-155
156' - 8" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
DR5-155
DR3-220
DR4-155
218' - 8" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)
324' - 24" STM-CPE @ 0.50% (SEE NOTE 2)
SECONDARY CLARIFIER NO. 1 (#440) INSTALL EXCAVATION, MUD-MAT AND UNDERSLAB PIPING (SEE 440-DWGS)
STAGING AREA 3 - 1.14 ACRES (SEE NOTE 4 ON DWG 005-C-151)
SEE DWG 005-Y-220 FOR YARD PIPE PLAN FOR EARLY SITE PACKAGE SECONDARY CLARIFIERS YARD PIPE PLAN
MATCH LINE - SEE DWG 005-C-158
0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. YARD PIPING LAYOUT AND INVERTS FOR EARLY SITE PACKAGE, INCLUDING 30" ML AND 20" RAS, TO BE FINALIZED IN LATER PHASE.

PLANT DRAIN MANHOLE SCHEDULE

SUBJECT TO CHANGE, SEE NOTE 2

DR1-155
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1010.86
NW INV = 1003.92 *
NE INV = 1003.92 *
SE INV = 1001.10 *
SW INV = 997.10
* OUTSIDE DROP DETAIL 3305-712

DR2-155
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1009.80
NE INV = 995.86
NW INV = 996.27
SE INV = 995.76

DR3-155
6' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1010.29
NW INV = 995.19
E INV = 995.19
SE INV = 995.19
SW INV = 995.09

DR4-155
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1010.73
NE INV = 1001.10
NW INV = 1001.00

DR5-155
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1010.73
NE INV = 1000.13
W INV = 995.82

DR6-155
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1011.27
SW INV = 1002.52
E INV = 1002.42

STORMWATER STRUCTURE SCHEDULE

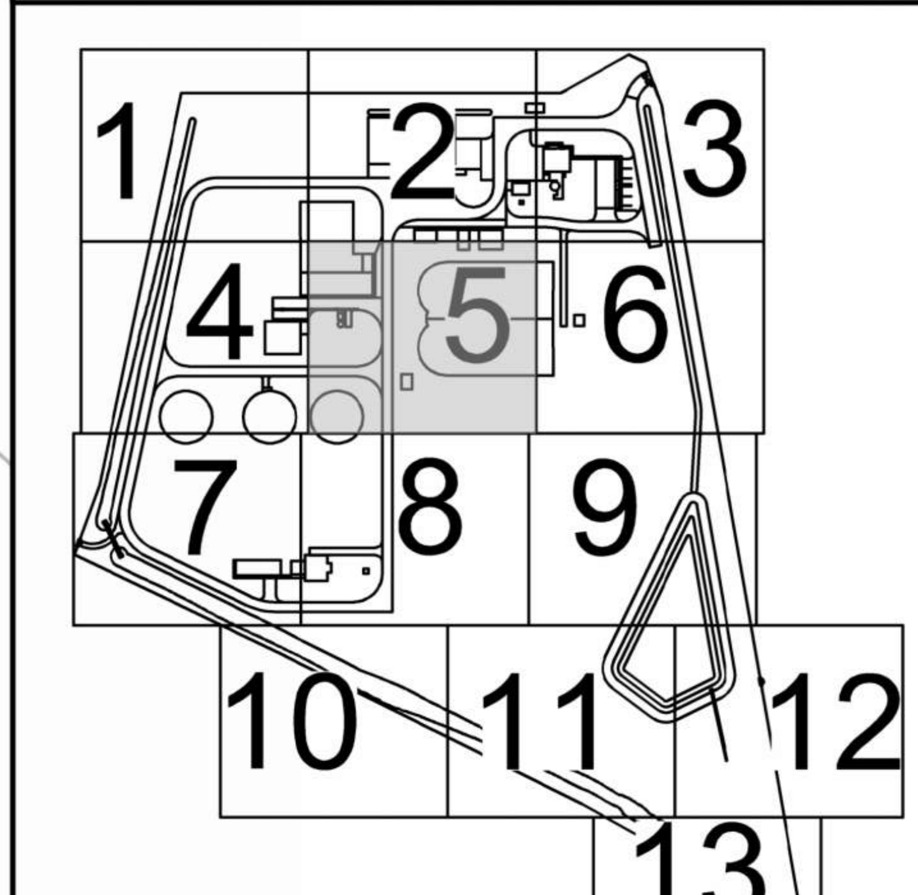
1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-155
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1011.48
SW INV = 1000.14
NE INV = 1000.14

S2-155
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1010.67
SW INV = 999.33
NW INV = 997.30
SE INV = 997.30

S1A-155
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1011.31
SW INV = 999.85
NE INV = 999.85

S3-155
CATCH BASIN
ODOT SCD 2-3
SEE DETAIL 3344-780
TOP = 1008.80
NW INV = 996.66
SE INV = 996.66



KEY MAP

NO.	DATE		BY	APRV

DSGN T MALONE | DR P MADEJ | CHK J RAMOS | APVD T MALONE

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 5

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/11
PROJ C6A24900
DWG 005-C-155

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-153

MATCH LINE - SEE DWG 005-C-155

MATCH LINE - SEE DWG 005-C-159

172' - 8" DR-PVC, SDR26 @ 0.40%
(SEE NOTE 2)

2
INV 998.85

1
INV 998.85

BIOREACTORS (#420)
INSTALL EXCAVATION, MUD-MAT
AND UNDERSLAB PIPING
(SEE 420-DWGS)

30" ML-HDPE (SEE NOTE 3)

1
INV 1001.46

2
INV 1001.46

STUB ML PIPING TO FUTURE
SECONDARY CLARIFIERS
SPLITTER BOX (SEE NOTE 3
AND 430-DWGS)

30" ML-HDPE (SEE NOTE 3)

2
INV 998.85

1
INV 998.85

STAGING AREA 4 - 1 ACRES
(SEE NOTE 4 ON DWG 005-C-151)

2
005-C-304

20' AGGREGATE CONSTRUCTION ROAD
(SEE NOTE 3A &B, DWG 005-C-151)

PROPERTY LINE (TYP)

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH
BARBED WIRE (TYP, 2.5 FT FROM EAST PROPERTY
LINE. LOCATE AND PROTECT GAS MAIN)
3213-410

SILT FENCE (INSIDE CHAIN LINK FENCE) 3125-165

COMPOST FIBER CHECK DAM (100-FT SPACING, TYP)
3125-185

13.5'
10'
EAST STORMWATER SWALE
(SEE SECTION 2, DWG 005-C-304)

50'
BUILDING SETBACK

NATURAL GAS PIPE MARKER POST
(100 FT INTERVALS AND CHANGES
IN DIRECTION, TYP)
3305-960

EXIST 8" NATURAL GAS MAIN
AND 10' WIDE NATURAL GAS EASEMENT

10'

EROSION BLANKET OVER SWALE
SHOWN CROSS-HATCHED.
BLANKET TO EXTEND 2 FT (MIN)
ABOVE SWALE BOTTOM.

