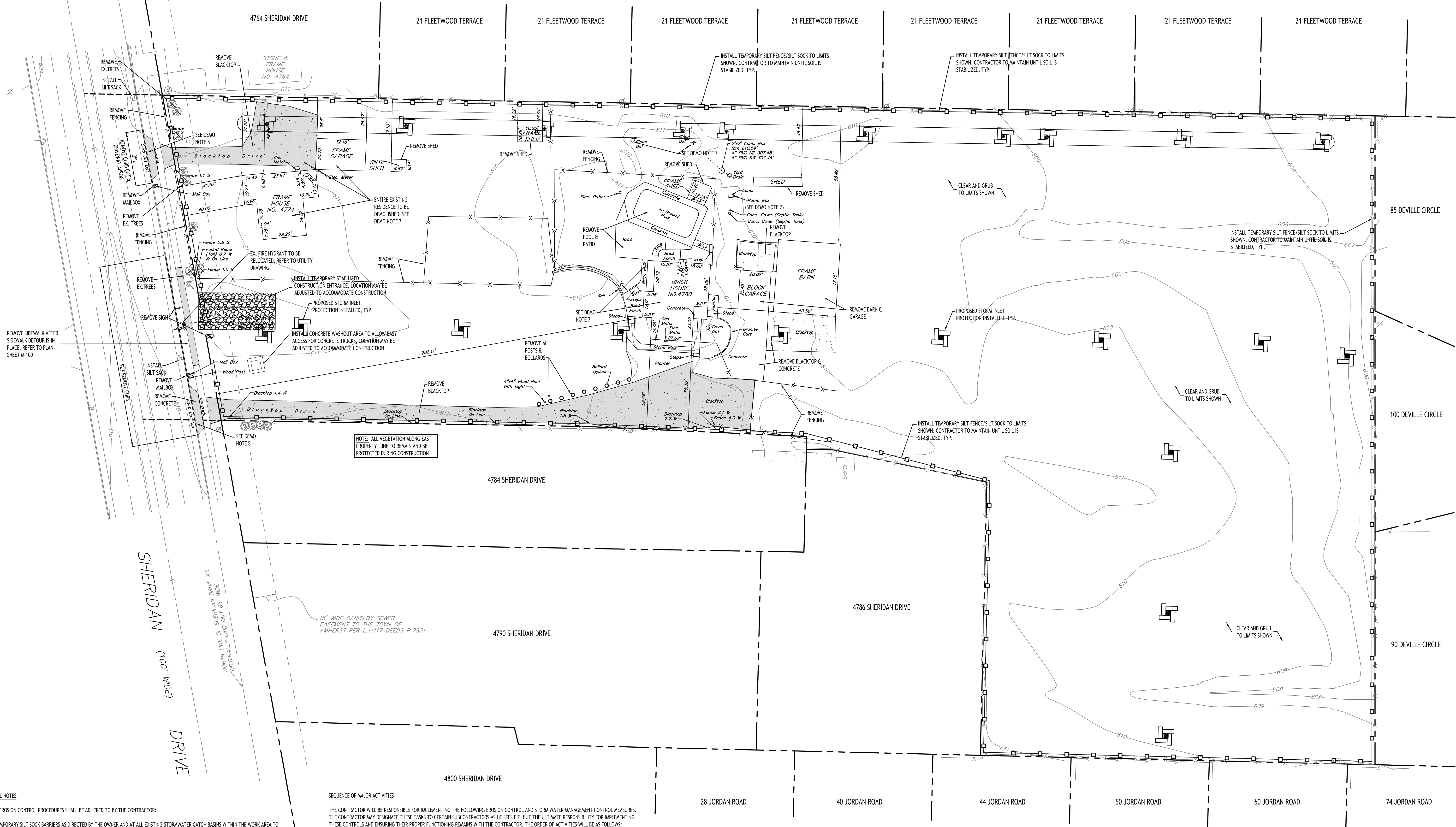


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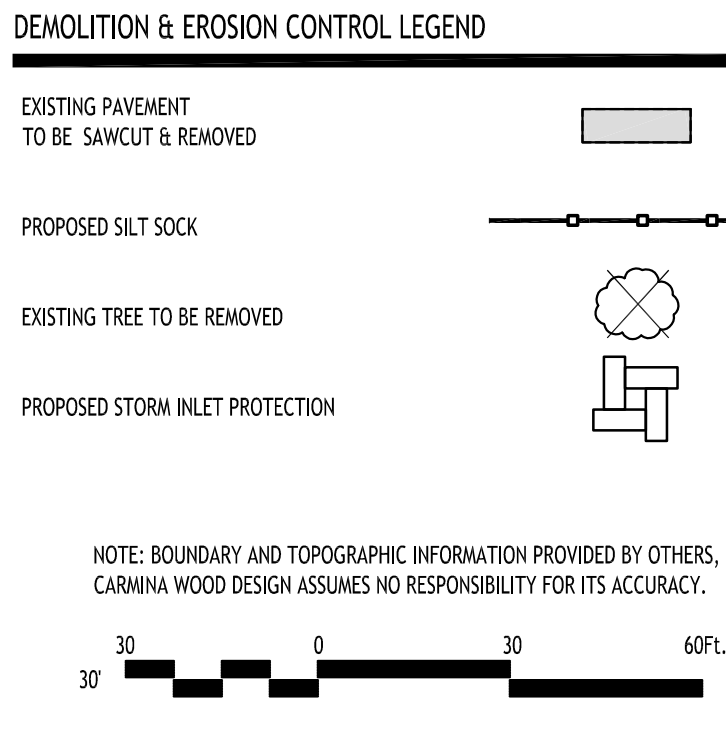


- EROSION CONTROL NOTES**
- THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR:
- INSTALL TEMPORARY SILT SOCK BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
  - TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
  - ALL SILT SOCK BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
  - THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER-SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND SPREAD WATER AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
  - DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
  - ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
  - THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN/CITY.
  - ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
  - INSTALL TEMPORARY SILT SOCK AROUND THE BASE OF STOCKPILES. STOCKPILES NOT BEING ACTIVELY USED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED.
  - THE PROFESSIONAL CERTIFYING COMPLIANCE TO NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS MUST INSPECT AT A MINIMUM WEEKLY, AND WHEN DISTURBING MORE THAN 5 ACRES TWICE A WEEK, AND SHALL PROVIDE THESE INSPECTION REPORT WITH A WRITTEN CERTIFICATION OF CONSTRUCTION COMPLIANCE TO THE TOWN OF AMHERST. (@BIWEEKLY).
  - THE ENGINEER OF RECORD FOR THIS PROJECT CERTIFIES THAT THESE DESIGN PLANS MEET THE REQUIREMENTS AND ARE IN COMPLIANCE WITH THE NEW YORK STORMWATER MANAGEMENT DESIGN MANUAL AND NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS.

- SEQUENCE OF MAJOR ACTIVITIES**
- THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORM WATER MANAGEMENT CONTROL MEASURES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS HE SEES FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
- INSTALL STABILIZED CONSTRUCTION ENTRANCE
  - INSTALL PERIMETER SILT FENCES/SILT SOCK IN THE LOCATIONS SHOWN ON THE DEMOLITION AND EROSION CONTROL PLAN SHEET.
  - CLEAR & GRUB SITE.
  - INSTALLATION OF UNDERGROUND DETENTION BASIN.
  - COMMENCE SITE GRADING.
  - DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
  - CONSTRUCTION OF BUILDINGS.
  - INSTALLATION OF PROPOSED UTILITIES.
  - FINALIZE PAVEMENT SUBGRADE PREPARATION.
  - CONSTRUCT ALL CURB, DRAINAGE INLETS, STORM SEWER PIPES AND STORM SEWER MANHOLES, AS SHOWN ON PLANS. INSTALL TEMPORARY INLET PROTECTION AT THE LOCATION OF ALL INLETS.
  - DUCT CONTROL.
  - REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
  - INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
  - CARRY OUT FINAL GRADING AND SEEDING AND PLANTINGS.
  - CLEAN STORM SYSTEM FOLLOWING CONSTRUCTION. CLEAN UNDERGROUND DETENTION BASIN AS PER MANUFACTURER RECOMMENDATIONS.
  - REMOVE SILT FENCE/SILT SOCK ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
  - REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS.

**Demolition & Erosion Control Plan**  
SCALE: 1"=30'

- DEMOLITION NOTES:**
- ALL PERIMETER SILT SOCK TO BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY BEGINNING.
  - CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
  - TEMPORARY SILT SOCK TO BE INSTALLED AS DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
  - AS NECESSARY, COVERED DUMPSTERS SHALL BE PROVIDED ONSITE AS REQUIRED FOR CONSTRUCTION WASTE.
  - REMOVE ALL TREES AND STUMPS AS SHOWN AND DISPOSE OF OFF SITE. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY. LOCATIONS OF TREES SHOWN ON PLAN ARE APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
  - EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE. EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

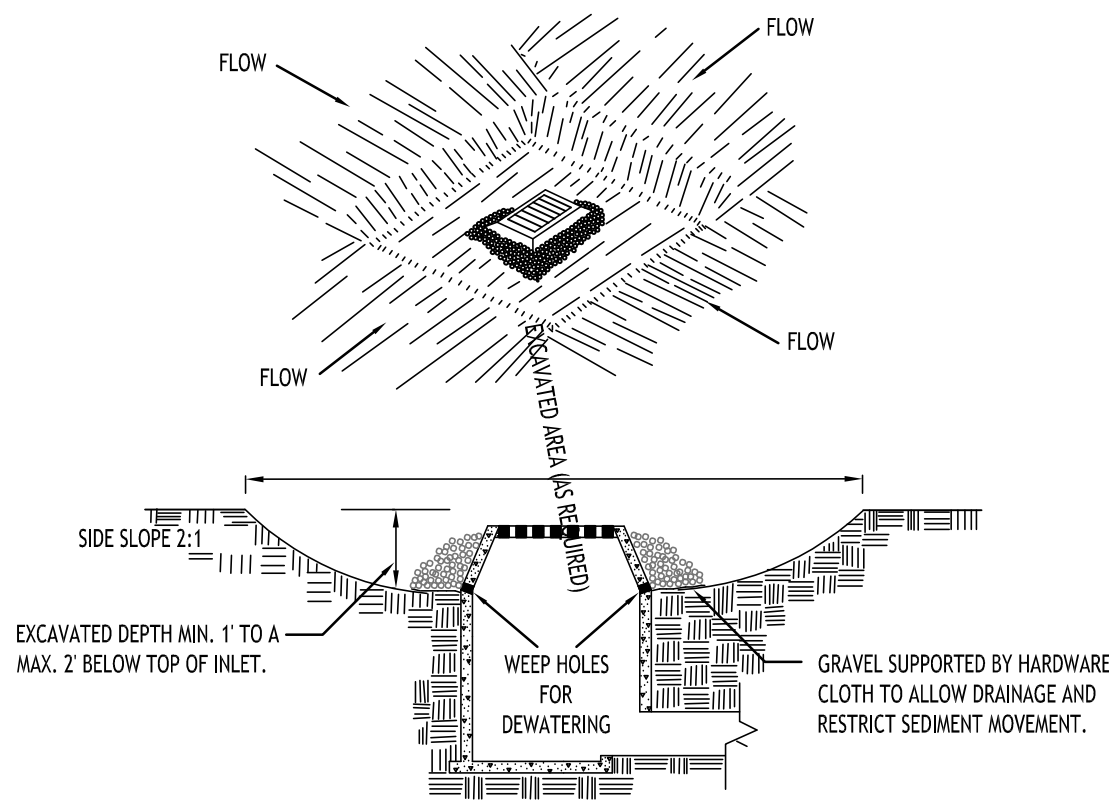


REVISIONS:	No.	Description	Date



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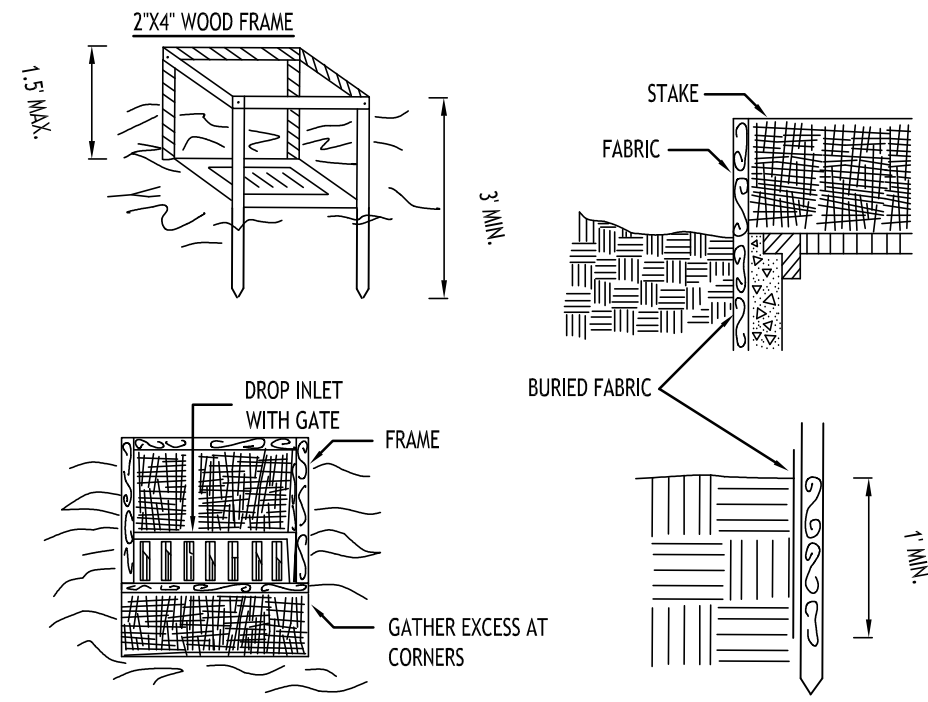


**CONSTRUCTION SPECIFICATIONS**

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
  - GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
  - WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
  - UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
- MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 1**

NOT TO SCALE

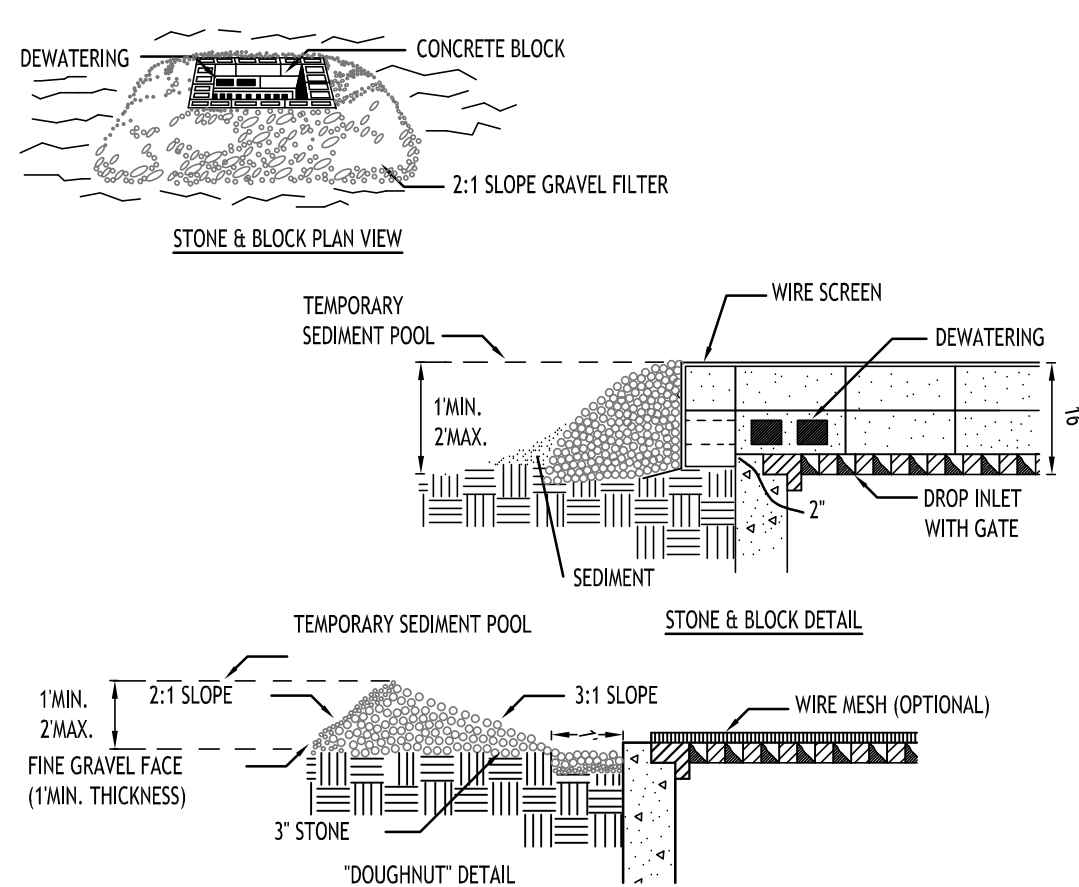


**CONSTRUCTION SPECIFICATIONS**

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
  - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
  - STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
  - SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
  - FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
  - A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 2**

NOT TO SCALE



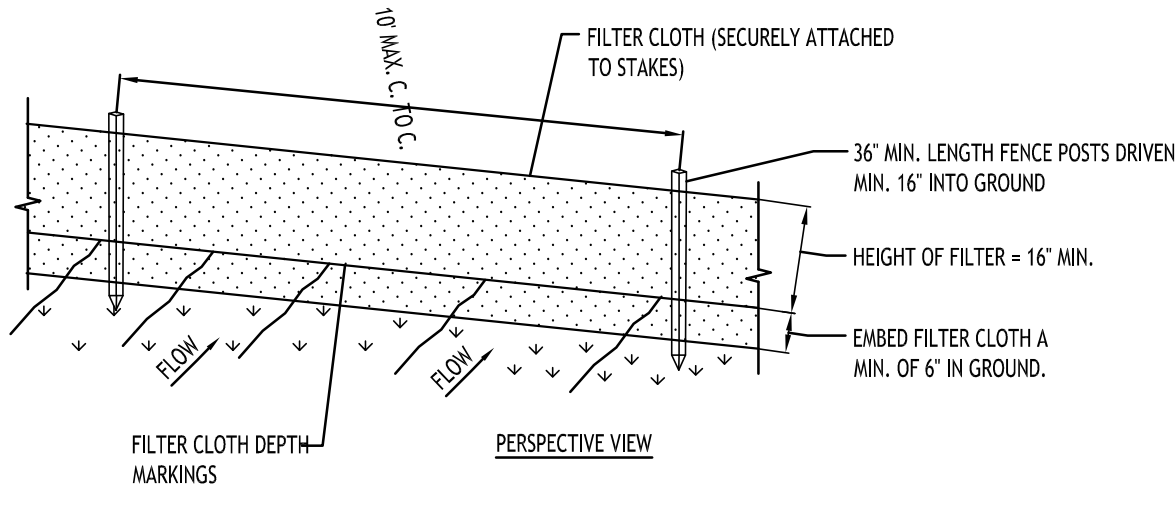
**CONSTRUCTION SPECIFICATIONS**

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
  - HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
  - USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
  - FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.
- MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 3**

NOT TO SCALE

NOTE: INSTALL ONE OF THE INLET PROTECTION OPTIONS SHOWN PRIOR TO CONSTRUCTION

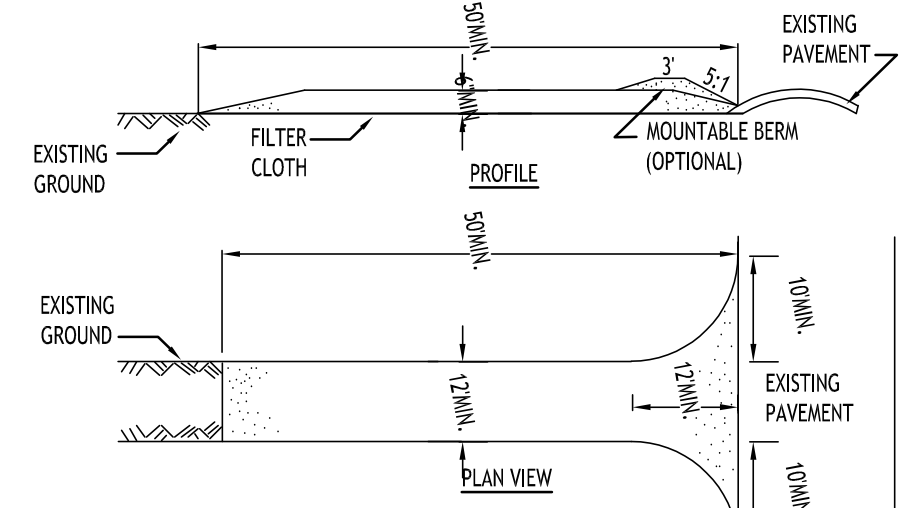


**CONSTRUCTION SPECIFICATIONS**

- MOVEN FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**SILT FENCE DETAIL**

NOT TO SCALE

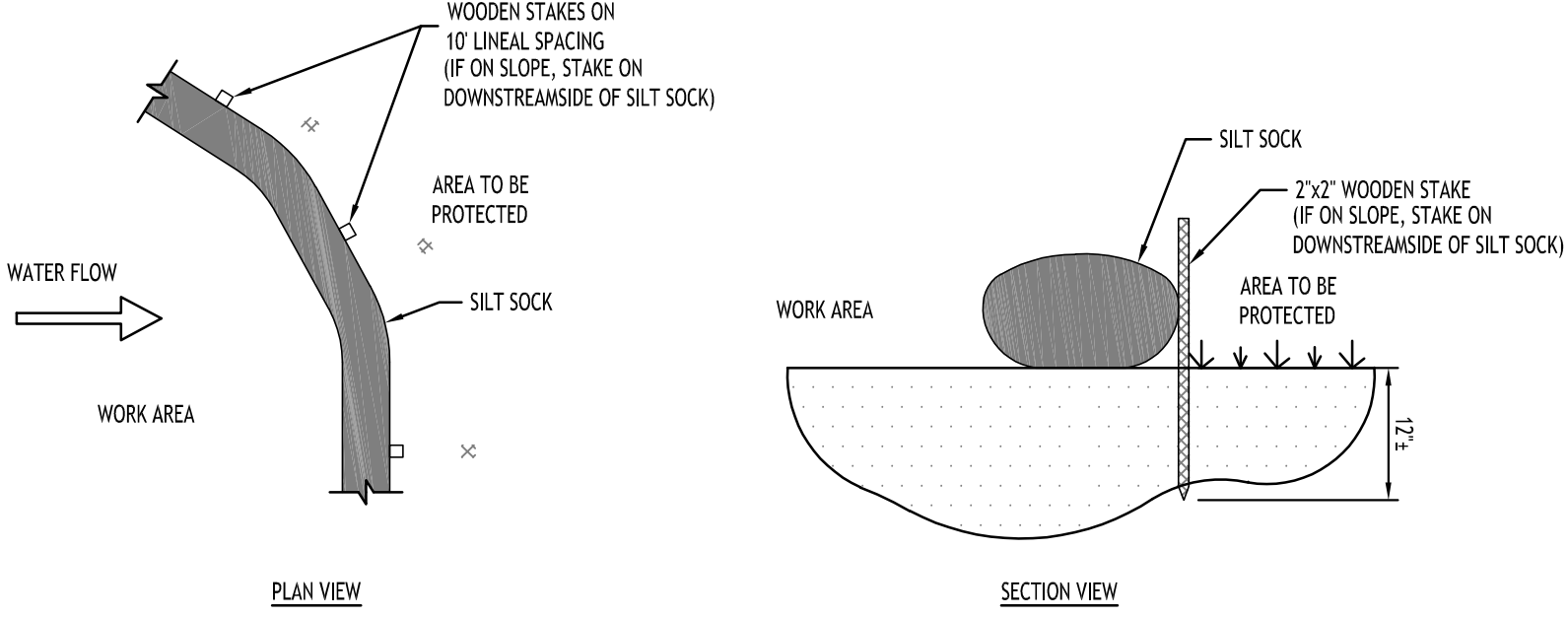


**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

NOT TO SCALE

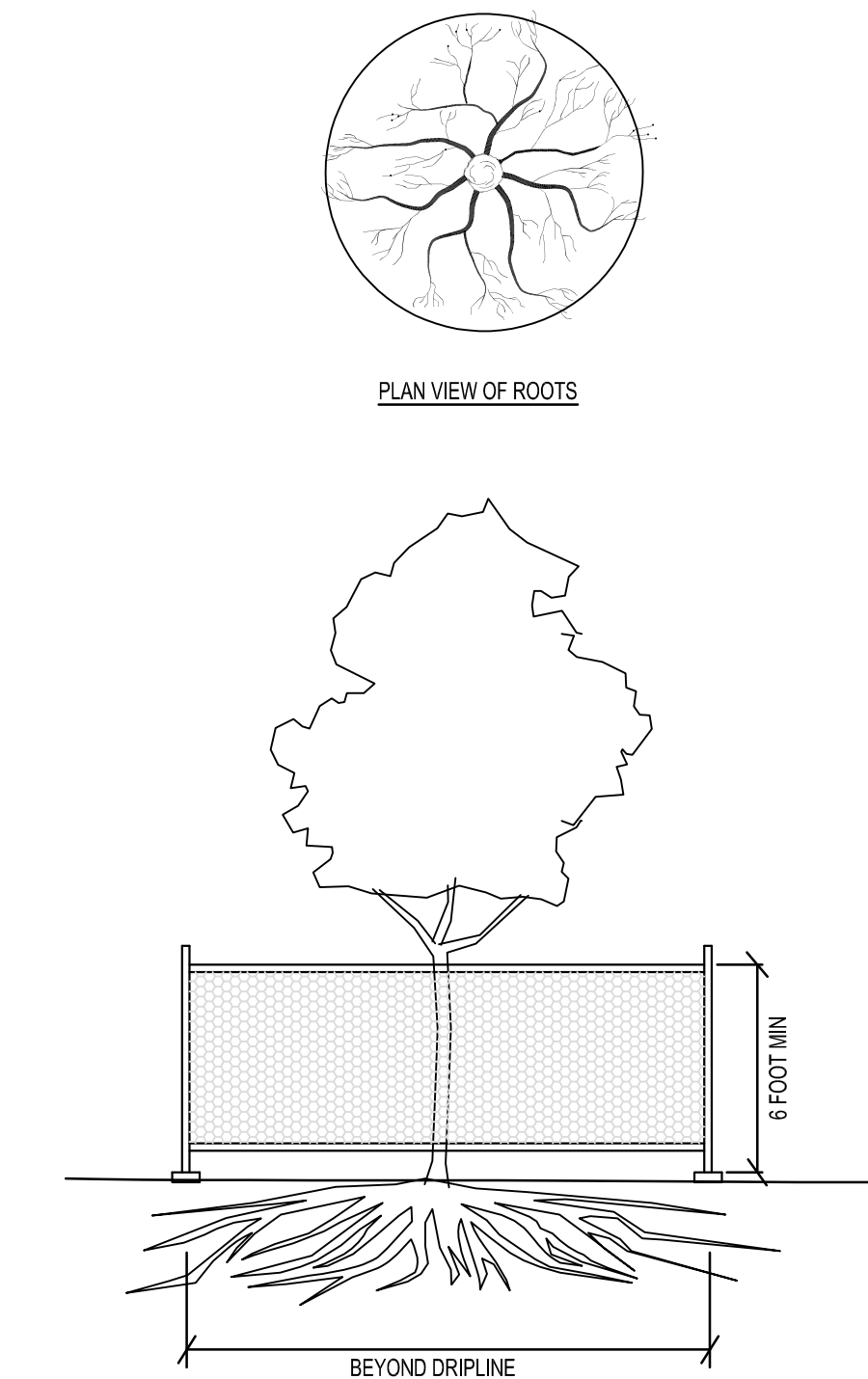


**CONSTRUCTION SPECIFICATIONS**

- CONTRACTOR SHALL INSPECT AND MAINTAIN SILT SOCK AS NEEDED DURING THE DURATION OF CONSTRUCTION PROJECT.
- CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK WHEN IT HAS REACHED 1/3 OF THE EXPOSED HEIGHT OF THE SILT SOCK. ALTERNATIVELY, RATHER THAN CREATE A SOIL DISTURBING ACTIVITY, THE ENGINEER MAY CALL FOR ADDITIONAL SILT SOCK TO BE ADDED AT AREAS OF HIGH SEDIMENTATION, PLACED IMMEDIATELY ON TOP OF THE EXISTING SEDIMENT LADEN SILT SOCK.
- SILT SOCK SHALL BE OVERLAPPED 12" AT JOINTS AND STAKED ON EACH SIDE OF THE SOCK AT A 45° ANGLE

