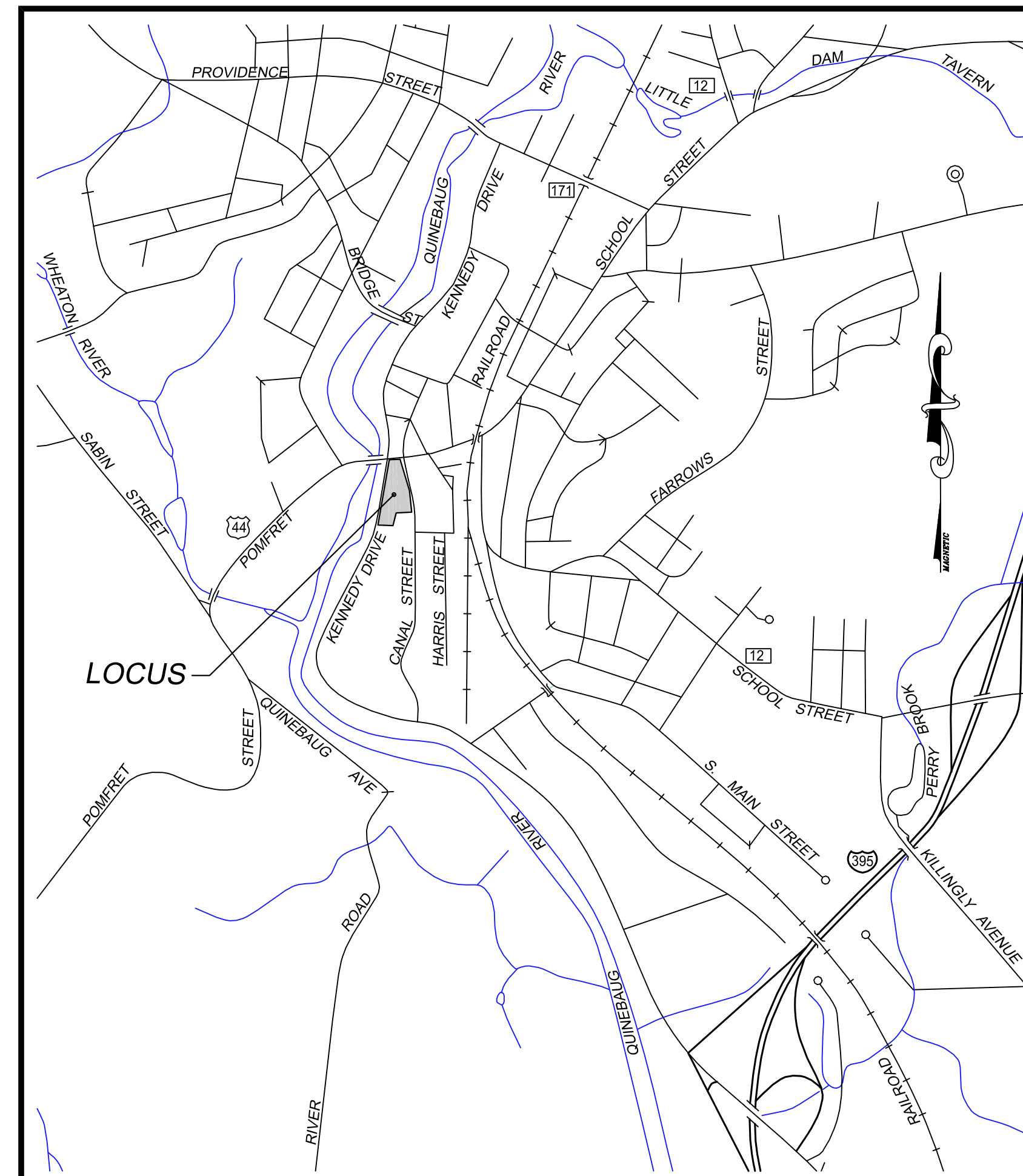


KENNEDY DRIVE MUNICIPAL PARKING LOT RECONSTRUCTION

FEBRUARY 29, 2024

INDEX OF DRAWINGS

- 1 COVER AND LOCATION MAP
- 2 EXISTING CONDITIONS PLAN - EAST
- 3 EXISTING CONDITIONS PLAN - WEST
- 4 SITE LAYOUT PLAN - EAST
- 5 GRADING AND DRAINAGE PLAN - EAST
- 6 SITE DEVELOPMENT PLAN - WEST
- 7 LANDSCAPING PLAN - EAST
- 8 LANDSCAPING PLAN - WEST
- 9 LANDSCAPING PLAN - DETAIL SHT 1
- 10 CONSTRUCTION DETAILS
- 11 CONSTRUCTION DETAILS
- 12 CONSTRUCTION DETAILS
- 13 SITE ELECTRICAL DEMOLITION PLAN
- 14 SITE ELECTRICAL PLAN
- 15 ELECTRICAL DETAILS



LOCATION MAP

1" = 2000'

PREPARED FOR:
TOWN OF PUTNAM
200 SCHOOL STREET
PUTNAM, CT 06260

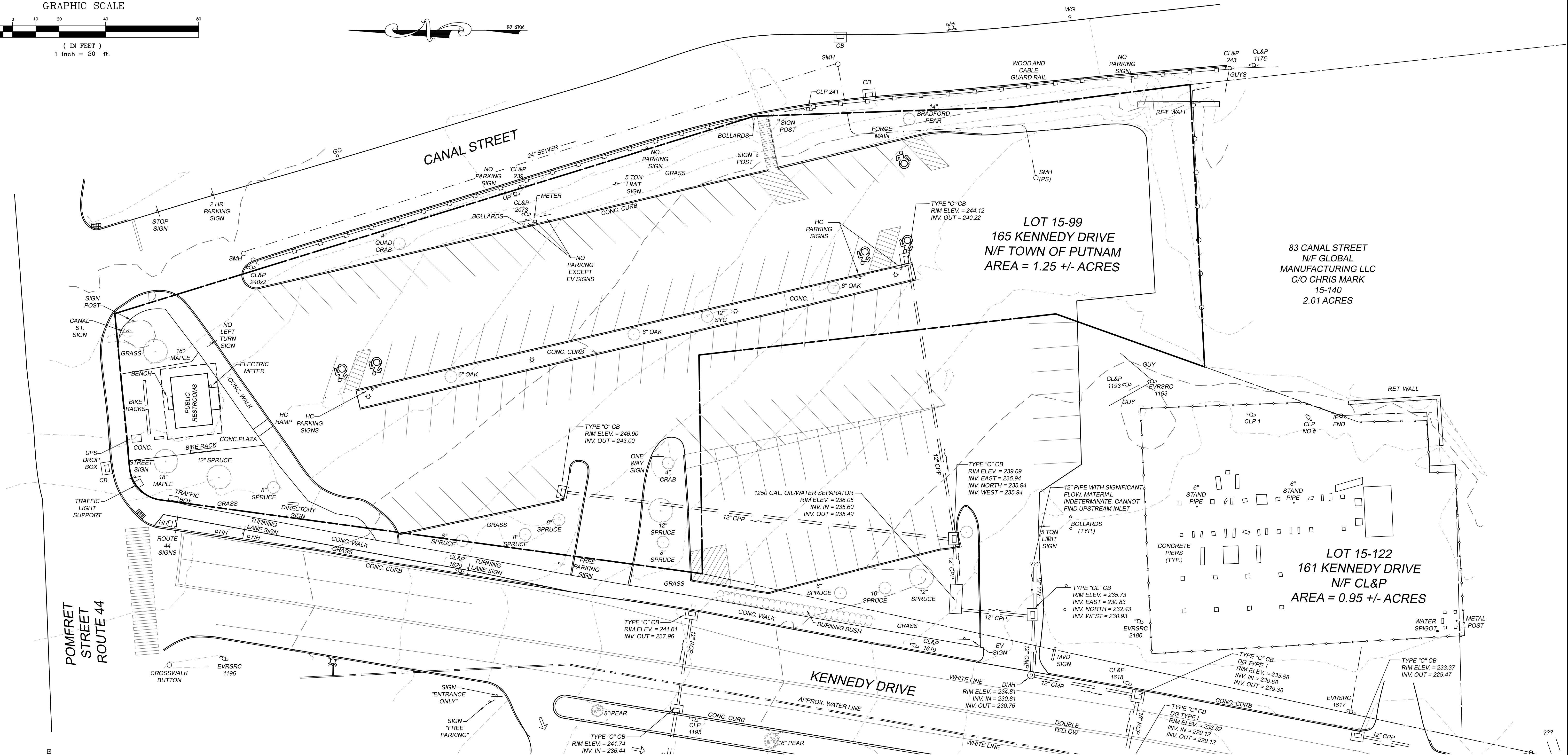
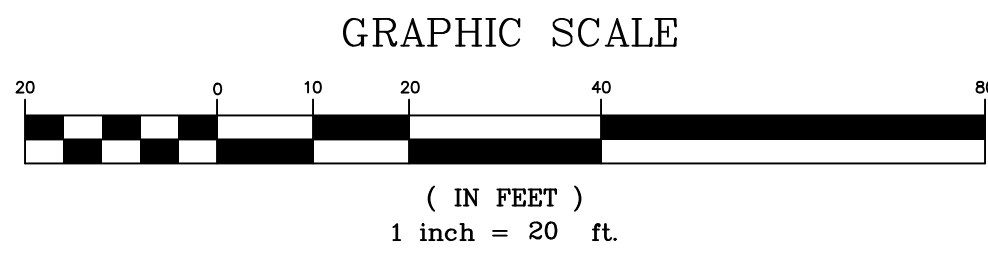
MAYOR:
BARNEY SENEY

TOWN ADMINISTRATOR:
ELAINE SISTARE

J & D CIVIL
ENGINEERS, LLC

**401 RAVENELLE ROAD
THOMPSON, CT 06255**

JDCIVILENGINEERS.COM
860-923-2920



NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: GENERAL LOCATION
PURPOSE: PARKING LOT REDESIGN
BOUNDARY DETERMINATION CATEGORY: N/A
HORIZONTAL ACCURACY: CLASS B
TOPOGRAPHIC ACCURACY: CLASS T-2

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE. UNDERGROUND UTILITIES ARE SHOWN PER DESIGN PLANS.

2. REFERENCE PLANS:
(A) "PLAN OF LAND SURVEYED FOR WELLINGTON PRODUCTS, INC." KENNEDY DRIVE & CANAL STREET, PUTNAM, CONNECTICUT BY KIELTYKA, WOODIS & PIKE, REVISED MAY 24, 1983.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE
DATE 12/07
LICENSE
NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
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LEGEND

	PROPERTY LINE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	EDGE OF RIVER
	EROSION CONTROL DEVICES
	TEST PIT
	STONEWALL
	UTILITIES
	TREELINE
	GUARDRAIL
	FENCE
	EXISTING DRAINAGE
	PROPOSED DRAINAGE
	APPROX. EXISTING WATER
	APPROX. EXISTING SEWER
	EXISTING UTILITY POLE
	SIGN

EXISTING CONDITIONS PLAN - EAST
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: APS
CHECKED: JAB

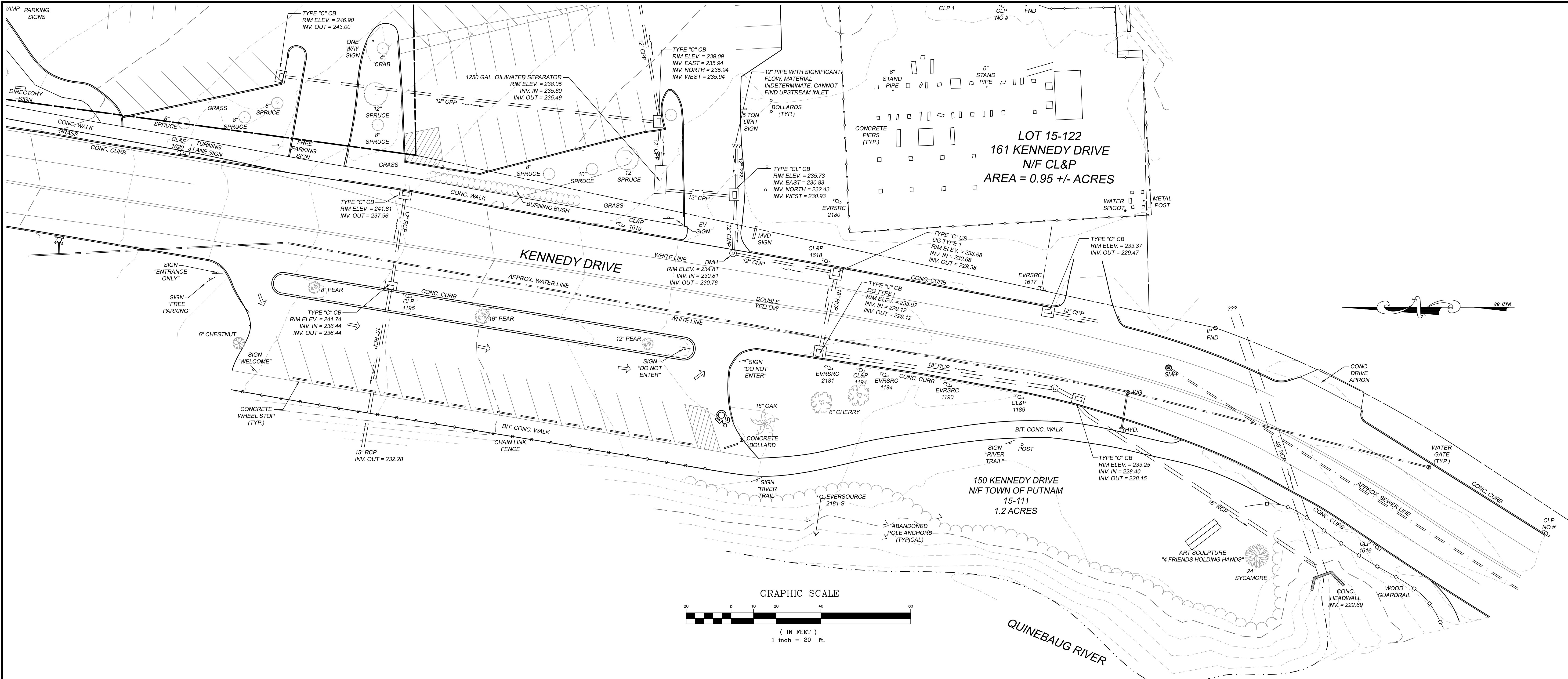
REVISIONS:

JOB NO: 21283

DATE: JANUARY 2024

SCALE: 1" = 20'

SHEET: 2



NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT " AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

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PURPOSE: PARKING LOT REDESIGN
BOUNDARY DETERMINATION CATEGORY: N/A
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TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12107
LICENSE
NUMBER

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LEGEND	
	PROPERTY LINE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	EDGE OF RIVER
	EROSION CONTROL DEVICES
	TEST PIT
	STONEWALL
	UTILITIES
	TREELINE
	GUARDRAIL
	FENCE
	EXISTING DRAINAGE
	PROPOSED DRAINAGE
	APPROX. EXISTING WATER
	APPROX. EXISTING SEWER
	EXISTING UTILITY POLE
	SIGN

EXISTING CONDITIONS PLAN - WEST

PREPARED FOR

THE TOWN OF PUTNAM

KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

J&D CIVIL ENGINEERS, LLC

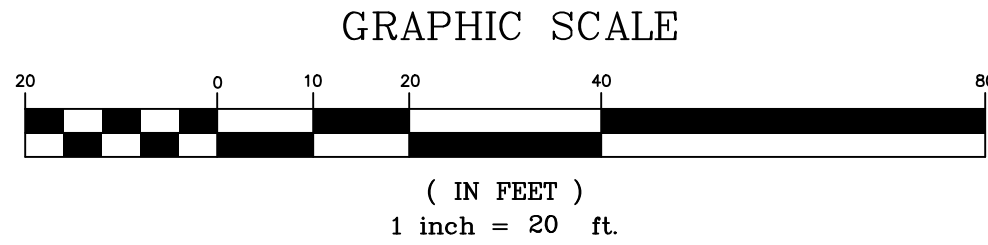
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: APS
CHECKED: JAB

REVISIONS:

JOB NO: 21283
SCALE: 1" = 20'

DATE: JANUARY 2024
SHEET: 3



CANAL STREET

KENNEDY DRIVE

POMFRET STREET
ROUTE 44

- SOUTH PARKING LOT - BID ALTERNATE #1 DESCRIPTION:**
- THE TOWN MAY ADD BID ALTERNATE #1 TO THE CONSTRUCTION PROJECT EITHER AT THE AWARD OF THE CONTRACT OR PARTWAY THROUGH CONSTRUCTION AT THE TOWN'S DISCRETION.
 - CONSTRUCTION OF THE SOUTH PARKING LOT IS BID ALTERNATE #1. SEE PLAN FOR APPROXIMATE WORK LIMIT LINE BETWEEN THE BASE BID AND THE BID ALTERNATE.
 - THE SIDEWALK WORK AND CROSSWALK ALONG KENNEDY DRIVE SOUTH OF THE LIMIT LINE IS INCLUDED IN THE BID ALTERNATE.
 - THE DRAINAGE SYSTEM, INCLUDING THE UNDERDRAIN, CB #4 AND THE PIPE ACROSS KENNEDY DRIVE, ARE PART OF THE BASE BID.
 - THE ISLANDS, LANDSCAPING AND CONCRETE CURB NORTH OF THE LIMIT LINE ARE PART OF THE BASE BID.

PROPOSED TEST PITS:
PRIOR TO DEMOLITION, THE CONTRACTOR SHALL DIG THE THREE TP INDICATED. TP #3 IS TO CHECK CLEARANCE FOR THE DRAINAGE PIPE AT THE WATER LINE CROSSING IN KENNEDY DRIVE. TP #4 AND #5 ARE TO CHECK THE CONDITION AND SOURCE OF THE PIPE FLOWING FROM A SPRING NEAR THE LOCATION OF THE FORMER DMV BUILDING.

NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: GENERAL LOCATION
PURPOSE: PARKING LOT REDESIGN
BOUNDARY DETERMINATION CATEGORY: N/A
HORIZONTAL ACCURACY: CLASS B
TOPOGRAPHIC ACCURACY: CLASS T-2

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2. REFERENCE PLANS:
(A) "PROPERTY SURVEY PREPARED FOR TOWN OF PUTNAM, KENNEDY DRIVE AND ROUTE 44 - PUTNAM, CT" PLAN PREPARED BY J & D CIVIL ENGINEERS LLC, DATE: JANUARY 3, 2024.
(B) "PLAN OF LAND SURVEYED FOR WELLINGTON PRODUCTS, INC." KENNEDY DRIVE & CANAL STREET, PUTNAM, CONNECTICUT BY KIELTYKA, WOODIS & PIKE, REVISED MAY 24, 1983.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE
DATE 12/10/24
LICENSE NUMBER

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LEGEND

- PROPERTY LINE
EXISTING CONTOUR LINE
PROPOSED CONTOUR LINE
EDGE OF RIVER
EROSION CONTROL DEVICES
TEST PIT
STONEWALL
UTILITIES
TREELINE
GUARDRAIL
FENCE
EXISTING DRAINAGE
PROPOSED DRAINAGE
APPROX. EXISTING WATER
APPROX. EXISTING SEWER
EXISTING UTILITY POLE
SIGN

**SITE LAYOUT PLAN - EAST
KENNEDY DRIVE PARKING LOT
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT**

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB CHECKED: DOB	REVISIONS:
JOB NO: 21283 SCALE: 1" = 20'	DATE: FEBRUARY 29, 2024 SHEET: 4



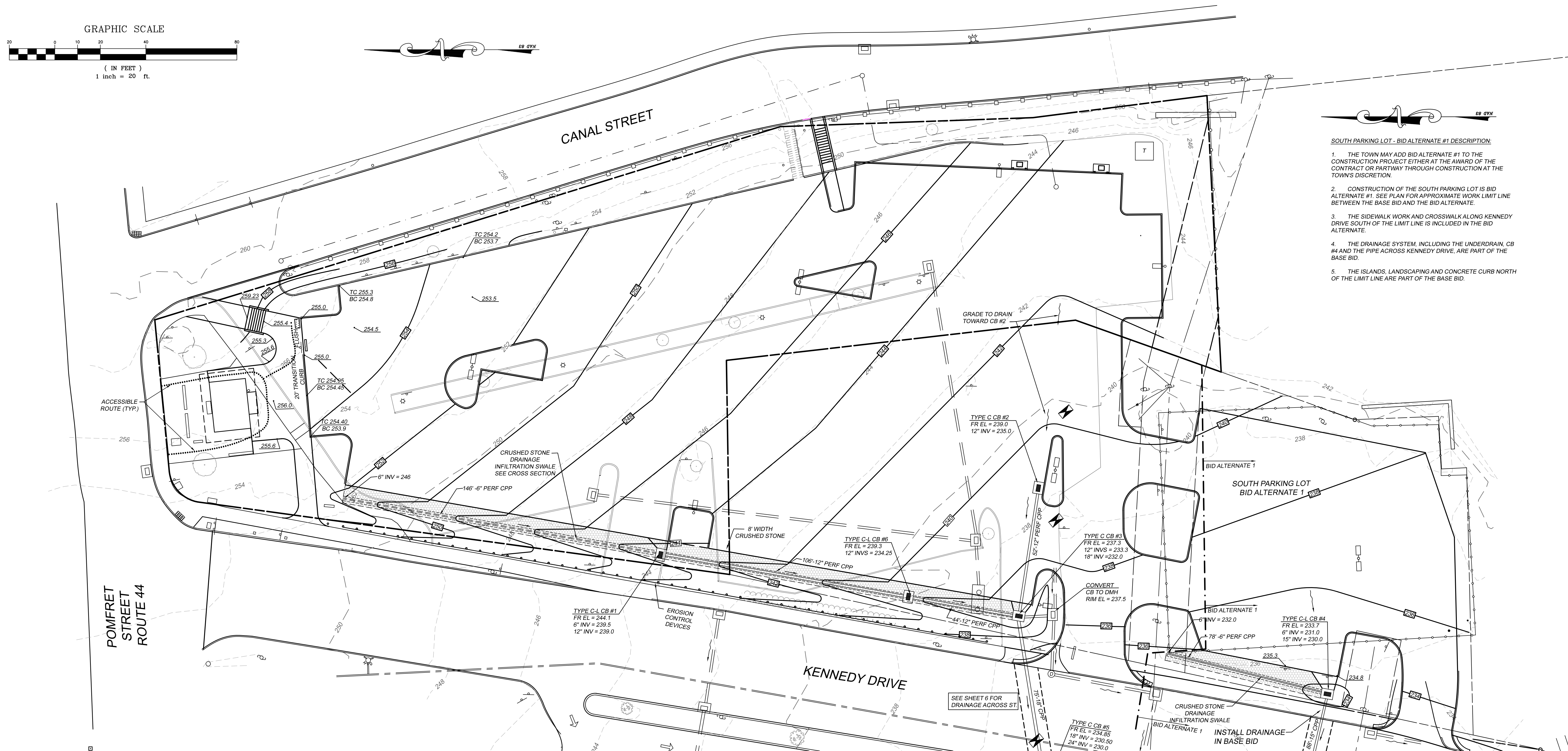
1. THE TOWN MAY ADD BID ALTERNATE #1 TO THE CONSTRUCTION PROJECT EITHER AT THE AWARD OF THE CONTRACT OR PARTWAY THROUGH CONSTRUCTION AT THE TOWN'S DISCRETION.

2. CONSTRUCTION OF THE SOUTH PARKING LOT IS BID ALTERNATE #1. SEE PLAN FOR APPROXIMATE WORK LIMIT LINE BETWEEN THE BASE BID AND THE BID ALTERNATE.

3. THE SIDEWALK WORK AND CROSSWALK ALONG KENNEBEC DRIVE SOUTH OF THE LIMIT LINE IS INCLUDED IN THE BID ALTERNATE.

4. THE DRAINAGE SYSTEM, INCLUDING THE UNDERDRAIN #4 AND THE PIPE ACROSS KENNEDY DRIVE, ARE PART OF THE BASE BID.

5. THE ISLANDS, LANDSCAPING AND CONCRETE CURB NO
OF THE LIMIT LINE ARE PART OF THE BASE BID.



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SURVEY TYPE: GENERAL LOCATION
PURPOSE: PARKING LOT REDESIGN
BOUNDARY DETERMINATION CATEGORY: N/A
HORIZONTAL ACCURACY: CLASS B
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(B) "PLAN OF LAND SURVEYED FOR WELLINGTON PRODUCTS, INC." KENNEDY DRIVE & CANAL STREET, PUTNAM, CONNECTICUT BY KIELTYKA, WOODIS & PIKE, REVISED MAY 24, 1983.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

<i>DENNIS R. BLANCHETTE</i>	<i>DATE</i>	<i>12107</i> <i>LICENSE</i> <i>NUMBER</i>
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THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
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[illegible]

PROPERTY LINE
EXISTING CONTOUR LINE
PROPOSED CONTOUR LINE
EDGE OF RIVER
EROSION CONTROL DEVICES
TEST PIT
STONEWALL
UTILITIES
TREELINE
GUARDRAIL
FENCE
EXISTING DRAINAGE
PROPOSED DRAINAGE
APPROX. EXISTING WATER
APPROX. EXISTING SEWER
EXISTING UTILITY POLE
SIGN

**GRADING AND DRAINAGE PLAN - EAST
KENNEDY DRIVE PARKING LOT
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT**

**J&D CIVIL
ENGINEERS, LLC**
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DDB

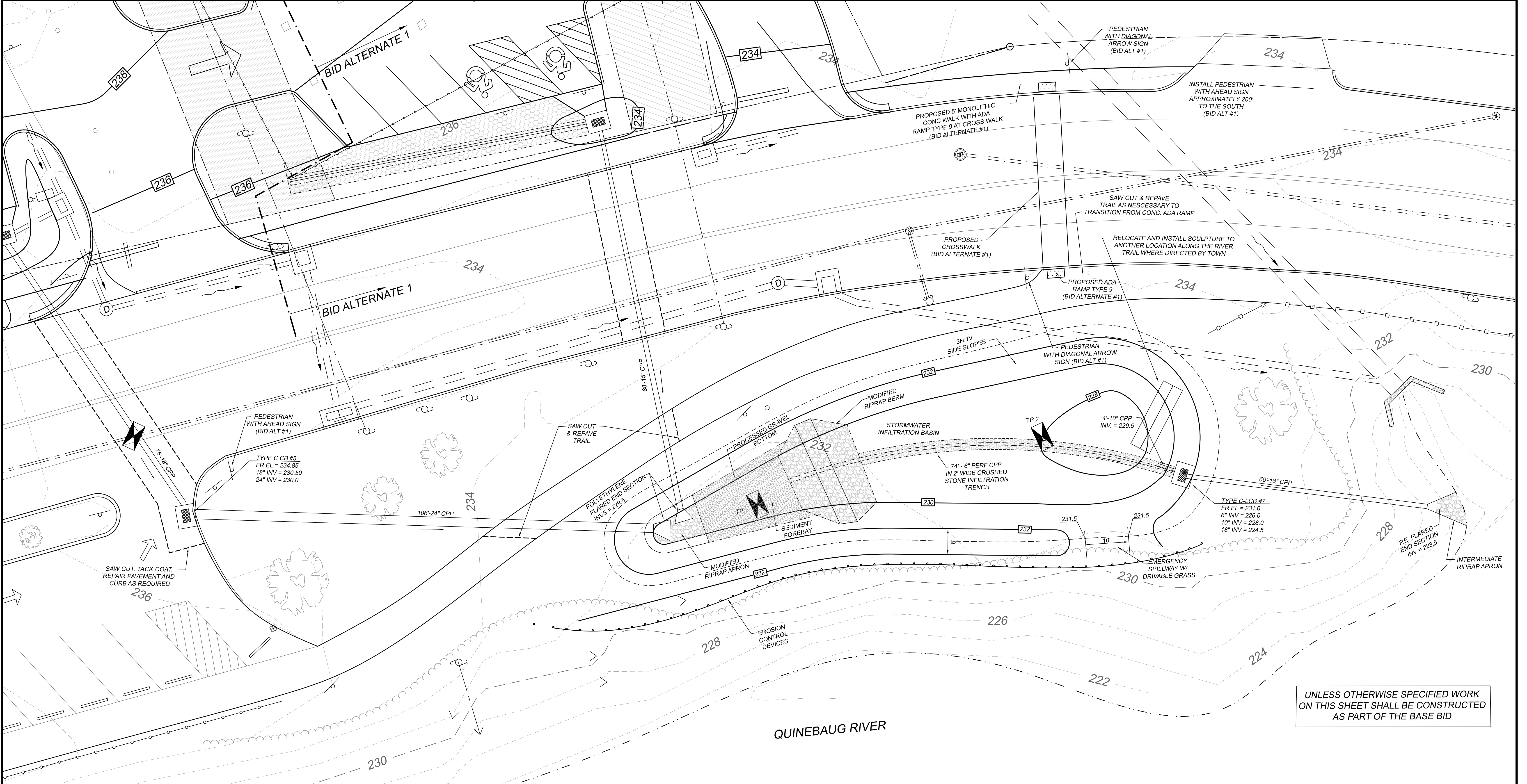
	REVISIONS:
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JOB NO: 21283

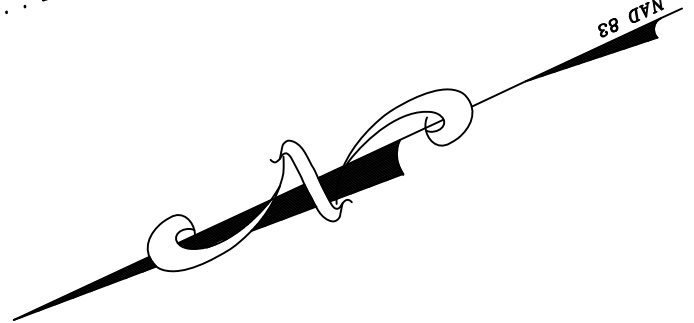
DATE: FEBRUARY 29, 2024

SCALE: 1" = 20'

SHEET: 5



UNLESS OTHERWISE SPECIFIED WORK
ON THIS SHEET SHALL BE CONSTRUCTED
AS PART OF THE BASE BID



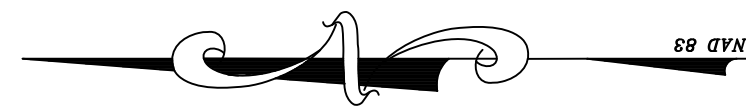
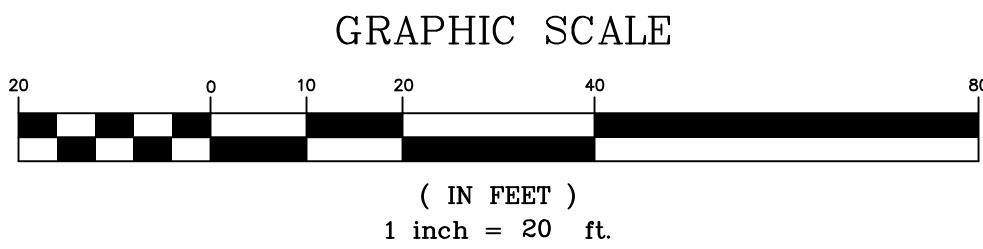
LEGEND	
	PROPERTY LINE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	EDGE OF RIVER
	EROSION CONTROL DEVICES
	TEST PIT
	STONEWALL
	UTILITIES
	TREELINE
	GUARDRAIL
	FENCE
	EXISTING DRAINAGE
	PROPOSED DRAINAGE
	APPROX. EXISTING WATER
	APPROX. EXISTING SEWER
	EXISTING UTILITY POLE
	SIGN

SITE DEVELOPMENT PLAN
WEST OF KENNEDY DRIVE
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

J&D CIVIL
ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB CHECKED: DDB	REVISIONS:
-------------------------------	------------

JOB NO: 21283	DATE: FEBRUARY 29, 2024
SCALE: 1" = 10'	SHEET: 6



CANAL STREET

3' WIDE BEDS
ALUMINUM EDGING,
LANDSCAPE CLOTH
AND STONE

STAIRS

SEATING
AND SHADE
TREES

TURF ESTABLISHMENT
(LAWN MIX) ON FLAT AREA

TREES MULCHED
WITH 6" DIAMETER,
ALUMINUM EDGING,

CLEAR AND GRUB TREES WITHIN PROPERTY
ESTABLISH "NO MOW" TURF. USE EROSION CONTROL
BLANKET ON STEEP SLOPE ADJACENT TO CANAL
STREET

SOUTH PARKING LOT - BID ALTERNATE #1 DESCRIPTION:

1. THE TOWN MAY ADD BID ALTERNATE #1 TO THE CONSTRUCTION PROJECT EITHER AT THE AWARD OF THE CONTRACT OR PARTWAY THROUGH CONSTRUCTION AT THE TOWN'S DISCRETION.
2. CONSTRUCTION OF THE SOUTH PARKING LOT IS BID ALTERNATE #1. SEE PLAN FOR APPROXIMATE WORK LIMIT LINE BETWEEN THE BASE BID AND THE BID ALTERNATE.
3. THE SIDEWALK WORK AND CROSSWALK ALONG KENNEDY DRIVE SOUTH OF THE LIMIT LINE IS INCLUDED IN THE BID ALTERNATE.
4. THE DRAINAGE SYSTEM, INCLUDING THE UNDERDRAIN, CB #4 AND THE PIPE ACROSS KENNEDY DRIVE, ARE PART OF THE BASE BID.
5. THE ISLANDS, LANDSCAPING AND CONCRETE CURB NORTH OF THE LIMIT LINE ARE PART OF THE BASE BID.

CLEAR AND GRUB BRUSH
ESTABLISH "NO MOW" TURF
AROUND PERIMETER OF LOT.

CLEAR AND GRUB BRUSH
ESTABLISH "NO MOW" TURF
AROUND PERIMETER OF LOT.

SOUTH PARKING LOT
BID ALTERNATE 1

ALUMINUM EDGING
ESTABLISH "NO MOW" TURF

TURF ESTABLISHMENT
(LAWN MIX)

BID ALTERNATE 1

TURF ESTABLISHMENT
(LAWN MIX)

ARBORIST TO
PRUNE TREE

ACCESSIBLE
ROUTE (TYP.)

