

CONSTRUCTION PLANS FOR:

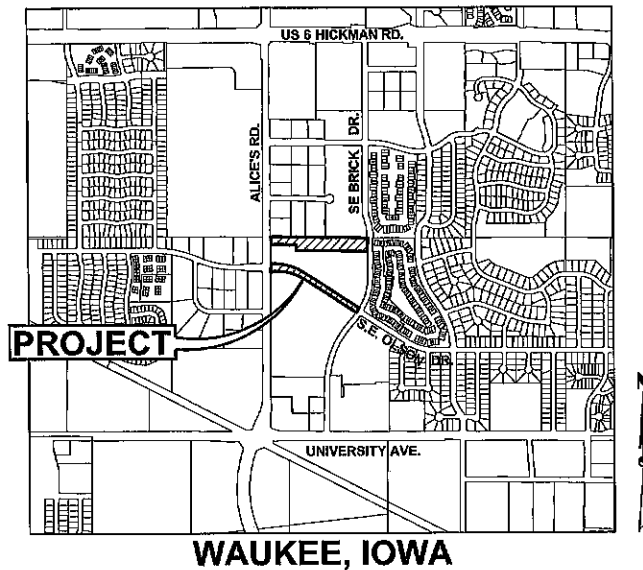
AUTUMN RIDGE PLAT 1

WAUKEE, IOWA

APPROVED
APPROVED BY Waukee City Council
DATE 2-2-2015
SIGNED [Signature]

VICINITY MAP

NOT TO SCALE



INDEX OF SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS AND DETAILS
3	QUANTITIES AND REFERENCE NOTES
4	SHEET INDEX, HYDRANT COVERAGE, SERVICE INSTALLATION & SIDEWALK PLAN
5 - 6	GRADING PLAN
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13-15	INTERSECTION DETAILS

GENERAL LEGEND

PROPOSED	EXISTING
SECTION LINE	SANITARY MANHOLE
CENTER LINE	WATER VALVE BOX
RIGHT OF WAY	FIRE HYDRANT
PERMANENT EASEMENT	WATER CURB STOP
TEMPORARY EASEMENT	WELL
TYPE SW-501 STORM INTAKE	STORM SEWER MANHOLE
TYPE SW-503 STORM INTAKE	STORM SEWER SINGLE INTAKE
TYPE SW-505 STORM INTAKE	STORM SEWER DOUBLE INTAKE
TYPE SW-506 STORM INTAKE	FLARED END SECTION
TYPE SW-513 STORM INTAKE	DECIDUOUS TREE
TYPE SW-401 STORM MANHOLE	CONIFEROUS TREE
TYPE SW-402 STORM MANHOLE	DECIDUOUS SHRUB
TYPE SW-301 SANITARY MANHOLE	CONIFEROUS SHRUB
STORM/SANITARY CLEANOUT	ELECTRIC POWER POLE
WATER VALVE	GUY ANCHOR
FIRE HYDRANT ASSEMBLY	STREET LIGHT
SIGN	POWER POLE W/ TRANSFORMER
DETECTABLE WARNING PANEL	UTILITY POLE W/ LIGHT
WATER CURB STOP	ELECTRIC BOX
STORM SEWER STRUCTURE NO.	ELECTRIC TRANSFORMER
STORM SEWER PIPE NO.	ELECTRIC MANHOLE OR VAULT
SANITARY SEWER STRUCTURE NO.	TRAFFIC SIGN
SANITARY SEWER PIPE NO.	TELEPHONE JUNCTION BOX
SANITARY SEWER WITH SIZE	TELEPHONE MANHOLE/VAULT
SANITARY SERVICE	TELEPHONE POLE
STORM SEWER	GAS VALVE BOX
STORM SERVICE	CABLE TV JUNCTION BOX
WATERMAIN WITH SIZE	CABLE TV MANHOLE/VAULT
WATER SERVICE	MAIL BOX
SAWCUT (FULL DEPTH)	BENCHMARK
SILT FENCE	SOIL BORING
USE AS CONSTRUCTED	UNDERGROUND TV CABLE
MINIMUM PROTECTION ELEVATION	GAS MAIN
TOP OF PROPOSED GROUND	FIBER OPTIC
	UNDERGROUND TELEPHONE
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	FIELD TILE
	SANITARY SEWER W/ SIZE
	STORM SEWER W/ SIZE
	WATER MAIN W/ SIZE

OWNER / APPLICANT

CENTENNIAL DEVELOPMENT L.C.
C/O KIMBERLEY DEVELOPMENT CORPORATION
2785 N. ANKENY BLVD, SUITE 22
ANKENY, IOWA 50023

ENGINEER/ SURVEYOR

CIVIL DESIGN ADVANTAGE
CONTACT: ERIN OLLENDIKE
3405 SE CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PH. (515) 369-4400
FX. (515) 369-4410

BENCHMARKS

BM#1 BURY BOLT ON HYDRANT @ SE CORNER OF
SE OLSON DR. & SE BRICK DR.
ELEVATION=1049.35

BM#2 TAGGED BURY BOT ON HYDRANT @ NW
CORNER OF SE LAUREL & SE LEGACY
ELEVATION=1036.49

BM#3 BURY BOLT ON HYDRANT @ NE CORNER OF
ALICES RD & FRONTIER AVE.
ELEVATION=1045.36

UTILITY NOTE

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. A REQUEST WAS MADE
TO IOWA ONE CALL FOR THE UTILITIES TO LOCATE
THEIR UTILITIES IN THE FIELD.

NOTES

- ANY CHANGES PROPOSED TO THE
CONSTRUCTION DRAWINGS DURING
CONSTRUCTION SHALL BE APPROVED IN
WRITING BY THE CITY OF WAUKEE ENGINEERING
DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY
CHANGES MADE DURING CONSTRUCTION THAT
HAVE NOT BEEN GRANTED APPROVAL IN
WRITING BY THE CITY OF WAUKEE ENGINEERING
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.

SUBMITTAL DATES

FIRST SUBMITTAL: 09/09/2014
SECOND SUBMITTAL: 10/24/2014
THIRD SUBMITTAL: 11/11/2014
FOURTH SUBMITTAL: 12/11/2014
FIFTH SUBMITTAL: 12/30/2014
FINAL SUBMITTAL: 02/06/2015

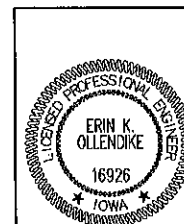


CA
CIVIL DESIGN ADVANTAGE
3405 SE CROSSROADS DR. SUITE G GRIMES, IOWA 50111
PH: (515) 369-4400 Fax: (515) 369-4410
PROJECT NO. 1402.069

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.

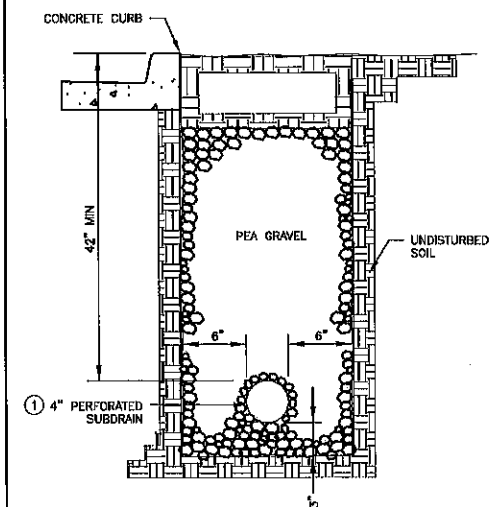
THE 2014 EDITION OF SUDAS STANDARD SPECIFICATIONS AND THE MOST RECENT EDITION OF THE CITY
OF WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SHALL APPLY TO ALL WORK
PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.



