

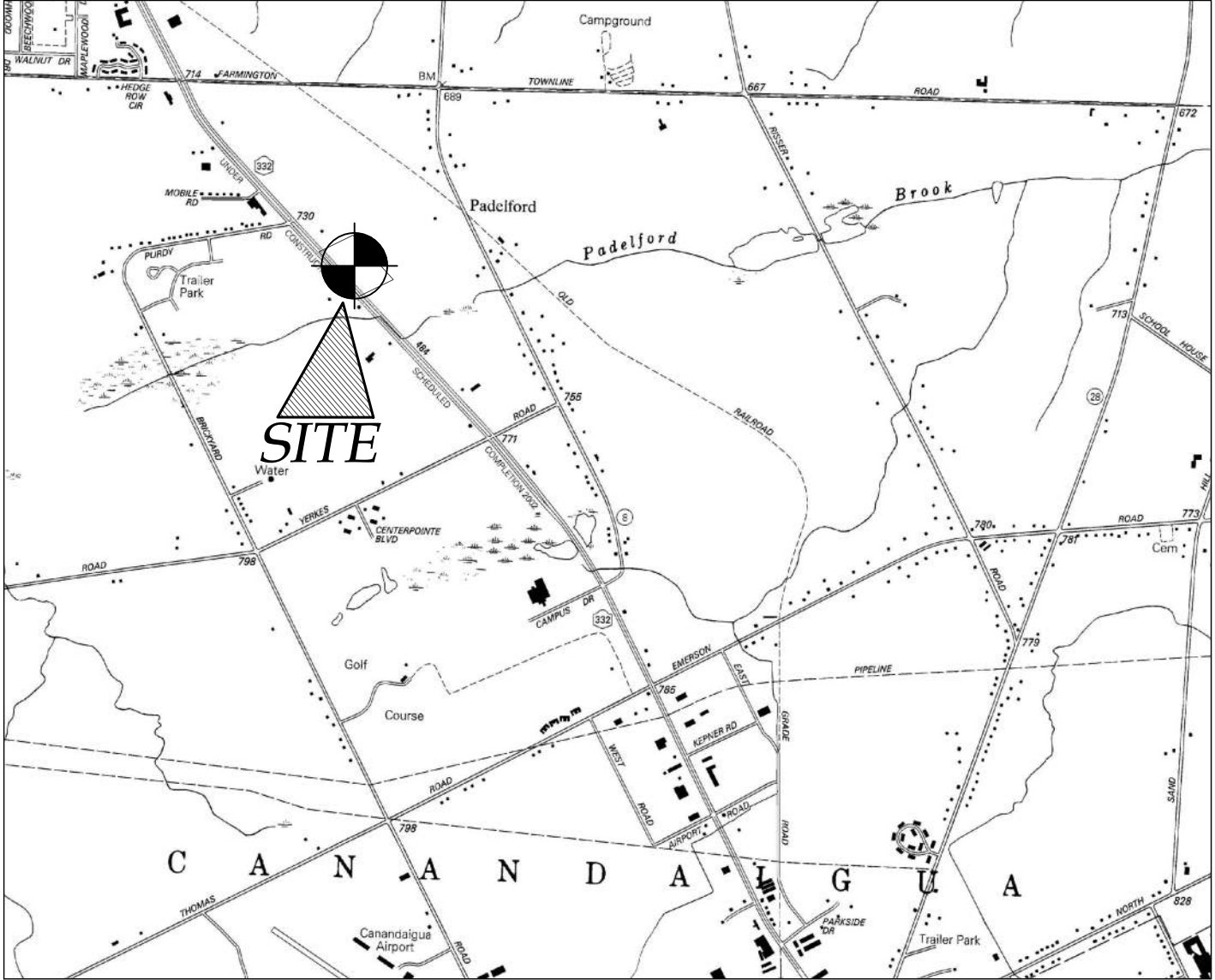
FELIX TAO - OPTOMETRY

NEW MEDICAL OFFICE BUILDING

1947 N.Y.S. ROUTE 332
TOWN OF CANANDAIGUA
COUNTY OF ONTARIO
STATE OF NEW YORK
MARCH 13, 2020



AERIAL MAP — FOR REFERENCE ONLY
NTS



LOCATION MAP
NTS

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FELIX TAO - OPTOMETRY
NEW MEDICAL OFFICE BUILDING
1947 N.Y.S. ROUTE 332
CANANDAIGUA, NY 14424

PREPARED FOR:
FELIX TAO
4480 COUNTY ROAD 16
CANANDAIGUA, NY 14424

PROPERTY OWNER:
SIMMONS ROCKWELL REALTY ASSOC., LLC
1160 COUNTY ROUTE 66
HORNELL, NEW YORK 14843

DATE: 03/13/2020
REVISIONS: 3/19/2020 TOWN PRC COMMENTS


NOT FOR CONSTRUCTION


MarksEngineering
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AGRICULTURAL NOTE:

THIS PROPERTY IS LOCATED WITHIN AN ESTABLISHED AGRICULTURAL DISTRICT CONTAINING A FARM OPERATION. RESIDENTS SHOULD BE AWARE THAT SUCH FARM OPERATIONS MAY GENERATE DUST, ODOR, SMOKE, NOISE, VIBRATION AND OTHER ACTIVITIES WHICH MAY BE COMPATIBLE WITH RESIDENTIAL USE OF THIS PROPERTY.

