

NEW TWO FAMILY DWELLING

156 MAIN STREET BLOCK 89 - LOT 21 TOWNSHIP OF WEST ORANGE ESSEX COUNTY, NEW JERSEY

200FT ADJOINING OWNERS LIST

BLOCK	LOT	LOCATION	OWNERS NAME ADDRESS
65	16	143 MAIN STREET	EDWIN COVAL 143 MAIN STREET WEST ORANGE, NJ 07052
65	17	145 MAIN STREET	DAVID CHANG LIN 145 MAIN STREET WEST ORANGE, NJ 07052
66	1	175 MAIN STREET	DGP URBAN RENEWAL, LLC 2 POST ROAD WEST WESTPORT, CT 06880
89	10	170 MAIN STREET	JOSE A. FLORES 170 MAIN STREET WEST ORANGE, NJ 07052
89	12	168 MAIN STREET	HENRY & JENNIFER HUDSON 168 MAIN STREET WEST ORANGE, NJ 07052
89	14	166 MAIN STREET	MIRIAM SOLARI & CARLOS ZUNIGA 166 MAIN STREET WEST ORANGE, NJ 07052
89	16	164 MAIN STREET	ALFONSO & WILMA VILLAMARIN 164 MAIN STREET WEST ORANGE, NJ 07052
89	18	162 MAIN STREET	PETTER SALAS 162 MAIN STREET WEST ORANGE, NJ 07052
89	19	160 MAIN STREET	MARCO DOMINGUEZ 160 MAIN STREET WEST ORANGE, NJ 07052
89	20	158 MAIN STREET	ESSEX HOUSING PRESERVATION LP 77 PARK STREET MONTCLAIR, NJ 07042
89	21	156 MAIN STREET	JOSE FLORES 91 MITCHELL STREET WEST ORANGE, NJ 07052
89	22	154 MAIN STREET	ANDREW & VIOLET I HORRY 154 MAIN STREET WEST ORANGE, NJ 07052
89	23	152 MAIN STREET	ESSEX HOUSING PRESERVATION LP 77 PARK STREET MONTCLAIR, NJ 07042
89	24	150 MAIN STREET	JACQUELINE G O'HARA 59 PEASE AVENUE VERONA, NJ 07044
89	25	148 MAIN STREET	JACQUELINE G O'HARA 59 PEASE AVENUE VERONA, NJ 07044
89	26	144-146 MAIN STREET	E & M O'HARA INC. 144 MAIN STREET WEST ORANGE NJ 07052

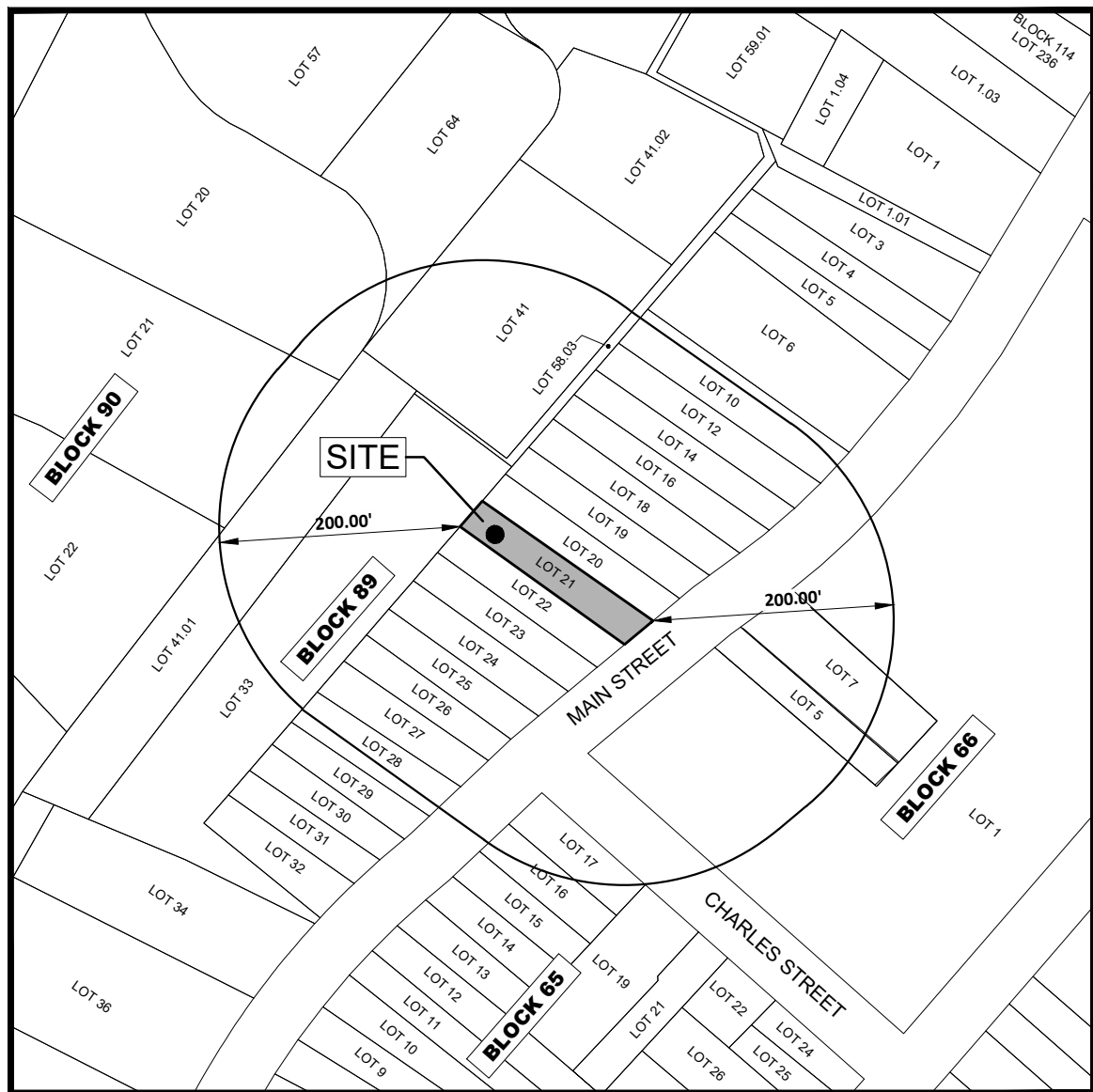
BLOCK	LOT	LOCATION	OWNERS NAME ADDRESS
89	28	142 MAIN STREET	AUGUSTO PACHECO 142 MAIN STREET WEST ORANGE, NJ 07052
89	33	130-132 MAIN STREET	MICHAEL O'REILLY 24 ELMWOOD ROAD VERONA, NJ 07044
89	41	14 EDGEHILL ROAD	DONNA UHER 14 EDGEHILL ROAD WEST ORANGE, NJ 07052
89	41.01	EDGEHILL ROAD	TRUSTEES OF LLEWELLYN PARK 1 PARK WAY WEST ORANGE, NJ 07052
89	58.03	EDGEHILL ROAD REAR	TRUSTEES OF LLEWELLYN PARK 1 PARK WAY WEST ORANGE, NJ 07052
89	64	12 EDGEHILL ROAD	STANLEY SHAPIRO & ANN HIRSCH 12 EDGEHILL ROAD WEST ORANGE, NJ 07052
90	20	7 EDGEHILL ROAD	STANLEY & SHARON MARCUS 7 EDGEHILL ROAD WEST ORANGE, NJ 07052
90	21	11 EDGEHILL ROAD	JAMES B COWPERTHWAIT & LARISA DAIGA 11 EDGEHILL ROAD WEST ORANGE, NJ 07052
90	22	15 EDGEHILL ROAD	PHYNUJAR SAUNDERS 15 EDGEHILL ROAD WEST ORANGE NJ 07052

