

NEW FAIR HAVEN POLICE DEPARTMENT BUILDING

35 FISK STREET

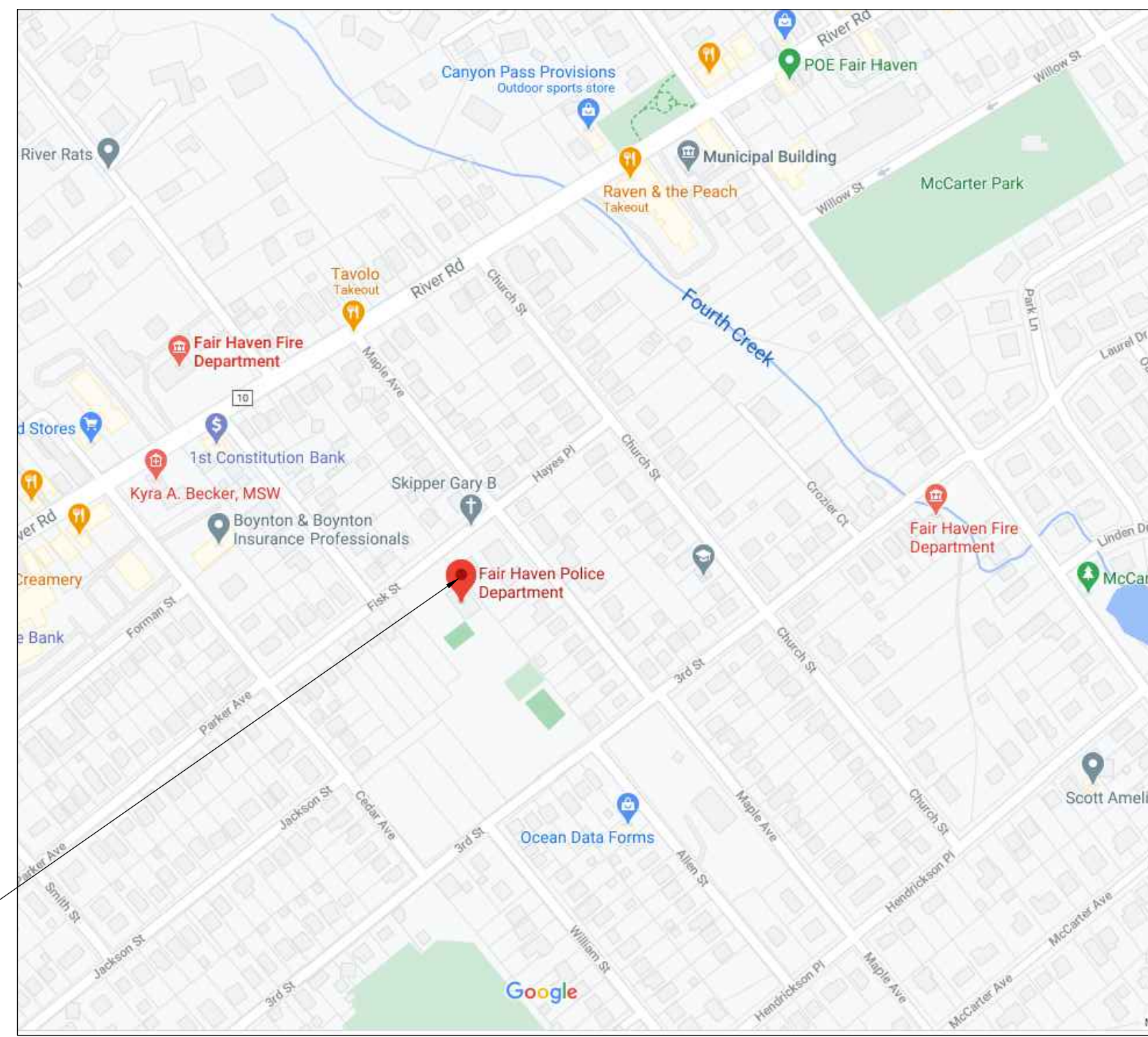
BLOCK 39 & LOT 20.01

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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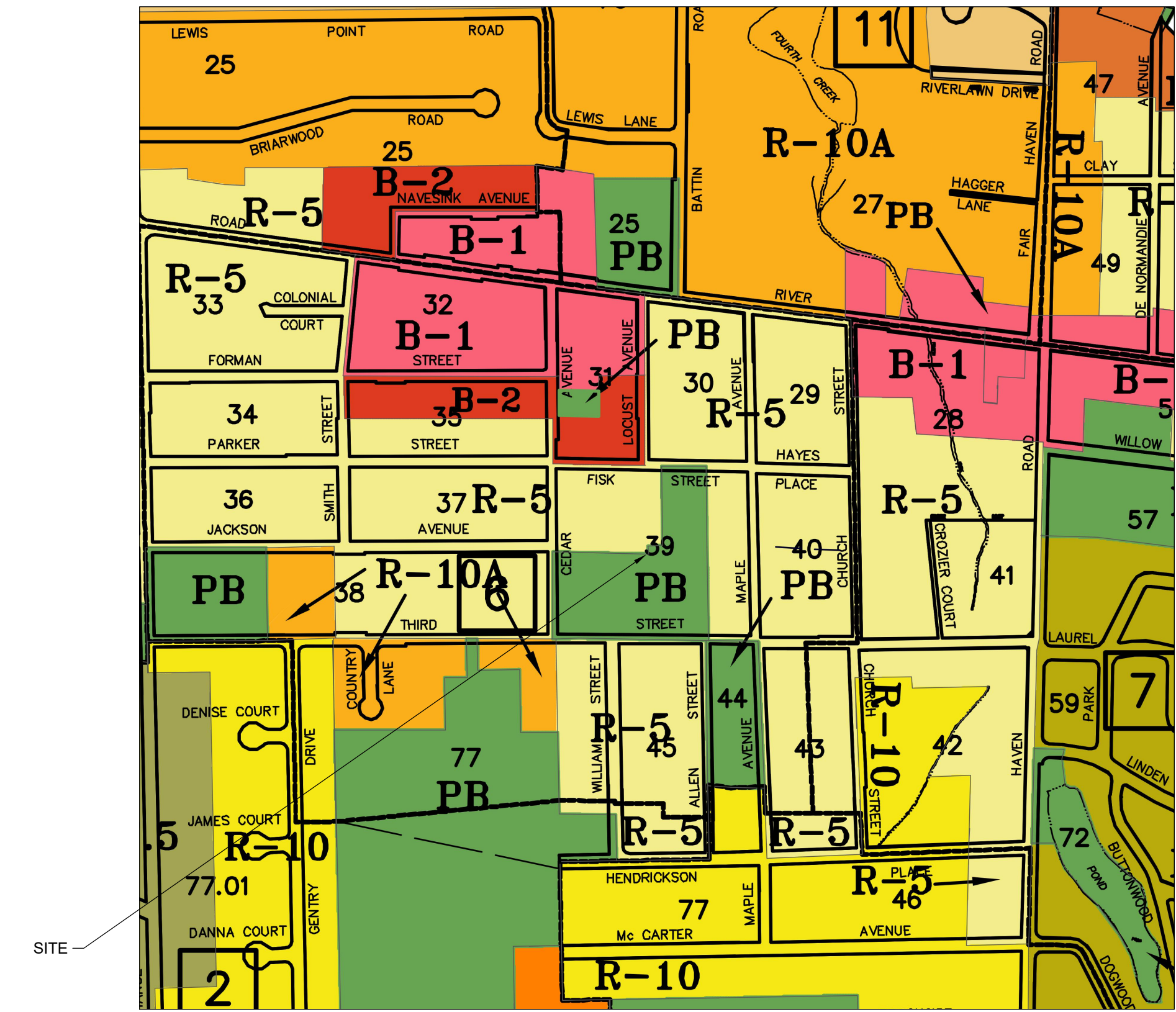
KEY PLAN