GENERAL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND PROPERTY MARKERS. IT IS THE NYS LAW TO CALL NYS DIG SAFE FOR UPFO (811) PRIOR TO ANY EXCAVATION.
2. THE ROADWAY SHALL BE KEPT FREE OF DEBRIS DURING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY CONTROL DEVICES. SUCH DEVICES (BARRICADES, FENCING, ETC.) SHALL BE IMPLEMENTED TO MINIMIZE RISK OF INJURY TO PEDESTRIANS AND WORKERS. CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN COMPLIANCE WITH OSHA GUIDELINES.
4. PLANS ARE GRAPHIC REPRESENTATIONS OF WORK TO BE PERFORMED. THESE PLANS ARE TO INTENDED TO CONVEY ENGINEERING INFORMATION ONLY.
5. CONTRACTOR TO VERIFY ALL LOCATIONS, GRADES AND INVERTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
6. ALL SPECIFIED MATERIALS ARE TO BE INSTALLED AS PER MANUFACTURES RECOMMENDATIONS OR INDUSTRY STANDARD.
7. ANY SYSTEM MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, NYS BUILDING CODES, AND/OR LOCAL REGULATIONS REQUIRED BY SITE CONSTRAINTS, UNFORESEEN CONDITIONS OR GOVERNING AUTHORITIES WILL BE DONE AT THE RISK OF THE CLIENT.

SITE NOTES:

1. THE CONSTRUCTION SITE IS NOT WITHIN 100' OF A WETLAND AS DELINEATED BY NYS DEC. THERE ARE NOT NYS DEC DELINEATED OR APPARENT WETLANDS ON THE PROPERTY AS SHOWN.
2. THE CONSTRUCTION SITE IS NOT WITHIN A 100 YEAR FLOODPLAIN AS DELINEATED BY FEMA MAP#360601 0003C DATED DECEMBER 5, 1996.
3. WATER SUPPLY: PUBLIC WATER – TOWN OF CANANDAIGUA
4. NYS SPDES PERMIT IS REQUIRED FOR THESE CONSTRUCTION ACTIVITIES. DISTURBANCE SHALL BE LESS THAN FIVE ACRES. IF THE CONTRACTOR OR OWNER AT ANY TIME PLAN DISTURB GREATER THAN FIVE ACRES THE ENGINEER SHALL BE NOTIFIED.
5. ALL NEW OUTDOOR LIGHTING ON SHALL HAVE APPROPRIATE SHIELDS AND CUT-OFF TO LIMIT ILLUMINATION OF OTHER PROPERTIES. ALL LIGHTS SHALL BE DARK SKY COMPLIANT.

PIPE BEDDING DETAILS
FOR STORM LINES

TYPE OF UTILITY:	STORM SEWER
PIPE MATERIAL:	PVC
APPLICABLE PIPE SIZE:	4" TO 15"
TRENCH WIDTH:	MAX. O.D. + 24"
TRENCH CONDITIONS:	SELECT EARTH
BEDDING SPECIFICATION:	THE TRENCH BOTTOM SHALL BE TRUE, EVEN, AND FREE OF LARGE STONES, LARGE DIRT CLODS, AND ANY OTHER FROZEN MATERIAL AS APPROVED BY THE ENGINEER. A MINIMUM OF THREE (3) INCHES OF NO. 1 AND NO. 1A CRUSHED STONE MIXED EQUALLY (NYS DOT GRADATION TABLE 703-4) SHALL BE INSTALLED AND TAMPED TO PROVIDE SATISFACTORY BEDDING FOR THE PIPE WHICH IS FIRM AND GIVES CONTINUOUS SUPPORT OF THE PIPE BARREL. DEPRESSIONS SHALL BE HOLLOWED IN THE TRENCH BOTTOM FOR PIPE BELLS AT ALL JOINTS IN THIS GRANULAR LIFT.
BACKFILL SPECIFICATION:	INITIAL BACKFILL FROM THE TOP OF THE PIPE BEDDING MATERIAL TO THE SPRING LINE OF THE PIPE SHALL CONSIST OF NO. 1 AND NO. 1A CRUSHED STONE (NYS DOT GRADATION TABLE 703-4) MIXED EQUALLY. FROM THE SPRING LINE OF THE PIPE TO 12" ABOVE THE TOP OF THE PIPE APPROVED SELECT BACKFILL MATERIAL, FREE OF LARGE STONES, DIRT CLODS, OR FROZEN MATERIAL WITH ANY DIMENSION GREATER THAN 1-1/2" SHALL BE INSTALLED. THE REMAINDER OF THE BACKFILL MATERIAL NEED NOT BE AS CAREFULLY SELECTED AS THE INITIAL BACKFILL. LARGE STONES SHALL BE AVOIDED THAT COULD DAMAGE THE INSTALLED PIPE WHEN DROPPED OR WHEN FORCE THROUGH THE SOIL CUSHION OF THE INITIAL BACKFILL.
TYPE OF UTILITY:	STORM SEWER
PIPE MATERIAL:	PVC
APPLICABLE PIPE SIZE:	4" TO 15"
TRENCH WIDTH:	MAX. O.D. + 24"
TRENCH CONDITIONS:	ROCK OR HARD PAN
BEDDING SPECIFICATION:	A MINIMUM CUSHION OF 6" OF NO. 1 AND NO. 1A CRUSHED STONE (NYS DOT GRADATION TABLE 703-4) SHALL BE USED WHEN EXCAVATING THROUGH ROCK OR HARD PAN. THE REMAINDER OF THE BEDDING INSTRUCTIONS SHALL BE AS THOSE FOR BEDDING IN SELECT EARTH.
BACKFILL SPECIFICATION:	SEE INSTRUCTIONS FOR PVC SEWER PIPE, BACKFILL IN SELECT EARTH
TRENCH CONDITIONS:	WET EARTH
BEDDING SPECIFICATION:	IN ADDITION TO THE BEDDING REQUIRED FOR PVC SEWER PIPE IN SELECT EARTH, AN ADDITIONAL 6" OF NO. 2 AND NO. 3 CRUSHED STONE (NYS DOT GRADATION TABLE 703-4) MIXED EQUALLY SHALL BE INSTALLED TO SUPPORT THE SPECIFIED BEDDING MATERIAL, 3' OR NO. 1 AND NO 1A CRUSHED STONE.
BACKFILL SPECIFICATION:	SEE INSTRUCTIONS FOR PVC SEWER PIPE, BACKFILL IN SELECT EARTH

