

CRITICAL CROSSINGS NOTES:

1. TOP OF SEWER MAIN SHALL BE AT LEAST 18 INCHES BELOW BOTTOM OF WATER MAIN
2. THE SEWER IS PLACED IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH AT A MINIMUM HORIZONTAL SEPARATION OF 3 FEET FROM THE WATER MAIN
3. WHEN IT IS IMPOSSIBLE TO OBTAIN THE REQUIRED HORIZONTAL CLEARANCE OF 3 FEET AND A VERTICAL CLEARANCE OF 18 INCHES BETWEEN SEWERS AND WATER MAINS, THE SEWERS MUST BE CONSTRUCTED TO MEET THE REQUIREMENTS OF SUDAS SPECIFICATIONS SECTION 5010, 2.01. HOWEVER PROVIDE A LINEAR SEPARATION OF AT LEAST 2 FEET.
4. ALL STORM & SANITARY SEWER CROSSINGS ABOVE THE WATER MAIN WILL NEED TO INSTALL O-RING JOINT PIPE FOR 20' CENTERED OVER THE WATER MAIN. SEWER CROSSINGS MAY ALSO FOLLOW THE IONR WATER SUPPLY ENGINEERING SECTION ALTERNATIVE SOLUTIONS TO MEETING REQUIREMENTS FOUND IN SUBPARAGRAPH 561 IAC 43.3(2) 'A' (3).

SCALE: 1"=50'
 1" = 50' PRINTED ON 22"x34" SHEET
 1" = 100' PRINTED ON 11"x17" SHEET



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 515.276.4884, Fax: 515.276.7084, mail@cecinc.com

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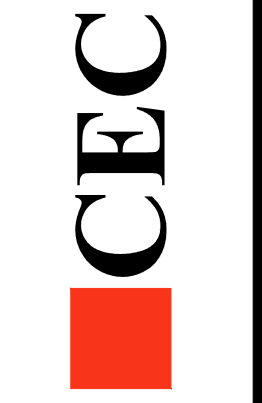
DATE:	REVISIONS	COMMENTS
JULY 19, 2019	1	08-16-2019
AS-BUILTS JULY 19, 2019	2	08-30-2019
	3	04-10-2019
	4	04-25-2019
	5	04-10-2019
	6	

DATE OF SURVEY: JFO
 DESIGNED BY: JFO
 DRAWN BY: MEH

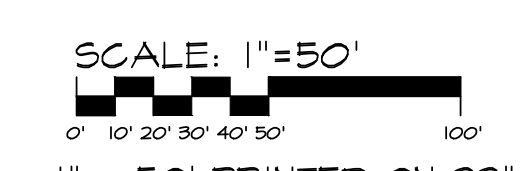
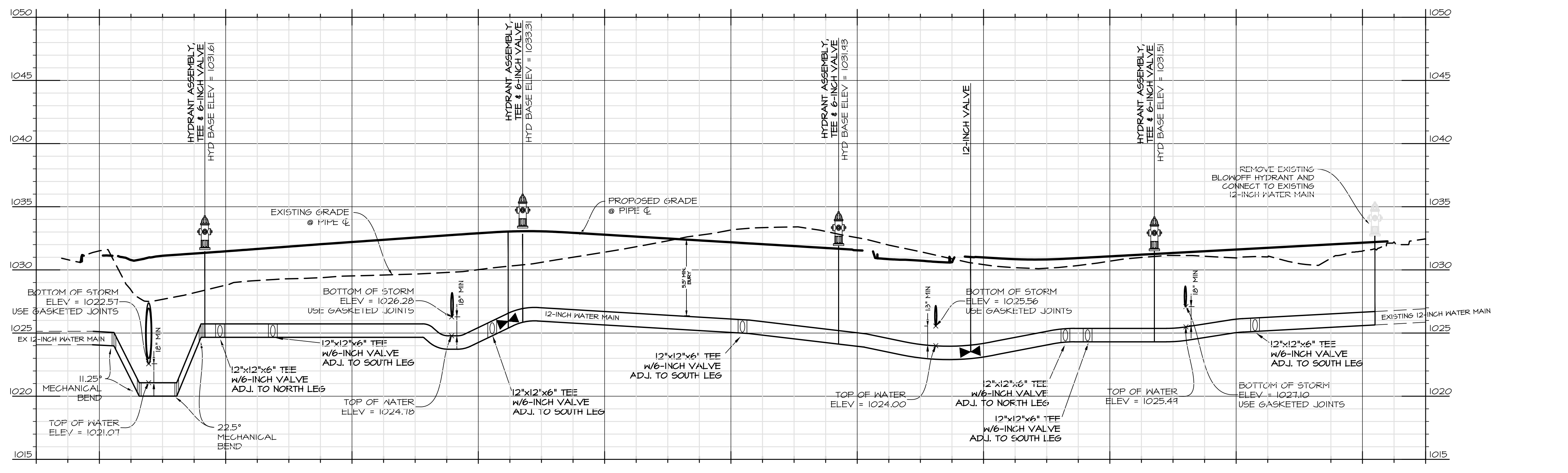
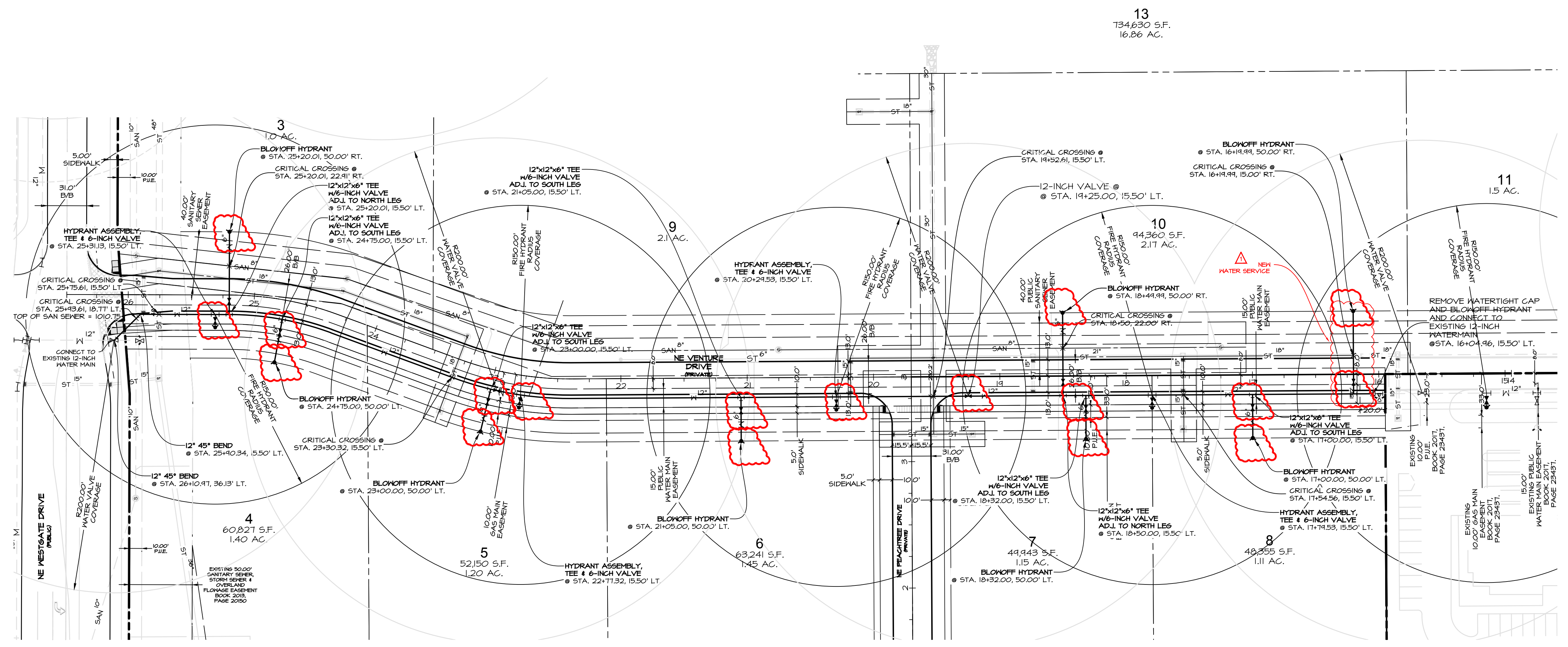
PRAIRIE CROSSING FLAT 7
 WAUKEE, IOWA

