

CLINTON PARKING REDESIGN

Clinton, Iowa

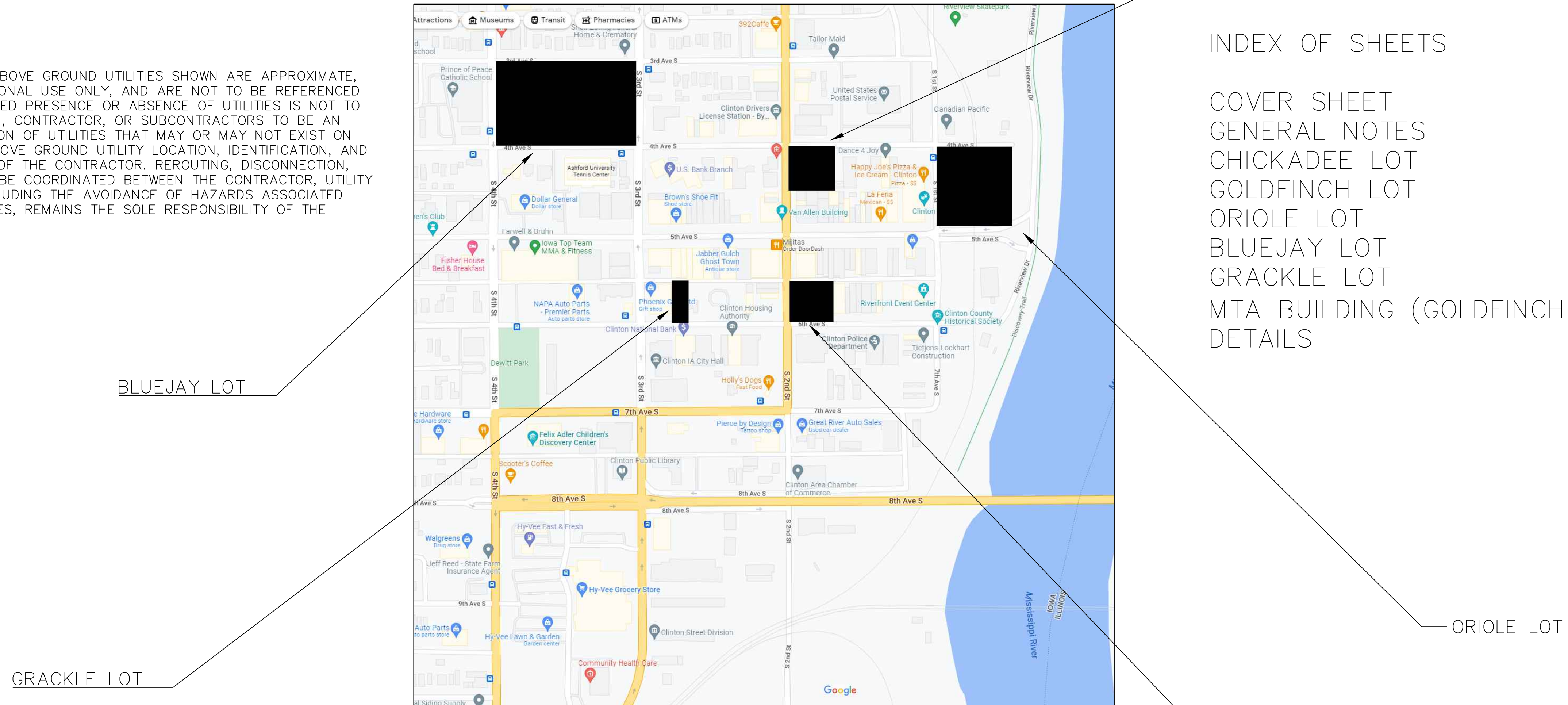
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**ALLIANT ENERGY COMPANY
(GAS & ELECTRIC)**
2001 BEAVER CHANNEL
CLINTON, IOWA 52732

CITY OF CLINTON (SEWER)
611 S. 3RD STREET
CLINTON, IOWA 52732

**IOWA AMERICAN WATER
COMPANY (WATER)**
5201 GRAND AVENUE
CLINTON, IOWA 52805

MEDIACOM (CABLE)
3900 26TH AVENUE
MOLINE, ILLINOIS 61265



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VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER
CITY OF CLINTON
611 S. 3RD STREET
CLINTON, IOWA 52732

GENERAL NOTES

1.) THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF CLINTON REQUIREMENTS, THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" LATEST EDITION; IOWA SUDAS SPECIFICATIONS; THE CONTRACT DOCUMENTS AND THESE DRAWINGS.

2.) THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER FOR THE CITY OF CLINTON AND ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

3.) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT IS POSSIBLE THAT THERE ARE OTHER UTILITIES WHOSE EXISTENCE IS PRESENTLY NOT KNOWN OR SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AND TO AVOID DAMAGE THERETO. MINOR CONFLICT WITH UNDERGROUND UTILITIES THAT ARE ABANDONED BUT NOT REMOVED BY THE UTILITY COMPANY SHALL BE REMOVED AS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT BY THE CONTRACTOR. REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT AND SHALL NOT ENTITLE THE CONTRACTOR TO ANY EXTRA COMPENSATION.

4.) THE CITY AND UTILITY COMPANIES SHALL HAVE ACCESS TO THE PROJECT FOR CONSTRUCTION AND TO MAKE EXTENSIONS OR ADJUSTMENTS OF SERVICES. NO CLAIM FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

5.) ALL UNSUITABLE MATERIAL, CONSTRUCTION DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS, AND EXISTING PAVEMENT, SIDEWALKS AND DRIVEWAY PAVEMENT SCHEDULED FOR REMOVAL SHALL BE PROPERLY DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS AND GUIDELINES. THE CONTRACTOR SHALL DISPOSE OF REMOVED CONCRETE IN A METHOD APPROVED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES.

6.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS OR UNDESIRABLE MATERIAL, WHICH IS NOT TO BE INCORPORATED IN THE WORK INVOLVED IN THIS PROJECT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES.

7.) PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.

8.) EROSION CONTROL FEATURES SHALL BE INCORPORATED INTO THE CONSTRUCTION AT THE EARLIEST POSSIBLE TIME TO LIMIT EROSION AND STREAM POLLUTION AND SHALL BE MAINTAINED UNTIL ACCEPTANCE OF THE PROJECT BY THE CITY.

9.) ALL STORM SEWER INLETS THAT RECEIVE DRAINAGE FROM EXPOSED EARTH AREAS SHALL BE PROTECTED FROM INTAKE OF ERODED SOIL WITH COMPOST FILTER SOCK OR OTHER ACCEPTABLE INLET PROTECTION MEASURES. THE INLET PROTECTION SHALL BE MAINTAINED ACCORDING TO THE PROJECT SWPPP.

10.) WHEN NOT INITIATED AT AN EXISTING JOINT, REMOVAL OF EXISTING CONCRETE PAVEMENT, ASPHALT OR CONCRETE DRIVES AND SIDEWALKS SHALL BE INITIATED WITH FULL DEPTH SAW CUTS, EXERCISING EXTREME CARE TO AVOID SURFACE BREAKS AND SPALLING. IF SURFACE BREAKS OR SPALLING OCCUR, ADDITIONAL REMOVAL AND REPLACEMENT SHALL BE MADE AT THE CONTRACTOR'S EXPENSE. THE COST OF SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION.

11.) THE CONTRACTOR SHALL PREVENT SILT AND DEBRIS FROM ENTERING STORM AND SANITARY SEWERS AND SHALL REMOVE ANY SUCH MATERIAL THAT ENTERS THE SEWERS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

12.) CARE SHALL BE TAKEN TO PREVENT STORM WATER FROM UNDERMINING THE PAVEMENT DURING CONSTRUCTION. IF AREAS BECOME UNDERMINED, THEY SHALL BE REPAIRED IN A MANNER ACCEPTABLE TO THE ENGINEER. PRESSURE GROUTING MAY BE REQUIRED.

13.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ADJACENT STREETS AND PROPERTY FREE FROM EXCESSIVE BUILD-UP OF SOIL AND/OR GRANULAR MATERIAL FROM THE PROJECT. THE CONTRACTOR SHALL CLEAN EXCESS SOIL AND OTHER MATERIAL FROM THE ADJACENT STREETS ON A DAILY BASIS TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE DONE TO EXISTING STREETS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

14.) THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT THE SPREAD OF DUST FROM THE CONSTRUCTION AREAS AND HAUL ROUTES, WHICH MAY INCLUDE THE APPLICATION OF WATER AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

15.) SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THAT THE PROFILES AND GRADES OBTAINED ARE AS SHOWN ON THE PLANS AND GRADE SHEETS. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS.

16.) ANY PROPERTY DAMAGE OR DISTURBANCE TO PRIVATE PROPERTY OUTSIDE OF GRADING/CONSTRUCTION LIMITS SHALL REQUIRE THE CONTRACTOR TO RESTORE THE PROPERTY TO ORIGINAL OR BETTER CONDITION AT HIS OWN EXPENSE.

17.) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED BETWEEN THE PLANS AND SPECIFICATIONS AND THE EXISTING FIELD CONDITIONS.

18.) CONSTRUCTION STAKING, INSPECTION AND TESTING SHALL BE THE RESPONSIBILITY OF THE OWNER.

19.) TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAILS AND STANDARDS SHOWN IN THESE PLANS AND THE CONTRACT DOCUMENTS, AND IN COMPLIANCE WITH IOWA DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

20.) PROPERTY CORNERS SHALL BE PROTECTED DURING CONSTRUCTION. PROPERTY CORNERS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED AT HIS OWN EXPENSE.

21.) ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.

22.) PAVEMENT REMOVAL SHALL INCLUDE ALL PCC SIDEWALK, PCC PAVEMENT, HMA PAVEMENT AND PCC CURB REMOVAL.

23.) PAVEMENT STRIPING SHALL BE PERFORMED BY OTHERS ON THIS PROJECT.

24.) CONCRETE PAVEMENT SAW-CUTS SHALL BE SPACED A MAXIMUM OF 12' APART AND SHALL BE MADE AT RIGHT ANGLES TO ADJACENT SAW-CUTS WHEREVER POSSIBLE. ALL SAW-CUTTING PLANS SHALL BE DISCUSSED WITH THE ENGINEER BEFORE LAYOUT OF CUT LINES.

25.) PARKING LOT TO BE CONSTRUCTED IN TWO PHASES. THE NORTH HALF OF THE PARKING LOT SHALL BE FULLY REMOVED, CONSTRUCTED, AND OPENED BEFORE WORK COMMENCES ON THE SOUTH HALF OF THE LOT. THE FINAL STAGE OF CONSTRUCTION SHOULD BE THE SIDEWALKS. BEFORE WORK COMMENCES ON NORTH HALF OF LOT, CONTRACTOR SHALL REMOVE CENTER PORTION OF LOT AND REPLACE WITH 30' STRIP OF GRANULAR BASE STONE IN ORDER TO PROVIDE CIRCULATORY PATH FOR VEHICLES DURING CONSTRUCTION. THIS GRANULAR MATERIAL SHALL BE USED FOR BASE STONE, AND IS INCIDENTAL TO PAVING ITEM.

26.) ALL 24" STORM SEWER SHALL BE PVC, RCP, OR POLYPROPYLENE PIPE CONFORMING WITH SUDAS STANDARDS. ALL 8" PIPE SHALL BE PVC SDR 26 PIPE CONFORMING WITH SUDAS STANDARDS.

27.) ALL DRAIN TILE SHALL BE PVC TYPE 1 SUB-DRAIN PIPE WITH CAP ON END AND CONNECTION TO STRUCTURE INCIDENTAL. BACKFILL SHALL BE WASHED CHIPS, ALSO INCIDENTAL.

28.) ALL LIGHTING WORK TO BE DONE BY SEPARATE CONTRACTOR WILL BE COORDINATED BY THE CITY. CONTRACTOR FOR THIS PROJECT SHALL COOPERATE WITH THE ELECTRICAL CONTRACTOR HIRED BY THE CITY.

GRADING NOTES

1.) EXISTING VEGETATION AND ROOT ZONE SHALL BE COMPLETELY STRIPPED TO A EXISTING VEGETATION AND ROOT ZONE SHALL BE COMPLETELY STRIPPED TO A DEPTH OF 6". TOPSOIL SHALL THEN BE STOCKPILED ON SITE TO BE RE-USED AS NON-STRUCTURAL FILL AND RE-SPREAD PRIOR TO SEEDING/SODDING.

2.) PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.

3.) THE EXPOSED SUBGRADE SHALL BE PROOF-ROLLED THOROUGHLY TO DETECT ANY UNSUITABLE AREAS. AT THE DIRECTION OF THE ENGINEER, THESE REGIONS SHALL BE STABILIZED TO MEET DENSITY REQUIREMENTS BY CORING OUT AND REPLACING WITH STABILIZATION ROCK OR OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL DISC AND DRY SUBGRADE FOR NO LESS THAN 3-WORKING DAYS IF PROOF ROLLING FAILS

4.) ALL UNSUITABLE MATERIAL, SEALCOAT, CONCRETE, ETC. SHALL BE PROPERLY DISPOSED OF OFF SITE.

5.) ALL DISTURBED LANDSCAPING AREAS SHALL BE SEEDED WITH SUDAS SEED MIXTURE PLACED ON A PREPARED SEEDBED. FERTILIZING AND MULCHING SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. ALL AREAS TO BE SEEDED SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL.

6.) PAVEMENT REMOVALS ARE ESTIMATED AT 6" THICK FOR ASPHALT AND CONCRETE

SITE NOTES

1.) ALL WORK AND MATERIALS SHALL COMPLY WITH IOWA SUDAS, CITY OF CLINTON, ALL WORK AND MATERIALS SHALL COMPLY WITH IOWA SUDAS, CITY OF CLINTON, IA REGULATIONS AND CODES AND O.S.H.A. STANDARDS.

2.) PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF FIXTURES. (SEE ELECTRICAL PLANS FOR SITE LIGHTING DETAILS.)

3.) PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED BY LICENSED SIGN CONTRACTOR MUST BE SUBMITTED TO PLANNING, BUILDING, AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL.

4.) PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT CONTRACTOR'S EXPENSE.

5.) ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.

EROSION CONTROL NOTES

1.) ALL EROSION CONTROL FEATURES SHALL BE IN ACCORDANCE WITH THE PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL AND THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION" LATEST EDITION INSOFAR AS APPLICABLE.

2.) INSTALL EROSION CONTROL MEASURES, WHERE POSSIBLE, PRIOR TO THE COMMENCEMENT OF ANY EARTH DISTURBING OPERATIONS. ANY REMAINING CONTROL MEASURES MUST BE INSTALLED AS SOON AS REASONABLY POSSIBLE AFTER GRADING OPERATIONS BEGIN.

3.) THE CONTRACTOR SHALL DESIGNATE, PRIOR TO BEGINNING CONSTRUCTION, A PERSON OR PERSONS WHO CAN BE CONTACTED IN AN EMERGENCY. THESE PEOPLE SHALL BE AVAILABLE TO REPAIR AND MAINTAIN EROSION DEVICES ON A 24 HOUR PER DAY BASIS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING INSPECTIONS OF THE EROSION CONTROL SYSTEM AS REQUIRED BY THE NPDES PERMIT AND STORM WATER POLLUTION PREVENTION PLAN.

4.) IN AN EFFORT TO LIMIT SOIL EROSION THE FOLLOWING SEQUENCE OF GRADING ACTIVITY AND TEMPORARY SEDIMENT CONTROL MEASURES ARE REQUIRED. A. PLACE SILT FENCE AT THE TOE OF UNSEEDED/UNSOODED SLOPES DURING CONSTRUCTION. ADDITIONAL SILT FENCE MAY BE REQUIRED FOR PROPER EROSION CONTROL. B. ONCE FINAL SUBGRADE ELEVATIONS ARE OBTAINED, PAVING OPERATIONS CAN PROCEED. MAINTAIN STRAW BALES AND SILT FENCING DURING PAVING OPERATIONS AS MUCH AS PRACTICAL. C. TEMPORARY STOCK PILES SHALL BE GRADED TO DRAIN WITH A MAXIMUM SIDE SLOPE OF 3 HORIZONTAL TO 1 VERTICAL. D. UPON COMPLETION OF PAVING AND LANDSCAPING OPERATIONS CONTRACTOR SHALL CLEAN STORM SEWER SYSTEMS OF DEBRIS AND SILT. E. EROSION CONTROL SYSTEM TO BE MAINTAINED BY THE GENERAL TRADE CONTRACTOR AFTER EACH RAINFALL EVENT AND THROUGHOUT THE COURSE OF THE PROJECT AND REMOVED UPON PROJECT COMPLETION AFTER AN ADEQUATE STAND OF GRASS HAS BEEN ESTABLISHED.

5.) FOR TEMPORARY SEEDING OR INACTIVITY OF 14 DAYS, THE ENTIRE AREA THAT WAS DISTURBED SHALL BE SEEDED WITH OATS AT A RATE OF 65LBS/ACRE AND ANNUAL RYE GRASS AT A RATE OF 40LBS/ACRE OR APPROVED EQUAL BY THE CITY. THIS SHALL BE PLACED ON A PREPARED SEEDBED. THE ENTIRE AREA SHALL BE FERTILIZED AT THE RATE OF 600 POUNDS PER ACRE WITH A 13-13-13 FERTILIZER INCORPORATED INTO THE SEEDBED. AT THE CONCLUSION OF THE GRADING OPERATIONS PERMANENT SEEDING SHALL BE PLACED PER CITY SPECIFICATIONS.

6.) THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL EROSION CONTROL MEASURES ONCE EACH WEEK. EROSION CONTROL MEASURES SHALL BE MAINTAINED OR, IF NEEDED, REPLACED SO THEY WILL FUNCTION AS ORIGINALLY DESIGNED. THE CONTRACTOR SHALL NOTIFY THE OWNER AND REPORT THE STATUS OF ALL EROSION CONTROL MEASURES. EROSION CONTROL INSPECTION RECORDS SHALL BE KEPT DETAILING ALL ACTIVITIES AND INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITIES.

7.) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE EROSION CONTROL MEASURES AND RECORDS UNTIL NOT LESS THAN 70% PERMANENT GROUND COVER IS ACHIEVED AT WHICH TIME ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED. ONCE ALL TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, A NOTICE OF DISCONTINUATION OF CONSTRUCTION ACTIVITY SHALL BE FILED.

8.) IF CONTRACTOR USES MORE THAN ONE SITE ENTRANCE/EXIT THEN ADDITIONAL STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED.

9.) TREE PROTECTION SHALL ADHERE TO SUDAS STANDARD 9030.102

UTILITY & PIPE MATERIAL NOTES

PIPE MATERIAL AND SPECIFICATION SHALL CONFROM WITH LOCAL PLUMBING CODES

BACKFILL: IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS SECTIONS 3010 AND 3020.

ALL 90 DEGREE OR TIGHTER TURNS IN THE PIPING MUST BE ACCOMPANIED WITH CLEAN OUT ACCESS

PROJECT:	RFP-05SPRING2022
DATE :	4/20/2022
DRAWN BY:	RB
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
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103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu



EDUCATIONAL - NOT FOR CONSTRUCTION

Clinton Parking Redesign

Clinton, Iowa

SHEET NAME
Notes & Legend

SHEET NO.
A-2

CHICKADEE PARKING REDESIGN

Clinton, Iowa

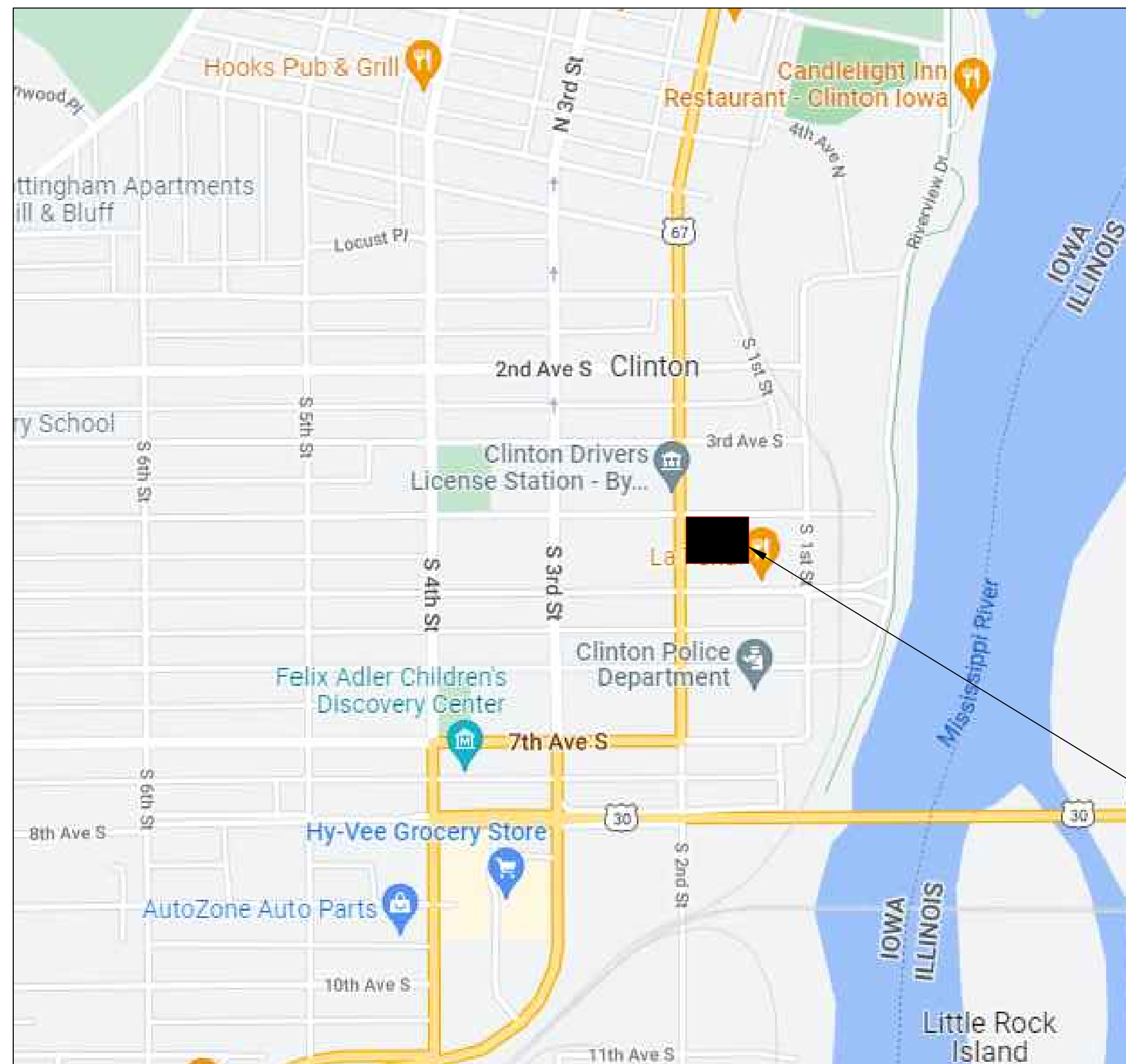
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VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER
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INDEX OF SHEETS

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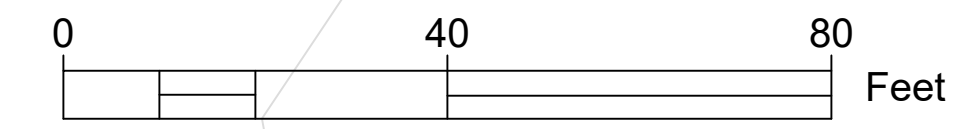
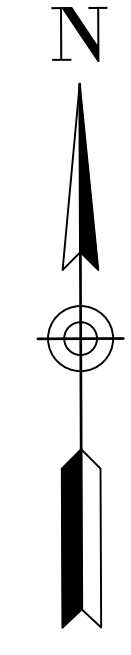
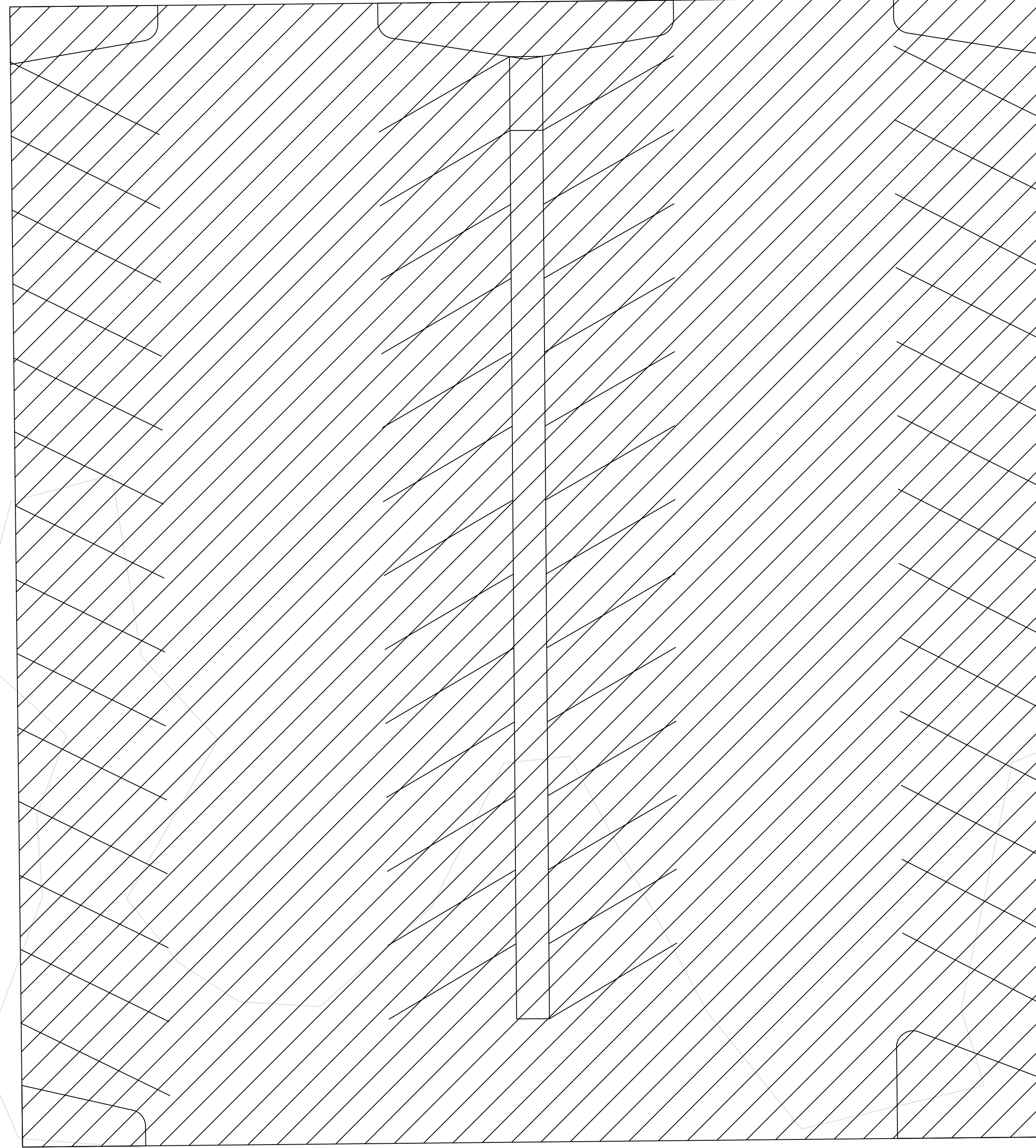
SITE LOCATION

Legend

 - PCC Pavement Removal

S 2nd St

4th Ave S



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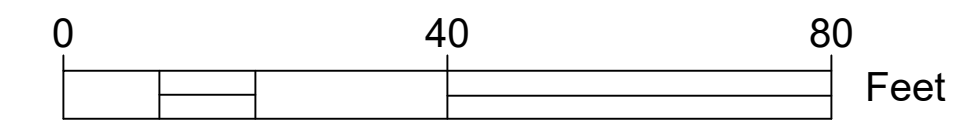
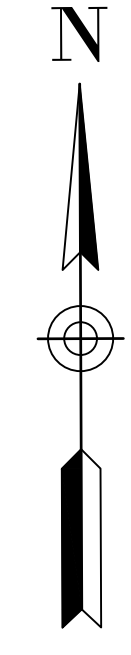
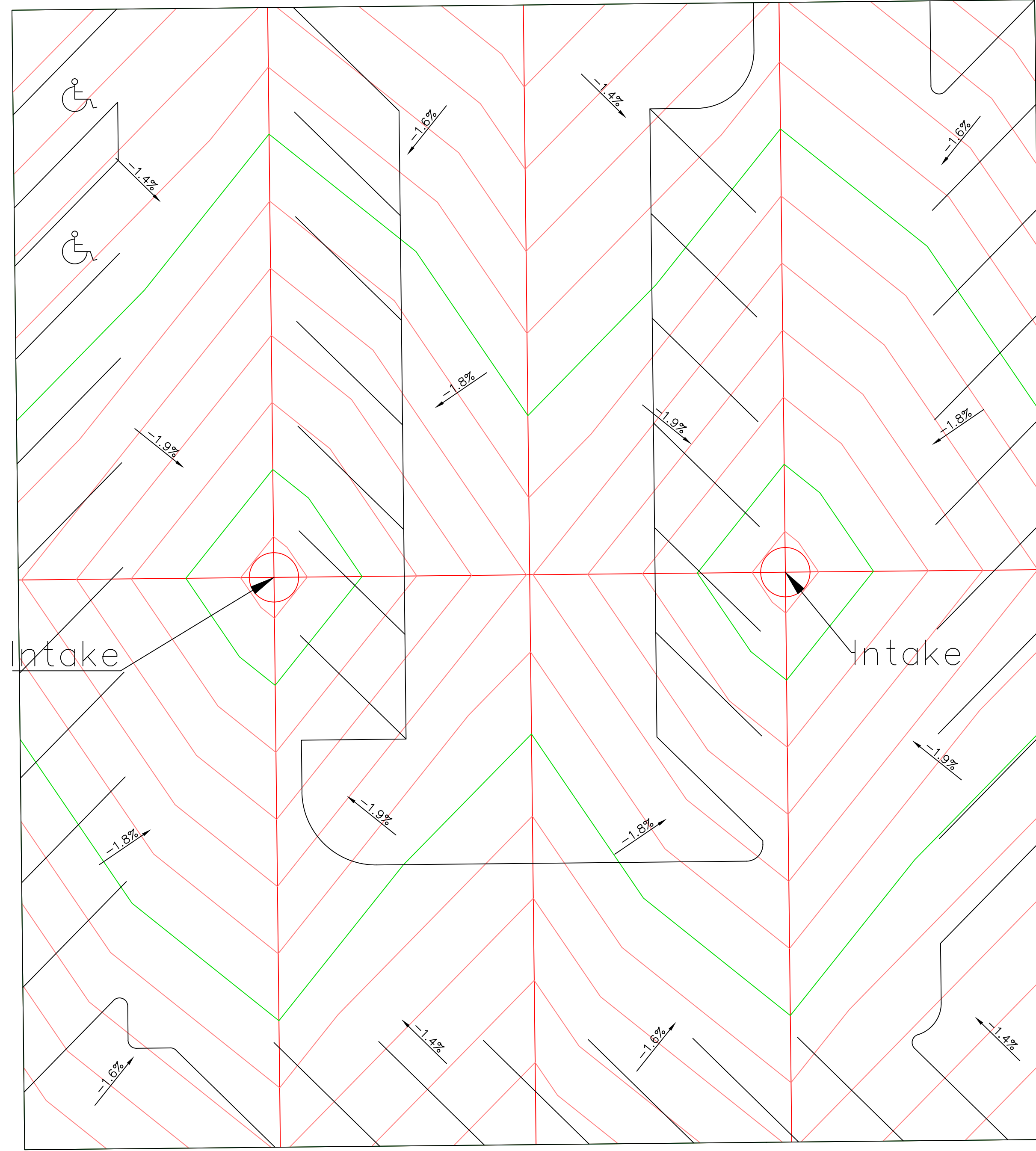
Clinton Parking Redesign
Chickadee Lot
Clinton Iowa

SHEET NAME
Chickadee Lot
Removals

SHEET NO.
B-3

4th Ave S

S 2nd St



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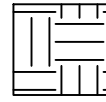

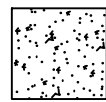
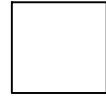
Clinton Parking Redesign
Chickadee Lot
Clinton Iowa

SHEET NAME
Traditional
Grading Plan

SHEET NO.
B-5.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	1929
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.0840
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	1423.1
6	Area Intake	EA	2
7	PVC Storm Sewer Pipe, 8"	LF	62.3
8	PVC Storm Sewer Pipe, 12"	LF	32.1
9	6" PCC Curb & Gutter, 24"	LF	777.1
10	ADA Parking Sign	EA	2
11	Traffic Control	LS	1
12	Light Poles and Fixtures	EA	8
13	Topsoil Backfill, 6"	CY	67.8
14	Green Fencing	LF	495.7
15	Parking Lot Name Sign	EA	1
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	PCC Pavement, 6" on Granular Subbase, 12"	SY	-1423.1
2	HMA Pavement, 6" on Granular Subbase, 12"	SY	1423.1

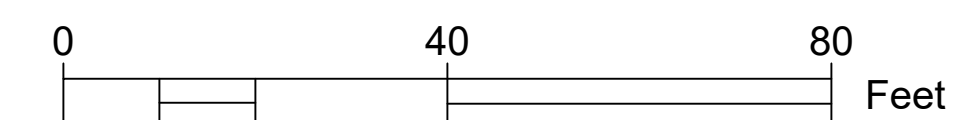
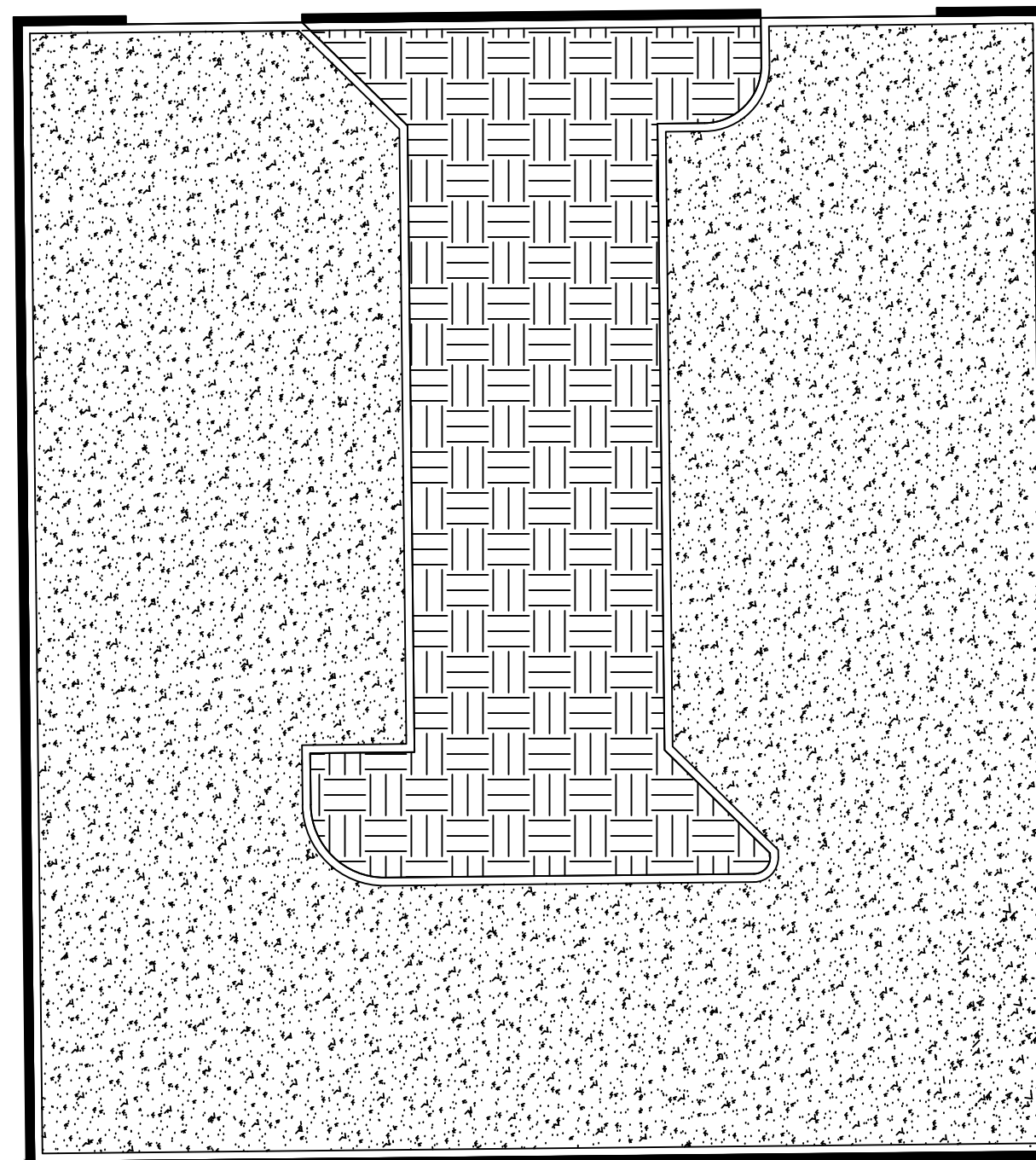
Legend

-  - Proposed Island Areas
-  - Proposed Fencing
-  - Proposed New Pavement (HMA or PCC)
-  - Proposed New Curb and Gutter 6" x 24" (h x w)

34 Regular Spots

S 2nd St

4th Ave S



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Clinton Parking Redesign

Chickadee Lot
Clinton Iowa

SHEET NAME

Traditional
Paving Quantities

SHEET NO.

B-5.2

4th Ave S

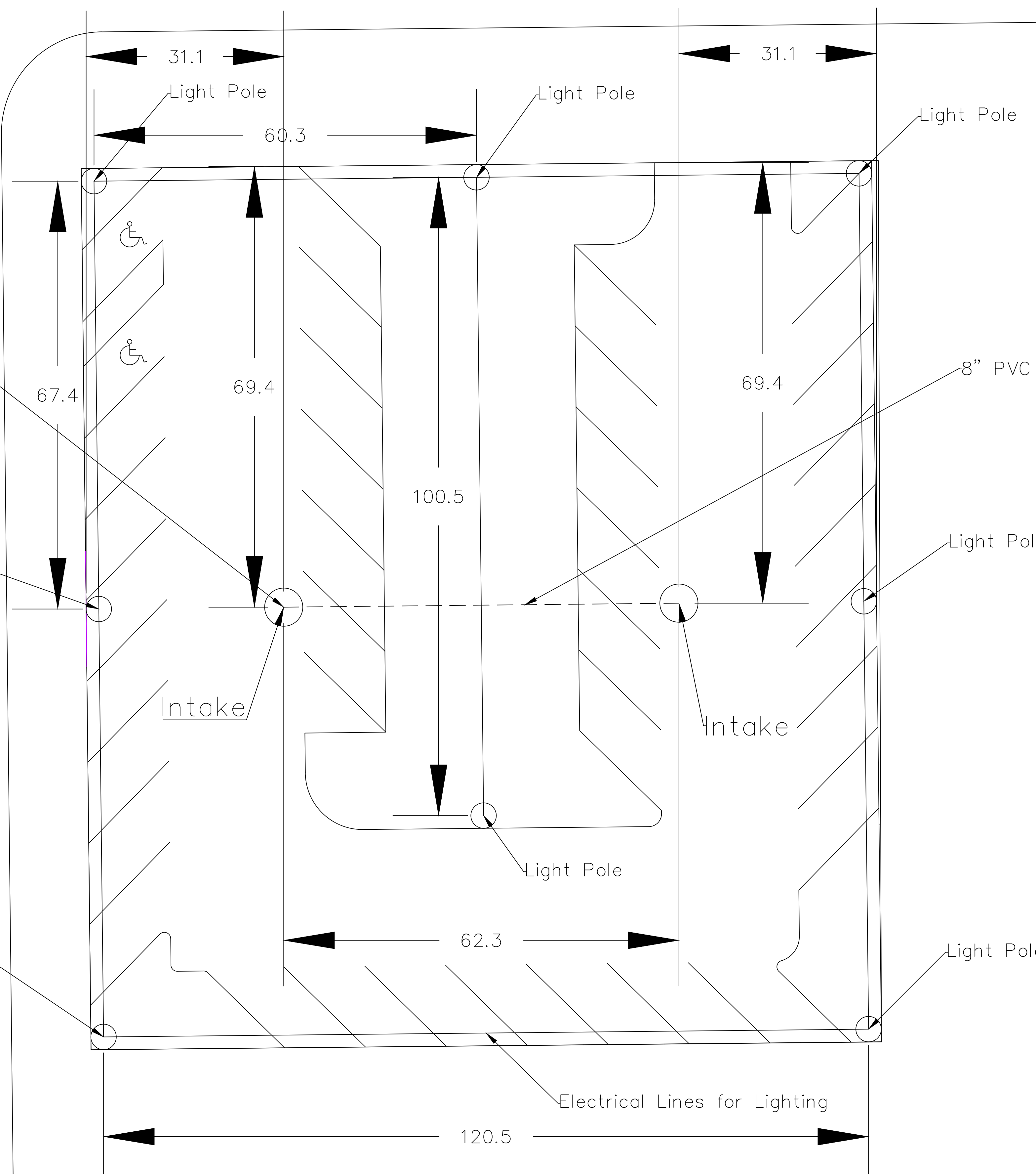


12" PVC Storm Sewer Pipe to Nearest Storm Sewer Connection on South 2nd St

Light Pole

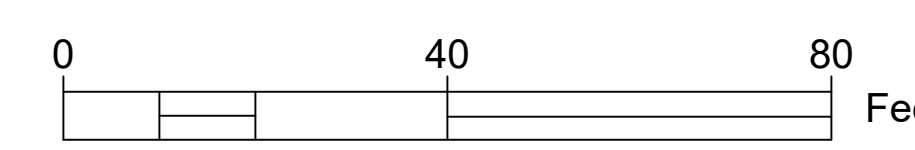
Light Pole

S 2nd St



8" PVC Storm Sewer Pipe

Electrical Lines for Lighting



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DATE :	5/02/2022
DRAWN BY:	DG
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
ENGINEERING ARTS AND SCIENCES
103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

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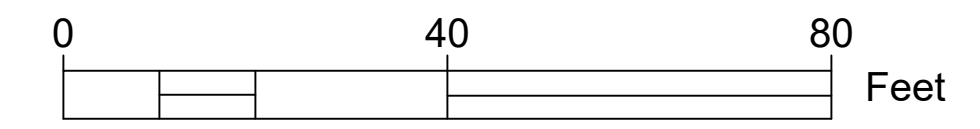
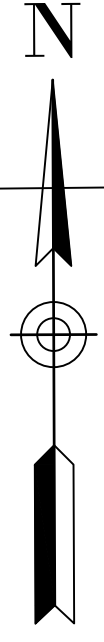
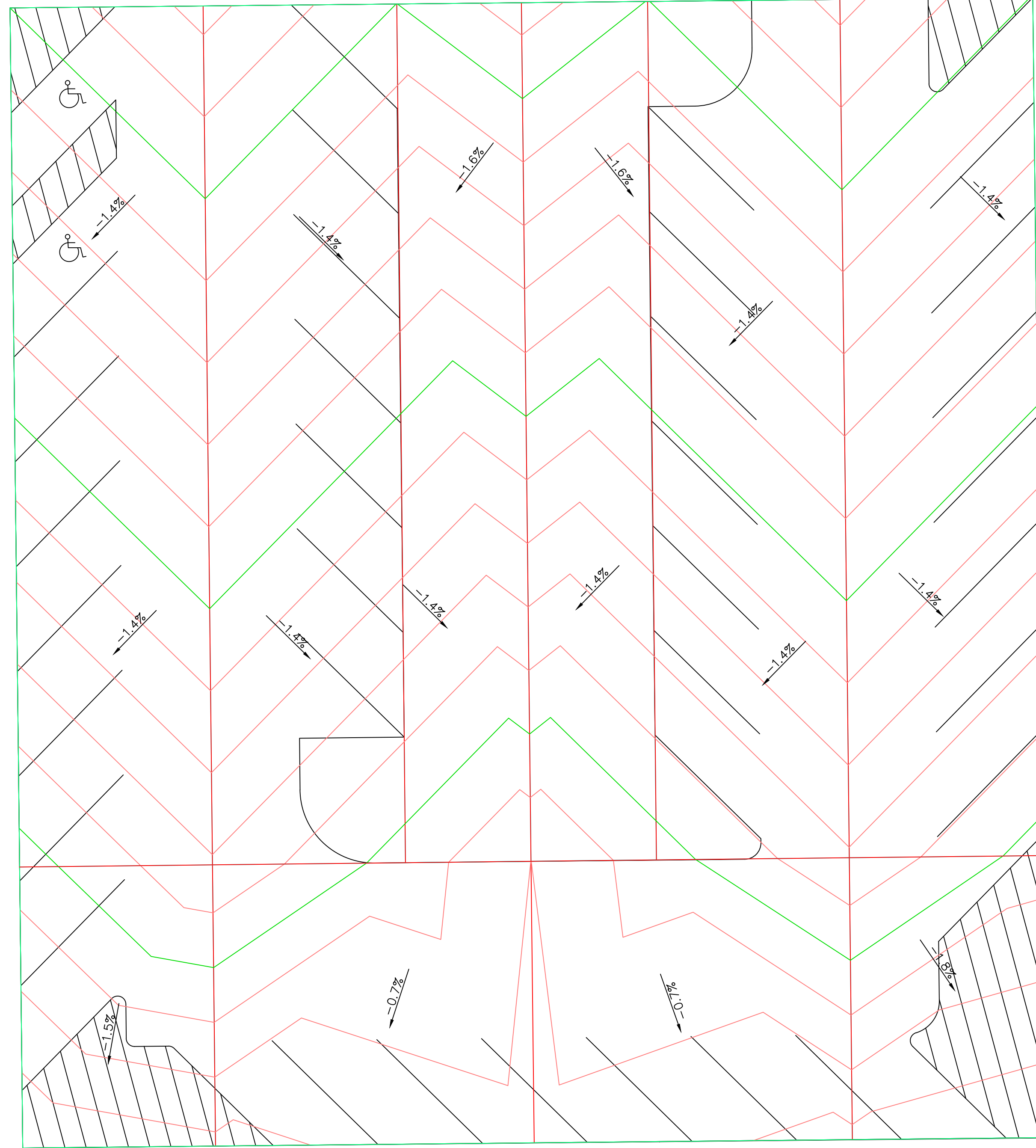
Clinton Parking Redesign
Chickadee Lot
Clinton Iowa

SHEET NAME
Traditional Utilities

SHEET NO.
B-5.3

4th Ave S

S 2nd St



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
DRAWN BY:	DG
REVISION:	

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Clinton Parking Redesign

Chickadee Lot
Clinton Iowa

SHEET NAME
Permeable
Grading Plan

SHEET NO.
B-6.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	1929
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.0774
4	Mobilization	LS	1
5	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	739.9
6	Permeable Pavers – Including Subbase	SY	720.7
7	Perforated Subdrain, 6"	LF	474.6
8	PVC Storm Sewer, 8"	LF	299.6
9	PVC Storm Sewer, 12"	LF	24.1
10	6" PCC Curb & Gutter, 24"	LF	777.1
11	ADA Parking Sign	EA	2
12	Traffic Control	LS	1
13	Light Poles and Fixtures	EA	8
14	Topsoil Backfill, 6"	CY	62.4
15	Green Fencing	LF	495.7
16	Parking Lot Name Sign	EA	1

Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	-739.9
2	Drive-Lane HMA Pavement, 6" on Granular Subbase, 12"	SY	739.9

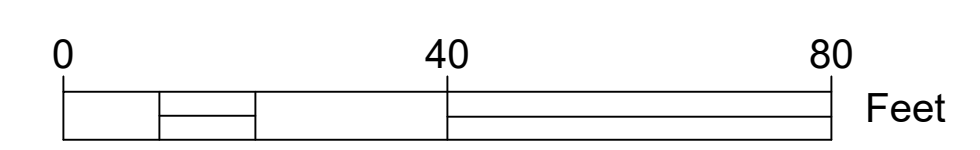
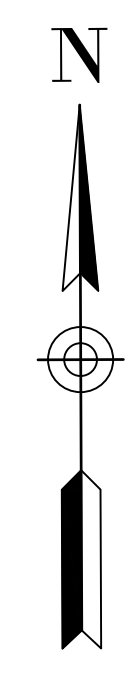
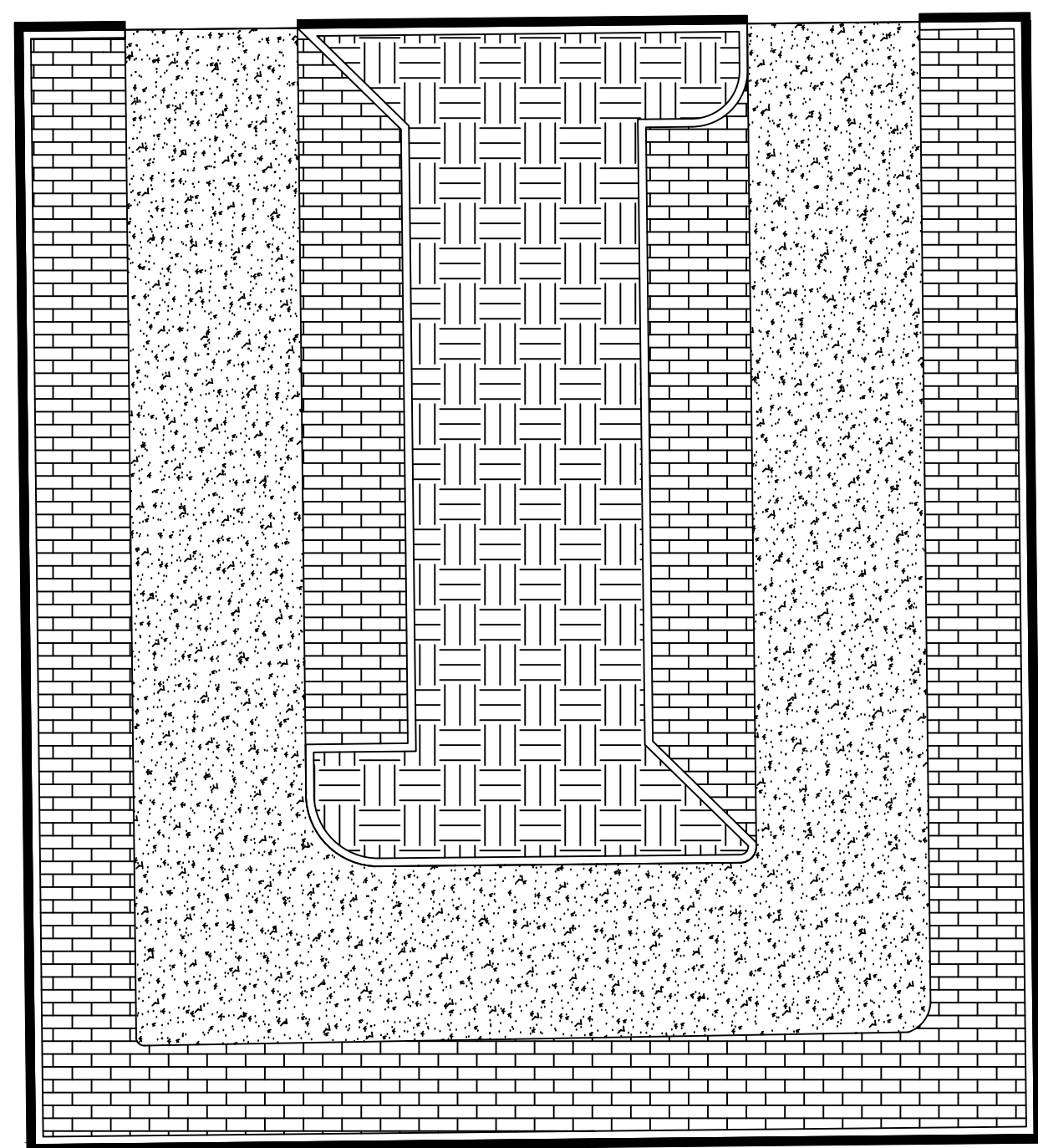
Legend

-  – Proposed New Permeable Pavers
-  – Proposed Island Areas
-  – Proposed Fencing
-  – Proposed New Pavement (HMA or PCC)
-  – Proposed Curb and Gutter 6" x 24" (h x w)

34 Regular Spots

4th Ave S

S 2nd St



PROJECT: RFP-05SPRING2022
DATE: 5/02/2022
DRAWN BY: DG
REVISION:

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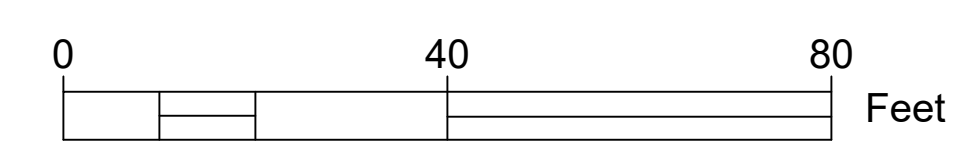
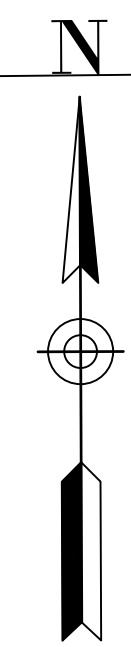
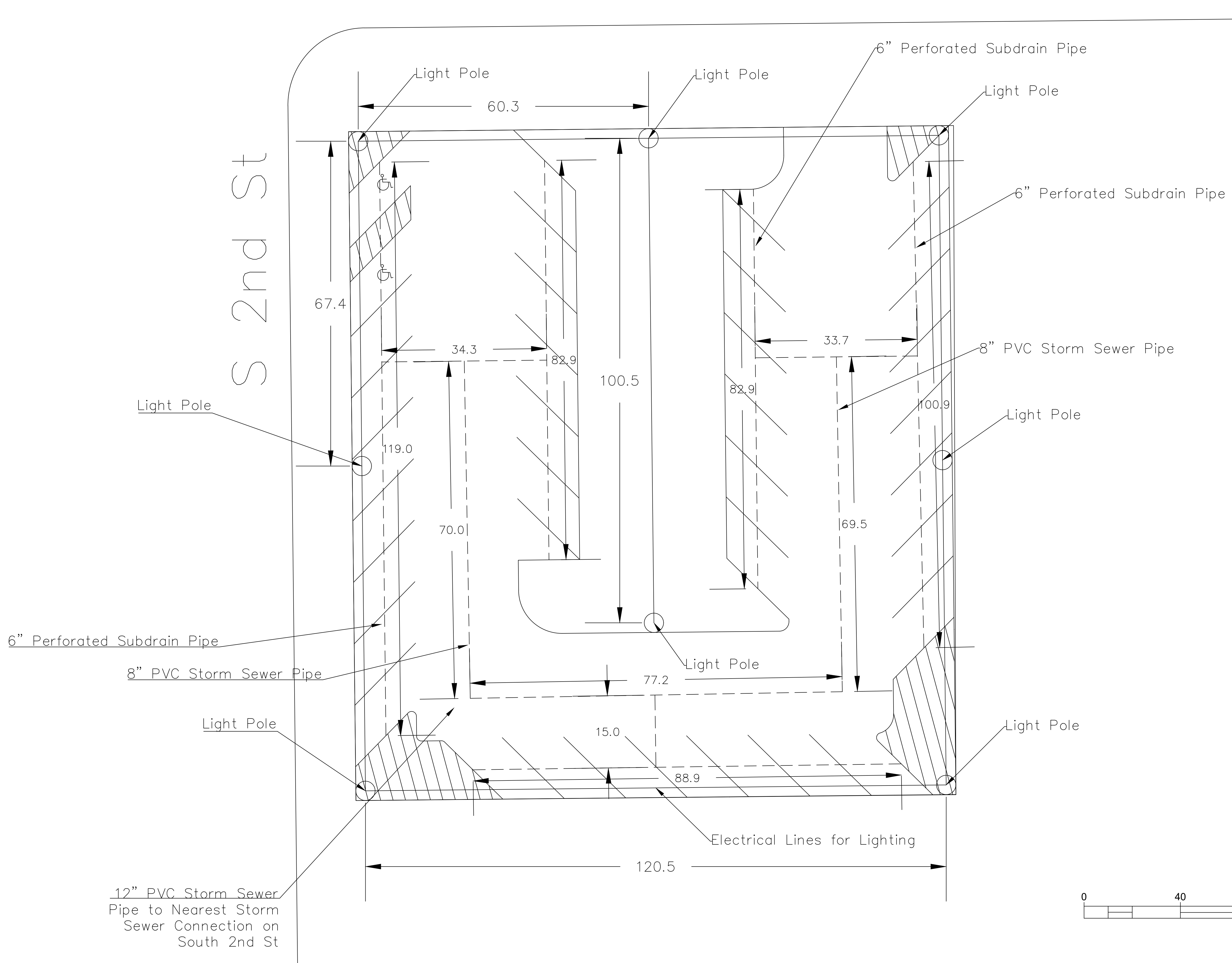
Clinton Parking Redesign

Chickadee Lot
Clinton Iowa

SHEET NAME
Permeable Paving Quantities

SHEET NO.
B-6.2

4th Ave S



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DATE :	5/02/2022
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REVISION:	

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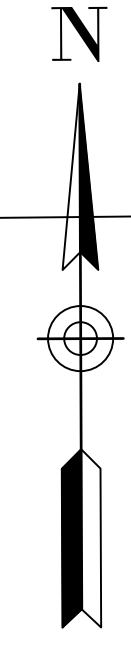
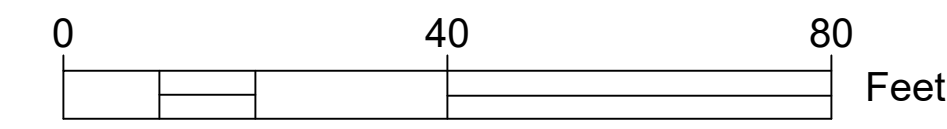
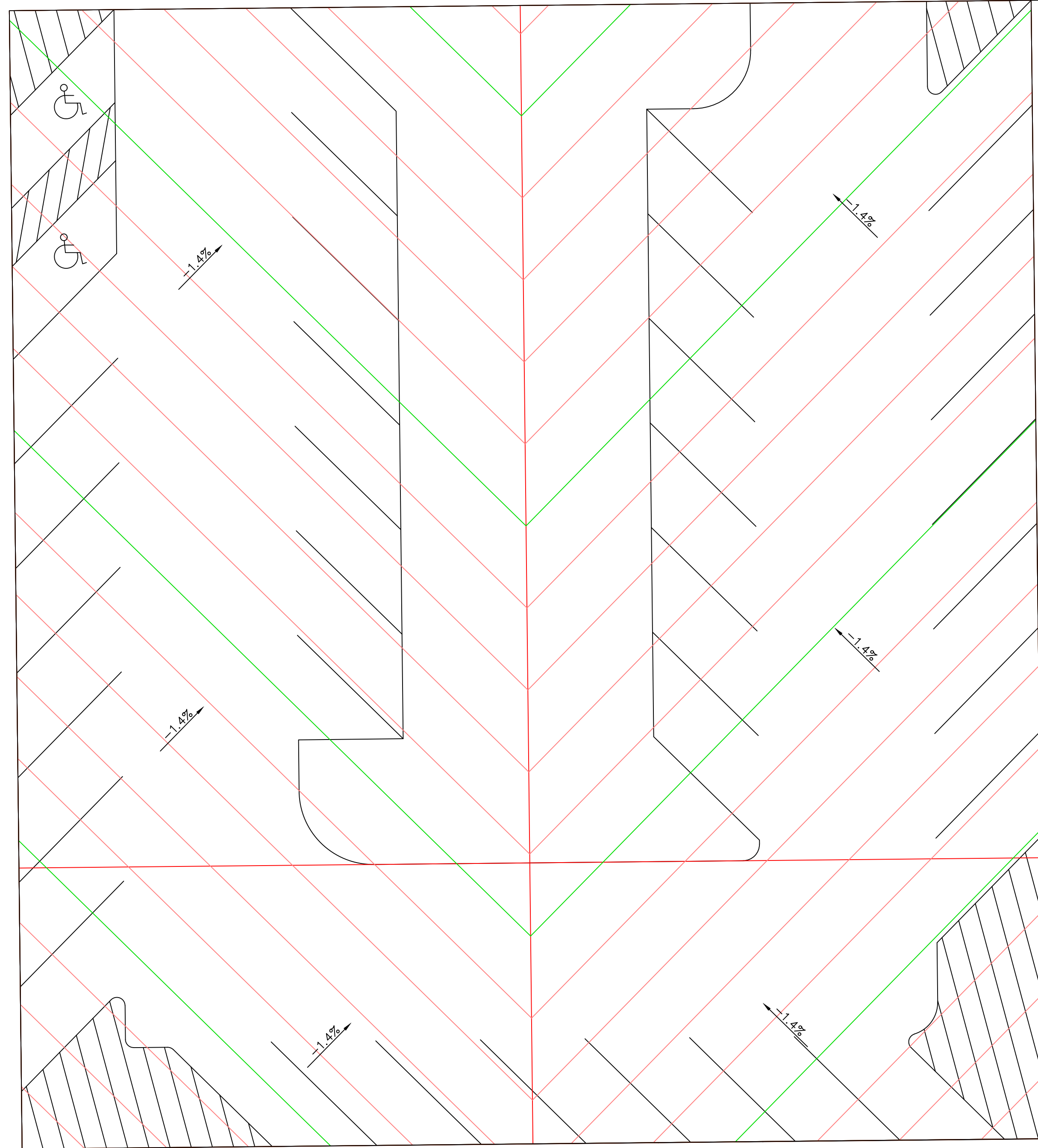
Chickadee Lot
Clinton Iowa

SHEET NAME
Permeable Utilities

SHEET NO.
B-6.3

S 2nd St

4th Ave S



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
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




Clinton Parking Redesign
 Chickadee Lot
 Clinton Iowa

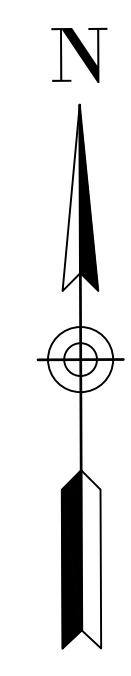
SHEET NAME
 Biocell
 Grading Plan

SHEET NO.
B-7.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	1929
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.0825
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	1224.5
6	Engineered Biocell	SY	399.1
7	Storm Sewer, 12"	LF	53.3
8	6" PCC Curb & Gutter, 24"	LF	550.6
9	ADA Parking Sign	EA	2
10	Traffic Control	LS	1
11	Light Poles and Fixtures	EA	8
12	Topsoil Backfill, 6"	CY	66.5
13	Green Fencing	LF	495.7
14	Parking Lot Name Sign	EA	1
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	-1224.5
2	Drive-Lane HMA Pavement, 6" on Granular Subbase, 12"	SY	1224.5

