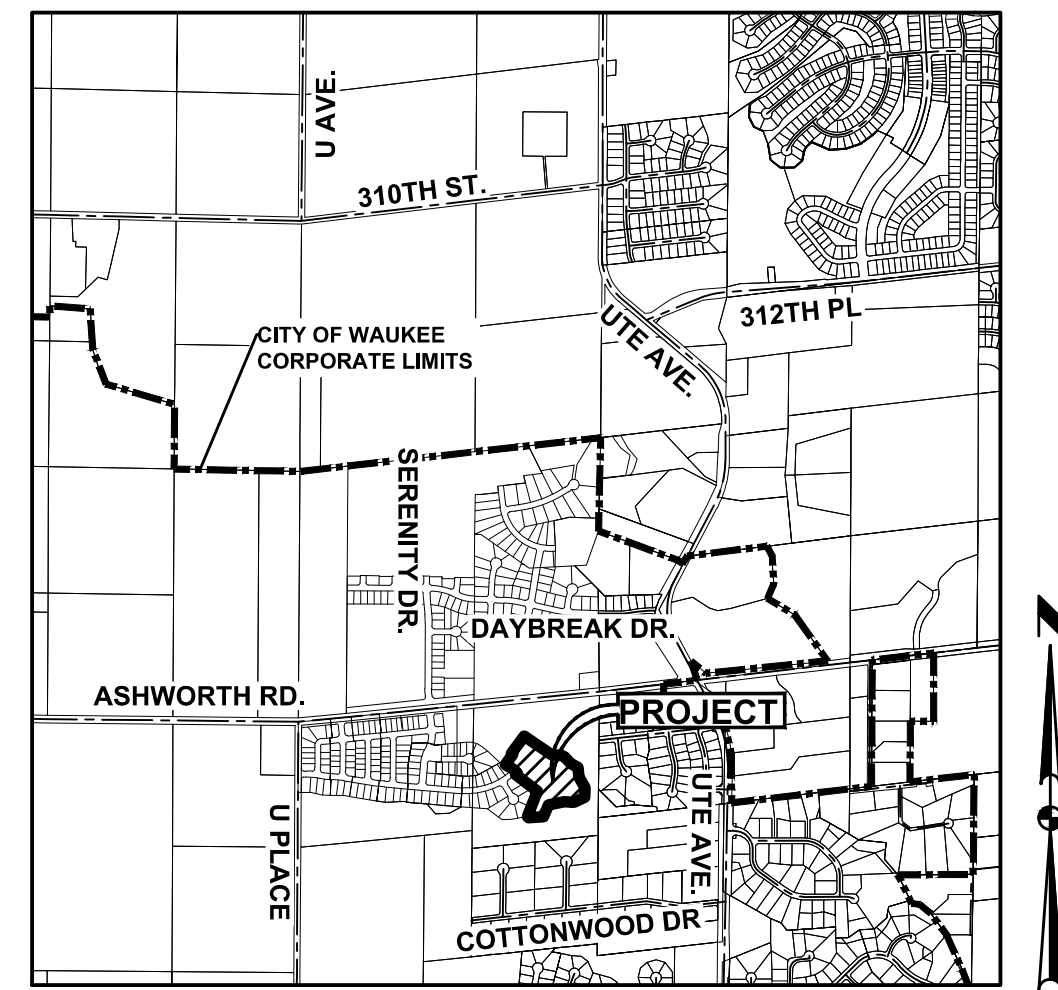


CONSTRUCTION PLANS FOR: HAMILTON RIDGE PLAT 8

WAUKEE, IOWA

VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

DEVELOPER

LANDMARK DEVELOPMENT SERVICES
9550 HICKMAN ROAD, SUITE 100
CLIVE, IOWA 50325
PH: (515) 986-5994
CONTACT: BILL SPENCER

OWNER

HAMILTON RIDGE, LLC
CONTACT: BILL SPENCER
9550 HICKMAN ROAD, SUITE 100
CLIVE, IA 50325
PH: (515) 986-5994

ENGINEER

CIVIL DESIGN ADVANTAGE
4121 NW URBAN DALE DRIVE
URBAN DALE, IOWA 50322
CONTACT: ERIN OLLENDIKE
EMAIL: ERINO@CDA-ENG.COM
PH: (515) 369-4400
FX: (515) 369-4410

SURVEYOR

CIVIL DESIGN ADVANTAGE
4121 NW URBAN DALE DRIVE
URBAN DALE, IOWA 50322
CONTACT: CHARLIE MCGLOTHLEN
EMAIL: CHARLIEM@CDA-ENG.COM
PH: (515) 369-4400
FX: (515) 369-4410

ZONING

R-2: ONE AND TWO-FAMILY
RESIDENTIAL DISTRICT

DATE OF SURVEY:

APRIL 16, 2020

SUBMITTALS

FIRST SUBMITTAL: 10/12/2021
SECOND SUBMITTAL: 11/16/2021
FINAL SUBMITTAL: 12/06/2021
REVISED FINAL SUBMITTAL: 03/03/2022
AS-BUILT SUBMITTAL: 11/01/2022

BULK REGULATIONS

R-2: ONE- AND TWO- FAMILY RESIDENTIAL DISTRICT (LOTS 1-15)

FRONT YARD: 30 FEET
SIDE YARD: A TOTAL OF 15 FEET - ONE SIDE MAY BE REDUCED TO NOT LESS THAN 7 FEET
REAR YARD: 30 FEET

BENCHMARKS

DALLAS COUNTY BM# G121, EAST SIDE OF R16 0.1 MILE SOUTH OF 300TH STREET.
ELEVATION=1032.82

BURY BOLT ON HYDRANT @ NW CORNER OF DAYBREAK DRIVE & CREST RIDGE DRIVE.
ELEVATION=1023.95

CONSTRUCTION SCHEDULE

SPRING 2022 - FALL 2022

DEVELOPMENT SUMMARY

TOTAL AREA OF PLAT 8 = 8.17 ACRES (356,028 SF)

NOTES

- ANY CHANGES PROPOSED TO THE CONSTRUCTION DRAWINGS DURING CONSTRUCTION SHALL BE APPROVED IN WRITING BY THE COMMUNITY DEVELOPMENT DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES MADE DURING CONSTRUCTION THAT HAVE NOT BEEN GRANTED APPROVAL IN WRITING BY THE COMMUNITY DEVELOPMENT DEPARTMENT.
- THE RESULTS OF THE GEOTECHNICAL REPORT ARE TO BE PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT. THE CONSTRUCTION DRAWINGS ARE SUBJECT TO ANY CHANGES REQUIRED BY THE REPORT.

INDEX OF SHEETS

| NO. | DESCRIPTION |
|-------|--|
| 1 | TITLE SHEET |
| 2-3 | TYPICAL SECTIONS AND DETAILS |
| 4 | QUANTITIES, GENERAL NOTES AND BID ITEM REFERENCE NOTES |
| 5 | HYDRANT COVERAGE |
| 6-7 | GRADING PLAN |
| 8-9 | EROSION AND SEDIMENT CONTROL PLAN |
| 10-11 | STORM & SANITARY SEWER PLAN AND PROFILE |
| 12-13 | WATER MAIN PLAN AND PROFILE |
| 14-15 | INTERSECTION DETAILS |

AS-BUILT DRAWINGS

AS-BUILT PLANS ARE BASED ON SURVEYED INVERT ELEVATIONS AND INFORMATION SUPPLIED BY THE CONTRACTOR. CIVIL DESIGN ADVANTAGE TAKES NO RESPONSIBILITY FOR UNAUTHORIZED CHANGES TO THE PLANS WITHOUT CITY/OWNER KNOWLEDGE. FIELD VERIFICATION OF UTILITIES OR OTHER PLAN ELEMENTS IS ALWAYS RECOMMENDED.

LEGAL DESCRIPTION

A PART OF OUTLOT 'Z', HERTZ FARM PLAT 1, AN OFFICIAL PLAT IN THE CITY OF WAUKEE, DALLAS COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID OUTLOT 'Z'; THENCE NORTH 88°53'13" WEST ALONG THE NORTHERLY LINE OF SAID OUTLOT 'Z', 183.02 FEET; THENCE NORTH 61°57'18" WEST CONTINUING ALONG SAID NORTHERLY LINE, 67.20 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 06°04'46" EAST, 99.96 FEET; THENCE SOUTH 29°46'26" EAST, 123.86 FEET; THENCE SOUTH 02°34'41" WEST, 99.56 FEET; THENCE SOUTH 63°41'09" WEST, 122.50 FEET; THENCE NORTH 85°21'26" WEST, 99.83 FEET; THENCE SOUTH 78°21'25" WEST, 165.54 FEET; THENCE SOUTH 24°21'10" WEST, 161.21 FEET; THENCE SOUTH 87°36'15" WEST, 126.04 FEET; THENCE NORTH 39°34'12" WEST, 41.42 FEET; THENCE NORTH 21°16'43" EAST, 280.80 FEET; THENCE NORTH 52°35'53" WEST, 281.95 FEET; THENCE NORTHEASTERLY ALONG A CURVE CONCAVE NORTHWESTERLY WHOSE RADIUS IS 730.00 FEET, WHOSE ARC LENGTH IS 20.54 FEET AND WHOSE CHORD BEARS NORTH 45°37'14" EAST, 20.54 FEET; THENCE NORTH 44°24'32" WEST, 60.00 FEET; THENCE NORTH 59°34'04" WEST, 92.81 FEET; THENCE NORTH 36°28'53" EAST, 130.00 FEET; THENCE NORTH 53°31'07" WEST, 17.92 FEET; THENCE NORTH 36°28'53" EAST, 60.00 FEET; THENCE NORTH 36°28'53" EAST, 161.87 FEET TO THE NORTHERLY LINE OF SAID OUTLOT 'Z'; THENCE SOUTH 55°59'24" EAST ALONG SAID NORTHERLY LINE, 339.71 FEET; THENCE SOUTH 84°47'11" EAST CONTINUING ALONG SAID NORTHERLY LINE, 104.78 FEET; THENCE SOUTH 65°40'59" EAST CONTINUING ALONG SAID NORTHERLY LINE, 35.45 FEET; THENCE SOUTH 42°22'49" EAST CONTINUING ALONG SAID NORTHERLY LINE, 95.77 FEET; THENCE SOUTH 61°57'18" EAST CONTINUING ALONG SAID NORTHERLY LINE, 84.33 FEET TO THE POINT OF BEGINNING AND CONTAINING 8.17 ACRES (356,028 SQUARE FEET).

THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORDS OBTAINED BY THIS SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.

GENERAL LEGEND

PROPOSED

| | |
|------------------------------------|-----------|
| SECTION LINE | --- |
| CENTER LINE | --- |
| RIGHT OF WAY | ---R/W--- |
| PERMANENT EASEMENT | ---P/E--- |
| TEMPORARY EASEMENT | ---T/E--- |
| TYPE SW-501 STORM INTAKE | |
| TYPE SW-503 STORM INTAKE | |
| TYPE SW-505 STORM INTAKE | |
| TYPE SW-506 STORM INTAKE | |
| TYPE SW-513 STORM INTAKE | |
| TYPE SW-401 STORM MANHOLE | |
| TYPE SW-402 STORM MANHOLE | |
| TYPE SW-301 SANITARY MANHOLE | |
| STORM/SANITARY CLEANOUT | |
| WATER VALVE | |
| FIRE HYDRANT ASSEMBLY | |
| SIGN | |
| DETECTABLE WARNING PANEL | |
| WATER CURB STOP | |
| STORM SEWER STRUCTURE NO. | |
| STORM SEWER PIPE NO. | |
| SANITARY SEWER STRUCTURE NO. | |
| SANITARY SEWER PIPE NO. | |
| SANITARY SEWER WITH SIZE | |
| SANITARY SERVICE | |
| STORM SEWER | |
| STORM SERVICE | |
| WATERMAIN WITH SIZE | |
| WATER SERVICE | |
| SAWCUT (FULL DEPTH) | |
| SILT FENCE | |
| USE AS CONSTRUCTED | (UAC) |
| TOP OF PROPOSED GROUND | TG |
| MINIMUM OPENING ELEVATION | MOE |
| MINIMUM GRADE AT EXPOSED STRUCTURE | MGS |

EXISTING

| | |
|---------------------------|--|
| SANITARY MANHOLE | |
| WATER VALVE BOX | |
| FIRE HYDRANT | |
| WATER CURB STOP | |
| WELL | |
| STORM SEWER MANHOLE | |
| STORM SEWER SINGLE INTAKE | |
| STORM SEWER DOUBLE INTAKE | |
| FLARED END SECTION | |
| DECIDUOUS TREE | |
| CONIFEROUS TREE | |
| DECIDUOUS SHRUB | |
| CONIFEROUS SHRUB | |
| ELECTRIC POWER POLE | |
| GUY ANCHOR | |
| STREET LIGHT | |
| POWER POLE W/ TRANSFORMER | |
| UTILITY POLE W/ LIGHT | |
| ELECTRIC BOX | |
| ELECTRIC TRANSFORMER | |
| ELECTRIC MANHOLE OR VAULT | |
| TRAFFIC SIGN | |
| TELEPHONE JUNCTION BOX | |
| TELEPHONE MANHOLE/VAULT | |
| TELEPHONE POLE | |
| GAS VALVE BOX | |
| CABLE TV JUNCTION BOX | |
| CABLE TV MANHOLE/VAULT | |
| MAIL BOX | |
| BENCHMARK | |
| SOIL BORING | |
| UNDERGROUND TV CABLE | |
| GAS MAIN | |
| FIBER OPTIC | |
| UNDERGROUND TELEPHONE | |
| OVERHEAD ELECTRIC | |
| UNDERGROUND ELECTRIC | |
| FIELD TILE | |
| SANITARY SEWER W/ SIZE | |
| STORM SEWER W/ SIZE | |
| WATER MAIN W/ SIZE | |

ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND THE SOILS REPORT PREPARED BY CONSTRUCTION MATERIALS TESTING (CMT).

THIS PROJECT REQUIRES AN IOWA NPDES PERMIT #2. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THROUGHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL REQUIREMENTS.

THIS DESIGN SPECIFICALLY PREPARED FOR USE AT THE LOCATION SHOWN. USE IN ANY OTHER MANNER EXCEEDS THE INTENDED PURPOSE OF THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS.

THE 2020 EDITION OF THE CITY OF WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND THE 2021 EDITION OF SUDAS STANDARD SPECIFICATIONS SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.

