

NEW FAIR HAVEN POLICE DEPARTMENT BUILDING

35 FISK STREET

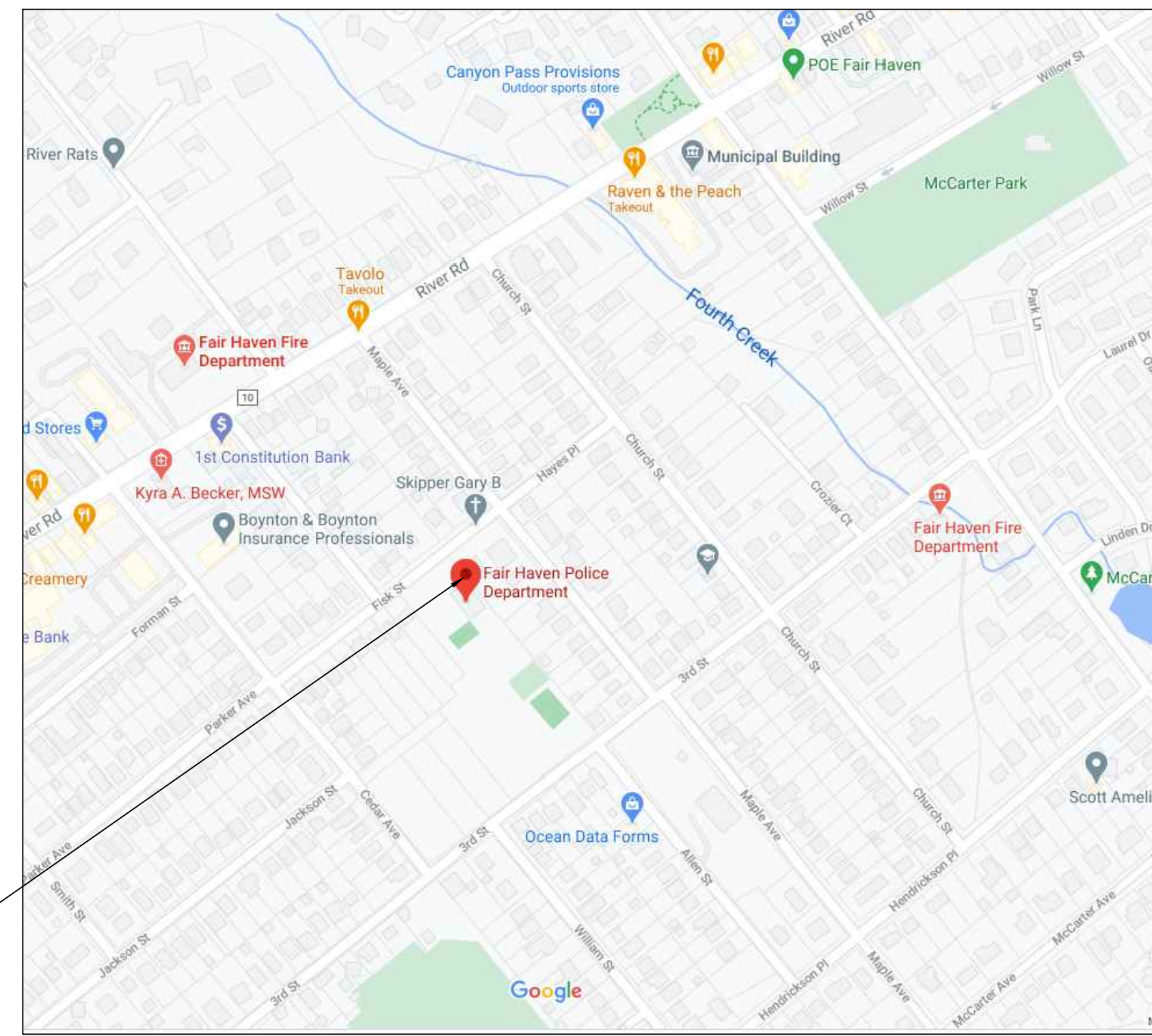
BLOCK 39 & LOT 20.01

BOROUGH OF FAIR HAVEN

MONMOUTH COUNTY, NEW JERSEY

APPLICANT/OWNER:
 TOWNSHIP OF FAIR HAVEN
 748 RIVER ROAD
 FAIR HAVEN, NJ 07704
 Tel: (732) 747-0241

ENGINEER:
 FRANK H. LEHR ASSOCIATES
 101 SOUTH HARRISON STREET
 EAST ORANGE, NEW JERSEY 07018-1799
 TEL: (973) 673-2520
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KEY PLAN

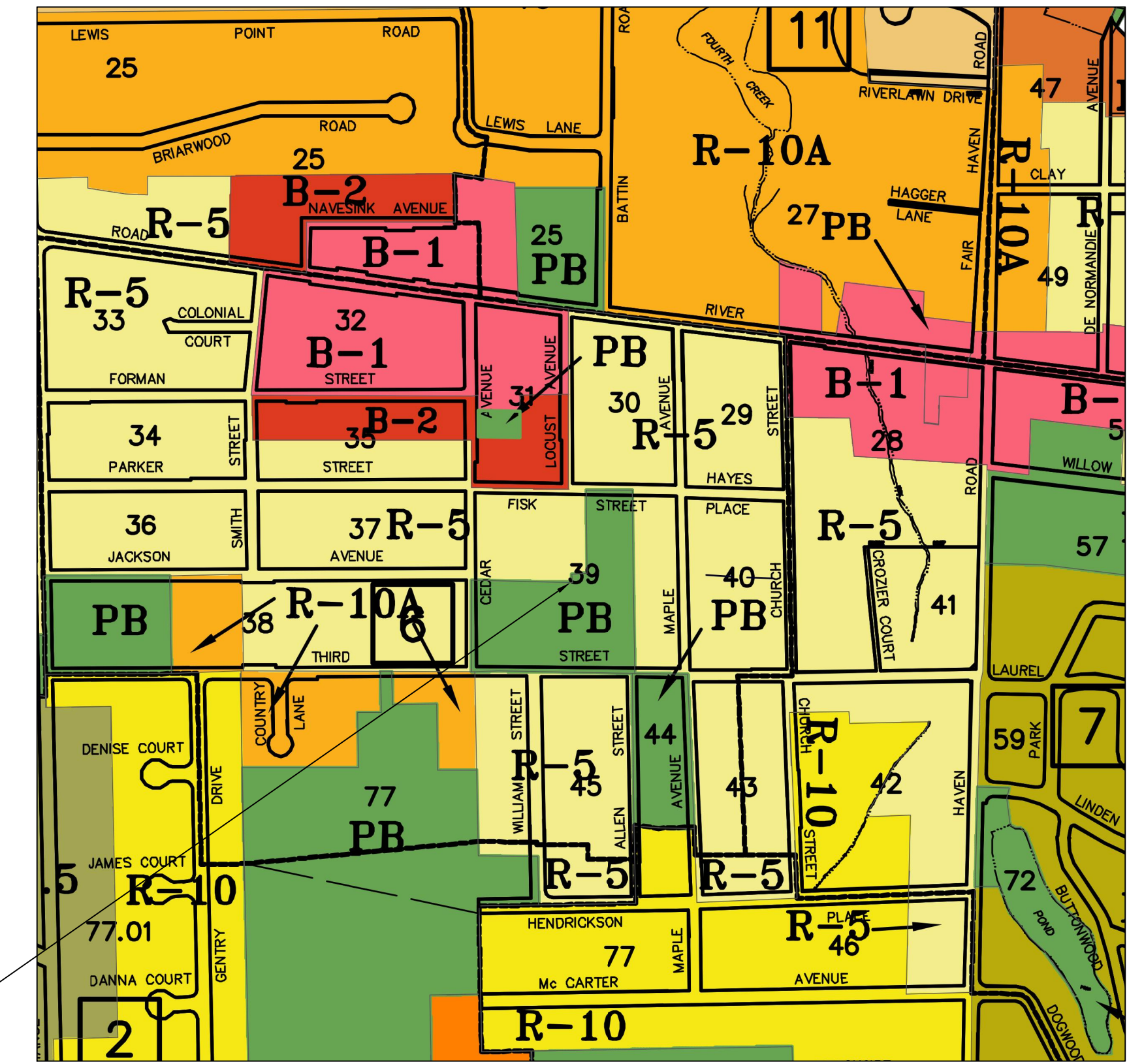
Borough of Fair Haven

Mayor
 Mayor Joshua Halpern

Borough Council

- Councilwoman Meghan Chrisner-Keefe
- Councilwoman Tracy Cole
- Councilwoman Elizabeth Koch
- Councilman Michael McCue
- Councilwoman Laline Neff
- Councilman Christopher Rodriguez

Administrator
 Theresa S. Casagrande



ZONING MAP

ZONING TABLE

BOROUGH OF FAIR HAVEN		Block 39; Lot 20.01	
PARCEL:		Public Use	
ZONE DISTRICT:		Police Department Building	
EXISTING USE:		Police Department Building	
PROPOSED USE:		Police Department Building	
REGULATION:	R-5 Zone	PB Zone	EXISTING PROPOSED
USE:		Municipal Facilities	Municipal Facility Municipal Facility
LOT			
Area	5000 SF	N/A	29,128 SF 0.67 AC
Width	50 FT	N/A	155.57 FT
Depth	100 FT	N/A	161.94 FT
YARD			
Front	25 FT	N/A	68.3 FT 28.33 FT
Rear	30 FT	N/A	58.6 56.9 FT
Side	7 FT & 16 FT	N/A	8.24 FT 31.8 FT
IMPERVIOUS COVERAGE			
Lot Coverage (Imperv. Coverage)	50%	N/A	21,923 SF 75.3% 20,911 SF 71.8%
Building Coverage	35%	N/A	4,104 SF 14.3% 3,750 SF 12.5%
Height	30 FT	N/A	25 FT 32 FT (36 to top of Chimney)
Max Stories	2.5	N/A	2 2

PROJECT DESCRIPTION

Proposed construction of a new Police Department Building. Site will have 27 parking spaces. The site will also provide access to the park to the rear of the site. On site lighting will be dusk to dawn.

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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN

35 FISK STREET
 BLOCK 39 LOT 20.01
 FAIR HAVEN, NJ 07704

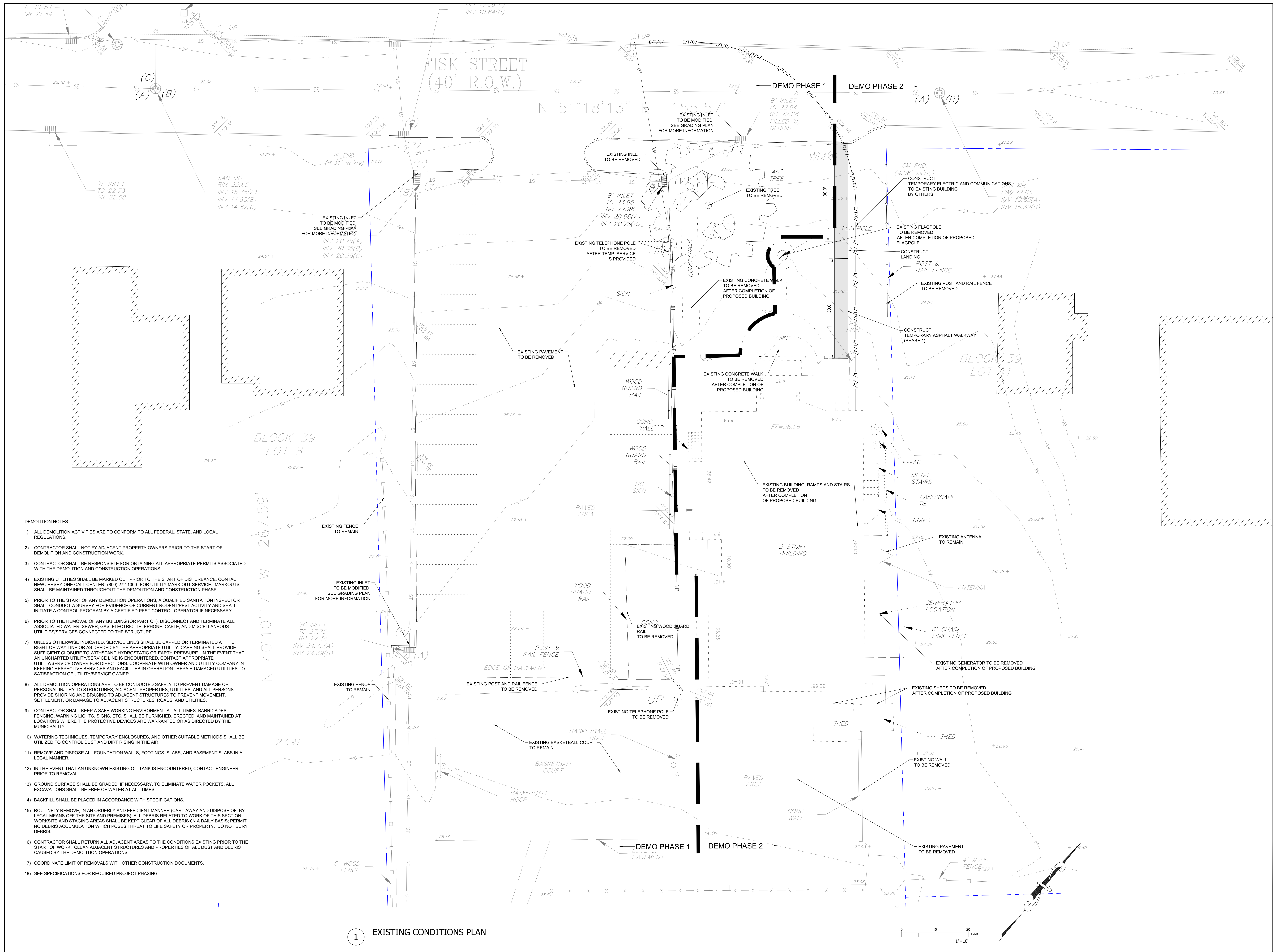
COVER SHEET

SCALE: AS NOTED
 DATE: 02/20/22

DRAWN BY: CMC/ELB
 CMC/ELB

THIS DRAWING IS INCOMPLETE UNLESS USED WITH ALL OTHER CONTRACT DOCUMENTS.

DRAWING NUMBER
C-101
 SHEET OF X



- DEMOLITION NOTES**
- ALL DEMOLITION ACTIVITIES ARE TO CONFORM TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPROPRIATE PERMITS ASSOCIATED WITH THE DEMOLITION AND CONSTRUCTION OPERATIONS.
 - EXISTING UTILITIES SHALL BE MARKED OUT PRIOR TO THE START OF DISTURBANCE. CONTACT NEW JERSEY ONE CALL CENTER-(800) 272-1600-FOR UTILITY MARK OUT SERVICE. MARKOUTS SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASE.
 - PRIOR TO THE START OF ANY DEMOLITION OPERATIONS, A QUALIFIED SANITATION INSPECTOR SHALL CONDUCT A SURVEY FOR EVIDENCE OF CURRENT PEST INFESTATION AND SHALL INITIATE A CONTROL PROGRAM BY A CERTIFIED PEST CONTROL OPERATOR IF NECESSARY.
 - PRIOR TO THE REMOVAL OF ANY BUILDING (OR PART OF), DISCONNECT AND TERMINATE ALL ASSOCIATED WATER, SEWER, GAS, ELECTRIC, TELEPHONE, CABLE, AND MISCELLANEOUS UTILITIES/SERVICES CONNECTED TO THE STRUCTURE.
 - UNLESS OTHERWISE INDICATED, SERVICE LINES SHALL BE CAPPED OR TERMINATED AT THE RIGHT-OF-WAY LINE OR AS DEEDED BY THE APPROPRIATE UTILITY. CAPPING SHALL PROVIDE SUFFICIENT CLOSURE TO WITHSTAND HYDROSTATIC OR EARTH PRESSURE. IN THE EVENT THAT AN UNCHARTED UTILITY/SERVICE LINE IS ENCOUNTERED, CONTACT APPROPRIATE UTILITY/SERVICE OWNER FOR DIRECTIONS. COOPERATE WITH OWNER AND UTILITY COMPANY IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION. REPAIR DAMAGED UTILITIES TO SATISFACTION OF UTILITY/SERVICE OWNER.
 - ALL DEMOLITION OPERATIONS ARE TO BE CONDUCTED SAFELY TO PREVENT DAMAGE OR PERSONAL INJURY TO STRUCTURES, ADJACENT PROPERTIES, UTILITIES, AND ALL PERSONS. PROVIDE SHORING AND BRACING TO ADJACENT STRUCTURES TO PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE TO ADJACENT STRUCTURES, ROADS, AND UTILITIES.
 - CONTRACTOR SHALL KEEP A SAFE WORKING ENVIRONMENT AT ALL TIMES. BARRICADES, FENCING, WARNING LIGHTS, SIGNS, ETC. SHALL BE FURNISHED, ERECTED, AND MAINTAINED AT LOCATIONS WHERE THE PROTECTIVE DEVICES ARE WARRANTED OR AS DIRECTED BY THE MUNICIPALITY.
 - WATERING TECHNIQUES, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS SHALL BE UTILIZED TO CONTROL DUST AND DIRT RISING IN THE AIR.
 - REMOVE AND DISPOSE ALL FOUNDATION WALLS, FOOTINGS, SLABS, AND BASEMENT SLABS IN A LEGAL MANNER.
 - IN THE EVENT THAT AN UNKNOWN EXISTING OIL TANK IS ENCOUNTERED, CONTACT ENGINEER PRIOR TO REMOVAL.
 - GROUND SURFACE SHALL BE GRADED, IF NECESSARY, TO ELIMINATE WATER POCKETS. ALL EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES.
 - BACKFILL SHALL BE PLACED IN ACCORDANCE WITH SPECIFICATIONS.
 - ROUTINELY REMOVE, IN AN ORDERLY AND EFFICIENT MANNER (CART AWAY AND DISPOSE OF, BY LEGAL MEANS OFF THE SITE AND PREMISES), ALL DEBRIS RELATED TO WORK OF THIS SECTION. WORKSITE AND STAGING AREAS SHALL BE KEPT CLEAR OF ALL DEBRIS ON A DAILY BASIS. PERMIT NO DEBRIS ACCUMULATION WHICH POSES THREAT TO LIFE SAFETY OR PROPERTY. DO NOT BURY DEBRIS.
 - CONTRACTOR SHALL RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK. CLEAN ADJACENT STRUCTURES AND PROPERTIES OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS.
 - COORDINATE LIMIT OF REMOVALS WITH OTHER CONSTRUCTION DOCUMENTS.
 - SEE SPECIFICATIONS FOR REQUIRED PROJECT PHASING.

1 EXISTING CONDITIONS PLAN

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--

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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN

35 FISK STREET
BLOCK 39 LOT 2001
FAIR HAVEN, NJ 07104

EXISTING CONDITIONS PLAN

SCALE: AS NOTED
DATE: 02/20/22

DWN: JTB
CXC: RLH

THIS DRAWING IS INCOMPLETE UNLESS USED WITH ALL OTHER CONTRACT DOCUMENTS.

DRAWING NUMBER

C-102

SHEET OF X

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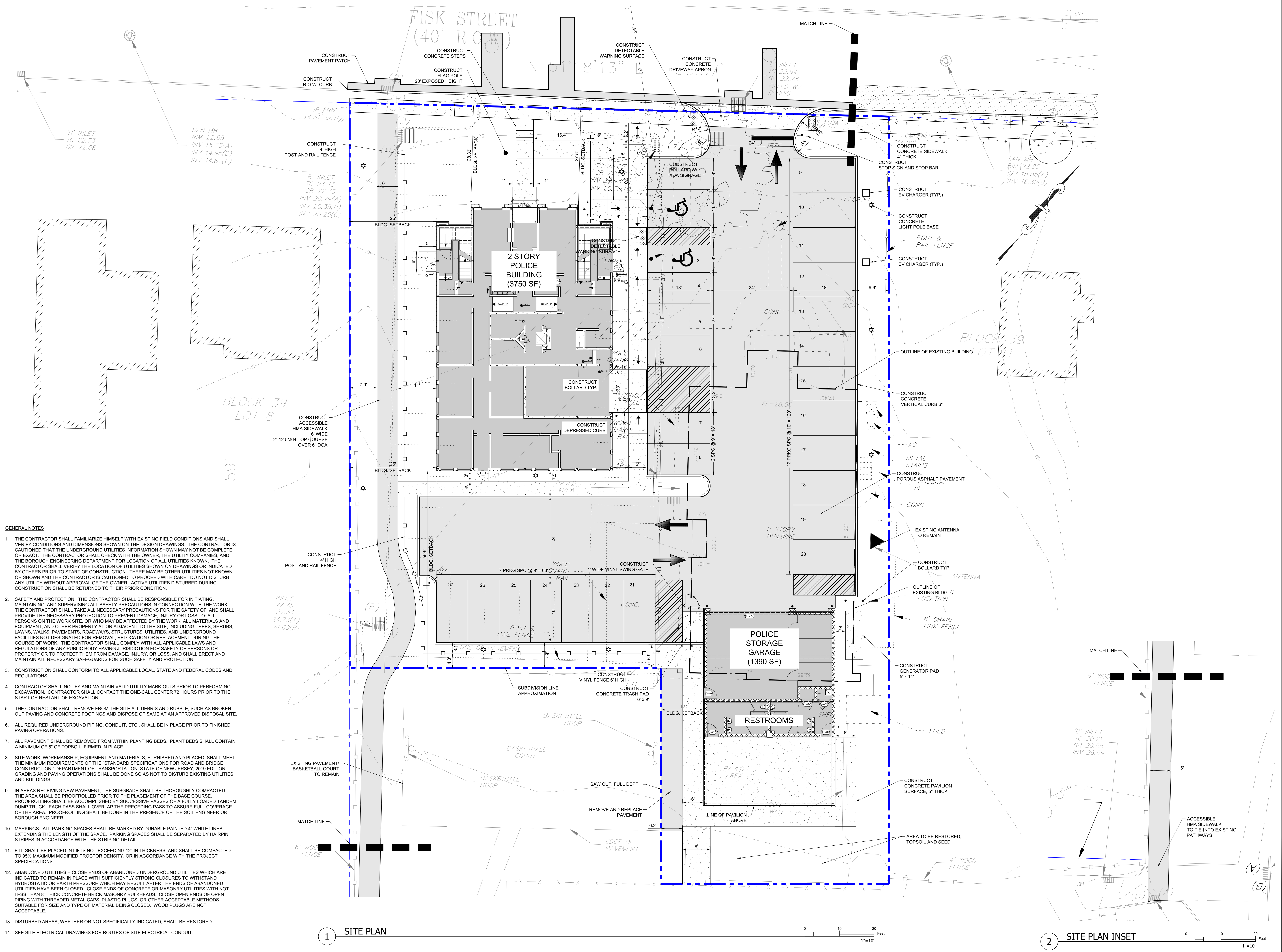
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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN
 BLOCK 39 LOT 20-01
 35 FISK STREET
 FAIR HAVEN, NJ 07040

SITE PLAN
 SCALE AS NOTED
 DATE 02/20/22
 DWN: LTB
 CXC: ELA

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DRAWING NUMBER
C-103
 SHEET OF X



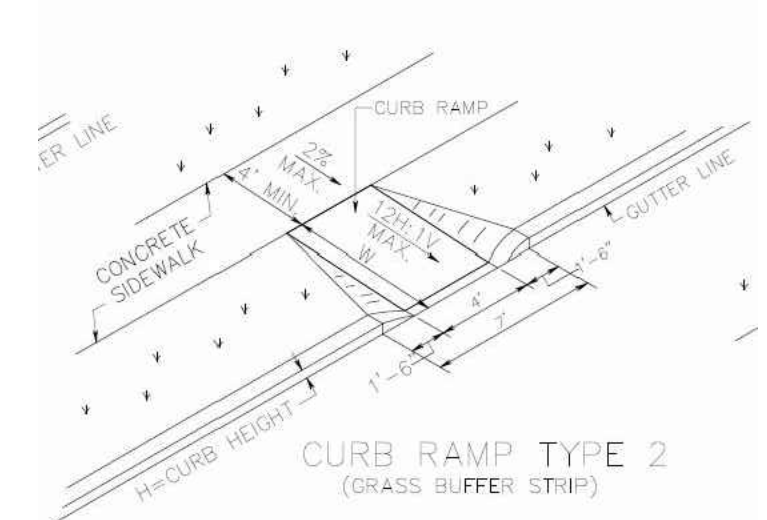
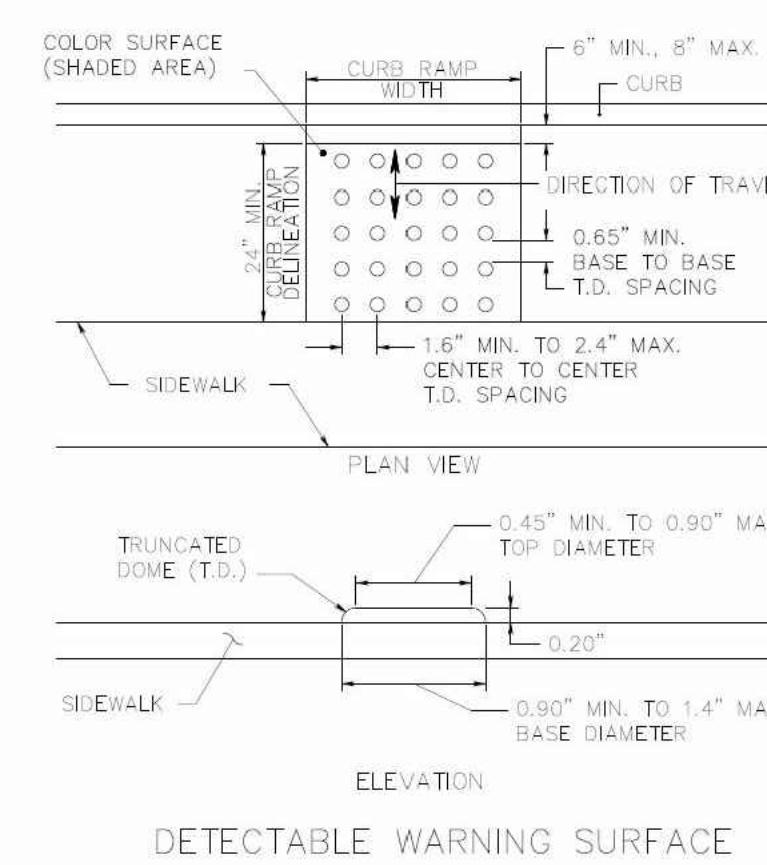
- GENERAL NOTES**
1. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING FIELD CONDITIONS AND SHALL VERIFY CONDITIONS AND DIMENSIONS SHOWN ON THE DESIGN DRAWINGS. THE CONTRACTOR IS CAUTIONED THAT THE UNDERGROUND UTILITIES INFORMATION SHOWN MAY NOT BE COMPLETE OR EXACT. THE CONTRACTOR SHALL CHECK WITH THE OWNER, THE UTILITY COMPANIES, AND THE BOROUGH ENGINEERING DEPARTMENT FOR LOCATION OF ALL UTILITIES KNOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES SHOWN ON DRAWINGS OR INDICATED BY OTHERS PRIOR TO START OF CONSTRUCTION. THERE MAY BE OTHER UTILITIES NOT KNOWN OR SHOWN AND THE CONTRACTOR IS CAUTIONED TO PROCEED WITH CARE. DO NOT DISTURB ANY UTILITY WITHOUT APPROVAL OF THE OWNER. ACTIVE UTILITIES DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR PRIOR CONDITION.
 2. SAFETY AND PROTECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE THE NECESSARY PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO ALL PERSONS ON THE WORK SITE, OR WHO MAY BE AFFECTED BY THE WORK; ALL MATERIALS AND EQUIPMENT, AND OTHER PROPERTY AT OR ADJACENT TO THE SITE, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES, UTILITIES, AND UNDERGROUND FACILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION OR REPLACEMENT DURING THE COURSE OF WORK. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION FOR SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS, AND SHALL ERECT AND MAINTAIN ALL NECESSARY SAFEGUARDS FOR SUCH SAFETY AND PROTECTION.
 3. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
 4. CONTRACTOR SHALL NOTIFY AND MAINTAIN VALID UTILITY MARK-OUTS PRIOR TO PERFORMING EXCAVATION. CONTRACTOR SHALL CONTACT THE ONE-CALL CENTER 72 HOURS PRIOR TO THE START OR RESTART OF EXCAVATION.
 5. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND RUBBLE, SUCH AS BROKEN OUT PAVING AND CONCRETE FOOTINGS AND DISPOSE OF SAME AT AN APPROVED DISPOSAL SITE.
 6. ALL REQUIRED UNDERGROUND PIPING, CONDUIT, ETC., SHALL BE IN PLACE PRIOR TO FINISHED PAVING OPERATIONS.
 7. ALL PAVEMENT SHALL BE REMOVED FROM WITHIN PLANTING BEDS. PLANT BEDS SHALL CONTAIN A MINIMUM OF 5" OF TOPSOIL, FIRMED IN PLACE.
 8. SITE WORK: WORKMANSHIP, EQUIPMENT AND MATERIALS, FURNISHED AND PLACED, SHALL MEET THE MINIMUM REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," DEPARTMENT OF TRANSPORTATION, STATE OF NEW JERSEY, 2019 EDITION. GRADING AND PAVING OPERATIONS SHALL BE DONE SO AS NOT TO DISTURB EXISTING UTILITIES AND BUILDINGS.
 9. IN AREAS RECEIVING NEW PAVEMENT, THE SUBGRADE SHALL BE THOROUGHLY COMPACTED. THE AREA SHALL BE PROTECTED PRIOR TO THE PLACEMENT OF THE BASE COURSE. PROOFROLLING SHALL BE ACCOMPLISHED BY SUCCESSIVE PASSES OF A FULLY LOADED TANDEM DUMP TRUCK. EACH PASS SHALL OVERLAP THE PRECEDING PASS TO ASSURE FULL COVERAGE OF THE AREA. PROOFROLLING SHALL BE DONE IN THE PRESENCE OF THE SOIL ENGINEER OR BOROUGH ENGINEER.
 10. MARKINGS: ALL PARKING SPACES SHALL BE MARKED BY DURABLE PAINTED 4" WHITE LINES EXTENDING THE LENGTH OF THE SPACE. PARKING SPACES SHALL BE SEPARATED BY HAIRPIN STRIPES IN ACCORDANCE WITH THE STRIPING DETAIL.
 11. FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" IN THICKNESS, AND SHALL BE COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR DENSITY, OR IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 12. ABANDONED UTILITIES - CLOSE ENDS OF ABANDONED UNDERGROUND UTILITIES WHICH ARE INDICATED TO REMAIN IN PLACE WITH SUFFICIENTLY STRONG CLOSURES TO WITHSTAND HYDROSTATIC OR EARTH PRESSURE WHICH MAY RESULT AFTER THE ENDS OF ABANDONED UTILITIES HAVE BEEN CLOSED. CLOSE ENDS OF CONCRETE OR MASONRY UTILITIES WITH NOT LESS THAN 8" THICK CONCRETE BRICK MASONRY BULKHEADS. CLOSE OPEN ENDS OF OPEN PIPING WITH THREADED METAL CAPS, PLASTIC PLUGS, OR OTHER ACCEPTABLE METHODS SUITABLE FOR SIZE AND TYPE OF MATERIAL BEING CLOSED. WOOD PLUGS ARE NOT ACCEPTABLE.
 13. DISTURBED AREAS, WHETHER OR NOT SPECIFICALLY INDICATED, SHALL BE RESTORED.
 14. SEE SITE ELECTRICAL DRAWINGS FOR ROUTES OF SITE ELECTRICAL CONDUIT.