Legend

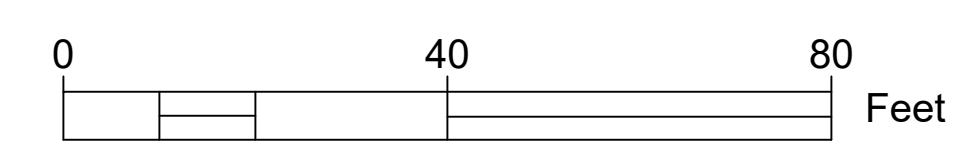
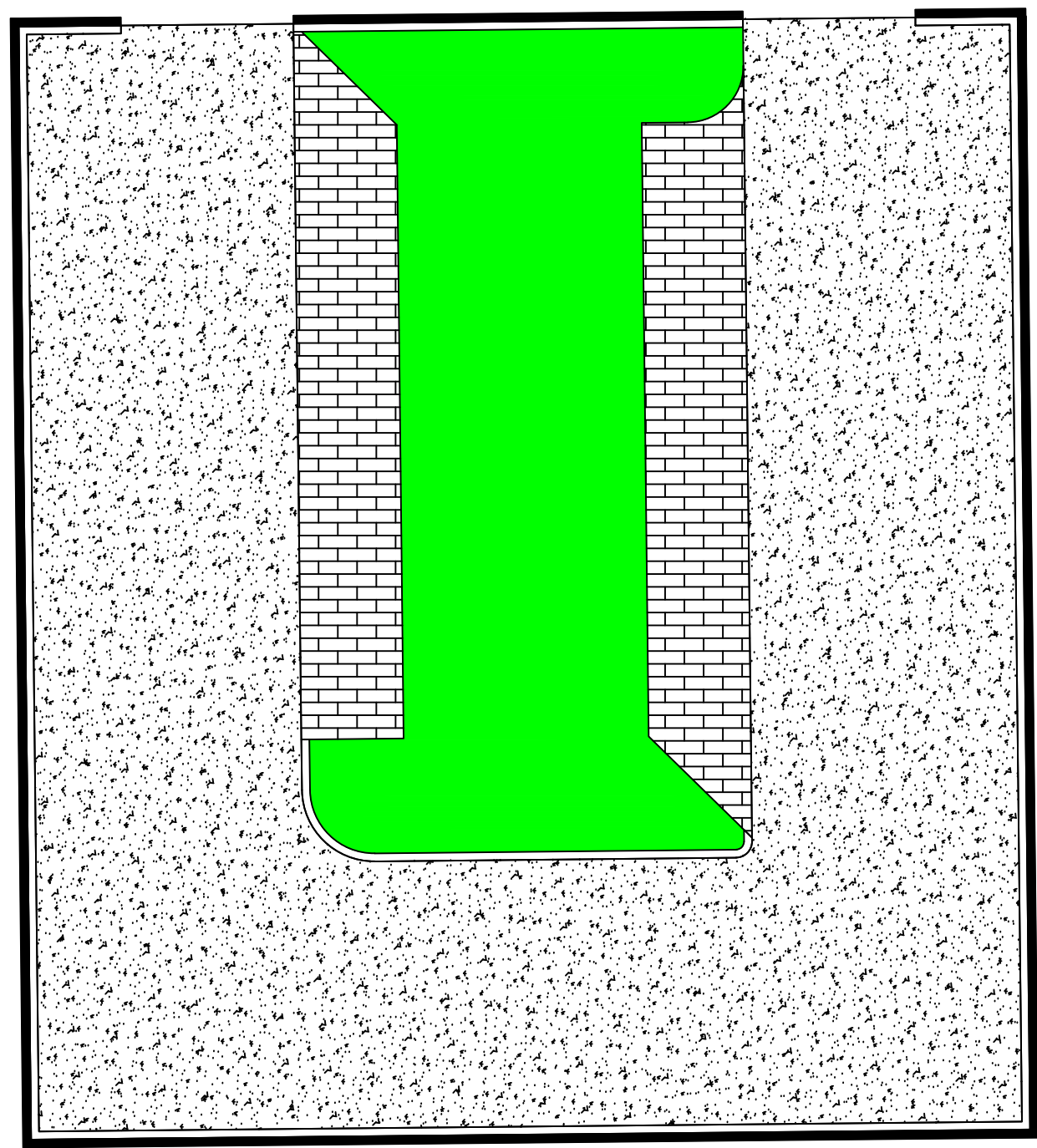
-  - Proposed New Permeable Pavers
-  - Proposed Bio Cells
-  - Proposed New Curb and Gutter 6" x 24" (h x w)
-  - Proposed Fencing
-  - Proposed New Pavement (HMA or PCC)



34 Regular Spots

S 2nd St

4th Ave S



PROJECT: RFP-05SPRING2022
DATE: 5/02/2022
DRAWN BY: DG
REVISION:

THE UNIVERSITY OF IOWA
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EMAIL: civil-hawks@iowa.edu

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Clinton Parking Redesign

Chickadee Lot
Clinton Iowa

SHEET NAME
Biocell
Paving Quantities

SHEET NO.
B-7.2

Goldfinch Parking Lot

Clinton, Iowa

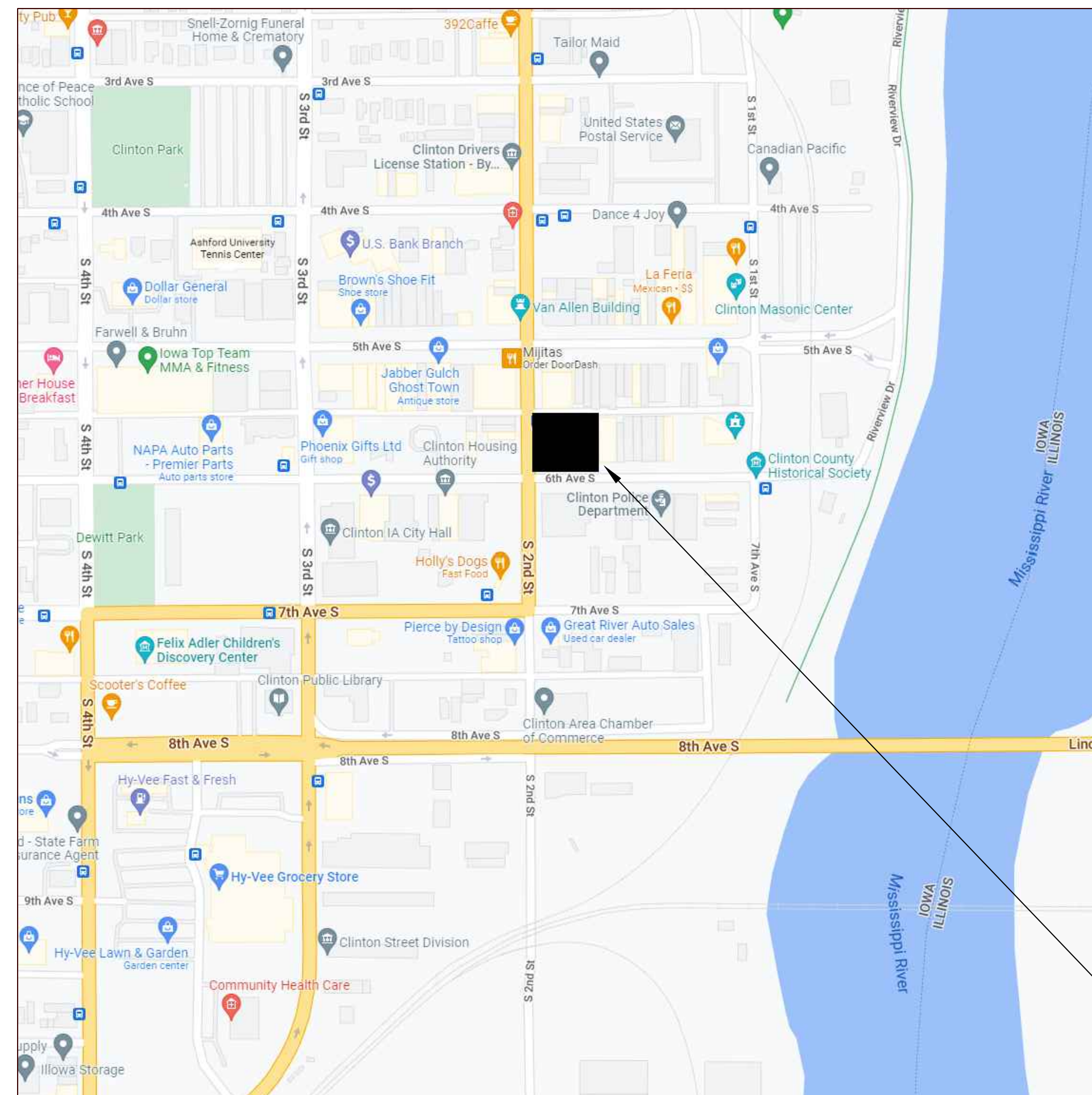
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**ALLIANT ENERGY COMPANY
(GAS & ELECTRIC)**
2001 BEAVER CHANNEL
CLINTON, IOWA 52732

CITY OF CLINTON (SEWER)
611 S. 3RD STREET
CLINTON, IOWA 52732

**IOWA AMERICAN WATER
COMPANY (WATER)**
5201 GRAND AVENUE
CLINTON, IOWA 52805

MEDIACOM (CABLE)
3900 26TH AVENUE
MOLINE, ILLINOIS 61265



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

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EXISTING SITE AND REMOVAL PLAN	C-3
PROPOSED SITE LAYOUT	C-4
TRADITIONAL GRADING	C-5.1
TRADITIONAL SITE PAVING PLAN & QUANTITIES	C-5.2
TRADITIONAL UTILITIES & STORM SEWER	C-5.3
PERMEABLE GRADING	C-6.1
PERMEABLE SITE PAVING PLAN & QUANTITIES	C-6.2
PERMEABLE UTILITIES & STORM SEWER	C-6.3
BIO CELL GRADING	C-7.1
BIO CELL SITE PAVING PLAN & QUANTITIES	C-7.2
BIO CELL UTILITIES & STORM SEWER	C-7.3

— SITE LOCATION

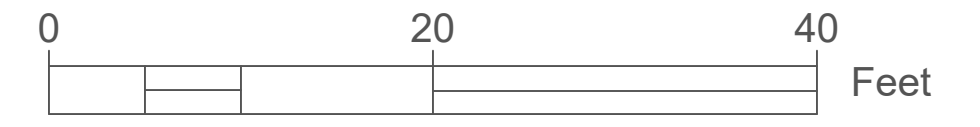
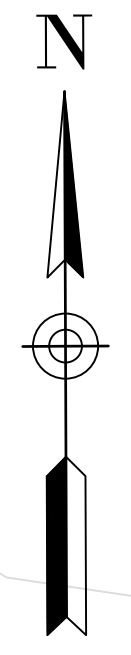
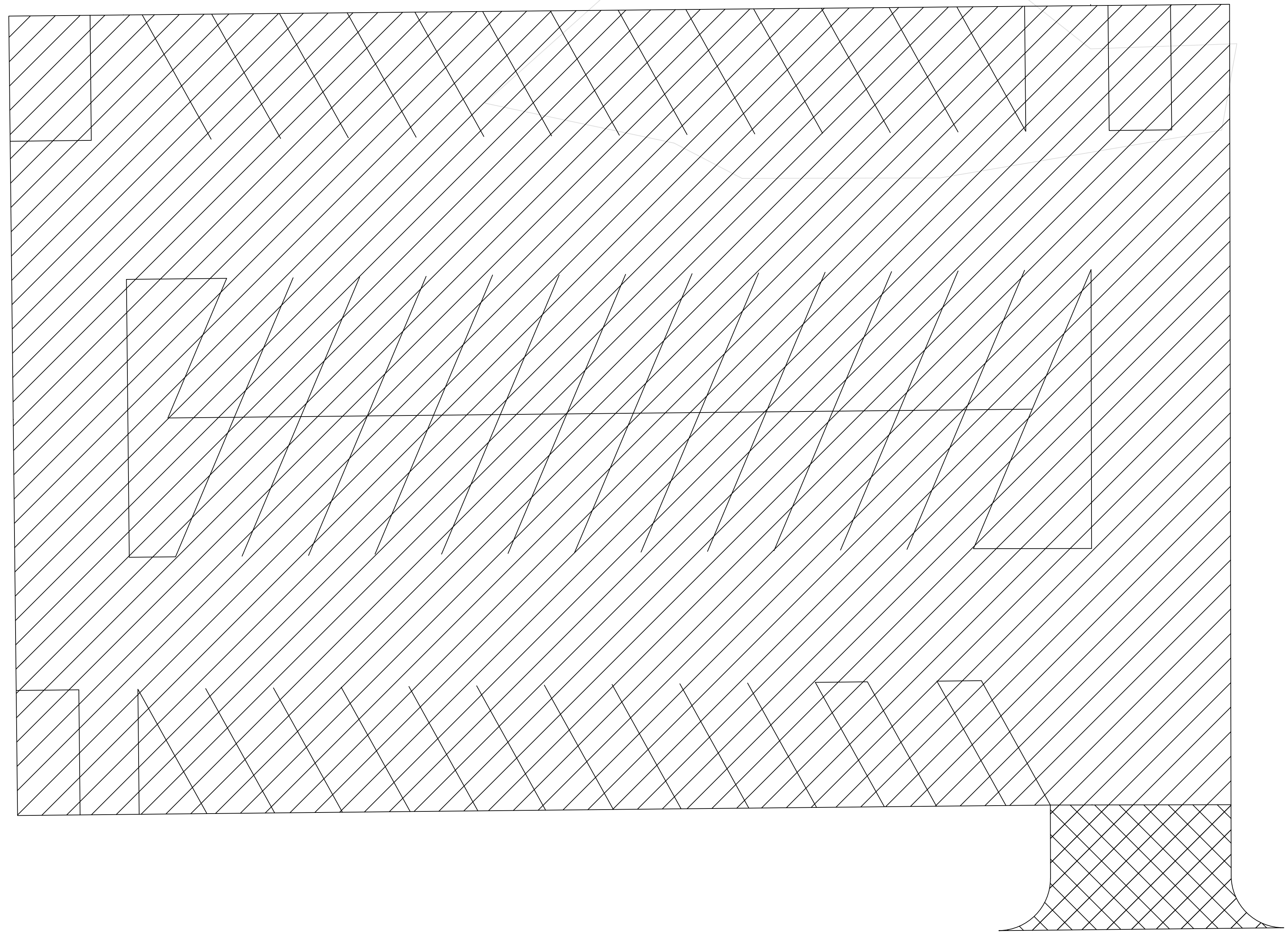
OWNER/DEVELOPER
CITY OF CLINTON
611 S. 3RD STREET
CLINTON, IOWA 52732

LAST REVISED 4/20/2022

South 2nd Street

Legend

-  - PCC Pavement Removal
-  - PCC Drive Removal



PROJECT:	RFP-05SPRING2022
DATE :	4/20/2022
DRAWN BY:	RB
REVISION:	

THE UNIVERSITY OF IOWA
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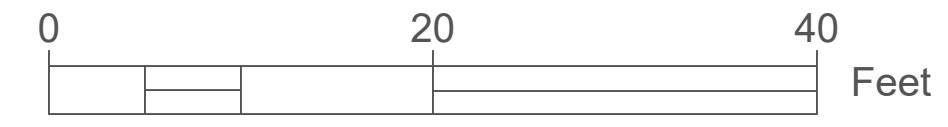
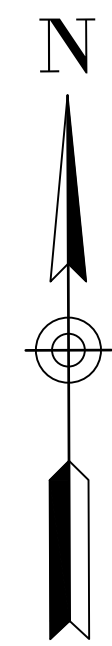
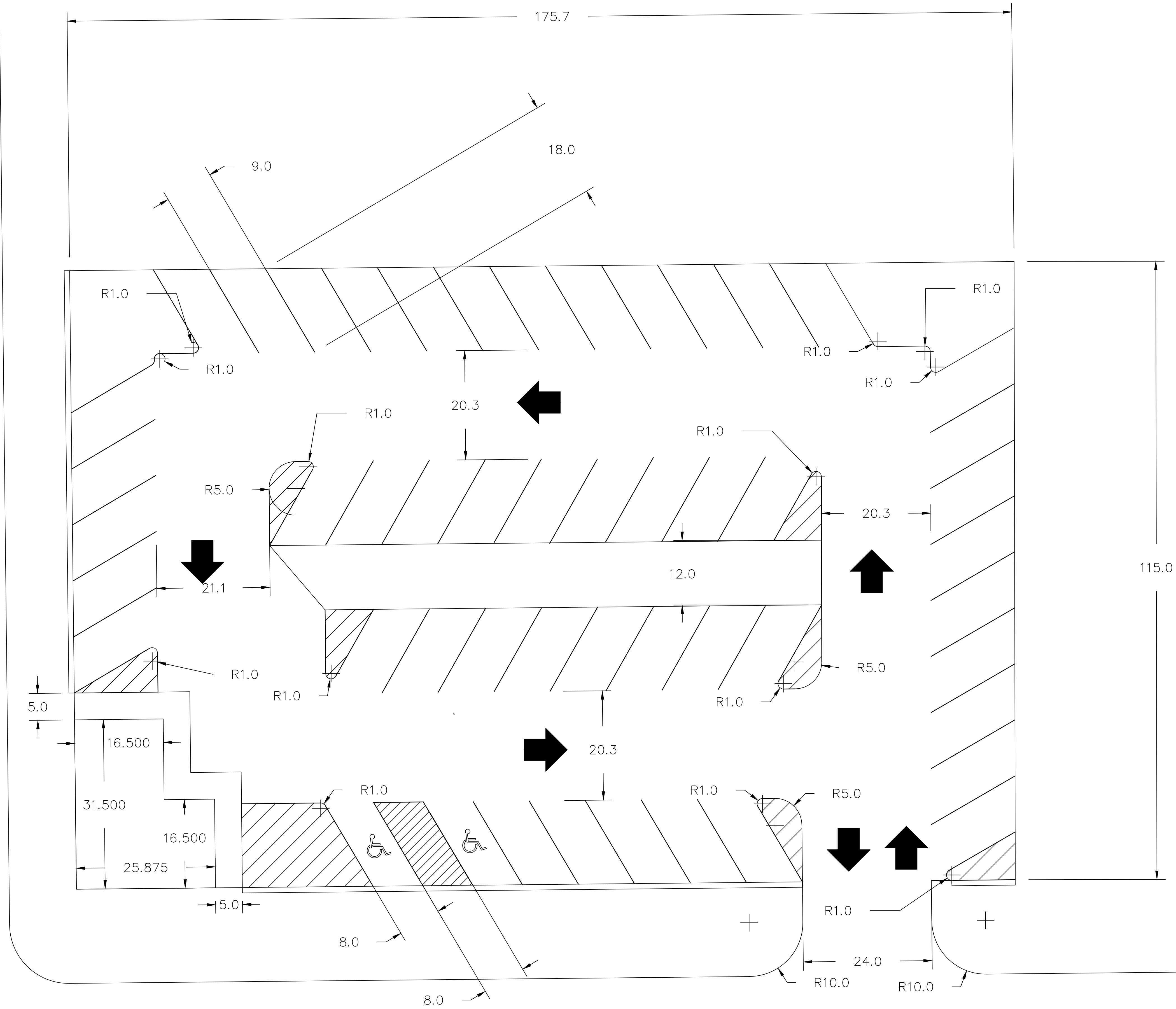
Clinton Parking Redesign

Goldfinch Lot
Clinton Iowa

SHEET NAME
Goldfinch Lot
Removals

SHEET NO.
C-3

South 2nd Street



PROJECT:	RFP-05SPRING2022
DATE :	4/20/2022
DRAWN BY:	RB
REVISION:	

THE UNIVERSITY OF IOWA
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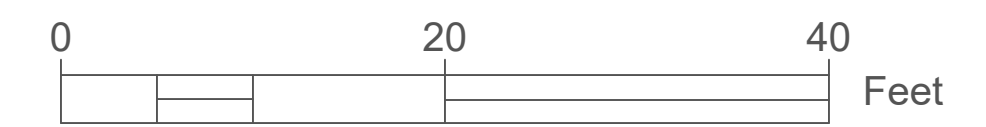
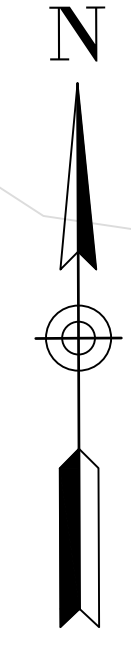
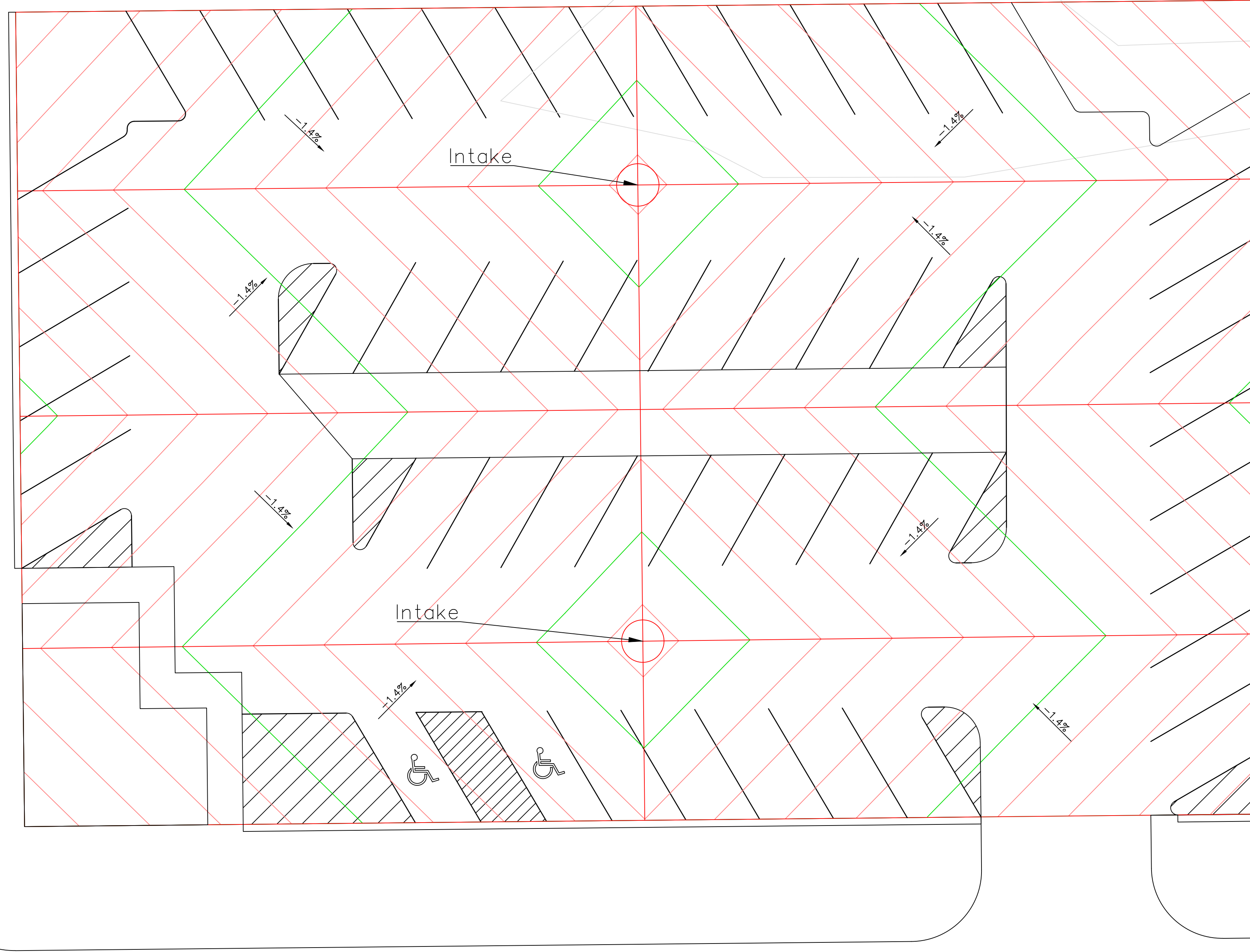
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Clinton Parking Redesign
Goldfinch Lot
Clinton Iowa

SHEET NAME
Goldfinch Lot Site Layout

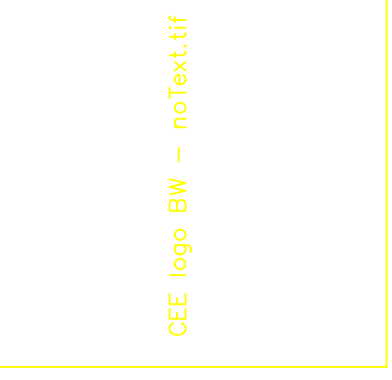
SHEET NO.
C-4

South 2nd Street



PROJECT:	RFP-05SPRINGS2022
DATE :	4/20/2022
DRAWN BY:	RB
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Clinton Parking Redesign

Goldfinch Lot
Clinton Iowa

SHEET NAME
Traditional
Grading Plan

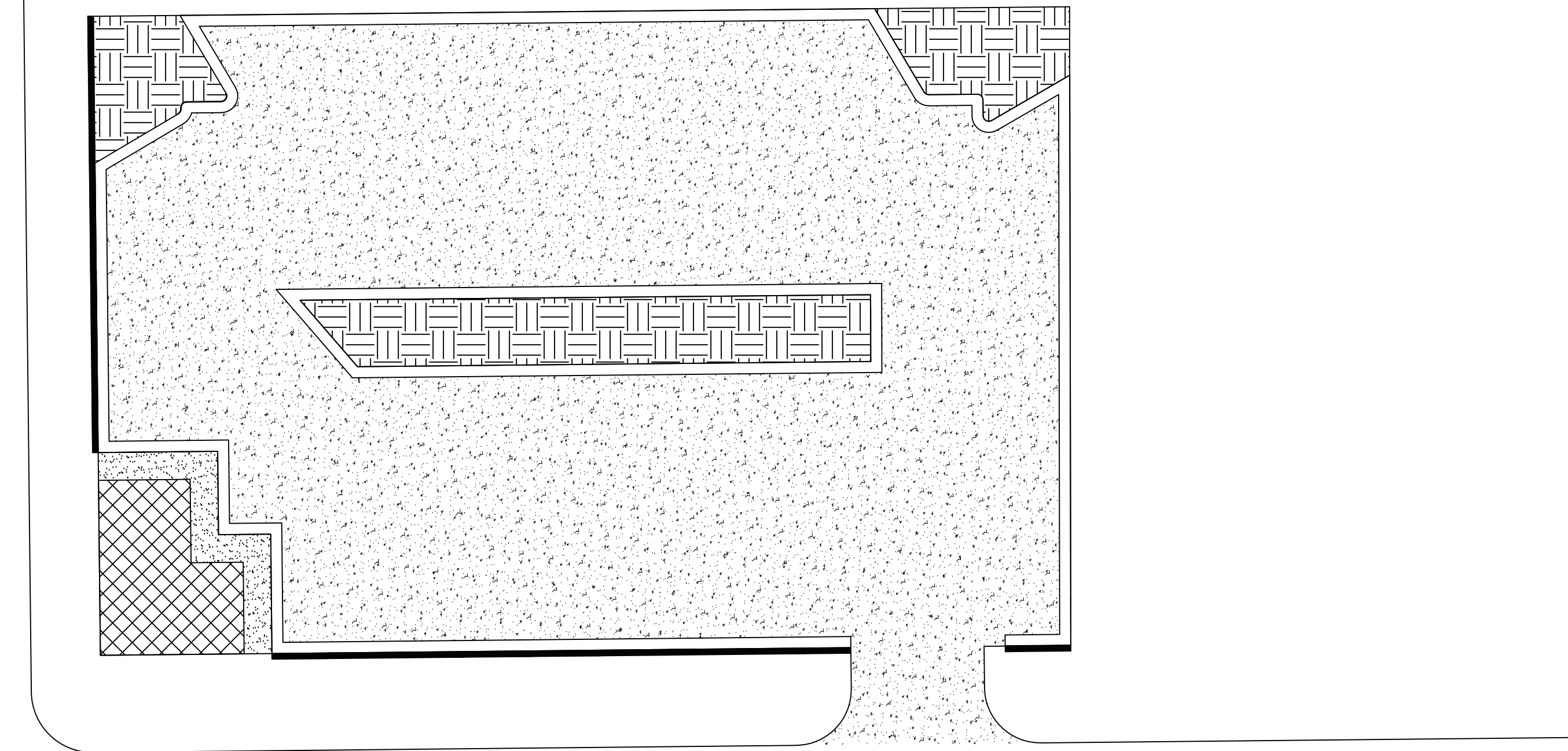
SHEET NO.
C-5.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	2245
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	.0477
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	1776.17
6	PCC Sidewalk, 4"	SY	34.67
7	Area Intake	EA	2
8	PVC Storm Sewer Pipe, 8"	LF	64.5
9	PVC Storm Sewer Pipe, 12"	LF	100
10	6" PCC Curb & Gutter, 24"	LF	781.04
11	ADA Parking Sign	EA	2
12	Traffic Control	LS	1
13	Light Poles and Fixtures	EA	4
14	Topsoil Backfill, 6"	CY	38.5
15	Green Fencing	LF	194.5
16	Parking Lot Name Sign	EA	1
17	Excavation Class 10 Waste	CY	592.05
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	PCC Pavement, 6" on Granular Subbase, 12"	SY	-1776.17
2	HMA Pavement, 6" on Granular Subbase, 12"	TON	599.46

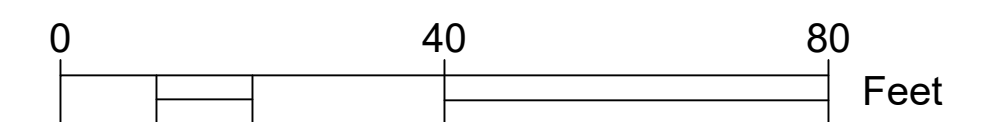
South 2nd Street

Legend

-  – Proposed New MTA Building Footprint
-  – Proposed Sidewalk
-  – Proposed Island Areas
-  – Proposed Fencing
-  – Proposed New Pavement (HMA or PCC)
-  – Proposed New Curb and Gutter 6" x 24" (h x w)

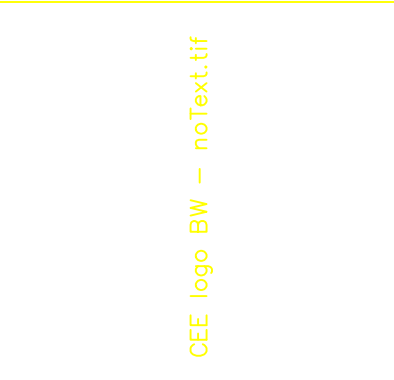


6th Ave South



PROJECT:	RFP-05SPRING2022
DATE :	4/20/2022
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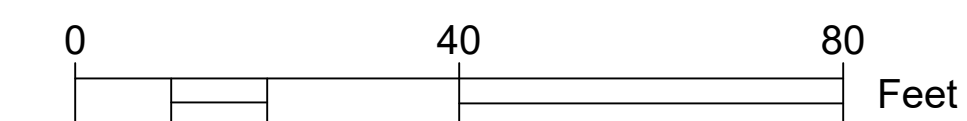
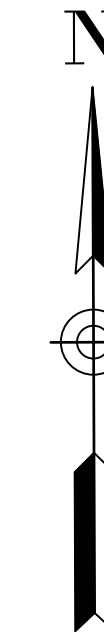
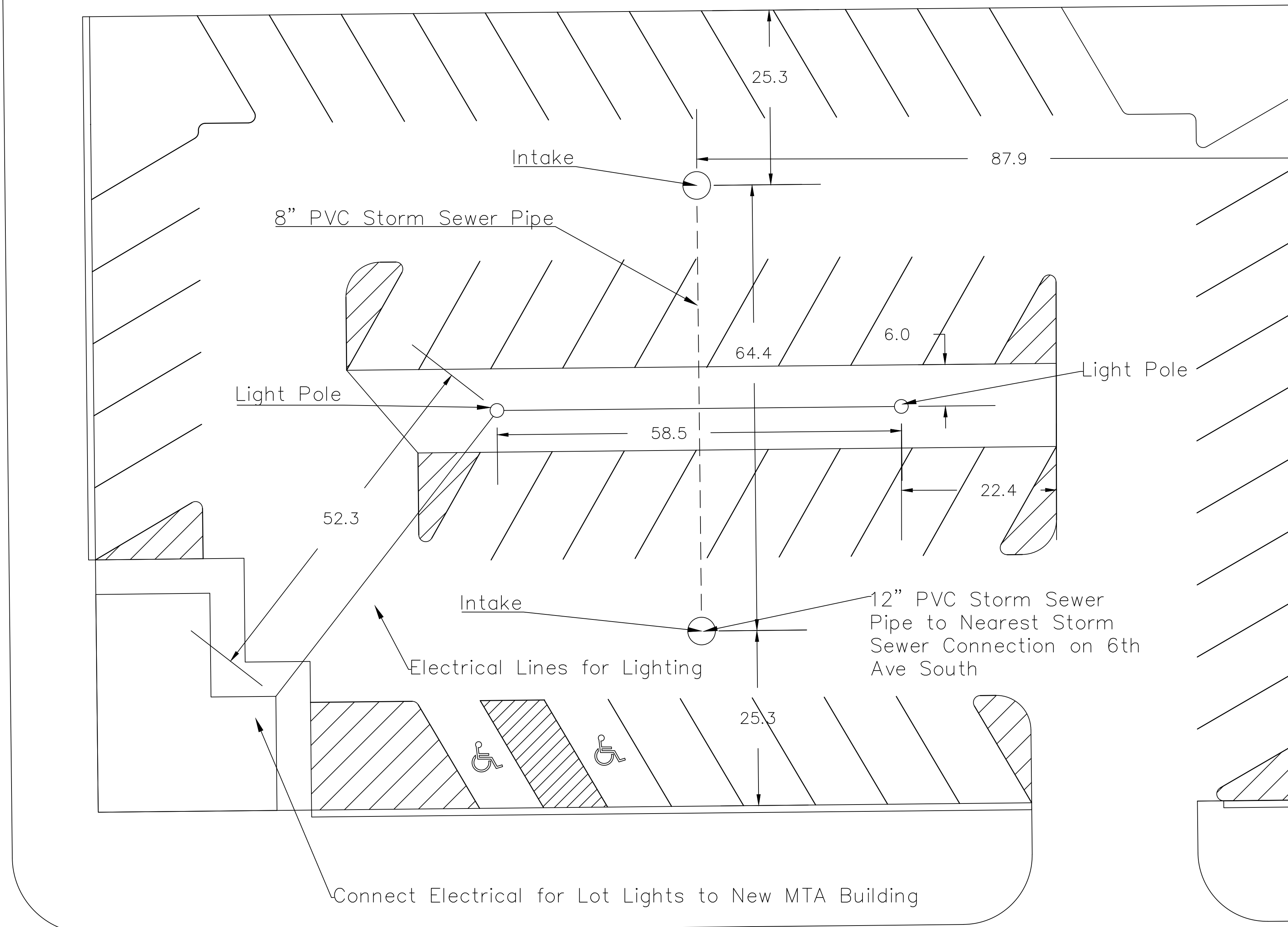
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Clinton Parking Redesign
 Goldfinch Lot
 Clinton Iowa

SHEET NAME
 Goldfinch Lot
 Paving Plan

SHEET NO.
C-5.2

South 2nd Street



PROJECT:	RFP-05SPRING2022
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Clinton Parking Redesign

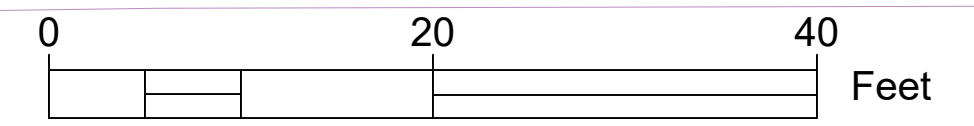
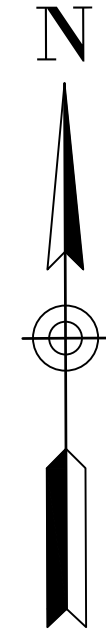
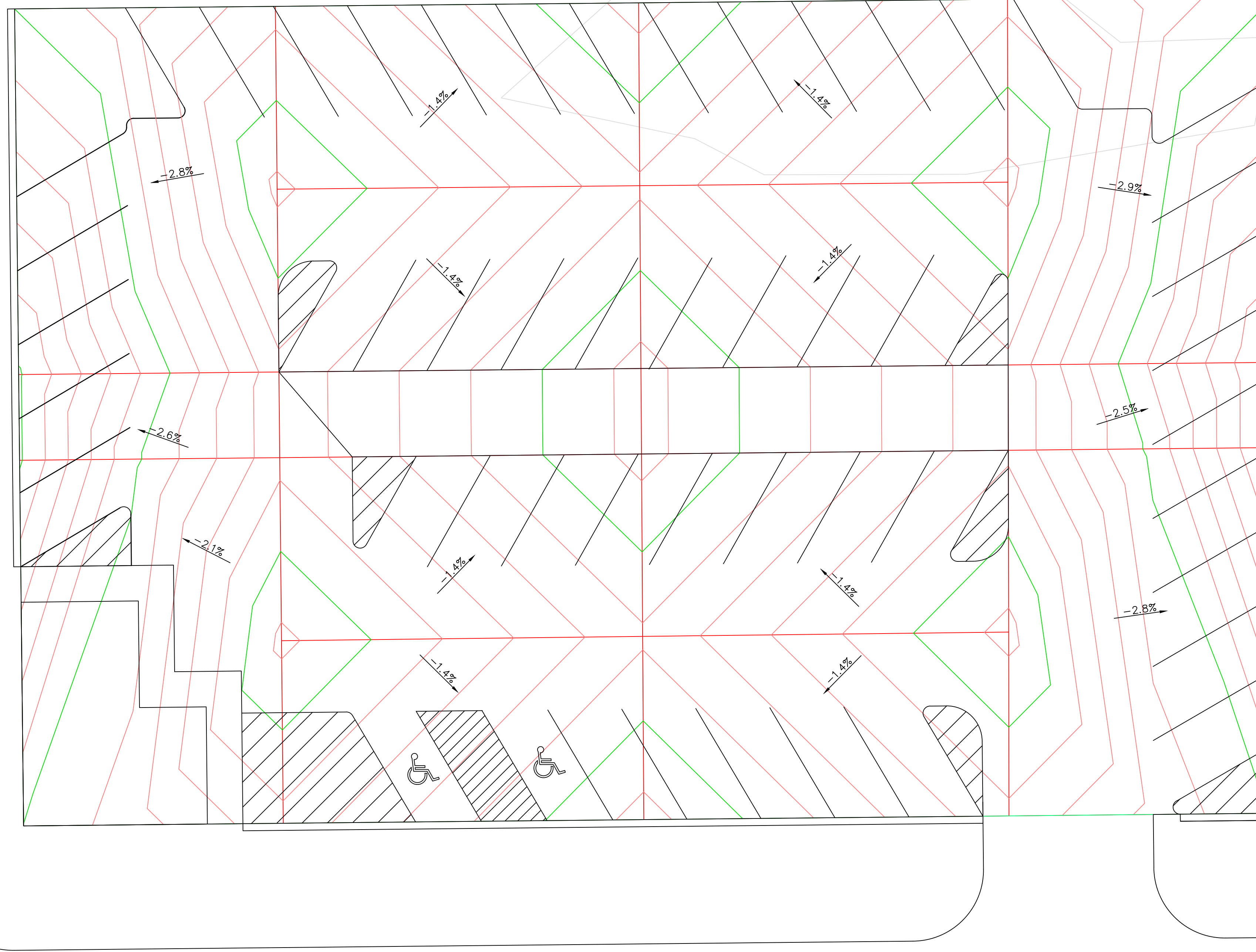
Goldfinch Lot
Clinton Iowa

SHEET NAME
Traditional Utilities

SHEET NO.
C-5.3

South 2nd Street

6th Ave South



PROJECT:	RFP-05-SPRING2022
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Goldfinch Lot
Clinton Iowa


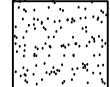
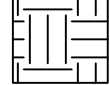


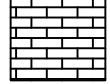

SHEET NAME
Permeable
Grading Plan

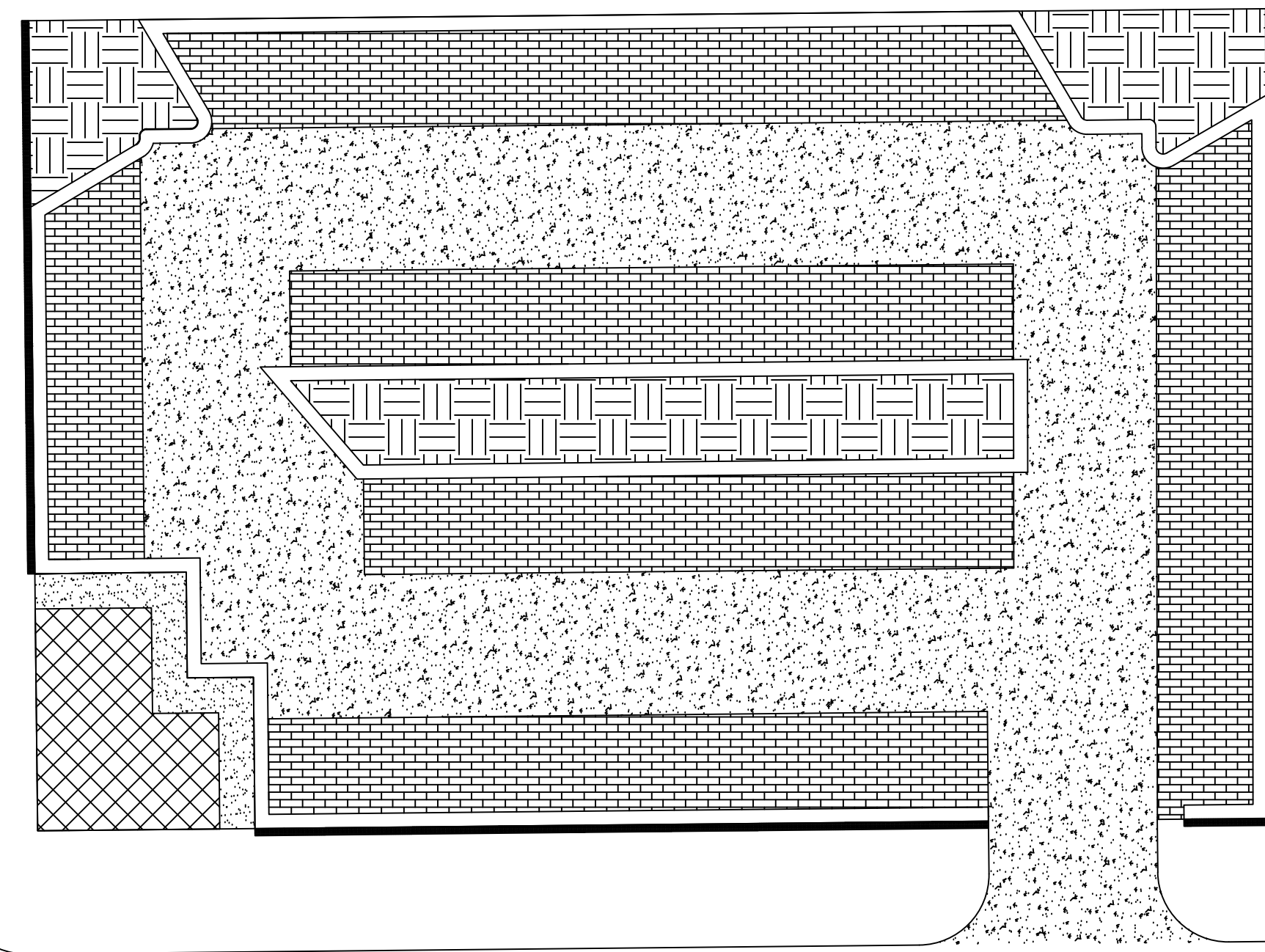
SHEET NO.
C-6.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	2245
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	.0477
4	Mobilization	LS	1
5	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	924.28
6	PCC Sidewalk, 4"	SY	34.67
7	Permeable Pavers – Including Subbase	SY	851.88
8	Perforated Subdrain, 6"	LF	579.12
9	Subdrain, 6"	LF	279.51
10	PVC Storm Sewer, 8"	LF	89.9
11	PVC Storm Sewer, 12"	LF	100
12	6" PCC Curb & Gutter, 24"	LF	781.04
13	ADA Parking Sign	EA	2
14	Traffic Control	LS	1
15	Light Poles and Fixtures	EA	2
16	Topsoil Backfill, 6"	CY	38.5
17	Green Fencing	LF	194.5
18	Parking Lot Name Sign	EA	1
19	Excavation Class 10 Waste	CY	308.09
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	-924.28
2	Drive Lane HMA Pavement, 6" on Granular Subbase, 12"	TON	311.94

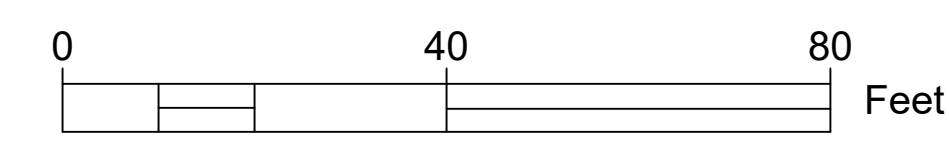
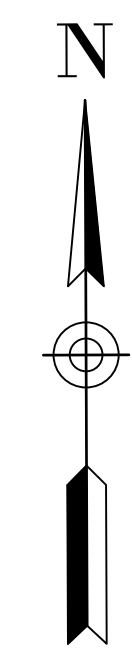
South 2nd Street

Legend

-  – Proposed New MTA Building Footprint
-  – Proposed Sidewalk
-  – Proposed Island Areas
-  – Proposed Fencing
-  – Proposed New Drive Lane Pavement (HMA or PCC)
-  – Proposed New Permeable Pavers
-  – Proposed New Curb and Gutter 6" x 24" (h x w)



6th Ave South



PROJECT: RFP-05-SPRING2022
DATE: 4/20/22
DRAWN BY: RB
REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
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103 S CAPITOL ST
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PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

CEE logo BW - noText.tif

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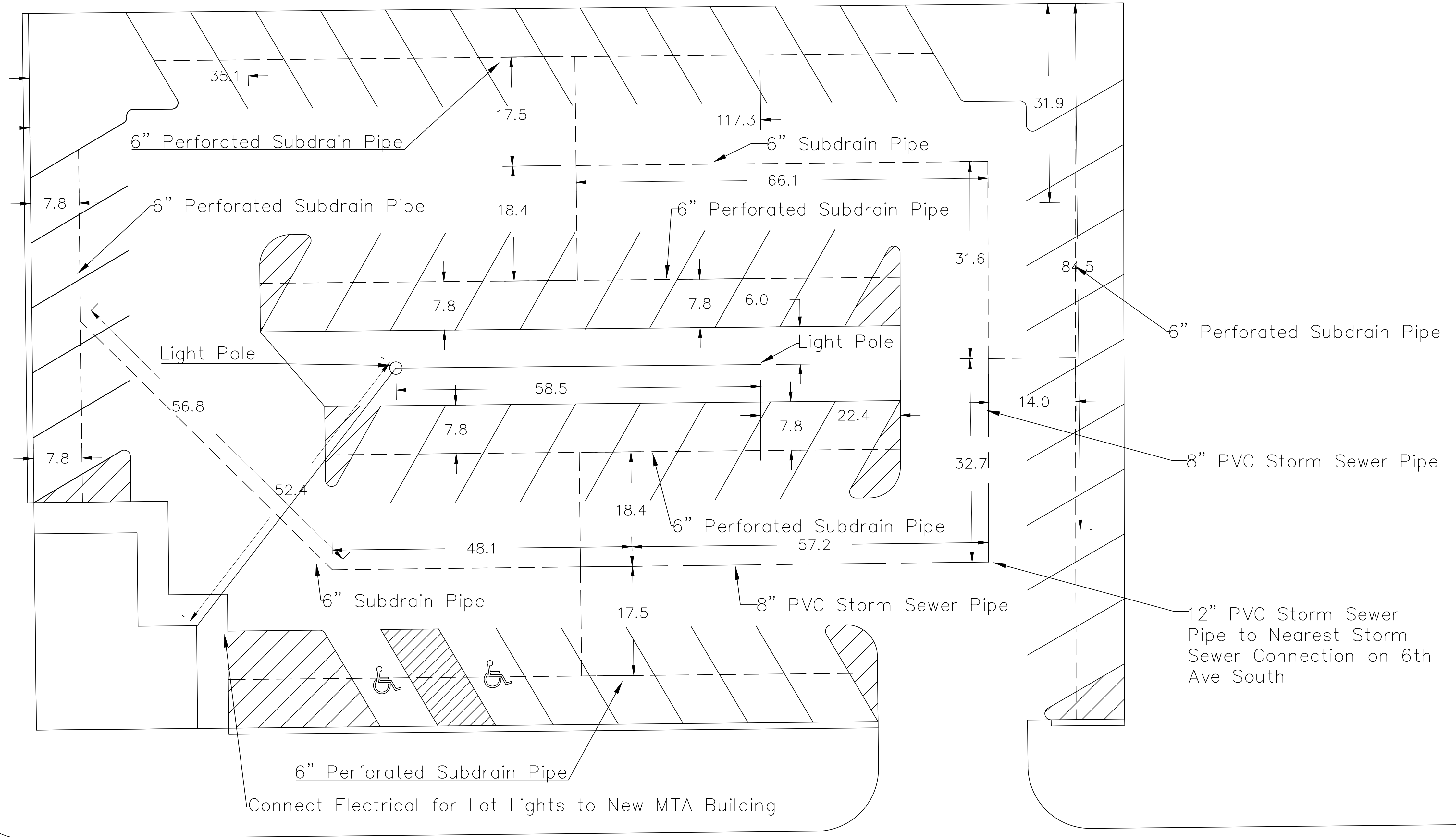
Clinton Parking Redesign

Goldfinch Lot
Clinton Iowa

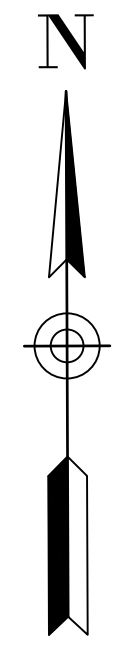
SHEET NAME
Goldfinch Lot Paving Quantities

SHEET NO.
C-6.2

South 2nd Street



6th Ave South



PROJECT:	RFP-05-SPRING2022
DATE :	4/20/22
DRAWN BY:	RB
REVISION:	

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Clinton Parking Redesign

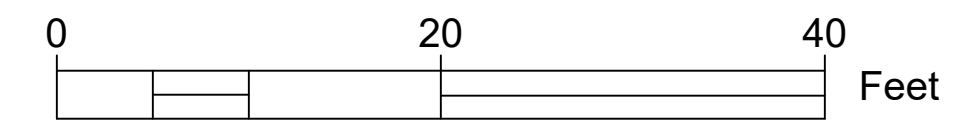
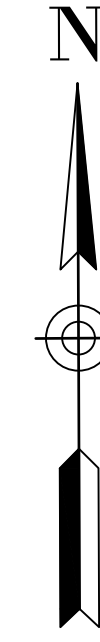
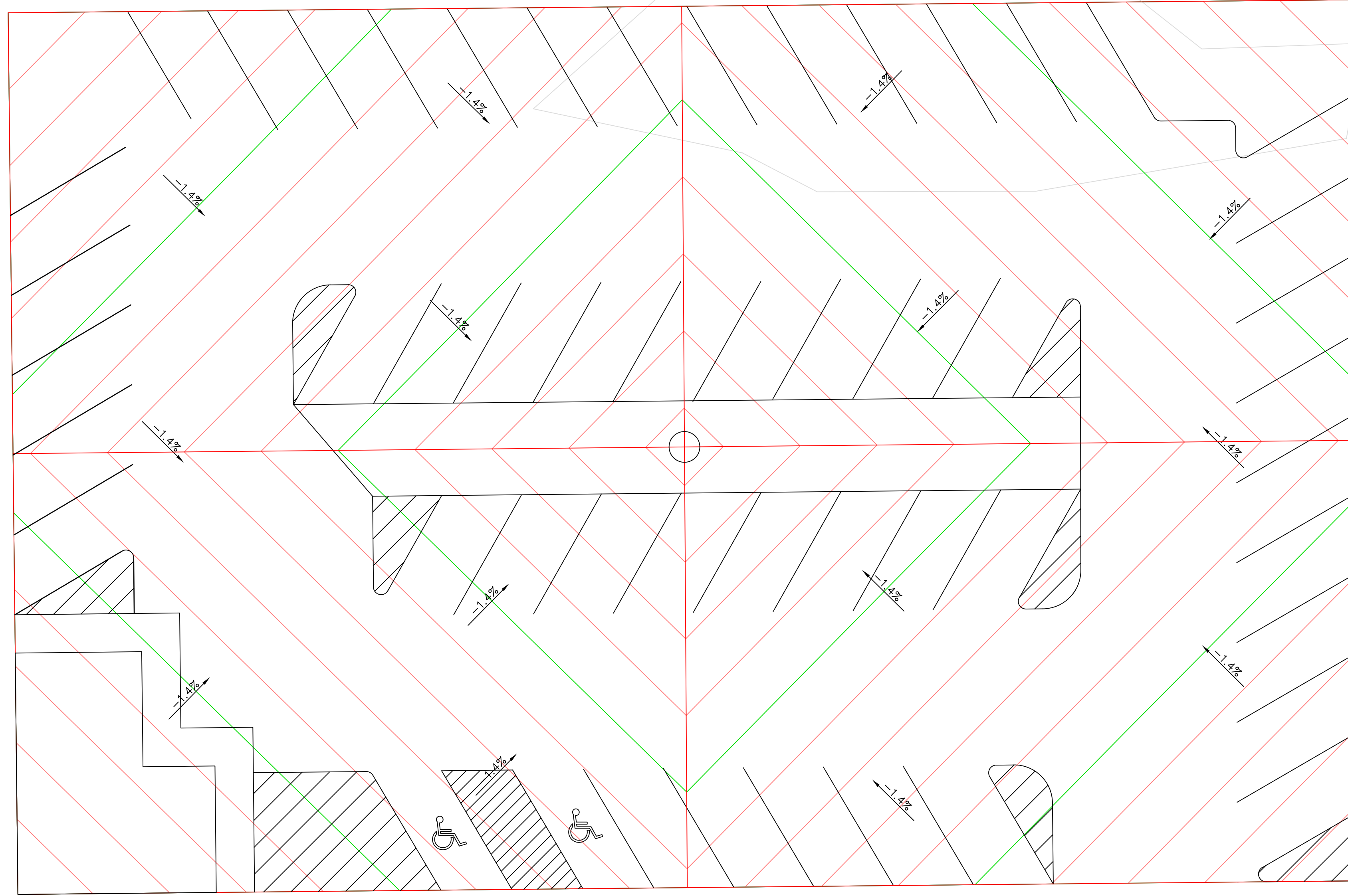
Goldfinch Lot
Clinton Iowa

SHEET NAME
Permeable Utilities

SHEET NO.
C-6.3

South 2nd Street

6th Ave South



PROJECT:	RFP-05SPRING2022
DATE :	4/20/22
DRAWN BY:	RB
REVISION:	

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Clinton Parking Redesign
 Goldfinch Lot
 Clinton Iowa

SHEET NAME
 Biocell
 Grading Plan

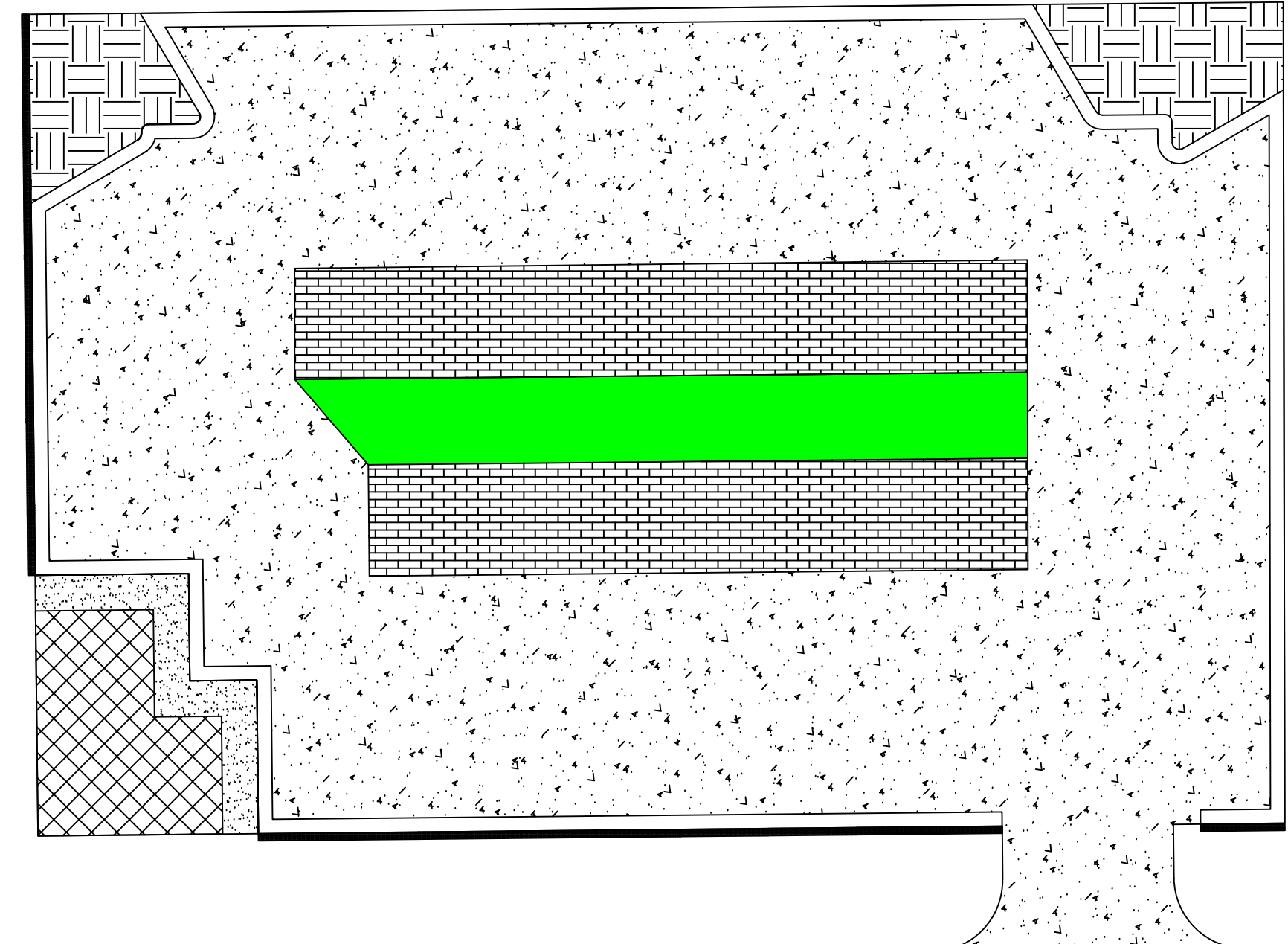
SHEET NO.
C-7.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	2245
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	.0477
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	1489.51
6	PCC Sidewalk, 4"	SY	34.67
7	Permeable Pavers – Including Subbase	SY	338.25
8	PVC Storm Sewer. 12"	LF	200
9	6" PCC Curb & Gutter, 24"	LF	558.18
10	ADA Parking Sign	EA	2
11	Traffic Control	LS	1
12	Light Poles and Fixtures	EA	2
13	Topsoil Backfill, 6"	CY	16.76
14	Green Fencing	LF	194.5
15	Parking Lot Name Sign	EA	1
16	Engineered Biocell	SY	130.44
17	Excavation Class 10 Waste	CY	496.5
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	PCC Pavement, 6" on Granular Subbase, 12"	SY	-1489.51
2	HMA Pavement, 6" on Granular Subbase, 12"	TON	502.6

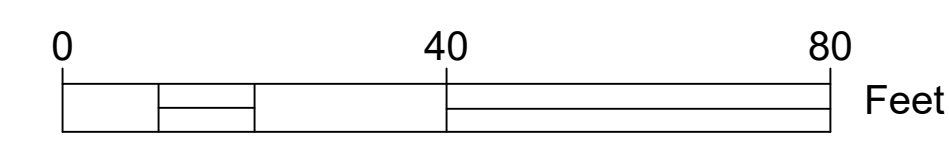
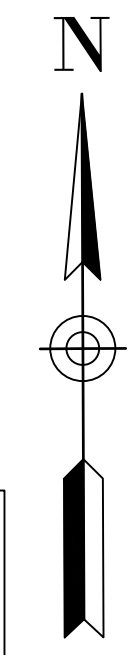
South 2nd Street

Legend

-  – Proposed New MTA Building Footprint
-  – Proposed Sidewalk
-  – Proposed Island Areas
-  – Proposed Fencing
-  – Proposed New Drive Lane Pavement (HMA or PCC)
-  – Proposed New Permeable Pavers
-  – Proposed New Biocell
-  – Proposed New Curb and Gutter 6" x 24" (h x w)



6th Ave South



PROJECT:	RFP-05-SPRING2022
DATE :	4/20/22
DRAWN BY:	RB
REVISION:	

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Clinton Parking Redesign

Goldfinch Lot
Clinton Iowa

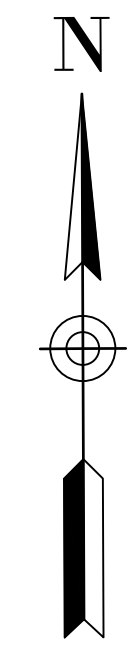
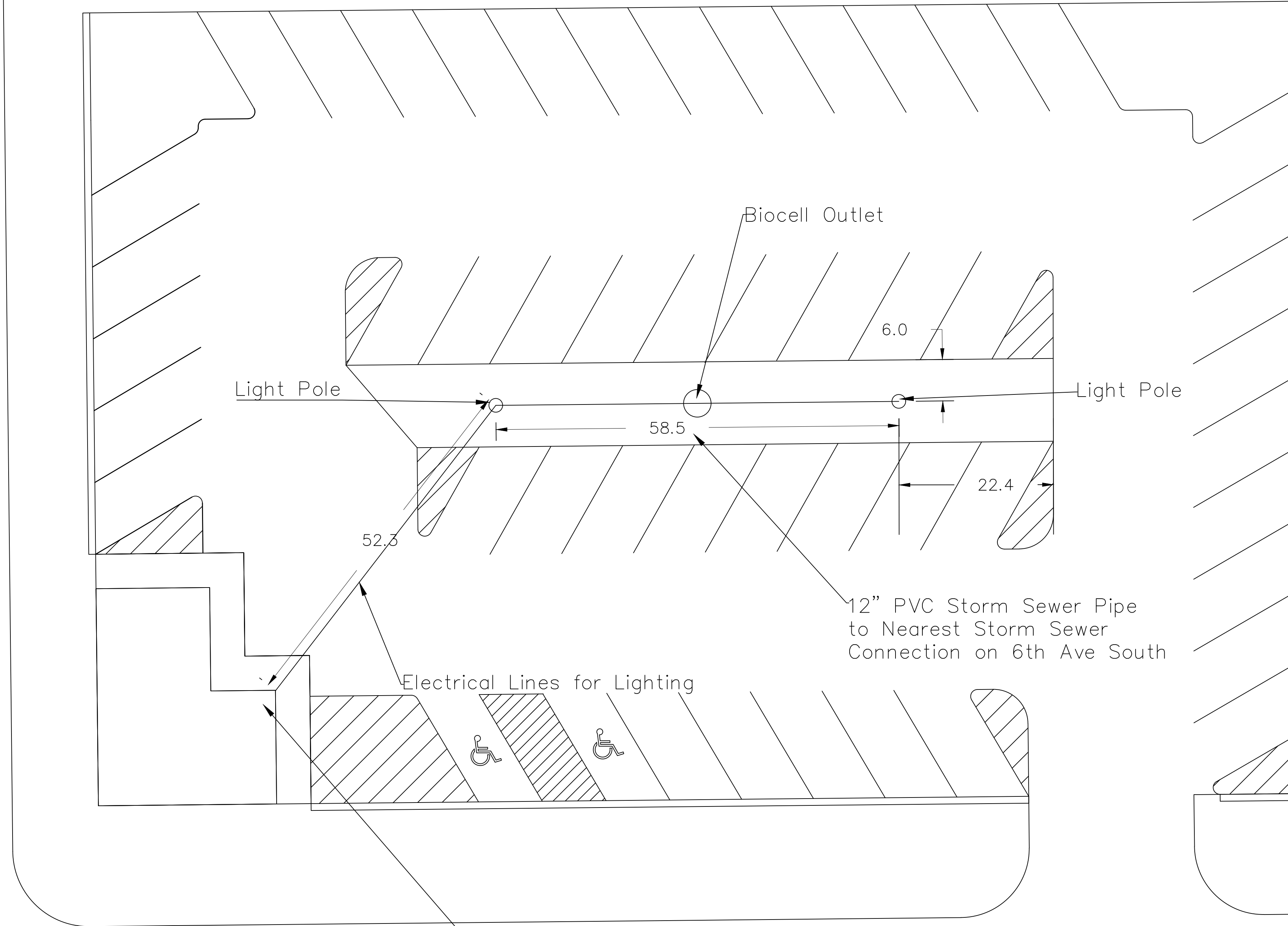
SHEET NAME
Goldfinch Lot Paving Quantities

