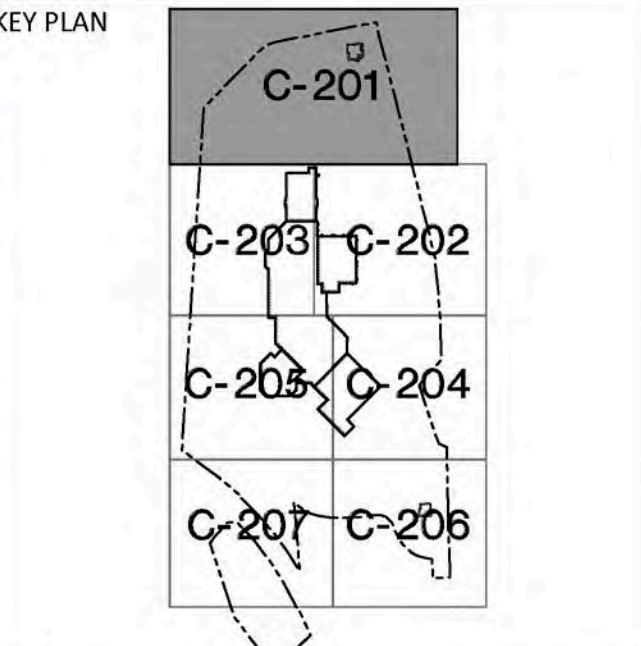
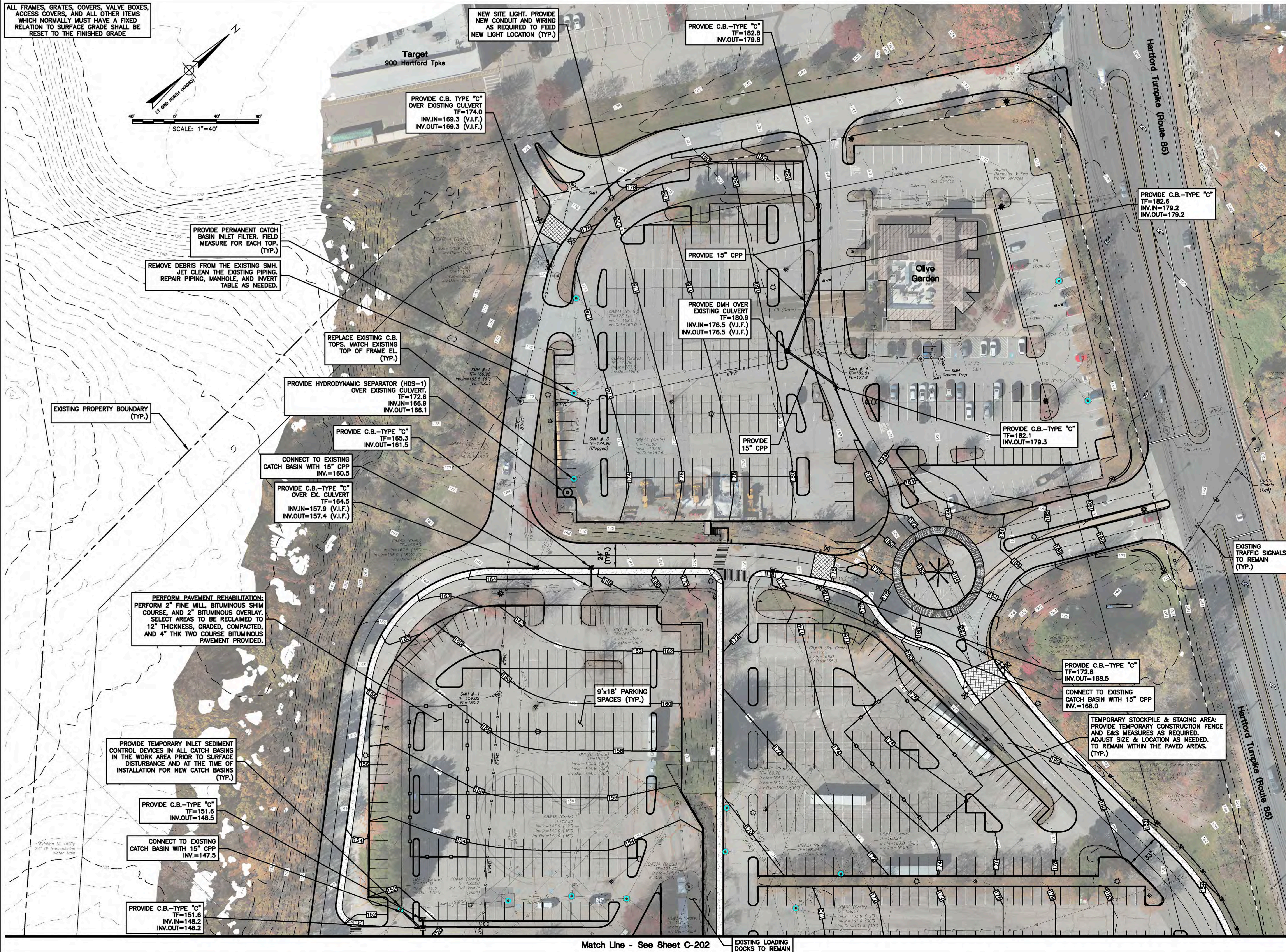
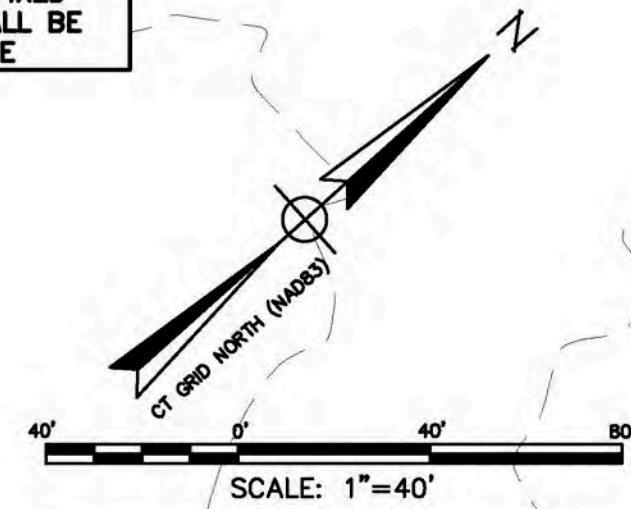


ALL FRAMES, GRATES, COVERS, VALVE BOXES, ACCESS COVERS, AND ALL OTHER ITEMS WHICH NORMALLY MUST HAVE A FIXED RELATION TO SURFACE GRADE SHALL BE RESET TO THE FINISHED GRADE



REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

GRADING, DRAINAGE,
UTILITY, AND E&S PLAN

M:\8000\0100181 - DME Crystal Mall Redevelopment\Drawings\CLA-8185 Crystal Mall Adaptive Reuse - C100 - C206 Site Plans.dwg

NEW SITE LIGHT. PROVIDE
NEW CONDUIT AND WIRING
AS REQUIRED TO FEED
NEW LIGHT LOCATION (TYP.)

REPLACE EXISTING C.B.
TOPS. MATCH EXISTING
TOP OF FRAME EL.
(TYP.)

PROVIDE PERMANENT CATCH
BASIN INLET FILTER. FIELD
MEASURE FOR EACH TOP.
(TYP.)

PROVIDE TEMPORARY INLET SEDIMENT CONTROL DEVICES IN ALL CATCH BASINS IN THE WORK AREA PRIOR TO SURFACE DISTURBANCE AND AT THE TIME OF INSTALLATION FOR NEW CATCH BASINS (TYP.)

MAIN PERSONNEL ENTRANCE

Match Line - See Sheet C-203

9'x18' PARKING
SPACES (TYP.

MACYS
CONVERSION

Loading

Match Line - See Sheet C-204

NEW SITE LIGHT. PROVIDE
NEW CONDUIT AND WIRING
AS REQUIRED TO FEED
NEW LIGHT LOCATION (TYP.)

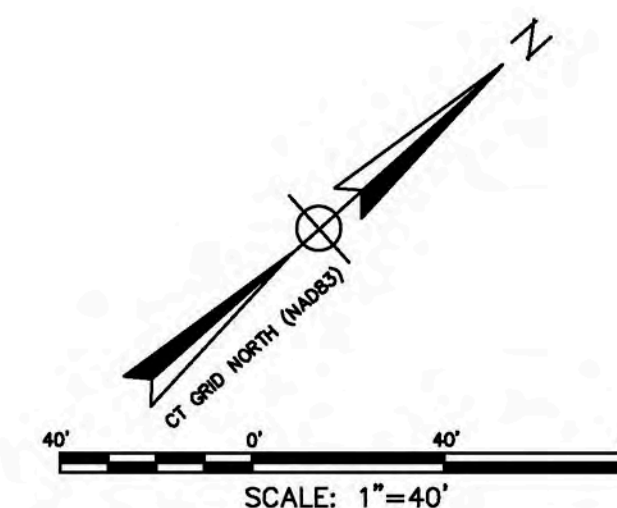
PERFORM PAVEMENT REHABILITATION:
PERFORM 2" FINE MILL, BITUMINOUS SHI
COURSE, AND 2" BITUMINOUS OVERLAY.
SELECT AREAS TO BE RECLAIMED TO
12" THICKNESS, GRADED, COMPACTED,
AND 4" THK TWO COURSE BITUMINOUS
PAVEMENT PROVIDED.

PROVIDE & MAINTAIN A CONTINUOUS LINE
OF SILT FENCE OR STRAW WATTLE
DURING CONSTRUCTION
(TYP.)

EXISTING PROPERTY BOUNDARY
(TYP.)

EXISTING ROCK OUTCROPS
TO REMAIN (TYP.)

TEMPORARY STOCKPILE & STAGING AREA:
PROVIDE TEMPORARY CONSTRUCTION FENCE
AND E&S MEASURES AS REQUIRED.
ADJUST SIZE & LOCATION AS NEEDED.
TO REMAIN WITHIN THE PAVED AREAS.
(TYP.)



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285 NICOLL ST. SUITE 107
NEW HAVEN, CT 06511

PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL
ADAPTIVE REUSE

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

CONSULTANTS

FCA

Architecture
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Planning

LANDSCAPE

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1 HIGH STREET
MYSTIC, CT 06355
860.572.0784
kentfrost.com

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STAMP



KEY PLAN

The key plan map shows a grid of areas labeled C-201 through C-206. The project area, located in the center-right of the map, is shaded gray and labeled C-202. It is bordered by C-201 to the north, C-203 to the west, C-204 to the south, and C-206 to the east. Areas C-205 and C-207 are also shown, with C-205 to the southwest and C-207 to the south of the project area. The map includes a north arrow in the top right corner.

[illegible]

GRADING, DRAINAGE, UTILITY, AND E&S PLAN

DRAWN BY: KJH	C-202
CHECKED BY: KJH	
SCALE: AS NOTED	
PROJECT #: CLA-8185	

EXTEND 6" DI WATER TO NEW
HYDRANT LOCATIONS. PROVIDE
DRESSER COUPLINGS OR
APPROVED EQUAL. (TYP.)

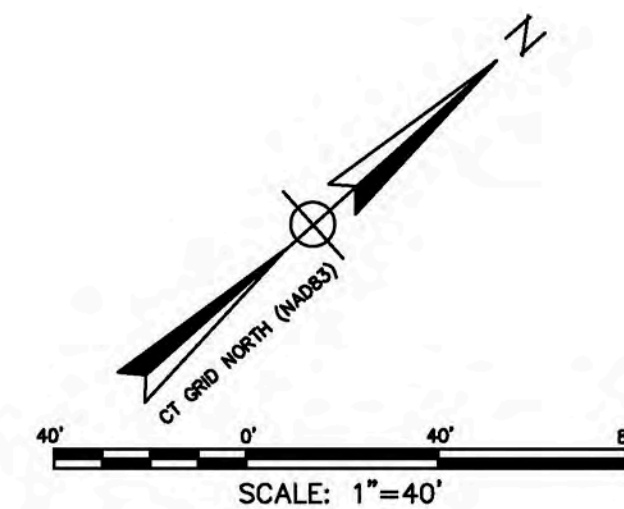
Match Line - See Sheet C-201

NEW SITE LIGHT. PROVIDE
NEW CONDUIT AND WIRING
AS REQUIRED TO FEED
NEW LIGHT LOCATION (TYP.)

✓ **Former
Food Court**

MALL PROPER CONVERSION

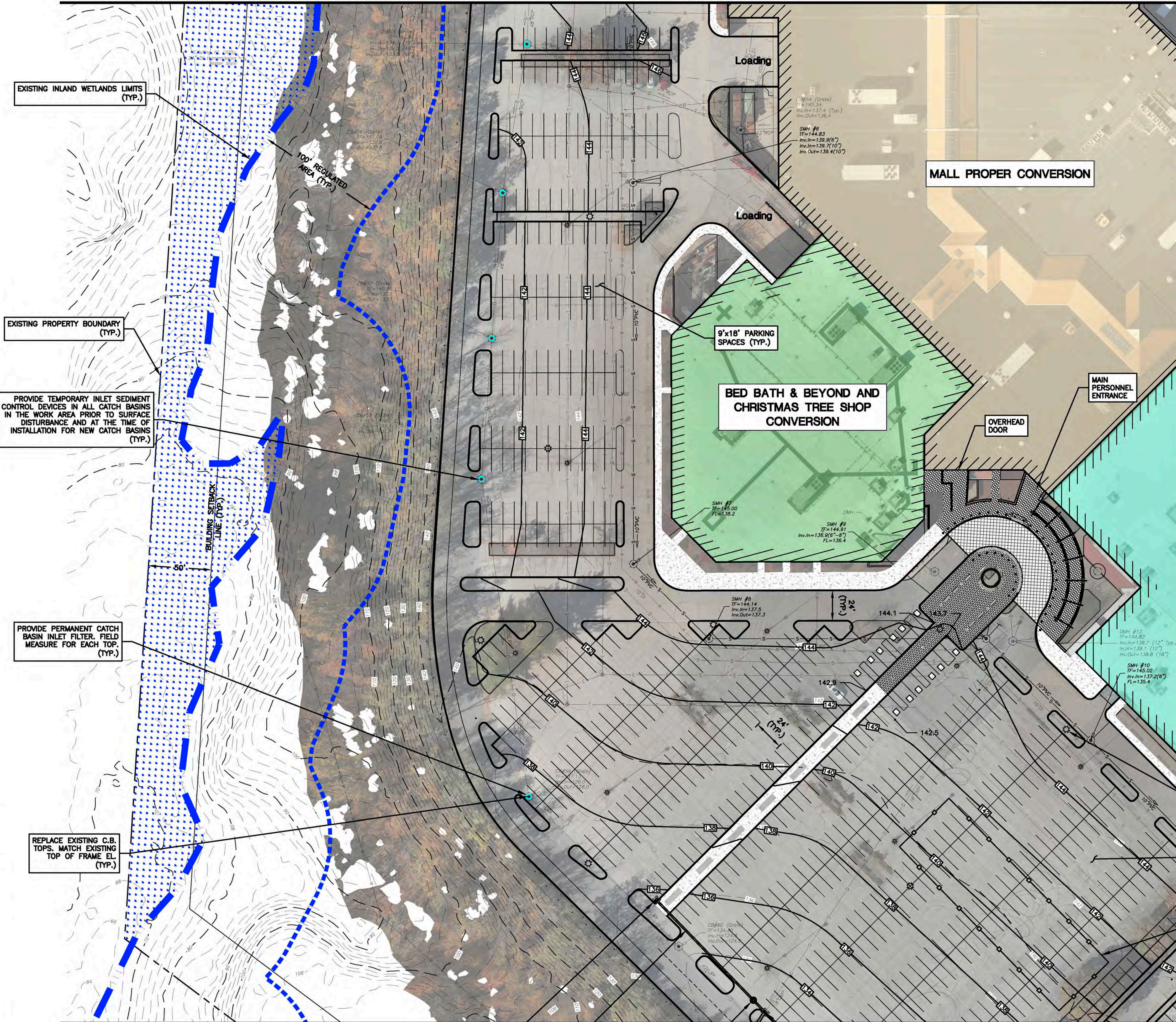
Match Line - See Sheet C-202



C-203

Match Line - See Sheet C-203

Match Line - See Sheet C-203



Match Line - See Sheet C-206

Match Line - See Sheet C-206

ALL FRAMES, GRATES, COVERS, VALVE BOXES, ACCESS COVERS, AND ALL OTHER ITEMS WHICH NORMALLY MUST HAVE A FIXED RELATION TO SURFACE GRADE SHALL BE RESET TO THE FINISHED GRADE

PROVIDE C.B.-TYPE "C"
TF=135.8
INV.IN=132.8
INV.OUT=132.8

PROVIDE 15" CPP

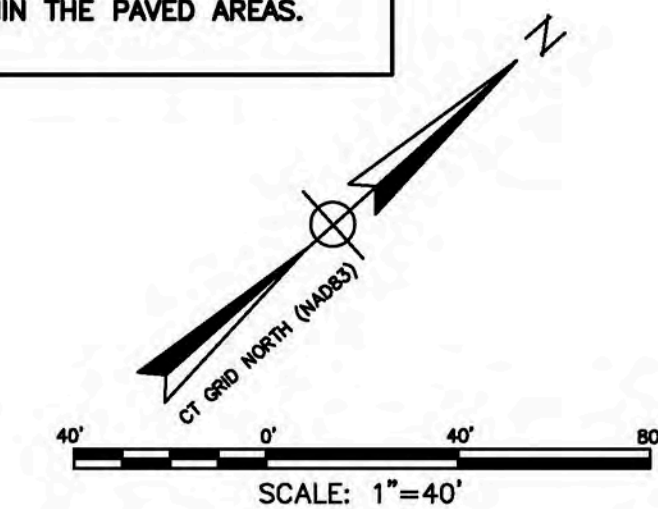
PROVIDE HYDRODYNAMIC SEPARATOR (HDS-4) WITH GRATE INLET
TF=132.6
INV.IN=129.9
INV.OUT=129.9

PROVIDE C.B.-TYPE "C"
TF=132.6
INV.IN=129.6
INV.OUT=129.6

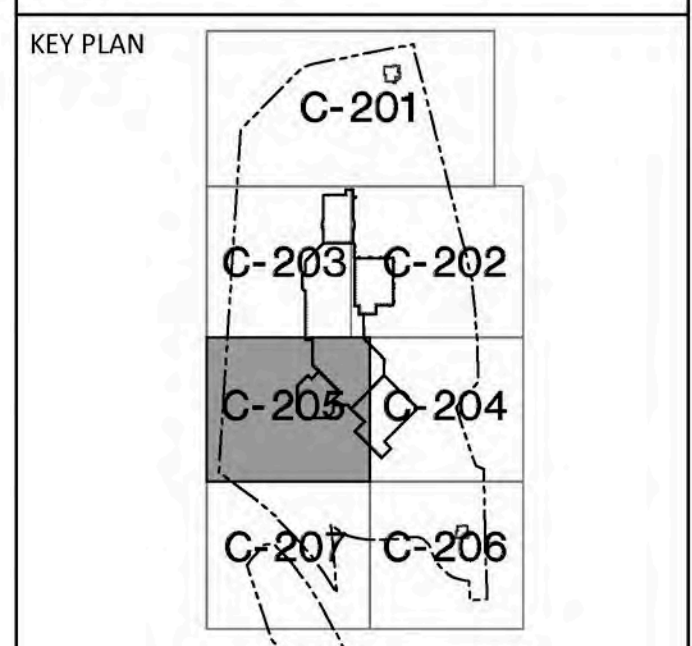
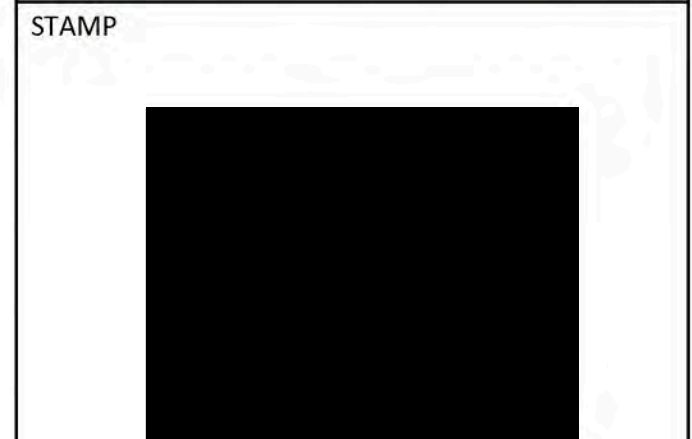
NEW SITE LIGHT. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED TO FEED NEW LIGHT LOCATION (TYP.)

PERFORM PAVEMENT REHABILITATION: PERFORM 2" FINE MILL, BITUMINOUS SHIM COURSE, AND 2" BITUMINOUS OVERLAY. SELECT AREAS TO BE RECLAIMED TO 12" THICKNESS, GRADED, COMPACTED, AND 4" THK TWO COURSE BITUMINOUS PAVEMENT PROVIDED.

TEMPORARY STOCKPILE & STAGING AREA: PROVIDE TEMPORARY CONSTRUCTION FENCE AND E&S MEASURES AS REQUIRED. ADJUST SIZE & LOCATION AS NEEDED. TO REMAIN WITHIN THE PAVED AREAS. (TYP.)