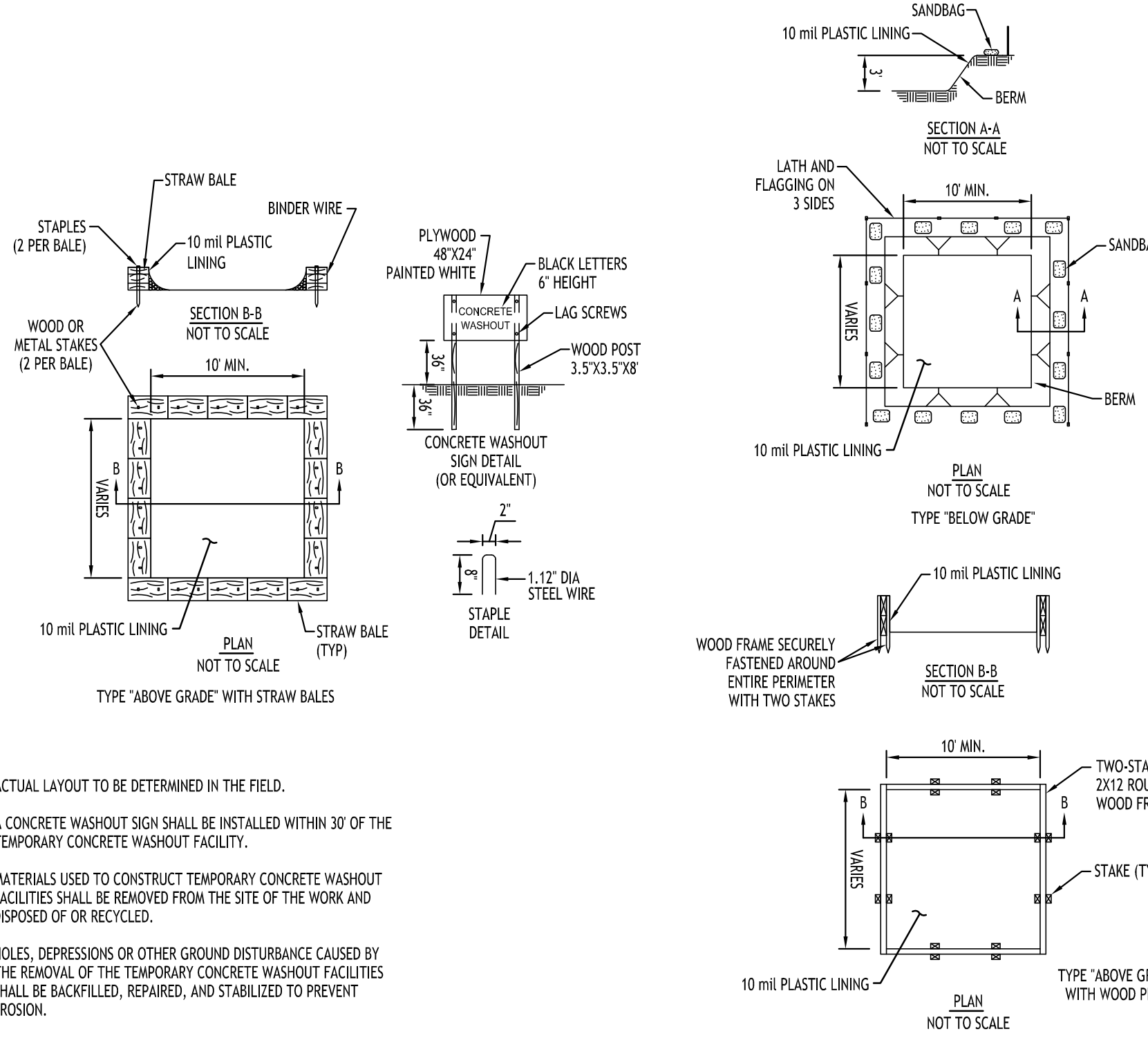
**SILT SOCK DETAIL**

NOT TO SCALE



**TREE PROTECTION DETAIL**

NOT TO SCALE



**NOTES**

- ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
- A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
- HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

**CONCRETE WASHOUT DETAIL**

NOT TO SCALE

**EXISTING TREE PROTECTION FENCE**

**MATERIALS**

- MATERIALS FOR TEMPORARY PLASTIC BARRIER FENCES SHALL MEET THE FOLLOWING REQUIREMENTS:
- FENCE: HIGH-DENSITY POLYETHYLENE MESH, ULTRAVIOLET-STABILIZED MIN. 2 YEARS; MINIMUM HEIGHT 4.0 FEET. COLOR: HIGH-VISIBILITY ORANGE OR GREEN, WHEN USED TO PROTECT TREES OR OTHER VEGETATION, COLOR SHALL BE HIGH-VISIBILITY ORANGE.
  - POSTS: RIGID METAL OR WOOD POSTS, MINIMUM LENGTH 6.0 FEET.
  - TIES: STEEL WIRE, #14 GAUGE OR NYLON CABLE TIES.
  - WARNING SIGNS: SHEET METAL, PLASTIC OR OTHER RIGID, WATERPROOF MATERIAL, 1.5 FEET BY 2.0 FEET WITH 4 INCH BLACK LETTERS ON A WHITE BACKGROUND. TEXT SHALL BE: "PROTECTED SITE - KEEP OUT" UNLESS OTHERWISE SPECIFIED.

**DETAILS**

- FENCES SHALL BE ERRECTED PRIOR TO MOVING CONSTRUCTION EQUIPMENT ONTO ANY AREA DESIGNATED FOR PROTECTION.
- THE LINE OF FENCES SHALL BE STAKED OR MARKED OUT ON THE GROUND BY THE CONTRACTOR AND APPROVED BY THE ENGINEER/OWNER BEFORE ANY FENCE IS INSTALLED. WHERE USED FOR PROTECTION OF INDIVIDUAL TREES, FENCE SHALL BE PLACED AT THE DROP LINE (EXTENT OF CANOPY), IF NOT POSSIBLE, PLACEMENT SHALL BE AS CLOSE TO THE DROP LINE AS POSSIBLE AND IN NO CASE LESS THAN 5.0 FEET AWAY FROM THE TREE TRUNK.
- ON APPROVAL OF THE STAKEOUT, POSTS SHALL BE SECURELY DRIVEN ON 6.0 FOOT-MAXIMUM CENTERS, NORMAL TO THE GROUND, TO A DEPTH 1/3 OF THE TOTAL POST LENGTH. PLASTIC BARRIER FENCE SHALL BE PLACED ALONG THE SIDE OF ALL POSTS. ENDS OF FENCING SEGMENTS SHALL OVERLAP A DISTANCE OF AT LEAST ONE HALF THE FENCE HEIGHT.
- FENCING SHALL BE SECURED TO POSTS WITH WIRE OR CABLE TIES AT TOP, MIDDLE AND BOTTOM OF POST. FASTENER SHALL BE TIGHT ENOUGH TO PREVENT THE FENCING FROM SLIPPING DOWN. OVERLAPS SHALL ALSO BE SECURELY FASTENED.
- BARRIER FENCE WHICH IS NOT ORANGE IN COLOR SHALL BE FLAGGED AT 6.0 FOOT INTERVALS WITH RED OR ORANGE FLORESCENT TAPE. WARNING SIGNS SHALL BE MOUNTED ON THE FENCE AT NO MORE THAN 100 FOOT INTERVALS.
- MAINTENANCE SHALL COMMENCE IMMEDIATELY AFTER ERECTION OF THE FENCE AND CONTINUE UNTIL ONE WEEK PRIOR TO ACCEPTANCE OF THE CONTRACT, AND SHALL CONSIST OF: REPLACING DAMAGED POST(S) AND FENCING; RE-FASTENING AND TIGHTENING FENCING; AND RESTORING FENCE TO ITS INTENDED HEIGHT.
- FENCING USED FOR TREE OR OTHER VEGETATION PROTECTION SHALL NOT BE TEMPORARILY REMOVED TO ALLOW EQUIPMENT ACCESS OVER A PROTECTED AREA, EXCEPT AS REQUIRED FOR ITEMS OF WORK SPECIFICALLY SHOWN ON THE PLANS AND APPROVED BY THE ENGINEER IN WRITING.

Revisions:	Date
No. Description	



**DRAWING NAME:**

**Demolition & Erosion Control Details**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

**DRAWING NO.:**

**C-002**

Project No: 23-4091

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**TOWN BOARD APPROVAL CONDITIONS - 2/5/24:**

1. THAT THE DENSITY OF THE PROJECT SITE SHALL NOT EXCEED 4.4 UNITS PER ACRE.
2. THAT THE USE OF THE PROJECT SITE TO BE REZONED FROM R-3 TO R-4 SHALL BE LIMITED TO TWO (2) UNIT ATTACHED TOWNHOMES ONLY.
3. THAT THE MAXIMUM ALLOWABLE HEIGHT OF ANY RESIDENTIAL BUILDING ON THE PROJECT SITE AS MEASURED FROM FINISHED GRADE SHALL BE THIRTY (30) FEET.
4. THAT THE PROJECT SITES CONTAMINATED SOIL BE REMEDIATED TO TRACK 1 UNRESTRICTED STANDARDS UNDER THE PURVIEW OF, AND IN ACCORDANCE WITH THE NYSDEC'S BROWNFIELD CLEANUP PROGRAM.
5. THAT PROPOSED BUILDINGS NUMBER 9 AND 11 ON THE ATTACHED SITE CONCEPT PLAN PREPARED BY CARMINA WOOD DESIGN DATED 12/15/23 SHALL NOT HAVE ANY UPPER STORY WINDOWS ALONG THE NORTH FACING WALLS.
6. THAT THE CONDITIONS STATED ABOVE SHALL BE MEMORIALIZED VIZ THE RECORDING OF A DECLARATION OF RESTRICTIONS AT THE ERIE COUNTY CLERK'S OFFICE.

Site Data		
SITE AREA = 5.03 AC TOTAL		
ZONED: R-4		
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)		
SETBACKS (BLDG)	REQUIRED	PROVIDED
FRONT	30 FT.	37.87 FT. MIN.
SIDE	8 FT. / 20 FT. (COMBINED)	17 FT. MIN. / > 20 FT. (COMBINED)
REAR	30 FT.	30 FT. MIN.
BUILDING DENSITY:	37	22
MIN. FLOOR AREA (2-BDRM):	760 SF	> 760 SF
MAX. BUILDING COVERAGE:	35% (1.76 AC)	1.14 AC (22.7%)
MAX. BUILDING HEIGHT:	35 FT.	< 35 FT.
PARKING: (9x19)	44	52 SURFACE + 44 GARAGE SPACES = 96 TOTAL
GREENSPACE		
OVERALL:	1.25 AC (25%)	2.77 AC (55.2%)

PARKING CALCULATION:	
*MULTI-FAMILY*	
2 SPACES PER UNIT	
22 UNITS x 2 = 44 SPACES REQ'D (9x19)	
BUILDING DENSITY REQUIREMENTS:	
5,850 SF / DWELLING	
5.03 AC * 43,560 SF = 219,106 SF / 5,850 SF = 37.5	
37 UNITS ALLOWED	

DETAIL LEGEND	
(Symbol)	TYPE 'A' CONCRETE CURBING
(Symbol)	90° PARKING STALL
(Symbol)	CONCRETE SIDEWALK, 5' WIDE UNLESS OTHERWISE NOTED
(Symbol)	STANDARD DUTY ASPHALT
(Symbol)	HANDICAPPED PARKING MARKINGS
(Symbol)	HANDICAPPED PARKING SIGN
(Symbol)	LIGHT POLE FOUNDATION SIGN
(Symbol)	6" HT. WHITE VINYL FENCE
(Symbol)	SIDEWALK CURB RAMP
(Symbol)	NYSDOT CONCRETE CURB
(Symbol)	CROSSWALK STRIPING

NOTE LEGEND	
(Symbol)	EDGE OF PAVEMENT
(Symbol)	REINFORCED CURB IN 2" OR MATCH EXISTING CURB
(Symbol)	INSTALL 'NO PARKING' SIGN, A.U.T.C.D. SIGN NO. 87-1C
(Symbol)	LANDSCAPED AREA - SEE LANDSCAPE PLAN, IF NO PLANTINGS, INSTALL TOPSOIL & SEED
(Symbol)	DETECTABLE WARNING STRIP
(Symbol)	INSTALL 'NO PARKING FIRE LANE' SIGN
(Symbol)	INSTALL 'STOP' SIGN, A.U.T.C.D. SIGN NO. 81-1

**Site Plan**  
SCALE: 1"=30'



- GENERAL NOTES:**
1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
  2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
  3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
  4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
  6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
  7. CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION SO THAT THIS WORK WILL NOT DISTURB EXISTING LINES AND/OR INSTALLATIONS. COORDINATE ALL WORK WITH THE APPLICABLE UTILITY COMPANIES.
  8. ALL OTHER PERMITS REQUIRED BY STATE OF NEW YORK, COUNTY OF ERIE, AND TOWN OF CLARENCE ARE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER/OWNER.
  9. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE. EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

- SITE LEGEND**
- PROPERTY LINE
  - PROPOSED SIDEWALK / CONCRETE PAD
  - NUMBER OF PARKING SPACES
  - PROPOSED SIGN
  - PROPOSED STANDARD DUTY ASPHALT PAVEMENT
  - PROPOSED LIGHT POLE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

**CARMINA WOOD DESIGN**  
Buffalo | Utica | Greensboro

**Proposed Multi-Family**  
4774 & 4780 Sheridan Drive  
Amherst, NY

REVISIONS:	No.	Description	Date



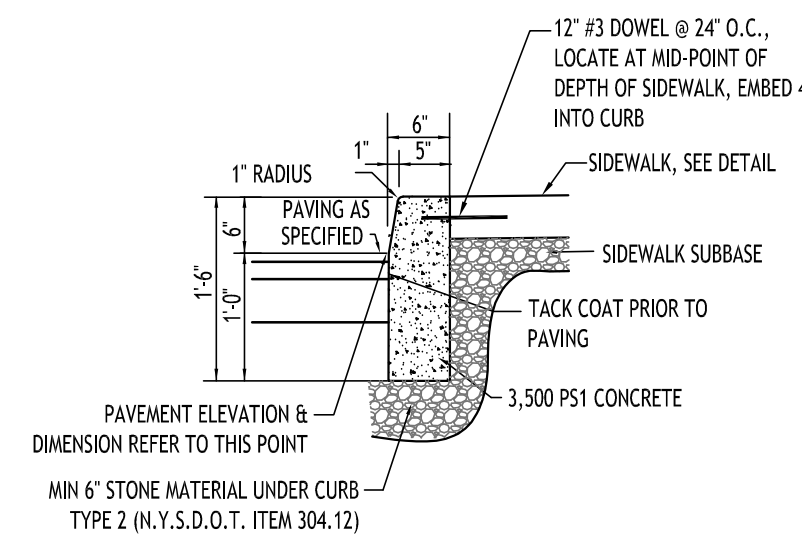
DRAWING NAME:  
**Site Plan**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

DRAWING NO.:  
**C-100**  
Project No: 23-4091

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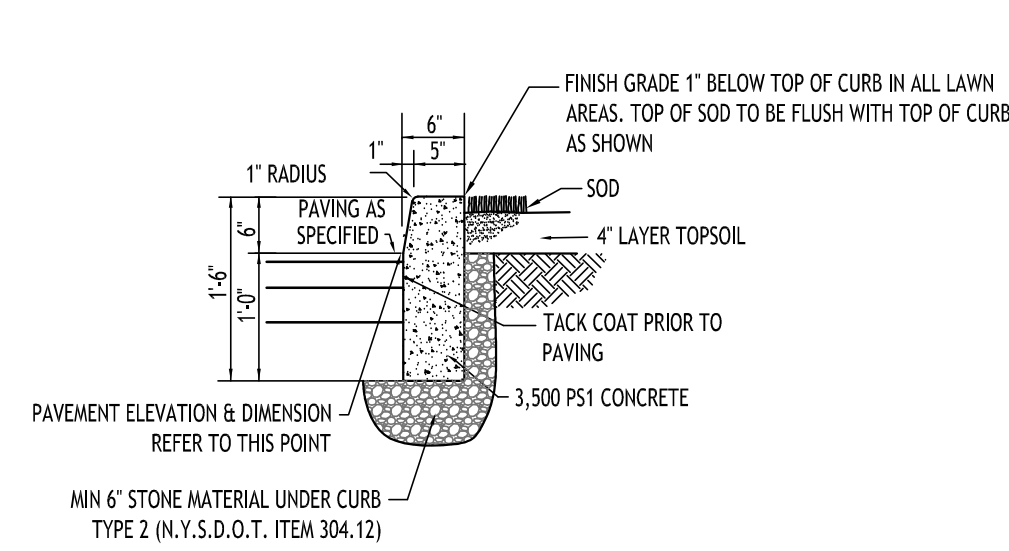
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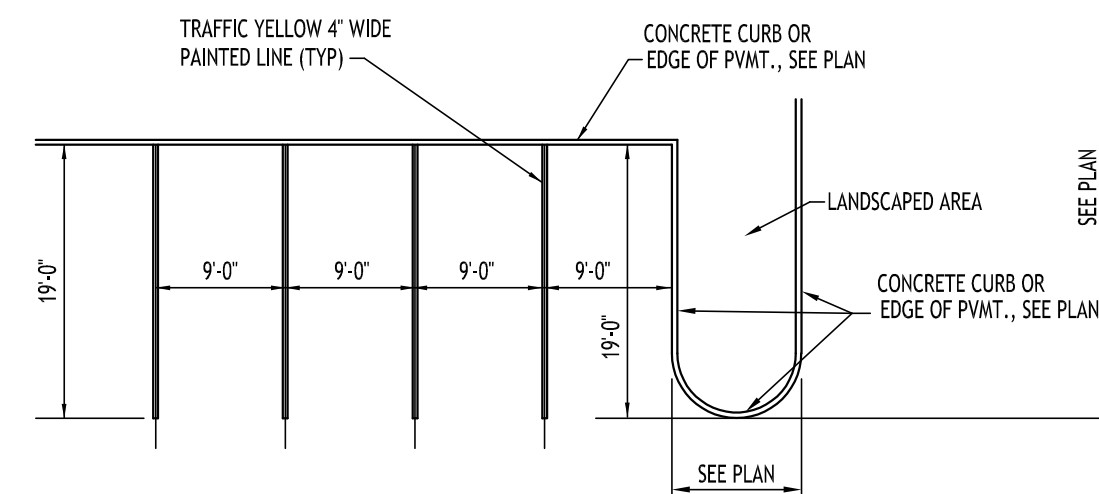
**ABUTTING SIDEWALK**

- NOTES:**
- CONTROL JOINTS TO BE 2" DEEP AT 15'-0" O.C. - SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYS DOT 702-0700.
  - WHERE THE CURB DROPS (IS FLUSH WITH ASPHALT) THE DEPTH OF CURB BELOW GRADE SHALL BE INCREASED TO 1'-6" AND OTHER DIMENSIONS ADJUSTED ACCORDINGLY.

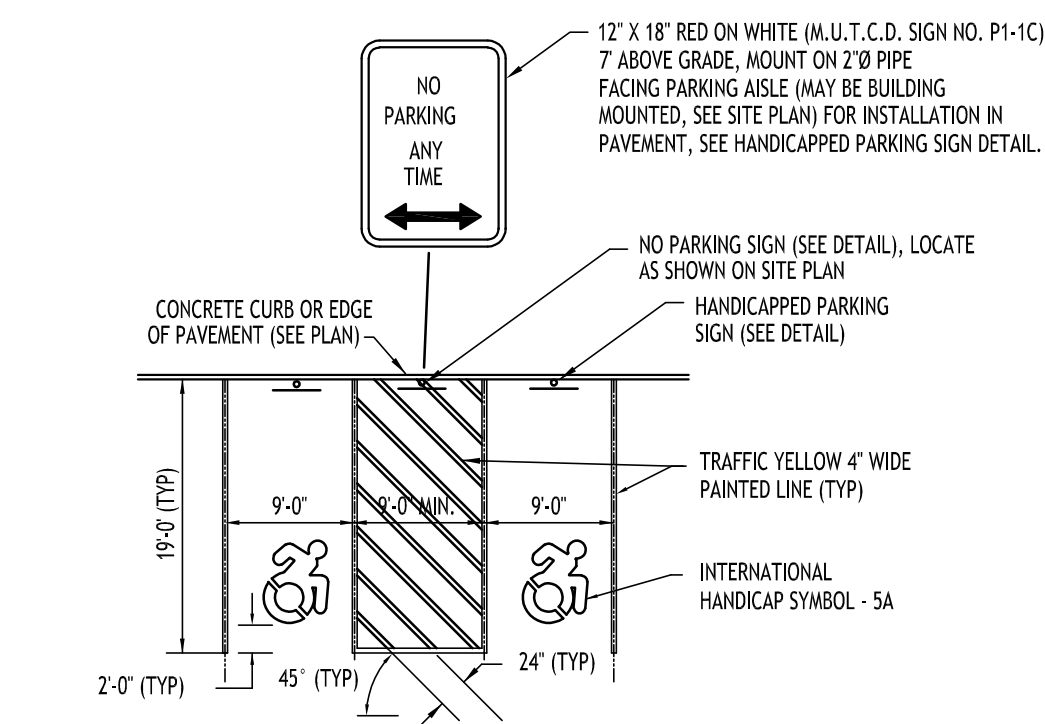
**TYPE "A" CONCRETE CURB - 1**  
NOT TO SCALE



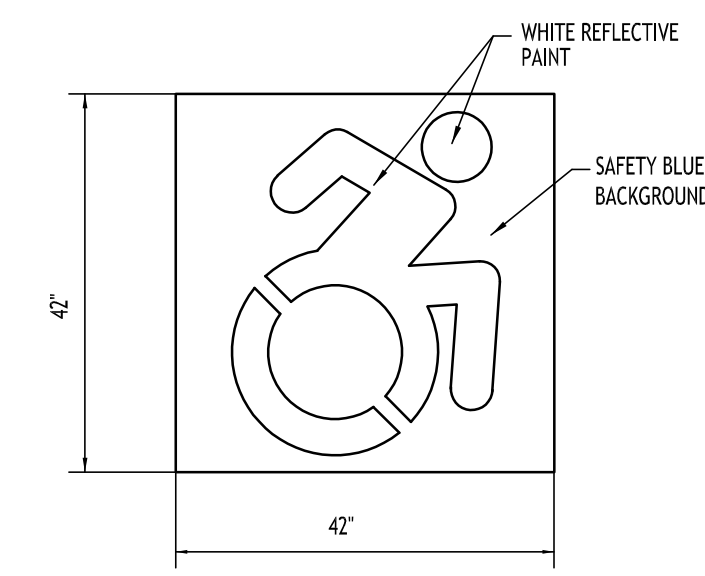
**ABUTTING LANDSCAPE/GRASS**



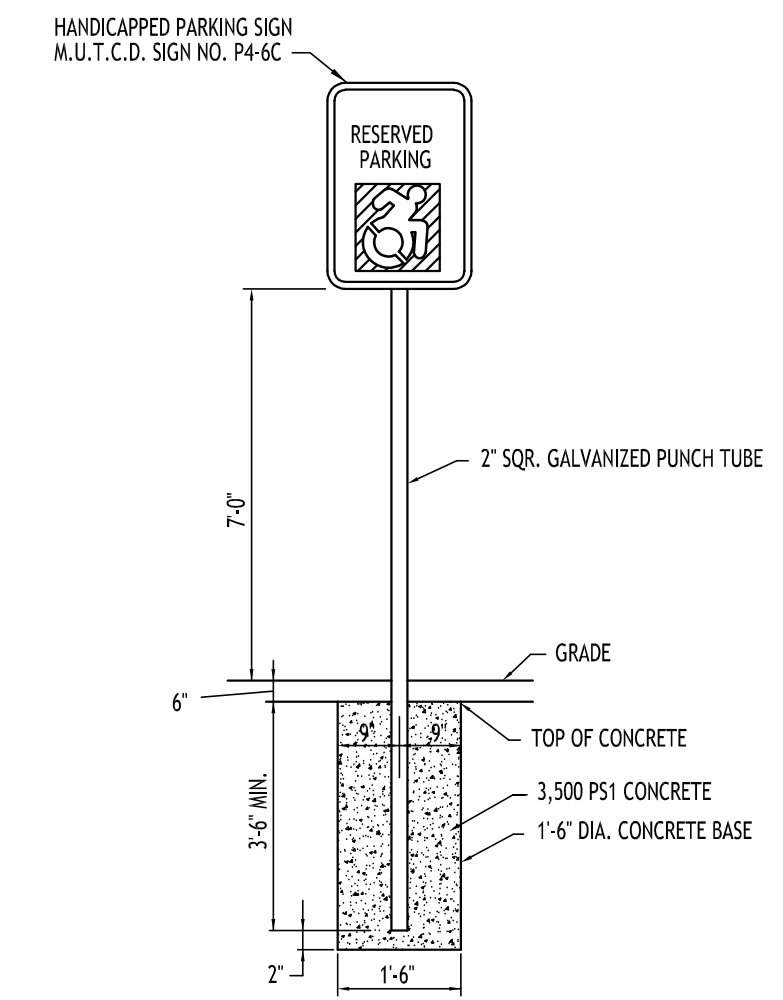
**90° PARKING STALL LAYOUT - 2**  
NOT TO SCALE



**HANDICAPPED PAVEMENT MARKINGS & SIGNAGE - 5**  
NOT TO SCALE



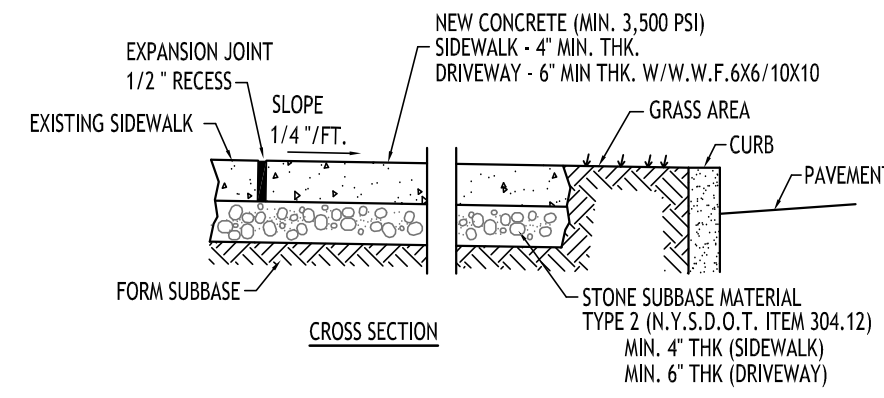
**INTERNATIONAL HANDICAP SYMBOL - 5A**  
NOT TO SCALE



- NOTES:**
- HANDICAPPED PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS.

