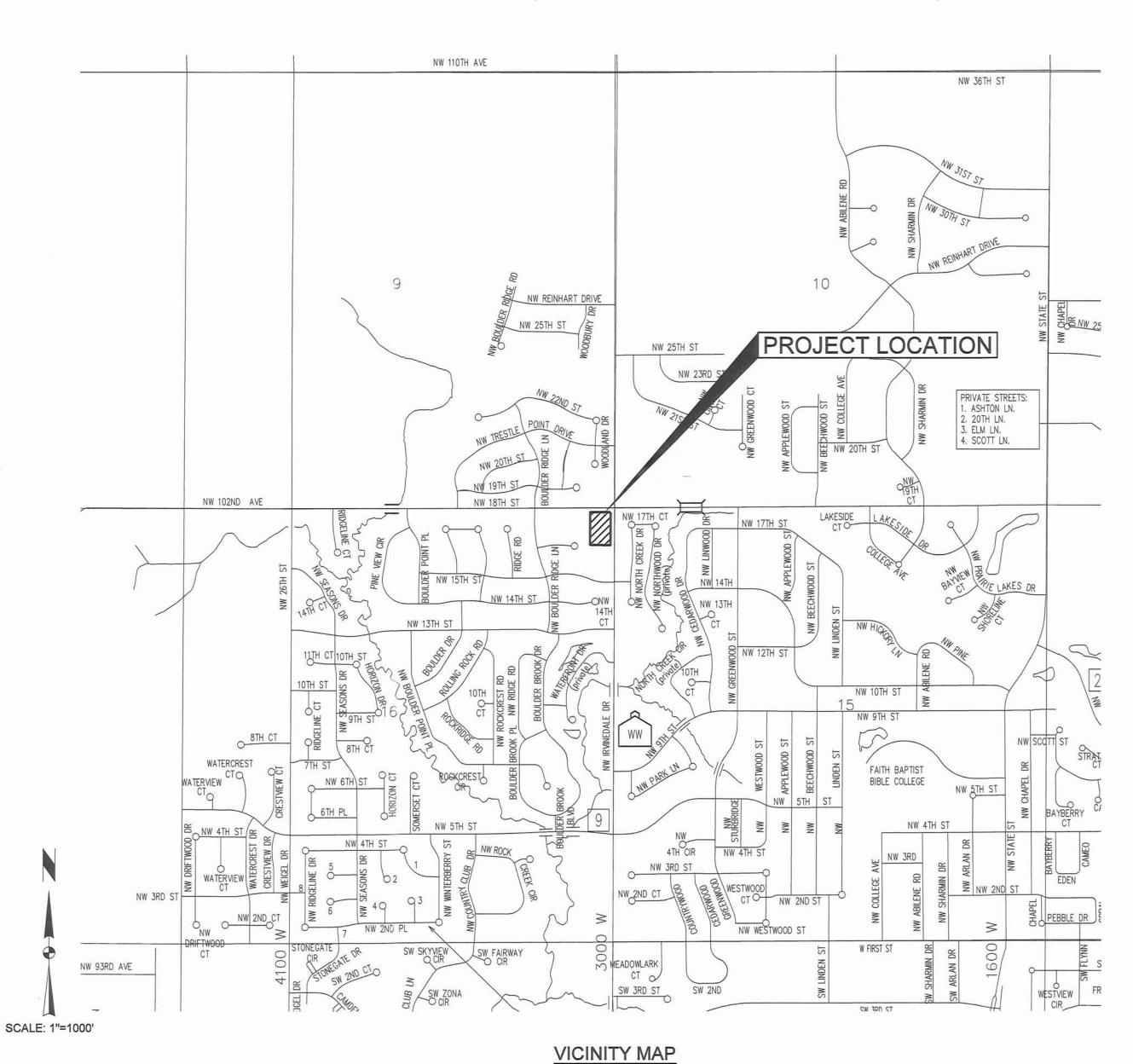
FOR HIDDEN CREEK COMMERCIAL 2019

1606 NW IRVINEDALE DRIVE CITY OF ANKENY, POLK COUNTY, IOWA



bringing it all together

HUNZIKER LAND DEVELOPMENT COMPANY, LLC.