GENERAL NOTES

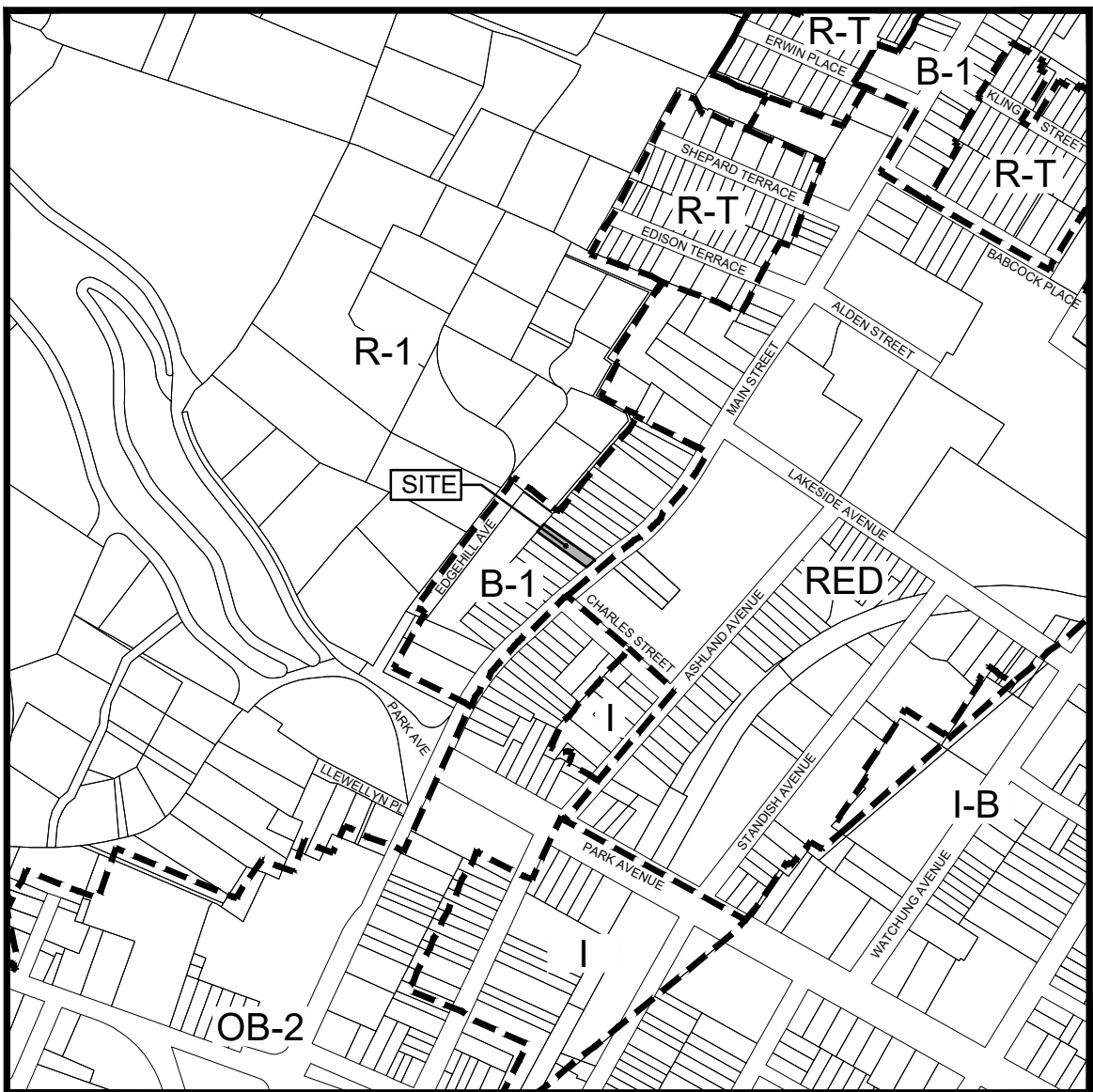
- THIS PROPERTY IS KNOWN AS BLOCK 89, LOT 21 AS SHOWN IN THE TOWNSHIP OF WEST ORANGE TAX MAP.
- TOPOGRAPHIC INFORMATION SHOWN HEREIN HAVE BEEN DRAWN IN ACCORDANCE WITH FIELD SURVEY PERFORMED BY SCHMIDT SURVEYING, DATED NOVEMBER 18, 2021.
- THE PROPERTY IS LOCATED IN THE TOWNSHIP'S ZONING DISTRICT B-1.
- AREA OF PARCEL 4,779 SF± OR 0.109 AC.
- THIS PARCEL MAY BE SUBJECT TO UNDERGROUND UTILITIES AND/OR EASEMENTS WHICH ARE NOT SHOWN.
- THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY SERVICES SHOWN ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH THE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- NO DETERMINATION WAS MADE AS TO THE PRESENCE AND/OR NONEXISTENCE OF TOXIC WASTES OR WETLANDS. ALSO NO DETERMINATION OF DEPTH TO GROUND WATER WAS MADE. THE CLIENT SHOULD PURSUE THESE MATTERS AS ITEMS SEPARATE AND APART FROM THIS PLAN.
- CALL THE 1-800-272-1000 TO HAVE ALL UTILITY SERVICES MARKED PRIOR TO ANY EXCAVATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, AND LOCAL MUNICIPAL ORDINANCES AND AS PER THE TOWNSHIP STANDARDS OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- TAKE EVERY PRECAUTION NECESSARY TO PRECLUDE DAMAGE TO EXISTING STRUCTURES, FACILITIES AND UTILITIES DUE TO LOSS OF LATERAL SUPPORT AND/OR CONSTRUCTION LOADINGS.
- DO NOT SCALE DRAWINGS FOR LOCATION OF ADJACENT STRUCTURES AND SURROUNDING PHYSICAL CONDITIONS. THESE ITEMS MAY BE SCHEMATIC ONLY EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.

SITE DATA INFORMATION ZONE B-1 (TWO FAMILY RESIDENCE)

	UNITS	LOT COVERAGE (%)
DWELLING	1,518 SF	32%
DRIVEWAY	601 SF	12.6%
STAIRS & LANDING PAD	56 SF	1%
LANDSCAPE AREAS	2604 SF	54.4%



200' RADIUS MAP
SCALE 1" = 150'



ZONING MAP
SCALE 1" = 500'



AERIAL MAP
SCALE 1" = 200'

SHEET INDEX

1	COVER SHEET
2	EXISTING AND PROPOSED CONDITIONS, GRADING, NOTES & ZONING CHART
3	SOIL EROSION AND SEDIMENT CONTROL PLAN
4	SITE DETAILS

UTILITIES AUTHORITIES

NEW JERSEY AMERICAN WATER
1 WATER STREET
CAMDEN, NJ 08102
PHONE: 1-800-652-6987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
MANAGER - CORPORATE PROPERTIES
80 PARK PLAZA, T6B
NEWARK, NJ 07102
PHONE: 1-800-436-7734

VERIZON (CORPORATE)
ONE VERIZON WAY
BASKING RIDGE, NJ 07920

PROPERTY OWNER

JOSE FLORES
91 MITCHELL STREET
WEST ORANGE, NJ 07052

APPLICANT

JOSE FLORES
91 MITCHELL STREET
WEST ORANGE, NJ 07052

APPROVAL

APPROVED BY THE ZONING BOARD OF ADJUSTMENT OF THE TOWNSHIP OF WEST ORANGE.

BOARD CHAIRPERSON

BOARD SECRETARY

BOARD ENGINEER

COVER SHEET

NEW TWO FAMILY DWELLING

156 MAIN STREET
BLOCK 89, LOT 21
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY 07052

SANDRA CACERES, P.E.

N.J. PROFESSIONAL ENGINEER, LICENSE No. 24GE04562600
830 NORTH AVENUE WEST
WESTFIELD, NEW JERSEY 07090
PHONE No. 908 296-3956

DATE: JULY 29, 2022

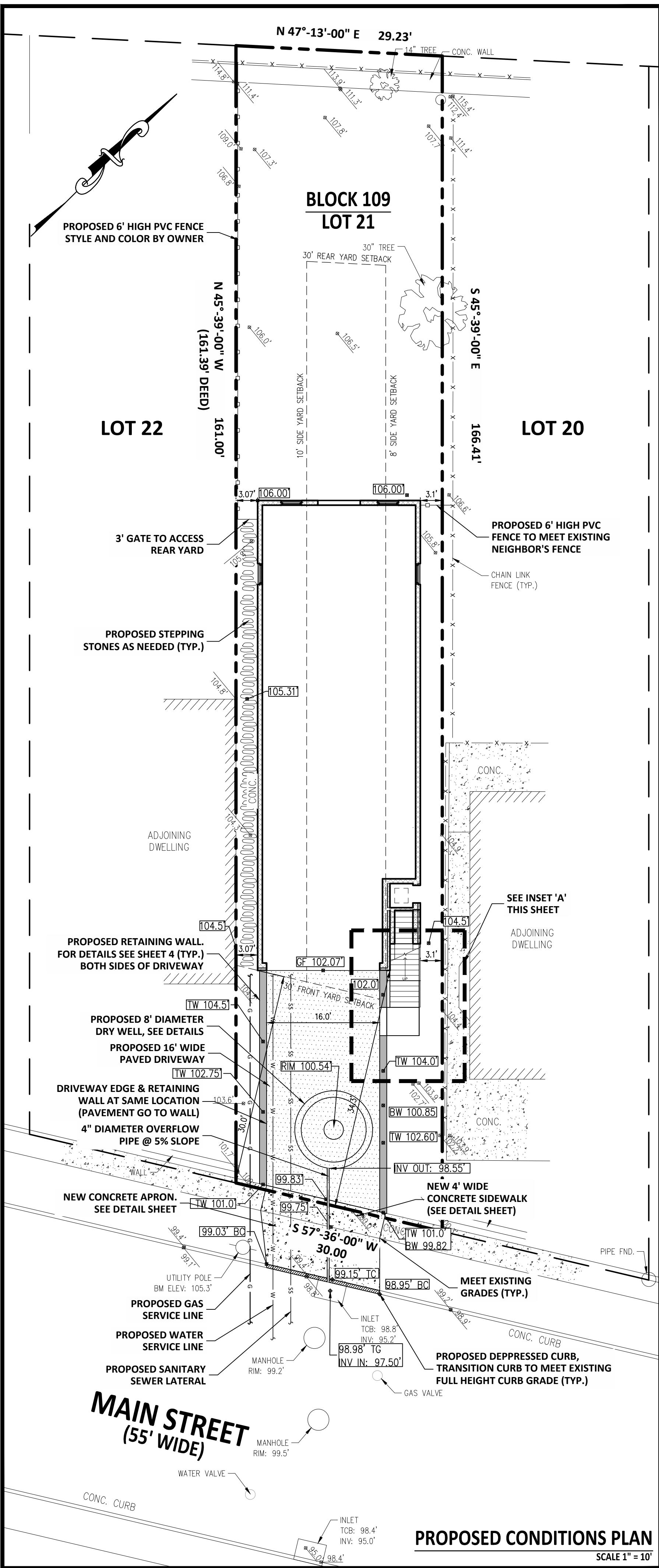
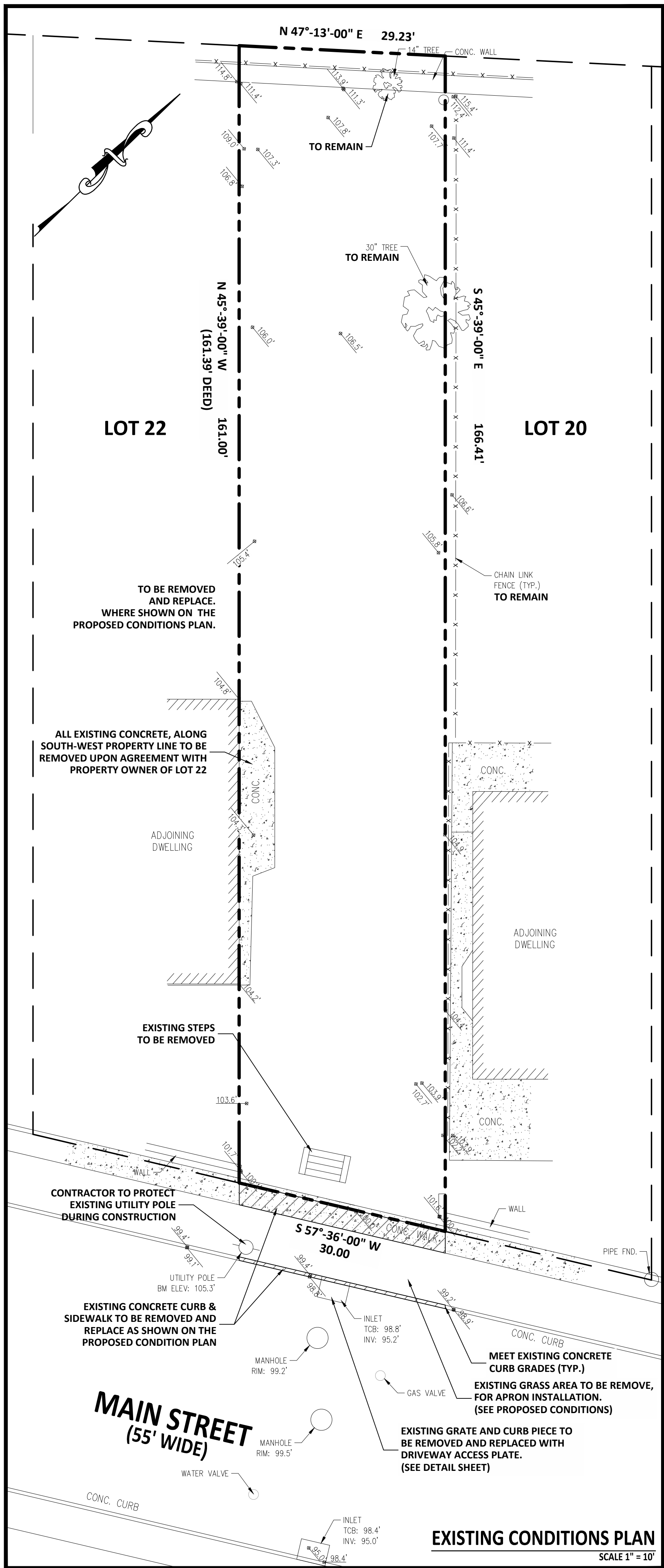
No.: SC21-06

