

HUDSON DOWNTOWN PHASE 2

PHASE 2A

PUBLIC IMPROVEMENTS

SUMMIT COUNTY, OHIO - CITY OF HUDSON

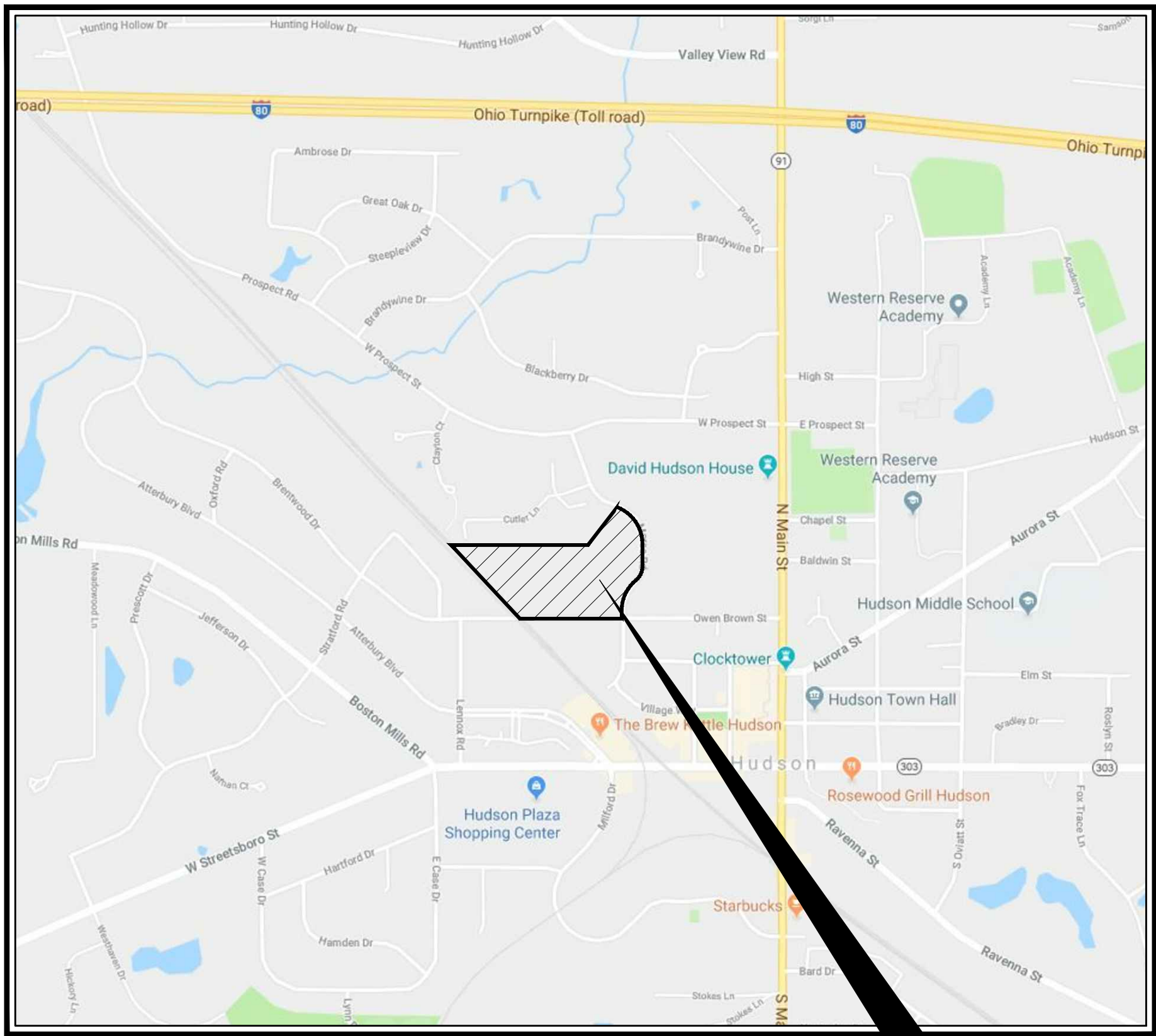
Testa Companies

ISSUED: APRIL 25, 2019

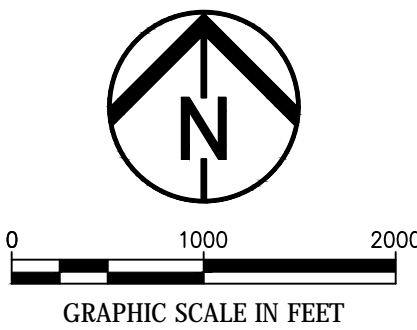
SITE PLAN LEGEND

EXISTING	PROPOSED	
		CENTERLINE/BASELINE CONSTRUCTION
		PROPERTY LINE
		RIGHT OF WAY
		EASEMENT
		TEMPORARY RIGHT OF WAY
		SWALE
		CONTOUR
		STORM SEWER
		SANITARY SEWER
		WATER LINE
		WATER SERVICE
		GAS LINE
		ELECTRIC LINE, UNDERGROUND
		TELEPHONE LINE, UNDERGROUND
		FIBER OPTIC LINE, UNDERGROUND
		CABLE LINE, UNDERGROUND
		CATCH BASIN, MANHOLE
		MANHOLE ADJUSTED TO GRADE
		HYDRANT, HYDRANT ASSEMBLY
		VALVE, WV=WATER VALVE GV=GAS VALVE
		METER, E=ELECTRIC, G=GAS, W=WATER
		ELECTRIC CABINET, PULL BOX, PEDESTAL, MANHOLE
		TELEPHONE MANHOLE, UTILITY MARKER
		POWER POLE, TELEPHONE POLE, COMBINATION POLE, LIGHT POLE
		IRON PIN/PIPE FOUND, IRON PIN SET
		MONUMENT BOX
		SIGN
		MAILBOX
		FLAG POLE, DECORATIVE/YARD LIGHT
		TREE, SHRUB LINE
		TREE REMOVED, TREE LIMBED AND ROOT PRUNED
		BASEMENT ELEVATION

UNTIL THE PUBLIC ROADS SHOWN ON THESES PLANS ARE ACCEPTED BY THE CITY OF HUDSON AND DEDICATED, ALL MAINTENANCE INCLUDING SWEEPING AND SNOW PLOWING SHALL BE PERFORMED BY THE DEVELOPER



PROJECT LOCATION



LOCATION MAP

SITE COVERAGE DESCRIPTION

PRE-DEV IMPERVIOUSNESS	—	65%
POST DEV IMPERVIOUSNESS	—	56%

ODOT STANDARD DRAWING INDEX

STD. DWG. NO.	DATE	STD. DWG. NO.	DATE	STD. DWG. NO.	DATE
BP-3.1	7/18/14	HW-1.1	7/20/18	TC-41.40	10/18/13
BP-4.1	7/19/13	HW-2.1	7/20/18	TC-41.50	10/18/13
BP-5.1	7/19/13	DM-1.1	1/18/13	TC-42.20	10/18/13
BP-7.1	7/18/14	HL-30.11	7/20/18	TC-52.10	10/18/13
				TC-52.20	7/20/18
CB-1.1	1/18/13	RM-1.1	7/18/14		
CB-1.2	1/18/13				

CONSTRUCTION SEQUENCING

TBD

INDEX OF DRAWINGS

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LIGHTING & SIGNAGE PLAN	40
LANDSCAPE PLAN	41-46

APPROVALS:

SERVICE DIRECTOR _____ Date _____

CITY ENGINEER _____ Date _____

OHIO EPA:

WATER, BY LETTER _____ Date _____

SANITARY, BY LETTER _____ Date _____

PLANS PREPARED AND RECOMMENDED BY:

Environmental Design Group
AKRON / CLEVELAND / COLUMBUS
HQ 450 GRANT ST., AKRON, OH 44311
P 330.375.1390 / TF 800.835.1390
W ENVDESIGNGROUP.COM

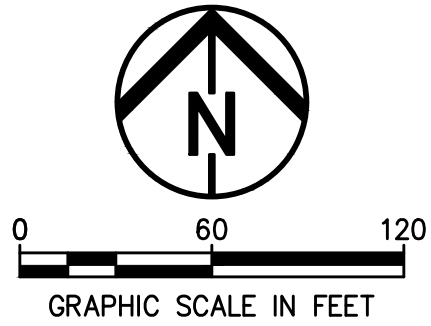
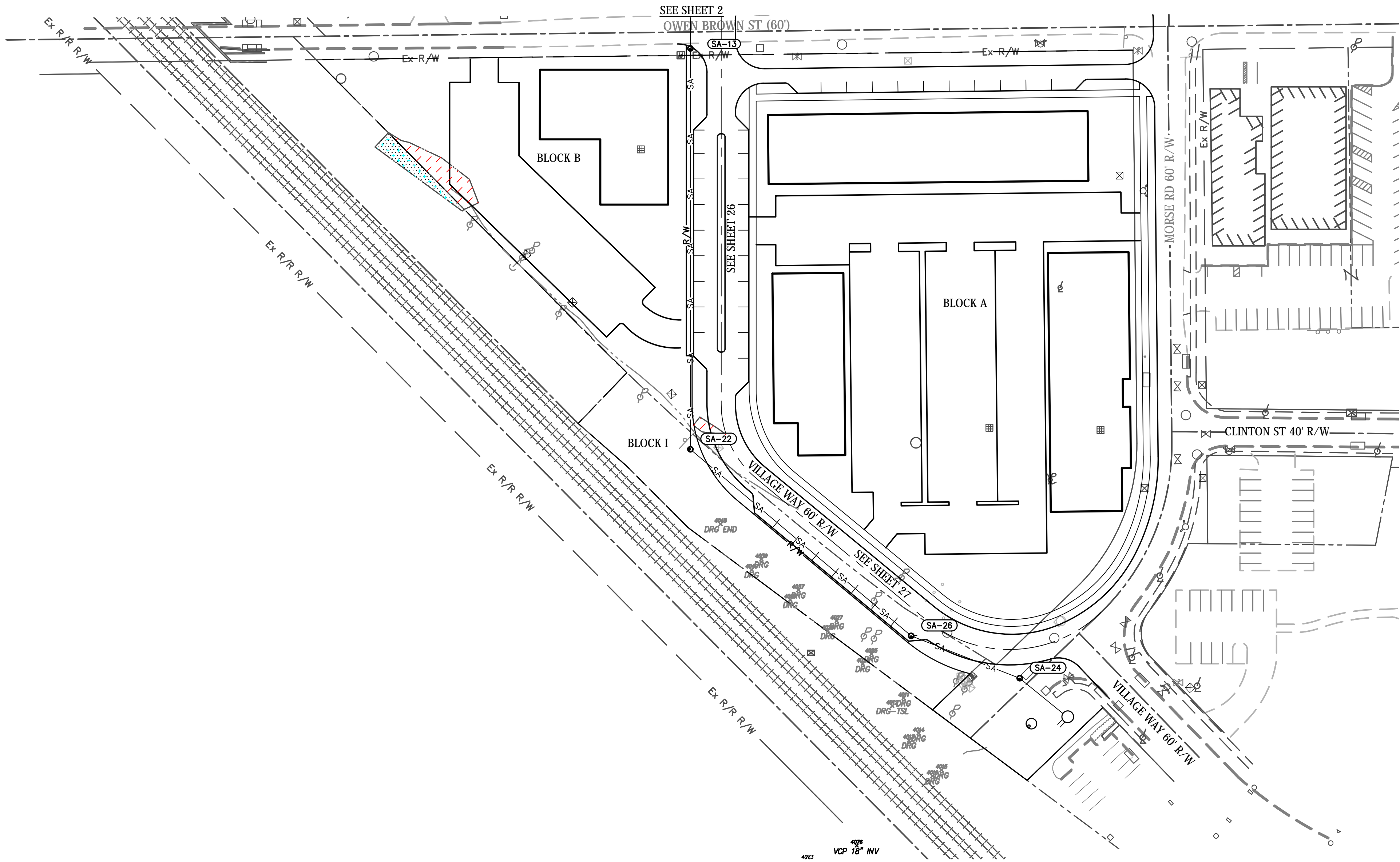


Know what's below.
Call before you dig.

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THESE PLAN BID DOCUMENTS SHALL GOVERN THIS IMPROVEMENT. FOR PURPOSES OF THIS PLAN, REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE CITY ENGINEER AND/OR HIS REPRESENTATIVES.

PROJ. NUMBER	17-00257-020	TITLE	SHEET 1 of 46
DESIGNED BY:	RJW		
DRAWN BY:	NLM		
FILE NO.	ZTITL 17-00257-020.dwg		



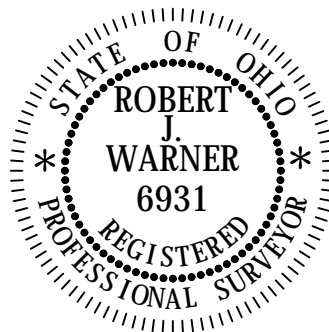
LEGEND

- PROPERTY LINE
- R/W RIGHT OF WAY
- EASEMENT
- SWALE
- CATCH BASIN, MANHOLE/#
- MON MONUMENT BOX
- EXISTING WETLAND
- WETLAND IMPACT
- PROPOSED WATER
- PROPOSED STORM
- PROPOSED SANITARY
- EXISTING BUILDING

AKRON / CLEVELAND / COLUMBUS
HQ 450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / F 800.835.1590
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HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



DATE: _____

REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.:	17-00257-020
DRAWN BY:	NLM
CHECKED BY:	RJW
DATE ISSUED:	2018-10-15

GENERAL PLAN PHASE
2B

4 OF 46

E:\TESTA\COMPANIES\17-00257-020\TEST & MAIN SITE DESIGN\CAD\DWG\NOTE 17-00257-020.dwg 8/23/2018 11:11:59 AM

EXHIBIT A GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION OF THE SITE WORK AND UTILITIES SHALL BE GOVERNED BY THE CITY OF HUDSON'S 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THE PROJECT.
3. THE CONTRACTOR MUST ALERT THE OHIO UTILITY PROTECTION SERVICES AT 1-800-362-2764 AT LEAST 48 HOURS BEFORE ANY EXCAVATION IS TO BEGIN.
4. ALL EXISTING APPURTENANCES (UTILITY POLES, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLANS.
5. THE DESIGN ENGINEER CERTIFIES THAT ALL UTILITIES ARE SHOWN AS THEY APPEAR ON EXISTING RECORDS OR FIELD LOCATED.
6. ALL KNOWN ABOVE AND UNDERGROUND SERVICES HAVE BEEN NOTED ON THE DRAWINGS. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY SERVICES DAMAGED DURING THE CONSTRUCTION OF THE PROJECT WHETHER SHOWN OR NOT ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SERVICE AS SOON AS POSSIBLE AT THE CONTRACTOR'S OWN EXPENSE.
7. VIDEO TAPING OF PROJECT SHALL BE DELIVERED AND ACCEPTED BY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF 14 CALENDAR DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES.
8. NOTIFY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF FORTY-EIGHT HOURS (2 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION.
9. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS (2 WORKING DAYS) AFTER SUBMISSION OF A MINIMUM OF 6 APPROVED SETS OF PLANS AND ALL SHOP DRAWINGS APPLICABLE TO THE PROPOSED IMPROVEMENTS. A PRECONSTRUCTION MEETING MUST BE HELD PRIOR TO START OF ANY CONSTRUCTION.
10. THE LIMITS OF CLEARING AND GRADING SHALL BE FIELD STAKED AND LINED WITH ORANGE CONSTRUCTION FENCING 48 HOURS (2 WORKING DAYS) PRIOR TO THE PRECONSTRUCTION MEETING. AREAS BEYOND THE LIMITS OF CLEARING AND GRADING SHALL NOT BE DISTURBED INCLUDING THE STOCKPILE OF ANY MATERIALS OR CONSTRUCTION TRAFFIC.
11. ALL ROAD SURFACES, EASEMENTS, OR RIGHT-OF-WAY DISTURBED BY THE CONSTRUCTION OF ANY PART OF THESE IMPROVEMENTS ARE TO BE RESTORED ACCORDING TO THE CITY OF HUDSON 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION' AS DIRECTED BY THE CITY OF HUDSON AND/OR ITS ENGINEER.
12. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF HUDSON OR ITS REPRESENTATIVE IF SUSPECTED HAZARDOUS MATERIAL OR ANY OTHER MATERIAL THAT MAY CREATE A HEALTH RISK IS DISCOVERED ON SITE
13. ALL DISTURBED STORM SEWERS AND/OR APPURTENANCES, SIGNS, GUARD RAILING, MAIL AND/OR PAPER BOXES, DRIVE CULVERTS, FENCES, TREES, LANDSCAPING, OR OTHER ITEMS DISTURBED BY THE CONSTRUCTION SHALL BE RESTORED OR REPAIRED TO AT LEAST THE BEFORE-CONSTRUCTION CONDITION.
14. ANY DEFECTS DISCOVERED IN NEW CONSTRUCTION, WORKMANSHIP, EQUIPMENT OR MATERIALS SHALL BE REPAIRED, OR CORRECTED BY APPROVED METHODS AS DIRECTED BY THE CITY OF HUDSON.
15. NUCLEAR COMPACTION TESTING SHALL BE REQUIRED FOR ALL FILL AREAS OVER TWO FEET (2) IN DEPTH, AT 6" LIFTS PER ASTM A-1557, 95% MODIFIED.
16. APPROVAL BY THE CITY OF HUDSON ENGINEER CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS OR SPECIFICATIONS.
17. DURING TAPPING OF EXISTING UTILITIES, ANY TRAFFIC CONTROL REQUESTED OR REQUIRED BY THE CITY OF HUDSON WILL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE CITY.
18. COMPLIANCE WITH THE OCCUPATIONAL AND SAFETY ACT OF 1970 IS REQUIRED BY ALL CONTRACTORS ON THIS PROJECT.
19. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
20. ALL DISTURBED AREAS SHALL RECEIVE 4" OF TOPSOIL AND BE SEEDED AND MULCHED AS PER SECTION 9 -LANDSCAPING AND STREET TREES OF THE CITY'S 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION.
21. IF MUD, SOIL, OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS, OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OFSUCH AS DIRECTED BY THE CITY OF HUDSON OR ITS ENGINEER AT THE END OF EACH WORK DAY, OR AS REQUIRED DURING THE WORK DAY.
22. ALL PROPOSED SLOPES 3:1 OR STEEPER AND ALL EARTHEN DRAINAGE WAYS SHALL RECEIVE JUTE OR EXCELSIOR MATTING AS PER ODOT 667 OR 668.
23. ALL STORM SEWERS WITHIN PUBLIC RIGHTS-OF-WAY AND CITY OF HUDSON EASEMENTS SHALL BE PER SECTION 4 - STORM COLLECTION OF THE CITY'S 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION.
24. ALL PIPES SHALL BE PLACED OVER 4" OF BEDDING. BEDDING MATERIAL SHALL BE AS SPECIFIED IN CITY'S 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION, FOR THE TYPE OF PIPE.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF HUDSON POLICE DEPARTMENT.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANT TICKETS FOR ALL MATERIALS DELIVERED TO THE SITE. PLANT TICKETS MUST SHOW NET QUANTITY OF DELIVERED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SHALL BE REMOVED AND PROPERLY DISPOSED AT THE EXPENSE OF THE CONTRACTOR.
27. ALL DELIVERED MATERIALS SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF HUDSON OR OTHER APPLICABLE AGENCIES. THE CITY OF HUDSON, OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO REJECT ANY DELIVERED MATERIAL WHICH DOES NOT CONFORM TO THE APPLICABLE STANDARDS AND SPECIFICATIONS.
28. THE CITY OF HUDSON OR ITS REPRESENTATIVE, RESERVES, THE RIGHT TO HALT ALL CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS AND OTHER APPLICABLE STANDARDS OR REGULATIONS.
29. ALL CHANGES TO APPROVED DRAWINGS AND/OR SPECIFICATIONS MUST BE REAPPROVED BY THE CITY OF HUDSON PRIOR TO CONSTRUCTION.
30. ALL PAVING MATERIAL MUST BE PROVIDED BY ODOT CERTIFIED SUPPLIER. WRITTEN PROOF SHALL BE REQUIRED UPON DELIVERY OF MATERIALS. THE CERTIFIED MIX DESIGN MUST BE SUBMITTED TO, AND APPROVED BY, THE CITY OF HUDSON PRIOR TO SCHEDULING A PRECONSTRUCTION MEETING.
31. CONTRACTOR/DEVELOPER SHALL PROVIDE ALL REQUIRED ROADWAY SIGNAGE AS PER ODOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES INCLUDING STREET IDENTIFICATION SIGNAGE PER CITY STANDARDS FOR ALL ASPECTS OF THE IMPROVEMENT.

32. ALL BONDS AND OR LETTERS OF CREDIT SHALL NOT BE RELEASED OR REDUCED AND NO WATER OR SANITARY SEWER CUSTOMERS CAN BE CONNECTED UNTIL ALL RECORD DRAWINGS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE CITY OF HUDSON.
33. ALL WORK, EXCEPT SIDEWALKS, STREET TREES AND STREET LIGHTS, AS PART OF THESE PLANS SHALL BE COMPLETED, INCLUDING PUNCH LIST ITEMS AND DEFICIENCY WORK WITHIN 1 YEAR OF THE DATE OF APPROVAL BY THE CITY ENGINEER. SIDEWALKS, STREET TREES AND STREET LIGHTS SHALL BE COMPLETED WITHIN TWO YEARS OF THE DATE OF APPROVAL BY THE CITY ENGINEER.
34. FAILURE TO COMPLETE THE PROJECT IN ITS ENTIRETY AS APPROVED BY THE PLANNING COMMISSION, INCLUDING PUNCH LIST ITEMS, WILL RESULT IN THE CITY OF HUDSON HOLDING ALL FUTURE ZONING CERTIFICATES UNTIL ALL WORK HAS BEEN COMPLETED AND APPROVED.
35. MANUFACTURERS OR SUPPLIERS AFFIDAVIT FOR ALL CONSTRUCTION MATERIALS SHALL BE PROVIDED AS PER THE CITY'S 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION PRIOR TO THE START OF CONSTRUCTION.
36. THE CONSTRUCTION OF SANITARY SEWERS, WATER MAINS, LIFT STATIONS AND APPURTENANCES IS PROHIBITED UNTIL ALL PLANS HAVE BEEN APPROVED BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY.
37. ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HUDSON 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION.
38. ALL SANITARY SEWERS CONSTRUCTED IN SUMMIT COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES (SC-DOES) SERVICE DISTRICTS AND SERVED BY SC-DOESSHALL COMPLY WITH SC-DOES REQUIREMENTS.
39. SHOP DRAWINGS FOR THE PROPOSED LIGHT FIXTURES SHALL BE ATTACHED TO THE APPROVED LIGHTING PLAN AND SUBMITTED WITH THE SIX SETS OF PLANS AS REQUIRED IN NOTE 8. THE LIGHT FIXTURES SHALL HAVE A RECESSED LAMP, FLAT LENSES AND OPTIONAL HOUSE SHIELDING AVAILABLE. THE CITY MAY REQUIRE HOUSE SHIELDS TO BE ADDED AND OTHER MODIFICATIONS AFTER CONSTRUCTION AT THE EXPENSE OF THE CONTRACTOR.
40. THE OWNER SHALL SUBMIT A NOTICE OF INTENT (N.O.I.) OBTAIN AUTHORIZATION FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (N.P.D.E.S.) OR THE LATEST FEDERAL, STATE AND/OR LOCAL REGULATIONS. THE OWNER SHALL SUBMIT A COPY OF THE N.P.D.E.S. PERMIT TO THE CITY OF HUDSON 48 HOURS (2 WORKING DAYS) PRIOR TO SCHEDULING A PRECONSTRUCTION MEETING.

EXHIBIT B WATERWORK NOTES CITY OF HUDSON WATER SERVICE AREA

NOTE: THESE WATER WORK NOTES APPLY TO AREAS OF HUDSON THAT ARE TO BE SERVEDWITH CITY OF HUDSON WATER.

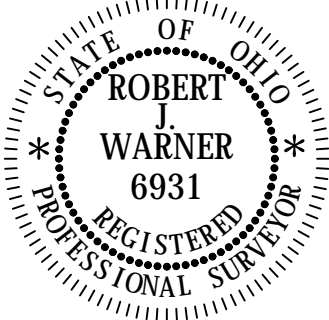
1. ALL WATER MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HUDSON 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION', LATEST EDITION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY AND ALL AREAS ALONG THE ROUTE OF THE WATER MAIN. THIS WILL INCLUDE LAWNS, DRIVES, DITCHES, CULVERTS, LANDSCAPING, ETC, AND ANY OTHER AREAS DISTURBED DURING THE CONSTRUCTION PROCESS.
3. ALL TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF HUDSON 'ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION" AND BE COORDINATED WITH THE CITY OF HUDSON. AWWA C-600 PRESSURE TESTING AND C-651 DISINFECTION BY CHLORINATION OF THE WATER MAIN WILL BE REQUIRED.
4. ALL PROPOSED TRENCHES LOCATED UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE FILLED WITH LOW STRENGTH MORTAR. THE METHOD OF BACKFILLING AS DIRECTED BY THE ENGINEER, SHALL CONFORM TO ODOT 613 TYPE 1. SLAG OR FLYASH IS NOT PERMITTED IN MIX. PAVEMENT INCLUDES, BUT IS NOT LIMITED TO, ROADWAY SURFACES, SIDEWALKS, BIKE WAYS, DRIVEWAYS, SHOULDERS, ETC. THE LIMITS OF THE LOW STRENGTH MORTAR SHALL INCLUDE 450 ANGLE OF REPOSE FROM ALL EDGES OF PAVEMENT.
5. FIELD STAKING AND RECORD DRAWINGS SHALL BE PROVIDED TO THE CITY BY THE CONTRACTOR, AS SUPERVISED AND STAMPED BY A LICENSED PROFESSIONAL SURVEYOR. RECORD DRAWINGS (AS-BUILTS) IN BOTH REPRODUCIBLE AND DIGITAL FORMAT COMPATIBLE WITH THE CITY OF HUDSON STANDARDS TO BE SUBMITTED TO AND APPROVED BY THE CITY OF HUDSON PRIOR TO UTILITY SERVICE CONNECTIONS BEING MADE.
6. A 4' MINIMUM HORIZONTAL CLEARANCE AND A 12' MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF THE STORM SEWER PIPE.
7. A 10' MINIMUM HORIZONTAL CLEARANCE AND AN 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED FROM THE EDGE OF THE WATER MAIN PIPE TO THE EDGE OF ALL SANITARY SEWERS AND/OR FORCE MAIN PIPE.
8. ALL VALVES, FITTINGS, BENDS, TEES, ETC. SHALL HAVE MEGALUG JOINT RESTRAINTS BY EBBA IRON, INC.
9. ALL WATER MAINS WITHIN LOW STRENGTH MORTAR BACKFILL SHALL BE WRAPPED IN POLYETHYLENE AS PER AWWA C-105. OTHER AREAS TO BE WRAPPED IN POLYETHYLENE SHALL BE AS SHOWN ON THE DRAWINGS, AS DETERMINED FROM DIPRA REPORT OR AS REQUIRED BY THE CITY.
10. WHERE WATER MAINS CROSS SEWER TRENCHES, THE TRENCH IS TO BE BACKFILLED WITH ODOT 304 CRUSHED LIMESTONE.
11. TAPPING SLEEVES SHALL BE ROMAC TYPE, WRAP AROUND STAINLESS STEEL WITH #316 STAINLESS STEEL BOLTS AND NUTS.
12. MANUFACTURER'S AFFIDAVIT: THE MANUFACTURER SHALL FURNISH AN AFFIDAVIT INDICATING THAT ALL PIPE, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES HAVE BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE REFERENCED STANDARDS. A COPY OF EACH AFFIDAVIT, INDICATING THE PROJECT ON WHICH THE MATERIAL IS TO BE USED SHALL BE FORWARDED TO THE CITY OF HUDSON PRIOR TO THE PRECONSTRUCTION MEETING BEING SCHEDULED.
13. BOOSTER PUMPS ARE NOT PERMITTED ON SERVICE CONNECTIONS. THE CITY MAY GRANT SPECIAL PERMISSION FOR BUILDINGS FOUR STORIES AND HIGHER WITH AFIRE SUPPRESSION SYSTEM.
14. PROPOSED FACILITIES SHALL BE DESIGNED TO MAINTAIN A MINIMUM OF 35 PSI PRESSURE DELIVERED TO THE CURB STOP DURING NORMAL OPERATING CONDITIONS.
15. ALL WATER MAINS GREATER THAN 12 INCH DIAMETER SHALL BE LAID TO GRADE WITH HIGH POINTS AND LOW POINTS HAVING ADEQUATE BLOW-OFFS VIA USE OF HYDRANTS.
16. FOR ALL NON-RESIDENTIAL WATER SERVICE, A BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER CITY OF HUDSON AND OEPA STANDARDS AND REQUIREMENTS. FOR RESIDENTIAL WATER SERVICE A BACKFLOW PREVENTION DEVICE MAY BE REQUIRED FOR SWIMMING POOLS, IRRIGATION SYSTEMS, ETC. CONTACT THE CITY SERVICE/WATER DISTRIBUTION DEPARTMENT FOR THE REQUIREMENTS AND STANDARDS FOR BACKFLOW PREVENTION, THERMAL EXPANSION CONTROL, ETC.