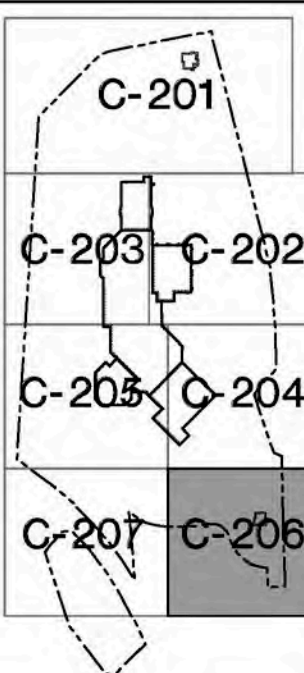
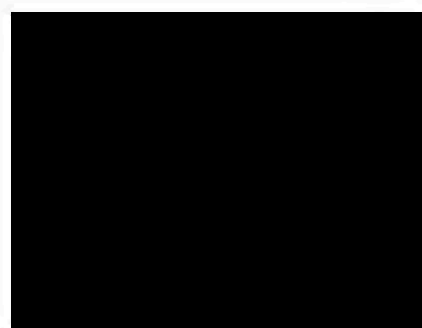


Match Line - See Sheet C-204



REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

**GRADING, DRAINAGE,
UTILITY, AND E&S PLAN**



REV	DESCRIPTION	DATE
1	Zoning Submission	1/26/2026

Match Line - See Sheet C-205 | Match Line - See Sheet C-204

PERFORM PAVEMENT REHABILITATION:
PERFORM 2" FINE MILL, BITUMINOUS SHIM
COURSE, AND 2" BITUMINOUS OVERLAY.
SELECT AREAS TO BE RECLAIMED TO
12" THICKNESS, GRADED, COMPACTED,
AND 4" THK TWO COURSE BITUMINOUS
PAVEMENT PROVIDED.

NEW SITE LIGHT. PROVIDE
NEW CONDUIT AND WIRING
AS REQUIRED TO FEED
NEW LIGHT LOCATION (TYP.)

PROVIDE C.B.-TYPE "C"
TF=132.4
INV.OUT=129.4

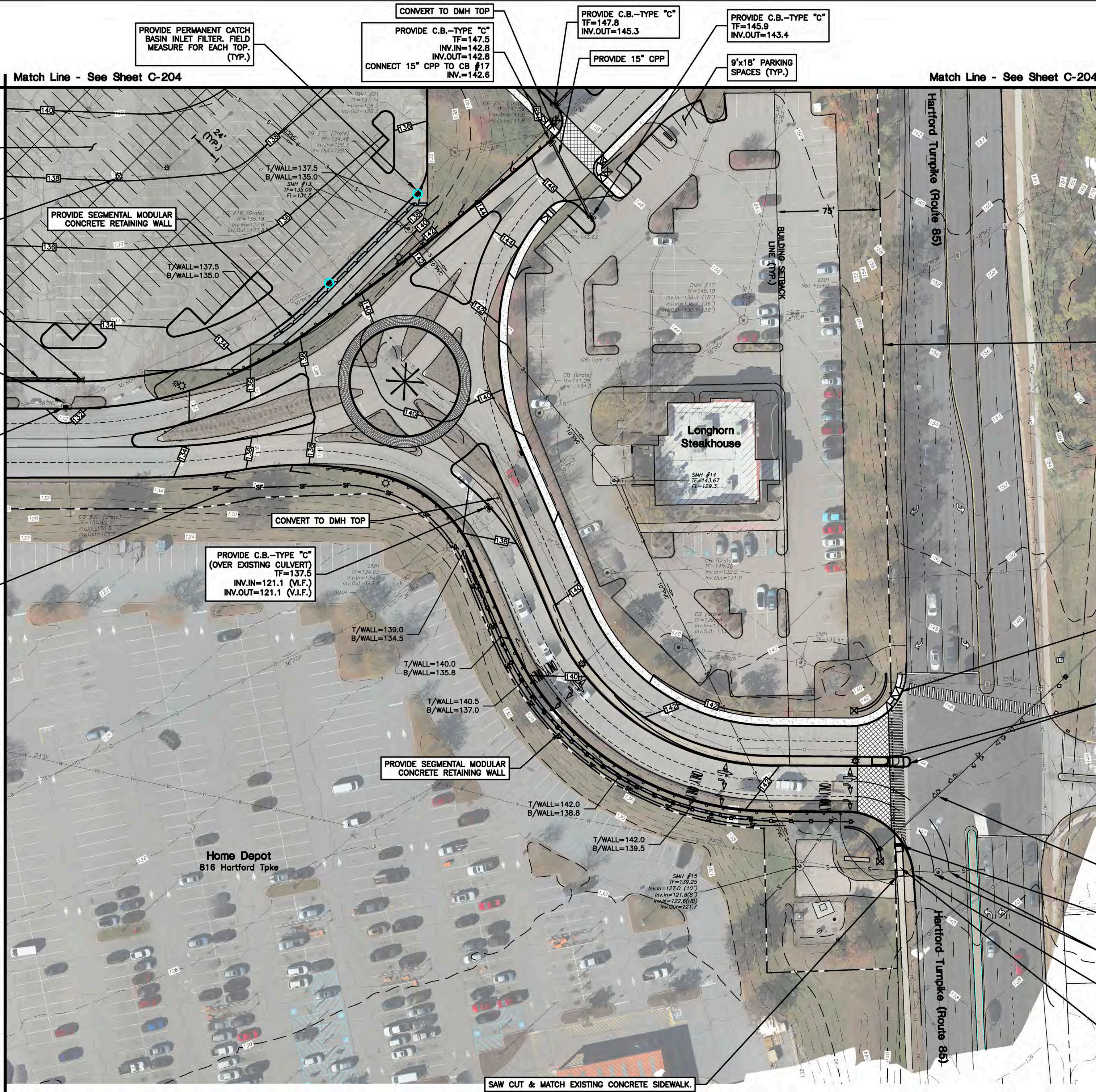
PROVIDE 15" CPP

PROVIDE TEMPORARY INLET SEDIMENT
CONTROL DEVICES IN ALL CATCH BASINS
IN THE WORK AREA PRIOR TO SURFACE
DISTURBANCE AND AT THE TIME OF
INSTALLATION FOR NEW CATCH BASINS
(TYP.)

REPLACE EXISTING C.B. TOP
WITH NEW DI CURB TOP.
MATCH EXISTING TF EL.
PROVIDE PAVED APRON TO
THE NEW TOP. (TYP.)

PROVIDE & MAINTAIN A CONTINUOUS LINE
OF SILT FENCE OR STRAW WATTLE
DURING CONSTRUCTION
(TYP.)

Match Line - See Sheet C-207



EXISTING PROPERTY BOUNDARY
(TYP.)

PROVIDE SIDEWALK RAMP:
DOT TYPE 7

CUT BACK EXISTING ISLAND.
PROVIDE NEW CONCRETE CURB & ISLAND.
SEE LANDSCAPE PLANS.
PROVIDE PEDESTRIAN REFUGE TYPE 22

EXISTING SIGNAL TO BE MODIFIED
FOR NEW RIGHT TURN LANE. TO
BE COORDINATED WITH CTDOT
AS PART OF THE CTDOT ROUTE
85 CORRIDOR SIGNAL UPGRADES.

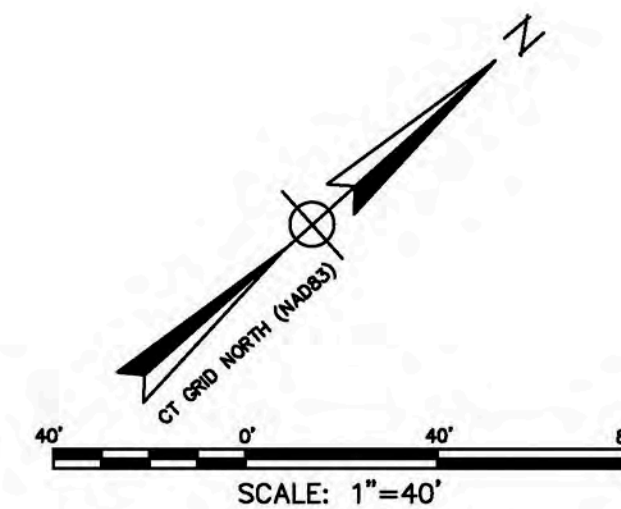
PROVIDE SIDEWALK RAMP:
DOT TYPE 16

MATCH TO EXISTING LANE WIDTHS
(TYP.)

END CURB AT EXISTING DRIVEWAY APRON

PROVIDE 5' WIDE CONCRETE SIDEWALK

SAW CUT & MATCH EXISTING CONCRETE SIDEWALK.



ALL FRAMES, GRATES, COVERS, VALVE BOXES,
ACCESS COVERS, AND ALL OTHER ITEMS
WHICH NORMALLY MUST HAVE A FIXED
RELATION TO SURFACE GRADE SHALL BE
RESET TO THE FINISHED GRADE



PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL ADAPTIVE REUSE

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

CONSULTANTS

FCA

Architecture
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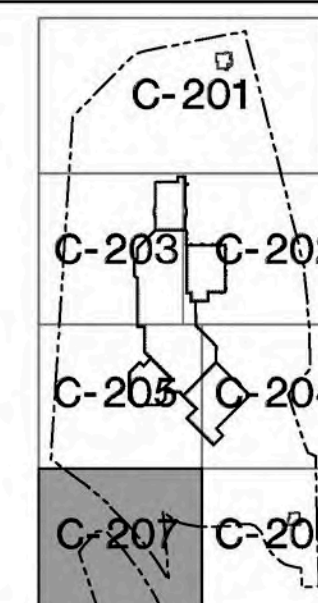
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STAMP



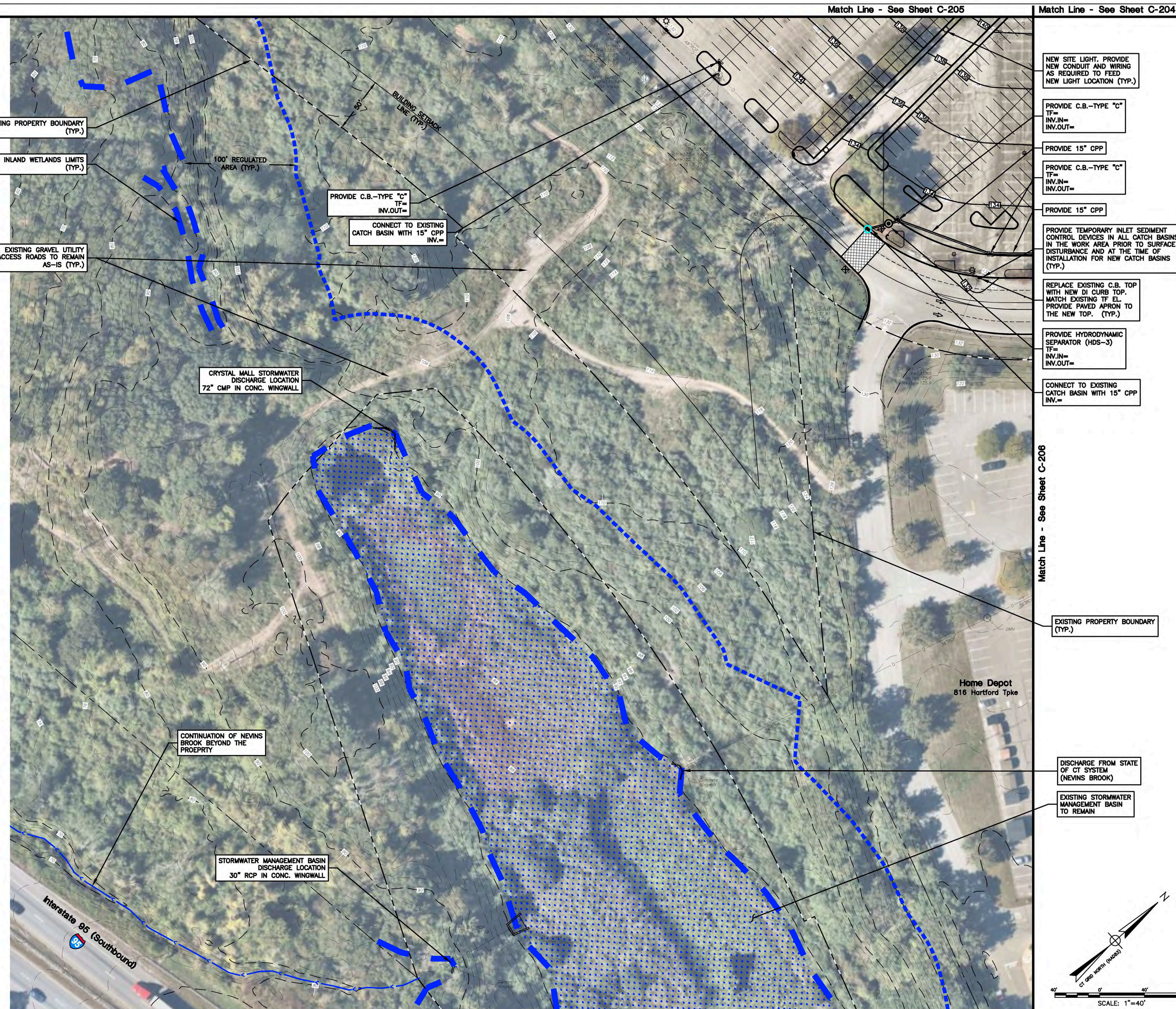
KEY PLAN

[illegible]

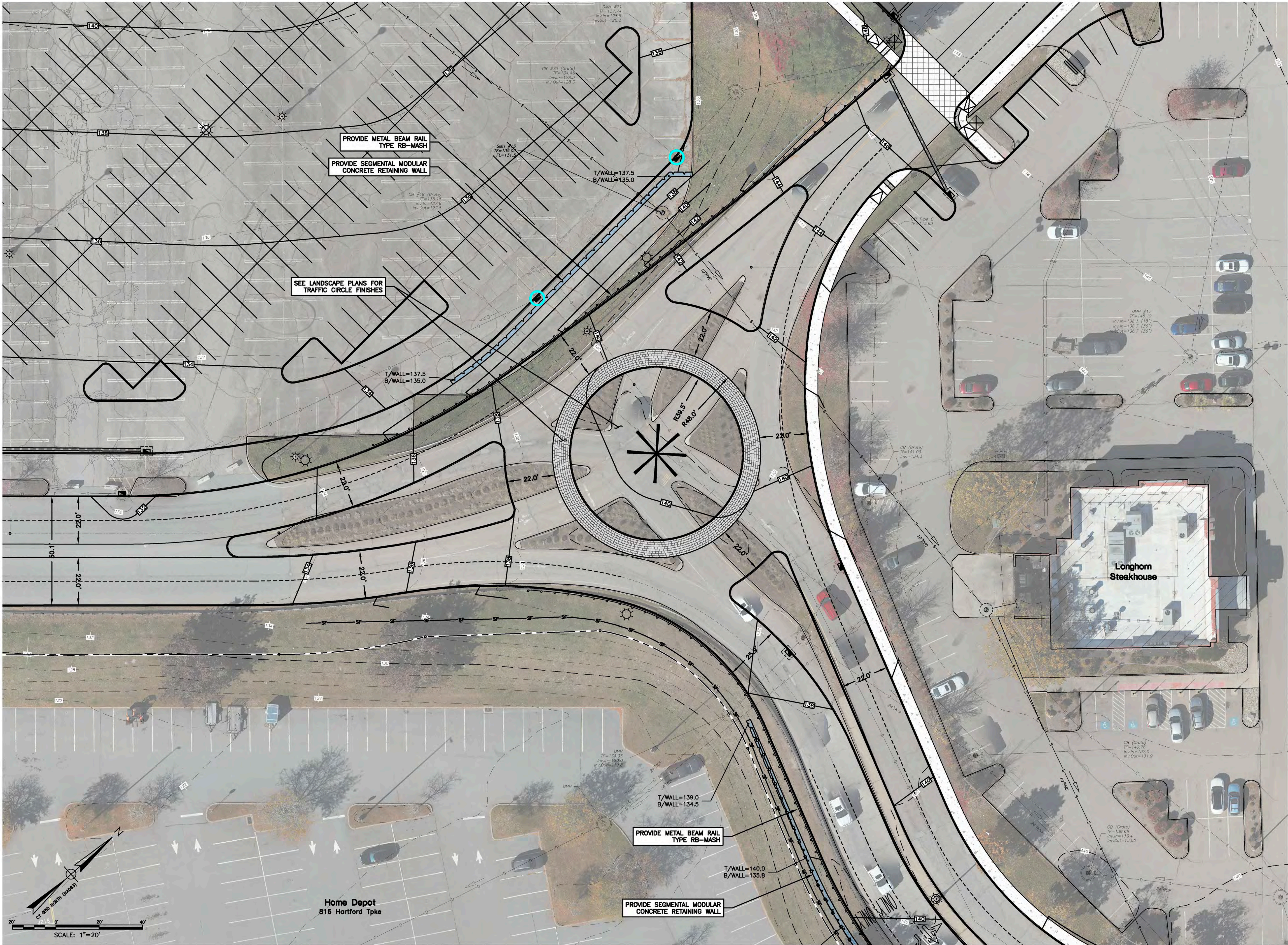
GRADING, DRAINAGE, UTILITY, AND E&S PLAN

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8

C-207



ALL FRAMES, GRATES, COVERS, VALVE BOXES, ACCESS COVERS, AND ALL OTHER ITEMS WHICH NORMALLY MUST HAVE A FIXED RELATION TO SURFACE GRADE SHALL BE RESET TO THE FINISHED GRADE



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285 NICOLL ST, SUITE 107
NEW HAVEN, CT 06511

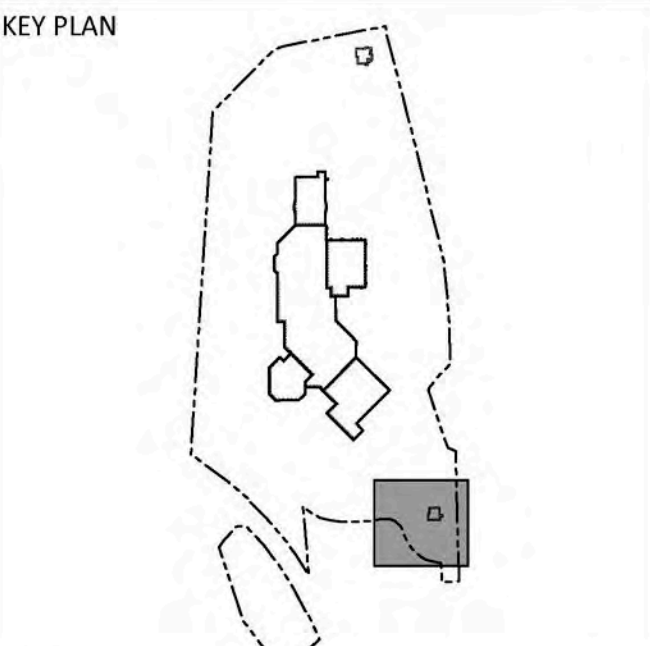
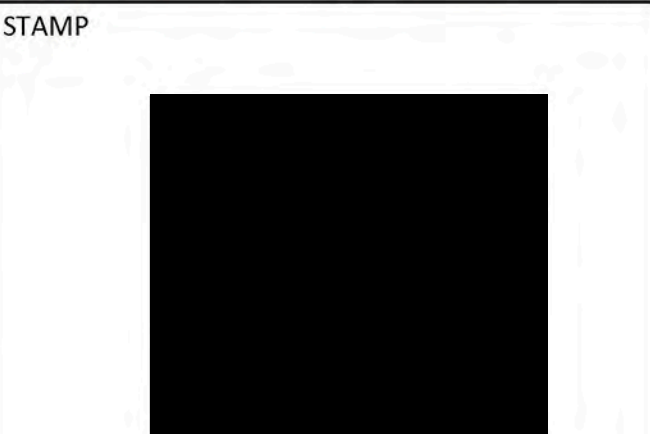
PROJECT
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Electric Boat

**CRYSTAL MALL
ADAPTIVE REUSE**

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WATERFORD, CT 06385

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ARCHITECTURE
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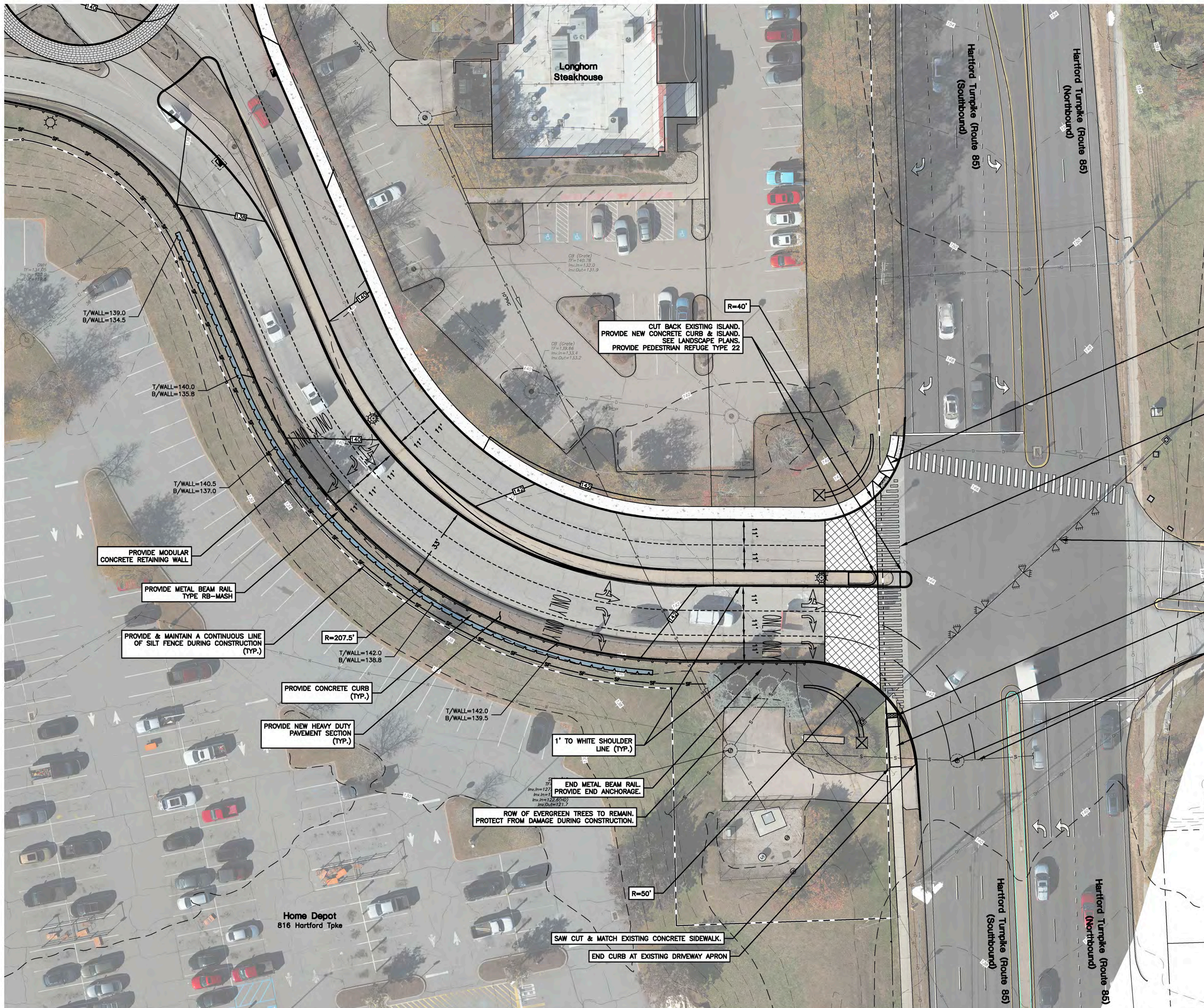


REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

**SOUTHERN TRAFFIC CIRCLE
DETAIL PLAN**

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8185

C-301



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285 NICOLL ST, SUITE 107
NEW HAVEN, CT 06511

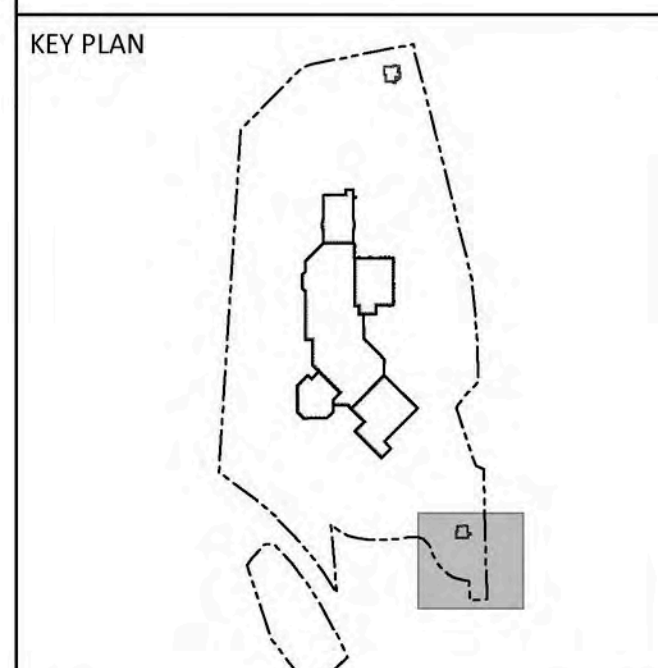
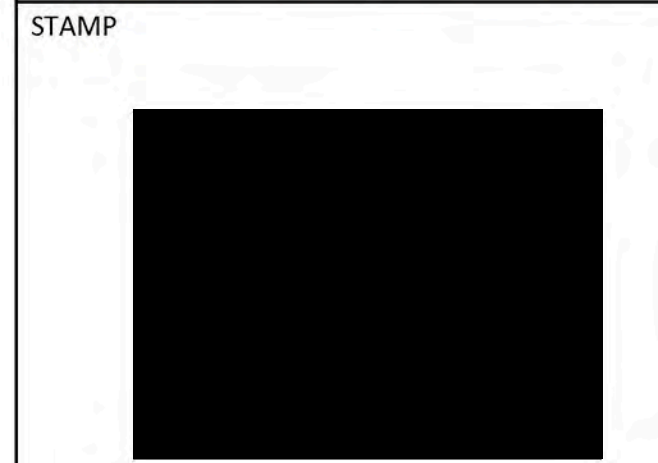
PROJECT
GENERAL DYNAMICS
Electric Boat

**CRYSTAL MALL
ADAPTIVE REUSE**

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

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REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

**SOUTHERN DRIVEWAY
DETAIL SITE PLAN**

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8185

C-302

M:\8000\01008185 - DME Crystal Mall Adaptive Reuse\Drawings\CA-8185 Crystal Mall Adaptive Reuse - C100-C205 Site Plans.dwg



DME DESIGN LLC
285 NICOLL ST, SUITE 107
NEW HAVEN, CT 06511

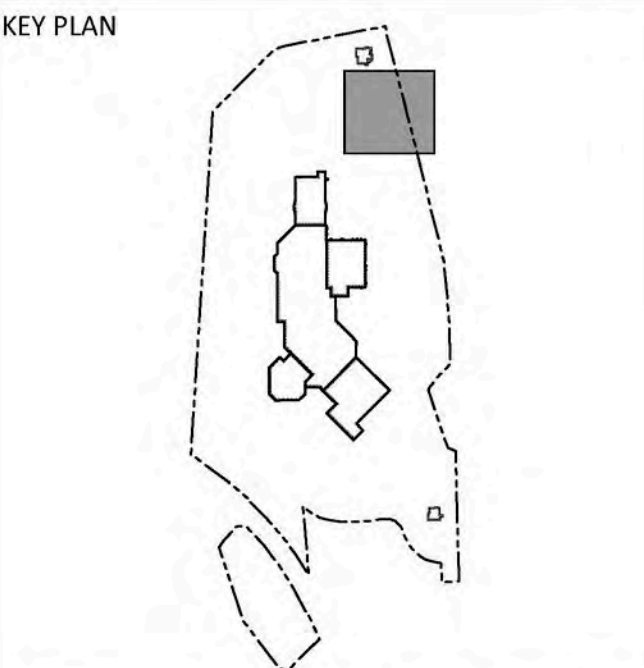
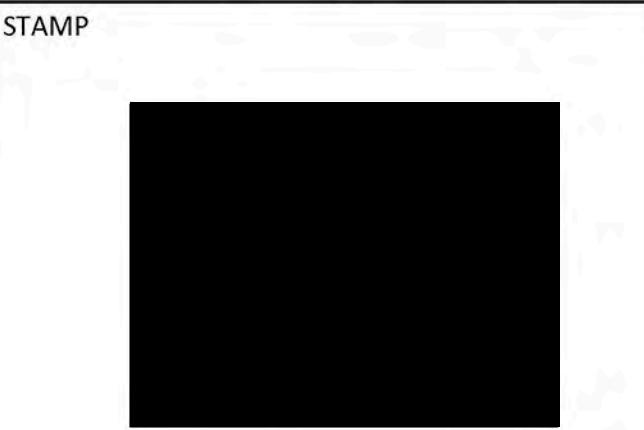
PROJECT
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Electric Boat

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REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

NORTHERN TRAFFIC CIRCLE
DETAIL PLAN

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8185

C-303



KEY PLAN

REV	DESCRIPTION	DATE
	Zoning Submission	1/26/2026

**CT ROUTE 85 AND
INTERSTATE 95
INTERCHANGE
IMPROVEMENTS**

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" EFFECTIVE MARCH 30, 2024 BY THE COUNCIL ON SOIL AND WATER CONSERVATION IN COLLABORATION WITH CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. TOWN STAFF SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION TO INSPECT SEDIMENTATION AND EROSION CONTROL MEASURES
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTES).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED. A DETAIL IS PROVIDED FOR A STANDARD STONE AND HAY BALE DEWATERING STRUCTURE TO BE SIZED BASED ON THE CONTRACTORS PUMP DISCHARGE. THE CONTRACTOR MAY PROPOSE AN ALTERNATE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER.
9. CONTINUOUS DUST CONTROL USING CALCIUM CHLORIDE, WATER OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH POLED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
10. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING OR STABILIZED HYDROSEED SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED THREE HORIZONTAL TO ONE VERTICAL (3:1) OR MORE.
11. IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
12. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
13. INSPECTIONS: THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SLOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
14. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
15. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
16. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" EFFECTIVE MARCH 30, 2024 BY THE COUNCIL ON SOIL AND WATER CONSERVATION IN COLLABORATION WITH CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
17. THE OWNER SHALL BE RESPONSIBLE FOR THE OPERATIONS AND MAINTENANCE OF THE EROSION AND SEDIMENTATION CONTROLS. THE LOCAL REPRESENTATIVE CONTACT INFORMATION WILL BE PROVIDED TO THE TOWN PRIOR TO THE START OF CONSTRUCTION.

THE WORK AREA IS GENERALLY COMPOSED OF THE FOLLOWING SOIL TYPES:

3	RIDGEBURY, LEICESTER, AND WHITMAN SOIL
	0-8 PERCENT SLOPES, EXTREMELY STONY
50B	SUTTON FINE SANDY LOAM
	3-8 PERCENT SLOPES

1. TRENCH EXCAVATION AND STRUCTURE EXCAVATION METHODS SHALL GENERALLY CONFORM TO SECTION 2.02.03 AND 2.03.03 OF DOT FORM 819 RESPECTIVELY.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF WORKERS AND COMPLIANCE WITH ALL OSHA STANDARDS AND REGULATIONS.
3. EXCAVATIONS SHALL CONFORM TO THE TRENCHING AND EXCAVATION REQUIREMENTS OF 29 CFR 1926 SUBPART P – EXCAVATIONS, IN PARTICULAR STANDARDS 1926.650 THROUGH 1926.652.
 - A. TRENCHES LESS THAN 5 FEET DEEP – THE CONTRACTOR'S COMPETENT PERSON SHALL CONTINUOUSLY EVALUATE THE EXCAVATION AND DETERMINE IF A PROTECTIVE SYSTEM IS REQUIRED IN ACCORDANCE WITH OSHA STANDARDS.
 - B. TRENCHES 5 FEET DEEP OR GREATER – PROTECTIVE SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH OSHA STANDARDS.
5. EXCAVATION DEWATERING SHALL GENERALLY CONFORM TO CHAPTER 5 OF THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 - A. GROUNDWATER ENCOUNTERED DURING TRENCH EXCAVATION SHALL BE PUMPED AWAY FROM THE WORK AREA. A CLEAR WATER DISCHARGE MUST BE PROVIDED.
 - B. WATER SHALL BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE. THE DISCHARGE LOCATION SHALL BE IDENTIFIED PRIOR TO THE START OF PUMPING. THE LOCATION SHALL BE EVALUATED TO ENSURE THAT THERE WILL BE NO DAMAGE TO DOWNSTREAM ENVIRONMENTALLY SENSITIVE AREAS OR PROPERTIES.
 - C. THE PUMP SUCTION INTAKE OR SUCTION HOSE SHALL BE FURNISHED WITH A STRAINER TO PROTECT AGAINST PUMPING BOTTOM SEDIMENTS. WHERE FINE SOIL IS ENCOUNTERED IN THE TRENCH ABOVE CRUSHED STONE AROUND THE SUCTION INTAKE. SEE FIGURE 5-86 OF THE 2024 E&S MANUAL.
 - D. IF CLEAR WATER IS BEING PUMPED FROM THE TRENCH, THE DISCHARGE MAY BE THROUGH A SUITABLE CRUSHED STONE ENERGY DISSIPATER, OR OTHER SUITABLE STRUCTURE TO PREVENT EROSION AT THE PUMP DISCHARGE. THE DISCHARGE SHALL BE TO A STABLE, NON-ERODIBLE SURFACE.
 - E. IF SILT IS PRESENT IN THE DISCHARGE WATER, INSTALL AN ACF ENVIRONMENT "DIRTBAG" DEWATERING BAG SIZED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS FOR THE PUMP DISCHARGE RATE.
 - F. UNFORESEEN PROBLEMS SHALL BE SOLVED IN ACCORDANCE WITH CHAPTER 5 OF THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

DURING CONSTRUCTION

POLLUTION PREVENTION TEAM:
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.

2. **SWEEPING:**
PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES BEYOND THE WORK SITE SHALL BE SWEEPED CLEAN OF SAND, SILT AND LITTER DAILY AT THE END OF THE WORK DAY.

3. **OUTSIDE STORAGE:**
ACCESSORIES OR EQUIPMENT STORED OUTSIDE SHALL BE COVERED OR MAINTAINED TO MINIMIZE POSSIBILITY OF THESE MATERIALS OR THEIR RESIDUE PASSING TO STORM WATER.

4. **WASHING:**
NO WASHING OF VEHICLES, ACCESSORIES, EQUIPMENT, OR APPLIANCES IN WORK SITE.

5. **MAINTENANCE AND INSPECTION:**

A. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY RAINFALL OF $\frac{1}{2}$ " OR MORE OR SIGNIFICANT SNOW MELT.

B. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.

C. DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED SURFACES.

6. **SPILLS OR ACCIDENTAL DISCHARGES:**

A. COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.

B. CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338

C. THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:

a. STOP THE SOURCE OF THE SPILL

b. CONTAIN THE SPILL

c. COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.

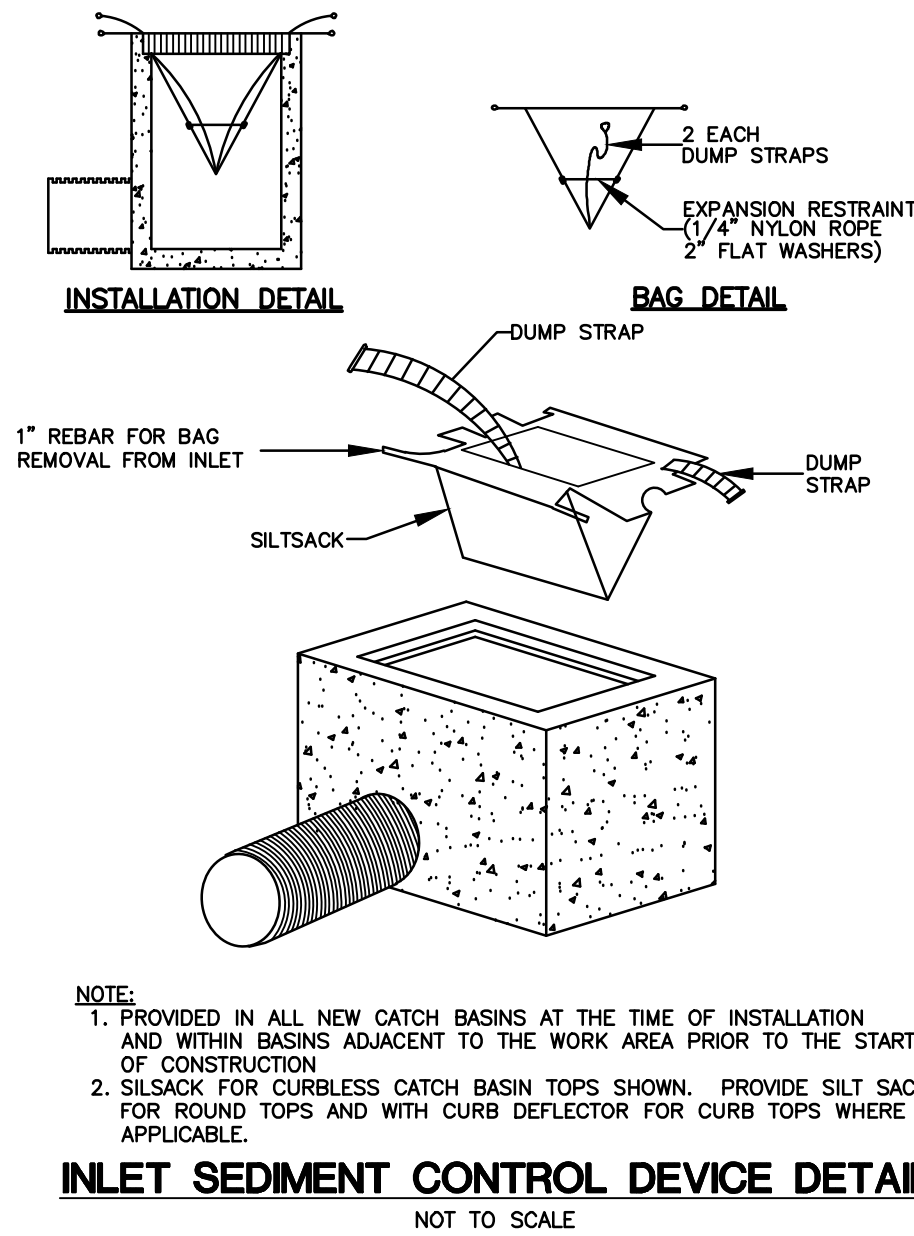
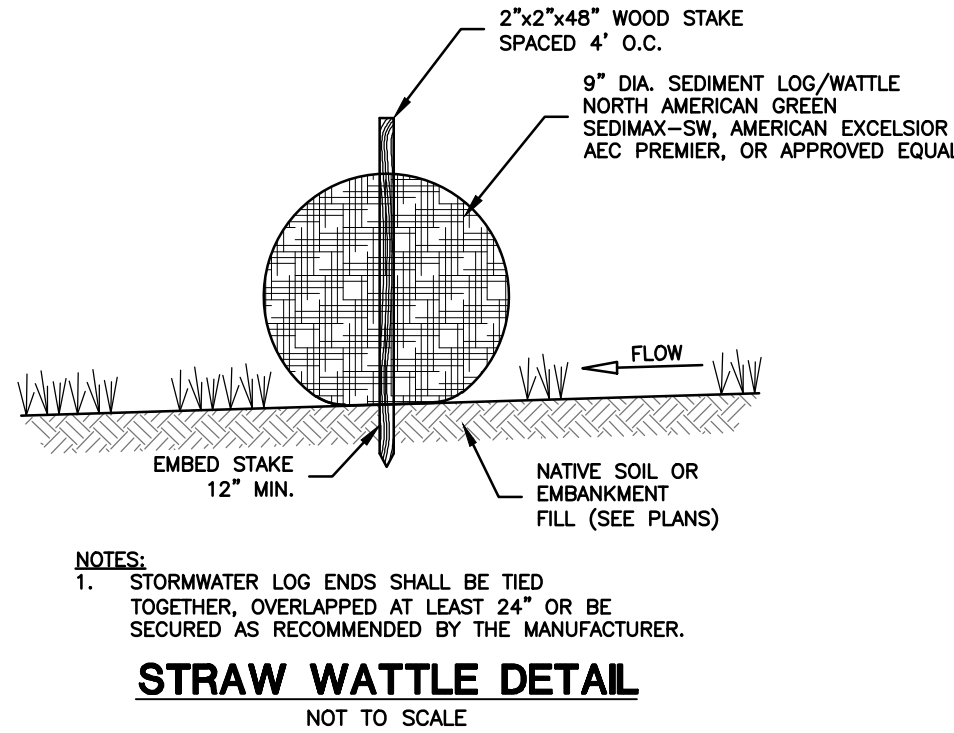
d. DISPOSE OF ABSORBER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

- THE OWNER SHALL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.
2. **SWEEPING:**
PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEPED CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE PER YEAR.
 - A. BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
 - B. DURING APRIL (AFTER SNOW MELT)
3. **OUTSIDE STORAGE:**
ACCESSORIES OR EQUIPMENT STORED OUTSIDE SHALL BE COVERED OR MAINTAINED TO MINIMIZE POSSIBILITY OF THESE MATERIALS OR THEIR RESIDUE PASSING TO STORM WATER.
4. **WASHING:**
NO WASHING OF VEHICLES, ACCESSORIES, EQUIPMENT OR APPLIANCES IN PARKING AREAS.
5. **MAINTENANCE AND INSPECTION:**
 - A. PERFORM AN INSPECTION OF STORMWATER STRUCTURES AND OUTFALLS TWICE PER YEAR.
 - B. CLEAN SEDIMENT AND DEBRIS FROM STRUCTURES AT LEAST ONCE PER YEAR DURING APRIL.
 - C. **STORMWATER MANAGEMENT BASIN:**
 - a. REMOVE ACCUMULATED SEDIMENT & LEAF LITTER FROM THE INLETS TWICE YEARLY. BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL) AND DURING APRIL (AFTER SNOW MELT).
 - b. PERFORM YEARLY INSPECTION FOR EMBANKMENT EROSION AND RESTORE AS NEEDED.
 - c. REVIEW YEARLY FOR INVASIVE SPECIES.
6. **SPILLS OR ACCIDENTAL DISCHARGES:**
 - A. COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.
 - B. CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338
 - C. THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
 - a. STOP THE SOURCE OF THE SPILL
 - b. CONTAIN THE SPILL
 - c. COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
 - d. DISPOSE OF ABSORBENT IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

Maintenance Schedule for Existing Stormwater Management Basins	
Activity	Schedule
- Inspect for damage, undercut, or eroded area - Monitor for sediment accumulation	Semi-Annual inspection
- Repair undercut or eroded areas. - Clean and remove debris & sediment from inlet and outlet structures	As needed maintenance
- Inspect and clean debris & sediment in the basin - Clean and remove debris from inlets	Semi-annual

Maintenance Schedule for Catch Basin Inlet Filters	
Activity	Schedule
- Inspect inlet filters for accumulated sediment - Inspect oil skimmer pouches for solidification and color - Inspect the filter bag for punctures, tears, or other damage	Quarterly
Remove sediment when accumulation reaches $\frac{1}{2}$ of the filter volume. Use industrial vacuum or replace the filter bags. Replace oil skimmer pads when they have solidified or turned black Replace damaged filter bags	As needed maintenance As observed at quarterly inspections

Maintenance Schedule for Parking Areas	
Activity	Schedule
Sweep parking lots & impervious areas	- Between November 1st and December 1st (after leaf fall) - During April (after snow melt)
Remove and dispose of trash and debris onsite	Daily - As needed maintenance



PROJECT

GENERAL DYNAMICS
Electric Boat

**CRYSTAL MALL
ADAPTIVE REUSE**

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

STAMP

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CHECKED BY: KJH	
SCALE: AS NOTED	
PROJECT #: CLA-8185	

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2

ADS FLEXSTORM PURE FULL TRASH CAPTURE INLET FILTERS

14 GA. 304 SS PERFORATED BASKETS
(5MM OPENINGS / 50% OPEN AREA)

OVERFLOW BYPASS AREA EXCEEDS
FLOW RATE OF DRAINAGE LOCATION

LIFT HANDLES

304 SS FRAMING

Clear Opening Size	Style P/N	Min. Bypass Flow Rate (CFS)	Min. Empty Treated Flow (CFS)	Min. Storage Capacity (Cu.Ft.)
Small: Up to 64" Perimeter	62SHDRFTC	1.6	6.8	0.7
Medium: 65" - 96" Perimeter	62MHDFTC	2.7	12.2	1.7
Large: 97" - 120" Perimeter	62LHDFTC	3.8	18.6	3.1
Extra-Large: 121" or Greater Perimeter	62XLHDFTC	7.2	25.1	5.0

Clear Opening Size	Style P/N	Min. Bypass Flow Rate (CFS)	Min. Empty Treated Flow (CFS)	Min. Storage Capacity (Cu.Ft.)
Small: 10" - 16" Dia.	62SHDRFTC	1.6	4.9	0.5
Medium: 17" - 24" Dia.	62MHDFTC	2.7	9.4	1.3
Large: 25" - 36" Dia.	62LHDFTC	3.8	16.2	2.7

Curb Opening Size	Style P/N	Min. Empty Treated Flow (CFS)	Min. Storage Capacity (Cu.Ft.)
1' - 4" Width (1-Piece Set)	62HDWM1FTC	5.7	0.9
4' - 8" Width (2-Piece Set)	62HDWM2FTC	22.8	3.6
8' - 12' Width (3-Piece Set)	62HDWM3FTC	45.6	7.2
12' - 16' Width (4-Piece Set)	62HDWM4FTC	68.4	10.8

INSTALLATION INSTRUCTIONS:

1. REMOVE GRATE
2. CLEAN GRATE LEDGE
3. SET INLET FILTER ON LOAD BEARING LEGS OF STRUCTURE
4. REPLACE GRATE

NOTES:

1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL.
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. ADS DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING, CONFIRMATION OF THE INLET SPECIFICATION, PRECAST/CASTING CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE AN INLET FILTER.
4. ALL FILTERS MEET ASTM D8057 SPECIFICATIONS.
5. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.ADSPIPE.COM.

