PROJECT INFORMATION

APPLICANT PT LAND INVESTMENTS LLC DEAN KLOEWER

600 LASALLE AVE PANAMA, IA 51562 PHONE: (712) 489-2020

PROPERTY OWNER

PT LAND INVESTMENTS **DEAN KLOEWER** 600 LASALLE AVE **PANAMA, IA 51562** PHONE: (712) 489-2020

ENGINEER

DGR ENGINEERING CONTACT: KEVIN PUHL, P.E. 1605 N. ANKENY BLVD. SUITE 100 ANKENY, IA 50023 PHONE: (515) 963-3488 FAX: (515) 964-4707

PROPERTY ADDRESS

725 SE 54TH ST. ANKENY, IA 50021 & PARCEL DIRECTLY WEST OF 725 SE 54TH ST. ANKENY, IA 50021

DATE OF PREPARATION

JUNE 18, 2019

UTILITY SERVICES

- WATER CITY OF ANKENY.
- SHAWN BUCKNER, 515-963-3524, sbuckner@ankenyiowa.gov
- WASTEWATER CITY OF ANKENY. ROGER MCFARLAND, 515-965-6483, mcfarland@ankenyiowa.gov
- ELECTRIC & GAS MIDAMERICAN ENERGY
- KELLI FREW, 515-252-6744, KDFREW@MIDAMERICAN.COM COMMUNICATIONS - CENTURYLINK RAY MONTOYA, 515-423-8958, RAYMOND.MONTOYA@CENTURYLINK.COM
- AUSTIN FREESEMAN, 515-263-7390, AUSTIN.FREESEMAN@CENTURYLINK.COM COMMUNICATIONS - AUREON NETWORK SERVICES JEFF KLOCKO, 515-8730-0445, JEFF.KLOCKO@AUREON.COM

PROPOSED BUILDING USES

- 1. MAIN BUILDING (174'X60' = 10440 SF) WAREHOUSING AND STORAGE
- 2. MAINTENANCE BUILDING (80'X30' = 2400 SF) FLEET MAINTENANCE (CHANGING TIRES, CHANGING LIGHT BULBS, AND SMALL REPAIRS. ANY LARGE REPAIRS & EQUIPMENT SERVICING WILL TAKE PLACE AT MAIN SHOP IN PANAMA, IA)

PARKING

- 1. 25 EMPLOYEES ON LARGEST SHIFT
- 2. REQUIRED = 13 1 SPACE FOR EVERY 2 EMPLOYEES ON THE MAXIMUM SHIFT BUT NOT LESS THAN 1 SPACE PER 5,000 SQ. FT. OF AREA DEVOTED TO STORAGE
- PROVIDED = 25

PROPERTY INFORMATION

EXISTING PARCELS

- 1. 725 SE 54TH ST. ANKENY, IA 50021
- PARCEL DIRECTLY WEST OF 725 SE 54TH ST. ANKENY, IA 50021

EXISTING LEGAL DESCRIPTION

- LOTS 2 & 3 FRIENDLY HILLS
- 2. -EX W 50F & -EX N 40F RD EASM- NE 1/4 LYING W OF FRIENDLY HILLS SEC 1-79-24 (FROM POLK COUNTY ASSESSOR)

PROPOSED LEGAL DESCRIPTION

LOT 1 PANAMA TRANSFER ADDITION

ZONING

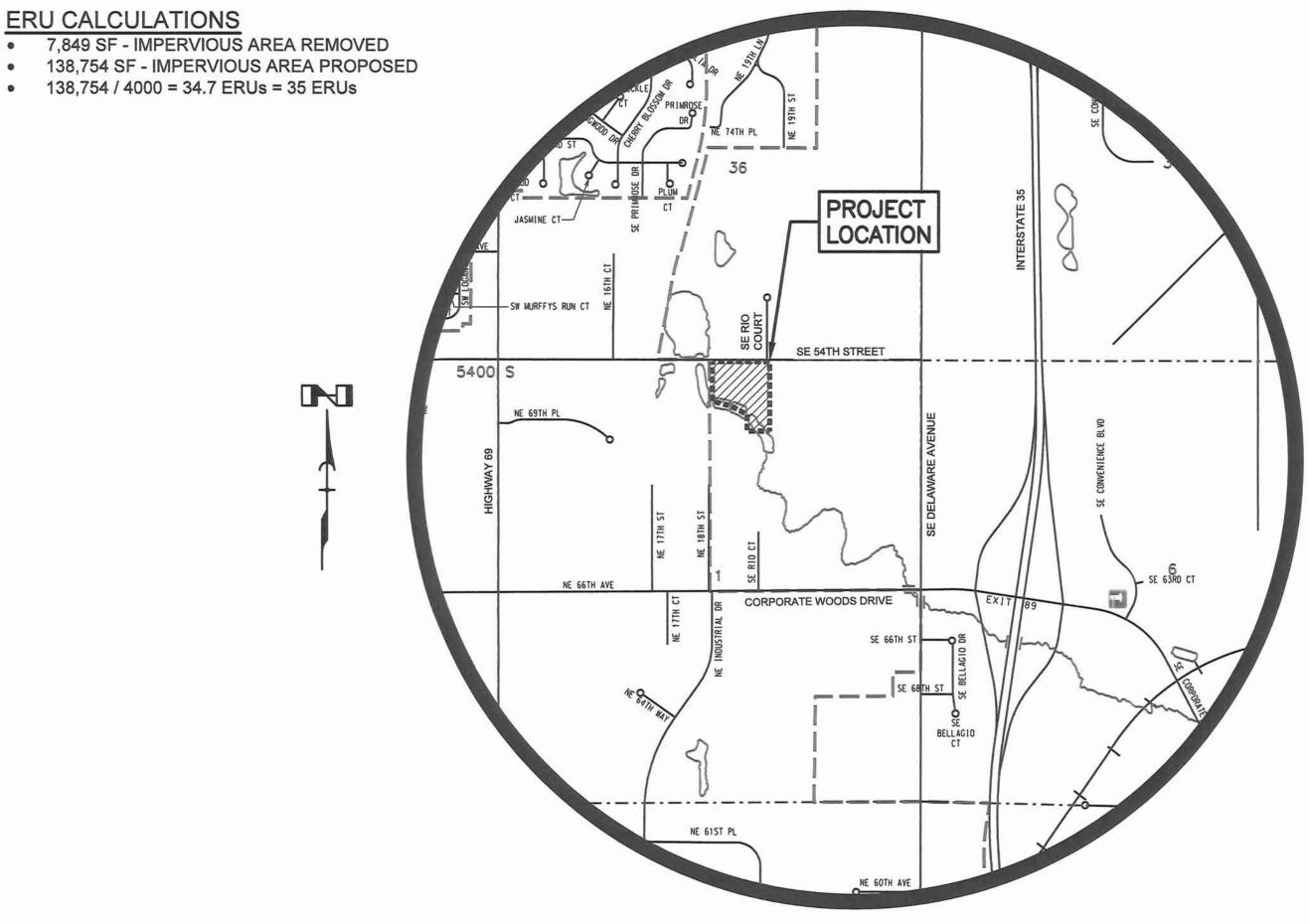
M-1 LIGHT INDUSTRIAL DISTRICT

MINIMUM SETBACKS

- 50' FRONT
- 2. 50' SIDE THAT ABUTS RESIDENTIAL DISTRICT (WEST & EAST)
- 40' REAR

ERU CALCULATIONS

- 7.849 SF IMPERVIOUS AREA REMOVED
- 138,754 / 4000 = 34.7 ERUs = 35 ERUs



PANAMA TRANSFER

SITE IMPROVEMENTS

ANKENY, IOWA

2019

VICINITY MAP NOT TO SCALE

INDEX OF SHEETS

pr se presidente transmitte de Art de Carte de 1990 (1991 (1	
SHEET NO.	DESCRIPTION
A.01 D.01	TITLE SHEET REMOVAL PLAN
D.02 D.03	SITE PLAN - OVERALL CONSTRUCTION DETAILS
D.04 - D.11 D.12	GRADING & UTILITY PLANS SANITARY SEWER - PLAN & PROFILE
D.13 D.14	PAVING PLAN EROSION CONTROL PLAN
D.15 LS1-LS2	LANDSCAPING PLAN LIFT STATION DETAILS

ALL UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WITH OWNER OF UTILITIES.

BENCHMARKS:

- CENTER OF SANITARY MANHOLE LOCATED IN SOUTH RADIUS OF DRIVEWAY TO 5207 SE RIO COURT. ELEV.=947.95
- 2. CENTER OF SANITARY MANHOLE LOCATED 15' EAST OF EAST CURB LINE OF SE RIO COURT & 610' NORTH OF NORTH CURB LINE OF SE 54TH STREET, ELEV.=946.85

CONTROL POINTS:

- CP MAG IN SE 54TH STREET, FOUND 203' WEST OF WEST CURB OF SE RIO COURT & 2.6' NORTH OF SOUTH EDGE OF PAVING OF SE 54TH STREET. NORTHING = 615153.093, EASTING = 1616075.087
- 2. FOUND CUT X AT CENTERLINE OF SE 54TH STREET, FOUND 222' EAST OF EAST CURB LINE OF SE RIO COURT. NORTHING = 615157.798, EASTING = 1616531.393

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

KEVIN M. PUHL, P.E.

My license renewal date is December 31, 2020

Pages or sheets covered by this seal:



1-800-292-8989 www.iowaonecall.com Know what's below. Call before you dig.