1 SITE PLAN

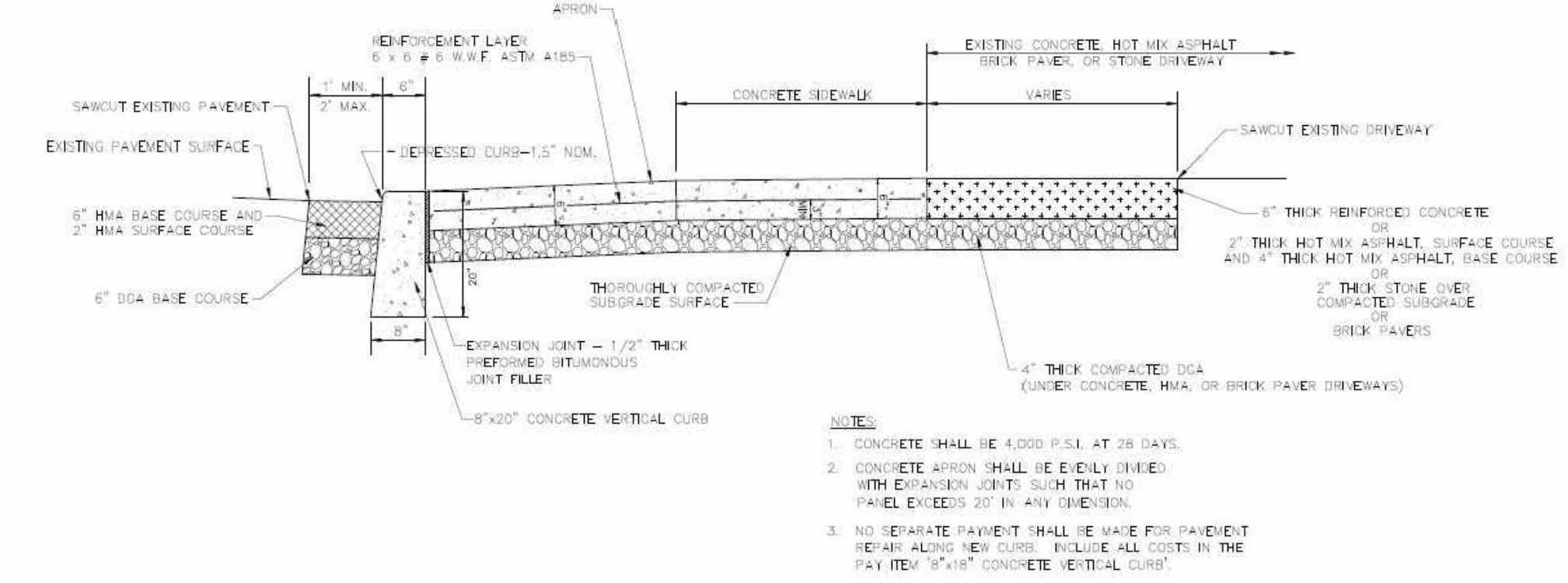
2 SITE PLAN INSET

GENERAL RIGHT-OF-WAY NOTES:

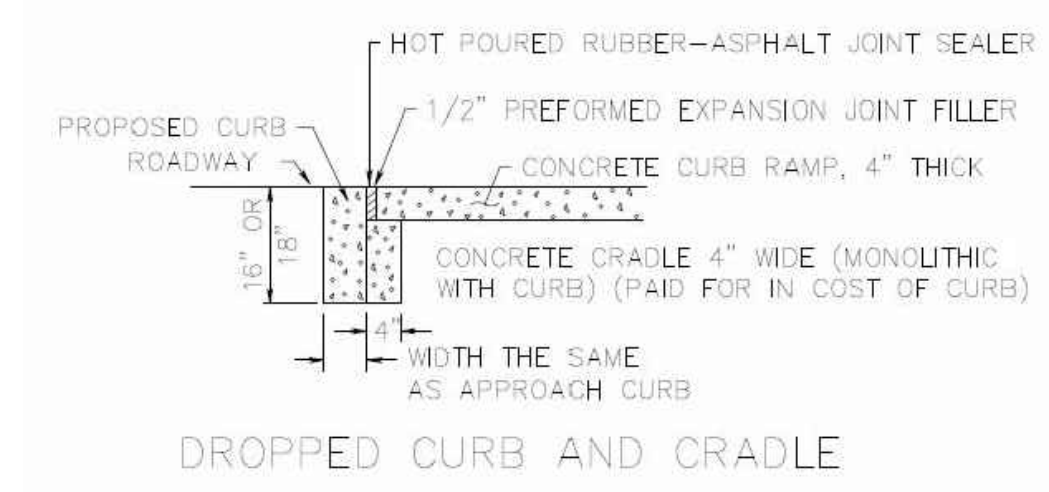
- LIMIT OF PAVING, THE CONTRACTOR SHALL SAWCUT OR MILL STRAIGHT LINE AS DIRECTED BY THE ENGINEER TO MEET EXISTING CONDITIONS.
- INSTALLATION OF SURFACE COURSE SHALL NOT BE ALLOWED UNTIL THE BASE COURSE IS APPROVED BY THE ENGINEER. THE ENGINEER WILL DIRECT THE CONTRACTOR TO MAKE CORRECTIVE MEASURES TO THE BASE COURSE PRIOR TO INSTALLING THE SURFACE COURSE. ALL COSTS FOR CORRECTIVE WORK, IF ANY, SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.
- NO SEPARATE PAYMENT SHALL BE MADE TO SAWCUT EXISTING PAVEMENT, DRIVEWAYS, OR SIDEWALKS, INCLUDE ALL COSTS IN THE VARIOUS ITEMS IN THE PROPOSAL.
- HOT MIX ASPHALT BASE COURSE AREAS SHALL BE PARALLEL TO THE ROADWAY CENTERLINE AND RECTANGULAR IN SHAPE AND EDGES SHALL BE SQUARE.
- NO SEPARATE PAYMENT WILL BE MADE FOR ROADWAY EXCAVATION OF ANY KIND, INCLUDE ALL COST IN THE VARIOUS ITEMS.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL PROPERTY CORNERS, DURING CONSTRUCTION, ANY PROPERTY CORNERS DISTURBED SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE SLEEVES IN CURB FACE FOR ROOF DRAINS AND SUMP PUMP PIPES WHERE REQUIRED.
- THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO COORDINATE ANY WORK THAT MAY NEED TO BE CONDUCTED WITHIN THE LIMITS OF WORK.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS IN YARDS AND PRIVATE PROPERTIES ALONG PROPOSED SIDEWALK AND DRIVEWAY INSTALLATIONS.
- HEDGES, BUSHES, LANDSCAPE TIES, STONE EDGING, STONE WALLS, SIGNS, LANDSCAPE MATERIAL, MAILBOXES, FENCES, AND EDGING MATERIAL FOR DRIVEWAYS, SIDEWALKS, AND ROADWAY WIDENING SHALL BE RESET OR REPLACED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE, INCLUDE ALL COSTS IN THE VARIOUS ITEMS IN THE PROPOSAL. TREE CLEARING AND TRIMMING SHALL BE INCLUDED IN THE COST OF CLEARING THE SITE.
- THE CONTRACTOR SHALL INSTALL TRAFFIC STRIPES (CROSSWALKS, STOP BARS, AND DOUBLE-YELLOW) AS DIRECTED BY ENGINEER.
- ALL TRAFFIC CONTROL SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. HANDBOOK. EXACT LOCATION AND TYPE OF STREET SIGNS SHALL BE DETERMINED BY ENGINEER.
- ALL TREES ADJACENT TO OR WITHIN THE LIMITS OF WORK ARE NOT TO BE DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROTECT TREES DURING ALL CONSTRUCTION RELATED ACTIVITIES.
- THE TOPSOIL USED FOR THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ANY TOPSOIL NOT MEETING WITH THE ENGINEER'S APPROVAL SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON.
- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH: N.J. DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS CURRENTLY AMENDED.
- THE BASE MAP INDICATING EXISTING CONDITIONS WAS PREPARED BY VALLEE SURVEYING INC.
- CENTERLINE GRADES SHALL MATCH TOP OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT FOR THE ROADWAY AND AREA OF WORK. INCLUDE ALL COSTS IN OTHER ITEMS BID IN THE SCHEDULE OF PRICES. DISCREPANCIES WITH PROPOSED GRADING SHALL BE REVIEWED WITH ENGINEER.
- CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO PERFORMED BY A PROFESSIONAL VIDEOGRAPHER.
- IN THE EVENT OF WORK BEING SUSPENDED BY UNSUITABLE WEATHER CONDITIONS, THE CONTRACTOR, AT THEIR EXPENSE, SHALL DO ALL THE WORK NECESSARY TO PROVIDE A SAFE, SMOOTH, WELL DRAINED AND UNOBSTRUCTED PASSAGEWAY THROUGH AND ADJACENT TO THE CONSTRUCTION AREA FOR USE BY THE PUBLIC AND EMERGENCY AND MAINTENANCE VEHICLES DURING THE PERIOD OF SHUT-DOWN.
- CONTRACTOR SHALL MEASURE EXISTING INLET CASTING AND SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL FOR ECO-GRATES AND CURB PIECES AND INSTALL SAME.
- CURB RAMPS SHALL BE INSTALLED AT LOCATIONS DIRECTED BY ENGINEER. DETECTABLE WARNING PUBLIC SIDEWALK CURB RAMP DELINEATION SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS. UNLESS A SPECIFIC DELINEATION SYSTEM IS REQUIRED, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF VARIOUS SYSTEMS AND COLORS TO THE OWNER FOR APPROVAL. ONLY ONE SYSTEM MAY BE USED ON ANY PROJECT.
- CURB RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS. TYPE OF CURB RAMP SHALL BE DETERMINED BY THE ENGINEER PRIOR TO INSTALLATION.
- THESE GENERAL NOTES APPLY TO ALL RIGHT-OF-WAY WORK.



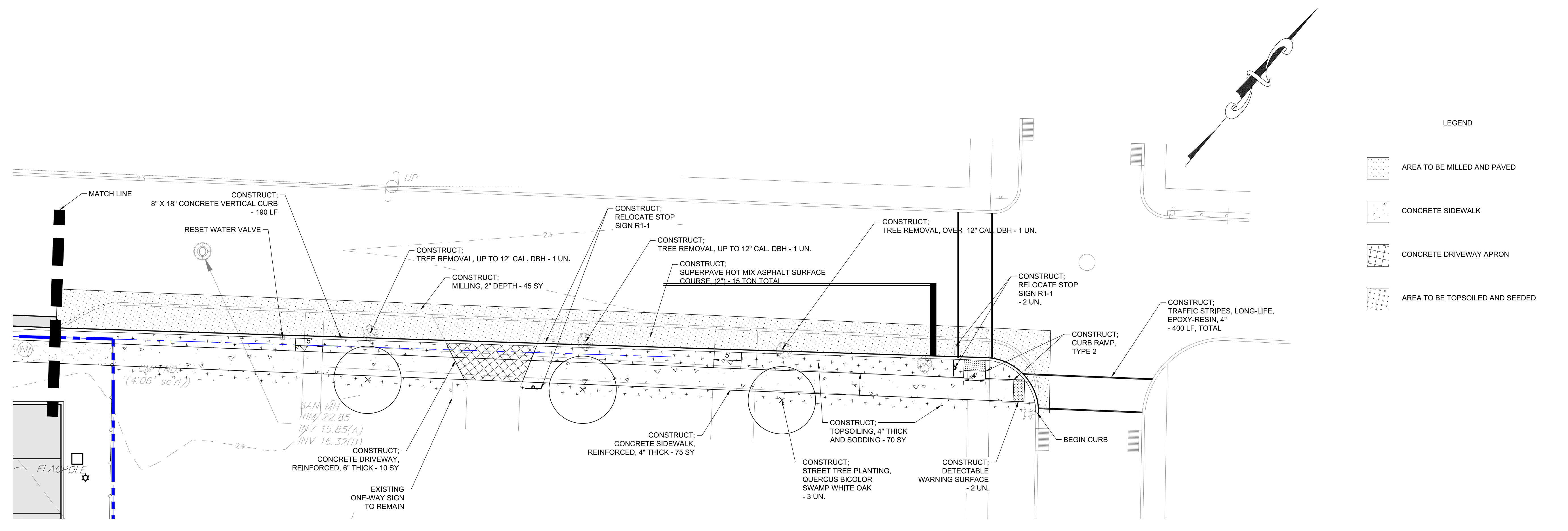
CURB SIZE	TYPE	2" OR 6"	OR 6"
8" X 18"	A	18"	6"
8" X 20"	B	20"	6"
8" X 24"	C	24"	6"
8" X 30"	D	30"	6"
8" X 36"	E	36"	6"
8" X 42"	F	42"	6"



- GENERAL NOTES:**
- LANDING AREA, APPROACH SIDEWALK, TRANSITION, AND CURB RAMP SHALL BE NEARLY FLAT OR WITH A MINIMUM SLOPE OF 1/4%.
 - UNDERGROUND UTILITIES ARE TO BE PROTECTED BY A MINIMUM OF 18" COVER. WHERE UTILITIES ARE DEEPER, COVER SHALL BE INCREASED TO 24" OR MORE. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" COVER AT ALL CURB RAMP.
 - FOR CURB RAMP TYPES 1 AND 2, IF A CONCRETE RAMP IS USED, SLOPE SHALL BE EQUAL TO SLOPE OF ADJACENT CURB RAMP.
 - REINFORCEMENT SHALL BE INSTALLED IN ALL CONCRETE DRIVEWAYS, SIDEWALKS, AND CURB RAMP TYPES 1 AND 2. REINFORCEMENT SHALL BE INSTALLED IN ALL CONCRETE DRIVEWAYS, SIDEWALKS, AND CURB RAMP TYPES 1 AND 2. REINFORCEMENT SHALL BE INSTALLED IN ALL CONCRETE DRIVEWAYS, SIDEWALKS, AND CURB RAMP TYPES 1 AND 2.
 - WHERE THE DISTANCE FROM THE CENTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 1 SHOULD BE USED. WHERE THE DISTANCE IS MORE THAN 6 FEET, CURB RAMP TYPE 2 SHOULD BE USED. THE DISTANCE FROM THE CENTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 1 SHOULD BE USED. WHERE THE DISTANCE IS MORE THAN 6 FEET, CURB RAMP TYPE 2 SHOULD BE USED.
 - CONCRETE AND TOP SOIL MAY BE WAIVED OR OBTAINED AT THE OWNER'S OPTION.
 - PROPOSED AND ALTERNATE TREATMENTS SHALL NOT BE PERMITTED UNLESS THE ENGINEER HAS REVIEWED AND APPROVED THEM IN WRITING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY SUCH REQUEST. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY SUCH REQUEST.
 - THE DISTANCE FROM THE CENTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 1 SHOULD BE USED. WHERE THE DISTANCE IS MORE THAN 6 FEET, CURB RAMP TYPE 2 SHOULD BE USED.

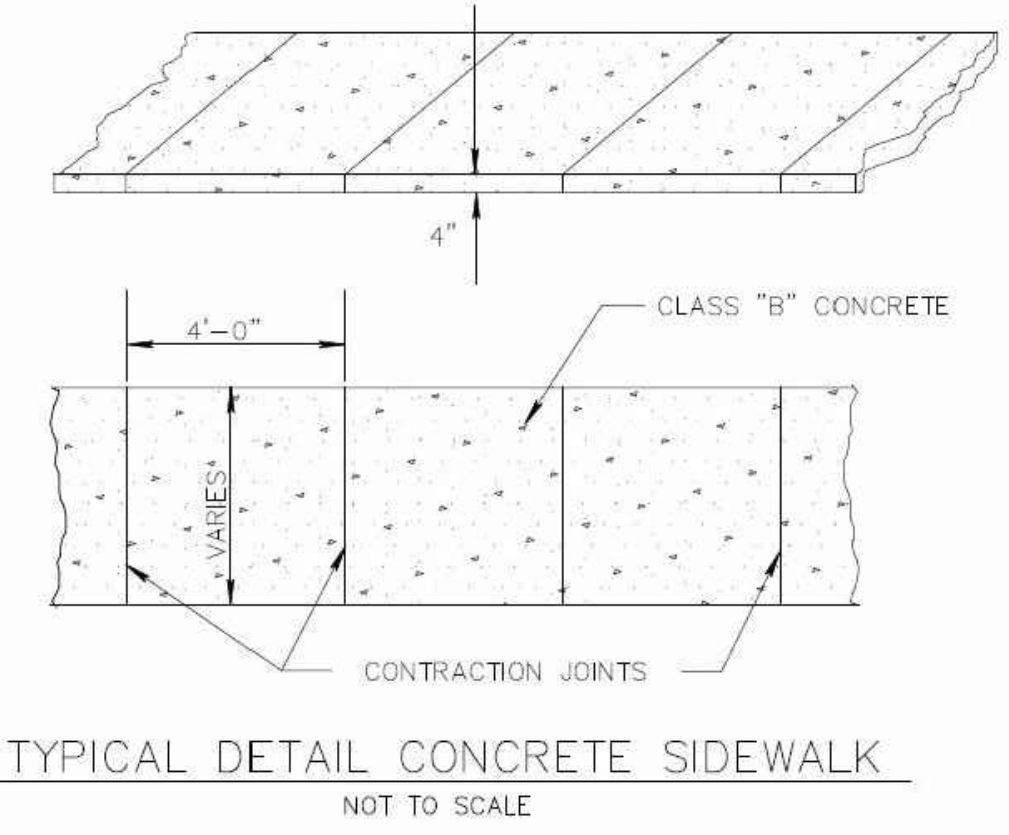


CONCRETE DRIVEWAY, REINFORCED, 6" THICK AND DRIVEWAY RESTORATION
NOT TO SCALE

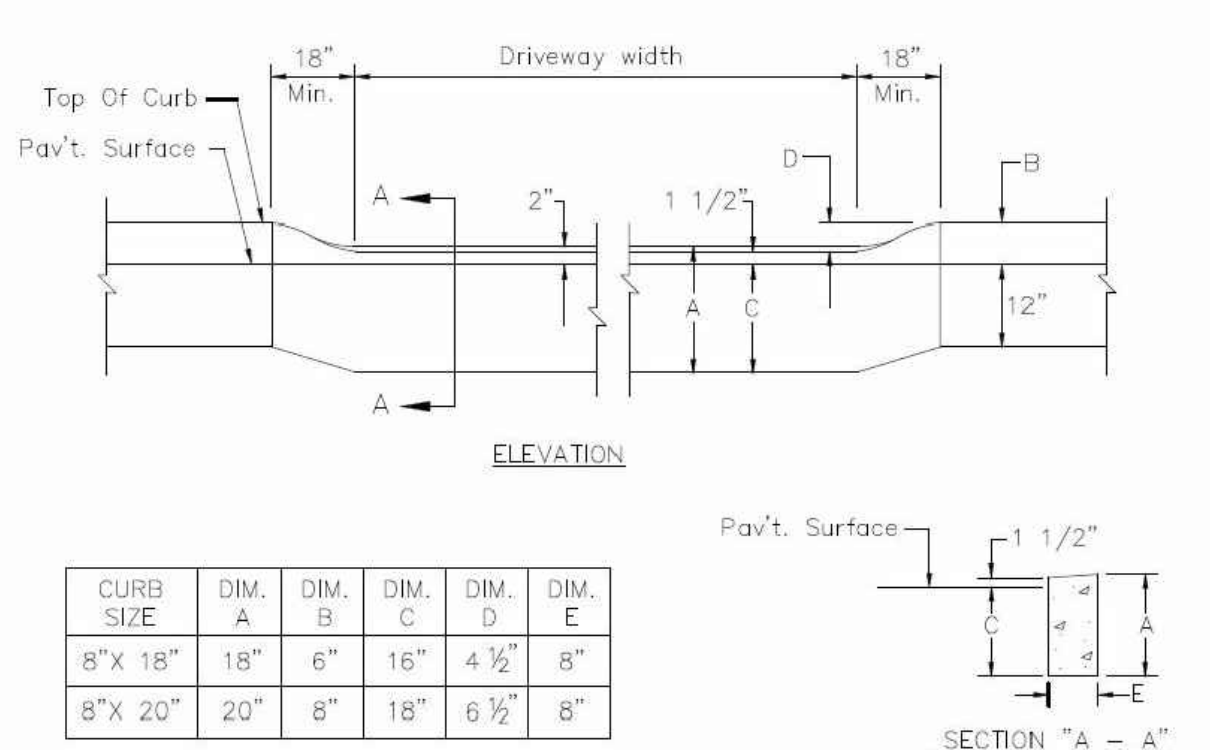
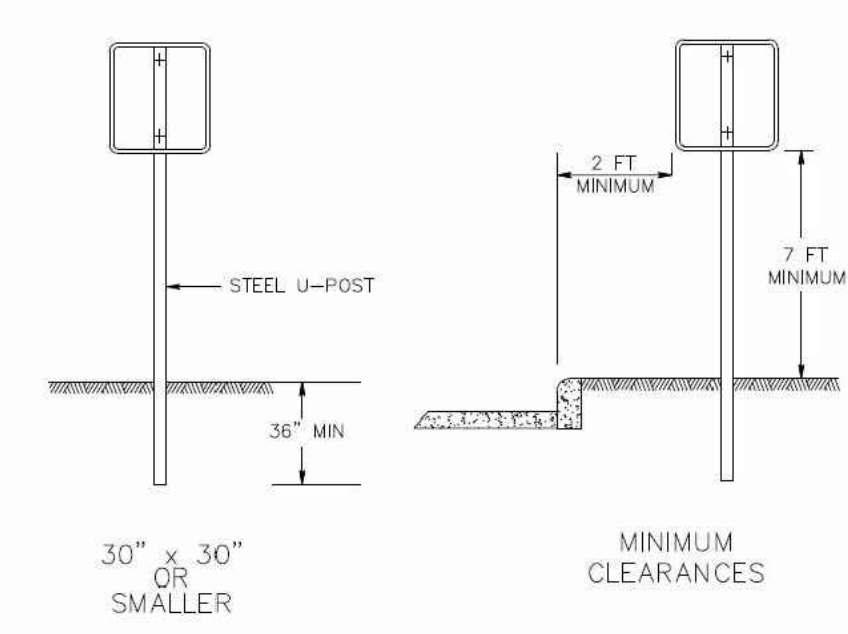
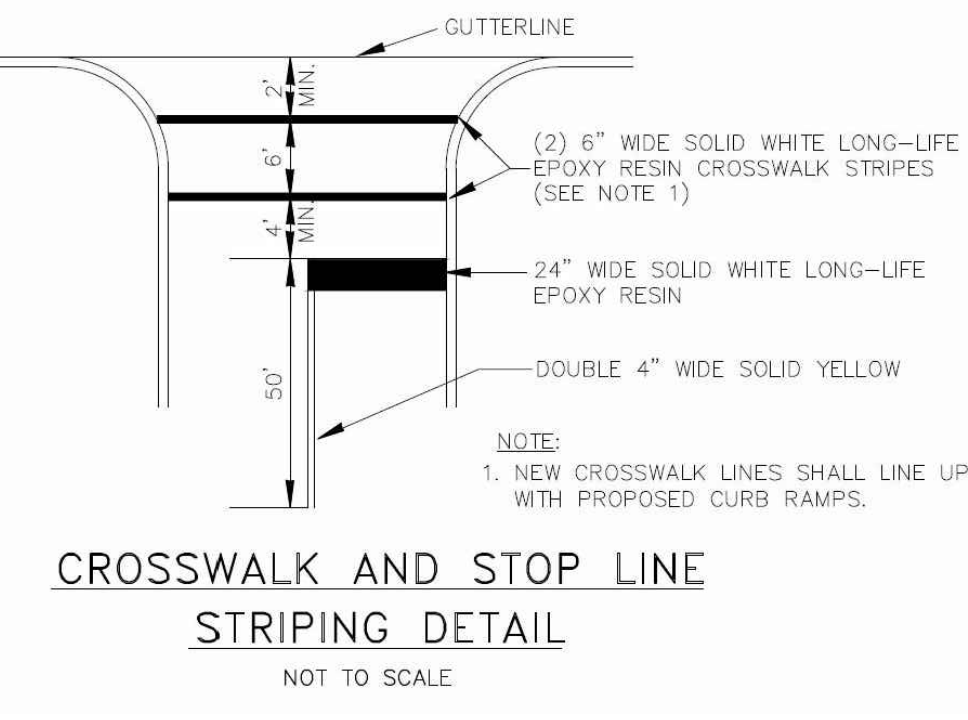
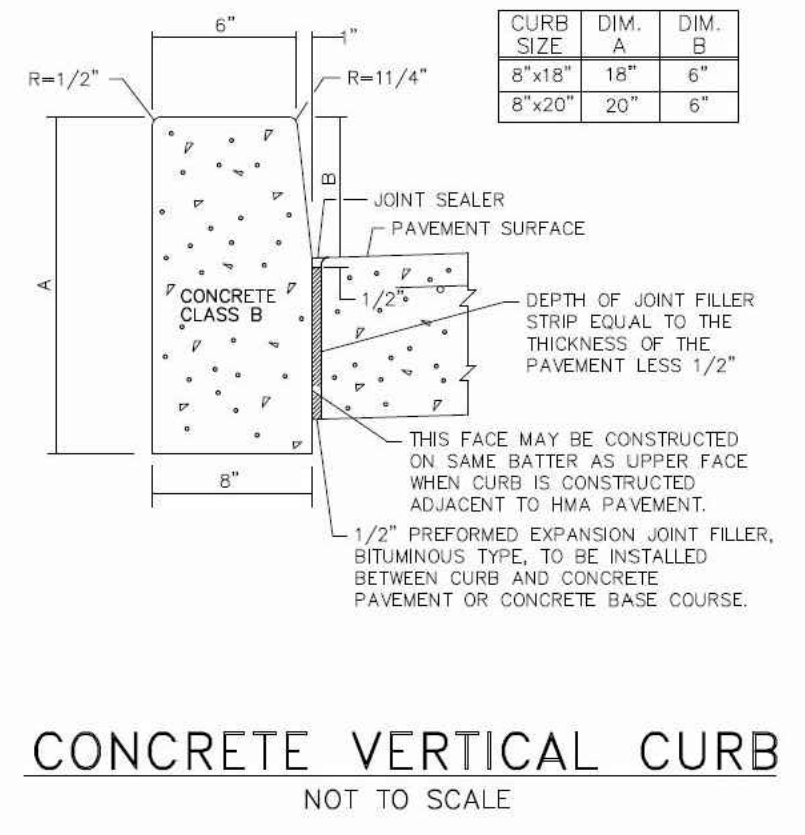


1 FISK STREET IMPROVEMENTS - SITE PLAN

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	CLEARING SITE	LS	1
2	PRE-CONSTRUCTION VIDEO	UN	1
3	INLET FILTER, TYPE	UN	1
4	BRICKWAY BARRICADE WITH SIGN	UN	4
5	CONSTRUCTION SIGNS	UN	4
6	DRUM	UN	10
7	TRAFFIC CONE	UN	40
8	TRAFFIC DIRECTOR FLAGGER	HR	200
9	RELOCATE STOP SIGN	UN	2
10	STREET TREE PLANTING	UN	3
11	RESET WATER VALVE BOX	UN	1
12	TREE REMOVAL OVER 12" CAL. DBH	UN	1
13	TREE REMOVAL UP TO 12" CAL. DBH	UN	2
14	CONCRETE SIDEWALK, REINFORCED, 4" THICK	SY	75
15	DETECTABLE WARNING SURFACE	SY	2
16	8" X 18" CONCRETE VERTICAL CURB	LF	190
17	HOT MIX ASPHALT MILLING, VARIABLE DEPTH 1-3"	SY	45
18	SUPERPAVE HOT MIX ASPHALT SURFACE COURSE, 2" THICK	TON	20
19	SUPERPAVE HOT MIX ASPHALT BASE COURSE, 4" THICK	TON	40
20	DENSE GRADED AGGREGATE, 6" THICK	CY	20
21	TACK COAT	GAL	10
22	CONCRETE APRON, REINFORCED, 6" THICK	SY	10
24	TRAFFIC STRIPES, LONG-LIFE, EPOXY-RESIN, 4"	LF	400
25	TOPSOILING, 4" THICK	SY	70
26	SODDING	SY	70



- NOTES:**
- PRE-FORMED BITUMINOUS EXPANSION JOINTS, 1/2" THICK SHALL BE INSTALLED EVERY 20 FEET. CONTRACTION JOINTS SHALL BE INSTALLED EVERY 4 FEET.
 - CONCRETE SHALL BE CLASS "B" PORTLAND CEMENT HAVING A 28 DAY STRENGTH OF 4000 PSI.