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 2-6-15
ERIN K. OLLENDIKE, P.E. DATE

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2015
PAGES OR SHEETS COVERED BY THIS SEAL:
SHEETS 1-15

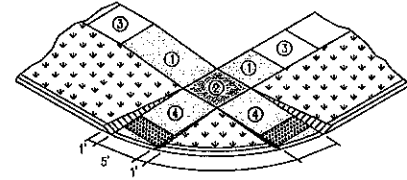
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CHECKED BY: JLN
DESIGNED BY: JLN



4" PERFORATED SUBDRAIN

NOT TO SCALE

1. PLACE PERFORATIONS DOWN FOR ALL INSTALLATIONS.
2. ALL SUBDRAINS ARE TO BE TIED INTO STORM SEWER STRUCTURES AND THEIR LOCATIONS ARE TO BE INCLUDED IN THE AS-BUILTS FOR THE SUBMISSION.
3. THE GEOTECHNICAL ENGINEER SHALL BE PRESENT ON-SITE DURING SUBGRADE PREPARATION AND PROOF ROLL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTECHNICAL ENGINEER IS PRESENT ON-SITE AND A COPY OF ALL REPORTS AND FINDINGS REQUIRING ALTERATION FROM THE APPROVED PLAN SET BE PROVIDED TO THE WAUKEE ENGINEERING DEPARTMENT FOR REVIEW AND DISCUSSION PRIOR TO COMMENCING WITH PAVING WITHIN THE PROJECT.
4. CORE DRILL ALL STORM SEWER AND PLACE NON-SHRINK GROUT COLLAR AT CONNECTION.
5. RODENT GUARDS SHALL BE INSTALLED ON ALL ENTRY POINTS WITHIN THE STORM STRUCTURE.



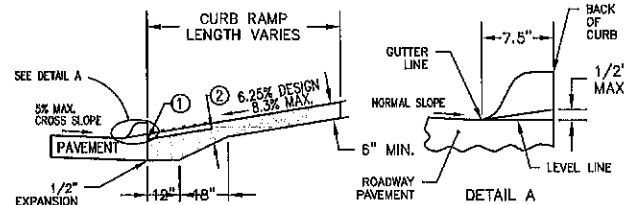
CURB RAMPS OUTSIDE OF INTERSECTION RADIUS

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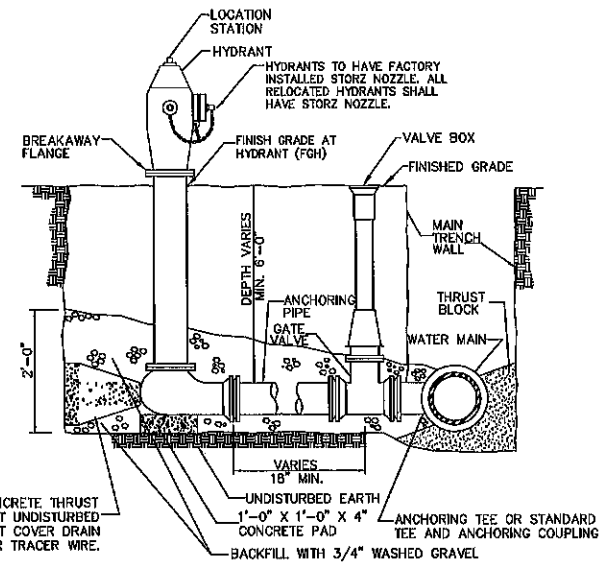
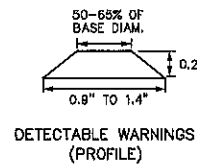
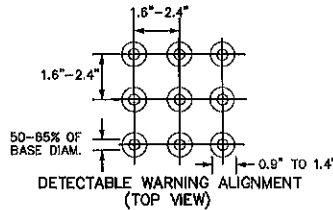
- Key**
- CURB RAMP
 - TURNING SPACE
 - DETECTABLE WARNING
1. Parallel Curb Ramps: Target cross slope of 1.5% with a maximum cross slope of 2.0%. The length of the parallel ramp is not to exceed 15 feet, regardless of resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.
 2. Turning Space: Target slope of 1.5% with a maximum slope perpendicular to the travel direction of 2.0%. All mid-block crossings, cross slope of landing may exceed 2.0% to match the roadway grade. Minimum 4 feet by 4 feet.
 3. Target cross-slope of 1.5% with a maximum cross-slope of 2.0%.
 4. Perpendicular curb ramps: Target running slope of 6.25% with maximum running slope of 8.3%.
- The pavement depth for ramps and landings shall be 5-inches.

DETECTABLE WARNING DETAIL

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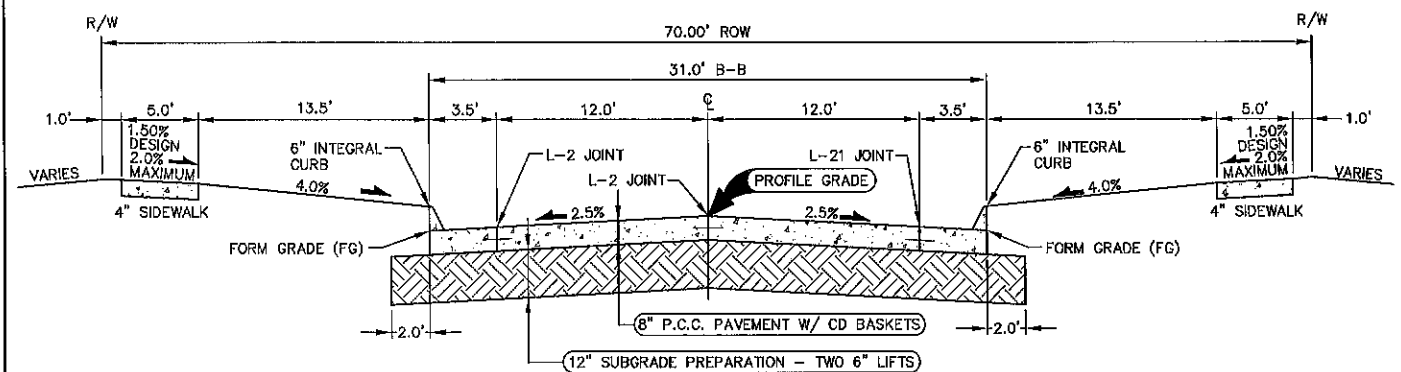
1. INSTALL A 24 INCH WIDE (MIN.) STRIP OF DETECTABLE WARNING AT THE BACK OF CURB. EXTEND THE DETECTABLE WARNING ACROSS THE FULL WIDTH OF THE RAMP.
2. PROVIDE A MINIMUM OF 6 INCHES OF CONCRETE BELOW THE DETECTABLE WARNING PANEL.



- NOTES**
1. MINIMUM SIZE FOR PIPING, VALVES AND FITTINGS FROM WATER MAIN TO HYDRANT INLET: 8".
 2. PROVIDE TRACER WIRE AND TRACER WIRE STATION.
 3. WRAP HYDRANT, PIPE AND FITTINGS WITH POLYETHYLENE ENCASEMENT.

