

1. INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY SPRUHAN ENGINEERING, P.C. AS OF 11/19/2025.

3. THIS PLAN IS NOT INTENDED TO BE RECORDED.

5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT USES OF THE LAND; HOWEVER THIS NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.

6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.

7. NO RESPONSIBILITY IS TAKEN FOR ZONING TABLE AS SPRUHAN ENGINEERING, P.C. ARE NOT ZONING EXPERTS. TABLE IS TAKEN FROM TABLE PROVIDED BY LOCAL ZONING ORDINANCE. CLIENT AND/OR ARCHITECT TO VERIFY THE ACCURACY OF ZONING ANALYSIS.

8. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC. AND COMPILED FROM PLANS SUPPLIED BY GOVERNMENT AGENCIES.

9. THE ELEVATIONS SHOWN ARE ON A TOWN OF HINGHAM DATUM.

| EXISTING AREAS                  |                     |
|---------------------------------|---------------------|
| LOT AREA                        | 8,833.0 S.F.        |
| <b>EXISTING IMPERVIOUS AREA</b> |                     |
| BUILDING                        | 1,220.7 S.F.        |
| DRIVEWAY                        | 491.6 S.F.          |
| GARAGE                          | 400.8 S.F.          |
| GENERAL IMPERVIOUS              | 791.7 S.F.          |
| <b>TOTAL</b>                    | <b>2,904.8 S.F.</b> |
| EXISTING PERVIOUS AREA          |                     |
| WINDOW WELL                     | 18.11 S.F.          |
| <b>TOTAL</b>                    | <b>18.1 S.F.</b>    |
| LANDSCAPE AREA                  | 5,910.1 S.F.        |

|                                 |                     |
|---------------------------------|---------------------|
| LOT AREA                        | 8,833.0 S.F.        |
| <b>PROPOSED IMPERVIOUS AREA</b> |                     |
| BUILDING                        | 2,006.2 S.F.        |
| DRIVEWAY                        | 791.4 S.F.          |
| GENERAL IMPERVIOUS              | 275.65 S.F.         |
| <b>TOTAL</b>                    | <b>3,073.3 S.F.</b> |
| <b>PROPOSED PERVIOUS AREA</b>   |                     |
| <b>TOTAL</b>                    | <b>0.0 S.F.</b>     |
| LANDSCAPE AREA                  | 5,759.7 S.F.        |

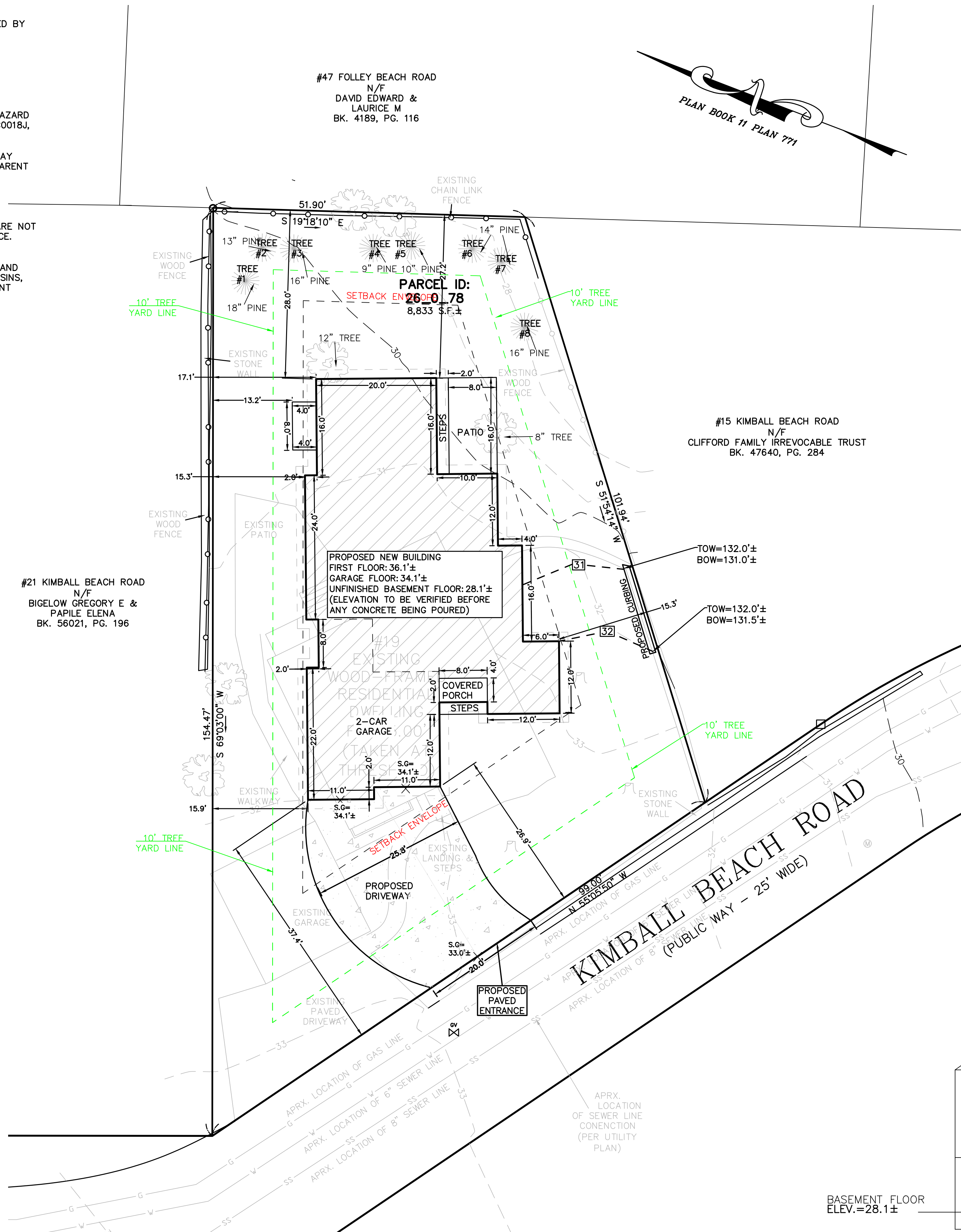
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|------------------------------------------|---------------|
| TOTAL EXISTING IMPERVIOUS AREA           | =2,904.8 S.F. |
| TOTAL PROPOSED IMPERVIOUS AREA           | =3,073.3 S.F. |
| TOTAL <u>INCREASE</u> IN IMPERVIOUS AREA | =168.5 S.F.   |

| ZONING LEGEND                |             |            |
|------------------------------|-------------|------------|
| ZONING DISTRICT: RESIDENCE A |             |            |
|                              | REQUIRED    | PROPOSED   |
| MIN. AREA                    | 20,000 S.F. | 8,833 S.F. |
| MIN. FRONTAGE                | 125'        | 99.0'      |
| MAX. BLDG. HEIGHT            | 35'         | 33.9'      |
| MIN. YARD FRONT              | 25'         | 26.9'      |
| SIDE [LEFT/RIGHT]            | 15'         | 15.3'      |
| REAR                         | 15          | 27.2'      |