CIVIL DESIGN ADVANTAGE
4121 NW URBAN DALE DRIVE URBAN DALE, IOWA 50322
PH: (515) 369-4400 Fax: (515) 369-4410
PROJECT NO. 2109.723

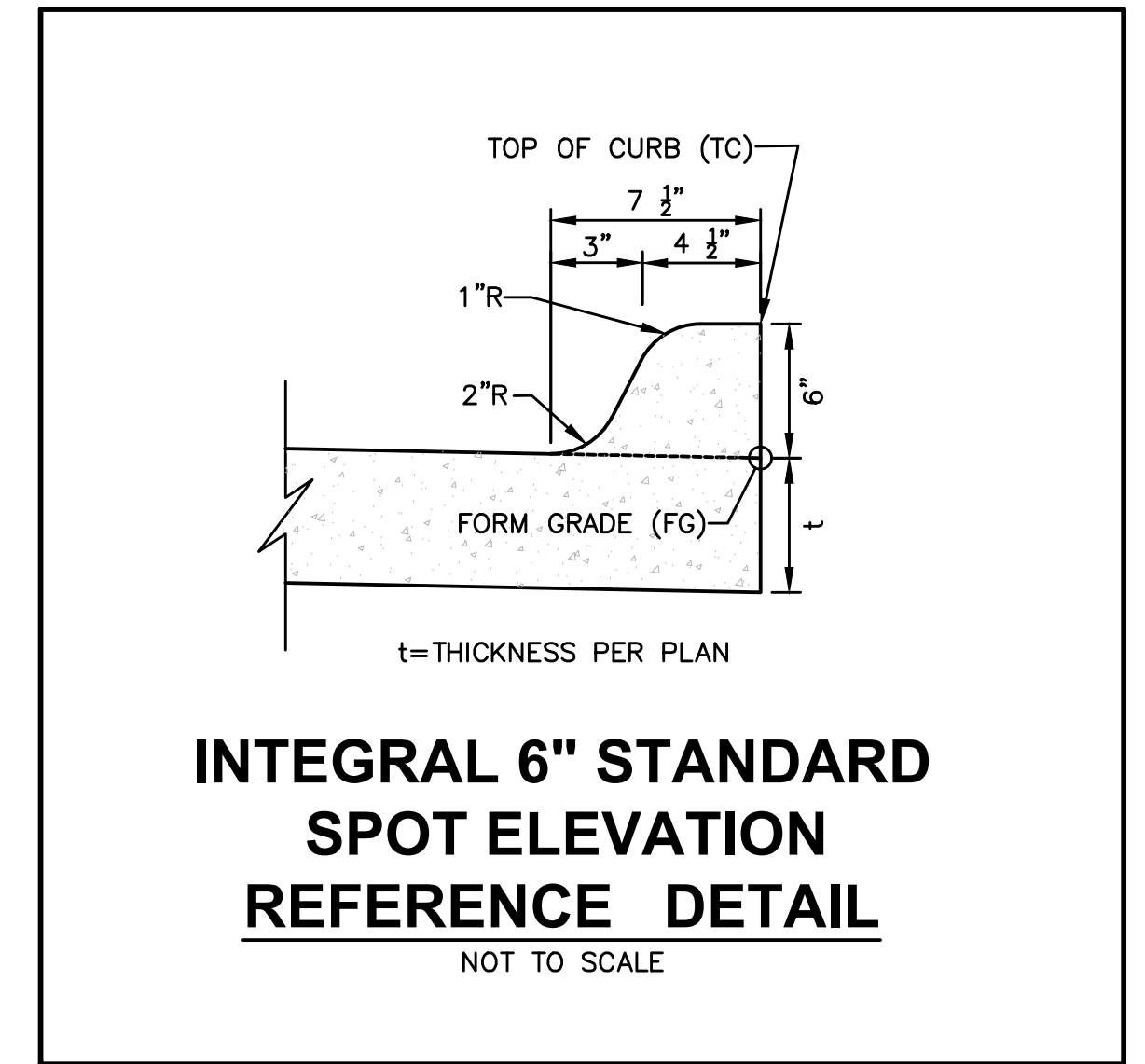
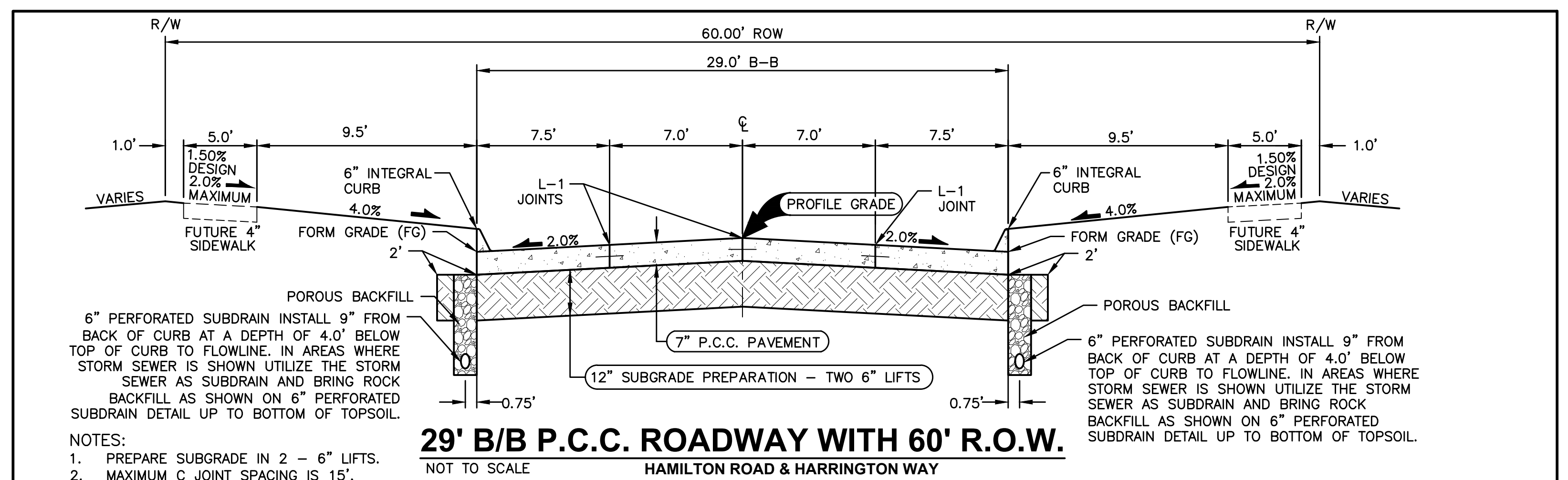
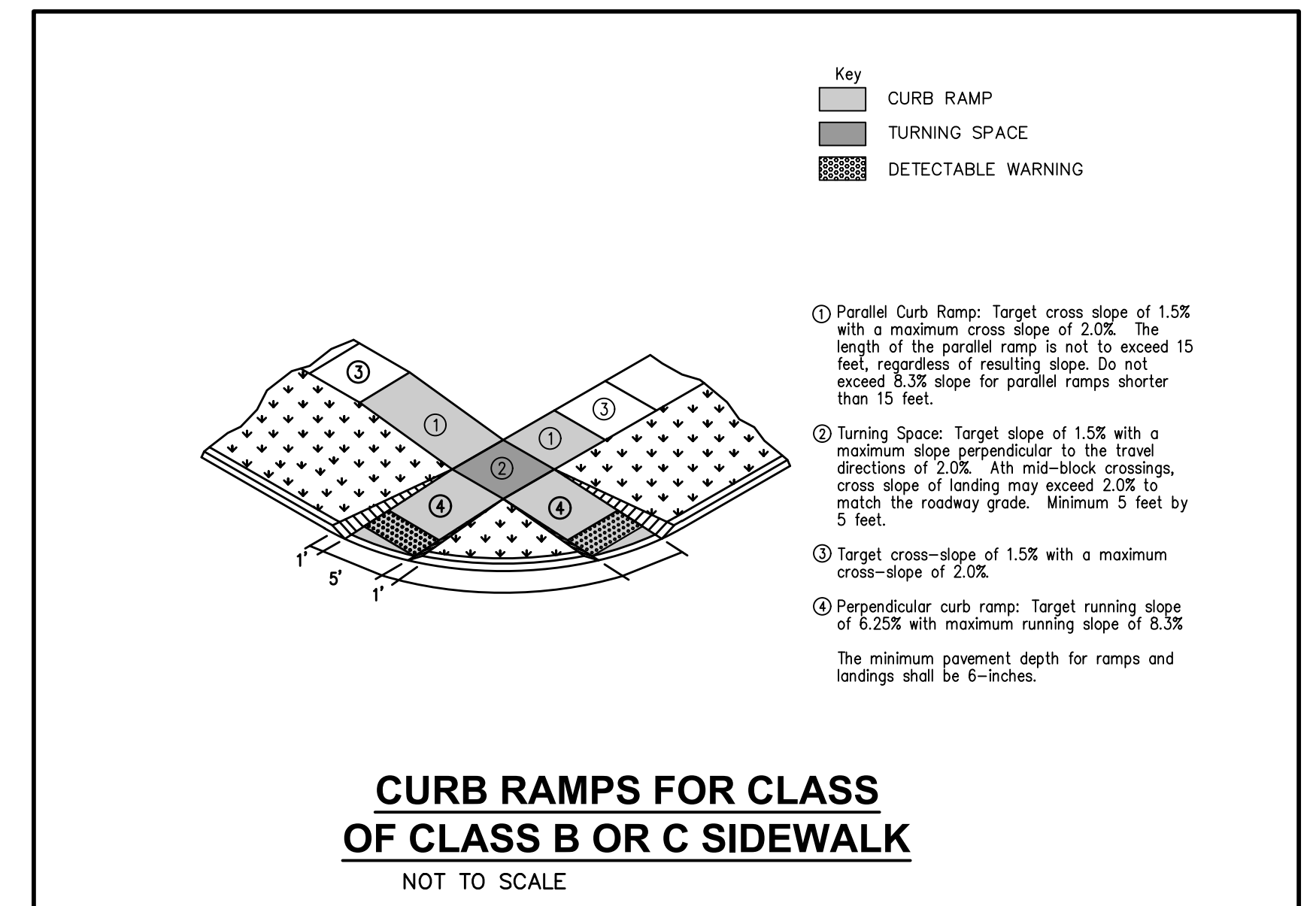
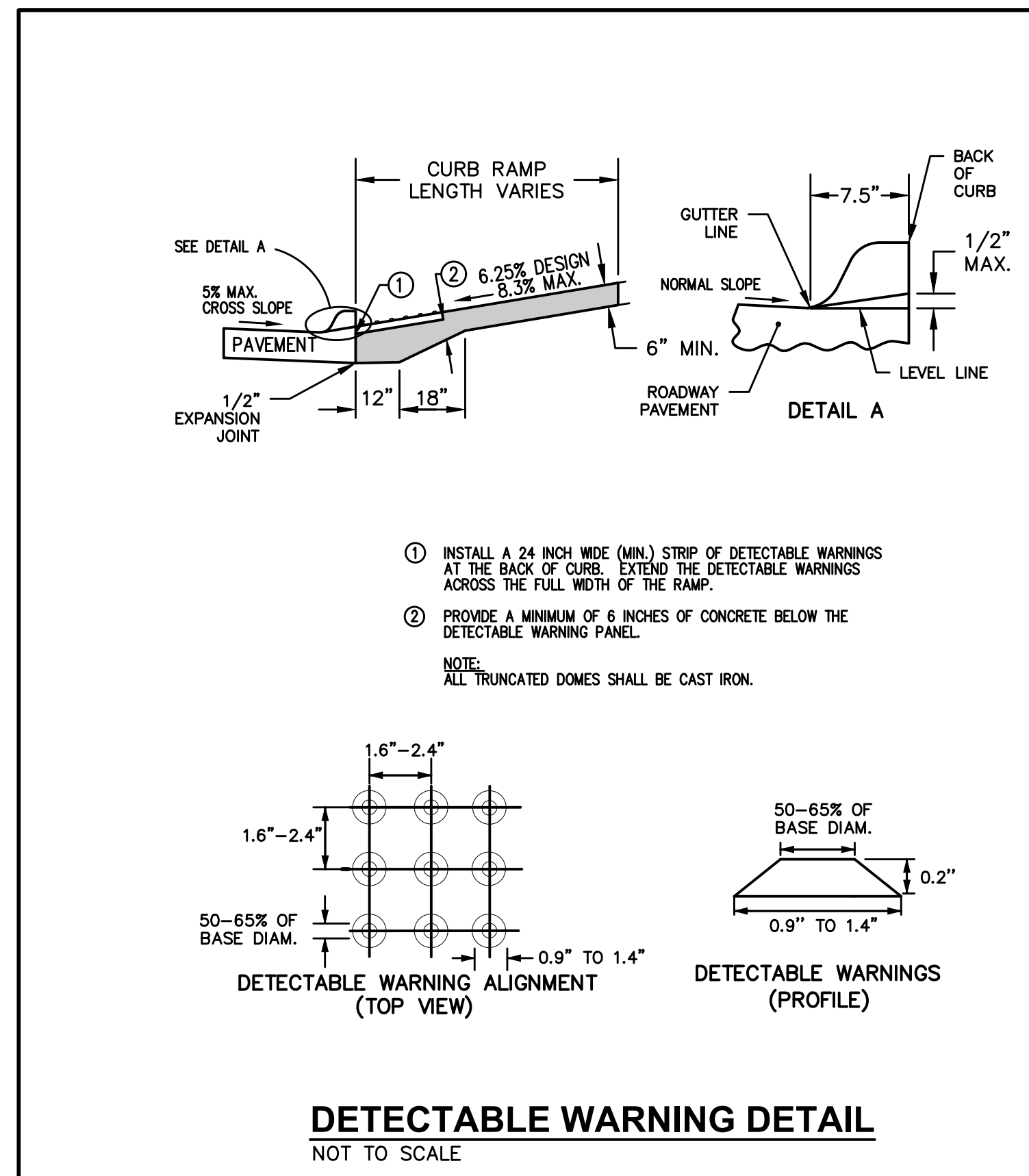
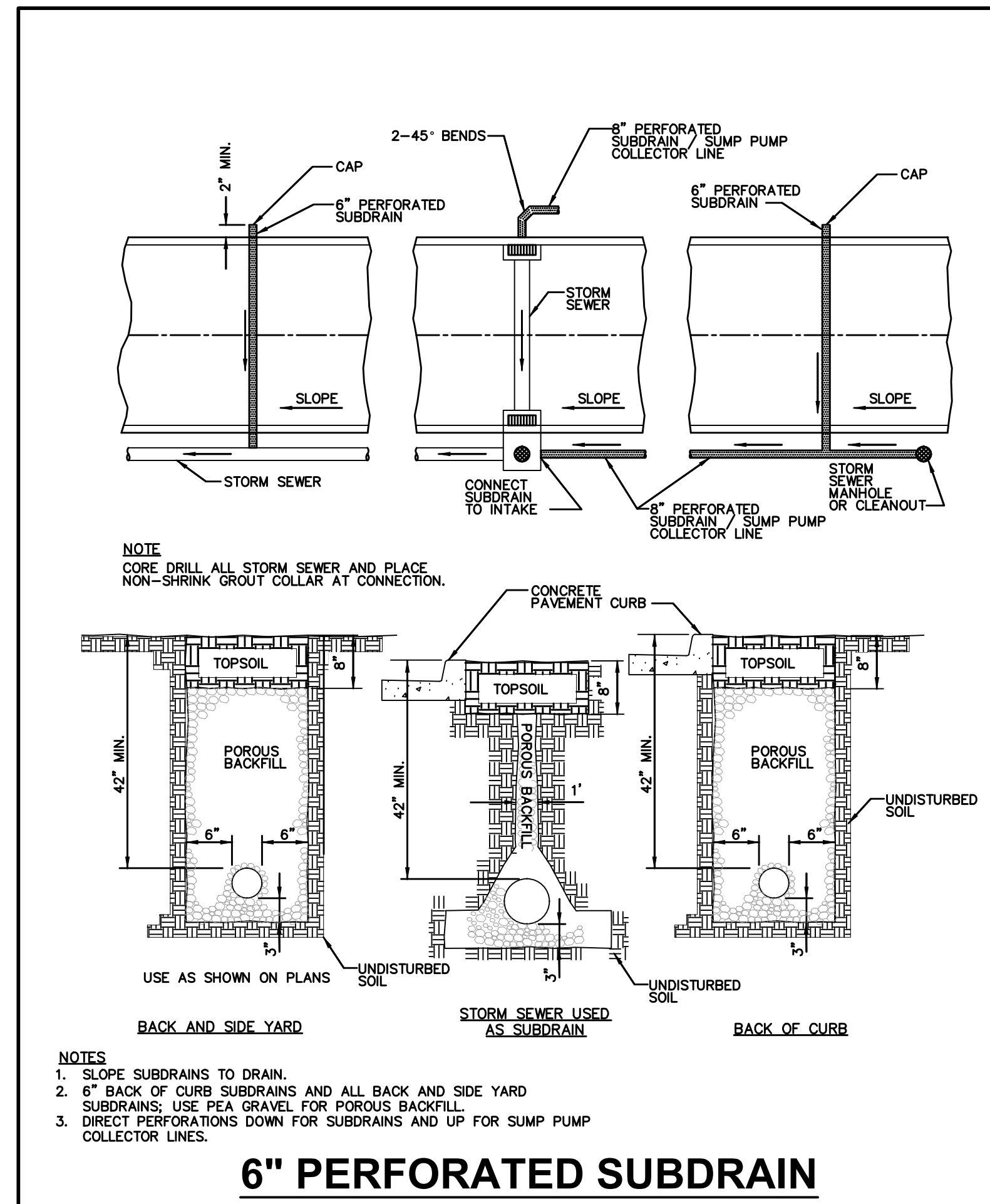
IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Erin K. Ollendike 12/30/2022
ERIN K. OLLENDIKE, P.E. DATE

LICENSE NUMBER 16926
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
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ALL SHEETS

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 PLOTTED BY: MATTHEW THOMPSON
 DESIGNED BY: ENGS



| DATE | REVISIONS |
|------------|-------------------------|
| 11/01/2022 | AS-BUILT SUBMITTAL |
| 03/03/2022 | REVISED FINAL SUBMITTAL |
| 12/06/2021 | FINAL SUBMITTAL |
| 11/16/2021 | SECOND SUBMITTAL |
| 10/12/2021 | FIRST SUBMITTAL |