17. ALL WATER METER SETTINGS MUST BE APPROVED BY THE CITY OF HUDSON. METERS SHALL BE MAGNETIC DRIVE, WITH A SCAN CODE REMOTE READ, MUST READ IN CUBIC FEET, SET WITH VALVES BEFORE AND AFTER THE METER. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO PROVIDE AND RUN A REMOTE WATER METER WIRE FROM THE PROPOSED WATER METER LOCATION TO THE VICINITY OF THE PROPOSED ELECTRIC METER LOCATION. CONTACT THE CITY SERVICE/WATER DISTRIBUTION DEPARTMENT FOR THE COMPLETE STANDARDS AND REQUIREMENTS FOR WATER METERS, PRESSURE REGULATORS, ETC.
18. FOR NEW WATER MAIN CONSTRUCTION THE DRAWINGS SHALL HAVE BEEN REVIEWED BY THE OHIO EPA AND WRITTEN APPROVAL RECEIVED PRIOR TO THE START OF CONSTRUCTION.



HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES





DATE: _____

REVISIONS		
Δ	DATE	DESCRIPTION
-	-	-
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PROJECT NO.:	17-00257-020
DRAWN BY:	NLM
CHECKED BY:	RJW
DATE ISSUED:	2018-10-15

CITY OF HUDSON
GENERAL NOTES

TYPICAL SECTION LEGEND

- 1

ITEM 203 – SUBGRADE COMPACTION AND PROOF ROLLING
- 2

ITEM 304 – 4" AGGREGATE BASE, LIMESTONE
- 3

ITEM 301 – 6" ASPHALT CONCRETE BASE (2–3" LIFTS)
- 4

ITEM 441 – 1 3⁄4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448) PG 64–22 LIMESTONE
- 5

ITEM 407 – TACK COAT FOR INTERMEDIATE COURSE (0.06 GAL./S.Y.)
- 6

ITEM 441 – 1 1⁄2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448) PG 64–22 LIMESTONE
- 7

ITEM 609 – CURB, TYPE 6
- 8

ITEM 659 – SEEDING AND MULCHING
- 9

ITEM 605 – 6" SHALLOW PIPE UNDERDRAIN, ASTM 3034, SDR35 W/ 3" BEDDING

10

ITEM SPECIAL – PAVEMENT REINFORCING FABRIC (IF REQUIRED BY CITY)

11

ITEM SPECIAL – GEOGRID (TENSAR TX–140S OR APPROVED EQUAL) (IF REQUIRED BY CITY)

12

ITEM 608 – 4" CONCRETE WALK WITH 3" 304 LIMESTONE BASE

13

– #57 LIMESTONE BEDDING AND BACKFILL

14

ITEM 304 – MIN 3" AGGREGATE BASE, LIMESTONE

15

ITEM 605 – 6" OR 8" STORM COLLECTOR AS SHOWN

16

– 4" TOPSOIL

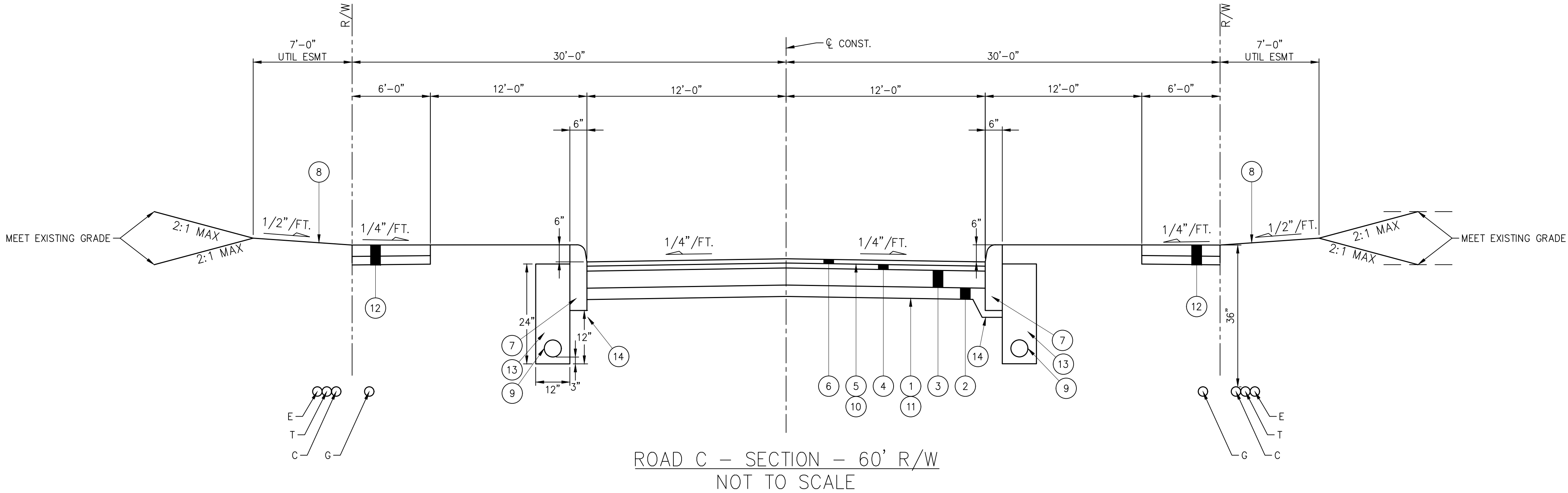
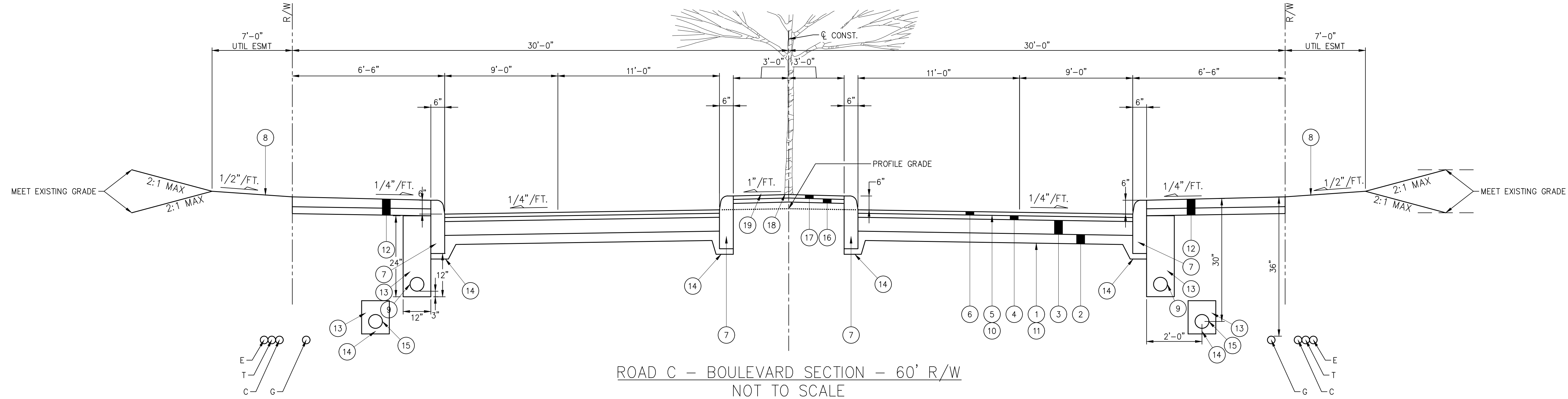
17

– 3" MULCH

18

– STREET TREE SEE SHEET 43

19

– PLANTINGS SEE SHEET 43

DATE: _____

REVISIONS		
Δ	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
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PROJECT NO.: 17-00257-020
DRAWN BY: NLM
CHECKED BY: RJW
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TYPICAL SECTIONS

TYPICAL SECTION LEGEND

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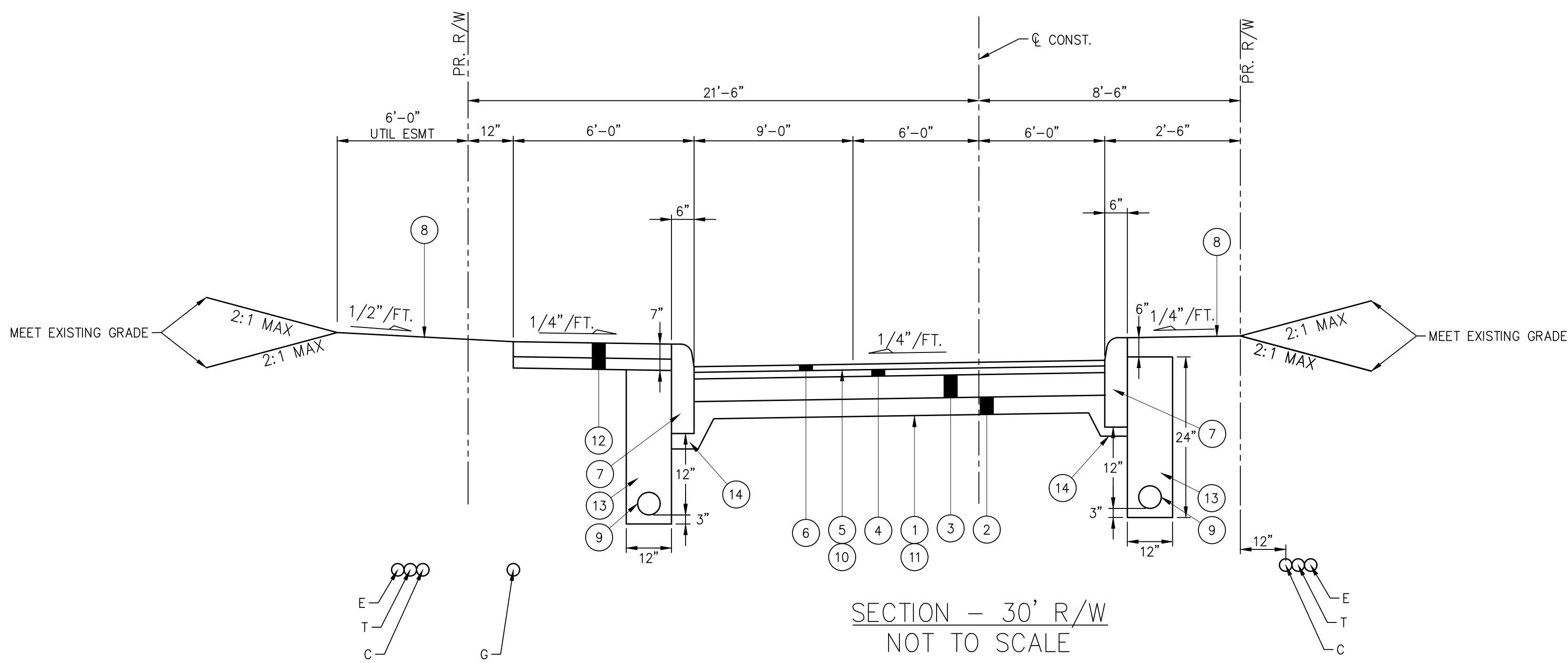
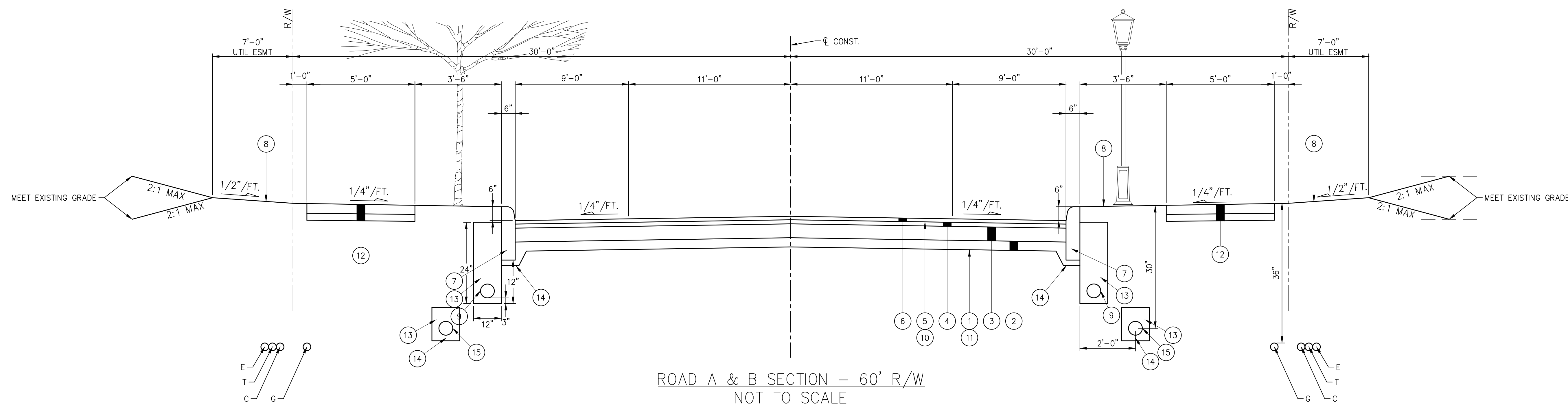
13

– #57 LIMESTONE BEDDING AND BACKFILL

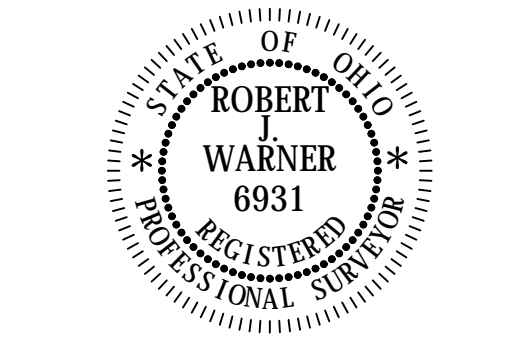
14

ITEM 304 – MIN 3" AGGREGATE BASE, LIMESTONE

15

ITEM 605 – 6" OR 8" STORM COLLECTOR AS SHOWN

HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



DATE: _____

REVISIONS		
Δ	DATE	DESCRIPTION
-	-	-
-	-	-
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PROJECT NO.: 17-00257-020
DRAWN BY: NLN
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

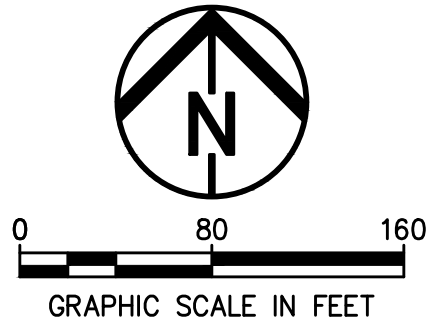
TYPICAL SECTIONS

E:\TESTA\COMPANIES\17-00257-020 FIRST & MAIN SITE DESIGN\CD00-25WPP-17-00257-020.dwg 8/23/2018 11:22:46 AM



LEGEND

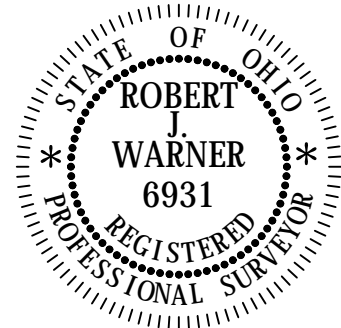
- XXX --- EXISTING CONTOURS
- XXX --- PROPOSED CONTOUR
- [Red Hatched Box] WETLAND TO BE FILLED
- [Blue Dotted Box] WETLAND TO REMAIN
- [Black Arrow] 100 YR FLOOD FLOW PATH



AKRON / CLEVELAND / COLUMBUS
HQ 450 GRANT ST., AKRON, OH 44311
P 330.375.1590 / F 800.835.1590
W ENVDESIGNGROUP.COM

Know what's below.
Call before you dig.

HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES

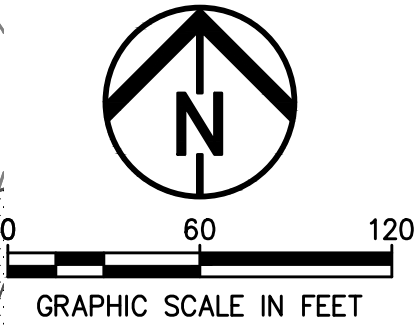
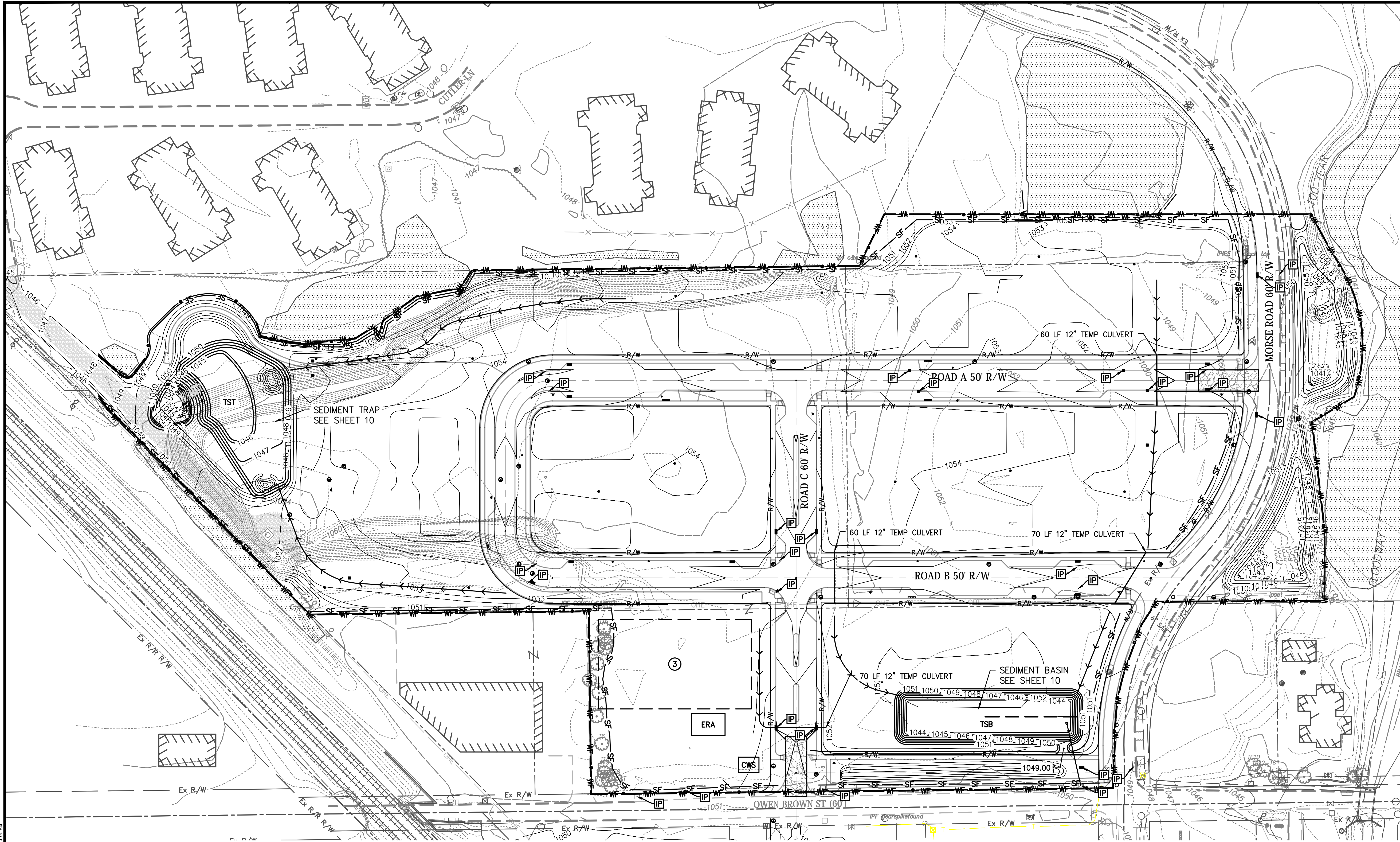


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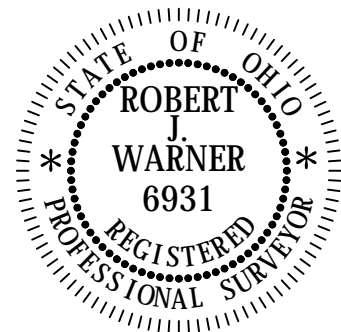
REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.:	17-00257-020
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OVERALL GRADING
PLAN



HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



DATE: _____		
REVISIONS		
△	DATE	DESCRIPTION
PROJECT NO.: 17-00257-020		
DRAWN BY: NLN		
CHECKED BY: RJW		
DATE ISSUED: 2018-10-15		

SWPP PLAN PHASE 2A

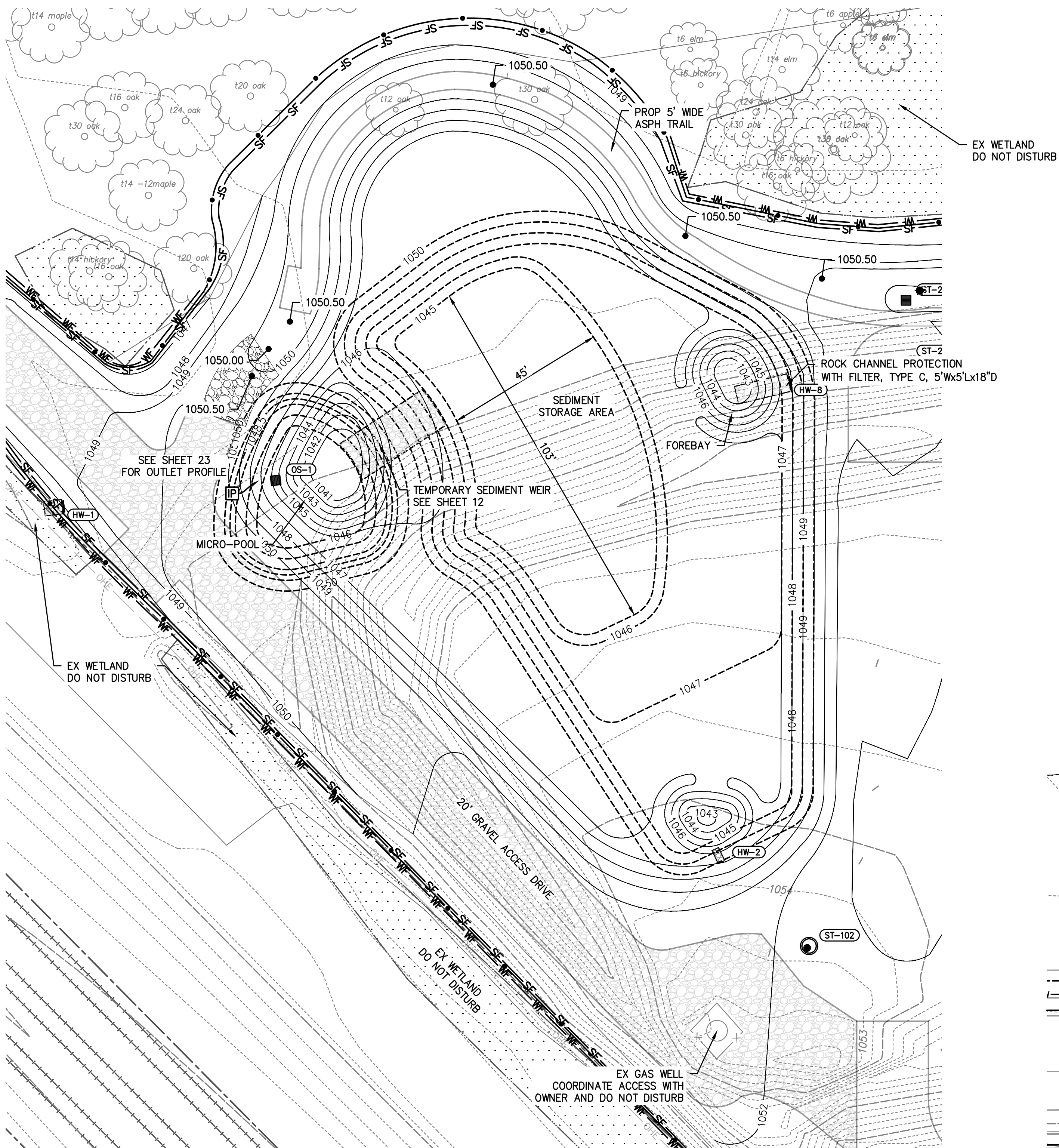
SWPP NOTES

- ALTHOUGH SILT FENCE IS SHOWN AS CONTINUOUS LINE ON PLAN, CONTRACTOR SHALL INSTALL SILT FENCE IN SECTIONS PARALLEL WITH THE CONTOURS ON STEEPLY SLOPED AREAS TO ENSURE SEDIMENT IS TRAPPED BY SILT FENCE.
- ALL DISTURBED AND PROPOSED SWALES SHALL HAVE DITCH EROSION PROTECTION ALONG THE ENTIRE LENGTH OF THE SWALE AS SHOWN ON THE DETAILS.
- SITE FOR POTENTIAL CONTRACTOR STAGING AREA. CONTRACTOR SHALL NEGOTIATE WITH PROPERTY OWNER FOR USE OF THIS PROPERTY. IF THE CONTRACTOR CHOOSES TO LOCATE A DIFFERENT SITE FOR STAGING, THEN THE CONTRACTOR SHALL CREATE HIS OWN SWPP PLAN AND SUBMIT IT TO THE ENGINEER FOR APPROVAL.