HYDRANT ASSEMBLY DETAIL

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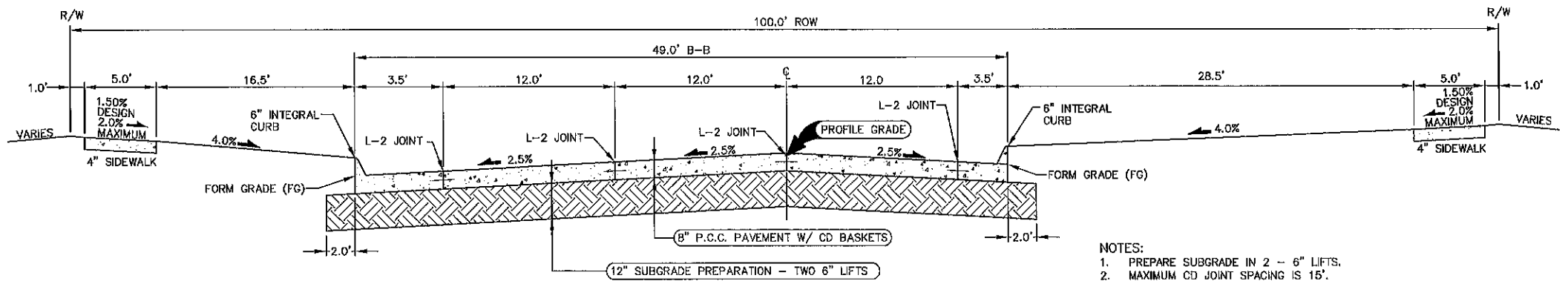


- NOTES:**
1. PREPARE SUBGRADE IN 2 - 6" LIFTS.
 2. MAXIMUM CD JOINT SPACING IS 15'.

TYPICAL SECTION - 31' B/B P.C.C. ROADWAY WITH 70' ROW

NOT TO SCALE

S.E. OLSON DRIVE (STA 4+53.97 TO STA 14+31.03)



- NOTES:**
1. PREPARE SUBGRADE IN 2 - 6" LIFTS.
 2. MAXIMUM CD JOINT SPACING IS 15'.

TYPICAL SECTION - 49' B/B P.C.C. ROADWAY WITH 100' ROW

NOT TO SCALE

S.E. OLSON DRIVE (STA STA 1+11.83 TO STA 4+53.97)

ESTIMATE REFERENCE DESCRIPTION	
Data listed below is for informational purpose only and shall not constitute a basis for any extra work orders.	
ITEM NO.	DESCRIPTION
	THE 2014 EDITION OF SUDAS STANDARD SPECIFICATIONS AND THE MOST RECENT EDITION OF THE CITY OF WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN. ALL REFERENCES TO SECTIONS AND FIGURES ARE TO THE SUDAS STANDARD SPECIFICATIONS. CITY OF WAUKEE STANDARD DETAILS SHALL GOVERN IF ANY DISCREPANCIES.
1	CLEAR AND GRUB ALL AREAS AFFECTED BY GRADING OPERATIONS. THE CONTRACTOR SHALL FIELD VERIFY CLEARING AND GRUBBING NEEDS PRIOR TO BIDDING. INCLUDES REMOVAL OF ANY EXISTING STORM SEWER AND FIELD FENCE. ALL MATERIAL THAT IS REMOVED FROM THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR. INCLUDES REMOVAL OF EXISTING CROPS FOR CONSTRUCTION OF TEMPORARY ACCESS. DO NOT DISTURB CROPS OUTSIDE OF THE PROJECT LIMITS.
2	STRIP, SALVAGE AND RE-SPREAD THE TOP 6 INCHES OF TOPSOIL. RESPREAD TOPSOIL WITHIN THE RIGHT OF WAY, ON BACKSLOPES AND IN DEVELOPED AREAS A MINIMUM OF 6 INCHES THICK. RESPREAD TOPSOIL IN AREAS THAT ARE FARMED A MINIMUM OF 12 INCHES THICK. TOPSOIL TO BE RESPREAD SHALL BE FREE OF ROCK AND DEBRIS AND BE SUITABLE FOR THE GROWTH OF GRASS. COORDINATE LOCATION OF STOCKPILE WITH OWNER. 4" TOPSOIL QUANTITY = 3,100 CY
3	EXCAVATION INCLUDES ALL WORK NECESSARY TO ACHIEVE PROPER GRADES AS SHOWN IN THE PLANS. NO PAYMENT FOR OVERHAUL SHALL BE ALLOWED.
4	REFER TO SHEET 2 FOR TYPICAL LOCATIONS AND THICKNESS.
5-6	SANITARY SEWER FOR 8" SHALL BE PVC TRUSS PIPE. ANY CONNECTIONS TO EXISTING SANITARY SEWER SHALL BE CONSIDERED INCIDENTAL. REFER TO FIG. 3010.101 AND 3010.103 FOR PIPE EMBEDMENT DETAILS. GRANULAR PIPE BEDDING SHALL BE CONSIDERED INCIDENTAL. TRENCHLESS SANITARY SEWER UNDER ROADWAYS SHOULD BE INSTALLED PER SUDAS 3020 PART 2.01B AND RESTRAINED JOINT PIPE SHALL BE USED. NO CASING PIPE.
5-12	REFER TO FIGURE 3010.101, 3010.102 AND 3010.103 FOR TRENCH BEDDING AND BACKFILL ZONE DETAILS. GRANULAR PIPE BEDDING SHALL BE CONSIDERED INCIDENTAL. CONNECTIONS TO EXISTING STORM SEWER PIPE AND STRUCTURES SHALL BE CONSIDERED INCIDENTAL. WRAP ALL PIPE JOINTS IN ENGINEERING FABRIC. CLEAN AND TELEVIEW SANITARY AND STORM SEWER PRIOR TO PAVING AND PROVIDE TELEVIEWING REPORT TO CITY IN HARD COPY AND DISC FORMAT. TELEVIEWING SHALL BE CONSIDERED INCIDENTAL. ALL STORM SEWER PIPE THAT CROSSES OVER WATERMAIN SHALL HAVE O-RING GASKETS INSTALLED. ALL 8-INCH PERFORATED PIPE SHALL BE BACKFILLED WITH PEA ROCK.
13-14	THE LAST THREE SECTIONS AND APRON SHALL BE CONNECTED WITH PIPE CONNECTORS. REFER TO FIG. 4030.221 - RCP APRON SECTION FOOTING FOR FOOTING CONSTRUCTION DETAILS. APRON GUARD REQUIRED ON ALL APRONS. RCP APRON FOOTING, PIPE APRON GUARD AND PIPE CONNECTORS TO BE CONSIDERED INCIDENTAL. INSTALL CLAY WATERSTOPS AT ALL RCP APRONS, MIN. 3' LONG.
15-19	REFER TO FIG. 3010.101 AND FIG. 3010.104 FOR TRENCH BEDDING AND BACKFILL ZONE DETAILS. GRANULAR PIPE BEDDING SHALL BE CONSIDERED INCIDENTAL. REFER TO FIG. 5010.101 FOR THRUST BLOCK DETAILS. REFER TO FIG. 5010.102 FOR TRACER SYSTEM DETAILS. ALL FITTINGS, POLYETHYLENE WRAP, THRUST BLOCKS, AND TRACER WIRE SYSTEM SHALL BE CONSIDERED INCIDENTAL.
18-19	REFER TO DETAIL ON SHEET 2 AND FIG. 5020.201 - FIRE HYDRANT ASSEMBLY FOR FIRE HYDRANT CONSTRUCTION DETAILS. INCLUDES ANCHORING TEE, ANCHORING ELBOW, GATE VALVE, VALVE BOX, ANCHORING PIPE, ANCHORING COUPLING, ELBOWS, STORZ FITTINGS, POLYETHYLENE WRAP, THRUST BLOCK AND TRACER WIRE SYSTEM AND FIRE HYDRANT.
20	REFER TO FIG. 6010.301 - CIRCULAR SANITARY SEWER MANHOLE (SW-301) FOR CONSTRUCTION DETAILS. CASTINGS IN PAVEMENT SHALL BE TYPE B RING AND COVER. WHEN CASTINGS ARE NOT IN PAVEMENT, INSTALL MANHOLE CONE SECTION, MANHOLE STEPS, AND RING/COVER CASTING SUCH THAT SEPARATION IS MAINTAINED BETWEEN MANHOLE COVERS AND PAVED AREAS (BACK OF CURB, SIDEWALK PAVEMENT, SIDEWALK APPROACHES/RAMPS). ALL SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED.
21-22	REFER TO FIG. 6010.401 - CIRCULAR STORM SEWER MANHOLE (SW-401) FOR CONSTRUCTION DETAILS.
23	REFER TO FIG. 4040.232 - SUBDRAIN CLEANOUTS FOR CONSTRUCTION DETAILS.