SHEET NO.
C-7.2

South 2nd Street

Connect Electrical for Lot Lights to New MTA Building

6th Ave South



PROJECT:	RFP-05SPRING2022
DATE :	4/20/22
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REVISION:	

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Clinton Parking Redesign
 Goldfinch Lot
 Clinton Iowa

SHEET NAME
 Biocell
 Utilities

SHEET NO.
C-7.3

ORIOLE PARKING REDESIGN

Clinton, Iowa

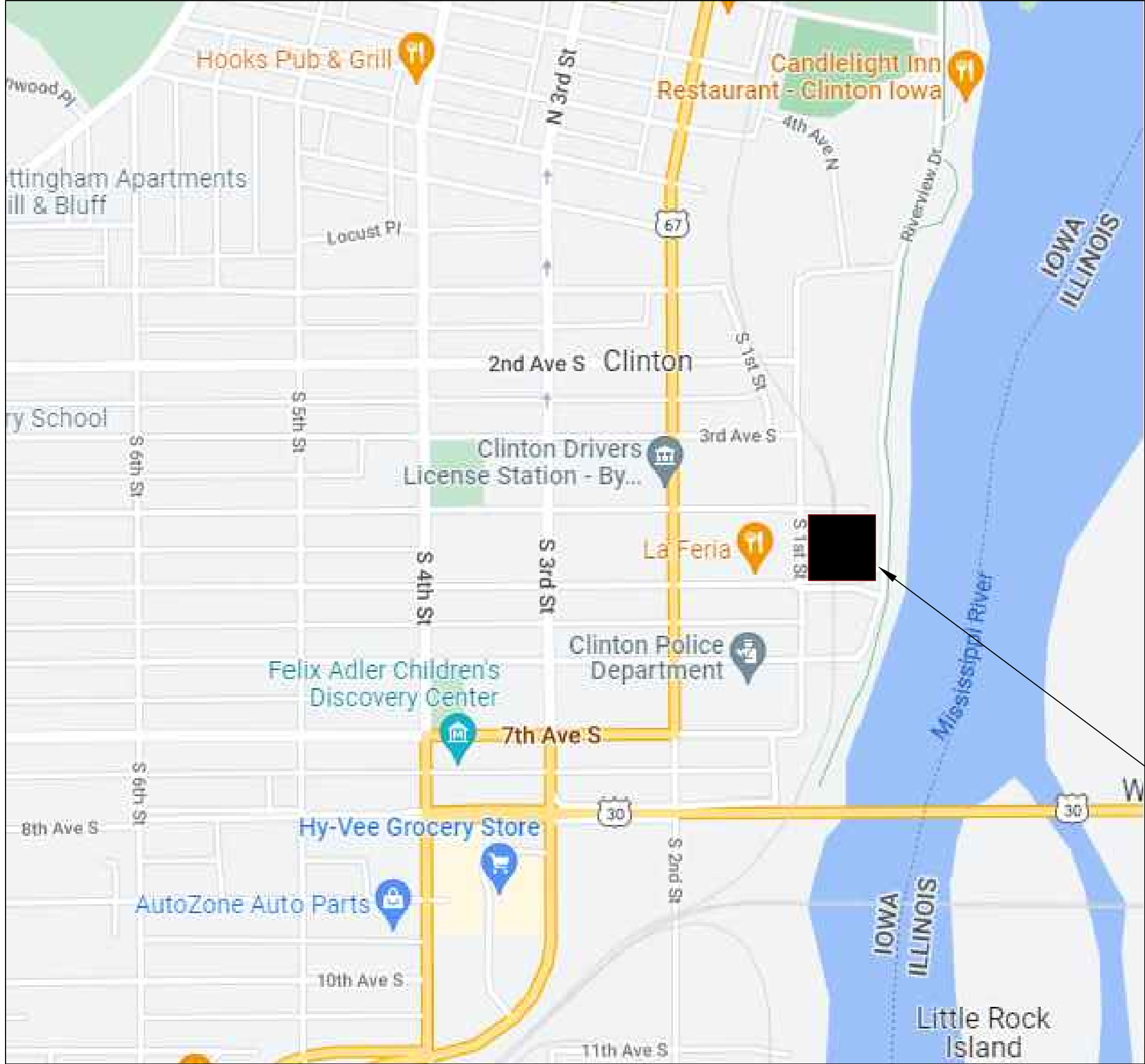
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**ALLIANT ENERGY COMPANY
(GAS & ELECTRIC)**
2001 BEAVER CHANNEL
CLINTON, IOWA 52732

CITY OF CLINTON (SEWER)
611 S. 3RD STREET
CLINTON, IOWA 52732

**IOWA AMERICAN WATER
COMPANY (WATER)**
5201 GRAND AVENUE
CLINTON, IOWA 52805

MEDIACOM (CABLE)
3900 26TH AVENUE
MOLINE, ILLINOIS 61265



VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER
CITY OF CLINTON
611 S. 3RD STREET
CLINTON, IOWA 52732

INDEX OF SHEETS

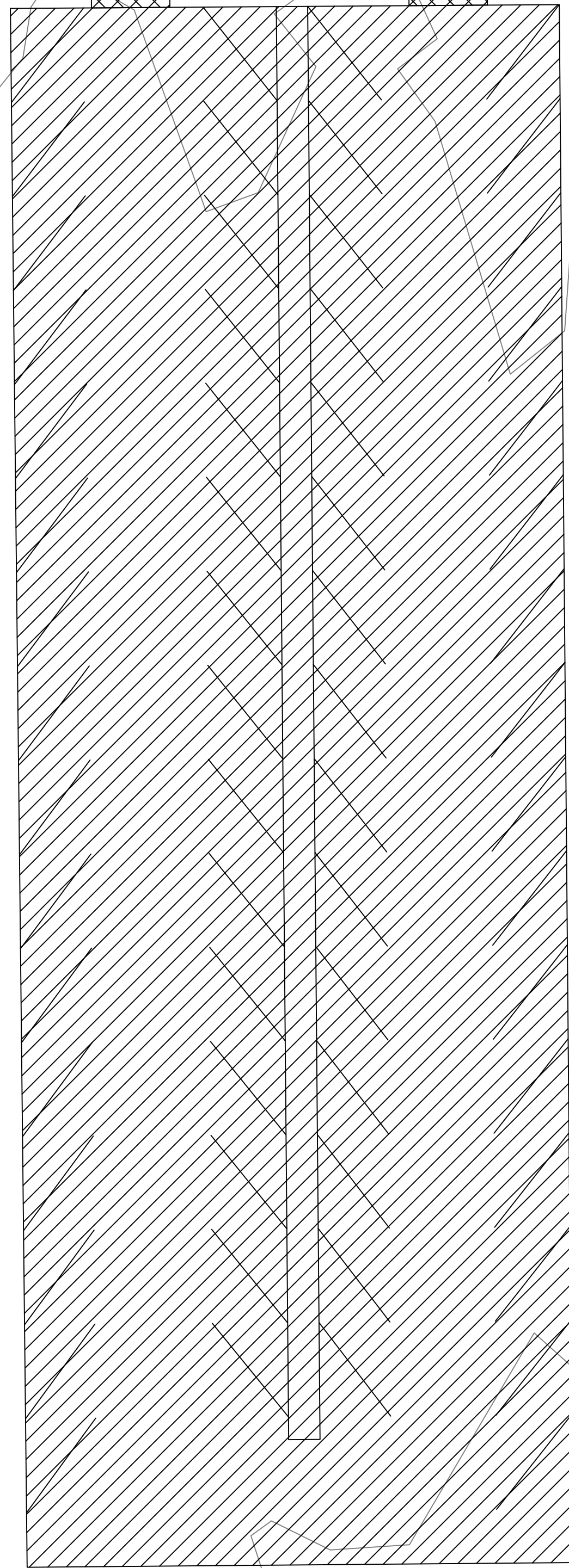
COVER SHEET	D-1
NOTES & LEGEND	D-2
EXIST SITE AND REMOVAL PLAN	D-3
SITE & UTILITY PLAN	D-4
GRADING & EROSION CONTROL	D-5
SITE PAVING PLAN & QUANTITIES	D-6
ADA RAMP DETAIL PLAN	D-7
DETAILS	D-8
ELECTRICAL	D-9

— SITE LOCATION

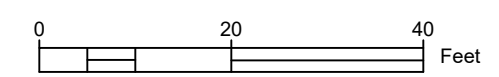
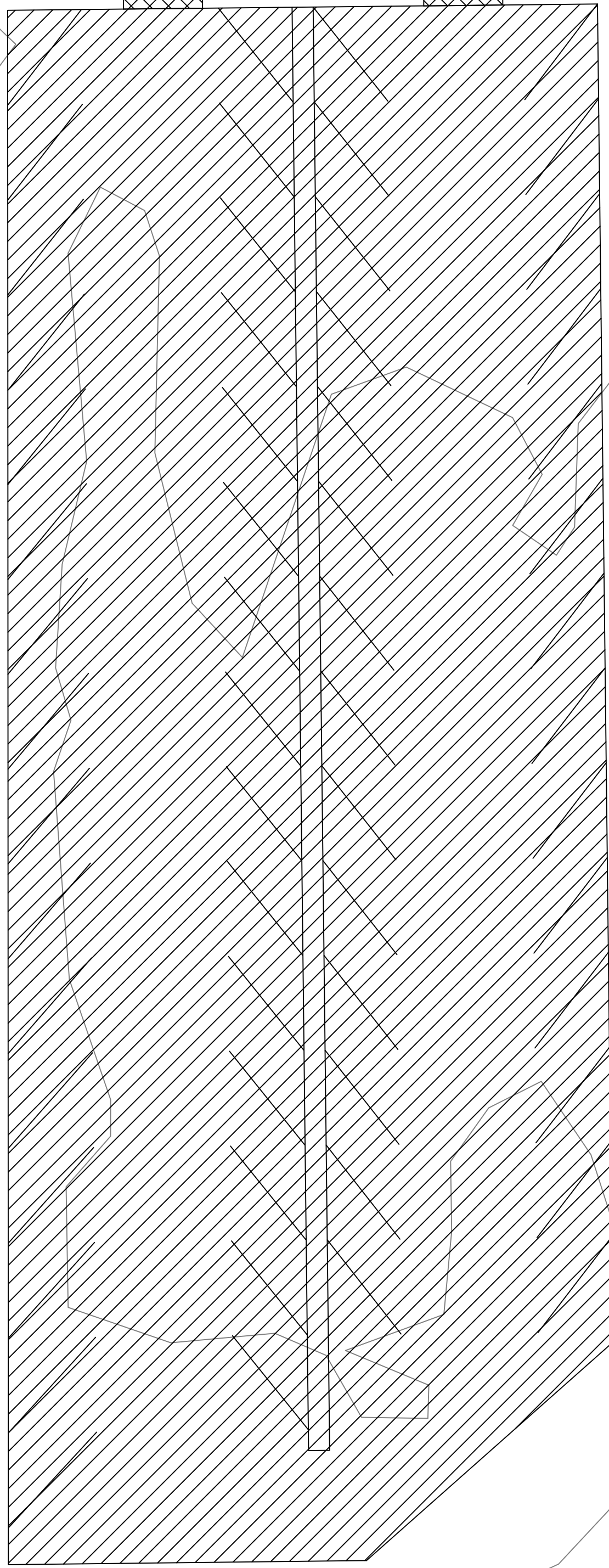
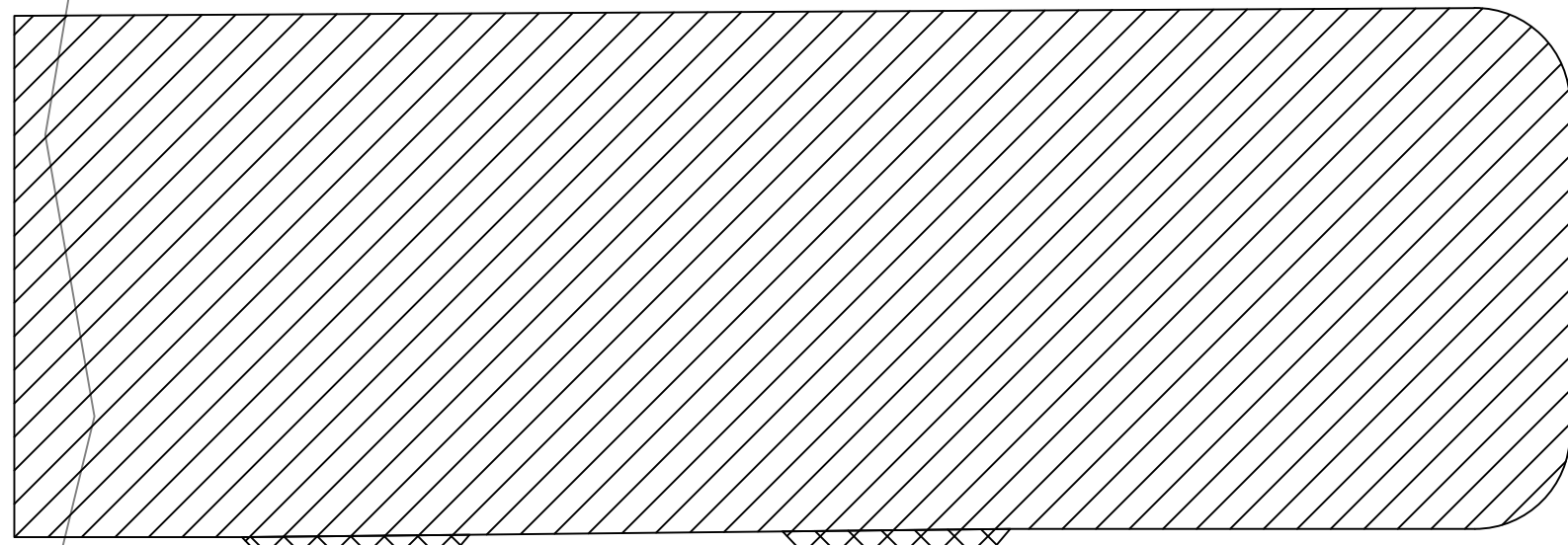
Legend

-  - PCC Pavement Removal
-  - PCC Drive Removal

S 1st St



5th Ave S



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
DRAWN BY:	DG
REVISION:	

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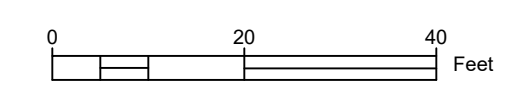
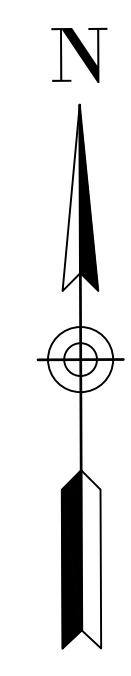
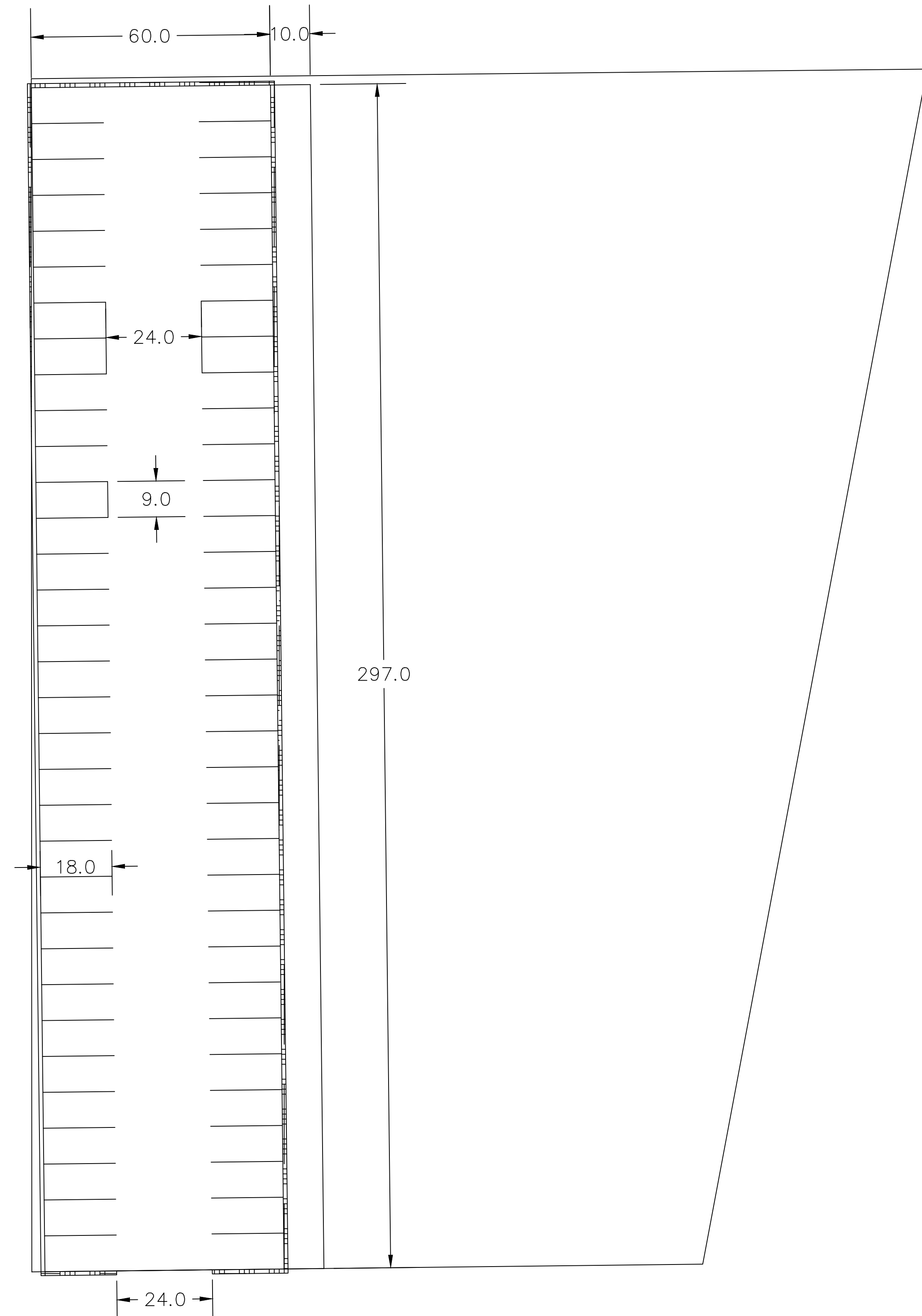
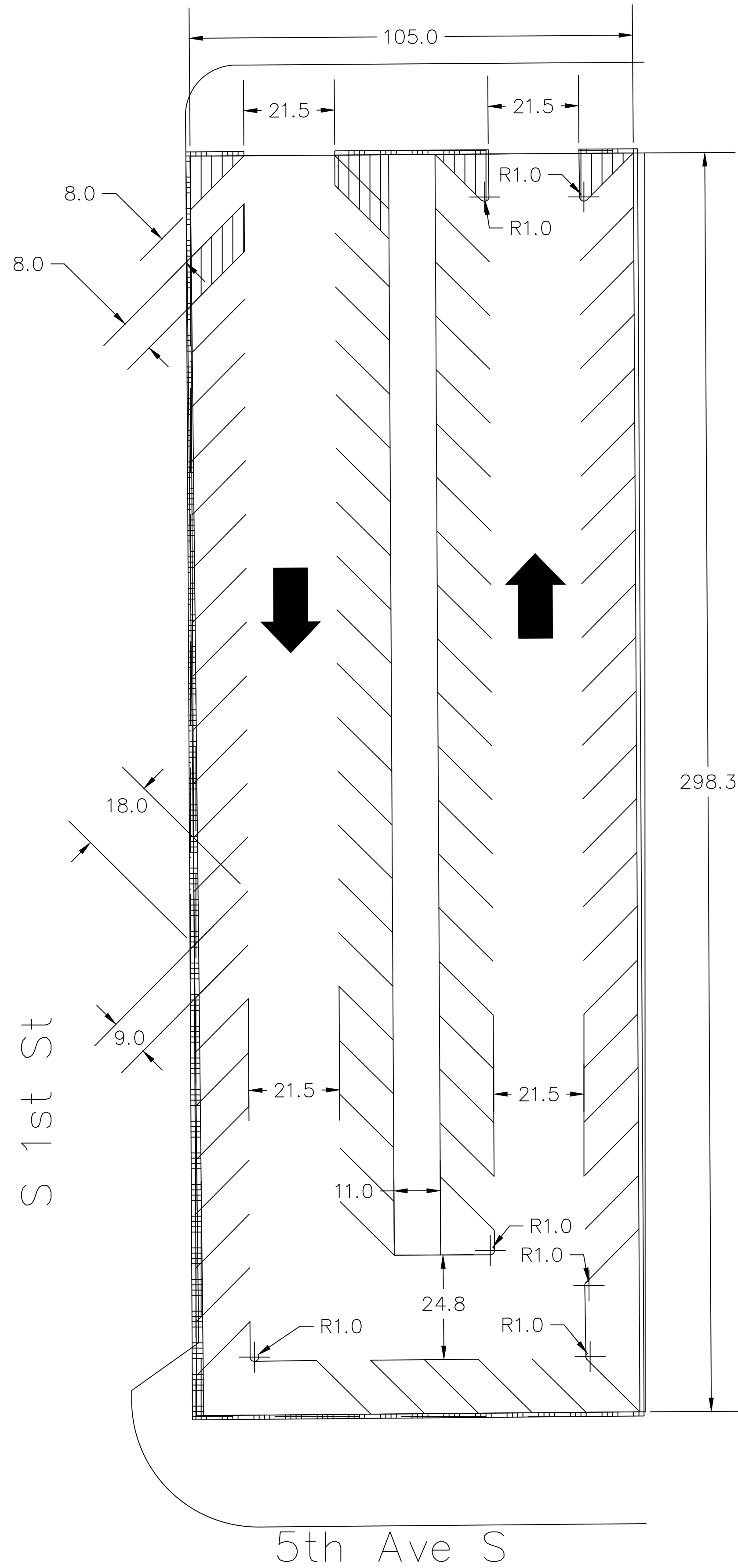
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Clinton Parking Redesign

Oriole Lot
Clinton Iowa

SHEET NAME
Oriole Lot
Removals

SHEET NO.
D-3



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
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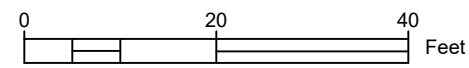
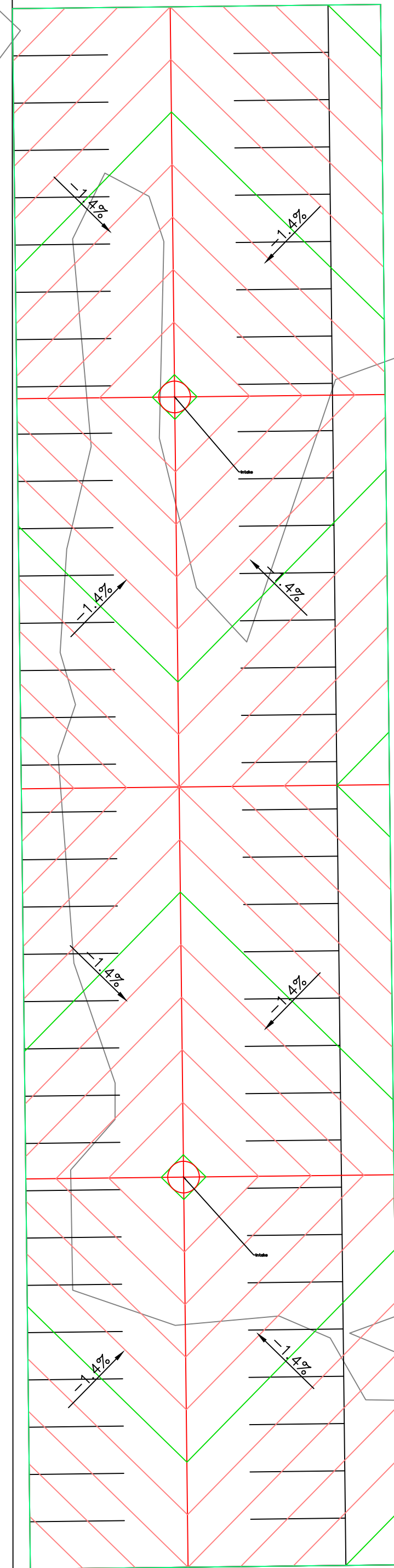
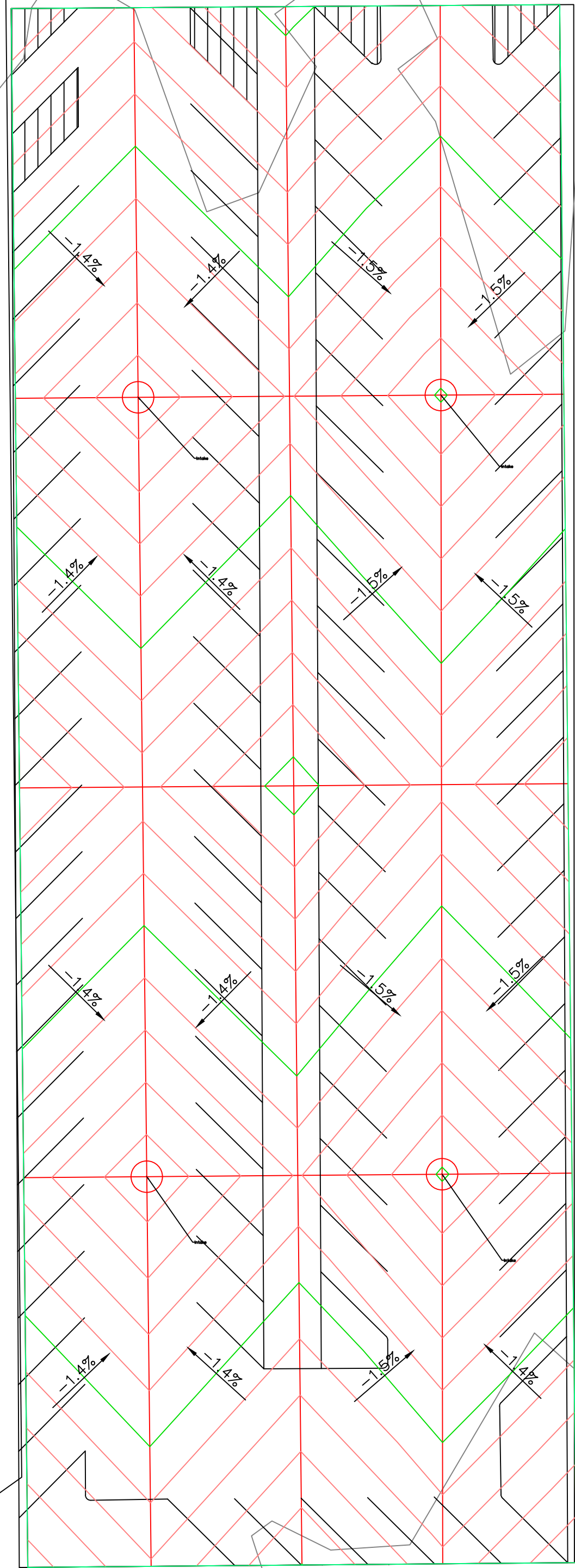
Clinton Parking Redesign
 Oriole Lot
 Clinton Iowa

SHEET NAME
 Oriole Lot
 Site Layout

SHEET NO.
D-4

S 1st St

5th Ave S



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
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Clinton Parking Redesign

Oriole Lot
 Clinton Iowa

SHEET NAME
 Traditional
 Grading Plan

SHEET NO.
D-5.1

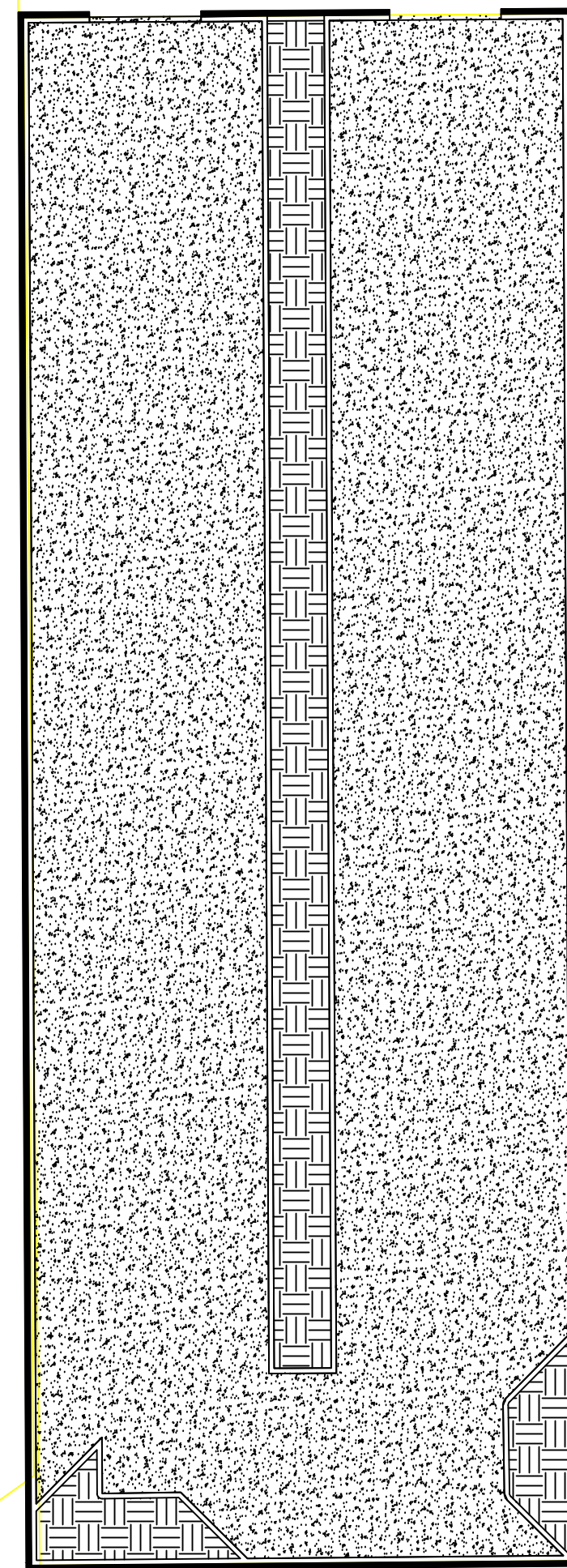
Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	8243
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.1448
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	4817.6
6	Area Intake	EA	6
7	PVC Storm Sewer Pipe, 8"	LF	561.4
8	PVC Storm Sewer Pipe, 12"	LF	99.0
9	6" PCC Curb & Gutter, 24"	LF	2095.4
10	ADA Parking Sign	EA	4
11	Traffic Control	LS	1
12	Light Poles and Fixtures	EA	18
13	Topsoil Backfill, 6"	CY	116.8
14	Green Fencing	LF	1476.0
15	Parking Lot Name Sign	EA	1

Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	PCC Pavement, 6" on Granular Subbase, 12"	SY	4817.6
2	HMA Pavement, 6" on Granular Subbase, 12"	SY	4817.6

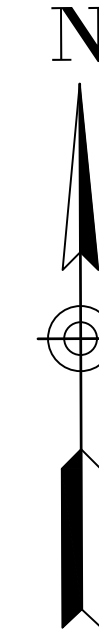
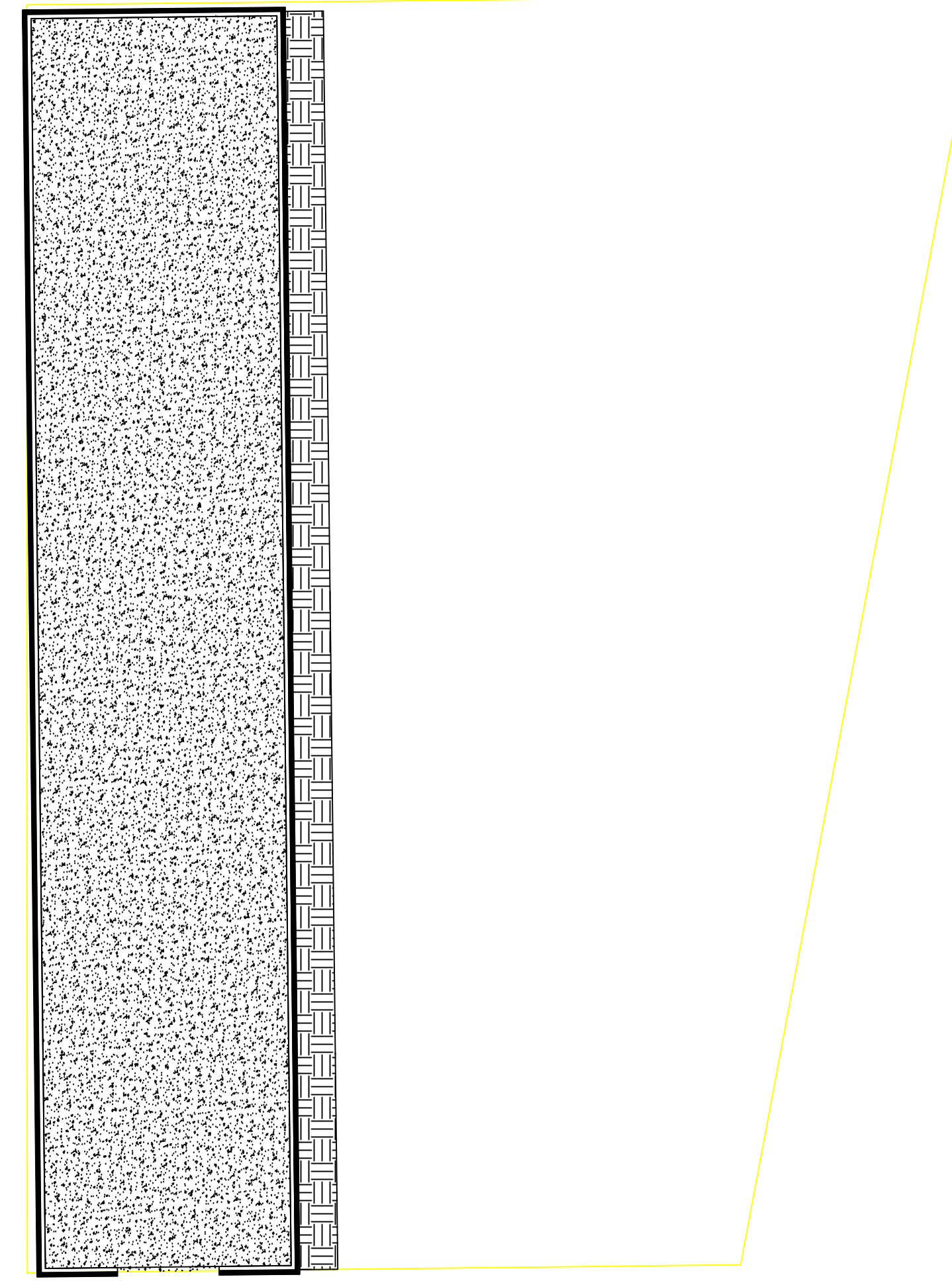
Legend	
	- Proposed Island Areas
	- Proposed Fencing
	- Proposed New Pavement (HMA or PCC)
	- Proposed New Curb and Gutter 6" x 24" (h x w)

147 Regular Spots

S 1st St



5th Ave S



PROJECT: RFP-05SPRING2022
DATE : 5/02/2022
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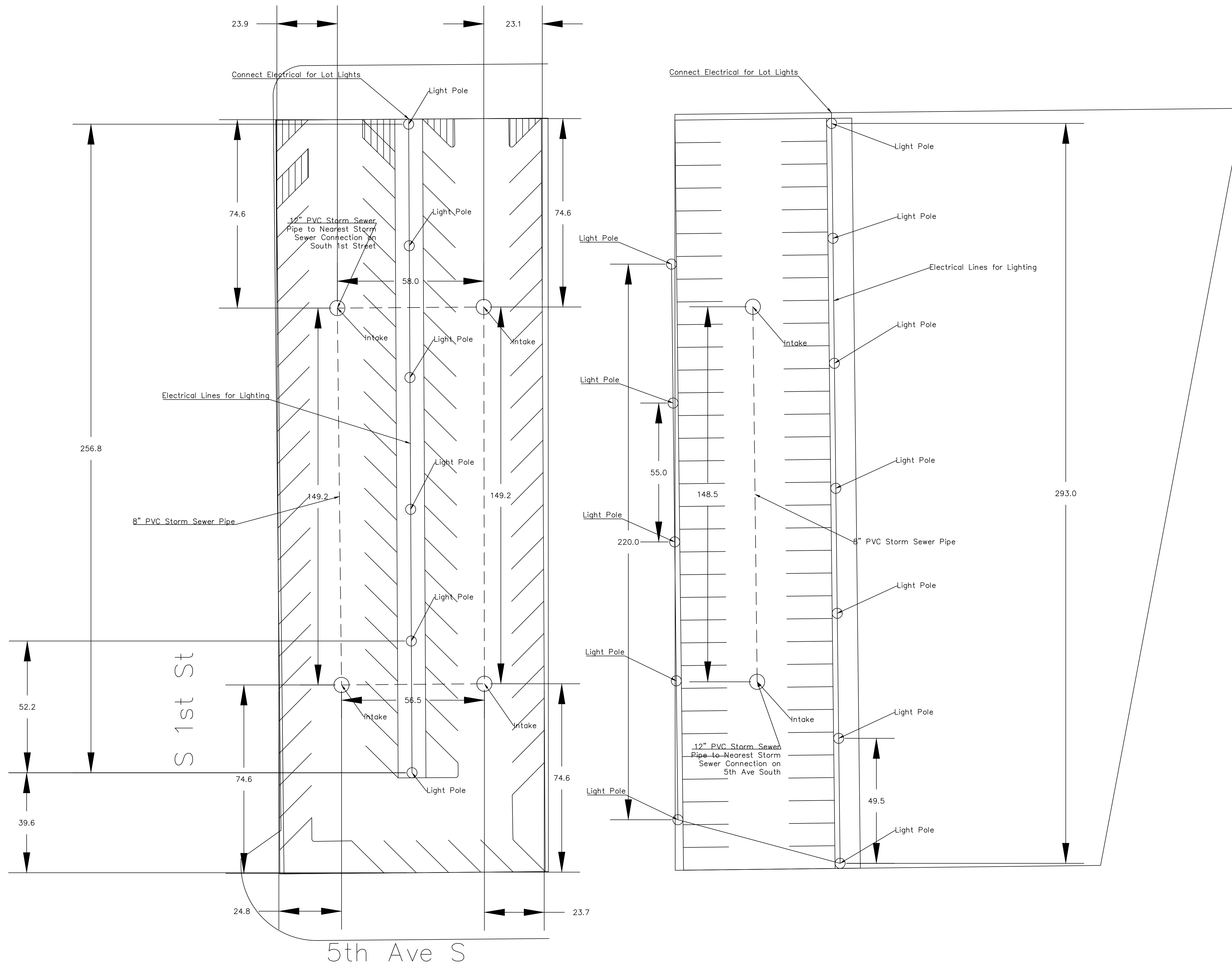
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Clinton Parking Redesign

Oriole Lot
Clinton Iowa

SHEET NAME
Traditional
Paving Quantities

SHEET NO.
D-5.2



PROJECT:	RFP-05SPRING2022
DATE :	5/02/2022
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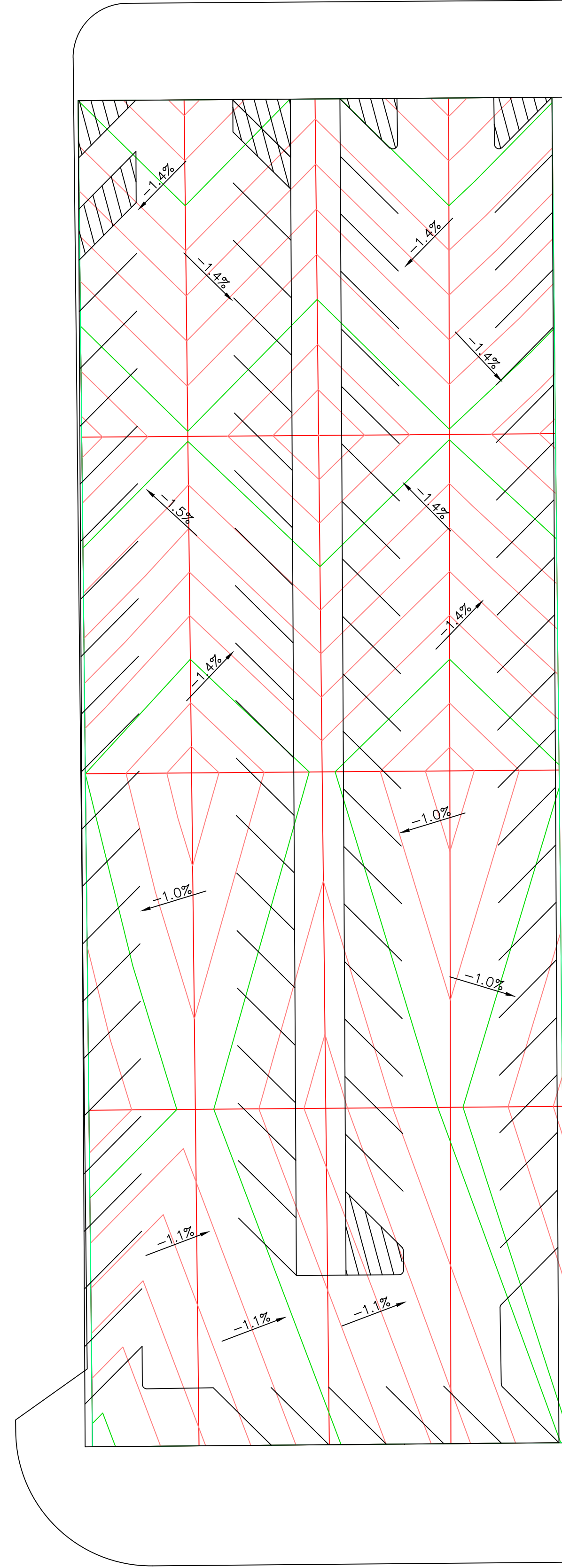
Clinton Parking Redesign

Oriole Lot
 Clinton Iowa

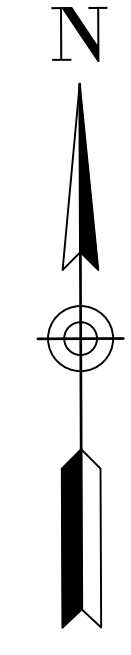
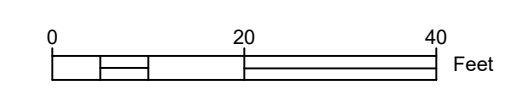
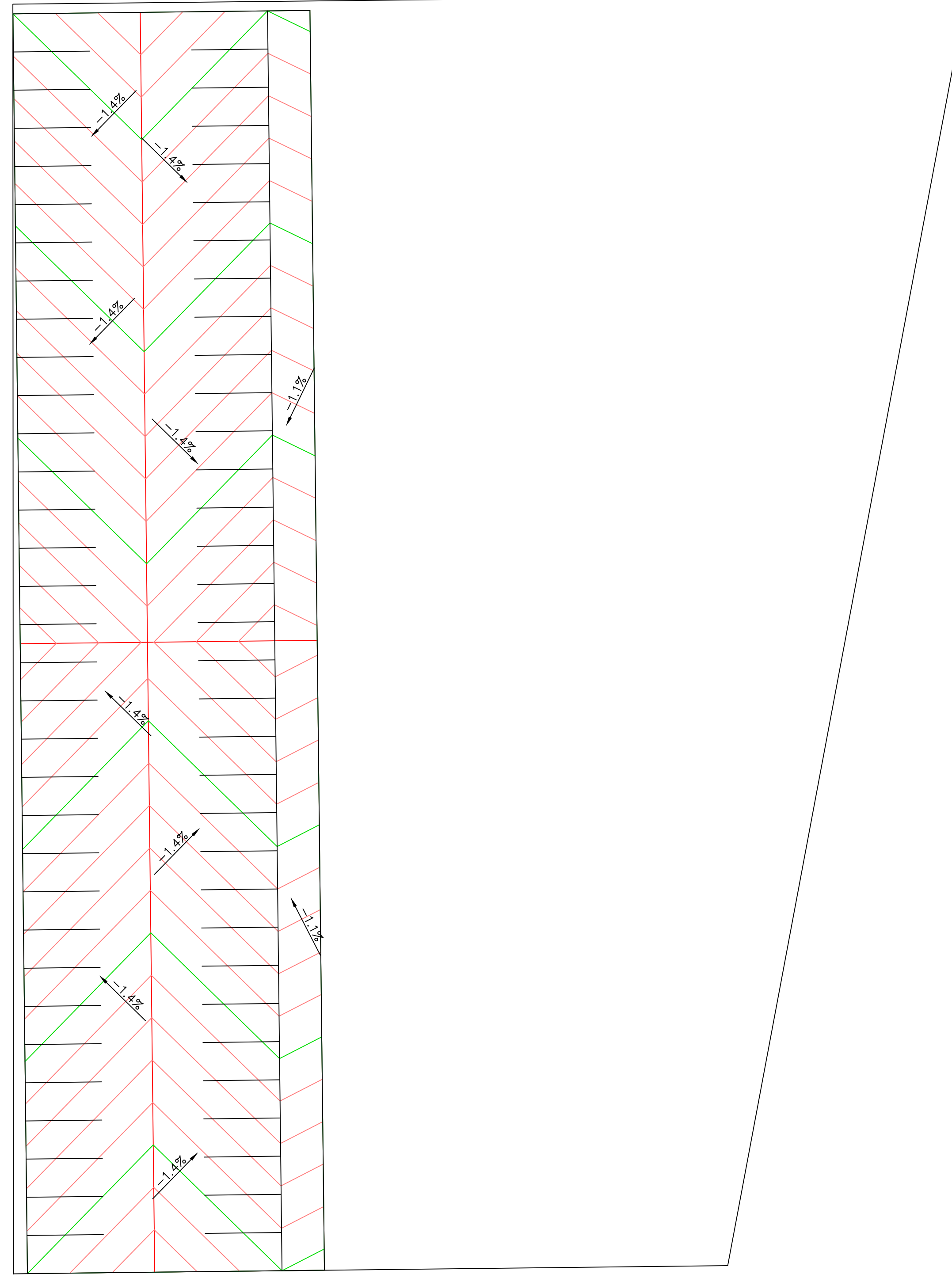
SHEET NAME
 Traditional Utilities

SHEET NO.
D-5.3

S 1st St



5th Ave S



PROJECT:	RFP-05SPRING2022
DATE :	5/01/2022
DRAWN BY:	DG
REVISION:	

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Clinton Parking Redesign
 Oriole Lot
 Clinton Iowa

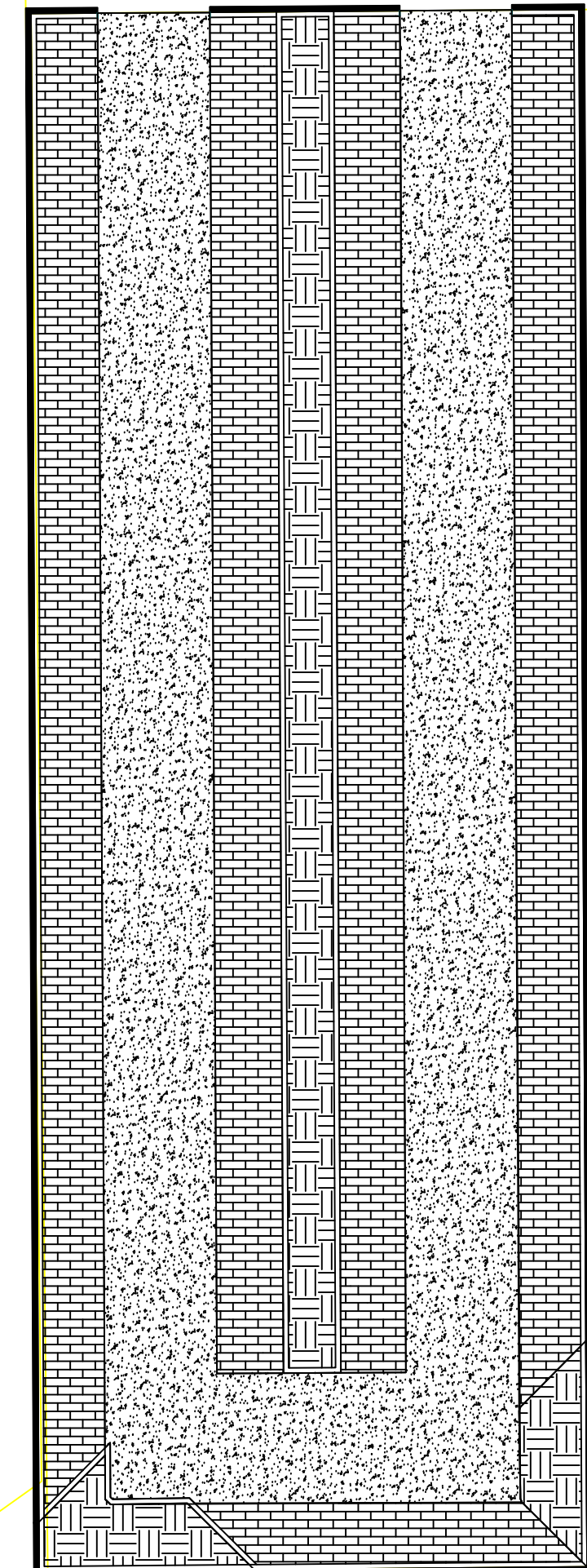
SHEET NAME
 Permeable
 Grading Plan

SHEET NO.
D-6.1

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	824.3
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.1448
4	Mobilization	LS	1
5	Drive Lane PCC Pavement, 6" on Granular Subbase, 12"	SY	2253.3
6	Permeable Pavers - Including Subbase	SY	2632.1
7	Perforated Subdrain, 6"	LF	1085.3
8	PVC Storm Sewer, 8"	LF	430.2
9	PVC Storm Sewer, 12"	LF	22.0
10	6" PCC Curb & Gutter, 24"	LF	2095.4
11	ADA Parking Sign	EA	4
12	Traffic Control	LS	1
13	Light Poles and Fixtures	EA	18
14	Topsoil Backfill, 6"	CY	116.8
15	Green Fencing	LF	1476.0
16	Parking Lot Name Sign	EA	1

Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	Drive Lane PCC Pavement, 5" on Granular Subbase, 12"	SY	-2253.3
2	Drive-Lane HMA Pavement, 6" on Granular Subbase, 12"	SY	2253.3

S 1st St

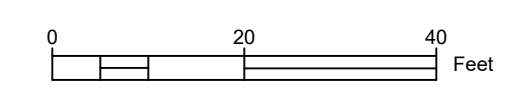
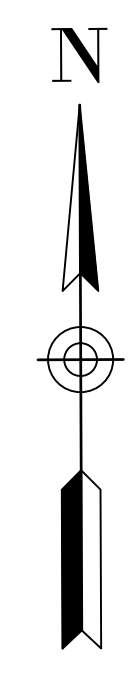
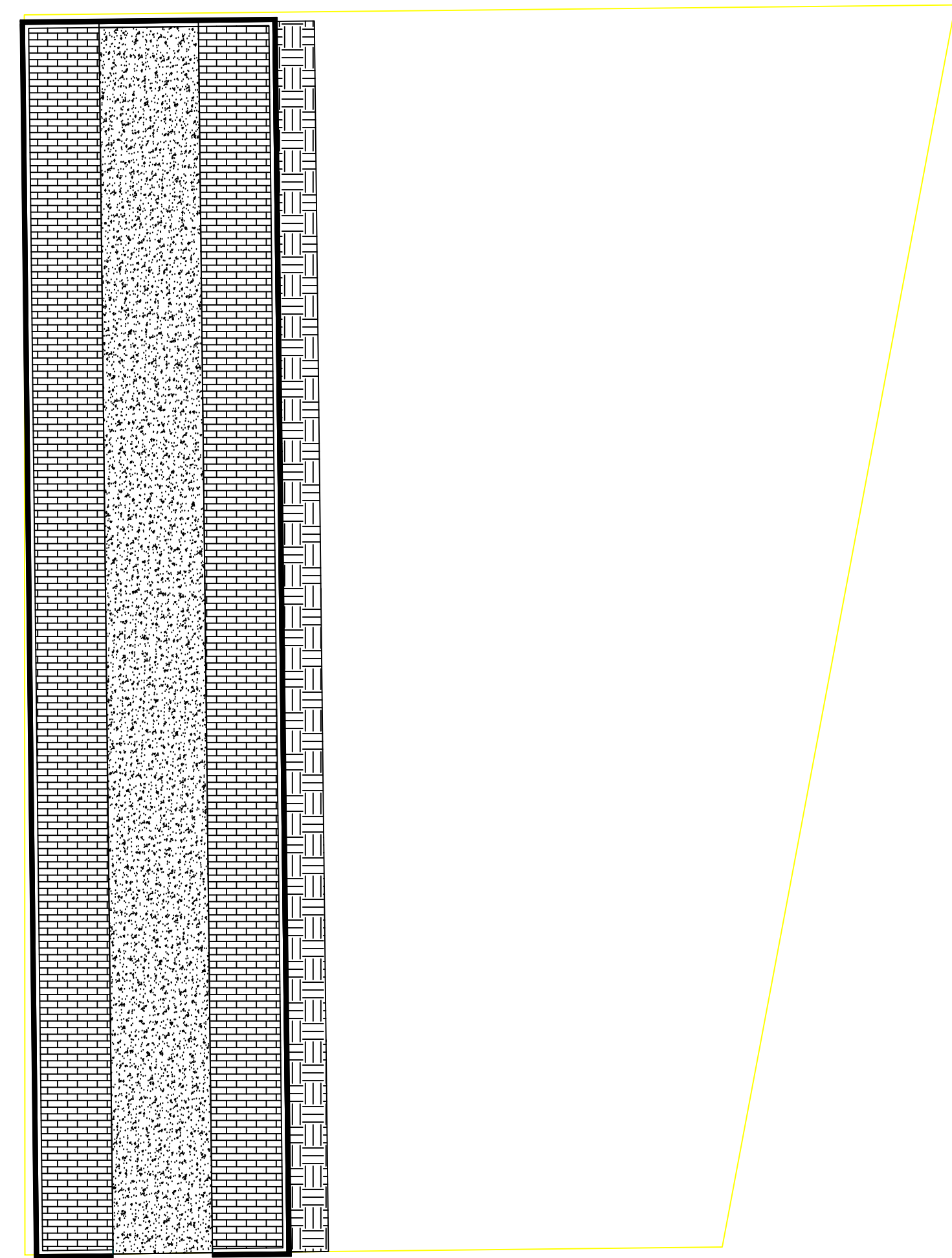


5th Ave S

Legend

-  - Proposed New Permeable Pavers
-  - Proposed Island Areas
-  - Proposed Fencing
-  - Proposed New Pavement (HMA or PCC)
-  - Proposed New Curb and Gutter 6" x 24" (h x w)

147 Regular Spots



PROJECT: RFP-05SPRING2022
DATE: 5/02/2022
DRAWN BY: DG
REVISION:

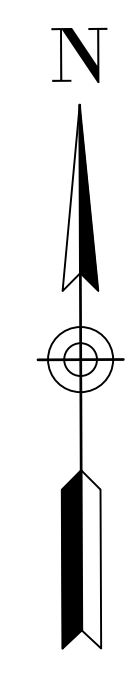
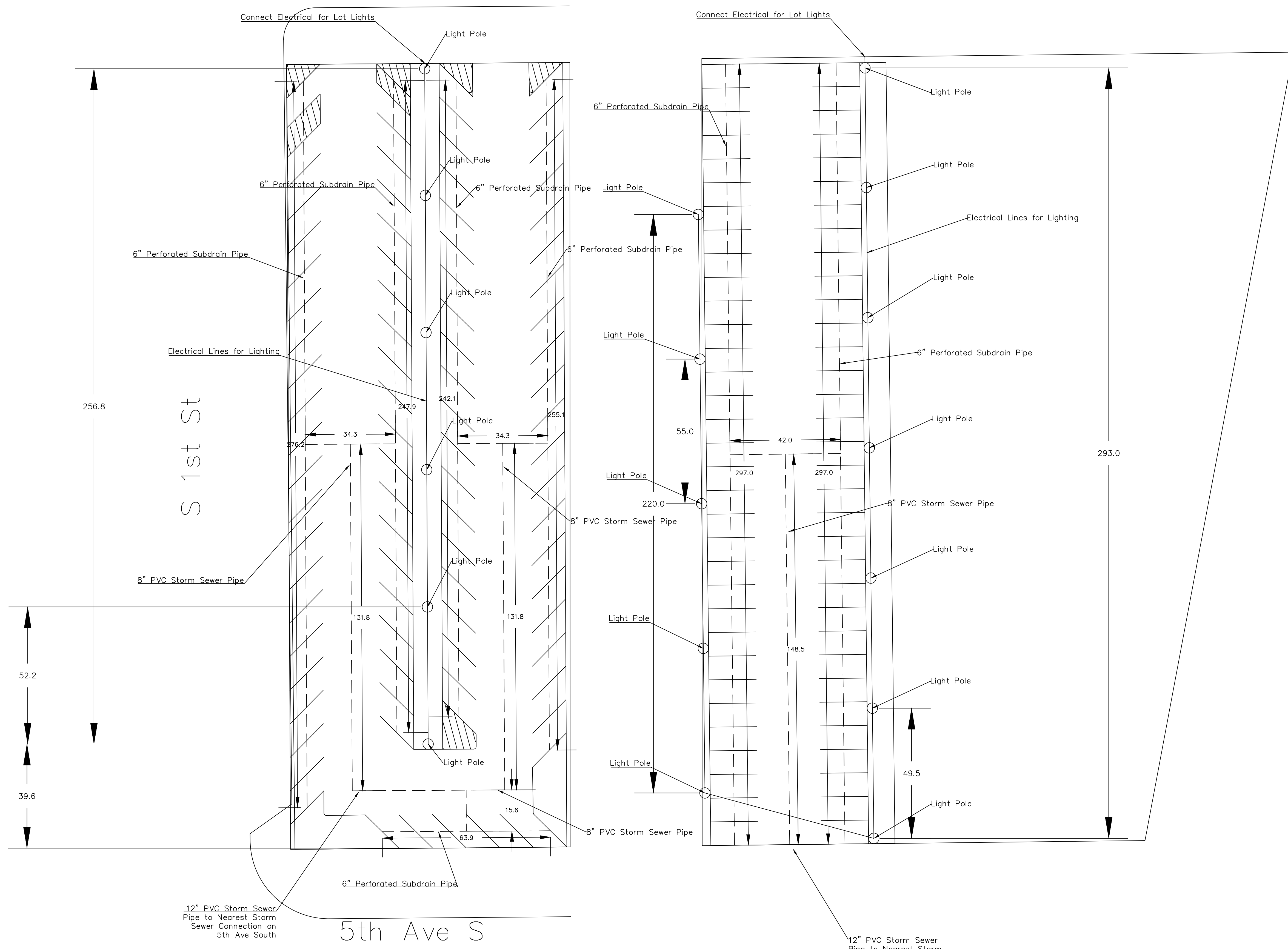
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103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowa.edu

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Clinton Parking Redesign
Oriole Lot
Clinton Iowa

SHEET NAME
Permeable Paving Quantities

SHEET NO.
D-6.2



PROJECT:	RFP-05SPRING2022
DATE :	5/02/2022
DRAWN BY:	DG
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
 4105 SEAMANS CENTER FOR THE
 ENGINEERING ARTS AND SCIENCES
 103 S CAPITOL ST
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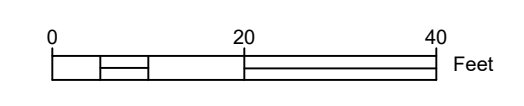
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Clinton Parking Redesign

Oriole Lot
Clinton Iowa

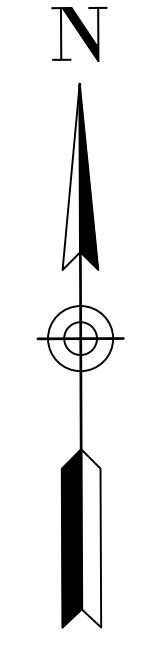
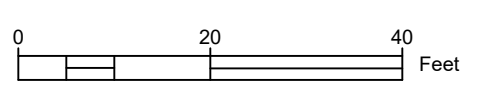
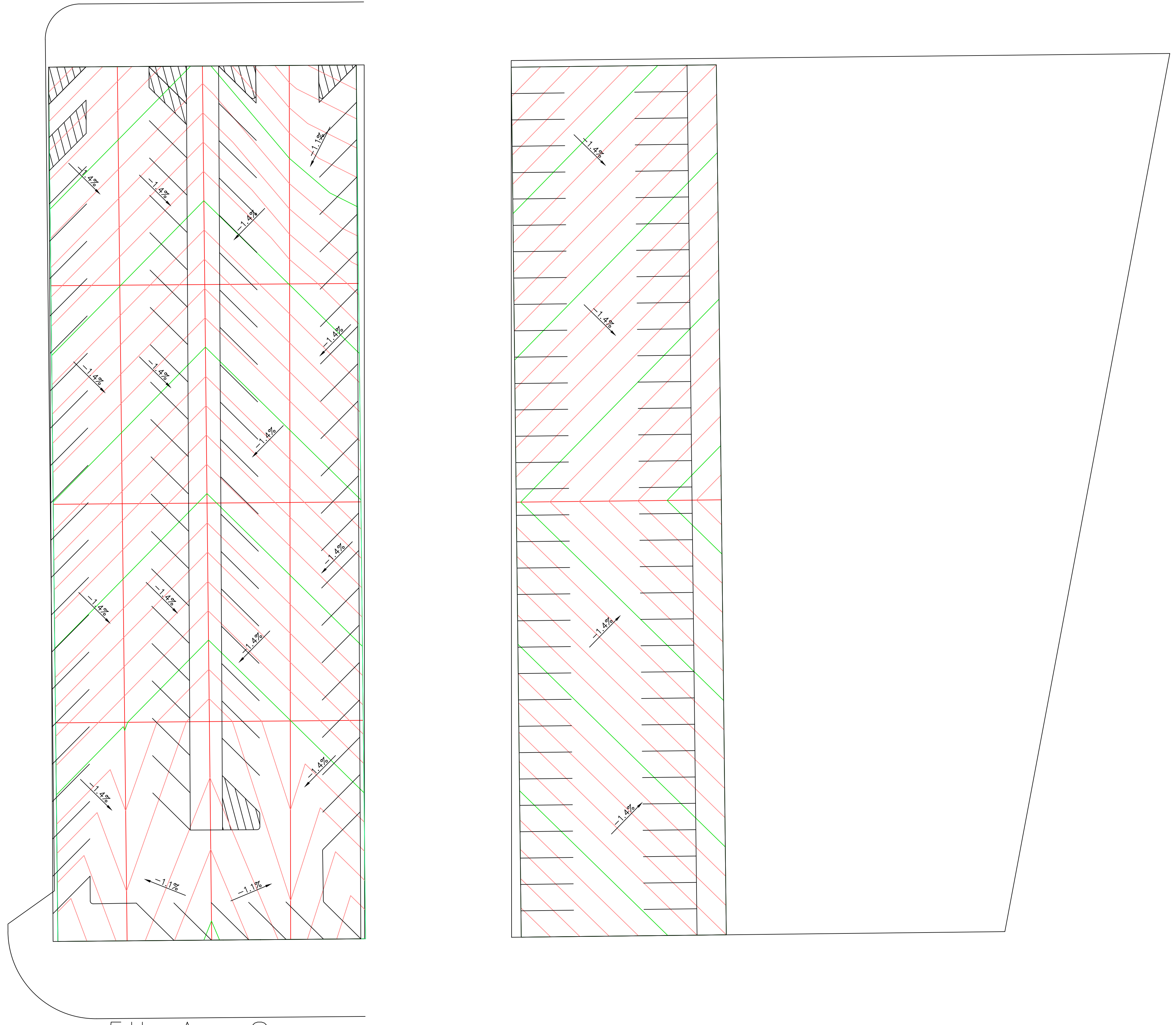
SHEET NAME
Permeable Utilities

SHEET NO.
D-6.3



S 1st St

5th Ave S



SHEET NAME

Biocell
Grading Plan

SHEET NO.