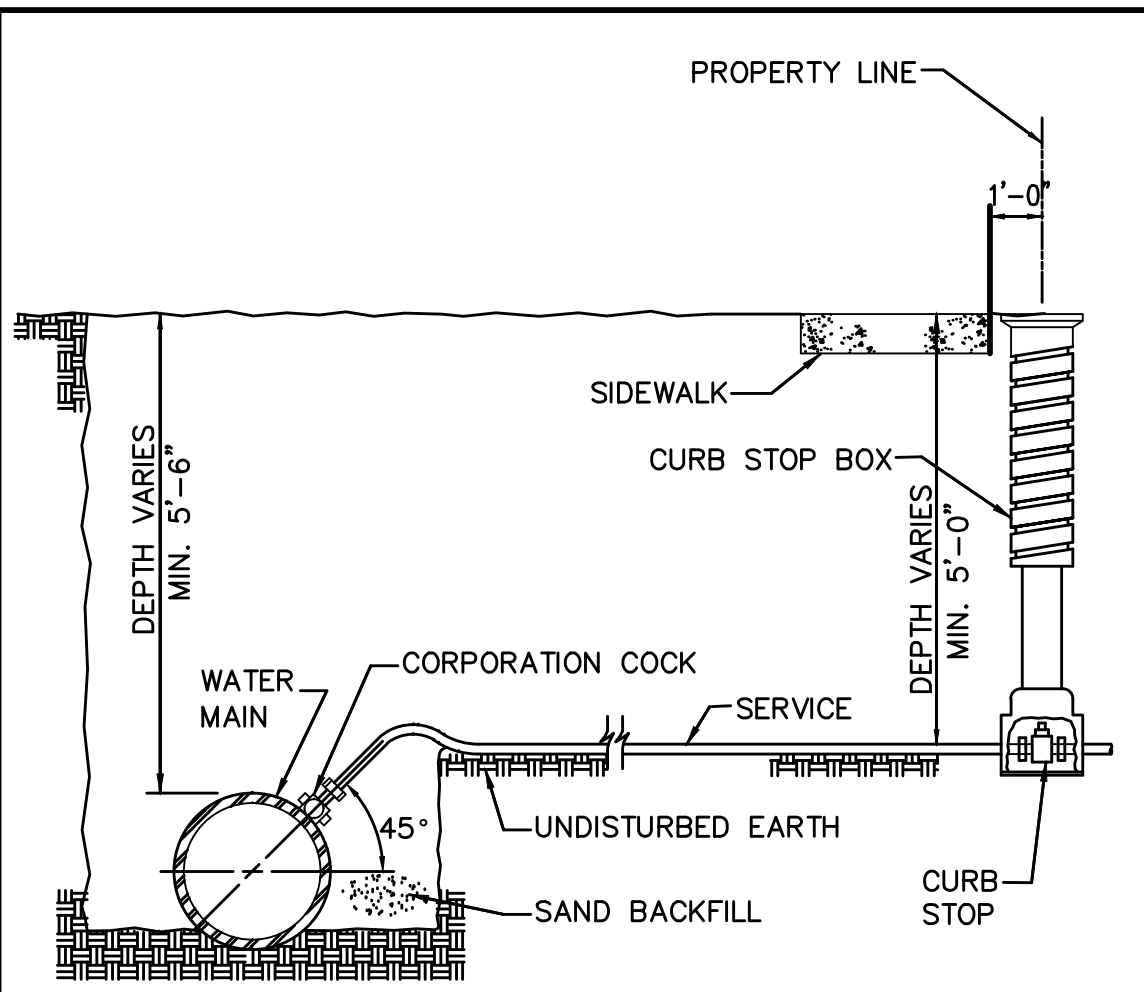
4121 NW URBANDALE DRIVE
 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400



CIVIL DESIGN ADVANTAGE
 WAUKEE, IOWA

HAMILTON RIDGE PLAT 8
 TYPICAL SECTIONS AND DETAILS

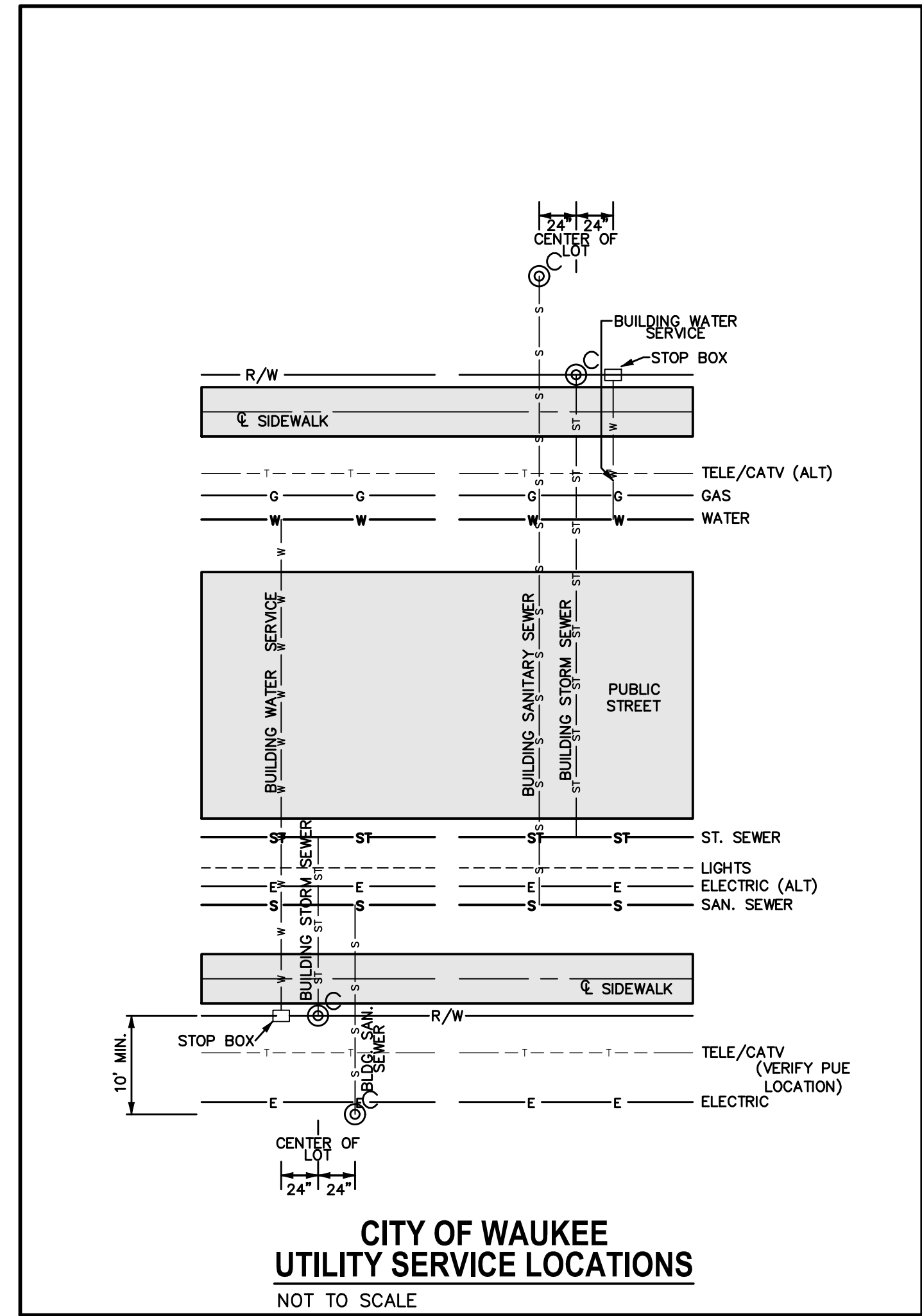
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 PLOTTED BY: MATTHEW THOMPSON
 DATE PLOTTED: 11/17/2022 2:47 PM



- NOTES:
1. TERMINATE CURB STOP BOX ROD 1'-6" BELOW FINISHED GRADE.

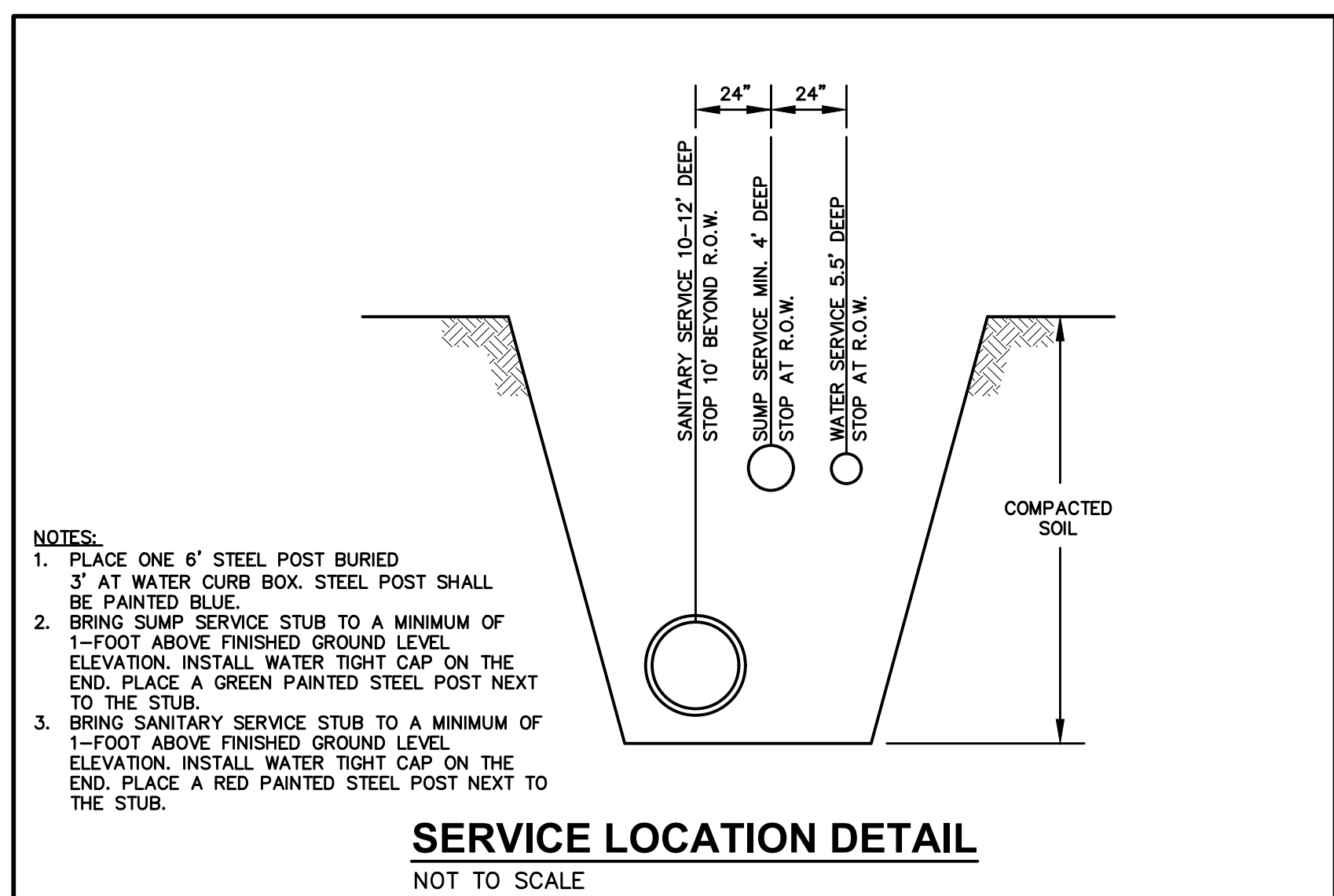
WATER SERVICE CONNECTION

NOT TO SCALE



**CITY OF WAUKEET
 UTILITY SERVICE LOCATIONS**

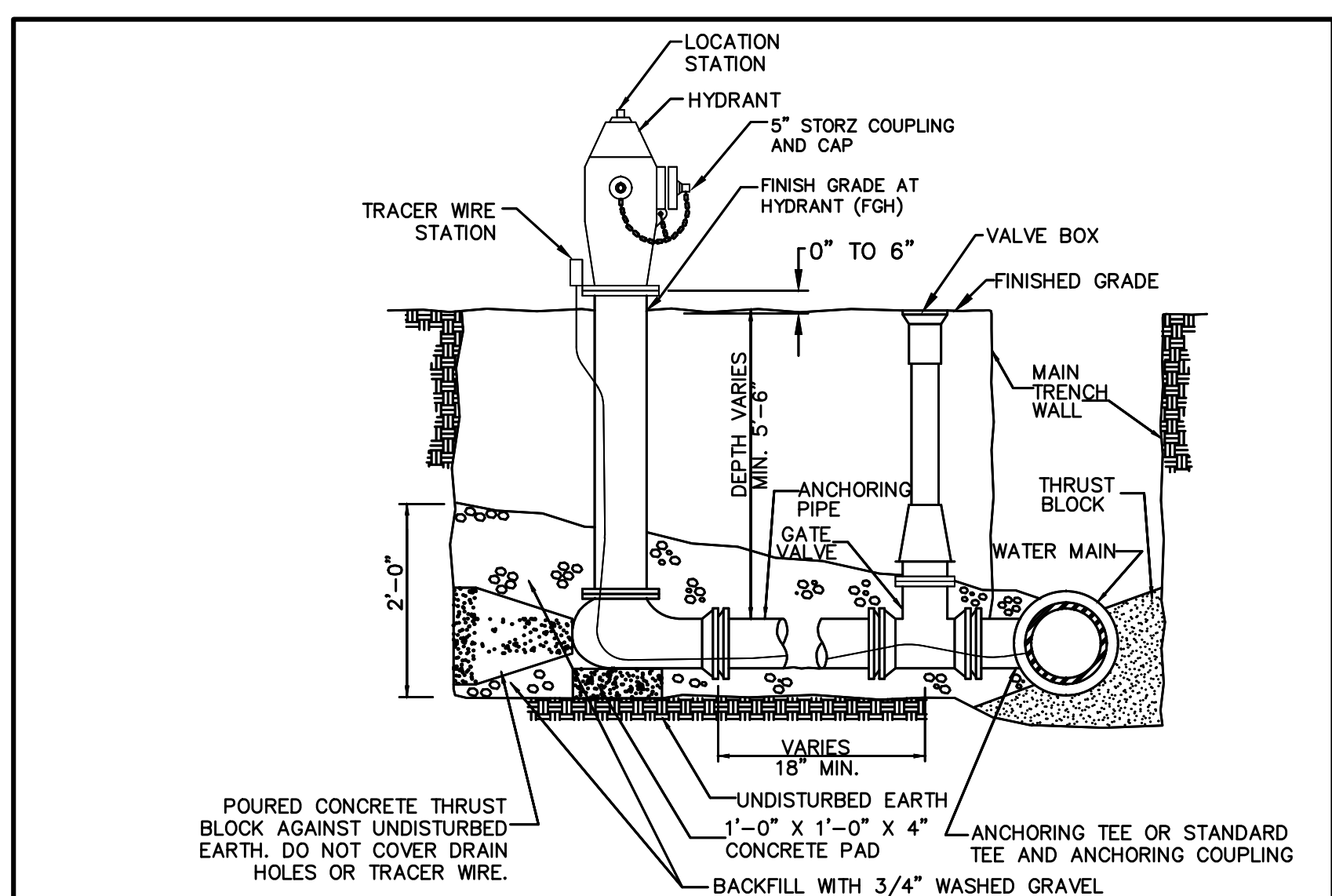
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- NOTES:
1. PLACE ONE 6" STEEL POST BURIED 3' AT WATER CURB BOX. STEEL POST SHALL BE PAINTED BLUE.
 2. BRING SUMP SERVICE STUB TO A MINIMUM OF 1-FOOT ABOVE FINISHED GROUND LEVEL ELEVATION. INSTALL WATER TIGHT CAP ON THE END. PLACE A GREEN PAINTED STEEL POST NEXT TO THE STUB.
 3. BRING SANITARY SERVICE STUB TO A MINIMUM OF 1-FOOT ABOVE FINISHED GROUND LEVEL ELEVATION. INSTALL WATER TIGHT CAP ON THE END. PLACE A RED PAINTED STEEL POST NEXT TO THE STUB.

