

# Greenspring II Subdivision

## Reserve Road

### West Seneca, New York

#### AGENCIES

ENGINEERING DEPT./SANITARY SEWER  
 NAME/TITLE: STEVEN TANNER, P.E., TOWN ENGINEER  
 COMPANY/DEPT.: TOWN OF WEST SENECA ENGINEERING DEPT.  
 ADDRESS: 1250 UNION ROAD  
 WEST SENECA, NEW YORK 14224

TELEPHONE 716-558-3220

#### CODE ENFORCEMENT DEPT.

NAME/TITLE: JEFFREY SCHIEBER, CODE ENFORCEMENT OFFICER  
 COMPANY/DEPT.: TOWN OF WEST SENECA CODE ENFORCEMENT DEPT.  
 ADDRESS: 1250 UNION ROAD  
 WEST SENECA, NEW YORK 14224

TELEPHONE 716-558-3237

#### ECDOH

NAME/TITLE: ERIE COUNTY DEPARTMENT OF HEALTH  
 COMPANY/DEPT.: 503 KENSINGTON AVE  
 ADDRESS: BUFFALO, NEW YORK 14214

TELEPHONE 716-961-6854

#### NYSDEC

NAME/TITLE: NEW YORK STATE DEPT. OF ENVIRONMENTAL  
 COMPANY/DEPT.: CONSERVATION  
 ADDRESS: 270 MICHIGAN AVENUE  
 BUFFALO, NEW YORK 14203

TELEPHONE 716-851-7070

#### UTILITIES

NATURAL GAS  
 NAME/TITLE: DAVID KOZLOWSKI  
 COMPANY/DEPT.: NATIONAL FUEL GAS  
 ADDRESS: ORCHARD PARK, NEW YORK 14127

TELEPHONE 716-667-5503

#### TELEPHONE COMPANY

NAME/TITLE: JIM MURPHY  
 COMPANY/DEPT.: VERIZON  
 ADDRESS: 65 FRANKLIN STREET RM 601  
 BUFFALO, NEW YORK 14202

TELEPHONE 716-840-8698

#### ELECTRIC

NAME/TITLE: DAN LOSEL  
 COMPANY/DEPT.: NEW YORK STATE ELECTRIC & GAS  
 ADDRESS: HAMBURG, NEW YORK 14075

TELEPHONE 716-649-5556

#### WATER

NAME/TITLE: LEONARD KOWALSKI  
 COMPANY/DEPT.: ERIE COUNTY WATER AUTHORITY  
 ADDRESS: 3030 UNION ROAD  
 CHEEKTOWAGA, NEW YORK 14227

TELEPHONE 716-684-1510

#### DIG SAFELY NEW YORK

TELEPHONE 811

#### DESIGN CONSULTANTS

#### PROJECT SURVEYOR

NAME/TITLE: MILLARD, MACKAY & DELLES LAND SURVEYORS, LLP  
 COMPANY/DEPT.: 150 AERO DRIVE  
 ADDRESS: BUFFALO, NEW YORK 14225

TELEPHONE 716-631-5140

#### OWNER/DEVELOPER

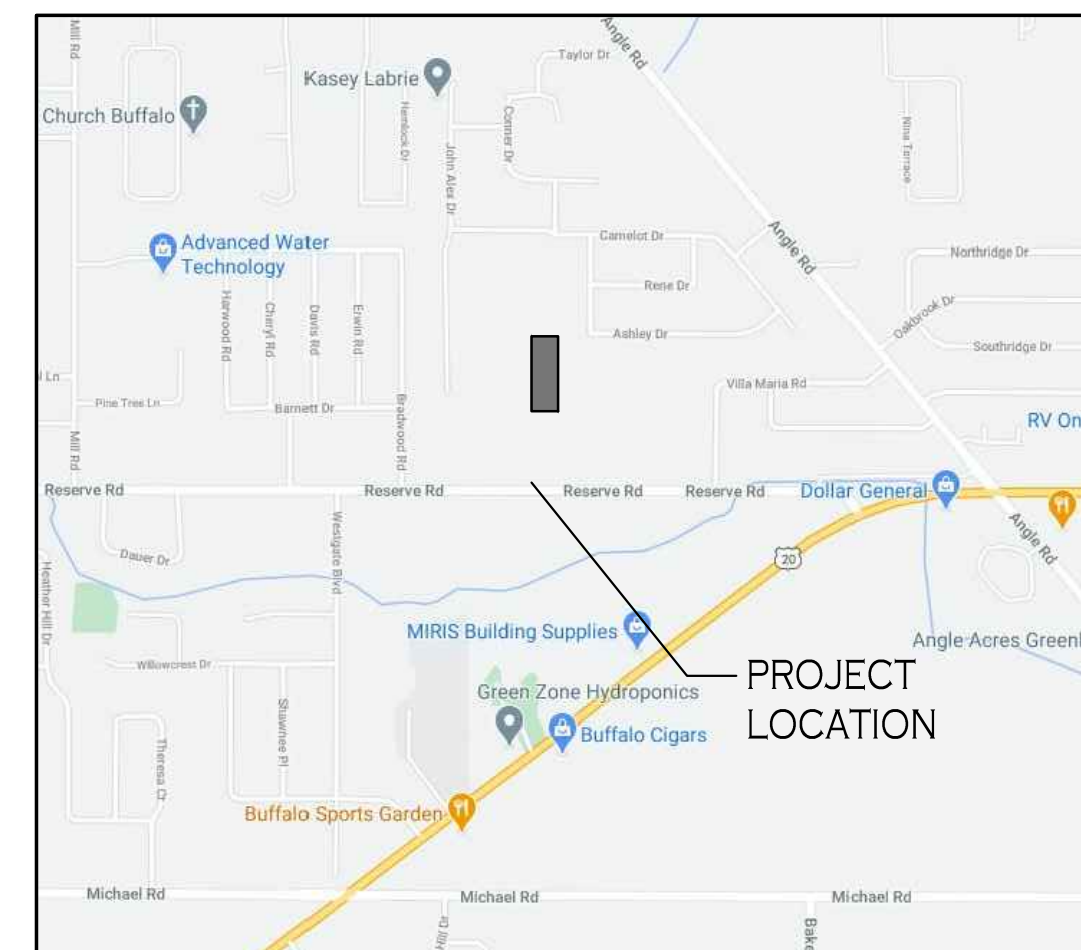
NAME: THE MARRANO/MARC-EQUITY CORPORATION  
 ADDRESS: 2730 TRANSIT ROAD  
 WEST SENECA, NEW YORK 14224  
 CONTACT: DAVID DEPAOLO  
 TELEPHONE (716) 675-1200

#### DRAWING NO.

C-1  
 -  
 C-001  
 C-100  
 C-200  
 C-300  
 C-400  
 C-401  
 L-100  
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#### DRAWING TITLE

COVER SHEET  
 BOUNDARY & TOPOGRAPHIC SURVEY (Prepared by True North)  
 DEMOLITION & EROSION CONTROL PLAN  
 PLAT PLAN  
 GRADING PLAN  
 STORM DRAINAGE PLAN  
 UTILITY PLAN  
 UTILITY PROFILES  
 LANDSCAPE PLAN  
 WEST SENECA EROSION AND SEDIMENT CONTROL DETAILS  
 WEST SENECA PAVING DETAILS  
 WEST SENECA STORM SEWER DETAILS  
 WEST SENECA SANITARY SEWER DETAILS



LOCATION MAP

NOT TO SCALE

**CARMINAWOOD**  
**DESIGN**

487 Main Street, Suite 500  
 Buffalo, New York 14203  
 Phone: (716) 842-3165

111 Bain Street, Suite 332  
 Greensboro, North Carolina 27406  
 Phone: (336) 937-9009

February 2023

Greenspring II Subdivision  
 Reserve Road  
 West Seneca, New York

SHEET NO.

C-1

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NOTE: THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE.

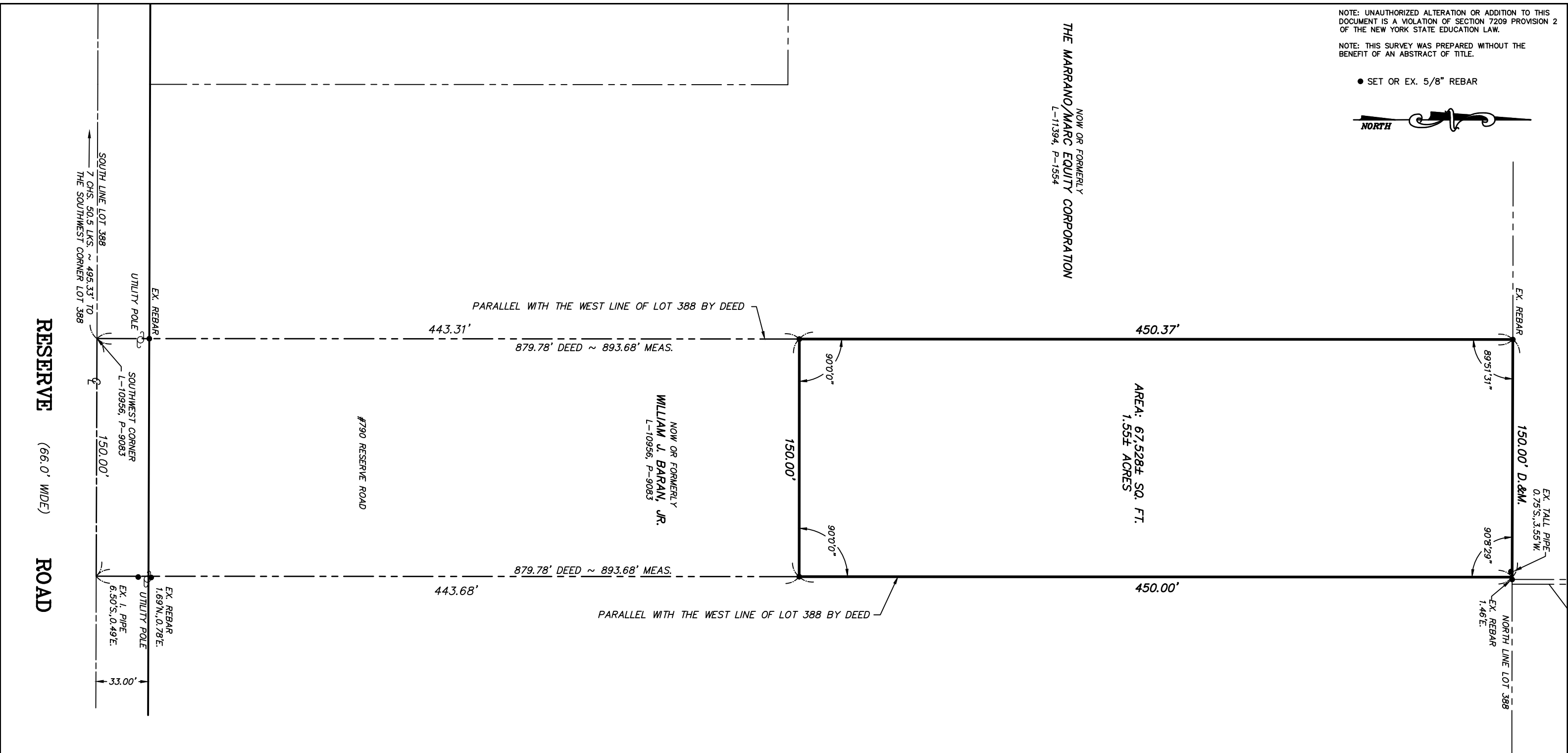
● SET OR EX. 5/8" REBAR



NOW OR FORMERLY  
THE MARRANO/MARC EQUITY CORPORATION  
L-11394, P-1554

NOW OR FORMERLY  
WILLIAM J. BARAN, JR.  
L-10956, P-9083

AREA: 67,528± SQ. FT.  
1.55± ACRES

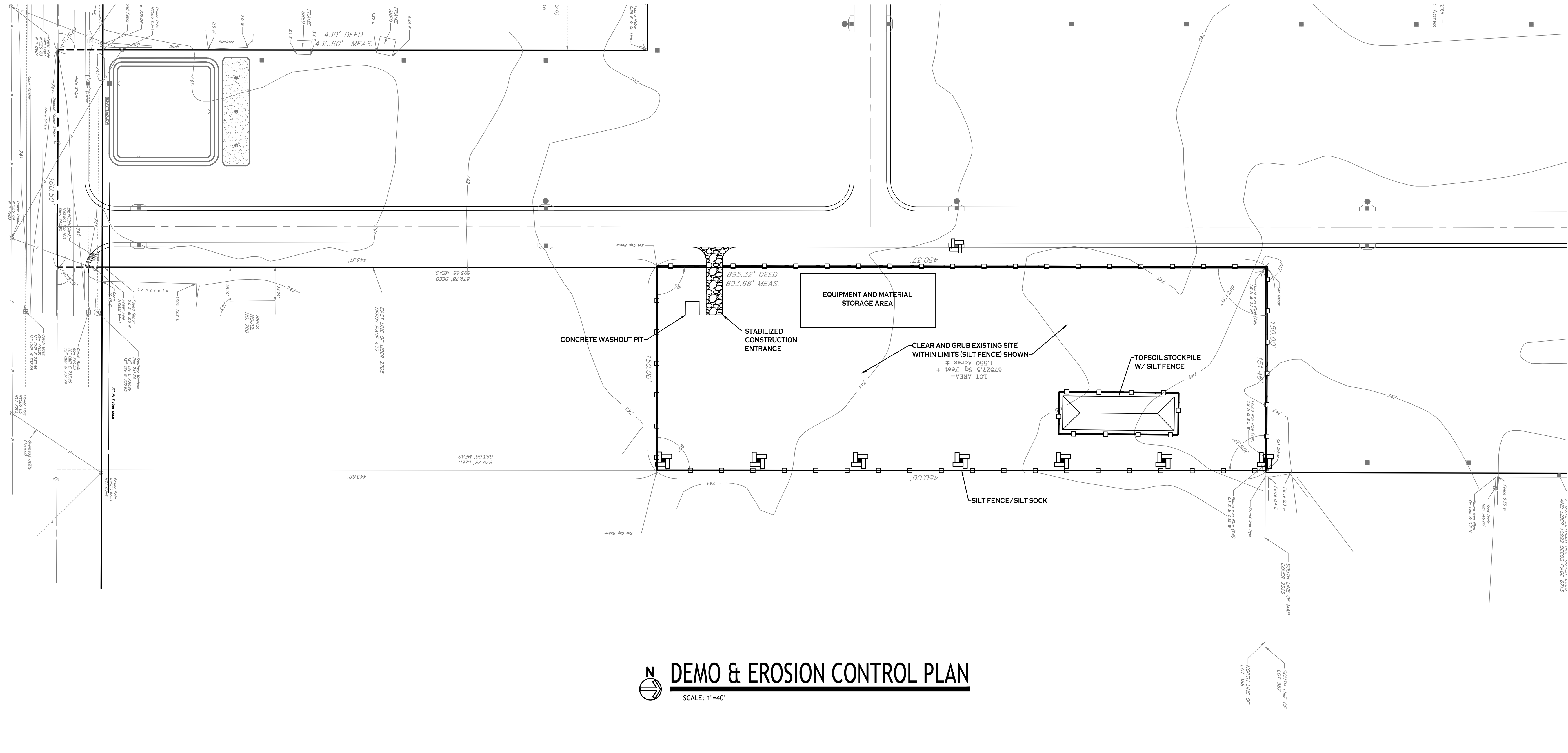


SURVEY OF  
PART OF LOT 388, TOWNSHIP 10, RANGE 7  
BUFFALO CREEK RESERVATION  
TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

<b>GPI</b>	<b>GPI ENGINEERING, LANDSCAPE ARCHITECTURE &amp; SURVEYING, LLP</b>
	ENGINEERING • SURVEYING • LANDSCAPE ARCHITECTURE
4950 GENESEE STREET, SUITE 100 BUFFALO, NEW YORK 14225	
(716) 633-4844      FAX 633-4940	

Job No. 9840.790      Date: JUNE 7, 2022  
Scale 1" = 60'      Tax No. 144.18-1-9 (PART OF)

DATE	REVISION/TYPE



**DEMOS & EROSION CONTROL PLAN**  
SCALE: 1"=40'

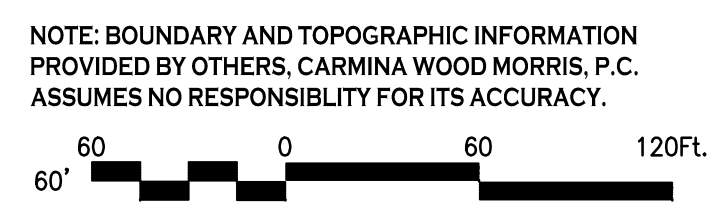
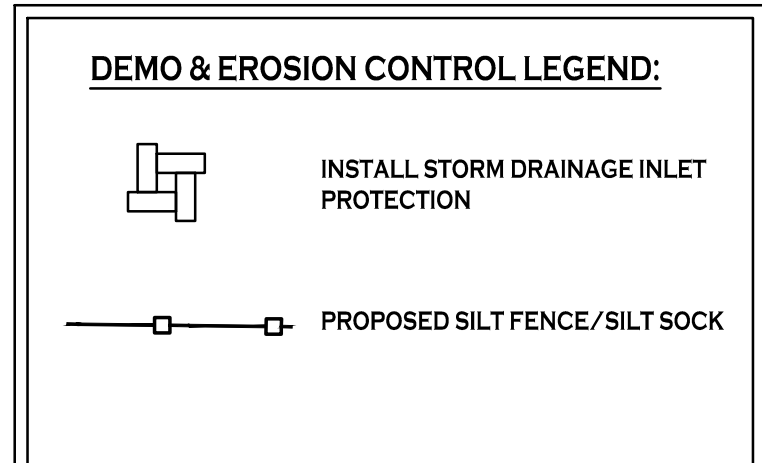
**EROSION CONTROL NOTES**

THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR:

- INSTALL TEMPORARY SILT FENCE BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT FENCE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
- TOPSOIL SHALL BE STRIPPED AND HAULED TO 1120 BULLIS ROAD, ELMA, NY 14059 AND HAULED BACK TO SITE AS NEEDED.
- ALL SILT FENCE 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 6" 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 FENCE AROUND THE BASE OF STOCKPILES.
- THE PROFESSIONAL CERTIFYING COMPLIANCE TO NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS MUST INSPECT AT A MINIMUM WEEKLY AND SHALL PROVIDE THESE INSPECTION REPORT WITH A WRITTEN CERTIFICATION OF CONSTRUCTION COMPLIANCE TO THE TOWN OF WEST SENECA WEEKLY.
- 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. DUE TO SOIL DISTURBANCE BEING GREATER THAN ONE ACRE, A NYSDEC SPDES PERMIT MUST BE OBTAINED BEFORE ANY ON-SITE DISTURBANCE IS MADE.