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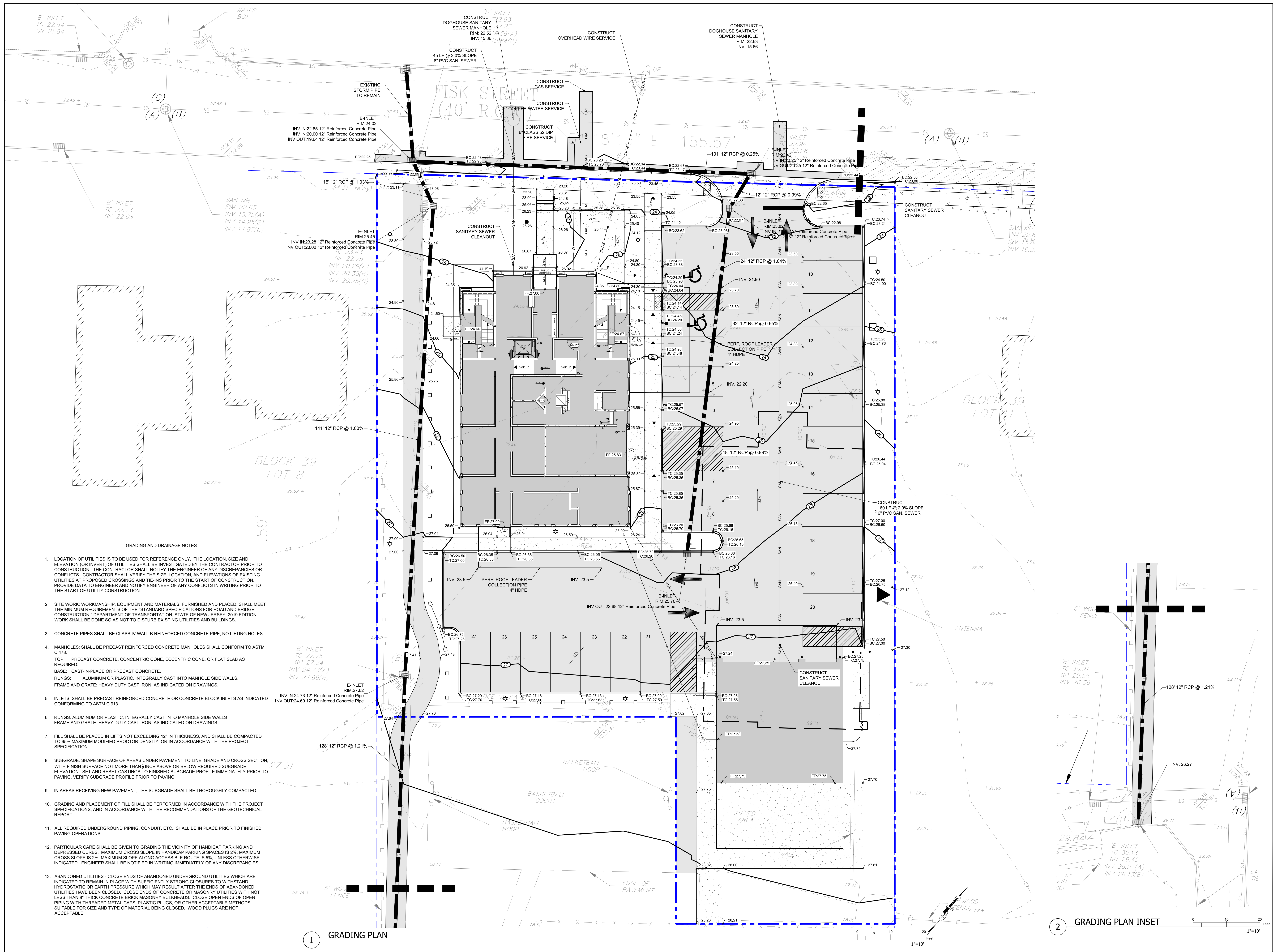
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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN
35 FISK STREET
FAIR HAVEN, NJ 07024

FISK STREET IMPROVEMENTS SITE PLAN
SCALE: AS NOTED
DATE: 02/20/22
DWG: LTB
CHK: EJA

THIS DRAWING IS INCOMPLETE UNLESS USED WITH ALL OTHER CONTRACT DOCUMENTS.

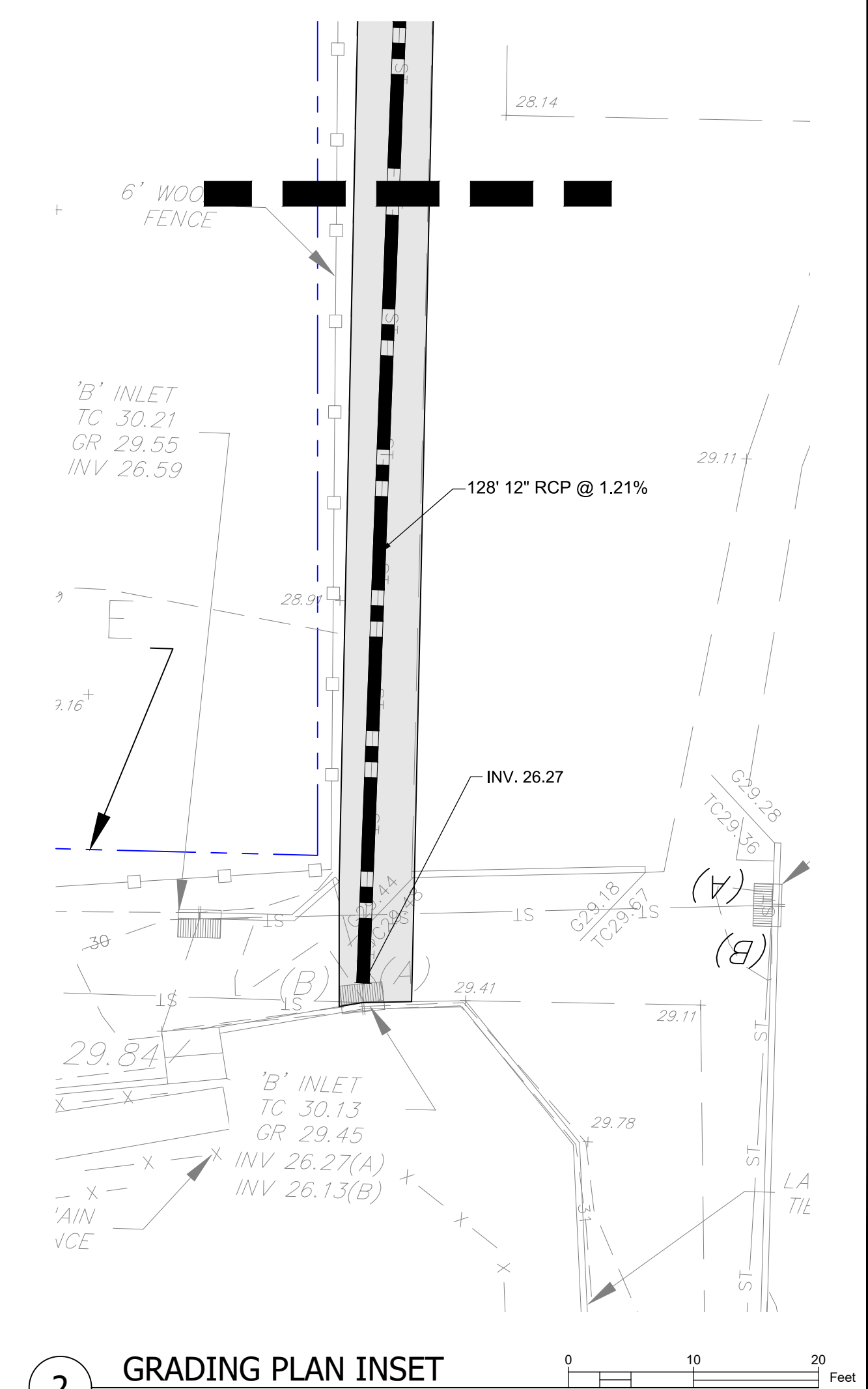
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C-104
SHEET OF X



GRADING AND DRAINAGE NOTES

1. LOCATION OF UTILITIES IS TO BE USED FOR REFERENCE ONLY. THE LOCATION, SIZE AND ELEVATION (OR INVERT) OF UTILITIES SHALL BE INVESTIGATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, AND ELEVATIONS OF EXISTING UTILITIES AT PROPOSED CROSSINGS AND TIE-INS PRIOR TO THE START OF CONSTRUCTION. PROVIDE DATA TO ENGINEER AND NOTIFY ENGINEER OF ANY CONFLICTS IN WRITING PRIOR TO THE START OF UTILITY CONSTRUCTION.
2. SITE WORK: WORKMANSHIP, EQUIPMENT AND MATERIALS, FURNISHED AND PLACED, SHALL MEET THE MINIMUM REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," DEPARTMENT OF TRANSPORTATION, STATE OF NEW JERSEY, 2019 EDITION. WORK SHALL BE DONE SO AS NOT TO DISTURB EXISTING UTILITIES AND BUILDINGS.
3. CONCRETE PIPES SHALL BE CLASS IV WALL B REINFORCED CONCRETE PIPE, NO LIFTING HOLES
4. MANHOLES: SHALL BE PRECAST REINFORCED CONCRETE MANHOLES SHALL CONFORM TO ASTM C 478.
TOP: PRECAST CONCRETE, CONCENTRIC CONE, ECCENTRIC CONE, OR FLAT SLAB AS REQUIRED.
BASE: CAST-IN-PLACE OR PRECAST CONCRETE.
RUNGS: ALUMINUM OR PLASTIC, INTEGRALLY CAST INTO MANHOLE SIDE WALLS.
FRAME AND GRATE: HEAVY DUTY CAST IRON, AS INDICATED ON DRAWINGS.
5. INLETS: SHALL BE PRECAST REINFORCED CONCRETE OR CONCRETE BLOCK INLETS AS INDICATED CONFORMING TO ASTM C 913
6. RUNGS: ALUMINUM OR PLASTIC, INTEGRALLY CAST INTO MANHOLE SIDE WALLS
FRAME AND GRATE: HEAVY DUTY CAST IRON, AS INDICATED ON DRAWINGS
7. FILL SHALL BE PLACED IN LISTS NOT EXCEEDING 12" IN THICKNESS, AND SHALL BE COMPACTED TO 98% MAXIMUM MODIFIED PROCTOR DENSITY, OR IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
8. SUBGRADE: SHAPE SURFACE OF AREAS UNDER PAVEMENT TO LINE, GRADE AND CROSS SECTION, WITH FINISH SURFACE NOT MORE THAN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE ELEVATION. SET AND RESET CASTINGS TO FINISHED SUBGRADE PROFILE IMMEDIATELY PRIOR TO PAVING. VERIFY SUBGRADE PROFILE PRIOR TO PAVING.
9. IN AREAS RECEIVING NEW PAVEMENT, THE SUBGRADE SHALL BE THOROUGHLY COMPACTED.
10. GRADING AND PLACEMENT OF FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
11. ALL REQUIRED UNDERGROUND PIPING, CONDUIT, ETC., SHALL BE IN PLACE PRIOR TO FINISHED PAVING OPERATIONS.
12. PARTICULAR CARE SHALL BE GIVEN TO GRADING THE VICINITY OF HANDICAP PARKING AND DEPRESSED CURBS. MAXIMUM CROSS SLOPE IN HANDICAP PARKING SPACES IS 2%; MAXIMUM CROSS SLOPE IS 2%; MAXIMUM SLOPE ALONG ACCESSIBLE ROUTE IS 5%. UNLESS OTHERWISE INDICATED. ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY OF ANY DISCREPANCIES.
13. ABANDONED UTILITIES - CLOSE ENDS OF ABANDONED UNDERGROUND UTILITIES WHICH ARE INDICATED TO REMAIN IN PLACE WITH SUFFICIENTLY STRONG CLOSURES TO WITHSTAND HYDROSTATIC OR EARTH PRESSURE WHICH MAY RESULT AFTER THE ENDS OF ABANDONED UTILITIES HAVE BEEN CLOSED. CLOSE ENDS OF CONCRETE OR MASONRY UTILITIES WITH NOT LESS THAN 8" THICK CONCRETE BRICK MASONRY BULKHEADS. CLOSE OPEN ENDS OF OPEN PIPING WITH THREADED METAL CAPS, PLASTIC PLUGS, OR OTHER ACCEPTABLE METHODS SUITABLE FOR SIZE AND TYPE OF MATERIAL BEING CLOSED. WOOD PLUGS ARE NOT ACCEPTABLE.

1 GRADING PLAN



2 GRADING PLAN INSET

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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN

35 FISK STREET
 BLOCK 39 LOT 2001
 FAIR HAVEN, NJ 07024

GRADING PLAN

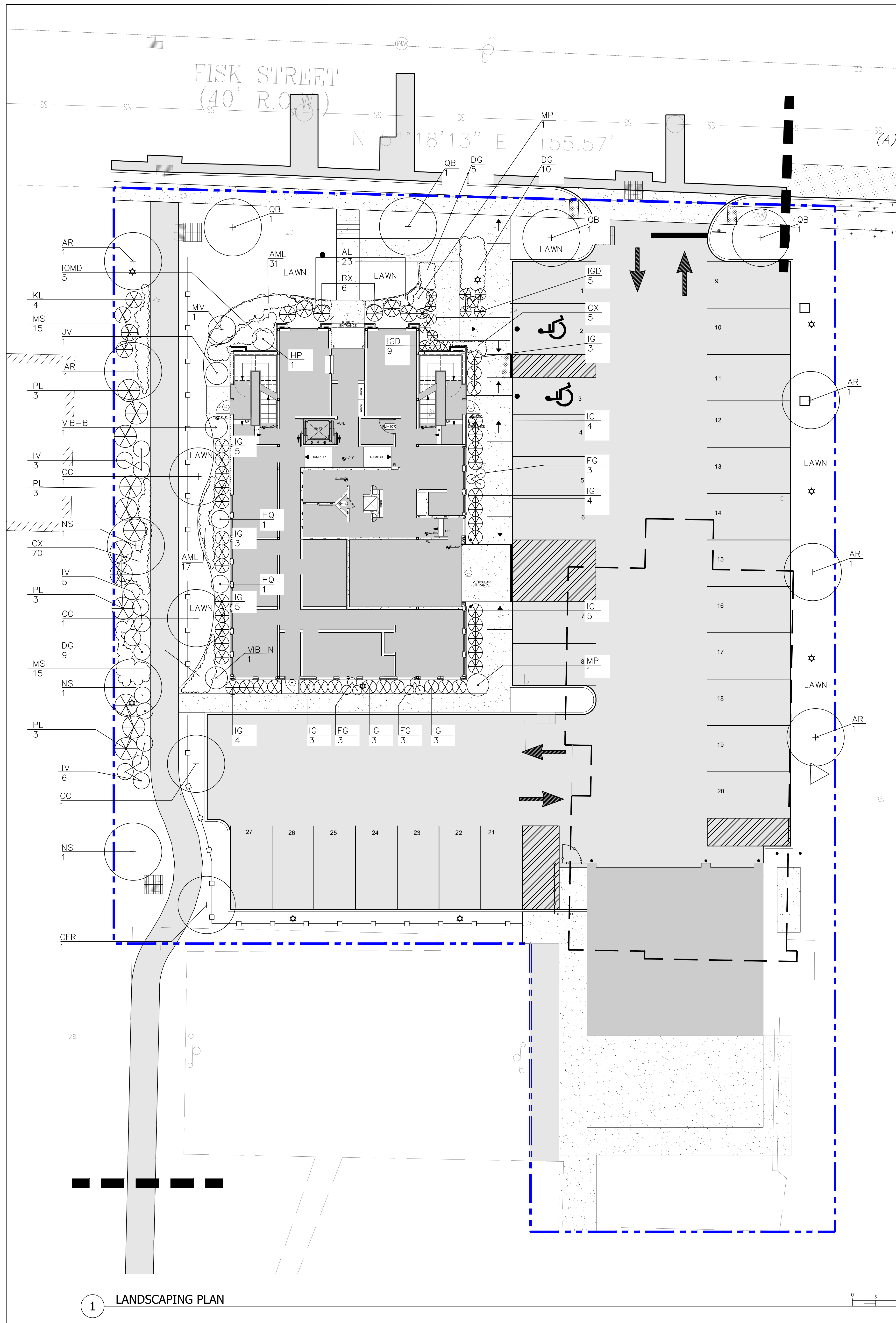
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 DATE: 02/20/22

DRAWN BY: CMC: EJA
 CHECKED BY: EJA

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DRAWING NUMBER
C-105

SHEET OF X

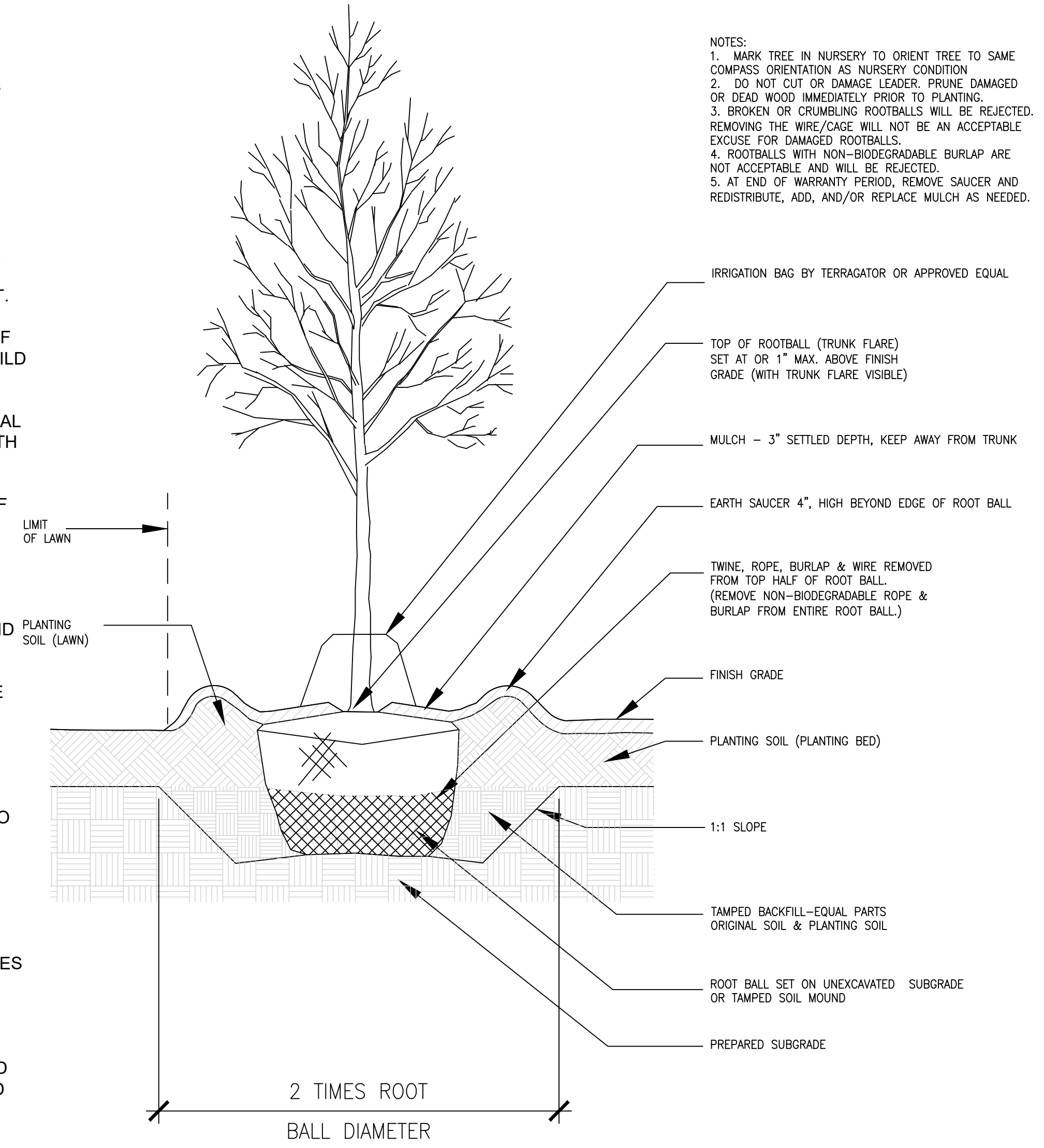


PLANTING NOTES:

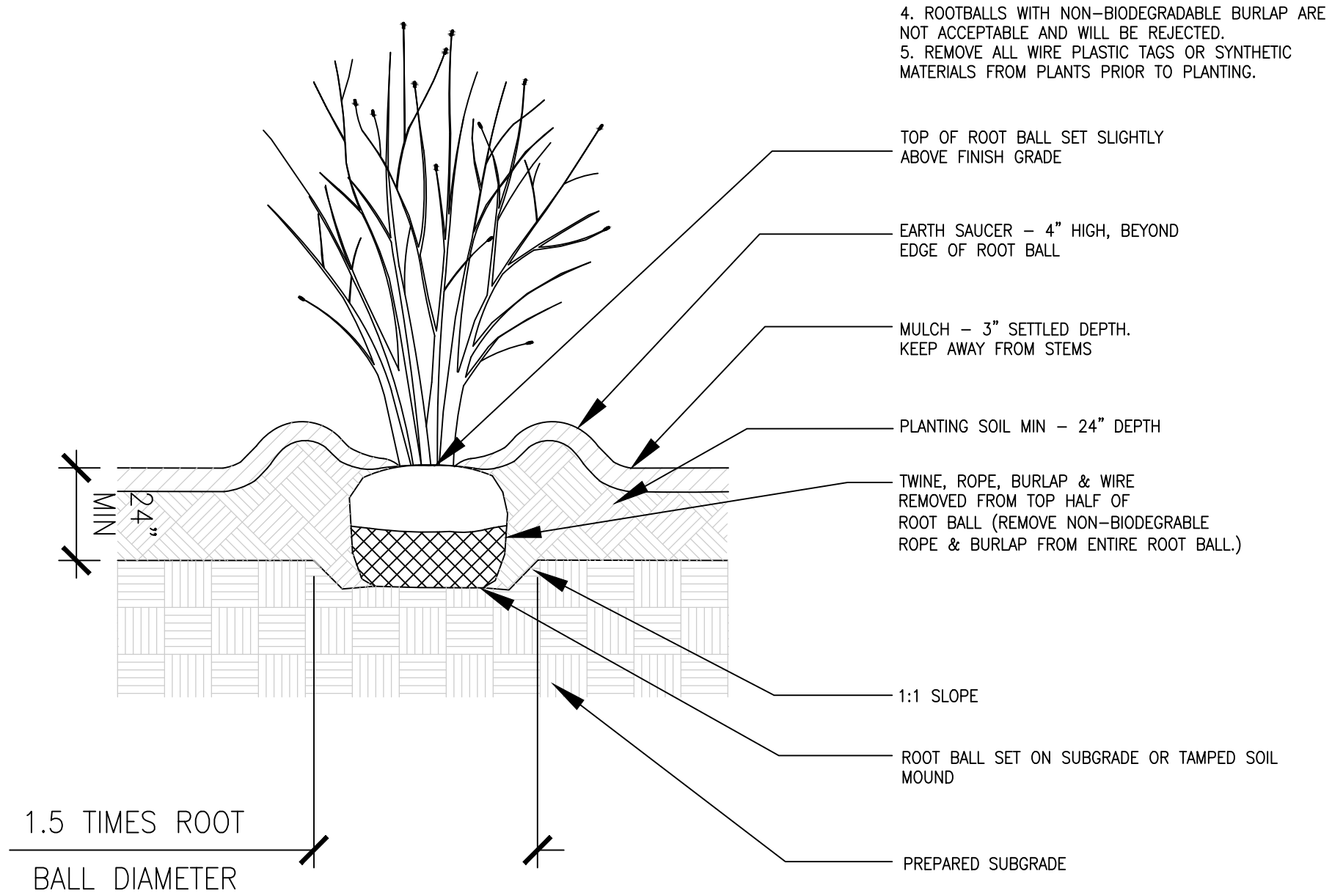
1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
2. LOCATIONS OF NEW PLANTS SHALL BE STAKED AND LAID OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH PLANTING INSTALLATION. PLANTING PLAN IS DIAGRAMMATIC; ADJUST PLANTS AS NECESSARY UNDER DIRECTION OF THE LANDSCAPE ARCHITECT.
3. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF MECHANICAL EQUIPMENT AND UTILITIES EXISTING OR PROPOSED IN THE AREA TO BE PLANTED, AND WHERE NECESSARY RELOCATE PLANTS AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
4. ALL NEWLY PLANTED BEDS AND TREE SAUCERS SHALL RECEIVE 3 INCHES MINIMUM OF FRESH SHREDDED HARDWOOD MULCH, DARK IN COLOR, AS SPECIFIED. DO NOT PILE OR BUILD MULCH MOUNDS AROUND/AGAINST NEW OR EXISTING TREES.
5. PLANTING SOIL MIX FOR PLANTING SHALL BE FREE FROM DEBRIS, ROOTS OR ARTIFICIAL MATERIALS. ADD AT LEAST 6" OF FRESH TOPSOIL OR SCARIFY EXISTING TOPSOIL TO A DEPTH OF 6" ON ALL NEW PLANTING BEDS. SEE SPECIFICATIONS FOR PLANTING SOIL MIX.
6. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR FROM TIME OF LANDSCAPE ARCHITECT'S FINAL WRITTEN APPROVAL.
7. SOIL SHALL BE FREE FROM RUBBISH, DEBRIS, SOD, ROOTS, OR ARTIFICIAL MATERIAL. TOPSOIL FOR PLANTING SHALL BE AS SPECIFIED.
8. CONTRACTOR IS RESPONSIBLE FOR WATERING UNTIL INSTALLATION IS COMPLETE AND APPROVED.
9. PROVIDE NURSERY GROWN PLANTS FROM A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES. PROVIDE ONLY HEALTHY, VIGOROUS STOCK GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO CONDITIONS IN THE LOCALITY OF THE PROJECT, AND FREE OF DISEASE, INSECTS, EGGS, LARVAE AND DEFECTS SUCH AS KNOTS, SUNSCALE, INJURIES, ABRASIONS OR DISFIGUREMENT.
10. ALL PLANTS SHALL BE PACKED, TRANSPORTED, AND HANDLED WITH UTMOST CARE TO INSURE ADEQUATE PROTECTION AGAINST INJURY.
11. PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."
12. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM INSECTS, PLANT DISEASES AND INJURIES. ALL PLANTS SHALL EQUAL OR EXCEED MEASUREMENTS SPECIFIED IN THE PLANT LIST WHICH ARE MINIMUM ACCEPTABLE. NO PLANTS SHALL BE PRUNED OR CLIPPED PRIOR TO DELIVERY EXCEPT WITH THE PERMISSION OF THE LANDSCAPE ARCHITECT.
13. ALL TREE AND SHRUB AREAS SHALL BE MULCHED IMMEDIATELY AFTER PLANTING AND FINISHED TOPSOIL GRADING. TREES AND SHRUBS SHALL BE MULCHED, AS SHOWN, SPREAD UNIFORMLY TO COVER ENTIRE AREA OF PLANTING PIT. ALL TREES AND SHRUBS SHALL BE GIVEN ONE APPLICATION OF ANTIDESICCANT, AS PER MANUFACTURER'S DIRECTION, COVERING ALL LEAVES, BRANCHES, AND TRUNKS.
14. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE UNTIL FINAL ACCEPTANCE OF THE PROJECT. PLANTS SHALL BE WATERED, MULCHED, WEEDED, PRUNED, SPRAYED AND GENERALLY MAINTAINED TO KEEP THEM IN A HEALTHY, VIGOROUS CONDITION.
15. GRASS SEED SHALL BE FRESH, NEW CROP SEED COMPLYING WITH SPECIES, VARIETY, PURITY, WEED TOLERANCES AND GERMINATION REQUIREMENTS HEREIN AND PROPERLY LABELED AND DELIVERED IN UNOPENED BAGS AS REQUIRED BY STATE AND FEDERAL SEED LAWS - SEE SPECIFICATIONS.
16. PROTECT ALL EXISTING VEGETATION TO REMAIN FROM DAMAGE DURING CONSTRUCTION.