STORM SEWER PLAN & PROFILE - EAST

SHEET 03 OF 13
 E-7964

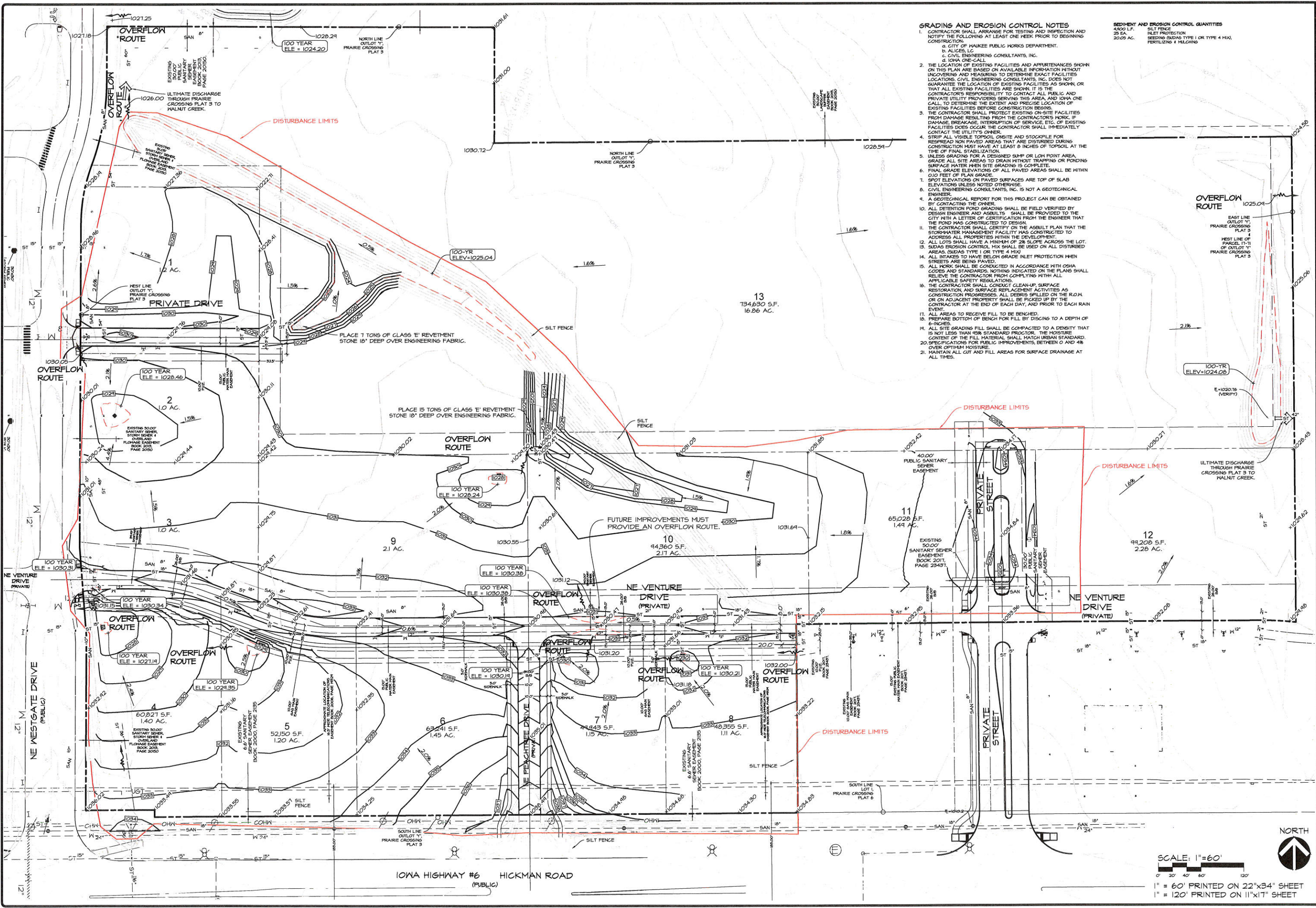


DATE:	REVISIONS	COMMENTS
JULY 18, 2018	1	08-16-2018
AS-BUILTS JULY 19, 2019	2	08-30-2018
	3	08-10-2018
	4	04-10-2018
	5	04-25-2018
	6	04-10-2019 SAN & WATER SVCS



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- GRADING AND EROSION CONTROL NOTES**
- CONTRACTOR SHALL ARRANGE FOR TESTING AND INSPECTION AND NOTIFY THE FOLLOWING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION:
 - CITY OF WAUKEE PUBLIC WORKS DEPARTMENT.
 - ALICES, LC
 - CIVIL ENGINEERING CONSULTANTS, INC.
 - ICMA 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 REUSE. STRIP ALL VISIBLE AREAS THAT ARE DISTURBED DURING CONSTRUCTION MUST HAVE AT LEAST 6 INCHES OF TOPSOIL AT THE TIME OF FINAL STABILIZATION.
 - UNLESS GRADING FOR A DESIGNED SWAMP 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.
 - 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.
 - 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 HAS BEEN 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 (SUDAS TYPE 1 OR TYPE 4 MIX)
 - ALL INTAKES TO HAVE BELOW GRADE INLET PROTECTION WHEN STREETS ARE BEING PAVED.
 - ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE PLANS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ALL APPLICABLE SAFETY REGULATIONS.
 - THE CONTRACTOR SHALL CONDUCT CLEAN-UP, SURFACE RESTORATION, AND SURFACE REPLACEMENT ACTIVITIES AS CONSTRUCTION PROGRESSES. ALL DEBRIS SPILLED ON THE R.O.W. OR ON ADJACENT PROPERTY SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH DAY, AND PRIOR TO EACH RAIN EVENT.
 - ALL AREAS TO RECEIVE FILL TO BE BENCHED.
 - PREPARE BOTTOM OF BENCH FOR FILL BY DISCS TO A DEPTH OF 6-INCHES.
 - ALL SITE GRADING FILL SHALL BE COMPACTED TO A DENSITY THAT IS NOT LESS THAN 95% STANDARD PROCTOR. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL MATCH URBAN STANDARD.
 - SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, BETWEEN 0 AND 4% OVER OPTIMUM MOISTURE.
 - MAINTAIN ALL GUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES.

SEDIMENT AND EROSION CONTROL QUANTITIES
 4000 L.F. SILT FENCE
 25 EA. INLET PROTECTION
 20000 AC. SEEDING (RADA TYPE 1 OR TYPE 4 MIX)
 FERTILIZING 4 MUGS/AC

