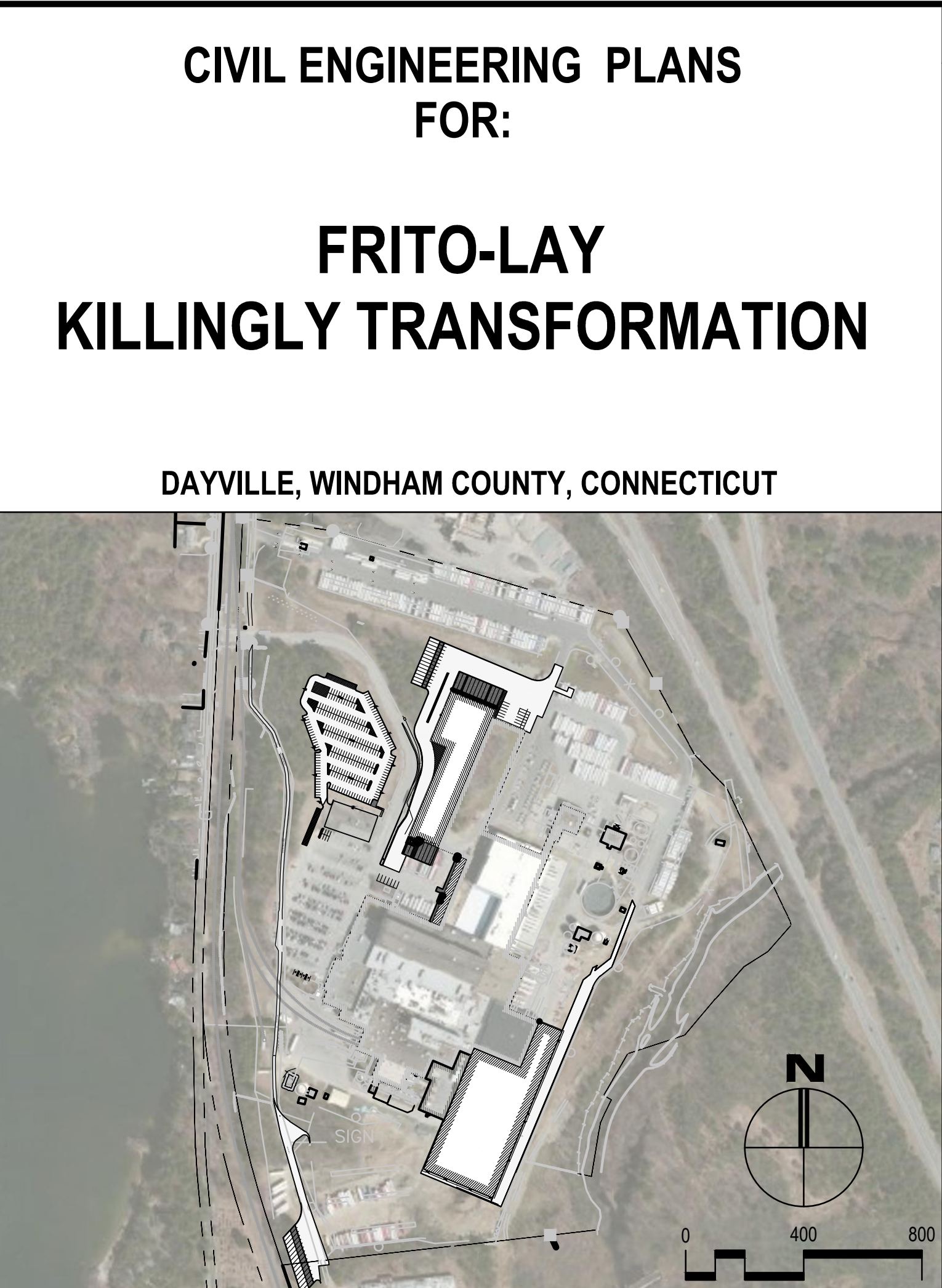


GENERAL CIVIL ENGINEERING LEGEND table with columns for EXISTING, PROPOSED, and DESCRIPTION. Includes symbols for property lines, fences, walls, buildings, roads, utilities, and structures.

APPLICABLE CODES table listing regulatory references including: TOWN OF KILLINGLY SECTION 470, ZONING REGULATIONS; 2004 CONNECTICUT STORMWATER QUALITY MANUAL; CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION; 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN; NATIONAL FIRE PROTECTION AGENCY (NFPA) 24 'STANDARD FOR INSTALLATION OF PRIVATE SERVICE MAINS'; TEN STATES STANDARDS FOR WASTEWATER FACILITIES, 2004 EDITION; AMERICAN CONCRETE INSTITUTE (ACI) 308R-08 'GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS'; and STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

GLOSSARY table with columns for REMOVE, INSTALL, PROVIDE, REMARKS, NOTES, and SALVAGE, detailing actions for demolition, material provision, and return to owner.



01/14/2022 THIS DRAWING SET IS BEING SUBMITTED AS A PROGRESS ISSUE MEANT FOR INFORMATION PURPOSES ONLY.

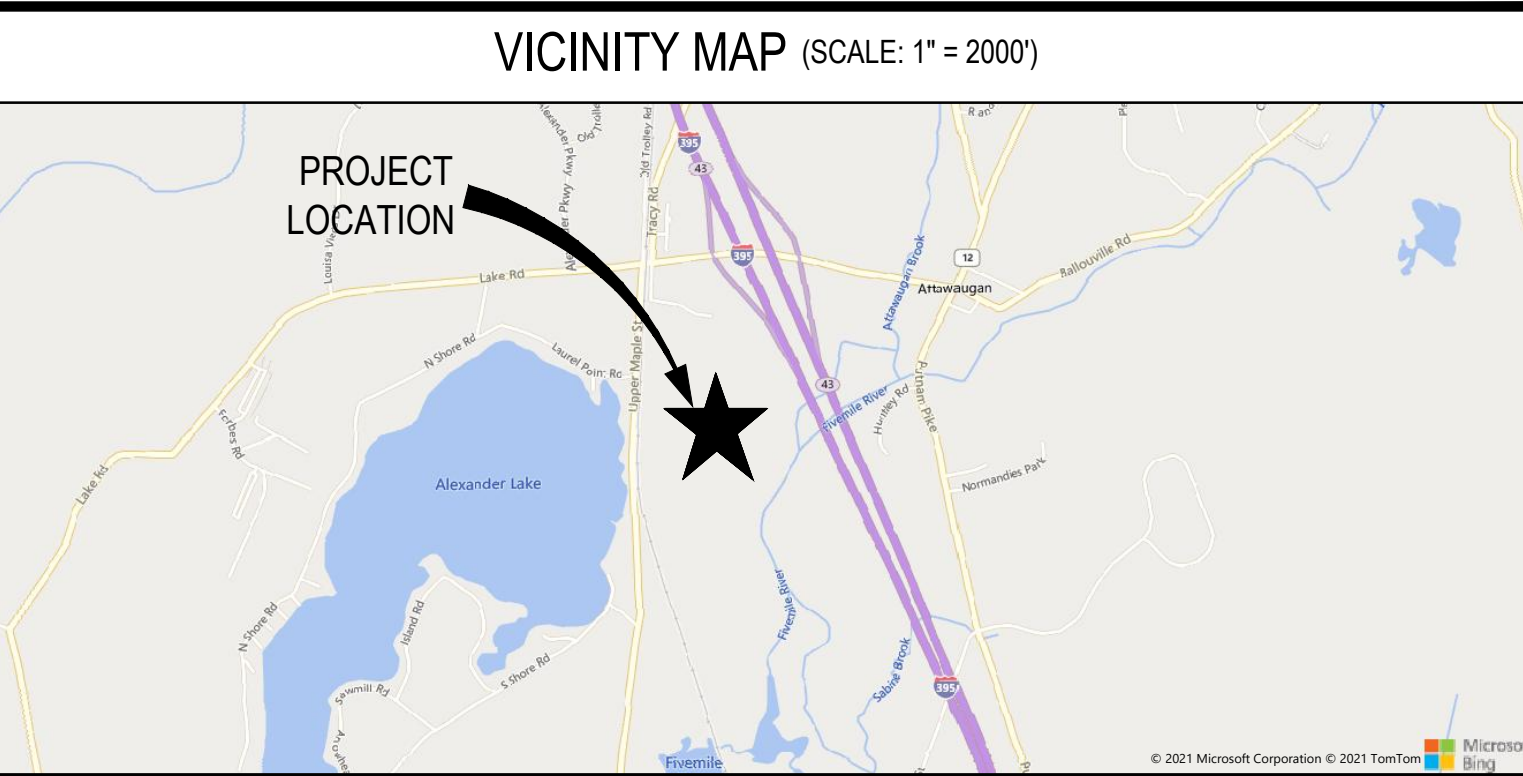
GENERAL NOTES

- 1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL INSTALL AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS NECESSARY TO RETAIN SEDIMENTS ON THE SITE.
2. CONTRACTOR SHALL MAINTAIN RED-LINE DRAWINGS DURING CONSTRUCTION WHICH SHOW 'AS-BUILT' CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RED-LINE DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
... (22 notes detailing construction requirements, safety, and quality control) ...
22. ALL STORM SEWER LINES SHALL BE TELEVIEWED AND THE VIDEO REPORTS SUBMITTED TO THE ENGINEER FOR REVIEW.
a. VIDEO REPORTS ARE TO BE SUBMITTED ON CD-ROM OR DVD COMPACT DISKS.
b. ALL LINES MUST BE FLUSHED AND CLEANED WITH POTABLE WATER PRIOR TO TELEVIEWING.
c. VIDEO REPORTS WILL BE USED TO VIEW THE CONDITION OF THE SANITARY SEWER PIPE PRIOR TO ACCEPTANCE. WORKMANSHIP AND CLEANLINESS OF THE INSTALLATION WILL BE CHECKED.
d. VIDEO REPORTS WILL BE USED TO VIEW THE CONDITION OF THE STORM SEWER PIPE PRIOR TO ACCEPTANCE. WORKMANSHIP AND CLEANLINESS OF THE INSTALLATION WILL BE CHECKED.
23. AS-BUILT SURVEY: THE CONTRACTOR SHALL VERIFY STORM SEWER IMPROVEMENTS ALIGNMENT BY PROVIDING AN 'AS-BUILT' SURVEY OF CONSTRUCTED CONDITIONS FROM A LICENSED SURVEYOR REGISTERED IN THE STATE OF CONNECTICUT. LOCATION: THE 'AS-BUILT' SURVEY SHALL INCLUDE VERTICAL AND HORIZONTAL INFORMATION PERTAINING TO THE INSTALLATION OF THE STORM SEWER SYSTEM PIPING AND STRUCTURES. DATUM ELEVATION AND BENCHMARK LOCATIONS SHALL BE INDICATED.
INFORMATION TO BE INCLUDED IS AS FOLLOWS:
a. PIPE TYPE, SIZE, AND INVERT ELEVATIONS.
b. MANHOLE, DROP INLET, CURB INLET, YARD DRAIN, AND POND CONTROL STRUCTURE LOCATIONS WITH ELEVATIONS OF BOTTOM, RIM OR GRATE ELEVATION SHOWN.
c. POND CONTROL STRUCTURES: SHOW INFORMATION ON ALL FLOW CONTROL APPURTENANCES AND OUTLET PIPING.

CALLOUTS and ABBREVIATIONS. Callouts table includes symbols for key notes, benchmarks, enlarged plans, and sections. Abbreviations table lists standard engineering symbols such as AD (AREA DRAIN), ALT (ALTERNATE), PSF (POUNDS PER SQUARE FOOT), etc.

ABBREVIATIONS table listing standard engineering symbols and their corresponding descriptions, including AD (AREA DRAIN), ALT (ALTERNATE), PSF (POUNDS PER SQUARE FOOT), etc.

DESIGN CRITERIA table listing project specifications: SIZE AREA: 79.04 AC; DISTURBED AREA: 14.29 AC; LATITUDE: 41°51'44.04"N; LONGITUDE: 71°53'27.53"W; FINISHED FLOOR ELEVATION: F.F.E.=283.00'; FLOOD PLAIN: 'ZONE X'; FIRM MAP NUMBER: 090136 0004 B EFFECTIVE DATE: 01/03/1985; ZONING: INDUSTRIAL; PROJECT USE: INDUSTRIAL; HYDRAULIC SOIL GROUP: A, B, AND B / D; DOWNSTREAM WATER BODY: FIVE MILE RIVER; DESIGN STORM: CONVEYANCE: 10 YR / 10 MINUTE; FLOOD MITIGATION: 100 YR; ROUTING: 2 YR / 24 HR, 3.2 IN.; 10 YR / 24 HR, 4.8 IN.; 25 YR / 24 HR, 5.5 IN.; 100 YR / HR, 6.9 IN.; INTENSITY: 10 YR / 10 MIN. = 4.97 IN/HR; TC = 10 MIN.; STORM WATER MANAGEMENT CRITERIA: 2004 CONNECTICUT STORMWATER QUALITY MANUAL; TOWN OF KILLINGLY.



CIVIL SHEET INDEX table listing sheet numbers and titles: SHEET NUMBER, SHEET TITLE, and sheet numbers with corresponding titles like 2C-001 COVER SHEET, 2C-104 EXISTING CONDITIONS PLAN, etc.

Table listing sheet numbers and titles, including 2C-140 OVERALL GRADING & DRAINAGE PLAN, 2C-141 GRADING & DRAINAGE PLAN, etc.

CONTACT INFORMATION

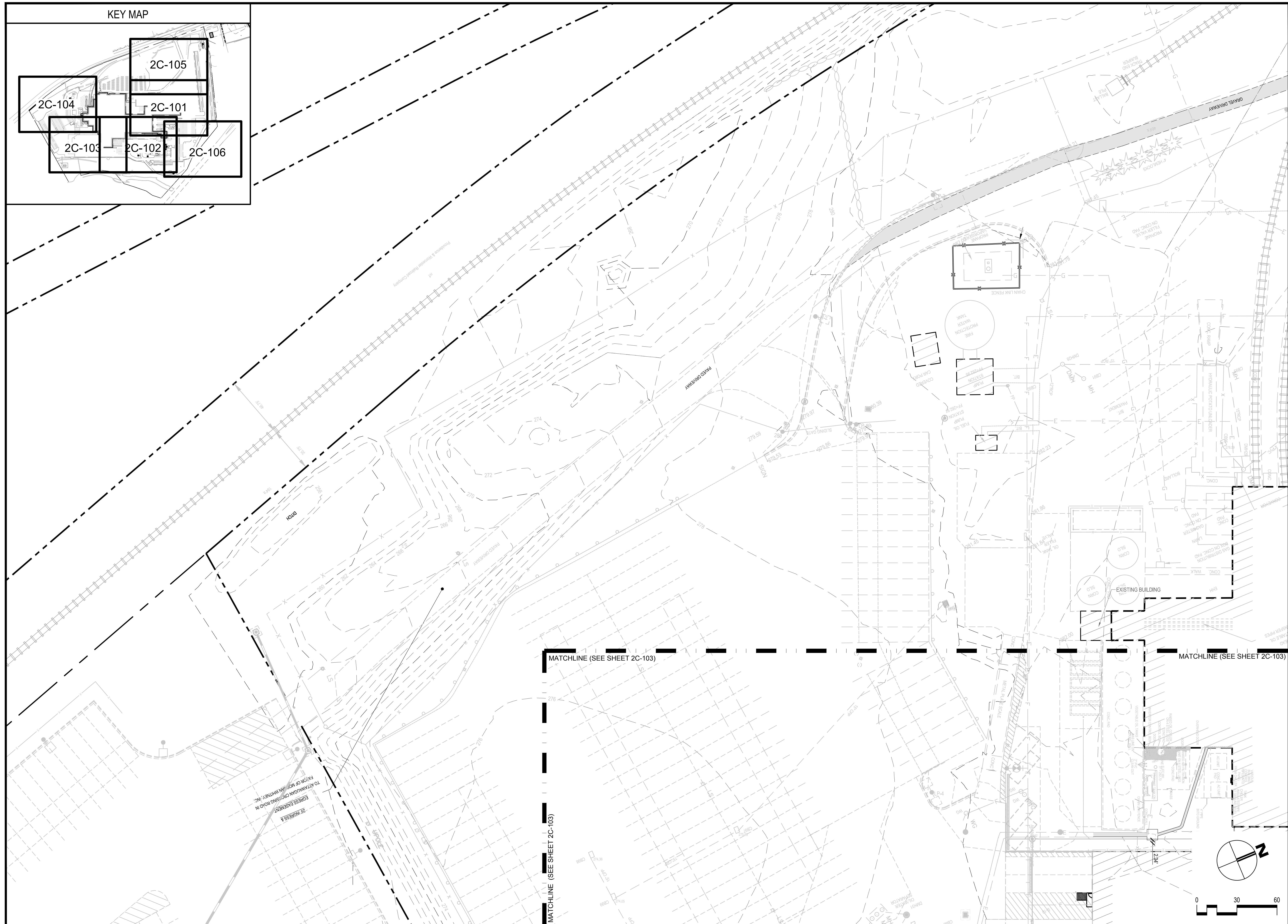
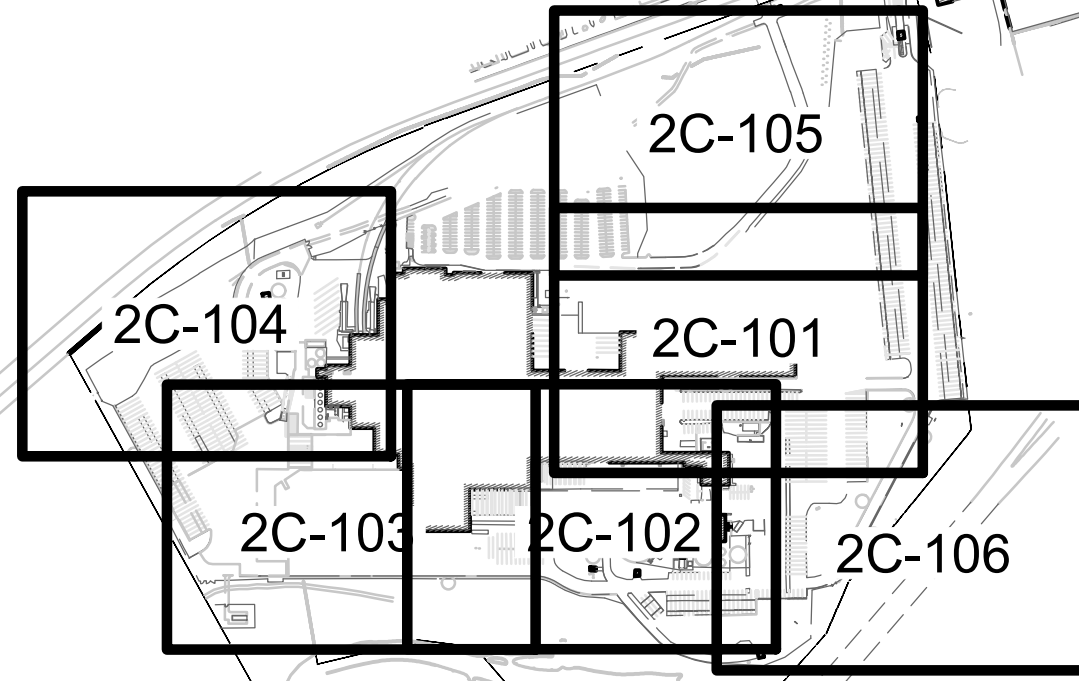
ENGINEER-OF-RECORD: JOSHUA R. HOUGH, LICENSE NUMBER: PEN 0031834. HASKELL ARCHITECTS and ENGINEERS, P.C., 111 RIVERSIDE AVENUE, JACKSONVILLE, FL 32202. OWNER/DEVELOPER: FRITO-LAY INC., 7701 LEGACY DR., PLANO, TX 75024. PROJECT CONTACT: KEVIN J. CRUMP, P.E., HASKELL ARCHITECTS and ENGINEERS, P.C., 111 RIVERSIDE AVENUE, JACKSONVILLE, FL 32202.

ONE CALL SYSTEM section including the CBYD 811 logo and text 'Call Before You Dig, Inc.'

SIGNATURE BLOCK form with fields for SITE PLAN # (OR SPECIAL PERMIT #), DATE APPROVED, PLANNING AND ZONING, COMMISSION CHAIRMAN, and DATE.

Project title block containing: HASKELL ARCHITECTS and ENGINEERS, P.C. CONNECTICUT - Architecture and Engineering # 0000056; FRITO-LAY KILLINGLY TRANSFORMATION; KILLINGLY, CONNECTICUT; SHEET NUMBER 2C-001; and project description: CIVIL ENGINEERING PLANS FOR FRITO-LAY KILLINGLY TRANSFORMATION DAYVILLE, WINDHAM COUNTY, CONNECTICUT.

KEY MAP



JOSHUA R. HOUGH
CHALLENGER

HASKELL ARCHITECTS and ENGINEERS , P.C.
CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company
111 Riverside Avenue
Jacksonville, Florida 32202
Phone # (904) 791-4500



REG. NO. 33834

FRITO-LAY
KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
V	Progress Issue #2	09/20/21
R	Progress Issue #1	08/13/21
Q	P&Z CI	09/05/21

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CHECKED BY: JRH

AE JOB NUMBER
3401365

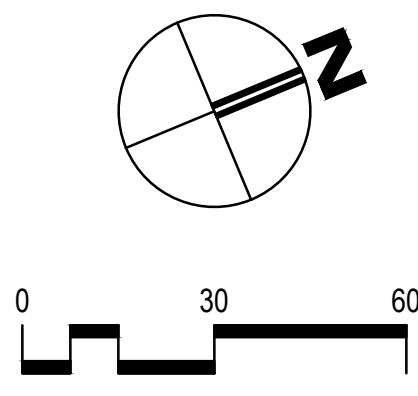
**EXISTING
CONDITIONS
PLAN**

2C-104
SHEET NUMBER

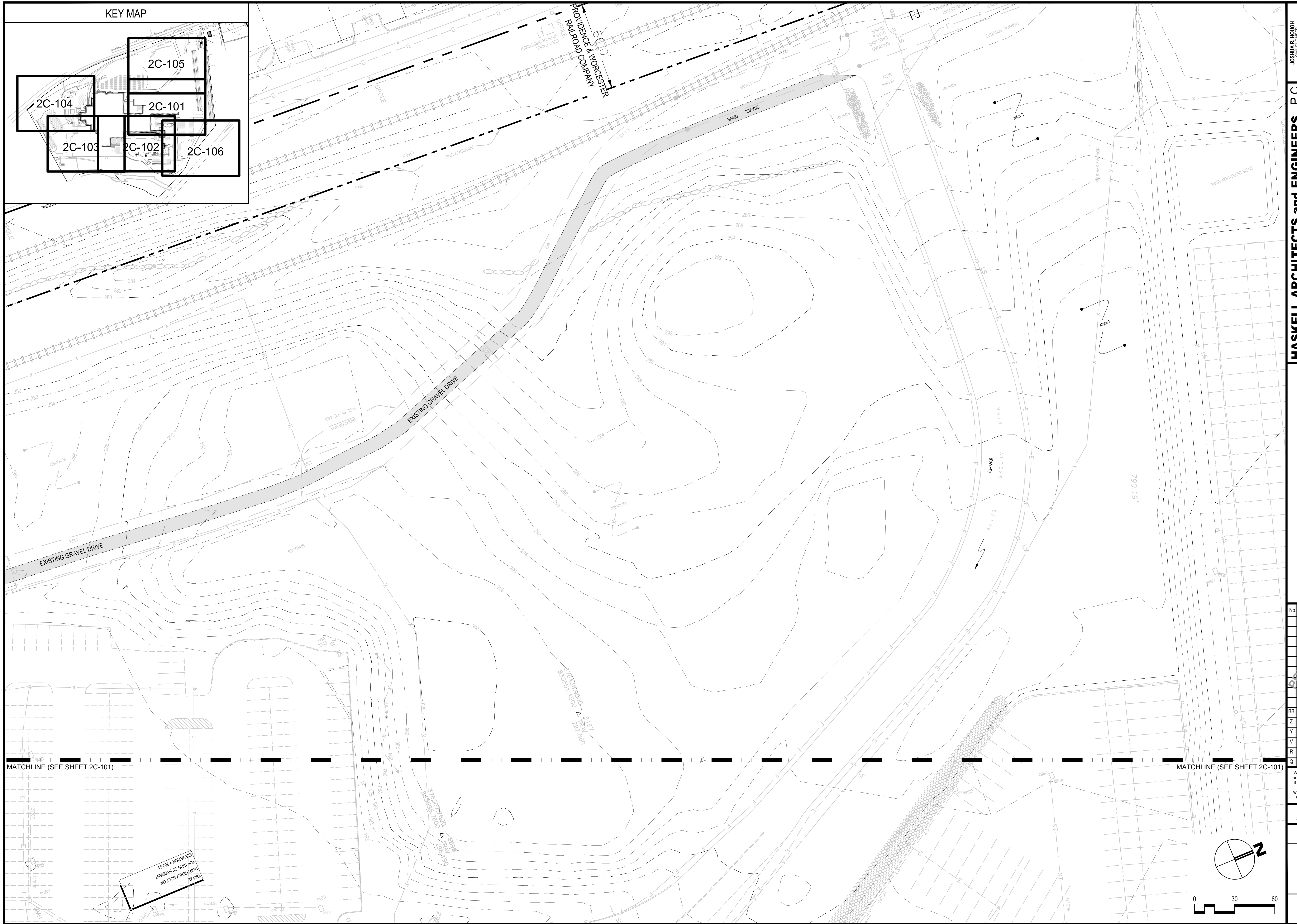
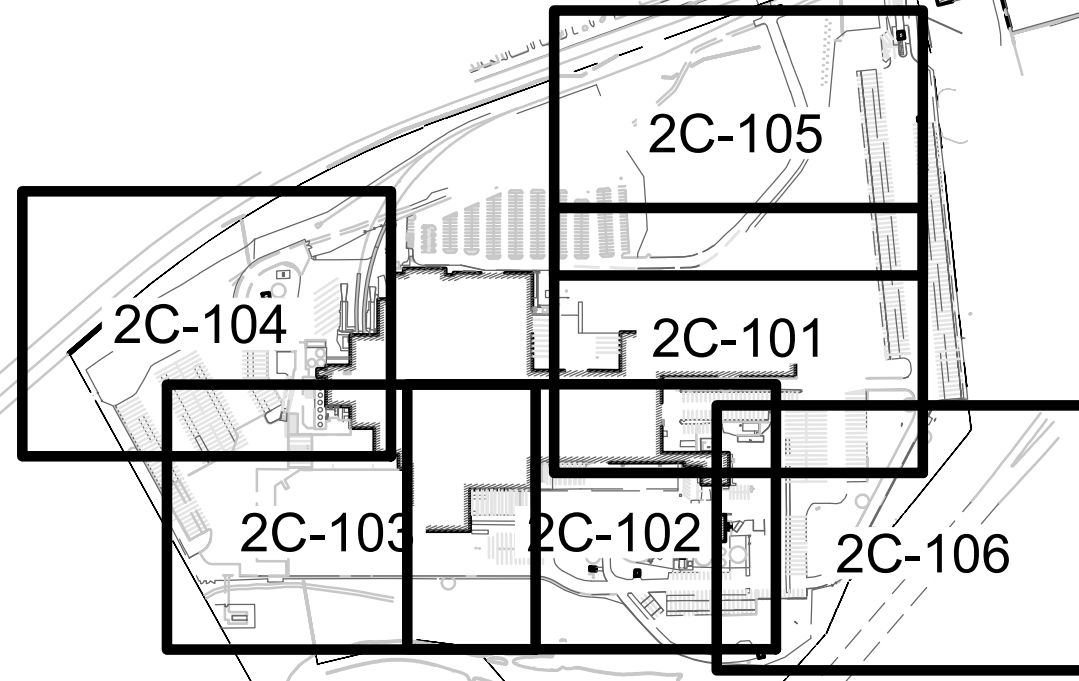
MATCHLINE (SEE SHEET 2C-103)

MATCHLINE (SEE SHEET 2C-103)

MATCHLINE (SEE SHEET 2C-103)



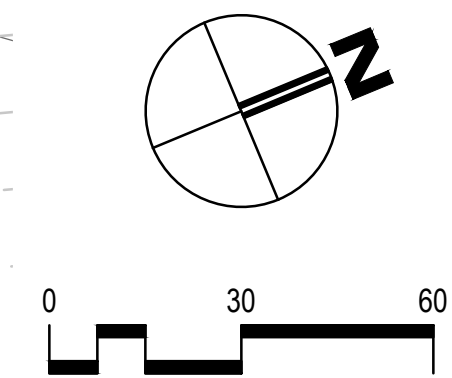
KEY MAP



MATCHLINE (SEE SHEET 2C-101)

MATCHLINE (SEE SHEET 2C-101)

104 #2
NORTH END BOLT ON
TOP MARK OF HYDRANT
ELEVATION = 283.64



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FRITO-LAY

KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

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AE JOB NUMBER
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EXISTING CONDITIONS PLAN

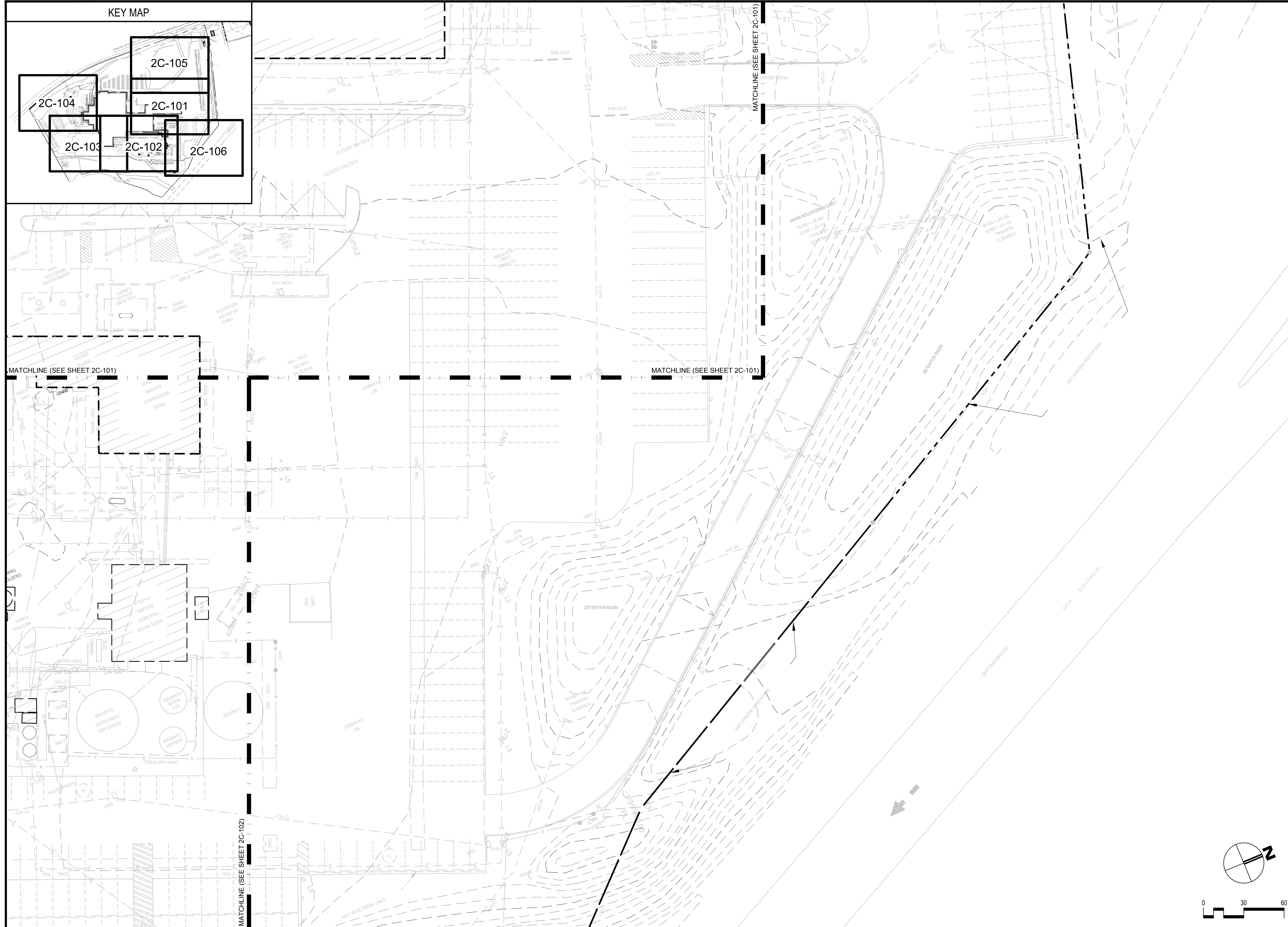
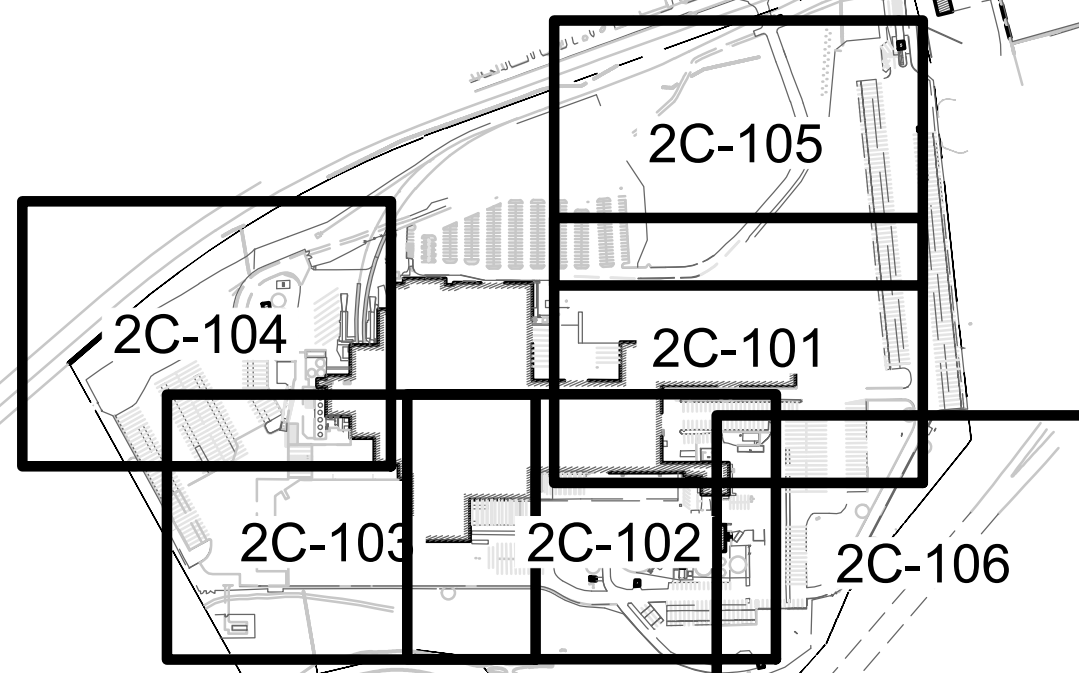
2C-105
SHEET NUMBER

JOSHUA R. HOUGH
CHALLENGER

REG. NO. 3834

PRELIMINARY
NOT FOR
CONSTRUCTION

KEY MAP



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 Jacksonville, Florida 32202
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FRITO-LAY
KILLINGLY TRANSFORMATION
 KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
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Q	P&Z CI	09/06/21

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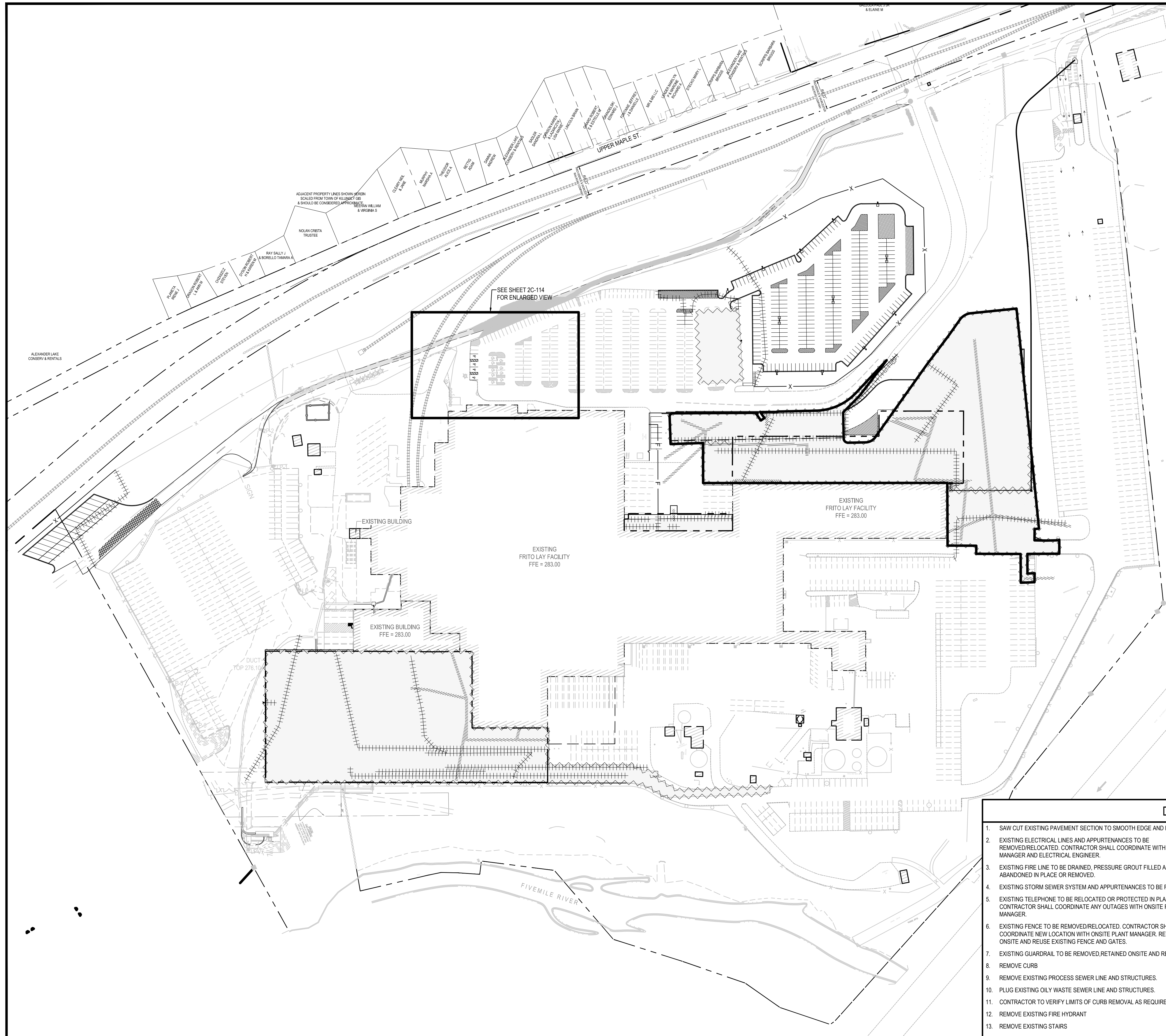
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AE JOB NUMBER
3401365