BRUSH

0 20 40 60
Scale In Feet

NOTES

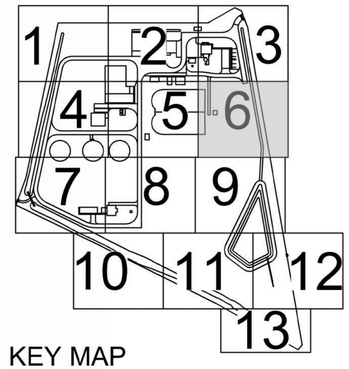
1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. YARD PIPING LAYOUT AND INVERTS FOR EARLY SITE PACKAGE, INCLUDING 30" SRS, TO BE FINALIZED IN LATER PHASE.

YARD PIPE FITTING SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

1	(1) 30" SOLID SLEEVE-CLDI, MJ (1) 30" HDPE-DIP ADAPTER, MJ (w/ STIFFENER)
2	30" 90° BEND-HDPE

KEY MAP



NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE		P MADEJ	J RAMOS			T MALONE

Jacobs

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 6

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-156

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-154

PROPERTY LINE (TYP)

20' AGGREGATE CONSTRUCTION ROAD (SEE NOTE 3A &B ON DWG 005-C-151)

WEST PERIMETER DIVERSION SWALE TO CONVEY OFFSITE FLOW (SEE NOTE 3 ON DWG 005-C-150)

1 / 05-C-304

COMPOST FIBER CHECK DAM (100-FT SPACING, TYP)

3125-185

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH BARBED WIRE (2.5 FT FROM WEST AND SOUTH PROPERTY LINE)

3213-410

EROSION BLANKET OVER SWALE SHOWN CROSS-HATCHED. BLANKET TO EXTEND 2 FT (MIN) ABOVE SWALE BOTTOM.

RIPRAP PROTECTION TYPE A (18-INCH) 20' x 17' x 30" DEEP

3215-170

SEE NOTE 3

(2) 75' - 24" STM-CPE @ 0.67% (FUTURE EFFLUENT MAINS ROUTED UNDER THESE CULVERTS)

12' WIDE DOUBLE SWING GATE (SEE NOTE 3)

3213-415

PROPERTY LINE & I-70 ROW (TYP)

RIPRAP PROTECTION TYPE A (18-INCH) 20' x 25' x 30" DEEP

3215-170

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH BARBED WIRE (2.5 FT FROM WEST AND SOUTH PROPERTY LINE)

3213-410

EXIST DOT 4' WIRE FENCE TO REMAIN (TYP)

EROSION BLANKET OVER SWALE SHOWN CROSS-HATCHED. BLANKET TO EXTEND 2 FT (MIN) ABOVE SWALE BOTTOM.

SOUTH PERIMETER DIVERSION SWALE TO CONVEY OFFSITE FLOW (SEE NOTE 3 ON DWG 005-C-150)

COMPOST FIBER CHECK DAM (100-FT SPACING, TYP)

3125-185

3 / 05-C-304

I-70

281' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

112' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

151' - 18" STM-CPE @ 0.51% (SEE NOTE 2)

164' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

38' - 18" STM-CPE @ 0.42% (SEE NOTE 2)

229' - 24" STM-CPE @ 0.50% (SEE NOTE 2)

15' - 8" DR-PVC, SDR26 @ 19.13% INV = 1005.87 (SEE NOTE 2)

273' - 8" DR-PVC, SDR26 @ 0.40% (SEE NOTE 2)

288' - 24" STM-CPE @ 0.50% (SEE NOTE 2)

S1-157 S2-157 S3-157 S4-157 S5-157 S6-157 S7-157 DR1-157

SECONDARY CLARIFIER NO. 2 & 3 (#440) INSTALL EXCAVATION, MUD-MAT AND UNDERSLAB PIPING (SEE 440-DWGS)

STAGING AREA 5 - 1 ACRE (SEE NOTE 4 ON DWG 005-C-151)

BUILDING SETBACK

20'

MATCH LINE - SEE DWG 005-C-158

MATCH LINE - SEE DWG 005-C-160

N

0 20 40 60

Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. FUTURE EFFLUENT MAINS WILL BE ROUTED THROUGH THE SOUTH WEST PROPERTY CORNER. TEMPORARY FENCE MAY BE INSTALLED DURING THIS PHASE AND REPLACED WITH PERMANENT FENCING AFTER EFFLUENT MAIN INSTALLATION.

PLANT DRAIN MANHOLE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

DR1-157
4' DIA PRECAST MANHOLE
TYPE C MH, DETAIL 3305-710
TOP = 1009.04
NW INV = 1003.00*
NE INV = 998.66
* OUTSIDE DROP DETAIL
3305-712

STORMWATER STRUCTURE SCHEDULE

NOTES

1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-157
CATCH BASIN
ODOT SCD 2-3
TOP = 1009.43
NW INV = 998.36
SE INV = 998.36

S2-157
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.73
NE INV = 998.73
SW INV = 998.73

S3-157
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.25
NE INV = 997.96
SE INV = 997.96

S4-157
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.80
NE INV = 997.80
NW INV = 997.80
E INV = 997.80

S5-157
CATCH BASIN
ODOT SCD 2-3
TOP = 1007.65
W INV = 996.65
NE INV = 996.65

S6-157
HALF-HEIGHT HEADWALL
ODOT SCD HW-2.1
w/ CONC SLAB
INV = 1005.50

S7-157
HALF-HEIGHT HEADWALL
ODOT SCD HW-2.1
w/ CONC SLAB
INV = 1005.00

KEY MAP

1 2 3 4 5 6 7 8 9 10 11 12 13

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE		P MADEJ	J RAMOS			T MALONE

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 7

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-157

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-155

20' AGGREGATE CONSTRUCTION ROAD
(SEE NOTE 3A &B ON DWG 005-C-151)

SECONDARY CLARIFIER NO. 1 (#440)
INSTALL EXCAVATION, MUD-MAT
AND UNDERSLAB PIPING
(SEE 440-DWGS)

324' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

20'

STAGING AREA 4 - 1 ACRE
(SEE NOTE 4 ON DWG 005-C-151)

412' - 8" DR-PVC, SDR26 @ 0.40%
(SEE NOTE 2)

STAGING AREA 3 - 1 ACRE
(SEE NOTE 4 ON DWG 005-C-151)

1010

1010

31' - 8" DR-PVC, SDR26 @ 0.40%
INV = 998.12 (SEE NOTE 2)

232' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

DR2-158

232' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

S2-158

S1-158

129' - 8" DR-PVC, SDR26 @ 0.40%
(SEE NOTE 2)

MATCH LINE - SEE DWG 005-C-157

S3-158

1009

164' - 18" STM-CPE @ 0.50% (SEE NOTE 2)

1009

1009

1009

1009

1009

MATCH LINE - SEE DWG 005-C-159

STAGING AREA 6 - 1 ACRE
(SEE NOTE 4 ON DWG 005-C-151)

DR1-158

273' - 8" DR-PVC, SDR26 @ 0.40%
(SEE NOTE 2)

288' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

S4-158

20'

226' - 24" STM-CPE
@ 0.49% (SEE NOTE 2)

1008

SCREENING BERM FOR SPOILS
(4 FT HIGH 4:1 SIDE SLOPES,
SEED AND MULCH)

1008

MATCH LINE - SEE DWG 005-C-160

MATCH LINE - SEE DWG 005-C-161

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.

