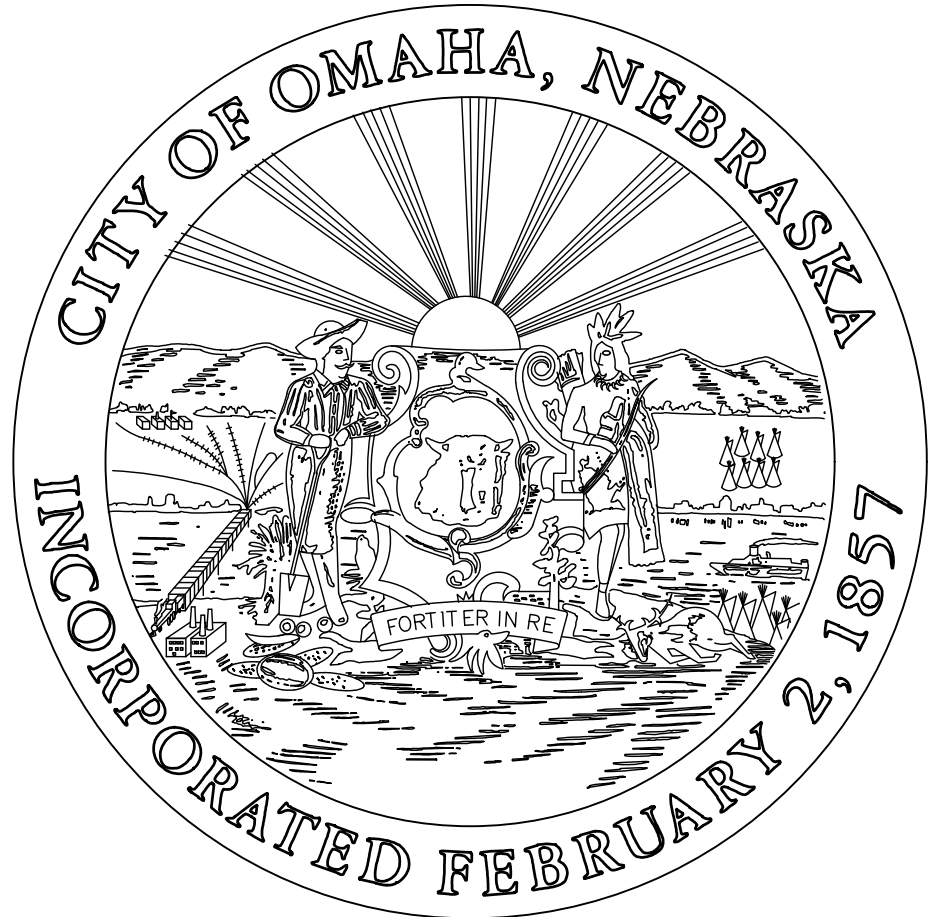


# CITY OF OMAHA

## PUBLIC WORKS DEPARTMENT

### ELKHORN BID

### OPW 53311



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#### BASE BID AREA QUANTITIES

BID ITEM #	CITY ITEM #	DESCRIPTION	QUANTITY	UNIT
1	9000.001	MOBILIZATION, PERMITS, BONDS AND INSURANCE	1	L.S.
2	906.200	PROVIDE TEMPORARY TRAFFIC CONTROL	30	DAYS
3	102.000	CLEARING AND GRUBBING – GENERAL	1	L.S.
4	105.100	REMOVE PAVEMENT	365	S.Y.
5	105.140	REMOVE SIDEWALK	4,700	S.F.
6	106.170	REMOVE COMBINATION CURB AND GUTTER	1,210	L.F.
7	201.100	EXCAVATION HAUL–OFF	15	C.Y.
8	202.200	UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
9	103.102	REMOVE CURB INLET	1	EA.
10	103.450	REMOVE SIGN	1	EA.
11	9000.011	REMOVE RETAINING WALL	1	L.S.
12	103.400	REMOVE FENCE	50	L.F.
13	101.020	INSTALL CURB INLET PROTECTION	3	EA.
14	503.001	CONSTRUCT 6" P.C.C. SIDEWALK	5,710	S.F.
15	501.003	CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	360	S.Y.
16	502.100	CONSTRUCT 6" COMBINATION CURB AND GUTTER	520	L.F.
17	504.000	CONSTRUCT CURB RAMP	144	S.F.
18	504.100	CONSTRUCT DETECTABLE WARNING PANEL	32	S.F.
19	606.000	CONSTRUCT REINFORCED P.C.C. RETAINING WALL	20	C.Y.
20	702.760	ADJUST MANHOLE TO GRADE	4	EA.
21	1002.100	ADJUST INLET TO GRADE	2	EA.
22	702.783	CONSTRUCT CURB INLET – TYPE IV	1	EA.
23	808.200	CONSTRUCT BOLLARD	3	EA.
24	608.100	CONSTRUCT RAILING	53	L.F.
25	905.030	INSTALL PERMANENT PAINT MARKING – 4" WHITE	595	L.F.
26	9000.026	INSTALL MULCHING	1,745	S.F.

#### ALTERNATE 1 AREA QUANTITIES

BID ITEM #	CITY ITEM #	DESCRIPTION	QUANTITY	UNIT
27	906.200	PROVIDE TEMPORARY TRAFFIC CONTROL	20	DAYS
28	102.000	CLEARING AND GRUBBING – GENERAL	1	L.S.
29	202.200	UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
30	105.100	REMOVE PAVEMENT	155	S.Y.
31	105.140	REMOVE SIDEWALK	2,320	S.F.
32	106.170	REMOVE COMBINATION CURB AND GUTTER	310	L.F.
33	9000.033	REMOVE, TEMPORARILY SUPPORT & REPLACE AWNING SUPPORTS	1	L.S.
34	1103.000	REMOVE & REINSTALL MAILBOX POST	1	EA.
35	1103.100	INSTALL TEMPORARY MAILBOX POST	1	EA.
36	503.001	CONSTRUCT 6" P.C.C. SIDEWALK	2,825	S.F.
37	501.003	CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	90	S.Y.
38	502.100	CONSTRUCT 6" COMBINATION CURB AND GUTTER	340	L.F.
39	503.201	CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	415	S.F.
40	504.000	CONSTRUCT CURB RAMP	36	S.F.
41	504.100	CONSTRUCT DETECTABLE WARNING PANEL	8	S.F.
42	905.030	INSTALL PERMANENT PAINT MARKING – 4" WHITE	515	L.F.

#### ALTERNATE 2 AREA QUANTITIES

BID ITEM #	CITY ITEM #	DESCRIPTION	QUANTITY	UNIT
43	906.200	PROVIDE TEMPORARY TRAFFIC CONTROL	20	DAYS
44	102.000	CLEARING AND GRUBBING – GENERAL	1	L.S.
45	202.200	UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
46	105.100	REMOVE PAVEMENT	90	S.Y.
47	105.140	REMOVE SIDEWALK	2,985	S.F.
48	106.170	REMOVE COMBINATION CURB AND GUTTER	365	L.F.
49	9000.049	REMOVE, TEMPORARILY SUPPORT & REPLACE AWNING SUPPORTS	1	L.S.
50	1103.000	REMOVE & REINSTALL MAILBOX POST	1	EA.
51	1103.100	INSTALL TEMPORARY MAILBOX POST	1	EA.
52	503.001	CONSTRUCT 6" P.C.C. SIDEWALK	3,250	S.F.
53	501.003	CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	60	S.Y.
54	502.100	CONSTRUCT 6" COMBINATION CURB AND GUTTER	410	L.F.
55	503.201	CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	455	S.F.
56	504.000	CONSTRUCT CURB RAMP	108	S.F.
57	504.100	CONSTRUCT DETECTABLE WARNING PANEL	24	S.F.
58	9000.058	INSTALL 6" PVC PIPE	5	L.F.
59	608.100	CONSTRUCT RAILING	55	L.F.
60	905.030	INSTALL PERMANENT PAINT MARKING – 4" WHITE	725	L.F.

#### ALTERNATE 3 AREA QUANTITIES

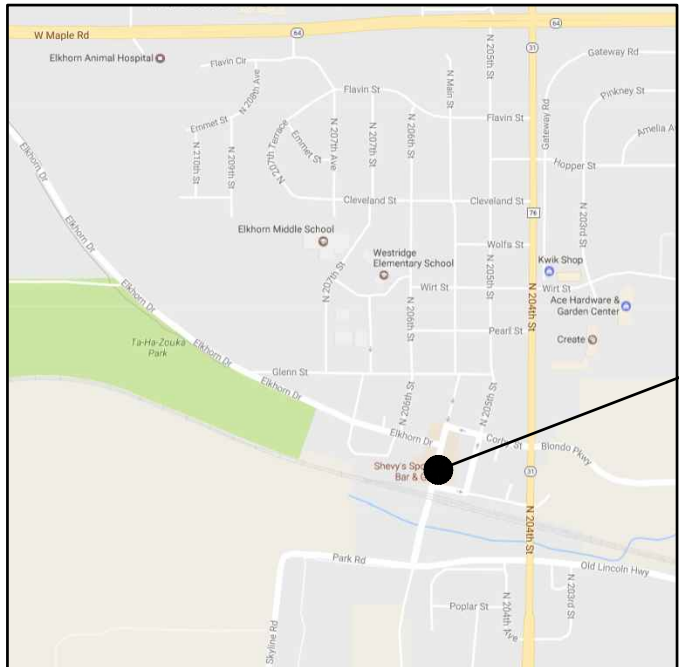
BID ITEM #	CITY ITEM #	DESCRIPTION	QUANTITY	UNIT
61	906.200	PROVIDE TEMPORARY TRAFFIC CONTROL	30	DAYS
62	102.000	CLEARING AND GRUBBING – GENERAL	1	L.S.
63	202.200	UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
64	105.100	REMOVE PAVEMENT	130	S.Y.
65	105.140	REMOVE SIDEWALK	1,020	S.F.
66	106.170	REMOVE COMBINATION CURB AND GUTTER	180	L.F.
67	201.100	EXCAVATION HAUL–OFF	135	C.Y.
68	9000.068	REMOVE & DISPOSE STAIRCASE & RAILINGS	5	EA.
69	9000.069	REMOVE RETAINING WALL	1	L.S.
70	503.001	CONSTRUCT 6" P.C.C. SIDEWALK	1,920	S.F.
71	501.003	CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	120	S.Y.
72	502.100	CONSTRUCT 6" COMBINATION CURB AND GUTTER	465	L.F.
73	503.201	CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	340	S.F.
74	504.000	CONSTRUCT CURB RAMP	36	S.F.
75	504.100	CONSTRUCT DETECTABLE WARNING PANEL	8	S.F.
76	606.000	CONSTRUCT REINFORCED P.C.C. RETAINING WALL	95	C.Y.
77	608.100	CONSTRUCT RAILING	240	L.F.
78	905.030	INSTALL PERMANENT PAINT MARKING – 4" WHITE	185	L.F.

#### GENERAL CONSTRUCTION NOTES

1. THE TIME LIMIT TO COMPLETE ALL WORK SHALL BE 100 CALENDAR DAYS. ALL PROJECT PROCEDURES, MATERIALS, BONDS AND RESERVES SHALL CONFORM TO THE CITY OF OMAHA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2014 EDITION AND ANY ADDITIONS THERETO. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE AFOREMENTIONED SPECIFICATIONS. THE AFOREMENTIONED PUBLICATION CAN BE FOUND AT <https://publicworks.cityofomaha.org/index.php/contractors-consultants2/>
2. [contractors/standard-plates-curb-ramps-and-specifications](#)
3. CONSTRUCTION FOUND TO BE UNACCEPTABLE TO THE CITY OF OMAHA PUBLIC WORKS DEPARTMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
4. ALL OPERATIONS CONDUCTED WITHIN THE CITY OF OMAHA LIMITS, INCLUDING THE WARMING–UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. MONDAY THROUGH FRIDAY; AND, NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR LEGAL HOLIDAYS, UNLESS WAIVED BY THE INSPECTOR AND CITY OF OMAHA PUBLIC WORKS DEPARTMENT.
5. THE CONSTRUCTION DOCUMENTS (E.G., CONTRACT, PW55–BOND, INSURANCE CERTIFICATE, SPECIFICATIONS, AND CONSTRUCTION PLANS) ARE ESSENTIAL AND A REQUIREMENT IN ONE PART IS AS BINDING AS THOUGH OCCURRING IN ALL. THUS, THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY IN NATURE, THE DOCUMENTS DESCRIBE AND PROVIDE THE COMPLETE CONSTRUCTION PROJECT. THE CONTRACTOR MAY NOT TAKE ADVANTAGE OF ANY APPARENT CONSTRUCTION PROJECT ERRORS OR OMISSIONS. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR PROMPTLY OF ANY OMISSIONS OR ERRORS. IN THE CASE OF A DISCREPANCY BETWEEN PARTS OF THE CONSTRUCTION DOCUMENTS, THE MOST STRINGENT CONSTRUCTION METHODOLOGY SHALL RULE.
6. THE CONTRACTOR SHALL CONTACT THE CITY OF OMAHA TRAFFIC MAINTENANCE (402–444–5163) TO COORDINATE THE PROTECTION OF UNDERGROUND TRAFFIC SIGNAL FACILITIES. THE CONTRACTOR SHALL INSURE THAT ALL TRAFFIC SIGNAL CONDUITS ARE A MINIMUM OF 30 INCHES BELOW FINISHED GRADE OF NEW IMPROVEMENTS. IF THE TRAFFIC SIGNAL COMMUNICATION IS SEVERED FOR ANY REASON, THE CONTRACTOR SHALL PAY ALL COSTS TO REPAIR THE COMMUNICATION LINE AND PROVIDE TEMPORARY WIRELESS COMMUNICATION (IF NECESSARY) AT THE DIRECTION OF THE CITY OF OMAHA AND AT ADD COST TO THE CITY.
7. THE "OMAHA REGIONAL STORM WATER DESIGN MANUAL" SHALL APPLY TO THIS CONSTRUCTION.
8. THE COST OF SHEETING, SHORING OR BRACING AND Dewatering REQUIRED TO CONSTRUCT THIS PROJECT SHALL BE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.
9. THE CONTRACTOR IS RESPONSIBLE TO INSURE ALL EXCAVATIONS ARE MADE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) CONSTRUCTION STANDARDS 29 CFR PART 1926, SUBPART P–EXCAVATIONS AS PUBLISHED IN THE FEDERAL REGISTER, COL. 54, 209, TUESDAY, OCTOBER 31, 1989, RULES AND REGULATIONS.
10. THE CONTRACTOR SHALL RESTRICT ALL CONSTRUCTION OPERATIONS TO WITHIN THE PUBLIC RIGHT–OF–WAY AND THOSE CONSTRUCTION AREAS AS ILLUSTRATED ON THE PLAN.
11. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES IN A MANNER THAT WILL PROVIDE PROTECTION OF EXISTING TREES AND BUSHES. TREES WITHIN THE LIMITS OF CONSTRUCTION TO BE REMOVED ARE NOTED ON PLANS.
12. UTILITIES ARE SHOWN AS A CONVENIENCE FOR THE CONTRACTOR. NEITHER THE ENGINEER NOR THE CITY GUARANTEE THE ACCURACY OF SUCH INFORMATION. LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITIES MAY NOT BE INDICATED ON THESE PLANS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITY COMPANIES AT THE CONTRACTOR'S REQUEST. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITIES UNTIL ALL FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY DAMAGE TO THE UTILITIES. ANY UTILITY DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
13. THE CONTRACTOR SHALL BACKFILL COMPLETED PORTIONS OF CONSTRUCTED SEWER AT THE END OF EACH DAY. EXCAVATION TRENCH REMAINING OPEN SHALL NOT EXCEED 25 LF. THE CONTRACTOR SHALL PLACE SNOW FENCE AROUND EXCAVATION REMAINING OPEN.
14. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNING SIGNS, LIGHTS AND FLASHERS PER THE MUTCD AS DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS ENCOUNTERED IN THE REMOVAL AND GRADING OPERATIONS OFF THE PROJECT SITE, INCLUDING CONCRETE, ASPHALT, OIL MAT, BRICK, ROCK, ETC. NO UNSUITABLE MATERIAL SHALL BE USED FOR BACKFILLING OF EMBANKMENT CONSTRUCTION. THE COST FOR DISPOSAL OF UNSUITABLE MATERIAL SHALL BE SUBSIDIARY TO THE PROJECT.
16. THE CONTRACTOR SHALL NOTIFY CITY REPRESENTATIVE 24 HOURS IN ADVANCE OF ANY SIGNING/STRIPING WORK.
17. CONCRETE FOR PAVEMENT AND DRIVEWAYS SHALL BE L65. WATER REDUCING ADMIXTURE SHALL BE ADDED TO ALL HAND PLACED AND FINISHED CONCRETE, TYPE "A" INTEGRAL CURB AND SUBGRADE PREPARATION SHALL BE INCIDENTAL TO DIRECT PAY ITEMS.
18. CONCRETE PAVEMENT SHALL BE CURED USING A WHITE PIGMENTED LIQUID MEMBRANE FORMING CURING COMPOUND THAT HAS BEEN APPROVED BY THE NEBRASKA DEPARTMENT OF ROADS. THE MINIMUM RATE OF APPLICATION SHALL BE 200 SQ. FT. PER GAL. IF A MECHANICAL POWERED SPRAYER IS USED, AND 100 SQ. FT. PER GAL. IF A HAND POWERED SPRAYER IS USED.
19. THE RELOCATION OF STREET LIGHTS WILL BE BY OPPD AND COORDINATION OF SUCH WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
20. THE CONTRACTOR SHALL CONSTRUCT ADA COMPLIANT SIDEWALK RAMP AT ALL RETURNS WHERE SIDEWALKS ARE REMOVED AND REPLACED.
21. THE CONTRACTOR SHALL HAUL THE SALVAGED TRAFFIC SIGN ITEMS TO A DESIGNATED STOCK PILE LOCATION ON SITE OF THE PROJECT. COST SHALL BE CONSIDERED INCIDENTAL TO THE REMOVAL OF THE TRAFFIC SIGNALS.
22. A DIAMOND EDGE SAW BLADE SHALL BE USED FOR CUTTING ALL REQUIRED CONSTRUCTION AND LONGITUDINAL PAVEMENT JOINTS. ALL SAW CUTS (INCLUDING THOSE FULL DEPTH CUTS NECESSARY TO REMOVE PAVEMENT) SHALL BE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.
23. ANY FITTINGS OR CONNECTIONS REQUIRED TO CONSTRUCT SEWER PIPE SHALL BE SUBSIDIARY TO THE BID ITEMS.
24. THE CITY OF OMAHA ENVIRONMENTAL SERVICES SAFETY MANUAL IS AVAILABLE FOR REVIEW UPON REQUEST OF THE CONTRACTOR/SUBCONTRACTOR. THIS MANUAL IS THE CITY OF OMAHA'S SAFETY PLAN FOR EMPLOYEES AND REVIEW OF SAID DOCUMENT DOES NOT RELIEVE CONTRACTORS/SUBCONTRACTOR OF HAVING HIS OWN SAFETY PLAN, PROVIDING PROPER SAFETY EQUIPMENT, AND BEING RESPONSIBLE FOR HIS EMPLOYEES SAFETY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THE CITY OF OMAHA IS NOT RESPONSIBLE FOR CONTRACTOR SAFETY OR OF HIS SUBCONTRACTORS.
25. ACCESS TO BUSINESSES MUST BE MAINTAINED DURING BUSINESS HOURS.
26. ALL SEWER PIPE SHALL BE INSTALLED WITH CRUSHED ROCK BEDDING AS SHOWN IN THE SPECIAL PLANS.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSITE DISPOSAL OF EXCAVATED WASTE MATERIAL.
28. THE CONTRACTOR WILL BE REQUIRED TO FURNISH BORROW ON THIS PROJECT.
29. SIDEWALK REMOVAL AND CONSTRUCTION WILL BE COMPLETED ON ONE SIDE OF ROADWAY AT A TIME. ACCESS TO BUSINESSES SHALL BE MAINTAINED DURING BUSINESS HOURS. PRIOR TO REMOVING EXISTING SIDEWALK THE CONTRACTOR IS TO MEET WITH ALL BUILDING MANAGERS WITHIN THE SIDEWALK REMOVAL AREA AND REVIEW THE PROPOSED WORK. ANY ADDITIONS OR DELETIONS REQUESTED BY THE BUILDING MANAGER SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.
30. CRUSHED ROCK SHALL BE UTILIZED AT LOCATIONS WHERE TEMPORARY ACCESS NEEDS TO BE PROVIDED.
31. SUBGRADE PREPARATION WILL BE SUBSIDIARY TO THE ITEMS WHERE DIRECT PAYMENT IS MADE.

△

NOTE: ALL SHEETS HAVE CHANGED FOR THIS ADDENDUM TO MEET NEW PROJECT LAYOUT AND SCOPE.

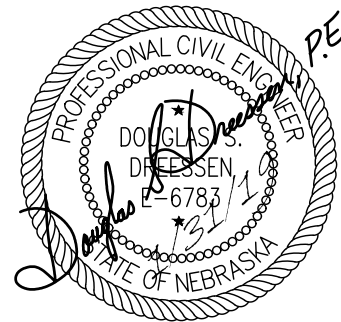


PROJECT LOCATION

#### VICINITY MAP



*	1	ADDENDUM A	08/15/18
**	2	ADDENDUM B	11/08/18
***	3	ADDENDUM C	12/13/18



## OPW 53311

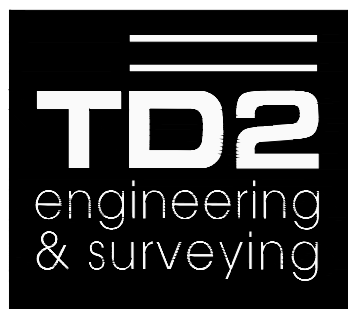
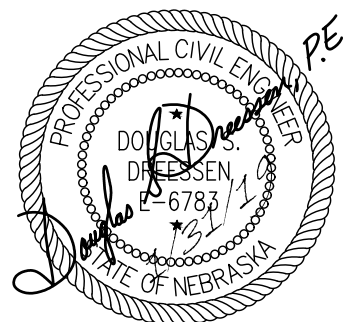
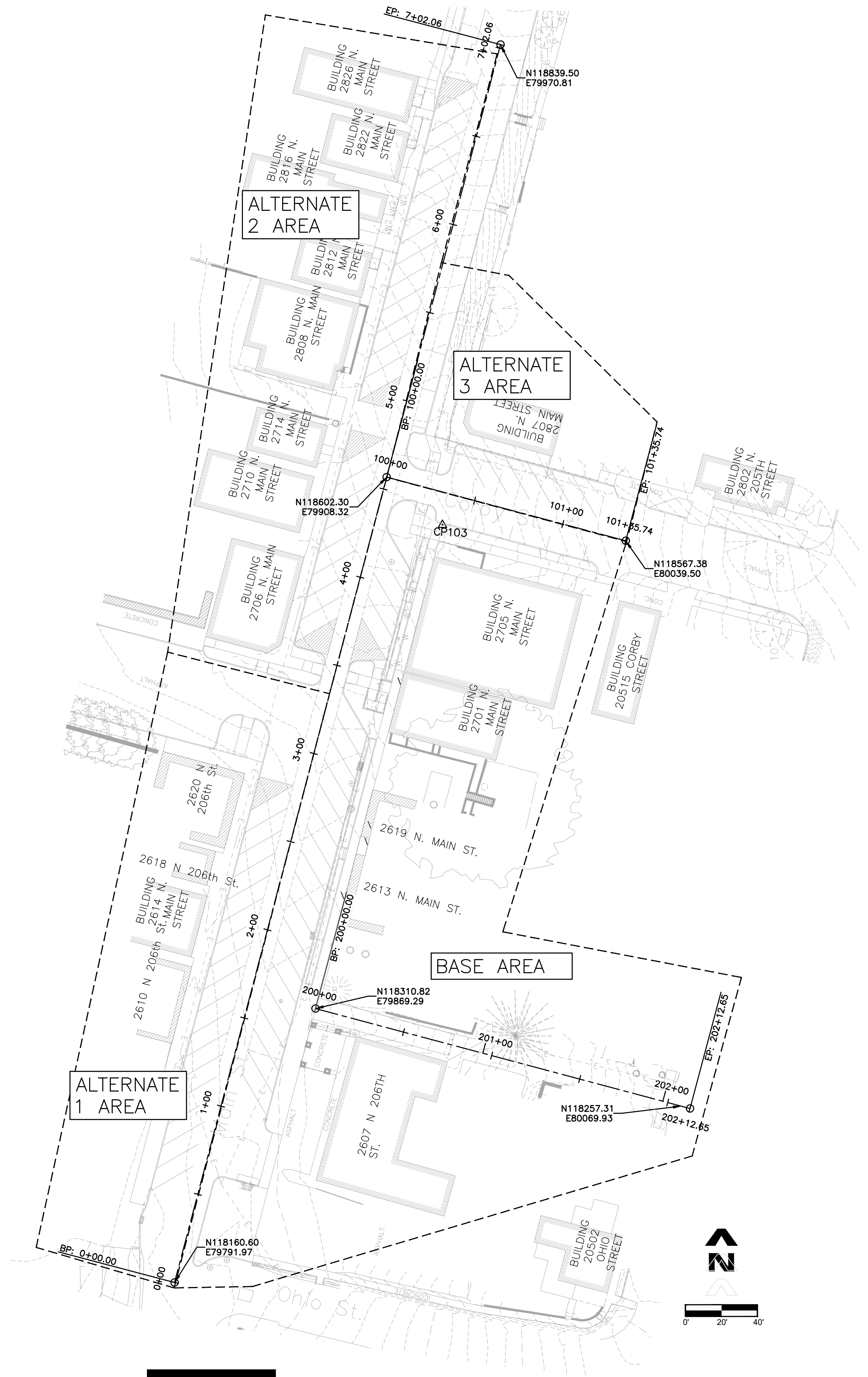
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DESIGN ENGINEER: _____	DATE _____	SURVEYED: _____
CITY ENGINEER: _____	DATE _____	FIELD BOOK NO. _____
M.U.D. SENT: ... RECEIVED: ...	O.P.P.D. SENT: ... RECEIVED: ...	TELE. SENT: ... RECEIVED: ...
CABLE SENT: ... RECEIVED: ...	SCALE: NONE	SHEET <u>1</u> OF <u>24</u>



BENCHMARK - MKO566

DESCRIPTION: 9' SOUTH OF THE SOUTH RAIL OF THE SOUTH  
SET OF TRACKS OF THE UPPER, 4' BELOW  
THE TOP OF THE RAILS, SET IN THE TOP OF  
THE SOUTH END OF THE EAST BRIDGE SEAT  
OF BRIDGE.

