

GENERAL PROJECT NOTES:

1. BOUNDARY & TOPOGRAPHIC INFORMATION IS BASED UPON FIELD SURVEY & AERIAL TOPOGRAPHIC SURVEY PREPARED BY: CIVIL 1, INC.
2. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION OR ORDERING OF ANY DRAINAGE STRUCTURES. CALL "CALL BEFORE YOU DIG", 1-800-922-4455. CONTRACTOR SHALL LOCATE EXISTING UTILITIES IN CONSTRUCTION AREA WITH TEST PITS AND/OR UNDERGROUND SURVEY SERVICES AS NEEDED AT ANY CROSSING OR TIE-IN LOCATIONS. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER FOR RESOLUTION.
3. CIVIL 1 ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
4. ALL PROPOSED UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE, CABLE TELEVISION AND GAS ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
5. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING UTILITY LOCATIONS & ELEVATIONS IN THE FIELD WITH TEST PITS WHEREVER EXISTING UTILITIES ARE ADJACENT TO PROPOSED WORK AND FOR TAKING ALL NECESSARY STEPS TO PROTECT THEM FROM DAMAGE. ANY UTILITY THAT IS DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND STRUCTURES. THOSE OF WHICH HAVE BEEN DAMAGED SHALL BE PROMPTLY REPAIRED TO EXISTING OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
8. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL CONNECTICUT - 2002", AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL. THE CONTRACTOR MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
9. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL. AND BE SEEDED WITH GRASS OR SODDED, AS SHOWN ON THE PLANS.
10. ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE INDICATED.
11. ALL GRAVITY SANITARY SEWER PIPE SHALL BE PVC SDR35 UNLESS OTHERWISE INDICATED.
12. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
13. THE CONTRACTOR SHALL ADJUST ELEVATIONS OF ALL EXISTING STORM, SANITARY SEWER, AND PRIVATE UTILITY MANHOLE FRAMES AND COVERS, AND ALL UTILITY CAPS AND COVERS SO THEY ARE FLUSH WITH FINISHED GRADES. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK.
14. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE BOROUGH OF NAUGATUCK REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 818 AND ADDENDUMS. ALL WORK ON BOROUGH OF NAUGATUCK PROPERTY SHALL BE CONSTRUCTED TO BOROUGH REQUIREMENTS, THE STATE OF CONNECTICUT BASIC BUILDING CODE AND THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL. WHEN IN CONFLICT BOROUGH OF NAUGATUCK REQUIREMENTS SHALL GOVERN OVER FORM 818 AND STATE STANDARDS.
15. CONTRACTOR TO PLUG ALL EXISTING PIPES WHERE CURRENT DRAINAGE SYSTEM IS TO BE ABANDONED UNLESS OTHERWISE NOTED ON PLANS.
16. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ACTIVE EXISTING DRIVEWAYS TO BUSINESSES, RESIDENCES AND BOROUGH FACILITIES DURING CONSTRUCTION TO THE GREATEST EXTENT PRACTICABLE WITH BRIEF CLOSURES ALLOWED FOR FINAL PAVING OR OTHER RESTRICTING ACTIVITIES.
17. CLOSURE OF THE ROADWAYS SHALL BE COORDINATED WITH THE BOROUGH OF NAUGATUCK. THE CONTRACTOR SHALL INFORM THE BOROUGH TWO WEEKS IN ADVANCE OF THE SCHEDULED CLOSURE. CONTRACTOR SHALL PROVIDE ACCESS OR MAINTAIN A DETOUR FOR EMERGENCY VEHICLES AT ALL TIMES.
18. THE CONTRACTOR SHALL RESET ANY DISTURBED MONUMENTS TO THE PROPER ELEVATION AND LOCATION AT HIS OWN EXPENSE. (THE ENGINEER MUST BE NOTIFIED WHEN THIS IS DONE.)
19. CONTRACTOR IS RESPONSIBLE FOR MINIMIZING THE AREA OF EROSION-PRONE EXPOSED SOILS. ALL SOILS TO BE EXPOSED FOR OVER 30 DAYS SHALL BE MULCHED. CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROLS, AND AUGMENTED AS NEEDED TO MINIMIZE EROSION.
20. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.
21. COMPLIANCE WITH ANY PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
22. CATCH BASINS DAMAGED OR FILLED WITH DEBRIS DURING CONSTRUCTION SHALL BE REPLACED OR CLEANED AT THE CONTRACTOR'S EXPENSE. ALL CATCH BASINS SHALL BE CLEANED OUT AFTER FINAL STABILIZATION OF THE SITE.
23. THE CONTRACTOR IS HEREBY REMINDED THAT TITLE 16 CHAPTER 293 OF THE CONNECTICUT GENERAL STATUTES REQUIRES NOTIFICATION TO UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 811 OR 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO EXCAVATION, BUT NO MORE THAN 30 DAYS IN ADVANCE.
24. LINE AND GRADE FOR CONSTRUCTION LAYOUT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL UTILIZE A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF CONNECTICUT TO PERFORM CONSTRUCTION LAYOUT. THE CONTRACTOR SHALL SUBMIT THE NAME OF THE SURVEYOR TO THE ENGINEER AT LEAST 3 WEEKS PRIOR TO BEGINNING WORK.
25. ANY PUBLIC OR PRIVATE PROPERTY DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED AS QUICKLY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.
26. EACH LAYER OF MATERIAL USED FOR BACKFILL OR SUBGRADE SHALL BE COMPACTED UNTIL THE DRY DENSITY OF EACH LAYER IS AT LEAST 95% OF THE DRY DENSITY ACHIEVED BY THE AASHTO TEST T180, METHOD D FOR THAT SOIL. MAXIMUM LAYER THICKNESS NOT TO EXCEED 12".
27. A STREET OPENING PERMIT IS REQUIRED FOR ALL WORK WITHIN THE BOROUGH OF NAUGATUCK RIGHT-OF-WAY.
28. ALL RETAINING WALLS GREATER THAN FOUR (4) FEET ARE REQUIRED TO BE DESIGNED, AND INSPECTED DURING CONSTRUCTION BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. CERTIFICATION OF THE RETAINING WALL SHALL BE REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY AND/OR BOND RELEASE.
29. CERTIFICATION WILL BE REQUIRED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT THAT WORK HAS BEEN COMPLETED IN COMPLIANCE WITH THE APPROVED DRAWINGS.
30. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A FINAL AS-BUILT LOCATION PLAN OF ALL IMPROVEMENTS THAT IS TO BE REQUIRED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
31. THE CONSTRUCTION SHALL COMPLY WITH THE BOROUGH OF NAUGATUCK ORDINANCES AND THE WATER POLLUTION CONTROL AUTHORITY "STANDARD CONDITIONS FOR SANITARY SEWER EXTENSIONS AND SANITARY SEWER CONSTRUCTION". SANITARY SEWER LINES MUST BE VIDEO INSPECTED AND SANITARY SEWER LINES AND MANHOLES MUST BE PRESSURE TESTED PRIOR TO ACCEPTANCE.
32. BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT CONTACT: JIM STEWART - BOROUGH ENGINEER - 203-720-7071.
33. PROPOSED UTILITY IMPROVEMENTS (ELECTRIC, TELEPHONE, CABLE, GAS, WATER) SHOWN ARE UNDER REVIEW BY THE APPROPRIATE UTILITY COMPANY AND THEREFORE THERE MAY BE ADDITIONAL FUTURE REVISIONS REQUIRED FOR THE CONSTRUCTION DRAWINGS. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES FOR ANY NEW INSTALLATION, ABANDONMENTS OR REMOVALS OF EXISTING UTILITIES AS INDICATED ON PLANS.
34. STOCKPILING AND CONSTRUCTION STAGING AREAS AS SHOWN ON THE PLANS SHALL BE CLEANED OF CONSTRUCTION DEBRIS AFTER CONSTRUCTION IS COMPLETE AND STABILIZED AT THE DIRECTION OF THE BOROUGH ENGINEER.
35. UTILITIES THAT ARE SHOWN TO BE STUBBED ONTO THE FUTURE BUILDING LOTS SHALL BE MARKED WITH A 2X4 POST THAT IS LABELED APPROPRIATELY. STUB LOCATIONS SHALL ALSO BE SURVEYED AND INCLUDED ON THE FINAL AS-BUILT THAT IS REQUIRED TO BE PROVIDED BY THE SITE CONTRACTOR AFTER CONSTRUCTION.

NAUGATUCK INDUSTRIAL PARK III

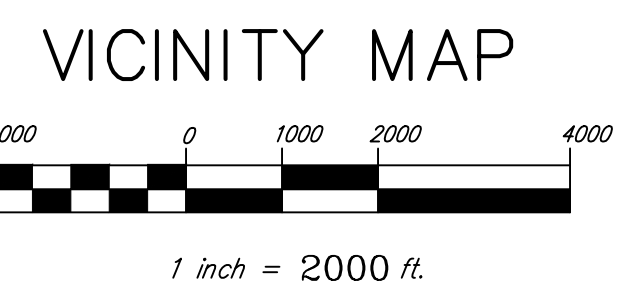
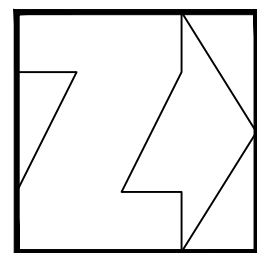
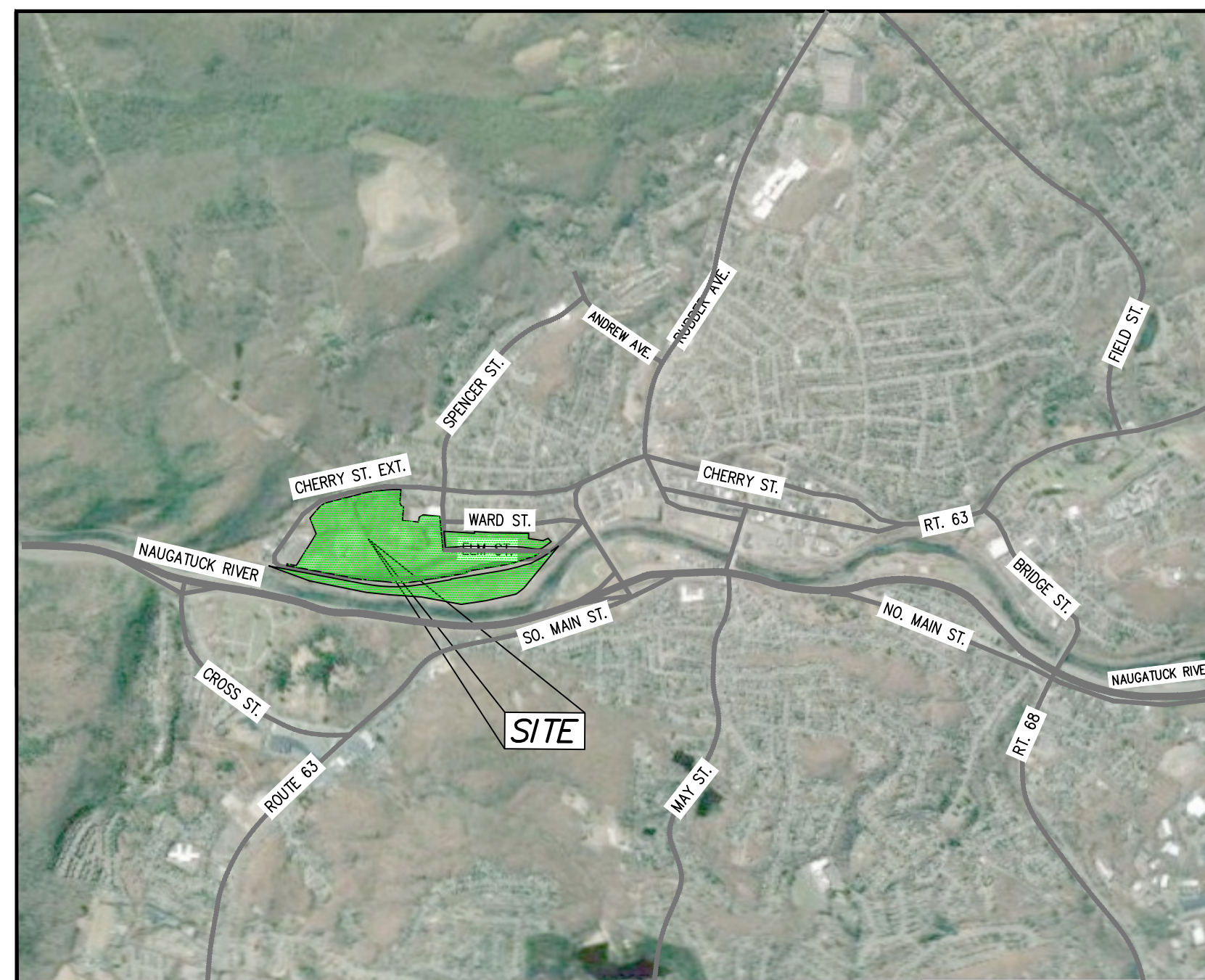
PHASE 1

INFRASTRUCTURE BIDDING PLANS

BOROUGH OF NAUGATUCK

ISSUED FOR BID

SHEET NO.	DRAWING NO.	DESCRIPTION
1	-	COVER SHEET
2	C 1.0	OVERALL EXISTING CONDITIONS PLAN
3	C 1.0 D	OVERALL EXISTING CONDITIONS & DEMOLITION PLAN
4	C 1.1	EXISTING CONDITIONS PLAN
5	C 1.2	EXISTING CONDITIONS PLAN
6	C 1.3	EXISTING CONDITIONS PLAN
7	C 1.4	EXISTING CONDITIONS PLAN
8	C 1.5	EXISTING CONDITIONS PLAN
9	C 1.6	EXISTING CONDITIONS PLAN
10	C 2.0	OVERALL SITE PLAN
11	C 2.1	SITE PLAN
12	C 2.2	SITE PLAN
13	C 2.3	SITE PLAN
14	C 2.4	SITE PLAN
15	C 2.5	SITE PLAN
16	C 2.6	SITE PLAN
17	C 3.0	OVERALL GRADING, DRAINAGE & UTILITY PLAN
18	C 3.1	GRADING, DRAINAGE & UTILITY PLAN
19	C 3.2	GRADING, DRAINAGE & UTILITY PLAN
20	C 3.3	GRADING, DRAINAGE & UTILITY PLAN
21	C 3.4	GRADING, DRAINAGE & UTILITY PLAN
22	C 3.5	GRADING, DRAINAGE & UTILITY PLAN
23	C 3.6	GRADING, DRAINAGE & UTILITY PLAN & DRAINAGE STRUCTURE TABLES
24	C 4.0	OVERALL EROSION & SEDIMENT CONTROL PLAN
25	C 4.1	EROSION & SEDIMENT CONTROL PLAN
26	C 4.2	EROSION & SEDIMENT CONTROL PLAN
27	C 4.3	EROSION & SEDIMENT CONTROL PLAN
28	C 4.4	EROSION & SEDIMENT CONTROL PLAN
29	C 4.5	EROSION & SEDIMENT CONTROL PLAN
30	C 4.6	EROSION & SEDIMENT CONTROL PLAN
31	C 5.1	ROADWAY PROFILES - ELM STREET
32	C 5.2	ROADWAY PROFILES - ACCESS ROAD
33	C 5.3	DRIVEWAY PROFILES - LANXESS
34	C 5.4	DRIVEWAY PROFILES - LANXESS
35	C 5.5	STORM DRAINAGE PROFILES
36	C 5.6	STORM DRAINAGE PROFILES
37	C 5.7	STORM DRAINAGE PROFILES
38	C 5.8	SANITARY SEWER PROFILES
39	C 6.1	DETAILS
40	C 6.2	DETAILS
41	C 6.3	DETAILS
42	C 6.4	DETAILS
43	C 6.5	DETAILS
44	C 6.6	DETAILS
45	C 7.1	CONSTRUCTION SEQUENCE, EROSION CONTROL NARRATIVE



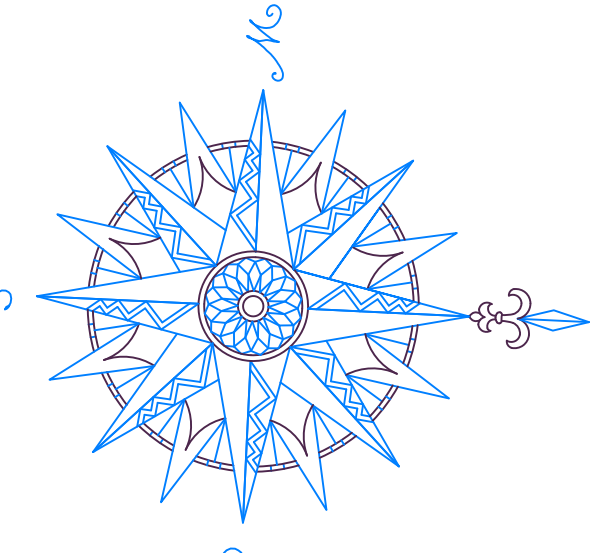
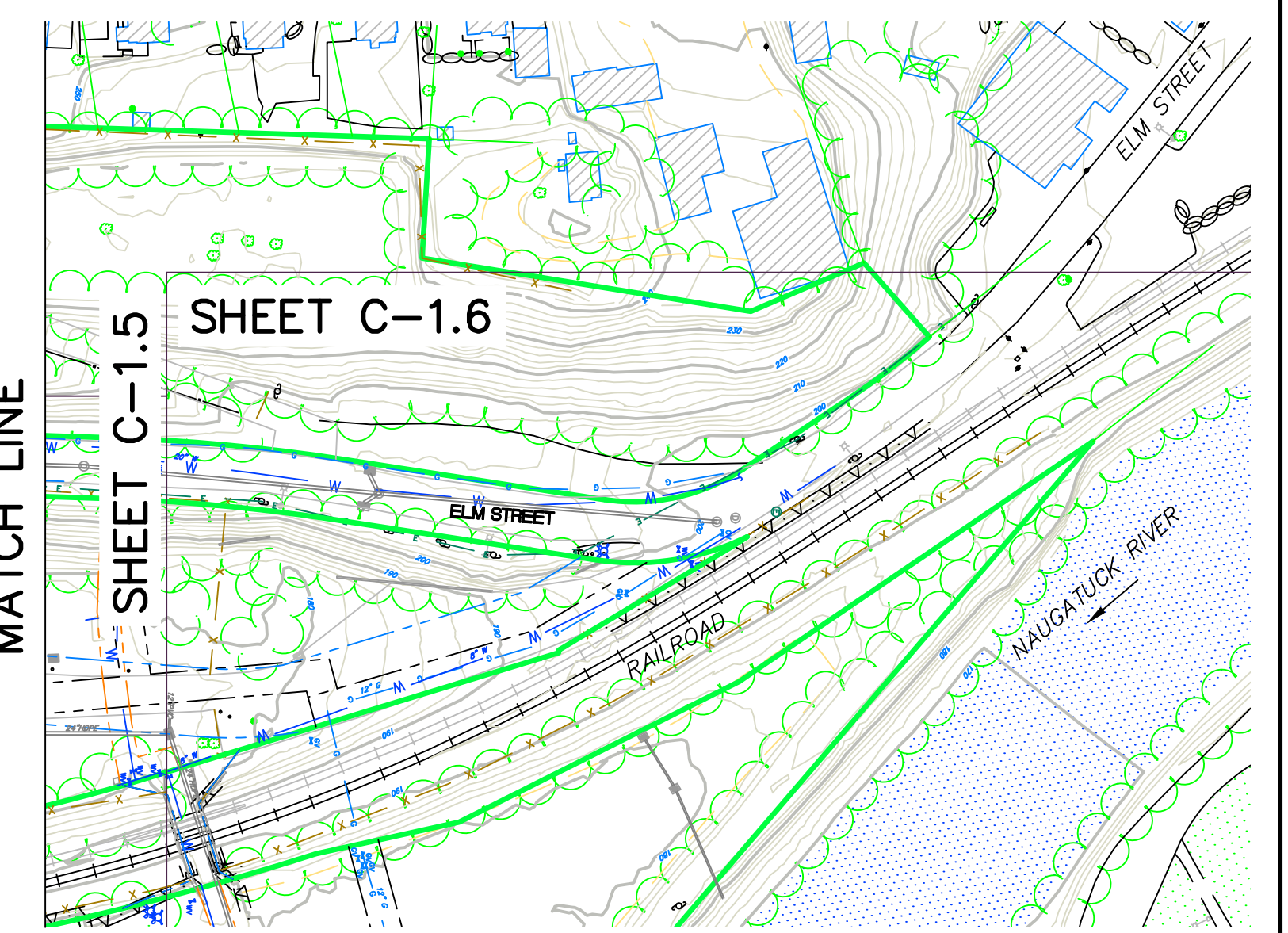
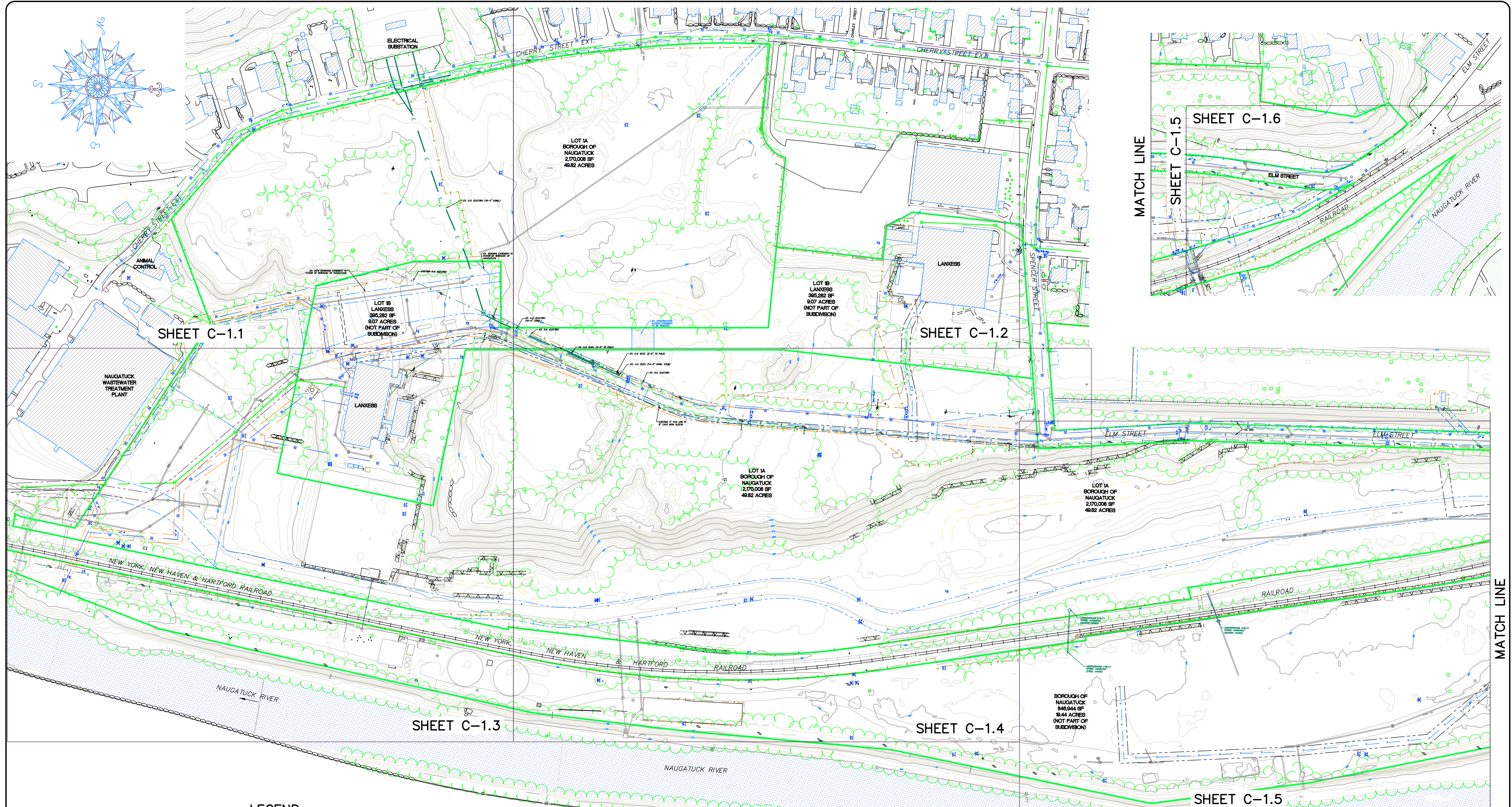
APPLICANT/OWNER
 BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

ENGINEER
 CIVIL 1, INC.
 43 SHERMAN HILL ROAD
 SUITE D-101
 WOODBURY, CT 06798

SURVEYOR
 ALL SEASONS LAND SURVEYING
 44 FAIR STREET
 WALLINGFORD, CT 06492



OCTOBER 16, 2024



SHEET C-1.1

SHEET C-1.2

SHEET C-1.3

SHEET C-1.4

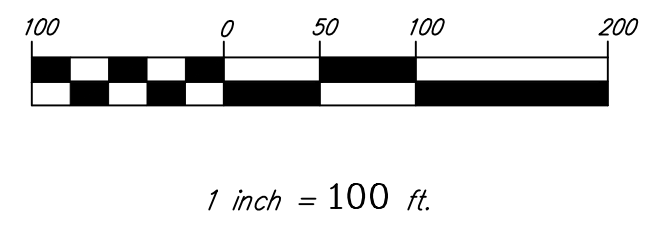
SHEET C-1.5

LEGEND

- | | | | |
|--|---|--|----------------------------------|
| | PROPERTY LINE | | EXISTING SANITARY SEWER EASEMENT |
| | MAJOR CONTOUR | | EXISTING WATER EASEMENT |
| | MINOR CONTOUR | | EXISTING GAS EASEMENT |
| | EXISTING CURB LINE | | CATCH BASIN |
| | CHAIN LINK FENCE | | STORM MANHOLE |
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| | EXISTING STORM SEWER | | WATER VALVE |
| | EXISTING CABLE | | GAS VALVE |
| | EXISTING UNDERGROUND ELECTRIC | | TRAFFIC BOX |
| | EXISTING OVERHEAD WIRES | | |
| | EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT | | |

NO.	REVISION	DATE

Previous Editions Obsolete



SURVEY NOTES:

- EXISTING CONDITIONS SURVEY PREPARED BY ALL SEASONS LAND SURVEYING, 44 FAIR STREET, WALLINGFORD, CT
- THIS MAP CONFORMS TO THE HORIZONTAL ACCURACY CLASS A-2.
- THIS MAP CONFORMS TO THE VERTICAL ACCURACY CLASS V-2.
- THIS MAP CONFORMS TO THE TOPOGRAPHIC ACCURACY CLASS T-2.
- BEARINGS ON THIS MAP ARE BASED ON REF. MAP #1 BELOW.
- ELEVATIONS ON THIS MAP ARE BASED ON NAVD 88 DATUM.
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MAP REFERENCE:

- "PROPERTY SURVEY EXHIBIT C: DECLARATION OF ENVIRONMENTAL LAND USE RESTRICTION AND GRANT OF EASEMENT PREPARED FOR CHEMTURA CORPORATION CHERRY & ELM STREETS, NAUGATUCK, CONNECTICUT" SCALE: 1"=50' 11-12-2010

BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

OVERALL EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

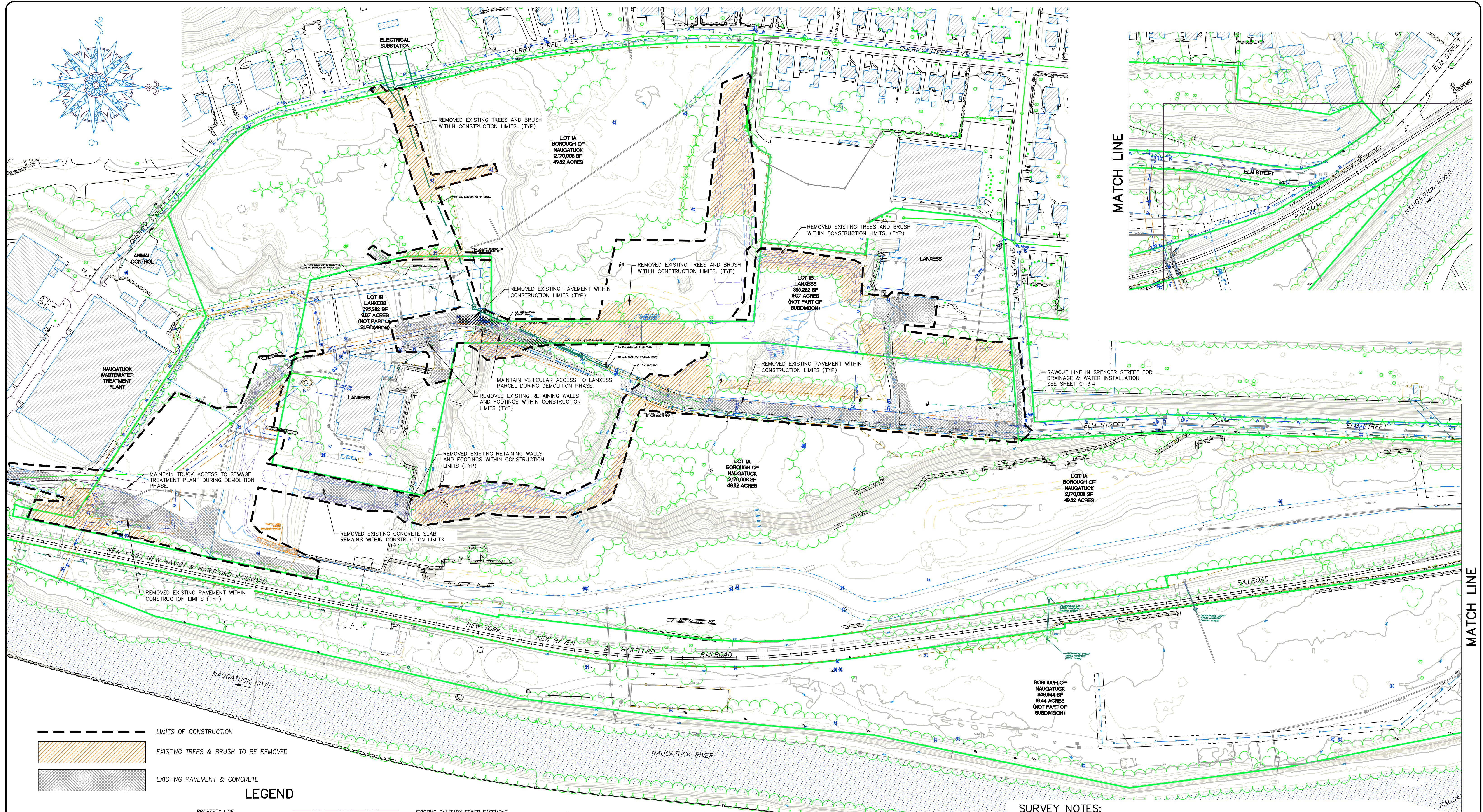
NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778 CONNECTICUT

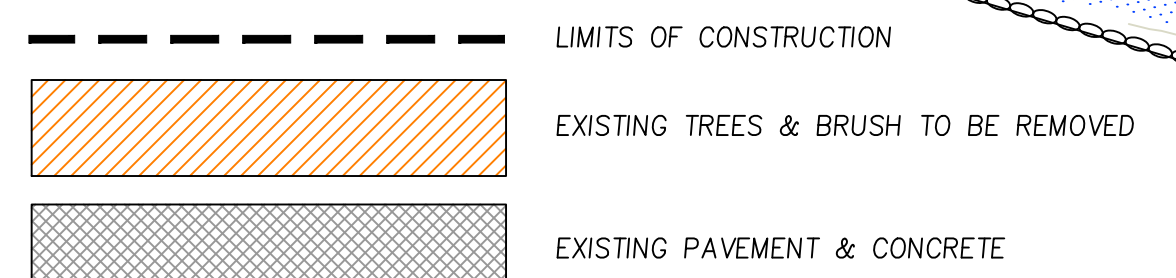


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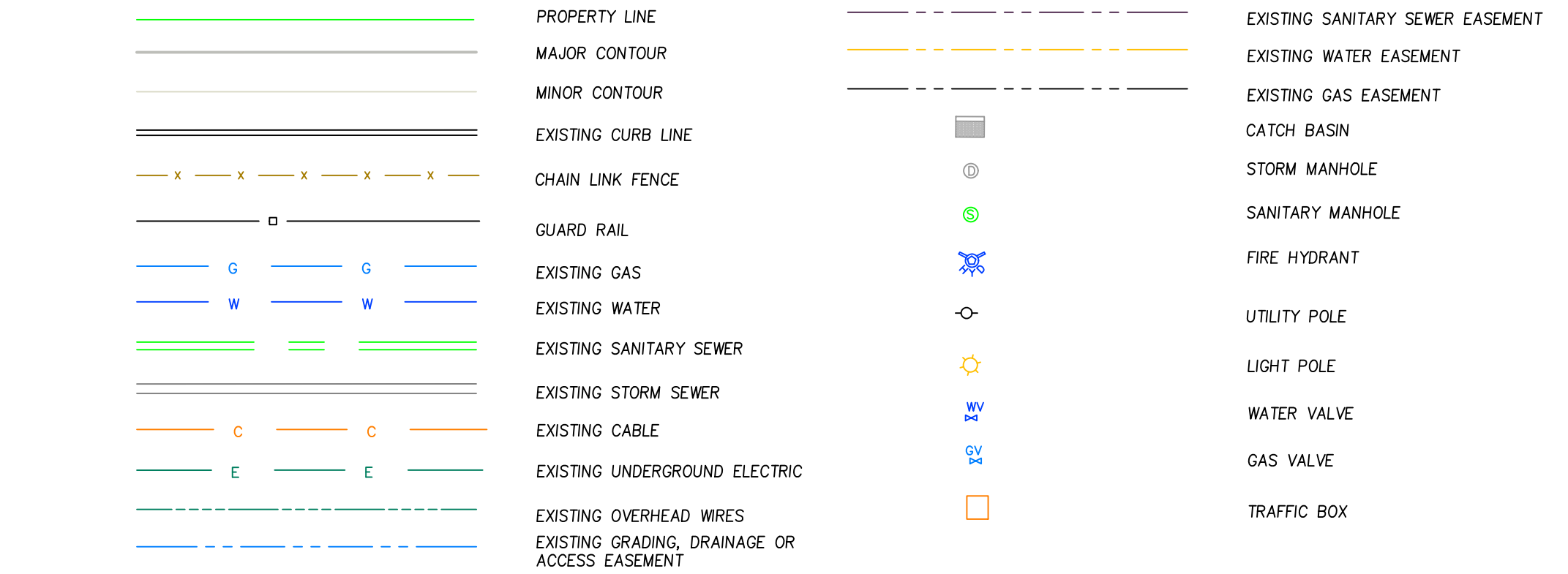


MATCH LINE

MATCH LINE

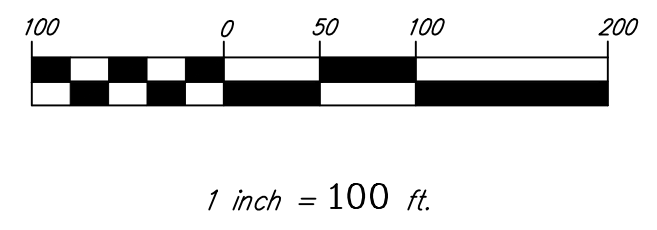


LEGEND



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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

**OVERALL EXISTING
 CONDITIONS PLAN &
 DEMOLITION PLAN**

**NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET**

NAUGATUCK CONNECTICUT

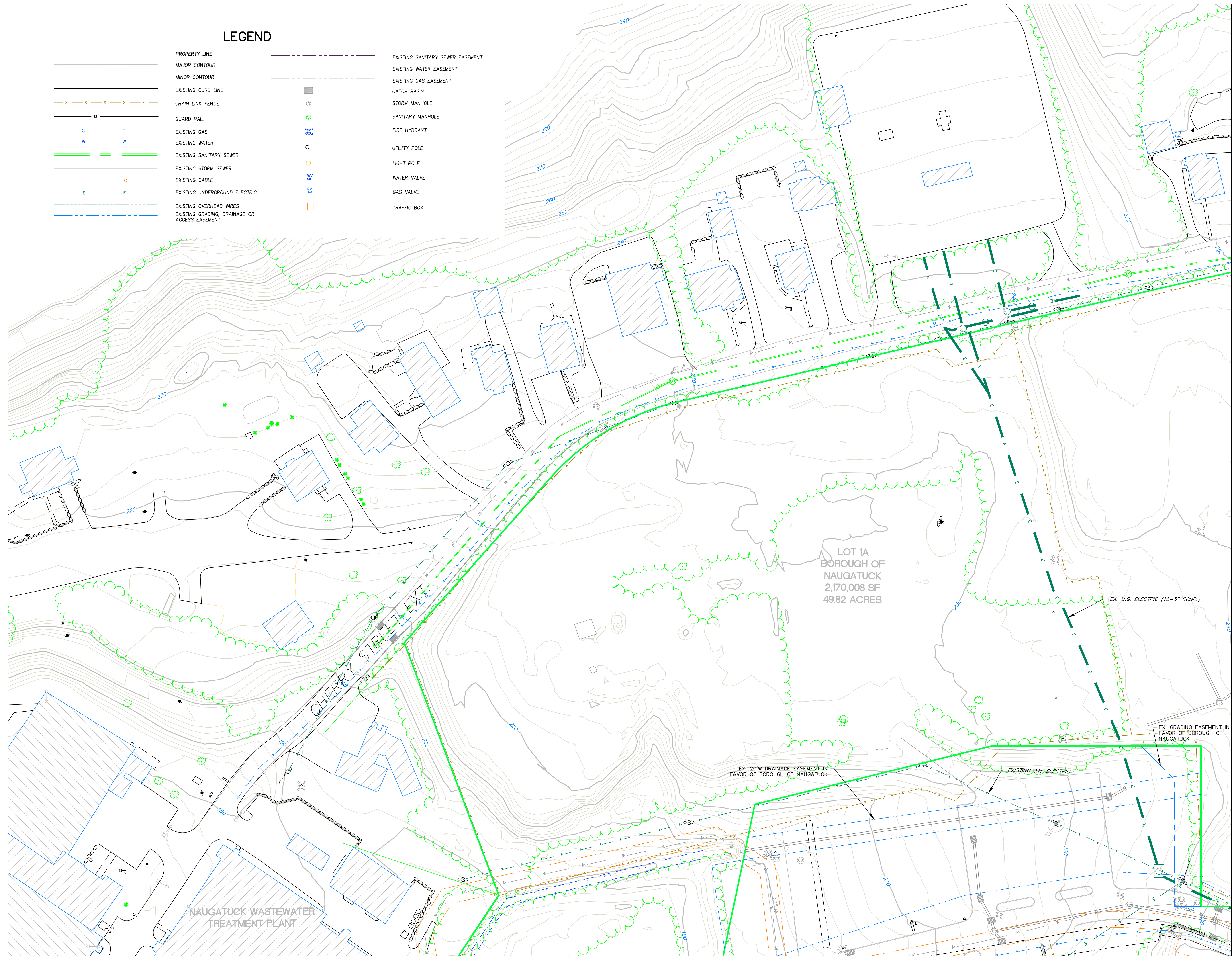
CIVIL C1
 CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778 CONNECTICUT



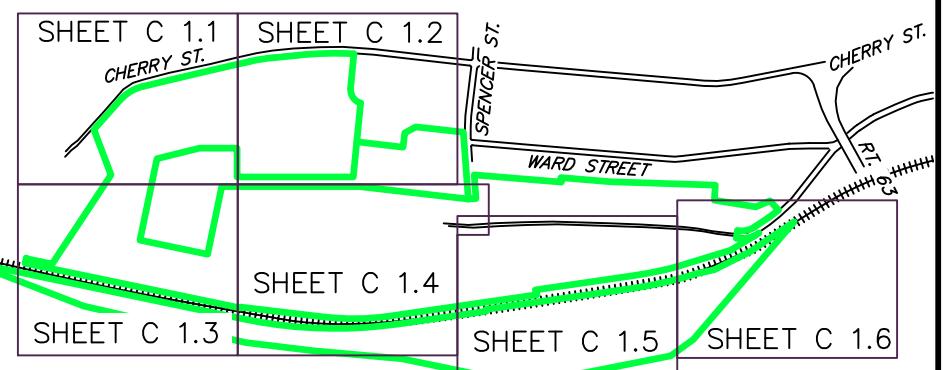
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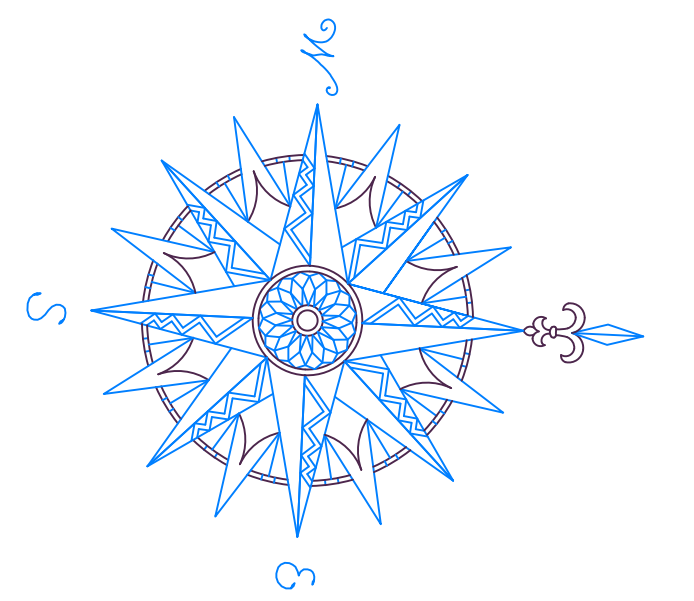
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|--|---|--|----------------------------------|
| | PROPERTY LINE | | EXISTING SANITARY SEWER EASEMENT |
| | MAJOR CONTOUR | | EXISTING WATER EASEMENT |
| | MINOR CONTOUR | | EXISTING GAS EASEMENT |
| | EXISTING CURB LINE | | CATCH BASIN |
| | CHAIN LINK FENCE | | STORM MANHOLE |
| | GUARD RAIL | | SANITARY MANHOLE |
| | EXISTING GAS | | FIRE HYDRANT |
| | EXISTING WATER | | UTILITY POLE |
| | EXISTING SANITARY SEWER | | LIGHT POLE |
| | EXISTING STORM SEWER | | WATER VALVE |
| | EXISTING CABLE | | GAS VALVE |
| | EXISTING UNDERGROUND ELECTRIC | | TRAFFIC BOX |
| | EXISTING OVERHEAD WIRES | | |
| | EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT | | |



MATCH LINE SHEET C 1.3

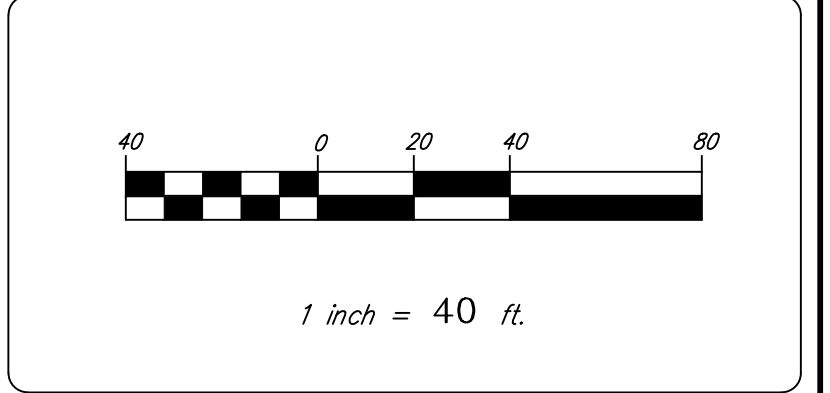


SHEET INDEX



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MATCH LINE SHEET C 1.2

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

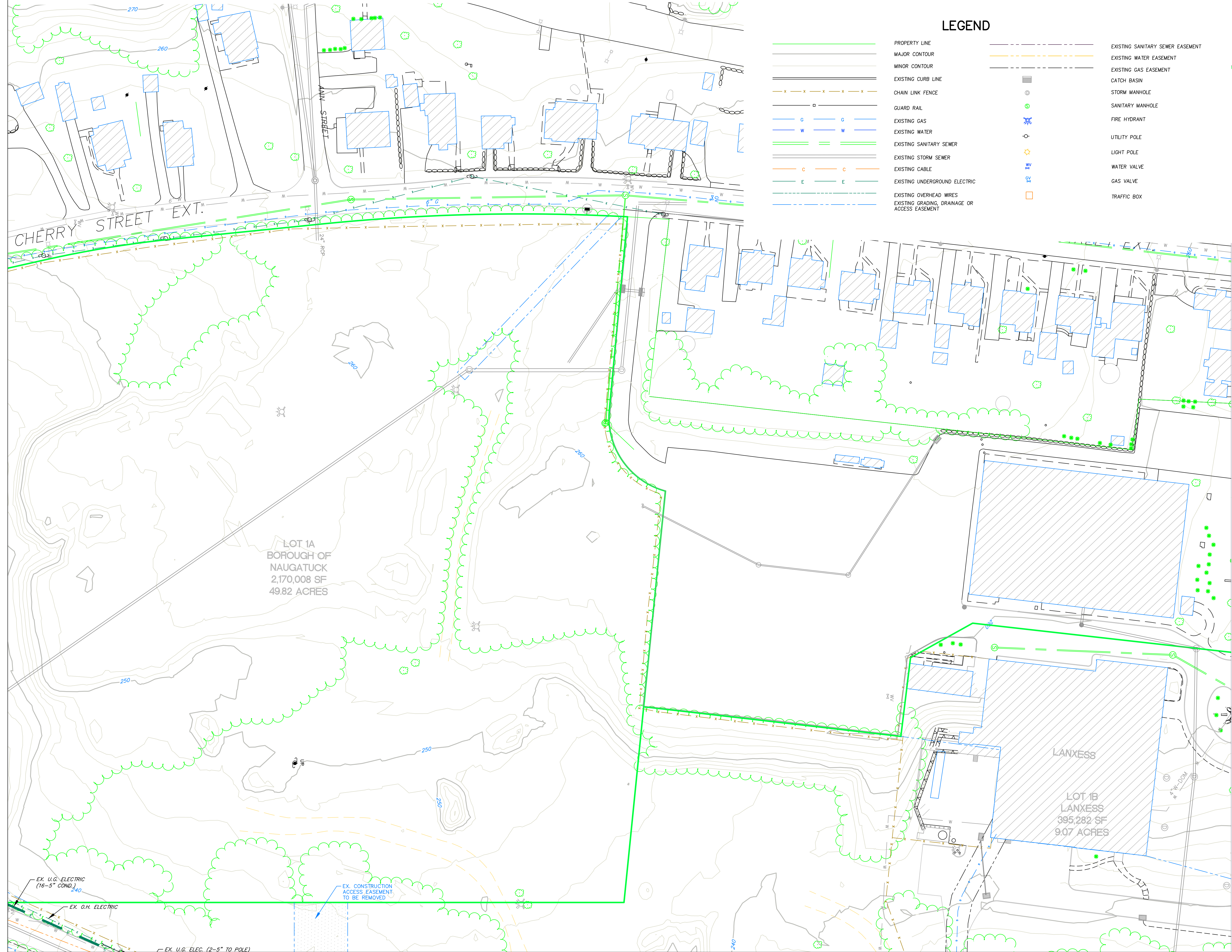
EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

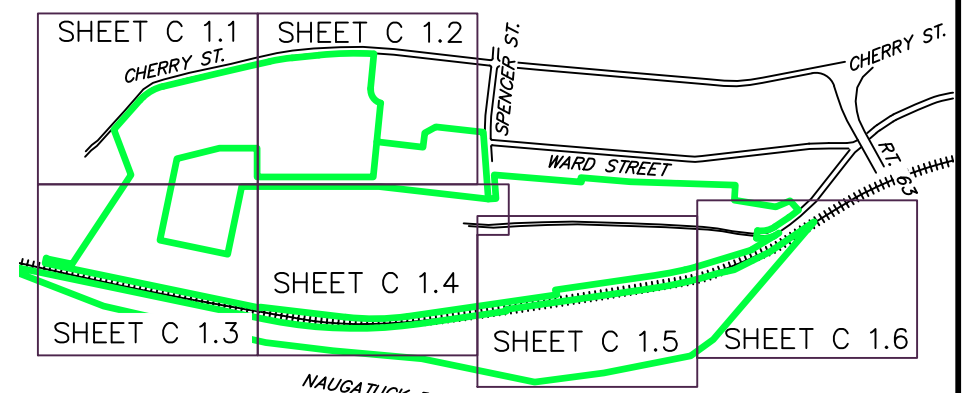
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

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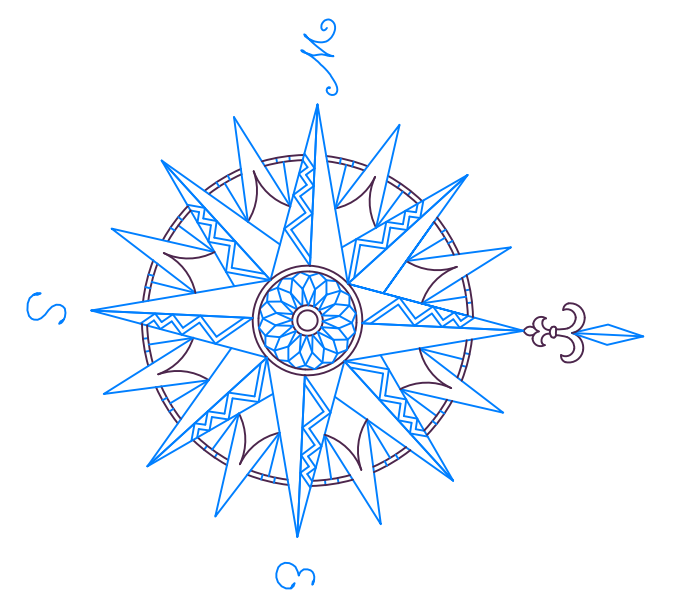


LEGEND

- PROPERTY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING CURB LINE
- x - x - x - x - CHAIN LINK FENCE
- o - GUARD RAIL
- G - G - EXISTING GAS
- W - W - EXISTING WATER
- - - EXISTING SANITARY SEWER
- - - EXISTING STORM SEWER
- C - C - EXISTING CABLE
- E - E - EXISTING UNDERGROUND ELECTRIC
- - - EXISTING OVERHEAD WIRES
- - - EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT
- - - EXISTING SANITARY SEWER EASEMENT
- - - EXISTING WATER EASEMENT
- - - EXISTING GAS EASEMENT
- CATCH BASIN
- STORM MANHOLE
- SANITARY MANHOLE
- FIRE HYDRANT
- UTILITY POLE
- LIGHT POLE
- WATER VALVE
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- TRAFFIC BOX

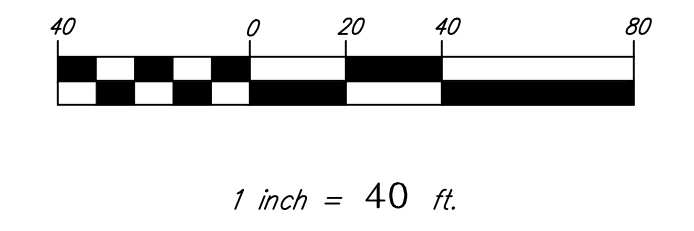


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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

Civil 1

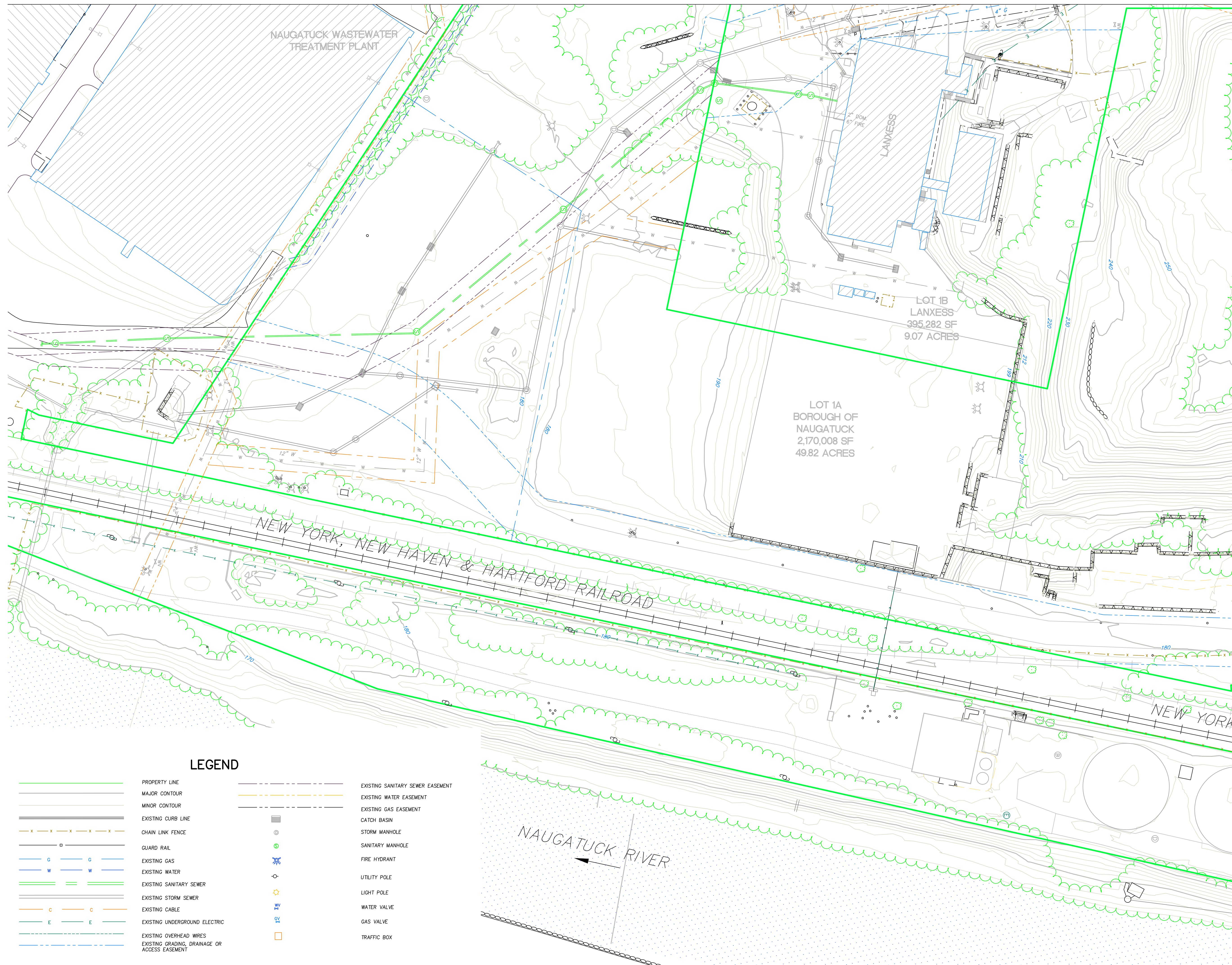
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CT 06798

STATE OF CONNECTICUT
 CURTIS C. JONES
 No. 0706
 PROFESSIONAL ENGINEERING

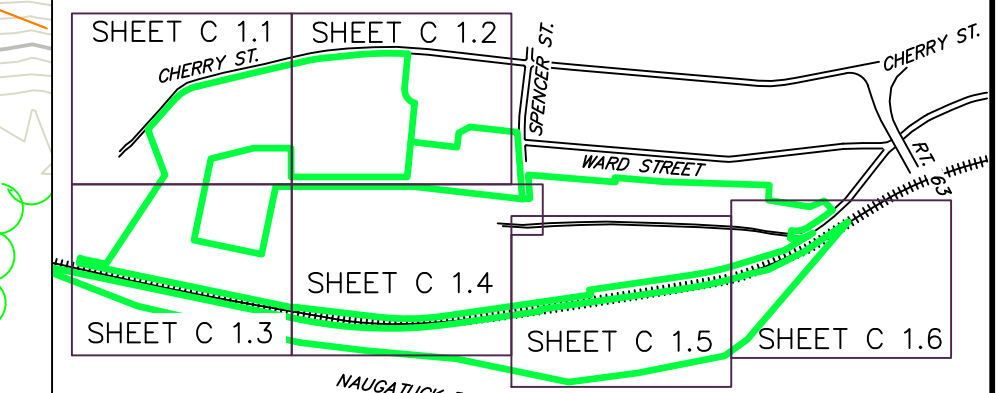
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 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-1.2**

MATCH LINE SHEET C 1.1

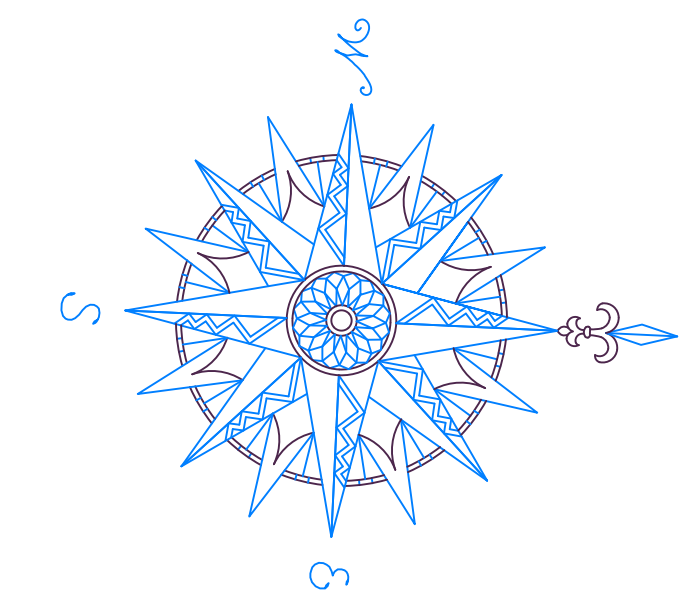
MATCH LINE SHEET C 1.4



MATCH LINE SHEET C 1.4

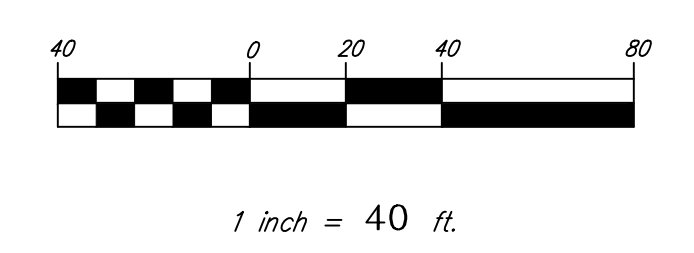


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

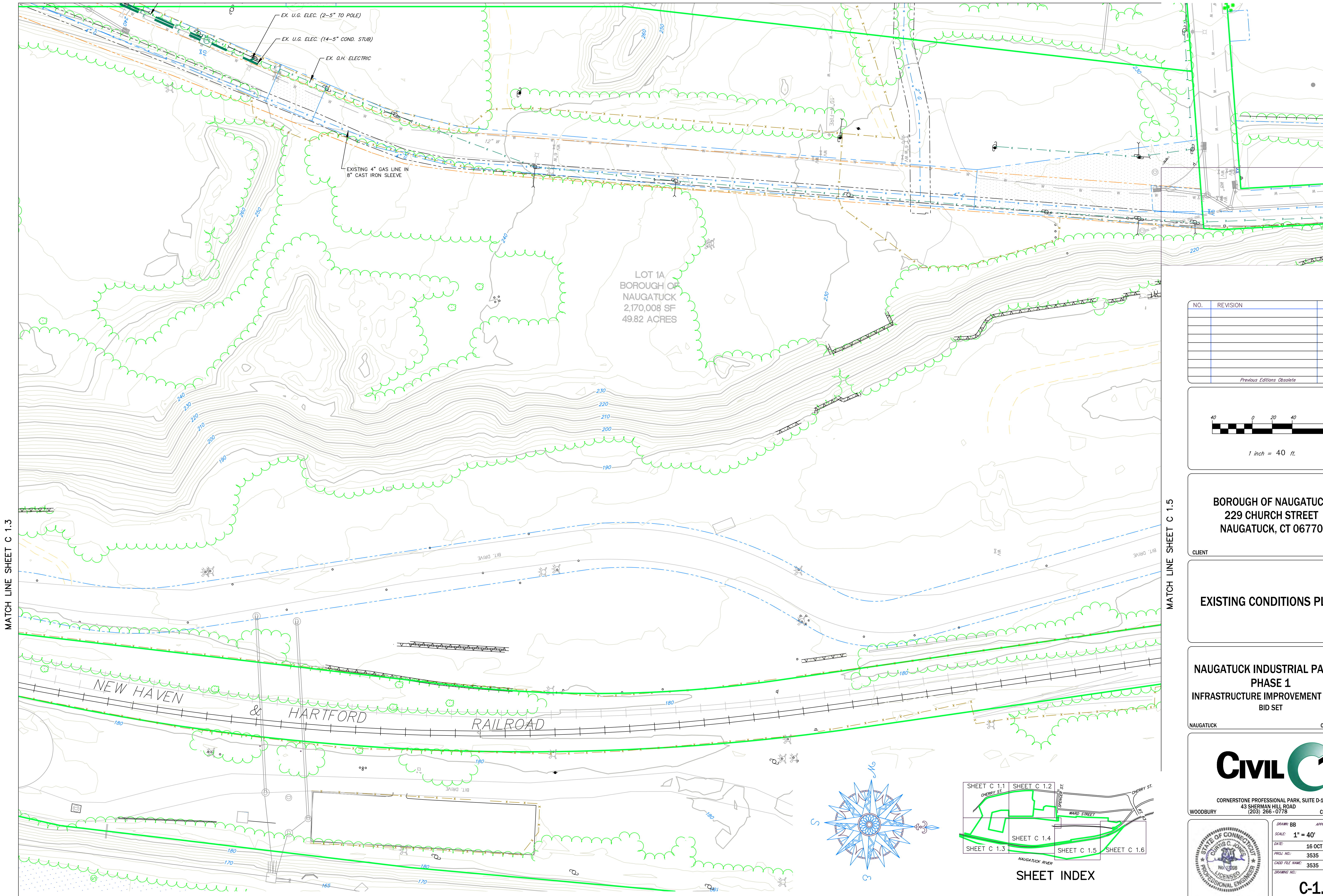
CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CONNECTICUT 06798
 (203) 266-0778