PLANT DRAIN MANHOLE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

DR1-158
4' DIA PRECAST MANHOLE
TYPE C MH
DETAIL 3305-710
TOP = 1008.34
SW INV = 997.56
NW INV = 997.45

DR2-158
4' DIA PRECAST MANHOLE
TYPE C MH
DETAIL 3305-710
TOP = 1009.71
NE INV = 998.00
SE INV = 996.94
NW INV = 996.84

STORMWATER STRUCTURE SCHEDULE

NOTES

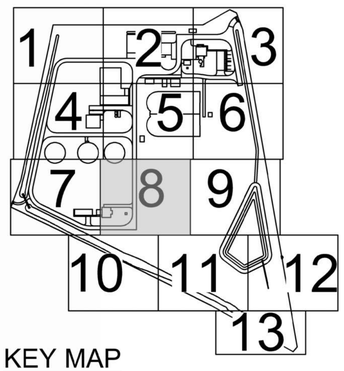
1. SUBJECT TO CHANGE, SEE NOTE 2.
2. INSTALL COMPOST FIBER LOGS, DETAIL 3125-185, AROUND CATCH BASINS DURING CONSTRUCTION AS NEEDED TO LIMIT SEDIMENT INTRUSION.

S1-158
CATCH BASIN
ODOT SCD 2-3
TOP = 1009.53'
NW INV = 995.05'
NE INV = 995.05

S3-158
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.75'
SW INV = 999.55'

S2-158
CATCH BASIN
ODOT SCD 2-3
TOP = 1009.33'
SW INV = 993.9'
NE INV = 993.9'

S4-158
CATCH BASIN
ODOT SCD 2-3
TOP = 1008.00'
SW INV = 995.22'
E INV = 995.22



KEY MAP

NO.	DATE	DSGN
DR	P MADEJ	DSGN
	T MALONE	CHK
	J RAMOS	APVD
	T MALONE	BY APRV

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 8

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-158

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-156

MATCH LINE - SEE DWG 005-C-158

MATCH LINE - SEE DWG 005-C-161

MATCH LINE - SEE DWG 005-C-162

STAGING AREA 4 - 1 ACRES
(SEE NOTE 4 ON DWG 005-C-151)

PROPERTY LINE (TYP)

EAST STORMWATER SWALE
(SEE SECTION 2, DWG 005-C-304)

6' HIGH BLACK VINYL CHAIN LINK FENCE w/
BARBED WIRE (TYP, 2.5 FT FROM EAST
PROPERTY LINE. LOCATE & PROTECT GAS)
3213-410

SILT FENCE (2 FT FROM FENCE) 3125-165

NATURAL GAS PIPE MARKER POST
(100 FT INTERVALS AND CHANGES
IN DIRECTION, TYP)
3305-960

EROSION BLANKET OVER SWALE
SHOWN CROSS-HATCHED.
BLANKET TO EXTEND 2 FT (MIN)
ABOVE SWALE BOTTOM.

EXIST 8" NATURAL GAS MAIN
AND 10' WIDE NATURAL
GAS EASEMENT

COMPOST FIBER CHECK DAM
(100-FT SPACING, TYP)
3125-185

RIPRAP PROTECTION
TYPE B (12-INCH)
22' x 40' x 24" DEEP
(EXTEND TO EL 996)
3215-170

S1-159

232' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

149' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

S2-159

50' BUILDING SETBACK

49'

44' @ 4:1
SEED AND EROSION BLANKET

WET STORMWATER POND
(EXTENDED DETENTION BASIN)
TOP = 1003.00 / BOT = 992.00
NORMAL WATER EL = 998.00
25-YR STORM EL = 1001.36
EMERGENCY WEIR EL = 1002.00

1 / 05-C-304

2 / 05-C-305

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.

STORMWATER STRUCTURE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

S1-159
CATCH BASIN ODOT SCD 2-3
TOP = 1007.33
SW INV = 992.74
E INV = 992.74

S2-159
HALF-HEIGHT HEADWALL
ODOT SCD HW-2.1
INV = 992.00

KEY MAP

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	P MADEJ		J RAMOS			T MALONE

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 9

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-159

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-157

MATCH LINE - SEE DWG 005-C-158

STAGING AREA 6 - 1 ACRES
(SEE NOTE 4 ON DWG 005-C-151)

SCREENING BERM FOR SPOILS
(4 FT HIGH 4:1 SIDE SLOPES,
SEED AND MULCH)

226' - 24" STM-CPE @ 0.49%
(SEE NOTE 2)

PROPERTY LINE &
I-70 ROW (TYP)

6' HIGH BLACK VINYL CHAIN LINK FENCE
WITH BARBED WIRE (2.5 FT FROM WEST
AND SOUTH PROPERTY LINE)
3213-410

EXIST DOT 4' WIRE FENCE TO REMAIN
(TYP)

COMPOST FIBER CHECK DAM
(100-FT SPACING, TYP)
3125-185

EROSION BLANKET OVER SWALE
SHOWN CROSS-HATCHED.
BLANKET TO EXTEND 2 FT (MIN)
ABOVE SWALE BOTTOM.