ELEVATION: 1164.16 (NAVD 88)



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TD2 DRAWING # 2064-116

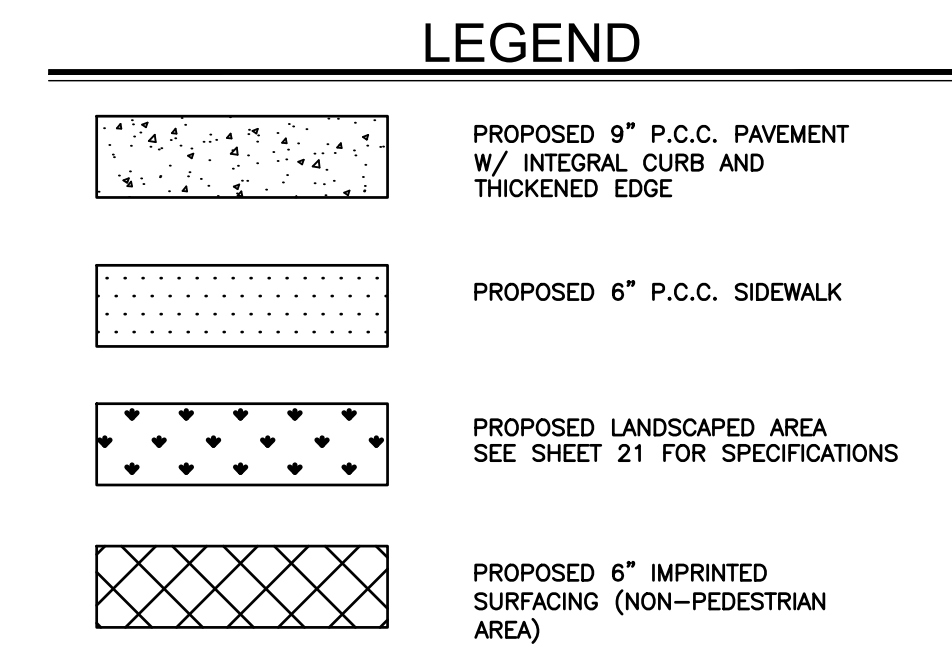
SECTIONS & ALIGNMENTS

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CITY OF OMAHA
PUBLIC WORKS DEPARTMENT

OPW 53311
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SHEET 2 24
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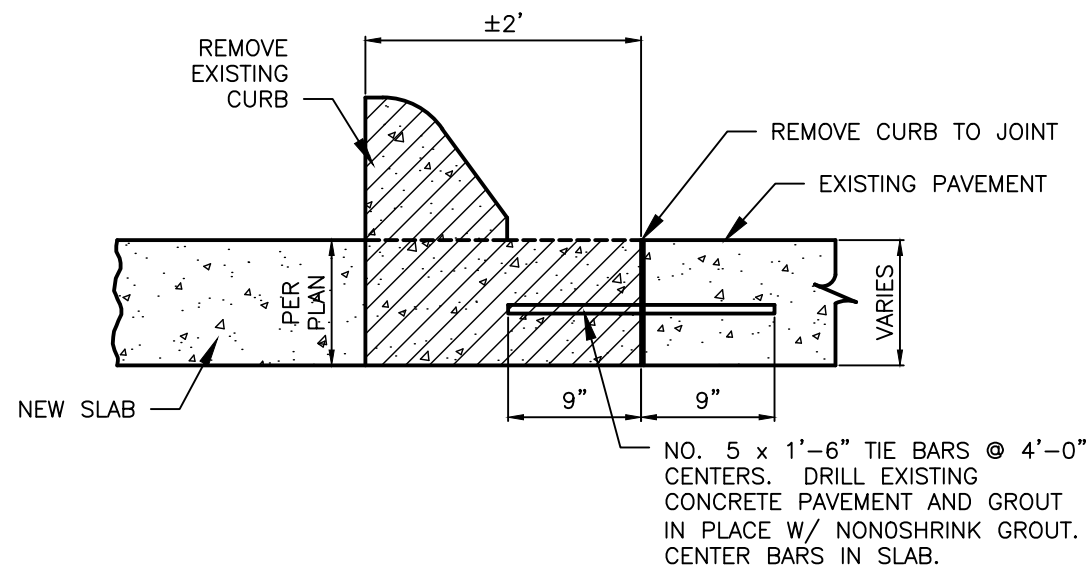


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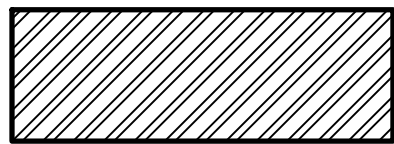
SHEET  
3  
24

## OVERALL SITE PLAN

NOTES:  
1. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.  
2. THE CONTRACTOR SHALL BE AWARE THAT THERE IS A POTENTIAL LAYER OF BRICK BENEATH THE EXISTING PAVEMENT. THEIR BID SHALL REFLECT THAT THEY HAVE TAKEN THIS INTO CONSIDERATION IF CONFRONTED DURING DEMOLITION.



LEGEND			
●	CORNER FOUND	W	WATER VALVE
○	CORNER SET	G	GAS VALVE
CTP	CRIMP TOP PIPE	*	BOLLARD
OTP	OPEN TOP PIPE	I.E.	INVERT ELEVATION
○ S	SIGNAL POLE	F.F.E.	FINISH FLOOR ELEVATION
○ P	POWER POLE	UC	CURB INLET
○ UCL	POWER POLE WITH UNDERGROUND DROP AND LIGHT	W	UNDERGROUND GAS
○ L	POWER POLE WITH LIGHT	UC	UNDERGROUND WATER
○ E	LIGHT POLE	OE	UNDERGROUND CABLE TV LINE
□ E	ELECTRICAL PEDESTAL	OT	OVERHEAD ELECTRIC LINE
□ T	TELEPHONE PEDESTAL	UT	OVERHEAD TELEPHONE LINE
□ E	ELECTRICAL METER	□	UNDERGROUND TELEPHONE LINE
▼ G	GAS METER	□	WOODEN FENCE
△	SIGN	×	WIRE FENCE
□ A	AIR CONDITIONING UNIT	○	CHAIN LINK FENCE
□ P	PULL BOX	○	PIPE SIZE AND DIRECTION OF FLOW
⊕	SEWER MANHOLE	○	DECIDUOUS TREE WITH TRUNK SIZE
⊕ T	TELEPHONE MANHOLE	○	CONIFEROUS TREE WITH TRUNK SIZE
⊕ W	WATER MANHOLE		
△	FIRE HYDRANT		



PROPOSED REMOVAL AREA

X

REMOVAL ITEM

### GENERAL REMOVAL NOTES

1. THE CONTRACTOR SHALL LIMIT REMOVAL AND DEMOLITION WORK TO THAT INDICATED ON THE PLANS AND SPECIFICALLY REQUIRED TO PROPERLY COMPLETE THE WORK.
2. ANY STRUCTURES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OPERATIONS SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYMENT OF ANY PERMITS FOR DEMOLITION AND WORK THAT PERTAIN TO THIS PROJECT.
4. ALL DEBRIS RESULTING FROM DEMOLITION SHALL BE REMOVED AND PROPERLY DISPOSED OF FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE OWNER.
5. THE CONTRACTOR SHALL EMPLOY DUST CONTROL MEASURES DURING CONSTRUCTION.
6. THE LOCATIONS OF EXISTING UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES AS A RESULT OF THE CONSTRUCTION OPERATIONS AND SHALL REPAIR SAME AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO PLACING THEIR BID. PLACEMENT OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER HAS VISITED THE SITE AND OBSERVED ACTUAL FIELD CONDITIONS RELATIVE TO PERFORMANCE OF THE WORK.
8. THE CONTRACTOR SHALL REMOVE ANY AND ALL EXISTING DEBRIS WHICH IS ENCOUNTERED FROM THE EXISTING BUILDING SITE. THIS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO, FOOTINGS, CONCRETE SLABS, CONDUITS, GRANULAR SUBGRADE, UTILITY SERVICES, AND/OR UNSUITABLE STRUCTURAL FILL MATERIAL WHERE CALLED OUT ON THE PLANS. THE COST FOR THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. REMOVE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY. PROVIDE STRAIGHT CLEAN CUTS WHERE PAVEMENT REMOVAL ENDS BY SAWCUTTING FULL-DEPTH PAVEMENT. WHERE REMOVAL ABUTS EXISTING FEATURES REMOVALS SHALL BE MADE BY SAWCUTTING AND/OR REMOVING TO THE NEAREST CONTROL JOINT. PAYMENT FOR SAWCUT - FULL DEPTH IS SUBSIDIARY.
10. CUT, CAP AND REMOVE ALL UTILITY SERVICES ON SITE PER UTILITY COMPANY REQUIREMENTS. COORDINATE TERMINATION WITH LOCAL SERVICE PROVIDER.
11. STREET BARRICADES SHALL CONFORM TO THE CITY OF OMAHA STANDARDS.
12. ALL STREET SIGNS THAT ARE ENCOUNTERED ARE TO BE REMOVED, SALVAGED AND TURNED OVER TO THE CITY OF OMAHA TRAFFIC DIVISION.

### REMOVAL KEY NOTES

- D.1. REMOVE CURB AND GUTTER WHERE CALLED OUT ON THE PLAN. SAW CUT SHALL BE 2' FROM BACK OF CURB OR TO NEAREST CONTROL JOINT AND EXTEND TWO FEET BEYOND TERMINATION OF DRIVEWAY APRON.
- D.2. REMOVE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY. PROVIDE STRAIGHT CLEAN CUTS WHERE PAVEMENT REMOVAL ENDS BY SAWCUTTING FULL-DEPTH PAVEMENT AND/OR REMOVING TO THE NEAREST CONTROL JOINT.
- D.3. REMOVE & SALVAGE POWER AND LIGHT POLES. REMOVAL SHALL INCLUDE ENTIRE DEPTH OF POLE BASES, CONDUIT, AND WIRING. ALL LIGHT REMOVAL WORK TO BE HANDLED BY OPPD.
- D.4. REMOVE & SALVAGE STREET SIGNS AS NEEDED AND USE TEMPORARY ONES UNTIL PERMANENT ONES CAN BE PLACED. COORDINATE WORK WITH CITY OF OMAHA TRAFFIC ENGINEERING DIVISION (402-444-5160).
- D.5. REMOVE CURB INLET IN ITS ENTIRETY. VERIFY DIRECT CONNECTION TO MUNICIPAL STORM SEWER PRIOR TO REMOVAL.
- D.6. CONTRACTOR SHALL NOT DAMAGE AWNING SUPPORTS. ANY DAMAGE THAT OCCURS SHALL BE FIXED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
- D.7. REMOVE AND DISPOSE OF RETAINING WALLS IN THEIR ENTIRETY.
- D.8. REMOVE AND DISPOSE OF CHAIN LINK FENCE IN ITS ENTIRETY.
- D.9. COORDINATE REMOVAL AND CONSTRUCTION SCHEDULES WITH ALL AFFECTED OWNERS 14 DAYS PRIOR TO STARTING WORK AFFECTING THEM.



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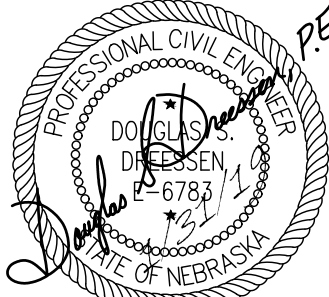
TD2 DRAWING # 2064-116

## REMOVAL PLAN - BASE BID AREA

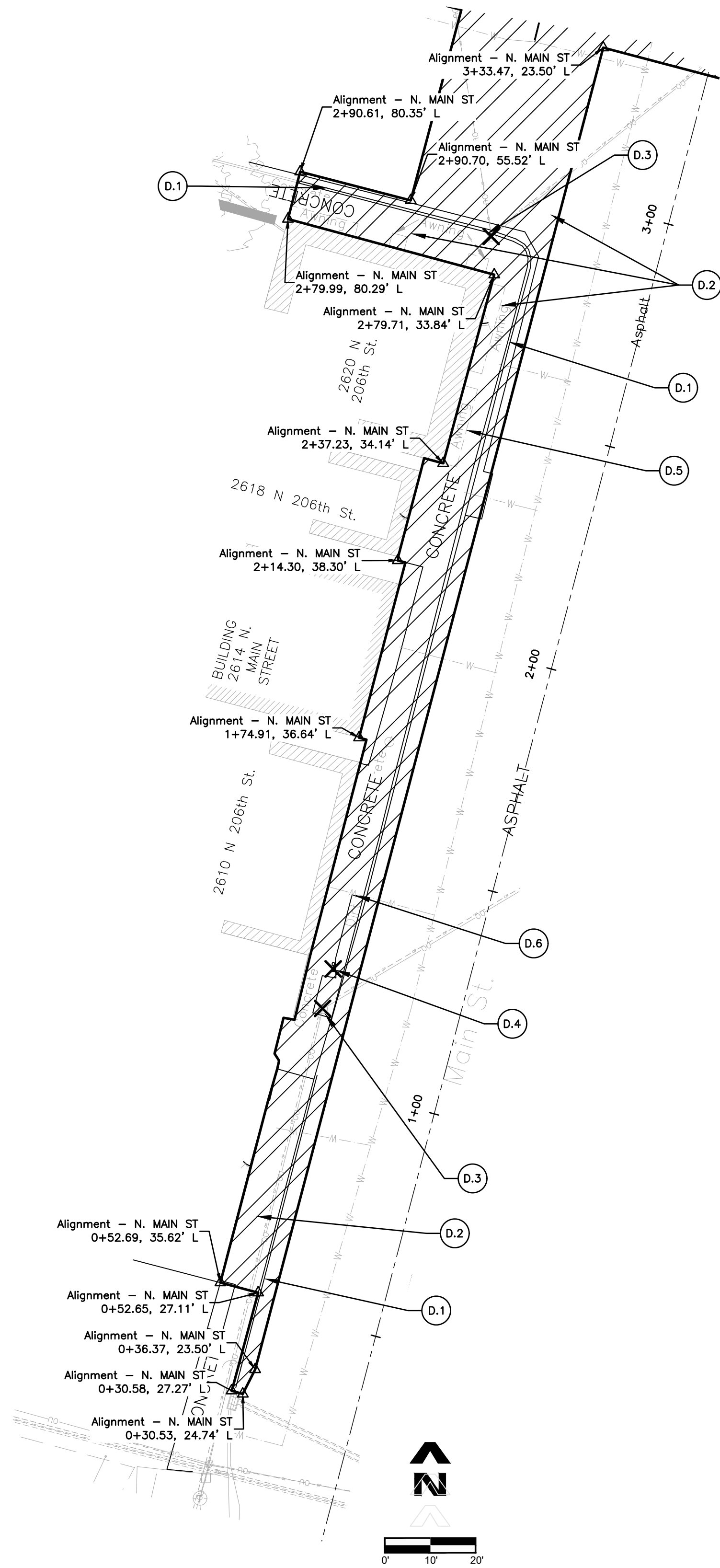
CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
4  
24







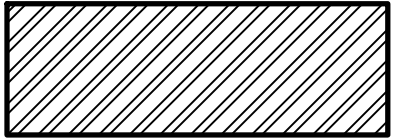
NOTES:

1. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.
2. THE CONTRACTOR SHALL BE AWARE THAT THERE IS A POTENTIAL LAYER OF BRICK BENEATH THE EXISTING PAVEMENT. THEIR BID SHALL REFLECT THAT THEY HAVE TAKEN THIS INTO CONSIDERATION IF CONFRONTED DURING DEMOLITION.

ALTERNATE 1 AREA REMOVAL QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
CLEARING AND GRUBBING — GENERAL	1	L.S.
UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
REMOVE PAVEMENT	155	S.Y.
REMOVE SIDEWALK	2,320	S.F.
REMOVE COMBINATION CURB AND GUTTER	310	L.F.
REMOVE, TEMPORARILY SUPPORT & REPLACE AWNING SUPPORTS	1	L.S.
REMOVE & REINSTALL MAILBOX POST	1	EA.

## LEGEND

●	CORNER FOUND	✕ W	WATER VALVE
○	CORNER SET	✕ G	GAS VALVE
CTP	CRIMP TOP PIPE	*	BOLLARD
OTP	OPEN TOP PIPE	I.E.	INVERT ELEVATION
∅ S	SIGNAL POLE	F.F.E.	FINISH FLOOR ELEVATION
∅	POWER POLE	— G —	CURB INLET
∅ UGL	POWER POLE WITH UNDERGROUND DROP AND LIGHT	— W —	UNDERGROUND GAS
∅ L	POWER POLE WITH LIGHT	--- UC ---	UNDERGROUND WATER
∅	LIGHT POLE	--- OE ---	UNDERGROUND CABLE TV LINE
□ E	ELECTRICAL PEDESTAL	--- OT ---	OVERHEAD ELECTRIC LINE
□ T	TELEPHONE PEDESTAL	--- UT ---	OVERHEAD TELEPHONE LINE
▼ E	GAS METER	□	WOODEN FENCE
▼ G	ELECTRICAL METER	✕	WIRE FENCE
—	SIGN	—	CHAIN LINK FENCE
□ A	AIR CONDITIONING UNIT	— 2" —	PIPE SIZE AND DIRECTION OF FLOW
□ P	PULL BOX	6"	DECIDUOUS TREE WITH TRUNK SIZE
⊕ T	SEWER MANHOLE	6"	CONIFEROUS TREE WITH TRUNK SIZE
⊕ W	WATER MANHOLE		
⊕	TELEPHONE MANHOLE		
⊕	FIRE HYDRANT		



PROPOSED REMOVAL AREA



REMOVAL ITEM

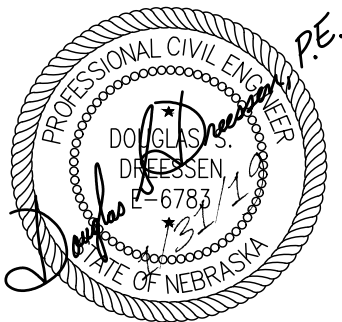
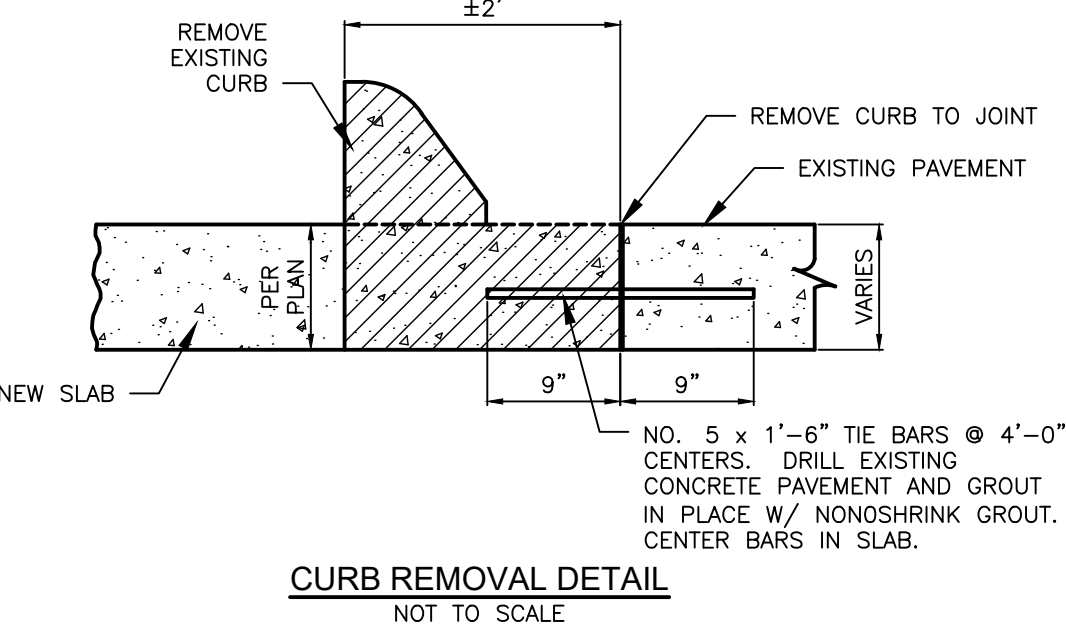
## GENERAL REMOVAL NOTES

1. THE CONTRACTOR SHALL LIMIT REMOVAL AND DEMOLITION WORK TO THAT INDICATED ON THE PLANS AND SPECIFICALLY REQUIRED TO PROPERLY COMPLETE THE WORK.
2. ANY STRUCTURES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OPERATIONS SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYMENT OF ANY PERMITS FOR DEMOLITION AND WORK THAT PERTAIN TO THIS PROJECT.
4. ALL DEBRIS RESULTING FROM DEMOLITION SHALL BE REMOVED AND PROPERLY DISPOSED OF FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE OWNER.
5. THE CONTRACTOR SHALL EMPLOY DUST CONTROL MEASURES DURING CONSTRUCTION.
6. THE LOCATIONS OF EXISTING UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES AS A RESULT OF THE CONSTRUCTION OPERATIONS AND SHALL REPAIR SAME AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO PLACING THEIR BID. PLACEMENT OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER HAS VISITED THE SITE AND OBSERVED ACTUAL FIELD CONDITIONS RELATIVE TO PERFORMANCE OF THE WORK.
8. THE CONTRACTOR SHALL REMOVE ANY AND ALL EXISTING DEBRIS WHICH IS ENCOUNTERED FROM THE EXISTING BUILDING SITE. THIS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO, FOOTINGS, CONCRETE SLABS, CONDUITS, GRANULAR SUBGRADE, UTILITY SERVICES, AND/OR UNSUITABLE STRUCTURAL FILL MATERIAL WHERE CALLED OUT ON THE PLANS. THE COST FOR THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. REMOVE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY. PROVIDE STRAIGHT CLEAN CUTS WHERE PAVEMENT REMOVAL ENDS BY SAWCUTTING FULL-DEPTH PAVEMENT. WHERE REMOVAL ABUTS EXISTING FEATURES REMOVALS SHALL BE MADE BY SAWCUTTING AND/OR REMOVING TO THE NEAREST CONTROL JOINT. PAYMENT FOR SAWCUT — FULL DEPTH IS SUBSIDIARY.
10. CUT, CAP AND REMOVE ALL UTILITY SERVICES ON SITE PER UTILITY COMPANY REQUIREMENTS. COORDINATE TERMINATION WITH LOCAL SERVICE PROVIDER.
11. STREET BARRICADES SHALL CONFORM TO THE CITY OF OMAHA STANDARDS.
12. ALL STREET SIGNS THAT ARE ENCOUNTERED ARE TO BE REMOVED, SALVAGED AND TURNED OVER TO THE CITY OF OMAHA TRAFFIC DIVISION.

D.1

## REMOVAL KEY NOTES

- D.1. REMOVE CURB AND GUTTER WHERE CALLED OUT ON THE PLAN. SAW CUT SHALL BE 2" FROM BACK OF CURB OR TO NEAREST CONTROL JOINT AND EXTEND TWO FEET BEYOND TERMINATION OF DRIVEWAY APRON.
- D.2. REMOVE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY. PROVIDE STRAIGHT CLEAN CUTS WHERE PAVEMENT REMOVAL ENDS BY SAWCUTTING FULL-DEPTH PAVEMENT AND/OR REMOVING TO THE NEAREST CONTROL JOINT.
- D.3. REMOVE & SALVAGE POWER AND LIGHT POLES. REMOVAL SHALL INCLUDE ENTIRE DEPTH OF POLE BASES, CONDUIT, AND WIRING. ALL LIGHT REMOVAL WORK TO BE HANDLED BY OPPD.
- D.4. REMOVE MAILBOXES AND INSTALL TEMPORARY UNTIL PERMANENT CAN BE INSTALLED, COORDINATE WITH U.S. POSTAL SERVICE AS REQUIRED (402-289-5453).
- D.5. CONTRACTOR SHALL REMOVE, TEMPORARILY SUPPORT & REINSTALL AWNING SUPPORTS. COORDINATE DEMO OF AWNINGS WITH OWNERS AS TO NOT AFFECT MAJOR BUSINESS HOURS.
- D.6. CONTRACTOR SHALL LEAVE UTILITY METER AND BOLLARDS IN PLACE AND ADJUST TO FINISHED GRADE IF NEEDED. IF BOLLARDS OR METER CREATE INTERFERENCE WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY TO DISCUSS SOLUTIONS.
- D.7. COORDINATE REMOVAL AND CONSTRUCTION SCHEDULES WITH ALL AFFECTED OWNERS 14 DAYS PRIOR TO STARTING WORK AFFECTING THEM.



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TD2 DRAWING # 2064-116

## REMOVAL PLAN - ALTERNATE 1 AREA

*	1	ADDENDUM A	08/15/18	
**	3	ADDENDUM C	12/13/18	
***				

CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
5  
24





TD2 DRAWING # 2064-116

## REMOVAL ITEM

- ## ALTERNATE 2 AREA REMOVAL QUANTITIES

1. THE CONTRACTOR SHALL LIMIT REMOVAL AND DEMOLITION WORK TO THAT INDICATED ON THE PLANS AND SPECIFICALLY REQUIRED TO PROPERLY COMPLETE THE WORK.
2. ANY STRUCTURES OR MATERIALS DAMAGED BY THE DEMOLITION OPERATIONS SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYMENT OF ANY PERMITS FOR DEMOLITION AND WORK THAT PERTAIN TO THIS PROJECT.
4. ALL RESIDUAL MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE OWNER.
5. THE CONTRACTOR SHALL EMPLOY DUST CONTROL MEASURES DURING CONSTRUCTION.
6. THE LOCATIONS OF EXISTING UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES AS A RESULT OF THE CONSTRUCTION OPERATIONS AND SHALL REPAIR SAME AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL CONDUCT A VISUAL INSPECTING THE SITE PRIOR TO PLACING THEIR BID. PLACEMENT OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER HAS VISITED THE SITE AND OBSERVED ACTUAL FIELD CONDITIONS RELATIVE TO PERFORMANCE OF THE WORK.
8. THE CONTRACTOR SHALL REMOVE ANY AND ALL EXISTING DEBRIS WHICH IS ENCOUNTERED FROM THE EXISTING CONSTRUCTION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: FOOTINGS, CONCRETE SLABS, CONDUITS, GRANULAR SUBGRADE, UTILITY SERVICES, AND/OR UNSUITABLE STRUCTURAL FILL MATERIAL WHERE CALLED OUT ON THE PLANS. THE COST FOR THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. WHERE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY, PROVIDE STRAIGHT CLEAN CUTS WHERE PAVEMENT REMOVAL ENDS BY SAWCUTTING FULL-DEPTH PAVEMENT. WHERE REMOVAL ABUTS EXISTING FEATURES REMOVALS SHALL BE MADE BY SAWCUTTING AND/OR REMOVING TO THE NEAREST EXISTING JOINT. EXISTING JOINTS SHALL BE REPAIRED TO MATCH EXISTING JOINTS.
10. CUT, CAP, AND REMOVE ALL UTILITY SERVICES ON SITE PER UTILITY COMPANY REQUIREMENTS. COORDINATION WITH LOCAL SERVICE PROVIDER.
11. STREET BARRICADES SHALL CONFORM TO THE CITY OF OMAHA STANDARDS.
12. ALL STREET SIGNS THAT ARE ENCOUNTERED ARE TO BE REMOVED, SALVAGED AND TURNED OVER TO THE CITY OF OMAHA TRAFFIC DIVISION.