**NOTES:**

- THE 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 FENCE AND STRAW BALES TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
- FOR THOSE STRUCTURES TO BE DEMOLISHED, ALL EXISTING UTILITY SERVICES SHALL BE ABANDONED IN ACCORDANCE WITH LOCAL REGULATIONS, ALL METERS SHALL BE RETURNED TO PROPER OWNERS.
- THE CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES WHERE ACCESSING THE SITE FROM PAVED ROADWAYS.
- THE CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH NYS M.U.T.C.D. STANDARDS PRIOR TO STARTING WORK.



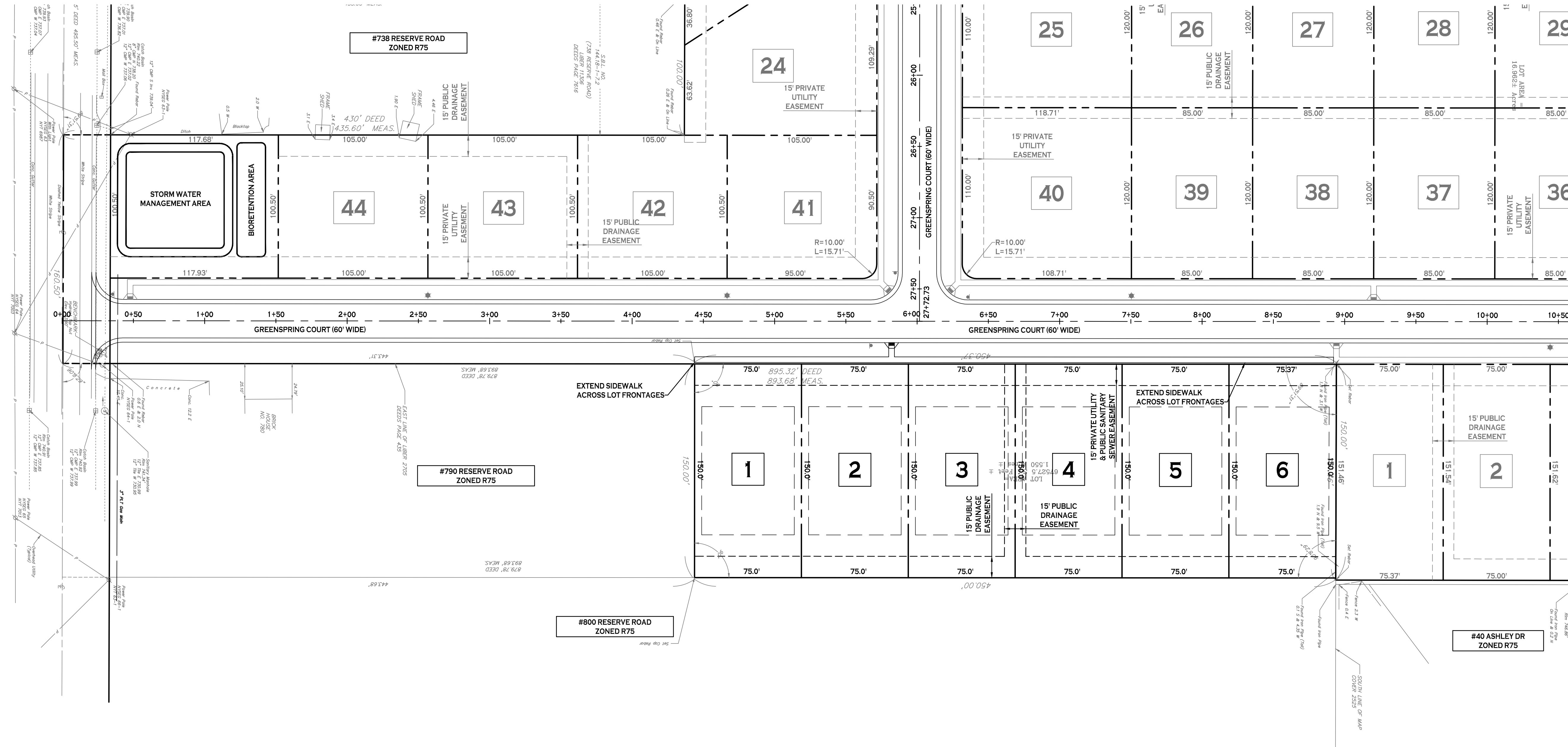
REVISIONS:

No.	Description	Date

DRAWING NAME:  
**Demo & Erosion Control Plan**

Date: 2/15/23  
Drawn By: A. Pandolfe  
Scale: As Noted

DRAWING NO.  
**C-001**  
Project No: 22.207



**PLAT PLAN**  
SCALE: 1"=40'

SITE DATA (R75 ZONING)	
MIN. LOT WIDTH =	75 FT FOR FIRST DWELLING UNIT
MIN. LOT AREA =	10,000 SF FOR FIRST DWELLING UNIT
FRONT SETBACK =	30 FT
SIDE SETBACK =	5 FT MIN., 10 FT TOTAL
REAR SETBACK =	30 FT
MAXIMUM LOT COVERAGE =	12%
MAXIMUM BUILDING HEIGHT =	30 FT
MINIMUM FLOOR AREA =	1,100 SF (1-FAMILY)
NOTE: LOT WIDTH MEASURED AT FRONT SETBACK LINE	

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD MORRIS, P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



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DRAWING NAME:  
**Plat Plan**

Date: 2/15/23  
Drawn By: A. Pandolfe  
Scale: As Noted

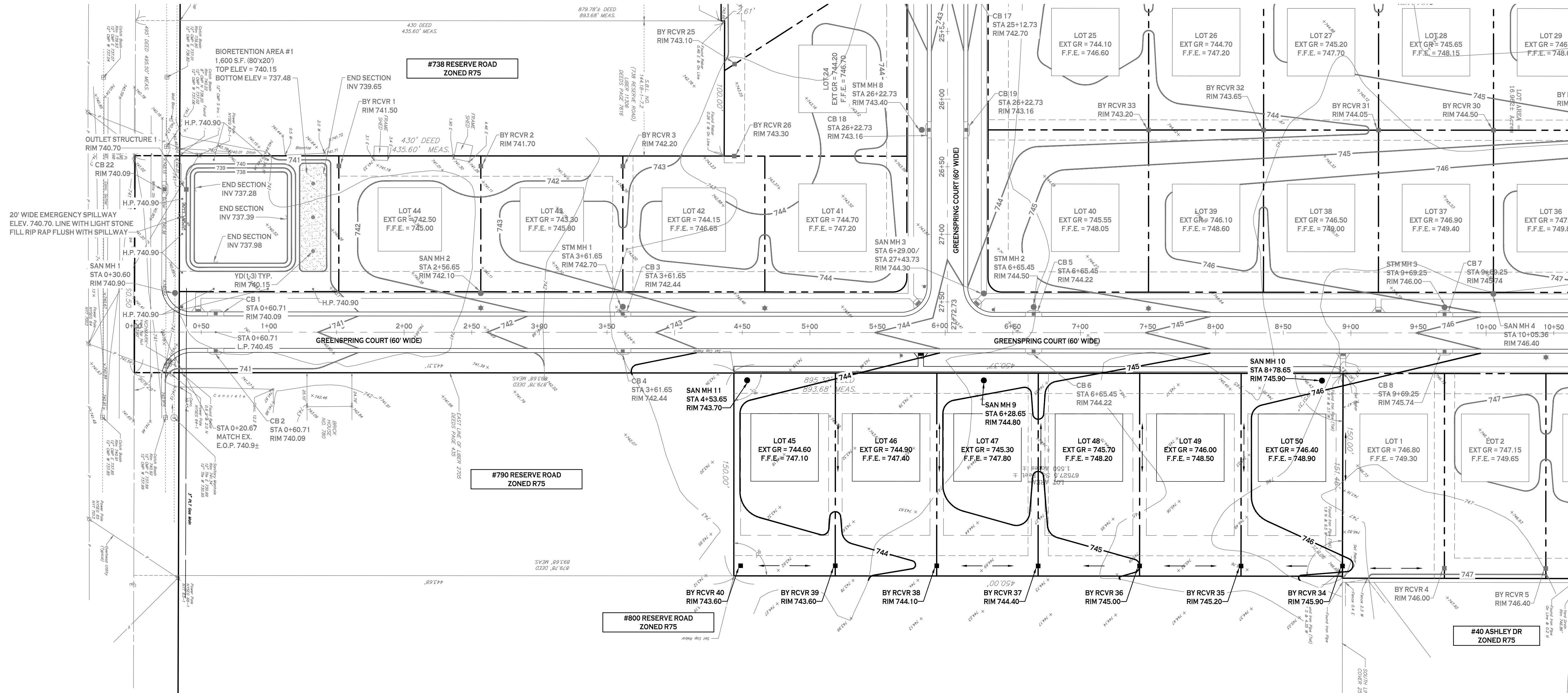
DRAWING NO.  
**C-100**  
Project No: 22.207

**CARMINAWOOD DESIGN**  
111 Bain Street, Suite 332  
Greenville, SC 29603  
Phone: (336) 937-9099

**Greenspring II Subdivision**  
Reserve Road  
West Seneca, New York 14224

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**GRADING PLAN**  
SCALE: 1"=40'

- GRADING NOTES:**
1. IN GENERAL, 1ST FFE FOR THE PROPOSED HOUSES SHALL BE 2.5' ABOVE HIGHEST EXTERIOR GRADE ELEVATION
  2. IN GENERAL, TOP OF WALL ELEVATION SHALL BE 1.5' ABOVE HIGHEST EXTERIOR GRADE ELEVATION
  3. SANITARY SEWER INVERT AT THE PROPOSED HOUSE SHALL BE 1.5' ABOVE THE BASEMENT FLOOR ELEVATION. BASEMENT FLOOR ELEVATION IS 9' BELOW THE 1ST FFE.

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111 Bain Street, Suite 332  
Greenspring, NY 14222  
Phone: (336) 937-9029

**Greenspring II Subdivision**  
Reserve Road  
West Seneca, New York 14224

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DRAWING NAME:  
**Grading Plan**

Date: 2/15/23  
Drawn By: A. Pandolfo  
Scale: As Noted

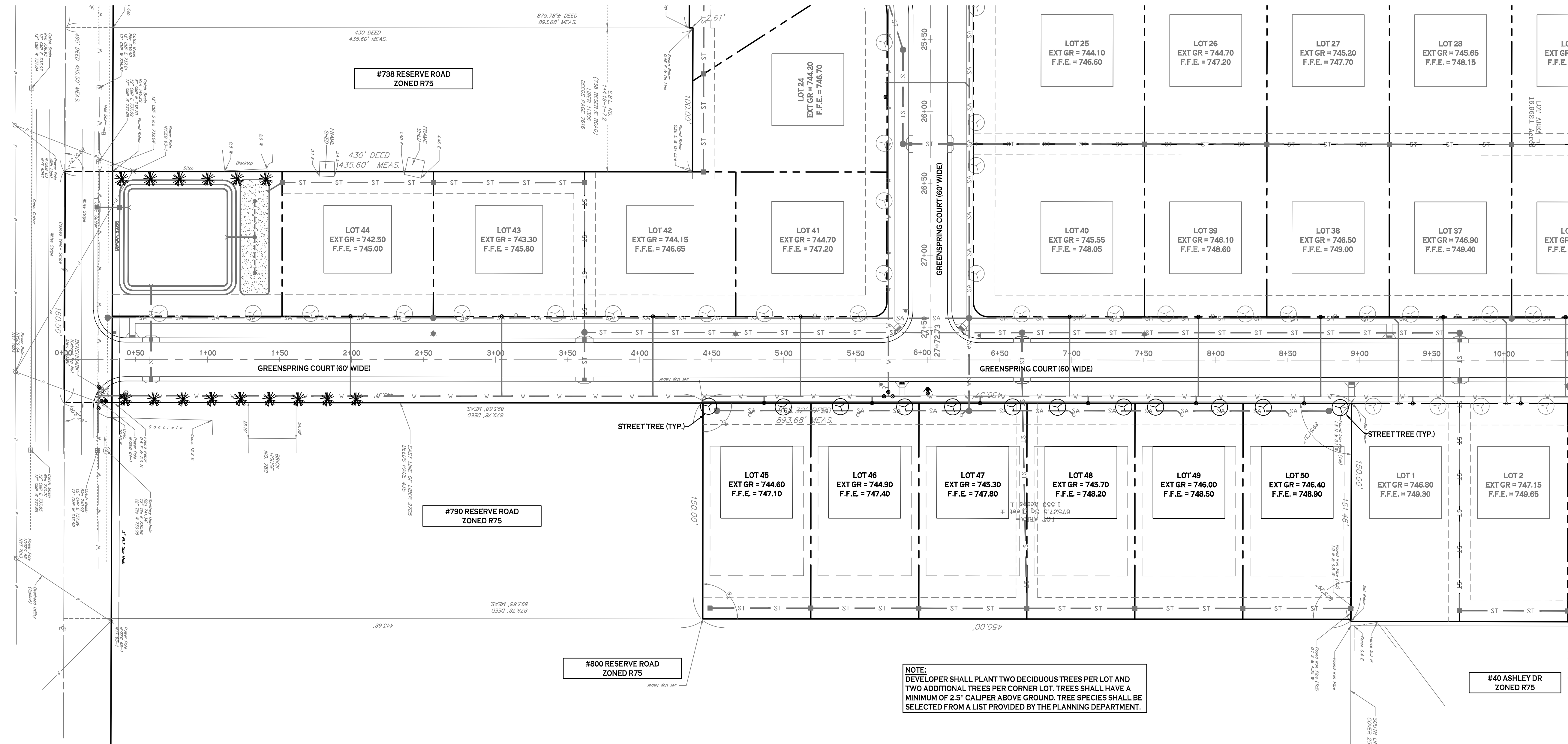
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NOTE:  
DEVELOPER SHALL PLANT TWO DECIDUOUS TREES PER LOT AND TWO ADDITIONAL TREES PER CORNER LOT. TREES SHALL HAVE A MINIMUM OF 2.5" CALIPER ABOVE GROUND. TREE SPECIES SHALL BE SELECTED FROM A LIST PROVIDED BY THE PLANNING DEPARTMENT.

**N LANDSCAPE PLAN**  
SCALE: 1"=40'

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Reserve Road  
West Seneca, New York 14224

REVISIONS:  
No. Description

Date

DRAWING NAME:  
Landscape Plan

Date: 2/15/23  
Drawn By: A. Pandolfe  
Scale: As Noted

DRAWING NO.:

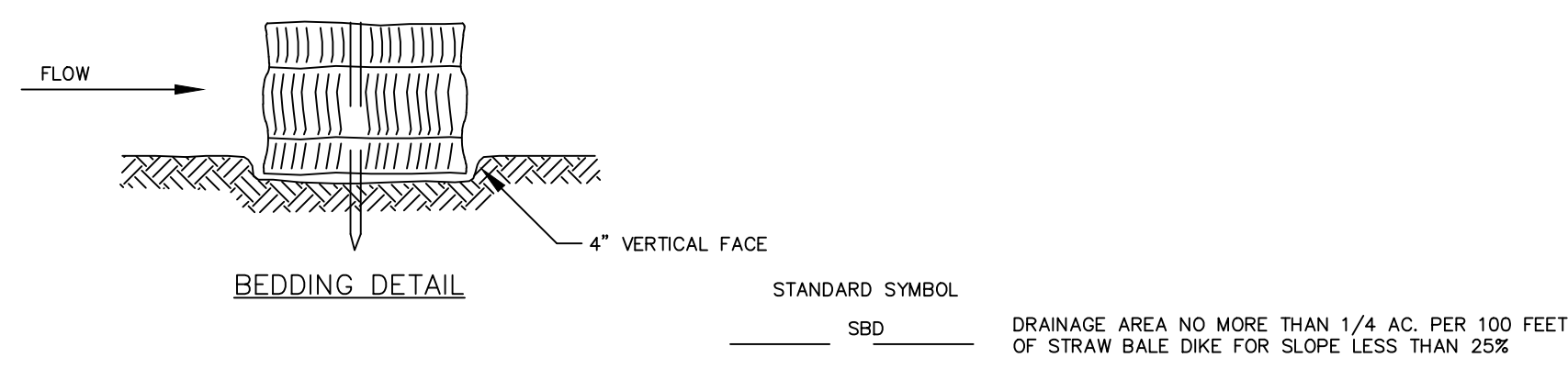
**L-100**

Project No: 22.207

111 Bain Street, Suite 332  
Greenspring, West Seneca, NY 14224  
Phone: (336) 937-9099

1487 Main Street, Suite 500  
Greenspring, West Seneca, NY 14224  
Phone: (716) 842-3165



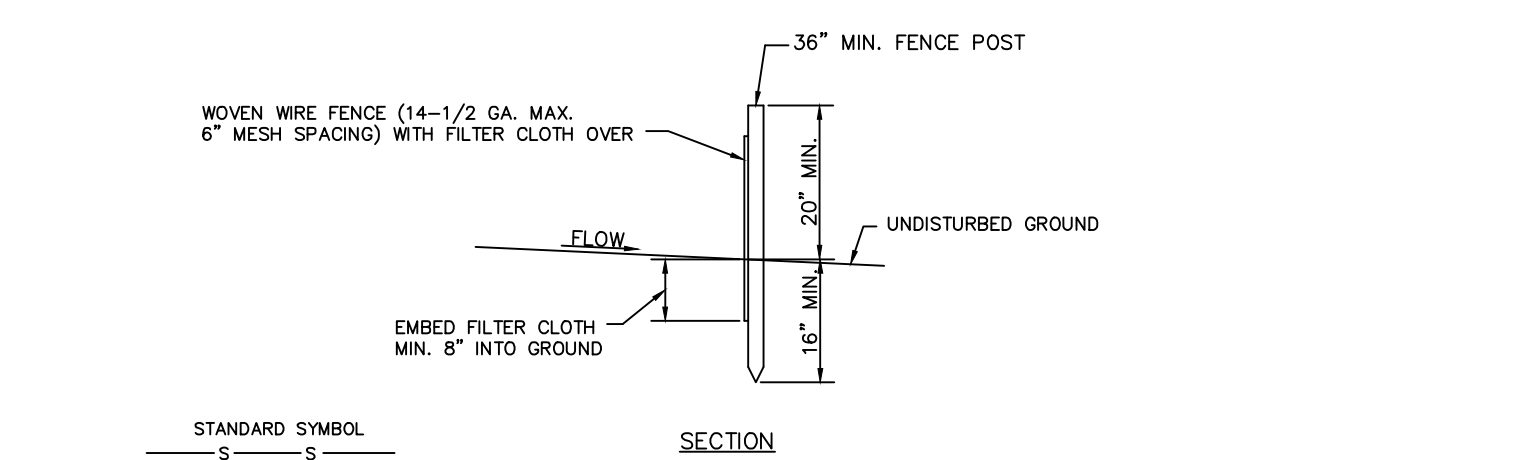


STANDARD SYMBOL  
SBD  
DRAINAGE AREA NO MORE THAN 1/4 AC. PER 100 FEET OF STRAW BALE DIKE FOR SLOPE LESS THAN 25%

**CONSTRUCTION SPECIFICATIONS**

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO (2) STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