SOUTH PERIMETER DIVERSION SWALE
TO CONVEY OFFSITE FLOW
(SEE NOTE 3 ON DWG 005-C-150)

100' BUILDING SETBACK

3
MS-C-304

LOCATE HORIZ & VERT
EXIST 6" NG (SEE NOTE 3)

EXIST 6" NATURAL GAS MAIN
AND 10' WIDE NATURAL
GAS EASEMENT

NATURAL GAS PIPE MARKER POST
(100 FT INTERVALS AND CHANGES
IN DIRECTION, TYP)
3305-960

MATCH LINE - SEE DWG 005-C-161

INTERSTATE ROUTE 70

I-70

Ex. R/W

1010

1005

1007

1006

1005

1004

1003

1002

1008

1009

1011

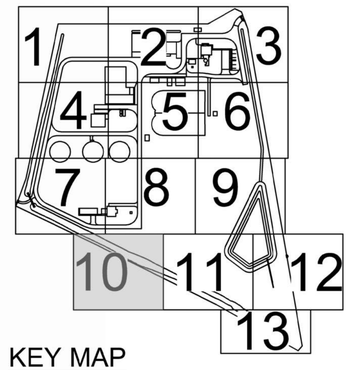
N 57° 52' 51.85" W

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. CONFIRM 6" GAS MAIN LOCATION AND PERFORM SOFT DIGS TO CONFIRM TOP OF MAIN. CONCRETE ENCASEMENT OR LOWERING OF THE GAS MAIN BY THE UTILITY MAY BE REQUIRED.

KEY MAP



NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	DSGN	P MADEJ	J RAMOS			T MALONE

DEER CREEK WRF

Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL

EARLY SITE PACKAGE
SITE PLAN
SHEET 10

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-160

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-158

MATCH LINE - SEE DWG 005-C-159

STAGING AREA 6 - 1 ACRES
(SEE NOTE 4 ON DWG 005-C-151)

1
005-C-304

WET STORMWATER POND
(EXTENDED DETENTION BASIN)
TOP = 1003.00 / BOT = 992.00
NORMAL WATER EL = 998.00
25-YR STORM EL = 1001.36
EMERGENCY WEIR EL = 1002.00

44' @ 4:1
SEED AND EROSION BLANKET

246' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

175' - 24" STM-CPE @ 0.50%
(SEE NOTE 2)

S1-161

S2-161

S3-161

MATCH LINE - SEE DWG 005-C-160

MATCH LINE - SEE DWG 005-C-162

100' BUILDING SETBACK

SILT FENCE (TYP)
3125-165

SCREENING BERM FOR SPOILS
(4 FT HIGH 4:1 SIDE SLOPES,
SEED AND MULCH)

6" GAS LINE
(PER RECORD/FIELD APPROXIMATE LOCATION)

6' HIGH BLACK VINYL CHAIN LINK FENCE
WITH BARBED WIRE (2.5 FT FROM WEST
AND SOUTH PROPERTY LINE)
3213-410

EXIST DOT 4' WIRE FENCE TO REMAIN
(TYP)

COMPOST FIBER CHECK DAM
(100-FT SPACING, TYP)
3125-185

SOUTH PERIMETER DIVERSION
SWALE TO CONVEY OFFSITE FLOW
(SEE NOTE 3 ON DWG 005-C-150)

EROSION BLANKET OVER SWALE
SHOWN CROSS-HATCHED.
BLANKET TO EXTEND 2 FT (MIN)
ABOVE SWALE BOTTOM.

3
005-C-304

EXIST 6" NATURAL GAS MAIN
AND 10' WIDE NATURAL
GAS EASEMENT

NATURAL GAS PIPE MARKER POST
(100 FT INTERVALS AND CHANGES
IN DIRECTION, TYP)
3305-960

LOCATE HORIZ & VERT
EXIST 6" NG (SEE NOTE 3)

EXISTING
POND REMAINS

INV=998.04 (4" CPP)

MATCH LINE - SEE DWG 005-C-163

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. CONFIRM 6" GAS MAIN LOCATION AND PERFORM SOFT DIGS TO CONFIRM TOP OF MAIN, ESPECIALLY WHERE IT CROSSES THE PROPOSED DIVERSION SWALE. NOTIFY ENGINEER OF COVER ISSUES WITH DIVERSION SWALE GRADING. CONCRETE ENCASEMENT OR LOWERING OF THE GAS MAIN BY THE UTILITY MAY BE REQUIRED.

STORMWATER STRUCTURE SCHEDULE

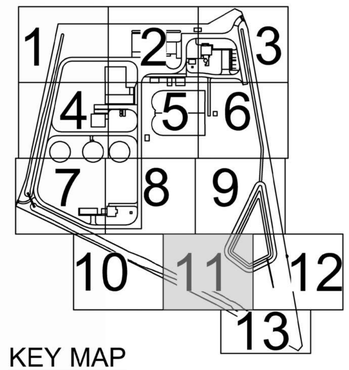
NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

S1-161
CATCH BASIN
ODOT SCD 2-3
TOP = 1006.80
NW INV = 994.10
NE INV = 994.10

S2-161
CATCH BASIN
ODOT SCD 2-3
TOP = 1006.98
SW INV = 993.22
NE INV = 993.22

S3-161
HALF-HEIGHT HEADWALL
ODOT SCD HW-2.1
INV = 992.00

KEY MAP



NO.	DATE	DSGN
DSGN	T MALONE	
DR	P MADEJ	CHK J RAMOS
	DSGN	APVD
		BY T MALONE

Jacobs

CIVIL

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

EARLY SITE PACKAGE
SITE PLAN
SHEET 11

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-161

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-159

MATCH LINE - SEE DWG 005-C-161

MATCH LINE - SEE DWG 005-C-163

50' BUILDING SETBACK

49'

44' @ 4:1 SEED AND EROSION BLANKET

2 05-C-305

3 05-C-305

WET STORMWATER POND
(EXTENDED DETENTION BASIN)
TOP = 1003.00 / BOT = 992.00
NORMAL WATER EL = 998.00
25-YR STORM EL = 1001.36
EMERGENCY WEIR EL = 1002.00

20' OVERFLOW WEIR (GRASSED) EL 1002.0

6" GAS LINE (PER RECORD FIELD)

TIE TO GRADE @ 6:1

S1-162

EXISTING POND REMAINS

998.7 WATER POND

8.04 (4" CPP W)

PROPERTY LINE (TYP)

6' HIGH BLACK VINYL CHAIN LINK FENCE w/ BARBED WIRE (TYP, 2.5 FT FROM EAST PROPERTY LINE. LOCATE & PROTECT GAS. SEE NOTE 5)
3213-410

SILT FENCE (INSIDE FENCE)
3125-165

POND CONTROL STRUCTURE CS-1
TOP = 1000.50
WATER CONTROL ORIFICE EL = 998.00
CS-1 05-C-305

12' WIDE DOUBLE SWING GATE (SEE NOTE 5)
3213-415

NATURAL GAS PIPE MARKER POST
(100 FT INTERVALS AND CHANGES IN DIRECTION, TYP)
3305-960

EXIST 6" NATURAL GAS MAIN AND 10' WIDE NATURAL GAS EASEMENT

SILT FENCE (SEE NOTE 4) 3125-165

LOCATE HORIZ & VERT EXIST 6" NG (SEE NOTE 3)

146' - 18" STM-CPE @ 0.34% (SEE NOTE 2)

FOR FENCING NOTE, SEE NOTE 5

10'