ARBORIST TO
PRUNE TREE

POMFRET
STREET
ROUTE 44

ISLAND BED 5
MULCHED WITH
STONE

ISLAND BED 4
MULCHED WITH
STONE
ALUMINUM
EDGING

EDGE BEDS WITH
ALUMINUM EDGING

ROADSIDE
BED 1

1
LDS1

ROADSIDE
BED 2

2
LDS1

TURF ESTABLISHMENT
(LAWN MIX)

REMOVE ALL TREES
AND SHRUBS ALONG KENNEDY DRIVE

ISLAND BED 3
MULCHED WITH
STONE

BLACK
METAL
EDGING

EDGE BEDS WITH
ALUMINUM EDGING

ROADSIDE
BED 3

1
LDS1

TURF ESTABLISHMENT
(LAWN MIX)

ROADSIDE
BED 4

3
LDS1

ISLAND BED 2
MULCHED WITH
STONE

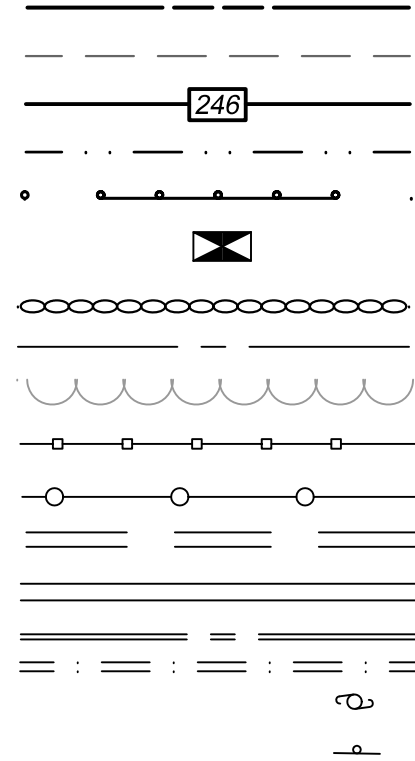
9 (x3)

BID ALTERNATE 1

BID ALTERNATE 1

BID ALTERNATE 1

LEGEND



PROPERTY LINE
EXISTING CONTOUR LINE
PROPOSED CONTOUR LINE
EDGE OF RIVER
EROSION CONTROL DEVICES
TEST PIT
STONEWALL
UTILITIES
TREELINE
GUARDRAIL
FENCE
EXISTING DRAINAGE
PROPOSED DRAINAGE
APPROX. EXISTING WATER
APPROX. EXISTING SEWER
EXISTING UTILITY POLE
SIGN

LANDSCAPING NOTES:

1. PROVIDE COMMERCIAL GRADE LANDSCAPE CLOTH ON ALL BEDS. WHERE PERENNIALS AND GRASSES ARE GROUPED TOGETHER THE CLOTH SHALL BE CUT SO THAT THEY ARE ALL MASSED TOGETHER (VS INDIVIDUAL HOLES CUT).
2. ALL EDGING SHALL BE PERMALOC "CLEAN LINE: ALUMINUM EDGING, 3/16" X 4", BLACK FINISH.
3. ALL BEDS SHALL BE MULCHED WITH 3" THICKNESS NATIVE ROUND STONE (1' - 2" MIX).



Lisa Richards Landscape Designer
844.383.2784

LANDSCAPING PLAN - EAST
KENNEDY DRIVE PARKING LOT
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

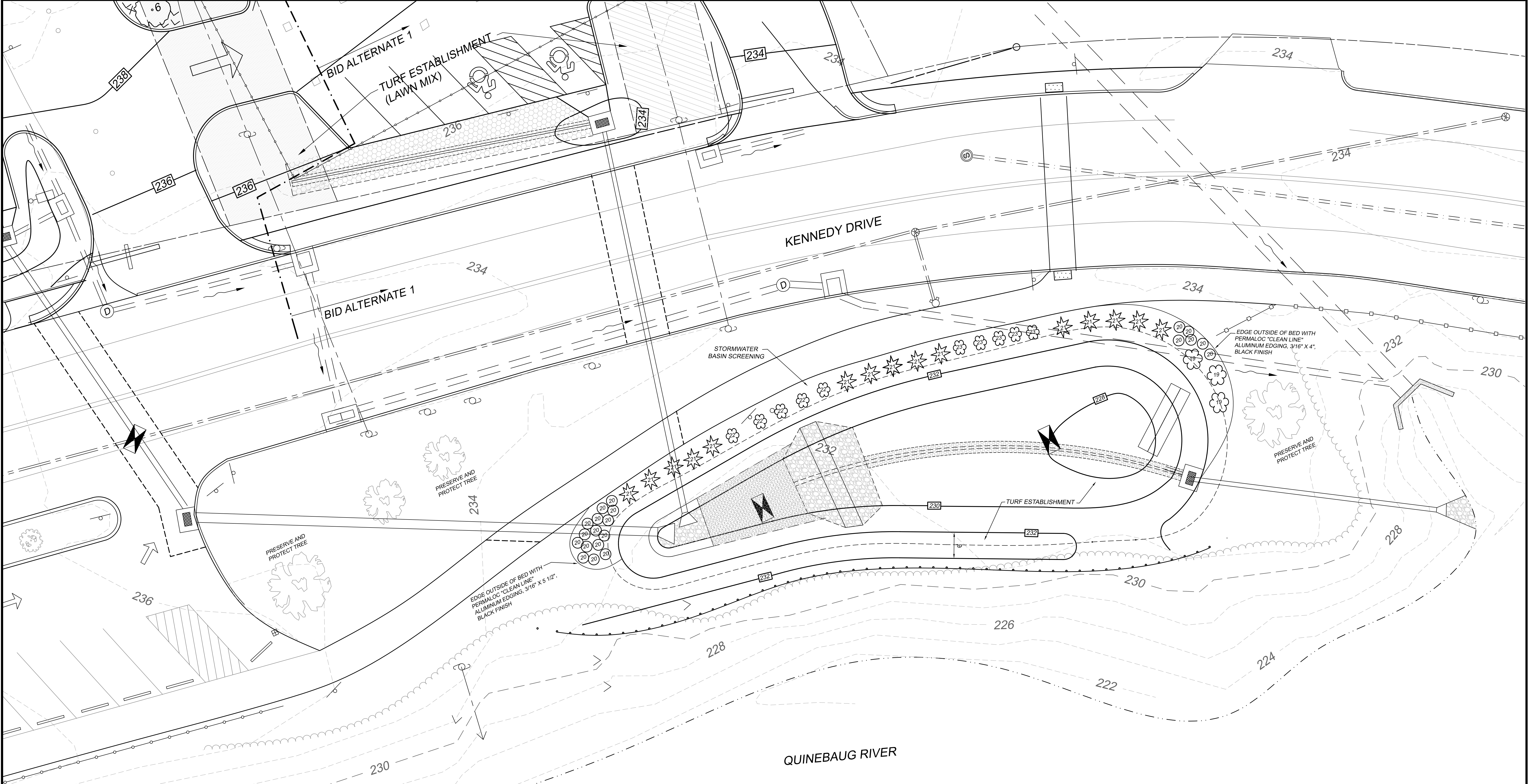
J&D CIVIL
ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DOB

REVISIONS:

JOB NO: 21283
SCALE: 1" = 20'

DATE: FEBRUARY 29, 2024
SHEET: 7



QUINEBAUG RIVER

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EDGE OF RIVER
- EROSION CONTROL DEVICES
- TEST PIT
- STONEWALL
- UTILITIES
- TREELINE
- GUARDRAIL
- FENCE
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- APPROX. EXISTING WATER
- APPROX. EXISTING SEWER
- EXISTING UTILITY POLE
- SIGN



Down to Earth

GARDENING & DESIGN

Lisa Richards Landscape Designer

844.383.2784

**LANDSCAPING PLAN - WEST
WEST OF KENNEDY DRIVE**
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

J&D CIVIL
ENGINEERS, LLC

401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB	REVISIONS:
CHECKED: DDB	

JOB NO: 21283	DATE: FEBRUARY 29, 2024
SCALE: 1" = 10'	SHEET: 8

Nursery Stock & Materials Key

Town of Putnam - Kennedy Drive Parking Lot 2023
Revised 8/16/23

Down To Earth Gardening & Design

Item	Name	Recommended Sizes	Quantity
Stairs			
1	Spirea "Double Play Candy Corn"	3 Gallon	6
2	Hemerocallis "Stella D Oro"	1 Gallon	12
3	Hemerocallis "Red Hot Returns"	1 Gallon	12
8	Pennisetum "Hamelin"	2 Gallon	4
Roadside Bed 1			
10	Thuja "Junior Giant"	20 Gallon, 6-7' T	3
11	Acer Palmatum "Sango Kaku"	15 Gallon, 6-7' T	2
12	Cercis "Midnight Express"	15 Gallon, 6-7' T	2
13	Thuja "Forever Goldy"	15 Gallon	2
14	Narcissus "Fortune" (9 groups of 9)	Bulbs	81
8	Pennisetum "Hamelin"	2 Gallon	10
Roadside Bed 2			
10	Thuja "Junior Giant"	20 Gallon, 6-7' T	3
15	Cercis "Canadensis" "Appalachian Red"	15 Gallon, 6-7' T	2
13	Thuja "Forever Goldy"	15 Gallon, 6-7' T	2
16	Physocarpus "Amber Jubilee"	10 Gallon	2
2	Hemerocallis "Stella D Oro"	1 Gallon	15
8	Pennisetum "Hamelin"	2 Gallon	10
Roadside Bed 3			
10	Thuja "Junior Giant"	20 Gallon, 6-7' T	3
11	Acer Palmatum "Sango Kaku"	15 Gallon, 6-7' T	2
12	Cercis "Midnight Express"	15 Gallon, 6-7' T	2
13	Thuja "Forever Goldy"	15 Gallon, 6-7' T	2
14	Narcissus "Fortune" (9 groups of 9)	Bulbs	81
8	Pennisetum "Hamelin"	2 Gallon	10
Roadside Bed 4			
1	Spirea "Double Play Candy Corn"	3 Gallon	10
3	Hemerocallis "Red Hot Returns"	1 Gallon	20
17	Hemerocallis "Rosy Returns"	1 Gallon	9

9	Calamagrostis "Karl Foerster"	2 Gallon	3
18	Picea Pungens "Globosa"	10 Gallon	1
16	Physocarpus "Amber Jubilee"	10 Gallon	3
13	Thuja "Forever Goldy"	15 Gallon, 6-7' T	2
8	Pennisetum "Hamelin"	2 Gallon	10
15	Cercis "Canadensis" "Appalachian Red"	15 Gallon, 6-7' T	3
10	Thuja "Junior Giant"	20 Gallon	3
2	Hemerocallis "Stella D Oro"	1 Gallon	6
11	Acer Palmatum "Sango Kaku"	15 Gallon	1
Island Bed 1			
4	Acer Palmatum "Orange Dream"	15 Gallon, 6-7' T	1
25 / L	Liriope "Variegata"	1 Gallon	9
24 / X	Juniper "Blue Pacific"	2 Gallon	2

Island Bed 2			
9	Calamagrostis "Karl Foerster"	2 Gallon	3
24 / X	Juniper "Blue Pacific"	2 Gallon	8
25 / L	Liriope "Variegata"	1 Gallon	18
6	Amelanchier "Autumn Brilliance"	15 Gallon, 6-7' T	2

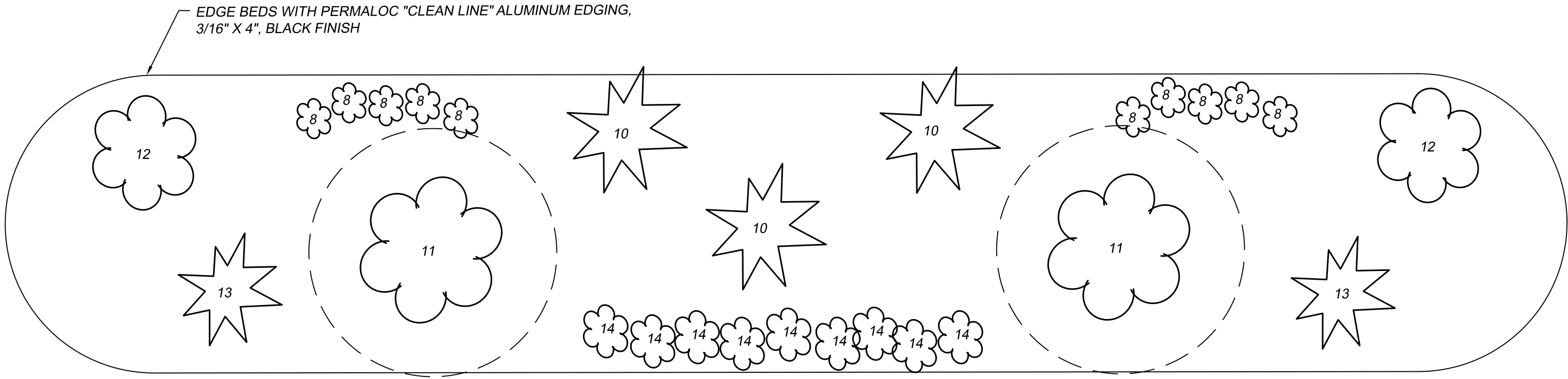
Island Bed 3			
24 / X	Juniper "Blue Pacific"	2 Gallon	5
7	Cornus Constellation "Rutcan"	15 Gallon, 6-7' T	1

Island Bed 4			
24 / X	Juniper "Blue Pacific"	2 Gallon	6
7	Cornus Constellation "Rutcan"	15 Gallon, 6-7' T	1
25 / L	Liriope "Variegata"	1 Gallon	10

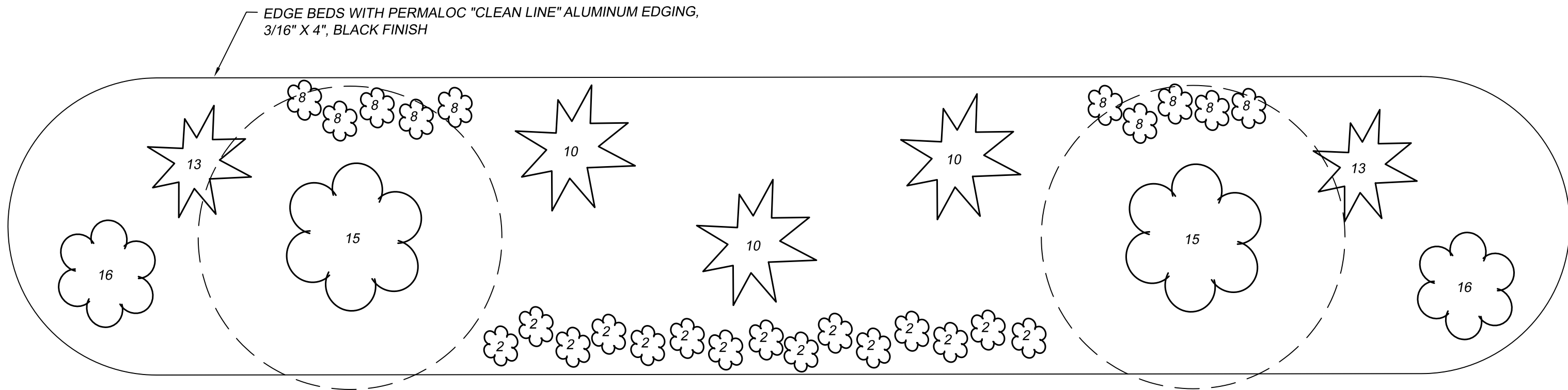
Island Bed 5			
24 / X	Juniper "Blue Pacific"	2 Gallon	12
6	Amelanchier "Autumn Brilliance"	15 Gallon, 6-7' T	2
8	Pennisetum "Hamelin"	2 Gallon	7
25 / L	Liriope "Variegata"	1 Gallon	10

Island Bed 6			
24 / X	Juniper "Blue Pacific"	2 Gallon	5
25 / L	Liriope "Variegata"	1 Gallon	14
7	Cornus Constellation "Rutcan"	15 Gallon, 6-7' T	1

Informal Screening			
19	Cornus "Ivory Halo"	7 Gallon	3
20	Andropogon Gerardii "Blackhawks"	8" Container	15
21	Ilex Glabra "Densa"	7 Gallon	15
22	Clethra "Ruby Spice"	7 Gallon	5
23	Cotoneaster "Autumn Inferno"	3 Gallon	5
Seating & Shade Trees			
5	Betula "Jacquemonti"	15 Gallon	3
24	Bench	L 71 X 26 W + mounting hardware (on cement pad)	3
		Cement pad 8' Long X 4' Wide	3
	Top dressed with Triple Ground Dark Brown Mulch / Depth 2-3"		

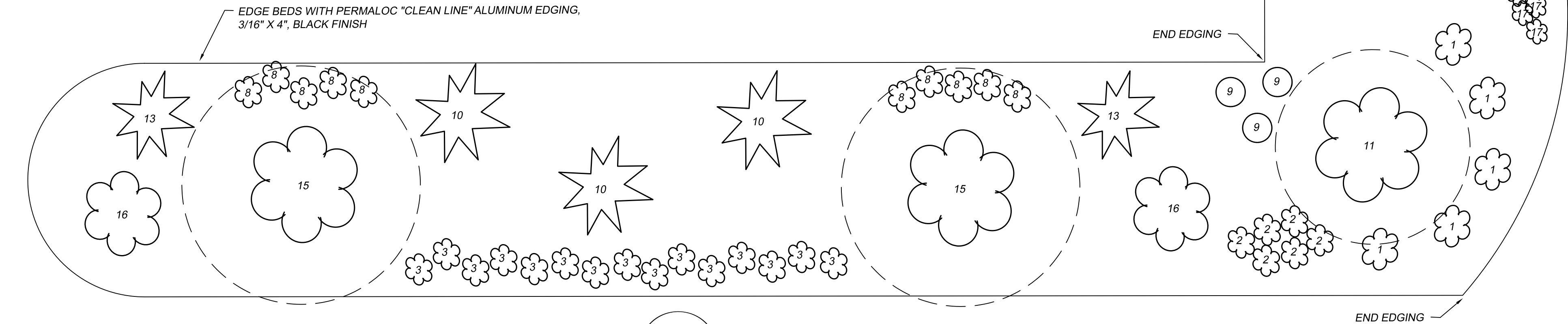


1
LDS1 SCALE = $\frac{1}{4}" = 1'$
(2 IDENTICAL BEDS)



2
LDS1 SCALE = $\frac{1}{4}" = 1'$

NOTE: PROVIDE COMMERCIAL GRADE LANDSCAPE CLOTH ON ALL BEDS. WHERE PERENNIALS AND GRASSES ARE GROUPED TOGETHER THE CLOTH SHALL BE CUT SO THAT THEY ARE ALL MASSED TOGETHER (VS INDIVIDUAL HOLES CUT). BEDS SHALL BE MULCHED WITH 3" THICKNESS NATIVE ROUND STONE (1" - 2")