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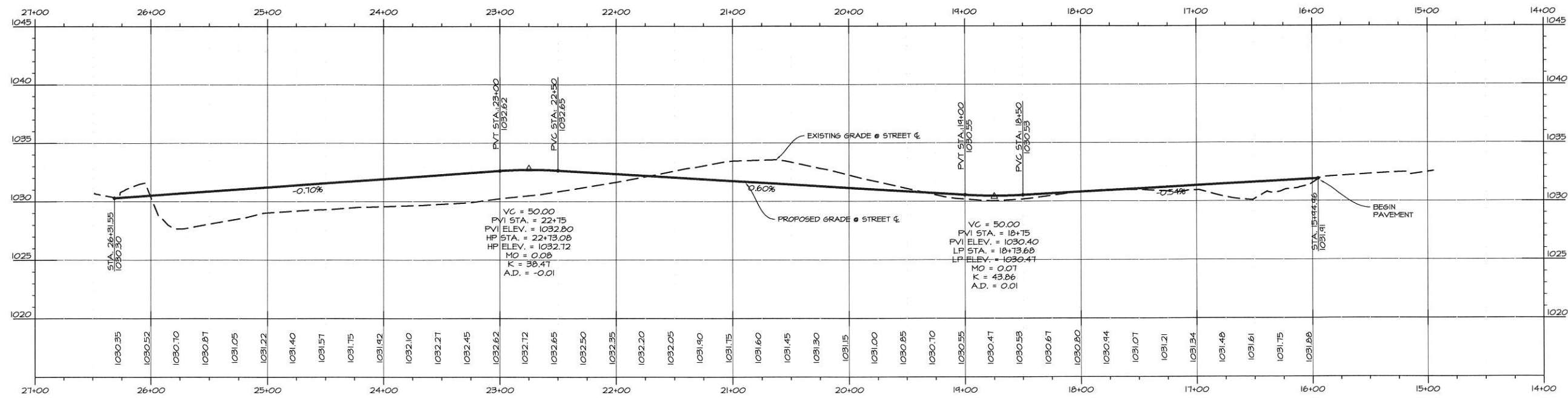
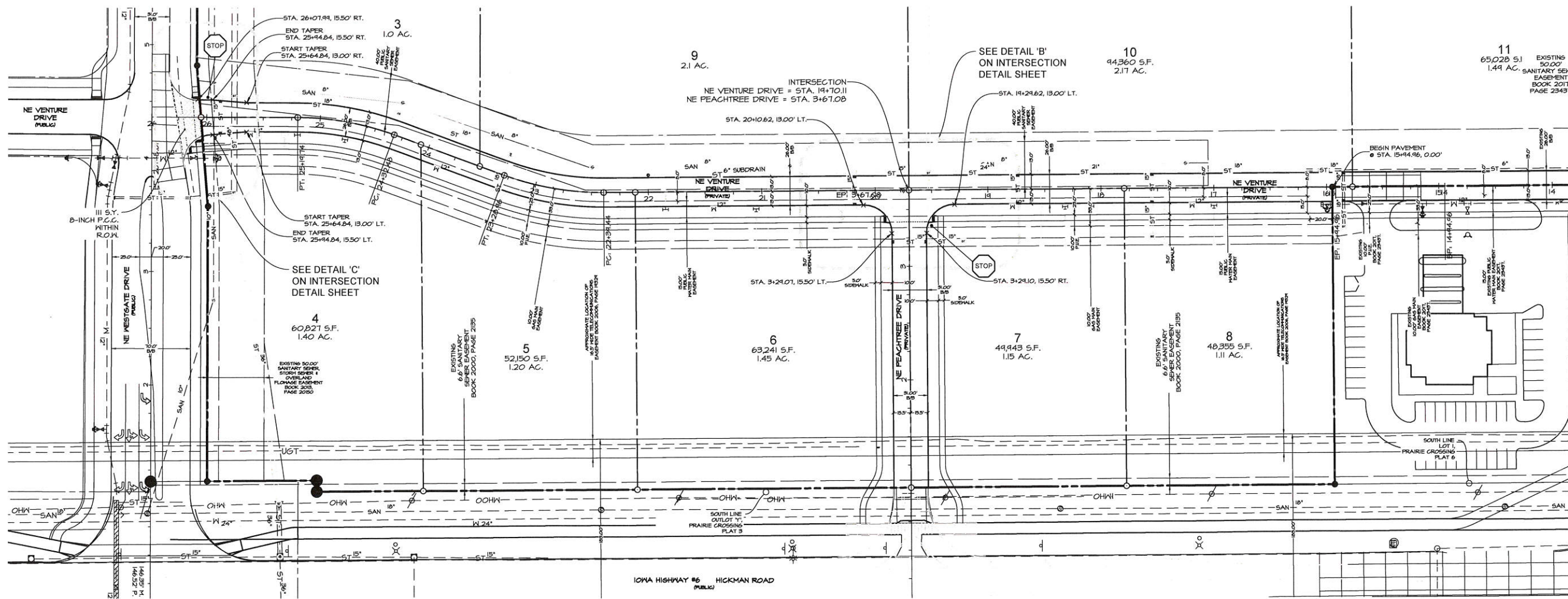


DATE:	REVISIONS	COMMENTS
JULY 18, 2018	1	08-16-2018
	2	08-30-2018
	3	09-10-2018
	4	09-25-2018
	5	
	6	

DATE OF SURVEY: JPO
 DESIGNED BY: MEH
 DRAWN BY: MEH

PRAIRIE CROSSING PLAT 7
 WAUKEE, IOWA
 GRADING PLAN

SCALE: 1"=60'
 0' 20' 40' 60' 80' 100' 120'
 1" = 60' PRINTED ON 22"x34" SHEET
 1" = 120' PRINTED ON 11"x17" SHEET



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

1" = 50' PRINTED ON 22"x34" SHEET
 1" = 100' PRINTED ON 11"x17" SHEET



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DATE OF SURVEY: _____
 DESIGNED BY: _____
 DRAWN BY: _____