**FIGURE 5A.8**  
STRAW BALE DIKE DETAILS (SBD)



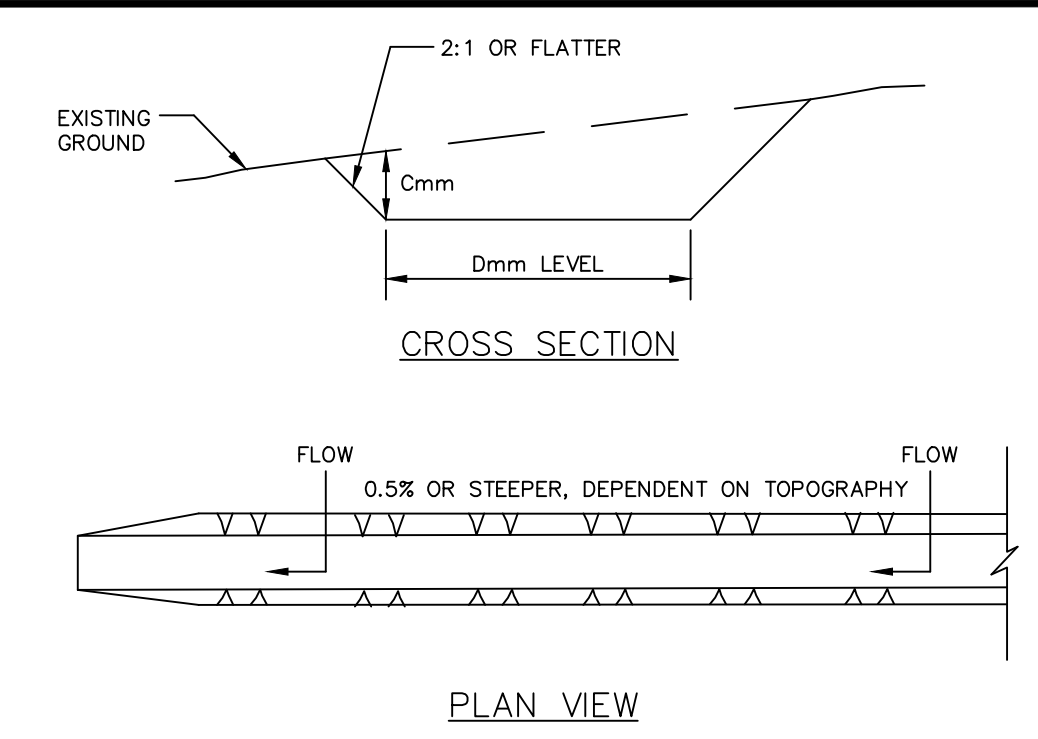
**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
- POSTS:  
STEEL EITHER 1 OR U TYPE OR 2\"/>

FENCE:  
WOVEN WIRE, 14-1/2 GA. 6\"/>

FILTER CLOTH:  
FILTER X, MIRAFI 700X, STABILUNKA T140N OR APPROVED EQUAL  
PREFABRICATED UNIT:  
GEOFAB, ENVROFENCE, OR APPROVED EQUAL

**FIGURE 5A.9**  
SILT FENCE DETAILS (SF)



**CONSTRUCTION SPECIFICATIONS**

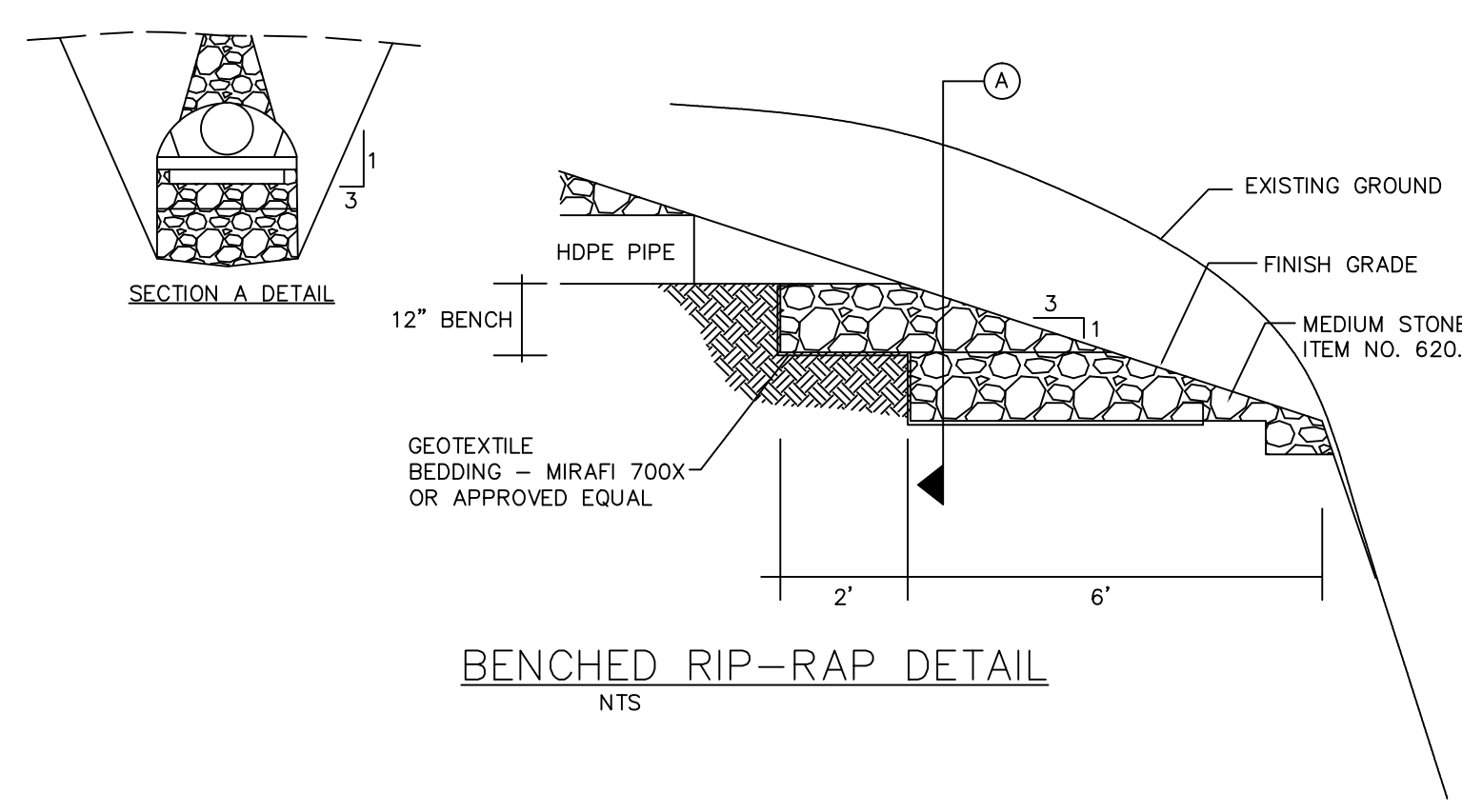
- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVED AND NOT NEEDED ON CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- STABILIZATION SHALL BE AS PER THE CHART BELOW:

**FLOW CHANNEL STABILIZATION**

TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC OR LESS)	B (5 AC - 10AC)
1	0.5-3%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED WITH JUTE OR EXCELISOR
3	5.1-8.0%	SEED WITH JUTE OR EXCELISOR, 500	LINED RIP-RAP 4-8\"/>
4	8.1-20%	LINED 4-8\"/> RIP-RAP	ENGINEERED DESIGN

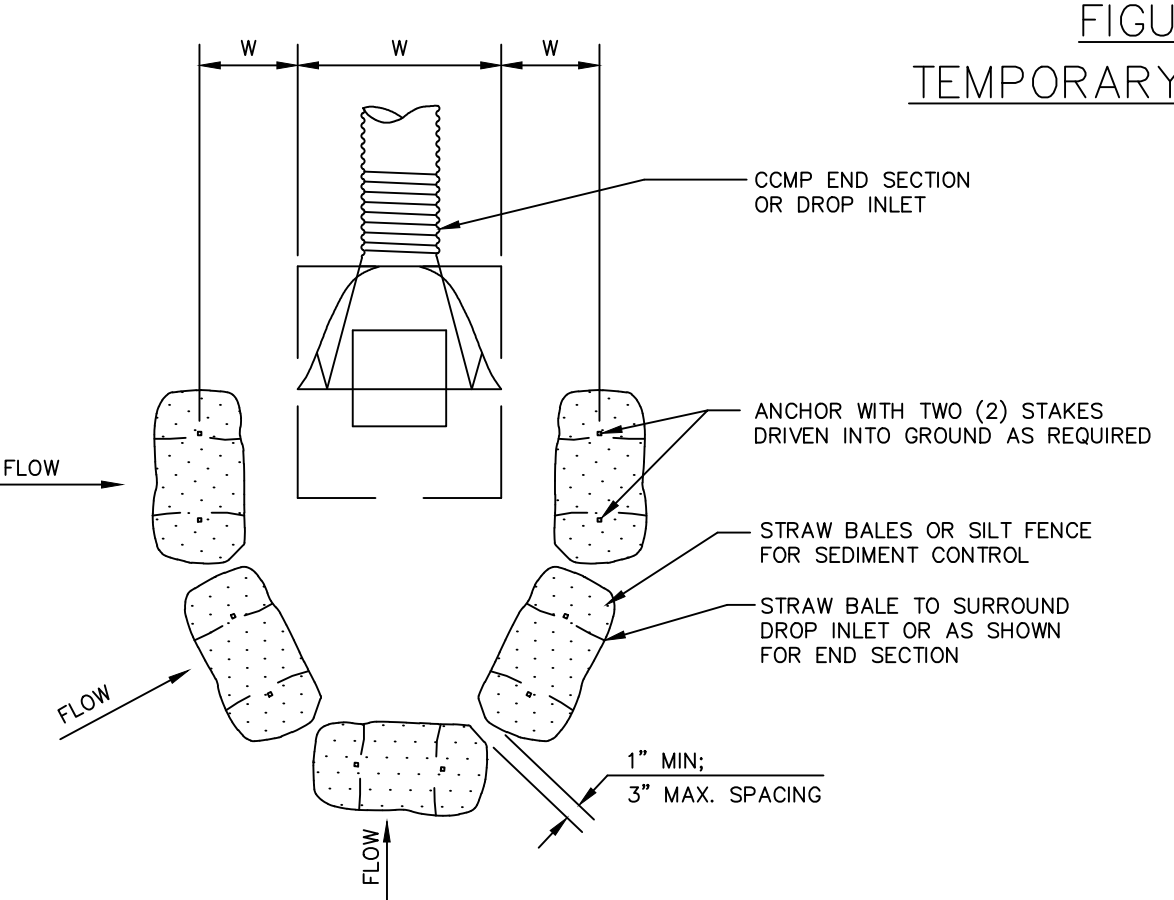
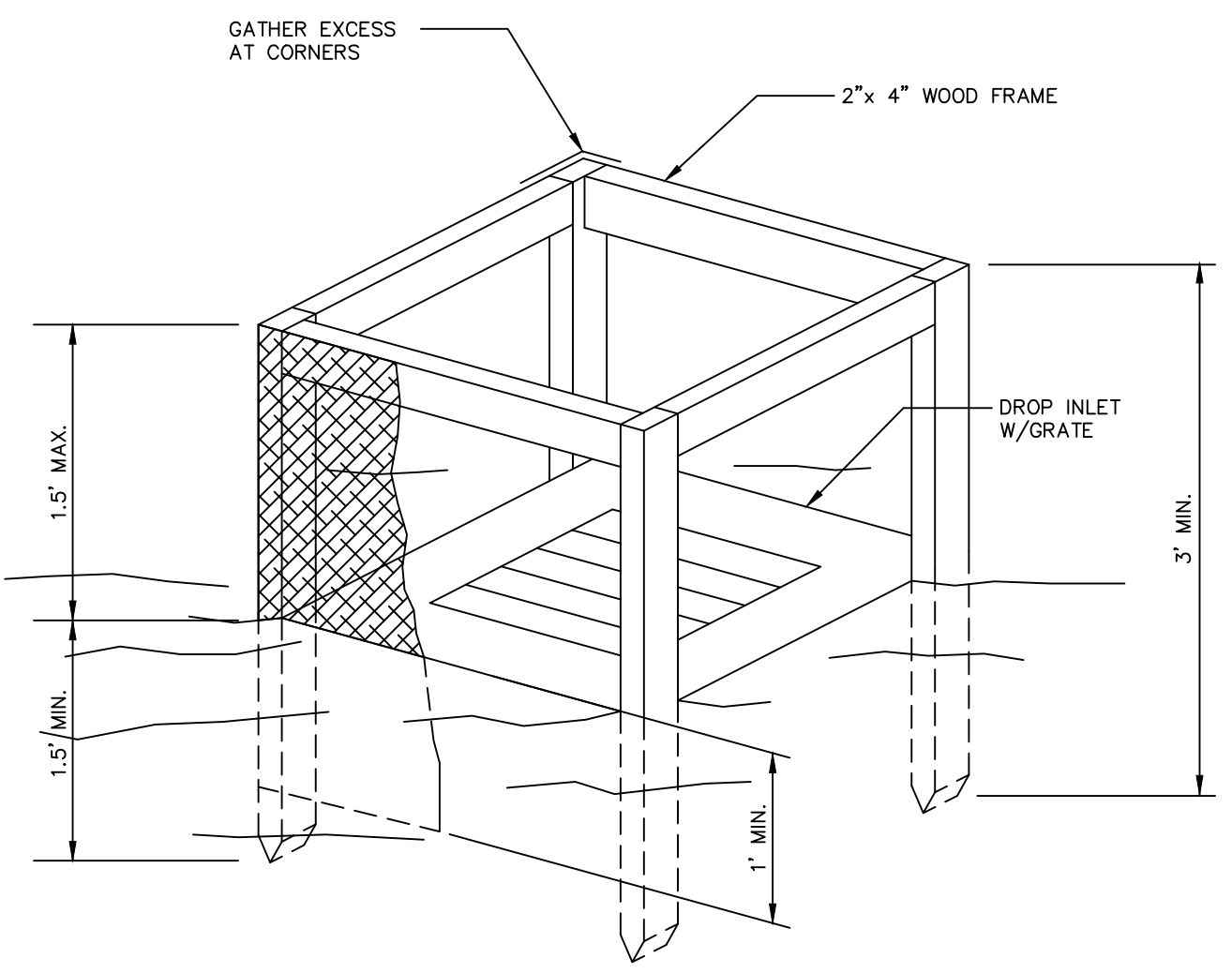
9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT

**FIGURE 5A.2**  
TEMPORARY SWALE DETAIL

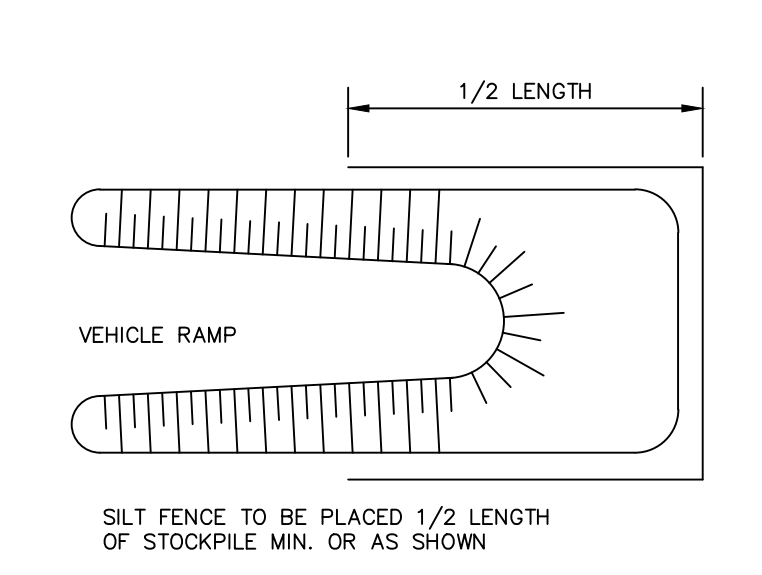


**BENCHED RIP-RAP DETAIL**

NTS



**TOPSOIL STOCKPILE DETAILS**



**LONGITUDINAL VIEW**

LENGTH VARIES  
1 ON 1 MAX.  
1 ON 3 SLOPE FOR VEHICLES

**SECTION**

WIDTH VARIES  
15\"/> MIN.