10'

BRUSH

WOODS

WIRE

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. THE STORMWATER AND PLANT DRAIN SYSTEM ARE PRELIMINARY. THE FINAL DESIGN WILL BE RELEASED IN A FUTURE PHASE. FOR PRELIMINARY PIPE PROFILES FOR STORMWATER (STM), SEE DWGS 005-C-301 TO 005-C-303. PIPE PROFILES FOR PLANT DRAIN (DR) ARE ON DWGS 005-Y-301 TO 005-Y-302.
3. CONFIRM 6" GAS MAIN LOCATION AND PERFORM SOFT DIGS TO CONFIRM TOP OF MAIN, ESPECIALLY WHERE IT CROSSES THE PROPOSED CONTROL STRUCTURE OUTFALL PIPE AND GRASSED OVERFLOW WEIR. NOTIFY ENGINEER OF COVER ISSUES. CONCRETE ENCASEMENT OR LOWERING OF THE GAS MAIN BY THE UTILITY MAY BE REQUIRED.
4. REMOVE SILT FENCE FOR STORMWATER POND OVERFLOW AND OUTFALL PIPE CONSTRUCTION. REINSTALL AFTER THESE ELEMENTS ARE INSTALLED.
5. FUTURE WATER AND SANITARY FORCEMAINS WILL BE ROUTED THROUGH THE EAST PROPERTY CORNER. TEMPORARY FENCING AND GATE MAY BE INSTALLED DURING THIS PHASE AND REPLACED WITH PERMANENT FENCING AFTER MAIN INSTALLATION.

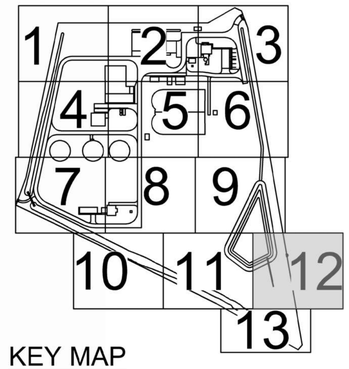
STORMWATER STRUCTURE SCHEDULE

NOTE: SUBJECT TO CHANGE, SEE NOTE 2.

S1-162

HALF-HEIGHT HEADWALL
ODOT SCD HW-2.1
INV = 996.00

KEY MAP



NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE		P MADEJ	J RAMOS			T MALONE

Jacobs

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

CIVIL
EARLY SITE PACKAGE
SITE PLAN
SHEET 12

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-162

PTI DOCUMENT

MATCH LINE - SEE DWG 005-C-161

MATCH LINE - SEE DWG 005-C-162

DISCHARGE FOR SOUTH PERIMETER DIVERSION SWALE TO CONVEY OFFSITE FLOW (SEE NOTE 3 ON DWG 005-C-150)

RIPRAP PROTECTION TYPE A (18-INCH), 18' x 25' x 30" DEEP
3215-170

EXISTING POND REMAINS

6' HIGH BLACK VINYL CHAIN LINK FENCE w/ BARBED WIRE (TYP, 2.5 FT FROM EAST PROPERTY LINE. SEE NOTE 2)
3213-410

50' BUILDING SETBACK

EROSION BLANKET OVER SWALE SHOWN CROSS-HATCHED. BLANKET TO EXTEND 2 FT (MIN) ABOVE SWALE BOTTOM.

PROPERTY LINE & I-70 ROW (TYP)

6' HIGH BLACK VINYL CHAIN LINK FENCE WITH BARBED WIRE (2.5 FT FROM WEST AND SOUTH PROPERTY LINE)
3213-410

EXIST DOT 4' WIRE FENCE TO REMAIN (TYP)

100' BUILDING SETBACK

FOR FENCING NOTE, SEE NOTE 2

DITCH CROSSING (SEE NOTE 3) APPROXIMATELY 25 FT WIDE, 4 FT DEEP, 2:1 SIDE SLOPES

25' +/-

I-70

Ex. R/W

0 20 40 60
Scale In Feet

NOTES

1. SEE NOTES ON SITE PLAN SHEET 1, DWG 005-C-151.
2. FUTURE WATER AND SANITARY FORCEMAINS WILL BE ROUTED THROUGH THE EAST PROPERTY CORNER. TEMPORARY FENCING AND GATE MAY BE INSTALLED DURING THIS PHASE AND REPLACED WITH PERMANENT FENCING AFTER MAIN INSTALLATION.
3. THE SITE PERIMETER FENCING MUST CROSS AN EXISTING DITCH AT THE SOUTHEAST PROPERTY CORNER. THE DITCH CONVEYS WATER FROM THE EXISTING ONSITE POND TO A CULVERT THAT CROSSES UNDER THE I-70. CMAR AND FENCING SUB-CONTRACTOR TO INVESTIGATE THE CROSSING AND SUBMIT FENCING DITCH CROSSING SHOP DRAWING FOR ENGINEER APPROVAL.

