RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II

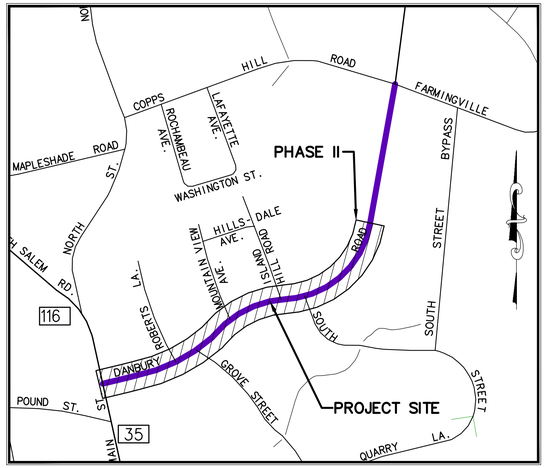
DANBURY ROAD, ROUTE 35
RIDGEFIELD, CONNECTICUT

BID SET
APRIL 15, 2016

Constructed in Cooperation with the
STATE OF CONNECTICUT
DANNEL P. MALLOY, GOVERNOR

Department of Economic and Community Development
Catherine Smith, Commissioner

BID NUMBER: 2016-16



VICINITY MAP

0 1/2" 1"
SCALE: 1"=500'

LEGEND

EXISTING		PROPOSED
	STREET LINE	
	PROPERTY LINE	
70	MAJOR CONTOUR	70
68	MINOR CONTOUR	68
	TREE LINE	
	TREE/SHRUB	
	STONEWALL	
	SITE LIGHT	
	HYDRANT	
	WATER METER	
WV	WATER VALVE	
GV	GAS VALVE	
	CATCH BASIN	
D E S	MANHOLE/YARD DRAIN/AREA DRN.	
	SANITARY SEWER W/MANHOLE	
	STORM DRAIN W/CATCH BASIN	
W	WATER MAIN	
DW	DOMESTIC WATER	
FP	FIRE PROTECTION WATER	
G	GAS MAIN	
E	ELECTRIC LINE	
ETC	ELECTRIC, TELEPHONE, CABLE	
OHW	OVERHEAD WIRE	
	UTILITY POLE	
	TRAFFIC SIGN	
	IRON PIPE	
	MONUMENT	
	EDGE OF PAVEMENT W/CURB	
	RETAINING WALL	
	SIDEWALK	
	CONTRACT LIMIT LINE	
	BOLLARD	
	GUARD RAIL	
	PICKET FENCE	
	CHAIN LINK FENCE	
	BARBWIRE FENCE	
× 21.84	SPOT ELEVATION	+ 21.84
BIT.CONC.	BITUMINOUS CONCRETE	
PCP	PEDESTRIAN TRAFFIC SIGNAL	PCP
	CROSSWALK	
	HANDICAP RAMP	
	DETECTABLE WARNING STRIP	

APPROVED:

CHARLES R. FISHER, P.E., L.S.
TOWN ENGINEER
TOWN OF RIDGEFIELD, CT

DATE:

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LIST OF DRAWINGS:

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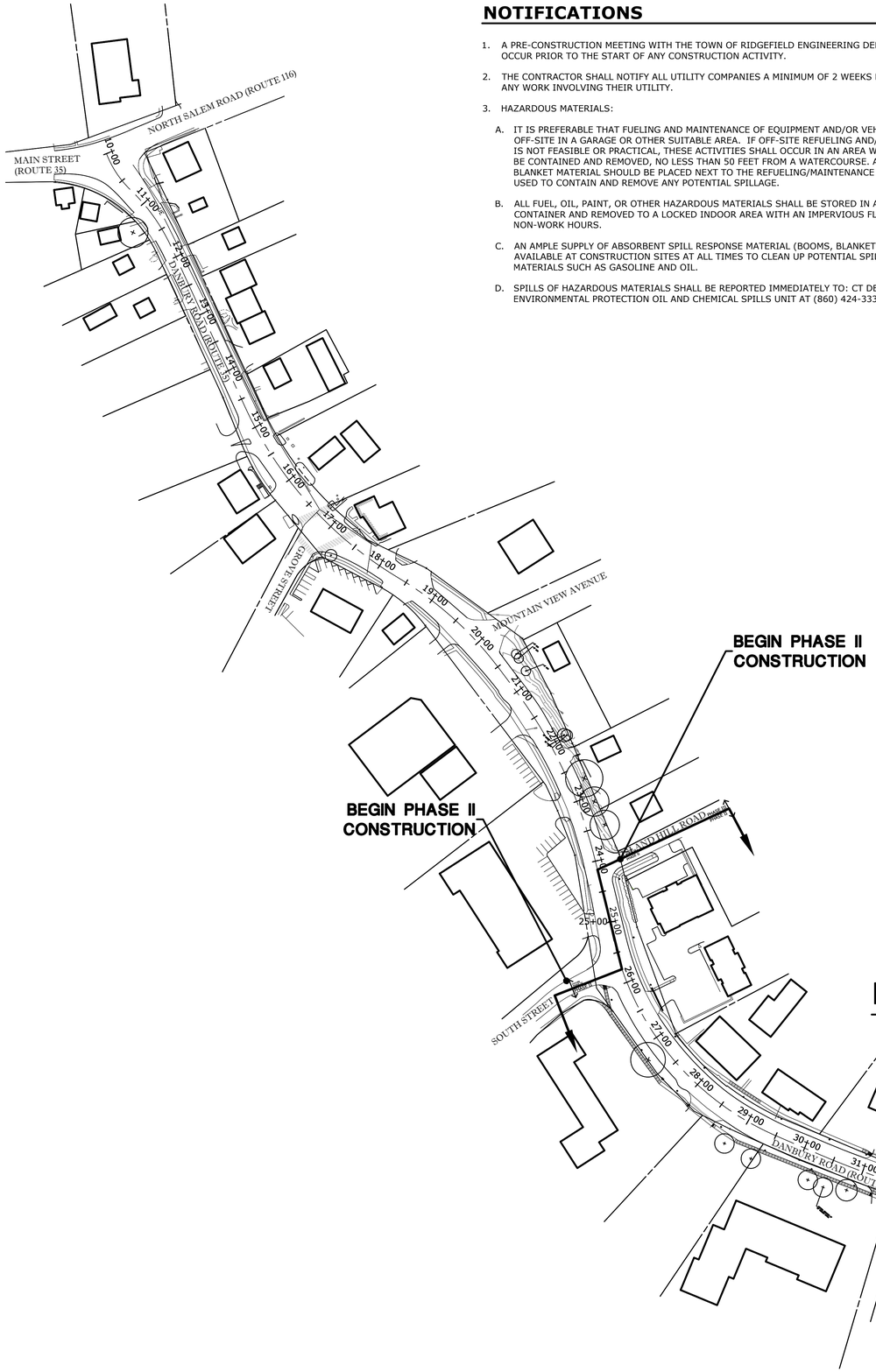
E 1-3	SITE PLAN - ELECTRICAL
E 4	ELECTRICAL DETAILS
SD 1-2	SITE DETAILS



NOTIFICATIONS

1. A PRE-CONSTRUCTION MEETING WITH THE TOWN OF RIDGEFIELD ENGINEERING DEPARTMENT SHALL OCCUR PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.

2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 2 WEEKS BEFORE BEGINNING ANY WORK INVOLVING THEIR UTILITY.

3. HAZARDOUS MATERIALS:

   A. IT IS PREFERABLE THAT FUELING AND MAINTENANCE OF EQUIPMENT AND/OR VEHICLES OCCUR OFF-SITE IN A GARAGE OR OTHER SUITABLE AREA. IF OFF-SITE REFUELING AND/OR MAINTENANCE IS NOT FEASIBLE OR PRACTICAL, THESE ACTIVITIES SHALL OCCUR IN AN AREA WHERE SPILLAGE CAN BE CONTAINED AND REMOVED, NO LESS THAN 50 FEET FROM A WATERCOURSE. ABSORBENT SPILL BLANKET MATERIAL SHOULD BE PLACED NEXT TO THE REFUELING/MAINTENANCE ACTIVITY TO BE USED TO CONTAIN AND REMOVE ANY POTENTIAL SPILLAGE.

   B. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHALL BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.

   C. AN AMPLE SUPPLY OF ABSORBENT SPILL RESPONSE MATERIAL (BOOMS, BLANKETS, ETC.) SHALL BE AVAILABLE AT CONSTRUCTION SITES AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE AND OIL.

   D. SPILLS OF HAZARDOUS MATERIALS SHALL BE REPORTED IMMEDIATELY TO: CT DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND CHEMICAL SPILLS UNIT AT (860) 424-3338

GENERAL NOTES

1. SURVEY IS BY MILONE AND MACBROOM, INC. DATED MAY 7, 2007, REVISED 11-28-2007. ALL ELEVATIONS AND BENCHMARK ARE BASED ON REFERENCE MAP 4B. REFERENCE IS HEREBY MADE TO THE FOLLOWING MAPS:

   A. "CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF RIDGEFIELD, RIDGEFIELD-DANBURY ROAD FROM THE NORTH SALEM ROAD NORTHEASTERN ABOUT 4000 FEET", SCALE: 1"=40', DATED: OCT. 31, 1933, REVISED TO: 6/23/95. NUMBER 117-11 (CTDOT)
   B. PROPERTY LINE INFORMATION AND BUILDING LINE INFORMATION TAKEN FROM G.I.S. MAPPING PROVIDED BY THE TOWN OF RIDGEFIELD.

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. CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG", 1-800-922-4455. CONTRACTOR SHALL MAINTAIN MARKINGS WHERE NEEDED DURING PROJECT. 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 ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES AND SERVICE LATERALS PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH LOCATIONS OF LIGHT POLES, TREES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION.

3. MILONE & MACBROOM INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS

4. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR DETERMINATION.

5. UNLESS OTHERWISE SHOWN, ALL DISTURBED AREAS SHALL RECEIVE A MIN. OF 6" TOPSOIL, AND BE SEEDED WITH GRASS AT A RATE OF 5 LBS/1000 SF, FERTILIZER, HAY MULCH OR SODDED, AS SHOWN ON THE PLANS. THIS INCLUDES ANY AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF THE CONTRACT LIMITS. THE CONTRACTOR SHALL WATER NEW TURF THROUGHOUT THE PERIOD REQUIRED TO ESTABLISH ACCEPTABLE TURF.

6. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.

7. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF RIDGEFIELD AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 816 AND SUPPLEMENTS.

8. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, 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 CODES.