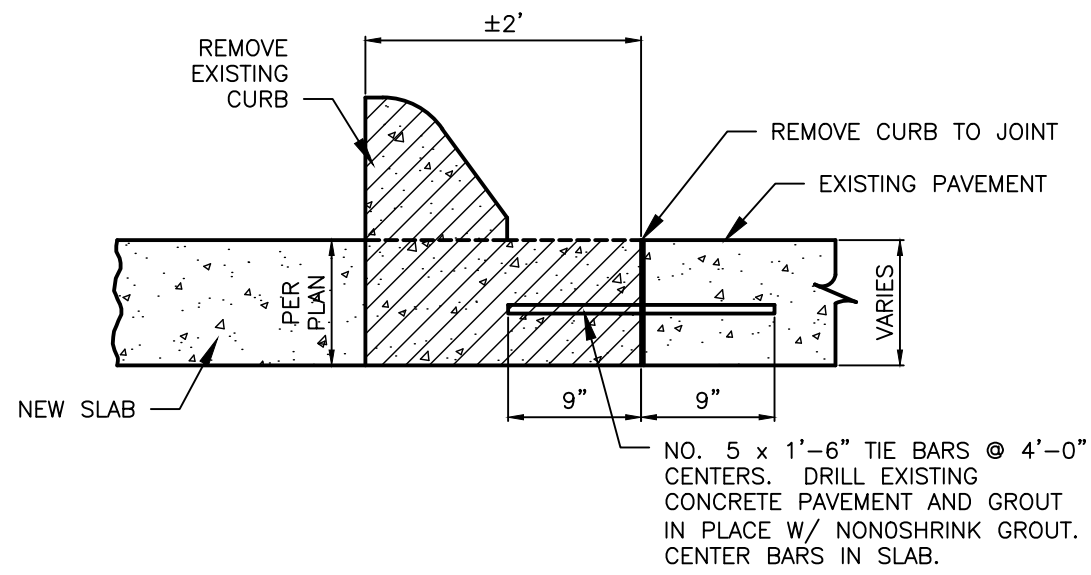
- D.1. REMOVE CURB AND GUTTER WHERE CALLED OUT ON THE PLAN. SAW CUT SHALL BE 2' FROM BACK OF CURB OR TO NEAREST CONTROL JOINT AND EXTEND TWO FEET BEYOND TERMINATION OF DRIVEWAY APRON.
- D.2. REMOVE EXISTING CONCRETE AND A.C.C. PAVEMENT IN ITS ENTIRETY. PROVIDE STRAIGHT CLEAN CUTS WHERE NECESSARY. REMOVE PAVEMENT BY SAWCUTTING FULL-DEPTH PAVEMENT AND/OR REMOVING TO THE NEAREST CONTROL JOINT.
- D.3. REMOVE & SALVAGE POWER AND LIGHT POLES. REMOVAL SHALL INCLUDE ENTIRE DEPTH OF POLE BASES, CONDUIT, AND WIRING. ALL LIGHT REMOVAL WORK TO BE HANDLED BY OPDD.
- D.4. REMOVE MAILBOXES AND INSTALL TEMPORARY UNTIL PERMANENT CAN BE INSTALLED, COORDINATE WITH U.S. MAIL SERVICE AS REQUIRED. (401.04-5453)
- D.5. CONTRACTOR SHALL COORDINATE WITH MUD. MUD SHALL REMOVE AND REPLACE FIRE HYDRANT.
- D.6. REMOVE AND DISPOSE OF STEPS AND RAILINGS IN THEIR ENTIRETY.
- D.7. CONTRACTOR SHALL REMOVE, TEMPORARILY SUPPORT & REINSTALL AWNING SUPPORTS. COORDINATE DEMO OF AWNINGS WITH OWNERS AS TO NOT AFFECT MAJOR BUSINESS HOURS.
- D.8. COORDINATE REMOVAL AND CONSTRUCTION SCHEDULES WITH ALL AFFECTED OWNERS 14 DAYS PRIOR TO STARTING WORK AFFECTING THEM.



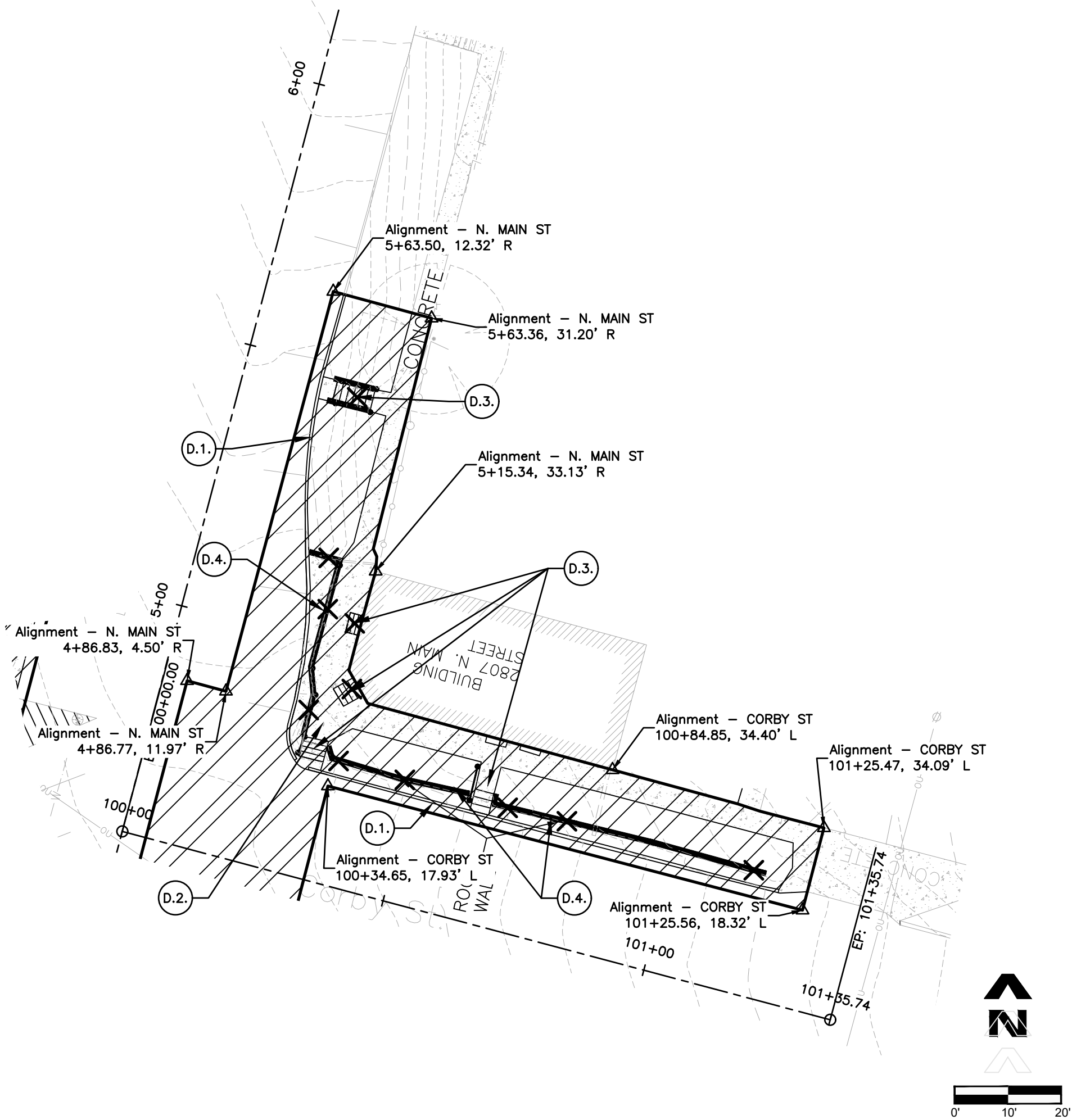
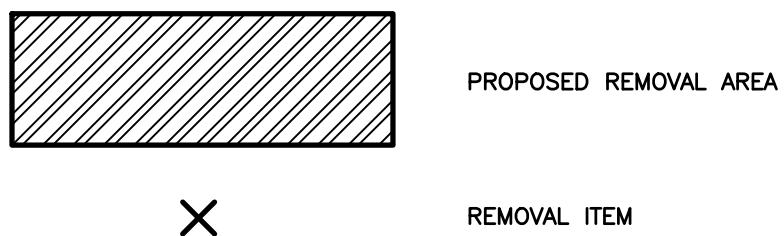
**OPW 5331 1**



NOTES:  
1. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.  
2. THE CONTRACTOR SHALL BE AWARE THAT THERE IS A POTENTIAL LAYER OF BRICK BENEATH THE EXISTING PAVEMENT. THEIR BID SHALL REFLECT THAT THEY HAVE TAKEN THIS INTO CONSIDERATION IF CONFRONTED DURING DEMOLITION.

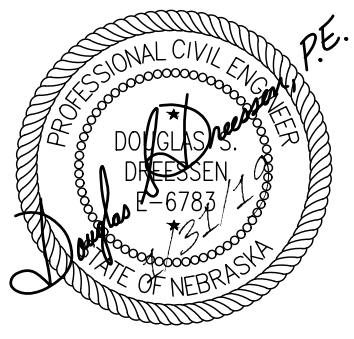


LEGEND			
●	CORNER FOUND	⊗ W	WATER VALVE
○	CORNER SET	⊗ G	GAS VALVE
○ CTP	CRIMP TOP PIPE	•	BOLLARD
○ OTP	OPEN TOP PIPE	1.E.	INVERT ELEVATION
○ S	SIGNAL POLE	F.F.E.	FINISH FLOOR ELEVATION
○ P	POWER POLE	⊗	CURB INLET
○ UCL	POWER POLE WITH UNDERGROUND CABLE	⊗	UNDERGROUND GAS
○ L	POWER POLE WITH LIGHT	⊗	UNDERGROUND WATER
○	LIGHT POLE	⊗	UNDERGROUND CABLE TV LINE
□ E	ELECTRICAL PEDESTAL	⊗	OVERHEAD ELECTRIC LINE
□ T	TELEPHONE PEDESTAL	⊗	OVERHEAD TELEPHONE LINE
□ E	ELECTRICAL METER	⊗	UNDERGROUND TELEPHONE LINE
▼ G	GAS METER	⊗	WOODEN FENCE
⊗	SIGN	⊗	WIRE FENCE
□ A	AIR CONDITIONING UNIT	⊗	CHAIN LINK FENCE
□ P	PULL BOX	⊗	PIPE SIZE AND DIRECTION OF FLOW
⊗	SEWER MANHOLE	⊗	DECIDUOUS TREE WITH TRUNK SIZE
⊗ T	TELEPHONE MANHOLE	⊗	CONIFEROUS TREE WITH TRUNK SIZE
⊗ W	WATER MANHOLE		
⊗	FIRE HYDRANT		



REMOVAL KEY NOTES	
D.1.	REMOVE CURB AND GUTTER WHERE CALLED OUT ON THE PLAN. SAW CUT SHALL BE 2' FROM BACK OF CURB OR TO NEAREST CONTROL JOINT AND EXTEND TWO FEET BEYOND TERMINATION OF DRIVEWAY APRON.
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D.3.	REMOVE AND DISPOSE OF STEPS AND RAILINGS IN THEIR ENTIRETY.
D.4.	REMOVE AND DISPOSE OF RETAINING WALLS IN THEIR ENTIRETY.
D.5.	COORDINATE REMOVAL AND CONSTRUCTION SCHEDULES WITH ALL AFFECTED OWNERS 14 DAYS PRIOR TO STARTING WORK AFFECTING THEM.

ALTERNATE 3 AREA REMOVAL QUANTITIES		
DESCRIPTION	QUANTITY	UNIT
CLEARING AND GRUBBING - GENERAL	1	L.S.
UNSUITABLE SUBGRADE MATERIAL	10	C.Y.
REMOVE PAVEMENT	130	S.Y.
REMOVE SIDEWALK	1,020	S.F.
REMOVE COMBINATION CURB AND GUTTER	180	L.F.
EXCAVATION HAUL-OFF	280	C.Y.
REMOVE & DISPOSE STAIRCASE & RAILINGS	5	EA.
REMOVE RETAINING WALL	1	L.S.



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***	1	ADDENDUM A	08/15/18		CITY OF OMAHA PUBLIC WORKS DEPARTMENT	OPW 53311	SHEET 7 24
**	3	ADDENDUM C	12/13/18				
*							

## REMOVAL PLAN - ALTERNATE 3 AREA



LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
TS	TOP OF SLAB
TW	FINISHED GRADE OF ABUTTING SURFACE AT TOP OF WALL
BW	FINISHED GRADE OF ABUTTING SURFACE AT BOTTOM OF WALL
TC	TOP OF CURB
G	GUTTER
	INLET FILTER

GRADING NOTES

1. REFER TO 'CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)' FOR ALL BACKFILL & SUBGRADE REQUIREMENTS.
2. PROPOSED CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
3. FINAL ELEVATIONS SHOWN ARE TO FINISH SURFACES. VERIFY WITH SITE PLAN THE DEPTH OF PAVING, DRIVES AND SIDEWALKS AFTER TOP SOIL PLACEMENT. GRADE AS REQUIRED TO ACHIEVE THE FINISH SURFACE ELEVATIONS AS SHOWN. GRADE SHALL GRADUALLY TAPER OVER SPOT ELEVATIONS IN A GENTLE SWEEPING CURVE.
4. MATCH EXISTING ELEVATIONS AT PROPERTY LINES OR STREET CURBS AS SHOWN WITHOUT SUDDEN BREAKS.
5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.
6. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE EROSION CONTROL MEASURES AS NEEDED TO PREVENT SILT LADEN RUN-OFF FROM LEAVING THE SITE.
7. CONTRACTOR SHALL PROVIDE WIND AND WATER EROSION CONTROL AS REQUIRED. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SILT-LADEN RUNOFF FROM ENTERING STORM SEWER AND RUNNING ONTO ADJACENT PROPERTY. CONTRACTOR SHALL REMOVE MUD AND SILT FROM ADJACENT PUBLIC AND PRIVATE PROPERTY AND STREETS IMMEDIATELY AFTER ANY SPILLAGE. EROSION CONTROL SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED SUBSIDIARY TO THE ITEMS FOR WHICH PAYMENT IS BEING MADE. THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT FROM ALL BMP DEVICES.

NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL NEW SIDEWALKS ARE ADA COMPLIANT AND HAVE CROSS SLOPES NO GREATER THAN 2%.
2. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.
3. SAME AREA IS SHOWN ON SHEET 9 TO REDUCE CLUTTER OF SPOT ELEVATIONS.
4. STATIONING AND OFFSETS CAN BE FOUND ON SHEET 13.
5. REFER TO SHEET 21 FOR DETAIL OF PLANTER BEDS.

The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc.). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



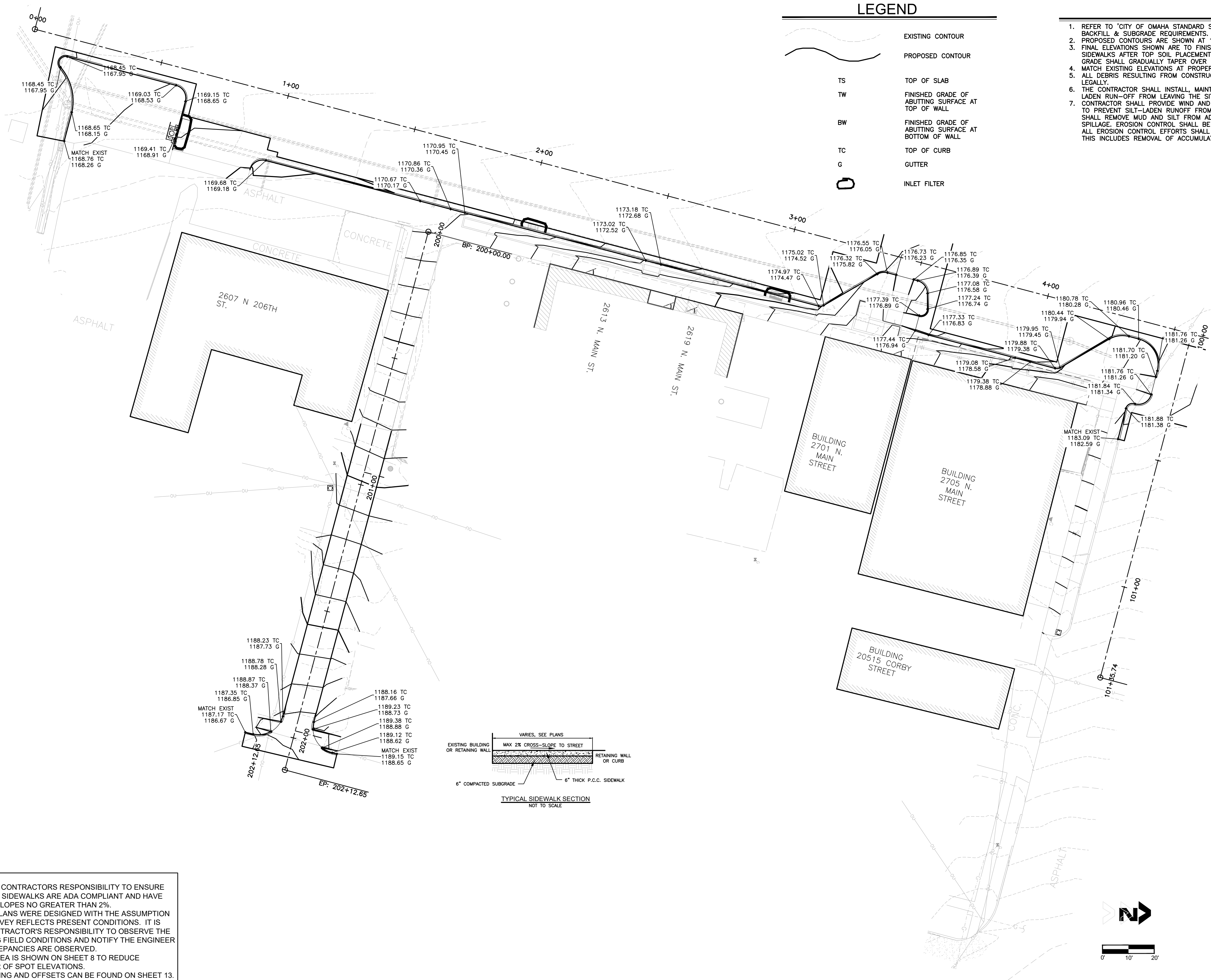
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TD2 DRAWING # 2064-116

GRADING PLAN & SPOT ELEVATIONS - BASE BID AREA

*				CITY OF OMAHA	OPW 53311	SHEET 8 24
**				PUBLIC WORKS DEPARTMENT		
***						





LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
TS	TOP OF SLAB
TW	FINISHED GRADE OF ABUTTING SURFACE AT TOP OF WALL
BW	FINISHED GRADE OF ABUTTING SURFACE AT BOTTOM OF WALL
TC	TOP OF CURB
G	GUTTER
	INLET FILTER

- GRADING NOTES
1. REFER TO 'CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)' FOR ALL BACKFILL & SUBGRADE REQUIREMENTS.

2. PROPOSED CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.

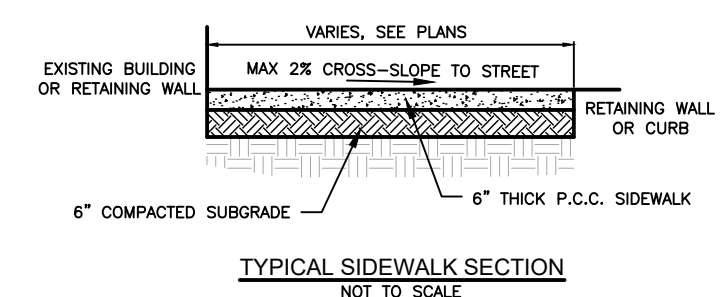
3. FINAL ELEVATIONS SHOWN ARE TO FINISH SURFACES. VERIFY WITH SITE PLAN THE DEPTH OF PAVING, DRIVES AND SIDEWALKS AFTER TOP SOIL PLACEMENT. GRADE AS REQUIRED TO ACHIEVE THE FINISH SURFACE ELEVATIONS AS SHOWN. GRADE SHALL GRADUALLY TAPER OVER SPOT ELEVATIONS IN A GENTLE SWEEPING CURVE.

4. MATCH EXISTING ELEVATIONS AT PROPERTY LINES OR STREET CURBS AS SHOWN WITHOUT SUDDEN BREAKS.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.

6. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE EROSION CONTROL MEASURES AS NEEDED TO PREVENT SILT LADEN RUN-OFF FROM LEAVING THE SITE.

7. CONTRACTOR SHALL PROVIDE WIND AND WATER EROSION CONTROL AS REQUIRED. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SILT-LADEN RUNOFF FROM ENTERING STORM SEWER AND RUNNING ONTO ADJACENT PROPERTY. CONTRACTOR SHALL REMOVE MUD AND SILT FROM ADJACENT PUBLIC AND PRIVATE PROPERTY AND STREETS IMMEDIATELY AFTER ANY SPILLAGE. EROSION CONTROL SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED SUBSIDIARY TO THE ITEMS FOR WHICH PAYMENT IS BEING MADE. THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT FROM ALL BMP DEVICES.



- NOTES:
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL NEW SIDEWALKS ARE ADA COMPLIANT AND HAVE CROSS SLOPES NO GREATER THAN 2%.

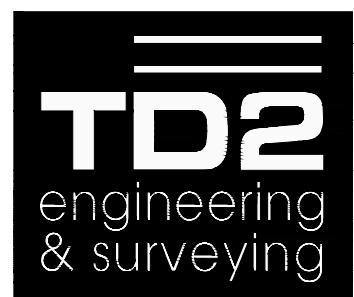
2. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.

3. SAME AREA IS SHOWN ON SHEET 8 TO REDUCE CLUTTER OF SPOT ELEVATIONS.

4. STATIONING AND OFFSETS CAN BE FOUND ON SHEET 13.

5. REFER TO SHEET 21 FOR DETAIL OF PLANTER BEDS.

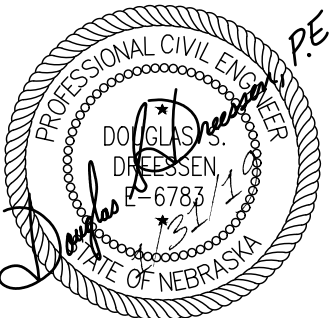
The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.

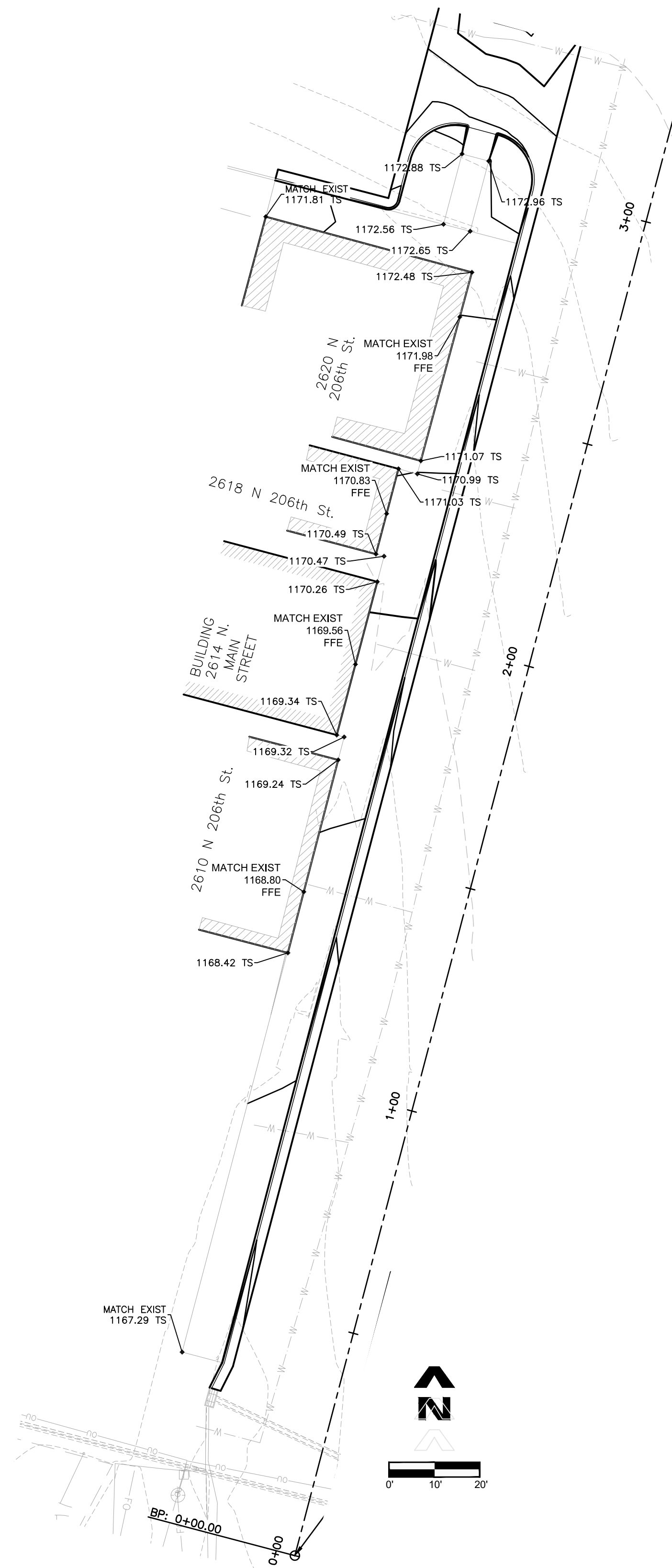


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GRADING PLAN & SPOT ELEVATIONS - BASE BID AREA

*				CITY OF OMAHA	OPW 53311	SHEET 9 / 24
**				PUBLIC WORKS DEPARTMENT		
***						





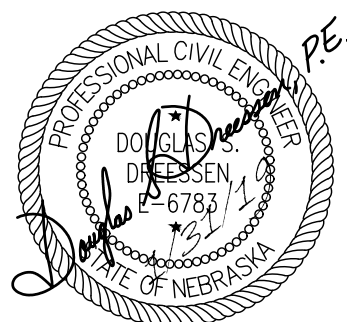
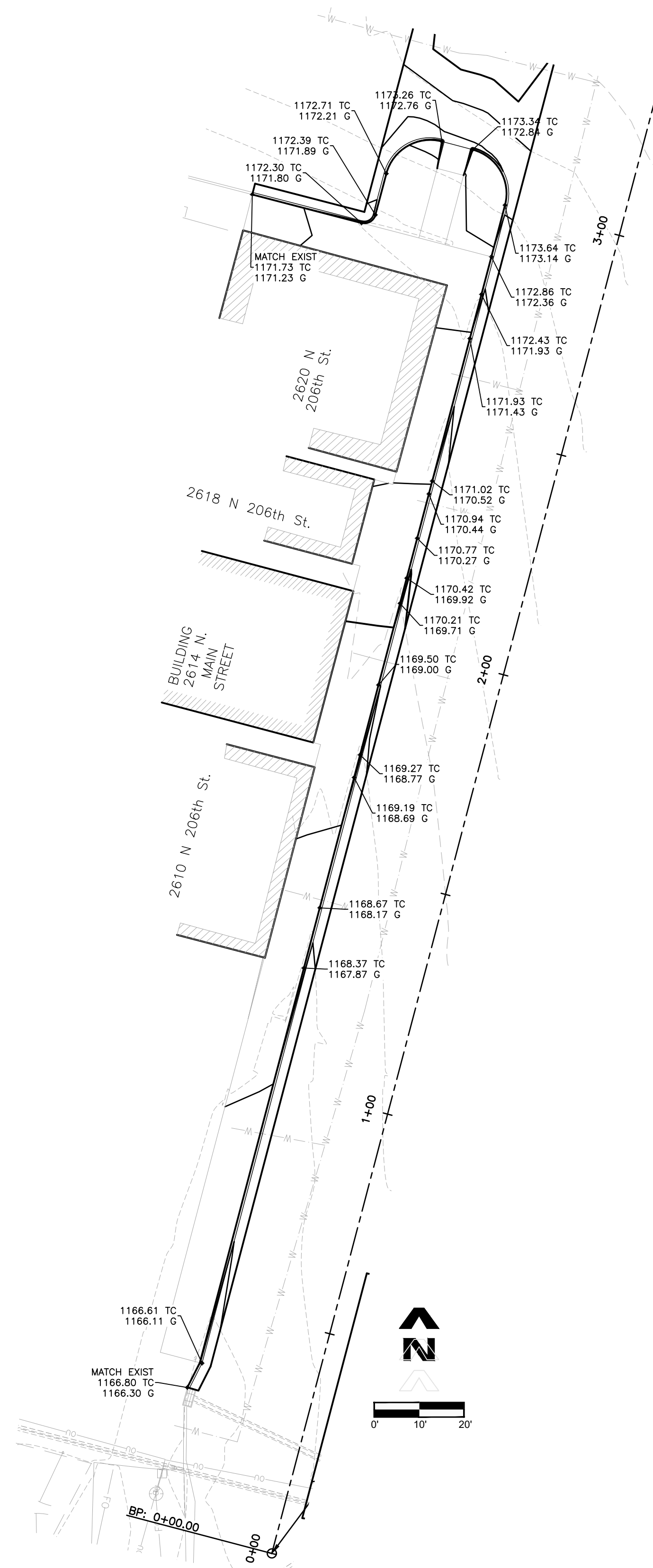
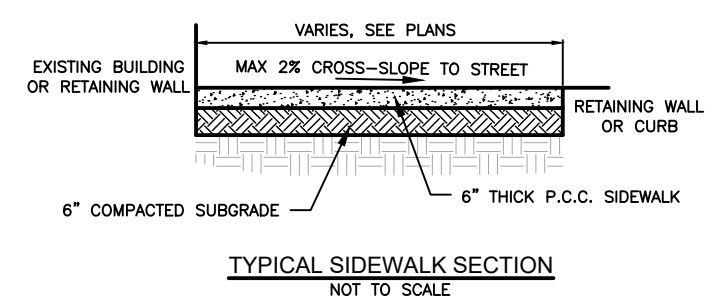
### GRADING NOTES