GRADING NOTES:

1. CUT AND FILL SLOPES SHALL NOT EXCEED 3 ON 1.
2. CONSTRUCTION SHALL CONFORM TO THE TOWN OF CANANDAIGUA AND NYS CODES AND STANDARDS
3. SITE SHALL BE GRADED SUCH THAT THERE IS POSITIVE DRAINAGE AT A MINIMUM OF 2% AWAY FROM ANY BUILDINGS, STRUCTURES, DRIVEWAYS, AND SEPTIC SYSTEM.
4. TOPSOIL SHALL BE STRIPED OF AREAS PLANNED FOR CONSTRUCTION AND REAPPLIED AFTER GRADING IS FINISHED. ANY UNUSED TOPSOIL SHALL BE HAULED OFF SITE.

UTILITY NOTES:

- 1) CONTRACTOR SHALL VERIFY LOCATION OF EXISTING SERVICE AND COORDINATE ALL WORK W/ UTILITY PROVIDERS. RELOCATE WATER AND SANITARY PIPING AS REQUIRED.
- 2) ELEC SERVICE AND COMMUNICATION SHALL MEET CURRENT NATIONAL ELECTRIC CODE.

DRIVEWAY AND GRADING NOTES:

1. DRIVEWAY SHALL NOT EXCEED 10% TRAVERSING SLOPE AND 2% CROSS SLOPE.
2. DRIVEWAY SHALL BE MINIMUM 12 FEET IN WIDTH (RESIDENTIAL) OR 20' IN WIDTH (COMMERCIAL).
3. DRAINAGE SWALES SHALL HAVE A MINIMUM DEPTH OF 12" AND MINIMUM WIDTH OF 4'. SWALES SHALL HAVE A LINEAR SLOPE OF MINIMUM 2% (1' RISE PER 50' RUN) AND MAXIMUM SIDE SLOPE OF 1' RISE PER 3' RUN.
4. ALL WORK WITHIN RIGHT-OF-WAY SHALL BE PERMITTED BY HIGHWAY SUPERINTENDENT AND COORDINATE W/ INSPECTOR.

WASTEWATER TREATMENT SYSTEM NOTES:

1. THESE PLANS ARE PREPARED IN COMPLIANCE WITH THE PUBLIC HEALTH LAW, APPENDIX 75-A, OF PART 75, OF THE ADMINISTRATIVE RULES AND REGULATIONS CONTAINED IN CHAPTER 10, OF TITLE 10 (HEALTH) OF THE OFFICIAL COMPILATION OF CODES, RULES, AND REGULATIONS OF THE STATE OF NEW YORK.
2. ABSORPTION TRENCHES SHALL BE INSTALLED PARALLEL TO CONTOURS. CONTOURS SHOWN ARE GRAPHIC REPRESENTATIONS OF SITE. CONTRACTOR IS TO VERIFY GRADE AND LAYOUT OF ABSORPTION TRENCH PRIOR TO CONSTRUCTION.
3. AT NO TIME SHALL ANY MACHINERY OR VEHICLE DRIVE OVER TRENCHES. TRACKED EQUIPMENT CAN BE DRIVEN PERPENDICULAR TO TRENCHES AS REQUIRED TO BACKFILL BUT NOT IN EXCESS.
4. THE CONTRACTOR IS TO NOTIFY ENGINEER AFTER COMPLETION OF WORK, WHILE SYSTEM IS OPEN AND SCHEDULE FINAL INSPECTION. AFTER FINAL INSPECTION BY THE ENGINEER, THE SYSTEM MAY BE CLOSED.
5. THE SYSTEM SITE IS TO BE SEEDED, MULCHED, AND RETURNED TO THE VEGETATIVE STATE AS SOON AS POSSIBLE.
6. THE SYSTEM IS TO BE KEPT MOWED AT ALL TIMES, FREE OF TRAFFIC OR HEAVY WHEELED VEHICLES, AND FREE OF SHRUB OR TREE CANOPY FOR THE DURATION OF ITS USE.
7. DO NOT ATTEMPT TO INSTALL SYSTEM ON FROZEN GROUND, WET CONDITIONS OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
8. NO HOT TUBS, SAUNAS, ROOF DRAINS, WATER CONDITIONING BACKWASH SYSTEMS, SUMP CROCKETS ETC. SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
9. EXPANSION AREA SHALL REMAIN CLEAR OF ALL LANDSCAPING, SHRUBS, TREES, AND STRUCTURES. THE EXPANSION AREA SHALL BE MAINTAINED AS LAWN. FUTURE ACCESS TO THIS AREAS SHALL NOT BE LIMITED.
10. SOIL PIPE AND HOUSE SHALL BE VENTED THROUGH THE ROOF OF THE NEW DWELLING W/ AT LEAST ONE 3" VENT MAXIMUM OF 4' HORIZONTALLY AWAY FROM INSIDE OF FOUNDATION WALL. A 4" CLEAN-OUT SHALL BE PROVIDED AT A POINT JUST INSIDE THE FOUNDATION WALL.
11. A SYSTEM SHALL NOT BE BUILT IN UNSTABILIZED FILL MATERIAL. THE FILL MATERIAL SHALL BE ALLOWED TO SETTLE NATURALLY FOR A PERIOD OF AT LEAST SIX MONTHS TO INCLUDE ONE FREEZE–THAW CYCLE OR MAY BE STABILIZED BY MECHANICAL COMPACTION IN SHALLOW LIFTS IF A FILL MATERIAL CONSISTING OF ONLY A GRANULAR SAND OR SANDY LOAM IS USED.
12. THE ABSORPTION TRENCHES SHALL BE CONSTRUCTED IN THE FILL MATERIAL.
13. THE ENTIRE SURFACE OF THE SYSTEM INCLUDING THE TAPERS SHALL BE COVERED WITH A MINIMUM OF SIX INCHES OF TOPSOIL, MOUNDED TO ENHANCE THE RUNOFF OF RAINWATER FROM THE SYSTEM AND SEEDED TO GRASS.
14. PERCOLATION TESTS SHALL BE CONDUCTED IN THE FILL MATERIAL AT THE BORROW PIT AND AFTER PLACEMENT AND SETTLING AT THE CONSTRUCTION SITE. THE SLOWER PERCOLATION RATE OF THESE TESTS SHALL BE USED FOR DESIGN PURPOSES.