9. 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 AS SHOWN ON THE PLANS, AND AUGMENTED AS NEEDED TO MINIMIZE WATER POLLUTION.

10. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT & EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION & MAINTAINED UNTIL PERMANENT COVER STABILIZATION IS ESTABLISHED. ALL SEDIMENT & EROSION CONTROL MEASURES SHALL CONFORM TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL", AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.

12. 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.

13. PRIOR TO DEMOLITION OF SIDEWALKS, CONTRACTOR SHALL SAWCUT SIDEWALKS THAT ABUT BUILDING FACADES IF SIDEWALKS CANNOT BE REMOVED FROM BUILDING FACADES WITHOUT DAMAGING THE BUILDING. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL EXISTING CURBS, PAVEMENTS AND SIDEWALKS WITHIN THE WORK AREA AS SHOWN ON THE PLANS.

14. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH APPROPRIATE UTILITY COMPANIES REGARDING RELOCATION OF THEIR FACILITIES AND SCHEDULING OF SUCH WORK.

15. THE CONTRACTOR SHOULD NOTE THAT ALL PRIVATE AND COMMERCIAL MAIL BOXES, SIGNS, ETC. ARE TO BE RELOCATED USING EXISTING SUPPORTS. WHERE EXISTING SUPPORTS ARE NOT SUITABLE FOR RELOCATION, THE CONTRACTOR SHALL PROVIDE A SIMILAR APPLICATION. THIS WORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. INSTALL EXPANSION JOINTS AGAINST ALL STRUCTURES TO REMAIN.

16. SIDEWALK SYSTEMS TO REMAIN IN PLACE SHALL BE SAWCUT AT THE NEAREST JOINT.

17. WHERE ROOF LEADERS EXIST, THEY ARE TO DISCHARGE IN THE SAME MANNER AND LOCATION AS THEY NOW FUNCTION.

18. WHERE EXISTING STORE OR BUILDING FACADES AND OTHER STRUCTURES THAT REST ON OR OVERHANG EXISTING SIDEWALKS, THE CONTRACTOR SHALL SAWCUT EXISTING SIDEWALK AS CLOSE AS POSSIBLE TO THE BUILDING FACADE. CONTRACTOR SHALL COORDINATE SIDEWALK REMOVAL AGAINST BUILDING FACADES WITH THE TOWN OF RIDGEFIELD PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL EXERCISE CARE IN SUCH A MANNER NOT TO DAMAGE THE FACADES. ANY DAMAGE SHALL BE REPAIRED TO EXISTING OR BETTER CONDITION AT CONTRACTOR'S EXPENSE.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING OF WATER SERVICE VALVES AS REQUIRED. CONTRACTOR SHALL ADJUST ELEVATIONS OF ALL EXISTING UTILITY CAPS AND COVERS SO THEY ARE FLUSH WITH FINISHED GRADES AND COORDINATE WITH APPROPRIATE UTILITY COMPANIES.

20. ALL PROPOSED SPOT GRADES ALONG CURB LINE INDICATE TOP AND BOTTOM OF CURB (TC, BC) UNLESS OTHERWISE INDICATED.

21. LOCATE AND PROTECT ALL ELECTRICAL SIGNALS, EQUIPMENT, AND APPURTENANCES. CONTRACTOR SHALL REPAIR ANY DAMAGED ITEMS AT HIS OR HER OWN EXPENSE.

22. THE CONTRACTOR SHALL COORDINATE ACCESS TO BUSINESSES AND RESIDENCES THROUGHOUT THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ACTIVE EXISTING DRIVEWAYS DURING CONSTRUCTION WITH BRIEF CLOSURES ALLOWED FOR FINAL PAVING OR OTHER RESTRICTING ACTIVITIES. REFER TO SPECIFICATION.

23. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE ESTABLISHED PER CONNDOT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SIGNS, CONES, DRUMS AND OTHER DEVICES NECESSARY TO SAFELY SHIFT TRAFFIC AND PROTECT THE WORK ZONE AND THE PUBLIC DURING CONSTRUCTION. THERE WILL BE NO SEPARATE PAYMENT FOR "MAINTENANCE AND PROTECTION OF TRAFFIC". THE COST FOR THIS WORK SHALL BE INCLUDED IN THE GENERAL COST OF THE CONTRACT. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC & POLICE PROTECTION FOR WORK TO BE PERFORMED BY CL&P.

24. ROUTE 35 IS A STATE HIGHWAY AND THE CONTRACTOR IS REQUIRED TO OBTAIN STATE ROADWAY ENCROACHMENT PERMIT AND PROVIDE TRAFFIC CONTROL PER THE CONTRACT SPECIFICATIONS.

25. CONTRACTOR SHALL VERIFY LOCATIONS OF EX. UTILITIES PRIOR TO INSTALLING LIGHT BASES. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTION.

26. CONTRACTOR SHALL PERFORM FINAL CLEAN UP TO THE SATISFACTION OF THE ENGINEER AND TOWN PRIOR TO APPLYING FOR FINAL PAYMENT.

PHASE II: BEGIN CONSTRUCTION: Sta 24+30 Left; 25+88 Right
END CONSTRUCTION: Sta 33+90 Left; 34+25 Right

BID ALTERNATE NO. 1

WORK IS TO INCLUDE ALL WORK ASSOCIATED WITH INSTALLATION OF ORNAMENTAL LIGHTS S-31 TO S-37 AND S-39 INCLUDING CONCRETE FOUNDATIONS, TRENCHING AND BACKFILLING, CONDUIT AND WIRING.

0 50' 100'

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REVISIONS

INDEX SHEET

RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II

DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

TRS	GB	TRS
DESIGNED	DRAWN	CHECKED

SCALE 1"=100'

DATE APRIL 15, 2016

PROJECT NO. 1716-15

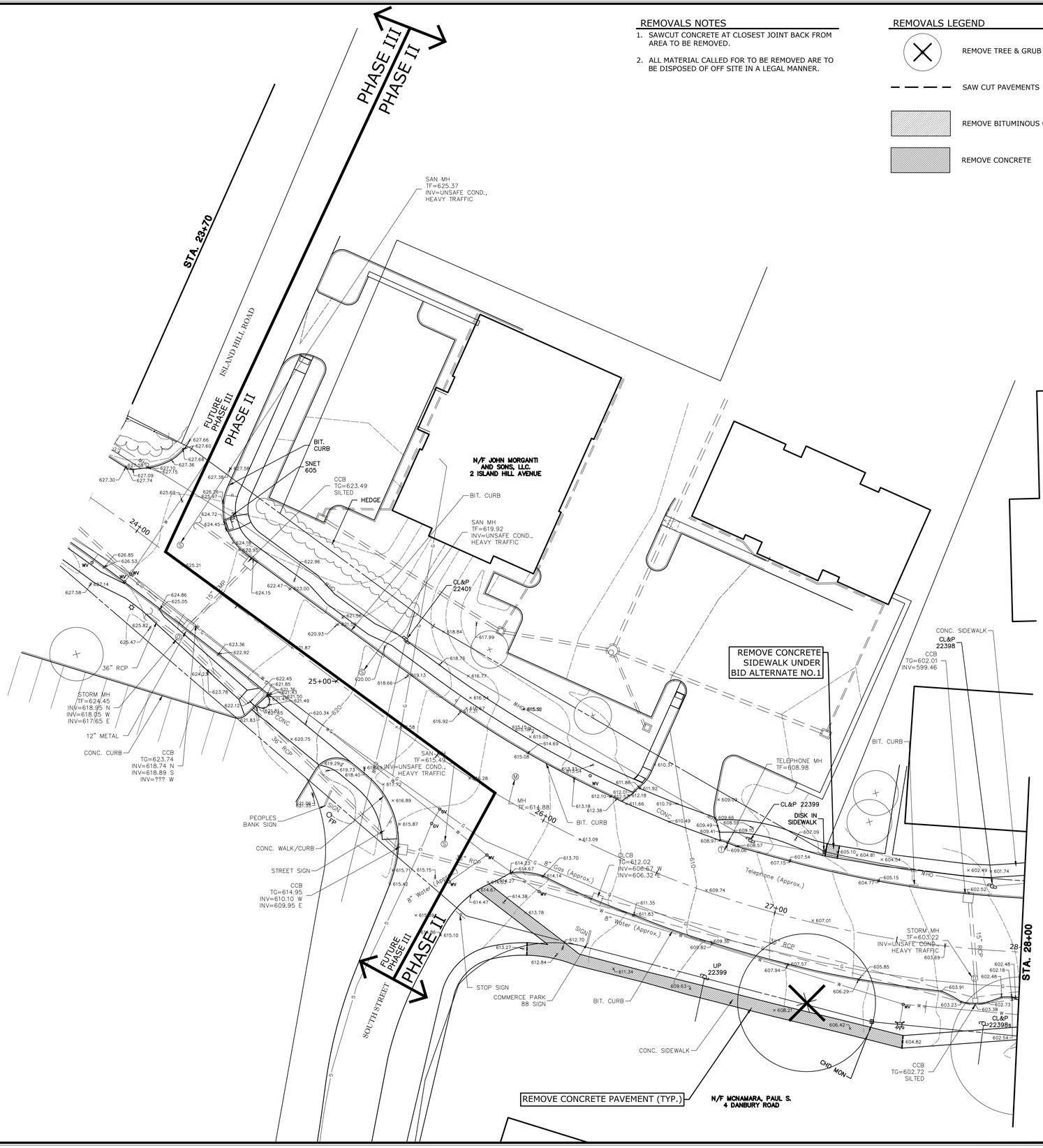
SHEET NO. IN

REMOVALS NOTES

1. SAWCUT CONCRETE AT CLOSEST JOINT BACK FROM AREA TO BE REMOVED.
2. ALL MATERIAL CALLED FOR TO BE REMOVED ARE TO BE DISPOSED OF OFF SITE IN A LEGAL MANNER.