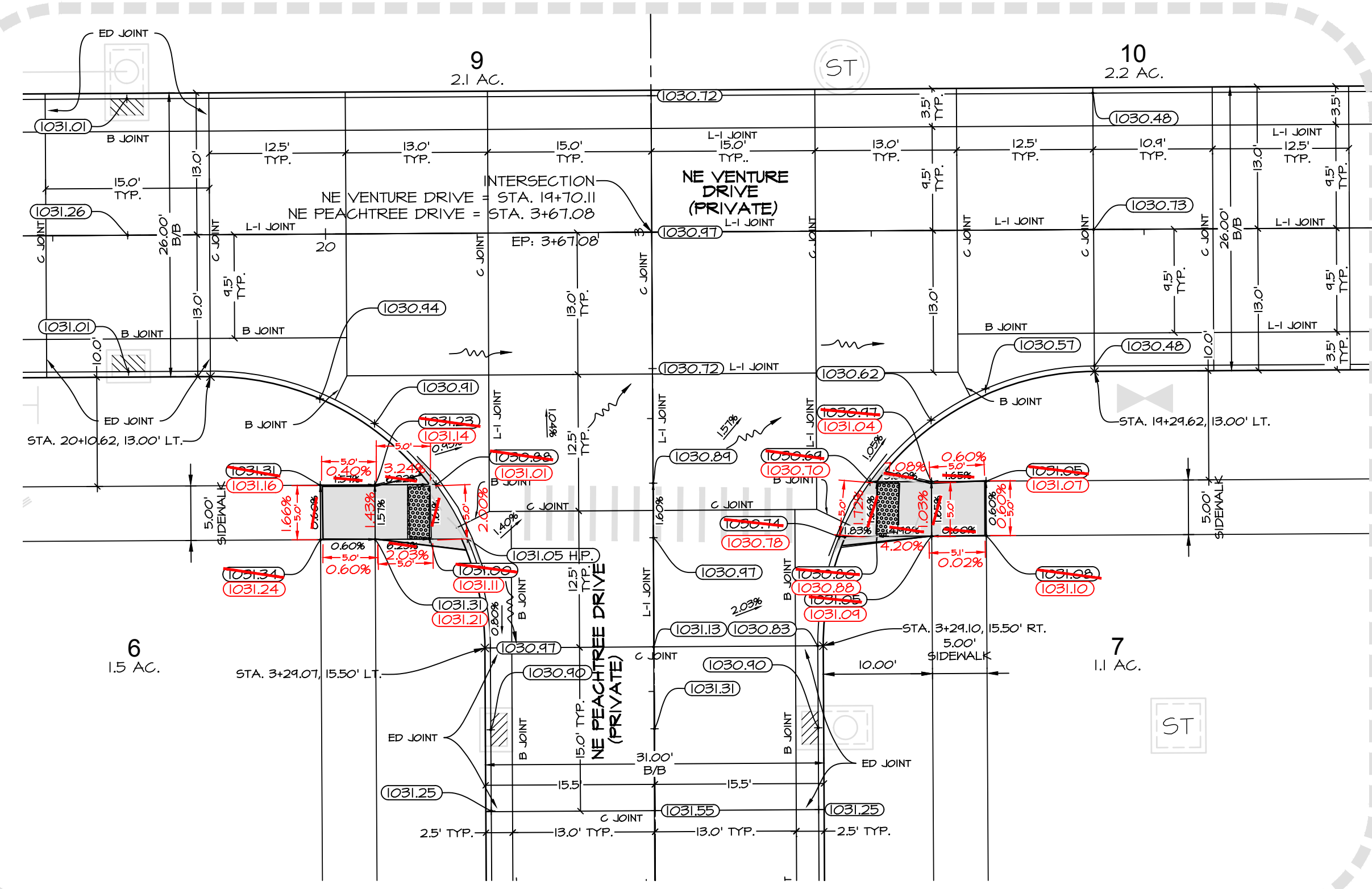
PRAIRIE CROSSING PLAT 7
 WAUKEE, IOWA

PAVING PLAN & PROFILE - NE VENTURE DRIVE

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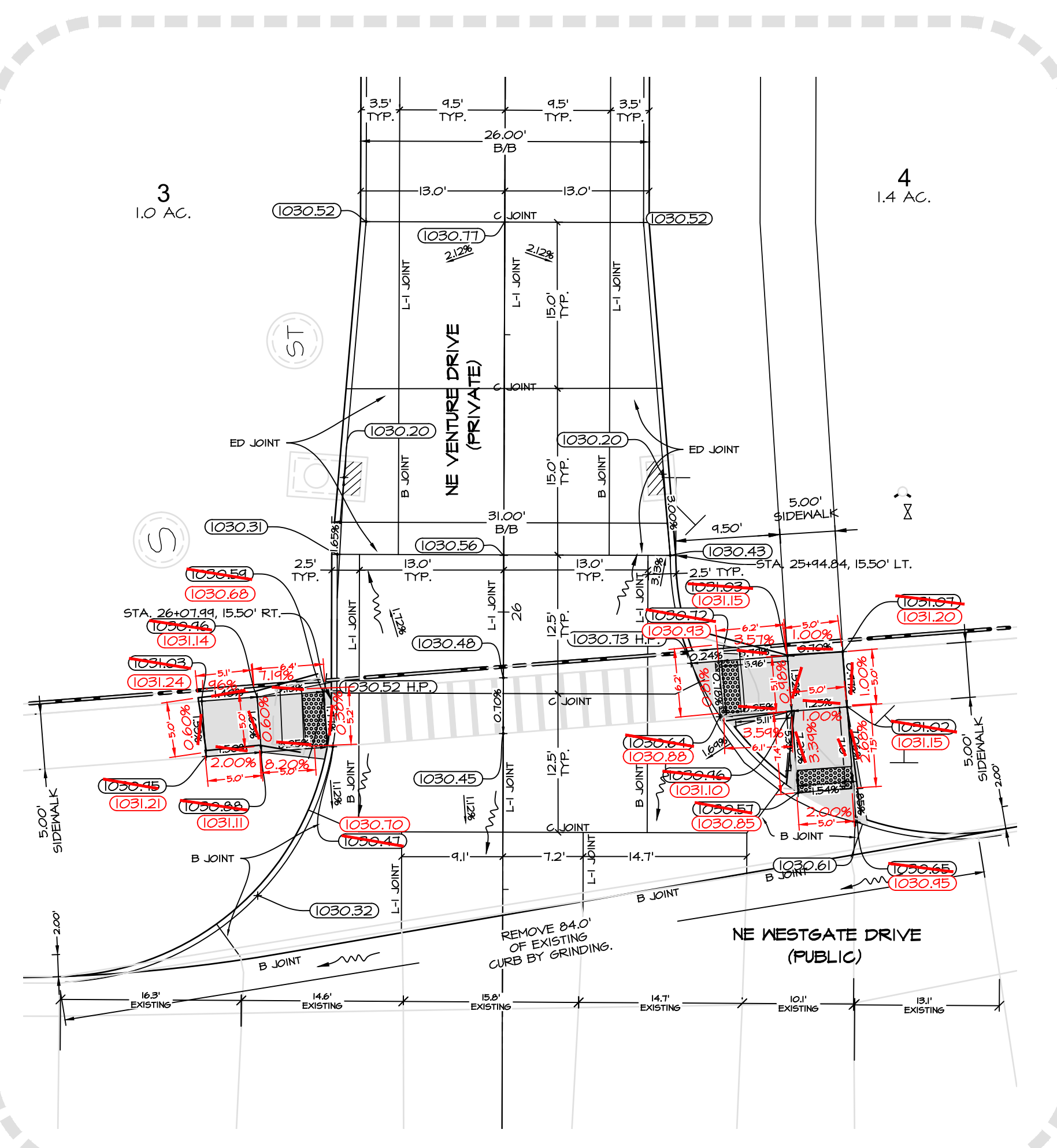
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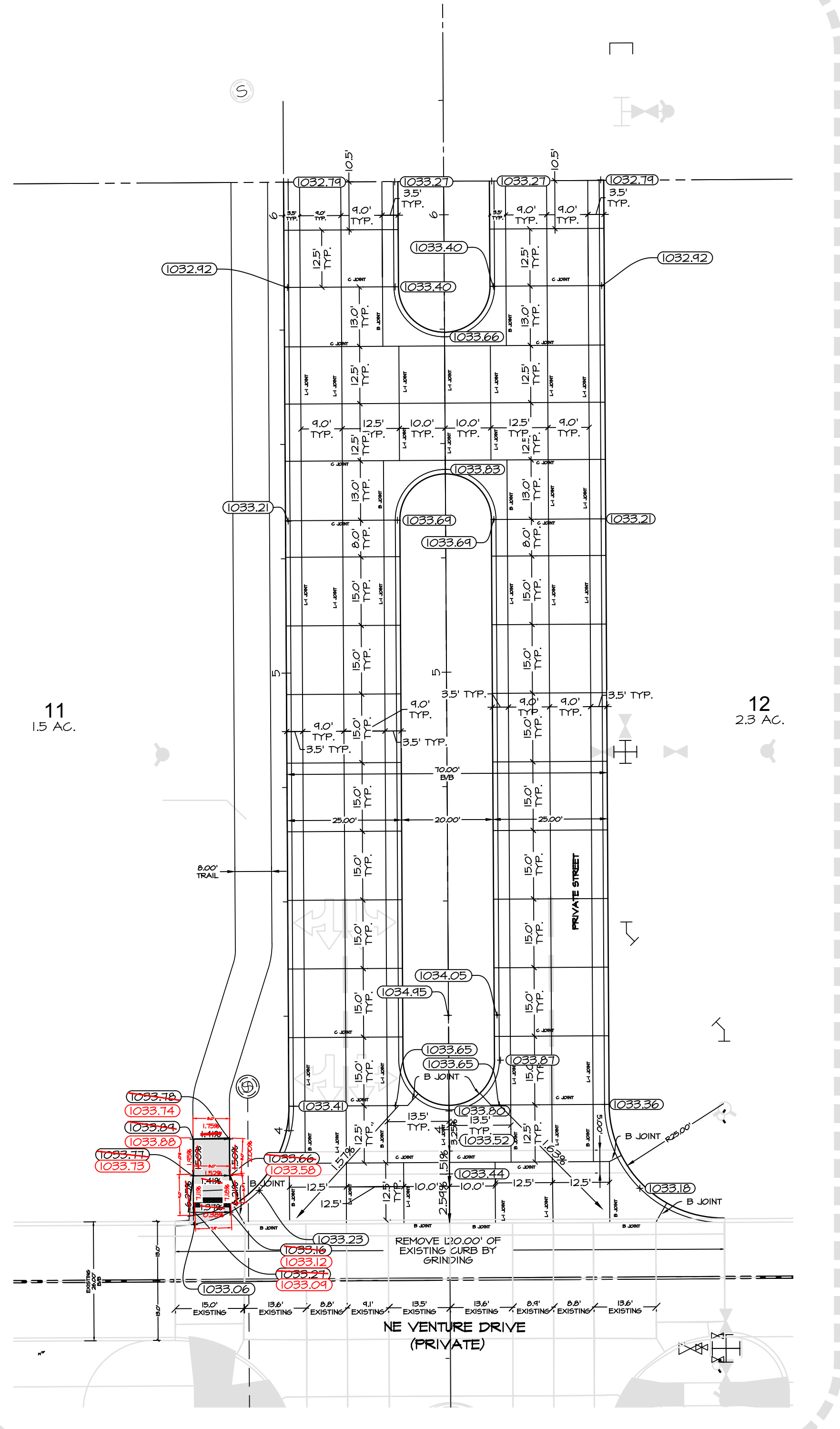
INTERSECTION DETAIL 'B'

