

CONSTRUCTION DRAWINGS FOR
PUBLIC IMPROVEMENTS
PRAIRIE CROSSING
PLAT 5
WAUKEE, IOWA

ALICE'S, L.C., C/O KNAPP PROPERTIES,
4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

GENERAL NOTES

1. ANY CHANGES TO THE CONSTRUCTION DRAWINGS DURING CONSTRUCTION SHALL BE APPROVED IN WRITING BY THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES MADE DURING CONSTRUCTION THAT HAVE NOT BEEN APPROVED IN WRITING BY THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
3. THE CONTRACTOR SHALL NOTIFY THE CITY OF WAUKEE ENGINEERING DEPARTMENT 48-HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ON A HOLIDAY OR WEEKEND.
4. ALL CONSTRUCTION STAKING SHALL BE PERFORMED BY A LICENSED ENGINEER OR LAND SURVEYOR.
5. A CERTIFIED AS-BUILT GRADING PLAN SHALL BE PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT PRIOR TO ACCEPTANCE OF PUBLIC IMPROVEMENTS AND APPROVAL OF THE FINAL PLAN.
6. IT SHALL BE THE PROJECT MANAGER'S RESPONSIBILITY TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE WAUKEE ENGINEERING DEPARTMENT A WEEK PRIOR TO ANY WORK BEING STARTED ON SITE.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE WAUKEE ENGINEERING DEPARTMENT WITH SUBMITTALS OF ALL CONSTRUCTION MATERIALS PRIOR TO THE START OF CONSTRUCTION.
8. ALL STORM SEWERS TO BE CLEANED AND TELEVISED WITH COPIES OF THE VIDEO INSPECTION PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
9. ALL UTILITIES TO BE TESTED TO MEET WAUKEE STANDARDS.
10. THE CONTRACTOR SHALL COORDINATE THE EXISTING UTILITY TIE-INS WITH THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
11. IT SHALL BE THE GENERAL PERMIT #2 HOLDER'S RESPONSIBILITY TO PROVIDE THE CITY OF WAUKEE ENGINEERING DEPARTMENT WITH WRITTEN VERIFICATION THAT THE GENERAL PERMIT #2 TOPSOIL REQUIREMENTS WERE MET UPON COMPLETION OF CONSTRUCTION.
12. ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WAUKEE STANDARD SPECIFICATIONS.

QUANTITIES

SANITARY SEWER

1539 L.F.	8-INCH SANITARY SEWER
8 EA.	MANHOLES
30 EA.	SERVICES

WATER MAIN

1,450 L.F.	8-INCH WATER MAIN
294 L.F.	12-INCH WATER MAIN
7 EA.	HYDRANT, TEE & 6-INCH VALVE
1 EA.	WATER MAIN CAP
5 EA.	8-INCH VALVE
1 EA.	12-INCH VALVE
30 EA.	SERVICES

STORM SEWER

550 L.F.
5 EA.
115 L.F.
234 L.F.
537 L.F.
24 L.F.
303 L.F.
208 L.F.
35 L.F.
304 L.F.
3 EA.
1 EA.
5 EA.
450 L.F.
30 EA.
50 TONS

6-INCH TYPE I PERFORATED SUB DRAIN
TYPE A-1 SUBDRAIN CLEANOUT
8-INCH COMBINATION SUBDRAIN / SUMP SERVICE
15-INCH RCP
18-INCH RCP
18-INCH RCP CLASS IV
21-INCH RCP
24-INCH RCP
24-INCH ARGH RCP
30-INCH RCP CLASS IV
5N-401 MANHOLE
*SIN-501 INTAKE
*SIN-503 INTAKE
3' CONCRETE FLUME
SERVICES
CLASS 'D' RIP RAP
*CAST IN PLACE STRUCTURES

PAYING

4,733 S.Y. 7-INCH NON-REINFORCED P.C.C. (NE TRAVERSE DR. & NE ARCHER AVE.)
5,407 S.Y. SUB GRADE PREP. WORK
1,035 S.Y. 8-INCH NON-REINFORCED P.C.C. (NE WESTGATE DR.)
1,183 S.Y. SUB GRADE PREP. WORK
527 S.Y. 4-INCH P.C.C. - 5.0' WIDE SIDEWALK PAVING AND RAMPS
176 L.F. 5' SIDEWALK ON NE ARCHER DRIVE ALONG OUTLOT 'Y'

LEGAL DESCRIPTION

ALL OF OUTLOT 'Z', PRAIRIE CROSSING, PLAT 4, AN OFFICIAL PLAT RECORDED
IN BOOK 2013, PAGE 21331 AT DALLAS COUNTY, IOWA.

ALL BEING IN AND FORMING A PART OF THE CITY OF WAUKEE
DALLAS COUNTY, IOWA.

CONTACT

ALICES, L.C.
C/O KNAPP PROPERTIES
4444 WESTOWN PARKWAY, SUITE 200
WEST DES MOINES, IA 50266
CONTACT PERSON: AIMEE STAUDT
CONTACT PH: 515-223-4000

PROJECT MANAGER

JERRY P. OLIVER, P.E.
CIVIL ENGINEERING CONSULTANTS
2400 86th STREET, UNIT 12.
DES MOINES, IOWA 50322
CONTACT PH: 515-276-4884, EXT. 12
EMAIL: OLIVER@CECLAC.COM

DRAWING INDEX FOR PUBLIC IMPROVEMENTS

1-2	SANITARY SEWER PLAN & PROFILE
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VICINITY MAP
NOT TO SCALE



UTILITY CONTACTS

SANITARY SEWER

- WAUKEE PUBLIC WORKS DEPARTMENT (515-987-4363)

WATER MAIN

- WAUKEE PUBLIC WORKS DEPARTMENT (515-987-4363)

STORM SEWER

- WAUKEE PUBLIC WORKS DEPARTMENT (515-987-4363)

NATURAL GAS UTILITY

- WAUKEE PUBLIC WORKS DEPARTMENT (515-987-4363)

ELECTRIC

- MID AMERICAN ENERGY (515-252-6597)

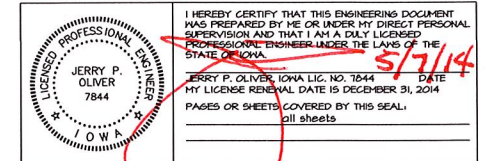


BENCHMARK

CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

ELEVATION-----1034.63

CERTIFICATION



DATE: DECEMBER 16, 2013

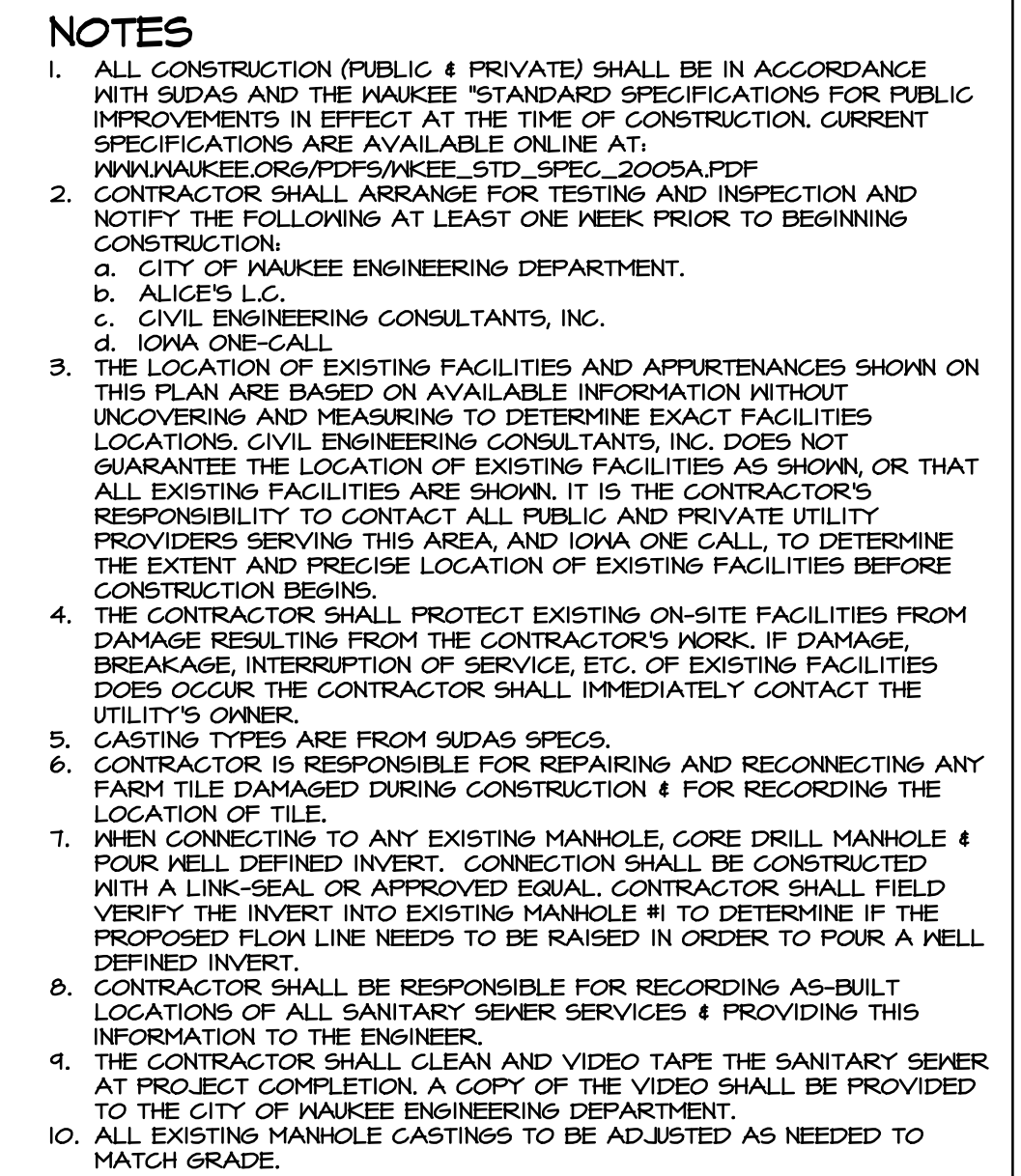
REVISION: FEBRUARY 12, 2014
MARCH 04, 2014
MARCH 25, 2014
APRIL 04, 2014
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MAY 07, 2014



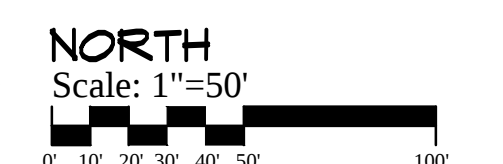
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2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . Fax: 515.276.7084 . mail@ceclac.com

F-7082

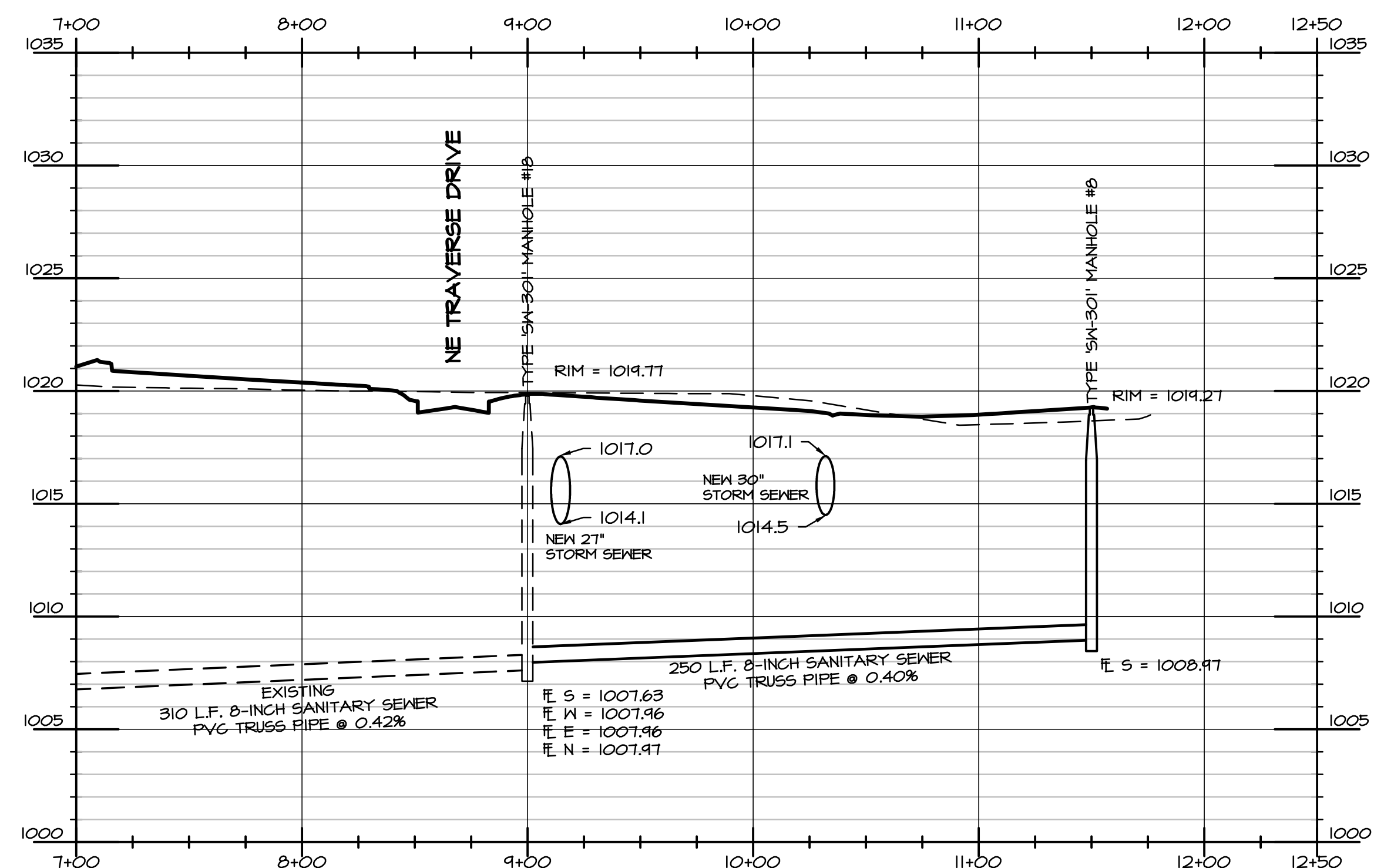
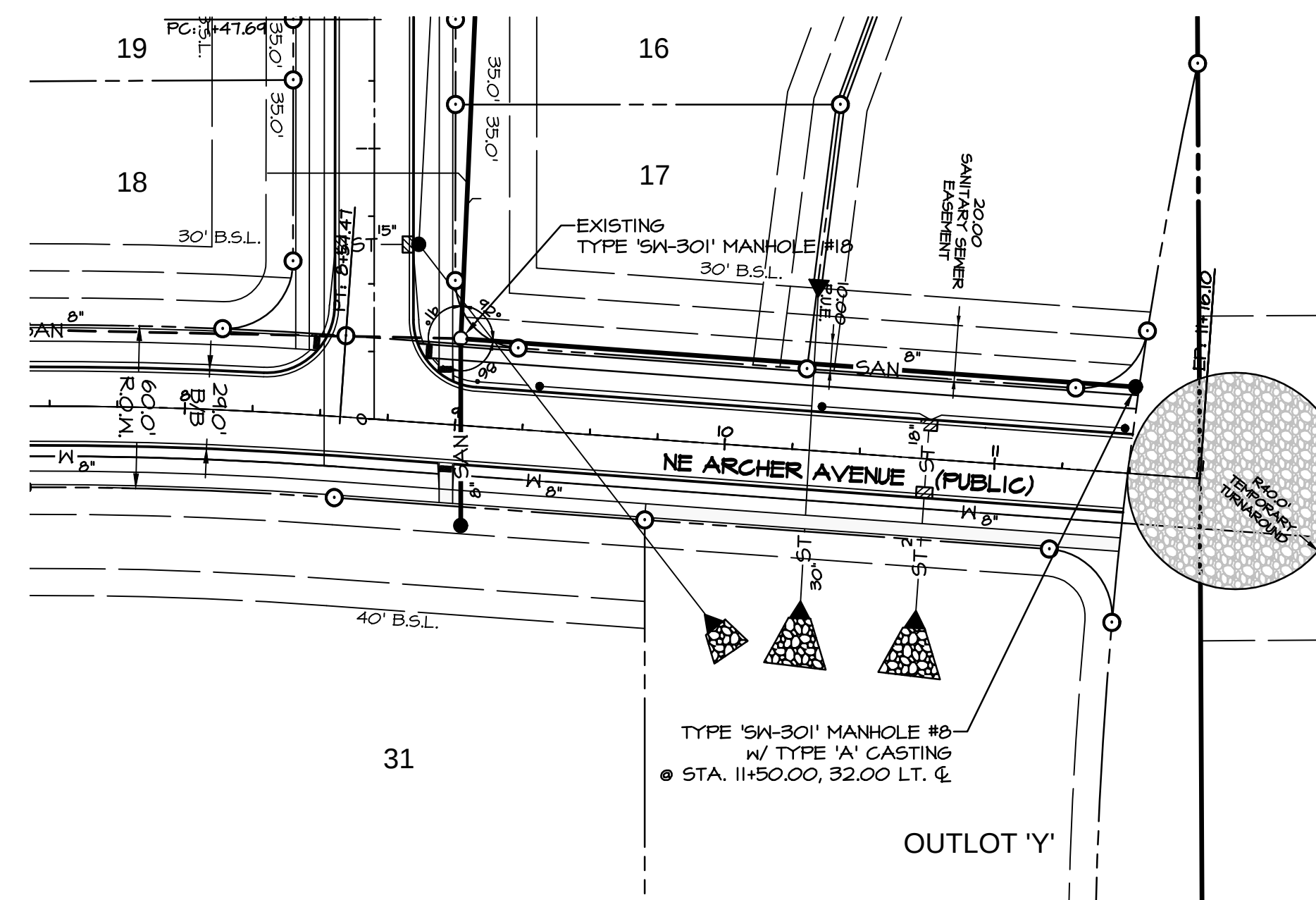
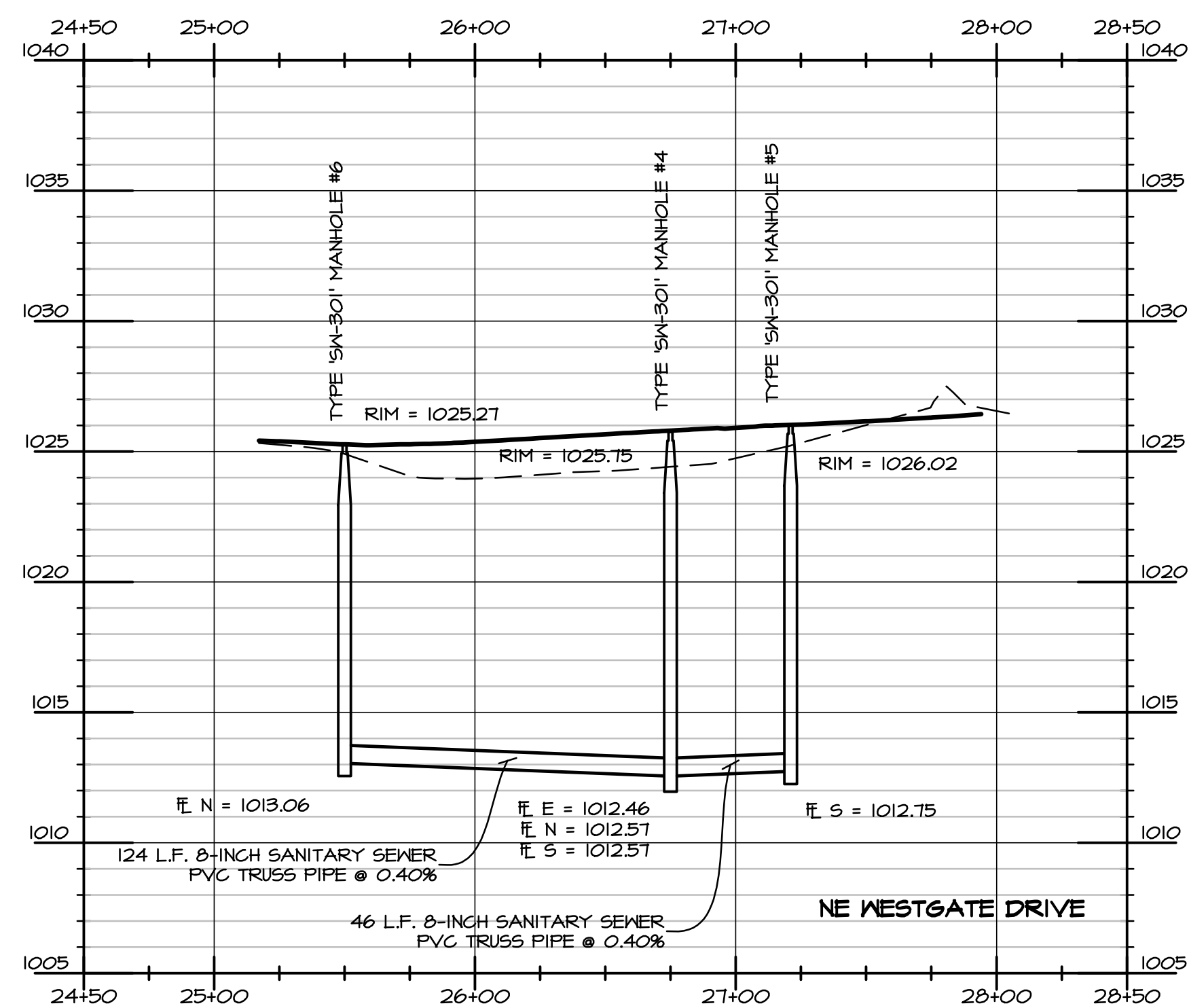
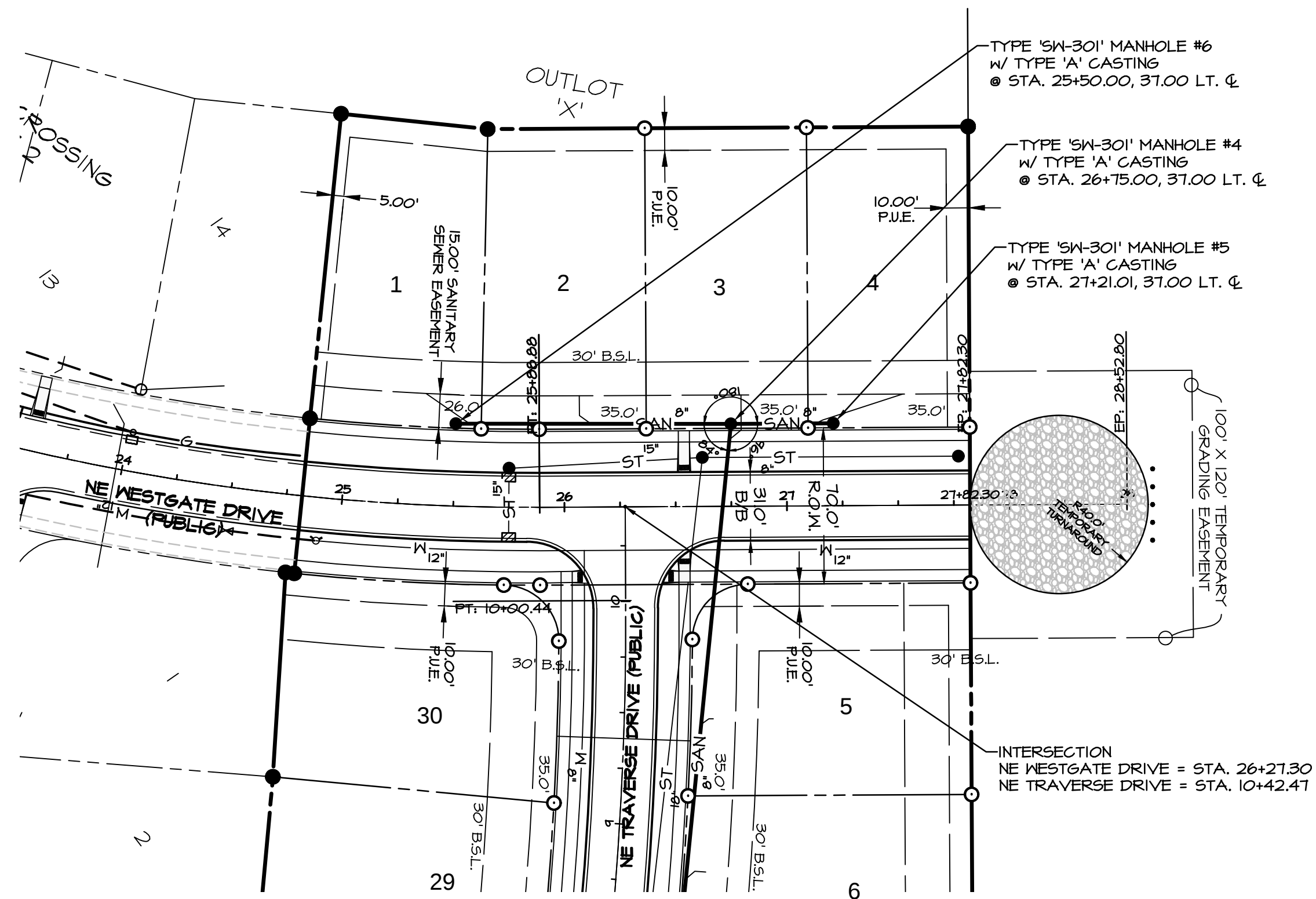