REMOVALS LEGEND

- REMOVE TREE & GRUB
- SAW CUT PAVEMENTS
- REMOVE BITUMINOUS CONC.
- REMOVE CONCRETE



0 10' 20'

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SITE PLAN - EXISTING CONDITIONS & REMOVALS

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RIDGEFIELD, CONNECTICUT

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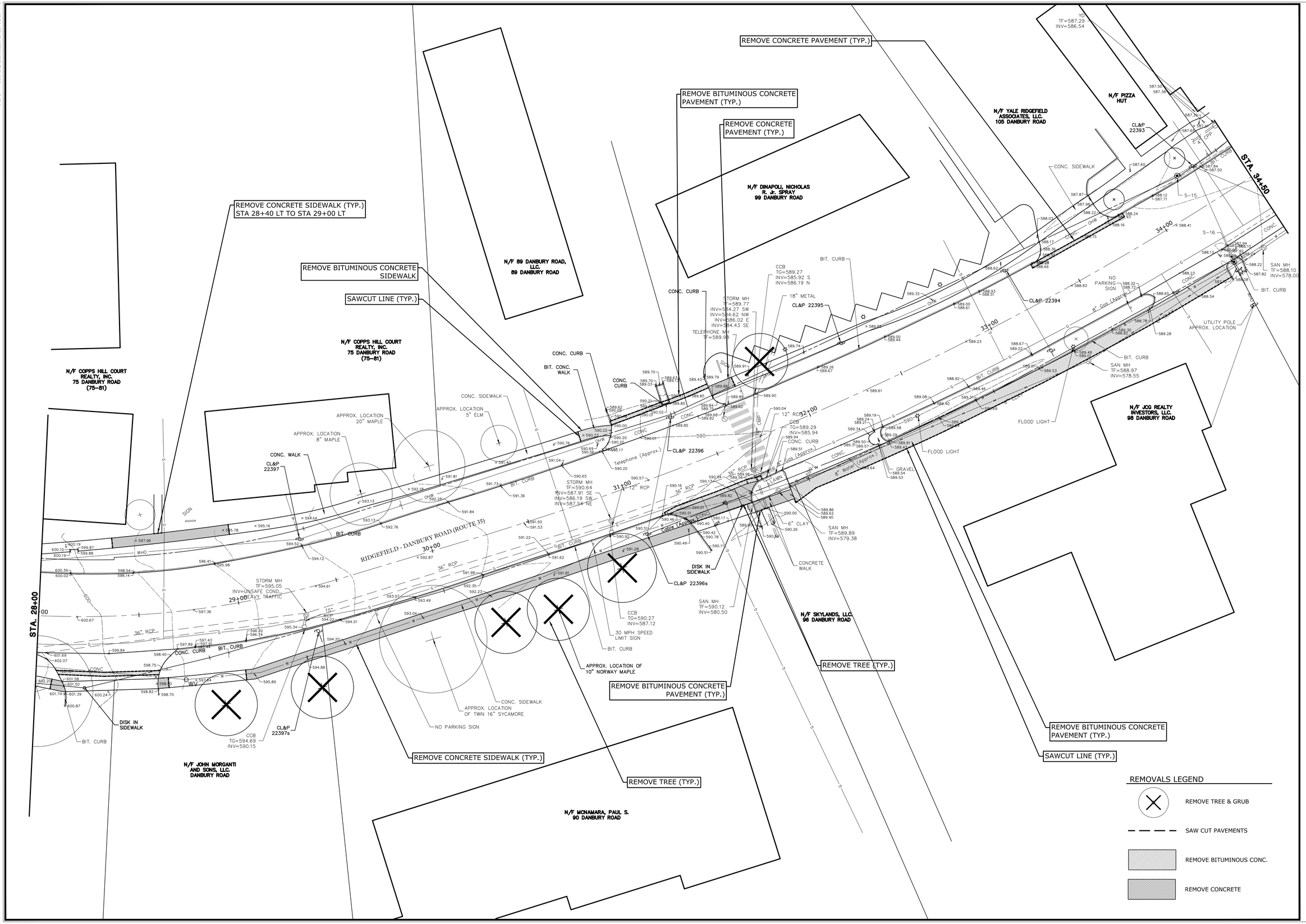
SHEET NO. EX-1



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RIDGEFIELD, CONNECTICUT

DESIGNED	DRAWN	CHECKED
-	GB	TRS

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DATE APRIL 15, 2016

PROJECT NO. 1716-15

SHEET NO. EX-2

PLANT SCHEDULE PHASE II

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
AR	4	Acer rubrum `Sun Valley`	Sun Valley Red Maple	3.5" Cal.	B&B
AC	3	Amelanchier canadensis `Autumn Brilliance`	Autumn Brilliance Serviceberry	8`/10` HT.	B&B, MULTI-STEM
CB	8	Carpinus betulus `Fastigiata`	Pyramidal European Hornbean	2.5" Cal.	B&B
CJ	4	Cercidiphyllum japonicum	Katsura Tree	3.5" Cal.	B&B
GB	2	Ginkgo biloba	Maidenhair Tree	3"-3.5" Cal.	B&B
PO	14	Prunus x okame	Okame Cherry	2.5" Cal.	B&B
SP	4	Stewartia pseudocamellia	Japanese Stewartia	2.5" Cal.	B&B

PLANTING NOTES

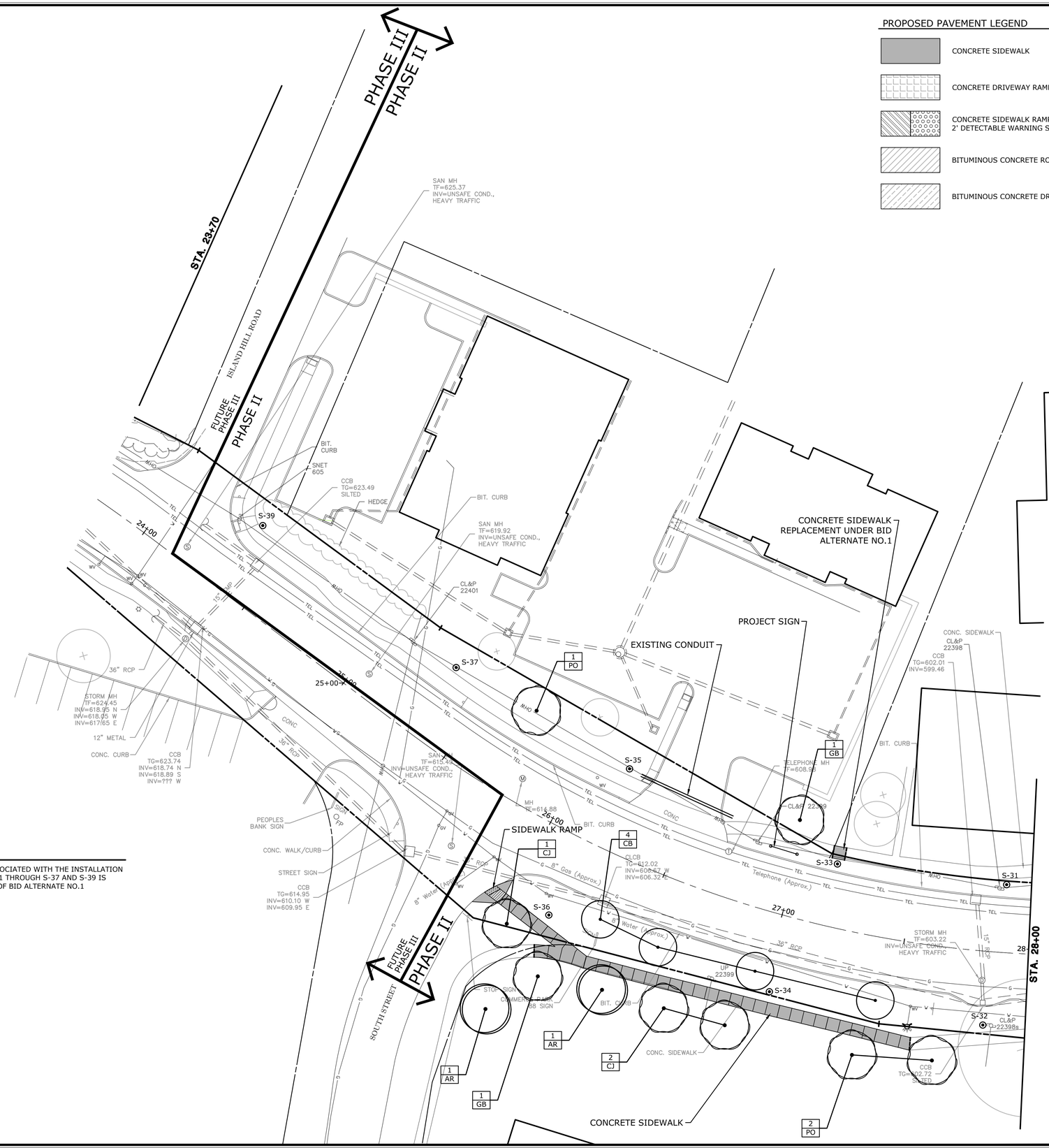
1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING PLANT PITS. HORIZONTAL FIELD ADJUSTMENTS MAY BE REQUIRED TO AVOID UTILITY CONFLICTS.
2. CONTRACTOR SHALL STAKE OUT PROPOSED TREE LOCATIONS AND CONTACT LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO EXCAVATION AND INSTALLATION.
3. ALL PLANTING BEDS SHALL HAVE 12" MINIMUM DEPTH OF TOPSOIL.
4. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 4" MIN. DEPTH OF SHREDDED BARK MULCH (AFTER COMPACTION) OVER ALL PLANTING BEDS AND TREE PLANTINGS. PAID UNDER ITEM "MULCHING"
5. ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO AND AFTER PLANTING.
6. PLANT SPECIES MAY BE ADJUSTED BASED ON AVAILABILITY AT TIME OF PLANTING. ALL PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
7. ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE PROMPT TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE IN AN UNHEALTHY CONDITION BY THE LANDSCAPE ARCHITECT. ALL REPLACEMENTS SHALL BE OF THE SAME KIND AND SIZE OF PLANTS SPECIFIED IN THE PLANT LIST, UNLESS OTHERWISE APPROVED.
8. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE LANDSCAPE ARCHITECT. MAINTENANCE SHALL INCLUDE WATERING, MULCHING, TIGHTENING & REPLACING OF GUYS, REPLACEMENT OF UNHEALTHY OR DEAD PLANTS, RESETTING PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, RESTORATION OF SAUCERS, AND ALL OTHER CARE NEEDED FOR PROPER GROWTH OF THE PLANTS.
9. CONTRACTOR TO REMOVE TREE STAKES AFTER ONE GROWING SEASON.
10. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT CALLED OUT TO BE RESTORED ARE TO BE TOPSOILED AND SEEDED TO LAWN AT NO ADDITIONAL COST TO THE TOWN.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING VEGETATION TO REMAIN. NO MECHANICAL OPERATIONS OR MATERIAL STORAGE IS TO TAKE PLACE WITHIN THE DRIP LINE OF PROTECTED TREES. VEGETATION DAMAGED BY CONTRACTOR IS TO BE ASSESSED BY A LICENSED ARBORIST WITH WRITTEN RECOMMENDATIONS SUBMITTED TO THE LANDSCAPE ARCHITECT. CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF ASSESSMENT AND REQUIRED REMEDIATION OR REPLACEMENT OF VEGETATION.