3
LDS1 SCALE = $\frac{1}{4}" = 1'$

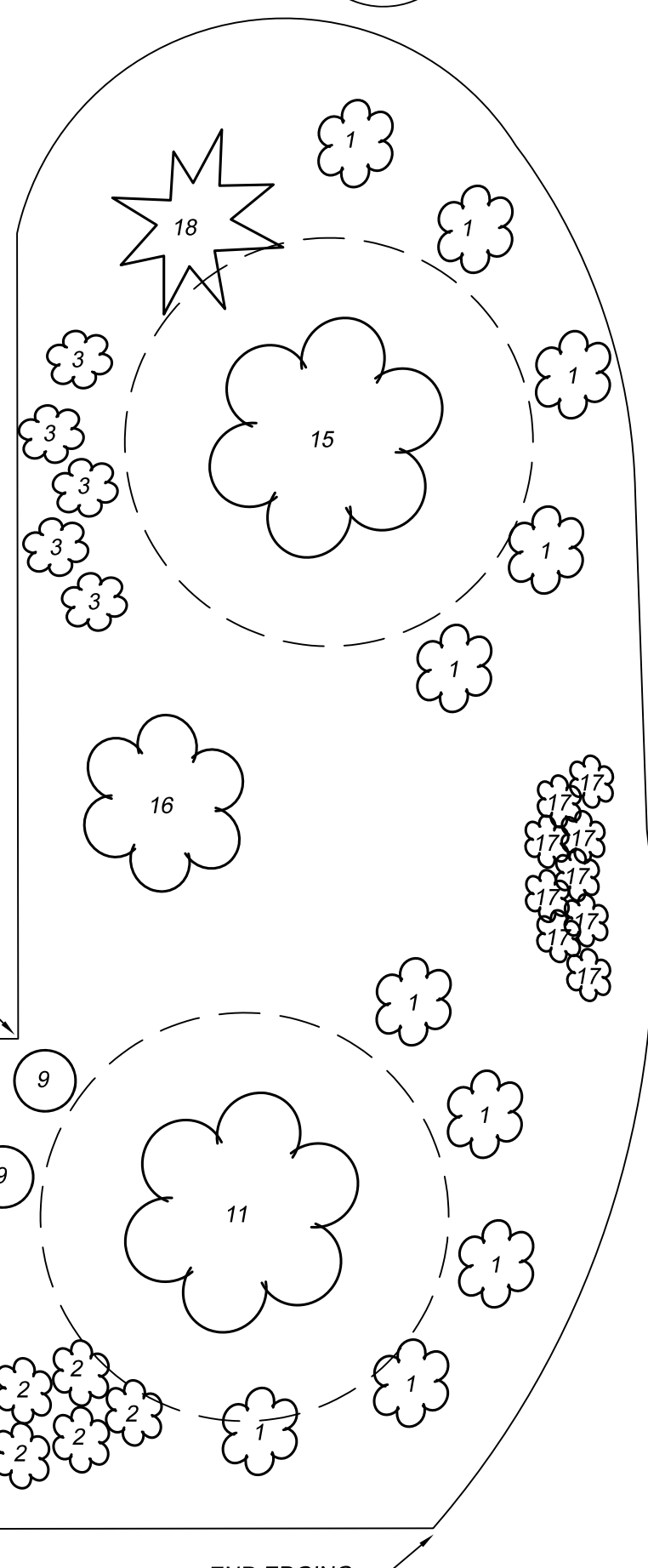


BENCH SPECIFICATIONS

- INSTALL BLACK BENCHES NEAR EV CHARGERS
- INSTALL ULINE MODEL H-3018, 6' BENCH WITH BACK
- PROVIDE ALL NECESSARY MOUNTING HARDWARE
- BOLT BENCHES TO 48" X 84" CONCRETE PADS WITH SAME CROSS SECTION AS SIDEWALK DETAIL ON SHEET 12
- PLACE BENCHES WITH FEET APPROX. 6" FROM CONC. PAD AT REAR AND SIDES


Down to Earth
GARDENING & DESIGN
Lisa Richards Landscape Designer
844.383.2784

← CANAL STREET →



4
LDS1 SCALE = $\frac{1}{4}" = 1'$

LANDSCAPING DETAIL SHEET 1
KENNEDY DRIVE PARKING LOT
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

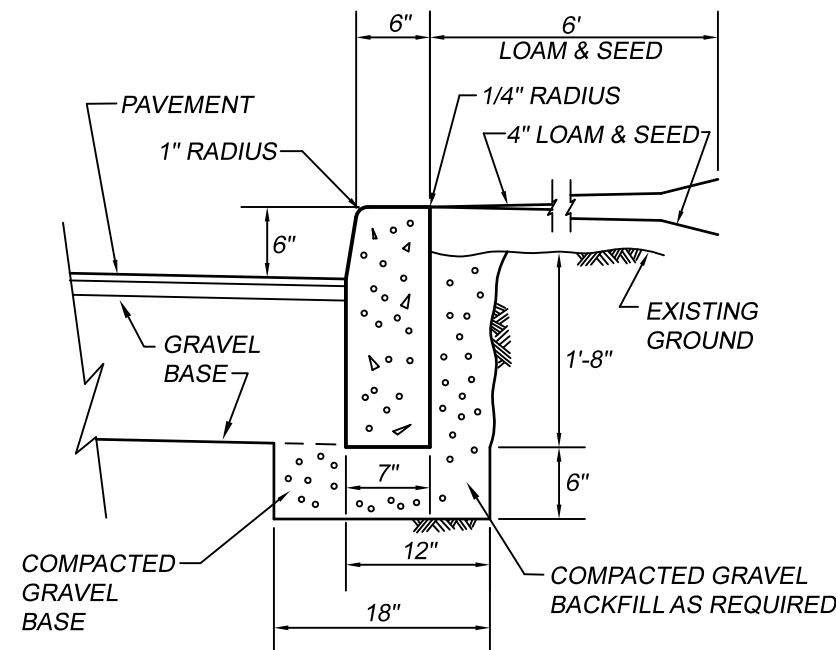
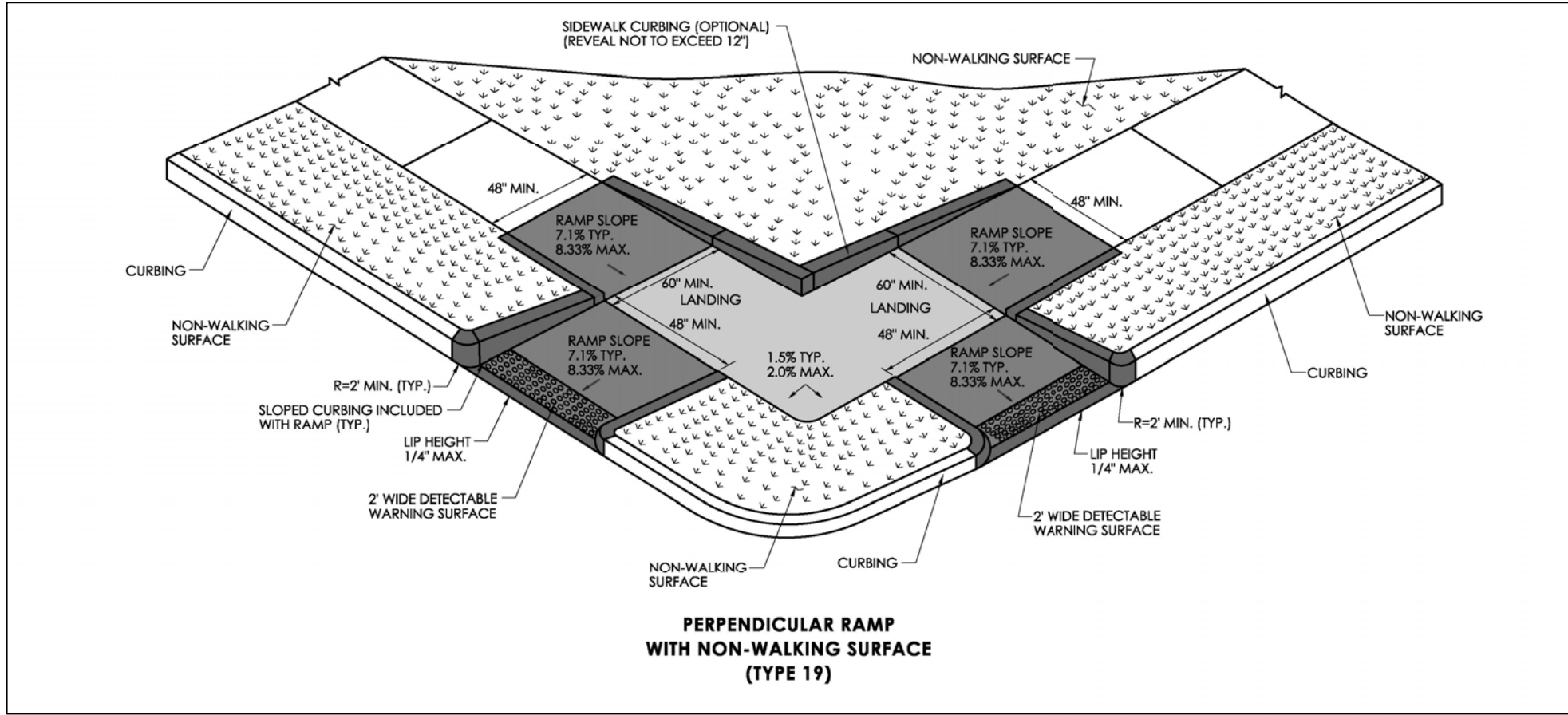
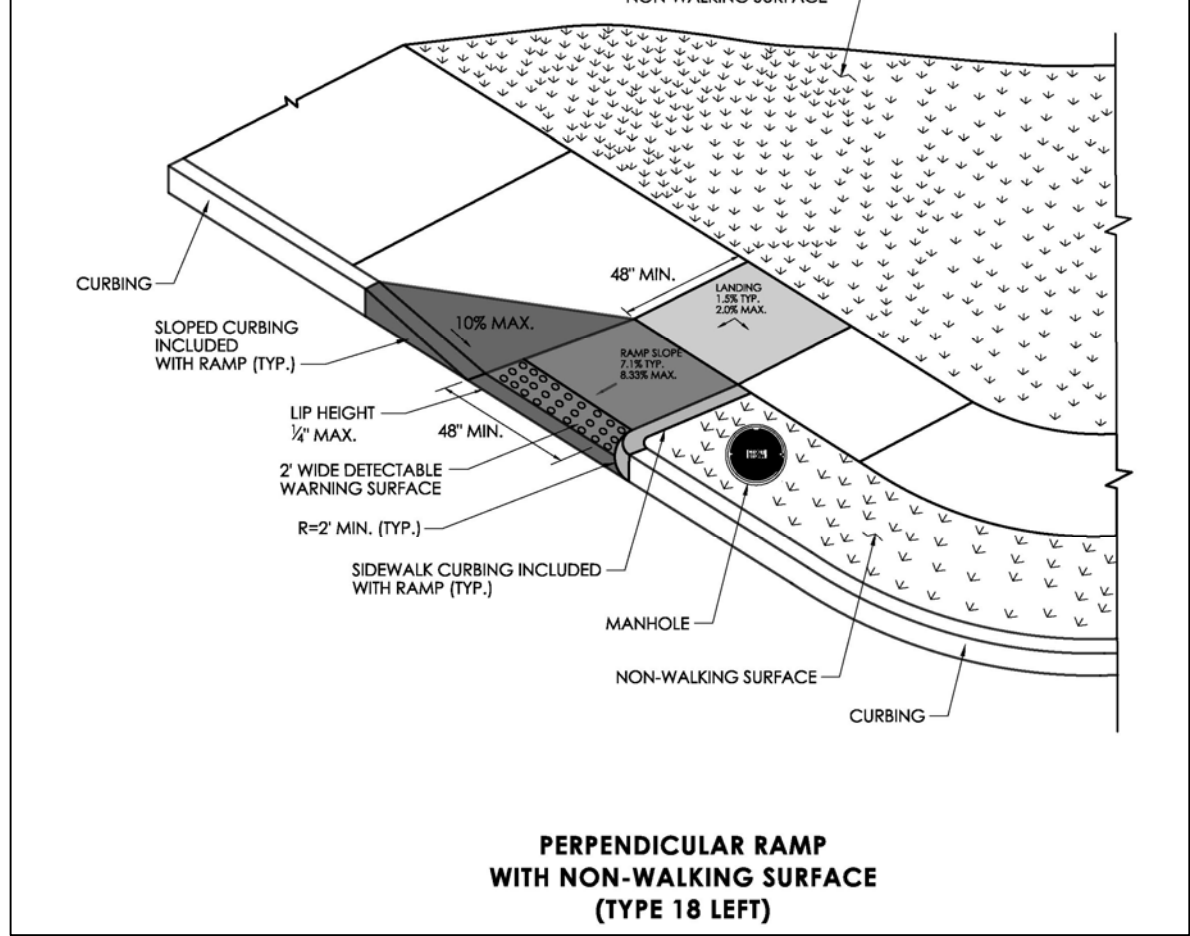
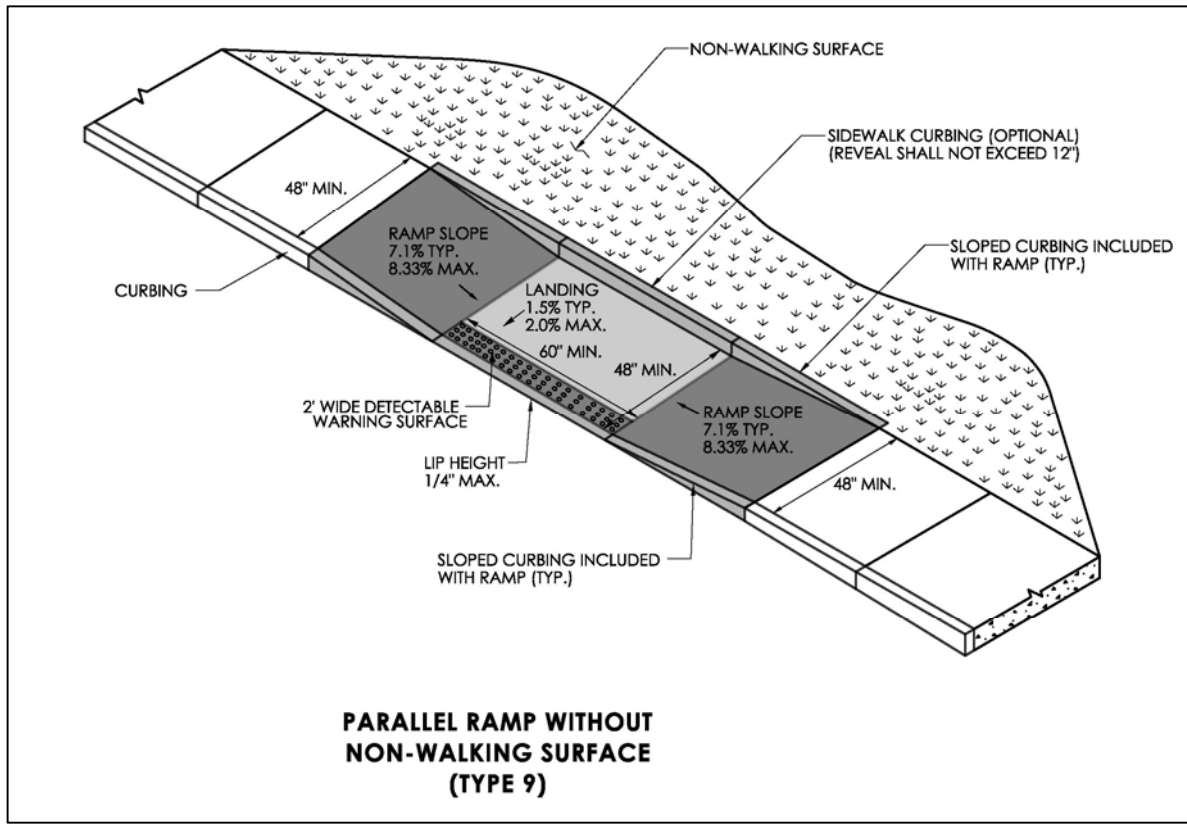
J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DDB

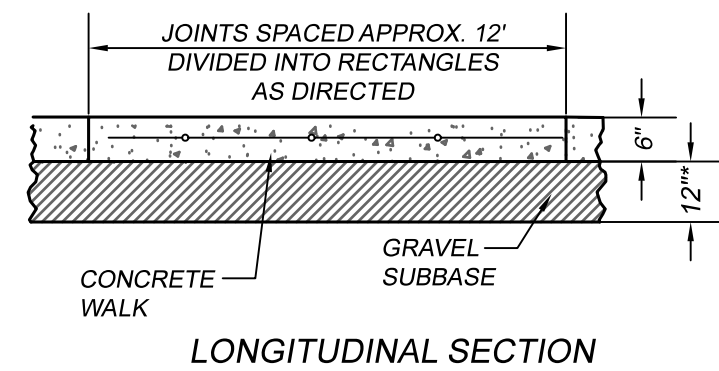
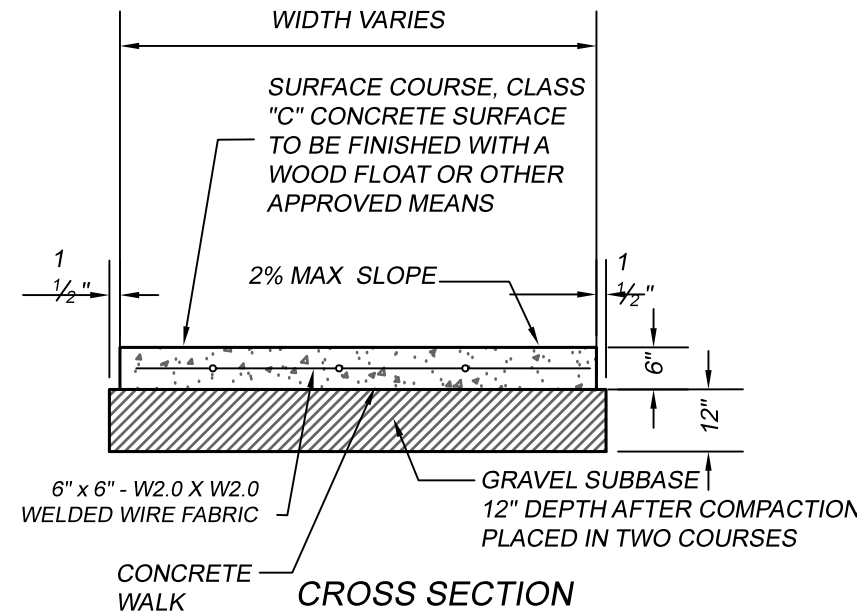
REVISIONS:

