

# DRAWINGS FOR PROPOSED IMPROVEMENTS FOR RAPIDS ADA FACILITY IMPROVEMENTS CITY HALL & FIRE STATION 7

**CEDAR RAPIDS, IA**  
**CONTRACT NO: 360110, 360101**

LOCATION MAP (NOT TO SCALE)

UTILITY & EMERGENCY TELEPHONE NUMBERS	
	CONTACT NUMBER
CITY OF CEDAR RAPIDS, IA	
PUBLIC WORKS - ENGINEERING	(319) 286-5802
PUBLIC WORKS - SANITARY & STORM SEWER	(319) 286-5826
WATER DEPARTMENT	(319) 286-5900
TRANSIT	(319) 286-5573
CITY ARBORIST	(319) 286-5616
POLICE	
BUSINESS	(319) 286-5491
EMERGENCY	911
FIRE	
BUSINESS	(319) 286-5200
EMERGENCY	911
IOWA ONE CALL - UTILITIES	811
ALLIANT UTILITIES	(319) 786-1908
AT&T	(319) 364-6111
CENTURY LINK	(319) 399-7600
IOWA NETWORK SERVICE	(319) 533-2319
ITC MIDWEST	(319) 297-6765
JOINT COMMUNICATIONS NETWORK	(319) 286-5491
IMON COMMUNICATIONS	(319) 261-4640
MEDIACOM	(319) 395-9699 ext. 354
MID AMERICAN ENERGY	(319) 298-5162
LINN COUNTY REC	(319) 377-1587
WINDSTREAM	(319) 538-1985

CITY OF CEDAR RAPIDS PROJECT CONTACTS:

Jeff Koffron  
City of Cedar Rapids  
Facilities Maintenance Supervisor  
City Services Center  
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Cedar Rapids, IA 52404  
319-286-5601

April Wing  
City of Cedar Rapids  
Project Coordinator - Development Services  
City Hall  
101 1st Street SE  
Cedar Rapids, IA 52401  
(319) 286-5683



## INDEX OF SHEETS

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CH2.0	QUANTITIES FOR CITY HALL
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CH4.0	CITY HALL WEST PATIO, WEST EMPLOYEE ENTRY, SOUTH ENTRY
FS 1.0	QUANTITIES FOR FIRE STATION 7
FS 2.0	FIRE STATION 7

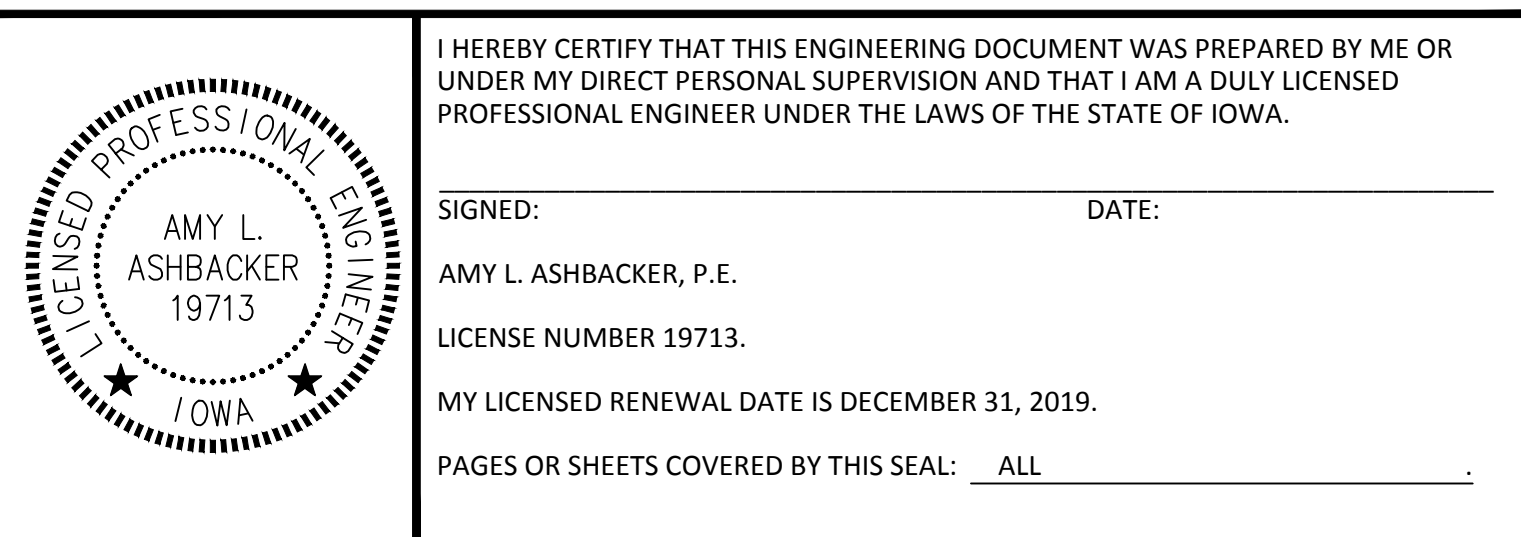
## CITY COUNCIL

MAYOR . . . BRADLEY HART

AT LARGE . . . SUSIE WEINACHT	DISTRICT 2 . . . SCOTT OVERLAND
AT LARGE . . . ANN POE	DISTRICT 3 . . . DALE TODD
AT LARGE . . . TYLER OLSON	DISTRICT 4 . . . SCOTT OLSON
DISTRICT 1 . . . MARTIN HOEGER	DISTRICT 5 . . . ASHLEY VANORNY

NOTE:

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF JUSTICE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE CURRENT CEDAR RAPIDS METROPOLITAN AREA STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.



## CITY OF CEDAR RAPIDS

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

PUBLIC WORKS DIRECTOR / CITY ENGINEER

DATE \_\_\_\_\_

PROJECT NUMBER:  
16-1257 17-0393

PROJECT NAME:  
ADA FACILITY  
IMPROVEMENTS

**PREPARED BY:**

# hbk

ENGINEERING

**HBK ENGINEERING, LLC**  
**1202 3rd STREET SE**  
**SUITE 100**  
**CEDAR RAPIDS, IA 52401**  
**PHONE: (319) 536-3936**  
**FAX: (319) 358-2937**

WWW.HBKENGINEERING.COM

OWNER



**SHEET:**

COVER SHEET

CITY FILE NUMBER

DATE CREATED:

12/11/2018

## DRAWING LOG

[illegible]

HBK PROJECT MANAGER

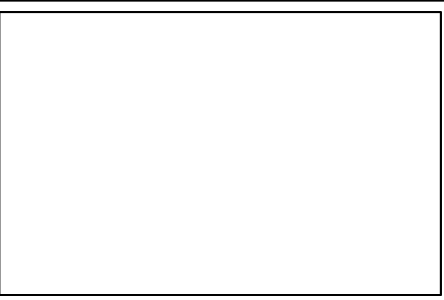
ALA

**SHEET:**

CH1.0



ESTIMATED PROJECT QUANTITIES for CITY HALL				
BID ITEM NO.	STD. ITEM NO.	DESCRIPTION	QTY	UNIT
1	01100-01	Mobilization	1	LS
2	01100-10	Construction Survey	1	LS
3	01400-11	Removal of Existing Sidewalk	150	SY
4	01400-70	Removal of Existing Pavement Markings	58	LF
5	01400-80	Removal of Existing Pavement Symbols	1	EA
6	02600-20	Adjustment of Existing Structures (Clean-out Frame & Lid)	1	EA
7	02700-70	Portland Cement Concrete Sidewalk - 5"	150	SY
8	02700-78	Detectable Warnings	72	SF
9	02850-01	Pavement Markings, Painted, 4 in. Yellow	62	LF
10	02850-20	Pavement Symbols, Painted	1	EA
11	02900-30	Grading and Sodding	33	SY
12	02960-01	Perforated Square Steel Tube Posts	3	EA
13	02960-05	Signs, Sheet Aluminum	10	SF
14	02960-06	Remove and Reinstall Existing Signs with New Posts	1	EA
15	02960-30	Repair Handrailing	1	LS
16	02960-40	New Handrailing	1	LS



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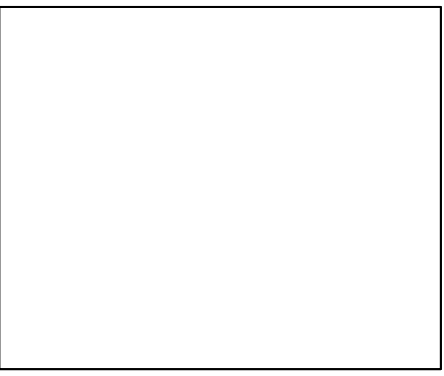
OWNER:



**CEDAR RAPIDS**  
City of Five Seasons

SHEET:

QUANTITIES



CITY FILE NUMBER  
360110

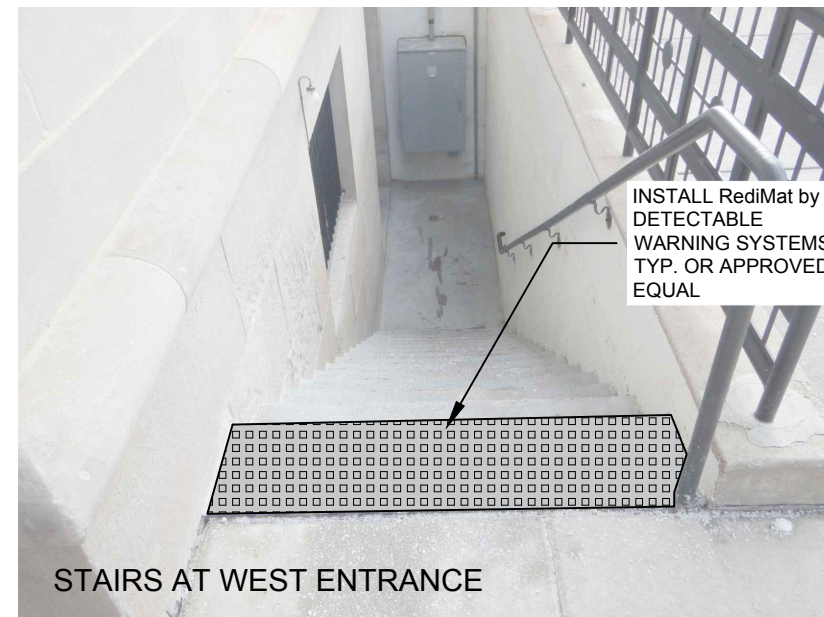
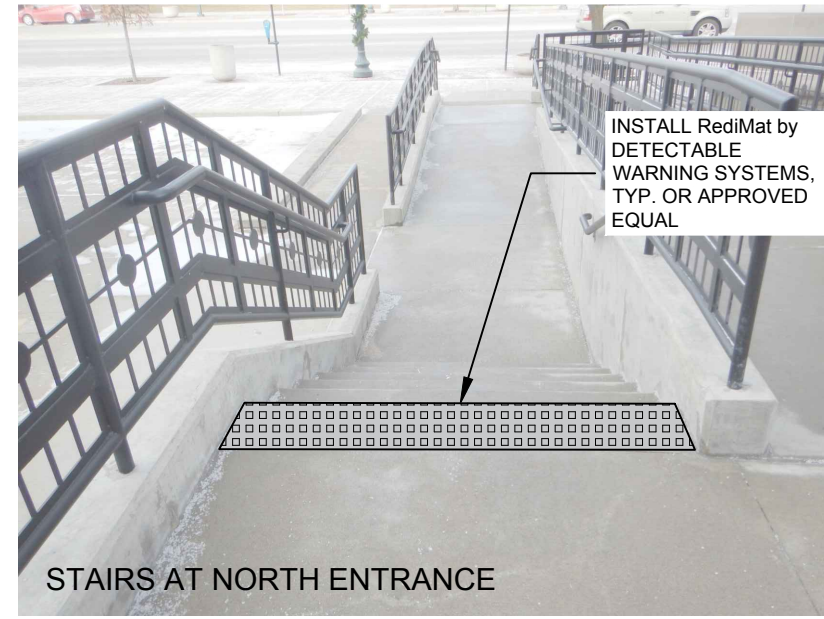
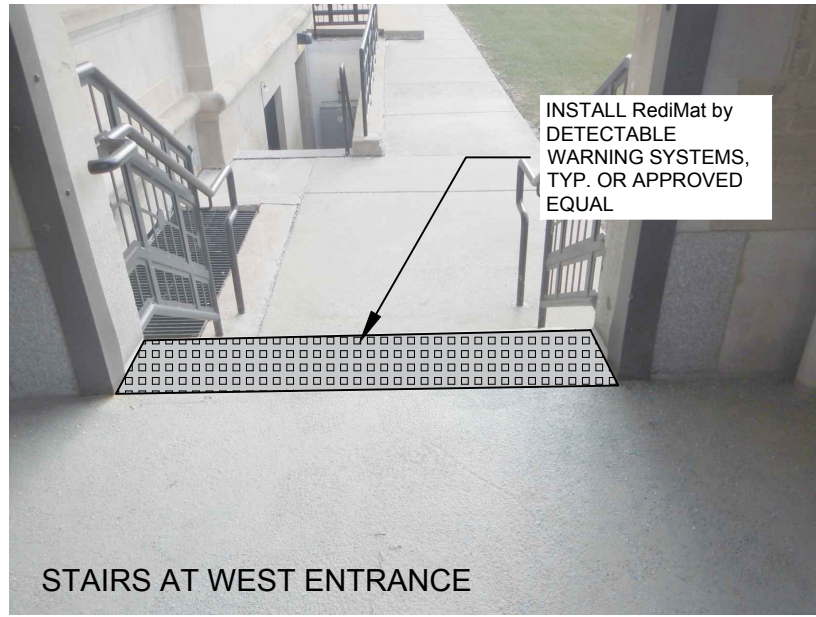
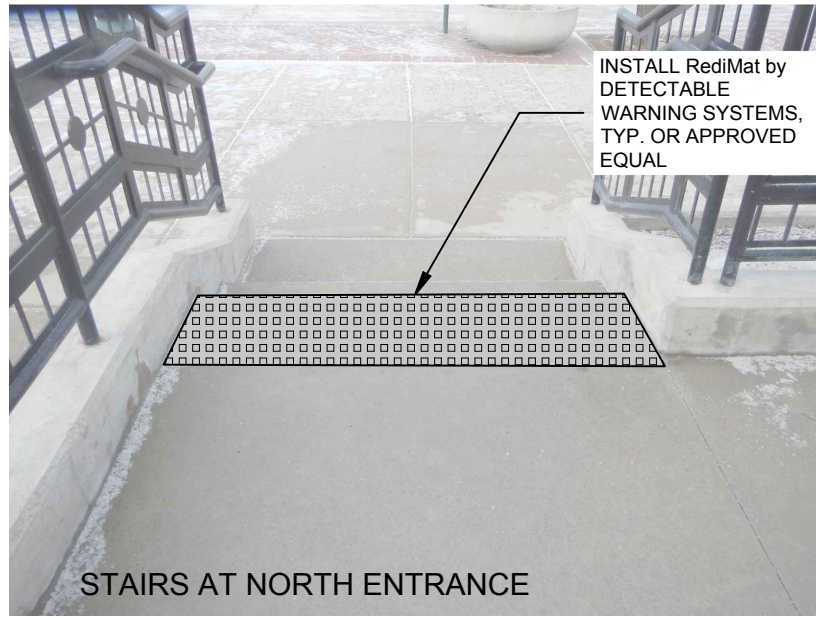
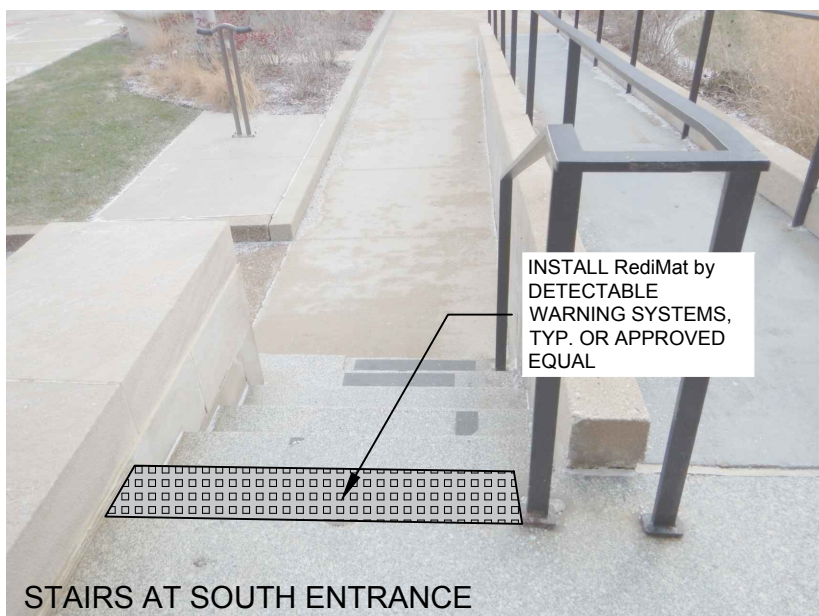
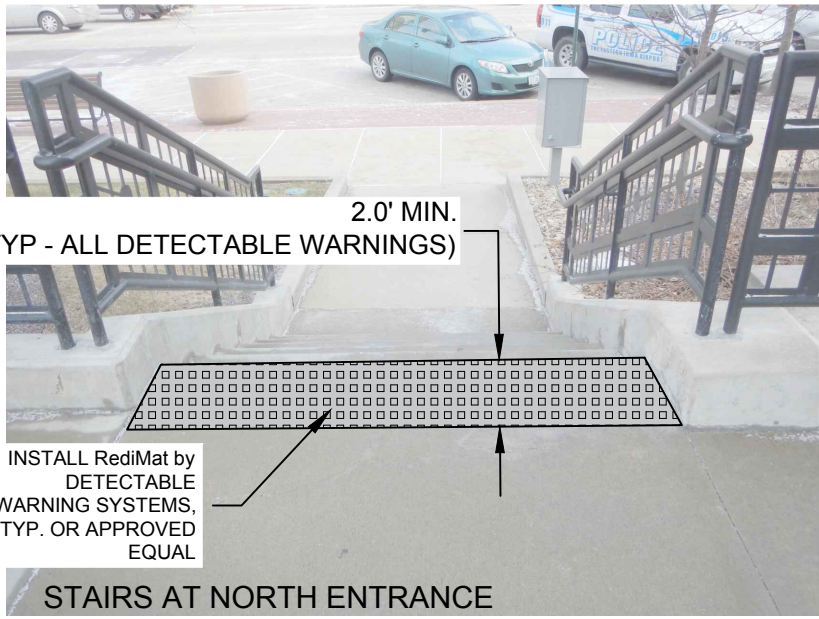
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12/11/2018

DRAWING LOG				
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01/04/19	FOR REVIEW	EMS	ALA	
02/13/19	FOR BID	EMS	ALA	

HBK PROJECT MANAGER:  
ALA

SHEET:  
CH2.0





NOTE: ALL DETECTABLE WARNINGS TO HAVE IN-LINE TYPE TRUNCATED DOMES.

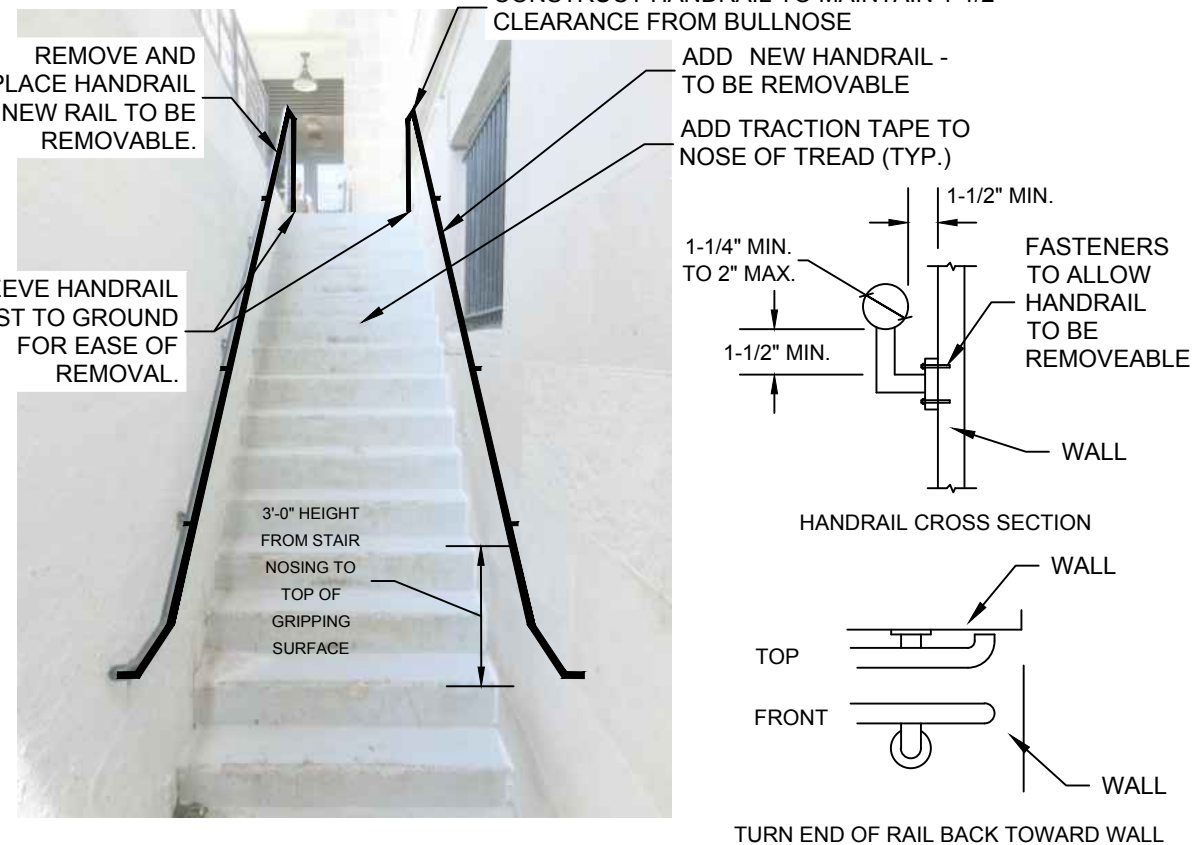
#### DETECTABLE WARNINGS AT TOP OF STAIRS