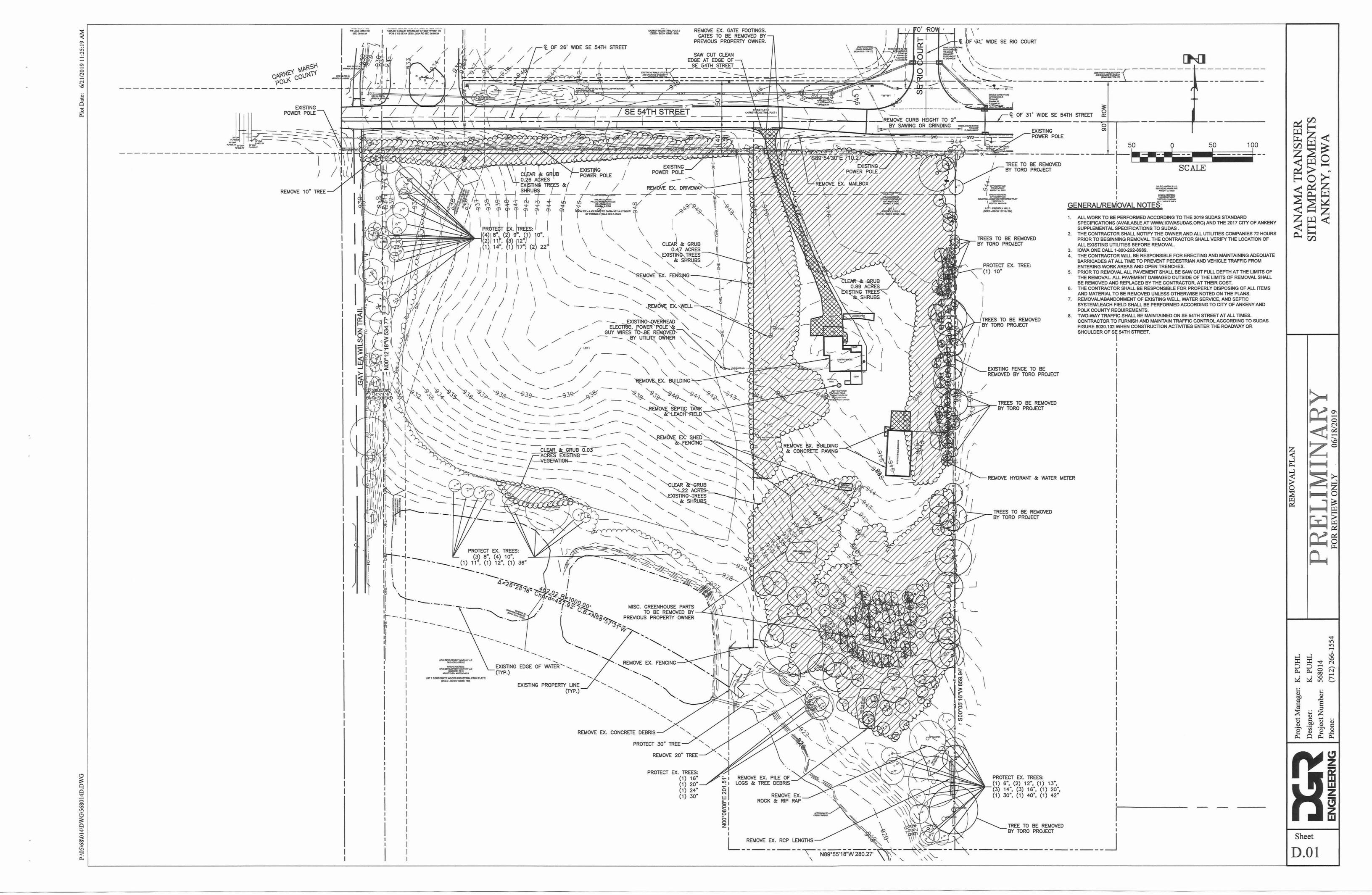


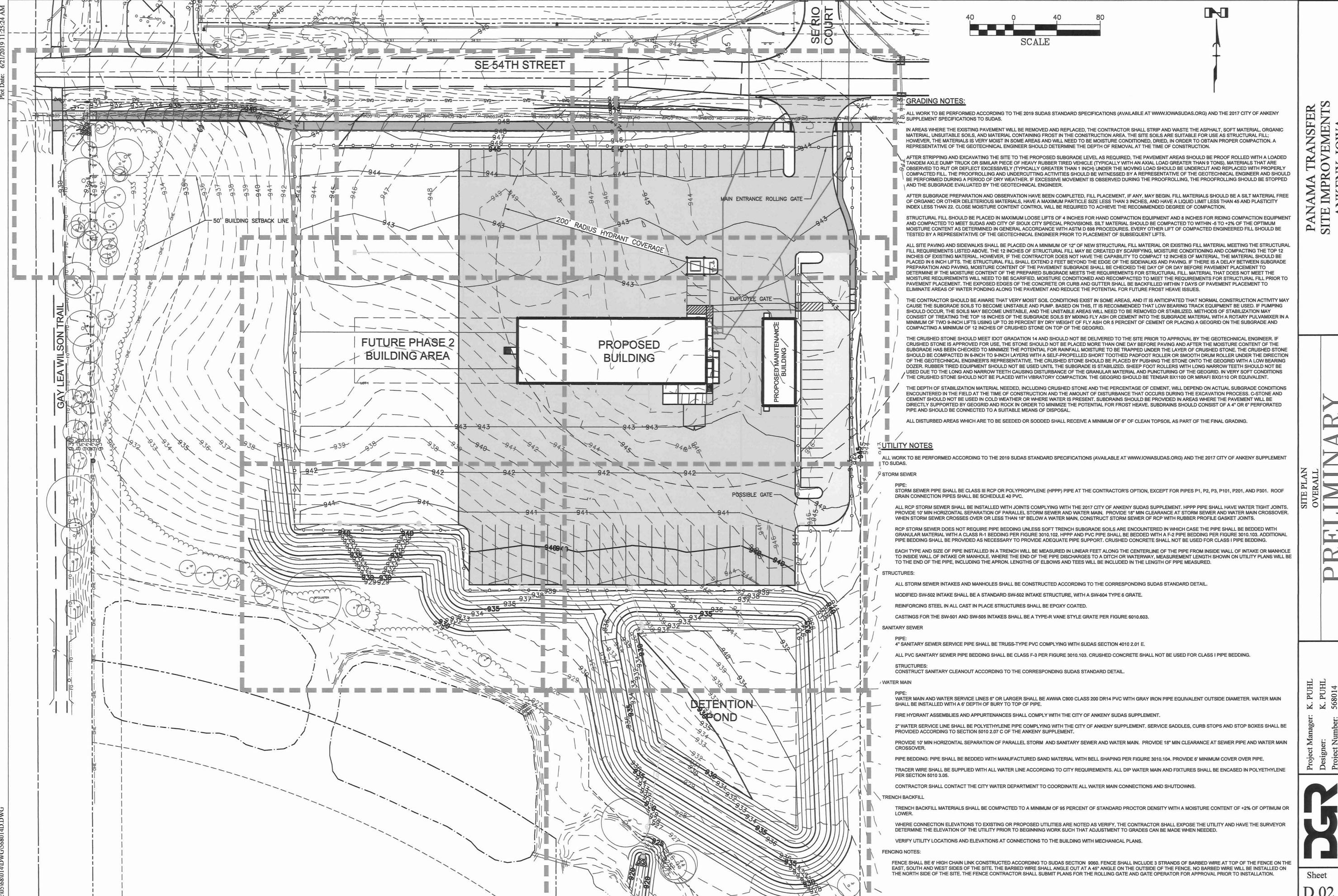
STATE MAP

Sheet A.01

License No. 24131

(date)