DRAWN: BB APPROVED: CJ
 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-1.3**

LEGEND

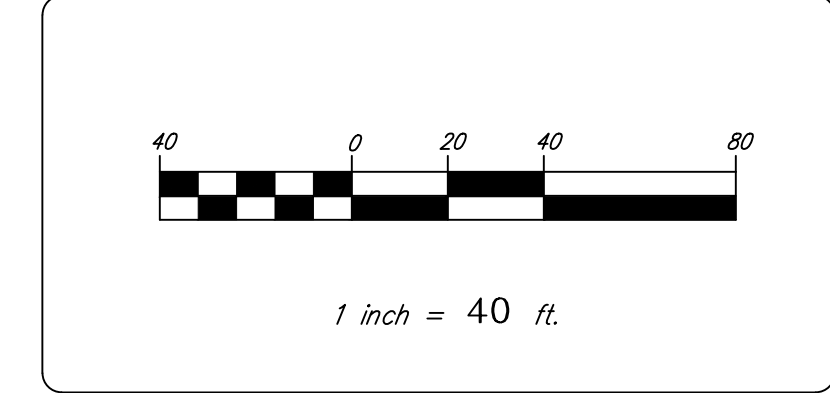
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|--|---|--|----------------------------------|
| | PROPERTY LINE | | EXISTING SANITARY SEWER EASEMENT |
| | MAJOR CONTOUR | | EXISTING WATER EASEMENT |
| | MINOR CONTOUR | | EXISTING GAS EASEMENT |
| | EXISTING CURB LINE | | CATCH BASIN |
| | CHAIN LINK FENCE | | STORM MANHOLE |
| | GUARD RAIL | | SANITARY MANHOLE |
| | EXISTING GAS | | FIRE HYDRANT |
| | EXISTING WATER | | UTILITY POLE |
| | EXISTING SANITARY SEWER | | LIGHT POLE |
| | EXISTING STORM SEWER | | WATER VALVE |
| | EXISTING CABLE | | GAS VALVE |
| | EXISTING UNDERGROUND ELECTRIC | | TRAFFIC BOX |
| | EXISTING OVERHEAD WIRES | | |
| | EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT | | |



LOT 1A
BOROUGH OF
NAUGATUCK
2,170,008 SF
49.82 ACRES

NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

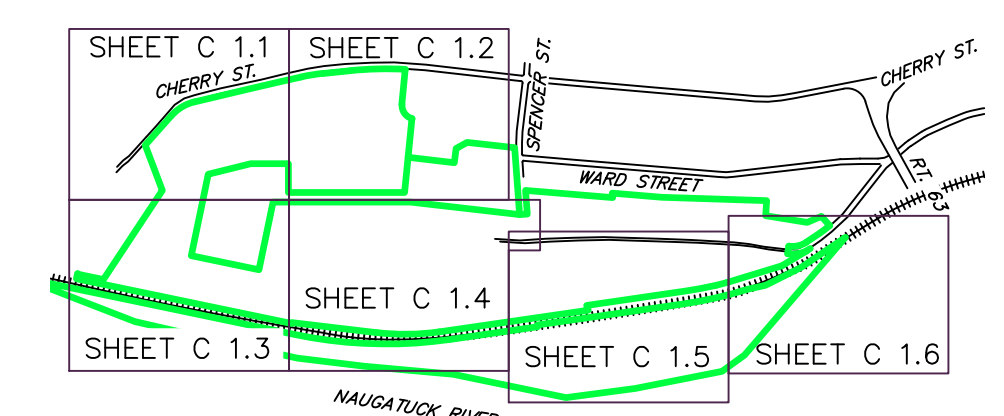
NAUGATUCK CONNECTICUT

Civil C1

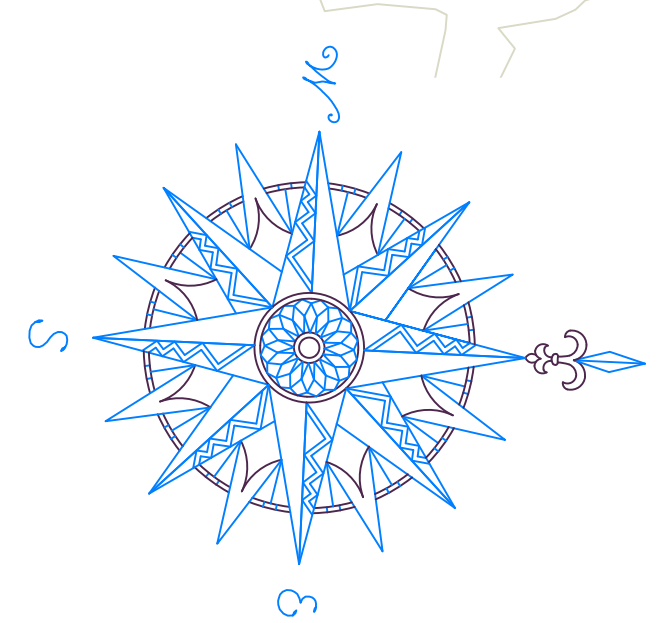
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY CONNECTICUT (203) 266-0778

STATE OF CONNECTICUT
COURTIS C. JONES
NO. 1006
LICENSED PROFESSIONAL ENGINEER

SCALE: 1" = 40'
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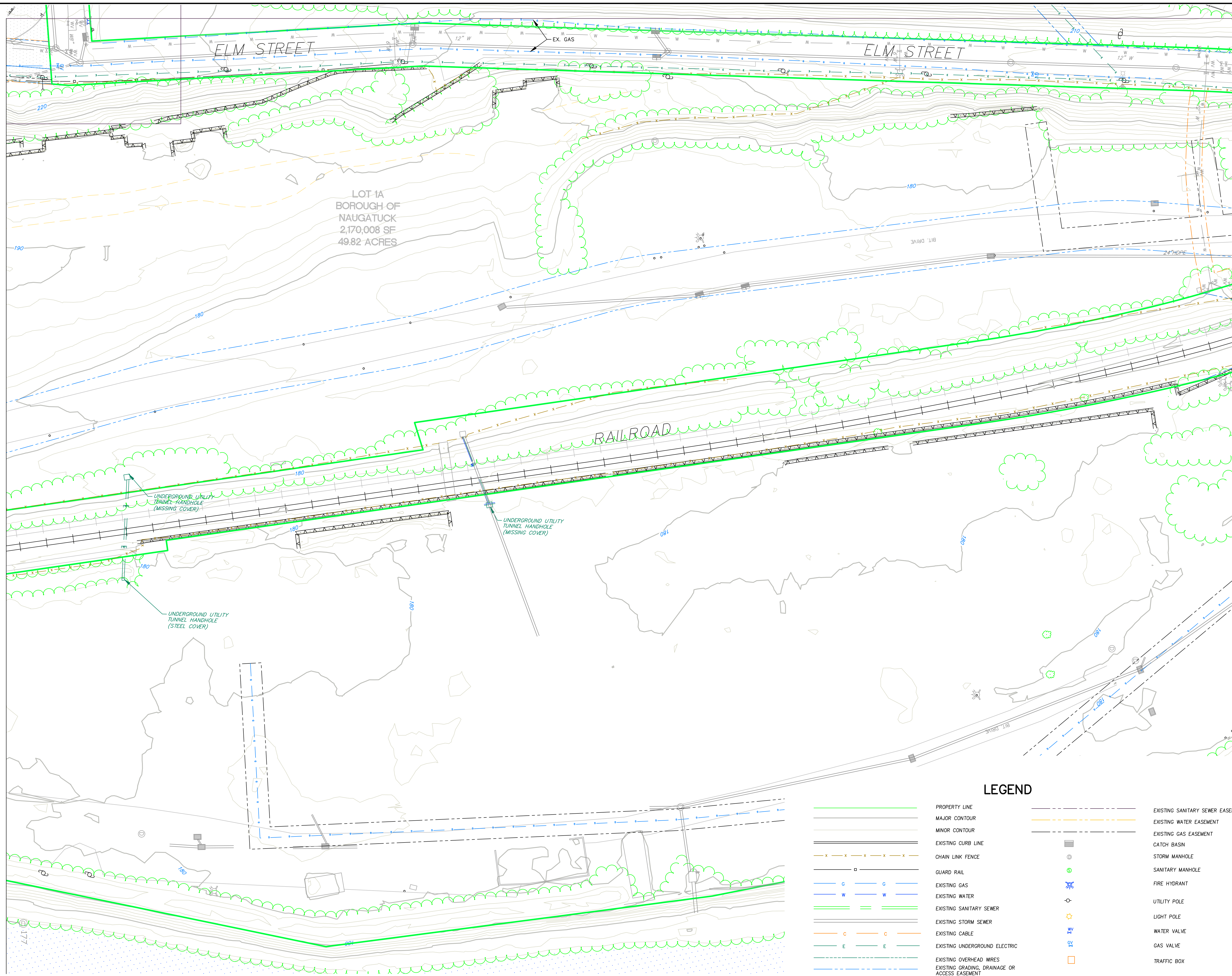


SHEET INDEX



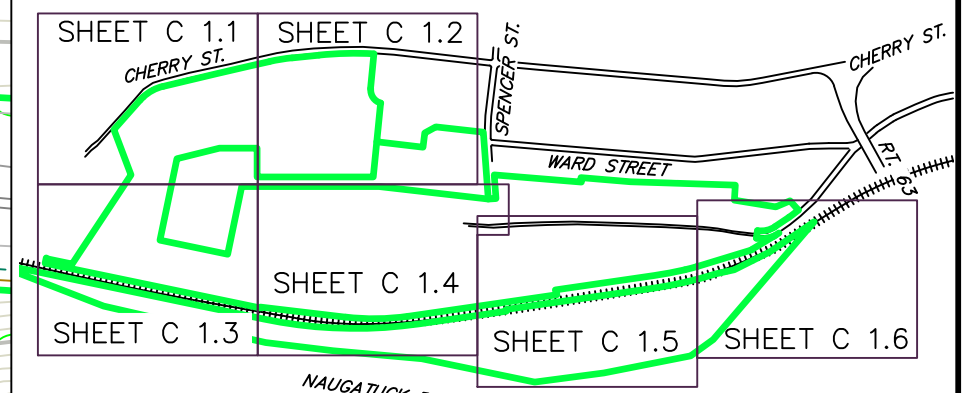
MATCH LINE SHEET C 1.3

MATCH LINE SHEET C 1.5

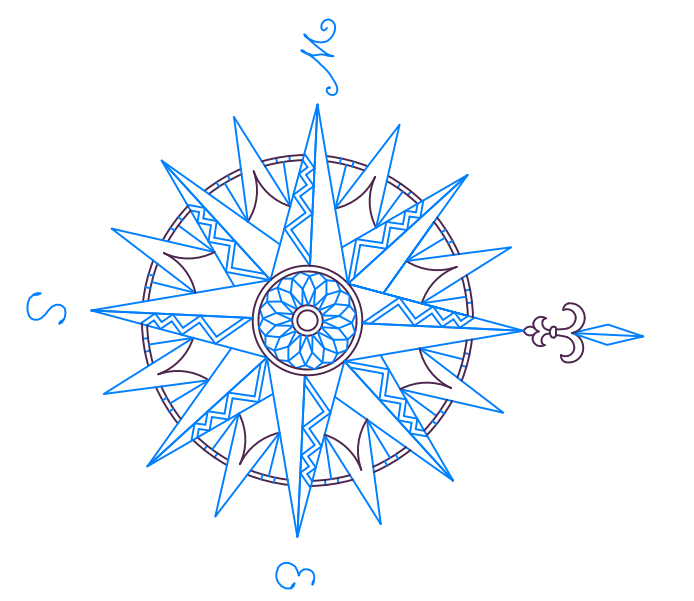


MATCH LINE SHEET C 1.4

MATCH LINE SHEET C 1.6

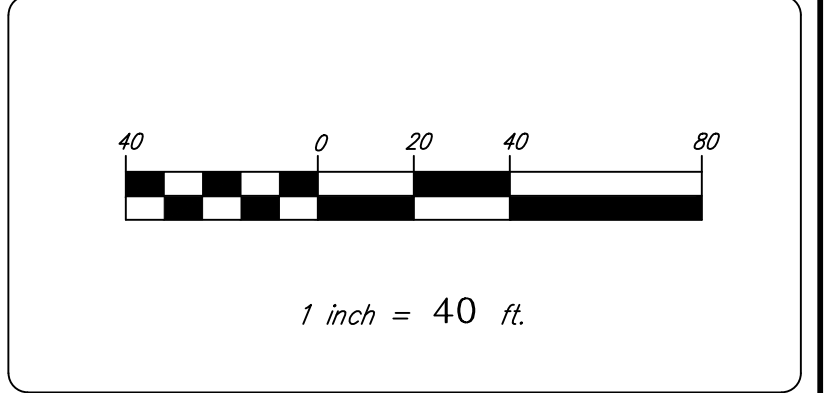


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

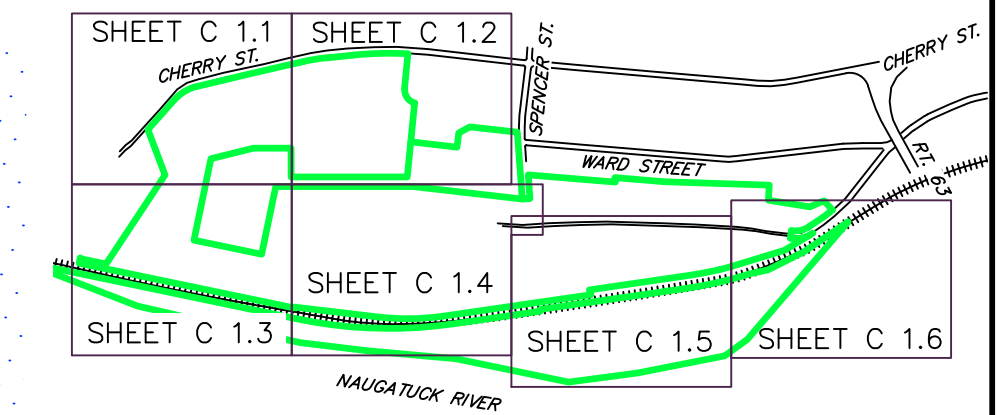
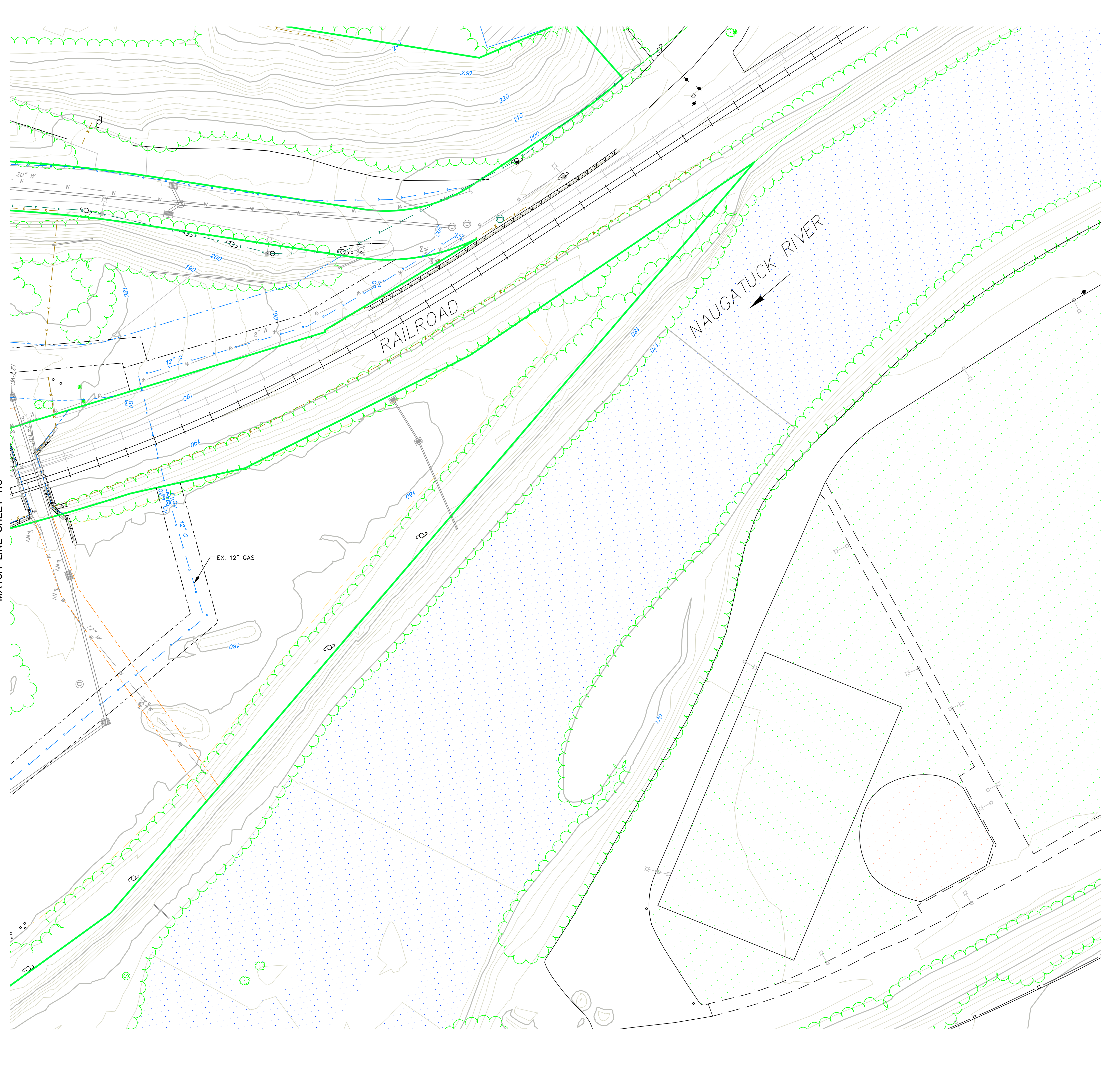
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY 203) 266-0778 CONNECTICUT

	DRAWN: BB APPROVED: CJ SCALE: 1" = 40' DATE: 16 OCT 24 PROJ. NO.: 3535 CAD FILE NAME: 3535 DRAWING NO.:
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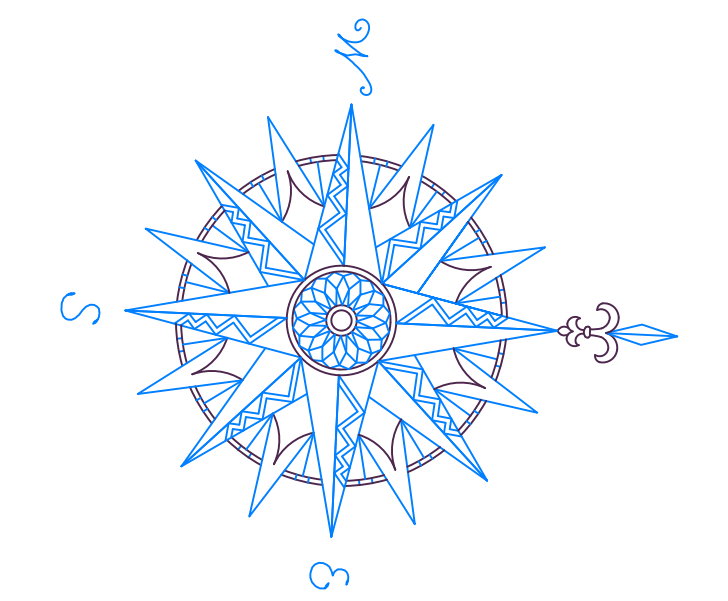
C-1.5

LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> — PROPERTY LINE — MAJOR CONTOUR — MINOR CONTOUR — EXISTING CURB LINE -x-x-x-x-x- CHAIN LINK FENCE — GUARD RAIL G EXISTING GAS W EXISTING WATER — EXISTING SANITARY SEWER — EXISTING STORM SEWER -c-c- EXISTING CABLE -E-E- EXISTING UNDERGROUND ELECTRIC — EXISTING OVERHEAD WRES — EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT | <ul style="list-style-type: none"> - - - - - EXISTING SANITARY SEWER EASEMENT - - - - - EXISTING WATER EASEMENT - - - - - EXISTING GAS EASEMENT ■ CATCH BASIN ⊙ STORM MANHOLE ⊙ SANITARY MANHOLE ⊙ FIRE HYDRANT ⊙ UTILITY POLE ⊙ LIGHT POLE ⊙ WATER VALVE ⊙ GAS VALVE □ TRAFFIC BOX |
|---|---|

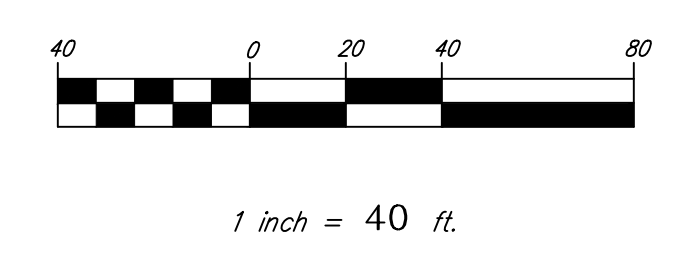


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EXISTING CONDITIONS PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

CIVIL C1

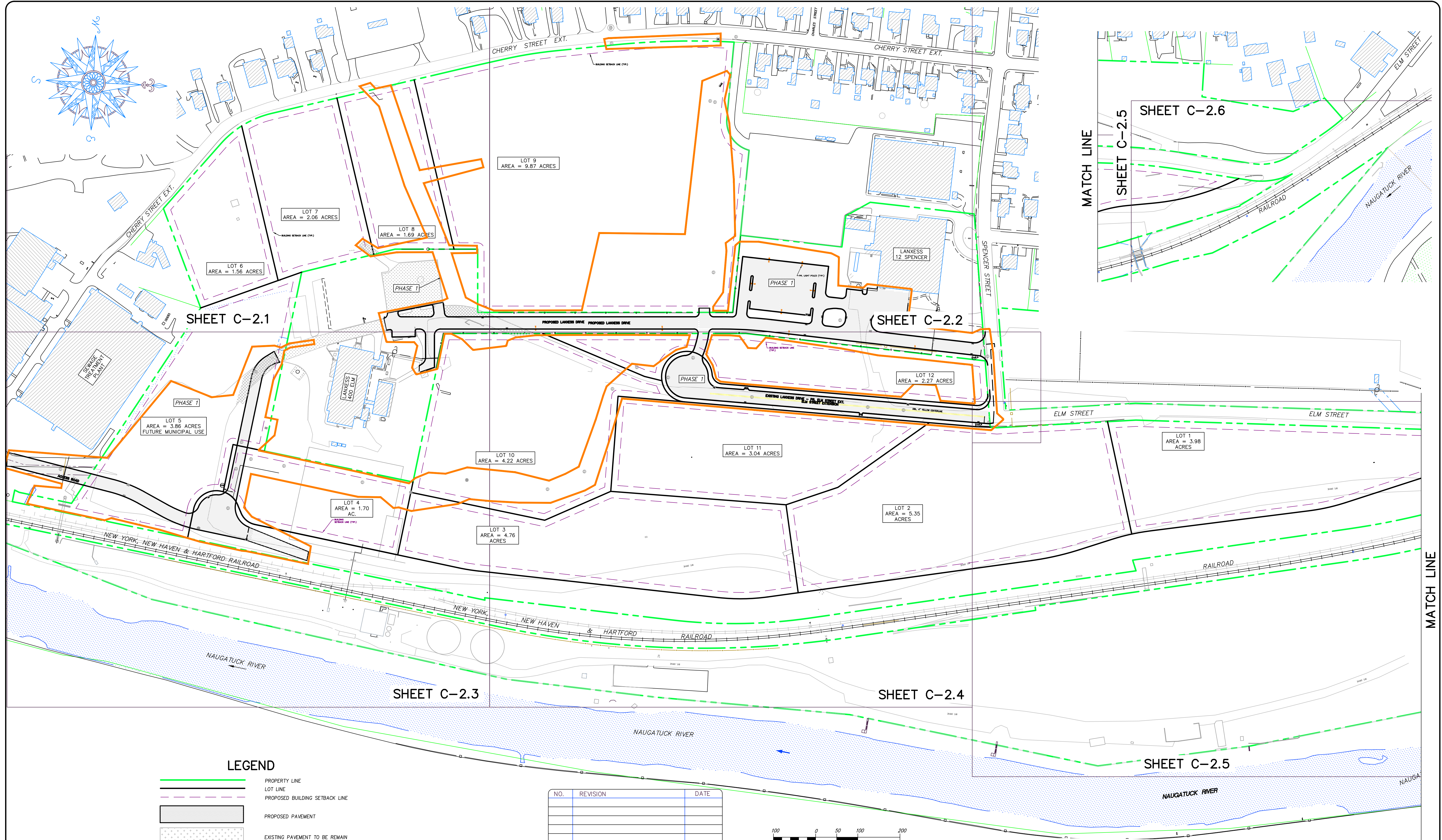
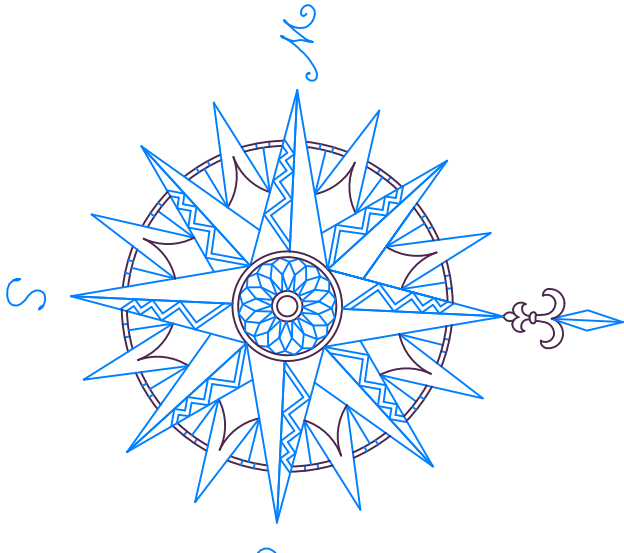
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY 203 266-0778 CONNECTICUT



DRAWN: BB APPROVED: CJ
 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-1.6**

- LEGEND**
- PROPERTY LINE
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - EXISTING CURB LINE
 - x-x-x-x-x-x- CHAIN LINK FENCE
 - GUARD RAIL
 - G — EXISTING GAS
 - W — EXISTING WATER
 - S — EXISTING SANITARY SEWER
 - ST — EXISTING STORM SEWER
 - C — EXISTING CABLE
 - E — EXISTING UNDERGROUND ELECTRIC
 - EXISTING OVERHEAD WIRES
 - EXISTING GRADING, DRAINAGE OR ACCESS EASEMENT
 - EXISTING SANITARY SEWER EASEMENT
 - EXISTING WATER EASEMENT
 - EXISTING GAS EASEMENT
 - CATCH BASIN
 - STORM MANHOLE
 - SANITARY MANHOLE
 - FIRE HYDRANT
 - UTILITY POLE
 - LIGHT POLE
 - WATER VALVE
 - GAS VALVE
 - TRAFFIC BOX

MATCH LINE SHEET 1.5



SHEET C-2.1

SHEET C-2.2

SHEET C-2.3

SHEET C-2.4

SHEET C-2.5

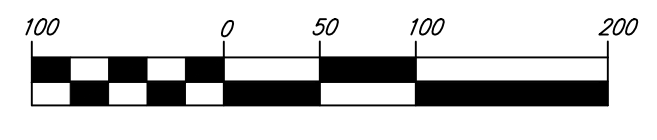
LEGEND

- PROPERTY LINE
- LOT LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED PAVEMENT
- EXISTING PAVEMENT TO BE REMAIN
- EXISTING PAVEMENT TO BE REMOVED
- PROPOSED FENCE
- PROPOSED GUARD RAIL

PHASE 1

NO.	REVISION	DATE

Previous Editions Obsolete



1 inch = 100 ft.

BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

OVERALL SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT WOODBURY









CIVIL C1

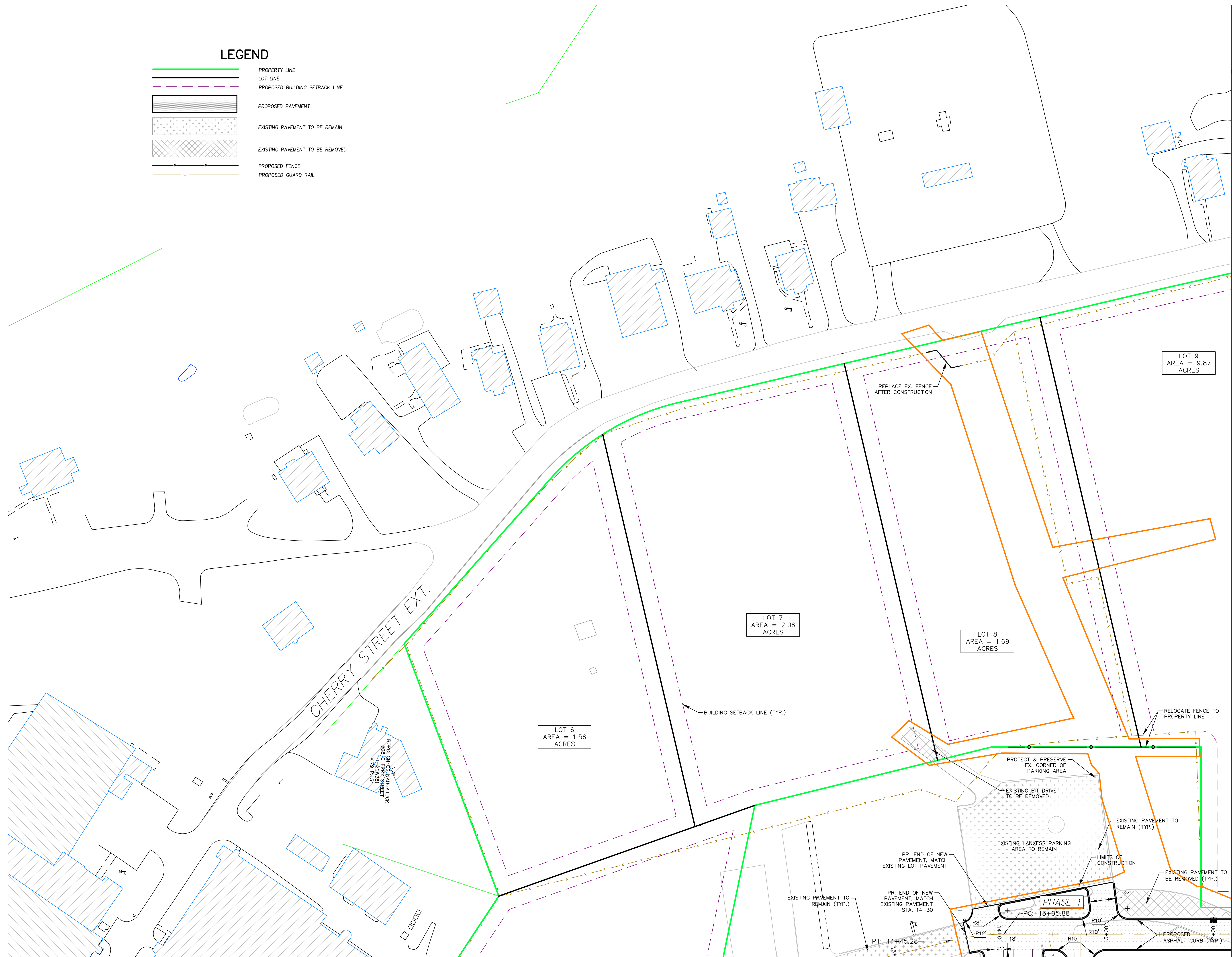
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778 CONNECTICUT



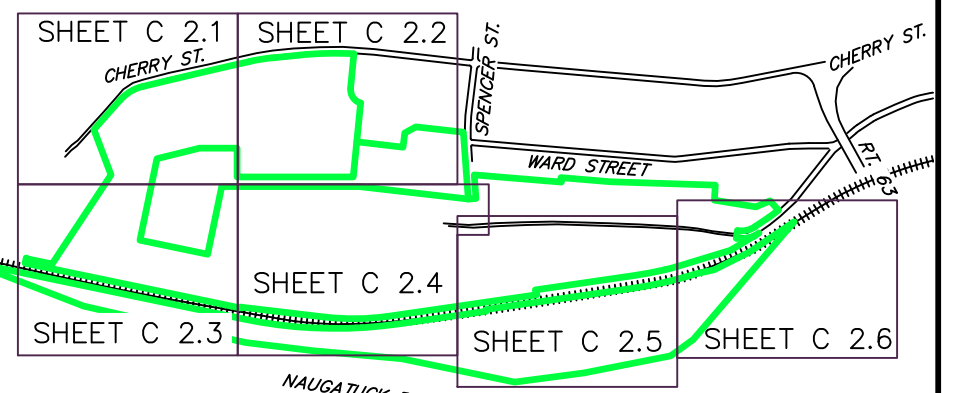
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 CAD FILE NAME: 3535
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LEGEND

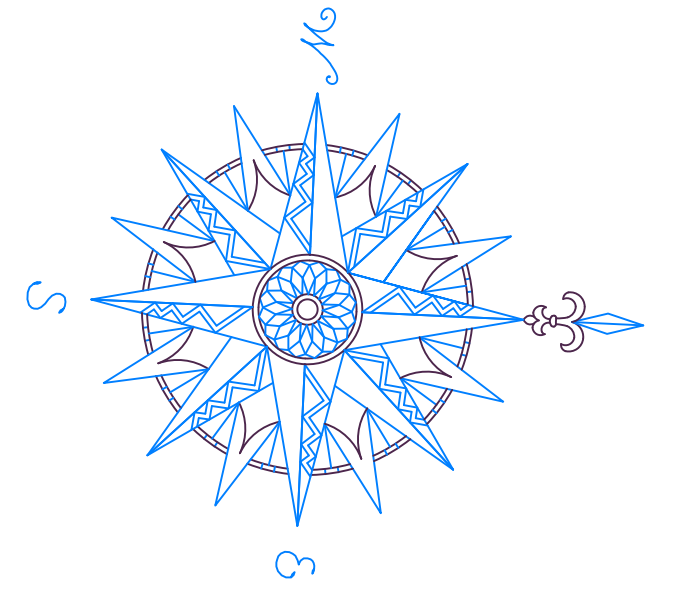
-  PROPERTY LINE
-  LOT LINE
-  PROPOSED BUILDING SETBACK LINE
-  PROPOSED PAVEMENT
-  EXISTING PAVEMENT TO BE REMAIN
-  EXISTING PAVEMENT TO BE REMOVED
-  PROPOSED FENCE
-  PROPOSED GUARD RAIL



MATCH LINE SHEET C 2.3

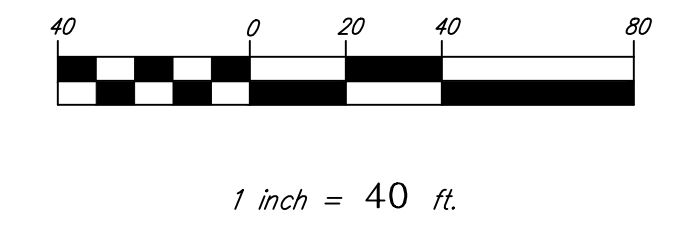


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



MATCH LINE SHEET C 2.2

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

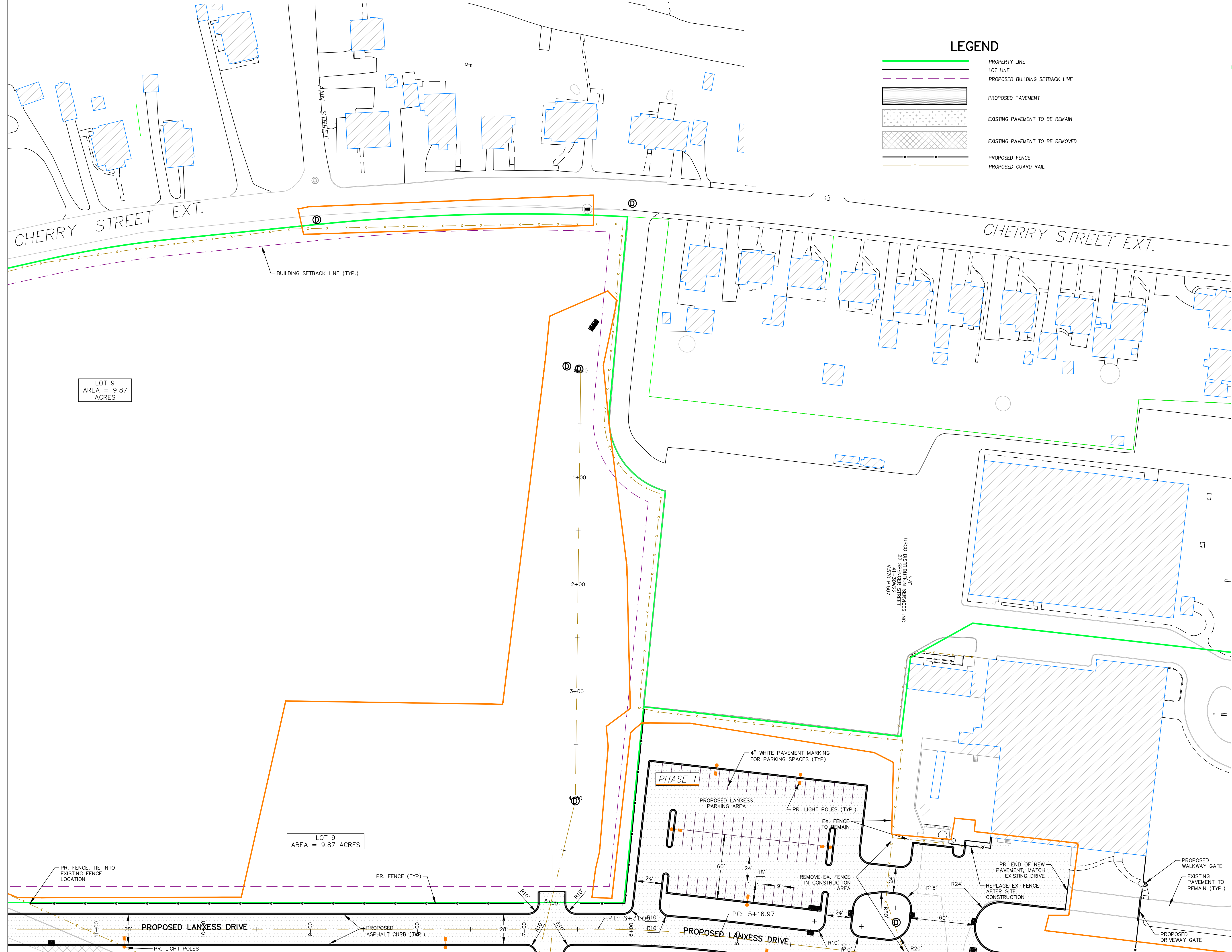
NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY CONNECTICUT (203) 266-0778

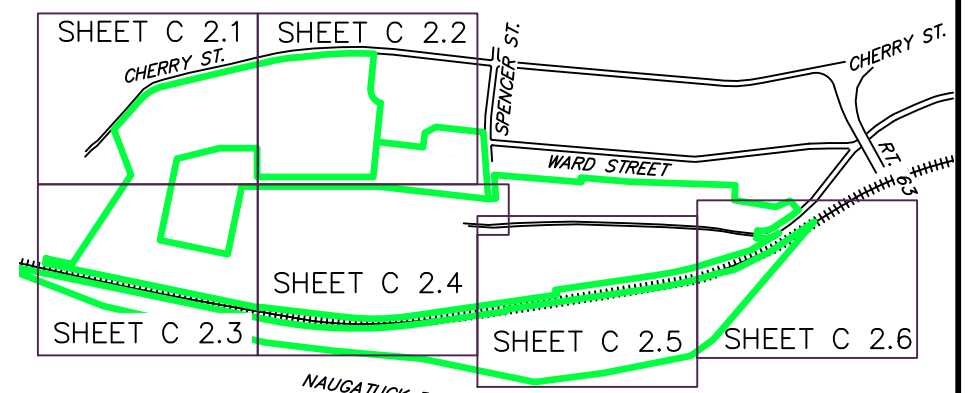


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DATE: 16 OCT 24	
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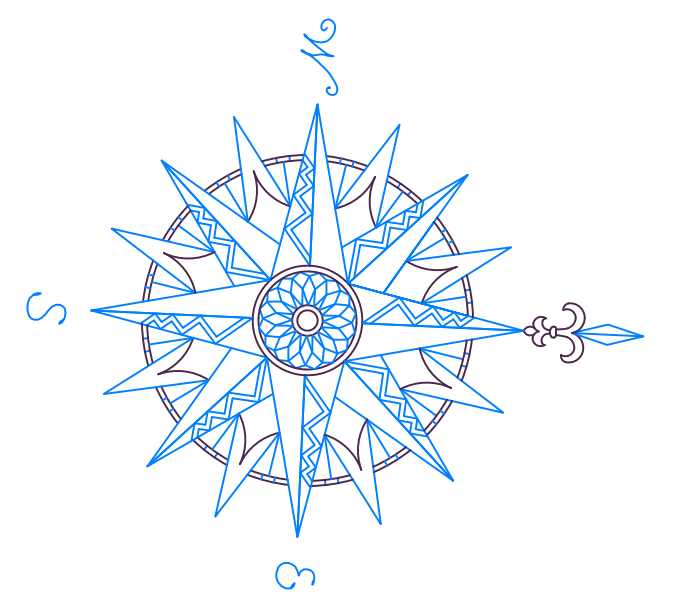


LEGEND

- PROPERTY LINE
- LOT LINE
- PROPOSED BUILDING SETBACK LINE
- PROPOSED PAVEMENT
- EXISTING PAVEMENT TO BE REMAIN
- EXISTING PAVEMENT TO BE REMOVED
- PROPOSED FENCE
- PROPOSED GUARD RAIL

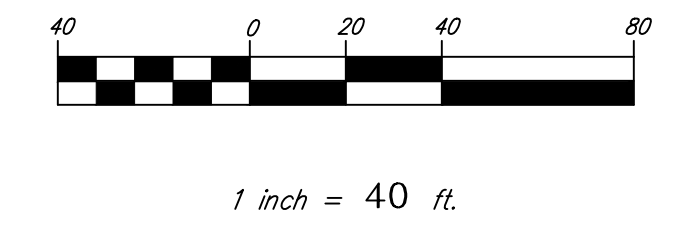


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

Civil C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CT 06798 (203) 266-0778

STATE OF CONNECTICUT
 CURTIS C. JONES
 LICENSED PROFESSIONAL ENGINEER

SCALE: **1" = 40'**
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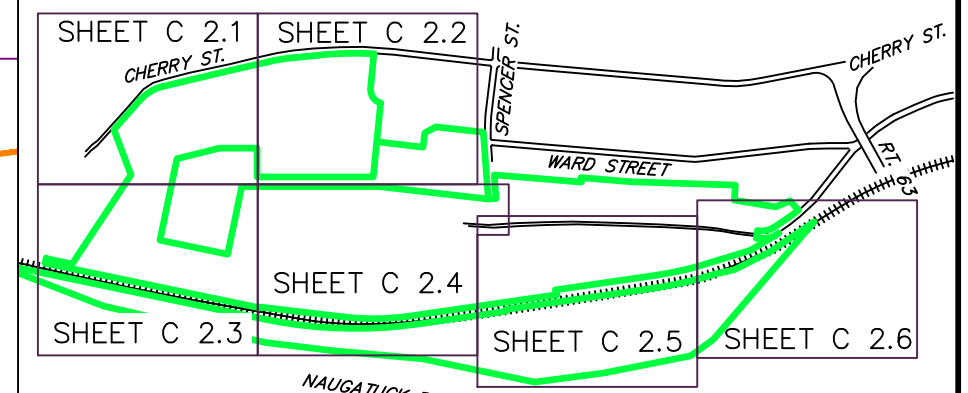
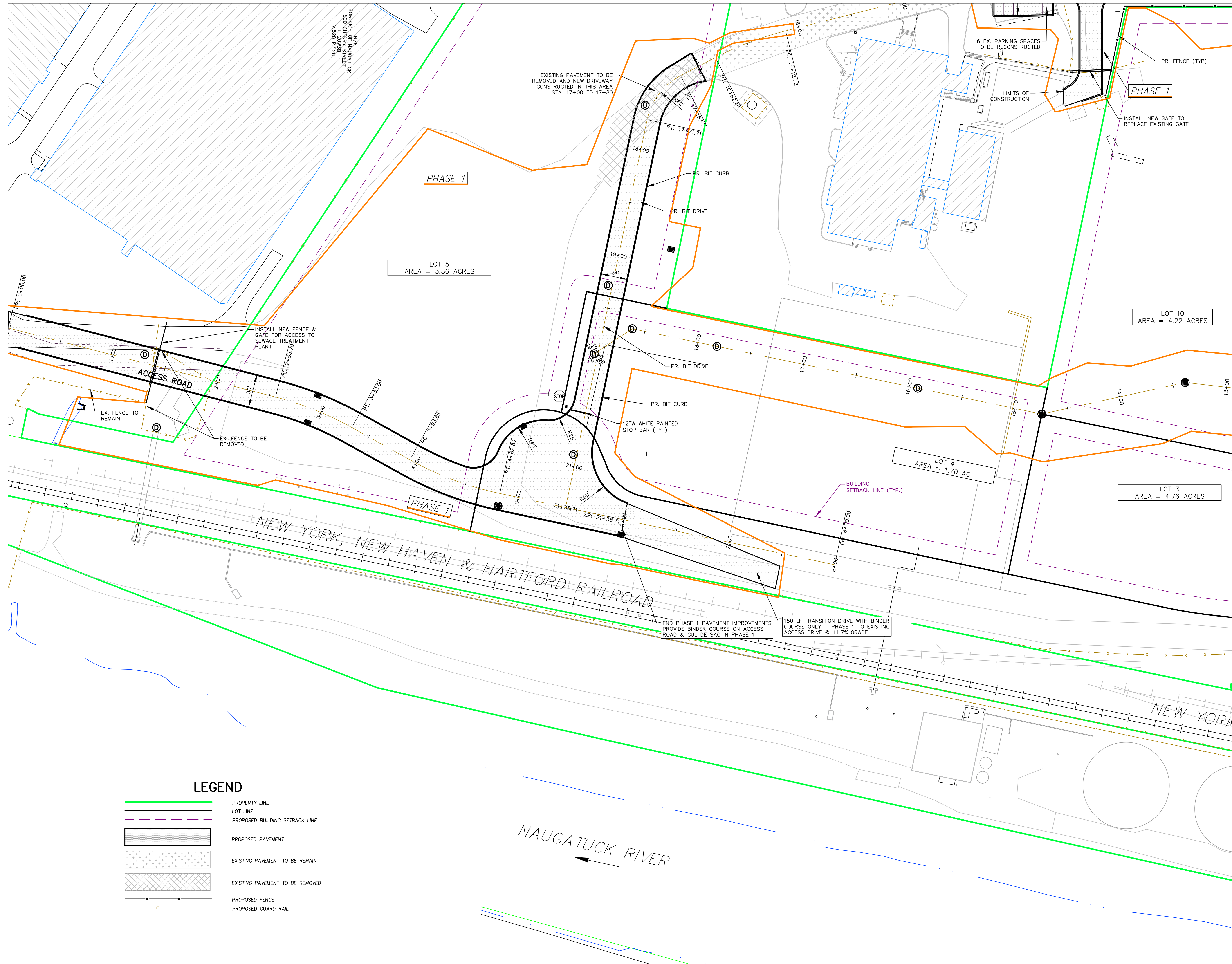
MATCH LINE SHEET C 2.1

MATCH LINE SHEET C 2.4

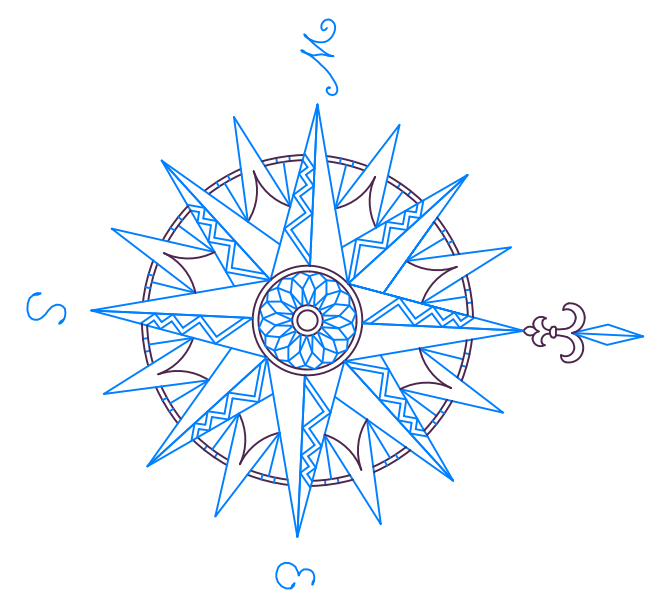
LOT 9
 AREA = 9.87
 ACRES

LOT 9
 AREA = 9.87
 ACRES

USCO DISTRIBUTION SERVICES INC
 N/F
 22 41-20W22
 V.570 P.507

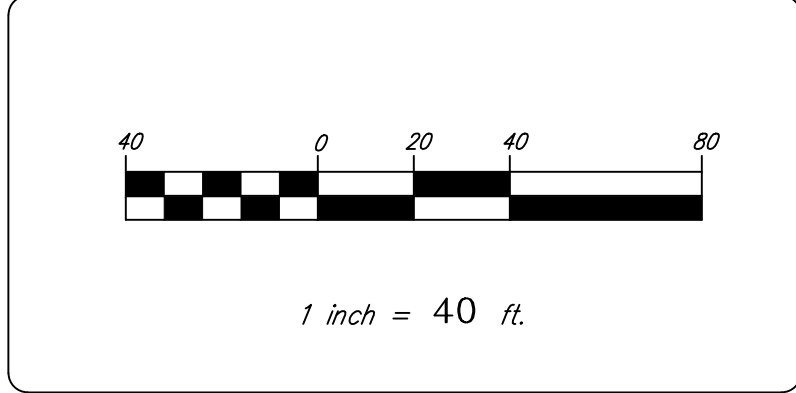


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

CIVIL C1
 CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CONNECTICUT (203) 266-0778

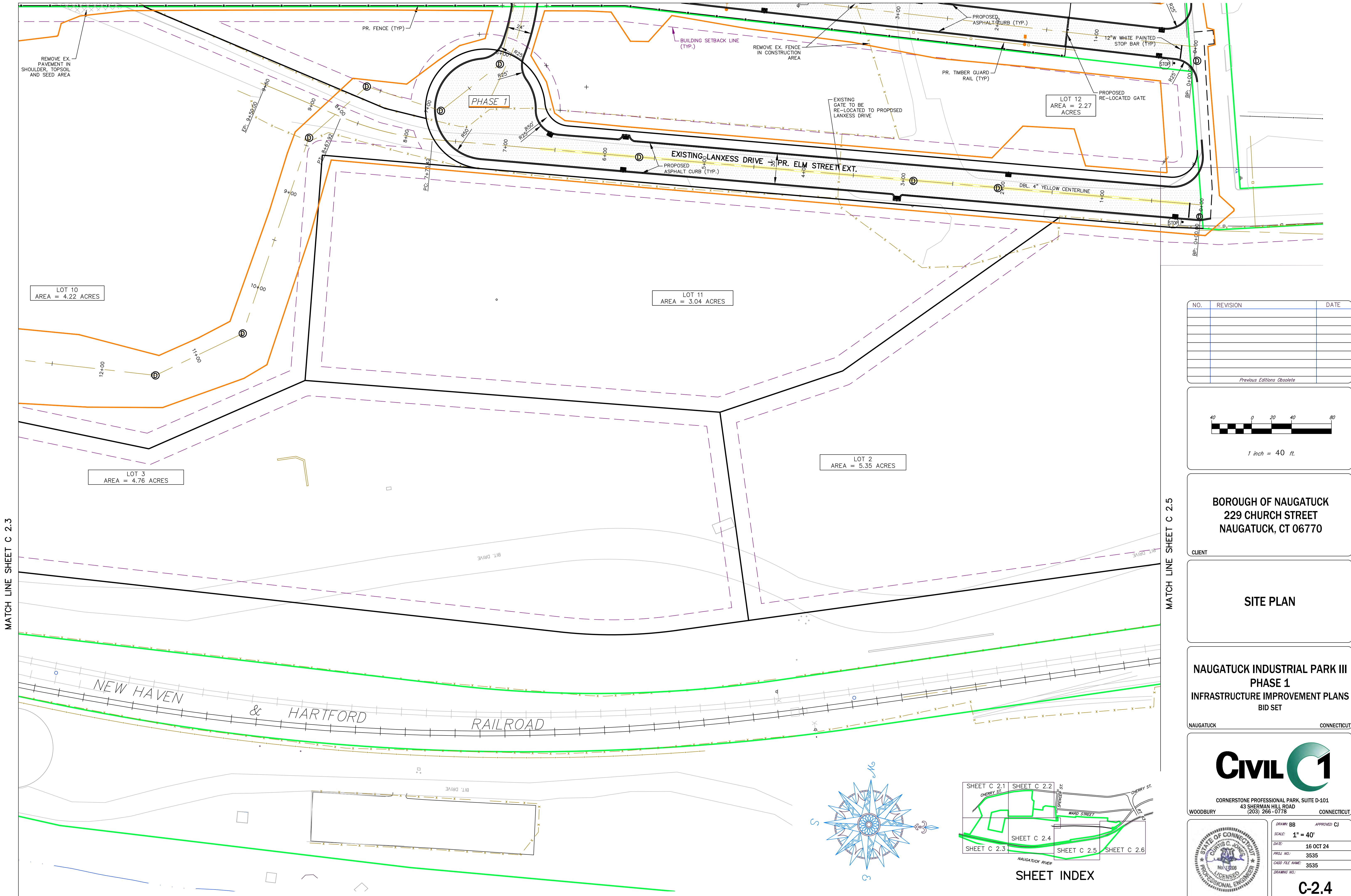


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 DRAWING NO.: **C-2.3**

LEGEND

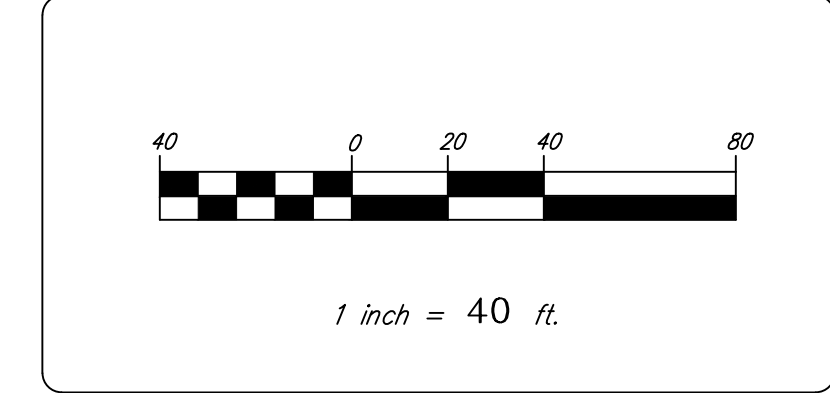
	PROPERTY LINE
	LOT LINE
	PROPOSED BUILDING SETBACK LINE
	PROPOSED PAVEMENT
	EXISTING PAVEMENT TO BE REMAIN
	EXISTING PAVEMENT TO BE REMOVED
	PROPOSED FENCE
	PROPOSED GUARD RAIL

MATCH LINE SHEET C 2.4



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

DRAWN: BB APPROVED: CJ

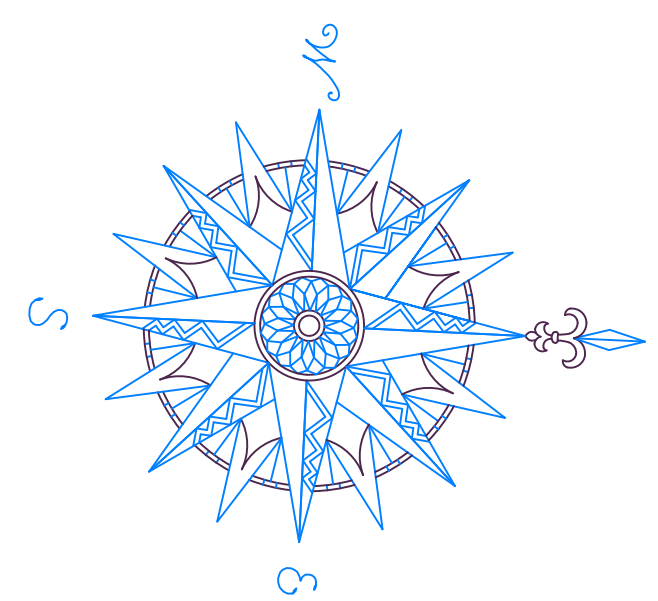
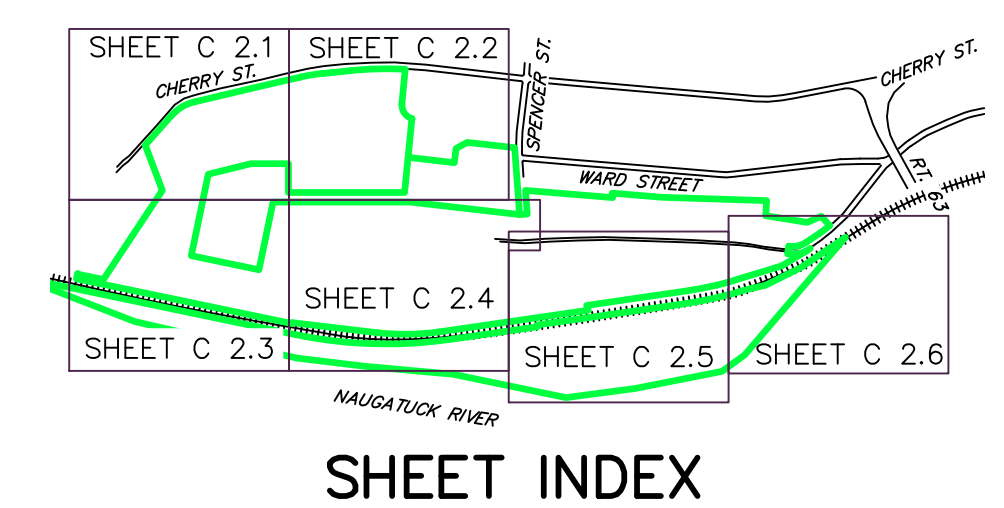
SCALE: 1" = 40'