D-7.1

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Clinton Parking Redesign

Oriole Lot
Clinton Iowa

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PROJECT: RFP-05SPRING2022






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DRAWN BY: DG

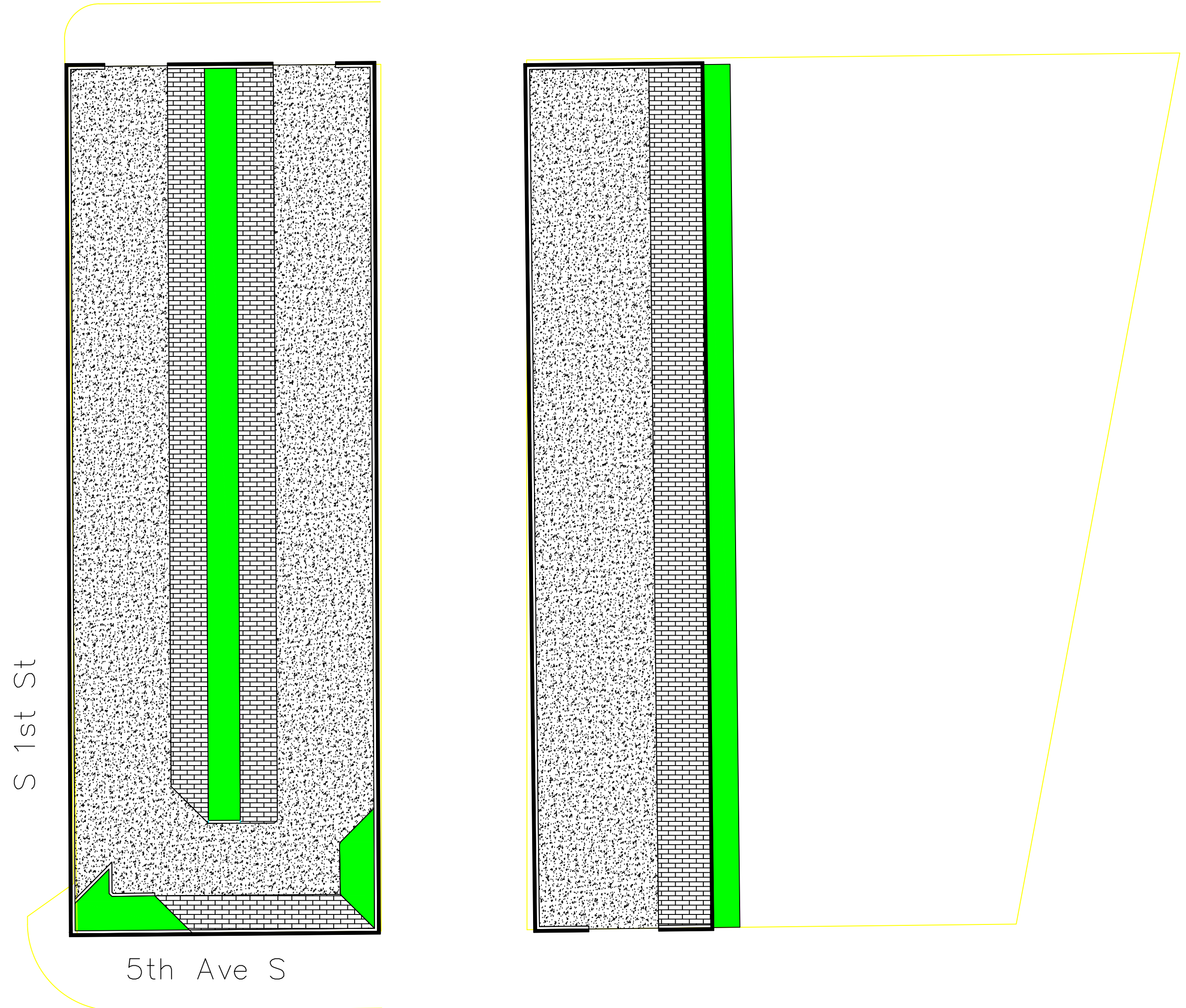
REVISION:

Estimated Summary of Quantities			
No.	Item	Unit	Quantity
1	Existing Pavement and Drive Removal	SY	8243
2	Erosion Control	LS	1
3	Seeding, Fertilizing, and Mulching	AC	0.1447
4	Mobilization	LS	1
5	PCC Pavement, 6" on Granular Subbase, 12"	SY	3525.6
6	Engineered Biocell	SY	700.3
7	PVC Storm Sewer, 12"	LF	244.1
8	6" PCC Curb & Gutter, 24"	LF	1207.4
9	ADA Parking Sign	EA	4
10	Traffic Control	LS	1
11	Light Poles and Fixtures	EA	18
12	Green Fencing	LF	1476.0
13	Parking Lot Name Sign	EA	1
14	Permeable Pavers - Including Subbase	SY	1401
Alternative Bid Quantities			
No.	Item	Unit	Quantity
1	Drive Lane PCC Pavement, 5" on Granular Subbase, 12"	SY	-3525.6
2	Drive-Lane HMA Pavement, 6" on Granular Subbase, 12"	SY	3525.6

Legend

-  - Proposed New Permeable Pavers
-  - Proposed Bio-Cells
-  - Proposed Curb And Gutter 6" x 24" (h x w)
-  - Proposed Fencing
-  - Proposed New Pavement (HMA or PCC)

147 Regular Spots



PROJECT: RFP-05SPRING2022
 DATE: 5/02/2022
 DRAWN BY: DG
 REVISION:

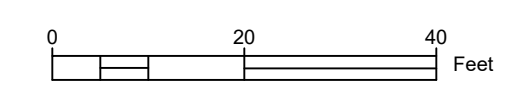
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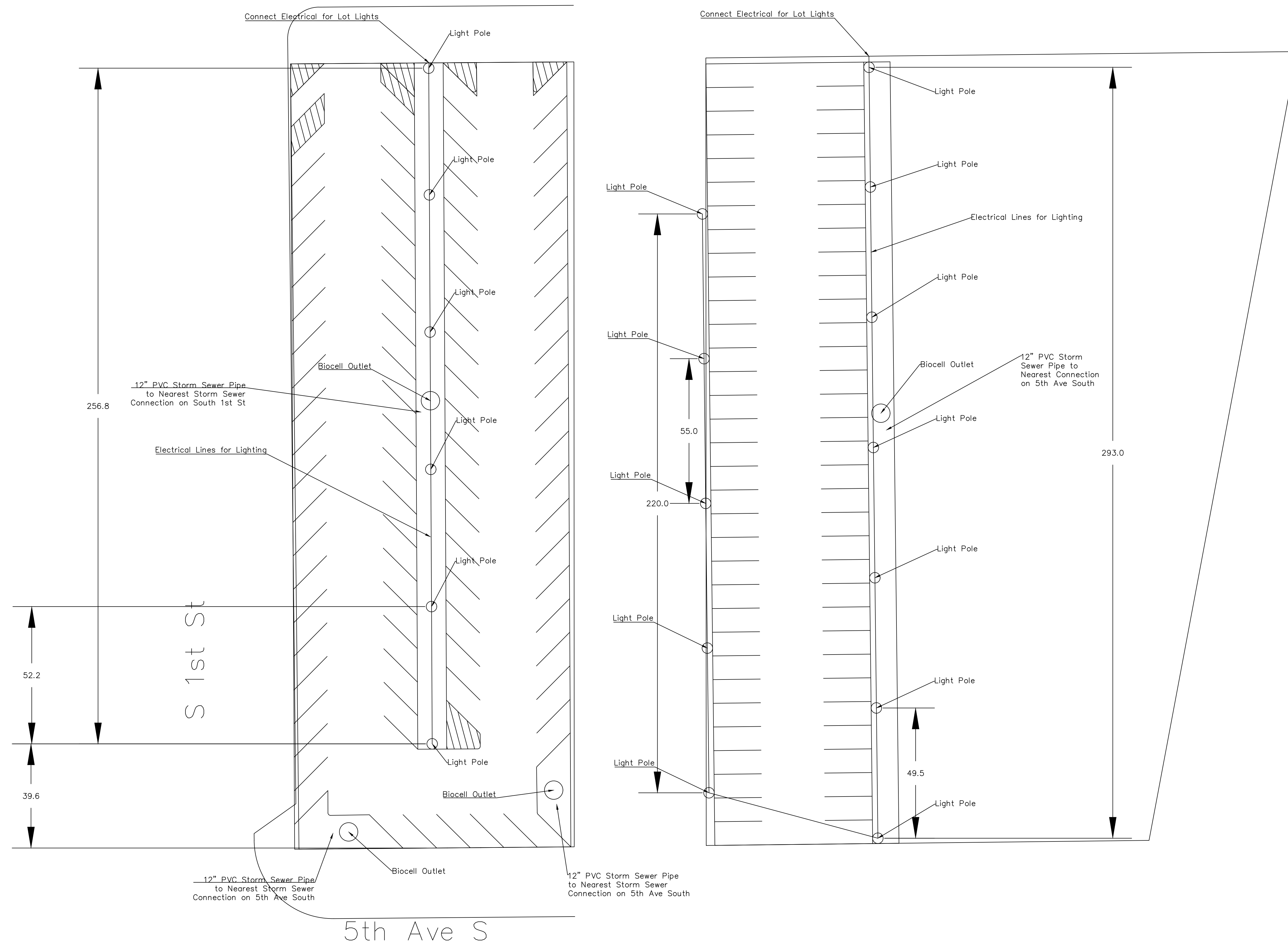
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Clinton Parking Redesign
 Oriole Lot
 Clinton Iowa

SHEET NAME
 Biocell
 Paving Quantities

SHEET NO.
D-7.2





PROJECT:	RFP-05SPRING2022
DATE :	5/02/2022
DRAWN BY:	DG
REVISION:	

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Clinton Parking Redesign

Oriole Lot
 Clinton Iowa

SHEET NAME
 Biocell
 Utilities

SHEET NO.
D-7.3

BLUE JAY PARKING LOT

CLINTON, IOWA



Know what's below.
Call before you dig.

UTILITY NOTE

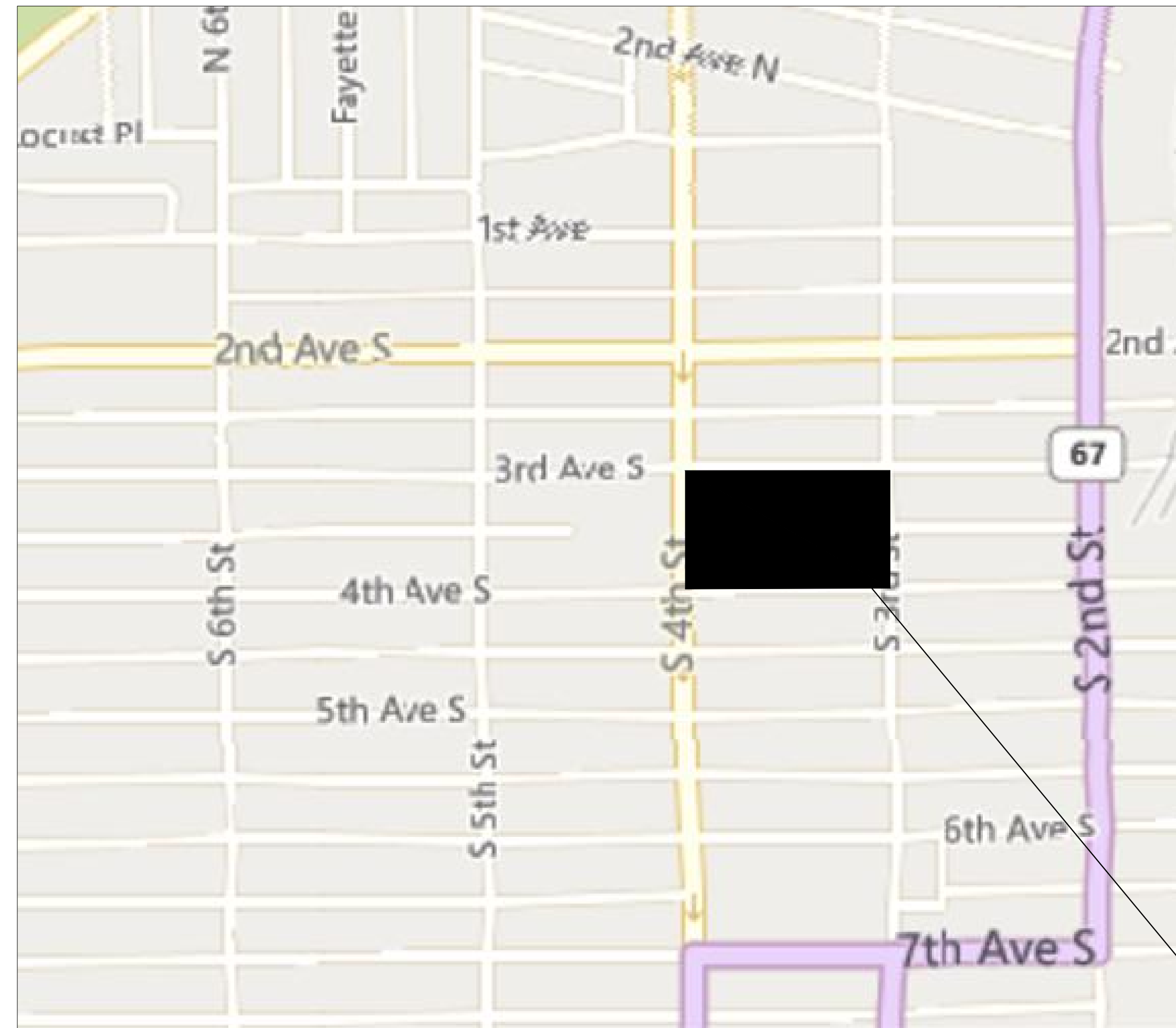
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ALLIANT ENERGY COMPANY (GAS & ELECTRIC)
2001 BEAVER CHANNEL
CLINTON, IOWA 52732

CITY OF CLINTON (SEWER)
611 S. 3RD STREET
CLINTON, IOWA 52732

IOWA AMERICAN WATER COMPANY (WATER)
5201 GRAND AVENUE
CLINTON, IOWA 52805

MEDIACOM (CABLE)
390 26TH AVENUE
MOLINE, ILLINOIS 61265



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

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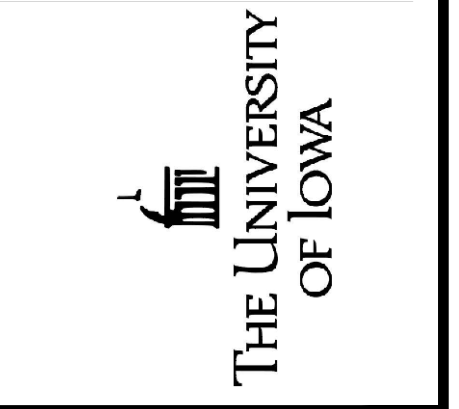
Site Location

OWNER/DEVELOPER

CITY OF CLINTON
611 S. 3RD STREET
CLINTON, IOWA 52732

PROJECT:	RFP # 05-SPRING2022
DATE :	04/04/2022
DRAWN BY:	CVH
REVISION:	

THE UNIVERSITY OF IOWA
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CLINTON PARK
399 - 301 S 4TH ST.
CLINTON, IA 52732

SHEET NAME
BLUE JAY
COVER SHEET

SHEET NO.
E-1

GENERAL NOTES

NO.	ITEM	UNIT	QUANTITY
1	HMA & PCC PAVEMENT REMOVAL (PVMT., DRIVE, SIDEWALK, CURB)	SY	10994
2	EROSION CONTROL	LS	1
3	SEEDING, FERTILIZING AND MULCHING	AC	0
4	MOBILIZATION	LS	1
5	EARTHWORK EXCAVATION	CY	127.7 (CUT)
6	SLOTTED SUB-DRAINPIPE	LF	180
7	PCC SIDEWALK, 4"	SF	22100
8	PERMIABLE PAVEMENT	SF	64823.8
9	BIOCELL	SF	1842
10	STORM SEWER, 24"	LF	0
11	STORM SEWER, 8"	LF	90
12	ADA PARKING SIGN	EA	6
13	TRAFFIC CONTROL	LS	1
14	TRUNCATED DOMES	SF	0
15	CROSSWALK SIGN	EA	0
16	PCC PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	3384.8

STORM SEWER DRAIN LINES FROM LOT ARE TO TIE INTO EXISTING STORM CATCH BASINS. EXISTING STORM SEWER IS PRESERVED. GRATING INSIDE THE EXISTING LOT IS TO BE FITTED WITH A MANHOLE COVER FOR FUTURE MAINTENANCE.

ALTERNATE BID

INSTEAD OF 6" PCC ON 12" GRANULAR SUBBASE, PAVING SECTION SHALL BE 6" HMA ON 12" GRANULAR SUBBASE. ADDED AND SUBTRACTED QUANTITIES FOR THIS ALTERNATE BID ARE AS FOLLOWS:

ALTERNATE BID ESTIMATED SUMMARY OF QUANTITIES

NO.	ITEM	UNIT	QUANTITY
1	PCC PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	-3385
2	HMA PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	4098
3	6" PCC CURB & GUTTER, 24"	LF	2289
4	4" PCC CURB & GUTTER, 25"	LF	0
5	EARTHWORK EXCAVATION	CY	780.15 (CUT)

GRADING NOTES

- ROOT ZONE SHALL BE COMPLETELY STRIPPED TO A DEPTH OF 6". TOPSOIL SHALL THEN BE STOCKPILED ON SITE TO BE RE-USED AS NON-STRUCTURAL FILL AND RE-SPREAD PRIOR TO SEEDING/SODDING.
- PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.
- THE EXPOSED SUBGRADE SHALL BE PROOF ROLLED THOROUGHLY TO DETECT ANY UNSUITABLE AREAS. AT THE DIRECTION OF THE ENGINEER, THESE REGIONS SHALL BE STABILIZED TO MEET DENSITY REQUIREMENTS BY CORING OUT AND REPLACING WITH STABILIZATION ROCK OR OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL DISC AND DRY SUBGRADE FOR NO LESS THAN 3-WORKING DAYS IF PROOF ROLLING FAILS
- ALL UNSUITABLE MATERIAL, SEALCOAT, CONCRETE, ETC. SHALL BE PROPERLY DISPOSED OF OFF SITE.
- ALL DISTURBED LANDSCAPING AREAS SHALL BE SEEDED WITH SUDAS SEED MIXTURE PLACED ON A PREPARED SEEDBED. FERTILIZING AND MULCHING SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. ALL AREAS TO BE SEEDED SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL.
- PAVEMENT REMOVALS ARE ESTIMATED AT 6" THICK FOR ASPHALT AND CONCRETE.

- THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF CLINTON REQUIREMENTS, THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" LATEST EDITION; IOWA SUDAS SPECIFICATIONS; THE CONTRACT DOCUMENTS AND THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER FOR THE CITY OF CLINTON AND ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT IS POSSIBLE THAT THERE ARE OTHER UTILITIES WHOSE EXISTENCE IS PRESENTLY NOT KNOWN OR SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AND TO AVOID DAMAGE THERETO. MINOR CONFLICT WITH UNDERGROUND UTILITIES THAT ARE ABANDONED BUT NOT REMOVED BY THE UTILITY COMPANY SHALL BE REMOVED AS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT BY THE CONTRACTOR. REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT AND SHALL NOT ENTITLE THE CONTRACTOR TO ANY EXTRA COMPENSATION.
- THE CITY AND UTILITY COMPANIES SHALL HAVE ACCESS TO THE PROJECT FOR CONSTRUCTION AND TO MAKE EXTENSIONS OR ADJUSTMENTS OF SERVICES. NO CLAIM FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
- ALL UNSUITABLE MATERIAL, CONSTRUCTION DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS, AND EXISTING PAVEMENT, SIDEWALKS AND DRIVEWAY PAVEMENT SCHEDULED FOR REMOVAL SHALL BE PROPERLY DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS AND GUIDELINES. THE CONTRACTOR SHALL DISPOSE OF REMOVED CONCRETE IN A METHOD APPROVED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS OR UNDESIRABLE MATERIAL, WHICH IS NOT TO BE INCORPORATED IN THE WORK INVOLVED IN THIS PROJECT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES.
- PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.
- EROSION CONTROL FEATURES SHALL BE INCORPORATED INTO THE CONSTRUCTION AT THE EARLIEST POSSIBLE TIME TO LIMIT EROSION AND STREAM POLLUTION AND SHALL BE MAINTAINED UNTIL ACCEPTANCE OF THE PROJECT BY THE CITY.
- ALL STORM SEWER INLETS THAT RECEIVE DRAINAGE FROM EXPOSED EARTH AREAS SHALL BE PROTECTED FROM INTAKE OF ERODED SOIL WITH COMPOST FILTER SOCK OR OTHER ACCEPTABLE INLET PROTECTION MEASURES. THE INLET PROTECTION SHALL BE MAINTAINED ACCORDING TO THE PROJECT SWPPP.
- WHEN NOT INITIATED AT AN EXISTING JOINT, REMOVAL OF EXISTING CONCRETE PAVEMENT, ASPHALT OR CONCRETE DRIVES AND SIDEWALKS SHALL BE INITIATED WITH FULL DEPTH SAW CUTS, EXERCISING EXTREME CARE TO AVOID SURFACE BREAKS AND SPALLING. IF SURFACE BREAKS OR SPALLING OCCUR, ADDITIONAL REMOVAL AND REPLACEMENT SHALL BE MADE AT THE CONTRACTOR'S EXPENSE. THE COST OF SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION.
- THE CONTRACTOR SHALL PREVENT SILT AND DEBRIS FROM ENTERING STORM AND SANITARY SEWERS AND SHALL REMOVE ANY SUCH MATERIAL THAT ENTERS THE SEWERS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- CARE SHALL BE TAKEN TO PREVENT STORM WATER FROM UNDERMINING THE PAVEMENT DURING CONSTRUCTION. IF AREAS BECOME UNDERMINED, THEY SHALL BE REPAIRED IN A MANNER ACCEPTABLE TO THE ENGINEER. PRESSURE GROUTING MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ADJACENT STREETS AND PROPERTY FREE FROM EXCESSIVE BUILD-UP OF SOIL AND/OR GRANULAR MATERIAL FROM THE PROJECT. THE CONTRACTOR SHALL CLEAN EXCESS SOIL AND OTHER MATERIAL FROM THE ADJACENT STREETS ON A DAILY BASIS TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE DONE TO EXISTING STREETS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT THE SPREAD OF DUST FROM THE CONSTRUCTION AREAS AND HAUL ROUTES, WHICH MAY INCLUDE THE APPLICATION OF WATER AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THAT THE PROFILES AND GRADES OBTAINED ARE AS SHOWN ON THE PLANS AND GRADE SHEETS. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS.
- ANY PROPERTY DAMAGE OR DISTURBANCE TO PRIVATE PROPERTY OUTSIDE OF GRADING/CONSTRUCTION LIMITS SHALL REQUIRE THE CONTRACTOR TO RESTORE THE PROPERTY TO ORIGINAL OR BETTER CONDITION AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED BETWEEN THE PLANS AND SPECIFICATIONS AND THE EXISTING FIELD CONDITIONS.
- CONSTRUCTION STAKING, INSPECTION AND TESTING SHALL BE THE RESPONSIBILITY OF THE OWNER.
- TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAILS AND STANDARDS SHOWN IN THESE PLANS AND THE CONTRACT DOCUMENTS, AND IN COMPLIANCE WITH IOWA DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- PROPERTY CORNERS SHALL BE PROTECTED DURING CONSTRUCTION. PROPERTY CORNERS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED AT HIS OWN EXPENSE.
- ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.
- PAVEMENT REMOVAL SHALL INCLUDE ALL PCC SIDEWALK, PCC PAVEMENT, HMA PAVEMENT AND PCC CURB REMOVAL.
- PAVEMENT STRIPING SHALL BE PERFORMED BY OTHERS ON THIS PROJECT.

- CONCRETE PAVEMENT SAW-CUTS SHALL BE SPACED A MAXIMUM OF 12' APART AND SHALL BE MADE AT RIGHT ANGLES TO ADJACENT SAW-CUTS WHEREVER POSSIBLE. ALL SAW-CUTTING PLANS SHALL BE DISCUSSED WITH THE ENGINEER BEFORE LAYOUT OF CUT LINES.
- PARKING LOT TO BE CONSTRUCTED IN TWO PHASES. THE NORTH HALF OF THE PARKING LOT SHALL BE FULLY REMOVED, CONSTRUCTED, AND OPENED BEFORE WORK COMMENCES ON THE SOUTH HALF OF THE LOT. THE FINAL STAGE OF CONSTRUCTION SHOULD BE THE SIDEWALKS. BEFORE WORK COMMENCES ON NORTH HALF OF LOT, CONTRACTOR SHALL REMOVE CENTER PORTION OF LOT AND REPLACE WITH 30' STRIP OF GRANULAR BASE STONE IN ORDER TO PROVIDE CIRCULATORY PATH FOR VEHICLES DURING CONSTRUCTION. THIS GRANULAR MATERIAL SHALL BE USED FOR BASE STONE AND IS INCIDENTAL TO PAVING ITEM.
- ALL 24" STORM SEWER SHALL BE PVC, RCP, OR POLYPROPYLENE PIPE CONFORMING WITH SUDAS STANDARDS. ALL 8" PIPE SHALL BE PVC SDR 26 PIPE CONFORMING WITH SUDAS STANDARDS.
- ALL DRAIN TILE SHALL BE PVC TYPE 1 SUB-DRAINPIPE WITH CAP ON END AND CONNECTION TO STRUCTURE INCIDENTAL. BACKFILL SHALL BE WASHED CHIPS, ALSO INCIDENTAL.
- ALL LIGHTING WORK TO BE DONE BY SEPARATE CONTRACTOR WILL BE COORDINATED BY THE CITY. CONTRACTOR FOR THIS PROJECT SHALL COOPERATE WITH THE ELECTRICAL CONTRACTOR HIRED BY THE CITY.

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		SANITARY MANHOLE
		WATER VALVE
		CONTOUR
		PROPERTY LINE
		EASEMENT LINE
		SANITARY SEWER
		STORM SEWER
		WATER LINE
		SILT FENCE
		GAS LINE
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		MAIL BOX

ABBREVIATIONS

TEP	TOP OF EXISTING PAVEMENT
TC	TOP OF CURB
TP	TOP OF PAVEMENT
EP	EDGE OF PAVEMENT
TW	TOP OF SIDEWALK
TRW	TOP OF RETAINING WALL
FL	FLOWLINE
ME	MATCH EXISTING GRADE
EX	EXISTING
INV	INVERT

PROJECT: RFP # 05-SPRING2022	DATE: 04/19/2022
DRAWN BY: IMEG / CVH	REVISION:

THE UNIVERSITY OF IOWA
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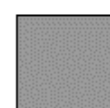
CLINTON PARKING

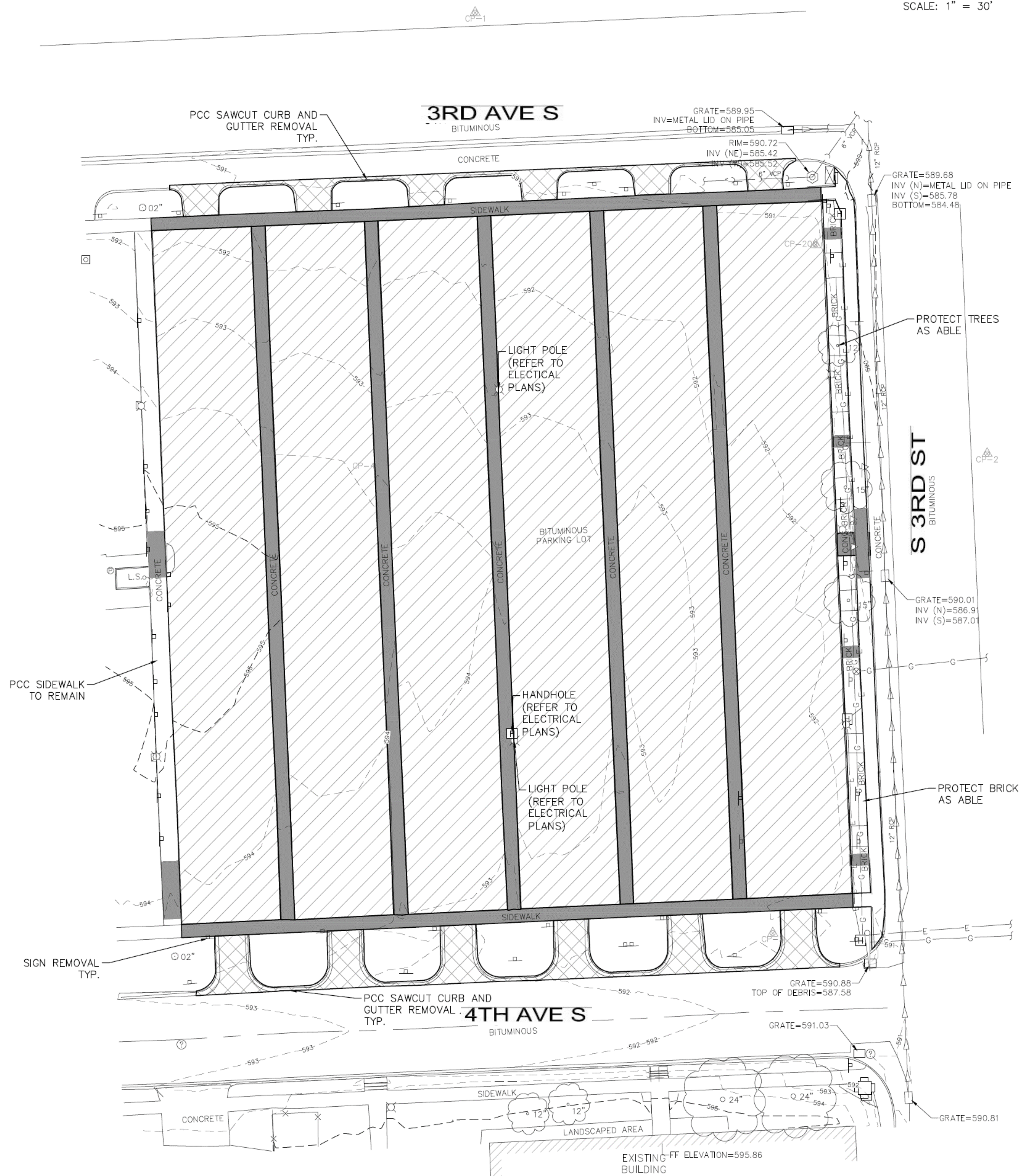
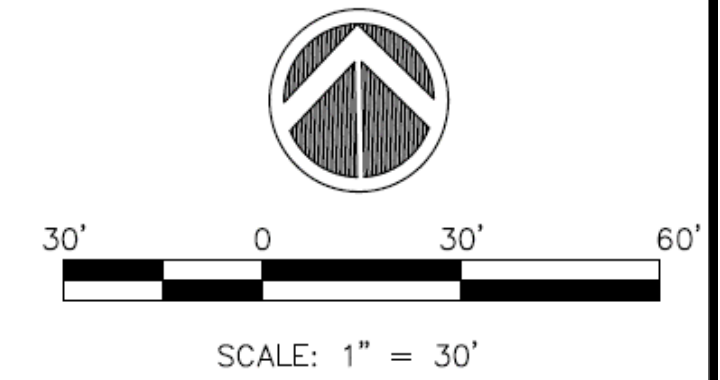
399 - 301 S 4TH ST
CLINTON, IA 52732

SHEET NAME
**BLUE JAY
NOTES & LEGEND**

SHEET NO.
E-2


LEGEND:

-  BITUMINOUS PAVEMENT REMOVAL
-  BITUMINOUS DRIVE REMOVAL
-  PCC SIDEWALK & BRICK REMOVAL



PROJECT:	RFP # 05-SPRING2022
DATE :	04/08/2022
DRAWN BY:	IMEC
REVISION:	

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THE UNIVERSITY OF IOWA

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CLINTON PARK
 399 - S 4TH ST
 CLINTON, IA 52732

SHEET NAME
**BLUE JAY LOT
 REMOVAL**

SHEET NO.
E-3

UTILITY & PIPE MATERIAL NOTES

PIPE MATERIAL AND SPECIFICATION SHALL CONFORM WITH LOCAL PLUMBING CODES
 BACKFILL: IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS SECTIONS 3010 AND 3020.

EXISTING STRM DRAIN

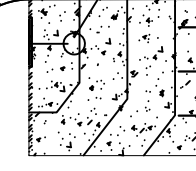
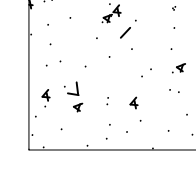
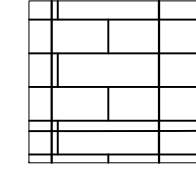
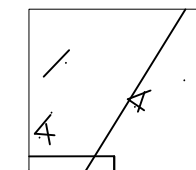
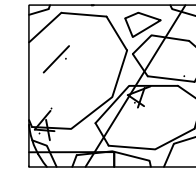
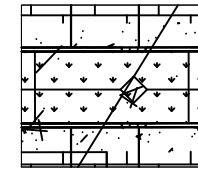
3RD AVE S

EXISTING STRM PIPE

S. 4TH ST

S 3RD ST

4TH AVE S

-  PROPOSED 6" PCC PAVEMENT
-  PROPOSED 4" PCC SIDEWALK
-  PROPOSED PERMEABLE PAVEMENT
-  EXISTING SIDEWALK
-  PROPOSED GREENSPACE
-  PROPOSED BIO-CELL

SITE NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH IOWA SUDAS, CITY OF CLINTON, IA REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF FIXTURES. (SEE ELECTRICAL PLANS FOR SITE LIGHTING DETAILS.)
3. PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED BY LICENSED SIGN CONTRACTOR MUST BE SUBMITTED TO PLANNING, BUILDING, AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL.
4. PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT CONTRACTOR'S EXPENSE.
5. ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.

SITE PARKING:

	PROVIDED
REGULAR SPACES	107
ADA SPACES	6
TOTAL SPACES	113

GREENSPACE:

	EXISTING	PROPOSED
GREENSPACE	0 ACRE	1.13 ACRE
TOTAL SITE	2.66 ACRE	2.66 ACRE

PROPOSED 8" SLOTTED PIPE
 PROPOSED STRM DRAIN OVERFLOW

PROPOSED BIOCELL CLEANOUT

EXISTING STRM PIPE

EXISTING STRM DRAIN

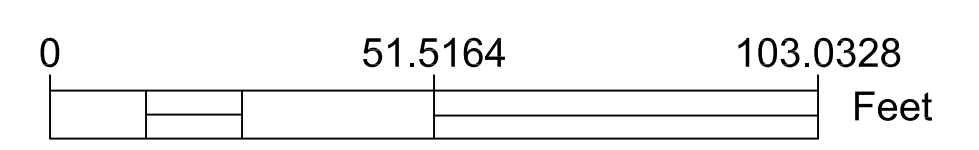
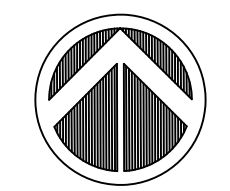
EXISTING GRATE DRAIN. PROPOSED STRM MANHOLE COVER AND BIOCELL TIE IN POINT.

EXISTING GRATE DRAIN. PROPOSED STRM MANHOLE COVER

EXISTING STRM PIPE


EXISTING STRM DRAIN

EXISTING STRM DRAIN



PROJECT:	RFP # 05-SPRING2022
DATE :	05/02/2022
DRAWN BY:	CVH
REVISION:	4

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CLINTON PARKING
 399 - 301 S. 4TH ST.
 CLINTON, IA 52732

SHEET NAME
 BLUE JAY PIPE & UTILITY

SHEET NO.
E-4

S. 4TH ST

S 3RD ST

3RD AVE S

4TH AVE S

CONCRETE WASHOUT
SEE DETAIL F-8

CONCRETE WASHOUT
SEE DETAIL F-8

STABILIZED
CONSTRUCTION
ENTRANCE

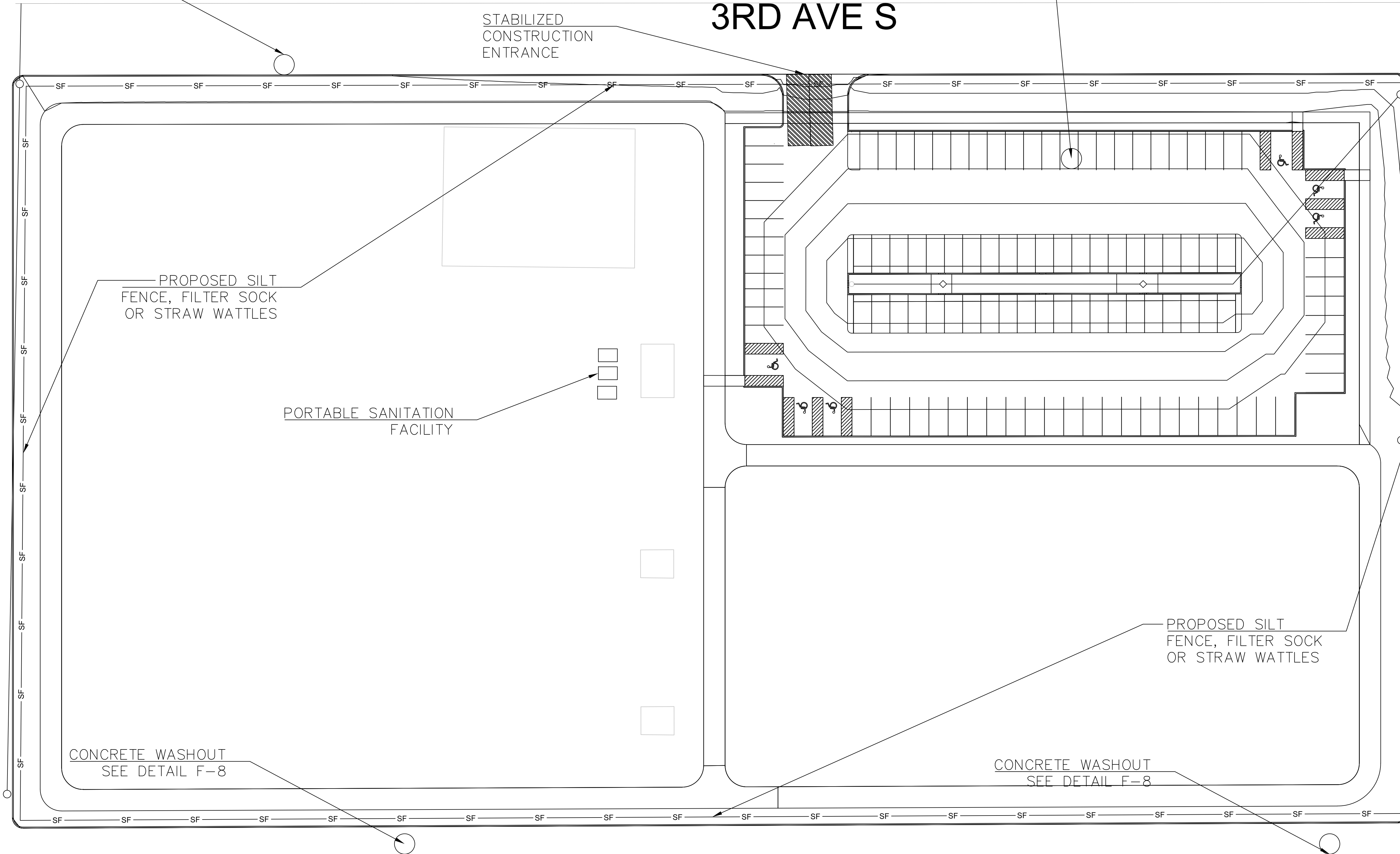
PROPOSED SILT
FENCE, FILTER SOCK
OR STRAW WATTLES

PORTABLE SANITATION
FACILITY

CONCRETE WASHOUT
SEE DETAIL F-8

PROPOSED SILT
FENCE, FILTER SOCK
OR STRAW WATTLES

CONCRETE WASHOUT
SEE DETAIL F-8



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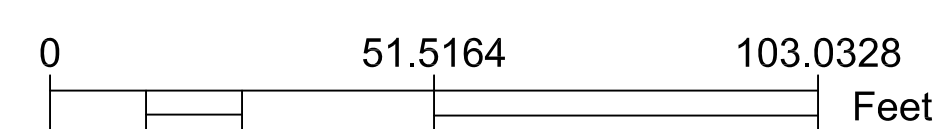
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SHEET NAME
BLUE JAY
EROSION PLAN

SHEET NO.
E-5

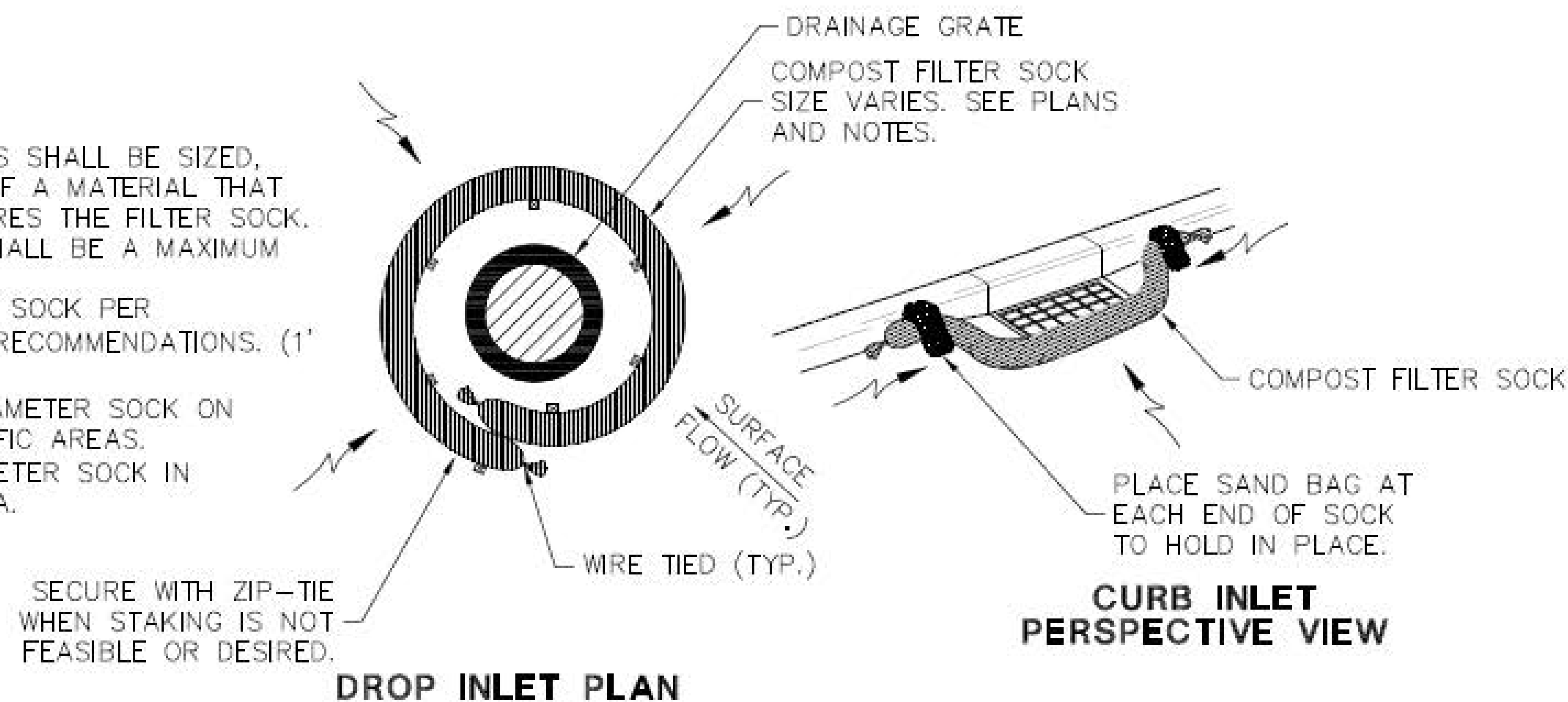


EROSION CONTROL NOTES

- ALL EROSION CONTROL FEATURES SHALL BE IN ACCORDANCE WITH THE PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL AND THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION" LATEST EDITION INSOFAR AS APPLICABLE.
- INSTALL EROSION CONTROL MEASURES, WHERE POSSIBLE, PRIOR TO THE COMMENCEMENT OF ANY EARTH DISTURBING OPERATIONS. ANY REMAINING CONTROL MEASURES MUST BE INSTALLED AS SOON AS REASONABLY POSSIBLE AFTER GRADING OPERATIONS BEGIN.
- THE CONTRACTOR SHALL DESIGNATE, PRIOR TO BEGINNING CONSTRUCTION, A PERSON OR PERSONS WHO CAN BE CONTACTED IN AN EMERGENCY. THESE PEOPLE SHALL BE AVAILABLE TO REPAIR AND MAINTAIN EROSION DEVICES ON A 24 HOUR PER DAY BASIS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING INSPECTIONS OF THE EROSION CONTROL SYSTEM AS REQUIRED BY THE NPDES PERMIT AND STORM WATER POLLUTION PREVENTION PLAN.
- IN AN EFFORT TO LIMIT SOIL EROSION THE FOLLOWING SEQUENCE OF GRADING ACTIVITY AND TEMPORARY SEDIMENT CONTROL MEASURES ARE REQUIRED. A. PLACE SILT FENCE AT THE TOE OF UNSEEDDED/UNSODDED SLOPES DURING CONSTRUCTION. ADDITIONAL SILT FENCE MAY BE REQUIRED FOR PROPER EROSION CONTROL. B. ONCE FINAL SUBGRADE ELEVATIONS ARE OBTAINED, PAVING OPERATIONS CAN PROCEED. MAINTAIN STRAW BALES AND SILT FENCING DURING PAVING OPERATIONS AS MUCH AS PRACTICAL. C. TEMPORARY STOCK PILES SHALL BE GRADED TO DRAIN WITH A MAXIMUM SIDE SLOPE OF 3 HORIZONTAL TO 1 VERTICAL. D. UPON COMPLETION OF PAVING AND LANDSCAPING OPERATIONS CONTRACTOR SHALL CLEAN STORM SEWER SYSTEMS OF DEBRIS AND SILT. E. EROSION CONTROL SYSTEM TO BE MAINTAINED BY THE GENERAL TRADE CONTRACTOR AFTER EACH RAINFALL EVENT AND THROUGHOUT THE COURSE OF THE PROJECT AND REMOVED UPON PROJECT COMPLETION AFTER AN ADEQUATE STAND OF GRASS HAS BEEN ESTABLISHED.
- FOR TEMPORARY SEEDING OR INACTIVITY OF 14 DAYS, THE ENTIRE AREA THAT WAS DISTURBED SHALL BE SEEDDED WITH OATS AT A RATE OF 65LBS/ACRE AND ANNUAL RYE GRASS AT A RATE OF 40LBS/ACRE OR APPROVED EQUAL BY THE CITY. THIS SHALL BE PLACED ON A PREPARED SEEDBED. THE ENTIRE AREA SHALL BE FERTILIZED AT THE RATE OF 600 POUNDS PER ACRE WITH A 13-13-13 FERTILIZER INCORPORATED INTO THE SEEDBED. AT THE CONCLUSION OF THE GRADING OPERATIONS PERMANENT SEEDING SHALL BE PLACED PER CITY SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL EROSION CONTROL MEASURES ONCE EACH WEEK. EROSION CONTROL MEASURES SHALL BE MAINTAINED OR, IF NEEDED, REPLACED SO THEY WILL FUNCTION AS ORIGINALLY DESIGNED. THE CONTRACTOR SHALL NOTIFY THE OWNER AND REPORT THE STATUS OF ALL EROSION CONTROL MEASURES. EROSION CONTROL INSPECTION RECORDS SHALL BE KEPT DETAILING ALL ACTIVITIES AND INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE EROSION CONTROL MEASURES AND RECORDS UNTIL NOT LESS THAN 70% PERMANENT GROUND COVER IS ACHIEVED AT WHICH TIME ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED. ONCE ALL TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, A NOTICE OF DISCONTINUATION OF CONSTRUCTION ACTIVITY SHALL BE FILED.
- IF CONTRACTOR USES MORE THAN ONE SITE ENTRANCE/EXIT THEN ADDITIONAL STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED.
- TREE PROTECTION SHALL ADHERE TO SUDAS STANDARD 9030.102.

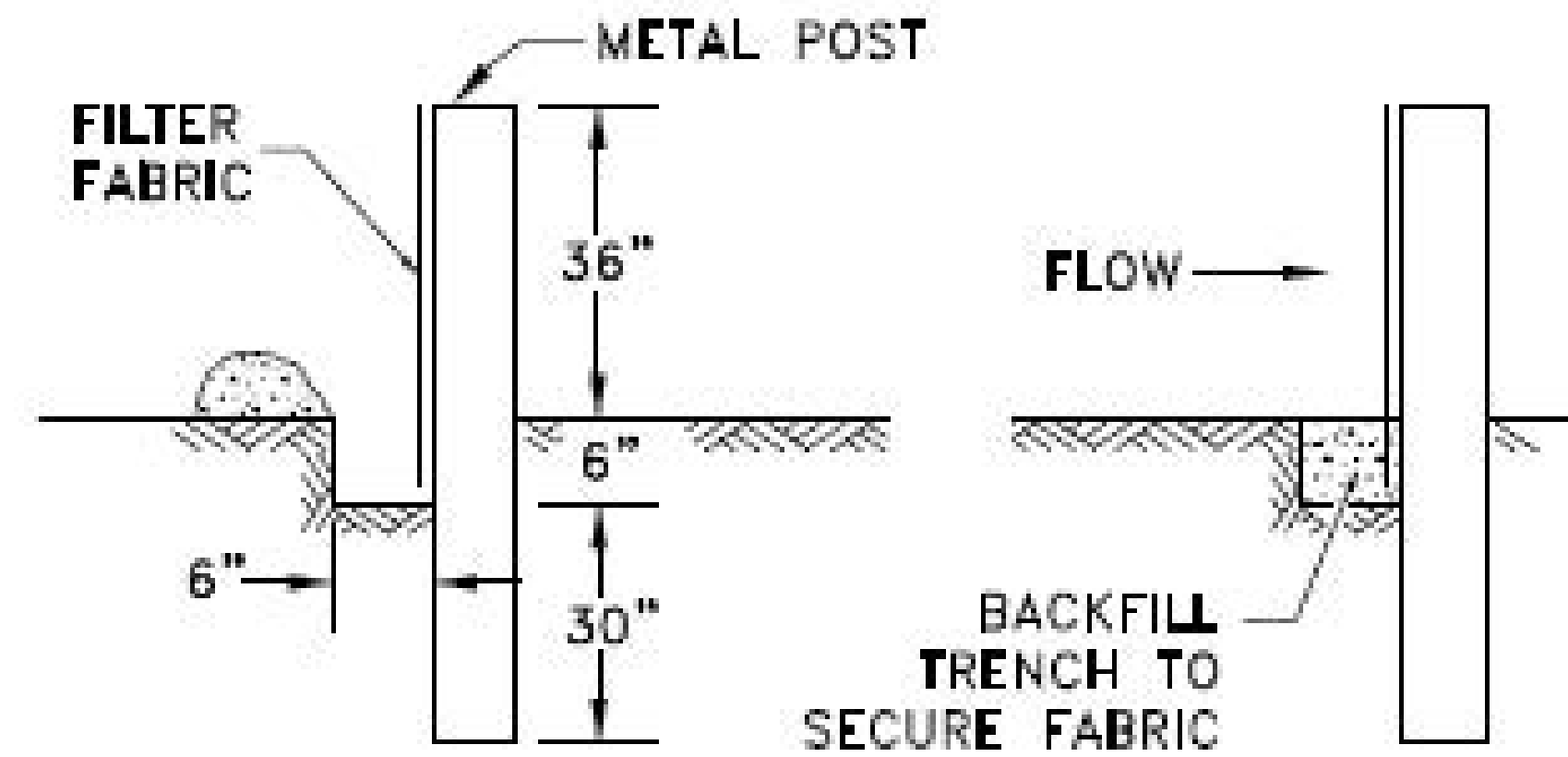
NOTES:

- ANCHORING STAKES SHALL BE SIZED, SPACED AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE FILTER SOCK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
- OVERLAP ENDS OF SOCK PER MANUFACTURER'S RECOMMENDATIONS. (1' MIN., 3' MAX.)
- USE 8" TO 12" DIAMETER SOCK ON CURBSIDE IN TRAFFIC AREAS.
- USE 12"-18" DIAMETER SOCK IN NON-TRAFFIC AREA.