HCS BUILDERS, INC. 105 S 16TH STREET

AMES, IOWA 50010

CONTACT: JUSTIN DODGE PHONE: (515) 239-8676 SHEET INDEX

C500

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PLANTING PLAN

NOV 27 7019

HIDDEN CREEK COMMERCIAL

SNYDER
& ASSOCIATES

Project No: 119.0705

Sheet C100

LEGEND EXISTING FEATURES Spot Elevation 980.00 Contour Elevation Fence (Barbed, Field, Hog) Fence (Chain Link) Fence (Wood) Fence (Silt) Tree Line Tree Stump Deciduous Tree \\ Shrub Coniferous Tree \\ Shrub Communication ______CO(B) ______ Overhead Communication ___ _ _ CO(B) ___ _ _ Fiber Optic — — FO(B) — — — Underground Electric Overhead Electric — — OE(B) — — — —— —— G(B) —— —— Gas Main with Size High Pressure Gas Main with Size —— —— G(B) —— —— Water Main with Size — — W(B) — — — Sanitary Sewer with Size — — UE(B) — — — **Duct Bank**

— — CO(B) — — —

(*) Denotes the survey quality service level for utilities

Test Hole Location for SUE w/ID

Sanitary Manhole	
Storm Sewer with Size	- ST1(B)
Storm Manhole	0
Single Storm Sewer Intake	$\stackrel{\smile}{=}$
Double Storm Sewer Intake	
Fire Hydrant	Q
Fire Hydrant on Building	æ,
Water Main Valve	×
Water Service Valve	⊗
Well	₩
Utility Pole	
Guy Anchor	\uparrow
Utility Pole with Light	0
Utility Pole with Transformer	•
Street Light	
Yard Light	Ø
Electric Box	EB
Electric Transformer	E
Traffic Sign	
Communication Pedestal	
Communication Manhole	© ©
Communication Handhole	
Fiber Optic Manhole	©
Fiber Optic Handhole	FO
Gas Valve	₽G⊲
Gas Manhole	©
Gas Apparatus	G
Fence Post or Guard Post	•
Underground Storage Tank	USD
Above Ground Storage Tank	AST
Sign	
Satellite Dish	Q .
Mailbox	•
Sprinkler Head	+
Irrigation Control Valve	⊠ICV

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.

QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.

QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.

QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

GENERAL NOTES

- A. NOTIFY UTILITY PROVIDERS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH UTILITY PROVIDERS AS NECESSARY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION, AND DEPTH OF ALL UTILITIES. PROTECT ALL UTILITY LINES AND STRUCTURES NOT SHOWN FOR REMOVAL OR MODIFICATION. ANY DAMAGES TO UTILITY ITEMS NOT SHOWN FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO THE UTILITY OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
- B. CONSTRUCTION OF ALL STREET AND UTILITY IMPROVEMENTS SHALL CONFORM TO THE 2019 SUDAS STANDARD SPECIFICATIONS AND THE CITY OF ANKENY SUPPLEMENTAL SPECIFICATIONS FOR PUBLIC
- C. LENGTH OF UTILITIES SHOWN ON PLANS ARE DIMENSIONED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE.
- D. ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY, FLAGGERS SHALL BE PROVIDED. FLAGGERS SHALL CONFORM TO THE MUTCD IN APPEARANCE, EQUIPMENT AND ACTIONS.
- E. NOTIFY OWNER, ENGINEER, AND CITY OF ANKENY AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- F. CONSTRUCT MANHOLES AND APPURTENANCES AS WORK PROGRESSES. BACKFILL WITH SUITABLE MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY.
- G. IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
- H. ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS.
- I. DIMENSIONS, BUILDING LOCATION, UTILITIES AND GRADING OF THIS SITE ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. ANY SUCH CHANGES OR CONFLICTS BETWEEN THIS PLAN AND FIELD CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION.
- J. CONTRACTOR TO LOAD AND TRANSPORT ALL MATERIALS CONSIDERED TO BE UNDESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.
- K. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 6" DEPTH TO FINISH GRADES.
- L. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
- M. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM NEIGHBORING STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES IN A TIMELY MANNER.
- N. THE ADJUSTMENT OF ANY EXISTING UTILITY APPURTENANCES TO FINAL GRADE IS CONSIDERED
- O. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ANY EXISTING EROSION CONTROL MEASURES ON SITE AT THE TIME OF CONSTRUCTION. GRADING AND SOIL EROSION CONTROL CODE REQUIREMENTS SHALL BE MET BY CONTRACTOR. A GRADING PERMIT IS REQUIRED FOR THIS PROJECT.
- P. CONTRACTOR TO COORDINATE NATURAL GAS, ELECTRICAL, TELEPHONE AND ANY OTHER FRANCHISE UTILITY SERVICES WITH UTILITY SERVICE PROVIDER, CITY OF ANKENY, AND THE OWNER PRIOR TO CONSTRUCTION.
- Q. CONTRACTOR TO VERIFY ALL UTILITY CROSSINGS AND MAINTAIN MINIMUM 18" VERTICAL AND HORIZONTAL CLEARANCE BETWEEN UTILITIES. CONTRACTOR TO COORDINATE UTILITY ROUTING TO BUILDING AND VERIFY CONNECTION LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION.
- R. ALL ROOF TOP UNITS SHALL BE SCREENED FROM PUBLIC VIEW.