1. REFER TO 'CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)' FOR ALL BACKFILL & SUBGRADE REQUIREMENTS.
2. PROPOSED CONTOURS ARE SHOWN AT 1' FOOT INTERVALS.
3. FINAL ELEVATIONS SHOWN ARE TO FINISH SURFACES. VERIFY WITH SITE PLAN THE DEPTH OF PAVING, DRIVES AND SIDEWALKS AFTER TOP SOIL PLACEMENT. GRADE AS REQUIRED TO ACHIEVE THE FINISH SURFACE ELEVATIONS AS SHOWN. GRADE SHALL GRADUALLY TAPER OVER SPOT ELEVATIONS IN A GENTLE SWEEPING CURVE.
4. MATCH EXISTING ELEVATIONS AT PROPERTY LINES OR STREET CURBS AS SHOWN WITHOUT SUDDEN BREAKS.
5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.
6. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE EROSION CONTROL MEASURES AS NEEDED TO PREVENT SILT LADEN RUN-OFF FROM LEAVING THE SITE.
7. CONTRACTOR SHALL PROVIDE WIND AND WATER EROSION CONTROL AS REQUIRED. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SILT-LADEN RUNOFF FROM ENTERING STORM SEWER AND RUNNING ONTO ADJACENT PROPERTY. CONTRACTOR SHALL REMOVE MUD AND SILT FROM ADJACENT PUBLIC AND PRIVATE PROPERTY AND STREETS IMMEDIATELY AFTER ANY SPILLAGE. EROSION CONTROL SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED SUBSIDIARY TO THE ITEMS FOR WHICH PAYMENT IS BEING MADE. THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT FROM ALL BMP DEVICES.

### LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
TS	TOP OF SLAB
TW	FINISHED GRADE OF ABUTTING SURFACE AT TOP OF WALL
BW	FINISHED GRADE OF ABUTTING SURFACE AT BOTTOM OF WALL
TC	TOP OF CURB
G	GUTTER
	INLET FILTER

- NOTES:
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL NEW SIDEWALKS ARE ADA COMPLIANT AND HAVE CROSS SLOPES NO GREATER THAN 2%.
  2. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.
  3. SAME AREAS ARE BEING SHOWN TO REDUCE CLUTTER OF SPOT ELEVATIONS.
  4. STATIONING AND OFFSET CAN BE FOUND ON SHEET 14



The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



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TD2 DRAWING # 2064-116

## GRADING PLAN & SPOT ELEVATIONS - ALTERNATE 1 AREA

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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
10  
24



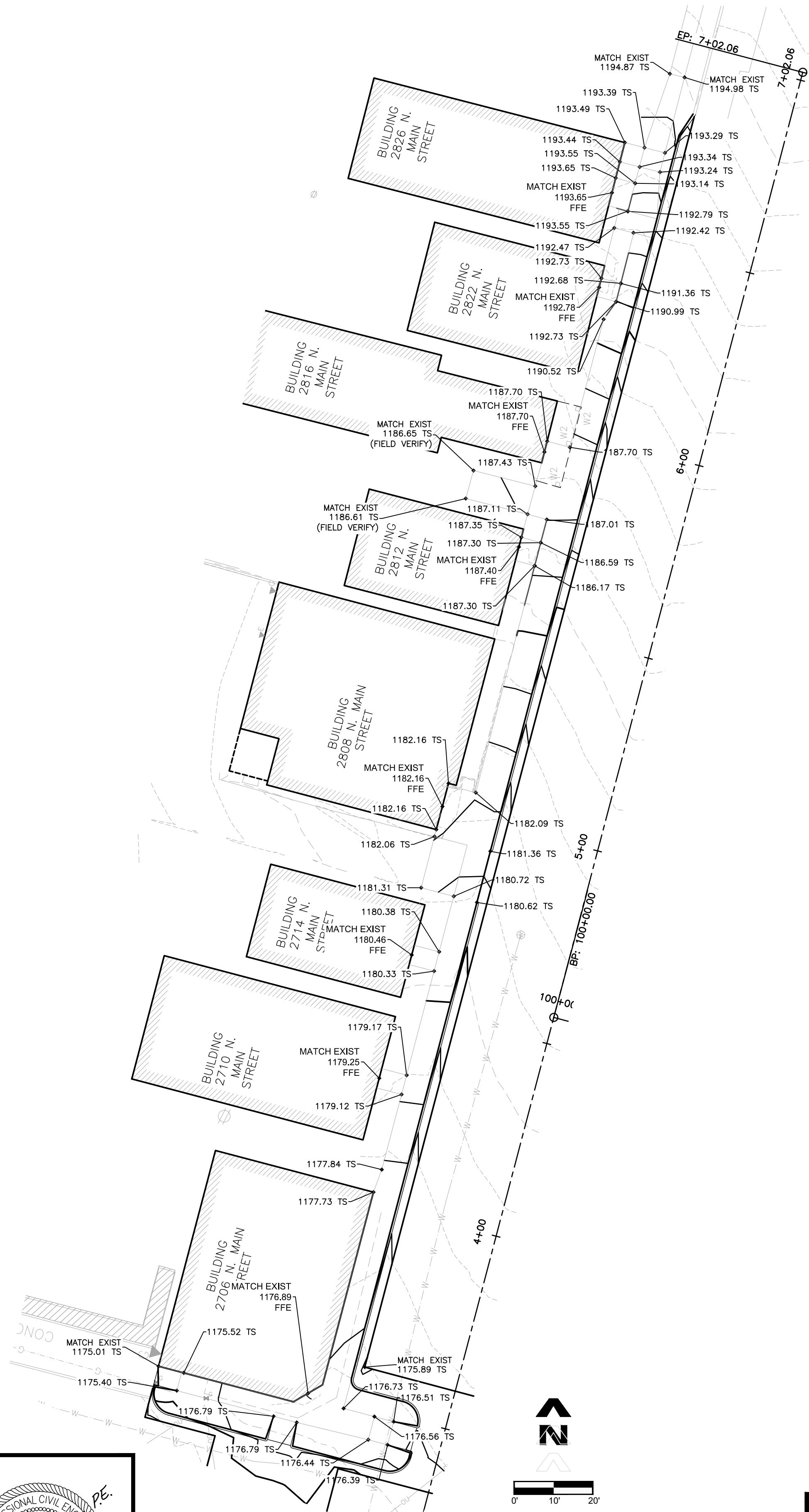
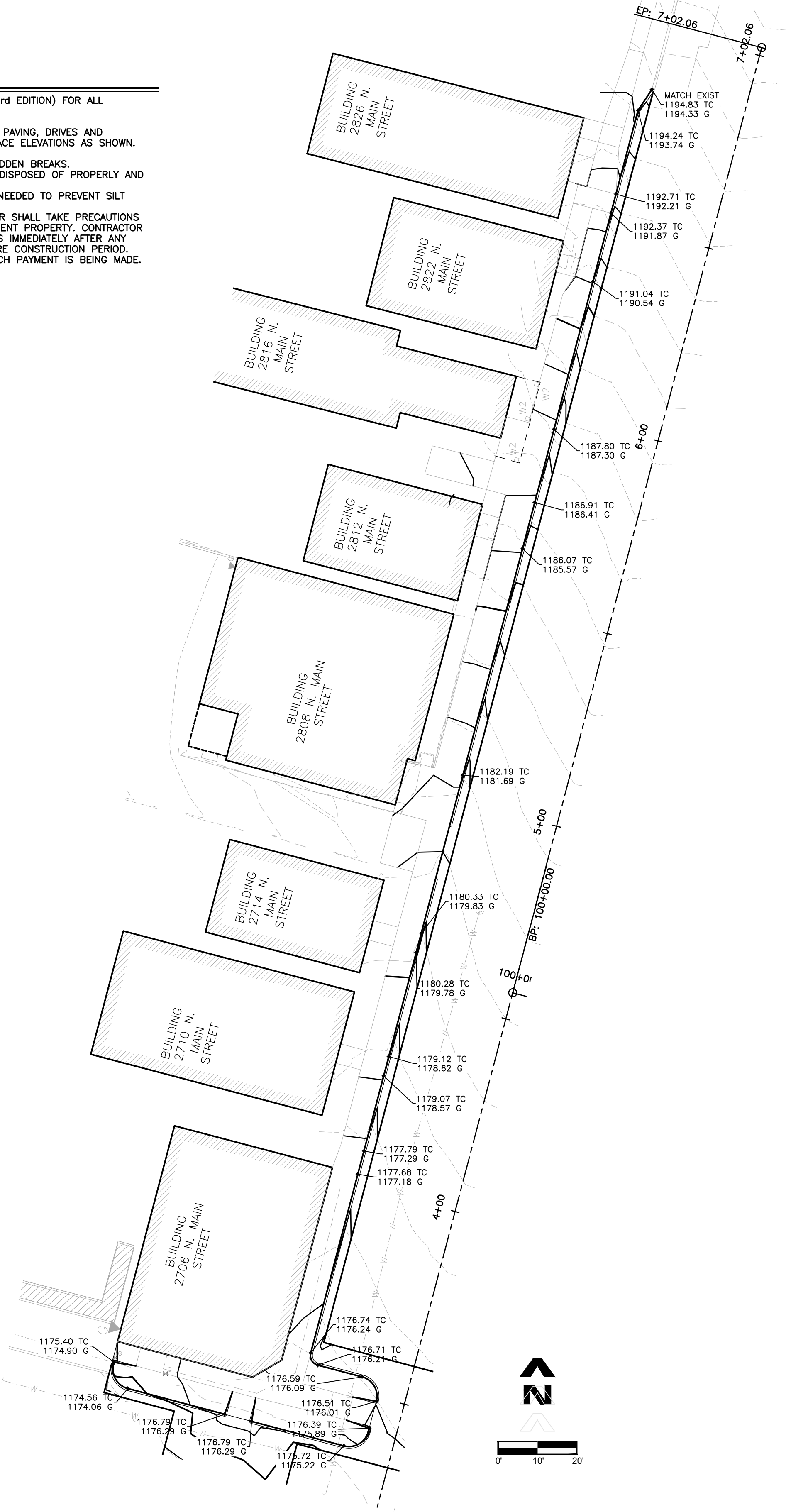
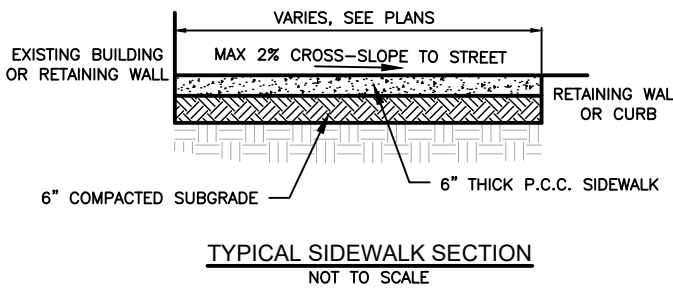
GRADING NOTES

1. REFER TO 'CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)' FOR ALL BACKFILL & SUBGRADE REQUIREMENTS.
2. EXISTING AND PROPOSED CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
3. FINAL ELEVATIONS SHOWN ARE TO FINISH SURFACES. VERIFY WITH SITE PLAN THE DEPTH OF PAVING, DRIVES AND SIDEWALKS AFTER TOP SOIL PLACEMENT. GRADE AS REQUIRED TO ACHIEVE THE FINISH SURFACE ELEVATIONS AS SHOWN. GRADE SHALL GRADUALLY TAPER OVER SPOT ELEVATIONS IN A GENTLE SWEEPING CURVE.
4. MATCH EXISTING ELEVATIONS AT PROPERTY LINES OR STREET CURBS AS SHOWN WITHOUT SUDDEN BREAKS.
5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY AND LEGALLY.
6. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE EROSION CONTROL MEASURES AS NEEDED TO PREVENT SILT LADEN RUN-OFF FROM LEAVING THE SITE.
7. CONTRACTOR SHALL PROVIDE WIND AND WATER EROSION CONTROL AS REQUIRED. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SILT-LADEN RUNOFF FROM ENTERING STORM SEWER AND RUNNING ONTO ADJACENT PROPERTY. CONTRACTOR SHALL REMOVE MUD AND SILT FROM ADJACENT PUBLIC AND PRIVATE PROPERTY AND STREETS IMMEDIATELY AFTER ANY SPILLAGE. EROSION CONTROL SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED SUBSIDIARY TO THE ITEMS FOR WHICH PAYMENT IS BEING MADE. THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT FROM ALL BMP DEVICES.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- TS TOP OF SLAB
- TW FINISHED GRADE OF ABUTTING SURFACE AT TOP OF WALL
- BW FINISHED GRADE OF ABUTTING SURFACE AT BOTTOM OF WALL
- TC TOP OF CURB
- G GUTTER
- INLET FILTER

- NOTES:
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL NEW SIDEWALKS ARE ADA COMPLIANT AND HAVE CROSS SLOPES NO GREATER THAN 2%.
  2. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.
  3. SAME AREAS ARE BEING SHOWN TO REDUCE CLUTTER OF SPOT ELEVATIONS.
  4. STATIONING AND OFFSET CAN BE FOUND ON SHEET 15.



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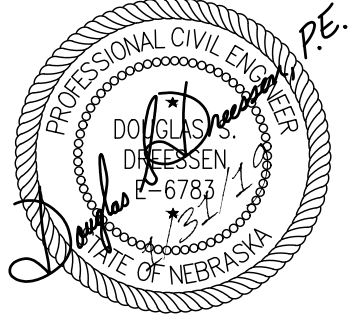
GRADING PLAN & SPOT ELEVATIONS - ALTERNATE 2 AREA

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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
11  
24





The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.

GRADING NOTES

1. REFER TO 'CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)' FOR ALL BACKFILL & SUBGRADE REQUIREMENTS.
2. PROPOSED CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
3. FINAL ELEVATIONS SHOWN ARE TO FINISH SURFACES. VERIFY WITH SITE PLAN THE DEPTH OF PAVING, DRIVES AND SIDEWALKS AFTER TOP SOIL PLACEMENT. GRADE AS REQUIRED TO ACHIEVE THE FINISH SURFACE ELEVATIONS AS SHOWN. GRADE SHALL GRADUALLY TAPER OVER SPOT ELEVATIONS IN A GENTLE SWEEPING CURVE.
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LEGEND


-  EXISTING CONTOUR
-  PROPOSED CONTOUR
- TS

TW

BW

TC

G


- TOP OF SLAB

FINISHED GRADE OF ABUTTING SURFACE AT TOP OF WALL

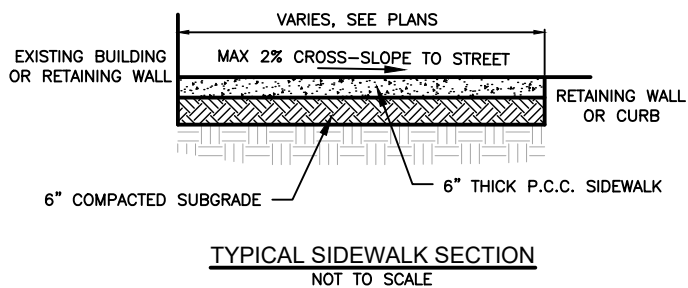
FINISHED GRADE OF ABUTTING SURFACE AT BOTTOM OF WALL

TOP OF CURB

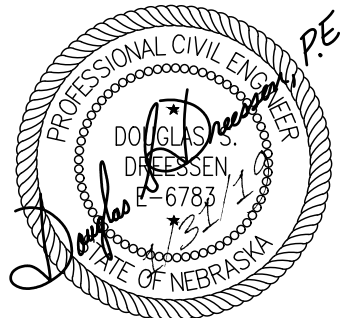
GUTTER

INLET FILTER

- NOTES:
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL NEW SIDEWALKS ARE ADA COMPLIANT AND HAVE CROSS SLOPES NO GREATER THAN 2%.
  2. THESE PLANS WERE DESIGNED WITH THE ASSUMPTION THE SURVEY REFLECTS PRESENT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE THE EXISTING FIELD CONDITIONS AND NOTIFY THE ENGINEER IF DISCREPANCIES ARE OBSERVED.
  3. SAME AREAS ARE BEING SHOWN TO REDUCE CLUTTER OF SPOT ELEVATIONS.
  4. STATIONING AND OFFSET CAN BE FOUND ON SHEET 16



GRADING PLAN & SPOT ELEVATIONS - ALTERNATE 3 AREA



The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



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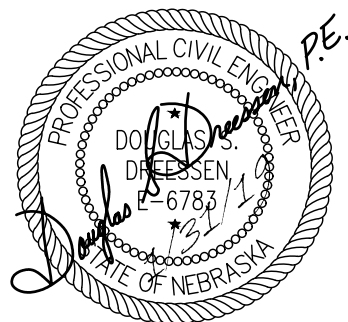
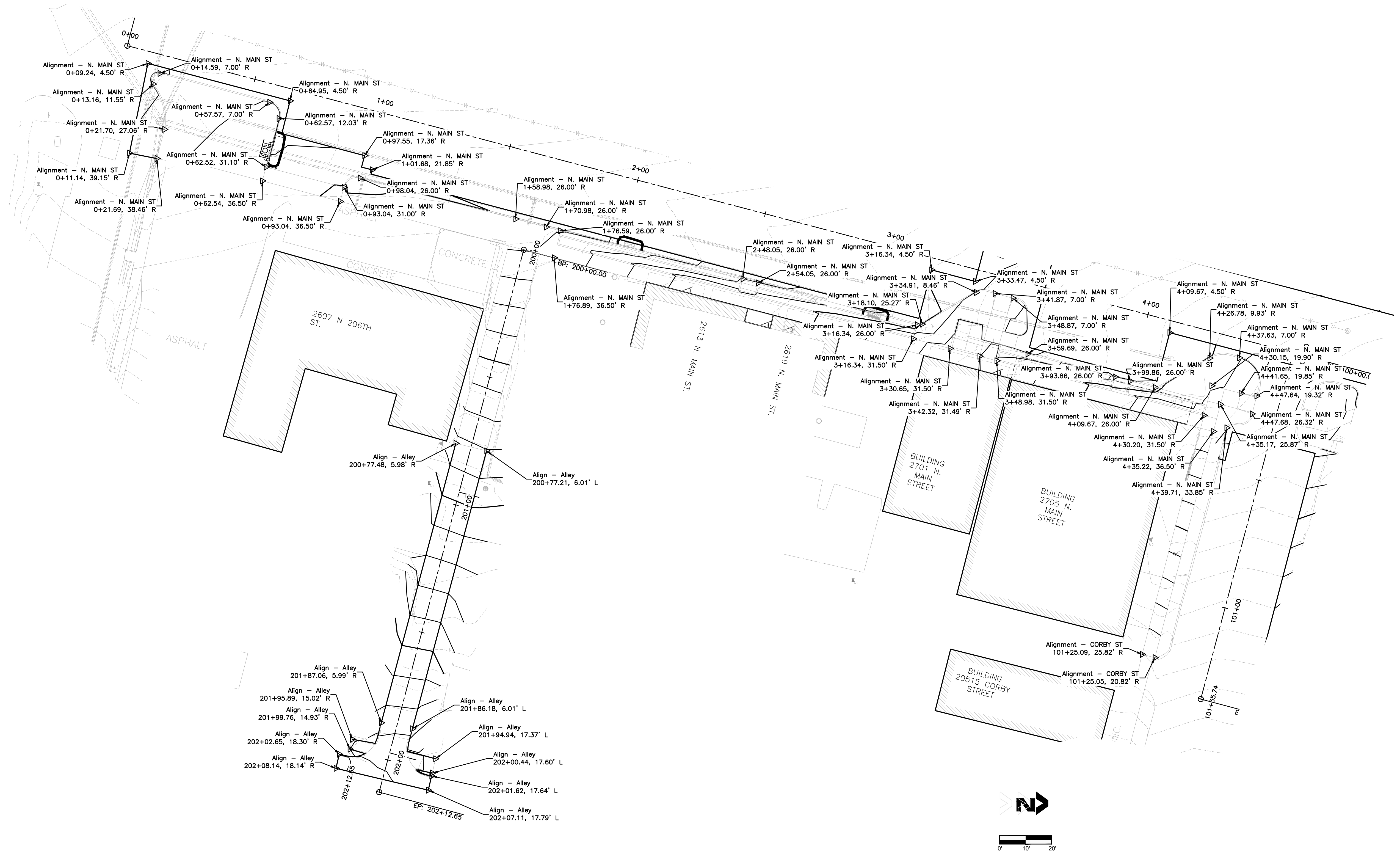
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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
12 / 24





The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.