EXISTING CONDITIONS PLAN

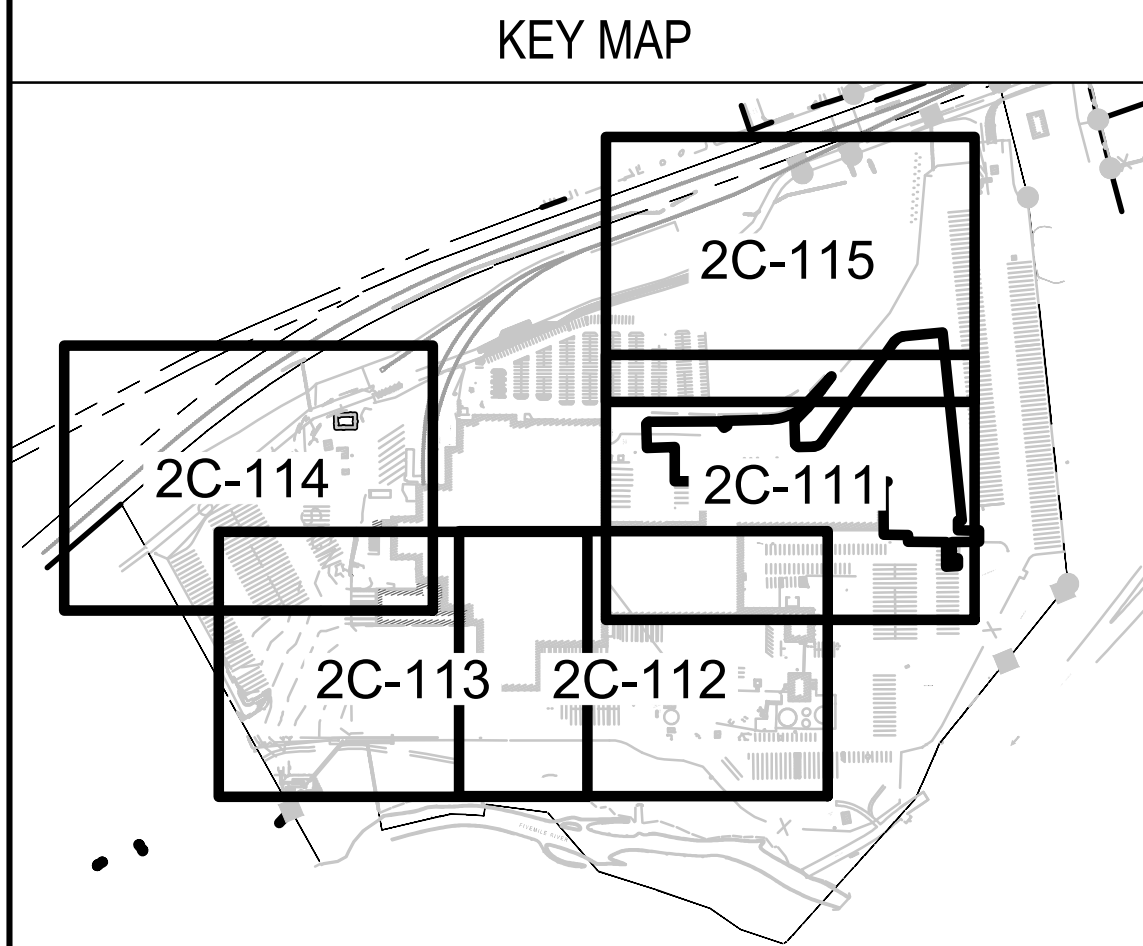
2C-106
 SHEET NUMBER

JOSHUA R. HOUGH
 CHIEF ENGINEER
 REG. NO. 31834



LEGEND

- DENOTES ITEM TO BE REMOVED
- DENOTES FULL DEPTH SAW CUT
- DENOTES STORM SEWER AND APPURTENANCES TO BE REMOVED. SEE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
- DENOTES DEMOLITION ITEM SEE DEMOLITION NOTES THIS SHEET
- ALL EXISTING IMPROVEMENTS WITHIN THIS AREA TO BE REMOVED. INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, GUTTERS AND DOWNSPOUTS, GUARD RAILS, STRIPING, BOLLARDS, STAIRS AND ALL RELATED APPURTENANCES. CONTRACTOR SHALL RE-ROUTE ALL UTILITIES OUTSIDE OF THE BUILDING.
- DENOTES GRAVEL DRIVEWAY TO BE REMOVED



DEMOLITION NOTES

1. SAW CUT EXISTING PAVEMENT SECTION TO SMOOTH EDGE AND REMOVE
2. EXISTING ELECTRICAL LINES AND APPURTENANCES TO BE REMOVED/RELOCATED. CONTRACTOR SHALL COORDINATE WITH PLANT MANAGER AND ELECTRICAL ENGINEER.
3. EXISTING FIRE LINE TO BE DRAINED, PRESSURE GROUT FILLED AND ABANDONED IN PLACE OR REMOVED.
4. EXISTING STORM SEWER SYSTEM AND APPURTENANCES TO BE REMOVED.
5. EXISTING TELEPHONE TO BE RELOCATED OR PROTECTED IN PLACE. CONTRACTOR SHALL COORDINATE ANY OUTAGES WITH ONSITE PLANT MANAGER.
6. EXISTING FENCE TO BE REMOVED/RELOCATED. CONTRACTOR SHALL COORDINATE NEW LOCATION WITH ONSITE PLANT MANAGER. RETAIN ONSITE AND REUSE EXISTING FENCE AND GATES.
7. EXISTING GUARDRAIL TO BE REMOVED, RETAINED ONSITE AND REUSED.
8. REMOVE CURB
9. REMOVE EXISTING PROCESS SEWER LINE AND STRUCTURES.
10. PLUG EXISTING OILY WASTE SEWER LINE AND STRUCTURES.
11. CONTRACTOR TO VERIFY LIMITS OF CURB REMOVAL AS REQUIRED
12. REMOVE EXISTING FIRE HYDRANT
13. REMOVE EXISTING STAIRS
14. REMOVE EXISTING CONCRETE RETAINING WALL
15. REMOVE EXISTING STRIPING
16. REMOVE EXISTING GRAVEL DRIVEWAY
17. REMOVE EXISTING BOLLARD(S)
18. NA
19. EXISTING SANITARY SEWER TO BE REMOVED OR DRAINED, PRESSURE GROUT FILLED AND ABANDONED IN PLACE.
20. NA
21. NA
22. RETAIN AND SALVAGE STONE EROSION PROTECTION FOR FUTURE USE IF FEASIBLE.
23. GENERAL NOTE: ANY CONCRETE JERSEY BARRIERS IMPACTED AS PART OF THIS PROJECT SHALL BE SAVED AND REUSED ONSITE. DO NOT DAMAGE.
24. REMOVE DOLLY PAD

JOSHUA R. HOUGH
CHALLENGER

REG. NO. 31834

HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

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111 Riverside Avenue
Jacksonville, Florida 32202
Phone # (904) 791-4500

FRITO-LAY
KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
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V	Progress Issue #2	09/20/21

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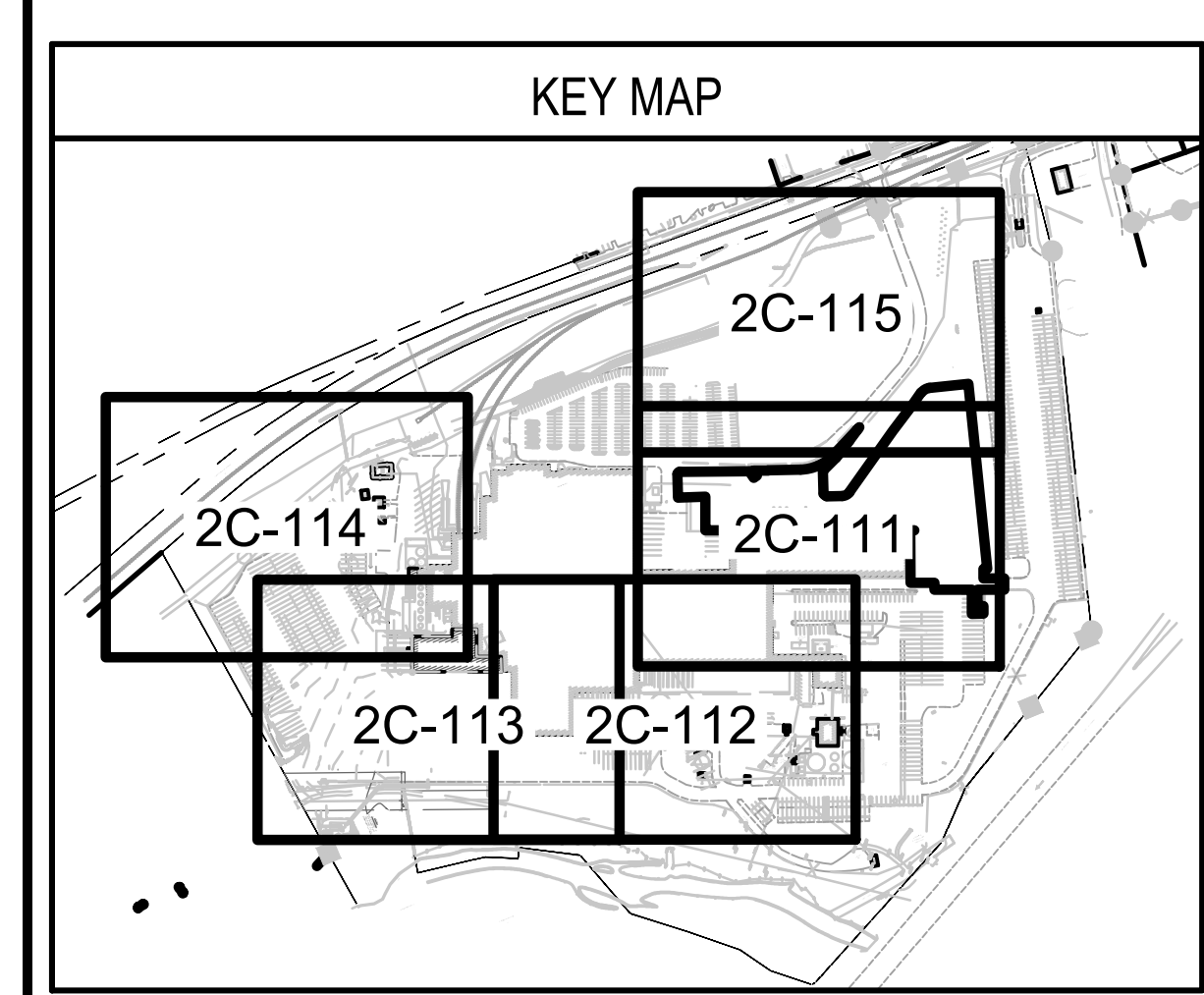
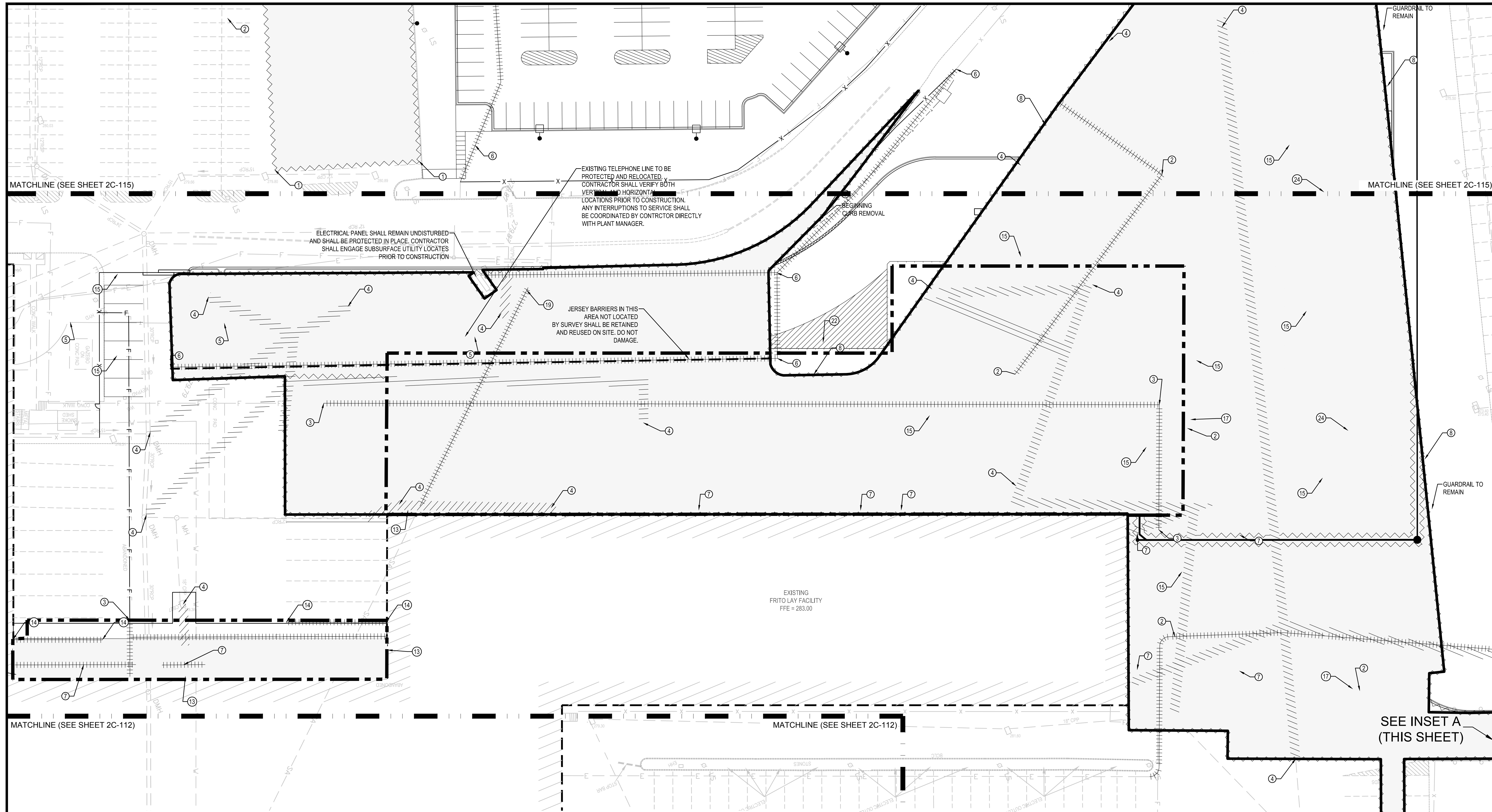
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AE JOB NUMBER
3401365

OVERALL DEMOLITION PLAN

2C-110
SHEET NUMBER

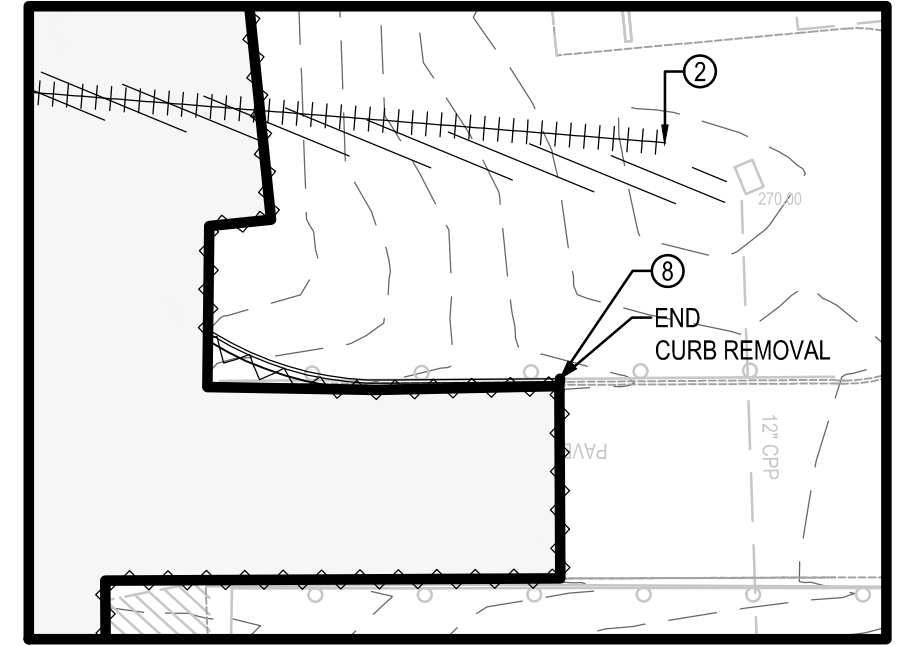


DEMOLITION NOTES

1. SAW CUT EXISTING PAVEMENT SECTION TO SMOOTH EDGE AND REMOVE	14. REMOVE EXISTING CONCRETE RETAINING WALL
2. EXISTING ELECTRICAL LINES AND APPURTENANCES TO BE REMOVED/RELOCATED. CONTRACTOR SHALL COORDINATE WITH PLANT MANAGER AND ELECTRICAL ENGINEER.	15. REMOVE EXISTING STRIPING
3. EXISTING FIRE LINE TO BE DRAINED, PRESSURE GROUT FILLED AND ABANDONED IN PLACE OR REMOVED.	16. REMOVE EXISTING GRAVEL DRIVEWAY
4. EXISTING STORM SEWER SYSTEM AND APPURTENANCES TO BE REMOVED.	17. REMOVE EXISTING BOLLARD(S)
5. EXISTING TELEPHONE TO BE RELOCATED OR PROTECTED IN PLACE. CONTRACTOR SHALL COORDINATE ANY OUTAGES WITH ONSITE PLANT MANAGER.	18. NA
6. EXISTING FENCE TO BE REMOVED/RELOCATED. CONTRACTOR SHALL COORDINATE NEW LOCATION WITH ONSITE PLANT MANAGER. RETAIN ONSITE AND REUSE EXISTING FENCE AND GATES.	19. EXISTING SANITARY SEWER TO BE REMOVED OR DRAINED, PRESSURE GROUT FILLED AND ABANDONED IN PLACE.
7. EXISTING GUARDRAIL TO BE REMOVED, RETAINED ONSITE AND REUSED.	20. NA
8. REMOVE CURB	21. NA
9. REMOVE EXISTING PROCESS SEWER LINE AND STRUCTURES.	22. RETAIN AND SALVAGE STONE EROSION PROTECTION FOR FUTURE USE IF FEASIBLE.
10. PLUG EXISTING OILY WASTE SEWER LINE AND STRUCTURES.	23. GENERAL NOTE: ANY CONCRETE JERSEY BARRIERS IMPACTED AS PART OF THIS PROJECT SHALL BE SAVED AND REUSED ONSITE. DO NOT DAMAGE.
11. CONTRACTOR TO VERIFY LIMITS OF CURB REMOVAL AS REQUIRED	24. REMOVE DOLLY PAD
12. REMOVE EXISTING FIRE HYDRANT	
13. REMOVE EXISTING STAIRS	

LEGEND

	DENOTES ITEM TO BE REMOVED
	DENOTES FULL DEPTH SAW CUT
	DENOTES STORM SEWER AND APPURTENANCES TO BE REMOVED. SEE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
	DENOTES DEMOLITION ITEM SEE DEMOLITION NOTES THIS SHEET
	ALL EXISTING IMPROVEMENTS WITHIN THIS AREA TO BE REMOVED, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, GUTTERS AND DOWNSPOUTS, GUARD RAILS, STRIPING, BOLLARDS, STAIRS AND ALL RELATED APPURTENANCES. CONTRACTOR SHALL RE-ROUTE ALL UTILITIES OUTSIDE OF THE BUILDING.
	DENOTES GRAVEL DRIVEWAY TO BE REMOVED



INSET A
1" = 30'

JOSHUA R. HOUGH
ENGINEER

HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

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111 Riverside Avenue
Jacksonville, Florida 32202
Phone # (904) 791-4500

HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
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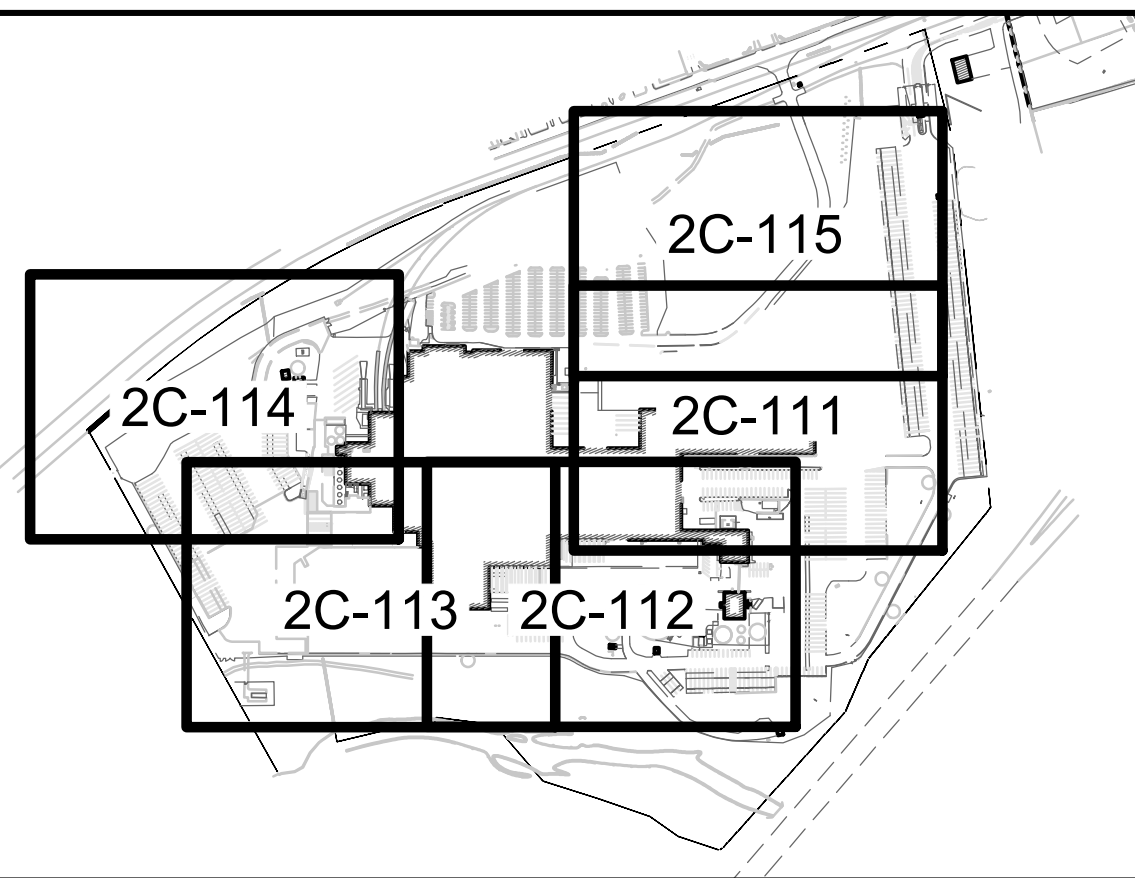
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DEMOLITION PLAN

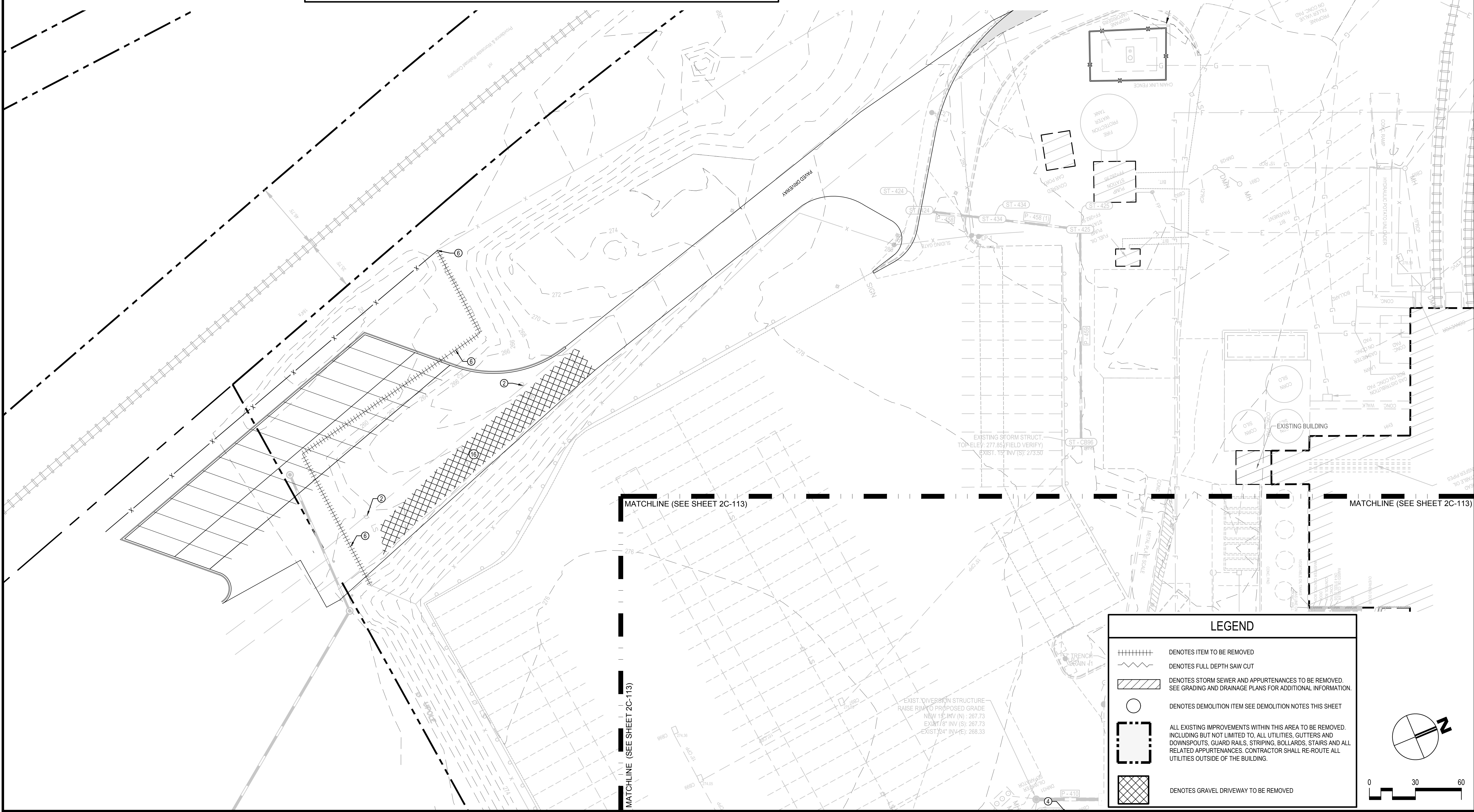
2C-111
SHEET NUMBER

KEY MAP



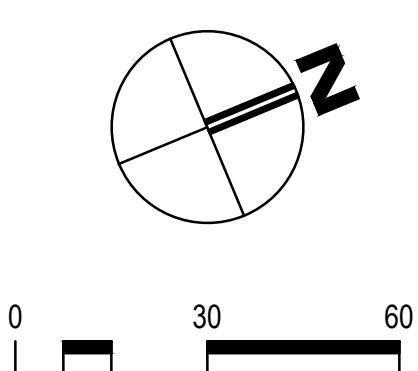
DEMOLITION NOTES

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14. REMOVE EXISTING CONCRETE RETAINING WALL
15. REMOVE EXISTING STRIPING
16. REMOVE EXISTING GRAVEL DRIVEWAY
17. REMOVE EXISTING BOLLARD(S)
18. NA
19. EXISTING SANITARY SEWER TO BE REMOVED OR DRAINED, PRESSURE GROUT FILLED AND ABANDONED IN PLACE.
20. NA
21. NA
22. RETAIN AND SALVAGE STONE EROSION PROTECTION FOR FUTURE USE IF FEASIBLE.
23. GENERAL NOTE: ANY CONCRETE JERSEY BARRIERS IMPACTED AS PART OF THIS PROJECT SHALL BE SAVED AND REUSED ONSITE. DO NOT DAMAGE.
24. REMOVE DOLLY PAD



LEGEND

	DENOTES ITEM TO BE REMOVED
	DENOTES FULL DEPTH SAW CUT
	DENOTES STORM SEWER AND APPURTENANCES TO BE REMOVED. SEE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
	DENOTES DEMOLITION ITEM SEE DEMOLITION NOTES THIS SHEET
	ALL EXISTING IMPROVEMENTS WITHIN THIS AREA TO BE REMOVED. INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, GUTTERS AND DOWNSPOUTS, GUARD RAILS, STRIPING, BOLLARDS, STAIRS AND ALL RELATED APPURTENANCES. CONTRACTOR SHALL RE-ROUTE ALL UTILITIES OUTSIDE OF THE BUILDING.
	DENOTES GRAVEL DRIVEWAY TO BE REMOVED



JOSHUA R. HOUGH
CHIEF ENGINEER
REG. NO. 33834

HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
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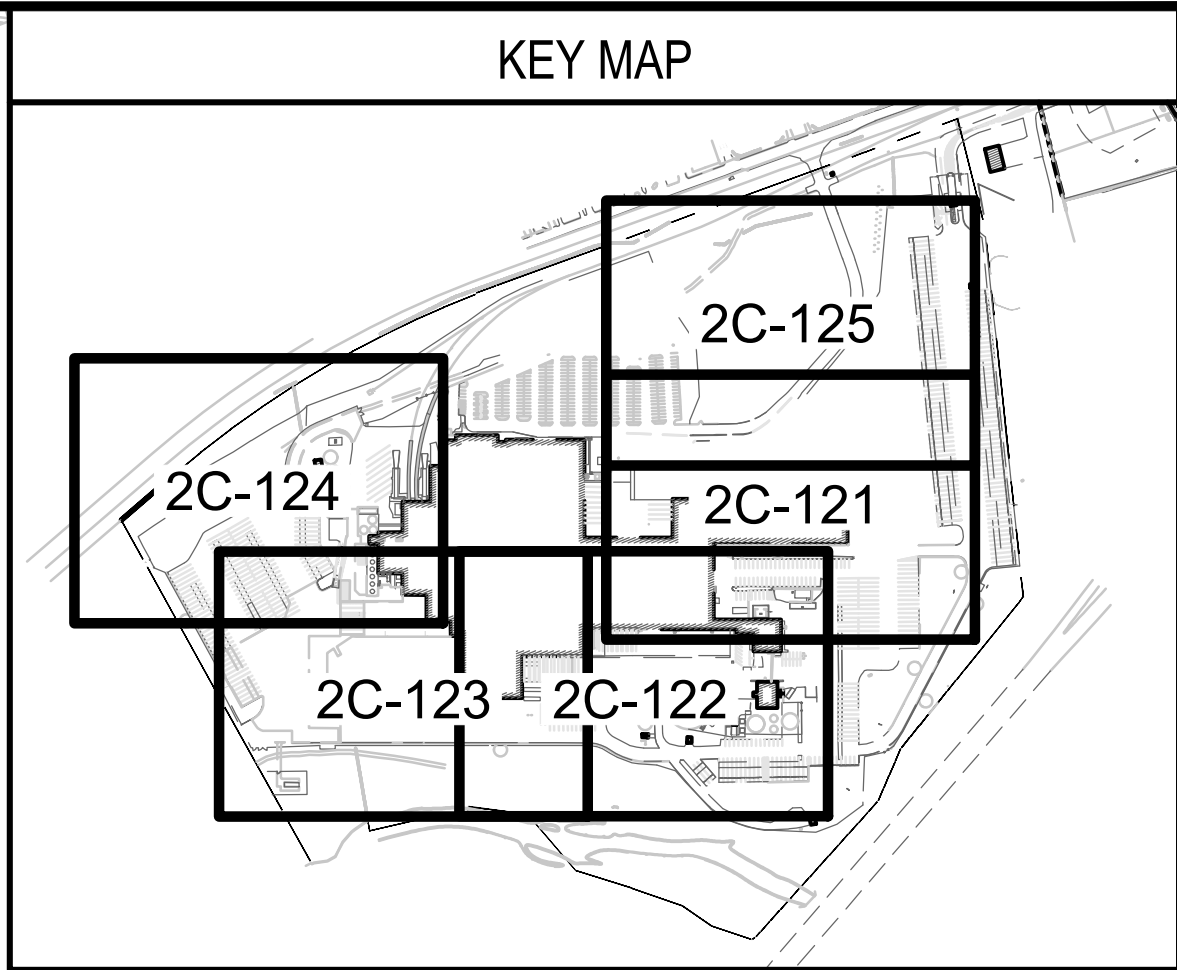
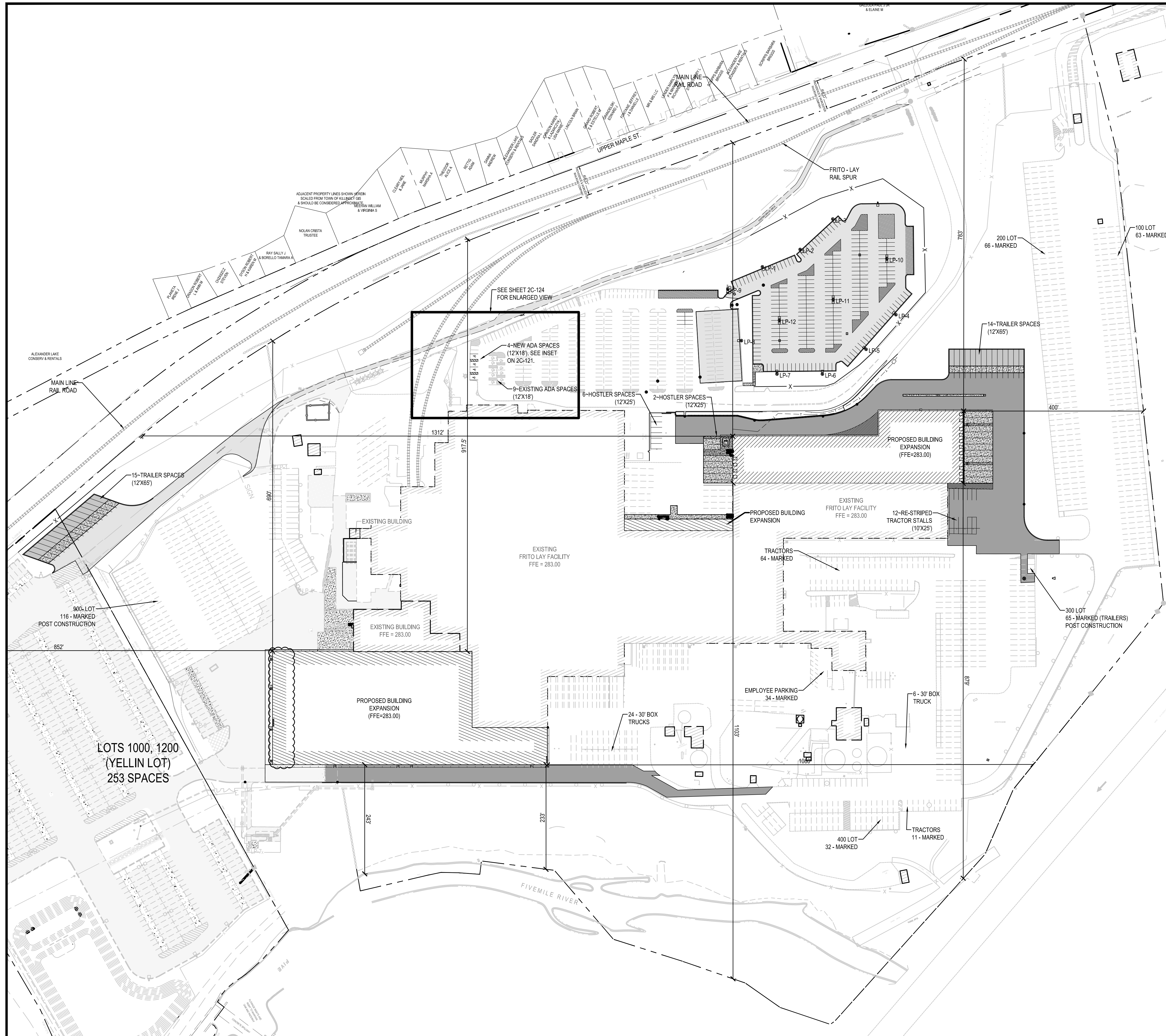
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AE JOB NUMBER
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DEMOLITION PLAN

2C-114
SHEET NUMBER



SITE LEGEND

	LIGHT-DUTY ASPHALT PAVEMENT	
	HEAVY-DUTY ASPHALT PAVEMENT	
	8" HEAVY-DUTY CONCRETE PAVEMENT	
	4" CONCRETE PAVEMENT	

SITE DATA TABLE

DIMENSIONAL REQUIREMENTS TAKEN FROM TOWN OF KILLINGLY REQUIREMENTS TABLE "A"

SETBACKS (ASRS)	REQUIRED	PROVIDED
LOT FRONTAGE	150'	2,557.00'
FRONT YARD SETBACK (WEST)	50'	653.00'
SIDE YARD SETBACK (NORTH)	25'	400.00'
REAR YARD SETBACK (EAST)	30'	879.00'
SIDE YARD SETBACK (SOUTH)	30'	1,312.00'

SETBACKS (MANUFACTURING)	REQUIRED	PROVIDED
LOT FRONTAGE	150'	2,557.00'
FRONT YARD SETBACK (WEST)	50'	690.00'
SIDE YARD SETBACK (NORTH)	25'	1080.00'
REAR YARD SETBACK (EAST)	30'	233.00'
SIDE YARD SETBACK (SOUTH)	30'	852.00'

% LOT COVERAGE	REQUIRED	PROVIDED
% LOT COVERAGE	70%	64.5% IMPERVIOUS

BUILDING HEIGHT	REQUIRED	PROVIDED
BUILDING HEIGHT	50'	86' 8-1/2" (ASRS) 40'-5" (MANUFACTURING)

LOT AREA	REQUIRED	PROVIDED
LOT AREA	50,000 S.F.	4,102,884 S.F. ±

PARKING CALCULATIONS

PARKING REQUIREMENTS TAKEN FROM SECTION 530.2 OFF STREET PARKING, LOADING, AND ADA STANDARDS FOR ACCESSIBLE DESIGN 2010 STANDARDS.