PROPERTY DESCRIPTION

LOT 2 OF HIDDEN CREEK PLAT 2 AND LOT 1 OF HIDDEN CREEK PLAT 4, AN OFFICIAL PLAT NOW INCLUDED IN AND FORMING A PART OF THE CITY OF ANKENY, POLK COUNTY IOWA AND CONTAINING 2.30 ACRES (100,048 SF).

PROPERTY SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

PROPERTY ADDRESS

1606 NW IRVINEDALE DRIVE ANKENY, IOWA 50023

ZONING

C-2: GENERAL RETAIL AND HIGHWAY ORIENTED COMMERCIAL BUSINESS DISTRICT

BULK REGULATIONS

FRONT YARD SETBACK = 35' REAR YARD SETBACK = 40' SIDE YARD SETBACK = NONE; EXCEPT WHEN ADJACENT RESIDENTIAL OR ROW = 25' MAXIMUM HEIGHT = 45' MAXIMUM STORIES = 3

PARKING REQUIREMENTS

COFFEE SHOP 1 STALLS PER 100 SF 1,890 / 100 = 19 STALLS

DAYCARE 1 STALLS PER 300 SF 11,243 / 300 = 38 STALLS

TOTAL REQUIRED = 57 TOTAL PROVIDED = 90

ERU CALCULATIONS

58,338 SF OF HARD SURFACE / 4,000 = 15 EQUIVALENT RESIDENTIAL UNITS

BUILDING DESCRIPTION

HEIGHT = 20'

AREA = 13,133 SF SINGLE STORY

UTILITY CONTACT INFORMATION

CITY OF ANKENY - WATER W1-WATER MAIN Shawn Buckner

INCIDENTAL TO THE SITE WORK.

(515) 963-3524

sbuckner@ankenyiowa.gov

CITY OF ANKENY STORMWATER Jared Bright

(515) 963-3534

jbright@ankenyiowa.gov CITY OF ANKENY - SANITARY SEWER S-SANITARY SEWER

Roger McFarland (515) 965-6483

rmcfarland@ankenyiowa.gov

CITY OF ANKENY TRAFFIC Leslie Hart

515-963-3548

Ihart@ankenyiowa.gov

BLACK HILLS ENERGY GRIMES Joe McAreavy

515-343-2030 joe.mcareavy@blackhillscorp.com

CENTURYLINK

Dustin Withers (515) 263-7202

FO2-FIBER OPTIC

FO3-FIBER OPTIC

ST-STORM SEWER

FO1-FIBER OPTIC

G2-GAS MAIN

dustin.withers@centurylink.com IOWA COMMUNICATIONS NETWORK

Mike Broderick (515) 725-4610

mike.broderick@iowa.gov

FO4-FIBER OPTIC

MEDIACOM COMMUNICATIONS CORP

Paul May

515-246-2252 pmay@mediacomcc.com

G1-GAS MAIN

OE1-OVERHEAD ELECTRIC

UE1-UNDERGROUND ELECTRIC (515) 281-2260

MIDAMERICAN ENERGY Theresa McGuire tmmcguire@midamerican.com

CONTROL POINTS

ANKENY ELLIPSE COORDINATE SYSTEM NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