LAYOUT NOTES

1. THE CONTRACTOR IS REQUIRED TO VERIFY ALL DIMENSIONS AND CURVE DATA PRIOR TO ORDERING CURB. NO CLAIM MAY BE MADE ON THE BASIS OF ANY ERROR OR OMISSION RESULTING FROM THIS PLAN. THE PURPOSE OF THIS PLAN IS TO PROVIDE INFORMATION USEFUL IN THE ESTABLISHMENT OF LINE AND GRADE.
2. WHERE PROPOSED SIDEWALK AND CURB IS TO MEET EXISTING, CONTRACTOR SHALL MATCH EXISTING ALIGNMENT AND ELEVATIONS SO AS TO ENSURE PROPER DRAINAGE AND SO AS TO AVOID EXPOSED EDGES OR TRIP HAZARDS.
3. CONTRACTOR TO PROTECT ALL UTILITIES, INCLUDING UTILITY POLES, HYDRANTS AND GATE BOXES, DURING CONSTRUCTION WITH NO SEPARATE PAYMENT.
4. CONTRACTOR TO PROTECT ALL EXISTING TREES TO REMAIN, SHRUBS/BUSHES, RETAINING WALLS, CONCRETE STAIRS AND STEPS DURING CONSTRUCTION WITH NO SEPARATE PAYMENT.
5. THE CONTRACTOR'S SURVEYOR SHALL BE RESPONSIBLE FOR TRANSFERRING CONTROL POINTS IF THEY ARE SCHEDULED TO BE DISTURBED BY CONSTRUCTION WORK.
6. SEE ELECTRICAL SITE PLAN FOR NEW LIGHT POLE INFORMATION AND FOR THE LIGHT POLE AND FIXTURE SCHEDULE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING LIGHT POLE FOUNDATIONS. HORIZONTAL ADJUSTMENTS MAY BE REQUIRED TO AVOID UTILITY CONFLICTS. ENGINEER MUST APPROVE LOCATION PRIOR TO INSTALLATION.
7. DRIVEWAY WIDTH SHALL MATCH EXISTING UNLESS OTHERWISE DIMENSIONED, OR AS SHOWN ON THE PLANS
8. CONTRACTOR IS RESPONSIBLE FOR RE-SETTING ALL PROPERTY PINS AND MONUMENTS DISTURBED BY CONSTRUCTION ACTIVITIES.
9. ALL CATCH BASINS WITHIN PROJECT LIMITS SHALL BE PROTECTED WITH SILT SACKS.
10. CONTRACTOR TO REPLACE SHOULDER LINE MARKING IN KIND WHERE DISTURBED BY CONSTRUCTION ACTIVITY. THIS SHALL BE PAID FOR UNDER "PAVEMENT REPAIR".
11. CONTRACTOR TO REMOVE AND RELOCATE SIGNS AS REQUIRED TO COMPLETE CONSTRUCTION ACTIVITIES. RELOCATION OF SIGNS SHALL BE PAID FOR UNDER "REMOVAL AND RELOCATION OF EXISTING SIGNS"

NOTE:

ALL WORK ASSOCIATED WITH THE INSTALLATION OF LIGHTS S-31 THROUGH S-37 AND S-39 IS UNDER WORK OF BID ALTERNATE NO.1



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REVISIONS

SITE PLAN - LAYOUT & LANDSCAPING

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DESIGNED	DRAWN	CHECKED
TRS	GB	TRS

SCALE 1"=20'

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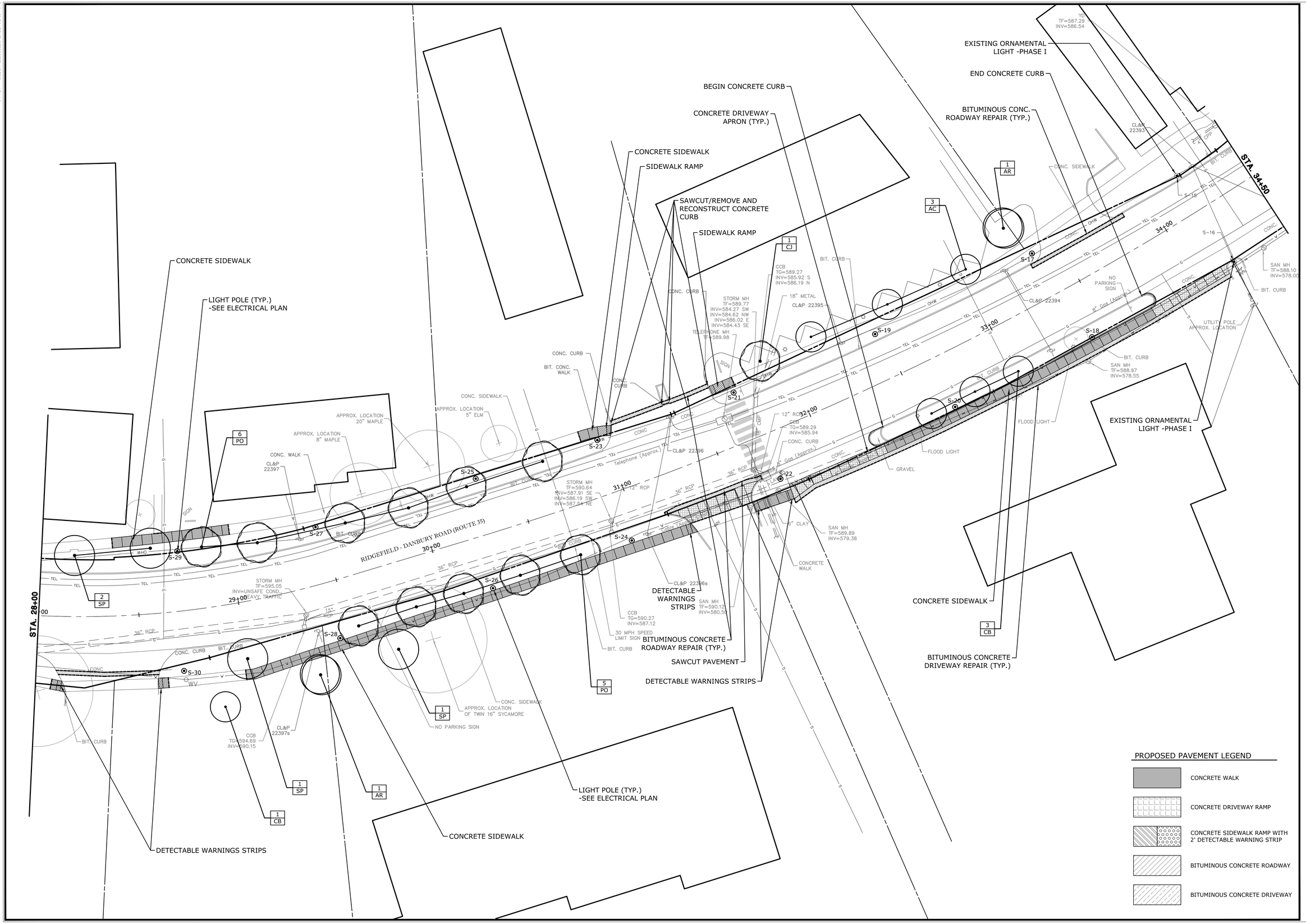
SHEET NO. LA-1



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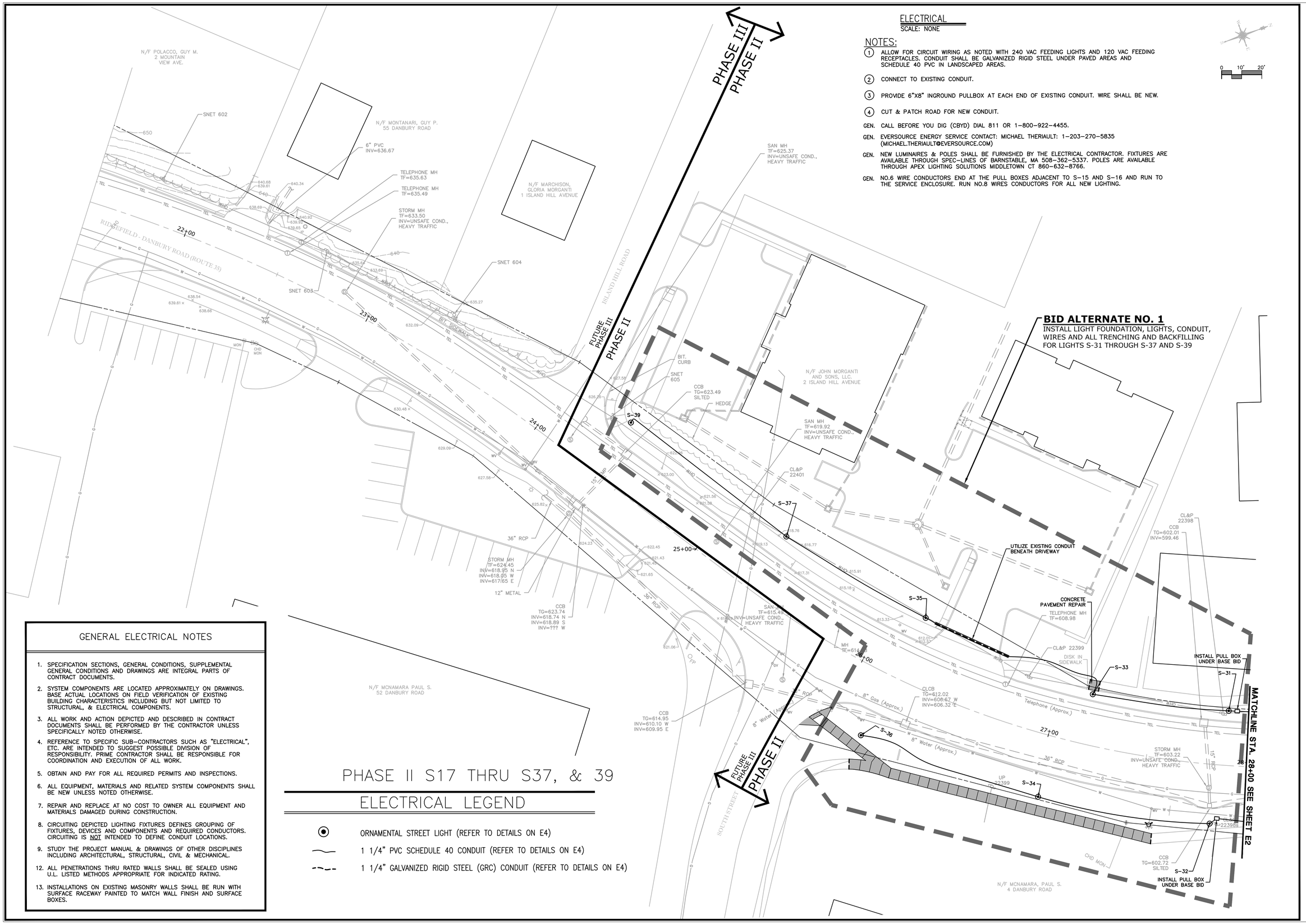
LA-2

SHEET NO.