PLANT SCHEDULE

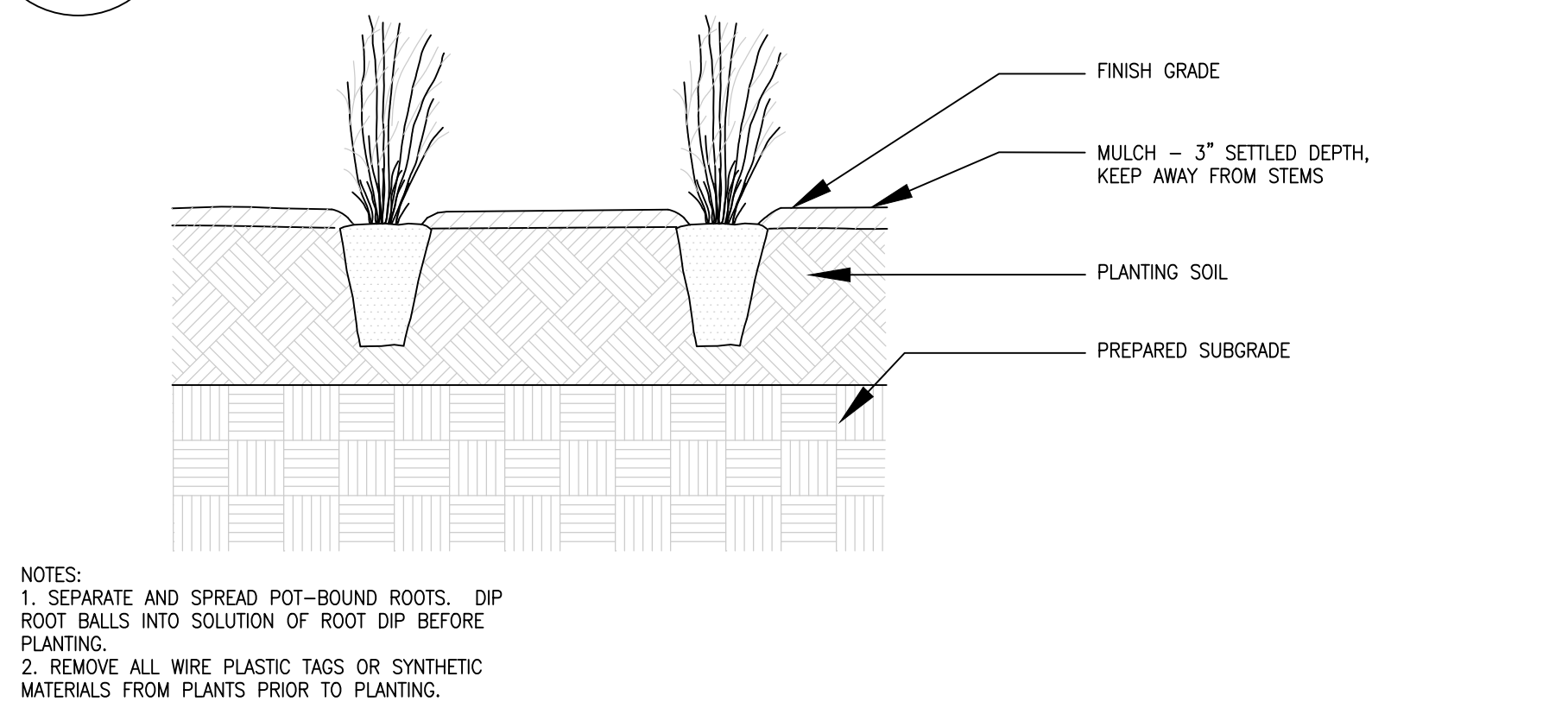
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE/REMARKS/SPACING
TREES				
AR	5	Acer Rubrum 'Armstrong'	Armstrong Red Maple	3" cal / B&B
CC	3	Cercis Canadensis	Eastern redbud	2.5" - 3" cal / B&B
CFR	1	Cornus florida	Flowering dogwood	3.5" - 3" cal / B&B
MV	1	Magnolia virginiana	Sweet bay magnolia	7' - 8" ht / B&B / multi-stem
NS	3	Nyssa Sylvatica	Black gum	3" cal / B&B
QB	4	Quercus bicolor	Swamp white oak	3" cal / B&B
SHRUBS/GRASSES				
BX	5	Buxus sinica var. insularis 'Wintergreen'	Korean boxwood	24" - 30" HT B&B
DG	24	Deutzia gracilis 'Nikko'	Slender deutzia	18" - 24" ht B&B
FG	9	Fothergilla gardenii	Dwarf fothergilla	24" - 30" ht B&B
HP	1	Hydrangea paniculata 'Phantom'	Phantom Panicle Hydrangea	4' - 5' ht B&B
HQ	2	Hydrangea quercifolia 'Amethyst'	Oakleaf hydrangea	36" - 42" ht B&B
IG	42	Ilex Glabra 'Densa'	Inkberry	24" - 30" ht B&B
IGD	14	Ilex opaca 'Strongbox'	Strongbox Inkberry Holly	24" ht B&B
IOMD	5	Ilex opaca 'Maryland Dwarf'	Holly - American	3 GAL
IV	14	Itea Virginia 'Little Henry'	Sweetspire	30" - 36" ht B&B
ML	4	Kalmia latifolia 'Olympic Fire'	Mountain Laurel	36" - 42" ht B&B
MP	2	Myrica Pensylvanica	Bayberry	4' - 5' ht B&B
PL	12	Prunus laurocerasus 'Schipkaensis'	Cherry Laurel - Common	42" - 48" ht B&B
VIB-B	1	Viburnum nudum 'Brandywine'	Poosumhaw viburnum	4' ht B&B
VIB-N	1	Viburnum nudum 'Winterthur'	Smooth winterod	4' ht B&B
IV	1	Juniperus virginiana 'Emerald Sentinel'	Emerald Sentinel Redcedar	4' - 5' ht B&B
PERENNIAL/GROUNDCOVER/FERN				
AML	48	Aronia melanocarpa 'Ground Hug'	Black chokeberry - Dwarf	1 GAL
AL	23	Allium schoenoprasum 'Rising Star'	Onions	1 GAL
CX	75	Carex 'Ice Dance'	Sedge	1 GAL
MS	30	Matteuccia struthiopteris	Fern - Ostrich	1 GAL



3 B&B TREE PLANTING DETAIL
NTS



2 SHRUB PLANTING DETAIL
NTS



6 HERBACEOUS PLANTING DETAIL
L-101 NTS

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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN

35 FRISK STREET
FAIR HAVEN, NJ 07704
BLOCK: 38 LOT: 2001

LANDSCAPING PLAN

SCALE: AS NOTED
DATE: 02/20/22

DRAWN BY: CMO/RLA

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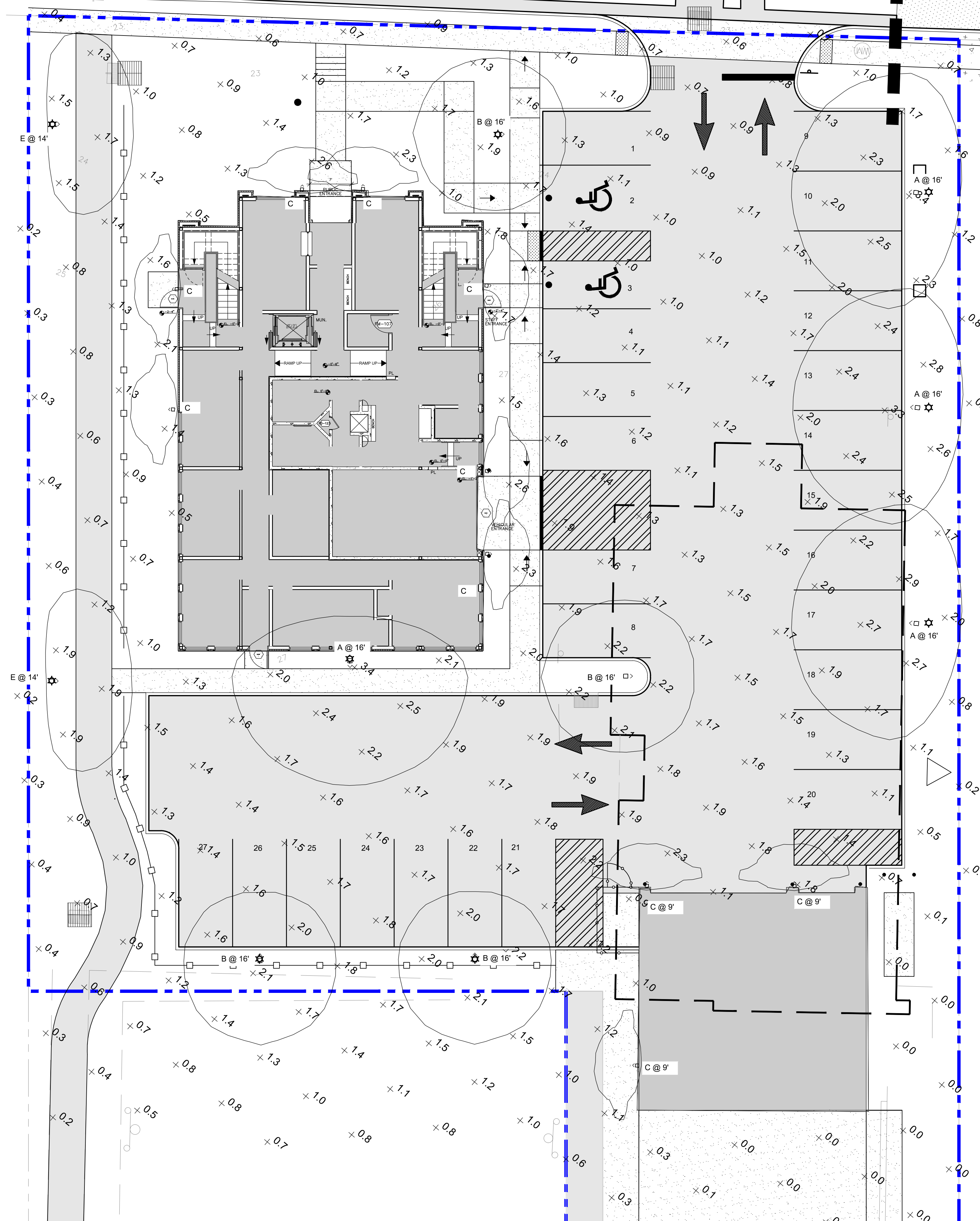
DRAWING NUMBER
C-106

SHEET OF X

FISK STREET
(40' R.O.W.)

N 5° 18' 13" E 155.57'

(A) (B)



Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
⌒	A		4	SIGNIFY CANADA LTD	P15-PA02-750-T45	Pureform Area Small 18" Square, 32 LED's, 3000K CCT, TYPE T8 OPTIC.	1	3868	1	26.6
⌒	B		4	SIGNIFY CANADA LTD	P15-PA02-750-T50	Pureform Area Small 18" Square, 32 LED's, 3000K CCT, TYPE T8 OPTIC.	1	4044	1	28.8
⌒	C		10	COOPER LIGHTING SOLUTIONS - INVOUE (FORMERLY TAYLOR)	EN-0401-084-045A-1855-035	ENTRI LED LUMINAIRE (1) TO OR, 4000K LED SQUARE IN BATTERY OPERATION WITH 40 LED'S AND TYPE 56 SHILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD.	10	30	1	13
⌒	E		2	SIGNIFY CANADA LTD	P15-PA01-750-BLC	Pureform Area Small 18" Square, 32 LED's, 3000K CCT, TYPE BLC OPTIC.	1	1588	1	14.3

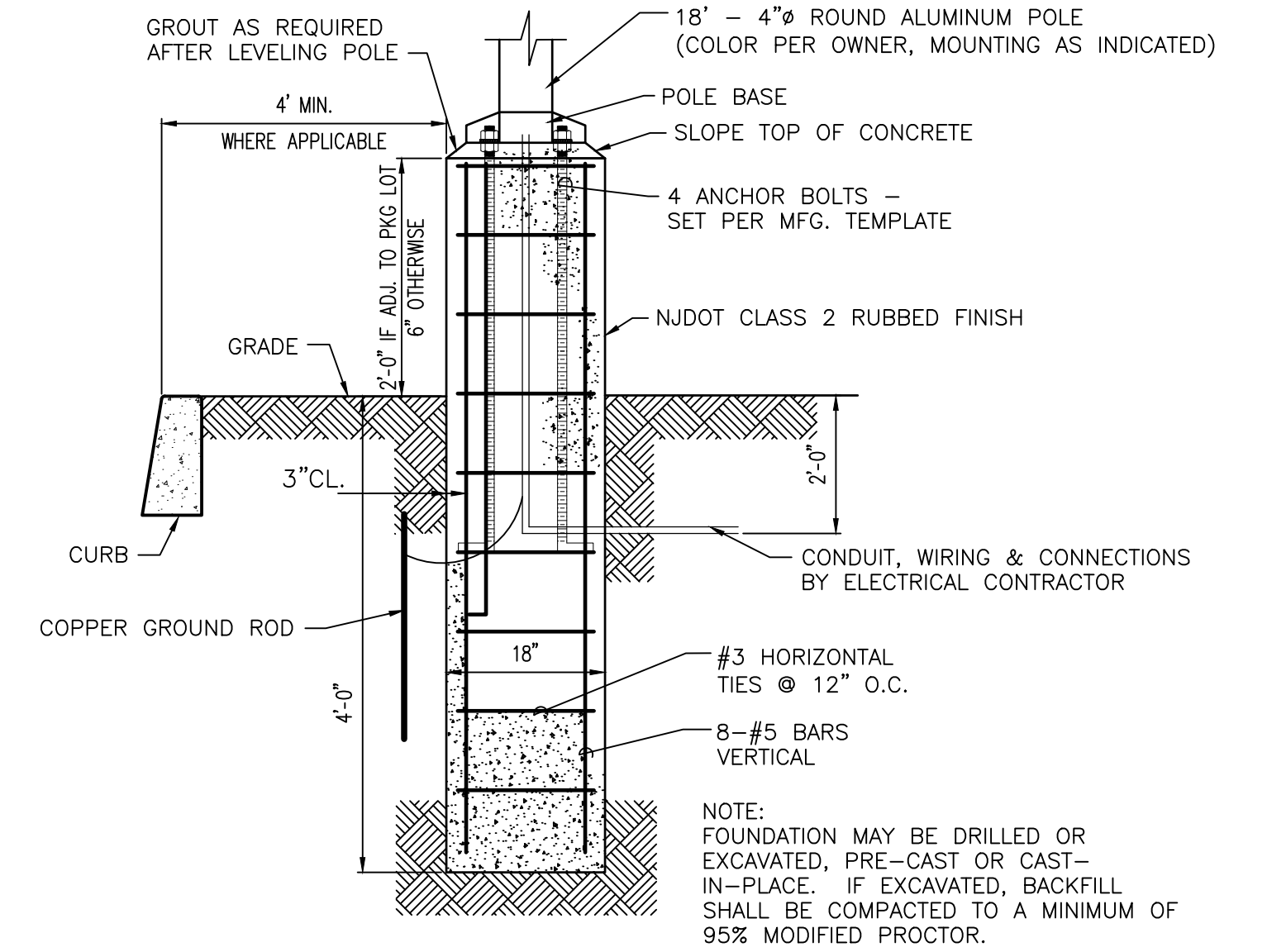
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.3 fc	3.4 fc	0.0 fc	N/A	N/A



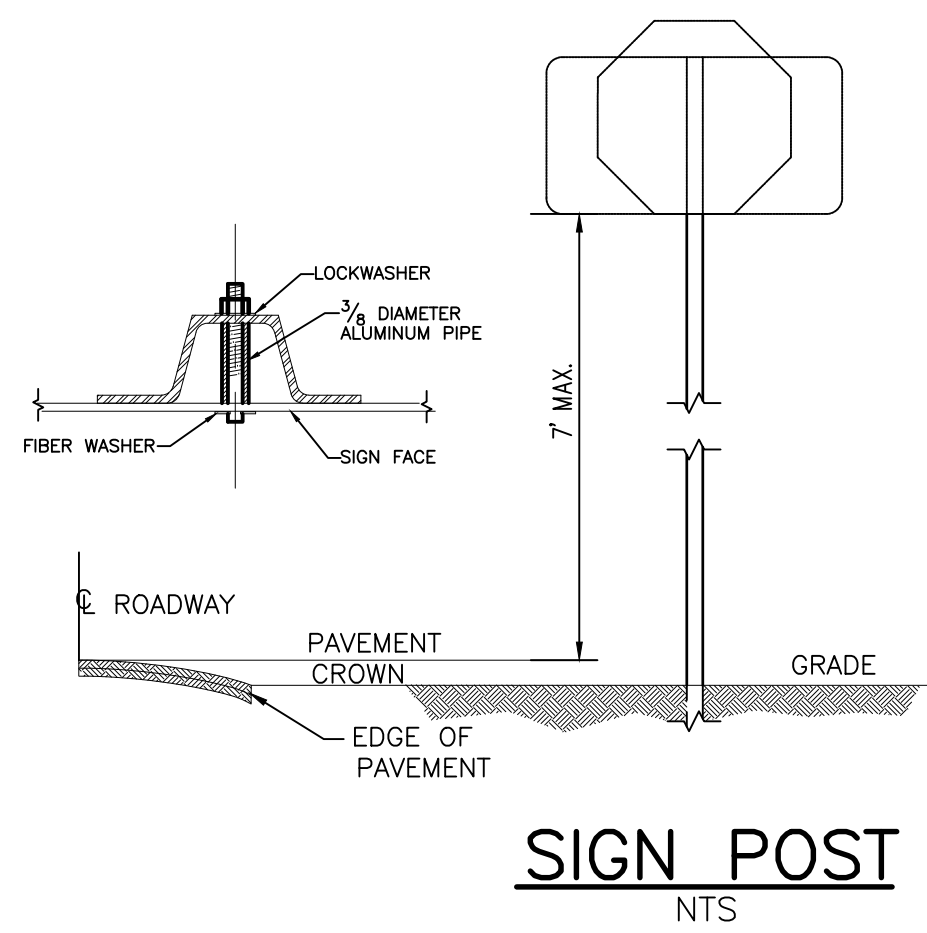
A, B, AND E: SIGNIFY PUREFORM P15



C: COOPER ENTRI LED LUMINAIRE

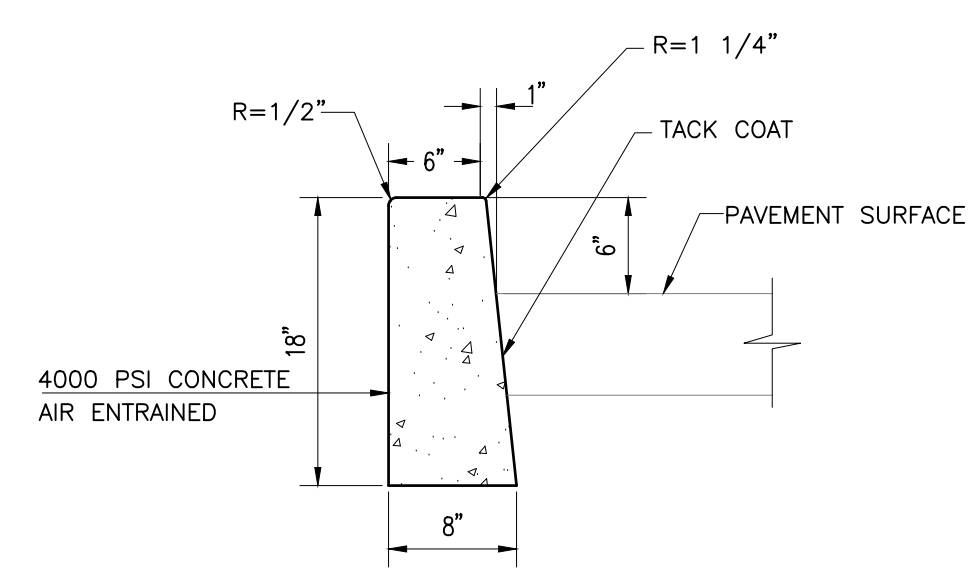


LIGHT POLE FOUNDATION
Scale: N.T.S.



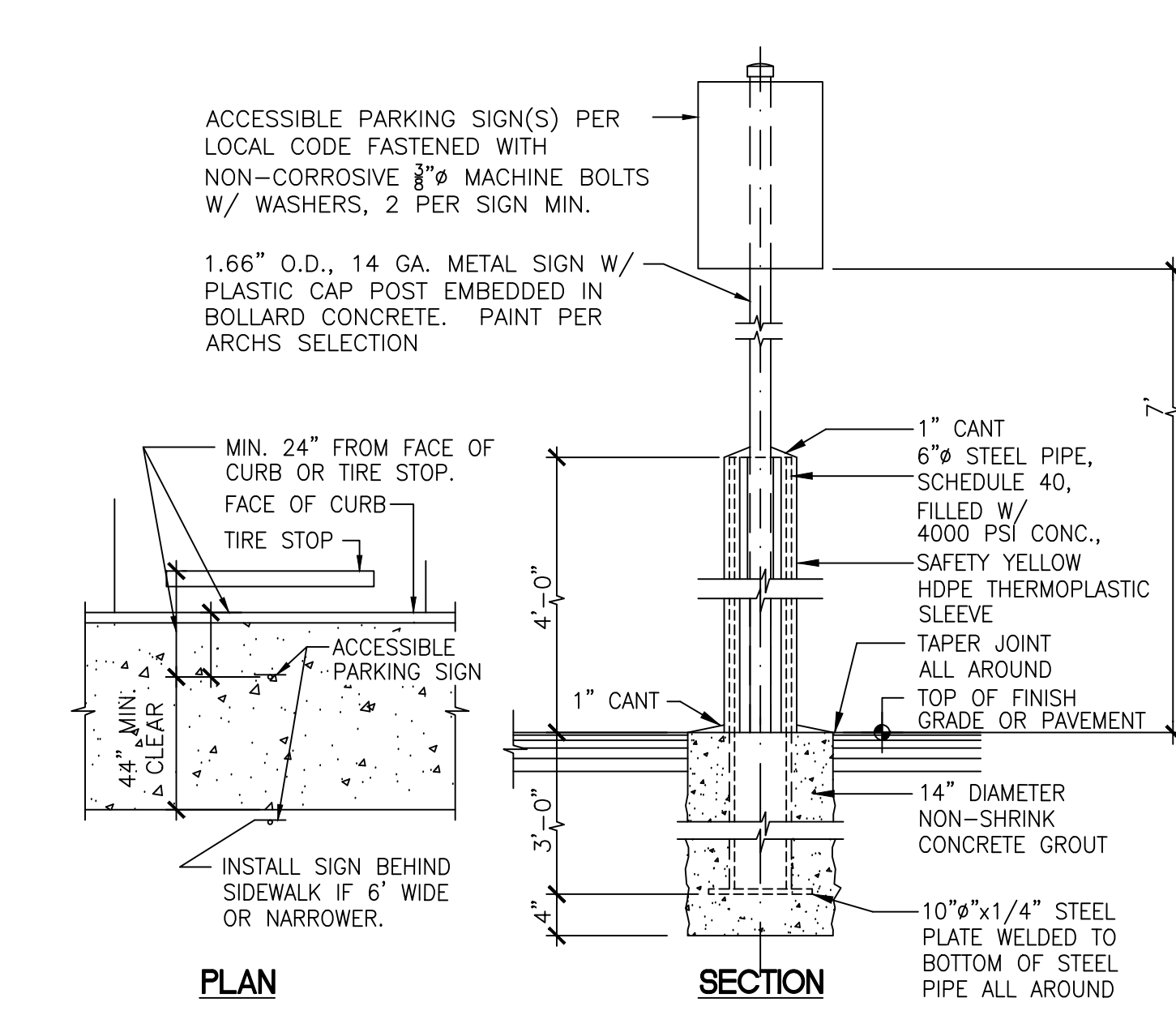
1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. TWO PIECE STEEL POST SHALL BE EMBEDDED 3'-8" MIN. ONE PIECE STEEL POST SHALL BE EMBEDDED 3'-4" MAX.
3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING; GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATIONS A 123.
4. POSTS MAY BE STEEL OR 2 PIECE STEEL U-POST IN CONFORMANCE WITH THE NOTES BELOW.
5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
6. BOLTS SHALL NOT PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT BUT SHALL ENGAGE ALL THE THREADS IN THE NUT.
7. THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:
 - EDGE OF PAVEMENT TO BOTTOM OF SIGN AS PER SECTION 2A-23 OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
 - GROUNDLINE TO BOTTOM OF SIGN SHALL BE 7 FEET MINIMUM FOR SINGLE POST INSTALLATIONS, THE MINIMUM DISTANCE FROM GROUNDLINE TO THE TOP OF SIGN MUST BE 9 FEET.
8. PERMANENT SIGN SUPPORTS SHALL BE INSTALLED ON SLOPES GREATER THAN 10%, UNLESS BEHIND A TRAFFIC BARRIER, AND THE SLOPE SHALL EXCEED A MINIMUM OF 3" OF BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
9. EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH U-POST SIGN SUPPORTS.
10. U-POST SIGN SUPPORTS SHALL NOT BE PLACED IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
11. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPICE MAY BE MADE AND MUST BE A MINIMUM OF 9 FEET FROM THE GROUNDLINE TO CENTER LINE OF SPLICE.

SIGN POST
NTS

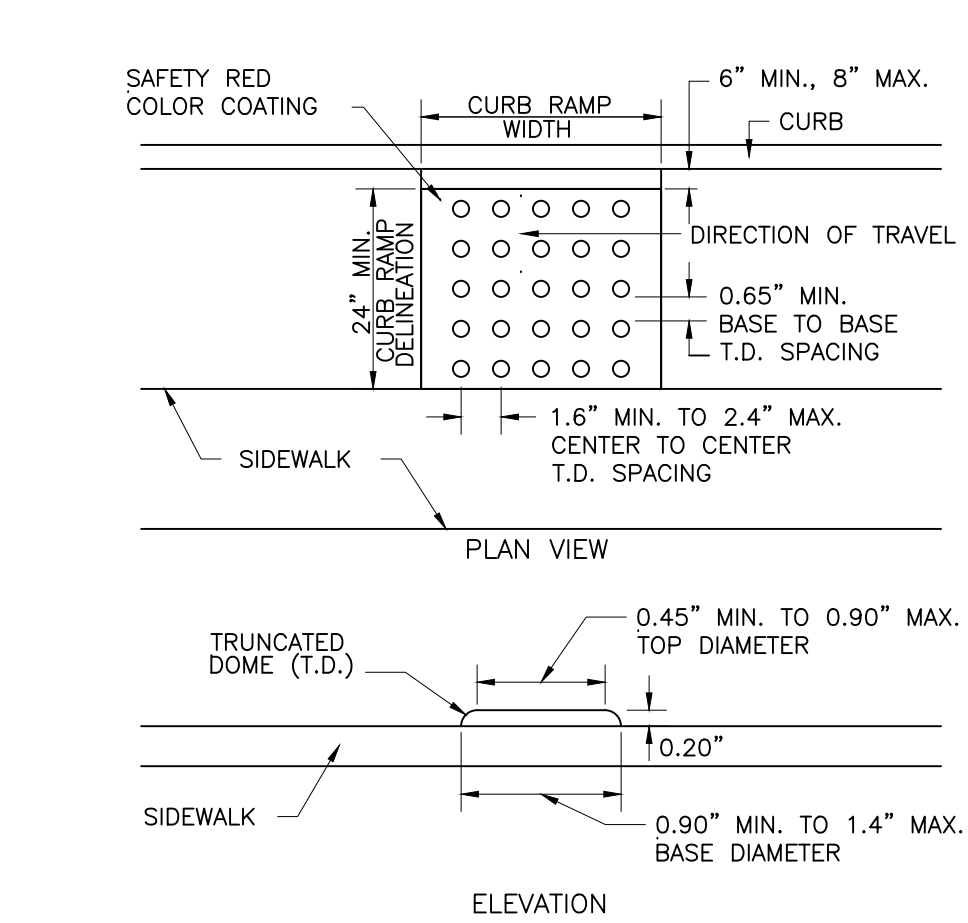


TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO SPEC. M-213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

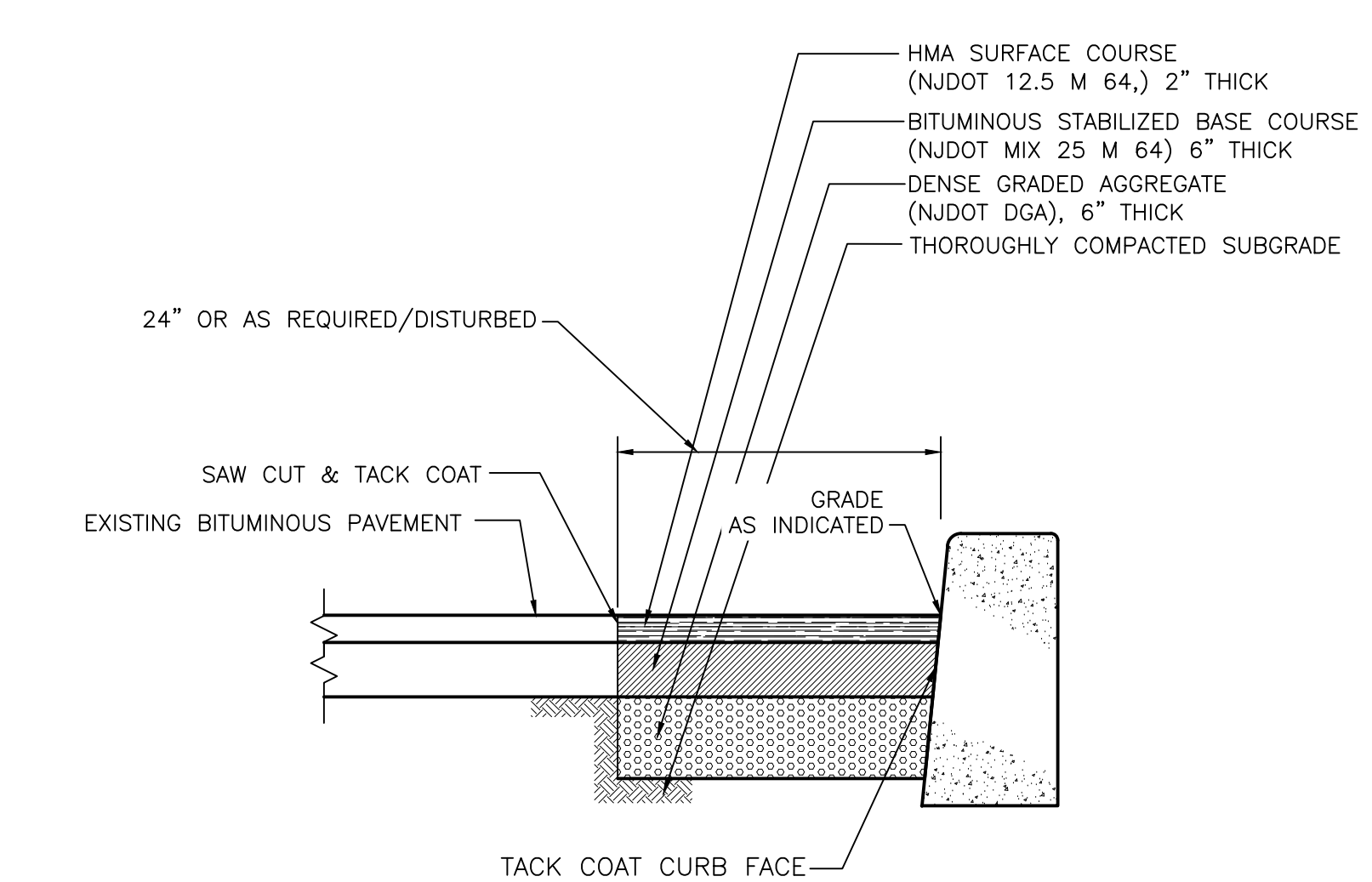
ON-SITE CONCRETE VERTICAL CURB DETAIL
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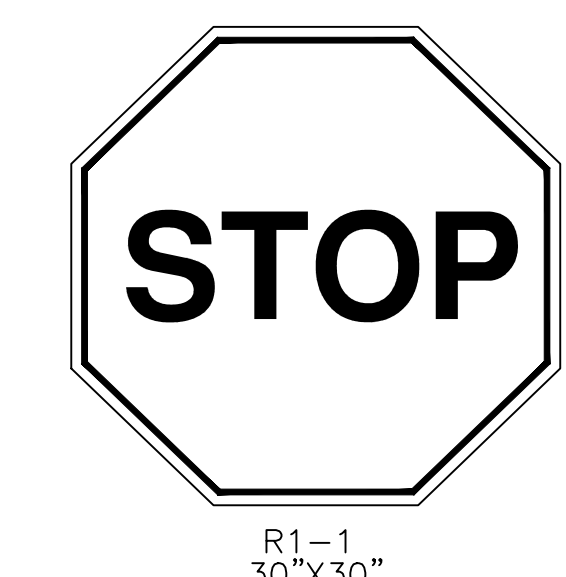
HC SIGN AND BOLLARD
Scale: N.T.S.