EXISTING/PROPOSED		
----- SAN ^{6"}	-----	PLAT BOUNDARY
----- ST ^{10"}	-----	SANITARY SEWER & SIZE
----- W ^{6"}	-----	STORM SEWER & SIZE
○	●	WATER MAIN & SIZE
□	●	MANHOLE
▽	▽	STORM INTAKE
▽	▽	FIRE HYDRANT
▽	▽	VALVE
▽	▽	FLARED END SECTION



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OF 15

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LEGEND

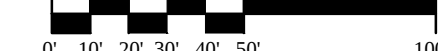
EXISTING/PROPOSED

- SAN 8" --- SANITARY SEWER # & SIZE
- ST 18" --- STORM SEWER # & SIZE
- W 8" --- WATER MAIN # & SIZE
- MANHOLE
- STORM INTAKE
- ▲ FIRE HYDRANT
- ▼ VALVE
- ▶ FLARED END SECTION



NORTH

Scale: 1"=50'



1-800-292-8989
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BENCHMARK

CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

ELEVATION:-----1034.63



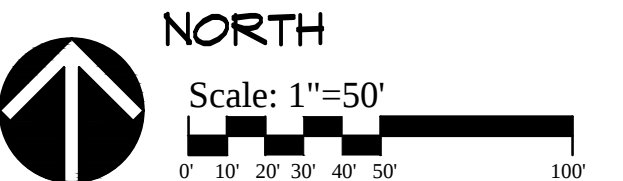
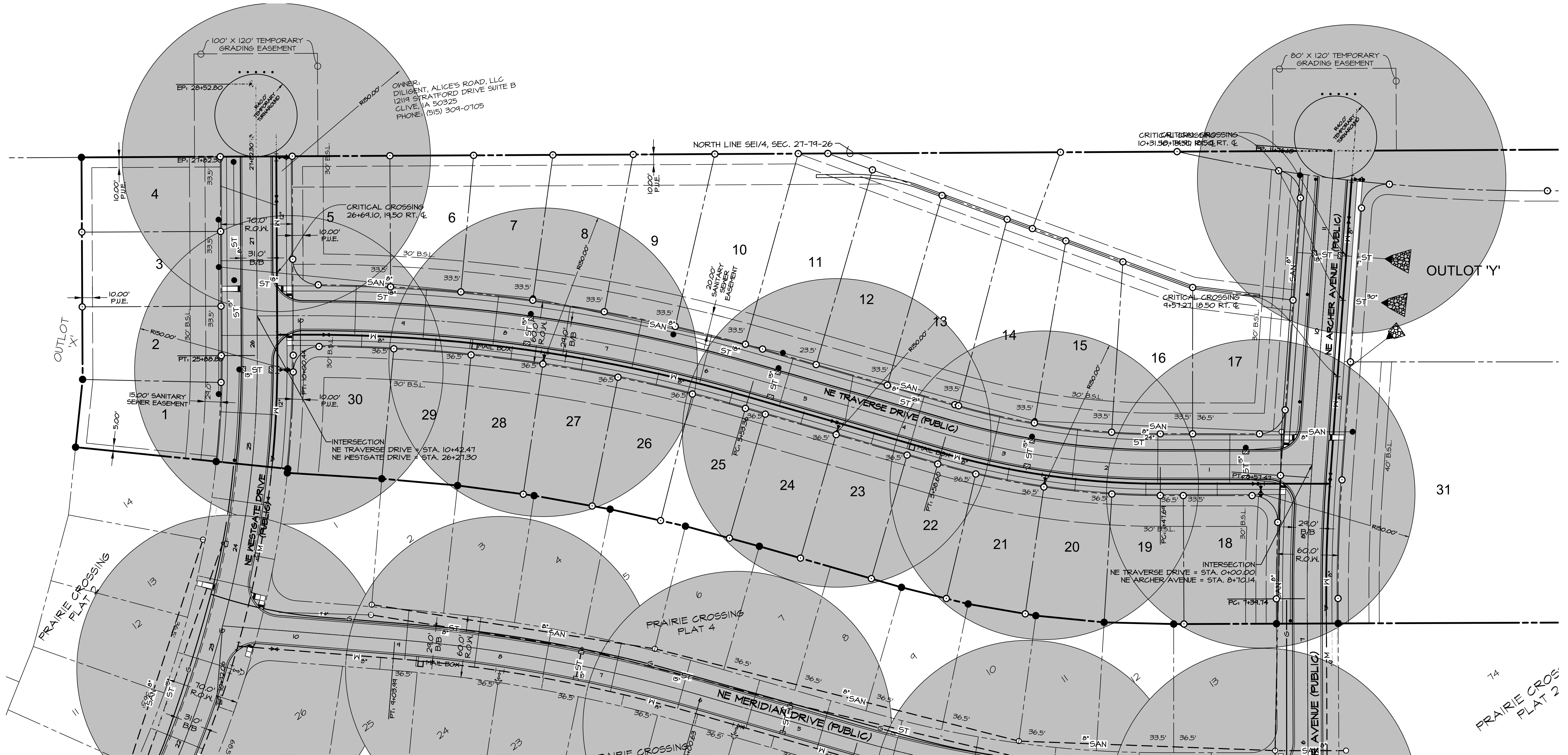
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SANITARY SEWER - PLAN & PROFILE
PRAIRIE CROSSING PLAT 5, WAUKEE, IOWA
ALICE'S L.C., 4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

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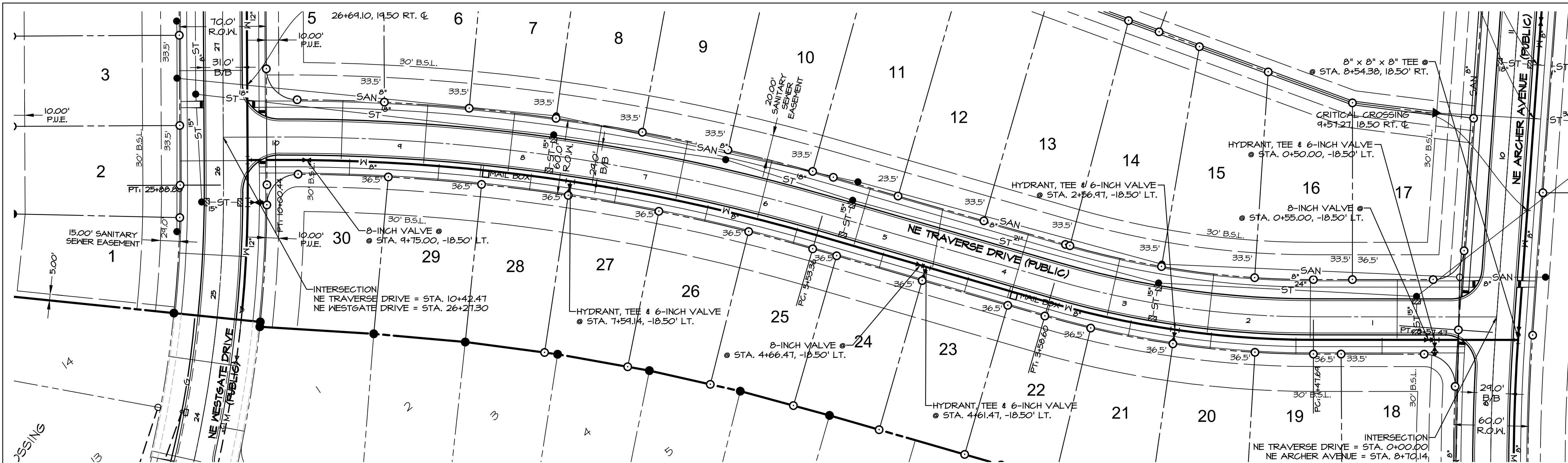
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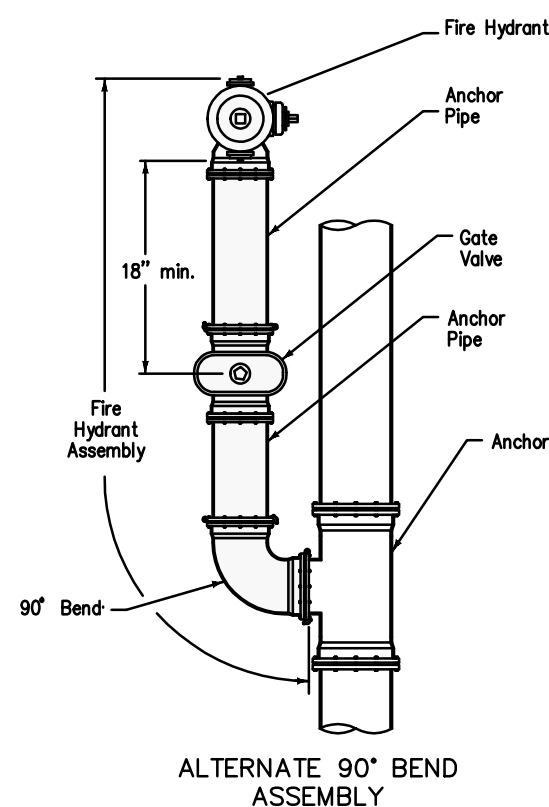
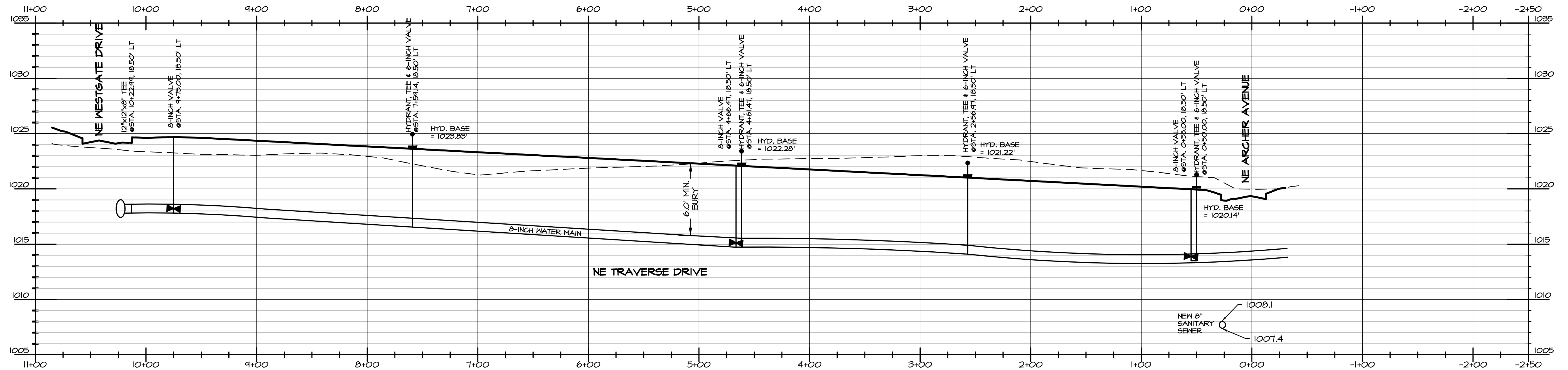
FIRE HYDRANT COVERAGE MAP
PRAIRIE CROSSING PLAT 5, WAUKEE, IOWA
ALICE'S L.C., 4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