COMPOST FILTER SOCK INLET PROTECTION

NOT TO SCALE

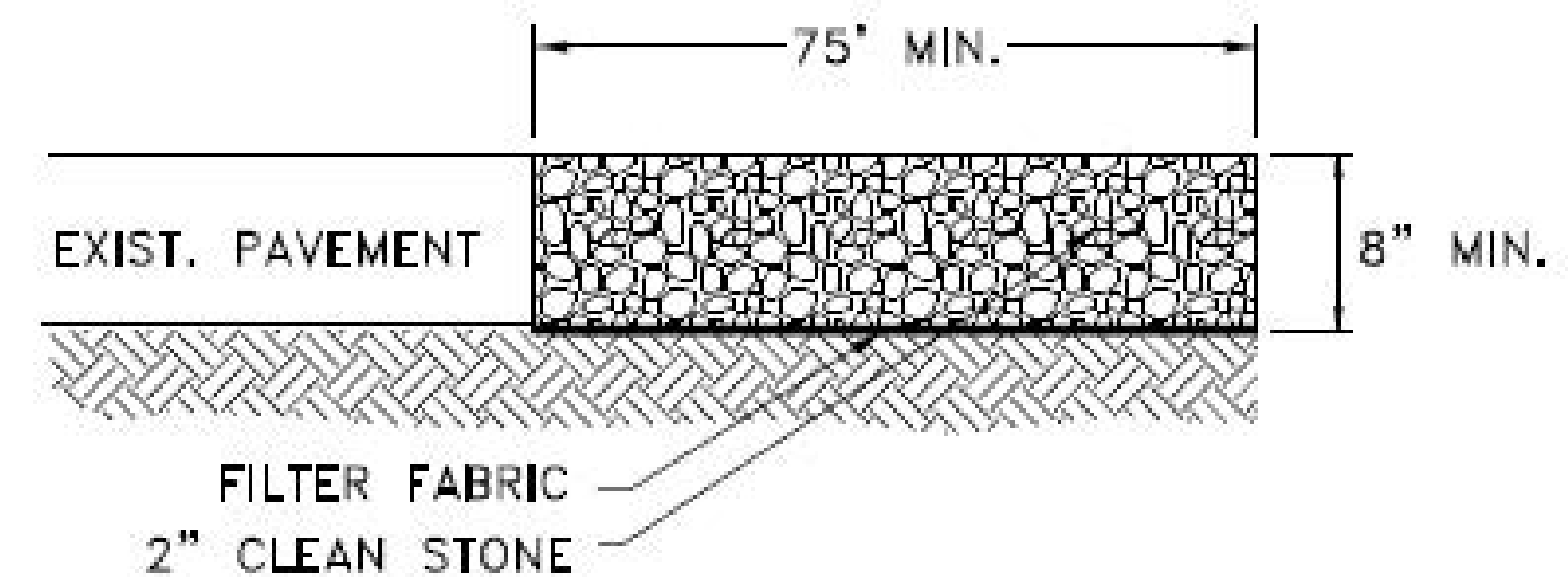


NOTES:

- SILT FENCE SHALL BE CLEANED/REPLACED IF SEDIMENT ACCUMULATION TO UP TO 1/2 HEIGHT OR HAS COLLAPSED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF AFTER NOTICE OF TERMINATION HAS BEEN ACCEPTED.
- PERIMETER EROSION CONTROL CAN BE SILT FENCE, FILTER SOCK OR WATTLES (REFER TO SUDAS 9040.105)

EROSION CONTROL FENCE DETAIL

NOT TO SCALE



NOTES:

- CONTRACTOR TO MAINTAIN MINIMUM DEPTH AND SHALL REMOVE SOIL FROM CONSTRUCTION EXIT, AS REQUIRED.
- CONSTRUCT MIN. 15' WIDE FOR ONE-WAY TRAFFIC AND MIN 20' WIDE FOR TWO-WAY TRAFFIC.
- CONTRACTOR IS TO DETERMINE LOCATION OF STABILIZED CONSTRUCTION EXIT AS APPROVED BY CITY. UPDATE ON SWPP PLAN.
- CONTRACTOR TO INSPECT DAILY.
- CONTRACTOR TO REMOVE AND DISPOSE OF MATERIAL OFF-SITE PRIOR TO PAVING.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

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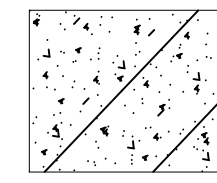
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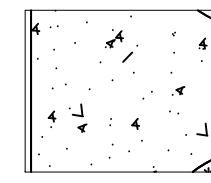
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SHEET NAME
 BLUE JAY EROSION NOTES

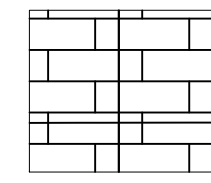
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E-5N



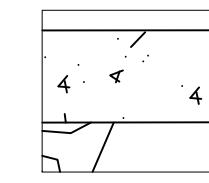
PROPOSED 6" PCC PAVEMENT



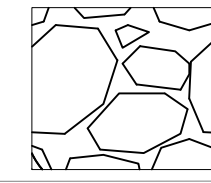
PROPOSED 4" PCC SIDEWALK



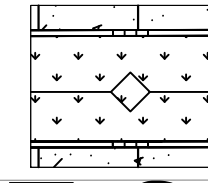
PROPOSED PERMEABLE PAVEMENT



EXISTING SIDEWALK



PROPOSED GREENSPACE



PROPOSED BIOCELL

3RD AVE S

S. 4TH ST

S 3RD ST

NOTES

1) PROTECT EXISTING SIDEWALKS AND PAVEMENT INCIDENTAL TO CONTRACT

ESTIMATED GRADING QUANTITIES:

	CUT (C.Y.)	FILL (C.Y.)
UNADJUSTED PAVEMENT, SIDEWALK & SUBBASE	904	1356
PAVEMENT REMOVAL (6")	-564.1	
SUBTOTAL	1890.50	1356
30% SHRINKAGE		406.8
TOTAL	1890.5	1762.8

NET 127.7 C.Y. TO BE DISPOSED OF OFF-SITE

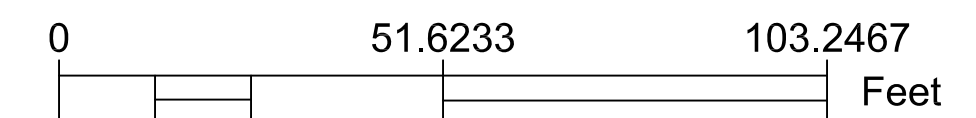
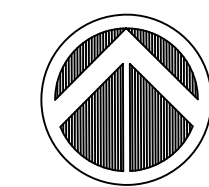
ALTERNATE BID

ESTIMATED GRADING QUANTITIES:

	CUT (C.Y.)	FILL (C.Y.)
UNADJUSTED PAVEMENT, SIDEWALK & SUBBASE	904	1356
PAVEMENT REMOVAL (6")	-683.1	
SUBTOTAL	2542.95	1356
30% SHRINKAGE		406.8
TOTAL	2542.95	1762.8

NET 780.15 C.Y. TO BE DISPOSED OF OFF-SITE

4TH AVE S



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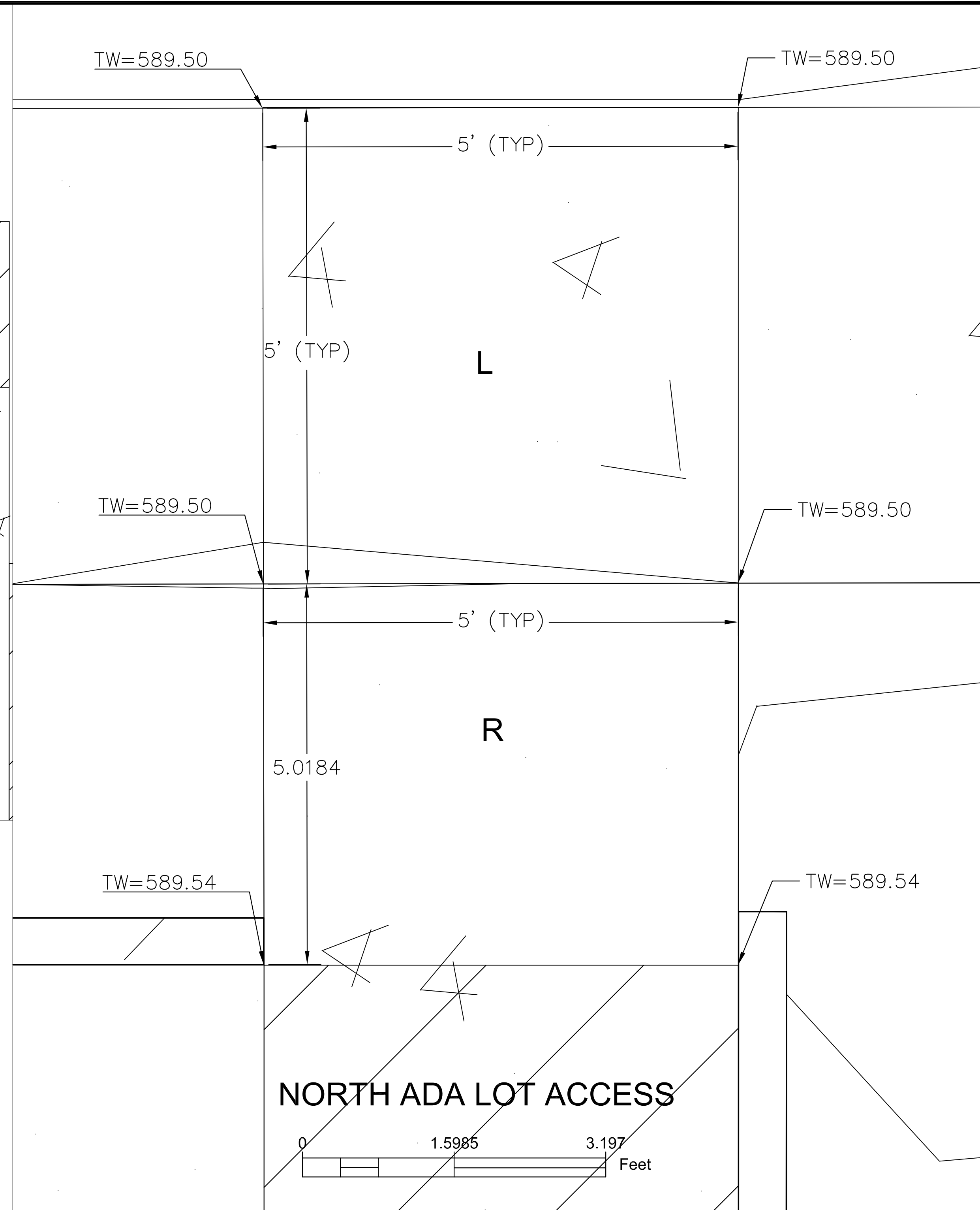
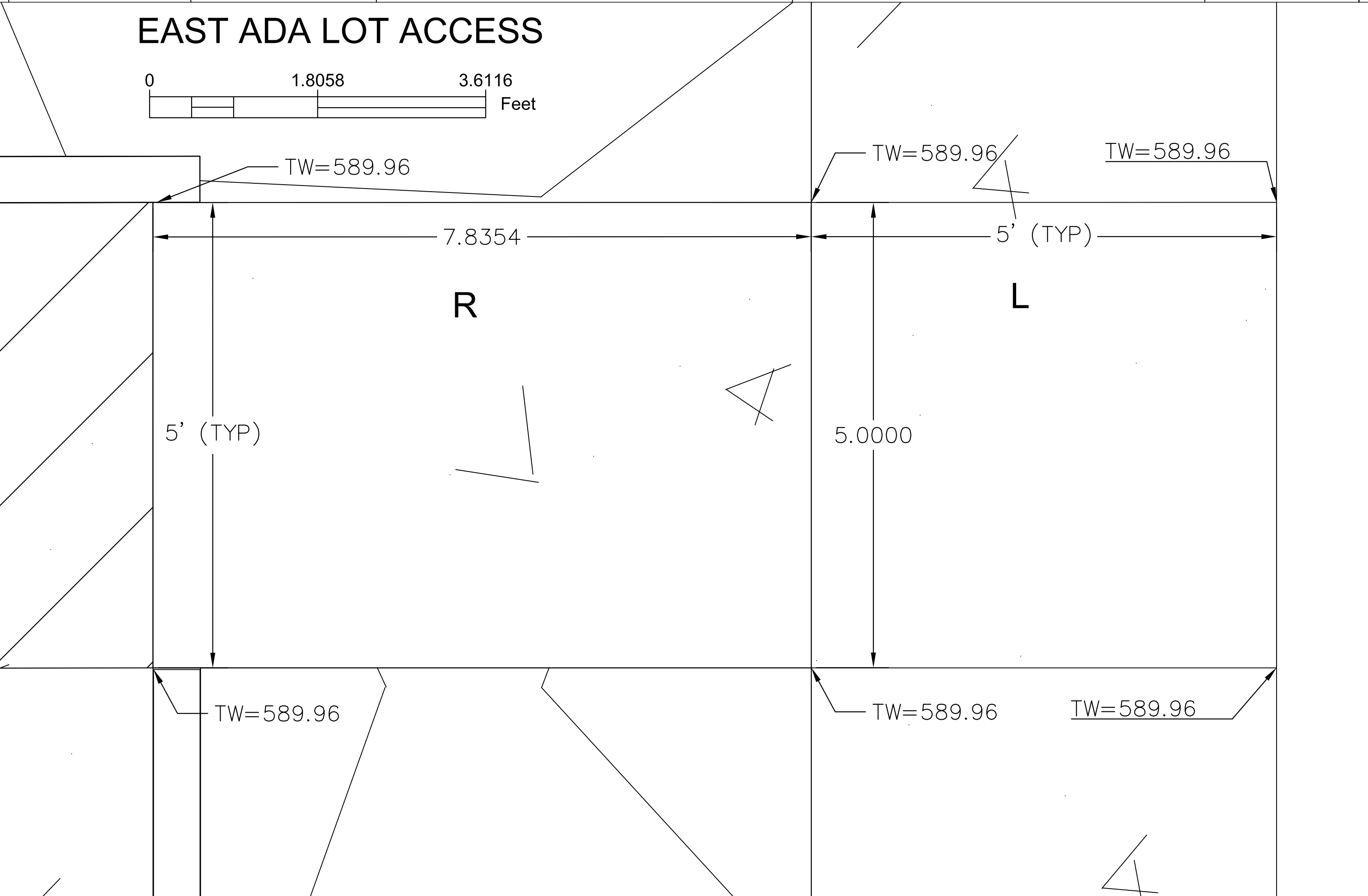
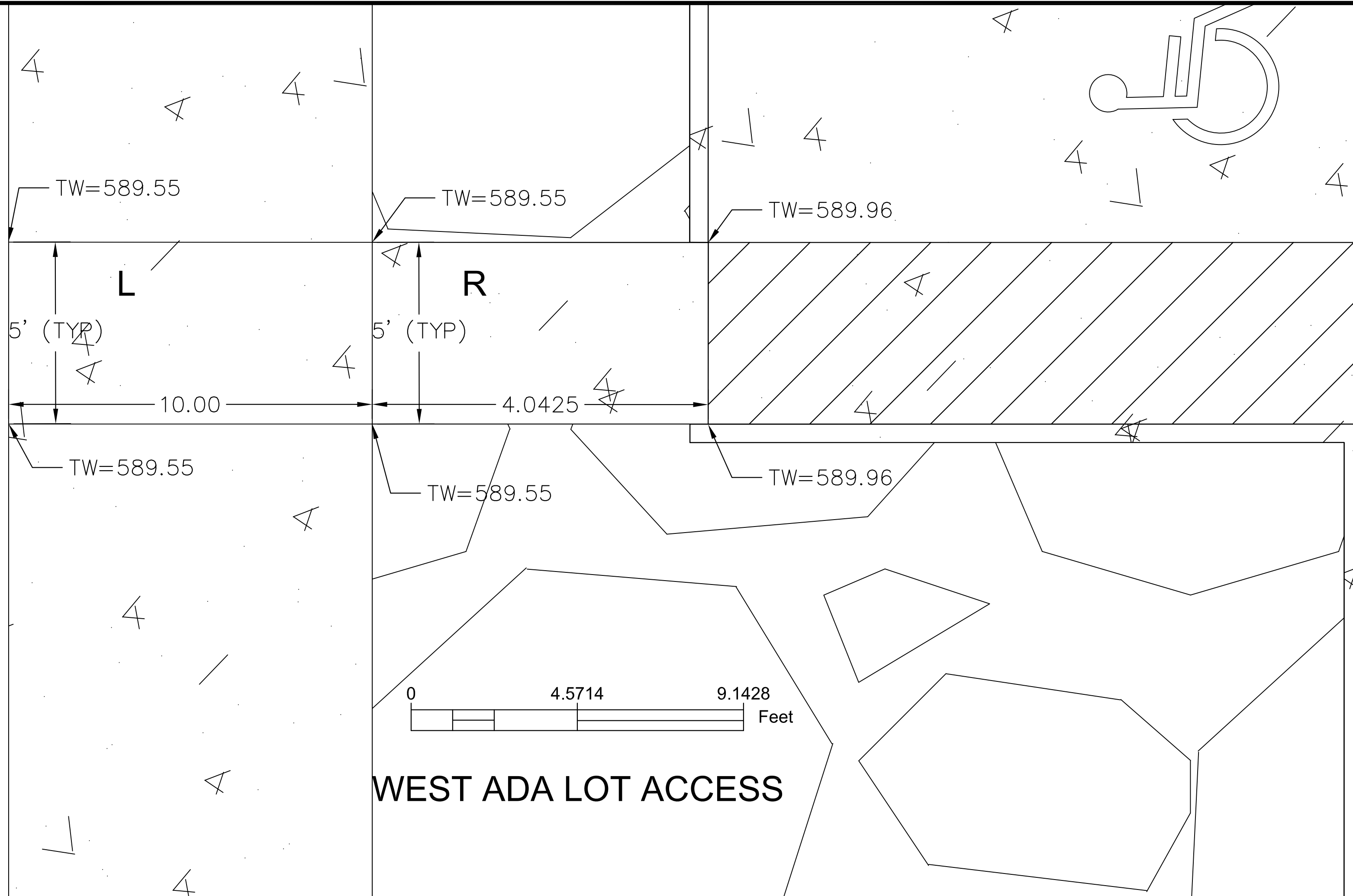
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SHEET NAME

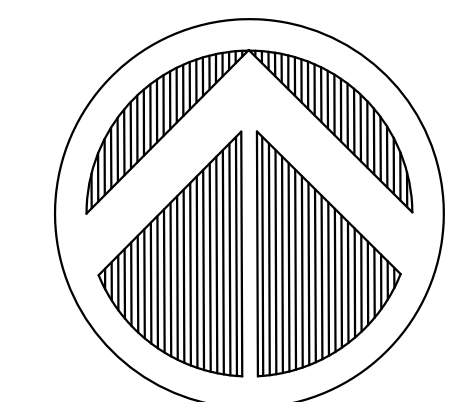
BLUE JAY PROPOSED

SHEET NO.

E-6



ADA LEGEND



R - RAMP
L - LANDING

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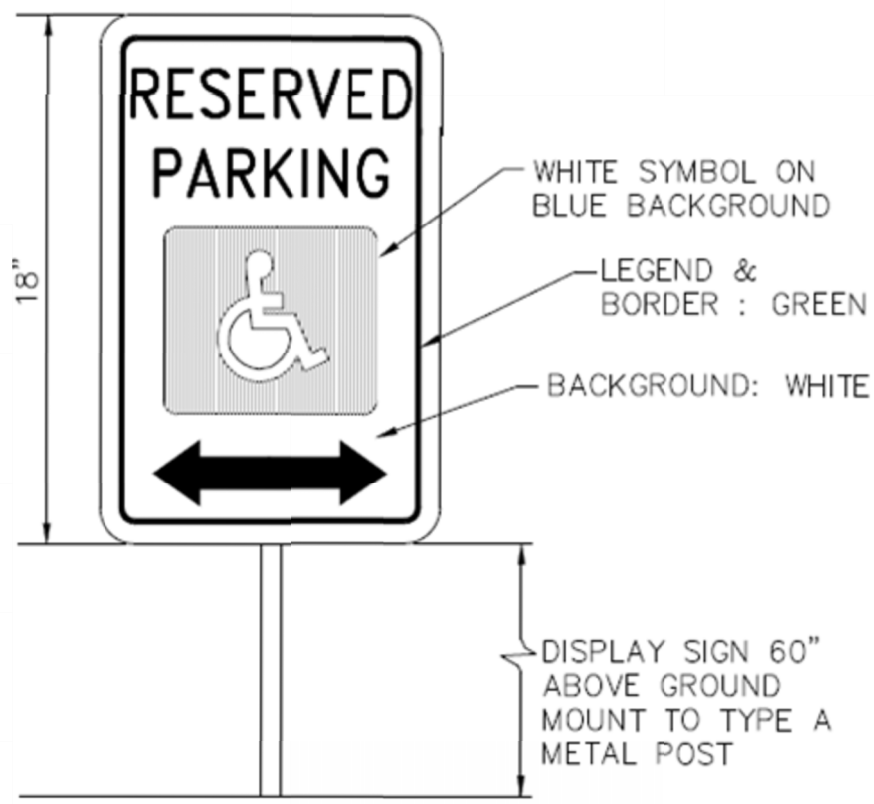
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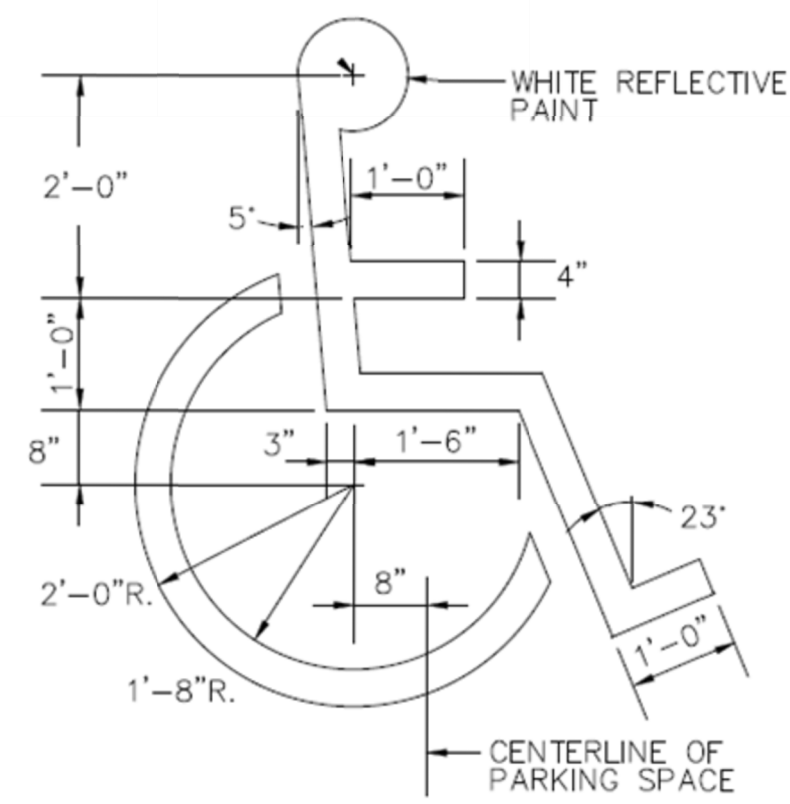
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SHEET NAME
 BLUE JAY
 ADA DETAILS

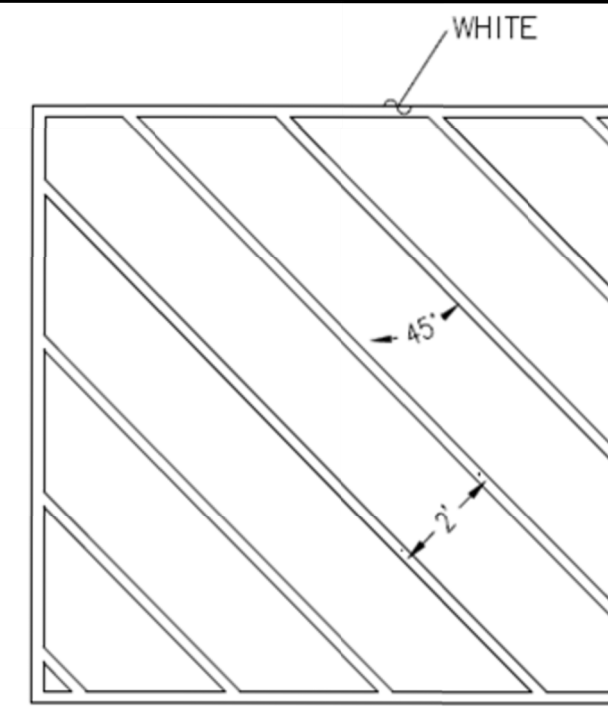
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E-7



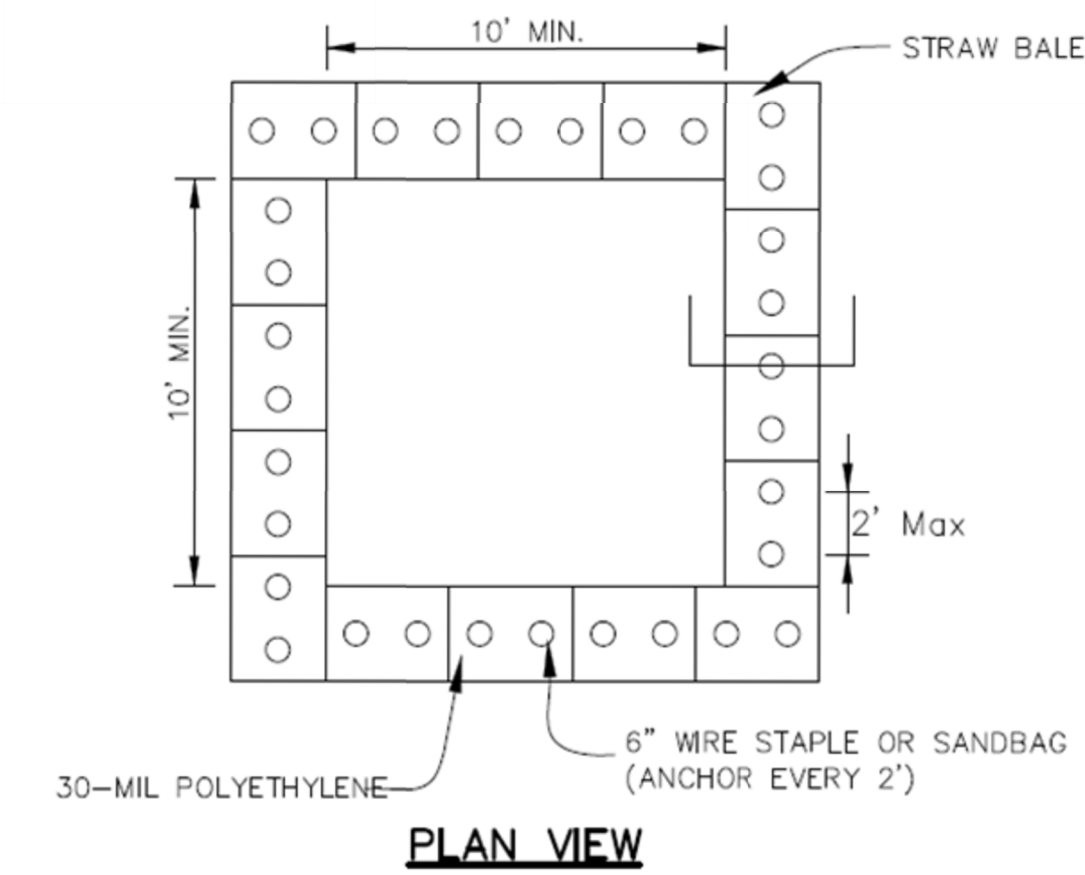
ADA PARKING SIGN
 NOT TO SCALE (PER LATEST ADA REQUIREMENTS)



INTERNATIONAL ADA SYMBOL
 NOT TO SCALE



NOTES:
 1.) SEE CONSTRUCTION PLANS FOR SITE SPECIFIC STALL DIMENSIONS.

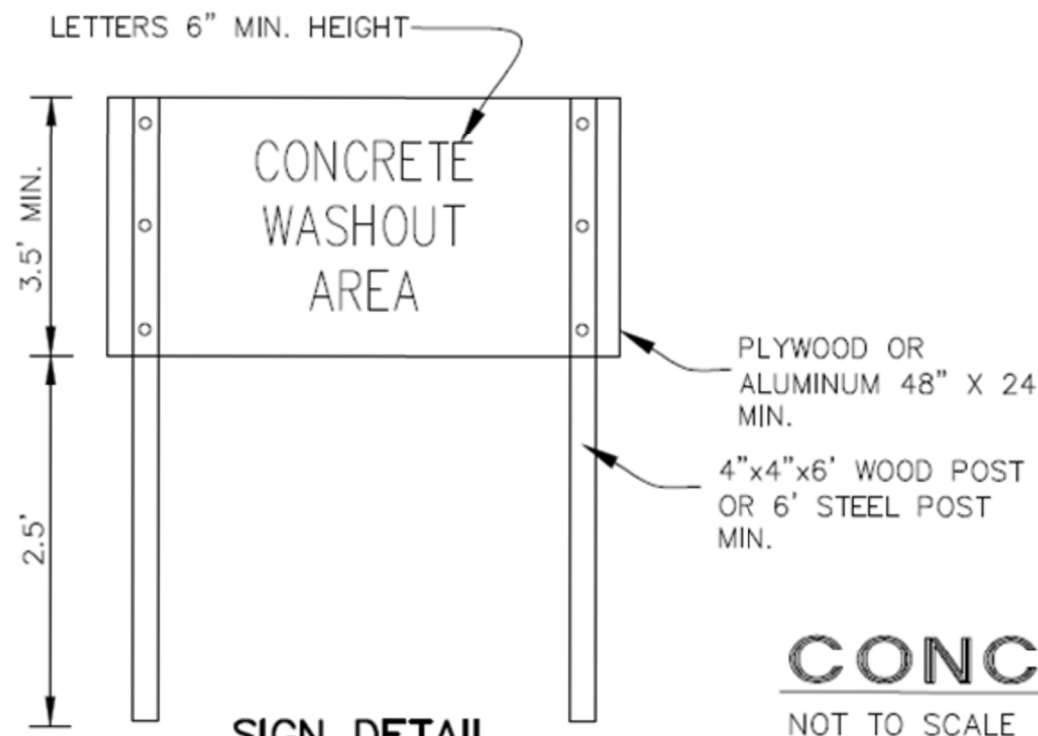


PLAN VIEW

STRAW BALE ANCHOR SECTIONS

NOTES:

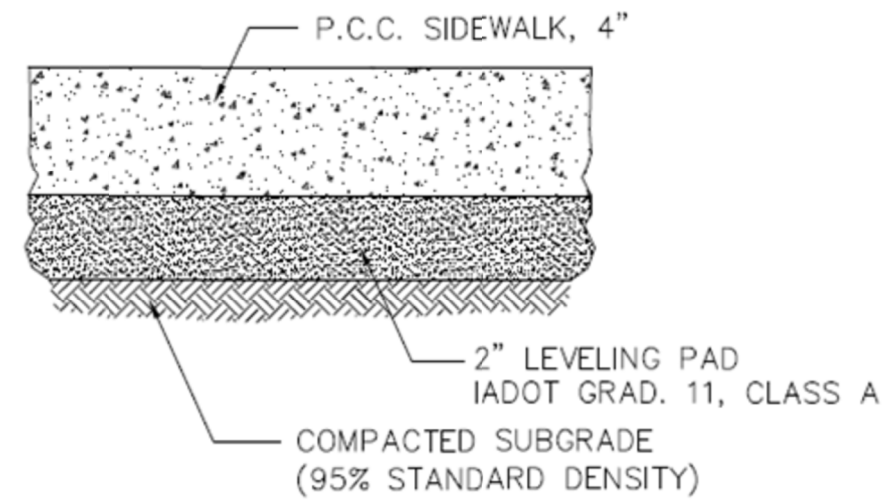
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.



SIGN DETAIL

CONCRETE WASHOUT DETAIL

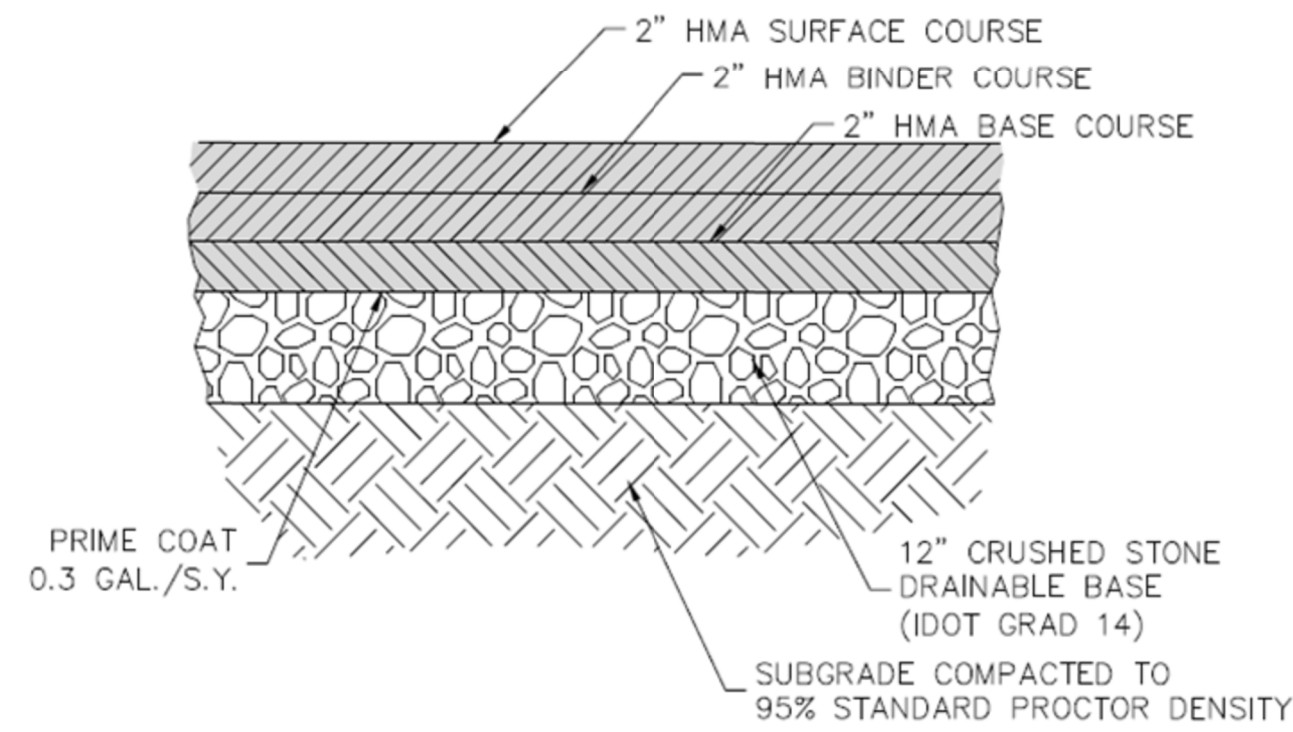
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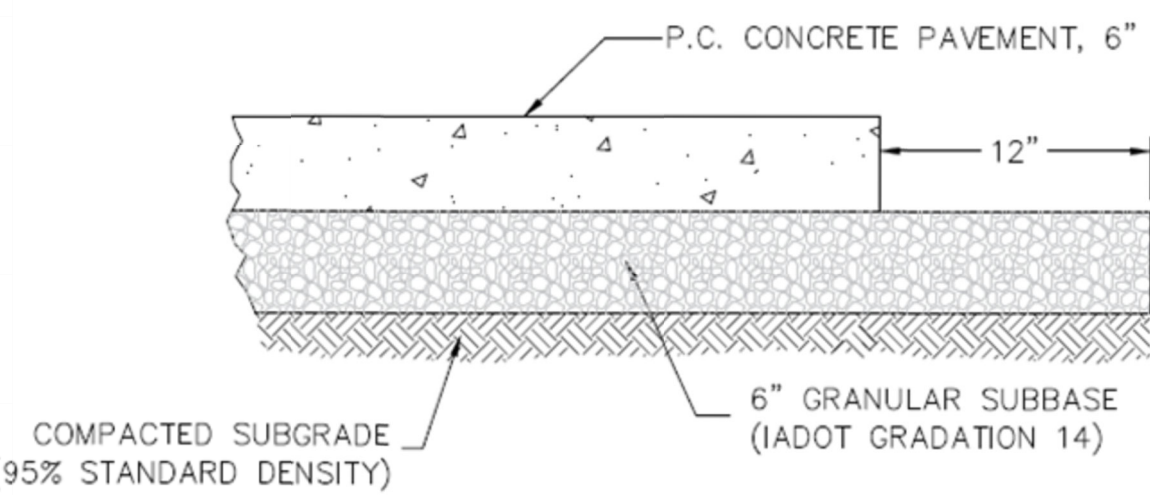
NOTES:

- 1.) PLACEMENT AND COMPACTION OF 2" LEVELING PAD SHALL BE CONSIDERED INCIDENTAL.
- 2.) WHERE CONSTRUCTED ADJACENT TO CONCRETE CURB & GUTTER, PLACEMENT OF 1/2" EXPANSION JOINT SHALL BE CONSIDERED INCIDENTAL.

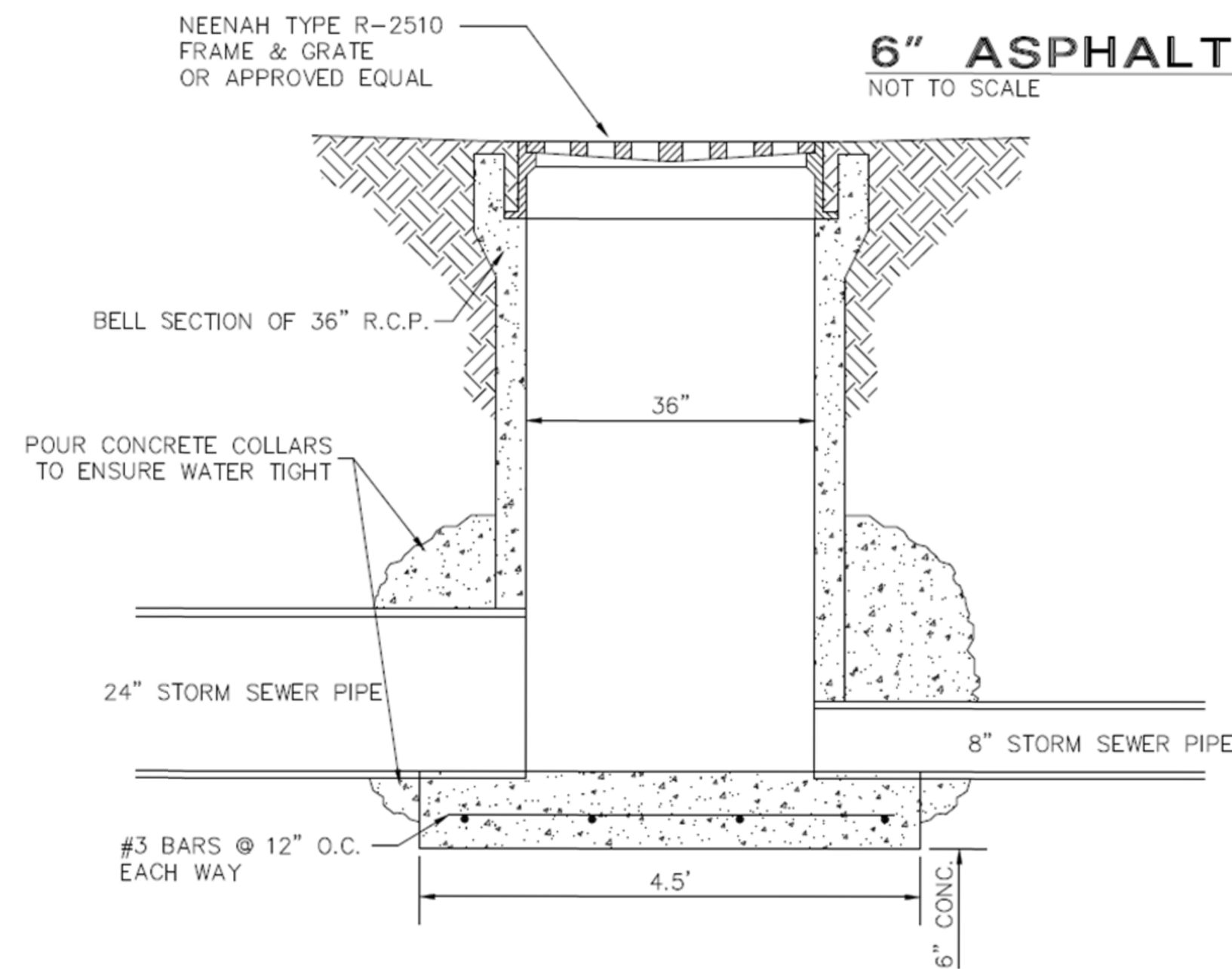
P.C.C. SIDEWALK SECTION
 NOT TO SCALE



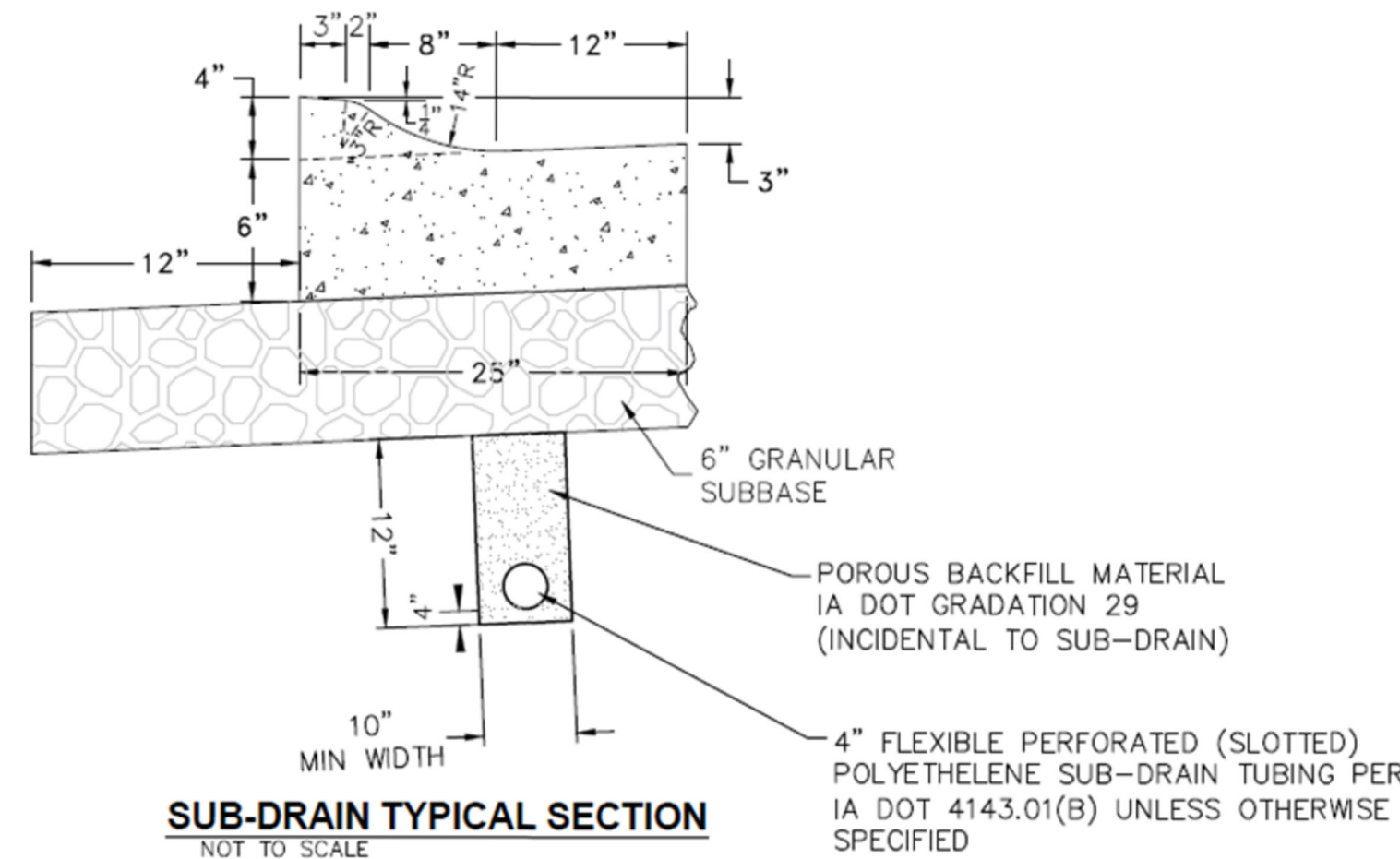
6" ASPHALT PAVING SECTION
 NOT TO SCALE



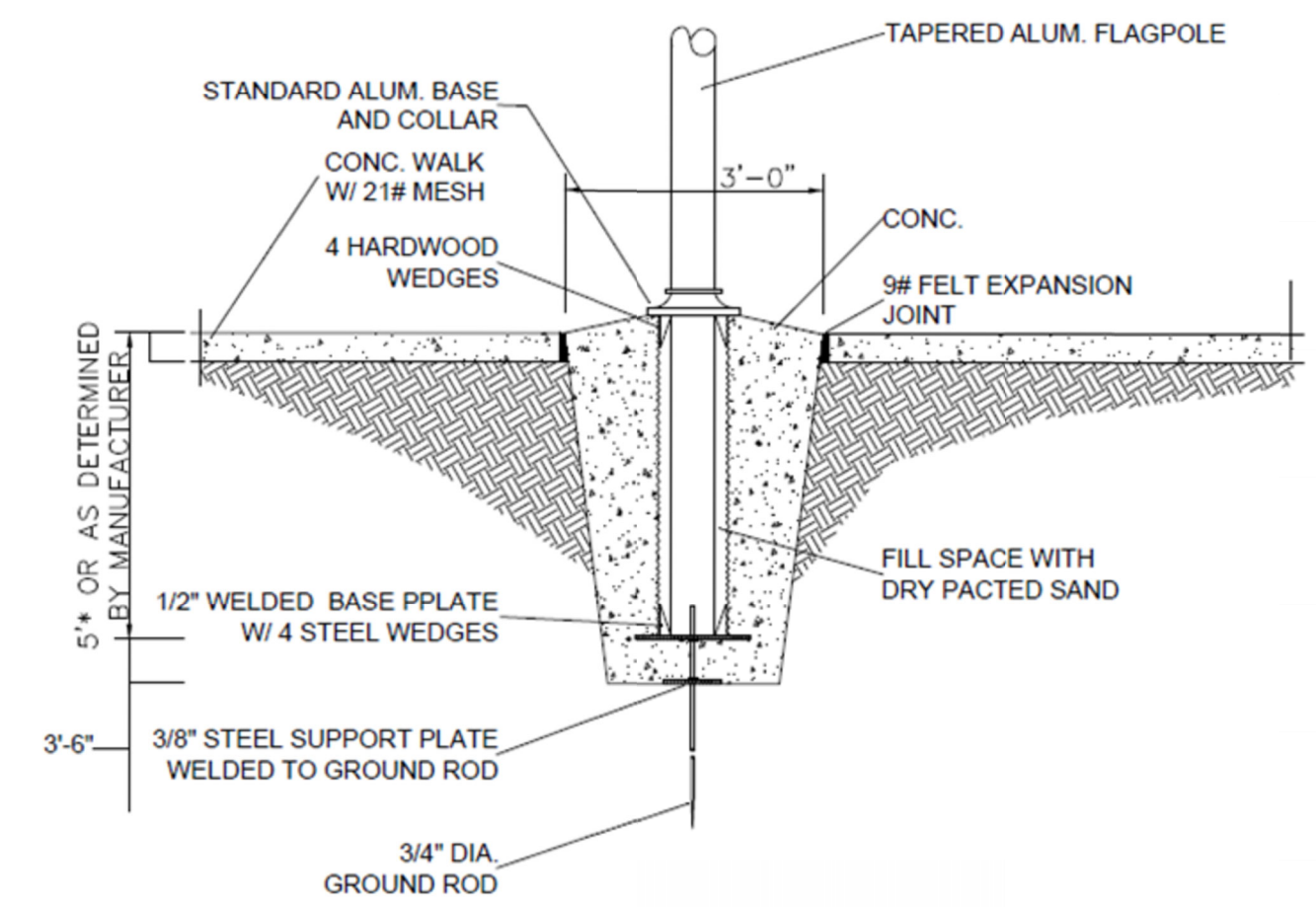
TYPICAL 6" P.C. CONCRETE PAVEMENT SECTION
 NOT TO SCALE



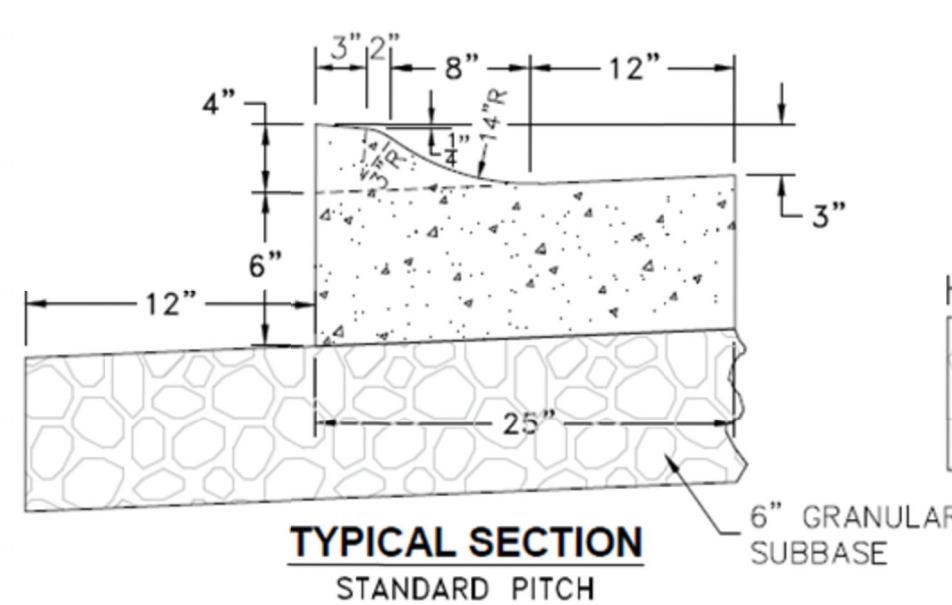
AREA INTAKE DETAIL
 NOT TO SCALE



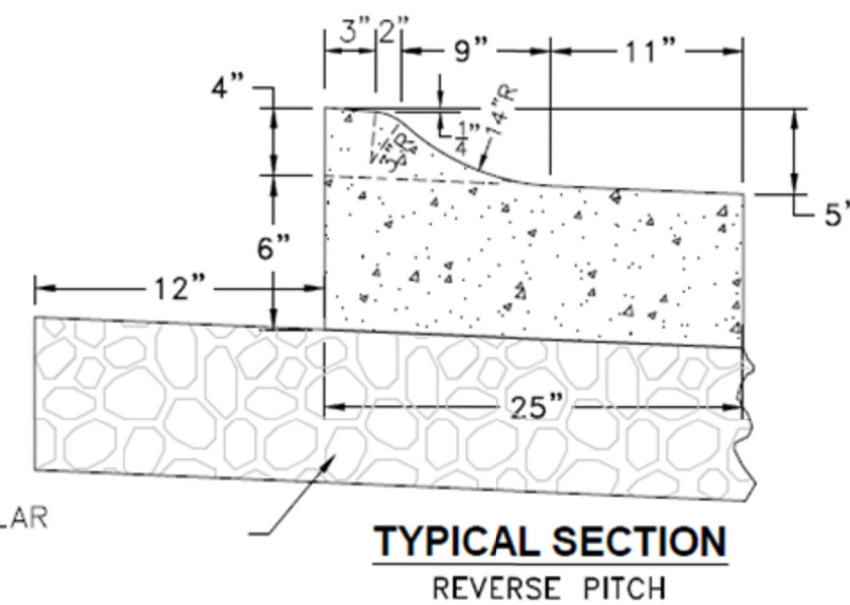
SUB-DRAIN TYPICAL SECTION
 NOT TO SCALE



11 FLAGPOLE BASE DETAIL
 A12.4 NOT TO SCALE

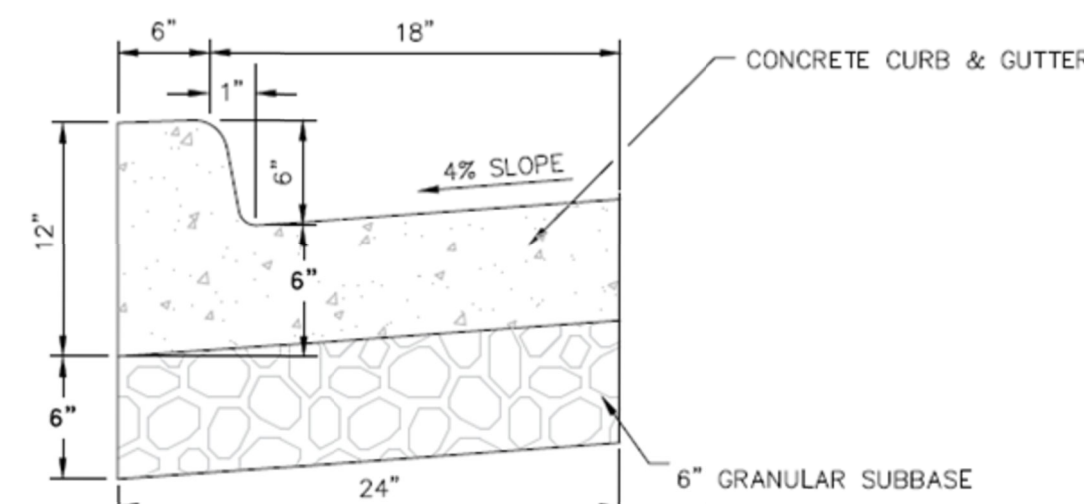


TYPICAL SECTION STANDARD PITCH

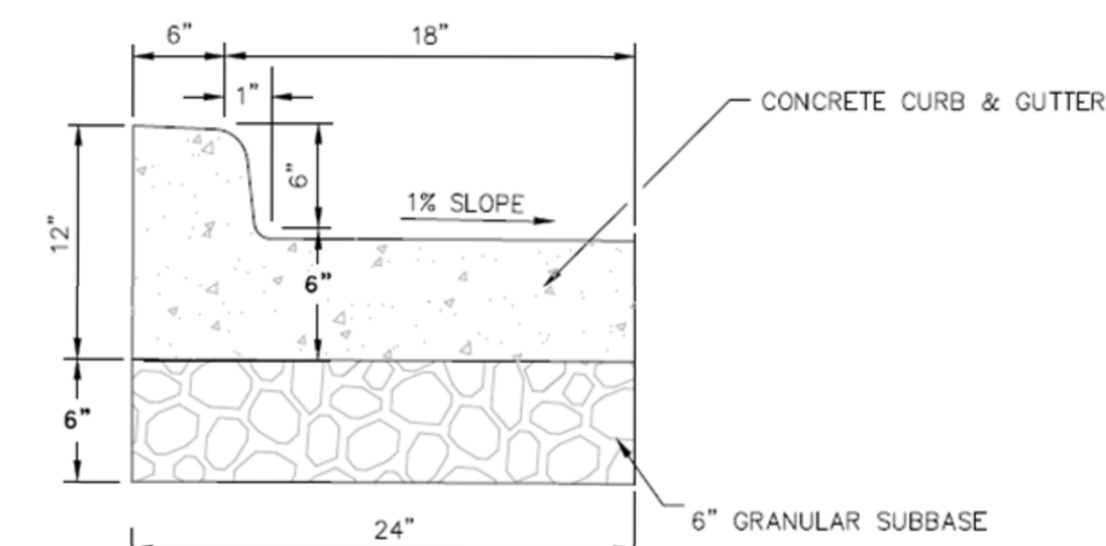


TYPICAL SECTION REVERSE PITCH

P.C.C. ROLL OVER CURB & GUTTER DETAIL
 NOT TO SCALE



TYPICAL CONCRETE CURB & GUTTER DETAIL
 NOT TO SCALE



REVERSE CONCRETE CURB & GUTTER DETAIL
 NOT TO SCALE

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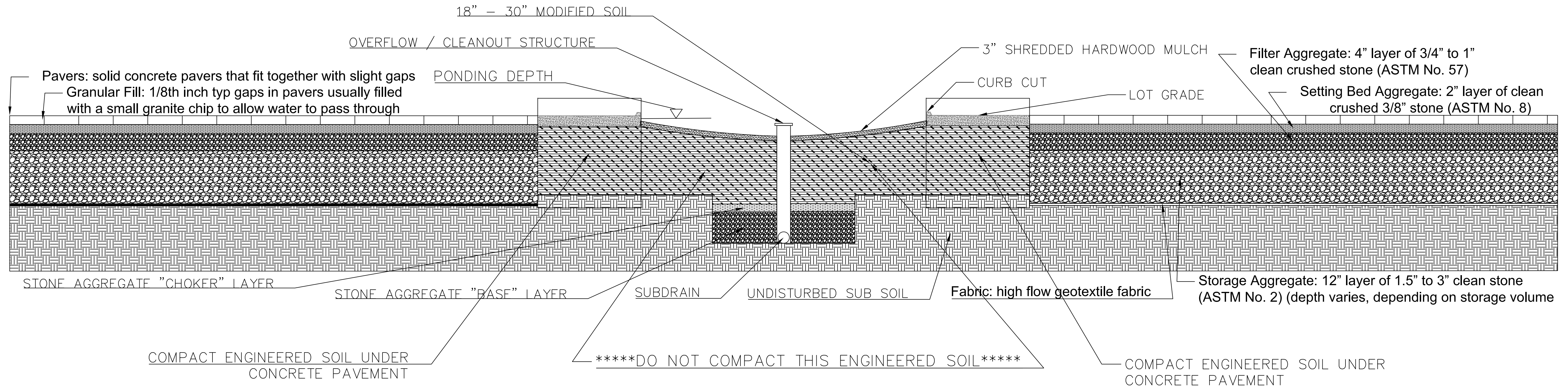
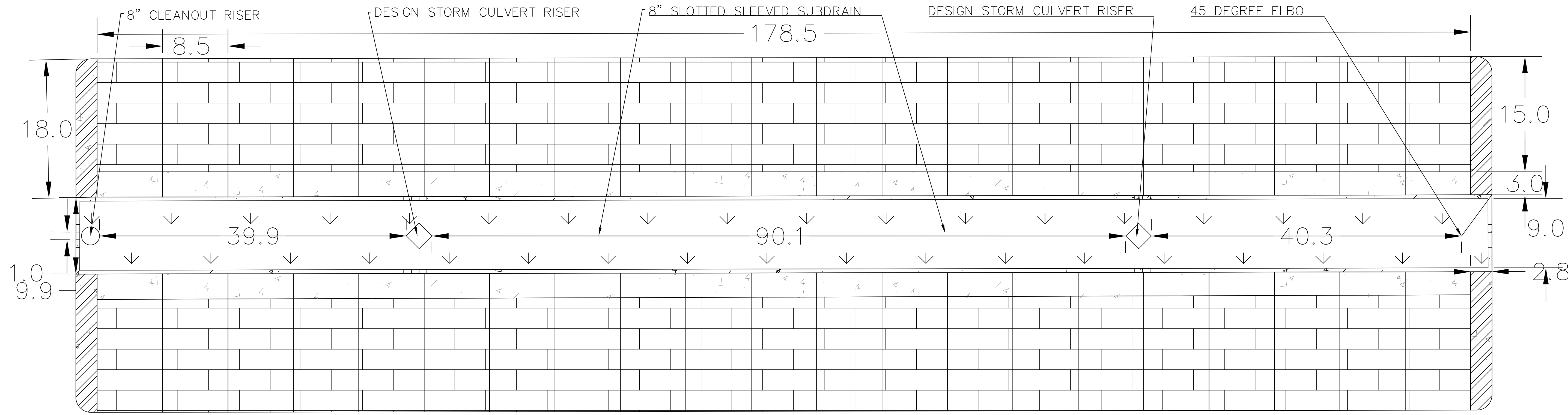


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CLINTON PARKING

399-301 S 4TH ST
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SHEET NAME	BLUE JAY DETAILS
SHEET NO.	E-8



PROJECT:	RFP # 05-SPRING2022
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SHEET NAME
 BLUE JAY
 BIO-RETENTION

SHEET NO.
E-8C

GRACKEL PARKING LOT

CLINTON, IOWA



Know what's below.
Call before you dig.

UTILITY NOTE

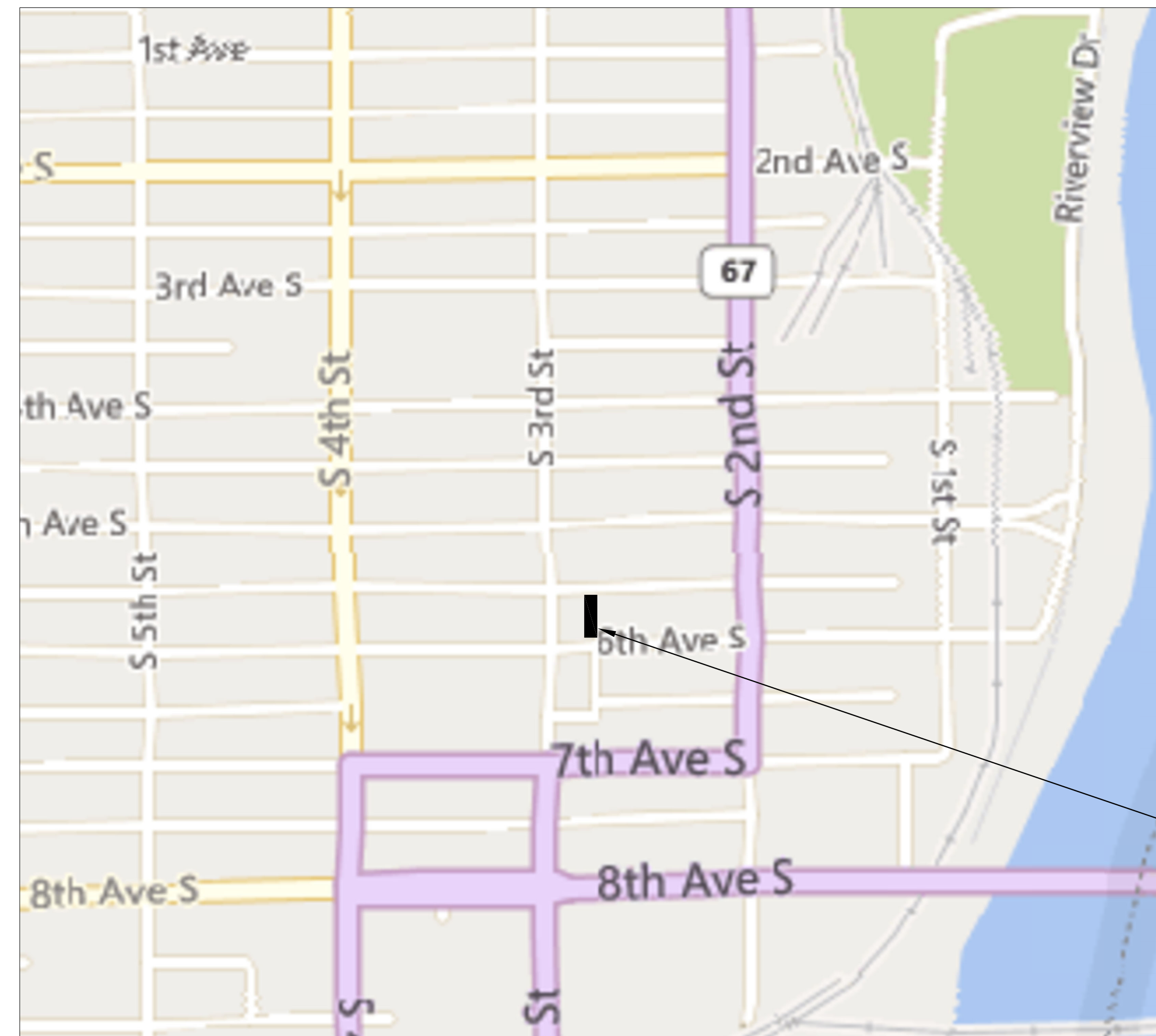
THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ALLIANT ENERGY COMPANY (GAS & ELECTRIC)
2001 BEAVER CHANNEL
CLINTON, IOWA 52732

CITY OF CLINTON (SEWER)
611 S. 3RD STREET
CLINTON, IOWA 52732

IOWA AMERICAN WATER COMPANY (WATER)
5201 GRAND AVENUE
CLINTON, IOWA 52805

MEDIACOM (CABLE)
390 26TH AVENUE
MOLINE, ILLINOIS 61265



VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER
CITY OF CLINTON
611 S. 3RD STREET
CLINTON, IOWA 52732

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Site Location

PROJECT: RFP # 05-SPRING2022
DATE: 04/04/2022
DRAWN BY: CVH
REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
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CLINTON PARK

519 S 3RD ST.
CLINTON, IA 52732

SHEET NAME
GRACKLE LOT
COVER SHEET

SHEET NO.
F-1

GENERAL NOTES

NO.	ITEM	UNIT	QUANTITY
1	HMA & PCC PAVEMENT REMOVAL (PVMT., DRIVE, SIDEWALK, CURB)	SY	945
2	EROSION CONTROL	LS	1
3	SEEDING, FERTILIZING AND MULCHING	AC	0
4	MOBILIZATION	LS	1
5	EARTHWORK EXCAVATION	CY	418.89 (CUT)
6	SLOTTED SUB-DRAINPIPE	LF	140
7	PCC SIDEWALK, 4"	SF	244.4
8	PERMIABLE PAVEMENT	SF	233.3
9	STORM SEWER, 24"	LF	0
10	STORM SEWER, 8"	LF	10
11	ADA PARKING SIGN	EA	1
12	TRAFFIC CONTROL	LS	1
13	TRUNCATED DOMES	SF	0
14	CROSSWALK SIGN	EA	0
15	PCC PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	700

STORM SEWER DRAIN LINES FROM LOT ARE TO TIE INTO EXISTING STORM CATCH BASINS. EXISTING STORM SEWER IS PRESERVED.

ALTERNATE BID

INSTEAD OF 6" PCC ON 12" GRANULAR SUBBASE, PAVING SECTION SHALL BE 6" HMA ON 12" GRANULAR SUBBASE. ADDED AND SUBTRACTED QUANTITIES FOR THIS ALTERNATE BID ARE AS FOLLOWS:

ALTERNATE BID ESTIMATED SUMMARY OF QUANTITIES

NO.	ITEM	UNIT	QUANTITY
1	PCC PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	-700
2	HMA PAVEMENT, 6" ON GRANULAR SUBBASE, 12"	SY	700
3	6" PCC CURB & GUTTER, 24"	LF	200
4	4" PCC CURB & GUTTER, 25"	LF	0
5	EARTHWORK EXCAVATION	CY	418.89 (CUT)

GRADING NOTES

- EXISTING VEGETATION AND ROOT ZONE SHALL BE COMPLETELY STRIPPED TO A DEPTH OF 6". TOPSOIL SHALL THEN BE STOCKPILED ON SITE TO BE RE-USED AS NON-STRUCTURAL FILL AND RE-SPREAD PRIOR TO SEEDING/SODDING.
- PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.
- THE EXPOSED SUBGRADE SHALL BE PROOF ROLLED THOROUGHLY TO DETECT ANY UNSUITABLE AREAS. AT THE DIRECTION OF THE ENGINEER, THESE REGIONS SHALL BE STABILIZED TO MEET DENSITY REQUIREMENTS BY CORING OUT AND REPLACING WITH STABILIZATION ROCK OR OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL DISC AND DRY SUBGRADE FOR NO LESS THAN 3-WORKING DAYS IF PROOF ROLLING FAILS
- ALL UNSUITABLE MATERIAL, SEALCOAT, CONCRETE, ETC. SHALL BE PROPERLY DISPOSED OF OFF SITE.
- ALL DISTURBED LANDSCAPING AREAS SHALL BE SEEDED WITH SUDAS SEED MIXTURE PLACED ON A PREPARED SEEDBED. FERTILIZING AND MULCHING SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. ALL AREAS TO BE SEEDED SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL.
- PAVEMENT REMOVALS ARE ESTIMATED AT 6" THICK FOR ASPHALT AND CONCRETE.

- THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF CLINTON REQUIREMENTS, THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" LATEST EDITION; IOWA SUDAS SPECIFICATIONS; THE CONTRACT DOCUMENTS AND THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER FOR THE CITY OF CLINTON AND ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT IS POSSIBLE THAT THERE ARE OTHER UTILITIES WHOSE EXISTENCE IS PRESENTLY NOT KNOWN OR SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AND TO AVOID DAMAGE THERETO. MINOR CONFLICT WITH UNDERGROUND UTILITIES THAT ARE ABANDONED BUT NOT REMOVED BY THE UTILITY COMPANY SHALL BE REMOVED AS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT BY THE CONTRACTOR. REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT AND SHALL NOT ENTITLE THE CONTRACTOR TO ANY EXTRA COMPENSATION.
- THE CITY AND UTILITY COMPANIES SHALL HAVE ACCESS TO THE PROJECT FOR CONSTRUCTION AND TO MAKE EXTENSIONS OR ADJUSTMENTS OF SERVICES. NO CLAIM FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
- ALL UNSUITABLE MATERIAL, CONSTRUCTION DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS, AND EXISTING PAVEMENT, SIDEWALKS AND DRIVEWAY PAVEMENT SCHEDULED FOR REMOVAL SHALL BE PROPERLY DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS AND GUIDELINES. THE CONTRACTOR SHALL DISPOSE OF REMOVED CONCRETE IN A METHOD APPROVED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS OR UNDESIRABLE MATERIAL, WHICH IS NOT TO BE INCORPORATED IN THE WORK INVOLVED IN THIS PROJECT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES.
- PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO PRIVATE PROPERTY.
- EROSION CONTROL FEATURES SHALL BE INCORPORATED INTO THE CONSTRUCTION AT THE EARLIEST POSSIBLE TIME TO LIMIT EROSION AND STREAM POLLUTION AND SHALL BE MAINTAINED UNTIL ACCEPTANCE OF THE PROJECT BY THE CITY.
- ALL STORM SEWER INLETS THAT RECEIVE DRAINAGE FROM EXPOSED EARTH AREAS SHALL BE PROTECTED FROM INTAKE OF ERODED SOIL WITH COMPOST FILTER SOCK OR OTHER ACCEPTABLE INLET PROTECTION MEASURES. THE INLET PROTECTION SHALL BE MAINTAINED ACCORDING TO THE PROJECT SWPPP.
- WHEN NOT INITIATED AT AN EXISTING JOINT, REMOVAL OF EXISTING CONCRETE PAVEMENT, ASPHALT OR CONCRETE DRIVES AND SIDEWALKS SHALL BE INITIATED WITH FULL DEPTH SAW CUTS, EXERCISING EXTREME CARE TO AVOID SURFACE BREAKS AND SPALLING. IF SURFACE BREAKS OR SPALLING OCCUR, ADDITIONAL REMOVAL AND REPLACEMENT SHALL BE MADE AT THE CONTRACTOR'S EXPENSE. THE COST OF SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION.
- THE CONTRACTOR SHALL PREVENT SILT AND DEBRIS FROM ENTERING STORM AND SANITARY SEWERS AND SHALL REMOVE ANY SUCH MATERIAL THAT ENTERS THE SEWERS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- CARE SHALL BE TAKEN TO PREVENT STORM WATER FROM UNDERMINING THE PAVEMENT DURING CONSTRUCTION. IF AREAS BECOME UNDERMINED, THEY SHALL BE REPAIRED IN A MANNER ACCEPTABLE TO THE ENGINEER. PRESSURE GROUTING MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ADJACENT STREETS AND PROPERTY FREE FROM EXCESSIVE BUILD-UP OF SOIL AND/OR GRANULAR MATERIAL FROM THE PROJECT. THE CONTRACTOR SHALL CLEAN EXCESS SOIL AND OTHER MATERIAL FROM THE ADJACENT STREETS ON A DAILY BASIS TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE DONE TO EXISTING STREETS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT THE SPREAD OF DUST FROM THE CONSTRUCTION AREAS AND HAUL ROUTES, WHICH MAY INCLUDE THE APPLICATION OF WATER AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THAT THE PROFILES AND GRADES OBTAINED ARE AS SHOWN ON THE PLANS AND GRADE SHEETS. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS.
- ANY PROPERTY DAMAGE OR DISTURBANCE TO PRIVATE PROPERTY OUTSIDE OF GRADING/CONSTRUCTION LIMITS SHALL REQUIRE THE CONTRACTOR TO RESTORE THE PROPERTY TO ORIGINAL OR BETTER CONDITION AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED BETWEEN THE PLANS AND SPECIFICATIONS AND THE EXISTING FIELD CONDITIONS.
- CONSTRUCTION STAKING, INSPECTION AND TESTING SHALL BE THE RESPONSIBILITY OF THE OWNER.
- TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAILS AND STANDARDS SHOWN IN THESE PLANS AND THE CONTRACT DOCUMENTS, AND IN COMPLIANCE WITH IOWA DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- PROPERTY CORNERS SHALL BE PROTECTED DURING CONSTRUCTION. PROPERTY CORNERS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED AT HIS OWN EXPENSE.
- ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.
- PAVEMENT REMOVAL SHALL INCLUDE ALL PCC SIDEWALK, PCC PAVEMENT, HMA PAVEMENT AND PCC CURB REMOVAL.
- PAVEMENT STRIPING SHALL BE PERFORMED BY OTHERS ON THIS PROJECT.

- CONCRETE PAVEMENT SAW-CUTS SHALL BE SPACED A MAXIMUM OF 12' APART AND SHALL BE MADE AT RIGHT ANGLES TO ADJACENT SAW-CUTS WHEREVER POSSIBLE. ALL SAW-CUTTING PLANS SHALL BE DISCUSSED WITH THE ENGINEER BEFORE LAYOUT OF CUT LINES.
- PARKING LOT TO BE CONSTRUCTED IN TWO PHASES. THE NORTH HALF OF THE PARKING LOT SHALL BE FULLY REMOVED, CONSTRUCTED, AND OPENED BEFORE WORK COMMENCES ON THE SOUTH HALF OF THE LOT. THE FINAL STAGE OF CONSTRUCTION SHOULD BE THE SIDEWALKS. BEFORE WORK COMMENCES ON NORTH HALF OF LOT, CONTRACTOR SHALL REMOVE CENTER PORTION OF LOT AND REPLACE WITH 30' STRIP OF GRANULAR BASE STONE IN ORDER TO PROVIDE CIRCULATORY PATH FOR VEHICLES DURING CONSTRUCTION. THIS GRANULAR MATERIAL SHALL BE USED FOR BASE STONE AND IS INCIDENTAL TO PAVING ITEM.
- ALL 24" STORM SEWER SHALL BE PVC, RCP, OR POLYPROPYLENE PIPE CONFORMING WITH SUDAS STANDARDS. ALL 8" PIPE SHALL BE PVC SDR 26 PIPE CONFORMING WITH SUDAS STANDARDS.
- ALL DRAIN TILE SHALL BE PVC TYPE 1 SUB-DRAINPIPE WITH CAP ON END AND CONNECTION TO STRUCTURE INCIDENTAL. BACKFILL SHALL BE WASHED CHIPS, ALSO INCIDENTAL.
- ALL LIGHTING WORK TO BE DONE BY SEPARATE CONTRACTOR WILL BE COORDINATED BY THE CITY. CONTRACTOR FOR THIS PROJECT SHALL COOPERATE WITH THE ELECTRICAL CONTRACTOR HIRED BY THE CITY.

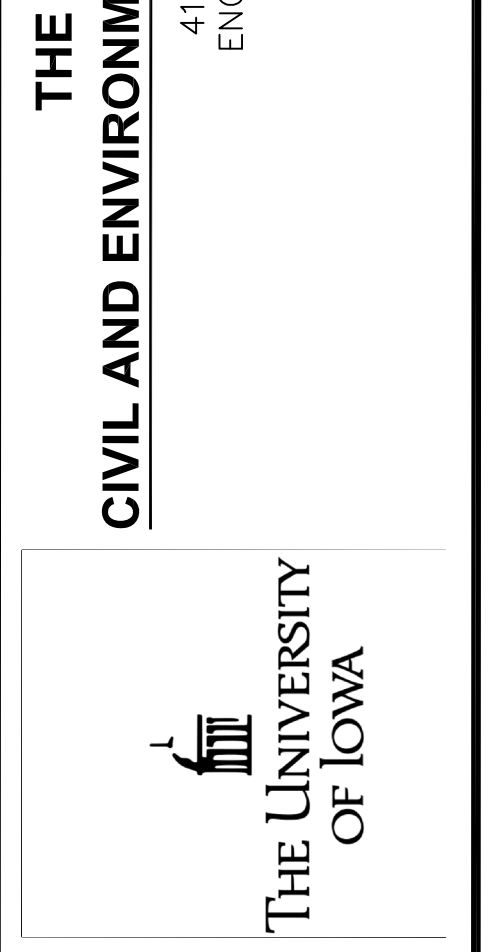
LEGEND

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		SANITARY MANHOLE
		WATER VALVE
		CONTOUR
		PROPERTY LINE
		EASEMENT LINE
		SANITARY SEWER
		STORM SEWER
		WATER LINE
		SILT FENCE
		GAS LINE
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		MAIL BOX

ABBREVIATIONS

TEP	TOP OF EXISTING PAVEMENT
TC	TOP OF CURB
TP	TOP OF PAVEMENT
EP	EDGE OF PAVEMENT
TW	TOP OF SIDEWALK
TRW	TOP OF RETAINING WALL
FL	FLOWLINE
ME	MATCH EXISTING GRADE
EX	EXISTING
INV	INVERT

PROJECT: RFP # 05-SPRING2022	DATE: 04/19/2022	DRAWN BY: IMEG / CVH	REVISION:
THE UNIVERSITY OF IOWA CIVIL AND ENVIRONMENTAL ENGINEERING			
4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowa.edu			



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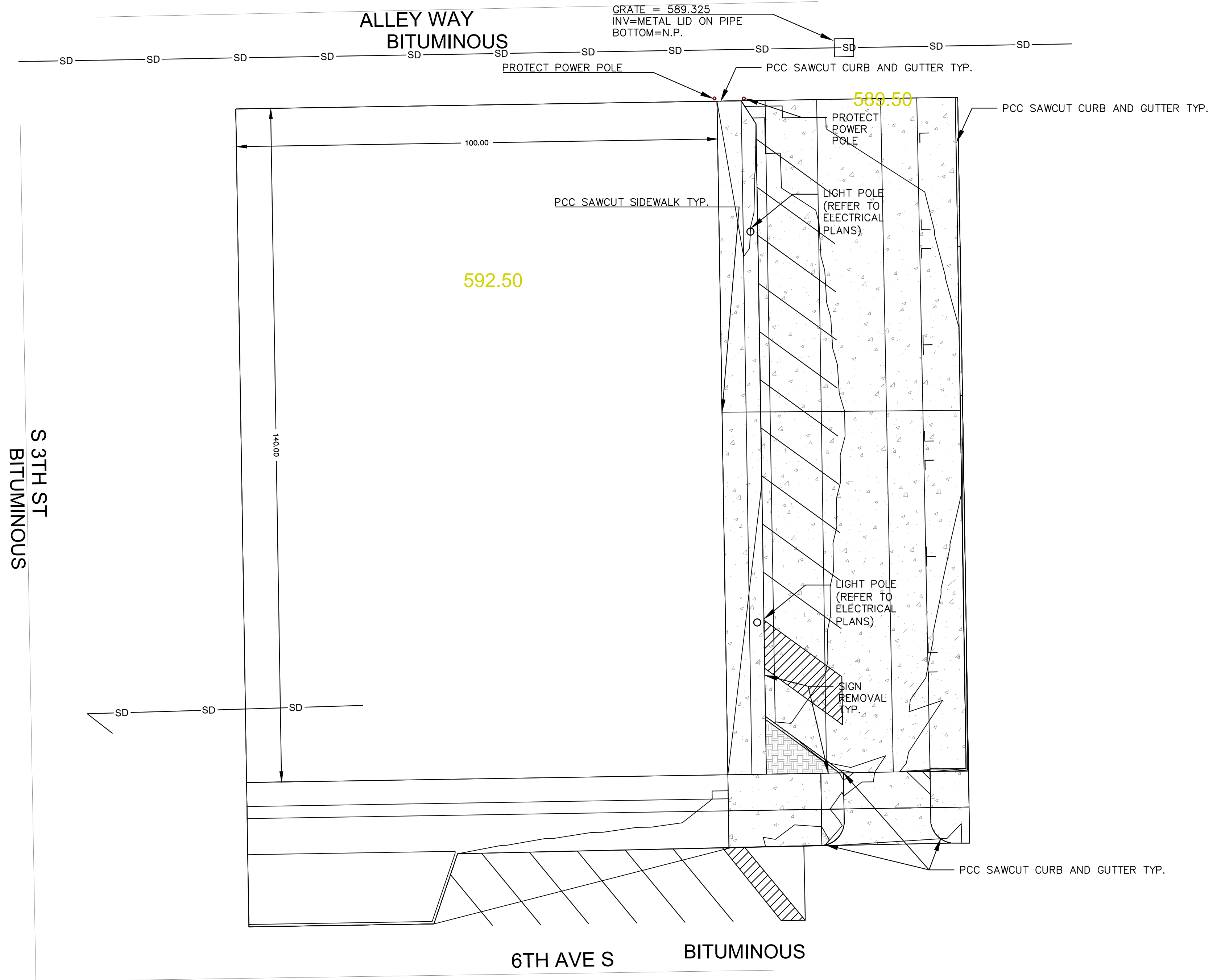
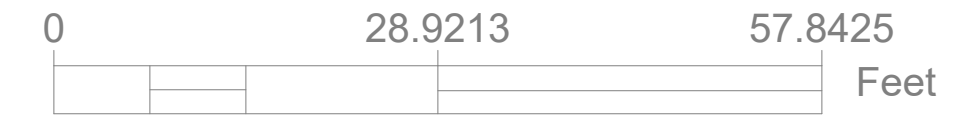
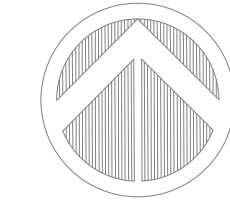
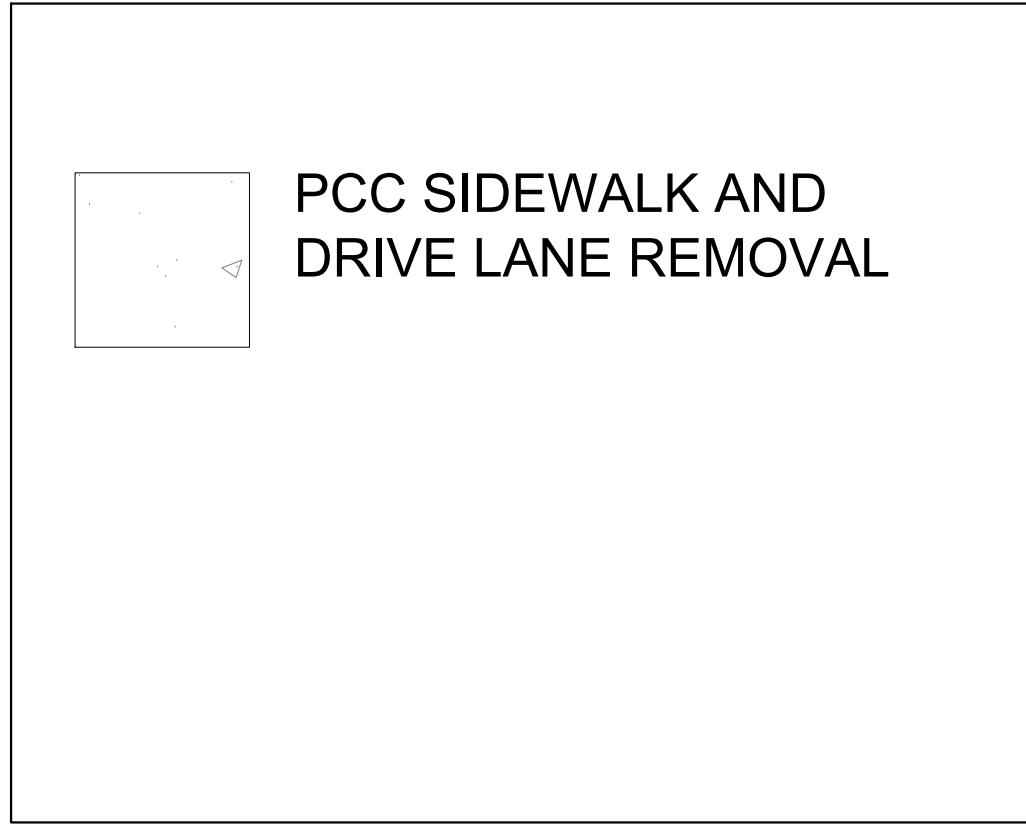
CLINTON PARKING

519 S 3RD ST
CLINTON, IA 52732

SHEET NAME
GRACKLE NOTES & LEGEND

SHEET NO.
F-2

LEGEND:



PROJECT:	RFP # 05-SPRING2022
DATE :	04/09/2022
DRAWN BY:	CVH
REVISION:	

THE UNIVERSITY OF IOWA
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CLINTON PARKING

519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME
 GRACKLE EXISTING

SHEET NO.
F-3

UTILITY & PIPE MATERIAL NOTES

PIPE MATERIAL AND SPECIFICATION SHALL CONFORM WITH LOCAL PLUMBING CODES

BACKFILL: IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS SECTIONS 3010 AND 3020.

SITE NOTES:

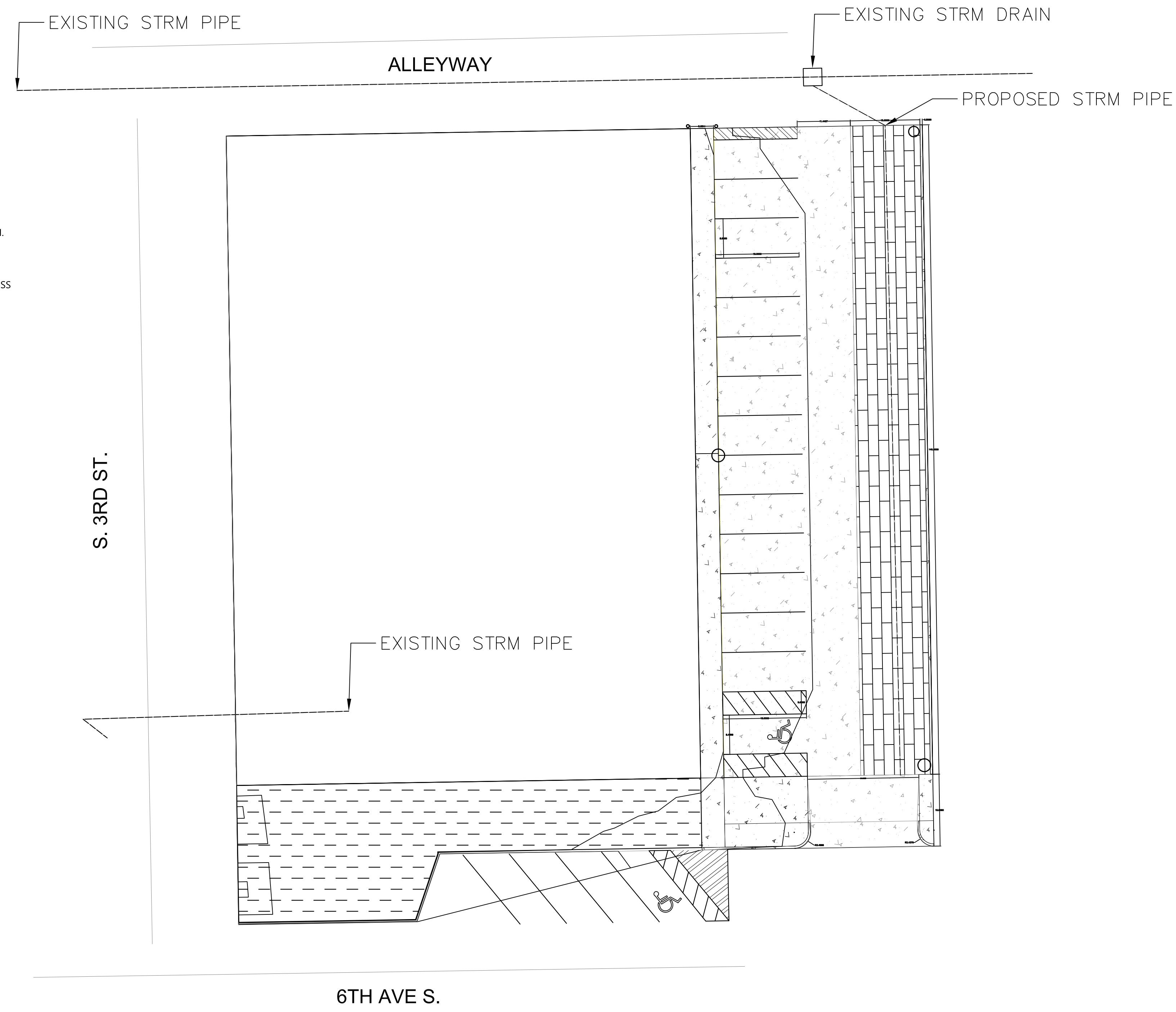
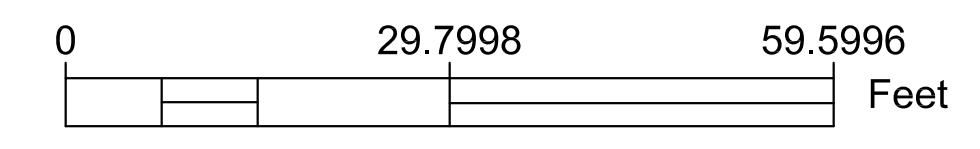
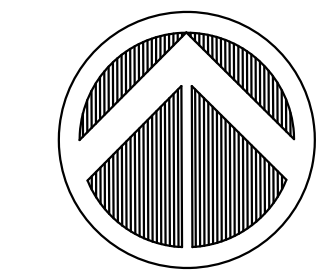
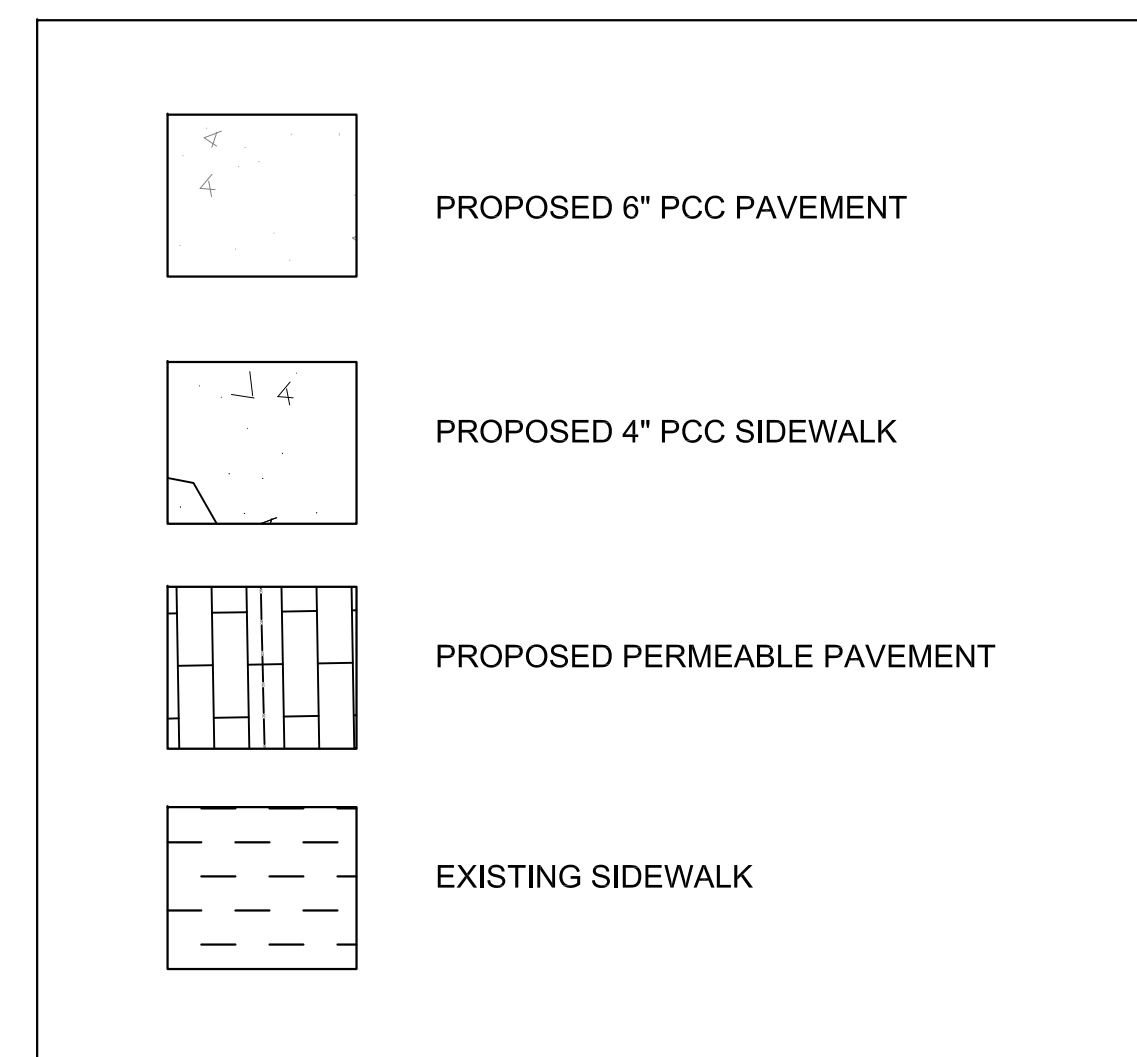
1. ALL WORK AND MATERIALS SHALL COMPLY WITH IOWA SUDAS, CITY OF CLINTON, ALL WORK AND MATERIALS SHALL COMPLY WITH IOWA SUDAS, CITY OF CLINTON, IA REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF PROPOSED EXTERIOR SITE LIGHTING MUST USE CODE COMPLIANT CUT OFF FIXTURES. (SEE ELECTRICAL PLANS FOR SITE LIGHTING DETAILS.)
3. PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED PRIOR TO INSTALLATION OF SITE SIGNAGE, A SEPARATE SIGN PERMIT SUBMITTED BY LICENSED SIGN CONTRACTOR MUST BE SUBMITTED TO PLANNING, BUILDING, AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL.
4. PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY PROPERTY CORNERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY DISTURBED BY CONTRACTOR OPERATIONS SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT CONTRACTOR'S EXPENSE.
5. ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB ALL DIMENSIONS AND RADIUS MEASUREMENTS ARE TO THE BACK OF CURB UNLESS OTHERWISE SHOWN.

SITE PARKING:

	PROVIDED
REGULAR SPACES	14
ADA SPACES	1
TOTAL SPACES	15

GREENSPACE:

	EXISTING	PROPOSED
GREENSPACE	0 ACRE	0 ACRE
TOTAL SITE	0.18 ACRE	0.18 ACRE



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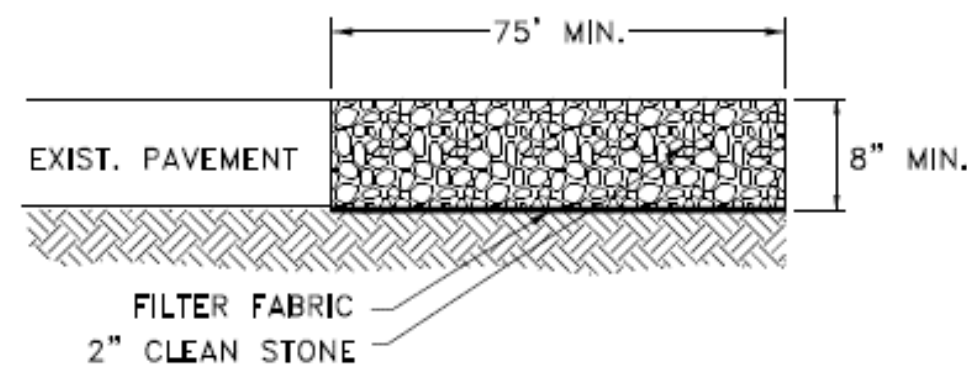
CLINTON PARKING
 519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME
 GRACKLE PIPE & UTILITY

SHEET NO.
F-4

EROSION CONTROL NOTES

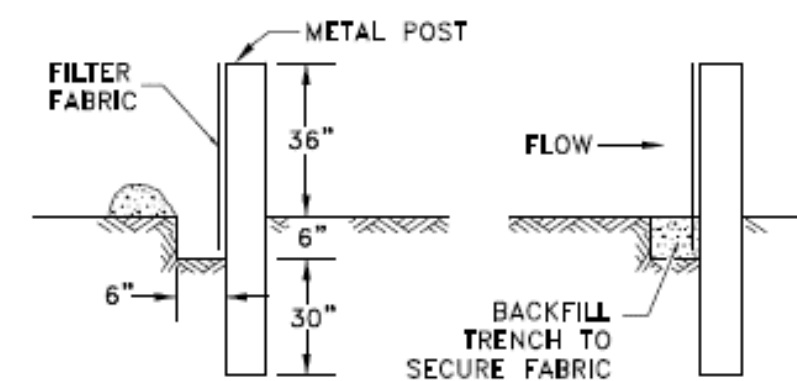
- ALL EROSION CONTROL FEATURES SHALL BE IN ACCORDANCE WITH THE PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL AND THE IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION" LATEST EDITION INSOFAR AS APPLICABLE.
- INSTALL EROSION CONTROL MEASURES, WHERE POSSIBLE, PRIOR TO THE COMMENCEMENT OF ANY EARTH DISTURBING OPERATIONS. ANY REMAINING CONTROL MEASURES MUST BE INSTALLED AS SOON AS REASONABLY POSSIBLE AFTER GRADING OPERATIONS BEGIN.
- THE CONTRACTOR SHALL DESIGNATE, PRIOR TO BEGINNING CONSTRUCTION, A PERSON OR PERSONS WHO CAN BE CONTACTED IN AN EMERGENCY. THESE PEOPLE SHALL BE AVAILABLE TO REPAIR AND MAINTAIN EROSION DEVICES ON A 24 HOUR PER DAY BASIS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING INSPECTIONS OF THE EROSION CONTROL SYSTEM AS REQUIRED BY THE NPDES PERMIT AND STORM WATER POLLUTION PREVENTION PLAN.
- IN AN EFFORT TO LIMIT SOIL EROSION THE FOLLOWING SEQUENCE OF GRADING ACTIVITY AND TEMPORARY SEDIMENT CONTROL MEASURES ARE REQUIRED. A. PLACE SILT FENCE AT THE TOE OF UNSEEDDED/UNSOODED SLOPES DURING CONSTRUCTION. ADDITIONAL SILT FENCE MAY BE REQUIRED FOR PROPER EROSION CONTROL. B. ONCE FINAL SUBGRADE ELEVATIONS ARE OBTAINED, PAVING OPERATIONS CAN PROCEED. MAINTAIN STRAW BALES AND SILT FENCING DURING PAVING OPERATIONS AS MUCH AS PRACTICAL. C. TEMPORARY STOCK PILES SHALL BE GRADED TO DRAIN WITH A MAXIMUM SIDE SLOPE OF 3 HORIZONTAL TO 1 VERTICAL. D. UPON COMPLETION OF PAVING AND LANDSCAPING OPERATIONS CONTRACTOR SHALL CLEAN STORM SEWER SYSTEMS OF DEBRIS AND SILT. E. EROSION CONTROL SYSTEM TO BE MAINTAINED BY THE GENERAL TRADE CONTRACTOR AFTER EACH RAINFALL EVENT AND THROUGHOUT THE COURSE OF THE PROJECT AND REMOVED UPON PROJECT COMPLETION AFTER AN ADEQUATE STAND OF GRASS HAS BEEN ESTABLISHED.
- FOR TEMPORARY SEEDING OR INACTIVITY OF 14 DAYS, THE ENTIRE AREA THAT WAS DISTURBED SHALL BE SEEDDED WITH OATS AT A RATE OF 65LBS/ACRE AND ANNUAL RYE GRASS AT A RATE OF 40LBS/ACRE OR APPROVED EQUAL BY THE CITY. THIS SHALL BE PLACED ON A PREPARED SEEDBED. THE ENTIRE AREA SHALL BE FERTILIZED AT THE RATE OF 600 POUNDS PER ACRE WITH A 13-13-13 FERTILIZER INCORPORATED INTO THE SEEDBED. AT THE CONCLUSION OF THE GRADING OPERATIONS PERMANENT SEEDING SHALL BE PLACED PER CITY SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL EROSION CONTROL MEASURES ONCE EACH WEEK. EROSION CONTROL MEASURES SHALL BE MAINTAINED OR, IF NEEDED, REPLACED SO THEY WILL FUNCTION AS ORIGINALLY DESIGNED. THE CONTRACTOR SHALL NOTIFY THE OWNER AND REPORT THE STATUS OF ALL EROSION CONTROL MEASURES. EROSION CONTROL INSPECTION RECORDS SHALL BE KEPT DETAILING ALL ACTIVITIES AND INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE EROSION CONTROL MEASURES AND RECORDS UNTIL NOT LESS THAN 70% PERMANENT GROUND COVER IS ACHIEVED AT WHICH TIME ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED. ONCE ALL TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, A NOTICE OF DISCONTINUATION OF CONSTRUCTION ACTIVITY SHALL BE FILED.
- IF CONTRACTOR USES MORE THAN ONE SITE ENTRANCE/EXIT THEN ADDITIONAL STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED.
- TREE PROTECTION SHALL ADHERE TO SUDAS STANDARD 9030.102.



- NOTES:**
- CONTRACTOR TO MAINTAIN MINIMUM DEPTH AND SHALL REMOVE SOIL FROM CONSTRUCTION EXIT, AS REQUIRED.
 - CONSTRUCT MIN. 15' WIDE FOR ONE-WAY TRAFFIC AND MIN 20' WIDE FOR TWO-WAY TRAFFIC.
 - CONTRACTOR IS TO DETERMINE LOCATION OF STABILIZED CONSTRUCTION EXIT AS APPROVED BY CITY. UPDATE ON SWPP PLAN.
 - CONTRACTOR TO INSPECT DAILY.
 - CONTRACTOR TO REMOVE AND DISPOSE OF MATERIAL OFF-SITE PRIOR TO PAVING.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

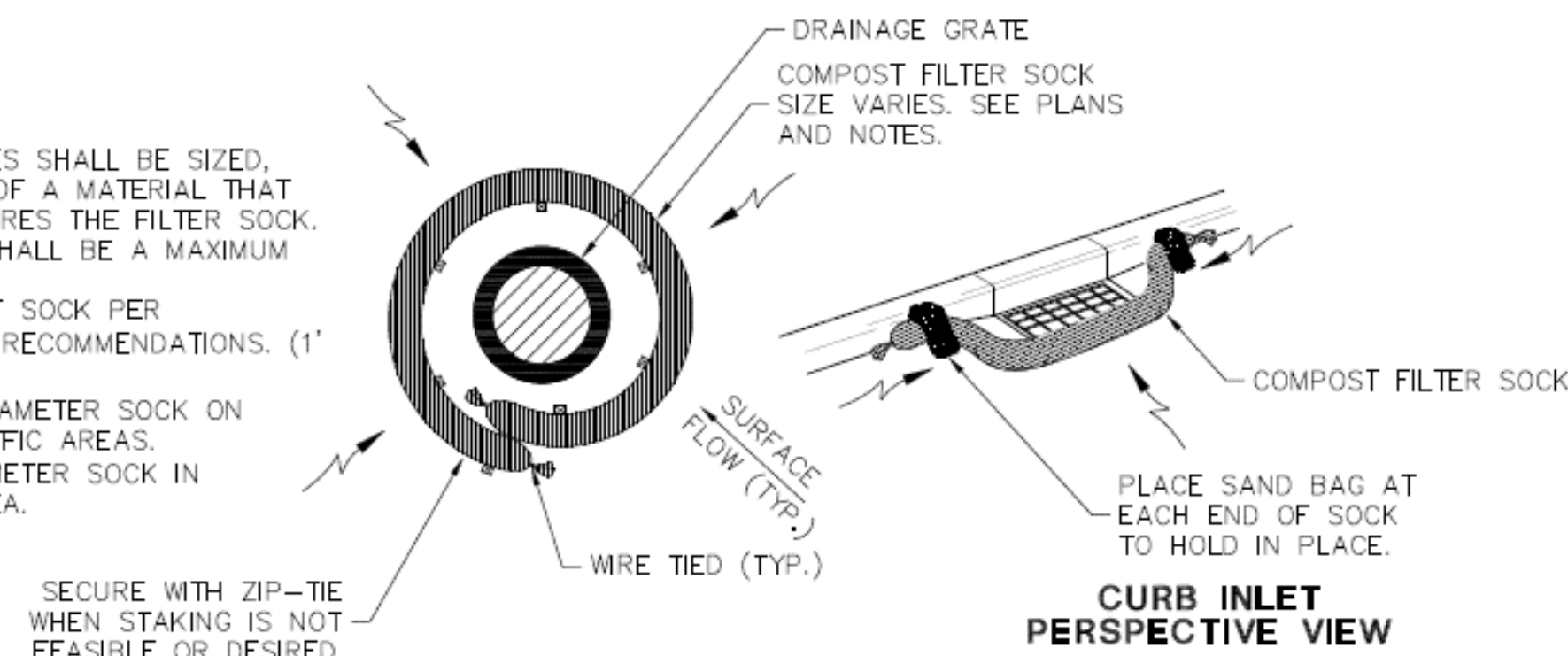


- NOTES:**
- SILT FENCE SHALL BE CLEANED/REPLACED IF SEDIMENT ACCUMULATION TO UP TO 1/2 HEIGHT OR HAS COLLAPSED.
 - CONTRACTOR IS TO REMOVE AND DISPOSE OF AFTER NOTICE OF TERMINATION HAS BEEN ACCEPTED.
 - PERIMETER EROSION CONTROL CAN BE SILT FENCE, FILTER SOCK OR WATTLES (REFER TO SUDAS 9040.105)

EROSION CONTROL FENCE DETAIL

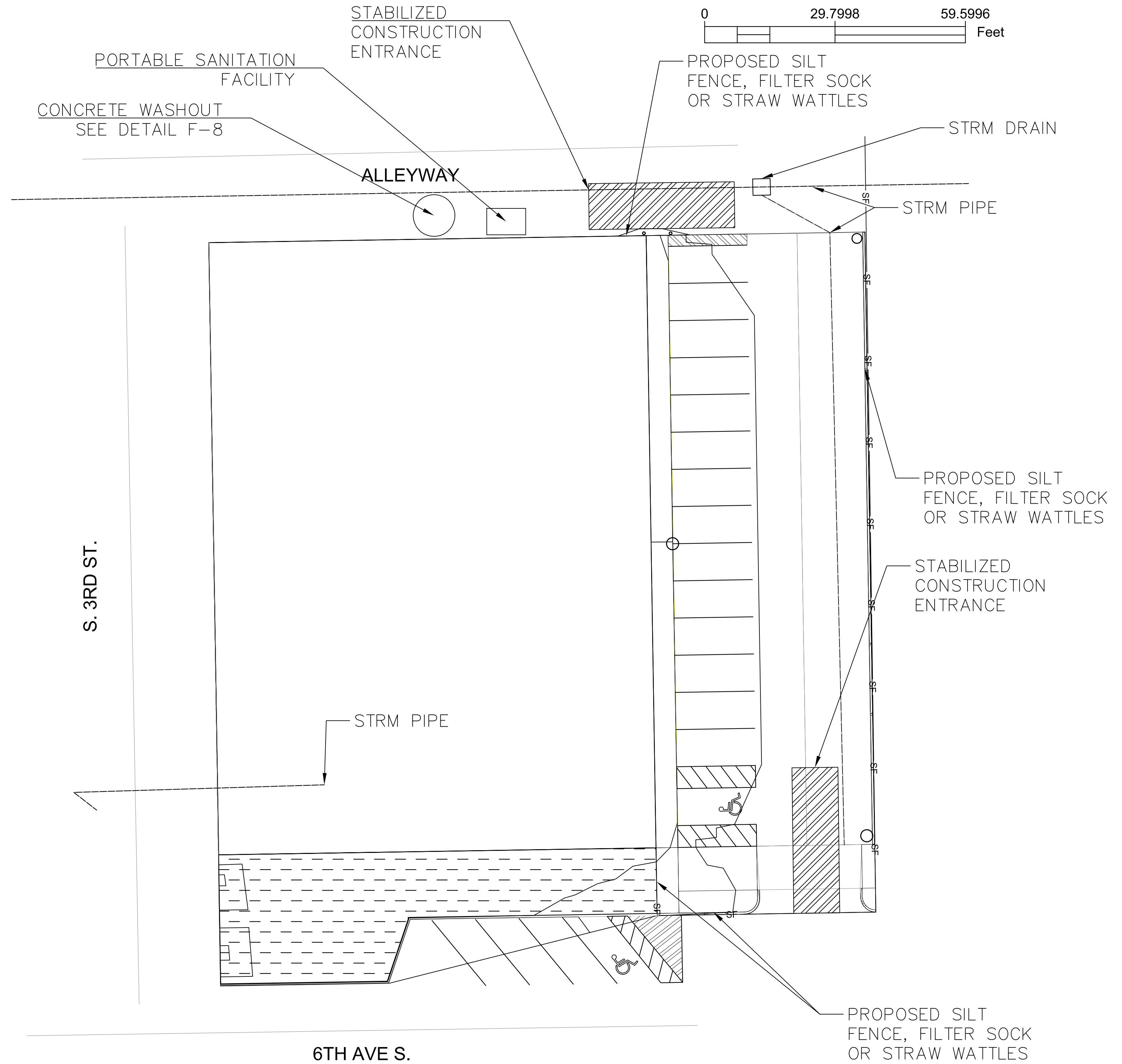
NOT TO SCALE

- NOTES:**
- ANCHORING STAKES SHALL BE SIZED, SPACED AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE FILTER SOCK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 - OVERLAP ENDS OF SOCK PER MANUFACTURER'S RECOMMENDATIONS. (1' MIN., 3' MAX.)
 - USE 8" TO 12" DIAMETER SOCK ON CURBSIDE IN TRAFFIC AREAS.
 - USE 12"-18" DIAMETER SOCK IN NON-TRAFFIC AREA.



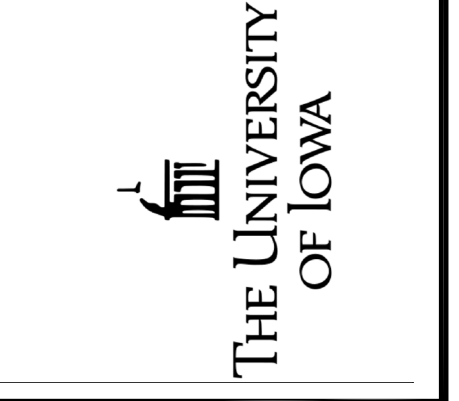
COMPOST FILTER SOCK INLET PROTECTION

NOT TO SCALE



PROJECT:	RFP # 05-SPRING2022
DATE:	04/19/2022
DRAWN BY:	CVH
REVISION:	

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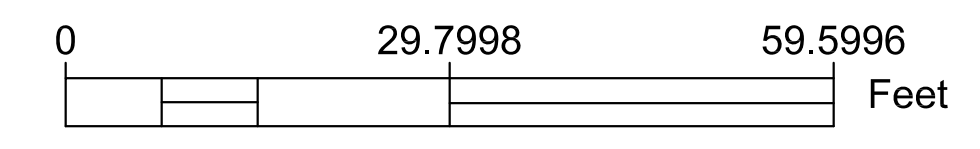
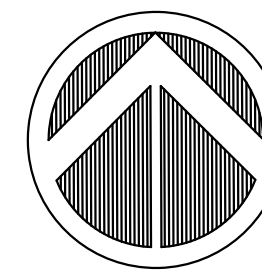
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CLINTON PARKING

519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME
 GRACKLE
 EROSION PLAN

SHEET NO.
F-5



	PROPOSED 6" PCC PAVEMENT
	PROPOSED 4" PCC SIDEWALK
	PROPOSED PERMEABLE PAVEMENT
	EXISTING SIDEWALK

NOTES

1) PROTECT EXISTING SIDEWALKS AND PAVEMENT INCIDENTAL TO CONTRACT

ESTIMATED GRADING QUANTITIES:

	CUT (C.Y.)	FILL (C.Y.)
UNADJUSTED PAVEMENT, SIDEWALK & SUBBASE	217.70	117.70
PAVEMENT REMOVAL (6")	-143.80	498.00
SUBTOTAL	571.90	117.70
30% SHRINKAGE		35.31
TOTAL	571.90	153.01

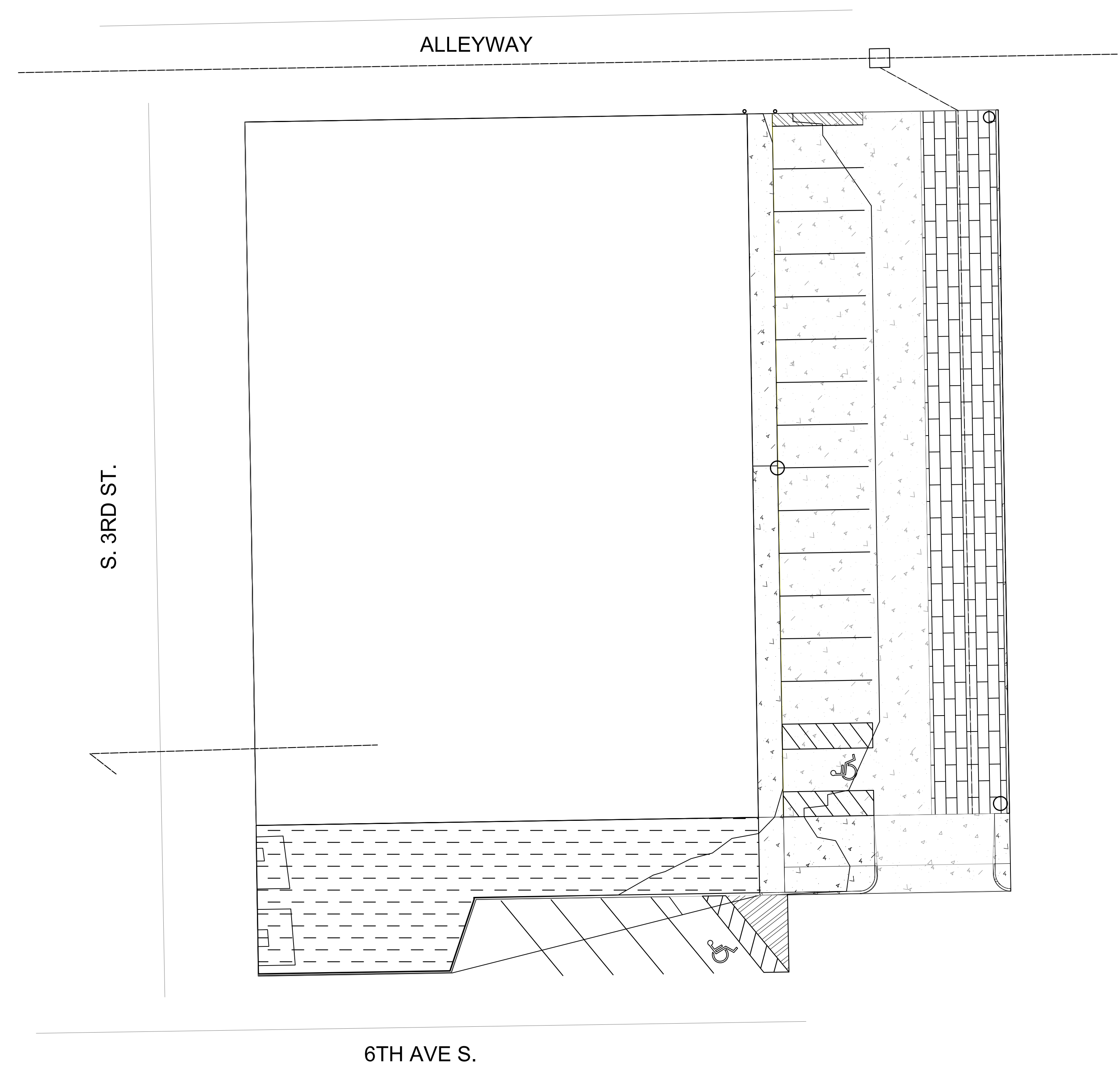
NET 418.89 C.Y. TO BE DISPOSED OF OFF-SITE

ALTERNATE BID

ESTIMATED GRADING QUANTITIES:

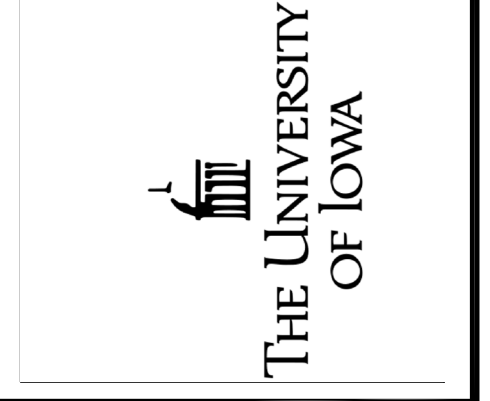
	CUT (C.Y.)	FILL (C.Y.)
UNADJUSTED PAVEMENT, SIDEWALK & SUBBASE	217.70	117.70
PAVEMENT REMOVAL (6")	-143.80	498.00
SUBTOTAL	571.90	117.70
30% SHRINKAGE		35.31
TOTAL	571.90	153.01

NET 418.89 C.Y. TO BE DISPOSED OF OFF-SITE



PROJECT:	RFP # 05-SPRING2022
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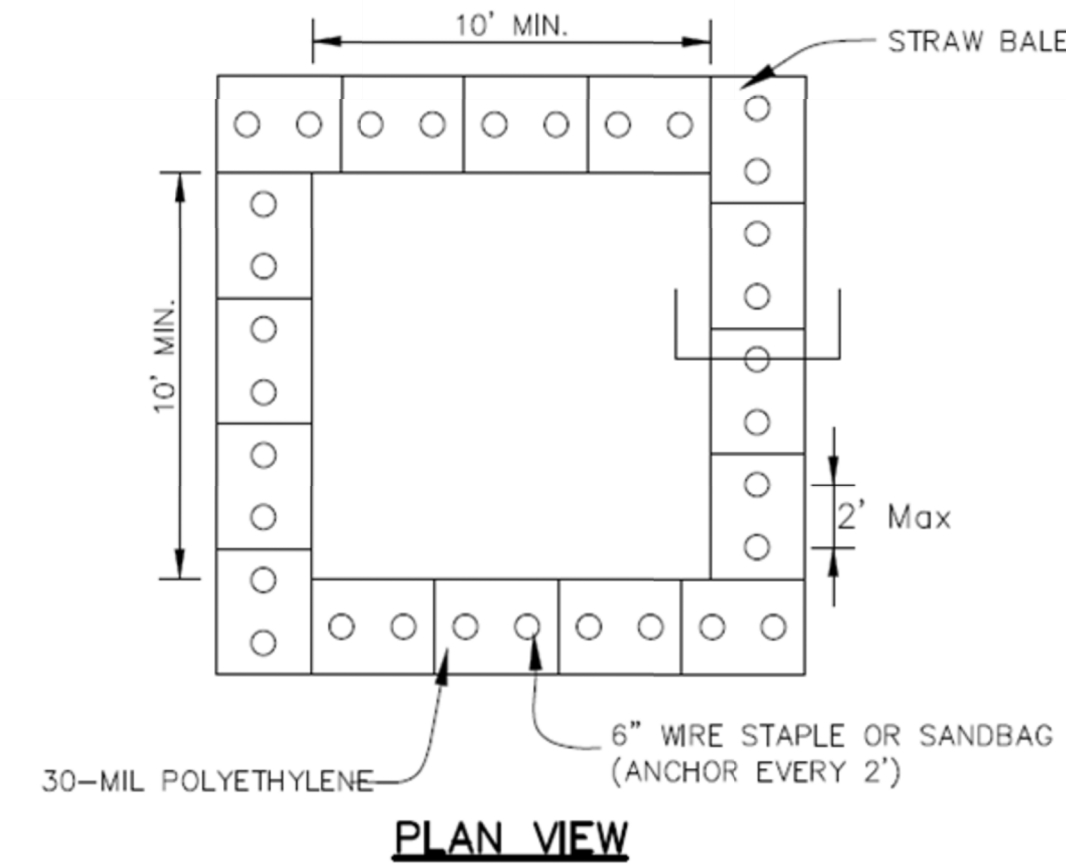
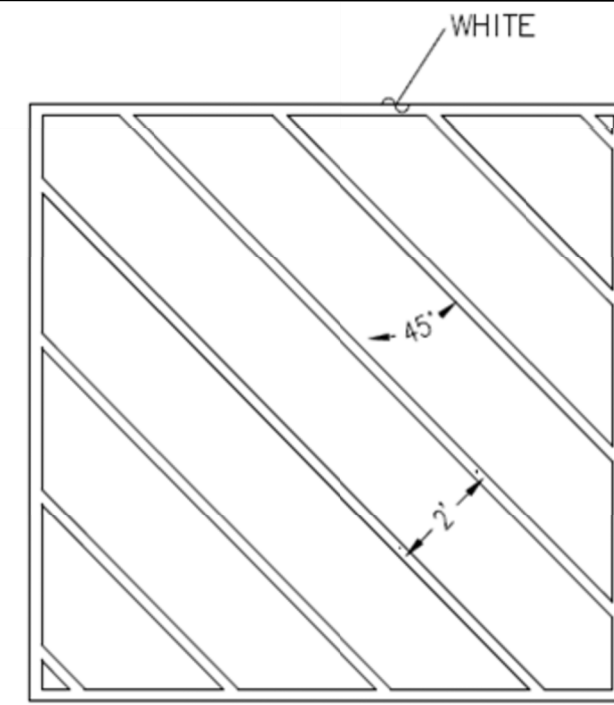
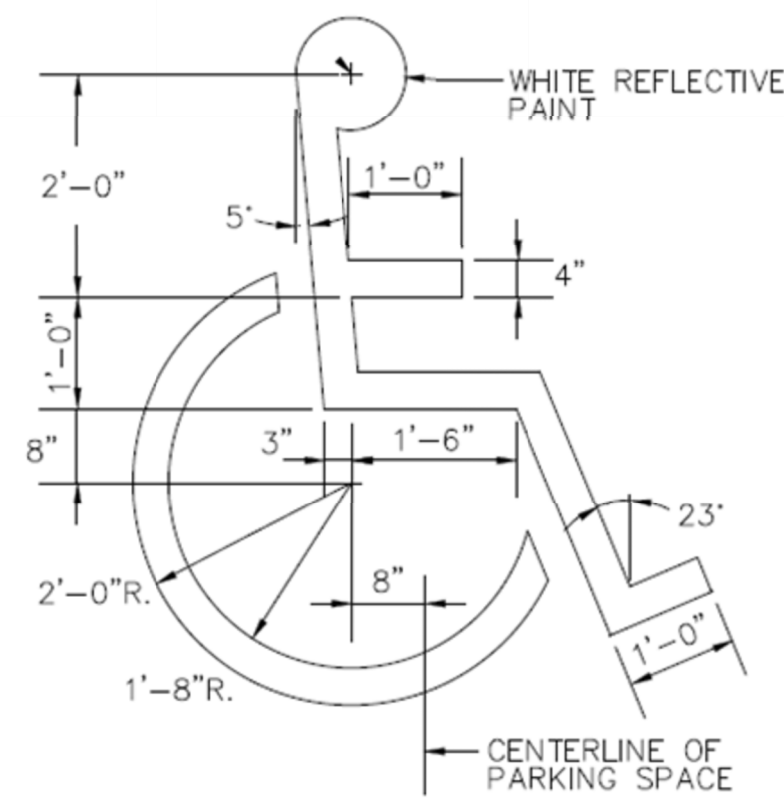
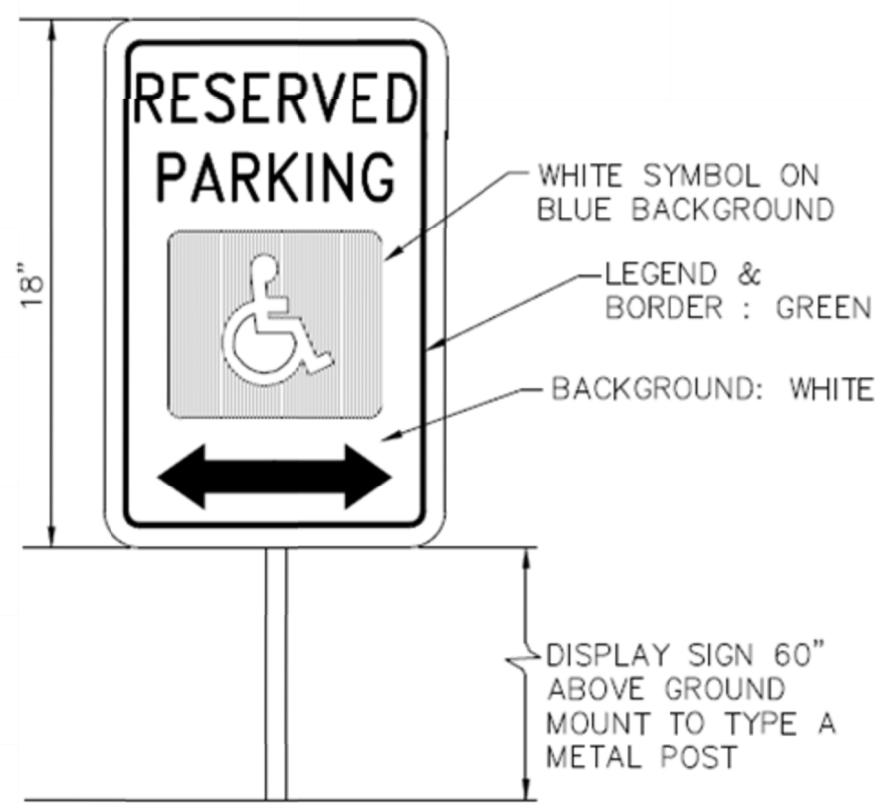
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CLINTON PARKING

519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME
 GRACKLE PROPOSED

SHEET NO.
F-6



STRAW BALE ANCHOR SECTIONS

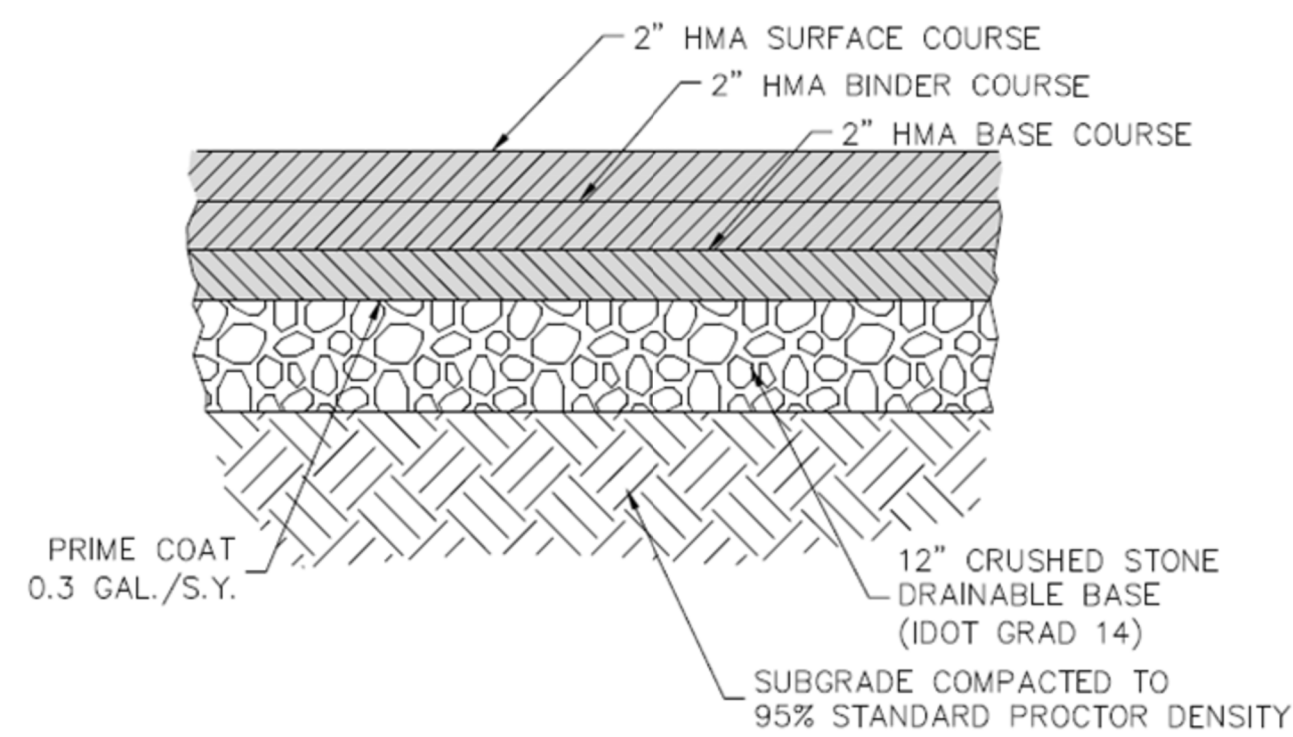
NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.

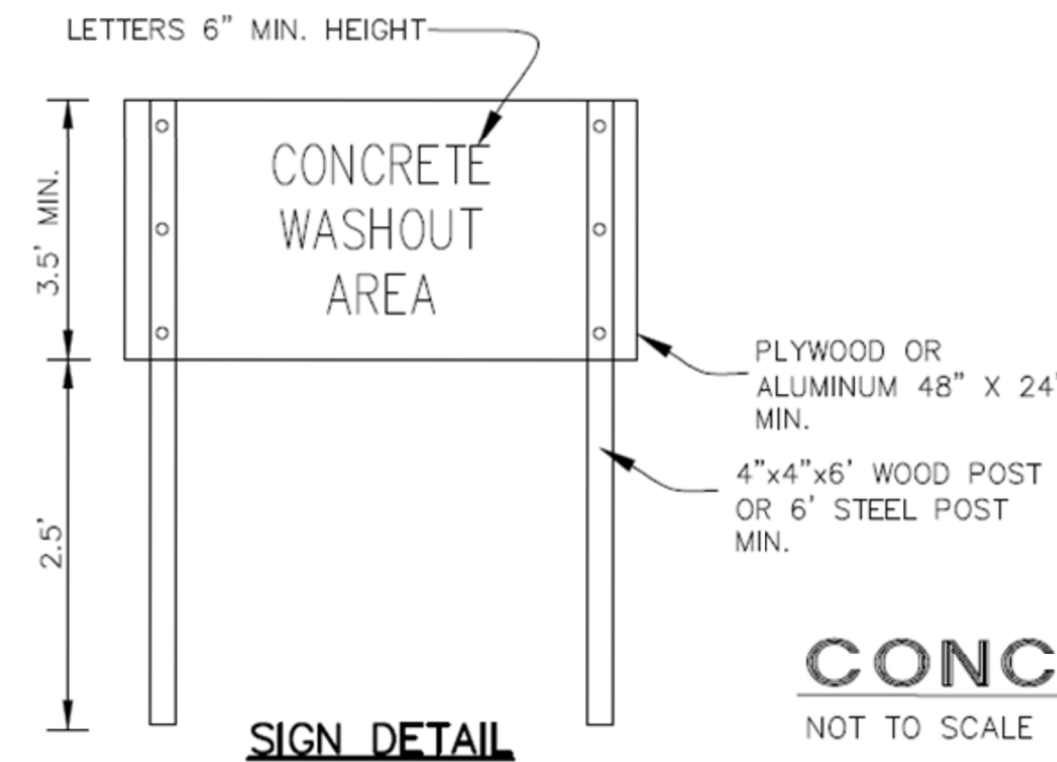
ADA PARKING SIGN
 NOT TO SCALE (PER LATEST ADA REQUIREMENTS)

INTERNATIONAL ADA SYMBOL
 NOT TO SCALE

NOTES:
 1.) SEE CONSTRUCTION PLANS FOR SITE SPECIFIC STALL DIMENSIONS.