EMPLOYEE PARKING	REQUIRED	PROVIDED
INDUSTRIAL USE: 1 SPACE PER 2,000 S.F. 803,333 S.F. (TOTAL GROSS FLOOR AREA) / 2,000 S.F.	402	633
ADA SPACES: TOTAL NUMBER OF SPACES: 500 - 1000 PROVIDED AT 2%	13	13
EXISTING TRAILER SPACES:	597	
POST CONSTRUCTION TRAILER SPACES:	716	

JOSHUA R. HOUGH
CIVIL ENGINEER
REG. NO. 31834

HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

HASKELL

**FRITO-LAY
KILLINGLY TRANSFORMATION**
KILLINGLY, CONNECTICUT

The Haskell Company
111 Riverside Avenue
Jacksonville, Florida 32202
Phone # (904) 791-4500

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
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V	Progress Issue #2	09/20/21
R	Progress Issue #1	08/13/21
Q	P&Z CI	09/05/21

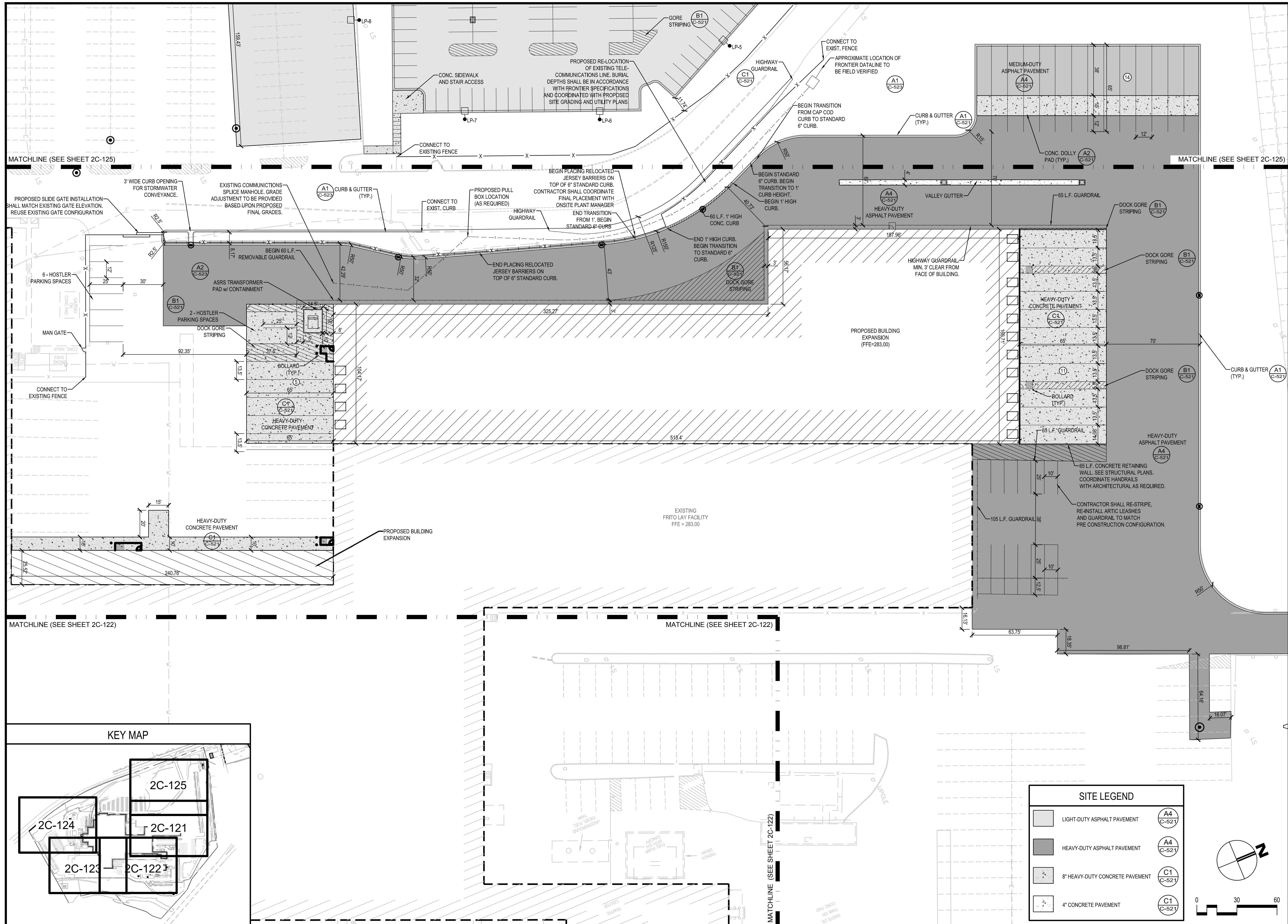
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OVERALL GEOMETRY PLAN

2C-120
SHEET NUMBER



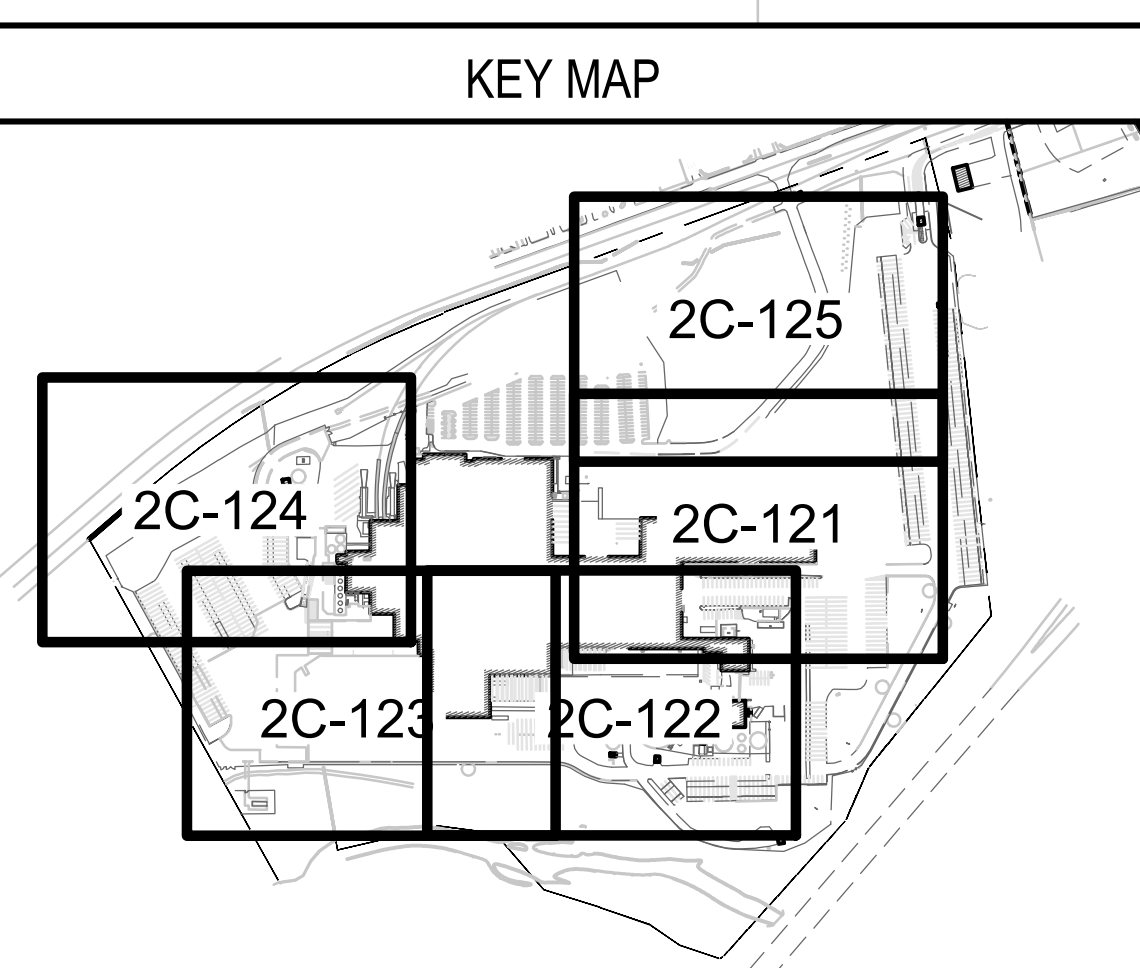
MATCHLINE (SEE SHEET 2C-125)

MATCHLINE (SEE SHEET 2C-125)

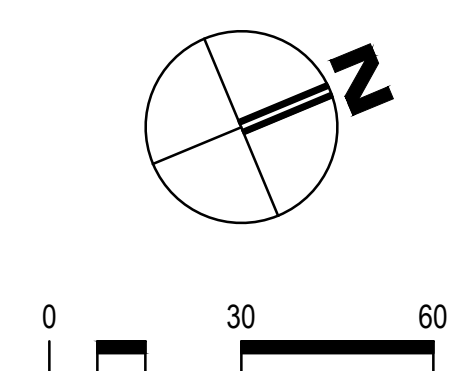
MATCHLINE (SEE SHEET 2C-122)

MATCHLINE (SEE SHEET 2C-122)

MATCHLINE (SEE SHEET 2C-122)



SITE LEGEND	
	LIGHT-DUTY ASPHALT PAVEMENT (A4 C-521)
	HEAVY-DUTY ASPHALT PAVEMENT (A4 C-521)
	8" HEAVY-DUTY CONCRETE PAVEMENT (C1 C-521)
	4" CONCRETE PAVEMENT (C1 C-521)



JOSHUA R. HOUGH
ENGINEER

REG. NO. 31834

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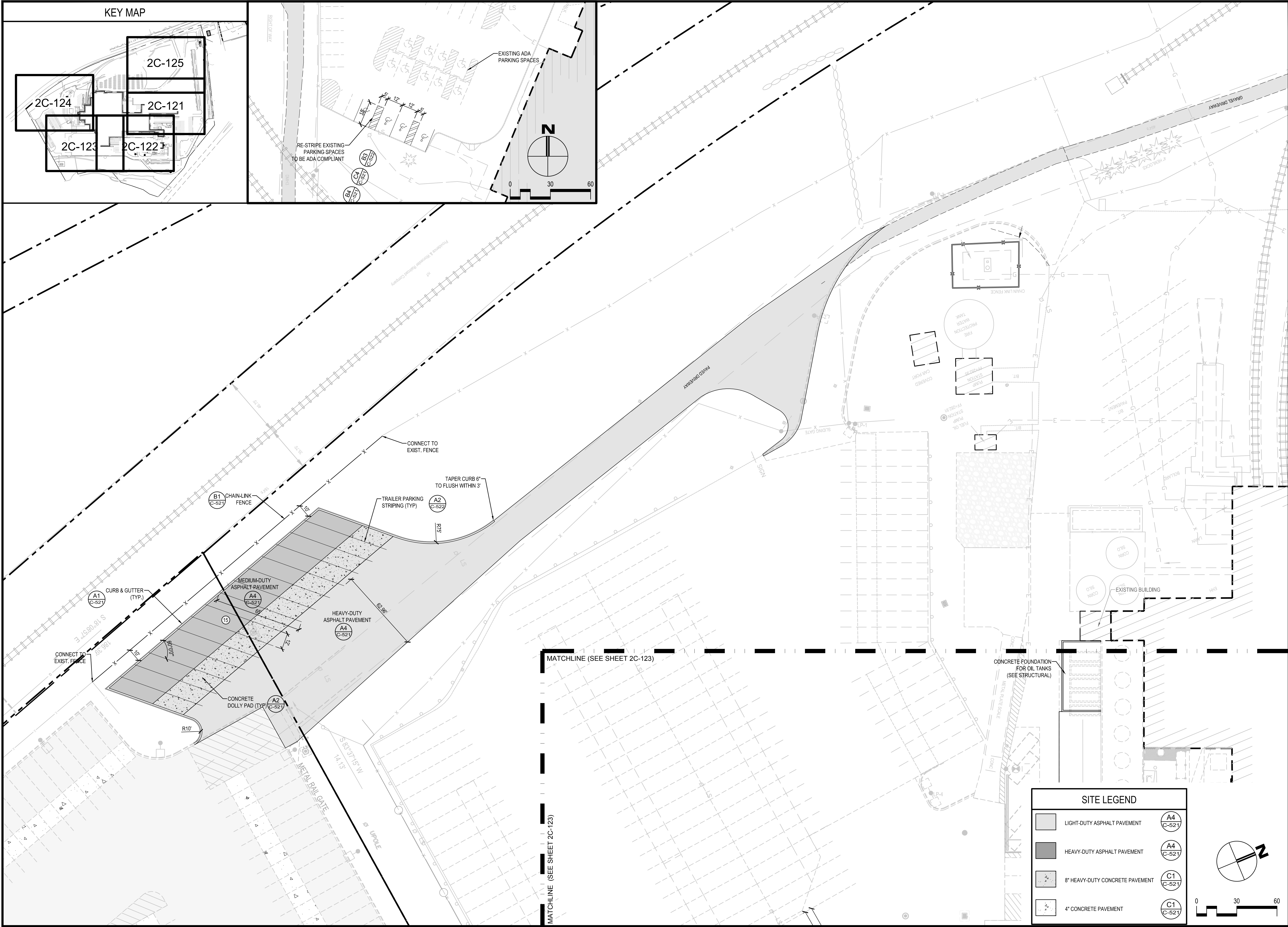
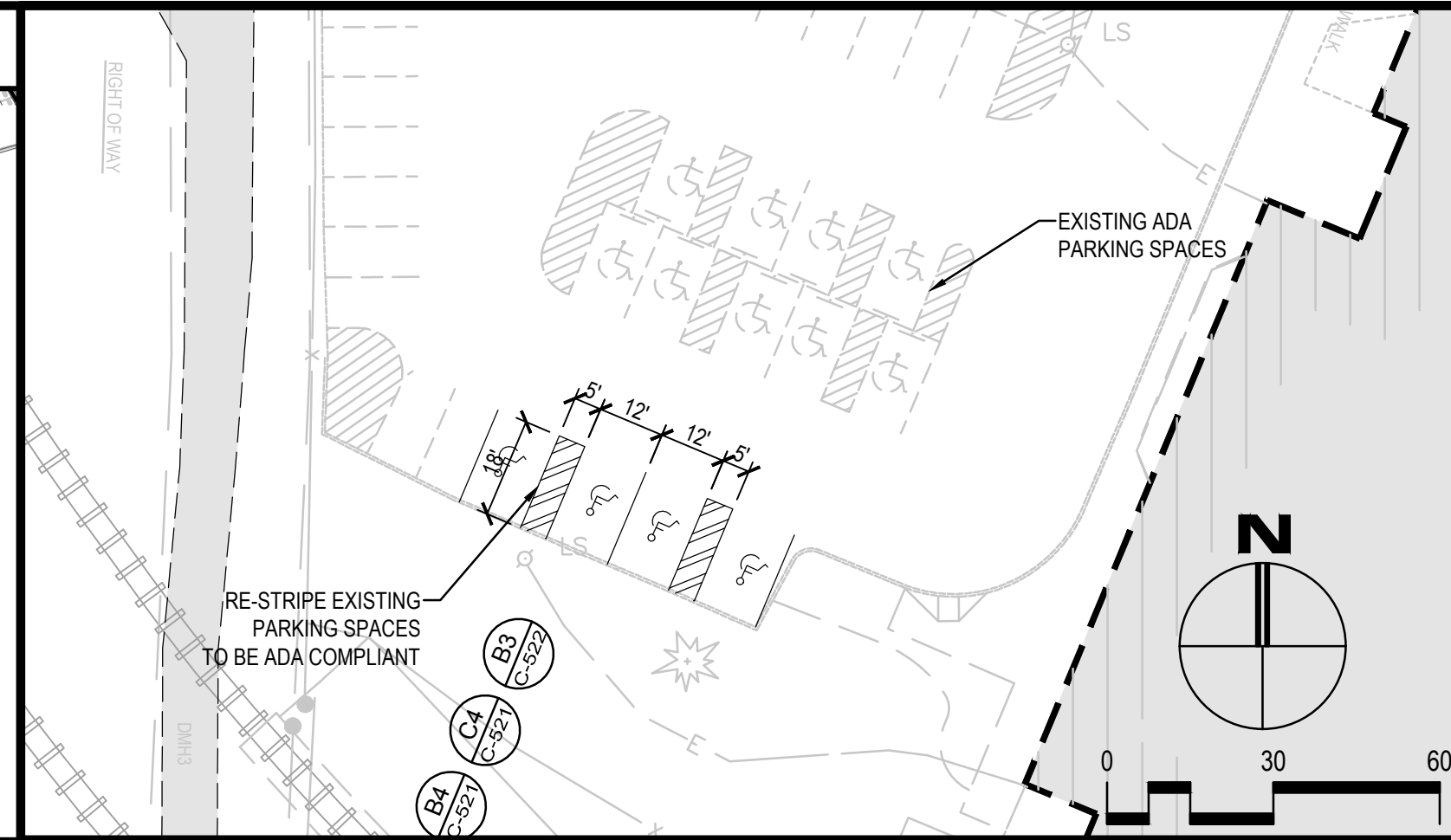
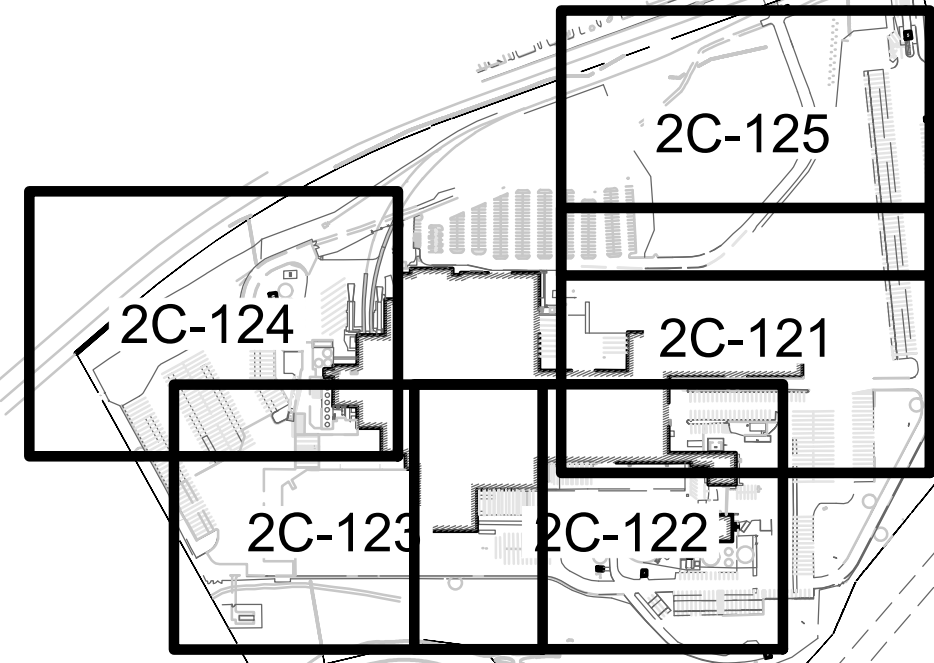
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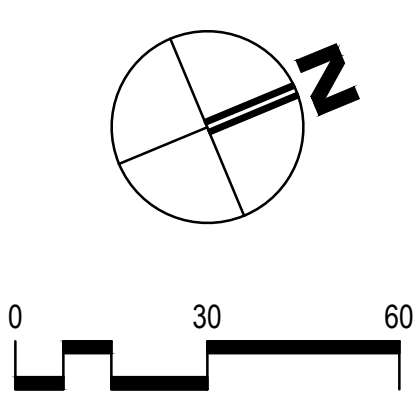
GEOMETRY PLAN

2C-121
SHEET NUMBER

KEY MAP



SITE LEGEND	
[Light Gray Box]	LIGHT-DUTY ASPHALT PAVEMENT (A4 C-521)
[Dark Gray Box]	HEAVY-DUTY ASPHALT PAVEMENT (A4 C-521)
[Stippled Box]	8" HEAVY-DUTY CONCRETE PAVEMENT (C1 C-521)
[Dotted Box]	4" CONCRETE PAVEMENT (C1 C-521)



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KILLINGLY, CONNECTICUT

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R	Progress Issue #1	08/13/21
Q	P&Z CI	09/05/21

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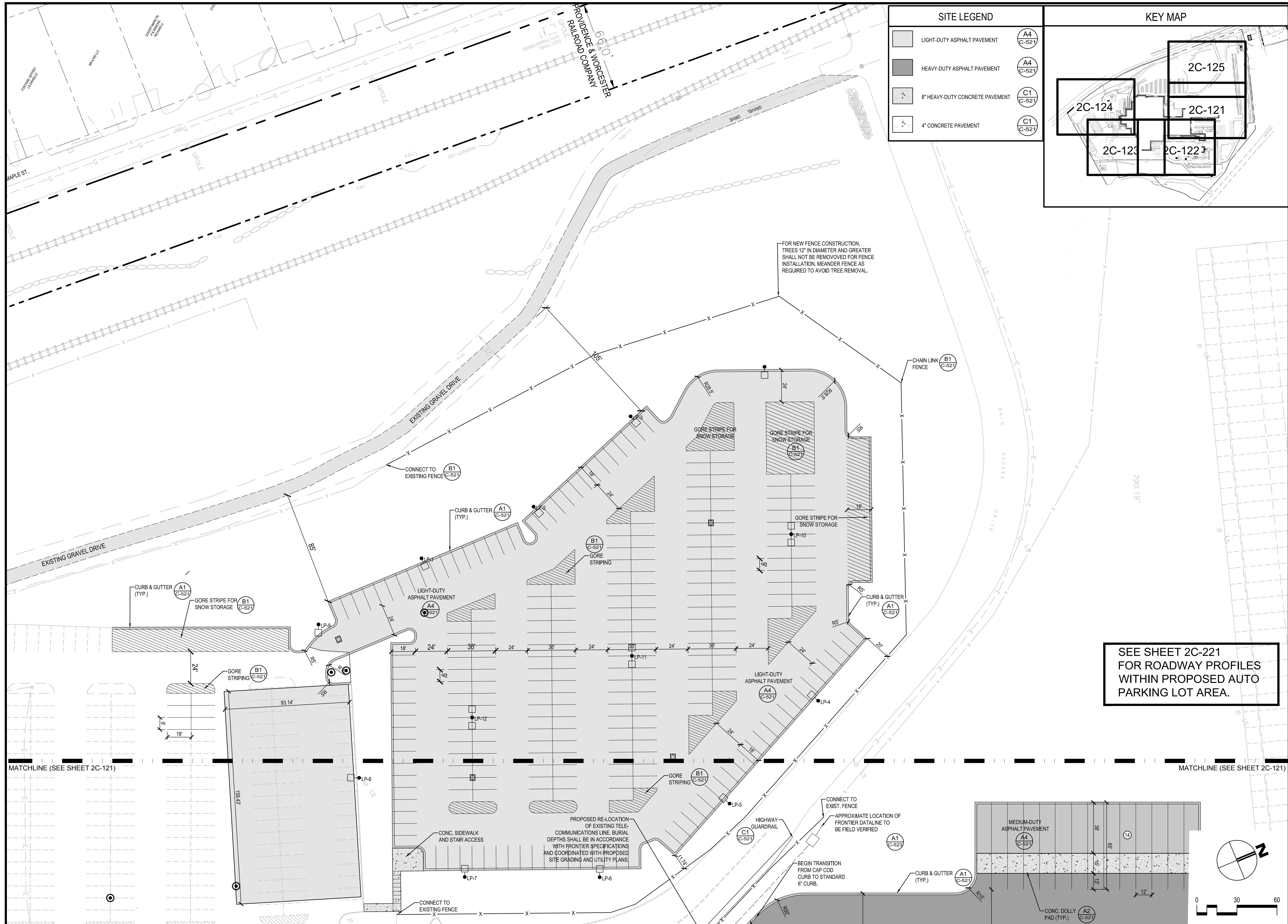
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GEOMETRY PLAN

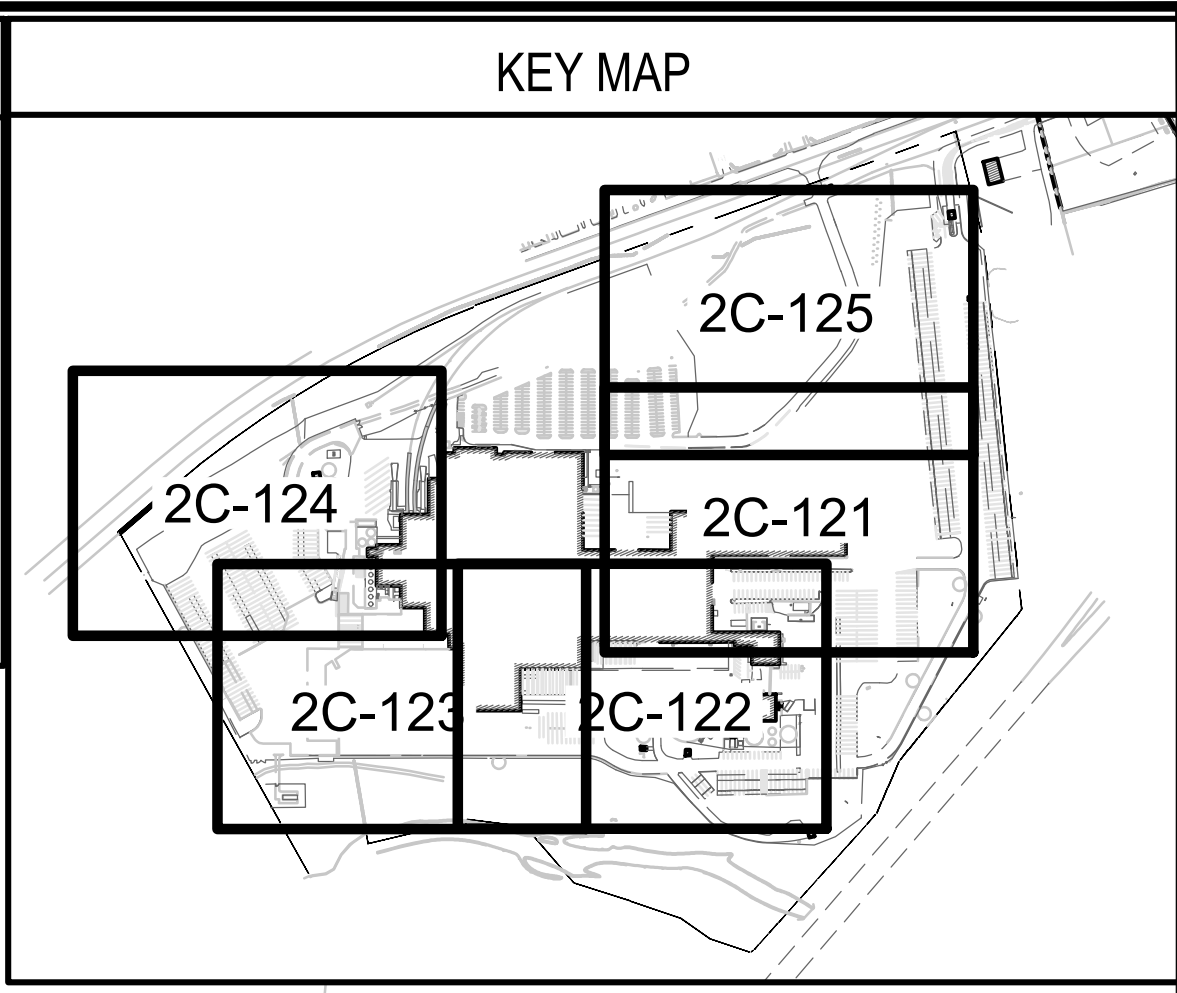
2C-124
SHEET NUMBER

PRELIMINARY
NOT FOR
CONSTRUCTION



SITE LEGEND

[Pattern]	LIGHT-DUTY ASPHALT PAVEMENT	(A4 C-521)
[Pattern]	HEAVY-DUTY ASPHALT PAVEMENT	(A4 C-521)
[Pattern]	8" HEAVY-DUTY CONCRETE PAVEMENT	(C1 C-521)
[Pattern]	4" CONCRETE PAVEMENT	(C1 C-521)



SEE SHEET 2C-221 FOR ROADWAY PROFILES WITHIN PROPOSED AUTO PARKING LOT AREA.

HASKELL ARCHITECTS and ENGINEERS, P.C.
 CONNECTICUT - Architecture and Engineering # 0000056

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R	Progress Issue #1	02/13/21
Q	P&Z CI	09/05/21

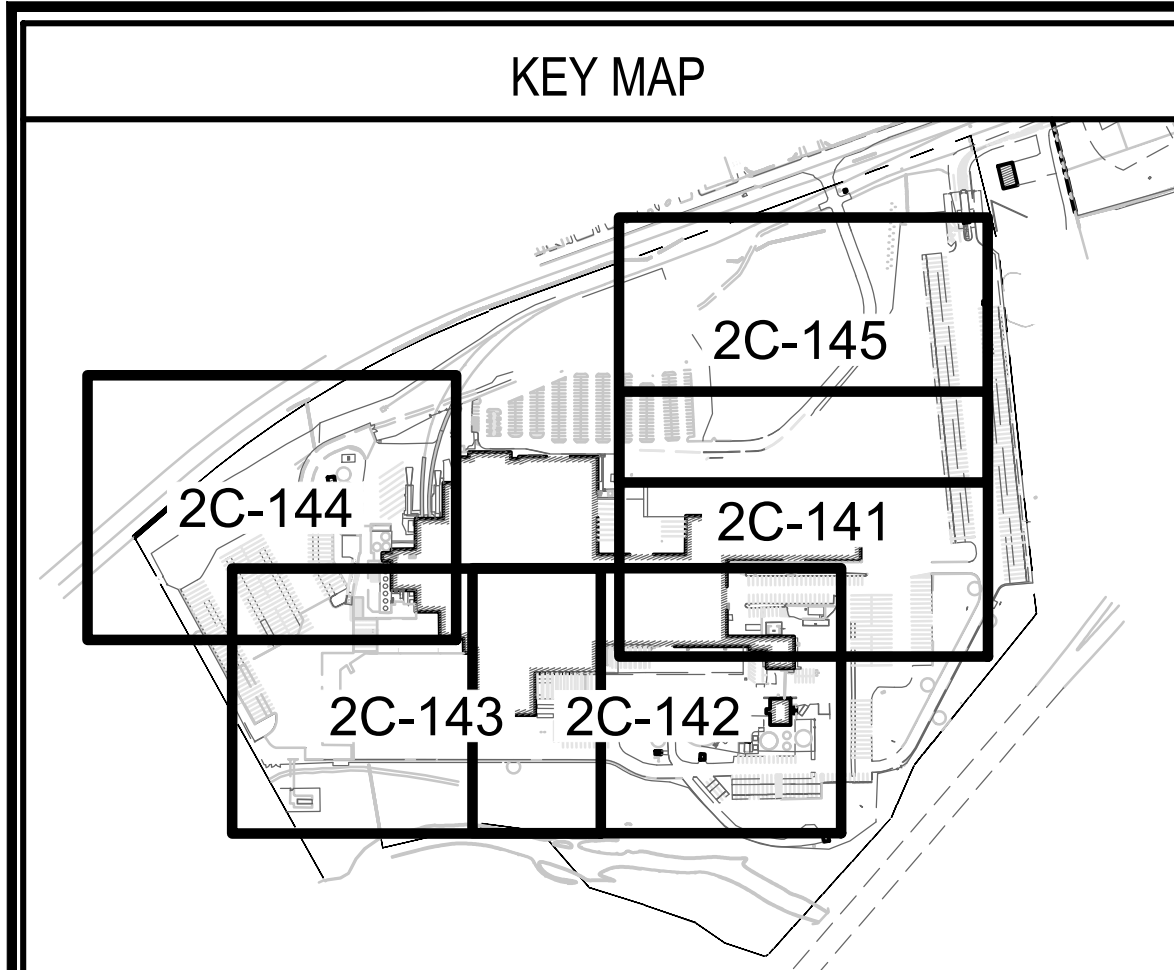
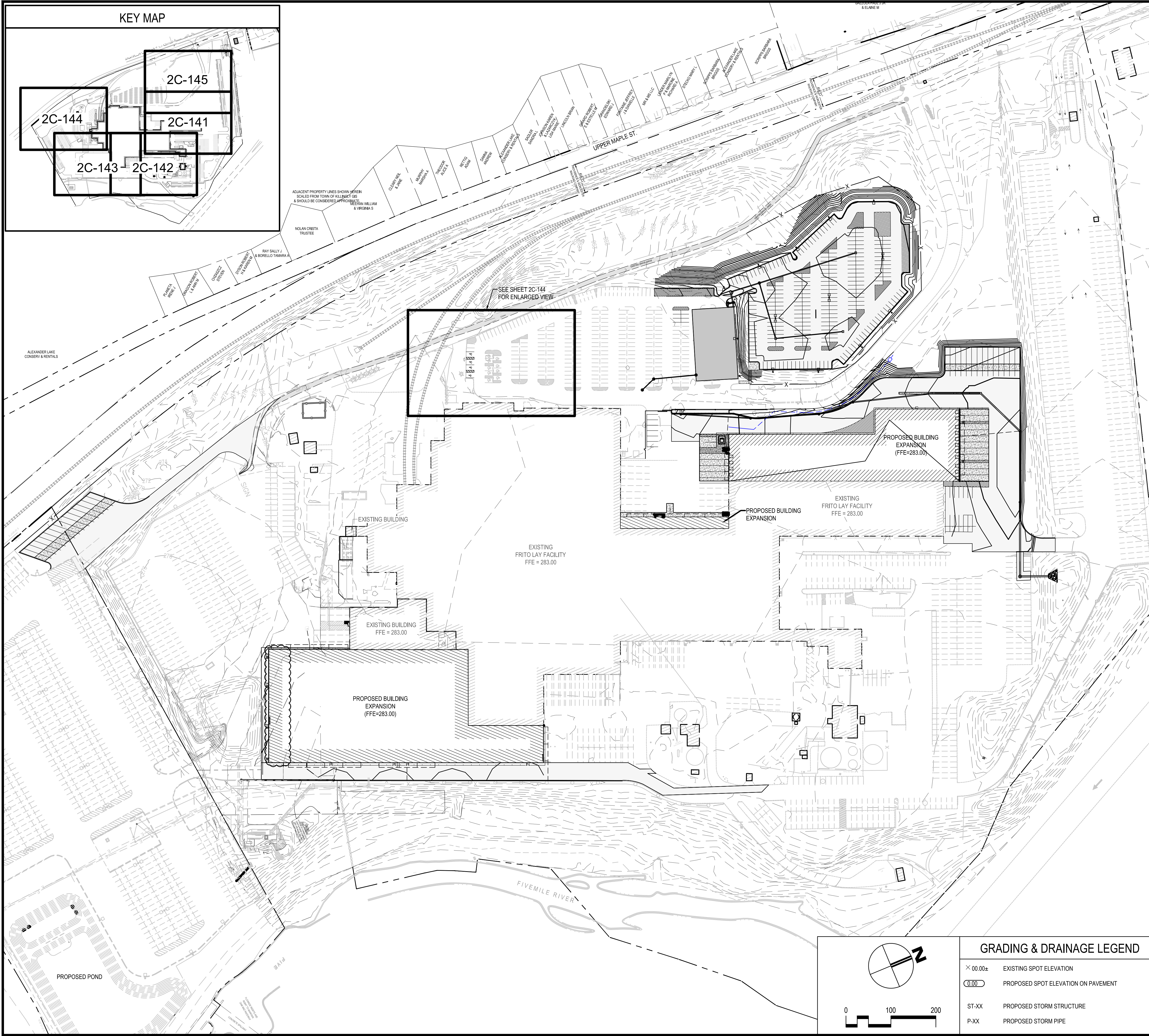
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GEOMETRY PLAN

2C-125
 SHEET NUMBER



PIPE TABLE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	US INV	D/S INV	LENGTH (FT)	PIPE SIZE (IN)	PIPE MATERIAL
P-100	100	101	281.20	280.00	225	18"	HP STORM PP
P-101	101	102	279.90	279.55	67	18"	HP STORM PP
P-102	102	103	279.45	279.30	24	24"	HP STORM PP
P-103	103	104	279.35	279.25	11	12"	HP STORM PP
P-104	104		279.15	279.00	10	12"	HP STORM PP
P-105	105	106	284.25	283.40	151	12"	HP STORM PP
P-106	106	101	283.30	282.60	129	15"	HP STORM PP
P-107	108	107	274.25	268.72	95	12"	HP STORM PP
P-108	109	108	268.62	268.40	35	12"	HP STORM PP
P-109	103		279.35	279.25	10	24"	HP STORM PP

PIPE TABLE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	US INV	D/S INV	LENGTH (FT)	PIPE SIZE (IN)	PIPE MATERIAL
P-200	201	421	273.26	272.65	152	18"	HP STORM PP
P-201	202	201	273.98	273.36	155	18"	HP STORM PP
P-202	200	210	272.13	271.41	182	24"	HP STORM PP
P-211	210	211	271.31	270.90	103	24"	HP STORM PP
P-212	211	213	270.80	270.30	122	30"	HP STORM PP
P-213	213	214	270.20	269.57	158	30"	HP STORM PP
P-214	214	215	269.47	268.81	165	36"	HP STORM PP
P-215	215	434	268.81	268.55	63	36"	HP STORM PP
P-458	421	200	272.55	272.23	80	24"	HP STORM PP

PIPE TABLE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	US INV	D/S INV	LENGTH (FT)	PIPE SIZE (IN)	PIPE MATERIAL
P-403	403	404	272.72	271.50	205	24"	HP STORM PP

STRUCTURE TABLE

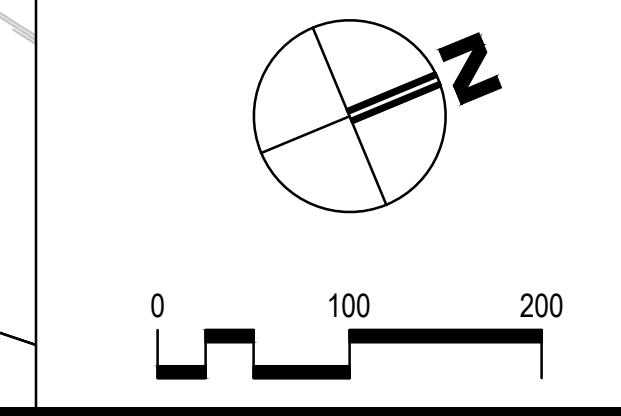
STRUCTURE NAME	TOP ELEV.	PIPES IN	PIPES OUT	DESCRIPTION
100	288.00		281.20 (S)	DITCH BOTTOM INLET - TYPE C
101	287.44	280.00 (N) 282.60 (E)	279.90 (S)	DITCH BOTTOM INLET - TYPE C
102	284.75	279.55 (N)	279.45 (E)	DITCH BOTTOM INLET - TYPE C
103	285.17	279.30 (W)	279.35 (E) 279.35 (S)	DITCH BOTTOM INLET - TYPE C
104	285.95	279.25 (N)	279.15 (E)	HYDRO INTERNATIONAL DOWN STREAM DEFENDER
105	288.50		284.25 (S)	DITCH BOTTOM INLET - TYPE C
106	288.00	283.40 (N)	283.30 (W)	DITCH BOTTOM INLET - TYPE C
107	0.66	268.72 (S)		NULL STRUCTURE
108	280.00	268.40 (S)	274.25 (N)	DITCH BOTTOM INLET - TYPE C
109	280.46		268.62 (N)	DITCH BOTTOM INLET - TYPE C

STRUCTURE TABLE

STRUCTURE NAME	TOP ELEV.	PIPES IN	PIPES OUT	DESCRIPTION
200	281.50	272.23 (S)	272.13 (N)	CATCH BASIN
201	280.70	273.36 (SW)	273.26 (N)	CATCH BASIN
202	278.59		273.98 (NE)	CATCH BASIN
210	280.75	271.41 (S)	271.31 (NE)	CATCH BASIN
211	279.50	270.90 (SW)	270.80 (NE)	CATCH BASIN
213	278.31	270.30 (SW)	270.20 (SE)	CURB INLET
214	278.31	269.57 (NW)	269.47 (SE)	CURB INLET
215	280.05	268.81 (NW)	268.81 (N)	72" STORM MANHOLE
421	282.02	272.65 (S)	272.55 (N)	48" CONCRETE MH
424	270.00			OUTFALL CONTROL STRUCTURE
434	270.80	268.55 (S)		CONCRETE FLARED END SECTION

STRUCTURE TABLE

STRUCTURE NAME	TOP ELEV.	PIPES IN	PIPES OUT	DESCRIPTION
403	281.60		272.72 (SW)	EXIST. CURB INLET PROVIDE GRADE ADJ. AS REQUIRED
404	273.66	271.50 (NE)		CURB INLET



GRADING & DRAINAGE LEGEND

× 00.00±	EXISTING SPOT ELEVATION
○ 0.00	PROPOSED SPOT ELEVATION ON PAVEMENT
ST-XX	PROPOSED STORM STRUCTURE
P-XX	PROPOSED STORM PIPE

JOSHUA R. HOUGH
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HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

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Jacksonville, Florida 32202
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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
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Q	P&Z CI	09/05/21