SERVICE LOCATION DETAIL

NOT TO SCALE

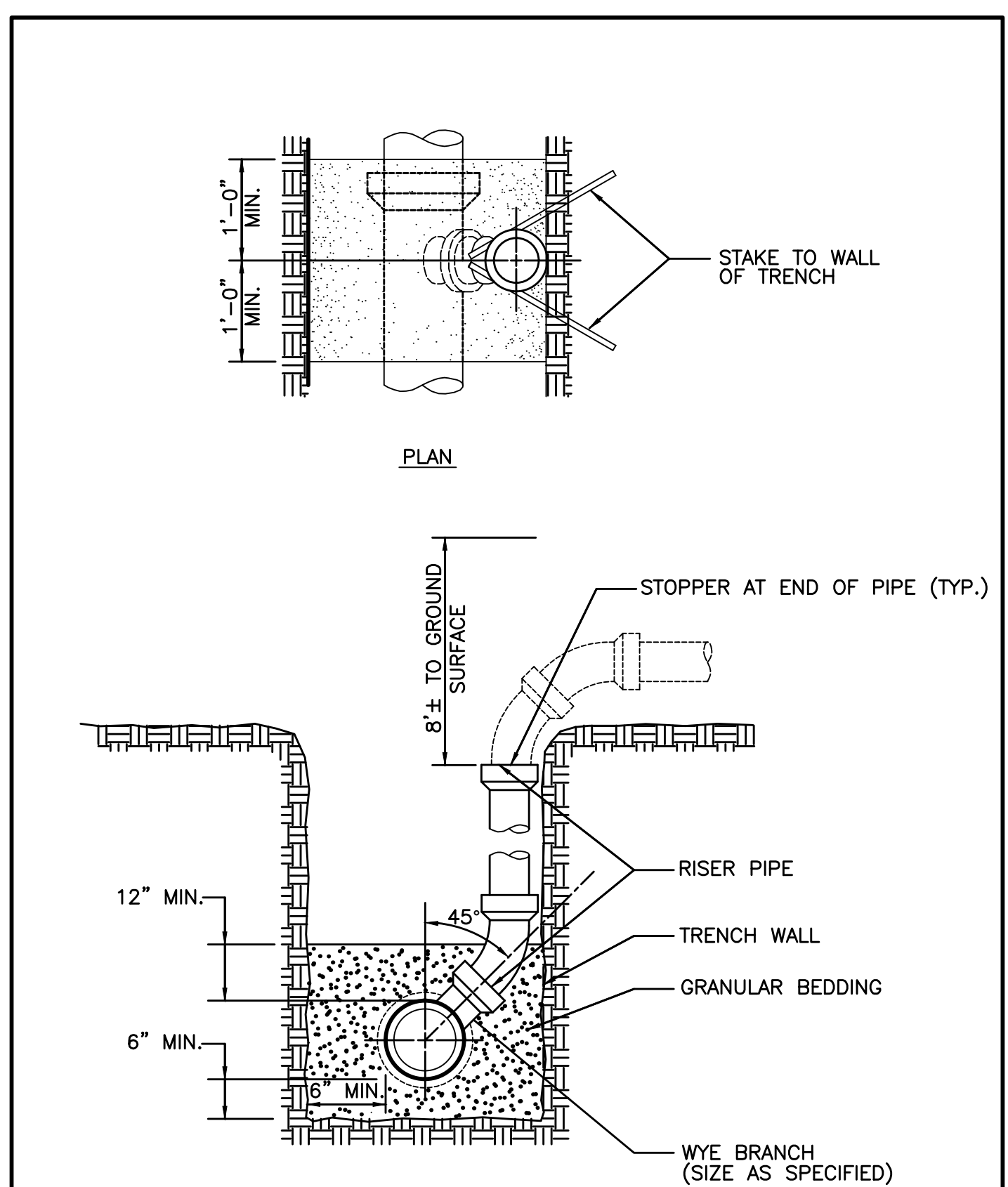


- POURED CONCRETE THRUST BLOCK AGAINST UNDISTURBED EARTH. DO NOT COVER DRAIN HOLES OR TRACER WIRE.

- NOTES:
1. MINIMUM SIZE FOR PIPING, VALVES AND FITTINGS FROM WATER MAIN TO HYDRANT INLET: 6"
 2. PROVIDE TRACER WIRE AND TRACER WIRE STATION.
 3. WRAP HYDRANT, PIPE AND FITTINGS WITH POLYETHYLENE ENCASEMENT.

HYDRANT ASSEMBLY DETAIL

NOT TO SCALE



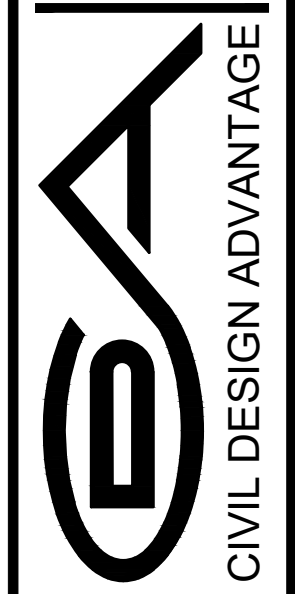
- NOTES:
1. INSTALL RISER TO BEAR FIRMLY AGAINST UNDISTURBED WALL OF TRENCH. STAKE RISER PIPE IN PLACE PRIOR TO BACK-FILLING TO PREVENT MOVEMENT OF PIPE.
 2. NOTCH WALL OF TRENCH TO RECEIVE PIPE WHERE POSSIBLE.

SANITARY SEWER SERVICE RISER

NOT TO SCALE

| REVISIONS | DATE |
|-------------------------|------------|
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4121 NW URBANDALE DRIVE
 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400

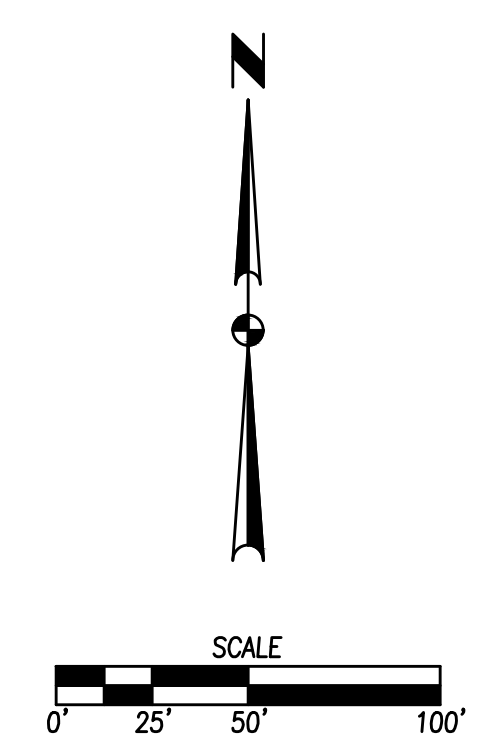
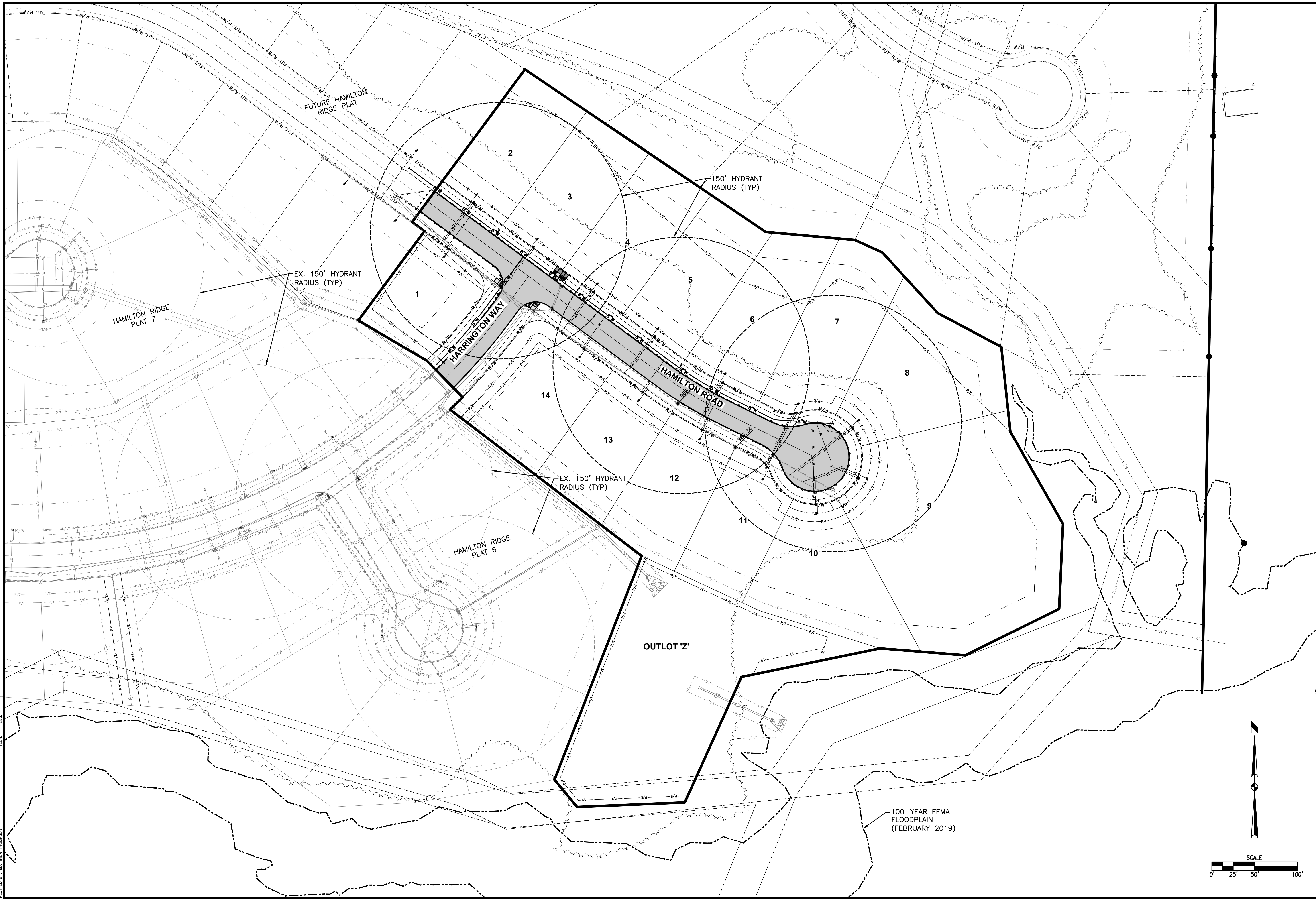


CIVIL DESIGN ADVANTAGE
 WAUKEET, IOWA

**HAMILTON RIDGE PLAT 8
 TYPICAL SECTIONS AND DETAILS**

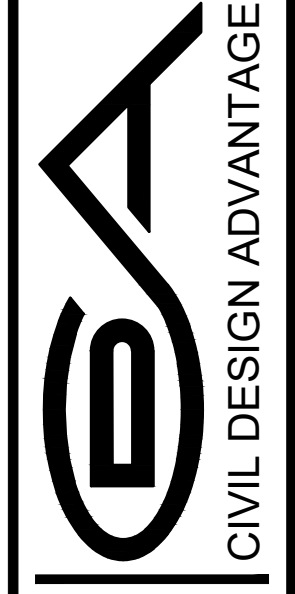
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 EI: GH/JWM

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PLOT BY: MATTHEW THOMPSON
COMMENT: ENCL



| REVISIONS | DATE |
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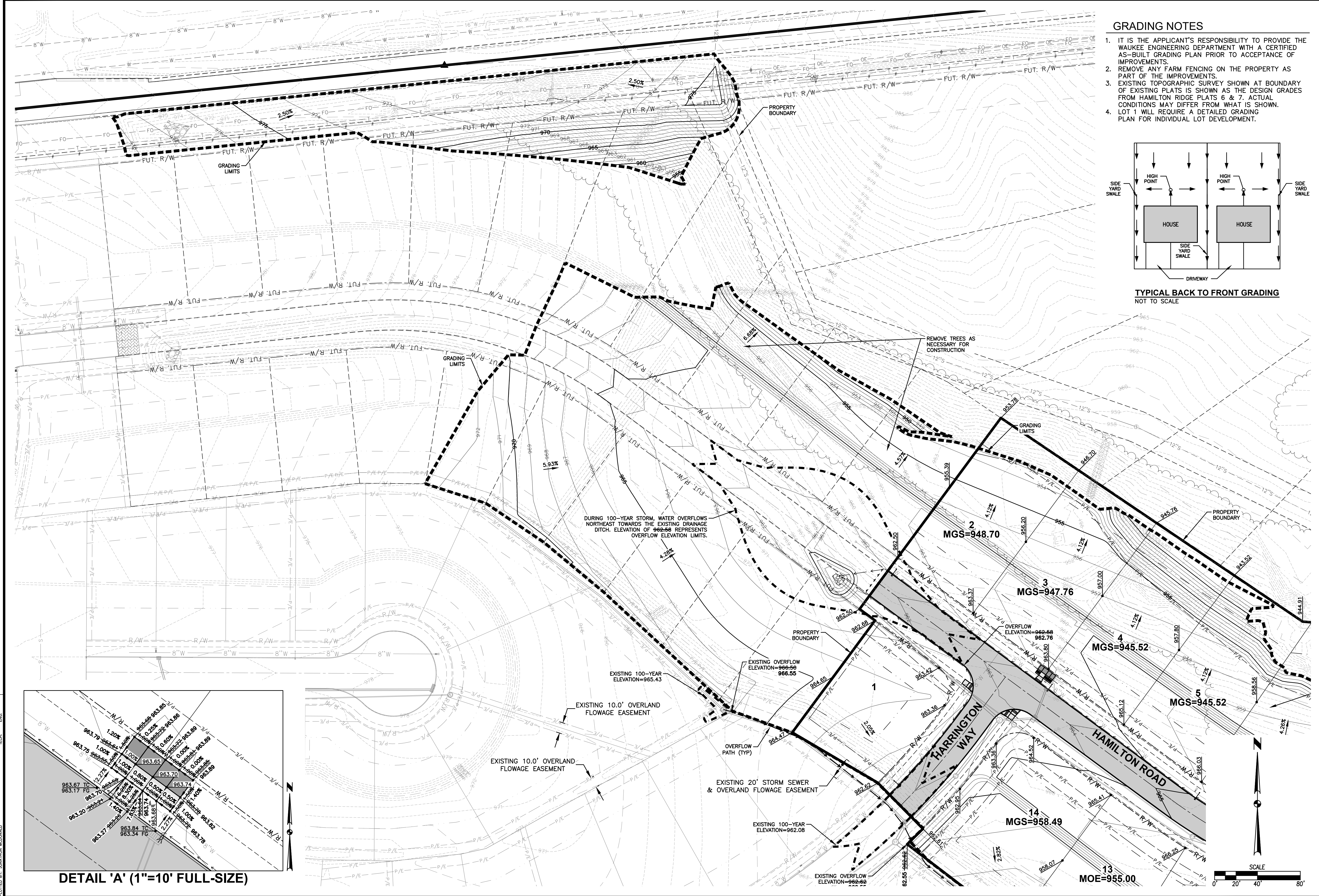
4121 NW URBANDALE DRIVE
URBANDALE, IOWA 50322
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ENGINEER: EKO
EI: GH/JWM