REFER TO ARCHITECTURAL PLANS  
FOR ALL ZONING RELATED  
INFORMATION

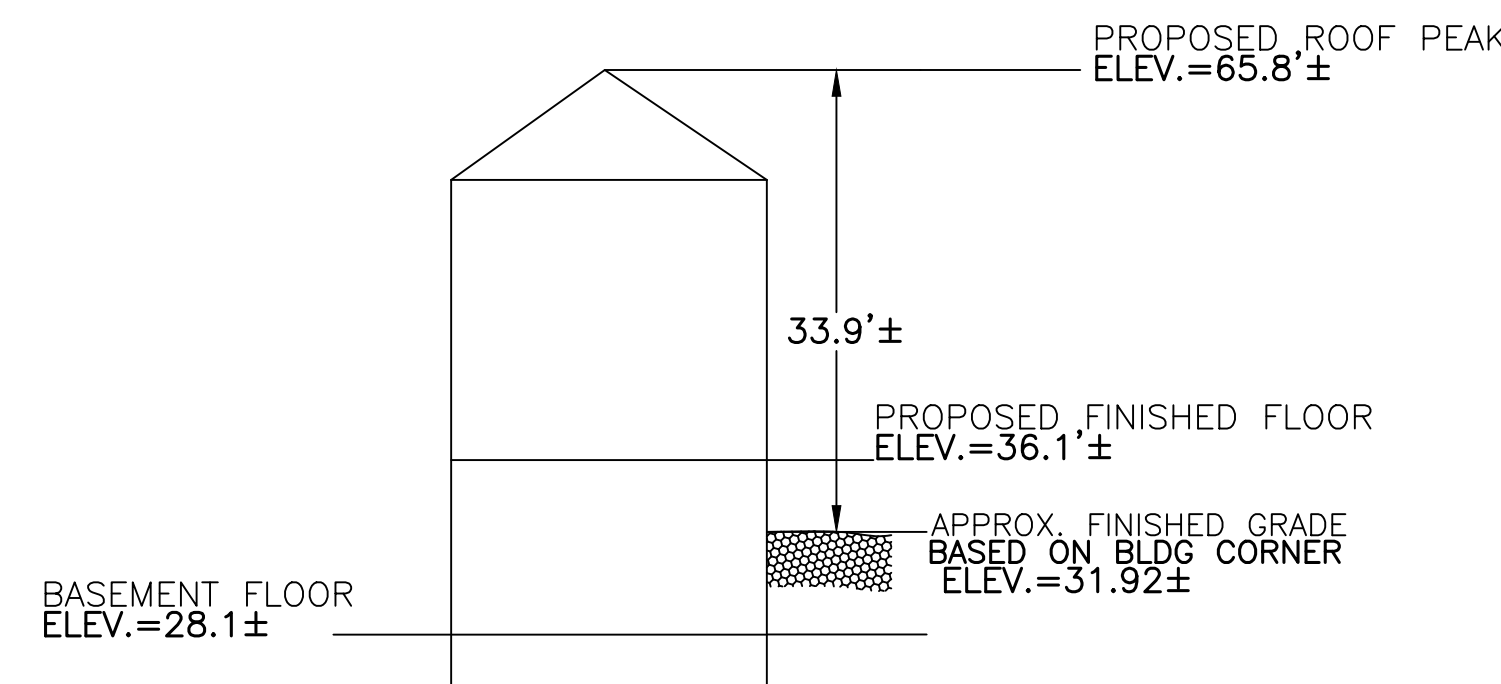
PROPOSED FIRST FLOOR ELEVATION  
TO BE VERIFIED BY ARCHITECT  
PRIOR TO ANY CONCRETE BEING  
POURED.

**TREE SIZES  
PROVIDED BY  
APPLICANT**



| LEGEND |                           |
|--------|---------------------------|
|        | BOUND                     |
|        | IRON PIN/PIPE             |
|        | STONE POST                |
|        | TREE                      |
|        | TREE STUMP                |
|        | SHRUBS/FLOWERS            |
|        | SIGN                      |
|        | BOLLARD                   |
|        | SEWER MANHOLE             |
|        | DRAIN MANHOLE             |
|        | CATCH BASIN               |
|        | WATER MANHOLE             |
|        | WATER VALVE               |
|        | HYDRANT                   |
|        | GAS VALVE                 |
|        | ELECTRIC MANHOLE          |
|        | ELECTRIC HANDHOLE         |
|        | UTILITY POLE              |
|        | LIGHT POLE                |
|        | MANHOLE                   |
|        | SPOT GRADE                |
|        | TOP OF WALL               |
|        | BOTTOM OF WALL            |
|        | EXISTING BUILDING         |
|        | RETAINING WALL            |
|        | STONE WALL                |
|        | FENCE                     |
|        | TREE LINE                 |
|        | SEWER LINE                |
|        | DRAIN LINE                |
|        | WATER LINE                |
|        | GAS LINE                  |
|        | UNDERGROUND ELECTRIC LINE |
|        | OVERHEAD WIRES            |
|        | CONTOUR LINE (MJR)        |
|        | CONTOUR LINE (MNR)        |

| TREE   |            |               |
|--------|------------|---------------|
| TREE # | SIZE (DBH) | REMOVAL/SAVE  |
| 1      | 18.0"      | TO BE REMOVED |
| 2      | 13.0"      | TO BE REMOVED |
| 3      | 16.0"      | TO BE REMOVED |
| 4      | 9.0"       | TO BE REMOVED |
| 5      | 10.0"      | TO BE REMOVED |
| 6      | 14.0"      | TO BE REMOVED |
| 7      | 14.0"      | TO BE REMOVED |
| 8      | 16.0"      | TO BE REMOVED |



PROPOSED PROFILE  
NOT TO SCALE



Spruhan  
Engineering, P.C.