ALL PRODUCTS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS
WWW.ADSPIPE.COM
 PH. 1-800-821-6710

Our mission is customer™

SIZE DATE DWG NO
 C 02/06/2023 ADS FLEXSTORM PURE (FTC)

SCALE: N/A

REV A

SHEET 1 OF 1

4
3
2

FlexStorm Pure inlet filters are the preferred choice for permanent inlet protection and stormwater runoff control. Constructed of stainless steel, FlexStorm Pure inlet filters will fit any drainage structure and are available with site-specific filter bags providing various levels of filtration.

- Car washes
- Commercial
- Loading ramps
- Industrial

- Custom stainless steel frames are configured to fit into any drainage structure
- Flow and bypass rates meet specific inlet requirements
- Works below grade with bypass to drain area if bag is full
- Installed and maintained by one worker, without additional equipment

- Parking lots
- Dock drains
- Maintenance

- Stainless steel frame provides extended service life
- Easily replaceable filter bags
- Meets stringent removal requirements:
 - All bags rated >84% removal efficiency
 - Bag styles available to remove hydrocarbon oils when required



FlexStorm Pure, for permanent applications, has three filter bag options available to meet your specific needs. They have varying degrees of TSS and hydrocarbon oil removal properties.

ENVIRONMENTAL DIFFERENCE



FX	TSS Filtration Efficiency = 85%
PCP	TSS Filtration Efficiency = 97%

[†] Large scale, 3rd party testing per ASTM D 7351 modified for inlet filters

Gentextile | 2009.2

Bag Type (P/N)	Flow Rate (GPM/SqFt)	Min. A. (US E)
Woven (FX/FXP)	200	40
Post Construction (PCP)	137	140

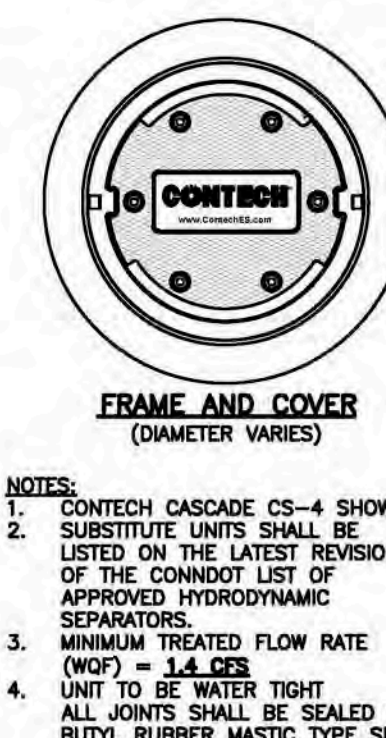
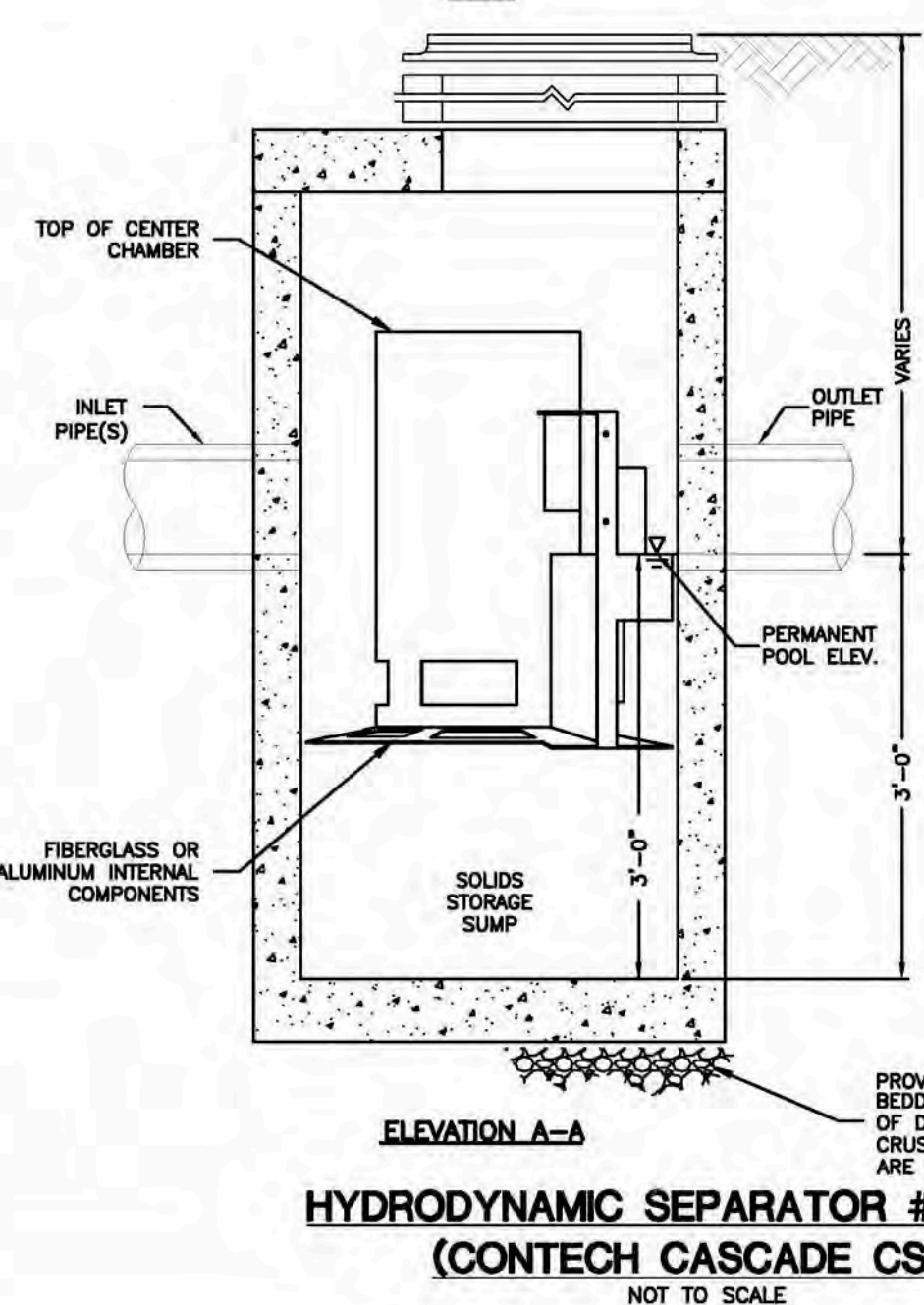
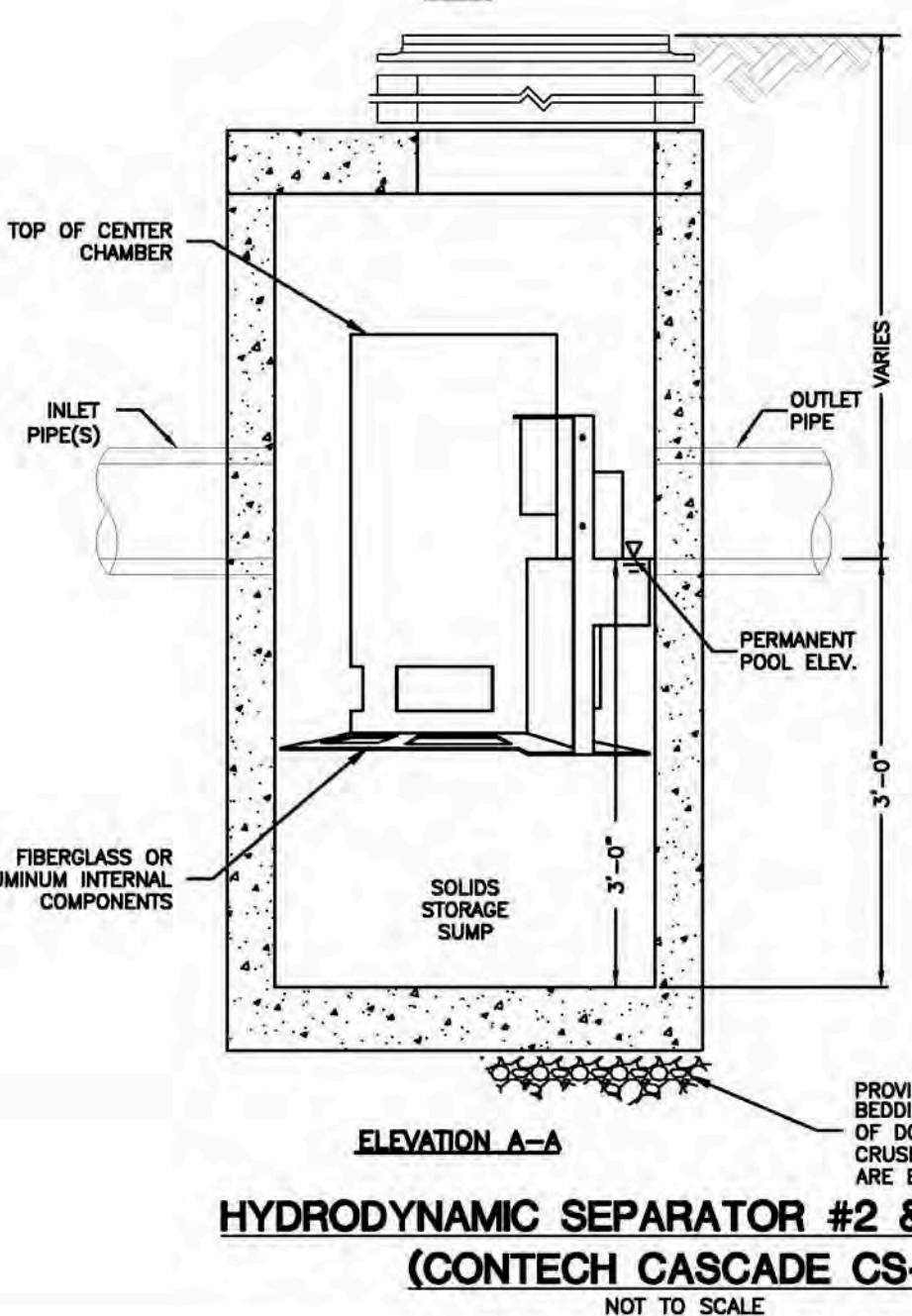
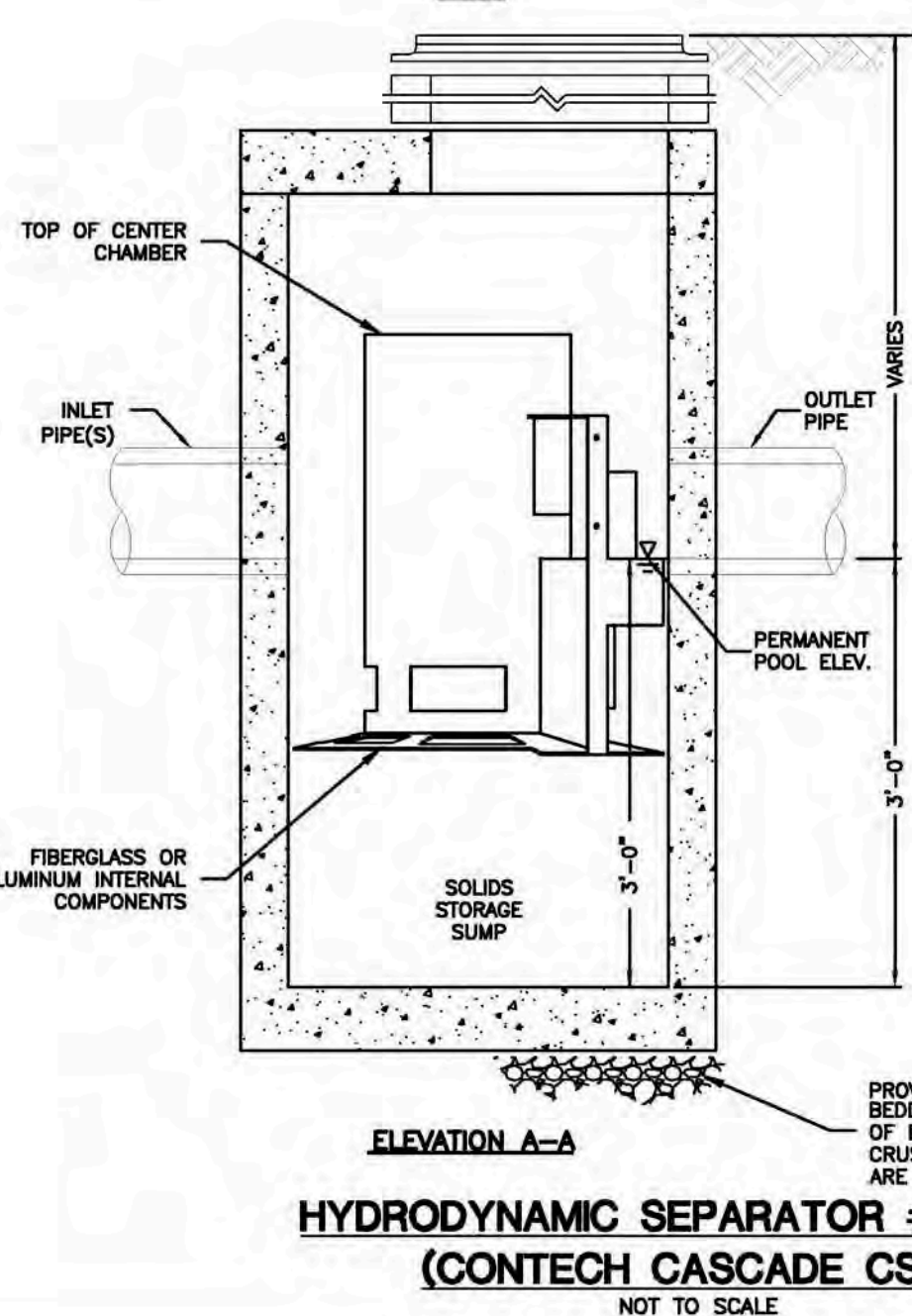
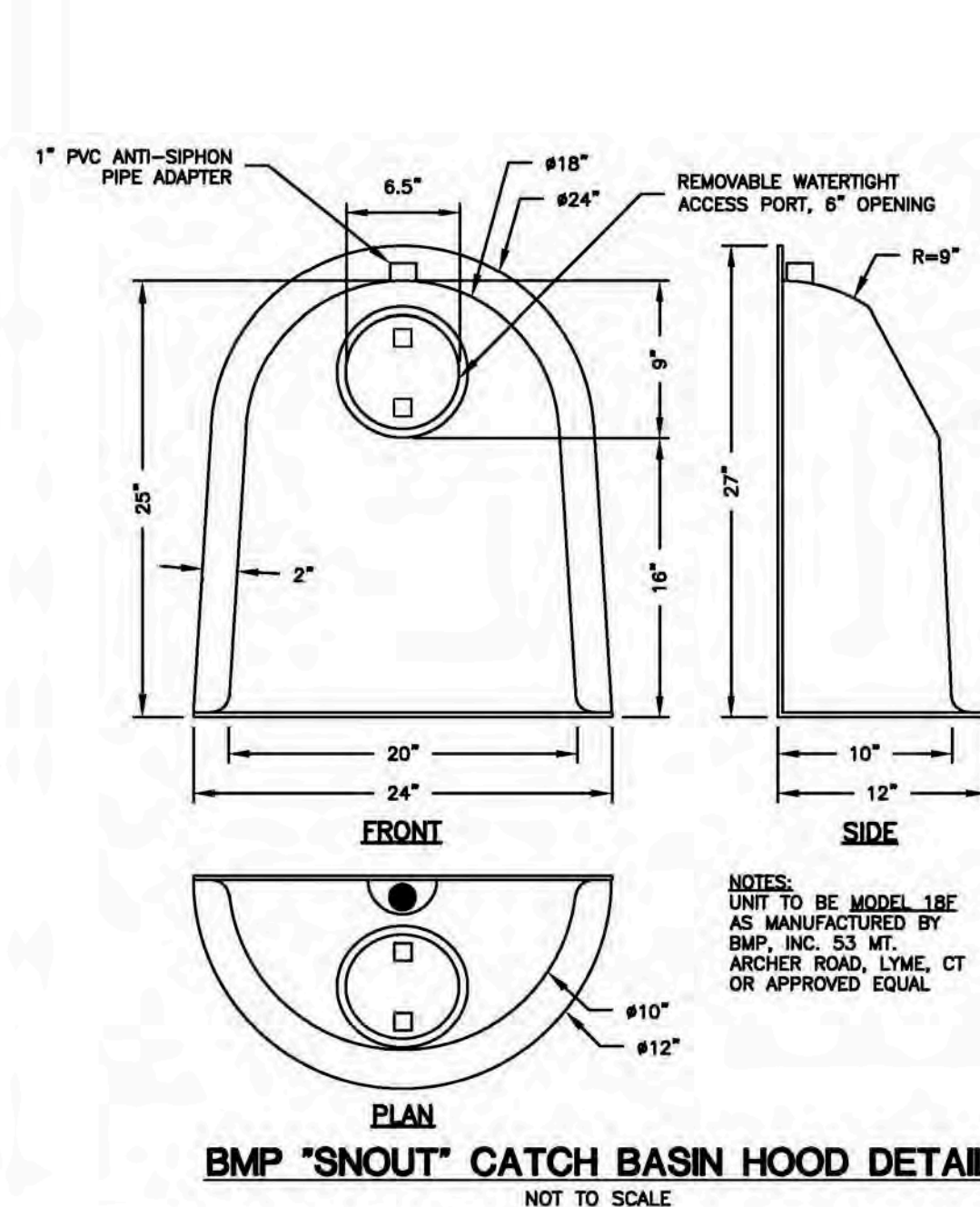
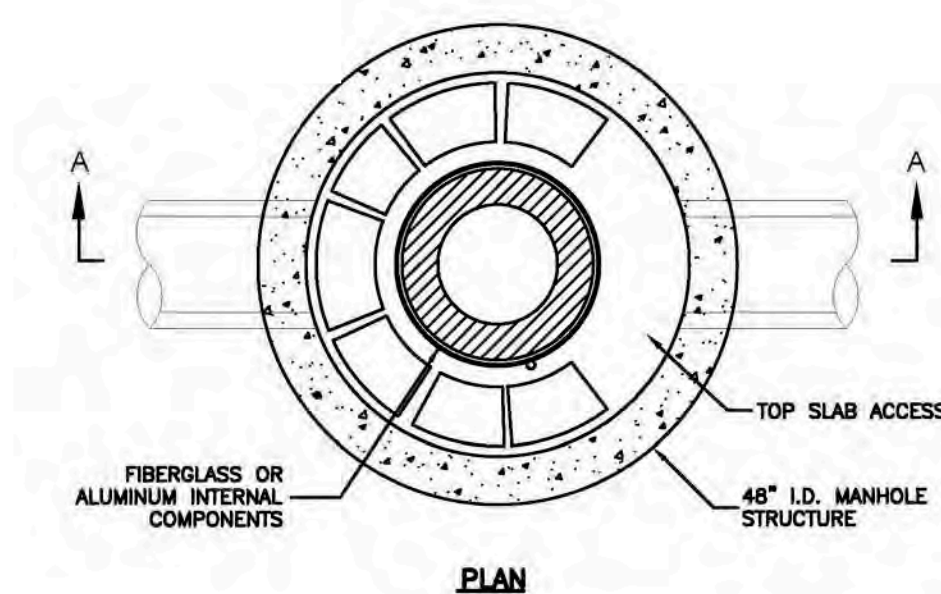
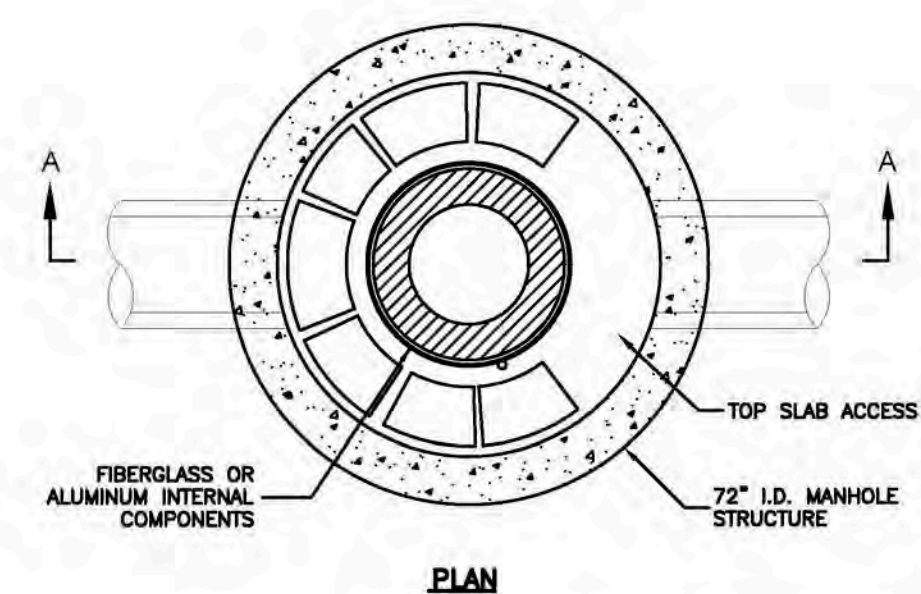
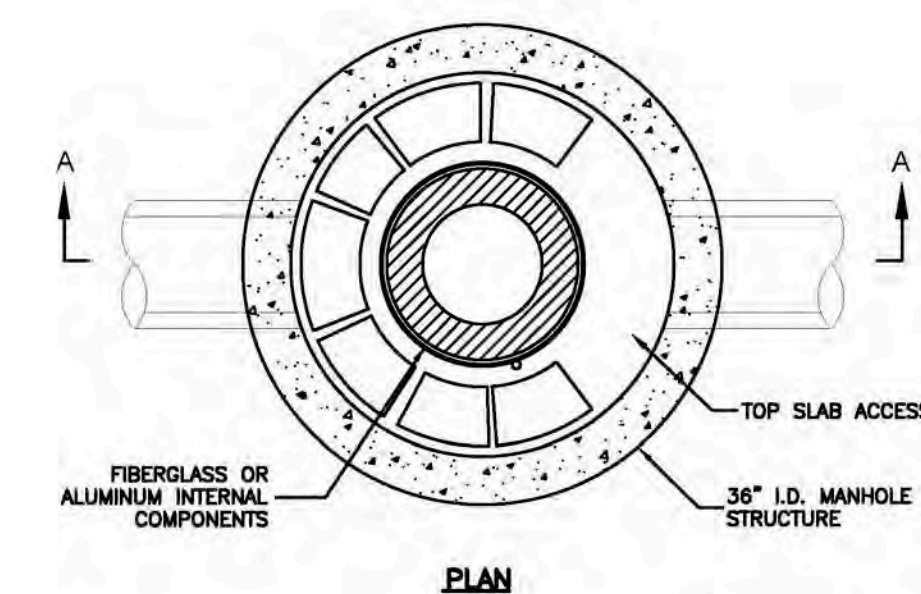
Bypass capacity will vary with each size drainage structure. FlexStorm designs filter bypass to meet the minimum design flow of the particular drainage structure.