DATE: 16 OCT 24

PROJ. NO.: 3535

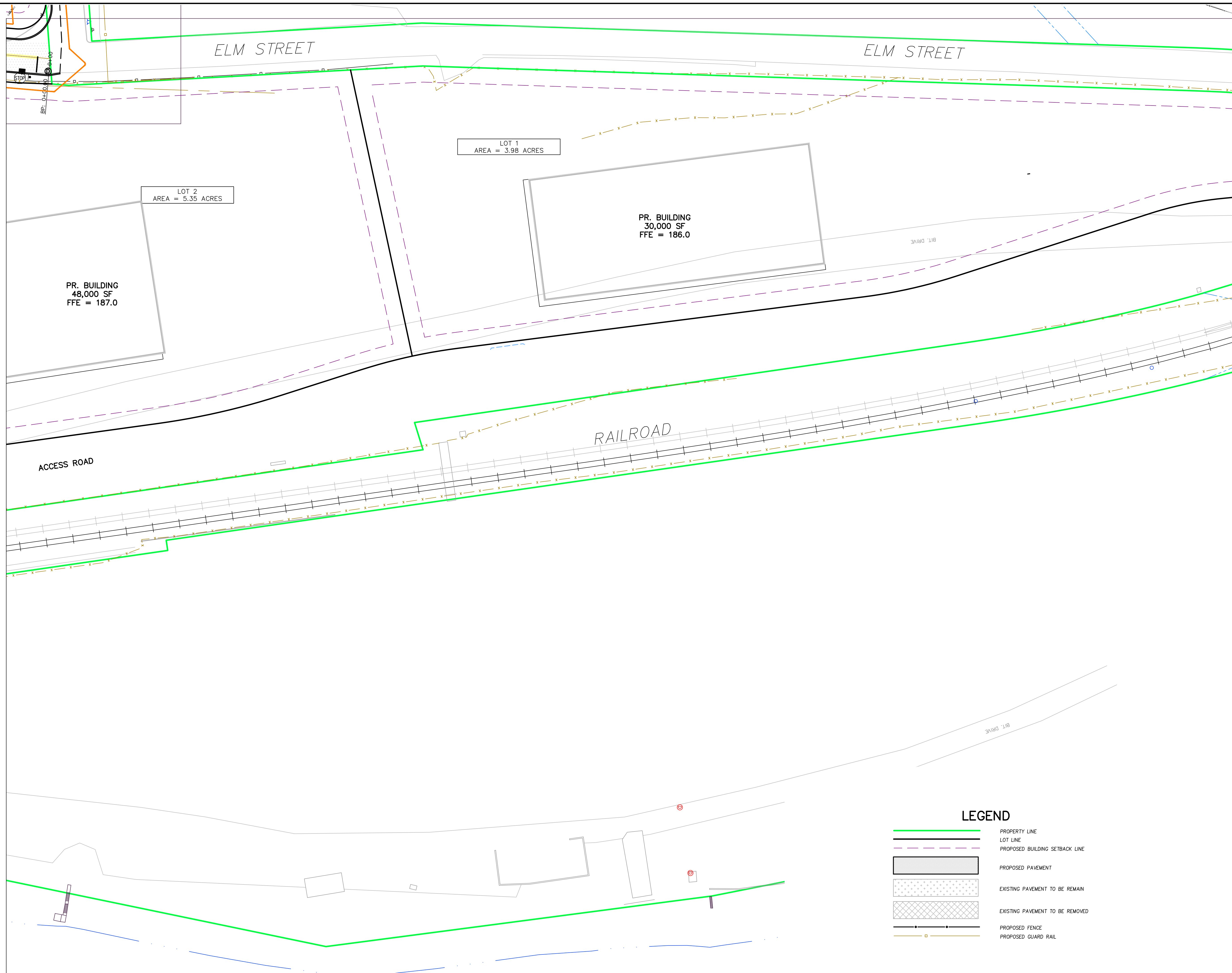
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DRAWING NO.: **C-2.4**



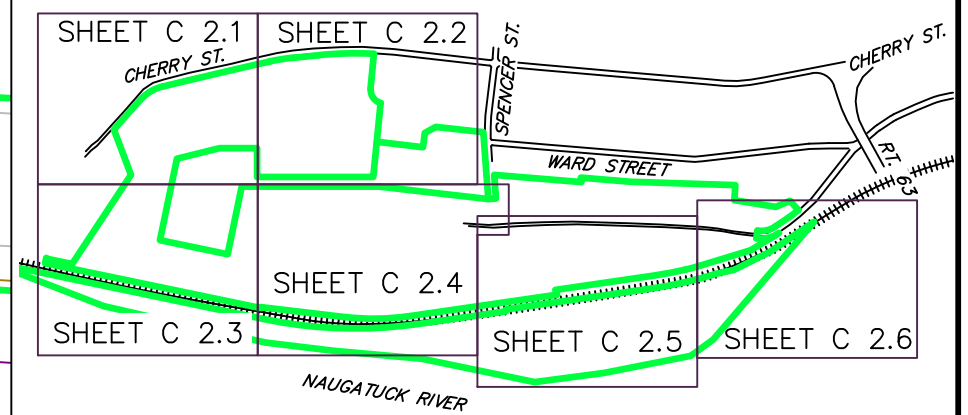
MATCH LINE SHEET C 2.3

MATCH LINE SHEET C 2.5

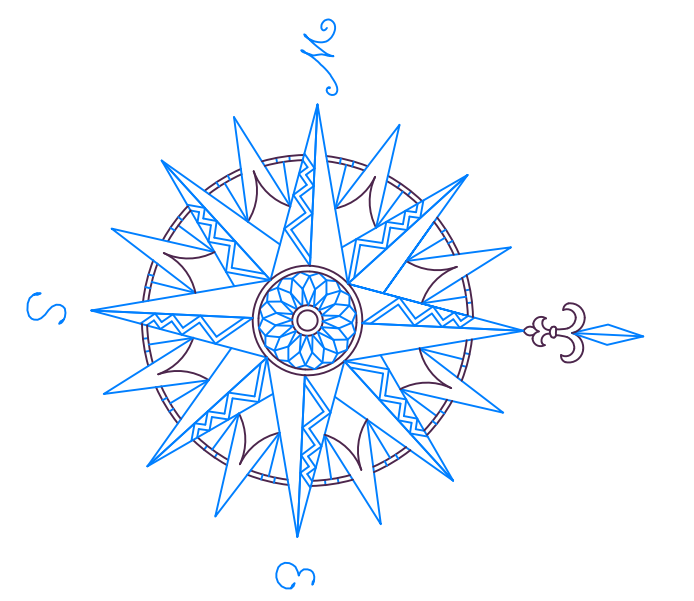


MATCH LINE SHEET C 2.4

MATCH LINE SHEET C 2.6

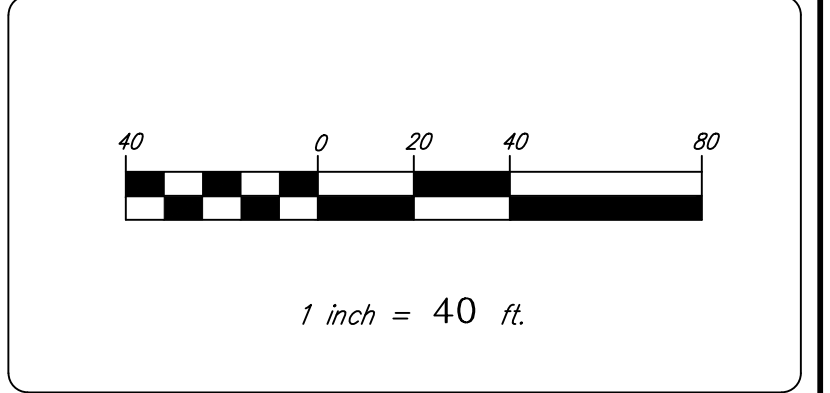


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

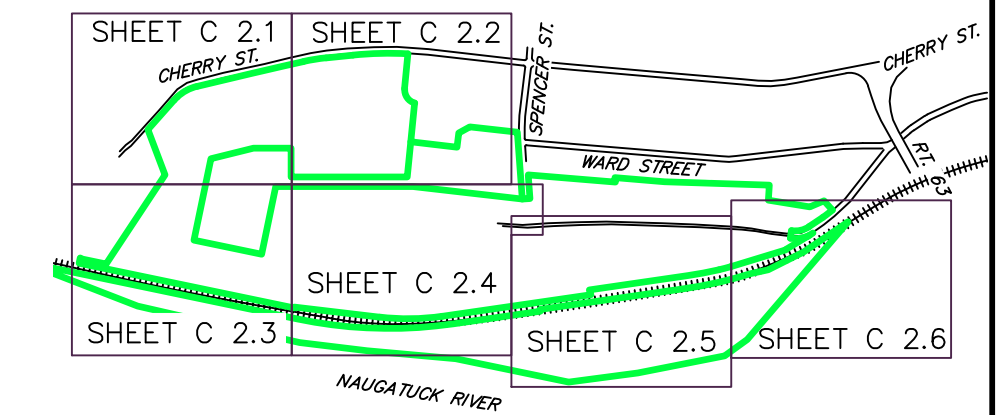
CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY 06798 CONNECTICUT
 (203) 266-0778

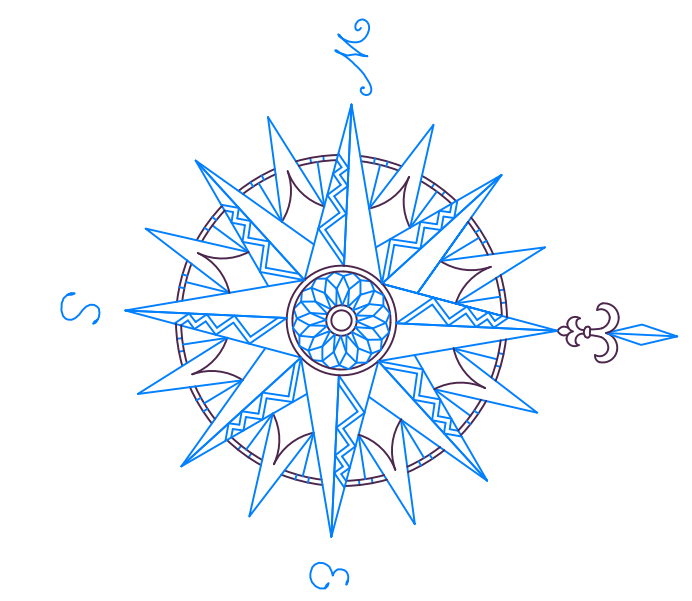


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 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-2.5**

- LEGEND**
- PROPERTY LINE
 - LOT LINE
 - PROPOSED BUILDING SETBACK LINE
 - PROPOSED PAVEMENT
 - EXISTING PAVEMENT TO BE REMAIN
 - EXISTING PAVEMENT TO BE REMOVED
 - PROPOSED FENCE
 - PROPOSED GUARD RAIL

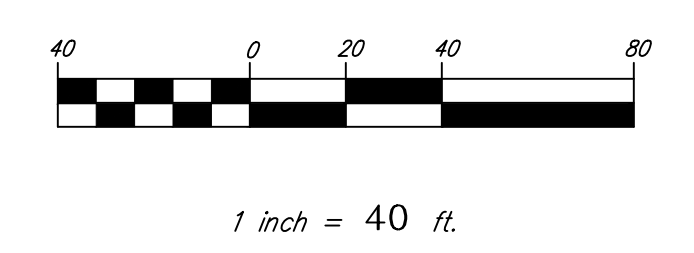


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

SITE PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT



CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT 06798
 (203) 266-0778



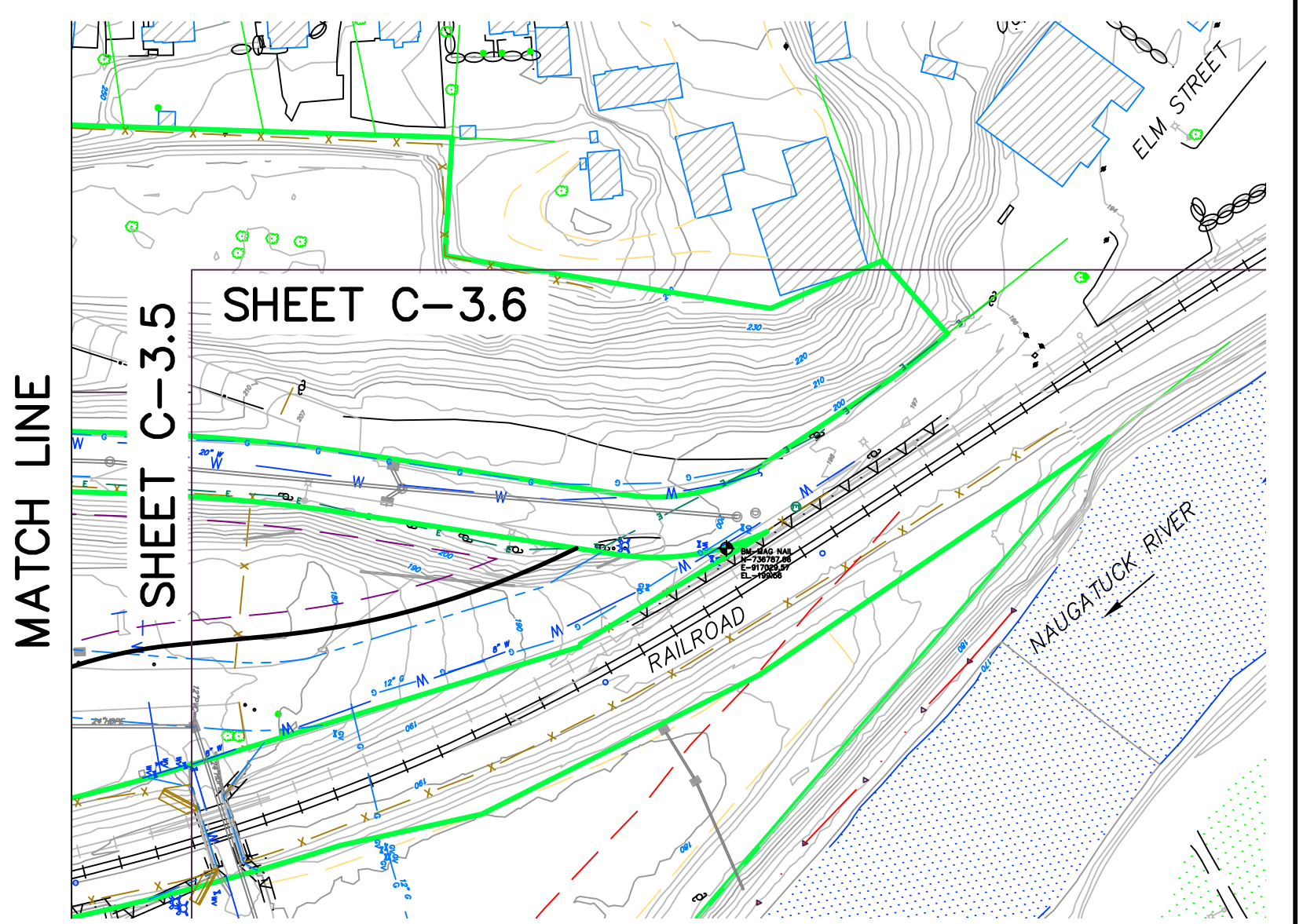
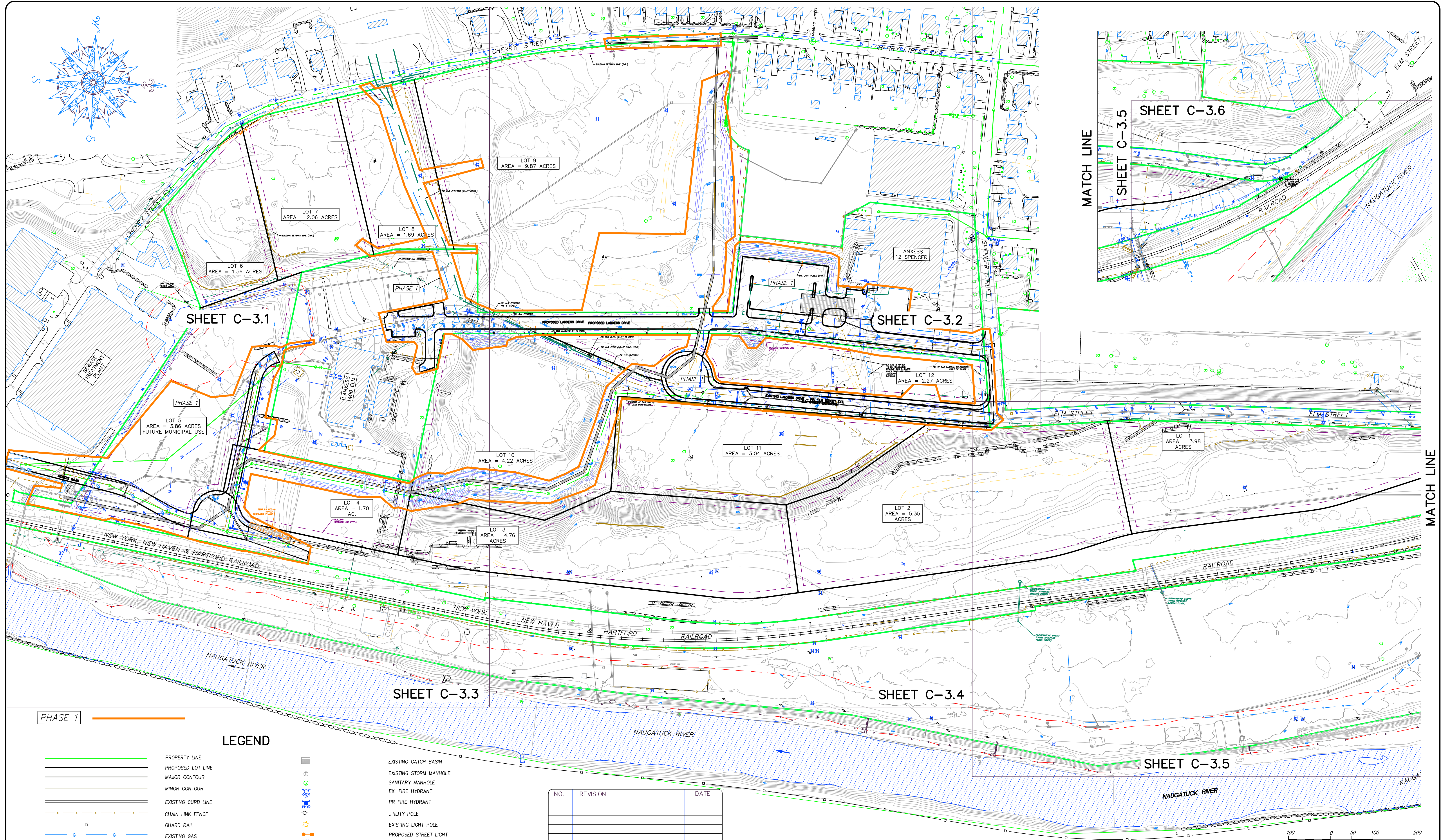
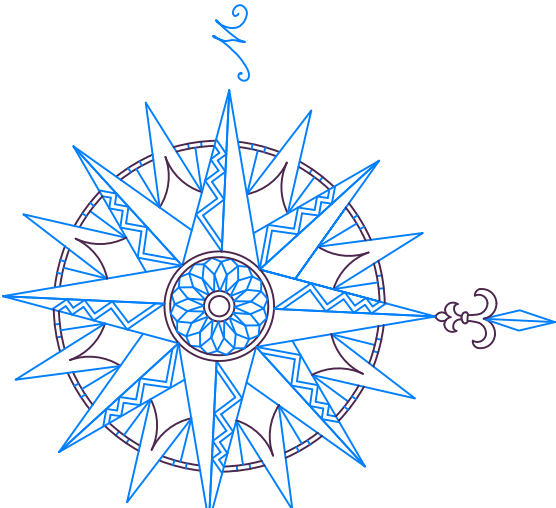
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 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-2.6**

- LEGEND**
- PROPERTY LINE
 - LOT LINE
 - PROPOSED BUILDING SETBACK LINE
 - PROPOSED PAVEMENT
 - EXISTING PAVEMENT TO BE REMAIN
 - EXISTING PAVEMENT TO BE REMOVED
 - PROPOSED FENCE
 - PROPOSED GUARD RAIL

MATCH LINE SHEET C 2.5

LOT 1
 AREA = 3.98 ACRES





SHEET C-3.1

SHEET C-3.2

SHEET C-3.3

SHEET C-3.4

SHEET C-3.5

PHASE 1

LEGEND

- | | | | |
|--|-------------------------------|--|--------------------------|
| | PROPERTY LINE | | EXISTING CATCH BASIN |
| | PROPOSED LOT LINE | | EXISTING STORM MANHOLE |
| | MAJOR CONTOUR | | SANITARY MANHOLE |
| | MINOR CONTOUR | | EX. FIRE HYDRANT |
| | EXISTING CURB LINE | | PR. FIRE HYDRANT |
| | CHAIN LINK FENCE | | UTILITY POLE |
| | GUARD RAIL | | EXISTING LIGHT POLE |
| | EXISTING GAS | | PROPOSED STREET LIGHT |
| | EXISTING WATER | | EX. WATER VALVE |
| | EXISTING SANITARY SEWER | | PR. WATER VALVE |
| | EXISTING STORM SEWER | | GAS VALVE |
| | EXISTING CABLE | | TRAFFIC BOX |
| | EXISTING UNDERGROUND ELECTRIC | | PROPOSED CONTOUR |
| | EXISTING OVERHEAD WIRES | | PROPOSED SPOT GRADE |
| | | | PROPOSED STORM STRUCTURE |
| | | | PROPOSED STORM SEWER |
| | | | PROPOSED GAS |
| | | | PROPOSED WATER |
| | | | PROPOSED SANITARY SEWER |
| | | | PROPOSED ELECTRICAL |
| | | | PROPOSED GUIDE RAIL |

NO.	REVISION	DATE

Previous Editions Obsolete

BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

**OVERALL GRADING, DRAINAGE
 & UTILITY PLAN**

NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

Civil C1
 CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778



DRAWN: BB APPROVED: CJ
 SCALE: 1" = 100'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-3.0**

SANITARY SEWER CONSTRUCTION NOTE:
 THE CONSTRUCTION SHALL COMPLY WITH THE BOROUGH OF NAUGATUCK ORDINANCES AND THE WATER POLLUTION CONTROL AUTHORITY "STANDARD CONDITIONS FOR SANITARY SEWER EXTENSIONS AND SANITARY SEWER CONSTRUCTION". 1 inch = 100 ft.

MATCH LINE

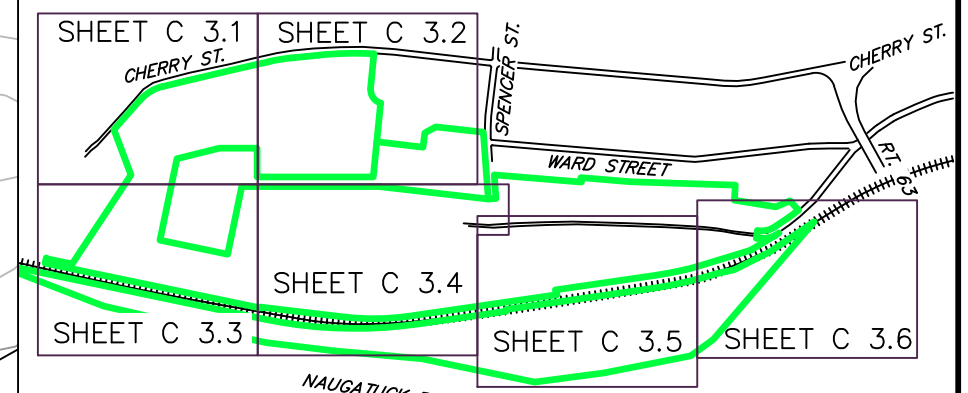
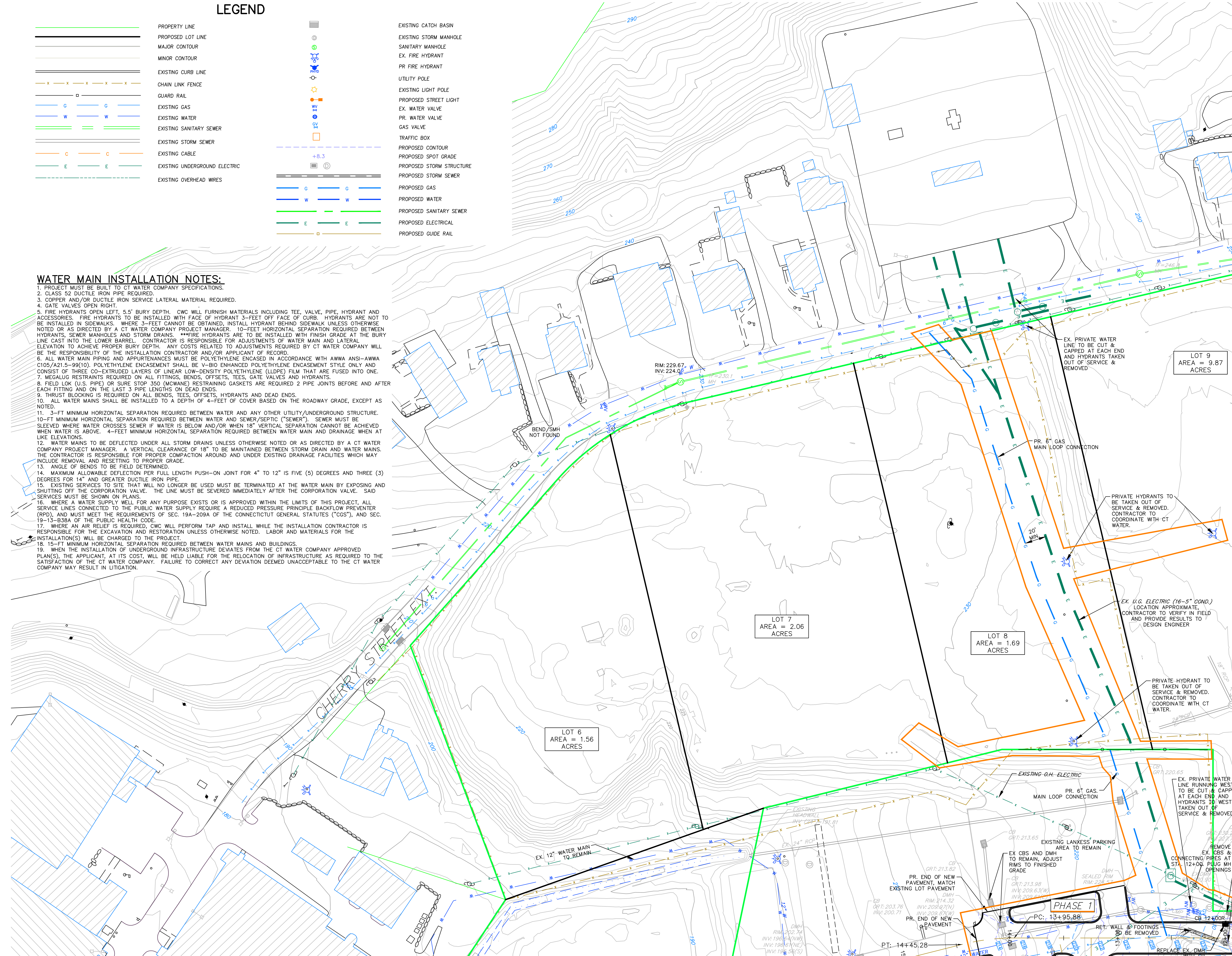
MATCH LINE

LEGEND

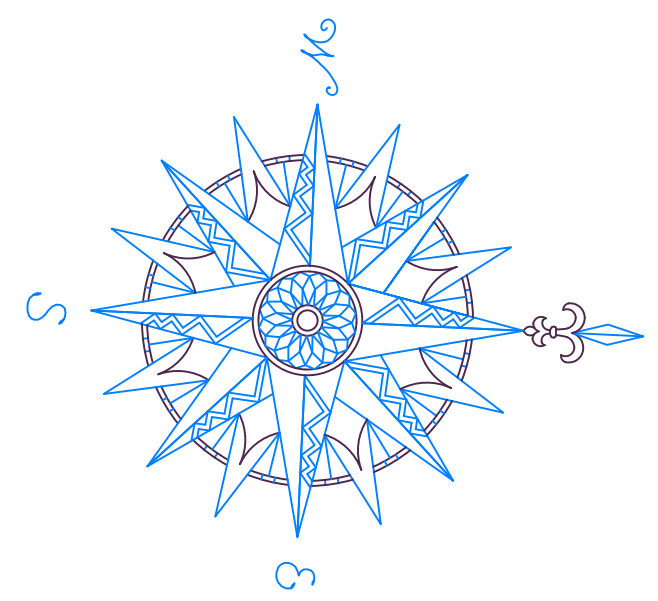
	PROPERTY LINE		EXISTING CATCH BASIN
	PROPOSED LOT LINE		EXISTING STORM MANHOLE
	MAJOR CONTOUR		SANITARY MANHOLE
	MINOR CONTOUR		EX. FIRE HYDRANT
	EXISTING CURB LINE		PR. FIRE HYDRANT
	CHAIN LINK FENCE		UTILITY POLE
	GUARD RAIL		EXISTING LIGHT POLE
	EXISTING GAS		PROPOSED STREET LIGHT
	EXISTING WATER		EX. WATER VALVE
	EXISTING SANITARY SEWER		PR. WATER VALVE
	EXISTING STORM SEWER		GAS VALVE
	EXISTING CABLE		TRAFFIC BOX
	EXISTING UNDERGROUND ELECTRIC		PROPOSED CONTOUR
	EXISTING OVERHEAD WRES		PROPOSED SPOT GRADE
			PROPOSED STORM STRUCTURE
			PROPOSED STORM SEWER
			PROPOSED GAS
			PROPOSED WATER
			PROPOSED SANITARY SEWER
			PROPOSED ELECTRICAL
			PROPOSED GUIDE RAIL

WATER MAIN INSTALLATION NOTES:

- PROJECT MUST BE BUILT TO CT WATER COMPANY SPECIFICATIONS.
- CLASS 52 DUCTILE IRON PIPE REQUIRED.
- COPPER AND/OR DUCTILE IRON SERVICE LATERAL MATERIAL REQUIRED.
- GATE VALVES OPEN RIGHT.
- FIRE HYDRANTS OPEN LEFT, 5.5' BURY DEPTH. CWC WILL FURNISH MATERIALS INCLUDING TEE, VALVE, PIPE, HYDRANT AND ACCESSORIES. FIRE HYDRANTS TO BE INSTALLED WITH FACE OF HYDRANT 3- FEET OFF FACE OF CURB. HYDRANTS ARE NOT TO BE INSTALLED IN SIDEWALKS. WHERE 3- FEET CANNOT BE OBTAINED, INSTALL HYDRANT BEHIND SIDEWALK UNLESS OTHERWISE NOTED OR AS DIRECTED BY A CT WATER COMPANY PROJECT MANAGER. 10- FEET HORIZONTAL SEPARATION REQUIRED BETWEEN HYDRANTS, SEWER MANHOLES AND STORM DRAINS. **FIRE HYDRANTS ARE TO BE INSTALLED WITH FINISH GRADE AT THE BURY LINE CAST INTO THE LOWER BARREL. CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENTS OF WATER MAIN AND LATERAL ELEVATION TO ACHIEVE PROPER BURY DEPTH. ANY COSTS RELATED TO ADJUSTMENTS REQUIRED BY CT WATER COMPANY WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR AND/OR APPLICANT OF RECORD.
- ALL WATER MAIN PIPING AND APPURTENANCES MUST BE POLYETHYLENE ENCASED IN ACCORDANCE WITH AWWA ANSI-AWWA C105/A21.5-99(10). POLYETHYLENE ENCASEMENT SHALL BE V-BIO ENHANCED POLYETHYLENE ENCASEMENT STYLE ONLY AND CONSIST OF THREE CO-EXTRUDED LAYERS OF LINEAR LOW-DENSITY POLYETHYLENE (LLDPE) FILM THAT ARE FUSED INTO ONE. MEGALUG RESTRAINTS REQUIRED ON ALL FITTINGS, BENDS, OFFSETS, TEES, GATE VALVES AND HYDRANTS.
- FIELD LOK (U.S. PIPE) OR SURE STOP 350 (MCWANE) RESTRAINING GASKETS ARE REQUIRED 2 PIPE JOINTS BEFORE AND AFTER EACH FITTING AND ON THE LAST 3 PIPE LENGTHS ON DEAD ENDS.
- THRUST BLOCKING IS REQUIRED ON ALL BENDS, TEES, OFFSETS, HYDRANTS AND DEAD ENDS.
- ALL WATER MAINS SHALL BE INSTALLED TO A DEPTH OF 4- FEET OF COVER BASED ON THE ROADWAY GRADE, EXCEPT AS NOTED.
- 3- FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER AND ANY OTHER UTILITY/UNDERGROUND STRUCTURE. 10- FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER AND SEWER/SEPTIC ("SEWER"). SEWER MUST BE SLEEVED WHERE WATER CROSSES SEWER IF WATER IS BELOW AND/OR WHEN 18" VERTICAL SEPARATION CANNOT BE ACHIEVED WHEN WATER IS ABOVE. 4- FEET MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER MAIN AND DRAINAGE WHEN AT LIKE ELEVATIONS.
- WATER MAINS TO BE DEFLECTED UNDER ALL STORM DRAINS UNLESS OTHERWISE NOTED OR AS DIRECTED BY A CT WATER COMPANY PROJECT MANAGER. A VERTICAL CLEARANCE OF 18" TO BE MAINTAINED BETWEEN STORM DRAIN AND WATER MAINS. THE CONTRACTOR IS RESPONSIBLE FOR PROPER COMPACTION AROUND AND UNDER EXISTING DRAINAGE FACILITIES WHICH MAY INCLUDE REMOVAL AND RESETTling TO PROPER GRADE.
- ANGLE OF BENDS TO BE FIELD DETERMINED.
- MAXIMUM ALLOWABLE DEFLECTION PER FULL LENGTH PUSH-ON JOINT FOR 4" TO 12" IS FIVE (5) DEGREES AND THREE (3) DEGREES FOR 14" AND GREATER DUCTILE IRON PIPE.
- EXISTING SERVICES TO SITE THAT WILL NO LONGER BE USED MUST BE TERMINATED AT THE WATER MAIN BY EXPOSING AND SHUTTING OFF THE CORPORATION VALVE. THE LINE MUST BE SEVERED IMMEDIATELY AFTER THE CORPORATION VALVE. SAID SERVICES MUST BE SHOWN ON PLANS.
- WHERE A WATER SUPPLY WELL FOR ANY PURPOSE EXISTS OR IS APPROVED WITHIN THE LIMITS OF THIS PROJECT, ALL SERVICE LINES CONNECTED TO THE PUBLIC WATER SUPPLY REQUIRE A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPD), AND MUST MEET THE REQUIREMENTS OF SEC. 19A-209A OF THE CONNECTICUT GENERAL STATUTES ("CGS"), AND SEC. 19-13-839A OF THE PUBLIC HEALTH CODE.
- WHERE AN AIR RELIEF IS REQUIRED, CWC WILL PERFORM TAP AND INSTALL WHILE THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION AND RESTORATION UNLESS OTHERWISE NOTED. LABOR AND MATERIALS FOR THE INSTALLATION(S) WILL BE CHARGED TO THE PROJECT.
- 15- FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER MAINS AND BUILDINGS.
- WHEN THE INSTALLATION OF UNDERGROUND INFRASTRUCTURE DEVIATES FROM THE CT WATER COMPANY APPROVED PLAN(S), THE APPLICANT, AT ITS COST, WILL BE HELD LIABLE FOR THE RELOCATION OF INFRASTRUCTURE AS REQUIRED TO THE SATISFACTION OF THE CT WATER COMPANY. FAILURE TO CORRECT ANY DEVIATION DEEMED UNACCEPTABLE TO THE CT WATER COMPANY MAY RESULT IN LITIGATION.

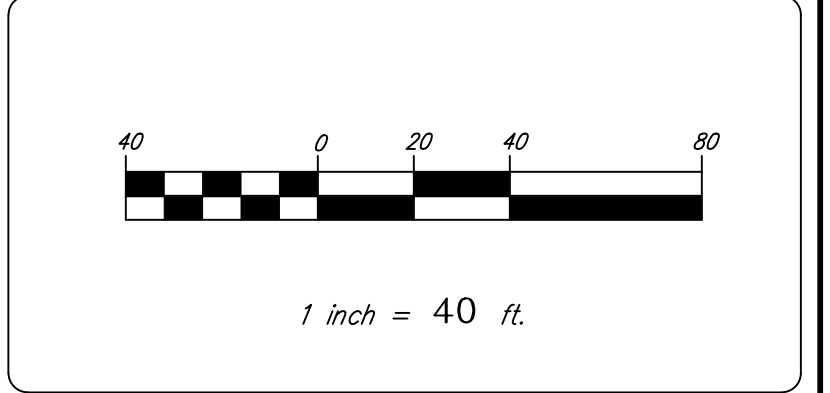


SHEET INDEX



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MATCH LINE SHEET C 3.2

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

GRADING, DRAINAGE & UTILITY PLAN

NAUGATUCK INDUSTRIAL PARK - PHASE 3
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

Civil C1

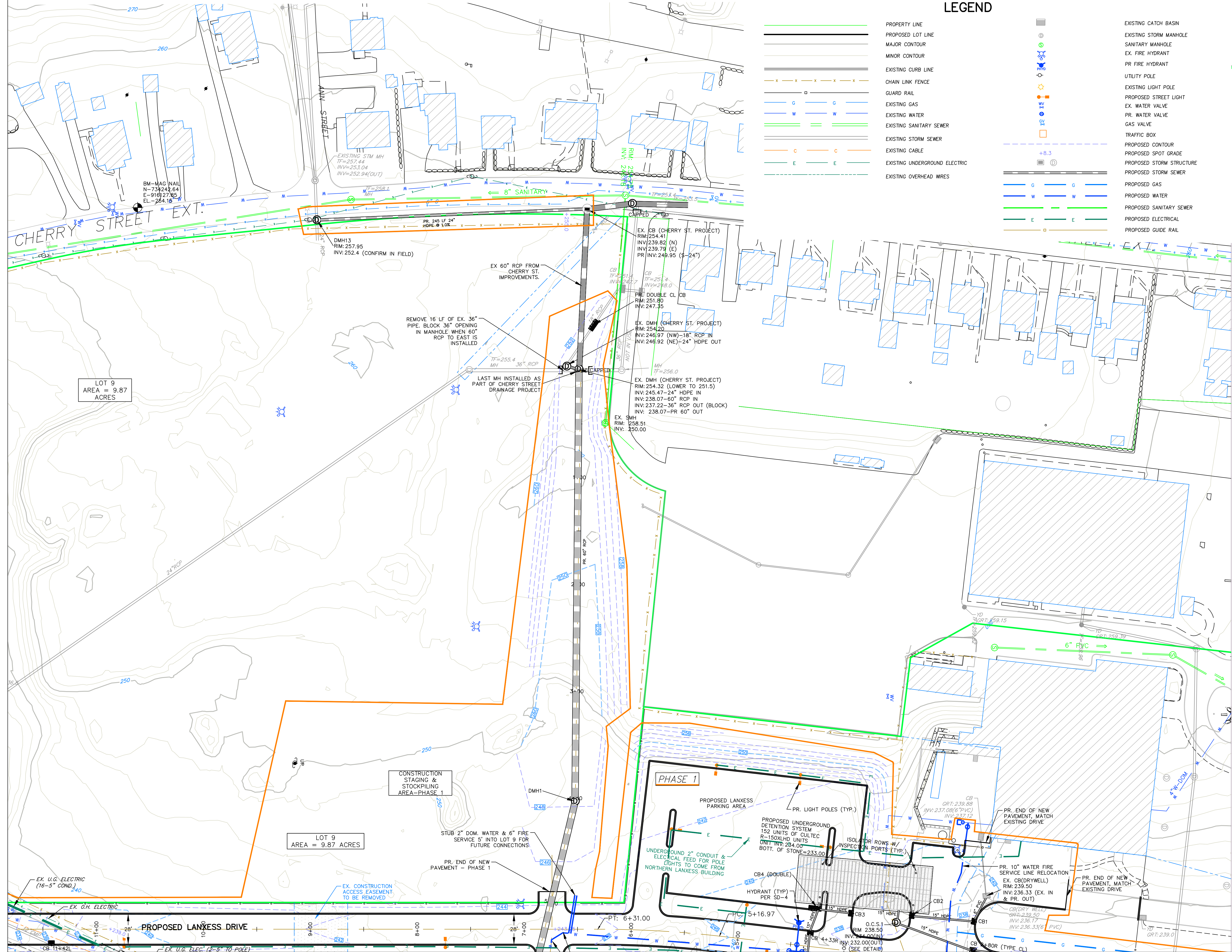
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

STATE OF CONNECTICUT
 CURTIS C. JONES
 LICENSED PROFESSIONAL ENGINEER
 No. 1206

SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: C-3.1

MATCH LINE SHEET C 3.3

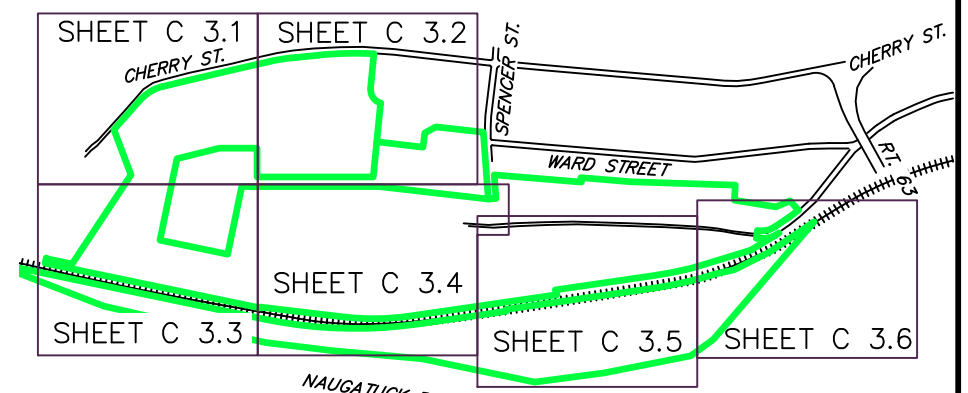
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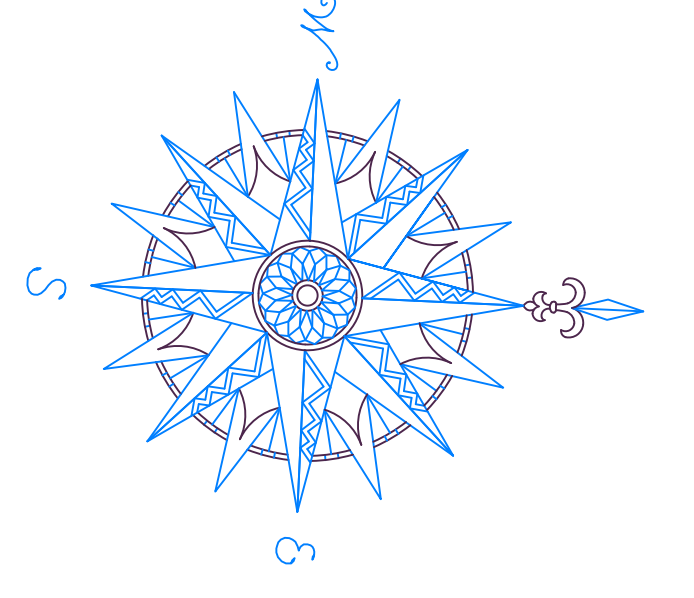
MATCH LINE SHEET C 3.4

LEGEND

- PROPERTY LINE
- PROPOSED LOT LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING CURB LINE
- CHAIN LINK FENCE
- GUARD RAIL
- EXISTING GAS
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CABLE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD WIRES
- EXISTING CATCH BASIN
- EXISTING STORM MANHOLE
- SANITARY MANHOLE
- EX. FIRE HYDRANT
- PR FIRE HYDRANT
- UTILITY POLE
- EXISTING LIGHT POLE
- PROPOSED STREET LIGHT
- EX. WATER VALVE
- PR. WATER VALVE
- GAS VALVE
- TRAFFIC BOX
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED STORM STRUCTURE
- PROPOSED STORM SEWER
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- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED ELECTRICAL
- PROPOSED GUIDE RAIL

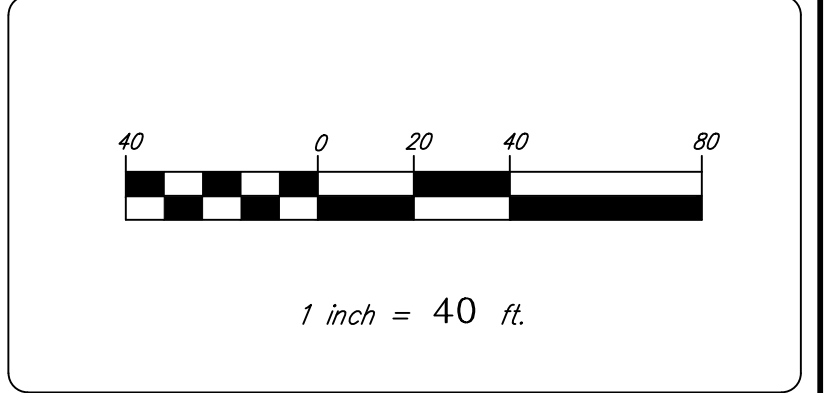


SHEET INDEX



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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

GRADING, DRAINAGE & UTILITY PLAN

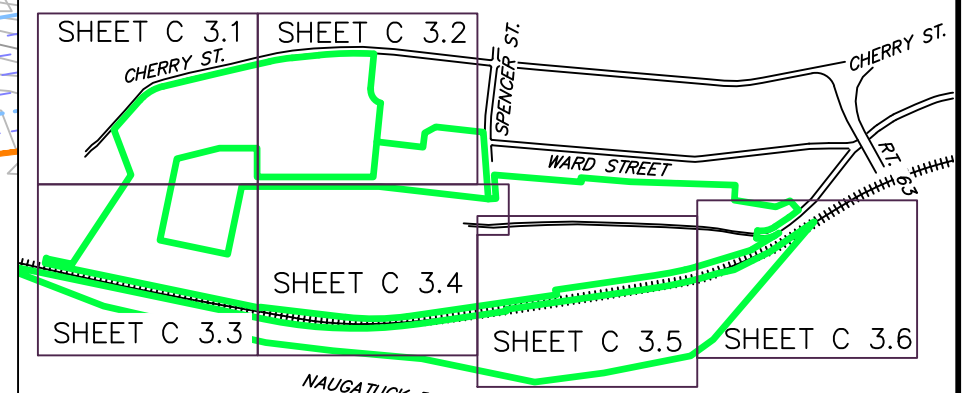
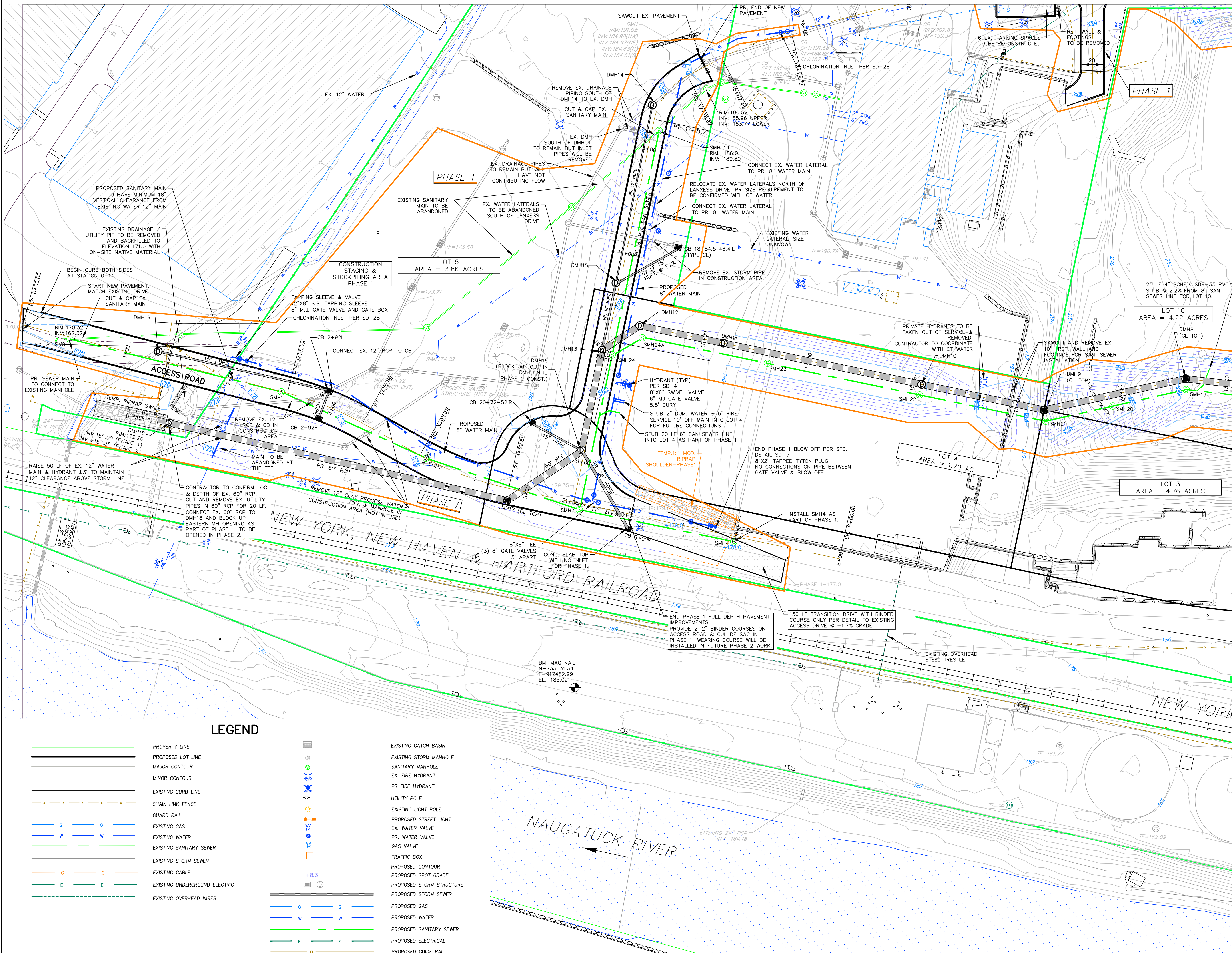
NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

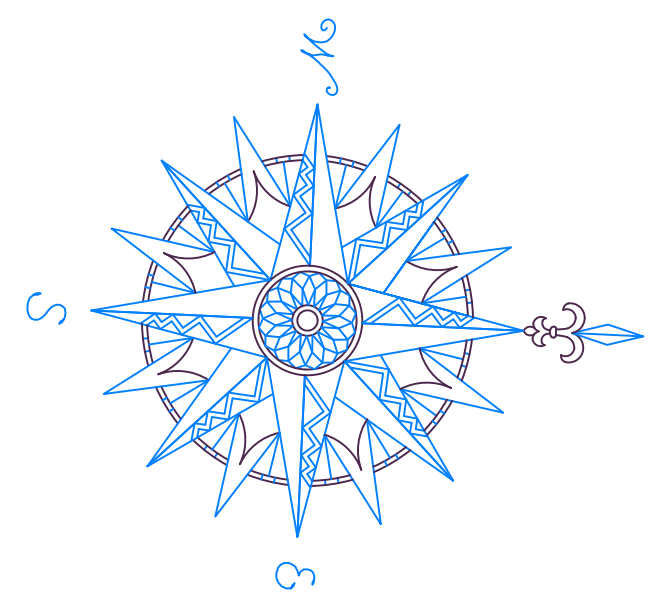
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

STATE OF CONNECTICUT
 CURTIS C. JONES
 No. 0706
 LICENSED PROFESSIONAL ENGINEER

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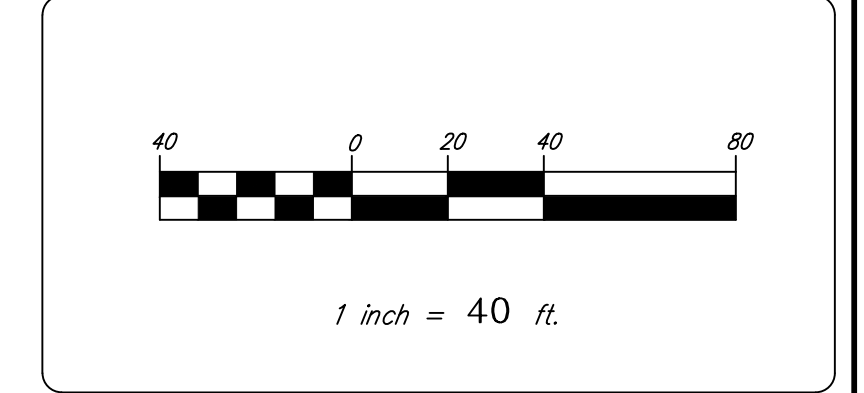


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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
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GRADING, DRAINAGE & UTILITY PLAN

NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
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NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

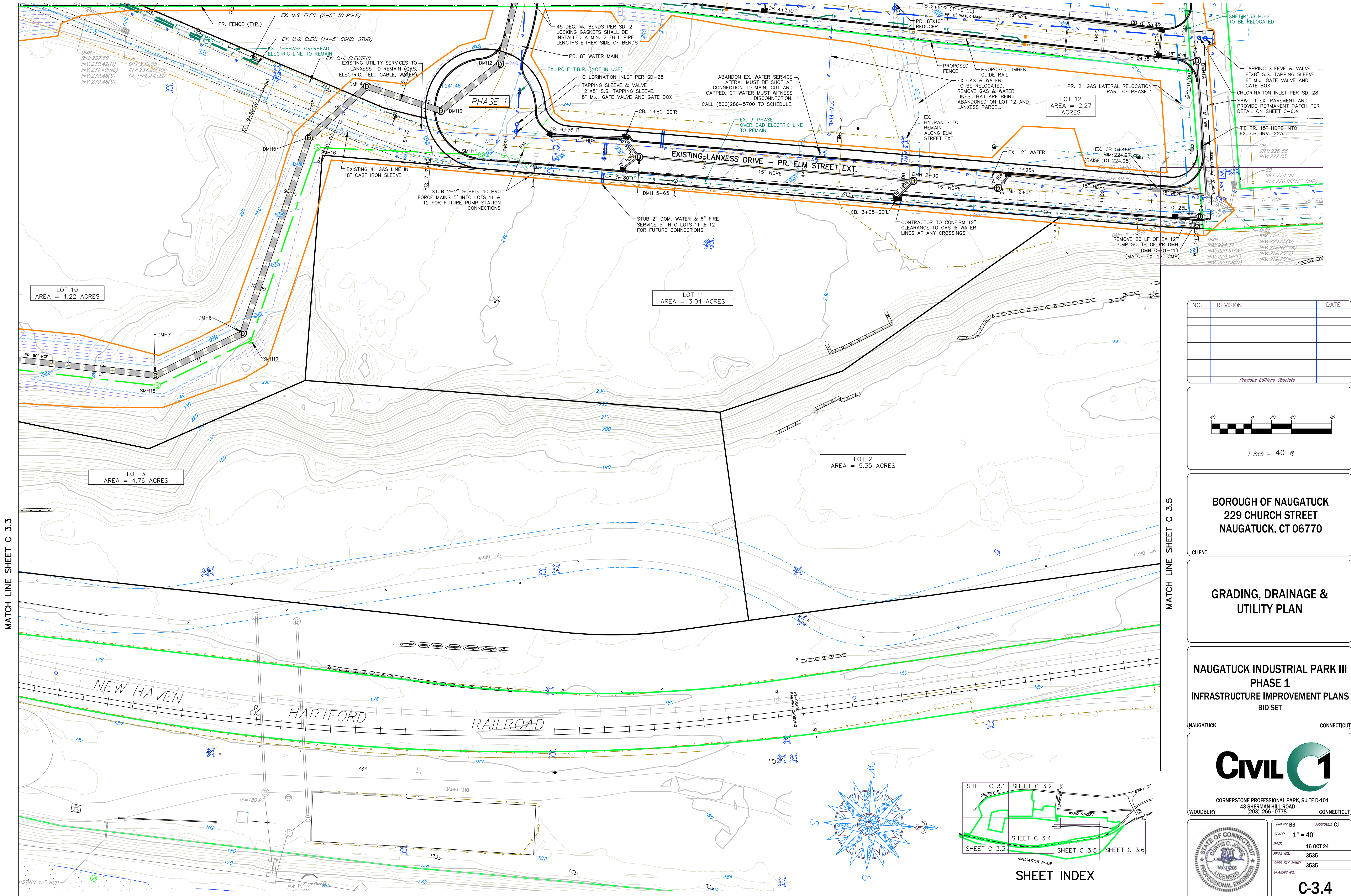
STATE OF CONNECTICUT
 CURTIS C. JONES
 No. 1206
 LICENSED PROFESSIONAL ENGINEER

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LEGEND

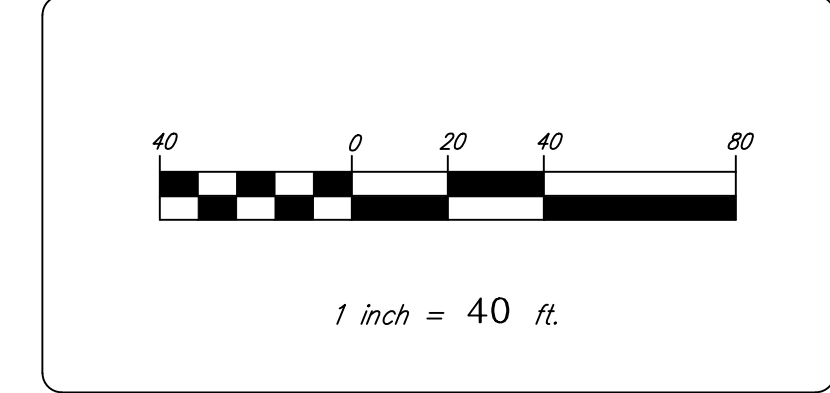
- PROPERTY LINE
- PROPOSED LOT LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING CURB LINE
- CHAIN LINK FENCE
- GUARD RAIL
- EXISTING GAS
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CABLE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD WIRES
- EXISTING CATCH BASIN
- EXISTING STORM MANHOLE
- SANITARY MANHOLE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- UTILITY POLE
- EXISTING LIGHT POLE
- PROPOSED STREET LIGHT
- EX. WATER VALVE
- PR. WATER VALVE
- GAS VALVE
- TRAFFIC BOX
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED STORM STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED GAS
- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED ELECTRICAL
- PROPOSED GUIDE RAIL

MATCH LINE SHEET C 3.4



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 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

**GRADING, DRAINAGE &
 UTILITY PLAN**

**NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET**

NAUGATUCK CONNECTICUT

CIVIL C1

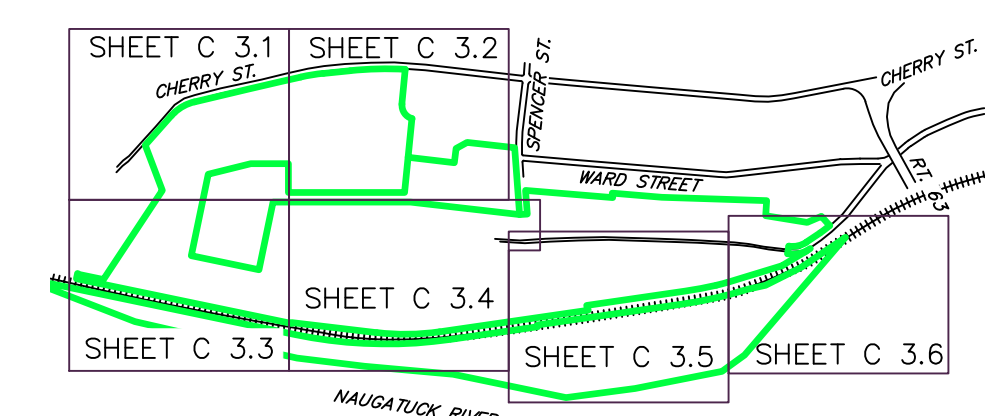
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT
 (203) 266-0778