DRAWN: CDA

SCALE: 1" = 10'

SHEET No.: 1 OF 4

REV.	DATE	DESCRIPTION



ZONING SCHEDULE TABLE			
ZONE B-1 (TWO FAMILY RESIDENCE)			
REGULATION	REQUIRED	EXISTING	PROPOSED
MIN LOT AREA	3,750 SF	4,779 SF *	4,779 SF *
MIN LOT WIDTH	75 FT	30 FT/29.23 FT	30/29.23 FT *
MIN FRONT YARD	30 FT	--	30 FT
MIN SIDE YARDS	8/10 FT	--	3.1'/3.1 **
MIN REAR YARD	30 FT	--	63 FT/64.1 FT
MAX NUMBER OF STORIES	2.5	--	2.5
MAX BLDG HEIGHT	35 FT	--	35'
MAX LOT COVERAGE (BLDG)	60%	--	32%
MAX LOT COVERAGE (IMPROVEMENT)	75%	0.04%	45.6%

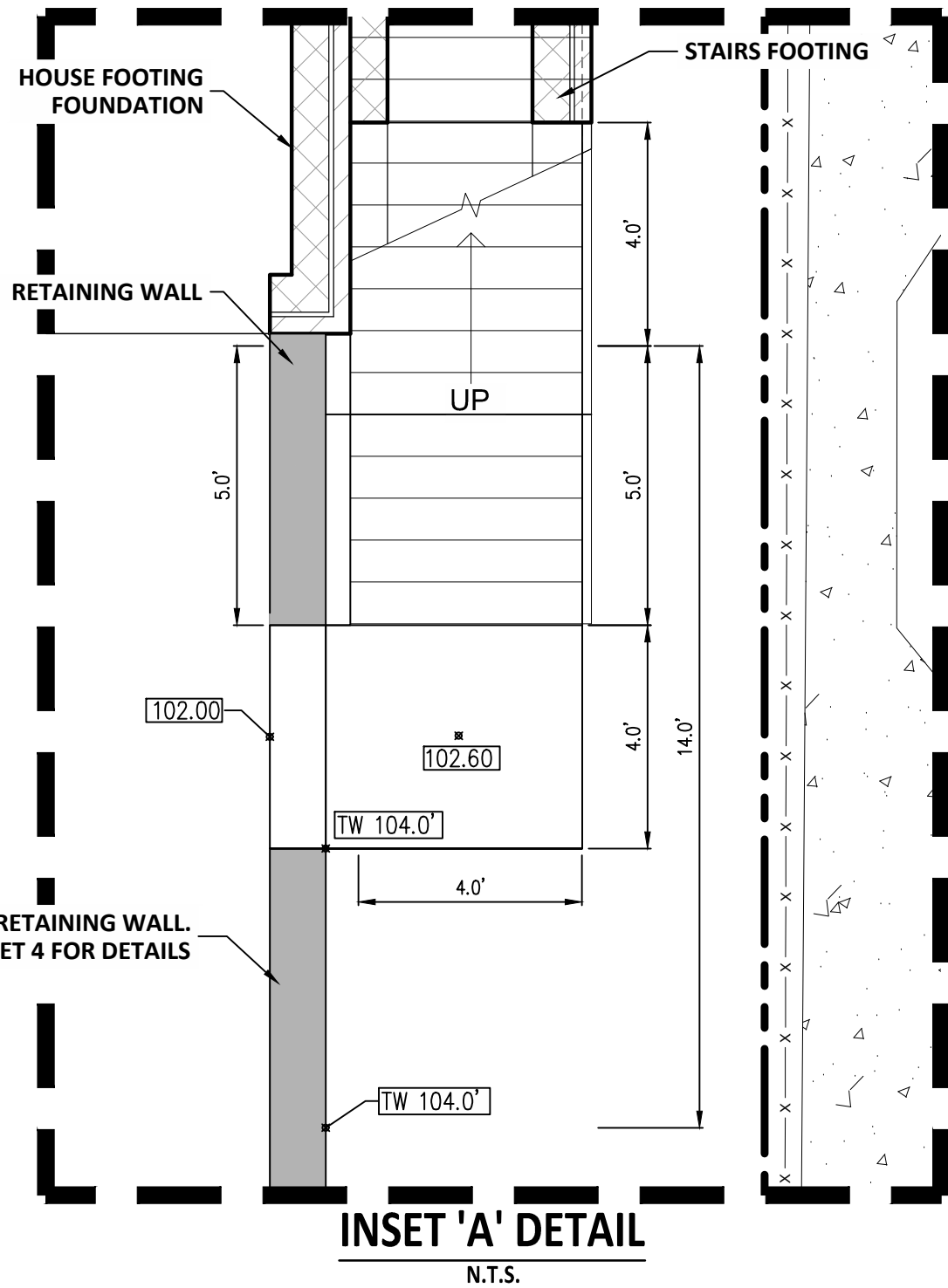
NOTES: * PRE-EXISTING CONDITIONS
** VARIANCE REQUIRED

GENERAL NOTES

- ALL WORK SHALL BE DONE BETWEEN THE HOURS OUTLINED UNDER THE LOCAL ORDINANCE.
- ALL INFORMATION SHOWN OR NOTED FOR EXISTING FACILITIES, GRADES, ROADWAYS AND MATERIALS ARE APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL INFORMATION THAT MAY AFFECT HIS WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXISTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR'S OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION MEANS & METHODS, SEQUENCE, TECHNIQUES AND PROCEDURES NECESSARY FOR PERFORMING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL GRADING OPERATIONS SHALL PROVIDE FOR POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND STRUCTURES AND SHALL ELIMINATE PONDING AREAS.
- ALL EXISTING DEBRIS SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY COMPANY REQUIREMENTS.
- THE CONTRACTOR IS NOT PERMITTED TO STOCKPILE EXCAVATED MATERIALS OVER ANY UTILITY LINES. THE STOCKPILED MATERIALS SHOULD BE PLACED SUFFICIENTLY AWAY FROM THE EDGE OF ANY EXCAVATION TO PREVENT CAVING OF THE TRENCH WALL AND TO PERMIT ADEQUATE ACCESS ALONG THE TRENCH.
- ANY EXISTING IMPERVIOUS SURFACES NOT TO REMAIN SHALL BE RESTORED WITH A MINIMUM OF 5" TOPSOIL SEED AND MULCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE CONTRACTOR MUST NOT DEPOSIT THE EXCESS MATERIALS WITHIN MUNICIPAL PROPERTY LIMITS WITHOUT EXPRESS PERMISSION FROM THE MUNICIPALITY. MATERIALS MUST BE DISPOSED IN ACCORDANCE WITH APPROVED NJDOT, NJDEP METHODS AND MEANS.
- ALL LANDSCAPED AREAS WILL BE MAINTAINED WITH EITHER GRASS OR GROUND COVERED.

LEGEND

---	EXISTING BOUNDARY LINE
- - - - -	PROPOSED SETBACK LINE
---	EXISTING CURB
X X	EXISTING FENCE
51.8'-GRD	EXISTING SPOT ELEVATION
61.75'	PROPOSED ROOF DRAIN PIPE
---	PROPOSED SPOT ELEVATION
W W W	PROPOSED WATER SERVICE LINE
SS SS	PROPOSED SANITARY SEWER LINE
G G G	PROPOSED GAS LINE
□ □ □ □	PROPOSED 6' HIGH PVC FENCE



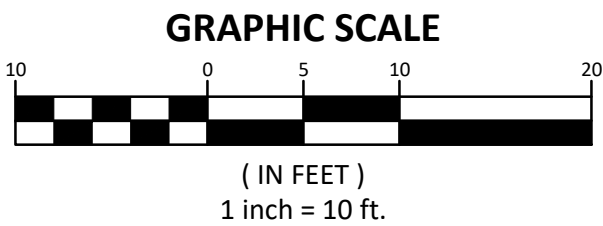
EXISTING & PROPOSED CONDITIONS, GRADING, NOTES, DETAILS & ZONING CHART

NEW TWO FAMILY DWELLING
156 MAIN STREET
BLOCK 89, LOT 21
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY 07052

DATE: JULY 29, 2022
No.: SC21-06
DRAWN: CDA
SCALE: 1" = 10'
SHEET No.: 2 OF 4

SANDRA CACERES, P.E.