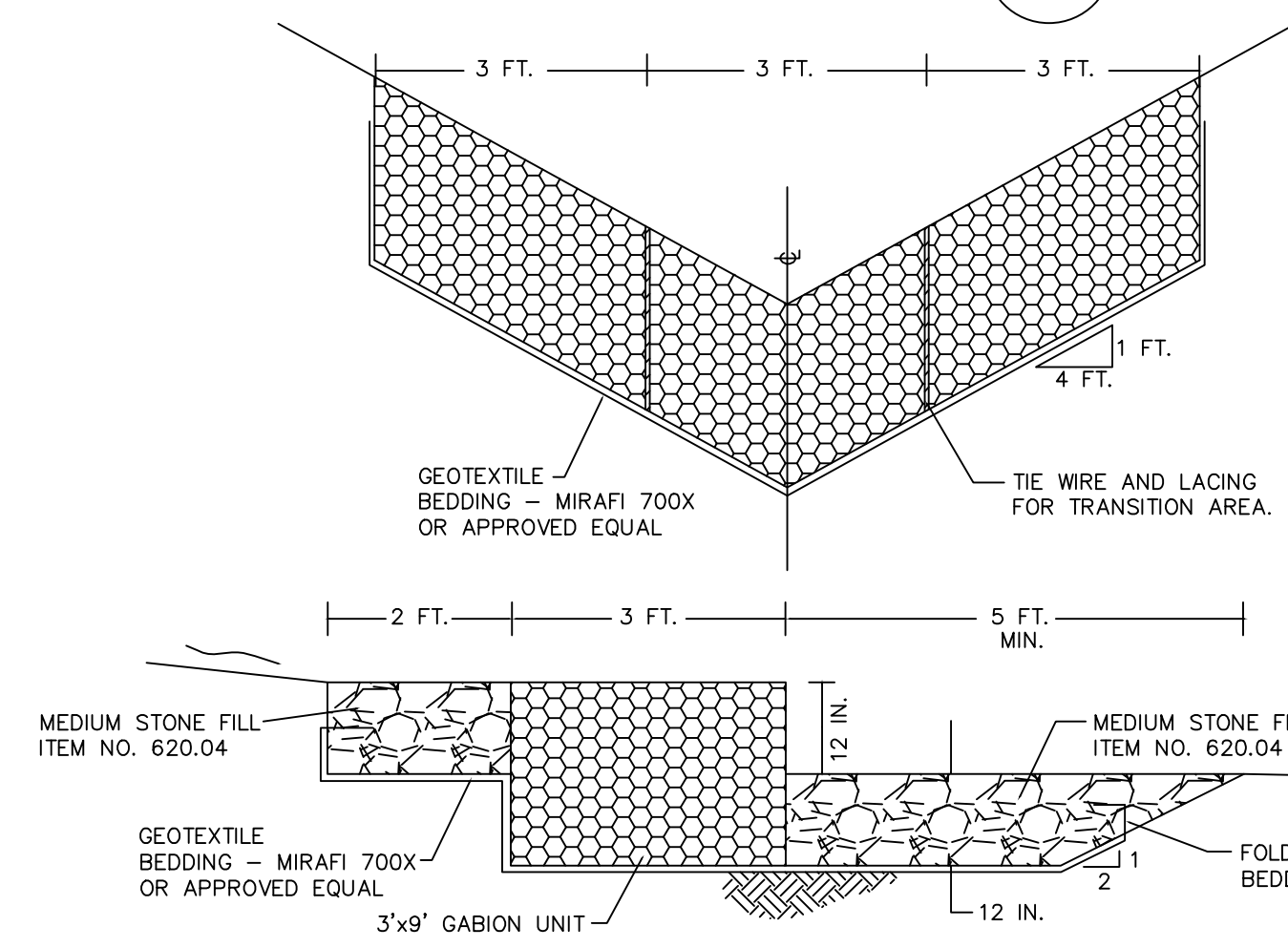
**CONSTRUCTION SPECIFICATIONS**

- 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 2x4\"/> 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 2x4\"/> WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- MAXIMUM DRAINAGE AREA 1 ACRE

**FIGURE 5A.13**

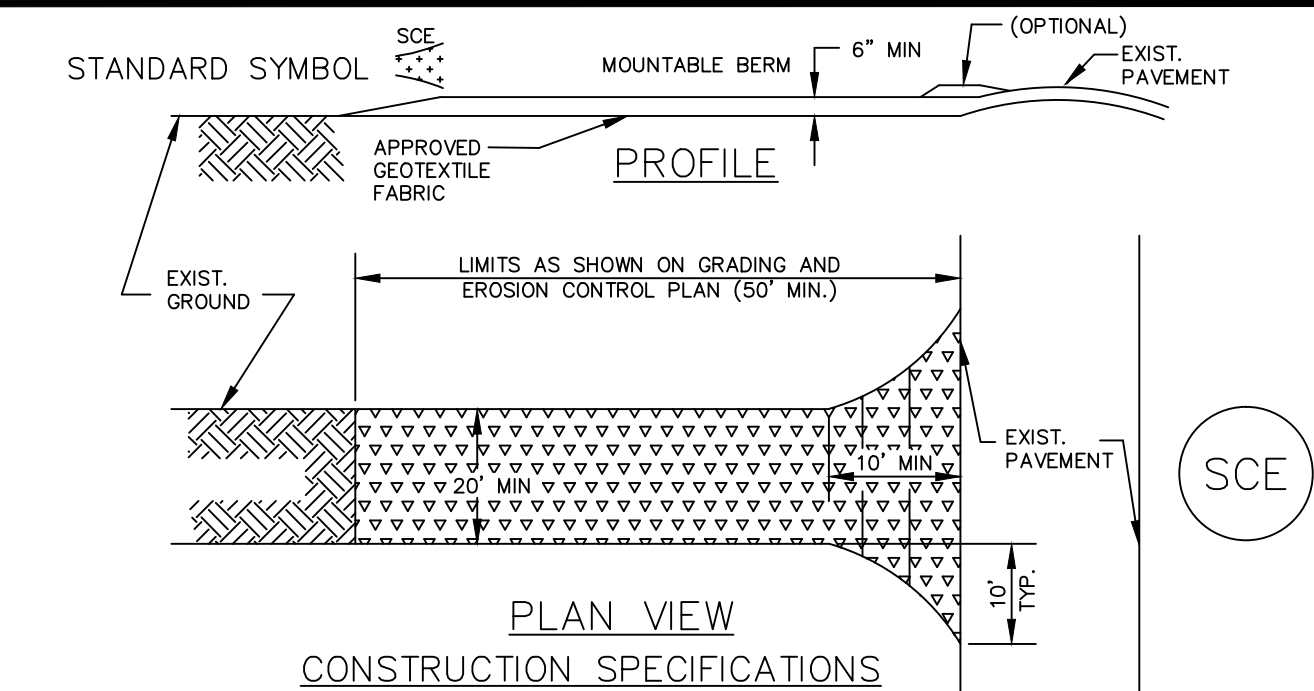
**FILTER FABRIC DROP INLET PROTECTION DETAIL**

(FFIP)



**GABION BASKET - VELOCITY DISSIPATER DETAIL**

N.T.S.



**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2\"/> STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQ'D, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RES-DENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQ'D ON A SINGLE FAMILY RESIDENCE LOT.
- 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 1:5 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. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE UNTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQ'D, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

**FIGURE 5A.38**

**STABILIZED CONSTRUCTION ENTRANCE DETAILS**

**SEQUENCE OF CONSTRUCTION**

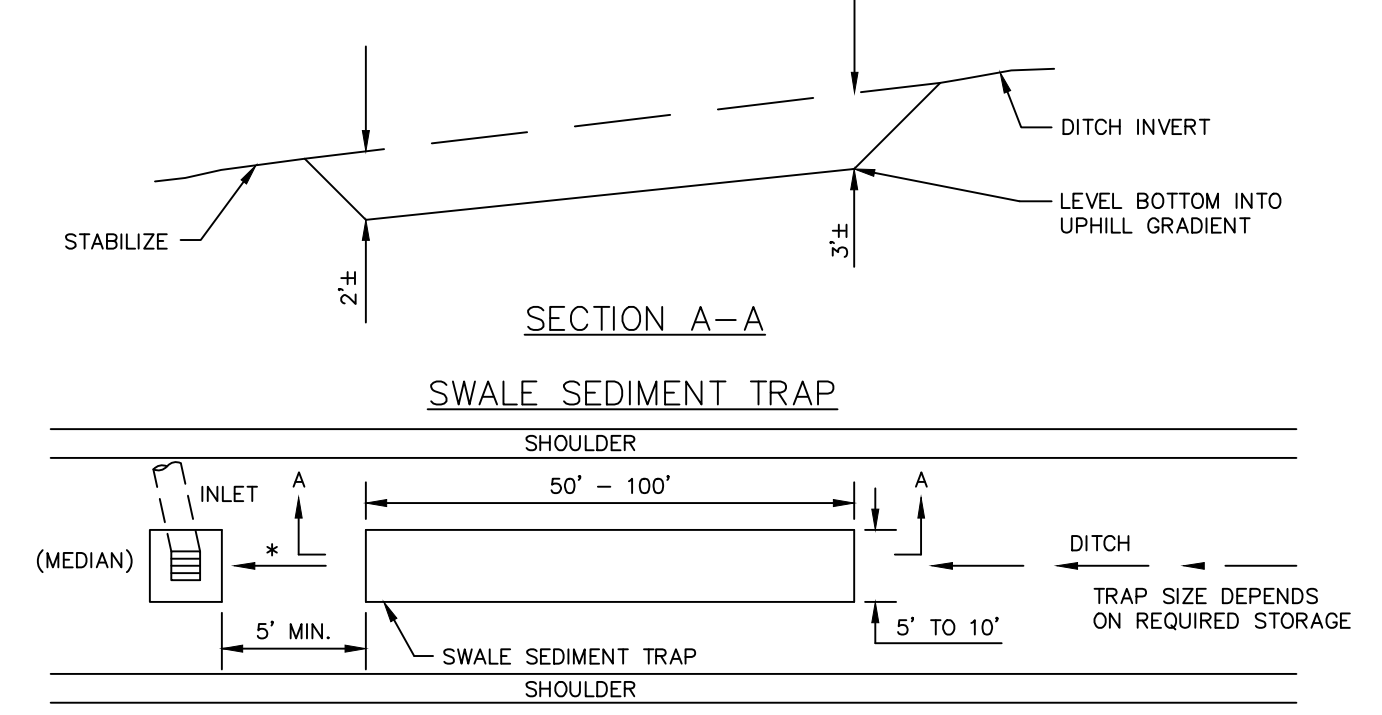
- NOTIFY SEDIMENT CONTROL INSPECTOR 24 HOURS PRIOR TO START OF CONSTRUCTION.
- SURVEY AND STAKEOUT FOR CLEARING, STRIPPING AND EROSION CONTROL ACTIVITIES.
- PERFORM CLEARING, GRUBBING, STRIPPING AND SEDIMENT CONTROL AS PER TOWN REQUIREMENTS. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
- PERFORM THE NECESSARY WORK TO ENSURE PROPER SURFACE DRAINAGE WHILE MAINTAINING EROSION AND SEDIMENT CONTROL AS DEFINED BY TOWN SPECIFICATIONS AND DESIGN DRAWINGS. SITE PREPARATION AND CONSTRUCTION SHALL NOT ADVERSELY AFFECT THE FREE FLOW OF STORM RUNOFF OR WATER COURSES.
- PREPARATION OF RIGHT OF WAY SHALL INCLUDE ALL INFRASTRUCTURE CONSTRUCTION AS SHOWN ON THE APPROVED PLANS AND/OR AS DIRECTED BY THE TOWN ENGINEER. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, PAVEMENT, SANITARY AND STORM SEWERS, WATERLINES AND VARIOUS UNDERGROUND FACILITIES.
- UPON COMPLETION OF PAVEMENT AND UTILITY INSTALLATION, RESTORATION WITHIN THE RIGHT OF WAY SHALL COMMENCE. THIS WORK WILL CONSIST OF THE RESTORATION OF ALL RIGHT OF WAY AREAS DISTURBED DURING CONSTRUCTION PLUS ANY AREA OUTSIDE OF THE RIGHT OF WAY THAT WAS DISTURBED DURING THE COURSE OF CONSTRUCTION. SUCH WORK SHALL BE APPROVED, IN WRITING, BY THE TOWN ENGINEER BEFORE ANY INDIVIDUAL SUBLOT CAN BE BUILT OR DEVELOPED.
- AFTER RECEIVING WRITTEN APPROVAL, INDIVIDUAL SUBLOTS CAN BE DEVELOPED. THE WORK SHALL INCLUDE BUILDING CONSTRUCTION, UTILITY SERVICE INSTALLATION, GRADING, LANDSCAPING AND THE CONTINUOUS PROCESS OF EROSION AND SEDIMENT CONTROL.
- EROSION AND SEDIMENT CONTROL ARE TO BE REMOVED AS THEIR USEFULNESS DIMINISH. AT ALL INSTANCES, NOTIFY THE SEDIMENT CONTROL INSPECTOR AND OBTAIN WRITTEN APPROVAL, BEFORE REMOVAL OF ANY EROSION AND SEDIMENT CONTROL DEVICE OR MECHANISM.

**SEDIMENT AND EROSION CONTROL NOTES:**

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH ALL REQUIREMENTS OF STATE AND TOWN OF WEST SENECA SOIL EROSION CONTROL AND CONSERVATION AUTHORITIES.
- ALL DISTURBED AREAS TO BE SEED WITHIN 14 DAYS OF INITIAL GRADING. FOR TEMPORARY SEEDING SPECIFICATIONS, SEE NOTES ON THIS SHEET.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO THE INITIATION OF GRADING, AND/OR EXCAVATION.
- ALL EARTH BERMS AND SEDIMENT DAMS ARE TO BE MULCHED AND SEED WITHIN 7 DAYS AFTER GRADING. ALL SOIL STOCKPILES ARE TO BE MULCHED AND SEED WITHIN 14 DAYS.
- DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
- AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND SEED.
- NO SLOPE SHALL BE GREATER THAN 1:3
- TOPSOIL MAY NOT BE REMOVED FROM THE WORK SITE WITHOUT A PERMIT FROM THE TOWN OF WEST SENECA.
- FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF GOVERNING AUTHORITIES.
- ALL TOWN OF WEST SENECA CONSTRUCTION SPECIFICATIONS SHALL APPLY. NO DEVIATIONS FROM THE SPECIFICATIONS WILL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE TOWN ENGINEER.
- TEMPORARY SEEDING MIXTURE: ANNUAL RYE GRASS OR WINTER RYE IF PLANTED DURING OCTOBER/NOVEMBER. FOR PERMANENT SEEDING REFER TO TABLE IN MANUAL ENTITLED "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".

**FIGURE 5A.20**

**SWALE OUTLET SEDIMENT TRAP: ST-1V**



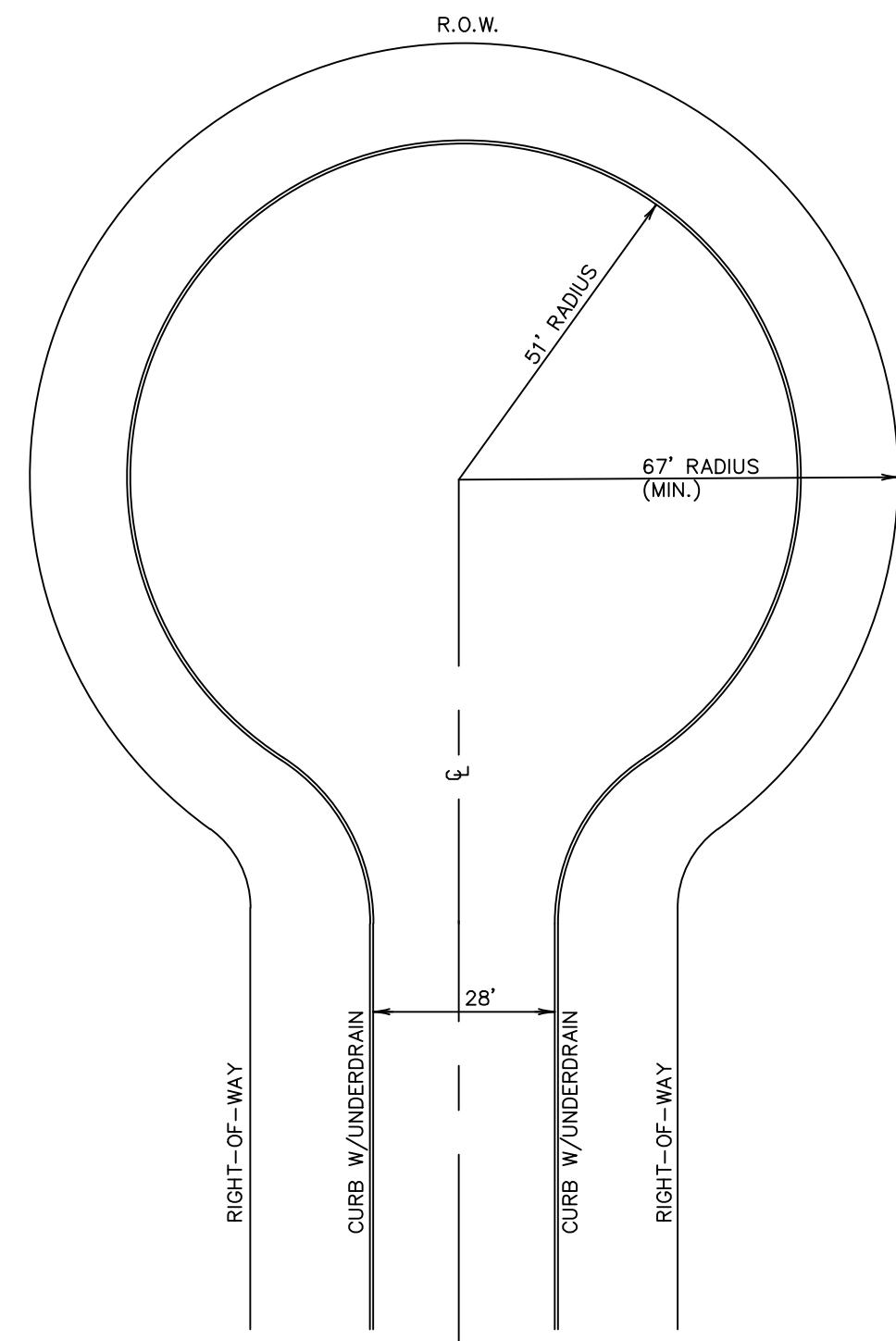
**CONSTRUCTION SPECIFICATIONS**

- THE SWALE SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS PROVIDED ON THE DESIGN DRAWINGS OR SIZED TO PROVIDE THE MINIMUM STORAGE NECESSARY; 1800 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT, AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
- THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- THE SWALE SEDIMENT TRAP WILL BE PROPERLY BACKFILLED AND THE SWALE OR DITCH RECONSTRUCTED.