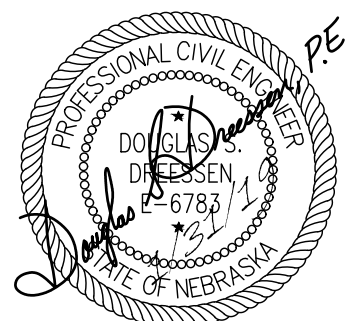
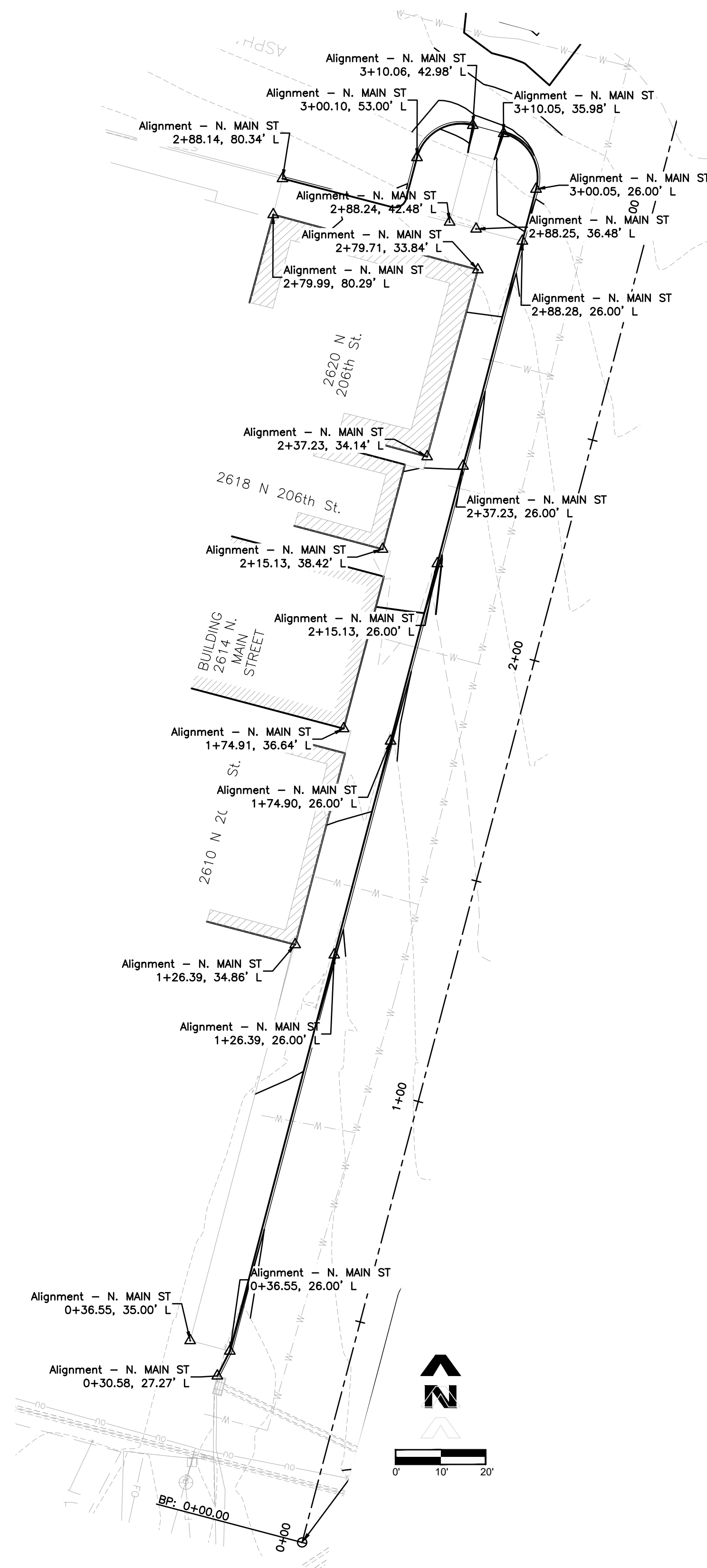


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## STATIONING AND OFFSETS - BASE BID AREA

*				CITY OF OMAHA	OPW 53311	SHEET 13 24
**				PUBLIC WORKS DEPARTMENT		
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The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



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## STATIONING AND OFFSETS - ALTERNATE 1 AREA

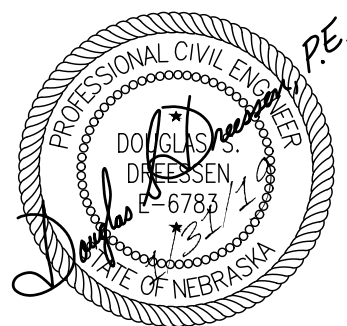
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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

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The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



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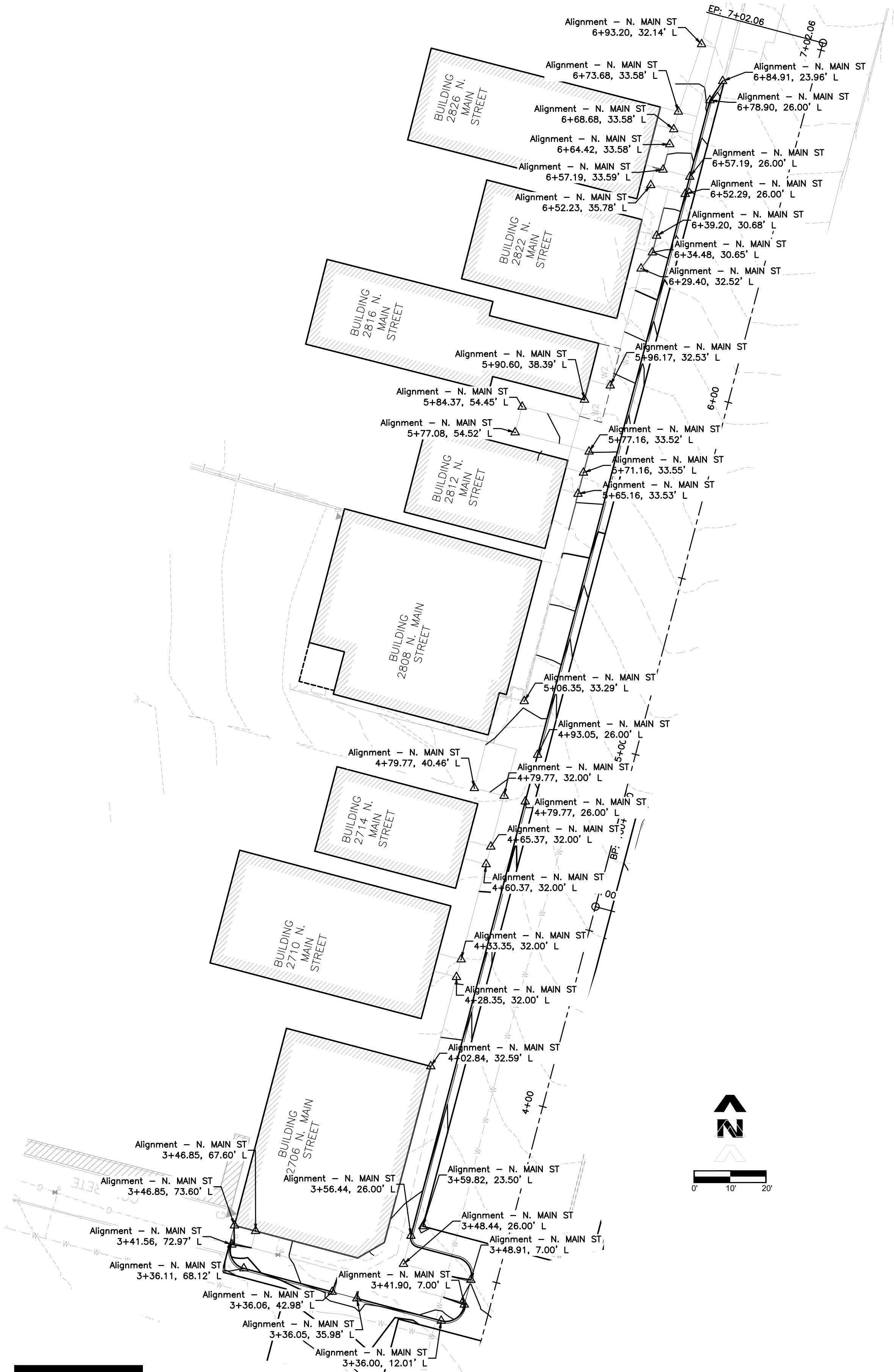
STATIONING AND OFFSETS - ALTERNATE 2 AREA

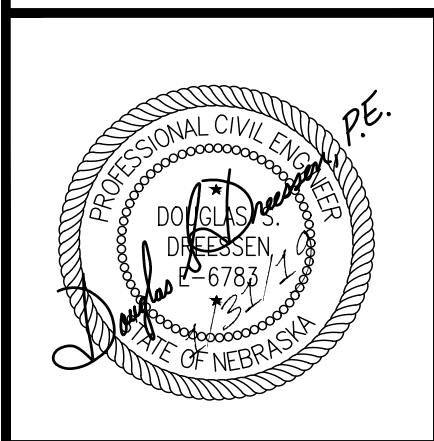
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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

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24





The CONTRACTOR shall install erosion control features (examples: silt fencing, stabilized construction entrance, inlet filters, etc). Erosion control features must be located and constructed in a manner that prevents sediment from escaping the site. Installation of erosion control features must occur prior to construction.



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STATIONING AND OFFSETS - ALTERNATE 3 AREA

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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
16  
24



LEGEND

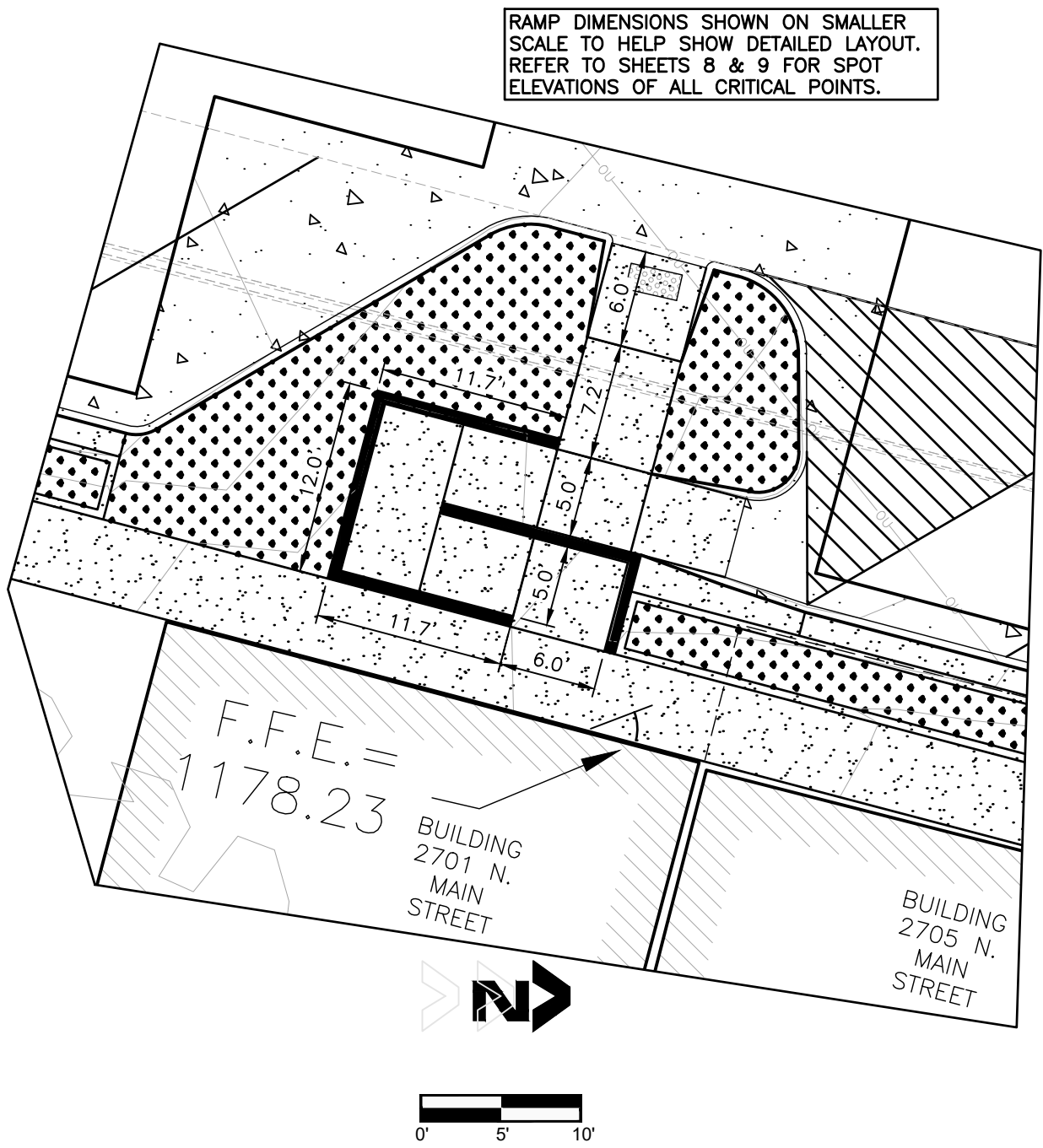
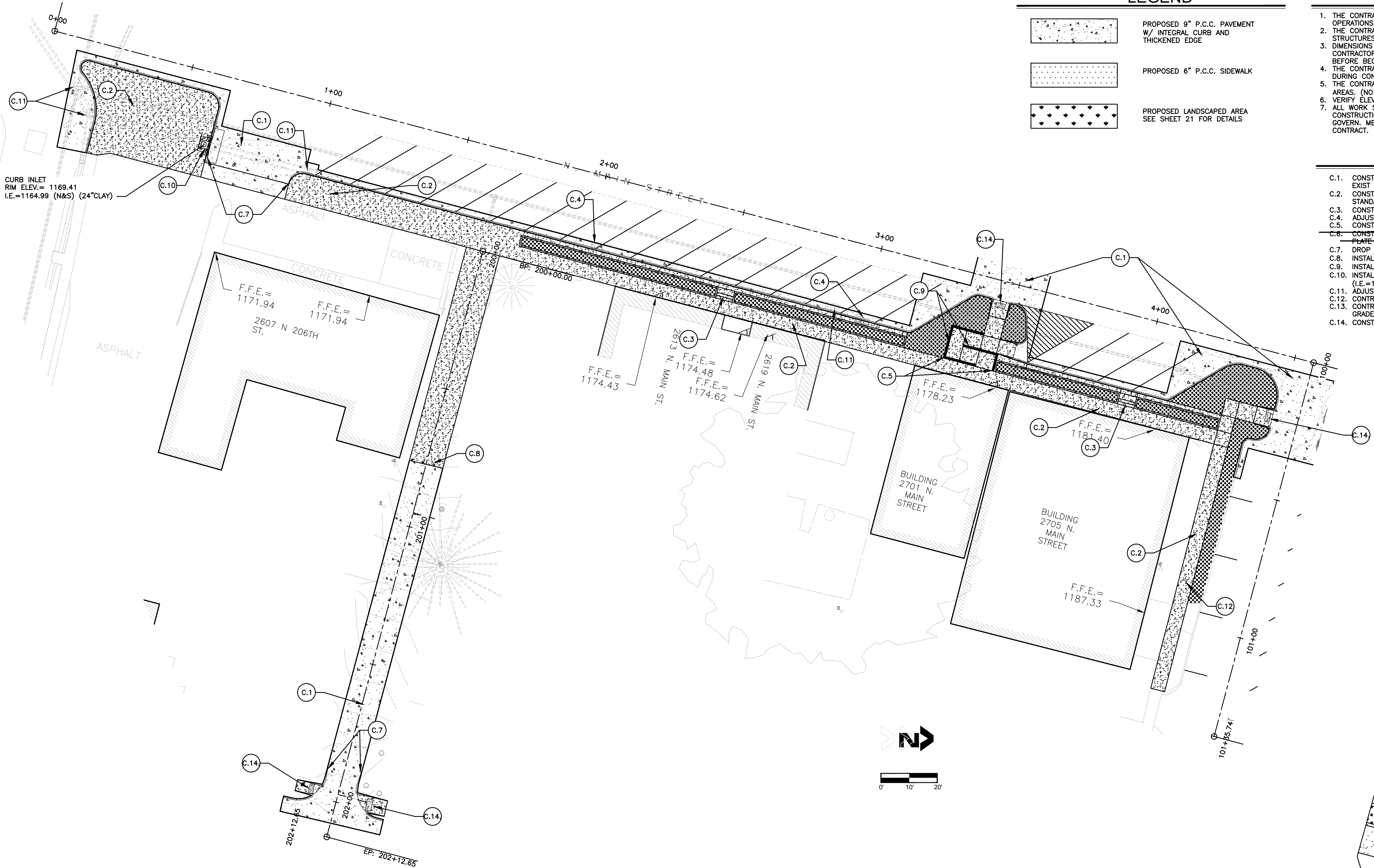
- PROPOSED 9" P.C.C. PAVEMENT  
W/ INTEGRAL CURB AND  
THICKENED EDGE
- PROPOSED 6" P.C.C. SIDEWALK
- PROPOSED LANDSCAPED AREA  
SEE SHEET 21 FOR DETAILS

PAVING NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES, AND WILL REPAIR OR REPLACE DAMAGED IMPROVEMENTS AT HIS OWN EXPENSE.
3. DIMENSIONS SHOWN ARE TO EDGE OF SLAB, BACK OF CURB, OR FACE OF BUILDING AS APPLICABLE. CONTRACTOR SHALL VERIFY THE LAYOUT AND DIMENSIONS OF IMPROVEMENTS WITH THE OWNER AND ARCHITECT BEFORE BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BARRICADES, FLAGMEN, AND TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR TRAFFIC CONTROL.
5. THE CONTRACTOR SHALL ADJUST ALL UTILITIES TO FINISHED PAVEMENT GRADE OR AS REQUIRED IN LANDSCAPED AREAS. (NO PAY ITEM)
6. VERIFY ELEVATIONS AT ALL OUTSIDE DOOR LOCATIONS TO ENSURE CODE COMPLIANCE AND ACCESSIBILITY.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE PROJECT PLANS, IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN. MEASUREMENT & PAYMENT SECTIONS OF CITY SPEC SHALL NOT APPLY UNLESS STATED OTHERWISE IN CONTRACT.

C.1 SITE PLAN KEY NOTES

- C.1. CONSTRUCT 9" P.C.C. PAVEMENT WITH INTEGRAL TYPE "A" CURB AND THICKENED EDGE WHERE NEW AND EXIST PAVEMENT MEET.
- C.2. CONSTRUCT 6" P.C.C. SIDEWALK PER CITY OF OMAHA STANDARDS. SEE SHEET 21 FOR LISTS OF STANDARD PLATES.
- C.3. CONSTRUCT STAIRS (2 STEPS EACH), REFER TO SHEET 21 FOR LISTS OF STANDARD PLATES.
- C.4. ADJUST EXISTING INLETS TO NEW FINISHED GRADES.
- C.5. CONSTRUCT CAST-IN-PLACE RETAINING WALL, REFER TO SHEETS 23 & 24 FOR DETAILS.
- C.6. CONSTRUCT 6" P.C.C. IMPRINTED (NON-PEDESTRIAN) PAVEMENT AREA, PER CITY OF OMAHA STANDARD PLATE 509-22.
- C.7. DROP CURB FROM 6" TO 0" IN 5'-0".
- C.8. INSTALL REMOVABLE 6" DIA. BOLLARDS, IN PLACE, SEE SHEET 21 FOR DETAIL.
- C.9. INSTALL 36" RAILINGS, IN PLACE. SEE DETAIL ON SHEET 21.
- C.10. INSTALL TYPE IV CURB INLET (RIM ELEV.= 1169.41) AND TIE INTO EXISTING STORM SEWER (I.E.=1164.99 (N&S) (24"CLAY)). REFER TO CITY OF OMAHA STANDARD PLATE 700-21.
- C.11. ADJUST EXISTING MANHOLES TO NEW FINISHED GRADES.
- C.12. CONTRACTOR SHALL COORDINATE WITH MUD TO ADJUST GAS VALVES TO NEW FINISHED GRADES.
- C.13. CONTRACTOR SHALL COORDINATE WITH LOCAL PROVIDER TO ADJUST CATV PEDESTAL TO NEW FINISHED GRADE.
- C.14. CONSTRUCT CURB RAMP WITH 2.0'x4.0' WARNING PANEL.



BASE BID AREA QUANTITIES

DESCRIPTION	QUANTITY	UNIT
CONSTRUCT 6" P.C.C. SIDEWALK	5,710	S.F.
CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	360	S.Y.
CONSTRUCT 6" COMBINATION CURB AND GUTTER	520	L.F.
CONSTRUCT CURB RAMP	144	S.F.
CONSTRUCT DETECTABLE WARNING PANEL	32	S.F.
CONSTRUCT REINFORCED P.C.C. RETAINING WALL	20	C.Y.
ADJUST MANHOLE TO GRADE	4	EA.
ADJUST INLET TO GRADE	2	EA.
CONSTRUCT CURB INLET - TYPE IV	1	EA.
CONSTRUCT BOLLARD	3	EA.
CONSTRUCT RAILING	53	L.F.
INSTALL PERMANENT PAINT MARKING - 4" WHITE	595	L.F.
INSTALL MULCHING	1,745	S.F.



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CONSTRUCTION PLAN - BASE BID AREA

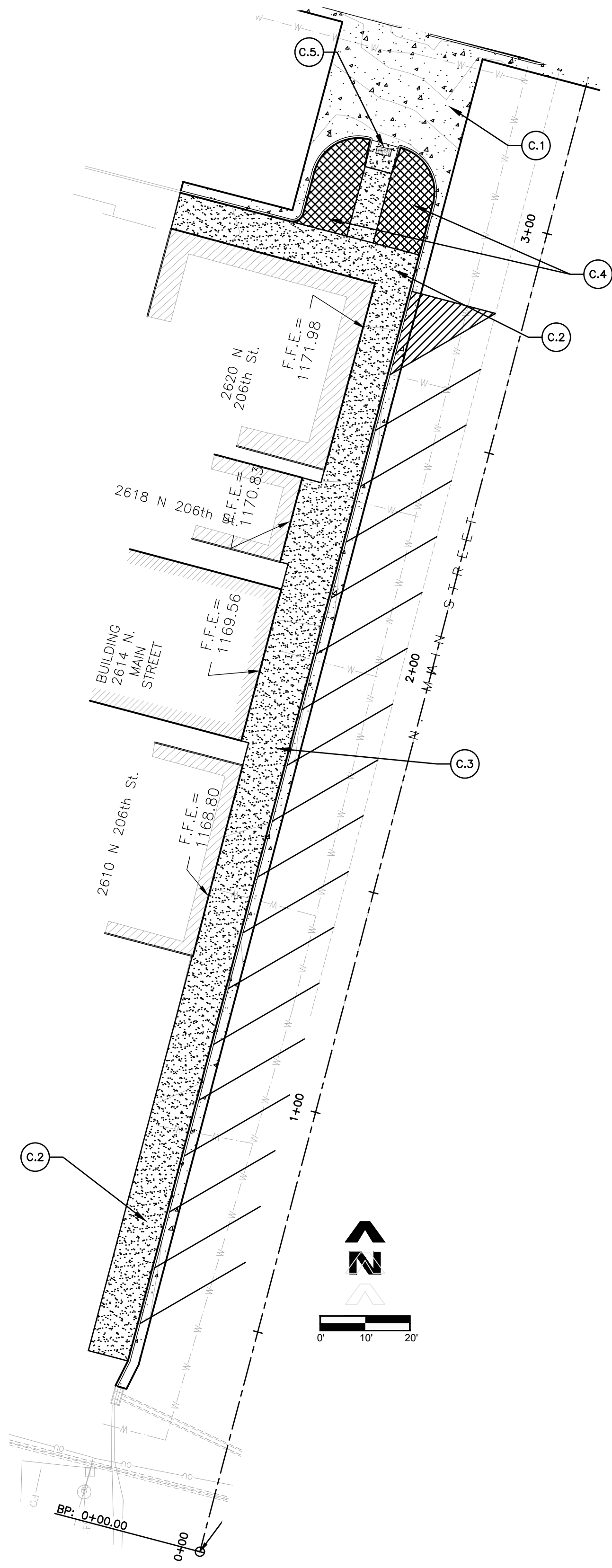
*	ADDENDUM A	08/15/18
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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
17  
24

STATIONING AND OFFSETS FOR ALL CRITICAL POINTS CAN BE FOUND ON SHEET 14.



LEGEND

- PROPOSED 9" P.C.C. PAVEMENT W/ INTEGRAL CURB AND THICKENED EDGE
- PROPOSED 6" P.C.C. SIDEWALK
- PROPOSED 6" IMPRINTED SURFACING (NON-PEDESTRIAN AREA)

PAVING NOTES

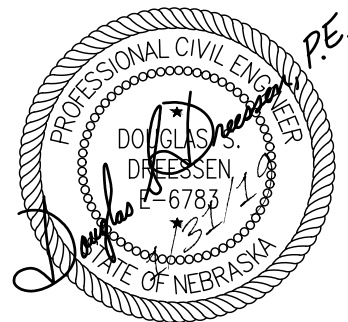
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2. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES, AND WILL REPAIR OR REPLACE DAMAGED IMPROVEMENTS AT HIS OWN EXPENSE.
3. DIMENSIONS SHOWN ARE TO EDGE OF SLAB, BACK OF CURB, OR FACE OF BUILDING AS APPLICABLE. CONTRACTOR SHALL VERIFY THE LAYOUT AND DIMENSIONS OF IMPROVEMENTS WITH THE OWNER AND ARCHITECT BEFORE BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BARRICADES, FLAGMEN, AND TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR TRAFFIC CONTROL.
5. THE CONTRACTOR SHALL ADJUST ALL UTILITIES TO FINISHED PAVEMENT GRADE OR AS REQUIRED IN LANDSCAPED AREAS. (NO PAY ITEM)
6. VERIFY ELEVATIONS AT ALL OUTSIDE DOOR LOCATIONS TO ENSURE CODE COMPLIANCE AND ACCESSIBILITY.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE PROJECT PLANS; IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN. MEASUREMENT & PAYMENT SECTIONS OF CITY SPEC SHALL NOT APPLY UNLESS STATED OTHERWISE IN CONTRACT.

C.1 SITE PLAN KEY NOTES

- C.1. CONSTRUCT 9" P.C.C. PAVEMENT WITH INTEGRAL TYPE "A" CURB AND THICKENED EDGE WHERE NEW AND EXIST PAVEMENT MEET.
- C.2. CONSTRUCT 6" P.C.C. SIDEWALK PER CITY OF OMAHA STANDARDS. SEE SHEET 21 FOR LISTS OF STANDARD PLATES.
- C.3. CONTRACTOR SHALL COORDINATE WITH OPPD TO ADJUST ELECTRICAL PEDESTAL TO NEW FINISHED GRADE.
- C.4. CONSTRUCT 6" P.C.C. IMPRINTED (NON-PEDESTRIAN) PAVEMENT AREA, PER CITY OF OMAHA STANDARD PLATE 500-82.
- C.5. CONSTRUCT CURB RAMP WITH 2.0'x4.0' WARNING PANEL.

ALTERNATE 1 AREA QUANTITIES

DESCRIPTION	QUANTITY	UNIT
CONSTRUCT 6" P.C.C. SIDEWALK	2,825	S.F.
CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	90	S.Y.
CONSTRUCT 6" COMBINATION CURB AND GUTTER	340	L.F.
CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	415	S.F.
CONSTRUCT CURB RAMP	36	S.F.
CONSTRUCT DETECTABLE WARNING PANEL	8	S.F.
INSTALL PERMANENT PAINT MARKING - 4" WHITE	515	L.F.



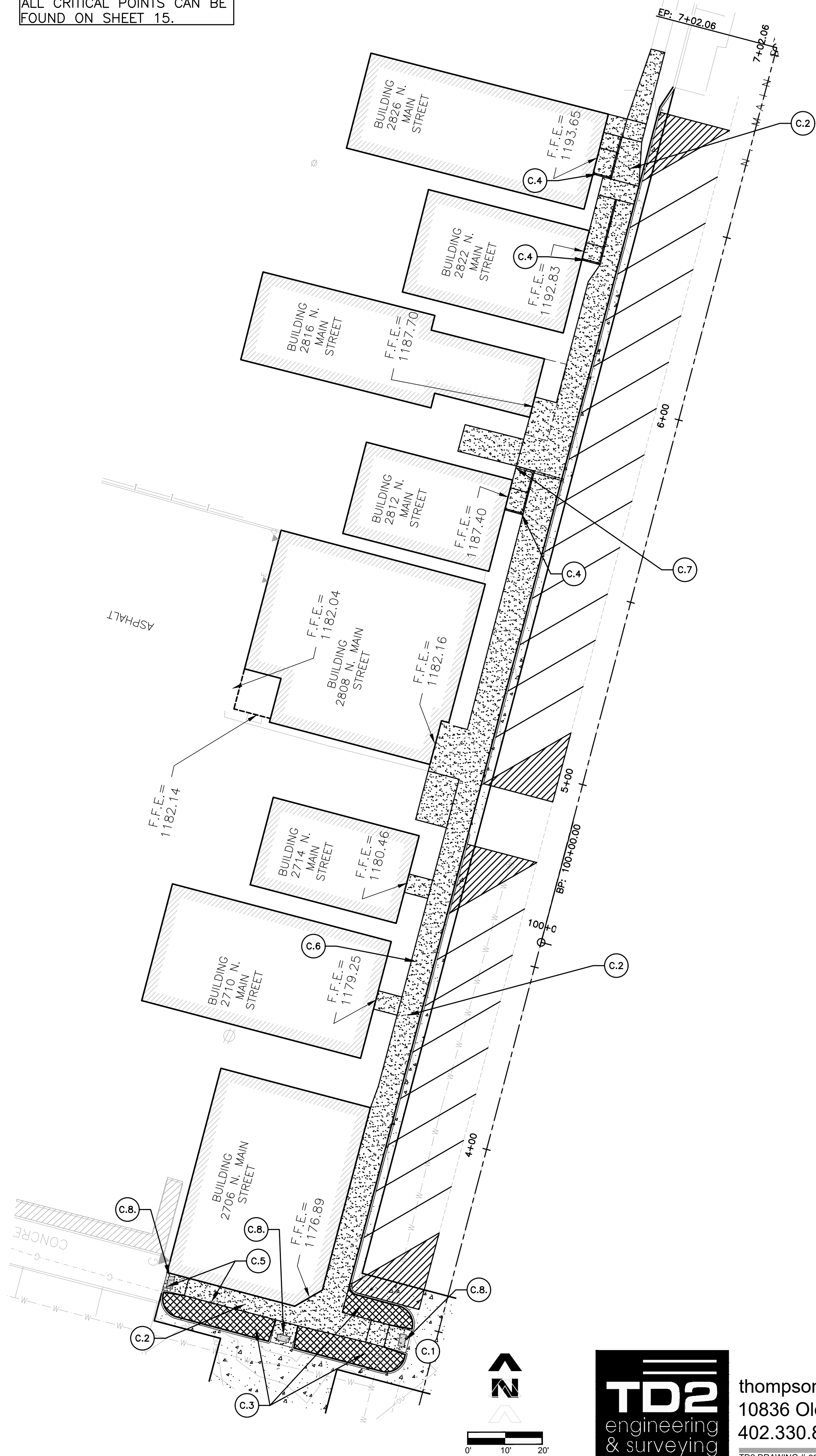
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CONSTRUCTION PLANS - ALTERNATE 1 AREA

*	1	ADDENDUM A	08/15/18		CITY OF OMAHA	OPW 53311	SHEET 18
**					PUBLIC WORKS DEPARTMENT		24
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STATIONING AND OFFSETS FOR ALL CRITICAL POINTS CAN BE FOUND ON SHEET 15.