80 JEWETT ST, (SUITE 1)  
NEWTON, MA 02458

Tel: 617-816-0722  
Email: [edmond@spruhaneng.com](mailto:edmond@spruhaneng.com)

19 KIMBALL BEACH  
ROAD  
HINGHAM  
MASSACHUSETTS

CIVIL PLANS

REVISION BLOCK

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|              |           |
|--------------|-----------|
| DATE:        | 1/13/2026 |
| DRAWN BY:    | Y.L       |
| CHECKED BY:  | G.B       |
| APPROVED BY: | C.C       |

CIVIL PLAN I

SHEET 1 OF 5

GENERAL NOTES

1. THE CONTRACTOR SHALL REPORT TO THE OWNER AND ENGINEER OF ANY SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS FROM THOSE SHOWN ON THESE PLANS. ANY PROPOSED REVISIONS TO THE WORK, IF REQUIRED BY THESE SITE CONDITIONS, SHALL NOT BE UNDERTAKEN UNTIL REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER.
2. IN ORDER TO PROTECT THE PUBLIC SAFETY DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING AT ALL TIMES ALL NECESSARY SAFETY DEVICES AND PERSONNEL, WARNING LIGHTS, BARRICADES, AND POLICE OFFICERS.
3. ALL WORK SHALL CONFORM TO TOWN OF HINGHAM GENERAL CONSTRUCTION STANDARDS.
4. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO A LEGAL DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTITUTE EROSION CONTROL MEASURES ON AN AS NECESSARY BASIS, SUCH THAT EXCESSIVE SOIL EROSION DOES NOT OCCUR.
6. THE LOCATION OF UNDERGROUND UTILITIES AS REPRESENTED ON THESE PLANS IS BASED UPON PLANS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES OR MUNICIPAL DEPARTMENTS SUPPLEMENTED BY FIELD IDENTIFICATION WHEREVER POSSIBLE. NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. THE CONTRACTOR SHALL CONTRACT DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. DIG SAFE TELEPHONE NUMBER IS 1-800-322-4844.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO TAPPING INTO, CROSSING OR EXTENDING THEM. IF THE NEW WORK POSES A CONFLICT WITH EXISTING UTILITIES, THE ENGINEER SHALL BE NOTIFIED PRIOR TO THE CONTRACTOR CONTINUING.
8. NO LEDGE, BOULDERS, OR OTHER UNYIELDING MATERIALS ARE TO BE LEFT WITHIN 6" OF THE WATER IN THE TRENCH, NOR ARE THEY TO BE USED FOR BACKFILL FOR THE FIRST 12" ABOVE THE PIPES.
9. PAVEMENT AREA SHALL BE PAVED TO A THICKNESS AS SHOWN ON THE PLANS MEASURED AFTER COMPACTION, WITH A BINDER COURSE AND TOP COURSE OF CLASS 1 BITUMINOUS CONCRETE PAVEMENT, TYPE 1-1.
10. BASE MATERIAL SHALL BE CLEAN BANK RUN GRAVEL, CONFORMING TO M.D.P.W. M1.03.1, WITH NO STONES LARGER THAN THREE (3) INCHES IN DIAMETER AND SHALL BE PLACED AND ROLLED WITH AT LEAST A TEN TON ROLLER. THE SURFACES SHALL BE WET DURING ROLLING TO BIND THE MATERIAL. ALL STONES OF 4" DIAMETER OR LARGER SHALL BE REMOVED FROM THE SUB-BASE PRIOR TO PLACING BASE MATERIAL.
11. ALL EXISTING PAVING TO BE DISTURBED SHALL BE CUT ALONG A STRAIGHT LINE THROUGH ITS ENTIRE THICKNESS. BUT THE NEW PAVING INTO THE EXISTING PAVEMENT TO REMAIN.
12. ANY PAVEMENT REMOVED FOR UTILITY TRENCH EXCAVATION OR OTHERWISE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING PAVEMENT OR SHALL BE REPLACED WITH A BINDER (BASE COURSE) NOT LESS THAN 3" IN DEPTH AND THE TOP COURSE SHALL BE 1-1/2" IN DEPTH. THE MINIMUM TOTAL THICKNESS OF BOTH COURSES, MEASURED AFTER ROLLING, SHALL BE 4-1/2".
13. THE CONTRACTOR SHALL APPLY FOR A STREET OPENING AND UTILITY CONNECTION PERMITS AND SIDEWALK CROSSING PERMIT WITH THE TOWN OF HINGHAM DPW.
14. CONTRACTOR TO ENSURE THAT ALL SURFACE WATER IS DIVERTED AWAY FROM BUILDING FOUNDATION DURING FINAL GRADING.

BACKFLOW PREVENTERS  
MUST BE INSTALLED IN ALL  
NEW BASEMENT FIXTURES.

CONTRACTOR TO NOTIFY  
ENGINEER OF RECORD IF ANY  
GROUNDWATER IS FOUND DURING  
EXCAVATION/CONSTRUCTION

POWER BACKUP AND  
BACKFLOW PREVENTER MUST  
BE INSTALLED IN ALL SUMP  
PUMPS.

CONTRACTOR SHALL ENSURE  
THAT THE EXISTING AND  
PROPOSED FOUNDATIONS ARE  
NOT UNDERMINED BY THE  
PROPOSED INFILTRATION  
SYSTEMS

ALL SURFACE WATER RUNOFF  
SHALL BE DIRECTED AWAY FROM  
BUILDING FOUNDATION AND  
AWAY FROM NEIGHBORING  
PROPERTY.