JOB NO: 21283
SCALE: AS NOTED

DATE: FEBRUARY 29, 2024
SHEET: 9

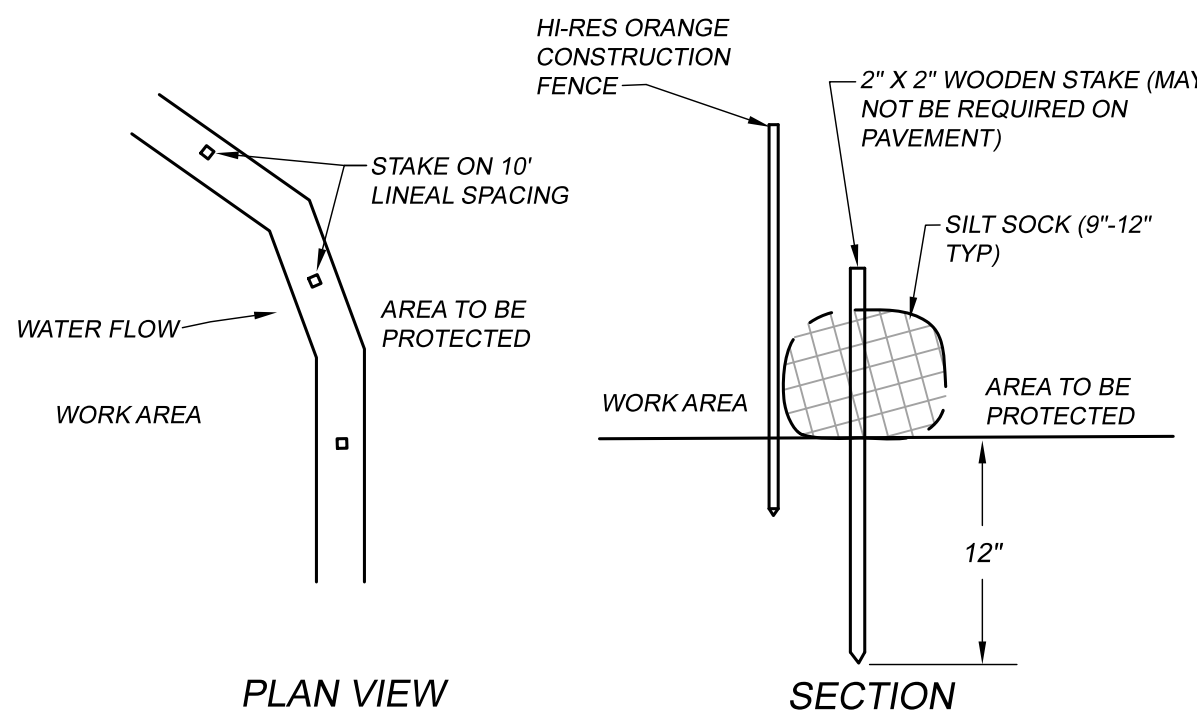


CONCRETE CURBING DETAIL
NOT TO SCALE



* INCREASE DEPTH TO 16" FOR A DISTANCE OF 10' FOR CONCRETE APRONS CONTIGUOUS TO THE BUILDING

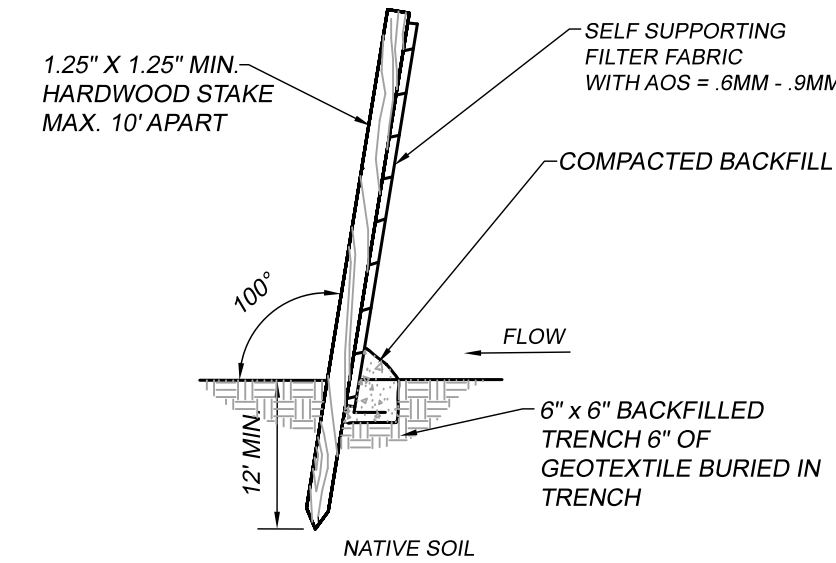
CONCRETE PLAZA SECTION
N.T.S.



NOTES

1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

SILT SOCK DETAIL
NOT TO SCALE



SILT FENCE INSTALLATION
NOT TO SCALE

SEQUENCE OF CONSTRUCTION :

CONSTRUCTION ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE.

1. HOLD PRE-CONSTRUCTION MEETING WITH OWNER, SITE CONTRACTOR, AND DESIGN ENGINEER.
2. EXCAVATING CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG AS REQUIRED, AND IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL BURIED UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. EXCAVATE EXPLORATORY TEST PITS.
4. INSTALL COMPOST FILTER SOCK ALONG THE DOWNSLOPE SIDE OF CONSTRUCTION ACTIVITIES AS SHOWN ON THE DRAWINGS.
5. CONSTRUCT STORMWATER INFILTRATION BASIN FIRST SO THAT VEGETATION CAN BE ESTABLISHED ON THE SIDES AND BOTTOM.
6. DEMOLITION OF ISLANDS, SIGNS, TREES, EXISTING DRAINAGE STRUCTURES, ETC.
7. FULL DEPTH PAVEMENT RECLAMATION OF EXISTING PARKING LOT.
8. INSTALL NEW DRAINAGE.
9. INSTALL UNDERGROUND ELECTRIC AND LIGHT POLE BASES.
10. PAVING.
11. PAVEMENT MARKINGS AND SIGNS.
12. LANDSCAPING
13. FINAL SITE STABILIZATION AND CLEANUP
14. AFTER PERMANENT STABILIZATION OF SITE (I.E. A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION) HAS BEEN ACHIEVED, THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING THE REMOVAL OF THE CONTROLS SHALL BE RESTABILIZED. PERMANENT STORMWATER FEATURES SHOULD BE CLEANOUT OUT AS NEEDED UPON FINAL STABILIZATION OF THE SITE.

GENERAL SEEDING NOTES

1. TEMPORARY SEEDING NOTES - SITE PREPARATION: APPLY 1-2 TON /ACRE AGRICULTURAL GRADE LIMESTONE AND 10-10-10 FERTILIZER AT A RATE OF 300 LBS./ACRE AND WORK IN WHERE POSSIBLE. REFER TO FIGURE TS-2 IN THE 2002 CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR APPROPRIATE SEEDING MIXES AND RATES. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.
2. PERMANENT SEEDING NOTES - SITE PREPARATION: GRADE AS NECESSARY TO BRING THE SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.
3. APPLY 4 TONS/ACRE AGRICULTURAL GRADE LIMESTONE AND 10-10-10 FERTILIZER AT A RATE OF 300 LBS/AC OR AS PER SOIL TEST. LIMESTONE AND FERTILIZER MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS.
4. FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR INCHES. THE ENTIRE SURFACE SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

THE PURPOSE OF THIS PROJECT IS TO RECONSTRUCT A 1.6 ACRE PARKING LOT. SITE WORK WILL INCLUDE CONSTRUCTION OF DRAINAGE, PAVING, PAVEMENT MARKINGS, CONCRETE CURB, SIGNS, LANDSCAPING, LIGHTS, EV CHARGING STATIONS, ETC.

ATTENTION SHALL BE GIVEN TO THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES. NO ERODED SEDIMENTS SHALL BE PERMITTED TO FLOW INTO KENNEDY DRIVE OR THE RIVER. IF FIELD CONDITIONS WARRANT IT OR THE TOWN REQUESTS IT, ADDITIONAL E & S CONTROL MEASURES, BEYOND WHAT IS SHOWN ON THE PLAN, SHALL BE INSTALLED.

SEDIMENT AND EROSION CONTROL DEVICES WILL BE INSTALLED AS DETAILED ON THIS SHEET AND CHECKED REGULARLY FOR REPLACEMENT AND AFTER EVERY RAIN FOR REMOVAL OF DEPOSITED MATERIALS. RESPONSIBILITY FOR COMPLIANCE WITH THIS PLAN SHALL BELONG TO THE CONTRACTOR. THE CONTRACTOR SHALL BE THE DESIGNATED ON-SITE AGENT RESPONSIBLE FOR ENSURING TO THE TOWN THAT E & S CONTROL MEASURES ARE STRICTLY ENFORCED.

SEEDING DATES FOR PERMANENT VEGETATION ARE APRIL 1 - JUNE 15 AND AUGUST 15 - SEPTEMBER 15. SEEDING DATES FOR TEMPORARY VEGETATION ARE MARCH 1 - OCTOBER 15. OUTSIDE OF THESE DATES TEMPORARY MULCH CONSISTING OF STRAW OR HAY APPLIED AT THE RATE OF 95 LB/1000 SQUARE FEET SHALL BE USED. HYDROSEEDING WILL BE PERMITTED WHERE SLOPES ARE NO STEEPER THAN 2 TO 1 AND SEEDING RATES WILL BE INCREASED BY 10%.

OPERATIONS AND MAINTENANCE

1. ALL PROPOSED WORK SHALL CONFORM TO "2023 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE GOALS OF THIS EROSION CONTROL PLAN ARE MET BY WHATEVER MEANS ARE NECESSARY. THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF DISTURBED AREAS.
3. PRIOR TO CONSTRUCTION OR EXCAVATION, SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLAN OR AS REQUIRED BY THE TOWN AND MAINTAINED THROUGHOUT CONSTRUCTION.
4. UPON FINAL GRADING, DISTURBED AREAS SHALL COVERED WITH A MINIMUM OF 6" LOAM AND SEEDED WITH PERENNIAL GRASSES AS SPECIFIED FOR THE PROJECT. IMMEDIATELY AFTER SEEDING, MULCH THE SEEDED AREA, NOT COVERED WITH EROSION CONTROL BLANKET, WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE. SEEDING DATES ARE TO BE BETWEEN APRIL 1 THRU JUNE 15 AND AUGUST 15 THRU OCTOBER 15.
5. DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS. ADDITIONAL EROSION CONTROL MEASURES BEYOND WHAT IS SHOWN ON THE PLAN MAY BE NECESSARY.
6. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED, AT WHICH TIME THEY SHALL BE REMOVED.
7. SITE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THIS EROSION AND SEDIMENT CONTROL PLAN.

MINIMIZE DISTURBED AREAS

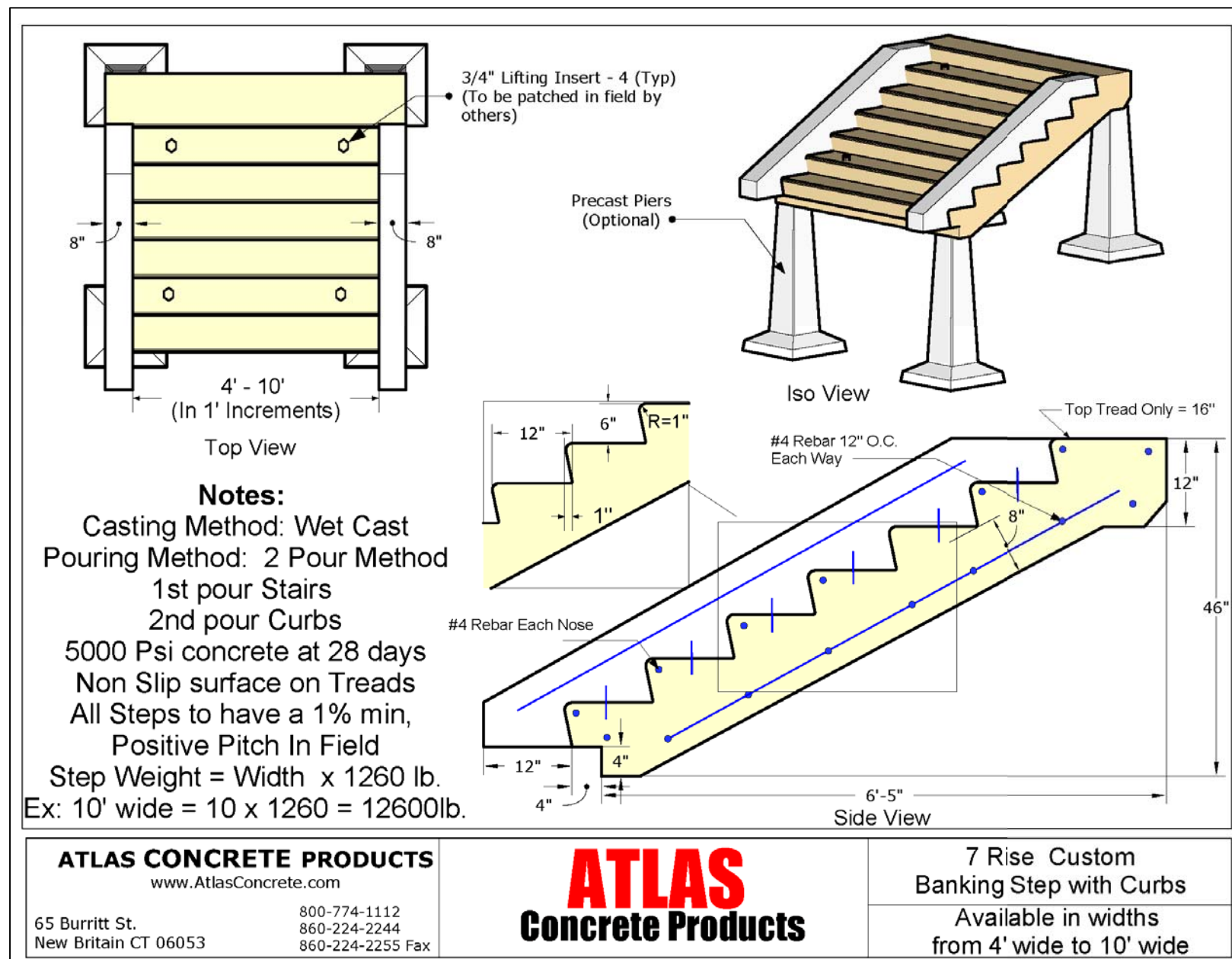
1. KEEP LAND DISTURBANCE TO A MINIMUM - THE MORE LAND THAT IS IN VEGETATIVE COVER, THE MORE SURFACE WATER WILL INFILTRATE INTO THE SOIL, THUS MINIMIZING STORMWATER RUNOFF AND POTENTIAL EROSION. KEEPING LAND DISTURBANCE TO A MINIMUM NOT ONLY INVOLVES MINIMIZING THE EXTENT OF EXPOSURE AT AN ONE TIME, BUT ALSO THE DURATION OF EXPOSURE.
2. PHASE CONSTRUCTION SO THAT AREAS WHICH ARE ACTIVELY BEING DEVELOPED AT ANY ONE TIME ARE MINIMIZED AND ONLY THAT AREA UNDER CONSTRUCTION IS EXPOSED. CLEAR ONLY THOSE AREAS ESSENTIAL FOR CONSTRUCTION.
3. SEQUENCE THE CONSTRUCTION OF STORM DRAINAGE SYSTEMS SO THAT THEY ARE OPERATIONAL AS SOON AS POSSIBLE DURING CONSTRUCTION. ENSURE ALL OUTLETS ARE STABLE BEFORE OUTLETTING STORM DRAINAGE FLOW INTO THEM.
4. SCHEDULE CONSTRUCTION SO THAT FINAL GRADING AND STABILIZATION IS COMPLETED AS SOON AS POSSIBLE.

MANAGING RUNOFF

1. USE DIVERSIONS, STONE DIKES, SILT FENCES AND SIMILAR MEASURES TO BREAK FLOW LINES AND DISSIPATE STORM WATER ENERGY.
2. AVOID DIVERTING ONE DRAINAGE SYSTEM INTO ANOTHER WITHOUT CALCULATING THE POTENTIAL FOR DOWNSTREAM FLOODING OR EROSION.
3. CLEAN RUNOFF SHOULD BE KEPT SEPARATED FROM SEDIMENT LADEN WATER AND SHOULD NOT BE DIRECTED OVER DISTURBED AREAS WITHOUT ADDITIONAL CONTROLS. ADDITIONALLY, PREVENT THE MIXING OF CLEAN OFF-SITE GENERATED RUNOFF WITH SEDIMENT LADEN RUNOFF GENERATED ON-SITE UNTIL AFTER ADEQUATE INFILTRATION OF ON-SITE WATERS HAS OCCURRED.

INTERNAL EROSION CONTROLS

1. DO NOT RELY EXCLUSIVELY ON PERIMETER EROSION CONTROL DEVICES.
2. CONTROL EROSION AND SEDIMENTATION BY INSTALLING INTERNAL EROSION CONTROL IN THE SMALLEST DRAINAGE AREA POSSIBLE.
3. DIRECT RUNOFF FROM SMALL DISTURBED AREAS TO ADJOINING UNDISTURBED VEGETATED AREAS.
4. CONCENTRATED RUNOFF SHOULD BE CONVEYED TO SEDIMENT TRAPS OR BASINS AND STABLE OUTLETS USING RIP RAPPED CHANNELS, STORM DRAINS OR SIMILAR MEASURES.