Standard Bag Sizes (match frame sizes)	Solids Storage Capacity ft ³ (m ³)	Filtered Flow Rate at 50% Max (GPM)		Oil Retention (Oz)	
		FX	PCP	FXP	PCP
Small	1.6 (0.5)	1.2	0.8	89	168
Medium	2.1 (0.6)	1.7	1.2	89	204
Large	3.8 (1.2)	2.7	1.8	89	262
XL	4.2 (1.3)	3.6	2.4	178	319



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CIVIL CONSTRUCTION DETAILS & NOTES

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SCALE: AS NOTED
PROJECT #: CLA-8185

CD-101

PROJECT	
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GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL ADAPTIVE REUSE

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

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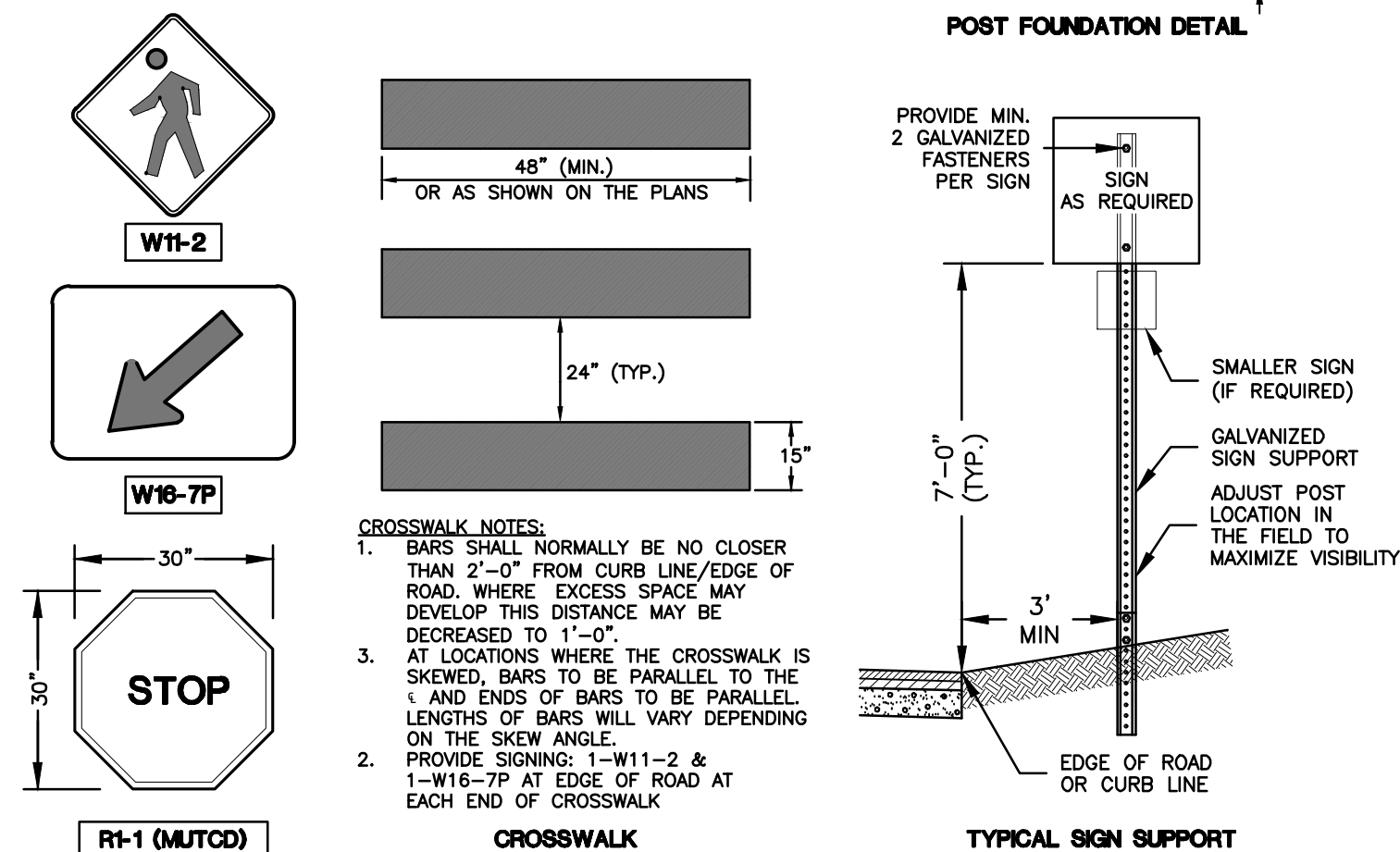
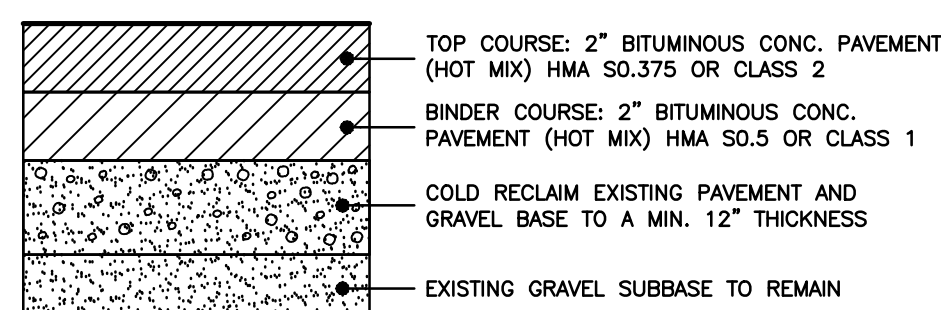
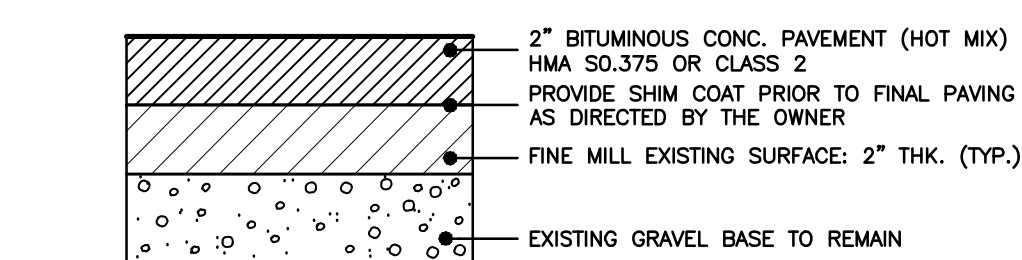
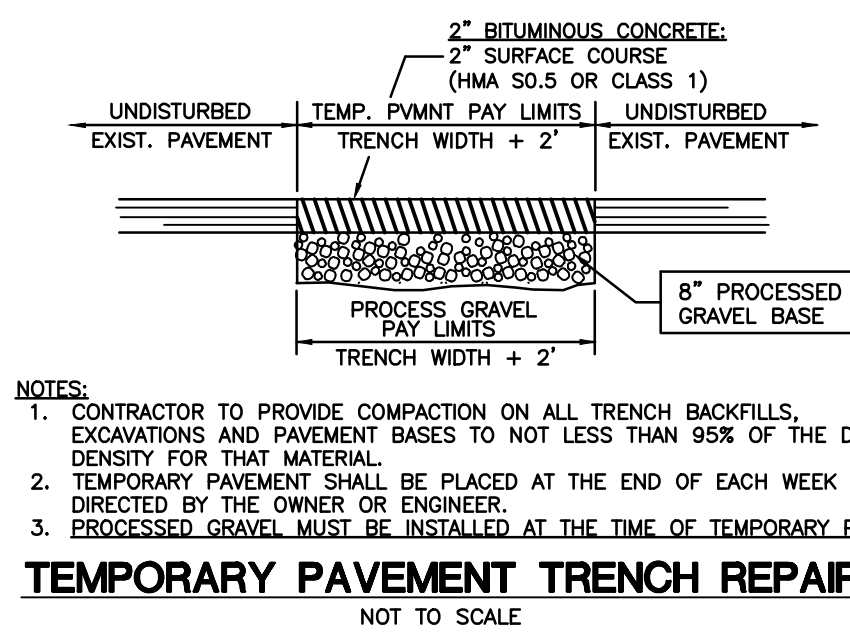
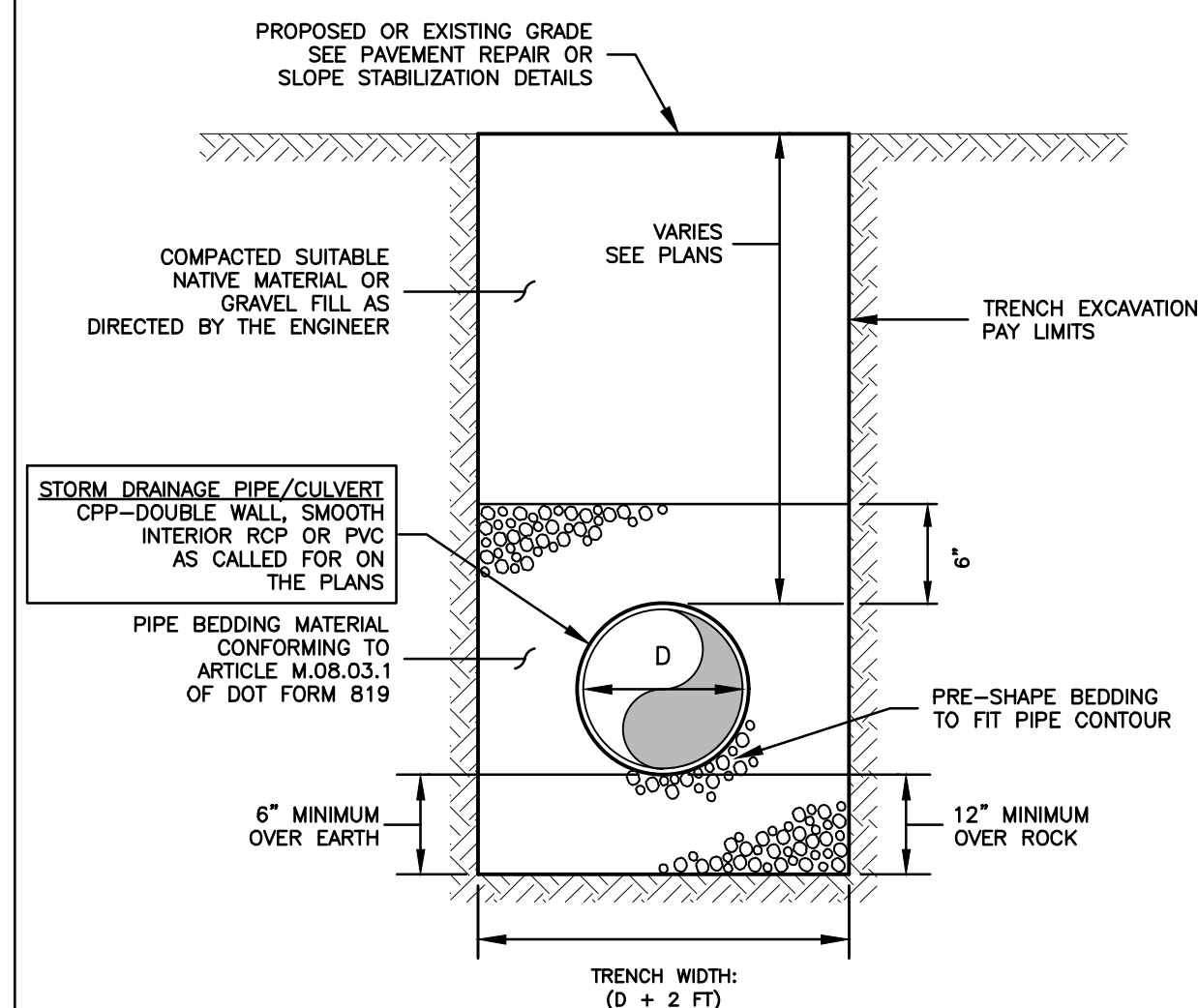
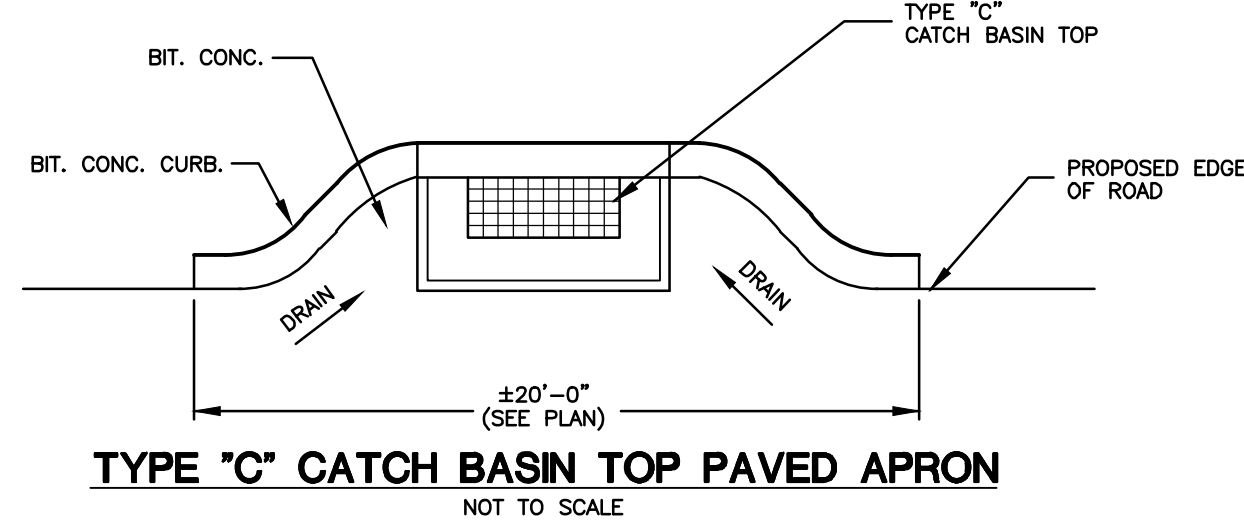
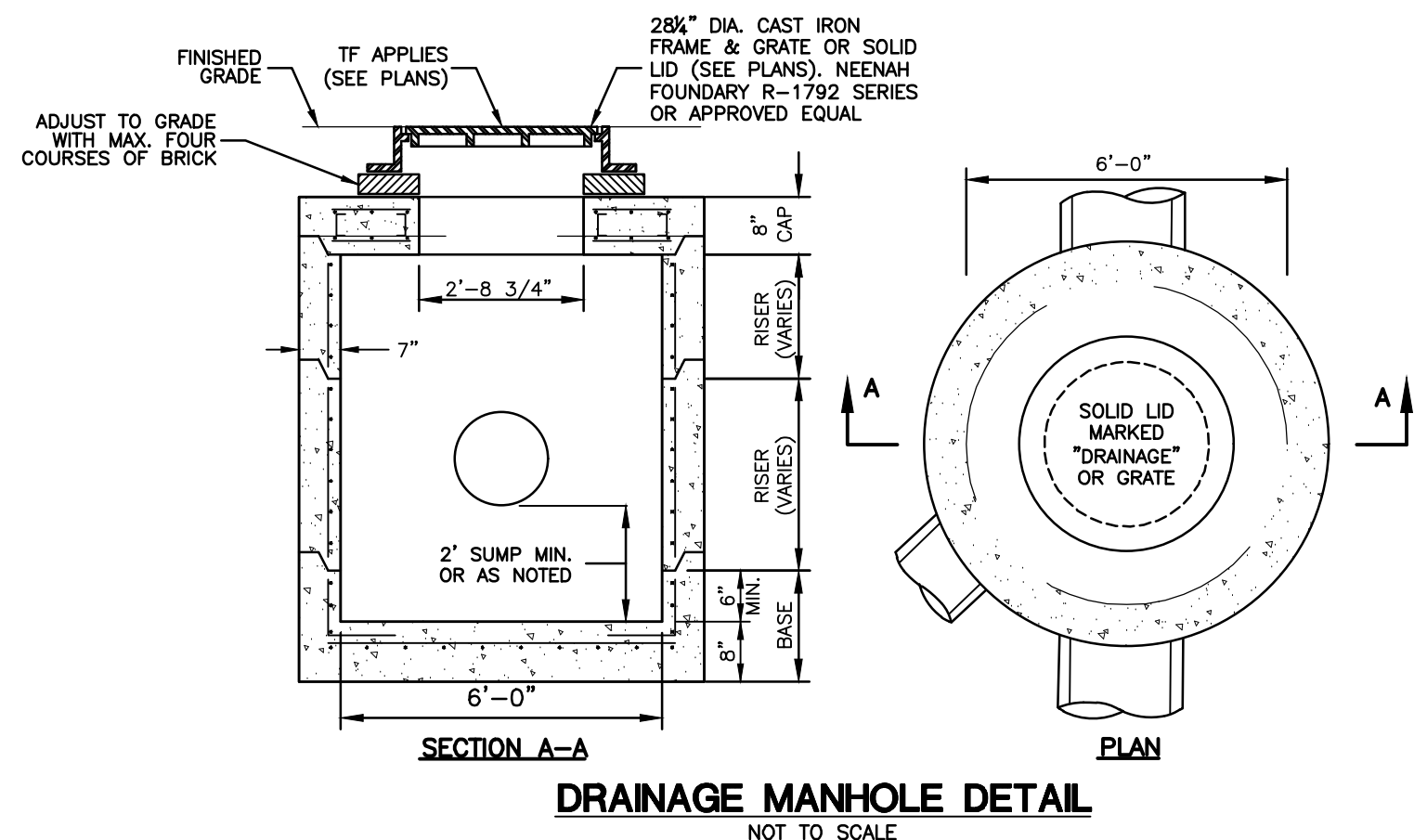
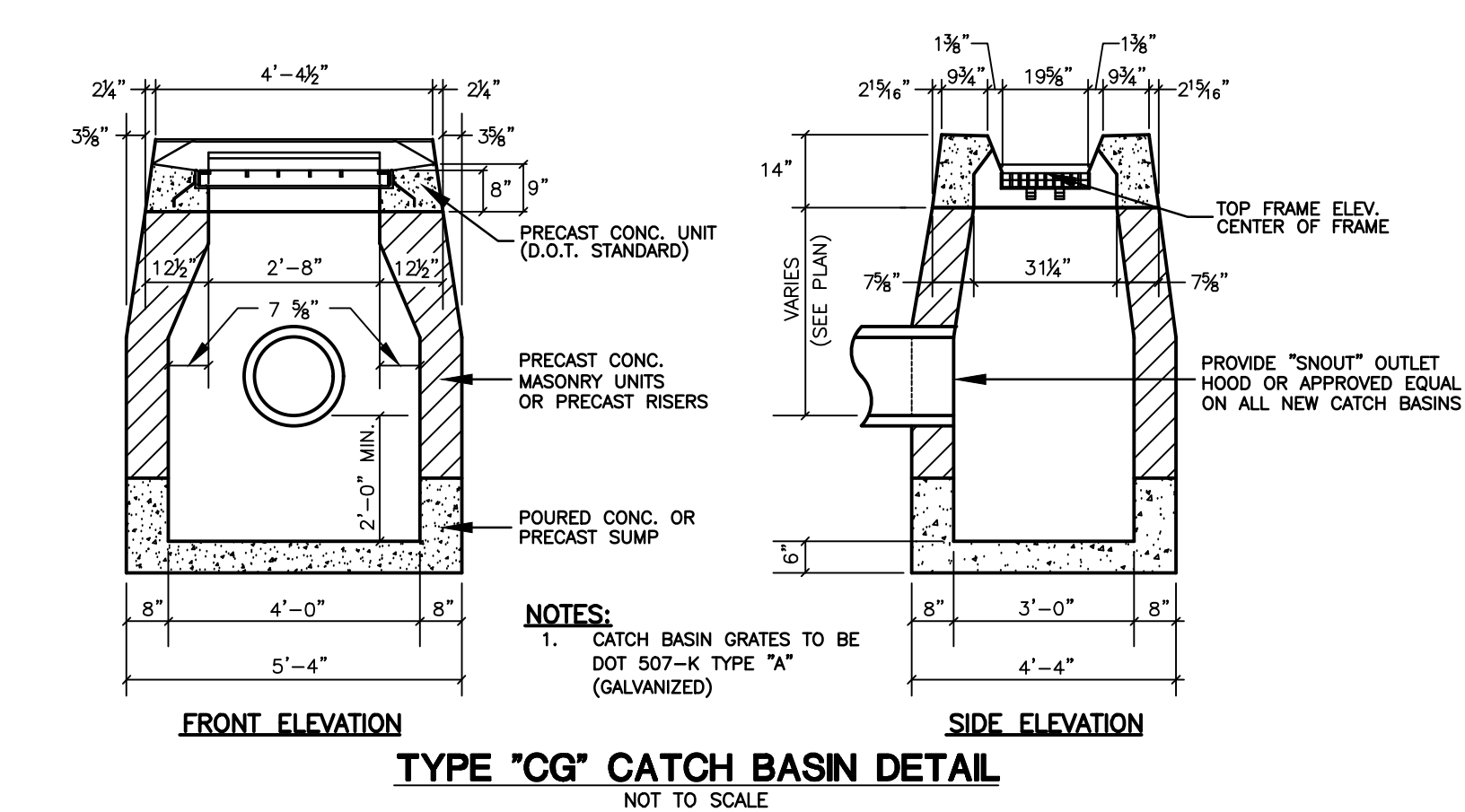
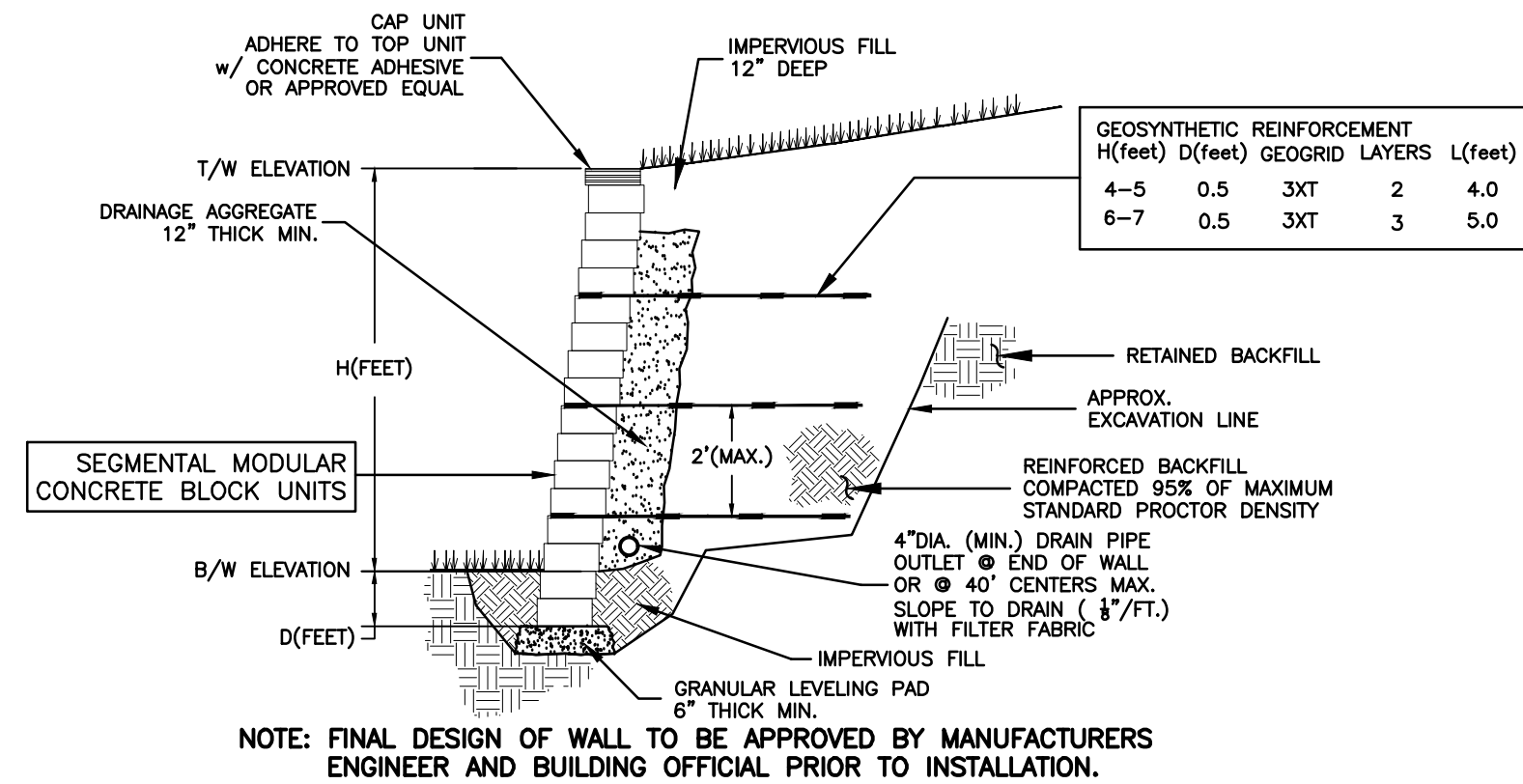
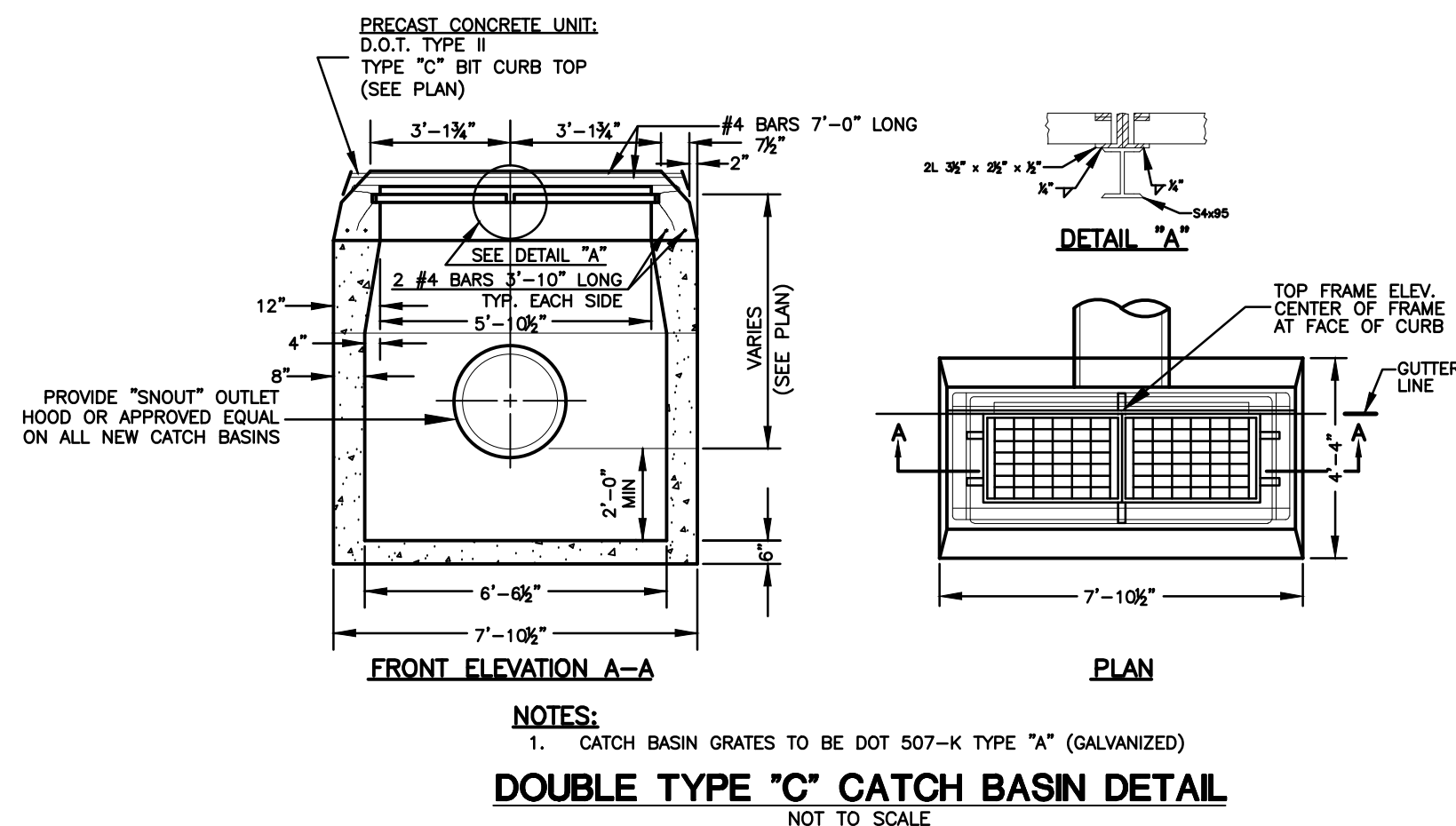
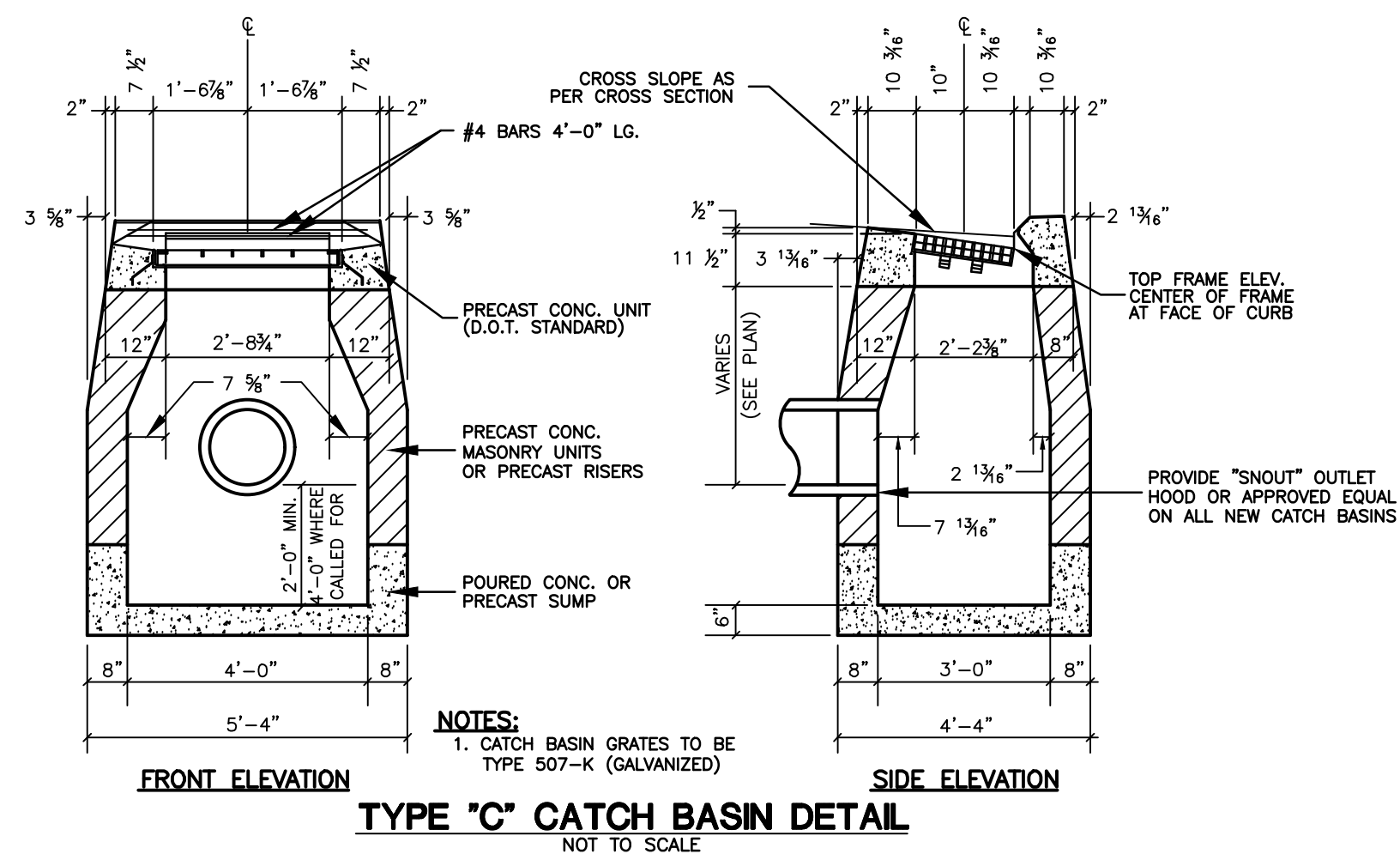
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PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL
ADAPTIVE REUSE