STATE OF CONNECTICUT
 CURTIS C. JONES
 LICENSED PROFESSIONAL ENGINEER

DATE: 16 OCT 24
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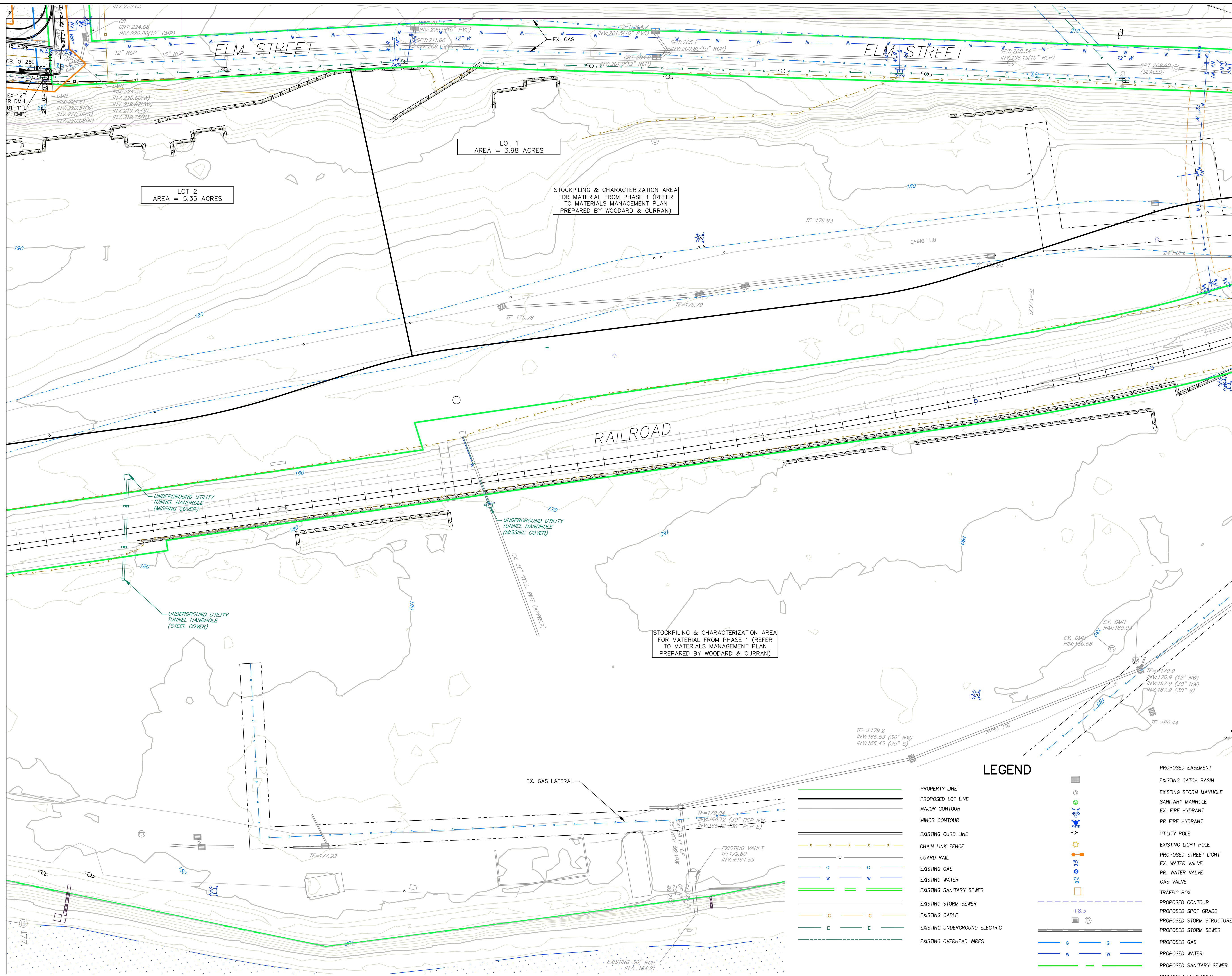
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SHEET INDEX

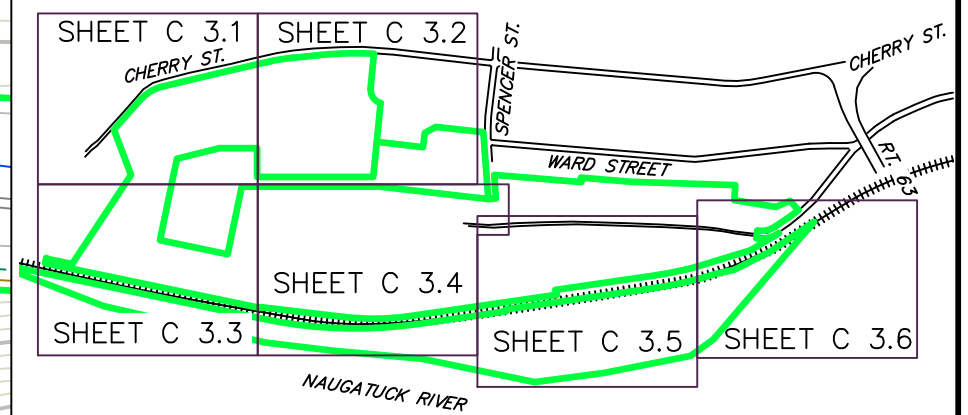
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MATCH LINE SHEET C 3.5

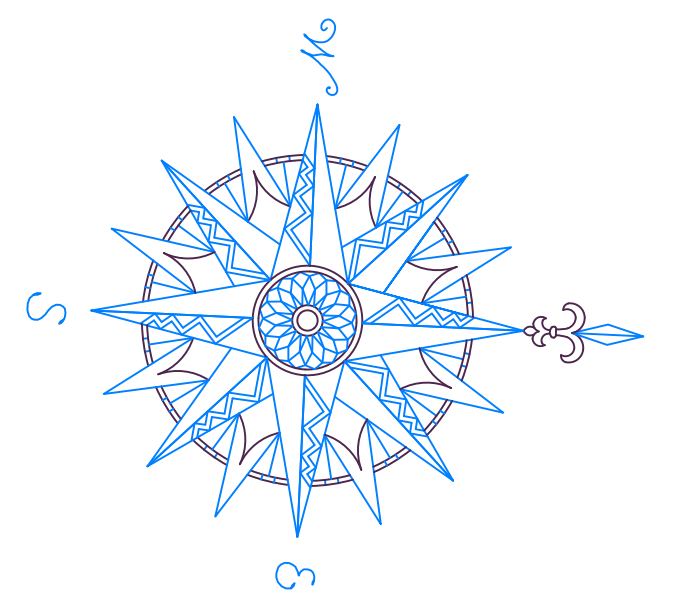


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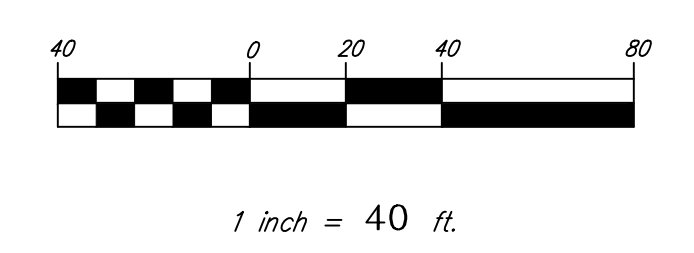


SHEET INDEX



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 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

GRADING, DRAINAGE & UTILITY PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

CIVIL C1

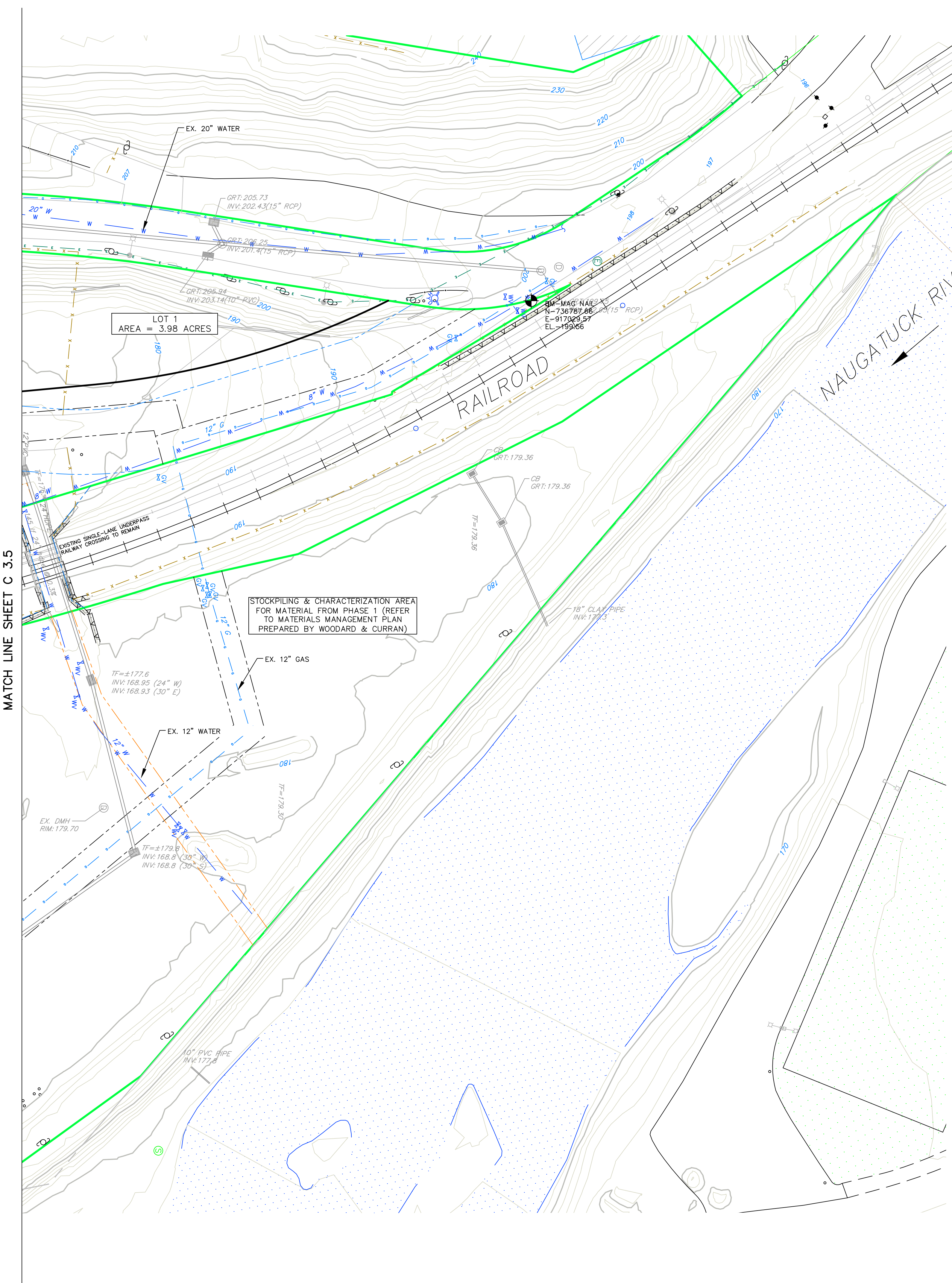
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778

STATE OF CONNECTICUT
 CURTIS C. JONES
 LICENSED PROFESSIONAL ENGINEER

SCALE: **1" = 40'**
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-3.5**

LEGEND

- PROPERTY LINE
- PROPOSED LOT LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING CURB LINE
- CHAIN LINK FENCE
- GUARD RAIL
- EXISTING GAS
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CABLE
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- EXISTING OVERHEAD WIRES
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- PROPOSED SPOT GRADE
- PROPOSED STORM STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED GAS
- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED ELECTRICAL
- PROPOSED GUIDE RAIL



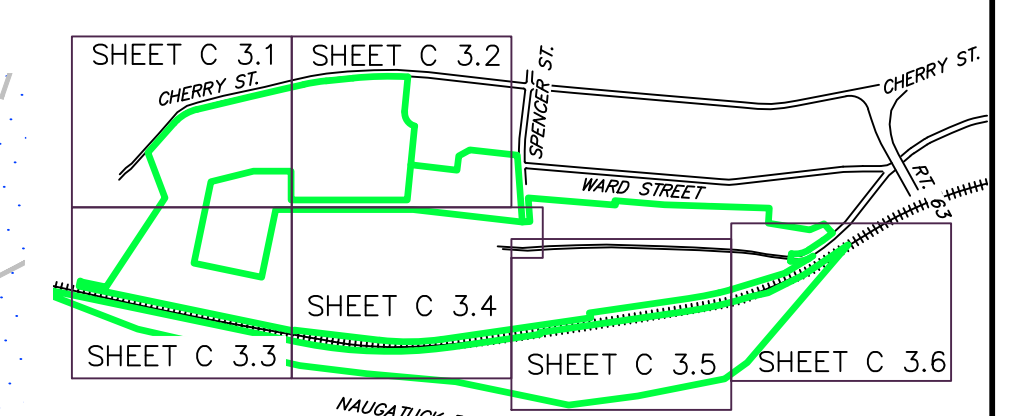
LEGEND

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[Symbol]	PROPOSED LOT LINE
[Symbol]	MAJOR CONTOUR
[Symbol]	MINOR CONTOUR
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[Symbol]	EXISTING WATER
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[Symbol]	PR. WATER VALVE
[Symbol]	GAS VALVE
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[Symbol]	PROPOSED CONTOUR
[Symbol]	PROPOSED SPOT GRADE
[Symbol]	PROPOSED STORM STRUCTURE
[Symbol]	PROPOSED STORM SEWER
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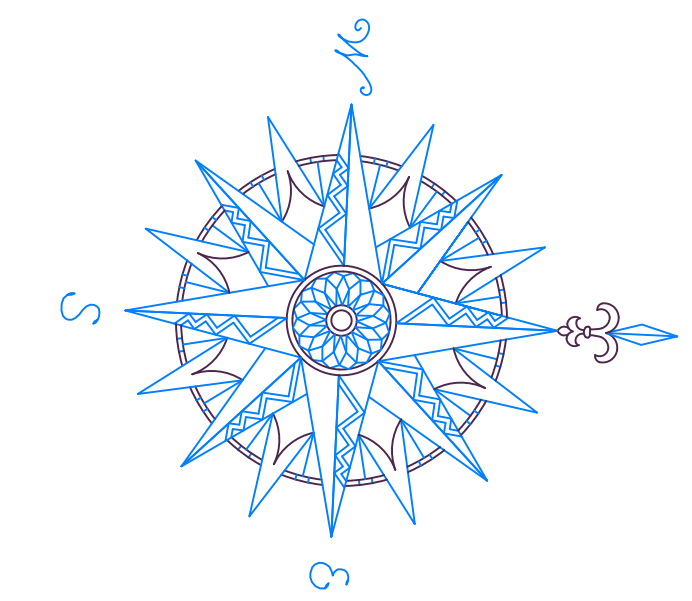
MATCH LINE SHEET C 3.5

LOT 1
AREA = 3.98 ACRES

STOCKPILING & CHARACTERIZATION AREA
FOR MATERIAL FROM PHASE 1 (REFER
TO MATERIALS MANAGEMENT PLAN
PREPARED BY WOODARD & CURRAN)



SHEET INDEX



DRAINAGE STRUCTURES – 60" RCP INSTALLATION

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)
DMH-1	248.25	234.8 (60")	234.8 (60")
DMH-2	240.50	232.88 (60")	232.88 (60")
DMH-3	241.00	232.37 (60")	232.37 (60")
DMH-4	245.00	231.85 (60")	231.85 (60")
DMH-5	247.00	231.35 (60")	231.35 (60")
DMH-6	239.50	229.87 (60")	229.87 (60")
DMH-7	238.80	229.20 (60")	229.20 (60")
DMH-8 (CL INLET GRATE)	241.50	227.81 (60")	227.81 (60")
DMH-9 (CL INLET GRATE)	213.50	206.00 (60")	206.00 (60")
DMH-10	189.00	182.00 (60")	182.00 (60")
DMH-11	189.00	180.65 (60")	180.65 (60")
DMH-12	185.00	177.0 (60")	173.70 (60")
DMH-13	183.30	175.15 (18")	173.35 (60")
DMH-16	180.55	176.00 (15"-S)	175.55 (36"-NE)
DMH-17 (CL INLET GRATE)	178.15	167.66 (60")	167.66 (60")
DMH-18	172.20	165.00 (60")	165.00 (60")
CB-4-1	251.34	-	248.10 (15")
CB-4-2	251.60	-	249.00 (15")

CONTRACTOR TO CONFIRM INVERTS OF ALL EXISTING STORM DRAINAGE TO BE TIED INTO PROPOSED STORM DRAINAGE PRIOR TO ORDERING STRUCTURES.

DRAINAGE STRUCTURES – ACCESS ROAD

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)
CB 6+00L	179.30	174.30 (36") (NO INLET)	172.60 (36")*
CB 2+92R	173.33	-	170.08 (15")
CB 2+92L	173.33	169.78 (15"-E)	166.20 (15"-S)
DMH-19	170.79	165.00 (15")	±165.00 (EX-36")

CONTRACTOR TO CONFIRM INVERTS OF ALL EXISTING STORM DRAINAGE TO BE TIED INTO PROPOSED STORM DRAINAGE PRIOR TO ORDERING STRUCTURES.

DRAINAGE STRUCTURES – ELM STREET EXTENSION

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)
DMH 0+01-11'L	224.65	220.00 (12")	220.00 (EX-12")
CB 0+25L	224.78	-	220.20 (12")
CB 0+46R	224.98	220.24 (15")	220.24 (15")
CB 1+95R	226.47	222.53 (15")	222.53 (15")
DMH 2+05	227.04	222.61 (15")	222.61 (15")
DMH 2+90	227.89	224.00 (15")	223.16 (15")
CB 3+05-20'L	227.65	-	223.50 (15")
DMH 5+65	235.54	232.01 (15")	229.45 (15")
CB 5+80L	235.62	-	232.16 (15")
CB 5+80-20'R	235.62	232.16 (15")	232.16 (15")
CB 6+65R	238.00	-	234.67 (15")

CONTRACTOR TO CONFIRM INVERTS OF ALL EXISTING STORM DRAINAGE TO BE TIED INTO PROPOSED STORM DRAINAGE PRIOR TO ORDERING STRUCTURES.

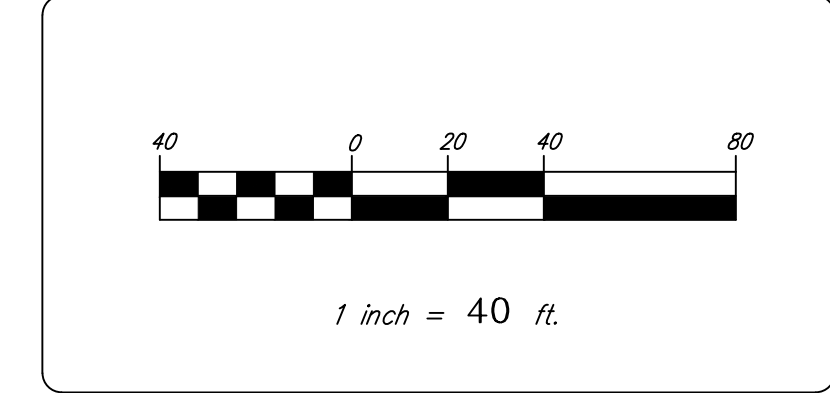
DRAINAGE STRUCTURES – PROPOSED LANXESS DRIVE

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)
DMH1A	231.80	228.55 (15")	228.55 (15")
CB 0+35.4L	232.40	228.80 (15")	228.80 (15")
CB 0+35.4R	232.40	229.00 (15")	229.00 (15")
CB 2+80R	236.00	231.23 (15")	231.23 (15")
CB 4+33L	238.30	-	234.80 (15")
CB 4+33R	238.30	234.57 (15")	234.57 (15")
CB1	237.78	235.28 (6")	234.53 (15")
CB2	238.00	234.00 (15")	234.00 (15")
CB3	238.40	-	235.08 (15")
CB4 (DOUBLE)	238.70	234.37 (15")	234.37 (15")
O.C.S.1 (OUTLET CONTROL)	238.50	234.00 (15")	232.00 (15")
CB 11+42L	236.15	229.90 (EX-12")	229.92 (EX-12")
DMH-14	186.91	180.21 (EX-12")	180.21 (12")
CB 18+84.5 46.4'L (TYPE CL)	180.00	-	176.75 (15")
DMH-15	184.25	178.51 (12"-W)	175.75 (18"-E)
CB 20+72 52'R	179.75	-	176.50 (15")

CONTRACTOR TO CONFIRM INVERTS OF ALL EXISTING STORM DRAINAGE TO BE TIED INTO PROPOSED STORM DRAINAGE PRIOR TO ORDERING STRUCTURES.

NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

**GRADING, DRAINAGE &
UTILITY PLAN &
DRAINAGE STRUCTURE TABLES**

**NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET**

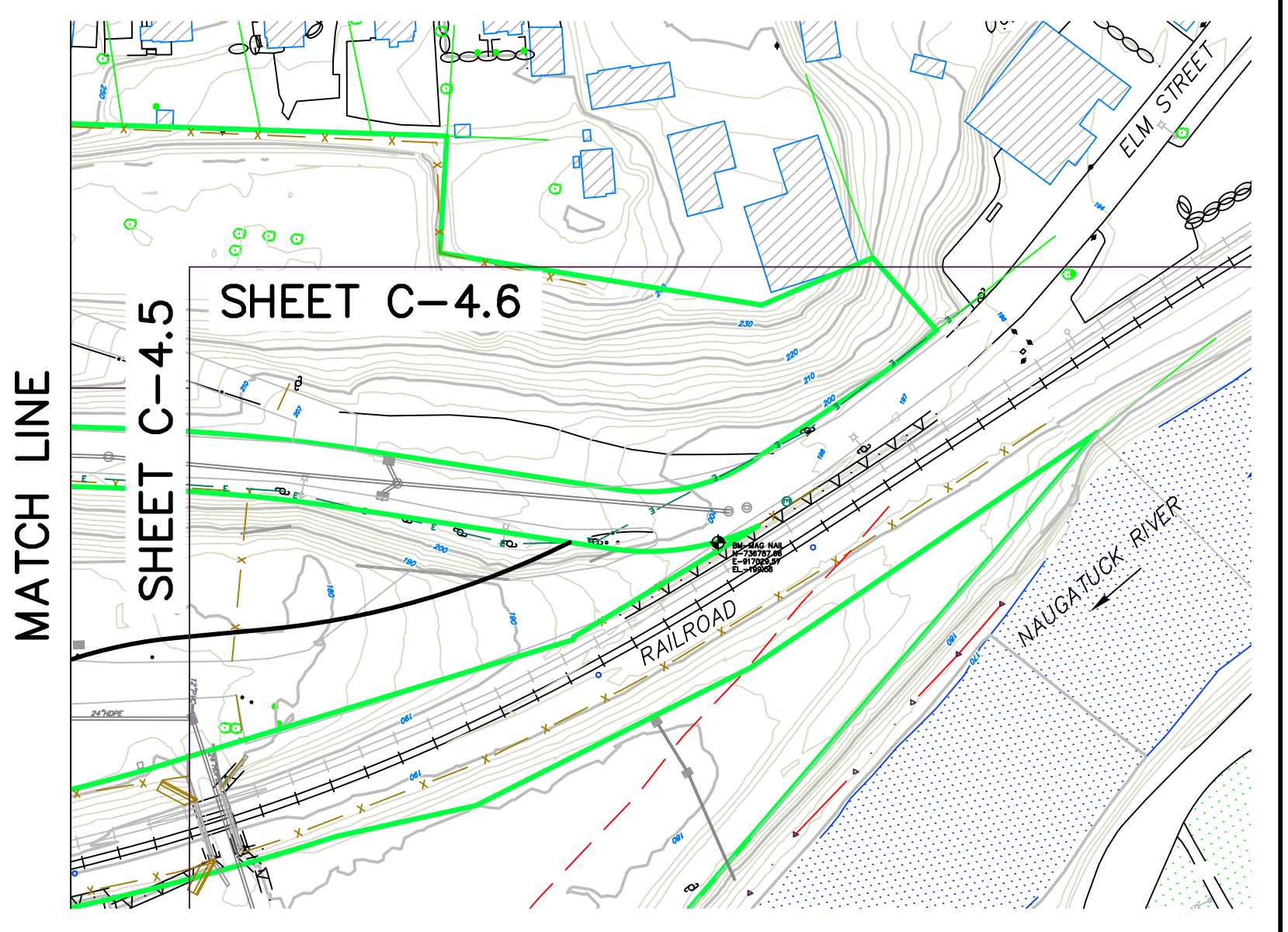
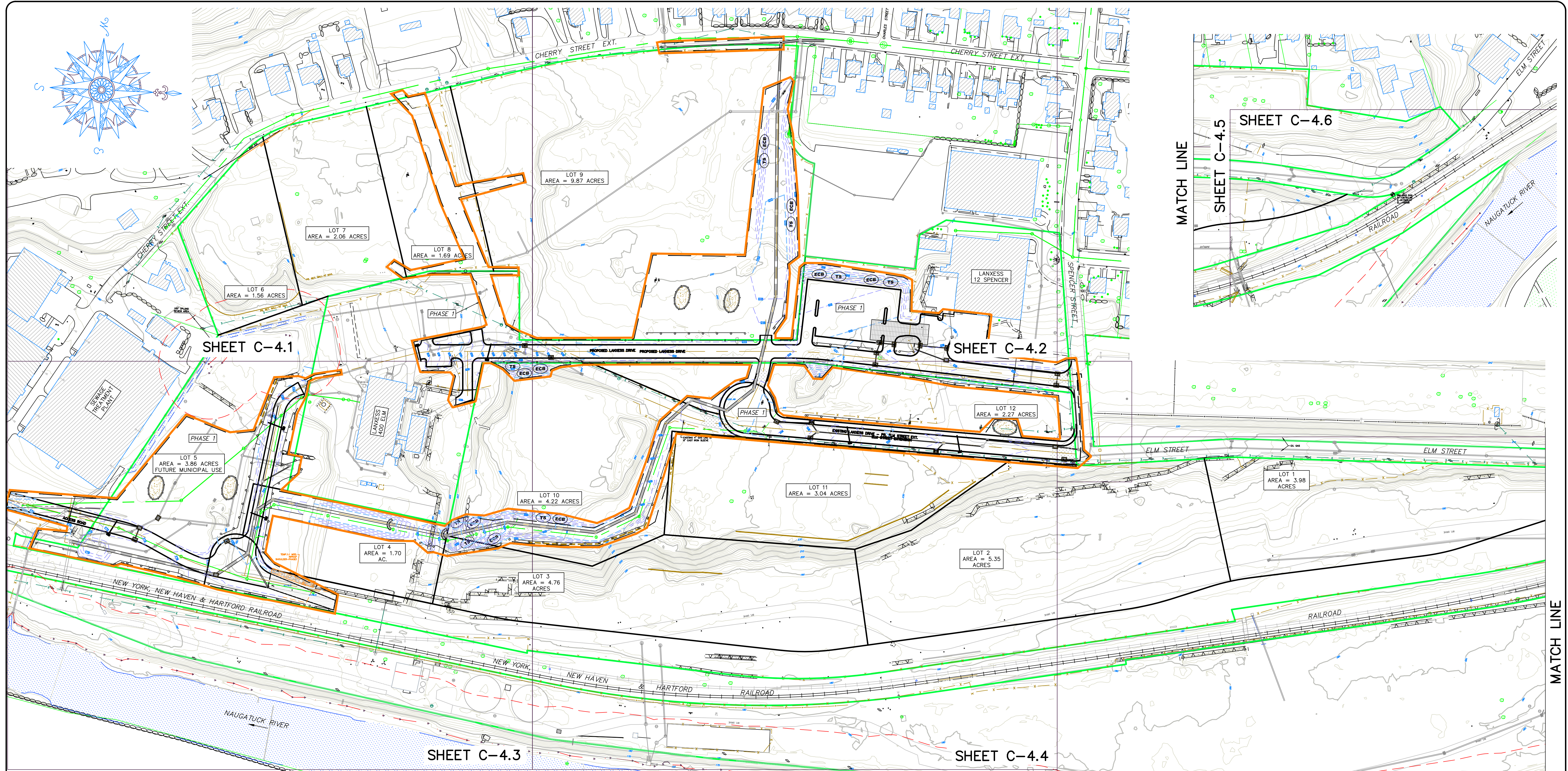
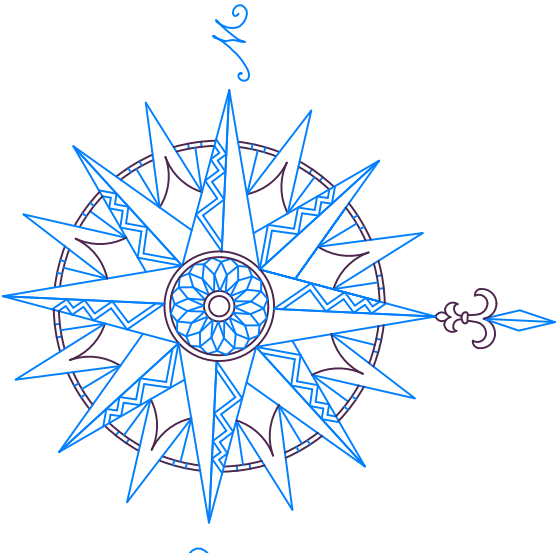
NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY 06897 CONNECTICUT

STATE OF CONNECTICUT
COURTIS C. JONES
NO. 1206
LICENSED PROFESSIONAL ENGINEER

SCALE: 1" = 40'
DATE: 16 OCT 24
PROJ. NO.: 3535
CADD FILE NAME: 3535
DRAWING NO.: C-3.6



SHEET C-4.1

SHEET C-4.2

SHEET C-4.3

SHEET C-4.4

SHEET C-4.5

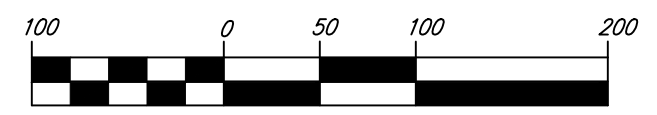
PHASE 1

LEGEND

- SILT FENCE
- TEMPORARY SOIL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- BALED FILTER OR SILT SACK
- STAKED HAY BALES
- TEMPORARY SEEDING
- TEMPORARY WATER BAR
- EROSION CONTROL BLANKET
- PROPOSED LIMITS OF CONSTRUCTION SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

NO.	REVISION	DATE

Previous Editions Obsolete



1 inch = 100 ft.

BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

OVERALL EROSION & SEDIMENT CONTROL PLAN


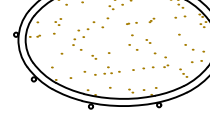








NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

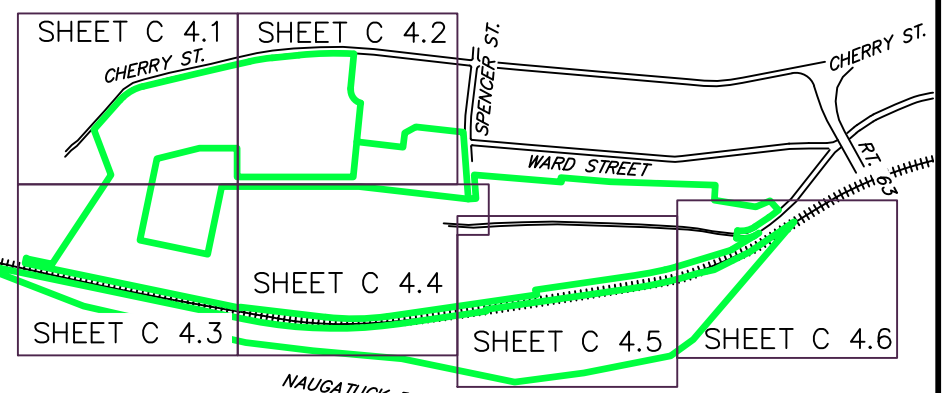
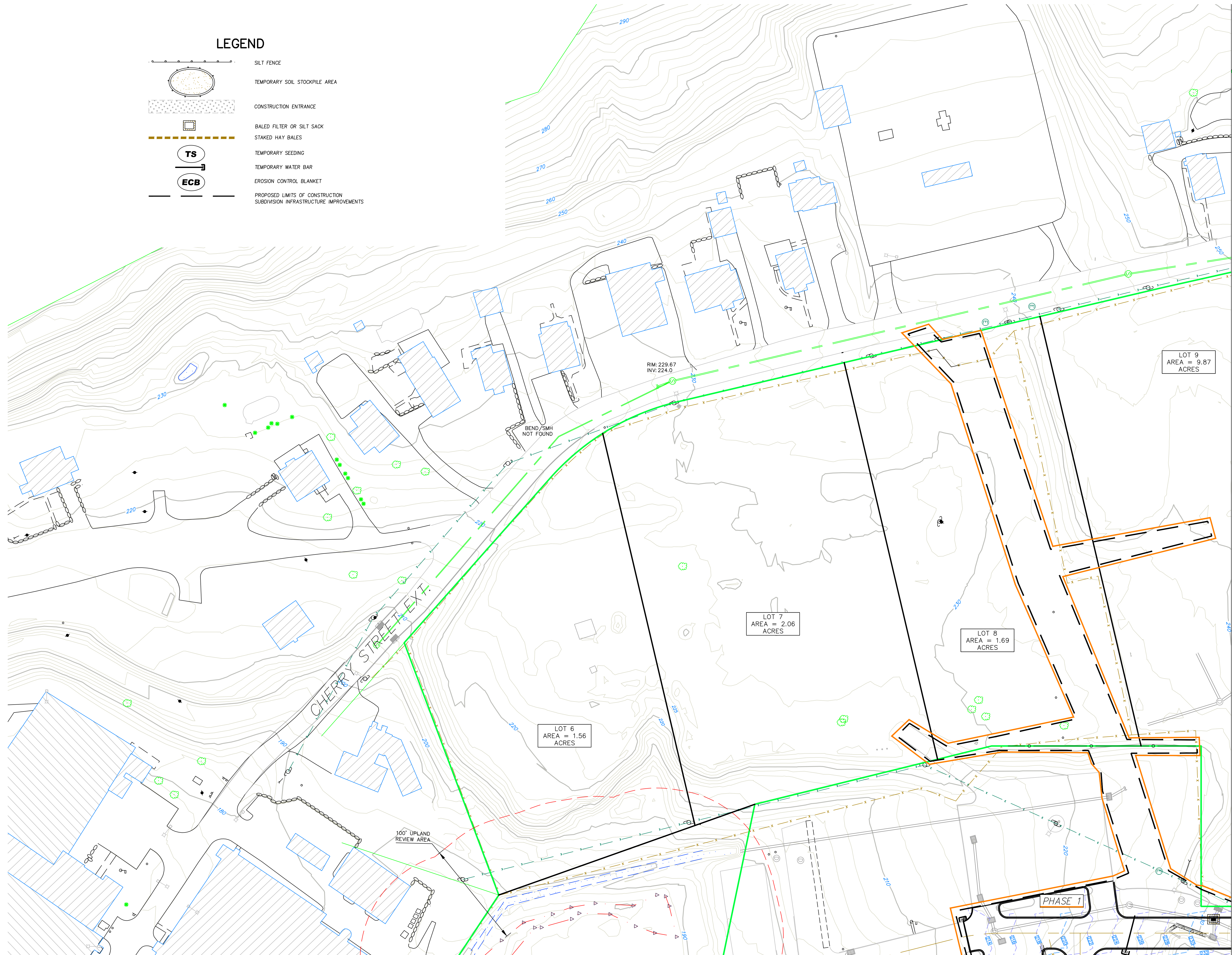
CIVIL C1
 CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778



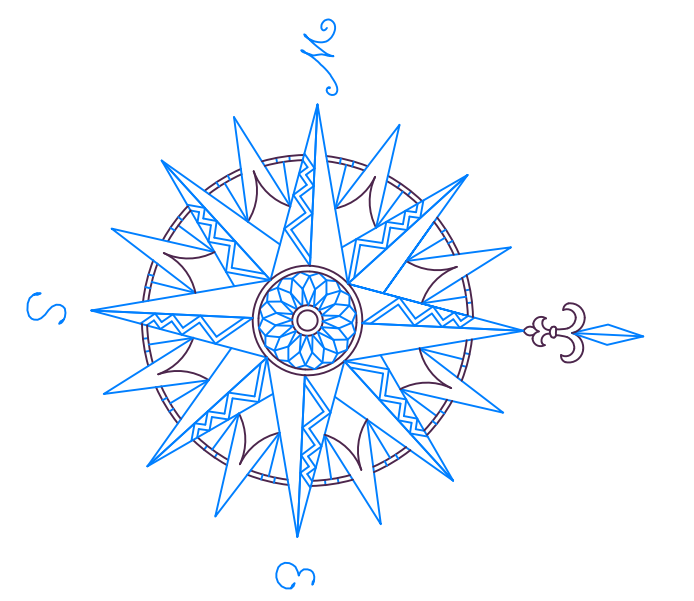
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 SCALE: 1" = 100'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-4.0**

LEGEND

-  SILT FENCE
-  TEMPORARY SOIL STOCKPILE AREA
-  CONSTRUCTION ENTRANCE
-  BALED FILTER OR SILT SACK
-  STAKED HAY BALES
-  TEMPORARY SEEDING
-  TEMPORARY WATER BAR
-  EROSION CONTROL BLANKET
-  PROPOSED LIMITS OF CONSTRUCTION
-  SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

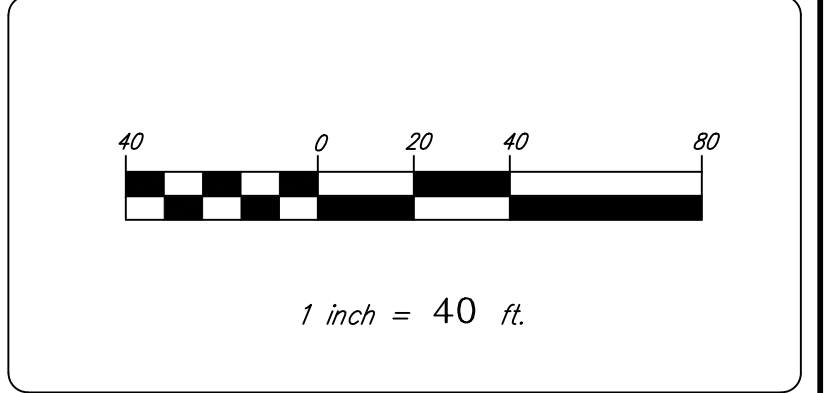


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

Civil C1

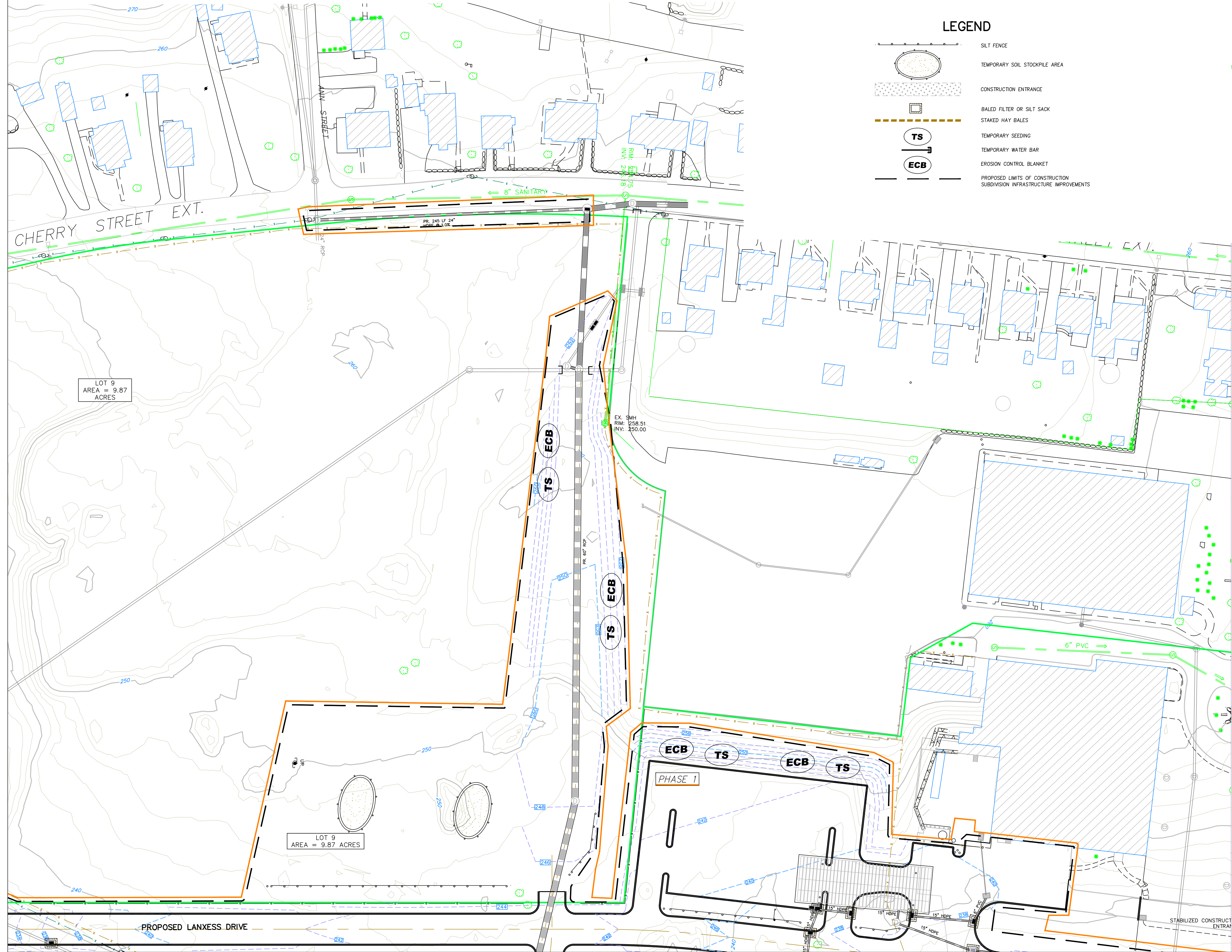
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY CONNECTICUT (203) 266-0778



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 CAD FILE NAME: 3535
 DRAWING NO.: **C-4.1**

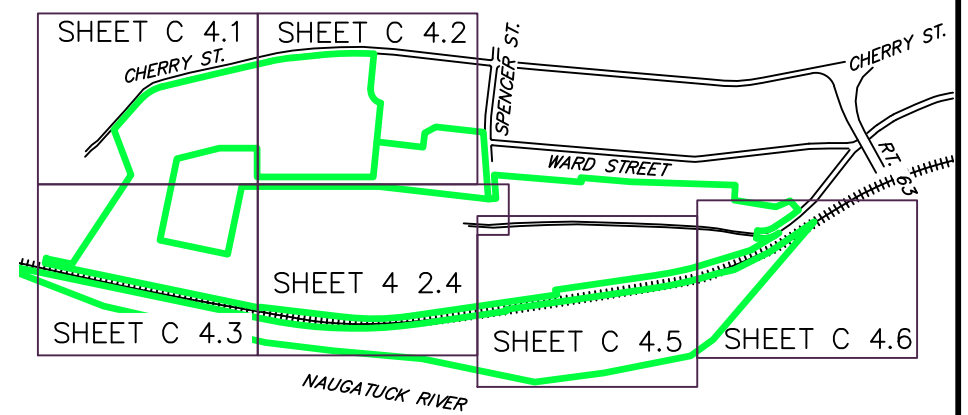
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MATCH LINE SHEET C 4.3

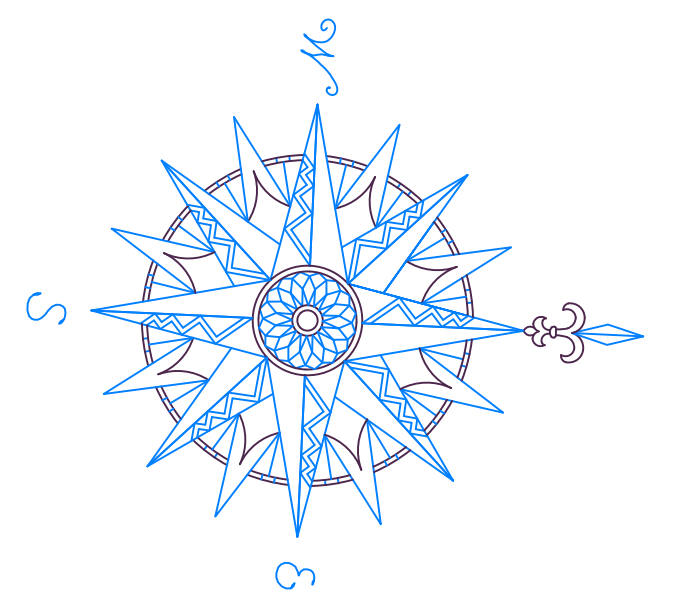


LEGEND

- SILT FENCE
- TEMPORARY SOIL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- BALED FILTER OR SILT SACK
- STAKED HAY BALES
- TEMPORARY SEEDING
- TEMPORARY WATER BAR
- EROSION CONTROL BLANKET
- PROPOSED LIMITS OF CONSTRUCTION
- SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

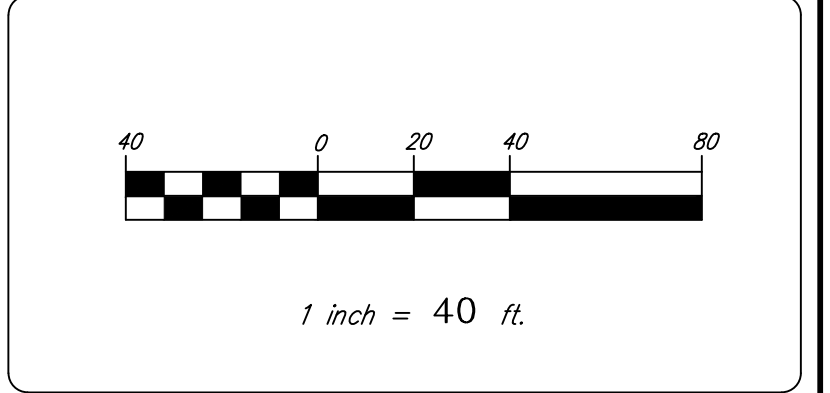


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

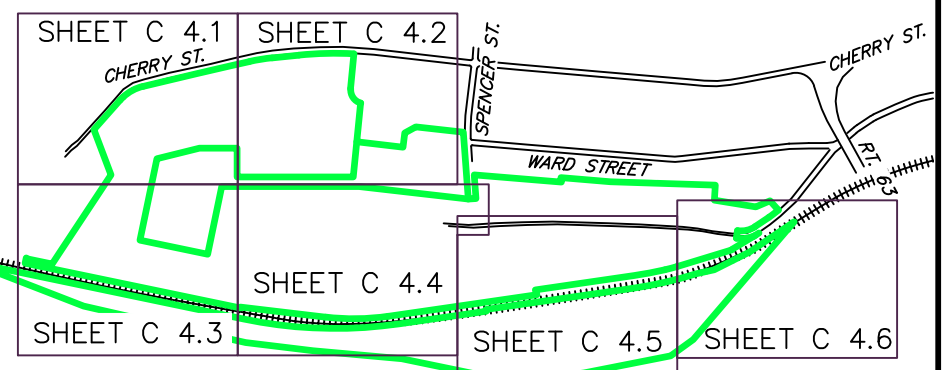
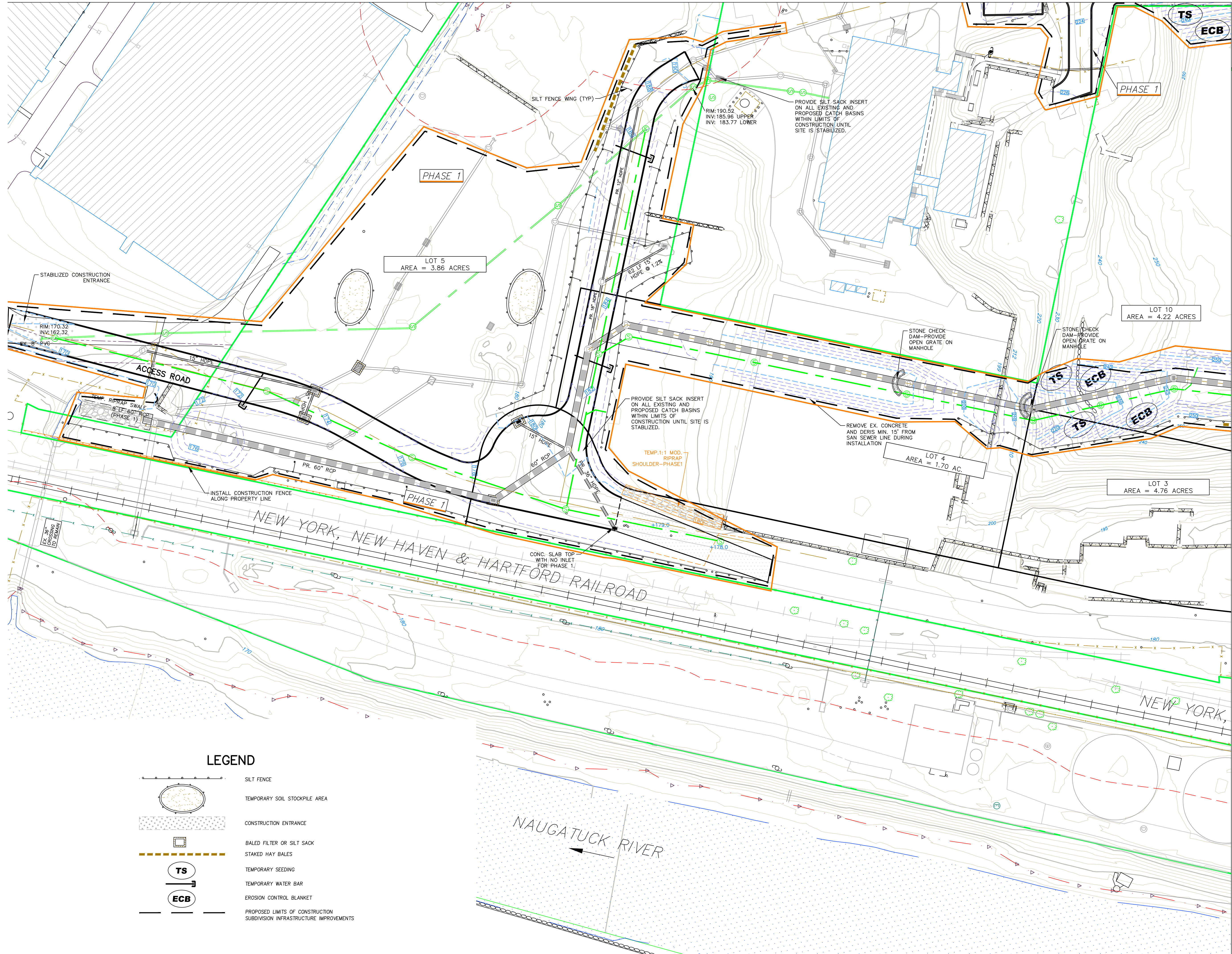
NAUGATUCK CONNECTICUT

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CT 06798 (203) 266-0778

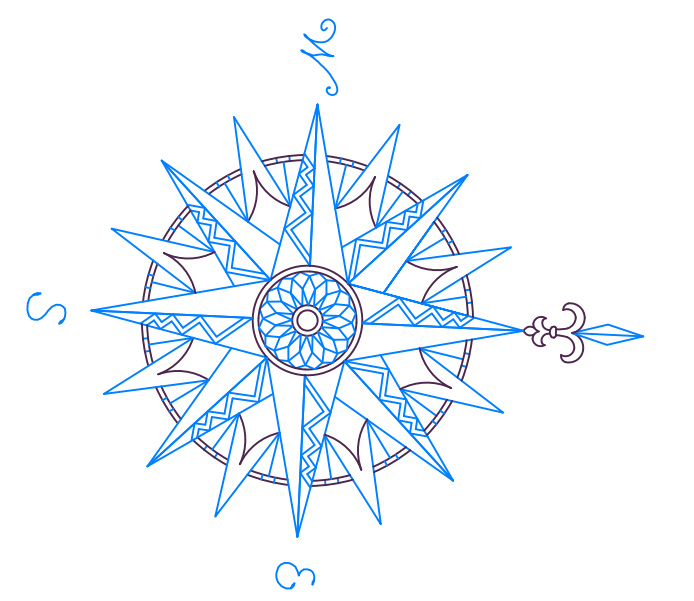
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MATCH LINE SHEET C 4.1

MATCH LINE SHEET C 2.4

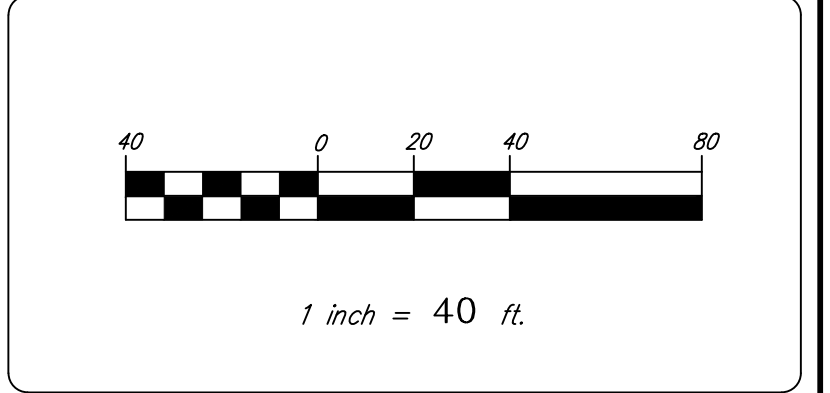


SHEET INDEX



NO.	REVISION	DATE

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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

CIVIL **C1**

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY, CONNECTICUT (203) 266-0778

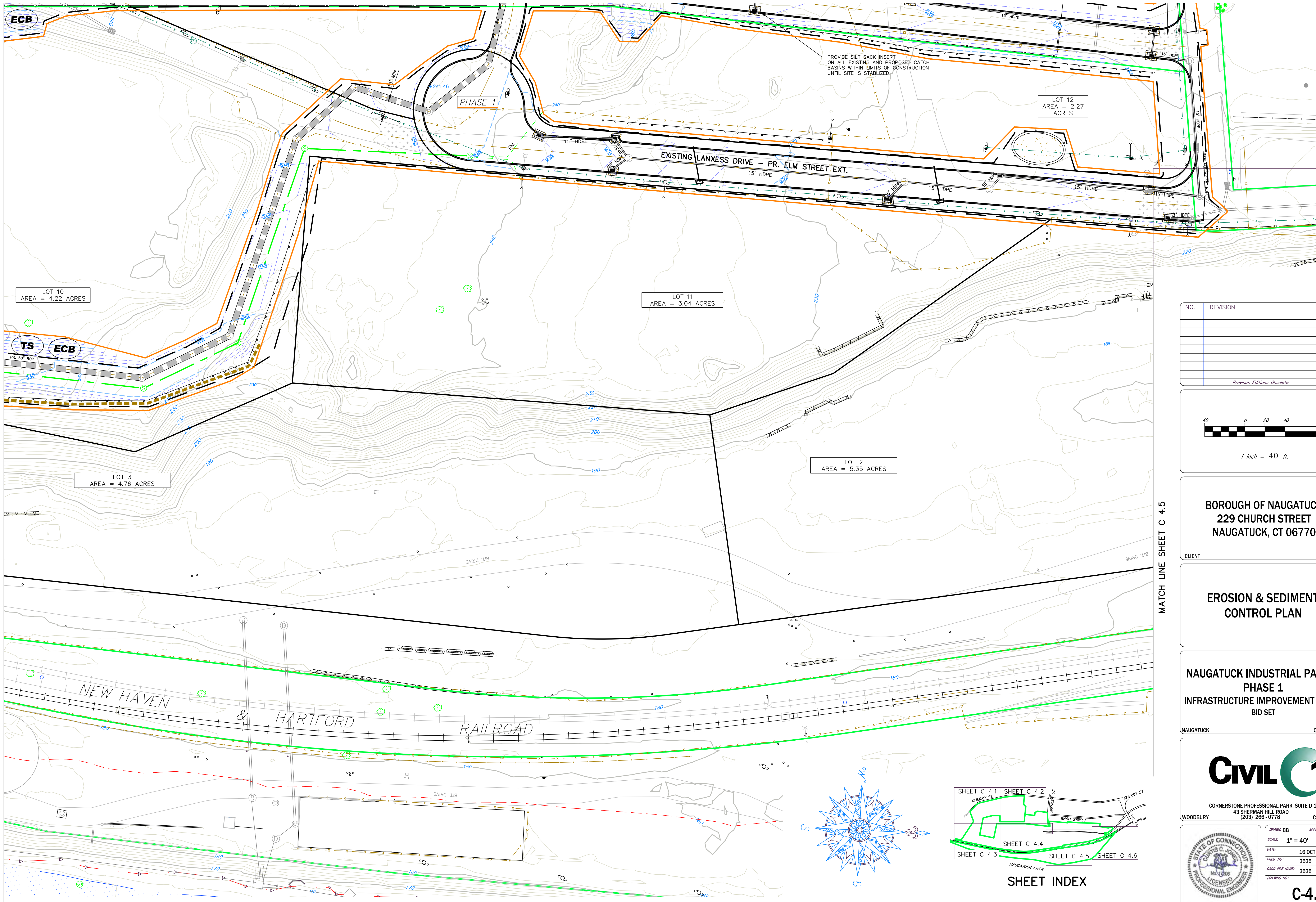
STATE OF CONNECTICUT
 CURTIS C. JONES
 No. 1206
 LICENSED PROFESSIONAL ENGINEER

DRAWN: BB APPROVED: CJ
 SCALE: 1" = 40'
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: C-4.3

LEGEND

- SILT FENCE
- TEMPORARY SOIL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- BALED FILTER OR SILT SACK
- STAKED HAY BALES
- TEMPORARY SEEDING
- TEMPORARY WATER BAR
- EROSION CONTROL BLANKET
- PROPOSED LIMITS OF CONSTRUCTION
- SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

MATCH LINE SHEET C 4.4



PROVIDE SILT SACK INSERT ON ALL EXISTING AND PROPOSED CATCH BASINS WITHIN LIMITS OF CONSTRUCTION UNTIL SITE IS STABILIZED.