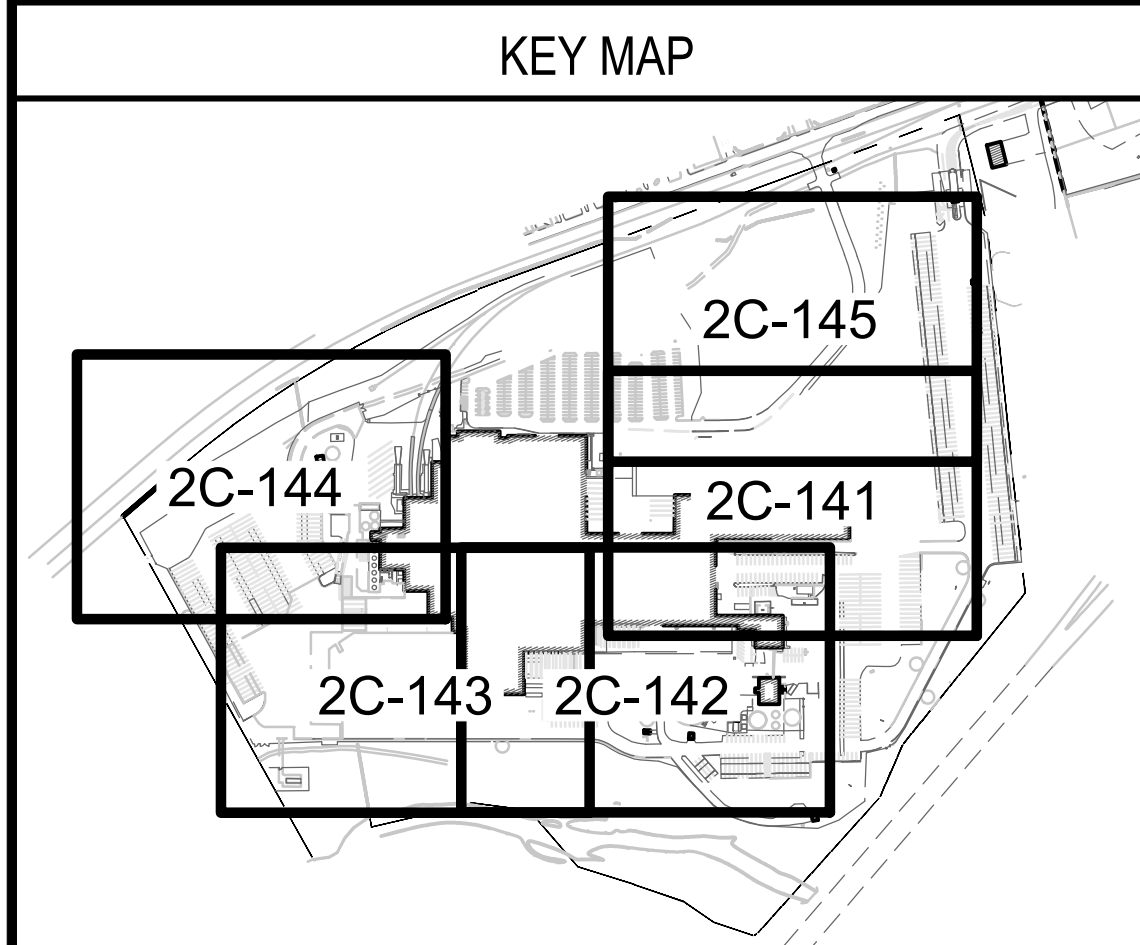
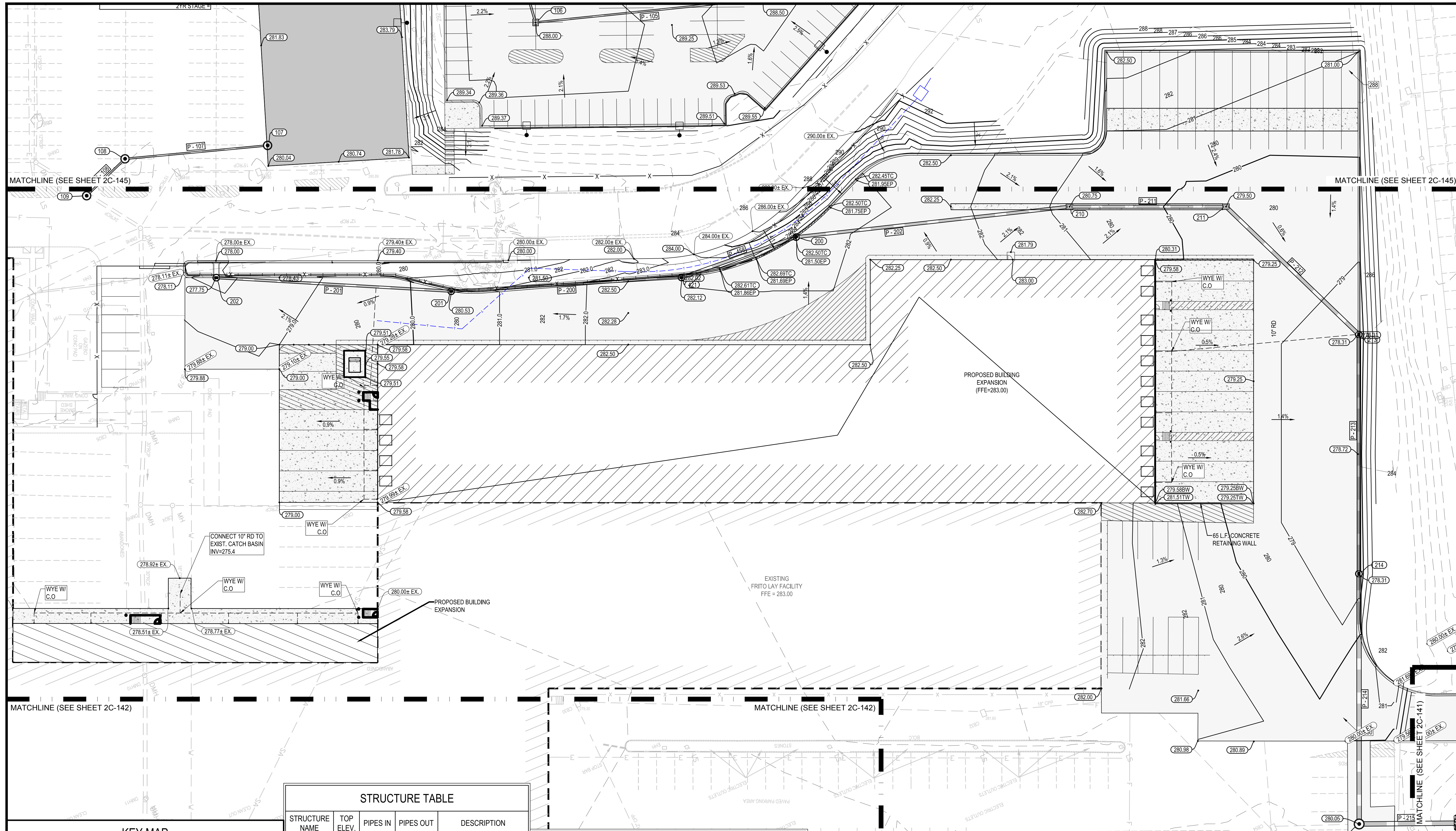
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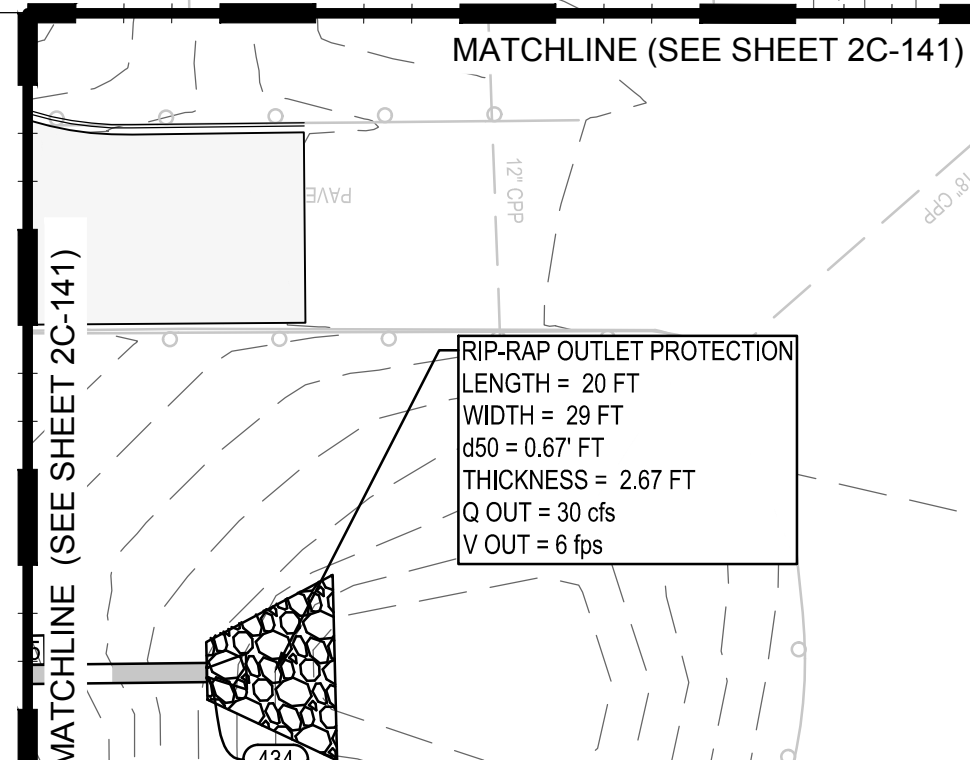
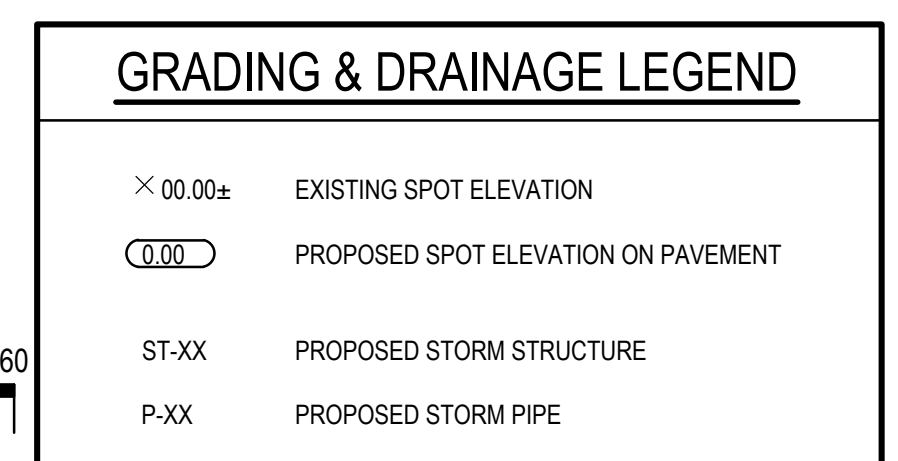
OVERALL GRADING & DRAINAGE PLAN

2C-140
SHEET NUMBER



STRUCTURE TABLE				
STRUCTURE NAME	TOP ELEV.	PIPES IN	PIPES OUT	DESCRIPTION
105	288.50		284.25 (S)	DITCH BOTTOM INLET - TYPE C
106	288.00	283.40 (N)	283.30 (W)	DITCH BOTTOM INLET - TYPE C
107	0.66	268.72 (S)		NULL STRUCTURE
108	280.00	268.40 (S)	274.25 (N)	DITCH BOTTOM INLET - TYPE C
109	280.46		268.62 (N)	DITCH BOTTOM INLET - TYPE C
200	281.50	272.23 (S)	272.13 (N)	CATCH BASIN
201	280.70	273.36 (SW)	273.26 (N)	CATCH BASIN
202	278.59		273.98 (NE)	CATCH BASIN
210	280.75	271.41 (S)	271.31 (NE)	CATCH BASIN
211	279.50	270.90 (SW)	270.80 (NE)	CATCH BASIN
213	278.31	270.30 (SW)	270.20 (SE)	CURB INLET
214	278.31	269.57 (NW)	269.47 (SE)	CURB INLET
215	280.05	268.81 (NW)	268.81 (N)	72" STORM MANHOLE
421	282.02	272.65 (S)	272.55 (N)	48" CONCRETE MH
434	270.80	268.55 (S)		CONCRETE FLARED END SECTION

PIPE TABLE							
PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	U/S INV	D/S INV	LENGTH (FT)	PIPE SIZE (IN)	PIPE MATERIAL
P-105	105	106	284.25	283.40	151	12"	HP STORM PP
P-107	108	107	274.25	268.72	95	12"	HP STORM PP
P-108	109	108	268.62	268.40	35	12"	HP STORM PP
P-200	201	421	273.26	272.65	152	18"	HP STORM PP
P-201	202	201	273.98	273.36	155	18"	HP STORM PP
P-202	200	210	272.13	271.41	182	24"	HP STORM PP
P-211	210	211	271.31	270.90	103	24"	HP STORM PP
P-212	211	213	270.80	270.30	122	30"	HP STORM PP
P-213	213	214	270.20	269.57	158	30"	HP STORM PP
P-214	214	215	269.47	268.81	165	36"	HP STORM PP
P-215	215	434	268.81	268.55	63	36"	HP STORM PP
P-458	421	200	272.55	272.23	80	24"	HP STORM PP



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KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

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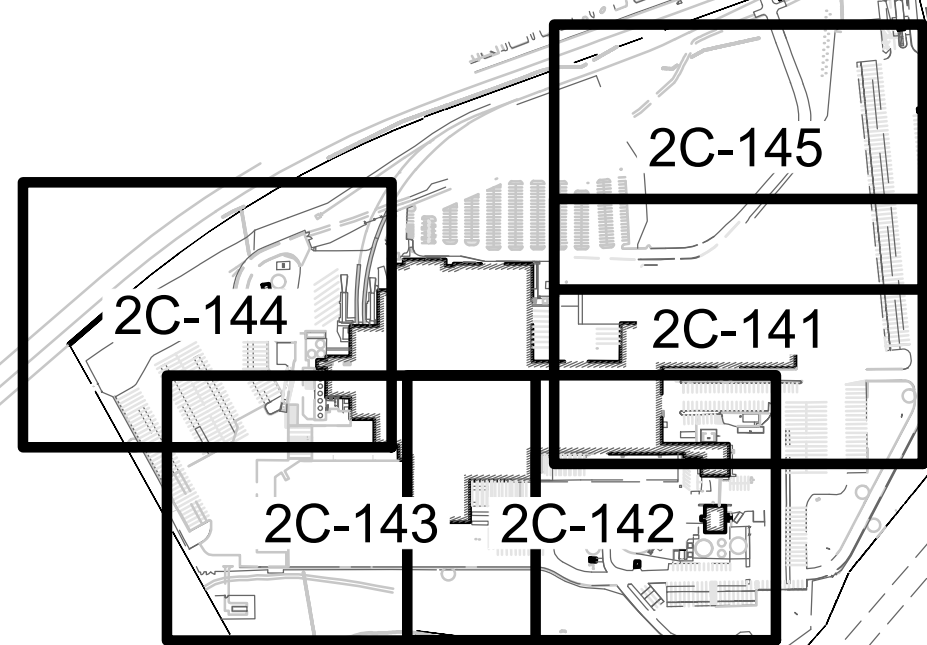
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GRADING & DRAINAGE PLAN

2C-141
SHEET NUMBER

KEY MAP



GRADING & DRAINAGE LEGEND

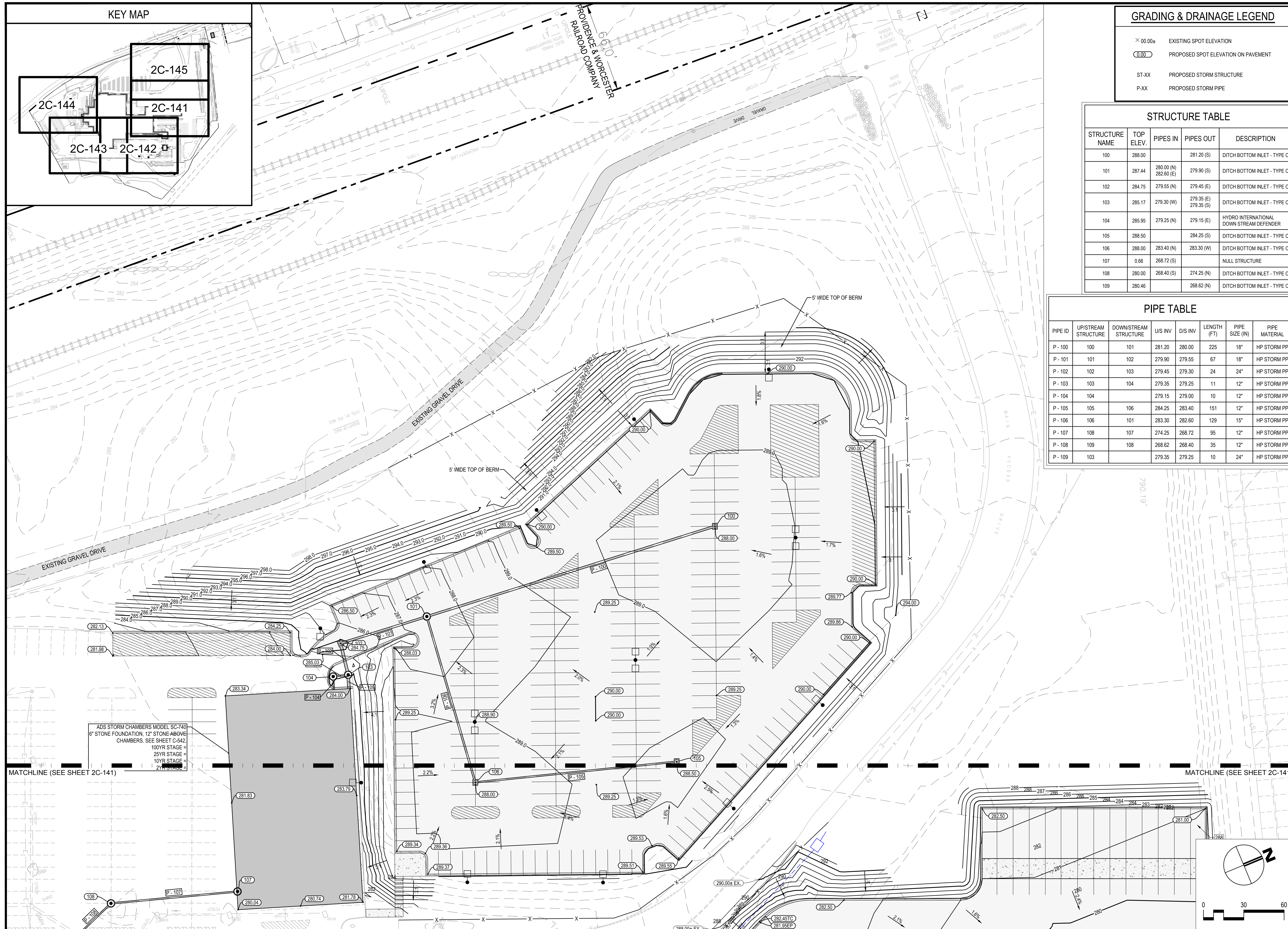
- × 00.00± EXISTING SPOT ELEVATION
- 00.00 PROPOSED SPOT ELEVATION ON PAVEMENT
- ST-XX PROPOSED STORM STRUCTURE
- P-XX PROPOSED STORM PIPE

STRUCTURE TABLE

STRUCTURE NAME	TOP ELEV.	PIPES IN	PIPES OUT	DESCRIPTION
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101	287.44	280.00 (N) 282.60 (E)	279.90 (S)	DITCH BOTTOM INLET - TYPE C
102	284.75	279.55 (N)	279.45 (E)	DITCH BOTTOM INLET - TYPE C
103	285.17	279.30 (W)	279.35 (E) 279.35 (S)	DITCH BOTTOM INLET - TYPE C
104	285.95	279.25 (N)	279.15 (E)	HYDRO INTERNATIONAL DOWN STREAM DEFENDER
105	288.50		284.25 (S)	DITCH BOTTOM INLET - TYPE C
106	288.00	283.40 (N)	283.30 (W)	DITCH BOTTOM INLET - TYPE C
107	0.66	268.72 (S)		NULL STRUCTURE
108	280.00	268.40 (S)	274.25 (N)	DITCH BOTTOM INLET - TYPE C
109	280.46		268.62 (N)	DITCH BOTTOM INLET - TYPE C

PIPE TABLE

PIPE ID	UP/STREAM STRUCTURE	DOWN/STREAM STRUCTURE	UIS INV	D/S INV	LENGTH (FT)	PIPE SIZE (IN)	PIPE MATERIAL
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P-103	103	104	279.35	279.25	11	12"	HP STORM PP
P-104	104		279.15	279.00	10	12"	HP STORM PP
P-105	105	106	284.25	283.40	151	12"	HP STORM PP
P-106	106	101	283.30	282.60	129	15"	HP STORM PP
P-107	108	107	274.25	268.72	95	12"	HP STORM PP
P-108	109	108	268.62	268.40	35	12"	HP STORM PP
P-109	103		279.35	279.25	10	24"	HP STORM PP



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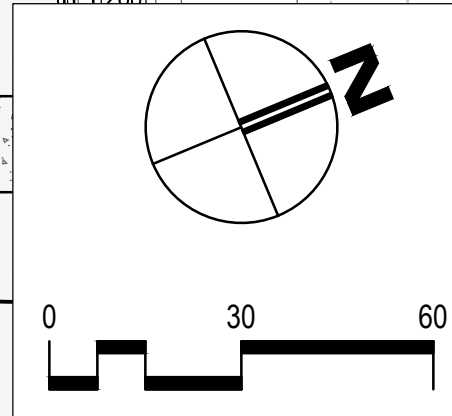
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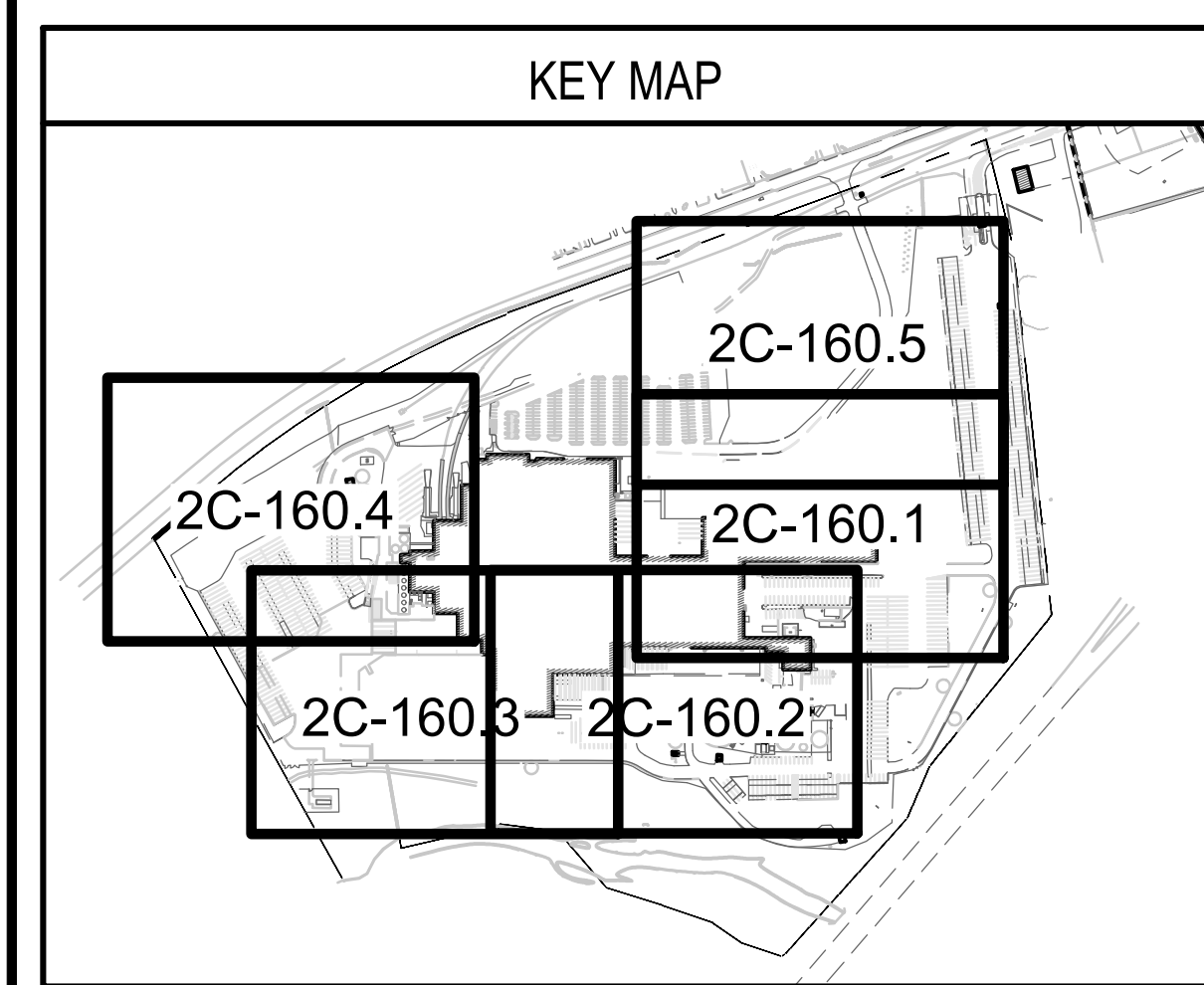
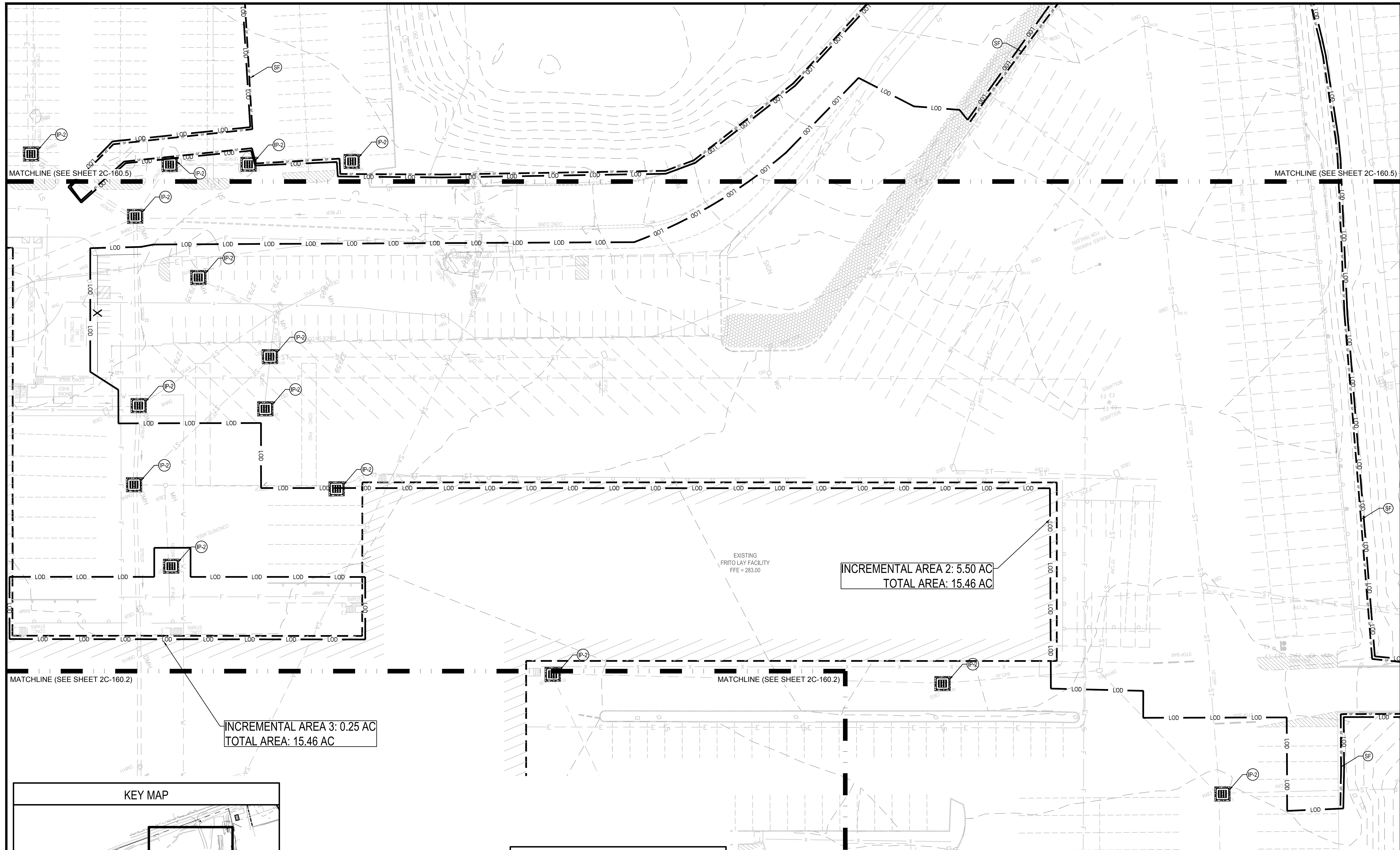
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AE JOB NUMBER: 3401365

GRADING & DRAINAGE PLAN

2C-145
 SHEET NUMBER





EROSION & SEDIMENT NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL ADHERE TO STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (D.E.E.P.) PERMITS.
2. THE CONTRACTOR SHALL ENSURE THAT THE SITE DOES NOT DISCHARGE SEDIMENT LADEN WATER.
3. INSPECTIONS AND REPORT SHALL BE COMPLETED PER REQUIREMENTS AND THE DOCUMENTS SHALL BE MAINTAINED IN THE JOB TRAILER. AT A MINIMUM THE SITE SHALL BE INSPECTED WEEKLY OR WITHIN 24 HRS OF A 1/2" OR LARGER RAINFALL EVENT. THE CONTRACTOR SHALL PROVIDE A RAIN GAUGE AT THE SITE FOR DETERMINATION OF APPLICABLE RAINFALL EVENTS.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR AND REPAIRED WITHIN 24 HRS OF NOTIFICATION OF DEVIATION BY THE ENGINEERING OR CONSTRUCTION MANAGEMENT TEAM.
5. THE CONTRACTOR SHALL PROVIDE A LINED LOW-SIDED DUMPSTER FOR CONCRETE WASHOUT. ALL DISCHARGE FROM THE CONCRETE WASH-OUT SHALL BE CONSIDERED WASTEWATER AND SHOULD NOT BE ALLOWED TO ENTER THE STORMWATER SYSTEM.
6. NOTICE SHALL BE POSTED AT THE MAIN ENTRANCE OF THE CONSTRUCTION SITE AND SHALL INCLUDE A COPY OF THE COMPLETED NOI LETTER, NOISE PERMIT NUMBER, PROJECT CONTACT PERSON AND CONTACT INFORMATION, AND THE LOCATION OF THE CONSTRUCTION PLANS.

SEQUENCE OF CONSTRUCTION

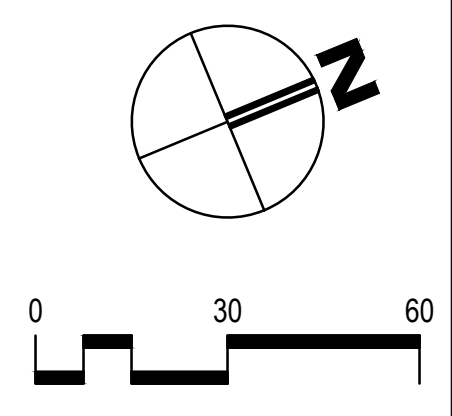
1. INSTALL CONSTRUCTION ENTRANCE FROM THE EXISTING DRIVEWAY TO THE CONSTRUCTION AREA
2. CONSTRUCT AND STABILIZE PERIMETER CONTROLS.
3. INSTALL INLET PROTECTION ON EXISTING INLETS.
4. DEMO EXISTING PAVEMENTS AS SHOWN AND MASS GRADE THE SITE WITHIN THE PERIMETER CONTROLS.
5. INSTALL INLET PROTECTION ON ALL PROPOSED INLETS AS THEY ARE CONSTRUCTED
6. INSTALL CONCRETE PAVEMENT
7. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT SEEDING DEPENDING ON TIME OF YEAR.
8. REMOVE TEMPORARY CONSTRUCTION FENCE.
9. REMOVE EROSION AND SEDIMENT CONTROL MEASURES UPON FINAL INSPECTION BY ENGINEER OF RECORD.

*THE CONTRACTOR SHALL SUBMIT ALTERNATE PLANS TO THE PROJECT MANAGER AND ENGINEER PRIOR TO DEVIATING FROM THE SEQUENCE OF CONSTRUCTION.

AREA 1 = 4.40 AC.
 AREA 2 = 5.50 AC.
 AREA 3 = 0.25 AC.
 AREA 4 = 3.97 AC.
 AREA 5 = 0.71 AC.
 TOTAL DISTURBED AREA: 14.73 AC.

LEGEND

WW	WEIGHTED WATTLE		CE	CONSTRUCTION ENTRANCE
LOD	LIMITS OF DISTURBANCE		IP-1	GUTTER BUDDY
SF	SILT FENCE		IP-2	SILT SAVER
CWO	CONCRETE WASHOUT			



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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
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Q	P&Z CI	09/06/21

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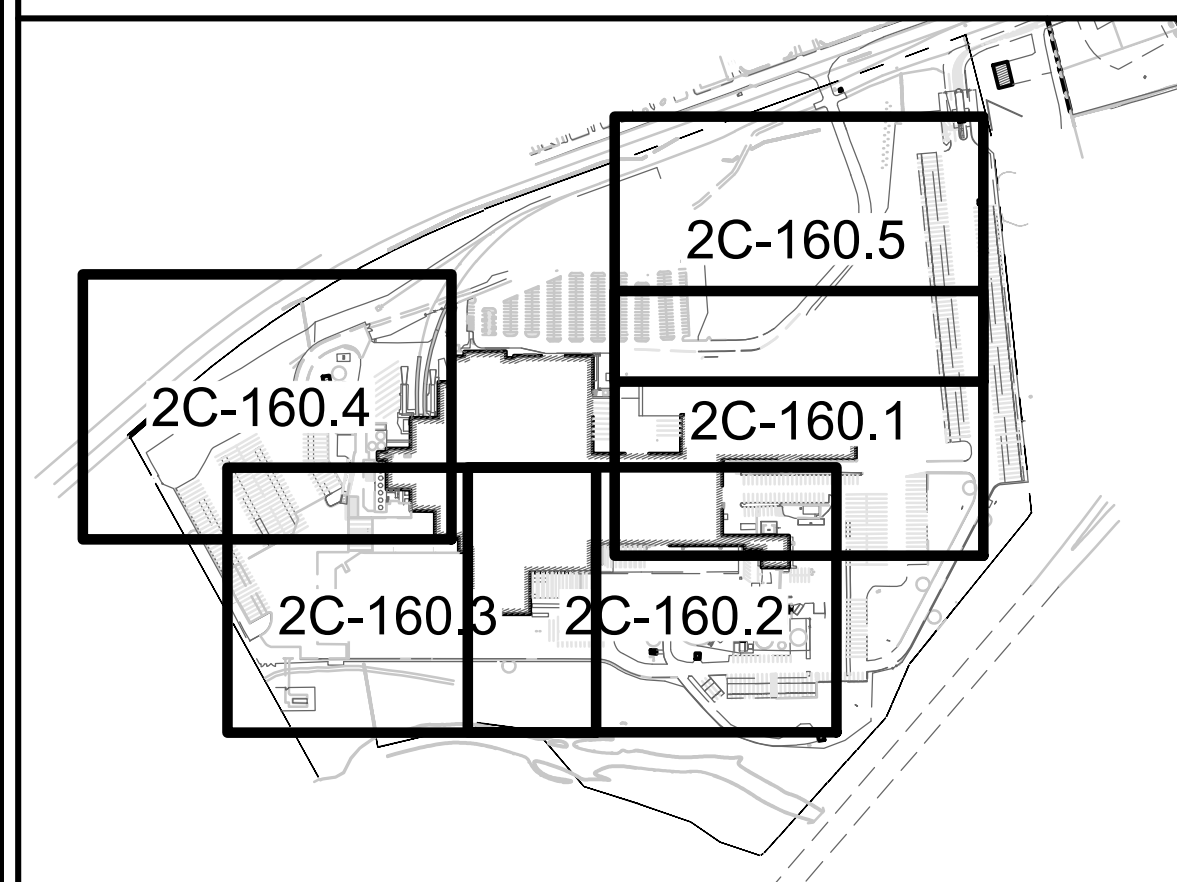
DRAWN BY: SB/C/MSL CHECKED BY: JRH

AE JOB NUMBER: 3401365

INITIAL EROSION & SEDIMENT CONTROL PLAN

2C-160.1
SHEET NUMBER

KEY MAP



EROSION & SEDIMENT NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL ADHERE TO STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (D.E.E.P.) REMEDIES
2. THE CONTRACTOR SHALL ENSURE THAT THE SITE DOES NOT DISCHARGE SEDIMENT LADEN WATER.
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SEQUENCE OF CONSTRUCTION

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 3. INSTALL INLET PROTECTION ON EXISTING INLETS.
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 AREA 3 = 0.25 AC.
 AREA 4 = 3.87 AC.
 AREA 5 = 0.71 AC.
 TOTAL DISTURBED AREA: 14.73 AC.