850 HARTFORD TURNPIKE
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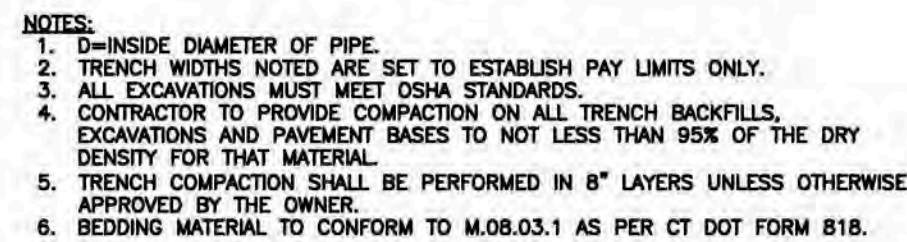
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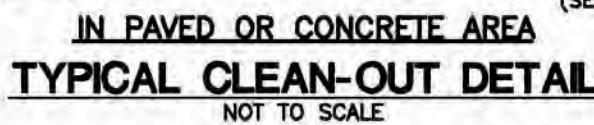
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PROJECT #: CLA-8185

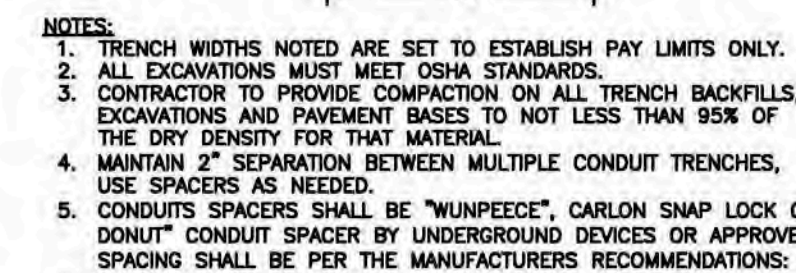
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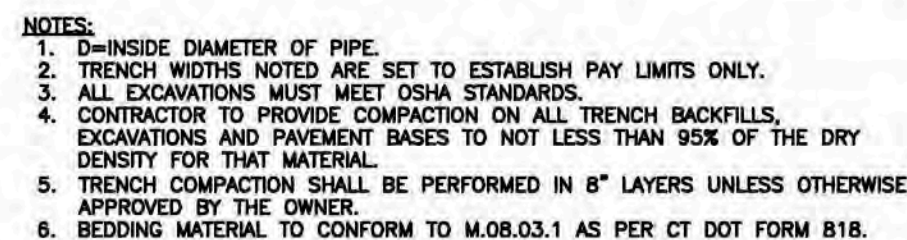
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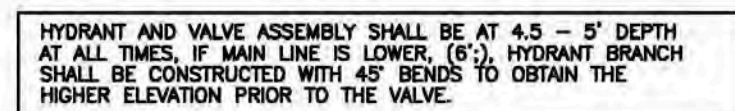
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Call 811 before you dig.



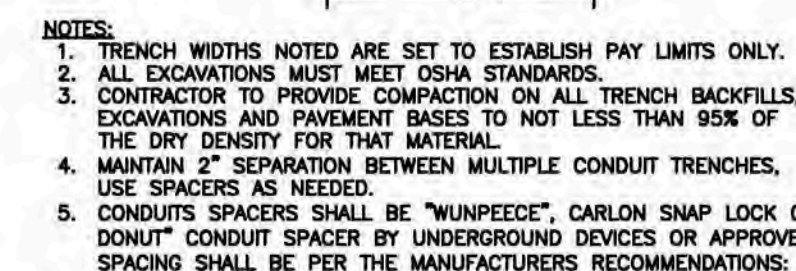
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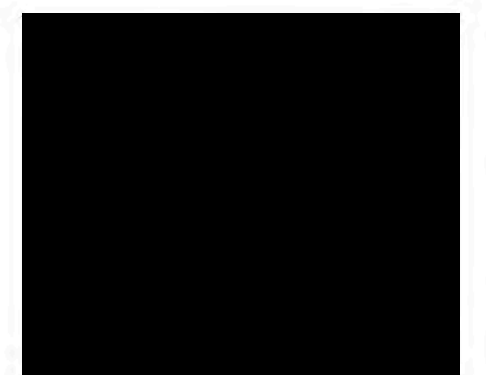
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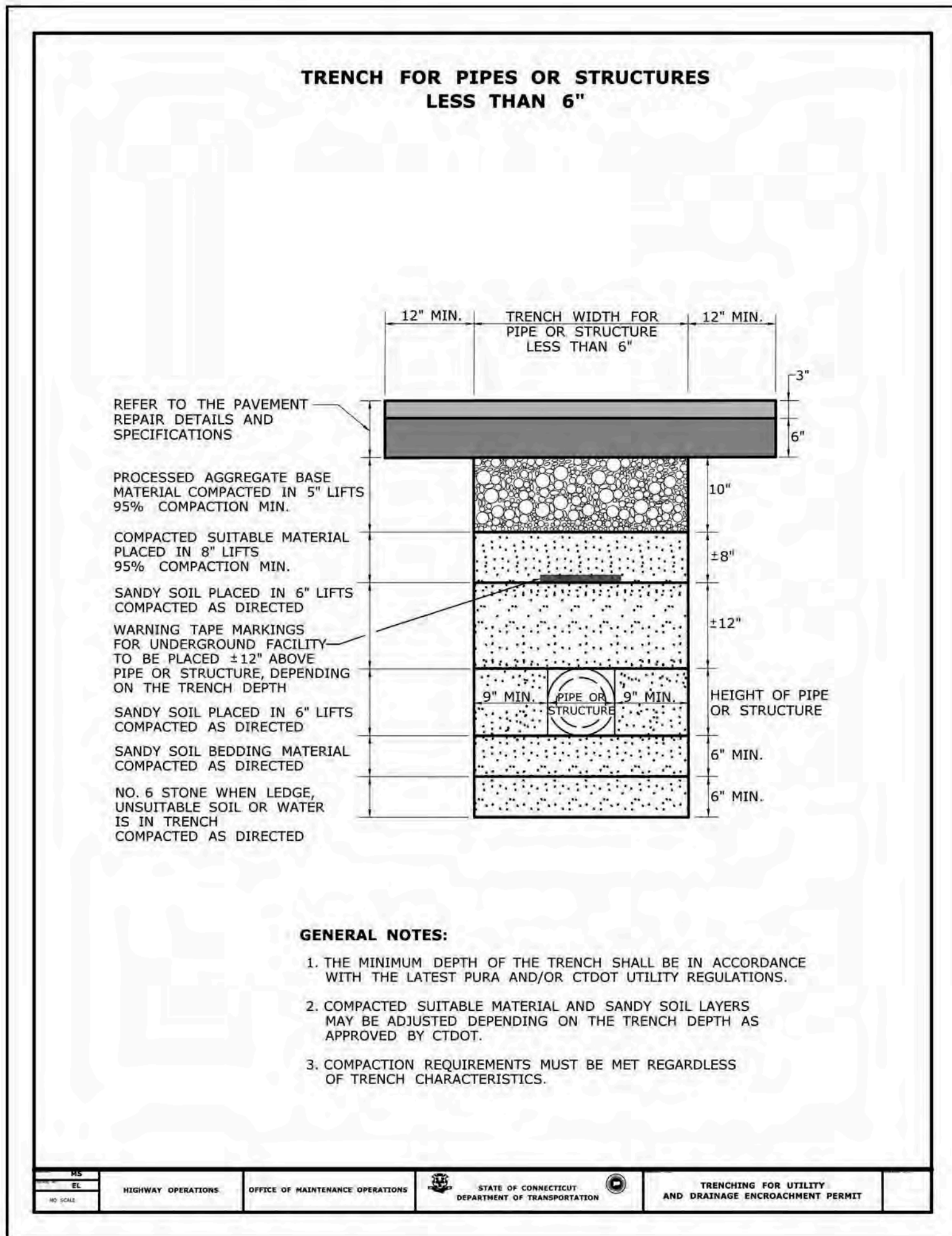
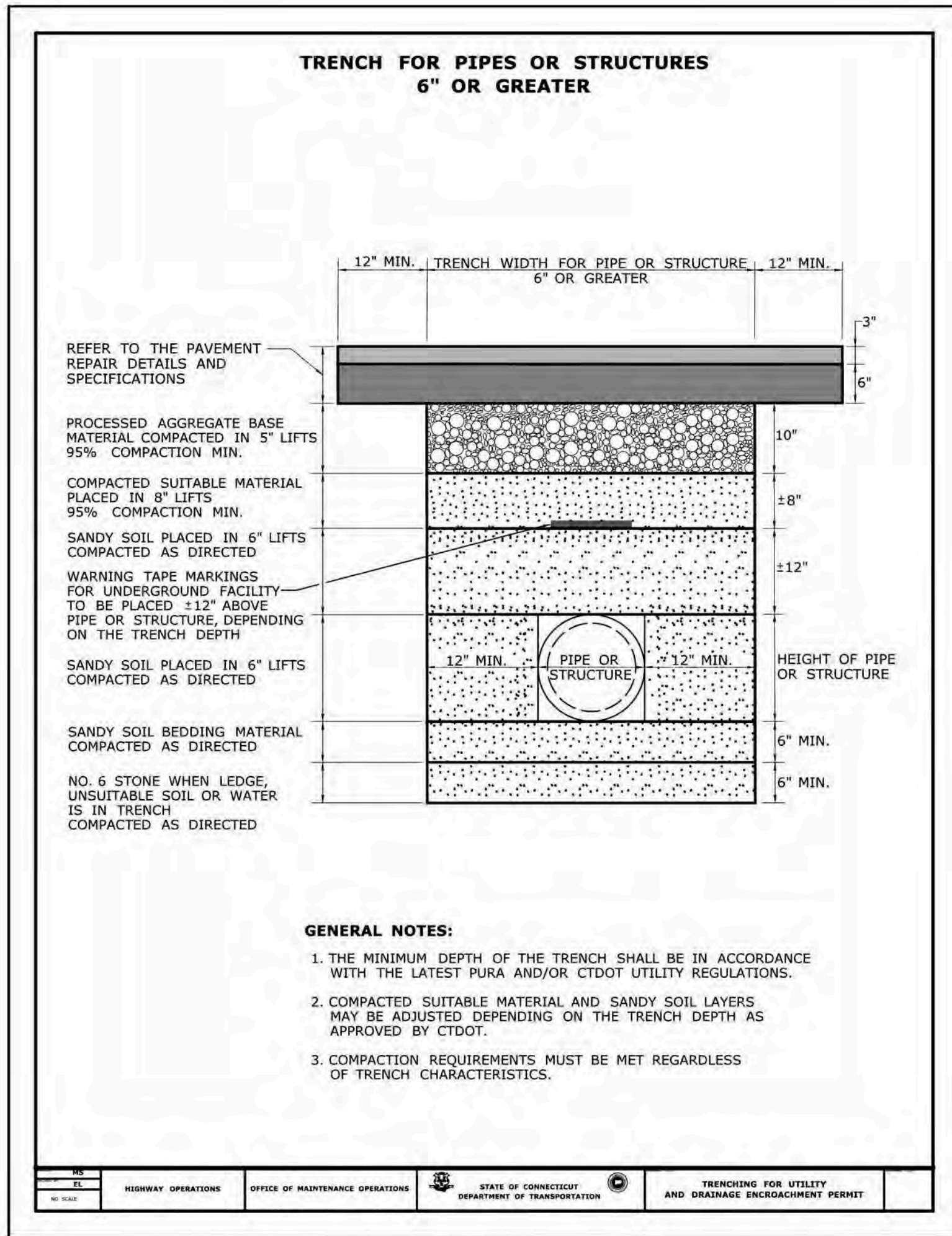
CD-103