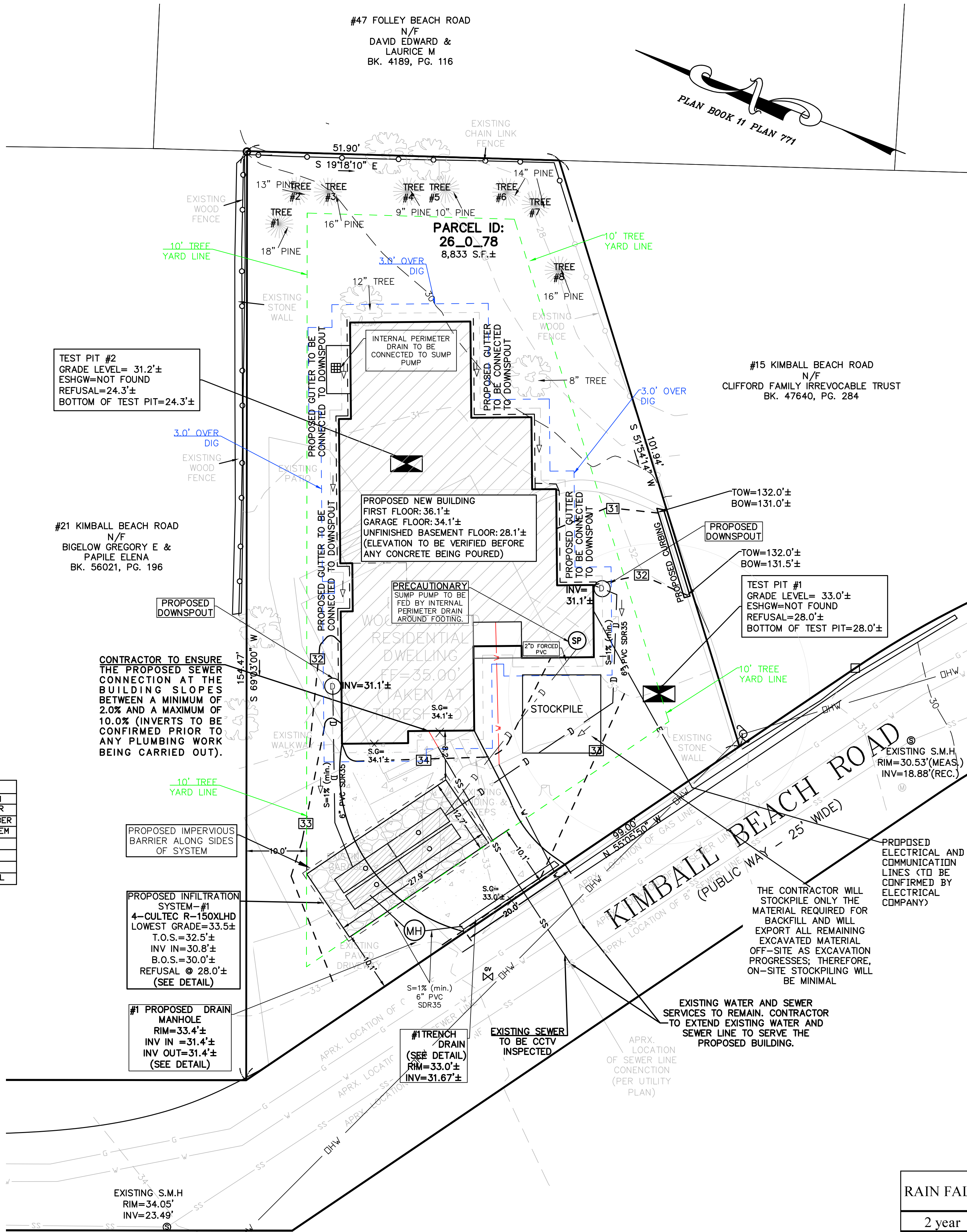
EXCAVATION FOR THE INFILTRATION  
SYSTEM MUST BE INSPECTED BY THE  
ENGINEER OF RECORD PRIOR TO  
INSTALLATION. THE ENGINEER MUST  
BE NOTIFIED AT LEAST 72 HOURS IN  
ADVANCE TO SCHEDULE THIS  
INSPECTION.

CONTRACTOR SHALL ENSURE  
THAT ALL DRAIN PIPES ARE  
INSTALLED WITH A MINIMUM  
SLOPE OF 1.0%.

DIG SAFE NUMBER: #20254702768.  
CONTRACTOR SHALL VERIFY ALL  
EXISTING UTILITIES PRIOR TO  
EXCAVATION AND COMPLY WITH ALL  
DIG SAFE REQUIREMENTS.

TREE SIZES  
PROVIDED BY  
APPLICANT

| LEGEND |                   |
|--------|-------------------|
| TDS    | TOP OF SYSTEM     |
| TDC    | TOP OF CHAMBER    |
| BDC    | BOTTOM OF CHAMBER |
| BDS    | BOTTOM OF SYSTEM  |
| ⊙      | DOWNSPOUT         |
| INV    | INVERT            |
| TOW    | TOP OF WALL       |
| BOW    | BOTTOM OF WALL    |



LEGEND

|         |                           |
|---------|---------------------------|
| □       | BOUND                     |
| ○       | IRON PIN/PIPE             |
| ⊙       | STONE POST                |
| ⊙       | TREE                      |
| ⊙       | TREE STUMP                |
| ⊙       | SHRUBS/FLOWERS            |
| ⊙       | SIGN                      |
| ○       | BOLLARD                   |
| ⊙       | SEWER MANHOLE             |
| ⊙       | DOWNSPOUT                 |
| ⊙       | CATCH BASIN               |
| ⊙       | WATER MANHOLE             |
| ⊙       | WATER VALVE               |
| ⊙       | HYDRANT                   |
| ⊙       | GAS VALVE                 |
| ⊙       | ELECTRIC MANHOLE          |
| ⊙       | ELECTRIC HANDHOLE         |
| ⊙       | UTILITY POLE              |
| ⊙       | LIGHT POLE                |
| ⊙       | MANHOLE                   |
| × 48.00 | SPOT GRADE                |
| TW      | TOP OF WALL               |
| BW      | BOTTOM OF WALL            |
| ▨       | EXISTING BUILDING         |
| ▨       | RETAINING WALL            |
| ▨       | STONE WALL                |
| ○       | FENCE                     |
| —       | TREE LINE                 |
| —       | SEWER LINE                |
| —       | DRAIN LINE                |
| —       | WATER LINE                |
| —       | GAS LINE                  |
| —       | UNDERGROUND ELECTRIC LINE |
| —       | OVERHEAD WIRES            |
| 145     | CONTOUR LINE (MJR)        |
| 146     | CONTOUR LINE (MNR)        |

| DEEP OBSERVATION HOLE LOG     |                  |                    |                       |                   |        |           |                     |       |     |
|-------------------------------|------------------|--------------------|-----------------------|-------------------|--------|-----------|---------------------|-------|-----|
| DEEP OBSERVATION HOLE NUMBER: |                  |                    |                       | GROUND ELEVATION: |        |           |                     |       |     |
| 1P-1                          |                  |                    |                       | ---               |        |           |                     |       |     |
| Depth (ft)                    | Horizontal Layer | Matrix Color-Moist | Redoximetric Features | Texture (USDA)    | Gravel | Structure | Consistency (Moist) | Other |     |
| 0-18                          | Ap               | 10 YR 5            | ---                   | SANDY LOAM        | ---    | ---       | CRB                 | FRI   | --- |
| 18-36                         | Bw               | 10 YR 5            | ---                   | LOAMY SAND        | ---    | ---       | GRAN                | V FRI | 1   |
| 36-60                         | C                | 10 YR 5            | ---                   | LOAMY SAND        | ---    | ---       | GRAN                | V FRI | 2   |
| ---                           | ---              | ---                | ---                   | ---               | ---    | ---       | ---                 | ---   | --- |