 CIVIL DESIGN ADVANTAGE	3405 S.E. CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 PHONE: (515) 369-4400 FAX: (515) 369-4410		
	ENGINEER: EKO		EI: JUN
	REVISIONS		
	FINAL SUBMITTAL	DATE	02/26/05
	FIFTH SUBMITTAL	DATE	12/23/04
	FOURTH SUBMITTAL	DATE	12/17/04
THIRD SUBMITTAL			11/11/04
SECOND SUBMITTAL			10/24/04
FIRST SUBMITTAL			09/09/04

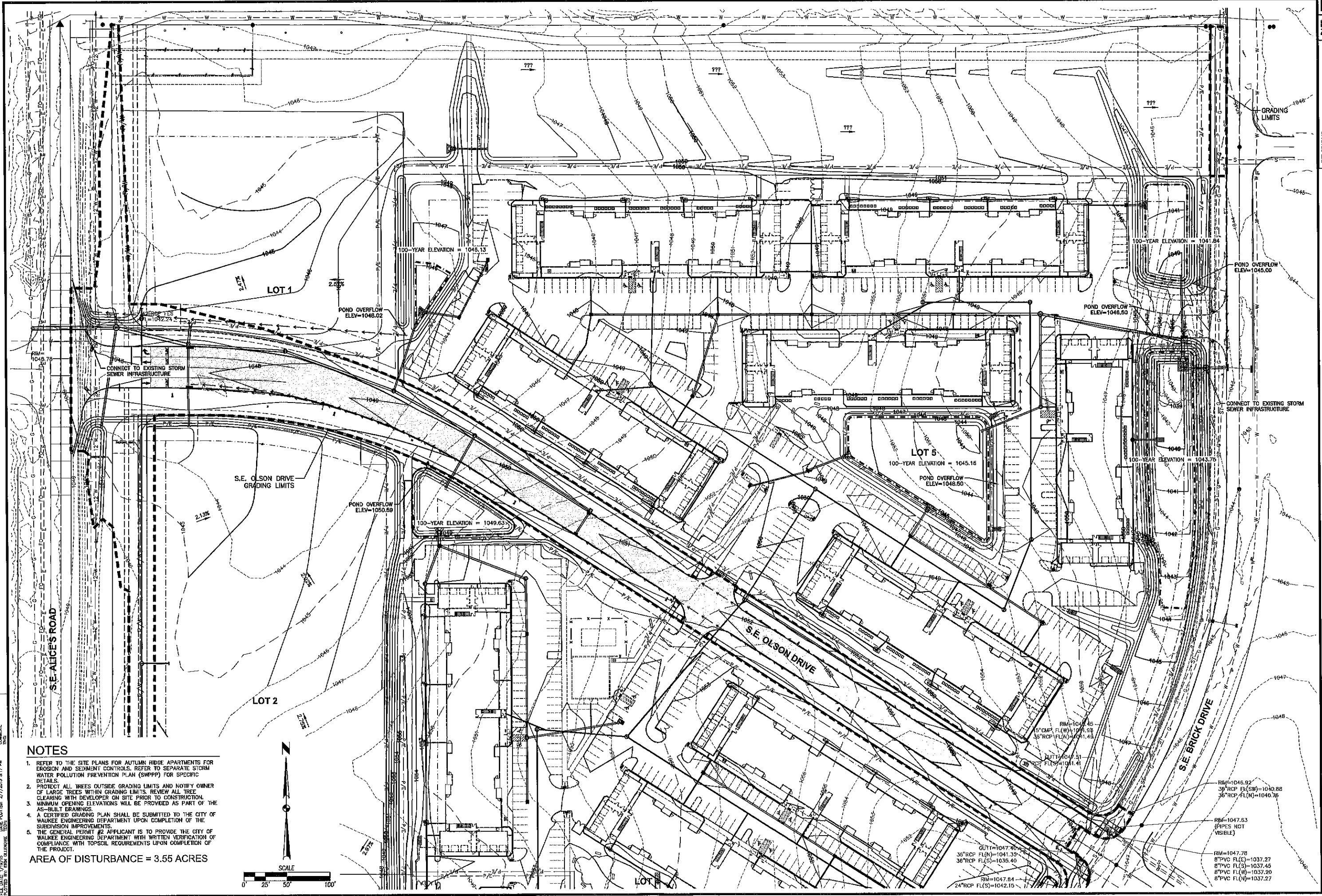
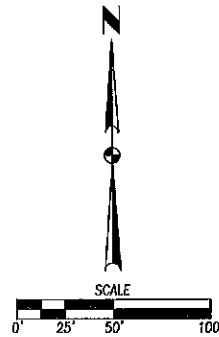
24. IN THE EVENT OF A DISCREPANCY BETWEEN DETAILED PLANS AND QUANTITIES, THE DETAILED PLANS SHALL GOVERN.
25. ALL FIELD TILES ENCOUNTERED SHALL BE REPAIRED AND CONNECTED TO STORM SEWERS WHERE POSSIBLE. LOCATIONS SHALL BE PROVIDED TO THE ENGINEER FOR NOTATION ON AS-BUILTS.
26. ALL CONSTRUCTION STAKING TO BE COMPLETED UNDER THE DIRECTION OF A LICENSED ENGINEER OR LAND SURVEYOR. ALL CURB DROP AND SIDEWALK/SHARED USE PATH SHALL ALSO BE STAKED UNDER THE DIRECTION OF A LICENSED ENGINEER OR LAND SURVEYOR.
27. THE CONTRACTOR SHALL SUBMIT A LIST OF CONSTRUCTION MATERIALS TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
28. THE GENERAL PERMIT #2 HOLDER SHALL SUBMIT WRITTEN VERIFICATION THAT A MINIMUM TOPSOIL DEPTH OF 6" WAS SPREAD ACROSS ALL LOTS AND RIGHT-OF-WAYS WITHIN THE PLAT.
29. A GEOTECHNICAL ENGINEER SHALL BE ONSITE DURING CONSTRUCTION AND FOR PROOF ROLL TO INSPECT SOILS.
30. THE CONTRACTOR SHALL COORDINATE ALL EXISTING PUBLIC UTILITY CONNECTIONS WITH THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
31. ALL TESTING SHALL BE COMPLETED ACCORDING TO THE CITY OF WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND THE WAUKEE ENGINEERING DEPARTMENT SHALL BE PRESENT TO WITNESS ALL TESTING.
32. AS-BUILTS SHALL BE PROVIDED TO THE WAUKEE ENGINEERING DEPARTMENT INCLUDING ALL UTILITIES AND AS-BUILT GRADES FOR DRAINAGE SWALES, OVERFLOWS, ACCESSIBLE RAMPS AND DETENTION FACILITIES. THE CONTRACTOR SHALL PROVIDE INFORMATION TO THE DESIGN ENGINEER FOR INCLUSION ON THE RECORD AS-BUILT DRAWINGS.
33. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING AND TELEVISIONING ALL STORM AND SANITARY SEWERS. ALL CLEANING AND TELEVISIONING SHALL BE APPROVED BY THE CITY OF WAUKEE ENGINEERING DEPARTMENT PRIOR TO PAVING. A COPY OF THE VIDEOS SHALL BE PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
34. ALL FIRE HYDRANTS INCLUDING ANY RELOCATED HYDRANTS SHALL HAVE STORZ FITTINGS.
35. ALL PROPOSED PEDESTRIAN CROSSINGS SHALL BE INSTALLED AS PART OF THE PLAT IMPROVEMENTS.
36. ALL CONNECTIONS TO EXISTING MANHOLES ARE TO BE CORE DRILLED AND USE A LINK SEAL.
37. ANY EXISTING ESTABLISHED YARDS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE SODED AND MAINTAINED PER WAUKEE STANDARD SPECIFICATIONS.