1. COMPACTION TESTING SHALL BE PERFORMED ON ALL ROADWAY EXCAVATIONS WITHIN THE STATE RIGHT-OF-WAY. ALL COMPACTION AND DENSITY TESTING SHALL BE PERFORMED BY NETCP QUALIFIED TESTING PERSONNEL USING A NUCLEAR DENSITY GAUGE THAT HAS RECEIVED ITS ANNUAL CERTIFICATION FROM CTDOT. COMPACTION TESTS ON SOLS AND DENSITY TESTS ON ASPHALT SHALL BE PERFORMED ONCE PER LIFT OF MATERIAL INSTALLED, ONCE EVERY 25 LF OF EXCAVATION. DAILY INSPECTION REPORTS WHICH HAVE BEEN REVIEWED/VERIFIED/STAMPED BY A LICENSED CT PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE DISTRICT ON A WEEKLY BASIS. ALL TESTING RESULTS FOR EARTH MATERIALS PROPOSED TO BE USED SHALL BE SUBMITTED TO CTDOT A MINIMUM OF 10 BUSINESS DAYS IN ADVANCE OF THEIR PROPOSED USE. NO MATERIALS MAY BE USED UNLESS IT HAS BEEN TESTED AND RESULTS HAVE BEEN SUBMITTED FOR REVIEW AND ACCEPTED BY CTDOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REQUIRED CTDOT TESTING, ANALYSIS, AND REPORTING. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WITH THEIR SELECTED TESTING AGENCY AND PERFORMING ALL TESTS AT THE INTERVALS INDICATED HEREIN.
2. THE STATE DRAINAGE SYSTEM, WITHIN THE PROJECT LIMITS, WILL BE INSPECTED AND DOCUMENTED PRIOR TO CONSTRUCTION AND AGAIN PRIOR TO FINAL RESTORATION. SHOULD ANY ISSUES ARISE WITH DEBRIS OR DAMAGED DRAINAGE FACILITIES CAUSED BY CONSTRUCTION ACTIVITIES, THE PERMITTEE SHALL BE RESPONSIBLE TO CLEAN/REPAIR THE SYSTEM AT THEIR OWN EXPENSE. EROSION CONTROLS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE PROJECT.
3. ALL PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES TO A DEPTH NECESSARY TO REMOVE THE PAVEMENT TO THE SUBBASE. THE SAW CUTTING SLURRY MUST NOT BE ALLOWED TO ENTER THE STATE'S DRAINAGE SYSTEM. THE PERMITTEE SHALL KEEP OPEN ROADWAYS CLEAN AND FREE OF CONSTRUCTION DEBRIS, DIRT, LOOSE GRAVEL, OR OTHER MATERIAL THAT MAY CAUSE HAZARDOUS DRIVING CONDITIONS AND SHALL HAVE A STREET SWEEPER AVAILABLE AT ALL TIMES, AND SHALL SWEEP THE ROAD AS NEEDED, NOT LESS THAN TWICE PER DAY.
4. THERE SHALL BE NO STAGING/STORAGE OF MATERIAL OR EQUIPMENT WITHIN THE STATE ROW AT ANY TIME OTHER THAN WORKING HOURS.
5. THE USE OF STEEL PLATES TO COVER OPEN TRENCHES WITHIN THE HIGHWAY RIGHT OF WAY WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM CTDOT. NO PERMISSION FOR THE USE OF STEEL PLATES WILL BE GIVEN AFTER OCTOBER 31.
6. ALL WORK TO CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 819, DATED JULY 2025, AS REVISED.
7. NEW PAVEMENT MARKINGS SHALL BE EPOXY RESIN AND SHALL CONFORM TO SECTION 12.10 OF DOT FORM 819.
8. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL CONFORM TO SECTION 12.11 OF DOT FORM 819.
9. HARTFORD TURNPIKE (ROUTE 85) IS A STATE HIGHWAY. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM CTDOT DISTRICT 2 FOR ALL WORK WITHIN THE STATE RIGHT-OF-WAY WORK AND SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED BY THE STATE.



Work performed within the Connecticut Department of Transportation's right-of-way paved roadway should be in compliance with the Standard Specifications for Roads, Bridges, Facilities and Incidental Construction; including all supplements and revisions, Encroachment Permit-Pavement Repair Drawing and other applicable standards.

Bituminous Concrete: Section 4.06	3" HMA S0.5 TRAFFIC LEVEL 2, PLACED IN TWO EQUAL LIFTS OR AS DIRECTED BY THE PERMIT INSPECTOR
	6" HMA S1.0 TRAFFIC LEVEL 2, PLACED IN TWO EQUAL LIFTS OR MATCH EXISTING PAVEMENT OR PORTLAND CEMENT CONCRETE THICKNESS, WHICHEVER IS GREATER <i>Minimum of 92% Compaction</i>
Processed Aggregate Base: Section 3.04 Spec. M.05.01	10" PROCESSED AGGREGATE BASE MATERIAL COMPACTED IN 5" LIFTS <i>Minimum of 95% Compaction</i>
Compacted Granular Fill: Section 2.14 Spec. M.02.02	PLACE IN 8" LIFTS OR AS DIRECTED BY THE PERMIT INSPECTOR <i>Minimum of 95% Compaction</i>
Bedding Material: Spec. M.08.03	Apex 1 foot of Bedding Cover
	Bedding MAIN
	Bedding/Stone



PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL ADAPTIVE REUSE

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

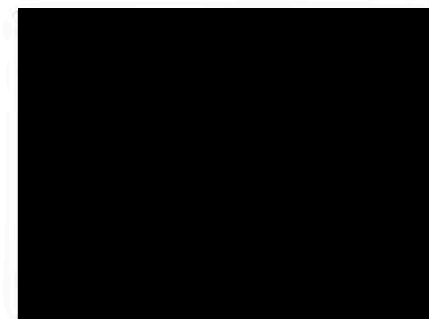
CONSULTANTS

FCA
Architecture
Interior Design
Planning

LANDSCAPE
KENT+
FROST
ARCHITECTURE
1 HIGH STREET
MYSTIC, CT 06355
860.572.0784
kentfrost.com

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317 Main Street Norwich, Connecticut
860-886-1966 claengineers.com

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CTDOT
CONSTRUCTION
DETAILS & NOTES

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8

CD-200

CONSULTANTS

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Interior Design
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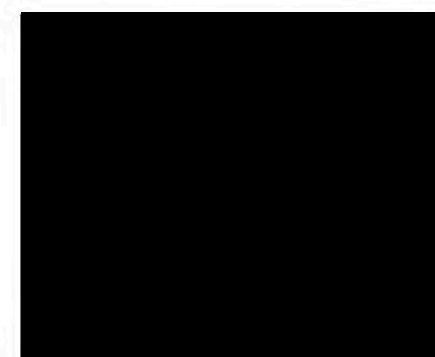
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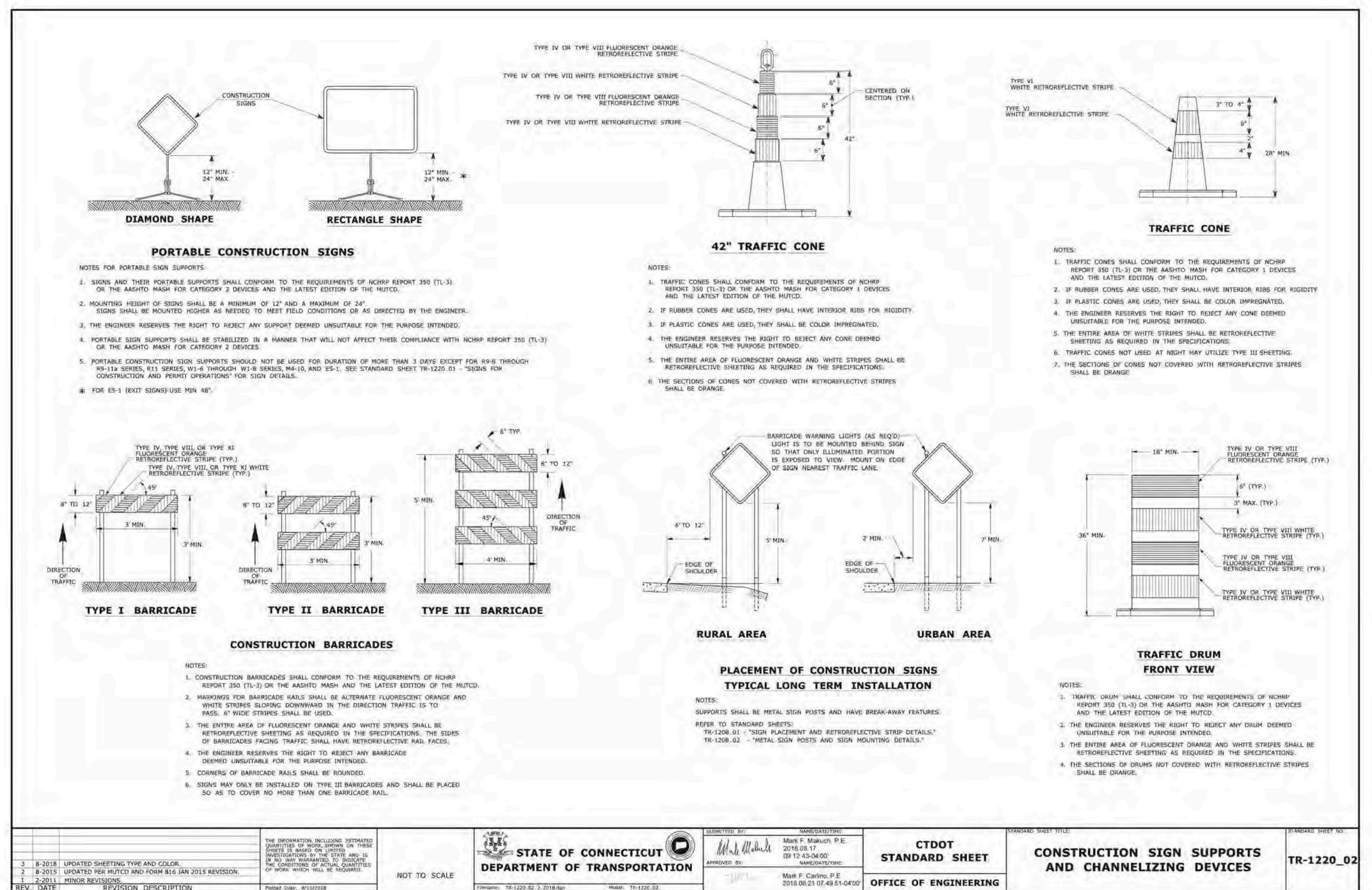
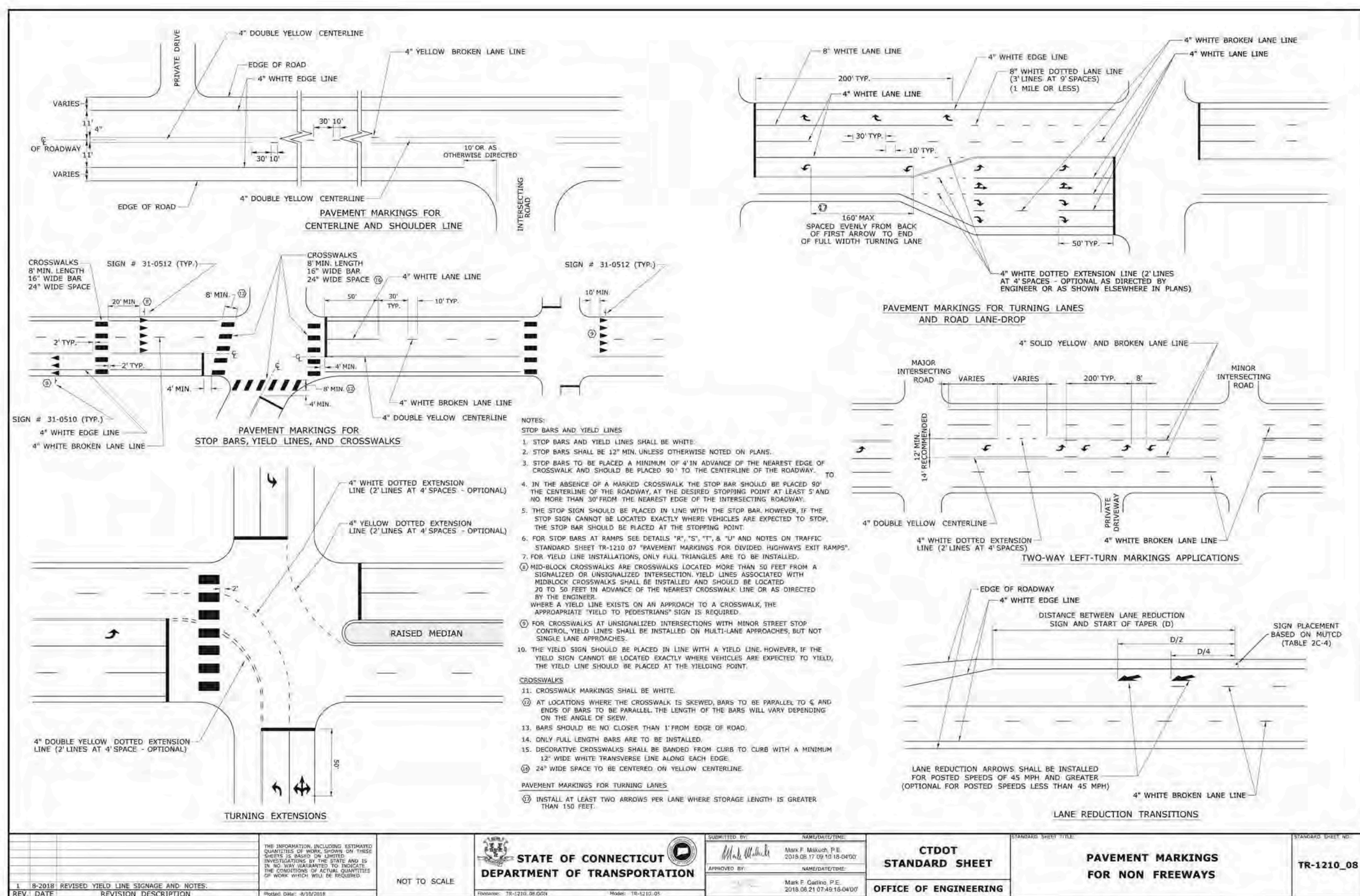
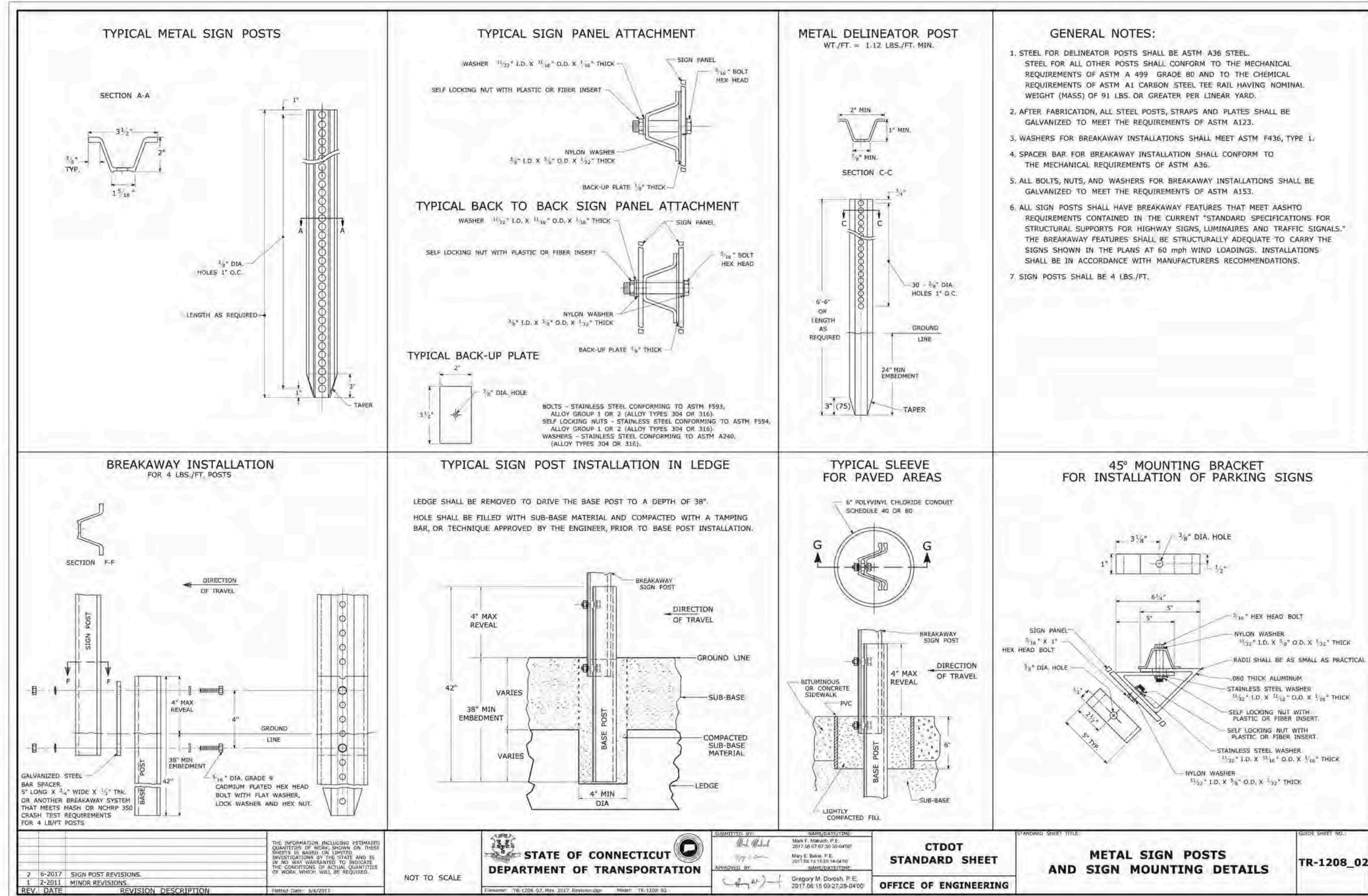
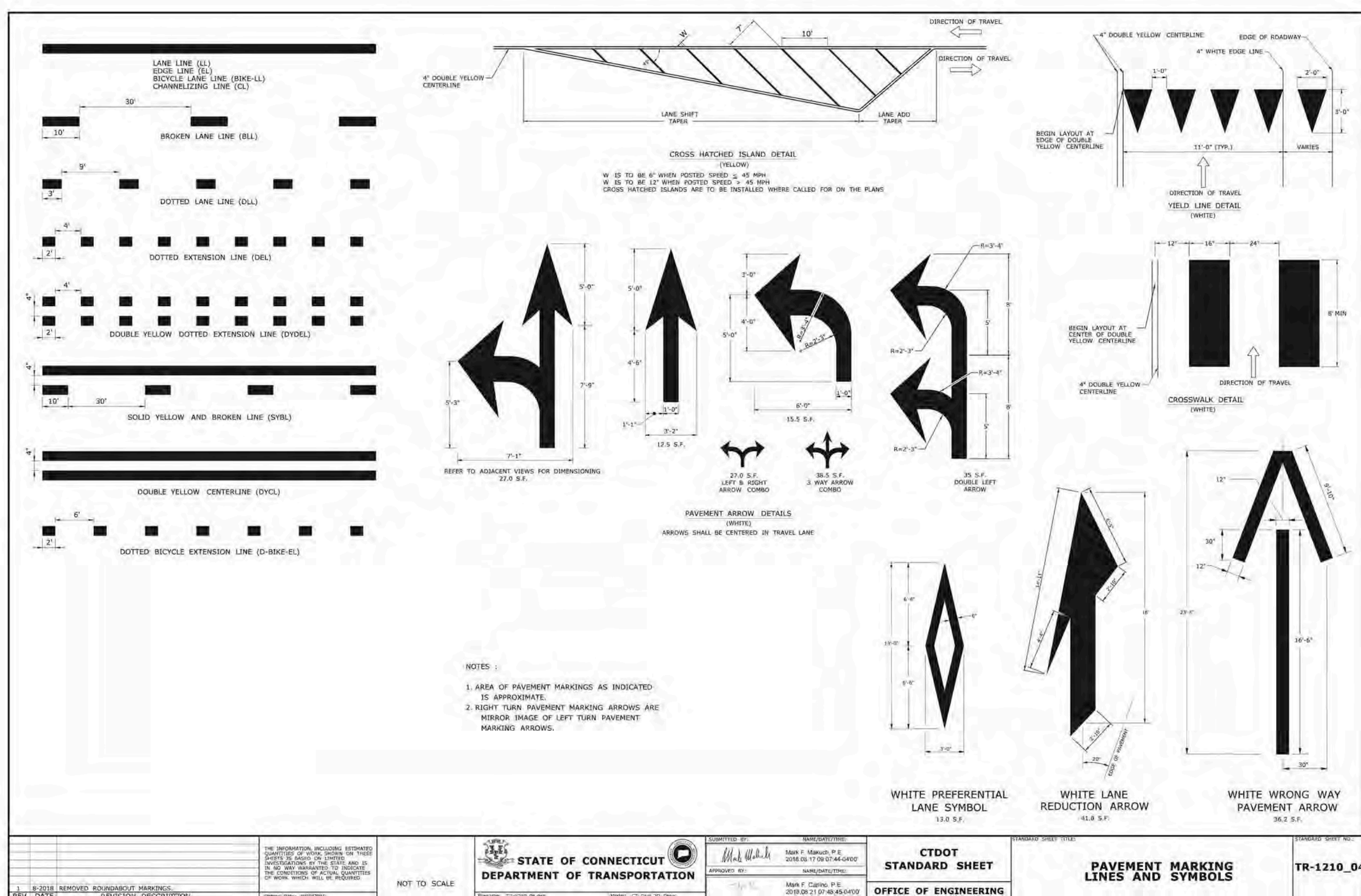
317 Main Street Norwich, Connecticut
860-886-1966 claengineers.com