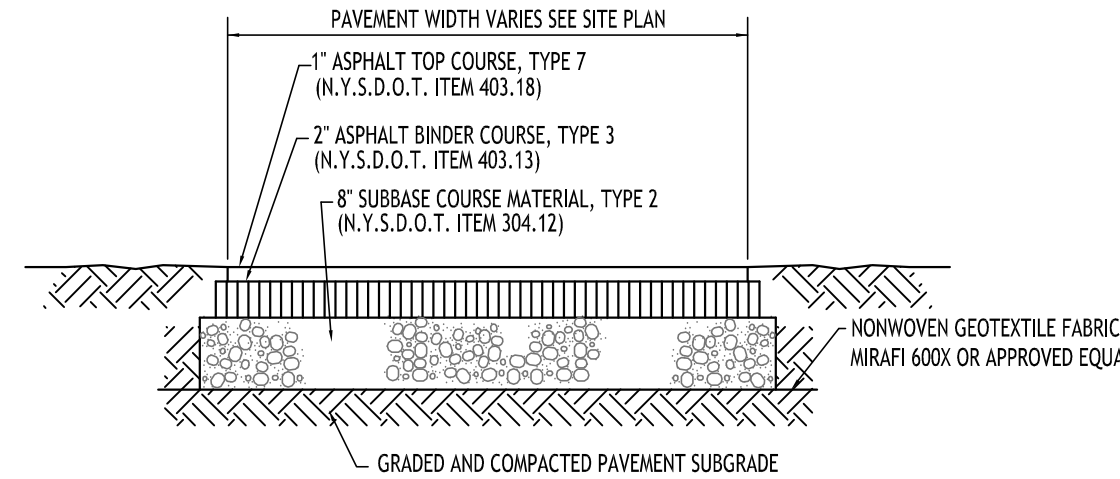
**GRASS/LAWN AREA**

**HANDICAPPED PARKING SIGN - 6**  
NOT TO SCALE



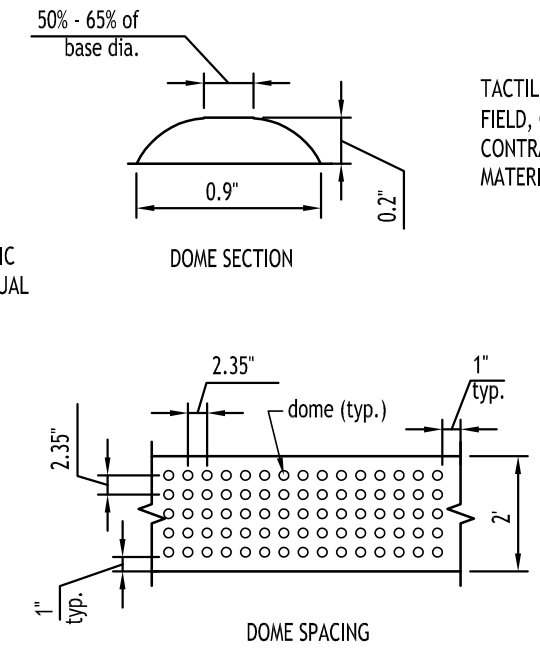
- NOTES:**
- CONTROL JOINTS TO BE AT 5'-0" O.C., BOTH WAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYS DOT 702-0700.
  - CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYS DOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYS DOT STANDARD SPECIFICATION 608-3.
  - SUBBASE GRADE SHALL FOLLOW THE PROPOSED GRADE OF THE SIDEWALK AND SLOPE AWAY FROM BUILDING WHERE APPLICABLE, PROVIDE CONTINUOUS STONE PATH TO CURB UNDERDRAIN WHERE PROVIDED.
  - FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED EVERY 20' O.C., BOTH WAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYS DOT 702-0700.
  - SEE CURB DETAIL FOR DOWLING REQUIREMENTS WHERE ABUTTING CURBS.
  - INSTALL 6" LONG #3 DOWELS @ 12" O.C. WHERE SIDEWALK ABUTS A BUILDING WALL AT AN ENTRANCE, THICKEN SIDEWALK TO 6" AT BUILDING WALL AND INSTALL DOWEL CENTERED IN THE 6" DEPTH. DOWELS AND THICKENING OF SIDEWALK SHALL EXTEND 18" EITHER SIDE OF ENTRANCE.
  - INSTALL 1/2" PREMOLDED EXPANSION JOINT WITH BACKER ROD & SEALANT WHERE SIDEWALK ABUTS BUILDING OR OTHER STRUCTURE.

**CONCRETE SIDEWALK - 3**  
NOT TO SCALE



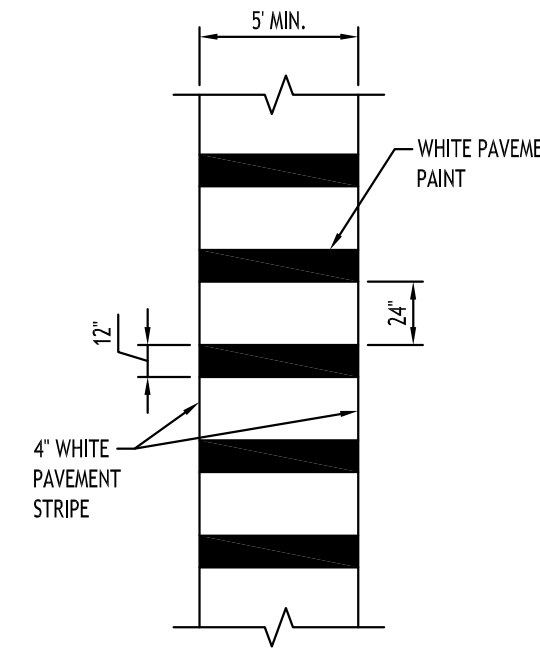
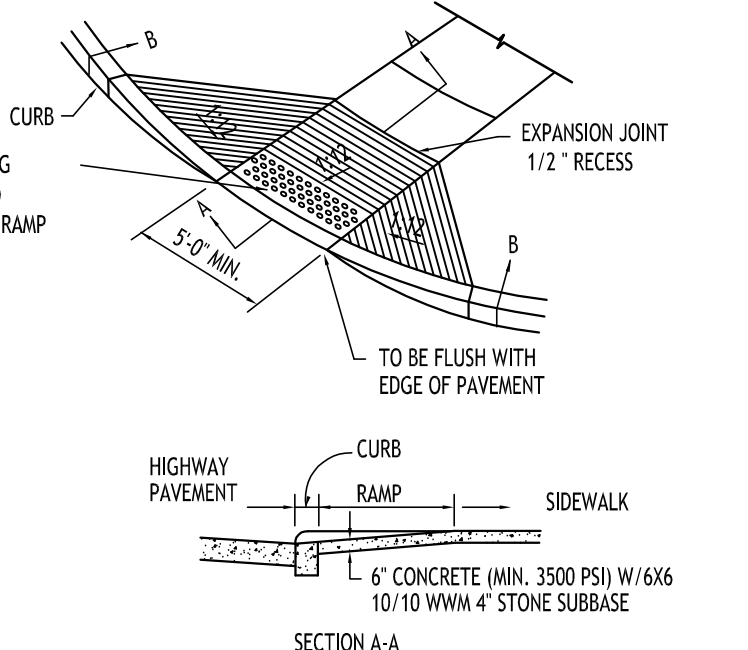
- NOTE:** CONSTRUCTION METHODS FOR ASPHALT PAVEMENT SHALL CONFORM TO NYS DOT STANDARD SPECIFICATION 401-3, WITH SUBBASE CONSTRUCTION METHODS CONFORMING TO NYS DOT STANDARD SPECIFICATION 304-3.

**STANDARD DUTY ASPHALT SECTION - 4**  
NOT TO SCALE

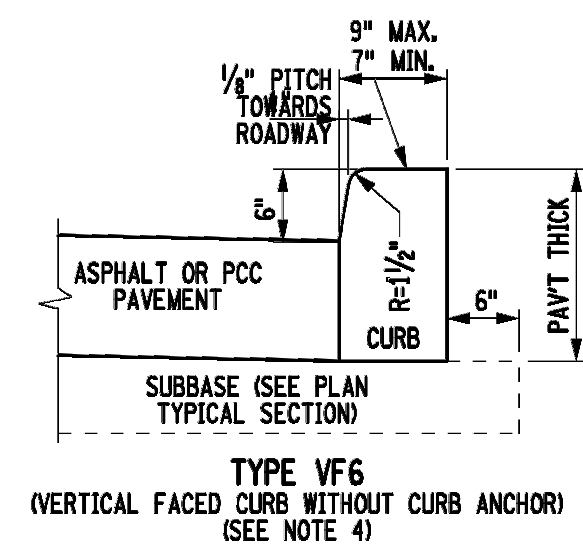


- NOTE:** TACTILE WARNING DEVICES SHALL BE PER ICC/ANSI A117.1-1998, SECTION 705.3.1.2 OR CURRENT UPDATE

**SIDEWALK CURB RAMP - 8**  
NOT TO SCALE

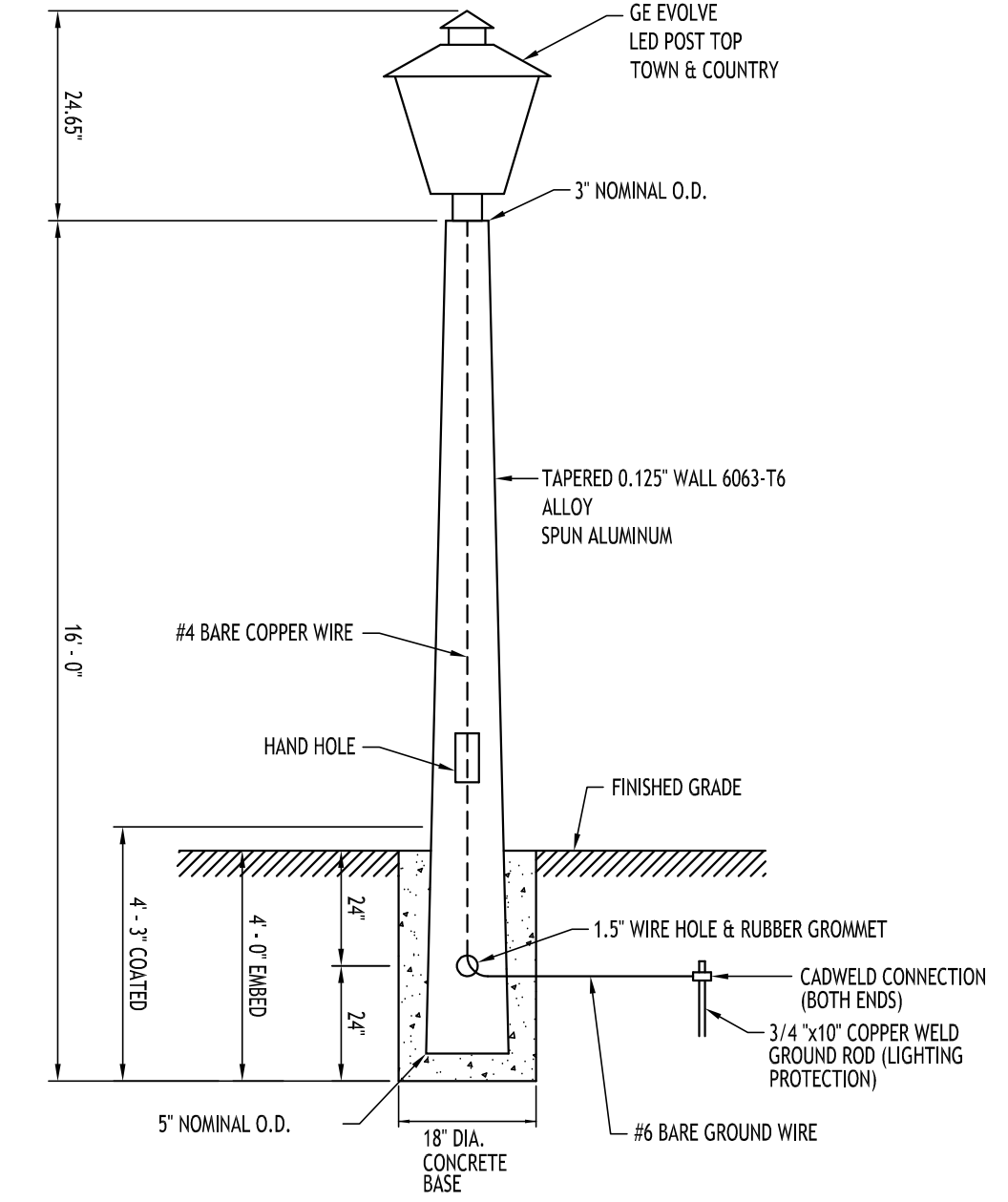


**CROSSWALK STRIPING - 10**  
NOT TO SCALE



**TYPE VF6**  
**(VERTICAL FACED CURB WITHOUT CURB ANCHOR)**  
(SEE NOTE 4)

**NYS DOT CONCRETE CURB - 9**  
NOT TO SCALE



- NOTES:**
- LIGHT FIXTURE, POLE & BASE ORDERING INFORMATION, VERIFY WITH OWNER & UTILITY COMPANY PRIOR TO ORDERING.

**POST TOP LIGHT POLE & FOUNDATION - 7**  
NOT TO SCALE

**CARMINAWOOD**  
**DESIGN**  
Buffalo | Utica | Greensboro

**Proposed Multi-Family**  
4774 & 4780 Sheridan Drive  
Amherst, NY

REVISIONS:  
No. Description  
Date



**DRAWING NAME:**  
Site Details

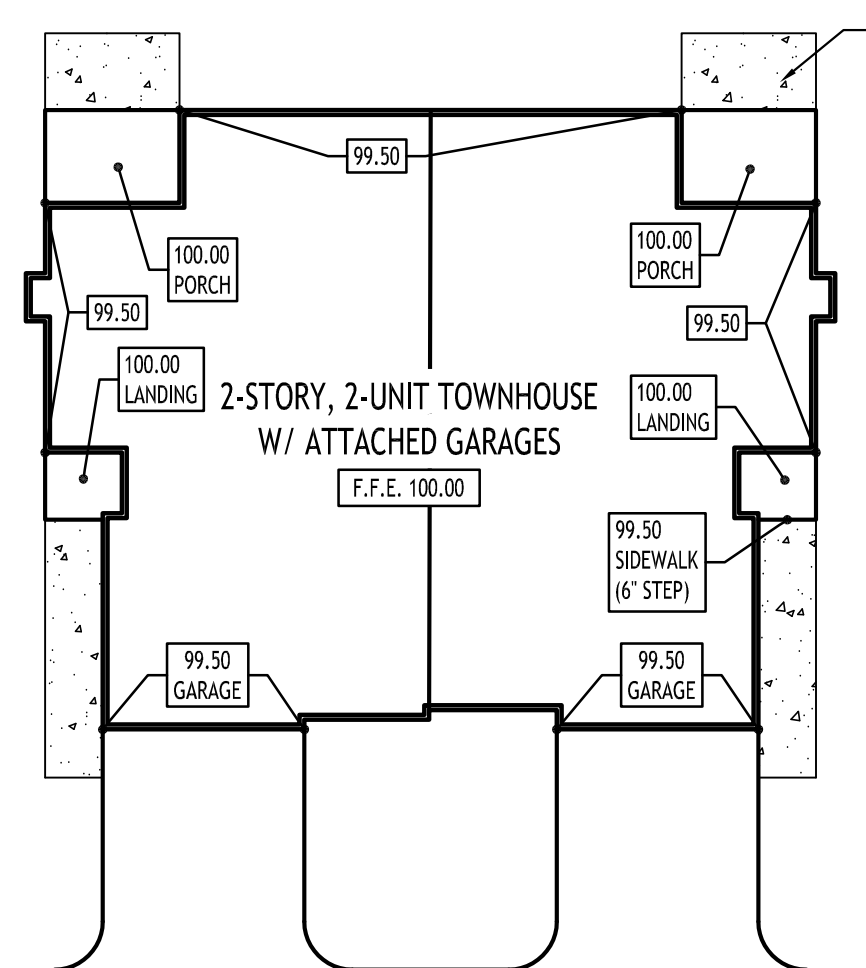
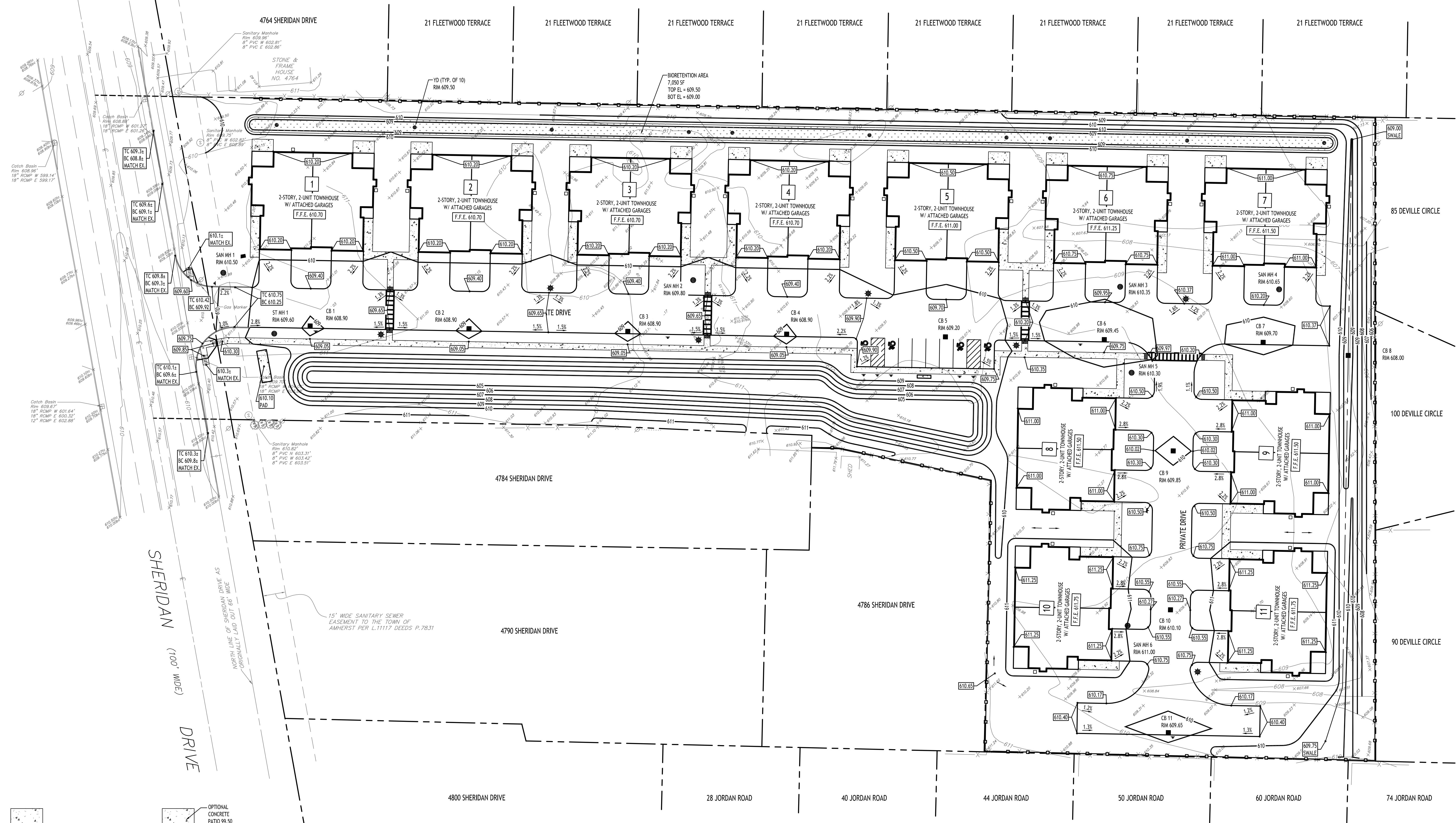
Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

**DRAWING NO.:**

**C-101**

Project No: 23-4091

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Typical Grading Plan  
SCALE: 1"=20'

Grading Plan  
SCALE: 1"=30'

PROPOSED GRADING LEGEND

PROPOSED CONTOUR	---
PROPOSED SPOT ELEVATION	○
PROPOSED TOP/BOTTOM OF CURB	▭
PROPOSED CATCH BASIN	■
PAVEMENT/GROUND SLOPE	—
PROPOSED MANHOLE	●
PROPOSED SWALE	- - -

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



REVISIONS:

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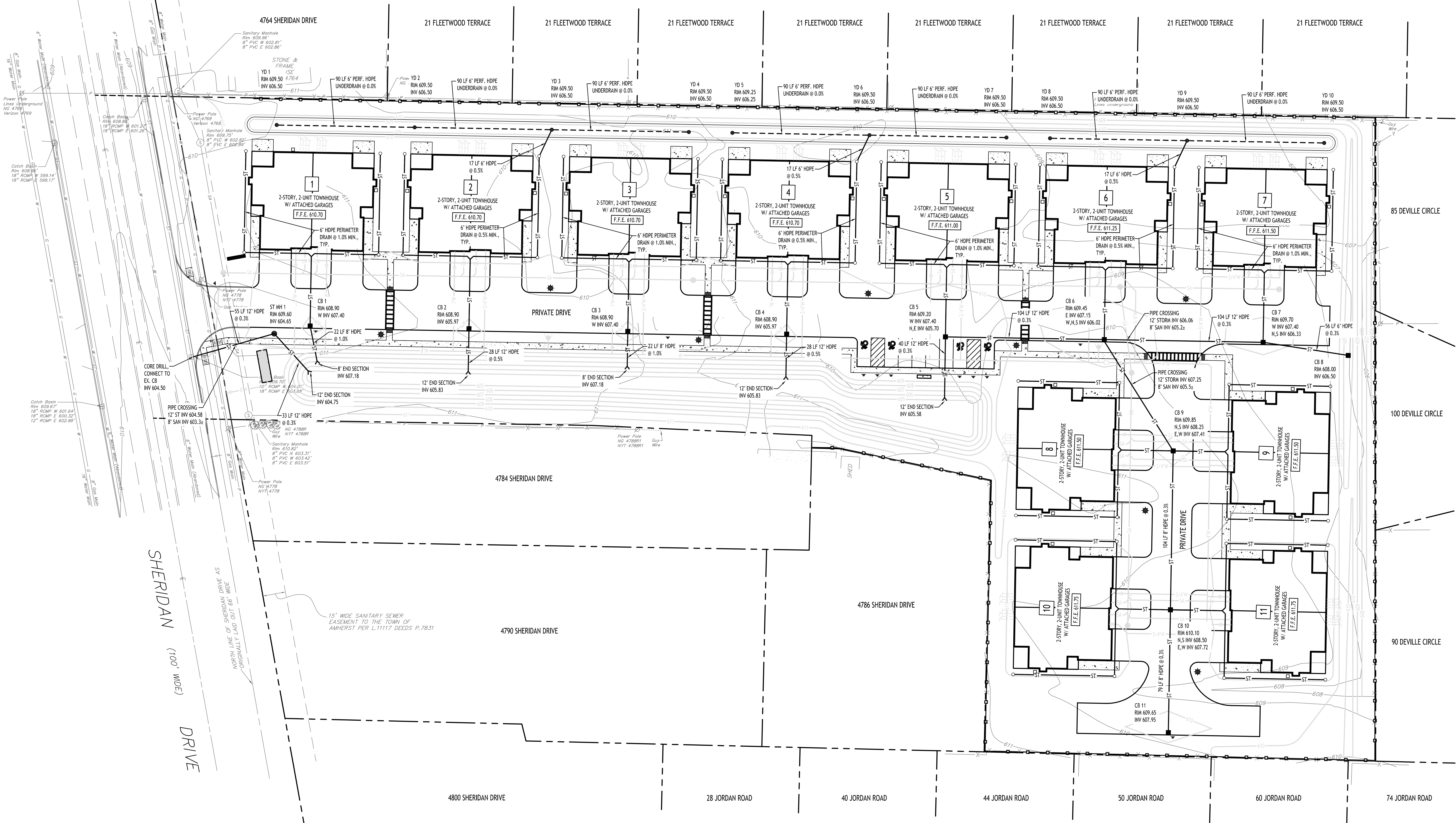
DRAWING NAME:  
**Grading Plan**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

DRAWING NO.:

**C-200**

Project No: 23-4091



**Storm Drainage Plan**  
 SCALE: 1"=30'

- PROPOSED STORM DRAINAGE LEGEND**
- PROPOSED STORM PIPE ——— ST ———
  - PROPOSED PERFORATED STORM PIPE - - - - -
  - PROPOSED CATCH BASIN ■
  - PROPOSED MANHOLE ●
  - PROPOSED CLEANOUT ○
  - PROPOSED CATCH BASIN CB: CATCH BASIN
  - MH: MANHOLE
  - OS: OUTLET STRUCTURE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

REVISIONS:	No.	Description	Date



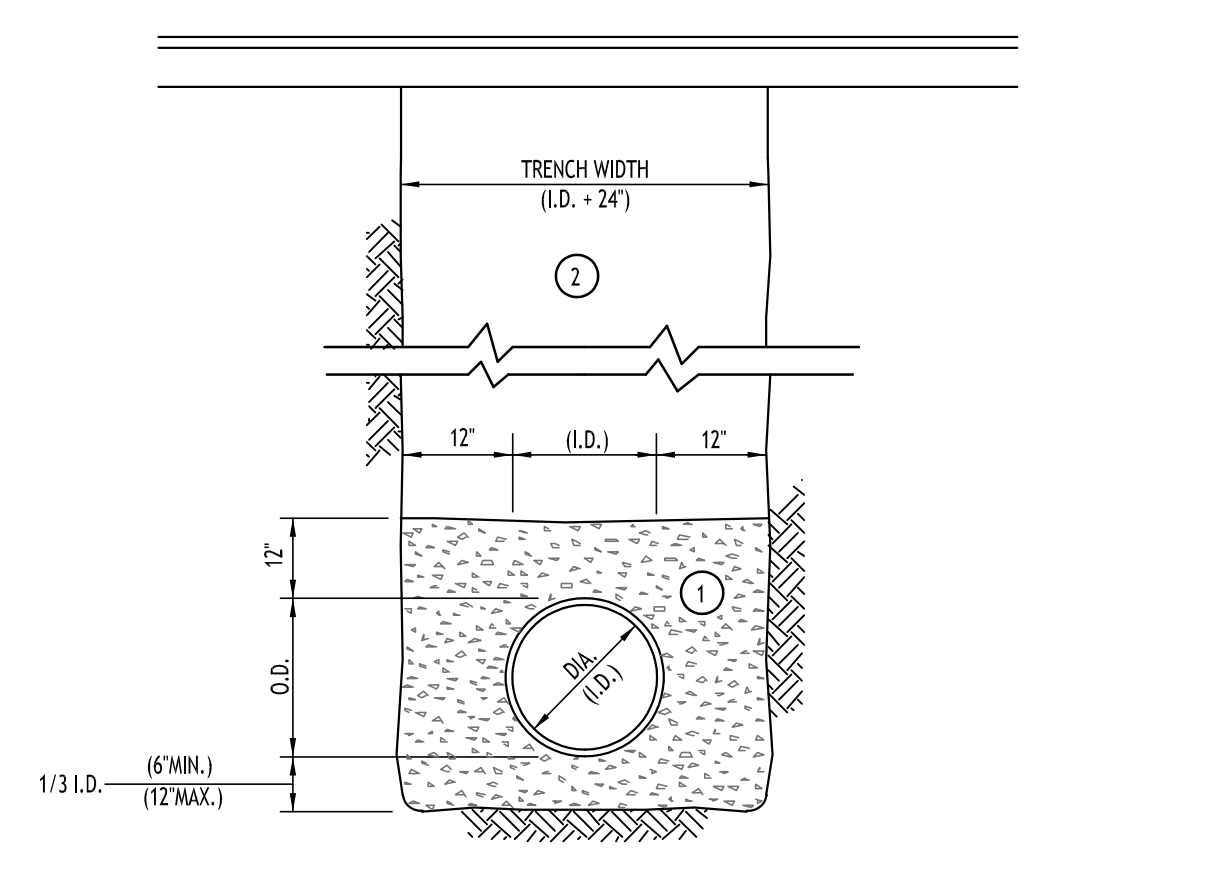
DRAWING NAME:  
**Storm Drainage Plan**

Date: 4/22/24  
 Drawn By: P. Sheedy  
 Scale: As Noted

DRAWING NO.  
**C-300**  
 Project No: 23-4091

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- NOTES:
- A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
  - B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
  - C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
  - D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