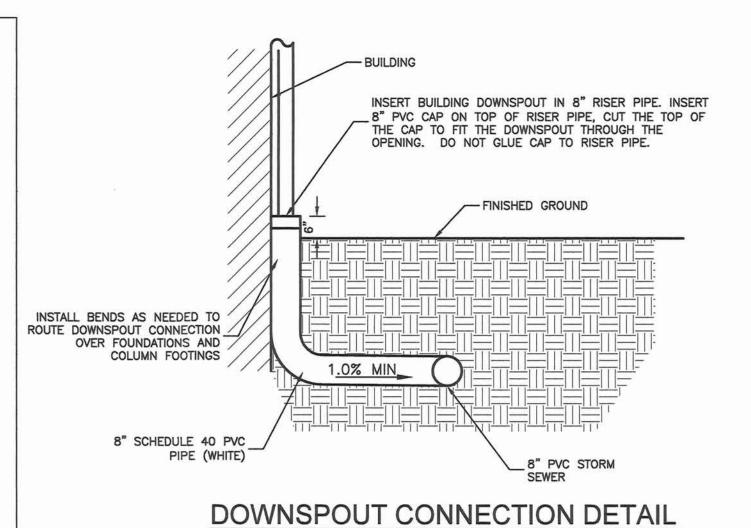




PANA SITE J

OPEN-THROAT CURB INTAKE PROTECTION

NOT TO SCALE



SEE NOTE 2-

NOT TO SCALE

18" CMP →

0

0

0

LEAVE TOP OF RISER OPEN

~~~~~ 15" CMP GROUT INTO END OF 15" RCP OUTLET PIPE

CORRUGATED METAL RISER

EMBED RISER 12"

-CONCRETE BASE

3"X1" CORRUGATIONS

1/2" EXPANSION JOINT AND - SEALANT AROUND BOLLARD

1'-6" TYPICAL BOLLARD DETAIL NOT TO SCALE

① DRILL FOUR, 5/8" DIAMETER HOLES, 3" FORM BOTTOM OF RISER PIPE AND INSERT TWO #4 BARS IN AN "X" CONFIGURATION.

② PROVIDE 6 1" DIAMETER HOLES EQUALLY SPACE AROUND RISER. SPACE ROWS 5" VERTICALLY.