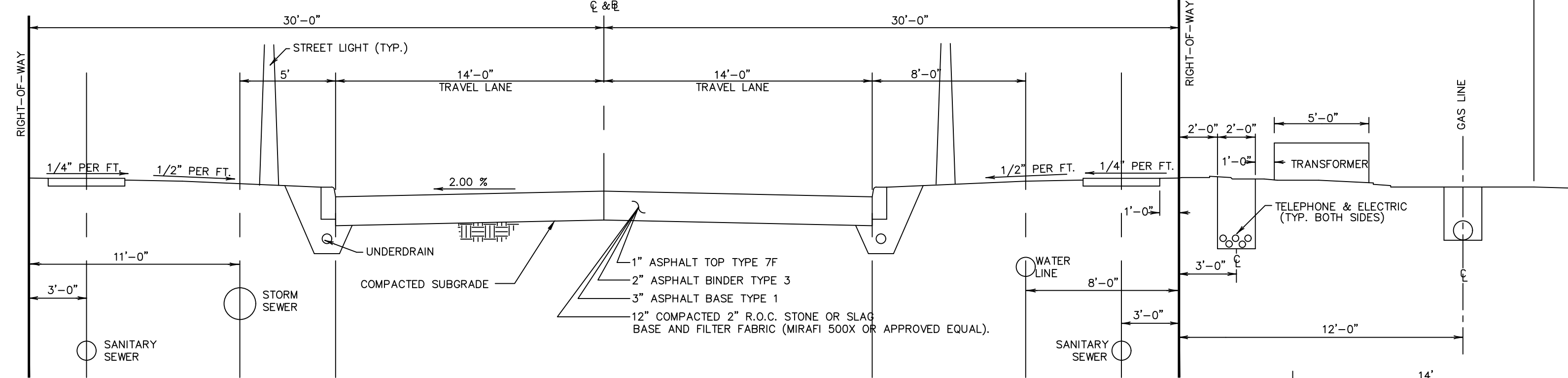
WEST SENECA ENGINEERING DEPARTMENT  
1250 UNION ROAD, WEST SENECA, N.Y. 14224  
PHONE : 674-5600

**EROSION AND SEDIMENT CONTROL DETAILS**

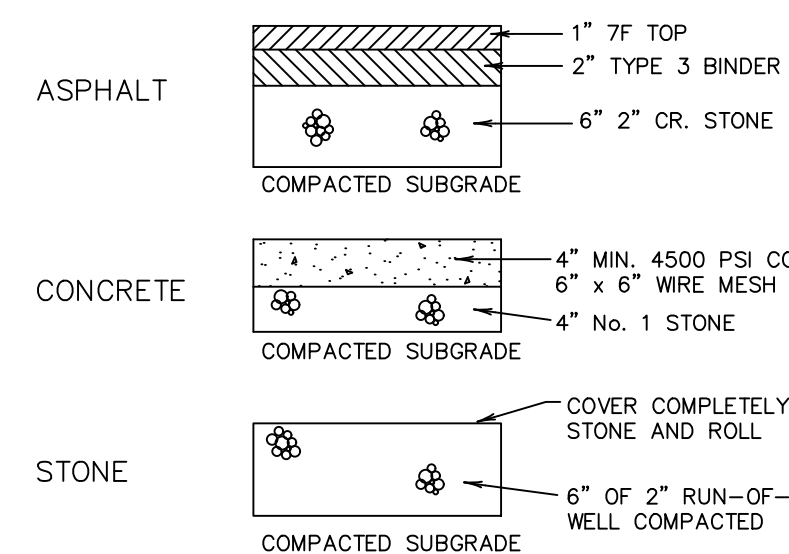
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APPROVED BY : GM.	SCALE : NONE	HOR. VER.	of



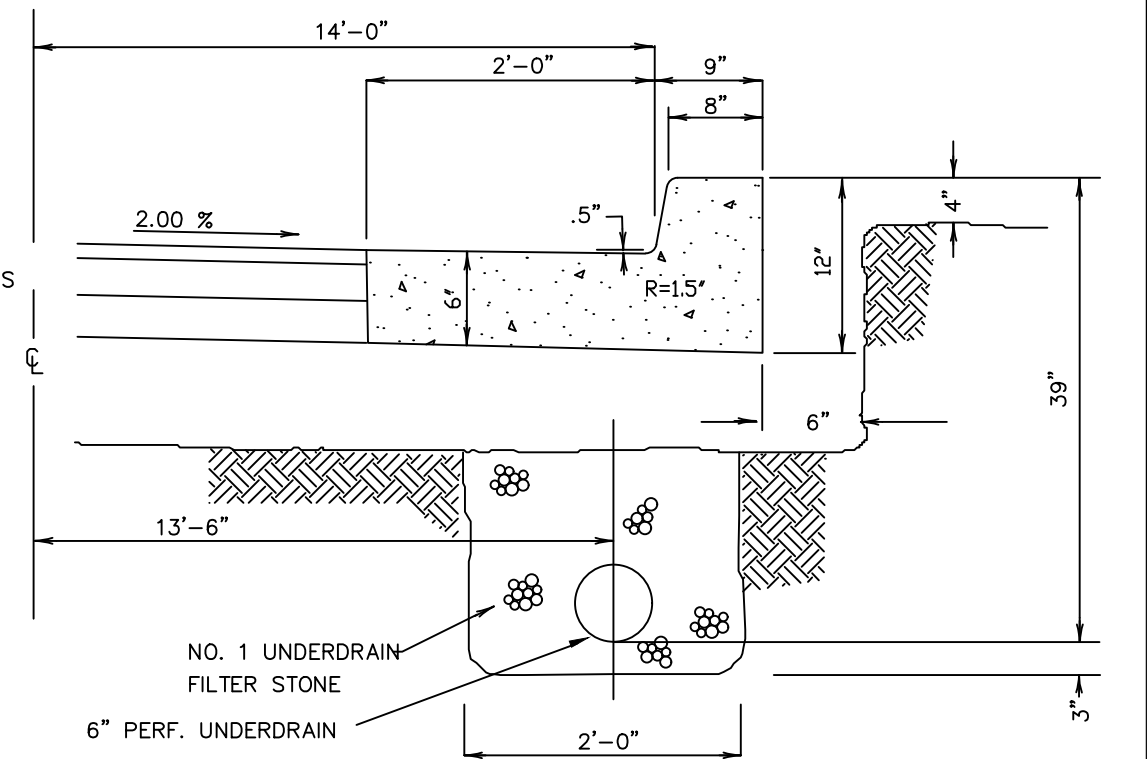
CUL - DE - SAC



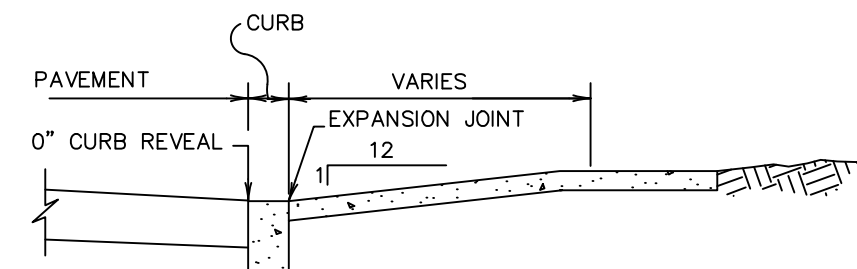
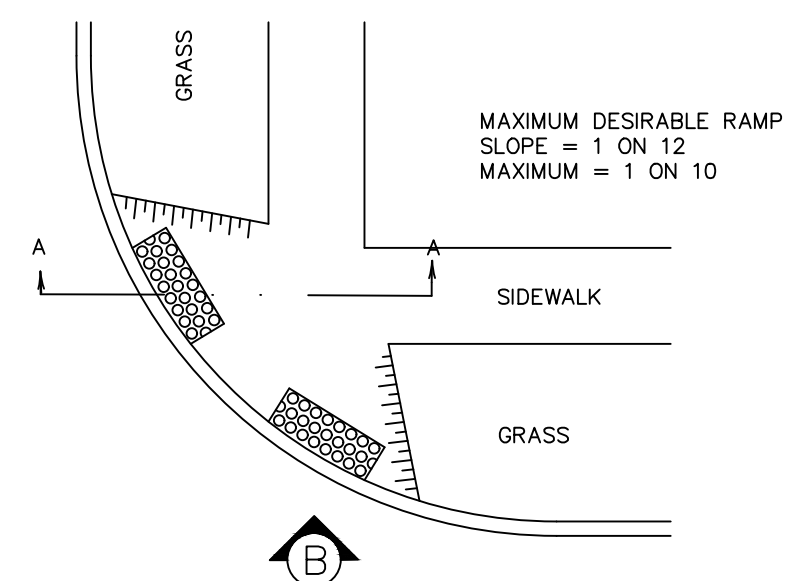
TYPICAL 60' WIDE R.O.W.