LOT 12
AREA = 2.27
ACRES

LOT 11
AREA = 3.04
ACRES

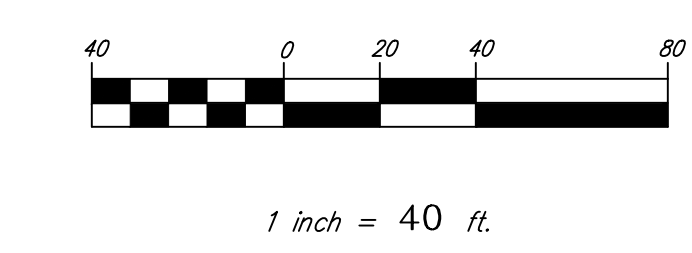
LOT 2
AREA = 5.35
ACRES

LOT 3
AREA = 4.76
ACRES

LOT 10
AREA = 4.22
ACRES

NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

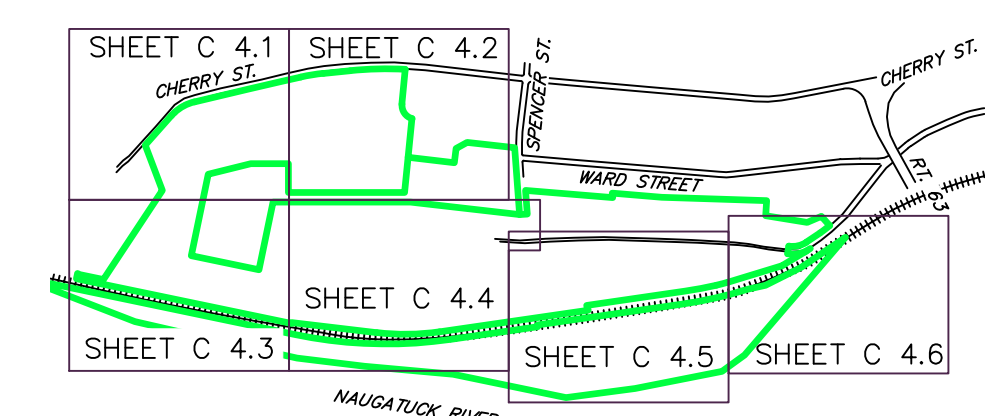
CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY CONNECTICUT (203) 266-0778

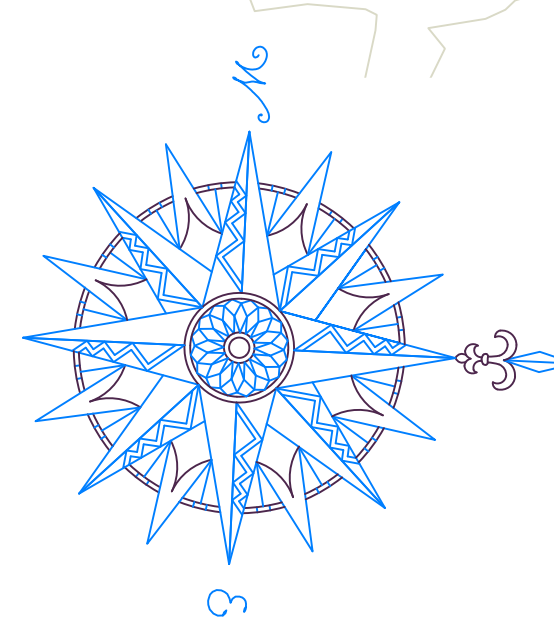


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C-4.4

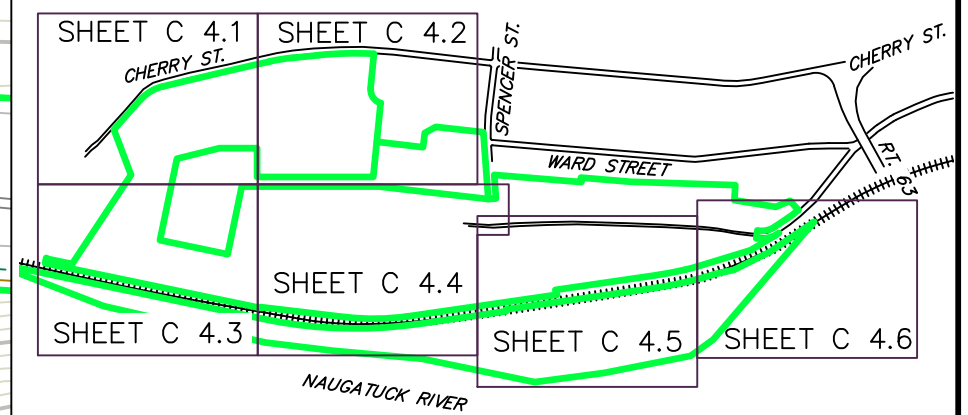
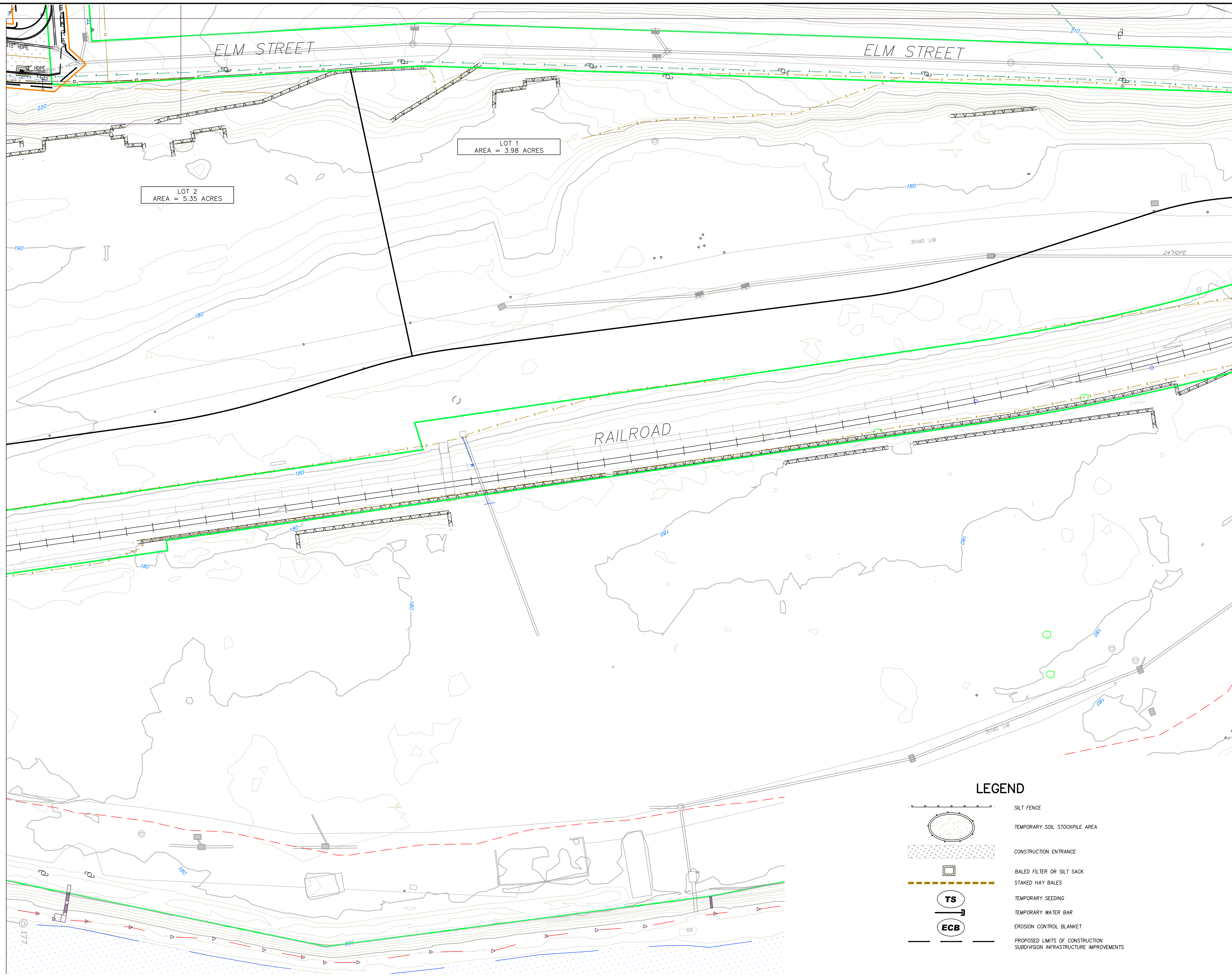


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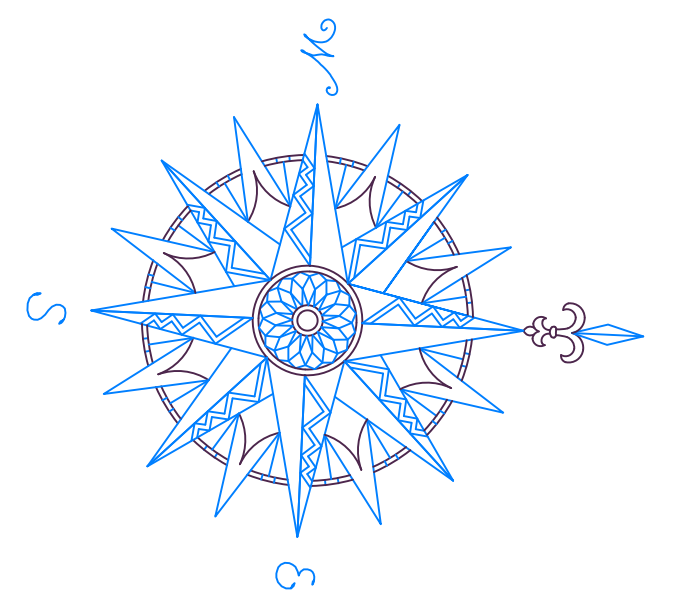


MATCH LINE SHEET C 4.3

MATCH LINE SHEET C 4.5

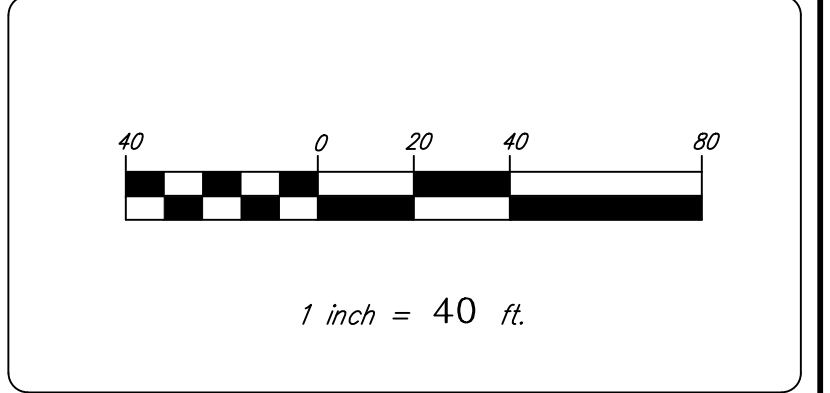


SHEET INDEX



NO.	REVISION	DATE

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BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

CIVIL C1

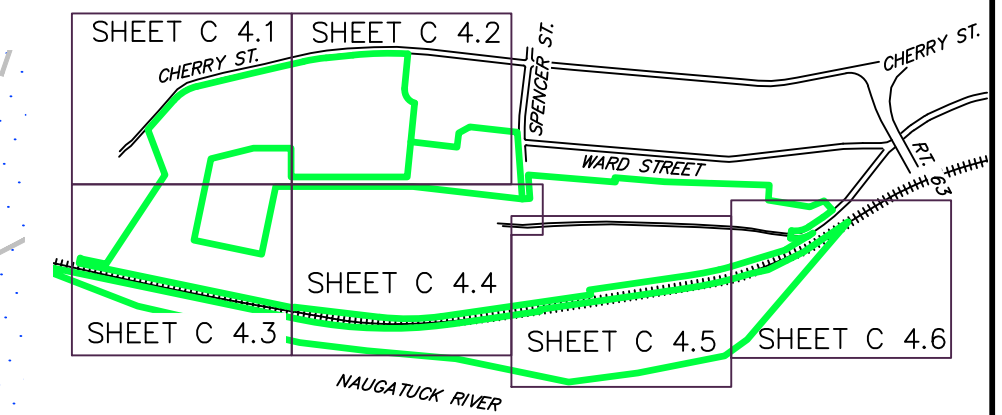
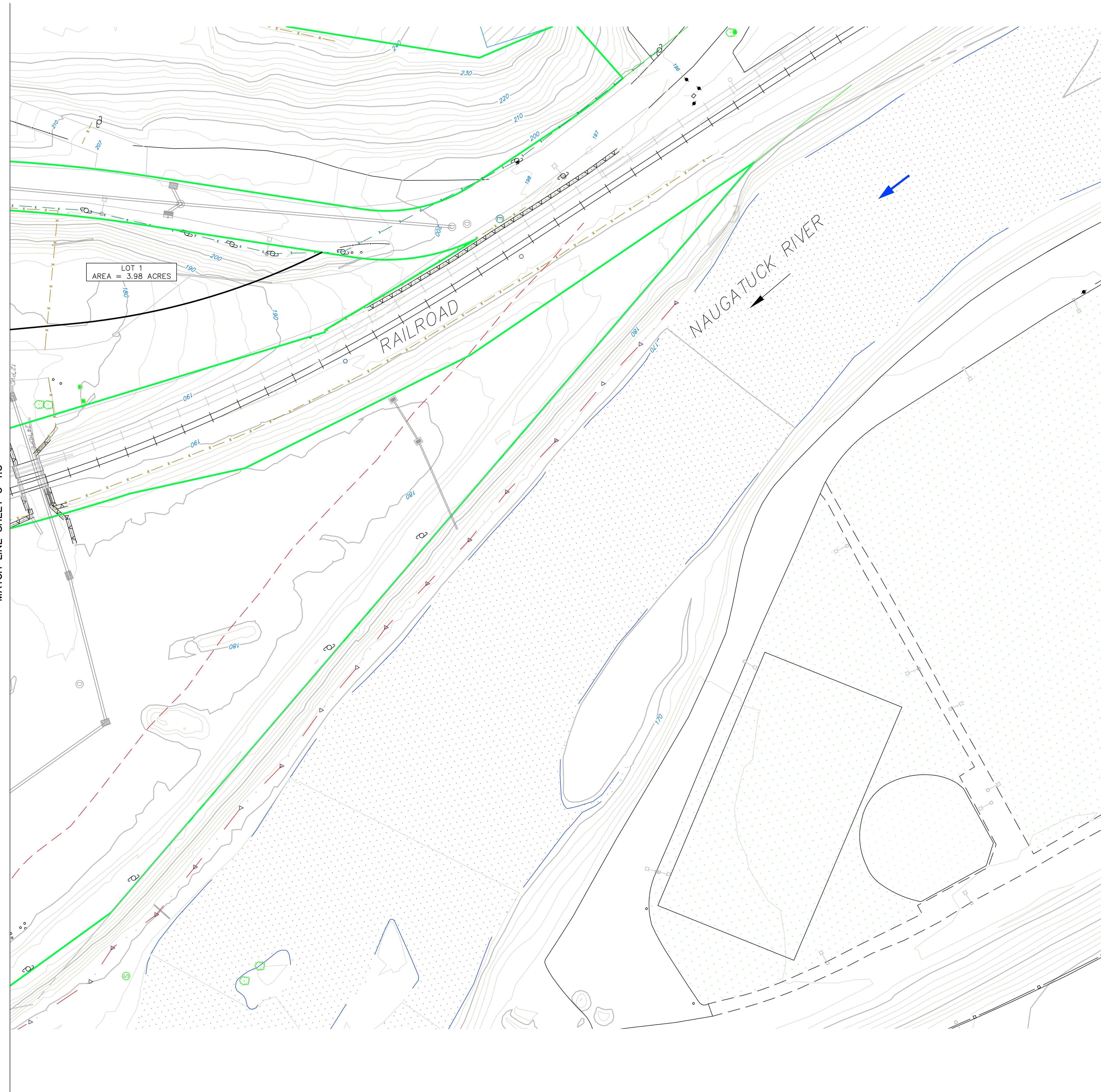
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY 06897 CONNECTICUT
 (203) 266-0778



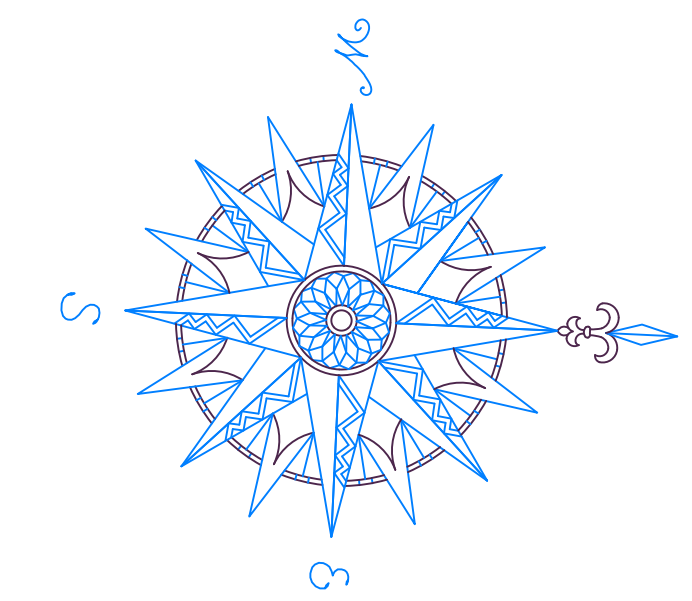
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 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-4.5**

LEGEND

- SILT FENCE
- TEMPORARY SOIL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- BALED FILTER OR SILT SACK
- STAKED HAY BALES
- TEMPORARY SEEDING
- TEMPORARY WATER BAR
- EROSION CONTROL BLANKET
- PROPOSED LIMITS OF CONSTRUCTION
- SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

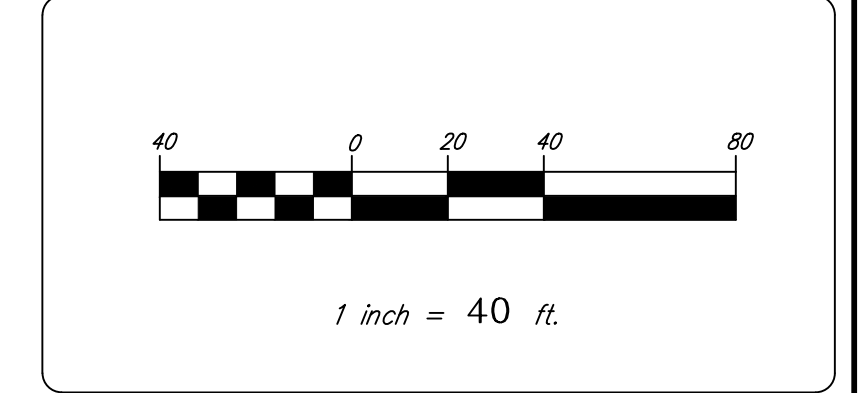


SHEET INDEX



NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

EROSION & SEDIMENT CONTROL PLAN

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY 203 266-0778 CONNECTICUT

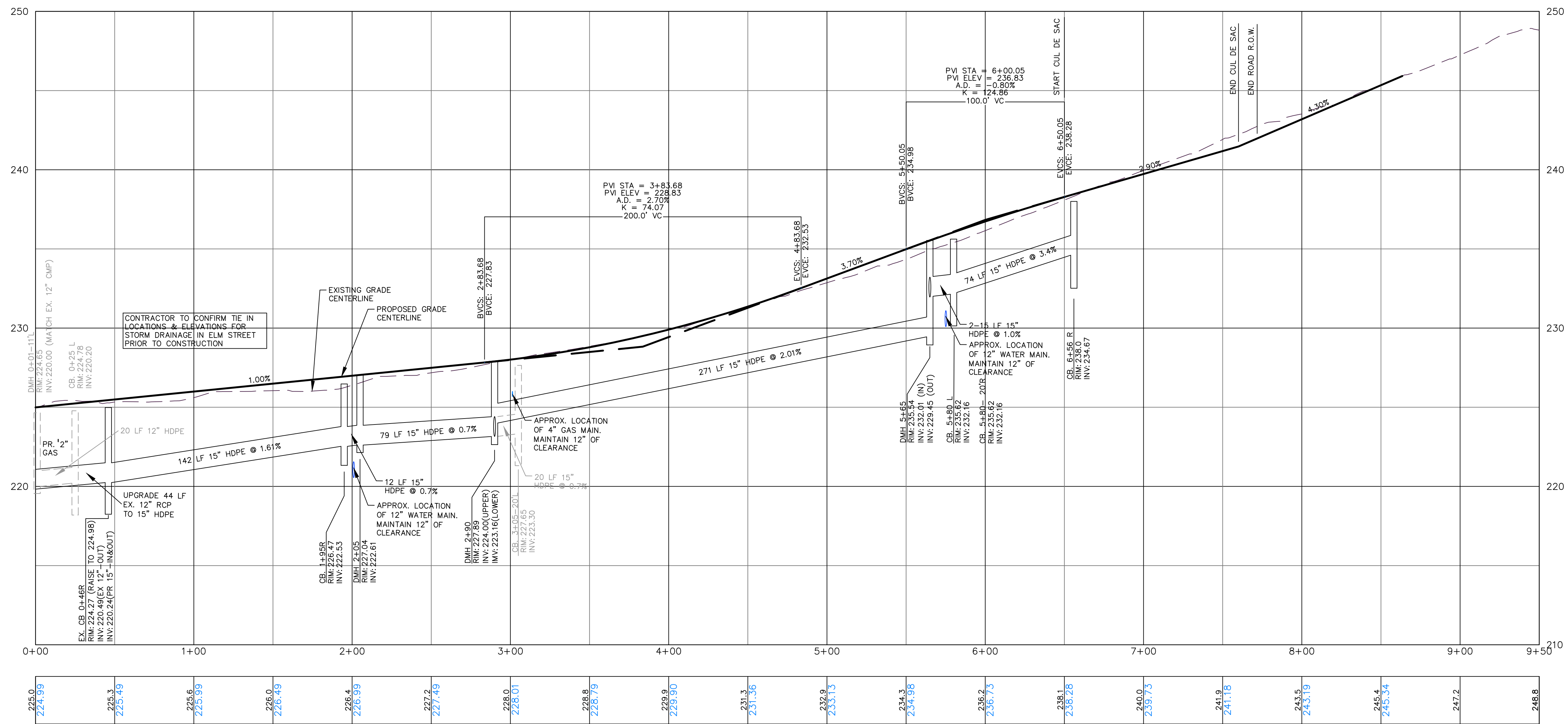


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 DRAWING NO.: **C-4.6**

LEGEND

- SILT FENCE
- TEMPORARY SOIL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- BALED FILTER OR SILT SACK
- STAKED HAY BALES
- TEMPORARY SEEDING
- TEMPORARY WATER BAR
- EROSION CONTROL BLANKET
- PROPOSED LIMITS OF CONSTRUCTION
- SUBDIVISION INFRASTRUCTURE IMPROVEMENTS

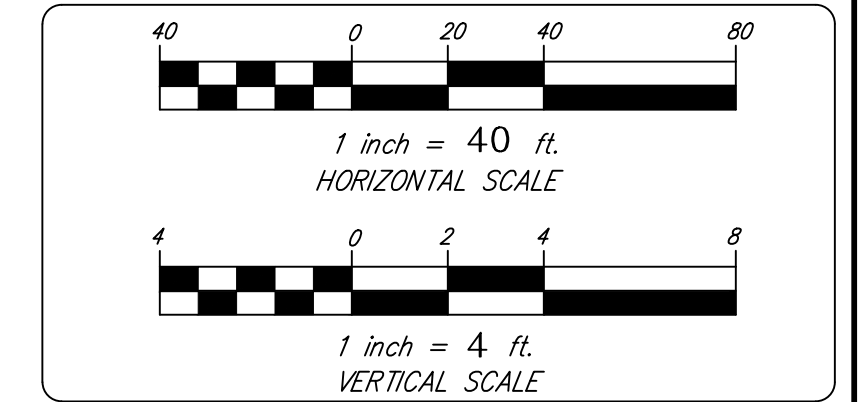
MATCH LINE SHEET C 4.5



ELM STREET EXTENSION

NO.	REVISION	DATE

Previous Editions Obsolete



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

ROADWAY PROFILES
ELM STREET

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

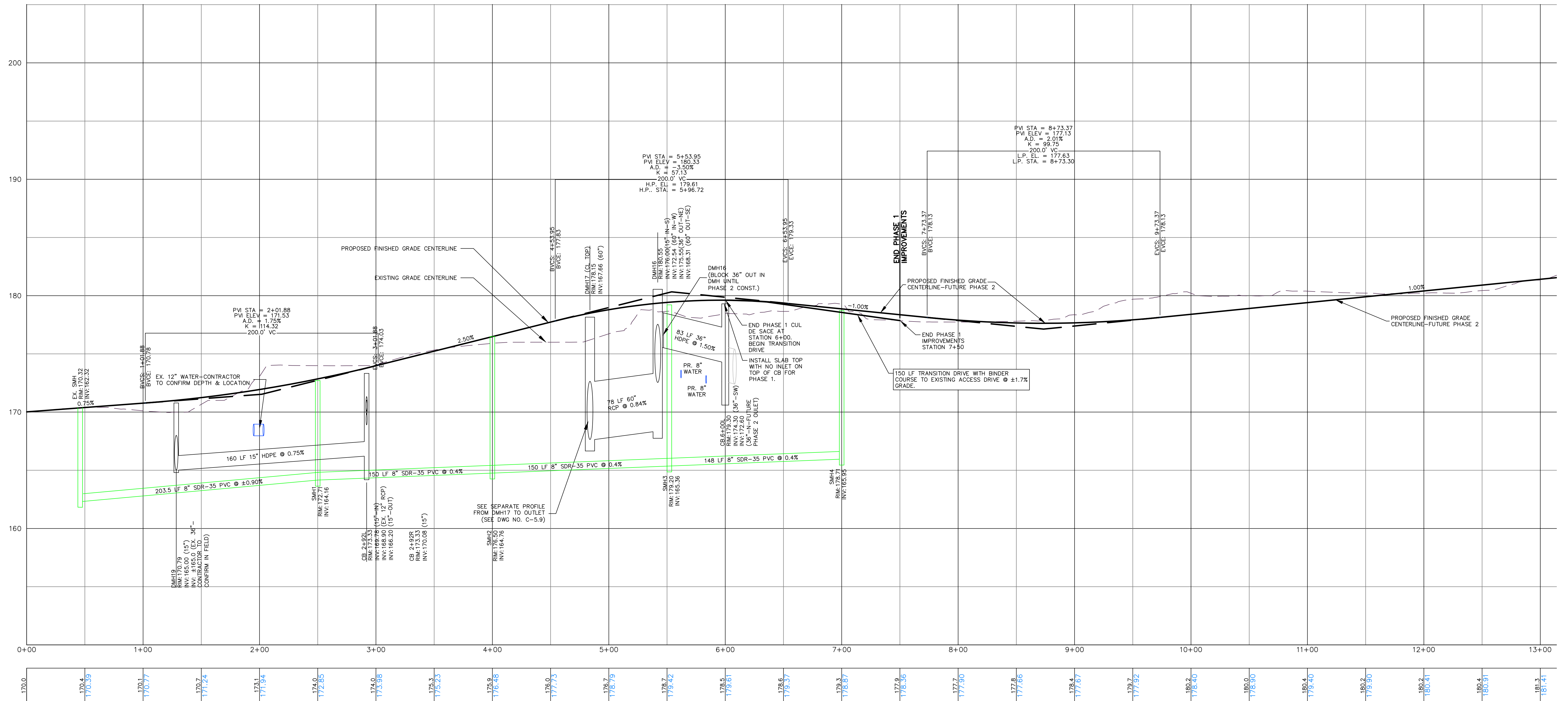
NAUGATUCK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 WOODBURY (203) 266-0778 CONNECTICUT

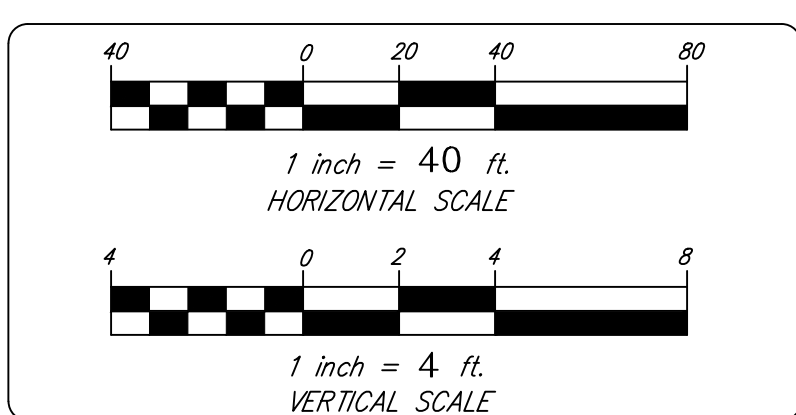
STATE OF CONNECTICUT
 CURTIS C. JONES
 No. 1006
 LICENSED PROFESSIONAL ENGINEER

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 SCALE: 1" = 40' HOR. 1" = 4' VER.
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CADD FILE NAME: 3535
 DRAWING NO.: **C-5.1**



ACCESS ROAD
STA. 0+00 TO 13+00

170.0	170.4	170.7	171.1	171.5	171.9	172.3	172.7	173.1	173.5	173.9	174.3	174.7	175.1	175.5	175.9	176.3	176.7	177.1	177.5	177.9	178.3	178.7	179.1	179.5	179.9	180.3	180.7	181.1	181.5	181.9	182.3	182.7	183.1	183.5	183.9	184.3	184.7	185.1	185.5	185.9	186.3	186.7	187.1	187.5	187.9	188.3	188.7	189.1	189.5	189.9	190.3	190.7	191.1	191.5	191.9	192.3	192.7	193.1	193.5	193.9	194.3	194.7	195.1	195.5	195.9	196.3	196.7	197.1	197.5	197.9	198.3	198.7	199.1	199.5	199.9	200.0
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ROADWAY PROFILES
ACCESS ROAD
STA. 0+00 TO 13+00



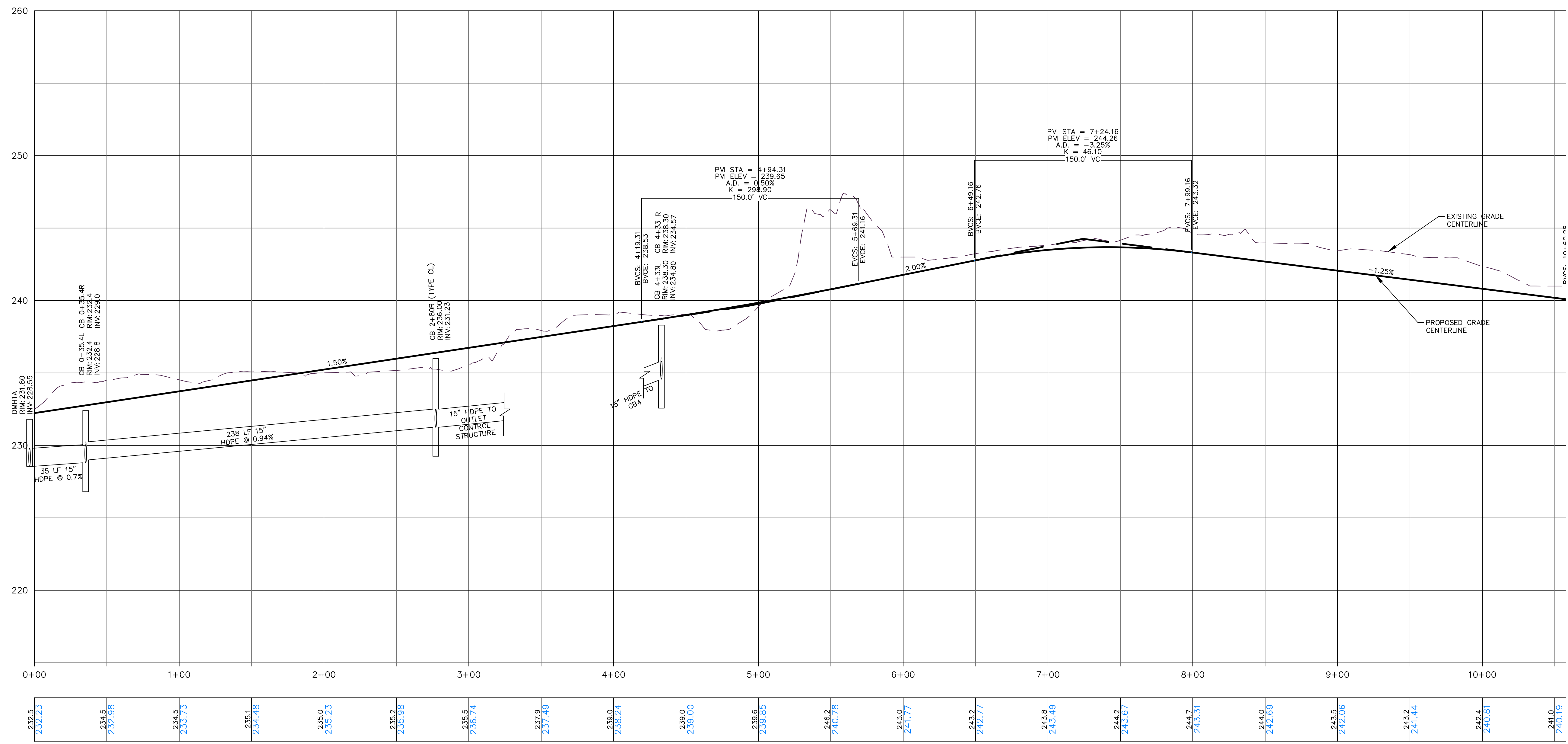
NO.	REVISION	DATE

Previous Editions Obsolete

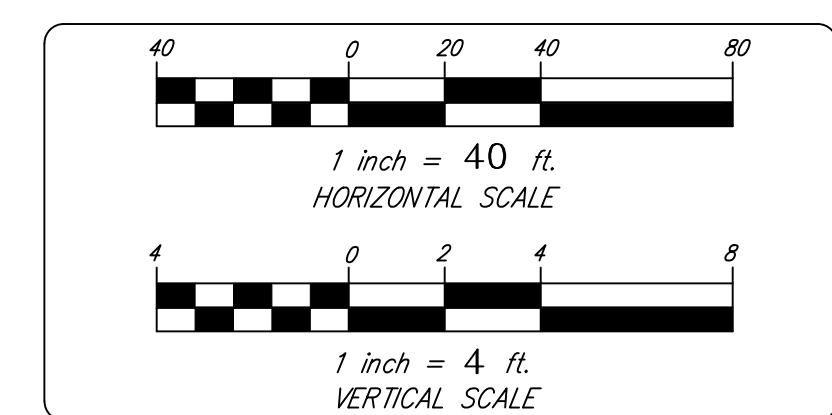
BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

CLIENT	CONNECTICUT
DATE: 16 OCT 24	APPROVED: CJ
SCALE: 1" = 40' HOR., 1" = 4' VER.	DRAWN: BB
PROJECT NO.: 3535	CADD FILE NAME: 3535
DRAWING NO.: C-5.2	



LANXESS DRIVE
STA. 0+00 TO 10+50



LANXESS DRIVE
STA. 0+00 TO 10+50

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY CONNECTICUT (203) 266-0778

NO.	REVISION	DATE

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

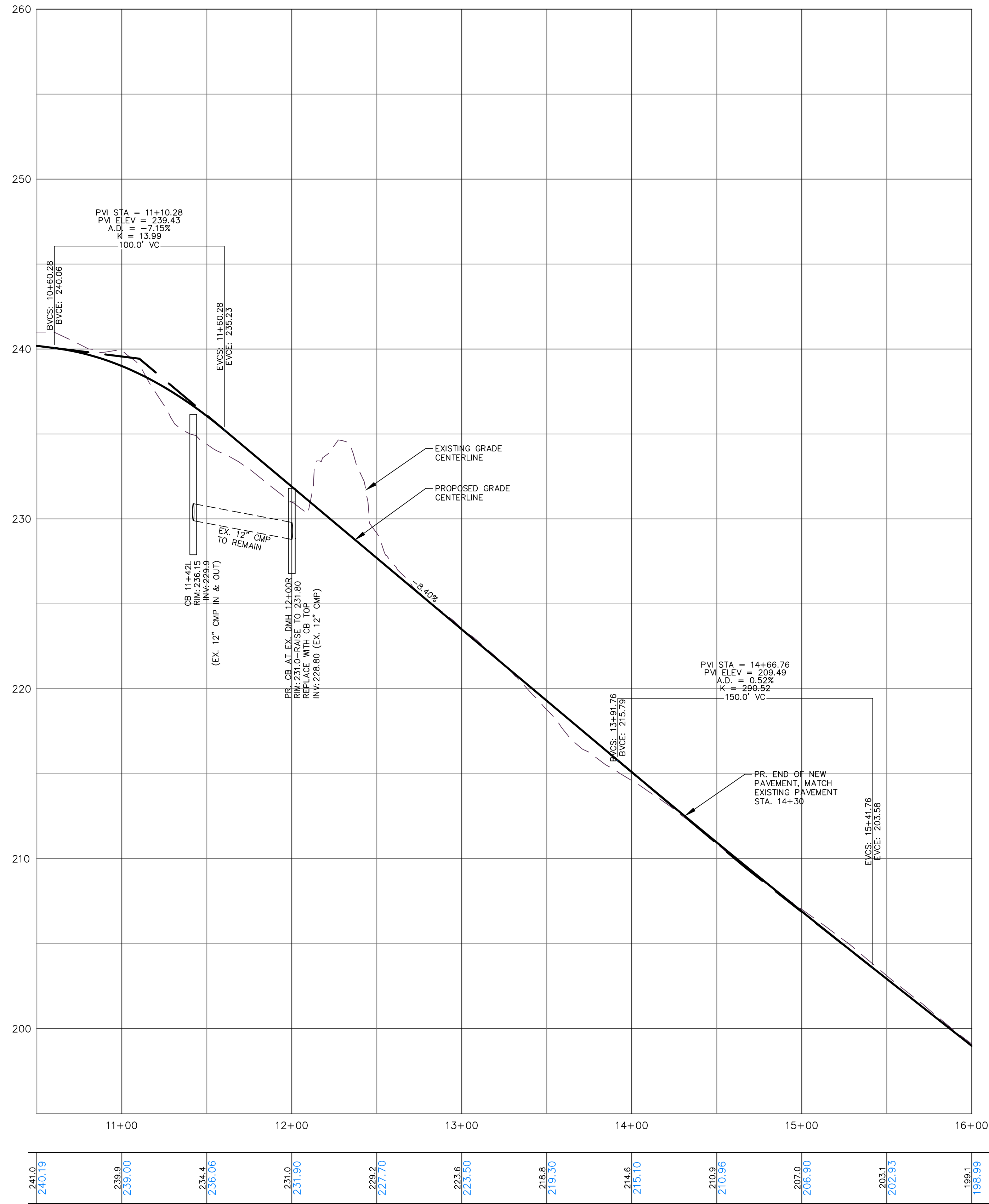
STATE OF CONNECTICUT
COURTIS C. JONES
NO. 1206
PROFESSIONAL ENGINEER

DRAWN: BB APPROVED: CJ
SCALE: 1" = 40' HOR.
1" = 4' VER.
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PRJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.: **C-5.3**

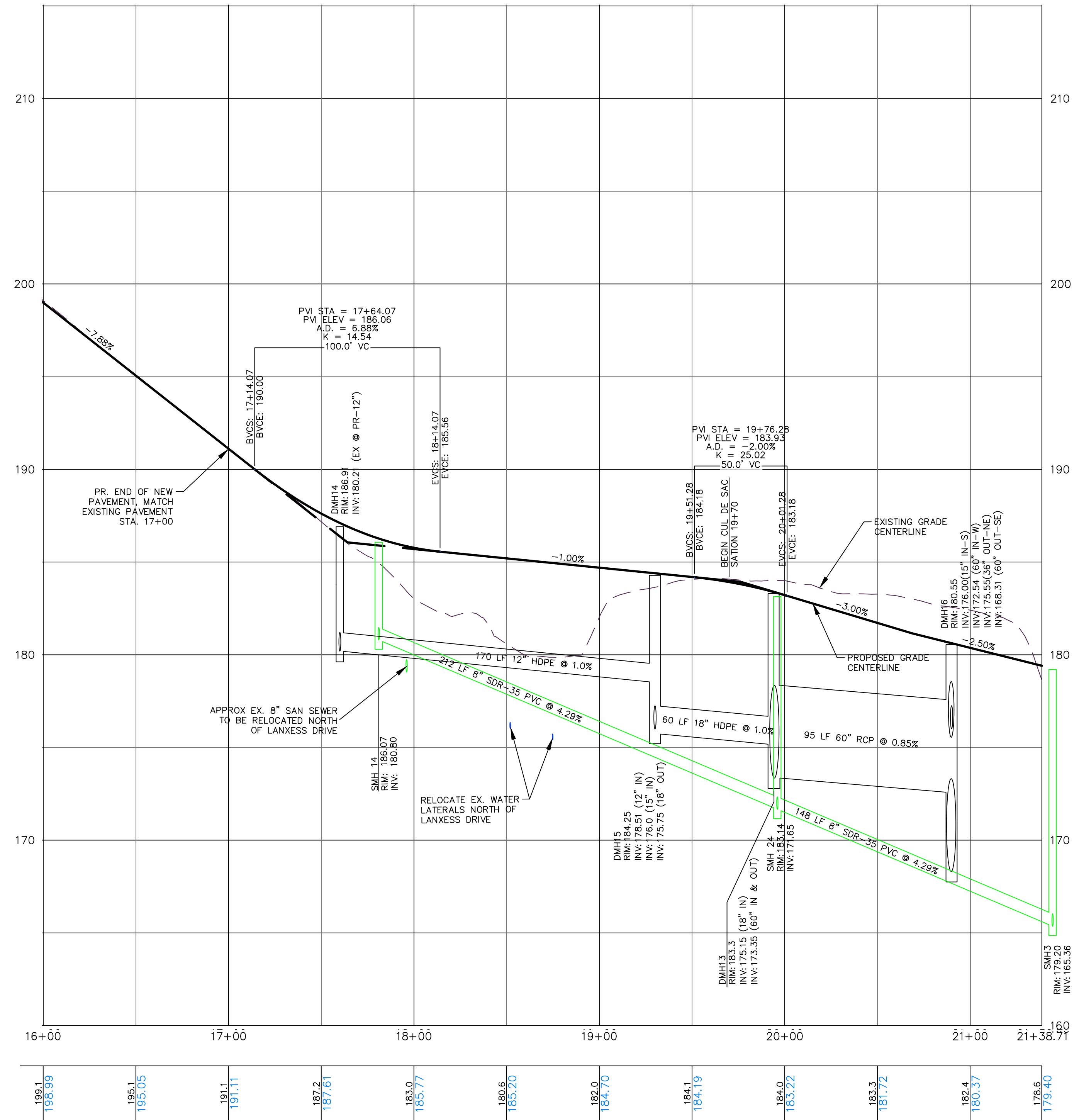
Previous Editions Obsolete

CLIENT

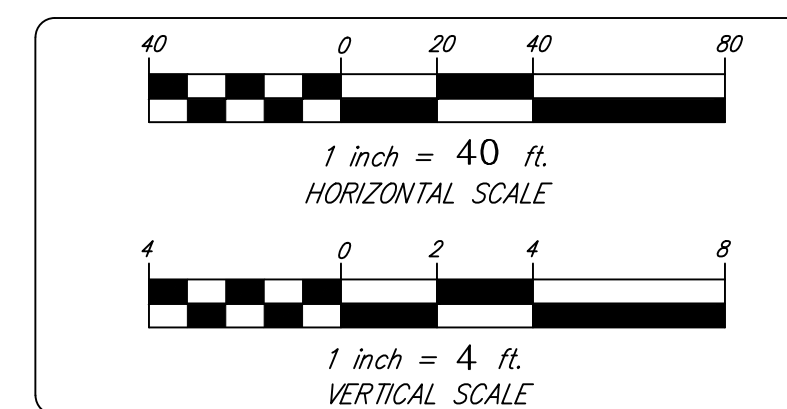
CONNECTICUT



LANXESS DRIVE
STA. 10+50 TO 16+00



LANXESS DRIVE
STA. 16+00 TO 21+38.7



ROADWAY PROFILES
LANXESS DRIVE
STA. 10+50 TO 21+38.7



CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
(203) 266-0778
CONNECTICUT

NO.	REVISION	DATE

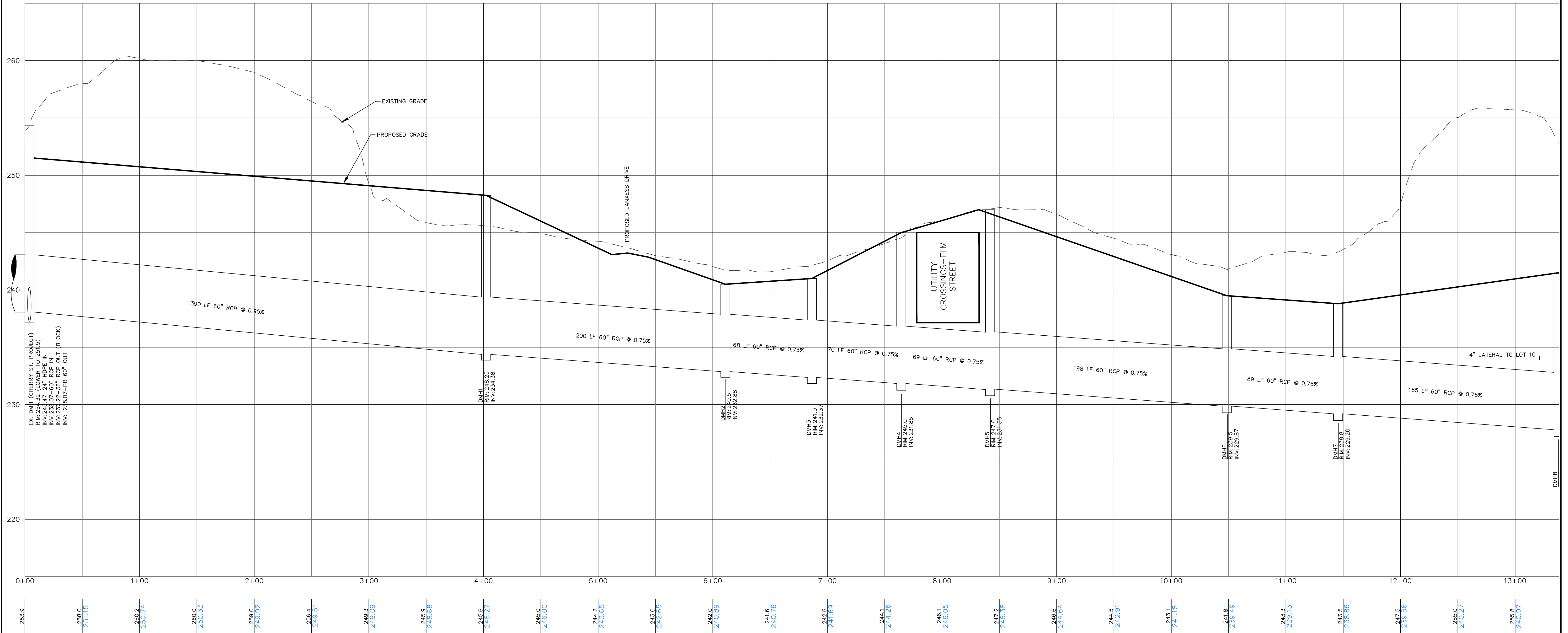
BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET



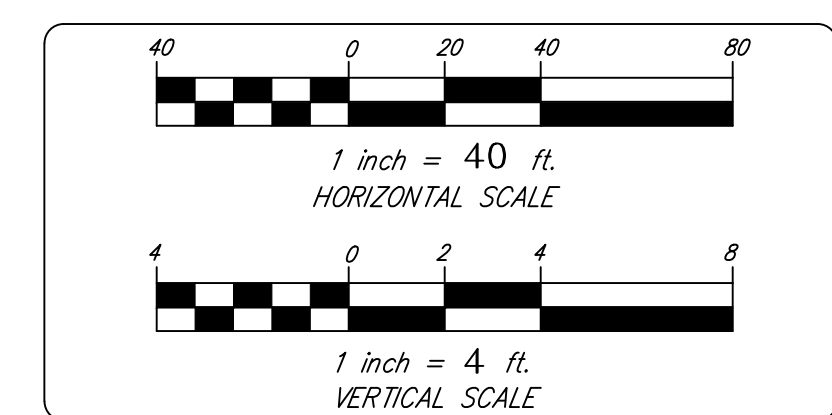
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SCALE: 1" = 40' HOR.
1" = 4' VER.
DATE: 16 OCT 24
PROJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.:

C-5.4



PROPOSED 60" RCP
CHERRY STREET DRAINAGE PROJECT TO DMH8

253.9	258.0	251.15	260.2	250.74	260.0	250.33	259.0	249.92	256.4	249.51	249.3	249.09	245.9	248.68	245.6	245.27	245.0	246.00	244.2	243.65	243.0	242.65	242.0	240.89	241.6	240.76	242.6	241.69	244.1	244.26	246.1	246.05	247.2	246.38	246.6	244.64	244.5	244.31	243.1	241.18	241.8	239.49	243.3	239.13	243.5	238.86	242.5	239.56	255.0	240.27	256.8	240.97
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STORM DRAINAGE PROFILES
 PROPOSED 60" RCP
 CHERRY STREET DRAINAGE PROJECT TO DMH8

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
 (203) 266-0778
 WOODBURY CONNECTICUT

NO.	REVISION	DATE

Previous Editions Obsolete

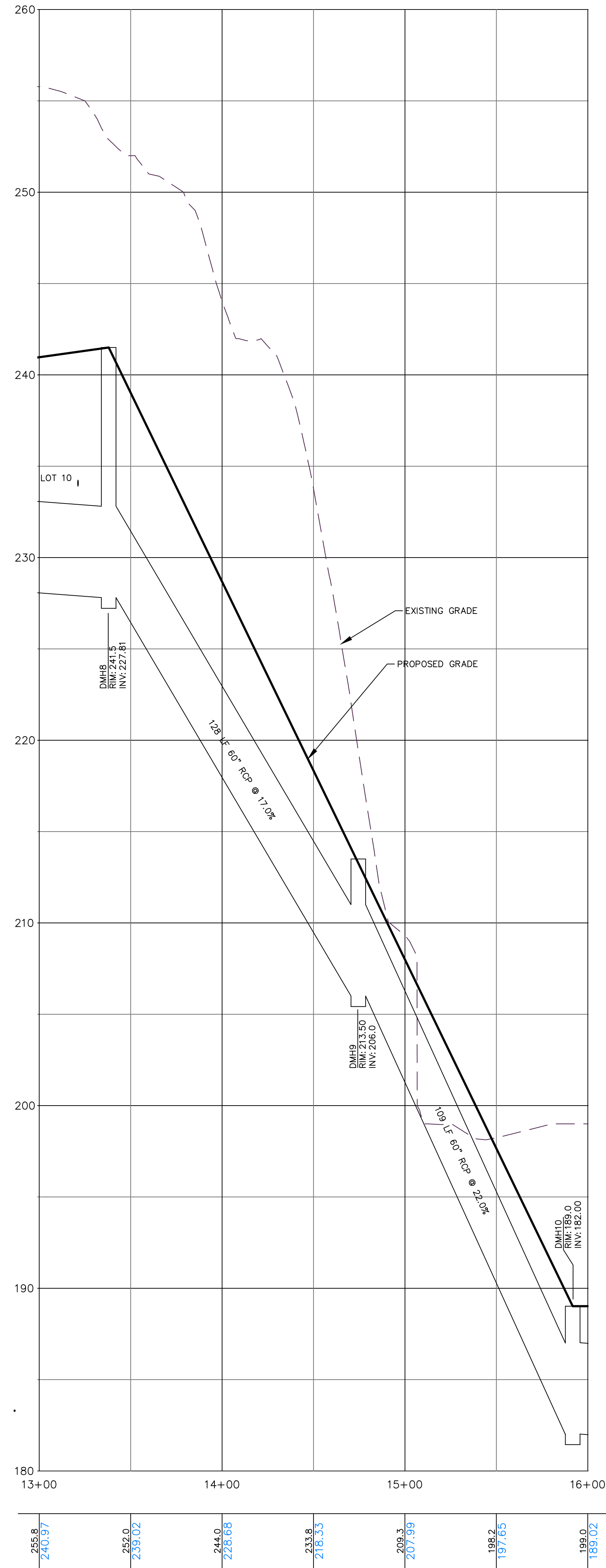
BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

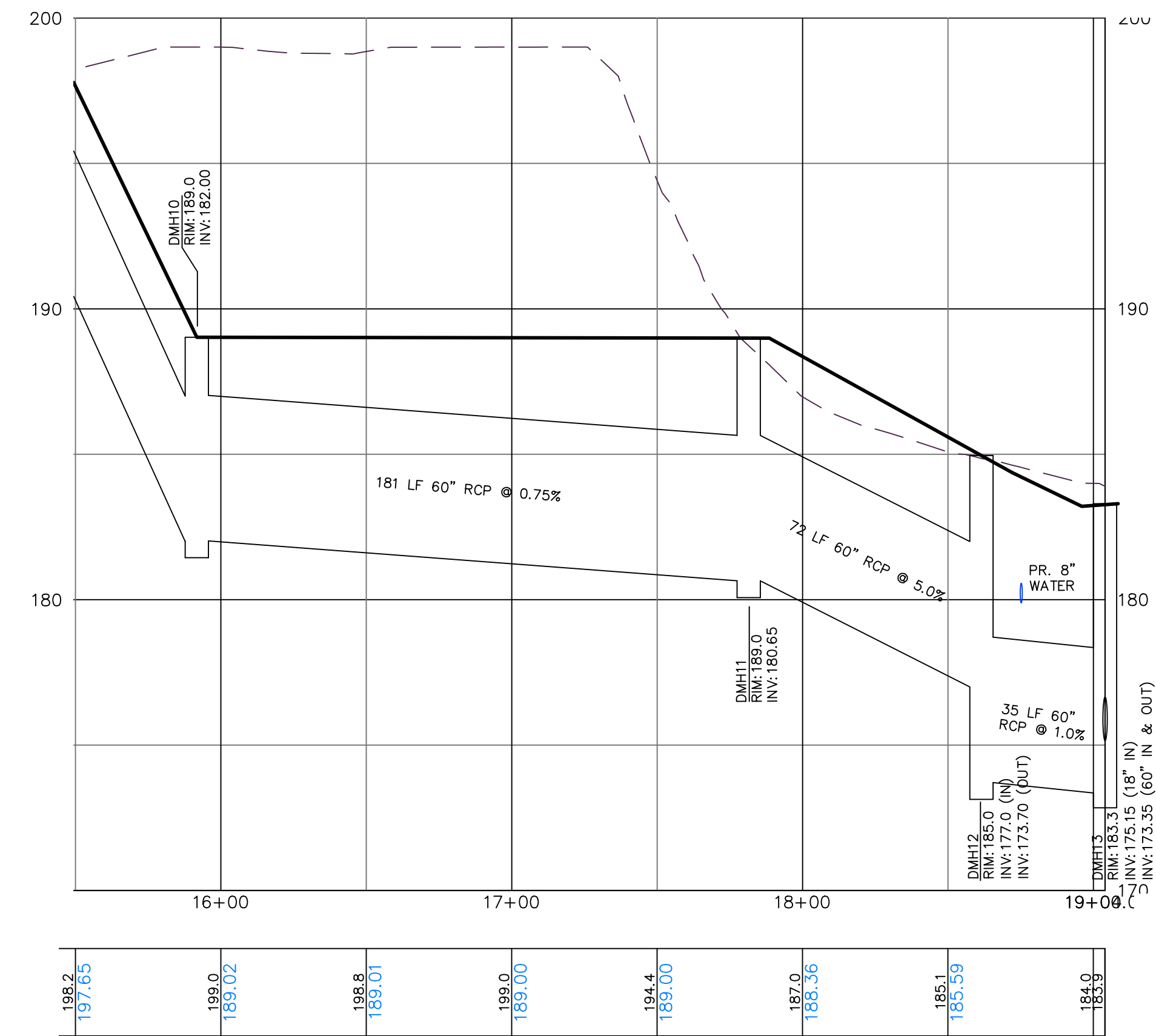
NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK CONNECTICUT

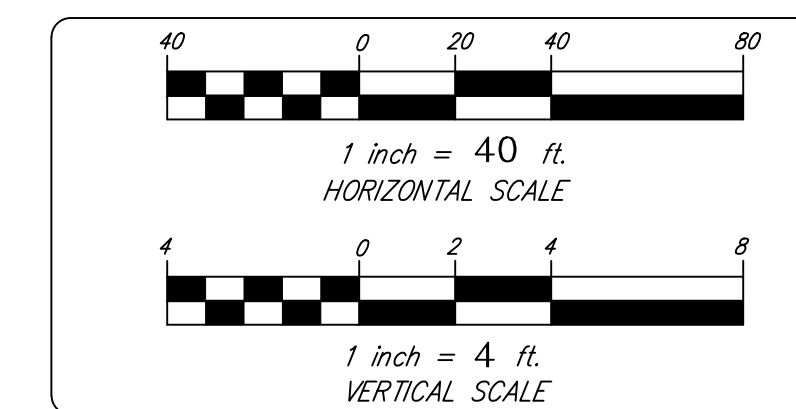
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 SCALE: 1" = 40' HOR.
 1" = 4' VER.
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CAD FILE NAME: 3535
 DRAWING NO.: **C-5.5**



DMH8 TO DMH10



DMH10 TO DMH13



STORM DRAINAGE PROFILES
PROPOSED 60" RCP



NO.	REVISION	DATE

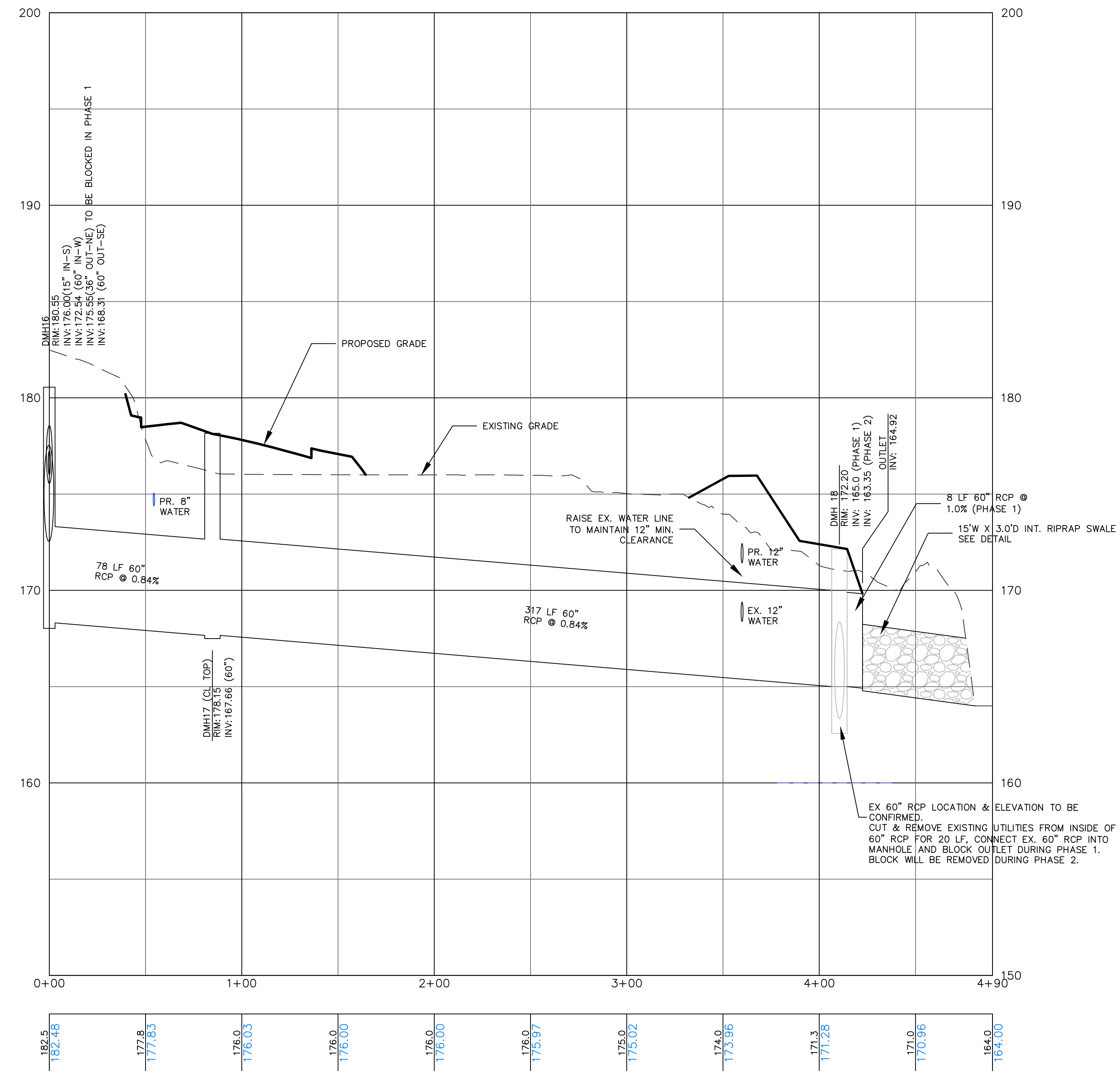
BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

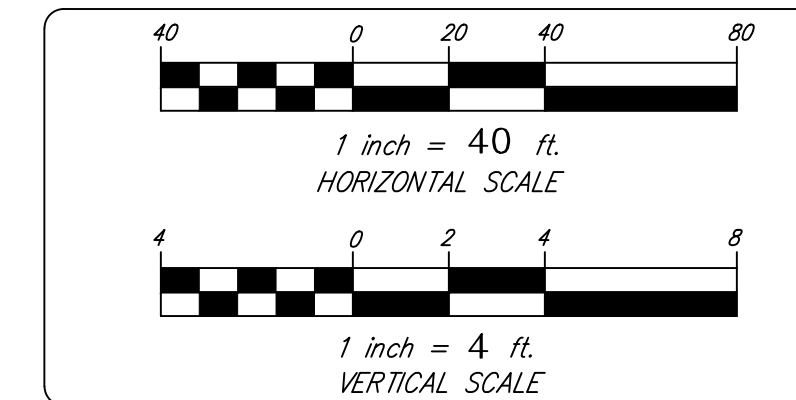
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DATE: 16 OCT 24
PROJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.: C-5.6

Previous Editions Obsolete



DMH16 TO OUTLET



STORM DRAINAGE PROFILES
PROPOSED 60" RCP

CIVIL C1

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43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