KEY MAP

1 2 3 4 5 6 7 8 9 10 11 12 13

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	P MADEJ	J RAMOS			T MALONE	

DEER CREEK WRF

Mid-Ohio Water and Sewer District
London - OH

Jacobs

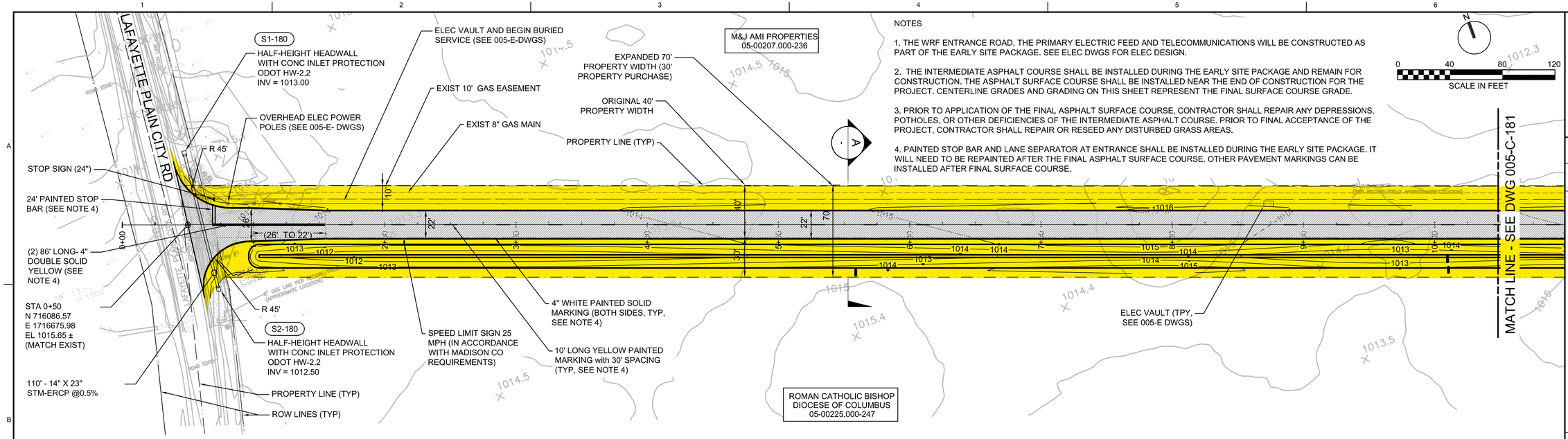
CIVIL

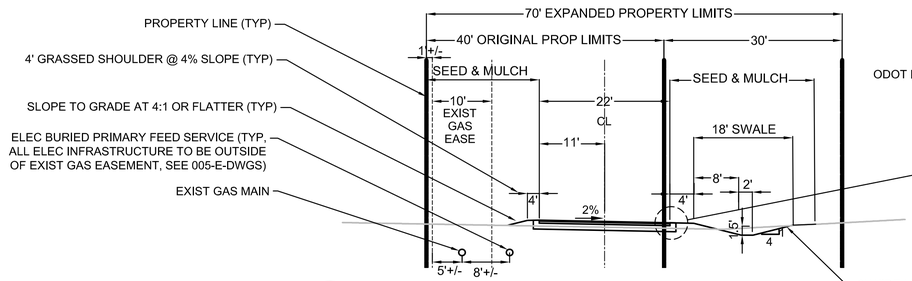
EARLY SITE PACKAGE
SITE PLAN
SHEET 13

1" = 20'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

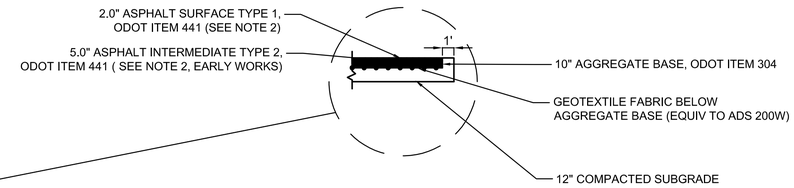
DATE 2025/08/01
PROJ C6A24900
DWG 005-C-163

PTI DOCUMENT

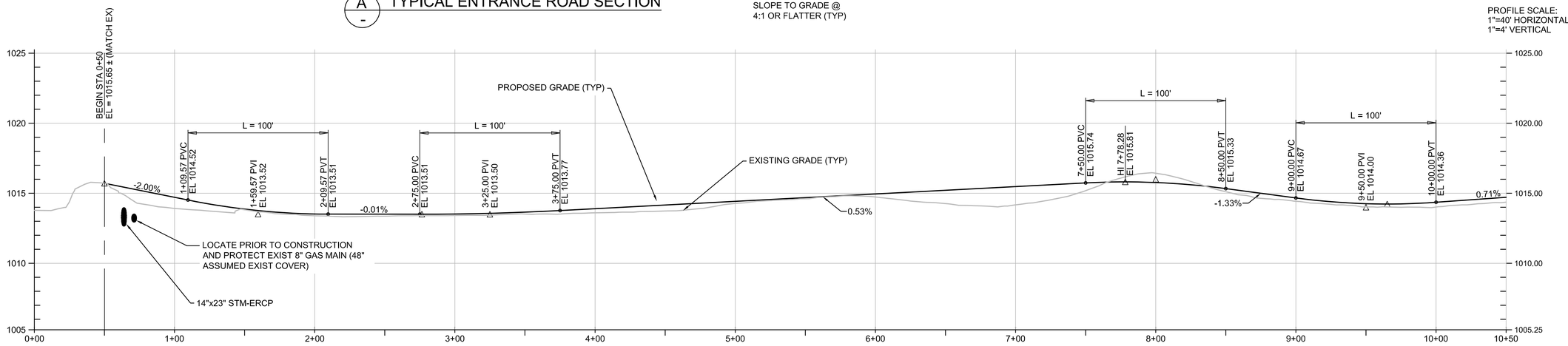




A
-
TYPICAL ENTRANCE ROAD SECTION



TYPICAL PAVEMENT SECTION



NO.	DSGN	DATE	DSGN	DR	CHK	APVD	BY	APRV
		T MALONE	P MADEJ		J RAMOS		T MALONE	

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL

ENTRANCE ROAD
PLAN AND PROFILE
SHEET 1

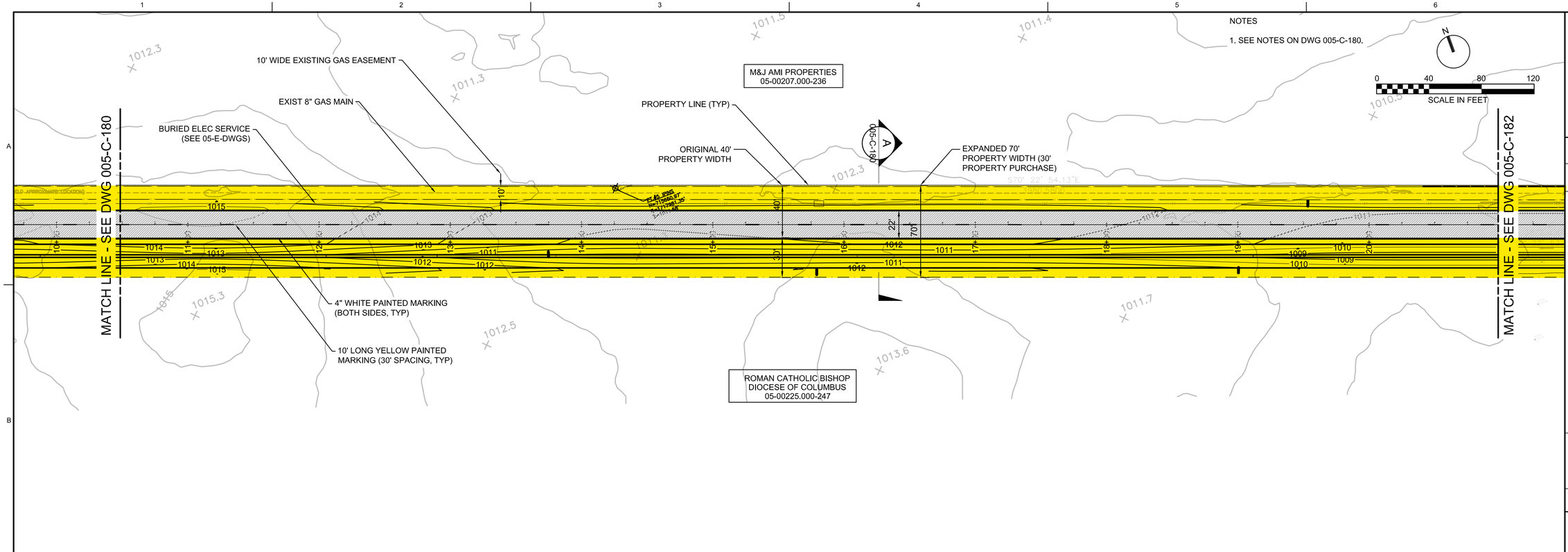
1" = 40'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