- CP1 N=66368.78 E=40449.27 Z=966.77
- CUT "X" WEST SIDE OF ENTRANCE TO "MY LEARNING SAFARI" AT END OF RADIUS, +/-5' EAST OF BACK OF CURB INTAKE, NORTH SIDE OF NW 18TH STREET. (AS SHOWN ON SURVEY)
- N=66305.41 E=40791.87 Z=964.01
 - CUT "X" ON SOUTHWEST CORNER OF CONCRETE PAD FOR ELECTRIC BOX, +/-15' SOUTHEAST OF TRAFFIC SIGNAL POLE, SOUTHEAST QUADRANT OF INTERSECTION. (AS SHOWN ON SURVEY)
- N=66009.77 E=40803.47 Z=957.67
- CUT "X" CENTER OF SIDEWALK, +/-10' WEST OF WOOD FENCE, IN-LINE WITH POWER POLE, +/-55' EAST OF CENTERLINE OF NW IRVINEDALE DRIVE. (AS SHOWN ON SURVEY)
- N=66009.92 E=40457.40 Z=961.21
- 1/2" REBAR WITH RED PLASTIC CAP, +/-80' SOUTH OF SOUTHWEST CORNER OF PROPERTY, IN-LINE WITH POWER POLE, SOUTHWEST CORNER OF SITE. (AS SHOWN ON SURVEY)

BENCHMARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID12A) IARTN DERIVED - US SURVEY FEET

BM500 ELEV=961.70 BURY BOLT ON HYDRANT. SOUTHWEST QUADRANT OF INTERSECTION OF NW 18TH STREET AND NW IRVINEDALE, +/-30' NORTHEAST OF TRANSFORMERS. +/-40' SOUTH OF SIDEWALK.