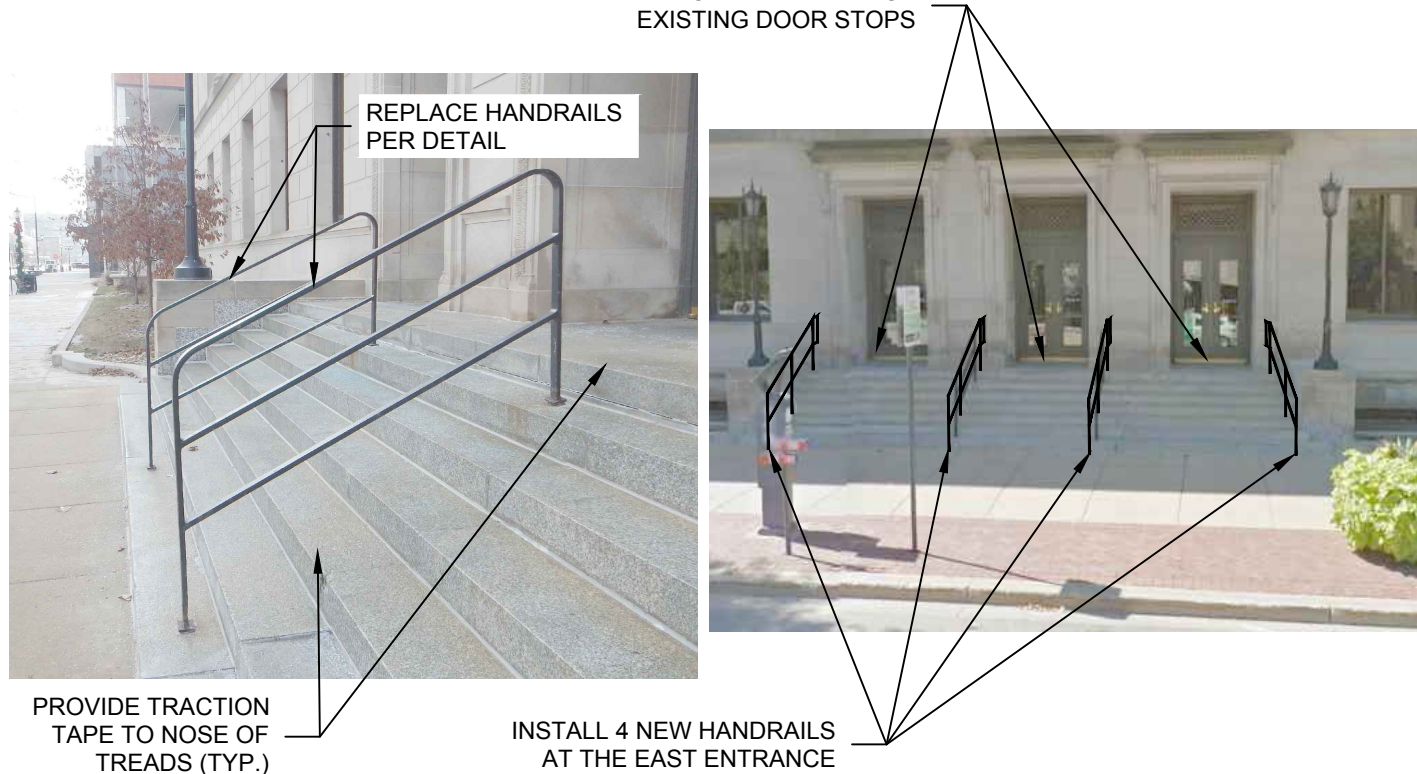
RETIROFIT NEW PIECE TO MAKE HANDRAIL CONTINUOUS AROUND CORNER. RECONNECT TO AT LEAST ONE OF THE EXISTING END POSTS EITHER WITH BRACKET SUPPORT OR WELDED TUBE PIECE.

NOTE: GRIND WELDS AND CONNECTIONS AS REQUIRED TO PROVIDE A SMOOTH SURFACE FREE OF BURRS. FIELD PAINT AFTER INSTALLATION. MATCH EXISTING PAINT COLOR.

#### WEST ENTRANCE - BASEMENT

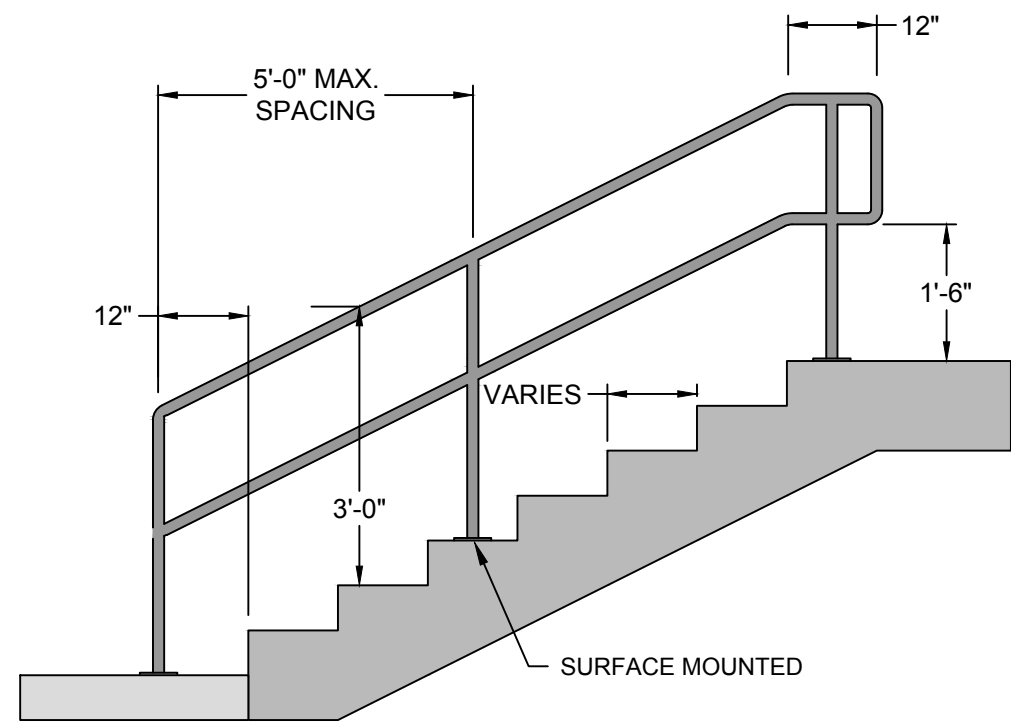


#### EAST ENTRANCE



PROVIDE TRACTION TAPE TO NOSE OF TREADS (TYP.)