LEGEND

WW	WEIGHTED WATTLE		CE	CONSTRUCTION ENTRANCE	
LOD	LIMITS OF DISTURBANCE		IP-1	GUTTER BUDDY	
SF	SILT FENCE		IP-2	SILT SAVER	
CWC	CONCRETE WASHOUT				

INCREMENTAL AREA 5: 1.44 AC
 TOTAL AREA: 15.46 AC

MATCHLINE (SEE SHEET 2C-160.3)

MATCHLINE (SEE SHEET 2C-160.3)

MATCHLINE (SEE SHEET 2C-160.3)

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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
 KILLINGLY, CONNECTICUT

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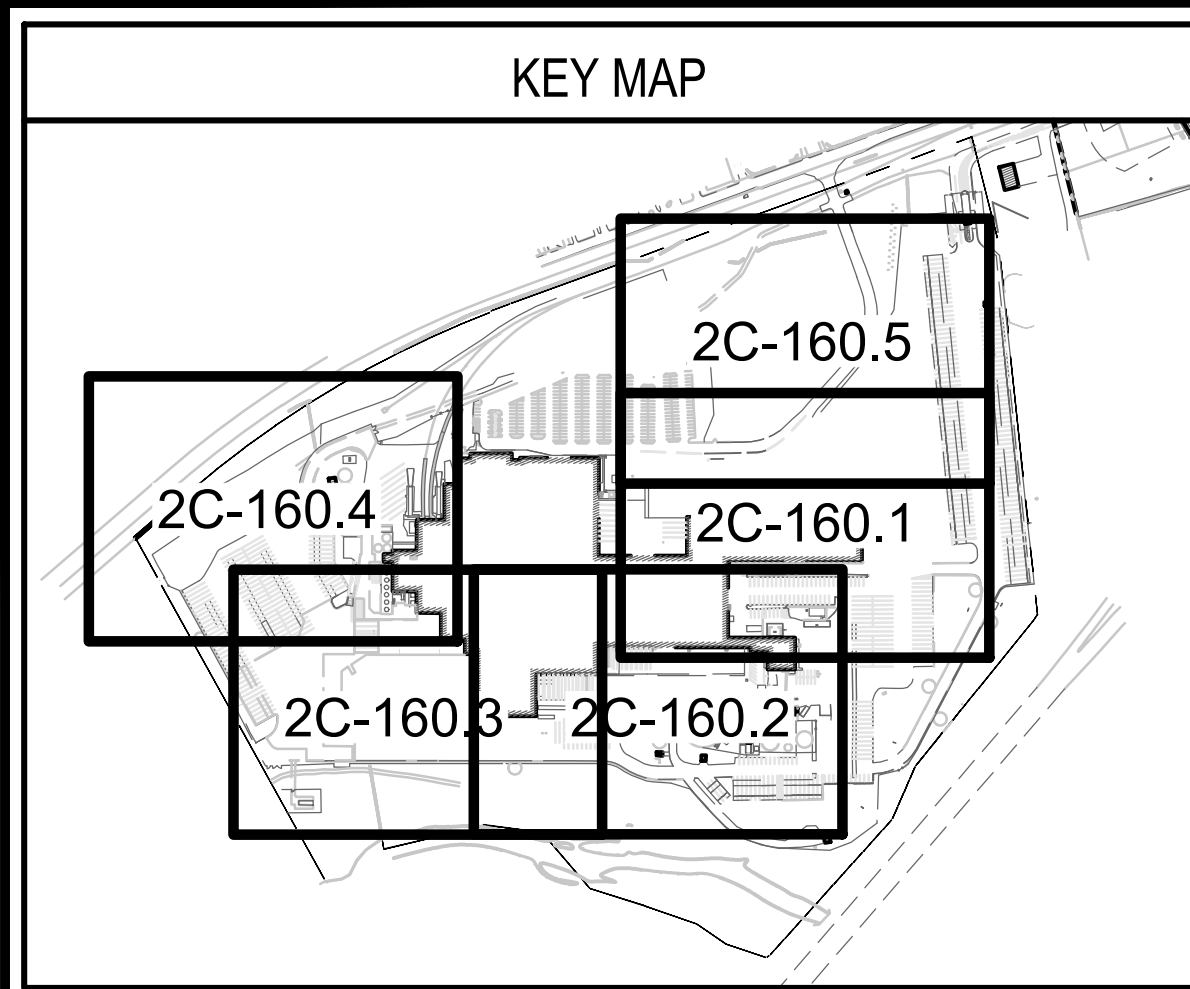
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AE JOB NUMBER
3401365

INITIAL EROSION & SEDIMENT CONTROL PLAN

2C-160.4
 SHEET NUMBER



EROSION & SEDIMENT NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL ADHERE TO STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (D.E.E.P.) REMEDIES
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SEQUENCE OF CONSTRUCTION

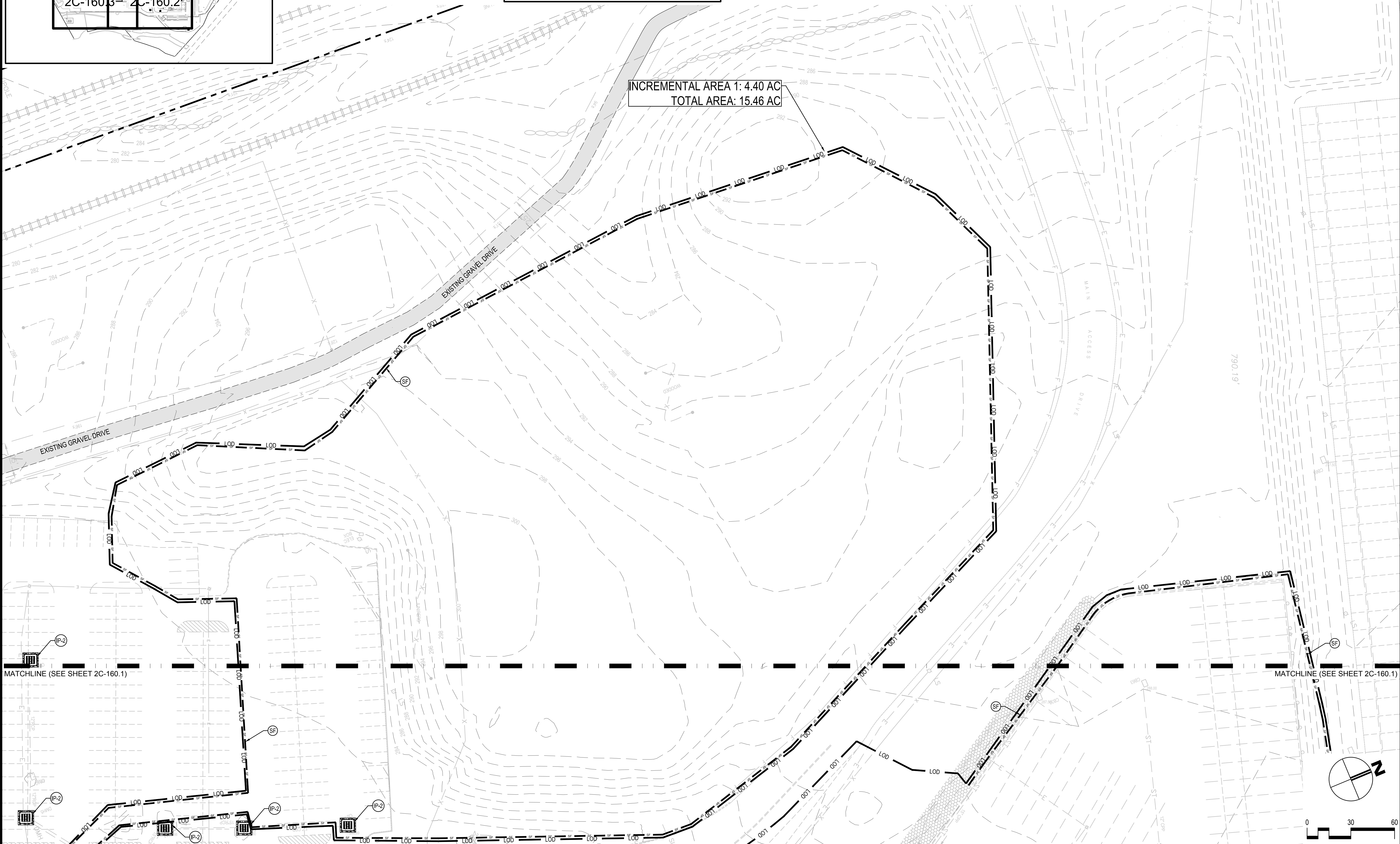
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LEGEND

WW	WEIGHTED WATTLE		CONSTRUCTION ENTRANCE		
LOD	LIMITS OF DISTURBANCE		IP-1	GUTTER BUDDY	
SF	SILT FENCE		IP-2	SILT SAVER	
CWC	CONCRETE WASHOUT				



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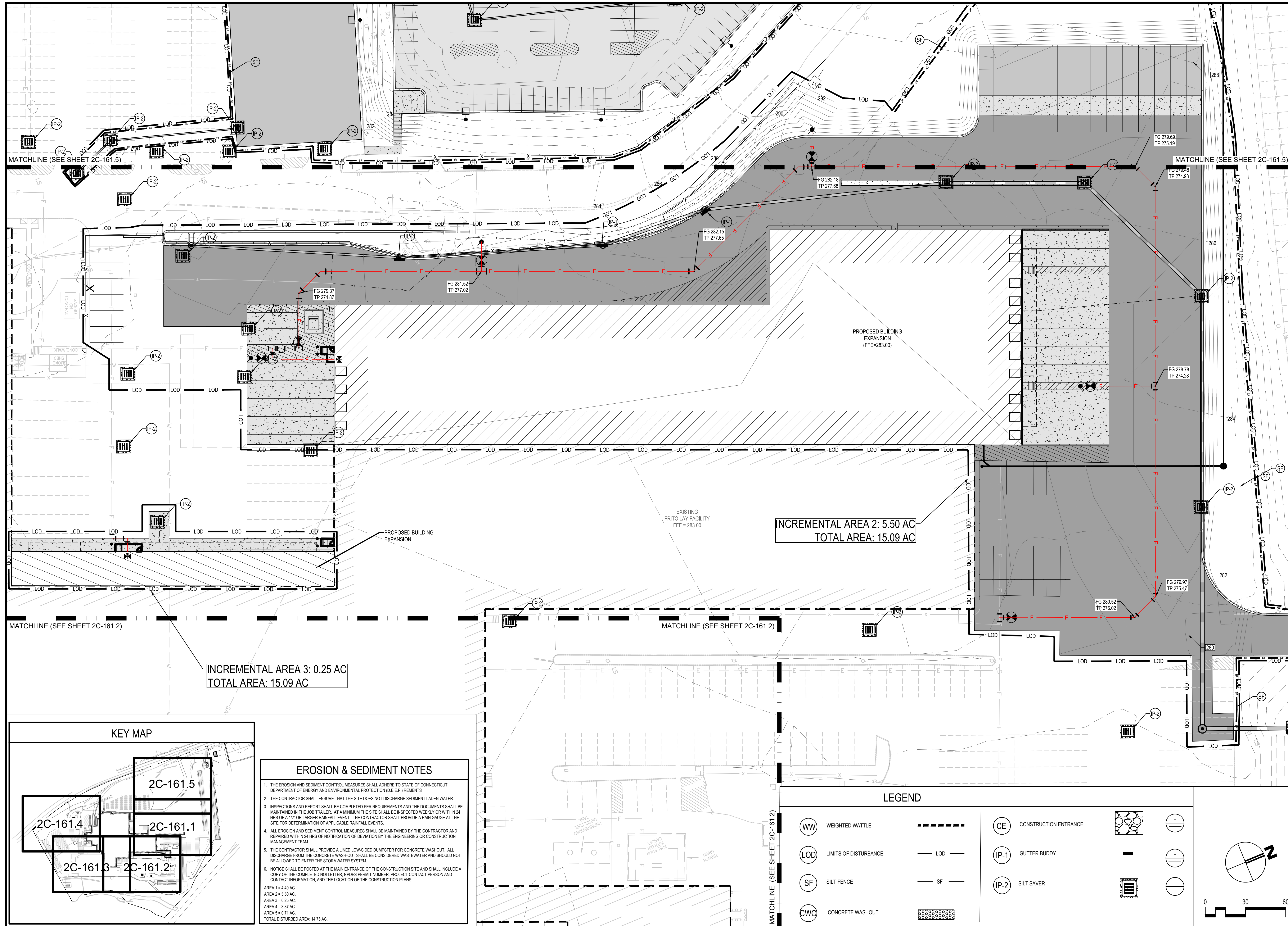
HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

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INITIAL EROSION & SEDIMENT CONTROL PLAN	
2C-160.5 SHEET NUMBER	



MATCHLINE (SEE SHEET 2C-161.5)

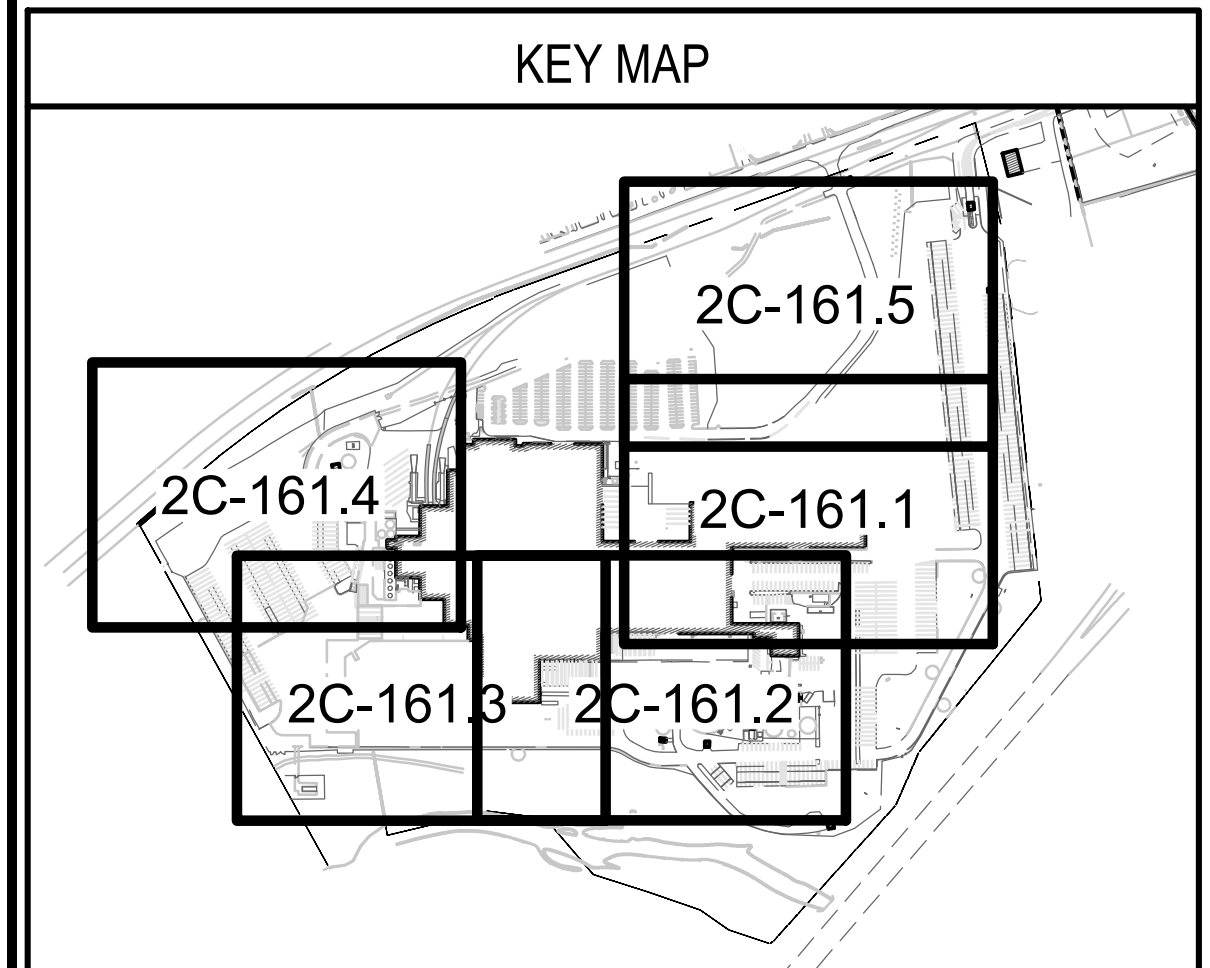
MATCHLINE (SEE SHEET 2C-161.5)

MATCHLINE (SEE SHEET 2C-161.2)

MATCHLINE (SEE SHEET 2C-161.2)

INCREMENTAL AREA 2: 5.50 AC
TOTAL AREA: 15.09 AC

INCREMENTAL AREA 3: 0.25 AC
TOTAL AREA: 15.09 AC



- ### EROSION & SEDIMENT NOTES
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LEGEND

WV	WEIGHTED WATTLE		CE	CONSTRUCTION ENTRANCE	
LOD	LIMITS OF DISTURBANCE		IP-1	GUTTER BUDDY	
SF	SILT FENCE		IP-2	SILT SAVER	
CWO	CONCRETE WASHOUT				

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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

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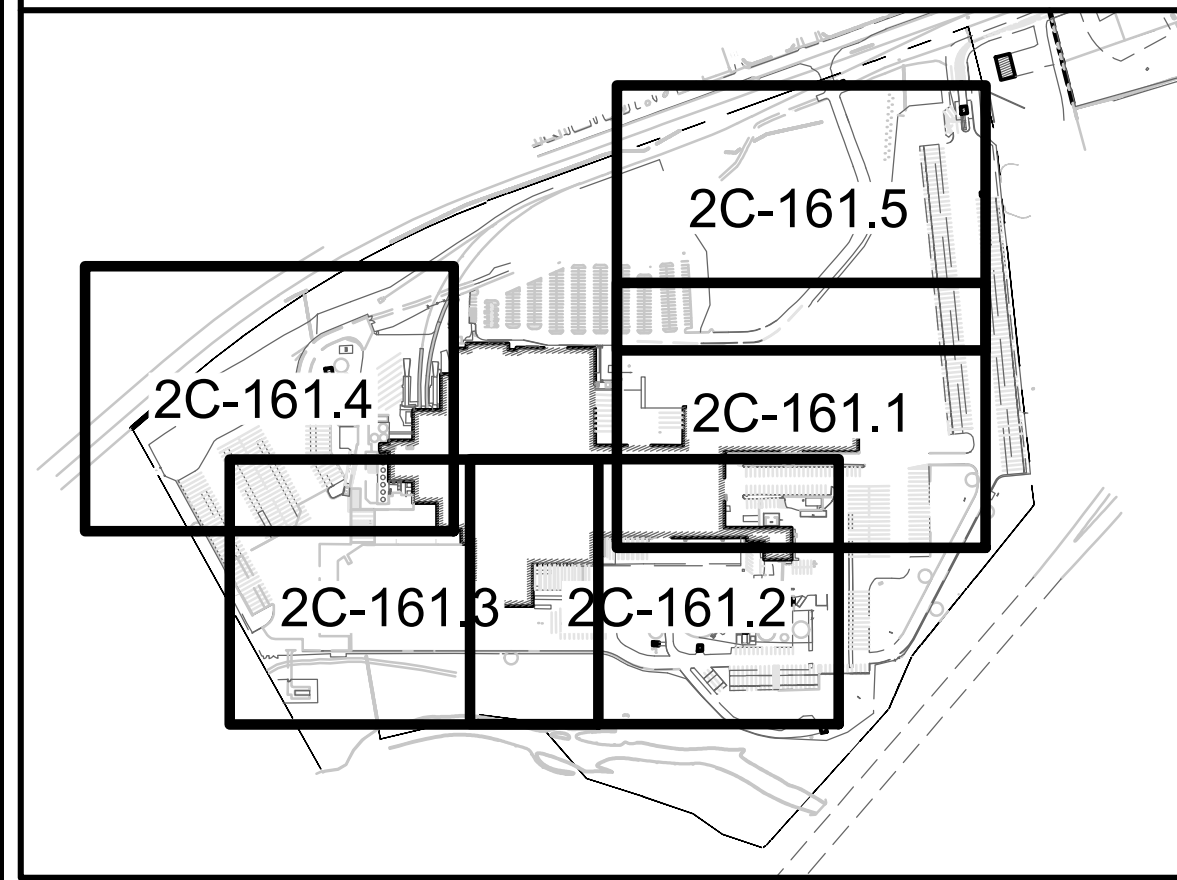
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AE JOB NUMBER: 3401365

FINAL EROSION & SEDIMENT CONTROL PLAN

2C-161.1
SHEET NUMBER

KEY MAP

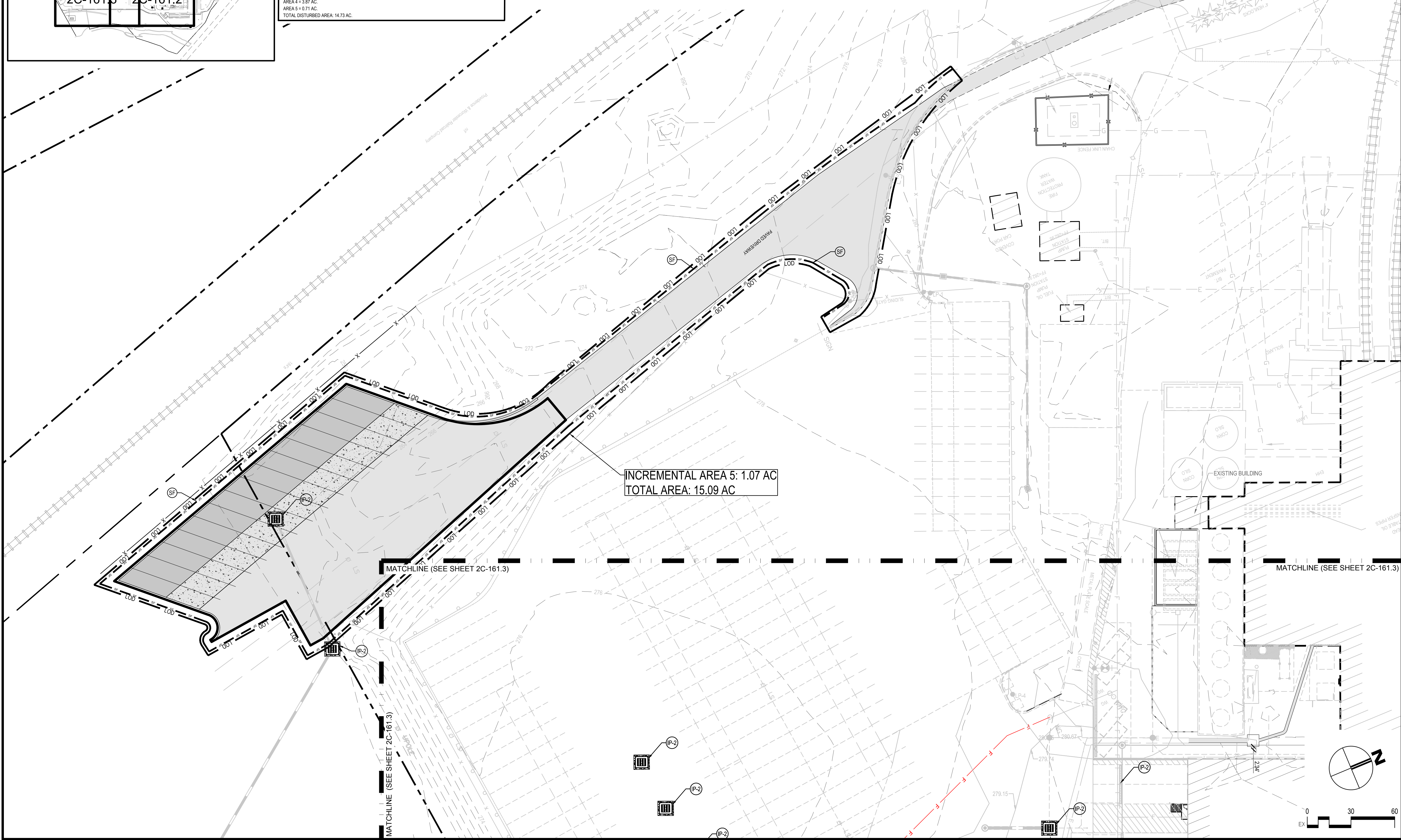


EROSION & SEDIMENT NOTES

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LEGEND

WW	WEIGHTED WATTLE			CE	CONSTRUCTION ENTRANCE		
LOD	LIMITS OF DISTURBANCE		LOD	IP-1	GUTTER BUDDY		
SF	SILT FENCE		SF	IP-2	SILT SAVER		
CWC	CONCRETE WASHOUT						



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HASKELL

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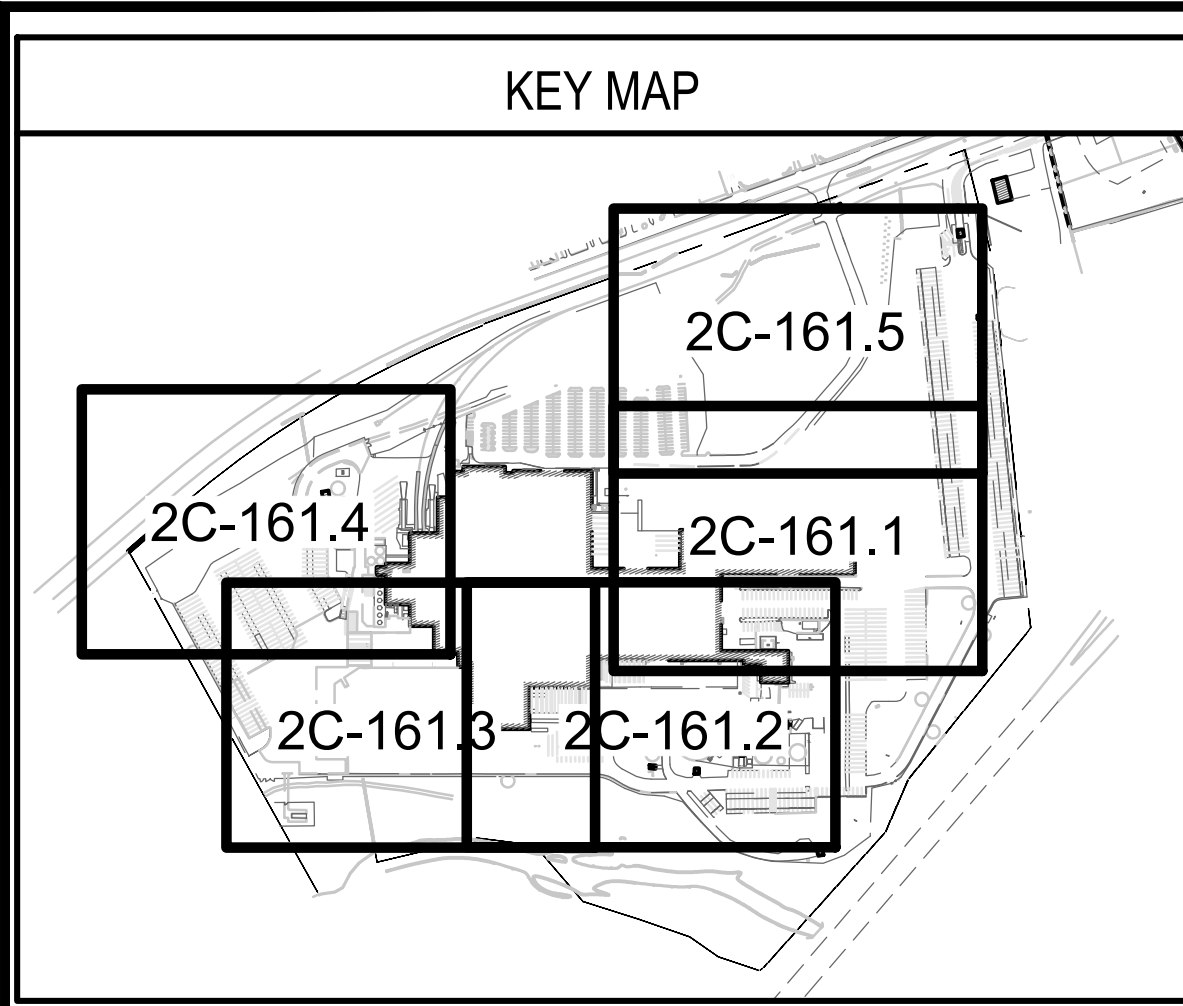
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FINAL EROSION & SEDIMENT CONTROL PLAN

2C-161.4
SHEET NUMBER



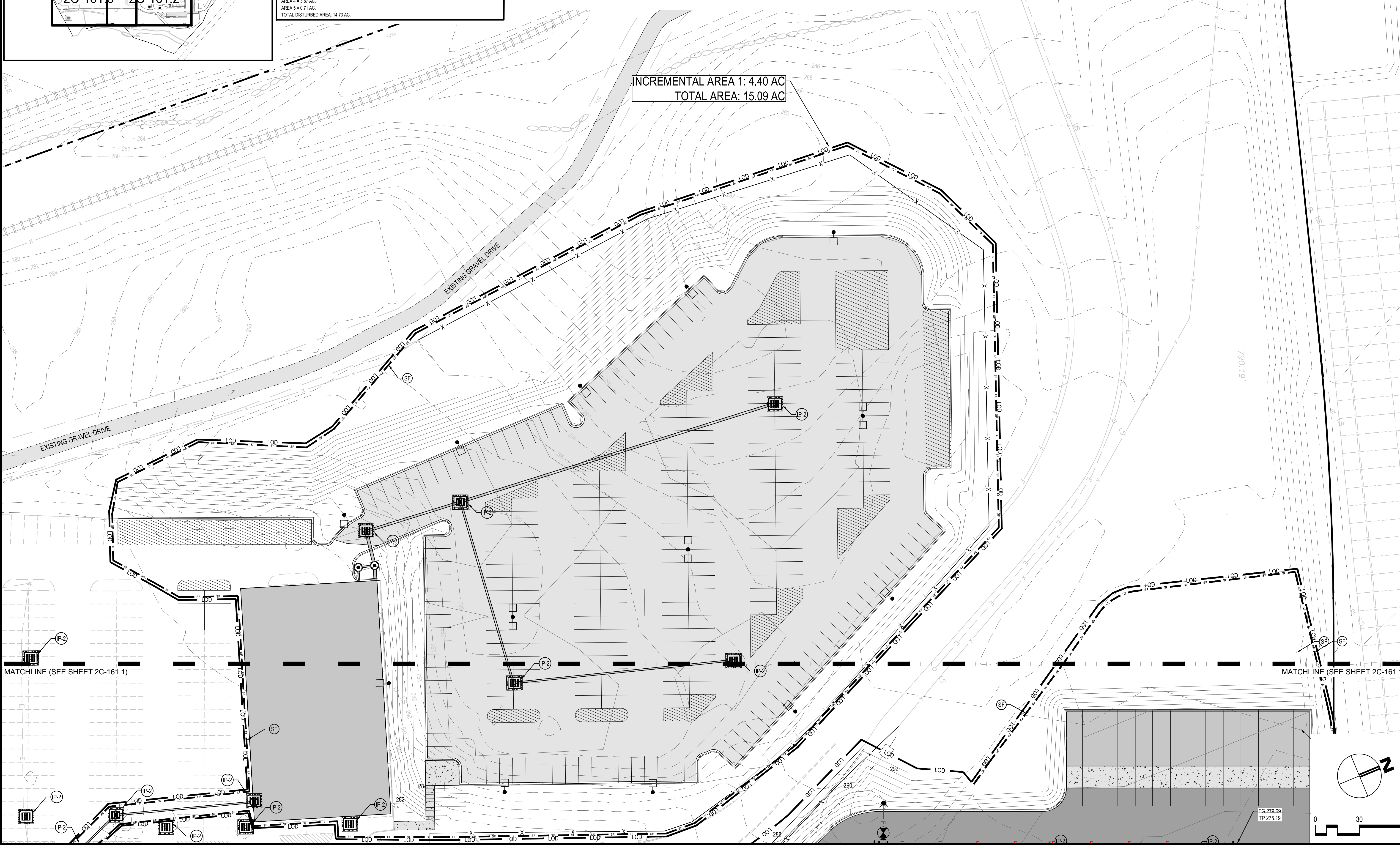
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LEGEND

WEIGHTED WATTLE	LOD	CONSTRUCTION ENTRANCE		
LIMITS OF DISTURBANCE	SF	GUTTER BUDDY		
SILT FENCE		SILT SAVER		
CONCRETE WASHOUT				



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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

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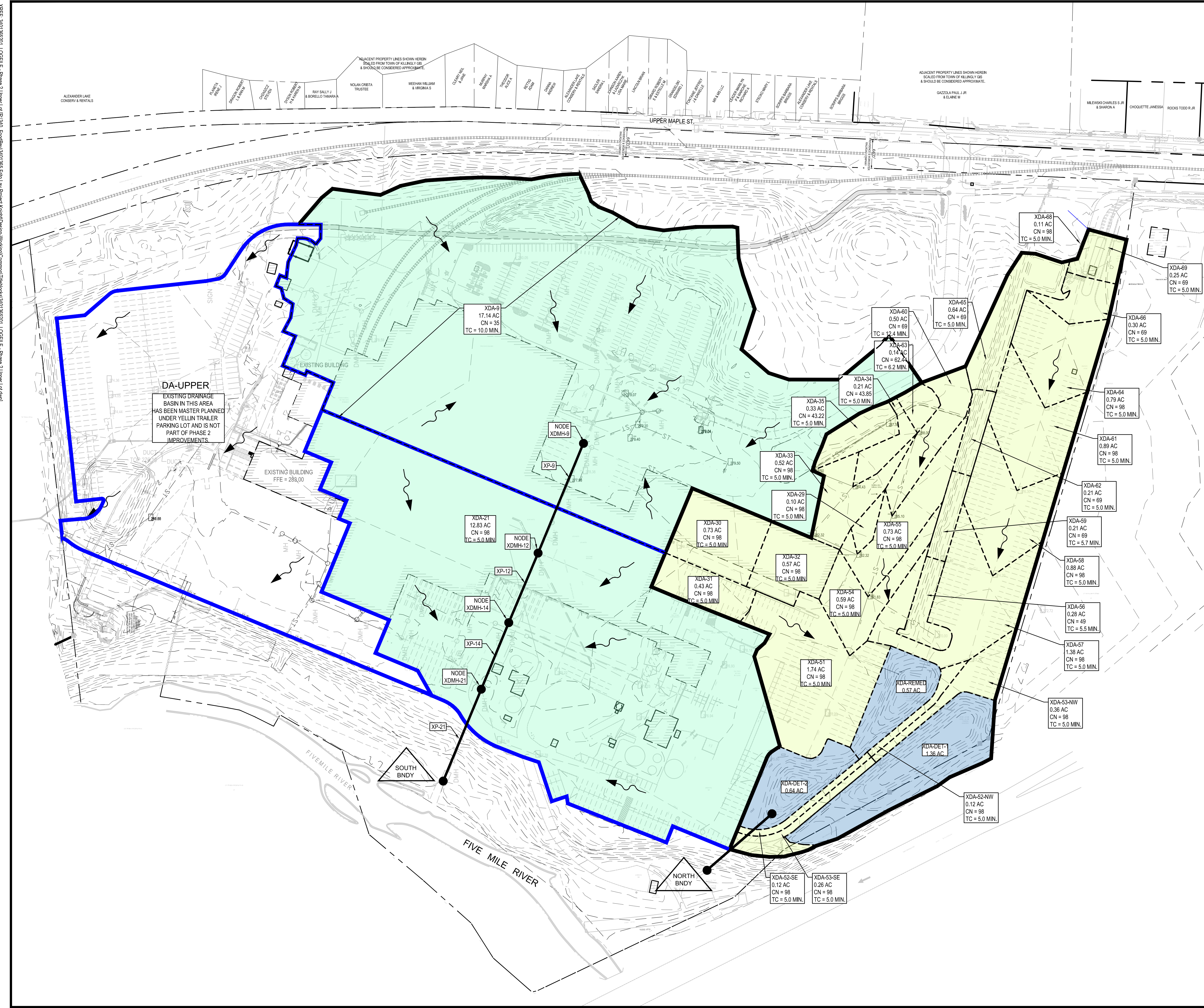
AE JOB NUMBER
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FINAL EROSION & SEDIMENT CONTROL PLAN

2C-161.5
SHEET NUMBER

FG 279.69
TP 275.19

P:\340_FoodBev\3401365 Frito Lay Project\KnightDesign\Working\Civil\AubCAD\06 Sheet Files\FPhase2\UPPER LOT\3401365201_2C-171.dwg Layout Name: 2C-171 Jan 14, 2022 - 11:51am PLOTTED BY: MSJ Lyons



PRE DEVELOPMENT NOTES

1. COMPOSITE CN VALUES SHOWN ARE ONLY APPLIED TO THE AREAS NOT CONSIDERED DIRECTLY CONNECTED IMPERVIOUS AREA. ALL DCJA'S ARE ASSIGNED A CN VALUE OF 98 IN ROUTING ANALYSIS.
2. FEMA FLOOD PLANE ELEVATION WITHIN FIVE MILE RIVER = 254.00. FEMA PANEL NO. 090136 0004 B.
3. FOR DETAILED INDIVIDUAL BASIN INFORMATION, REFER TO TR-55 WORKSHEETS WITHIN STORM WATER MANAGEMENT PLAN.

LEGEND

- EXISTING DRAINAGE BASIN: NORTH
- EXISTING DRAINAGE BASIN: SOUTH
- EXISTING STORMWATER PONDS
- MINOR BASIN DIVIDE
- XDA-XX EXISTING DRAINAGE BASIN
- XDMH-XX EXISTING DRAINAGE MANHOLE
- XST-XX EXISTING DRAINAGE STRUCTURE
- XP-XX EXISTING DRAINAGE PIPE
- DA-XX POST DRAINAGE BASIN
- DMH-XX PROPOSED DRAINAGE MANHOLE
- BXXX PROPOSED DRAINAGE STRUCTURE
- PROPOSED DRAINAGE PIPE
- BASIN FLOW ARROW
- POINT OF DRAINAGE ANALYSIS

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REG. NO. 33834

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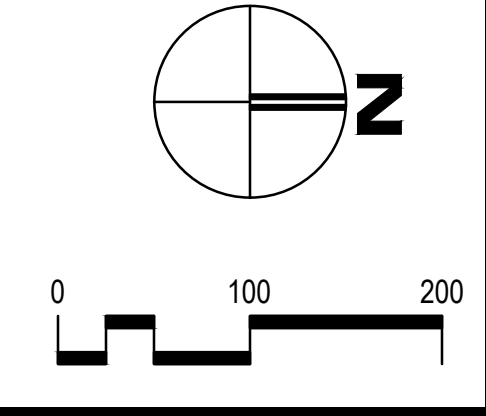
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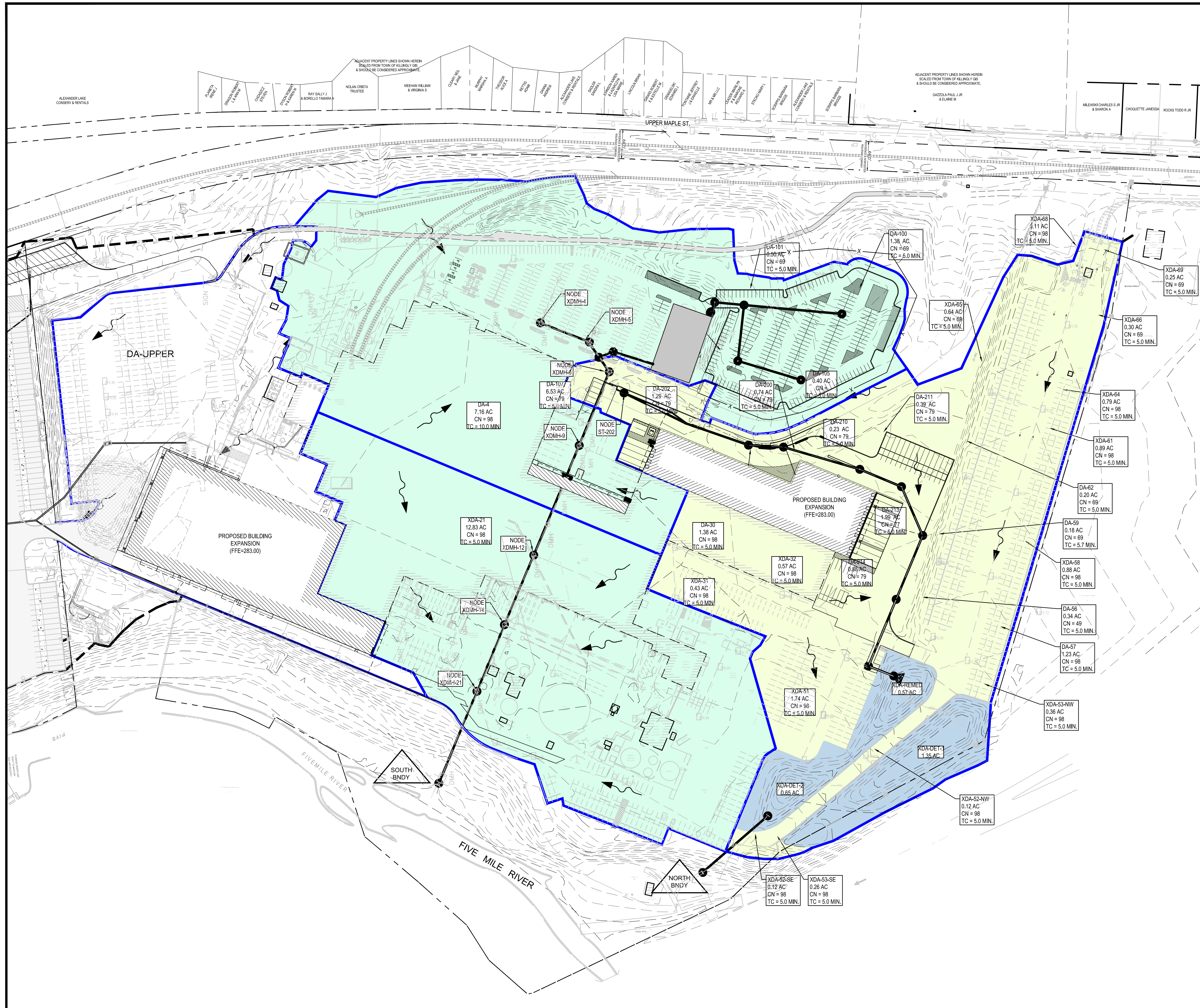
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AE JOB NUMBER
3401365

PRE DEVELOPMENT DRAINAGE MAP

2C-171
SHEET NUMBER





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LEGEND

- [Yellow Shaded Area] EXISTING DRAINAGE BASIN: NORTH
- [Light Green Shaded Area] EXISTING DRAINAGE BASIN: SOUTH
- [Blue Dashed Line] EXISTING STORMWATER PONDS
- [Black Dashed Line] MINOR BASIN DIVIDE
- XDA-XX EXISTING DRAINAGE BASIN
- XDMH-XX EXISTING DRAINAGE MANHOLE
- XST-XX EXISTING DRAINAGE STRUCTURE
- XP-XX EXISTING DRAINAGE PIPE
- DA-XX POST DRAINAGE BASIN
- DMH-XX PROPOSED DRAINAGE MANHOLE
- ST-XX PROPOSED DRAINAGE STRUCTURE
- P-XX PROPOSED DRAINAGE PIPE
- [Arrow with Wavy Line] BASIN FLOW ARROW
- [Triangle] POINT OF DRAINAGE ANALYSIS

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CHIEF ENGINEER

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HASKELL

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
V	Progress Issue #2	09/20/21
R	Progress Issue #1	08/13/21
Q	P&Z CI	08/06/21
Q	P&Z CI	08/06/21

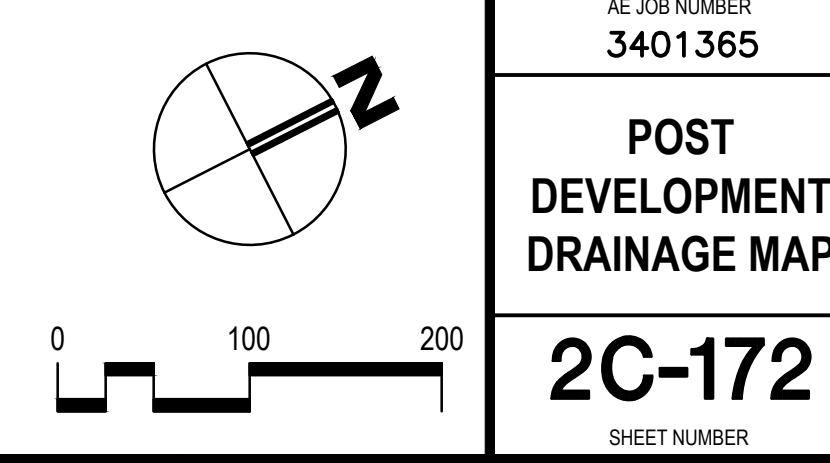
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POST DEVELOPMENT DRAINAGE MAP

2C-172
SHEET NUMBER





JOSHUA R. HOUGH
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FRITO-LAY
KILLINGLY TRANSFORMATION
 KILLINGLY, CONNECTICUT

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Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
W	RCPI	10/06/21
V	Progress Issue #2	09/20/21

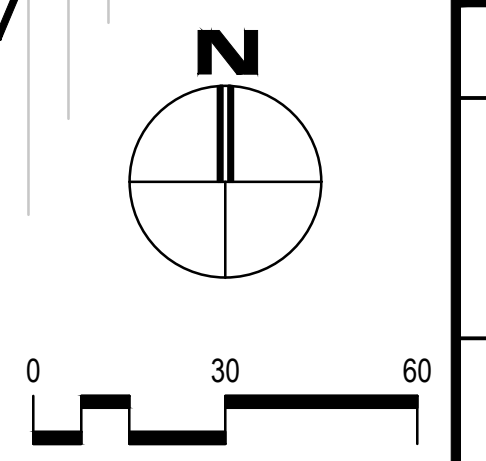
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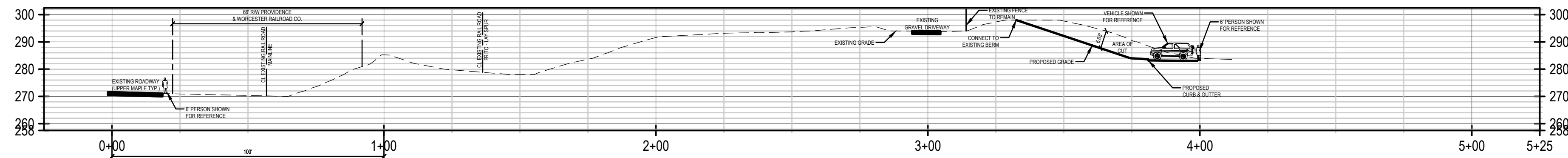
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SBC/MSL	JRH

AE JOB NUMBER
3401365

ROADWAY PROFILES

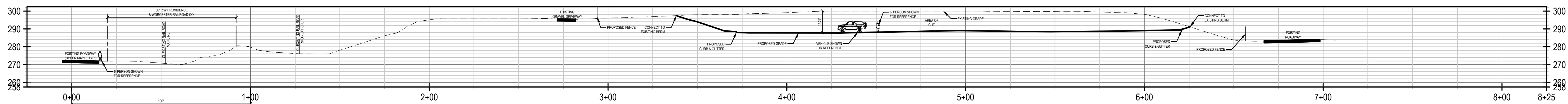
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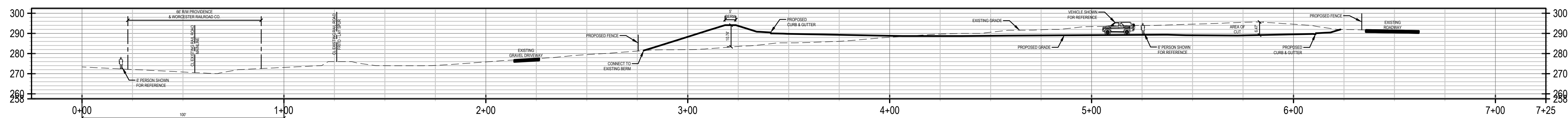
SECTION A-A
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 30'

TOTAL CUT WITHIN AUTO
PARKING LOT = 19,332 CU YD.