MINIMUM STANDARD FOR DRIVEWAY AND SIDEWALK REPLACEMENT



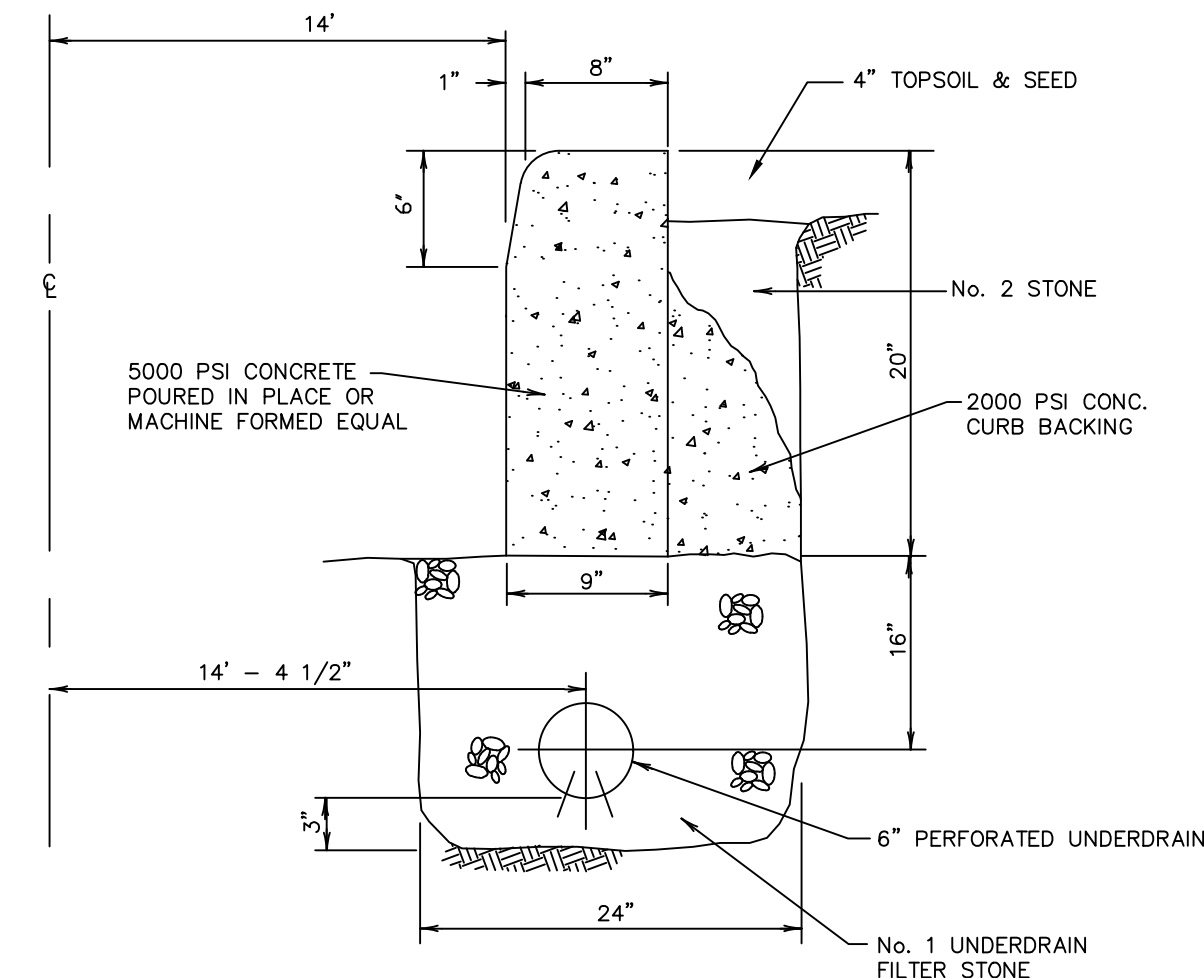
TYPE "BB" CURB & GUTTER



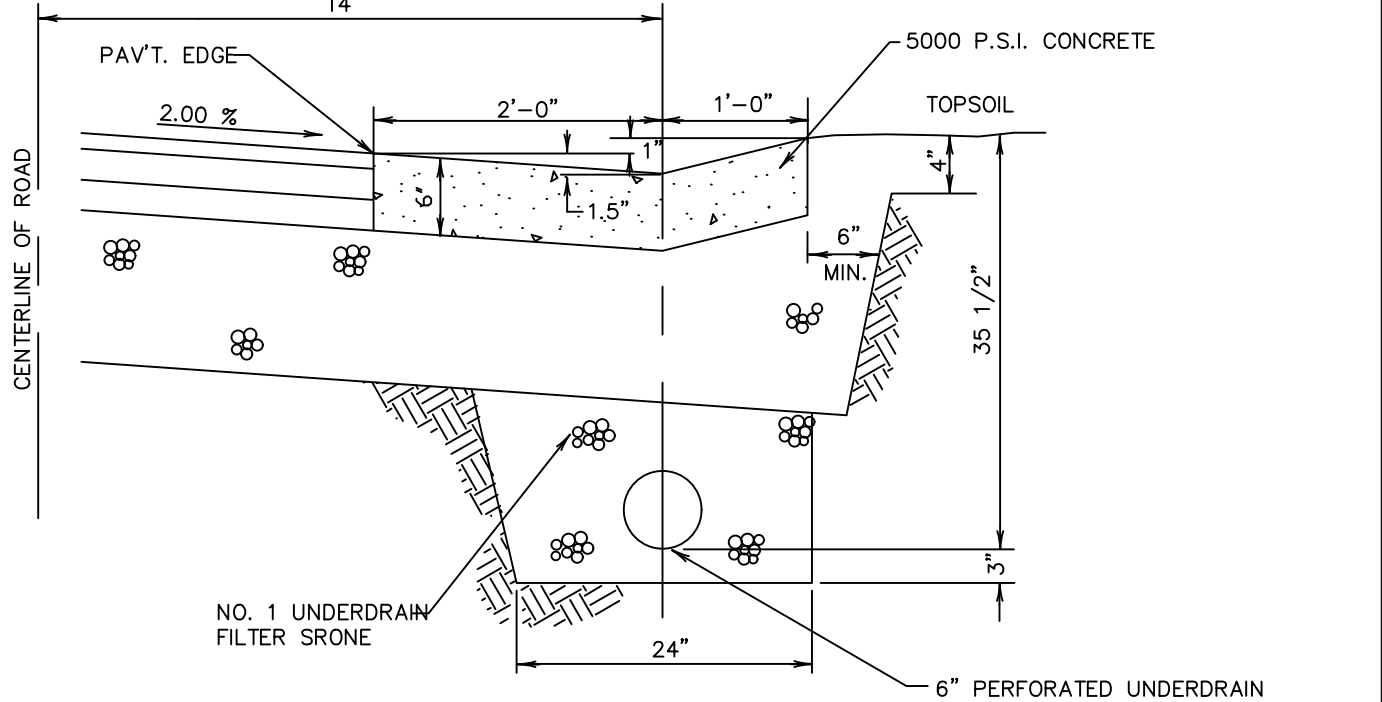
SECTION A-A

PROFILE VIEW B

SIDEWALK RAMP

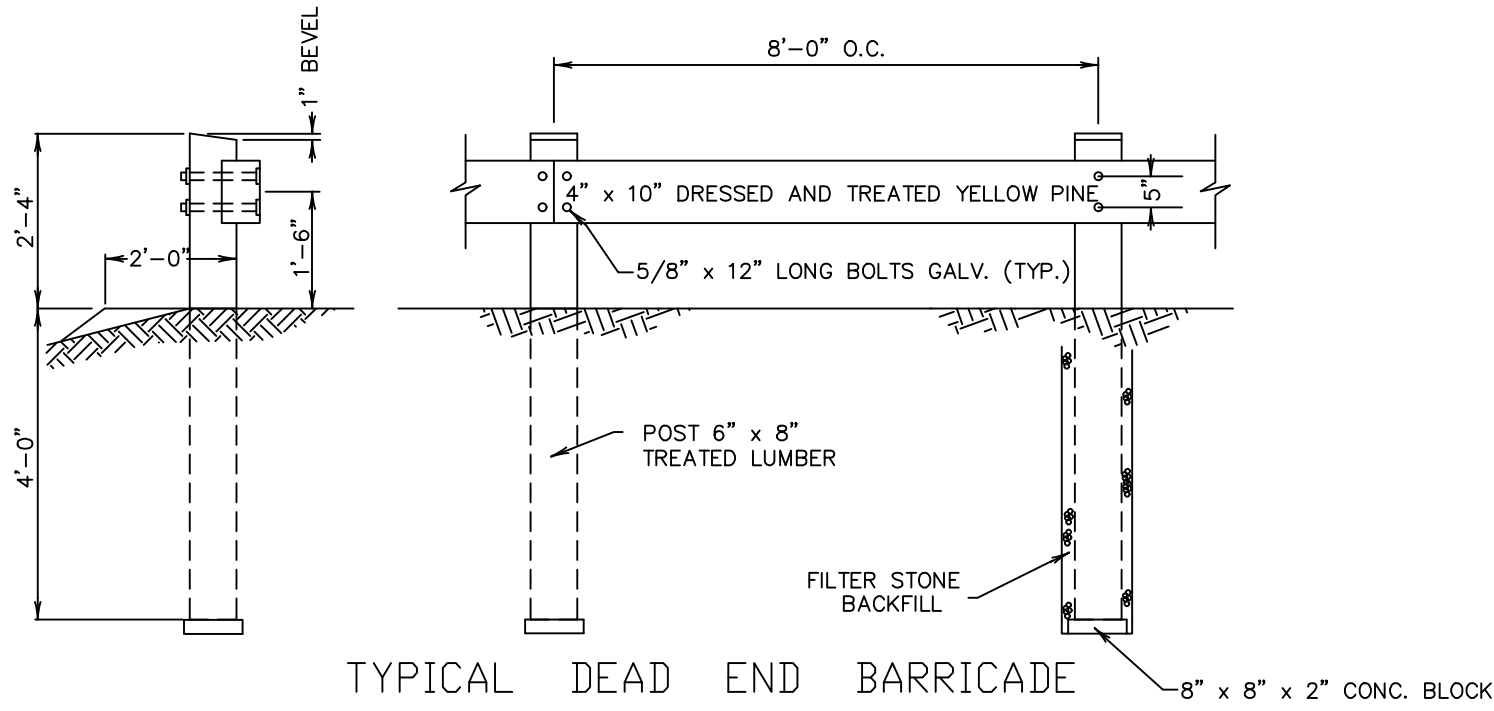


TYPE "BB" CURB



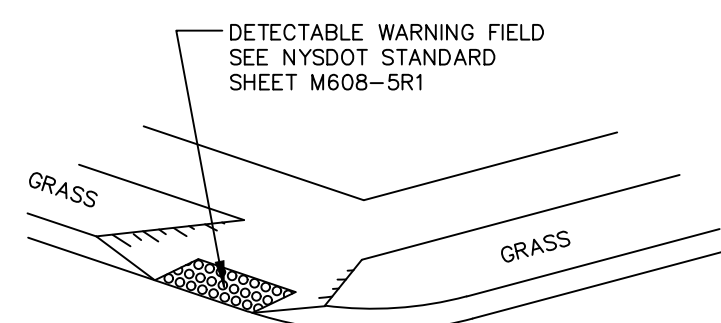
TYPE "BB" GUTTER

CURB AND GUTTER DETAILS



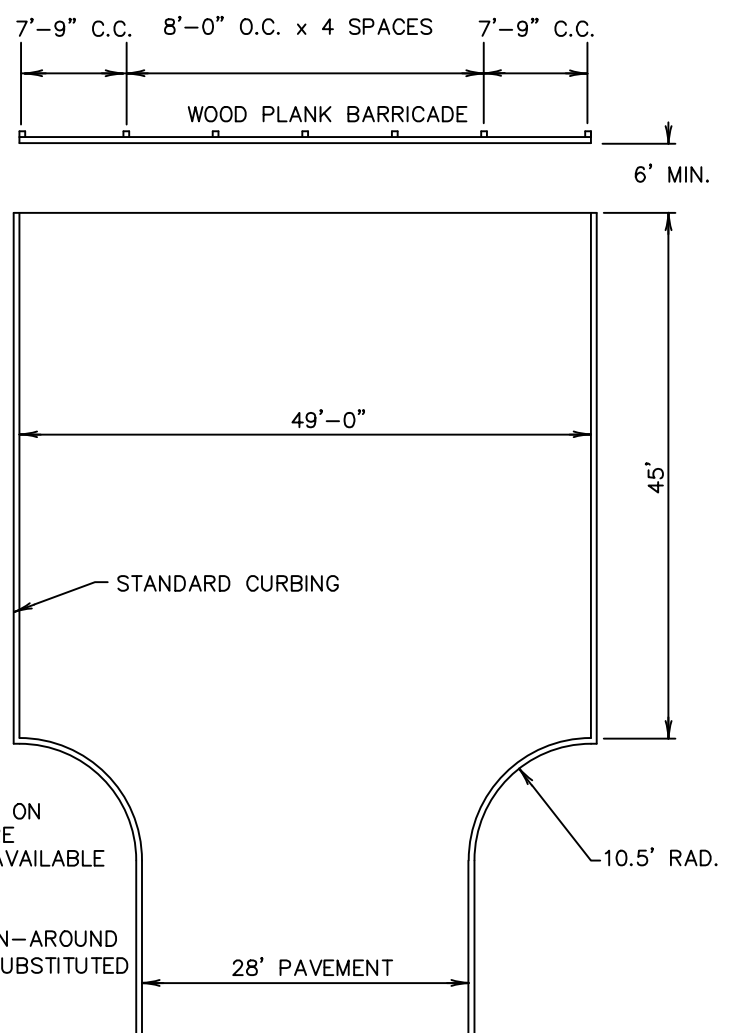
TYPICAL DEAD END BARRICADE

- NOTES:  
 1. BARRICADE SHALL BE APPROXIMATELY 6 FEET BEHIND EDGE OF PAVEMENT.  
 2. THE WOOD POSTS SHALL BE OF SOUND AND CLEAR SEASONED YELLOW PINE. ALL WOOD SHALL BE TREATED LUMBER.

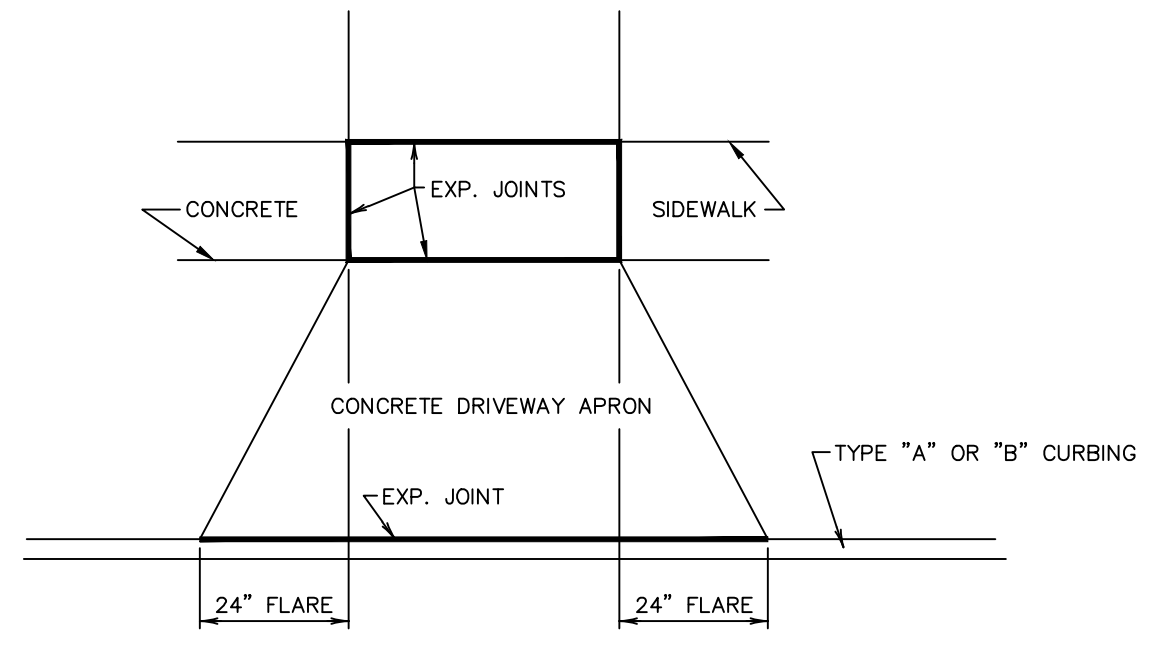


TURN-AROUND TO BE USED ON EXISTING 50' STREETS WHERE ADDITIONAL R.O.W. IS NOT AVAILABLE

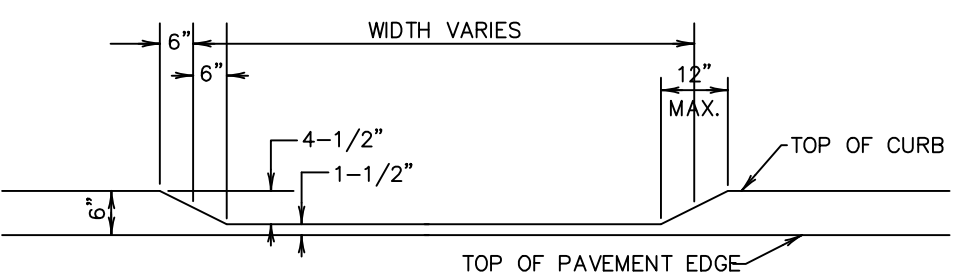
ACCEPTABLE CIRCULAR TURN-AROUND OR CUL-DE-SAC MAY BE SUBSTITUTED



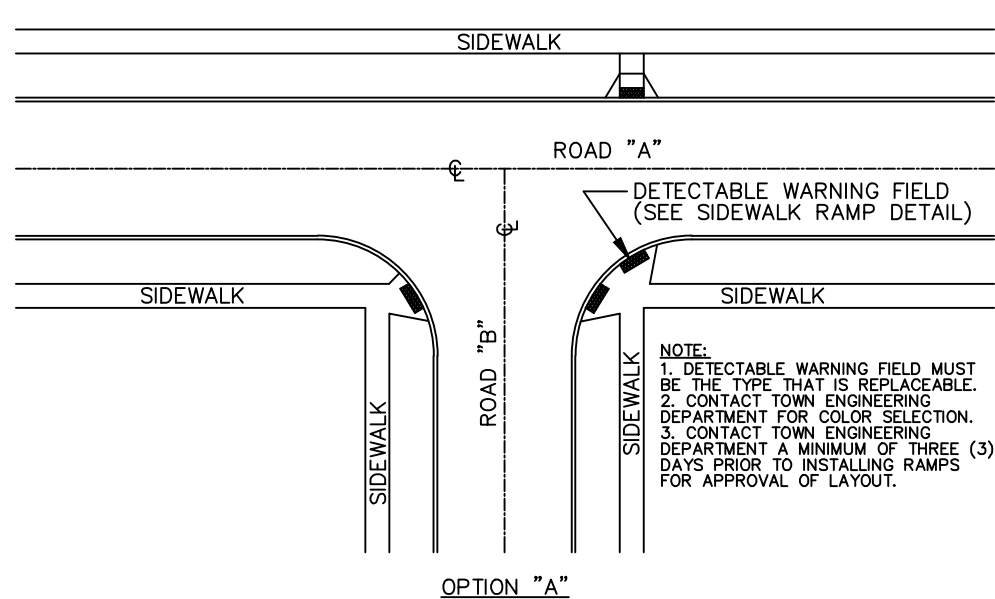
TURN AROUND



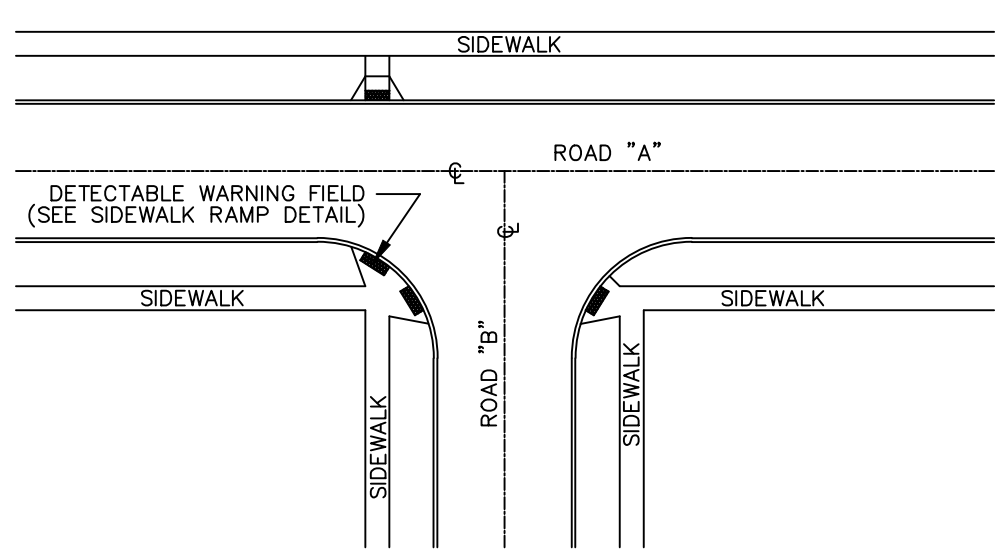
PLAN



DRIVEWAY CURB CUTS

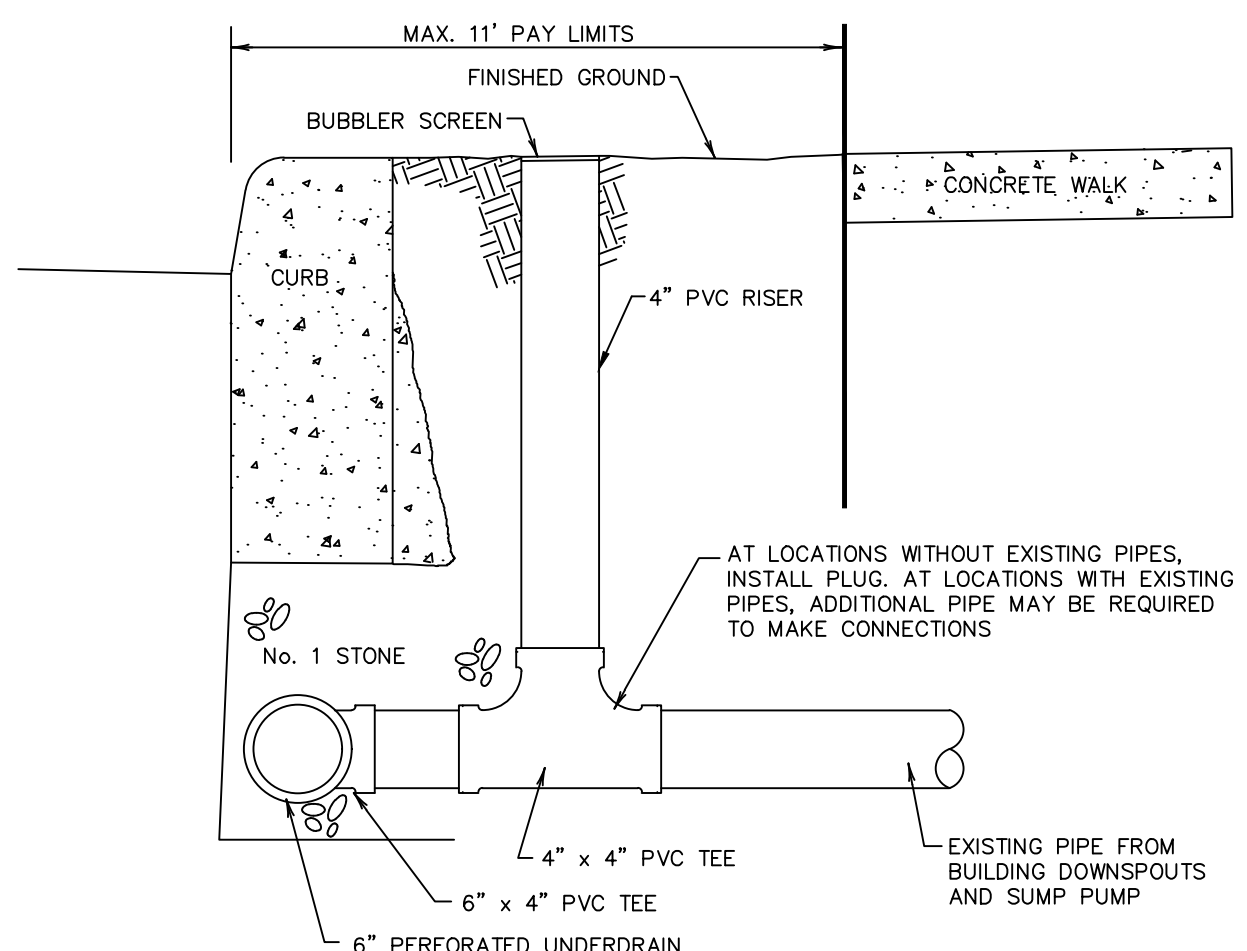


OPTION "A"

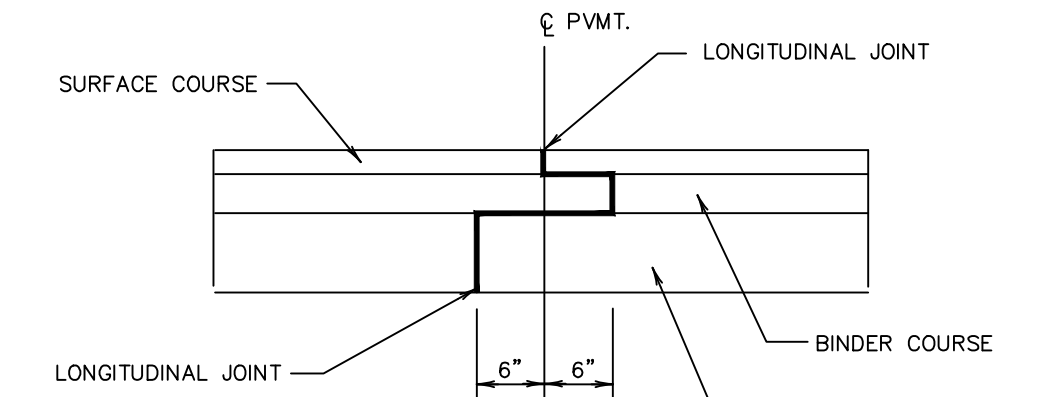


OPTION "B"

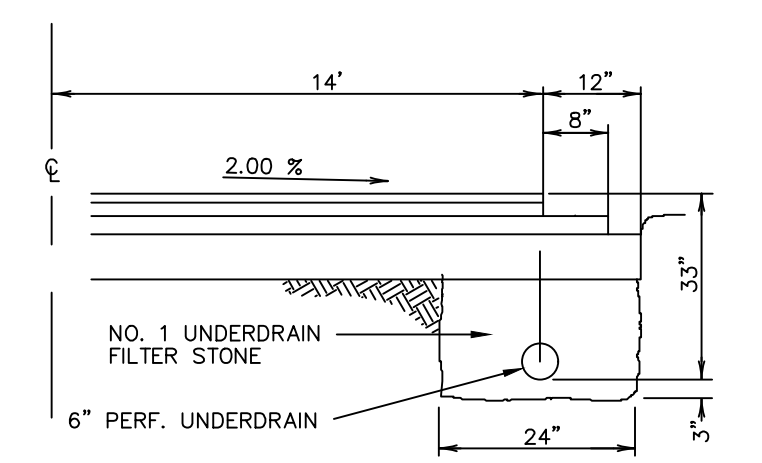
RAMP LAYOUT AT TEE INTERSECTIONS



YARD DRAIN



PAVEMENT OVERLAPPING DETAIL



TYPICAL PAVEMENT SECTION

REVISIONS

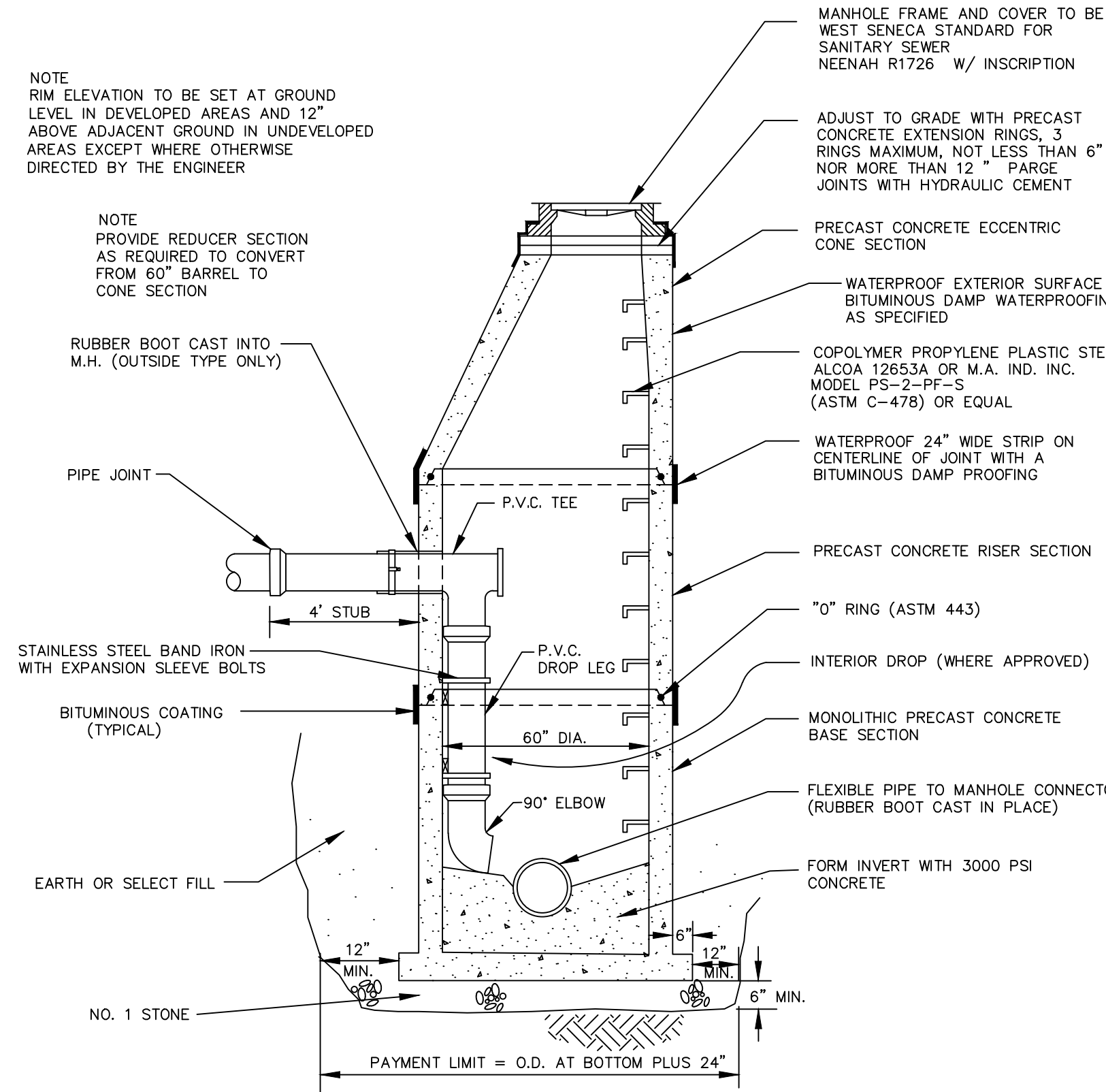
NO.	DATE	DESCRIPTION	BY
9			
8	7/8/19	REVISED CONC. TO 5000 PSI	RP
7	6/8/17	SIDEWALK RAMP	RP
6	3/21/16	YARD DRAIN PAY LIMITS	RP
5	1/18/12	SIDEWALK RAMP	DS
4	4/11	ADDED DETECTABLE WARNING SURFACE	RP
3	4/27/04	PAVEMENT GRADE	DS
2	5/13/03	VARIOUS CHANGES	DS
1	4/1/02	TYPE "BB" CURB	DS