- NOTES:  
1. SHALE ROCK OBSERVED THROUGHOUT  
2. REFUSAL @ 60"  
3. LOGGED BY ALFONSO KOKA, SE14000 ON 12/06/2025

| DEEP OBSERVATION HOLE LOG     |                  |                    |                       |                   |        |           |                     |       |     |
|-------------------------------|------------------|--------------------|-----------------------|-------------------|--------|-----------|---------------------|-------|-----|
| DEEP OBSERVATION HOLE NUMBER: |                  |                    |                       | GROUND ELEVATION: |        |           |                     |       |     |
| 1P-2                          |                  |                    |                       | ---               |        |           |                     |       |     |
| Depth (ft)                    | Horizontal Layer | Matrix Color-Moist | Redoximetric Features | Texture (USDA)    | Gravel | Structure | Consistency (Moist) | Other |     |
| 0-20                          | Ap               | 10 YR 5            | ---                   | SANDY LOAM        | ---    | ---       | CRB                 | FRI   | --- |
| 20-36                         | Bw               | 10 YR 5            | ---                   | LOAMY SAND        | ---    | ---       | GRAN                | V FRI | --- |
| 36-60                         | C                | 10 YR 5            | ---                   | LOAMY SAND        | ---    | ---       | GRAN                | V FRI | 1   |
| ---                           | ---              | ---                | ---                   | ---               | ---    | ---       | ---                 | ---   | --- |

- NOTES:  
1. NO REDOX OBSERVED  
2. REFUSAL @ 80"  
3. LOGGED BY ALFONSO KOKA, SE14000 ON 12/06/2025

CUT & FILL CALCULATIONS

| VOLUME (CF)    |            |
|----------------|------------|
| CUT            | 9,824.12 ± |
| FILL           | 2,590.53 ± |
| TOTAL (EXPORT) | 7,233.59 ± |

| RAIN FALL | RUNOFF RATE |          | VOLUME OF RUNOFF |          |
|-----------|-------------|----------|------------------|----------|
|           | EXISTING    | PROPOSED | EXISTING         | PROPOSED |
| 2 year    | 0.23        | 0.02     | 766              | 66       |
| 10 year   | 0.35        | 0.11     | 1,328            | 304      |
| 25 year   | 0.44        | 0.31     | 1,755            | 617      |
| 100 year  | 0.67        | 0.64     | 2,504            | 1,213    |



Spruhan  
Engineering, P.C.

80 JEWETT ST. (SUITE 1)  
NEWTON, MA 02458

Tel: 617-816-0722  
Email: edmond@spruhaneng.com

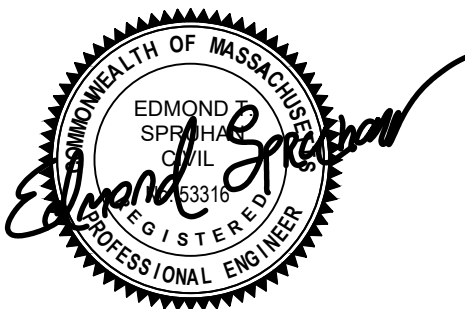
19 KIMBALL BEACH  
ROAD  
HINGHAM  
MASSACHUSETTS

CIVIL PLANS

REVISION BLOCK

| BY | DESCRIPTION               | DATE      |
|----|---------------------------|-----------|
| YL | UPDATED PER TOWN COMMENTS | 1.29.2026 |
| YL | UPDATED PER TOWN COMMENTS | 3.3.2026  |
| YL | UPDATED PER W.W UPDATED   | 6.3.2026  |

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|--------------|------------|
| DATE:        | 01/13/2026 |
| DRAWN BY:    | Y.L.       |
| CHECKED BY:  | E.S.       |
| APPROVED BY: | E.S.       |

CIVIL PLAN II

SHEET 2 OF 5





80 JEWETT ST, (SUITE 1)  
NEWTON, MA 02458

Tel: 617-816-0722  
Email: [edmond@spruhanenq.com](mailto:edmond@spruhanenq.com)