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Project No: 119.0705

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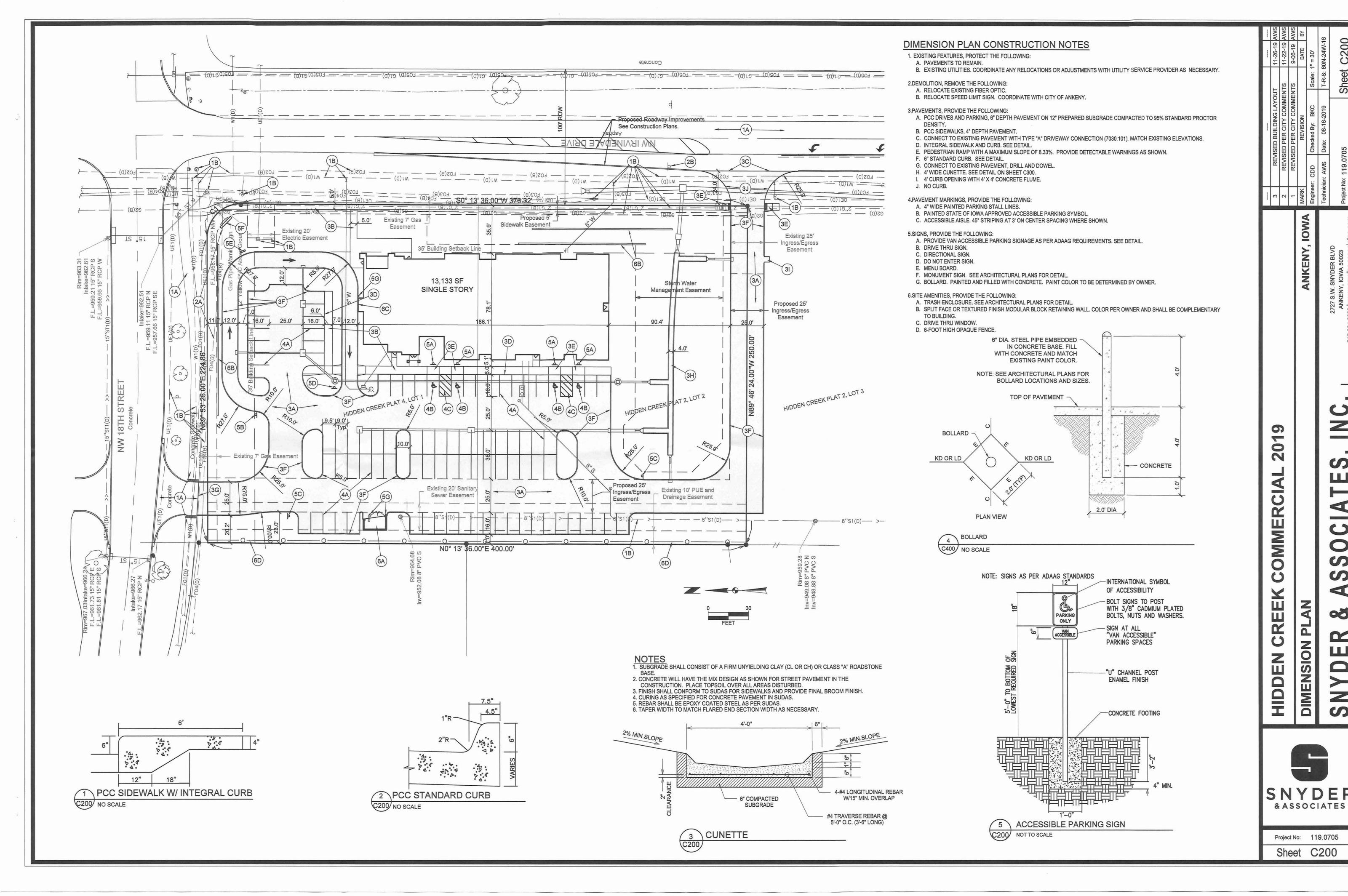
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