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DRAWN BY: J. J. J.

NOTES

1. REFER TO THE SITE PLANS FOR AUTUMN RIDGE APARTMENTS FOR EROSION AND SEDIMENT CONTROLS. REFER TO SEPARATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR SPECIFIC DETAILS.
2. PROTECT ALL TREES OUTSIDE GRADING LIMITS AND NOTIFY OWNER OF LARGE TREES WITHIN GRADING LIMITS. REVIEW ALL TREE CLEARING WITH DEVELOPER ON SITE PRIOR TO CONSTRUCTION.
3. MINIMUM OPENING ELEVATIONS WILL BE PROVIDED AS PART OF THE AS-BUILT DRAWINGS.
4. A CERTIFIED GRADING PLAN SHALL BE SUBMITTED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT UPON COMPLETION OF THE SUBDIVISION IMPROVEMENTS.
5. THE GENERAL PERMIT #2 APPLICANT IS TO PROVIDE THE CITY OF WAUKEE ENGINEERING DEPARTMENT WITH WRITTEN VERIFICATION OF COMPLIANCE WITH TOPSOIL REQUIREMENTS UPON COMPLETION OF THE PROJECT.

AREA OF DISTURBANCE = 3.55 ACRES



AUTUMN RIDGE PLAT 1 GRADING PLAN

5
15

1402.069



WAUKEE, IOWA

ENGINEER: EKO

EI: JJJ

3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410

REVISIONS	DATE
FINAL SUBMITTAL	02/09/15
FIFTH SUBMITTAL	12/30/14
FOURTH SUBMITTAL	12/17/14
THIRD SUBMITTAL	11/17/14
SECOND SUBMITTAL	10/24/14
FIRST SUBMITTAL	09/29/14

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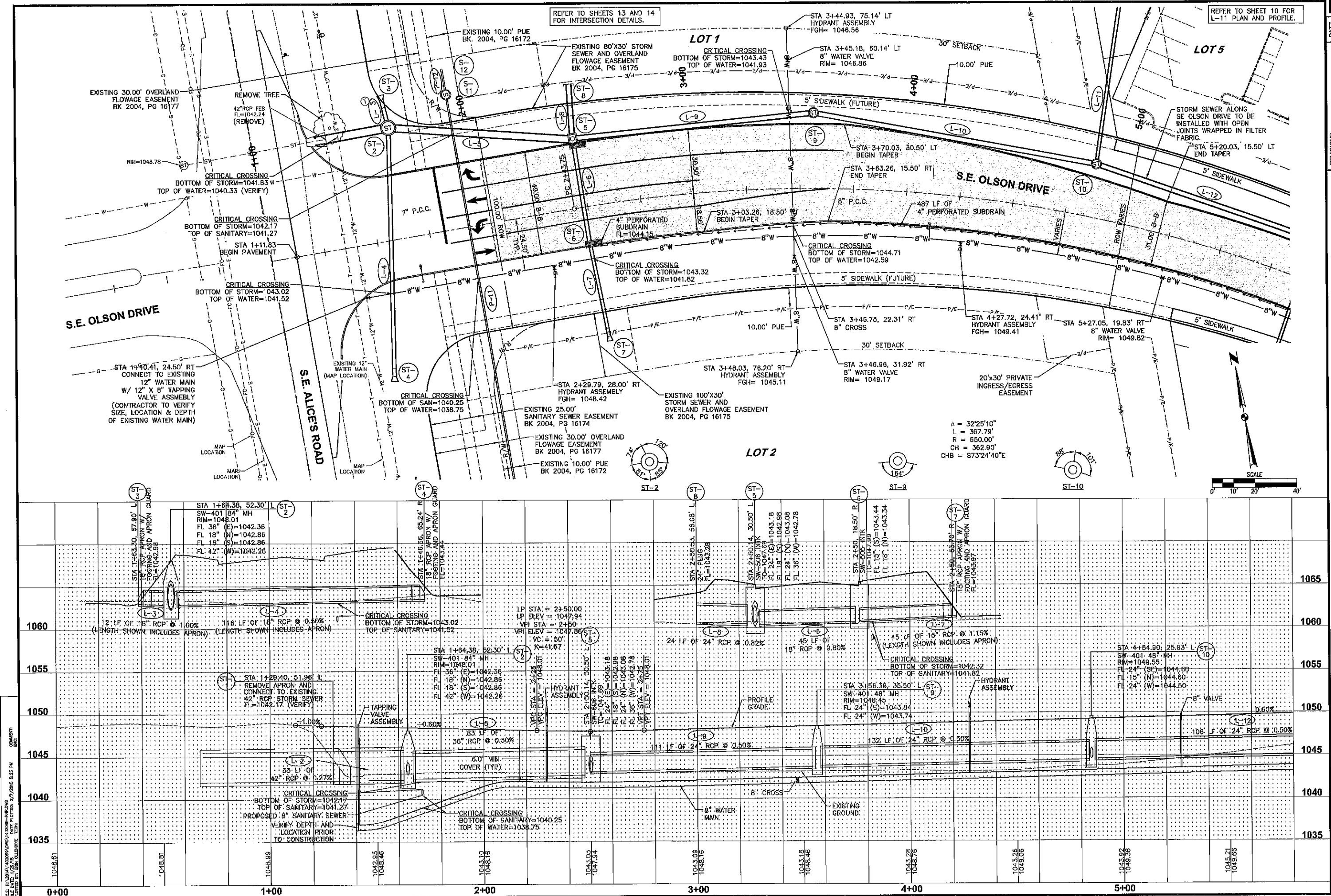
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FIFTH SUBMITTAL	12/30/14
FOURTH SUBMITTAL	12/11/14
THIRD SUBMITTAL	11/11/14
SECOND SUBMITTAL	10/24/14
FIRST SUBMITTAL	09/08/14