CONSTRUCTION DETAILS
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

J&D CIVIL
ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DRB

REVISIONS:

JOB NO: 21283

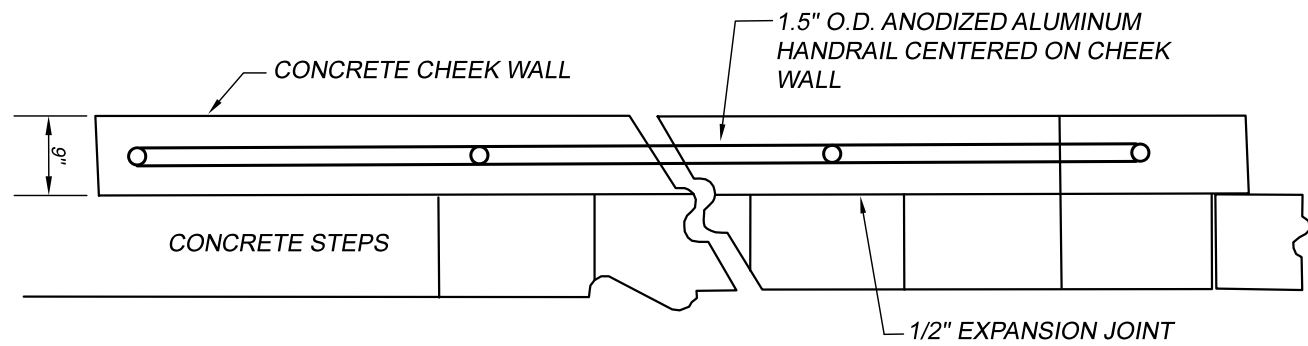
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DATE: FEBRUARY 29, 2024

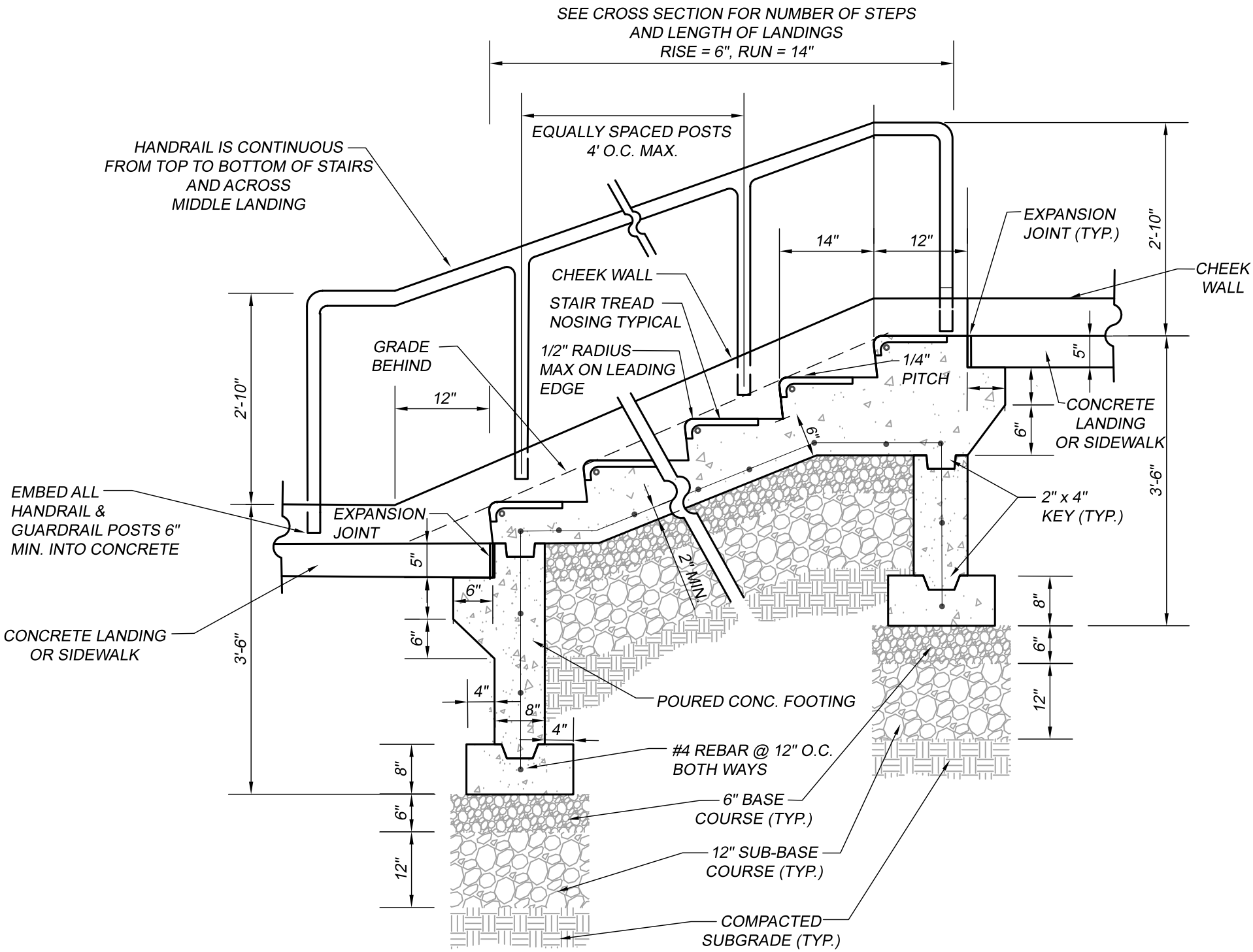
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SIGN SCHEDULE

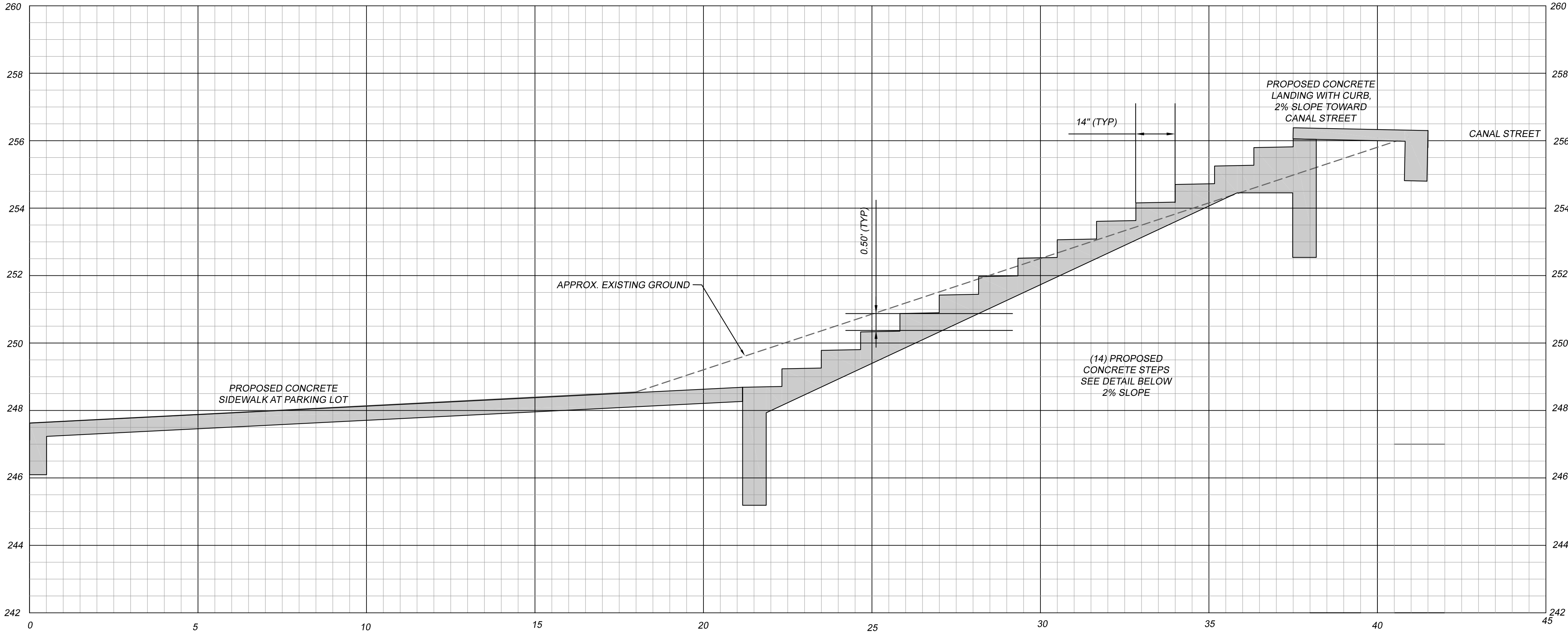
CT DOT SIGN CATALOG NUMBER	DESCRIPTION	SIZE	QUANTITY
31-0552	STOP	30"	2
31-0648	VAN ACCESSIBLE	18" X 9"	4
31-1119	DO NOT ENTER	30"	3
31-5003	RED RETROREFLECTIVE STRIPS (DNE)	4" X 36"	3
31-5004	RED RETROREFLECTIVE STRIPS (STOP)	4" X 72"	2
41-2617	DOWNWARD DIAGONAL LEFT ARROW	24" X 12"	2
41-4829	PEDESTRIAN	30" X 30"	4
41-5001	RETROREFLECTIVE STRIP	4" X 48"	4
41-6126	AHEAD	24" X 12"	2
31-0662	RESERVED (WITH UPDATED ACTIVE SYMBOL)	12" X 18"	7
none	EV PARKING SIGN	12" X 18"	4



PLAN: CHEEK WALL
NOT TO SCALE

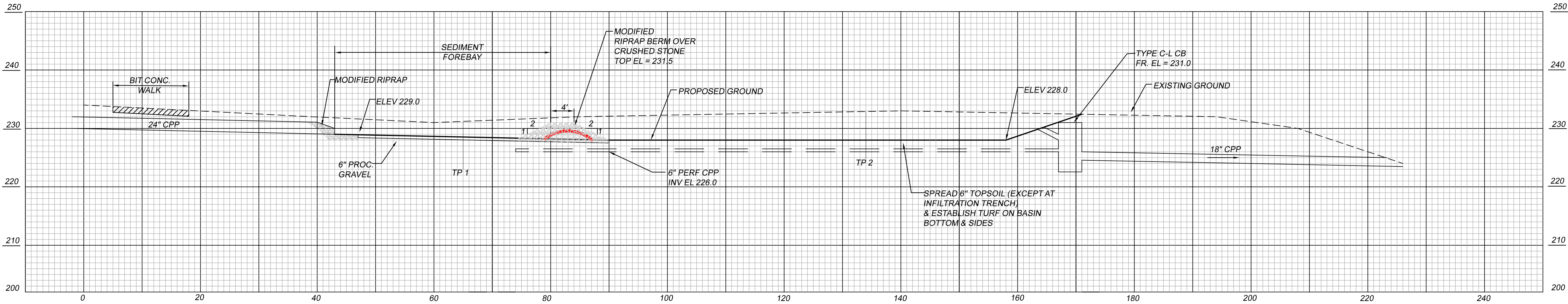


SECTION: POURED CONCRETE
STEPS WITH CHEEK WALL
NOT TO SCALE



STAIRWAY CROSS SECTION

1" = 2'



STORM WATER INFILTRATION BASIN SECTION

1" = 10'

TEST PIT RESULTS

TEST PITS RECORDED ON 12-28-22
BY JANET BLANCHETTE, PE ON

TEST PIT 1

0-12" TOPSOIL AND FILL
12" - 16" ORIGINAL TOPSOIL
16" - 90" LAYERED GRAY AND TAN COARSE SAND AND GRAVEL

ROOTS AT 53"
WATER AT 84"

TEST PIT 2

0-8" TOPSOIL
8" - 36" GRAY COARSE SAND AND GRAVEL
36" - 96" TAN/ORANGE FINE TO MEDIUM SAND WITH SILT
WATER AT 84"

CONSTRUCTION DETAILS
PREPARED FOR
THE TOWN OF PUTNAM
KENNEDY DRIVE AND ROUTE 44, PUTNAM, CT

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N. GROSVENORDALE, CT 06255
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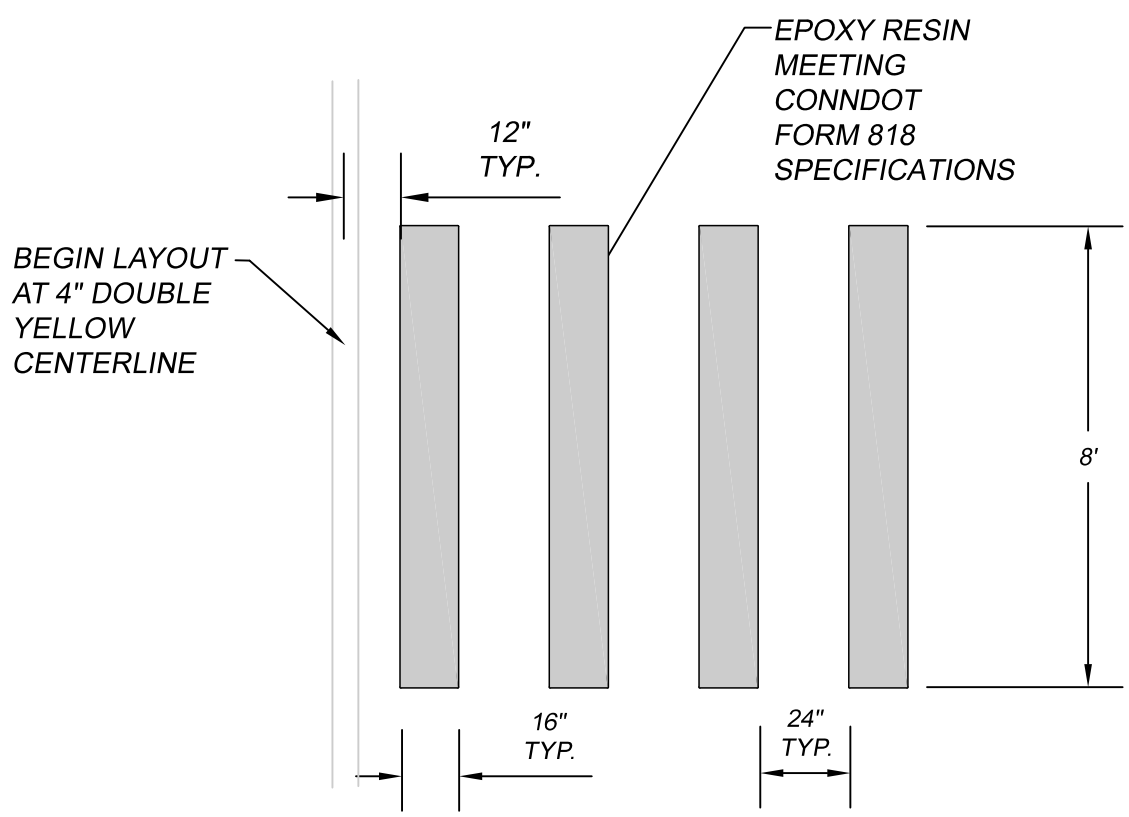
REVISIONS:

JOB NO: 21283

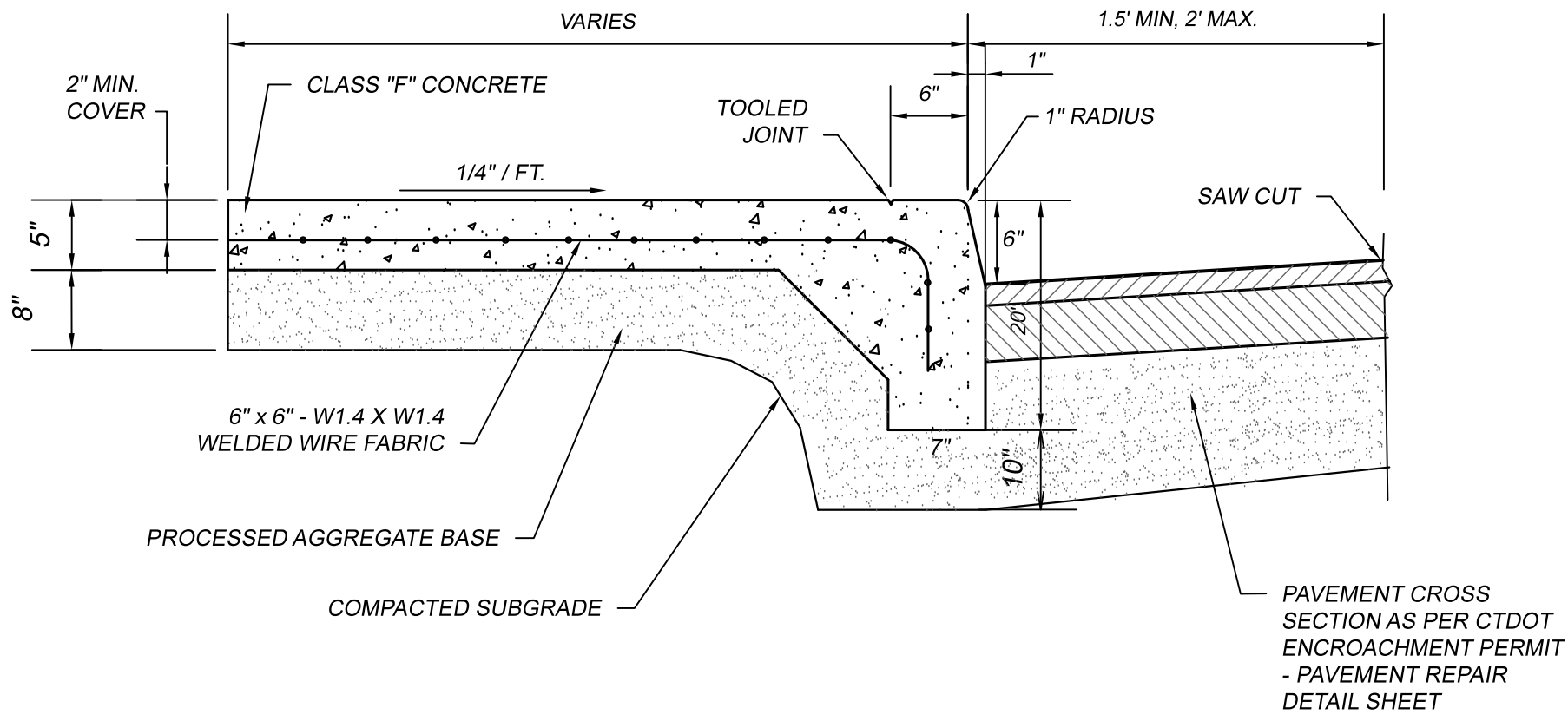
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DATE: FEBRUARY 29, 2024