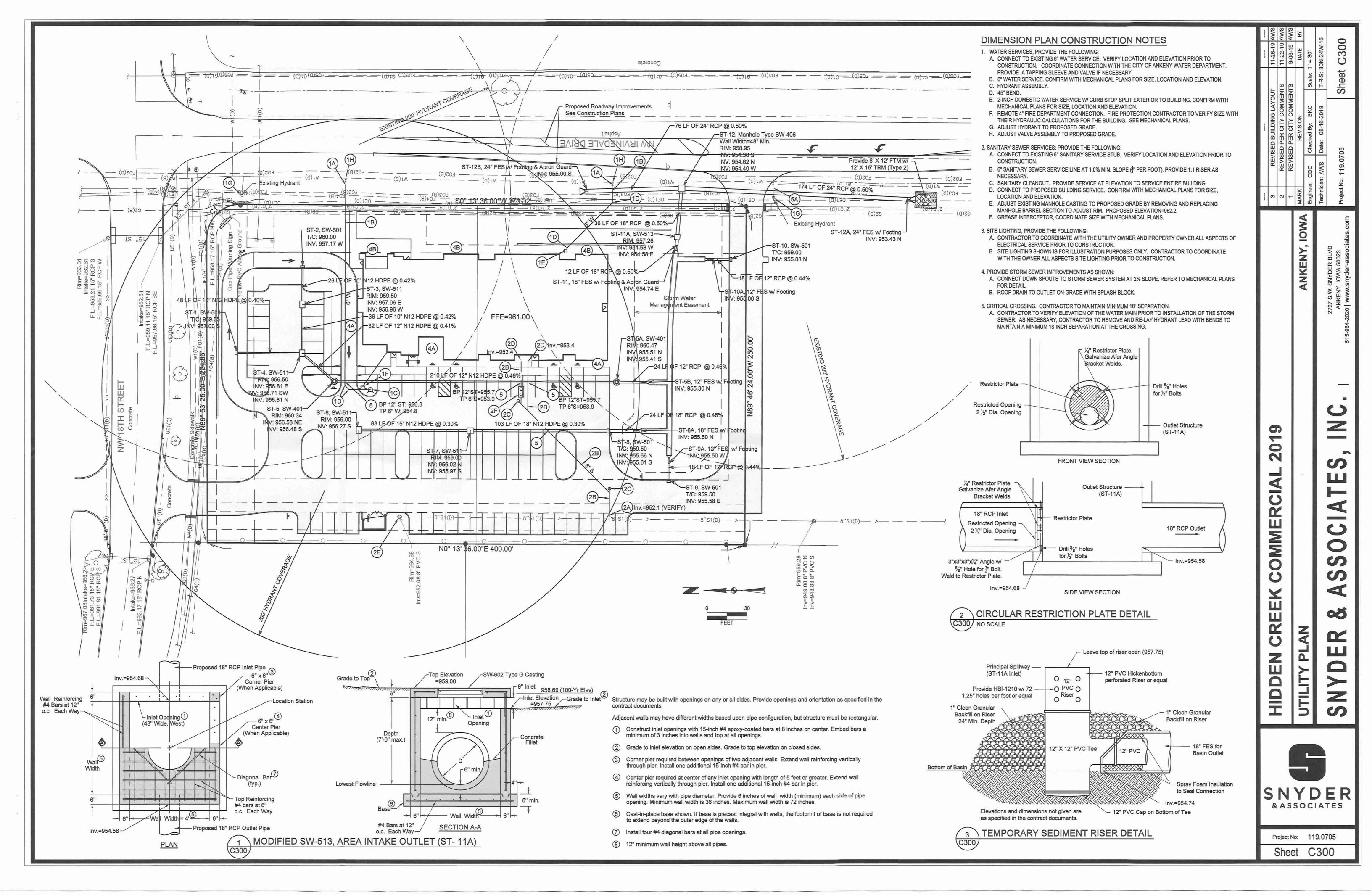
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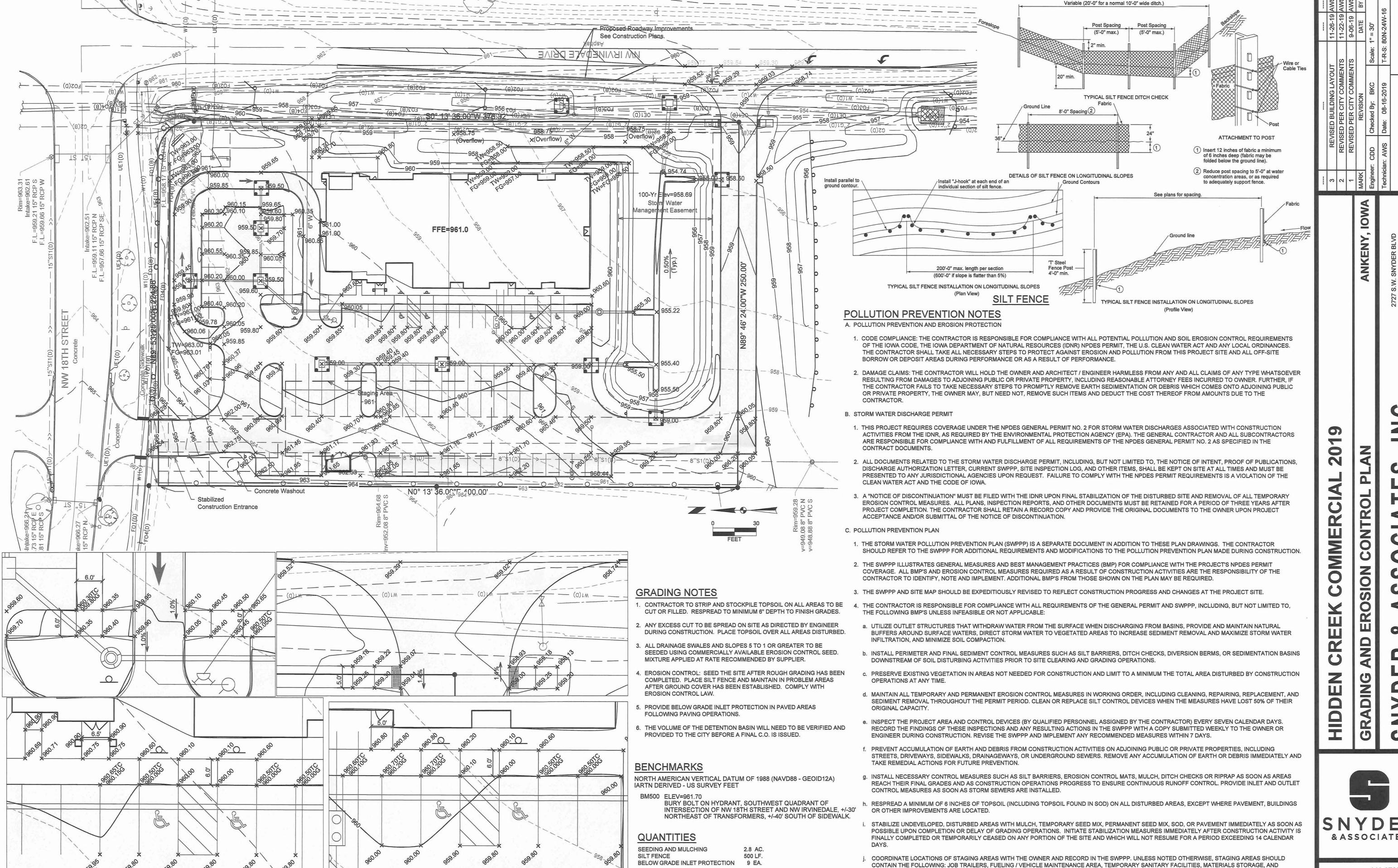
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Sheet C101