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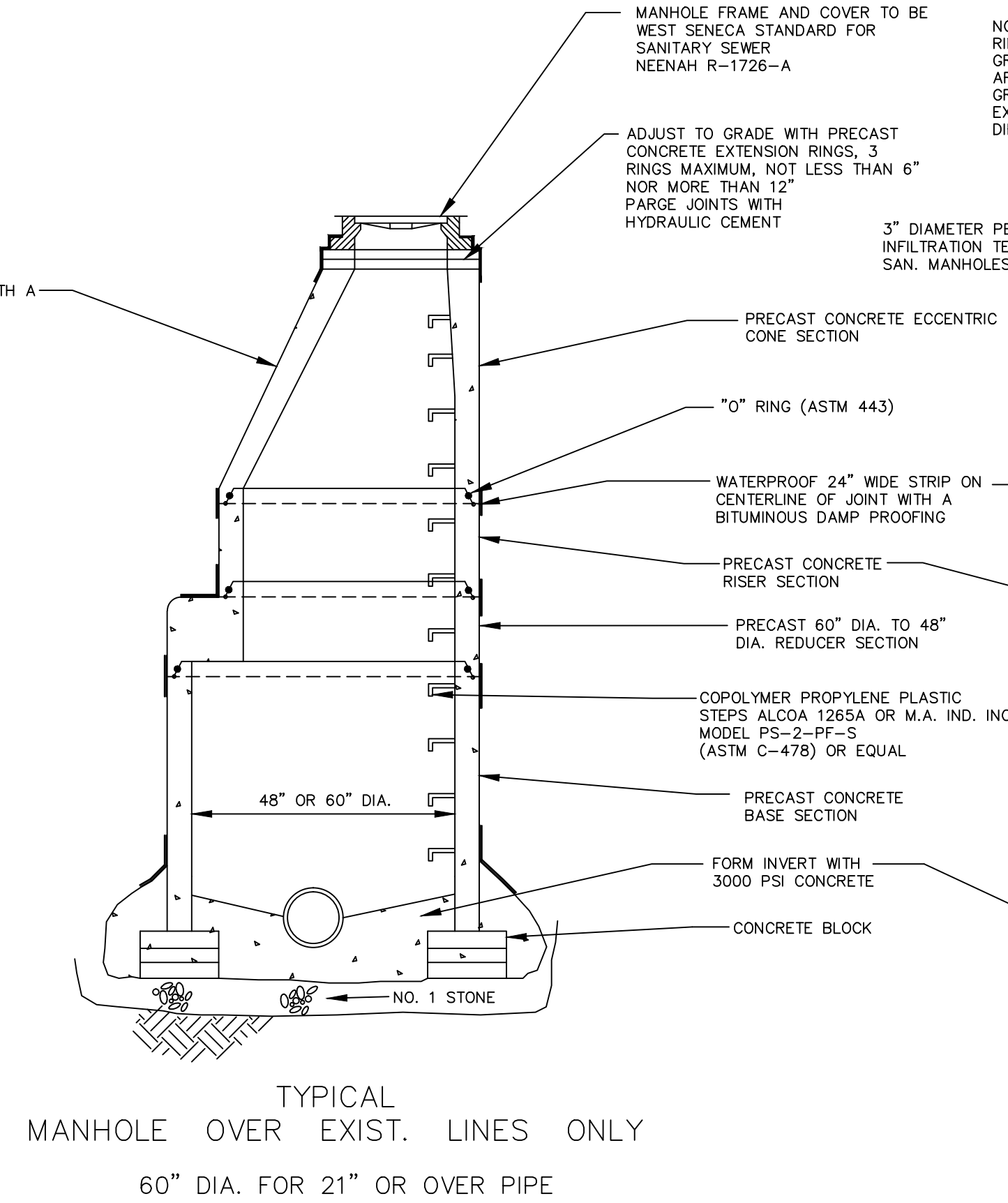
PAVING DETAILS

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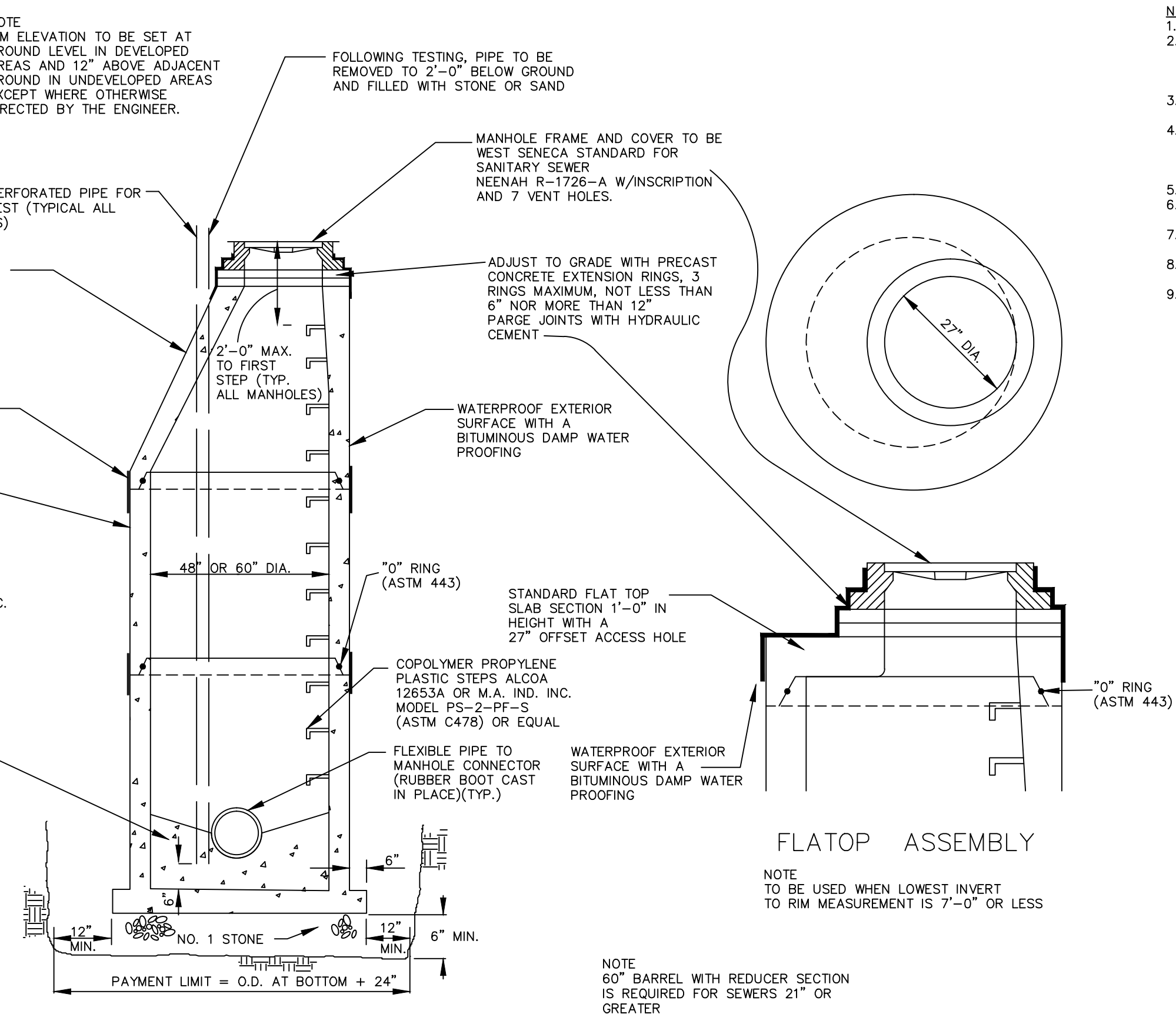




TYPICAL DROP MANHOLE

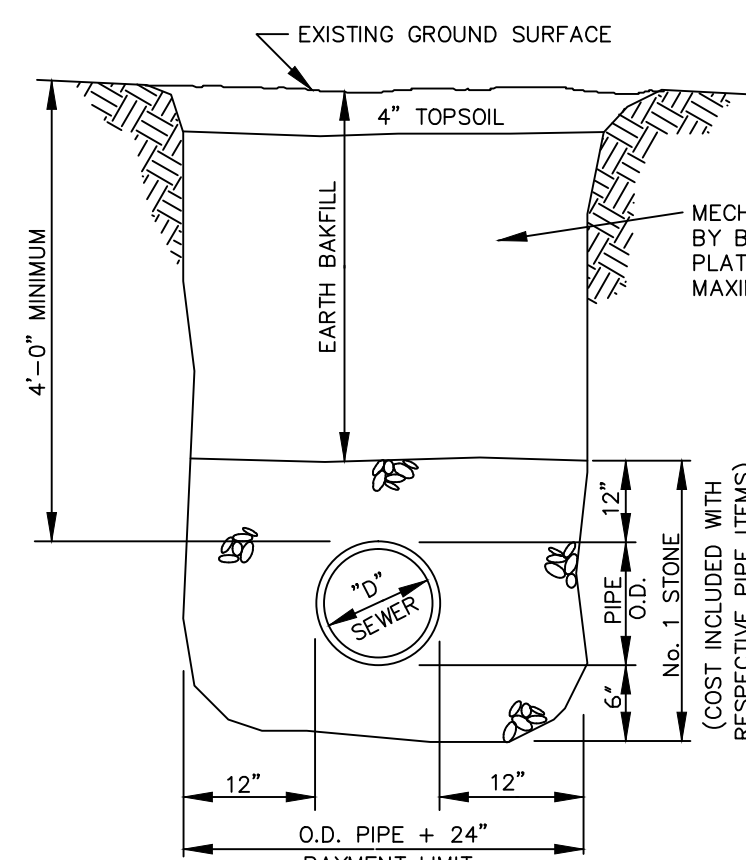


TYPICAL MANHOLE - NEW CONSTRUCTION  
60" DIA. FOR 21" OR OVER PIPE

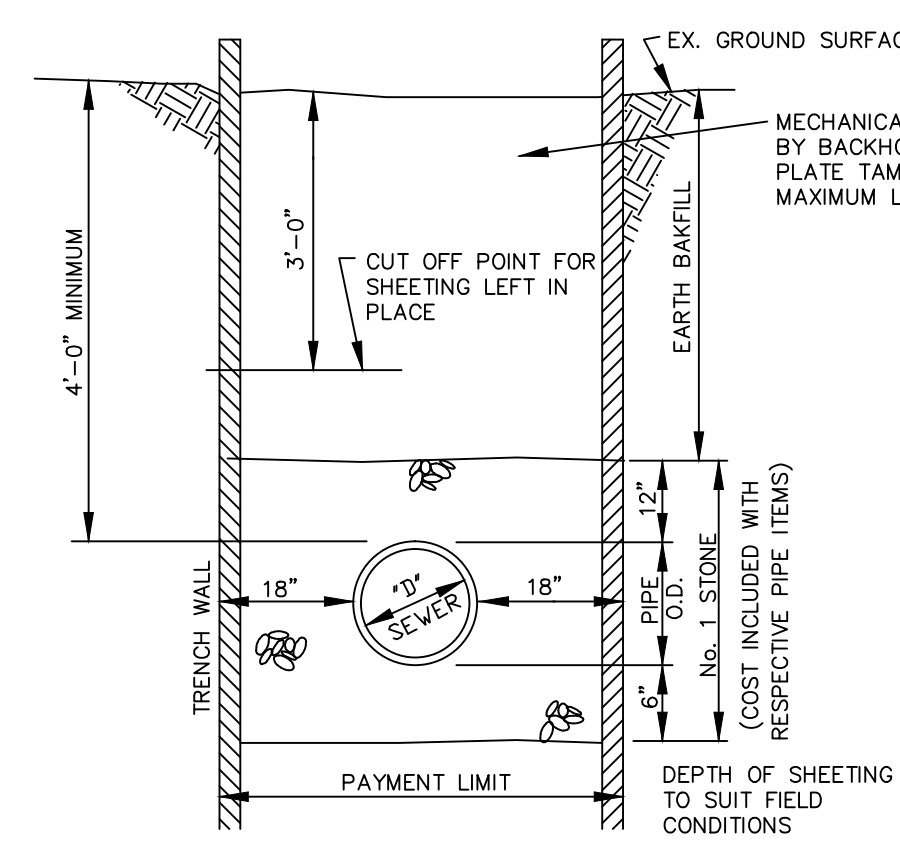


TYPICAL MANHOLE - NEW CONSTRUCTION  
48" OR 60" DIAMETER

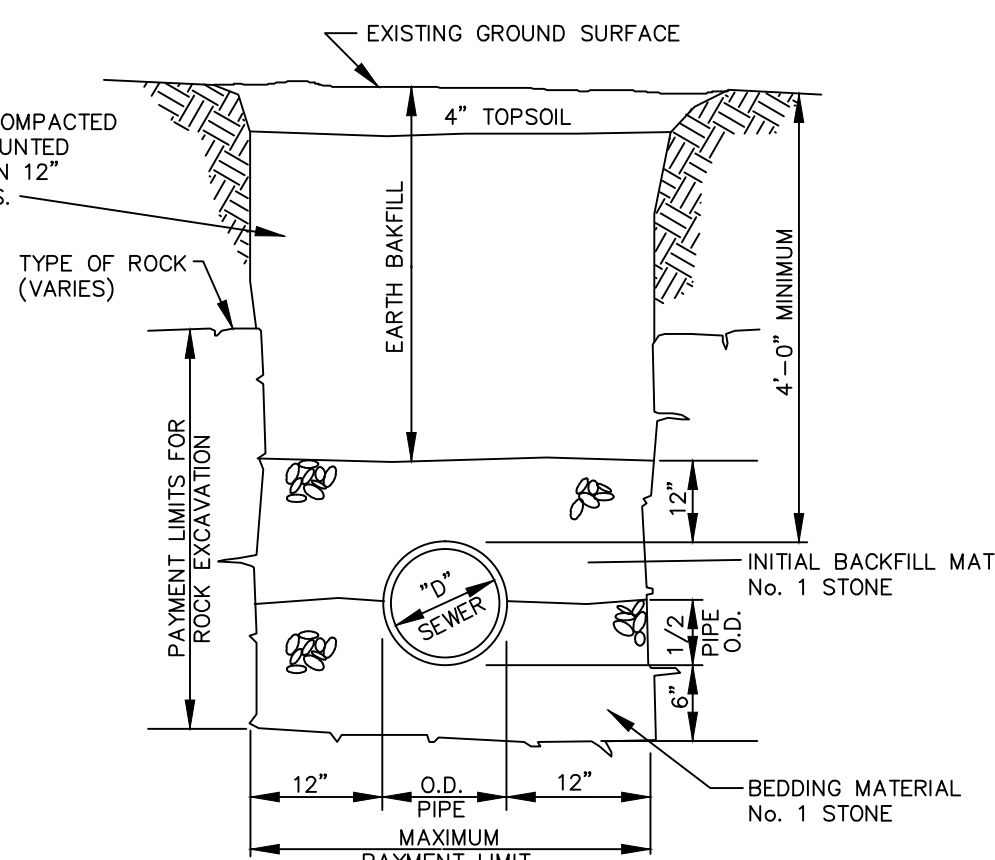
- NOTES:
1. STUBS 4" MAX. R.C.P., 1" MAX. ALL OTHER PIPE MATERIALS FROM OUTSIDE FACE
  2. USE TWO COATS OF SIKAGUARD NO. 62 BY SIKA OR DURALCOTE BY DURAL OR APPROVED EQUIVALENT FOR INTERIOR COATING OF BASE TO TOP OF HIGHEST PIPE. USE TWO COATS OF KOPPERS SUPER SERVICE BLACK OR APPROVED EQUIVALENT ON OTHER INTERIOR AND ALL EXTERIOR SURFACES.
  3. ALL RISER JOINTS SHALL BE RUBBER RING GASKETS CONFORMING TO A.S.T.M. C443 WITH FLEXIBLE JOINT SEALER ON OUTSIDE OF JOINTS.
  4. PIPE CONNECTIONS TO MANHOLE BASE SHALL BE BELL WALL FITTINGS FOR R.C.P. WITH STEEL RING JOINTS. FOR ALL OTHER PIPES USE PRESS-SEAL CAS14-A-SEAL 12-06 CAST IN BOOT OR PSX DIRECT DRIVE CONNECTOR. CONNECTION SHALL BE GROUTED AND ALL SURFACES COATED.
  5. PRECAST BASES, RISER SECTIONS AND TOP SLABS SHALL CONFORM WITH A.S.T.M. C478.
  6. CORED OPENINGS IN MANHOLE RISER SECTIONS SHALL NOT BE LESS THAN 6" FROM A RISER JOINT.
  7. MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED FOR USE UNDER H-20 LOADING.
  8. REQUIRE 24" I.D. FRAME AND COVER, NEENAH R-1726-A, SYRACUSE NO. 1004, OR APPROVED EQUAL.
  9. ALL WORK FOR PRECAST SANITARY MANHOLES SHALL BE PAID FOR UNDER SANITARY PRECAST MANHOLE ITEMS. WORK INCLUDES EXCAVATION AND BACKFILL.