ELECTRICAL
SCALE: NONE

NOTES:

1. ALLOW FOR CIRCUIT WIRING AS NOTED WITH 240 VAC FEEDING LIGHTS AND 120 VAC FEEDING RECEPTACLES. CONDUIT SHALL BE GALVANIZED RIGID STEEL UNDER PAVED AREAS AND SCHEDULE 40 PVC IN LANDSCAPED AREAS.
2. CONNECT TO EXISTING CONDUIT.
3. PROVIDE 6"X8" INGROUND PULLBOX AT EACH END OF EXISTING CONDUIT. WIRE SHALL BE NEW.
4. CUT & PATCH ROAD FOR NEW CONDUIT.

GEN. CALL BEFORE YOU DIG (CBYD) DIAL 811 OR 1-800-922-4455.

GEN. EVERSOURCE ENERGY SERVICE CONTACT: MICHAEL THERIAULT: 1-203-270-5835 (MICHAEL.THERIAULT@EVERSOURCE.COM)

GEN. NEW LUMINAIRES & POLES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. FIXTURES ARE AVAILABLE THROUGH SPEC-LINES OF BARNSTABLE, MA 508-362-5337. POLES ARE AVAILABLE THROUGH APEX LIGHTING SOLUTIONS MIDDLETOWN CT 860-632-8766.

GEN. NO.6 WIRE CONDUCTORS END AT THE PULL BOXES ADJACENT TO S-15 AND S-16 AND RUN TO THE SERVICE ENCLOSURE. RUN NO.8 WIRES CONDUCTORS FOR ALL NEW LIGHTING.

BID ALTERNATE NO. 1
INSTALL LIGHT FOUNDATION, LIGHTS, CONDUIT, WIRES AND ALL TRENCHING AND BACKFILLING FOR LIGHTS S-31 THROUGH S-37 AND S-39

GENERAL ELECTRICAL NOTES

1. SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
2. SYSTEM COMPONENTS ARE LOCATED APPROXIMATELY ON DRAWINGS. BASE ACTUAL LOCATIONS ON FIELD VERIFICATION OF EXISTING BUILDING CHARACTERISTICS INCLUDING BUT NOT LIMITED TO STRUCTURAL, & ELECTRICAL COMPONENTS.
3. ALL WORK AND ACTION DEPICTED AND DESCRIBED IN CONTRACT DOCUMENTS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
4. REFERENCE TO SPECIFIC SUB-CONTRACTORS SUCH AS "ELECTRICAL", ETC. ARE INTENDED TO SUGGEST POSSIBLE DIVISION OF RESPONSIBILITY. PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND EXECUTION OF ALL WORK.
5. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
6. ALL EQUIPMENT, MATERIALS AND RELATED SYSTEM COMPONENTS SHALL BE NEW UNLESS NOTED OTHERWISE.
7. REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
8. CIRCUITING DEPICTED LIGHTING FIXTURES DEFINES GROUPING OF FIXTURES, DEVICES AND COMPONENTS AND REQUIRED CONDUCTORS. CIRCUITING IS NOT INTENDED TO DEFINE CONDUIT LOCATIONS.
9. STUDY THE PROJECT MANUAL & DRAWINGS OF OTHER DISCIPLINES INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL & MECHANICAL.
12. ALL PENETRATIONS THRU RATED WALLS SHALL BE SEALED USING U.L. LISTED METHODS APPROPRIATE FOR INDICATED RATING.
13. INSTALLATIONS ON EXISTING MASONRY WALLS SHALL BE RUN WITH SURFACE RACEWAY PAINTED TO MATCH WALL FINISH AND SURFACE BOXES.

PHASE II S17 THRU S37, & 39

ELECTRICAL LEGEND

- ORNAMENTAL STREET LIGHT (REFER TO DETAILS ON E4)
- 1 1/4" PVC SCHEDULE 40 CONDUIT (REFER TO DETAILS ON E4)
- 1 1/4" GALVANIZED RIGID STEEL (GRC) CONDUIT (REFER TO DETAILS ON E4)

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REVISIONS

SITE PLAN - ELECTRICAL

RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II

DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

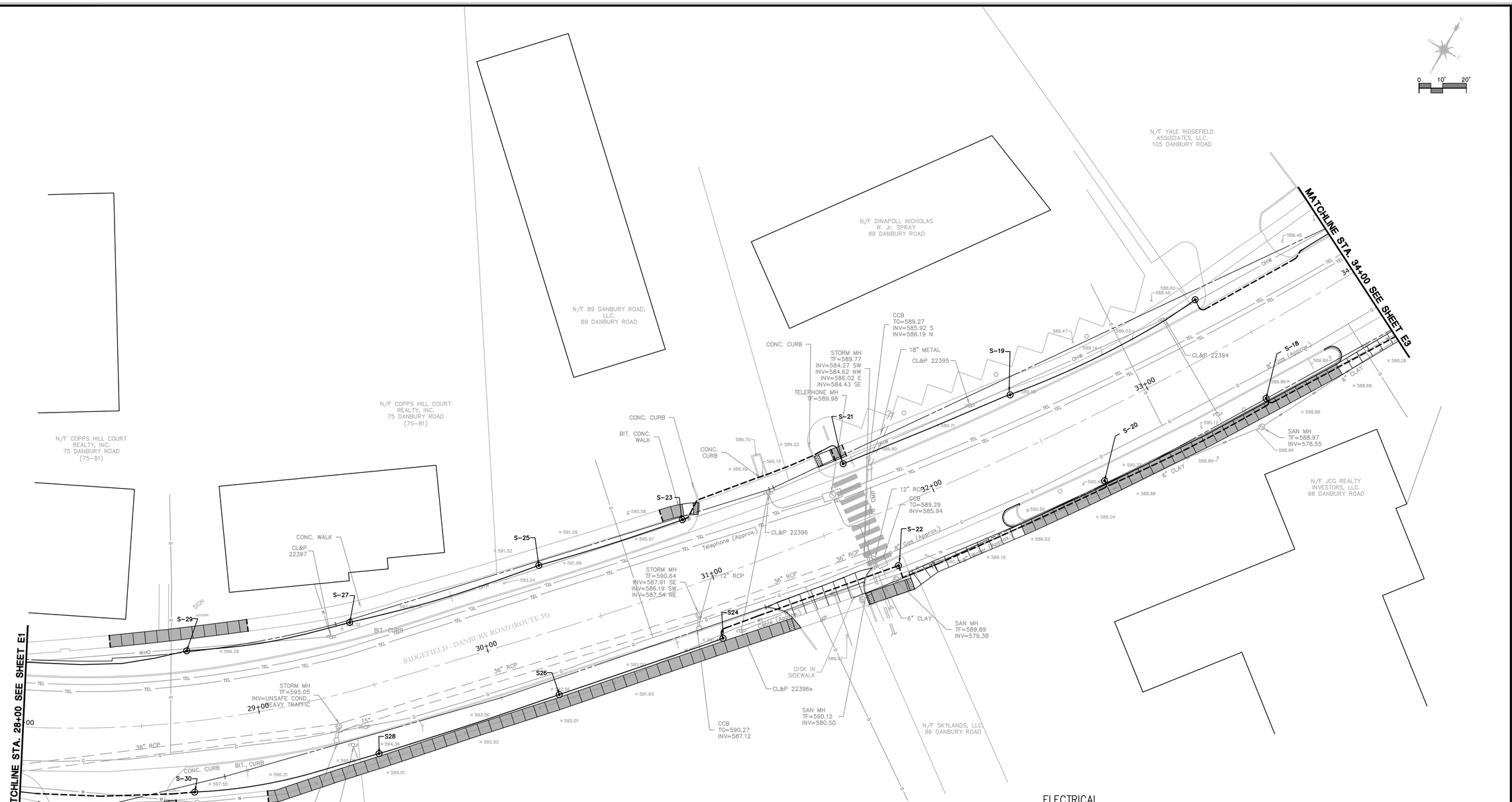
EB	EB	RRB
DESIGNED	DRAWN	CHECKED

SCALE 1" = 20'

DATE APRIL 15, 2016

PROJECT NO. 1716-15

SHEET NO. E1



ELECTRICAL
SCALE: NONE

NOTES:

1. ALLOW FOR CIRCUIT WIRING AS NOTED WITH 240 VAC FEEDING LIGHTS AND 120 VAC FEEDING RECEPTACLES. CONDUIT SHALL BE GALVANIZED RIGID STEEL UNDER PAVED AREAS AND SCHEDULE 40 PVC IN LANDSCAPED AREAS.
2. NOT USED.
3. PROVIDE 6"X8" INGROUND PULLBOX AT EACH END OF EXISTING CONDUIT. WIRE SHALL BE NEW.
4. CUT & PATCH ROAD FOR NEW CONDUIT.

GEN. CALL BEFORE YOU DIG (CBYD) DIAL 811 OR 1-800-922-4455.

GEN. EVERSOURCE ENERGY SERVICE CONTACT: MICHAEL THERIAULT: 1-203-270-5835 (MICHAEL.THERIAULT@EVERSOURCE.COM)

GEN. NEW LUMINAIRES & POLES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. FIXTURES ARE AVAILABLE THROUGH SPEC-LINES OF BARNSTABLE, MA 508-362-5337. POLES ARE AVAILABLE THROUGH APEX LIGHTING SOLUTIONS MIDDLETOWN CT 860-632-8766.

PHASE II S17 THRU S37, & 39

ELECTRICAL LEGEND

- ORNAMENTAL STREET LIGHT (REFER TO DETAILS ON E4)
- 1 1/4" PVC SCHEDULE 40 CONDUIT (REFER TO DETAILS ON E4)
- 1 1/4" GALVANIZED RIGID STEEL (GRC) CONDUIT (REFER TO DETAILS ON E4)

NOTE:

BID ALTERNATE NO.1 IS TO INCLUDE ALL WORK NECESSARY FOR INSTALLATION OF LIGHTS S-31 THROUGH S-37 AND S-39, INCLUDING CONCRETE FOUNDATION, TRENCHING AND BACKFILLING, CONDUITS, WIRING AND LIGHTS.