Borough of Fair Haven

Mayor
 Mayor Joshua Halpern

Borough Council
 Council President Elizabeth Koch
 Councilwoman Tracy Cole
 Councilwoman Kristen Hoey
 Councilman Andrew Labarbera
 Councilwoman Laline Neff
 Councilman Christopher Rodriguez

Administrator
 Theresa S. Casagrande



ZONING MAP

ZONING TABLE

BOROUGH OF FAIR HAVEN		Block 39; Lot 20.01	
PARCEL:		PB Public Use	
ZONE DISTRICT:		Police Department Building	
EXISTING USE:		Police Department Building + Community Center	
PROPOSED USE:		Police Department Building + Community Center	
REGULATION:	R-5 Zone	PB Zone	EXISTING PROPOSED
USE:		Municipal Facilities	Municipal Facility Municipal Facility
LOT			
Area	5000 SF	N/A	29,128 SF
Width	50 FT	N/A	0.67 AC
Depth	100 FT	N/A	0.67 AC
			155.57 FT
			161.84 FT
YARD - PD			
Front	25 FT	N/A	68.3 FT
Rear	30 FT	N/A	22.9 FT
Side	7 FT & 16 FT	N/A	58.6 FT
			6.4 FT
			8.24 FT
			16.6 FT & 73.5 FT
YARD - COMMUNITY CENTER			
Front	25 FT	N/A	68.3 FT
Rear	30 FT	N/A	164.3ft FT
Side	7 FT & 16 FT	N/A	58.6 FT
			6.4 FT
			8.24 FT
			5.8 FT & 7 FT
IMPERVIOUS COVERAGE			
Lot Coverage (Imperv. Coverage)	50%	N/A	21,923 SF
			75.3%
Building Coverage - PD	35%	N/A	4,104 SF
			14.1%
Building Coverage - Community Ctr	35%	N/A	6,682 SF
			22.9%
Building Coverage - PD and Community Center	35%	N/A	2,234 SF
			7.7%
Height - PD	30 FT	N/A	4,104 SF
			14.1%
Height - PD and Community Center	30 FT	N/A	8,916 SF
			30.6%
Max Stories - PD	2.5	N/A	25 FT
			21.25 FT
Height - Community Center	30 FT	N/A	2
			25 FT
Max Stories - Community Center	2.5	N/A	2
			1

Parking Summary

Police:	Current	Proposed
Personnel (Max Shift)	4	4
Police Vehicles	11	11
Community Center		
Seats	150	125
Required Pkg 1spc/3 seats	50 spcs	42 spcs
Estimated Required Spaces	65 spcs	57 spcs
Available Parking		
Police Lot	28 spcs	28 spcs
Additional On-Street	4 spcs	4 spcs
Church Lot	20 spcs	20 spcs
Expanded Church Lot*	6 spcs	6 spcs
Total Available Spaces	28 spcs	46 to 58 spcs
** Estimated capacity with aisles and movable chairs.		
Code occupancy 179 and 180 respectively		
* Subject to agreement with the Church		
* Subject to agreement, design and construction. Approximate		

PROJECT DESCRIPTION

Proposed construction of a new Police Department Building. Site will have 28 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.

INDEX OF SHEETS

SHEET NO	DESCRIPTION
C-101	COVER SHEET
C-102	EXISTING CONDITIONS PLAN
C-103	SITE PLAN
C-105	GRADING, DRAINAGE & UTILITIES PLAN
C-106	LANDSCAPING PLAN
C-107	LIGHTING PLAN

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 NJ LICENSE NO. 6E-00237
 P.E. LICENSE NO. 906