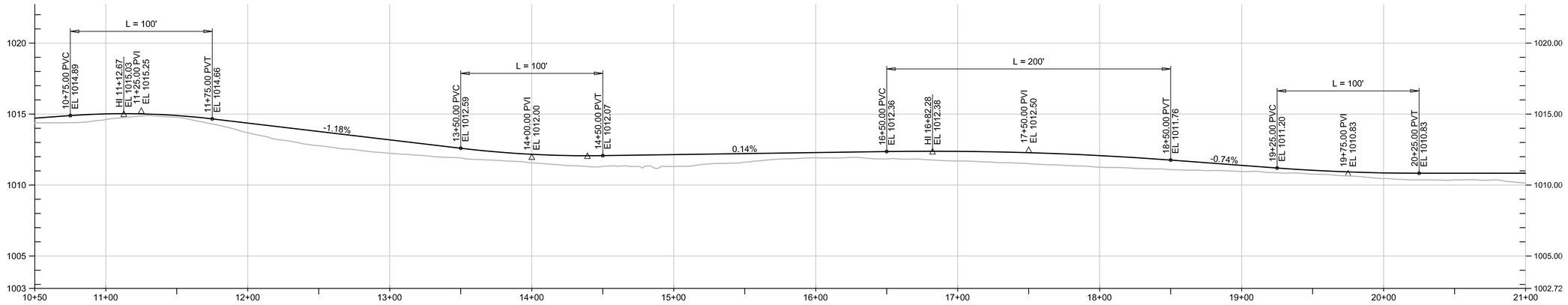
DATE 2025/08/01
PROJ C6A24900
DWG 005-C-180

PTI DOCUMENT

NOTES

1. SEE NOTES ON DWG 005-C-180.





NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE	P MADEJ		J RAMOS		T MALONE	

DEER CREEK WRF

Mid-Ohio Water and Sewer District
London - OH

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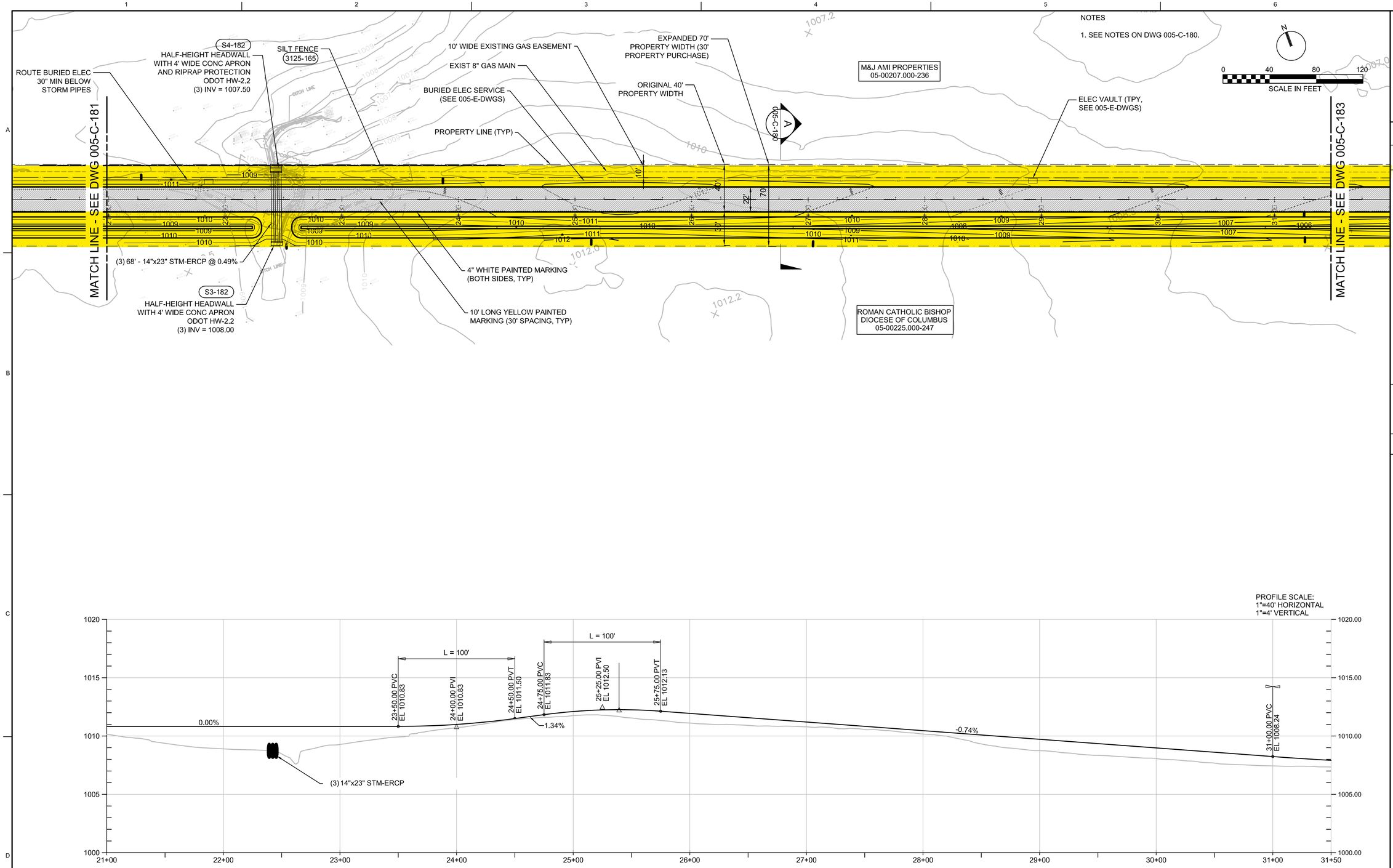
CIVIL

ENTRANCE ROAD PLAN AND PROFILE SHEET 2

	1" = 40'
	VERIFY SCALE
	BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"
DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-181

PTI DOCUMENT



NOTES

1. SEE NOTES ON DWG 005-C-180.

N

0 40 80 120

SCALE IN FEET

NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
DSGN	T MALONE	T MALONE	P MADEJ	J RAMOS			T MALONE

DEER CREEK WRF

Mid-Ohio Water and Sewer District
London - OH

Jacobs

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ENTRANCE ROAD
PLAN AND PROFILE
SHEET 3