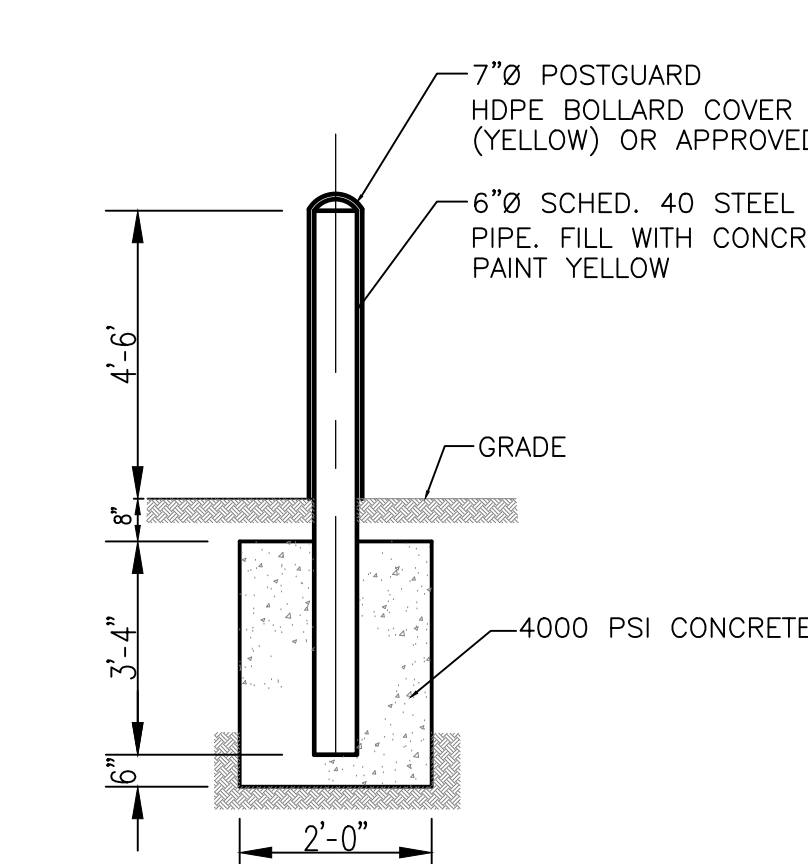
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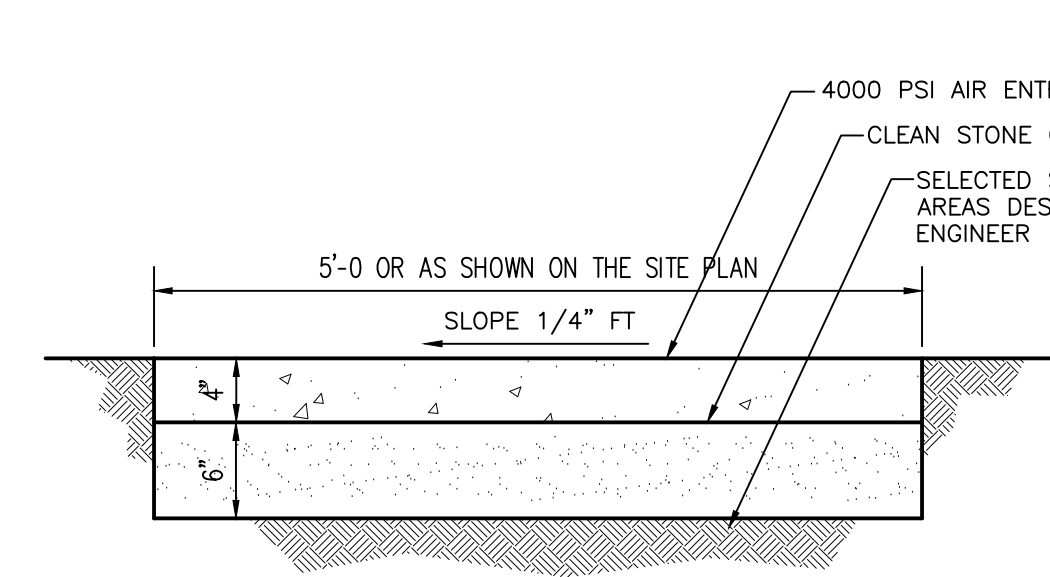
CURB PATCHING DETAIL
Scale: N.T.S.



STOP SIGN
Scale: N.T.S.

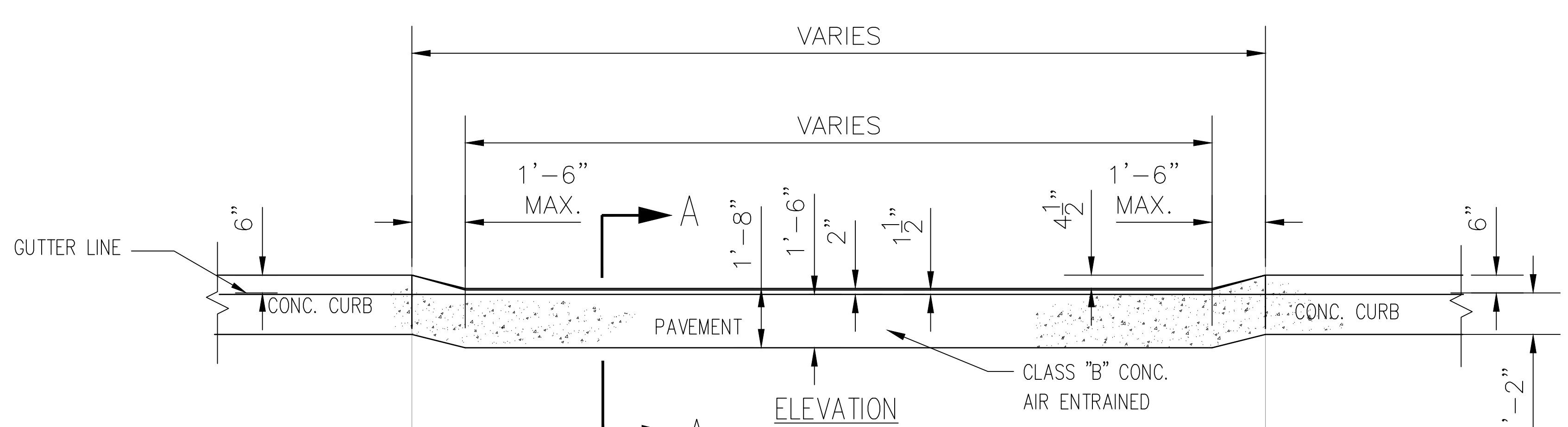


BOLLARD DETAIL
Scale: N.T.S.

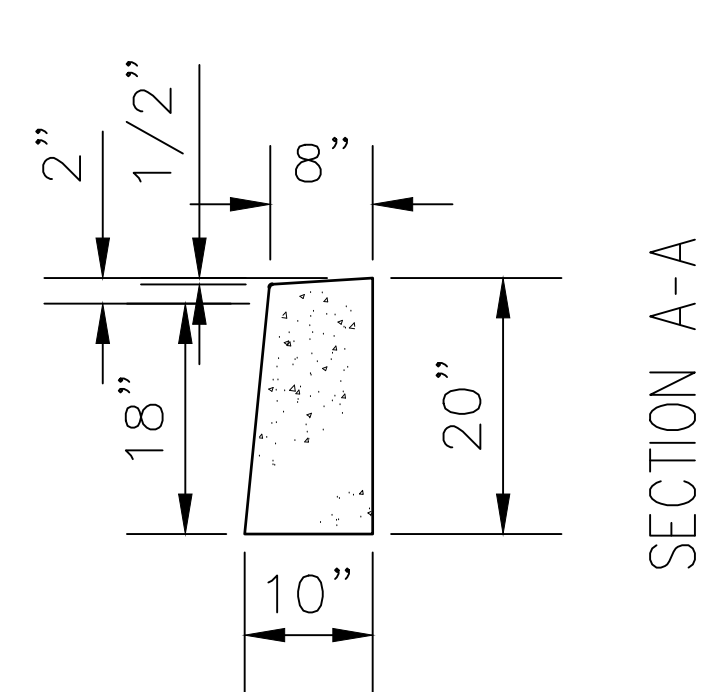


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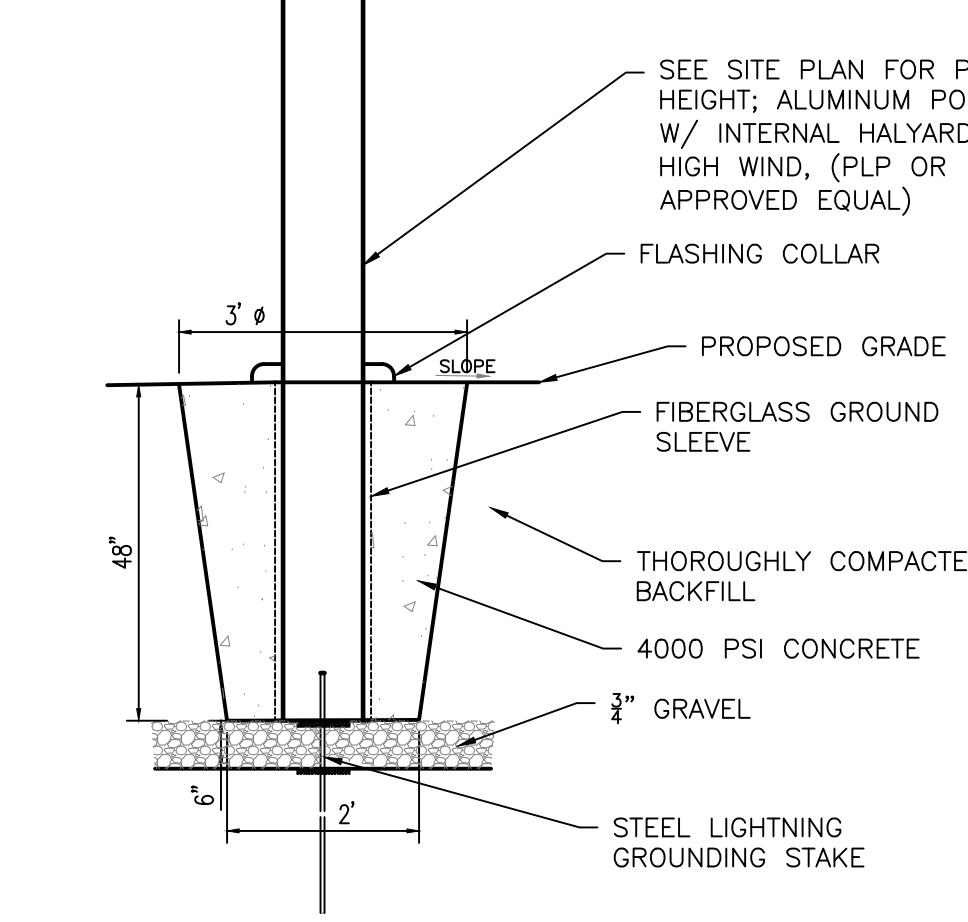
- NOTES:**
1. CONCRETE TO TEST 4000 PSI PER SQ. INCH MINIMUM ON 28 DAY COMPRESSIVE TEST.
 2. ALL CONCRETE IS TO BE PROPERLY CURED USING A CURING COMPOUND, SALT HAY, BURLAP OR OTHER METHOD ACCEPTABLE TO MUNICIPAL ENGINEER.
 3. CONCRETE SLUMP TO BE 3(±1) INCHES OR AS DIRECTED BY THE MUNICIPAL ENGINEER.
 4. STEEL SEPARATORS SHALL BE USED WITH ALL THE FORMS TO CREATE A CONSTRUCTION JOINT EVERY 8 FEET ALONG THE SIDEWALK.
 5. A HALF INCH EXPANSION JOINT OF A NON-EXTRUDABLE, FIBROUS BITUMASTIC MATERIAL SHALL BE PLACED ON 16 FOOT CENTERS MAXIMUM.
 6. CONTRACTORS TO NOTIFY MUNICIPAL ENGINEER 24 HOURS PRIOR TO POURING.
 7. A HALF INCH EXPANSION JOINT OF NON-EXTRUDABLE, FIBROUS BITUMASTIC MATERIAL SHALL BE ADDED CONTINUOUSLY BETWEEN THE CURB AND SIDEWALK WHERE A GRASS AREA IS NOT APPROVED.



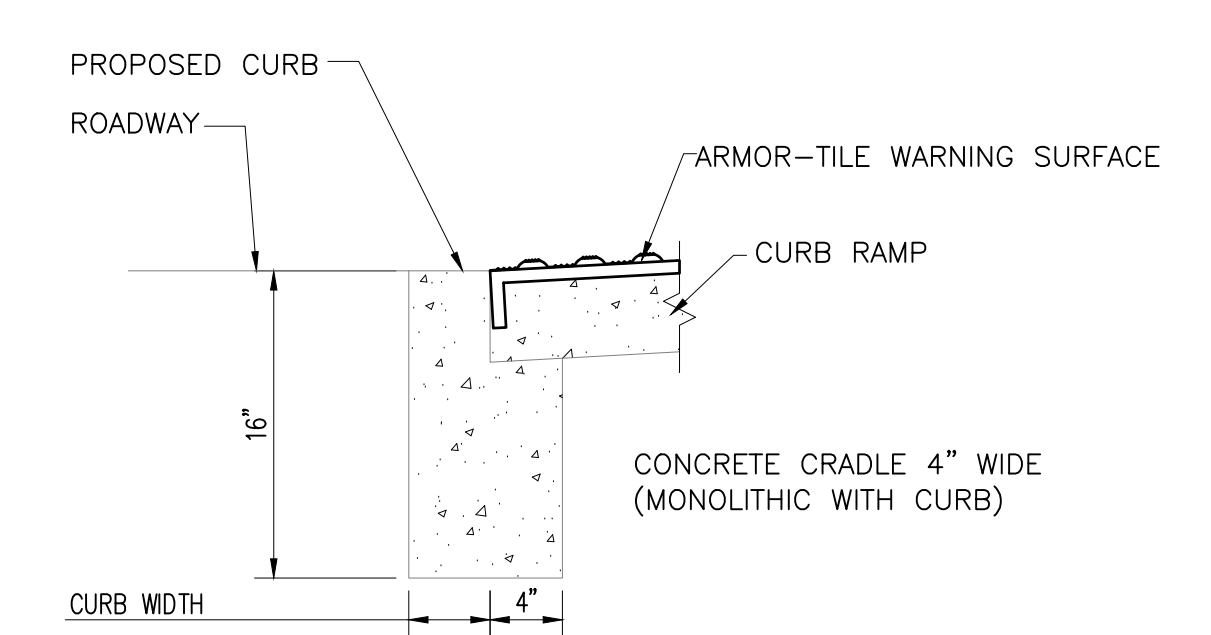
CONCRETE APRON/SIDEWALK DETAIL
Scale: N.T.S.



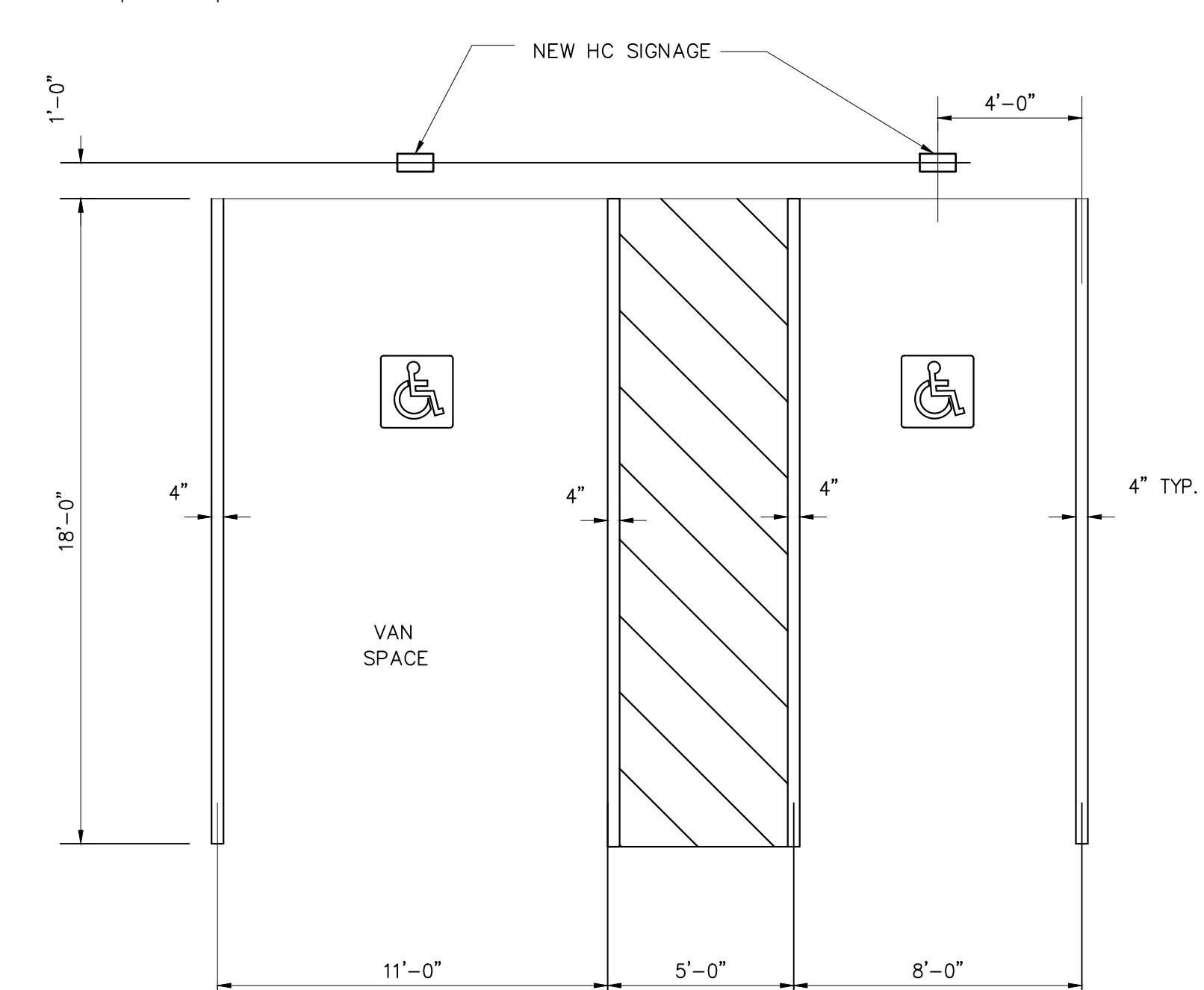
FLAG POLE FND
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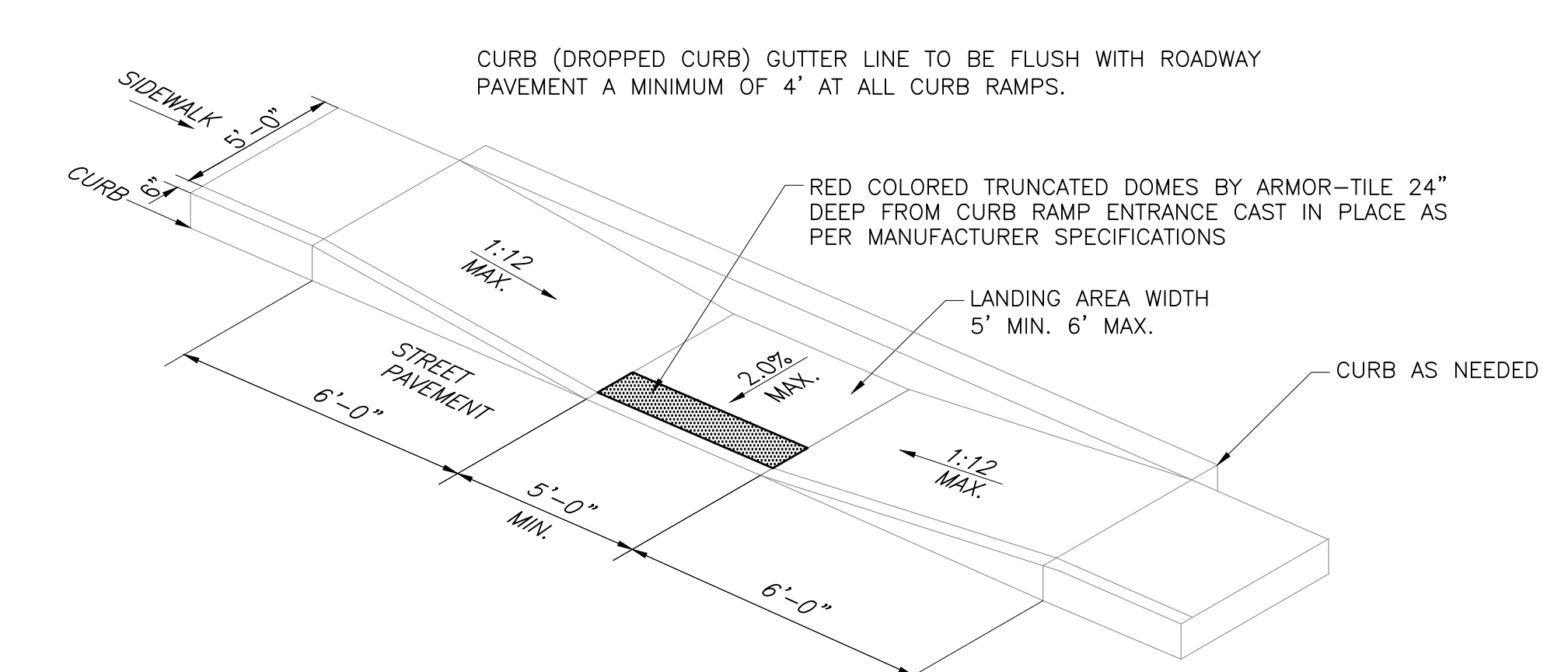
FLAG POLE FND
Scale: N.T.S.



DEPRESSED CURB & CRADLE DETAIL
Scale: N.T.S.



HANDICAP ACCESSIBLE PARKING SPACES
NTS



HANDICAP RAMP DETAIL
Scale: N.T.S.

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ROBERT J. LABELSON
PROFESSIONAL ENGINEER
IN THE STATE OF COLORADO
P.E. NO. 10000

THE GOLDSTEIN PARTNERSHIP
ARCHITECTS

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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN

35 FRISK STREET
FAIR HAVEN, NJ 07704

SITE DETAILS

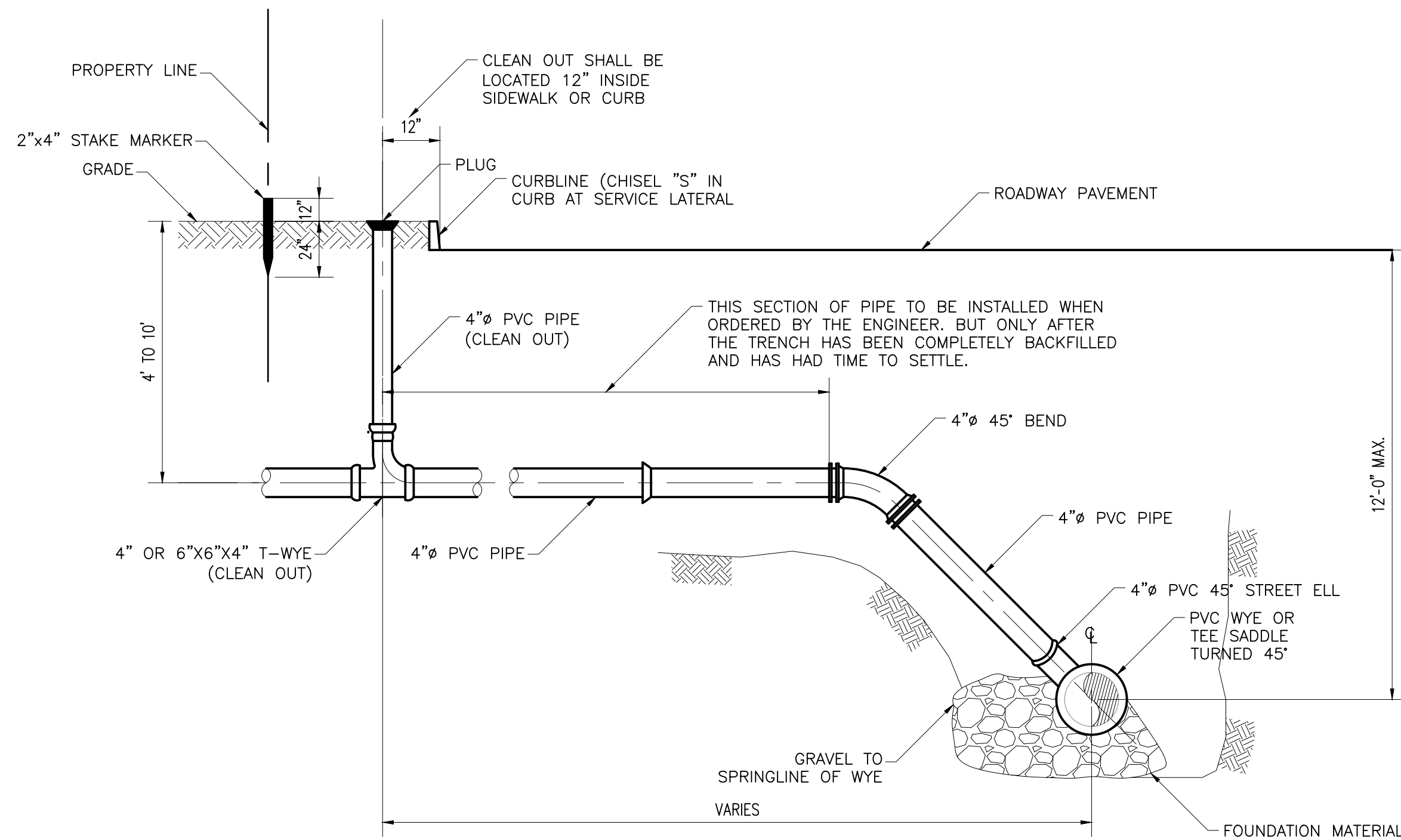
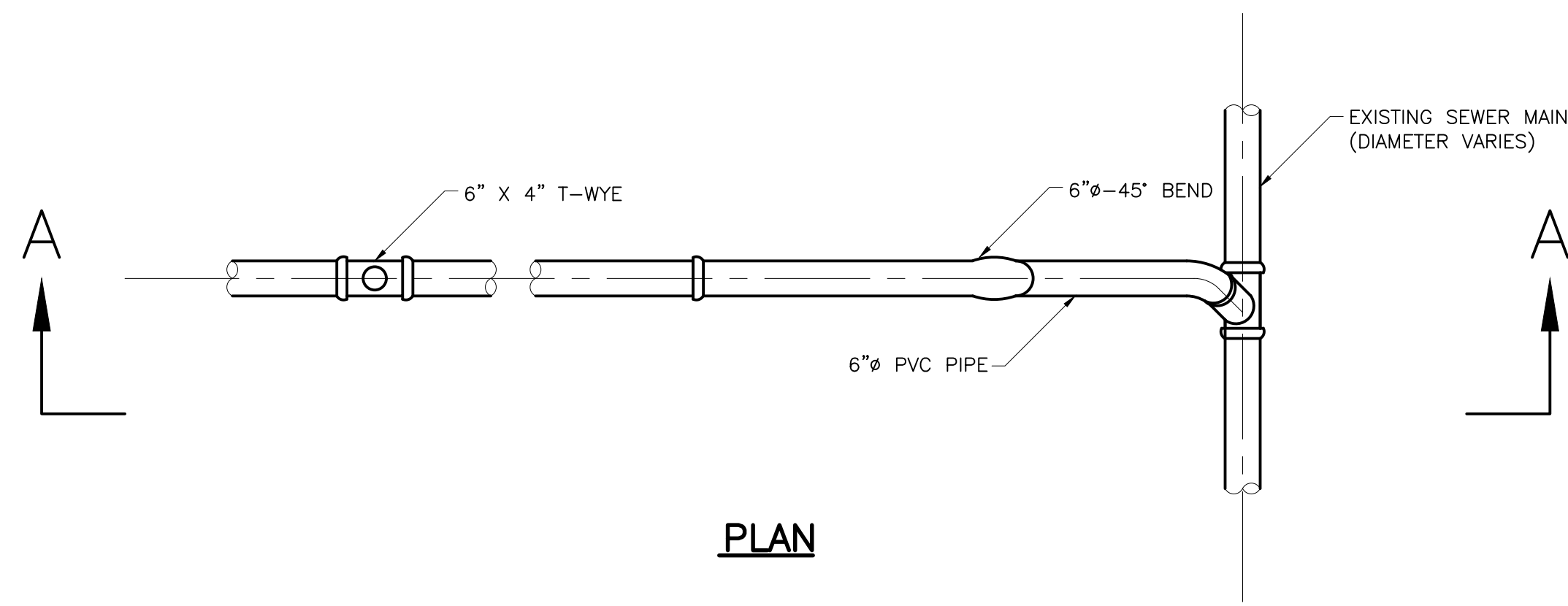
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DATE: 02/2022