WAUKEE, IOWA

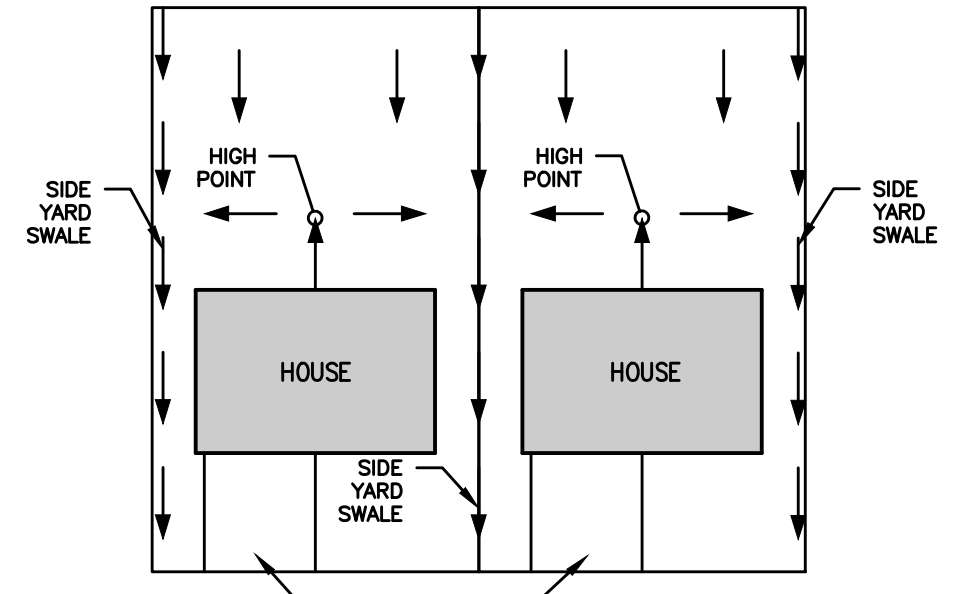
HAMILTON RIDGE PLAT 8

HYDRANT COVERAGE PLAN

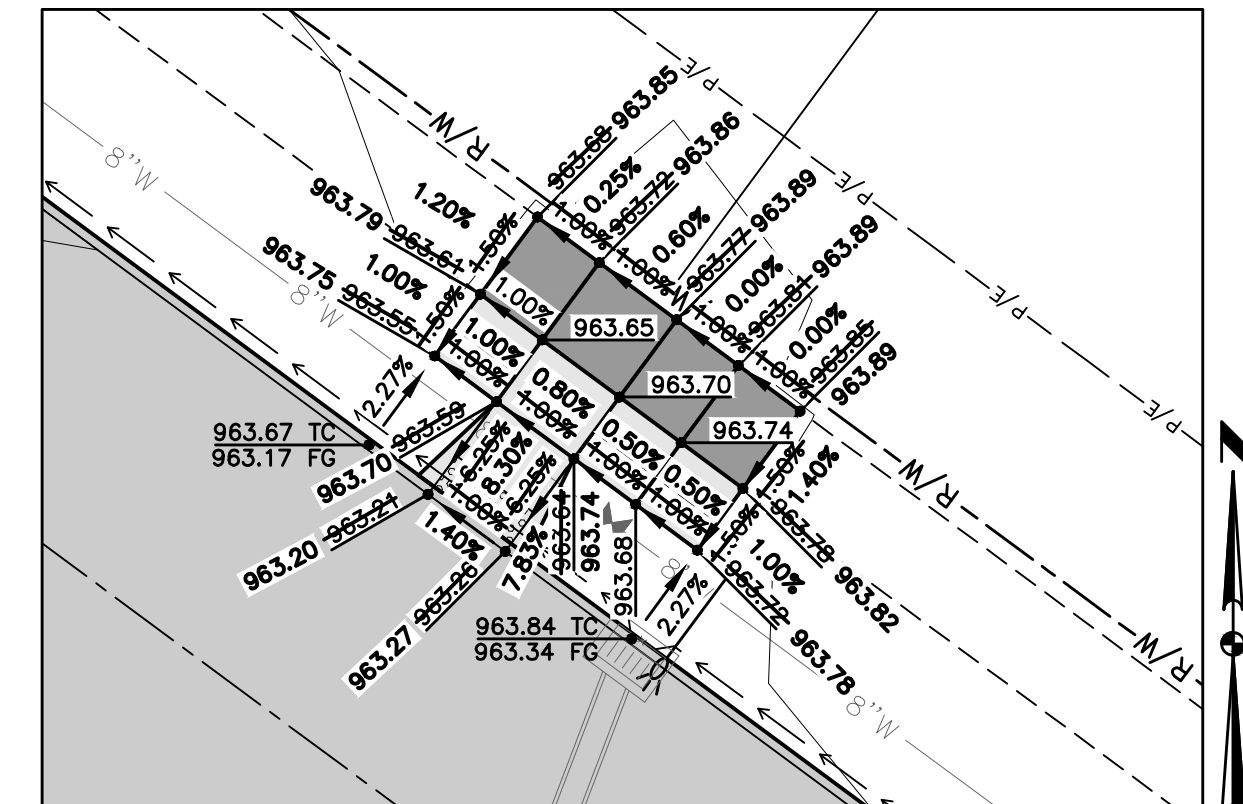


GRADING NOTES

1. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE THE WAUKEE ENGINEERING DEPARTMENT WITH A CERTIFIED AS-BUILT GRADING PLAN PRIOR TO ACCEPTANCE OF IMPROVEMENTS.
2. REMOVE ANY FARM FENCING ON THE PROPERTY AS PART OF THE IMPROVEMENTS.
3. EXISTING TOPOGRAPHIC SURVEY SHOWN AT BOUNDARY OF EXISTING PLATS IS SHOWN AS THE DESIGN GRADES FROM HAMILTON RIDGE PLATS 6 & 7. ACTUAL CONDITIONS MAY DIFFER FROM WHAT IS SHOWN. LOT 1 WILL REQUIRE A DETAILED GRADING PLAN FOR INDIVIDUAL LOT DEVELOPMENT.



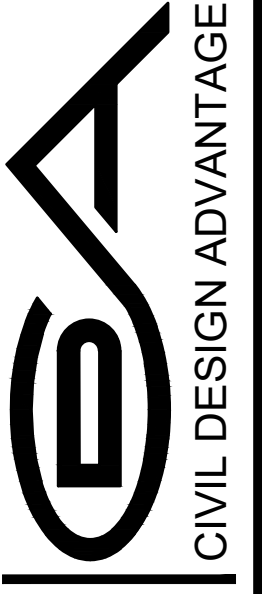
TYPICAL BACK TO FRONT GRADING
NOT TO SCALE



DETAIL 'A' (1"=10' FULL-SIZE)

| DATE | REVISIONS |
|------------|-------------------------|
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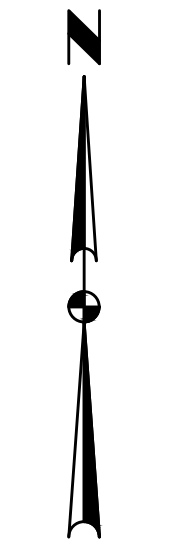
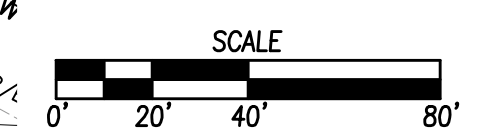
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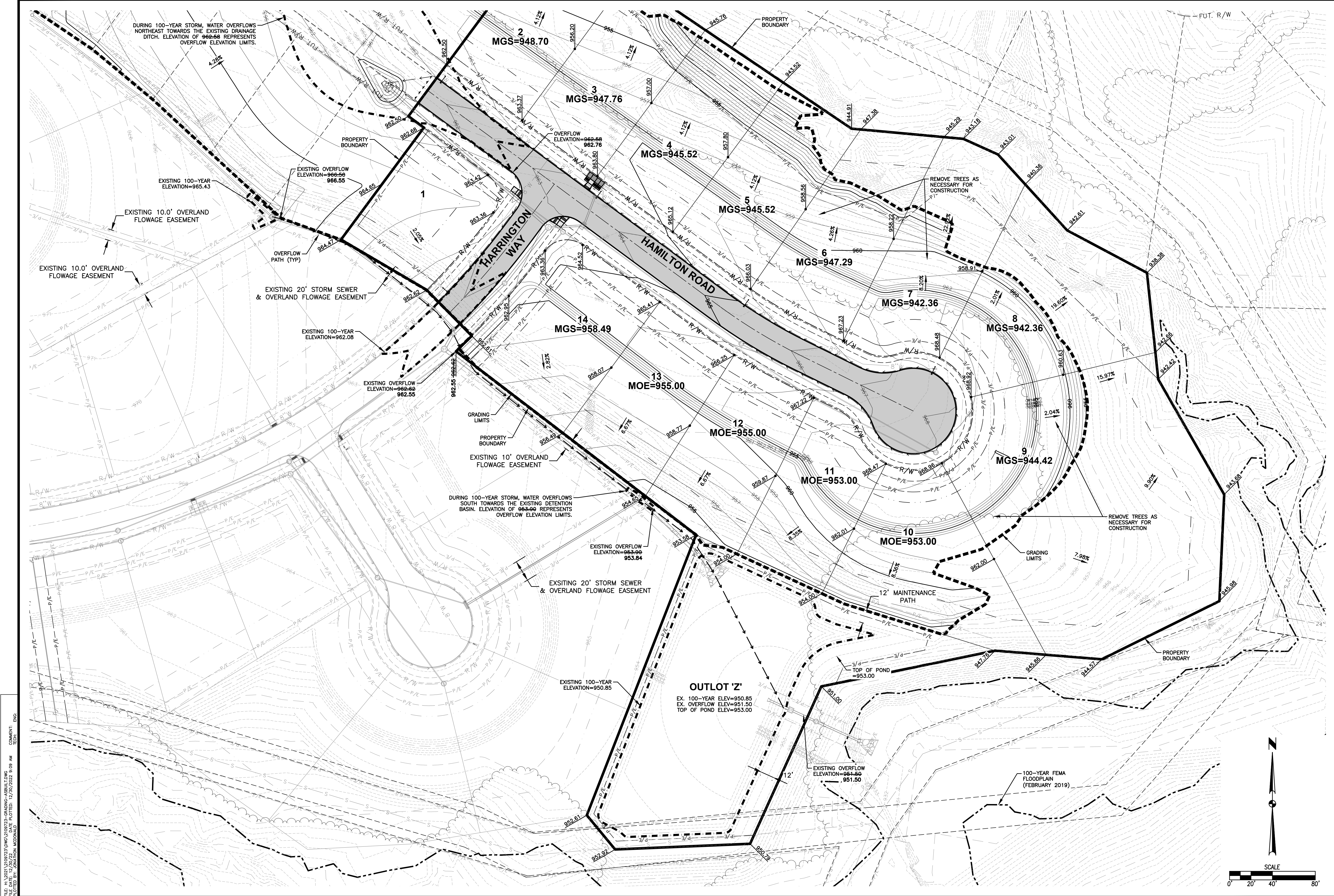


WAUKEE, IOWA

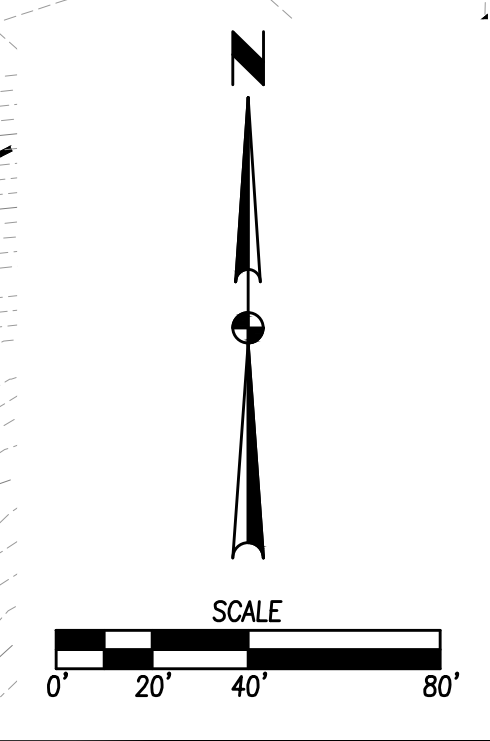
HAMILTON RIDGE PLAT 8
GRADING PLAN

ENGINEER: EKO
EI: GH/JWM



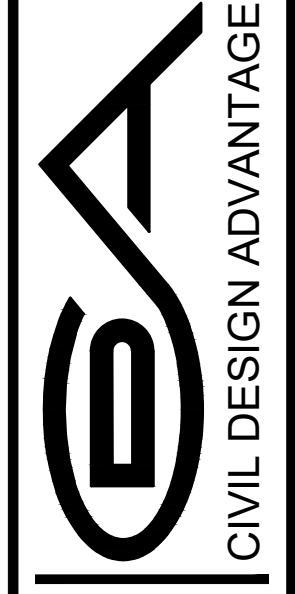


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| DATE | REVISIONS |
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 PHONE: (515) 369-4400



WAUKEE, IOWA
 ENGINEER: EKO
 EI: GH/JWM

HAMILTON RIDGE PLAT 8

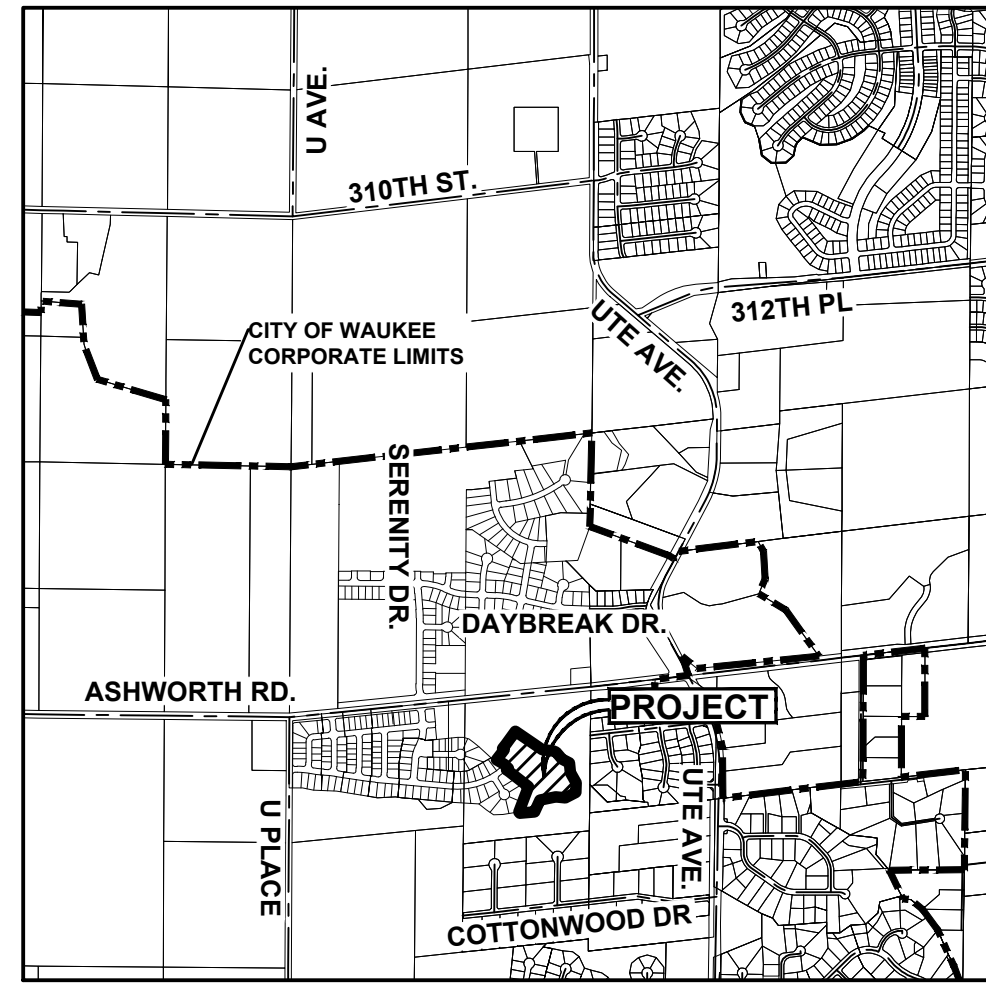
GRADING PLAN

HAMILTON RIDGE PLAT 8

EROSION AND SEDIMENT CONTROL PLAN

VICINITY MAP

NOT TO SCALE



WAUKEE, IOWA

STABILIZATION QUANTITIES

| ITEM NO. | ITEM | UNIT | TOTAL |
|----------|------------------------------------|------|-------|
| 1 | SILT FENCE | LF | 2,418 |
| 2 | SEEDING, FERTILIZING, AND MULCHING | AC | 7.50 |
| 3 | INLET PROTECTION DEVICES | EA | 4 |
| 4 | CONCRETE WASHOUT PIT | EA | 1 |

NOTES:

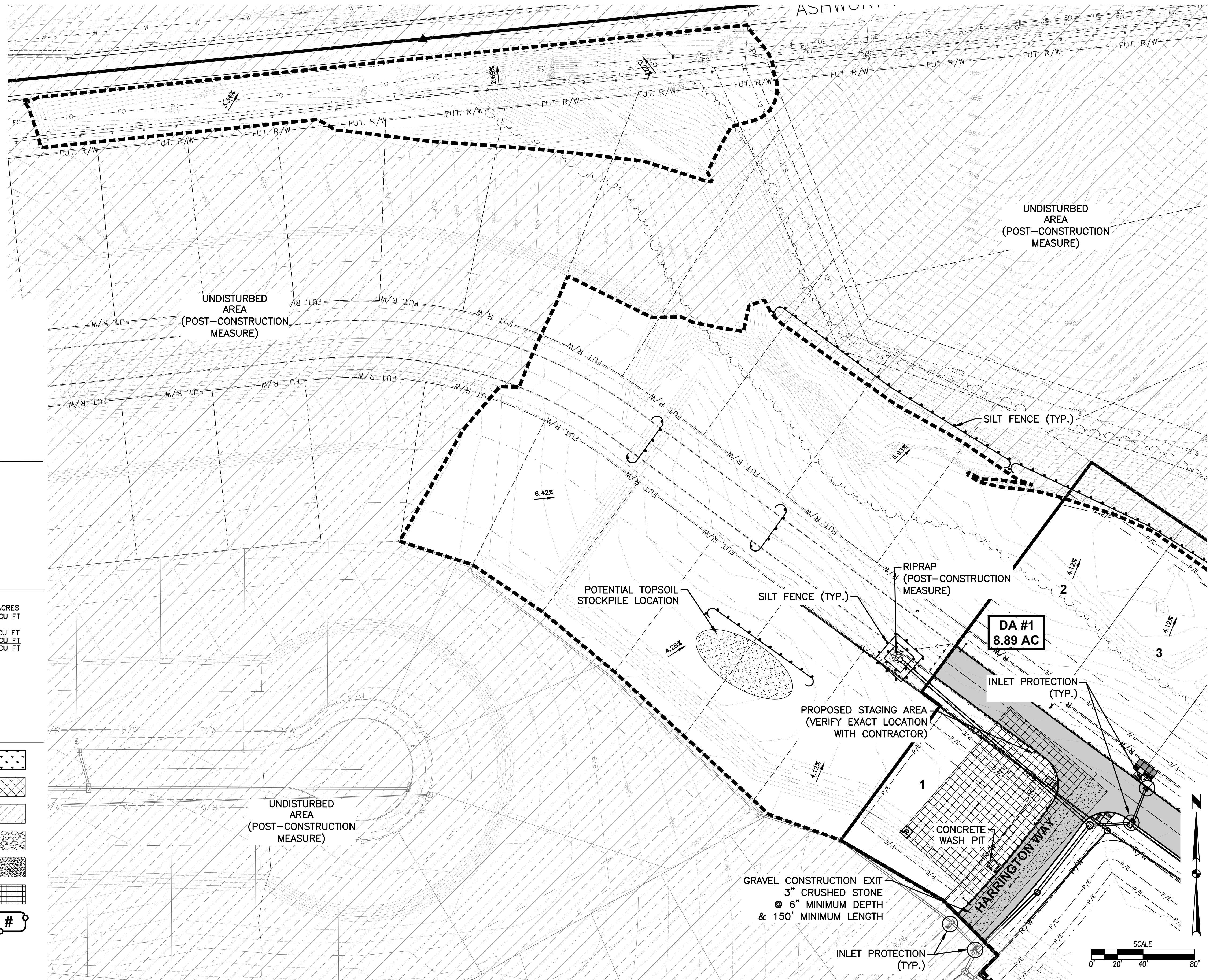
- IF DEWATERING IS NEEDED FOR ANY REASON, DISCHARGE OF WATER OFFSITE IS TO CONFORM WITH THE GENERAL PERMIT #2 REQUIREMENT.
- DISTURBED AREAS SHALL BE TEMPORARILY SEEDED OR MULCHED IMMEDIATELY WHENEVER CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- STORM SEWERS AND DRAINAGE WAYS SHALL BE PROTECTED FROM CONCRETE SLURRY PRODUCED BY SAWCUTTING AND CONCRETE GRINDING.

DISCHARGE POINT SUMMARY

| DISCHARGE POINT #1 TO SUGAR CREEK ±100 FT | 8.89 ACRES |
|---|--------------|
| TOTAL AREA DISTURBED TO DISCHARGE POINT | 32,004 CU FT |
| STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT) | |
| VOLUME PROVIDED IN SILT FENCE (2,468 LF @ 10.0 CU FT/LF OF FENCE) | 24,180 CU FT |
| VOLUME PROVIDED IN EX TSB #1 | 33,390 CU FT |
| TOTAL VOLUME PROVIDED | 57,570 CU FT |

SWPPP LEGEND

| | | | |
|----------------------|-------------|--------------------------|--|
| DRAINAGE ARROW | ← X.XX % | AREA TO BE SEEDED | |
| GRADING LIMITS | --- --- | STRAW MAT | |
| FILTER SOCK | | UNDISTURBED AREA | |
| SILT FENCE | — · — · — · | RIP-RAP | |
| DITCH CHECK | — — — — | GRAVEL ENTRANCE | |
| INLET PROTECTION | | STAGING AREA | |
| PORTABLE RESTROOM | | TEMPORARY SEDIMENT BASIN | |
| TEMPORARY STANDPIPE | | | |
| CONCRETE WASHOUT PIT | | | |



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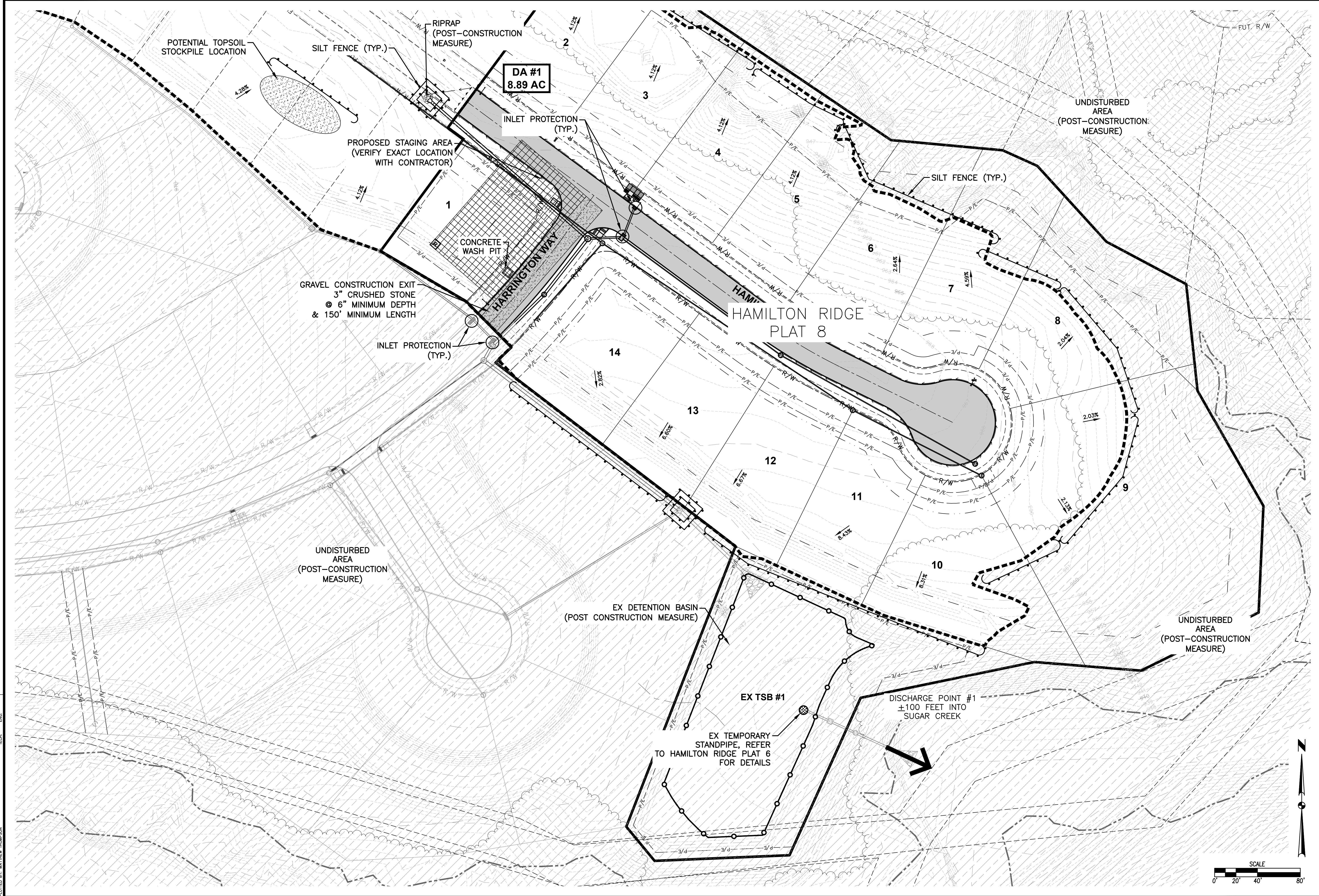
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| 03/03/2022 | REVISED FINAL SUBMITTAL |
| 12/06/2021 | FINAL SUBMITTAL |
| 11/16/2021 | SECOND SUBMITTAL |
| 10/12/2021 | FIRST SUBMITTAL |

4121 NW URBANDALE DRIVE
 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400
 ENGINEER: EKO
 EI: GH/JWM



HAMILTON RIDGE PLAT 8
EROSION AND SEDIMENT CONTROL PLAN
 WAUKEE, IOWA

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 COMMENT: REVISIONS
 PLOTTED BY: MATTHEW THOMPSON
 DATE PLOTTED: 11/7/2022 2:48 PM



| DATE | REVISIONS |
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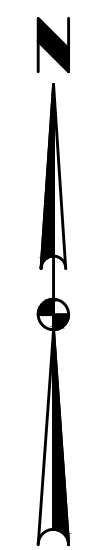
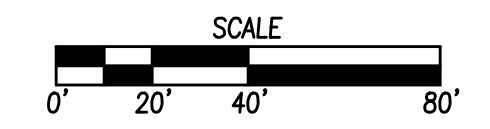
4121 NW URBANDALE DRIVE
 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400

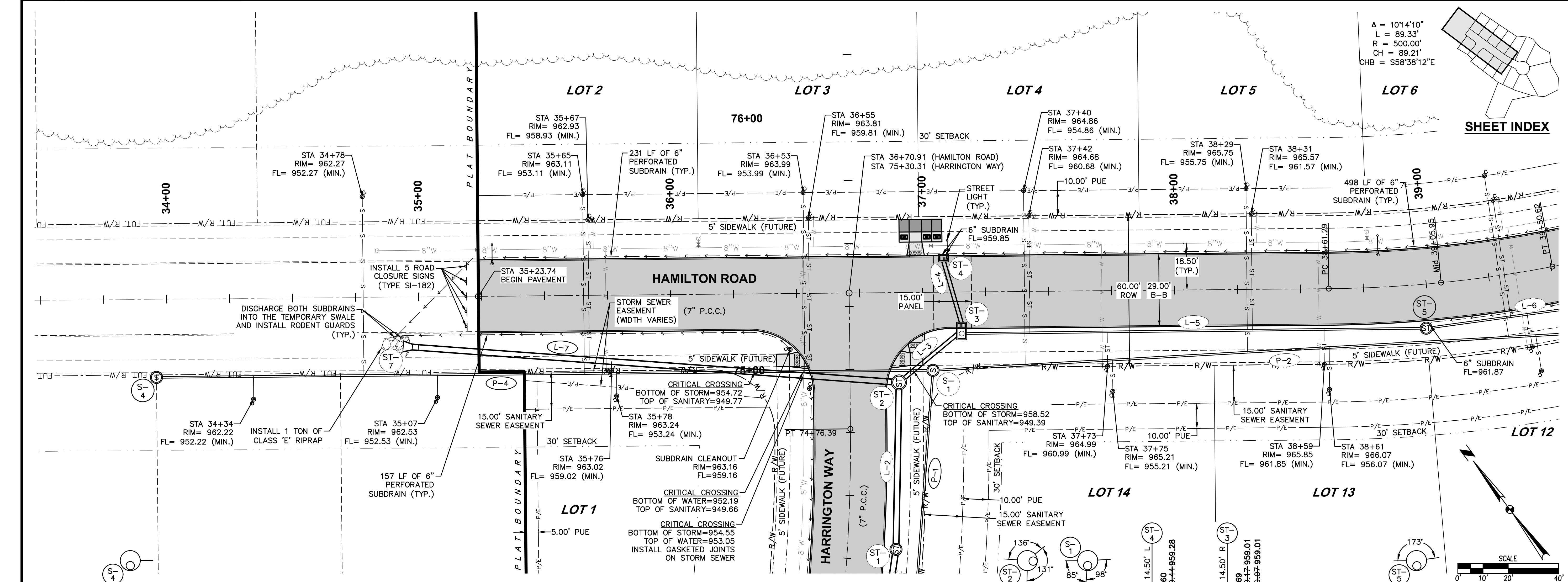


WAUKEE, IOWA

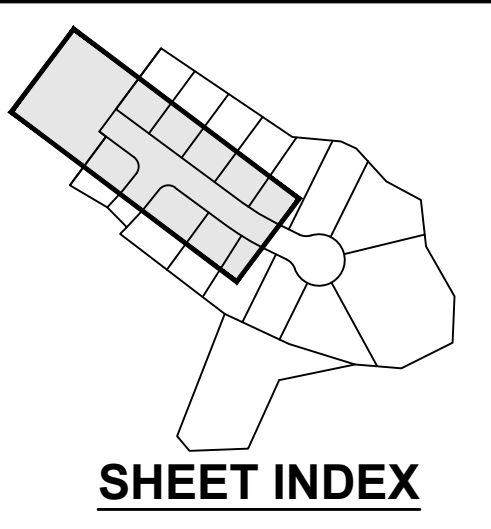
HAMILTON RIDGE PLAT 8
 EROSION AND SEDIMENT CONTROL PLAN

ENGINEER: EKO
 EI: GH/JWM





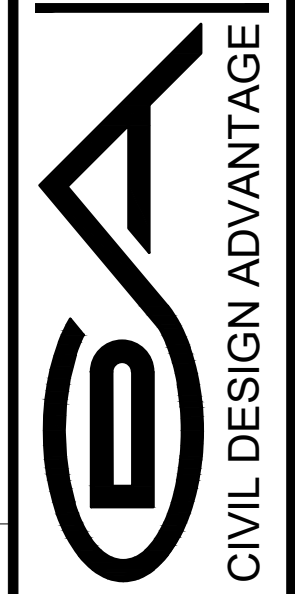
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 $R = 500.00'$
 $CH = 89.21'$
 $CHB = S58'38'12"E$



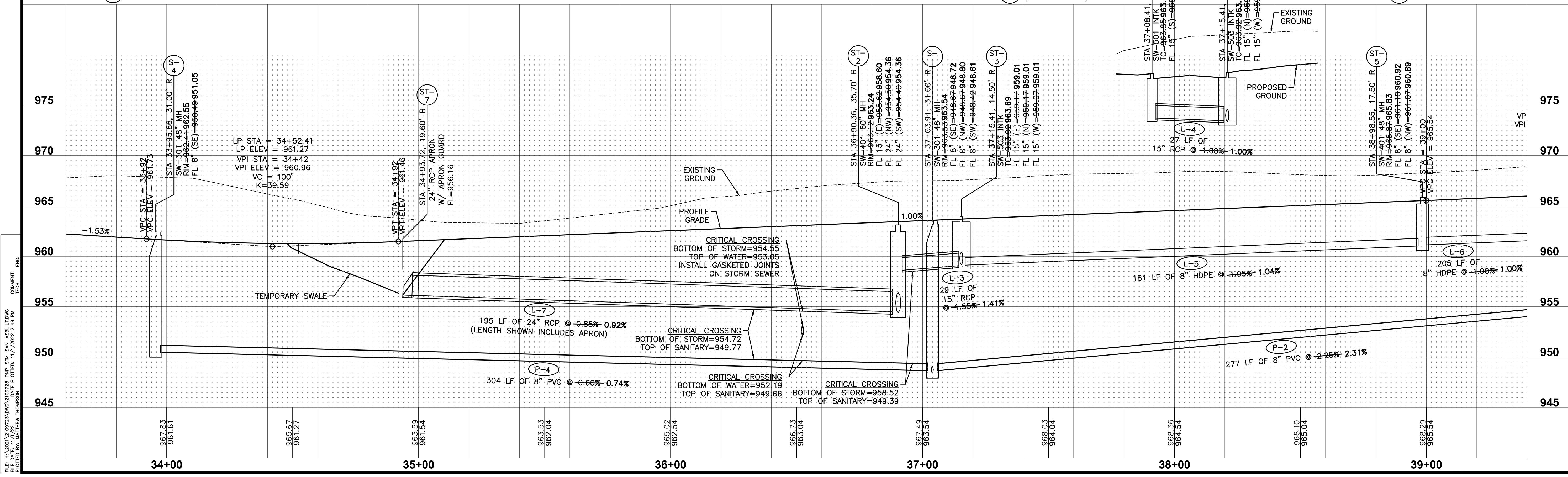
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 PHONE: (515) 369-4400