INSTALL 4 NEW HANDRAILS AT THE EAST ENTRANCE

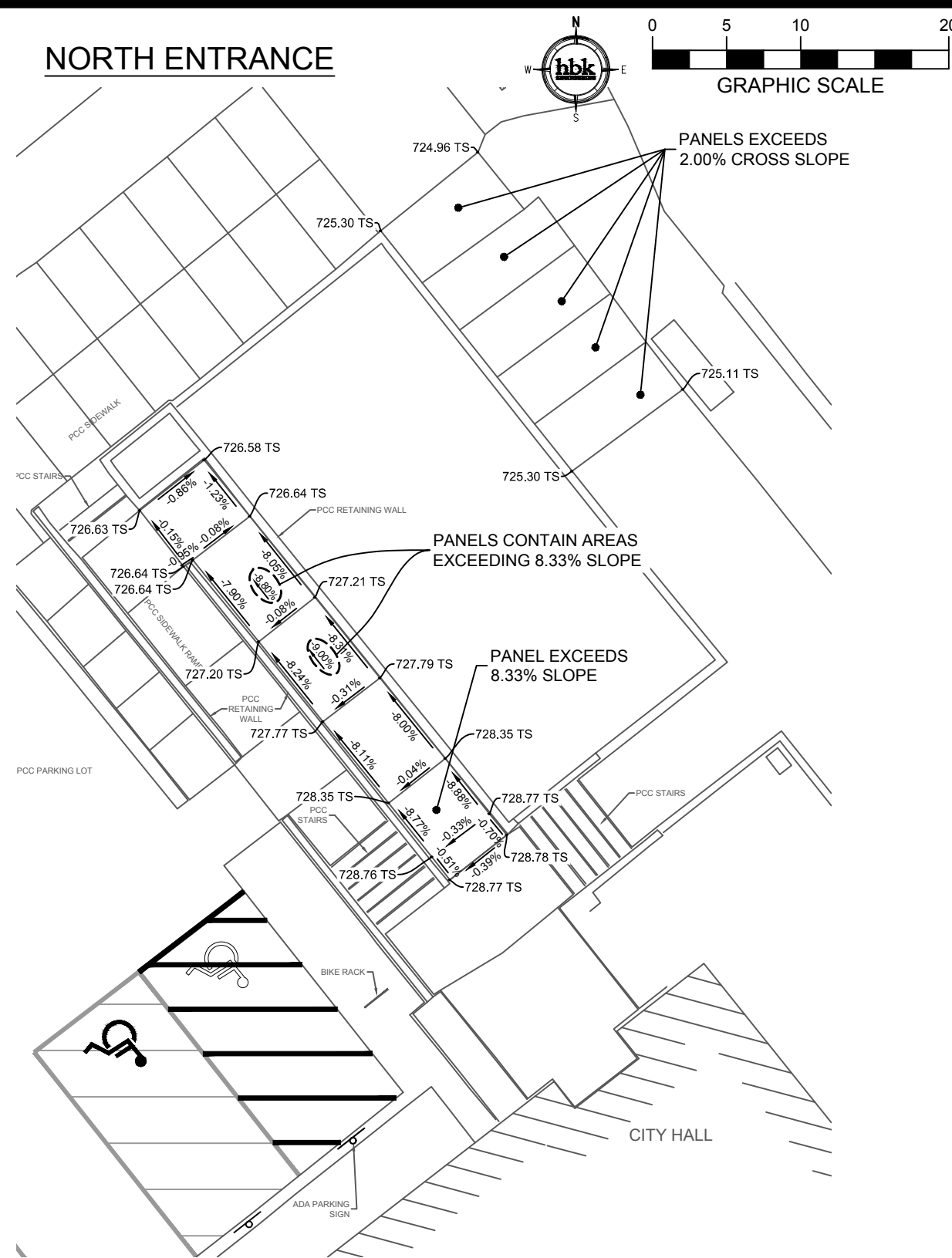


#### NOTES:

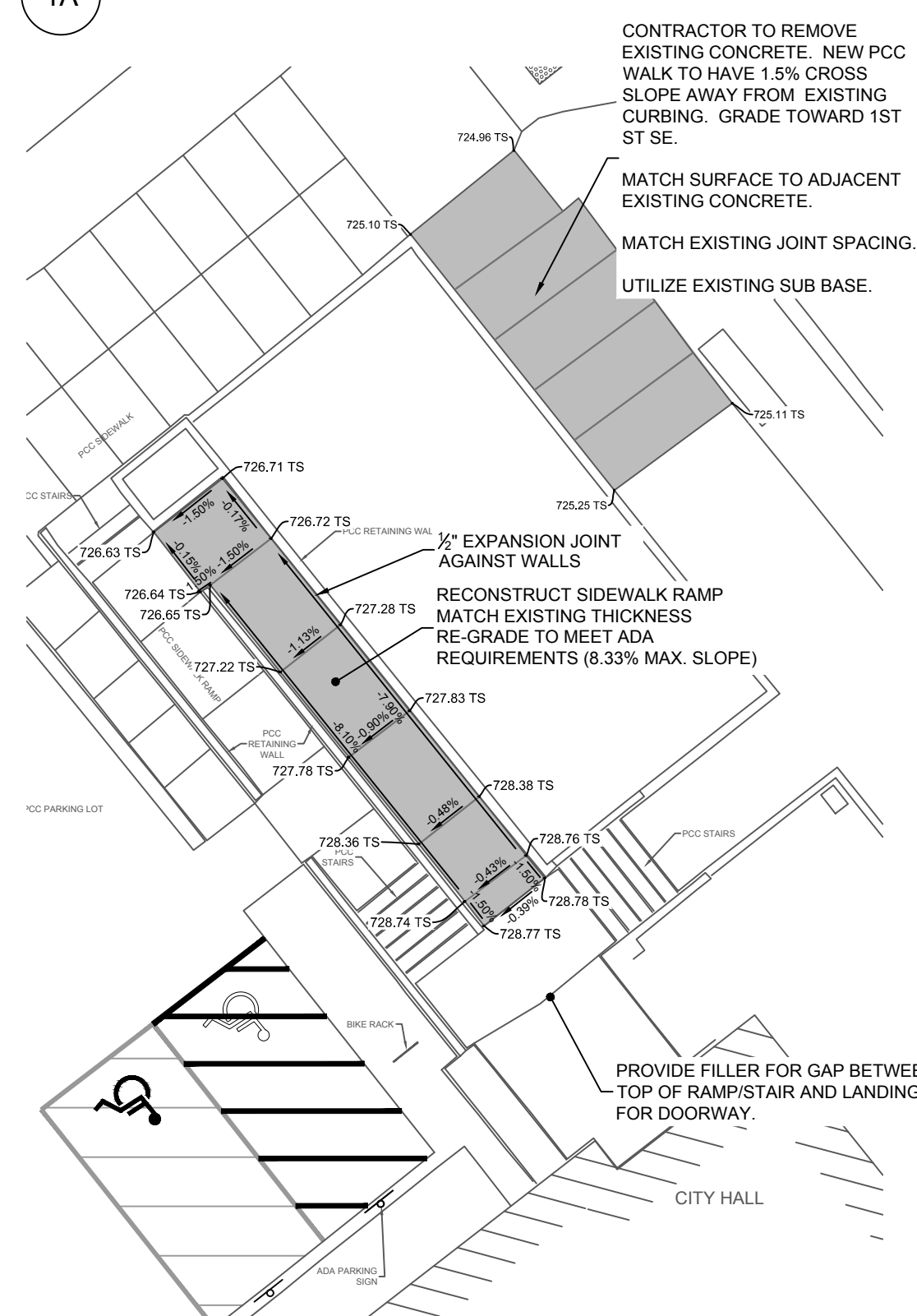
- 1) CONTRACTOR TO MEASURE TOTAL LENGTH, RISE, & ANGLE OF EXISTING STEPS.
- 2) HANDRAIL DIAMETER: 1-1/4" MIN. TO 2" MAX.