DRAWN BY: CAC/ELIA

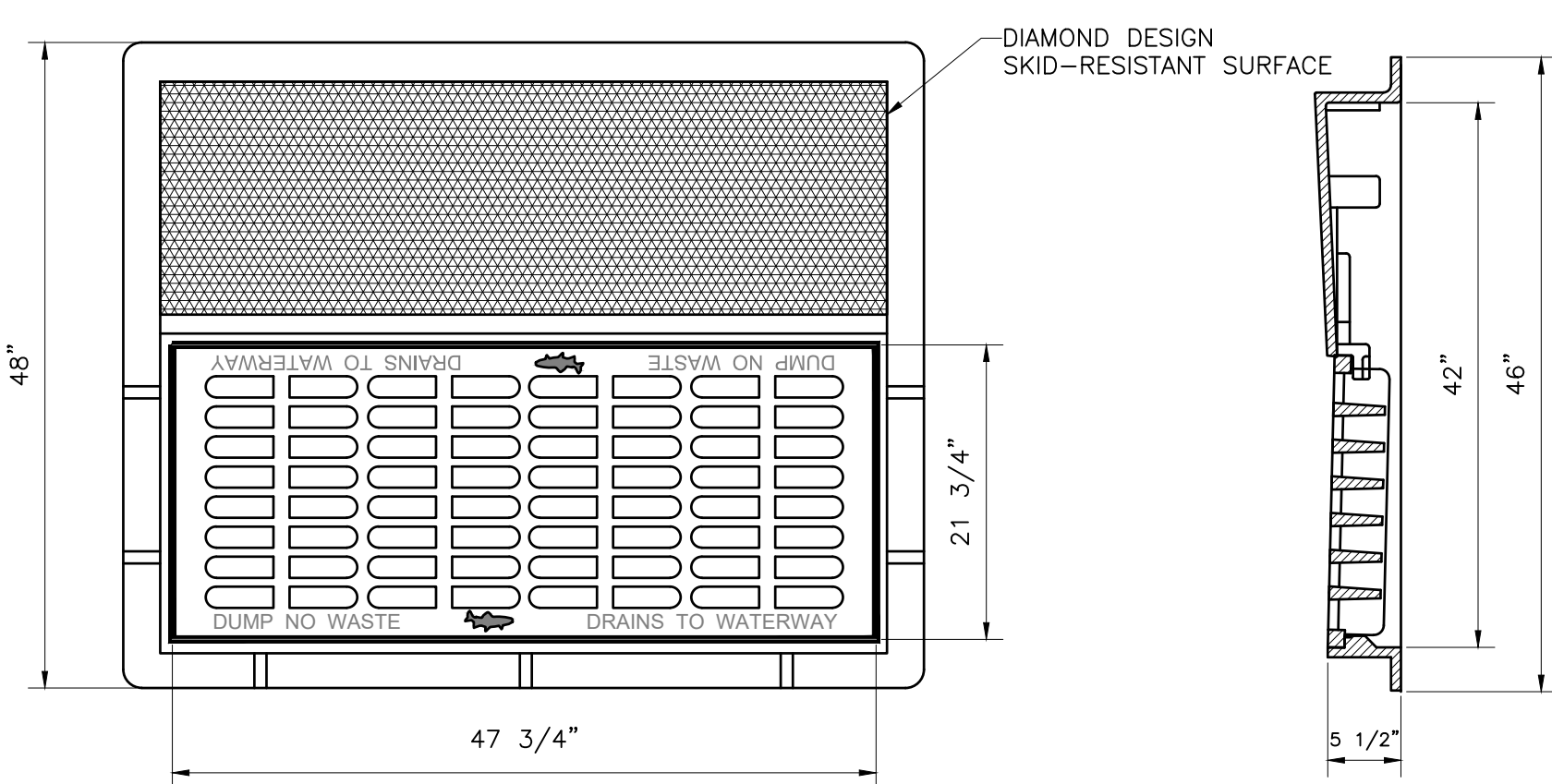
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C-108

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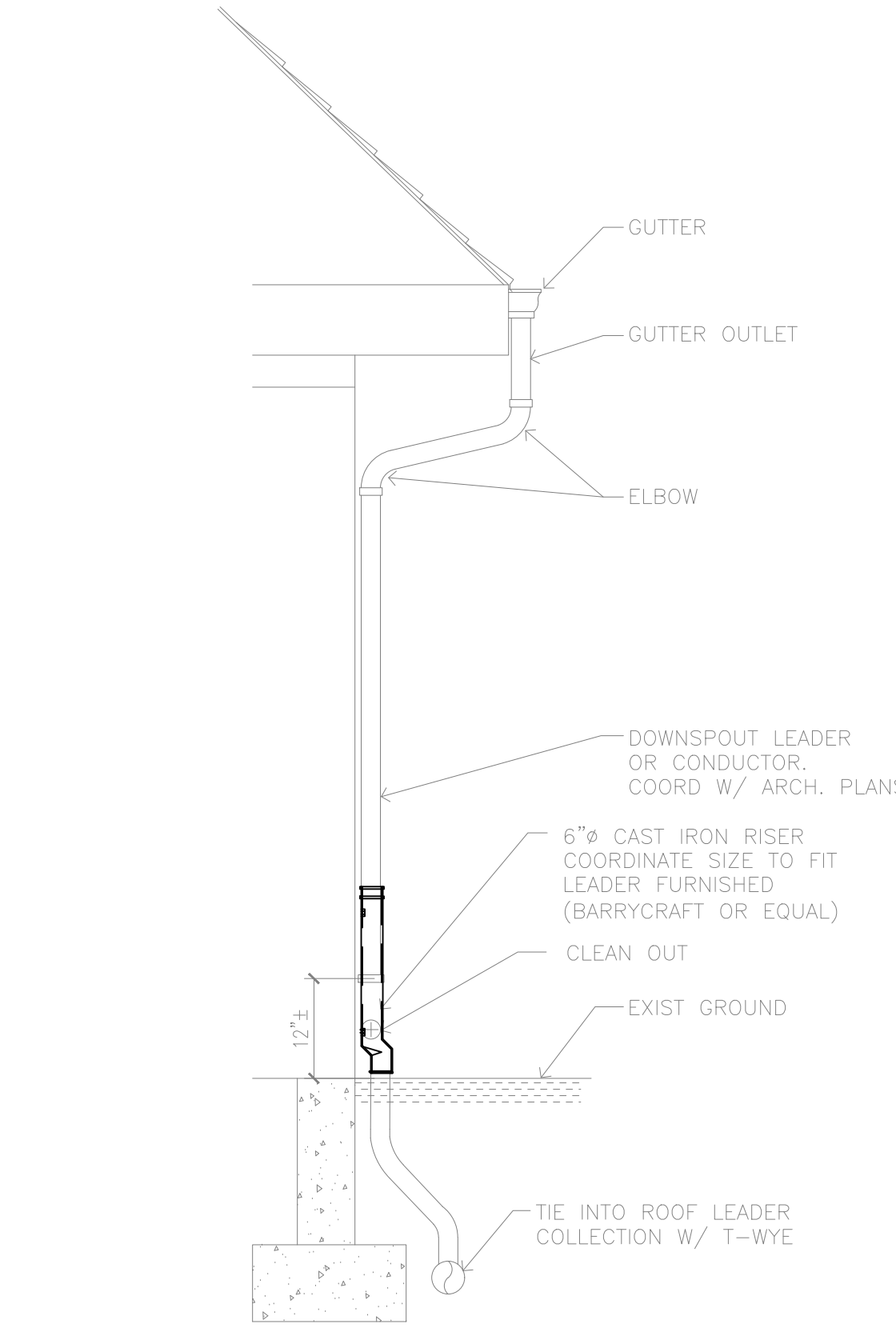


SEWER SERVICE DETAIL
Scale: N.T.S.

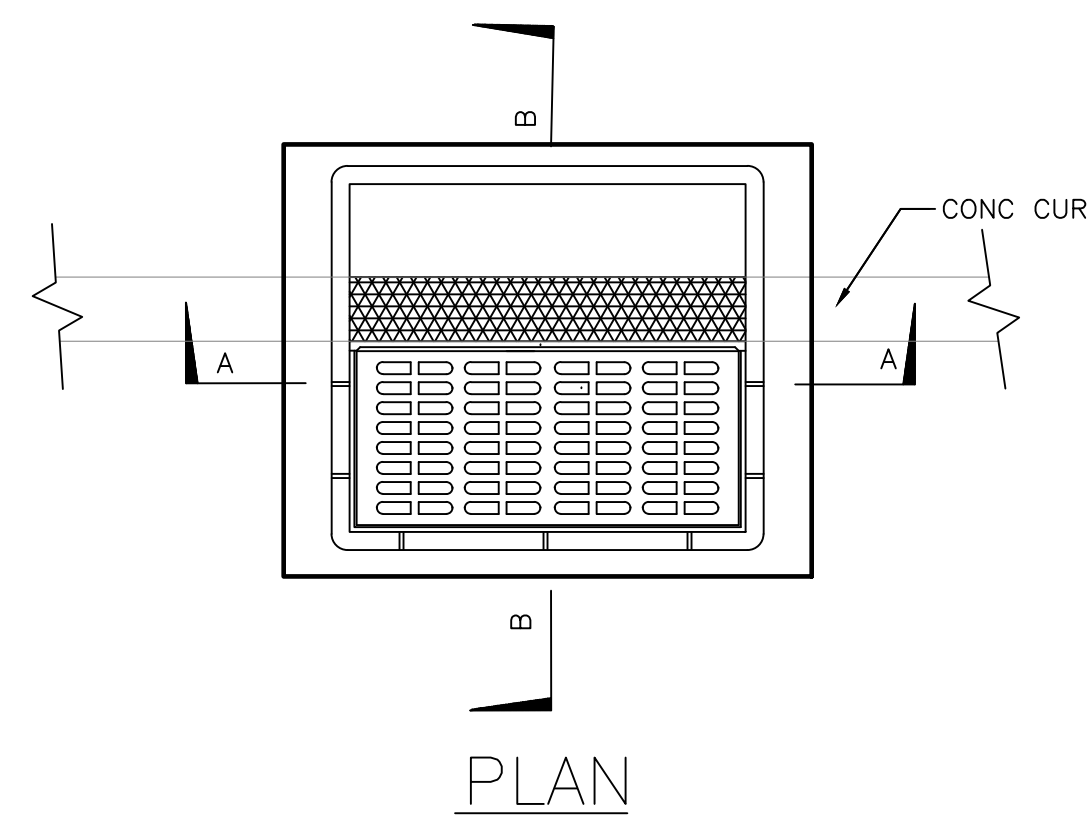


- NOTES:
1. MATERIAL: GRAY CAST IRON ASTM A48-83, CLASS 30B
2. AASHTO HS20-44 HIGHWAY LOADING
3. SUPPLIED WITHOUT SURFACE COATING

DRIVEWAY ACCESS BACKPLATE
Scale: NTS

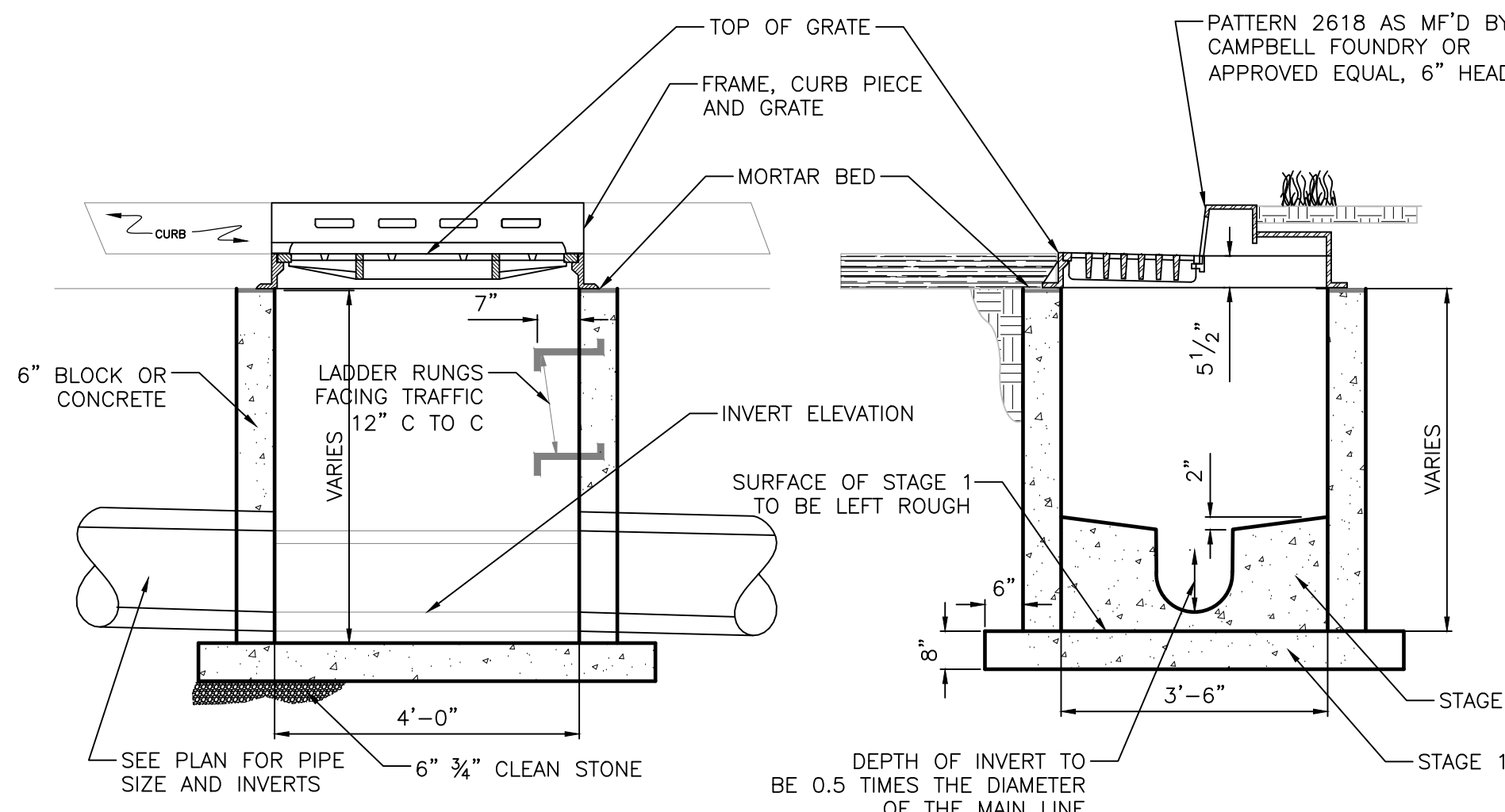


ROOF LEADER DETAIL
Scale: N.T.S.

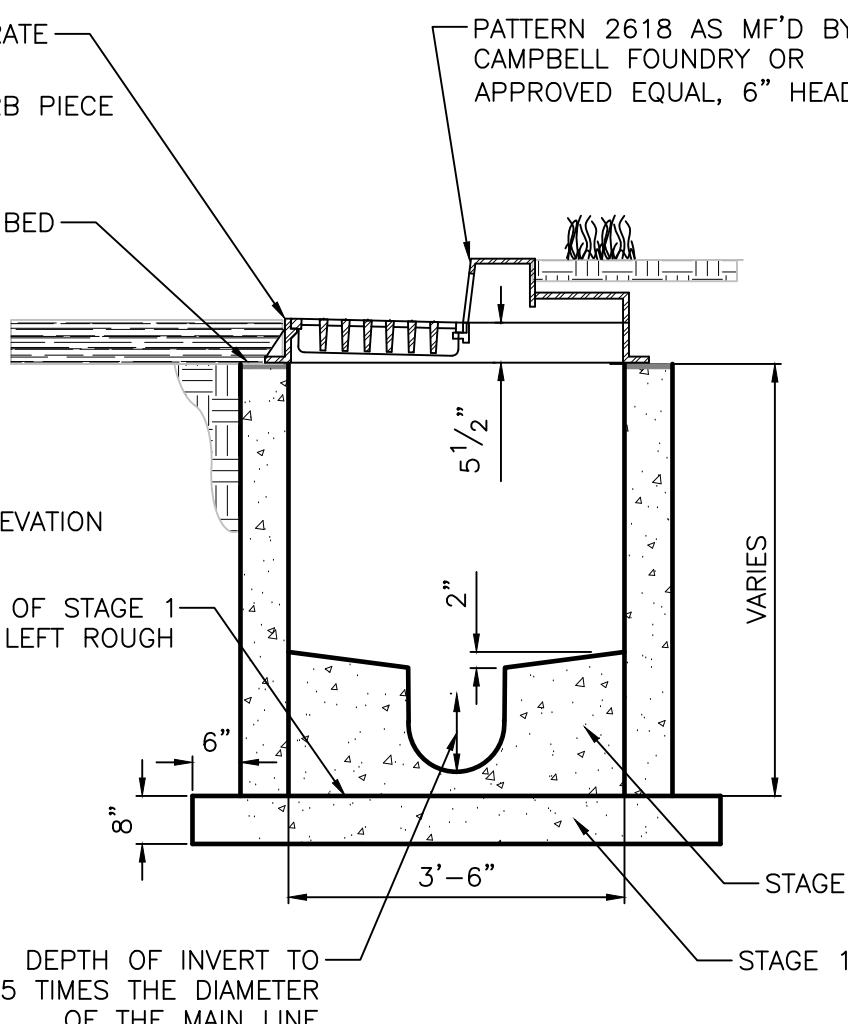


SECTION A-A

TYPE "B" INLET
NTS

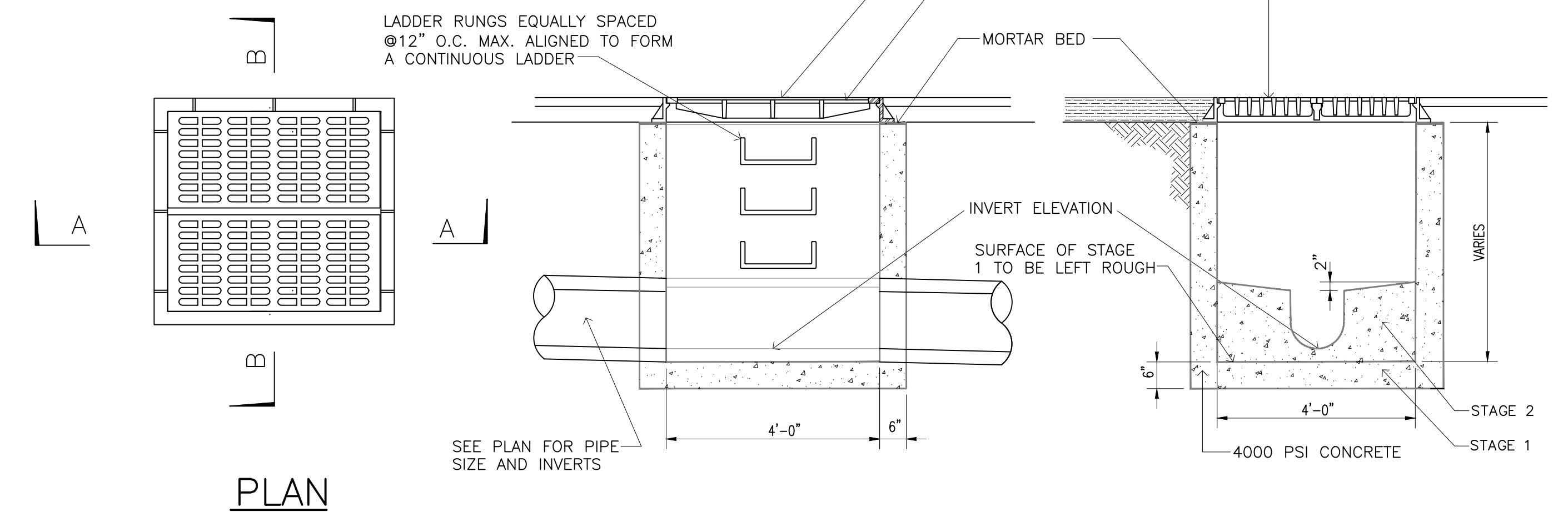


SECTION B-B



DOGHOUSE STORM MANHOLE
Scale: N.T.S.

NOTE:
INLET MAY BE CONSTRUCTED OF PRECAST CONCRETE OR CONCRETE BASIN BLOCK. PRECAST INLET SECTIONS SHALL CONFORM TO ASTM C 478. THE INSIDE OF BLOCK INLETS SHALL BE PARGED WITH 1/2" COATING OF 1:2 CEMENT SAND MORTAR DEPTH OF INVERT TO BE 0.50 OF THE DIAMETER OF THE MAIN SEWER THROUGH THE INLET. BOTTOM OF FOOTING TO BE 8" BELOW BOTTOM O.D. OF THE LOWEST PIPE. FOING TO BE CONSTRUCTED IN 2 STAGES.

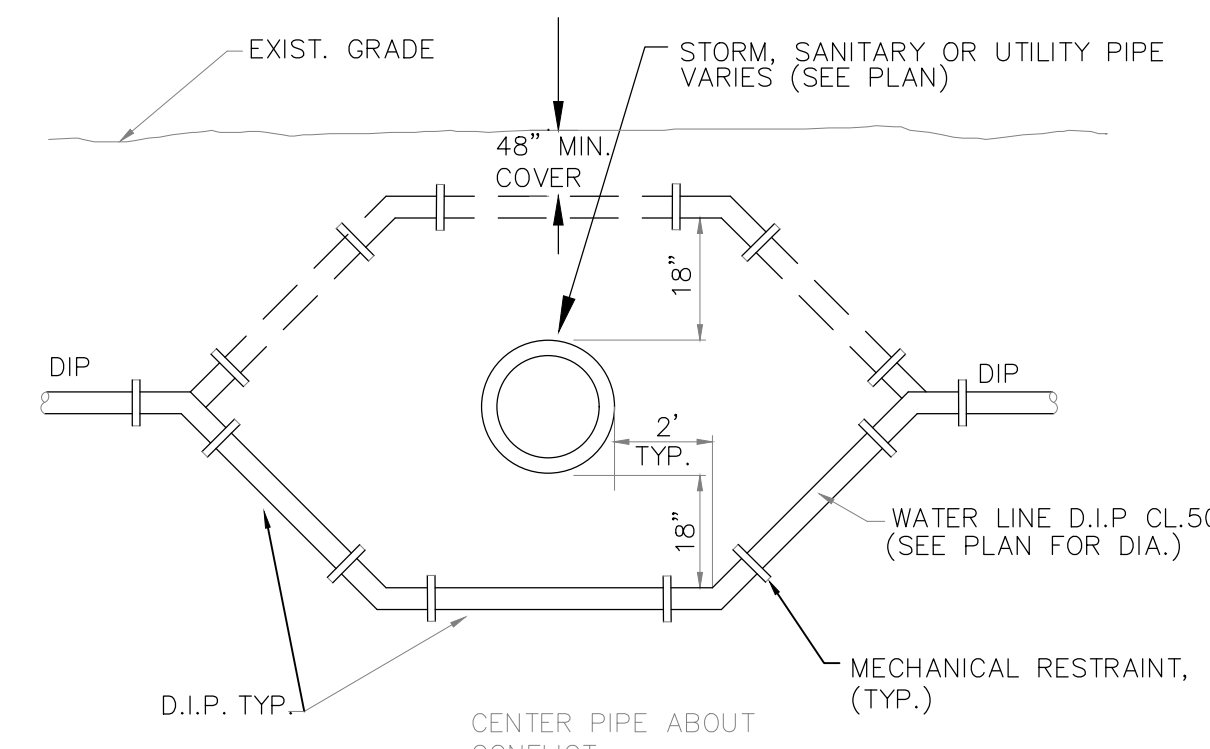


SECTION A-A

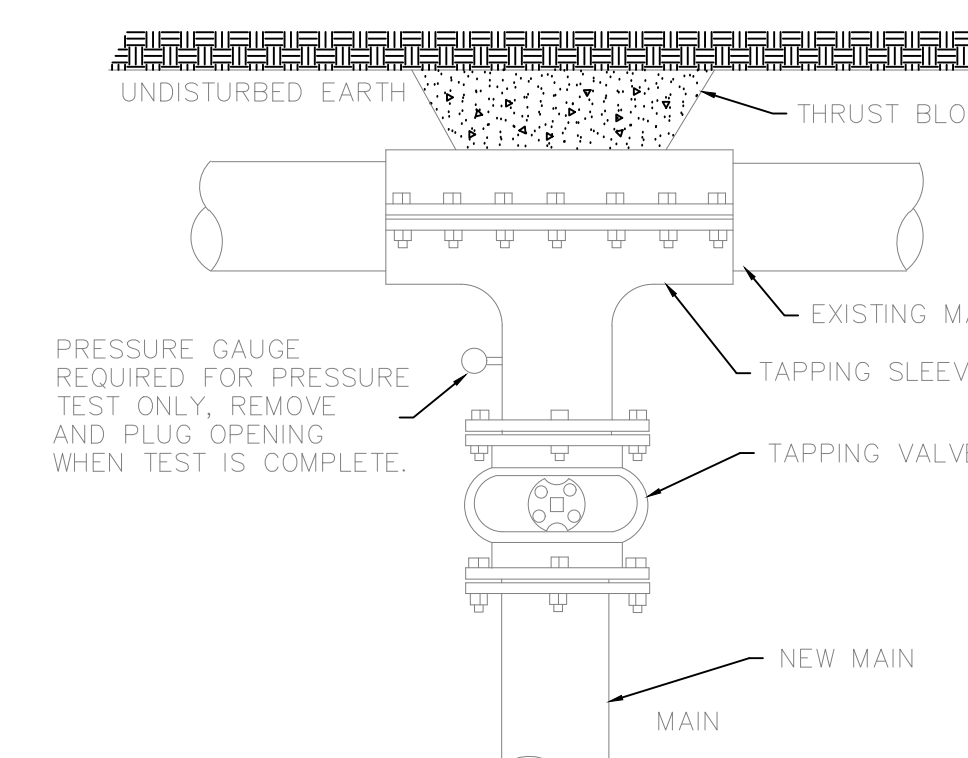
SECTION B-B

E INLET DETAIL
Scale: N.T.S.

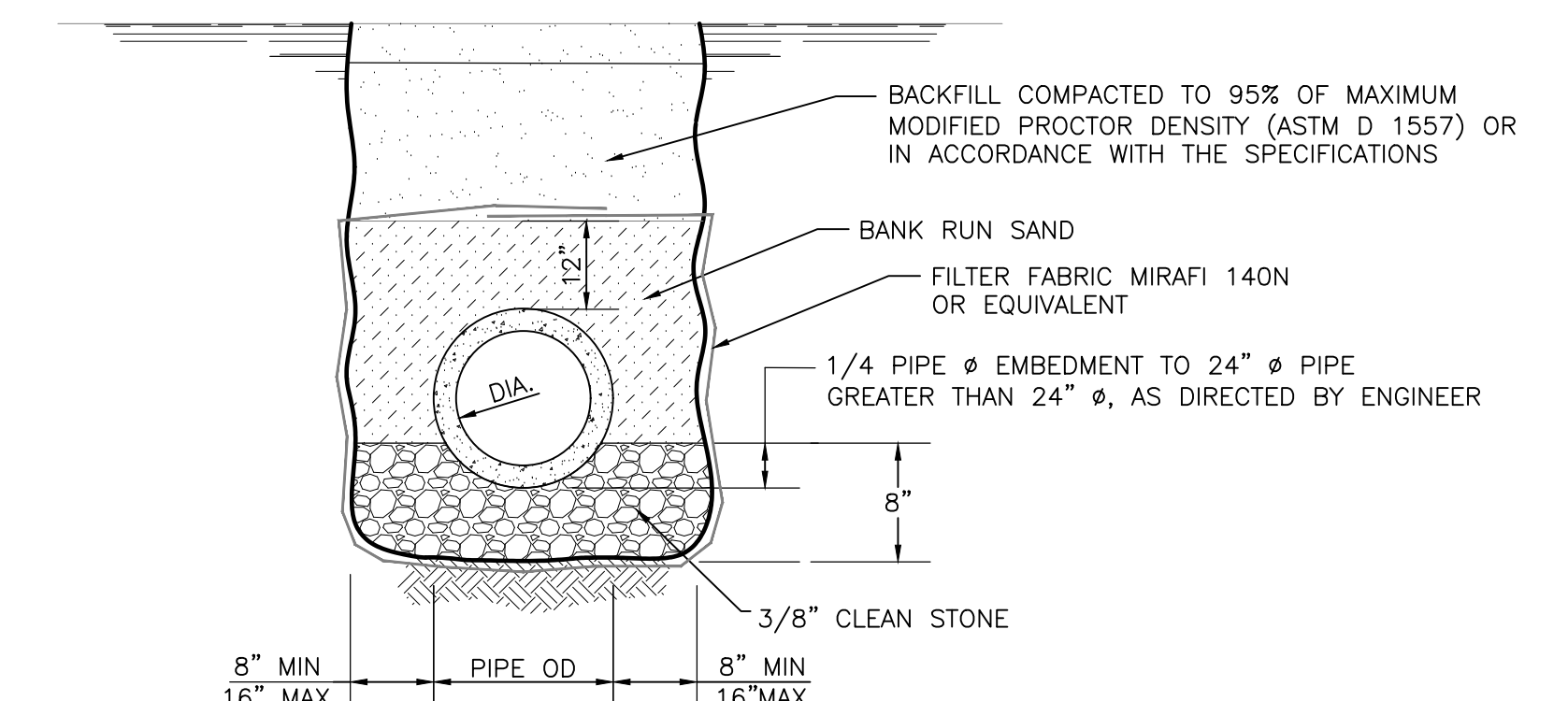
- NOTES:
1. INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT THE RATE OF GRADE OF 2" INCHES PER FOOT.
2. THIS INLET MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1:2 CEMENT MORTAR. THE INSIDE WALLS SHALL BE STRUCK & POINTED.
3. PROVIDE 3/8" DIA. X 7" X 12" ALUMINUM LADDER RUNGS.
4. INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 2618 OR APPROVED EQUAL.
5. WHEN DEPTH IS GREATER THEN 12' THE WALLS SHOULD BE EITHER 8" CONCRETE OR 8" BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
6. PRECAST INLET SECTIONS SHALL CONFORM TO ASTM C 478. INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
7. TRIM PIPE FLUSH WITH INSIDE WALL. PROVIDE SEAL AROUND PIPE TO PREVENT LEAKAGE



UTILITY CONFLICT
Scale: N.T.S.