**MATERIALS**

PIPE BEDDING MATERIAL (NYS DOT 1985 EDITION)

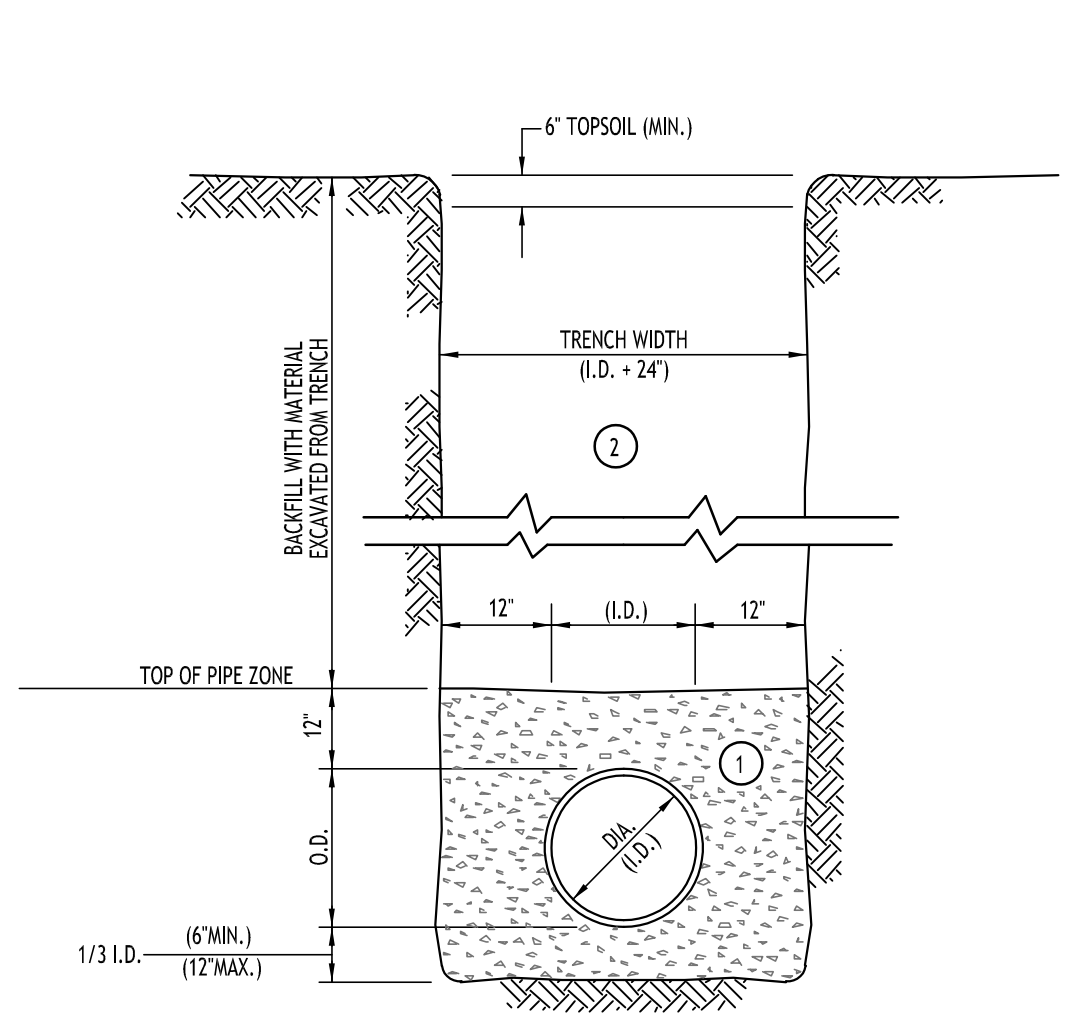
1 NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL 1

2 TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYS DOT SECTION 304-2.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL 2

**STORM SEWER TRENCH SECTION IN PAVED AREAS**  
NOT TO SCALE



- NOTES:
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**MATERIALS**

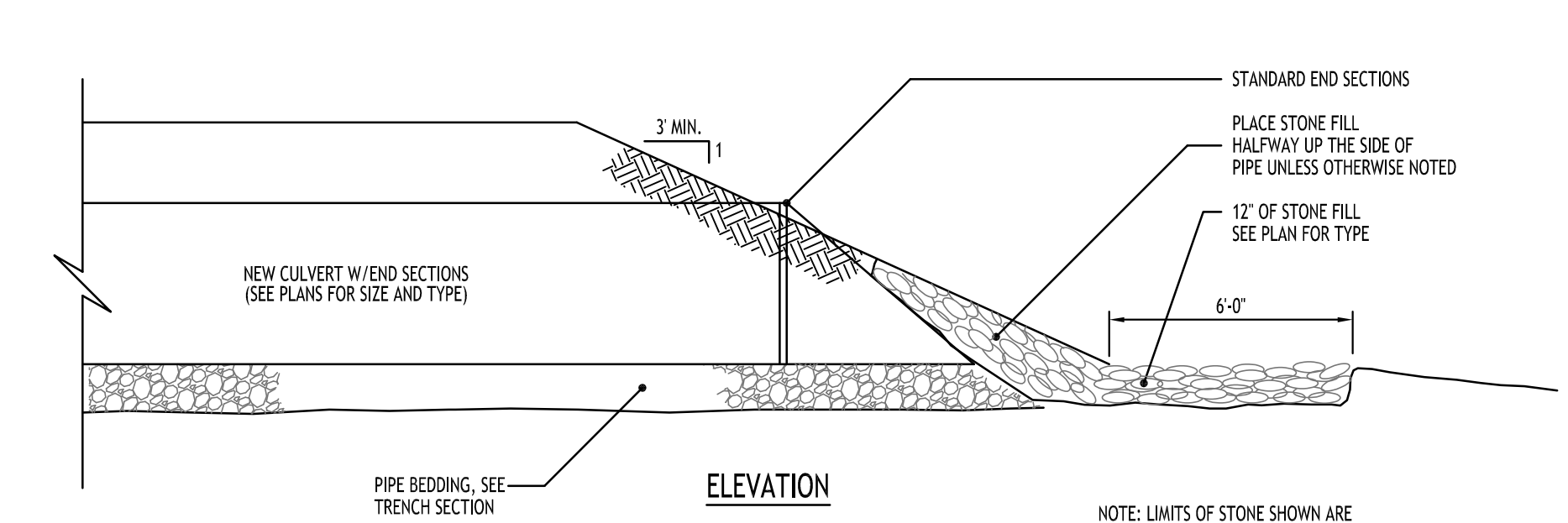
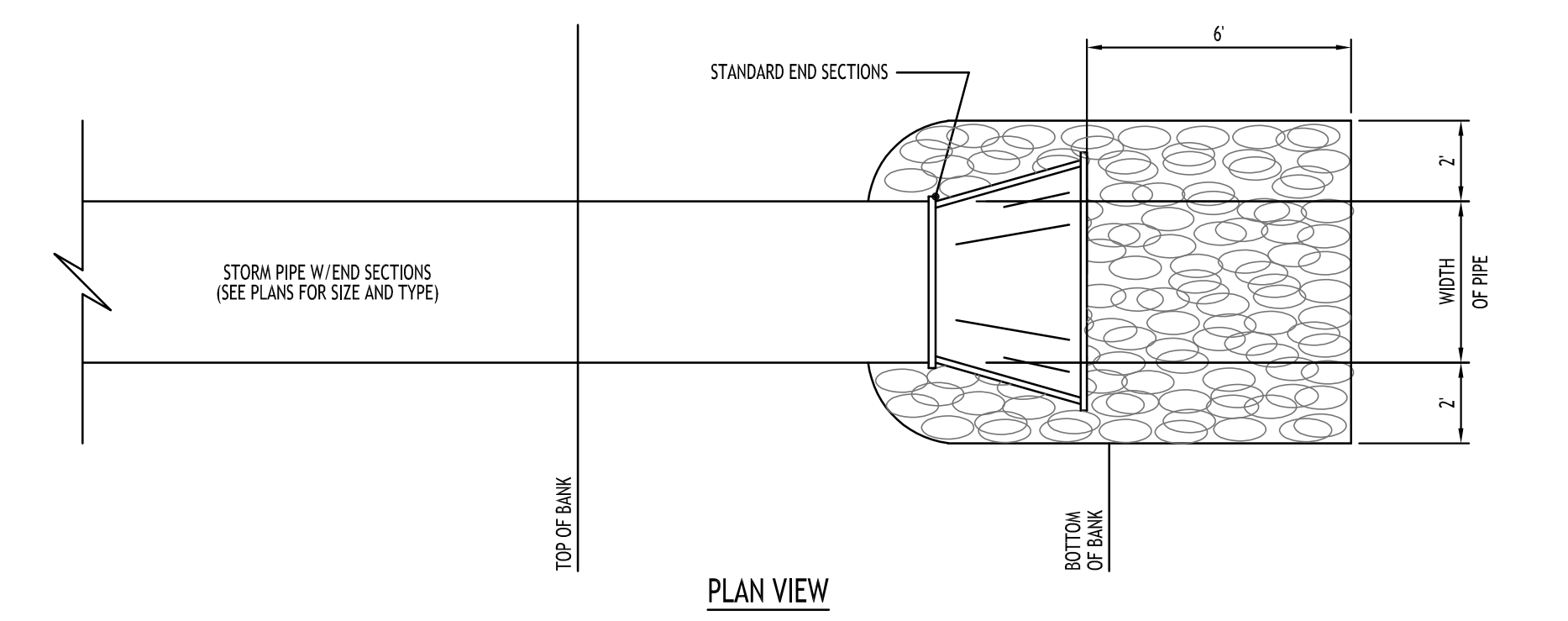
PIPE BEDDING MATERIAL (NYS DOT 1985 EDITION)

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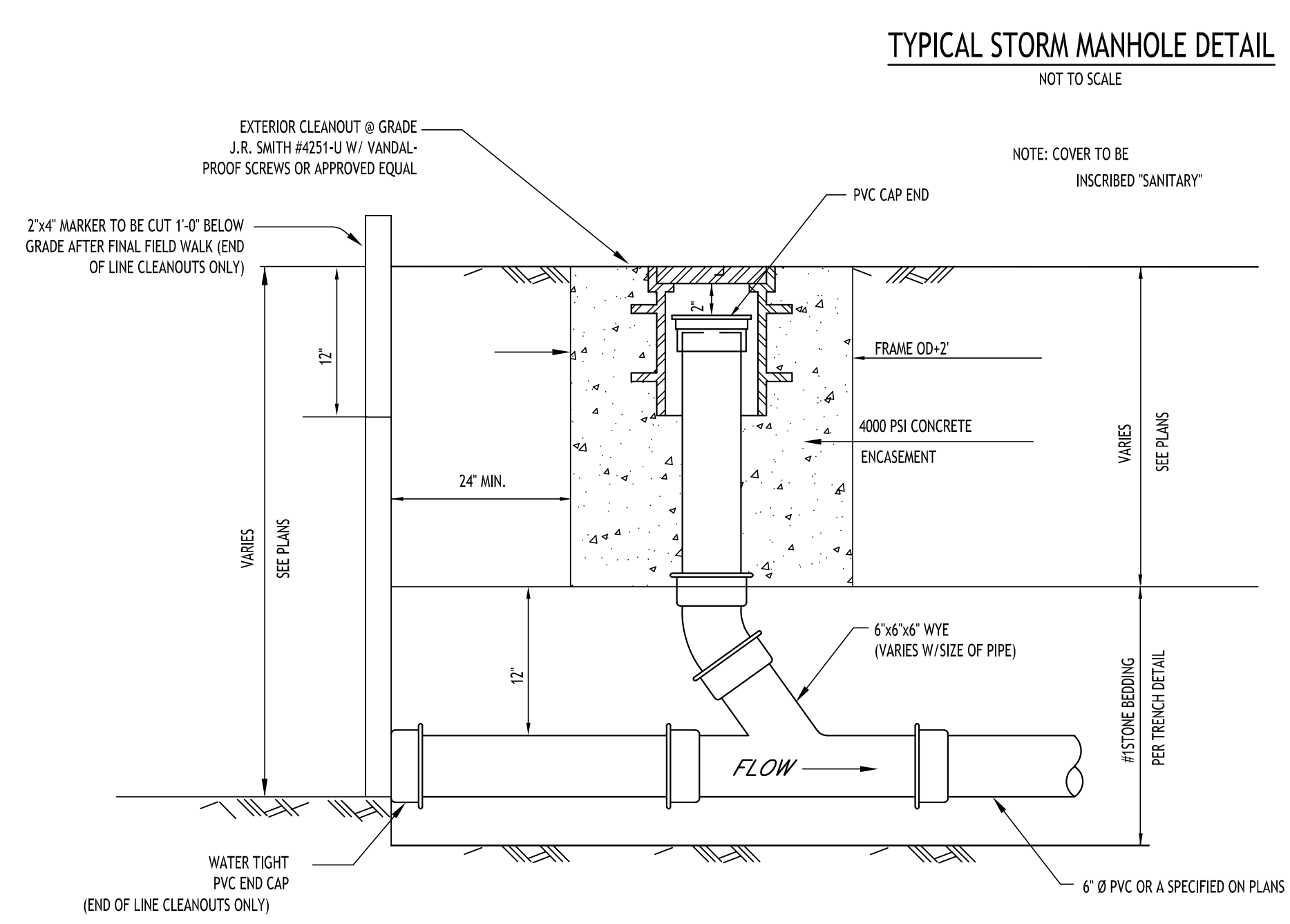
NO SLAG SHALL BE ALLOWED FOR MATERIAL 1

2 BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL. COMPACTED IN 6" LIFTS.

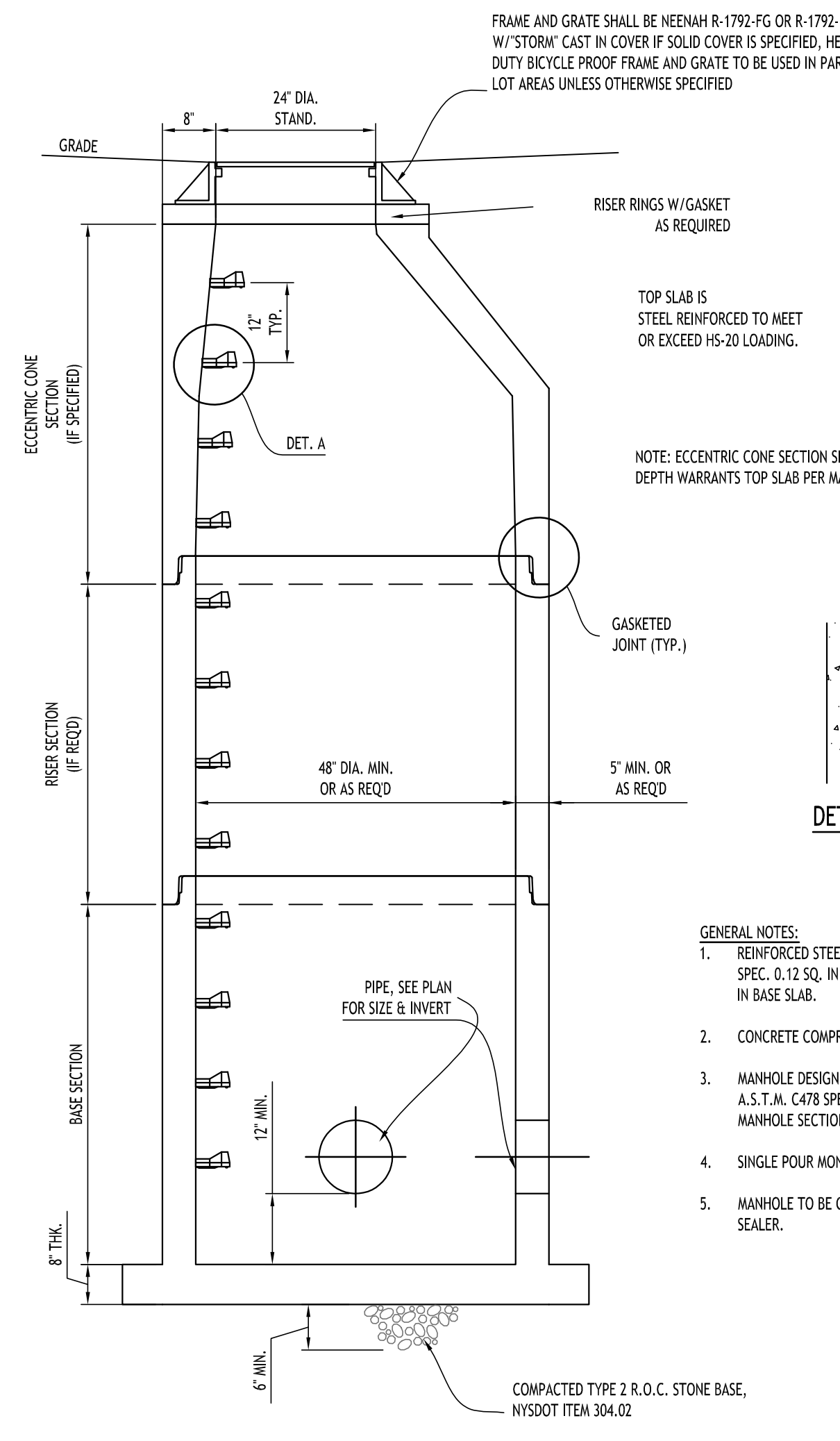
**STORM SEWER TRENCH SECTION IN UNPAVED AREAS**  
NOT TO SCALE



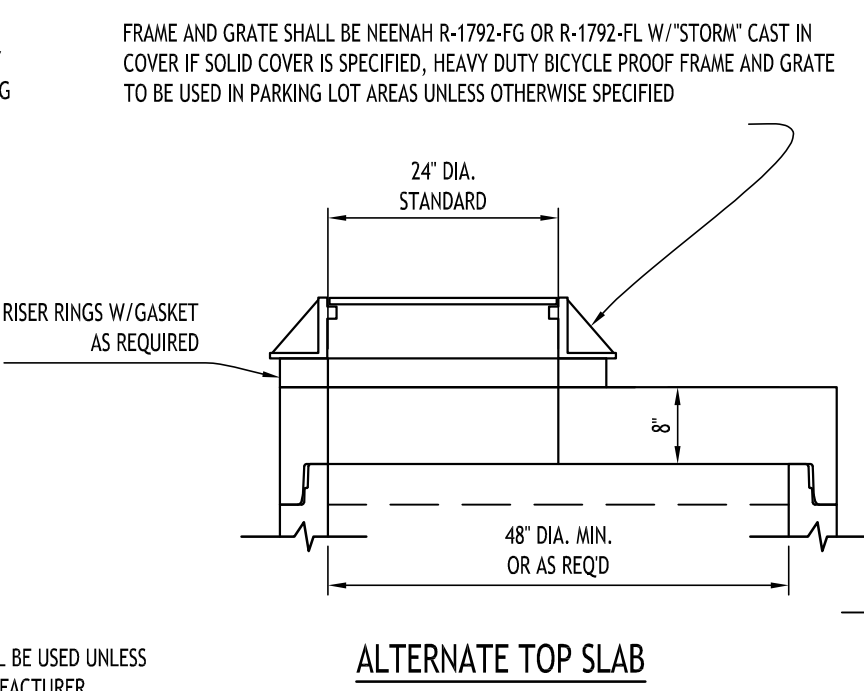
**TYPICAL PIPE OUTLET W/ END SECTION & RIP RAP**  
NOT TO SCALE



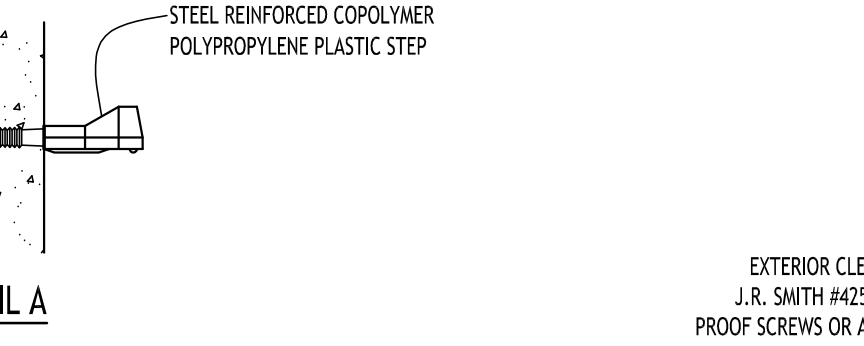
**LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS**  
NOT TO SCALE



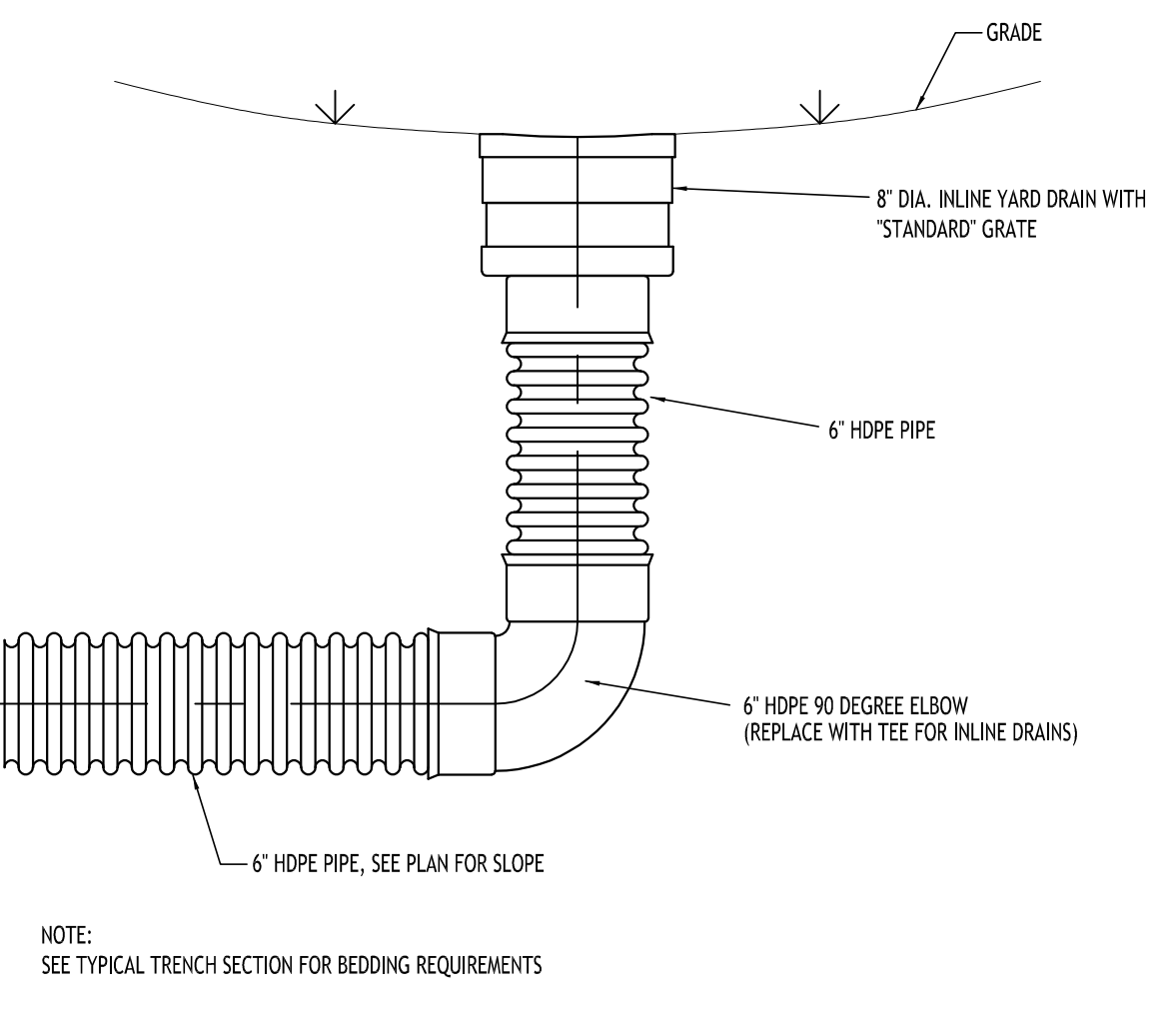
**TYPICAL STORM MANHOLE DETAIL**  
NOT TO SCALE