E-7002



NOTES

- ALL CONSTRUCTION (PUBLIC & PRIVATE) SHALL BE IN ACCORDANCE WITH THE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS IN EFFECT AT THE TIME OF CONSTRUCTION. CURRENT SPECIFICATIONS ARE AVAILABLE ONLINE AT: WWW.WAUKEE.ORG/PDFS/WKEE_STD_SPEC_2005A.PDF.
- CONTRACTOR SHALL ARRANGE FOR TESTING AND INSPECTION AND NOTIFY THE FOLLOWING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION:
 - CITY OF WAUKEE ENGINEERS OFFICE
 - ALICES, L.C.
 - CIVIL ENGINEERING CONSULTANTS, INC.
 - IOWA ONE-CALL
- THE LOCATION OF EXISTING FACILITIES AND APPURTENANCES SHOWN ON THIS PLAN ARE BASED ON AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING TO DETERMINE EXACT FACILITIES LOCATIONS. CIVIL ENGINEERING CONSULTANTS, INC. DOES NOT GUARANTEE THE LOCATION OF EXISTING FACILITIES AS SHOWN OR THAT ALL EXISTING FACILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL PUBLIC AND PRIVATE UTILITY PROVIDERS SERVING THIS AREA, AND IOWA ONE CALL, TO DETERMINE THE EXTENT AND PRECISE LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION BEGINS.
- THE CONTRACTOR SHALL PROTECT EXISTING ON-SITE FACILITIES FROM DAMAGE RESULTING FROM THE CONTRACTOR'S WORK. IF DAMAGE, BREAKAGE, INTERRUPTION OF SERVICE, ETC., OF EXISTING FACILITIES DOES OCCUR THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE UTILITY'S OWNER.
- PIPE MATERIALS: DUCTILE IRON IN ACCORDANCE WITH STANDARD SPECIFICATIONS OR ANNA C400 DR - 18 PVC INSTALL NO. 10 THIN STANDARD COPPER TRACER WIRE TO SURFACE AT FIRE HYDRANTS INTO AN APPROVED TRACER WIRE RECEPTACLE SUCH AS AA MANUFACTURING TRACER WIRE RECEPTACLE MODEL TW-10 OR APPROVED EQUAL AND SHALL BE ATTACHED TO THE BOTTOM FLANGE OF THE HYDRANT USING AN EXISTING HYDRANT FLANGE BOLT.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND PROTECT ALL UTILITIES AND STRUCTURES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL PROTECT AND BACKFILL AROUND ALL UTILITIES AND STRUCTURES. BACKFILL SHALL BE IN 6-INCH LAYERS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, & OR TO 48% OPTIMUM MOISTURE CONTENT.
- HYDRANTS, MANHOLE COVERS AND VALVE BOXES SHALL BE SET TO CONFORM TO FINISHED PAVEMENT ELEVATIONS.
- SERVICES TO BE 1-INCH COPPER, STOP BOXES TO BE MUELLER H-10300 OR EQUAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING THE AS-BUILT LOCATION OF ALL WATER SERVICES AND PROVIDING THIS INFORMATION TO THE ENGINEER.
- HYDRANTS SHALL BE SET NOT MORE THAN 2.5 FEET FROM CENTER OF WATER MAIN.
- IF DISCREPANCY EXISTS BETWEEN THE DETAILED PLANS AND THE QUANTITIES, THE PLANS SHALL GOVERN.
- AN APPROVED SADDLE SHALL BE USED FOR ALL WATER SERVICE TAPS.
- ALL HYDRANTS AND BLOWOFFS TO HAVE A STORZ FITTING.
- ALL HYDRANTS TO BE 2 FEET (24-INCHES) FROM THE EDGE OF PUBLIC SIDEWALK OR TRAIL.

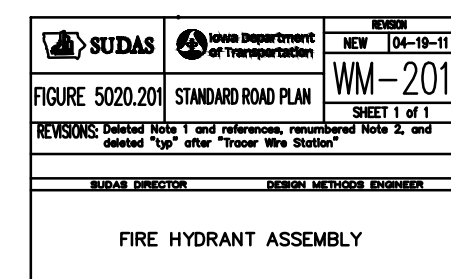


- Use ductile iron pipe with restrained mechanical joints for fire hydrant assembly and anchor tee.
- ① Do not cover drain holes or tracer wire.

BENCHMARK

CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

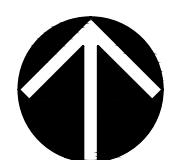
ELEVATION-----1034.63



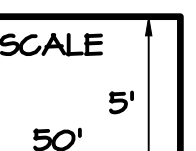
LEGEND

EXISTING/PROPOSED

- | | |
|-----|-----------------------|
| --- | PLAT BOUNDARY |
| --- | SANITARY SEWER & SIZE |
| --- | STORM SEWER & SIZE |
| --- | WATER MAIN & SIZE |
| ● | MANHOLE |
| ▲ | STORM INTAKE |
| ▲ | FIRE HYDRANT |
| ▲ | VALVE |
| ▲ | FLARED END SECTION |



NORTH
Scale: 1"=50'



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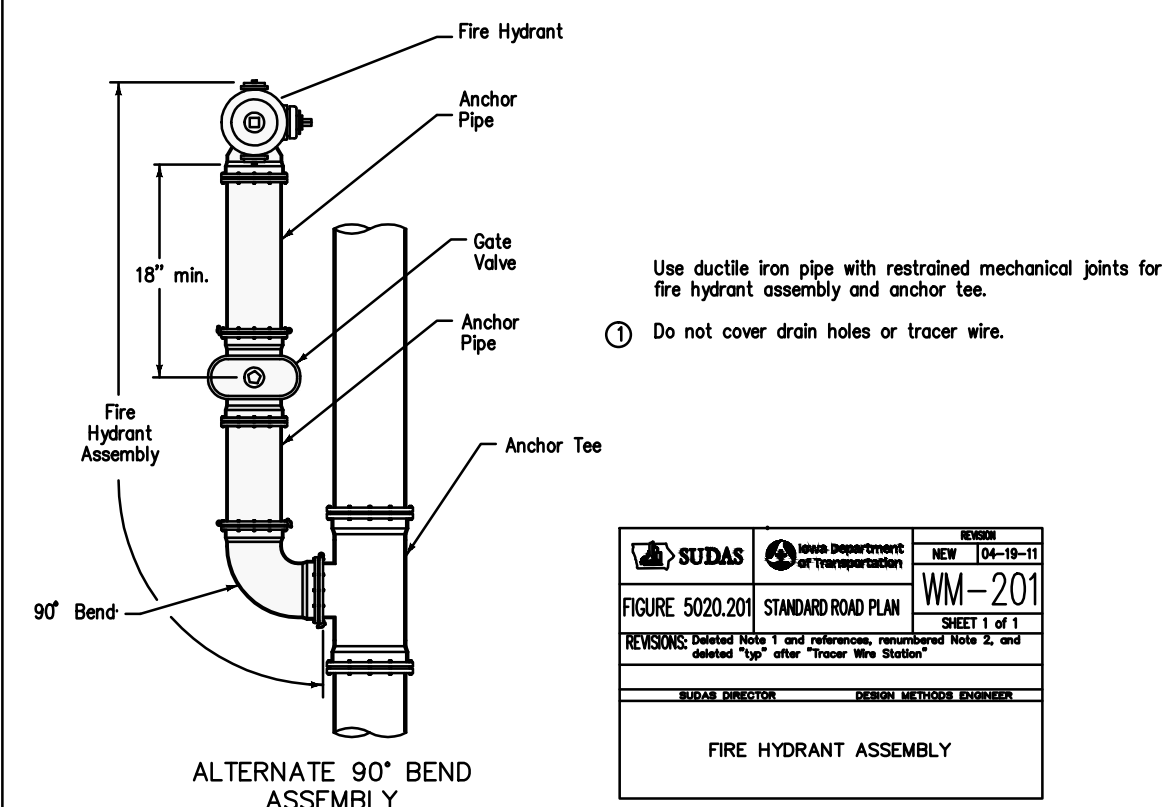
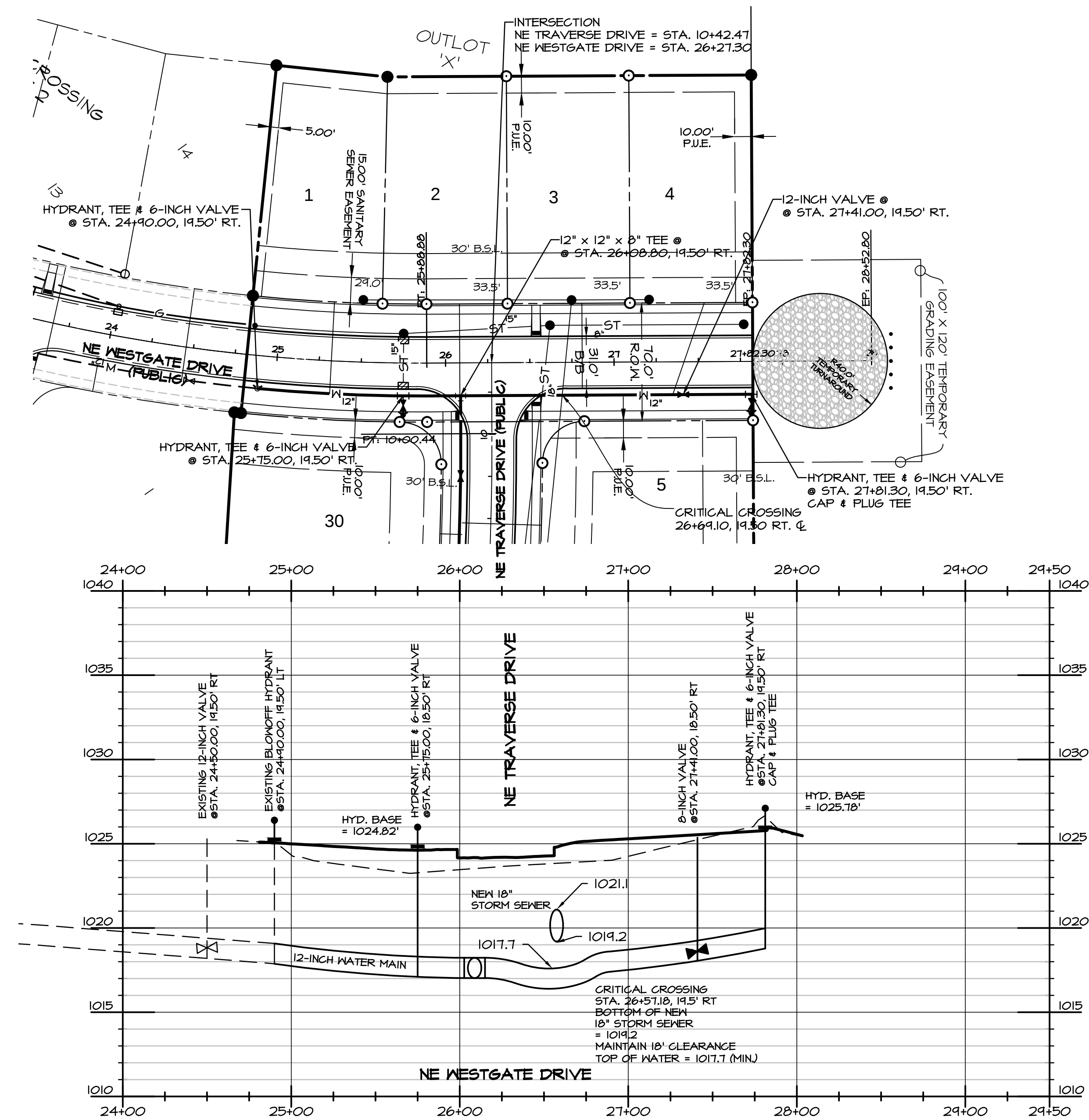
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WATER MAIN - PLAN & PROFILE
PRAIRIE CROSSING PLAT 5, WAUKEE, IOWA
ALICES L.C., 4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

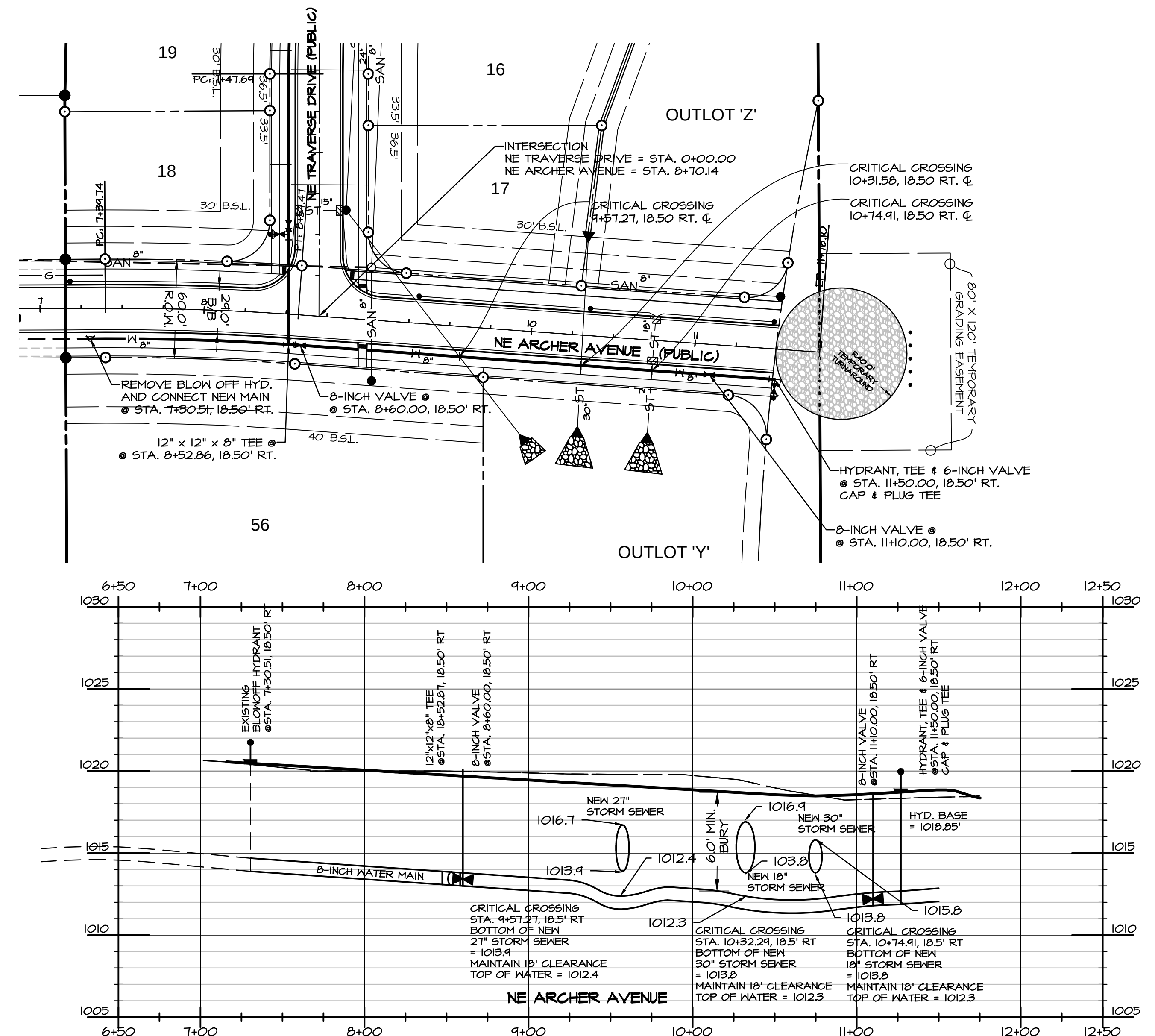
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BENCHMARK

CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

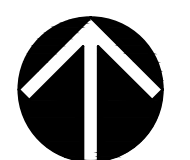
ELEVATION-----1034.63



LEGEND

EXISTING/PROPOSED

	FLAT BOUNDARY
	SANITARY SEWER & SIZE
	STORM SEWER & SIZE
	WATER MAIN & SIZE
	MANHOLE
	STORM INTAKE
	FIRE HYDRANT
	VALVE
	FLARED END SECTION



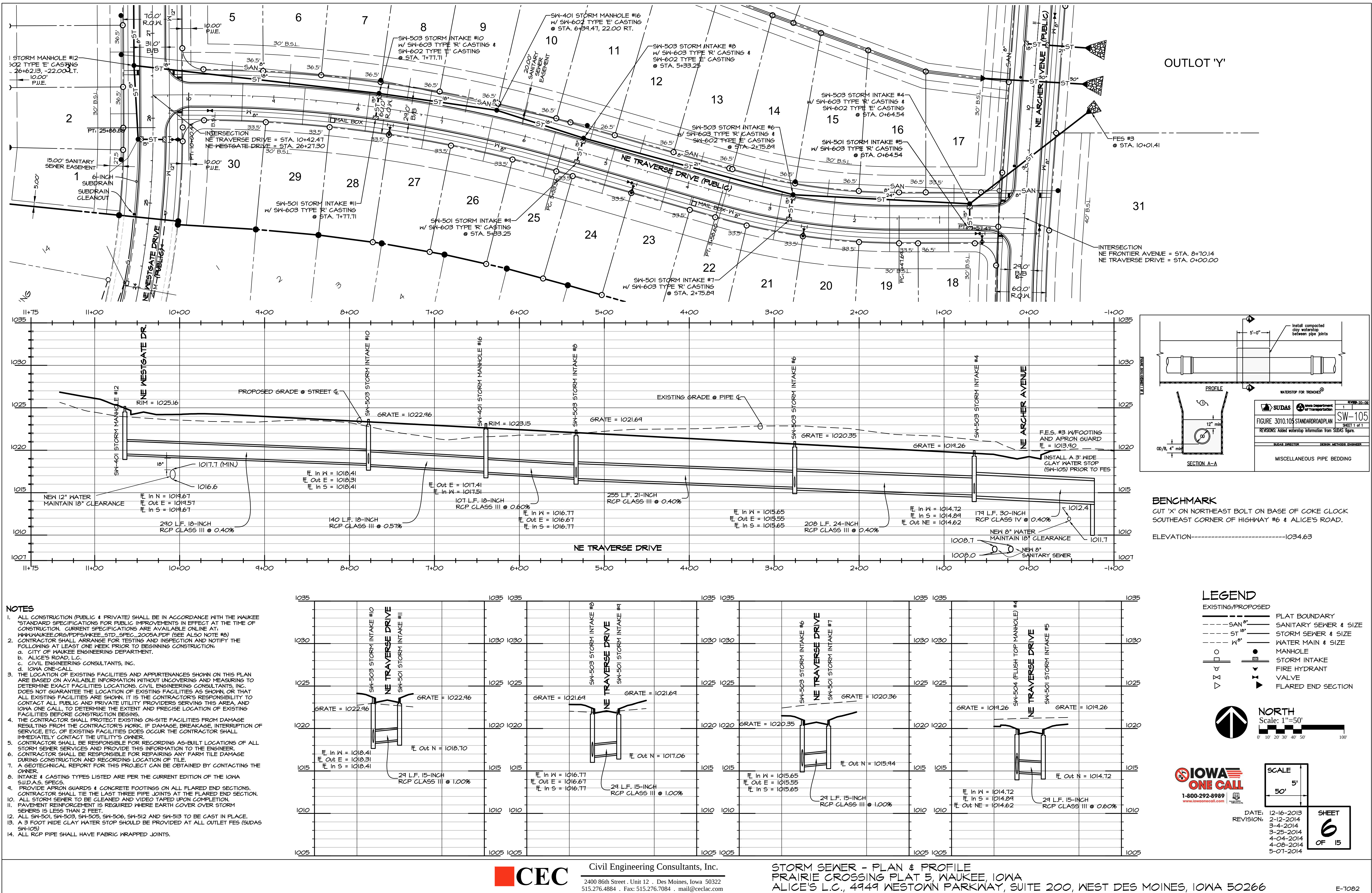
NORTH
Scale: 1"=50'

A north arrow pointing upwards and a graphic scale bar marked from 0' to 50' in 10-foot increments.