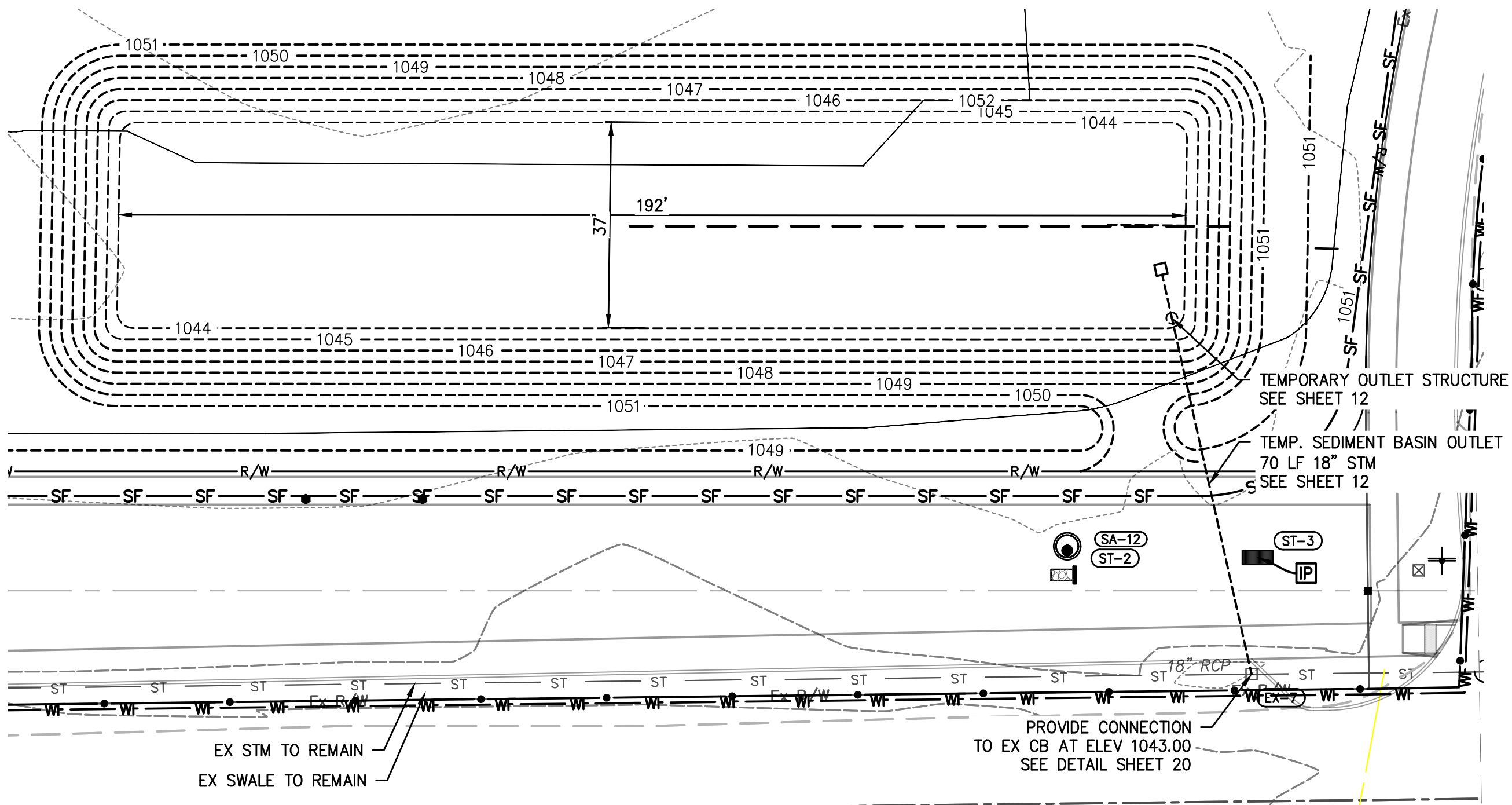
SWPP LEGEND

	CONSTRUCTION LIMITS - (15.12 Ac.)		EXISTING CONTOURS
	SILT FENCE SILT SOCK		PROPOSED CONTOUR
	WETLAND PROTECTION FENCE		TEMPORARY CONSTRUCTION DRIVE
	TEMPORARY DIVERSION SWALE		CWS CONCRETE WASHOUT STATION
	SOLID BAFFLE		TSB TEMPORARY SEDIMENT BASIN
	INLET PROTECTION		TST TEMPORARY SEDIMENT TRAP
			ERA EQUIPMENT REFUELING AREA

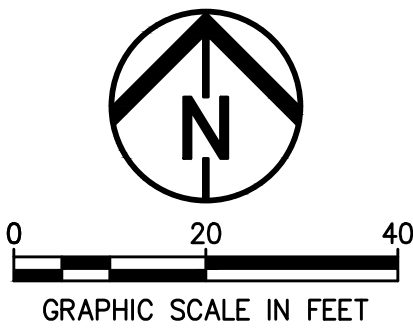
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BLOCK N
SEDIMENT TRAP



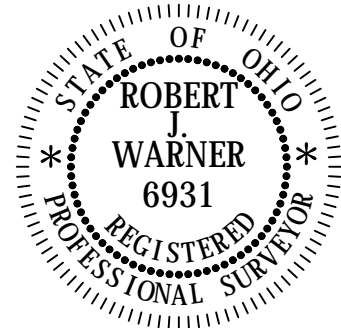
BLOCK D
SEDIMENT BASIN



LEGEND

- XXX--- EXISTING CONTOURS
- XXX--- PROPOSED CONTOUR
- TEMPORARY SWPP GRADING CONTOUR
- [IP] INLET PROTECTION (9/12)
- [SF] SILT FENCE (2/12)
- [S] SILT SOCK (3/12)
- [CL] CONSTRUCTION LIMITS
- [WF] WETLAND PROTECTION FENCE (3/13)

HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



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SWPP PLAN

STORMWATER POLLUTION PREVENTION PLAN NOTES

1. CONSTRUCT IN ACCORDANCE WITH THESE PLANS, THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD CONSTRUCTION DRAWING DM-4.4 AND THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006). THE IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) UNDER NPDES PERMIT #0HC000005. IF CONFLICTS EXIST REGARDING THE SOIL AND SEDIMENT CONTROL PRACTICES, THE MORE RESTRICTIVE SHALL APPLY.
2. STABILIZATION OF DISTURBED AREAS – DISTURBED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FOURTEEN (14) DAYS. FOR AREAS WITHIN FIFTY (50) FEET OF ANY LIVE STREAM, SOIL STABILIZATION PRACTICES SHALL BE INITIATED WITHIN TWO (2) DAYS ON ALL INACTIVE, DISTURBED AREAS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.
3. INSTALL ALL EROSION/SEDIMENT CONTROL ITEMS BEFORE ANY CLEARING/GRUBBING OR EARTHWORK HAS STARTED.
4. PROTECT UNDISTURBED AREAS THROUGHOUT CONSTRUCTION. DO NOT STORE EQUIPMENT, VEHICLES OR MATERIALS IN THESE PROTECTED AREAS.
5. SEEDING AND FERTILIZER FOR PERMANENT COVER SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
6. MULCHING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
7. TOPSOILING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
8. EXCELSIOR MATTING/EROSION CONTROL BLANKETS WILL BE USED ON TEMPORARY DIVERSION CHANNELS AND DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES STEEPER THAN 6%. EXCELSIOR MATTING/EROSION BLANKETS SHALL BE USED.
9. SILT FENCE AND/OR SILT SOCK SHALL BE AS DETAILED ON THE DRAWINGS.
10. ROCK CHANNEL PROTECTION SHALL BE AS SPECIFIED IN ODOT CMS ITEM 703.19, TYPE C ROCK.
11. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORMWATER RUNOFF.
12. OFF-SITE VEHICLE TRACKING OF SEDIMENTS WILL BE MINIMIZED. ALL OFF-SITE TRACKING OF SEDIMENT SHALL BE CLEANED UP AS IT OCCURS.
13. SEDIMENT TRAPS AND BASINS WILL BE USED FOR TEMPORARY EROSION CONTROL.
14. OTHER EROSION CONTROL AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
15. A PRE-CONSTRUCTION MEETING IS REQUIRED WITH SUMMIT S.W.C.D. (330-929-2871) PRIOR TO BEGINNING WORK.
16. TRUCK WASHOUT AND DISCHARGE OF SURPLUS WASH WATER ON SITE IS PERMITTED EXCLUSIVELY IN THE DESIGNATED AREA.
17. WINTERIZATION – ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 14 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH 1.
18. TRENCH WATER MUST BE PUMPED THROUGH A SEDIMENT SETTLING FACILITY OR EQUALLY EFFECTIVE DEVICE PRIOR TO DISCHARGE FROM THE SITE.
19. STAGING, STORAGE, FUELING AND VEHICLE PARKING ARE SHOWN ON THE SWPP PLAN. IF THE CONTRACTOR WANTS TO UTILIZE A DIFFERENT LOCATION FOR THESE FUNCTIONS, HE SHALL REVISE THE SWPP PLAN AND SUBMIT IT TO SUMMIT S.W.C.D. FOR APPROVAL.
20. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES.
21. DISTURBED AREAS REMAINING DORMANT FOR OVER A YEAR AT THE FINAL GRADE WILL HAVE A PERMANENT COVER APPLIED WITHIN 7 DAYS OF LAST DISTURBANCE.

MAINTENANCE AND INSPECTION:
PERMANENT RECORDS OF MAINTENANCE AND INSPECTION MUST BE MAINTAINED THROUGHOUT CONSTRUCTION A MINIMUM OF ONCE EVERY 7 DAYS AND AFTER STORM

EVENTS GREATER THAN 0.5 INCH IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN.

REPAIRS:

ANY EROSION CONTROL MEASURES, STRUCTURES, DEVICES, OR RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 7 DAYS.

MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING PRACTICES SHALL BE EXECUTED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUN-OFF. THE JOB SITE SUPERINTENDENT IS RESPONSIBLE FOR ENSURING THESE PRACTICES ARE FOLLOWED:

1. STORE THE MINIMUM AMOUNT OF PRODUCT REQUIRED TO COMPLETE THE JOB, IF POSSIBLE, UNDER ROOF OR IN A CONTAINMENT AREA. PRODUCTS SHALL REMAIN IN THEIR ORIGINAL CONTAINER. LABEL MUST BE LEGIBLE
2. MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR USE AND DISPOSAL.
3. PRODUCT TO BE USED ENTIRELY (WHEN POSSIBLE) PRIOR TO DISPOSING.
4. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES USED ON THE SITE SHALL BE OBTAINED AND POSTED IN THE IMMEDIATE AREA OF PRODUCT STORAGE AND SHALL BE USED FOR PROPER MANAGEMENT OF POTENTIAL WASTE.
5. ALL HAZARDOUS WASTE MATERIAL WILL BE DISPOSED BY THE CONTRACTOR IN A MANNER SPECIFIED BY LOCAL, STATE OR FEDERAL REGULATIONS AND PER MANUFACTURERS RECOMMENDATIONS.
6. ALL PERSONNEL SHALL BE TRAINED IN THE PROPER HANDLING AND CLEAN UP OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR WASTE SHALL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF NECESSARY, THE CONTAMINATED STORMWATER WILL BE HELD ON SITE UNTIL IT MEETS LOCAL, STATE AND FEDERAL REGULATIONS.
7. IN THE EVENT OF A SPILL THE FOLLOWING PROCEDURES MUST BE FOLLOWED:
 - A. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 - B. THE PROJECT MANAGER AND ENGINEER OF RECORD IMMEDIATELY NOTIFIED.
 - C. ANY SPILLS OF TOXIC OR HAZARDOUS MATERIALS MUST BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AGENCY. THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) MUST BE NOTIFIED WHEN A SPILL EXCEEDS THE REPORTABLE QUANTITY OF A SUBSTANCE. THE SUBSTANCES AND AMOUNTS ARE LOCATED IN FEDERAL REGULATIONS (40 CFR 110, 114 AND 302).
 - D. IF A SPILL EXCEEDS A REPORTABLE QUANTITY, THE SWPP PLAN MUST BE MODIFIED WITHIN 7 DAYS PROVIDING A DESCRIPTION, DATE AND INCIDENT OF THE RELEASE.
8. THE MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME ASPHALT, SOAPS AND SOLVENTS USED IN CLEANING VEHICLES, WASHOUT OF CONCRETE, PAINT OR STUCCO, FORM RELEASE OILS, OR CURING COMPOUNDS SHALL BE AWAY FROM STORM WATER DRAINAGE WAYS.
9. FUEL TANKS MUST HAVE SECONDARY CONTAINMENT IN THE EVENT OF A LEAK OR SPILL.
10. OPEN BURNING ON SITE IS A PROHIBITED ACTIVITY.
11. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE SHALL BE DISPOSED OF AT AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE 3714 AND LOCAL REGULATIONS.

PRODUCT SPECIFIC PRACTICES:

1. PETROLEUM – PETROLEUM PRODUCTS WILL BE STORED IN CLEARLY LABELED TIGHTLY SEALED CONTAINERS. ANY ON SITE PETROLEUM STORAGE TANKS WILL HAVE A CONTAINMENT STRUCTURE AROUND IT FOR POTENTIAL SPILLS. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED WHEN ANY ASPHALT SUBSTANCES ARE USED ON SITE.
2. FERTILIZERS – THE MANUFACTURER'S RECOMMENDED MINIMAL AMOUNTS SHALL BE APPLIED AND WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. THE CONTENTS OF ANY PARTIALLY USED BAGS WILL BE TRANSFERRED TO SEALABLE PLASTIC BINS AND STORED UNDER COVER, AWAY FROM STORMWATER DRAINAGE WAYS.

<u>SITE LOCATION INFORMATION</u>		LATITUDE:	41°14'39.6"N
		LONGITUDE:	81°26'47.9"W
CITY OF HUDSON	SUMMIT	OH	
CITY, VILLAGE, TOWNSHIP	COUNTY	STATE	
BRANDYWINE CREEK			
NAME OF WATERSHED/IMMEDIATE RECEIVING WATER(S)			
95 OWEN BROWN STREET HUDSON, OHIO			
SITE ADDRESS			
TESTA COMPANIES		(330) 928-1988	
DEVELOPER		PHONE	
2335 2nd St, Cuyahoga Falls, OH 44221			
DEVELOPER ADDRESS			
HYDROLOGIC SOIL GROUPS:			
Tr – Trumbull silt loam, 0 to 2 percent slopes			
MgA – Mahoning silt loam, 0 to 2 percent slopes			
MgB – Mahoning silt loam, 2 to 6 percent slopes			
Mn – Mahoning–Urban land complex, 0 to 2 percent slopes			
EIC2 – Ellsworth silt loam, 6 to 12 percent slopes, eroded			
Uf – Udorthents, sanitary landfill			
Or – Orrville silt loam			

SITE DESCRIPTION

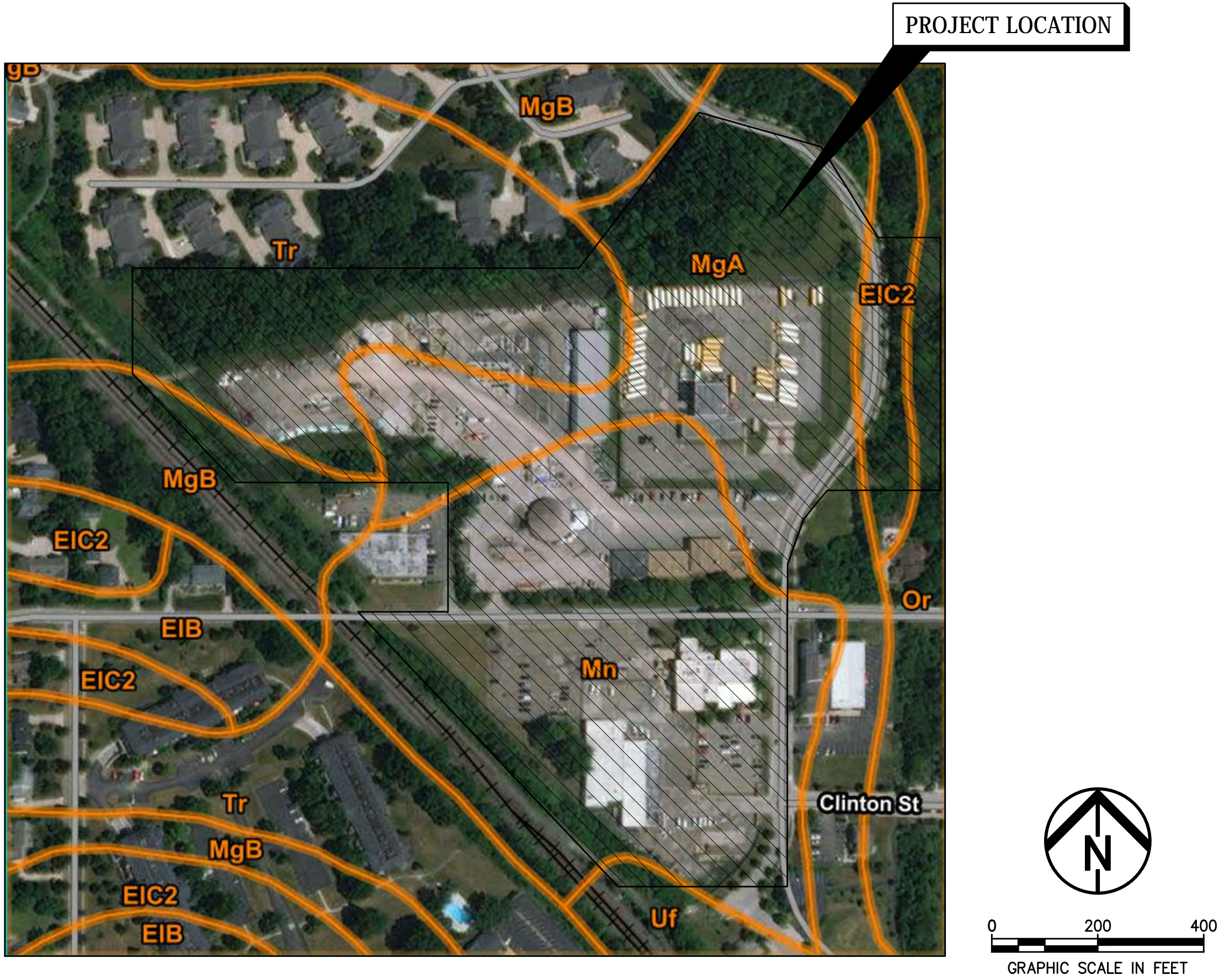
	MARK ONE	TOTAL AREA	–	13.7 AC
SUBDIVISION	–	PRE-DEV CURVE NO.	–	91
COMMERCIAL	–	POST DEV CURVE NO.	–	90
RESIDENTIAL	● –	AREA TO BE CLEARED	–	1.64 AC
PUD	–	AREA TO BE EXCAVATED	–	10.46 AC
OTHER	–	PRE-DEV IMPERVIOUSNESS	–	65%
		POST DEV IMPERVIOUSNESS	–	56%

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

	2020						2019					
	J	F	M	A	M	J	J	A	S	O	N	D
CLEARING/DEMOLITION								●	●	●		
ROUGH GRADING								●	●		●	
UTILITIES										●	●	●
FINE GRADING				●	●							
PAVING						●						
TOPSOIL AND SEEDING							●					
LANDSCAPING												
POST CONSTRUCTION BMPS												
TEMPORARY EROSION CONTROL	●	●	●	●	●	●	●	●	●	●	●	●

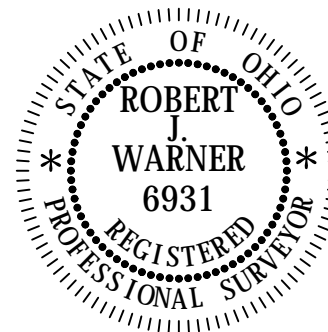
ACCEPTABLE EROSION CONTROL TIMETABLE

	J	F	M	A	M	J	J	A	S	O	N	D
TEMPORARY SEEDING	●	●	●	●	●	●	●	●	●	●	●	●
PERMENANT SEEDING												
LANDSCAPING	●	●	●	●	●	●	●	●	●	●	●	●
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●
MAINTENANCE	●	●	●	●	●	●	●	●	●	●	●	●



SOILS MAP

**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**



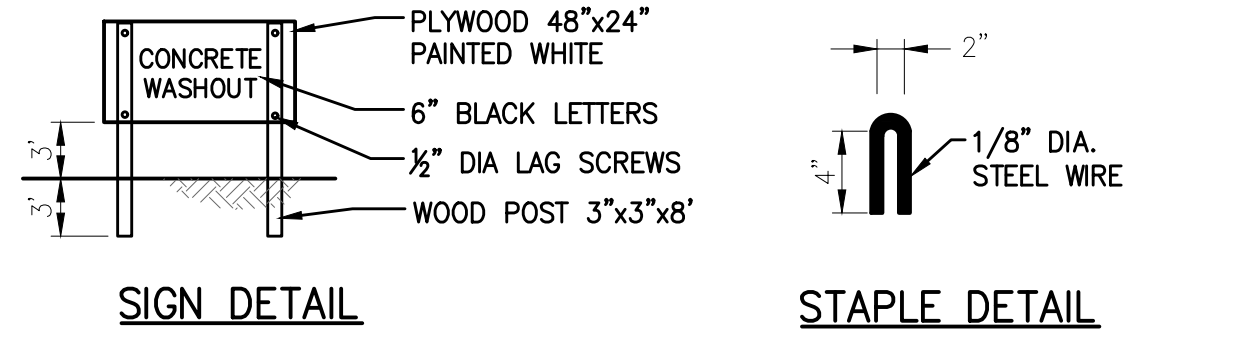
DATE: _____

REVISIONS		
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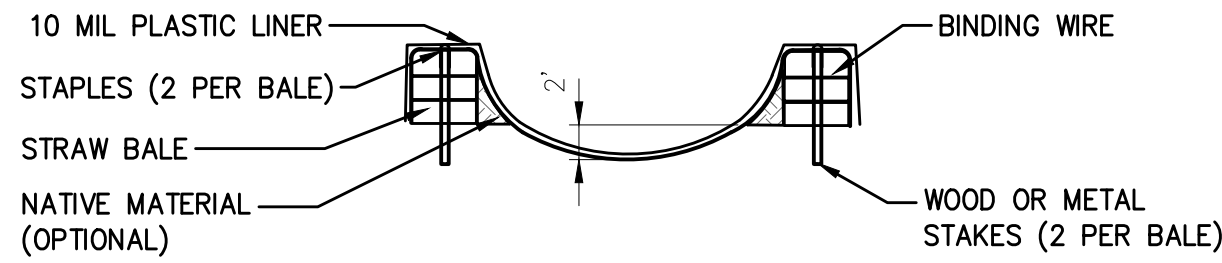
SWPP NOTES

- NOTES:
1. ACTUAL LAYOUT AND SIZE DETERMINED IN THE FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY WASHOUT FACILITY.
 3. AS WASHOUT BECOMES FULL, IT SHALL BE REMOVED AND REPLACED.
 4. AFTER CONSTRUCTION COMPLETION, CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE WASHOUT AND SHALL RESTORE AREA AS SHOWN ON PLANS.