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FAIR HAVEN MUNICIPAL BUILDINGS
BOROUGH OF FAIR HAVEN

POLICE BUILDING
 35 FISK STREET
 FAIR HAVEN, NJ 07704

COVER SHEET

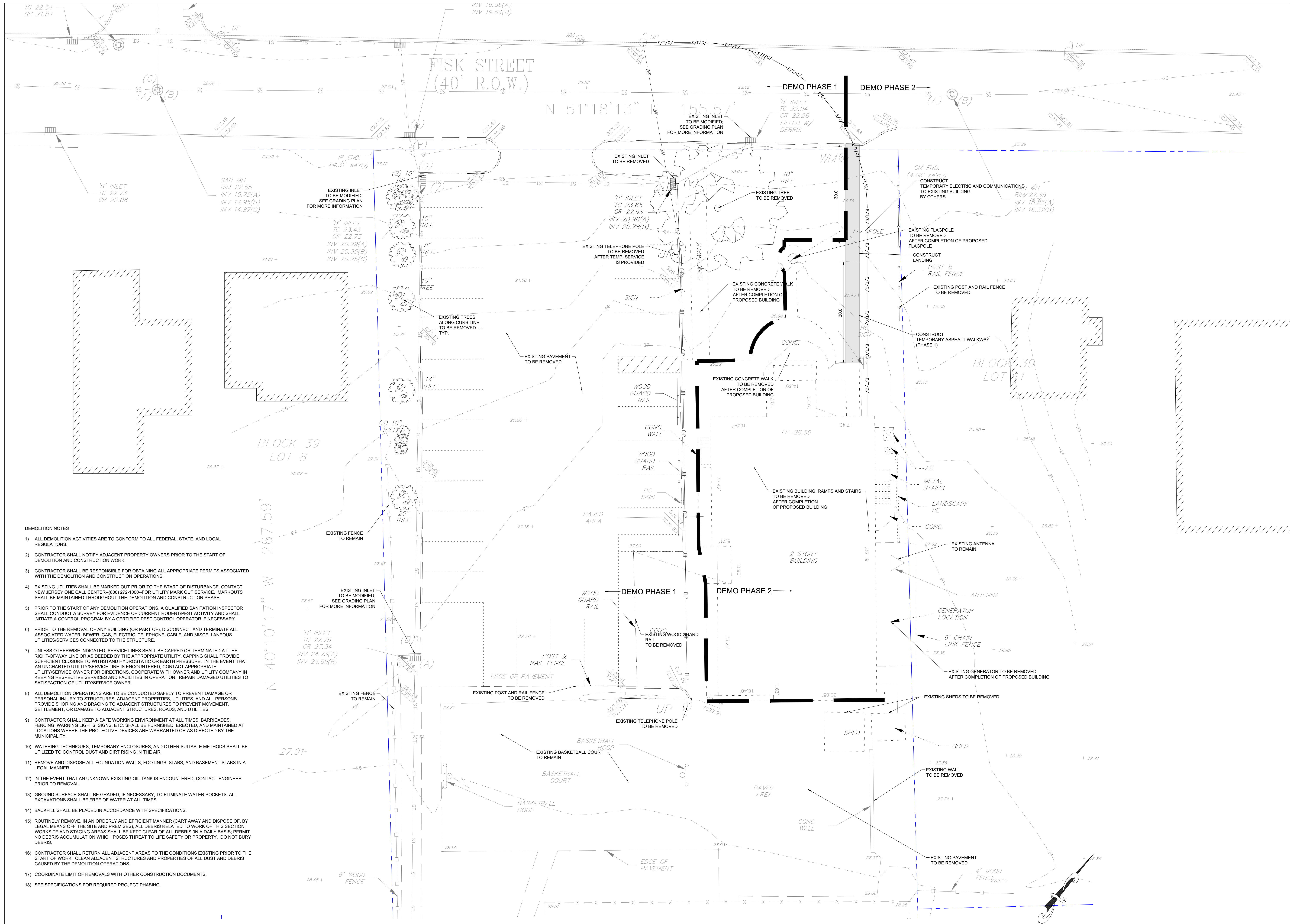
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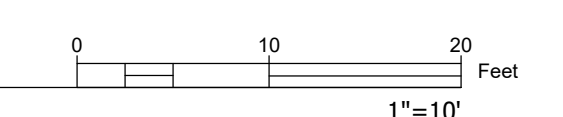
DRAWING NUMBER
C-101

SHEET OF 100



- DEMOLITION NOTES**
- 1) ALL DEMOLITION ACTIVITIES ARE TO CONFORM TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - 2) CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION WORK.
 - 3) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPROPRIATE PERMITS ASSOCIATED WITH THE DEMOLITION AND CONSTRUCTION OPERATIONS.
 - 4) EXISTING UTILITIES SHALL BE MARKED OUT PRIOR TO THE START OF DISTURBANCE. CONTACT NEW JERSEY ONE CALL CENTER-(800) 272-1000-FOR UTILITY MARK OUT SERVICE. MARKOUTS SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASE.
 - 5) PRIOR TO THE START OF ANY DEMOLITION OPERATIONS, A QUALIFIED SANITATION INSPECTOR SHALL CONDUCT A SURVEY FOR EVIDENCE OF CURRENT PEST INFESTATION ACTIVITY AND SHALL INITIATE A CONTROL PROGRAM BY A CERTIFIED PEST CONTROL OPERATOR IF NECESSARY.
 - 6) 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.
 - 7) 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.
 - 8) 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.
 - 9) 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.
 - 10) WATERING TECHNIQUES, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS SHALL BE UTILIZED TO CONTROL DUST AND DIRT RISING IN THE AIR.
 - 11) REMOVE AND DISPOSE ALL FOUNDATION WALLS, FOOTINGS, SLABS, AND BASEMENT SLABS IN A LEGAL MANNER.
 - 12) IN THE EVENT THAT AN UNKNOWN EXISTING OIL TANK IS ENCOUNTERED, CONTACT ENGINEER PRIOR TO REMOVAL.
 - 13) GROUND SURFACE SHALL BE GRADED, IF NECESSARY, TO ELIMINATE WATER POCKETS. ALL EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES.
 - 14) BACKFILL SHALL BE PLACED IN ACCORDANCE WITH SPECIFICATIONS.
 - 15) 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.
 - 16) 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.
 - 17) COORDINATE LIMIT OF REMOVALS WITH OTHER CONSTRUCTION DOCUMENTS.
 - 18) SEE SPECIFICATIONS FOR REQUIRED PROJECT PHASING.

1 EXISTING CONDITIONS PLAN



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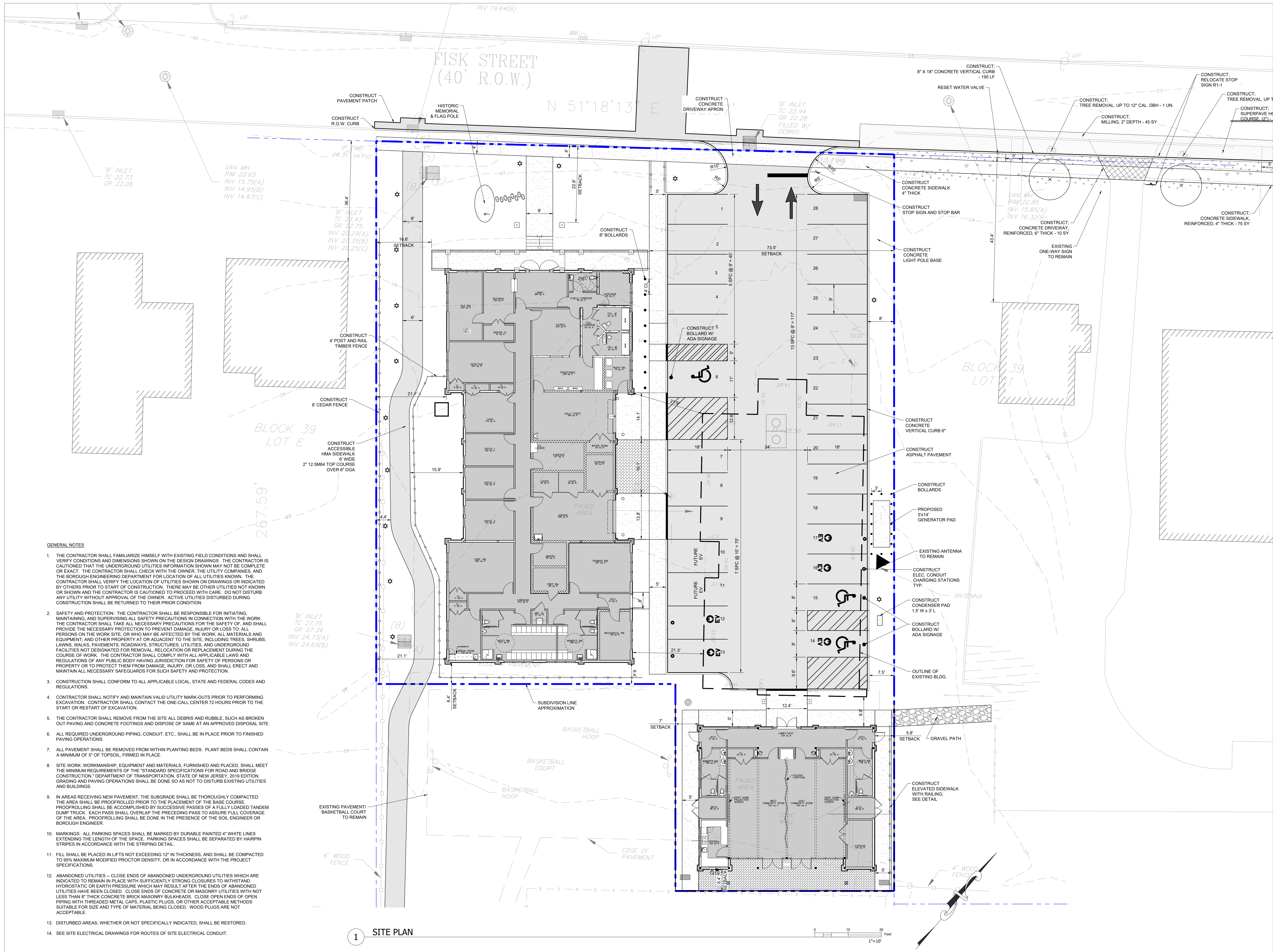
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FAIR HAVEN MUNICIPAL BUILDINGS BOROUGH OF FAIR HAVEN
POLICE BUILDING
100 W. 14TH ST.
FAIR HAVEN, NJ 07704