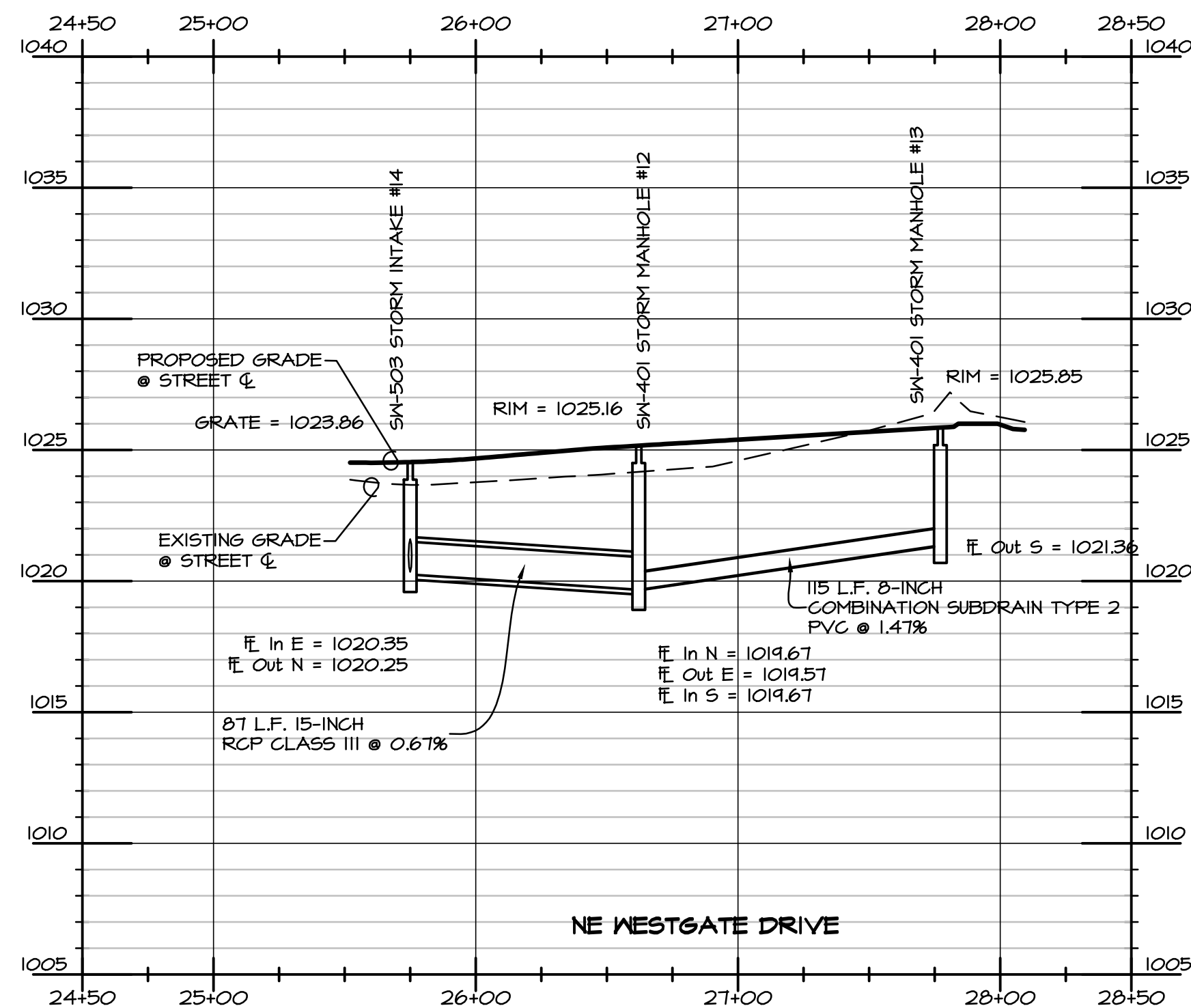
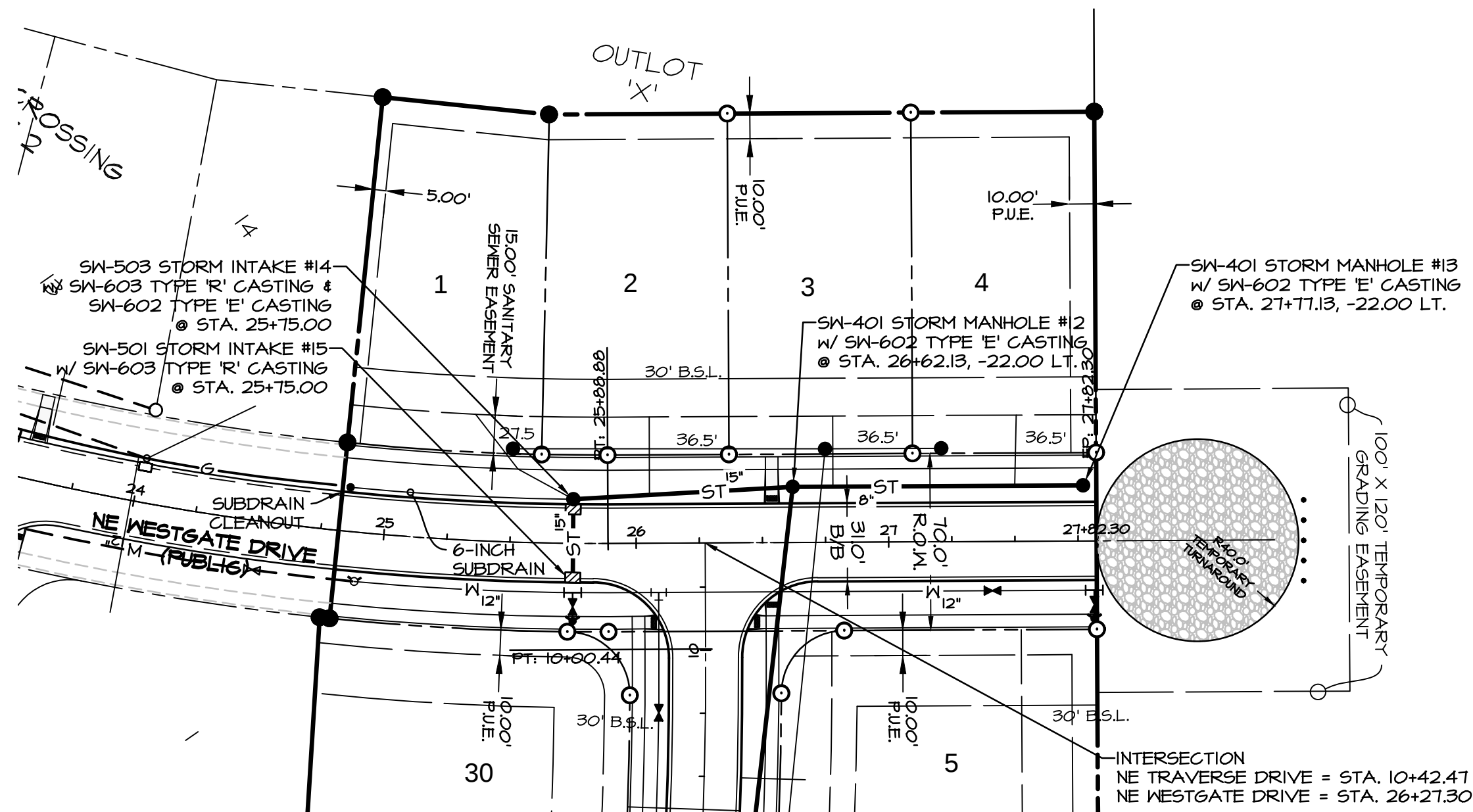
1-800-292-8989
www.lowgocall.com

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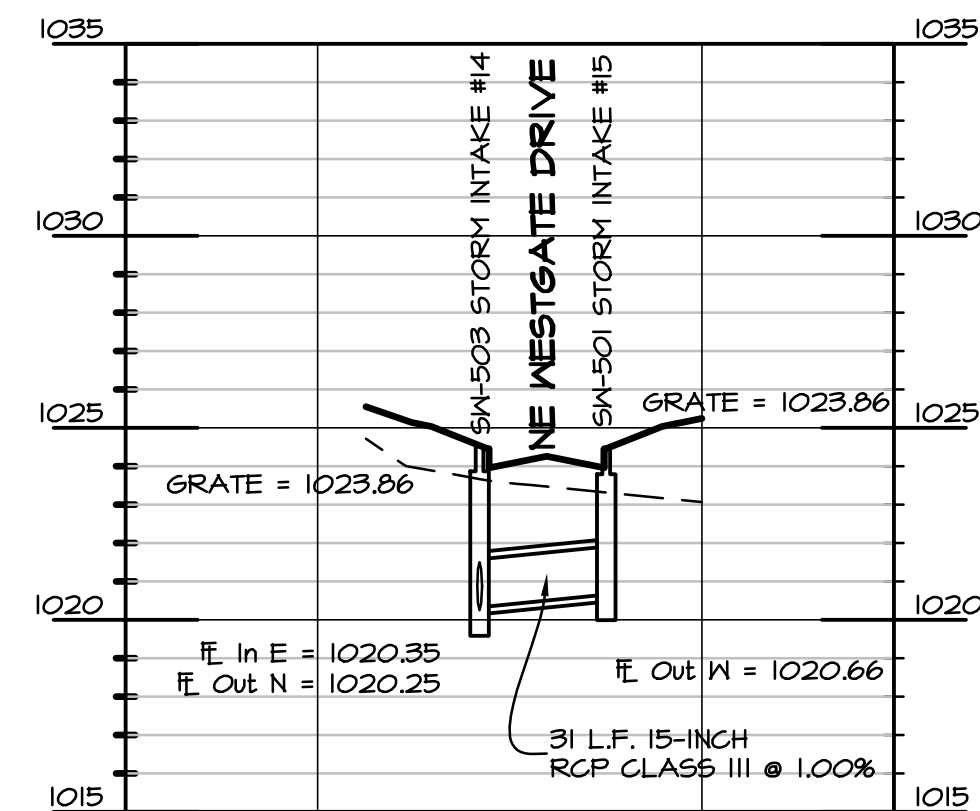
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ALL PROPOSED 8-INCH STORM SEWER SHALL BE PERFORATED 8-INCH A2000.

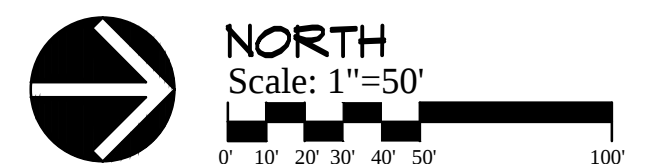


BENCHMARK
CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

ELEVATION-----1034.63

LEGEND

EXISTING/PROPOSED	
---	PLAT BOUNDARY
---	SAN 8" SANITARY SEWER & SIZE
---	ST 18" STORM SEWER & SIZE
---	W 8" WATER MAIN & SIZE
○	MANHOLE
□	STORM INTAKE
△	FIRE HYDRANT
▽	VALVE
▶	FLARED END SECTION