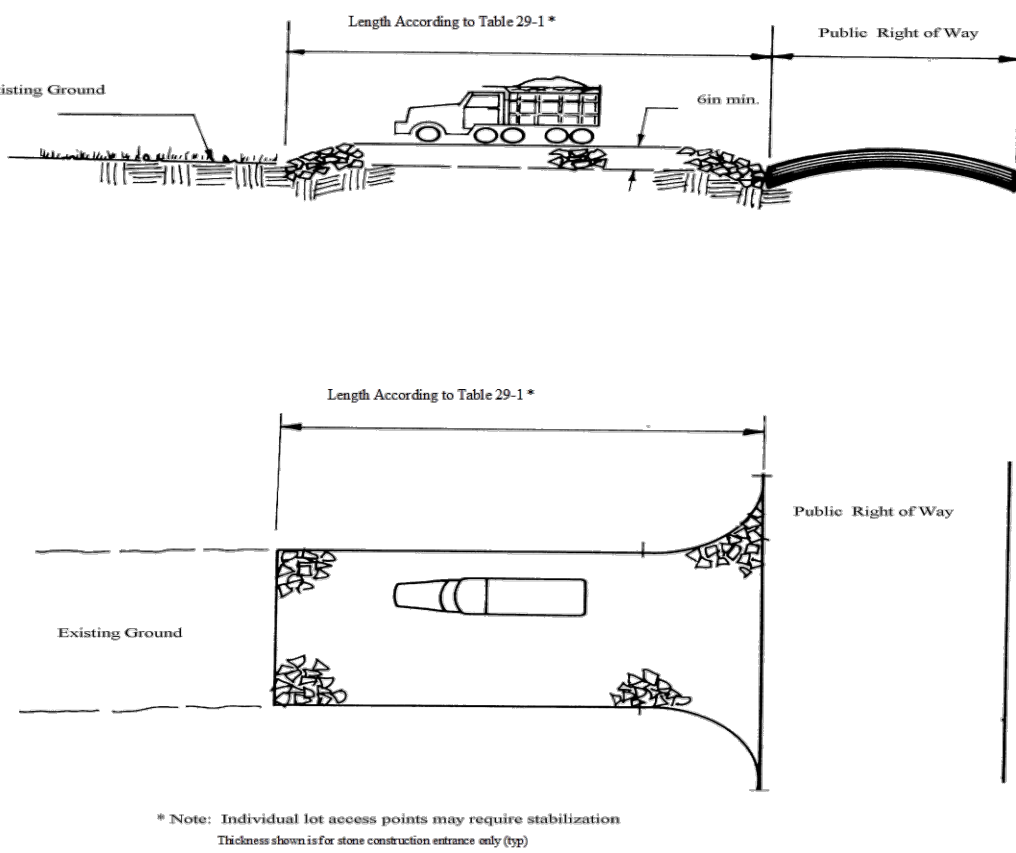
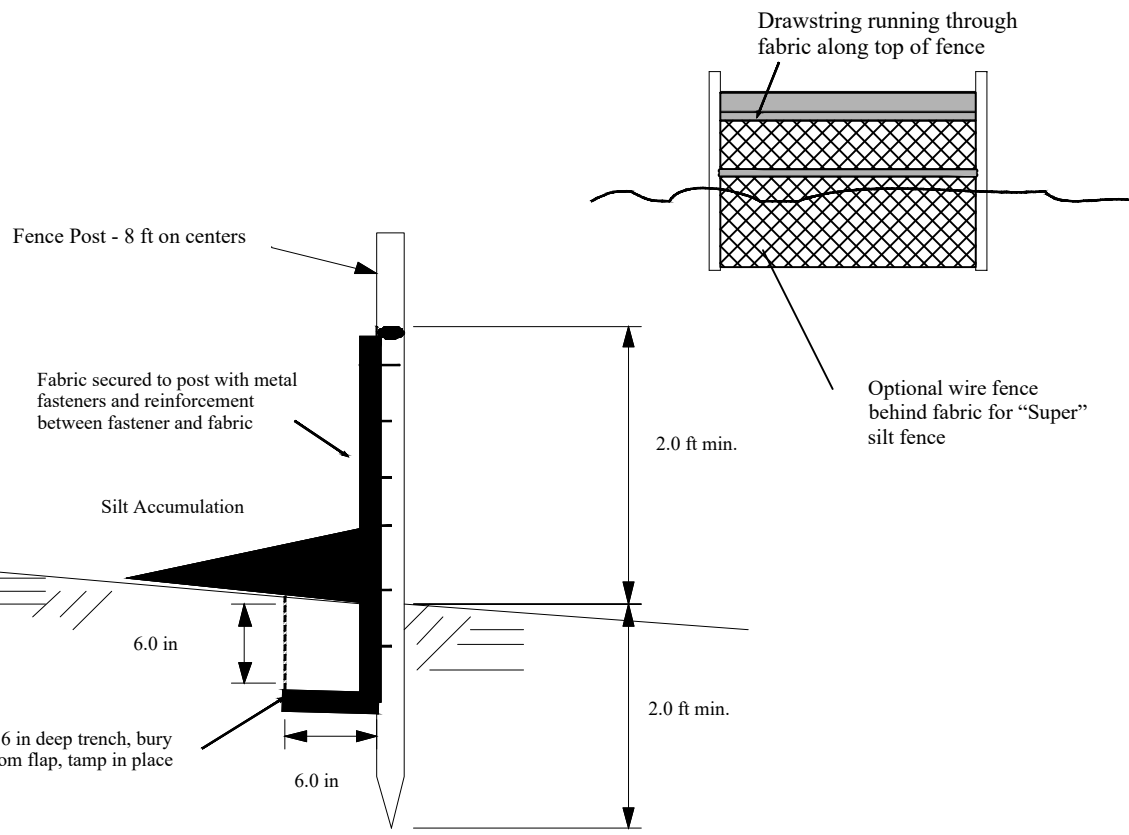
N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24GE04562600
830 NORTH AVENUE WEST
WESTFIELD, NEW JERSEY 07090
PHONE No. 908 296-3956



REQUIREMENTS FOR SILT FENCE:

- FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
- "SUPER" SILT FENCE -- A METAL FENCE WITH 6 INCH OR SMALLER MESH OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC. POSTS MAY BE SPACED LESS THAN 8 FEET ON CENTER AND MAY BE CONSTRUCTED OF HEAVIER WOOD OR METAL AS NEEDED TO WITHSTAND HEAVY SEDIMENT LOADING. THIS PRACTICE IS APPROPRIATE WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED. "SUPER" SILT FENCE IS NOT TO BE USED IN PLACE OF PROPERLY DESIGNED DIVERSIONS (PG. 15-1) WHICH MAY BE NEEDED TO CONTROL SURFACE RUNOFF RATES AND VELOCITIES.
- A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

SILT FENCE CONSTRUCTION & INSTALLATION DETAIL N.T.S.

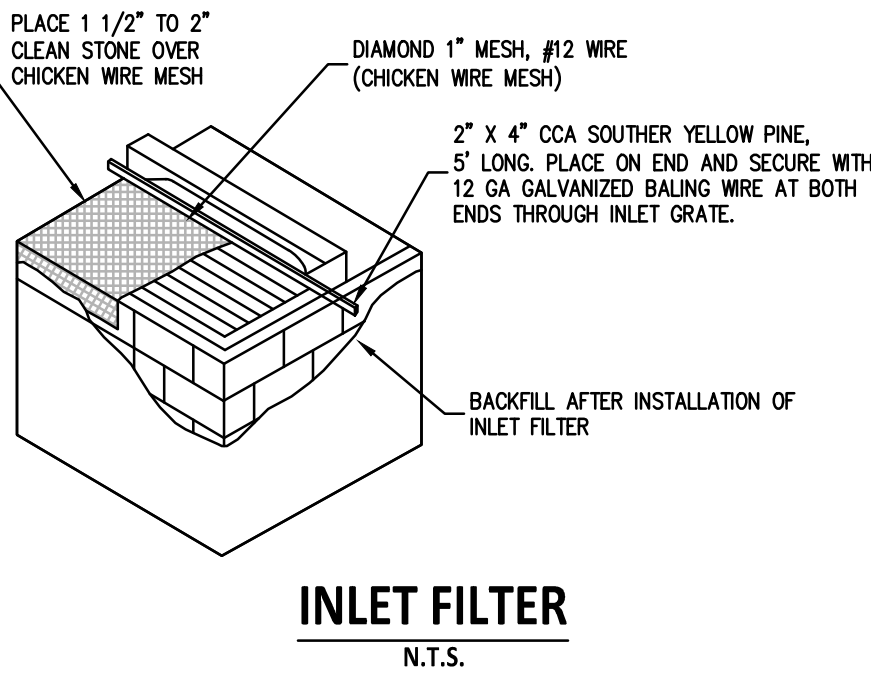


INDIVIDUAL LOT ENTRANCE AND EGRESS-- AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOT INGRESS/EGRESS POINTS MAY REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF NO. 3 STONE (1" TO 2") TO PREVENT OR MINIMIZE TRACKING OF SEDIMENTS. WIDTH OF THE STONE INGRESS/EGRESS SHALL BE EQUAL TO LOT ENTRANCE WIDTH AND SHALL BE A MINIMUM OF TEN FEET IN LENGTH.

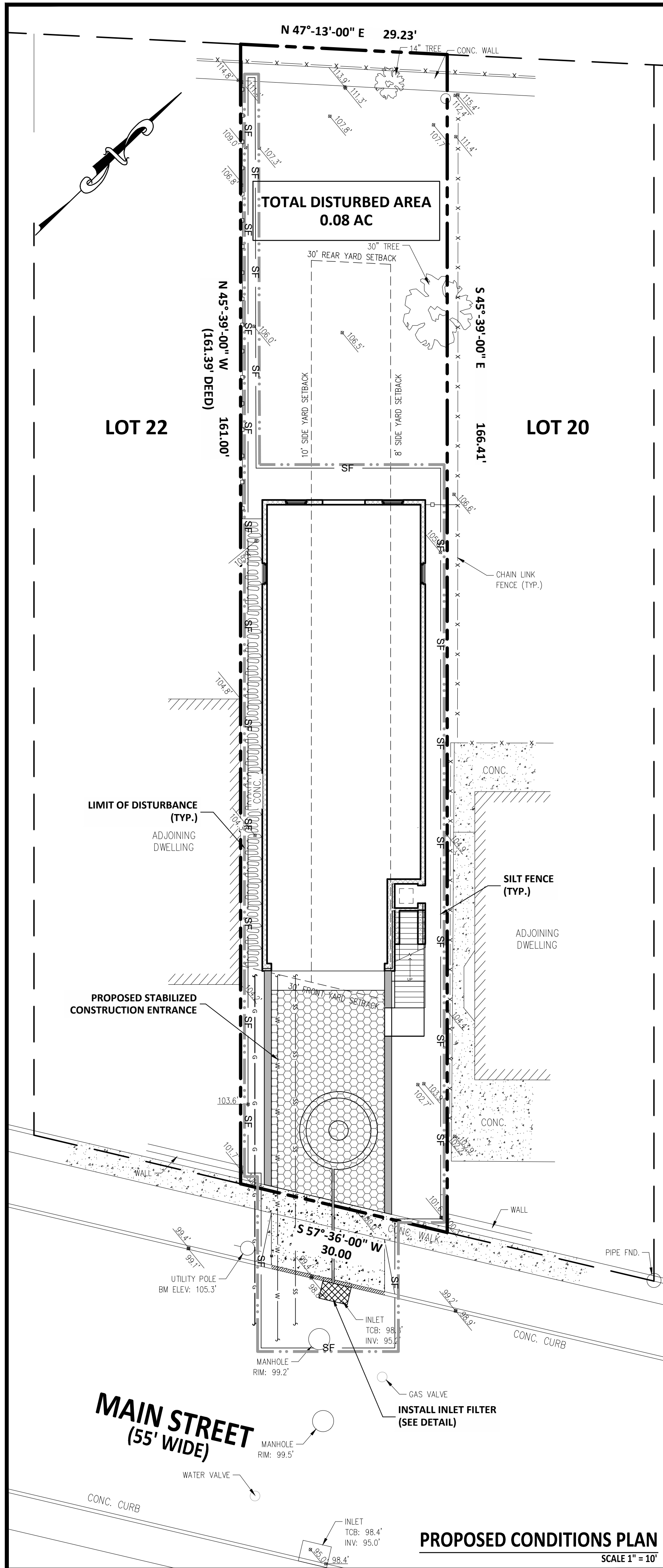
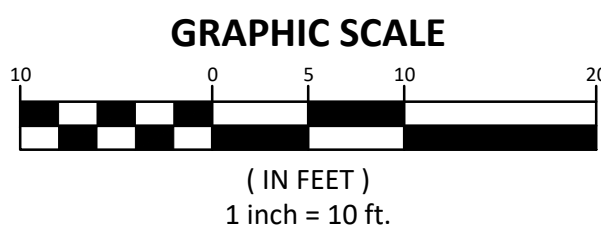
STABILIZE CONSTRUCTION ACCESS N.T.S.