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REVISIONS

SITE PLAN - ELECTRICAL

RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II

DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

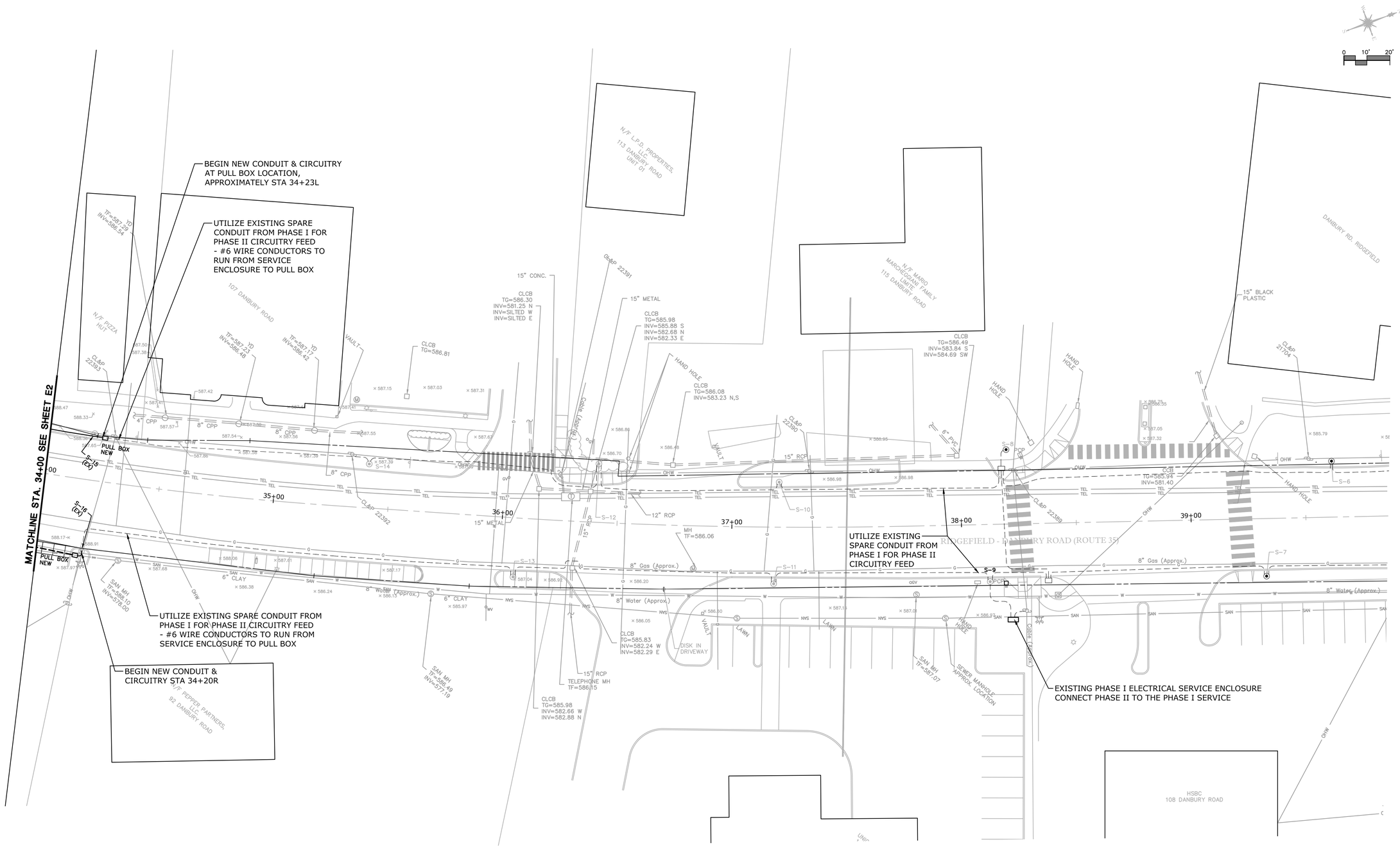
EB	EB	RRB
DESIGNED	DRAWN	CHECKED

SCALE 1" = 20'

DATE APRIL 15, 2016

PROJECT NO. 1716-15

SHEET NO. E2



PHASE II S17 THRU S37, & 39

ELECTRICAL LEGEND

- ORNAMENTAL STREET LIGHT (REFER TO DETAILS ON E4)
- 1 1/4" PVC SCHEDULE 40 CONDUIT (REFER TO DETAILS ON E4)
- 1 1/4" GALVANIZED RIGID STEEL (GRC) CONDUIT (REFER TO DETAILS ON E4)

ELECTRICAL 1-LINE DIAGRAM

SCALE: NONE

NOTES:

1. ALLOW FOR CIRCUIT WIRING AS NOTED WITH 240 VAC FEEDING LIGHTS AND 120 VAC FEEDING RECEPTACLES. CONDUIT SHALL BE GALVANIZED RIGID STEEL UNDER PAVED AREAS AND SCHEDULE 40 PVC IN LANDSCAPED AREAS.
2. NOT USED.
3. PROVIDE 6"X8" INGROUND PULLBOX AT EACH END OF EXISTING CONDUIT. WIRE SHALL BE NEW.
4. CUT & PATCH ROAD FOR NEW CONDUIT.

GEN. CALL BEFORE YOU DIG (CBYD) DIAL 811 OR 1-800-922-4455.

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REVISIONS

SITE PLAN - ELECTRICAL

RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II

DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

EB	EB	RRB
DESIGNED	DRAWN	CHECKED

SCALE 1" = 20'

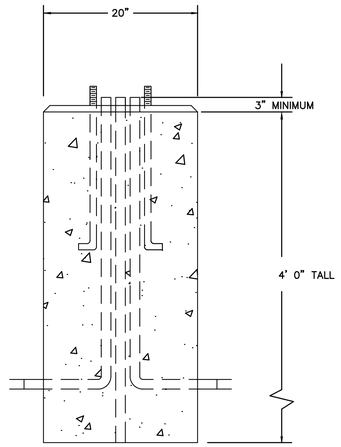
DATE APRIL 15, 2016

PROJECT NO. 1716-15

SHEET NO. E3

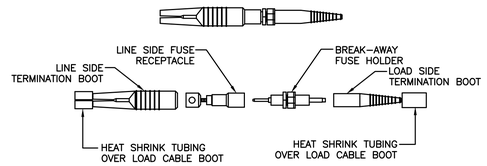
DESIGN NOTES:

1 – CLASS 'A' CONCRETE 4000 PSI AT 28 DAYS.
2 – ANCHOR BOLTS AND GROUNDING AS SPECIFIED BY OEM.
3 – BALLAST POURED AROUND BASE IF REQUIRED.
4 – BOLT PROJECTION AS SPECIFIED BY POLE MANUFACTURER.
5 – 3/4" X 10' UL LISTED COPPER BONDED GROUND ROD.
6 – SEE PLAN FOR CONDUIT SIZES.
7 – ELECTRICAL CONTRACTOR TO COORDINATE CONDUIT ENTRANCE INTO THE FOUNDATION(S) PER SITE CONDITIONS/REQUIREMENTS.

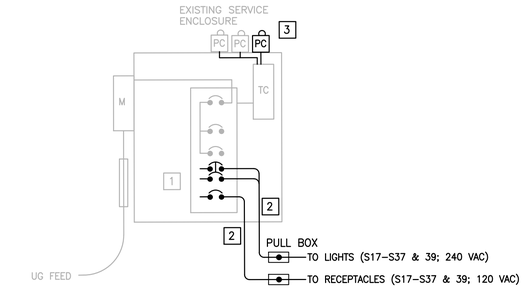


FRONT VIEW

POLE FOUNDATION DETAIL
SCALE: NONE



BREAK–AWAY FUSE HOLDER
SCALE: NONE



SERVICE ENCLOSURE DETAIL (EXISTING)
SCALE: NONE

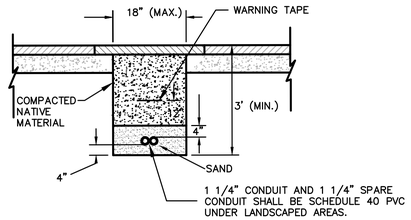
NOTES:

1 FURNISH & INSTALL TWO 30/2P BREAKERS FOR LIGHTING CIRCUITS, TWO 20/1P BREAKERS FOR RECEPTACLES CIRCUITS.

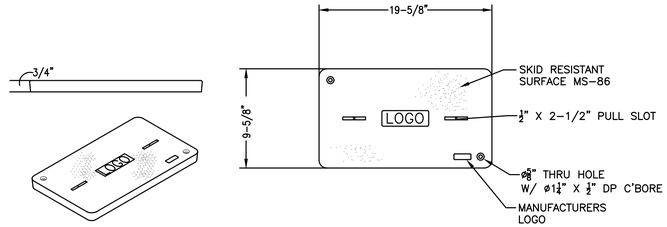
2 FURNISH & INSTALL # 6 AWG THHW–2 FROM EXISTING SERVICE ENCLOSURE TO NEW PULL BOX LOCATIONS, RUN #8 AWG THHW–2 FROM THAT POINT ON.

3 PROVIDE ONE 2–POLE CONTACTOR AND A PHOTOCELL (PC). MOUNTED ON TOP OF SERVICE ENCLOSURES FOR THE LIGHTING CIRCUIT CONTROL. PROVICE ONE 2–POLE CONTACTOR TO CONTROL POWER RECEPTACLE CIRCUIT,

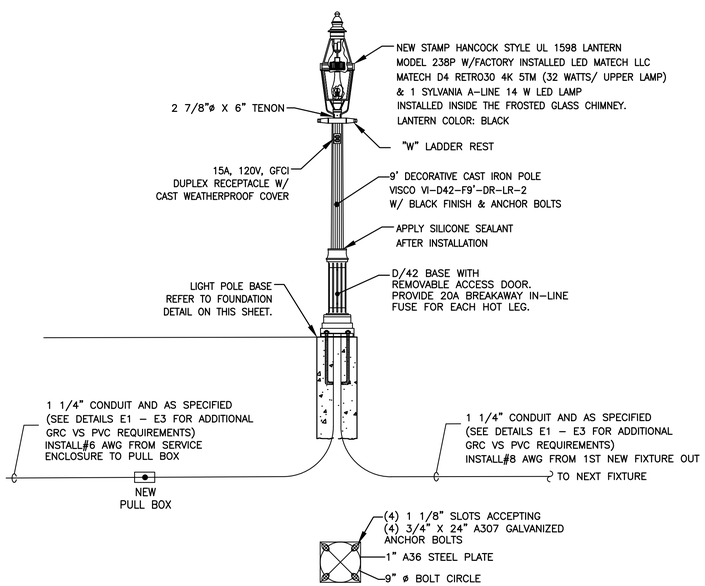
4 PROVIDE AND INSTALL A DIN RAIL TRACK & CLIPS TO PROPERLY SECURE EXISTING CONTACTOR MOUNTING, THE EXISTING ARE PRESENTLY UNSECURED IN THE BOTTOM OF THE SERVICE ENCLOSURE.