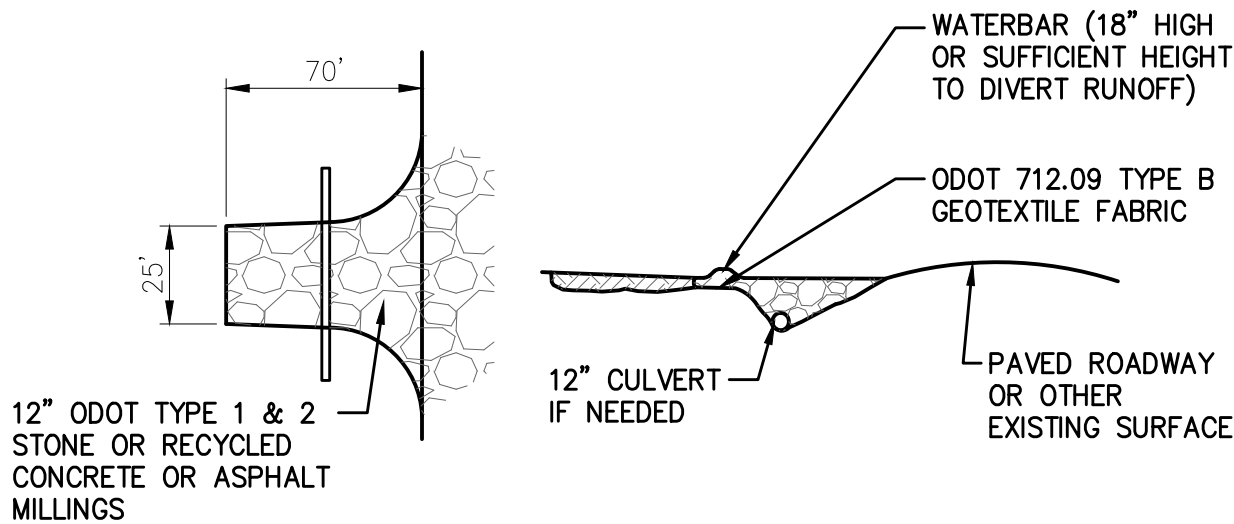
SIGN DETAIL

STAPLE DETAIL



SECTION A-A

1 CONCRETE WASHOUT STATION DETAIL
12 NOT TO SCALE

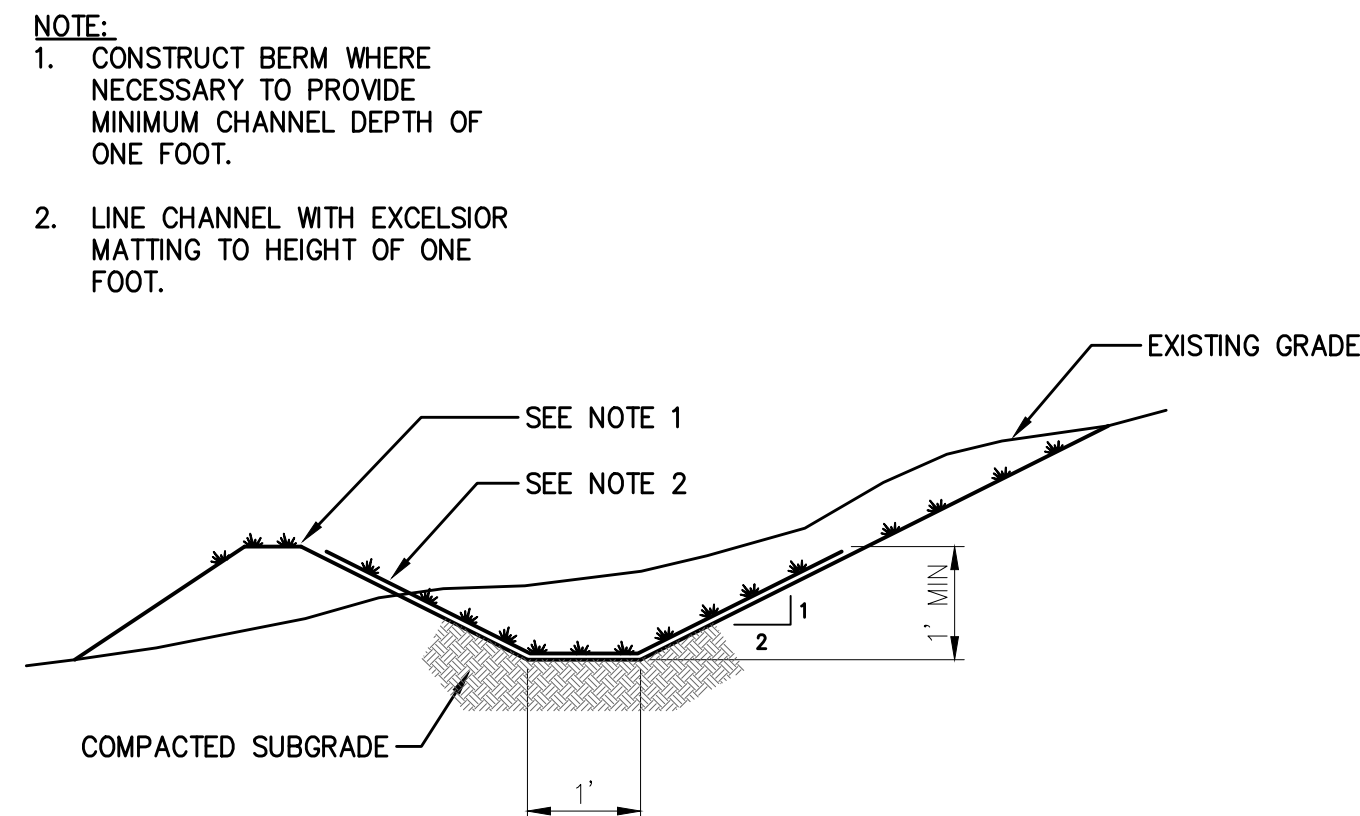


PLAN

SECTION

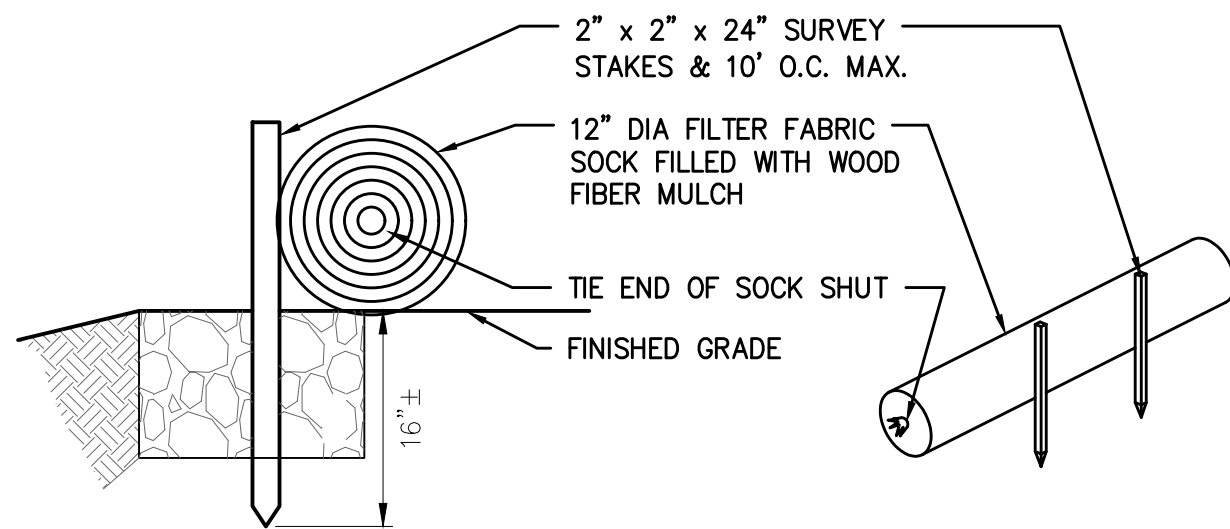
- NOTES:
1. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED AWAY ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
 2. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
 3. WHEN THE CONSTRUCTION HAUL ROAD IS NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE THE AGGREGATE AND RESTORE GRADE TO IT'S ORIGINAL ELEVATION OR AS SHOWN ON THE PLANS.

5 TEMPORARY CONSTRUCTION DRIVE DETAIL
12 NOT TO SCALE



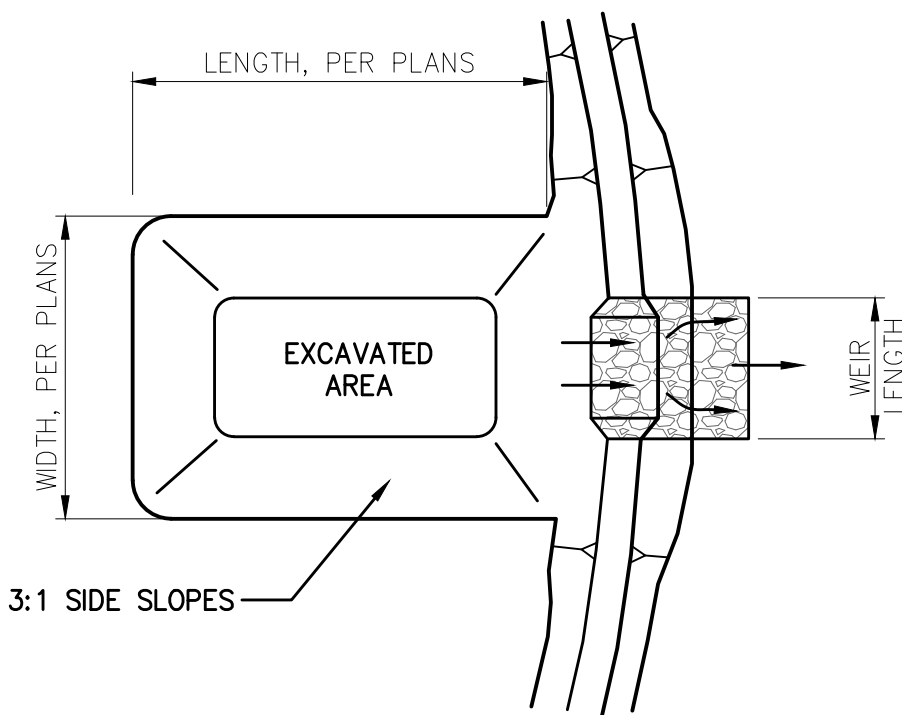
8 TEMPORARY DIVERSION CHANNEL DETAIL
12 NOT TO SCALE

- NOTES:
1. WATTLES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING
 2. EACH BALE SHALL BE PLACED ON PAVEMENT SURFACE. MAINTAIN EROSION CONTROL DEVICE UNTIL PLANTS ARE ESTABLISHED AND THE BIOSWALE SOIL MIX IS STABILIZED.
 3. WATTLES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES OR RE BARS DRIVEN THROUGH THE WATTLES. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE WATTLES TOGETHER.
 4. THE CONTRACTOR SHALL INSPECT THE DIKE AFTER EACH STORM, AND BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SILT SOCK, BIOSWALE SOIL MIX AND PLANTINGS. REPAIRS SHALL BE MADE PROMPTLY AS NEEDED.
 5. WATTLES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

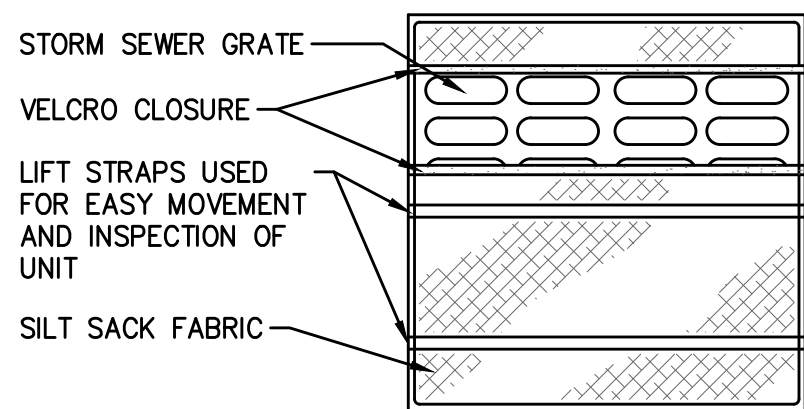


2 SILT SOCK DETAIL
12 NOT TO SCALE

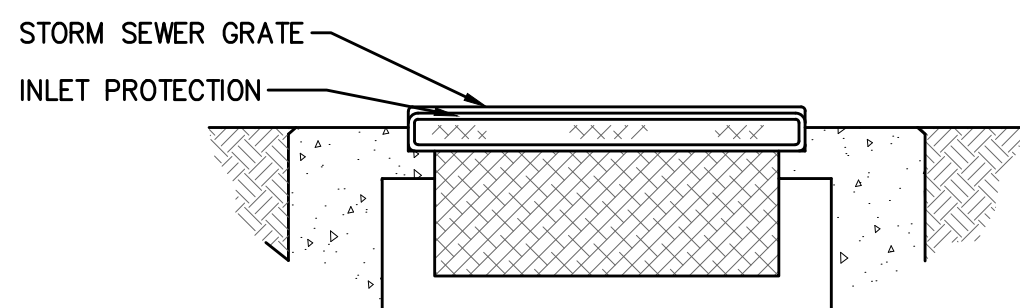
- NOTE:
1. CONTRACTOR SHALL MARK IN FIELD THE SEDIMENT CLEANOUT ELEVATION.
 2. BAFFLES ARE REQUIRED FOR SEDIMENT TRAPS WITH A FLOW LENGTH OF LESS THAN 2:1.



6 SEDIMENT TRAP DETAIL
12 NOT TO SCALE



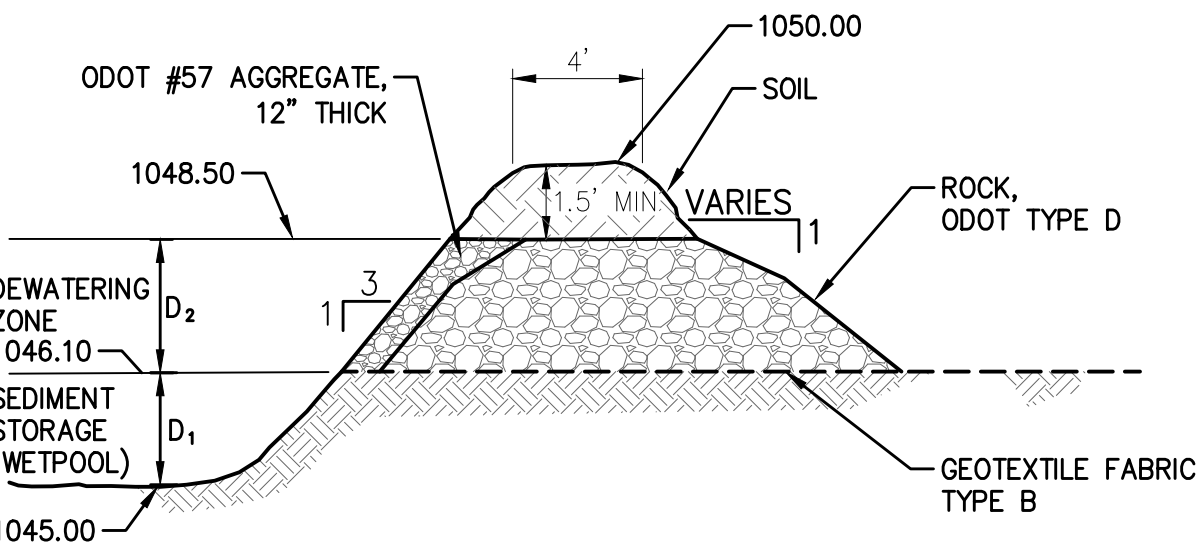
PLAN



SECTION

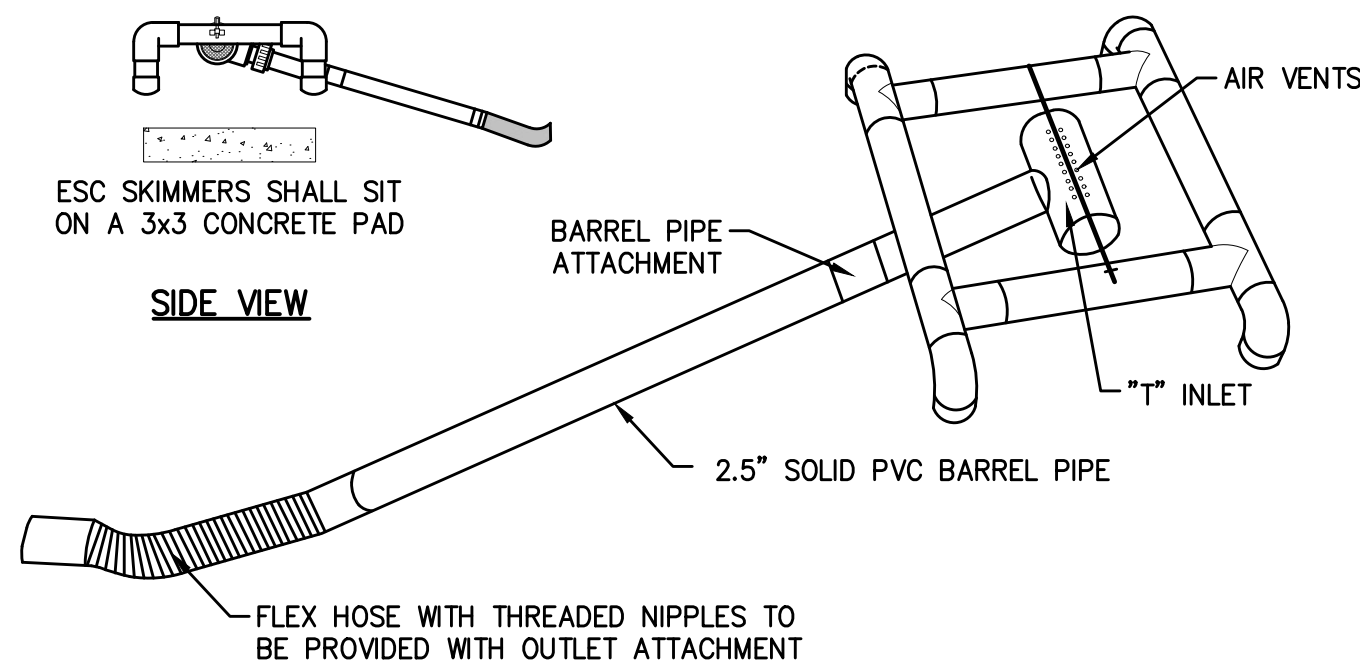
9 INLET PROTECTION DETAIL - SILT SACK
12 NOT TO SCALE

SEDIMENT TRAP	BOTTOM LENGTH	BOTTOM WIDTH	D1	D2	WER LENGTH	CLEANOUT ELEV
1	103	48	1.10	2.40	11.85	1045.55



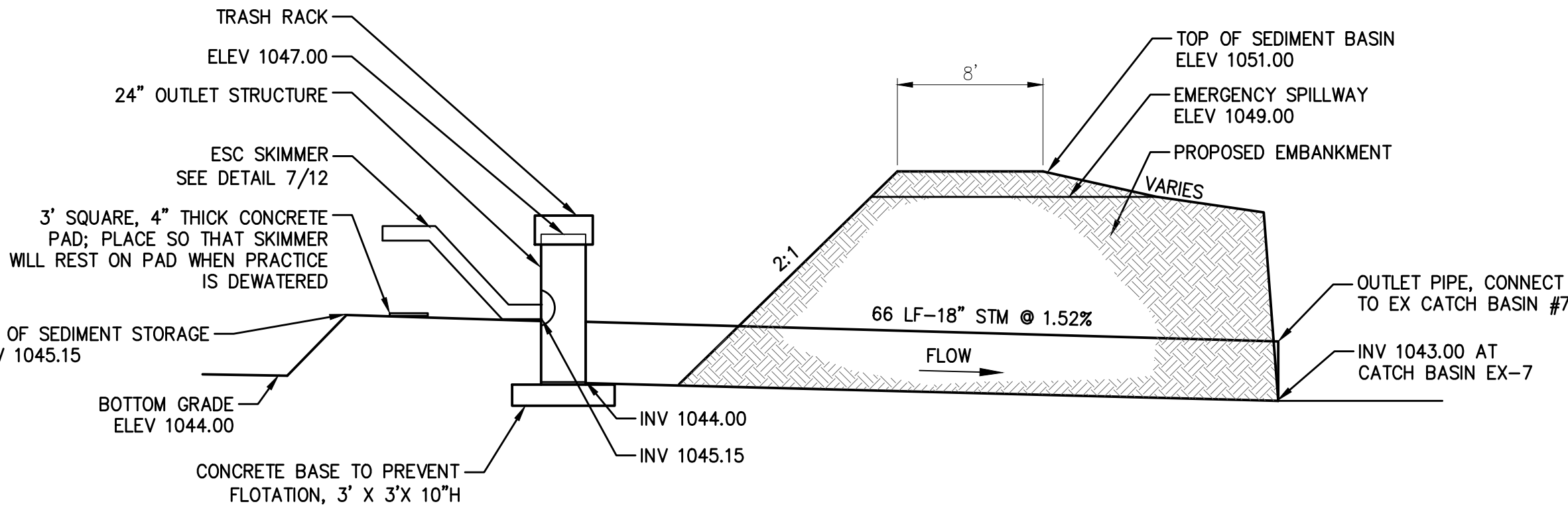
SECTION

7 ESC SKIMMER DETAIL (2.5")
12 NOT TO SCALE

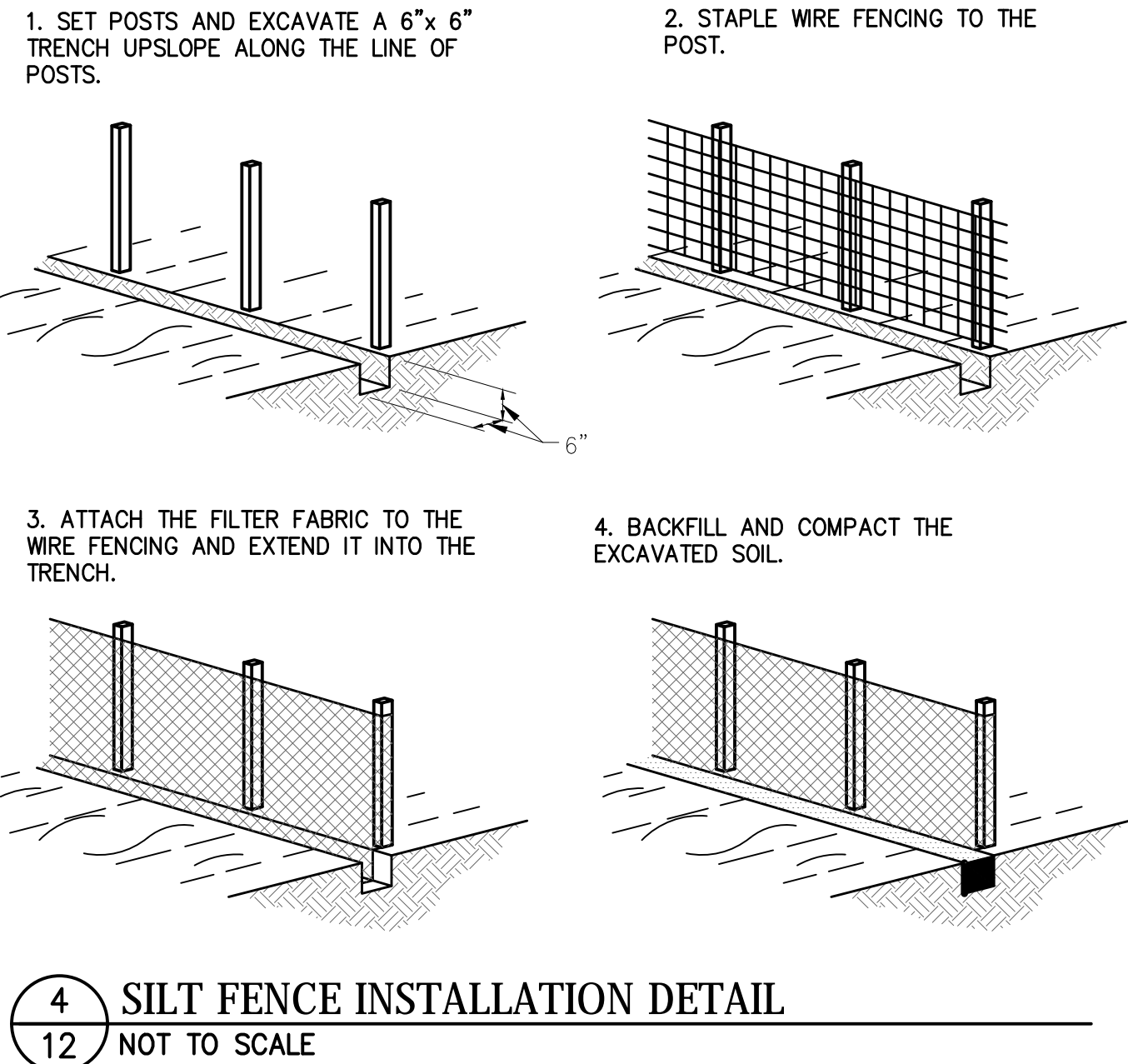


SIDE VIEW

- NOTE:
1. CLEANOUT ELEVATION = 1044.60. CONTRACTOR SHALL MARK IN FIELD THE SEDIMENT CLEANOUT ELEVATION.
 2. PROVIDE GUIDE POSTS WITH WIRE FOR SKIMMER.
 3. BAFFLES ARE REQUIRED FOR SEDIMENT TRAPS WITH A FLOW LENGTH OF LESS THAN 2:1.



10 TEMPORARY SEDIMENT BASIIN OUTLET STRUCTURE DETAIL
12 NOT TO SCALE



4 SILT FENCE INSTALLATION DETAIL
12 NOT TO SCALE

- NOTES:
1. SOLID BARREL PIPE INCLUDED.
 2. UNION SEPARATES FOR INSTALLATION OF PROVIDED ORIFICE.
 3. FLEX HOSE TO BE PROVIDED WITH OUTLET STRUCTURE CONNECTION.
 4. SKIMMER/SURFACE DRAIN. 5592 CUBIC FEET PER DAY.
 5. 2.5-INCH SKIMMER REQUIRED WITH 2.31-INCH ORIFICE.
 6. DRAIN AND VENTS FULLY ENCLOSED BY FRAME.
 7. SHIPPED ASSEMBLED. CONTRACTOR SHALL ATTACH TO STRUCTURE.