GENERAL NOTES:

- CONTRACTOR TO CLEAN INLET FILTER AFTER EVERY STORM.
- FILTER FABRIC, WOOD PIECE OR PVC PIPE TO BE REMOVED AFTER PAVING OR FINAL GRADING AND ESTABLISHMENT OF VEGETATION.



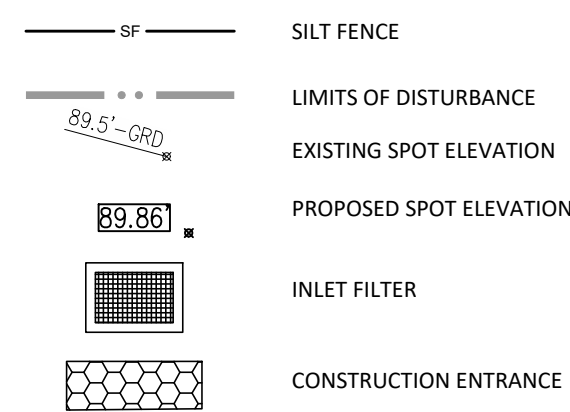
INLET FILTER N.T.S.



EROSION CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" 7TH EDITION LAST REVISED JULY 2017, EFFECTIVE DECEMBER 2017. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, MAY BE REQUIRED TO BE TEMPORARILY MULCHED, AND SEEDED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER AS PER APPENDIX A3. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT ESTABLIZATION IS ESTABLISHED.
- SEEDING DATES: THE FOLLOWING SEEDING DATES ARE RECOMMENDED TO BEST ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPSCD: SPRING - 3/15-5/15 AND FALL - 8/15 - 10/1.
- SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.
- ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS, AND PROTECTION SHALL REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- MULCH MATERIALS SHALL BE UN-ROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 70 TO 90 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
- ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (862) 333-4507 OR EMAIL - INFORMATION@HEPSCD.ORG
- THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ - DCA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AT 862-333-4505 TO REQUEST A FINAL INSPECTION, GIVING ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND/OR SILT CONTROL BAGS.
- ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER ARE TO BE PROVIDED TOPSOIL PRIOR TO RE-SEEDING, SODDING OR PLANTING. A DEPTH OF 5.0 INCHES, FIRMED IN PLACE, IS REQUIRED, AS PER THE STANDARDS FOR TOPSOILING AND LAND GRADING, EFFECTIVE DECEMBER 2017.
- ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2 "1" CRUSHED ANGULAR STONE (ASTM 2 OR 3) TO A MINIMUM LENGTH OF 50 FEET AND MINIMUM DEPTH OF 6". ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- STEEP SLOPES INCURRING DISTURBANCE MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER AND BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF INDIVIDUAL LOTS. NEW OWNERS INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.

LEGEND



GENERAL NOTES

- SURVEY OF PROPERTY BY: SCHMIDT SURVEYING DATED NOVEMBER 18, 2021
- THE CONTRACTOR IS ADVISED THAT THE SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE SUBJECT TO HUDSON-ESSEX-PASSAIC COUNTY SOIL CONSERVATION DISTRICT REVIEW AND APPROVAL AND SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE SAME.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS DEEMED NECESSARY BY THE ENGINEER AND THE HUDSON-ESSEX-PASSAIC COUNTY SOIL CONSERVATION DISTRICT.

SOIL EROSION & SEDIMENT CONTROL AGENCY
HUDSON-ESSEX-PASSAIC COUNTY SOIL CONSERVATION DISTRICT
80 ORCHARD STREET
BLOOMFIELD, NJ 07003
PHONE (862) 333-4505

**THIS PLAN TO BE USED FOR
SOIL EROSION AND SEDIMENT
CONTROL PURPOSES ONLY**

SOIL EROSION AND SEDIMENT CONTROL PLAN, DETAILS & NOTES

NEW TWO FAMILY DWELLING

156 MAIN STREET
BLOCK 89, LOT 21
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY 07052

DATE: JULY 29, 2022

No.: SC21-06

DRAWN: CDA

SCALE: 1" = 10'

SHEET No.: 3 OF 4

SANDRA CACERES, P.E.

N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24GE04562600
830 NORTH AVENUE WEST
WESTFIELD, NEW JERSEY 07090
PHONE No. 908 296-3956

REV.	DATE	DESCRIPTION

SEQUENCE CONSTRUCTION FOR FAMILY DWELLINGS

THIS PROJECT CONSIST OF THE CONSTRUCTION OF A TWO FAMILY DWELLING INCLUDING DRIVEWAY, STAIRS AND WALL. THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:

- INSTALLATION OF ALL SOIL & SEDIMENT CONTROL MEASURES PRIOR TO ANY DISTURBANCE.
- FINE-GRADE SITE AND STABILIZE WITH PERMANENT COVER.
- DWELLING CONSTRUCTION, INCLUDING DRIVEWAY, STAIRS & WALL.
- REMOVAL OF APPROPRIATE TEMPORARY SOIL & SEDIMENT CONTROL DEVICES.

CONSTRUCTION SCHEDULE

- INSTALLATION OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AT THE INITIATION OF LAND DISTURBANCE ACTIVITIES. ALL TEMPORARY SOIL EROSION MEASURES MUST BE INCLUDED (SILT FENCE ALONG PAVED STREET(S), STONE TRACKING PAD AND INLET PROTECTION).
- CONSTRUCTION OF DWELLING UNIT.
- TOPSOIL (5" MINIMUM DEPTH) AND FINAL GRADING OF LOT.
- PERMANENT STABILIZATION OF LOT.

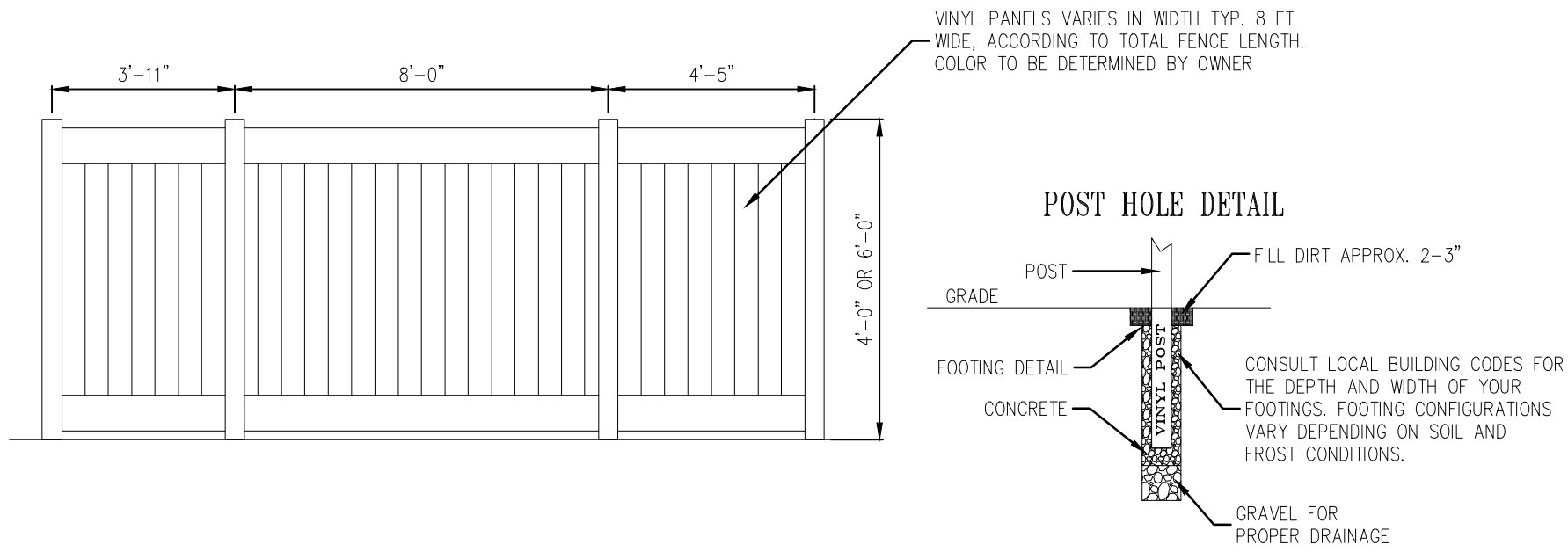
STABILIZATION NOTES (RATES PER 1,000 SF)

- PREPARE SEEDBED. ALL DEBRIS MUST BE REMOVED FROM TOPSOIL (5" MINIMUM DEPTH) BEFORE WORK IS PERFORMED.
- APPLY NINETY (90) POUNDS GROUND LIMESTONE (OR AS DETERMINED BY A SOIL TEST).
- APPLY ELEVEN (11) POUNDS 10-10-10 FERTILIZER (OR AS DETERMINED BY A SOIL TEST).
- APPLY SEED USING ONE OF THE SEEDING MIXTURES BELOW. ALL SEED MUST BE INCORPORATED OR RAKED INTO THE SOIL.
- APPLY NINETY (90) POUNDS STRAW MULCH. ALL STRAW MULCH MUST BE PROPERLY TACKED (ANCHORED).