SCALE: 1"=10'
ON 22"x34" SHEET
1"=20' ON 11"x17" SHEET



INTERSECTION DETAIL 'C' -
SUDAS TYPE 'A' CONCRETE DRIVEWAY

SCALE: 1"=10'
ON 22"x34" SHEET
1"=20' ON 11"x17" SHEET

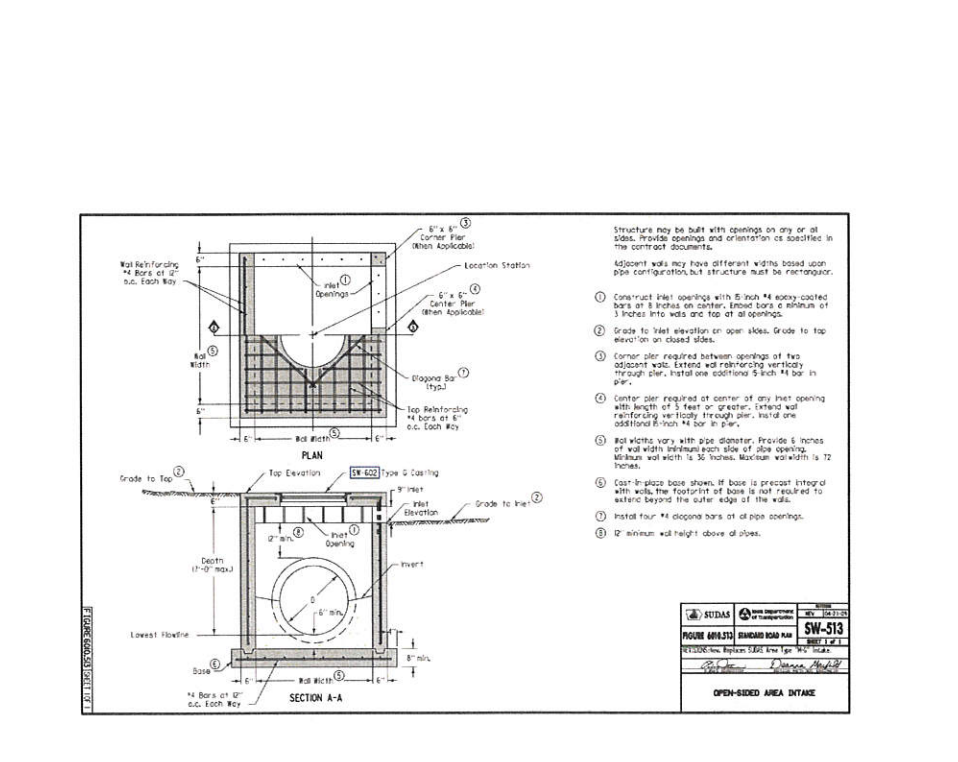
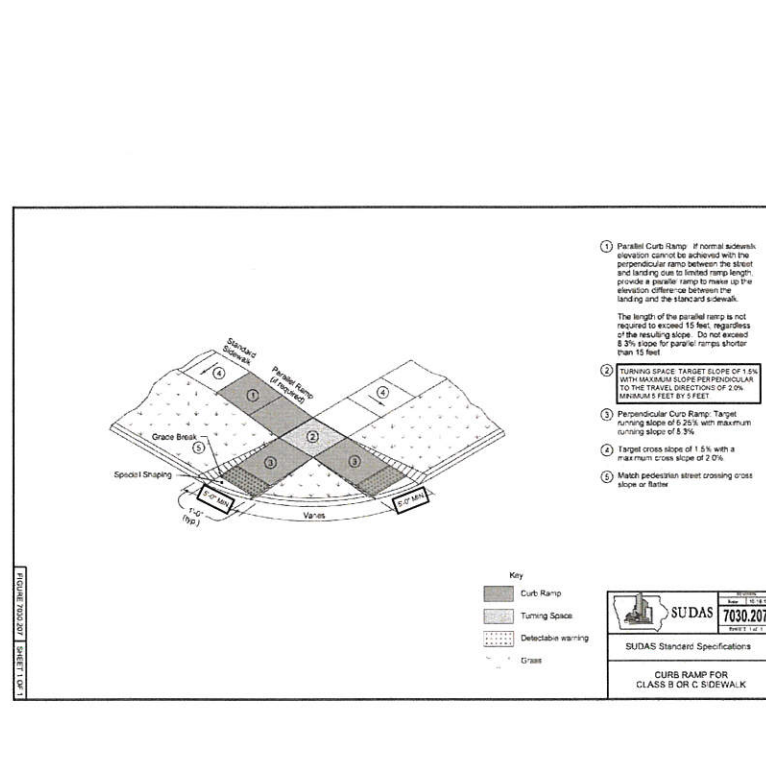
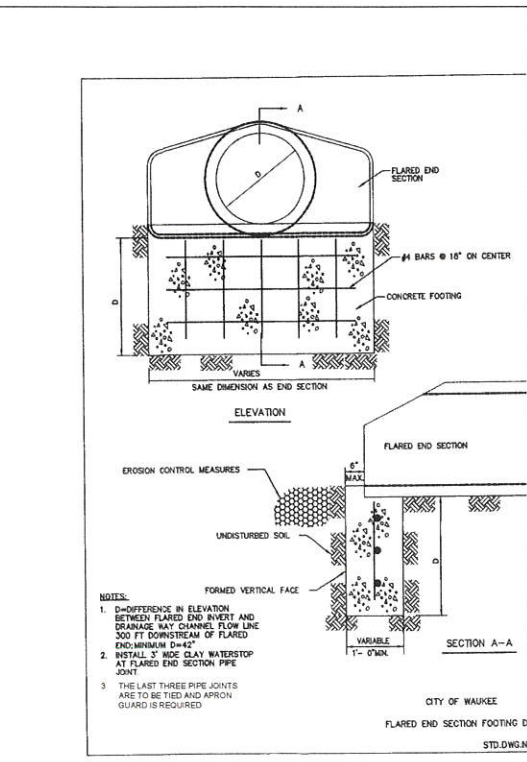
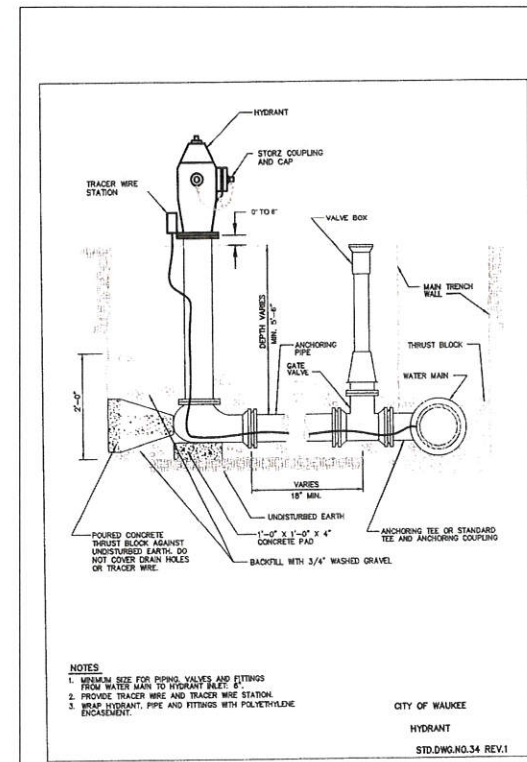
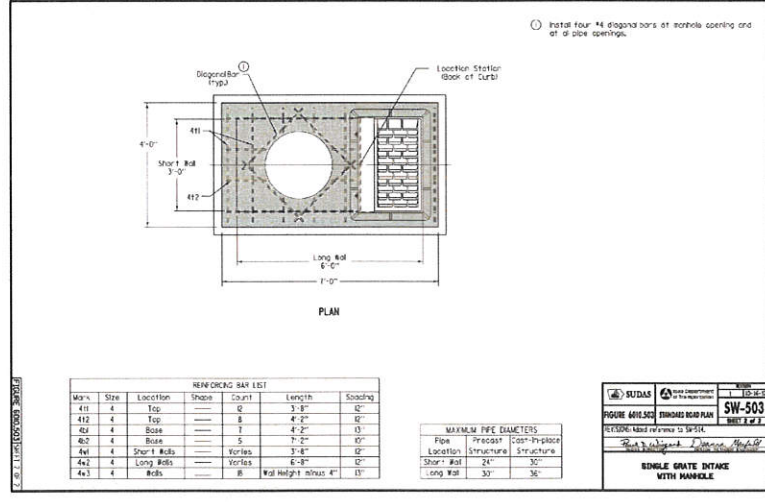
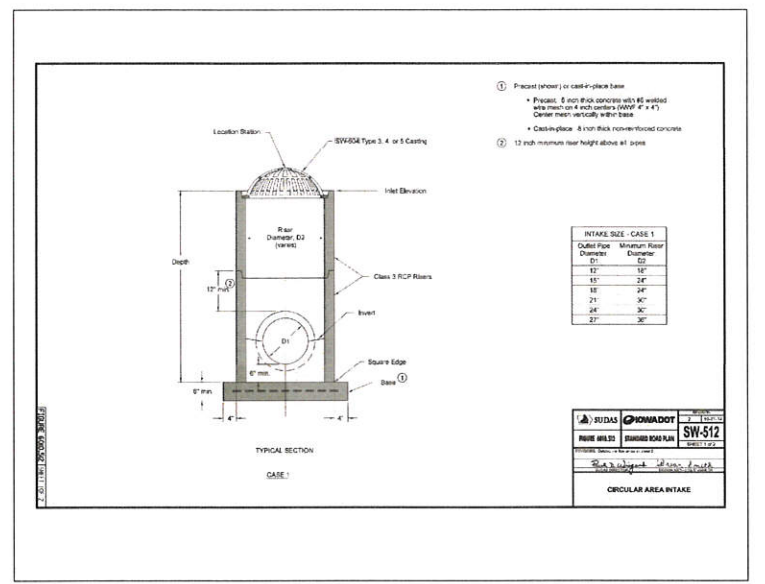
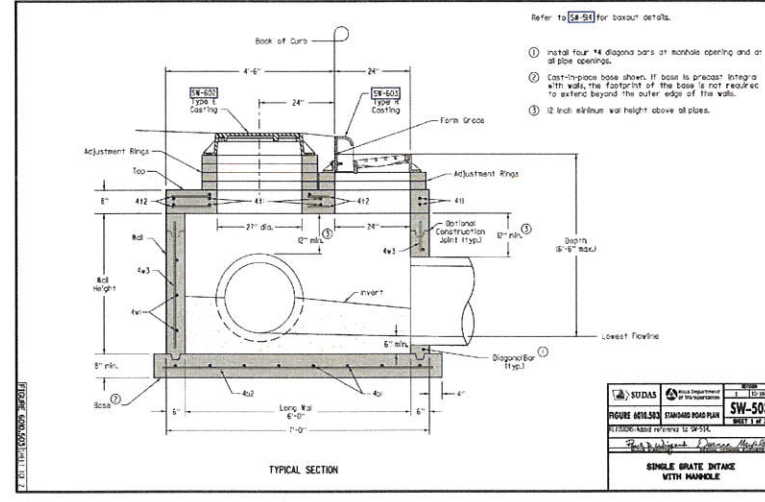
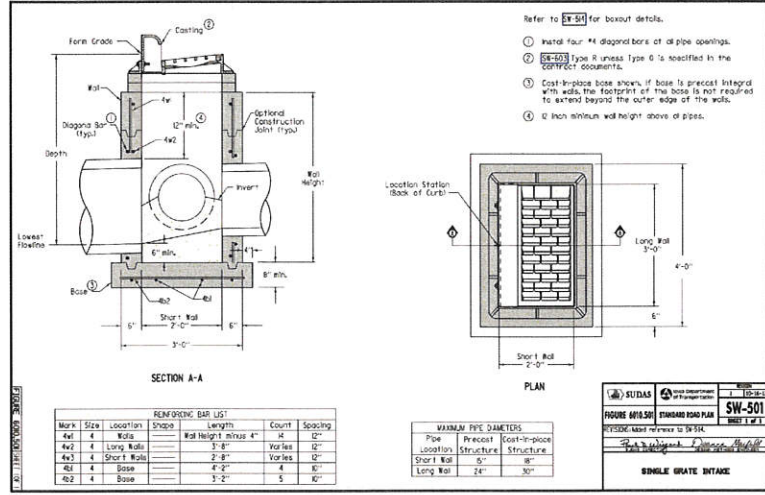
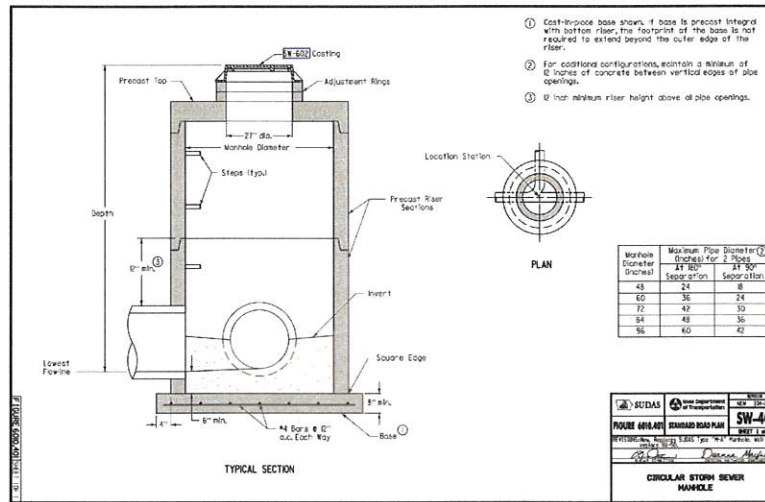
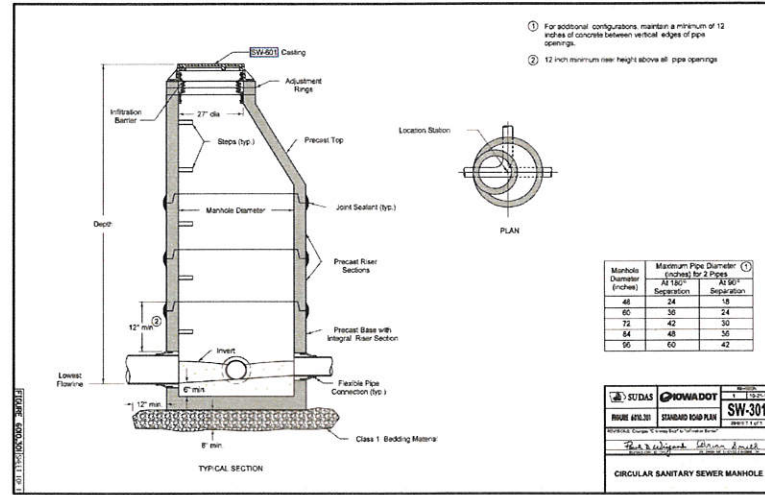
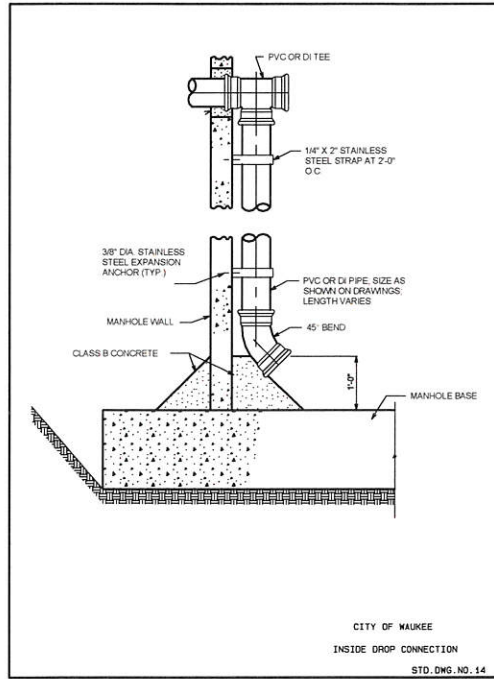