CIVIL PLANS

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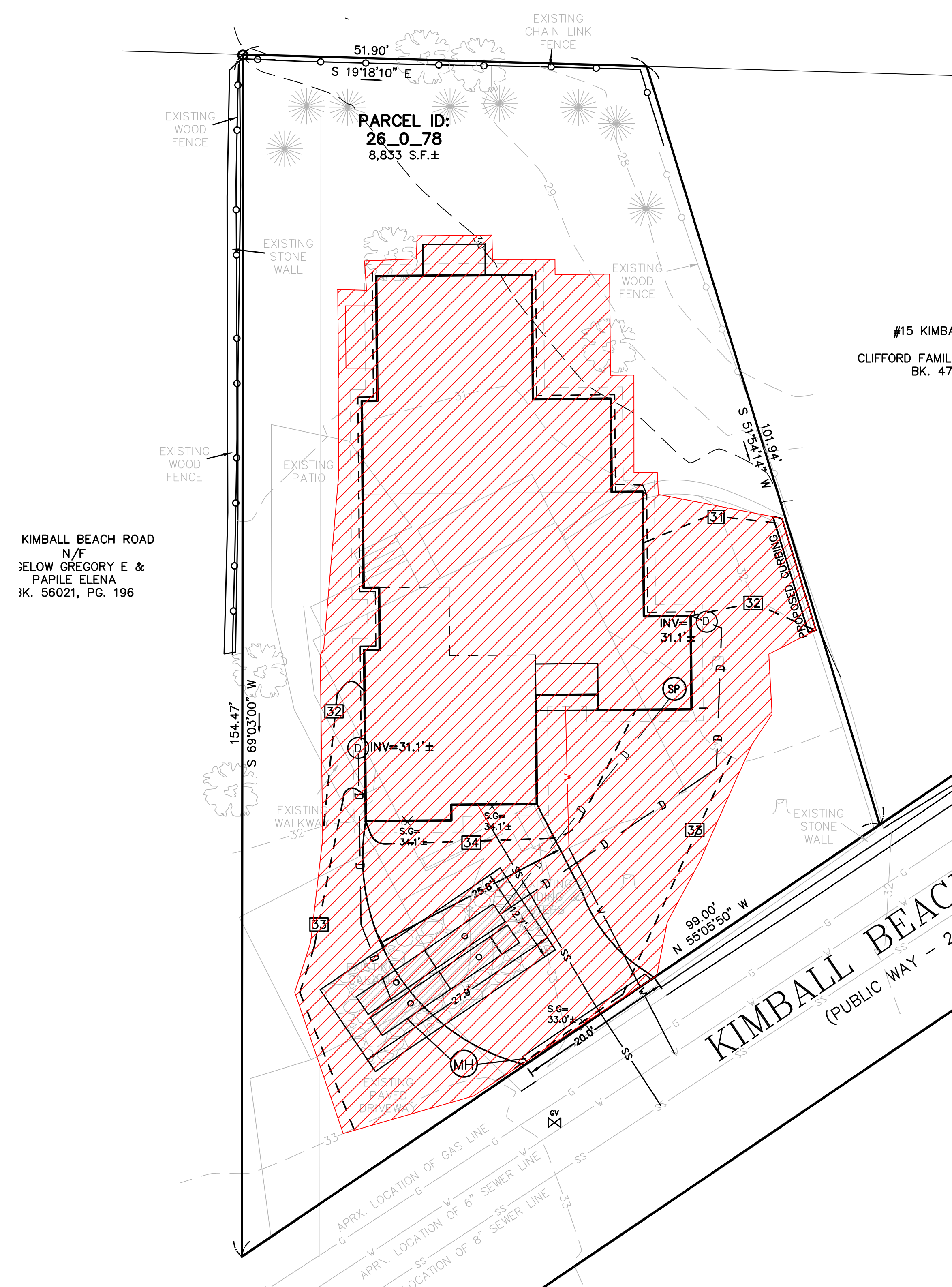
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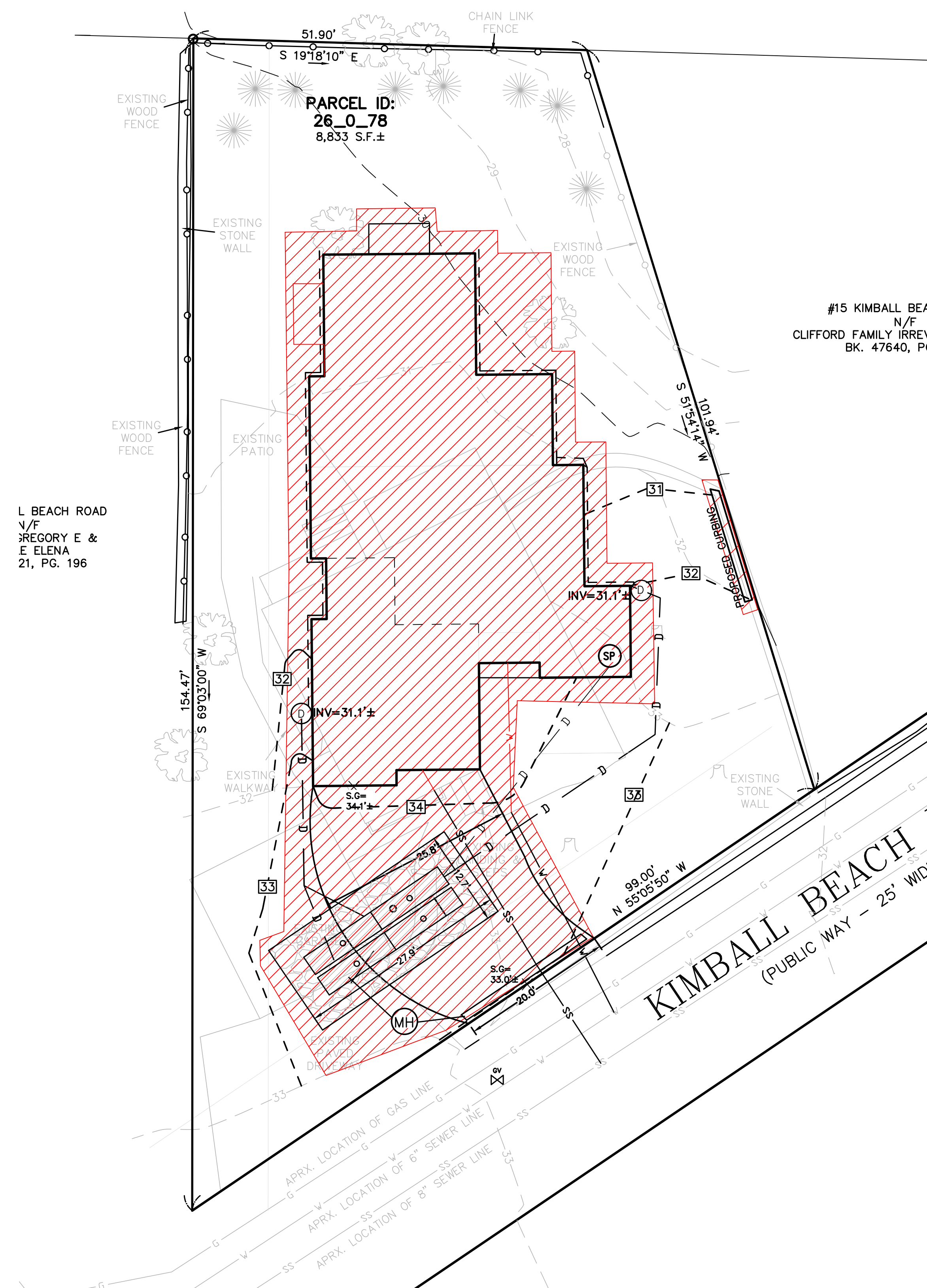
|              |            |
|--------------|------------|
| DATE:        | 01/13/2026 |
| DRAWN BY:    | Y.L        |
| CHECKED BY:  | E.S        |
| APPROVED BY: | E.S        |