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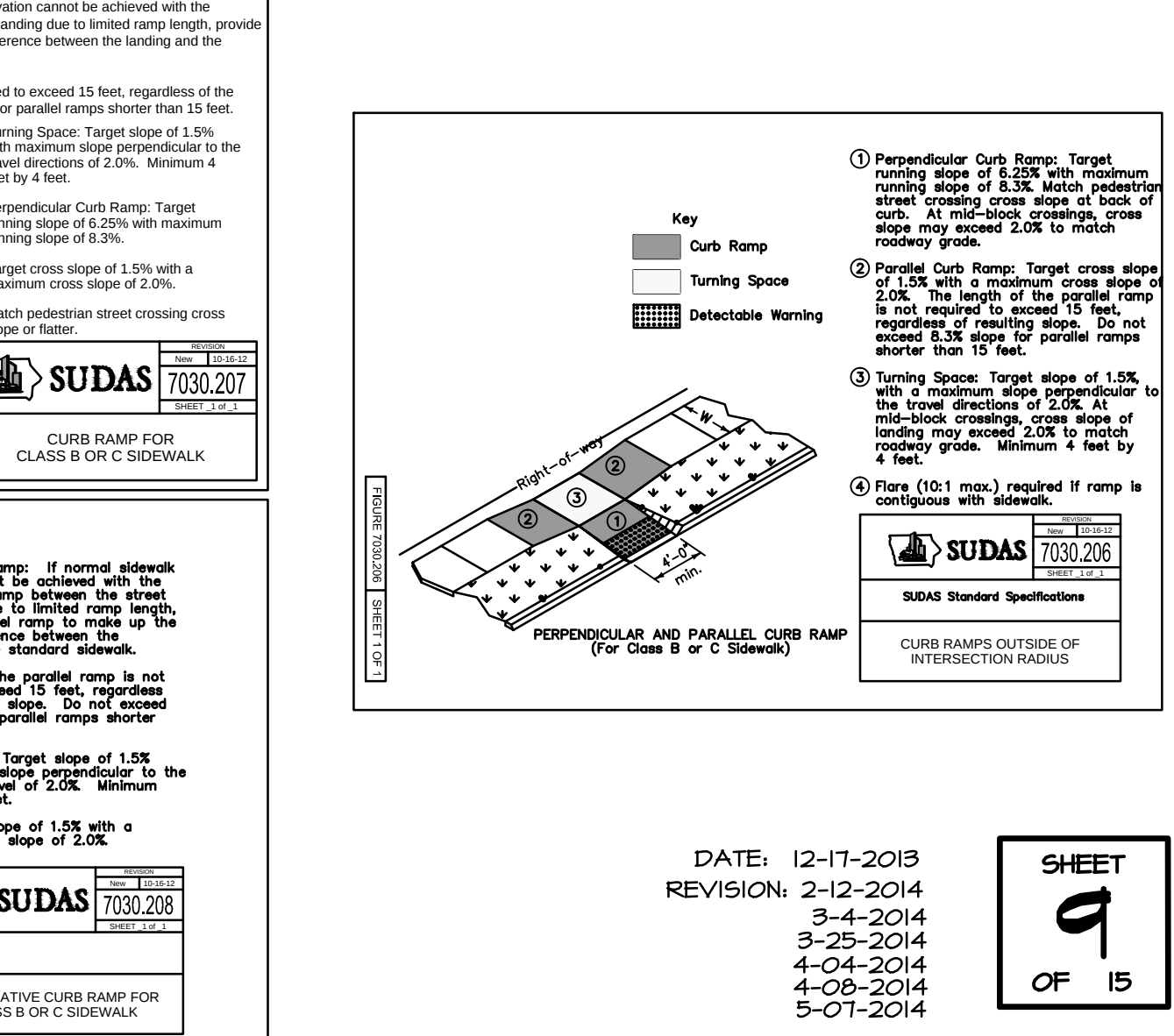
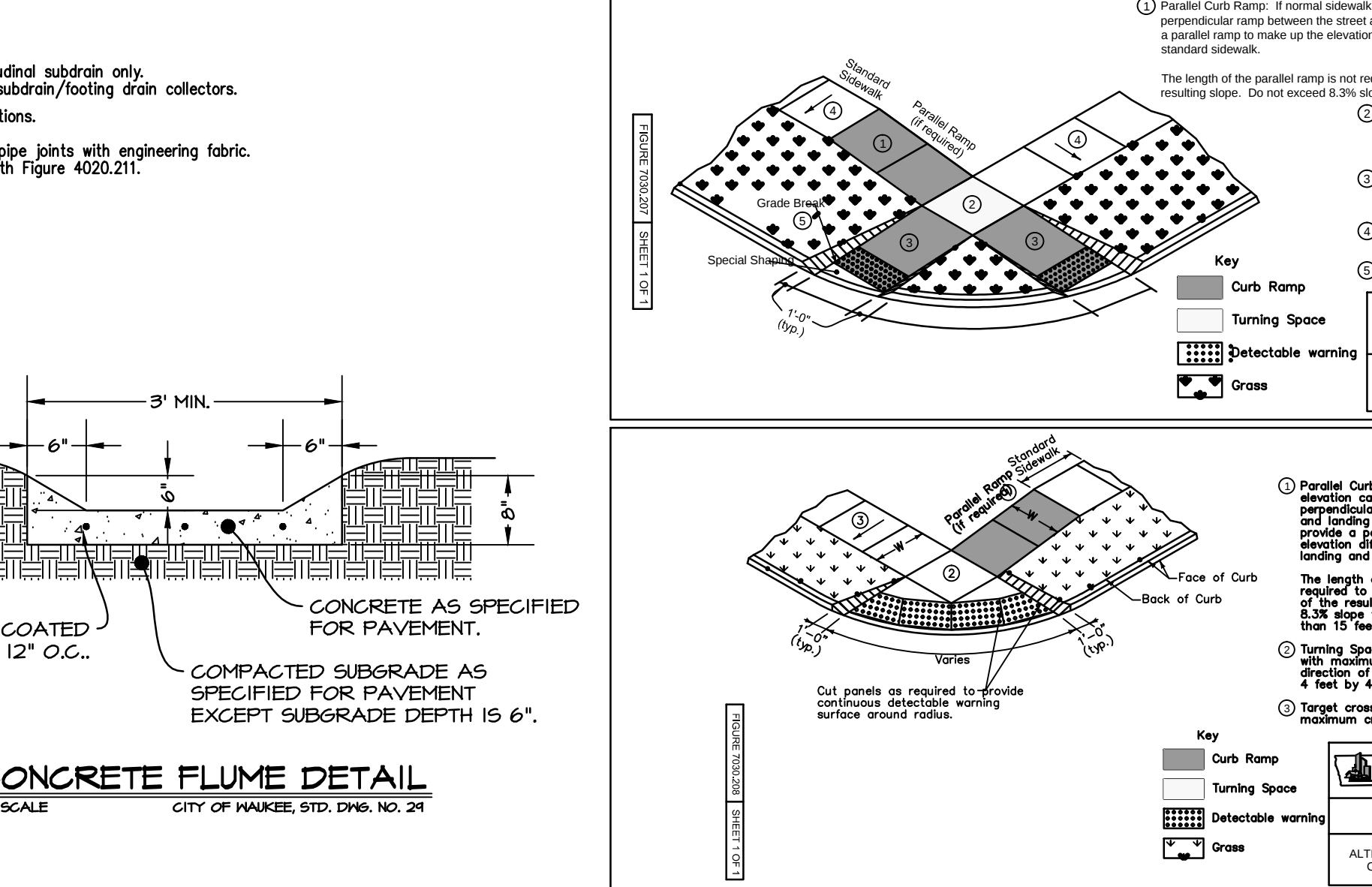
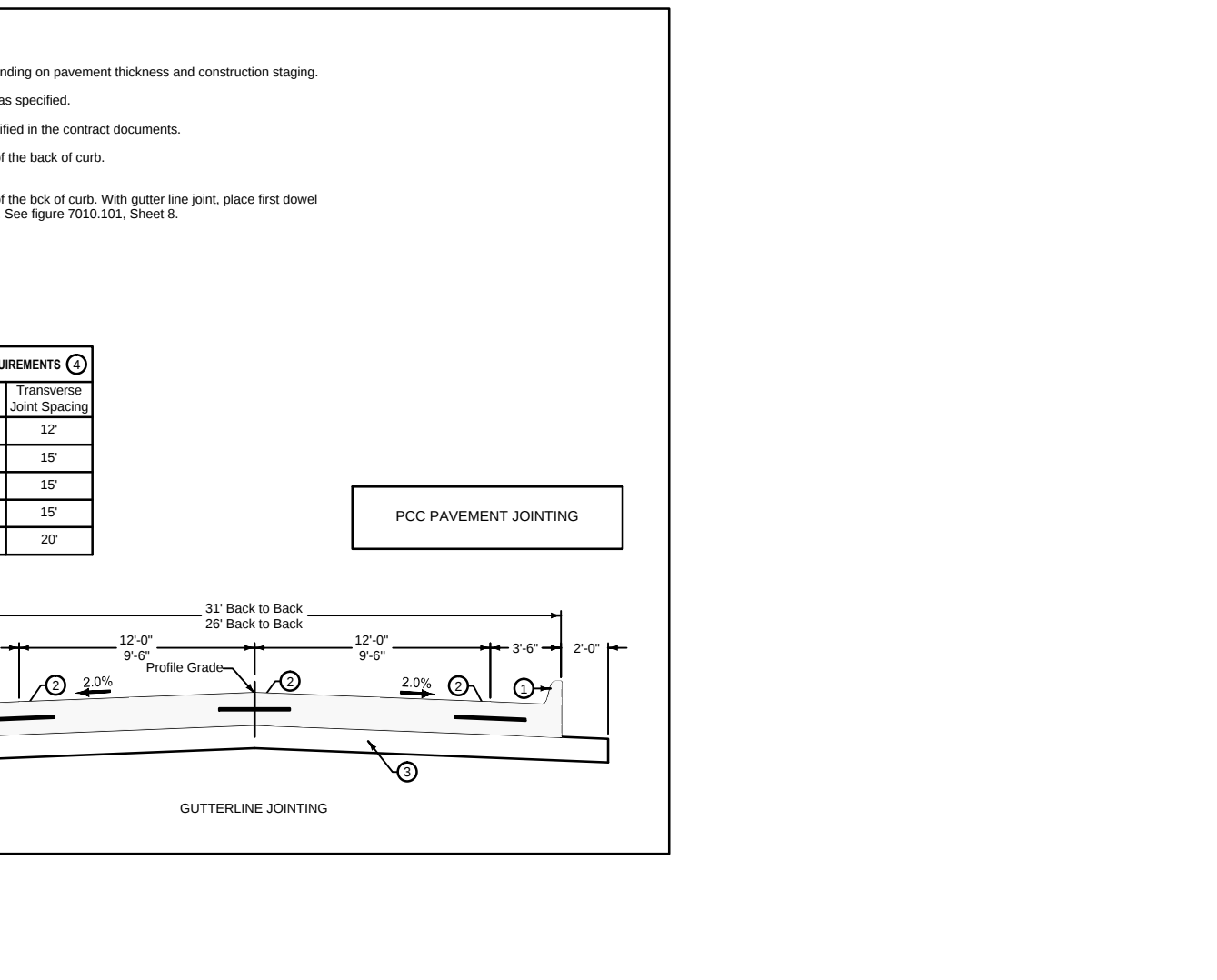
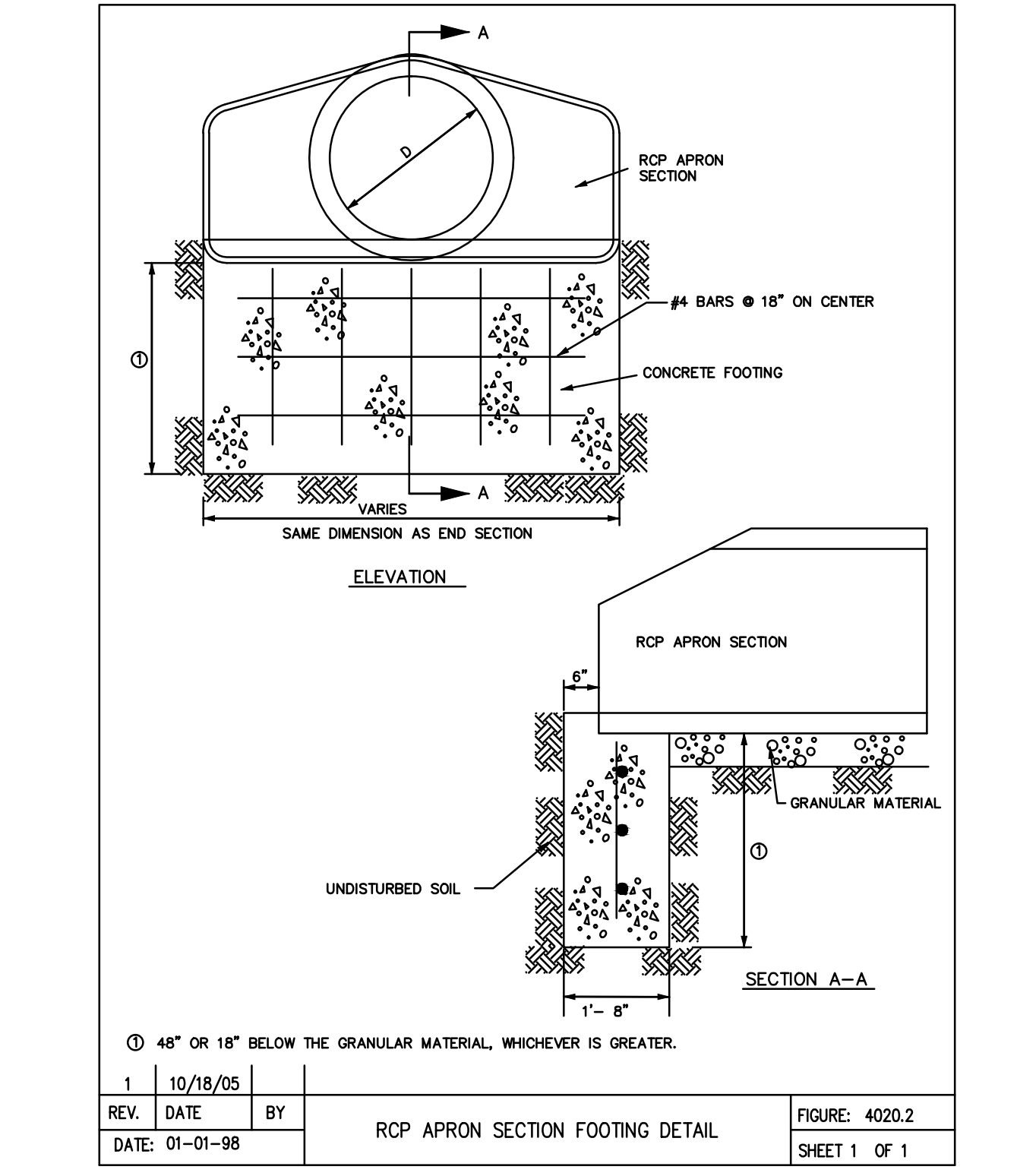
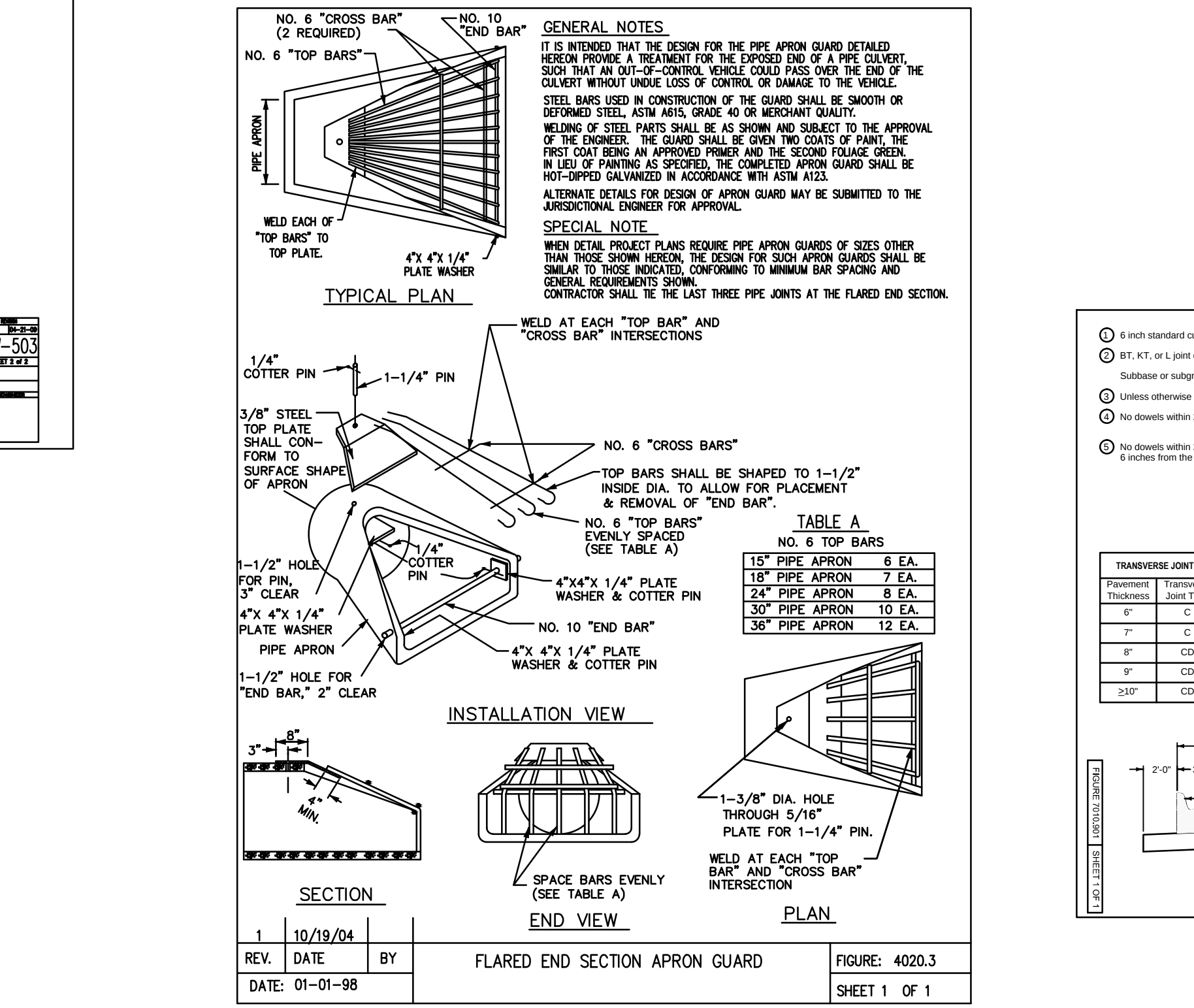
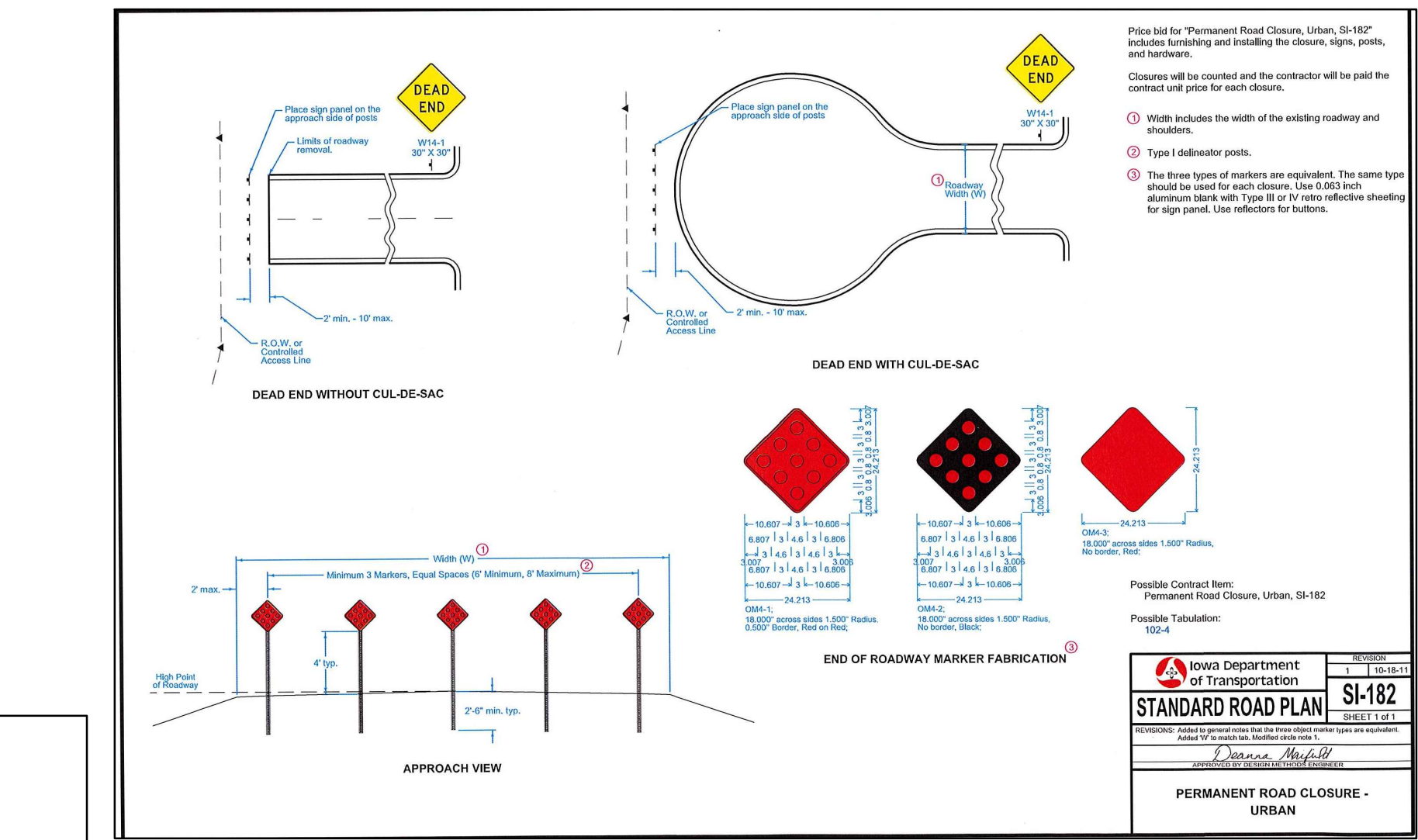
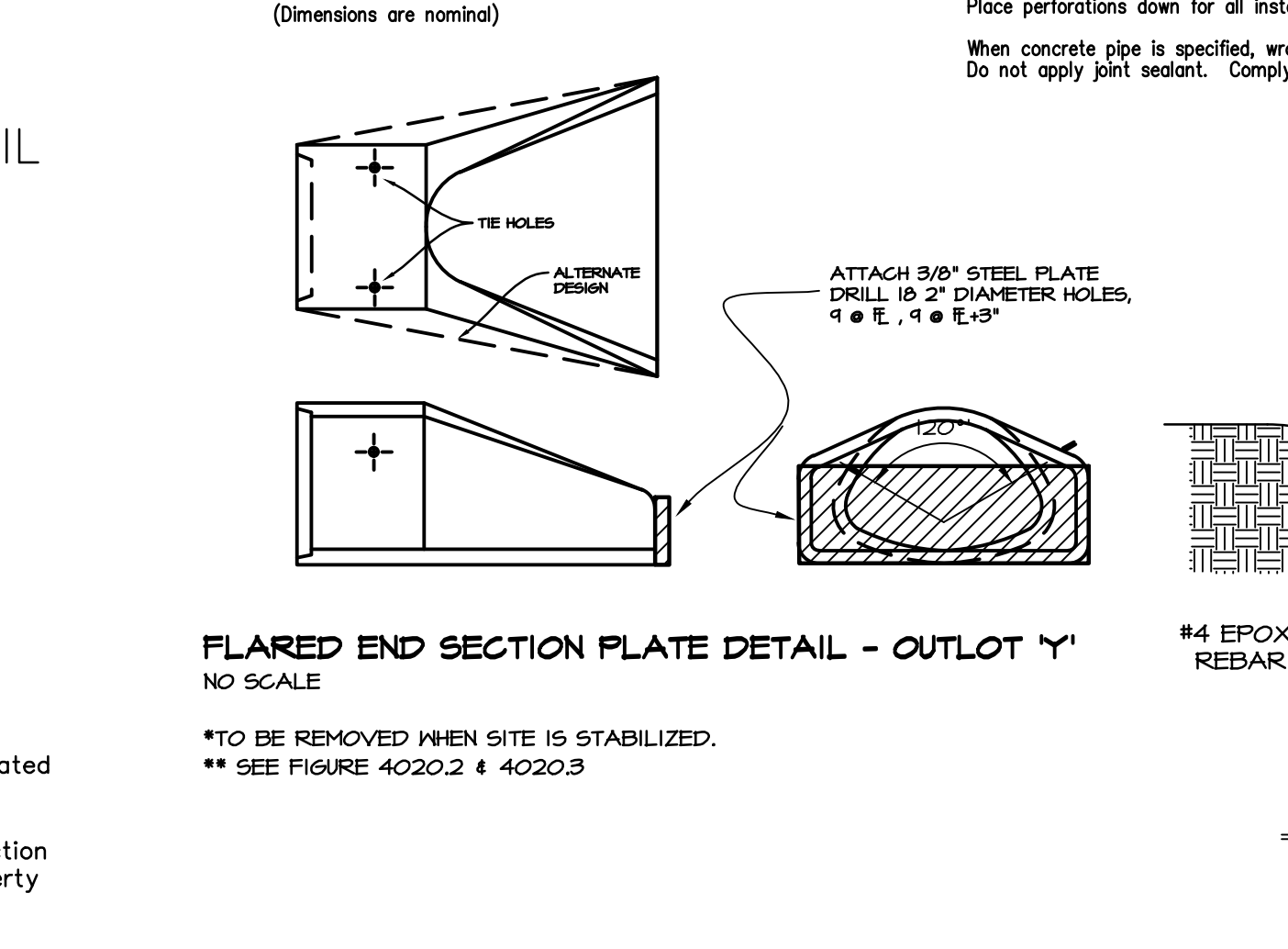