INTERSECTION DETAIL 'A'

SCALE: 1"=20'
ON 22"x34" SHEET
1"=40' ON 11"x17" SHEET

- PRONAG RAMP NOTES:**
1. RAMP SLOPES:
 - 6.25% TARGET
 - 8.33% MAX (ASBUILT)
 2. GROSS SLOPE:
 - 1.5% TARGET
 - 2.0% MAX (ASBUILT)

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GRAHAM WAREHOUSE - ANDERSON SITE		INTERSECTION DETAILS	
DATE:	JULY 18, 2018	REVISIONS	COMMENTS
DATE OF SURVEY:	08-30-2018	1	08-16-2018
DESIGNED BY:	04-10-2018	2	08-30-2018
DRAWN BY:	04-25-2018	3	04-10-2018
	PC	5	04-10-2018
	MEH	6	
SHEET	10		
OF PI			
E-8028			



STORM WATER POLLUTION PREVENTION PLAN

1. SITE DESCRIPTION/APPLICANT/SCHEDULE

- OWNER/APPLICANT: ALICES, L.C.
5000 WESTOWN PARKWAY, SUITE 400 WEST DES MOINES, IOWA 50266
CONTACT: AIMEE STAUDT, PHONE: 515-223-4000, EMAIL: AIMEE.STAUDT@KNAPPPROPERTIES.COM
- LOCATION: PRAIRIE CROSSING PLAT 7 IN THE SE 1/4 OF SECTION 27-T19-R26N.
- NATURE OF CONSTRUCTION ACTIVITY: COMMERCIAL CONSTRUCTION.
- AREAS: TOTAL SITE AREA = 34.37 ACRES
SITE AREA AFFECTED = 20.05 ACRES
- RUNOFF COEFFICIENT = 0.05 (RATIONAL METHOD)
- APPROXIMATE SLOPES ANTICIPATED: 25%, OR FLATTER.
- RUNOFF FROM THIS PROJECT WILL FLOW INTO REGIONAL DETENTION BASIN TO WALNUT CREEK.
- 100 YEAR DISCHARGE FOR DEVELOPED SITE = 127 CFS
- SOILS:
 - * NICOLLET LOAM WITH 1% to 3% SLOPES AND WEBSTER CLAY LOAM, BEMIS MORAIN WITH 0% to 2% SLOPES.
- ESTIMATED DATE WORK IS TO COMMENCE: SEPTEMBER, 2019.
- ESTIMATED DATE WORK IS TO BE COMPLETED: JUNE, 2019.