EXISTING CONDITIONS PLAN
SCALE: AS NOTED
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DATE: 03/24/23

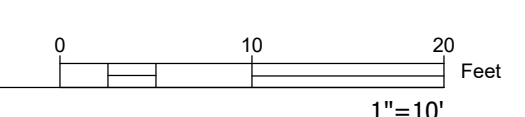
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C-102
SHEET OF 100



- 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 PLACEMENT 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



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BOROUGH OF FAIR HAVEN

POLICE BUILDING
 515 VALLEY STREET
 FAIR HAVEN, NJ 07704

SITE PLAN

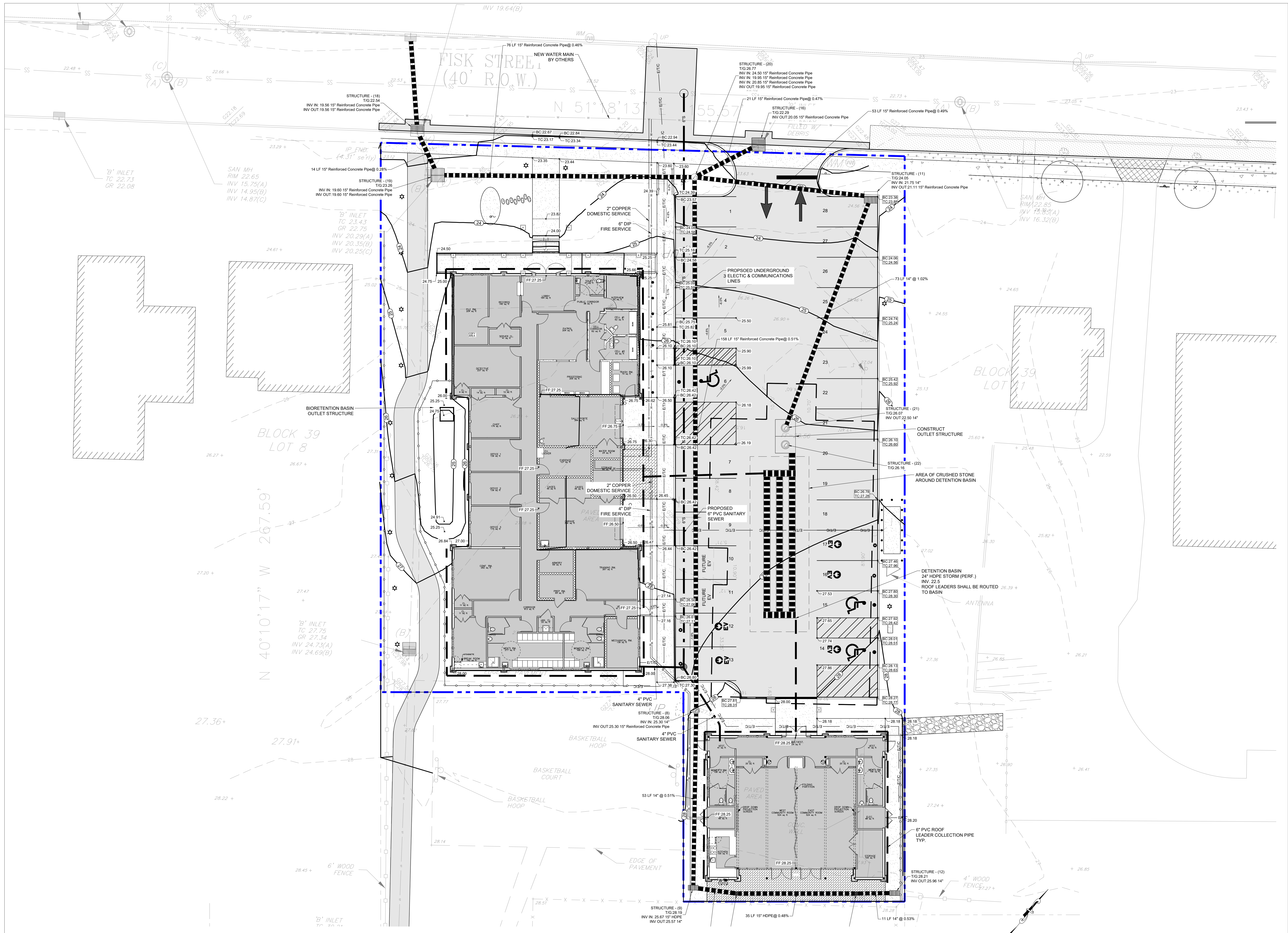
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 CKD: EJA