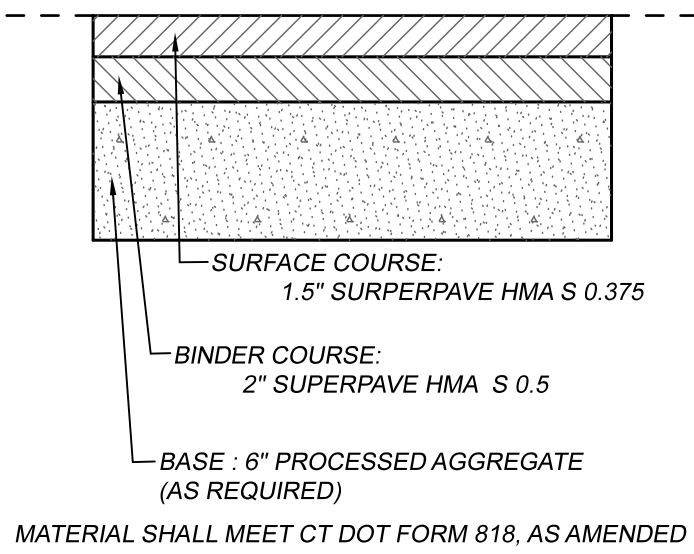
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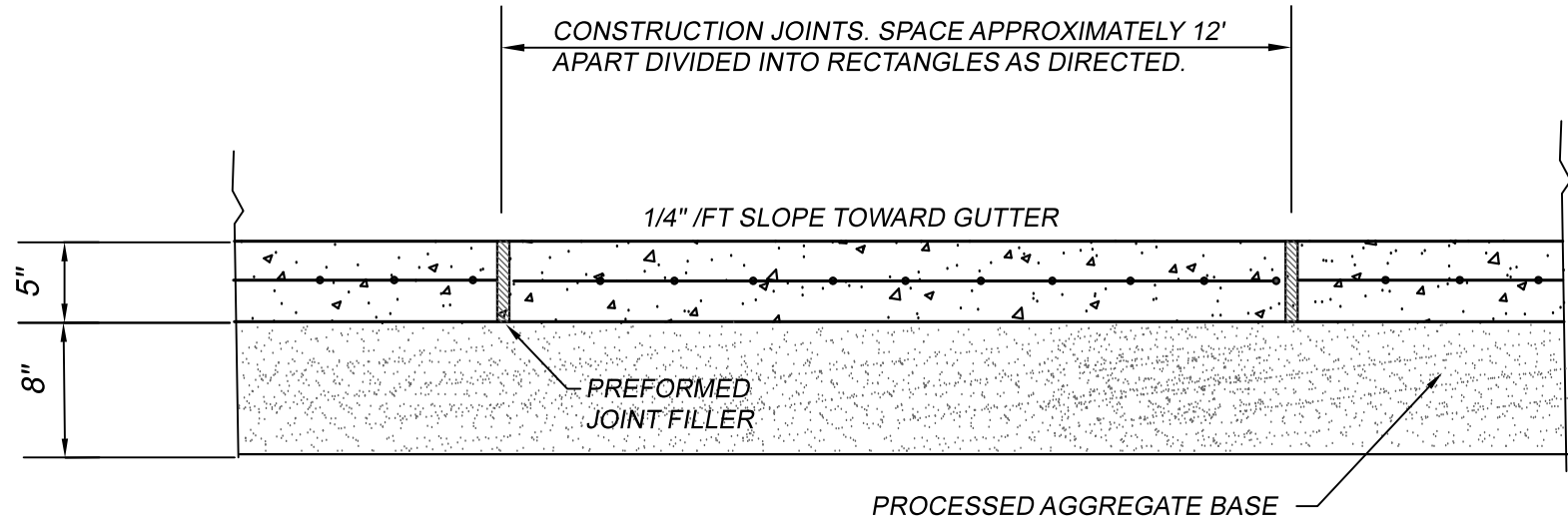
CROSS WALK PAVEMENT MARKINGS
N.T.S.



CROSS SECTION

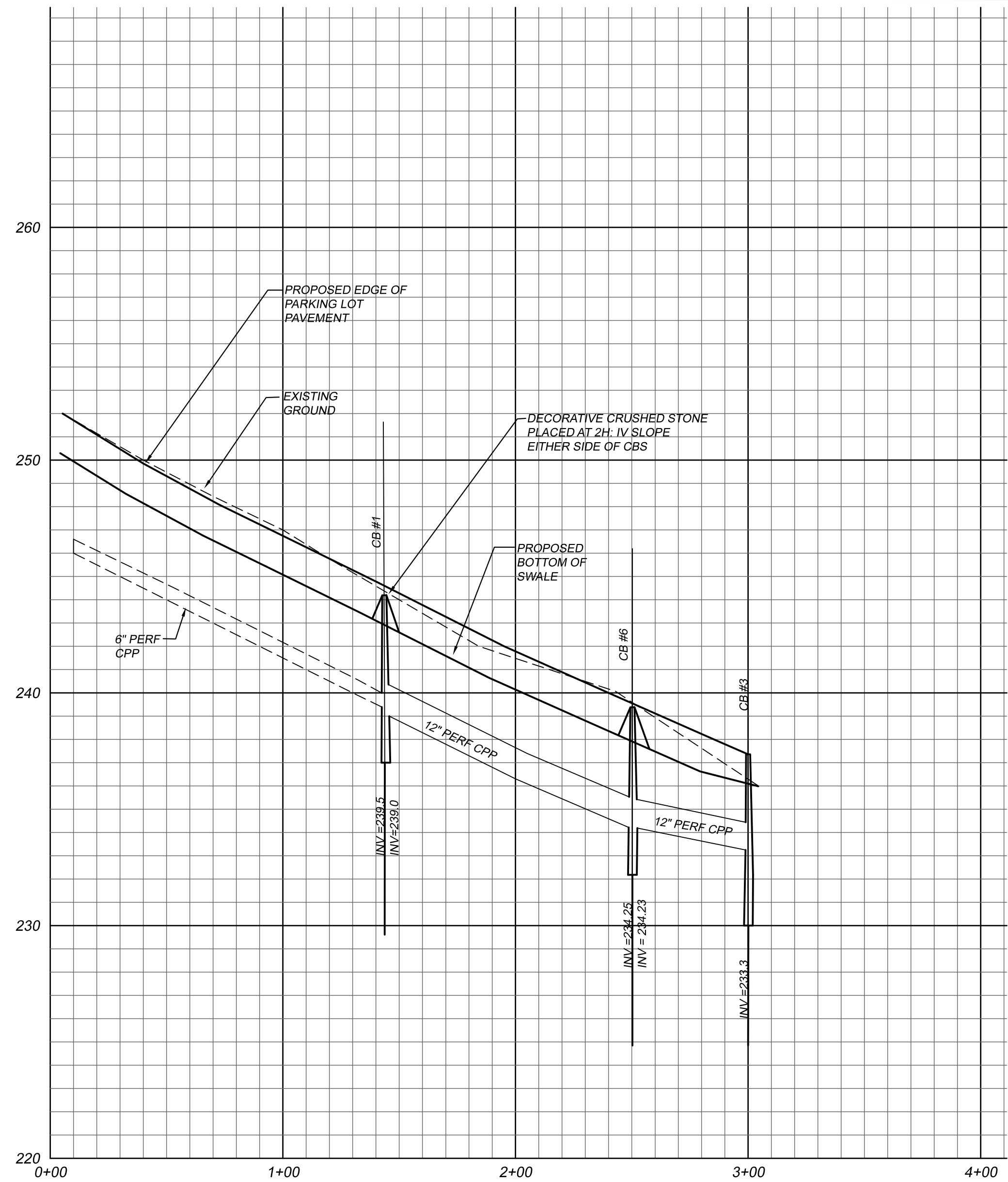


TYPICAL PARKING LOT SECTION
NOT TO SCALE



LONGITUDINAL SECTION

TOWN OF PUTNAM STANDARD MONOLITHIC
CONCRETE SIDEWALK AND CURB SECTION
NOT TO SCALE



INFILTRATION SWALE PROFILE

1" = 40' H
1" = 4' V

TEST PIT RESULTS

TEST PITS RECORDED ON 12-28-22
BY JANET BLANCHETTE, PE ON

TEST PIT 1

0-12" TOPSOIL AND FILL
12" - 16" ORIGINAL TOPSOIL
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WATER AT 84"

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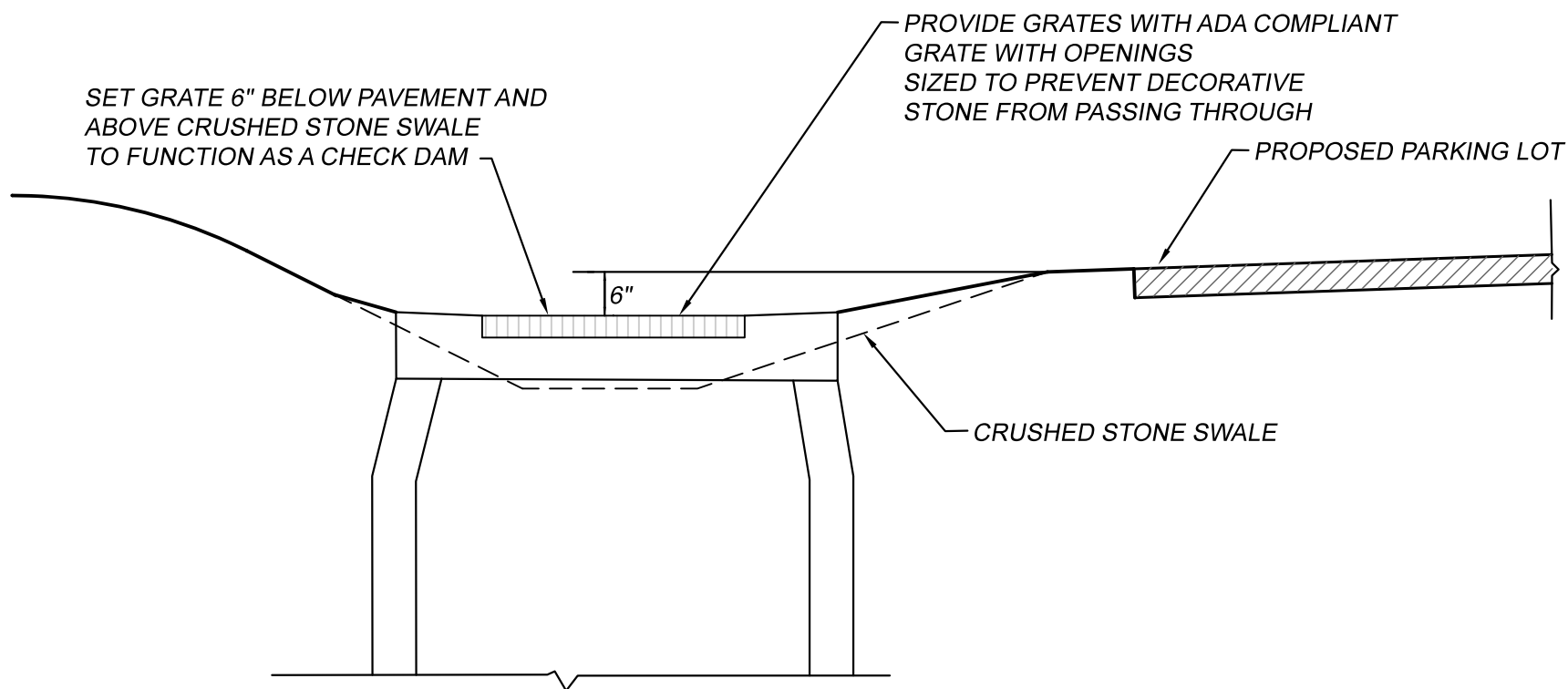
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JOB NO: 21283

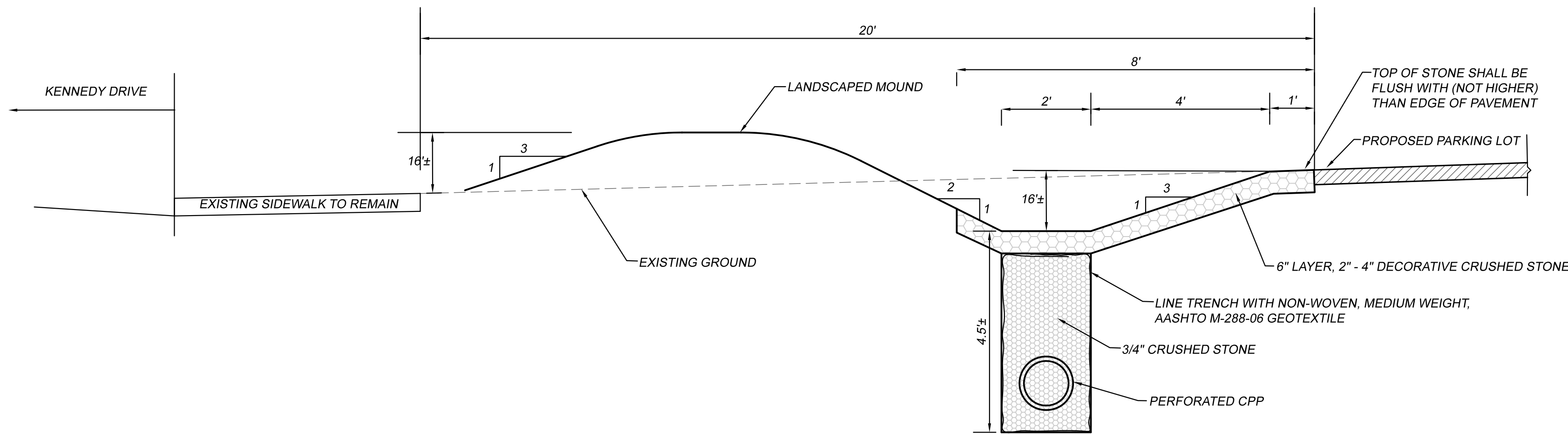
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DATE: FEBRUARY 29, 2024

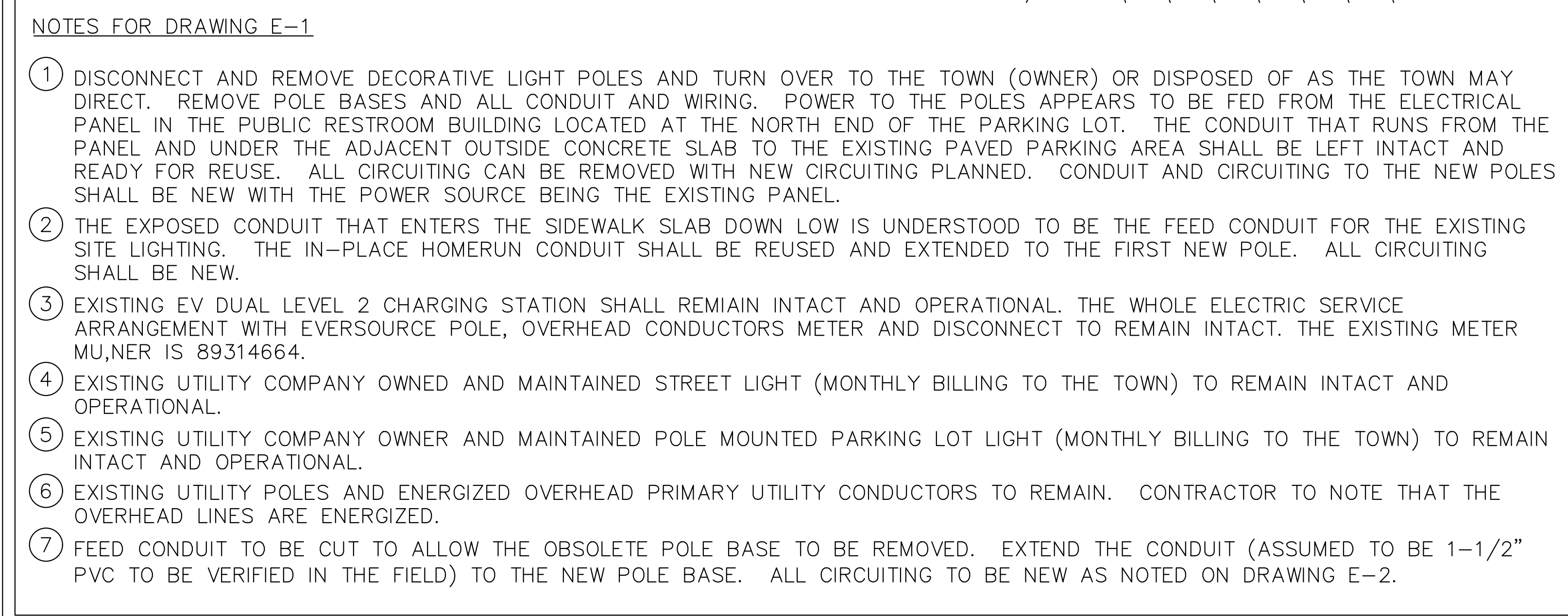
SHEET: 12



TYPE C-L CATCHBASIN IN SWALE SECTION
1" = 2'



DRAINAGE INFILTRATION SWALE SECTION
1" = 2'