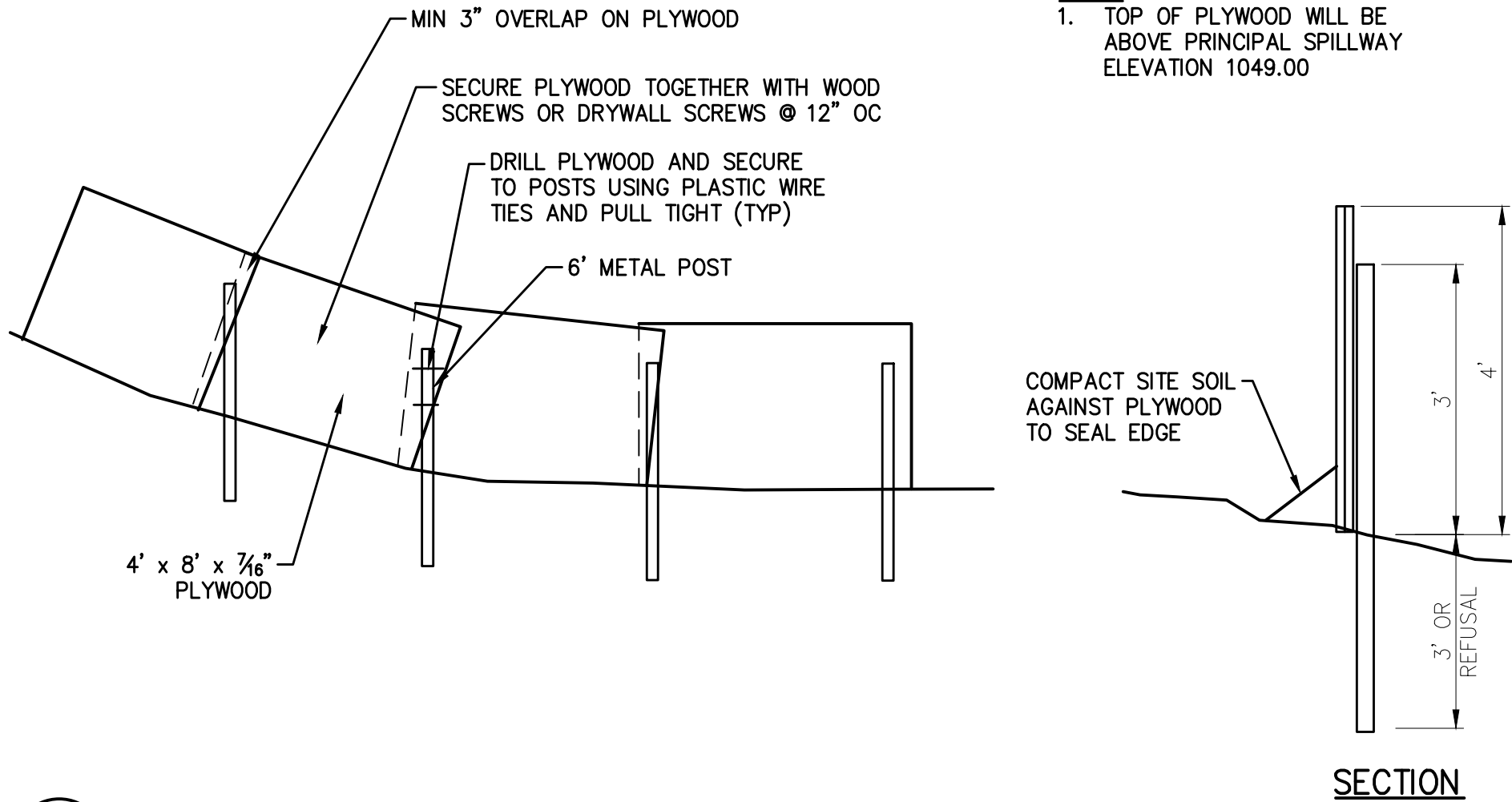
HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES

DATE: _____

REVISIONS	DATE	DESCRIPTION
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PROJECT NO.: 17-00257-020
DRAWN BY: NLN
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

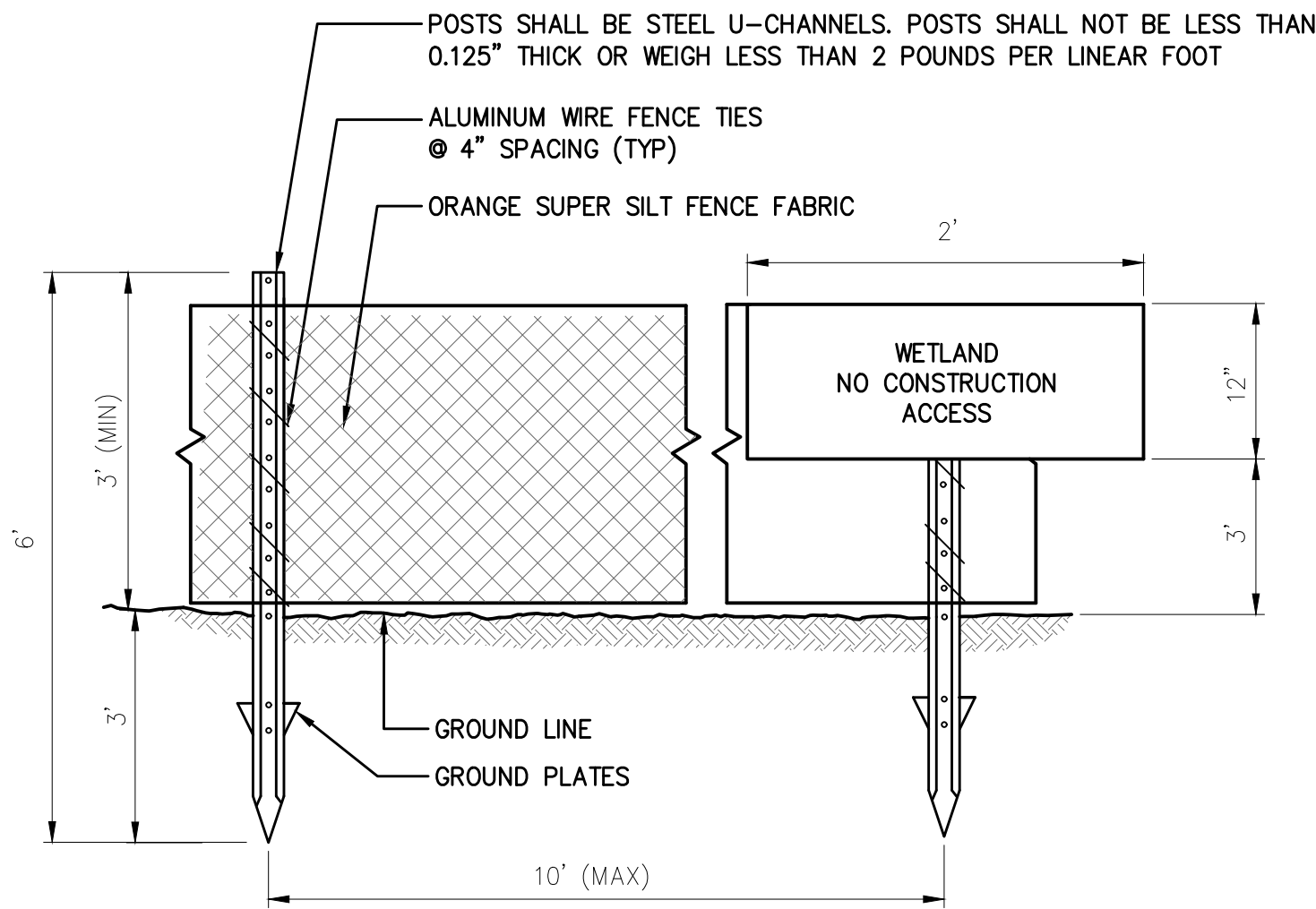
SWPP DETAILS



1 SOLID BAFFLE DETAIL
13 NOT TO SCALE

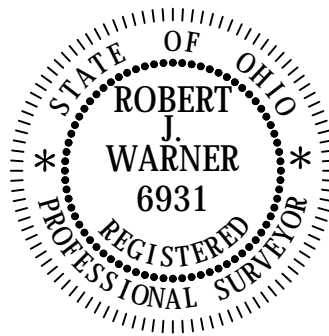
NOTE:
1. TOP OF PLYWOOD WILL BE ABOVE PRINCIPAL SPILLWAY ELEVATION 1049.00

- NOTES:
- FENCING SHALL BE INSTALLED ALONG THE PERIMETER OF WETLAND AREA PRIOR TO START OF CONSTRUCTION AS INDICATED ON THE DRAWINGS. SIGNS WILL BE INSTALLED AT 50 FEET OC ALONG THE FENCED IN PROTECTION. SIGNS AND FENCING SHALL BE MAINTAINED THROUGHOUT THE PROJECT AND REMOVED AS DIRECTED BY THE ENGINEER.
 - INSTALL FENCE FABRIC ON WINDWARD SIDE OF POSTS.



2 WETLAND PROTECTION FENCE DETAIL
13 NOT TO SCALE

HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



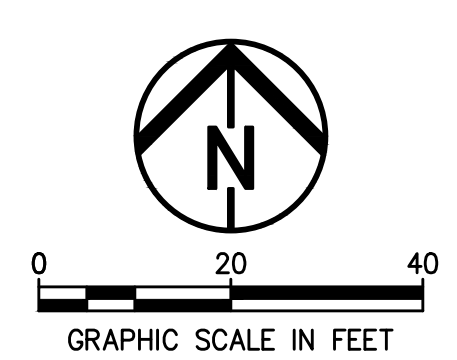
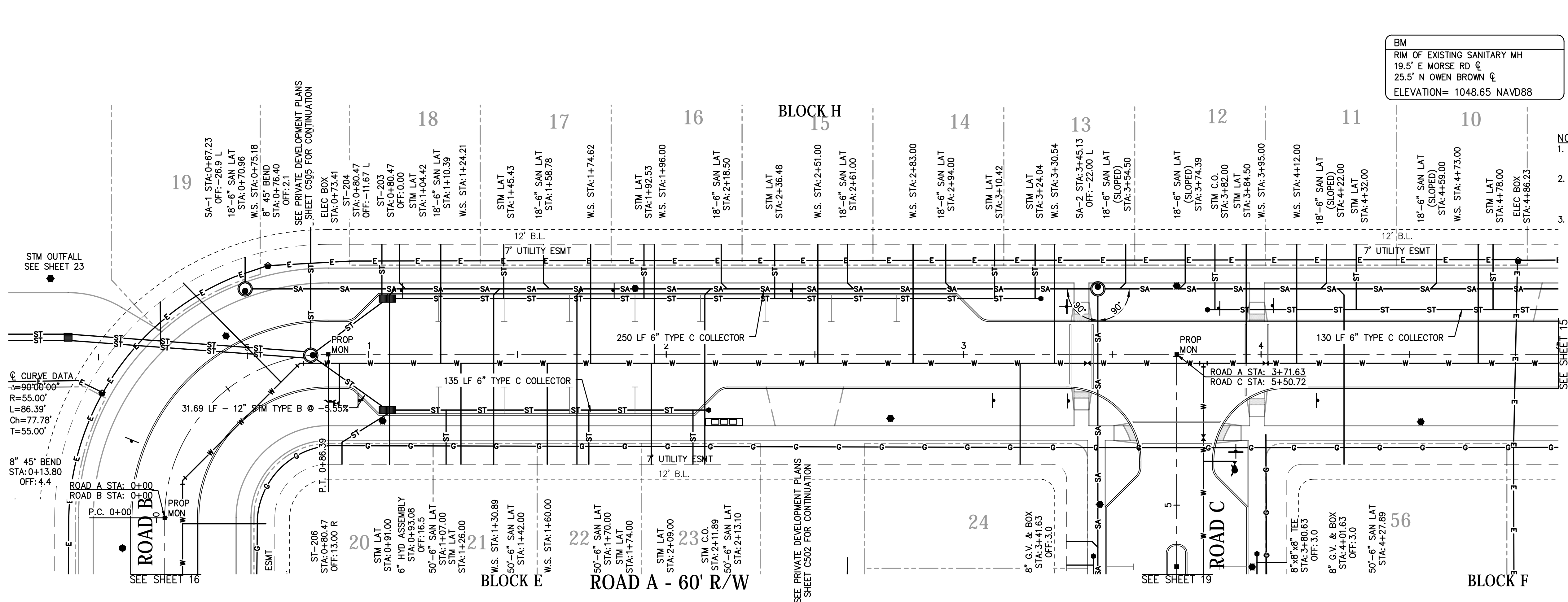
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PROJECT NO.:	17-00257-020
DRAWN BY:	NLM
CHECKED BY:	RJW
DATE ISSUED:	2018-10-15

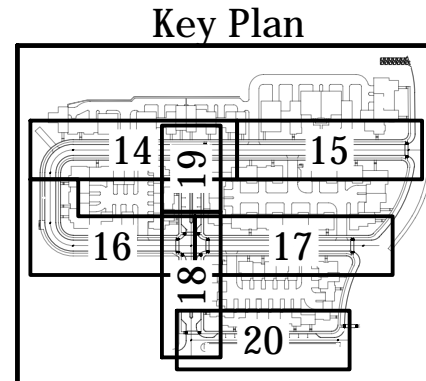
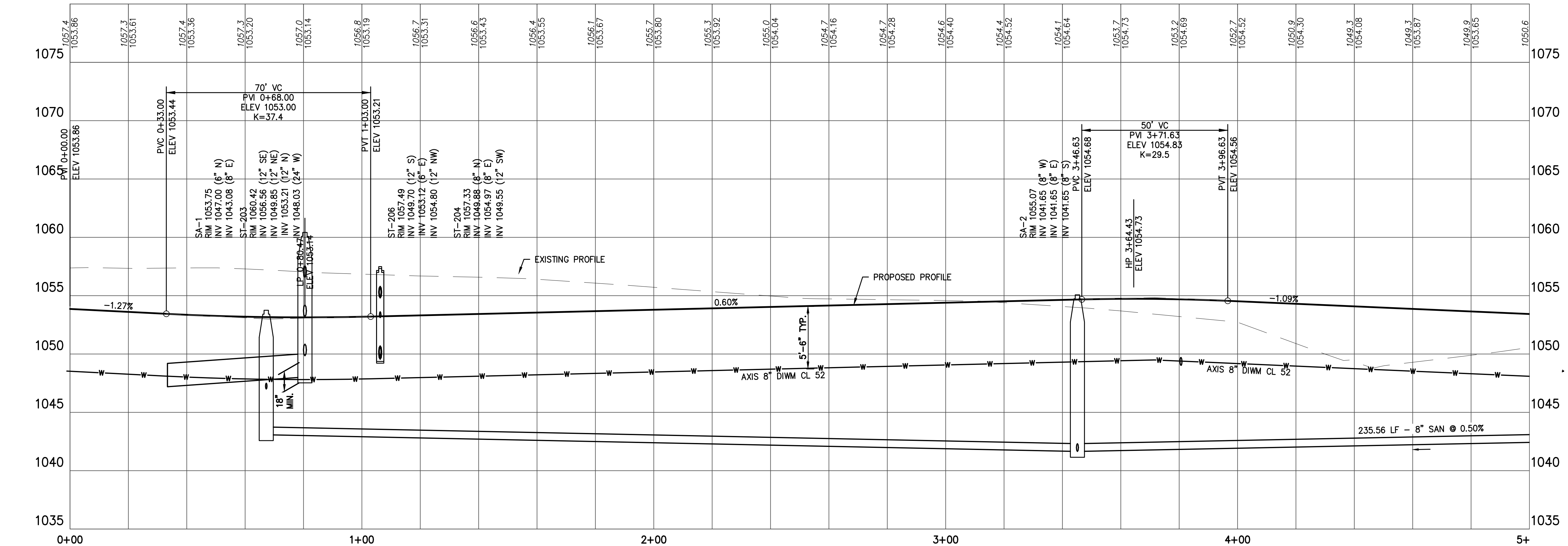
SWPP DETAILS

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BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION= 1048.65 NAVD88

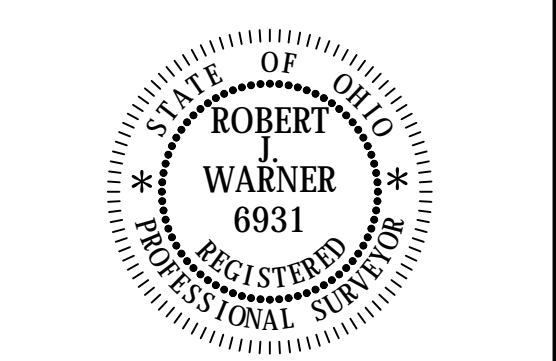
- NOTES:
1. CURB INLET RIM=TOP OF CURB AT CENTER OF INLET
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 3. MAINTAIN 18" CLEARANCE BETWEEN WATER LINE AT ALL CROSSINGS



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**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**



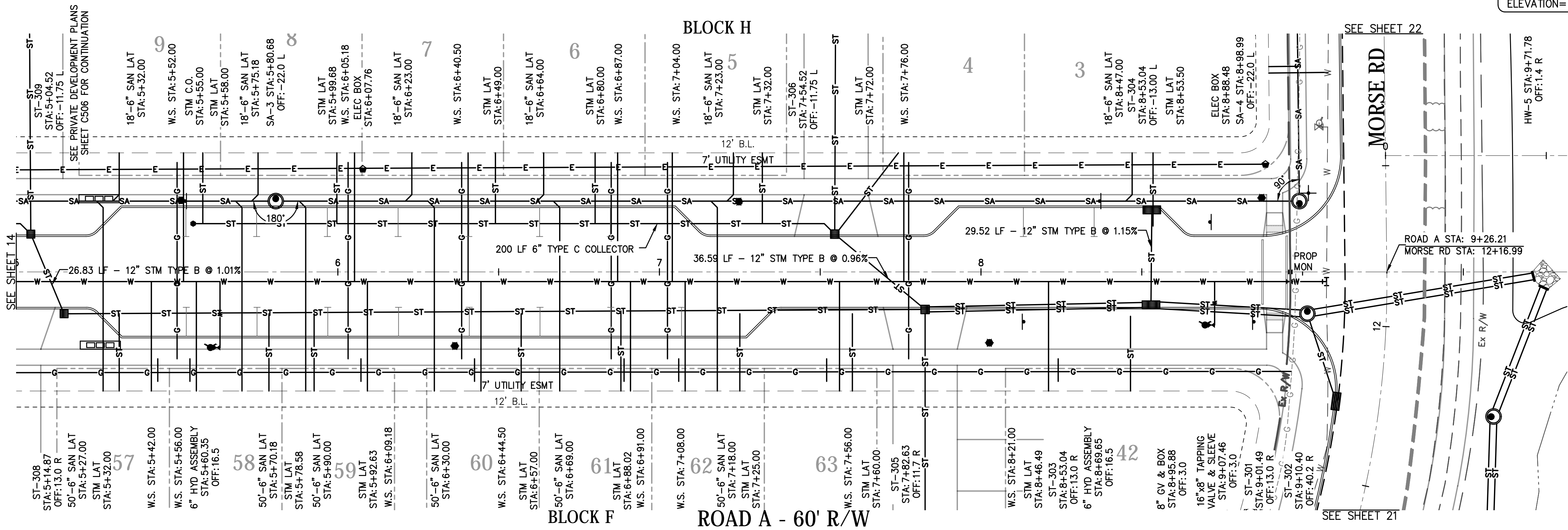
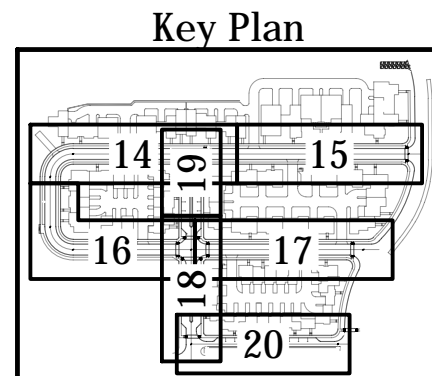
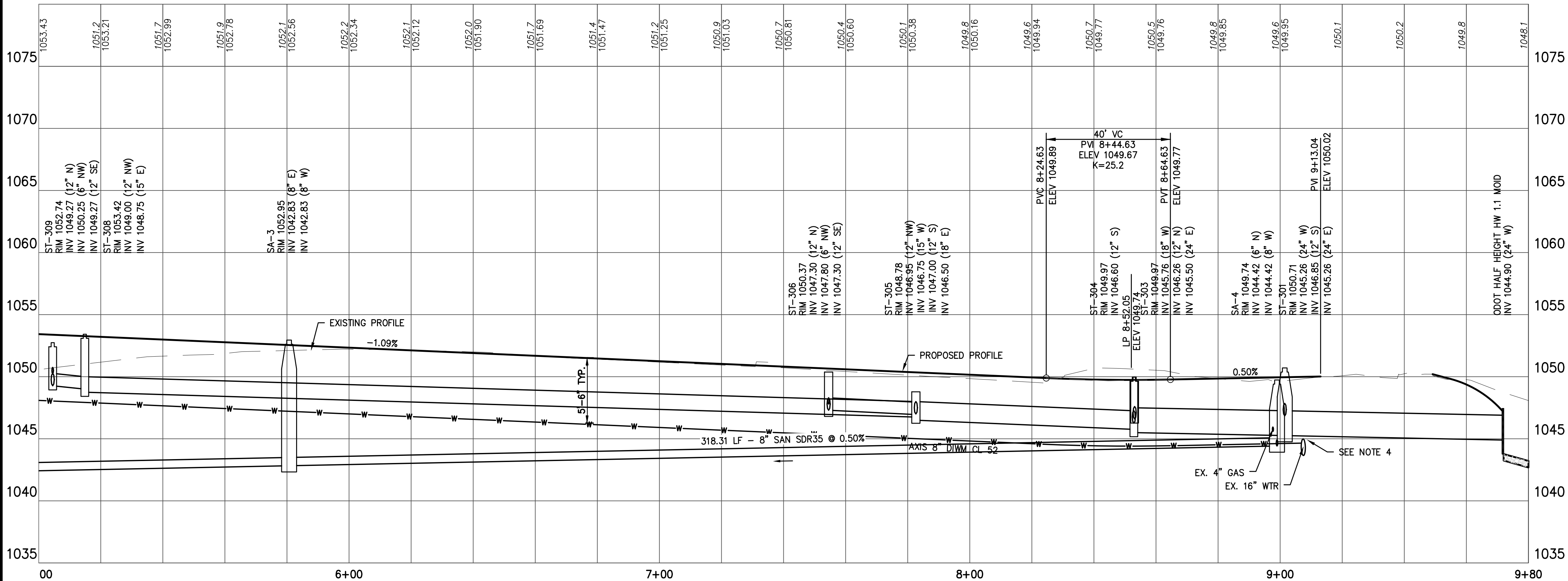
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NO.	DATE	DESCRIPTION

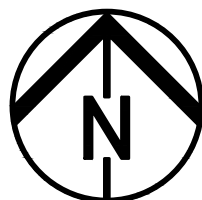
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DRAWN BY: NLM
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

ROAD A PLAN & PROFILE

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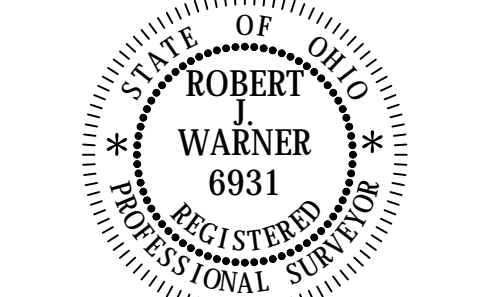
BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
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ELEVATION= 1048.65 NAVD88



0 20 40
GRAPHIC SCALE IN FEET

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 4. CONTRACTOR TO ENCASE STORM DRAIN WITH LSM FOR 3 FEET ON EACH SIDE OF WATERLINE CROSSING

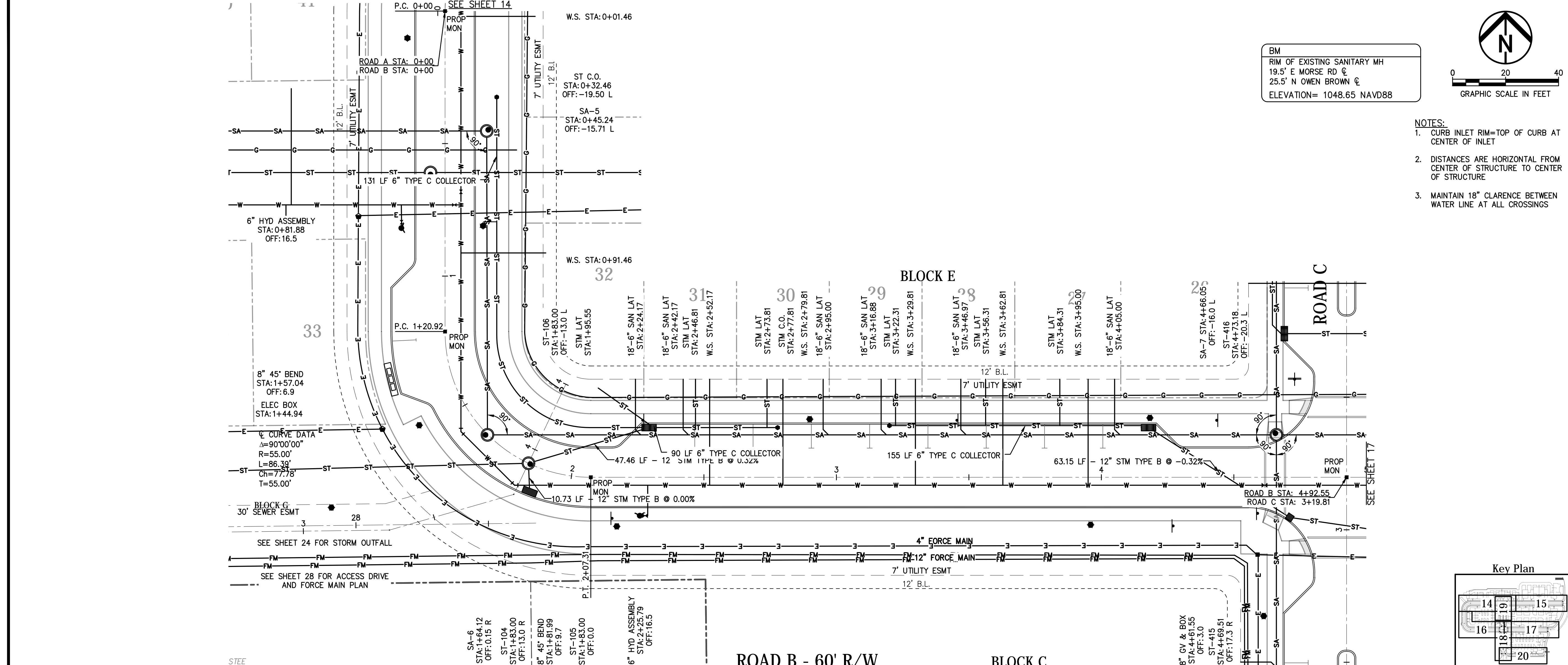
TESTA COMPANIES



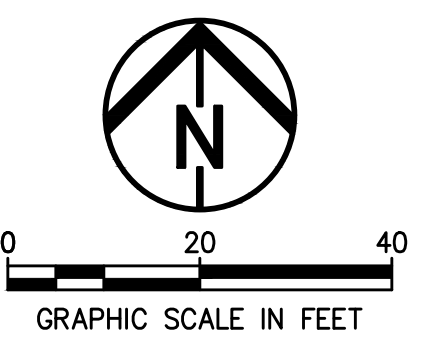
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DRAWN BY:		NLM
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ROAD A PLAN & PROFILE

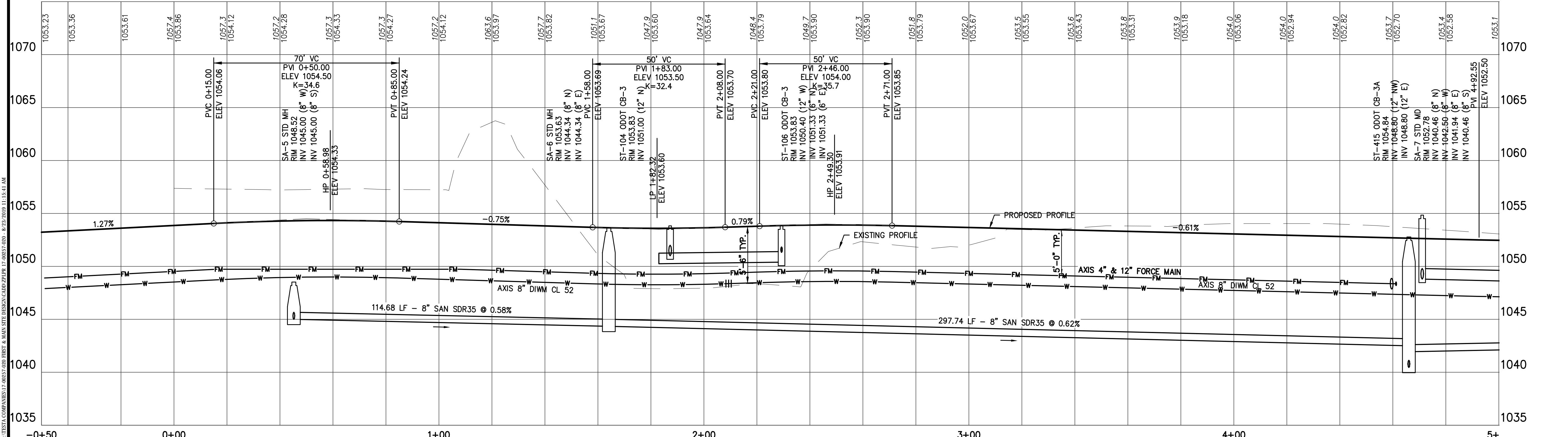
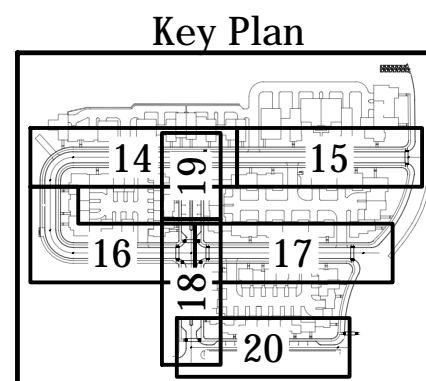
HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
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BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION = 1048.65 NAVD88



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**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**