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1 GRADING PLAN

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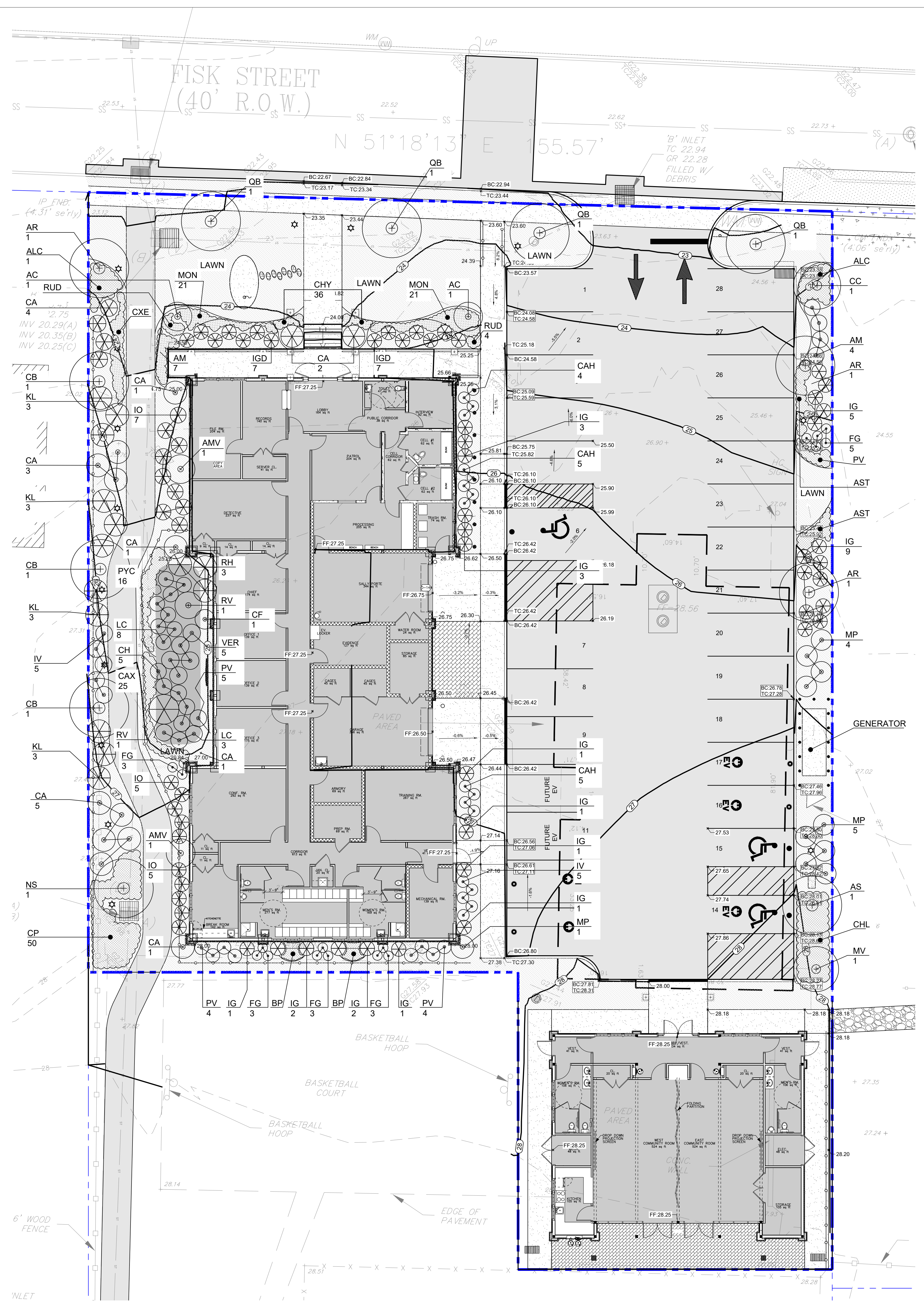
GRADING PLAN
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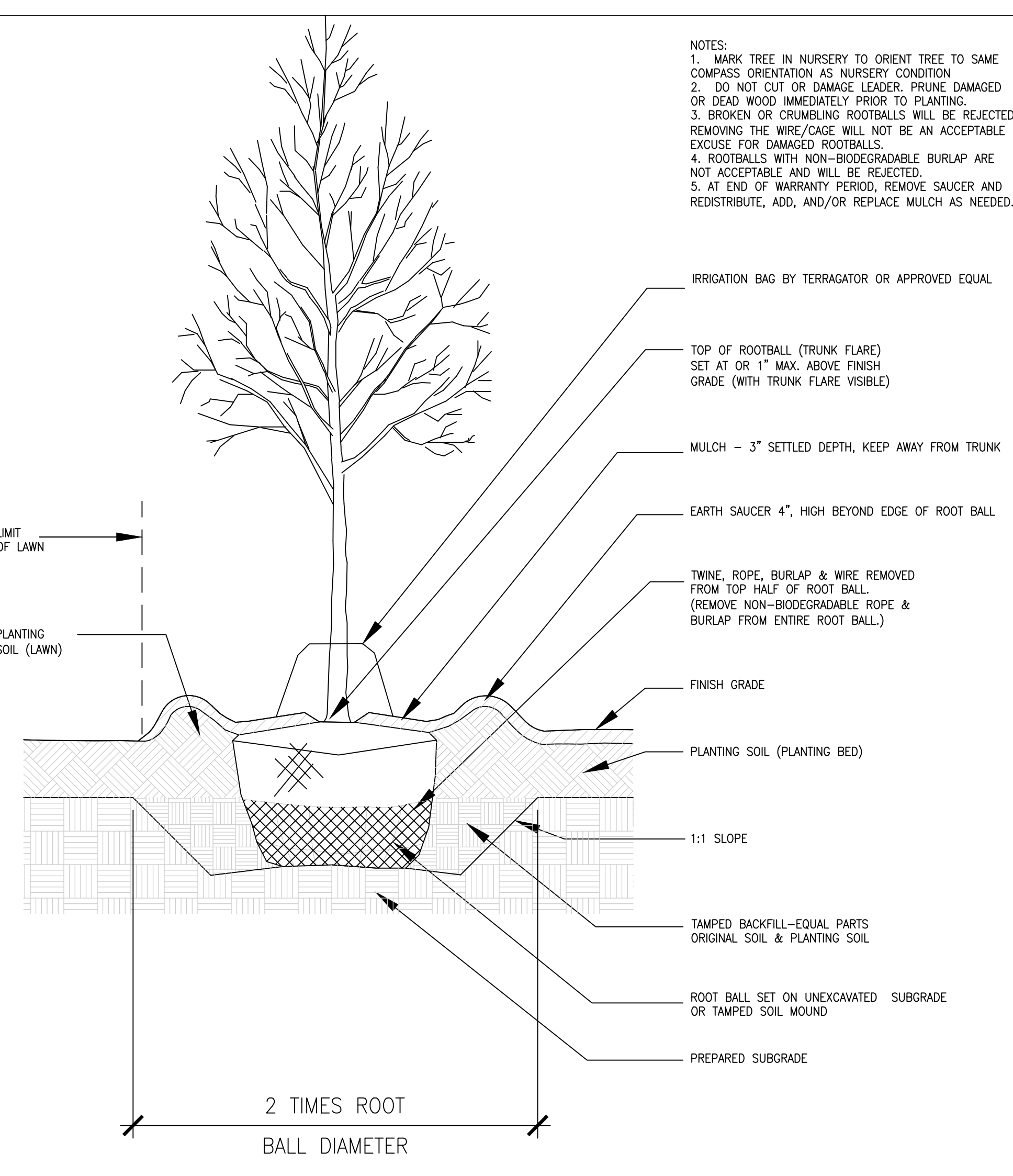
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FISK STREET
(40' R.O.W.)