& ASSOCIATES







SIDEWALK RAMP DETAILS (1"-10")

& ASSOCIATES

Project No: 119.0705 C400 Sheet

CONCRETE WASHOUT FACILITY. CONTROL RUNOFF FROM STAGING AREAS WITH DIVERSION BERMS AND/OR SILT BARRIERS AND DIRECT TO A SEDIMENT

BASIN OR OTHER CONTROL DEVICE WHERE POSSIBLE. CONCRETE WASHOUT MUST BE CONTAINED ONSITE.

k. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND SITE WASTE PRIOR TO FILING OF THE "NOTICE OF DISCONTINUATION".

PLANTING PLAN GENERAL NOTES

A. UTILITY WARNING:

- THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- . NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- C. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- D. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.
- E. PROVIDE 3-INCH DEPTH SHREDDED HARDWOOD MULCH IN PLANT BED AREAS AS INDICATED ON PLAN AND PROVIDE A MIN 3-FOOT PERIMETER RING AROUND ALL TREES. PROVIDE VERTICAL CUT NATURAL EDGE TO A DEPTH OF 4-INCHES.
- F. PROVIDE 2-INCH RIVER GRAVEL PLACED TO A DEPTH OF 4-INCHES WITH WEED BARRIER FABRIC UNDERLAYMENT IN PLANT BED AREAS SHOWN ON PLAN.
- G. SEED ALL AREAS DISTURBED BY CONSTRUCTION WITH TYPE 1 SUDAS PERMANENT LAWN SEED MIX, UNLESS
- H. PROVIDE DETENTION BASIN SEED MIX AS PROVIDED BY PRAIRIE MOON NURSERY. WWW.PRAIRIEMOON.COM, 32115 PRAIRIE LANE, WINONA, MN 55987, OR APPROVED EQUAL. SEEDING RATE: 11.48 LBS/ACRE. INSTALL AS PER SUDAS SPECIFICATIONS 9010 SEEDING.