2. CONTROLS

- EROSION AND SEDIMENT CONTROLS
- STABILIZATION PRACTICES
- EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND STABILIZE DISTURBED AREAS.
- PERMANENT SEEDING (SUDAS TYPE 1 OR TYPE 4) AND/OR SODDING AFTER CONSTRUCTION.
- VEGETATIVE BUFFER STRIPS THROUGHOUT PROJECT.
- PROTECTION OF TREES AND PRESERVATION OF MATURE VEGETATION WHEREVER POSSIBLE.
- STRUCTURAL PRACTICES
- ROCK OUTLET PROTECTION
- SILT FENCES
- DRAINAGE SWALES
- STORM WATER MANAGEMENT
- FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS.
- INFILTRATION OF RUNOFF ON SITE
- VELOCITY DISSIPATION DEVICES AT DISCHARGE LOCATIONS TO PROVIDE NON-EROSIVE VELOCITY FLOWS.
- WASTE DISPOSAL
- ALL MATERIAL WASTES MUST BE REMOVED FROM THE SITE.
- OFF-SITE VEHICLE TRACKING OF SEDIMENTS SHALL BE MINIMIZED.
- STABILIZE THE ENTRANCE WITH 8-INCHES OF LIMESTONE.
- TOTAL COMPLIANCE WITH APPLICABLE STATE/LOCAL WASTE DISPOSAL REGULATIONS.
- CONTROLS MUST BE IN GOOD OPERATING CONDITION UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETE AND FINAL STABILIZATION HAS BEEN REACHED.

3. CONTRACTORS

THE GENERAL CONTRACTOR SHALL HAVE THE PRIMARY RESPONSIBILITY OF IMPLEMENTING THE MEASURES CONTAINED IN THIS PLAN.

- ALL CONTRACTORS AND SUBCONTRACTORS SHALL SIGN A CERTIFICATION STATEMENT BEFORE CONDUCTING ANY PROFESSIONAL SERVICE AT THE SITE RELATING TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT. SEE CERTIFICATION THIS SHEET.

- PERSONS ACCOMPLISHING WORK UNDER THIS PERMIT:

NAME: _____
ADDRESS: _____
PHONE: _____

NAME: _____
ADDRESS: _____
PHONE: _____

NAME: _____
ADDRESS: _____
PHONE: _____

NAME: _____
ADDRESS: _____
PHONE: _____

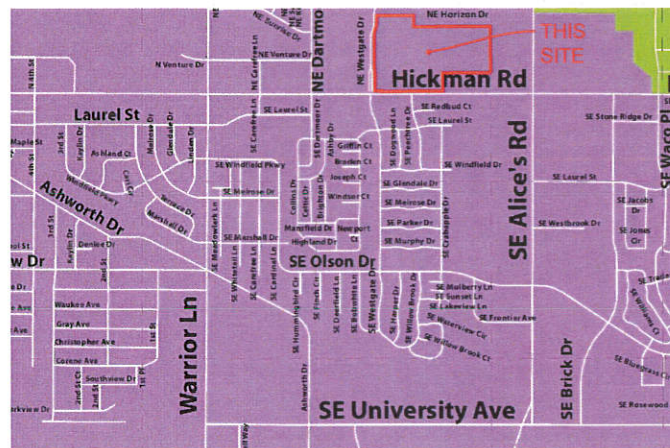
4. IMPLEMENTATION / MAINTENANCE

- MAINTAIN EFFECTIVE OPERATING CONDITIONS OF ALL PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.
- PRIOR TO INITIAL GRADING, INSTALL PERIMETER SILT FENCE TO PROTECT UNDISTURBED AREAS.
 - PRIOR TO MASS GRADING, CONSTRUCT DIVERSION DRAINAGE SWALES ON THE UPHILL SIDES OF THE DISTURBED AREA TO DIVERT UPHILL RUNOFF FROM EXPOSED SOILS.
 - DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
 - COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
 - TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT ON SEASONAL WEATHER CHANGES.
 - IF INFILTRATION METHODS ARE USED, INSTALL THEM AFTER UPSTREAM IS STABILIZED.
 - DO NOT REMOVE PERIMETER CONTROLS UNTIL UPSTREAM AREAS ARE STABILIZED.
 - AFTER INITIAL GRADING PRIOR TO UTILITY CONSTRUCTION, ALL DISTURBED AREAS OUTSIDE THE PROPOSED RIGHT-OF-WAYS ARE TO HAVE TEMPORARY SEEDING (SUDAS TYPE 4) AND MULCHING. CONTRACTORS AND SUBS ARE TO MINIMIZE DISTURBANCE TO THESE SEEDING AREAS THROUGH THE USE OF SPECIFIC ACCESS ROUTES WITHIN THE SITE.
 - TEMPORARY EARTH PILES SHALL HAVE DOWNSLOPE SILT FENCE PROTECTION.
 - ALL INTAKES AND MANHOLES TO HAVE SILT FENCE AROUND THEM PRIOR TO PAVING AND INLET FILTERS AFTER PAVING. THESE FILTERS SHALL REMAIN IN PLACE UNTIL THE SITE HAS A PERENNIAL GROUND COVER.
 - ALL INTAKES SHALL BE COVERED DURING CONSTRUCTION TO PREVENT SEDIMENTATION DEPOSITS WITHIN THE STORM SEWER UNTIL THE SITE HAS A PERENNIAL GROUND COVER. THE COVER SHALL BE CLEANED AFTER EVERY RAIN.
 - ANY SOIL OR SPILL WASHED, TRACKED OR DROPPED ON TO ADJOINING RIGHT-OF-WAYS AND PROPERTY SHALL BE CLEANED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY AND PRIOR TO A RAIN EVENT.
 - MATERIAL OR EQUIPMENT STORAGE AREAS MUST BE WITHIN THE LIMITS OF SOIL DISTURBING ACTIVITY. THESE AREAS SHALL BE INSPECTED FOR POTENTIAL POLLUTANTS ENTERING THE SYSTEM.
 - DURING CONSTRUCTION IF IT BECOMES EVIDENT THAT A DISTURBED AREA WILL NOT BE DISTURBED FOR A PERIOD EXCEEDING 14 DAYS, STABILIZATION OF THE DISTURBED AREAS SHALL INITIATE IMMEDIATELY.
 - PERMANENT SEEDING (SUDAS TYPE 1 MIX) AND MULCHING TO BE DONE IMMEDIATELY AFTER FINAL GRADING.
 - ANY FAILED AREA OF SEEDING SHALL BE RESEED. - IN THE EVENT THAT SEEDING/MULCHING DOES NOT OCCUR PRIOR TO WINTER, ALL DISTURBED AREAS SHALL BE MULCHED.
 - SILT FENCING SHALL BE CLEANED WHEN THEY HAVE LOST 50% OF THEIR CAPACITY.
 - DRAINAGE SWALES REMAIN UNDISTURBED.
 - ROCK OUTLET PROTECTION SHALL REMAIN INTACT.
 - PERMANENT FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED IMMEDIATELY AFTER FINAL GRADING IS COMPLETED. REPLANTING MAY BE REQUIRED TO ENSURE ADEQUATE VEGETATIVE COVER IS ESTABLISHED. ADEQUATE VEGETATIVE COVER IS CONSIDERED TO BE AT LEAST 70% COVERAGE OF THE SOIL SURFACE BY THE INTENDED SPECIES. IF NATIVE LANDSCAPE IS USED, THEN 10% COVERAGE BY THE COVER CROP IS REQUIRED.
 - SOIL SHALL BE WATERED DURING DRY, WINDY CONDITIONS TO MINIMIZE EROSION.
 - WORK REQUIRING ENTERING AND LEAVING THE SITE OVER CITY ROADWAYS INCLUDING MATERIAL DELIVERY AND MOVEMENT OF EQUIPMENT SHALL NOT BE PERMITTED DURING PERIODS WHEN THE GROUND IS EXCEPTIONALLY SOFT AND WET AND EROSION BY VEHICLE IS A CERTAINTY.
 - SOIL STOCKPILES SHALL BE STABILIZED WITH VEGETATION OR COVERED. MOWING MAY BE REQUIRED IF THE VEGETATION BECOMES A NUISANCE.
 - TREES SHALL BE GRIND INTO CHIPS. WOOD CHIPS AND ROOT BALLS TO BE REMOVED FROM SITE.