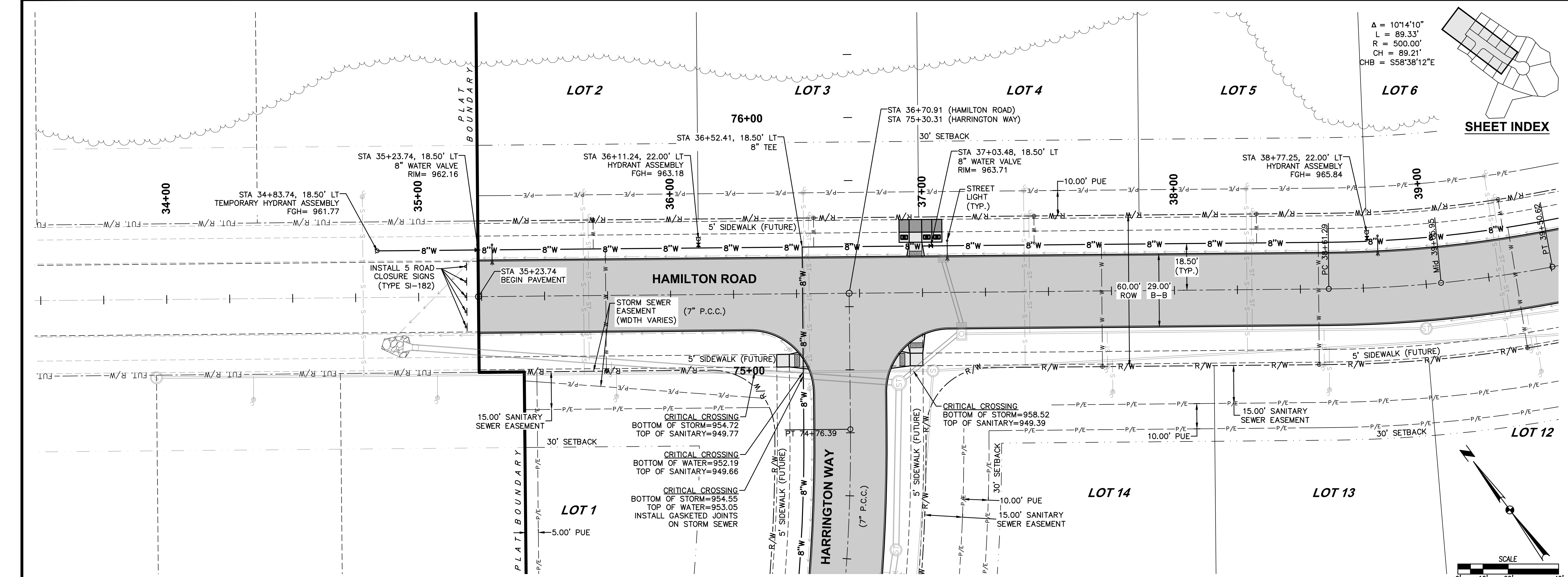
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 EI: GH/JWM



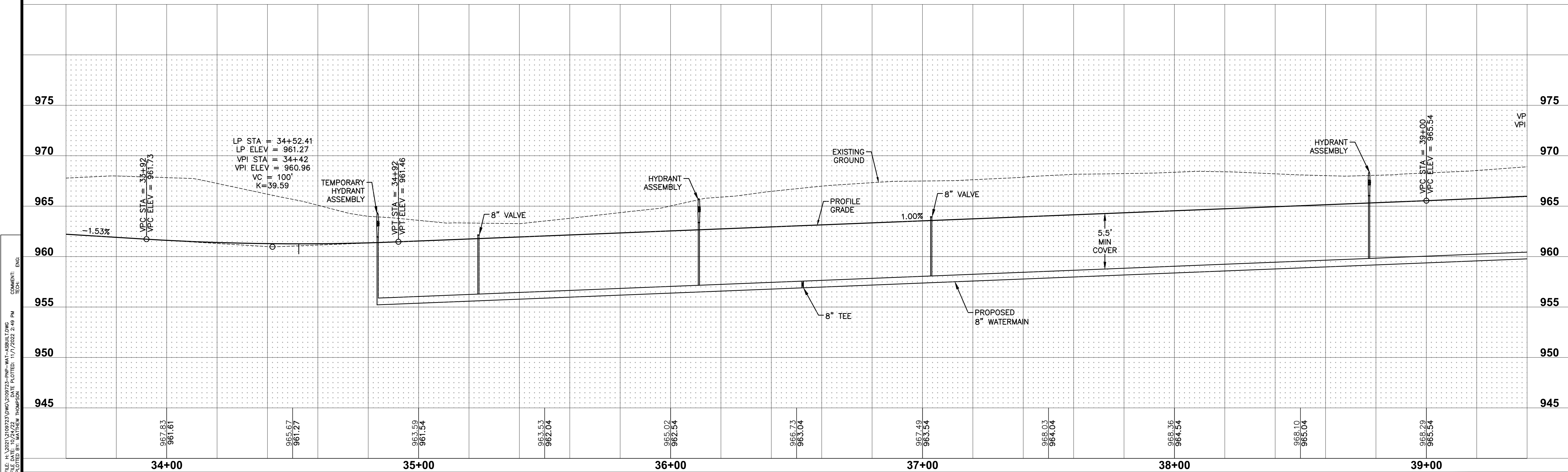
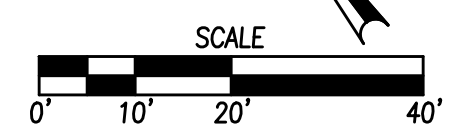
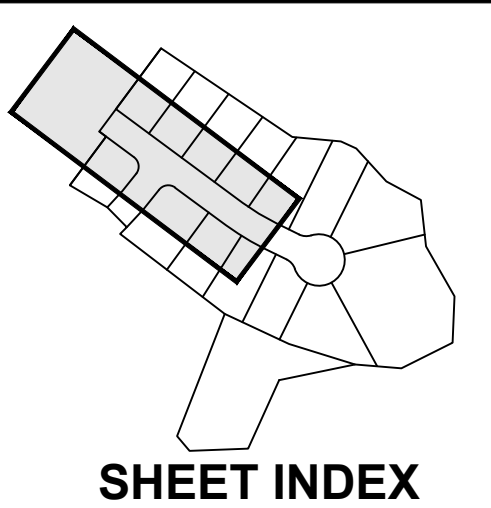
HAMILTON RIDGE PLAT 8
STORM & SANITARY SEWER PLAN AND PROFILE
 WAUKEE, IOWA



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 R = 500.00'
 CH = 89.21'
 CHB = S58°38'12"E

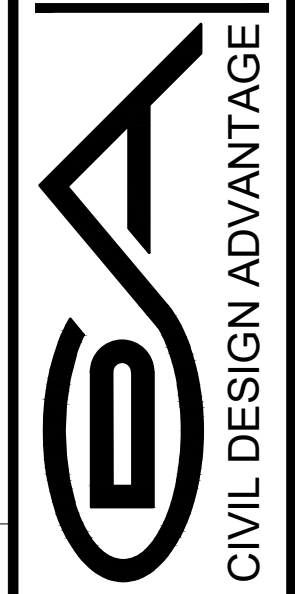


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 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400

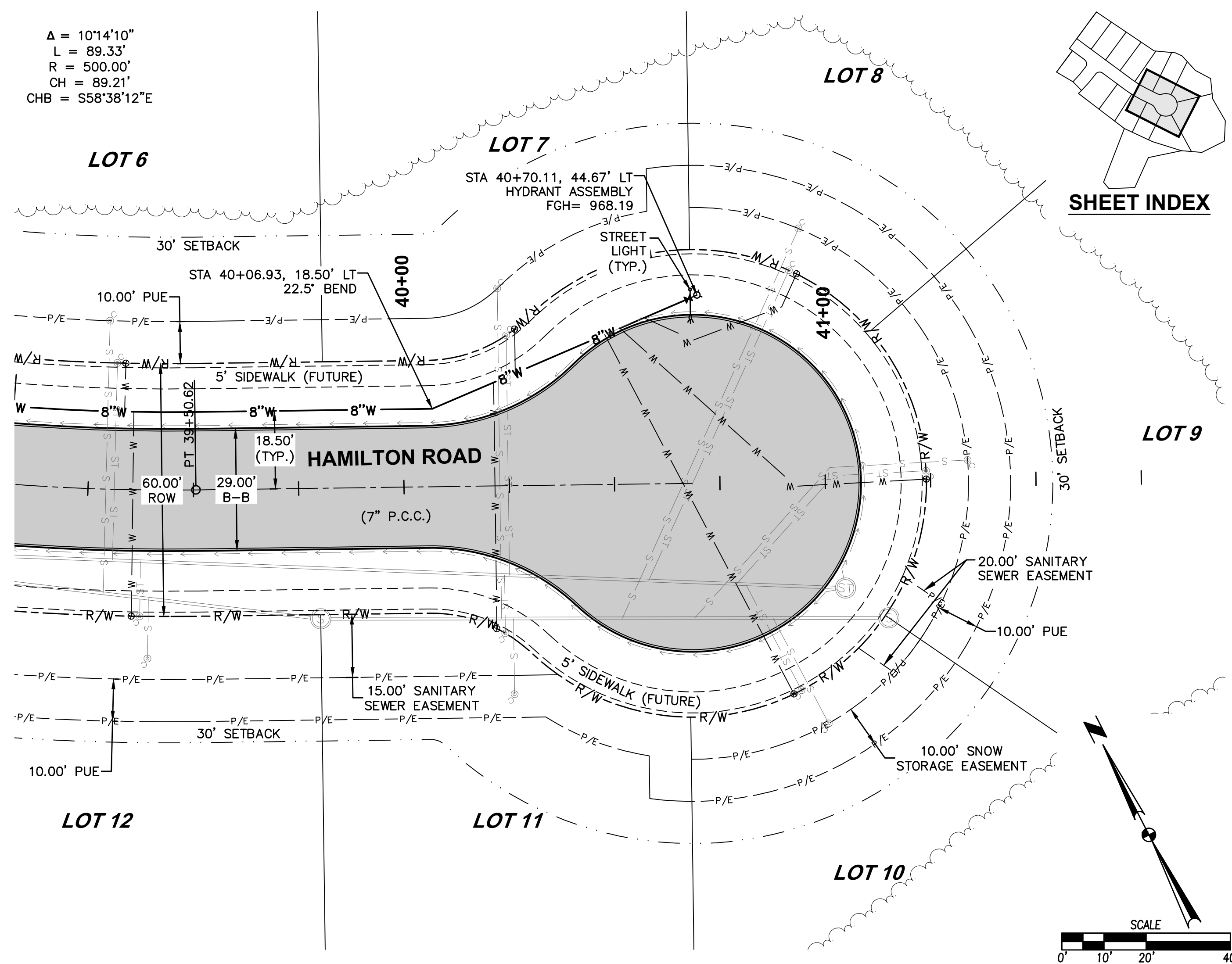
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 EI: GH/JWM



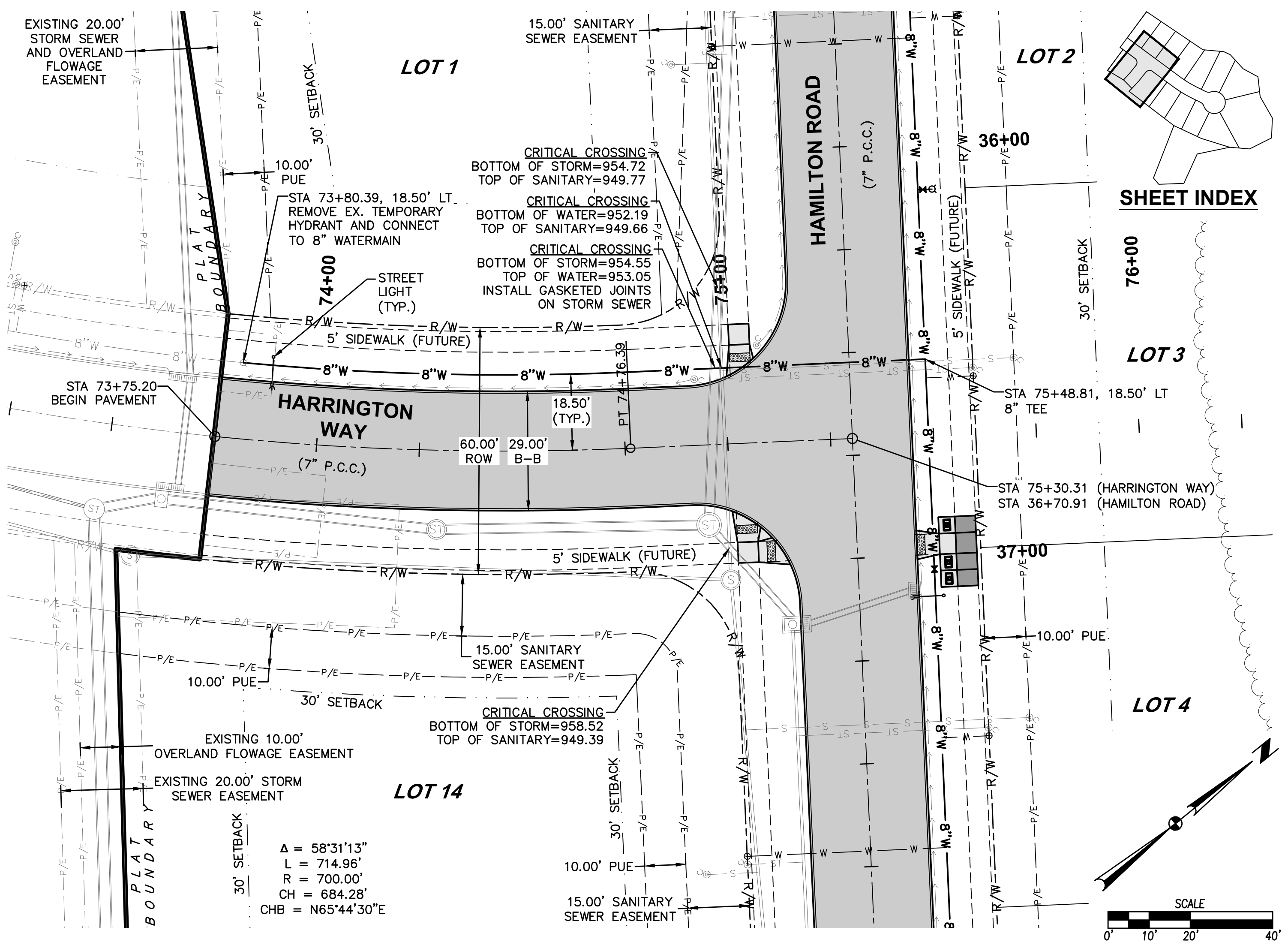
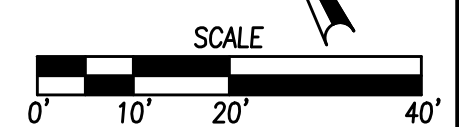
WAUKEE, IOWA