STANDARD NOTES

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
2. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO CONFORM WITH THE LATEST NYSDEC GENERAL PERMIT AND TO THE TOWN REQUIREMENTS REGARDING MAINTENANCE AND CONTROL OF STORM WATER QUALITY AND QUANTITY.
3. ALL SWPPP'S ARE REQUIRED TO BE REVIEWED AND APPROVED BY THE TOWN CEO AND TOWN ENGINEER. THE TOWN MSA SWPPP ACCEPTANCE FORM IS TO BE SIGNED AND INSERTED INTO THE PROJECT SWPPP PRIOR TO CONSTRUCTION.
4. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP, INCLUDING FILING OF THE "NOTICE OF INTENT" (NOI). A COPY OF THE NYSDEC ACKNOWLEDGEMENT LETTER IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE AND TOWN ENGINEER PRIOR TO CONSTRUCTION.
5. A COPY OF THE PROJECT SWPPP IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE, TOWN ENGINEER, AND A COPY IS TO REMAIN ONSITE DURING CONSTRUCTION AT ALL TIMES IN A MARKED AND ACCESSIBLE LOCATION.
6. ANY MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, CONSTRUCTION SEQUENCE, AND/OR SWPPP, INCLUDING IMPLEMENTATION OF EROSION CONTROL MEASURES AND STORM WATER MANAGEMENT AREAS, SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA AND DOCUMENTED WITHIN THE PROJECT SWPPP.
7. THE OWNER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC). ALL SWPPP INSPECTIONS ARE TO BE IN A FORM ACCEPTABLE BY THE TOWN OF CANANDAIGUA AND FORWARDED TO OWNER, THE TOWN CEO, TOWN ENGINEER, AND A COPY PLACED WITHIN THE ONSITE PROJECT SWPPP.
8. THE OWNER IS RESPONSIBLE FOR PROVIDING ONSITE SWPPP INSPECTIONS BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) DURING CONSTRUCTION ONCE PER WEEK (EVERY 7 DAYS) IF UNDER 5-ACRES OF DISTURBANCE AND TWICE PER WEEK (EVERY 7 DAYS) IF 5-ACRES OR MORE WITH RECEIPT OF A 5-ACRE WAIVER FROM THE TOWN OF CANANDAIGUA (MS4).
9. DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 5-ACRES AT ONE TIME, IS REQUIRED TO COORDINATE THE REGULAR SWPPP OBSERVATIONS REQUIRED BY THE LATEST GENERAL PERMIT WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR, THE WATERSHED PROGRAM MANAGER AND THE TOWN CODE ENFORCEMENT OFFICER.
10. CONSTRUCTION SEQUENCE – ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE –CONSTRUCTION MEETING.
11. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE TOWN OF CANANDAIGUA.
12. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED, INSPECTED BY THE TOWN OF CANANDAIGUA, AND ISSUANCE OF THE NOTICE OF TERMINATION (NOT) HAS BEEN PROVIDED TO NYSDEC.
14. ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
15. NO SITE PREPARATION SHALL COMMENCE UNTIL A VISUAL INSPECTION BY THE TOWN OF CANANDAIGUA, CONFIRMS THE INSTALLATION OF PERIMETER SEDIMENT CONTROLS AND THE STABILIZED CONSTRUCTION ENTRANCE.
16. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.

LANDSCAPING PLAN NOTES:

1. ONE YEAR GUARANTEE TO BE PROVIDED BY THE CONTRACTOR ON ALL PLANT MATERIAL FROM DATE OF FINAL ACCEPTANCE.
2. ALL EXISTING PAVEMENT, BASE STONE AND UNSUITABLE SUBGRADE MATERIAL IN NEW PLANTING BEDS TO BE REMOVED TO PROVIDE DEPTH FOR SUITABLE PLANTING BACKFILL MATERIAL AS DIRECTED AND APPROVED BY THE ENGINEER.
3. ALL PLANTS SHALL MEET OR EXCEED THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1.
4. PLANTING BACKFILL MIXTURE TO CONSIST OF 4 PARTS TOPSOIL AND 1 PART PEAT MOSS. PROVIDE 10 LBS. OF 5–10–5 FERTILIZER PER 1 CUBIC YARD OF PLANTING BACKFILL TO A MINIMUM DEPTH OF 2'–0".
5. LANDSCAPING CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND BONDS FOR ALL LANDSCAPING WORK IF REQUIRED BY THE TOWN OF CANANDAIGUA.
6. LANDSCAPING CONTRACTOR WILL INFORM THE ENGINEER/LANDSCAPE ARCHITECT ABOUT ENCOUNTERING ANY UNDERGROUND UTILITIES OR STRUCTURES NOT PREVIOUSLY IDENTIFIED OR FIELD LOCATED.
7. ALL SHRUB PLANTING BEDS TO RECEIVE 2" LAYER OF CLEAN, WASHED PEA GRAVEL MULCH ON PERMEABLE WEED BARRIER.
8. ALL PERMANENT LAWN AREAS ARE TO RECEIVE 6" OF TOPSOIL AND THE FOLLOWING LAWN SEED MIX:
85% KENTUCKY BLUEGRASS AT 2.5 LBS PER 1,000 S.F.
20% PERENNIAL RYEGRASS AT 1.0 LBS PER 1,000 S.F.
15% FINE FESCUE AT 0.6 LBS PER 1,000 S.F.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF EROSION AND SEDIMENTATION DURING CONSTRUCTION. SILT FENCE SHALL BE INSTALLED AND MAINTAINED AS NEEDED.
2. SOIL DISTURBANCES SHALL BE STABILIZED IMMEDIATELY. DISTURBED SOIL THAT WILL REMAIN LONGER THAN 14 DAYS SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS. SOIL SHALL BE STABILIZED WITH NORTHERN GRASS SEED MIXTURE OR APPROPRIATE SEED MIXTURE FOR CONDITIONS. GRASS SEED SHALL BE INSTALLED PER MANUFACTURES SPECIFICATIONS. MULCH STRAW APPLIED AT A RATE OF 2 BALES / 1000 SQFT OR SEED MIXTURE TO PROTECT SITE UNTIL SEED GERMINATES. HYDRO-SEED MAY BE INSTALLED AS AN ALTERNATE.
3. CONTRACTOR SHALL INSPECT THE SITE DAILY FOR SIGNS OF EROSION. IF ANY EROSION OR SEDIMENTATION OCCUR CONTRACTOR SHALL IMMEDIATELY PROVIDE PROPER CONTROLS TO STABILIZE THE SITE. ENGINEER WILL RECOMMEND CONTROLS IF REQUIRED.
4. SLOPE GREATER THAN 4 ON 1 SHALL BE STABILIZED WITH JUTE FABRIC INSTALLED AS PER MANUFACTURES SPECIFICATIONS AS REQUIRED.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN STALLED IN ACCORDANCE WITH NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENTATION CONTROLS.
6. INSTALL AND MAINTAIN TEMPORARY DIVERSION SWALES AS NEEDED TO CONTROL RUNOFF DURING CONSTRUCTION.
7. THE SITE SHALL BE COMPLETELY STABILIZED FOLLOWING CONSTRUCTION ACTIVITIES AND ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AND DISPOSED OF PROPERLY.
8. CONTRACTOR SHALL MAINTAIN ALL HAZARDOUS MATERIALS AND POSSIBLE CONTAMINANTS IN THERE ORIGINAL BOTTLE AND STORED APPROPRIATELY TO ELIMINATE THE POSSIBILITY OF SPILLS OR POLLUTION.
9. CONTRACTOR SHALL PROVIDE A SPILL CLEAN UP KIT ON-SITE AT ALL TIMES. SPILL KIT SHALL BE APPROPRIATE FOR THE MATERIALS ON-SITE.

PHOSPHOROUS NOTES:

1. NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND THE SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING PROPERLY.
2. IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL NYS DEC.

STANDARD NOTES (CONTINUED)

17. ALL SITE STABILIZATION IS TO BE IN ACCORDANCE WITH THE LATEST VERSIONS OF THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND THE NYSDEC GENERAL PERMIT REQUIREMENTS (WHERE APPLICABLE).
18. ADDITIONAL TEMPORARY AND PERMANENT SEEDING AND SITE STABILIZATION REQUIREMENTS:

A. ALL DISTURBED AREAS INCLUDING TOPSOIL STOCKPILES AND STORMWATER MANAGEMENT FACILITIES ARE TO BE STABILIZED WITHIN SEVEN (7) DAYS AFTER COMPLETION.

B. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:
 - THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENEED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER.
 - FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET).
 - NO PHOSPHORUS SHALL BE USED UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY HORTICULTURAL TESTING LAB AND THE SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING PROPERLY.
 - IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHORUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL NYSDEC REGULATIONS.
 - THE FOLLOWING SEED MIX SHALL BE USED:

SEEDING RATE: 8.0 POUNDS PER 1,000 SQUARE FEET		
ANNUAL RYE GRASS	30	0.7
PERENNIAL RYEGRASS	30	0.7
LATE FALL/EARLY WINTER		
CEREAL RYE	100	2.5

 - SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.

C. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:

SEEDING RATE: 8.0 POUNDS PER 1,000 SQUARE FEET		
BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER	8 OR 8	0.20 OR 0.20
TALL FESCUE	20	0.45
REDTOP OR RYEGRASS (PERENNIAL)	2 OR 5	0.05 OR 0.10

 - MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYDRO SEEDING METHOD AT TWO TONS PER ACRE WITH TACKIFIER.
 - FOR FALL OR EARLY WINTER, SEED WITH CERTIFIED "AROSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE.
 - PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE JUTE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.

19. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
20. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE DIG SAFELY NEW YORK (UPFO) HOTLINE AT 1-800-962-7962 FOR STAKEOUT OF EXISTING UTILITIES. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET THE EXISTING CONDITIONS.