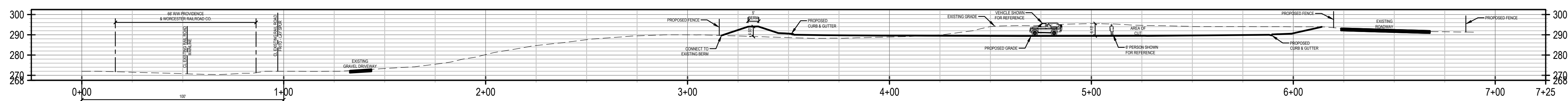
SECTION B-B
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 30'

TOTAL CUT WITHIN AUTO
PARKING LOT = 19,332 CU YD.



SECTION C-C
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 30'

TOTAL CUT WITHIN AUTO
PARKING LOT = 19,332 CU YD.



SECTION D-D
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 30'

TOTAL CUT WITHIN AUTO
PARKING LOT = 19,332 CU YD.

JOSHUA R. HOUGH
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REG. NO. 31834

FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
W	RCPI	10/06/21
V	Progress Issue #2	09/20/21

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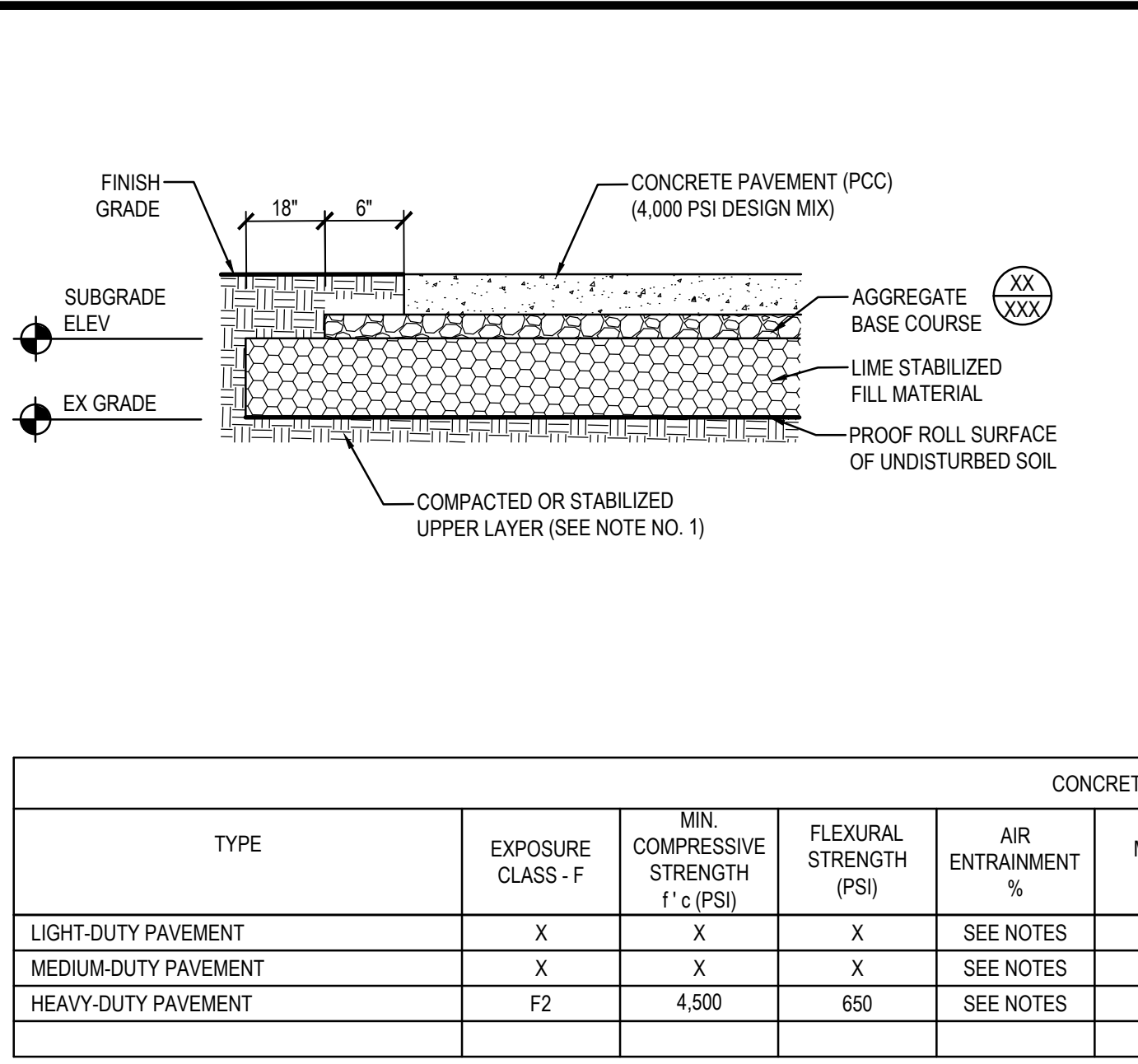
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3401365

ROADWAY
PROFILES

2C-222
SHEET NUMBER

PRELIMINARY
NOT FOR
CONSTRUCTION

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CONCRETE MIX NOTES:

- THE MAXIMUM SLUMP IS TO NEVER BE EXCEEDED (THIS VALUE ALREADY INCLUDES TOLERANCE)
- CONCRETE MIXES FOR SLAB ON GROUND CONSTRUCTION SHALL COMPLY WITH ACI 302.1-15, SECTION 8.9 REGARDING AGGREGATE GRADATIONS.
- AGGREGATE PROPORTIONS GRADATIONS FOR CONCRETE MIXTURES USED FOR SLAB ON GROUND SHALL ACHIEVE OPTIMAL COARSENESS AND WORKABILITY FACTORS. THE COARSENESS FACTORS SHALL BE BETWEEN 45 AND 75. THE WORKABILITY FACTOR SHALL BE BETWEEN 38 AND 44 WHEN THE COARSENESS FACTOR IS BETWEEN 34 AND 40 AND BETWEEN 34 AND 40 WHEN THE COARSENESS FACTOR IS 75. LINEAR INTERPOLATION OF THE WORKABILITY FACTOR IS PERMITTED BETWEEN INDICATED COARSENESS FACTORS.

MATERIALS:

REINFORCING STEEL N/A
 WELDED WIRE REINFORCEMENT N/A

SLABS-ON-GROUND:

- COMPACTED OR STABILIZED UPPER LAYER: IN AREAS WHERE SOFT OR OTHERWISE UNSUITABLE SOILS ARE IDENTIFIED DURING THE PROOF ROLLING, THOSE MATERIALS ARE TO BE UNDERCUT OR STABILIZED PRIOR TO CONCRETE PLACEMENT. THE SUB-GRADE SHALL BE PROOF ROLLED SO THAT THE MAXIMUM DEFLECTION UNDER A TRI-AXIAL LOAD OF 40 KIPS IS LESS THAN 1/2".
- CONTRACTOR SHALL FOLLOW THE JOINT PLANS AS PROVIDED IN THE CIVIL ENGINEERING DRAWINGS. ANY DEVIATION SHALL BE SUBMITTED TO THE EOR AND BE APPROVED.

CONCRETE PAVEMENT TABLE											
TYPE	EXPOSURE CLASS - F	MIN COMPRESSIVE STRENGTH f'c (PSI)	FLEXURAL STRENGTH (PSI)	AIR ENTRAINMENT %	MAX W/C RATIO	MAX AGGREGATE SIZE (MIN) (IN.)	MAX. SLUMP (IN.)	CONCRETE (IN.)	BASE (IN.)	SUB-BASE (IN.)	REINFORCEMENT
LIGHT-DUTY PAVEMENT	X	X	X	SEE NOTES	X	X	X	X	X	X	X
MEDIUM-DUTY PAVEMENT	X	X	X	SEE NOTES	X	X	X	X	X	X	X
HEAVY-DUTY PAVEMENT	F2	4,500	650	SEE NOTES	0.45	1-1/2"	5"	7"	6"	12"	NO

C1 CONCRETE PAVEMENT SECTION
 DETAIL NOT TO SCALE

AIR ENTRAINMENT NOTES:

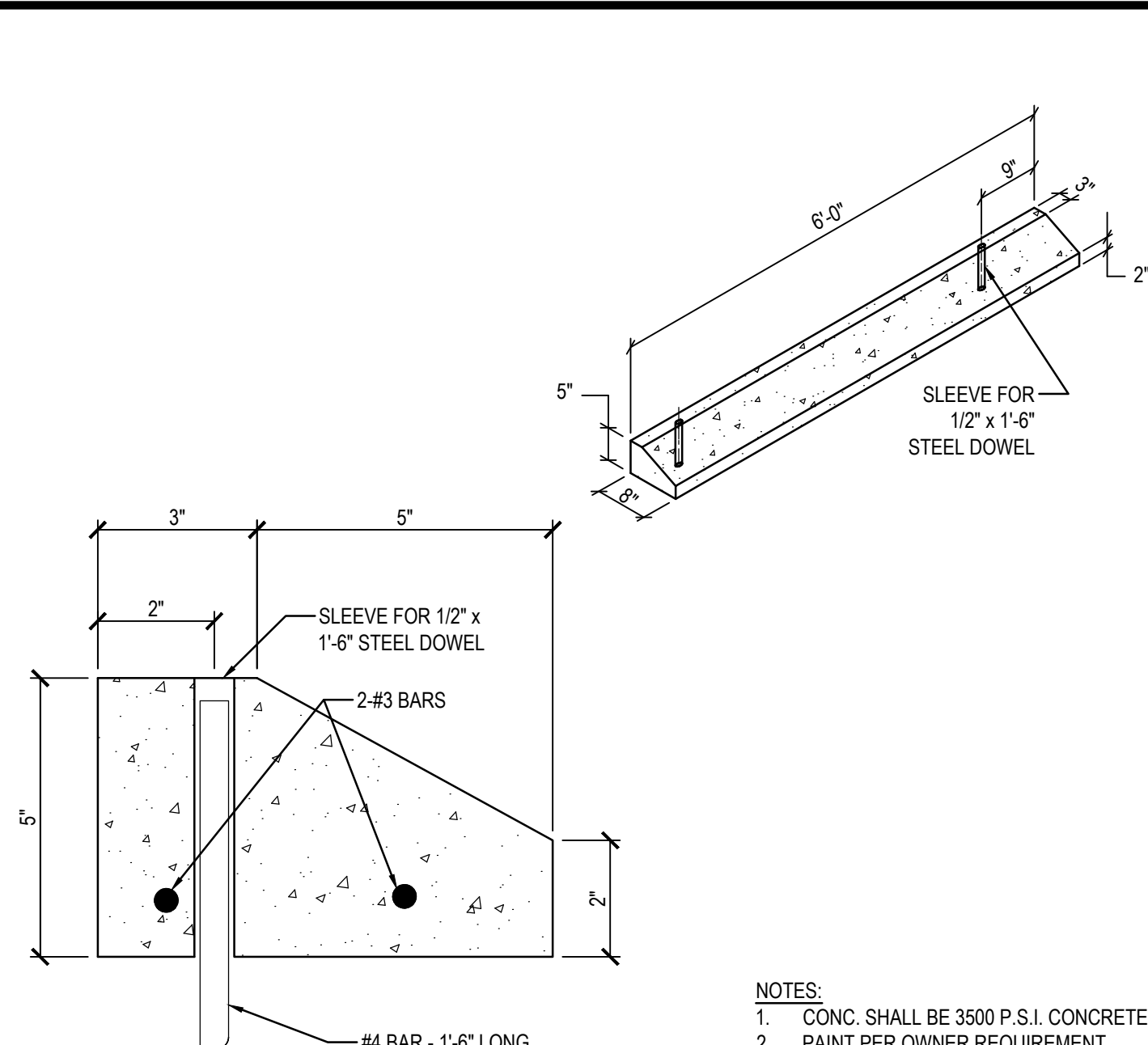
AIR ENTRAINMENT IS ONLY REQUIRED WHERE CONCRETE WILL BE EXPOSED TO ENVIRONMENTAL CONDITIONS FOR EXPOSURE CLASS F1, F2 AND F3 (PER ACI 318) AND HARD TROWEL FINISH IS NOT SPECIFIED, UNLESS SPECIFIED BY THE ENGINEER. AN EXPOSURE CLASS OF F0 REFERS TO ENVIRONMENTAL CONDITIONS WHERE FREEZING IS NOT COMMON. GENERALLY THE PROPER AIR ENTRAINMENT RATE IS PER THE FOLLOWING INFORMATION WITH A TOLERANCE ON THE AS-DELIVERED CONCRETE OF +/- 1.5 PERCENT. THE PROPER AIR ENTRAINMENT RATE IS DEPENDENT ON THE EXPOSURE CONDITION AND THE SIZE OF THE COARSE AGGREGATE EXPRESSED AS THE MAXIMUM NOMINAL AGGREGATE SIZE (ACI 318-14 TABLE 19.3.2.1).

EXPOSURE CLASS F1 : WHERE THE CONCRETE IN A COLD CLIMATE WILL BE ONLY OCCASIONALLY EXPOSED TO MOISTURE PRIOR TO FREEZING, AND WHERE NO DEICING SALTS ARE USED.

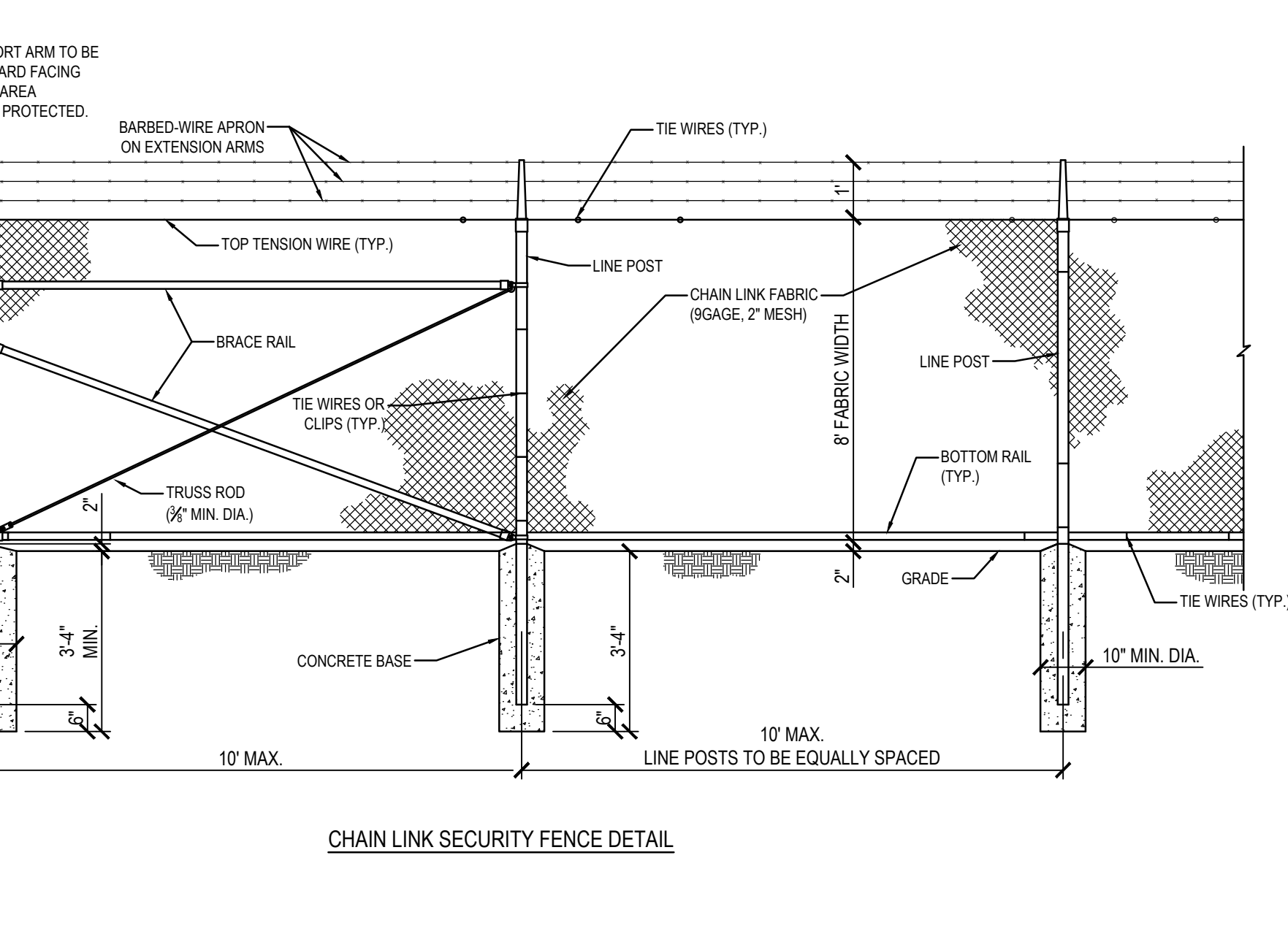
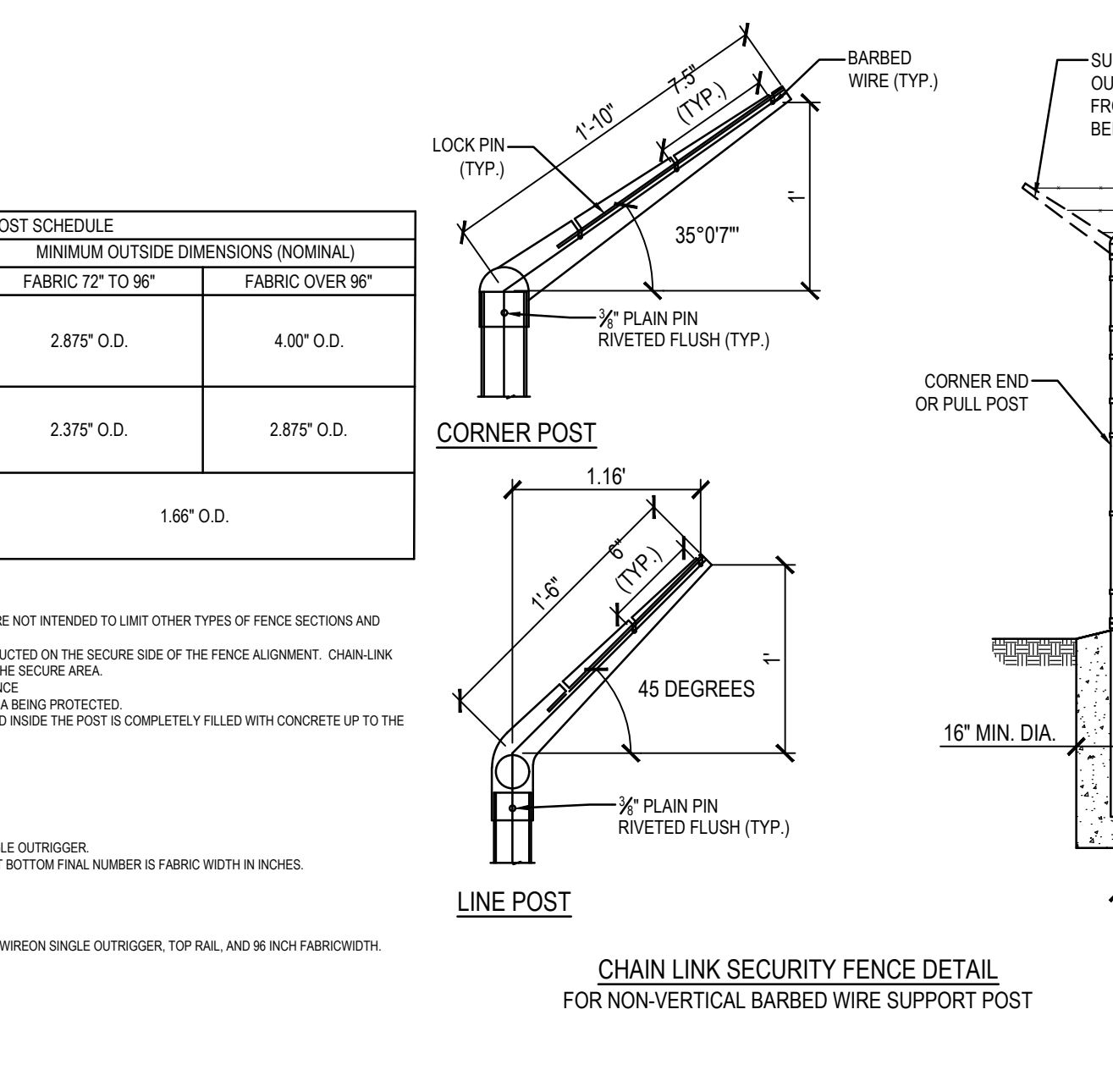
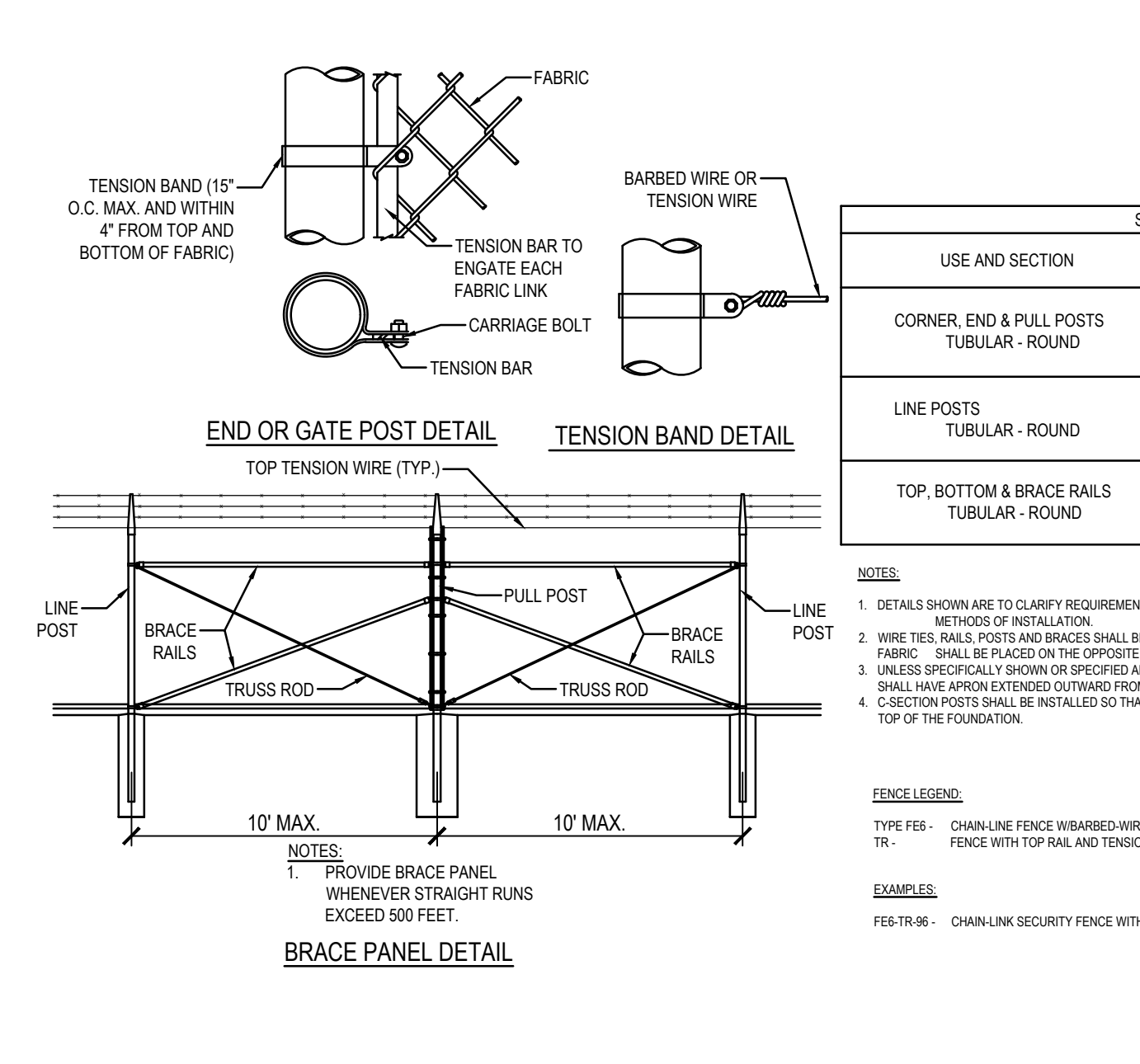
- 1-1/2" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE: 4-1/2 PERCENT.
- 3/4" NOMINAL MAXIMUM AGGREGATE SIZE: 5 PERCENT.
- 1/2" NOMINAL MAXIMUM AGGREGATE SIZE: 5 1/2 PERCENT.
- 3/8" NOMINAL MAXIMUM AGGREGATE SIZE: 6 PERCENT.

EXPOSURE CLASS F2 & F3 : WHERE THE CONCRETE IN A COLD CLIMATE MAY BE IN ALMOST CONTINUOUS CONTACT WITH MOISTURE PRIOR TO FREEZING OR WHERE DEICING SALTS ARE USED.

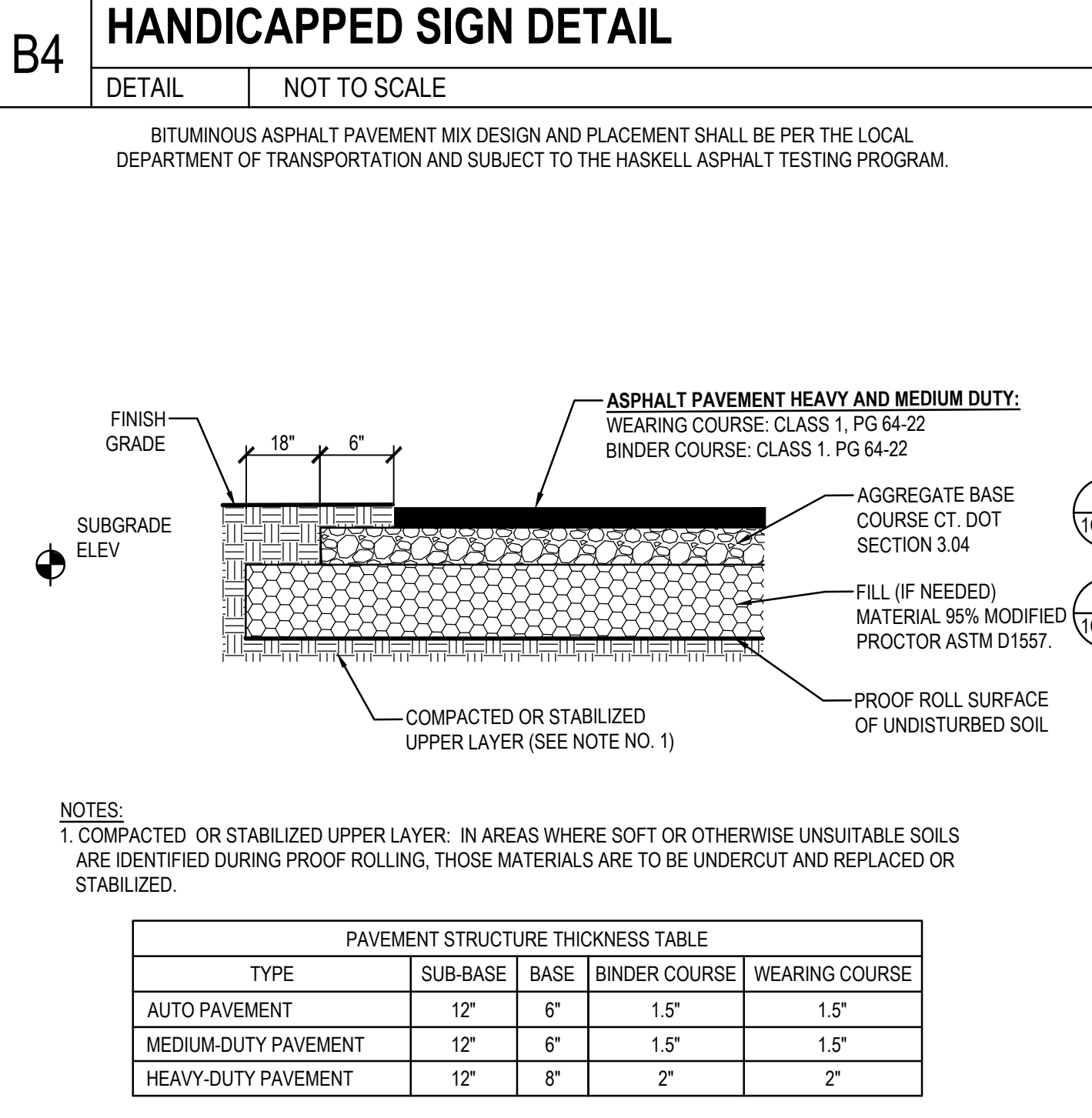
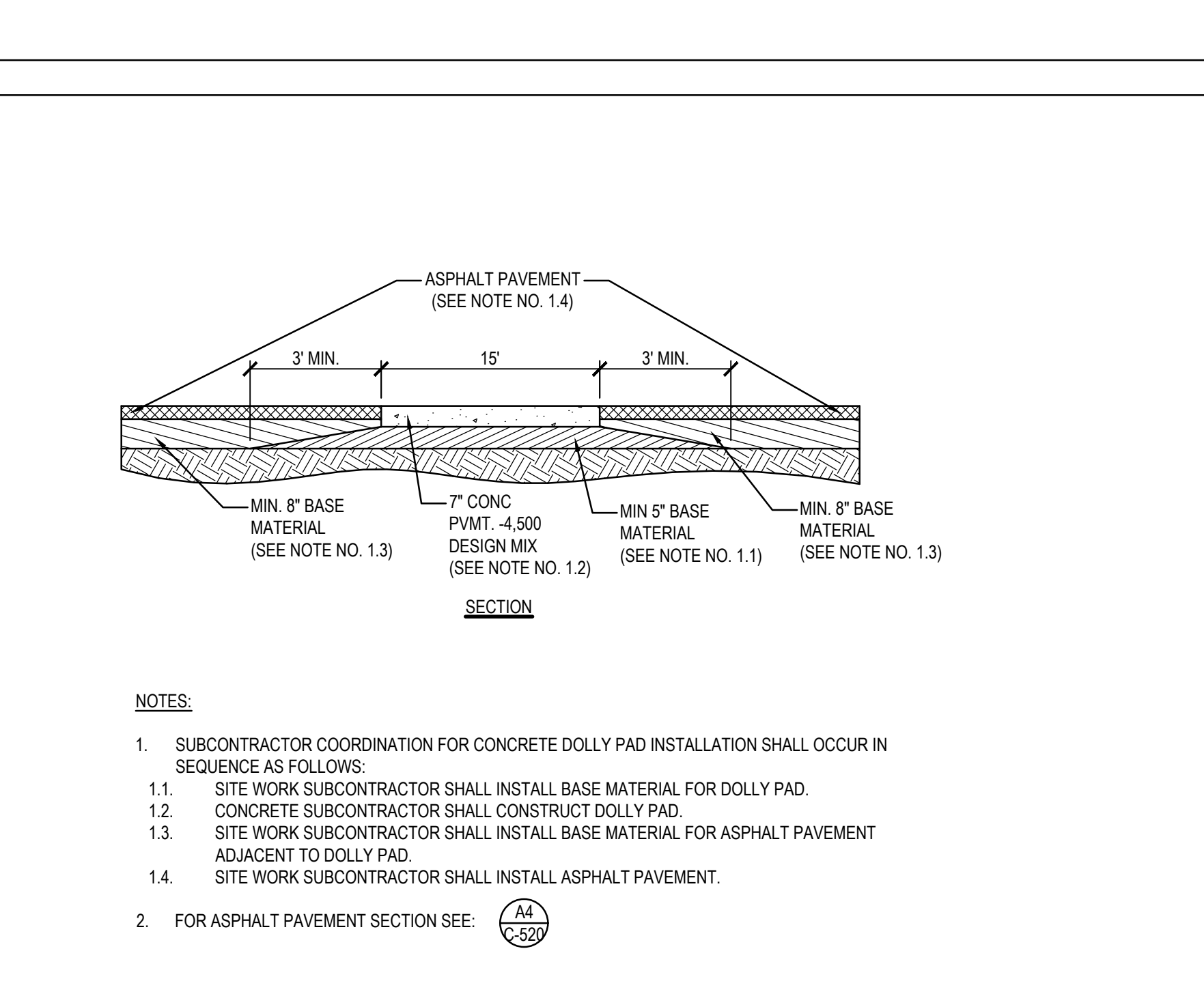
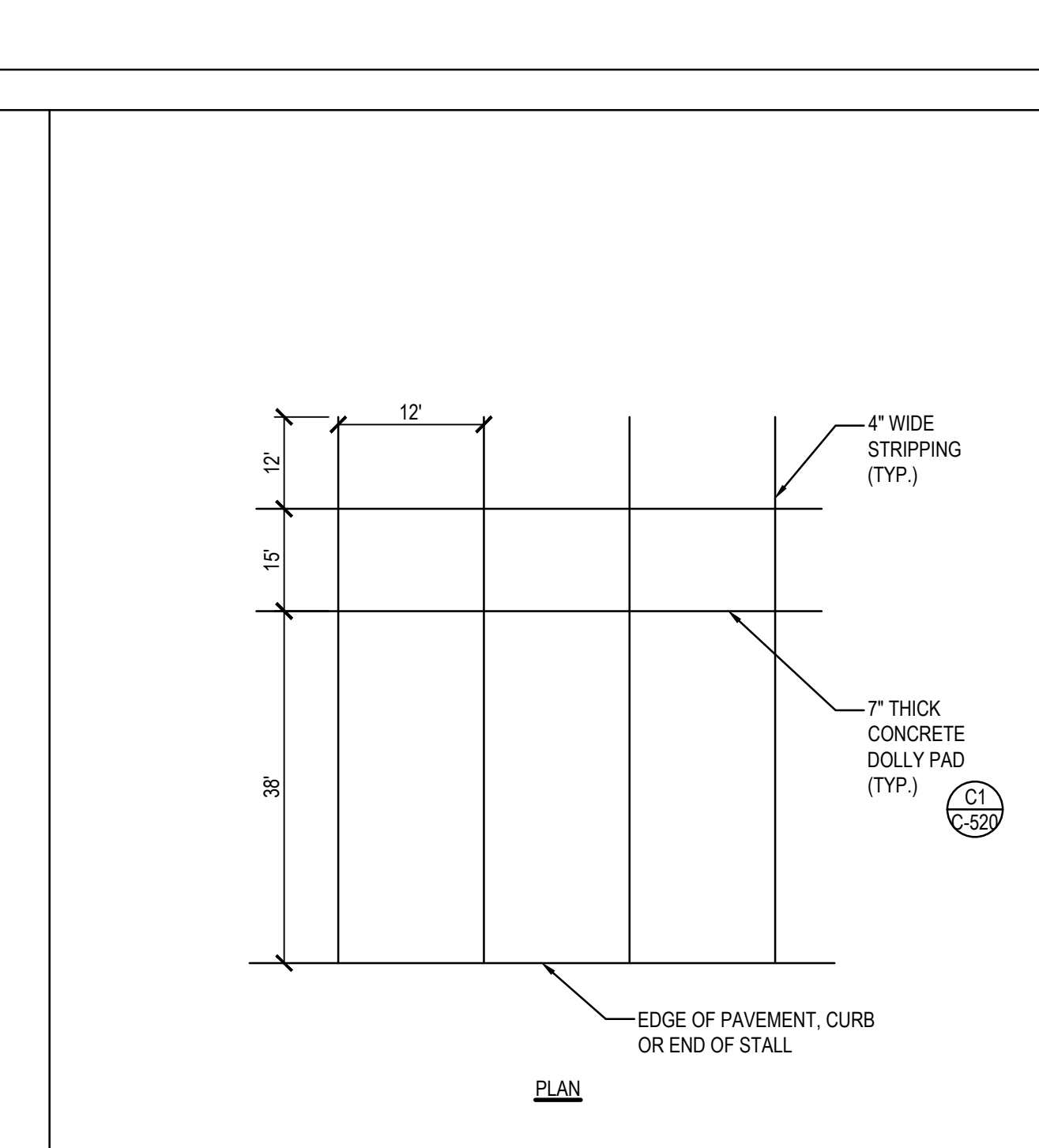
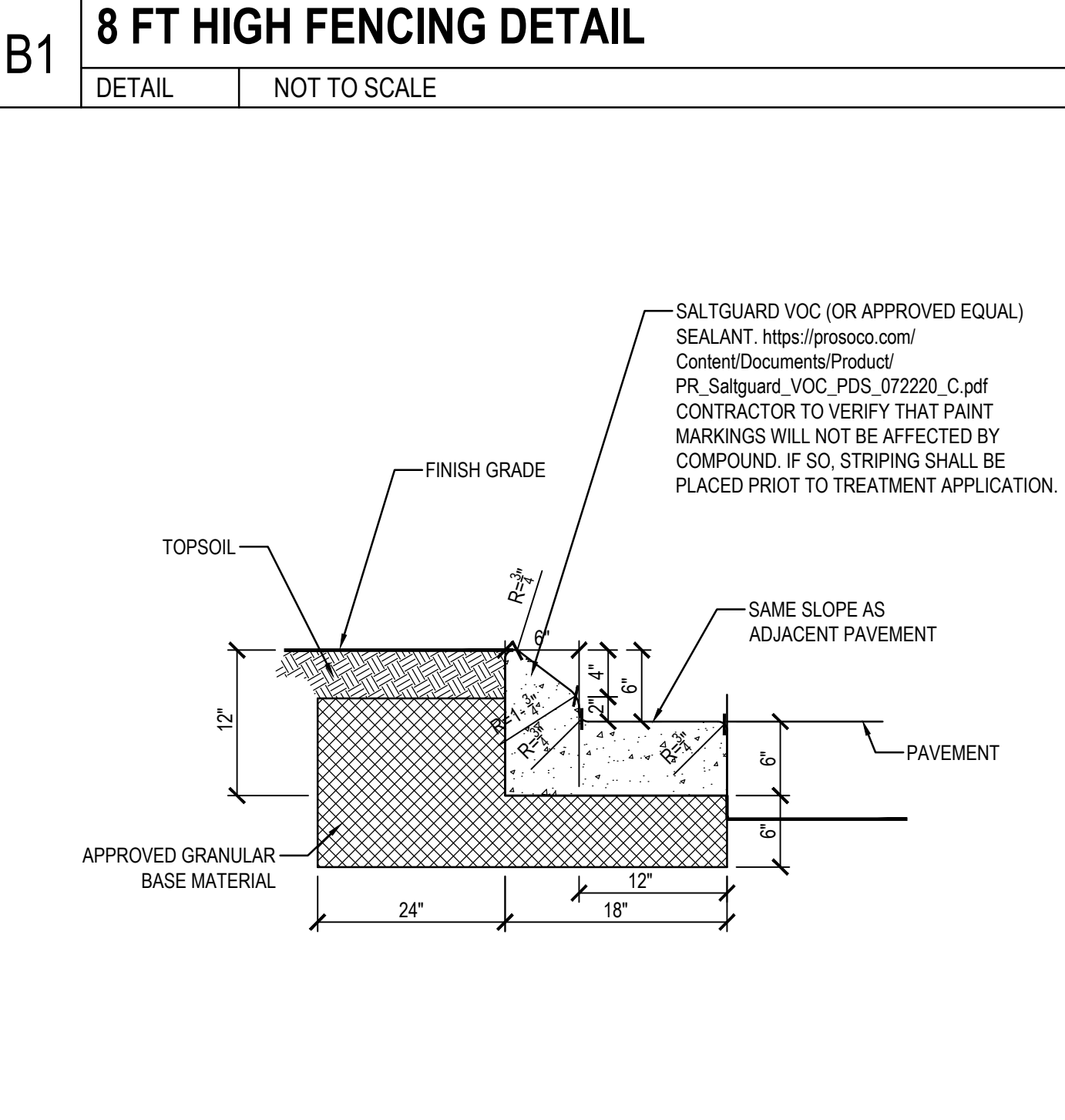
- 1-1/2" NOMINAL MAXIMUM AGGREGATE SIZE: 5-1/2 PERCENT.
- 1" OR 3/4" NOMINAL MAXIMUM AGGREGATE SIZE: 6 PERCENT.
- 1/2" NOMINAL MAXIMUM AGGREGATE SIZE: 7 PERCENT.
- 3/8" NOMINAL MAXIMUM AGGREGATE SIZE: 7-1/2 PERCENT.