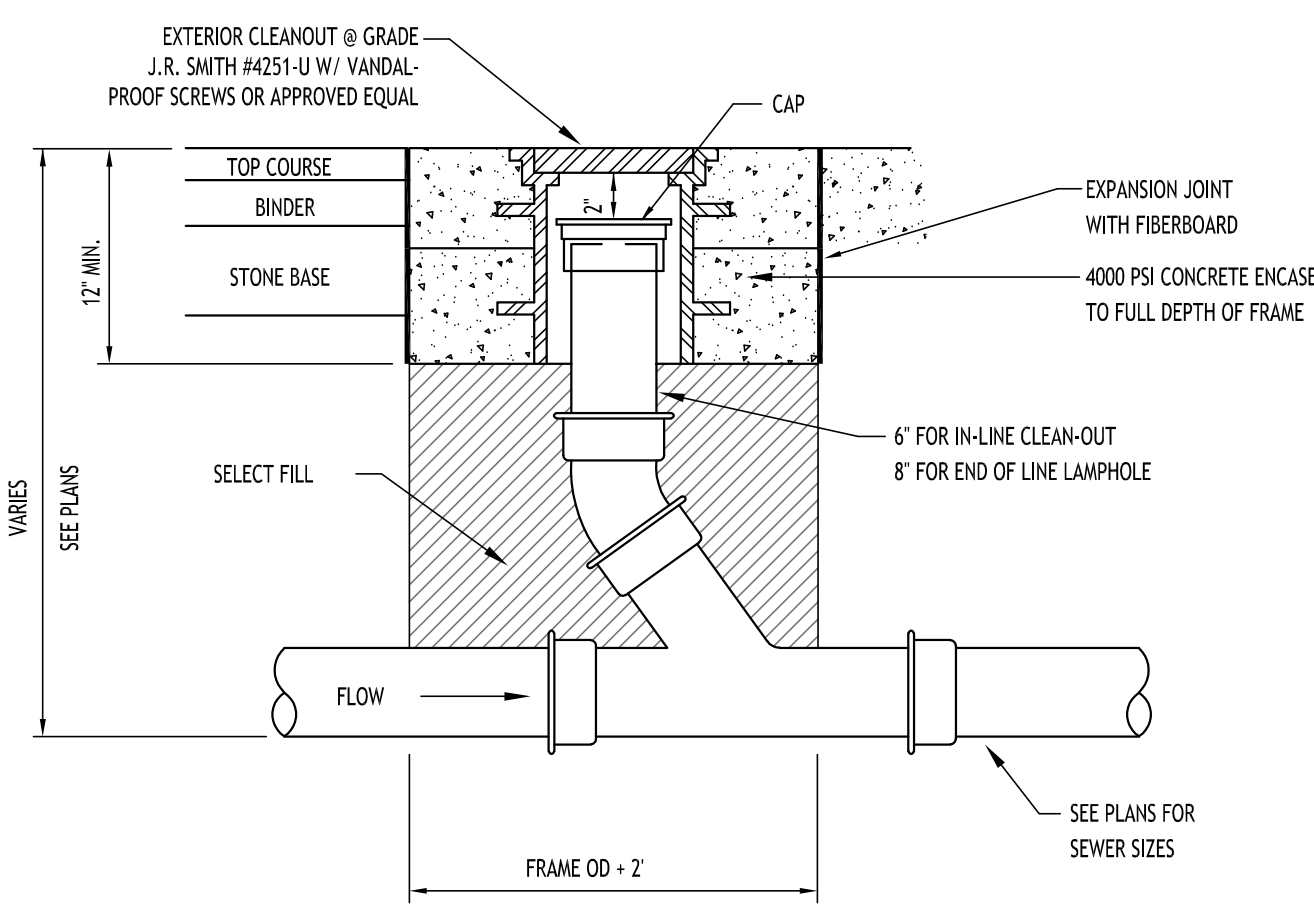
**ALTERNATE TOP SLAB**



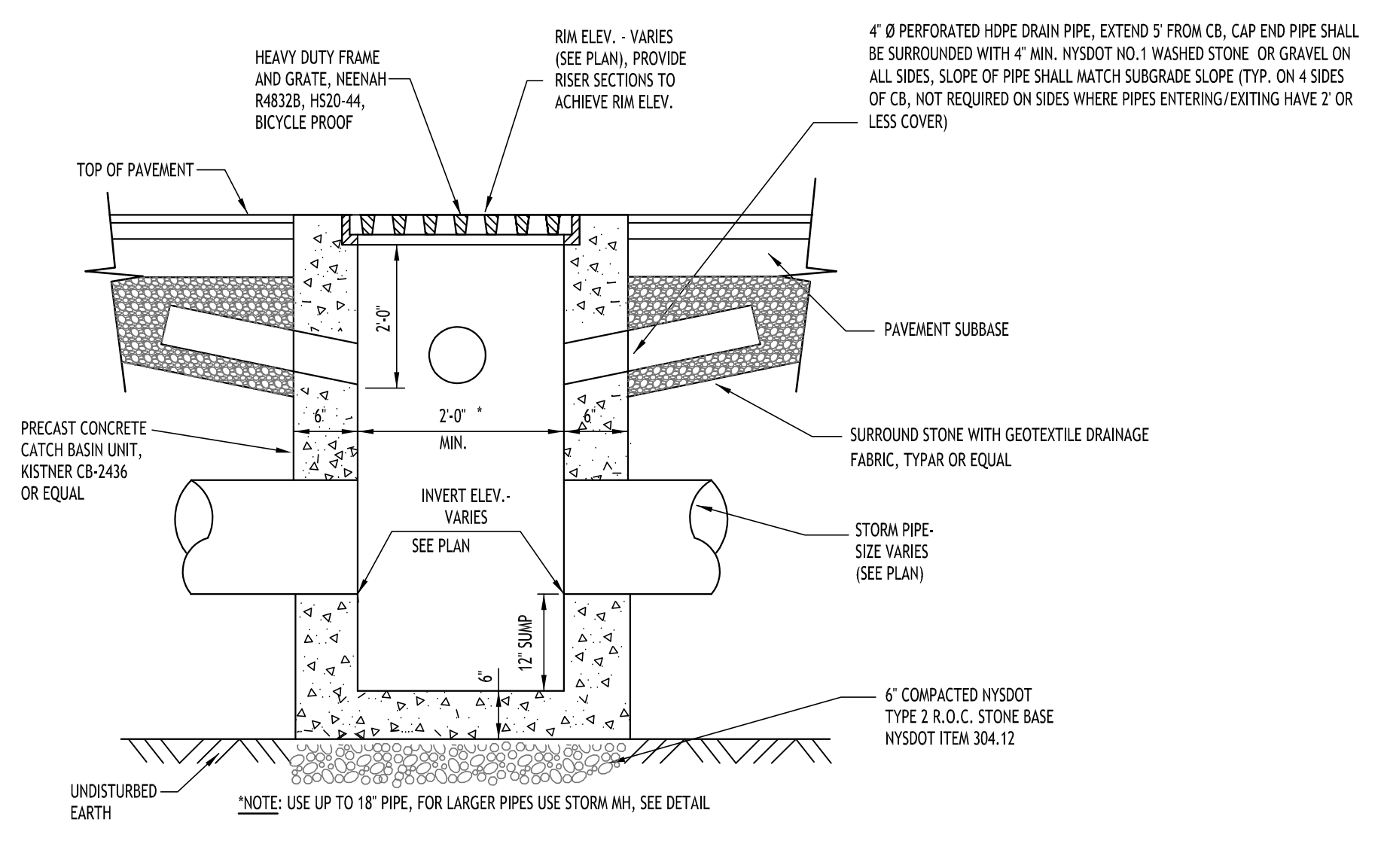
- GENERAL NOTES:
1. REINFORCED STEEL TO CONFORM TO LATEST A.S.T.M. A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) IN BASE SLAB.
  2. CONCRETE COMPRESSIVE STRENGTH - 4000 PSI MINIMUM.
  3. MANHOLE DESIGN SPECIFICATIONS TO CONFORM TO LATEST A.S.T.M. C478 SPEC. FOR PRE-CAST REINFORCED CON-CRETE MANHOLE SECTIONS.
  4. SINGLE POUR MONOLITHIC BASE SECTION.
  5. MANHOLE TO BE COATED ON OUTSIDE WITH BITUMASTIC SEALER.



**TYPICAL YARD DRAIN DETAIL**  
NOT TO SCALE



**LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK**  
NOT TO SCALE



**TYPICAL PRECAST CATCH BASIN**  
NOT TO SCALE

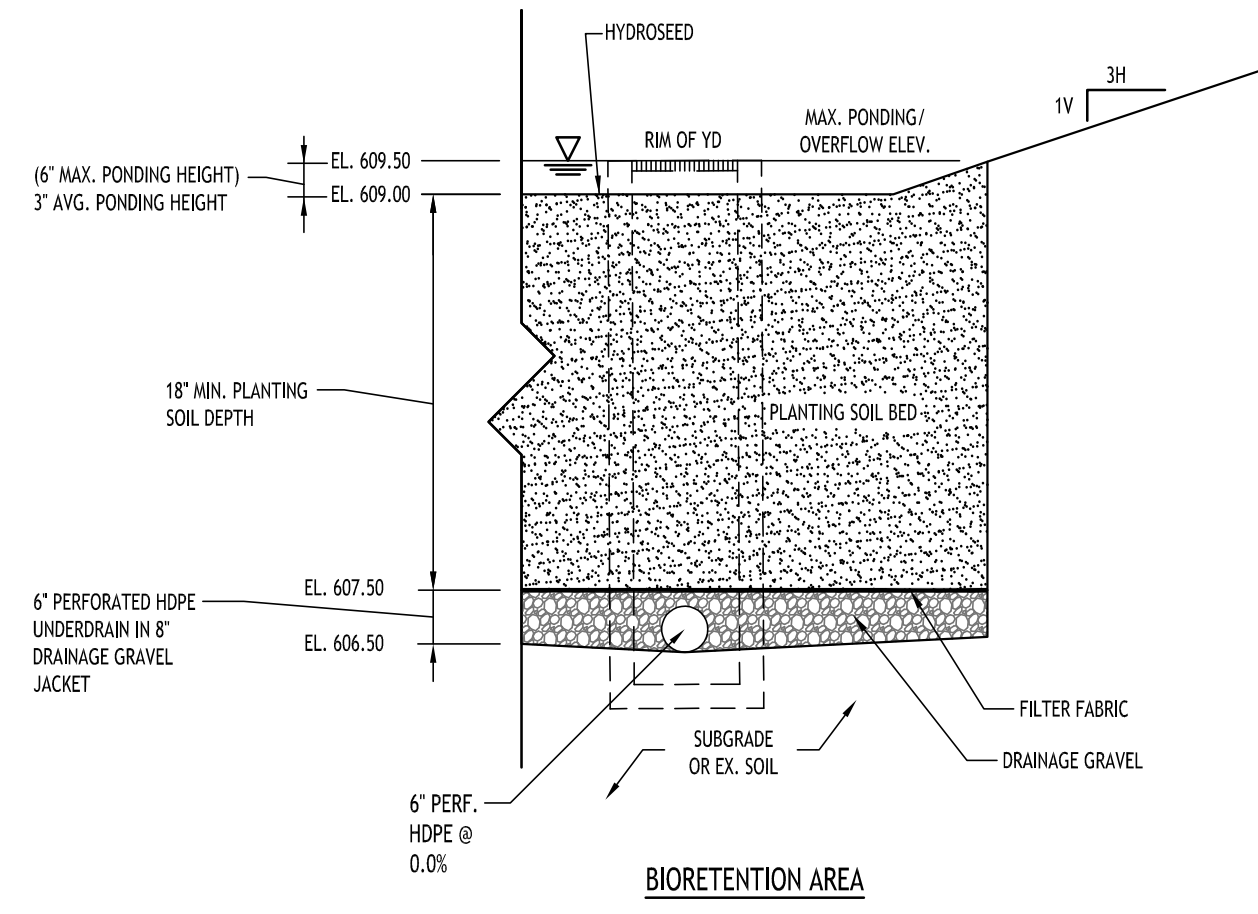
Revisions:	No.	Description	Date



DRAWING NAME:  
**Storm Drainage Details**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

DRAWING NO.  
**C-301**  
Project No: 23-4091



**BIORETENTION AREA - TYPICAL SECTION**  
NOT TO SCALE

- NOTES:**
1. FILTER FABRIC TO BE NON-WOVEN CLASS C, MIRAFL 180-H OR APPROVED EQUIVALENT
  2. DRAINAGE GRAVEL TO MEET AASHTO M-43, NO. 67, SIZE 0.25" TO 0.75"
  3. CONTRACTOR TO PROVIDE PLANTING SOIL SUBMITTAL SPECIFICATION FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

**NOTE:** PLANTING SOIL SHALL BE LOAM/SAND MIX CONTAINING A MINIMUM OF 35 TO 60% SAND BY VOLUME AND LESS THAN 25% CLAY. SOIL SHOULD FALL WITHIN USCS TYPES SA OR ML WITH PERMEABILITY OF AT LEAST 0.5 FEET PER DAY. SOIL SHOULD BE FREE FROM STONES, STUMPS, ROOTS OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12" TO 18", LOOSELY COMPACTED.

**CHARACTERISTICS SHALL BE:**  
 PH RANGE: 5.2 - 7.00  
 ORGANIC MATTER: 1.5 - 4.0%  
 MAGNESIUM: 35 LBS PER ACRE MIN.  
 PHOSPHORUS: 75 LBS PER ACRE MIN.  
 POTASSIUM: 85 LBS PER ACRE MIN.  
 SOLUBLE SALTS: 500 PPM  
 CLAY: 10 TO 25%  
 SILT: 30 TO 55%  
 SAND: 35 TO 60%

**bio-retention area seeding spec (Northeast Wetland Grass Seed Mix):**

Seed Mixture	Variety	Percent by No. of Seeds
Creeping Bentgrass	Agrostis stolonifera	63.0
Rough Bluegrass	Poa trivialis	17.0
Wetland Foxtail	Alopurus arundinaceus	11.0
Annual Ryegrass	Lolium multiflorum	4.5
Deertongue	Panicum clandestinum	4.5



**DRAWING NAME:**  
Storm Drainage  
Details

Date: 4/22/24  
 Drawn By: P. Sheedy  
 Scale: As Noted

**DRAWING NO.:**

**C-302**

Project No: 23-4091

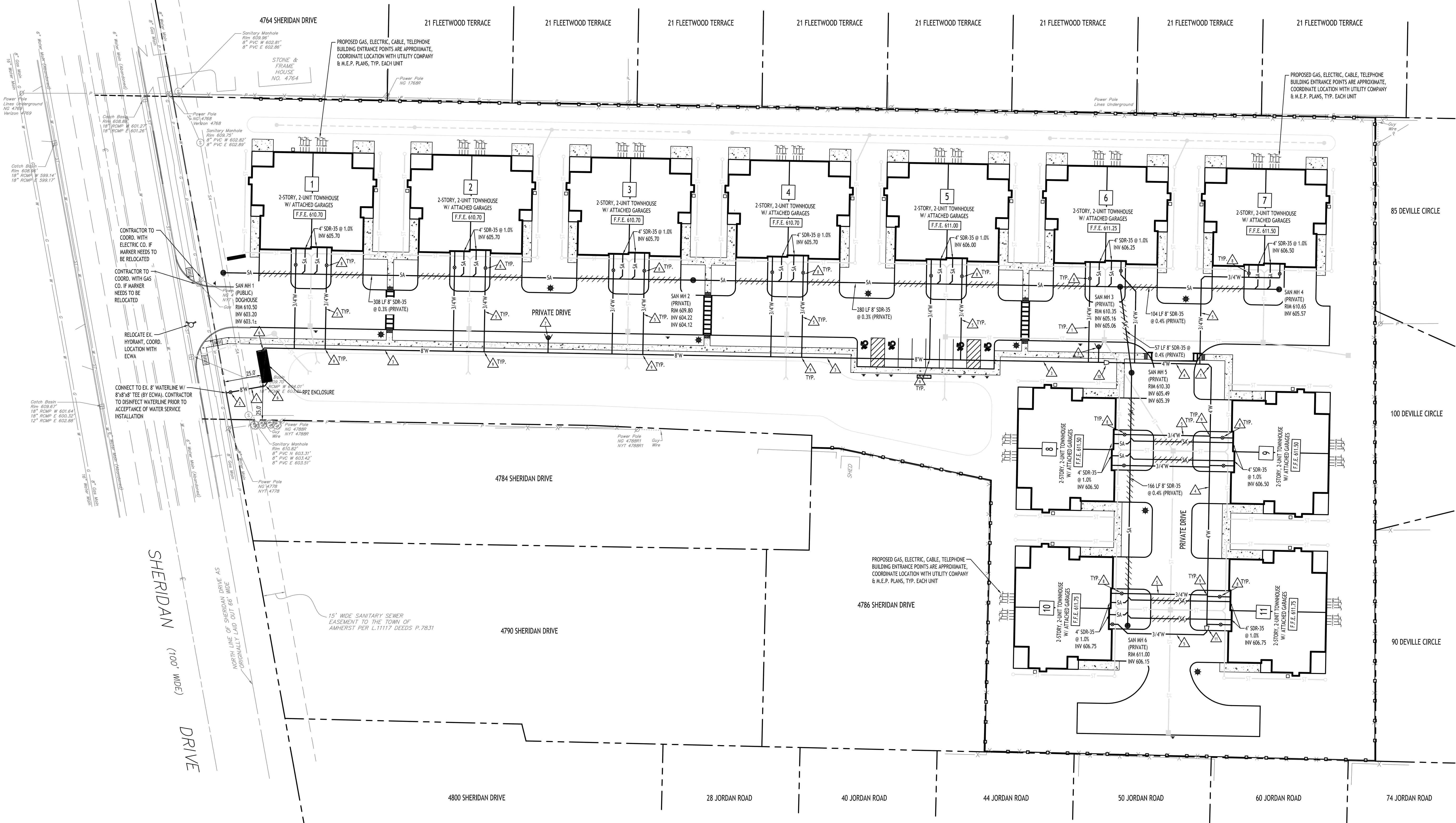
**Proposed Multi-Family**  
 4774 & 4780 Sheridan Drive  
 Amherst, NY

**CARMINA WOOD**  
**DESIGN**  
 Buffalo | Utica | Greensboro

REVISIONS:	Date
No. Description	



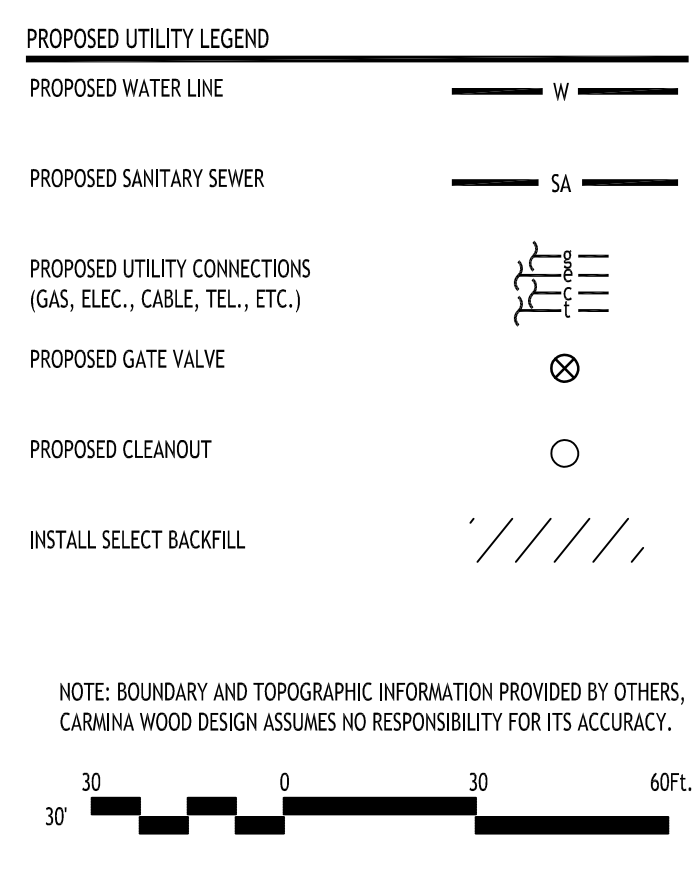
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Utility Plan  
SCALE: 1"=30'

- WATER NOTE LEGEND**
- ▲ 8" CLASS 52 DUCTILE IRON
  - ▲ 8" VALVE AND BOX
  - ▲ 8" ANWA C-900 PVC COMBINED SERVICE
  - ▲ 4" ANWA C-900 PVC DOMESTIC SERVICE
  - ▲ 3/4" TYPE 'K' COPPER DOMESTIC SERVICE
  - ▲ PROVIDE BENDS AND BLOCKING AS NECESSARY
  - ▲ HYDRANT ASSEMBLY
  - ▲ 3/4" VALVE AND BOX
  - ▲ 3/4" CORP. STOP
  - ▲ 8"x4" REDUCER
  - ▲ 4"x3/4" REDUCER

- UTILITY NOTES:**
1. FOR ALL SANITARY SEWERS, INSTALL SELECT FILL IN PAVED AREAS, EXTEND 5' MIN. BEYOND PAVEMENT LIMITS
  2. BUILDINGS TO HAVE INVERT ELEVATION 5' MIN. BELOW F.F.E. OF THE BUILDING. PIPE TO BE 6" SDR-35 PVC @ 1.0% MIN. WITH MIN 4" OF COVER. ADD CLEANOUTS @ 90' MAX. SPACING FOR 6" LATERALS OVER 90' IN LENGTH.
  3. COORDINATE GAS & ELEC. METER BANK LOCATIONS ON BUILDINGS WITH M.E.P. PLANS & UTILITY CO.S.
  4. COORDINATE LOCATION OF CTY & TELEPHONE SERVICE TO BUILDINGS WITH M.E.P. PLANS AND UTILITY CO.S.
  5. ANY EXISTING UTILITIES WHICH ARE TO BE ABANDONED AND FALL UNDER PAVEMENT OR BUILDINGS SHALL BE REMOVED VS. BEING ABANDONED UNLESS THOSE UTILITIES ARE FILLED WITH FLOWABLE FILL.
  6. A MINIMUM OF 10 FEET HORIZONTAL AND 18 INCHES OF VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN ALL SANITARY SEWER AND WATER SERVICES.
  7. SELECT BACKFILL IS REQUIRED FOR ALL UTILITIES (GAS, WATER, STORM, SANITARY) THAT CROSS THROUGH CONCRETE AND ASPHALT PAVEMENT AREAS.



**Proposed Multi-Family**  
4774 & 4780 Sheridan Drive  
Amherst, NY

REVISIONS:

No.	Description	Date

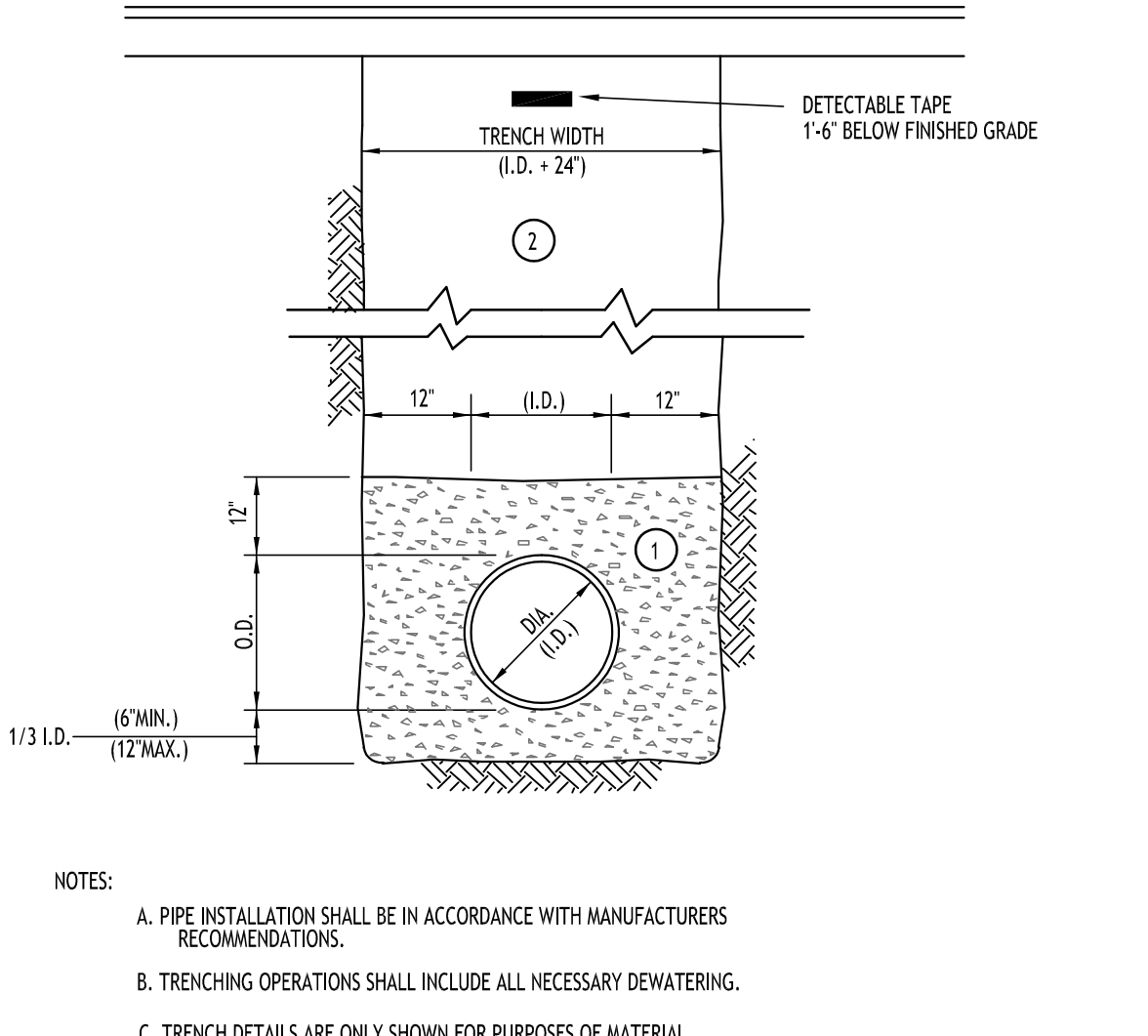


DRAWING NAME:  
**Utility Plan**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

DRAWING NO.  
**C-400**  
Project No: 23-4091

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- NOTES:
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  - B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
  - C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
  - D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

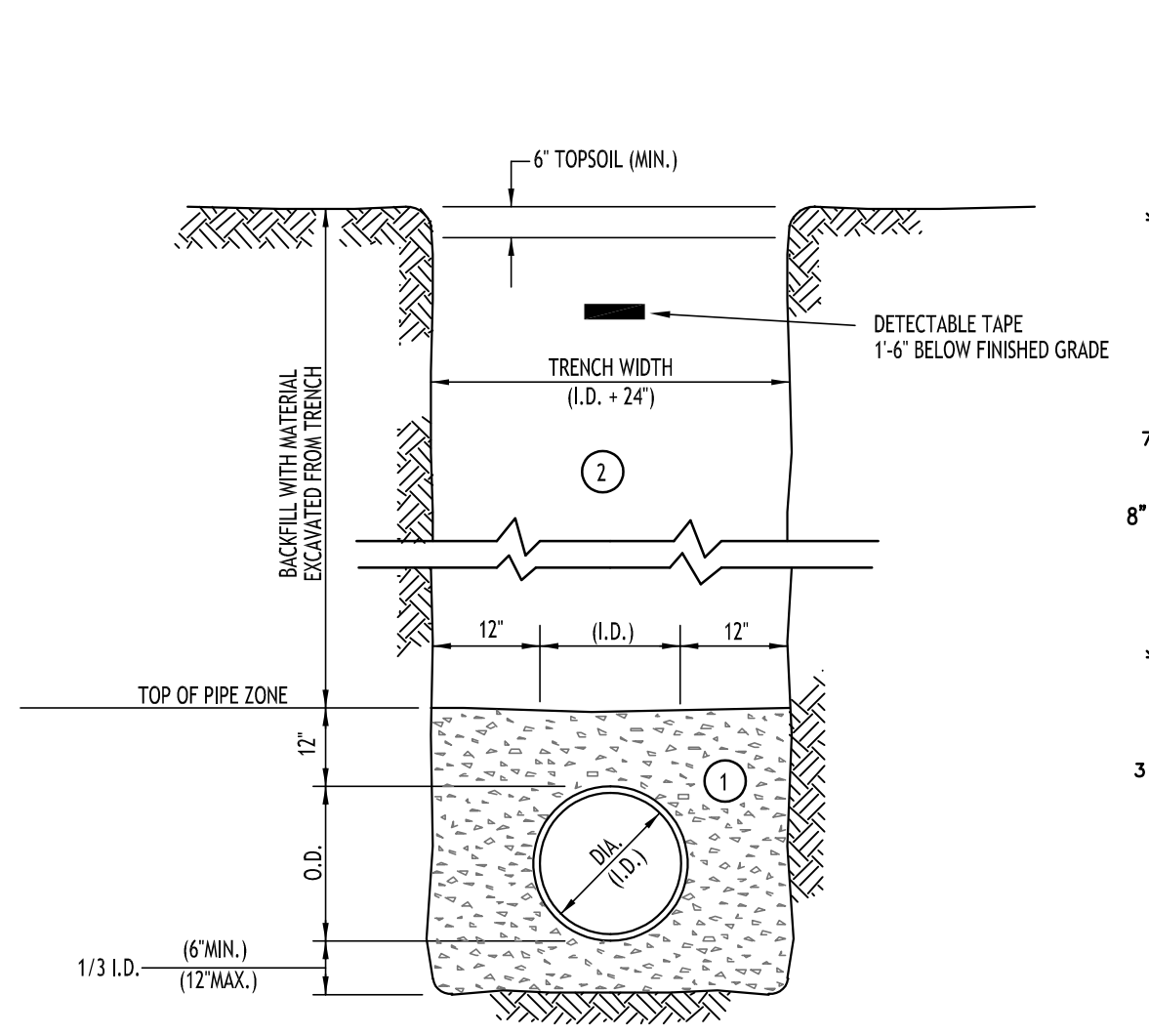
**MATERIALS**  
PIPE BEDDING MATERIAL (MYSOOT 1985 EDITION)