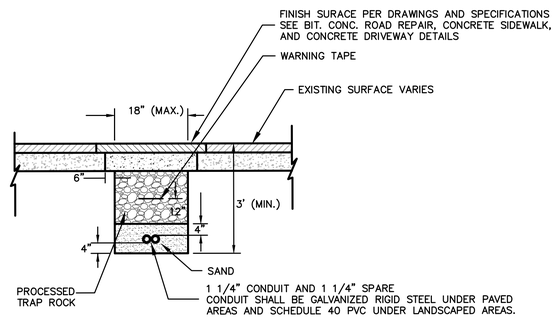
LANDSCAPED AREA CONDUIT TRENCHING AND BACKFILLING
SCALE: NONE



JUNCTION/PULL BOX COVER DETAIL
SCALE: NONE

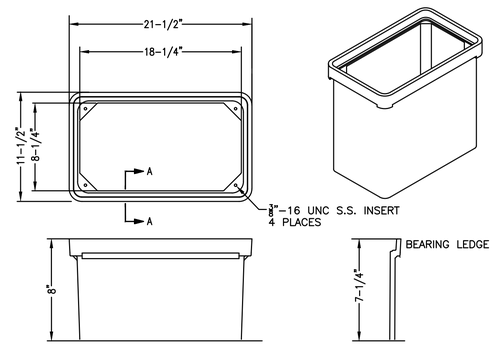


BASE PLATE DETAIL
SCALE: NONE



NOTE #1– IF EXCAVATION IS ADJACENT TO EXISTING CURB, ADDITIONAL PRECAUTIONS ARE TO BE TAKEN TO AVOID DISPLACEMENT OF CURBING

CONDUIT TRENCHING AND BACKFILLING
SCALE: NONE



IN–GROUND JUNCTION/PULL BOX DETAIL
SCALE: NONE

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REVISIONS

ELECTRICAL DETAILS
RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II
DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

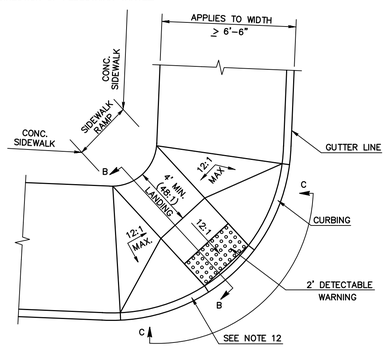
EB	EB	RRB
DESIGNED	DRAWN	CHECKED

SCALE NTS
DATE APRIL 15, 2016
PROJECT NO. 1716-15

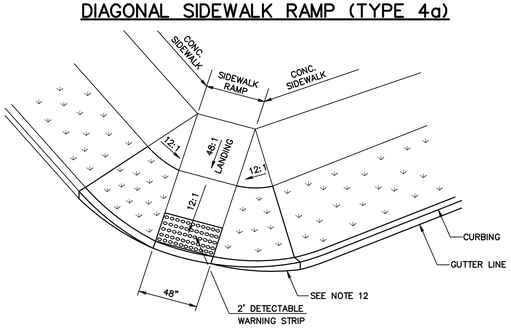
SHEET NO. E4

GENERAL NOTES

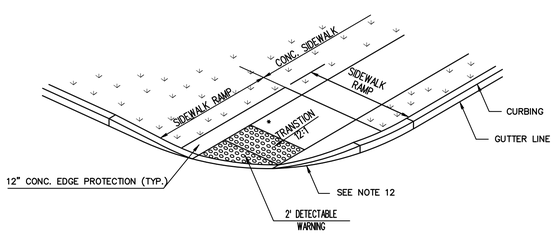
1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS ARTICLE M.03.01.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADAAG SECTION 4.5.
5. * DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 2' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. RAISED ISLANDS IN MARKED CROSSINGS SHALL HAVE SIDEWALK RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 4' LONG BETWEEN THE RAMPS. IF THIS CAN NOT BE ACHIEVED, THE RAISED ISLAND SHALL BE CUT THROUGH LEVEL WITH THE ROADWAY AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED AND PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK RAMP", INCLUDING CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP AND DETECTABLE WARNING STRIPS.
10. CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF FORM 816 SECTIONS 8.11 AND 8.13.
11. HANDICAP RAMPS CONFORMING WITH CONNECTICUT GENERAL STATUTES, SEC. 7-118a, SHALL BE INCORPORATED IN ALL PROPOSED SIDEWALKS AT ALL STREET INTERSECTIONS, AND AT ALL OTHER LOCATIONS WHERE THE GRADE OF A DRIVEWAY OR OTHER FACILITY TAKES PRECEDENCE OVER THE GRADE OF THE PROPOSED SIDEWALK.
12. TRANSITION TO FULL HEIGHT CURB. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
13. INSTALL THE EDGE OF THE DETECTABLE WARNING 6" FROM THE EDGE OF ROAD.
14. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID. IN THE DIRECTION OF PEDESTRIAN TRAVEL.



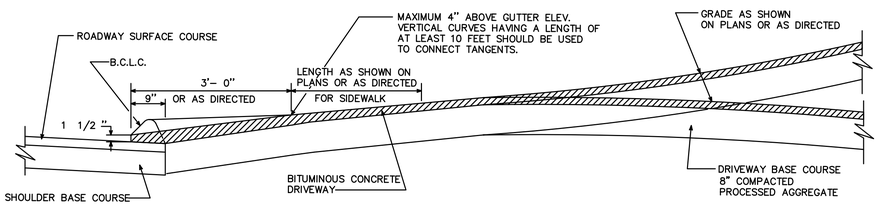
DIAGONAL SIDEWALK RAMP (TYPE 4a)

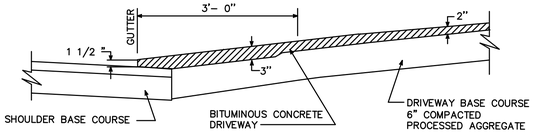


DIAGONAL SIDEWALK RAMP (TYPE 4c)

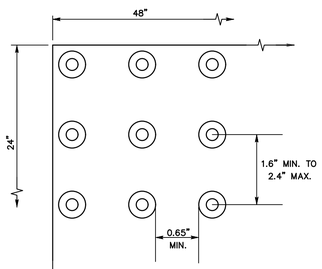


DIAGONALSIDEWALK RAMP (TYPE 4d)

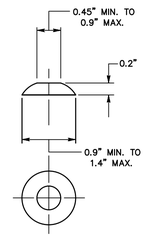




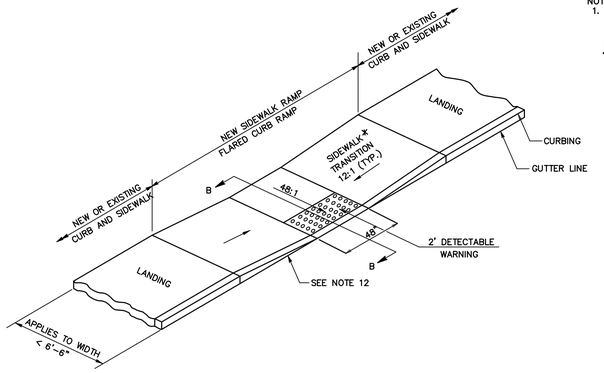
BITUMINOUS CONCRETE DRIVES
NOT TO SCALE



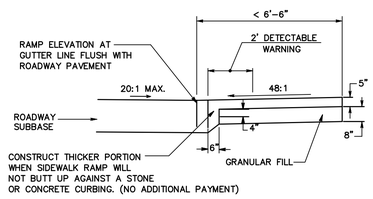
DOME SPACING



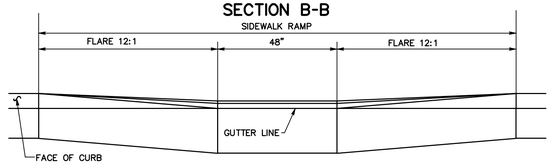
DOME SECTION



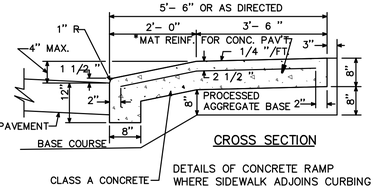
PARALLEL SIDEWALK RAMP (TYPE 1)