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GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410
ENGINEER: EKO
EI: JJJ

CIVIL DESIGN ADVANTAGE

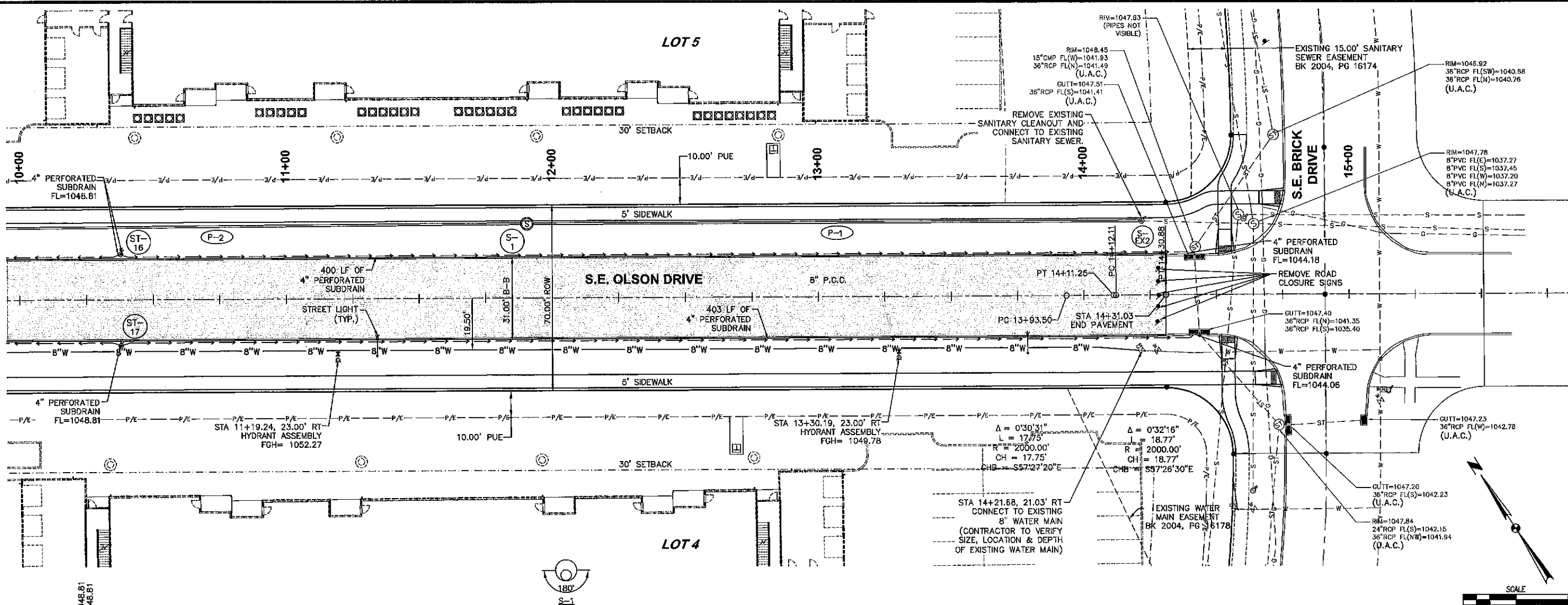
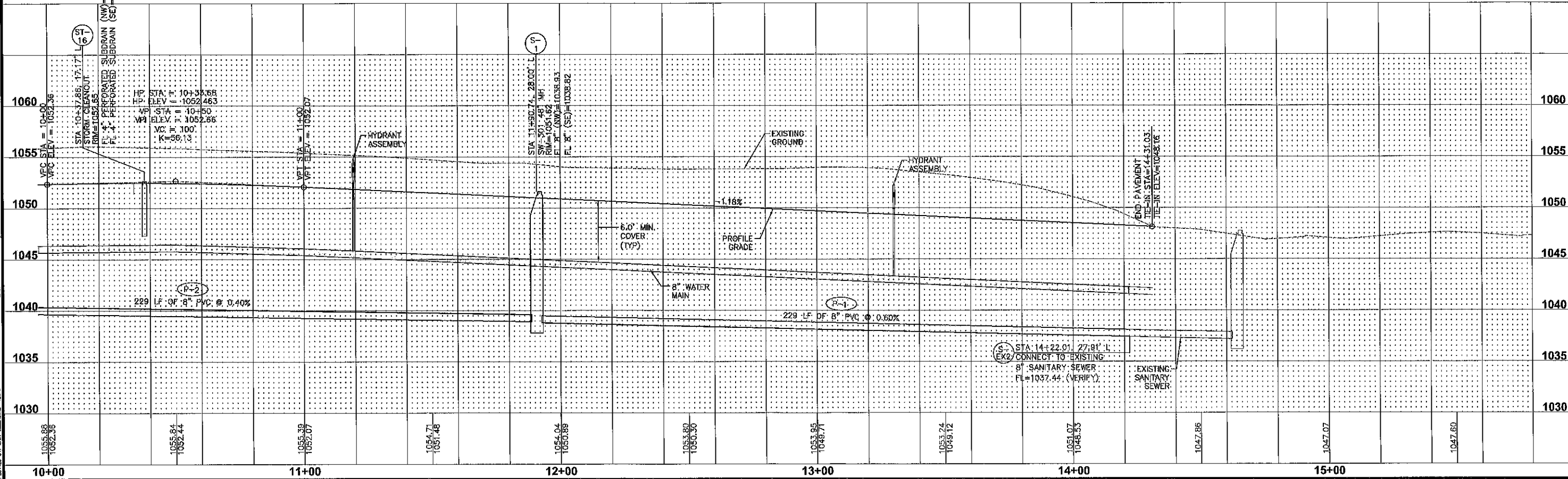
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GRADING PLAN