1 NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH MYSOOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL

2 TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH MYSOOT SECTION 304-2.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL



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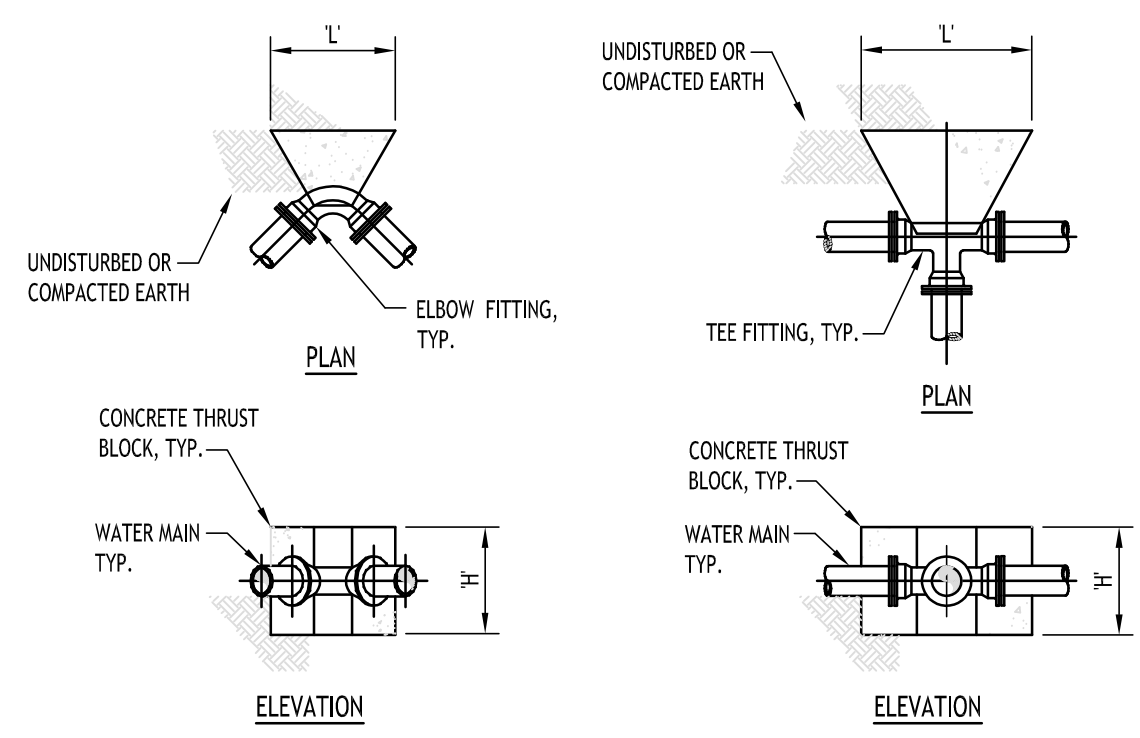
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PIPE BEDDING MATERIAL (MYSOOT 1985 EDITION)

1 NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH MYSOOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL

2 BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL COMPACTED IN 6" LIFTS.

**SEWER/WATERLINE TRENCH SECTION IN PAVED AREAS**  
NOT TO SCALE

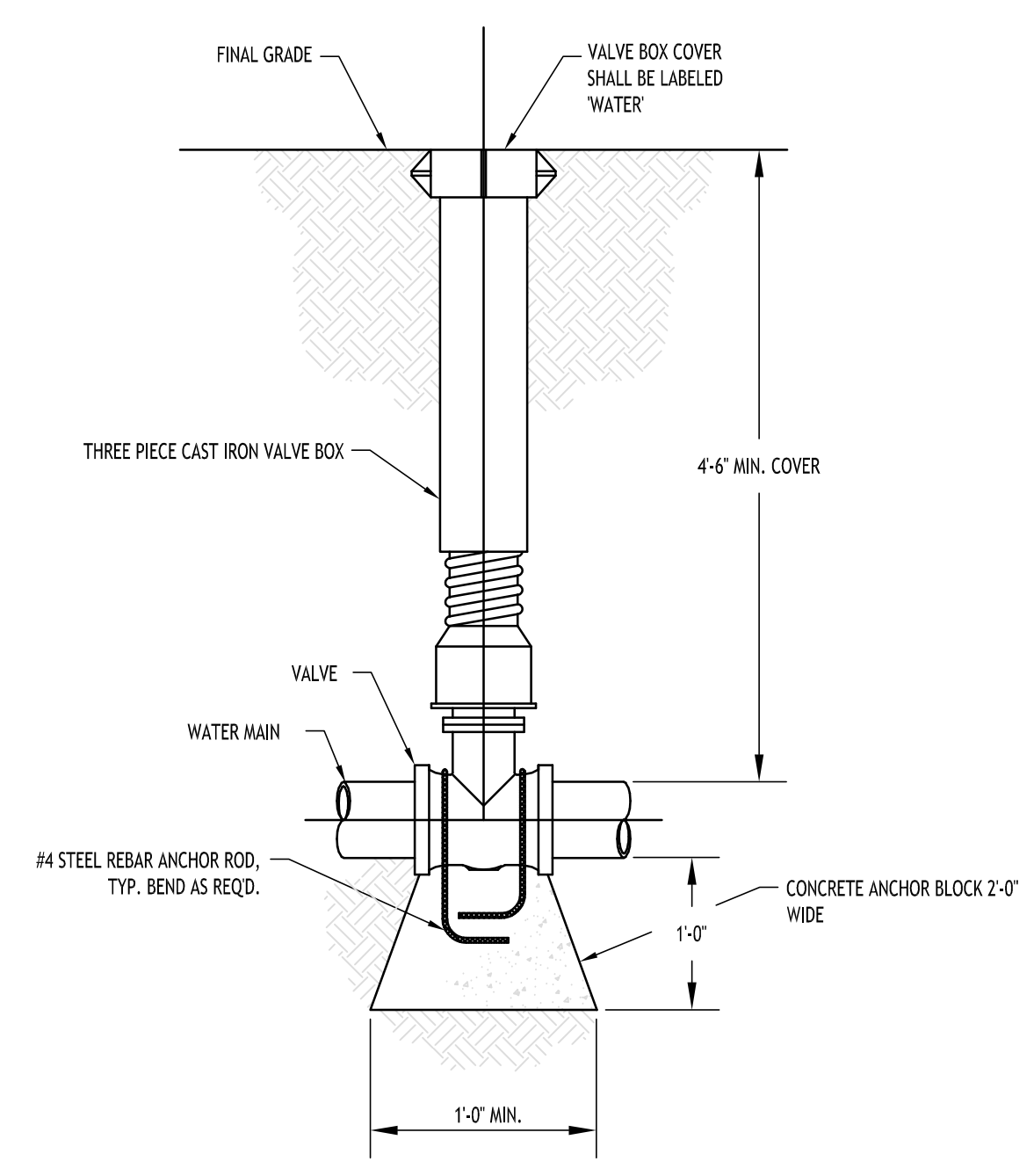


PIPE SIZE	90° ELBOW		45° ELBOW		22.5° ELBOW		11.25° ELBOW	
	H'	L'	H'	L'	H'	L'	H'	L'
4"	1.5'	2.0'	1.0'	2.0'	1.0'	1.0'	1.0'	1.0'
6"	2.0'	2.5'	1.5'	2.0'	1.0'	1.5'	1.0'	1.5'
8"	2.5'	3.5'	2.0'	2.5'	1.5'	1.5'	1.0'	2.0'
10"	3.0'	4.5'	2.5'	3.0'	1.5'	3.0'	1.0'	2.5'
12"	3.5'	5.0'	3.0'	3.5'	2.5'	2.5'	1.5'	2.5'

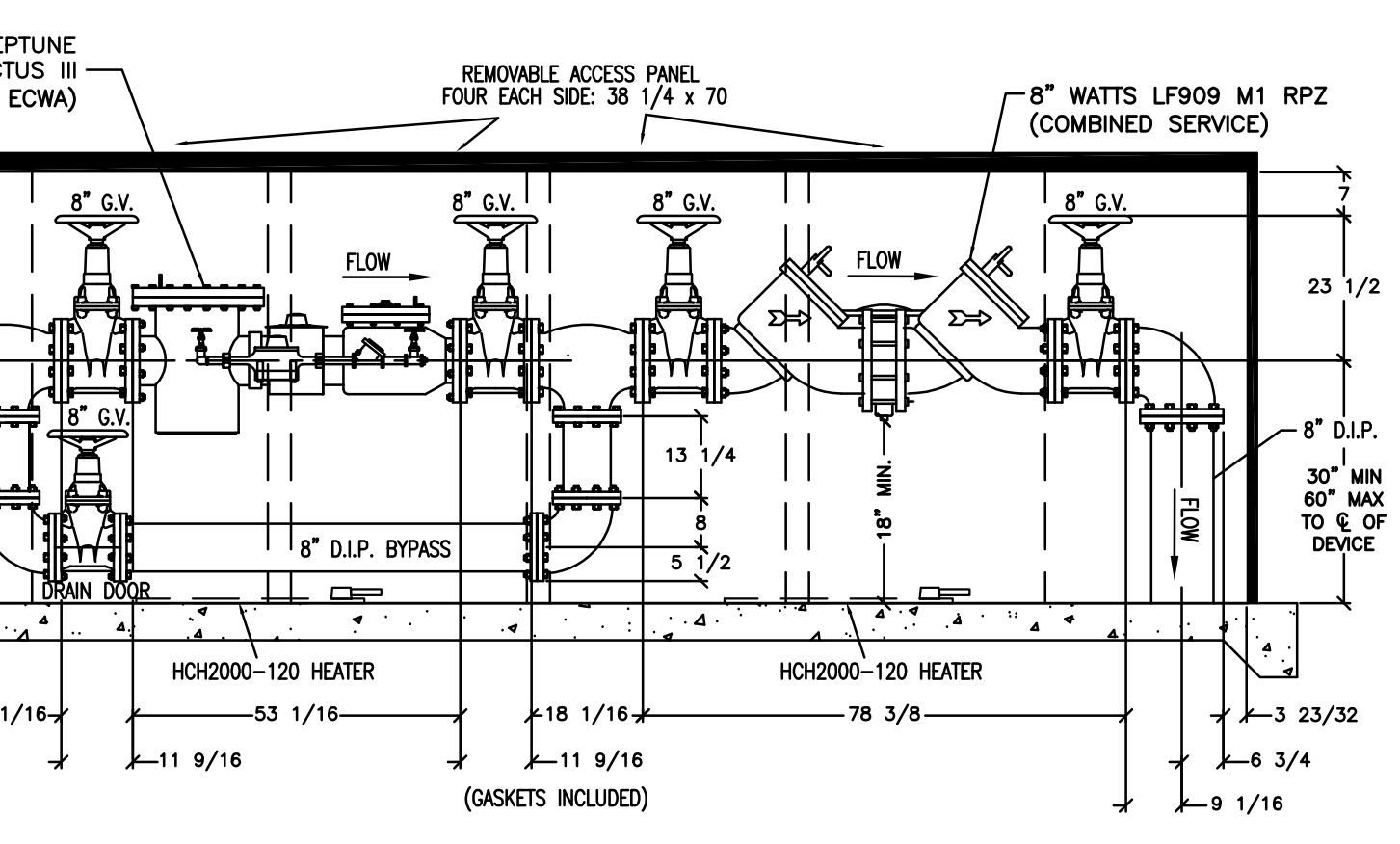
PIPE SIZE	THRUST BLOCK SCHEDULE	
	H'	L'
4"	1.5'	1.0'
6"	1.5'	2.5'
8"	1.5'	3.5'
10"	2.5'	3.5'
12"	3.5'	3.5'

**THRUST BLOCK SCHEDULE**

**SEWER/WATERLINE TRENCH SECTION IN UNPAVED AREAS**  
NOT TO SCALE

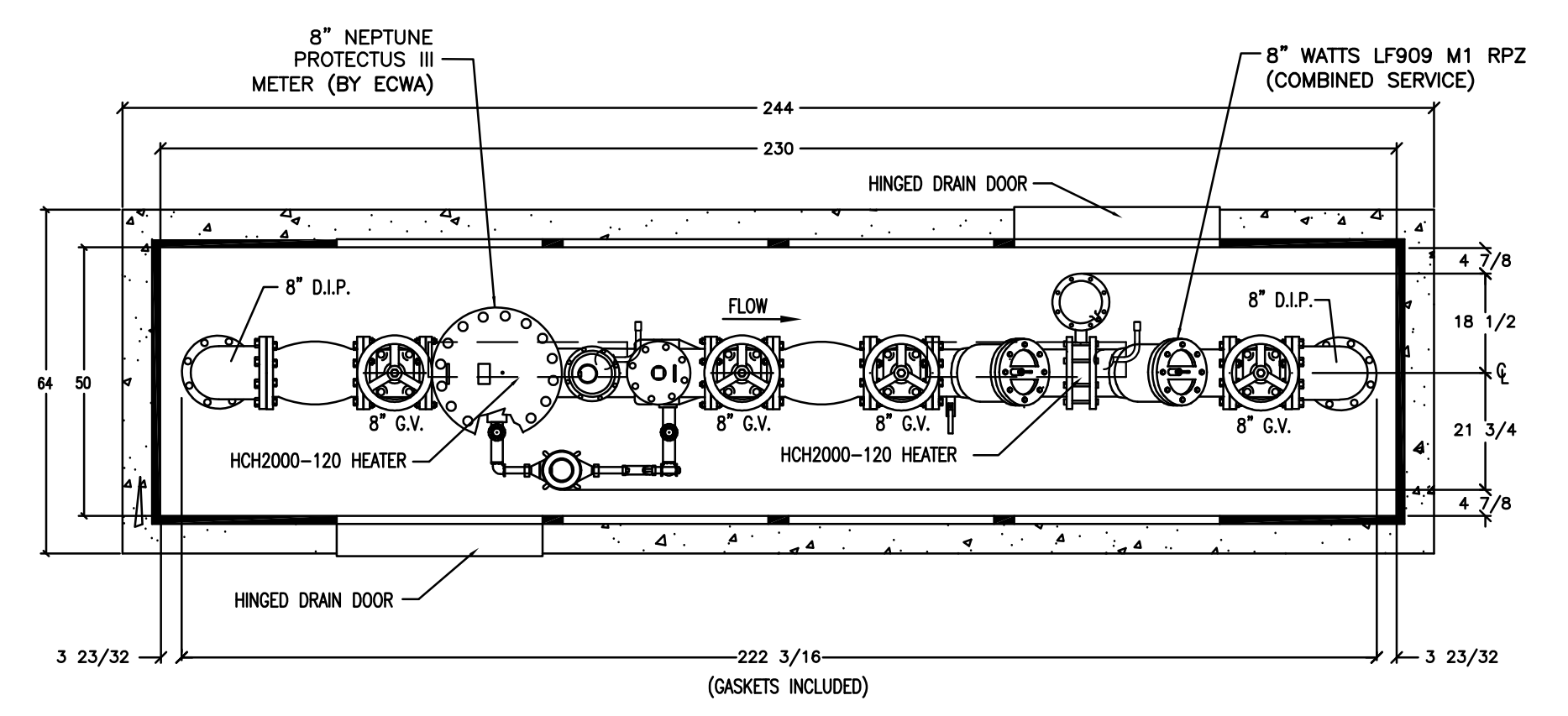


**TYPICAL GATE VALVE DETAIL**  
NOT TO SCALE

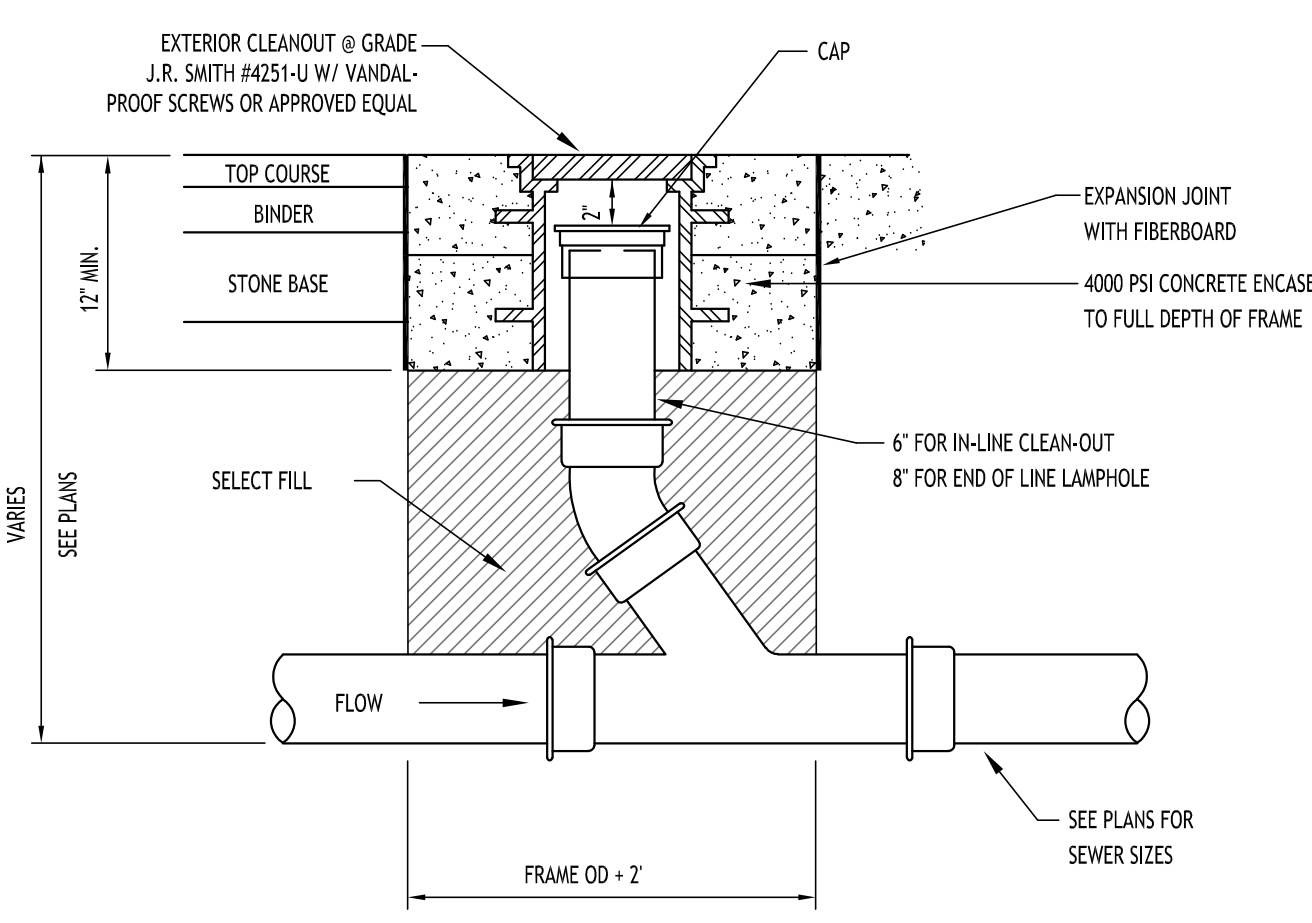


- NOTES:
1. BACKFLOW PREVENTER DIMENSIONS FURNISHED BY WATTS.
  2. ALL DIMENSIONS ARE IN INCHES.
  3. WALL & INSULATION THICKNESS IS 1-1/2".
  4. ROOF & INSULATION THICKNESS IS 3".
  5. ENCLOSURE SHOWN IS SAFE-T-COVER MODEL 1000D-ALC00-17.
  6. EXTERIOR ENCLOSURE DIMENSIONS: 53"W x 233"L x 73" H.
  7. CONCRETE PAD IS 64"W x 244"L x 6" THK W/W.W.F. 6X6/10X10.
  8. METER SHOWN: 8" PROTECTUS III, SPOOL PIECE & METER SUPPLIED BY ECWA, VERIFY DIMENSIONS PRIOR TO ORDERING.
  9. RPZ SHOWN: 8" WATTS LF909 M1.
  10. CONTRACTOR TO INSTALL ELECTRIC SERVICE TO ENCLOSURE, COORDINATE SOURCE WITH OWNER.
  11. INSTALL A 120V GFI OUTLET IN THE ENCLOSURE.
  12. HEATERS TO HAVE THERMOSTAT CONTROL.

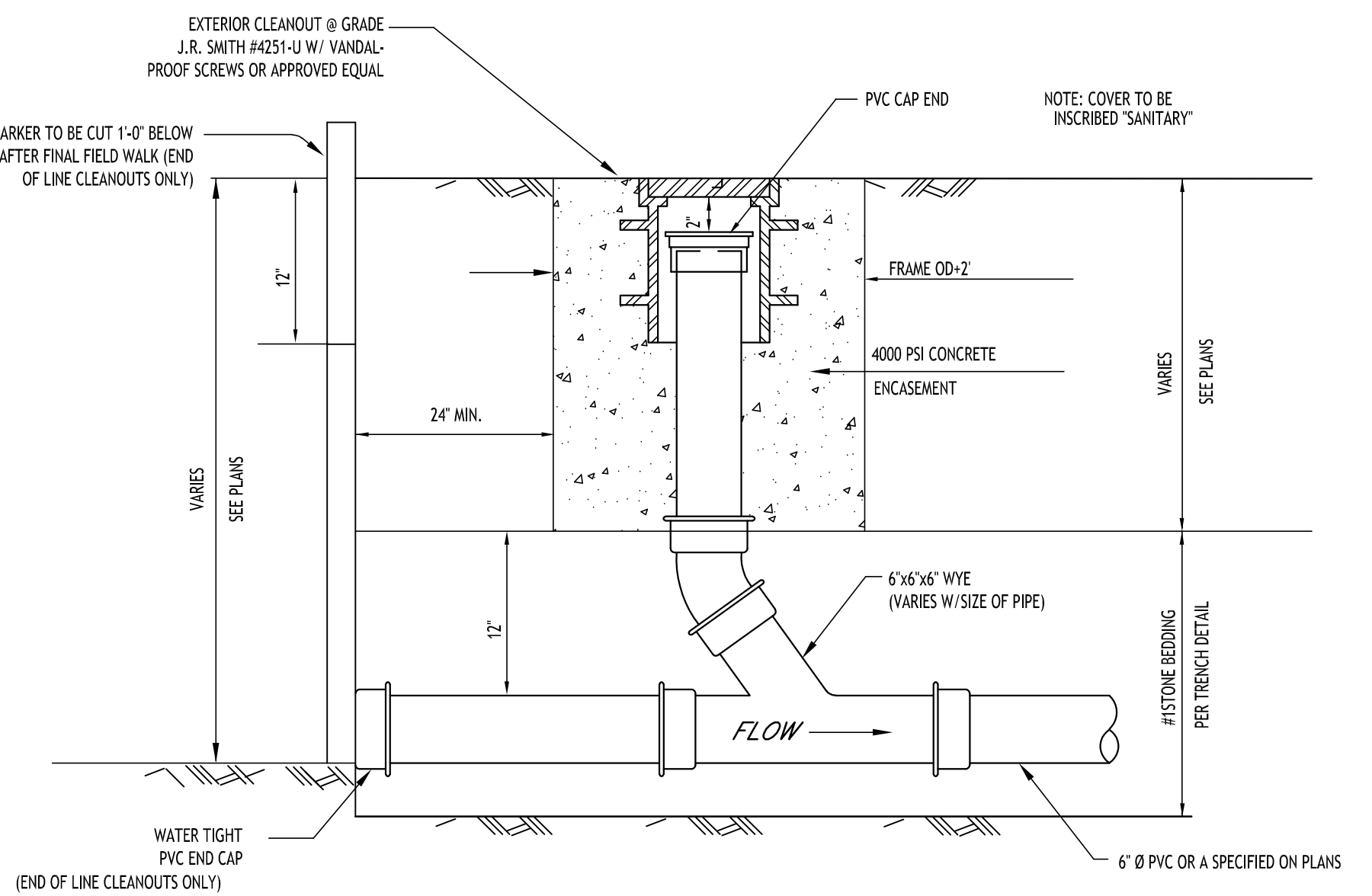
**8" METER & RPZ INSULATED ENCLOSURE**  
N. T. S.