LENGTH OF BARS = D+16"

- DETENTION BASIN DIKE

W/IDENTIFICATION SYMBOL. BOLT TO POST W/%" CADMIUM PLATED BOLTS, NUTS, & WASHERS. - THIS SIGN TYPICAL AT ALL "VAN ACCESSIBLE" PARKING SPACES VAN ACCESSIBLE - PENALTY SIGN WITH WORDING AS REQUIRED BY STATE OR LOCAL U-CHANNEL POST (3 LBS./FT.) EXTEND INTO CONCRETE FILLED PIPE 2'-0". DOME CONCRETE TO SHED WATER. IDEAL SHIELD 1/4" PLASTIC -BOLLARD COVER OR EQUAL (OSHA YELLOW UNLESS INDICATED OTHERWISE) CUT COVER TOP TO ACCOMMODATE SIGN POST — 4000 PSI CONCRETE 8" DIA. STEEL PIPE ----FILLED W/ CONCRETE

6" DIAMETER BOLLARD WITH

IDEAL SHIELD 1/4" PLASTIC

BOLLARD COVER OR EQUAL

(OSHA YELLOW UNLESS

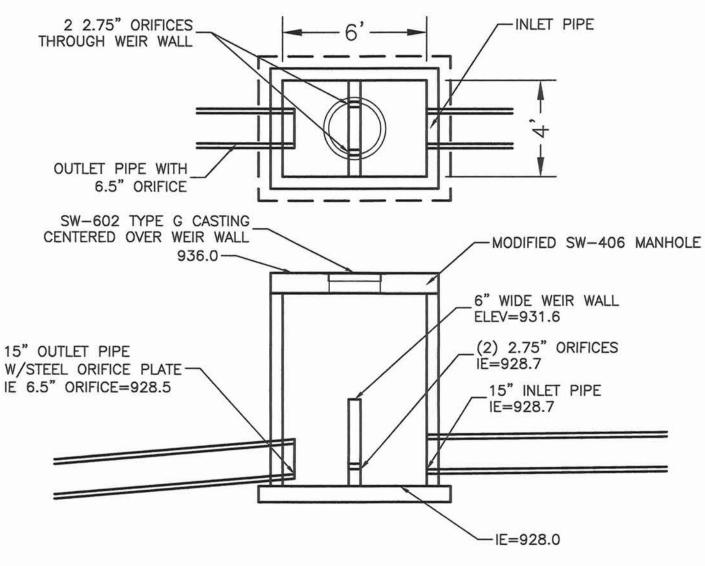
INDICATED OTHERWISE).

FILLED WITH CONCRETE.

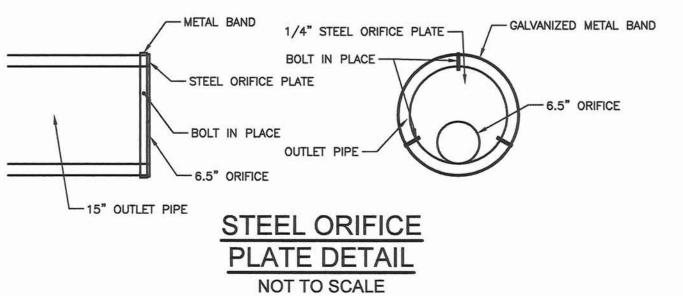
- 4000 PSI CONCRETE

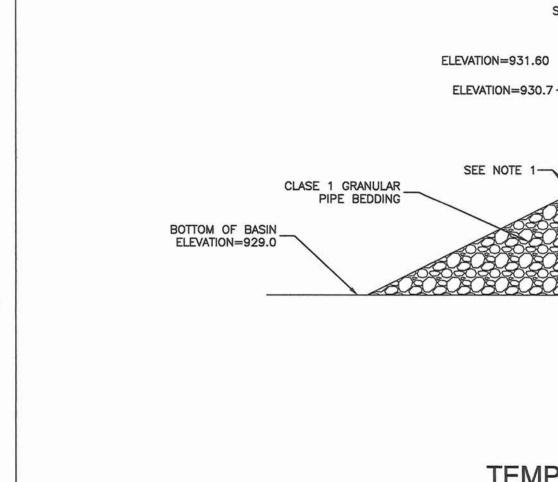
### HANDICAPPED PARKING SIGN DETAIL NOT TO SCALE

CENTER HANDICAPPED PARKING SIGN ON PARKING STALL. LOCATE SIGN POST 2' BACK FROM STALL.

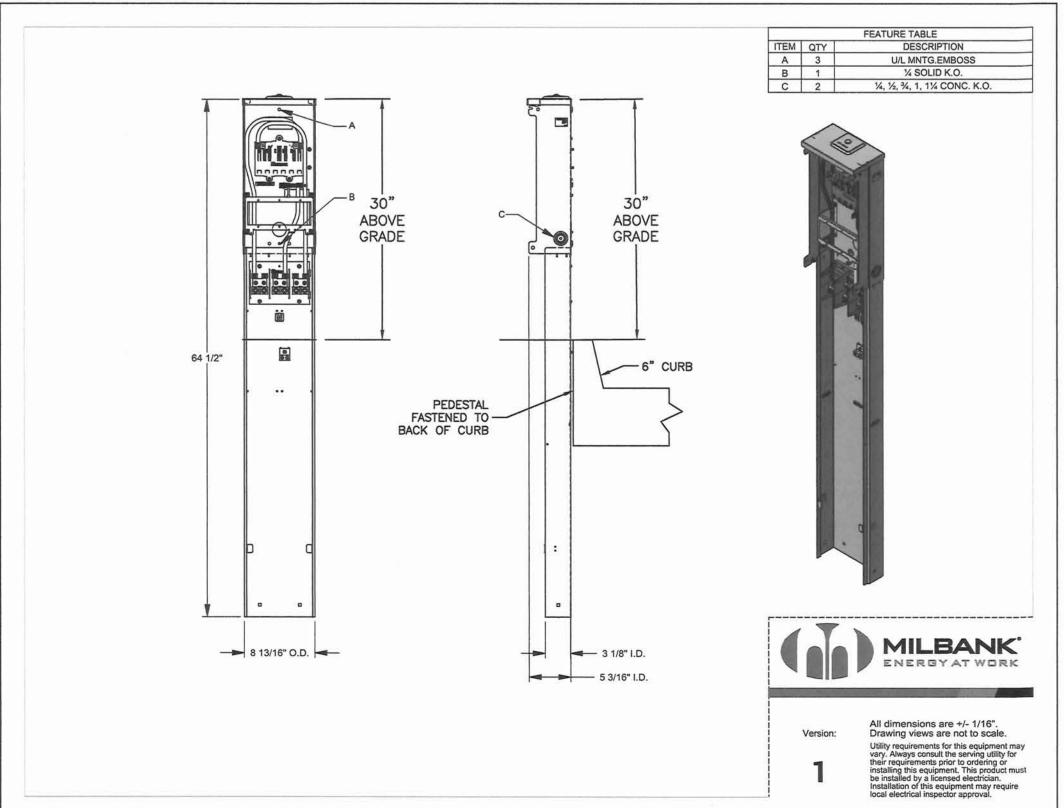


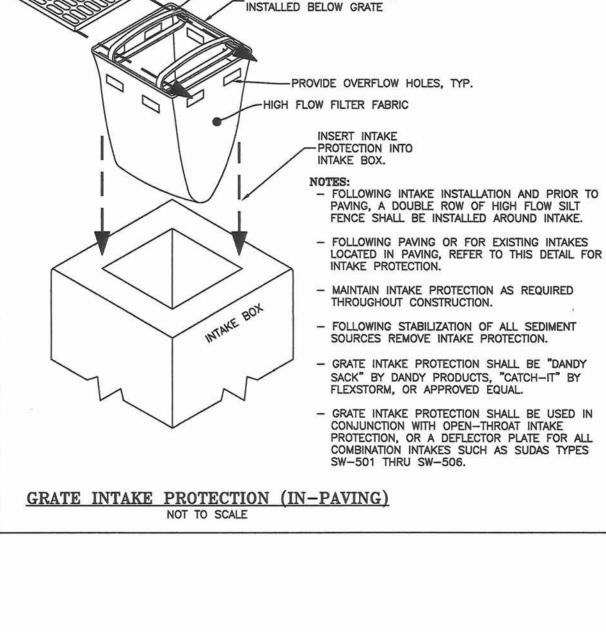
# **DETENTION POND OUTLET** STRUCTURE DETAIL NOT TO SCALE





# TEMPORARY SEDIMENT RISER DETAIL NOT TO SCALE





INTAKE PROTECTION TO BE

-INTAKE GRATE