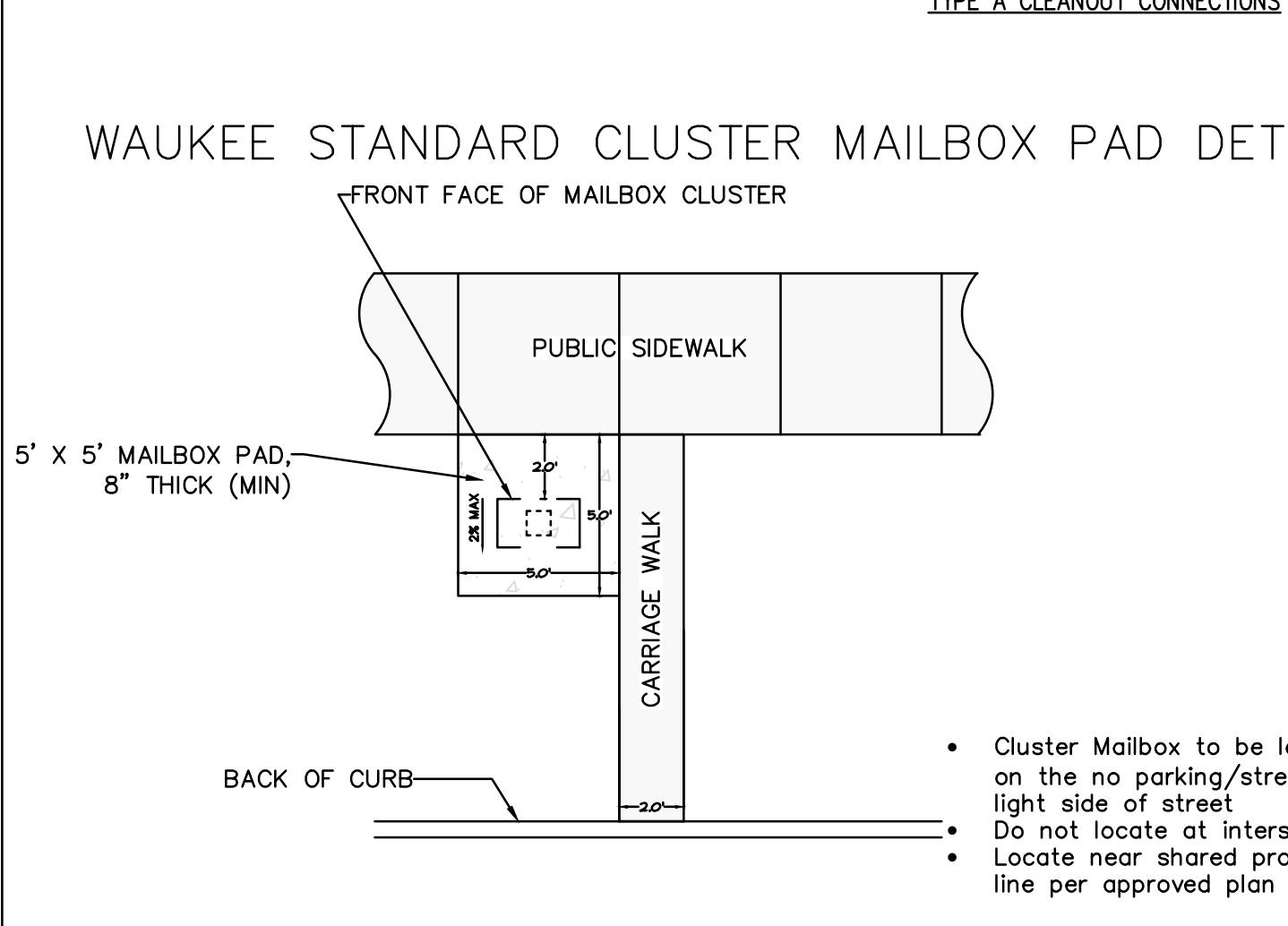
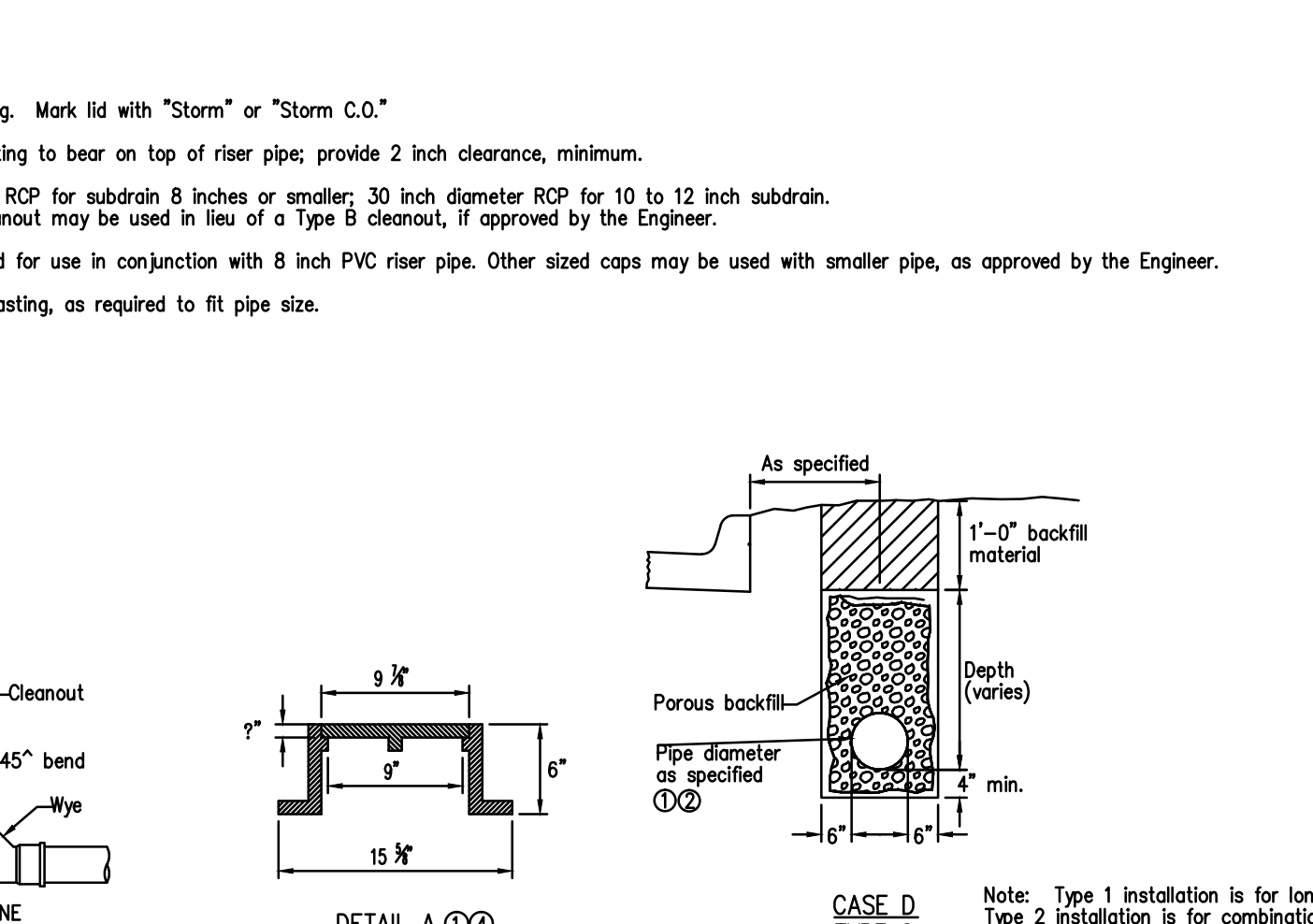
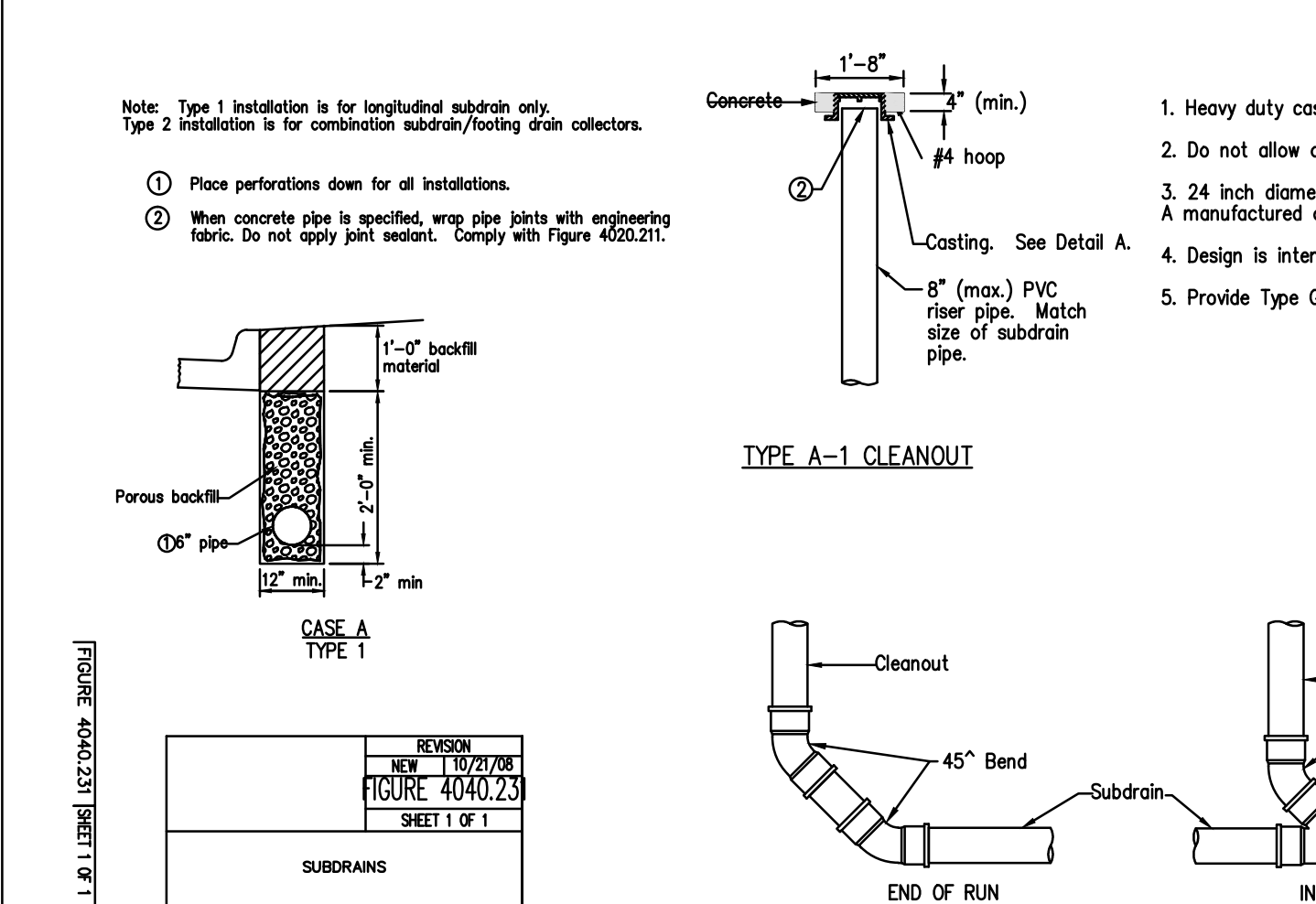
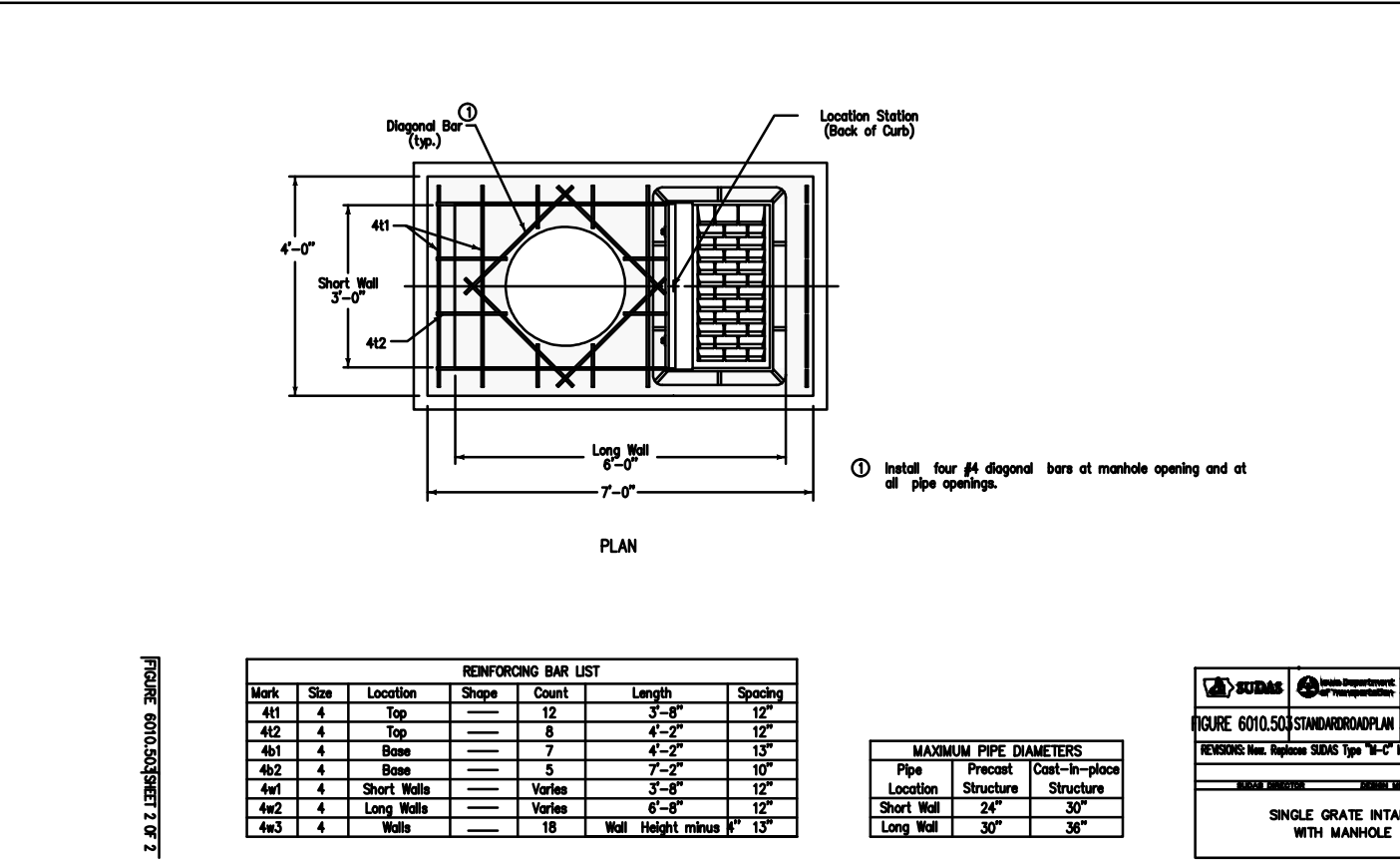
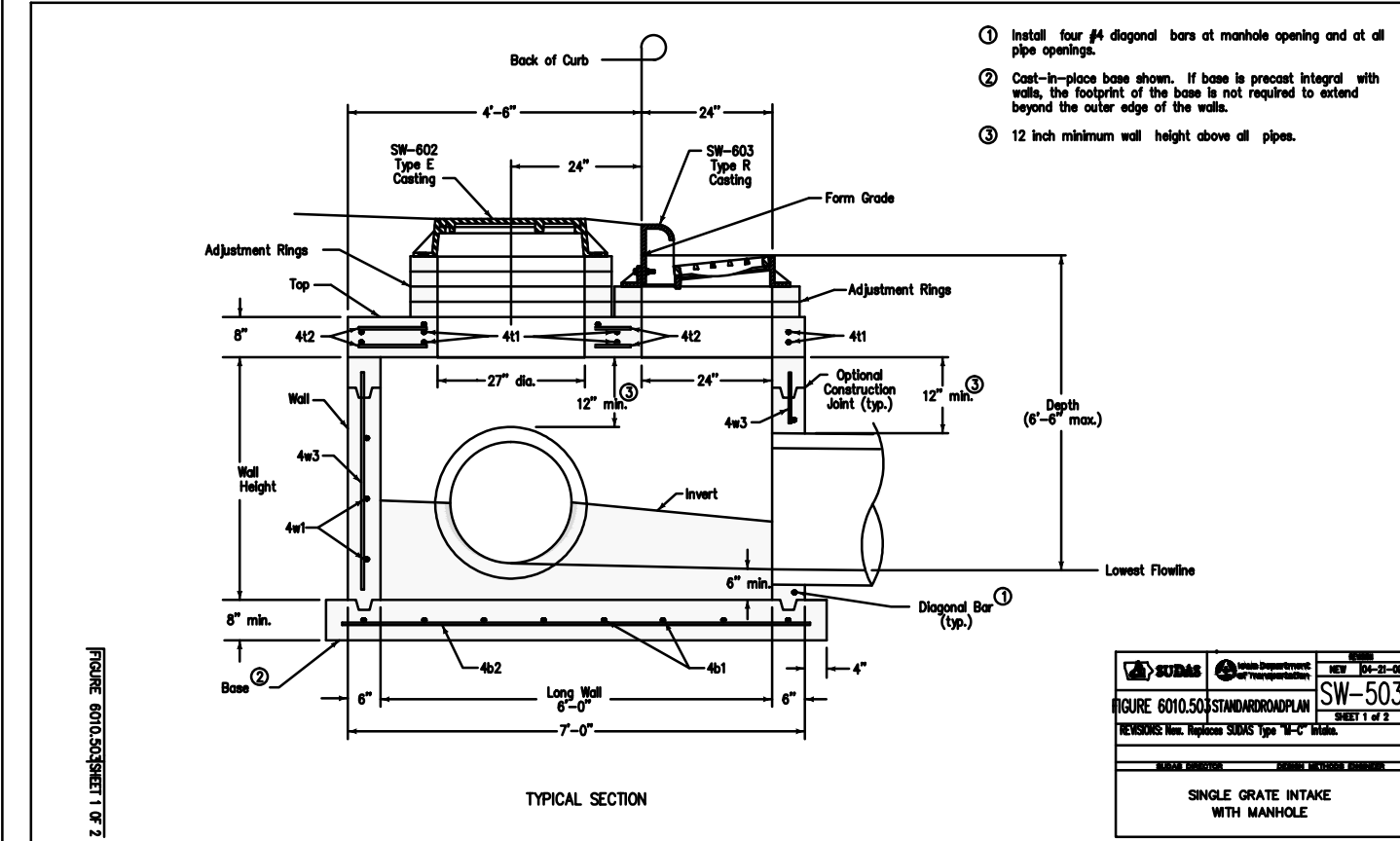
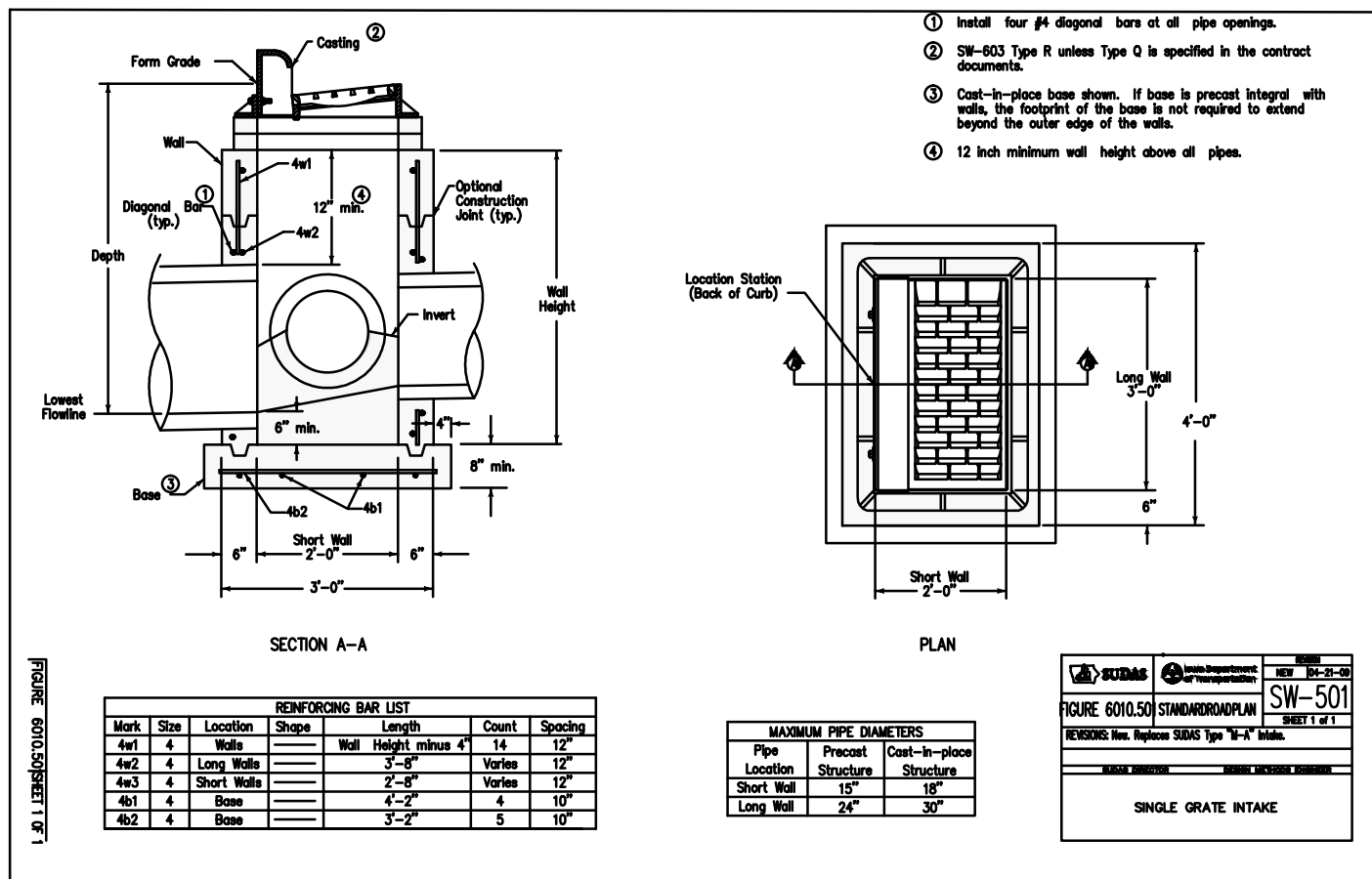
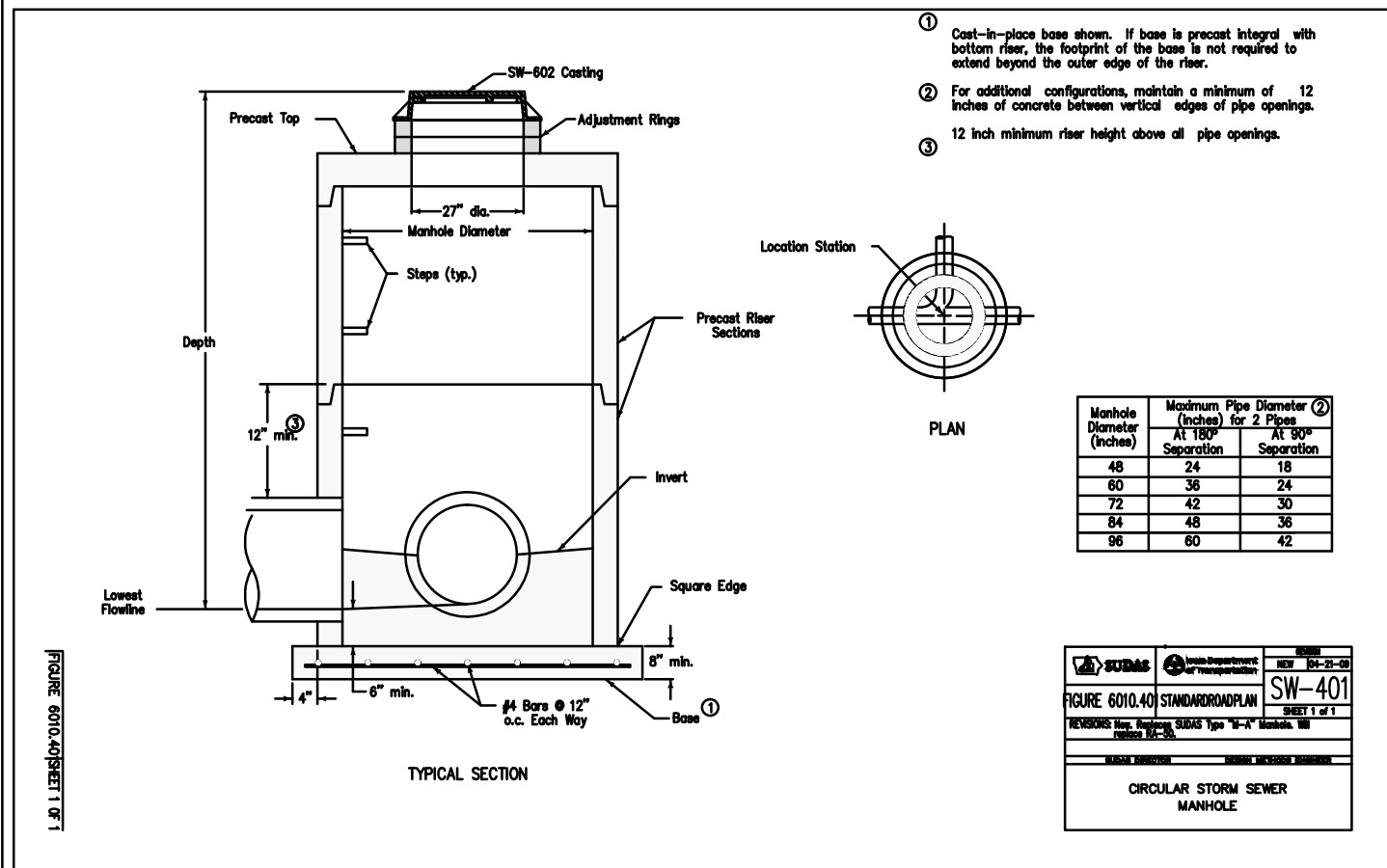
SHEET
7
OF 15