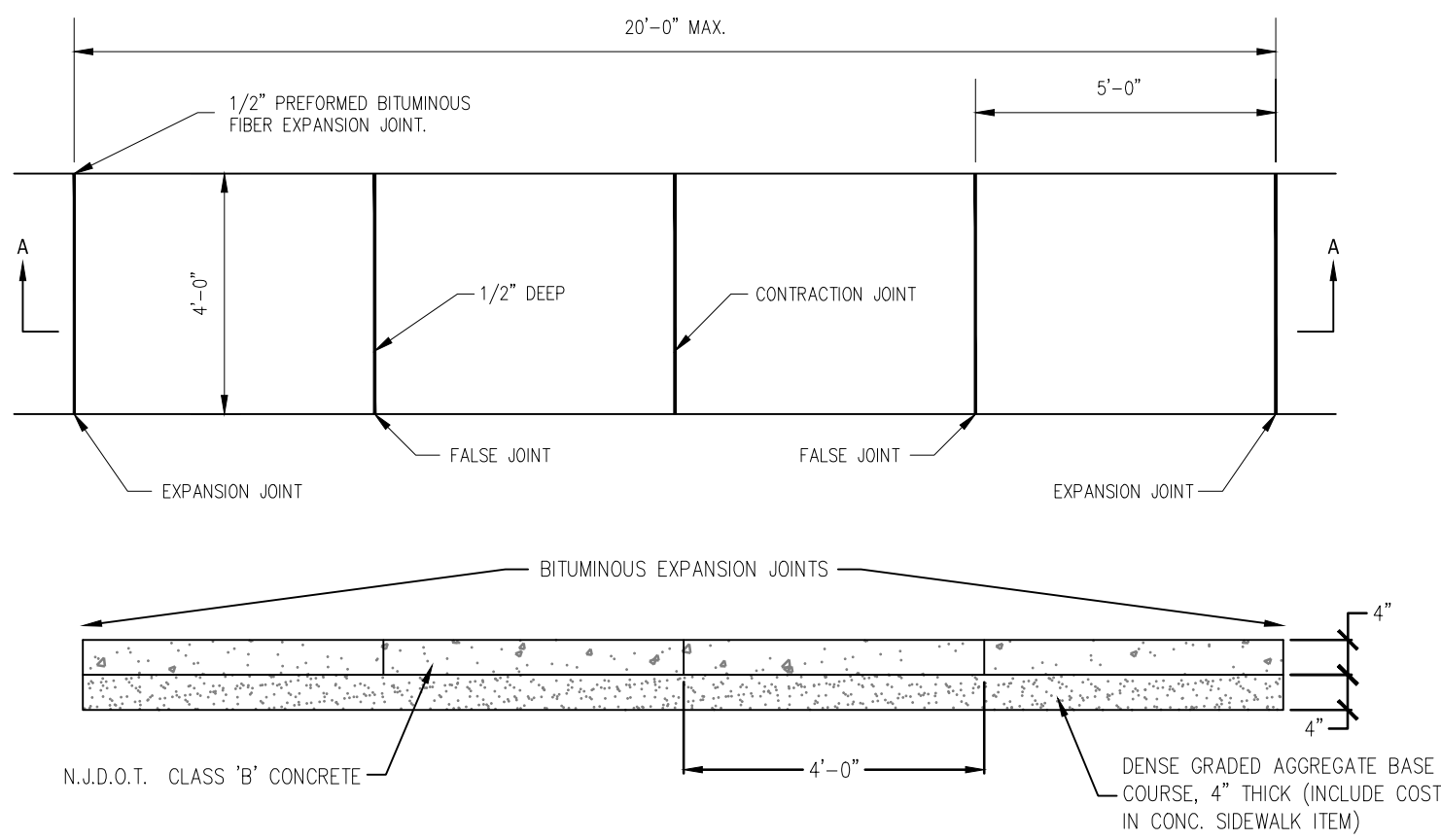
SEEDING MIXTURES FOR HOME LAWNS

ALL SEED MUST BE INCORPORATED OR RAKED INTO THE SOIL

PLANT SPECIES	SEEDING RATE (POUNDS PER 1,000 SF)
MIX#1	
TALL FESCUE (TURF TYPE)	6.0
PERENNIAL RYEGRASS	0.5
KENTUCKY BLUEGRASS	0.5
TOTAL	7.0 POUNDS PER 1,000 SQUARE FEET
MIX#2	
HARD FESCUE	3.0
(STRONG) CREEPING RED (FESCUE)	1.0
CHEWING FESCUE	1.0
PERENNIAL RYEGRASS	2.5
TOTAL	7.5 POUNDS PER 1,000 SQUARE FEET
MIX#3	
HARD FESCUE	4.0
PERENNIAL RYEGRASS	1.0
KENTUCKY BLUEGRASS	1.0
TOTAL	6.0 POUNDS PER 1,000 SQUARE FEET

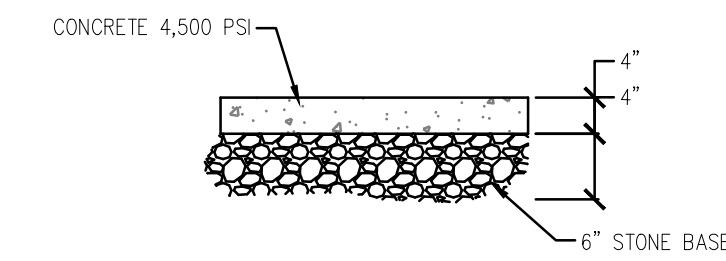


4' & 6' VINYL PRIVACY FENCE
N.T.S.

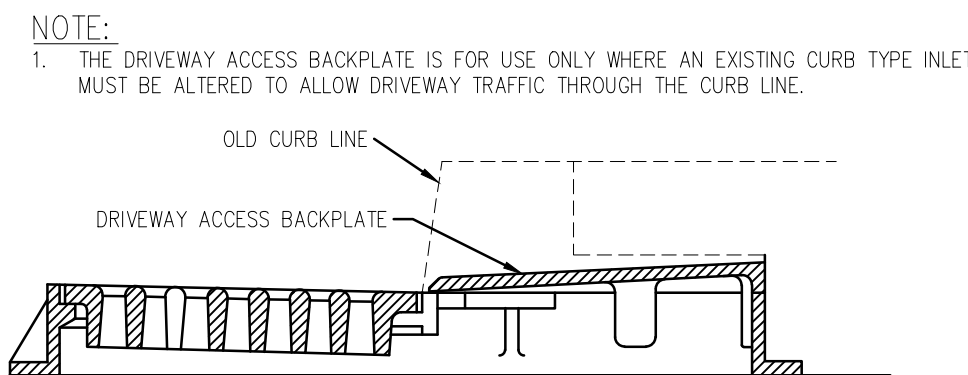


- CONSTRUCTION NOTES:
1. A PREFORMED, BITUMINOUS EXPANSION JOINT 3" THICK, 4" WIDE, AND EXTENDING THE FULL WIDTH OF THE WALK, UNBROKEN, SHALL BE INSTALLED EVERY TWENTY (20) FEET.
 2. CONSTRUCTION JOINTS SHALL BE INSTALLED EVERY FOUR (4) FEET THE FULL WALK WIDTH. HOWEVER, WHERE SIDEWALK IS DISTINCTLY WIDER THAN 4 FEET, THE JOINT SPACING IS TO BE INCREASED TO PROVIDE APPROXIMATELY SQUARE CONCRETE SIDEWALK FLAGS BETWEEN JOINTS.
 3. THERE SHALL BE A BROOM FINISH WITH TWICE TOOLED EDGES.

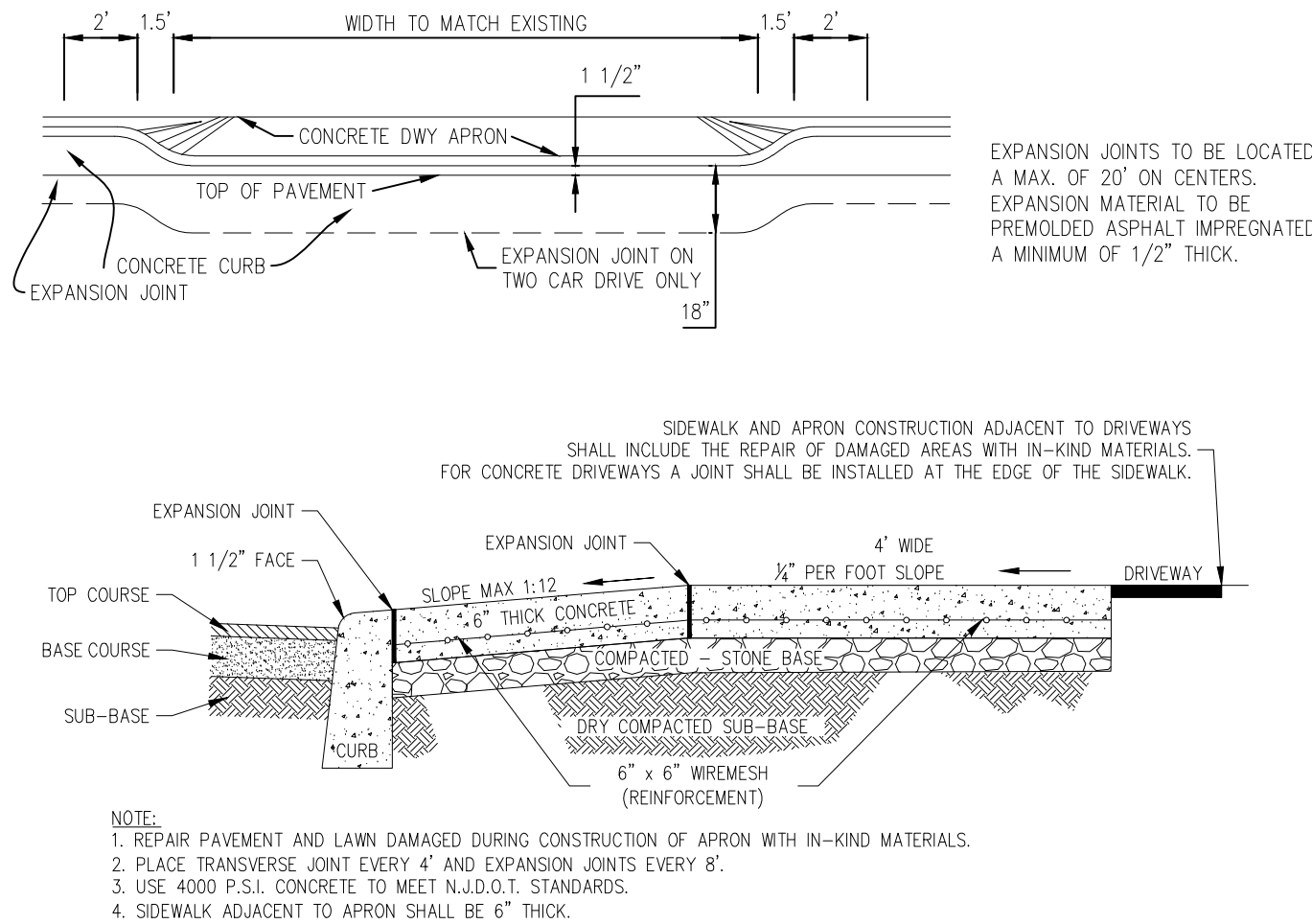
CONCRETE SIDEWALK DETAIL
N.T.S.