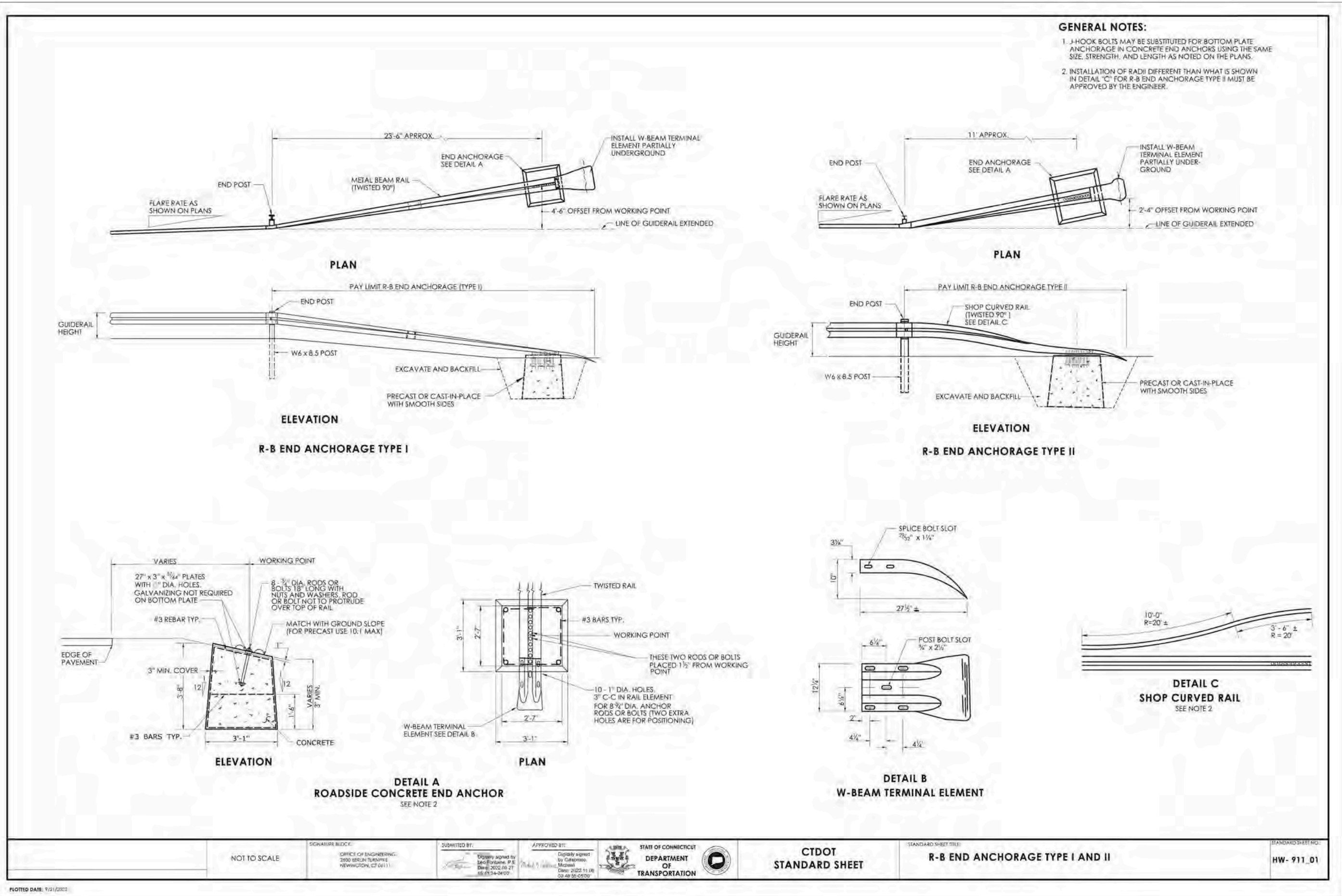
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CONSTRUCTION
DETAILS & NOTES

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8185

CD-201





PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL ADAPTIVE REUSE

850 HARTFORD TURNPIKE
WATERFORD, CT 06385

CONSULTANTS

FCA

Architecture
Interior Design
Planning

LANDSCAPE

**KENT+
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ARCHITECTURE

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MYSTIC, CT 06355
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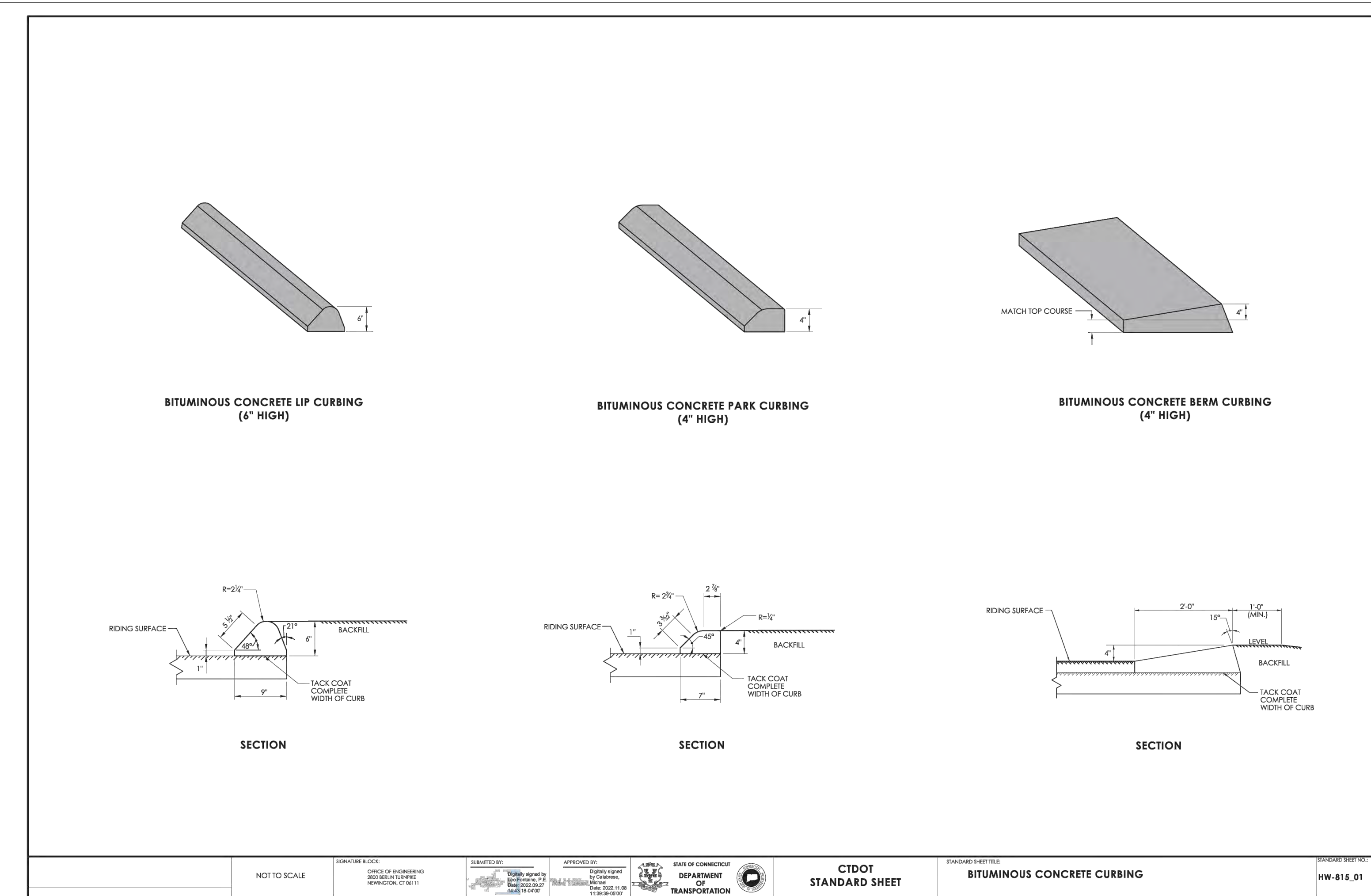
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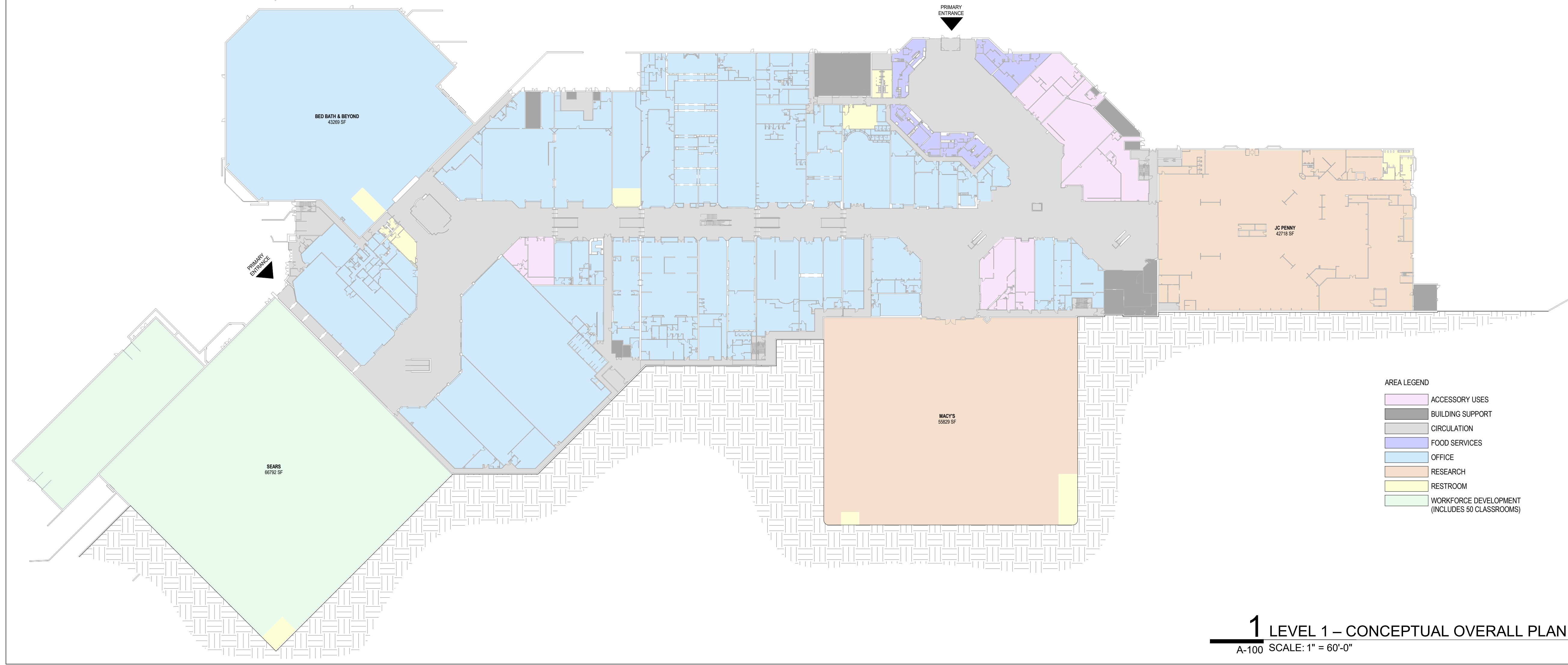
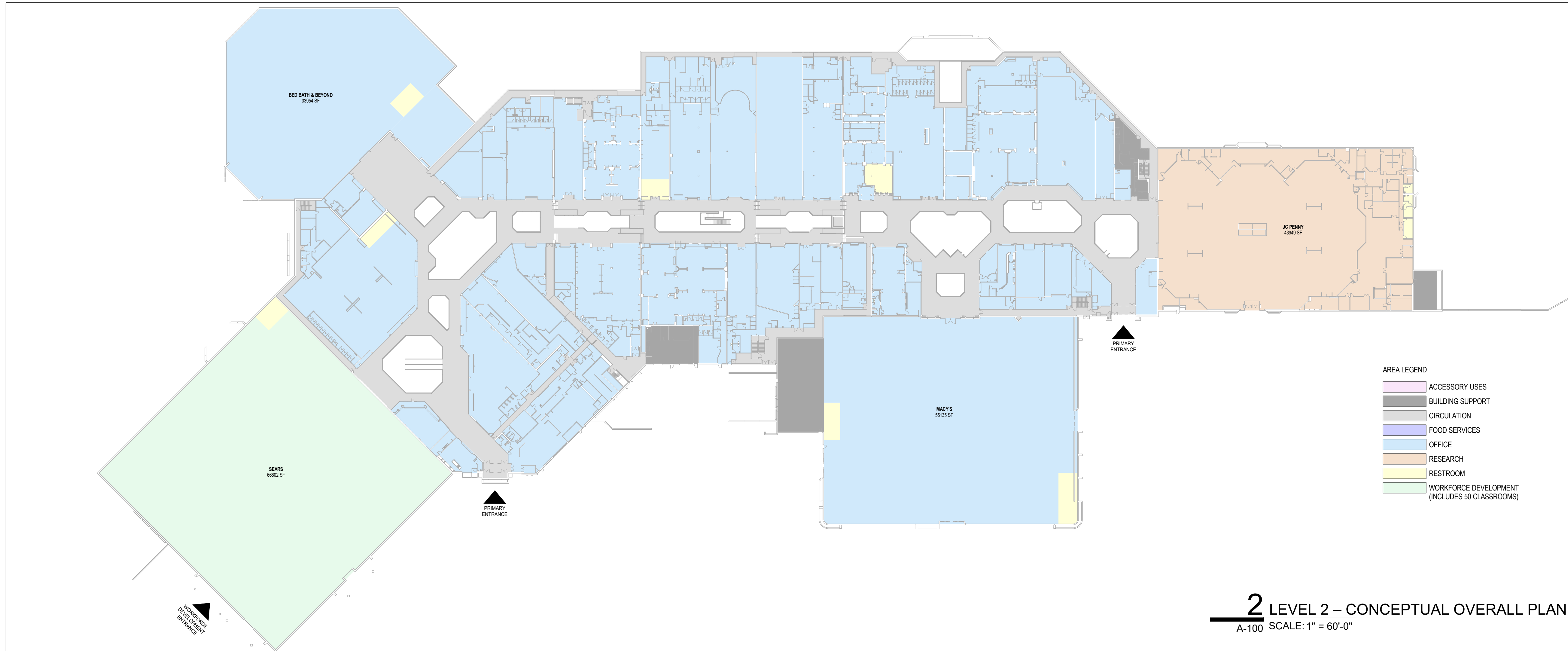
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CTDOT
CONSTRUCTION
DETAILS & NOTES

DRAWN BY: KJH
CHECKED BY: KJH
SCALE: AS NOTED
PROJECT #: CLA-8185

CD-202





AREA SCHEDULE		
LEVEL	AREA TYPE	SF
ACCESSORY USES		
Level 1	ACCESSORY USES	16741 SF
		16741 SF
BUILDING SUPPORT		
Level 1	BUILDING SUPPORT	8076 SF
Level 2	BUILDING SUPPORT	9578 SF
		17655 SF
CIRCULATION		
Level 1	CIRCULATION	80770 SF
Level 2	CIRCULATION	60861 SF
		141630 SF
FOOD SERVICES		
Level 1	FOOD SERVICES	6265 SF
		6265 SF
OFFICE		
Level 1	OFFICE	185204 SF
Level 2	OFFICE	263987 SF
		441990 SF
RESEARCH		
Level 1	RESEARCH	98547 SF
Level 2	RESEARCH	43949 SF
		142496 SF
RESTROOM		
Level 1	RESTROOM	6609 SF
Level 2	RESTROOM	5559 SF
		12168 SF
WORKFORCE DEVELOPMENT (INCLUDES 50 CLASSROOMS)		
Level 1	WORKFORCE DEVELOPMENT (INCLUDES 50 CLASSROOMS)	82018 SF
Level 2	WORKFORCE DEVELOPMENT (INCLUDES 50 CLASSROOMS)	66802 SF
		148820 SF
Grand total		934967 SF

dme
DME DESIGN LLC
285 NICOLL ST. SUITE 107
NEW HAVEN, CT 06511

PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL
850 HARTFORD TURNPIKE SUITE L113, WATERFORD, CT
06385

CONSULTANTS

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KEY PLAN

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CONCEPTUAL ZONING PLANS

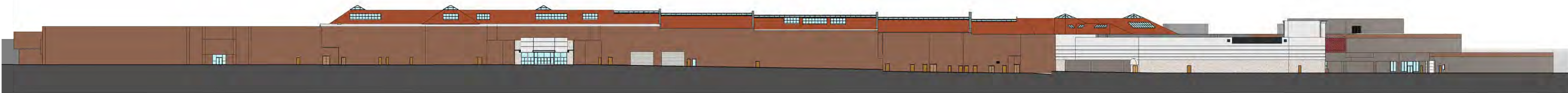
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SCALE: 1" = 60'-0"	
PROJECT #:YYYYNNN	



1 PLAN SOUTH EXISTING ELEVATION
A-300 SCALE: 1" = 60'-0"



2 PLAN EAST EXISTING ELEVATION
A-300 SCALE: 1" = 60'-0"



3 PLAN NORTH EXISTING ELEVATION
A-300 SCALE: 1" = 60'-0"



4 PLAN NORTHWEST ELEVATION
A-300 SCALE: 1" = 60'-0"



5 PLAN WEST EXISTING ELEVATION
A-300 SCALE: 1" = 60'-0"



DME DESIGN LLC
285 NICOLL ST. SUITE 107
NEW HAVEN, CT 06511

PROJECT

GENERAL DYNAMICS
Electric Boat

CRYSTAL MALL

850 HARTFORD TURNPIKE SUITE L113, WATERFORD, CT
06385

CONSULTANTS



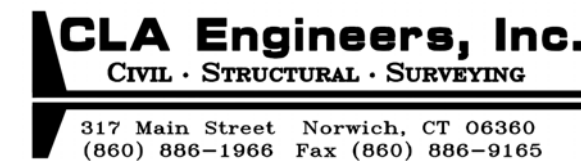
Architecture
Interior Design
Planning

LANDSCAPE



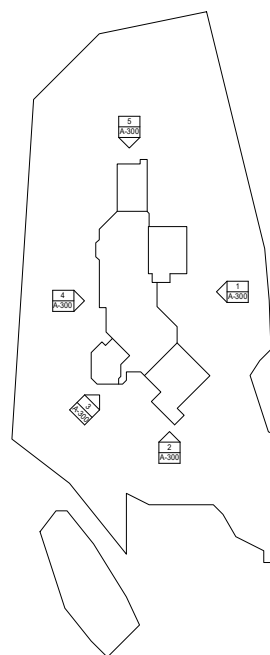
ARCHITECTURE

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KEY PLAN



REV	DESCRIPTION	DATE

EXISTING DRAWINGS

ZONING ELEVATIONS

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SCALE: As indicated
PROJECT #: YYYYYNNN

A-300