C4 CONCRETE AUTO WHEEL STOP
 DETAIL NOT TO SCALE



B4 HANDICAPPED SIGN DETAIL
 DETAIL NOT TO SCALE



A1 CAPE COD CURB & GUTTER
 DETAIL NOT TO SCALE

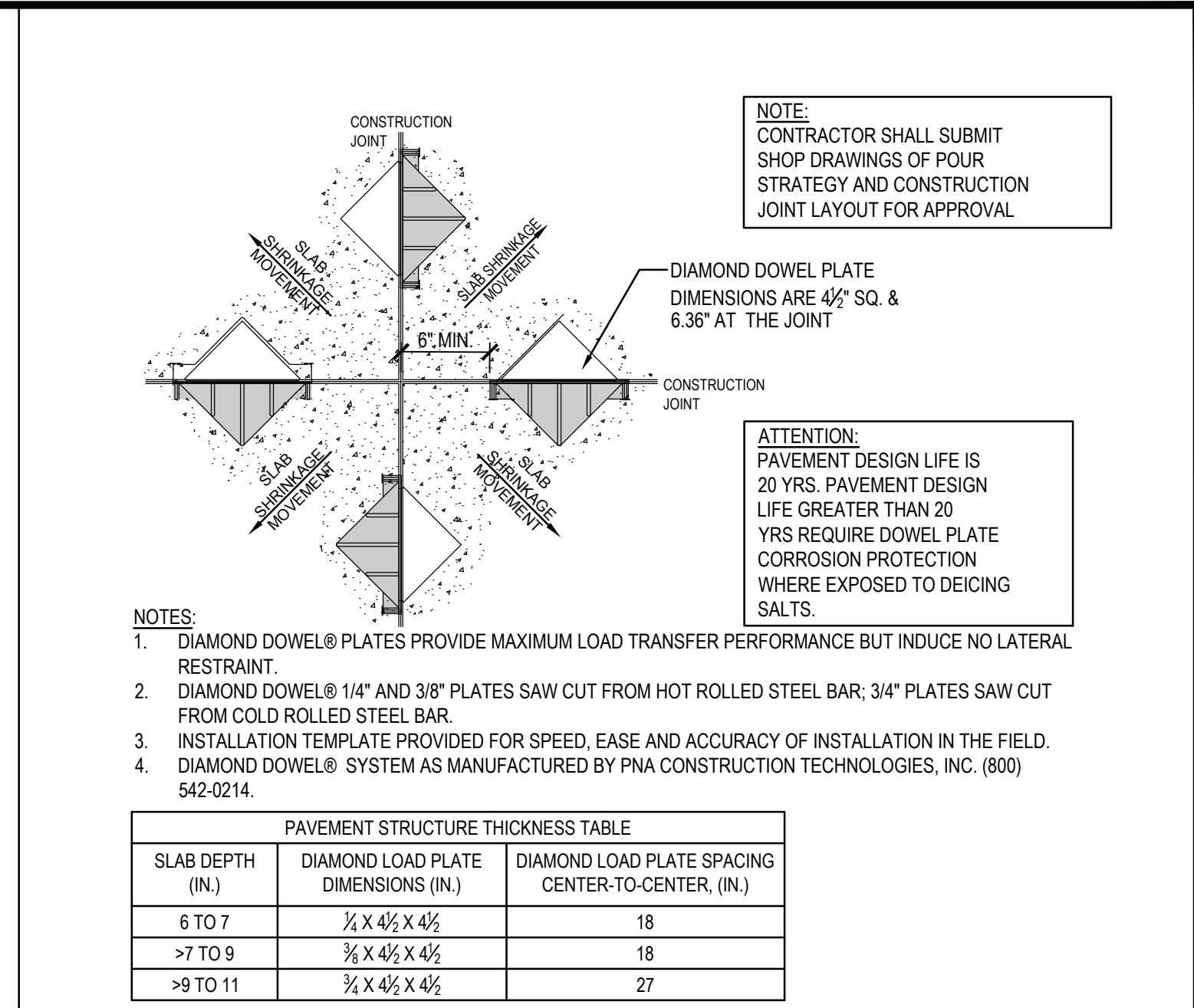
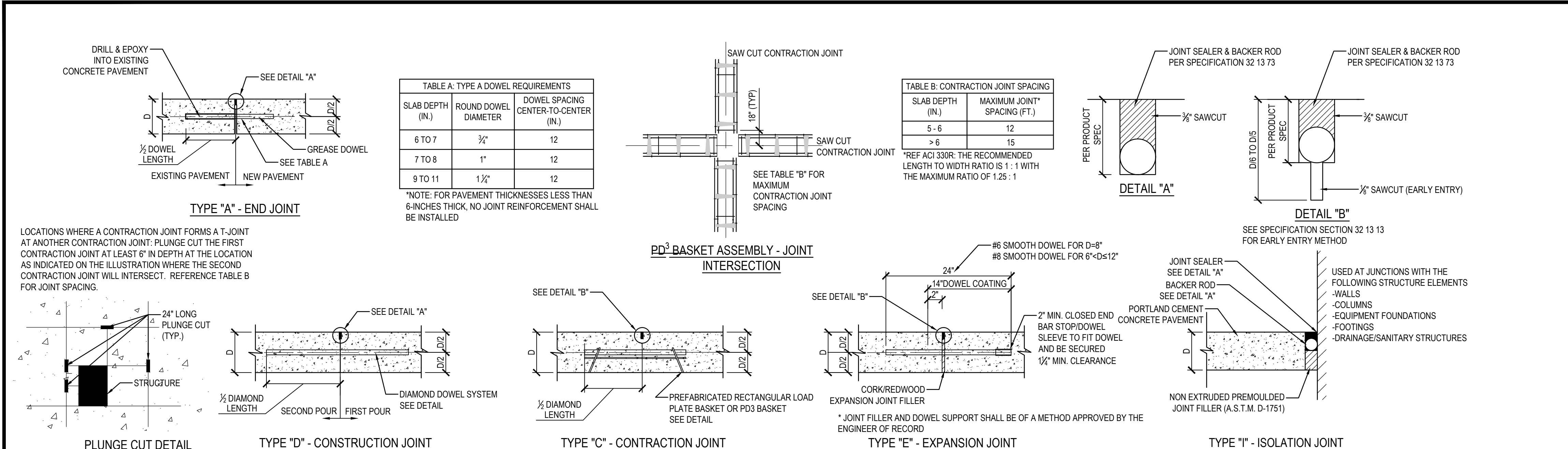
A2 CONCRETE DOLLY PAD DETAIL
 DETAIL NOT TO SCALE

A4 ASPHALT PAVEMENT SECTION WITHOUT CURB
 DETAIL NOT TO SCALE

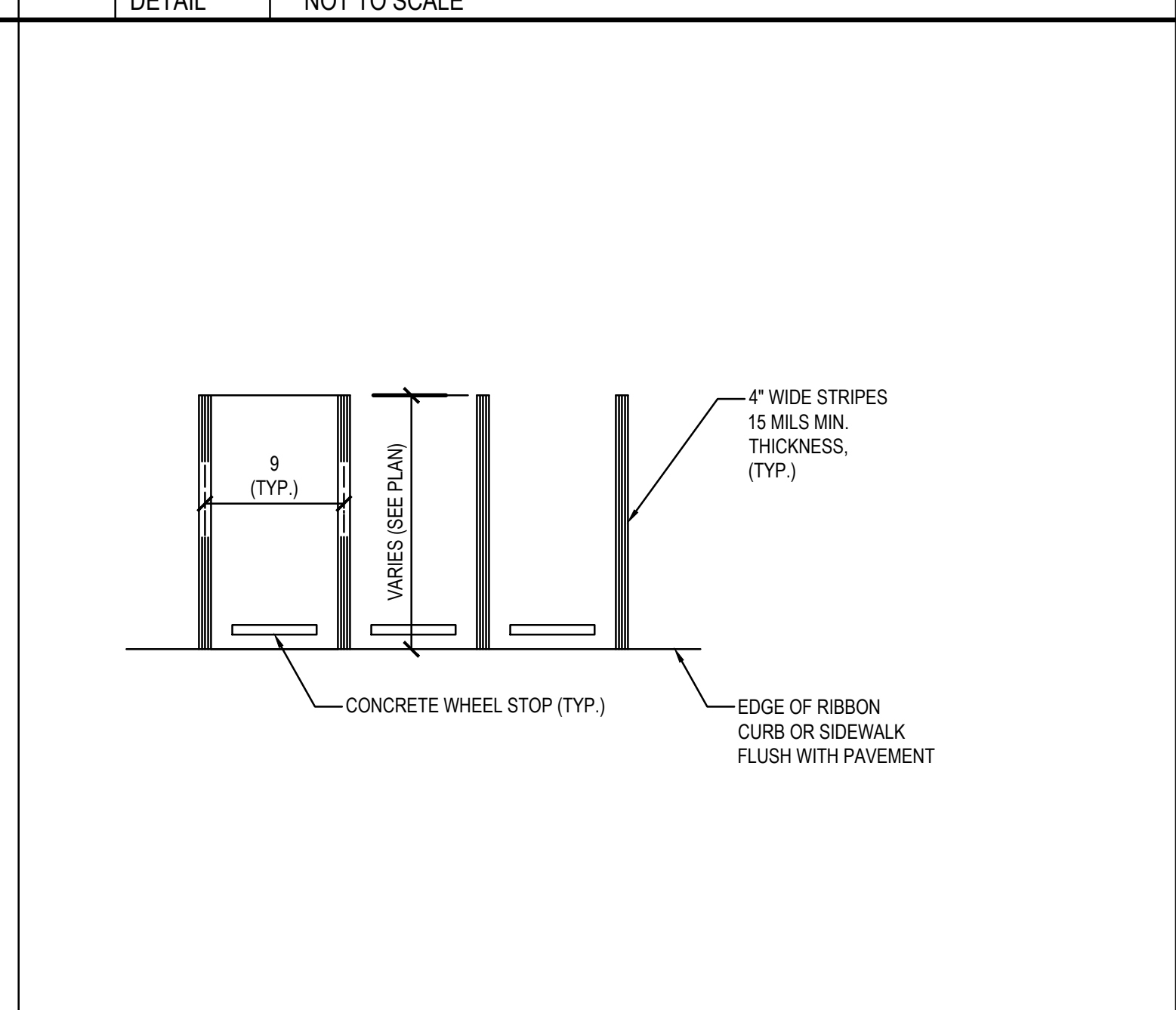
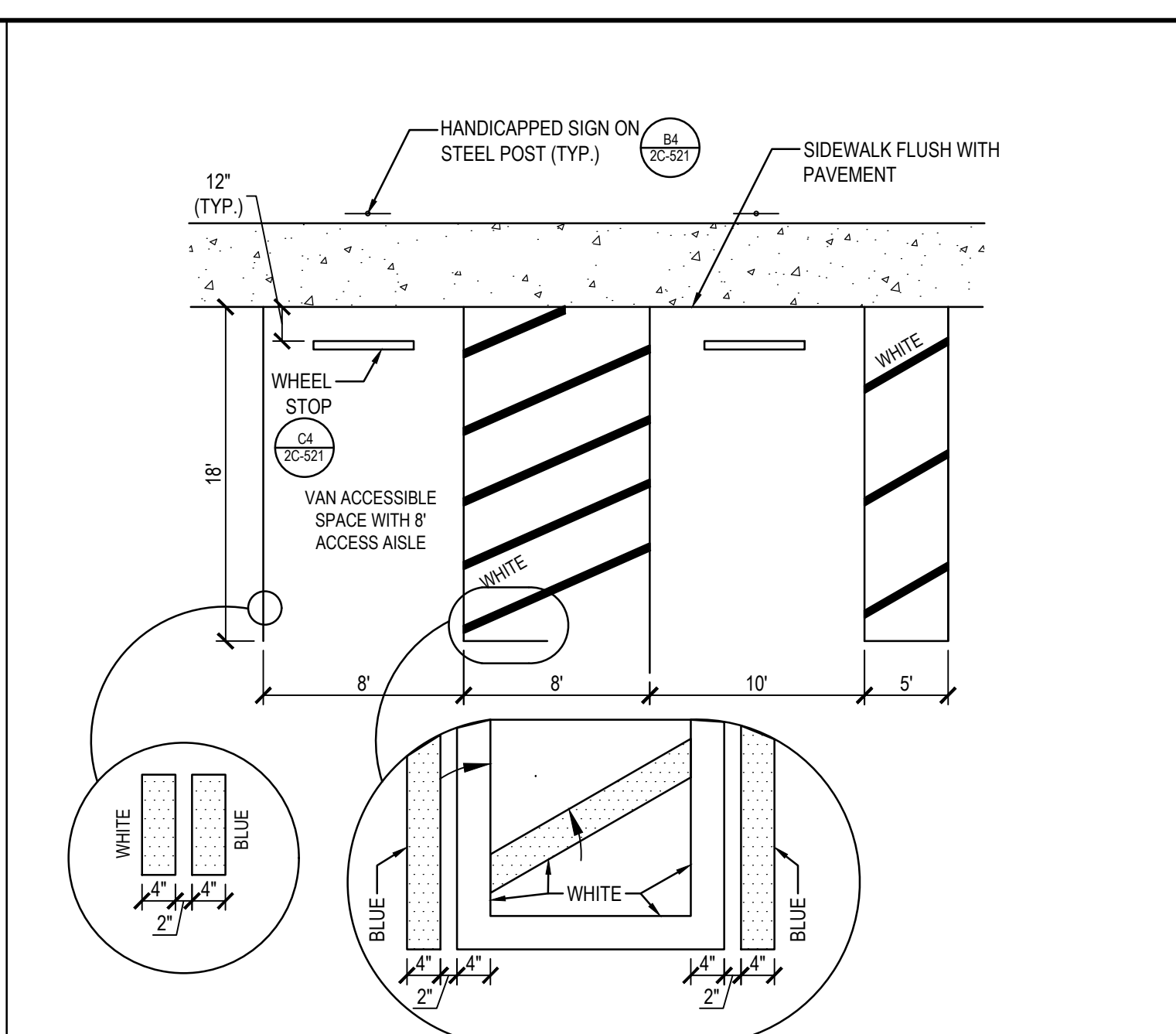
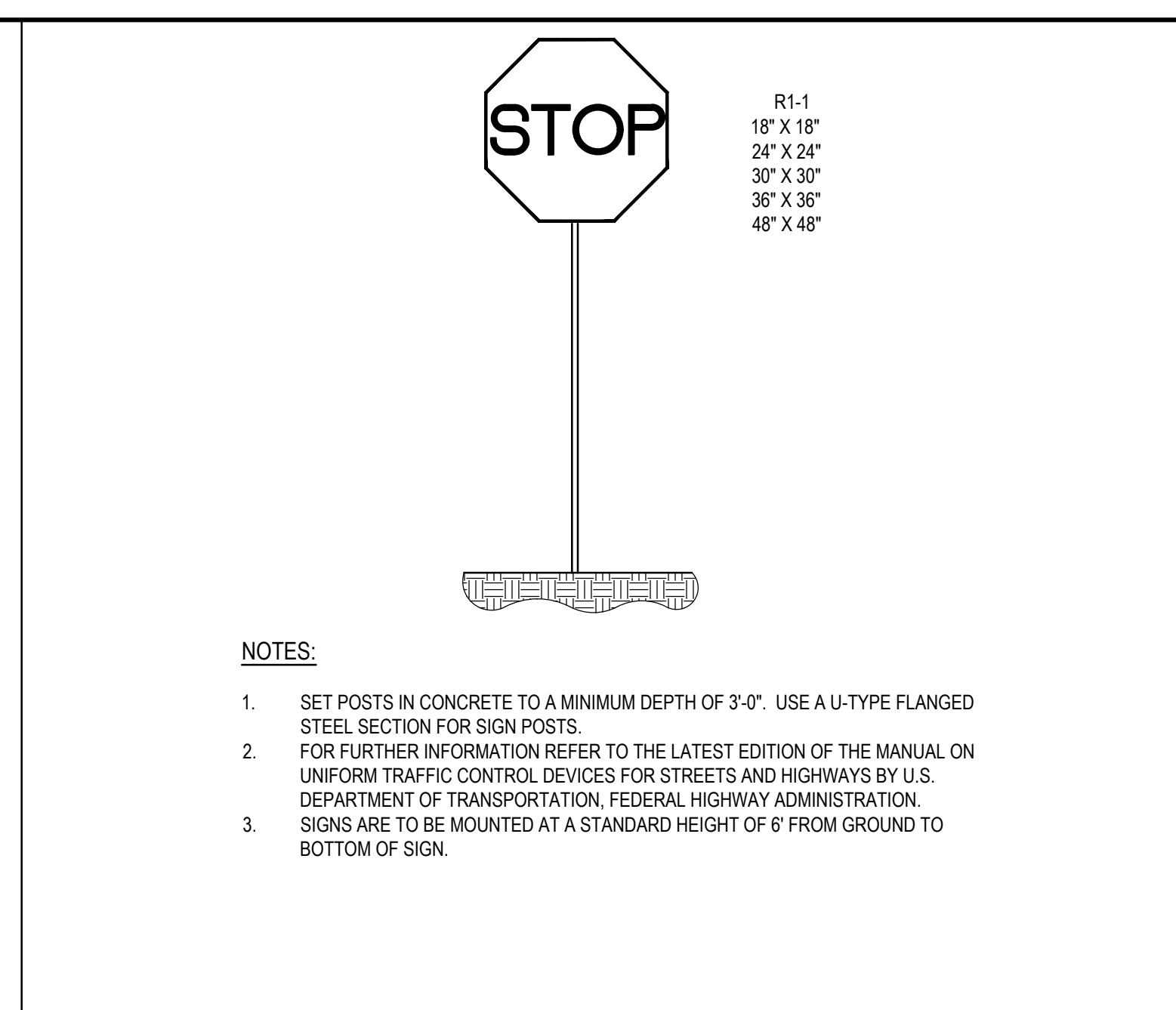
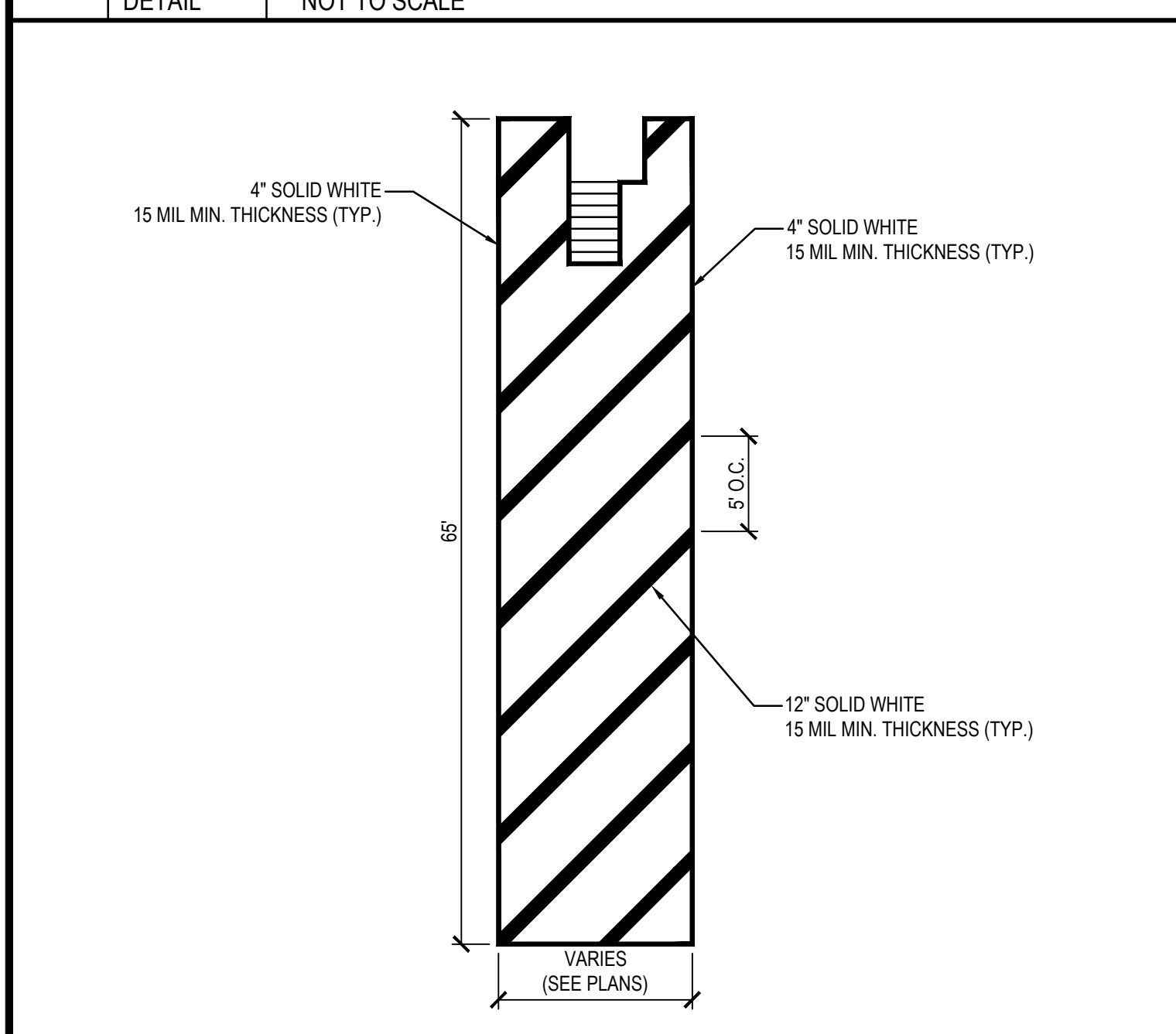
A4 ASPHALT PAVEMENT SECTION WITHOUT CURB
 DETAIL NOT TO SCALE

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HASKELL
 KILLINGLY, CONNECTICUT
FRITO-LAY
 KILLINGLY TRANSFORMATION
 REG. NO. 31834
 PRELIMINARY NOT FOR CONSTRUCTION
 No DESCRIPTION DATE
 BB PROG. ISSUE 01/14/22
 Z P&Z SUBMISSION 11/05/21
 Y Progress Issue #3 11/05/21
 V Progress Issue #2 09/20/21
 R Progress Issue #1 09/13/21
 Q P&Z CI 09/05/21
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 AE JOB NUMBER: 3401365
GEOMETRY DETAILS
2C-521
 SHEET NUMBER

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 XREF: 3401365201.LOFTILE - Phase 2 Upper Lay P:\340_FoodBev\3401365 File Lay Project\KnightDesign\Working\Drawings\20-522.dwg Layout Name: 2C-522 Jan 14, 2022 - 11:52am PLOTTED BY: MSJ\joms



C1 CONCRETE JOINT DETAIL **C4 DIAMOND DOWEL DETAIL**

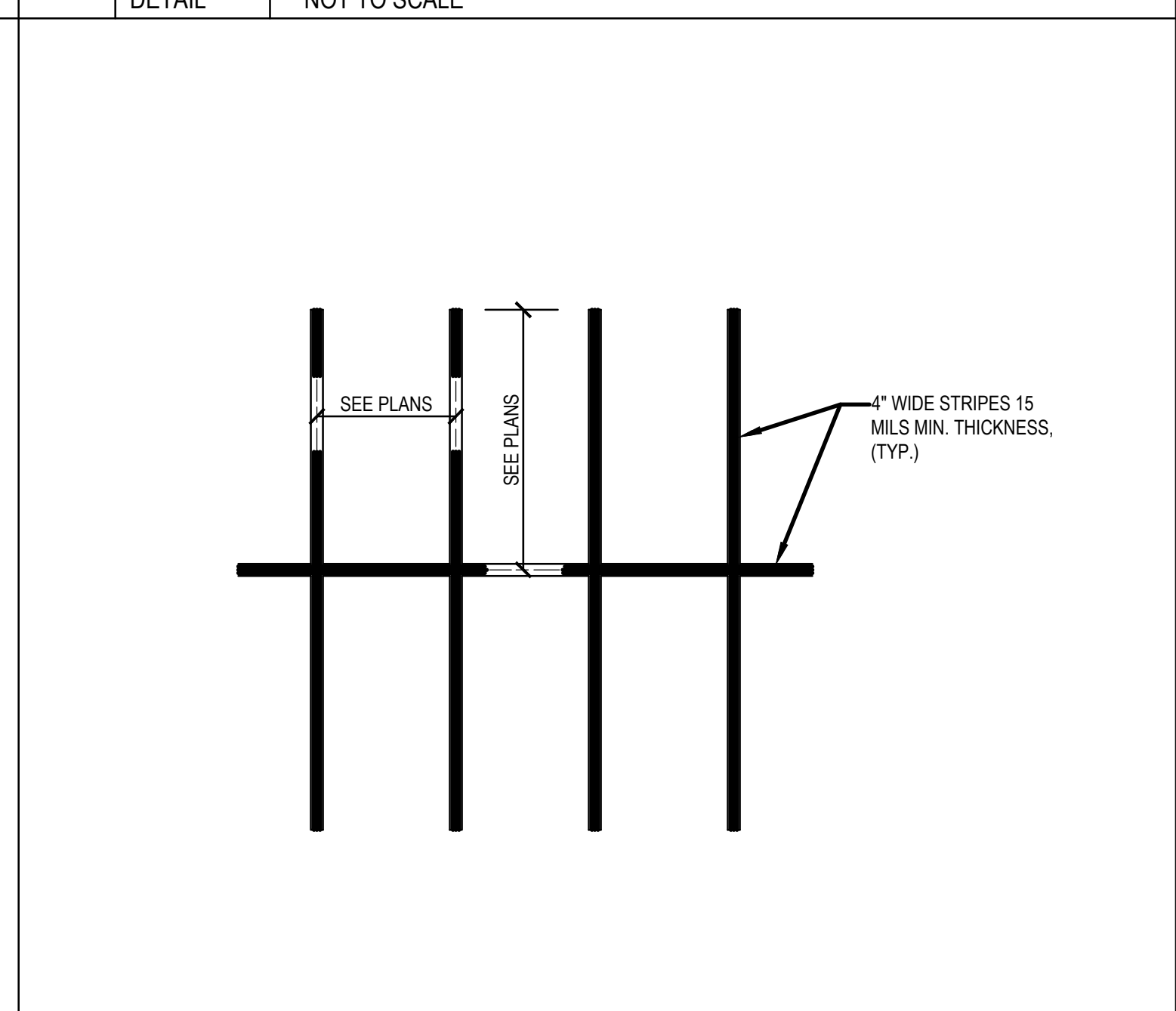
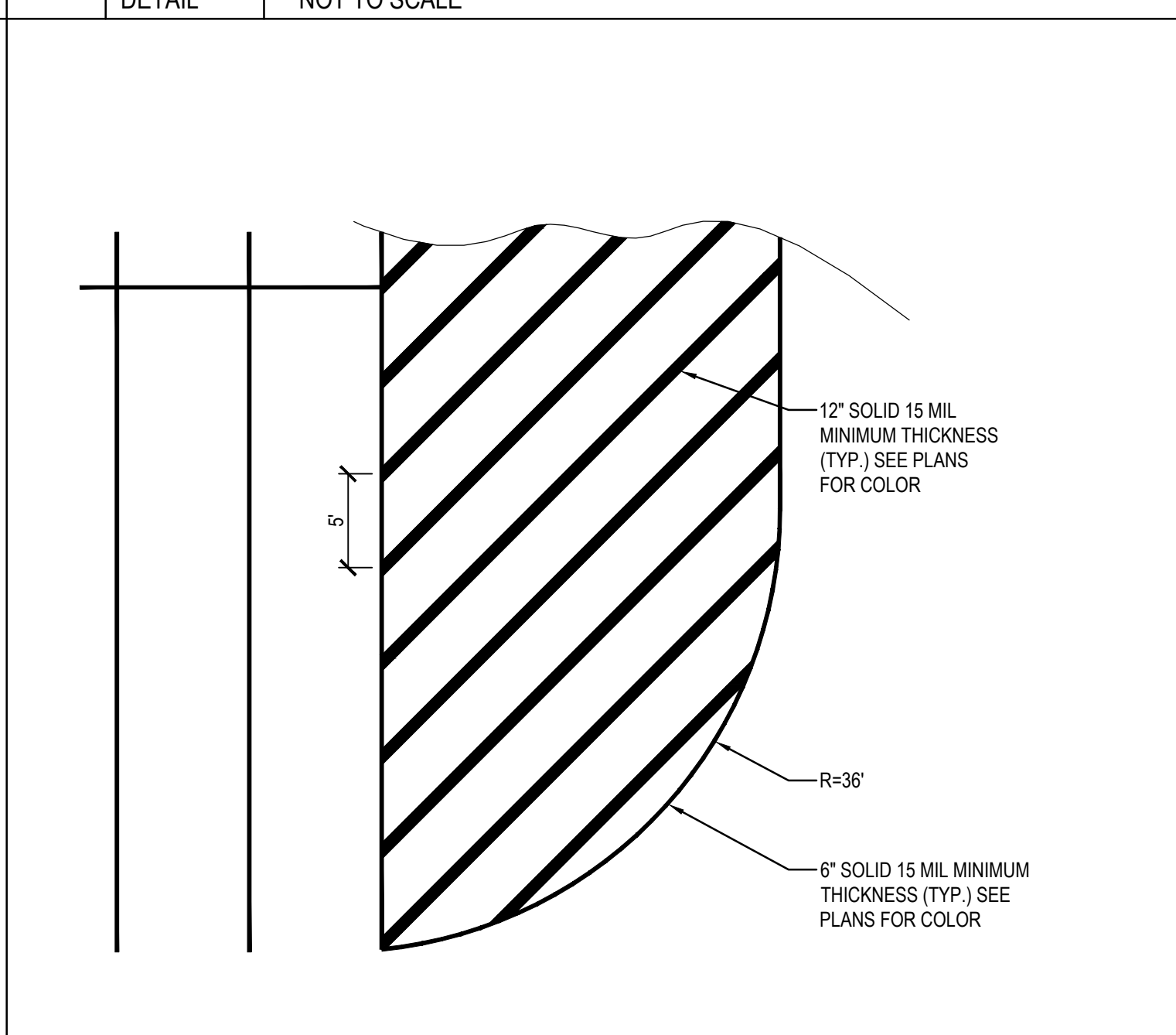
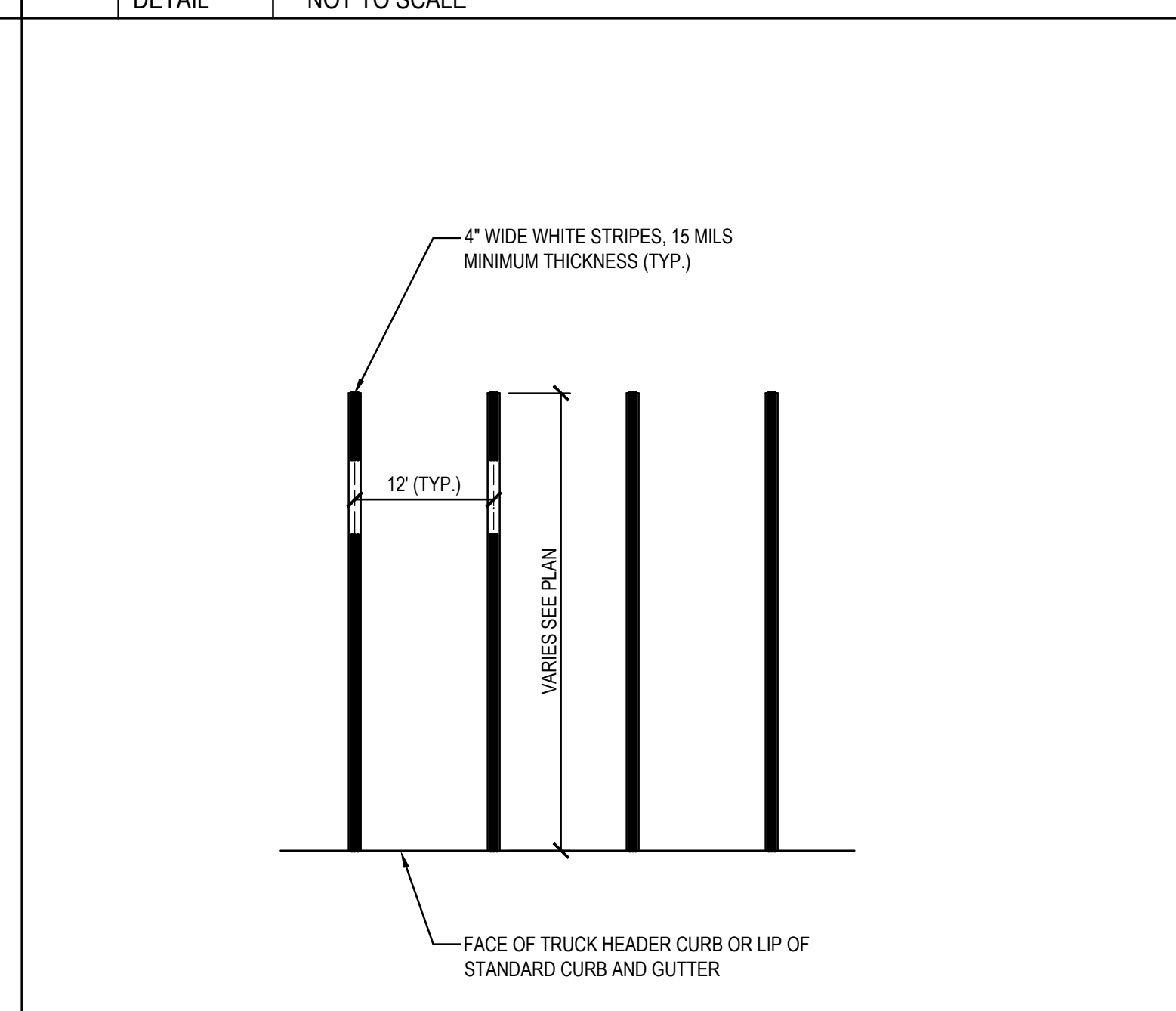
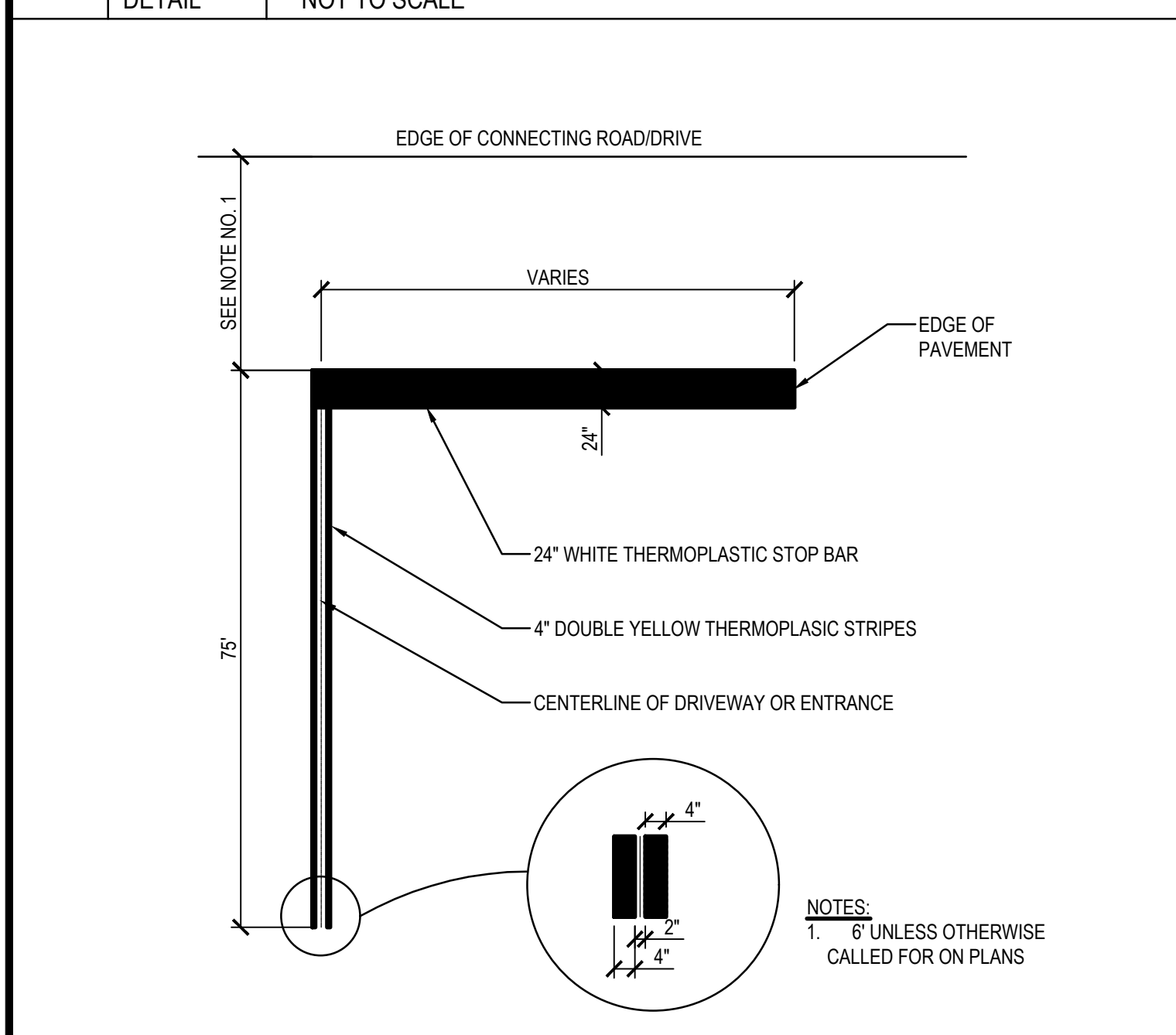


B1 DOCK AREA GORE STRIPING

B2 STOP SIGN DETAIL

B3 HANDICAPPED PARKING DETAIL - 12' VAN STALL

B4 PARKING STRIPING DETAIL



A1 STOP BAR DETAIL

A2 TRAILER PARKING STRIPING DETAIL

A3 TRUCK PARKING ISLAND GORE STRIPING

A4 STRIPING AUTO PARKING

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FRITO-LAY
KILLINGLY TRANSFORMATION
 KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
V	Progress Issue #2	09/20/21
R	Progress Issue #1	08/13/21
Q	P&Z CI	09/05/21