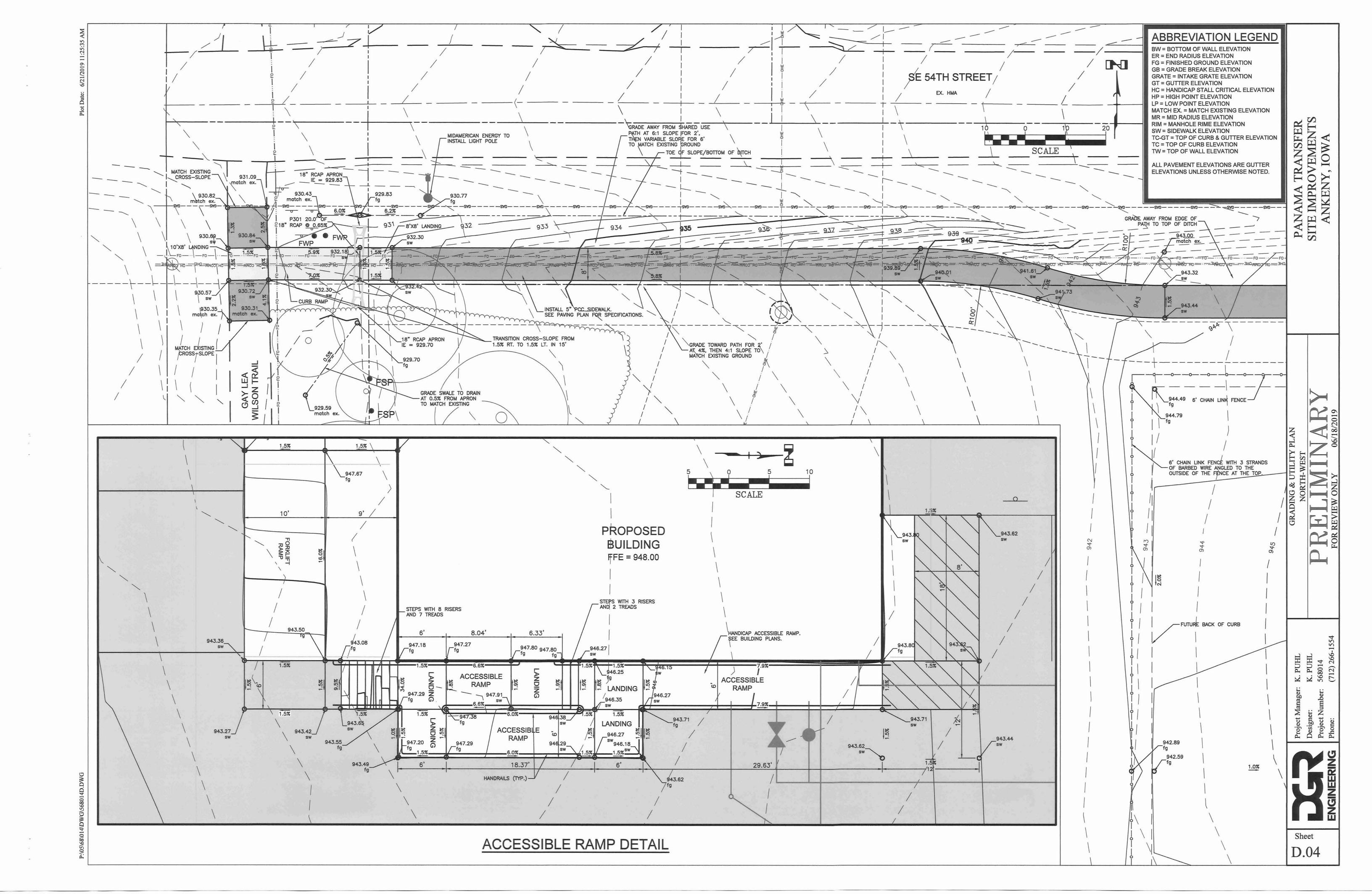
 $-1'-0" \times 1'-6" \times .080$  ALUMINUM HANDICAPPED PARKING SIGN. SIGN TO READ "RESERVED PARKING"

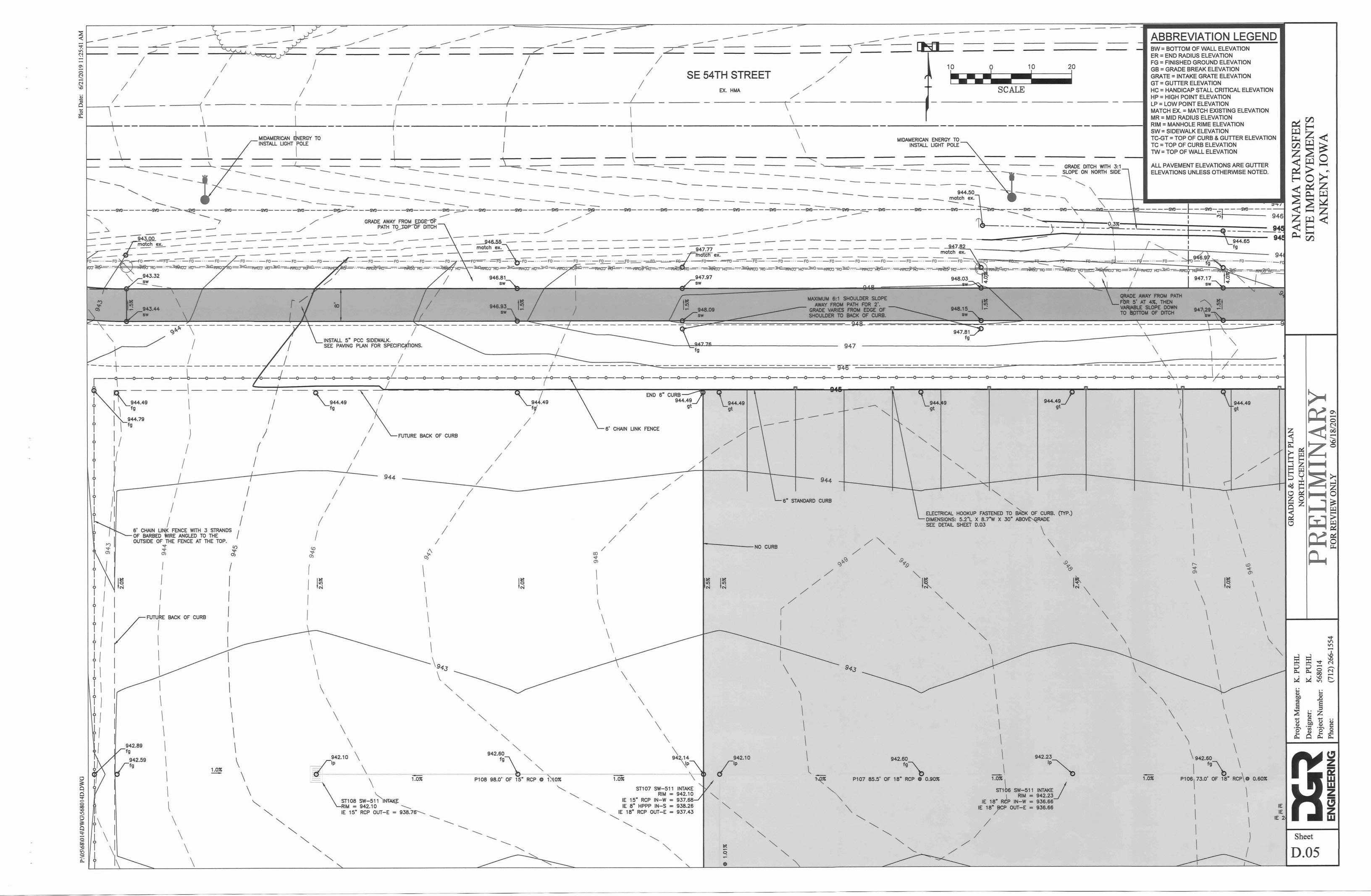
Sheet

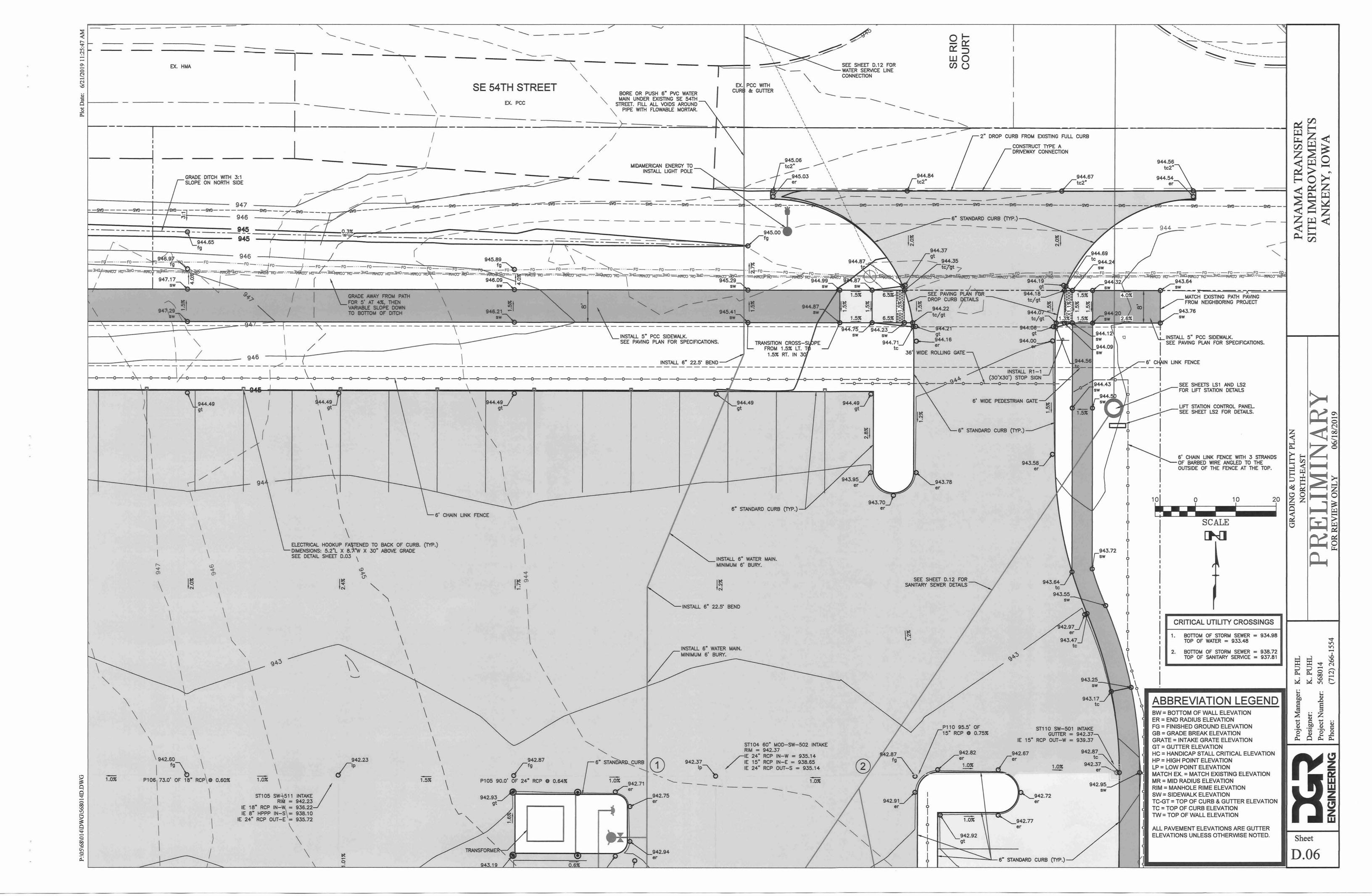
TRANSFER ROVEMENTS NY, IOWA

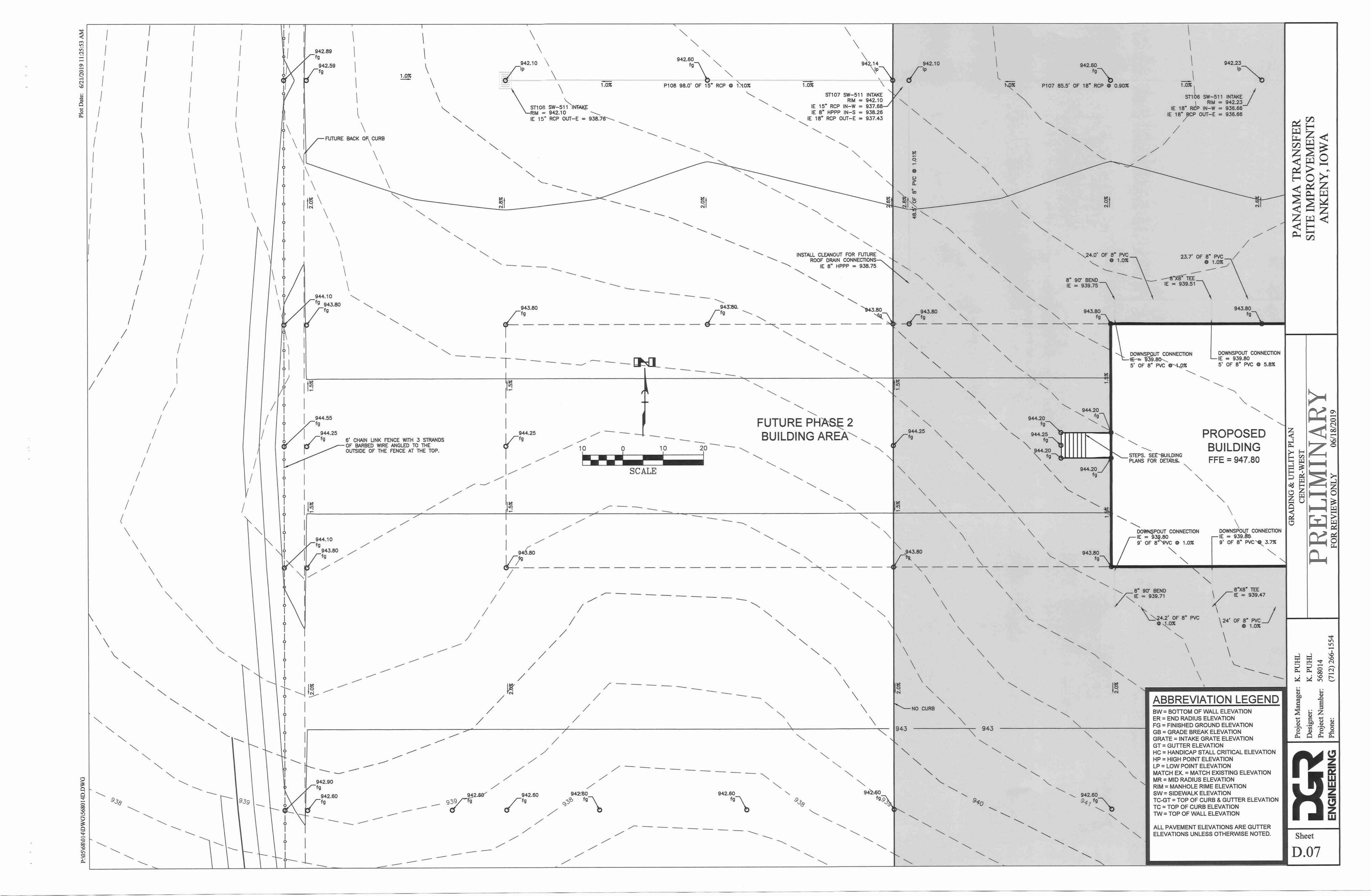
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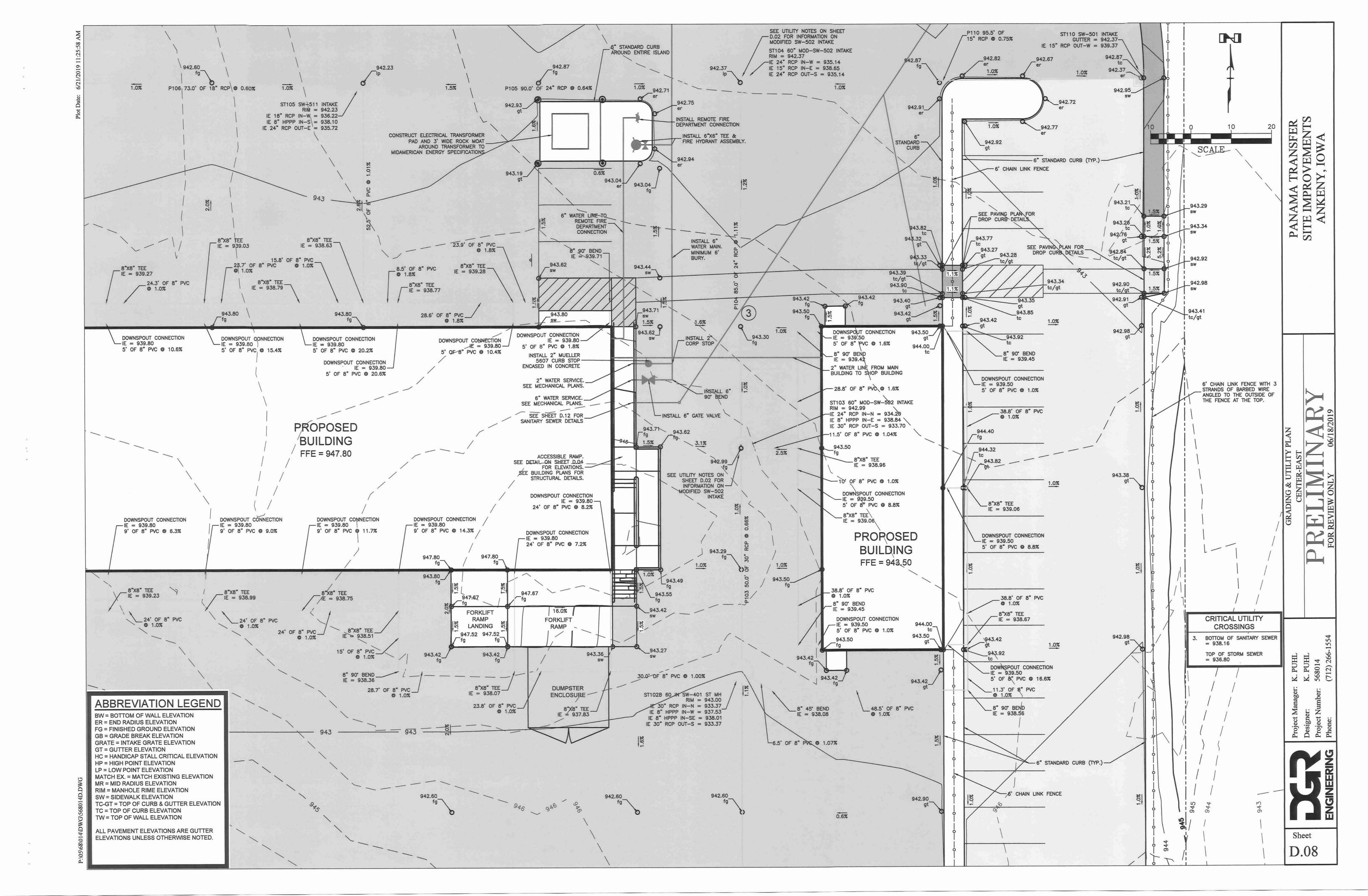
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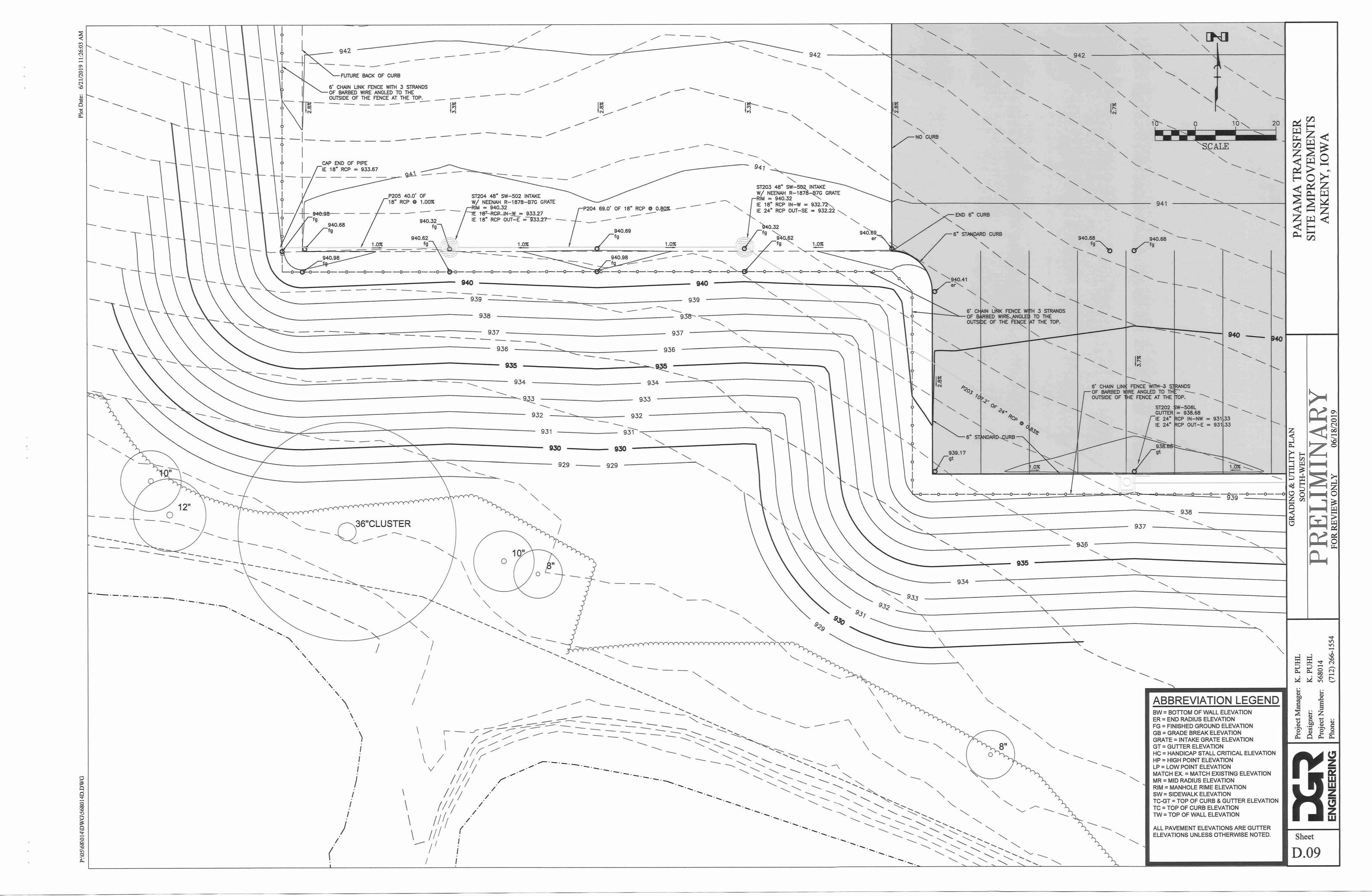


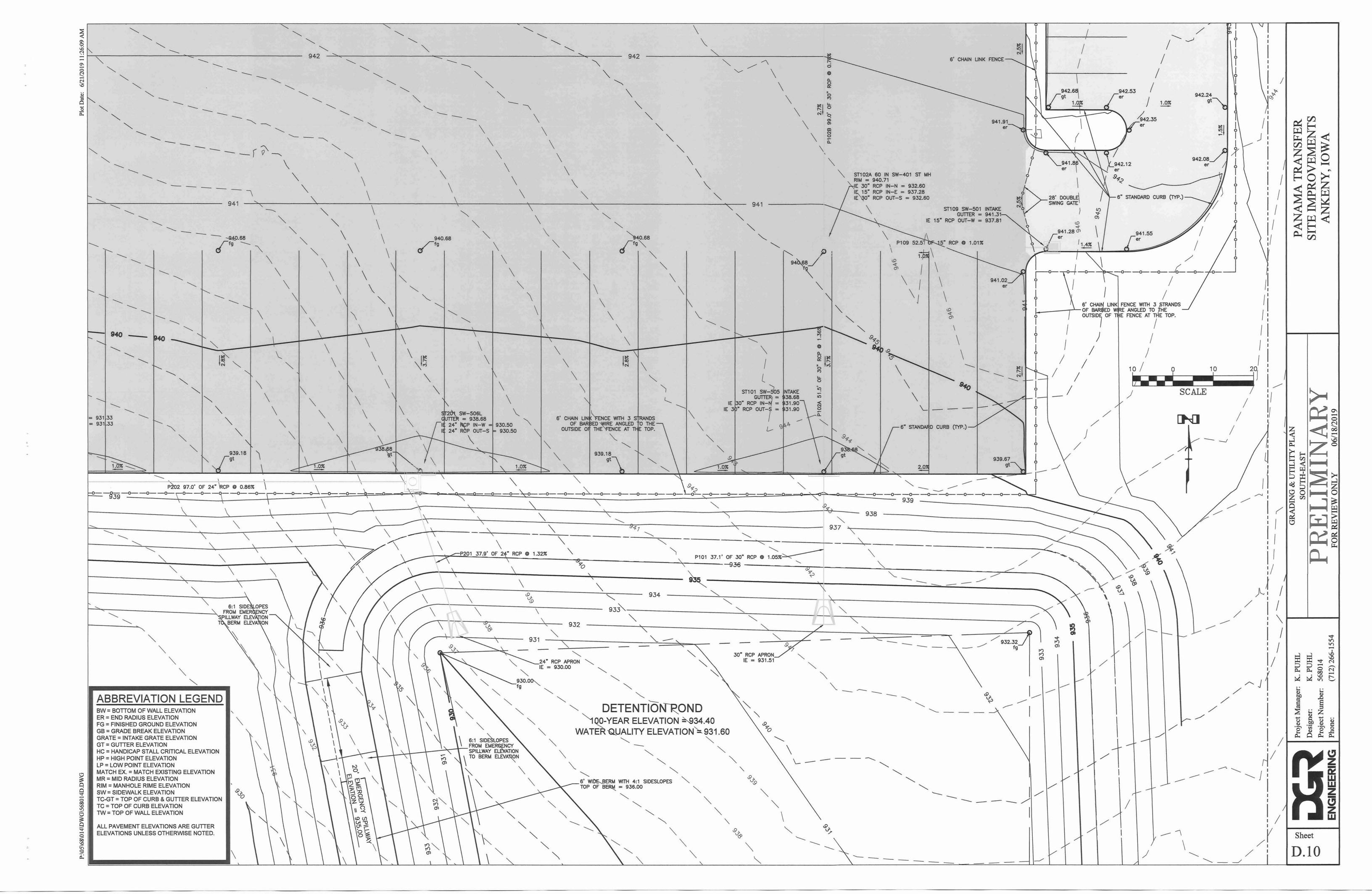


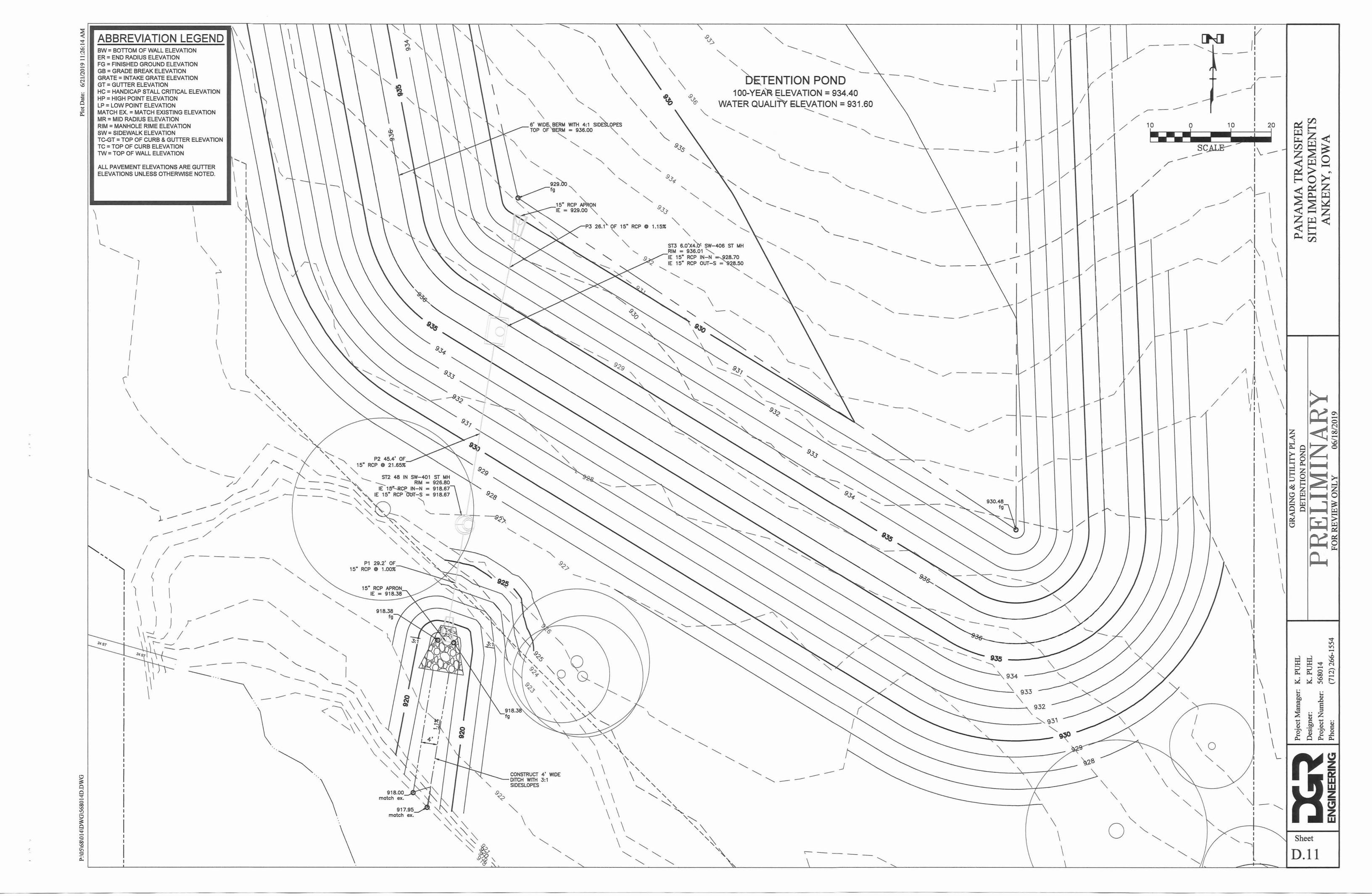


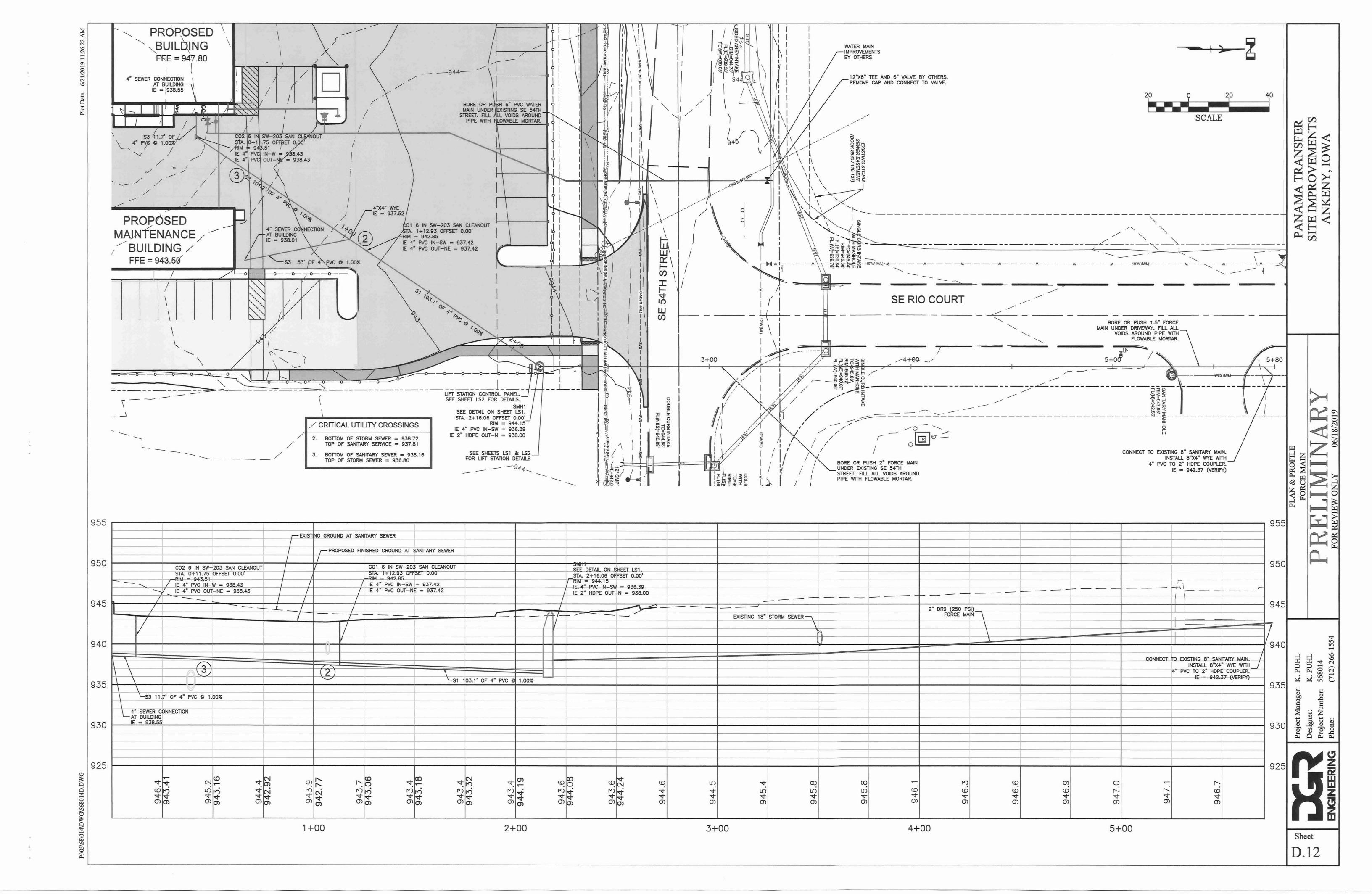