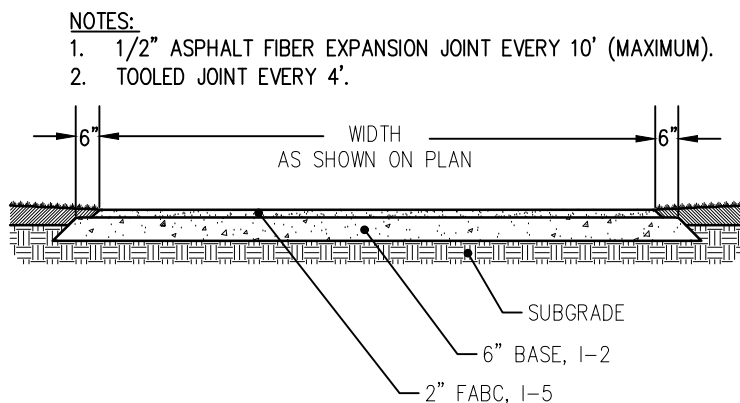
CONCRETE PAD LANDING
N.T.S.



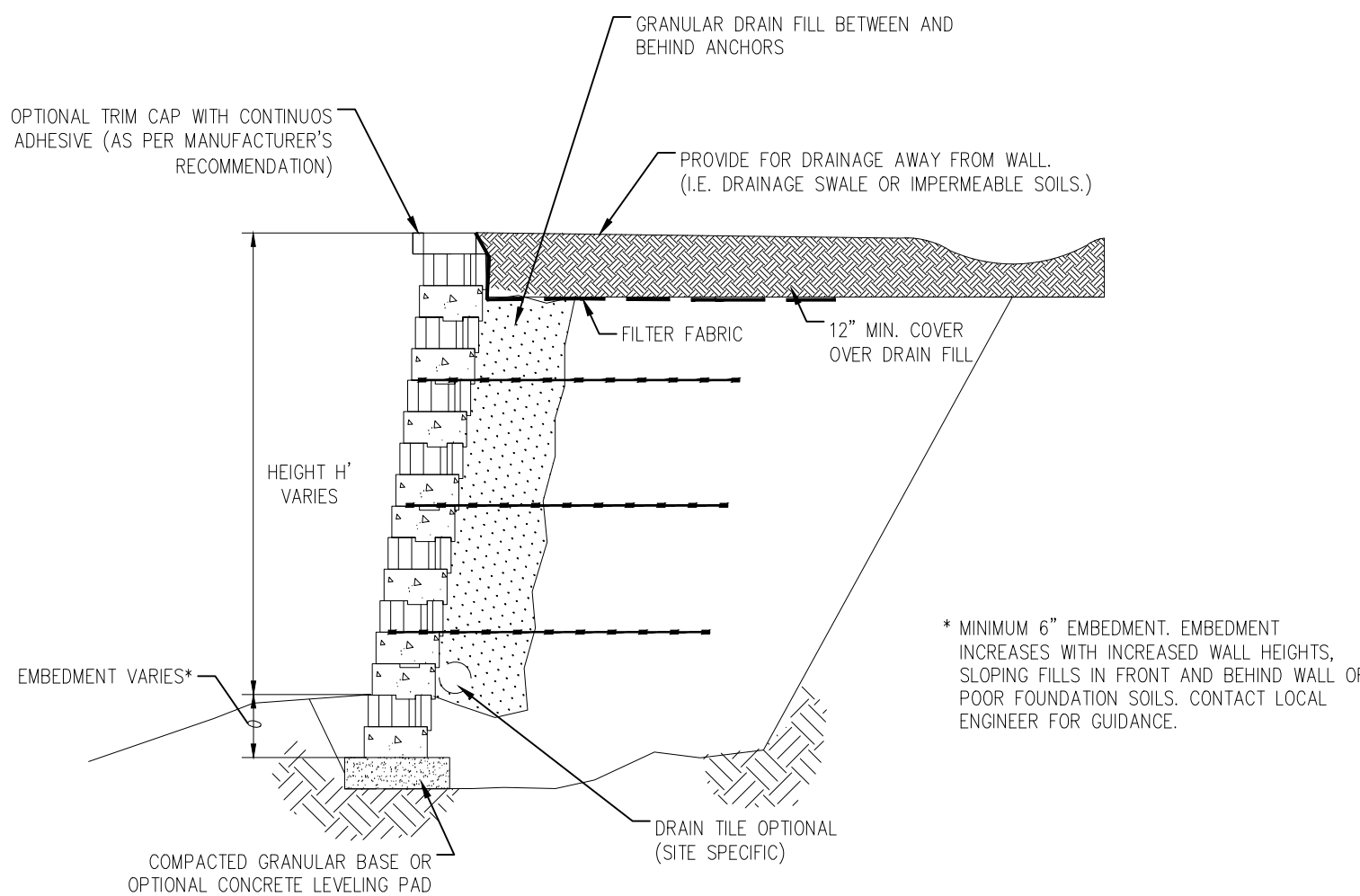
DRIVEWAY ACCESS BACKPLATE DETAIL
N.T.S.



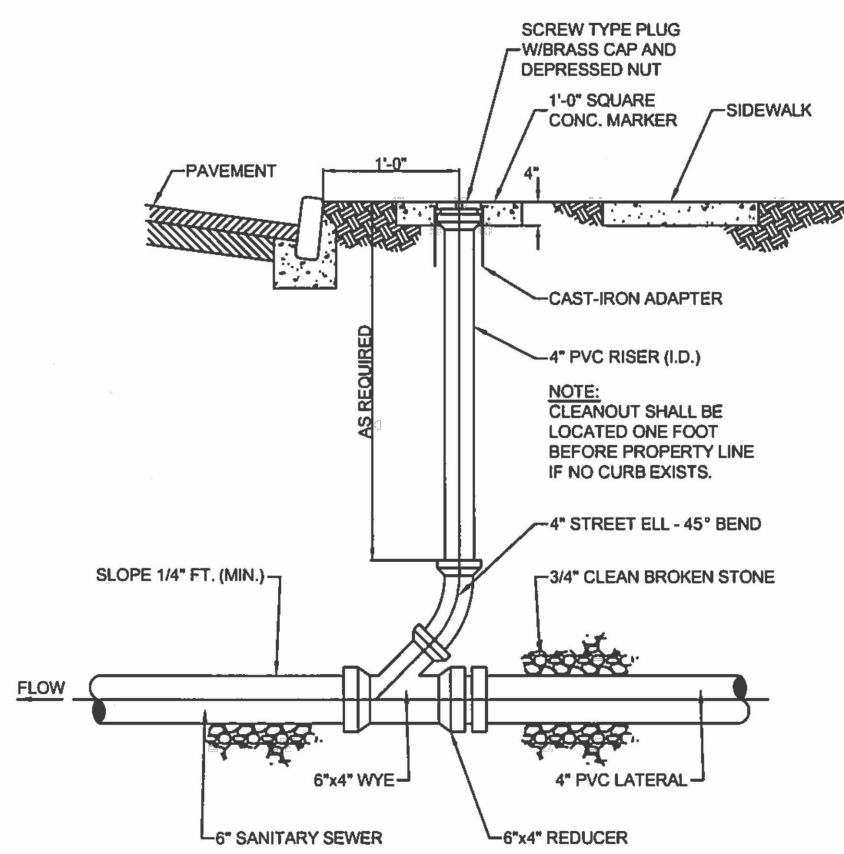
CONCRETE DRIVEWAY ENTRANCE WITH SIDEWALK
N.T.S.



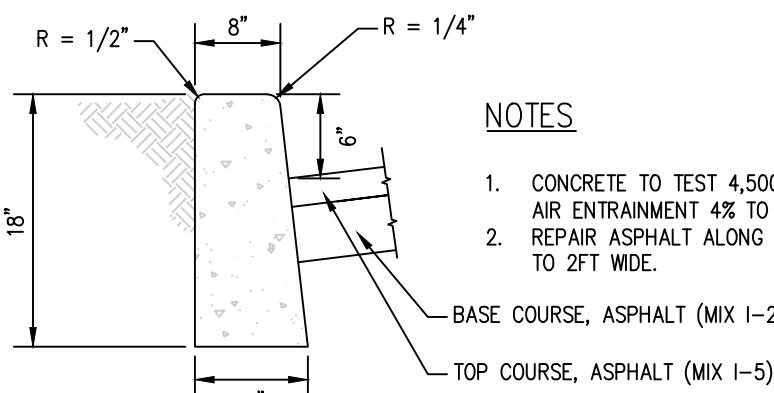
RESIDENTIAL DRIVEWAY PAVEMENT DETAIL
(SINGLE & TWO FAMILY)
N.T.S.