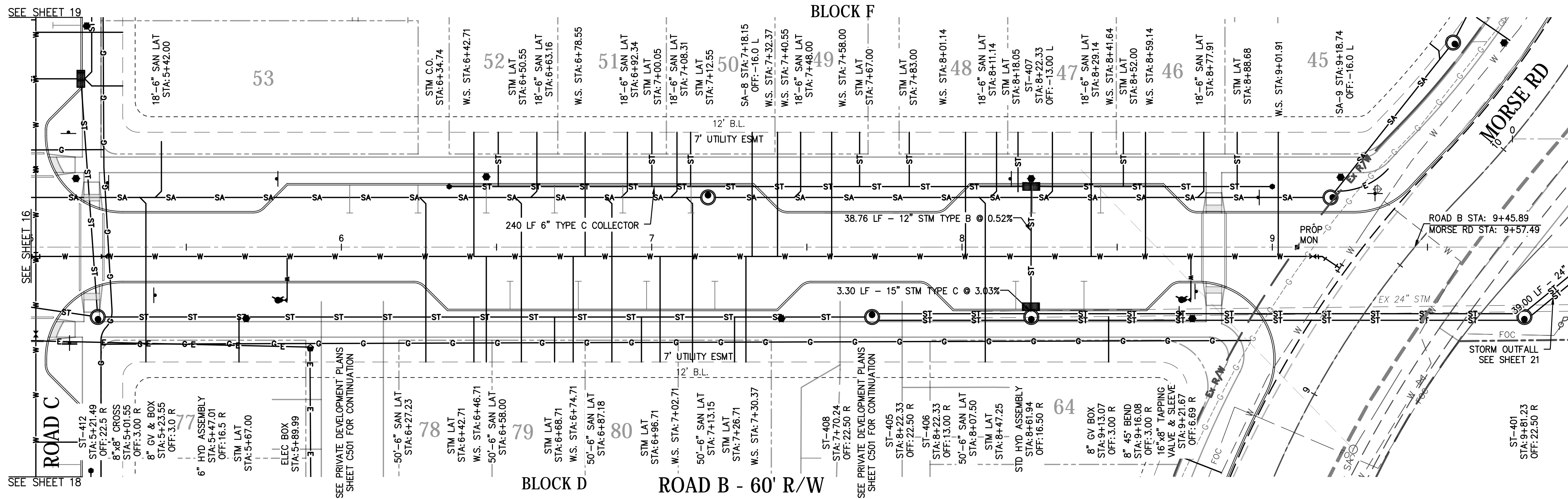
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DRAWN BY: NLN
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

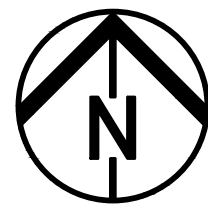
ROAD B PLAN & PROFILE

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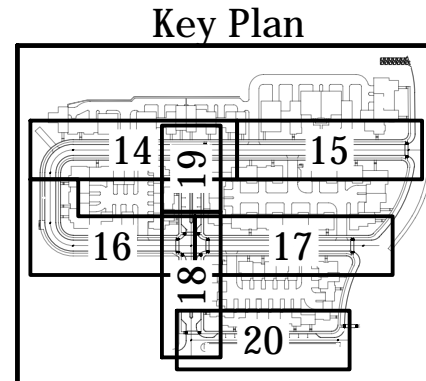
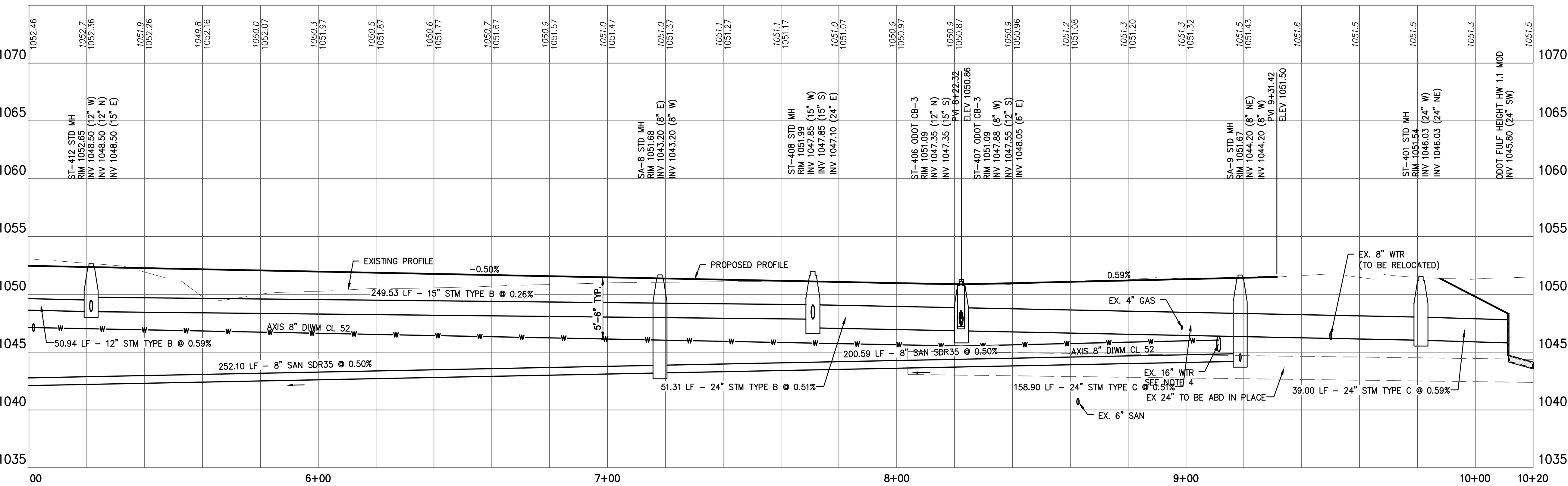


BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION = 1048.65 NAVD88

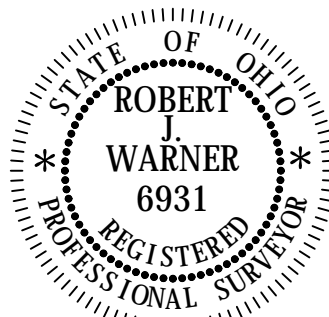


0 20 40
GRAPHIC SCALE IN FEET

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**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**



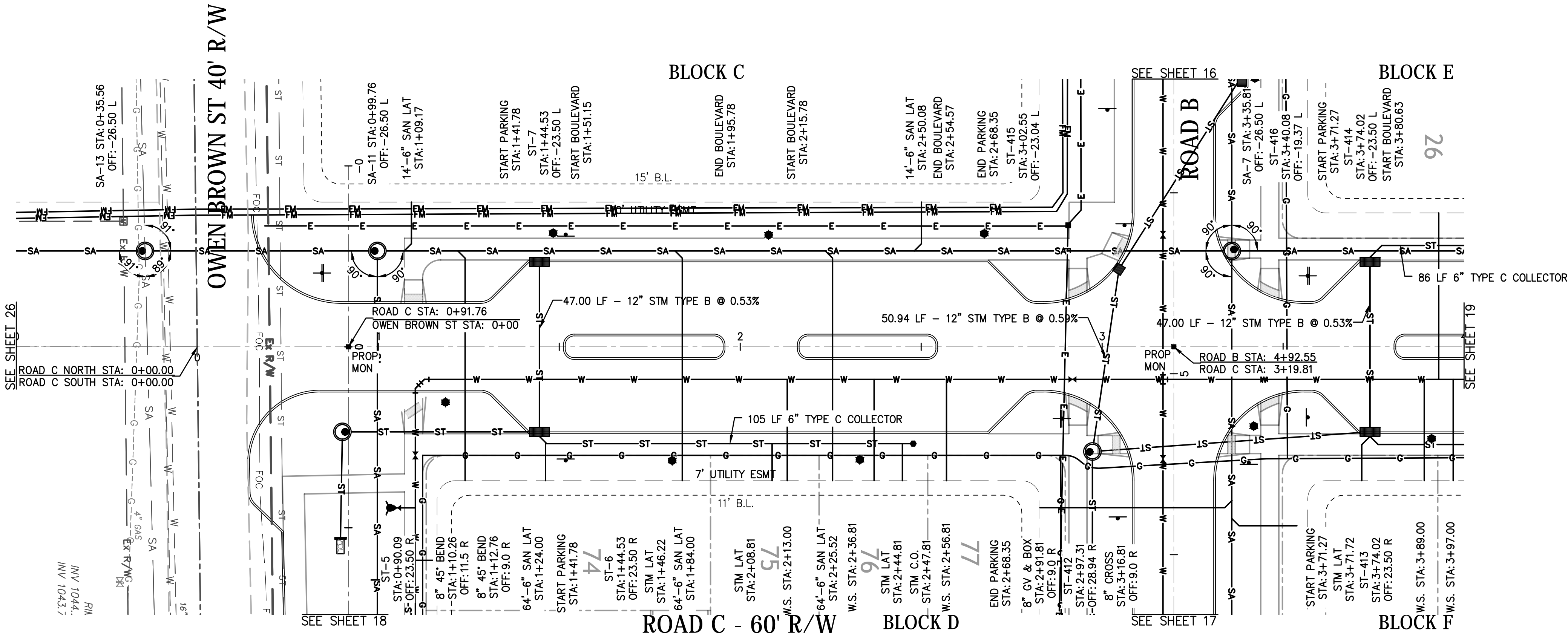
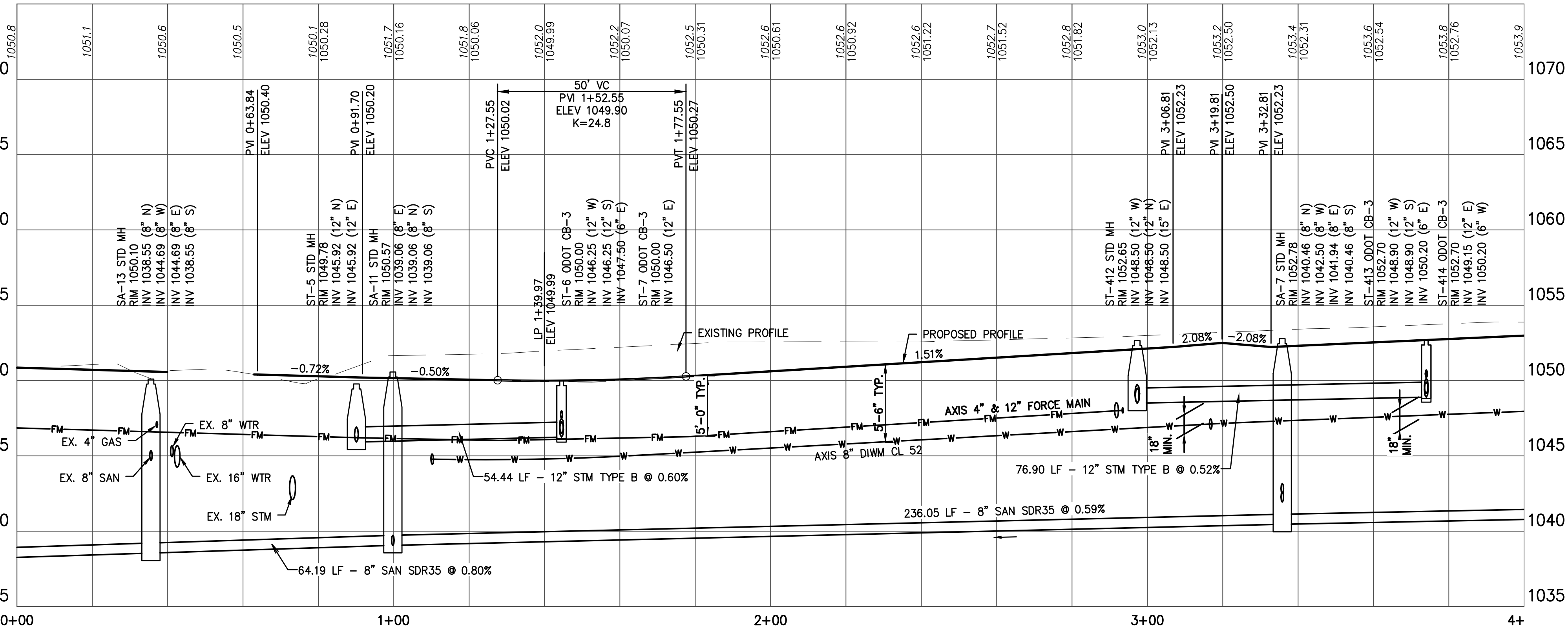
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REVISIONS		
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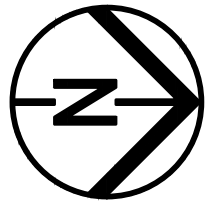
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DRAWN BY: NLM
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

**ROAD B PLAN &
PROFILE**

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RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
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ELEVATION= 1048.65 NAVD88



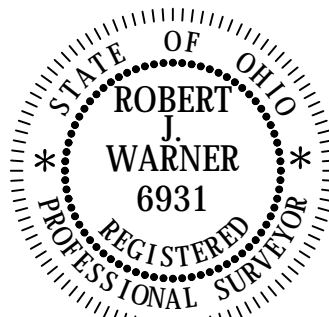
0 20 40
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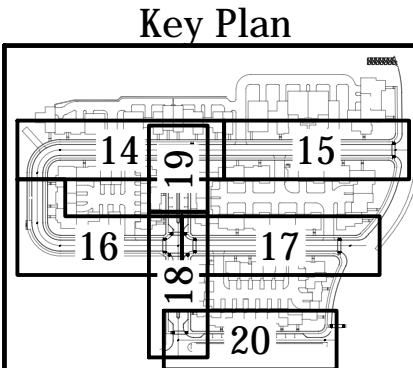
HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



DATE: _____

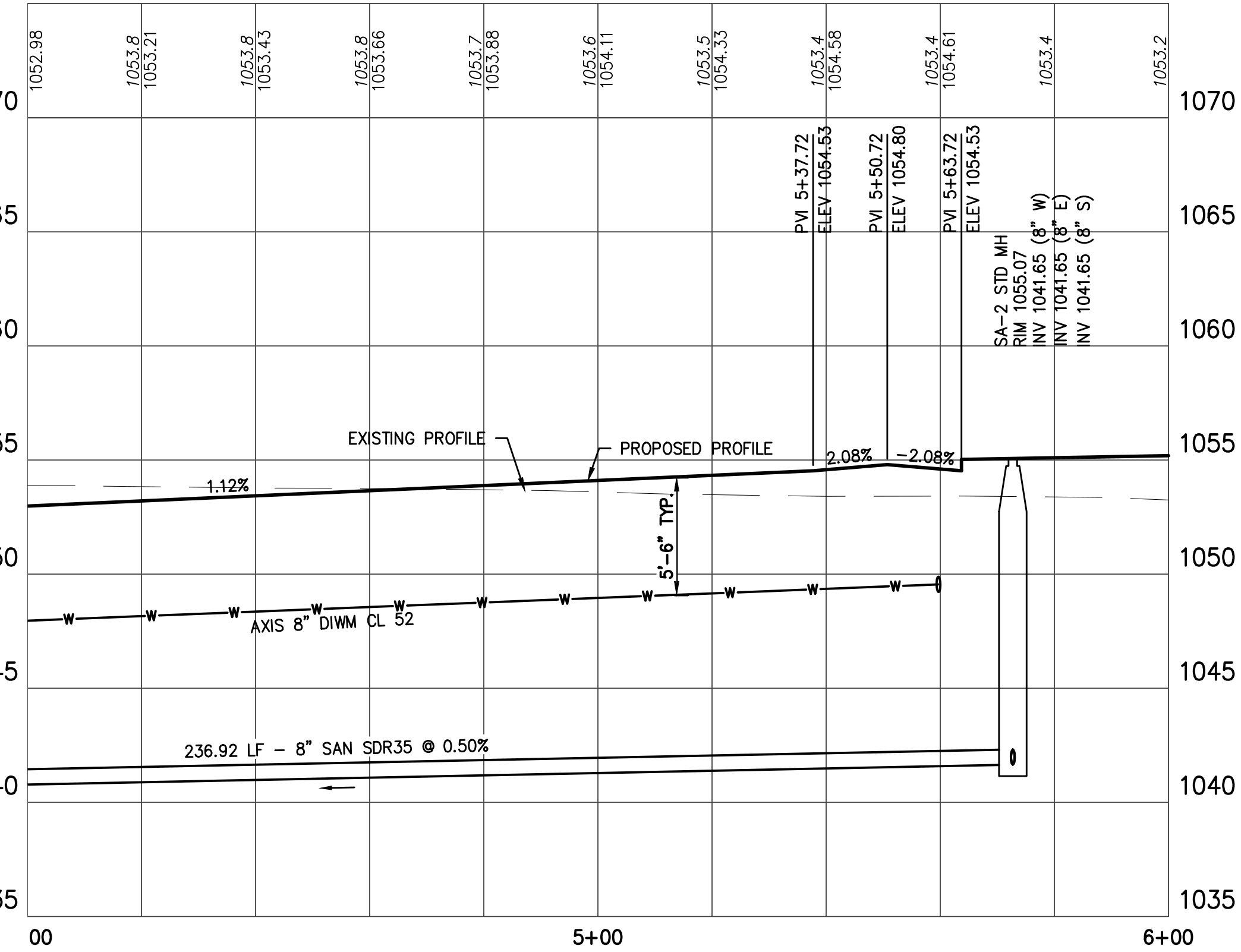
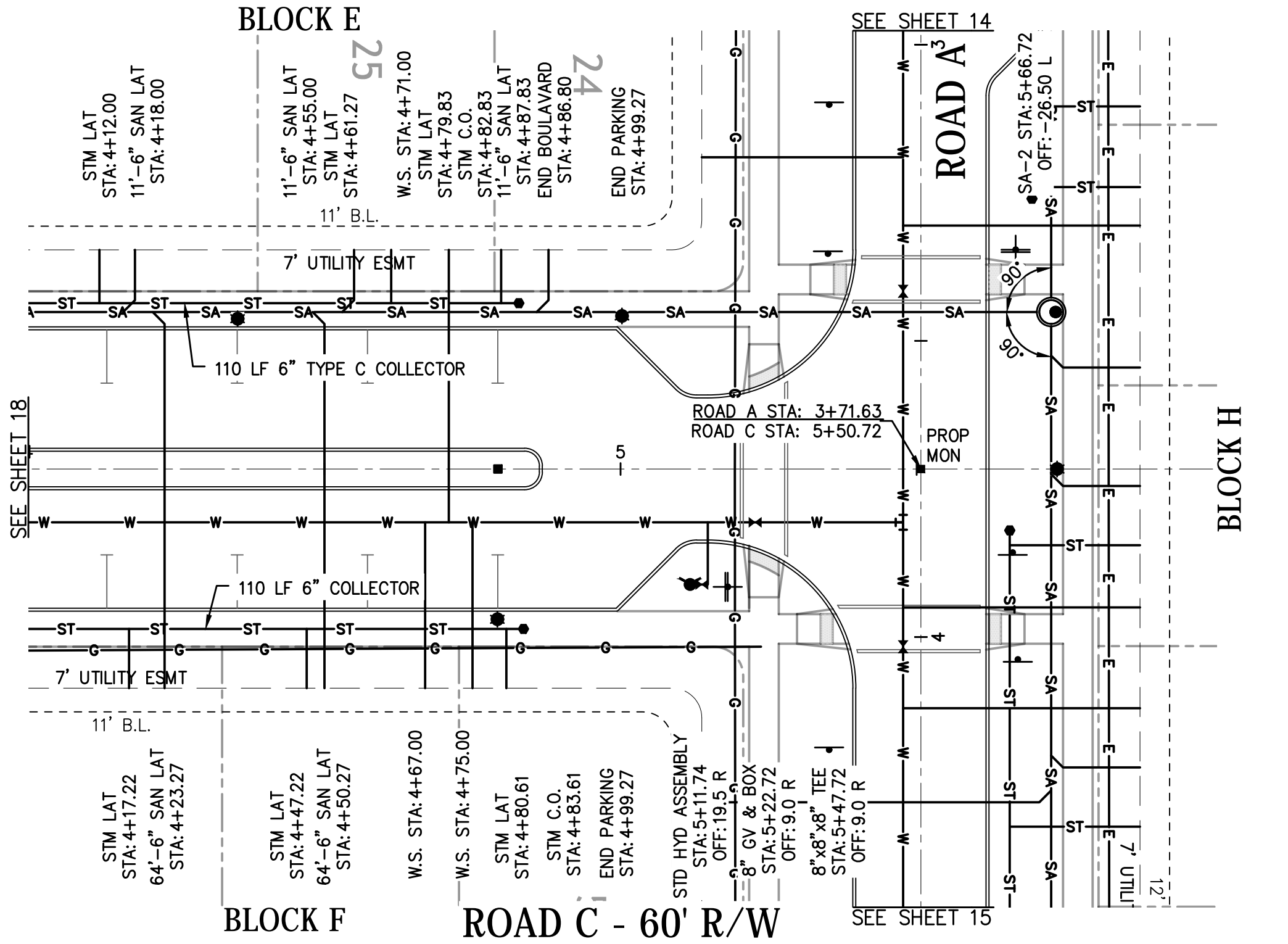
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DATE ISSUED: 2018-10-15

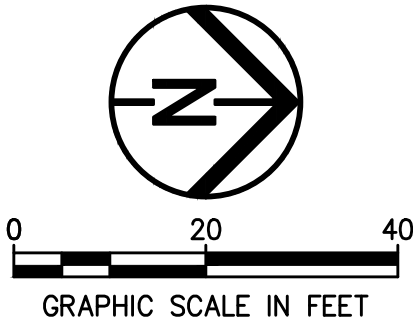


ROAD C PLAN & PROFILE

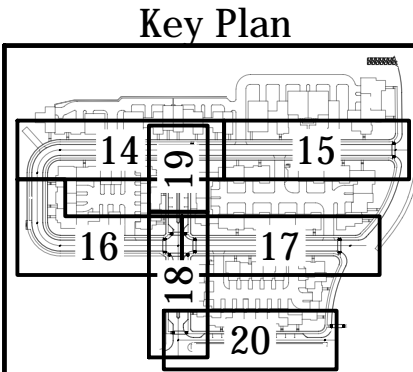
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BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION= 1048.65 NAVD88

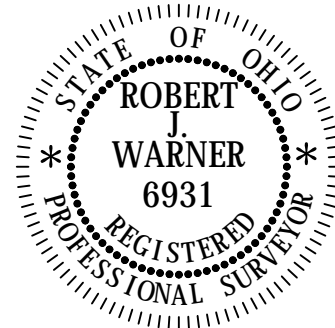


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HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES

TESTA COMPANIES



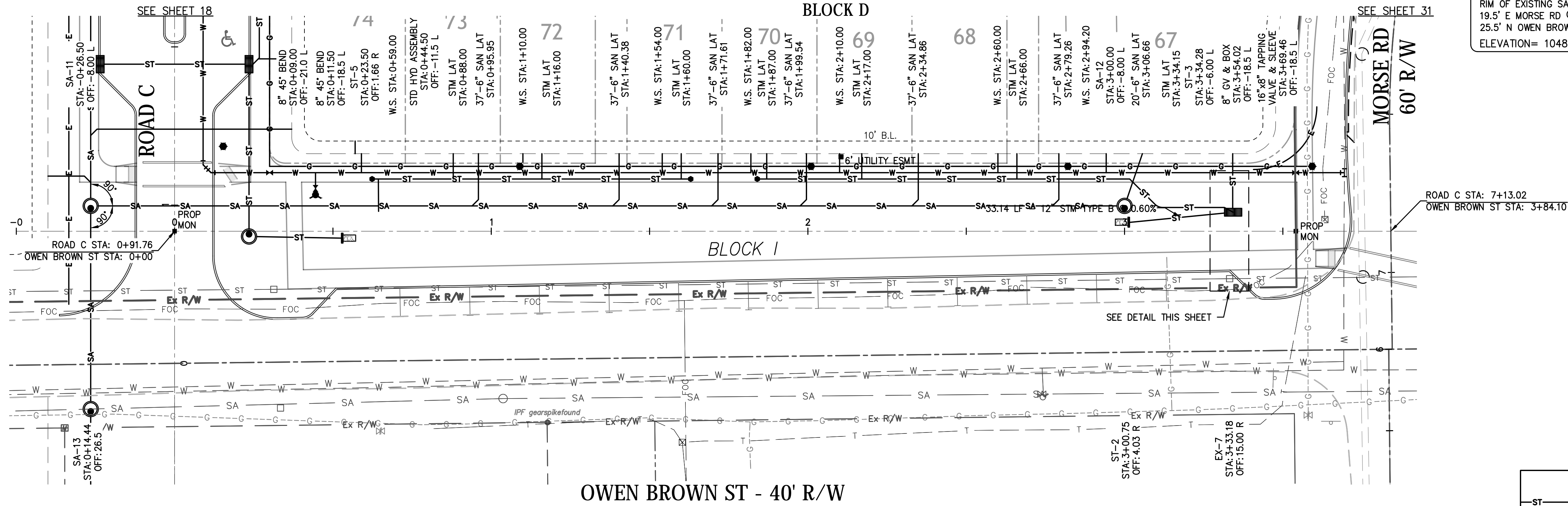
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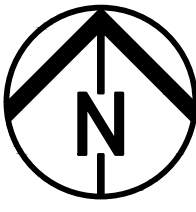
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DRAWN BY: NLN
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

ROAD C PLAN &
PROFILE

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BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION= 1048.65 NAVD88