HAMILTON RIDGE PLAT 8
WATERMAIN PLAN AND PROFILE

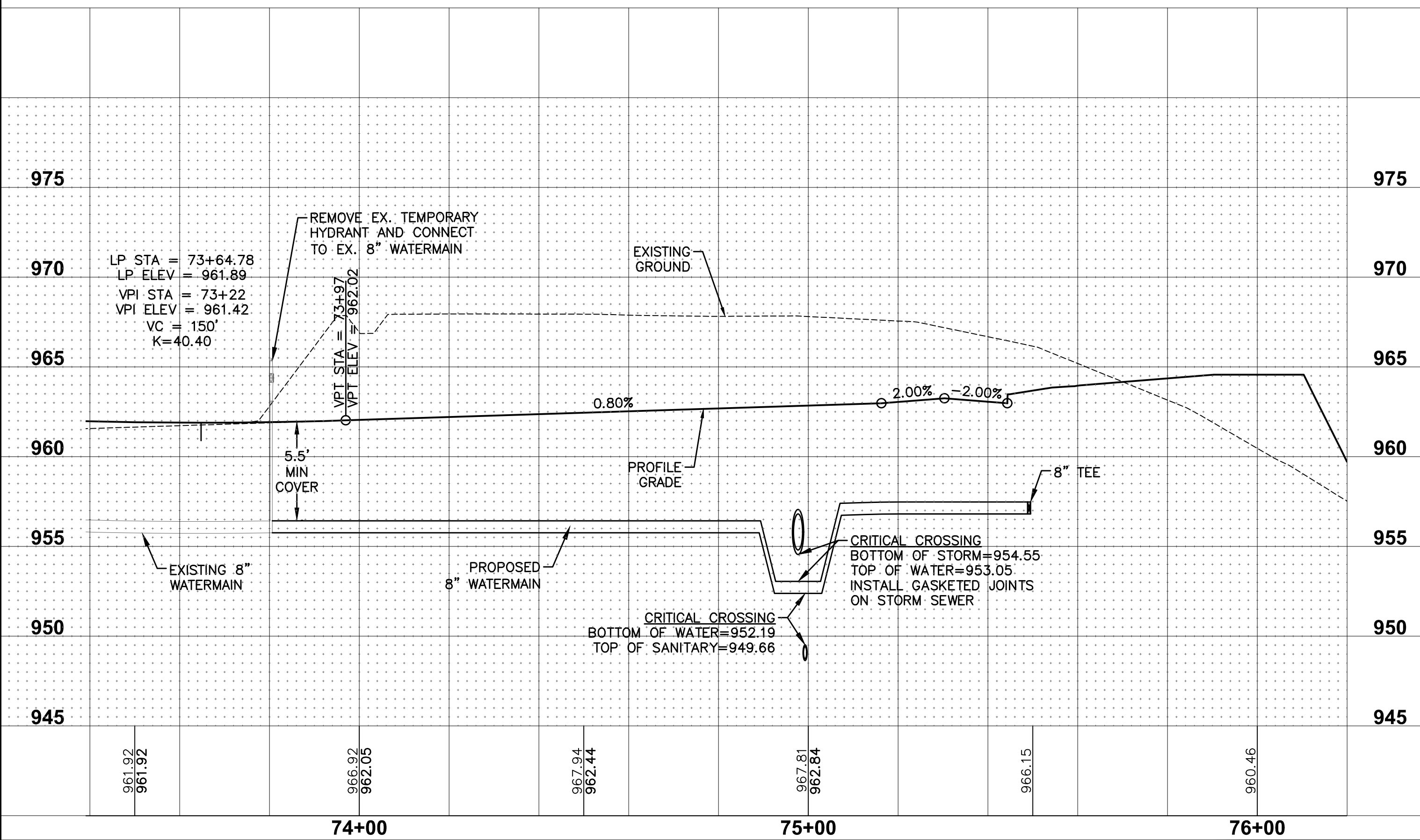
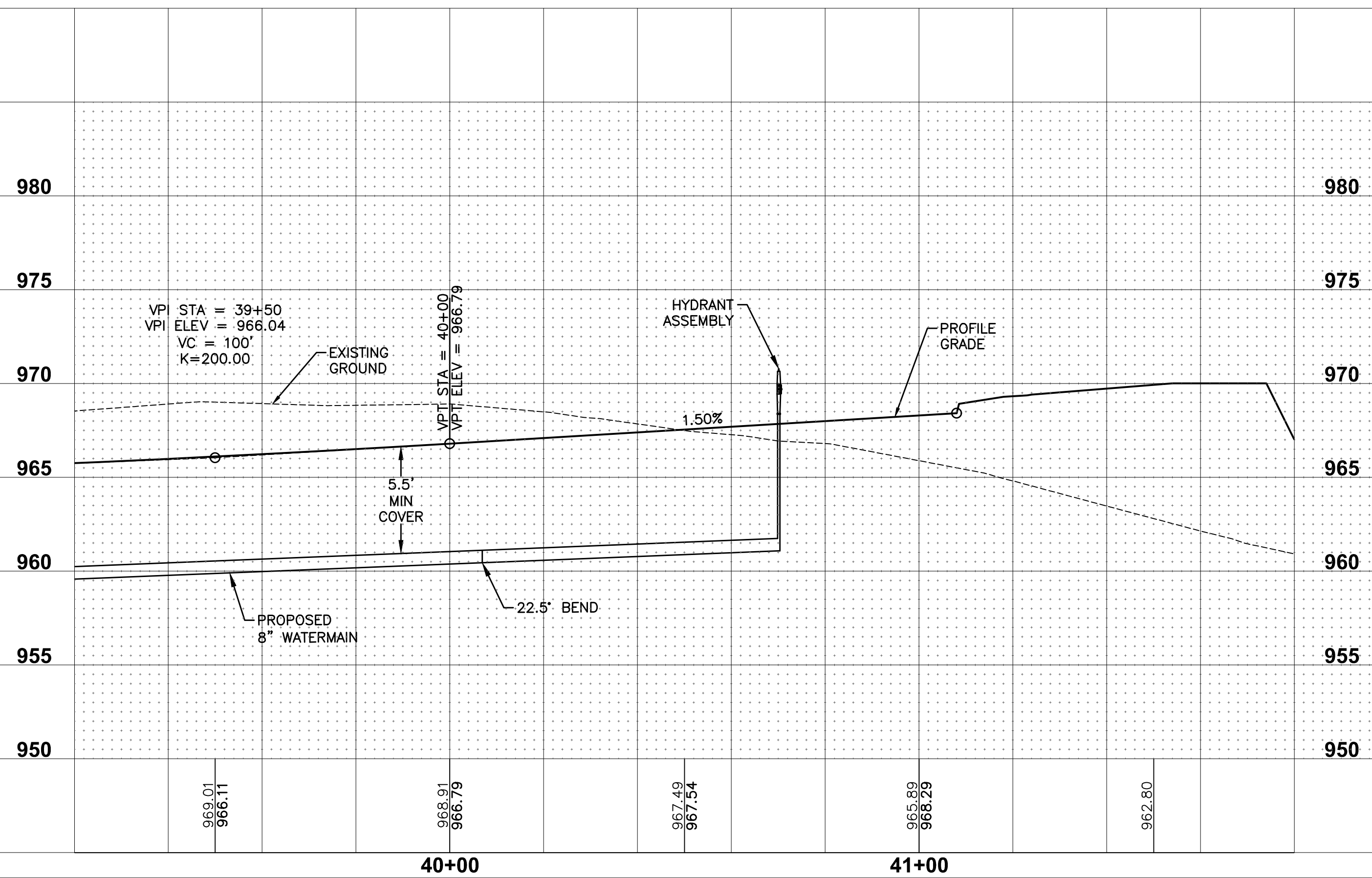
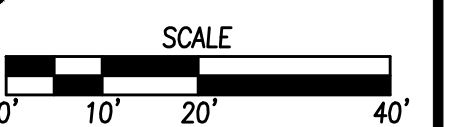
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SHEET INDEX



SHEET INDEX



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 REVISION: 11/17/2022 2:49 PM
 PLOTTED BY: WALTER THOMPSON

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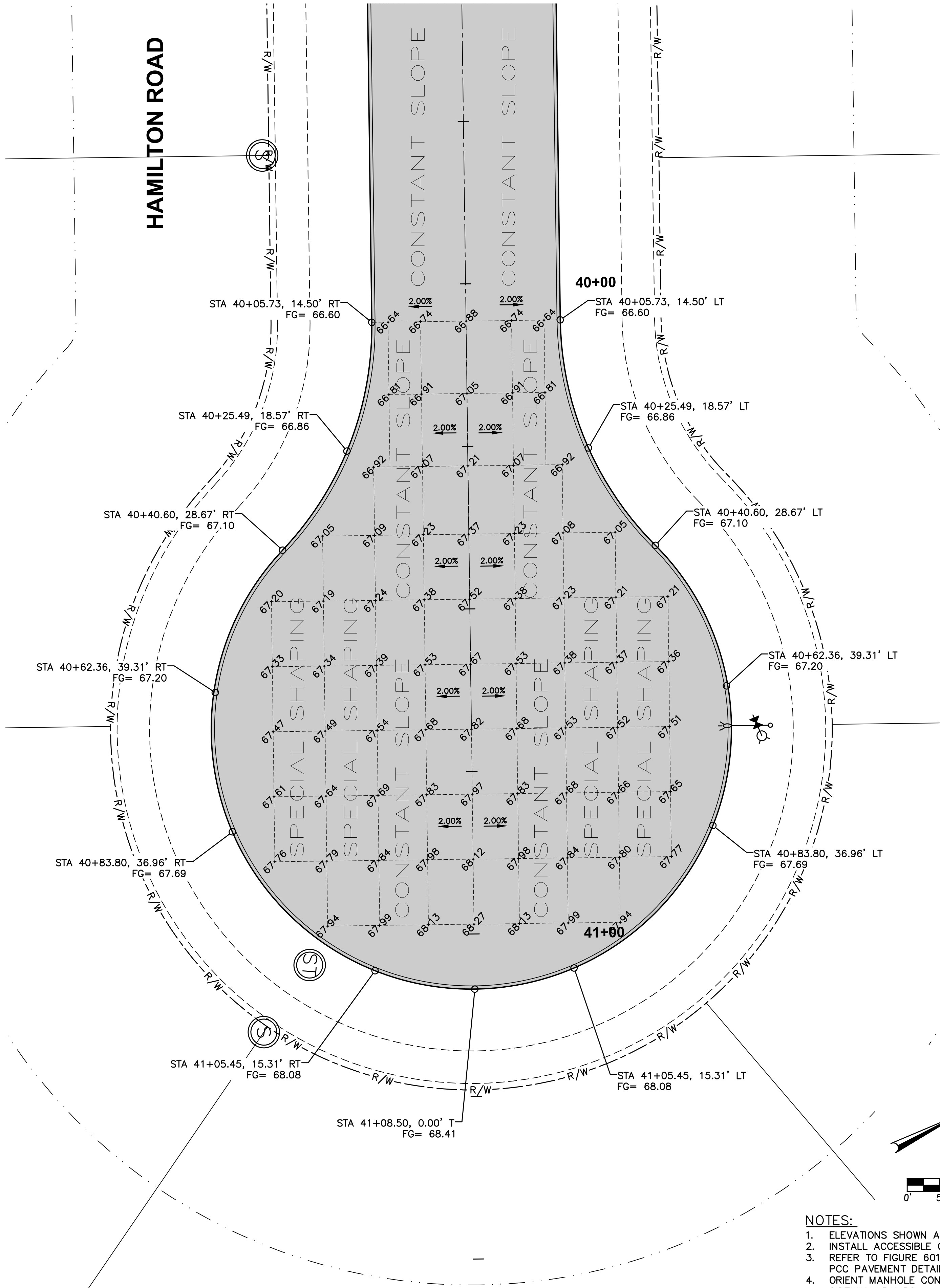
4121 NW URBANDALE DRIVE
 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400
 ENGINEER: EKO
 EI: GH/JWM

HAMILTON RIDGE PLAT 8
 WATERMAIN PLAN AND PROFILE
 WAUKEE, IOWA

13/15
 2109.723

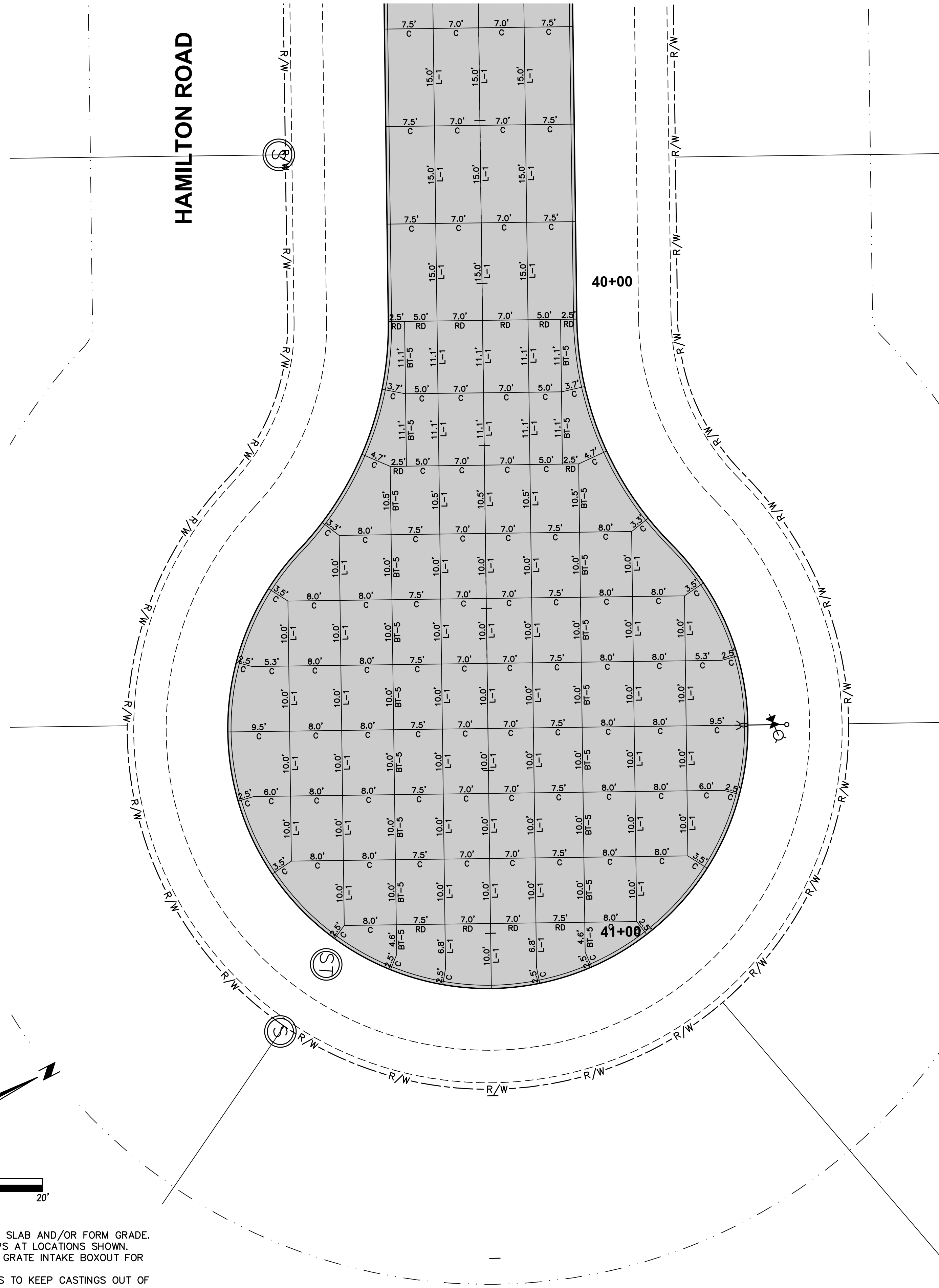
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 DRAWN BY: MATHIEU THOMPSON
 DATE PLOTTED: 11/7/2022 2:50 PM
 DESIGNED BY: MATHIEU THOMPSON

HAMILTON ROAD



GEOMETRICS AND STAKING LAYOUT

HAMILTON ROAD

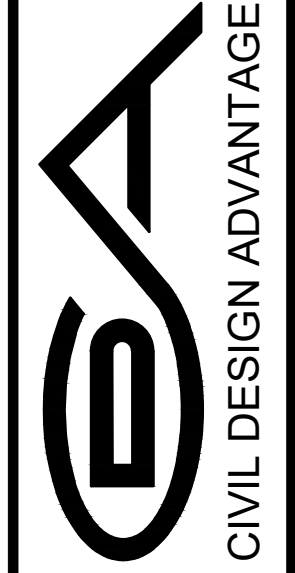


JOINTING LAYOUT

- NOTES:
- ELEVATIONS SHOWN ARE TOP OF SLAB AND/OR FORM GRADE.
 - INSTALL ACCESSIBLE CURB RAMPS AT LOCATIONS SHOWN.
 - REFER TO FIGURE 6010.514 FOR GRATE INTAKE BOXOUT FOR PCC PAVEMENT DETAILS.
 - ORIENT MANHOLE CONE SECTIONS TO KEEP CASTINGS OUT OF SIDEWALK RAMPS.
 - ADD 900 TO FOUR DIGIT SPOT ELEVATIONS TO OBTAIN PROJECT DATUM.

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 URBANDALE, IOWA 50322
 PHONE: (515) 369-4400



CIVIL DESIGN ADVANTAGE
 WAUKEE, IOWA

HAMILTON RIDGE PLAT 8
INTERSECTION DETAILS

ENGINEER: EKO
 EI: GH/JWM