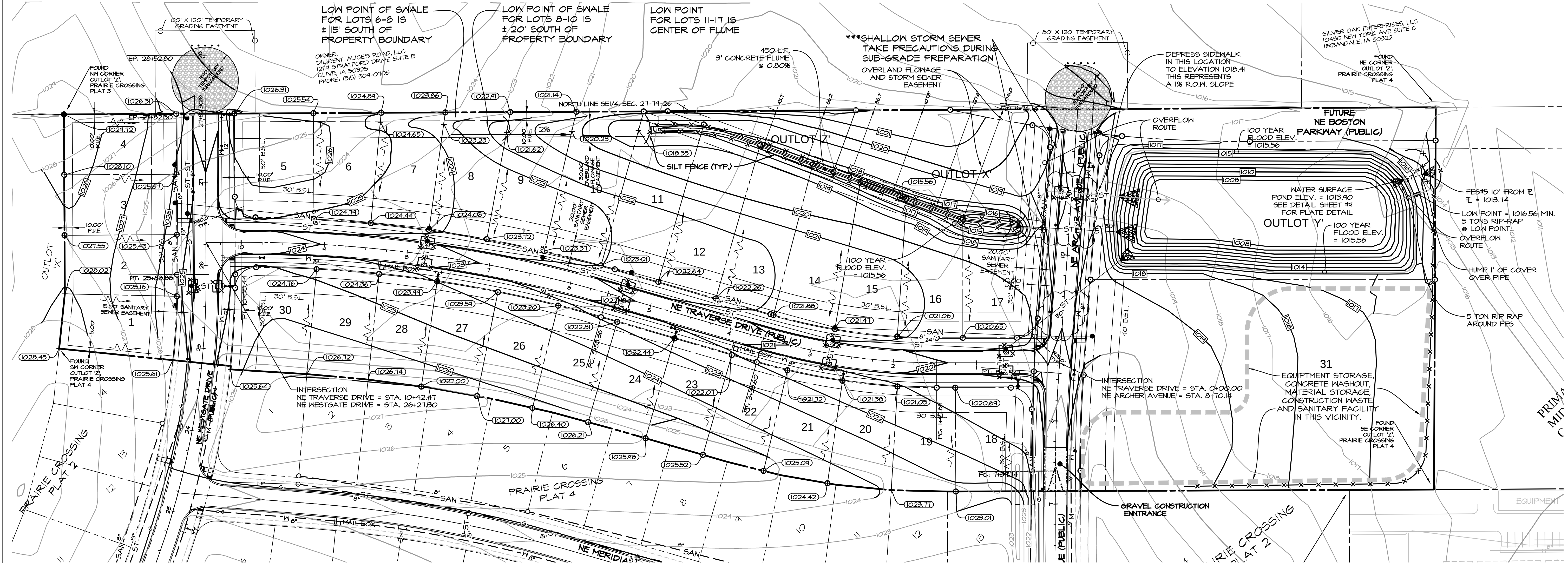


Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . Fax: 515.276.7084 . mail@ceclac.com

STORM SEWER - PLAN & PROFILE
PRAIRIE CROSSING PLAT 5, WAUKEE, IOWA
ALICE'S L.C., 4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

E-7002





GRADING AND EROSION CONTROL NOTES

- ALL CONSTRUCTION (PUBLIC & PRIVATE) SHALL BE IN ACCORDANCE WITH THE WAUKEE "STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS IN EFFECT AT THE TIME OF CONSTRUCTION. CURRENT SPECIFICATIONS ARE AVAILABLE ONLINE AT: WWW.WAUKEE.ORG/PDF/STANDARD_SPEC_2005A.PDF
- CONTRACTOR SHALL ARRANGE FOR TESTING AND INSPECTION AND NOTIFY THE FOLLOWING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION:
 - CITY OF WAUKEE ENGINEERING DEPARTMENT.
 - ALICE'S, LLC.
 - CIVIL ENGINEERING CONSULTANTS, INC.
 - IOWA ONE-CALL.
- THE LOCATION OF EXISTING FACILITIES AND APPURTENANCES SHOWN ON THIS PLAN ARE BASED ON AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING TO DETERMINE EXACT FACILITIES LOCATIONS. CIVIL ENGINEERING CONSULTANTS, INC. DOES NOT GUARANTEE THE LOCATION OF EXISTING FACILITIES AS SHOWN, OR THAT ALL EXISTING FACILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL PUBLIC AND PRIVATE UTILITY PROVIDERS SERVING THIS AREA, AND IOWA ONE CALL, TO DETERMINE THE EXTENT AND PRECISE LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION BEGINS.
- THE CONTRACTOR SHALL PROTECT EXISTING ON-SITE FACILITIES FROM DAMAGE RESULTING FROM THE CONTRACTOR'S WORK. IF DAMAGE, BREAKAGE, INTERRUPTION OF SERVICE, ETC. OF EXISTING FACILITIES DOES OCCUR THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE UTILITY'S OWNER.
- STRIP ALL VISIBLE TOPSOIL ON-SITE AND STOCKPILE FOR RESPREAD NON PAVED AREAS THAT ARE DISTURBED DURING CONSTRUCTION MUST HAVE AT LEAST 4 INCHES OF TOPSOIL AT THE TIME OF FINAL STABILIZATION. THE GENERAL PERMIT #2 HOLDER SHALL PROVIDE WRITTEN CERTIFICATION THAT THE SITE COMPLIES WITH THE 4-INCH TOPSOIL REQUIREMENTS.
- UNLESS GRADING FOR A DESIGNED SUMP OR LOW POINT AREA, GRADE ALL SITE AREAS TO DRAIN WITHOUT TRAPPING OR PONDING SURFACE WATER WHEN SITE GRADING IS COMPLETE.
- FINAL GRADE ELEVATIONS OF ALL PAVED AREAS SHALL BE WITHIN 0.10 FEET OF PLAN GRADE UNLESS STATED OTHERWISE IN THE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS. LAWN AREAS SHALL BE WITHIN 0.20 FEET OF PLAN GRADE.
- SPOT ELEVATIONS ON PAVED SURFACES ARE TOP OF SLAB ELEVATIONS UNLESS NOTED OTHERWISE.
- CIVIL ENGINEERING CONSULTANTS, INC. IS NOT A GEOTECHNICAL ENGINEER.
- A GEOTECHNICAL REPORT FOR THIS PROJECT CAN BE OBTAINED BY CONTACTING THE OWNER.
- A MINIMUM OF ONE FOOT OF COMPACTED CLAY SOIL LINER SHALL BE PROVIDED IN THE POND BELOW THE PERMANENT POOL ELEVATION. POND SLOPES SHALL BE DISKED & COMPACTED PRIOR TO PLACEMENT OF LINER. AREAS ENCOUNTERING SAND SHALL BE OVEREXCAVATED A MINIMUM OF 2 FEET & UP TO 5 FEET. THESE AREAS SHOULD BE FILLED IN WITH COHESIVE ENGINEERED COMPACTED FILL.
- AN ASBUILT PLAN SET SHALL BE PROVIDED UPON COMPLETION OF SITE IMPROVEMENTS INCLUDING DIMENSIONS, ELEVATIONS AND SPOT ELEVATIONS FOR ALL OVERLAND FLOWAGE EASEMENTS AT EACH LOCATION WHERE THE EASEMENT CROSSES A PROPERTY LINE, INCLUDING STREET R.O.W.'S.
- ALL DETENTION POND GRADING SHALL BE FIELD VERIFIED BY DESIGN ENGINEER AND ASBUILTS SHALL BE PROVIDED TO THE CITY WITH A LETTER OF CERTIFICATION FROM THE ENGINEER THAT THE POND WAS CONSTRUCTED TO DESIGN.
- THE CONTRACTOR SHALL CERTIFY ON THE ASBUILT PLAN THAT THE STORMWATER MANAGEMENT FACILITY WAS CONSTRUCTED TO ADDRESS ALL PROPERTIES WITHIN THE DEVELOPMENT.
- ALL LOTS SHALL HAVE A MINIMUM OF 2% SLOPE ACROSS THE LOT.
- SUDAS EROSION CONTROL MIX SHALL BE USED ON ALL DISTURBED AREAS EXCEPT SUDAS PERMANENT LAWN MIXTURE SHALL BE USED ON LANDSCAPE BUFFERS AND ALL OF OUTLOT 'Z'.
- ALL INTAKES TO HAVE BELOW GRADE INLET PROTECTION WHEN STREETS ARE BEING PAVED.
- TOTAL AREA OF SITE DISTURBANCE = 15.05 ACRES.
- ALL STREETS TO BE CLEANED BY THE END OF THE WORK DAY PRIOR TO A RAIN EVENT.

BENCHMARK

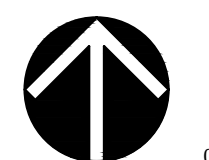
CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.