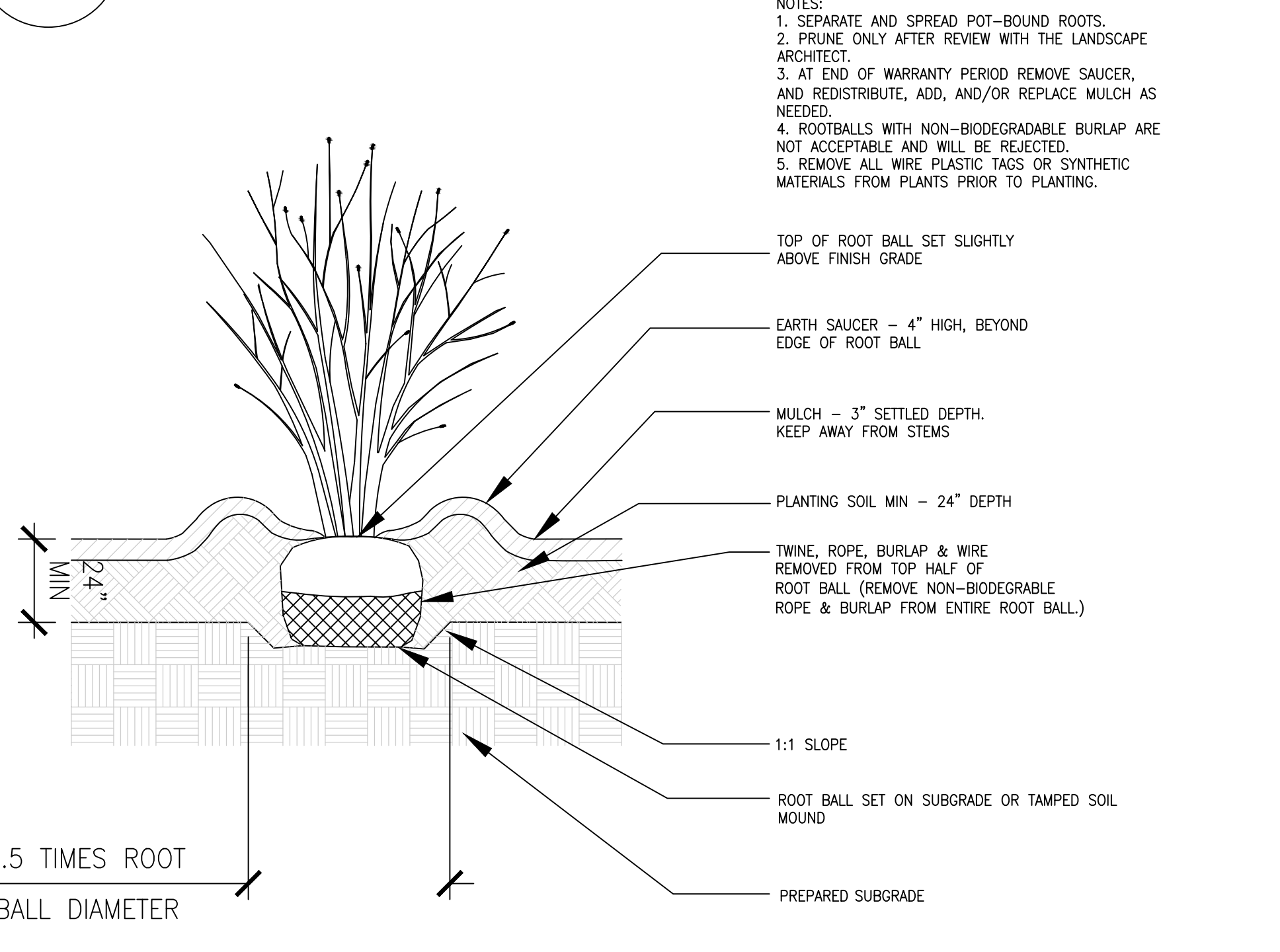
N 51°18'13" E 155.57'