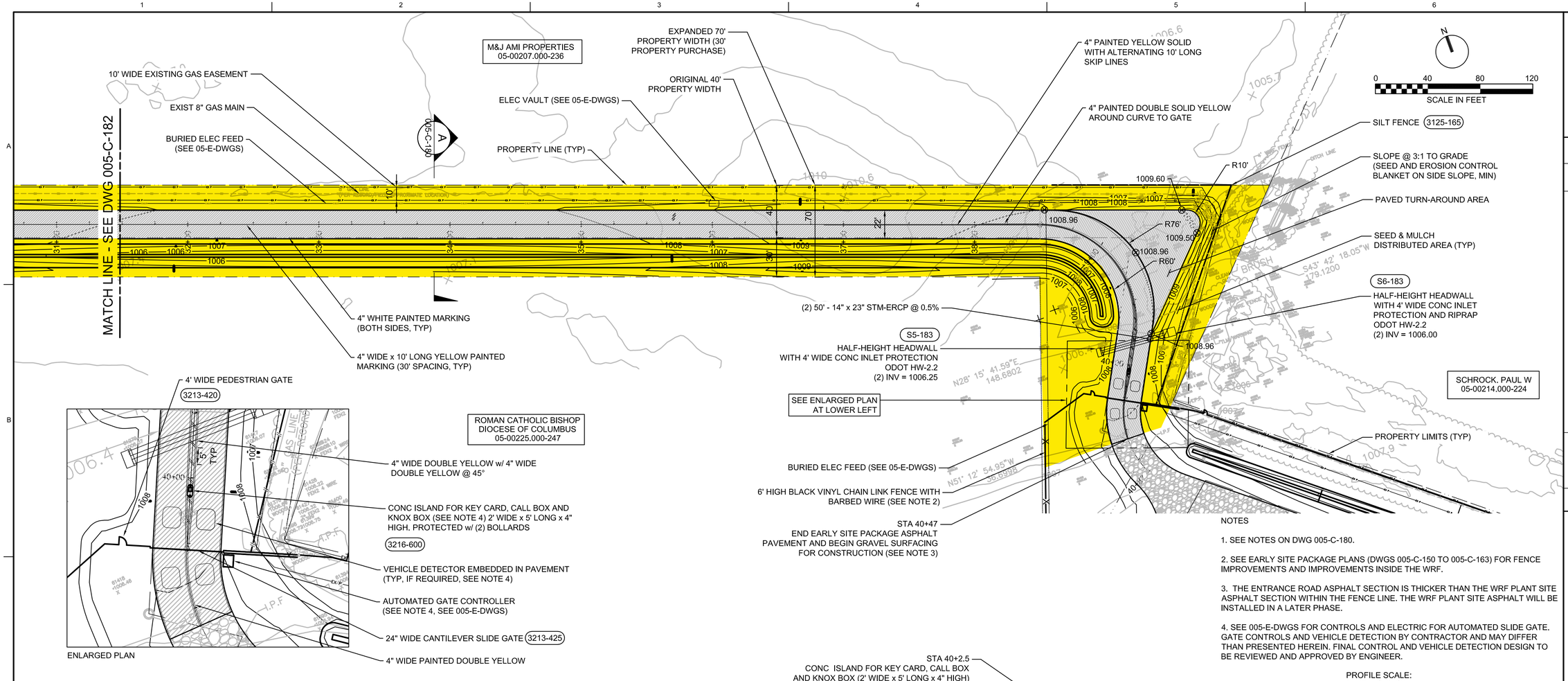
1" = 40'

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	2025/08/01
PROJ	C6A24900
DWG	005-C-182

PTI DOCUMENT



ENLARGED PLAN

NOTES

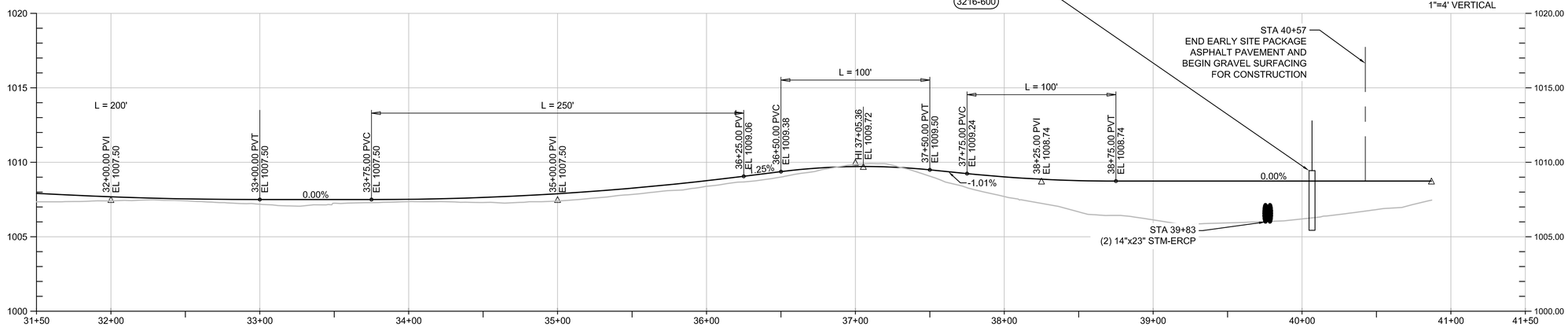
1. SEE NOTES ON DWG 005-C-180.

2. SEE EARLY SITE PACKAGE PLANS (DWGS 005-C-150 TO 005-C-163) FOR FENCE IMPROVEMENTS AND IMPROVEMENTS INSIDE THE WRF.

3. THE ENTRANCE ROAD ASPHALT SECTION IS THICKER THAN THE WRF PLANT SITE ASPHALT SECTION WITHIN THE FENCE LINE. THE WRF PLANT SITE ASPHALT WILL BE INSTALLED IN A LATER PHASE.

4. SEE 005-E-DWGS FOR CONTROLS AND ELECTRIC FOR AUTOMATED SLIDE GATE. GATE CONTROLS AND VEHICLE DETECTION BY CONTRACTOR AND MAY DIFFER THAN PRESENTED HEREIN. FINAL CONTROL AND VEHICLE DETECTION DESIGN TO BE REVIEWED AND APPROVED BY ENGINEER.

PROFILE SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL



NO.	DATE	DSGN	DR	CHK	APVD	BY	APRV
	T MALONE	DSGN	P MADEJ	J RAMOS		T MALONE	

DEER CREEK WRF
Mid-Ohio Water and Sewer District
London - OH

Jacobs

CIVIL
ENTRANCE ROAD PLAN AND PROFILE SHEET 4

1" = 40'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE 2025/08/01
PROJ C6A24900
DWG 005-C-183

PTI DOCUMENT