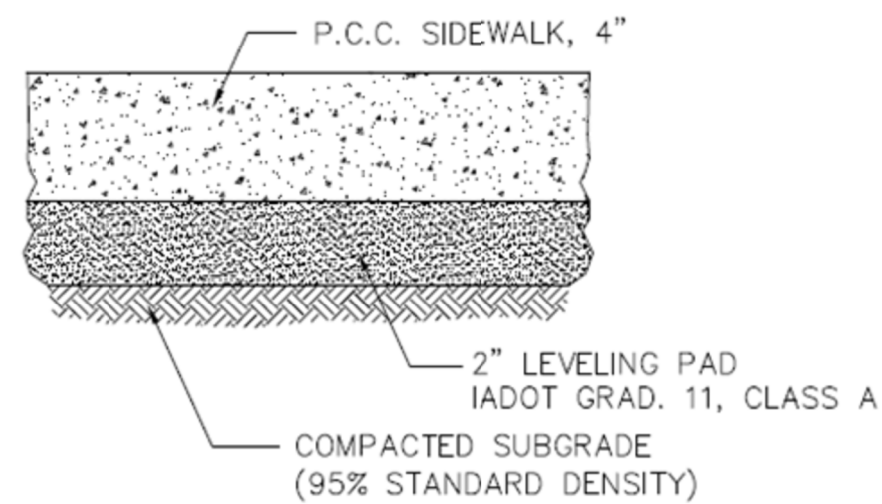
6" ASPHALT PAVING SECTION
 NOT TO SCALE



CONCRETE WASHOUT DETAIL
 NOT TO SCALE

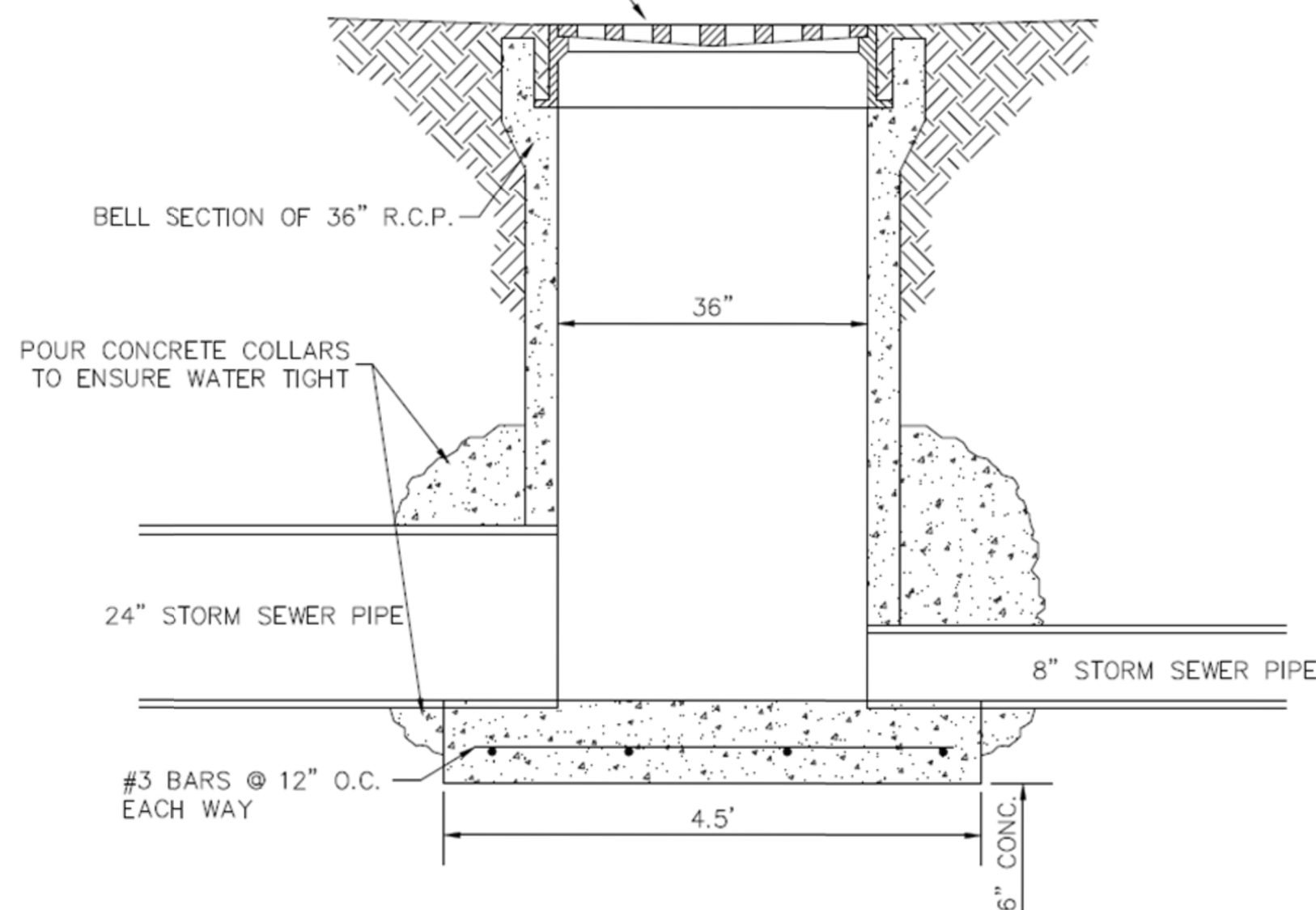
NOTES:

- 1.) PLACEMENT AND COMPACTION OF 2" LEVELING PAD SHALL BE CONSIDERED INCIDENTAL.
- 2.) WHERE CONSTRUCTED ADJACENT TO CONCRETE CURB & GUTTER, PLACEMENT OF 1/2" EXPANSION JOINT SHALL BE CONSIDERED INCIDENTAL.

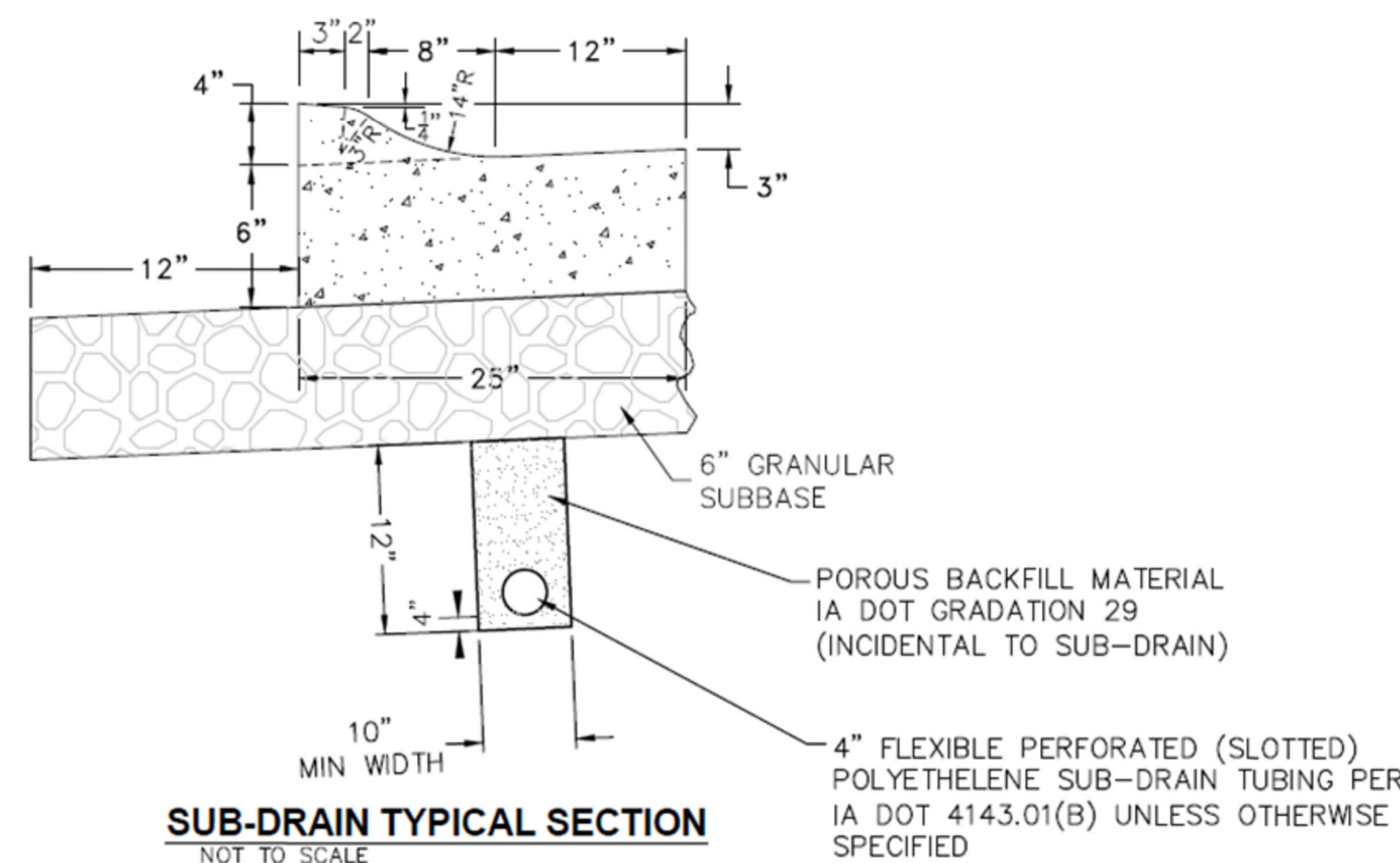


P.C.C. SIDEWALK SECTION
 NOT TO SCALE

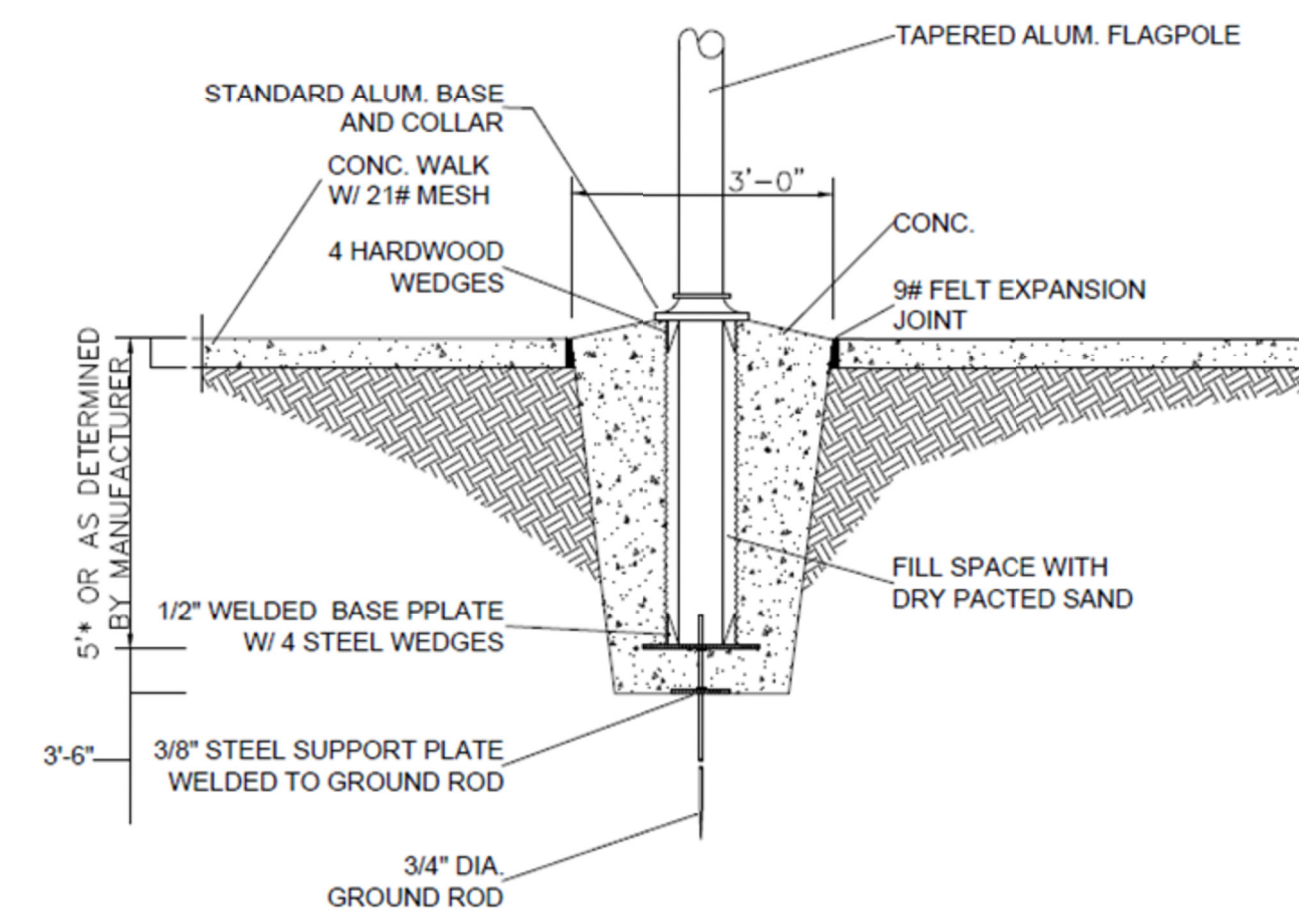
NEENAH TYPE R-2510 FRAME & GRATE OR APPROVED EQUAL



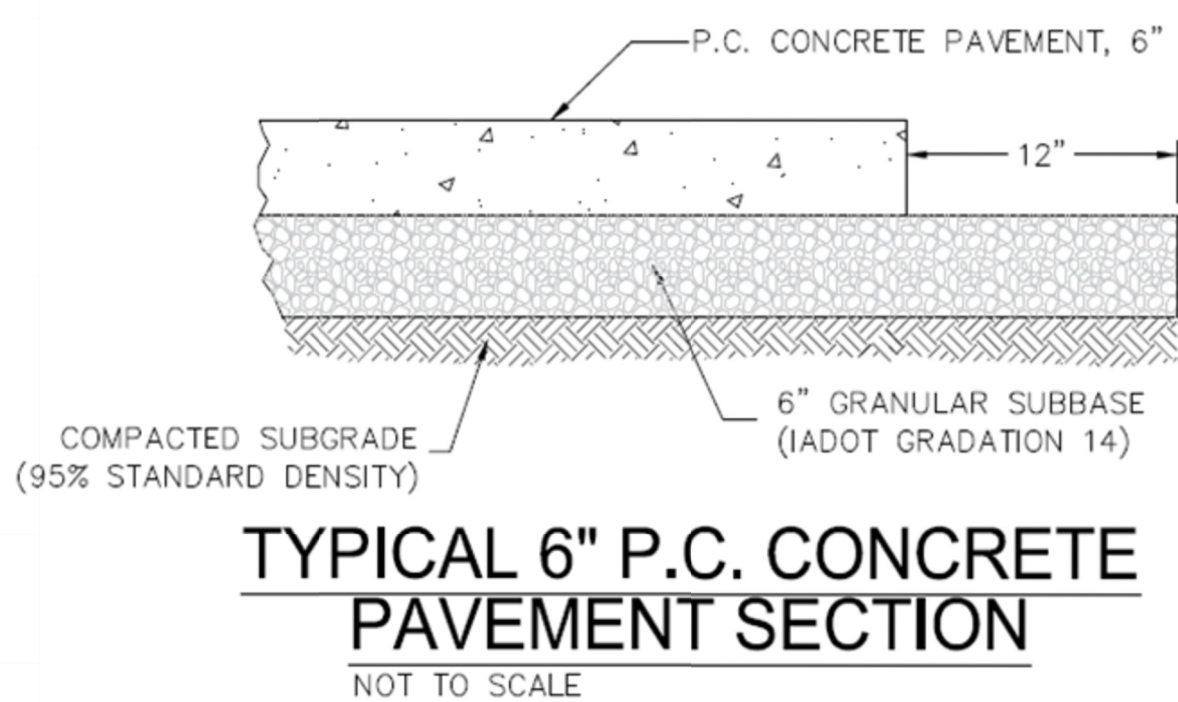
AREA INTAKE DETAIL
 NOT TO SCALE



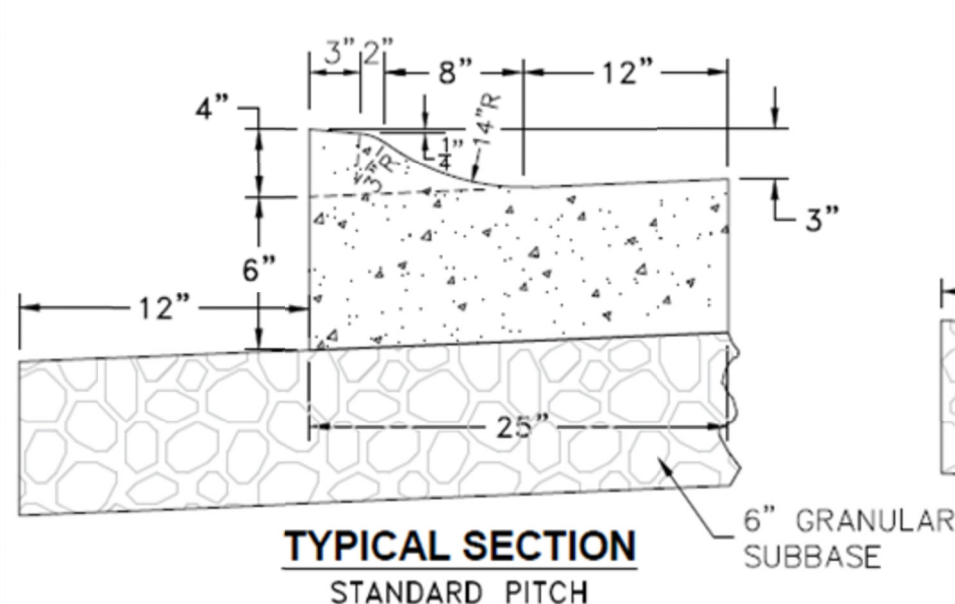
SUB-DRAIN TYPICAL SECTION
 NOT TO SCALE



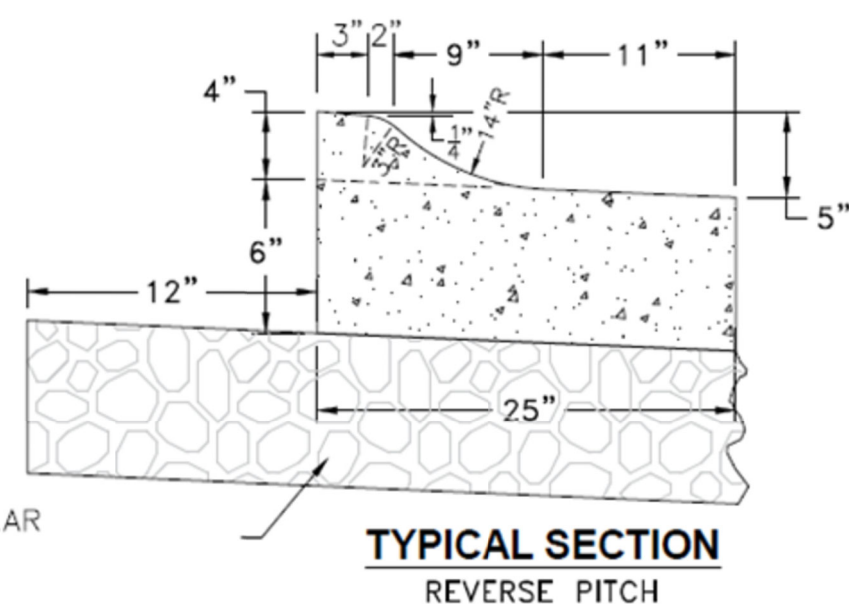
11 FLAGPOLE BASE DETAIL
 A12.4 NOT TO SCALE



TYPICAL 6" P.C. CONCRETE PAVEMENT SECTION
 NOT TO SCALE

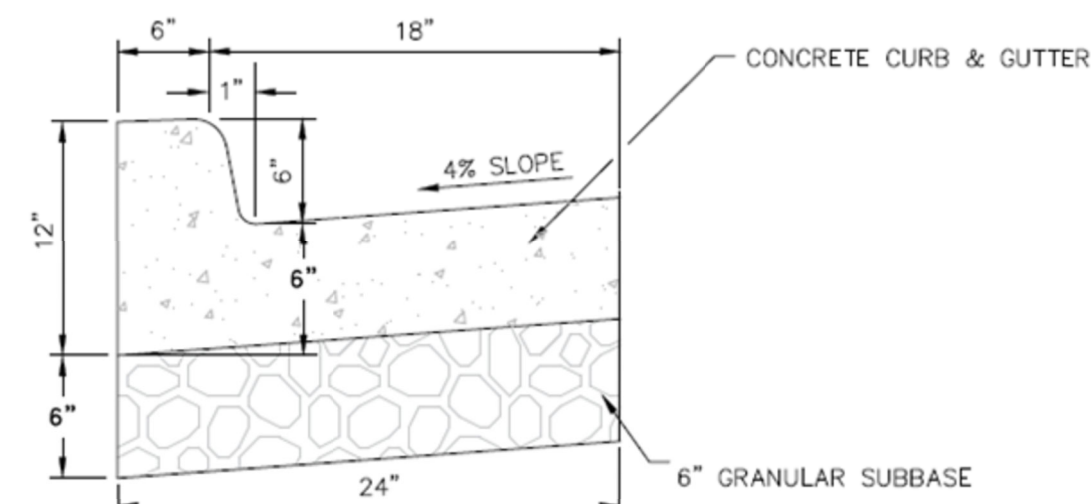


TYPICAL SECTION STANDARD PITCH

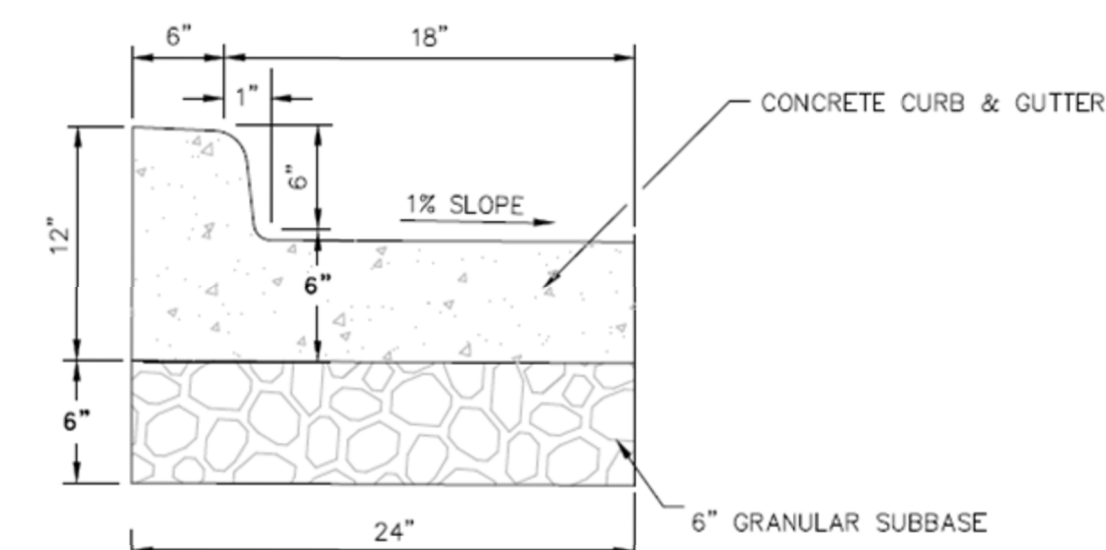


TYPICAL SECTION REVERSE PITCH

P.C.C. ROLL OVER CURB & GUTTER DETAIL
 NOT TO SCALE



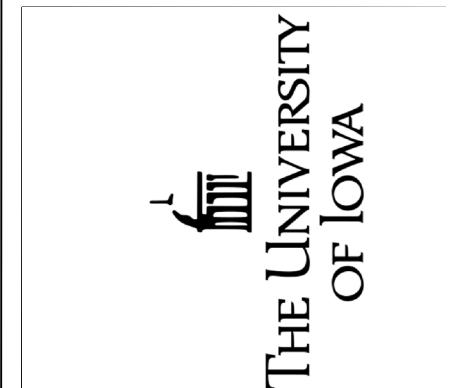
TYPICAL CONCRETE CURB & GUTTER DETAIL
 NOT TO SCALE



REVERSE CONCRETE CURB & GUTTER DETAIL
 NOT TO SCALE

PROJECT:	REP # 05-SPRING2022
DATE:	04/19/2022
DRAWN BY:	IMEC
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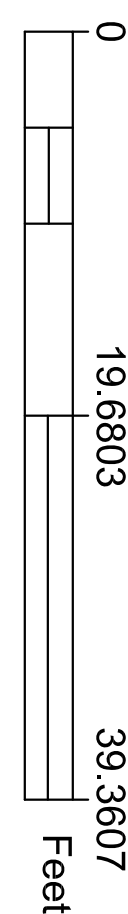
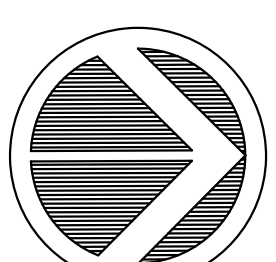
519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME

GRACKLE DETAILS

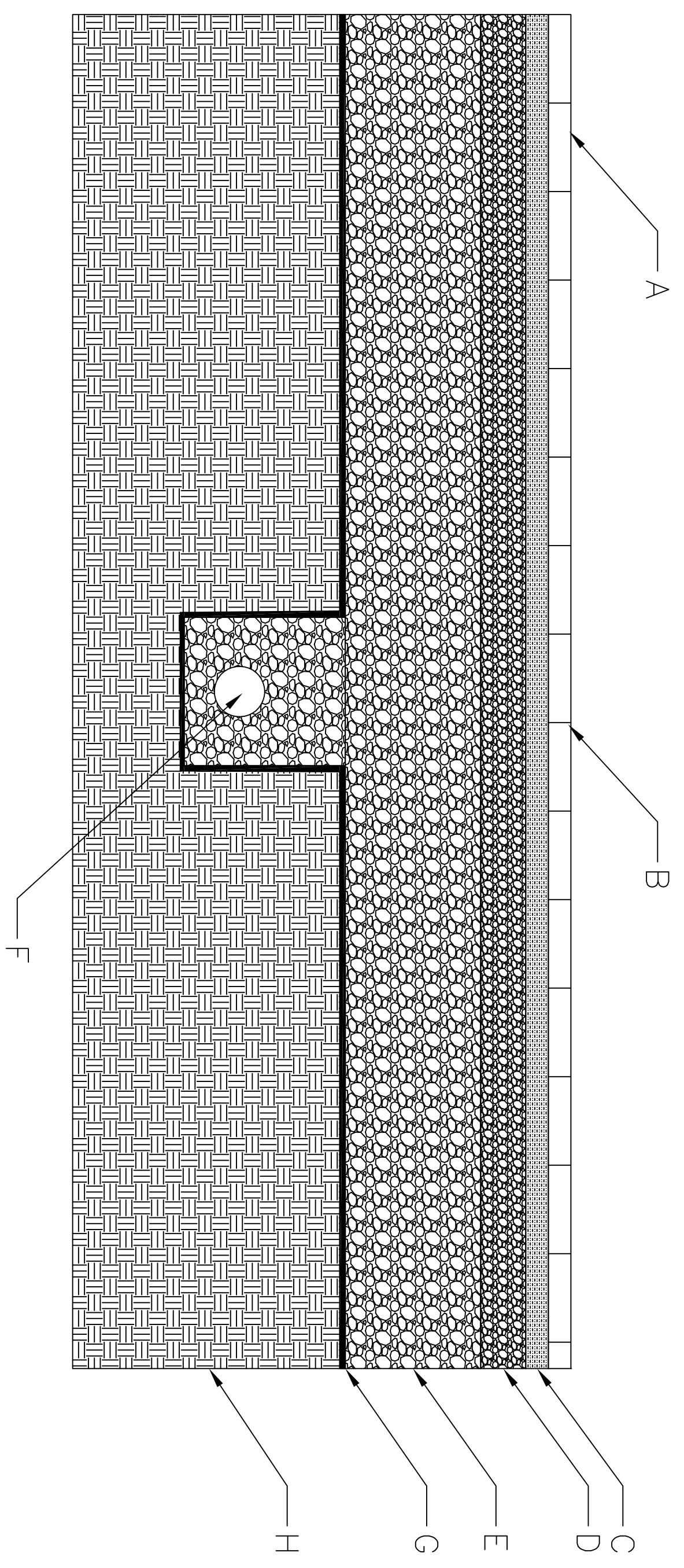
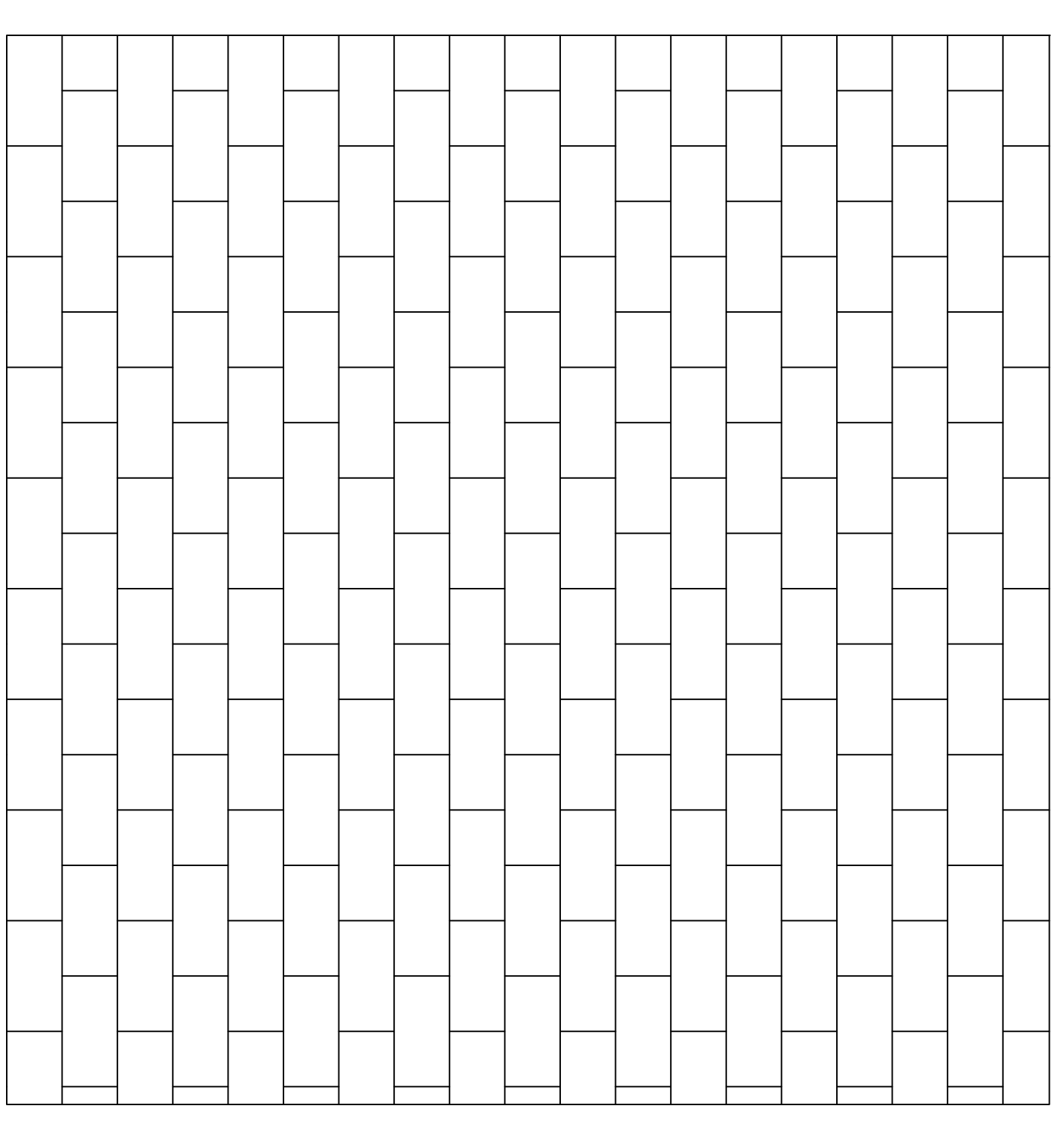
SHEET NO.

F-8



PROJECT:	RFP # 05-SPRING2022
DATE :	04/19/2022
DRAWN BY:	CVH
REVISION:	

PROPOSED PERMEABLE SURFACE LAYOUT



- A. Pavers: solid concrete pavers that fit together with slight gaps
- B. Granular Fill: 1/8th inch typ gaps in pavers usually filled with a small granite chip to allow water to pass through
- C. Setting Bed Aggregate: 2" layer of clean crushed 3/8" stone (ASTM No. 8)
- D. Filter Aggregate: 4" layer of 3/4" to 1" clean crushed stone (ASTM No. 57)
- E. Storage Aggregate: 12" layer of 1.5" to 3" clean stone (ASTM No. 2) (depth varies, depending on storage volume)
- F. Subdrain: Perforated subdrain tile ensures the system never stays saturated
- G. Fabric: high flow geotextile fabric
- H. Existing Soils: soils under the rock layer

CLINTON PARKING

519 S 3RD ST
CLINTON, IA 52732

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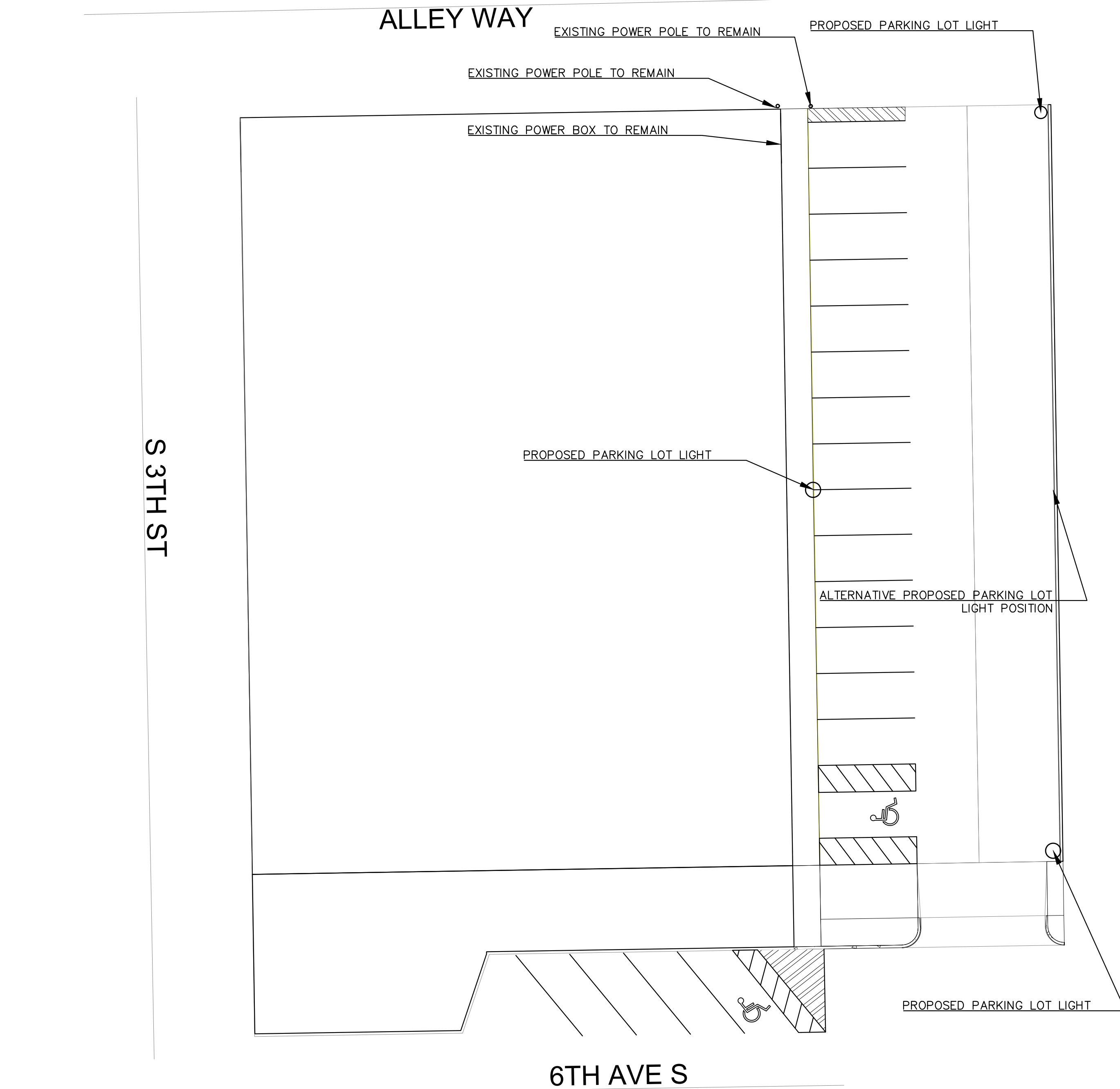
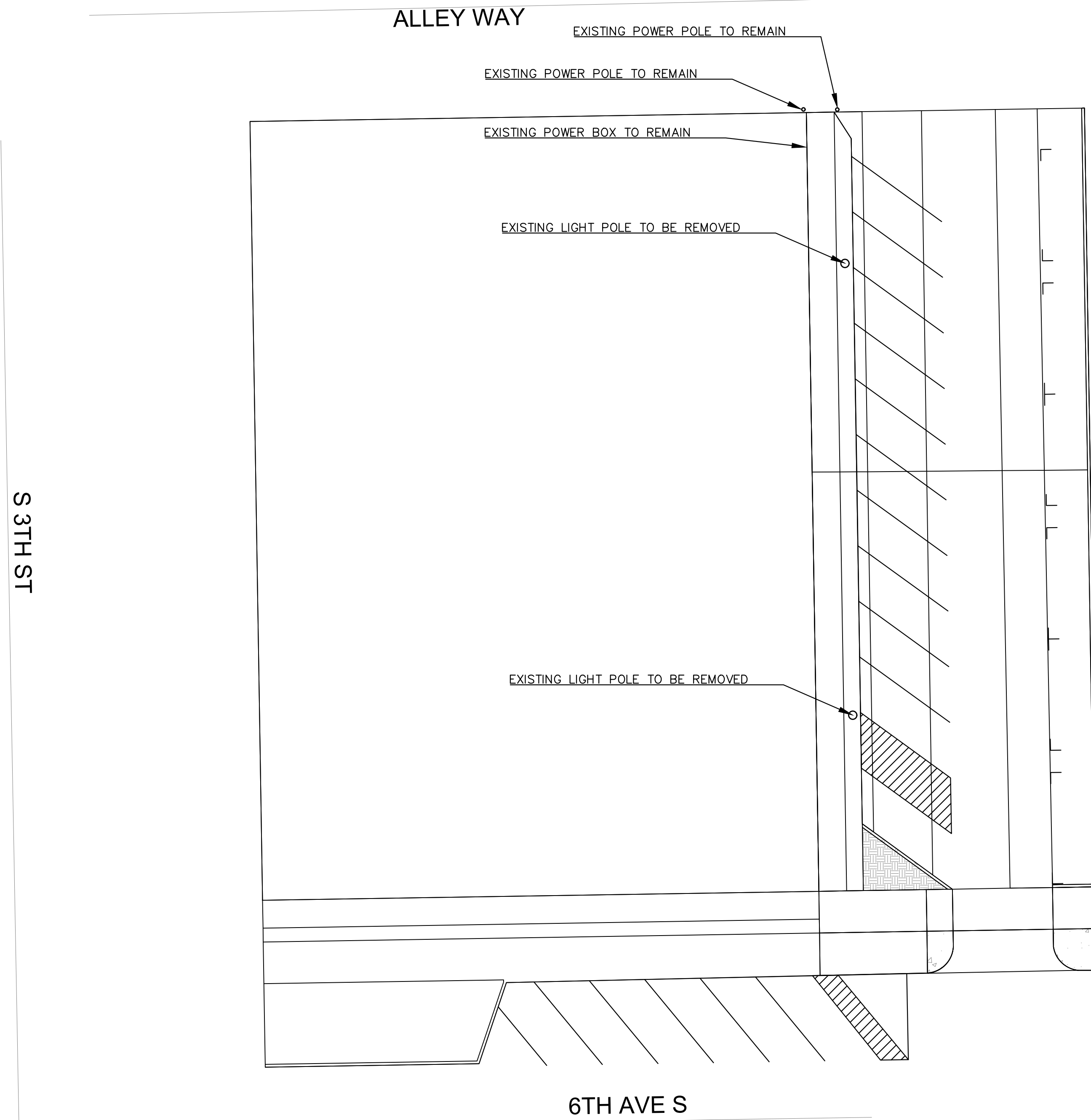
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SHEET NAME
GRACKLE PERMEABLE PAVE

SHEET NO.

F-8.1

LIGHTING REMOVAL AND PROPOSED LIGHTING SHALL BE DONE BY A SEPARATE CONTRACTOR, ELECTRICAL SHEET IS FOR PREFERENCE ONLY



 ELECTRICAL DEMOLITION PLAN 1
F-3|F-9

FOR REFERENCE ONLY

 ELECTRICAL SITE PLAN 2
F-4|F-9

PROJECT:	RFP # 05-SPRING2022
DATE :	04/09/2022
DRAWN BY:	CVH
REVISION:	

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CLINTON PARKING

519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME

GRACKLE
 ELECTRICAL

SHEET NO.

F-9

CLINTON CODE REVIEW

CODE USED: 2022 EDITION INTERNATIONAL BUILDING CODE

OCCUPANCY GROUP (FROM SECTION 303.1)
M-ACCESSORY NEW CONSTRUCTION

CONSTRUCTION TYPE:BASED ON EXISTING STRUCTURE-TYPE VB

BUILDING SIZE LIMITS
LIMITS (SET IN TABLE 503)
OCCUPANCY
M

STORIES 1
MAX HT 40'

MAX GSF 9000

TOTAL ALLOWED 9000

ALLOWABLE INCREASES TO BUILDING SIZE (SECTION 506)

FRONTAGE INCREASE NO
BUILDING IS SURROUNDED BY PUBLIC WAYS AND YARDS NOT LESS THAN 60 FEET IN WIDTH NO
BUILDING WILL BE PROTECTED THROUGHOUT WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM NO
BUILDING WILL BE PROTECTED THROUGHOUT WITH A FULLY SUSPENDED FIRE ALARM SYSTEM NO

TOTAL ALLOWABLE BUILDING SF FROM ABOVE 9000

BUILDING SIZE TABLE (DIMENSIONS ARE NOMINAL)

AREA	LENGTH	WIDTH	TOTAL SF
BREAK AREA	14'	14'4"	201
HVAC ROOM	5'	8'4"	42
BUS STOP	9'6"	9'10"	92
BATHROOM	15'	12'3"	184

TOTAL BUILDING SF 519

OCCUPANT LOADS
BASED ON NET OCCUPIED AREAS

SPACE NAME	LENGTH	WIDTH	TOTAL SF	OCCUPANTS
BREAK AREA	14'	14'4"	201	8
HVAC ROOM	5'	8'4"	42	1
BUS STOP	9'6"	9'10"	92	18
BATHROOM	15'	12'3"	184	1

TOTAL OCCUPANTS IN MAIN BUILDING 519 28

Fire Walls, Barriers and other separations
Required per Table 508.4

N/A

Fire Protection of structure or exterior walls
Per Table 601 for Type IIB Construction

Primary Structure	0 hr
Bearing Walls -Exterior	per Table 602 = 0 hr, 1 hr separation less than 10 ft.
Bearing Walls -Interior	0 hr
Nonbearing walls -Exterior	per Table 602 = 0 hr, 1 hr separation less than 10 ft.
Nonbearing walls - Interior	0 hr
Fir construct.	0 hr
Roof construct.	0 hr

Portable Fire Extinguishers

Shall be spaced to keep travel distance to each to no more than 75'
Will include xx units shown on the plans

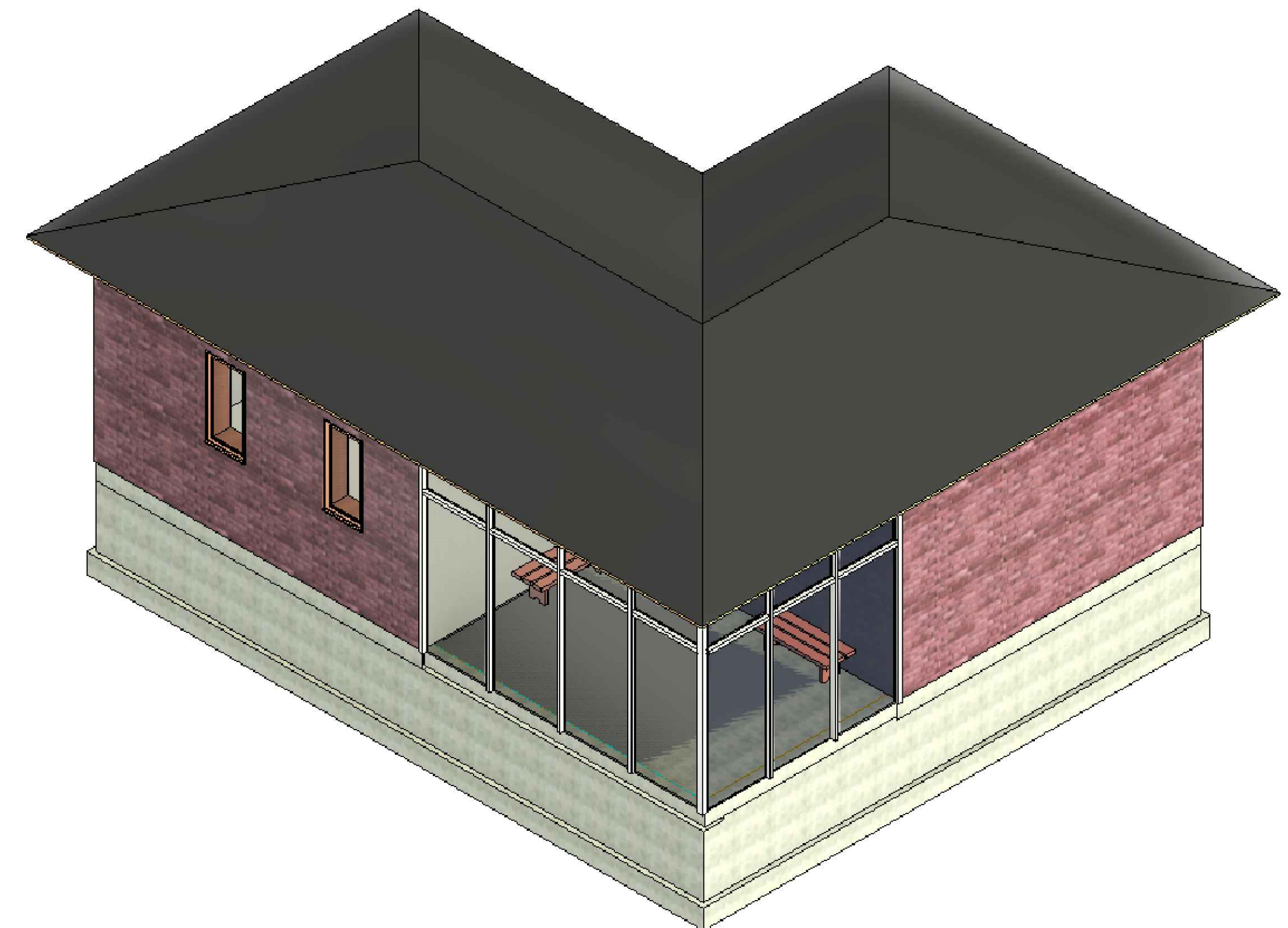
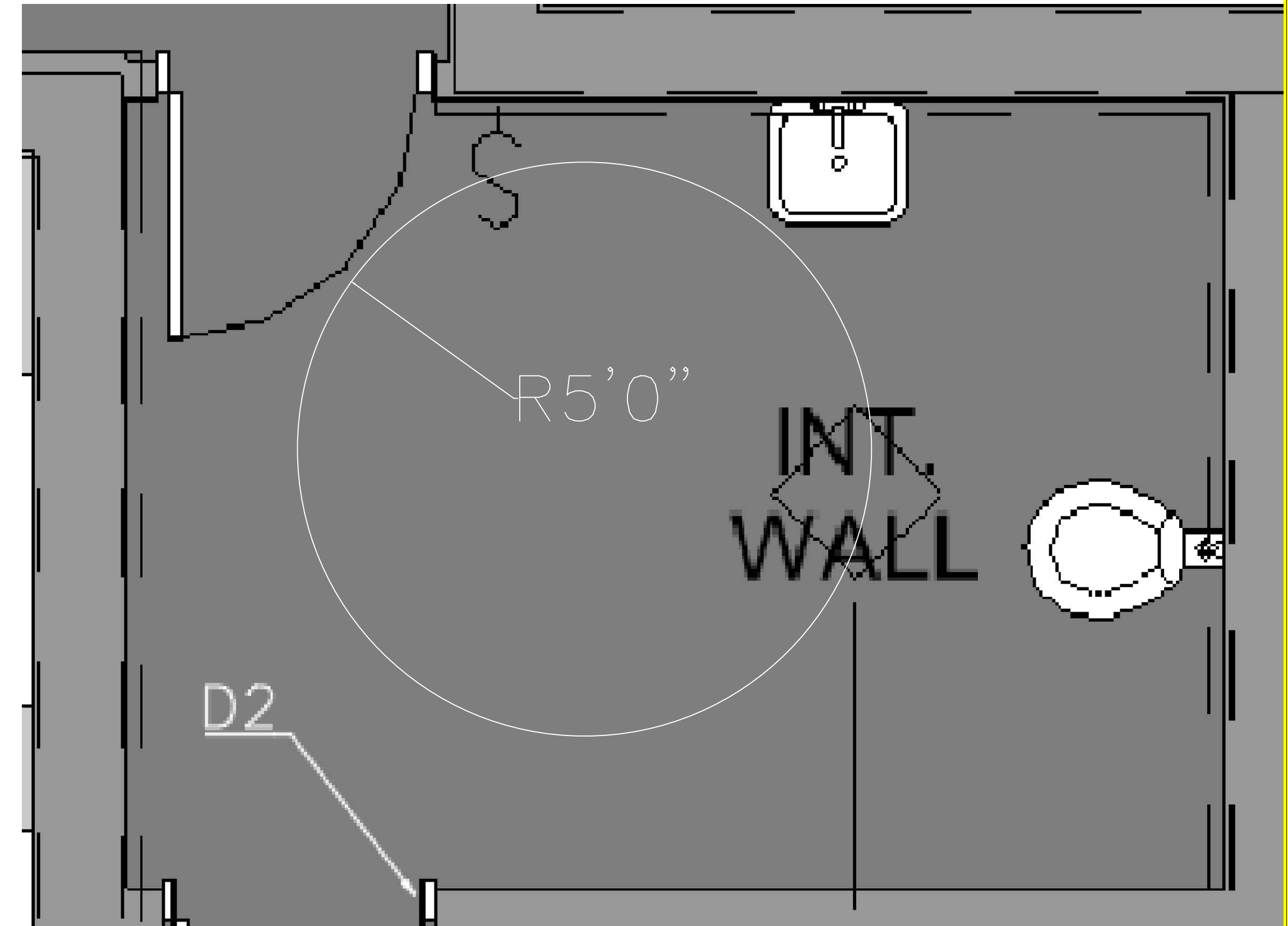
5 lb.

Maximum Travel Distance for exits:

Per Table 1016.2:
Maximum per plan locations:

200'
8' M occupancy

ADA INFORMATION:
5' minimum turning radius in all bathrooms



PROJECT: CEE: 4850
DATE: 04/06/2022
DRAWN BY: Alexander Underwood
REVISION:

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Clinton Parking Lot Redesign

Central Transit Point 6th Ave. S.
IOWA CITY, IOWA 52242

SHEET NAME
Clinton Code Review

SHEET NO.
G1

GENERAL NOTES

- DESIGN CRITERIA
- CODES: INTERNATIONAL BUILDING CODE (IBC) 2012
AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-08)
AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 318-08)
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRENGTH DESIGN (ASD) (AISC 360-05) THIRTEENTH EDITION, 2005
AMERICAN WELDING SOCIETY D1.1
AMERICAN FOREST & PAPER ASSOCIATION (AF&PA) NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION
 - DESIGN LOADS:
ROOF DEAD LOAD: 10PSF
TOP CHORD DL: 10PSF
BOTTOM CHORD DL: 10PSF
RISK CATEGORY II
WIND PARAMETERS
BASIC WIND SPEED (ASCE 7-16) 115MPH
RISK CATEGORY II
EXPOSURE CLASS B
WIND-MAIN WIND FORCE RESISTING SYSTEM PRESSURES - SIMPLIFIED METHOD
NOMINAL WIND PRESSURE 16.5 PSF
DESIGN WIND PRESSURE 13 PSF
ROOF UPLIFT FORCE (GROSS) 16 PSF
ROOF UPLIFT FORCE (NET) 4 PSF
LIVE LOADS
OFFICE 50 PSF
BATHROOM 40 PSF
SNOW LOADS
GROUND SNOW LOAD 26 PSF
SNOW EXPOSURE FACTOR 1.0
THERMAL FACTOR 1.0
IMPORTANCE FACTOR 1.0
ROOF DESIGN SNOW LOAD 20 PSF
 - NET ALLOWABLE SOIL BEARING PRESSURES
SPREAD FOOTINGS 1500 PSF
CONTINUOUS FOOTINGS 1500 PSF
 - MINIMUM FROST PROTECTION DEPTH FROM ADJACENT GRADE:
EXTERIOR FOOTING ADJACENT TO HEATED AREA -3'-0"
EXTERIOR FOOTINGS IN UNHEATED AREA -4'-0"
 - SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTHS (f'c) FOOTINGS 3000 PSI
FOUNDATION WALLS 4000 PSI
SLABS ON GRADE 4000 PSI
TYPICAL - UNLESS NOTED OTHERWISE 4000 PSI
 - CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:
DEFORMED BARS ASTM A615, GRADE 60 Fy = 60 KSI
WELDED WIRE REINFORCING ASTM A185 Fy = 65 KSI
 - MATERIALS FOR CONCRETE UNIT MASONRY SHALL CONFORM TO THE FOLLOWING STANDARDS:
CONCRETE MASONRY UNITS ASTM C90
MORTAR MATERIALS ASTM C270, TYPE S
GROUT FOR MASONRY ASTM C476
REINFORCING STEEL FOR MASONRY ASTM A615, GRADE 60 (UNO)
PLATE AND BENT BAR ANCHORS ASTM A36
SHEET METAL ANCHORS AND TIES ASTM A1008
WIRE MESH TIES ASTM A185
WIRE TIES AND ANCHORS ASTM A651
ANCHOR BOLTS FOR MASONRY ASTM A307, GRADE A
 - MINIMUM 28 DAY COMPRESSIVE STRENGTHS FOR MASONRY (fm):
DESIGN ASSEMBLY STRENGTH fm 1500 PSI
INDIVIDUAL CONCRETE MASONRY UNITS 1900 PSI
MORTAR FOR MASONRY (TYPE S REQUIRED) 1800 PSI
GROUT FOR MASONRY 2000 PSI
 - STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS:
WIDE FLANGE SECTIONS ASTM A992 Fy = 50 KSI
OTHER ROLLED SECTIONS ASTM A36 Fy = 36 KSI
SQUARE AND RECTANGULAR HSS ASTM A500, GR B Fy = 48 KSI
CAP AND BASE PLATES ASTM A36 Fy = 36 KSI
CONNECTION MATERIAL ASTM A36 Fy = 36 KSI
STIFFENER PLATES ASTM A36 Fy = 36 KSI
ANCHOR RODS ASTM F1554, GR 36 Fy = 36 KSI
HIGH STRENGTH BOLTS A325 (3/4" DIAMETER UNO) Fy = 21 KSI
HEAVY HEX NUTS ASTM A563
WASHERS ASTM F436
ELECTRODES FOR ARC WELDING AWS E.1, E70XX
 - SHEATHING: DOC PS-1, DOC PS-2
ROOF SHEATHING - SLOPED: 5/8", 32/16 APA; EXP 1; C-D

FOUNDATION/SLAB-ON-GRADE

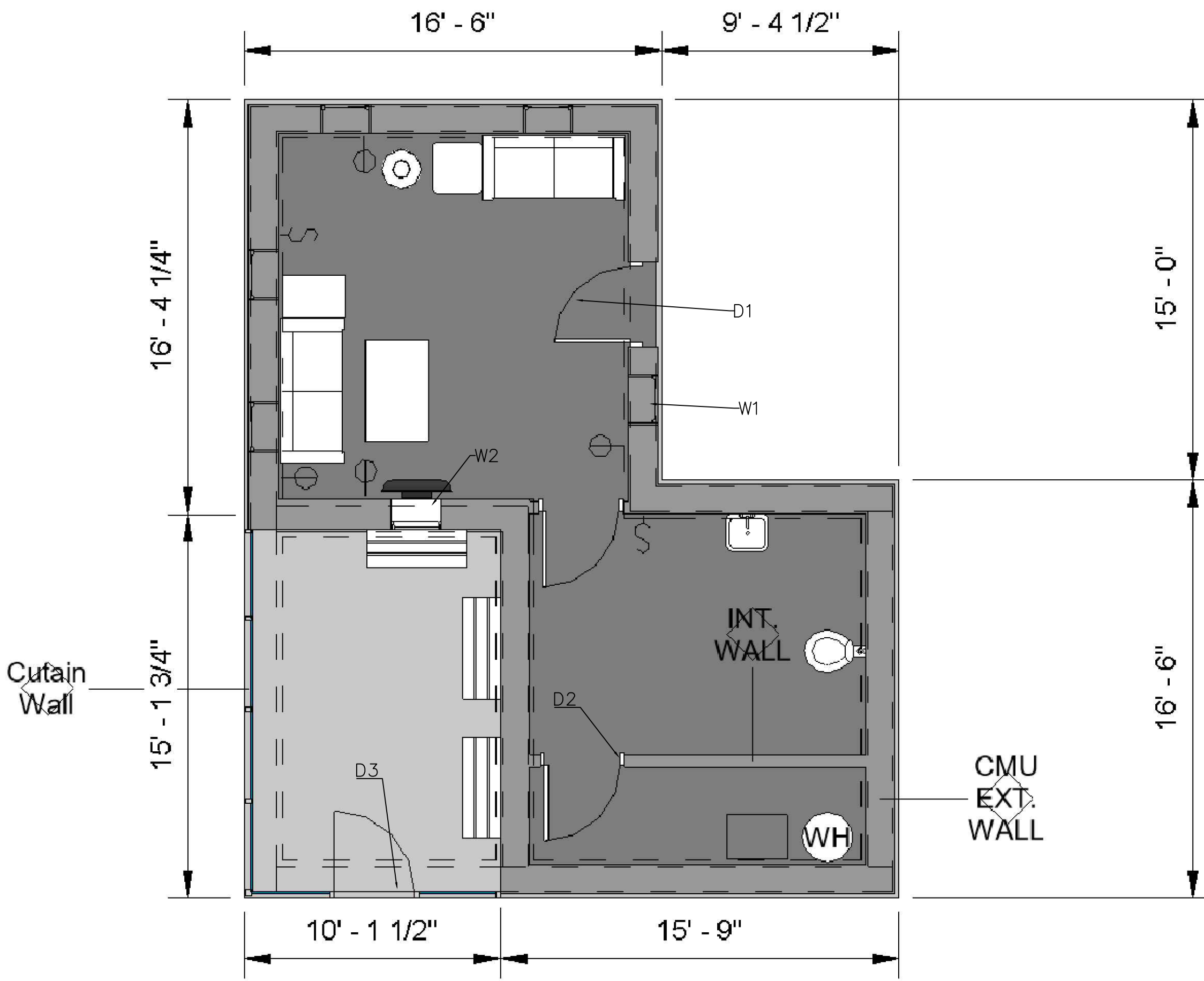
- CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES IN GRADE BEAMS, FOUNDATION WALLS AND PIERS.
- UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS.
- PROVIDE SAW CUT CONTROL JOINTS IN ALL SLABS-ON-GRADE. LOCATE JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED AT A MAXIMUM OF 36 TIMES THE SLAB THICKNESS, UNLESS NOTED OTHERWISE. CONTROL JOINTS SHALL BE CONTINUOUS, NOT STAGGERED OR OFFSET. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5 TO 1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS FORMED IN SLAB ON GRADE.
- CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE.
- ALL ABANDONED FOOTINGS, UTILITIES, AND OTHER STRUCTURES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
- NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE, OR SNOW.
- DURING WINTER CONSTRUCTION, ALL FOOTINGS SHALL BE PROTECTED FROM FROST PENETRATION UNTIL THE BUILDING IS ENCLOSED AND TEMPORARY HEAT IS PROVIDED.
- ALL UNACCEPTABLE MATERIAL AND ORGANIC MATERIAL SHALL BE REMOVED FROM BELOW ALL PROPOSED SLABS-ON-GRADE AND THE EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED AND THE COMPACTION VERIFIED PRIOR TO PLACING FILL AREAS EXHIBITING WEAKNESS SHALL BE REMOVED AND REPLACED BY ACCEPTABLE COMPACTED FILL.
- ALL SLABS-ON-GRADE SHALL BE PLACED ON MINIMUM 6" WELL COMPACTED GRANULAR MATERIAL.