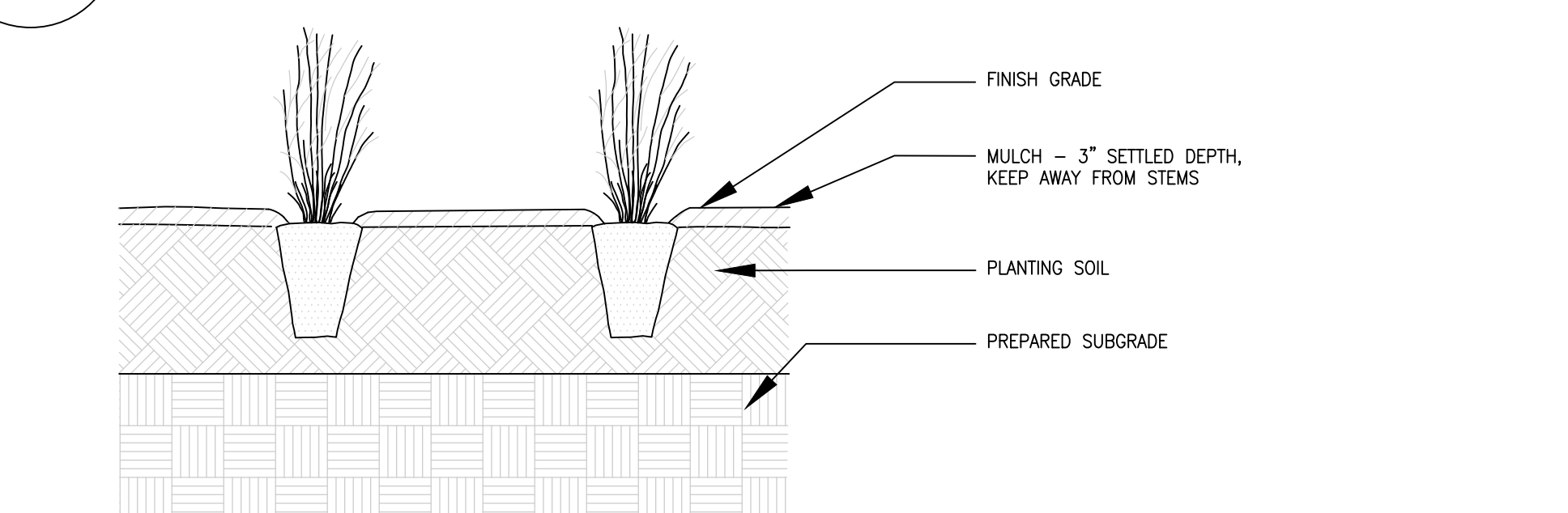
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
- LOCATIONS OF NEW PLANTS SHALL BE STAKED AND LAID OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH PLANTING INSTALLATION. PLANTING PLAN IS DIAGRAMMATIC; ADJUST PLANTS AS NECESSARY UNDER DIRECTION OF THE LANDSCAPE ARCHITECT.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR FROM TIME OF LANDSCAPE ARCHITECT'S FINAL WRITTEN APPROVAL.
- SOIL SHALL BE FREE FROM RUBBISH, DEBRIS, SOD, ROOTS, OR ARTIFICIAL MATERIAL. TOPSOIL FOR PLANTING SHALL BE AS SPECIFIED.
- CONTRACTOR IS RESPONSIBLE FOR WATERING UNTIL INSTALLATION IS COMPLETE AND APPROVED.
- 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.
- ALL PLANTS SHALL BE PACKED, TRANSPORTED, AND HANDLED WITH UTMOST CARE TO INSURE ADEQUATE PROTECTION AGAINST INJURY.
- PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."
- 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.
- 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 PITS. ALL TREES AND SHRUBS SHALL BE GIVEN ONE APPLICATION OF ANTIDESICCANT, AS PER MANUFACTURER'S DIRECTION, COVERING ALL LEAVES, BRANCHES, AND TRUNKS.
- 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.
- 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.
- PROTECT ALL EXISTING VEGETATION TO REMAIN FROM DAMAGE DURING CONSTRUCTION.



3 B&B TREE PLANTING DETAIL
NTS



2 SHRUB PLANTING DETAIL
NTS



6 HERBACEOUS PLANTING DETAIL
L-101 NTS

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE/REMARKS
TREES				
AC		Amelanchier x grandiflora 'Autumn Brilliance'	Apple serviceberry	2.5" - 3" cal / B&B
AR		Acer Rubrum 'October Glory'	Red Maple	3" cal / B&B
AS		Acer saccharinum	Silver Maple	3" cal / B&B
CB		Carpinus betulus 'Fastigiata'	Common hornbeam Fastigiata	2.5" - 3" cal / B&B
CC		Cercis canadensis	Eastern redbud	2.5" - 3" cal / B&B / multi-stem
MV		Magnolia virginiana	Sweet bay magnolia	7'-8" ht / B&B / multi-stem
NS		Nyssa sylvatica	Black gum	3" cal / B&B
QB		Quercus bicolor	Swamp white oak	3" cal / B&B
SHRUBS/GRASSES				
AMV		Aronia melanocarpa 'Viking'	Black Chokeberry	4" - 5" ht B&B
CA		Clethra alnifolia 'Ruby Spice'	Summersweet	4" - 5" ht B&B
CAH		Clethra alnifolia 'Hummingbird'	Sweet pepperbush	4" - 5" ht B&B
CF		Calycanthus floridus	Carolina allspice	4" - 5" ht B&B
DG		Deutzia gracilis 'Nikko'	Slender deutzia	18" - 24" ht
FG		Fothergilla gardenii	Dwarf fothergilla	24" - 30" ht
IG		Ilex Glabra 'Densa'	Inkberry	24" - 30" ht
IGD		Ilex Glabra 'Strongbox'	Strongbox Inkberry Holly	24" ht
IO		Ilex opaca 'Maryland Dwarf'	Holly - American	3 GAL
JV		Itea virginica 'Henry Garnet'	Sweetspire	30" - 36" ht
JV		Juniperus virginiana 'Emerald Sentinel'	Emerald Sentinel Redcedar	4" - 5" ht
KL		Kalmia latifolia 'Olympic Fire'	Mountain Laurel	36" - 42" ht
MP		Myrica pensylvanica	Bayberry	4" - 5" ht
RH		Rhododendron 'WJM'	Rhododendron	4" - 5" ht
RV		Rhododendron viscosum 'Betty Cummins'	Azalea - Swamp	18" - 24" ht
PERENNIAL / GROUNDCOVER / GRASSES				
ALC		Allium cernuum	Nodding Onion	1 GAL
AM		Amorpha hutchinsii	Blue Star	1 GAL
AST		Aster 'Wood's Purple'	Aster	1 GAL
BP		Baptisia Decadence Deluxe 'Blue Bubbly'	False Indigo	1 GAL
CAX		Carex Cherokeensis	Cherokee Sedge	1 GAL
CH		Chelone glabra	White turtlehead	1 GAL
CHL		Chamaenerion latifolium	Northern sea oats	1 GAL
CHY		Chrysogonum virginianum	Golden star	1 GAL
CP		Carex pensylvanica	Sedge	1 GAL
CXE		Carex morrowii 'Everglow'	Everglow Sedge	1 GAL
LC		Lobelia cardinalis	Cardinal Flower	1 GAL
MON		Moronea 'Peach Delight'	Wild bergamot	1 GAL
PV		Panicum virgatum 'Shenandoah'	Switch grass	1 GAL
PVC		Pycnanthemum flexuosum	Appalachian mountain mint	1 GAL
RUD		Rudbeckia fulgida	Orange coneflower	1 GAL
VER		Verbena hastata	Swamp Verbena	1 GAL

NOTES:
1. MARK TREE IN NURSERY TO ORIENT TREE TO SAME COMPASS ORIENTATION AS NURSERY CONDITION.
2. DO NOT CUT OR DAMAGE LEADER. PRUNE DAMAGED OR DEAD WOOD IMMEDIATELY PRIOR TO PLANTING.
3. BROKEN OR CRUMBLING ROOTBALLS WILL BE REJECTED. REMOVING THE WIRE/CAGE WILL NOT BE AN ACCEPTABLE EXCUSE FOR DAMAGED ROOTBALLS.
4. ROOTBALLS WITH NON-BIODEGRADABLE BURLAP ARE NOT ACCEPTABLE AND WILL BE REJECTED.
5. AT END OF WARRANTY PERIOD, REMOVE SAUCER AND REDISTRIBUTE, ADD, AND/OR REPLACE MULCH AS NEEDED.