NO.	REVISION	DATE

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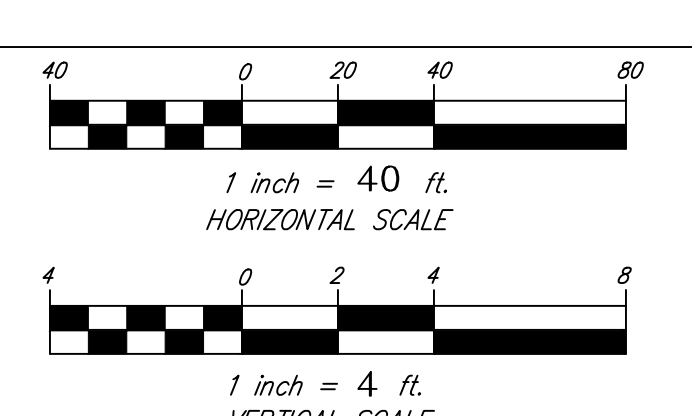
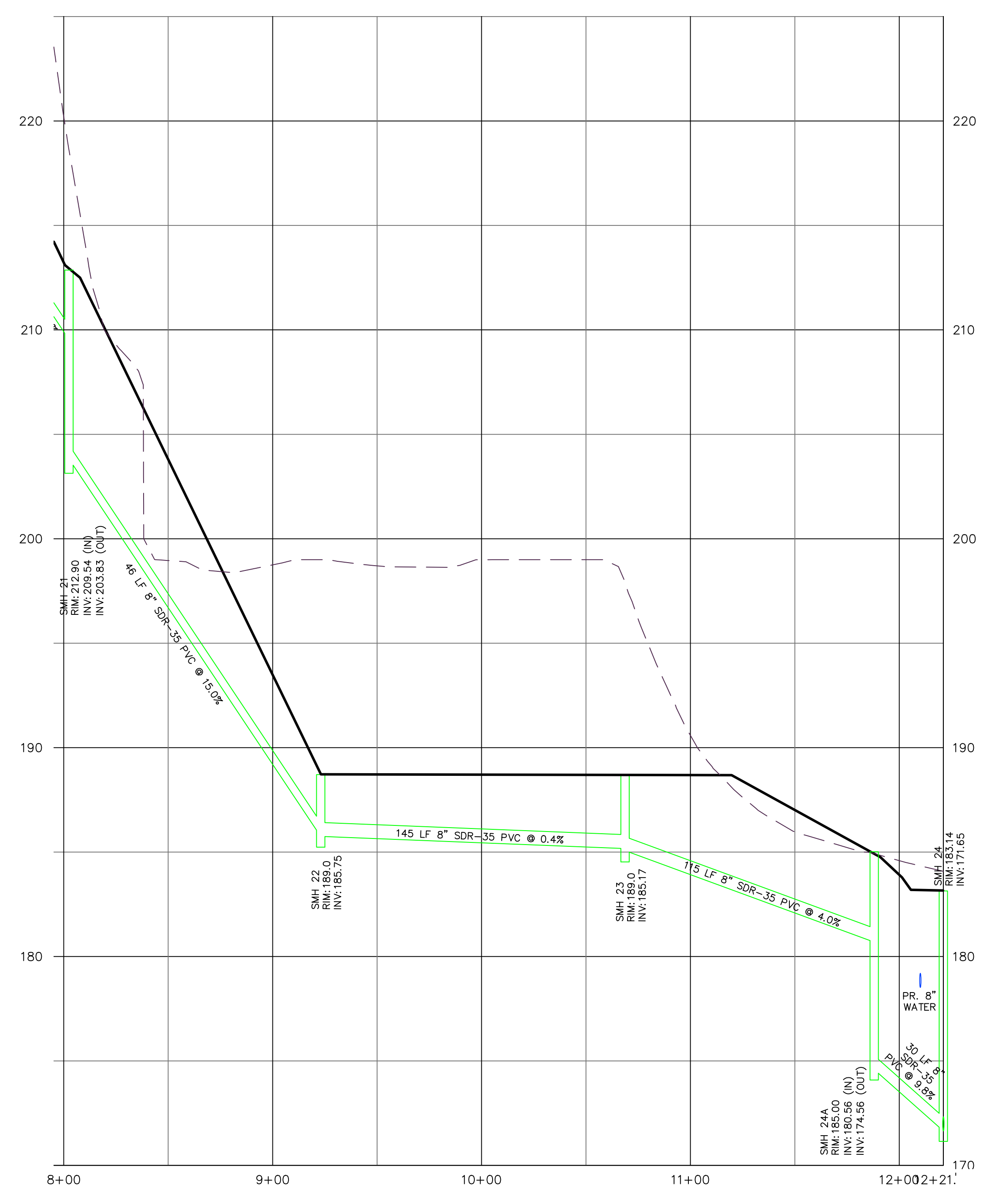
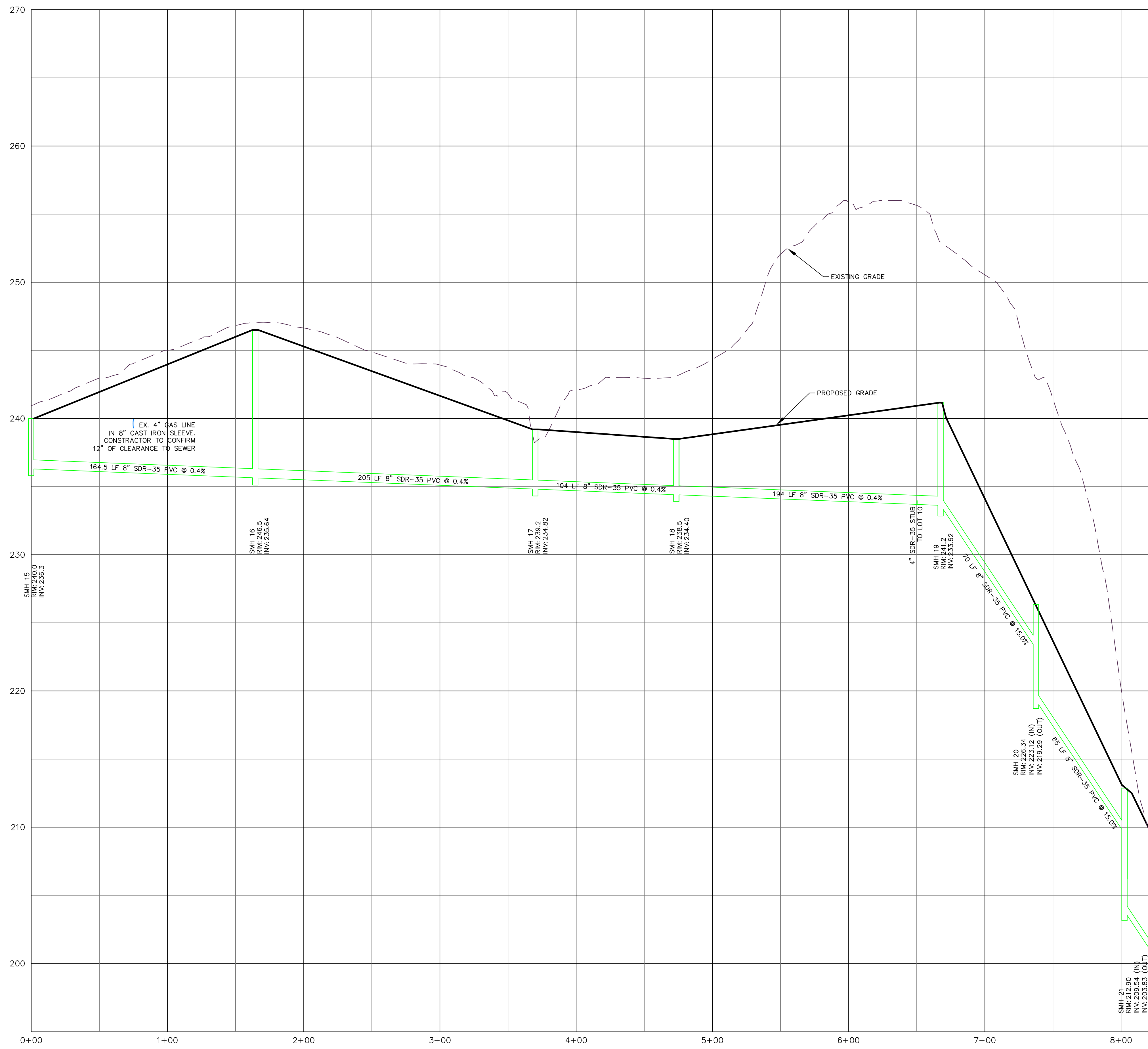
BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

CLIENT

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 40' HOR. 1" = 4' VER.
DATE: 16 OCT 24
PROJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.: **C-5.7**



SANITARY SEWER PROFILES
 ELM STREET TO ACCESS ROAD



CORNERSTONE PROFESSIONAL PARK, SUITE D-101
 43 SHERMAN HILL ROAD
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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

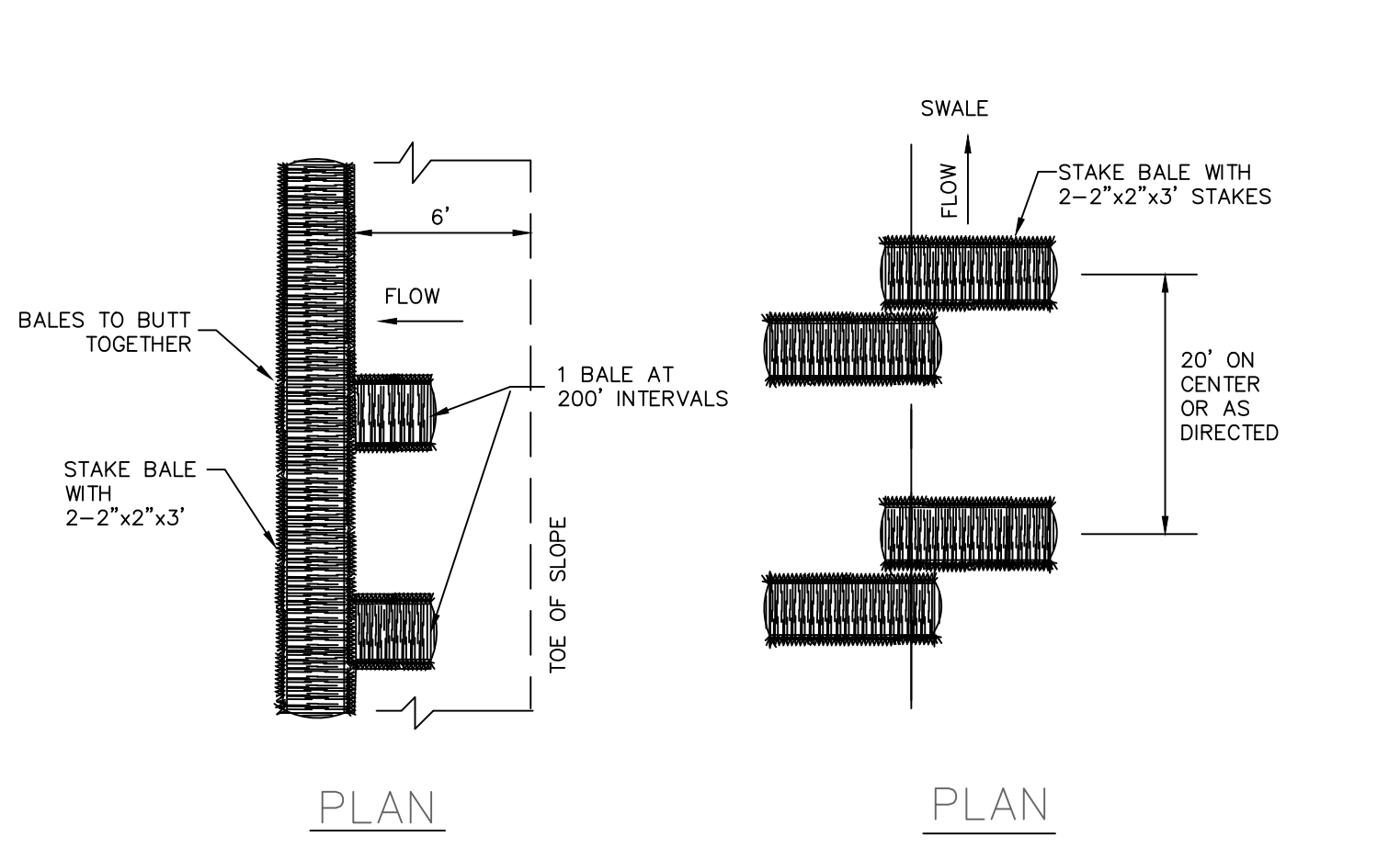
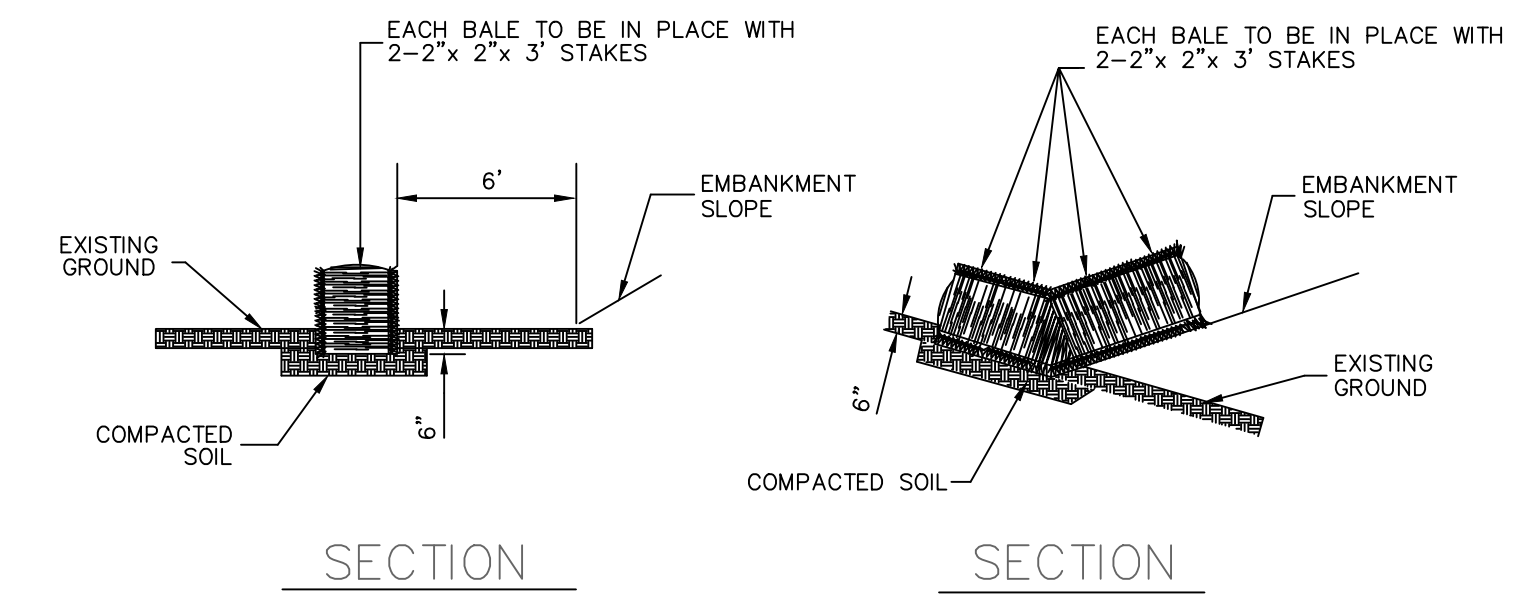
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 CAD FILE NAME: 3535

C-5.8

CLIENT

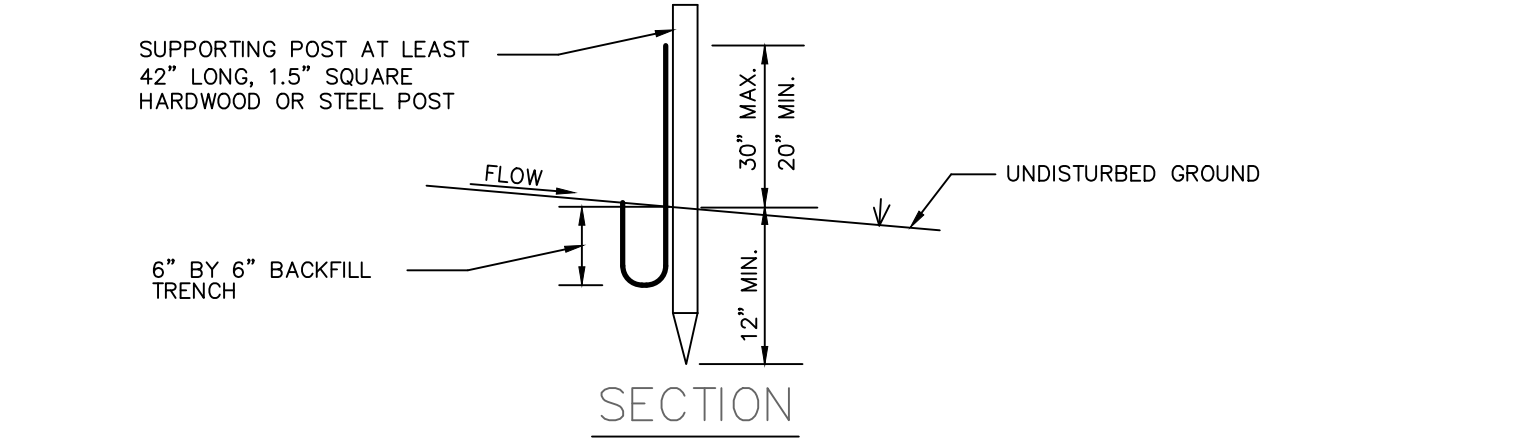
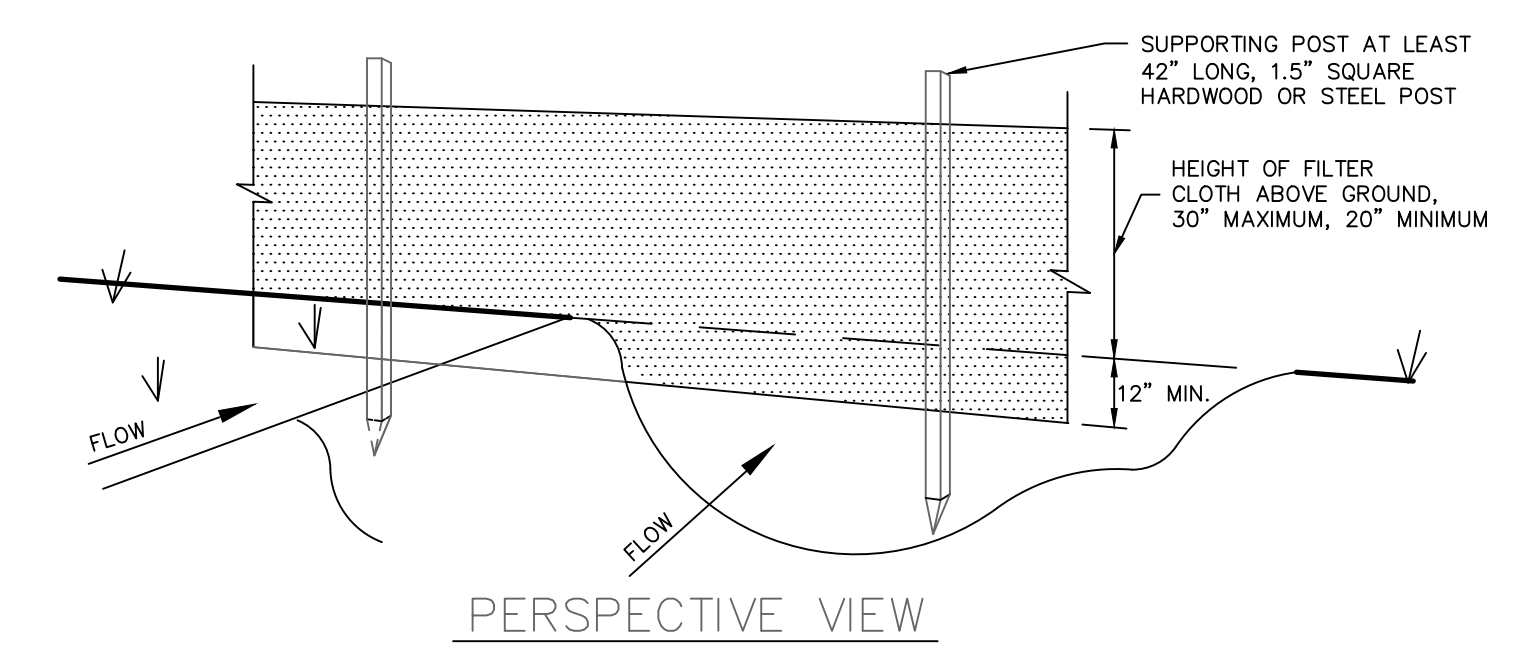
NAUGATUCK

CONNECTICUT



- TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE TOE OF FILL EMBANKMENT
- TO BE USED IN LOCATIONS WHERE THE EXISTING GROUND SLOPES IN TOWARD THE TOE OF FILL EMBANKMENT
- NOTES:**
1. ALL BALES ARE TO BE TIGHTLY BUTTED TOGETHER.
 2. BALES SHALL BE EITHER STRAW OR HAY.
 3. INSPECTION SHALL BE FREQUENT, AND REPAIR AND/OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED TO MAINTAIN EFFECTIVENESS OF INSTALLATION.
 4. BALES SHALL BE REMOVED WHEN DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE.

STAKED HAYBALE EROSION CHECKS



CONSTRUCTION NOTES FOR SILT FENCE

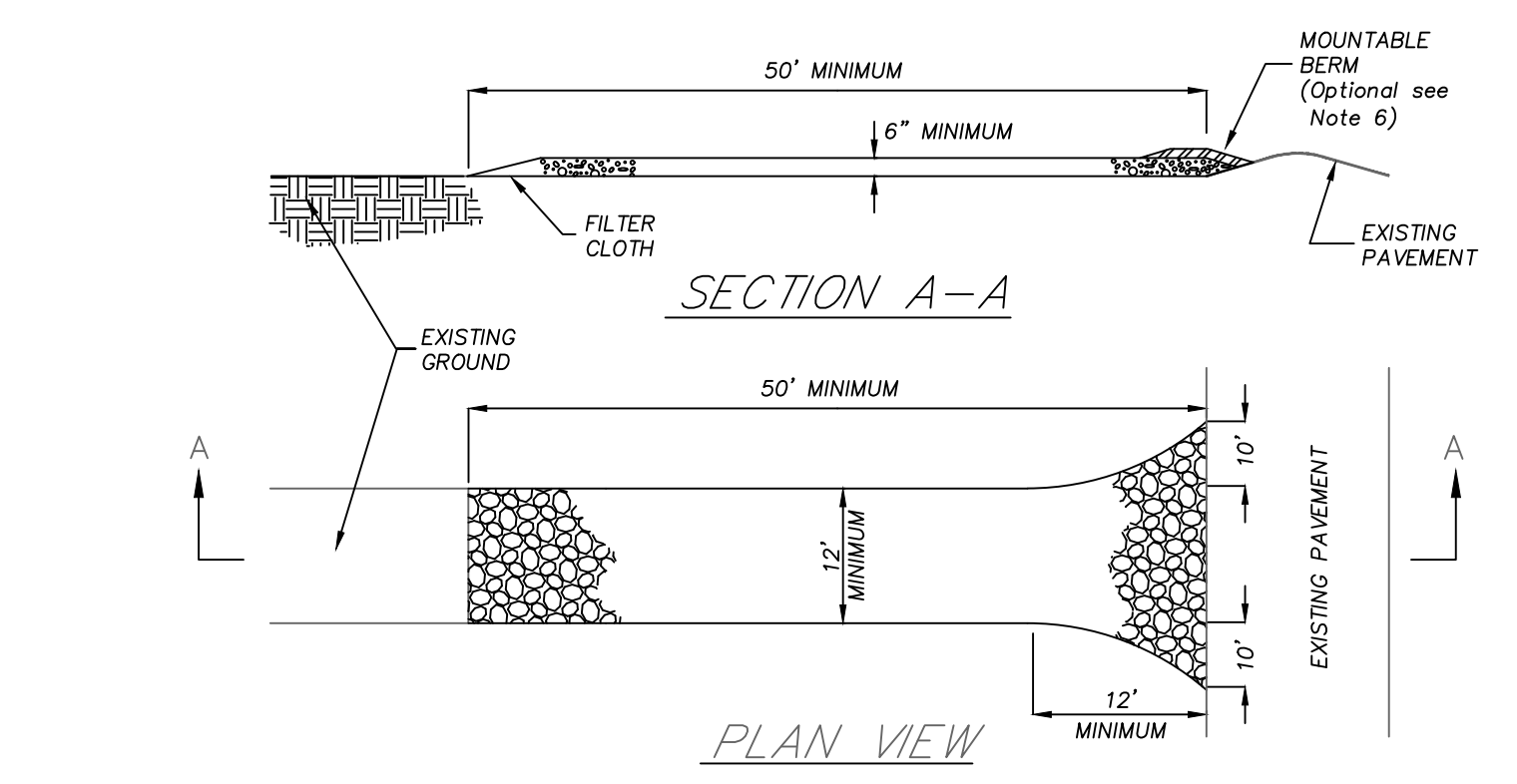
1. EXCAVATE A TRENCH A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE ON THE UP SIDE OF THE FENCE LOCATION.
 2. DRIVE SUPPORT POSTS ON THE DOWN SLOPE SIDE OF THE TRENCH TO A DEPTH OF AT LEAST 12 INCHES INTO ORIGINAL GROUND.
 3. STAPLE OR SECURE THE GEOTEXTILE TO THE SUPPORT POSTS PER MANUFACTURER'S INSTRUCTIONS SUCH THAT AT LEAST 6 INCHES OF GEOTEXTILE LIES WITHIN THE TRENCH.
 4. BACKFILL THE TRENCH WITH TAMPED SOIL OR AGGREGATE OVER THE GEOTEXTILE.
- POSTS: 1.5" SQUARE HARDWOOD OR STEEL
- FILTER CLOTH: MIRAFI 100X, ENVIROFENCE OR APPROVED EQUAL

SILT FENCE DETAIL

N.T.S.

NO.	REVISION	DATE

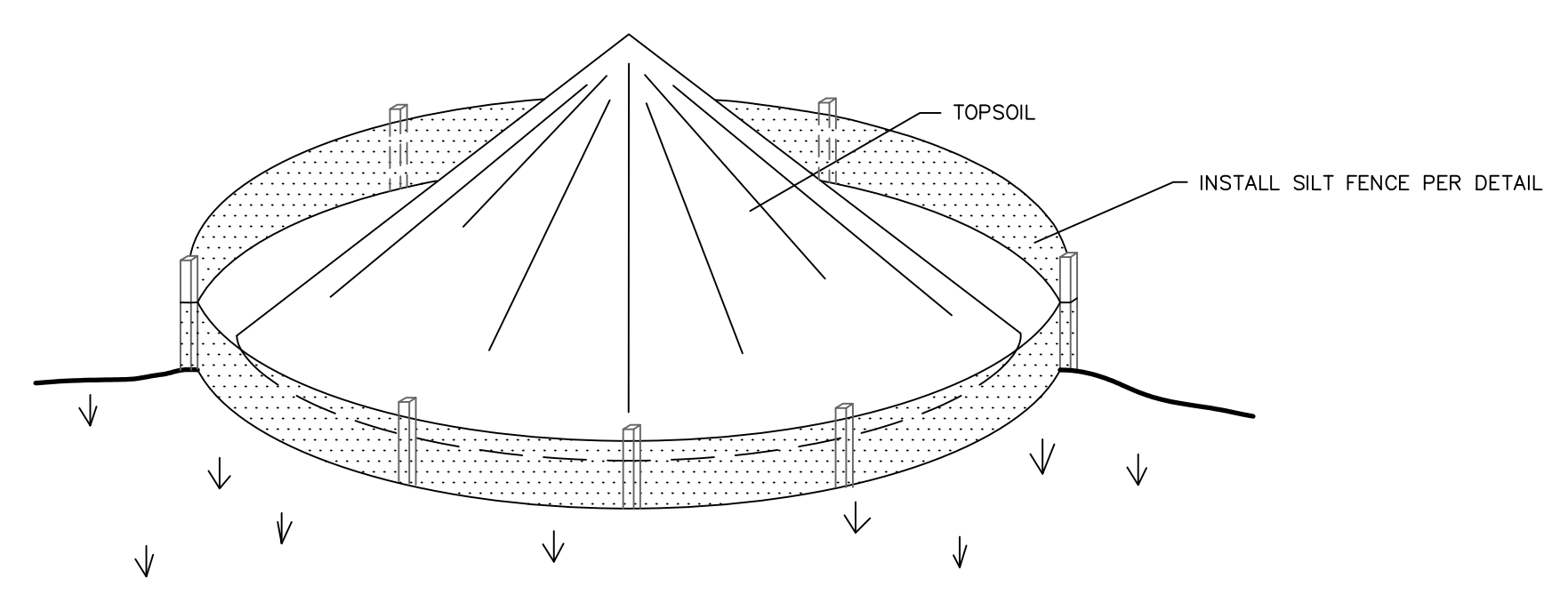
Previous Editions Obsolete



- NOTES:**
1. STONE SIZE - USE 1" - 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
 4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
 5. FILTER CLOTH - TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAROUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

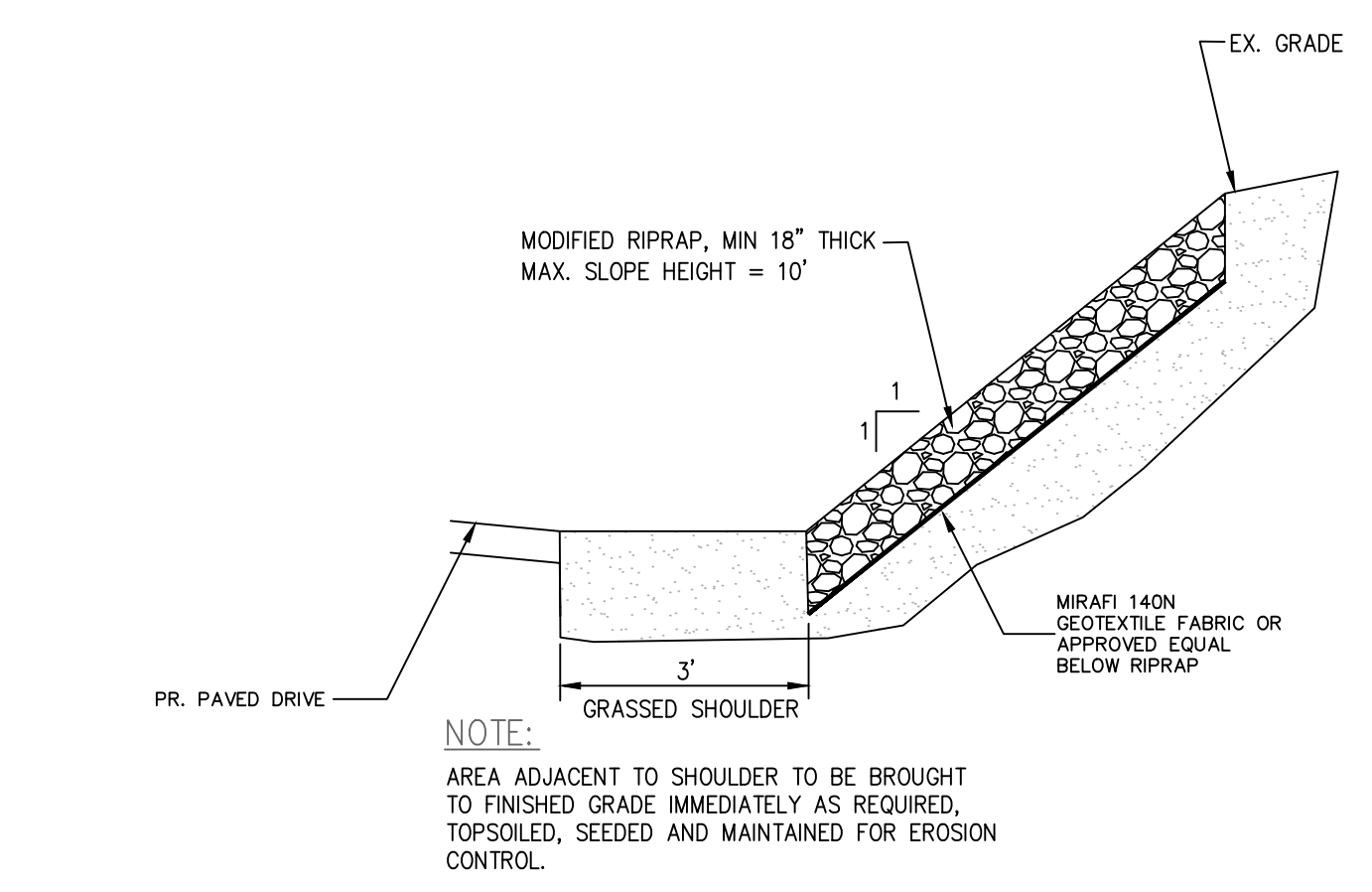
STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



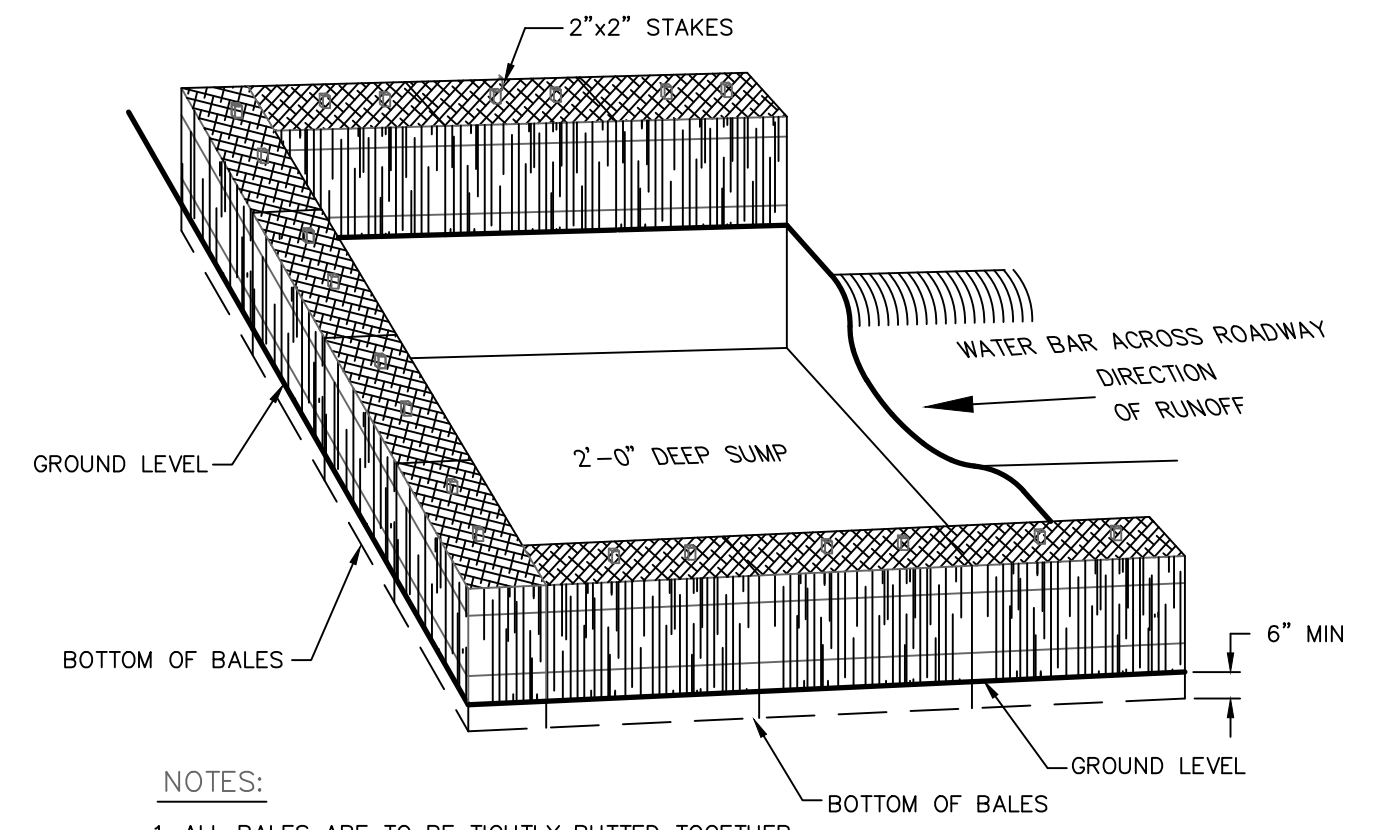
- STOCKPILE MANAGEMENT PER 2002 CT GUIDELINES FOR E & S CONTROL:
1. LOCATE STOCKPILE SO THAT NATURAL DRAINAGE IS NOT OBSTRUCTED.
 2. DIVERT RUNOFF WATER AWAY FROM OR AROUND THE STOCKPILE.
 3. INSTALL A GEOTEXTILE SILT FENCE AROUND THE STOCKPILE AREA APPROXIMATELY 10 FEET FROM PROPOSED TOE OF THE SLOPE. ALSO INSTALL A STAKED HAY BALE BARRIER ON THE DOWNGRADIENT SIDE OF THE STOCKPILE AREA.
 4. THE SIDE SLOPES OF STOCKPILED MATERIAL SHOULD BE NO STEEPER THAN 2:1.
 5. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS NEED TO BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE.
 6. MAINTAIN AN ADEQUATE SUPPLY OF POLYMER LINE SHALL BE KEPT ON SITE FOR COVERING OF STOCKPILES FOR DUST OR WATER EROSION CONTROL AS NEEDED.
 7. AFTER STOCKPILE HAS BEEN REMOVED, THE SITE SHOULD BE GRADED AND PERMANENTLY STABILIZED.

TEMPORARY TOPSOIL STOCKPILE



TEMPORARY RIPRAP SHOULDER

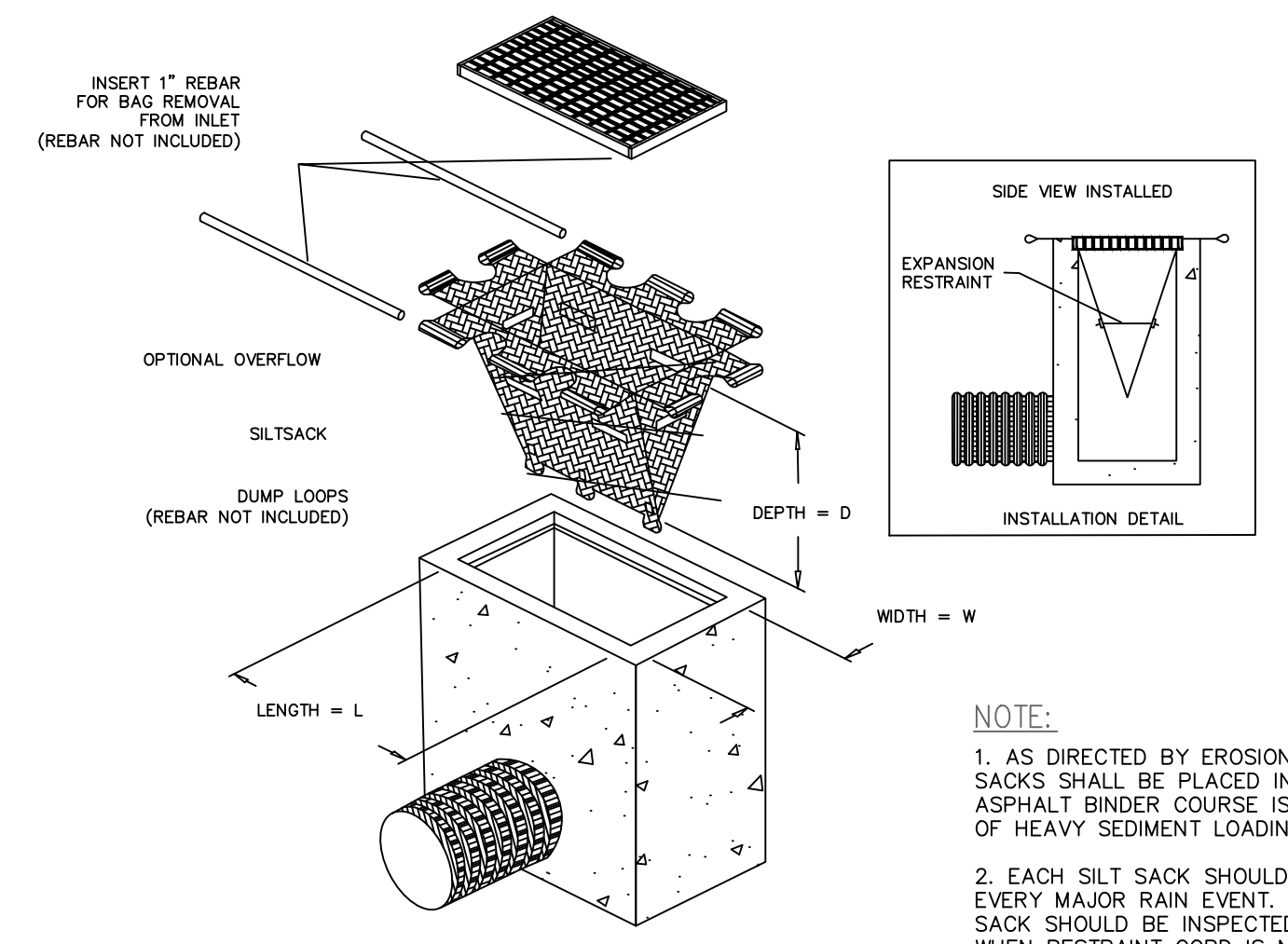
N.T.S.



- NOTES:**
1. ALL BALES ARE TO BE TIGHTLY BUTTED TOGETHER.
 2. BALES SHALL BE EITHER STRAW OR HAY.
 3. PROVIDE FREQUENT INSPECTION AND MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AND REPLACE CLOGGED BALES TO RESTORE EFFECTIVENESS OF INSTALLATION.

TEMPORARY DIVERSION DITCH WITH HAY BALE TRAP

N.T.S.



SILT SACK DETAIL

N.T.S.

- NOTE:**
1. AS DIRECTED BY EROSION CONTROL INSPECTOR, SILT SACKS SHALL BE PLACED IN CATCH BASINS ONCE ASPHALT BINDER COURSE IS INSTALLED ONLY IN AREAS OF HEAVY SEDIMENT LOADING.
 2. EACH SILT SACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT. IF NO MAJOR EVENTS, SILT SACK SHOULD BE INSPECTED EVERY 2-3 WEEKS. WHEN RESTRAINT CORD IS NO LONGER VISIBLE, SILT SACK IS FULL AND SHOULD BE EMPTIED.

<p>BOROUGH OF NAUGATUCK 229 CHURCH STREET NAUGATUCK, CT 06770</p> <p>CLIENT</p>	<p>DETAILS</p>	<p>NAUGATUCK INDUSTRIAL PARK III PHASE 1 INFRASTRUCTURE IMPROVEMENT PLANS BID SET</p> <p>NAUGATUCK CONNECTICUT</p>	<p>CIVIL C1</p> <p>CORNERSTONE PROFESSIONAL PARK, SUITE D-101 43 SHERMAN HILL ROAD (203) 266-0778 CONNECTICUT</p>		<p>DRAWN: BB APPROVED: CJ</p> <p>SCALE: N.T.S.</p> <p>DATE: 16 OCT 24</p> <p>PROJ. NO.: 3535</p> <p>CADD FILE NAME: 3535</p> <p>DRAWING NO.: C - 6.1</p>
					<p>Previous Editions Obsolete</p>



KAX LED Size 2 LED Area Luminaire

Specifications	1.1 ft (0.34m)
EPA:	34 (0.0104)
Length:	13" (0.33m)
Width:	8" (0.20m)
Height:	41 lbs (18.6 kg)

Category	
Series	
Type	

See the full key or menu on the page to see all interactive elements.

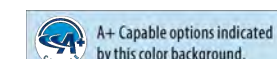
Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL[®] controls marked by a shaded background.
- DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability
- This luminaire is part of an A+ Certified solution for ROAM[®] or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background.

To learn more about A+, visit www.acuitybrands.com/aplus.

- See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. Link to Roam; Link to DTL DLL



Ordering Information

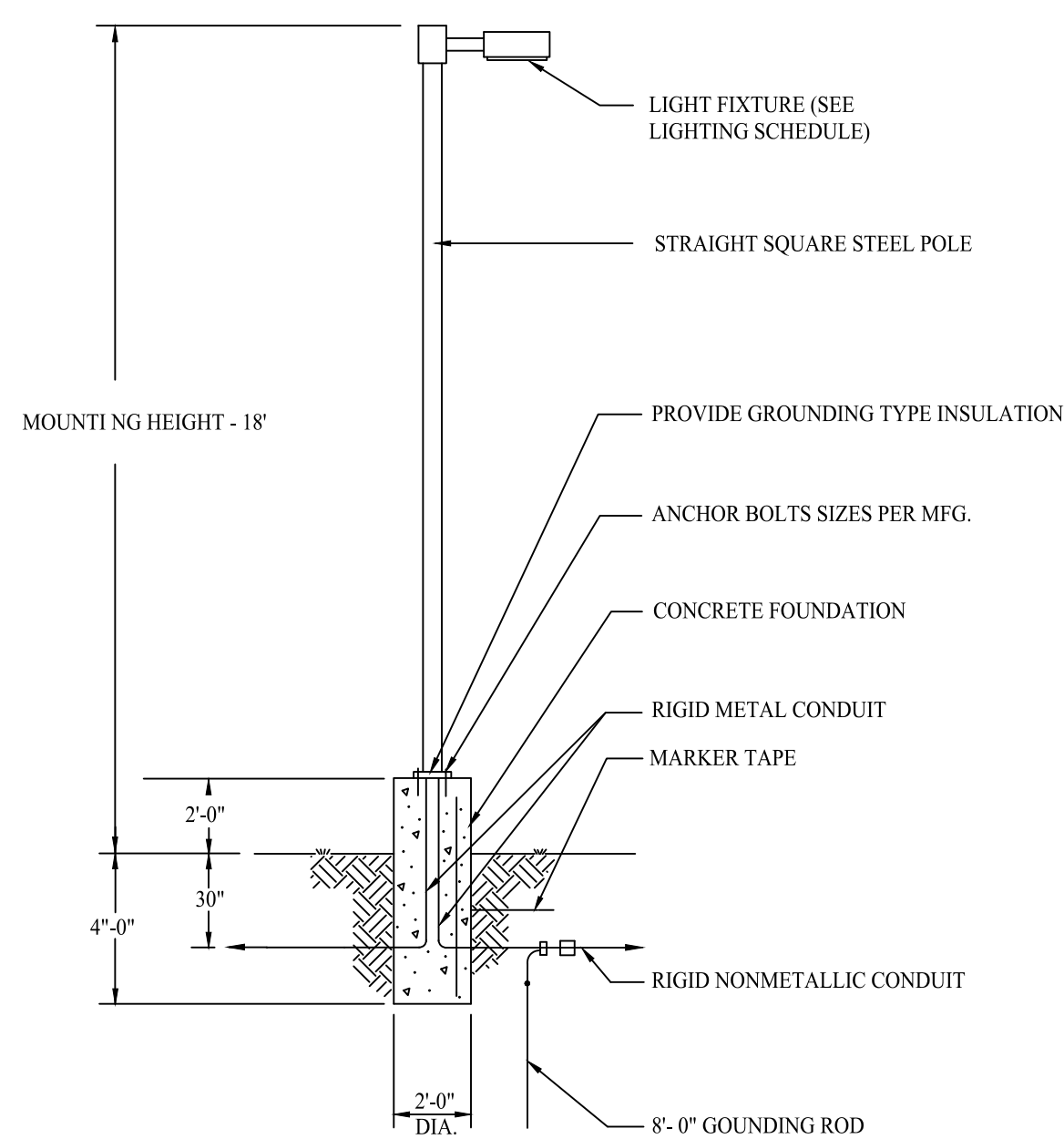
EXAMPLE: KAX2 LED P2 40K R3 MVOLT SPA DDBXD

Series	Performance package	Color temperature	Distribution	Voltage	Mounting
KAX2 LED	P1	30K 3000K	R3 Type 3	MVOLT ¹	Shipped included
	P2	40K 4000K	R4 Type 4	120 ²	SPA Square pole mounting
	P3	50K 5000K	R5 Type 5 ³	208 ²	RPA Round pole mounting (Includes round and square mounting)

Control option:	Other options:	Finish options:
Shipped installed PER REAA two-back receptacle only (Controls order separately) ^{1,2} PER3 Five-wire receptacle only (Controls order separately) ^{1,2} PER2 Seven-wire receptacle only (Controls order separately) ^{1,2} PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 16' ^{1,3} PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 16' ^{1,3} PIRHFCV Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 16' ^{1,3} PIRHFCVH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 16' ^{1,3} FAD Field adjustable output ¹	Shipped installed HS House-side shield ¹ SF Single fuse (120, 277, 347V) ¹ DF Double fuse (208, 240, 480V) ¹ THU 0.1um Shipped separately RS Bird spikes ¹ EGS External glare shield ¹	DDBDZ Dark bronze DDBLD Black DDBND Natural aluminum DDBWD White DDBDZD Textured dark bronze DDBDZD Textured black DDBNDZD Textured natural aluminum DDBWDZD Textured white

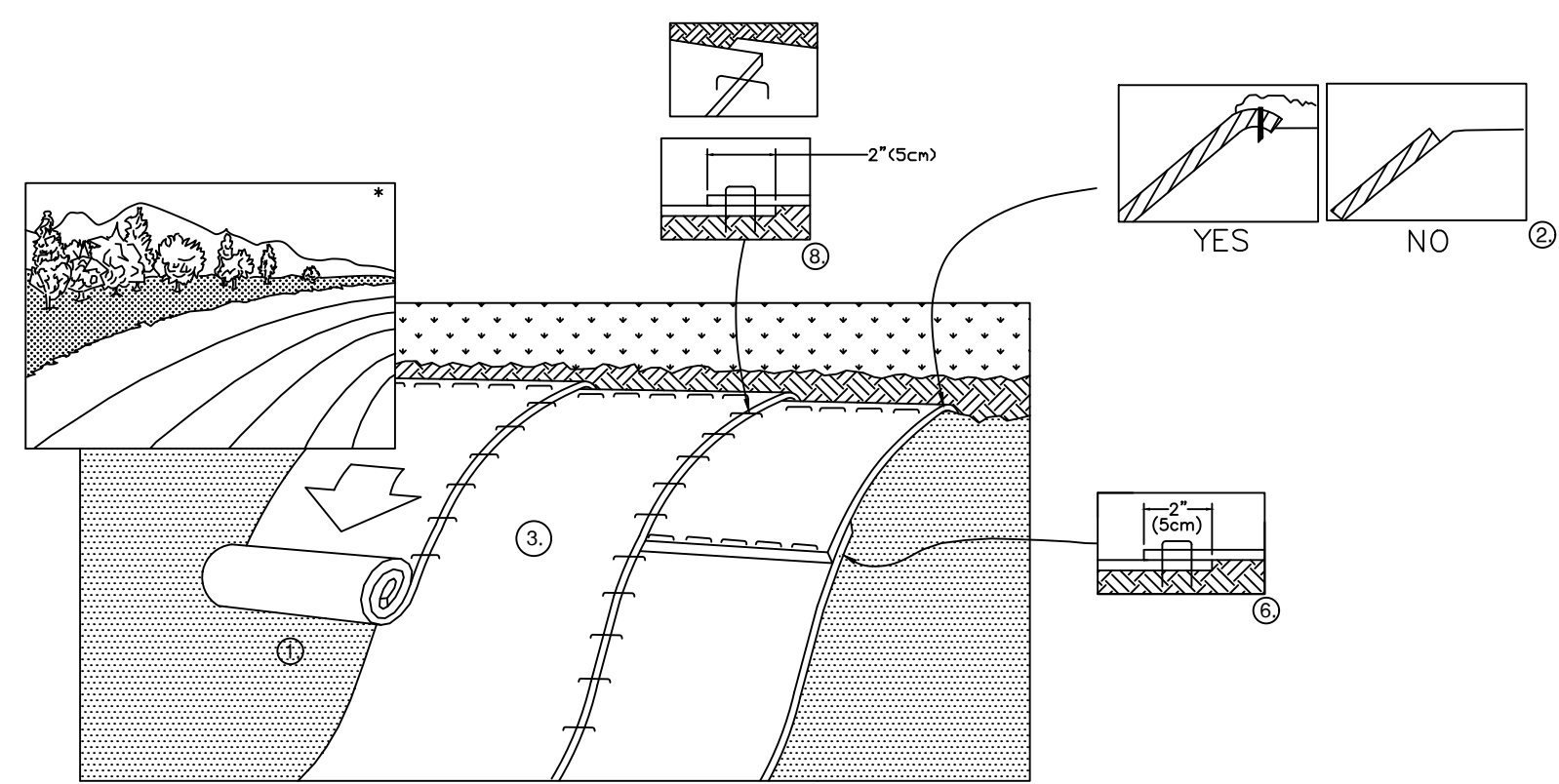
One Lithonia Way • Cary, Georgia 30012 • Phone: 800-705-SERV (7378) • www.lithonia.com
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LIGHT POLE FIXTURE



LIGHT POLE & BASE

N.T.S.



INSTALLATION PROCEDURE

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- START UNROLLING THE FUTERRA F4 NETLESS 1'-2' ABOVE THE SLOPE CREST.
- ANCHOR TOP OF BLANKET ON 1' CENTERS
- APPLY PINS OR STAPLES ALONG BLANKET LENGTH, ONE EVERY 2.5 LINEAR FEET. PLACE PIN OR STAPLE EVERY 5' DOWN CENTER OF BLANKET, CREATING AN X PATTERN WITH THE ANCHORING SYSTEM.
- OVERLAP SHINGLE STYLE A MAX. OF 2". ANCHOR ON 1' CENTER ACROSS THE ROLL WIDTH.
- UNROLL THE NEXT BLANKET DOWN THE SLOPE.
- OVERLAP ROLLS A MAX. OF 2". USE ONE PIN OR STAPLE EVERY 5'.

FUTERRA F4 NETLESS EROSION CONTROL BLANKETS

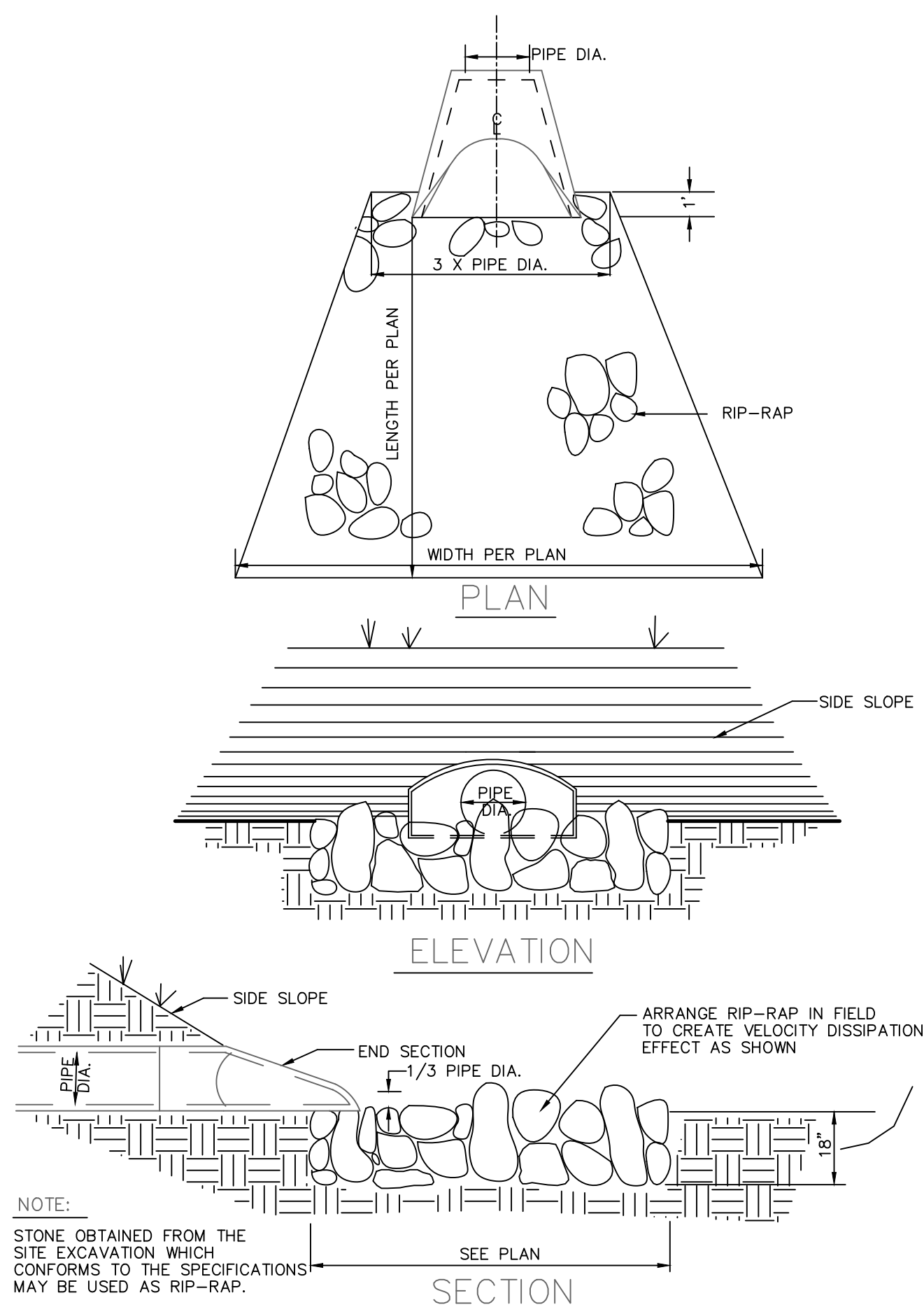
MATERIAL: THERMALLY REFINED WOOD AND DEGRADABLE MAN-MADE FIBERS

- CRITICAL POINTS
- OVERLAPS AND SEAMS
 - PROJECTED WATER LINE
 - CHANNEL BOTTOM/SIDE SLOPE VERTICES

- NOTE
- HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
 - IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS IN EXCESS OF 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.
 - SLOPE CREST TRENCHING MAY BE SPECIFIED ON SOME PROJECTS. TOP EDGE WIDTH OF THE FUTERRA F4 NETLESS SHOULD THEN BE STAPLED OR STAKED IN THE TRENCH BOTTOM. BACKFILL AND COMPACT SOIL IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 - FUTERRA F4 NETLESS CAN BE APPLIED HORIZONTALLY ON SHALLOW SLOPES.*

FUTERRA F4 NETLESS EROSION CONTROL BLANKET

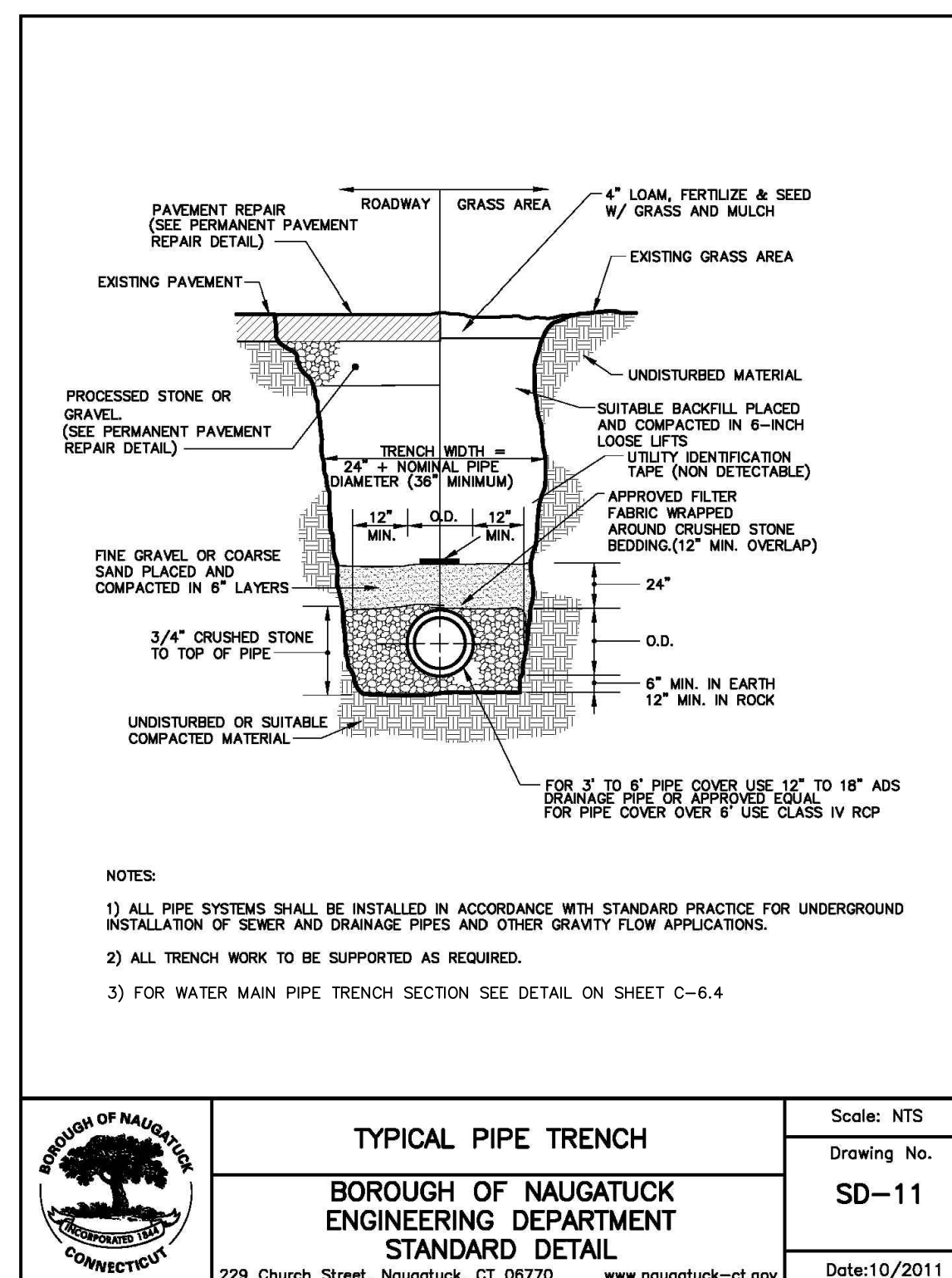
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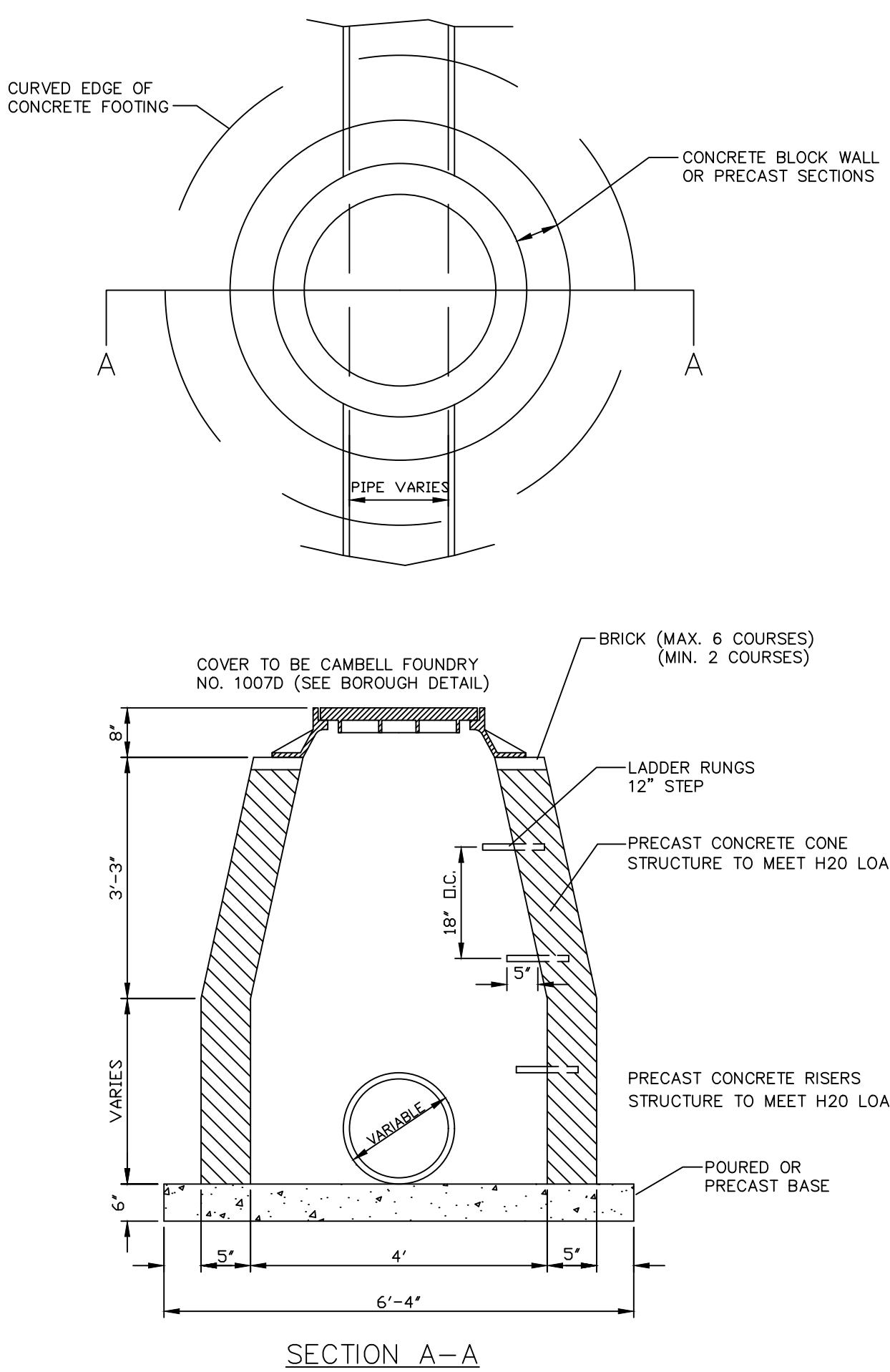
NOTE: STONE OBTAINED FROM THE SITE EXCAVATION WHICH CONFORMS TO THE SPECIFICATIONS MAY BE USED AS RIP-RAP.