CONCRETE

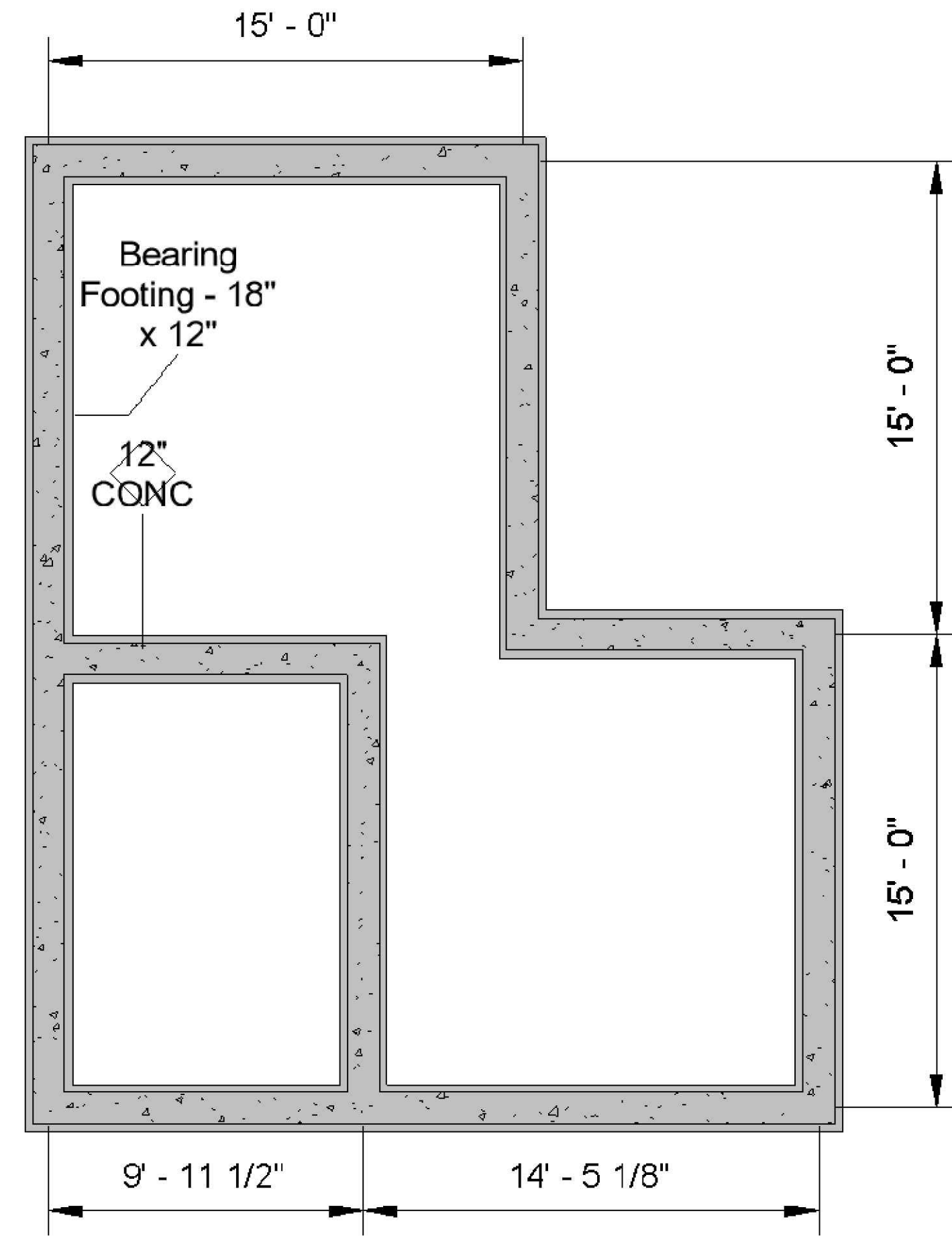
- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 117, ACI 301, ACI 305.1, ACI 308.1, ACI 308.2, ACI 308.3, ACI 308.4, ACI 308.5, ACI 308.6, ACI 308.7, ACI 308.8, ACI 308.9, ACI 308.10, ACI 308.11, ACI 308.12, ACI 308.13, ACI 308.14, ACI 308.15, ACI 308.16, ACI 308.17, ACI 308.18, ACI 308.19, ACI 308.20, ACI 308.21, ACI 308.22, ACI 308.23, ACI 308.24, ACI 308.25, ACI 308.26, ACI 308.27, ACI 308.28, ACI 308.29, ACI 308.30, ACI 308.31, ACI 308.32, ACI 308.33, ACI 308.34, ACI 308.35, ACI 308.36, ACI 308.37, ACI 308.38, ACI 308.39, ACI 308.40, ACI 308.41, ACI 308.42, ACI 308.43, ACI 308.44, ACI 308.45, ACI 308.46, ACI 308.47, ACI 308.48, ACI 308.49, ACI 308.50, ACI 308.51, ACI 308.52, ACI 308.53, ACI 308.54, ACI 308.55, ACI 308.56, ACI 308.57, ACI 308.58, ACI 308.59, ACI 308.60, ACI 308.61, ACI 308.62, ACI 308.63, ACI 308.64, ACI 308.65, ACI 308.66, ACI 308.67, ACI 308.68, ACI 308.69, ACI 308.70, ACI 308.71, ACI 308.72, ACI 308.73, 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<Door Schedule>				
A	B	C	D	E
Width	Mark	Height	Fire Rating	Description
3' - 2"	D3	7' - 0 1/2"		Glass Door
3' - 0"	D2	7' - 0"		Metal Exterior Door
3' - 0"	D1	7' - 0"		Wood Interior Door

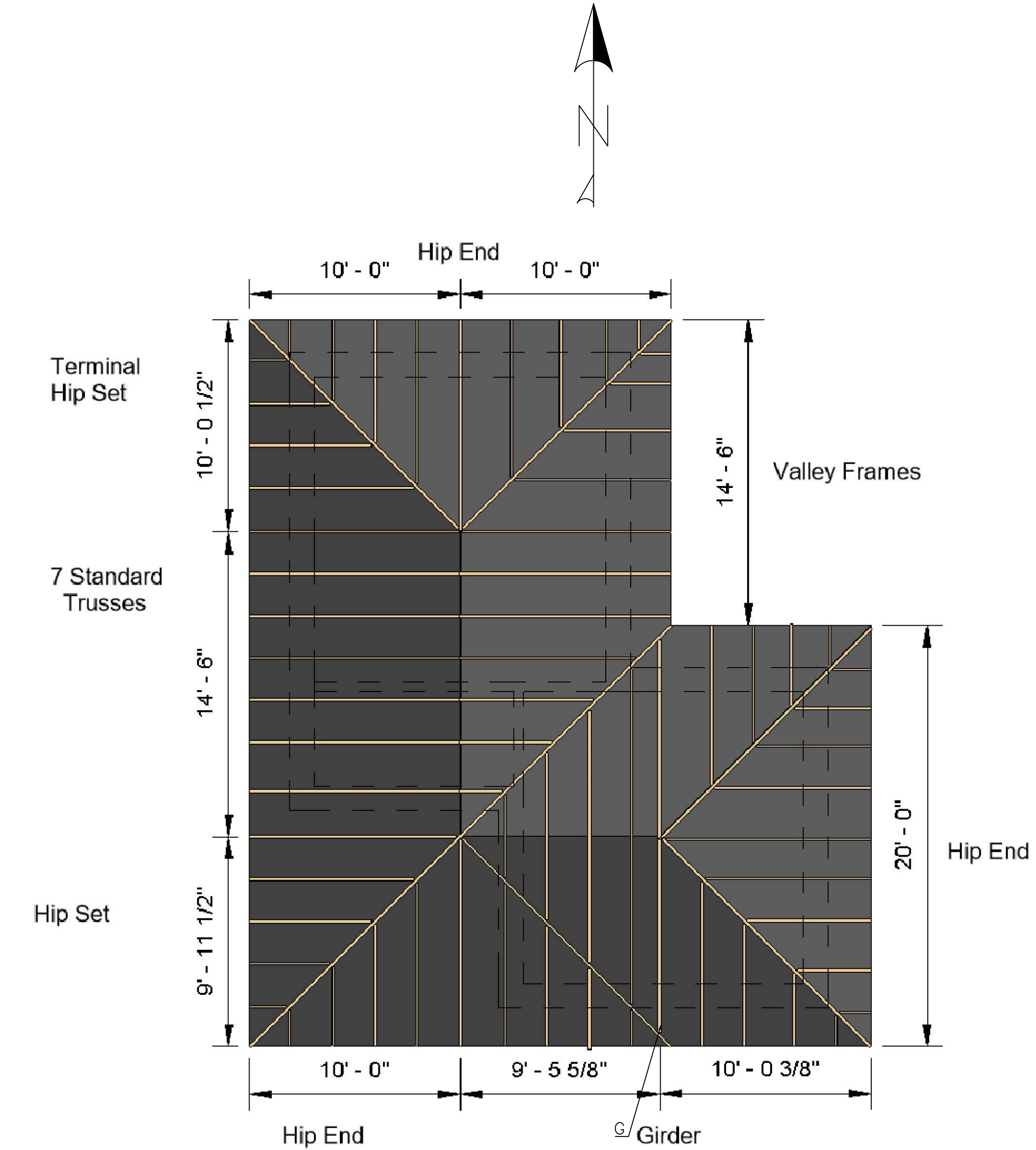
<Window Schedule>		
A	B	C
Mark	Width	Height
W1	2' - 0"	4' - 0"
W2	2' - 0"	3' - 0"



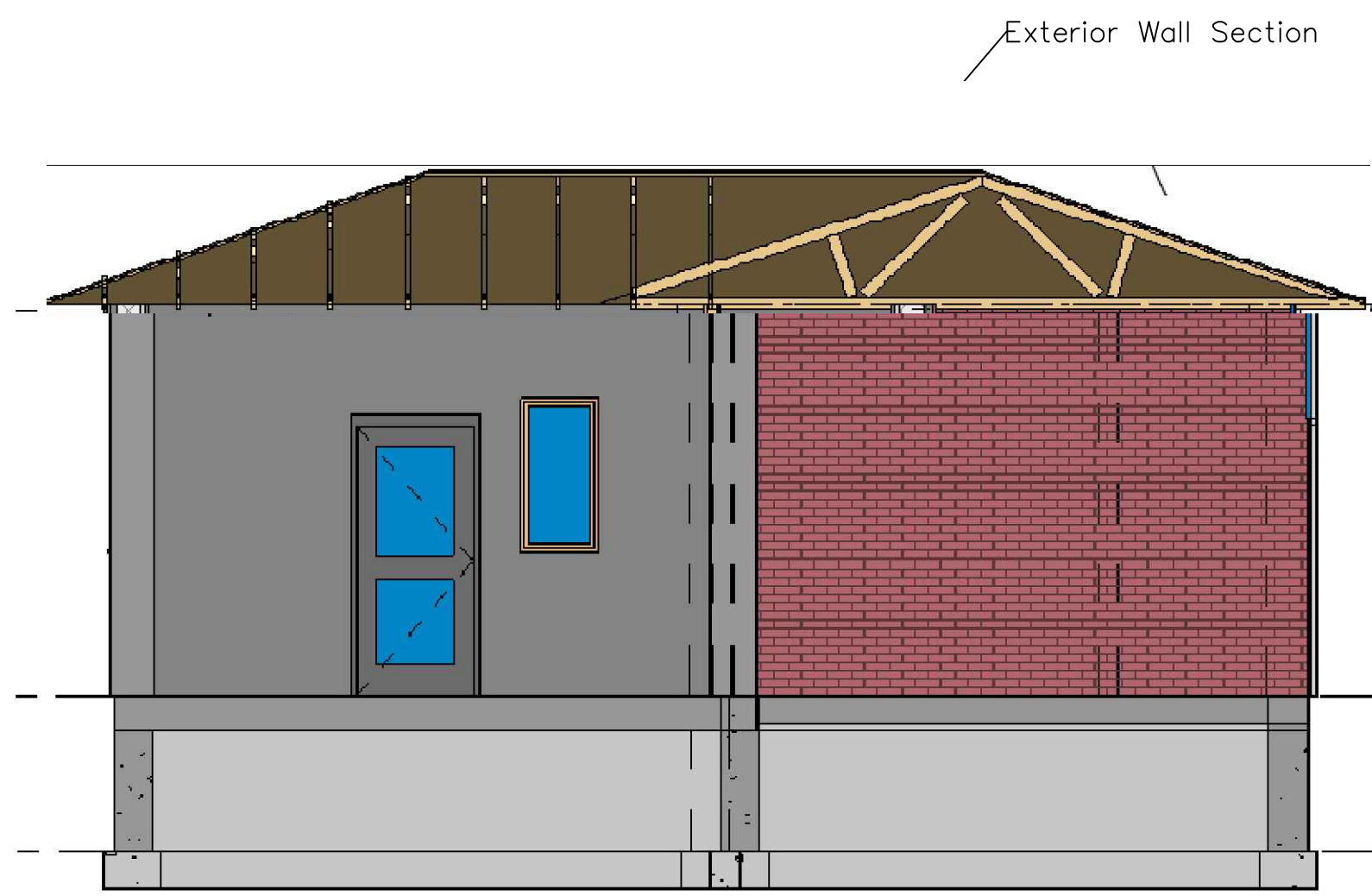
① Level 1 Floor Plan
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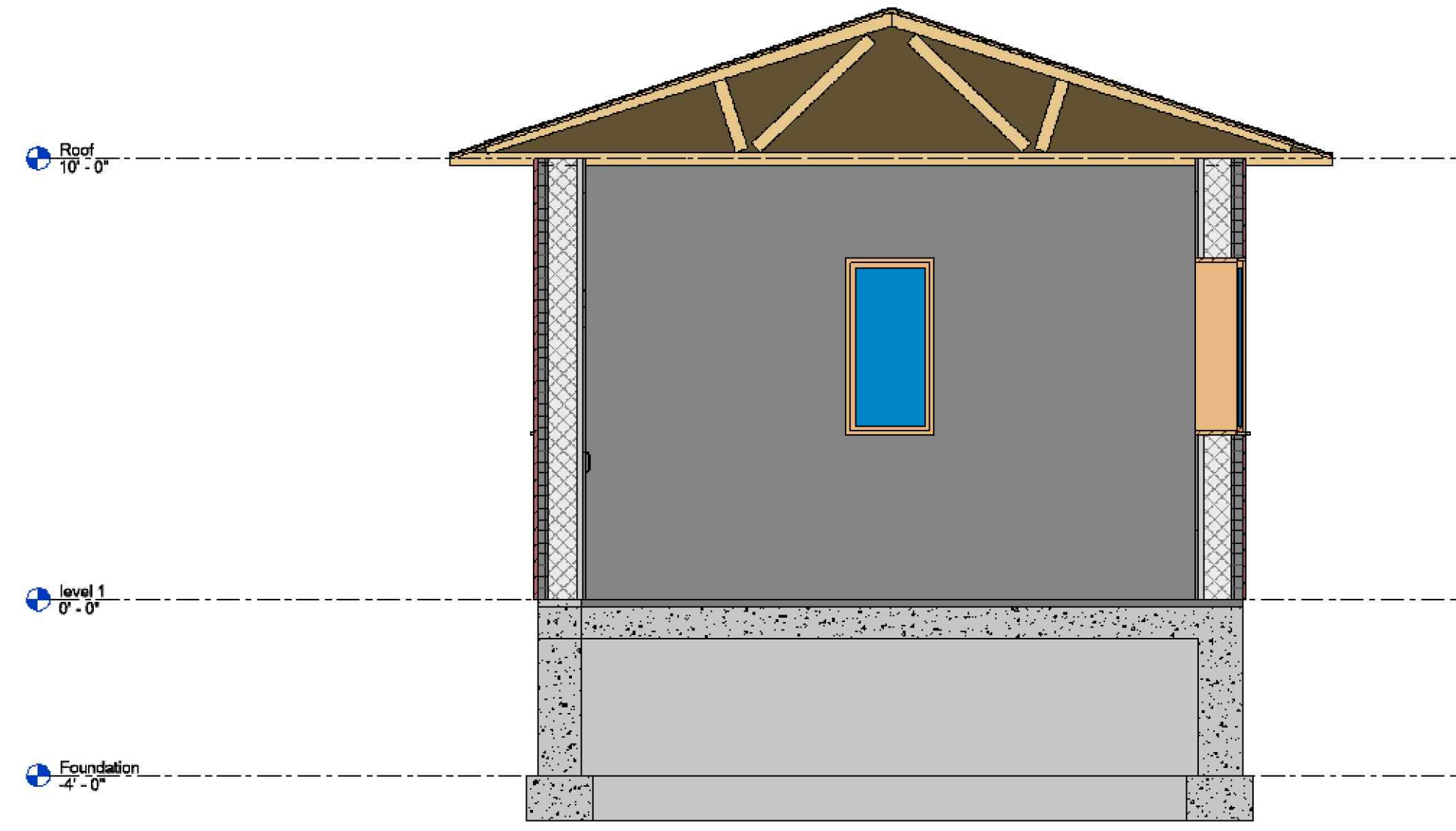
② Foundation Plan
1: 100



③ Roof Framing Plan
1: 100



④ Section 1 EW
1: 100



⑤ Section 2 N/S
1: 100

PROJECT: CEE 4850
DATE: 04/06/2022
DRAWN BY: Alexander Underwood
REVISION:

THE UNIVERSITY OF IOWA
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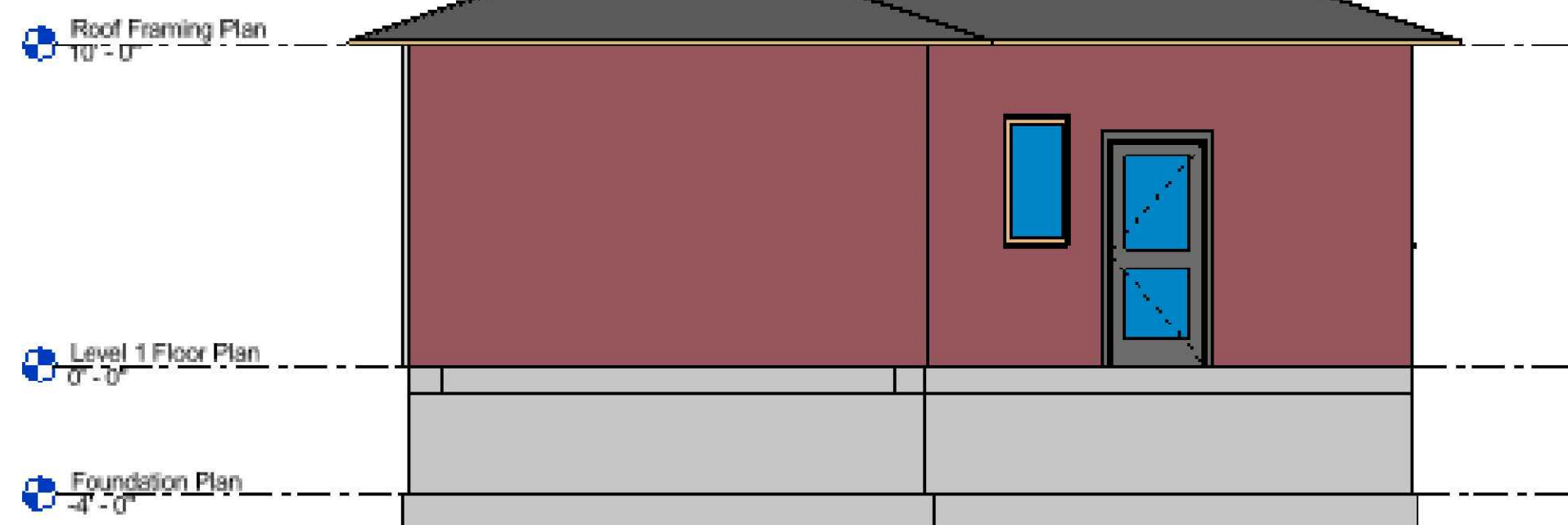
EDUCATIONAL - NOT FOR CONSTRUCTION

Clinton Parking Lot Redesign
Central Transit Point 6th Ave. S.
IOWA CITY, IOWA 52242

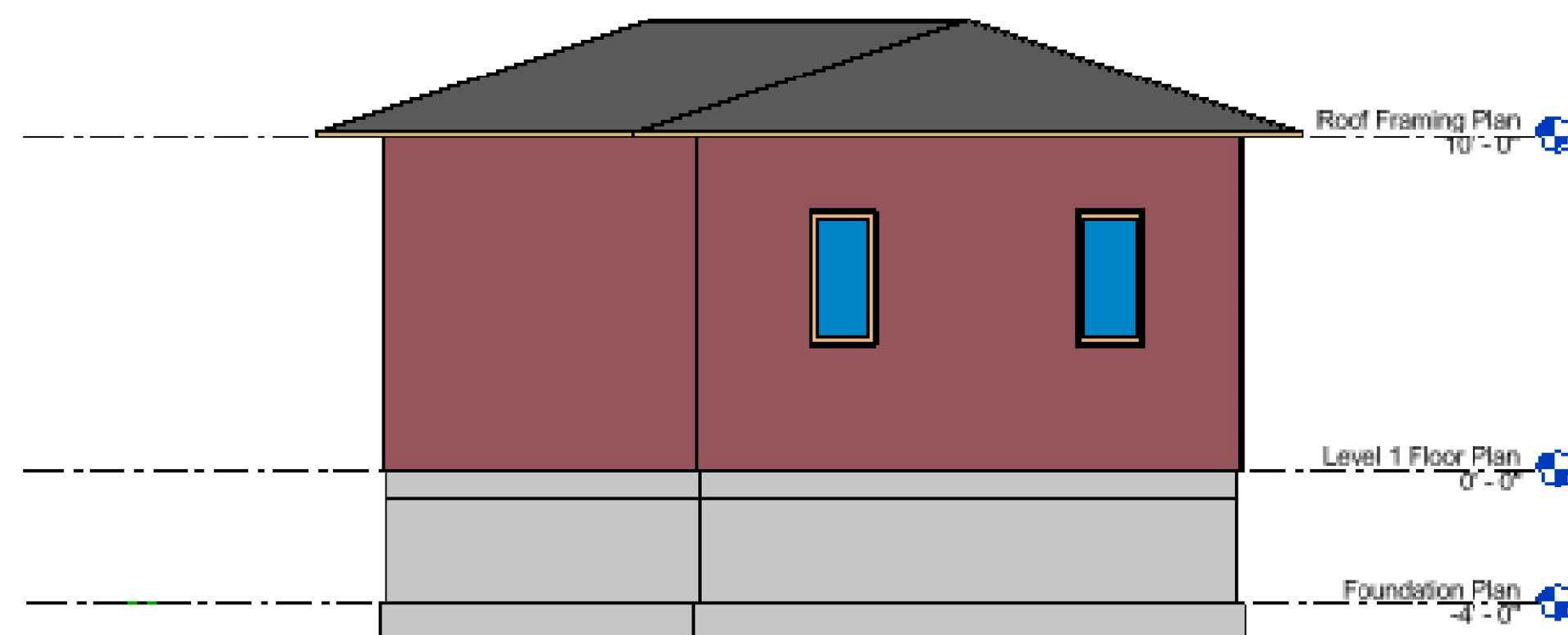
SHEET NAME
Building Floor Plans

SHEET NO.
G3

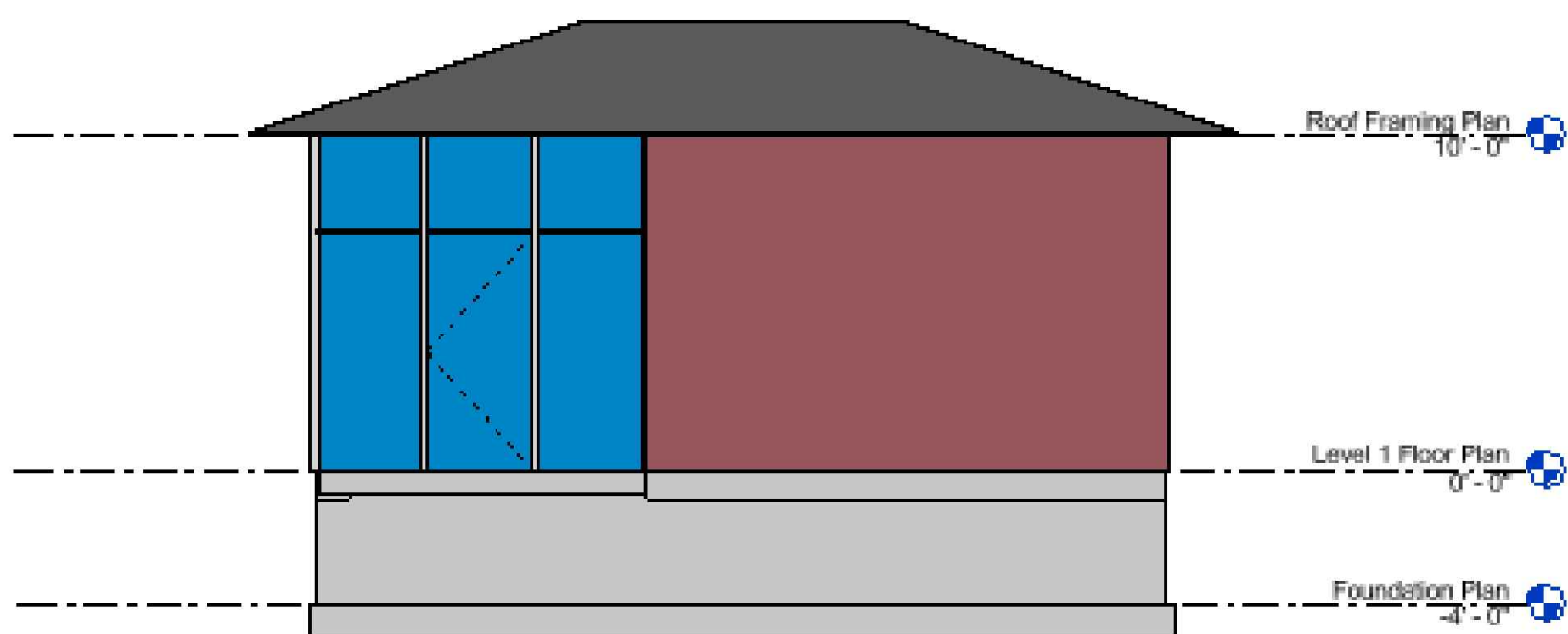
Roof Slope: 4":12"



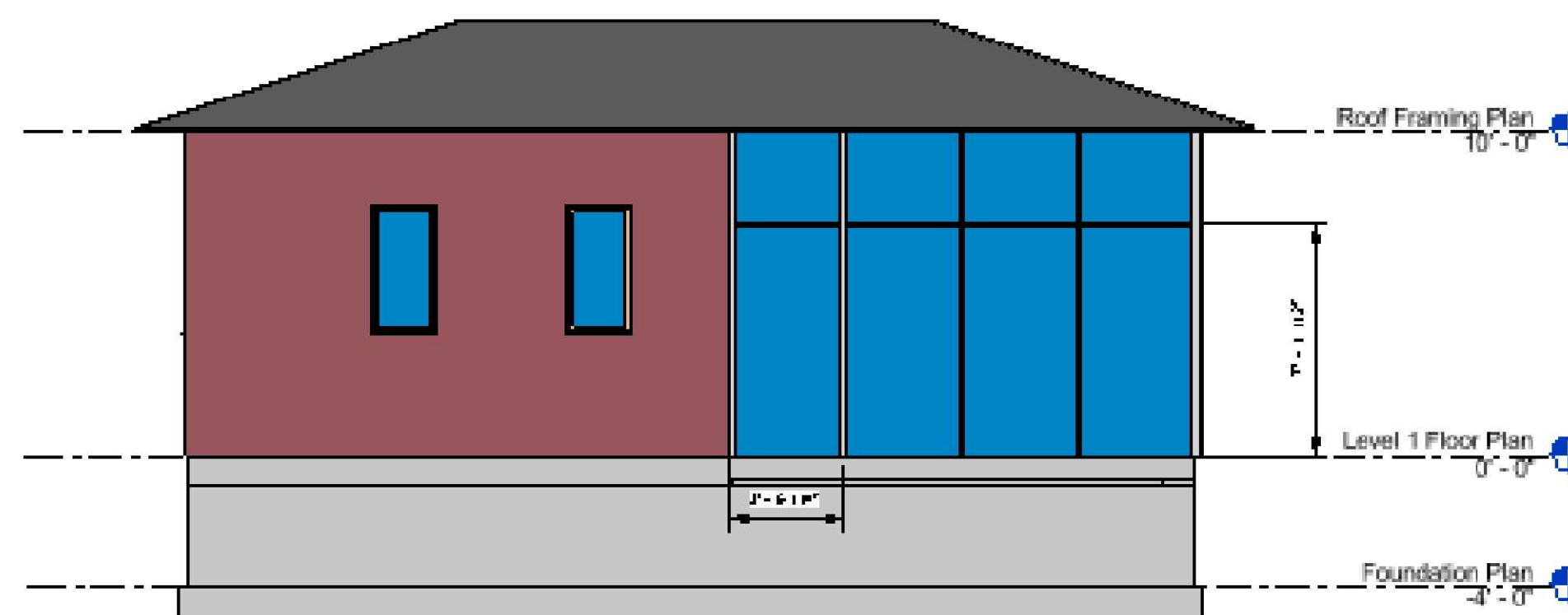
East
1:50



North
1:50



South
1:50



West
1:50

PROJECT:	CEE: 4850
DATE :	04/27/2022
DRAWN BY:	Alexander Underwood
REVISION:	

THE UNIVERSITY OF IOWA
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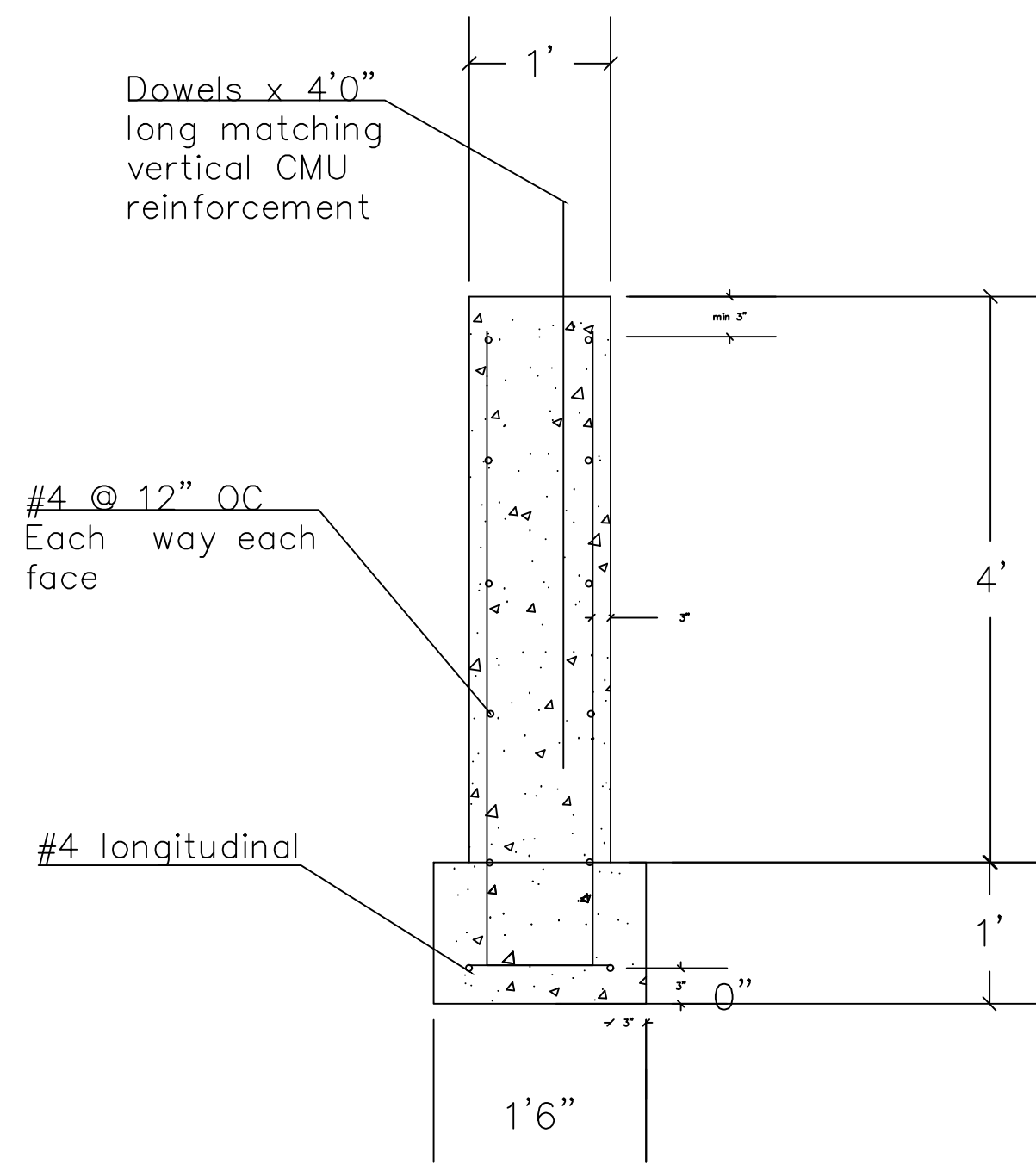


EDUCATIONAL - NOT FOR CONSTRUCTION

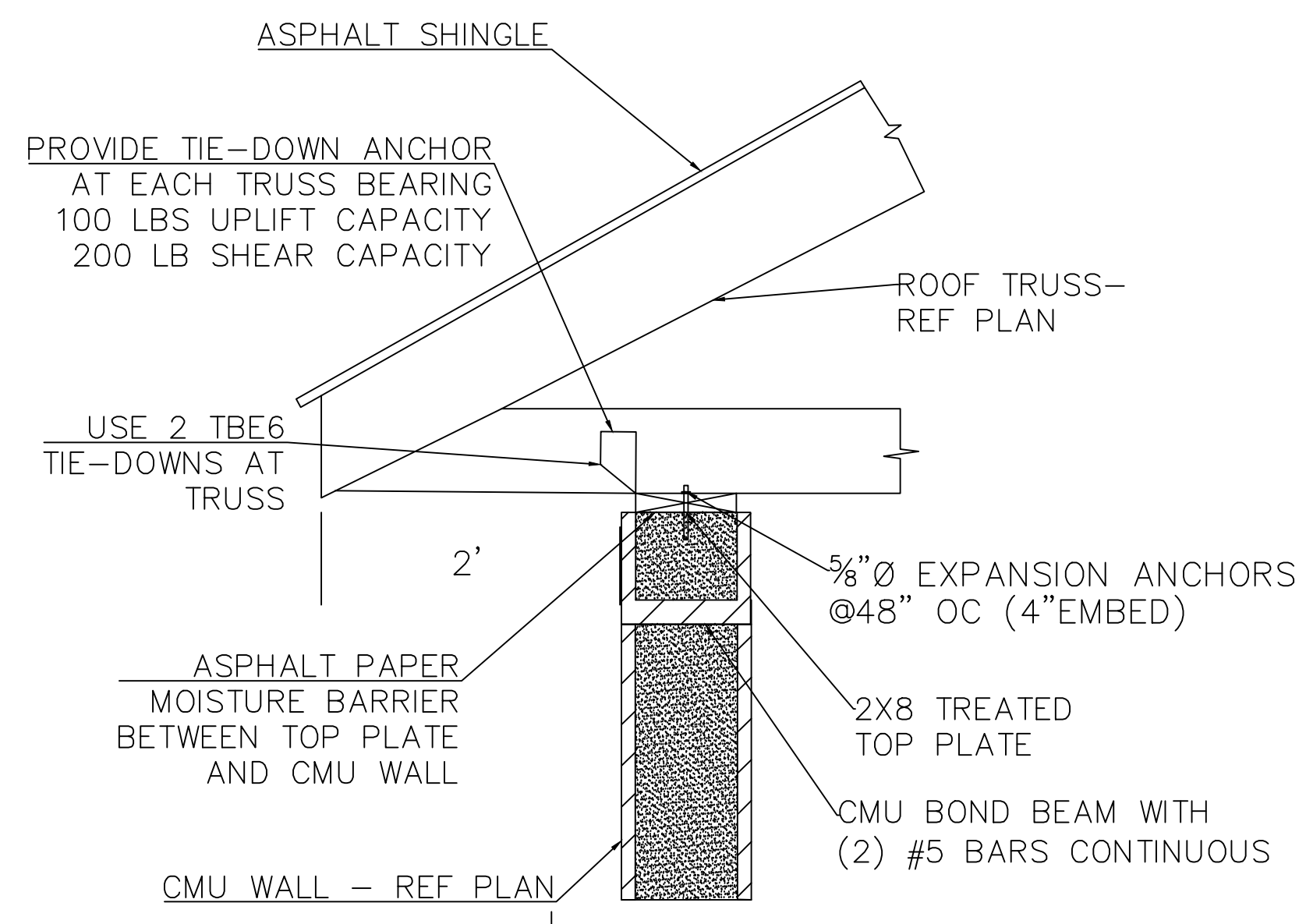
Clinton Parking Lot Redesign
 Central Transit Point 6th Ave. S.
 IOWA CITY, IOWA 52242

SHEET NAME
 Elevation Views

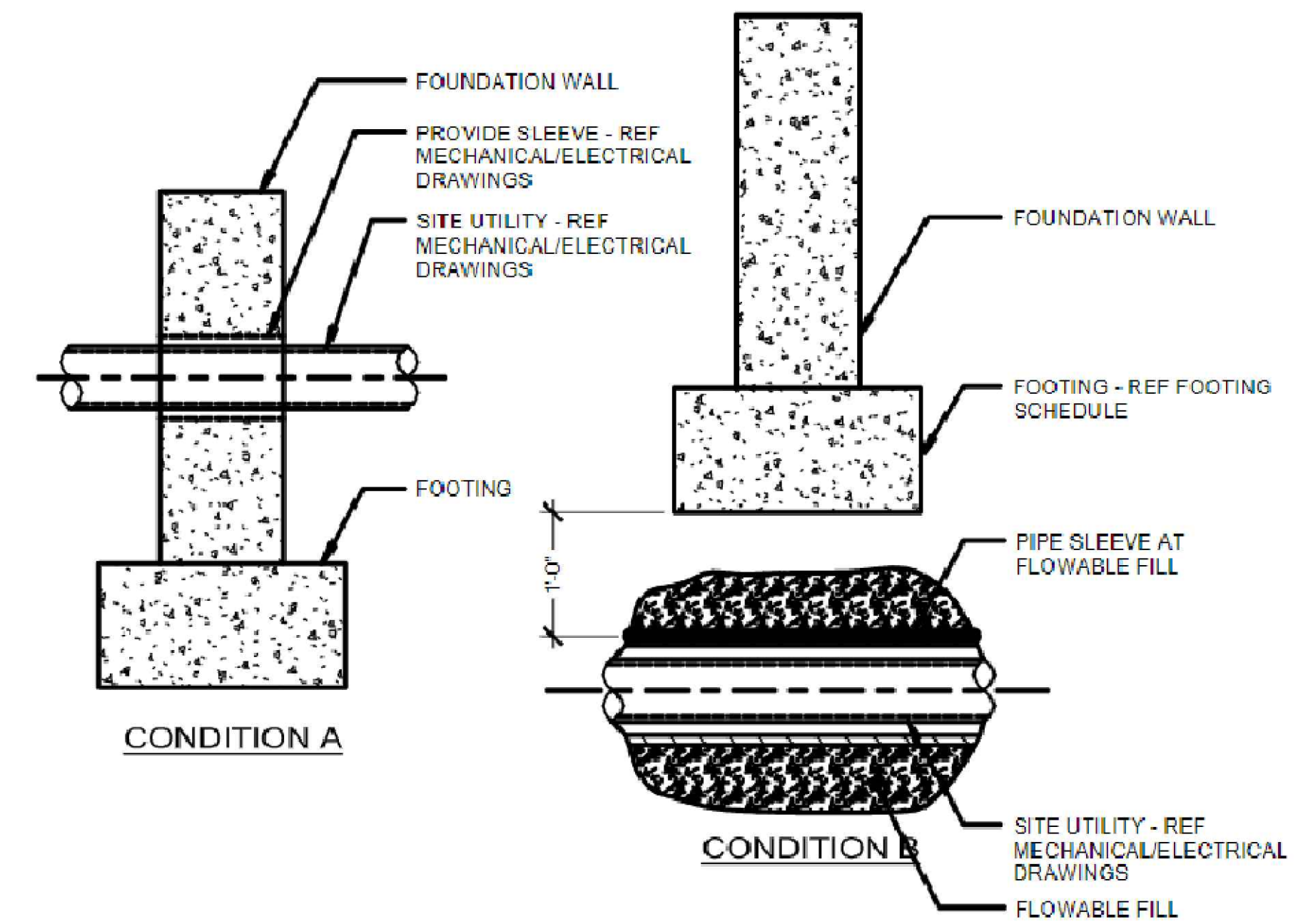
SHEET NO.
G4



① Foundation Wall/Footing
1:20

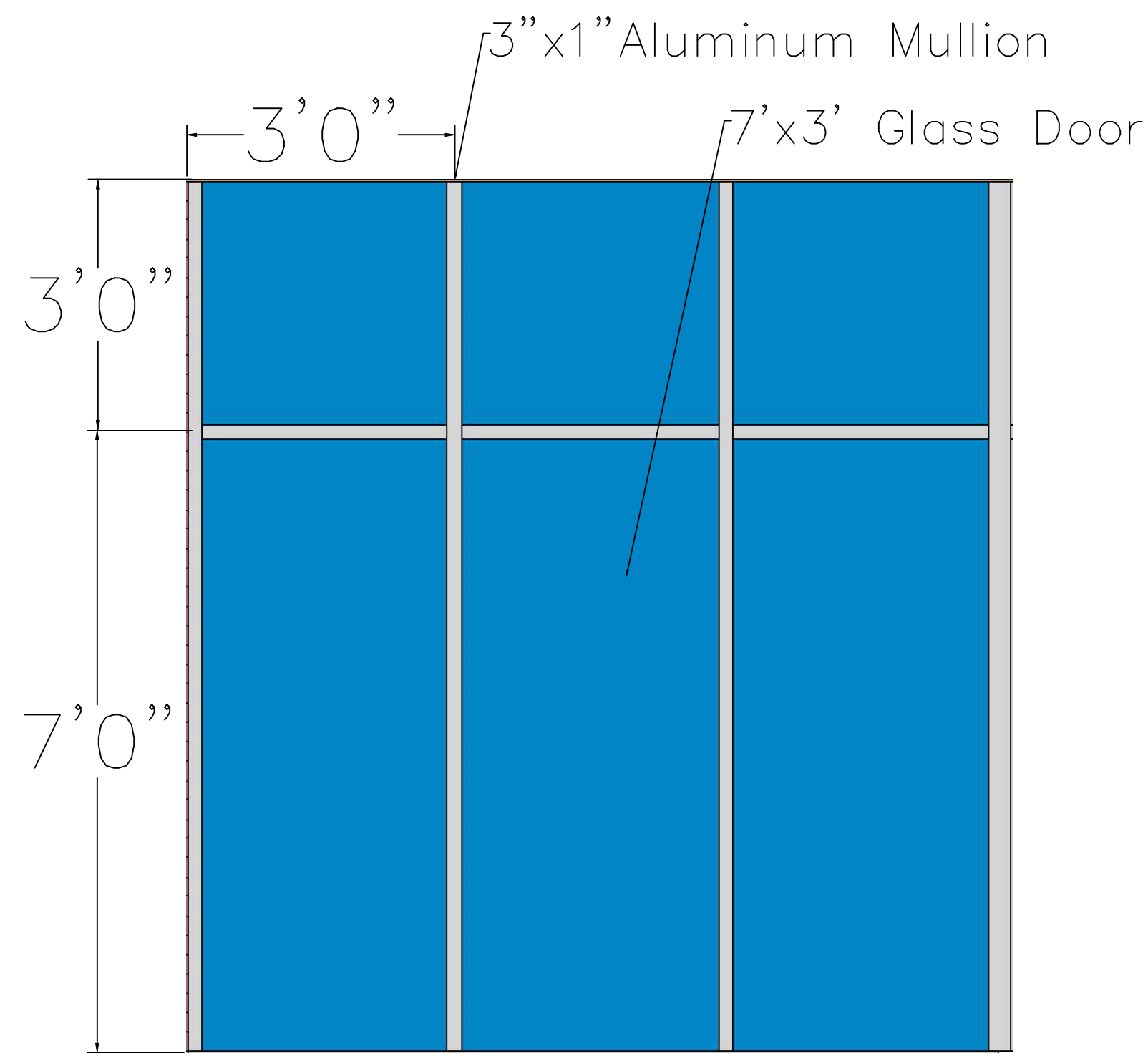


② Typical Truss Bearing Detail
1:20

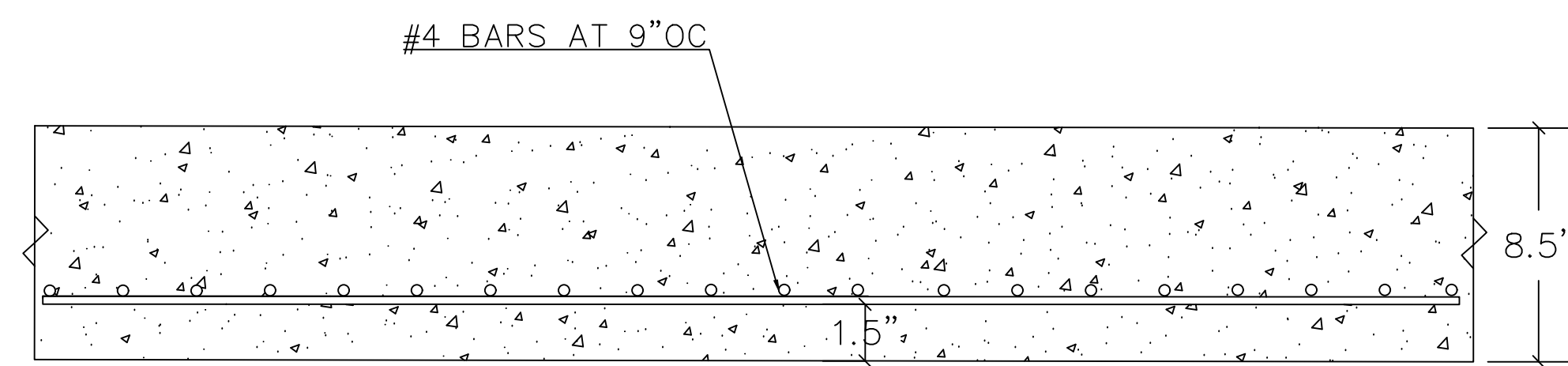
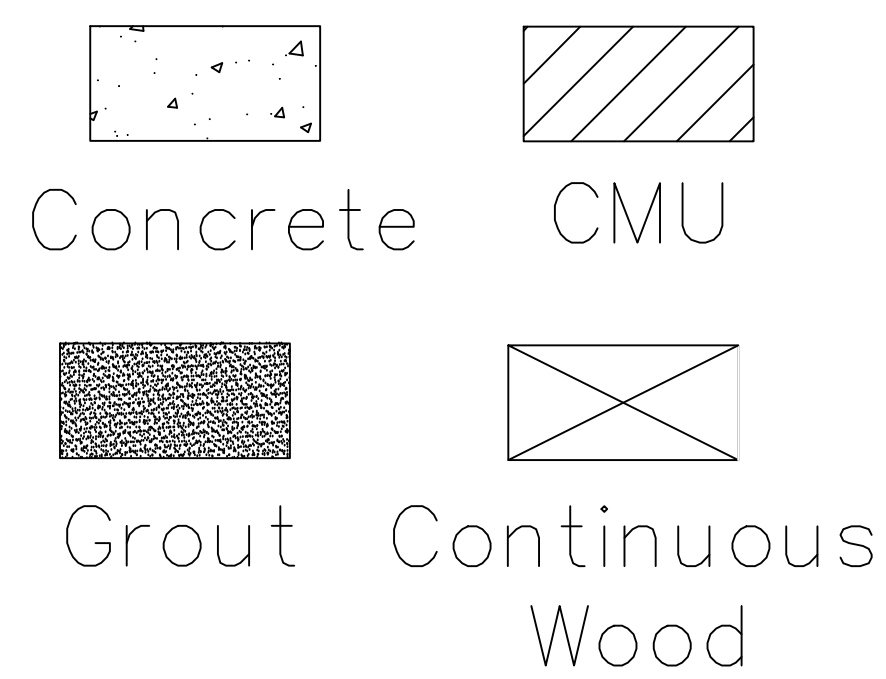


③ TYPICAL FOUNDATION DETAILS AT SITE UTILITIES
SCALE: 3/4" = 1'-0"

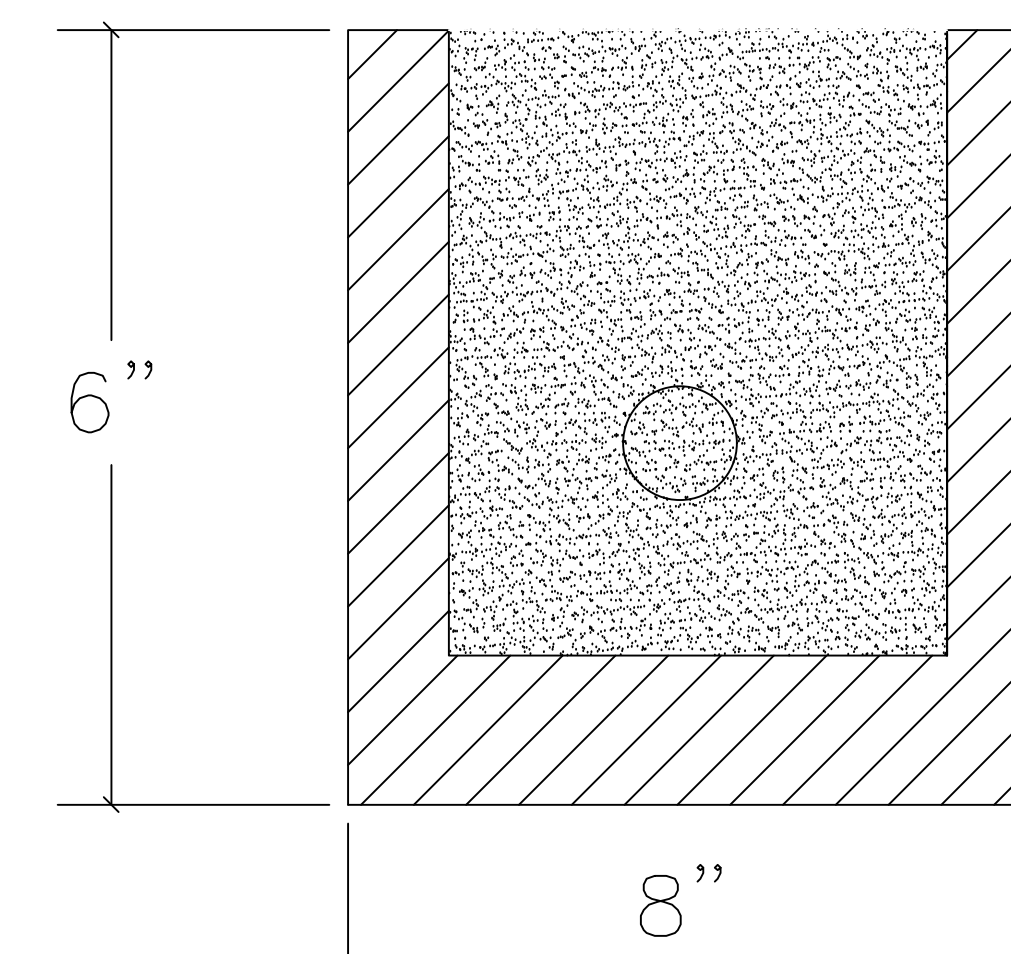
- NOTES:
1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC., OF SITE UTILITIES.
 2. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 3'-0". FOR WIDTHS GREATER THAN 3'-0", REFERENCE PLAN FOR REQUIRED DETAIL.



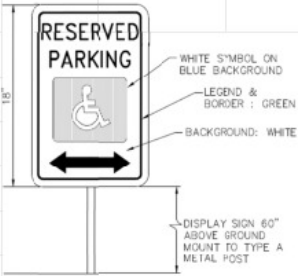
④ Curtain Wall Detail
1:50



⑤ First Floor Slab Detail
1:20

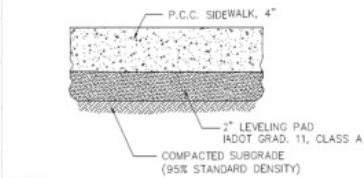


⑥ Door and Window Lintel Detail
1:10



ADA PARKING SIGN

NOT TO SCALE (PER LATEST ADA REQUIREMENTS)

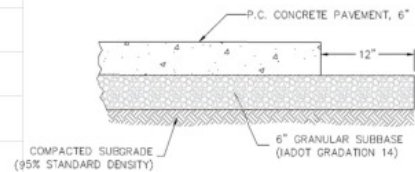


NOTES:

- 1.) PLACEMENT AND COMPACTION OF 2" LEVELING PAD SHALL BE CONSIDERED INCIDENTAL
- 2.) WHERE CONSTRUCTED ADJACENT TO CONCRETE CURB & GUTTER, PLACEMENT OF 1/2" EXPANSION JOINT SHALL BE CONSIDERED INCIDENTAL

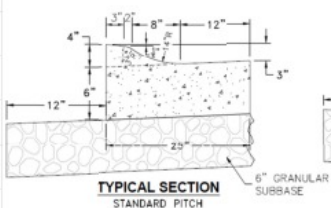
P.C.C. SIDEWALK SECTION

NOT TO SCALE

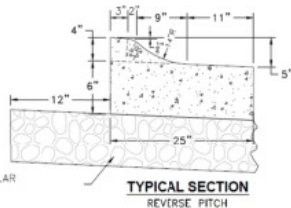


TYPICAL 6" P.C. CONCRETE PAVEMENT SECTION

NOT TO SCALE



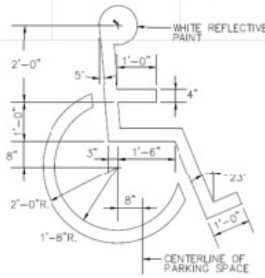
TYPICAL SECTION STANDARD PITCH



TYPICAL SECTION REVERSE PITCH

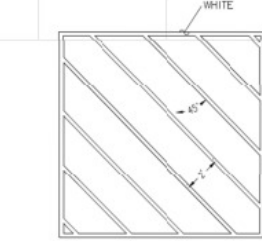
P.C.C. ROLL OVER CURB & GUTTER DETAIL

NOT TO SCALE



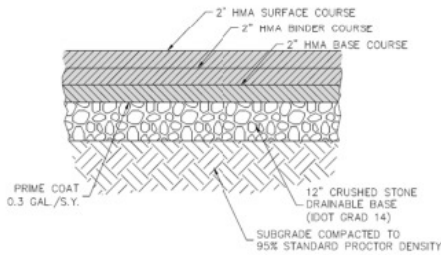
INTERNATIONAL ADA SYMBOL

NOT TO SCALE



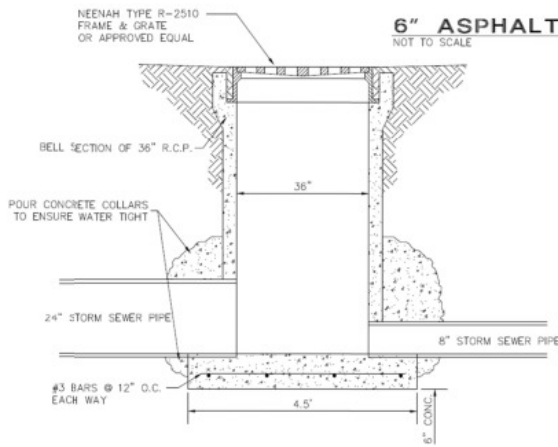
NOTES:

- 1.) SEE CONSTRUCTION PLANS FOR SITE SPECIFIC STALL DIMENSIONS.



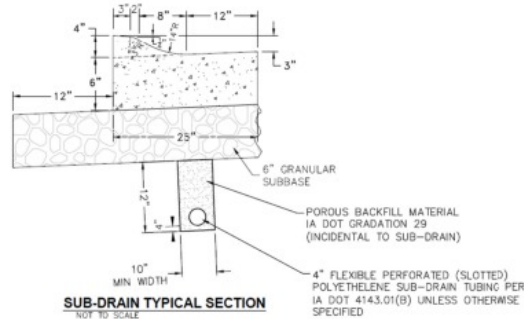
6" ASPHALT PAVING SECTION

NOT TO SCALE



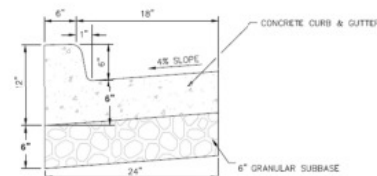
AREA INTAKE DETAIL

NOT TO SCALE



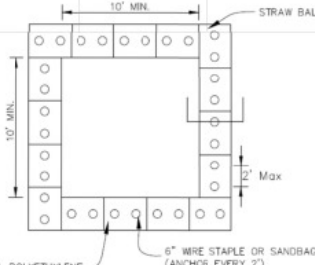
SUB-DRAIN TYPICAL SECTION

NOT TO SCALE

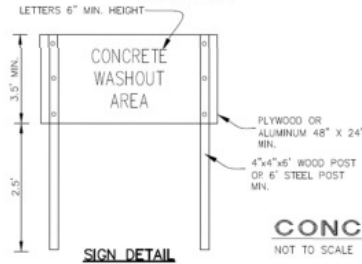


TYPICAL CONCRETE CURB & GUTTER DETAIL

NOT TO SCALE



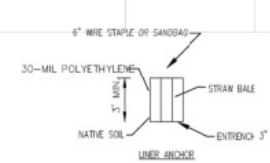
PLAN VIEW



SIGN DETAIL

CONCRETE WASHOUT DETAIL

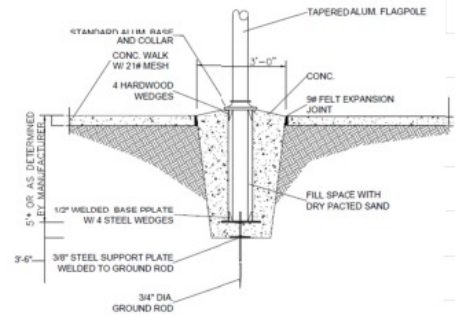
NOT TO SCALE



STRAW BALE ANCHOR SECTIONS

NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4" WOODEN STAKES.



11 FLAGPOLE BASE DETAIL

A12.4 NOT TO SCALE

PROJECT: RFP # 05-SPRING2022
 DATE: 04/19/2022
 DRAWN BY: IMEG
 REVISION:

THE UNIVERSITY OF IOWA
 CIVIL AND ENVIRONMENTAL ENGINEERING
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 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
 FAX: 319.335.5660
 EMAIL: civil-train@uiowa.edu



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CLINTON PARKING

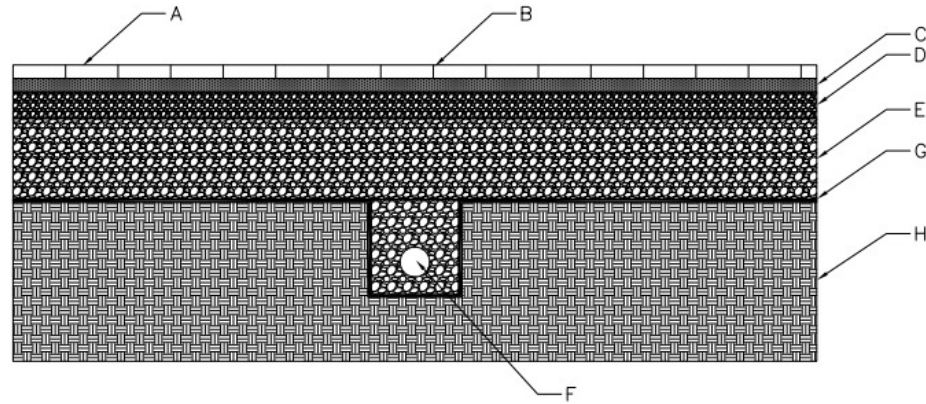
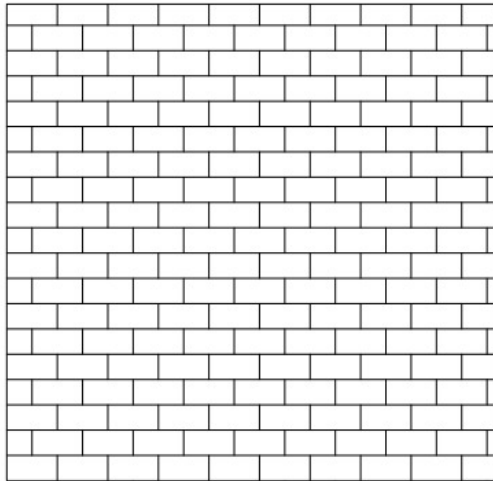
519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME
 GRACKLE
 DETAILS

SHEET NO.

H-1

PROPOSED PERMEABLE SURFACE LAYOUT



- A. Pavers: solid concrete pavers that fit together with slight gaps
- B. Granular Fill: 1/8th inch typ gaps in pavers usually filled with a small granite chip to allow water to pass through
- C. Setting Bed Aggregate: 2" layer of clean crushed 3/8" stone (ASTM No. 8)
- D. Filter Aggregate: 4" layer of 3/4" to 1" clean crushed stone (ASTM No. 57)
- E. Storage Aggregate: 12" layer of 1.5" to 3" clean stone (ASTM No. 2) (depth varies, depending on storage volume)
- F. Subdrain: Perforated subdrain tile ensures the system never stays saturated
- G. Fabric: high flow geotextile fabric
- H. Existing Soils: soils under the rock layer

PROJECT: RFP # 05-SPRING2022
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 DRAWN BY: CVH
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CLINTON PARKING

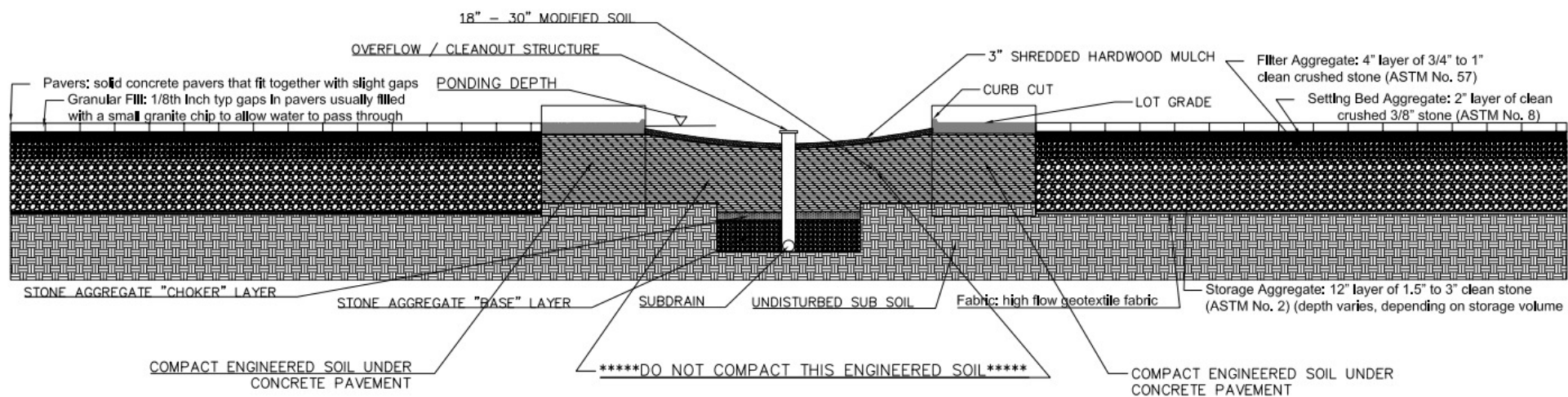
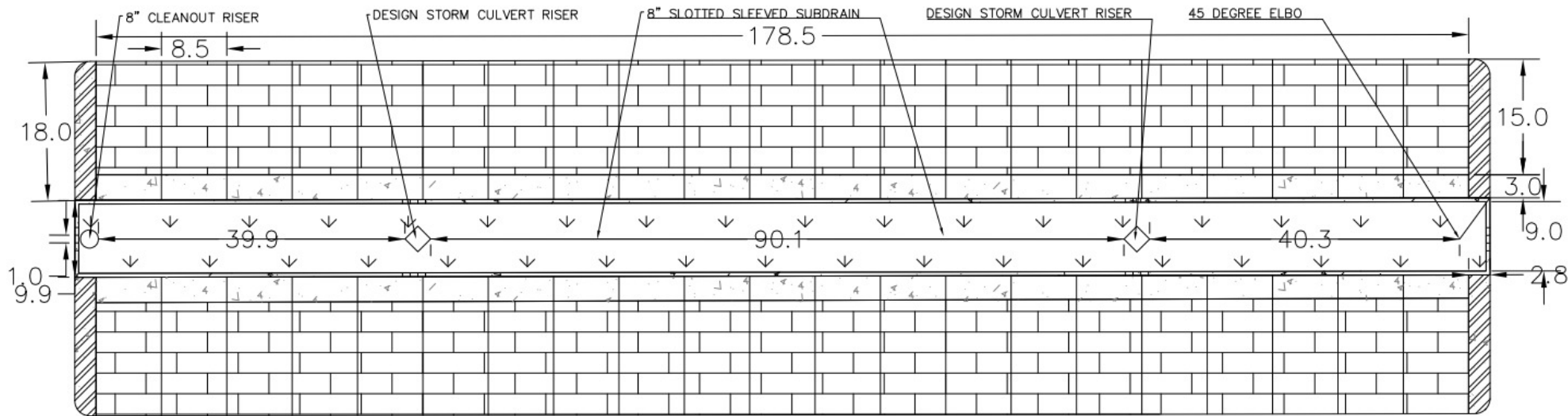
519 S 3RD ST
 CLINTON, IA 52732

SHEET NAME

PERMEABLE PAVE

SHEET NO.

H-2



PROJECT: RFP # 05-SPRING2022
 DATE: 04/19/2022
 DRAWN BY: CWI
 REVISION:

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CLINTON PARKING

399-301 S 4TH ST
 CLINTON, IA 52732

SHEET NAME
 BLUE JAY
 BIO-RETENTION

SHEET NO.
H-3