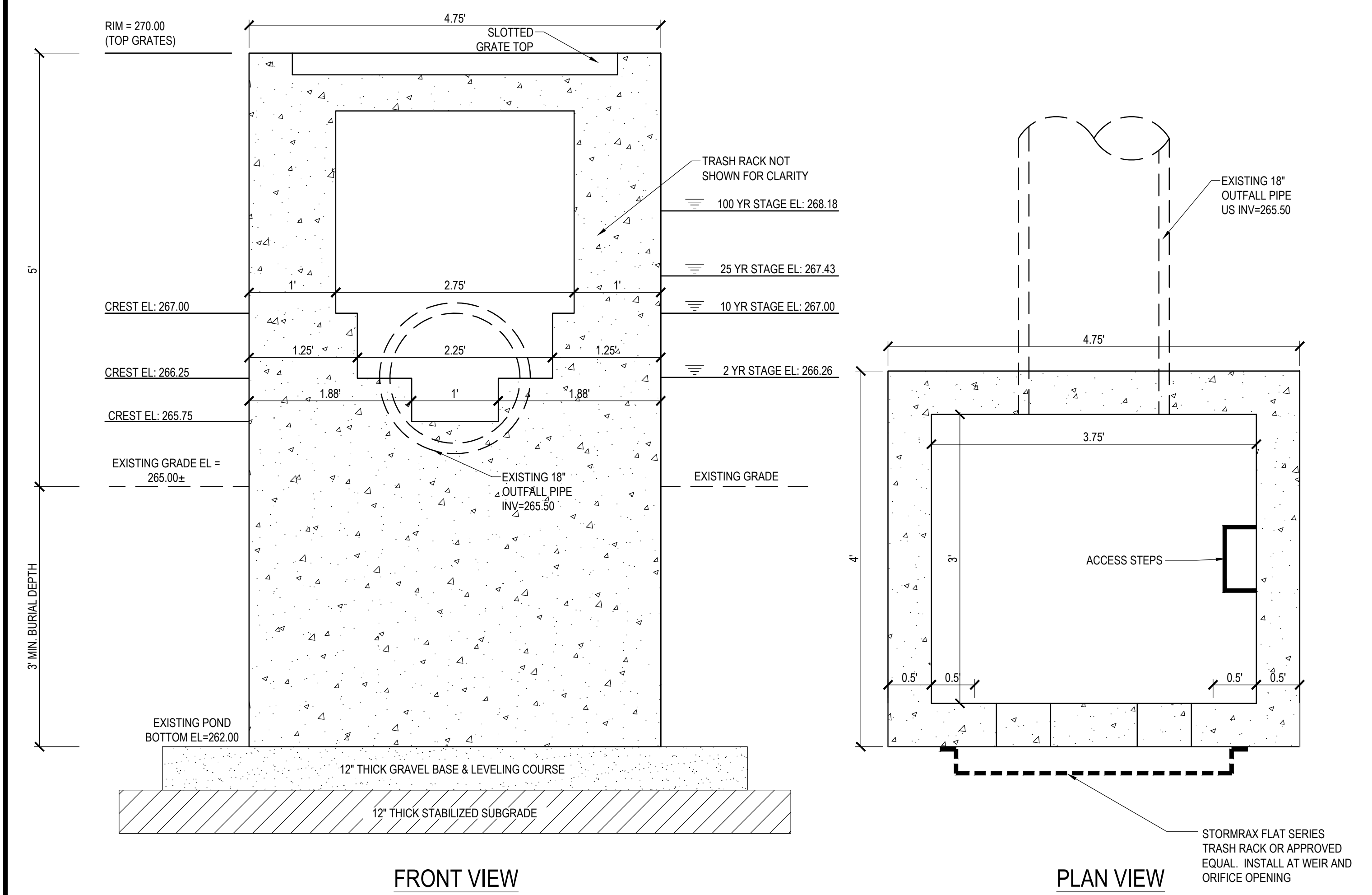
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GEOMETRY DETAILS
2C-522
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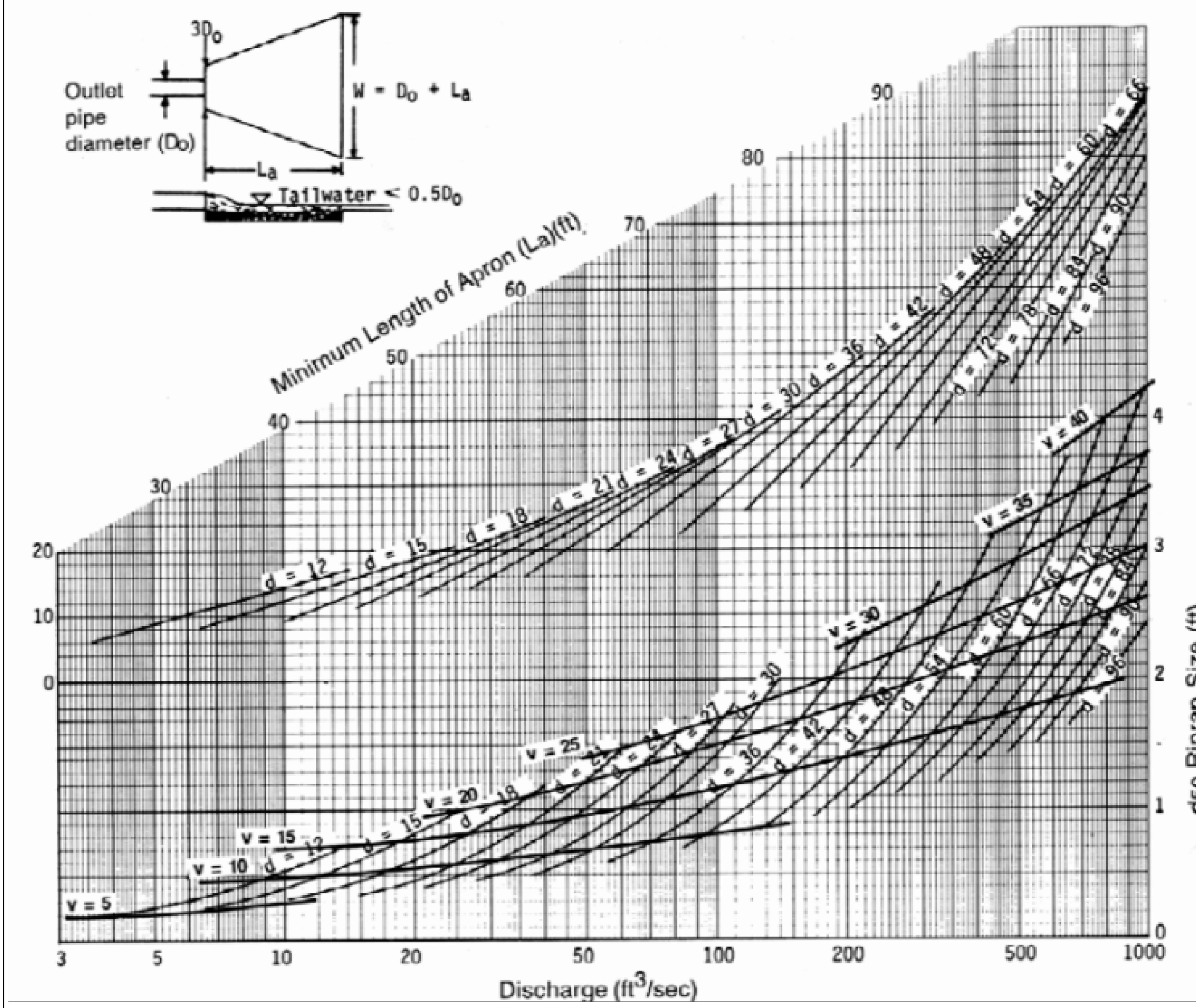
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C1 X
DETAIL NOT TO SCALE



A1 XDA-DET-2 - CONTROL STRUCTURE
DETAIL NOT TO SCALE

C3 X
DETAIL NOT TO SCALE



A3 DESIGN OF RIP-RAP OUTLET PROTECTION
DETAIL NOT TO SCALE

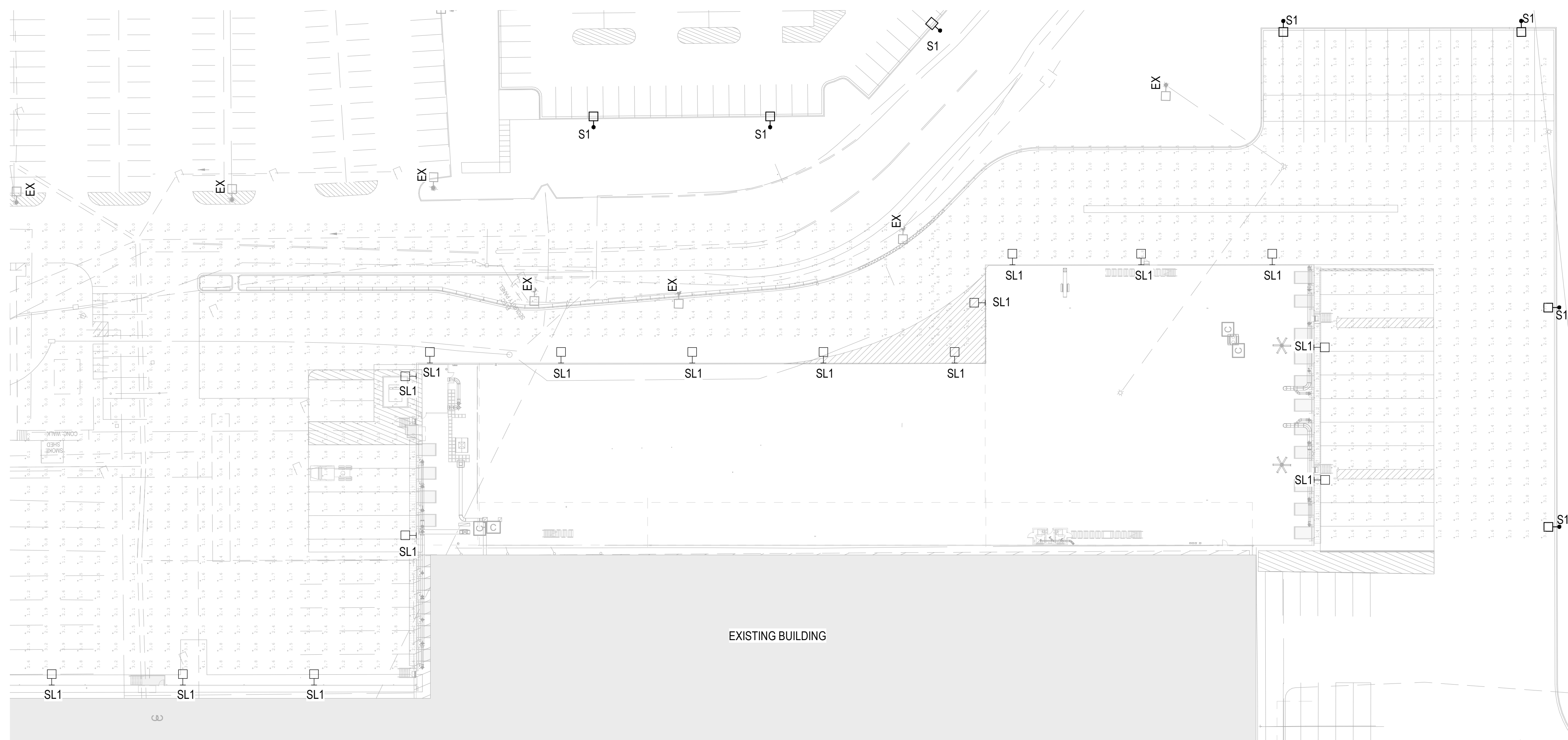
C4 X
DETAIL NOT TO SCALE

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FRITO-LAY
KILLINGLY TRANSFORMATION
 KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
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V	Progress Issue #2	09/20/21
R	Progress Issue #1	08/13/21
Q	P&Z CI	09/05/21

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GRADING AND DRAINAGE DETAILS
2C-542
 SHEET NUMBER



1 ASRS / LOW BAY PARKING LIGHTING PLAN
1" = 40'-0"

LUMINAIRE SCHEDULE ASRS/LOW BAY PARKING								
TYPE	MFG	CATALOG NUMBER	FIXTURE DESCRIPTION	INPUT			MTG	REMARKS
				WATTS	VA	VOLTS		
S1	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	P&Z
S1B	LITHONIA	DSX1-P5-50K-TFTM-BLC-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE(WITH BACKLIGHT CUT-OFF OPTIC)	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	P&Z
S2	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE	276 W	276 VA	277 V	18' POLE, 2' BASE, UON	P&Z
SL1	LITHONIA	RSX2-P4-50K-R4-MVOLT-WBA-DLL127F 1.5 JU	LED SITE LIGHTING FIXTURE WITH PHOTOCCELL(25,329LM)	187 W	187 VA	277 V	20'-0" AFG, WALL MOUNTED	P&Z

DEMOLITION NOTES:

EX, XR = EXISTING SHALL REMAIN

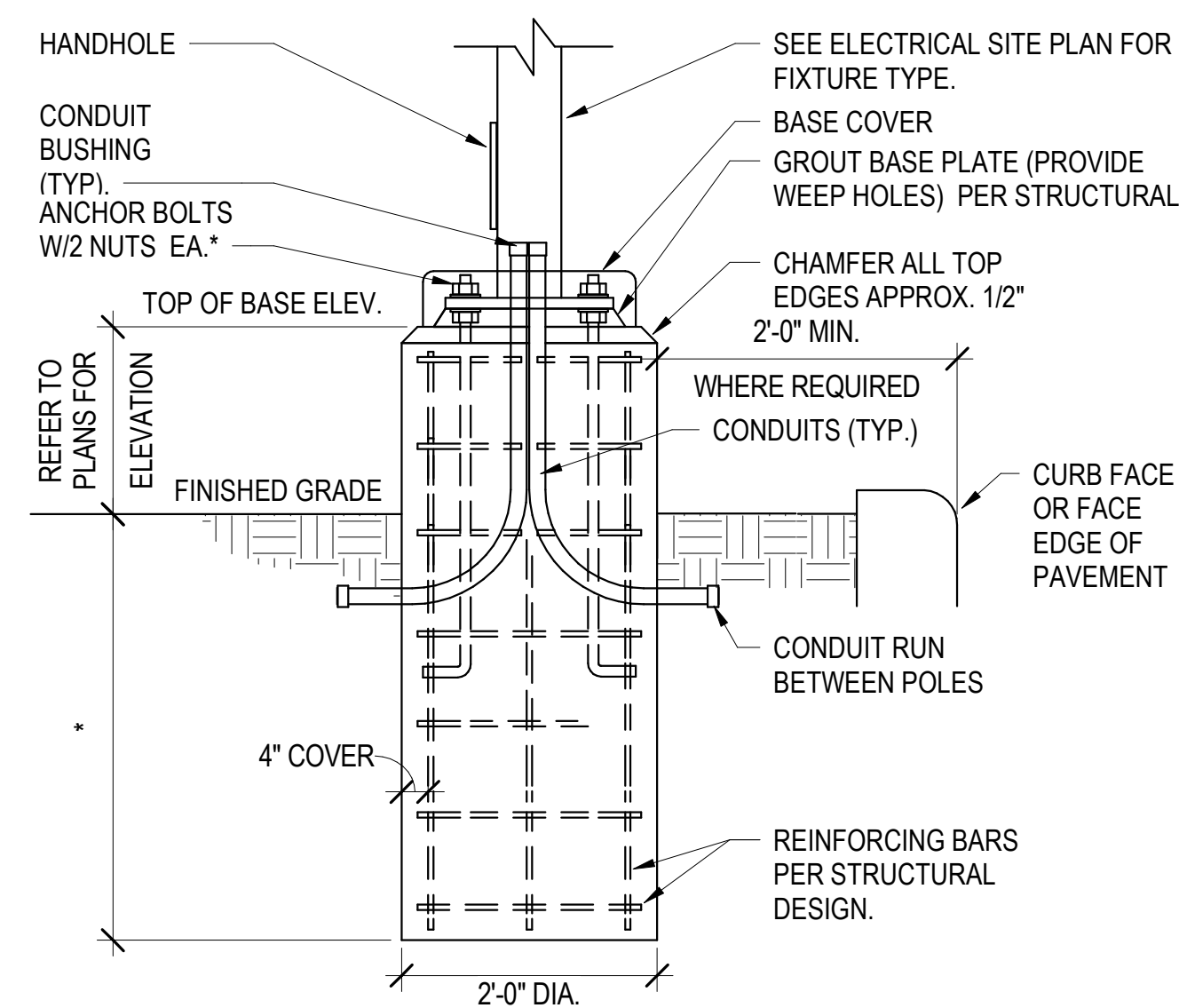
XD = EXISTING SHALL BE REMOVED

XM = EXISTING SHALL BE MOVED TO NEW LOCATION

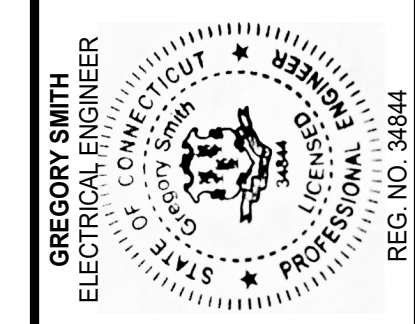
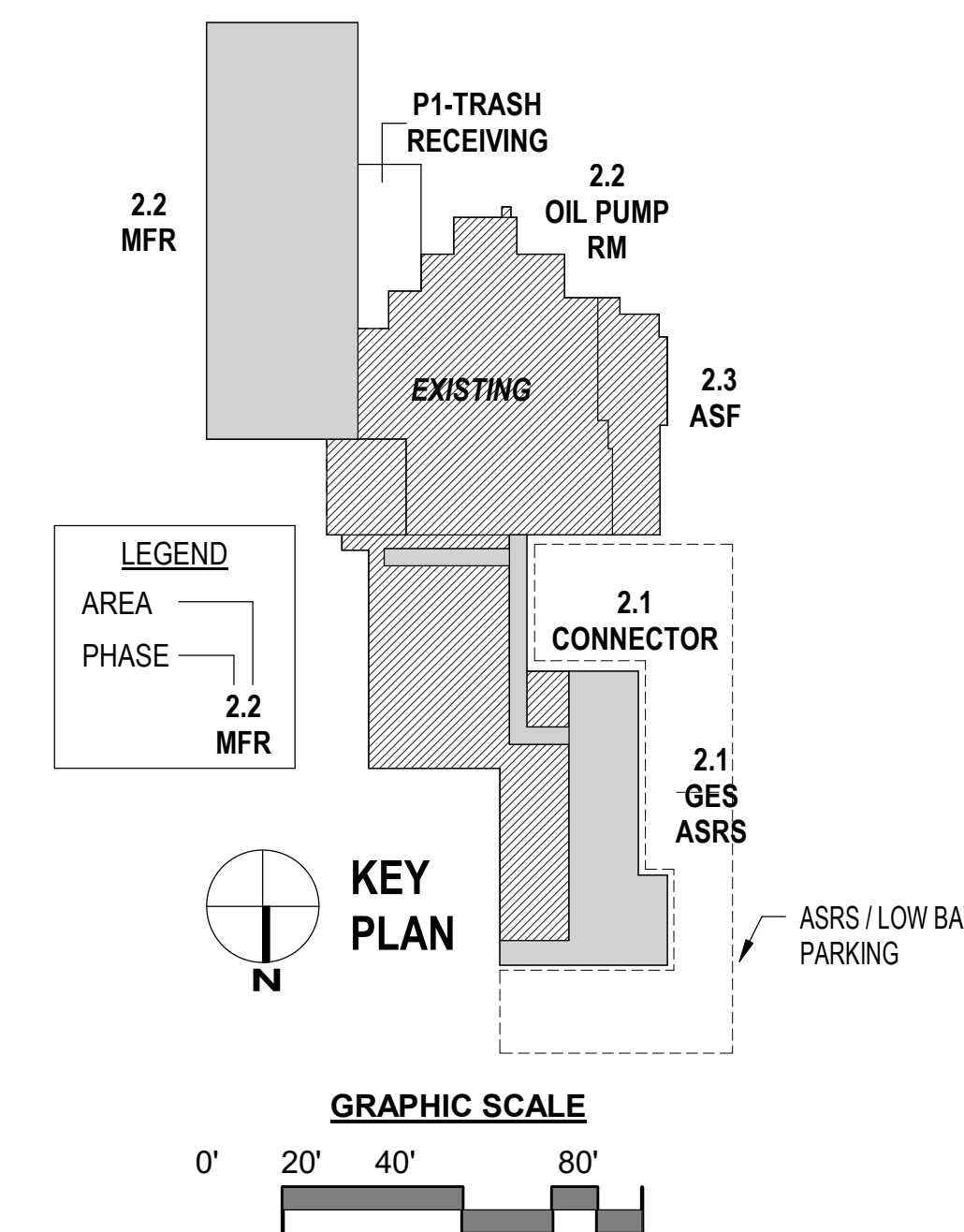
XP = EXISTING IN RELOCATED LOCATION

NOTE 1: UNLESS LOCATED WITHIN DEMO AREA, EXISTING ITEMS NOT SHOWN SHALL REMAIN AS INDICATED

NOTE 2: THE REMOVAL, REPLACEMENT, OR RELOCATION OF EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, UON.



2 SITE POLE BASE
DETAIL
NOT TO SCALE



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CONNECTICUT - Architecture and Engineering # 0000056



FRITO-LAY KILLINGLY
TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
4.1	P&Z SUBMISSION	12/10/2021
BB	PROG ISSUE	01/14/2022

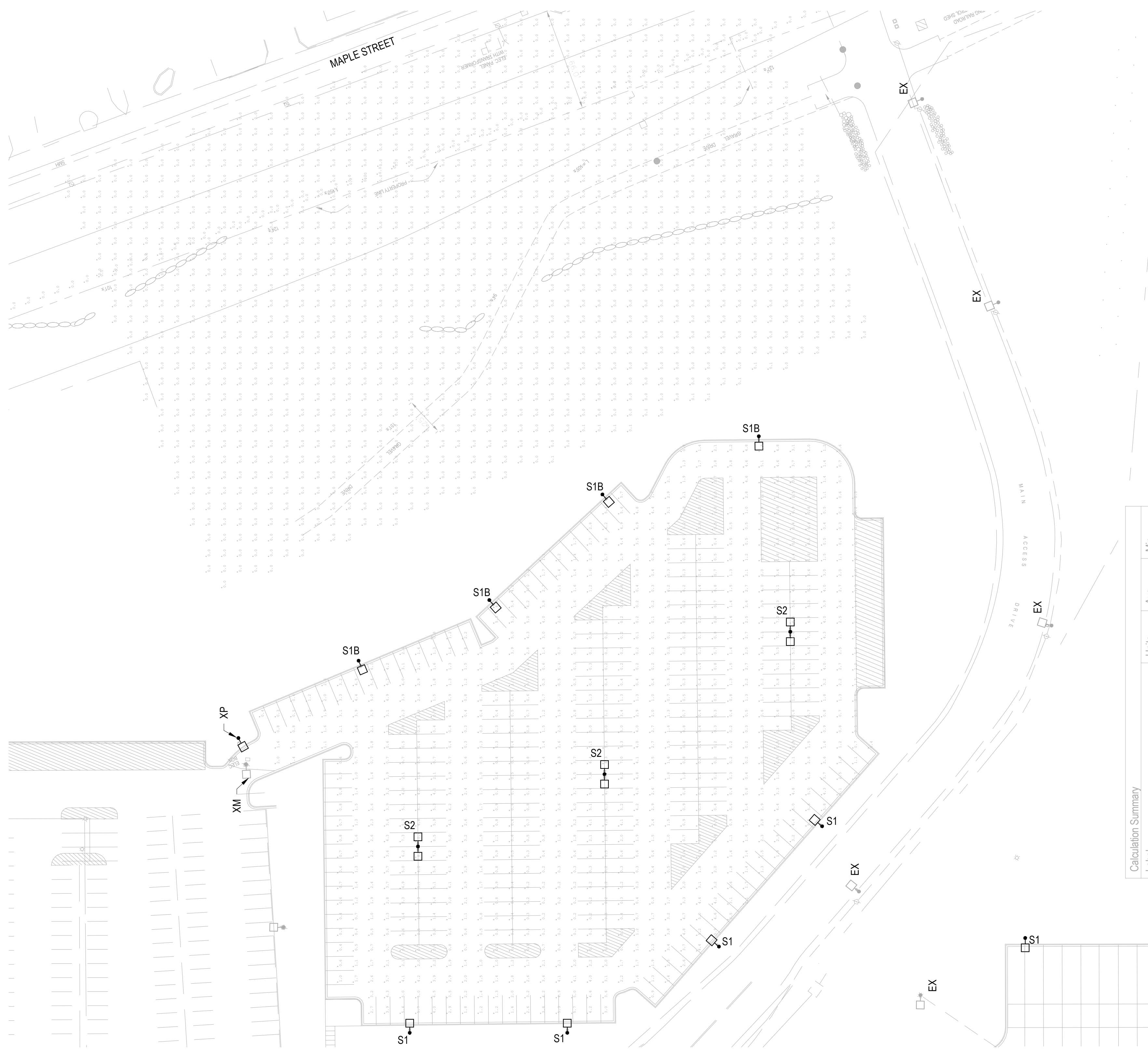
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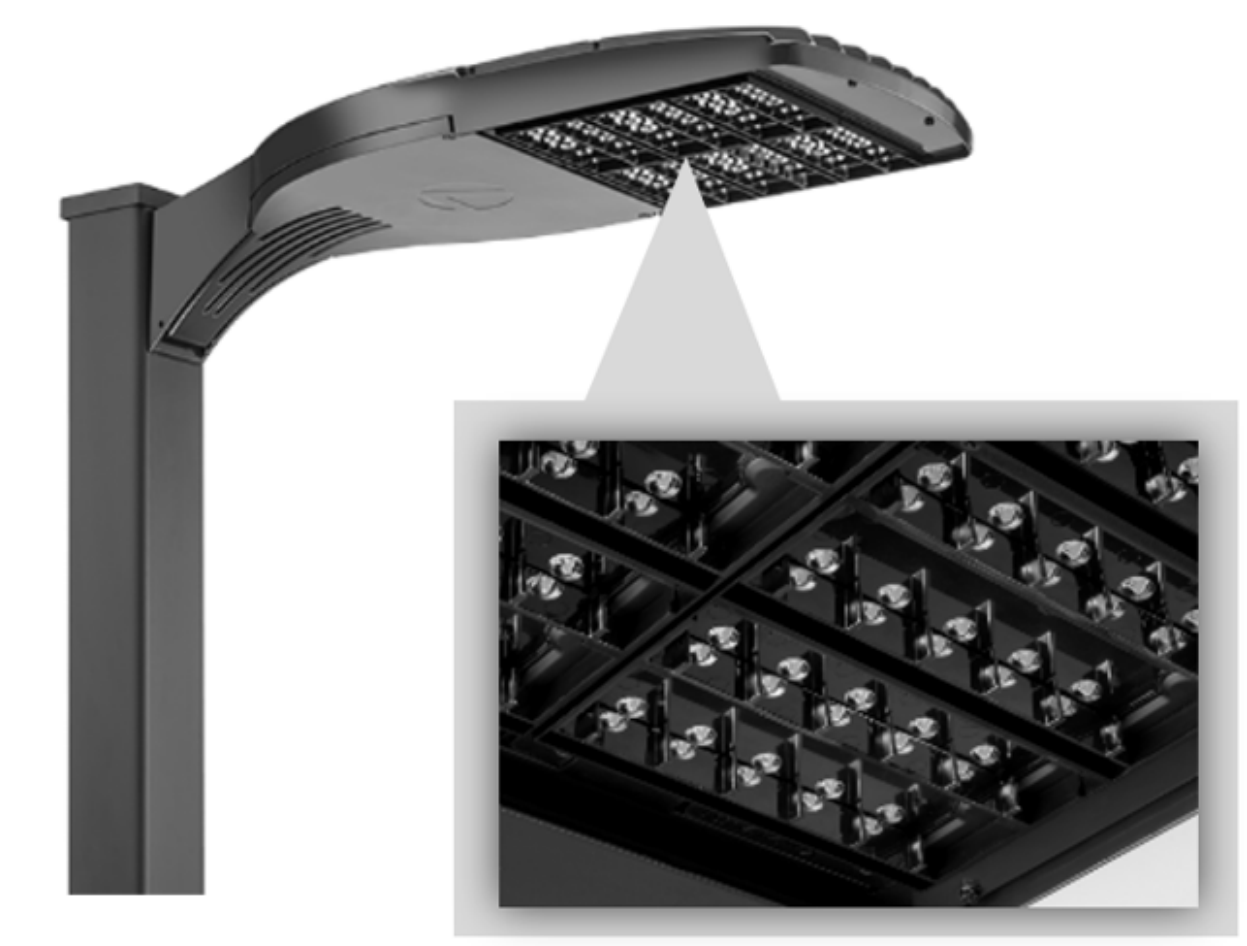
ASRS / LOW BAY
PARKING
LIGHTING PLAN

2E-121
SHEET NUMBER



1 AUTO PARKING LIGHTING PLAN
1" = 40'-0"

LUMINAIRE SCHEDULE - AUTO PARKING								
TYPE	MFG	CATALOG NUMBER	FIXTURE DESCRIPTION	INPUT			MTG	REMARKS
				WATTS	VA	VOLTS		
S1	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	P&Z
S1B	LITHONIA	DSX1-P5-50K-TFTM-BLC-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE(WITH BACKLIGHT CUT-OFF OPTIC)	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	P&Z
S2	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-DDBXD	LED SITE LIGHTING LUMINAIRE	276 W	276 VA	277 V	18' POLE, 2' BASE, UON	P&Z
SL1	LITHONIA	RSX2-P4-50K-R4-MVOLT-WBA-DLL127F 1.5 JU	LED SITE LIGHTING FIXTURE WITH PHOTOCELL(25,329LM)	187 W	187 VA	277 V	20'-0" AFG, WALL MOUNTED	P&Z

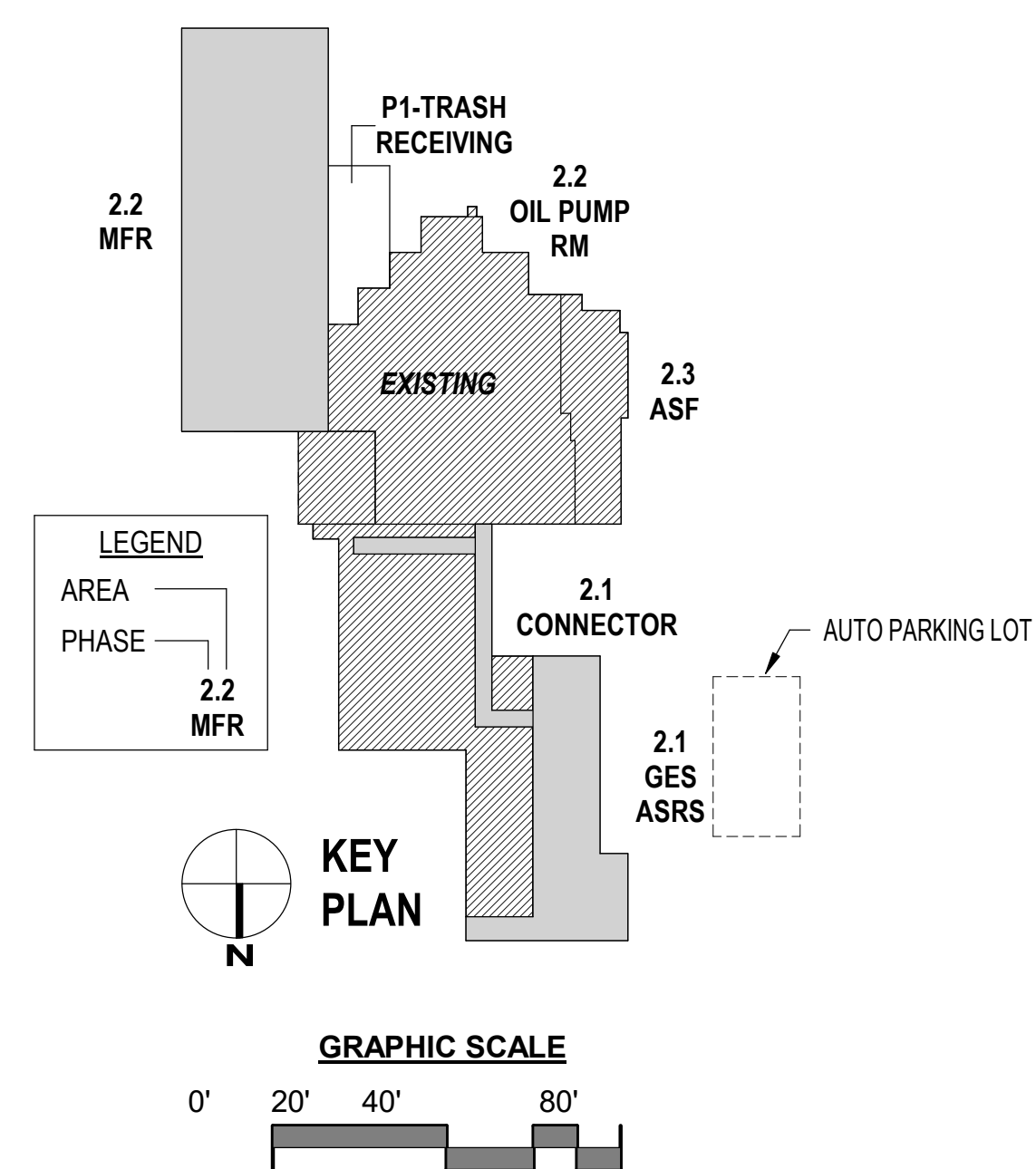


LUMINAIRE TYPE S1B DETAIL - BACKLIGHT CUTOFF CONTROL OPTIC

NOT TO SCALE

DEMOLITION NOTES:

- EX, XR = EXISTING SHALL REMAIN
 - XD = EXISTING SHALL BE REMOVED
 - XM = EXISTING SHALL BE MOVED TO NEW LOCATION
 - XP = EXISTING IN RELOCATED LOCATION
- NOTE 1: UNLESS LOCATED WITHIN DEMO AREA, EXISTING ITEMS NOT SHOWN SHALL REMAIN AS INDICATED
- NOTE 2: THE REMOVAL, REPLACEMENT, OR RELOCATION OF EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, UON.



GREGORY SMITH
ELECTRICAL ENGINEER
REG. NO. 34844

HASKELL ARCHITECTS and ENGINEERS, P.C.
CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company
111 Riverside Avenue
Jacksonville, Florida 32202
Phone # (904) 791-4500

HASKELL

FRITO-LAY KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
4.1	P&Z SUBMISSION	12/10/2021
BB	PROG ISSUE	01/14/2022

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DRAWN Author	CHECKED Checker
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AE JOB NUMBER
3401365

AUTO PARKING LIGHTING PLAN

2E-125
SHEET NUMBER

PLANT LIST					
QTY	SYMBOL	NAME	COMMON NAME	SIZE	NOTES
5	JV	JUNIPERUS VIRGINIANA	RED CEDAR	2" CAL	6-8' HTS STAGGERED B&B
5	PG	PICEA GLAUCA	WHITE SPRUCE	2" CAL	6-8' HTS B&B

JOSHUA R. HOUGH
CHALLENGER

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Jacksonville, Florida 32202
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FRITO-LAY
KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
Z	P&Z Submission	11/05/21
Y	Progress Issue #3	11/05/21

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LANDSCAPE PLAN

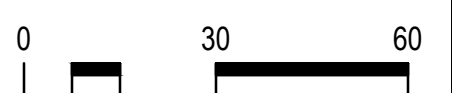
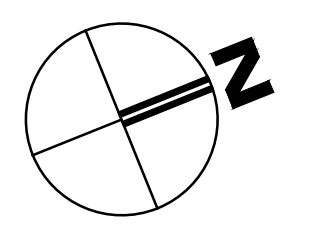
2L-120
SHEET NUMBER



LEGEND

- WHITE SPRUCE
- RED CEDARS
- EXISTING TREES TO REMAIN

NO PERMANENT IRRIGATION REQUIRED.
SUBCONTRACTOR SHALL BE RESPONSIBLE FOR
TEMPORARY IRRIGATION UNTIL THE PLANT
MATERIAL IS ESTABLISHED.



PLANT LIST					
QTY	SYMBOL	NAME	COMMON NAME	SIZE	NOTES
14	JV	JUNIPERUS VIRGINIANA	RED CEDAR	2" CAL	6-8' HTS STAGGERED B&B
15	PG	PICEA GLAUCA	WHITE SPRUCE	2" CAL	6-8' HTS B&B

JOSHUA R. HOUGH
CHALLENGER

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FRITO-LAY
KILLINGLY TRANSFORMATION
KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
Z	P&Z Submission	11/05/21
Y	Progress Issue #3	11/05/21

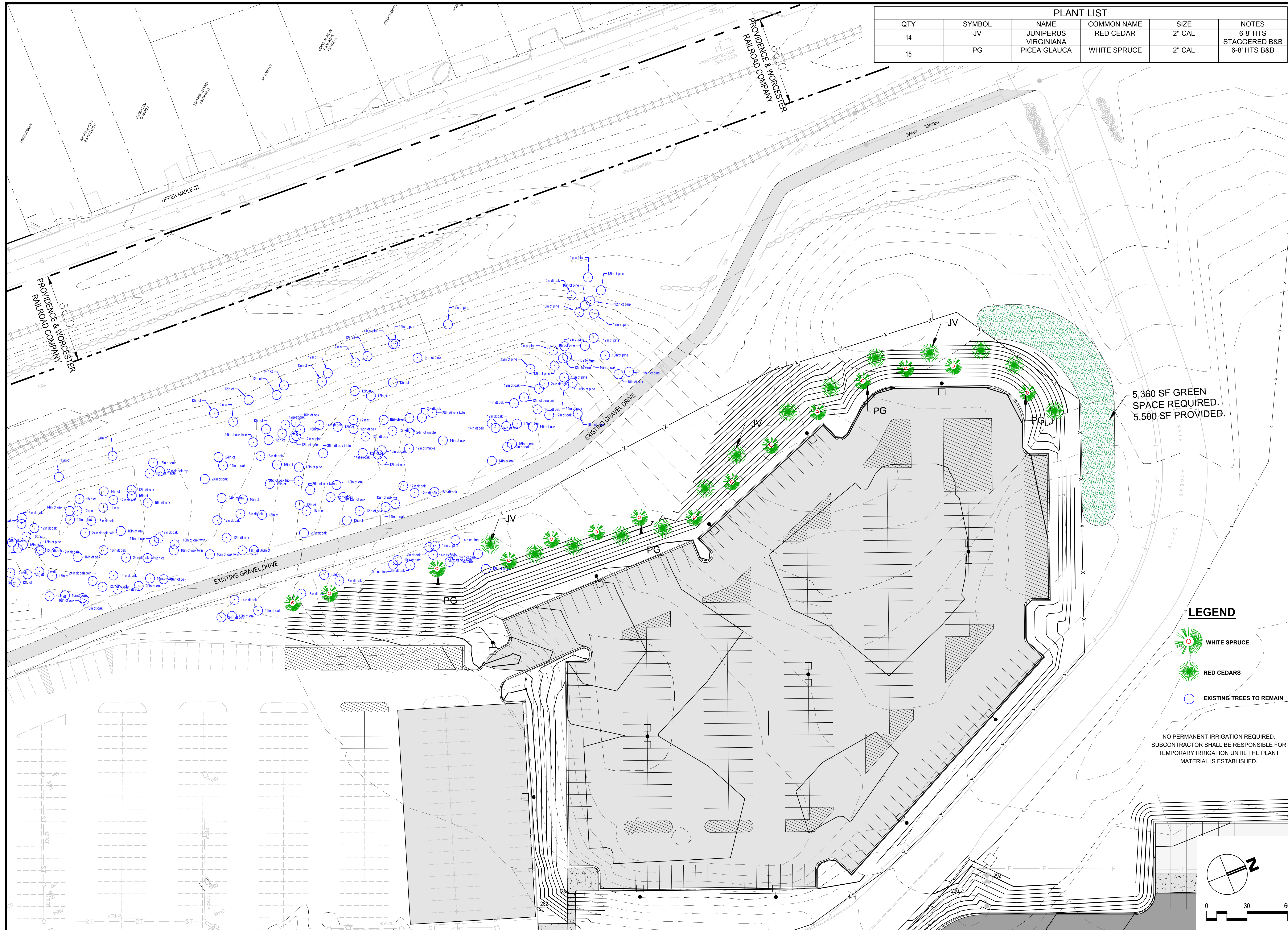
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AE JOB NUMBER
3401365

LANDSCAPE PLAN

2L-120
SHEET NUMBER



LEGEND

- WHITE SPRUCE
- RED CEDARS
- EXISTING TREES TO REMAIN

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