HANDRAIL DIMENSION REQUIREMENTS  
NTS

#### NORTH ENTRANCE



#### 1A EXISTING SITE CONDITION

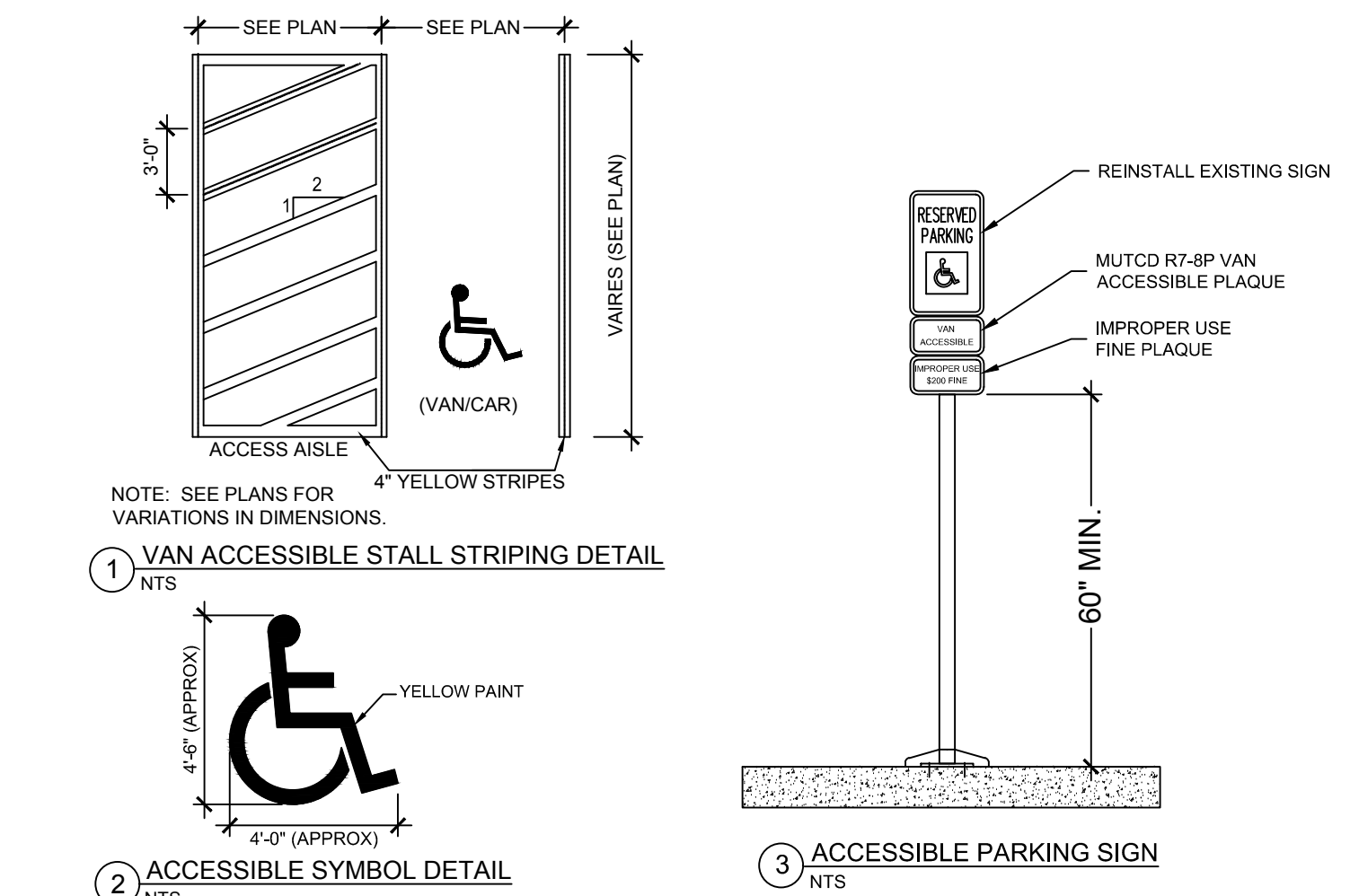
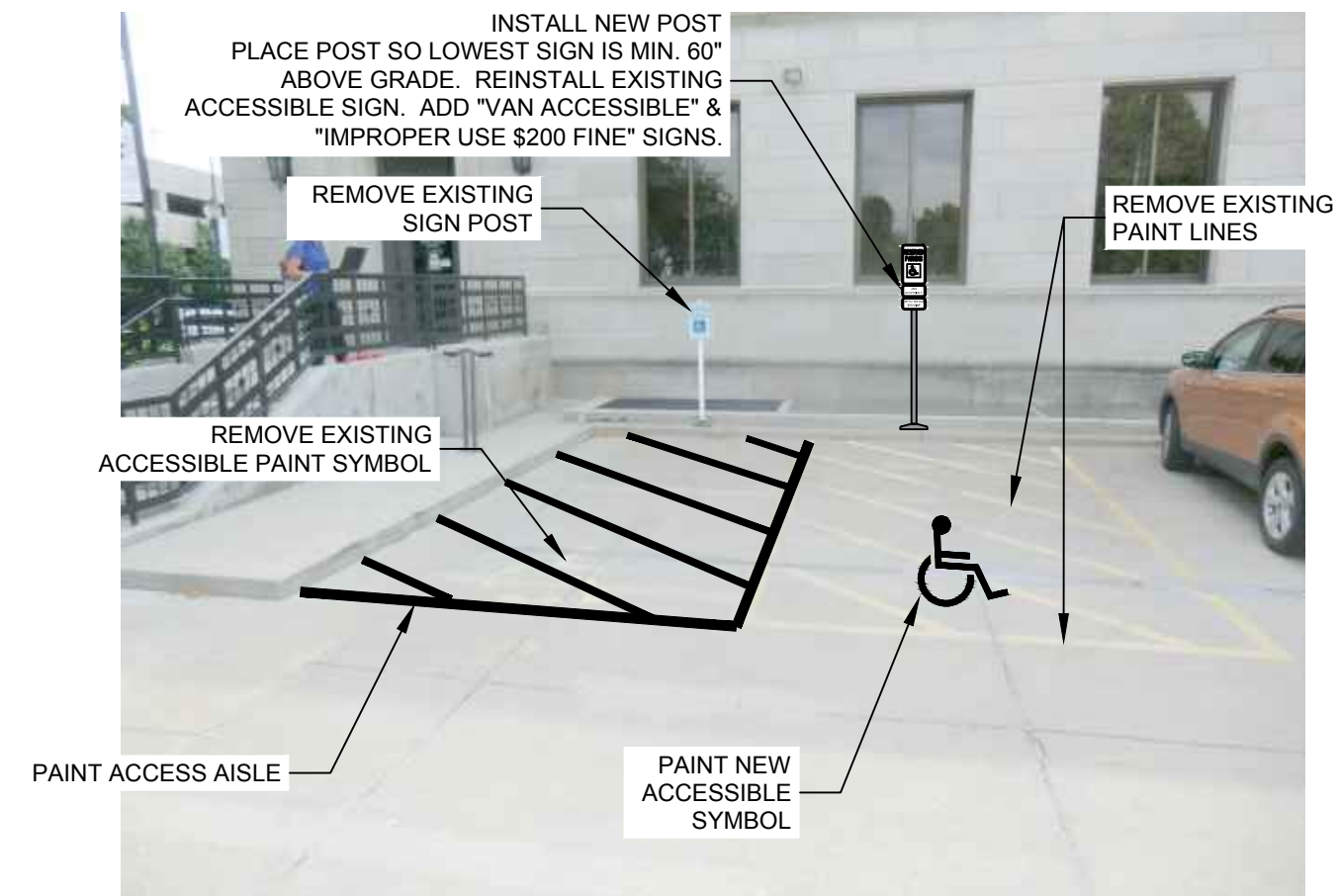
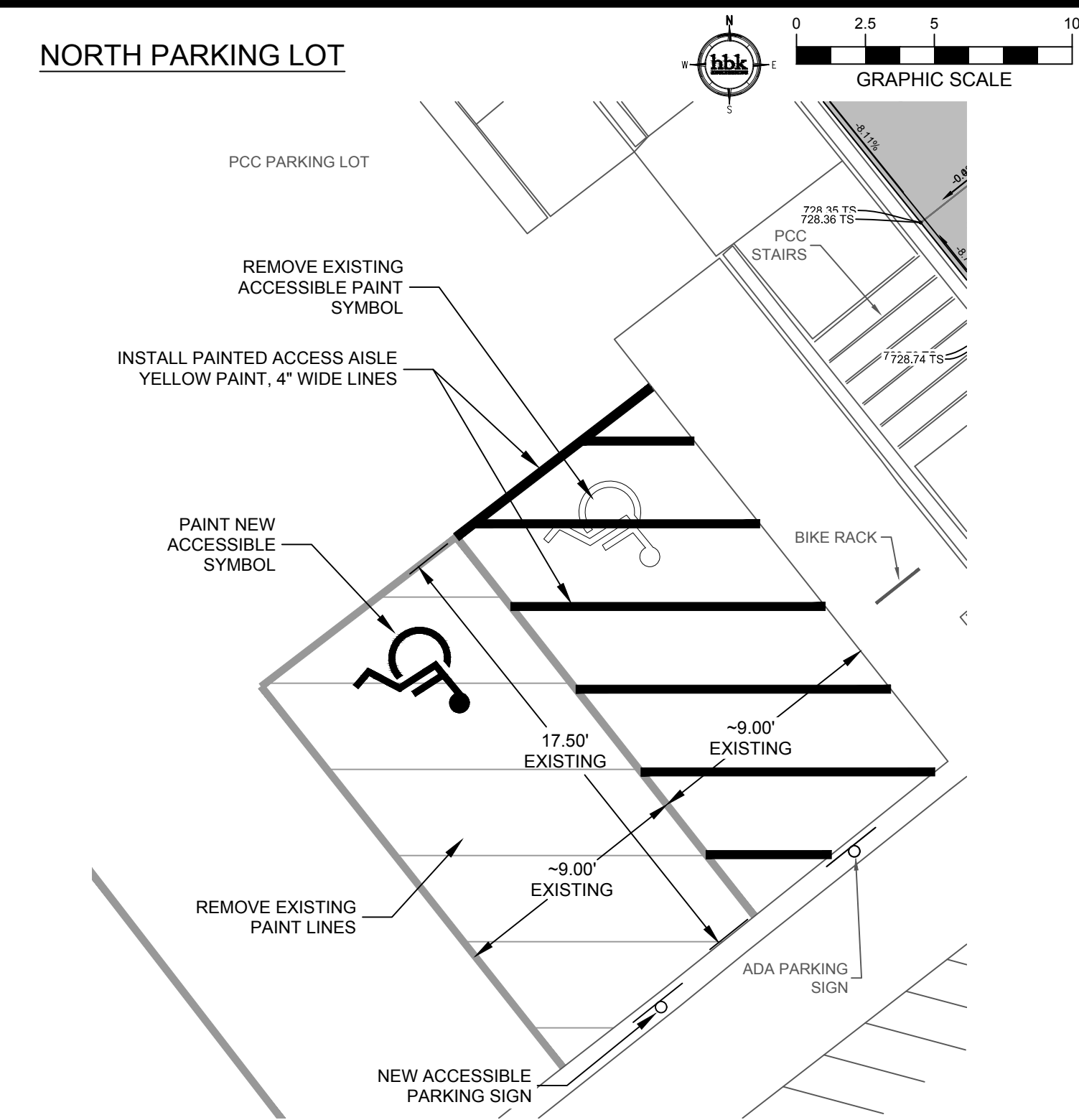


#### NOTES:

- 1) USE A LOW-SLUMP CONCRETE MIX (MAX. 2" SLUMP).
- 2) IF EXISTING SIDEWALK IS FOUND TO BE REINFORCED OR PINNED TO THE RETAINING WALLS, MATCH EXISTING REINFORCEMENT FOR NEW SIDEWALK.

#### 1B PROPOSED SOLUTION

#### NORTH PARKING LOT



#### 2 ACCESSIBLE PARKING

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16-1257 17-0393

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IMPROVEMENTS

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1202 3rd STREET SE  
SUITE 100  
CEDAR RAPIDS, IA 52401  
PHONE: (319) 536-3936  
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OWNER:

CEDAR RAPIDS  
City of Five Seasons

SHEET:

CITY HALL  
EXTERIOR ACCESSIBLE  
ROUTES

CITY FILE NUMBER  
360110

DATE CREATED:  
12/11/2018

#### DRAWING LOG

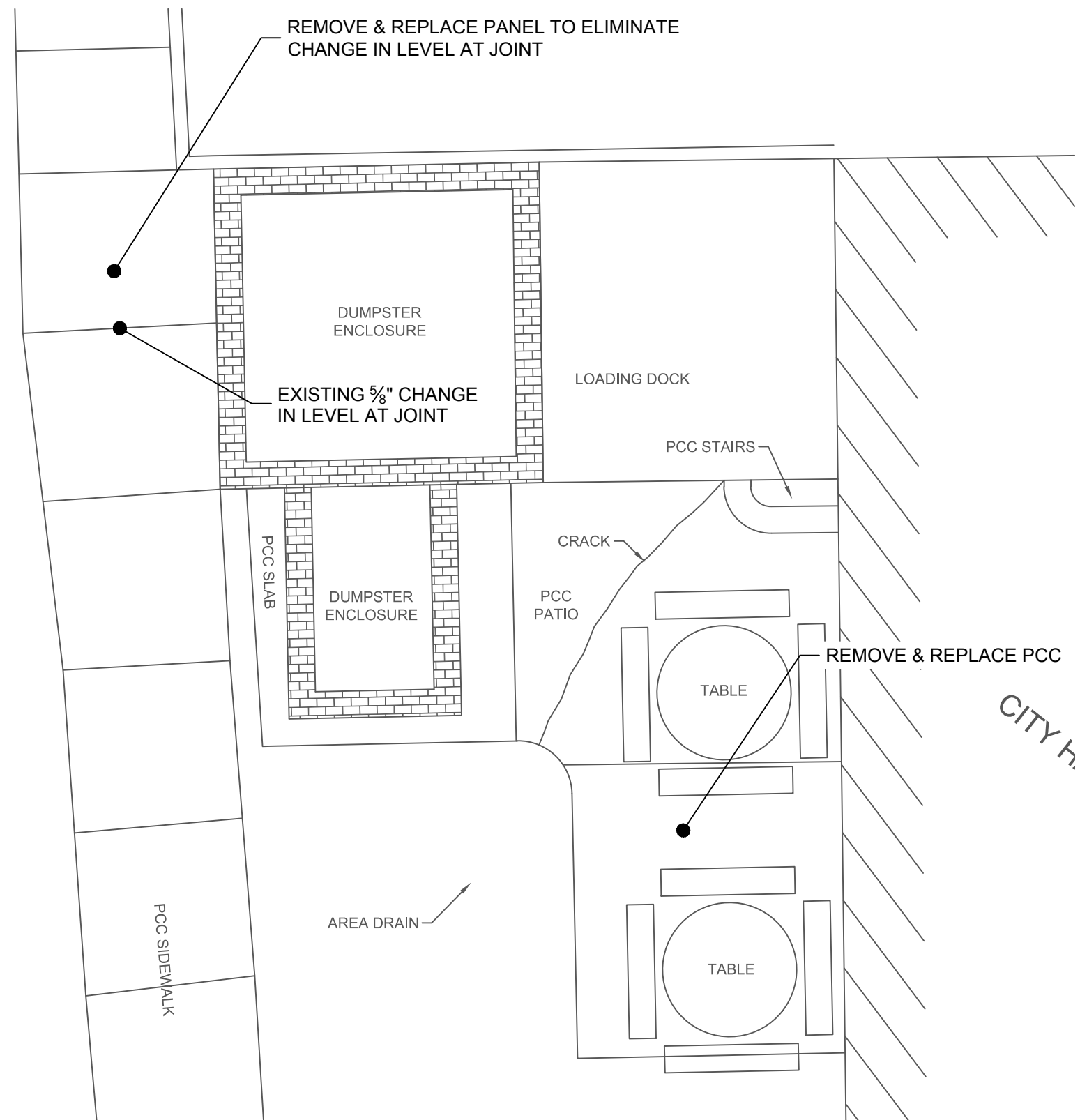
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02/13/19	FOR BID	EMS	ALA

HBK PROJECT MANAGER:

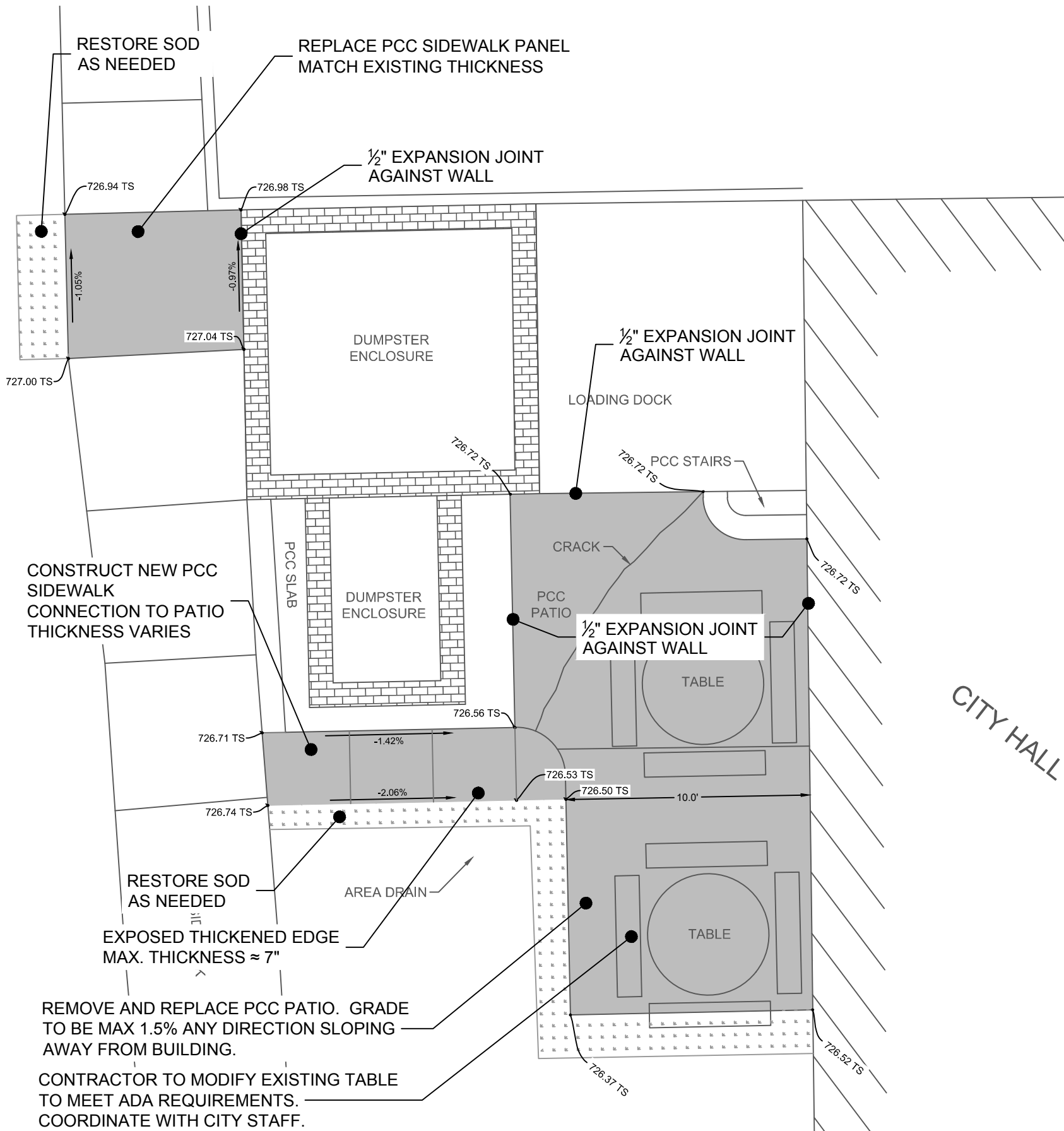
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SHEET:  
CH3.0