LAND DISTURBANCE  
PLAN

SHEET 4 OF 5



OVERALL LAND DISTURBANCE = 4,992.75 S.F



PERMANENT LAND DISTURBANCE = 4,062.77 S.F

1. THE EROSION CONTROL PLANS IN THIS SET SHALL BE REVIEWED AND IMPLEMENTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL WORK WITH THE PROJECT'S ENGINEER THROUGHOUT CONSTRUCTION TO ENSURE THE SITE IS PROPERLY PROTECTED FROM POSSIBLE POLLUTANTS. THE ENGINEER HAS AUTHORIZATION TO ADD OR REMOVE BMP MEASURES THROUGHOUT CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SITE EROSION CONTROL AT ALL TIMES.
3. IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND THE PERMITTEE TO ENSURE THAT EROSION DOES NOT OCCUR FROM ANY ACTIVITY DURING OR AFTER PROJECT CONSTRUCTION. ADDITIONAL MEASURES, BEYOND THOSE SPECIFIED, WILL BE REQUIRED BY THE PLANNING DIRECTOR AS DEEMED NECESSARY TO CONTROL ACCELERATED EROSION.
4. AT THE END OF EACH WORKDAY, AT THE END OF EACH WORKWEEK, THE CONTRACTOR SHALL IMPLEMENT ALL TEMPORARY MEASURES NECESSARY TO PREVENT EROSION AND SILTATION, UNTIL THE PROJECT HAS BEEN FINALIZED. THESE MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, DIRECT SEEDING OF THE AFFECTED AREAS, STRAW MULCHING, AND/OR INSTALLATION OF STRAW BALES DAMS/SILT FENCES.
5. DURING CONSTRUCTION, NO TURBID WATER SHALL BE PERMITTED TO LEAVE THE SITE. USE OF SILT AND GREASE TRAPS, FILTER BERMS, HAY BALES OR SILT FENCES SHALL BE USED TO PREVENT SUCH DISCHARGE.
6. ALL AREAS ON- AND OFF-SITE EXPOSED DURING CONSTRUCTION ACTIVITIES, IF NOT PERMANENTLY LANDSCAPED PER PLAN, SHALL BE PROTECTED BY MULCHING AND/OR SEEDING.
7. ALL EXCAVATED MATERIAL SHALL BE REMOVED TO AN APPROVED DISPOSAL SITE OR DISPOSED OF ON-SITE IN A MANNER THAT WILL NOT CAUSE EROSION.
8. ANY MATERIAL STOCKPILED, FOR LONGER THAN 14 DAYS, DURING CONSTRUCTION SHALL BE COVERED WITH PLASTIC.
9. UPON COMPLETION OF CONSTRUCTION, ALL REMAINING EXPOSED SOILS SHALL BE PERMANENTLY REVEGETATED.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ADDITIONAL MEASURES NECESSARY TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF-SITE ARE IMPLEMENTED.
11. ALL SPILLS AND/OR LEAKS SHALL BE IMMEDIATELY CLEANED UP AND MITIGATED.

1. LOCATE/MARK ANY UTILITIES.
2. CHECK ALL PERMITS.
3. OBTAIN COMPOST MEETING SPECIFICATIONS.
4. OBTAIN FILTER SOCK NETTING.
5. FILL FILTER SOCK NETTING WITH COMPOST.
6. MARK OUT AREA FOR FILTER SOCK; ORIENT LENGTH OF SOCK PARALLEL TO THE SLOPE SO THAT THE RUNOFF ENTERS AS SHEET FLOW.
7. IN HIGH-FLOW OR STEEP-SLOPE AREAS, ORIENT A SECOND SOCK PARALLEL TO THE FIRST TO DISSIPATE FLOWS.
8. LAY FILTER SOCK NETTING OUT AS PLANNED.
9. FILL FILTER SOCK WITH COMPOST.
10. STAKE FILTER SOCK EVERY 10 FT. STAKES SHOULD BE DRIVEN THROUGH THE CENTER OF THE SOCK, AND DRIVEN INTO THE GROUND.
11. IF SOCK NETTING IS NOT AVAILABLE, FIT BEGINNING OF THE NEW SOCK OVER THE END OF THE OLD SOCK, OVERLAPPING BY 1-2
- ft. FILL WITH COMPOST; THEN STAKE THE JOIN.

INSPECT FILTER SOCKS PERIODICALLY, AND ESPECIALLY AFTER LARGE STORM EVENTS. ENSURE THAT THE FILTER SOCK IS INTACT, AND THAT THE AREA UPSTREAM HAS NOT FILLED WITH SEDIMENT. IF THE UPSTREAM AREA HAS FILLED WITH SEDIMENT, OR IF THE FILTER SOCK HAS BEEN OVERTOPPED, INSTALL ADDITIONAL FILTER SOCKS FURTHER UPSTREAM. SEDIMENT BEHIND THE SOCK SHOULD BE REMOVED WHEN THE DEPTH OF THE SEDIMENT REACHES 3.25-IN. FOR AN 8-IN. SOCK, 4.75-IN. FOR A 12-IN. SOCK AND 7.25-IN. FOR AN 18-IN. SOCK. FOR SOCKS WITH GREATER DIAMETERS, REMOVE SEDIMENT BEHIND THE SOCK WHEN THE ACCUMULATED SEDIMENT DEPTH REACHES 40 PERCENT OF THE DESIGN DIAMETER OF THE SOCK.

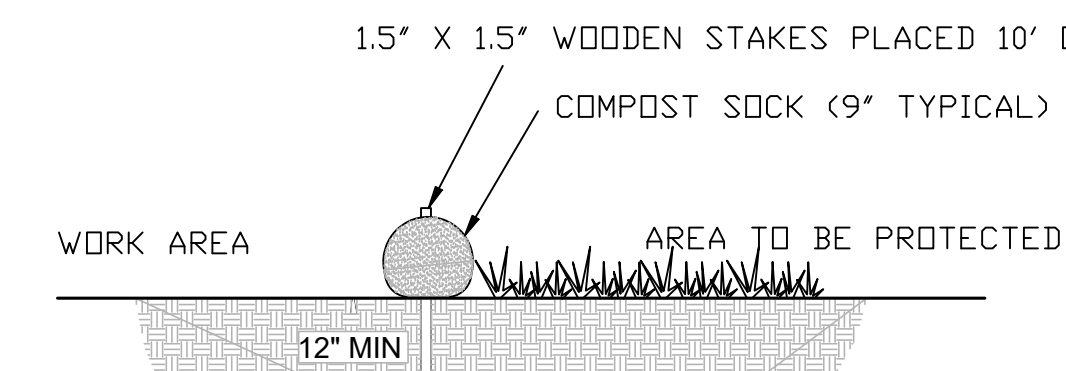


Diagram illustrating the installation of a compost sock for erosion control:

- 1.5" X 1.5" WOODEN STAKES PLACED 10' O.C.
- AREA TO BE PROTECTED
- COMPOST SOCK (9" TYPICAL)
- WATER FLOW
- WORK AREA

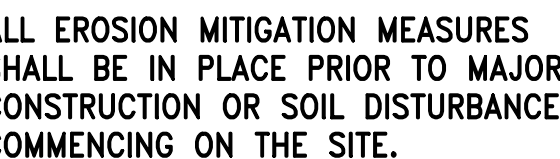
NOTES:

1. ALL MATERIAL TO MEET SPECIFICATIONS.
2. COMPOST SOCKS FILL TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FR FR COMPOST SOCK

( IN FEET )

1 inch = 10 ft.