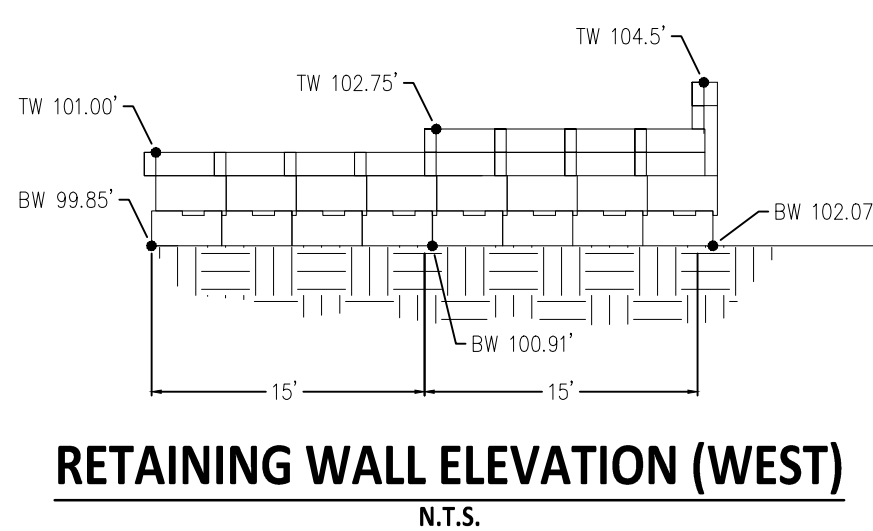
DECORATIVE RETAINING WALL DETAIL
N.T.S.



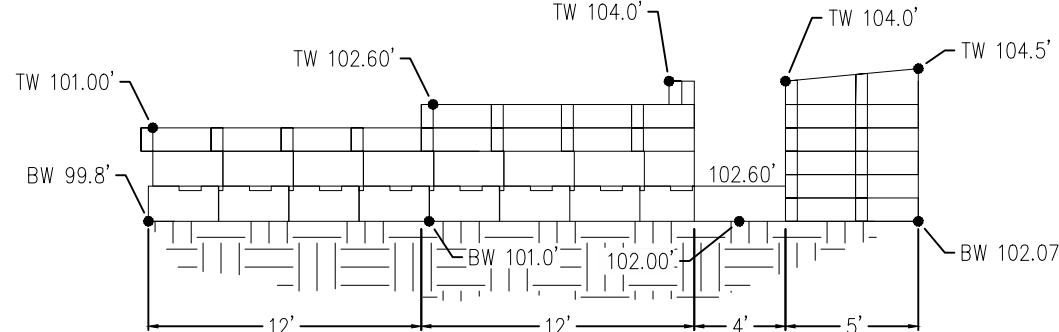
STANDARD CLEANOUT DETAIL
N.T.S.



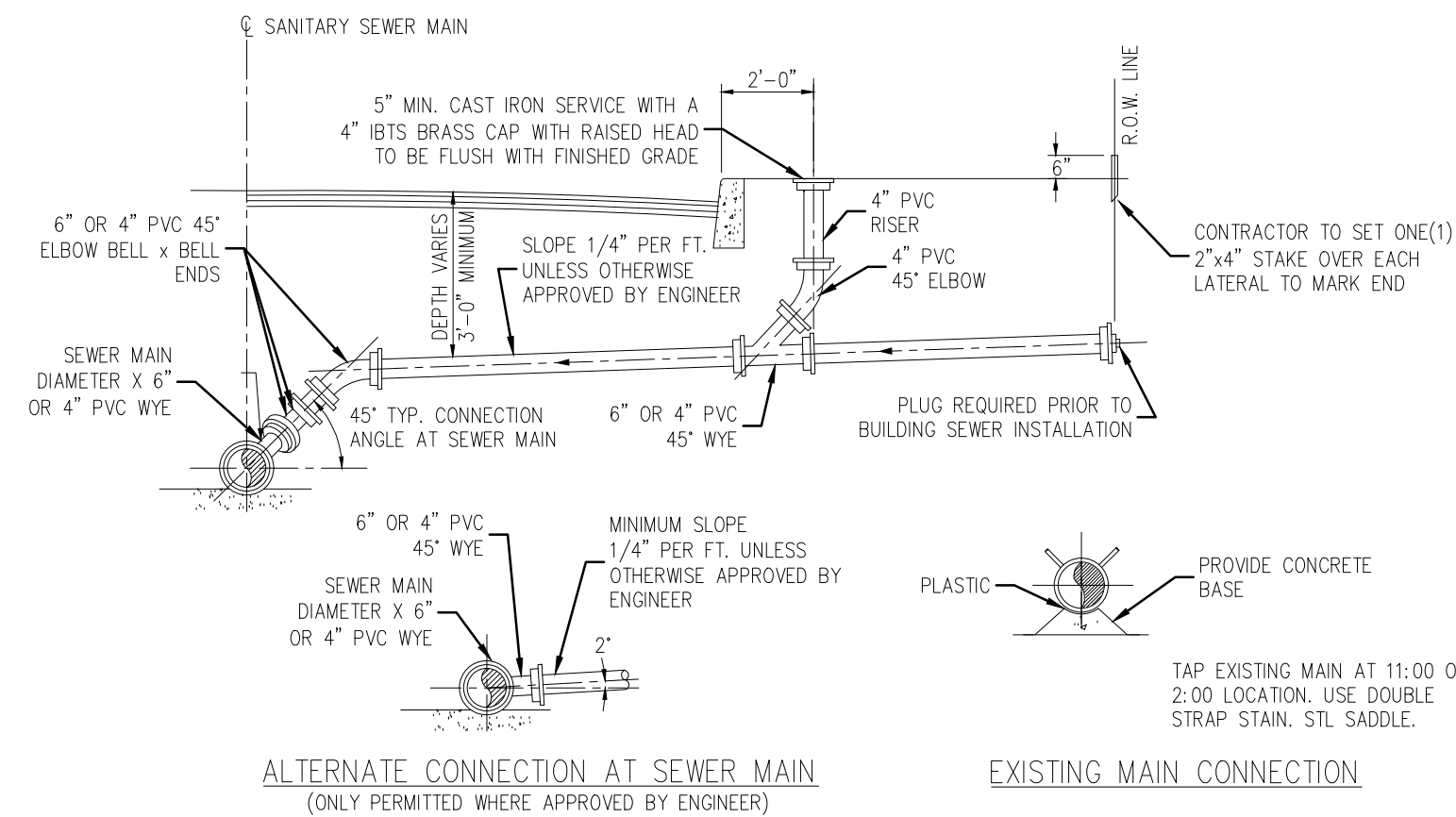
TYPICAL 9' X 18' CURB DETAIL
N.T.S.



RETAINING WALL ELEVATION (WEST)
N.T.S.



RETAINING WALL ELEVATION (EAST)
N.T.S.



SANITARY SEWER LATERAL CONNECTION
N.T.S.

DRAINAGE CALCULATIONS:

EXISTING IMPERVIOUS AREA COVERAGE: 168± SQ. FT.

PROPOSED IMPERVIOUS COVERAGE: 2,179± SQ. FT.

PROPOSED ADDITIONAL IMPERVIOUS AREA: 2,011± SQ. FT.

REQUIRED STORAGE: 333± CU FT

PROPOSED STORAGE: 341± CU FT

SEEPAGE PIT DESIGN

- 2" OVER IMPERVIOUS AREA
- AREA CONTRIBUTING TO SEEPAGE PIT (IMPERVIOUS) = 2,011 SF
- VOLUME REQUIRED = 333 CF

TANK VOLUME

$$VTANK = (\pi)(B)(DEPTH)$$

$$VTANK = 157 CF$$

STONE VOLUME

$$VOLUME OF EXCAVATION = ((1/2)^2 \times \pi \times 6.5') = 617 CF$$

$$LESS VOLUME OF TANK = 157 CF$$

$$NET VOLUME OF STONE = 460 CF$$

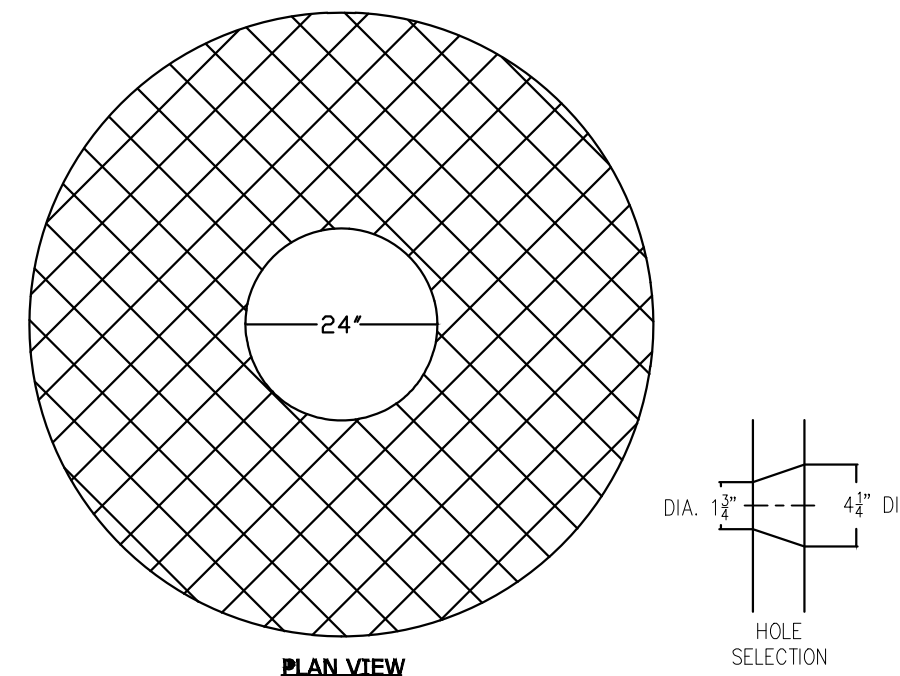
$$ASSUMING 40% STONE VOID S = (VTANK) - (VSTONE) = 184 CF$$

STORE VOLUME

$$VPIT = VTANK + VSTONE = 341 CF$$

$$VOLUME REQUIRED (CF) 333 CF < VOLUME PROPOSED (CF) 341 CF$$

SYSTEM OK ✓



- NOTES:
- RESIDENTIAL TRAFFIC ONLY
 - CONCRETE 4,500 PSI @ 28 DAYS
 - CAPACITY 1,500 GALLONS/175 CUBIC FEET
 - WEIGHT 7,000 LBS±
 - 1.5 FT CLEAN STONE AROUND PIT WIDTH

8' SEEPAGE PIT WITH RESIDENTIAL TRAFFIC TOP
N.T.S.

SITE DETAILS

NEW TWO FAMILY DWELLING

156 MAIN STREET
BLOCK 89, LOT 21
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY 07052

DATE: JULY 29, 2022

No.: SC21-06

DRAWN: CDA

SCALE: NTS

SHEET No.: 4 OF 4

SANDRA CACERES, P.E.

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830 NORTH AVENUE WEST
WESTFIELD, NEW JERSEY 07090
PHONE No. 908 296-3956

REV.	DATE	DESCRIPTION