STORM SEWER NOTES

1. CATCH BASIN AND MANHOLE DIAMETERS SHALL BE AS FOLLOWS:

LARGEST PIPE SIZE IN STRUCTURE UP TO 24" 27" TO 42" LARGER THAN 42"	INSIDE DIAMETER OF STRUCTURE 4' 5' SPECIAL STRUCTURE
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2. STORM SEWER PIPING TO BE CORRUGATED SMOOTH BORE POLYETHYLENE PIPE IN ACCORDANCE WITH N.Y.S.D.O.T. ITEM 18903.97 AND AASHTO–M252 & M294.
3. LINING MATERIALS AND SPECIAL BACKFILL TO BE R.O.B. OR R.O.C. MATERIAL (N.Y.S.D.O.T. SECTION 304–2.02 TYPE 4), MEETING THE FOLLOWING GRADATIONS:

SIEVE SIZE	% PASSING BY WEIGHT
2"	100
1/4"	30–50
#40	5–40
#200	0–10

4. GRANULAR FILTER MATERIAL TO BE N.Y.S.D.O.T. SECTION 605–2.02 TYPE 1, MEETING THE FOLLOWING GRADATIONS:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
1/2"	30–100
1/4"	0–30
#10	0–10
#20	0–5

5. RIP–RAP SHALL BE UNIFORMLY HARD, DURABLE, AND ANGULAR FIELD OR QUARRED LIMESTONE WITH A MINIMUM DENSITY OF 150 LB/CF. THE RATIO OF THE MINIMUM DIMENSION TO THE MAXIMUM DIMENSION OF EACH PIECE TO BE AT LEAST 0.6. RIP–RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF PRIMARILY LARGER STONE SIZES WITH A SUFFICIENT MIXTURE OF SMALLER SIZES TO FILL THE VOIDS. UNLESS OTHERWISE NOTED IN THESE PLANS, SUPPLEMENTAL SPECIFICATIONS, OR UNLESS OTHERWISE DIRECTED, RIP–RAP SIZES SHALL BE AS FOLLOWS:


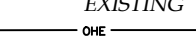




























MAX. DIMENSION OF STONE	% OF MIX BY WEIGHT
18"–24"	20
12"–18"	50
8"–12"	20
4"–8"	10

SEPTIC TANK NOTES:


1. A NEW 1250 GAL 2 COMPARTMENT CONCRETE AS MANUFACTURED BY KISTNER OR EQUAL SHALL BE INSTALLED ON MIN 12" OF COMPACTED CLEAN SAND OR PEA GRAVEL OR 12" WASHED AGGREGATE 3/4" TO 1-1/2" IN DIAMETER. TANK SHALL BE INSTALLED PER MANUFACTURES RECOMMENDATIONS.
2. PROVIDE 1/8" EFFLUENT FILTER AT OUTLET OF TANK.
3. PROVIDE RISER ON TANK IF TANK IS BURIED AT A DEPTH MORE THAN 18".
4. MAINTENANCE: SEPTIC TANK SHALL BE INSPECTED ANNUALLY TO DETERMINE SCUM AND SOLIDS ACCUMULATION. MOST TANKS SHOULD BE PUMPED OUT EVERY 3–4 YEARS. SEPTIC TANKS MUST BE PUMPED OUT WHENEVER THE BOTTOM OF THE SCUM LAYER IS WITHIN 3" OF THE BOTTOM OF THE OUTLET BAFFLE OR THE TOP OF THE SLUDGE IS WITHIN 10" OF THE BOTTOM OF THE OUTLET BAFFLE.

STANDARD NOTES (CONTINUED)

21. THE HOMEOWNER WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING INDIVIDUAL LOT EROSION & SEDIMENT CONTROL MEASURES DURING HOUSE CONSTRUCTION. MEASURES TO BE MAINTAINED UNTIL FINAL LOT LAWN GRADING AND SITE IS FULLY STABILIZED AND INSPECTED BY THE TOWN OF CANANDAIGUA.
22. ANY ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE TOWN OF CANANDAIGUA OR A REPRESENTATIVE THEREOF SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
23. SEDIMENT CONTROL MEASURES ARE TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF CANANDAIGUA.
24. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPLACING AND SUBSEQUENTLY REMOVING TEMPORARY EROSION & SEDIMENT CONTROL DEVICES.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ADJOINING PROPERTIES, ROADWAYS, DRAINAGE WAYS AND SINKS OF SILT ACCUMULATION AS NEEDED AND AS DETERMINED/REQUESTED BY THE TOWN OF CANANDAIGUA.
26. ANY FINAL GRADE DEVIATIONS OF HOUSE PAD ELEVATIONS MORE THAN 12 INCHES SHALL BE APPROVED BY THE PLANNING BOARD.