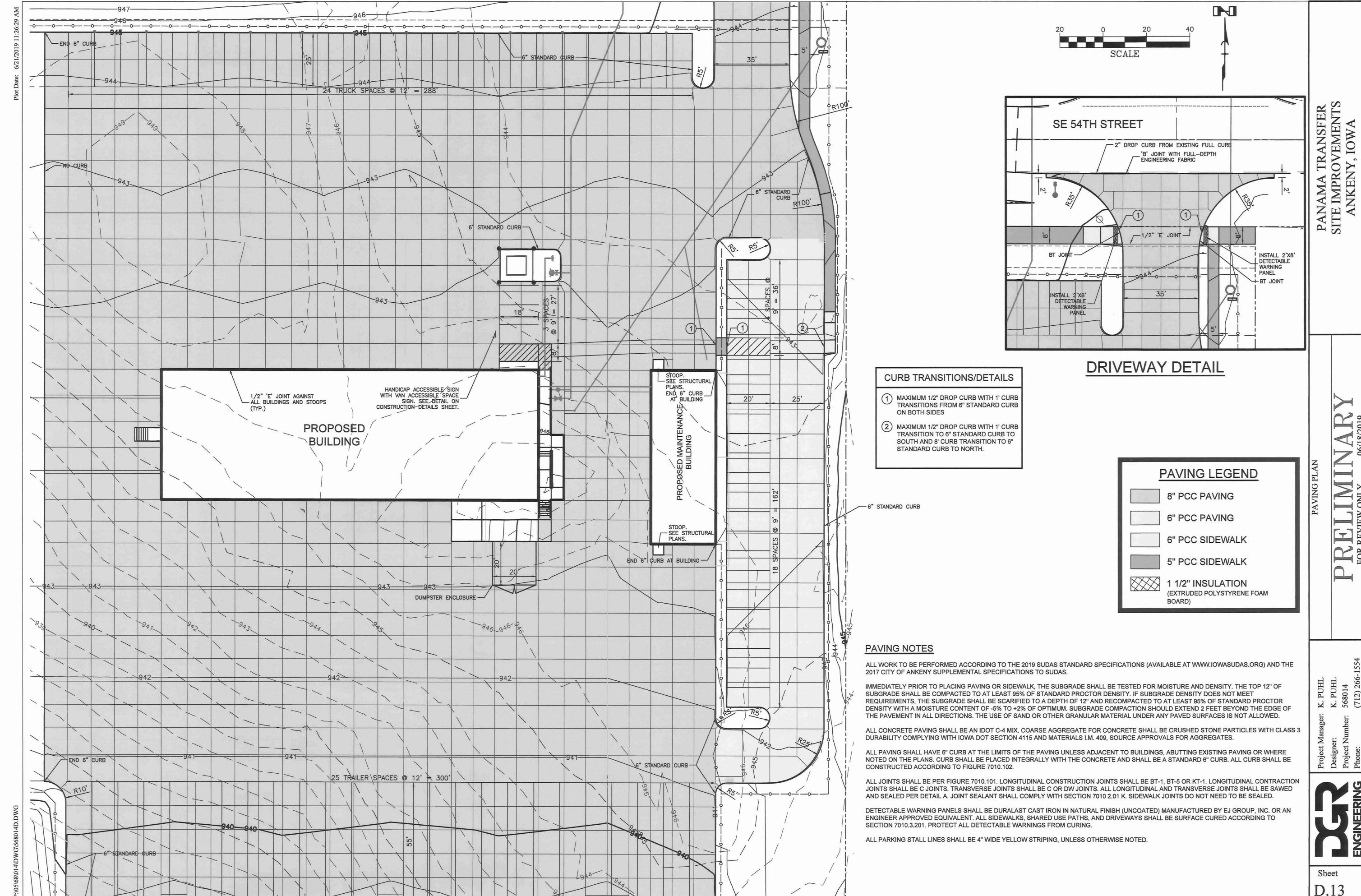


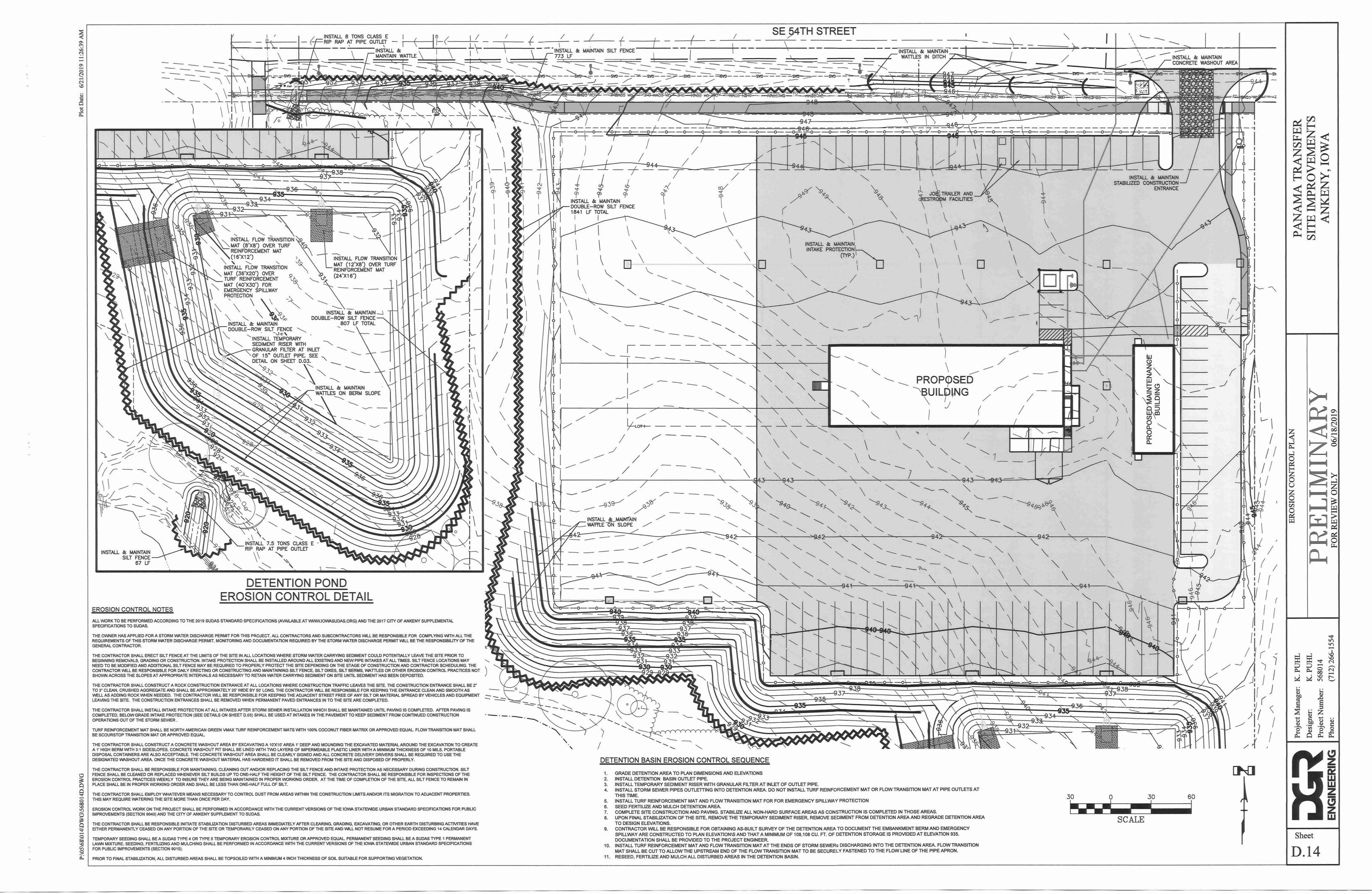


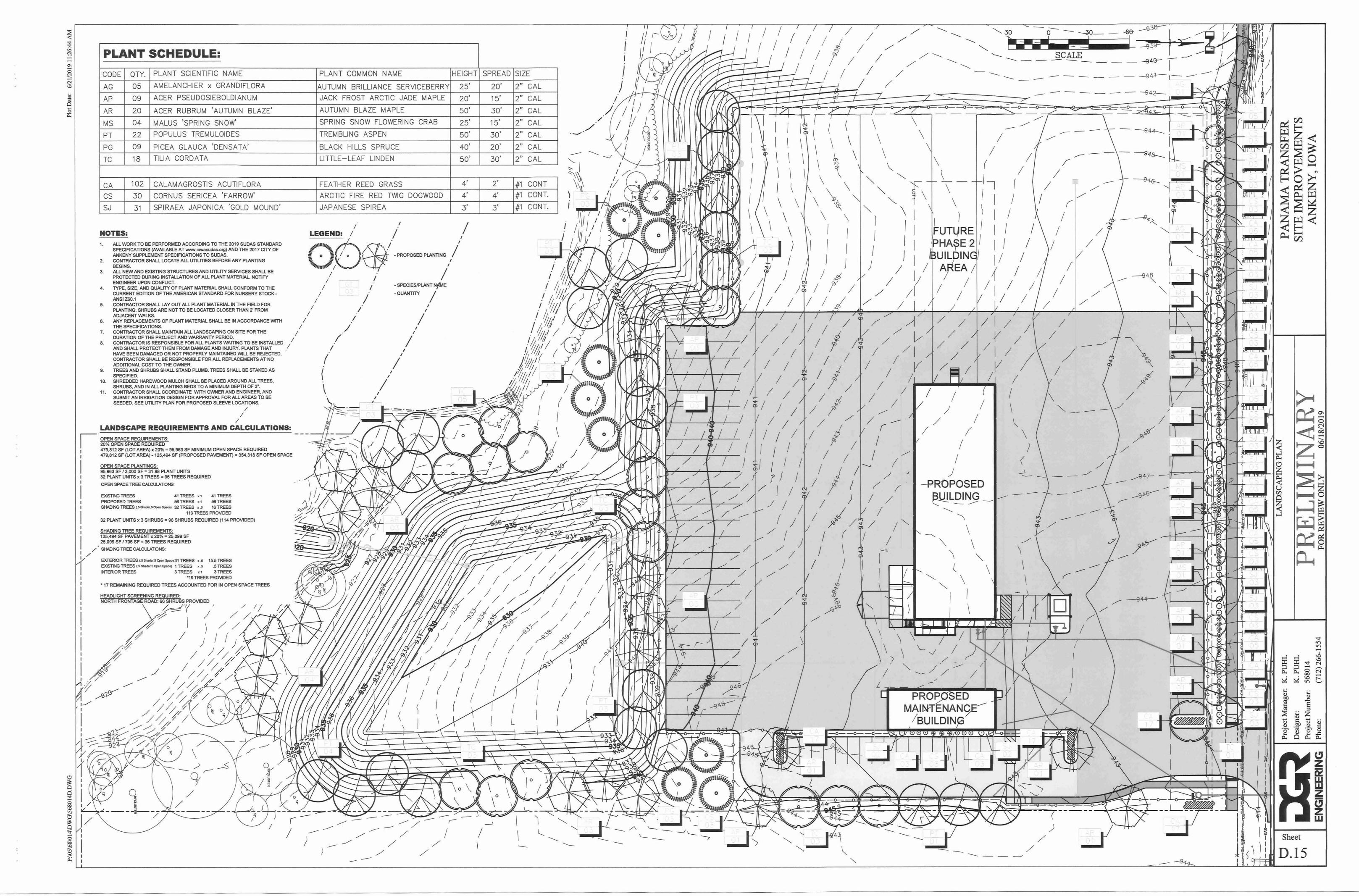


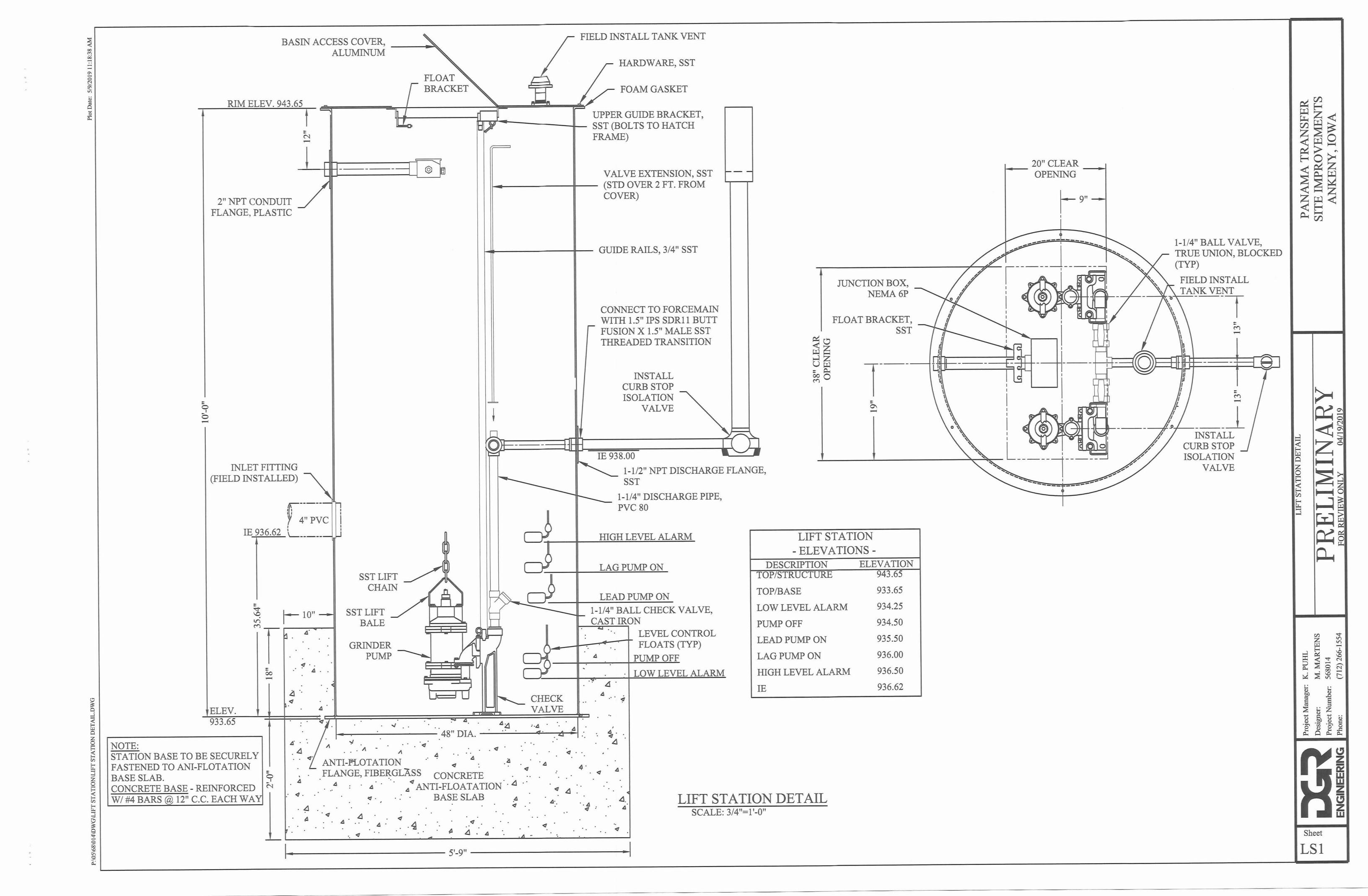




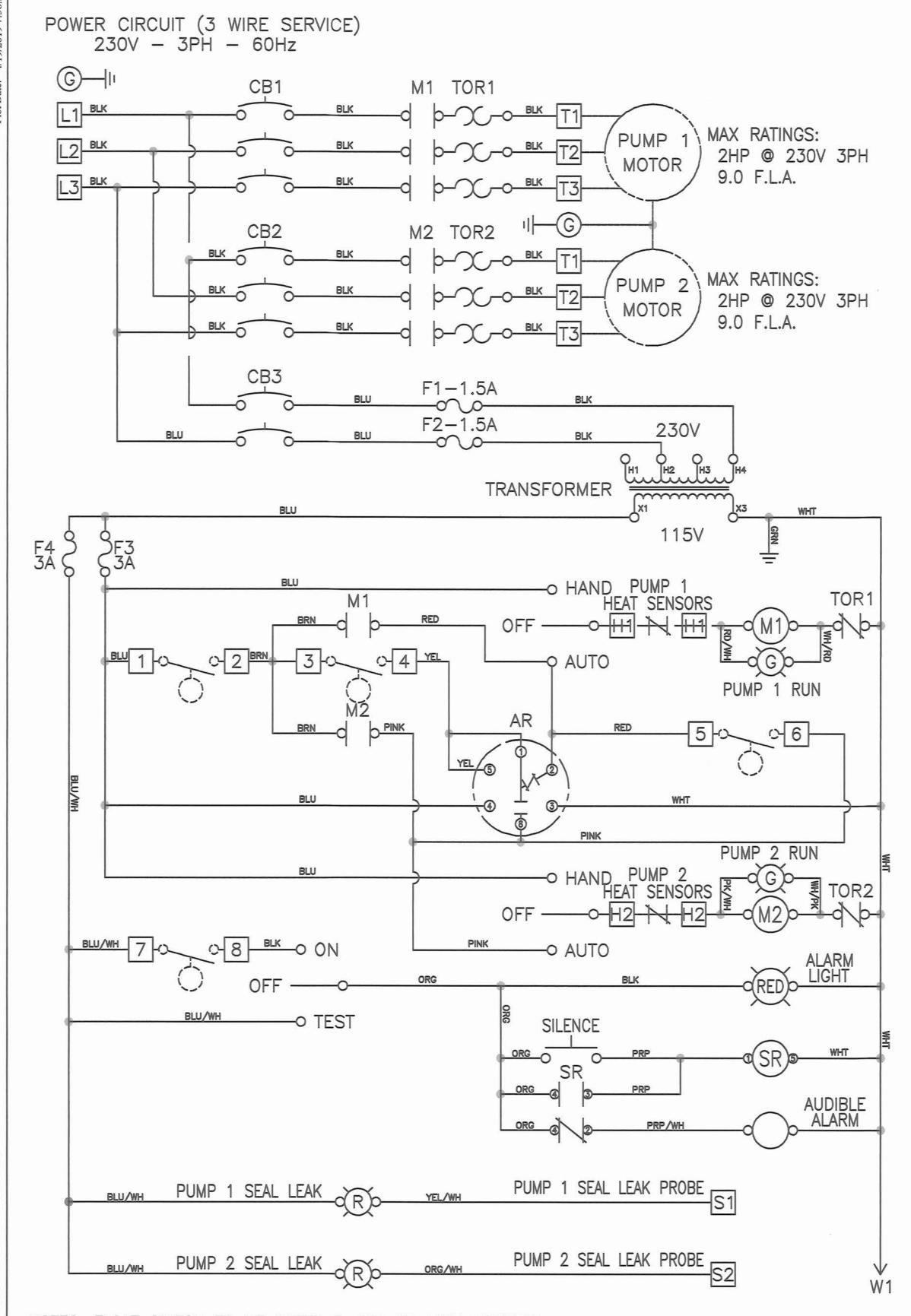








LS2



PUMP CONTROL PANEL MOUNTED TO THE SIDE OF BUILDING 1 1/2" GALV. CONDUCTORS SHALL BE MARKED WITH RIGID CONDUIT VINYL TAPE AT ALL CONNECTIONS.
NEUTRAL SHALL BE WHITE. INSTALL **FINISH** BUSHINGS ON ALL CONDUITS. GROUND NEUTRAL IN DISCONNECT. **GRADE** - 1 1/2" BUSHING 2" PVC 240V, 3Ø RIGID CONDUIT NOTE: PUMP POWER AND CONTROL CONDUITS SERVICE FROM SOURCE └ #6 BARE SHALL BE RIGID GALVANIZED STEEL ABOVE GROUND. UNDERGROUND CONDUIT TO PUMP STATION MAY BE RIGID PVC. 5/8" X 8'-0" CONDUITS CONNECTING TO THE PUMP CW GROUND ROD STATION SHALL BE SEALED ACCORDING TO NEC HAZARDOUS AREA GUIDELINES BEFORE ENTERING PUMP CONTROL PANEL. POWER SUPPLY

SIMPLEX LIFT STATION

SCALE: 3/8"=1'-0"

NOTES: FLOAT SWITCH TO BE RATED 2 AMP AT 120V MINIMUM. MAIN PANEL DISCONNECT MUST BE PROVIDED BY INSTALLER. DASHED LINES INDICATE ITEMS NOT CONTAINED IN THE PANEL. REQUIRED TORQUE FOR TERMINAL BLOCK SCREWS IS 16 in-Ibs. FIELD WIRING MUST BE A MINIMUM OF 60°C COPPER WIRE.

# CONTROL PANEL WIRING DIAGRAM

NOT TO SCALE