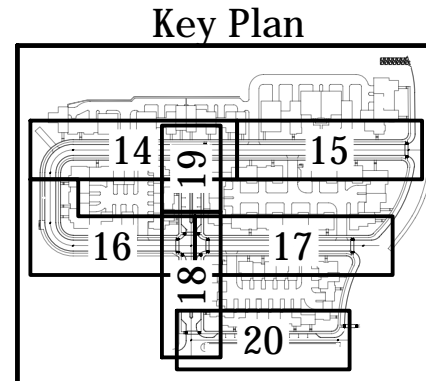
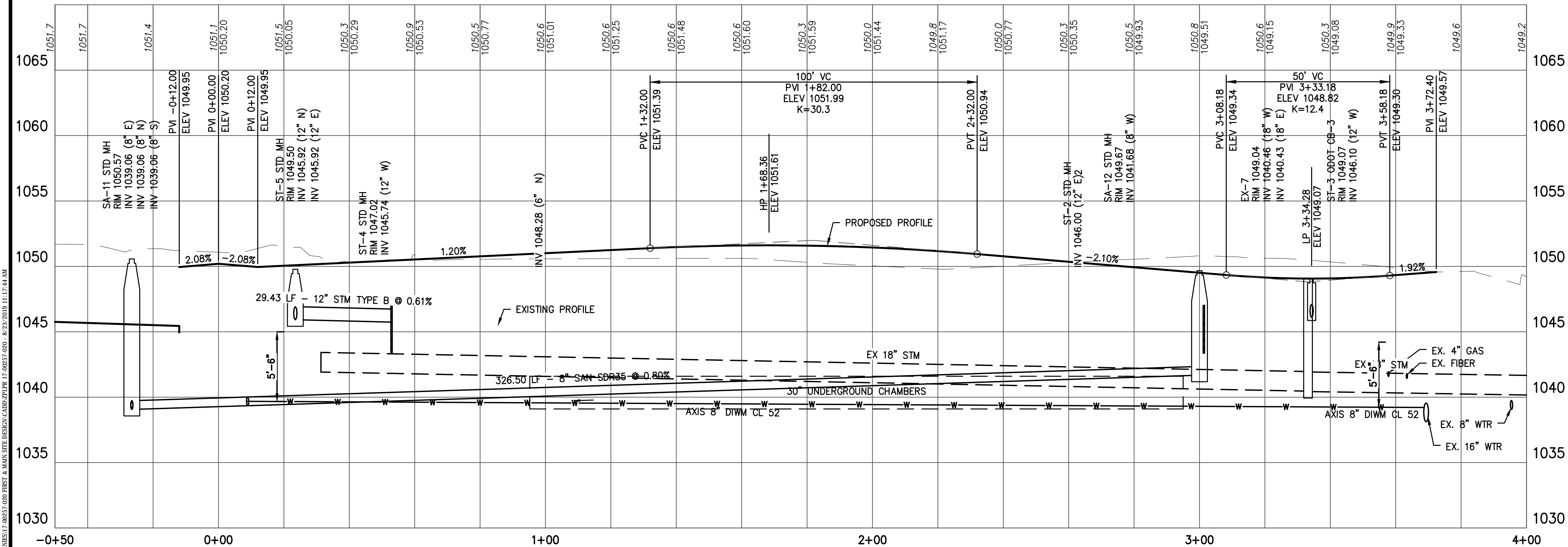
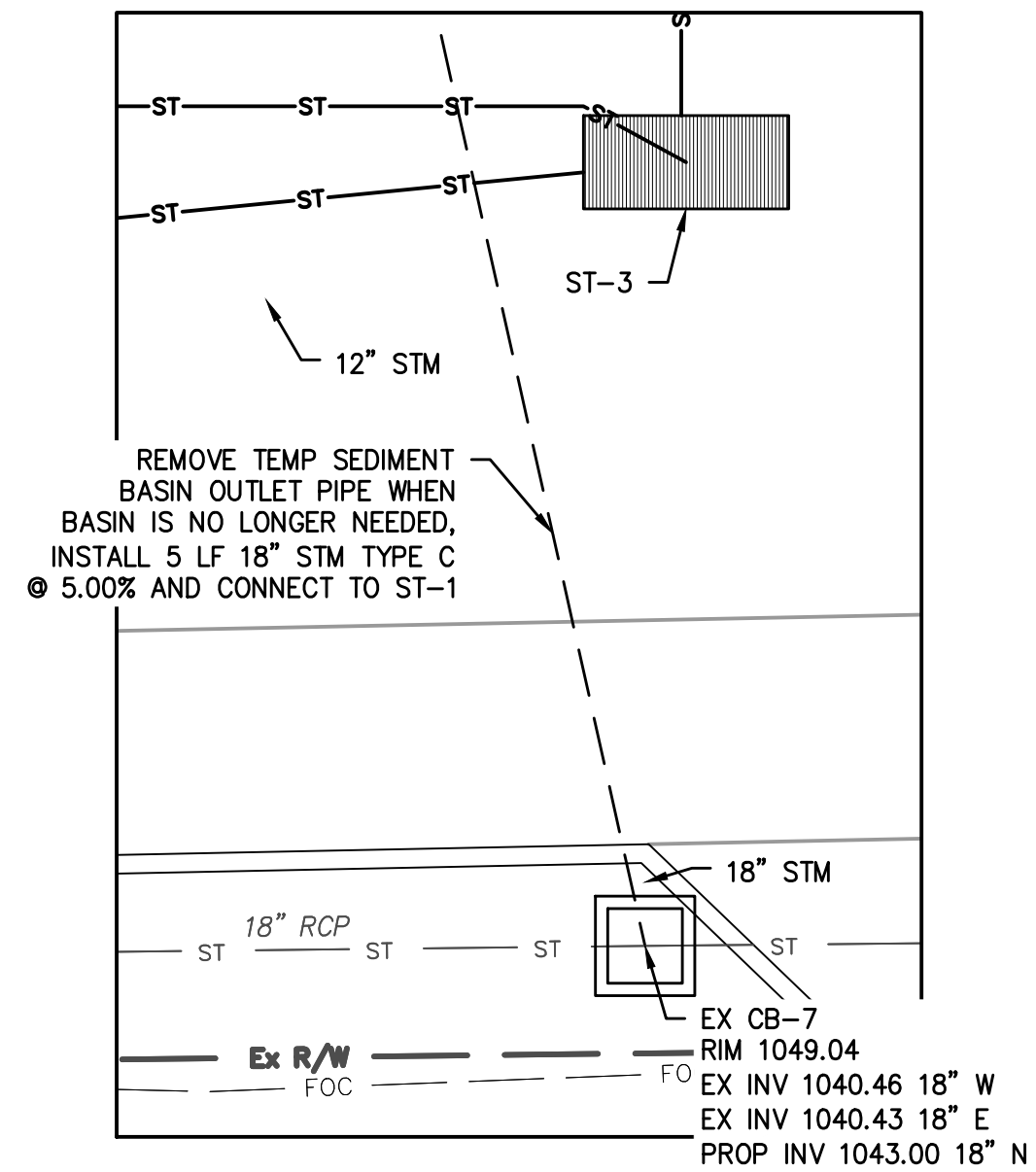


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GRAPHIC SCALE IN FEET

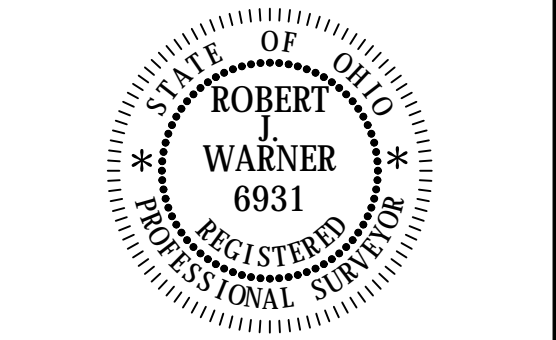
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ROAD C STA: 7+13.02
OWEN BROWN ST STA: 3+84.10

OWEN BROWN ST - 40' R/W



**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**



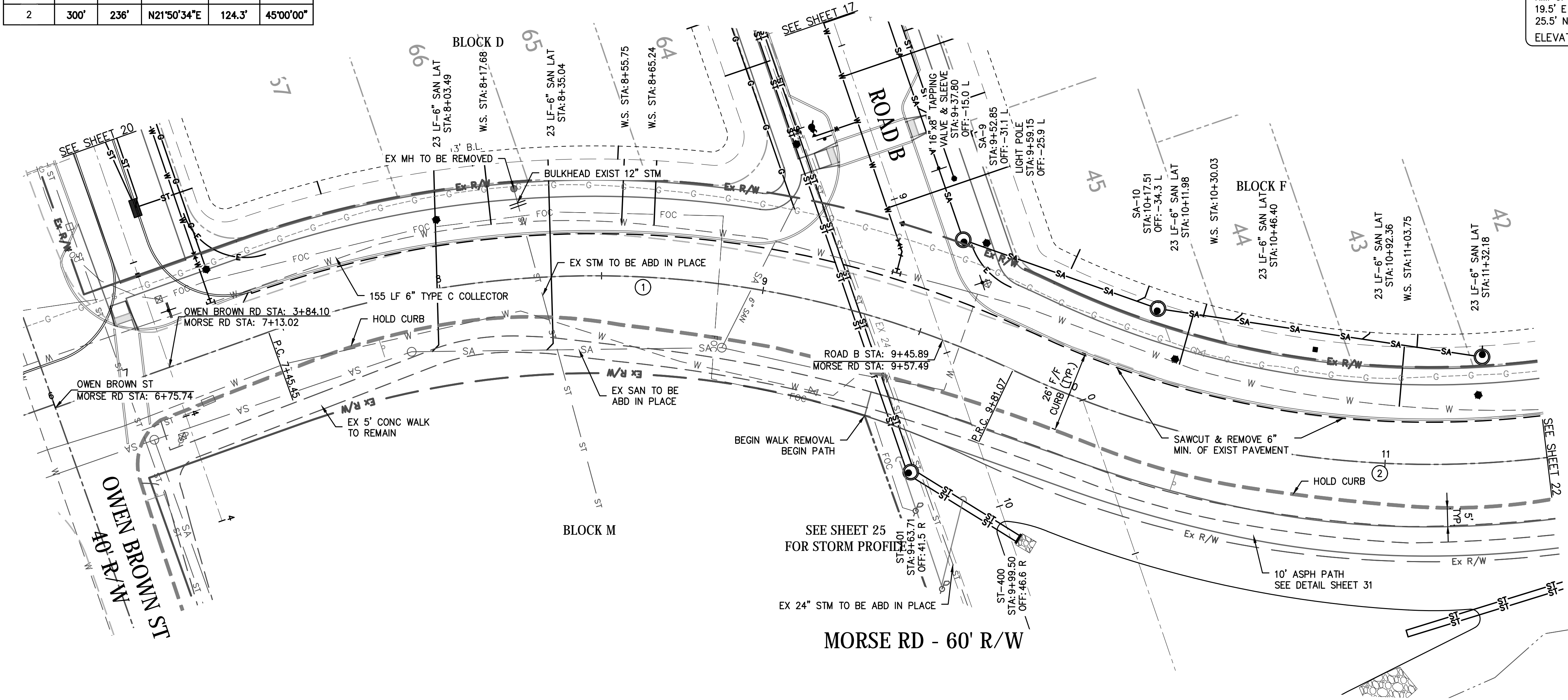
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REVISIONS		
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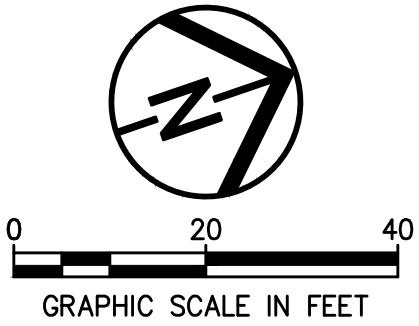
PROJECT NO.: 17-00257-020
DRAWN BY: NLM
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

**OWEN BROWN ST
PLAN & PROFILE**

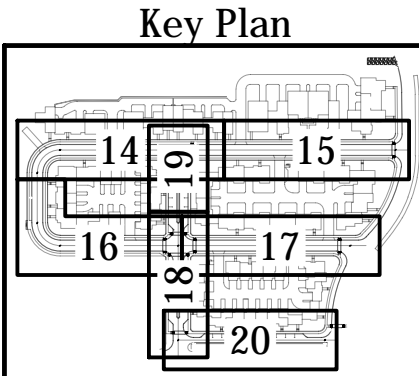
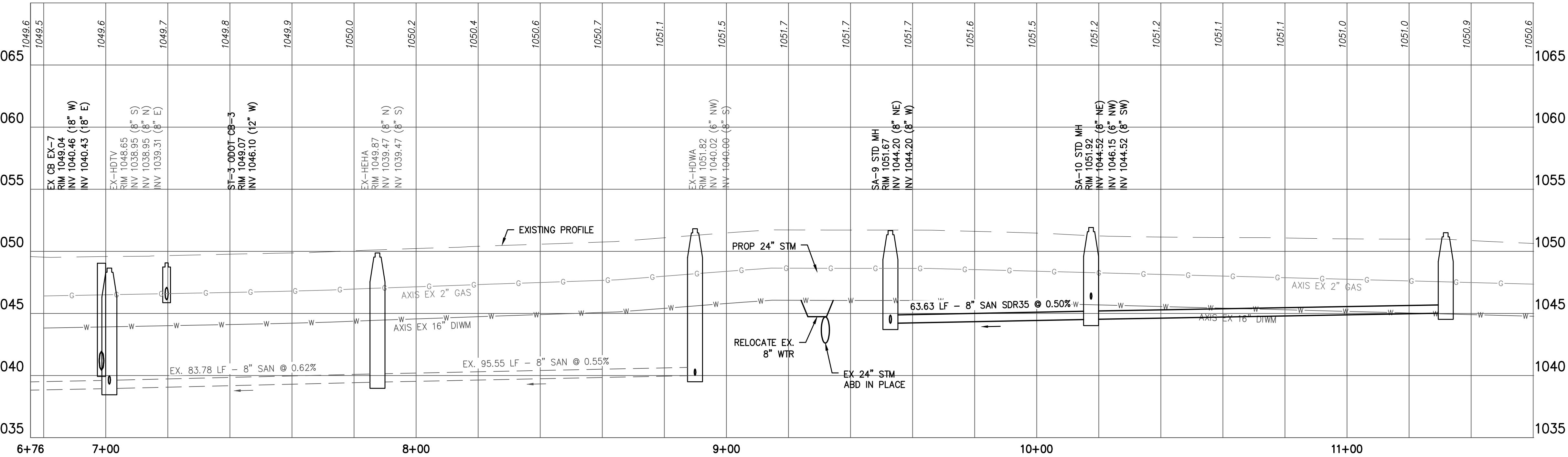
CURVE TABLE					
CURVE #	RADIUS	LENGTH	BEARING	TANGENT	DELTA
1	300'	236'	S21°50'31"W	124.3'	44°59'54"
2	300'	236'	N21°50'34"E	124.3'	45°00'00"



BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION= 1048.65 NAVD88



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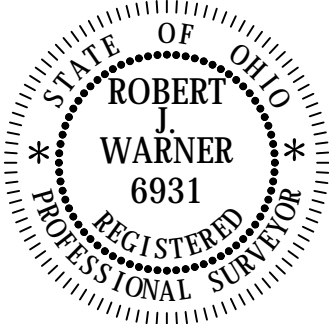
Call before you dig.

HUDSON DOWNTOWN PHASE 2

PUBLIC IMPROVEMENTS

CITY OF HUDSON - PHASE 2A

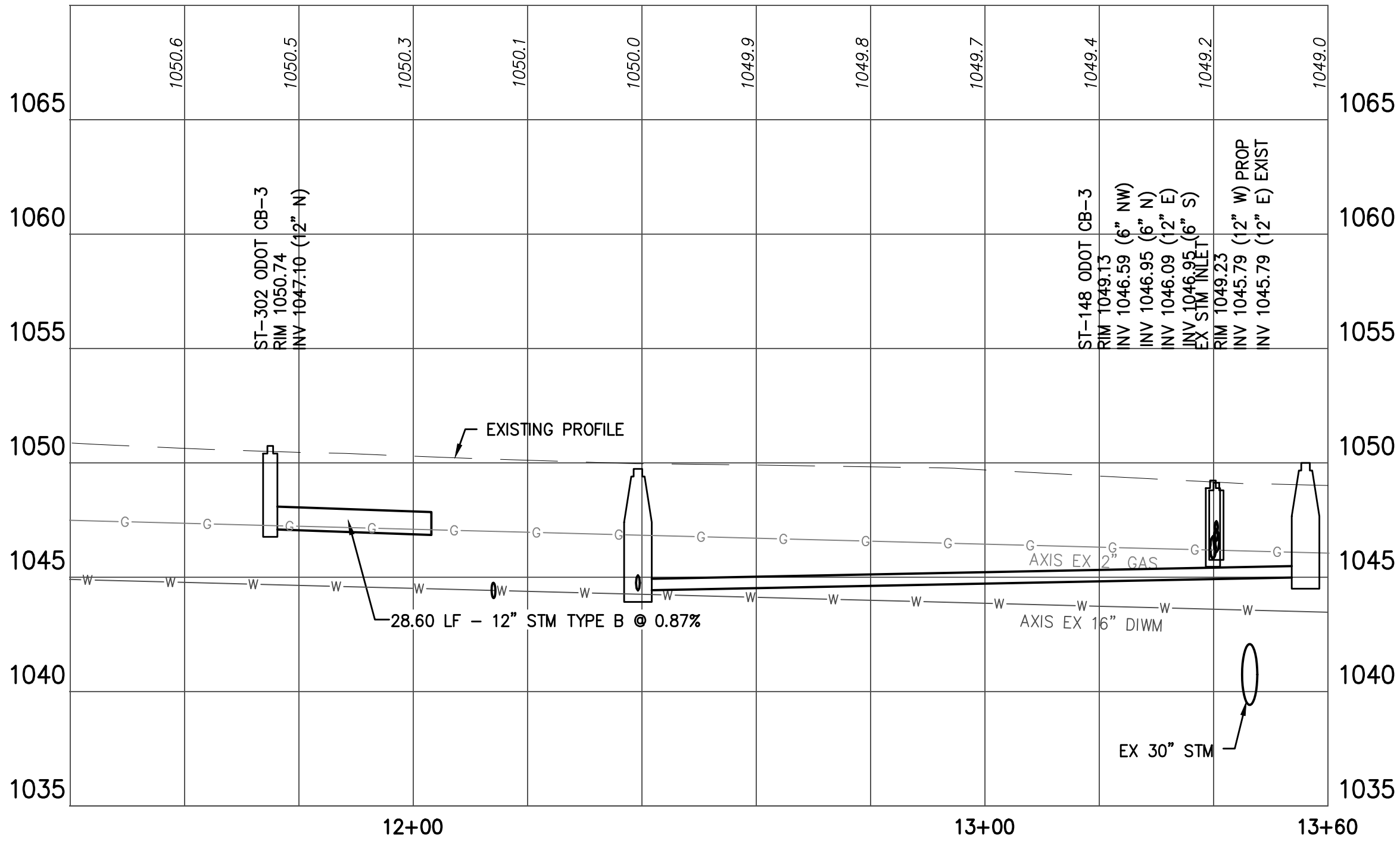
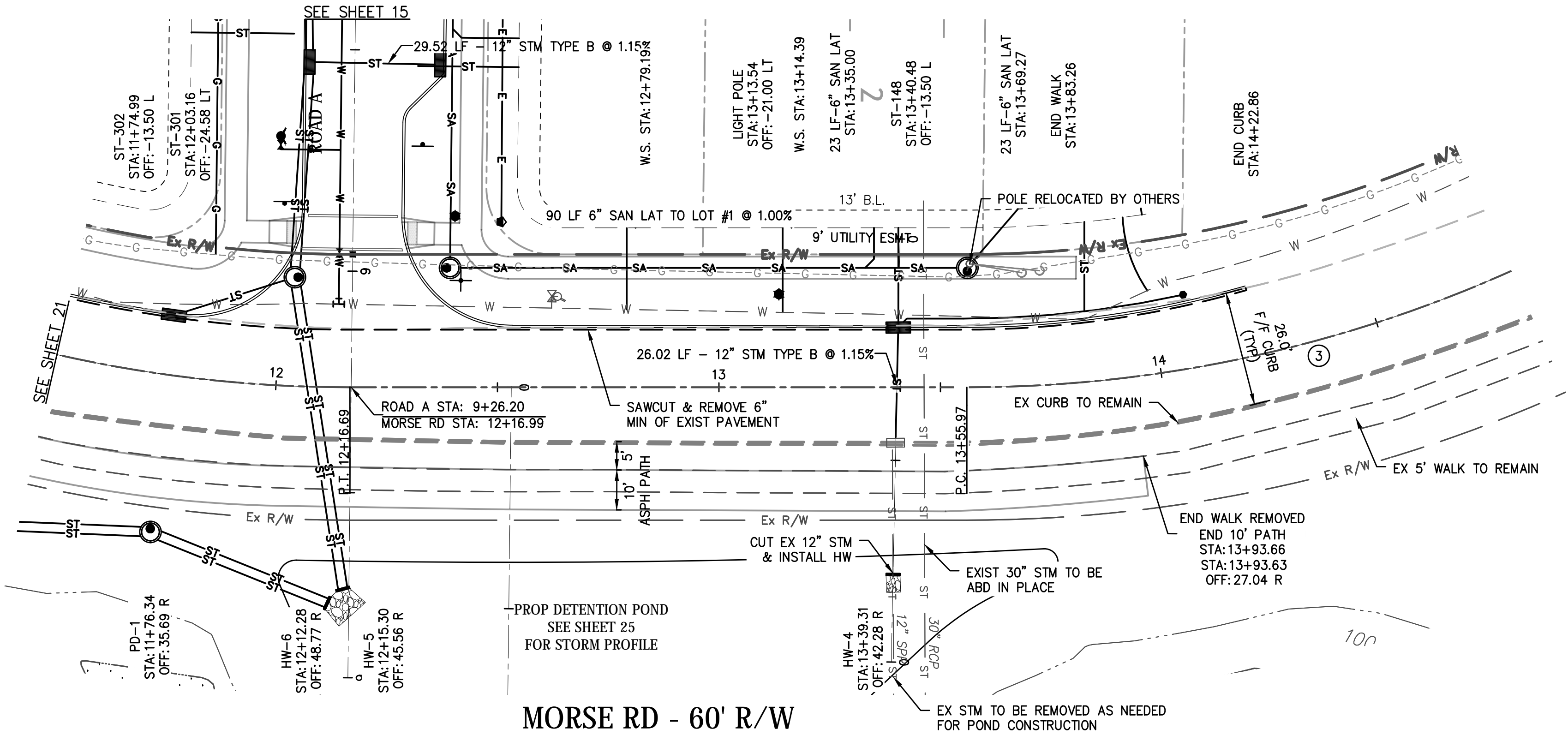
TESTA COMPANIES



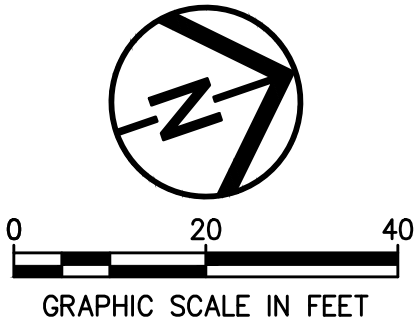
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PROJECT NO.:		17-00257-020
DRAWN BY:		NLM
CHECKED BY:		RJW
DATE ISSUED:		2018-10-15

MORSE RD PLAN & PROFILE

CURVE TABLE					
CURVE #	RADIUS	LENGTH	BEARING	TANGENT	DELTA
31	301'	408'	N39°32'37"W	242.4'	77°46'22"



BM
RIM OF EXISTING SANITARY MH
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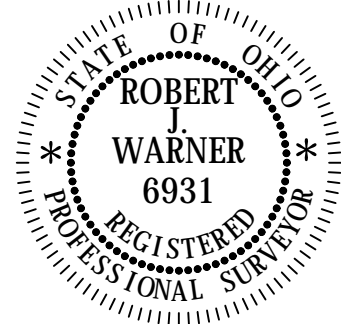


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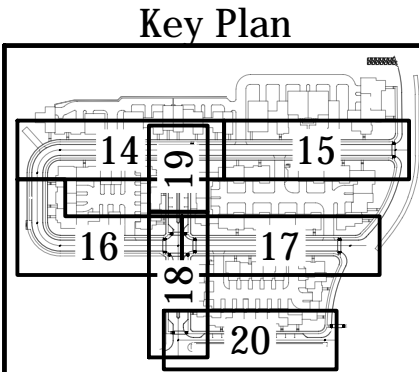


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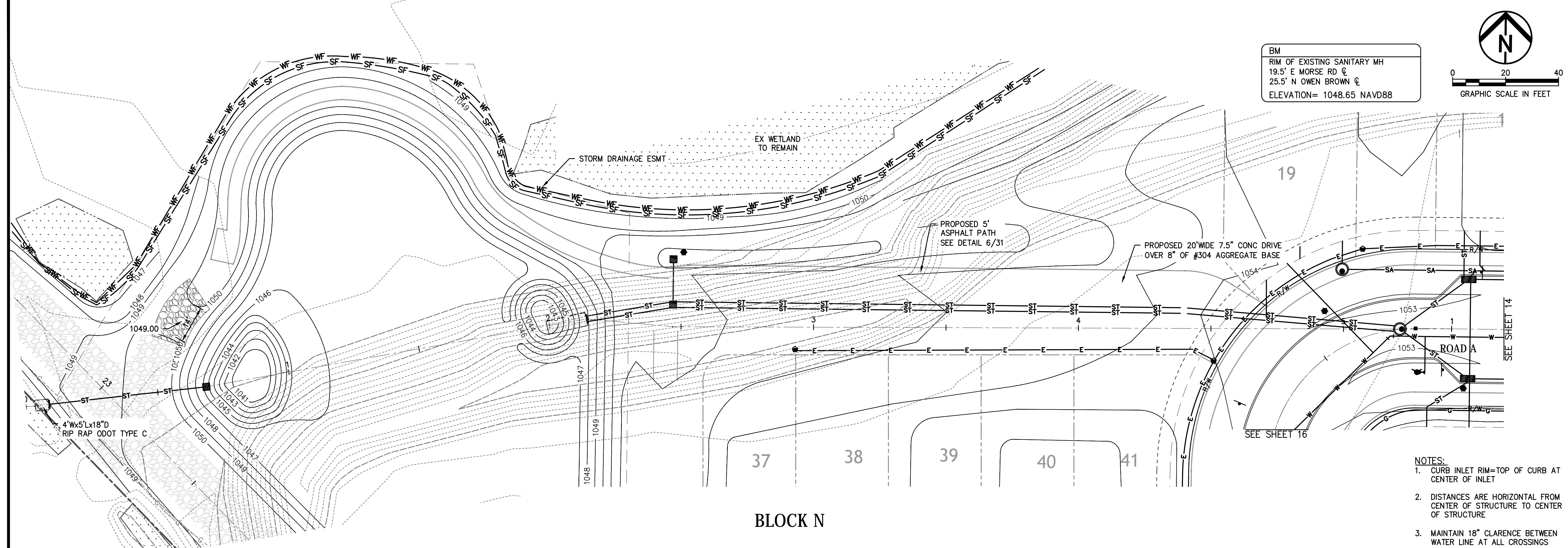
HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES



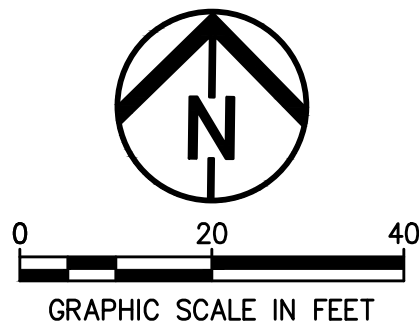
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PROJECT NO.:		17-00257-020
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MORSE RD PLAN &
PROFILE