WET TAP
Scale: N.T.S.



TRENCH BEDDING DETAIL
Scale: N.T.S.

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10410 BELLEVILLE ROAD, SUITE 200
DUBLIN, OHIO 43017
CAMPBELL FOUNDRY PATTERN #1202 OR APPROVE EQUAL
FRANK H. LEMMA ASSOCIATES, INC. CIVIL & ELECTRICAL ENGINEERS
100 SOUTH MAIN STREET, 2ND FLOOR
FAIR HAVEN, OHIO 43420

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100 SOUTH MAIN STREET, 2ND FLOOR
FAIR HAVEN, OHIO 43420

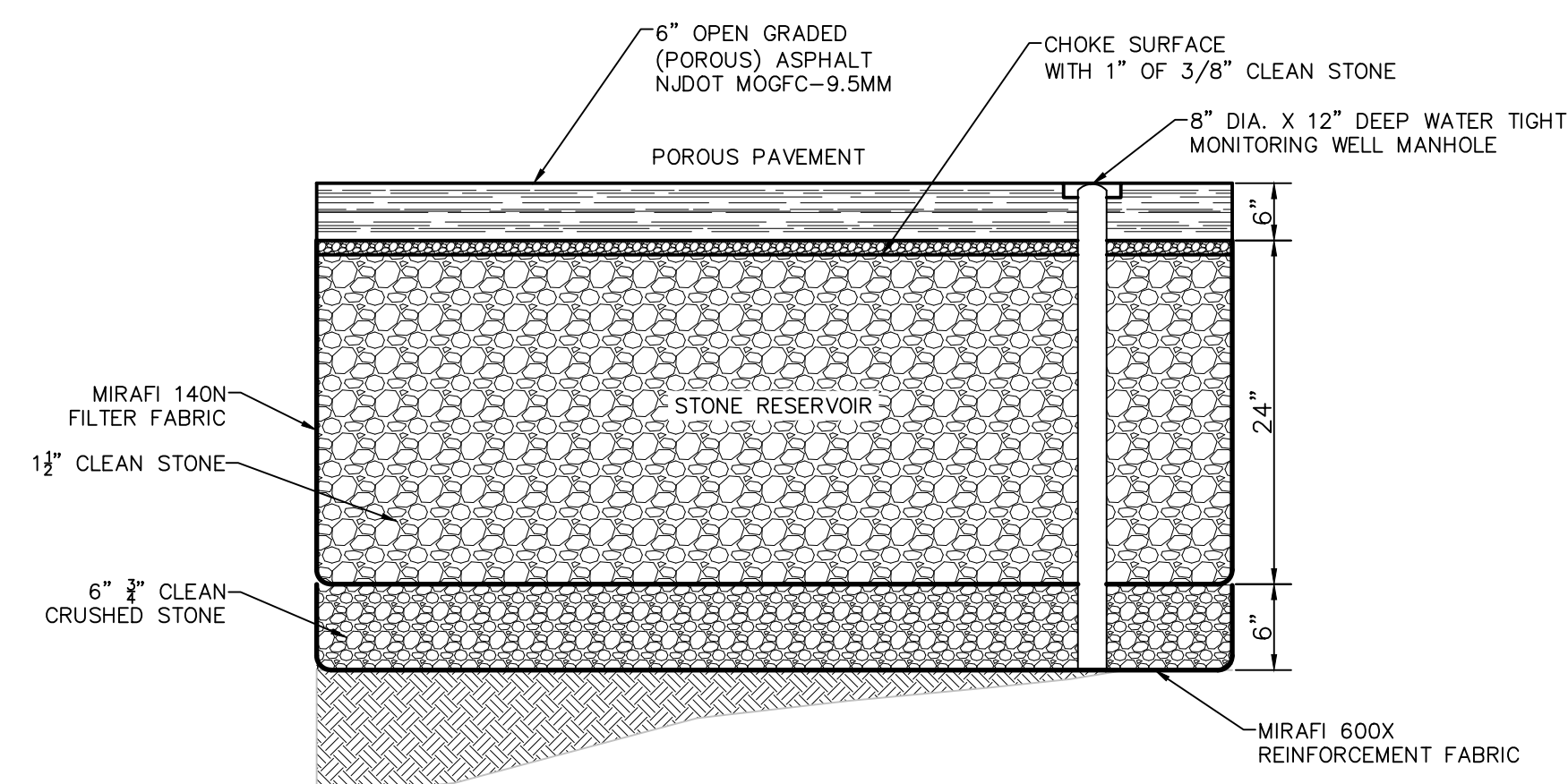
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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN
35 FISK STREET
FAIR HAVEN, NJ 07704

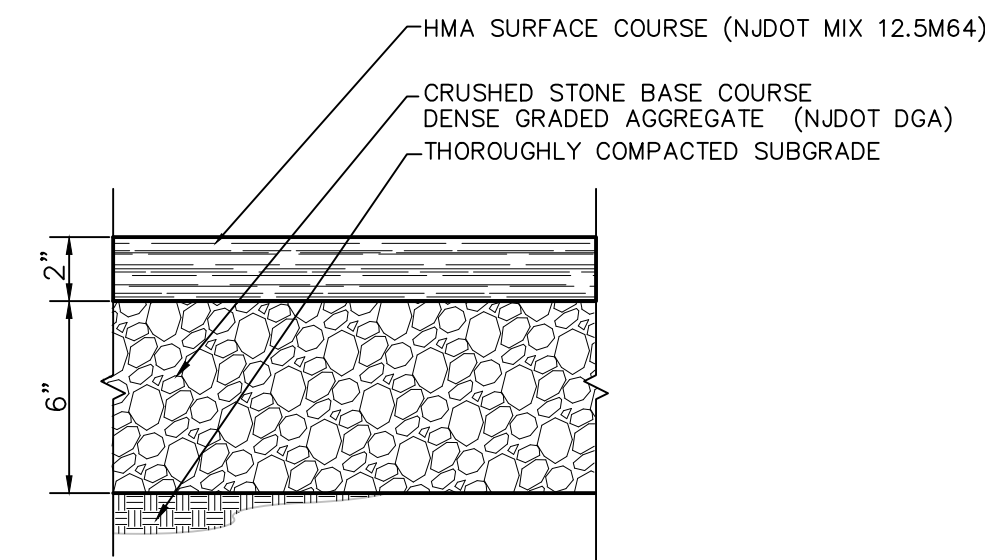
SITE DETAILS
SCALE: AS NOTED
DATE: 02/20/22
DWG: LTB
CHK: EJA

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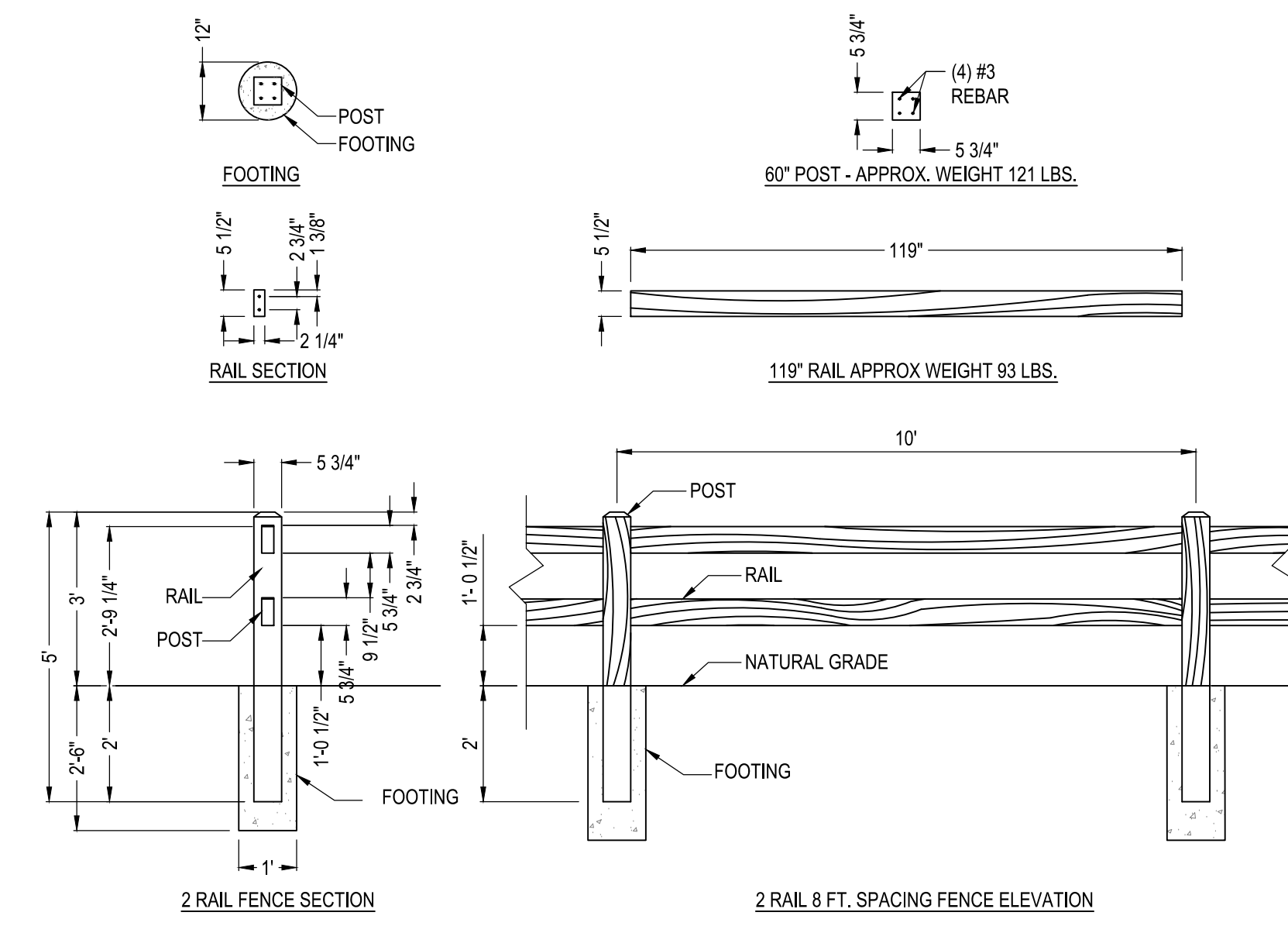
DRAWING NUMBER
C-109
SHEET OF X



POROUS PAVEMENT DETAIL
Scale: N.T.S.

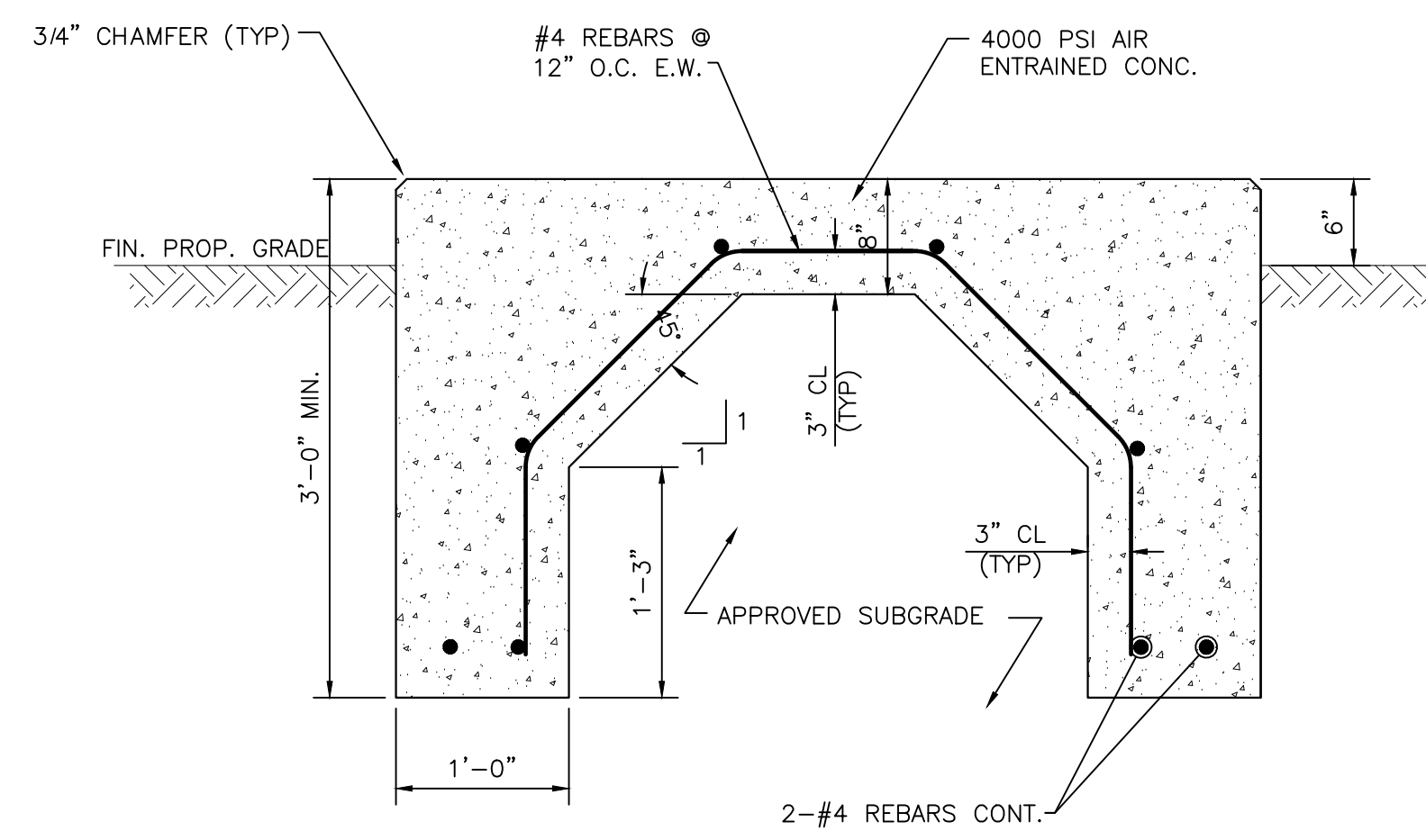


HMA ACCESSIBLE SIDEWALK
Scale: N.T.S.

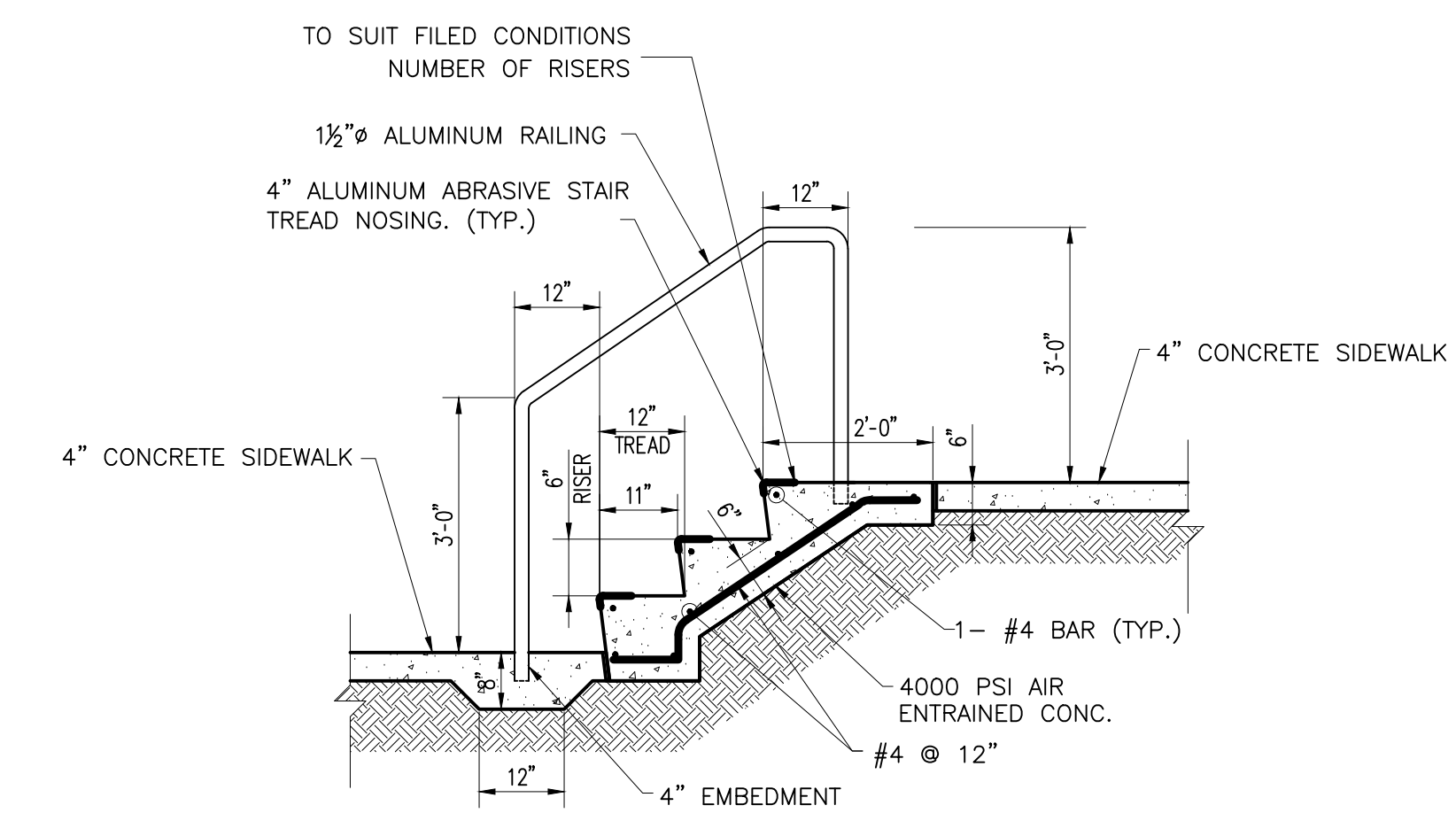


- NOTES:
 1. ALL CONCRETE TO BE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 2. PRIMARY REINFORCEMENT TO BE A518 #3 SYNTHETIC REBAR REINFORCEMENT.
 3. SECONDARY REINFORCEMENT TO BE MICROFIBER REINFORCEMENT.

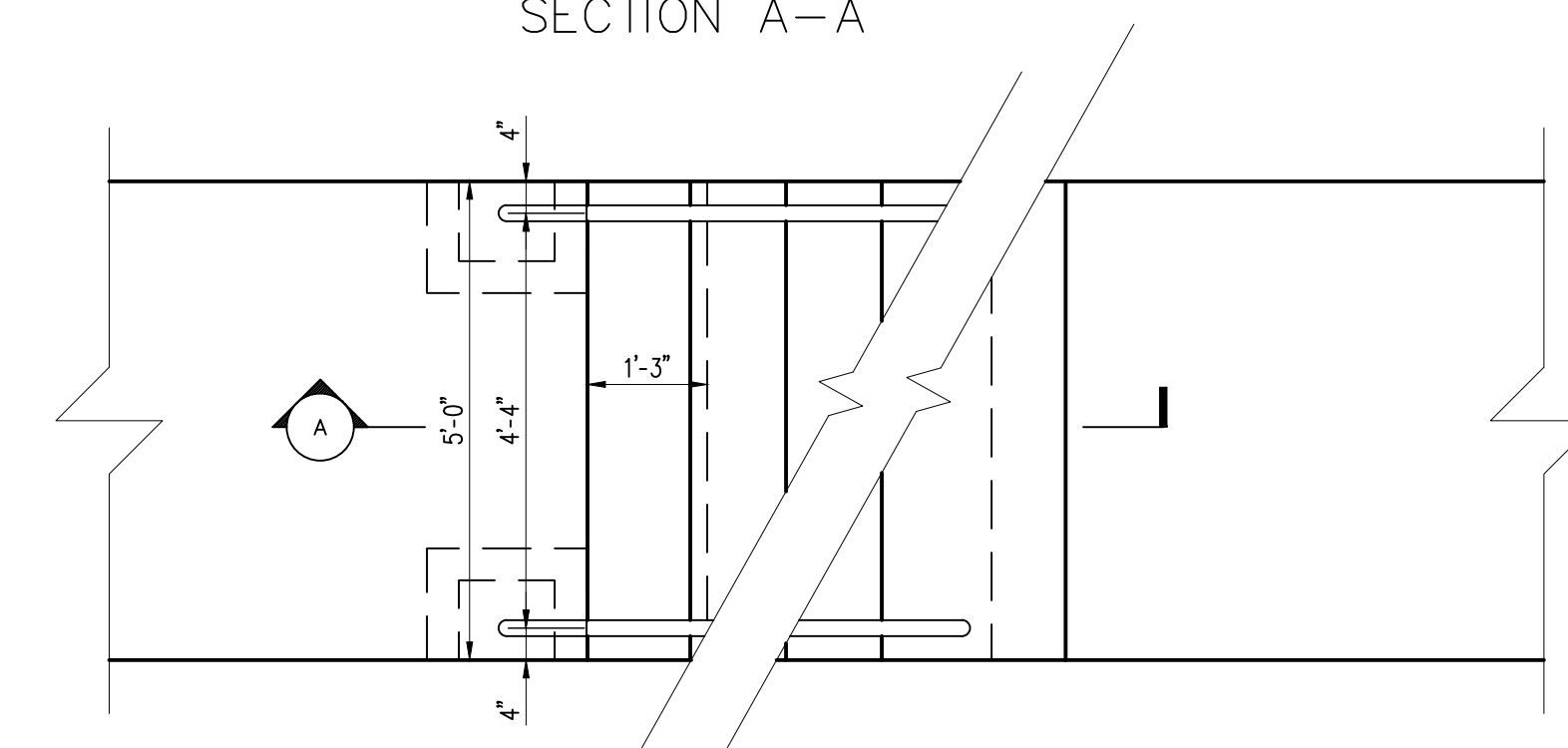
POST AND RAIL FENCE DETAIL
Scale: N.T.S.



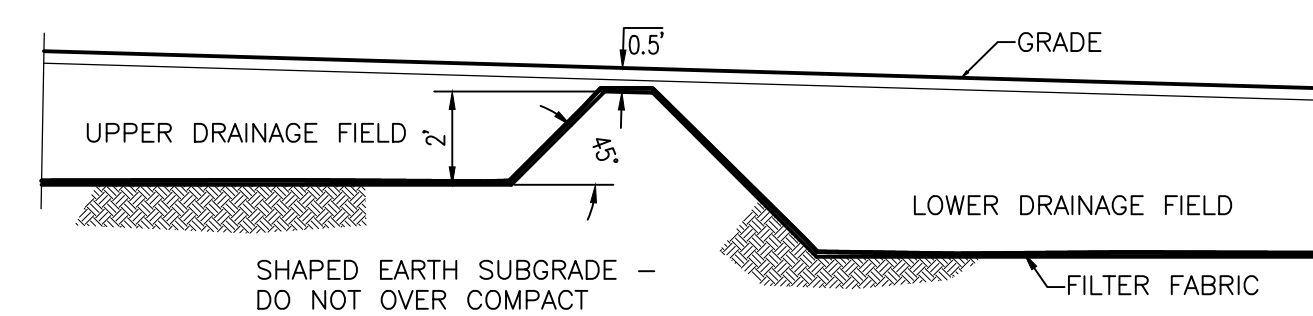
GENERATOR PAD
Scale: N.T.S.



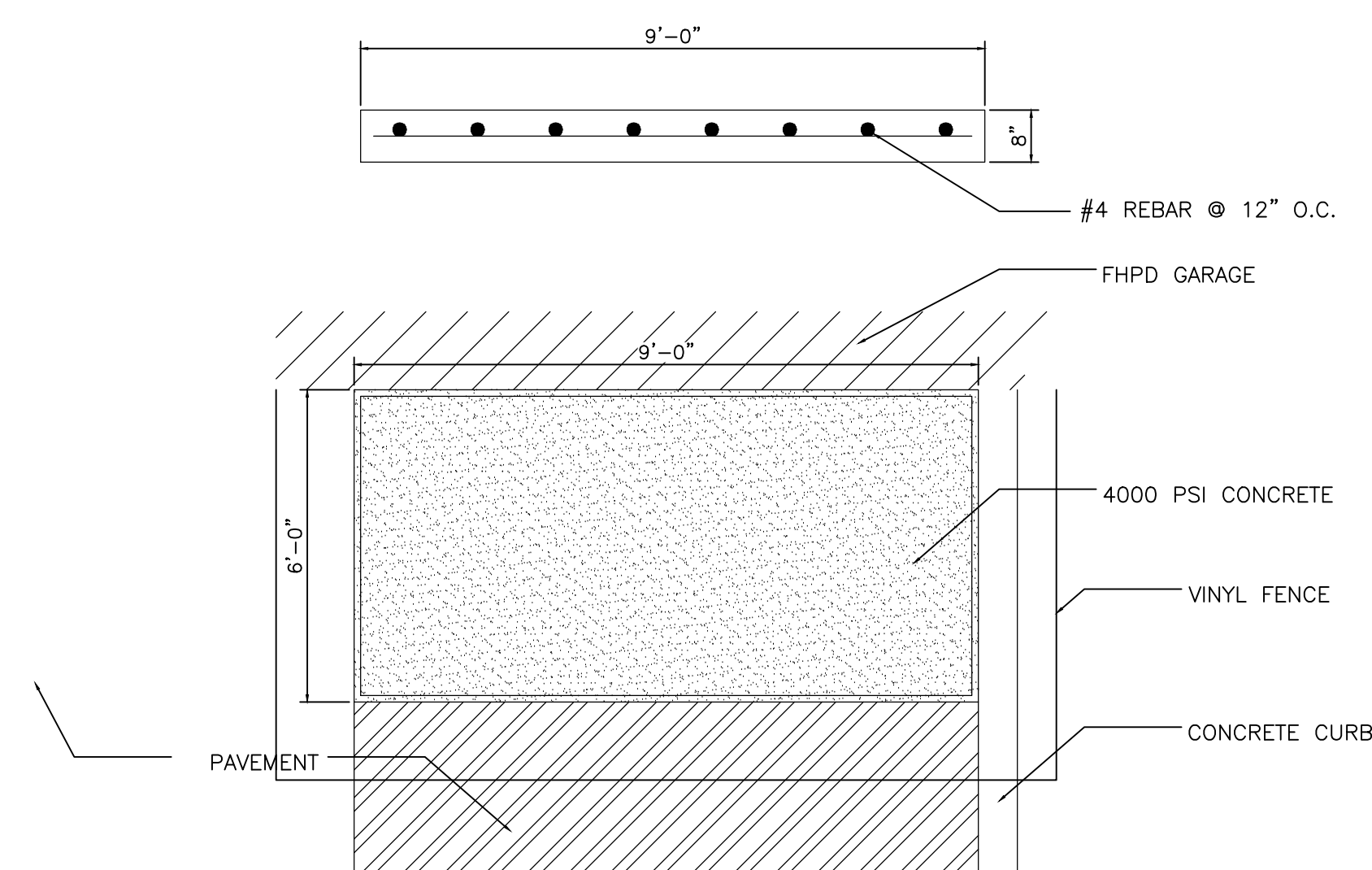
SECTION A-A



DETAIL OF CONCRETE STEPS
Scale: N.T.S.



DRAINAGE FIELD STEP
Scale: N.T.S.



TRASH PAD
Scale: N.T.S.