DIAGONAL SIDEWALK RAMP (TYPE 4a)
SECTION B-B

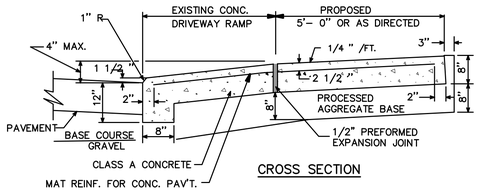


DIAGONAL SIDEWALK RAMP (TYPE 4a)
SECTION C-C



CROSS SECTION

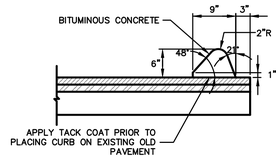
DETAILS OF CONCRETE RAMP WHERE SIDEWALK ADJOINS CURBING



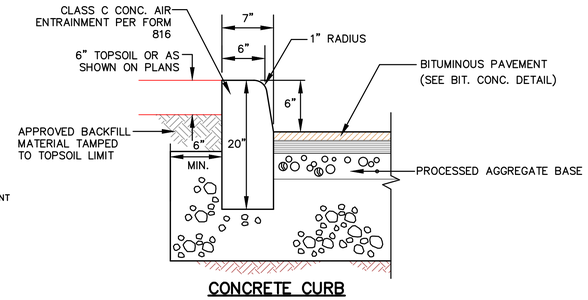
CROSS SECTION

DETAILS OF CONCRETE RAMP WHERE CURB IS SEPARATED FROM SIDEWALK BY GRASS PLOT

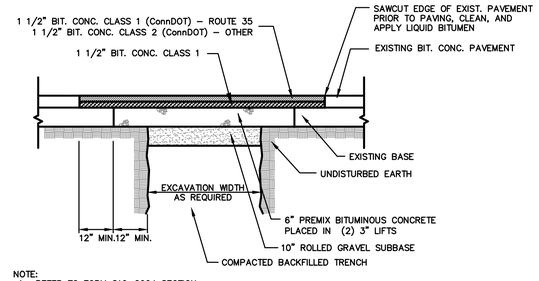
CONCRETE DRIVEWAY RAMPS
NOT TO SCALE



BITUMINOUS CONCRETE LIP CURBING
NOT TO SCALE

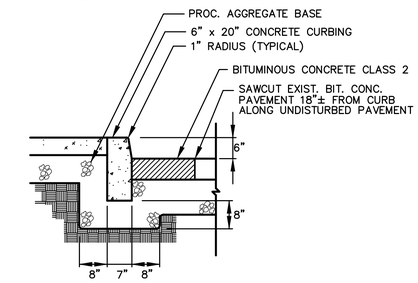


CONCRETE CURB
NOT TO SCALE

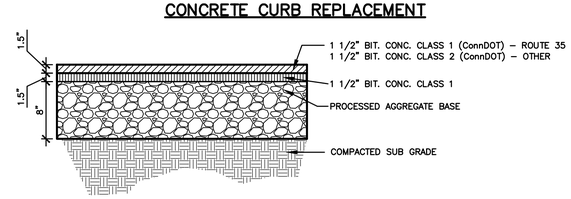


NOTE:
1. REFER TO FORM 816-2004 SECTION 4.06 AND CTDOT DESIGN MANUAL

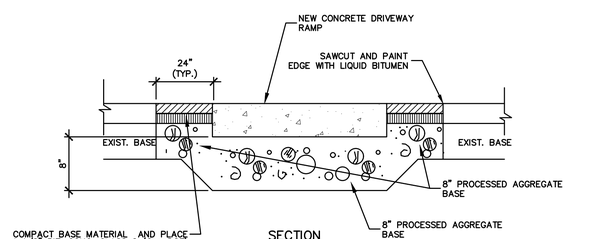
BITUMINOUS CONCRETE ROADWAY REPAIR
NOT TO SCALE



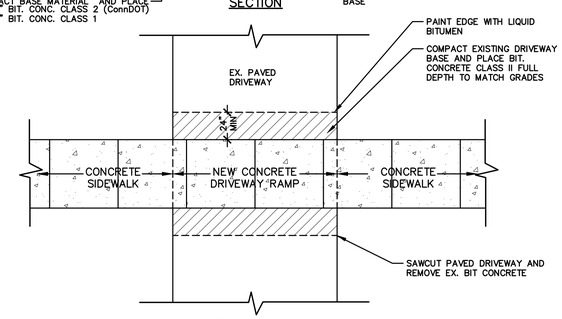
CONCRETE CURB REPLACEMENT



BITUMINOUS CONCRETE PAVEMENT (DRIVEWAY)
N.T.S.

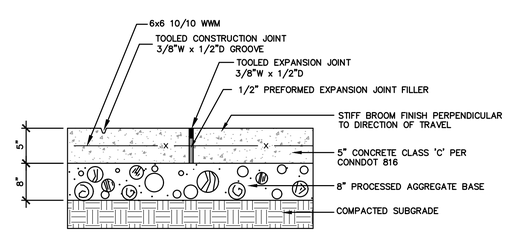


SECTION



PLAN

BITUMINOUS CONCRETE DRIVEWAY REPAIR
NOT TO SCALE



NOTE: EXP. JOINTS 20' O.C. MAX.
CONSTRUCTION JOINTS 5' O.C. TYP. (OR AS SHOWN ON PLANS)

CONCRETE SIDEWALK
NOT TO SCALE

NOTES:

1. NO POLYETHYLENE SHEET CURING WILL BE ALLOWED ON WALKS, UNLESS RAIN IS FORECAST WITH IN 24 HRS. OF CONCRETE PLACEMENT. IN THIS CASE "TENTING" WITH POLYETHYLENE WILL BE REQUIRED. AT ALL OTHER TIMES A LIQUID CURING COMPOUND SHALL BE USED. SEE DOT FORM 816 4.01.03 FOR ACCEPTED CURING AGENTS.
2. ALL WALKS HAVE 1/4" PER 1' CROSS SLOPE TOWARDS THE STREET UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL SIDEWALK PANELS INCLUDING EDGES AND JOINTS SHALL BE TOOLED IN A "PICTURE FRAME" MANNER.
4. FINISH GRADE OF PROPOSED SIDEWALK AT THE CENTERLINE IS DENOTED BY SPOT ELEVATIONS ON THE PLANS. SIDEWALKS SHALL BE INSTALLED AT A CONTINUOUS GRADE BETWEEN SPOT ELEVATIONS AND SHALL SLOPE TOWARD THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

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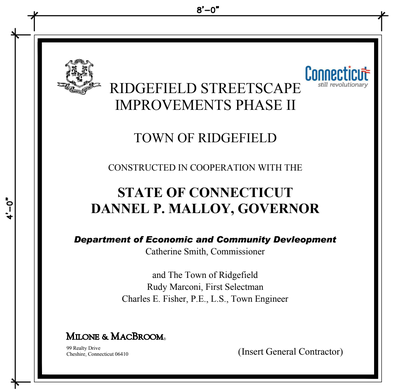
REVISIONS

SITE DETAILS
RIDGEFIELD STREETSCAPE IMPROVEMENTS PHASE II
DANBURY ROAD (ROUTE 35)
RIDGEFIELD, CONNECTICUT

XXX	XXX	--
DESIGNED	DRAWN	CHECKED

SCALE AS NOTED
DATE APRIL 15, 2016
PROJECT NO. 1716-15

SHEET NO. SD-1



NOTES:
SIGN PANEL: 3/4" MDO-EXT-APA PLYWOOD SUPPORTED WITH (2) 4x4 TREATED WOOD COLUMNS AND SECURED 4' INTO GRADE. TOP OF SIGN AT 8'-0" ABOVE GRADE.

COLORS: ALL LETTERS AND SYMBOLS ARE TO BE ROYAL BLUE. THE BACKGROUND WILL BE WHITE ENAMEL. BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK.

TYPEFACE: HELVETICA MEDIUM

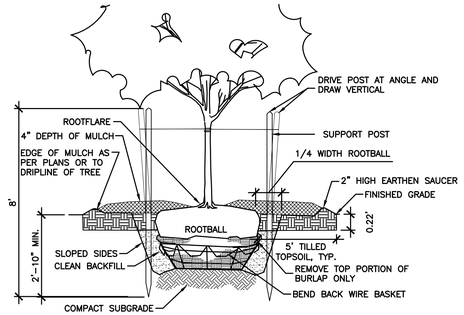
STATE SEAL AND LOGO: WILL BE REQUIRED ON SIGN.

LOCATION: SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC.

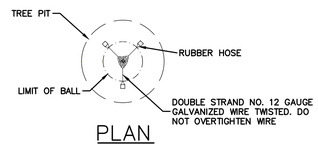
TIMING: INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION.

PROJECT SIGN – ECONOMIC DEVELOPMENT

SCALE: N.T.S.



SECTION

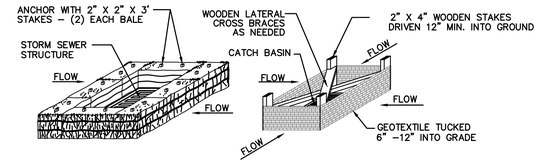


PLAN

NOTES:
1. SUPPORT STAKES SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION

TREE DETAIL

N.T.S.



HAY BALE INSTALLATION AT CATCH BASIN

SILT FENCE INSTALLATION AT CATCH BASIN

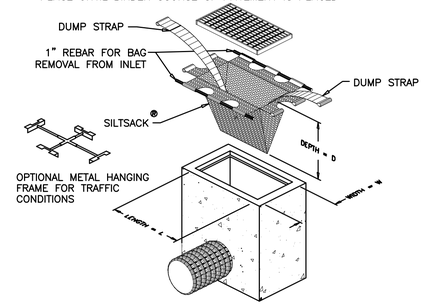
CATCH BASIN IN A DEPRESSION

SEDIMENTATION CONTROL SYSTEM FOR CATCH BASIN IN PAVED AREAS

N.T.S.

NOTE:
CONTRACTOR SHALL PROTECT DRAINAGE INLETS IMMEDIATELY ADJACENT OR DOWN GRADIENT FROM THE WORK. THIS WORK SHALL BE PAID FOR AS "SEDIMENT CONTROL SYSTEM AT CATCH BASIN".

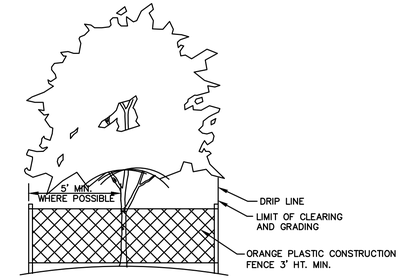
WHERE EX. PAVEMENT IS TO BE DISTURBED, INLET PROTECTION IS TO REMAIN IN PLACE UNTIL BINDER COURSE OF PAVEMENT IS PLACED

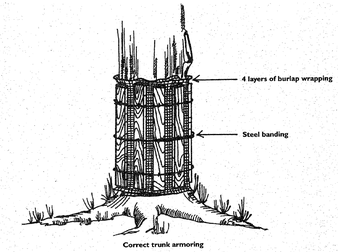


SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN

N.T.S.

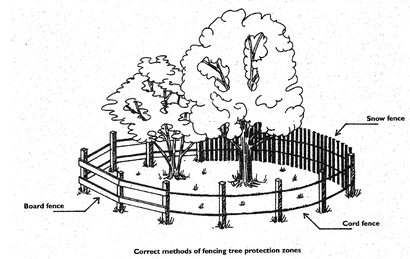
B





Correct trunk armoring

Note: Use for protecting street trees adjacent to construction area where paved surfaces make it impractical to establish tree protection zone.



Correct methods of fencing tree protection zones

SOURCE: 2002 CT. GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

NOTE:
TREE PROTECTION PAID FOR UNDER "CLEARING AND GRUBBING"

ALTERNATE TREE PROTECTION DETAILS

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XXX	XXX	--
DESIGNED	DRAWN	CHECKED

SCALE AS NOTED

DATE APRIL 15, 2016

PROJECT NO. 1716-15

SD-2

SHEET NO.