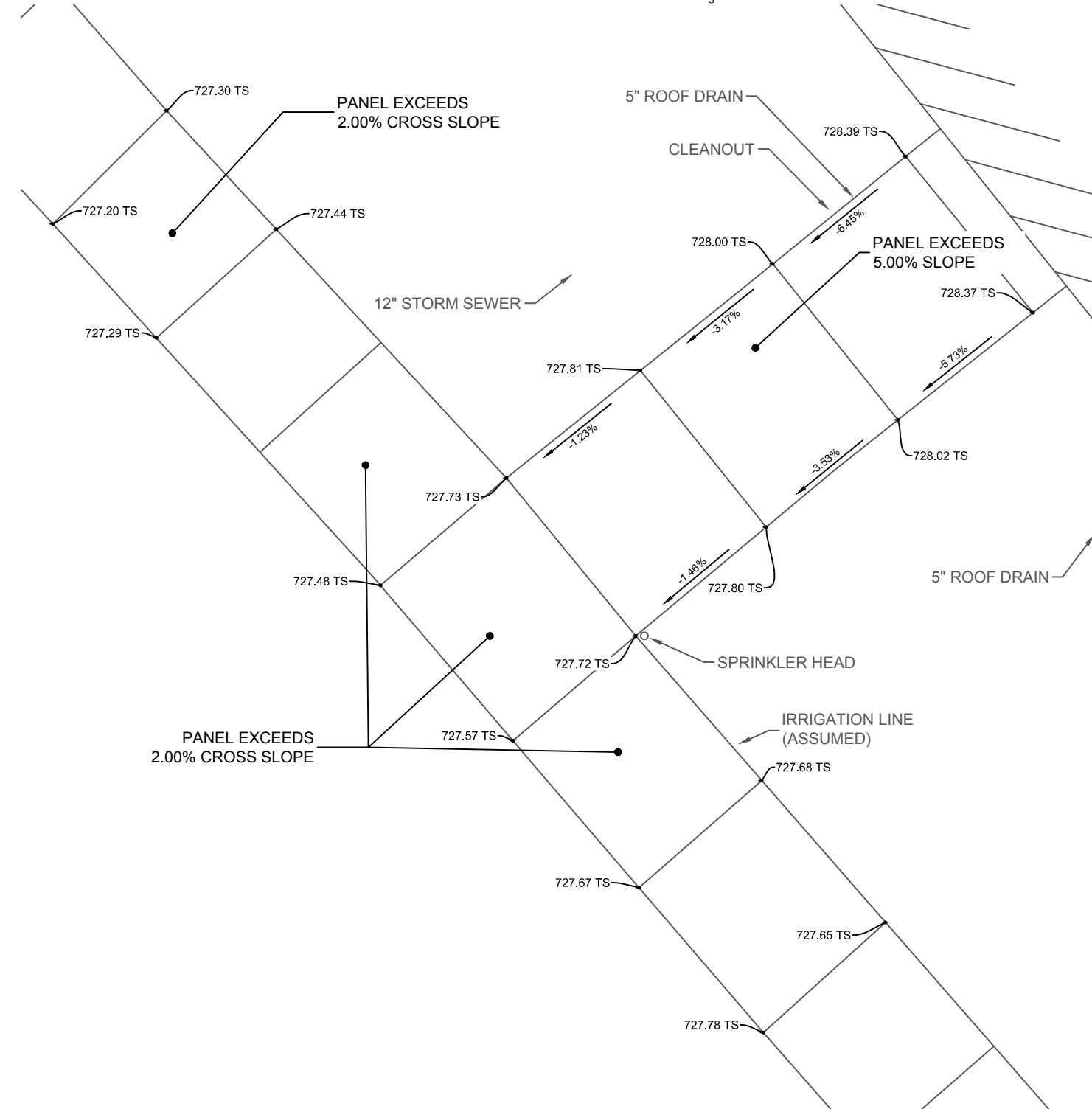




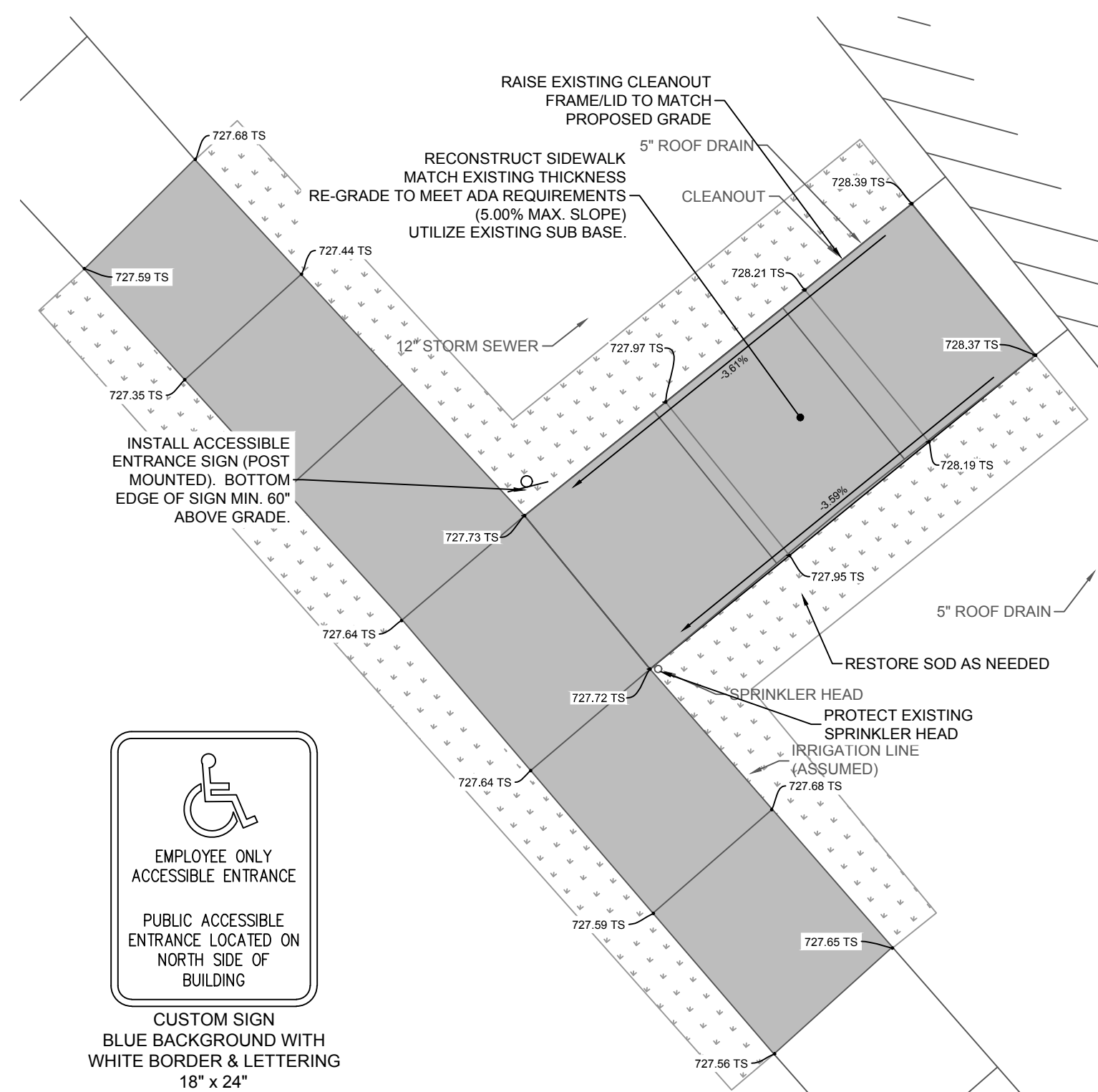
1A EXISTING SITE CONDITION



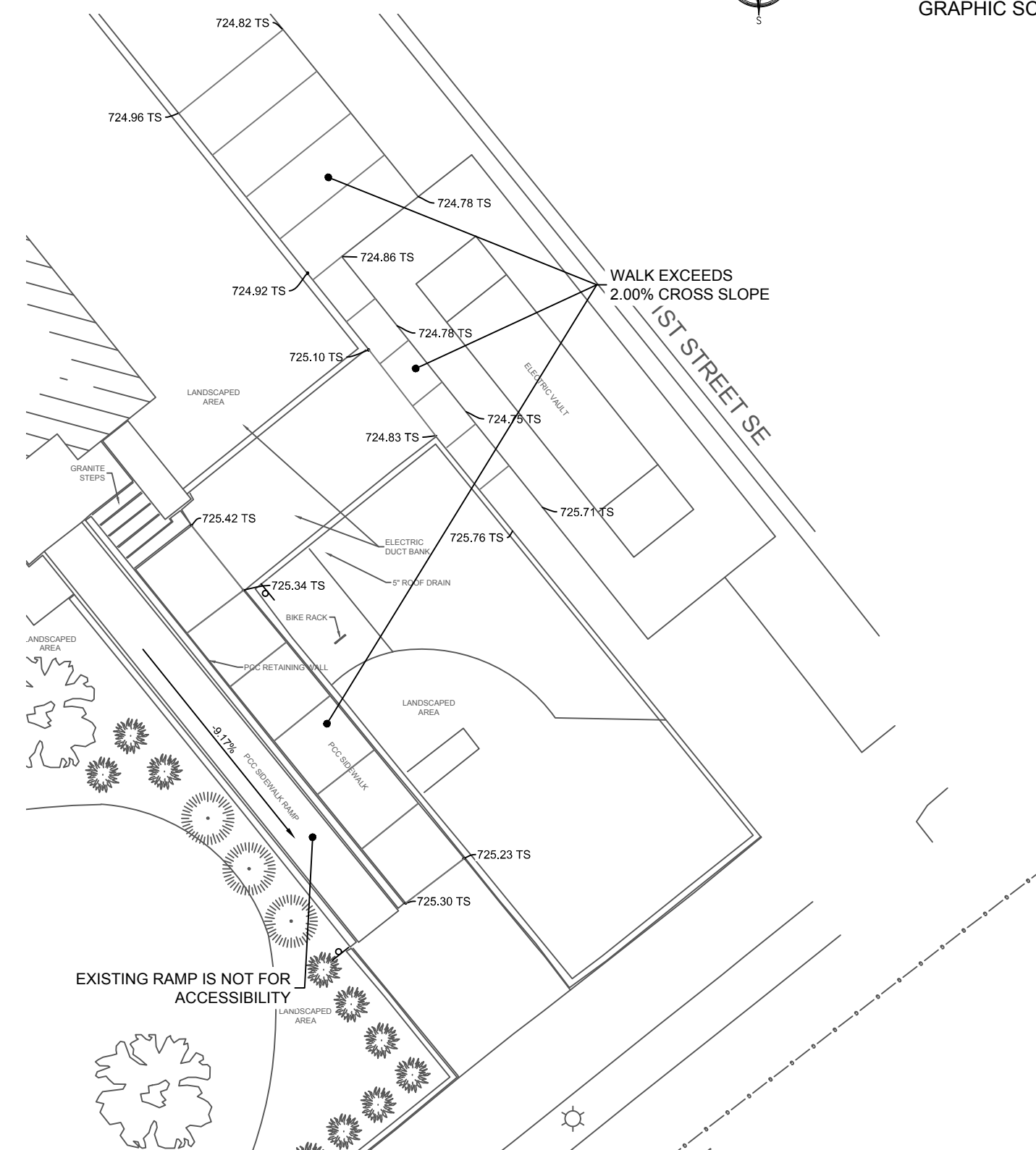
1B PROPOSED SOLUTION



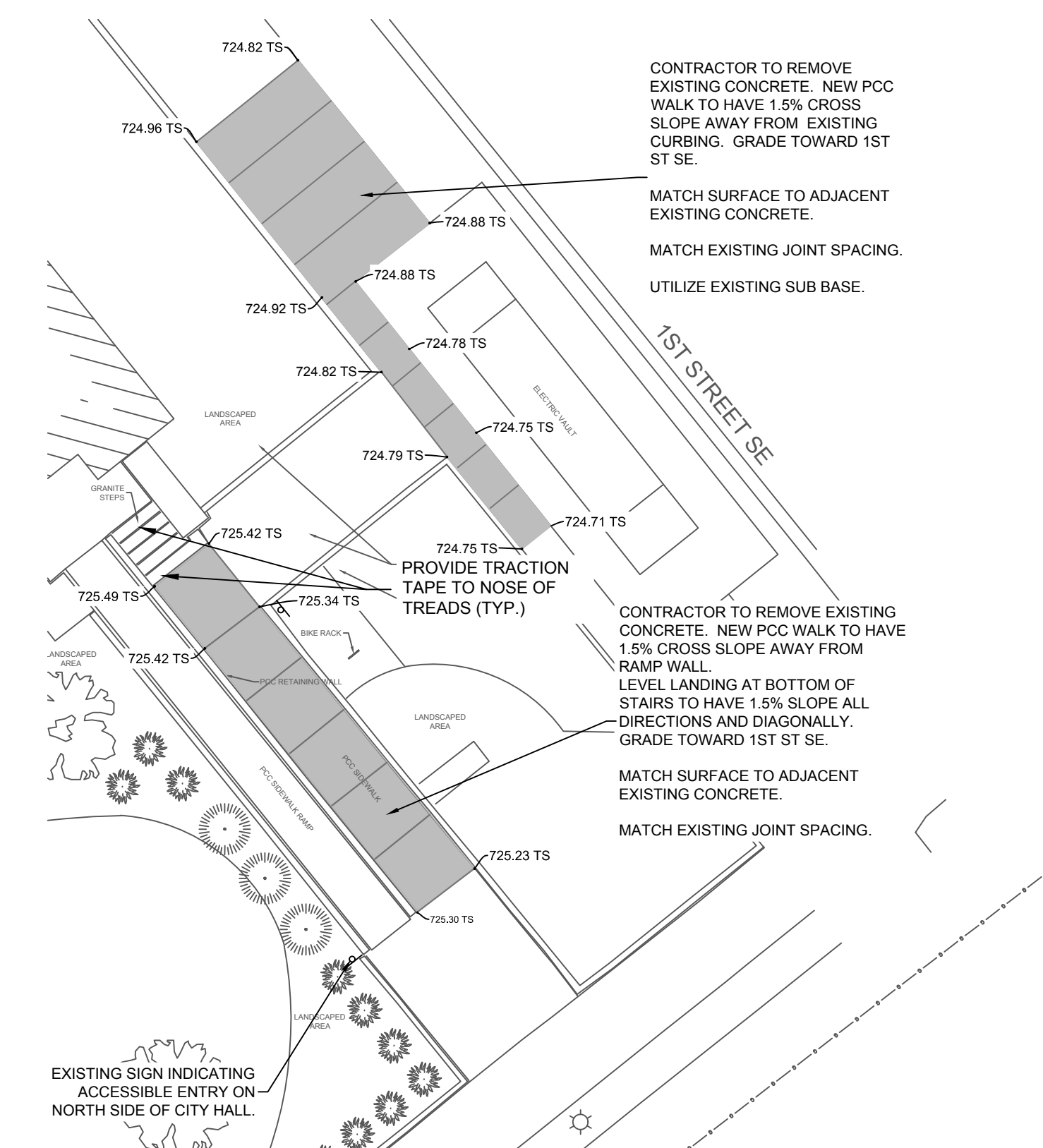
## 2A EXISTING SITE CONDITION



2B PROPOSED SOLUTION



### 3A EXISTING SITE CONDITION



3B PROPOSED SOLUTION

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**SHEET:**

**CITY HALL  
EXTERIOR ACCESSIBLE  
ROUTES**

CITY FILE NUMBER
360110

DATE CREATED: 12/11/2018

## DRAWING LOG

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HBK PROJECT MANAGER:

ALA

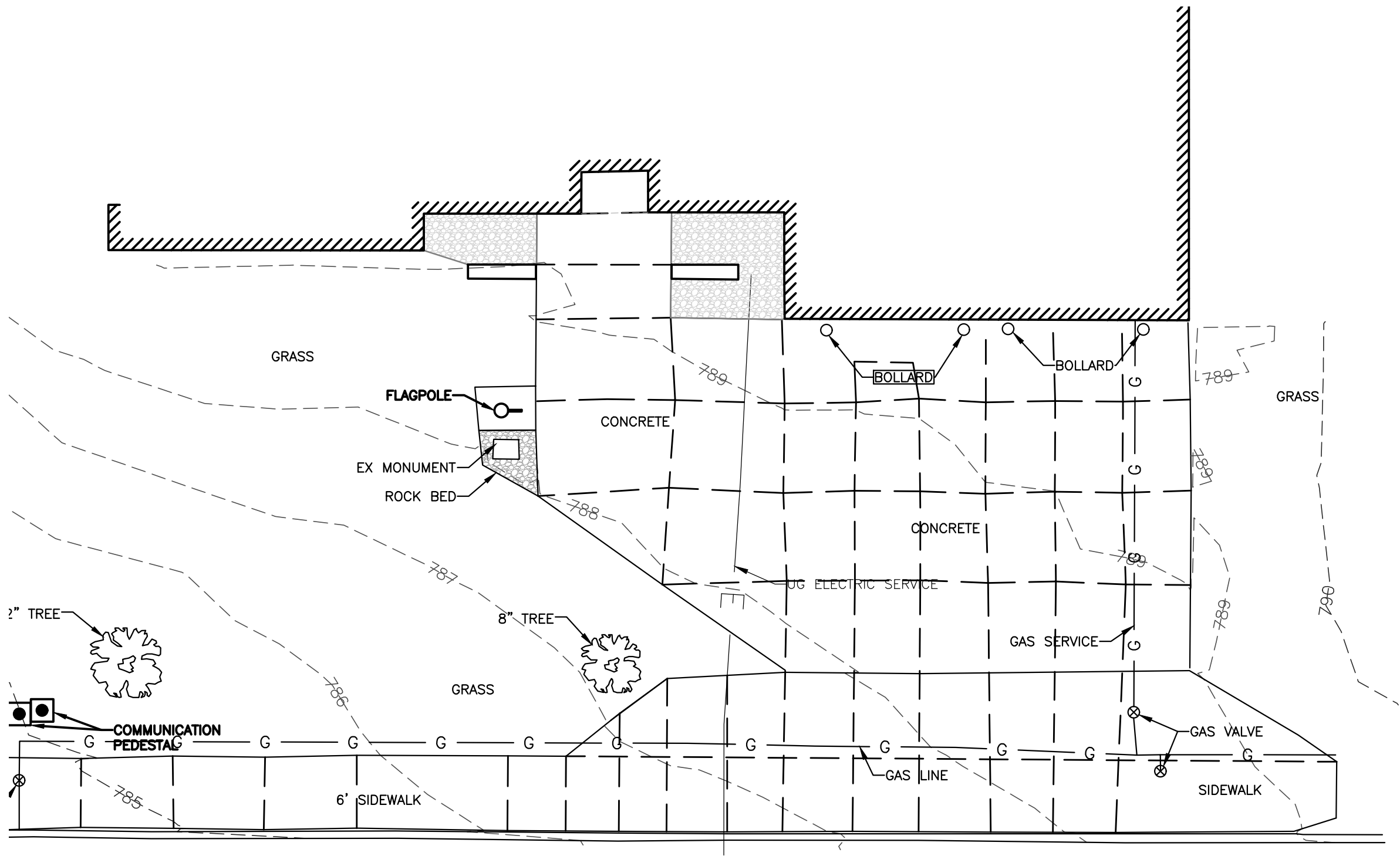
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LOCATION MAP