LEGEND	
 Iron pin or pipe found	 EXISTING <i>elec</i>
 Benchmark	 PROPOSED <i>E/T</i>
 Utility pole	 Utility Lines R.O.W. line
 Hydrant	 Property line
 Light pole	 Easement line
 PERC TEST	 Centerline
 DEEP HOLE	 Drainage
 CO-CLEAN OUT	 Fence Line
 EX-EXISTING	 Contour Line
 OPP-CORRUGATED POLYETHYLENE PIPE	 MIN-MINIMUM
 O.C.-ON CENTER	 MAX-MAXIMUM
 SMPP-SMOOTH INTERIOR CORRUGATED	 INV-INVERT
 POLYETHYLENE PIPE	 CB-CATCH BASIN
 UG-UNDERGROUND	 MH-MANHOLE
CONC-CONCRETE	 DI-DRAINAGE INLET
R-RADIUS	 BS-BOTTOM OF STAIRS
BC-BOTTOM OF CURB	
TC-TOP OF CURB	
TW-TOP OF WALL	
BW-BOTTOM OF WALL	
BS-BOTTOM OF STAIRS	

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STATE OF NEW YORK
BRENNAN A. MARKS
093182
LICENSED PROFESSIONAL ENGINEER
STAMP

FELIX TAO - OPTOMETRY
NEW MEDICAL OFFICE BUILDING
SHOWING LAND IN:
1947 STATE ROUTE 332
TOWN OF CANANDAIGUA
COUNTY OF ONTARIO

STATE OF NEW YORK

DRAWING TITLE:
GENERAL NOTES

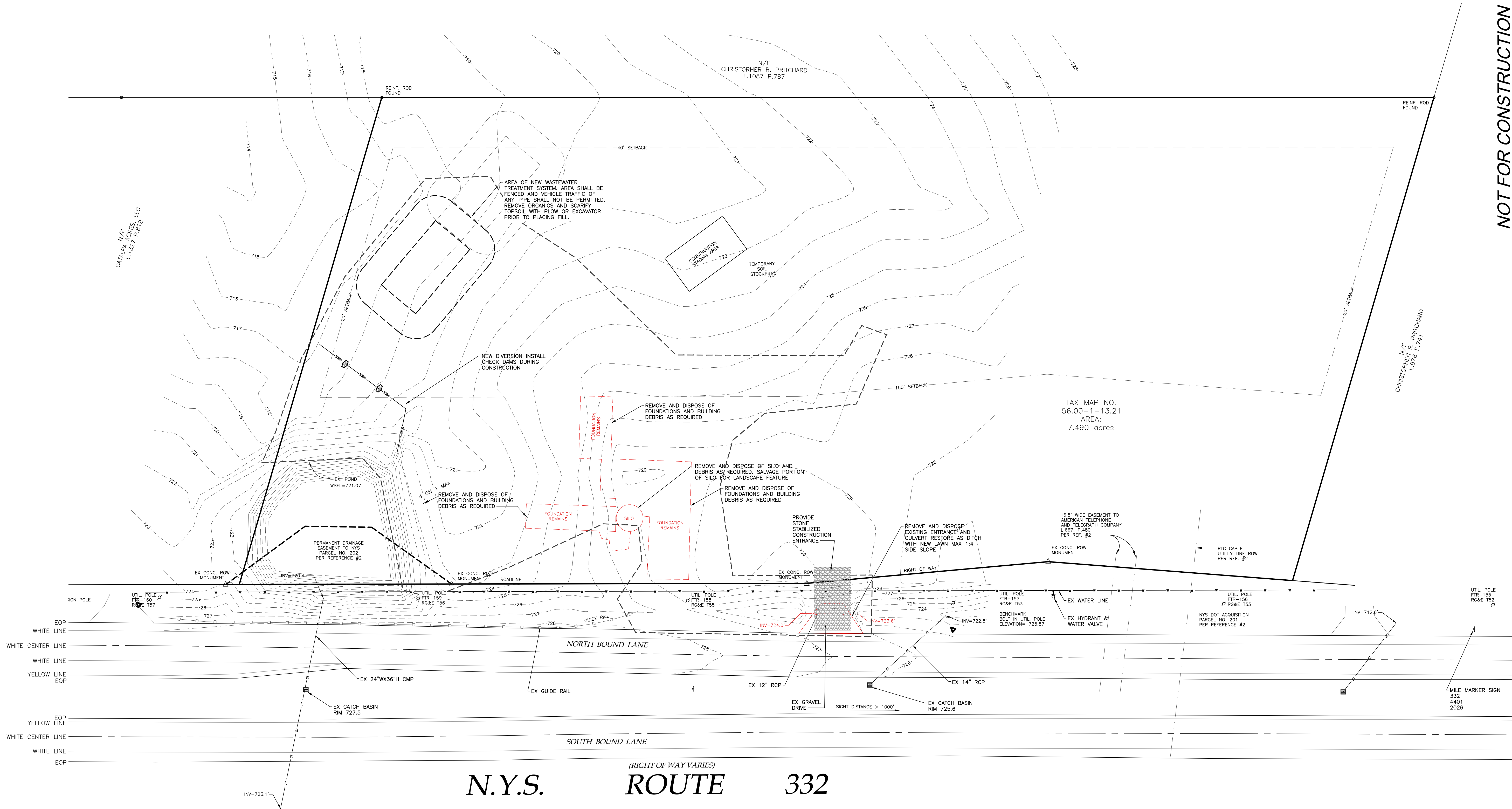
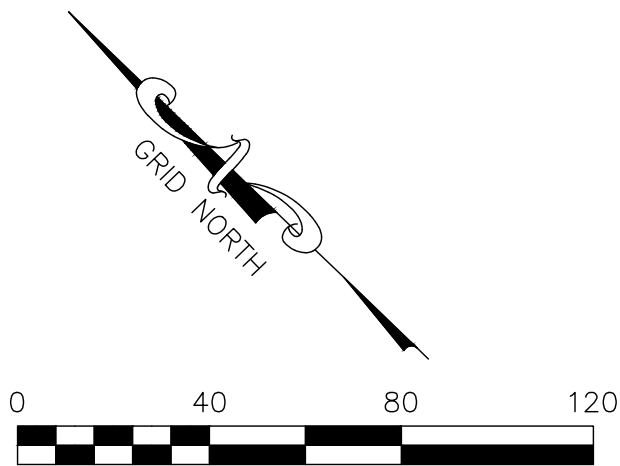
DRAWN BY:	BPH
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	1"=40'
JOB NO.:	20-026
DATE:	03/13/2020
TAX MAP#:	56.00-1-1321