ELEVATION-----1034.63

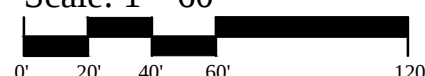
LEGEND

EXISTING/PROPOSED

- | | | |
|-----|--------------------|-----------------------|
| --- | PLAT BOUNDARY | |
| --- | SAN 8" | SANITARY SEWER & SIZE |
| --- | ST 18" | STORM SEWER & SIZE |
| --- | W 8" | WATER MAIN & SIZE |
| ○ | MANHOLE | |
| ● | STORM INTAKE | |
| ⋈ | FIRE HYDRANT | |
| ⋈ | VALVE | |
| △ | FLARED END SECTION | |



NORTH
Scale: 1"=60'



DATE: 12-16-2013
REVISION: 2-12-2014
3-4-2014
3-25-2014
4-04-2014
4-08-2014
5-07-2014

SHEET
10
OF 15

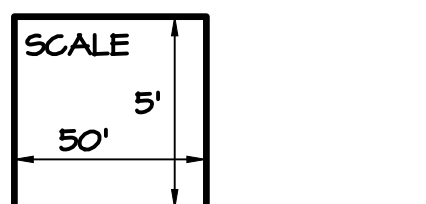
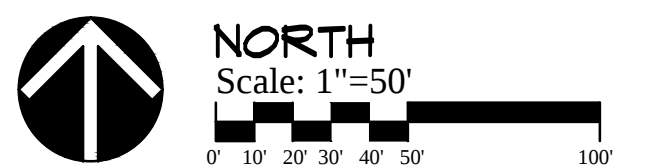
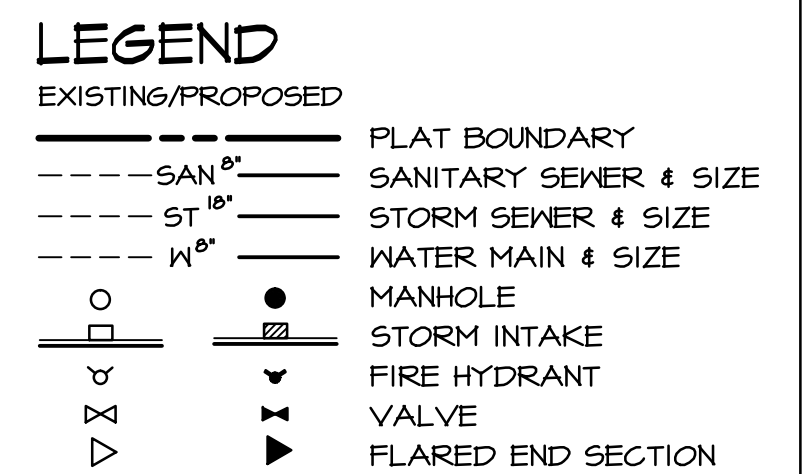
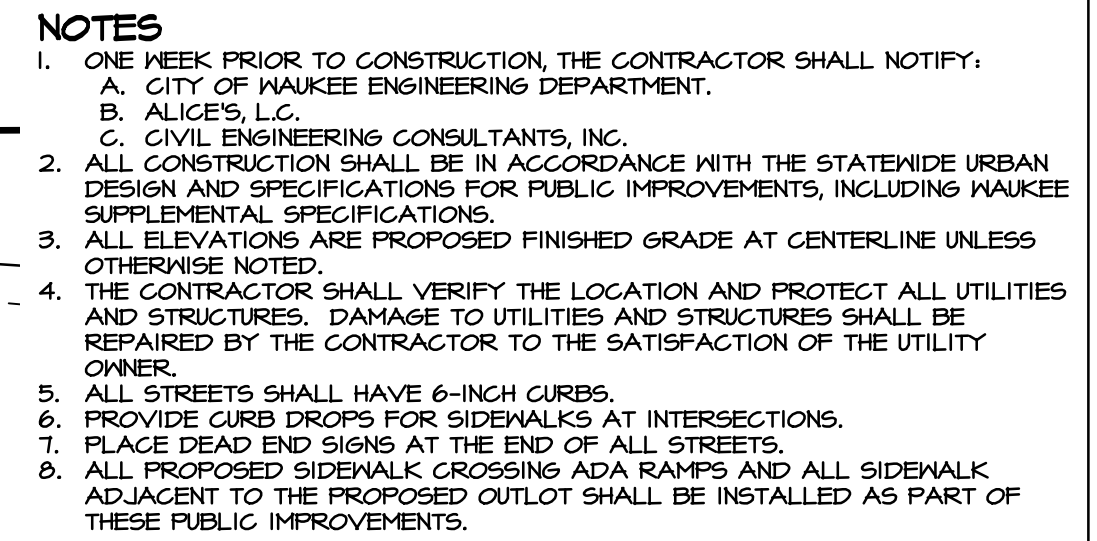


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GRADING PLAN
PRAIRIE CROSSING PLAT 5, WAUKEE, IOWA
ALICE'S L.C., 4949 WESTOWN PARKWAY, SUITE 200, WEST DES MOINES, IOWA 50266

E-1082

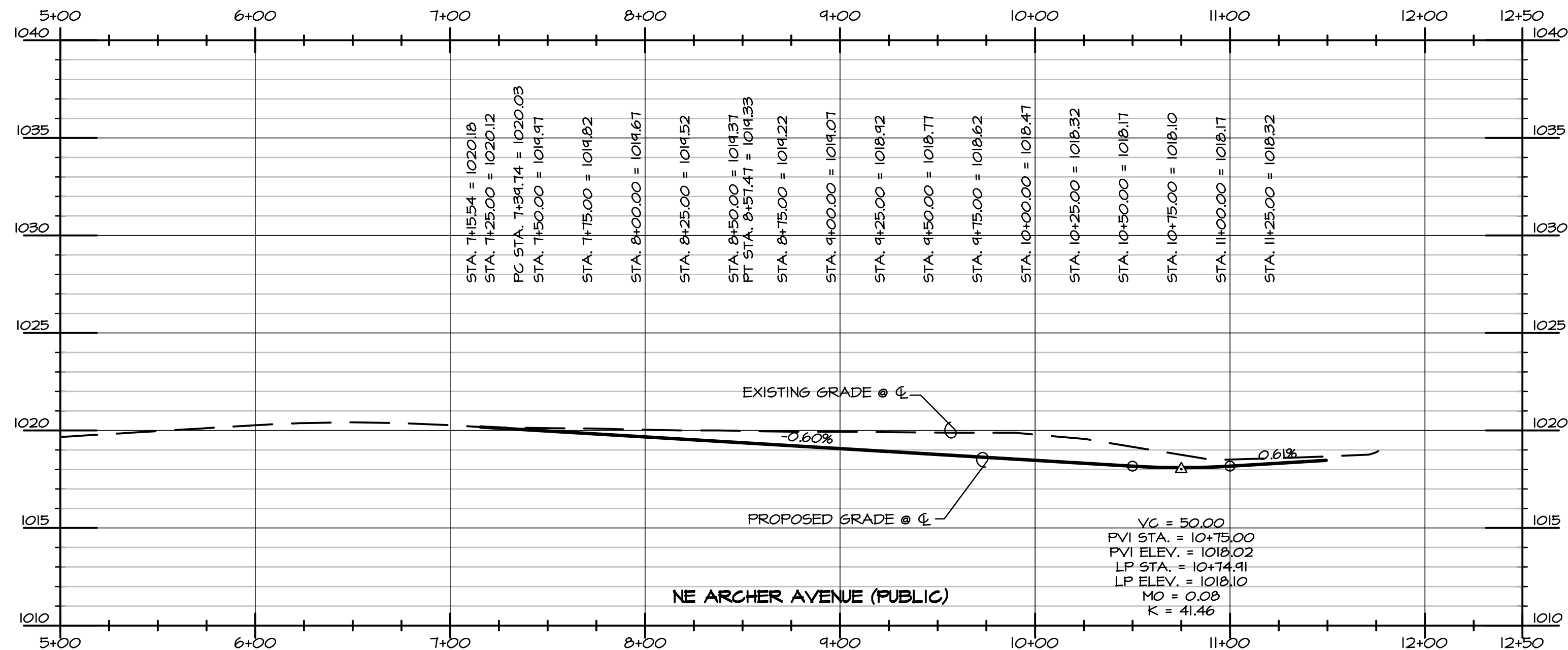
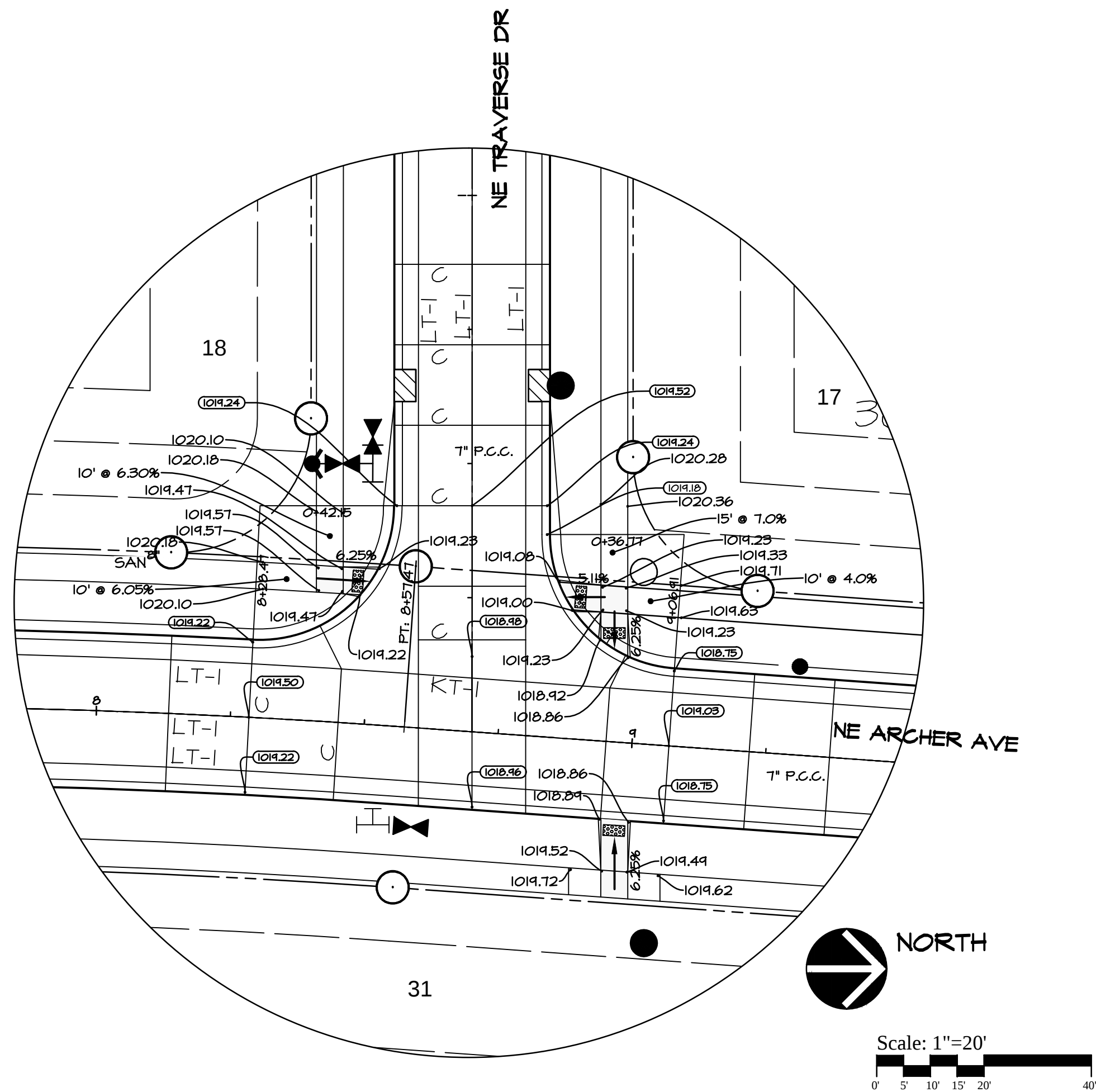
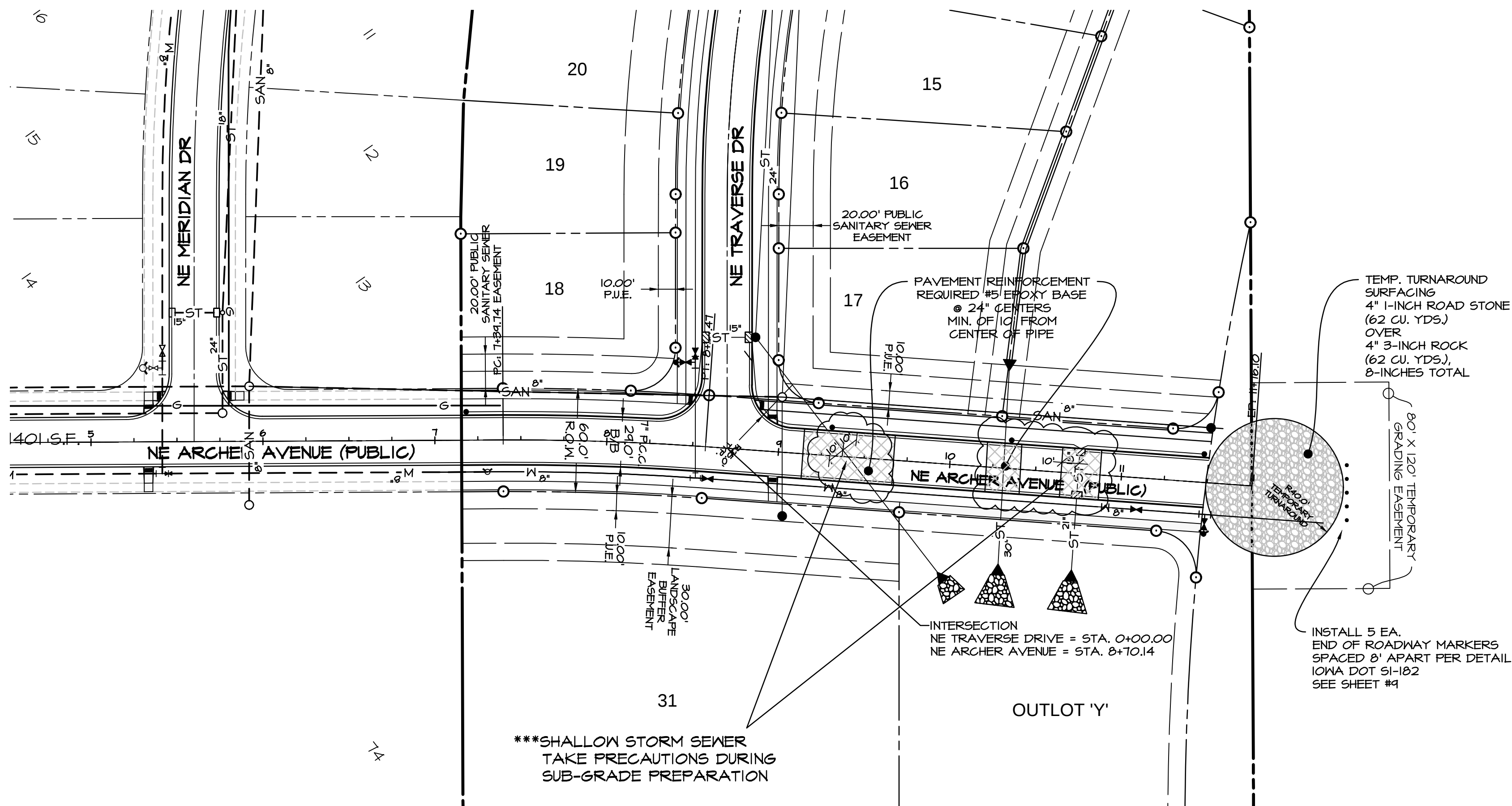


DATE: 12-16-2013
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3-25-2014
4-04-2014
4-08-2014
5-07-2014

SHEET
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OF 15

BENCHMARK
CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.
ELEVATION-----1034.63

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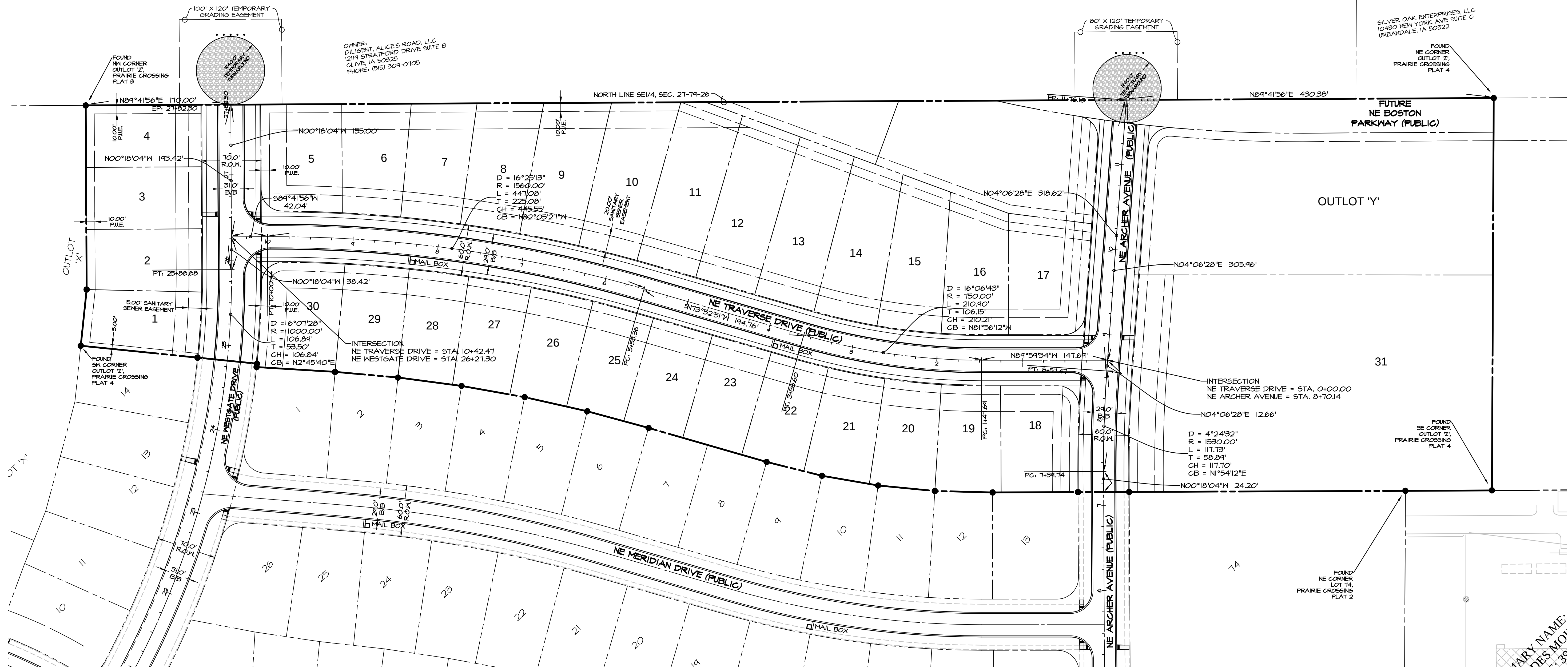
BENCHMARK
CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.
ELEVATION-----1034.63

LEGEND
EXISTING/PROPOSED
--- SAN 8" --- SANITARY SEWER & SIZE
--- ST 18" --- STORM SEWER & SIZE
--- W 8" --- WATER MAIN & SIZE
○ MANHOLE
□ STORM INTAKE
△ FIRE HYDRANT
▽ VALVE
▶ FLARED END SECTION

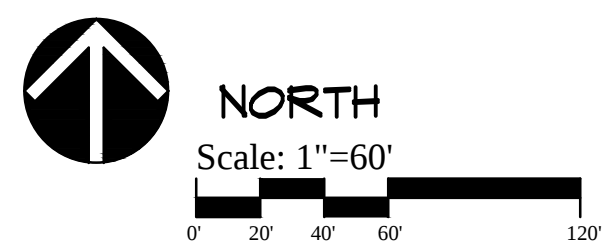
NORTH
Scale: 1"=50'
0' 10' 20' 30' 40' 50' 100'

SCALE
50' 5'
DATE: 12-16-2013
REVISION: 2-12-2014
3-4-2014
3-25-2014
4-04-2014
4-08-2014
5-07-2014
SHEET
13
OF
15

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BENCHMARK
CUT 'X' ON NORTHEAST BOLT ON BASE OF COKE CLOCK
SOUTHEAST CORNER OF HIGHWAY #6 & ALICE'S ROAD.
ELEVATION-----1034.63



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