LEGEND

- PROPOSED 9" P.C.C. PAVEMENT W/ INTEGRAL CURB AND THICKENED EDGE
- PROPOSED 6" P.C.C. SIDEWALK
- PROPOSED 6" IMPRINTED SURFACING (NON-PEDESTRIAN AREA)

PAVING NOTES

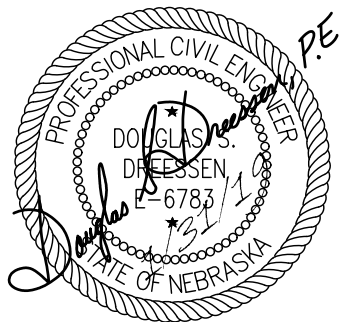
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C.1 SITE PLAN KEY NOTES

- C.1. CONSTRUCT 9" P.C.C. PAVEMENT WITH INTEGRAL TYPE "A" CURB AND THICKENED EDGE WHERE NEW AND EXIST PAVEMENT MEET.
- C.2. CONSTRUCT 6" P.C.C. SIDEWALK PER CITY OF OMAHA STANDARDS. SEE SHEET 21 FOR LISTS OF STANDARD PLATES.
- C.3. CONSTRUCT 6" P.C.C. IMPRINTED (NON-PEDESTRIAN) PAVEMENT AREA, PER CITY OF OMAHA STANDARD PLATE 500-82.
- C.4. INSTALL 36" RAILINGS, IN PLACE. SEE DETAIL ON SHEET 21.
- C.5. CONTRACTOR SHALL COORDINATE WITH MUD TO ADJUST UTILITIES TO NEW FINISHED GRADES.
- C.6. CONTRACTOR SHALL COORDINATE WITH LOCAL PROVIDER TO ADJUST UTILITY TO NEW FINISHED GRADE.
- C.7. CONTRACTOR SHALL INSTALL 6" PVC PIPE UNDER SIDEWALK AND DAYLIGHT AT CURB TO ALLOW FOR POSITIVE DRAINAGE TOWARDS THE STREET.
- C.8. CONSTRUCT CURB RAMP WITH 2.0'x4.0' WARNING PANEL.

ALTERNATE 2 AREA QUANTITIES

DESCRIPTION	QUANTITY	UNIT
CONSTRUCT 6" P.C.C. SIDEWALK	3,250	S.F.
CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	60	S.Y.
CONSTRUCT 6" COMBINATION CURB AND GUTTER	410	L.F.
CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	455	S.F.
CONSTRUCT CURB RAMP	108	S.F.
CONSTRUCT DETECTABLE WARNING PANEL	24	S.F.
INSTALL 6" PVC PIPE	5	L.F.
CONSTRUCT RAILING	55	L.F.
INSTALL PERMANENT PAINT MARKING — 4" WHITE	725	L.F.



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CONSTRUCTION PLAN - ALTERNATE 2 AREA

*	1	ADDENDUM A	08/15/18		CITY OF OMAHA	OPW 53311	SHEET 19
**					PUBLIC WORKS DEPARTMENT		24
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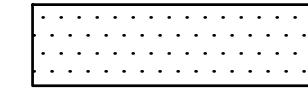


STATIONING AND OFFSETS FOR ALL CRITICAL POINTS CAN BE FOUND ON SHEET 16.

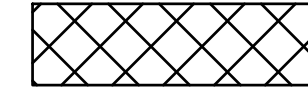
## LEGEND



PROPOSED 9" P.C.C. PAVEMENT  
W/ INTEGRAL CURB AND  
THICKENED EDGE



PROPOSED 6" P.C.C. SIDEWALK



PROPOSED 6" IMPRINTED  
SURFACING (NON-PEDESTRIAN  
AREA)

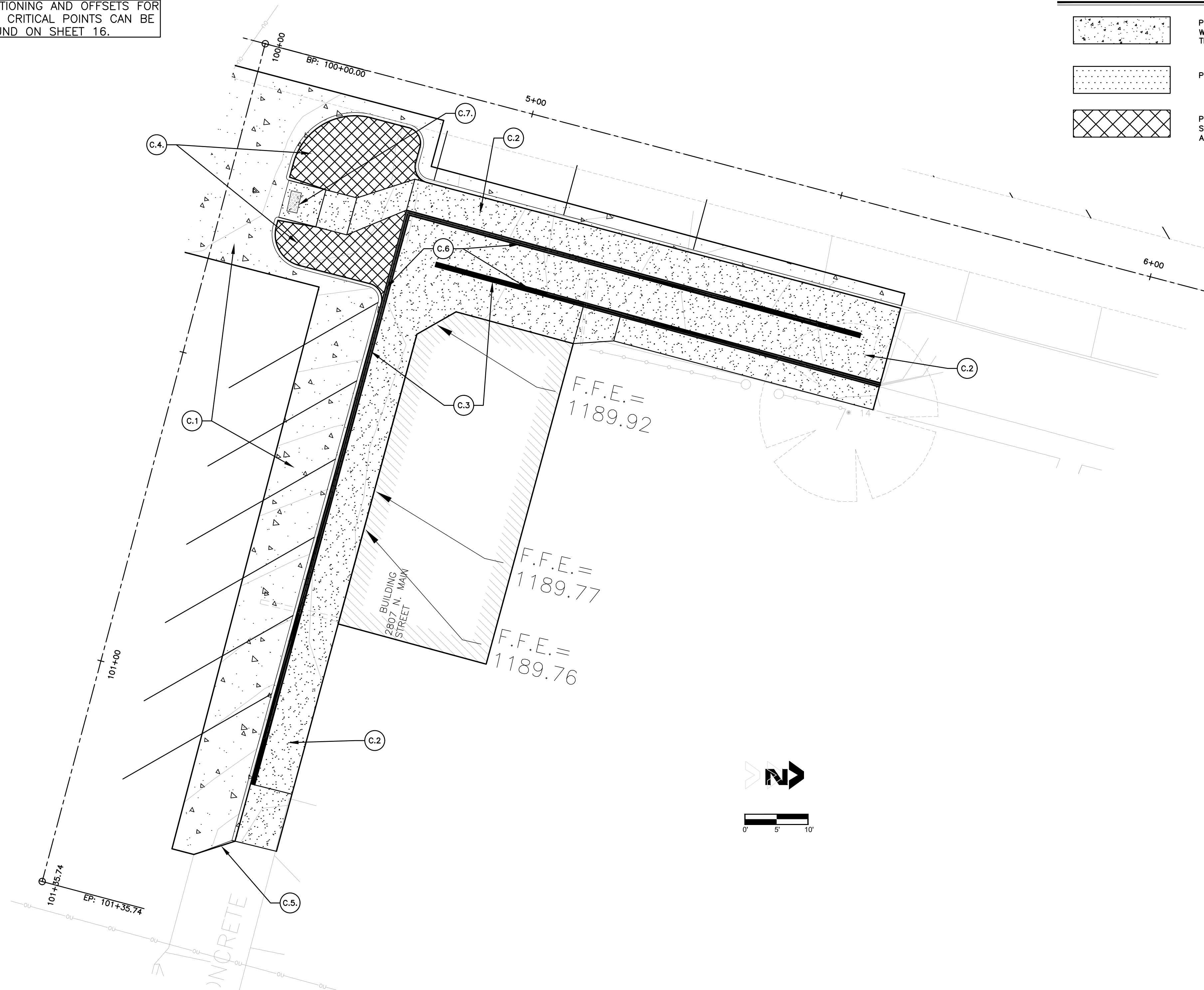
## PAVING NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES, AND STRUCTURES, AND WILL REPAIR OR REPLACE DAMAGED IMPROVEMENTS AT HIS OWN EXPENSE.
3. DIMENSIONS SHOWN ARE TO EDGE OF SLAB, BACK OF CURB, OR FACE OF BUILDING AS APPLICABLE. CONTRACTOR SHALL VERIFY THE LAYOUT AND DIMENSIONS OF IMPROVEMENTS WITH THE OWNER AND ARCHITECT BEFORE BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BARRICADES, FLAGMEN, AND TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR TRAFFIC CONTROL.
5. THE CONTRACTOR SHALL ADJUST ALL UTILITIES TO FINISHED PAVEMENT GRADE OR AS REQUIRED IN LANDSCAPED AREAS. (NO PAY ITEM)
6. VERIFY ELEVATIONS AT ALL OUTSIDE DOOR LOCATIONS TO ENSURE CODE COMPLIANCE AND ACCESSIBILITY.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE PROJECT PLANS, IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN. MEASUREMENT & PAYMENT SECTIONS OF CITY SPEC SHALL NOT APPLY UNLESS STATED OTHERWISE IN CONTRACT.

(C.1)

## SITE PLAN KEY NOTES

- C.1. CONSTRUCT 9" P.C.C. PAVEMENT WITH INTEGRAL TYPE "A" CURB AND THICKENED EDGE WHERE NEW AND EXIST PAVEMENT MEET.
- C.2. CONSTRUCT 6" P.C.C. SIDEWALK PER CITY OF OMAHA STANDARDS. SEE SHEET 21 FOR LISTS OF STANDARD PLATES.
- C.3. CONSTRUCT GAST-IN-PLACE RETAINING WALL, REFER TO SHEETS 23 & 24 FOR DETAILS.
- C.4. CONSTRUCT 6" P.C.C. IMPRINTED (NON-PEDESTRIAN) PAVEMENT AREA, PER CITY OF OMAHA STANDARD PLATE 500-82.
- C.5. DROP CURB FROM 6" TO 0" IN 5'-0".
- C.6. INSTALL 36" RAILINGS, IN PLACE. SEE DETAIL ON SHEET 21.
- C.7. CONSTRUCT CURB RAMP WITH 2.0'x4.0' WARNING PANEL.



## ALTERNATE 3 AREA QUANTITIES

DESCRIPTION	QUANTITY	UNIT
CONSTRUCT 6" P.C.C. SIDEWALK	1,920	S.F.
CONSTRUCT 9" CONCRETE PAVEMENT (TYPE L65)	120	S.Y.
CONSTRUCT 6" COMBINATION CURB AND GUTTER	465	L.F.
CONSTRUCT 6" IMPRINTED P.C.C. SURFACING	340	S.F.
CONSTRUCT CURB RAMP	36	S.F.
CONSTRUCT DETECTABLE WARNING PANEL	8	S.F.
CONSTRUCT REINFORCED P.C.C. RETAINING WALL	95	C.Y.
CONSTRUCT RAILING	240	L.F.
INSTALL PERMANENT PAINT MARKING - 4" WHITE	185	L.F.



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## CONSTRUCTION PLAN - ALTERNATE 3 AREA

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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

OPW 53311

SHEET  
20  
24

PAVING AND SURFACING

GENERAL

- A. SCOPE. FURNISH ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- SCARIFY, RECOMPACT, SHAPE AND FINE GRADE SUBGRADE TO THE REQUIRED LINES AND ELEVATIONS.
  - PLACE CURB AND GUTTER, SIDEWALKS, AND PAVEMENTS TO THE REQUIRED LINES AND ELEVATIONS.
  - ADJUST ALL UTILITY STRUCTURES AND/OR COVERS TO GRADE.
  - PROVIDE AND INSTALL JOINT REINFORCEMENT FOR PAVING PER CITY OF OMAHA STANDARD PLATES AND PROJECT PLANS.
  - APPLY PAINT STRIPING. CONTRACTOR WILL INSTALL PERMANENT PAINT MARKING – 4" WHITE (1,220 L.F.).
- B. REFERENCE STANDARDS
- IN ADDITION TO COMPLYING WITH ALL PERTINENT CODES AND REGULATIONS, COMPLY WITH THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION).
  - CITY OF OMAHA STANDARD PLATES (3rd EDITION).
- C. RELATED WORK
- EARTHWORK
  - STORM SEWER

MATERIALS

- A. ALL PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK MATERIALS AND PLACEMENT SHALL CONFORM TO THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION). THE MEASUREMENT AND PAYMENT PROVISIONS IN SECTION 501.05 ARE NOT APPLICABLE. THE MIX SHALL COMPLY WITH THE FOLLOWING:
- BASE COURSE FOR ALL NEW PAVEMENT INSTALLATIONS SHALL BE "BASE COURSE" CONFORMING TO TABLE 401.01 OF THE ABOVE REFERENCED SPECIFICATIONS.
  - SURFACE COURSE FOR ALL NEW PAVEMENT INSTALLATIONS SHALL BE "CMR" CONFORMING TO TABLE 401.01 OF THE ABOVE REFERENCED SPECIFICATIONS.
  - CONCRETE PAVEMENTS & SIDEWALKS SHALL BE "L65AE (AIR ENTRAINED)" PER THE ABOVE REFERENCED SPECIFICATIONS.
  - MATERIALS REQUIRED FOR THE PERFORMANCE OF THE WORK NOT SPECIFICALLY ADDRESSED IN THIS SPECIFICATION SHALL BE IN ACCORDANCE WITH THE ABOVE REFERENCED SPECIFICATION.
- B. MARKING PAINT SHALL FOLLOW CITY OF OMAHA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION) TABLE 906.01.
- C. ALL DOWEL BARS & TIES BARS SHALL BE EPOXY COATED. TIE BARS WILL BE SUBSIDIARY TO CONSTRUCTION OF 9" CONCRETE PAVEMENT (TYPE L65).

EXECUTION

- A. DIMENSIONS ARE TO BACK OF CURB, EDGE OF SLAB OR TO FACE OF BUILDING AS APPLICABLE UNLESS NOTED OTHERWISE.
- B. PAVEMENT ELEVATIONS ARE SHOWN TO TOP OF CURB AND/OR TOP OF SLAB. ELEVATIONS REPRESENT POINTS OF GRADE CHANGE. THE CONTRACTOR SHALL ADJUST VERTICAL FORM OR GRADE LINES TO PROVIDE A SMOOTH TRANSITION AT GRADE CHANGES.
- C. WATER REDUCING ADMIXTURES SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
- D. CONCRETE PAVEMENT SHALL BE CURED USING A WHITE PIGMENT LIQUID MEMBRANE FORMING CURING COMPOUND THAT HAS BEEN APPROVED BY CITY OF OMAHA. MINIMUM RATE OF APPLICATION SHALL BE 200 SQ. FEET PER GALLON IF MECHANICAL-POWER SPRAYER IS USED OR 100 SQ. FEET PER GALLON IF HAND POWERED SPRAYER IS USED.
- E. PLACE PAVEMENTS IN ACCORDANCE WITH THE REFERENCED STANDARD SPECIFICATIONS.
- F. ALL PAVEMENT JOINTS SHALL BE SEALED PER CITY OF OMAHA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST REVISION).
- G. ADJUST ALL UTILITY STRUCTURES TO GRADE AS REQUIRED.
- H. FINISH TOLERANCES: THE CONTRACTOR SHALL CREATE SURFACES (SIDEWALKS, LANDINGS, & TURNING AREAS) WITH A MAX CROSS SLOPE OF 2% AND A MAX RUNNING SLOPE OF 5% UNLESS OTHERWISE INDICATED ON PLANS. ANY WORK FOUND TO BE NON-COMPLIANT WITH LOCAL AND FEDERAL ADA REGULATIONS (ALONG ADA ROUTES) SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- I. THE LOCATIONS OF EXISTING UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PAVED STREETS AND EXISTING UTILITIES CAUSED BY CONSTRUCTION, AND SHALL REPAIR SAME AT HIS OWN EXPENSE.
- K. THE CONTRACTOR SHALL FIELD VERIFY ALL TIE-INS TO EXISTING FEATURES TO CONFIRM THAT THE INTENDED ELEVATIONS AND SLOPES CAN BE ACHIEVED PRIOR TO STARTING CONSTRUCTION. NOTIFY ARCHITECT AND/OR ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND/OR CONFLICTS.
- L. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS THAT MAY BE WORKING IN OR ADJACENT TO THE PROJECT AREA. ALL COSTS ASSOCIATED WITH COORDINATION EFFORTS SHALL BE INCIDENTAL TO THE PROJECT.

INSPECTION AND TESTING

- A. RESPONSIBILITY FOR PROJECT TESTING AND INSPECTION COSTS SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND THESE SPECIFICATION, IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- B. THE OWNER WILL PAY FOR INITIAL TESTS & INSPECTIONS. ANY AREA FOUND NOT MEETING SPECIFICATIONS WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. ALL RE-TESTING AND/OR INSPECTIONS REQUIRED AS A RESULT OF FAILED TESTS AND/OR IMPROPER CONSTRUCTION SHALL BE THE PAID FOR BY THE CONTRACTOR.
- C. ALL WORK WILL BE TESTED IN ACCORDANCE WITH CITY OF OMAHA REQUIREMENTS FOR PUBLIC WORKS CONSTRUCTION, UNLESS OTHERWISE DETERMINED BY THE ENGINEER/OWNER.
- D. TESTING FREQUENCY WILL BE DETERMINED BY THE ENGINEER/OWNER.

SUBGRADE PREPARATION

- A. REFER TO CITY OF OMAHA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION) FOR ALL SUBGRADE PREPARATION.

OPENING TO TRAFFIC

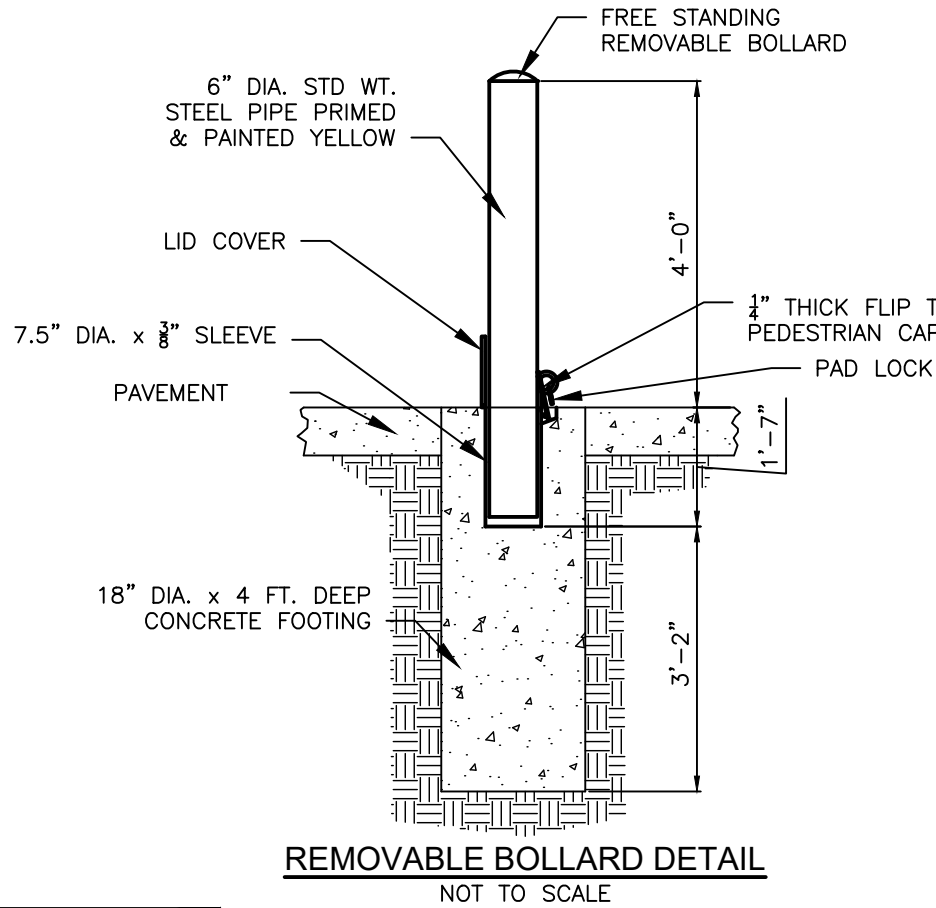
- A. THE ENTIRE PAVEMENT SHALL BE CLEANED OF ALL DEBRIS AND CONSTRUCTION MATERIALS.

OTHER MATERIAL

- A. ALL OTHER MATERIAL NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR PROPER COMPLETION OF THE WORK SHALL BE AS SELECTED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE ENGINEER.

CONTRACTOR SHALL REFER TO THE FOLLOWING CITY OF OMAHA STANDARD PLATES:

ITEMS	STANDARD PLATE NO.
SIDEWALK CONSTRUCTION	500-02
CONCRETE PAVEMENT JOINTS	500-50
CONCRETE CURBS	500-52
CONCRETE CURB RAMPS	500-82
WALL STEP	600-04
SEWER BEDDING	700-01
PAVEMENT REPAIR	1000-03