PROVIDE REGREEN, Tricitum aestivum, SHORT-LIVED STERILE PERENNIAL WHEAT/WHEAT GRASS HYBRID OR APPROVED EQUAL. APPLY AT 30 LBS/ACRE

J. PROVIDE MECHANICALLY BONDED FIBER MATRIX(MBFM) IMMEDIATELY FOLLOWING SEED APPLICATION ON ALL AREAS SEEDED WITH A SLOPE OF 6:1 OR GREATER. ACCEPTABLE PRODUCTS AND MANUFACTURERS:

PROFILE PRODUCTS LLC., 750 LAKE COOK ROAD - SUITE 400 BUFFALO GROVE, IL 60089 TEL:A:A:1-800-366-1180 WWW.PROFILEPRODUCTS.COM OR APPROVED EQUAL

PLANT SCHEDULE

	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
₹	GT	Gleditsia triacanthos f. inermis 'Shademaster'	SHADEMASTER HONEYLOCUST	1½" CAL.	B&B
rory S	GB	Gingko biloba 'Princeton Sentry'	PRINCETON SENTRY GINKGO	1½" CAL.	B&B (MALE ONLY)
VERST	co	Celtis occidentalis 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	11/2" CAL.	B&B
뺫	QB	Quercus bicolor	SWAMP WHITE OAK	1½" CAL.	B&B
Ó	UC	Ulmus carpinifolia x parvifolia 'Frontier'	FRONTIER ELM	1½" CAL.	B&B
Z	AG	Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT.	B&B, MULTI-STEM
ES	MP	Malus 'Prairiefire'	PRAIRIEFIRE CRABAPPLE	8' HT.	B&B
REE	SR	Syringa reticulata 'Ivory Silk'	IVORY SILK JAPANESE TREE LILAC	8' HT.	B&B, MULTI-STEM
ORNAMENTA TREES					
26567	JC	Juniperus chinensis 'Sea Green'	SEA GREEN JUNIPER	36" HT.	CONT. (6' O.C.)
BS	PO	Physocarpus opulifolius 'Jefam' AMBER JUBILEE	AMBER JUBILEE NINEBARK		CONT. (5' O.C.)
SHRUBS	VC		KOREAN SPICE VIBURNUM	36" HT.	CONT. (5' O.C.)
SH	WF	Weigela florida 'Verweil-4'	SONIC BLOOM RED WEIGELA	24" HT.	CONT. (5' O.C.)

NOTE: QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY PLANT MATERIAL PRIOR TO BIDDING. IN THE CASE OF A DISCREPANCY, THE PLAN QUANTITY SHALL GOVERN.

PLANTING PLAN REQUIREMENTS

LANDSCAPE REQUIREMENTS AND CALCULATIONS: (AS PER CITY OF ANKENY SITE PLAN OPEN SPACE AND LANDSCAPING REQUIREMENTS)

OPEN SPACE REQUIREMENTS:

100,049 SF (2.30 AC.) OVERALL PROPERTY X 20% MIN. OPEN SPACE = 20,010 SF OPEN SPACE REQ'D TOTAL HARDSURFACE (DRIVES, PARKING AND BUILDINGS)= 54,059 SF (45,990 SF) = 45.97% TOTAL OPEN SPACE PROVIDED

OPEN SPACE LANDSCAPE REQUIREMENTS: 20,010 SF/ 3000SF = 6.67 PLANT UNITS REQ'D. 6.67PU X 2 TREES = 13.34 TREES REQ'D, (14 PROVIDED) 6.67 PU X 6 SHRUBS = 40.02 REQ'D, (41 PROVIDED)

PAVEMENT SHADING REQUIREMENTS: 40,925 SF OF PAVEMENT X 20% = 8,185 SF 8,185/ 706 SF = 11.59 OVERSTORY TREES REQ'D (12 PROVIDED)

---(8) PAVEMENT OVERSTORY TREES PROVIDED WITHIN 15' OF PAVED AREA ON ONE SIDE (COUNTED AT 50%) ---(8) PAVEMENT OVERSTORY TREES PROVIDED WITHIN 15' OF PAVED AREA ON 2 OR MORE SIDES (COUNTED AT 100%) ---8,472 SF PAVEMENT SHADING PROVIDED

BALLED AND BURLAP (B&B) PLANTS REMOVE TYPE C SCREENING PROVIDED TO WEST OF PROPERTY (TYPE R-1 AND AND R-2)



HDDI

IOWA

ANKENY,

Project No: 119.0705

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