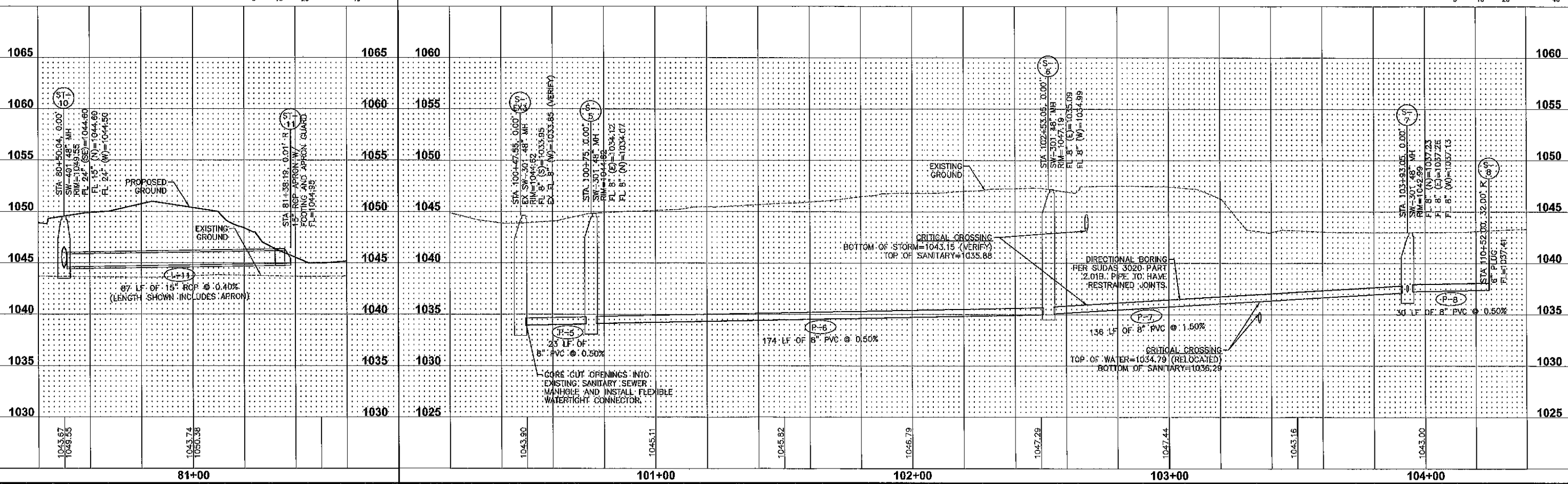
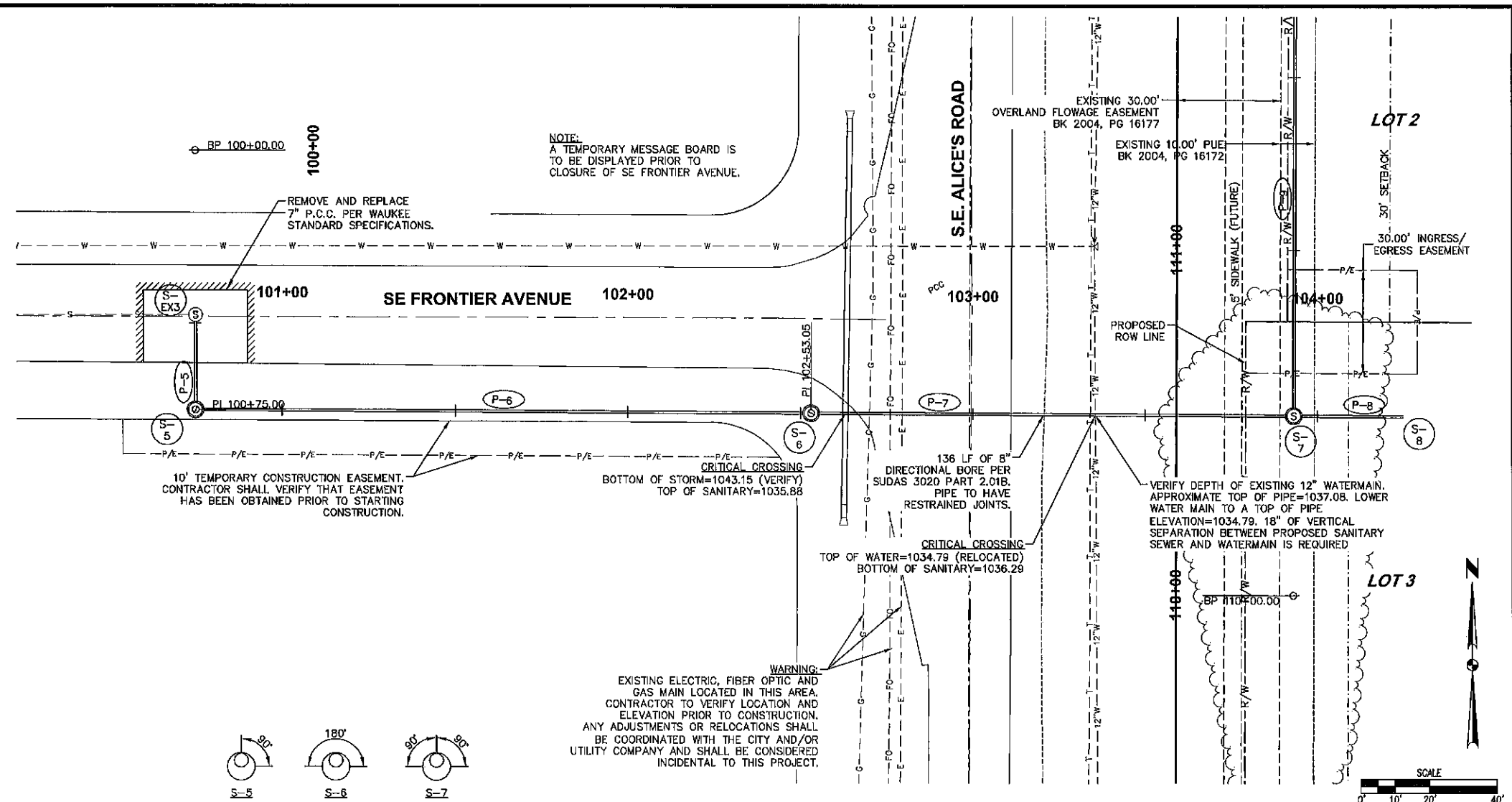
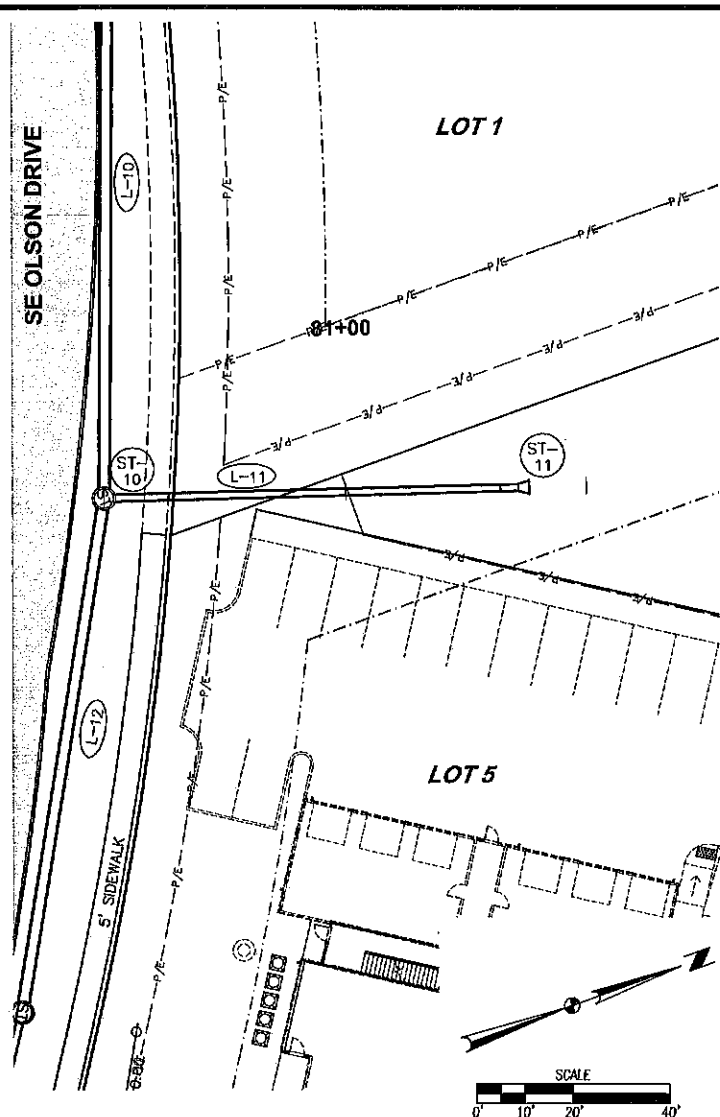
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CHECKED BY: JRM
COURTESY: EKS