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 FRANK H. LEMIA ASSOCIATES, INC. MECHANICAL/ELECTRICAL ENGINEER
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RICHARD J. DELSON
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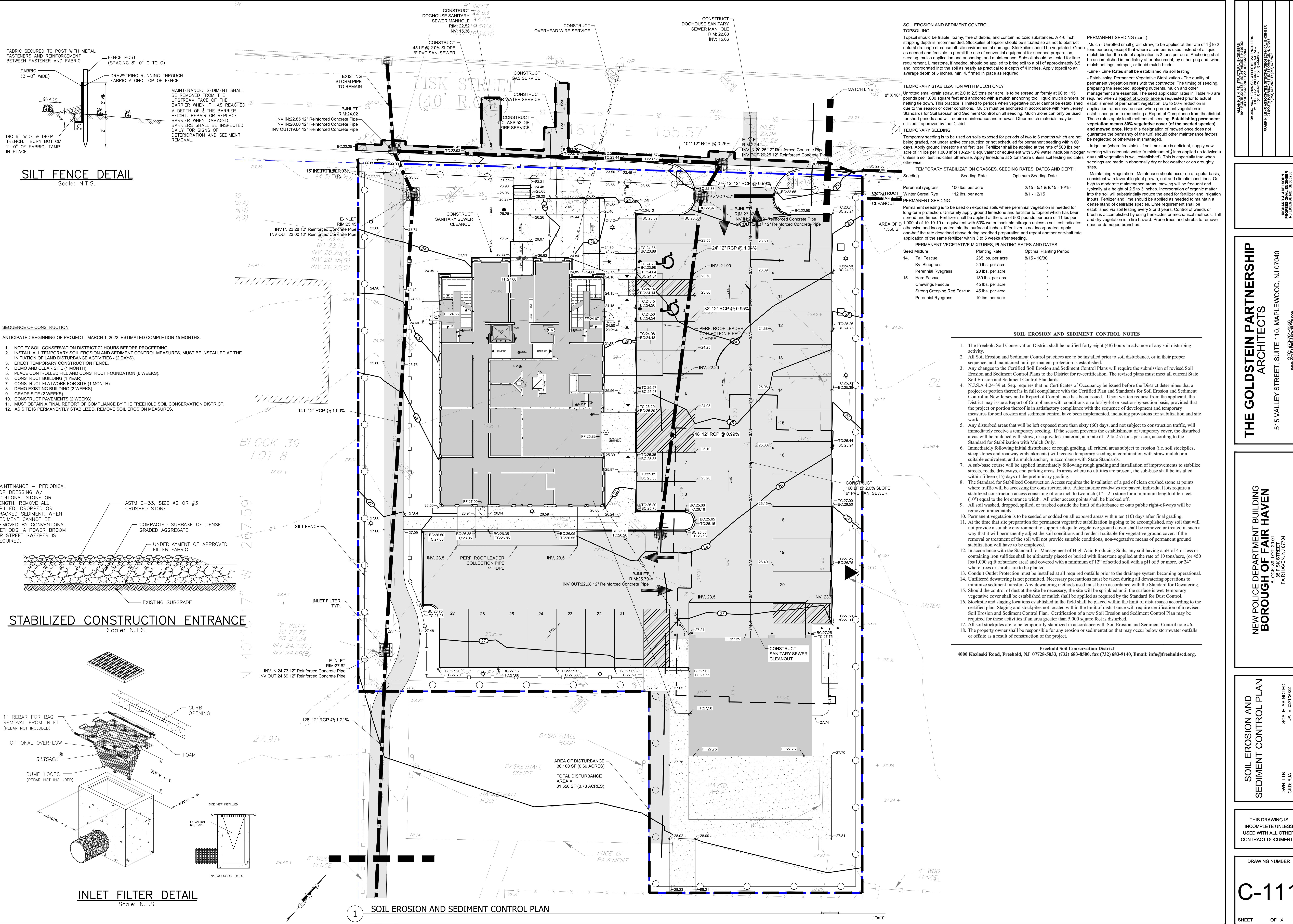
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NEW POLICE DEPARTMENT BUILDING BOROUGH OF FAIR HAVEN
 35 FRISK STREET
 FAIR HAVEN, NJ 07704

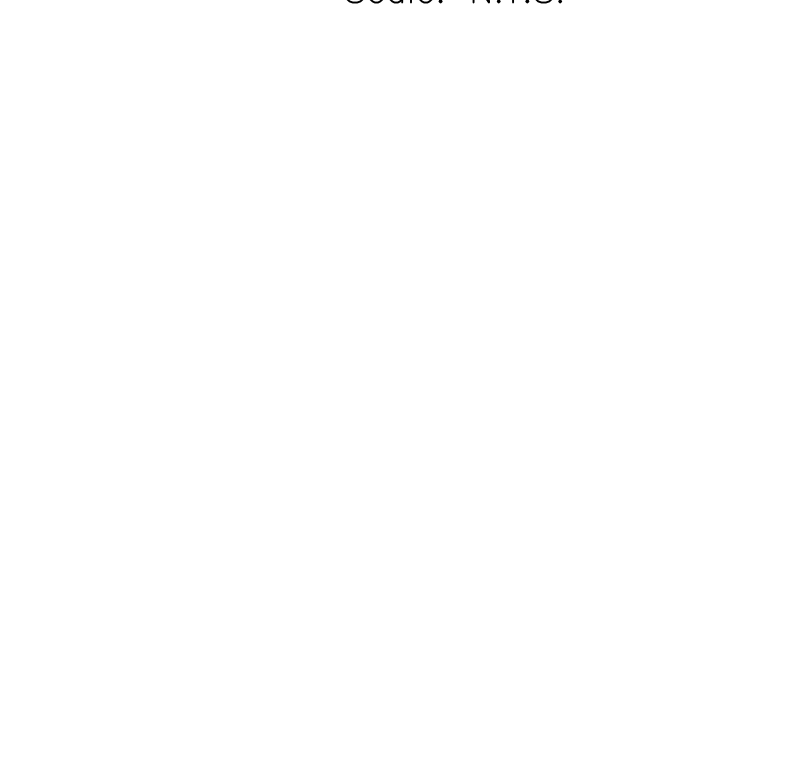
SITE DETAILS
 SCALE: AS NOTED
 DATE: 02/2022
 DWG: LTB
 CHK: EJA

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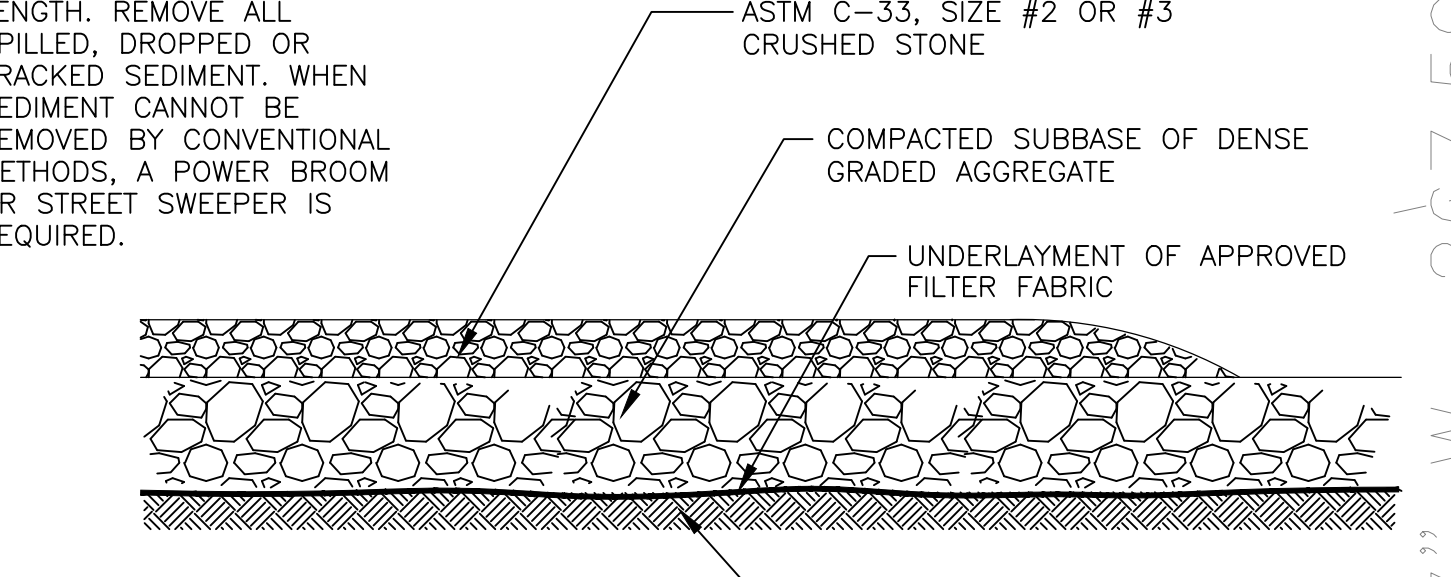
SILT FENCE DETAIL
Scale: N.T.S.



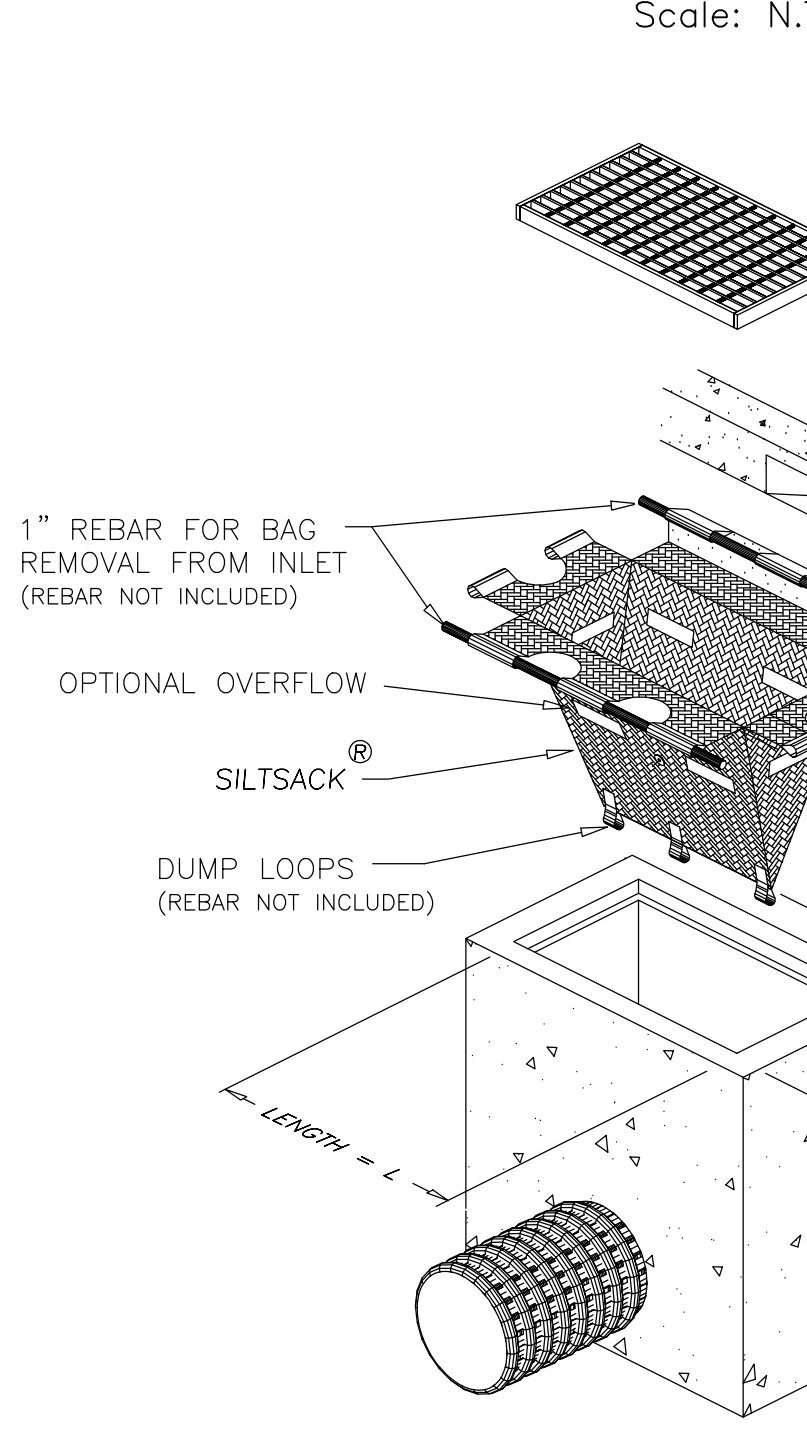
SEQUENCE OF CONSTRUCTION
ANTICIPATED BEGINNING OF PROJECT - MARCH 1, 2022. ESTIMATED COMPLETION 15 MONTHS.

1. NOTIFY SOIL CONSERVATION DISTRICT 72 HOURS BEFORE PROCEEDING.
2. INSTALL ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES. MUST BE INSTALLED AT THE INITIATION OF LAND DISTURBANCE ACTIVITIES - (2 DAYS).
3. ERECT TEMPORARY CONSTRUCTION FENCE.
4. DEMO AND CLEAR SITE (1 MONTH).
5. PLACE CONTROLLED FILL AND CONSTRUCT FOUNDATION (6 WEEKS).
6. CONSTRUCT BUILDING (1 YEAR).
7. CONSTRUCT FLATWORK FOR SITE (1 MONTH).
8. DEMO EXISTING BUILDING (2 WEEKS).
9. GRADE SITE (2 WEEKS).
10. CONSTRUCT PAVEMENTS (2 WEEKS).
11. MUST OBTAIN A FINAL REPORT OF COMPLIANCE BY THE FREEHOLD SOIL CONSERVATION DISTRICT.
12. AS SITE IS PERMANENTLY STABILIZED, REMOVE SOIL EROSION MEASURES.

STABILIZED CONSTRUCTION ENTRANCE
Scale: N.T.S.



INLET FILTER DETAIL
Scale: N.T.S.



SOIL EROSION AND SEDIMENT CONTROL TOPSOILING
Topsoil should be friable, loamy, free of debris, and contain no toxic substances. A 4-6 inch stripping depth is recommended. Stockpiles of topsoil should be situated so as not to obstruct natural drainage or cause off-site environmental damage. Stockpiles should be vegetated. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance. Subsoil should be tested for lime requirement. Limestone, if needed, should be applied to bring soil to a pH of approximately 6.5 and incorporated into the soil as nearly as practical to a depth of 4 inches. Apply topsoil to an average depth of 5 inches, min. 4, firm in place as required.

TEMPORARY STABILIZATION WITH MULCH ONLY
Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is to be spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. This practice is limited to periods when vegetative cover cannot be established due to the season or other conditions. Mulch must be anchored in accordance with New Jersey Standards for Soil Erosion and Sediment Control on all seeding. Mulch alone can only be used for short periods and will require maintenance and renewal. Other mulch materials may be utilized if approved by the District.

TEMPORARY SEEDING
Temporary seeding is to be used on soils exposed for periods of two to six months which are not being graded, not under active construction or not scheduled for permanent seeding within 60 days. Apply ground limestone and fertilizer. Fertilizer shall be applied at the rate of 500 lbs per acre of 11 lbs per 1,000 sq ft of 10-20-10 equivalent or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise. Apply limestone at 2 tons/acre unless soil testing indicates otherwise.

TEMPORARY STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTH

Seeding	Seeding Rate	Optimum Seeding Date
Perennial Ryegrass	100 lbs. per acre	2/15 - 5/1 & 8/15 - 10/15
Winter Cereal Rye	112 lbs. per acre	8/1 - 12/15

PERMANENT SEEDING
Permanent seeding is to be used on exposed soils where perennial vegetation is needed for long-term protection. Uniformly apply ground limestone and fertilizer to topsoil which has been spread and firmed. Fertilizer shall be applied at the rate of 500 pounds per acre of 11 lbs per 1,000 sq ft of 10-10-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise and incorporated into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seedbed preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.

PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND DATES

Seed Mixture	Planting Rate	Optimal Planting Period
14. Tall Fescue	265 lbs. per acre	8/15 - 10/30
Ky. Bluegrass	20 lbs. per acre	-
Perennial Ryegrass	20 lbs. per acre	-
15. Hard Fescue	130 lbs. per acre	-
Chewings Fescue	45 lbs. per acre	-
Strong Creeping Red Fescue	45 lbs. per acre	-
Perennial Ryegrass	10 lbs. per acre	-

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. The Freehold Soil Conservation District shall be notified forty-eight (48) hours in advance of any soil disturbing activity.
2. All Soil Erosion and Sediment Control practices are to be installed prior to soil disturbance, or in their proper sequence, and maintained until permanent protection is established.
3. Any changes to the Certified Soil Erosion and Sediment Control Plans will require the submission of revised Soil Erosion and Sediment Control Plans to the District for re-certification. The revised plans must meet all current State Soil Erosion and Sediment Control Standards.
4. N.J.S.A. 4:24-39 et. Seq. requires that no Certificates of Occupancy be issued before the District determines that a project or portion thereof is in full compliance with the Certified Plan and Standards for Soil Erosion and Sediment Control in New Jersey and a Report of Compliance has been issued. Upon written request from the applicant, the District may issue a Report of Compliance with conditions on a lot-by-lot or section-by-section basis, provided that the project or portion thereof is in satisfactory compliance with the sequence of development and temporary measures for soil erosion and sediment control have been implemented, including provisions for stabilization and site work.
5. Any disturbed areas that will be left exposed more than sixty (60) days, and not subject to construction traffic, will immediately require a temporary seeding. If the season prevents the establishment of temporary cover, the disturbed areas will be mulched with straw, or equivalent material, at a rate of 2 to 2 1/2 tons per acre, according to the Standard for Stabilization with Mulch Only.
6. Immediately following initial disturbance or rough grading, all critical areas subject to erosion (i.e. soil stockpiles, steep slopes and roadway embankments) will receive temporary seeding in combination with straw mulch or a suitable equivalent, and a mulch anchor, in accordance with State Standards.
7. A sub-base course will be applied immediately following rough grading and installation of improvements to stabilize streets, roads, driveways, and parking areas. In areas where no utilities are present, the sub-base shall be installed within fifteen (15) days of the preliminary grading.
8. The Standard for Stabilized Construction Access requires the installation of a pad of clean crushed stone at points where traffic will be accessing the construction site. After interior roadways are paved, individual lots require a stabilized construction access consisting of one inch to two inch (1" - 2") stone for a minimum length of ten feet (10') equal to the lot entrance width. All other access points shall be blocked off.
9. All soil washed, dropped, spilled, or tracked outside the limit of disturbance or onto public right-of-ways will be removed immediately.
10. Permanent vegetation is to be seeded or sodded on all exposed areas within ten (10) days after final grading.
11. At the time that site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover shall be removed or treated in such a way that it will permanently adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative means of permanent ground stabilization will have to be employed.
12. In accordance with the Standard for Management of High Acid Producing Soils, any soil having a pH of 4 or less or containing iron sulfides shall be ultimately placed or buried with limestone applied at the rate of 10 tons/acre, or 450 lbs/1,000 sq ft of surface area) and covered with a minimum of 12" of settled soil with a pH of 5 or more, or 24" where trees or shrubs are to be planted.
13. Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
14. Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize sediment transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.
15. Should the control of dust at the site be necessary, the site will be sprinkled until the surface is wet, temporary vegetative cover shall be established or mulch shall be applied as required by the Standard for Dust Control.
16. Stockpile and staging locations established in the field shall be placed within the limit of disturbance according to the certified plan. Staging and stockpiles not located within the limit of disturbance will require certification of a revised Soil Erosion and Sediment Control Plan. Certification of a new Soil Erosion and Sediment Control Plan may be required for these activities if an area greater than 5,000 square feet is disturbed.
17. All soil stockpiles are to be temporarily stabilized in accordance with Soil Erosion and Sediment Control note #6.
18. The property owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or offsite as a result of construction of the project.

Freehold Soil Conservation District
4000 Kozloski Road, Freehold, NJ 07728-5033, (732) 683-8500, fax (732) 683-9140, Email: info@freeholdscd.org

SOIL EROSION AND SEDIMENT CONTROL PLAN

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FREEHOLD, NJ 07728-5000
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ALAN KLEIN, P.E. ELECTRICAL ENGINEER
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RICHARD J. LABELL, P.E. PROFESSIONAL ENGINEER
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FAX: 732-791-1451
WWW: WWW.ALANKLEIN.COM

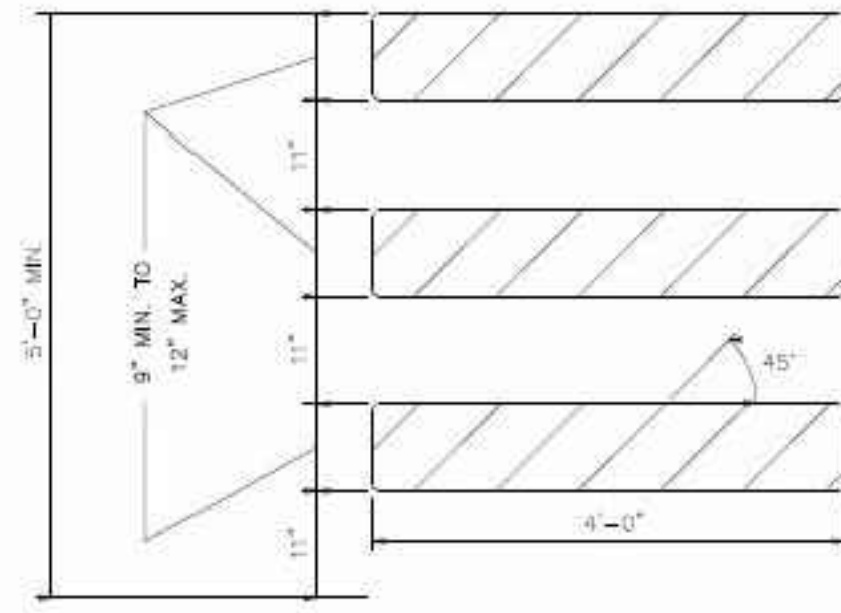
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ARCHITECTS
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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN
BLOCK 39 LOT 2001
35 FISK STREET
FAIR HAVEN, NJ 07704

SOIL EROSION AND SEDIMENT CONTROL PLAN
SCALE: AS NOTED
DATE: 02/20/22
DWN: LTB
CKC: EJA

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DRAWING NUMBER
C-111
SHEET OF X



TYPE III BARRICADE - FRONT VIEW

- NOTES:
- THE 9" MIN. X 48", OR 12" MAX. X 48" BARRICADE RAILS SHALL BE FABRICATED FROM 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED 4 PER RAIL WITH 1 INCH NO. 16 PAN HEAD METAL SCREWS OR PLASTIC NUTS. ALL CORNERS SHALL BE ROUNDED.
 - ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING ASTM D 4956. THE RAILS SHOWN FOR CONSTRUCTION SIGNS ALTERNATE ORANGE AND SILVER (WHITE) STRIPES AT AN ANGLE DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
 - IF NECESSARY, THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
 - THE FRAMING FOR BARRICADE PANELS SHALL BE NONHP-350 CRASHED TESTED AND FHWA APPROVED.

BREAKAWAY BARRICADES

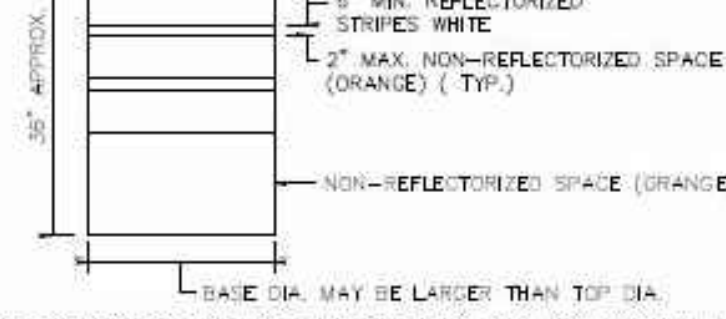


W20-1
48" X 48"
16 S.F.
SIGN "A"

DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLUORESCENT ORANGE AND WHITE RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. RETROREFLECTIVE SHEETING FOR STRIPES SHALL CONFORM WITH ASTM D 4956 TYPE VII OR VIII WITH S2 REQUIREMENTS.

THE TOP OF THE DRUM SHALL NOT BE OPEN. DRUMS SHALL BE CONSTRUCTED TO INHIBIT ROLLING IF INJECTED OVER.

THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES WHICH PROVIDE THE SAME VISIBILITY AS AN 18 INCH DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED.

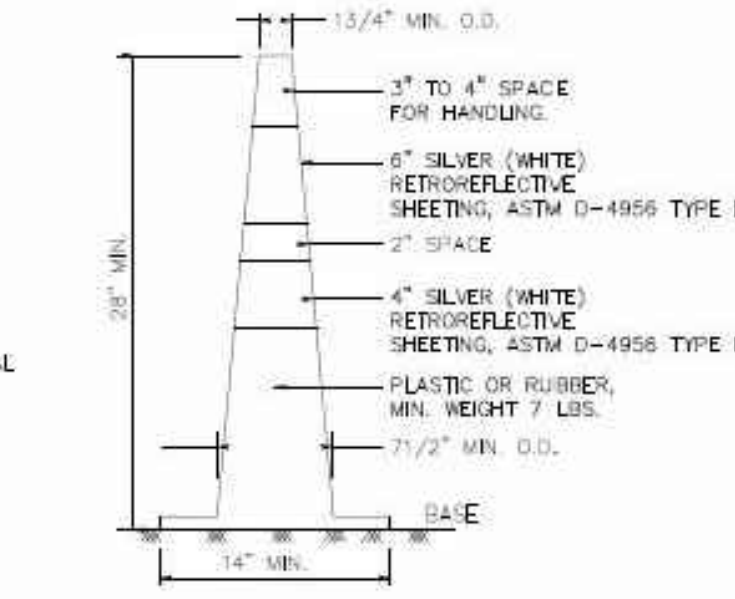


DRUMS

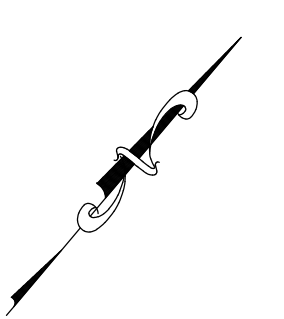
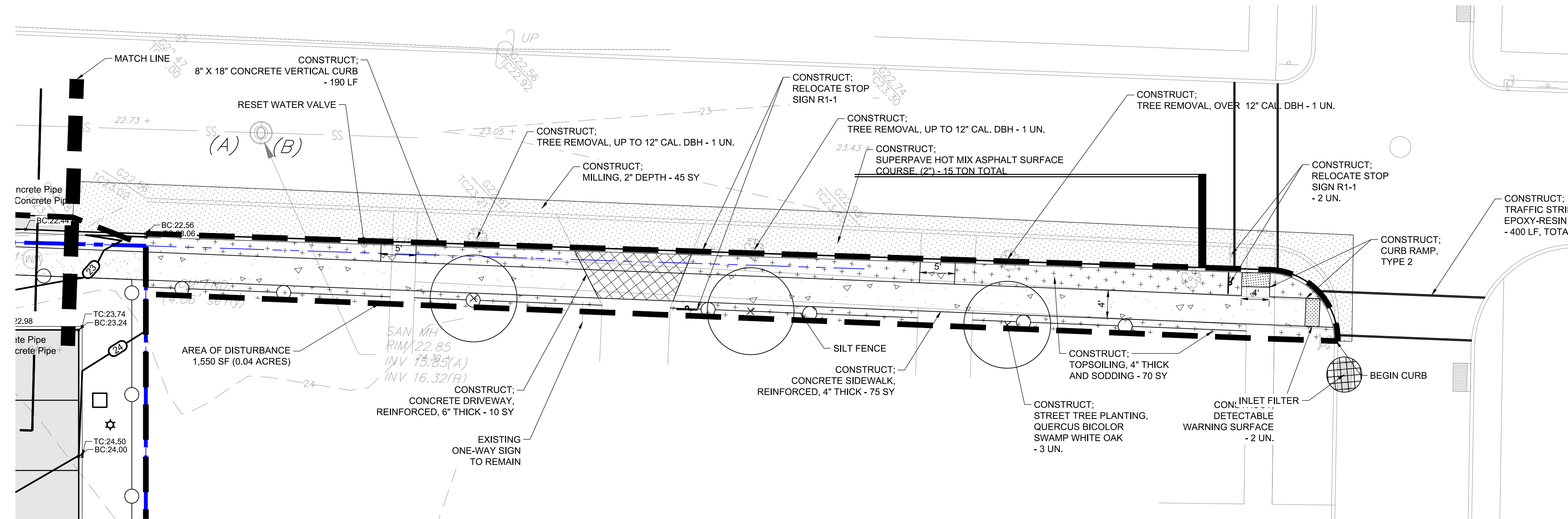
WHEN BALLAST IS REQUIRED BY THE P.E., SAND SHALL BE USED. THE MAXIMUM HEIGHT OF THE BALLAST SHALL BE 30 LBS. AND BE LOCATED APPROXIMATELY AT GROUND LEVEL. ALTERNATE TYPES OF BALLAST SHALL BE APPROVED BY THE P.E.

NOTES:

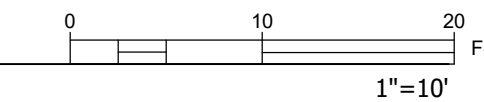
- TRAFFIC CONES SHALL BE INDETERMINATELY ORANGE IN COLOR.
- BASES MAY BE OF BREAKAWAY BALLASTED TYPE.
- MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE ENGINEER.



TRAFFIC CONES



1 FISK STREET IMPROVEMENTS - SOIL EROSION AND SEDIMENT CONTROL PLAN



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NEW POLICE DEPARTMENT BUILDING
BOROUGH OF FAIR HAVEN
35 FISK STREET
FAIR HAVEN, NJ 07704

FISK STREET IMPROVEMENTS
SOIL EROSION AND
SEDIMENT CONTROL PLAN
DWN: LTB
CHK: FAJ
SCALE: AS NOTED
DATE: 02/2022

THIS DRAWING IS
INCOMPLETE UNLESS
USED WITH ALL OTHER
CONTRACT DOCUMENTS.

DRAWING NUMBER
C-112
SHEET OF X