- CONTAIN STOCKPILED MATERIALS SUCH AS MULCHES AND TOPSOIL WHEN THEY ARE NOT ACTIVELY BEING USED
- CONTAIN FERTILIZERS AND OTHER LANDSCAPE MATERIALS WHEN THEY ARE NOT ACTIVELY BEING USED.
- DISCONTINUE THE APPLICATION OF ANY ERODIBLE LANDSCAPE MATERIAL WITHIN 2 DAYS BEFORE A FORECASTED RAIN EVENT OR DURING PERIODS OF PRECIPITATION.
- APPLY ERODIBLE LANDSCAPE MATERIAL AT QUANTITIES AND APPLICATION RATES ACCORDING TO MANUFACTURE RECOMMENDATIONS OR BASED ON WRITTEN SPECIFICATIONS BY KNOWLEDGEABLE AND EXPERIENCED FIELD PERSONNEL.
- STACK ERODIBLE LANDSCAPE MATERIAL ON PALLETS AND COVERING OR STORING SUCH MATERIALS WHEN NOT BEING USED OR APPLIED.

|  |                           |
|--|---------------------------|
|  | BOUND                     |
|  | IRON PIN/PIPE             |
|  | STONE POST                |
|  | TREE                      |
|  | TREE STUMP                |
|  | SHRUBS/FLOWERS            |
|  | SIGN                      |
|  | BOLLARD                   |
|  | SEWER MANHOLE             |
|  | DRAIN MANHOLE             |
|  | CATCH BASIN               |
|  | WATER MANHOLE             |
|  | WATER VALVE               |
|  | HYDRANT                   |
|  | GAS VALVE                 |
|  | ELECTRIC MANHOLE          |
|  | ELECTRIC HANDHOLE         |
|  | UTILITY POLE              |
|  | LIGHT POLE                |
|  | MANHOLE                   |
|  | SPOT GRADE                |
|  | TOP OF WALL               |
|  | BOTTOM OF WALL            |
|  | EXISTING BUILDING         |
|  | RETAINING WALL            |
|  | STONE WALL                |
|  | FENCE                     |
|  | TREE LINE                 |
|  | SEWER LINE                |
|  | DRAIN LINE                |
|  | WATER LINE                |
|  | GAS LINE                  |
|  | UNDERGROUND ELECTRIC LINE |
|  | OVERHEAD WIRES            |
|  | CONTOUR LINE (MJR)        |
|  | CONTOUR LINE (MNR)        |

- ALL LOOSE STOCKPILED CONSTRUCTION MATERIALS THAT ARE NOT ACTIVELY BEING USED (I.E. SOIL, SPOILS, AGGREGATE, FLY-ASH, STUCCO, HYDRATED LIME, ETC.) SHALL BE COVERED AND BERMED.
- ALL CHEMICALS SHALL BE STORED IN WATERTIGHT CONTAINERS (WITH APPROPRIATE SECONDARY CONTAINMENT TO PREVENT ANY SPILLAGE OR LEAKAGE) OR IN A STORAGE SHED (COMPLETELY ENCLOSED).
- EXPOSURE OF CONSTRUCTION MATERIALS TO PRECIPITATION SHALL BE MINIMIZED. THIS DOES NOT INCLUDE MATERIALS AND EQUIPMENT THAT ARE DESIGNED TO BE OUTDOORS AND EXPOSED TO ENVIRONMENTAL CONDITIONS (I.E. POLES, EQUIPMENT PADS, CABINETS, CONDUCTORS, INSULATORS, BRICKS, ETC.).
- BEST MANAGEMENT PRACTICES TO PREVENT THE OFF-SITE TRACKING OF LOOSE CONSTRUCTION AND LANDSCAPE MATERIALS SHALL BE IMPLEMENTED.

- DISPOSAL OF ANY RINSE OR WASH WATERS OR MATERIALS ON IMPERVIOUS OR PERVIOUS SITE SURFACES OR INTO THE STORM DRAIN SYSTEM SHALL BE PREVENTED.
- SANITATION FACILITIES SHALL BE CONTAINED (E.G. PORTABLE TOILETS) TO PREVENT DISCHARGES OF POLLUTANTS TO THE STORM WATER DRAINAGE SYSTEM OR RECEIVING WATER, AND SHALL BE LOCATED A MINIMUM 20 FEET AWAY FROM AN INLET, STREET OR DRIVEWAY, STREAM, RIPARIAN AREA OR OTHER DRAINAGE FACILITY.
- SANITATION FACILITIES SHALL BE INSPECTED REGULARLY FOR LEAKS AND SPILLS AND CLEANED OR REPLACED AS NECESSARY.
- COVER WASTE DISPOSAL CONTAINERS AT THE END OF EVERY BUSINESS DAY AND DURING A RAIN EVENT.
- DISCHARGES FROM WASTE DISPOSAL CONTAINERS TO THE STORM WATER DRAINAGE SYSTEM OR RECEIVING WATER SHALL BE PREVENTED.
- STOCKPILED WASTE MATERIAL SHALL BE CONTAINED AND SECURELY PROTECTED FROM WIND AND RAIN AT ALL TIMES UNLESS ACTIVELY BEING USED.

PROCEDURES THAT EFFECTIVELY ADDRESS HAZARDOUS AND NON-HAZARDOUS SPILLS SHALL BE IMPLEMENTED. EQUIPMENT AND MATERIALS FOR CLEANUP OF SPILLS SHALL BE AVAILABLE ON SITE AND THAT SPILLS AND LEAKS SHALL BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY; AND

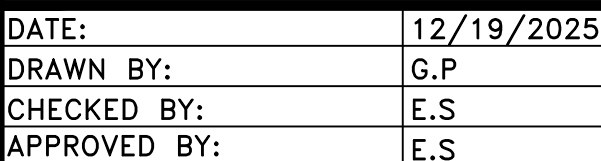
- CONCRETE WASHOUT AREAS AND OTHER WASHOUT AREAS THAT MAY CONTAIN ADDITIONAL POLLUTANTS SHALL BE CONTAINED SO THERE IS NO DISCHARGE INTO THE UNDERLYING SOIL AND ONTO THE SURROUNDING AREAS.



CIVIL PLANS

[illegible]

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