EARTHWORK

GENERAL

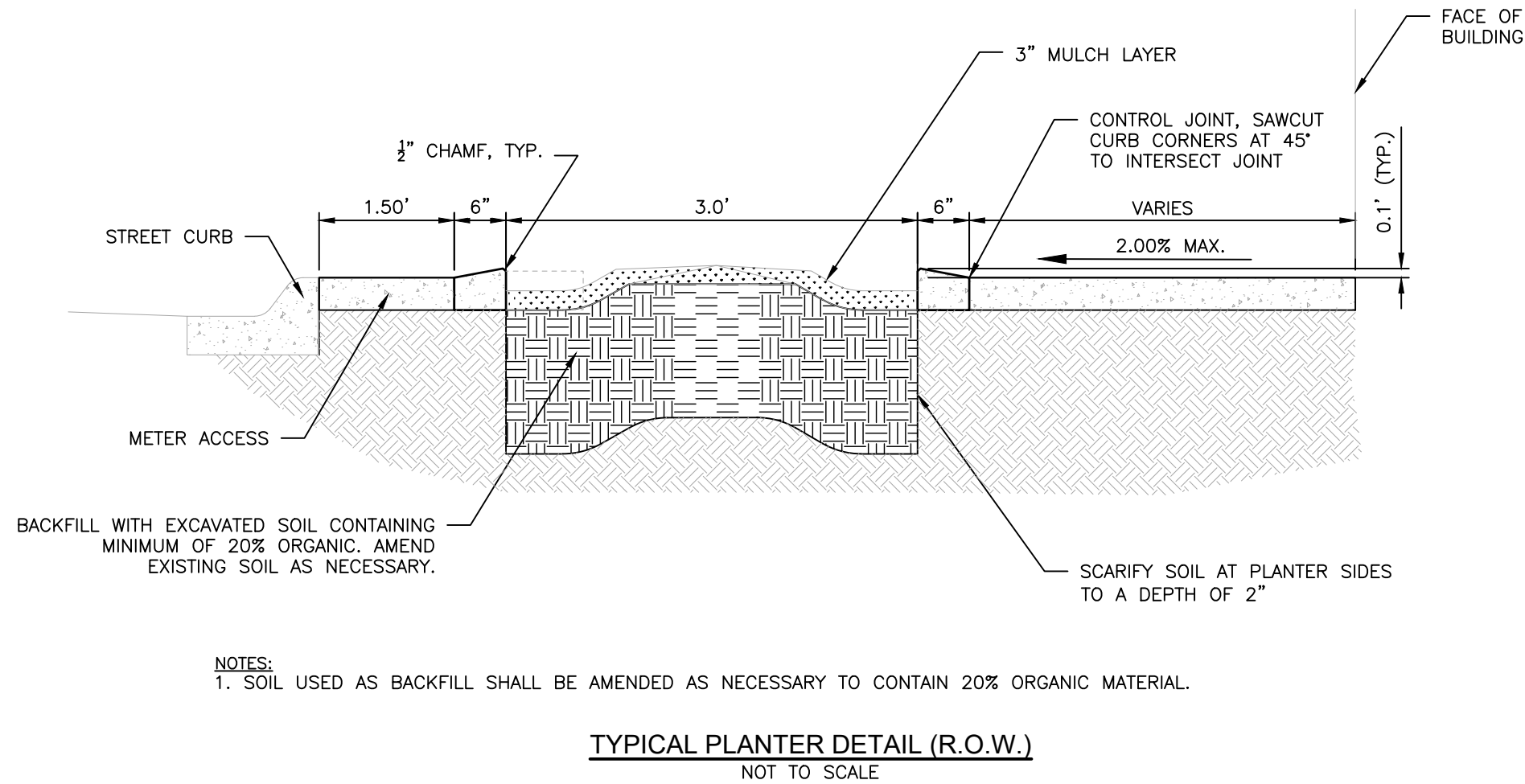
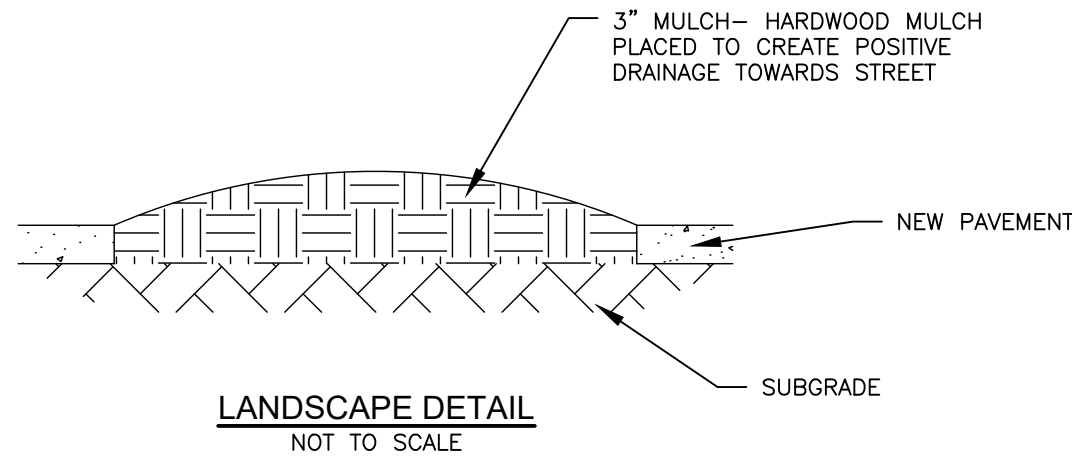
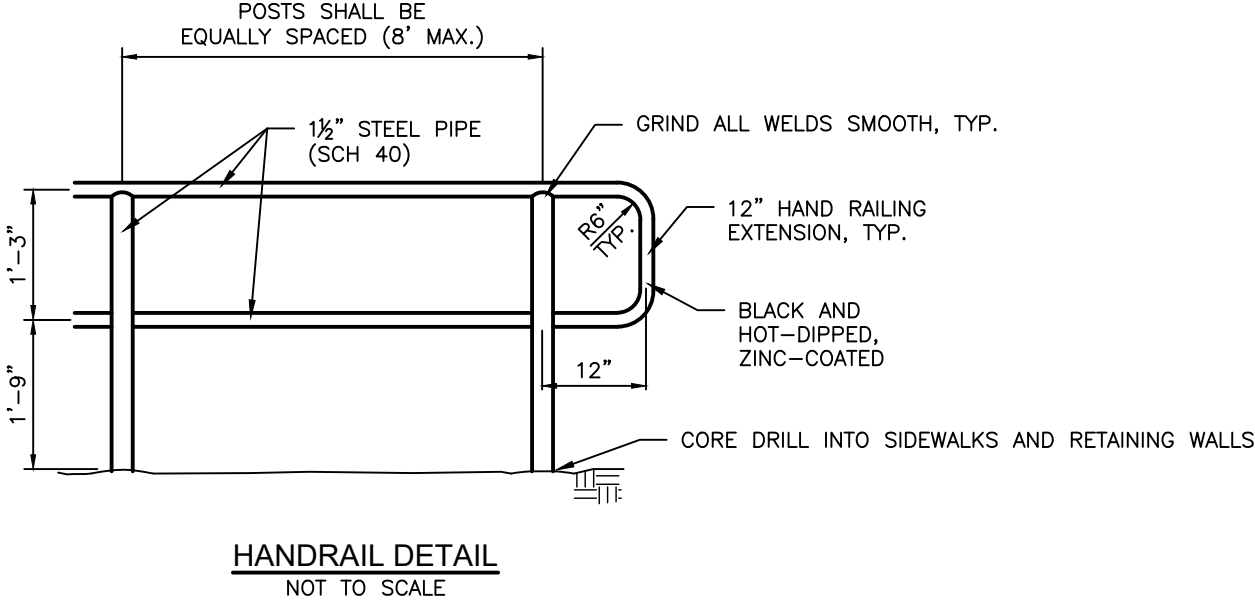
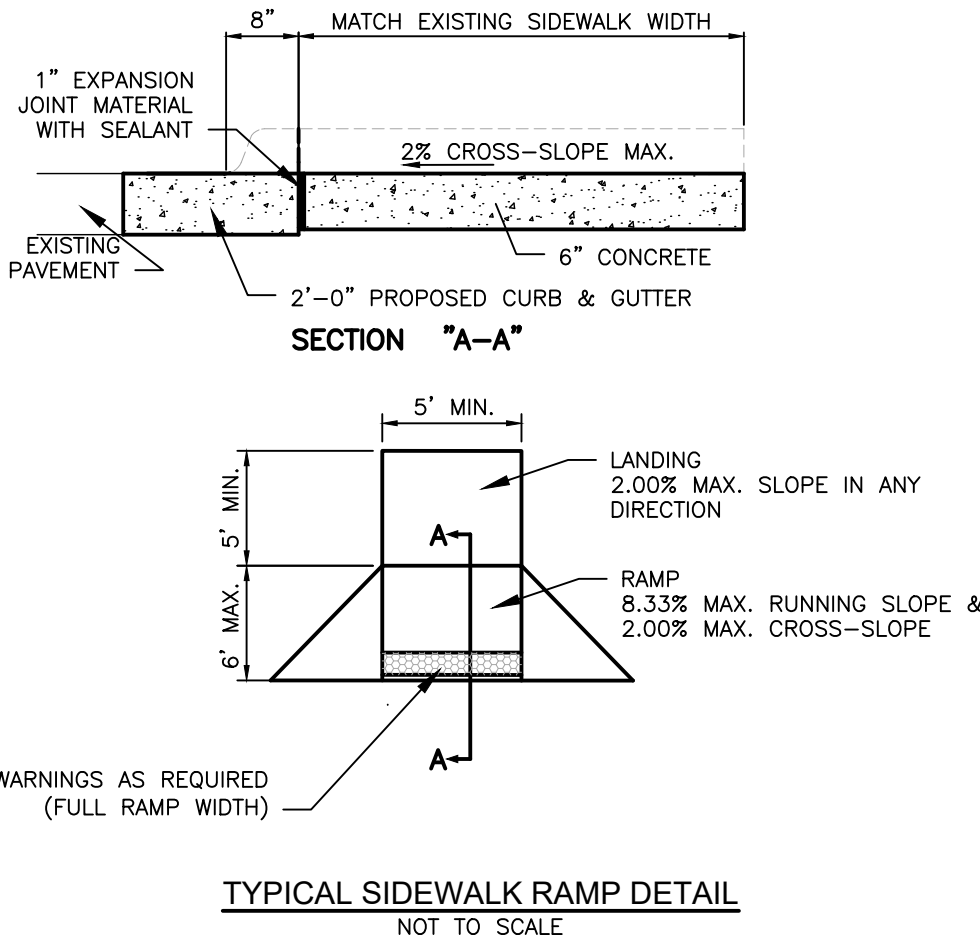
- A. SCOPE. FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- IN AREAS TO ACCEPT FILL, THE TOP GROUND SURFACE (AFTER TOPSOIL REMOVAL) SHALL BE SCARIFIED AND RECOMPACTED TO VERIFY THAT THERE ARE NO SOFT OF YIELDING AREAS PRIOR TO PLACEMENT OF THE FILL.
  - THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING ANY FILL.
  - PLACE CONTROLLED FILLS, UTILIZING ON-SITE EXCAVATION OR OFF-SITE BORROW AS REQUIRED, IN THE SPECIFIED LOCATIONS AND TO THE REQUIRED LINES AND ELEVATIONS. ADJUST MOISTURE CONTENT AS NECESSARY TO MEET COMPACTION AND MOISTURE REQUIREMENTS.
  - THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE GRADING AND NPDES PERMITS OBTAINED FOR THE PROJECT.
  - IN GENERAL, THE MAJORITY OF ON-SITE LOW PLASTIC SOILS ARE EXPECTED TO BE SUITABLE FOR REUSE AS STRUCTURAL FILL OR BACKFILL FOLLOWING MOISTURE CONDITIONING AND PROCESSING. IMPORTED FILL MATERIAL MAY BE REQUIRED FOR USE AS BACKFILL OR AS BLENDING MATERIAL OR REPLACEMENT MATERIAL. MOST ON-SITE SOILS ARE EXPECTED TO REQUIRE BLENDING OR MIXING TO OBTAIN MOISTURE CONTENTS AT OPTIMUM OR ABOVE. PROCESSING SHALL INCLUDE REDUCING MAXIMUM PARTICLE SIZE TO LESS THAN 1 1/2 INCHES AND REMOVAL OF ANY DELETERIOUS DEBRIS OR DEBRIS CHUNKS LARGER THAN 3 INCHES. FILL OR SOILS CONTAINING MORE THAN 20% OR MORE OF DEBRIS PARTICLES SHALL BE SCREENED TO REMOVE THE DEBRIS OR NOT USED AS STRUCTURAL FILL. REMOVE UNSUITABLE MATERIAL FROM THE SITE.
  - BACKFILL PAVEMENT, SPREAD TOPSOIL, FINE GRADE, AND SOD AREAS (WHERE CALLED OUT ON PLAN).
- B. STAKING. CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CITY OF OMAHA.

EXECUTION

- A. GENERAL: PRIOR TO UNDERTAKING THE WORK THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE SITE, WITH SITE CONDITIONS, AND THE SEQUENCE OF WORK THAT WILL BE NECESSARY.
- B. PLACEMENT OF CONTROLLED FILLS. ALL EXPOSED CUT SURFACES BENEATH PROPOSED PAVEMENT AREAS SHALL BE PROOF-ROLLED PRIOR TO PLACEMENT OF FILL MATERIAL. FILL SHALL BE IN ACCORDANCE WITH THE MOISTURE AND DENSITY REQUIREMENTS SET FORTH ELSEWHERE IN THESE SPECIFICATIONS.
- C. FILL MATERIAL IS SUITABLE ON-SITE COHESIVE SOIL THAT IS NON-SWELLING AND HAS A LIQUID LIMIT NO GREATER THAN 43, A PLASTICITY INDEX NO GREATER THAN 23, BE FREE OF ORGANICS, DEBRIS AND PARTICLES LARGER THAN 1 1/2" AND OTHER DELETERIOUS MATERIALS. A COHESIVE FILL SHALL BE USED.
- SELECTED FILL MATERIAL SHALL BE PLACED IN THIN, HORIZONTAL LAYERS WHICH SHALL NOT EXCEED EIGHT INCHES (8") IN LOOSE THICKNESS. LAYER THICKNESS SHALL BE REDUCED AS NEEDED TO ACCOMMODATE THE CONTRACTOR'S COMPACTION EQUIPMENT. EACH LAYER SHALL BE SPREAD EVENLY AND SHALL BE THOROUGHLY BLADE-MIXED DURING THE SPREADING TO ENSURE UNIFORMITY OF MATERIAL IN EACH LAYER.
  - ADJUST MOISTURE CONTENT THROUGHOUT THE SOIL.
  - AFTER EACH LAYER HAS BEEN PLACED, MIXED AND SPREAD EVENLY, IT SHALL BE THOROUGHLY COMPACTED TO MEET REQUIREMENTS SPECIFIED.
  - THE CONTROLLED FILL OPERATION SHALL CONTINUE IN LIFTS UNTIL THE FILL HAS BEEN BROUGHT TO GRADE.
  - NO FILL MATERIAL SHALL BE PLACED, SPREAD OR ROLLED WHILE IT IS FROZEN OR THAWING.
  - COMPACTION OF ALL FILL PLACED IS NECESSARY TO MINIMIZE POST-CONSTRUCTION COMPRESSION (SETTLEMENTS) OF THE FILL.
- E. ALL FILL PLACED ON THE SITE SHALL COMPLY WITH CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION).
- F. BACKFILL FOR SHALLOW UTILITIES (OUTSIDE OF PAVEMENT AREAS ONLY) SHALL BE COMPACTED TO AN IN-PLACE DRY UNIT WEIGHT OF AT LEAST 85% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557, MODIFIED PROCTOR. MOISTURE CONTENT FOR ALL BACKFILL SHALL BE NOT MORE THAN -2% BELOW AND 0% ABOVE THE OPTIMUM WATER CONTENT. BACKFILL FOR ALL OTHER UTILITIES SHALL BE COMPACTED TO THE REQUIREMENTS FOR STRUCTURAL FILL.
- G. COMPACTED STRUCTURAL FILL SUBGRADE SHALL BE PREPARED BENEATH ALL BUILDING FLOOR SLABS AND SITE PAVING (REFER TO CITY OF OMAHA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (3rd EDITION)) FOR DEPTH OF SUBGRADE). OVER-EXCAVATION SHALL BE PERFORMED AS NEEDED TO PROPERLY PREPARE THE COMPACTED SUBGRADE IN CUT AREAS BENEATH PAVEMENTS AND BUILDING FLOOR SLABS.
- H. WATER AND MOISTURE CONTROL:
- UNFAVORABLE WEATHER:
    - DO NOT PLACE, SPREAD, OR COMPACT ANY FILL DURING UNFAVORABLE WEATHER CONDITIONS.
    - REMOVE AND REPLACE OR OTHERWISE CORRECT ALL WORK WHICH IS DAMAGED AS A RESULT OF WEATHER OR WATER RELATED FACTORS OR DOES NOT MEET THE SPECIFICATIONS AT NO EXPENSE TO THE OWNER.
  - SITE MANAGEMENT:
    - PROVIDE SUITABLE BERMS AND CHANNELS TO CONTROL OR DIRECT WATER TO SEDIMENT CONTROL DEVICES AND AS MAY BE NECESSARY TO PREVENT EROSION, FLOODING, OR OTHER DAMAGE TO THE SITE, ADJACENT PROPERTY, AND THE WORK.
    - SOIL MOISTURE CONTENT: WHEN THE MOISTURE CONTENT OF SOIL PROPOSED FOR USE AS COMPACTED FILL MATERIAL IS MORE THAN THE LIMIT SPECIFIED, IT SHALL NOT BE USED UNLESS AND UNTIL THE MOISTURE CONTENT HAS BEEN REDUCED TO THE ACCEPTABLE AMOUNT. WHEN THE MOISTURE CONTENT IS BELOW THE LIMIT SPECIFIED, APPROPRIATE AMOUNTS OF WATER SHALL BE ADDED AND BLENDED UNIFORMLY THROUGHOUT THE MATERIAL. SOILS HAVING MOISTURE CONTENTS ABOVE OR BELOW THE SPECIFIED LIMITS SHALL NOT BE INCORPORATED INTO THE WORK. BASED ON SOIL BORINGS TAKEN AT THE SITE, THE MAJORITY OF EXISTING MATERIAL IS ANTICIPATED TO BE ABOVE OPTIMUM MOISTURE AND WILL LIKELY REQUIRE MOISTURE CONDITIONING PRIOR TO PLACEMENT AND COMPACTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR EFFORTS RELATED TO MOISTURE CONDITIONING.
    - DEWATERING: CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL DEWATERING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
    - UNSTABLE TRENCH BOTTOMS: UNSTABLE TRENCH BOTTOMS ARE LIKELY DUE TO SHALLOW GROUND WATER CONDITIONS. THEREFORE, THE CONTRACTOR SHALL OVER-EXCAVATE AND CONSTRUCT STABILIZED TRENCH BOTTOMS AS CONDITIONS REQUIRE IN ACCORDANCE WITH CITY OF OMAHA STANDARD PLATE #700-01. ALL COSTS ASSOCIATED WITH CONSTRUCTING STABILIZED TRENCH BOTTOMS SHALL BE INCIDENTAL TO THE UTILITY CONSTRUCTION.
  - CLEANUP:
    - CLEAN AND REPAIR SILT FENCES, INLET FILTERS AND ALL OTHER BMPs INSTALLED DURING CONSTRUCTION.
    - LEAVE ENTIRE JOB SITE CLEAN AND SMOOTH WITH NO AREAS THAT WILL POND WATER.

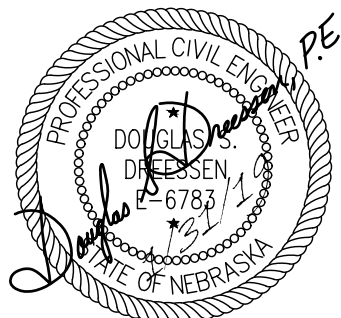
NOTE:

- SEE CITY OF OMAHA STANDARD PLATE 500-82 FOR WHEELCHAIR RAMP CONSTRUCTION REQUIREMENTS.
- DETECTABLE WARNING TEXTURING SHALL BE COLORED PRE-MANUFACTURED INSERTS WITH REPLACEABLE TACTILE SYSTEM. VERIFY COLOR REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- THE SURFACE OF ALL RAMPS SHALL RECEIVE A BROOM FINISH.



NOTES:

- SOIL USED AS BACKFILL SHALL BE AMENDED AS NECESSARY TO CONTAIN 20% ORGANIC MATERIAL.



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DETAILS & SPECIFICATIONS

*					CITY OF OMAHA	OPW 53311	SHEET 21 / 24
**					PUBLIC WORKS DEPARTMENT		
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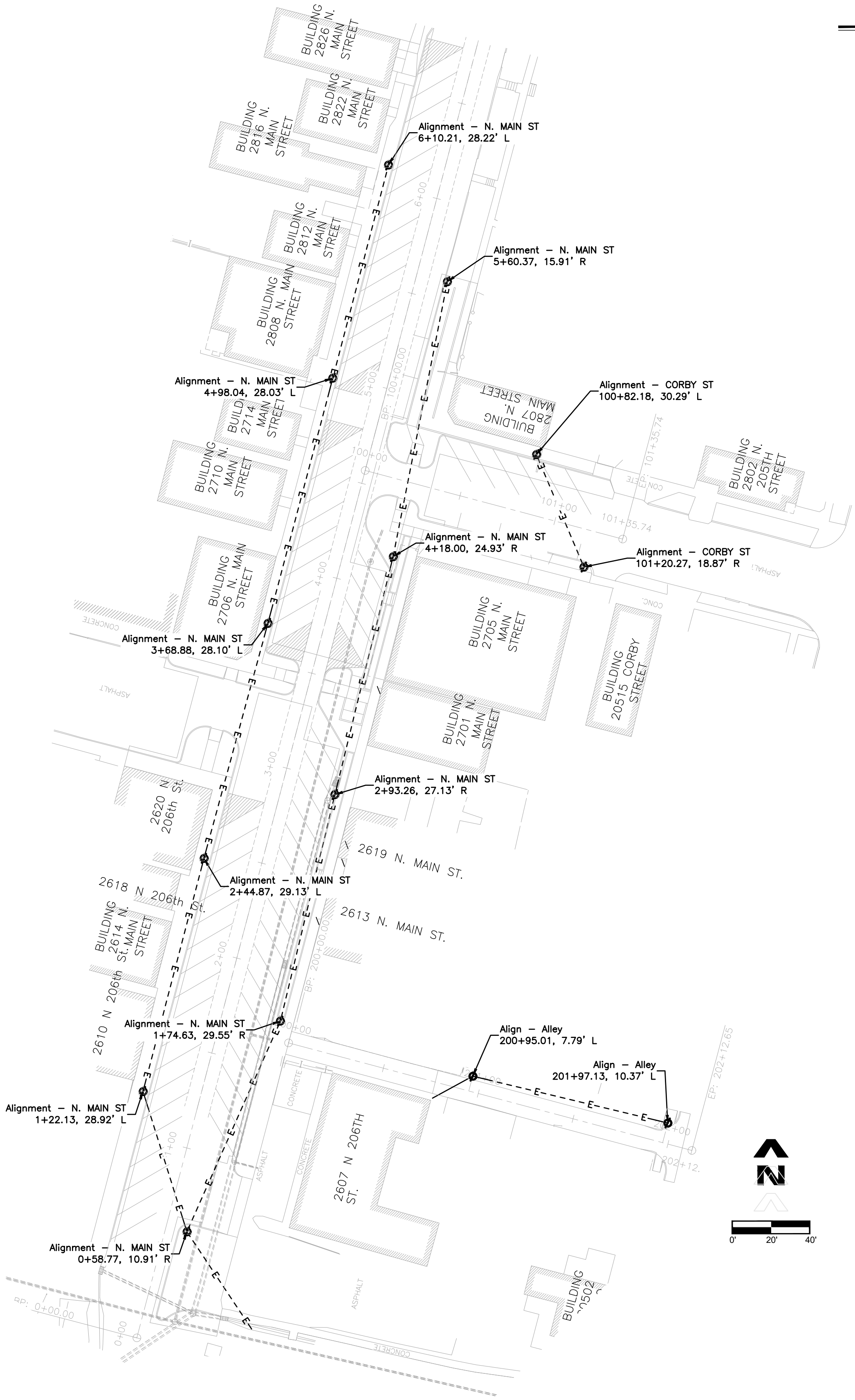
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*	Δ	ADDENDUM A	08/15/18	
**				
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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

LIGHTING PLAN  
OPW 53311

SHEET  
22  
24



LEGEND

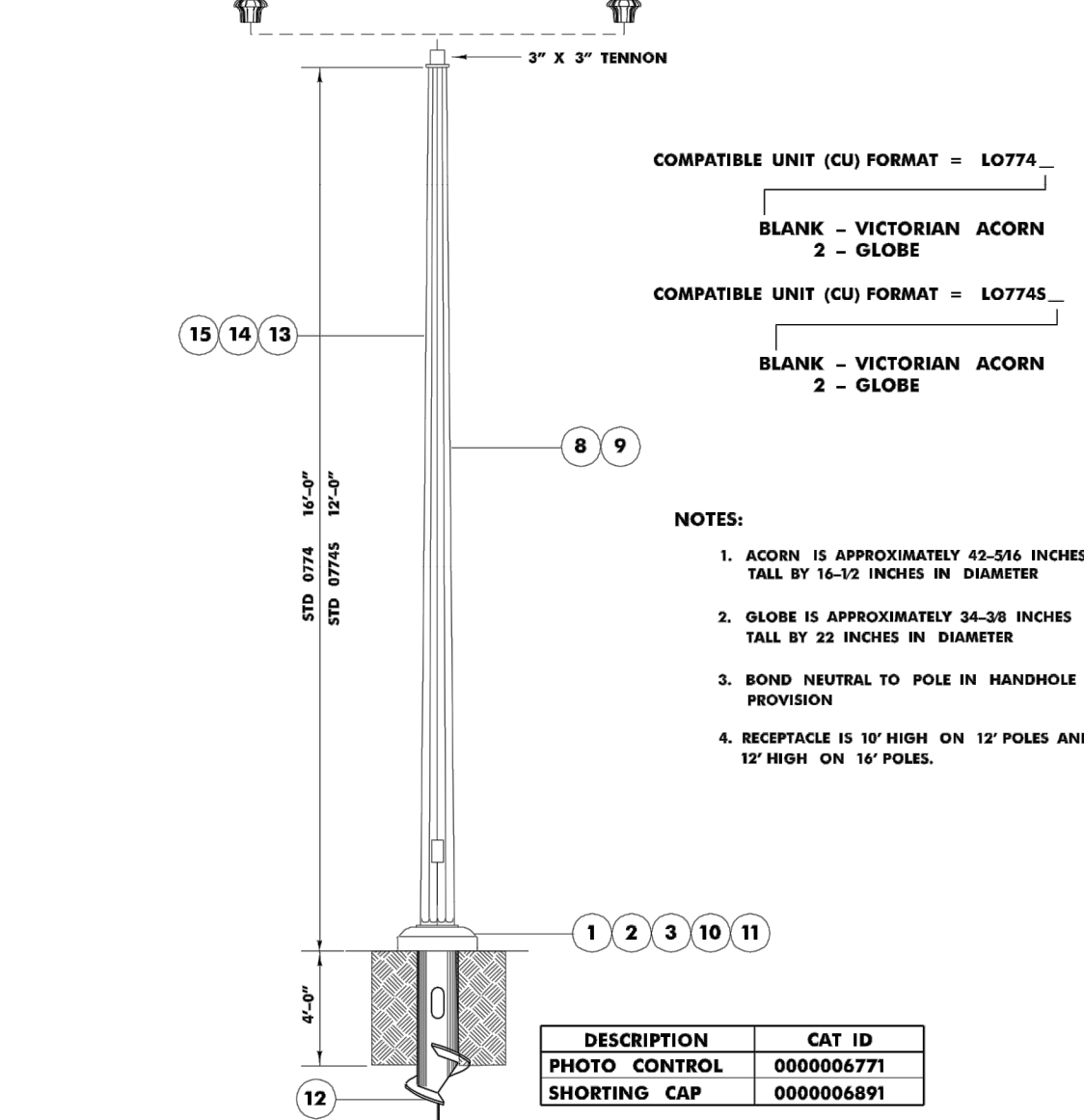
Ø PROPOSED ACORN LIGHT POLES

- NOTES:
1. 14 PROPOSED ACORN LIGHT POLES TO MATCH SPECIFICATIONS SHOWN ON THIS SHEET.
  2. COORDINATE ALL LIGHT POLE INSTALLATION WORK WITH OPPD.
  3. OPPD WILL BE IN CHARGE OF ALL LABOR, CONDUIT, AND ADDITIONAL MATERIALS NECESSARY FOR INSTALLING PROPOSED LIGHTING.
  4. LIGHTING INSTALLATION WILL BE BID SEPARATELY FROM THE REST OF THIS PROJECT AND HANDLED BETWEEN OPPD AND THE CITY OF OMAHA.

ALL LIGHTING INSTALLATION &  
DEMOLITION TO BE HANDLED BY OPPD.

DECORATIVE STREET LIGHT POLE  
WITH ACORN OR GLOBE FIXTURE

STD 0774  
GROUP  
STD 0774S  
GROUP



- NOTES:
1. ACORN IS APPROXIMATELY 42-516 INCHES TALL BY 16-12 INCHES IN DIAMETER
  2. GLOBE IS APPROXIMATELY 34-38 INCHES TALL BY 22 INCHES IN DIAMETER
  3. BOND NEUTRAL TO POLE IN HANDHOLE PROVISION
  4. RECEPTACLE IS 10' HIGH ON 12' POLES AND 12' HIGH ON 10' POLES.

NOTE E REF. STD 750  
■ TO BE SPECIFIED BY ENGINEER

BILL OF MATERIAL		LO774	LO774S	LO774S	LO774S
ITEM	DESCRIPTION	CATALOG ID	REQ'D	REQ'D	REQ'D
1	#12 19-STR. CU, BLACK	0000000273	29 FT	29 FT	23 FT
2	#12 19-STR. CU, WHITE	0000000273	29 FT	29 FT	23 FT
3	SERVIT POST	0000000454	1	1	1
4	PHOTO CONTROL	■	1	1	1
5	LAMP, 70W, HPS	0000006837	1	1	1
6	DECORATIVE FIXTURE, ACORN, 70W HPS, BLACK	0000113754	1	1	1
7	DECORATIVE FIXTURE, GLOBE, 70W HPS, BLACK	0000114768	1	1	1
8	DECORATIVE STREET LIGHT POLE, 16 FT, FLUTED, BLACK	0000122791	1	1	1
9	DECORATIVE STREET LIGHT POLE, 12 FT, FLUTED, BLACK	0000127827	1	1	1
10	STREET LIGHT FUSING	■ LO755	1	1	1
11	CONNECTOR	NOTE E	2	2	2
12	FOUNDATION, SCREW STREET LIGHT	000014	1	1	1
13	RECEPTACLE 20 AMPS	0000122320	1	1	1
14	WEATHER PROOF COVER	0000144022	1	1	1
15	#12 19-STR. CU, GREEN	0000000231	29	29	23

Revised 11-30-17 By AMJ  
DESIGN ENTRY BY: ADOLFO MARTINEZ JR.