RIP-RAP APRON/ENERGY DISSIPATOR

N.T.S.



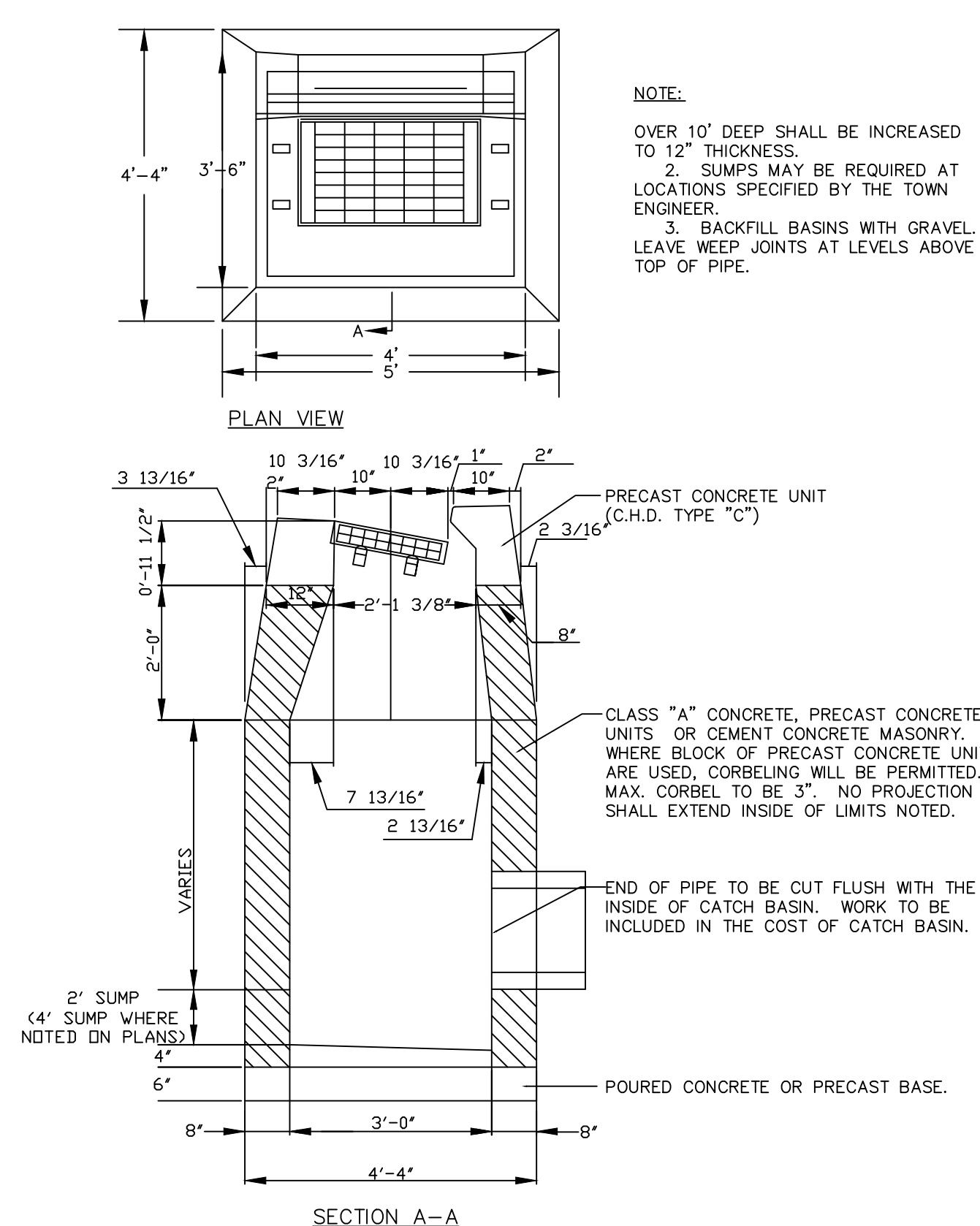
TYPICAL PIPE TRENCH
BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL
 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov
 Scale: NTS
 Drawing No. SD-11
 Date: 10/2011



DRAINAGE MANHOLE

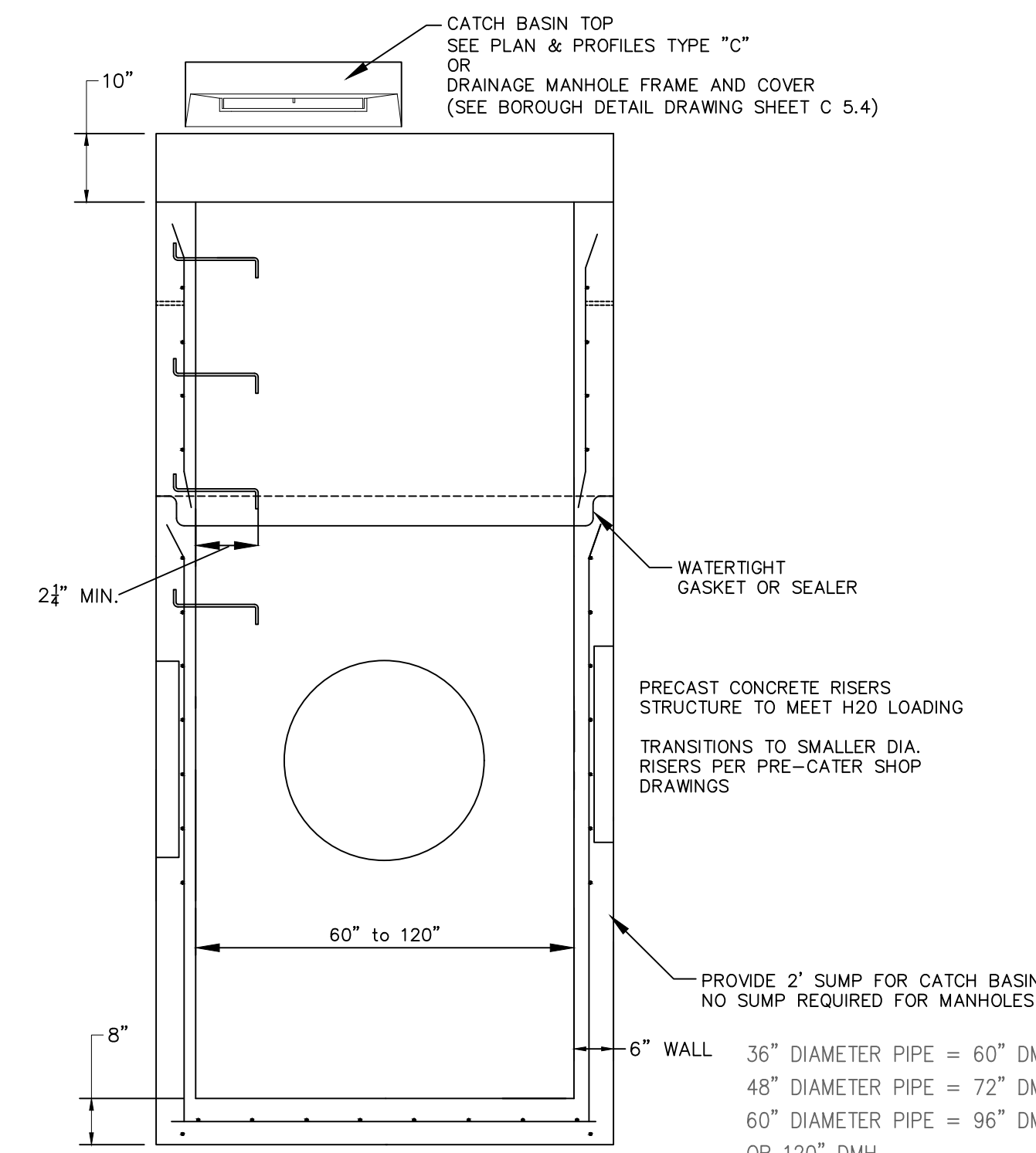
FOR PIPES UP TO 24" DIAMETER

CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL DRAINAGE STRUCTURES FOR REVIEW BY DESIGN ENGINEER PRIOR TO INSTALLATION



STANDARD TYPE "C" CATCH BASIN

N.T.S.



60" TO 120" ROUND STRUCTURE WITH SLAB TOP

N.T.S.

CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL DRAINAGE STRUCTURES FOR REVIEW BY DESIGN ENGINEER PRIOR TO INSTALLATION

NO.	REVISION	DATE

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BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

CLIENT

DETAILS

NAUGATUCK INDUSTRIAL PARK III
 PHASE 1
 INFRASTRUCTURE IMPROVEMENT PLANS
 BID SET

NAUGATUCK

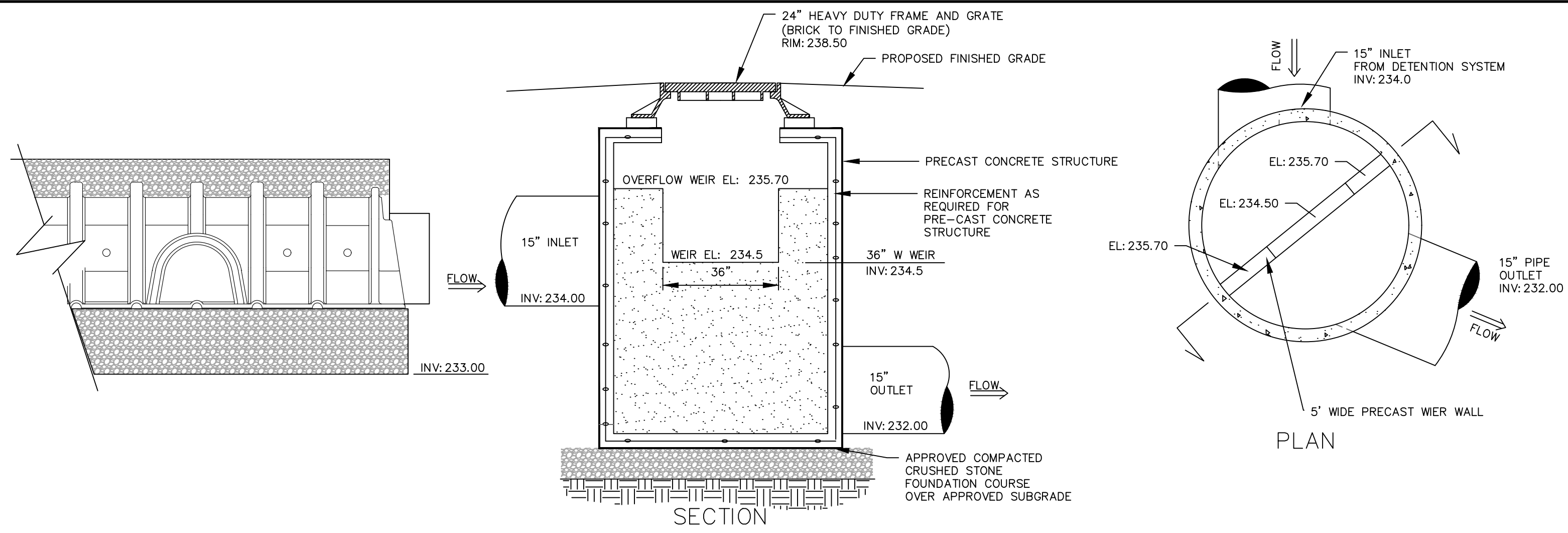
CONNECTICUT



CORNERSTONE PROFESSIONAL PARK, SUITE D-101
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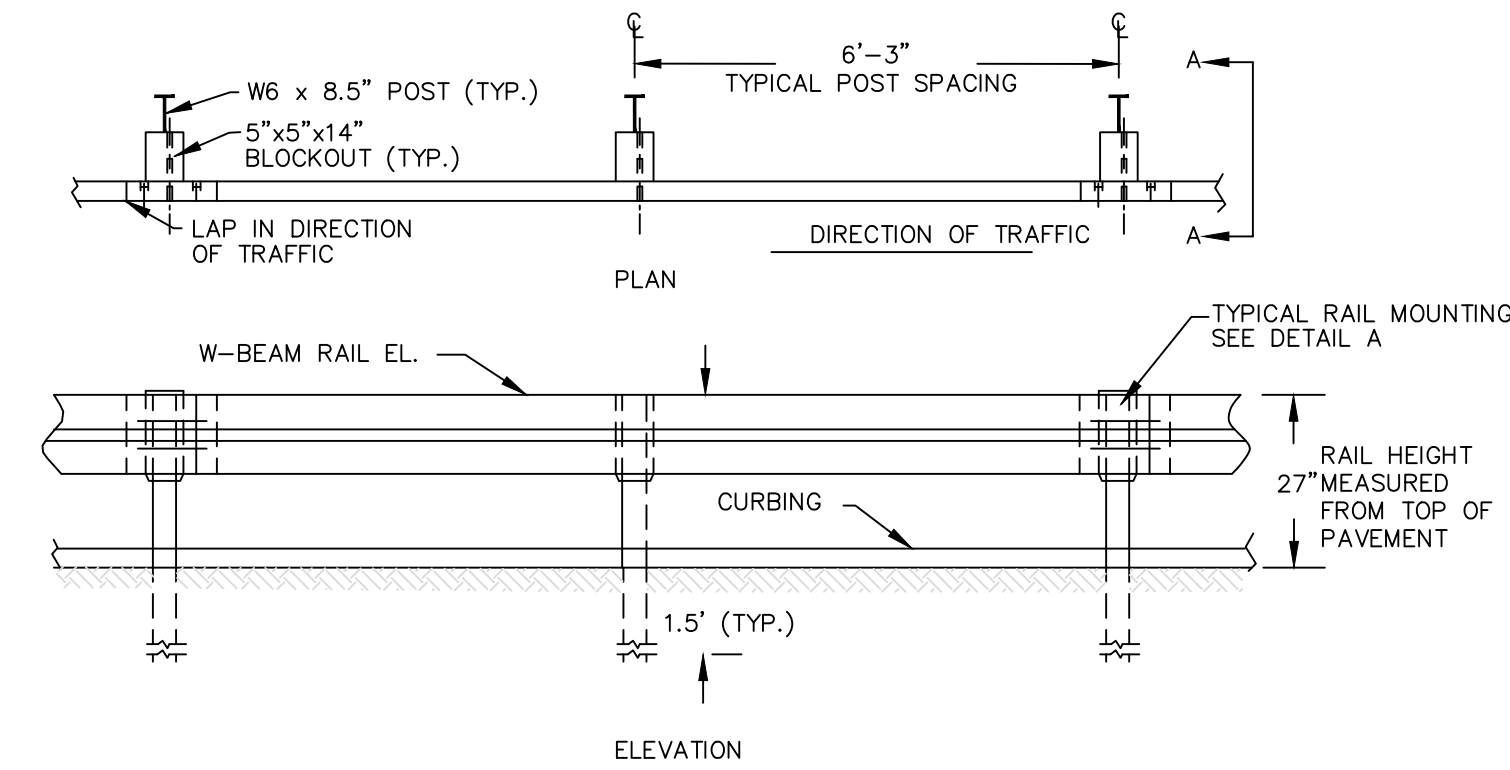


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SCALE: N.T.S.	
DATE: 07 OCT 24	
PROJ. NO.: 3535	
CADD FILE NAME: 3535	
DRAWING NO.: C-6.2	



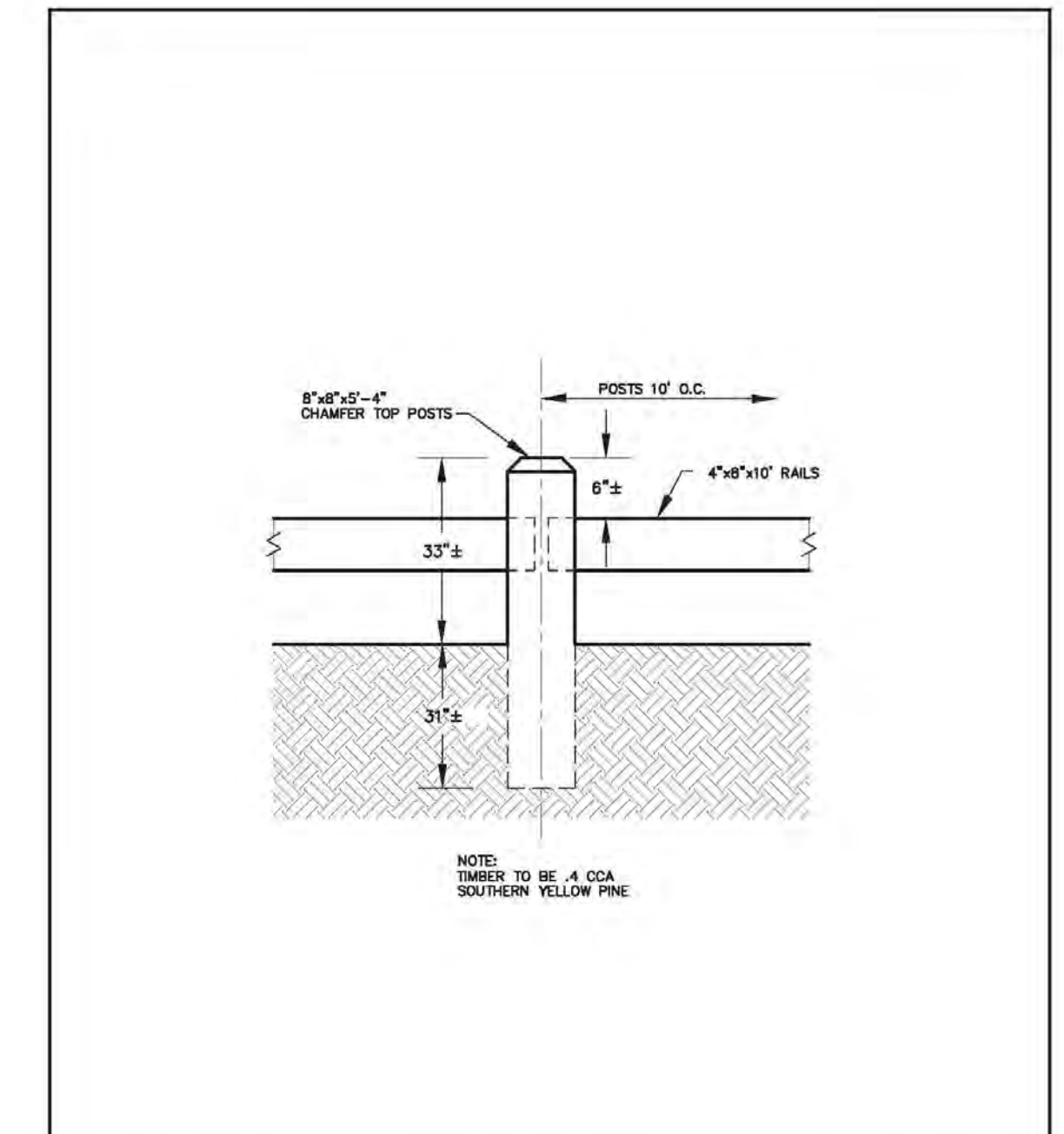
OUTLET CONTROL STRUCTURE DMH 1 – LANXESS IMPROVEMENTS

N.T.S.

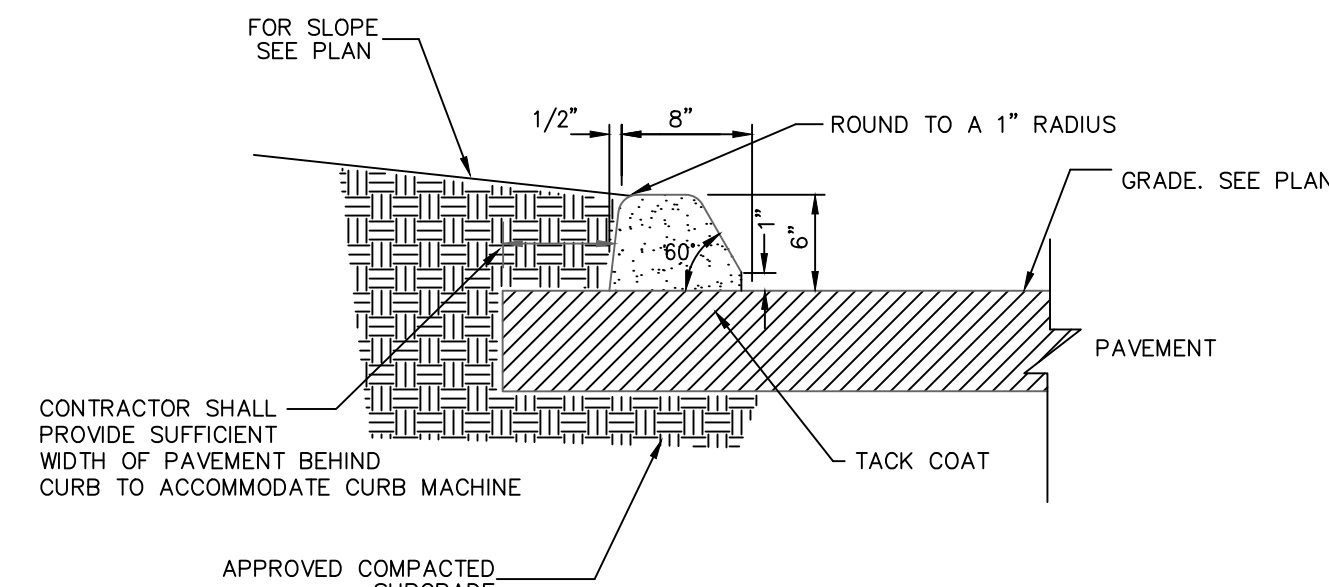


METAL BEAM RAIL DETAIL (TYPE R-B 350)

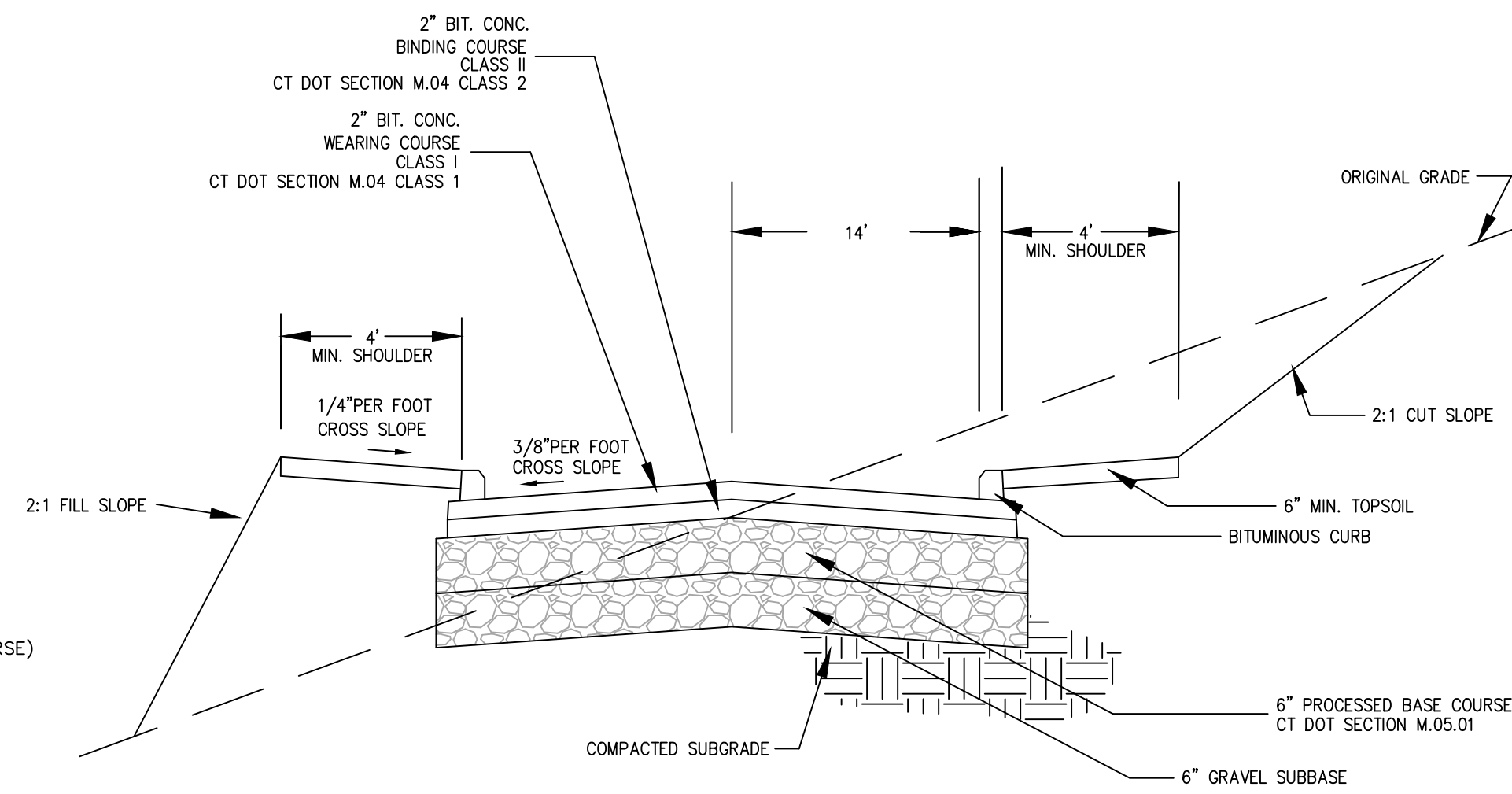
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	TIMBER GUIDERAIL	Scale: N.T.S.
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD-63
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov		Date: 10/2011



6" BITUMINOUS CONCRETE CURB DETAIL

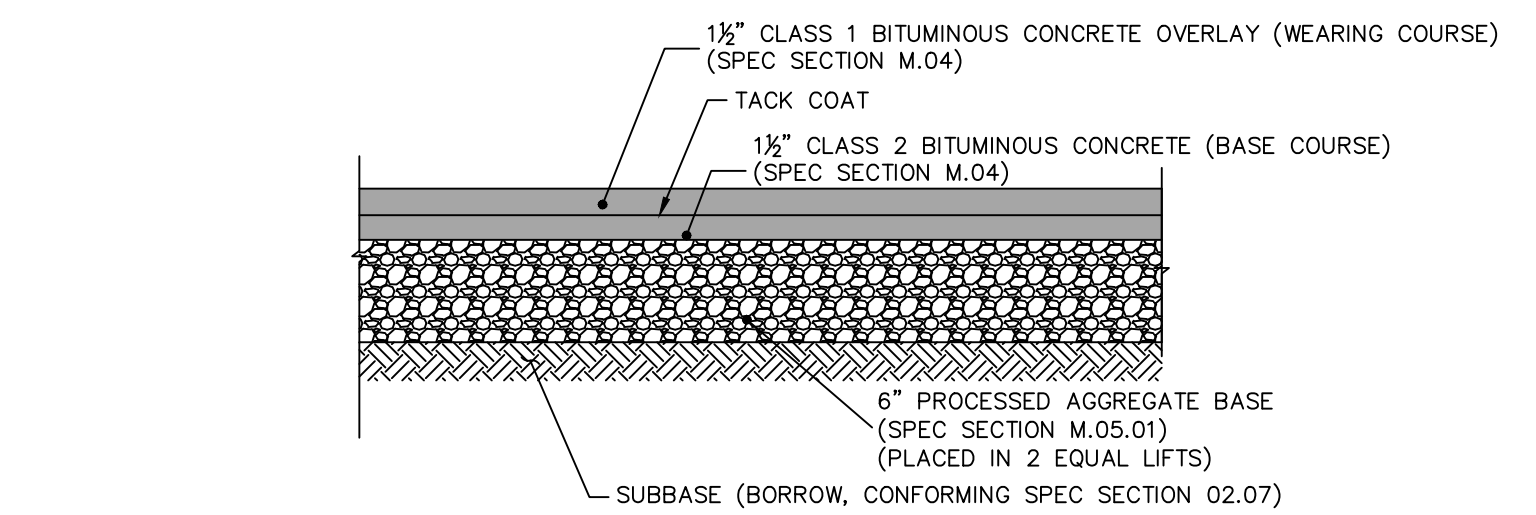


TYPICAL DRIVEWAY CROSS SECTION-LANXESS

N.T.S.

NOTES:

- SUBGRADE & SUBBASE SHALL BE 32' WIDE.
- PAVEMENT SHALL BE 30' WIDE.
- TRAVELLED WAY CURB TO CURB SHALL BE A MINIMUM OF 18' WIDE.

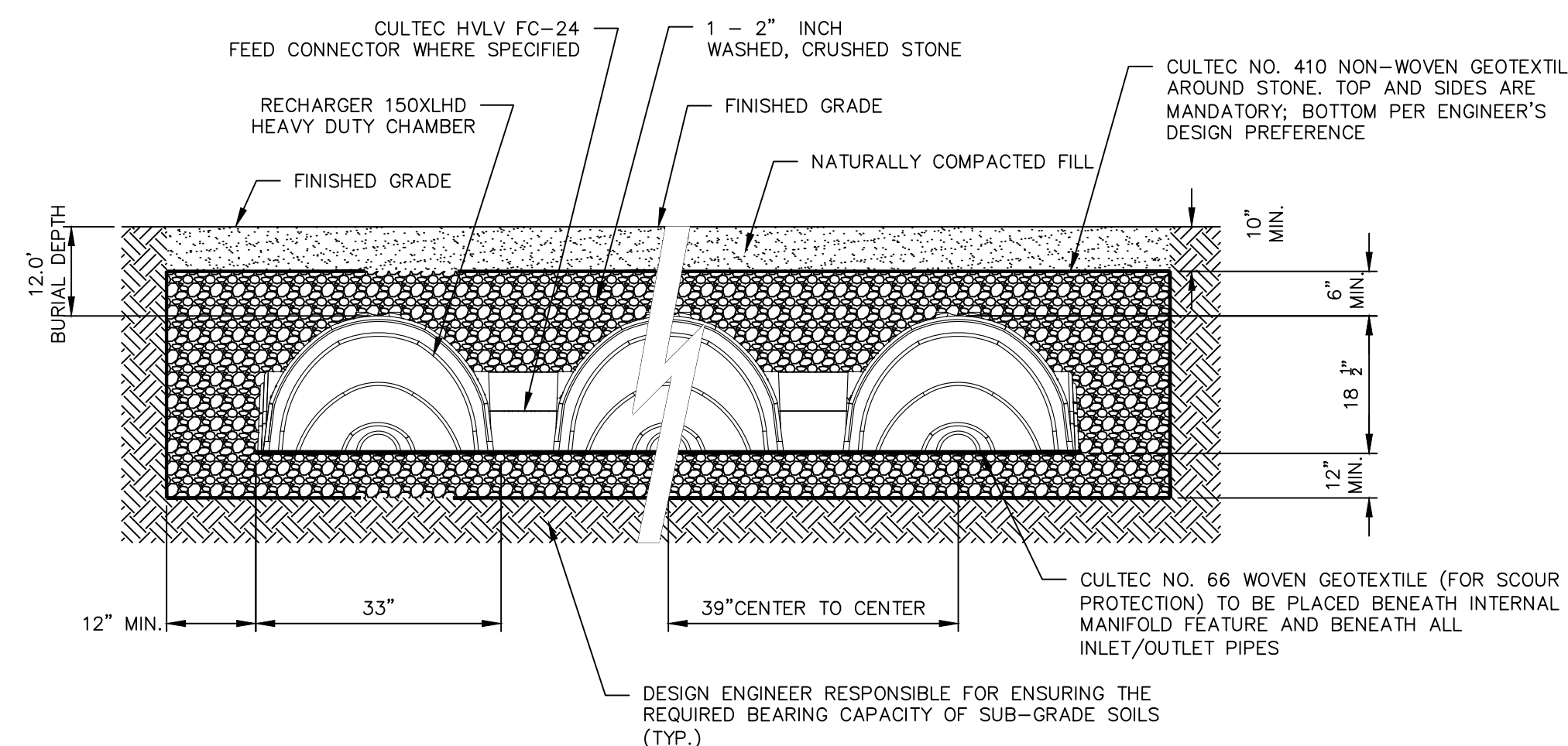
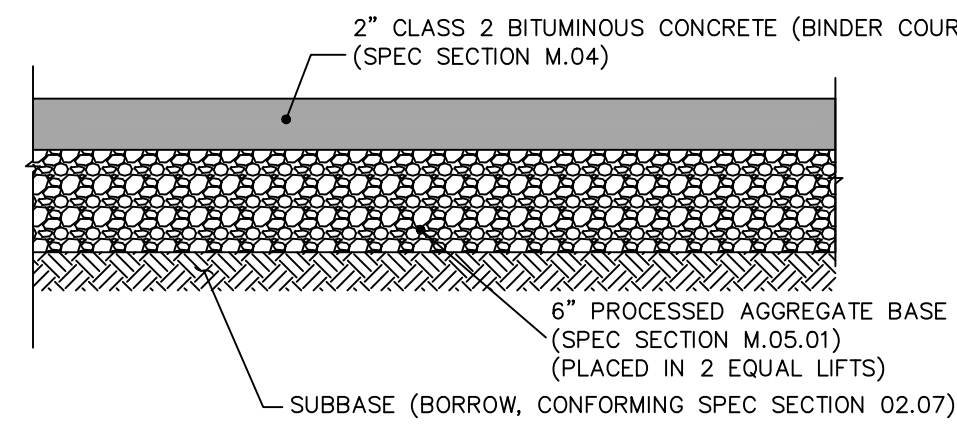


TYPICAL PARKING AREA CROSS SECTION-LANXESS

N.T.S.

TEMP. TRANSITION DRIVE WITH BINDER CROSS SECTION

N.T.S.

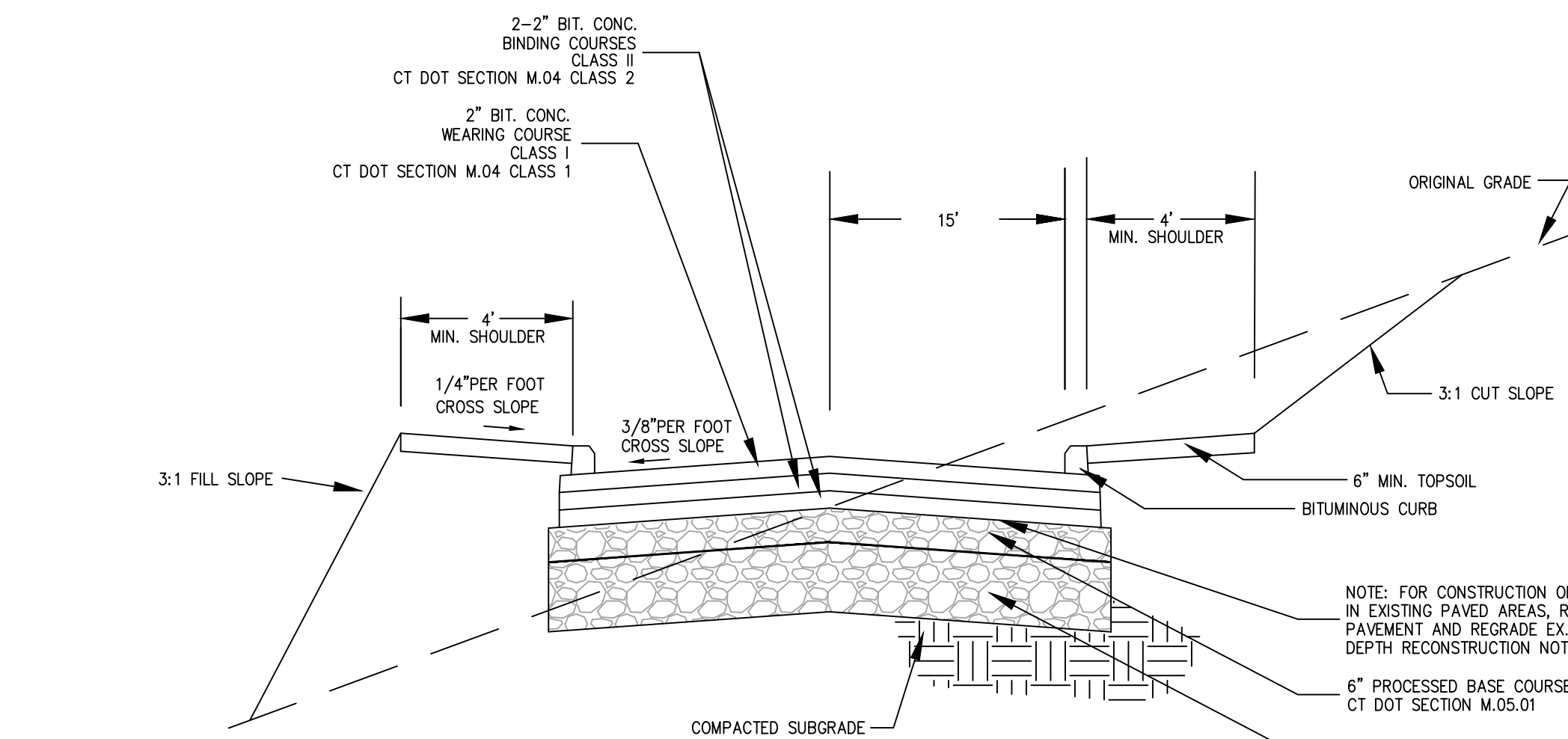


GENERAL NOTES:
 RECHARGER 150XLHD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 4.89 CF/FT (0.45 m³/m) PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
 MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12' (3.65m). THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

ALL RECHARGER 150XLHD HEAVY DUTY UNITS ARE MARKED WITH A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
 ALL RECHARGER 150XLHD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

CULTEC TYPICAL SECTION R-150XLHD – LANXESS IMPROVEMENTS

N.T.S.

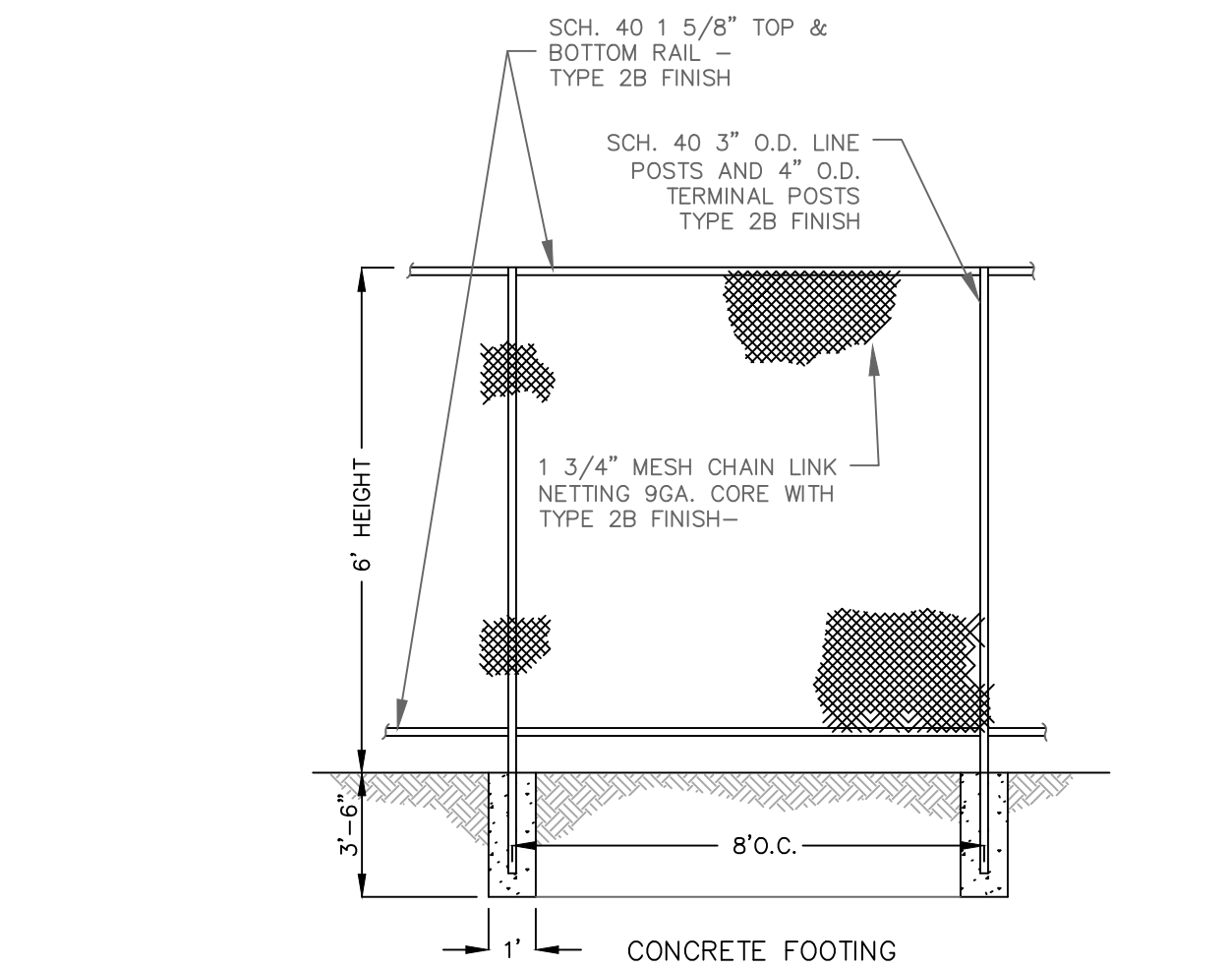


TYPICAL ROADWAY CROSS SECTION

N.T.S.

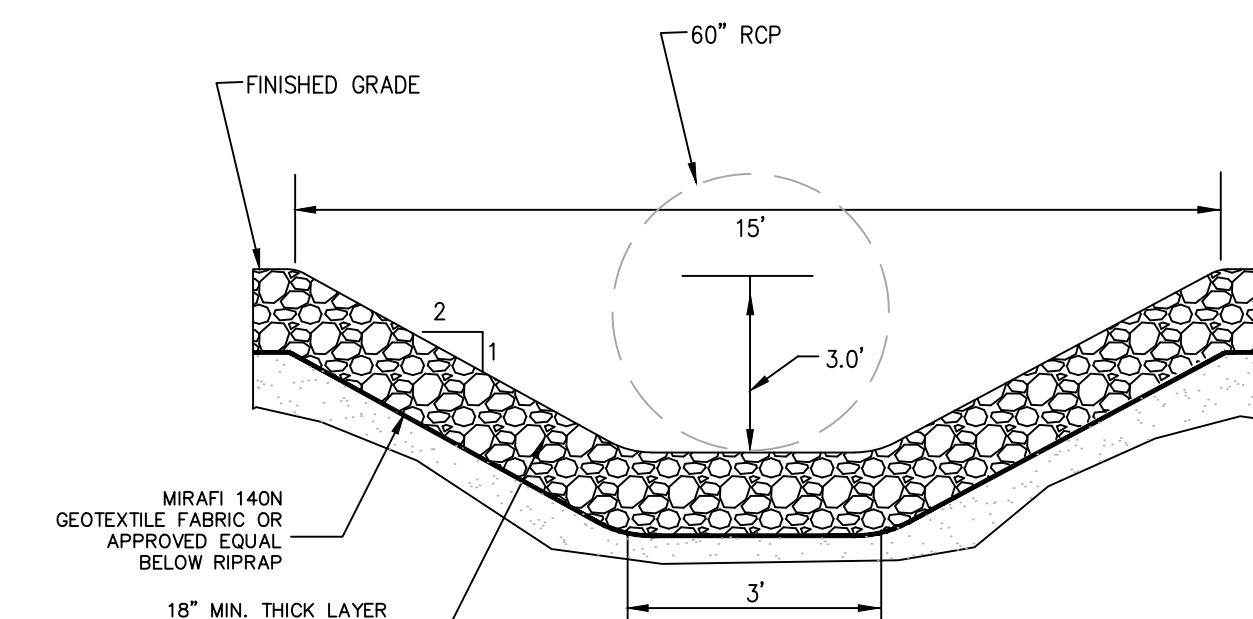
NOTES:

- SUBGRADE & SUBBASE SHALL BE 34' WIDE.
- PAVEMENT SHALL BE 33' WIDE.
- TRAVELLED WAY CURB TO CURB SHALL BE A MINIMUM OF 30' WIDE.
- ROADS ARE TO BE CONSTRUCTED IN ACCORDANCE BOROUGH OF NAUGATUCK SUBDIVISION REGULATIONS SECTION 5.3.17.



FENCE DETAIL

N.T.S.



RIPRAP DRAINAGE SWALE

N.T.S.

NO.	REVISION	DATE

Previous Editions Obsolete

**BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770**

CLIENT

DETAILS

**NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET**

NAUGATUCK

CONNECTICUT



CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
(203) 266-0778



DRAWN BY: APPROVED BY:

SCALE: N.T.S.