- INSPECTIONS
 - QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
 - INSPECT SITE FOR EVIDENCE OF, OR THE POTENTIAL OF, POLLUTANTS ENTERING THE DRAINAGE SYSTEM FROM STORED MATERIALS.
 - OBSERVE EROSION AND SEDIMENT CONTROL MEASURES TO ENSURE THAT THEY ARE OPERATING CORRECTLY, REPAIR AND REPLACE AS NECESSARY.
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
 - INSPECT DISCHARGE LOCATIONS TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
 - ANY MODIFICATIONS TO THE PLAN AS A RESULT OF AN INSPECTION SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS OF THE INSPECTION. IF IT IS DETERMINED TO BE IMPRACTICABLE TO MAKE THESE CHANGES WITHIN 72 HOURS OF THE INSPECTION, REASONING AND AN ESTIMATED DATE OF WHEN THE CHANGES WILL BE MADE SHALL BE DOCUMENTED IN THE PLANS.
 - AN INSPECTION REPORT SHALL BE PREPARED AND RETAINED AS PART OF THE PREVENTION PLAN UNTIL PROJECT TERMINATION. THIS REPORT WILL CONTAIN THE FOLLOWING:
 - A SUMMARY OF THE SCOPE OF THE INSPECTION.
 - QUALIFICATIONS OF THE PERSONNEL MAKING THE INSPECTION.
 - MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE PREVENTION PLAN.
 - ANY ACTIONS TAKEN
 - SIGNATURE
 - THE REPORTS SHALL CONFORM TO THE STANDARDS SET BY THE IOWA DNR. COPIES OF THESE REPORTS SHALL BE FORWARDED TO THE OWNER.
 - THE CONTRACTOR IS TO TAKE NECESSARY ACTIONS TO CORRECT DEFICIENCIES FOUND DURING INSPECTIONS AS SOON AS PRACTICABLE BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER THE INSPECTION. IF IT IS DETERMINED THAT IT IS IMPRACTICABLE TO MAKE THESE CHANGES WITHIN 72 HOURS OF THE INSPECTION, THE REASONING AND AN ESTIMATED DATE OF WHEN THE CHANGES WILL BE MADE SHALL BE DOCUMENTED IN THE PLANS.
 - RECORDS SHALL BE RETAINED FOR AT LEAST THREE YEARS OR UNTIL PROJECT TERMINATION.
- NON-STORM WATER DISCHARGES
 - WATER MAIN FLUSHING
 - WATER WILL BE DECHLORINATED PRIOR TO FLUSHING.
 - FLUSHED WATER WILL BE DISCHARGED INTO THE STORM SEWER SYSTEM WHERE, WHEN DISCHARGED, IT WILL UNDERGO EROSION AND SEDIMENT CONTROLS CONSISTING OF:
 - SILTATION BASIN
 - ROCK OUTLET PROTECTION (RIPRAP)
 - SILT FENCING
 - EXISTING VEGETATION
 - PETROLEUM STORAGE INCLUDING BUT NOT LIMITED TO FUEL, GEAR OIL, ENGINE OIL, HYDRAULIC OIL, WASTE OIL SHALL NOT BE STORED ON SITE.
 - CONCRETE WASHOUT AREAS SHALL MEET SUDAS SECTION II.050.
 - PORTABLE TOILETS SHALL HAVE DOWNSLOPE SILT FENCE PROTECTION. THE HOLDING TANK WILL BE PUMPED OUT AS NEEDED AND DISPOSED OF OFF-SITE.
- THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING UTILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION OR THAT ALL EXISTING UNDERGROUND FACILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL PUBLIC AND/OR PRIVATE UTILITIES SERVING THE AREA TO DETERMINE THE PRESENT EXTENT AND EXACT LOCATION OF THEIR FACILITIES BEFORE BEGINNING WORK.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY UTILITY LINE OF APPURTENANCE, OR THE INTERRUPTION OF THEIR SERVICE. HE SHALL NOTIFY THE PROPER UTILITY INVOLVED. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- STRIP TOPSOIL FROM ALL AREAS WHICH ARE TO RECEIVE STRUCTURAL FILL.
- AREAS TO RECEIVE FILL TO BE BENCHED.
- PREPARE BOTTOM OF BENCH FOR FILL BY DISCING TO A DEPTH OF 6-INCHES AND COMPACT. ANY LOCALIZED AREAS WHICH CANNOT BE SATISFACTORILY COMPACTED OR WHICH SHOW EVIDENCE OF PUMPING ACTION SHALL BE UNDERCUT AND RECOMPACTED WITH ON-SITE FILL.
- ALL SITE GRADING FILL SHALL BE COMPACTED TO A DENSITY THAT IS NOT LESS THAN 95% STANDARD PROCTOR.
- ALL AREAS WHICH ARE TO RECEIVE PAVING SHALL HAVE THE TOP 12-INCHES DISCED AND RECOMPACTED TO 95% STANDARD PROCTOR DENSITY.
- THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL MATCH "IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" BETWEEN 0% AND 4% OVER OPTIMUM MOISTURE.
- MAINTAIN ALL CUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES.
- FINAL GRADES WITHIN PAVED AREAS SHALL BE WITHIN 0.1' OF PLAN GRADE, ALL OTHER AREAS TO BE WITHIN 0.2' OF PLAN GRADE.
- TOPSOIL SHALL BE RESPREAD TO A MINIMUM THICKNESS OF 8-INCHES ON ALL DISTURBED UNPAVED AREAS.
- BACKFILL TO TOP OF ALL ROCK OR PAVED SURFACES.
- ADDITIONAL SILT FENCING MAY BE REQUIRED BY THE CITY AFTER FIELD INSPECTION.

SEQUENCE OF MAJOR ACTIVITIES

- PRE-CONSTRUCTION: SOIL STABILIZATION AND EROSION CONTROL MEASURES WILL BE PLACED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OPERATIONS. VEGETATION IN AREAS NOT NEEDED FOR CONSTRUCTION SHALL BE PRESERVED. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED.
- THE SITE SHALL BE SEED (SUDAS TYPE 1 OR TYPE 4), FERTILIZED AND MULCHED AS SOON AS POSSIBLE.
- A NOTICE OF DISCONTINUATION WILL BE FILED ONCE THE SITE IS STABILIZED.



VICINITY SKETCH

OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE AS PART OF THIS CERTIFICATION. FURTHER, BY MY SIGNATURE, I UNDERSTAND THAT I AM BECOMING A CO-PERMITTEE, ALONG WITH THE CONTRACTOR AND SUBCONTRACTORS SIGNING SUCH CERTIFICATIONS, TO THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2 FOR "STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES" AT THE IDENTIFIED SITE. AS A CO-PERMITTEE, I UNDERSTAND THAT I, AND MY ORGANIZATION, ARE LEGALLY REQUIRED UNDER THE CLEAN WATER ACT AND THE CODE OF IOWA, TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN DEVELOPED UNDER THIS NPDES PERMIT AND THE TERMS OF THIS NPDES PERMIT.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE: _____
COMPANY: ALICES, L.C. _____
TELEPHONE NUMBER: _____

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE AS PART OF THIS CERTIFICATION. FURTHER, BY MY SIGNATURE, I UNDERSTAND THAT I AM BECOMING A CO-PERMITTEE, ALONG WITH THE OWNER(S) AND OTHER CONTRACTORS AND SUBCONTRACTORS SIGNING SUCH CERTIFICATIONS, TO THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2 FOR "STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES" AT THE IDENTIFIED SITE. AS A CO-PERMITTEE, I UNDERSTAND THAT I AND MY COMPANY ARE LEGALLY REQUIRED UNDER THE CLEAN WATER ACT AND THE CODE OF IOWA, TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN DEVELOPED UNDER THIS NPDES PERMIT AND THE TERMS OF THIS NPDES PERMIT.

GENERAL CONTRACTOR

NAME / TITLE: _____
COMPANY: _____
TELEPHONE NUMBER: _____

SUBCONTRACTOR

NAME / TITLE: _____
COMPANY: _____

DATE:	REVISIONS	COMMENTS
JULY 16, 2018	1	08-16-2018
	2	08-30-2018
	3	04-10-2018
	4	04-25-2018
	5	
	6	

DATE OF SURVEY: MAY 03, 2018
DESIGNED BY: JPO
DRAWN BY: MEH

PRAIRIE CROSSING PLAT 7
NAUKEE, IOWA

SWPPP NOTES



SHEET
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OF 13