ISSUED DATE 12-29-17



CAST-IN-PLACE CONCRETE WORK

1. MATERIALS:

Concrete:

Location:	28-Day Strength	Slump (*)	Max. Aggregate	Air Entrainment	Design Density
Footings and Walls	3500 PSI	4"-6"	1"	5%-7%	NORMAL WEIGHT

(\*) Slump may be increased as needed to make installation easier provided the increased slump is due to the use of proper admixture selection and the W/C ratio does not exceed the maximum per the specifications. All submitted concrete mixes shall indicate the use of such admixtures. Water may not be added in the field.

Other Materials:

Reinforcing Bars: ASTM A615 Grade 60, deformed.

2. CONTINUITY:

All reinforcing shall be continuous unless noted otherwise. Continuity at corners and intersections shall be achieved using corner bars and contact lap splices. Continuity at other locations may be achieved using contact lap splices shown on approved shop drawings. Location of lap splices shall be shown on the shop drawings. Unless noted otherwise, the following lap splices shall be used: (All lap splices are class B splices)

Location:	#3	#4	#5	#6	#7	#8	#9	#10	#11
3000 & 3500 PSI Concrete:									
- Top Bars (*):	21"	19"	35"	46"	71"	93"	118"	149"	184"
- Other Bars:	16"	22"	27"	35"	55"	71"	91"	115"	142"

(\*) Top bars are horizontal reinforcing where more than 12" of concrete is cast in the member below the reinforcing.

3. GENERAL:

- A. Coordinate work with all other work. Comply with ACI 301.
- B. All reinforcing shall be continous, see notes above. All reinforcing, anchor bolts, and other embedded items shall be secured in place prior to placing concrete.
- C. Construction joints shall be keyed joints, unless noted otherwise, with reinforcing continuous through the joint. Construction joints shall be located in a manner not to affect the strength of the concrete. Concrete on one side of construction joints shall not be placed less than 24 hours after placement of concrete on the opposite side of the construction joint.
- D. Minimum clear cover from reinforcing to surfaces of concrete shall be as follows:
- Concrete cast against and permanently exposed to earth: 3"
  - Concrete exposed to earth or weather: 1 1/2" (#5 and smaller)  
2" (#6 and larger)
  - Concrete not exposed to weather or in contact with earth: 3/4"
- Clear distance between parallel bars in a layer shall be as shown on the plans with minimum of 2 1/2".

4. FOUNDATION DESIGN CRITERIA:

- A. A soils report has not been completed for this site.
- B. The footings have been designed using the following assumed Allowable Net Bearing Pressure for the soil. See "Structural Notes, General" note 5 and 6 for testing and inspection requirements by a licensed professional Geotechnical Engineer.
- Allowable Net Soil Bearing Pressure (assumed): 1,500 PSF

5. BUILDING EARTHWORK and INSPECTION:

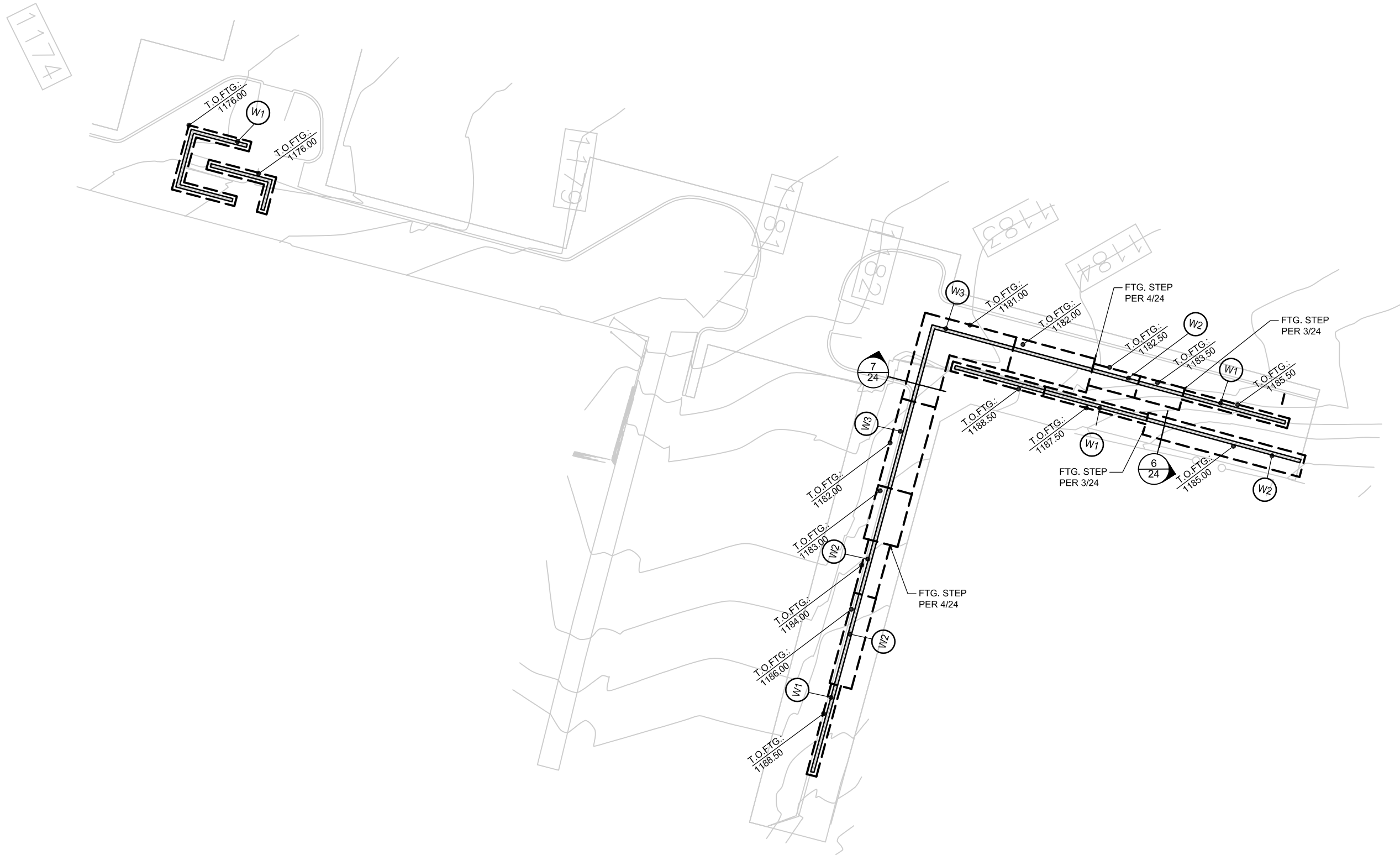
- A. The Contractor shall employ TD2 as the Geotechnical Engineer to inspect all footing excavations. The contractor shall provide sufficient notice to the Geotechnical Engineer when earthwork is to be performed.
- B. The Geotechnical Engineer shall perform all testing and inspection necessary at footing excavations to verify that the allowable soil bearing capacity meets or exceeds the capacity assumed during design. If the soil does not meet the assumed soil bearing, the Geotechnical Engineer shall make a recommendation of the actual allowable soil bearing capacity and propose soil improvements to the Engineer. The contractor shall not proceed with work in that area, as soil improvement or re-design of the footing may be required.
- C. At footing excavations, the contractor shall remove any areas of debris-filled, loose, soft, or otherwise objectionable soil, as determined by the Geotechnical Engineer, that is not suitable to achieve the assumed soil bearing or to adequately support the slab-on-grade.
- D. The Geotechnical Engineer shall submit written inspection and testing reports to the Structural Engineer and Owner covering the tests performed, inspections completed, and conclusions regarding the acceptability of the work.

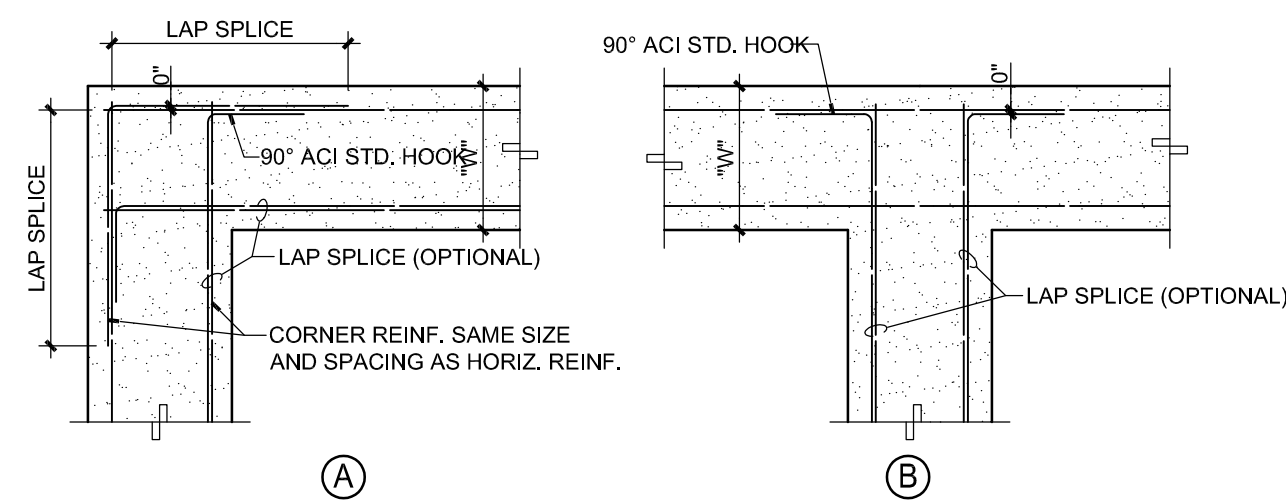
6. SPECIAL INSPECTION:

- A. Special Inspection in accordance with the Building Code will be performed per the special inspection schedules on sheet S0.1.
- B. Special Inspections shall be hired and paid for by the owner. Retest expenses for failed inspections will be charged to the contractor.
- C. The Contractor shall provide the Special Inspector sufficient notification to allow the required inspections to be made without delaying the construction schedule. The Contractor shall confirm that all inspections have been completed and approved by the Special Inspector prior to proceeding with Work.

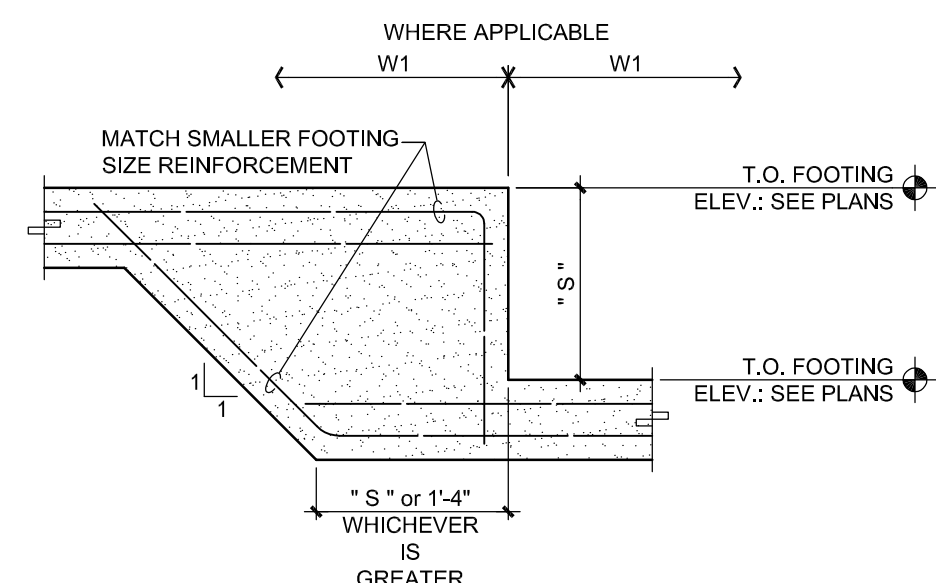
7. GENERAL NOTES:

- A. All work shall comply with requirements of the Building Code, with recommendations of manufacturers, and with recognized workmanship and material standards.
- B. Comply with all applicable codes, ordinances, and regulations including those promulgated and enforced by OSHA. The structural design represented by the drawings and specifications is based on interaction of the various components, materials, and systems shown or required by the drawings and specifications. The contractor shall determine the need for and provide all required bracing, shoring, or other means to ensure stability and safety until all work required by the contract documents is complete. When and where necessary to comply with these requirements, the contractor shall provide appropriate additional temporary or permanent connections, shoring, and/or bracing or, in the alternative, shall make appropriate modifications of specified connections and/or members. Where additions to or modifications of specified requirements are proposed, they shall be submitted to the Architect for review and approval. Such review and approval will be only for compliance with the structural and architectural design intent for the work. The adequacy for construction phase stability and safety is the responsibility of the contractor.
- C. Adapt requirements of details, sections, plans, and notes at all locations of which conditions are similar.
- D. The structural drawings are to be read in view of all other drawings and all specifications. Coordinate all work shown with all other work.
- E. Contractor shall cross check dimensions and elevations between architectural, mechanical, and structural plans and notify Engineer of any variance before contractor begins work.
- F. Submittals: Shop drawings for any part of the work shall show the interface with and provisions for related other work including such adaptations of requirements given as may be necessary.
- Contractor shall submit shop drawings for the following:
- Reinforcing Steel
  - Concrete Mix Design

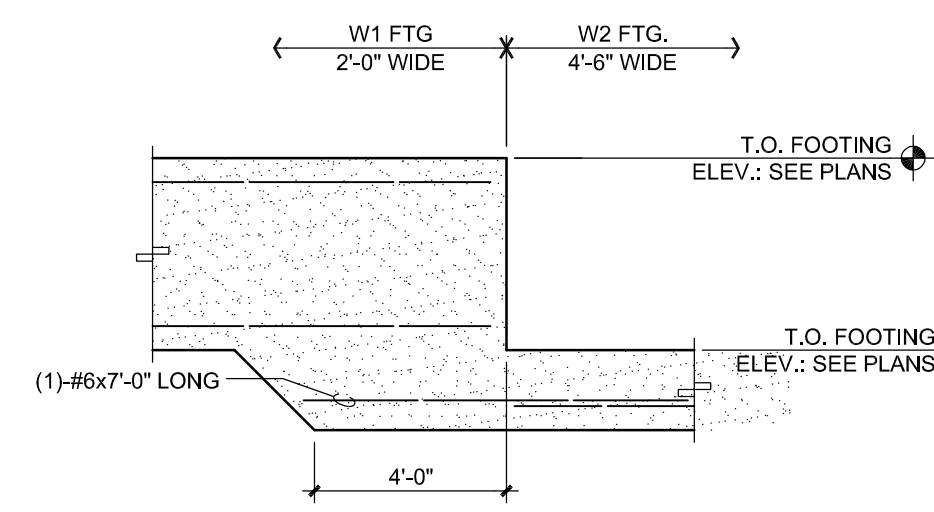




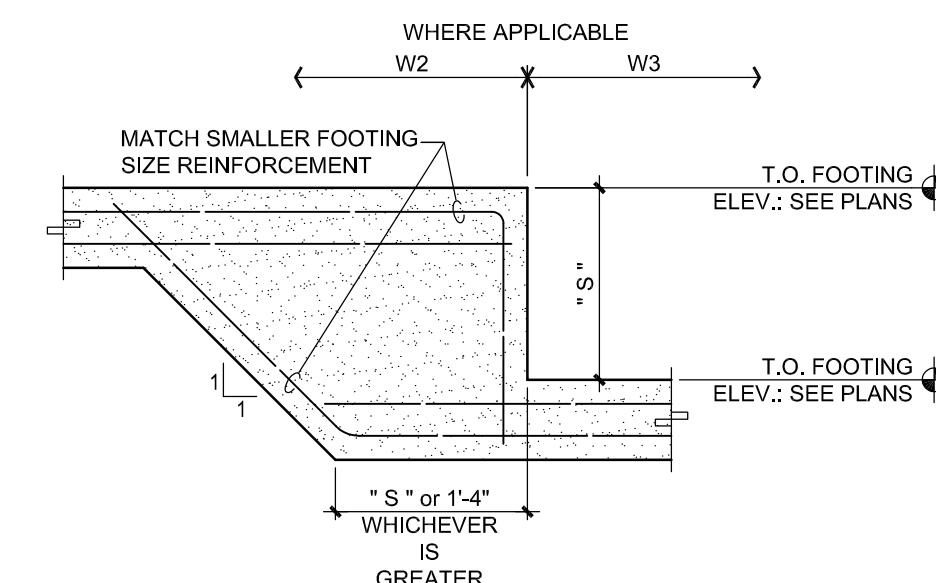
**1 CORNER REINFORCING DETAILS**  
NO SCALE



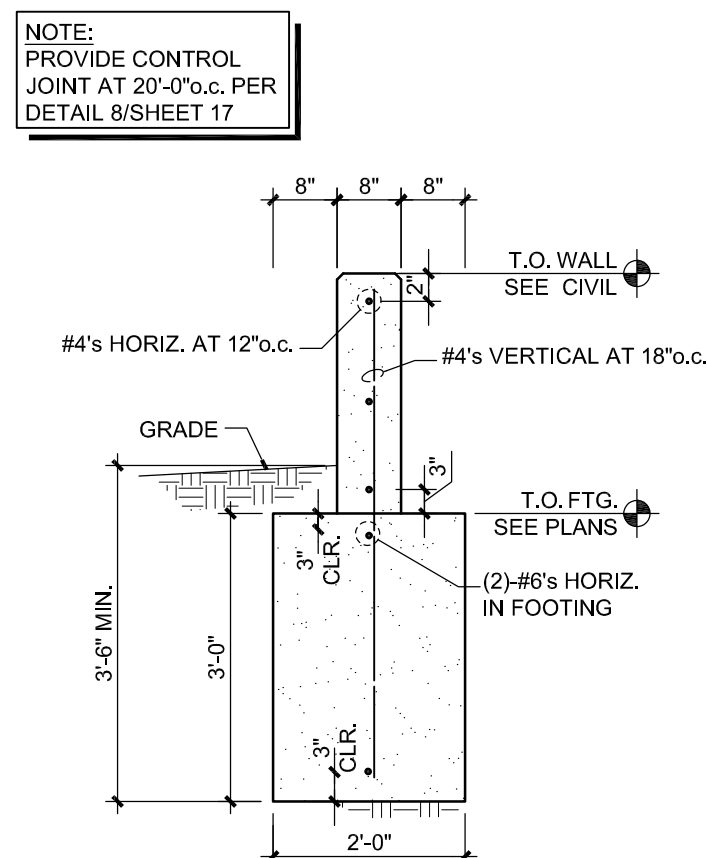
**2 FOOTING STEP DETAIL**  
NO SCALE



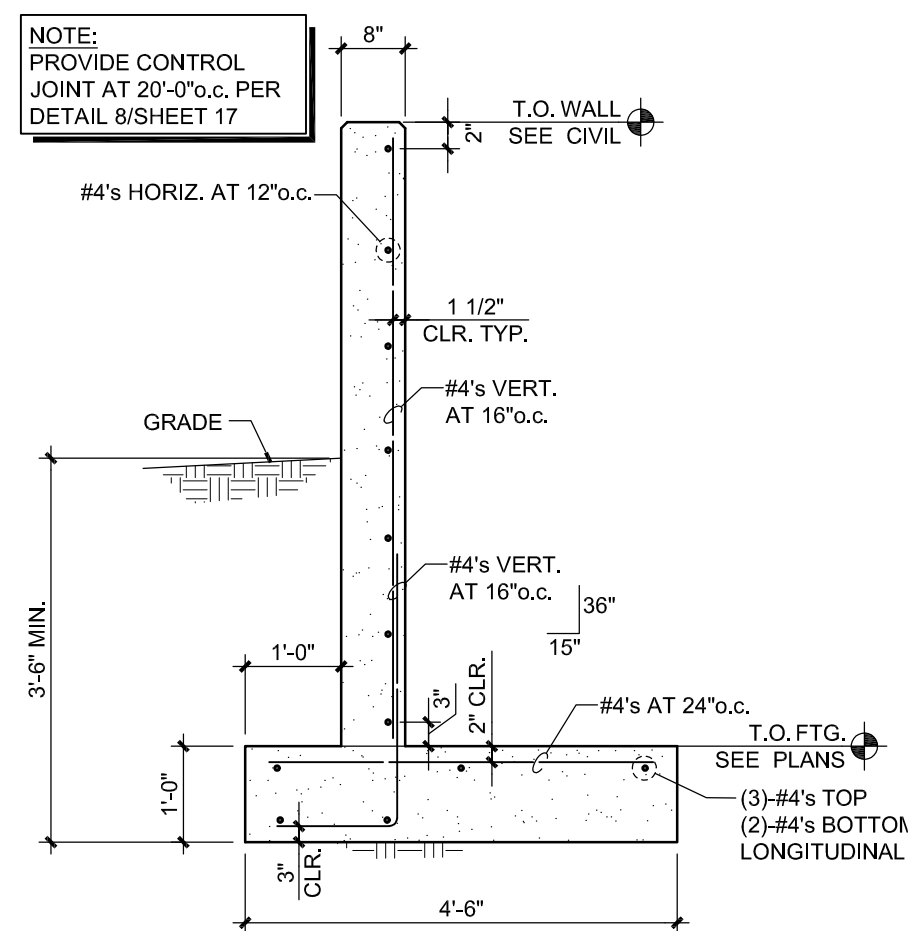
**3 FOOTING STEP DETAIL**  
NO SCALE



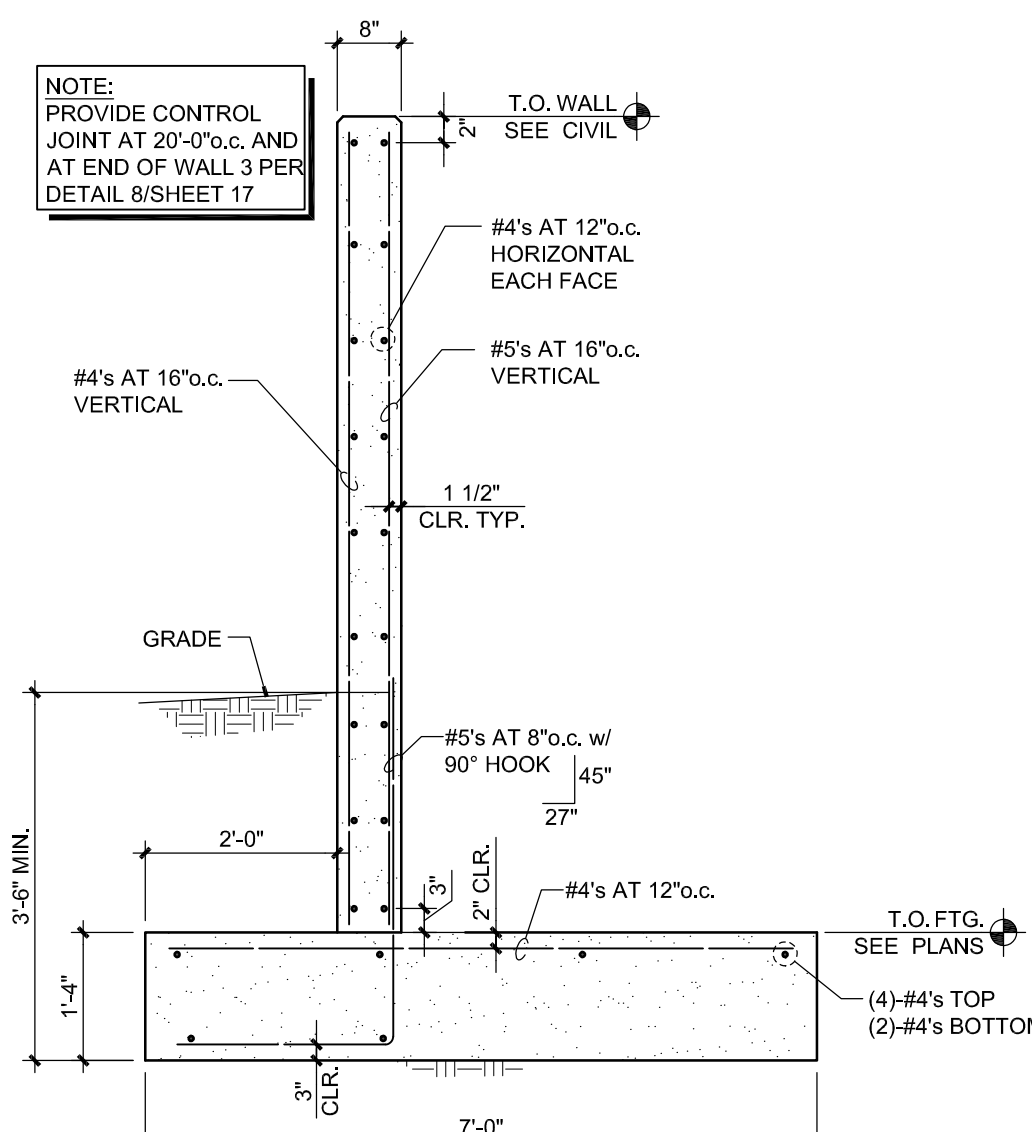
**4 FOOTING STEP DETAIL**  
NO SCALE



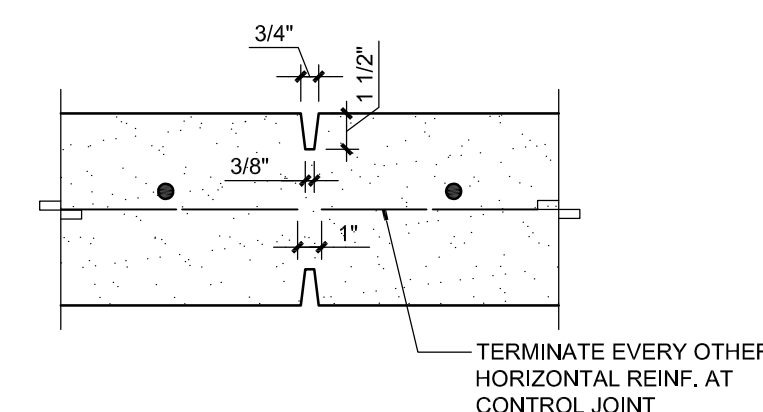
**5 WALL 1**  
1/2" = 1'-0"



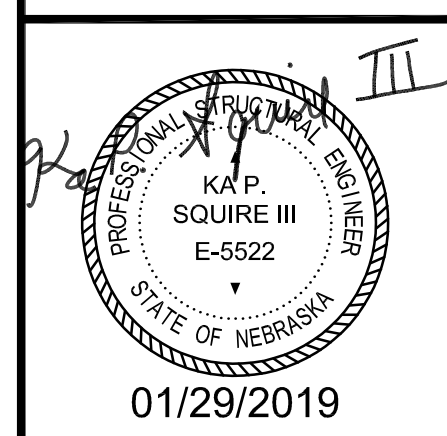
**6 WALL 2**  
1/2" = 1'-0"



**7 WALL 3**  
1/2" = 1'-0"



**8 WALL CONTROL JOINT**  
1 1/2" = 1'-0"



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CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

**OPW 53311**

SHEET  
24  
24

**STRUCTURAL DETAILS**