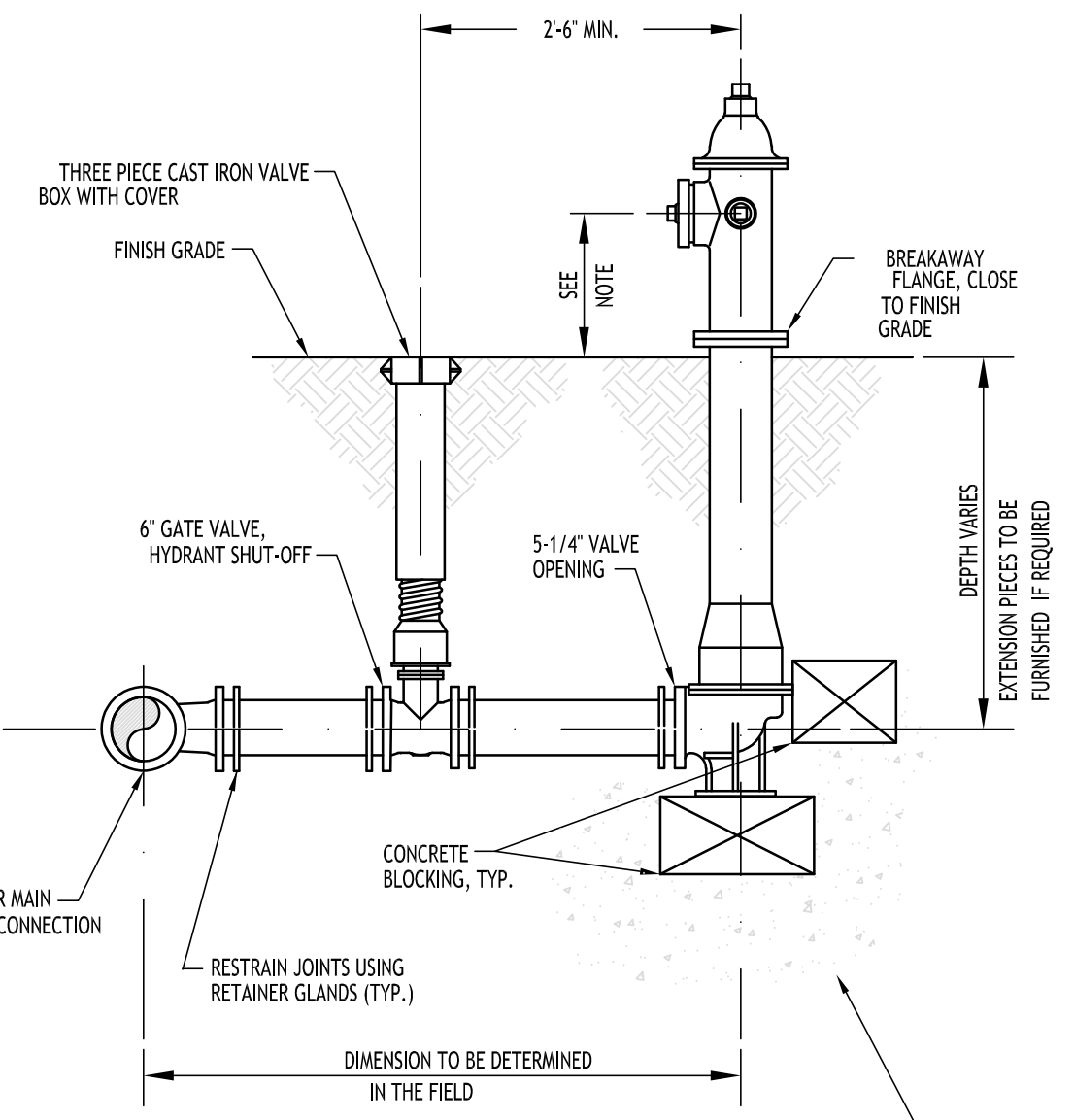
- LEGEND:
- [Symbol] REMOVABLE ACCESS PANEL 38 1/4" W x 70" H w/ DRAIN DOOR
  - [Symbol] REMOVABLE ACCESS PANEL 38 1/4" W x 70" H



**LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK**  
NOT TO SCALE



**LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS**  
NOT TO SCALE



**TYPICAL FIRE HYDRANT ASSEMBLY DETAIL**  
NOT TO SCALE

NOTE: CENTERLINE OF THE LOWEST NOZZLE TO FINISH GRADE SHALL BE A MIN. OF 15' & MAX. OF 18'

REVISIONS:	No.	Description	Date



DRAWING NAME:  
**Utility Details**

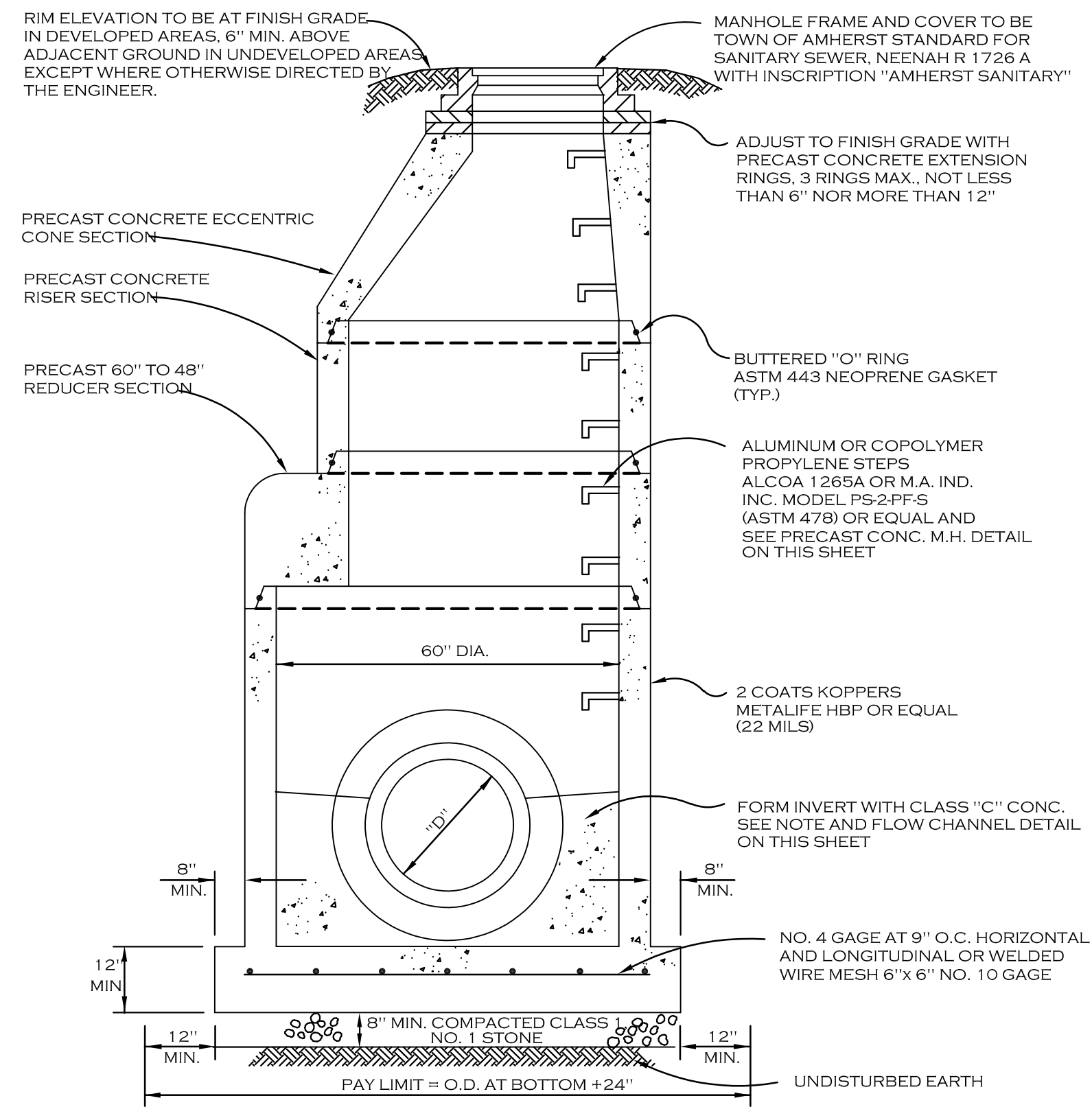
Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

DRAWING NO.  
**C-401**  
Project No: 23-4091

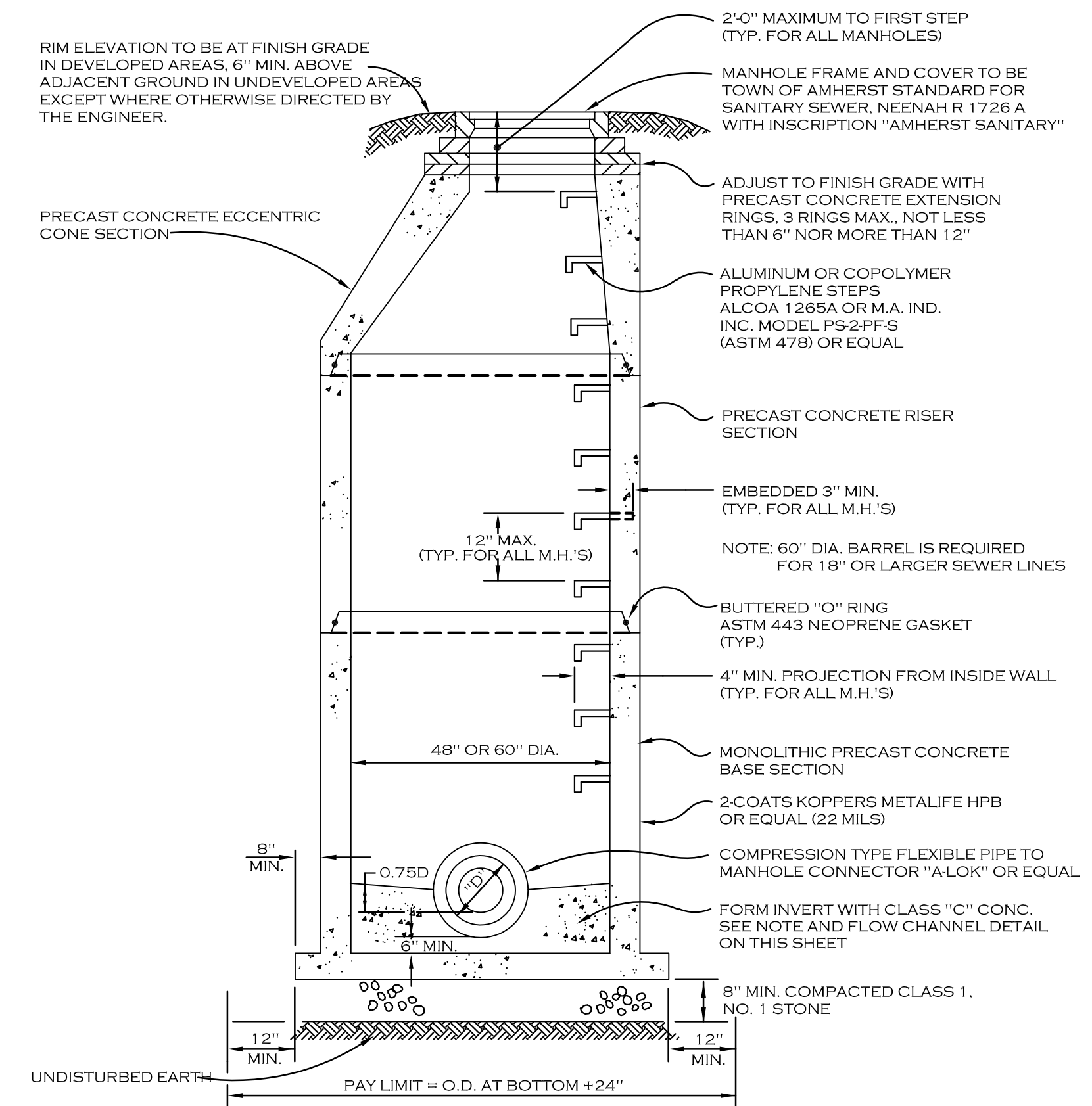
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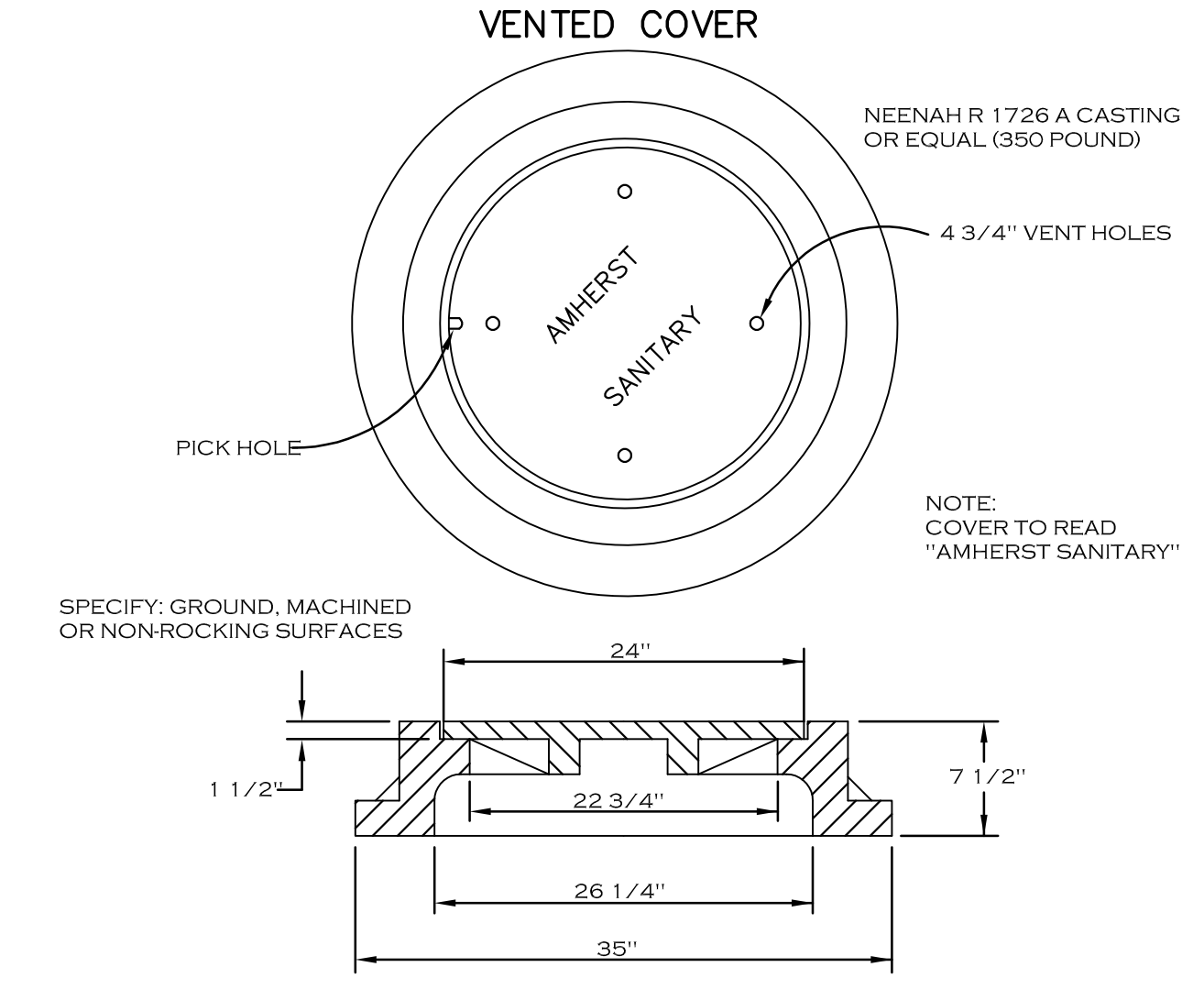
### PRECAST CONCRETE MANHOLE OVER EXISTING SEWER (18"-30" DIA.)



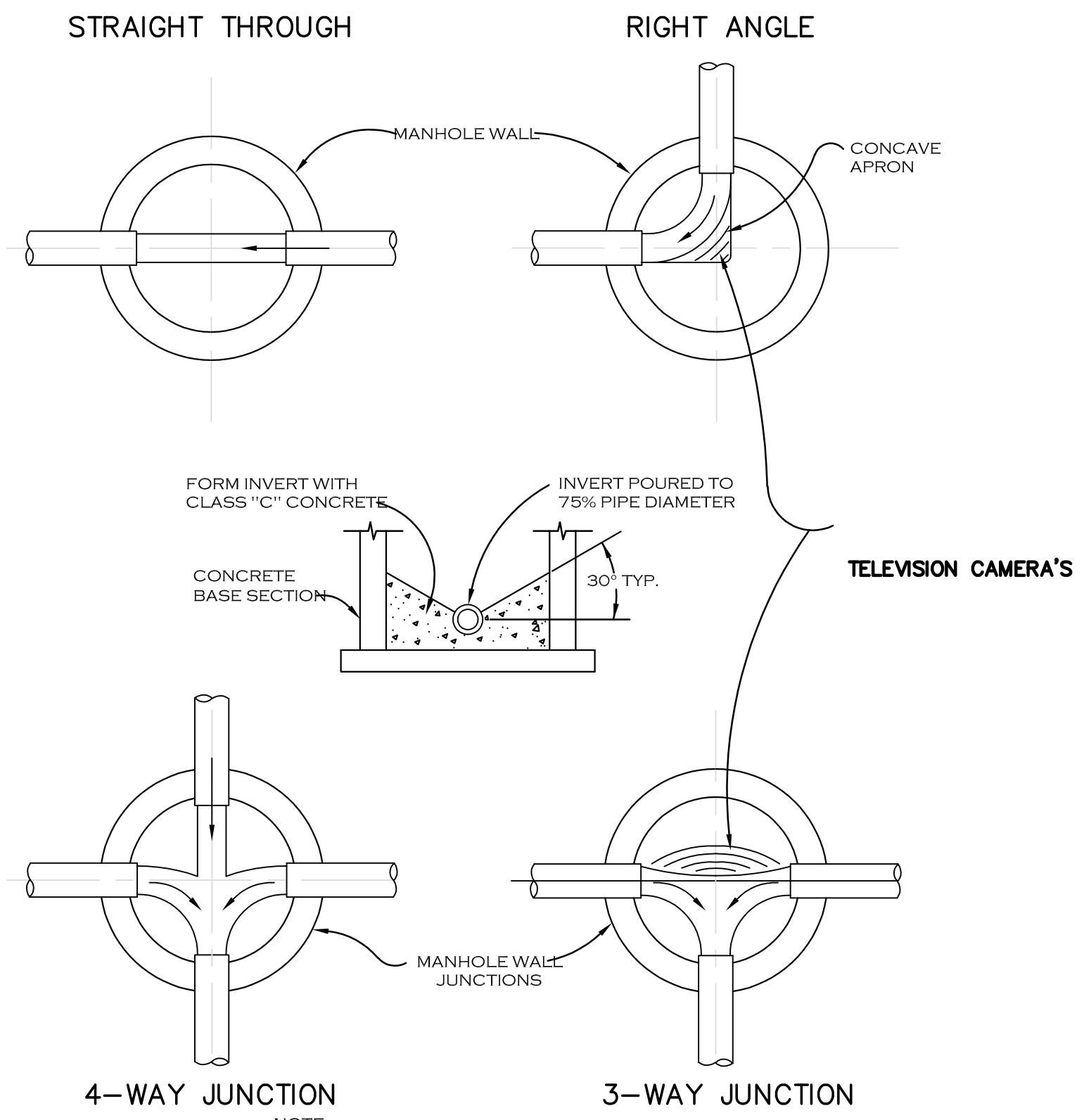
### PRECAST CONCRETE MANHOLE



### STANDARD MANHOLE FRAME AND COVER



### FLOW CHANNEL DETAIL SANITARY SEWERS



NOTE: FLOW CHANNELS MUST ALLOW PLACEMENT, REMOVAL AND PASSAGE OF T.V. CAMERAS. THE CAMERA DIMENSIONS ARE APPROXIMATELY 26" LONG X 6 1/2" SQUARE. A BLOCK OF WOOD OF THESE DIMENSIONS MAY BE USED TO SIMULATE THE SIZE OF THE CAMERA. THIS WILL SIMPLIFY THE FORMATION OF FLOW CHANNELS AND INVERTS.

DEPTH OF ALL CHANNELS TO BE 75% OF PIPE DIAMETER.

FINISH ALL CHANNELS AT PROPER GRADE AS TO ALLOW SMOOTH & UNOBSTRUCTED FLOW ALL INVERTS TO BE FLUSH WITH THE INSIDES.

**CARMINA WOOD**  
DESIGN  
Buffalo | Utica | Greensboro

**Proposed Multi-Family**  
4774 & 4780 Sheridan Drive  
Amherst, NY

REVISIONS:	Date
No. Description	



DRAWING NAME:  
**Sanitary Sewer Details**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

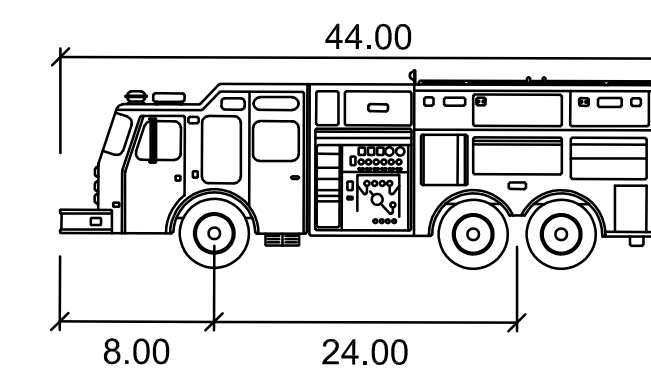
DRAWING NO.:

**C-402**

Project No: 23-4091



**Site Plan**  
SCALE: 1"=30'



**Pumper Fire Truck**

	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 37.8

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



REVISIONS:	No.	Description	Date



**DRAWING NAME:**  
Truck Turn  
Plan

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

**DRAWING NO.:**

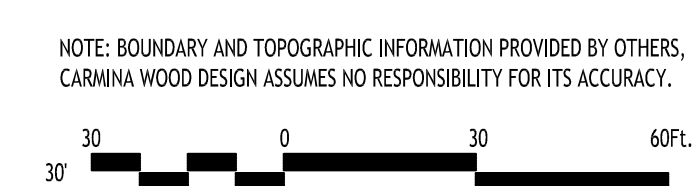
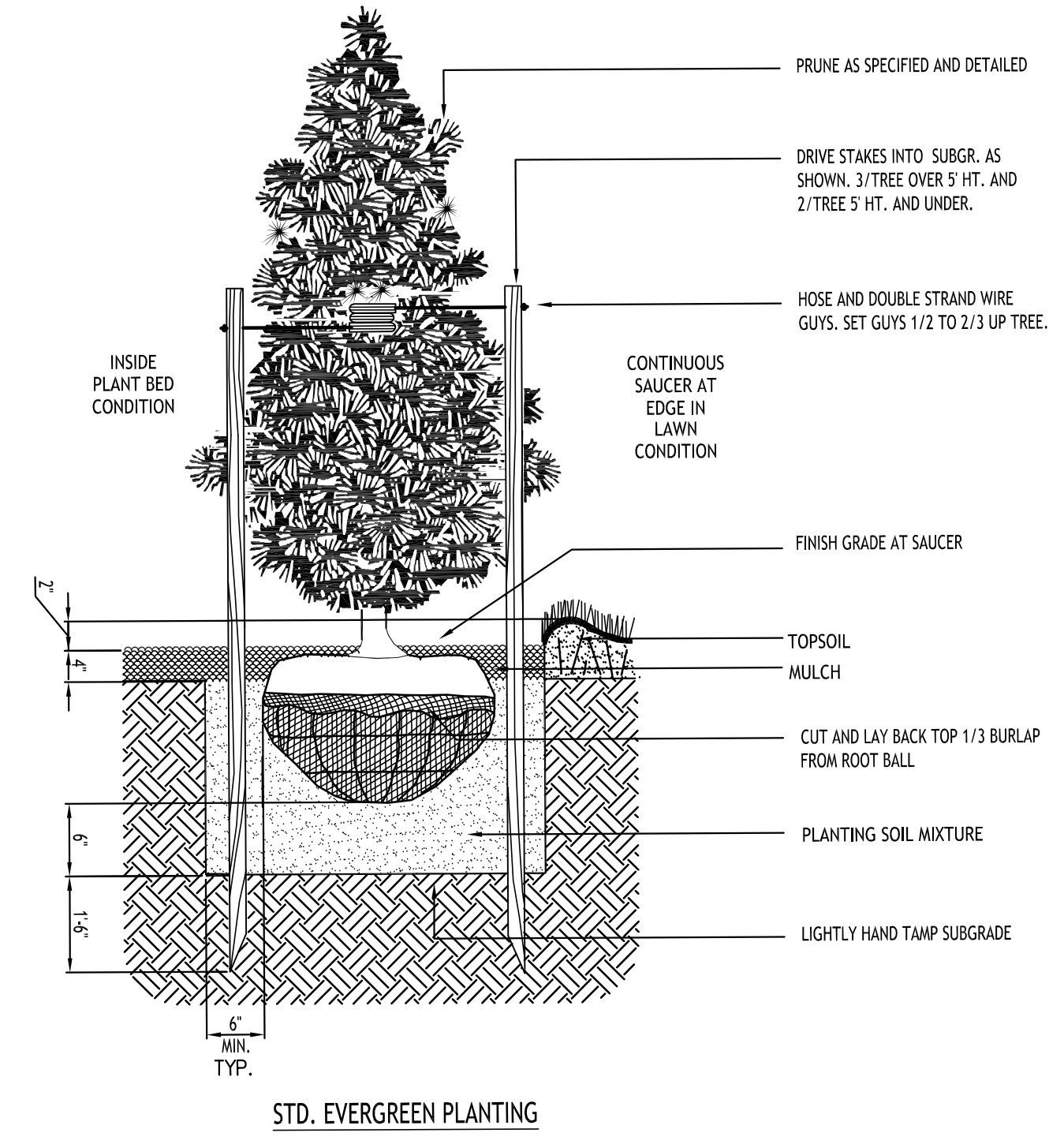
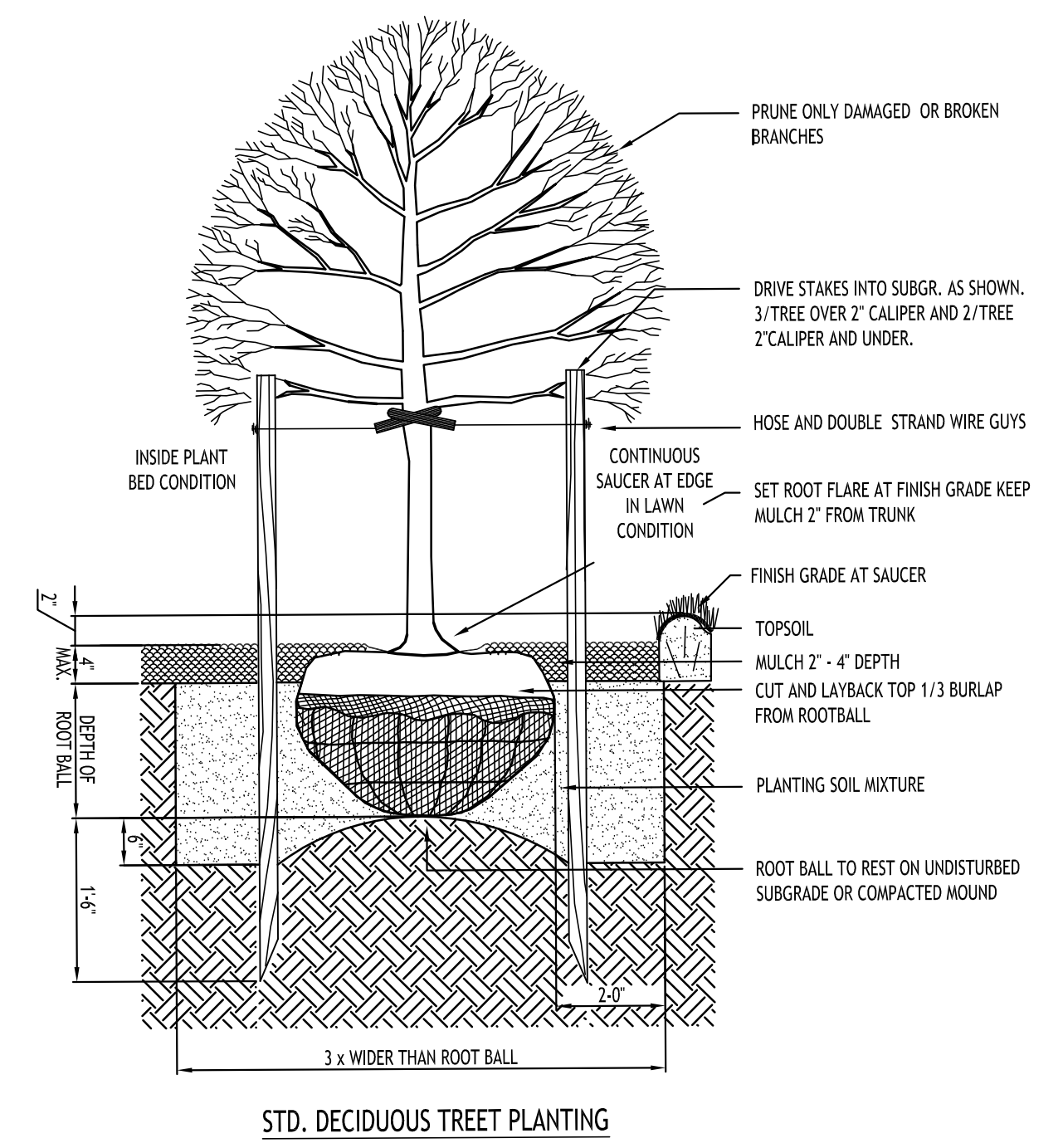
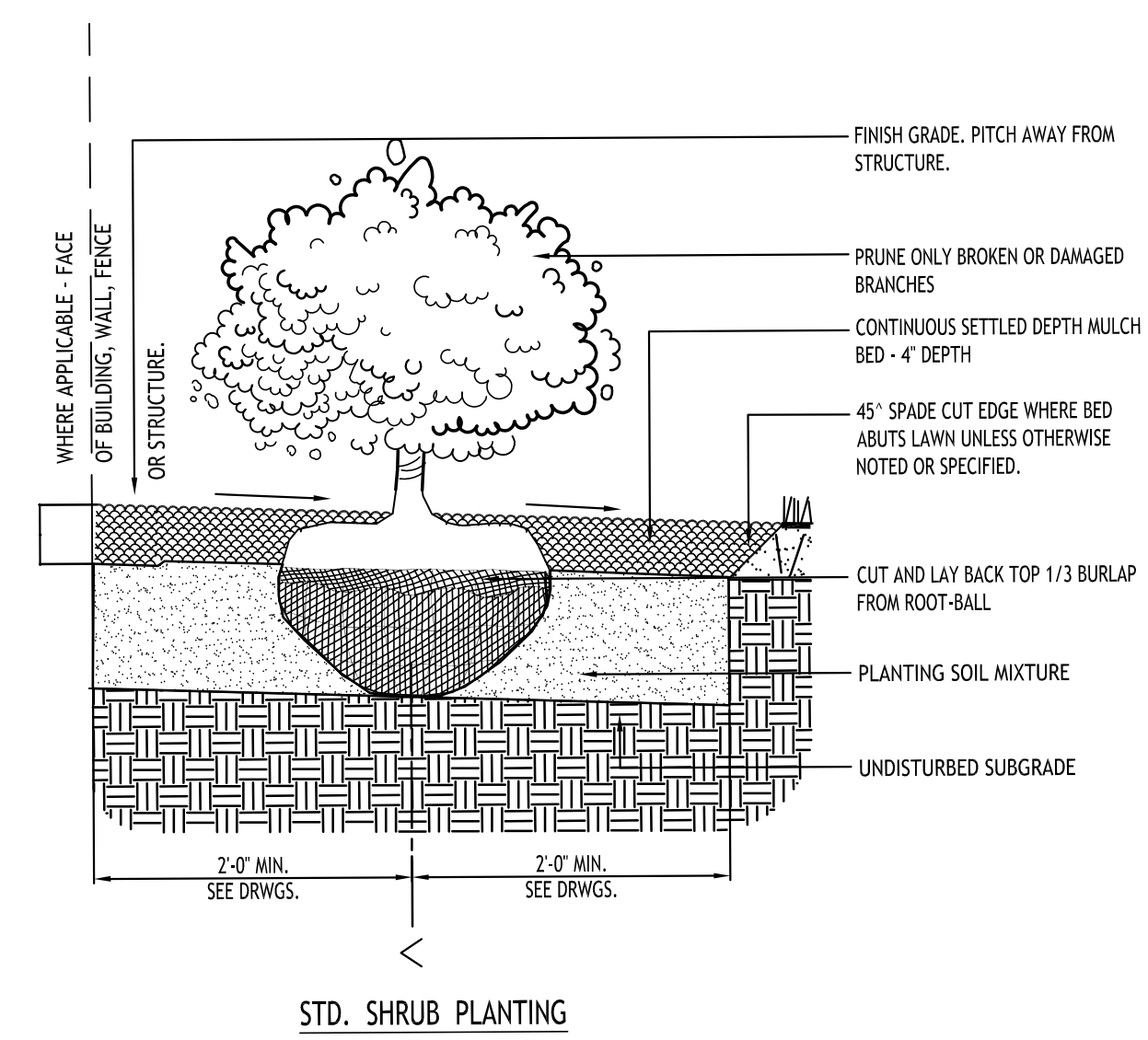
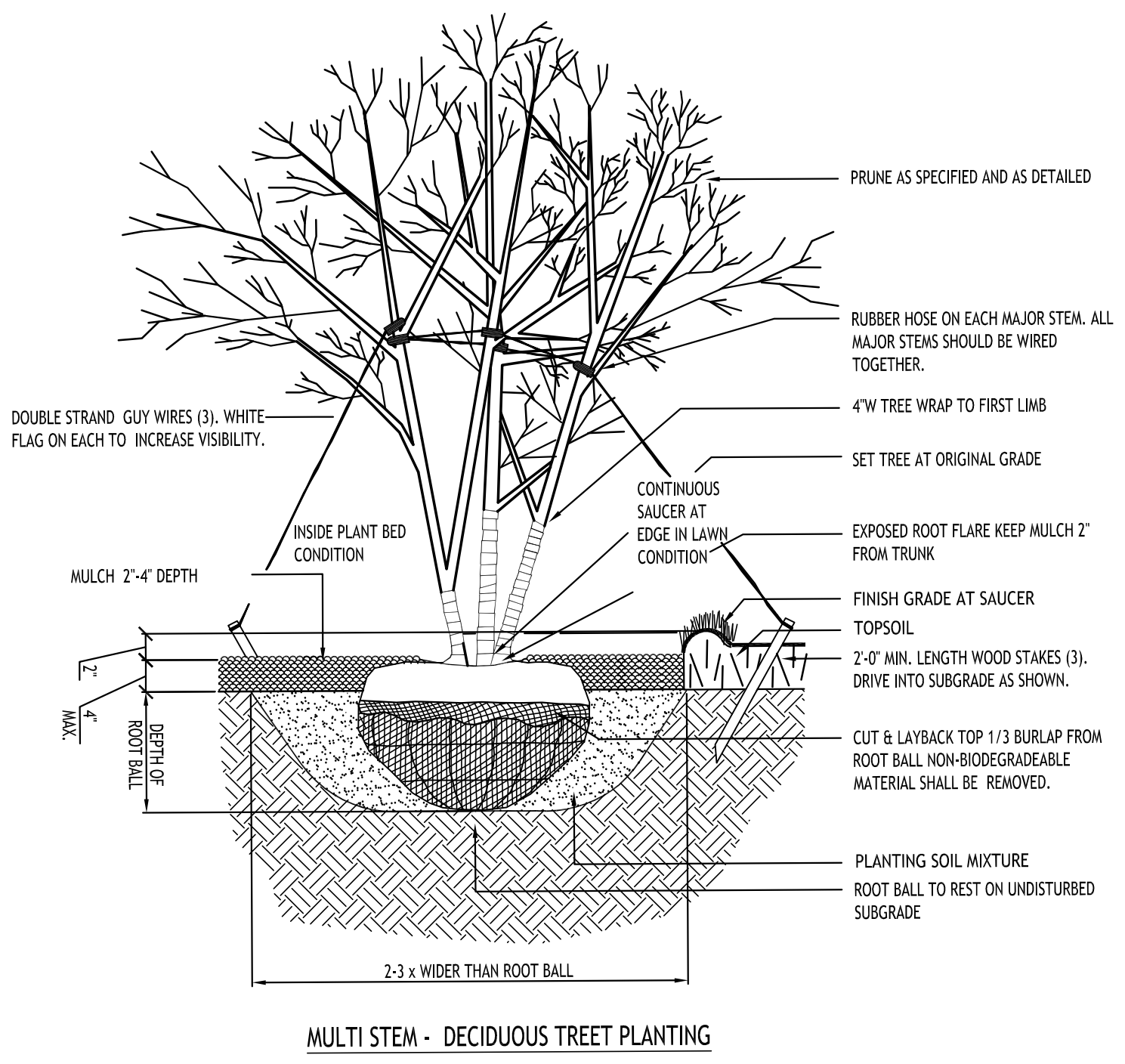
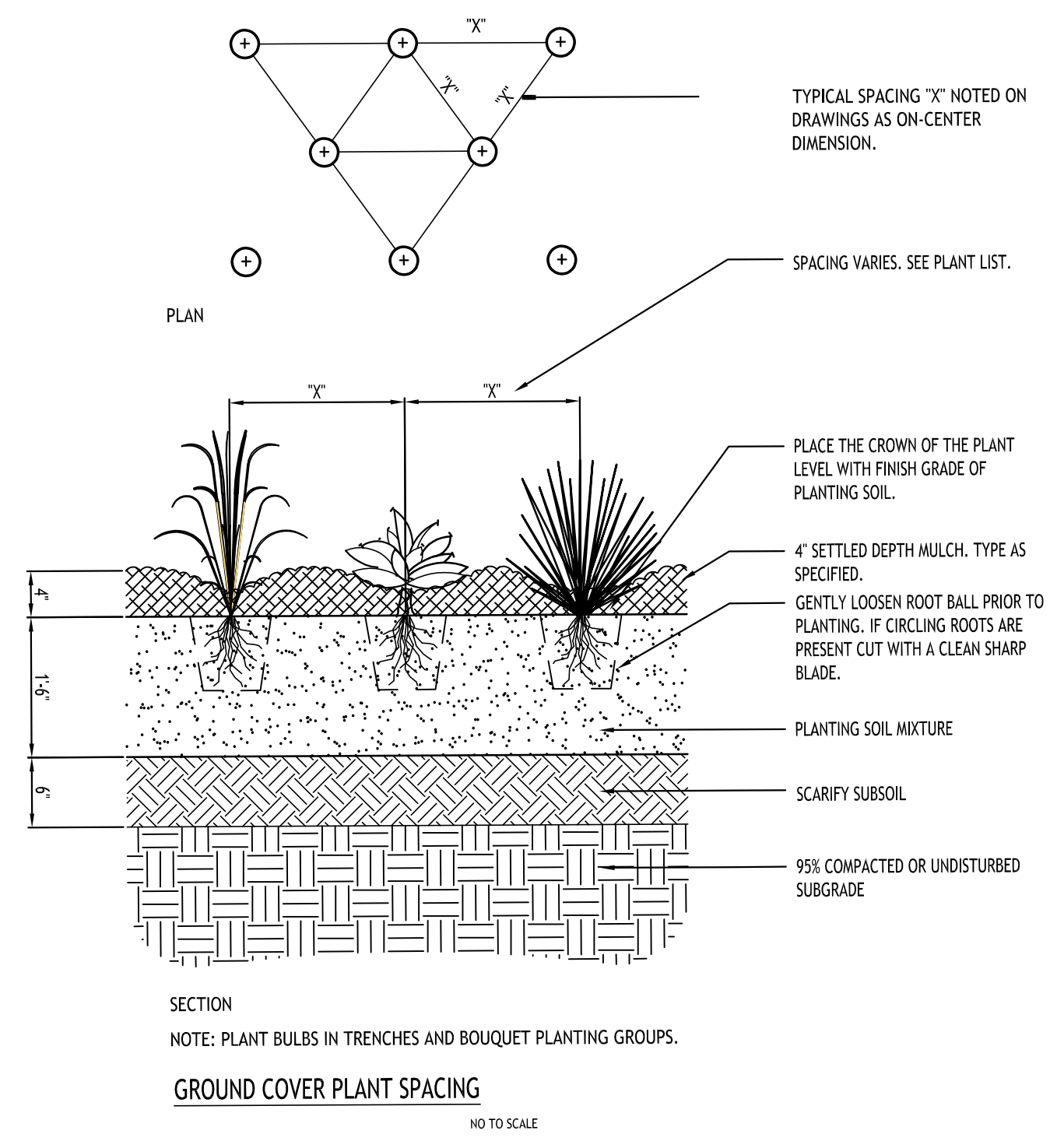
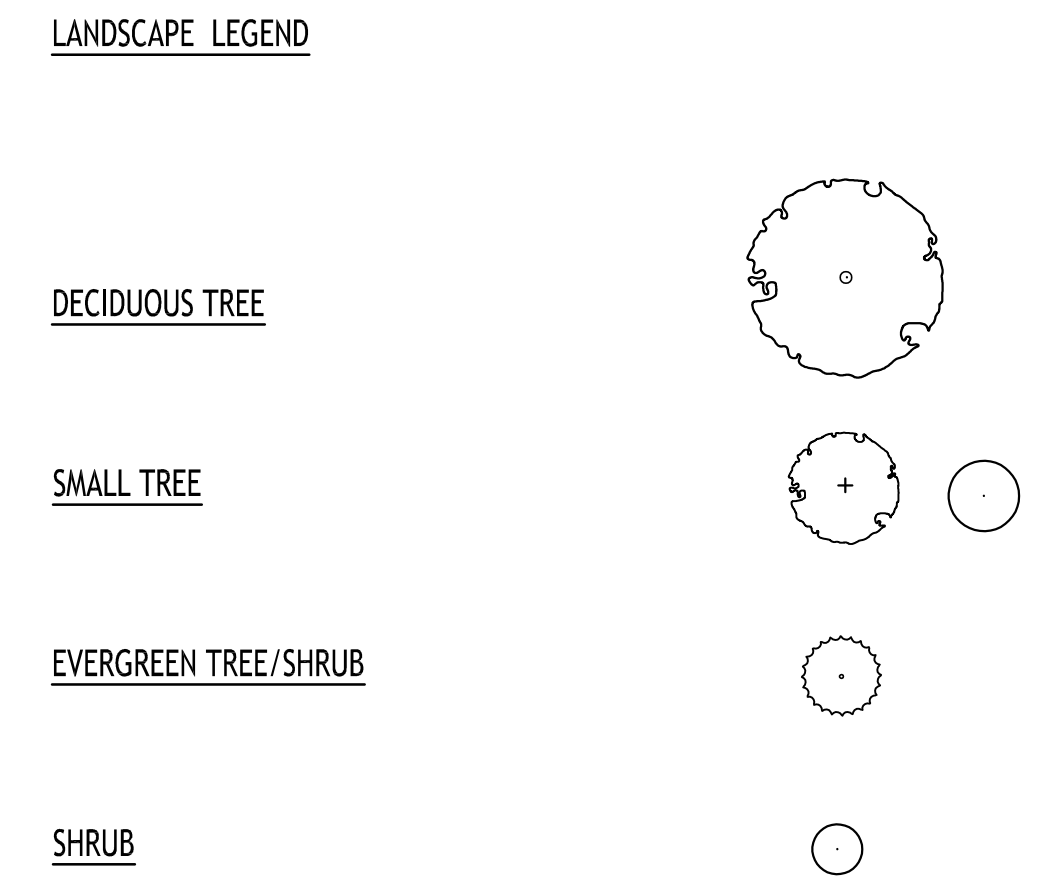
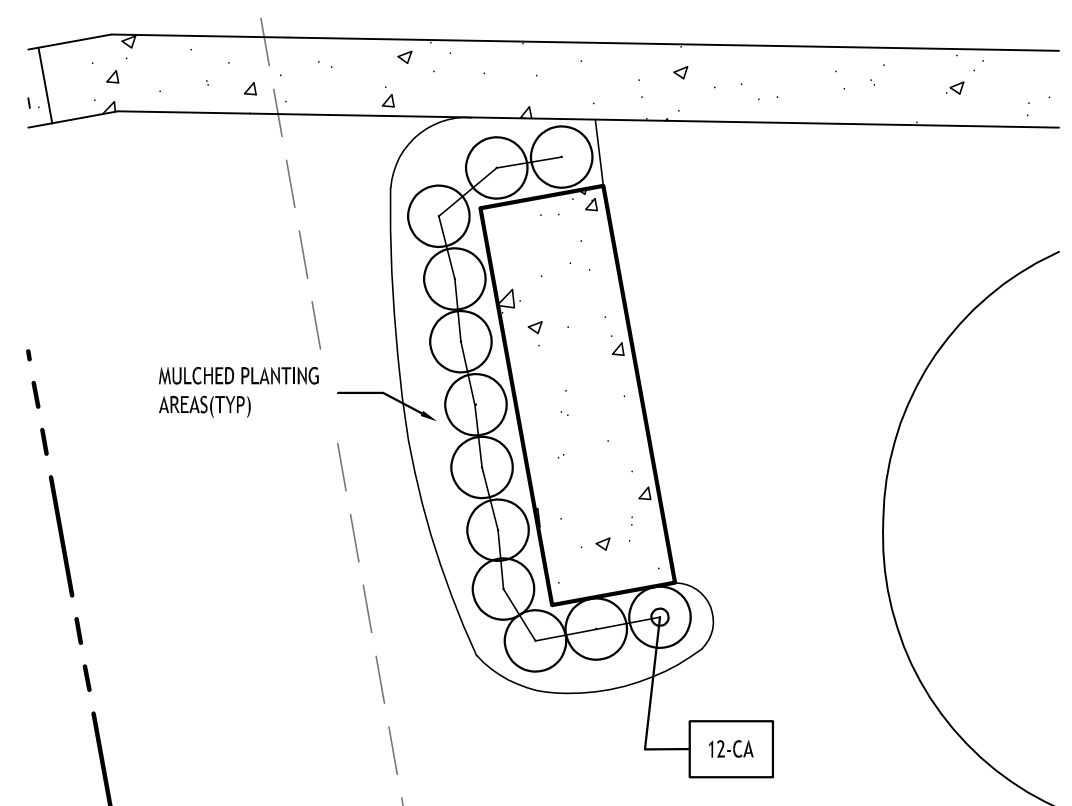
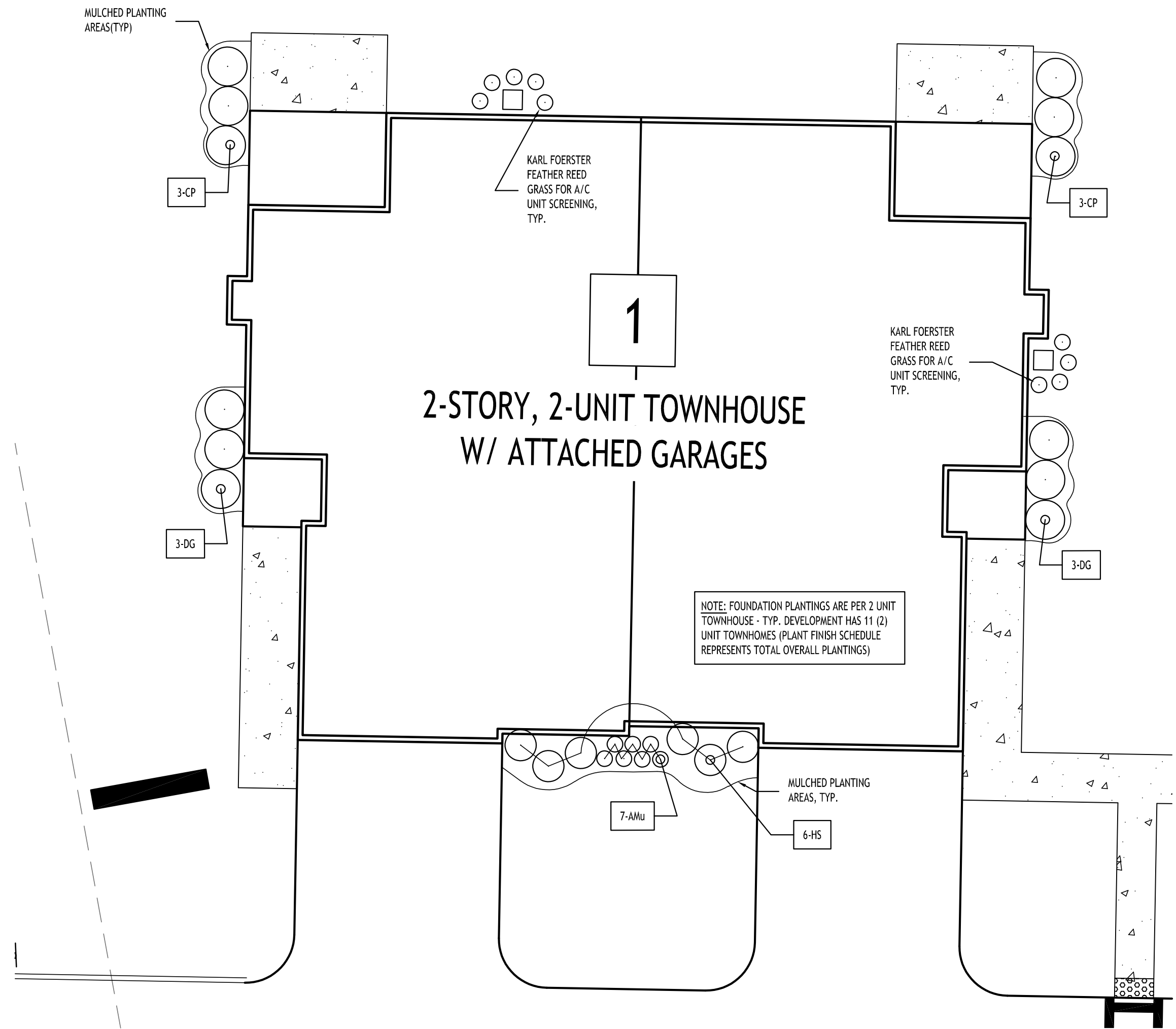
**CT-100**

Project No: 23-4091



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REVISIONS:	Date
No. Description	



**Robert C. Walter, RLA**  
Registered Landscape Architect  
Member American Society of Landscape Architects  
2765 Dodge Road, East Amherst, NY 14051-2113  
Phone: 716-364-5564  
RCWlandscapearchitect@gmail.com

**DRAWING NAME:**  
Landscape Foundation Plans Details

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted

**DRAWING NO.:**  
L-101  
Project No: 23-4091

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CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

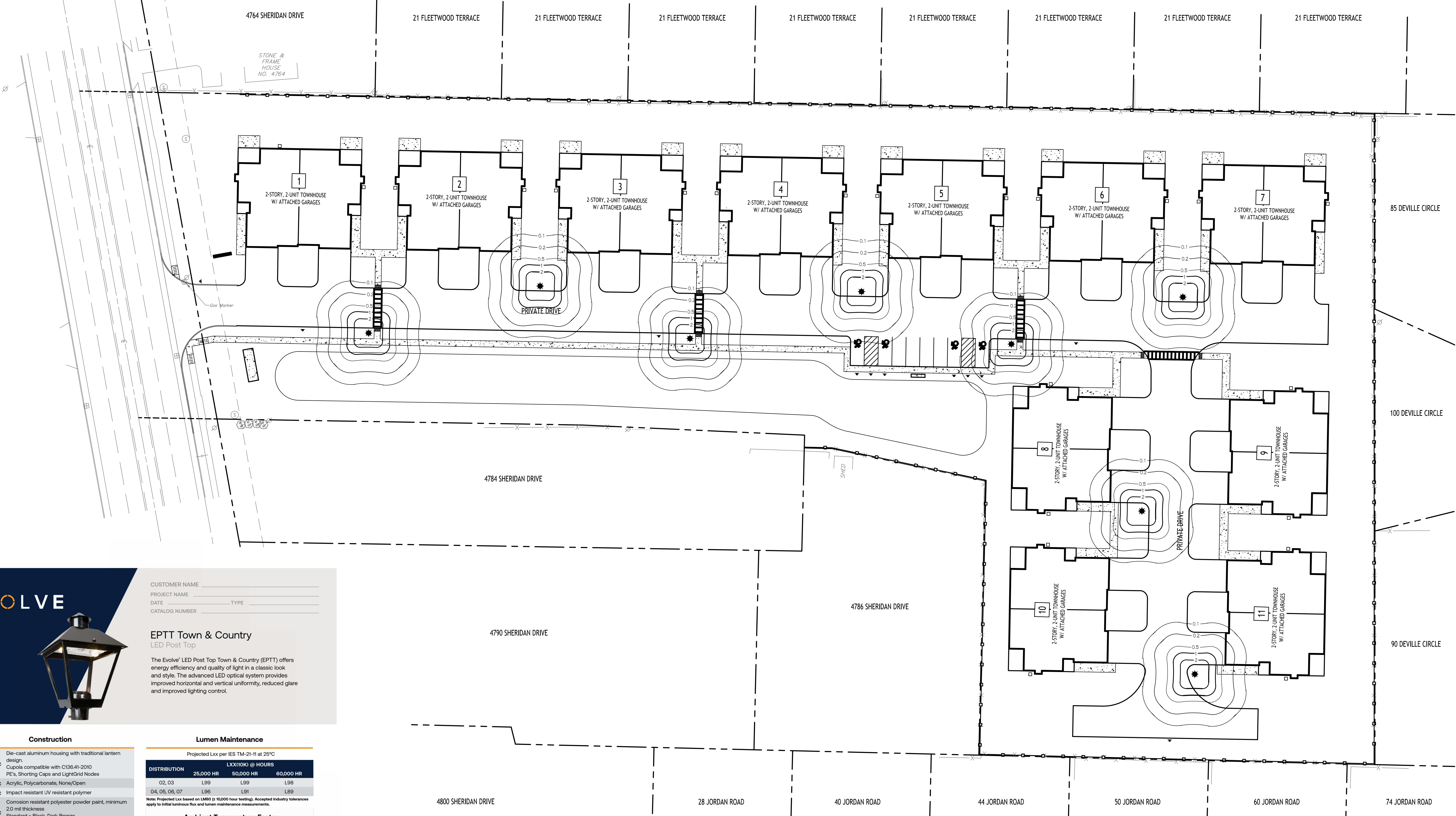
CATALOG NUMBER \_\_\_\_\_

**EPTT Town & Country**  
LED Post Top

The Evolve® LED Post Top Town & Country (EPTT) offers energy efficiency and quality of light in a classic look and style. The advanced LED optical system provides improved horizontal and vertical uniformity, reduced glare and improved lighting control.

Construction	
<b>Housing:</b>	Die-cast aluminum housing with traditional lantern design. Cupola compatible with C136.41-2010 PE's, Shorting Caps and LightGrid Nodes
<b>Refractors:</b>	Acrylic, Polycarbonate, None/Open
<b>Lens:</b>	Impact resistant UV resistant polymer Corrosion resistant polyester powder paint, minimum 2.0 mil thickness
<b>Paint:</b>	Standard - Black, Dark Bronze RAL & custom colors available
<b>Weight:</b>	14 - 18 lbs (B.2 - 8 kg)
Optical System	
<b>Lumens:</b>	2070-7970
<b>Distribution:</b>	Symmetric Asymmetric
<b>Efficacy:</b>	72-130
<b>CCT:</b>	2700K, 3000K, 4000K, 5000K
<b>CRI (Min):</b>	≥70
Electrical	
<b>Input Voltage:</b>	120-277V
<b>Input Frequency:</b>	50/60Hz
<b>Power Factor:</b>	≥ 90% at rated watts
<b>Total Harmonic Distortion:</b>	≤ 20% at rated watts
Surge Protection*	
<b>STANDARD</b>	<b>OPTIONAL</b>
<input type="checkbox"/> 10kV/5kA	<input type="checkbox"/> Secondary 10kV/5kA (R Option)

Lumen Maintenance			
Projected Lx per IES TM-21-11 at 25°C			
DISTRIBUTION	25,000 HR	50,000 HR	60,000 HR
02, 03	L99	L99	L98
04, 05, 06, 07	L96	L91	L89
<small>Note: Projected Lx based on LM80 @ 10,000 hour testing. Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.</small>			
Ambient Temperature Factor			
AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00	50	0.97
Ratings			
<b>Operating Temperature:</b>	-40°C to 50°C (Optical Code 02-06)		
<b>Temperature:</b>	-40°C to 40°C (Optical Code 07)		
<b>Vibration:</b>	3G per ANSI C136.31-2010		
<b>LM-79:</b>	Testing in accordance with IES Standards		
Controls			
<b>Dimming:</b>	Standard - 0-10V <input type="checkbox"/>	Optional - DALI (Option U) <input type="checkbox"/>	
<b>Sensors:</b>	Photo Electric Sensors (PE) available LightGrid Compatible		
Warranty			
<input type="checkbox"/> 5 Year (Standard)	<input type="checkbox"/> 10 Year (Optional)		



**Lighting Plan**  
SCALE: 1"=30'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

**Proposed Multi-Family**  
4774 & 4780 Sheridan Drive  
Amherst, NY

REVISIONS:	Date
No. Description	



DRAWING NAME:  
**Lighting Plan**

Date: 4/22/24  
Drawn By: P. Sheedy  
Scale: As Noted  
DRAWING NO.:  
**LP-100**  
Project No: 23-4091