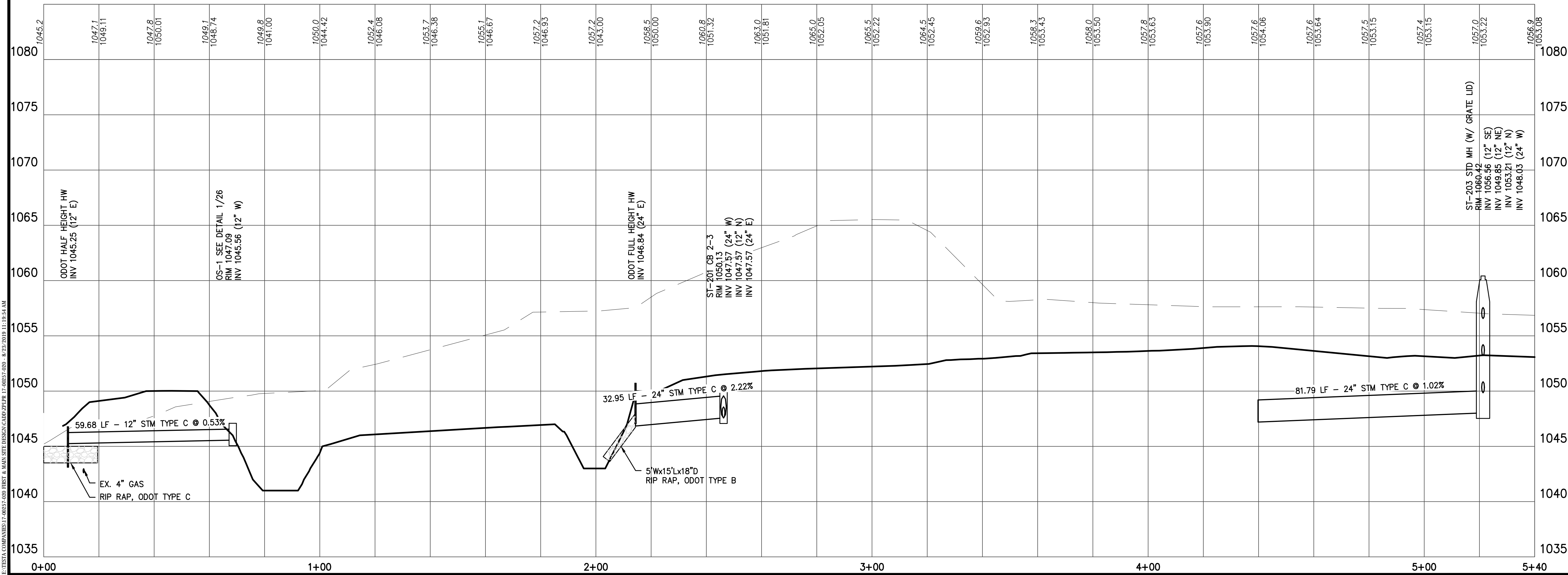


BM
RIM OF EXISTING SANITARY MH
19.5' E MORSE RD @
25.5' N OWEN BROWN @
ELEVATION= 1048.65 NAVD88

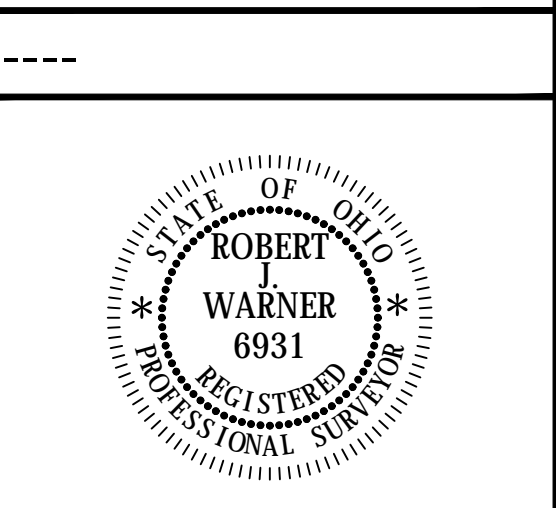


- NOTES:
1. CURB INLET RIM=TOP OF CURB AT CENTER OF INLET
 2. DISTANCES ARE HORIZONTAL FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE
 3. MAINTAIN 18" CLARENCE BETWEEN WATER LINE AT ALL CROSSINGS

BLOCK N



**HUDSON DOWNTOWN PHASE 2
PUBLIC IMPROVEMENTS
CITY OF HUDSON - PHASE 2A
TESTA COMPANIES**

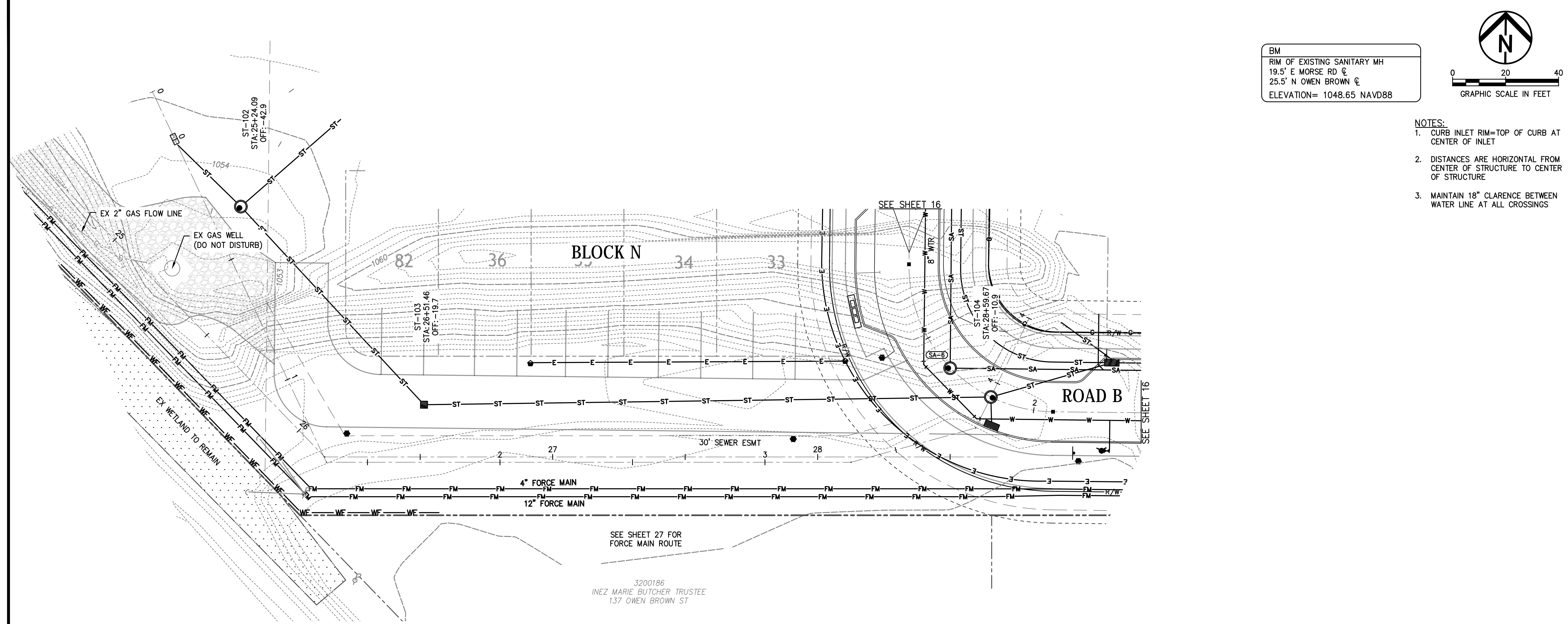


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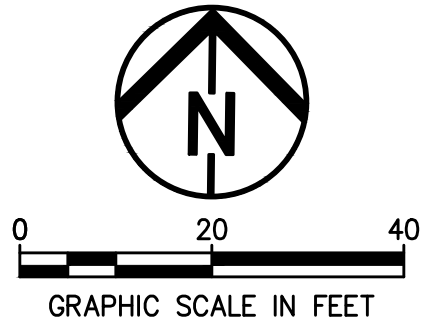
REVISIONS		
△	DATE	DESCRIPTION

PROJECT NO.:	17-00257-020
DRAWN BY:	NLM
CHECKED BY:	RJW
DATE ISSUED:	2018-10-15

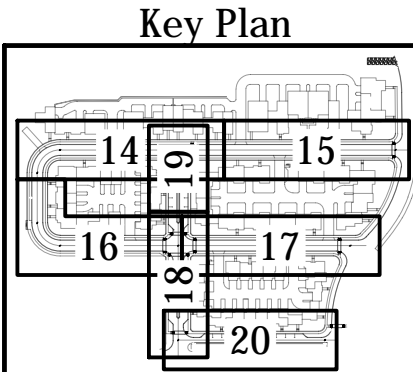
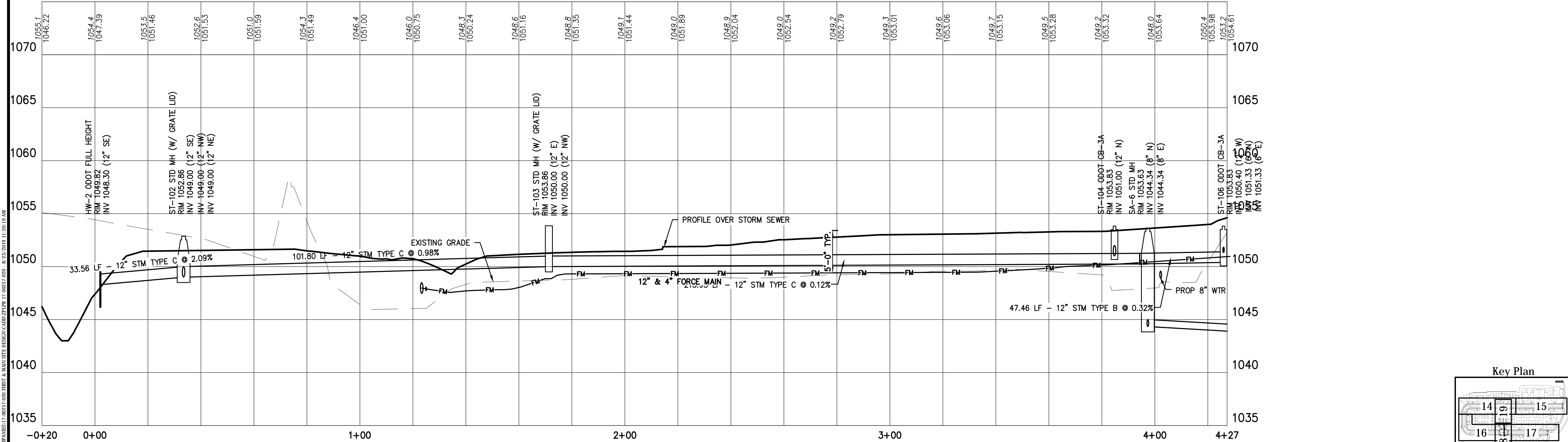
E:\TESTA\COMPANIES\17-00257-020\TEST & MAIN SITE DESIGN\CAD\DWG\PHASE 17-00257-020.dwg 8/23/2018 11:18:44 AM



BM
RIM OF EXISTING SANITARY MH
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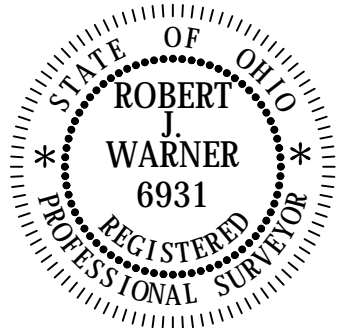
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AKRON / CLEVELAND / COLUMBUS
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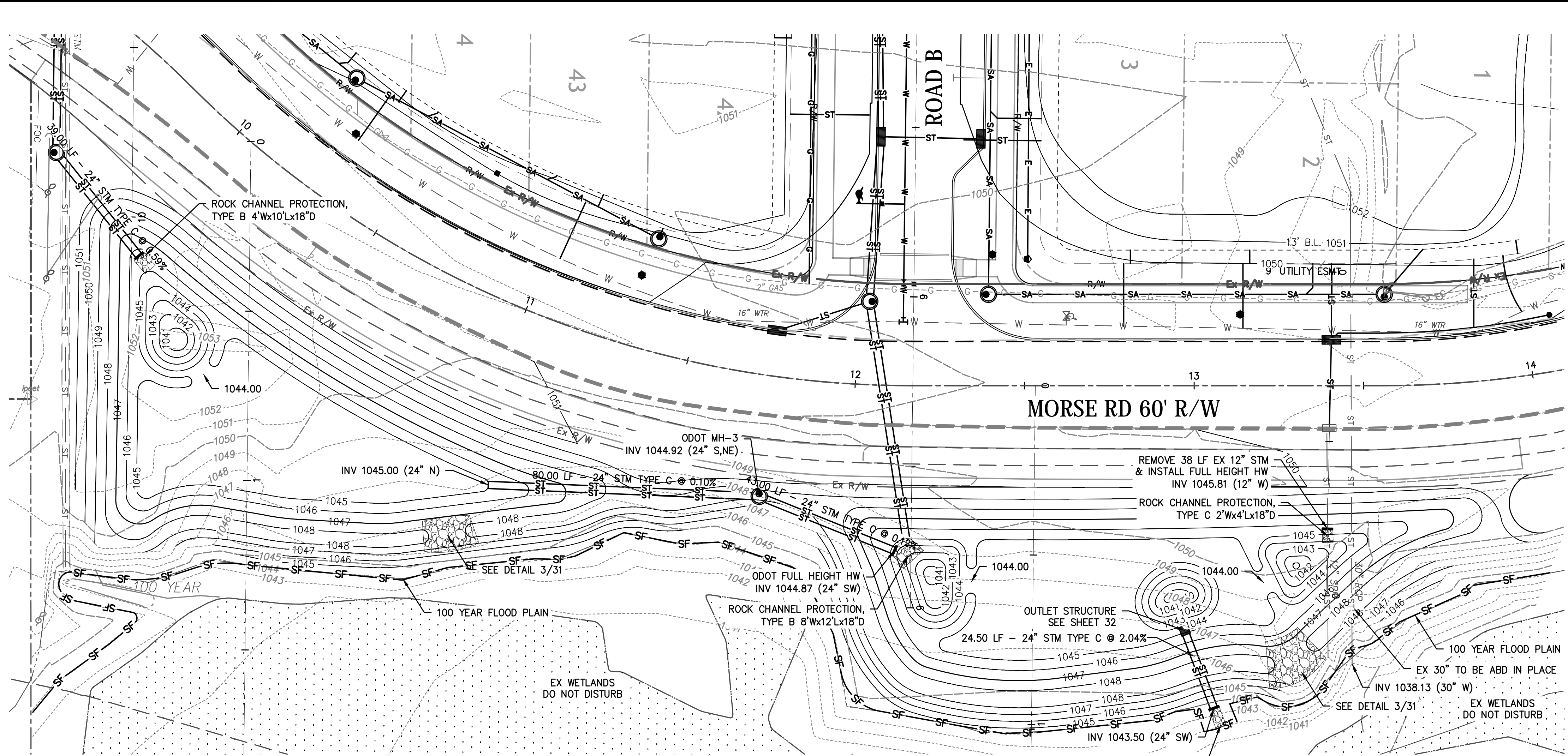
Know what's below.
Call before you dig.

HUDSON DOWNTOWN PHASE 2
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TESTA COMPANIES

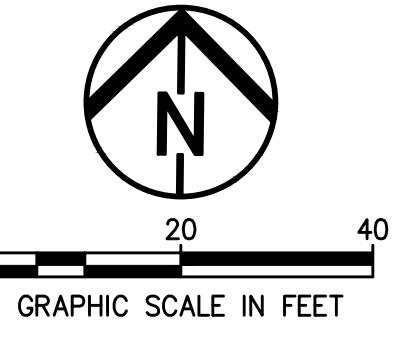


DATE: _____		
REVISIONS		
△	DATE	DESCRIPTION
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PROJECT NO.:		17-00257-020
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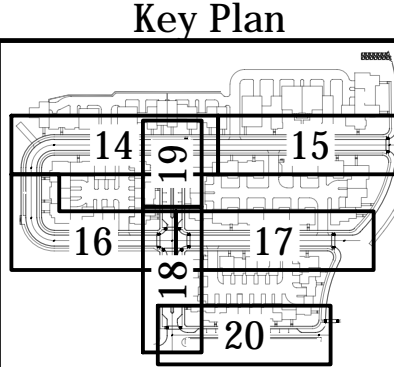
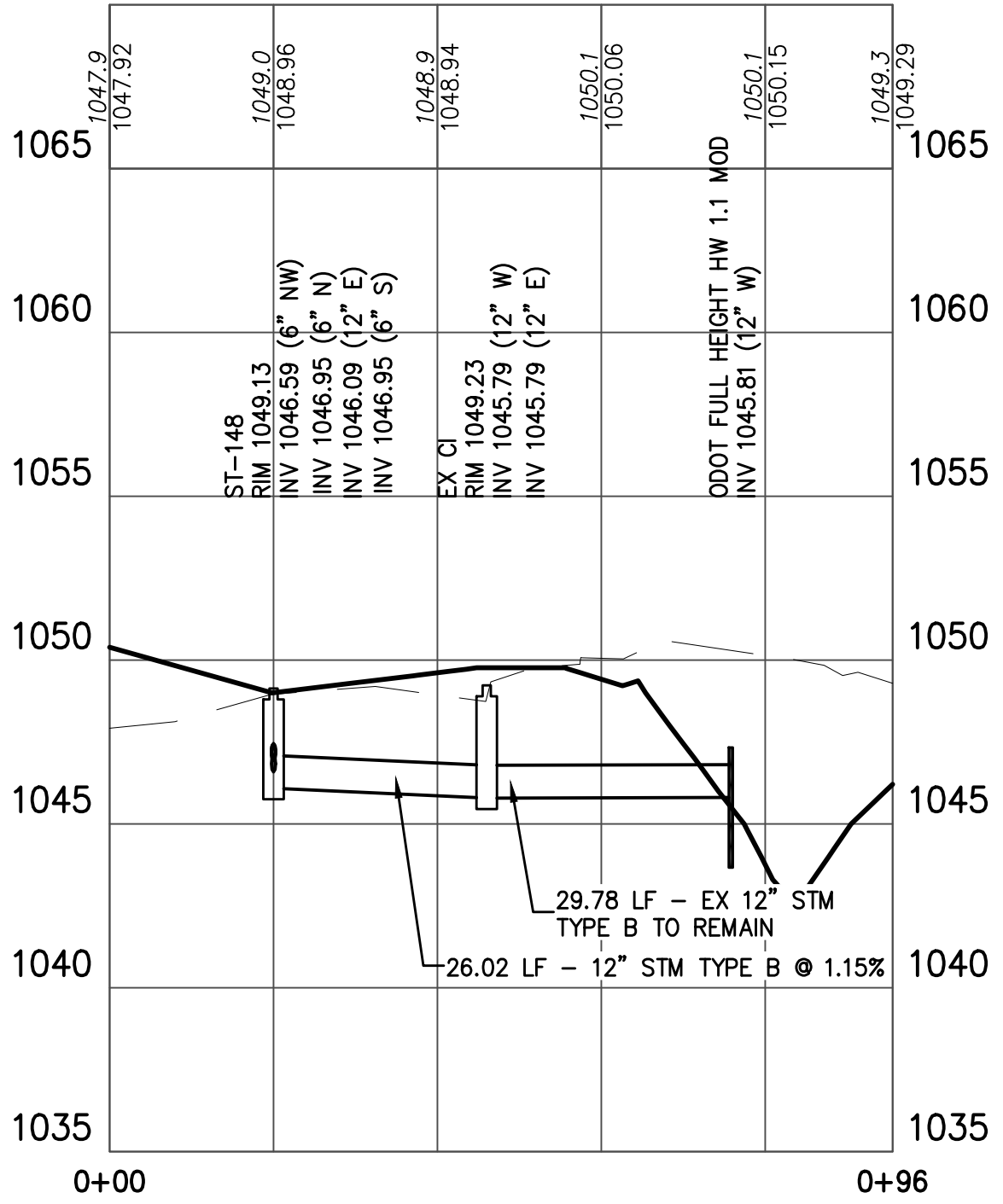
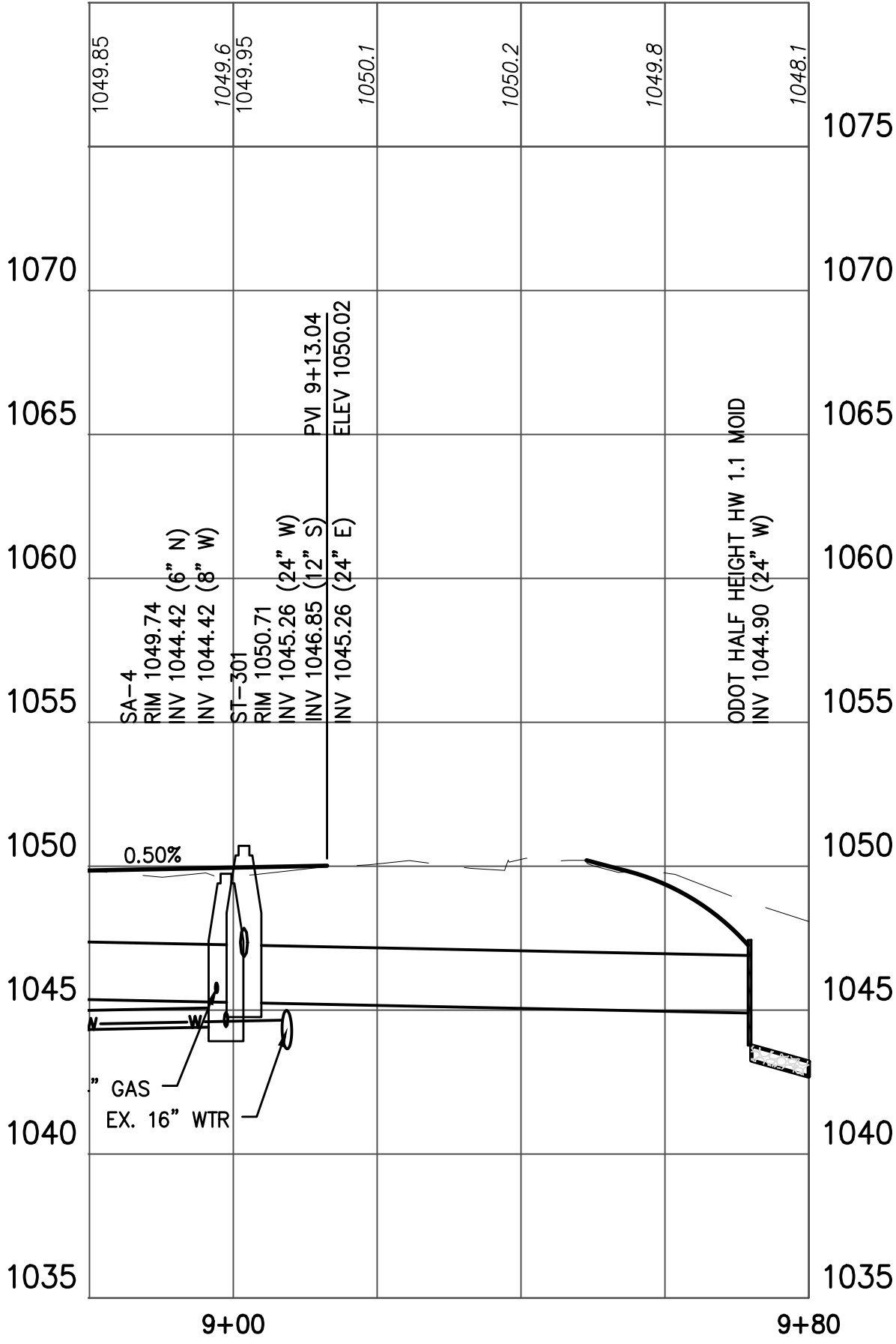
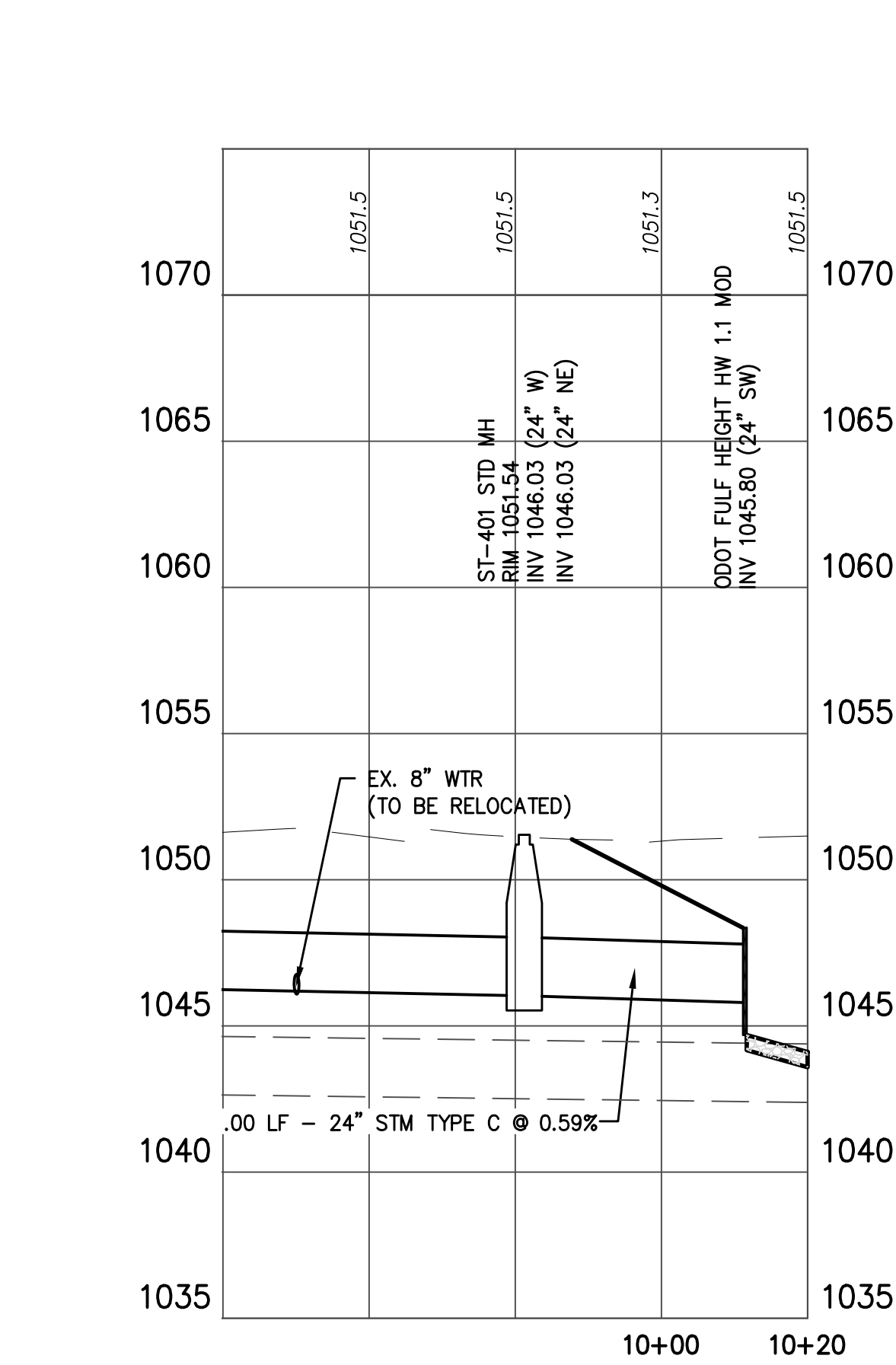
STORM OUTFALL
SOUTH



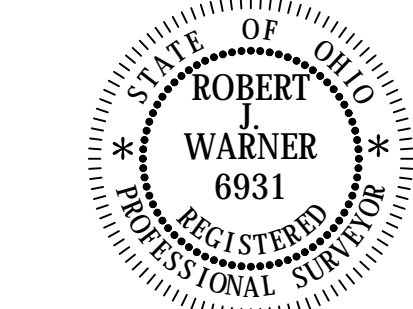
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HUDSON DOWNTOWN PHASE 2
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DATE: _____

REVISIONS		
△	DATE	DESCRIPTION

PROJECT NO.: 17-00257-020
DRAWN BY: NLN
CHECKED BY: RJW
DATE ISSUED: 2018-10-15

EAST POND PLAN & PROFILE