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LANDSCAPE PLAN
SCALE: AS NOTED
DATE: 03/24/23
DVAL/LB
CXC/ELA

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

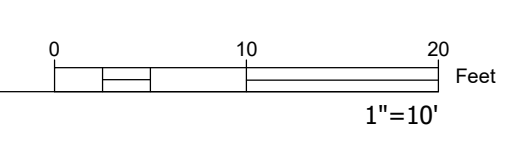
DRAWING NUMBER
C-106
SHEET OF 100

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

N 51°18'13" E 155.57'

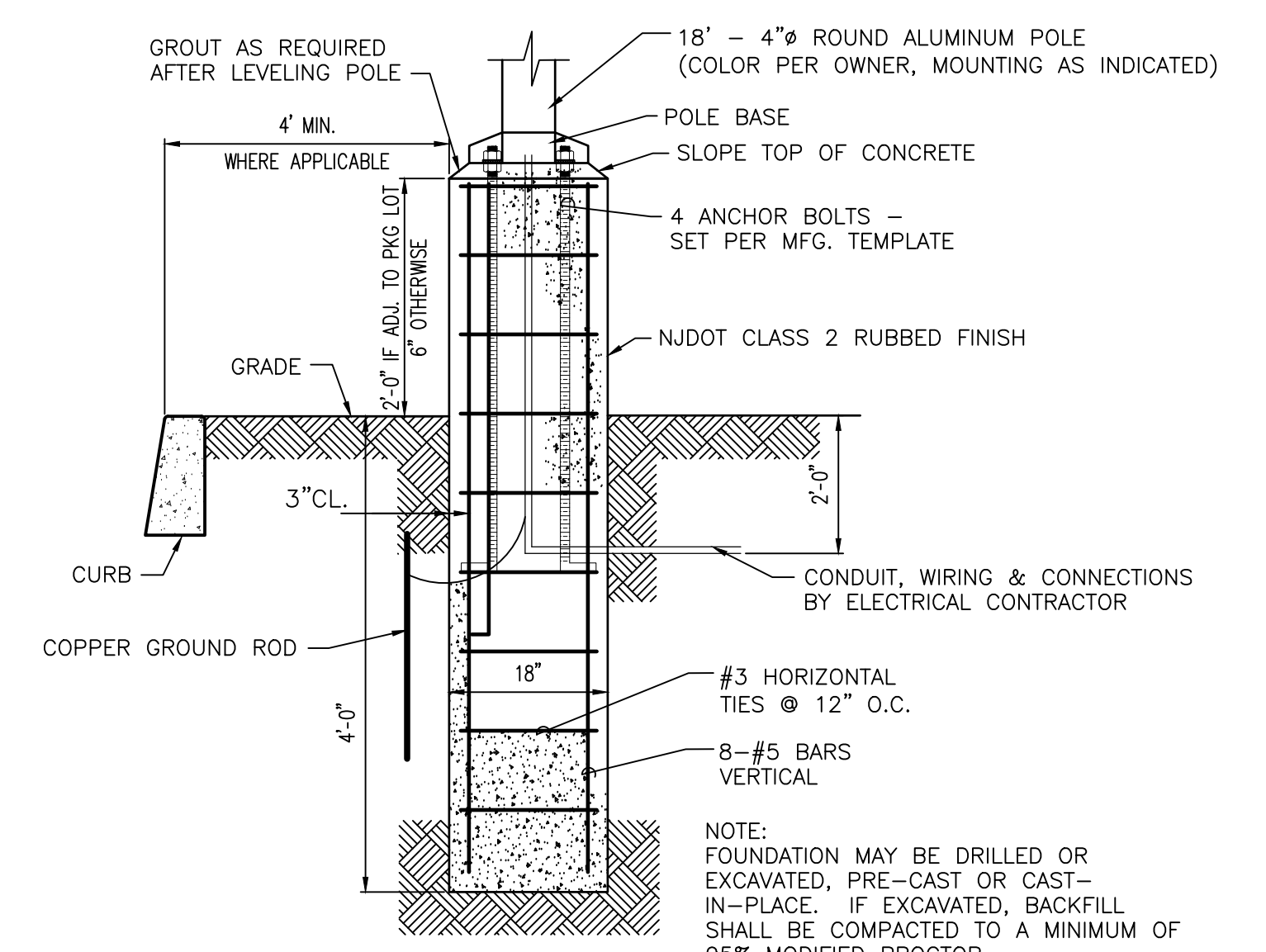


1 LIGHTING PLAN



Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Loss Factor	Wattage
⊙	A	2	SIGNIFY GARDCO	ECF-S-32L-1A-NW-G2-4	EcoForm Area LED ECF - Small, 32 LED's, 4000K CCT, TYPE 4 OPTIC, No Shield	14005	1	105.6
⊙	C	4	SIGNIFY LIGHTOLIER	C6RN-C6L10835WZ10U+C6RLWCL	CALCULITE 6" ROUND LED LENSED WALLWASHER CLEAR FINISH	643	1	9
⊙	D	3	KIM LIGHTING	LTV83FF-NF-12L3K	LIGHTVAULT	984	1	13.6
⊙	E	6	ARCHITECTURAL AREA LIGHTING	CY1-25-4K7-1-4-R	CY1	2323	1	28.45
⊙	F	13	ARCHITECTURAL AREA LIGHTING	CY1-15-4K7-1-2-R	CY1	1730	1	17.26
⊙	G	9	SIGNIFY GARDCO	PBL-14L-100-NW-G2-3-UNV	Pureform Gen2 - PBL Bollard	492	1	6.1
⊙	H	3	SIGNIFY GARDCO	PBL-14L-100-NW-G2-5-UNV	Pureform Gen2 - PBL Bollard	538	1	6.1

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Community Center	+	2.5 fc	6.0 fc	0.0 fc	N/A	N/A
Front Yard	+	1.3 fc	4.5 fc	0.1 fc	45.0:1	13.0:1
Parking Lot	+	2.9 fc	8.4 fc	0.7 fc	12.0:1	4.1:1
West Bike Path	+	3.5 fc	7.4 fc	0.1 fc	74.0:1	35.0:1
Basketball Court	+	1.3 fc	6.9 fc	0.0 fc	N/A	N/A



LIGHT POLE FOUNDATION
Scale: N.T.S.



GARDCO ECOFORM
FITTURE A



SIGNIFY CALCULITE
FITTURE C



KIM LIGHTING LIGHTVAULT
FITTURE D



AAL CYPHER
FITTURE E, F



GARDCO PUREFORM PBL BOLLARD
FITTURE G, H

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3/23/2023
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REGISTERED PROFESSIONAL ENGINEER
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LIGHTING PLAN
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CKD: EJA

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DRAWING NUMBER
C-107
SHEET OF 100