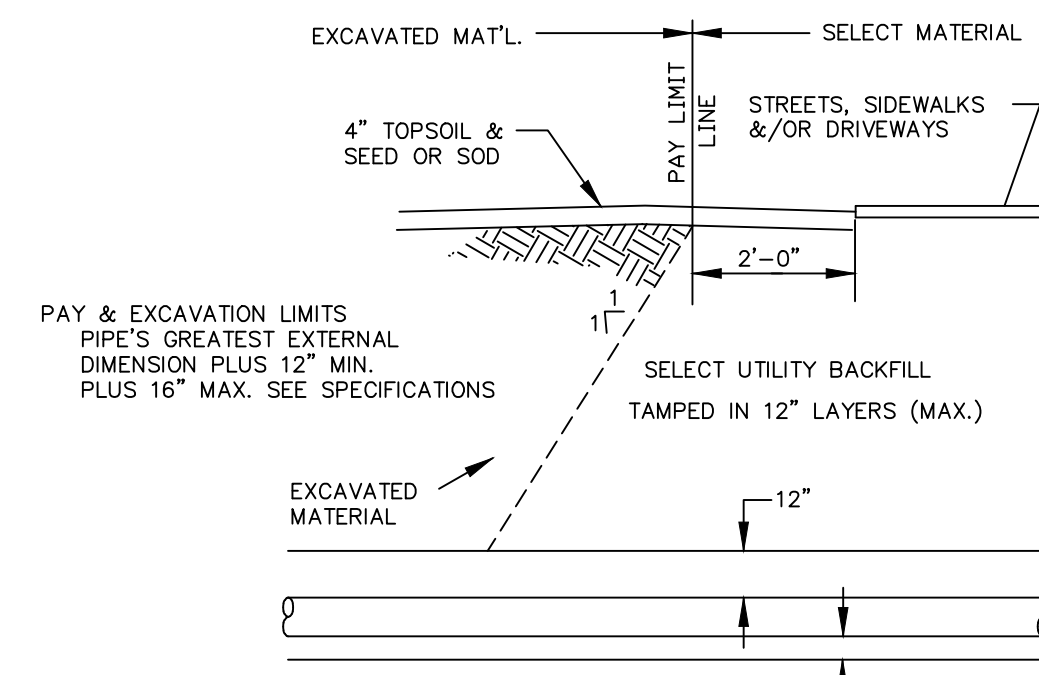
TYPICAL EARTH TRENCH



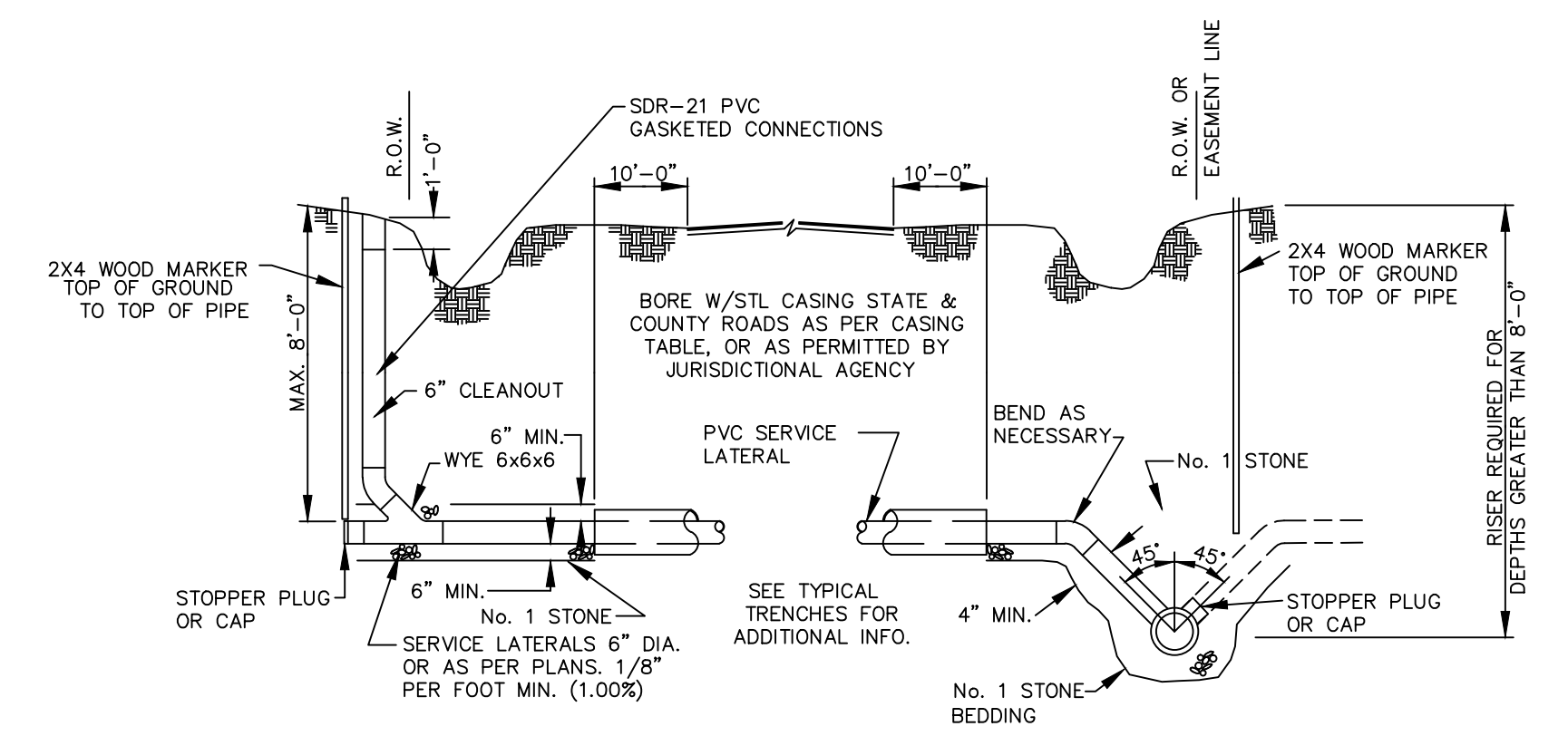
SHEETED TRENCH



ROCK TRENCH



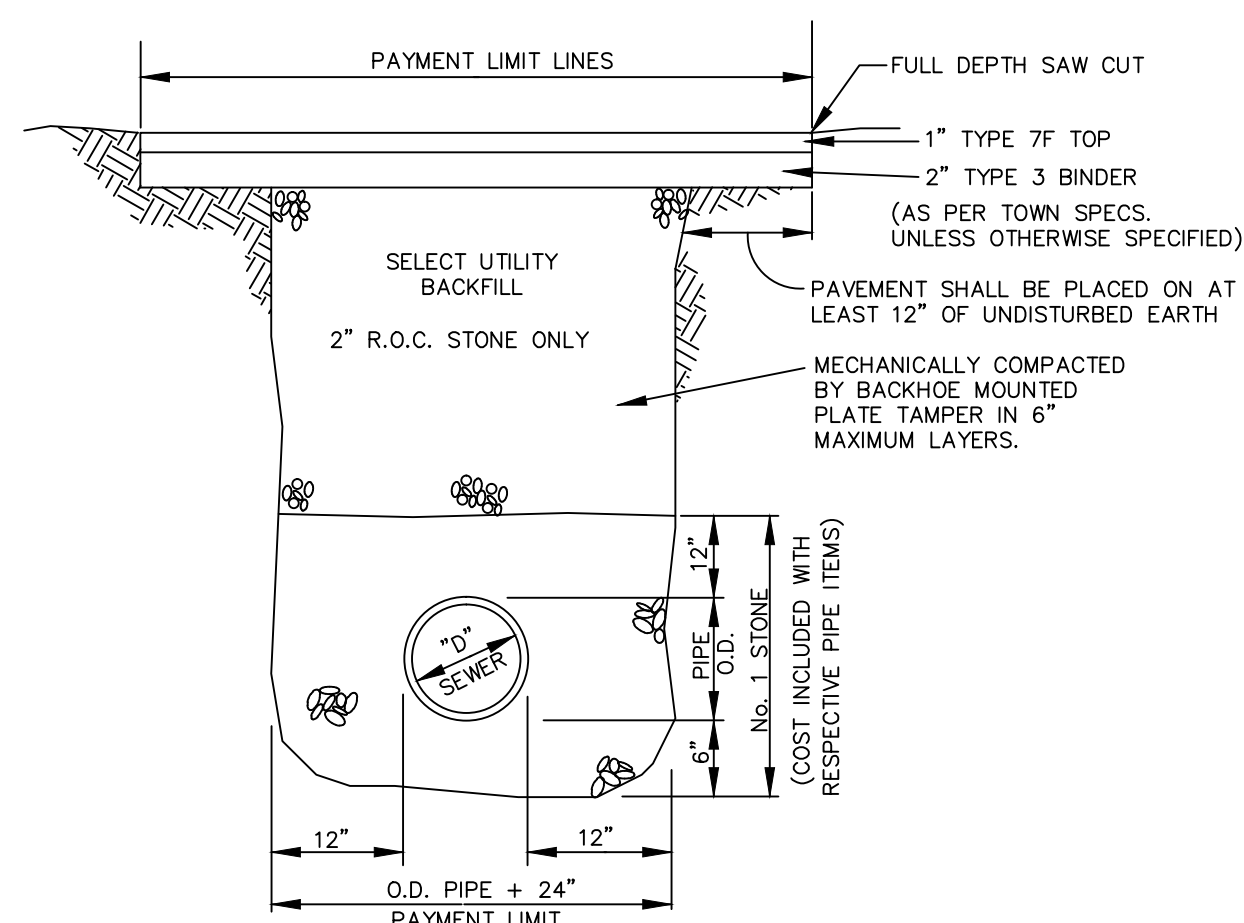
PIPE PAY LIMITS



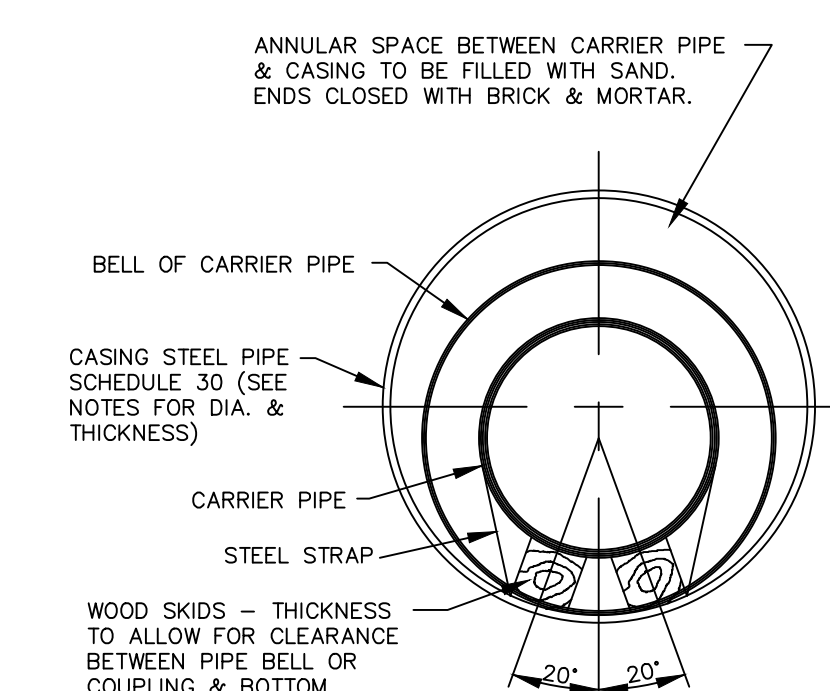
TYPICAL SERVICES

NOTE: SANITARY TRENCH BACKFILL SHALL BE OF A SUITABLE MATERIAL REMOVED FROM THE EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER OR OTHER UNSUITABLE MATERIALS SHALL NOT BE USED FOR BACKFILL.

TYPICAL TRENCH DETAILS IN UNPAVED AND UNTRAVELED AREAS



TYPICAL TRENCH DETAIL  
TOWN ROAD CROSSING



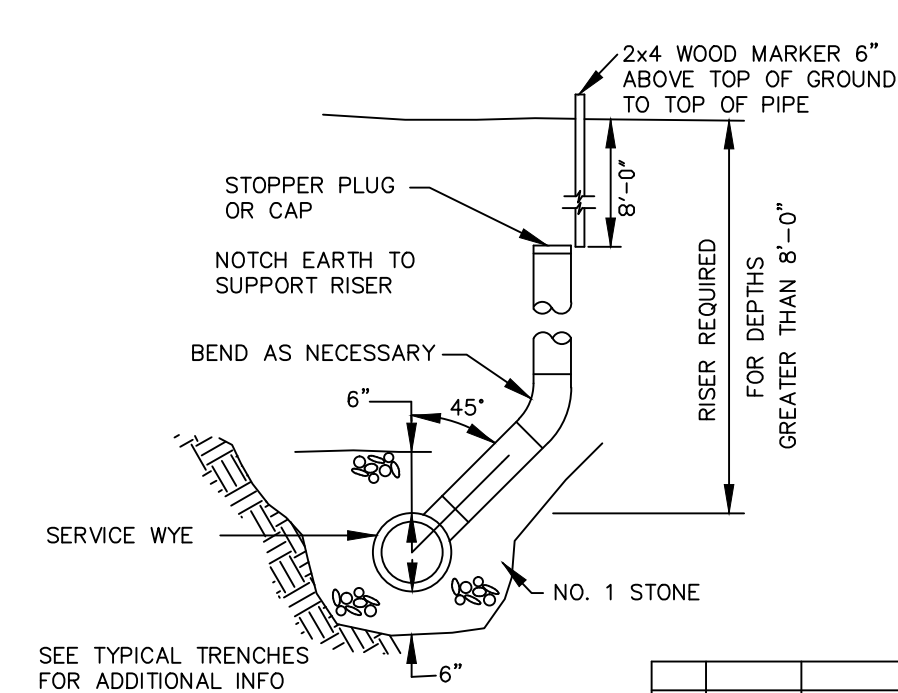
ROAD CROSSING  
JACKING AND BORING METHOD  
6" - 8" DIA. TO 24" DIA. CARRIER PIPE

NOTES:

1. SCHEDULE FOR DIAMETER & THICKNESS OF CASING PIPE

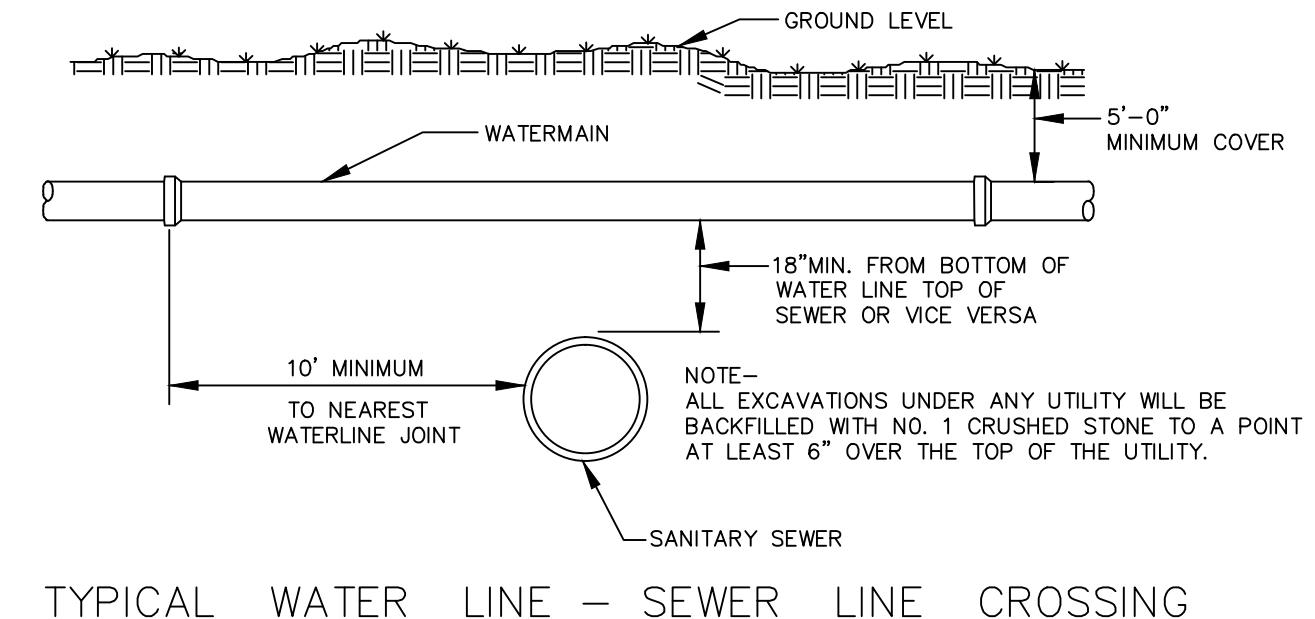
CARRIER PIPE DIAMETER	CASING PIPE DIAMETER	CASING PIPE THICKNESS
6"-8"	18"	0.375
10"	20"	0.375
12"	24"	0.375
15"	27"	0.375
18"	30"	0.375
21"	36"	0.469
24"	42"	0.469

2. CASING TO BE EXTENDED TEN (10) FEET PAST THE EDGES OF PAVING MINIMUM PER HIGHWAY DEPT. STANDARDS.



TYPICAL RISER

NO.	DATE	DESCRIPTION	BY
2014		VARIOUS CHANGES	
2014		ADDED NOTES	



TYPICAL WATER LINE - SEWER LINE CROSSING

WEST SENECA ENGINEERING DEPARTMENT  
1250 UNION ROAD, WEST SENECA, N.Y. 14224  
PHONE : 674-5600

SANITARY SEWER DETAILS

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