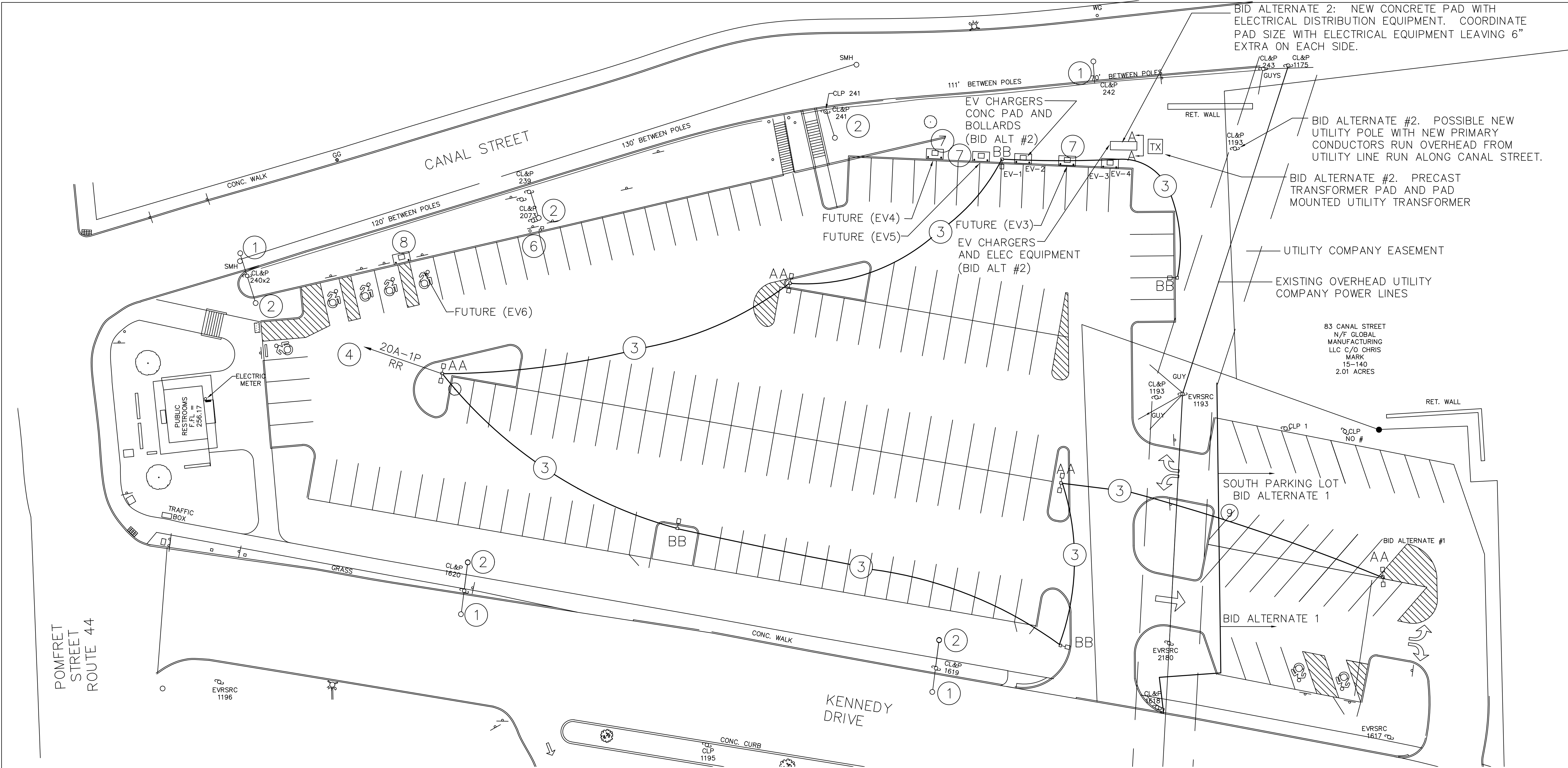


GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

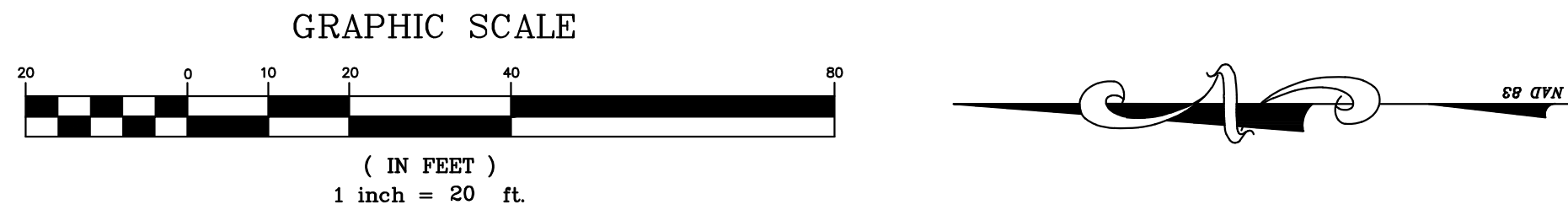
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09 07N

DATE: FEB 29, 2024		REV #		REVISION	
SCALE: AS NOTED				DATE	
<div style="display: flex; justify-content: space-between;"> <div> <p>E-1</p> <p>SITE ELECTRICAL DEMOLITION PLAN</p> </div> <div> <p>KENNEDY DRIVE MUNICIPAL PARKING LOT RECONSTRUCTION</p> <p>KENNEDY DRIVE PUTNAM, CT 06260</p> </div> </div>		<p>FACILITY SERVICES & ENGINEERING, INC.</p> <p>42 RIDGE BROOK DRIVE PUTNAM, CT 06260 TEL: (860) 742-4170</p> <p>MECHANICAL / ELECTRICAL ENGINEER</p>			



- NOTES FOR DRAWING E-2
- EXISTING UTILITY COMPANY OWNED AND MAINTAINED STREET LIGHT (MONTHLY BILLING TO THE TOWN) TO REMAIN.
 - EXISTING UTILITY POLE WITH UTILITY COMPANY OWNED AND MAINTAINED PARKING LOT LIGHT TO REMAIN. (MONTHLY BILLING TO THE TOWN TO REMAIN)
 - 1" PVC RUN BETWEEN POLE BASES WITH 2 #8 & 1 #10 GND.
 - WIRE SITE LIGHTING CIRCUIT HOMERUN TO NEW 20A-2P CIRCUIT BREAKER INSTALLED IN RESTROOM PANEL 'RR'. FIXTURES TO BE CONTROLLED SOLELY BY THE PHOTOCCELL INTEGRAL WITH THE FIXTURE.
 - SPARE
 - EXISTING DUAL CHARGER TO REMAIN INTACT AND OPER .
 - EMPTY 4" PVC CONDUIT RUN FROM SWITCHBOARD 'H1' PAD LOCATION TO FUTURE EVA CHARGING STATION. CAP CONDUIT AT THE PAD LOCATION TO MAKE THE CONDUIT IT MICE TIGHT. TERMINATE CONDUIT AT 6" BELOW GRADE WITH A CAP READY FOR EXTENSION SHOULD THE FUTURE EVA CHARGER BE INSTALLED. FURNISH AND INSTALL A 1/4" POLY PULL ROPE IN CONDUIT COILED AT EACH END. WORK TO BE INCLUDED AS PART OF BASE BID.
 - EMPTY 4" PVC CONDUIT RUN FROM SWITCHBOARD 'H1' PAD LOCATION TO FUTURE EVA CHARGING STATION AT ACCESSIBLE PARKING SPACES. CAP CONDUIT AT THE PAD LOCATION TO MAKE THE CONDUIT MICE TIGHT. TERMINATE CONDUIT AT 6" BELOW GRADE WITH A CAP READY FOR EXTENSION SHOULD THE FUTURE EVA CHARGER BE INSTALLED. FURNISH AND INSTALL A 1/4" POLY PULL ROPE IN CONDUIT COILED AT EACH END. WORK TO BE INCLUDED AS PART OF BASE BID.

SITE ELECTRICAL PLAN



- STUB EMPTY CONDUIT AT BID ALTERNATE #1 LINE AT 30" BELOW GRADE AND MARK TERMINATION SPOT AS PART OF BASE BID. EXTEND CONDUIT FROM THE TERMINATION SPOT TO THE TYPE BB LIGHT FIXTURE WITH WIRING RUN BETWEEN LIGHT POLES AS PART OF BID ALTERNATE #1.

REVISION	
REV #	DATE / ISSUE

FACILITY SERVICES & ENGINEERING, INC.

83 STICKERDRIVE DRIVE
PUTNAM, CT 06238-1343
TEL (860) 742-4170
MECHANICAL / ELECTRICAL ENGINEER

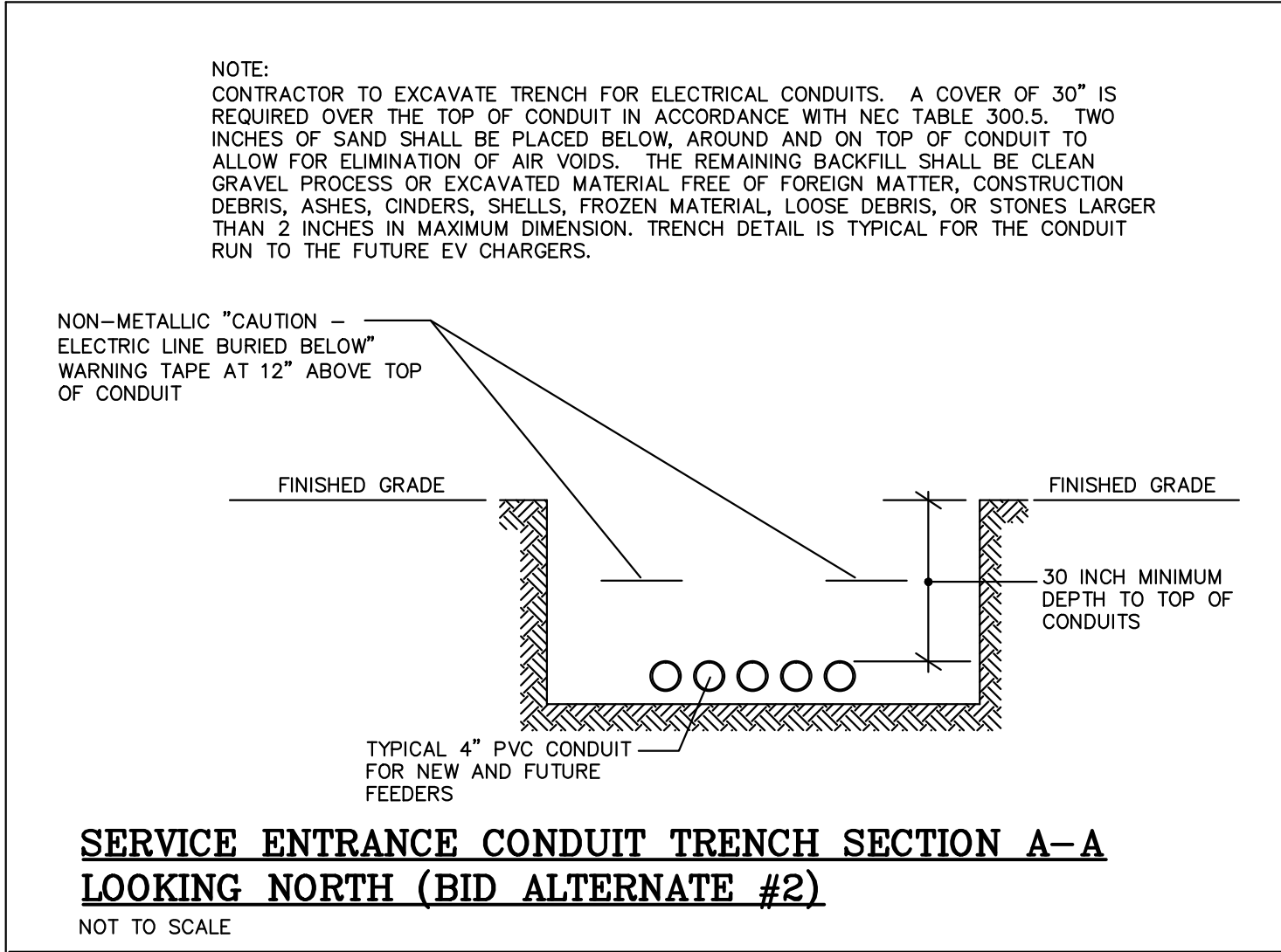
KENNEDY DRIVE MUNICIPAL PARKING LOT RECONSTRUCTION

KENNEDY DRIVE
PUTNAM, CT 06260

SITE ELECTRICAL PLAN

DATE: FEB 29, 2024
SCALE: AS NOTED

E-2



SCHEDULE - PANEL 'H1' (TO BE FURNISHED AND INSTALLED AS PART OF BID ALTERNATE #2)
1600A W/ 16000 MCB WITH LSIG, 480/277, 3ø, 4W 45,000 AIC, FREESTANDING NEMA 3R ENCLOSURE WITH ROOF PITCHED TO THE BACK.

CIRCUIT BREAKER NUMBER	LOAD DESIGNATION	CIRCUIT BREAKER	CONNECTED LOAD - Kilo Volt-Amperes (VA)	PHASE	CIRCUIT BREAKER	LOAD DESIGNATION	CIRCUIT BREAKER NUMBER
1	EV-1 / EV-2 LEVEL 3 DUAL CHARGER (320 KW)	500A-3P	107	107	107	500A-3P	2
3	EV-1 / EV-2 LEVEL 3 DUAL CHARGER (320 KW)	500A-3P	107	107	107	EV-3 / EV-4 LEVEL 3 DUAL CHARGER (320 KVA)	4
5	EV-1 / EV-2 LEVEL 3 DUAL CHARGER (320 KW)	500A-3P	107	107	107	EV-3 / EV-4 LEVEL 3 DUAL CHARGER (320 KVA)	6
7	EV-1 / EV-2 LEVEL 3 DUAL CHARGER (320 KW)	500A-3P	107	107	107	EV-3 / EV-4 LEVEL 3 DUAL CHARGER (320 KVA)	8
9	FUTURE DUAL LEVEL 3 CHARGER	500A-3P	107	107	107	FUTURE DUAL LEVEL 3 CHARGER	10
11	FUTURE DUAL LEVEL 3 CHARGER	500A-3P	107	107	107	FUTURE DUAL LEVEL 3 CHARGER	12
13	FUTURE DUAL LEVEL 3 CHARGER	500A-3P	107	107	107	FUTURE DUAL LEVEL 3 CHARGER	14
15	FUTURE DUAL LEVEL 3 CHARGER	500A-3P	107	107	107	FUTURE DUAL LEVEL 3 CHARGER	16
17	FUTURE DUAL LEVEL 3 CHARGER	500A-3P	107	107	107	FUTURE DUAL LEVEL 3 CHARGER	18
19	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	20
21	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	22
23	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	24
25	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	26
27	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	28
29	SPACE	SPACE	SPACE	SPACE	SPACE	INTERNAL SPACE HEATER	30

INCOMING SERVICE SECTION
- SYSTEM VOLTAGE: 480/277 VOLT, 3-PHASE, 4-WIRE
- MAINS RATING: 1600 AMPERE
- CERTIFICATION: UL
- NEUTRAL: 100 PERCENT
- SERVICE ENTRANCE LISTING: YES
- SHORT CIRCUIT RATING: 46,000 AMPERE
- AVAILABLE FAULT CURRENT TO SWITCHBOARD: 46,000 AMPERES
- SERIES RATING: 46,000 AMPERES
- INCOMING FEEDER CABLES: BOTTOM RIGHT HAND THRU PULL SECTION OR AS COORDINATED IN FIELD
- STANDARD MECHANICAL LUGS: SIX PER PHASE AND NEUTRAL
- SINGLE SHIPPING SECTIONS WITH SECTION COMBINED WITH UTILITY COMPARTMENT FOR COLD SEQUENCE METERING AND E/V AND CT PROVISIONS AND MAIN BREAKER. METER COMPARTMENT MUST BE ON THE EVERSOURCE LIST OF PREAPPROVED METERING EQUIPMENT

MAIN DISCONNECT
- 1600 AMPERE RATED CIRCUIT BREAKER W/ 1600 AMPERE TRIP UNIT WITH LSIG UNIT AND
- REDUCED ENERGY LET THROUGH FUNCTION ADJUSTMENT CAPABILITY
- MANUALLY OPERATED MAIN
- GROUND FAULT PROTECTION
- PAD LOCK CAPABILITY
- BREAKER KEY INTERLOCK AS NOTED ON BREAKER / KEY INTERLOCK SCHEME

SWITCHBOARD CONSTRUCTION
- NEMA 3R ENCLOSURE - FRONT ACCESS ONLY WITH ANSI 61 LIGHT
- GRAY FINISH
- BUS: TIN FINISHED ALUMINUM NON-TAPERED THROUGH BUS WITH BUS CROSS SECTION BASED ON 65 DEGREE RISE
- SINGLE SHIPPING SECTIONS
- 90 INCH HIGH SECTIONS
- PROVIDE VERTICAL BUSSING IN DISTRIBUTION SECTION FOR MAXIMUM C/B SPACE
- FEEDER CIRCUIT BREAKERS TO BE 800A FRAME WITH AMPERE RATING PLUG TO ALLOW FLEXIBILITY WITH CHANGES IN THE CHARGER RATINGS. INITIALLY FURNISH EACH BREAKER WITH A 500A RATING PLUG. THE BREAKER FOR THE HEATER SHALL HAVE A 100A FRAME.

OPTIONS
- FURNISH SWITCHBOARD WITH AN INTERNAL NOMINAL 2 KW, 480V SINGLE PHASE ELECTRIC HEATER CONTROLLED BY AN INTERNAL THERMOSTAT TO REDUCE CONDENSATION INSIDE THE SWITCHBOARD.

ACCEPTABLE MANUFACTURERS: SQUARE D, GE/ABB, SIEMENS, OR EATON