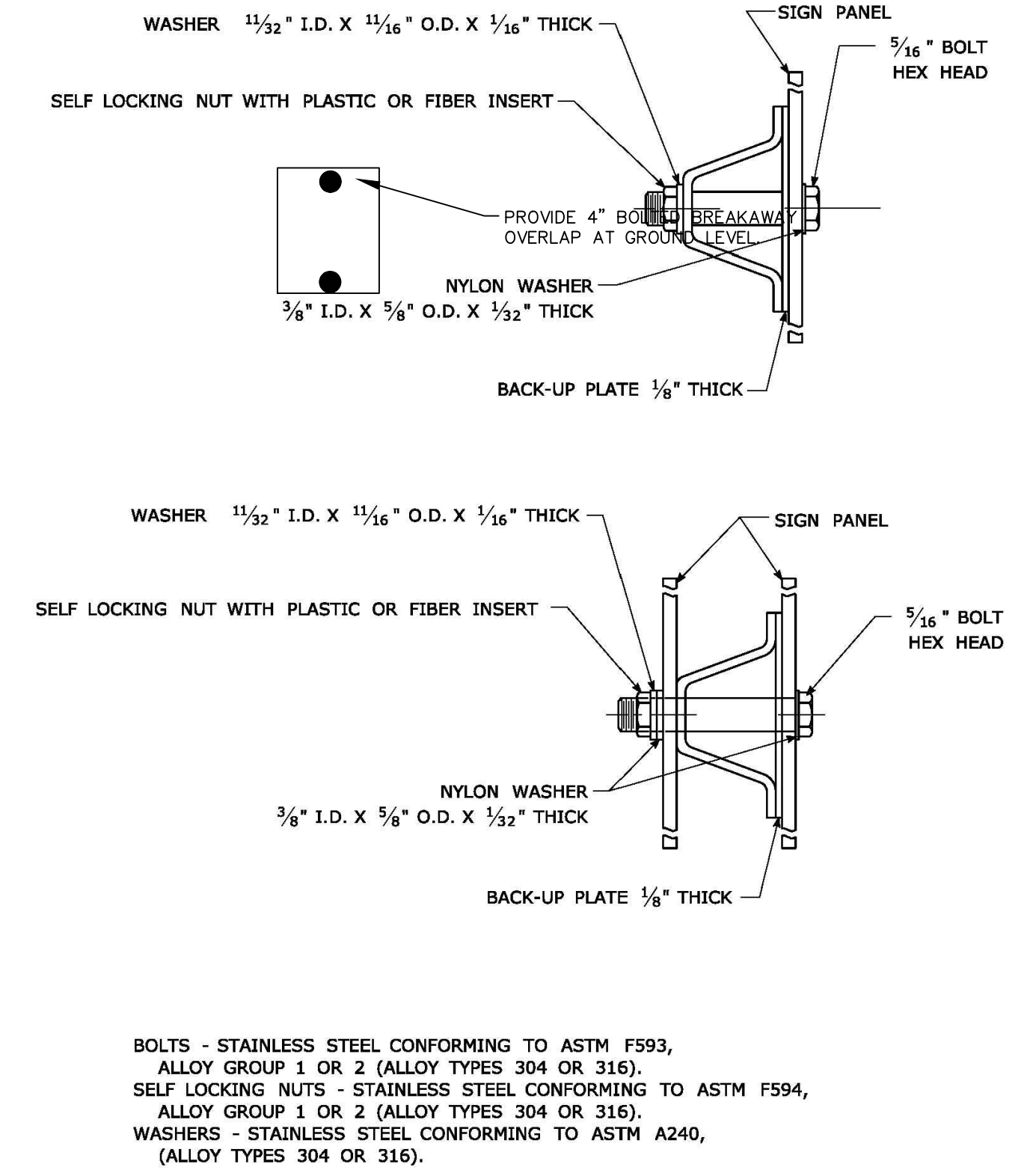
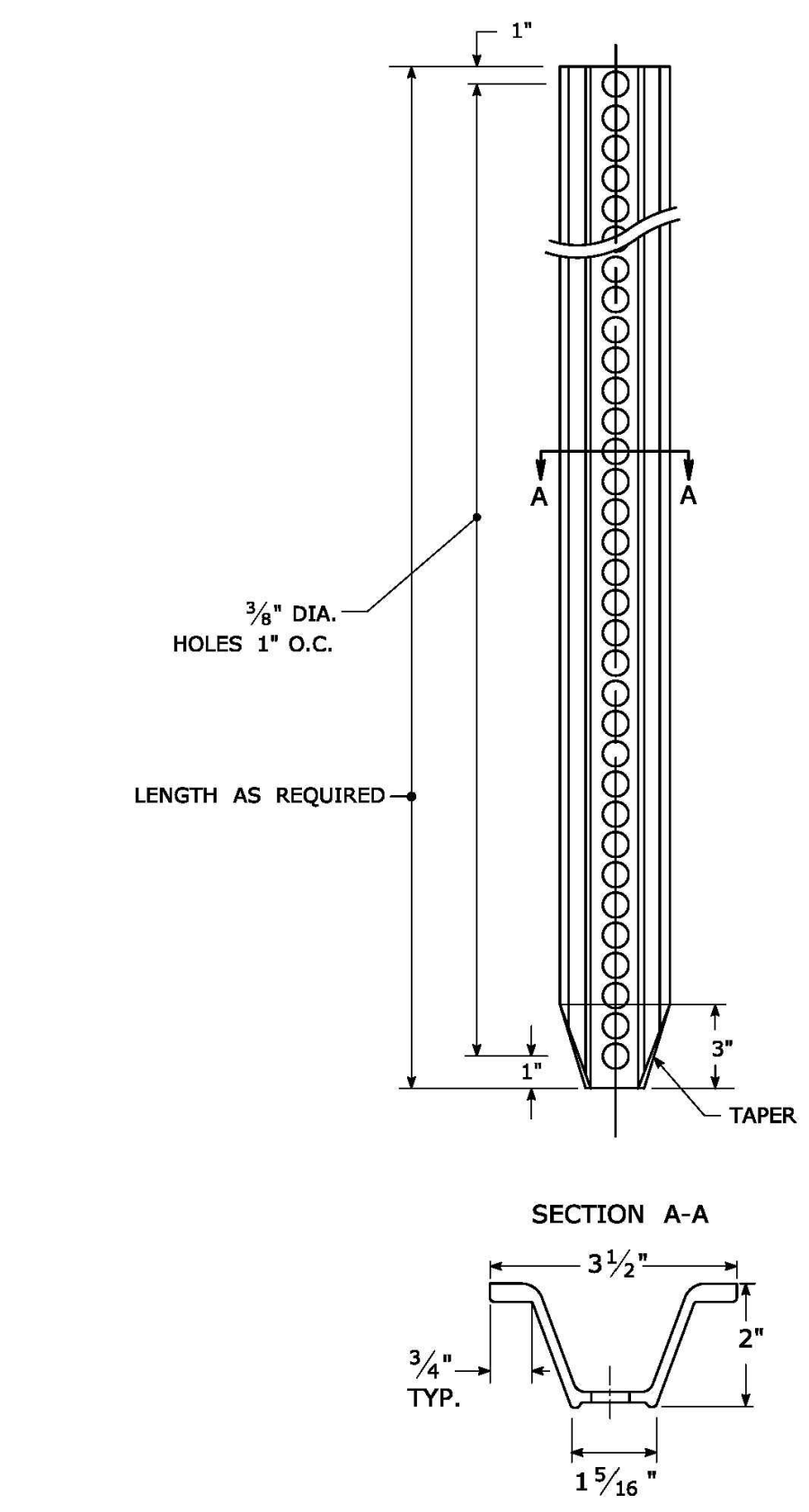
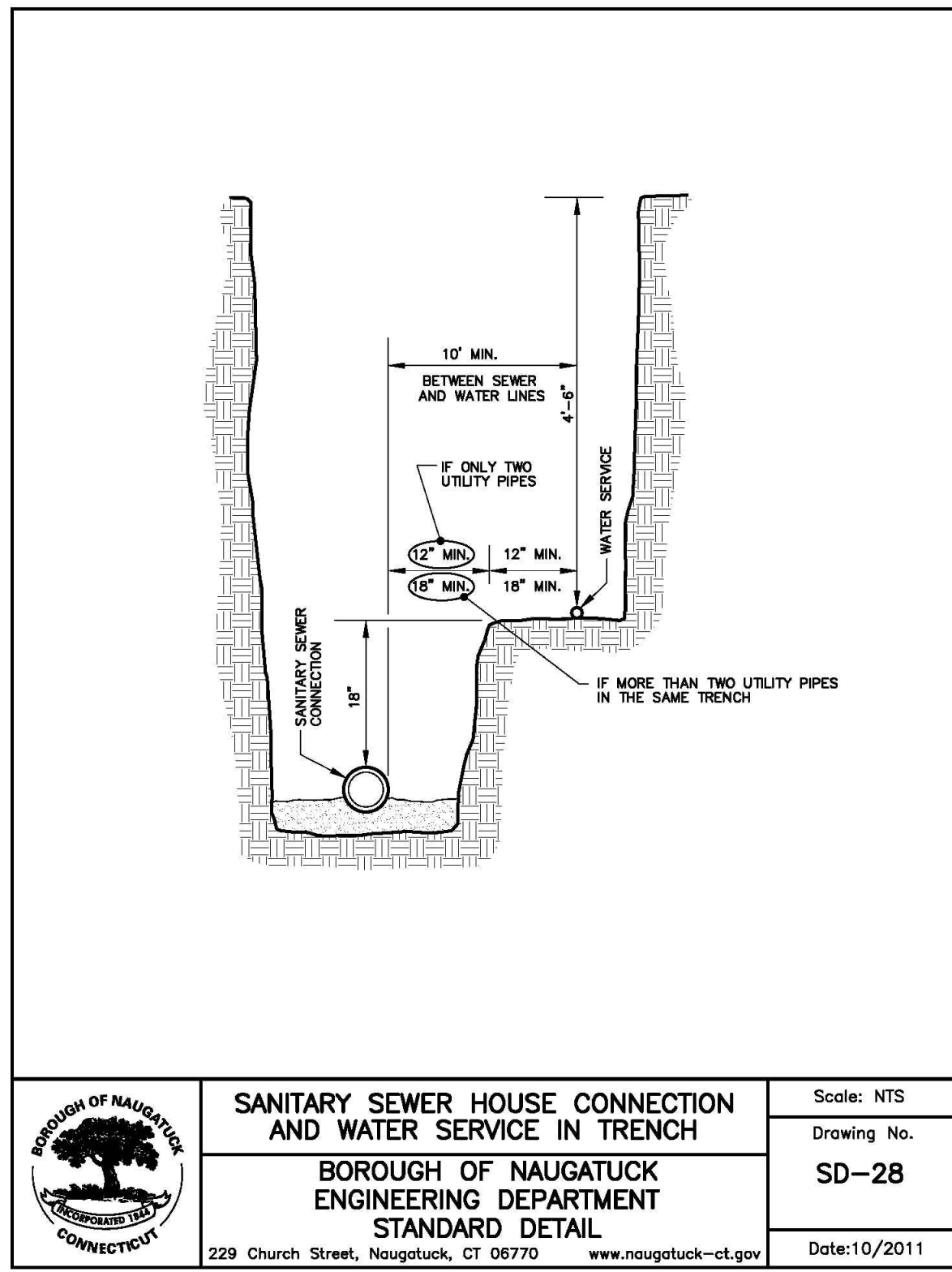
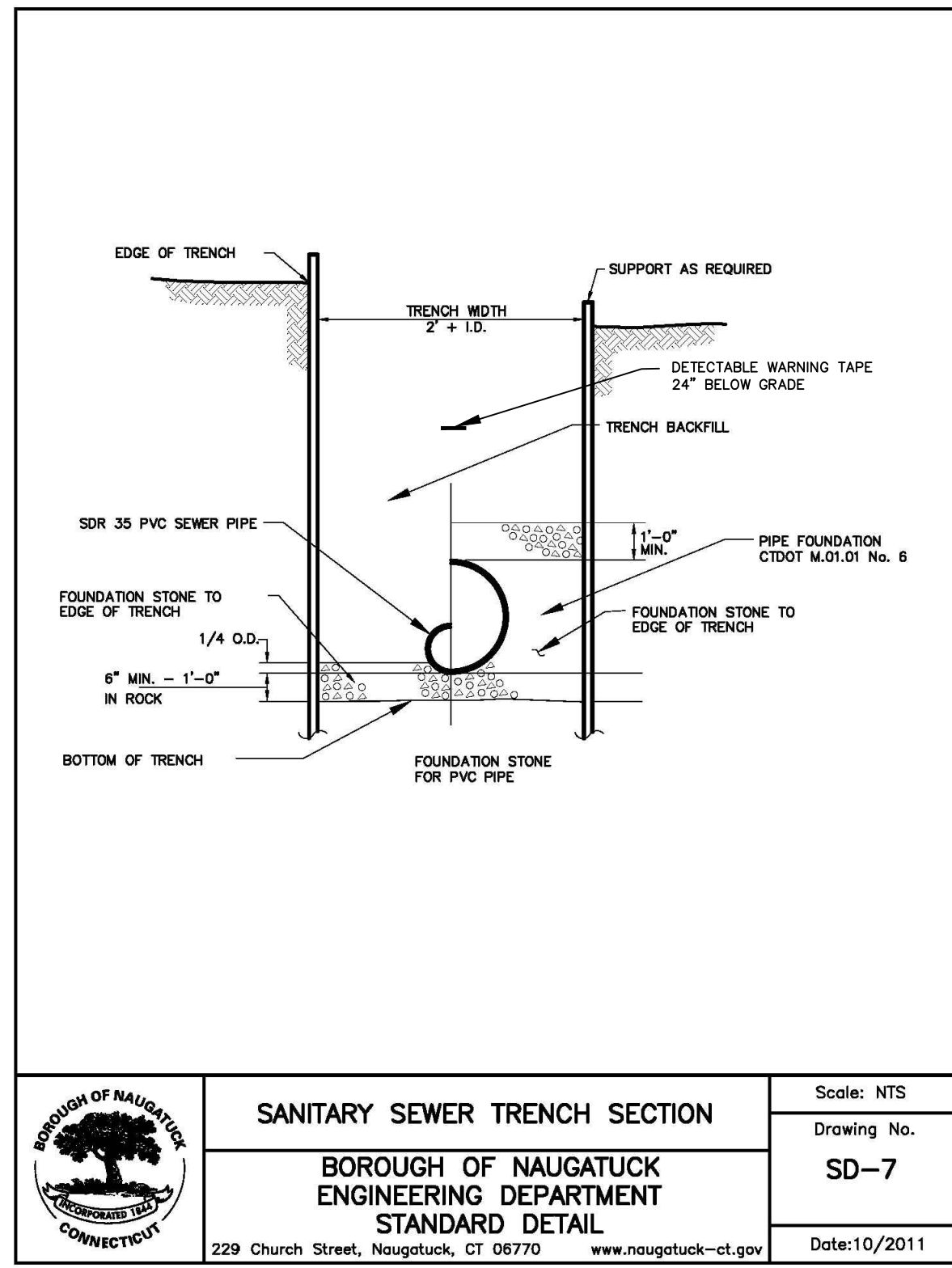
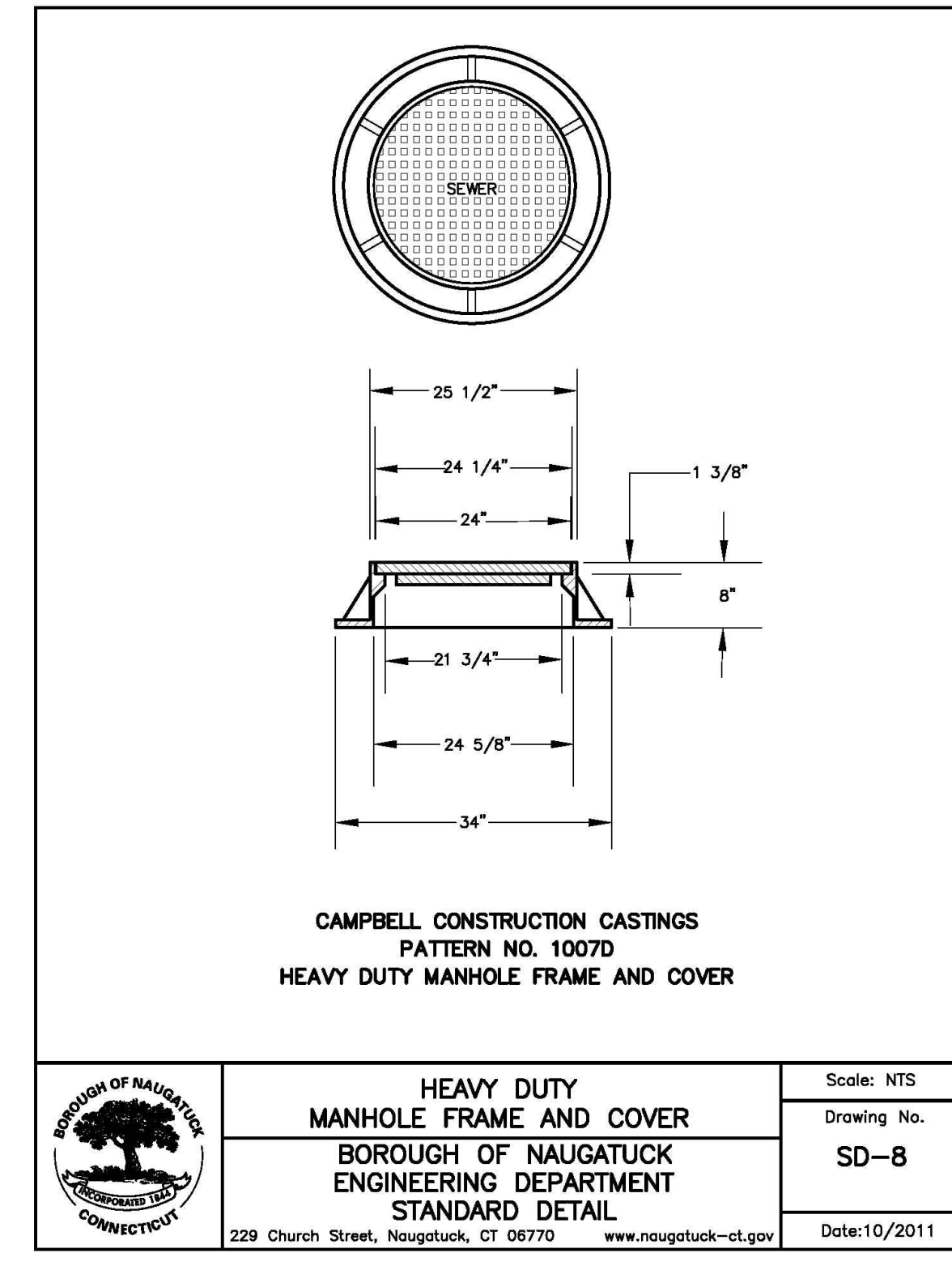
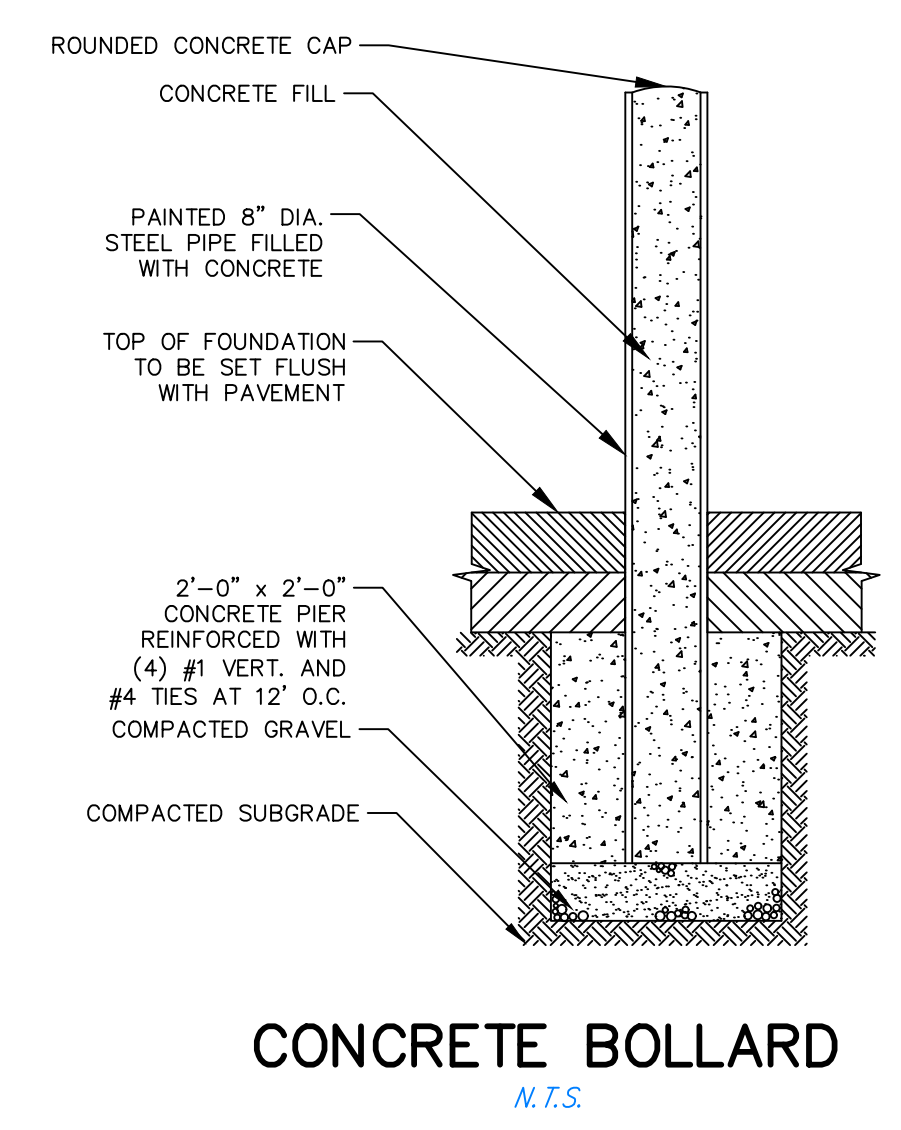
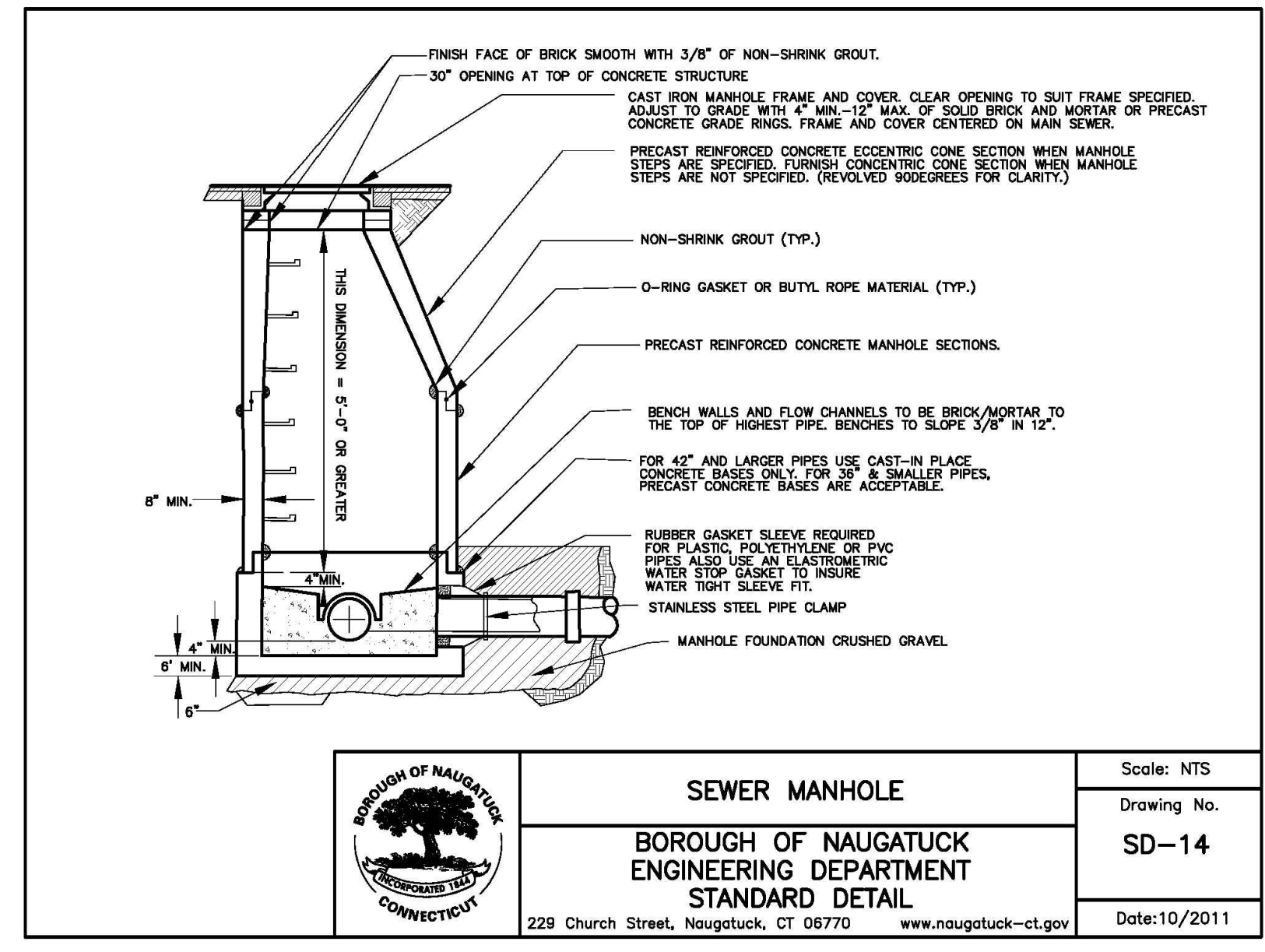
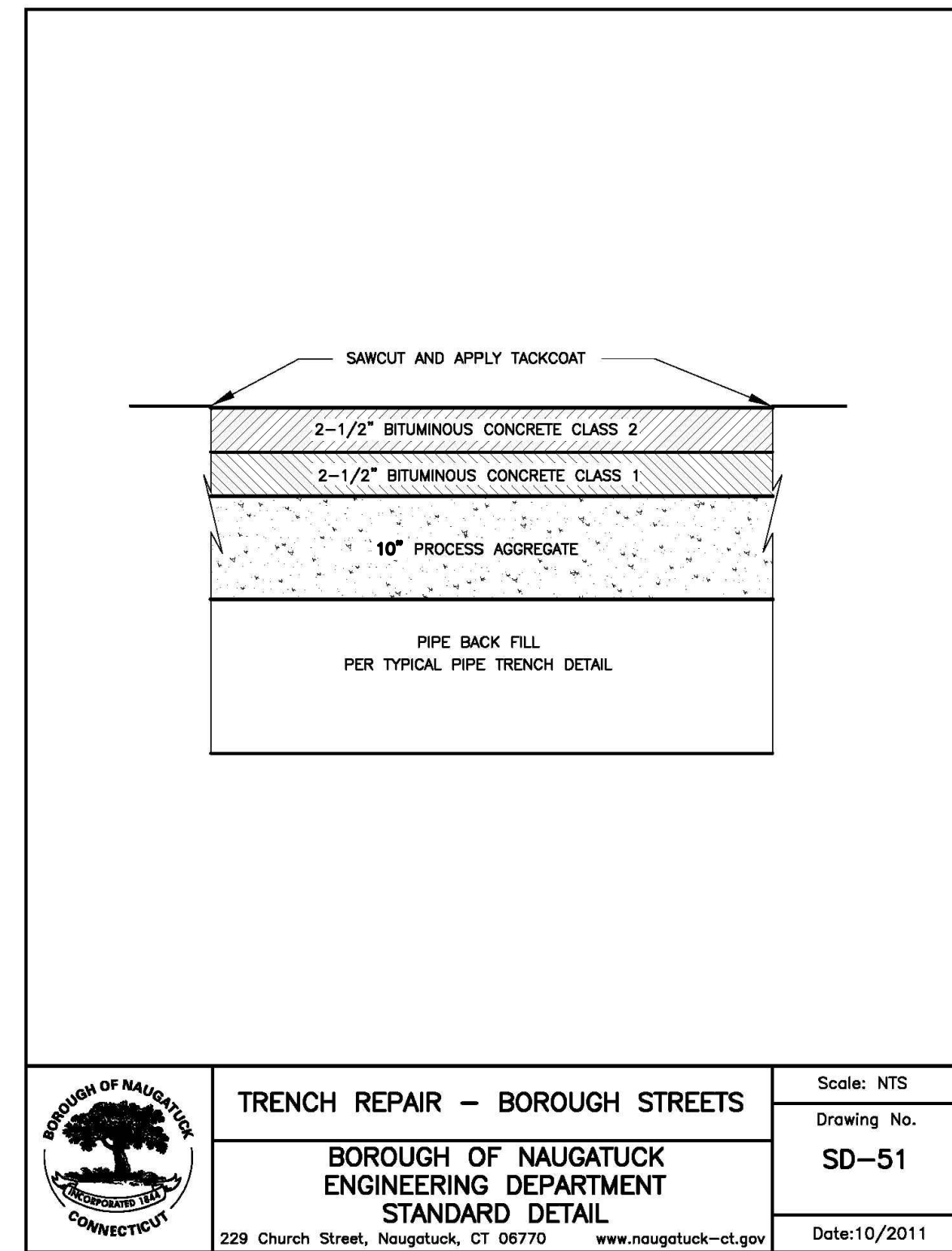
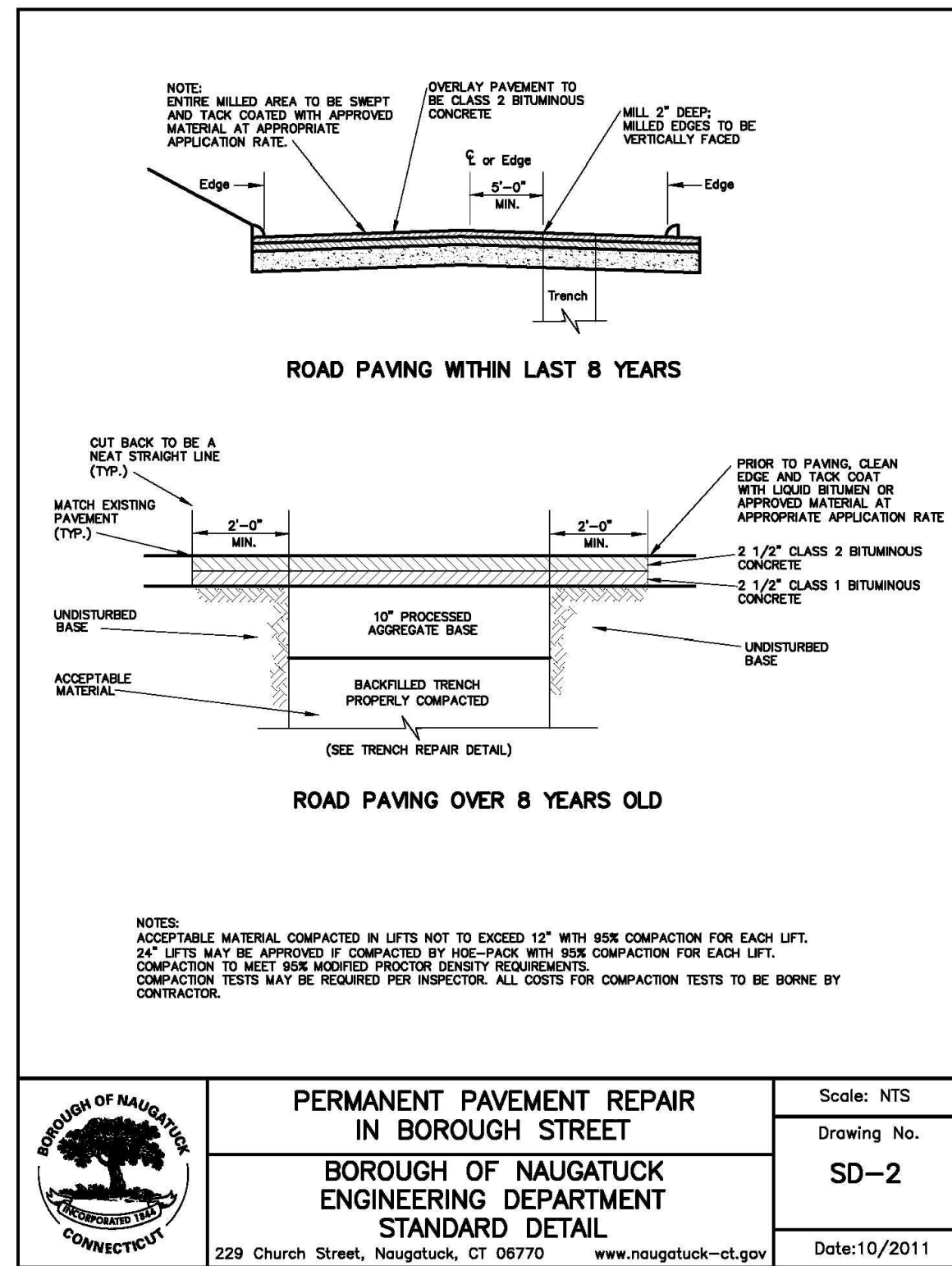
DATE: 16 OCT 24

PROJ. NO.: 3535

CADD FILE NAME: 3535

DRAWING NO.:

C-6.3



NO.	REVISION	DATE

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CLIENT

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

DETAILS

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

NAUGATUCK CONNECTICUT WOODBURY

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
(203) 266-0778

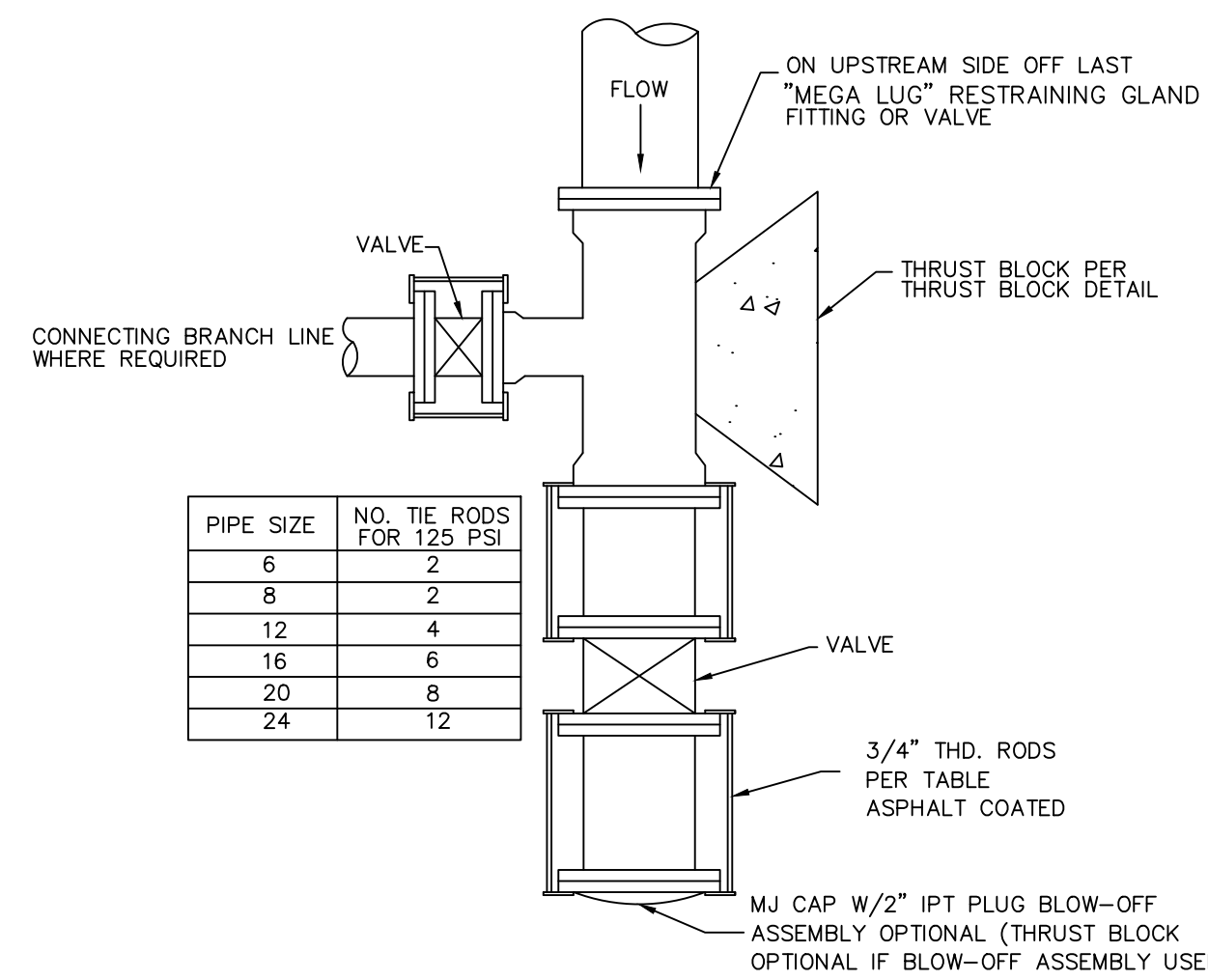
CONNECTICUT



DRAWN: BB APPROVED: CJ
SCALE: N.T.S.
DATE: 16 OCT 24
PROJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.: C-6.4

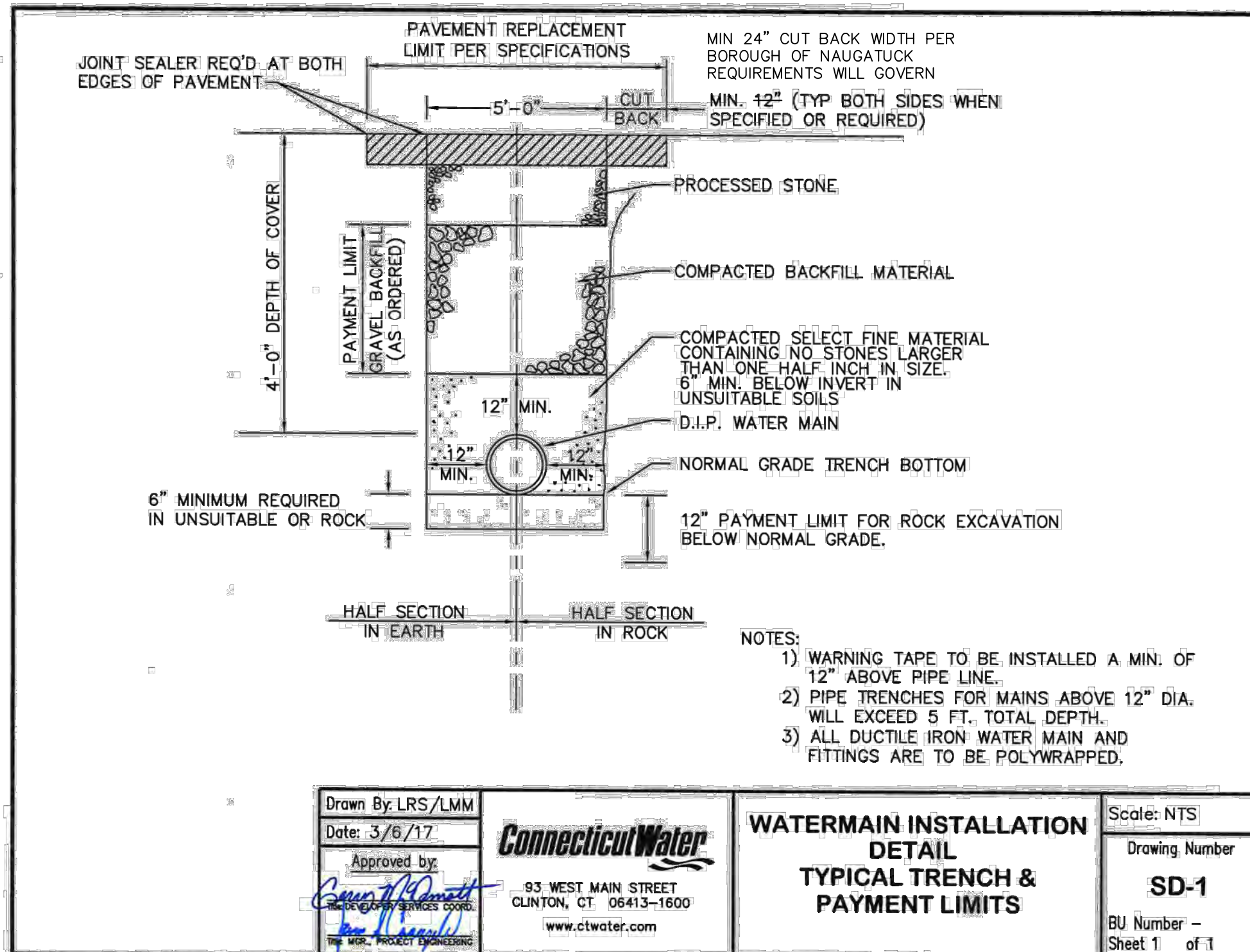
WATER MAIN INSTALLATION NOTES:

- PROJECT MUST BE BUILT TO CT WATER COMPANY SPECIFICATIONS.
- CLASS 52 DUCTILE IRON PIPE REQUIRED.
- COPPER AND/OR DUCTILE IRON SERVICE LATERAL MATERIAL REQUIRED.
- GATE VALVES OPEN RIGHT.
- FIRE HYDRANTS OPEN LEFT, 5.5' BURY DEPTH. CWC WILL FURNISH MATERIALS INCLUDING TEE, VALVE, PIPE, HYDRANT AND ACCESSORIES. FIRE HYDRANTS TO BE INSTALLED WITH FACE OF HYDRANT 3- FEET OFF FACE OF CURB. HYDRANTS ARE NOT TO BE INSTALLED IN SIDEWALKS. WHERE 3- FEET CANNOT BE OBTAINED, INSTALL HYDRANT BEHIND SIDEWALK UNLESS OTHERWISE NOTED OR AS DIRECTED BY A CT WATER COMPANY PROJECT MANAGER. 10- FEET HORIZONTAL SEPARATION REQUIRED BETWEEN HYDRANTS, SEWER MANHOLES AND STORM DRAINS. ***FIRE HYDRANTS ARE TO BE INSTALLED WITH FINISH GRADE AT THE BURY LINE CAST INTO THE LOWER BARREL. CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENTS OF WATER MAIN AND LATERAL ELEVATION TO ACHIEVE PROPER BURY DEPTH. ANY COSTS RELATED TO ADJUSTMENTS REQUIRED BY CT WATER COMPANY WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR AND/OR APPLICANT OF RECORD.
- ALL WATER MAIN PIPING AND APPURTENANCES MUST BE POLYETHYLENE ENCASED IN ACCORDANCE WITH AWWA ANSI-AWWA C105/A21.5-99(10)
- MEGALUG RESTRAINTS REQUIRED ON ALL FITTINGS, BENDS, OFFSETS, TEES, GATE VALVES AND HYDRANTS.
- FIELD LOK (U.S. PIPE) OR SURE STOP 350 (MCWANE) RESTRAINING GASKETS ARE REQUIRED 2 PIPE JOINTS BEFORE AND AFTER EACH FITTING AND ON THE LAST 3 PIPE LENGTHS ON DEAD ENDS.
- THRUST BLOCKING IS REQUIRED ON ALL BENDS, TEES, OFFSETS, HYDRANTS AND DEAD ENDS.
- ALL WATER MAINS SHALL BE INSTALLED TO A DEPTH OF 4- FEET OF COVER BASED ON THE ROADWAY GRADE, EXCEPT AS NOTED.
- 3- FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER AND ANY OTHER UTILITY/ UNDERGROUND STRUCTURE. 10- FT MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER AND SEWER/SEPTIC ("SEWER"). SEWER MUST BE SLEEVED WHERE WATER CROSSES SEWER IF WATER IS BELOW AND/OR WHEN 18" VERTICAL SEPARATION CANNOT BE ACHIEVED WHEN WATER IS ABOVE. 4- FEET MINIMUM HORIZONTAL SEPARATION REQUIRED BETWEEN WATER MAIN AND DRAINAGE WHEN AT LIKE ELEVATIONS.
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- ANGLE OF BENDS TO BE FIELD DETERMINED.
- MAXIMUM ALLOWABLE DEFLECTION PER FULL LENGTH PUSH-ON JOINT FOR 4" TO 12" IS FIVE (5) DEGREES AND THREE (3) DEGREES FOR 14" AND GREATER DUCTILE IRON PIPE.
- EXISTING SERVICES TO SITE THAT WILL NO LONGER BE USED MUST BE TERMINATED AT THE WATER MAIN BY EXPOSING AND SHUTTING OFF THE CORPORATION VALVE. THE LINE MUST BE SEVERED IMMEDIATELY AFTER THE CORPORATION VALVE. SAID SERVICES MUST BE SHOWN ON PLANS.
- WHERE A WATER SUPPLY WELL FOR ANY PURPOSE EXISTS OR IS APPROVED WITHIN THE LIMITS OF THIS PROJECT, ALL SERVICE LINES CONNECTED TO THE PUBLIC WATER SUPPLY REQUIRE A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPD), AND MUST MEET THE REQUIREMENTS OF SEC. 19A-209A OF THE CONNECTICUT GENERAL STATUTES ("CGS"), AND SEC. 19-13-B38A OF THE PUBLIC HEALTH CODE.
- WHERE AN AIR RELIEF IS REQUIRED, CWC WILL PERFORM TAP AND INSTALL WHILE THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION AND RESTORATION UNLESS OTHERWISE NOTED. LABOR AND MATERIALS FOR THE INSTALLATION(S) WILL BE CHARGED TO THE PROJECT.
- WHEN THE INSTALLATION OF UNDERGROUND INFRASTRUCTURE DEVIATES FROM THE CT WATER COMPANY APPROVED PLAN(S), THE APPLICANT, AT ITS COST, WILL BE HELD LIABLE FOR THE RELOCATION OF INFRASTRUCTURE AS REQUIRED TO THE SATISFACTION OF THE CT WATER COMPANY. FAILURE TO CORRECT ANY DEVIATION DEEMED UNACCEPTABLE TO THE CT WATER COMPANY MAY RESULT IN LITIGATION.



PIPE SIZE	NO. TIE RODS FOR 125 PSI
6	2
8	2
12	4
16	6
20	8
24	12

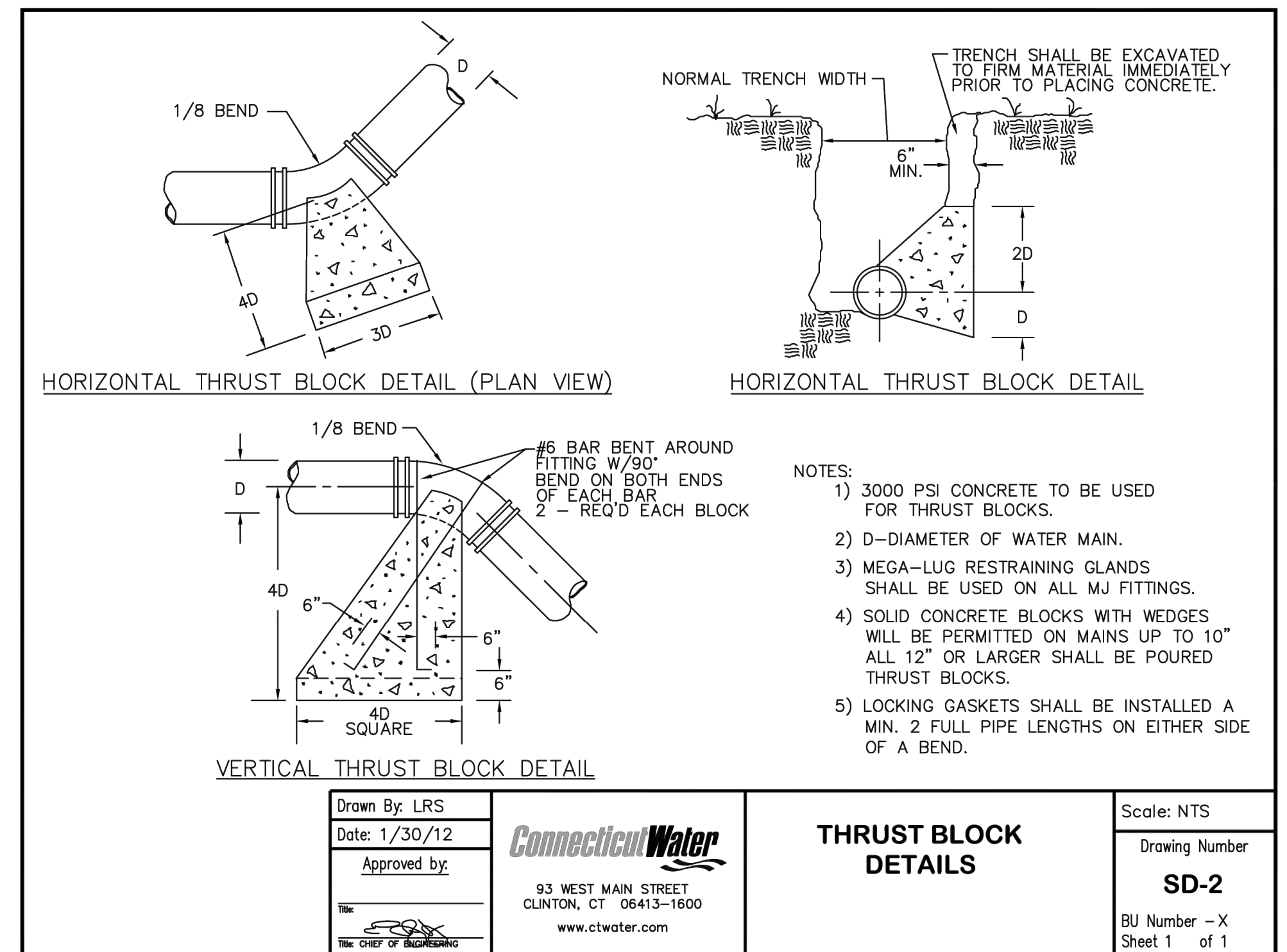
DEAD END AND VALVE RESTRAINED CONNECTIONS
N.T.S.



Drawn By: LRS/LMM
Date: 3/6/17
Approved by: [Signature]
Connecticut Water
93 WEST MAIN STREET
CLINTON, CT 06413-1600
www.ctwater.com

WATERMAIN INSTALLATION DETAIL
TYPICAL TRENCH & PAYMENT LIMITS

Scale: NTS
Drawing Number: SD-1
BU Number - Sheet 1 of 1

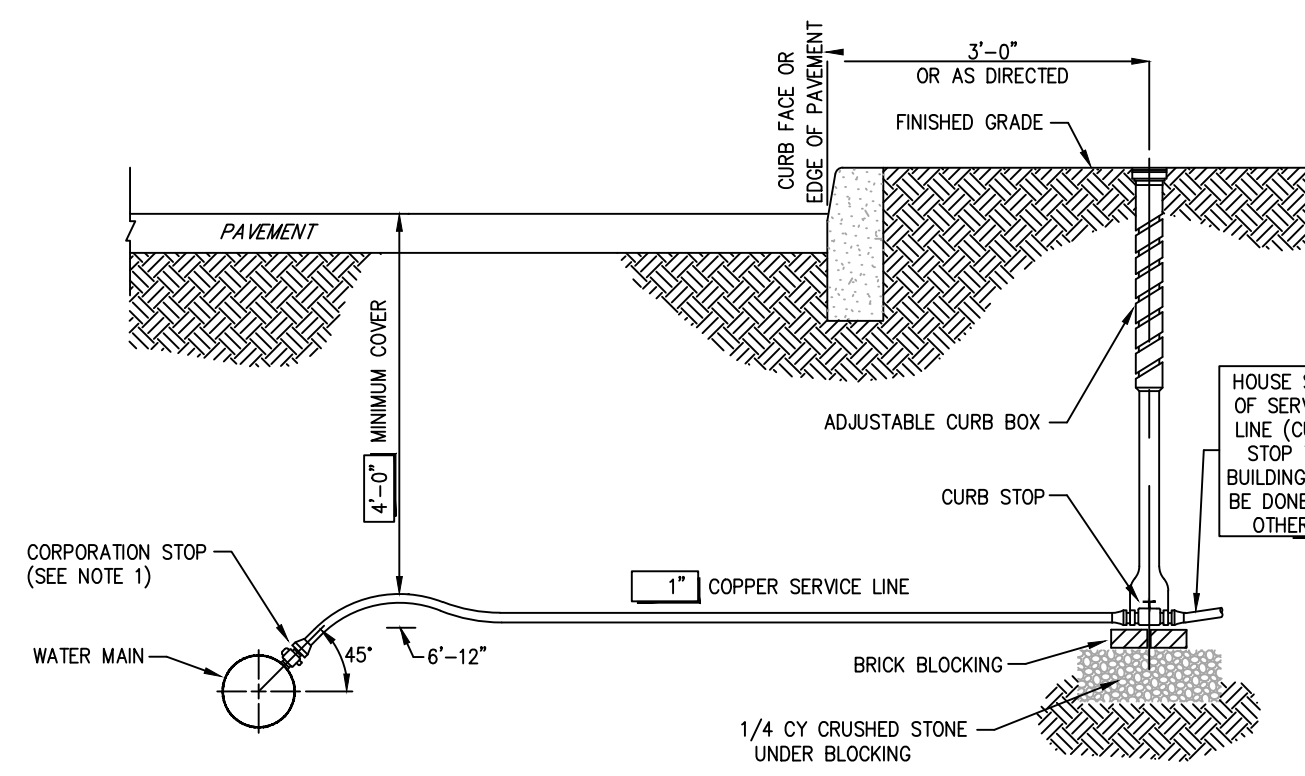


Drawn By: LRS
Date: 1/30/12
Approved by: [Signature]
Connecticut Water
93 WEST MAIN STREET
CLINTON, CT 06413-1600
www.ctwater.com

THRUST BLOCK DETAILS

Scale: NTS
Drawing Number: SD-2
BU Number - Sheet 1 of 1

NOTES:
1) 3000 PSI CONCRETE TO BE USED FOR THRUST BLOCKS.
2) D-DIAMETER OF WATER MAIN.
3) MEGA-LUG RESTRAINING GLANDS SHALL BE USED ON ALL MJ FITTINGS.
4) SOLID CONCRETE BLOCKS WITH WEDGES WILL BE PERMITTED ON MAINS UP TO 10" ALL 12" OR LARGER SHALL BE POURED THRUST BLOCKS.
5) LOCKING GASKETS SHALL BE INSTALLED A MIN. 2 FULL PIPE LENGTHS ON EITHER SIDE OF A BEND.



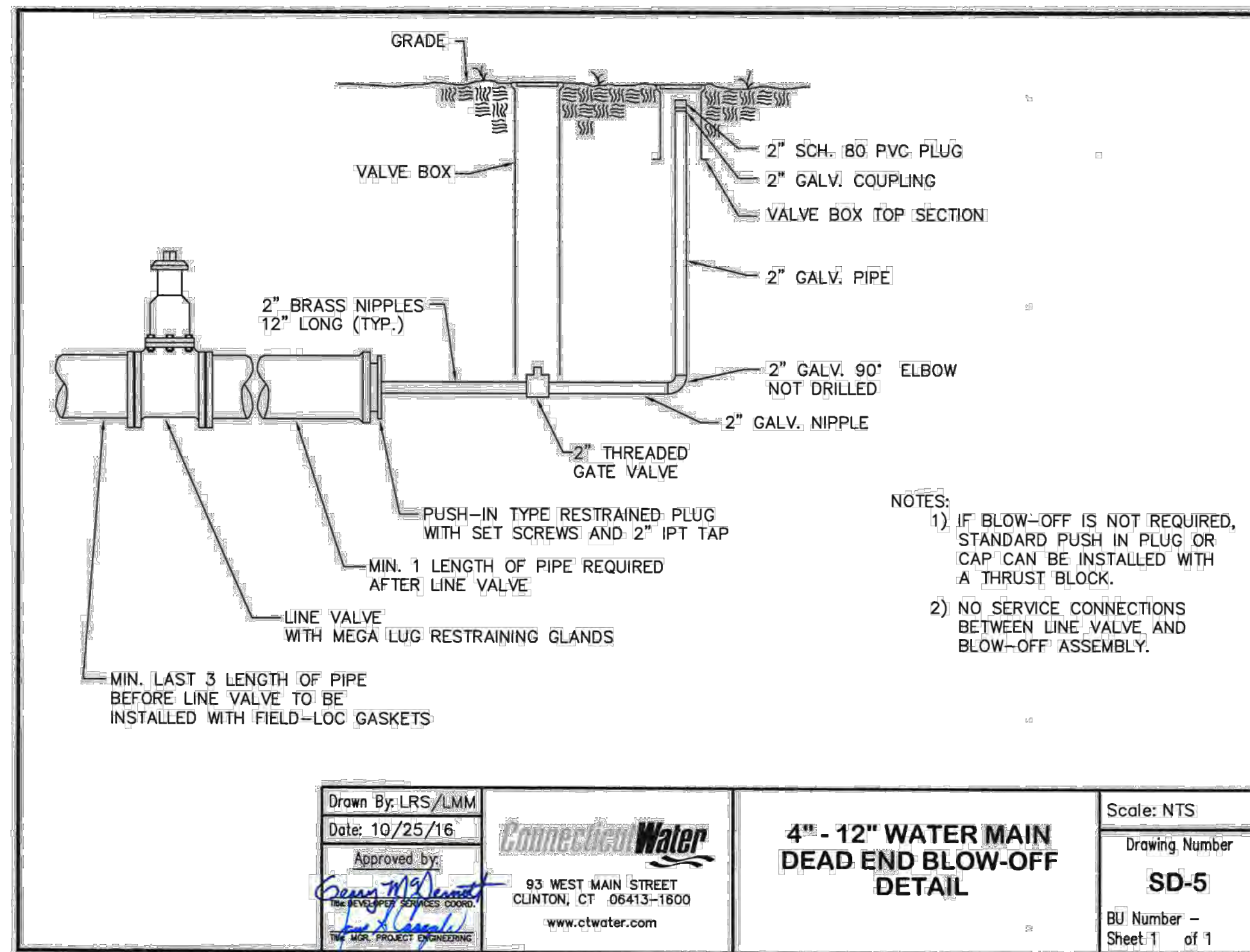
CONSTRUCTION MATERIALS

SIZE	SERVICE LINE (Material)	CORPORATION STOP	CURB STOP	CURB BOX	ENLARGED BASE
3/4"	COPPER	H-15008	H-15214	H-10350	Not Applicable
1"	COPPER	H-15008	H-15214	H-10350	Not Applicable
1-1/2"	COPPER	H-15013	H-15214	H-10350	Not Applicable
2"	COPPER	H-15013	H-15214	H-10350	H-10349

CORPORATION STOP, CURB STOP, CURB BOX AND ENLARGED BASE FOR CURB BOX SHALL BE MUELLER COMPANY OR APPROVED EQUAL. CATALOG NUMBERS SHOWN REFER TO MUELLER COMPANY.

- NOTES:
1. INSTALLATION OF 1-1/2" AND 2" CORPORATION STOPS SHALL BE MADE IN THE UPPER PIPE QUADRANT BUT MAY BE MADE AT ANGLES LESS THAN 45° IF APPROVED BY THE OWNER'S FIELD REPRESENTATIVE.
2. SERVICE LINE SHALL HAVE NO JOINTS BETWEEN THE WATER MAIN AND CURB STOP.

SERVICE CONNECTION (2" OR LESS)
N.T.S.

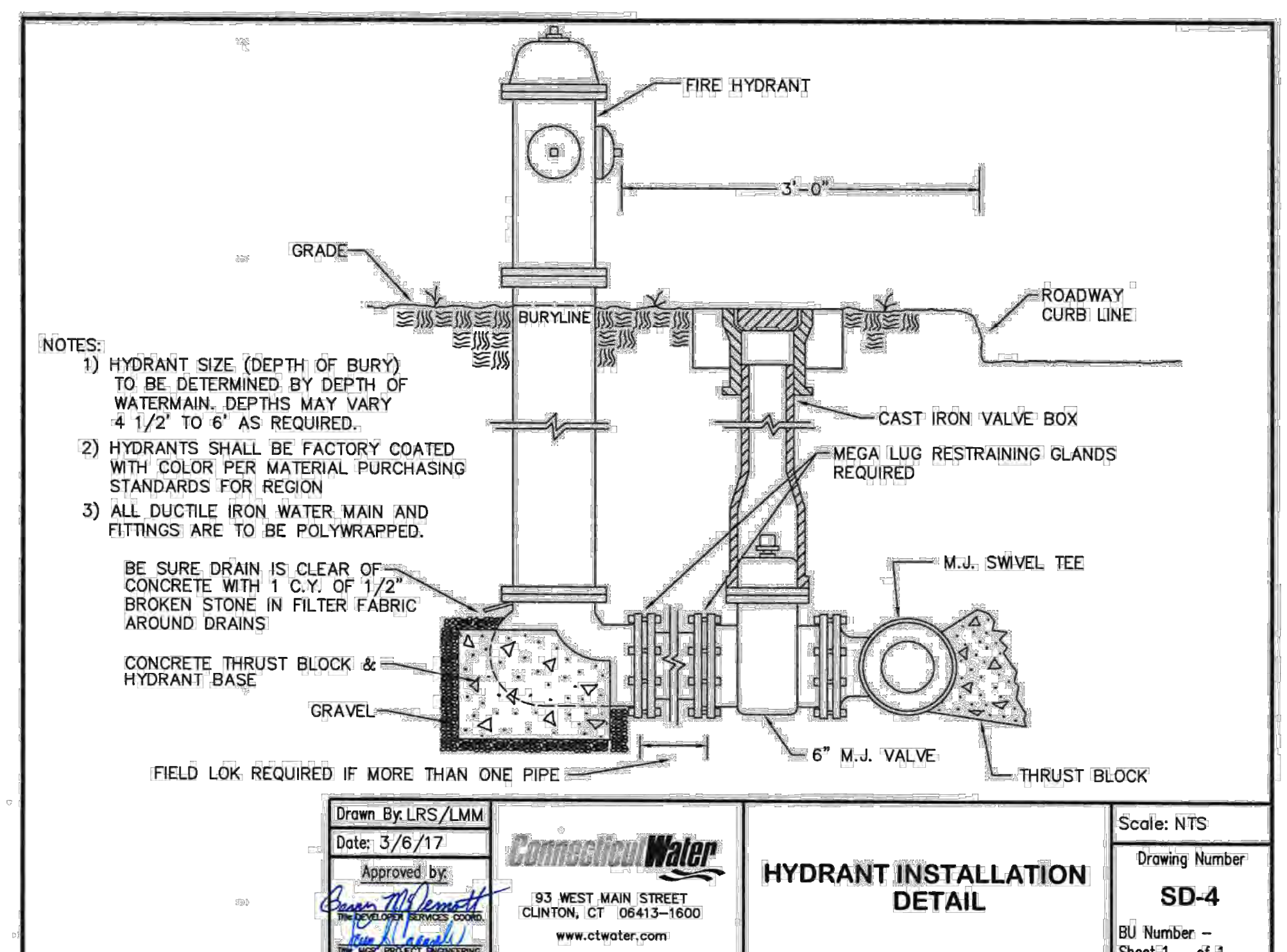


Drawn By: LRS/LMM
Date: 10/25/16
Approved by: [Signature]
Connecticut Water
93 WEST MAIN STREET
CLINTON, CT 06413-1600
www.ctwater.com

4" - 12" WATER MAIN DEAD END BLOW-OFF DETAIL

Scale: NTS
Drawing Number: SD-5
BU Number - Sheet 1 of 1

NOTES:
1) IF BLOW-OFF IS NOT REQUIRED, STANDARD PUSH-IN PLUG OR CAP CAN BE INSTALLED WITH A THRUST BLOCK.
2) NO SERVICE CONNECTIONS BETWEEN LINE VALVE AND BLOW-OFF ASSEMBLY.



Drawn By: LRS/LMM
Date: 3/6/17
Approved by: [Signature]
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HYDRANT INSTALLATION DETAIL

Scale: NTS
Drawing Number: SD-4
BU Number - Sheet 1 of 1

NOTES:
1) HYDRANT SIZE (DEPTH OF BURY) TO BE DETERMINED BY DEPTH OF WATERMAIN. DEPTHS MAY VARY 4 1/2' TO 6' AS REQUIRED.
2) HYDRANTS SHALL BE FACTORY COATED WITH COLOR PER MATERIAL PURCHASING STANDARDS FOR REGION.
3) ALL DUCTILE IRON WATER MAIN AND FITTINGS ARE TO BE POLYWRAPPED.
BE SURE DRAIN IS CLEAR OF CONCRETE WITH 1 C.Y. OF 1/2" BROKEN STONE IN FILTER FABRIC AROUND DRAINS.
CONCRETE THRUST BLOCK & HYDRANT BASE
FIELD LOK REQUIRED IF MORE THAN ONE PIPE

NO.	REVISION	DATE

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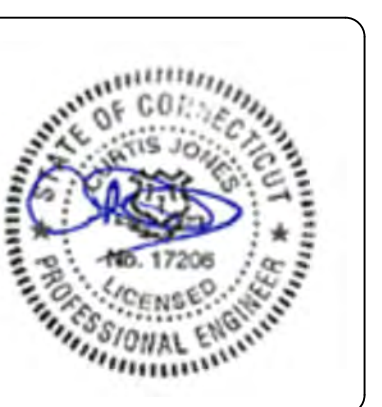
CLIENT

BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

DETAILS

NAUGATUCK INDUSTRIAL PARK III
PHASE 1
INFRASTRUCTURE IMPROVEMENT PLANS
BID SET

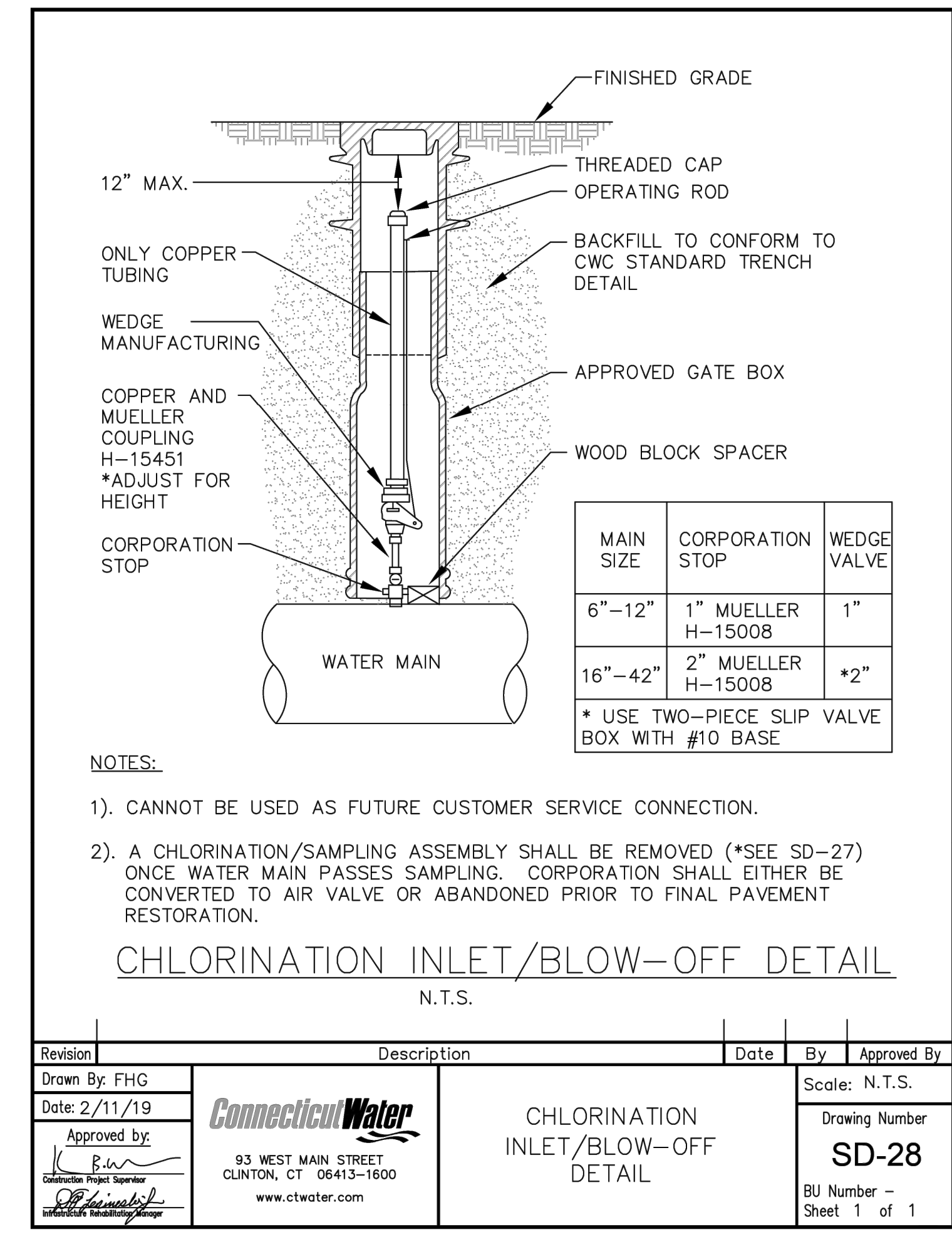
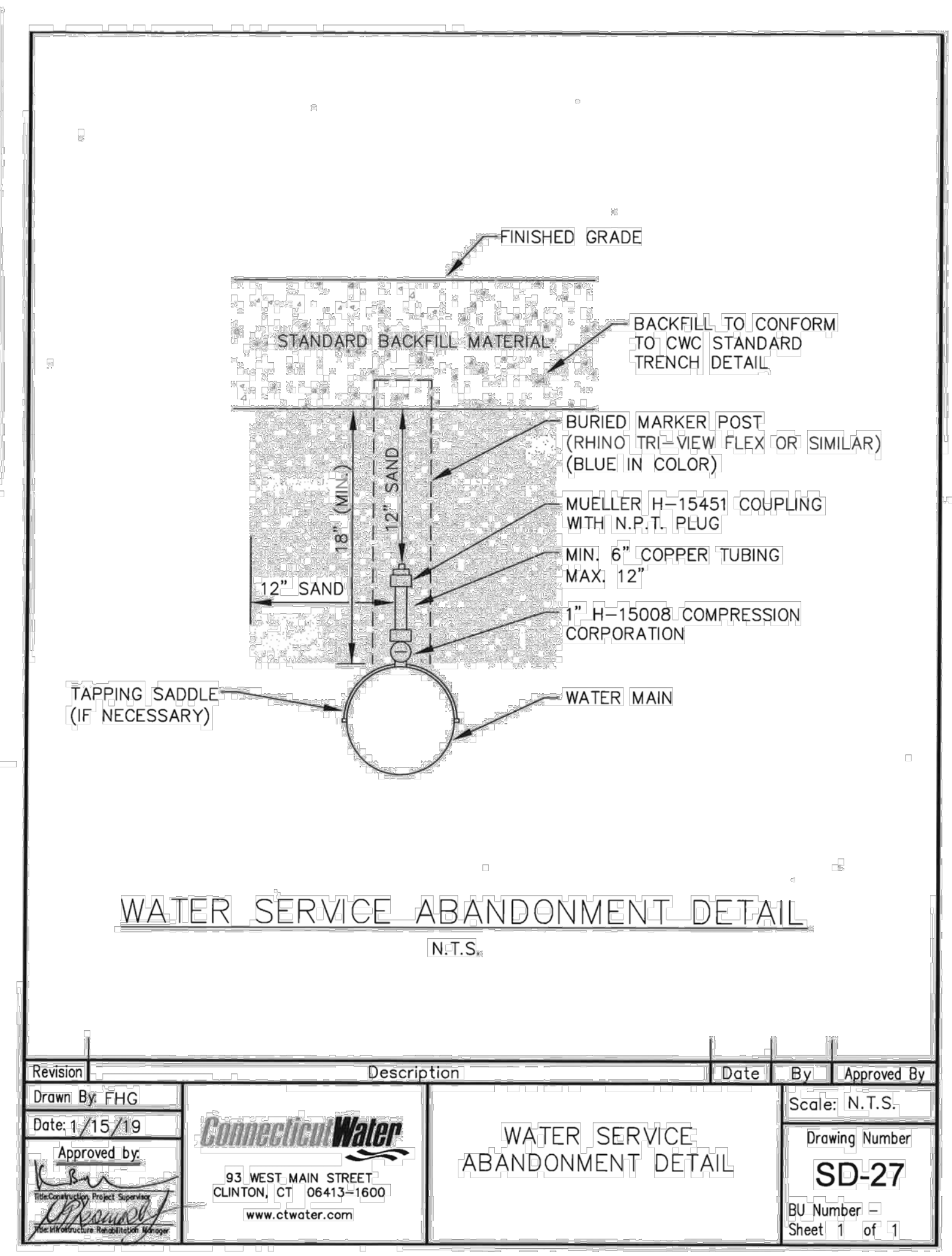
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
(203) 266-0778



SCALE: N.T.S.
DATE: 16 OCT 24
PROJ. NO.: 3535
CARD FILE NAME: 3535
DRAWING NO.: C-6.4

WATER MAIN INSTALLATION NOTES:

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NAUGATUCK CONNECTICUT WOODBURY

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CONNECTICUT



DRAWN BY: BB APPROVED BY: CJ
 SCALE: N.T.S.
 DATE: 16 OCT 24
 PROJ. NO.: 3535
 CARD FILE NAME: 3535
 DRAWING NO.: **C-6.6**