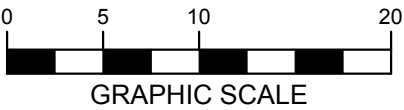


CR Fire Station 7



29TH STREET NE

1A EXISTING SITE CONDITION



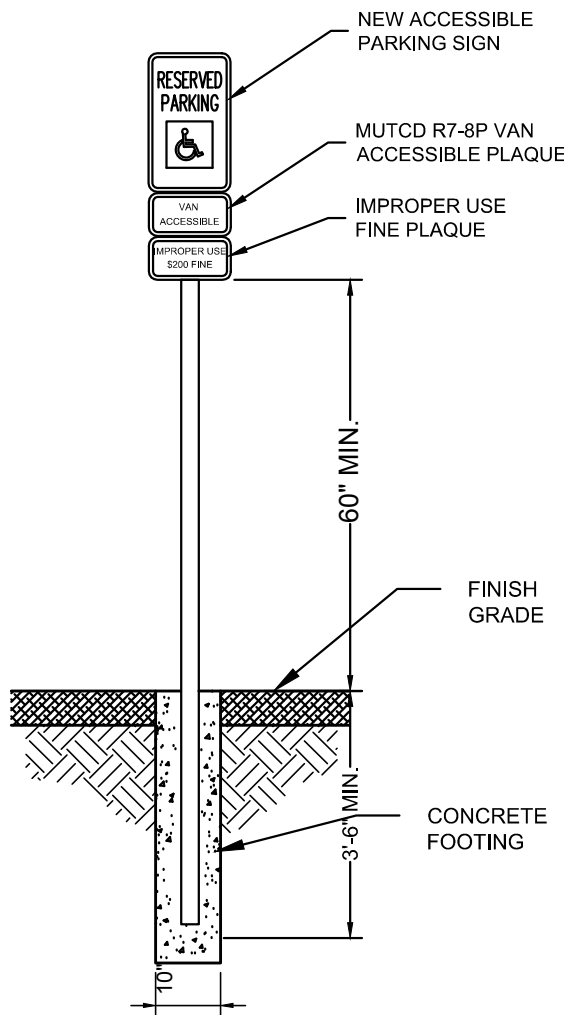
GENERAL NOTE:  
PROTECT ALL TREES WITHIN 25 FEET OF THE WORK AREA. TREES SHALL BE CORDONED TO PREVENT MECHANICAL DAMAGE. IF WORK IS TO OCCUR WITHIN THE DRIP LINE OF A TREE, MAINTAIN PROTECTION OF THE TREE TO THE FULLEST EXTENT POSSIBLE.

KEYNOTES:

- 1 CONSTRUCT NEW PCC ADA PARKING STALLS AS SHOWN.
- 2 CONSTRUCT NEW PCC SIDEWALK.
- 3 REMOVE & REPLACE EXISTING PCC PANELS. CONNECT TO EXISTING VIA 3/4" DOWELS.
- 4 PAINT ACCESSIBLE PARKING SYMBOLS. WHITE PAINT.
- 5 PAINT PARKING LINES. WHITE PAINT - 4" WIDE.
- 6 INSTALL ACCESSIBLE PARKING SIGN. SEE DETAIL 2, THIS SHEET.
- 7 INSTALL PRECAST CONCRETE PARKING BUMPERS. 5' LENGTH; 3" EMBEDMENT INTO PAVEMENT. TWO (2) TOTAL.
- 8 RELOCATE FLAGPOLE & MONUMENT NORTH OF PARKING STALLS.
- 9 TREE PROTECTION. SEE DETAIL 2910-022, CITY OF CEDAR RAPIDS STANDARD DETAILS.
- 10 DECORATIVE ROCK, MATCH EXISTING.
- 11 ADJUST LIGHT FOR NEW FLAGPOLE LOCATION.

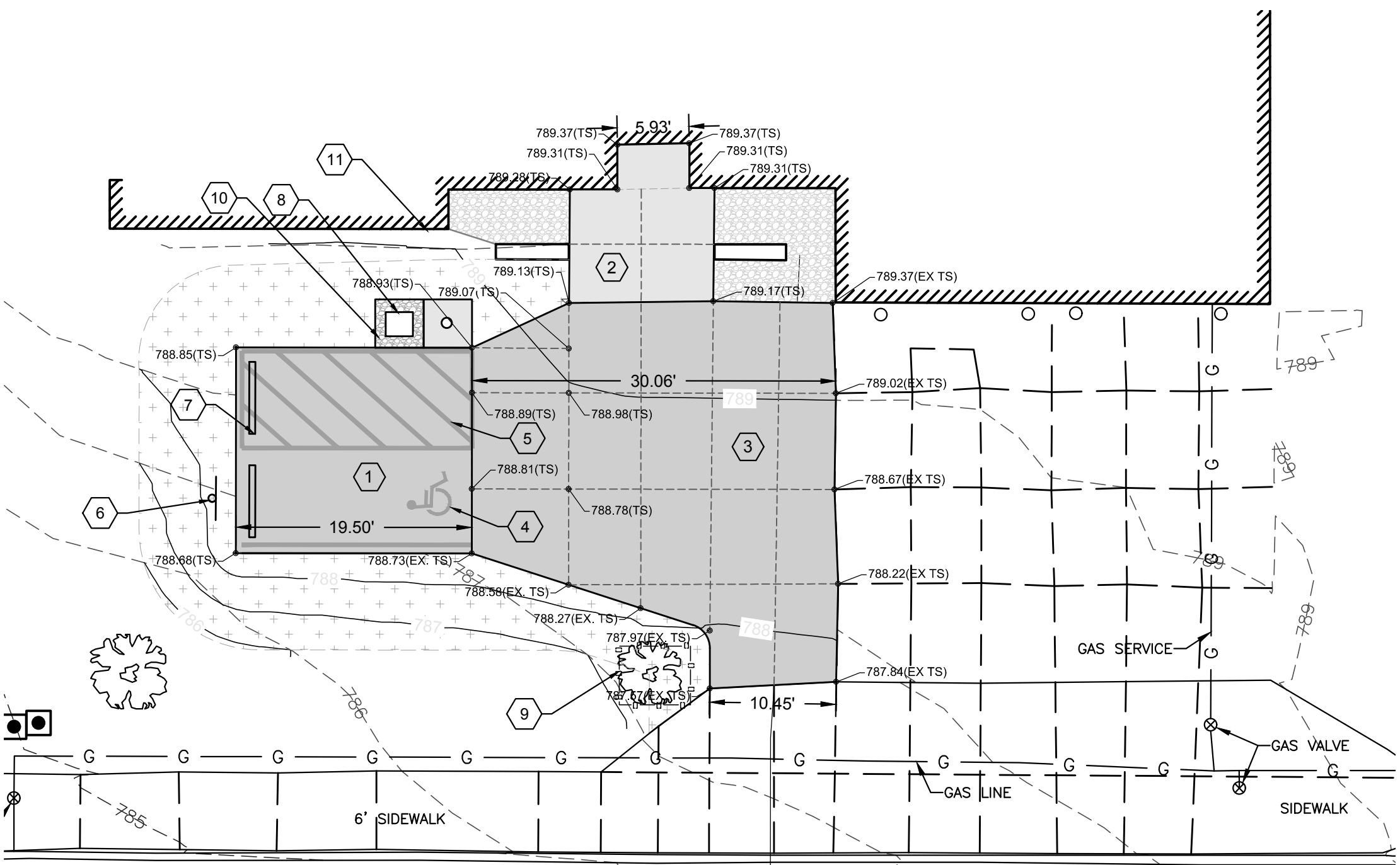
LEGEND

- PCC SIDEWALK  
5" THICK ON 4" GRANULAR SUBBASE
- PCC PARKING  
7" THICK ON 6" GRANULAR SUBBASE
- SOD RESTORATION AREA



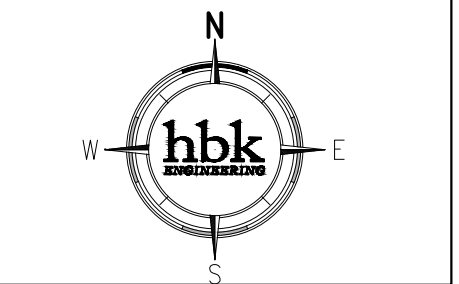
2 ACCESSIBLE PARKING SIGN

NTS



29TH STREET NE

1B PROPOSED SOLUTION



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OWNER:  
  
CEDAR RAPIDS  
City of Five Seasons

SHEET:  
FIRE STATION NO. 7  
ADA  
IMPROVEMENTS

CITY FILE NUMBER

DATE CREATED:  
12/11/2018

DRAWING LOG

DATE	ISSUED FOR	DB	CB
01/04/19	FOR REVIEW	EMS	ALA
02/13/19	FOR BID	EMS	ALA

HBK PROJECT MANAGER:  
ALA

SHEET:  
FS2.0