DATE: 02/09/15
 FINAL SUBMITTAL: 12/29/14
 FOURTH SUBMITTAL: 12/17/14
 SECOND SUBMITTAL: 11/11/14
 FIRST SUBMITTAL: 10/24/14

3405 S.E. CROSSROADS DRIVE, SUITE G
 GRIMES, IOWA 50111
 PHONE: (515) 369-4400 FAX: (515) 369-4410

ENGINEER: EKO
 EI: JUN

E&A

CIVIL DESIGN ADVANTAGE

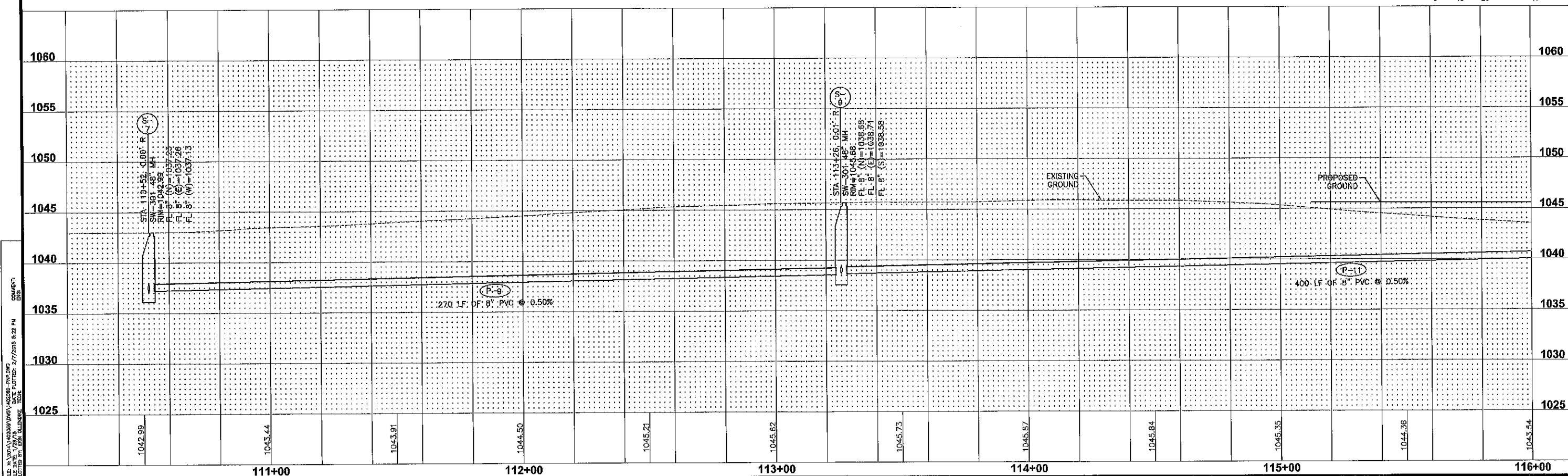
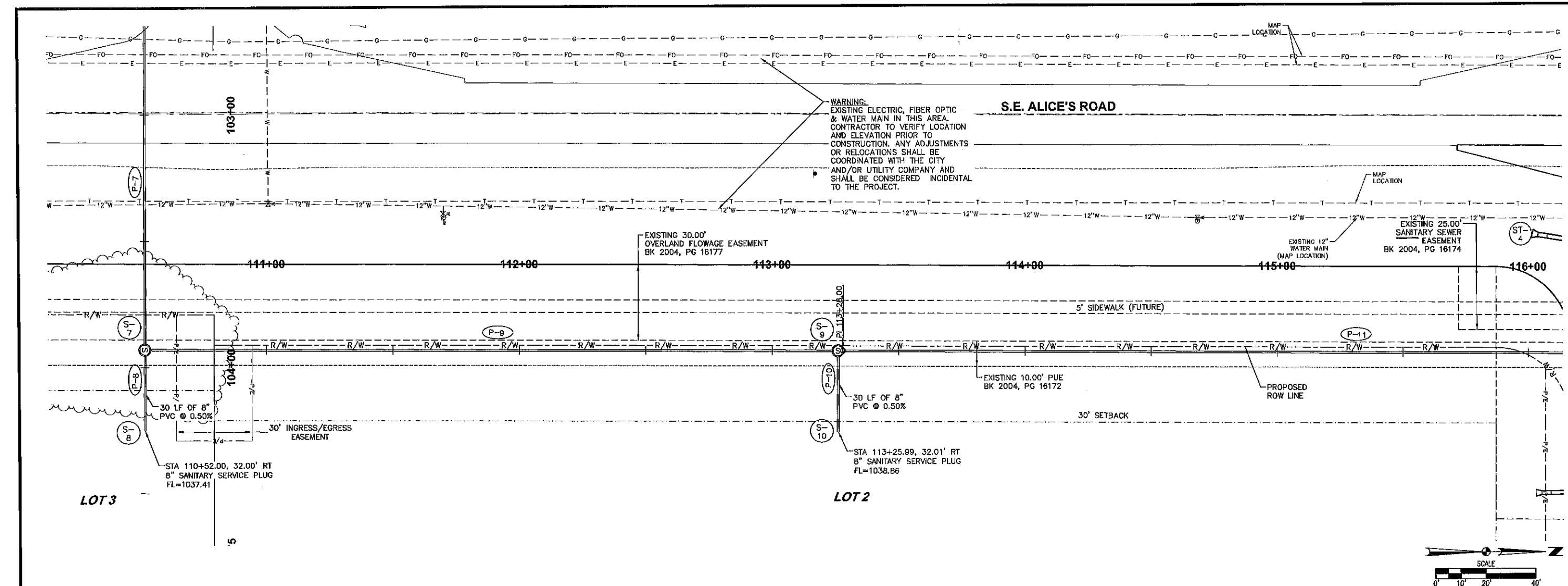
WAUKEE, IOWA

AUTUMN RIDGE PLAT 1

PLAN AND PROFILE

10/15

1402.069



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 COMMENTS:

REVISIONS		DATE	
FINAL SUBMITTAL	02/06/15	DATE	
FIFTH SUBMITTAL	12/30/14	DATE	
FOURTH SUBMITTAL	12/11/14	DATE	
THIRD SUBMITTAL	11/11/14	DATE	
SECOND SUBMITTAL	10/24/14	DATE	
FIRST SUBMITTAL	09/03/14	DATE	

3405 S.E. CROSSROADS DRIVE, SUITE G
 GRIMES, IOWA 50111
 PHONE: (515) 369-4400 FAX: (515) 369-4410
 ENGINEER: EKO
 E.I.: J.JN



CIVIL DESIGN ADVANTAGE

WAUKEE, IOWA

AUTUMN RIDGE PLAT 1
PLAN AND PROFILE

11/15

1402.069

FILE: H:\2014\1402069.DWG DATE PLOTTED: 7/7/2015 5:22 PM
COMMENTS:
DATE: 7/8/15
DRAWN BY: EKO
CHECKED BY: EKO