G001

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- CONSTRUCTION SEQUENCE:
1. INSTALL TEMPORARY EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO: SILT FENCE, STABILIZED ENTRANCES, ETC.
 2. THE CONTRACTOR SHALL SELECTIVELY REMOVE VEGETATION AND ROOTS AS REQUIRED.
 3. PLACE SILT FENCE FOR STOCKPILE AREA
 4. STRIP TOPSOIL THEN STABILIZED PILE W/ TEMPORARY SEEDING AND MULCH
 5. ROUGH GRADE THE SITE
 6. INSTALL STONE SUBBASE FOR BUILDING PADS AND DRIVEWAYS
 7. CONSTRUCT BUILDING AND INSTALL UTILITIES
 8. MAINTAIN EROSION CONTROL PRACTICES AS NECESSARY. IF ADDITIONAL MEASURE ARE REQUIRED THESE SHALL BE PROVIDED AT THE EXPENSE OF THE OWNER OR CONTRACTOR.
 9. IN THE EVENT THERE IS A SEDIMENT DISCHARGE OR FAILURE THE CONTRACTOR OR OWNER SHALL BE RESPONSIBLE FOR RESTORATION.
 10. FINAL GRADE SITE AND ESTABLISH FINISH DIVERSION SWALES
 11. FINAL GRADE STORMWATER SWALES AND POND.
 12. SEED AND MULCH ALL DISTURBED AREAS AS SOON AS POSSIBLE.
 13. REMOVE TEMPORARY EROSION CONTROLS AFTER AREAS ARE STABILIZED WITH VEGETATION, STONE OR ASPHALT.

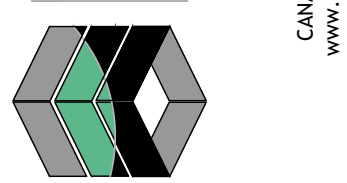
- REFERENCES & NOTES
1. FILED MAP: 15442
 2. DEED: L.1058 P.71
 3. VERTICAL DATUM: NAVD 88 GEOID 12B
 4. HORIZONTAL DATUM: NAD83 NEW YORK CENTRAL
 5. N.Y.S. DOT ACQUISITION MAPS, CANANDAIGUA-VICTOR ROAD, S.H. NO. 484, MAP NO.156, PARCELS 201 & 202
 6. TOPOGRAPHIC SURVEY COMPLETED BY MARKS ENGINEERING, P.C. ON 02/12/2020



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MarksEngineering

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Phone: 585-905-0360
Fax: 585-485-4205
www.marksengineering.com bmarks@marksengineering.com



NO.	DATE	REVISIONS	DESCRIPTION OF REVISION	BY
1	3/19/20	TOWN OF CANANDAIGUA	PRC COMMENTS	KRB

NO.	DATE	REVISIONS	DESCRIPTION OF REVISION	BY
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STATE OF NEW YORK

COUNTY OF ONTARIO

DRAWN BY:	BPH
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	1"=40'
JOB NO.:	20-026
DATE:	03/13/2020
TAX MAP#:	56.00-1-13.21

EX100

1 EXISTING CONDITIONS, EROSION AND SEDIMENT CONTROL PLAN
1"=40'

WASTEWATER TREATMENT BASIS OF DESIGN:

NYS DEC DESIGN STANDARDS FOR INTERMEDIATE SIZE WASTEWATER TREATMENT SYSTEMS (2014)

TABLE B-2 - SEPARATION DISTANCE
TABLE B-3 - DOCTORS OFFICE

ALL MINIMUMS MET
250 GPD/PER DOCTOR
MAX DOCTORS - 2
MAX DESIGN FLOW (Q) = 500 GPD

CHAPTER "D" - STANDARD "RESIDENTIAL" STRENGTH WASTEWATER FORM BATHROOMS ONLY. NO FLOOR DRAINS OR OTHER HAZARDOUS WASTE INCLUDED IN THE SANITARY SYSTEM

TABLE D-2 - SEPTIC TANK(MINIMUM)

1.5*Q = 1.5*500GPD = 750 GALLONS
USE 1250 GALLON TANK
THROUGH BUILDING PLUMBING VENT.
NONE REQUIRED (ALLOWS FOR VENTING)

CHAPTER "E" - RAISED SYSTEM SECTION E.13 WITH SAND FILL MATERIAL WITH 16-20 MINUTE PERCOLATION RATE.

TABLE E-1 - APPLICATION RATE

0.2 GAL/SF/DAY
(Q)/0.2 GAL/SF/DAY=
2500 SF BASAL AREA REQUIRED
357 LF OF LEACH REQUIRED.

PROVIDED 360 LINEAR FEET OF LEACH FOR TREATMENT AND DISPERSAL

SOILS ANALYSIS DATA:

SOIL ANALYSIS DATA WAS COLLECTED IN THE WINTER DURING WET WEATHER. SITE SOILS ARE CLAY. THE SOIL APPEARED TO BE POORLY DRAINED. BEDROCK WAS NOT OBSERVED

DEEP HOLE & PERC TEST DATA GATHERED BY BMARKS DATED 3/12/2020

DEEP HOLE #1
HORIZON A 0"-6" TOPSOIL
HORIZON B 6"-48" RED CLAY

PERC TEST #1 AT 12" DEPTH STABILIZED AT 50 MINS
PERC TEST #2 AT 12" DEPTH STABILIZED AT 54 MINS

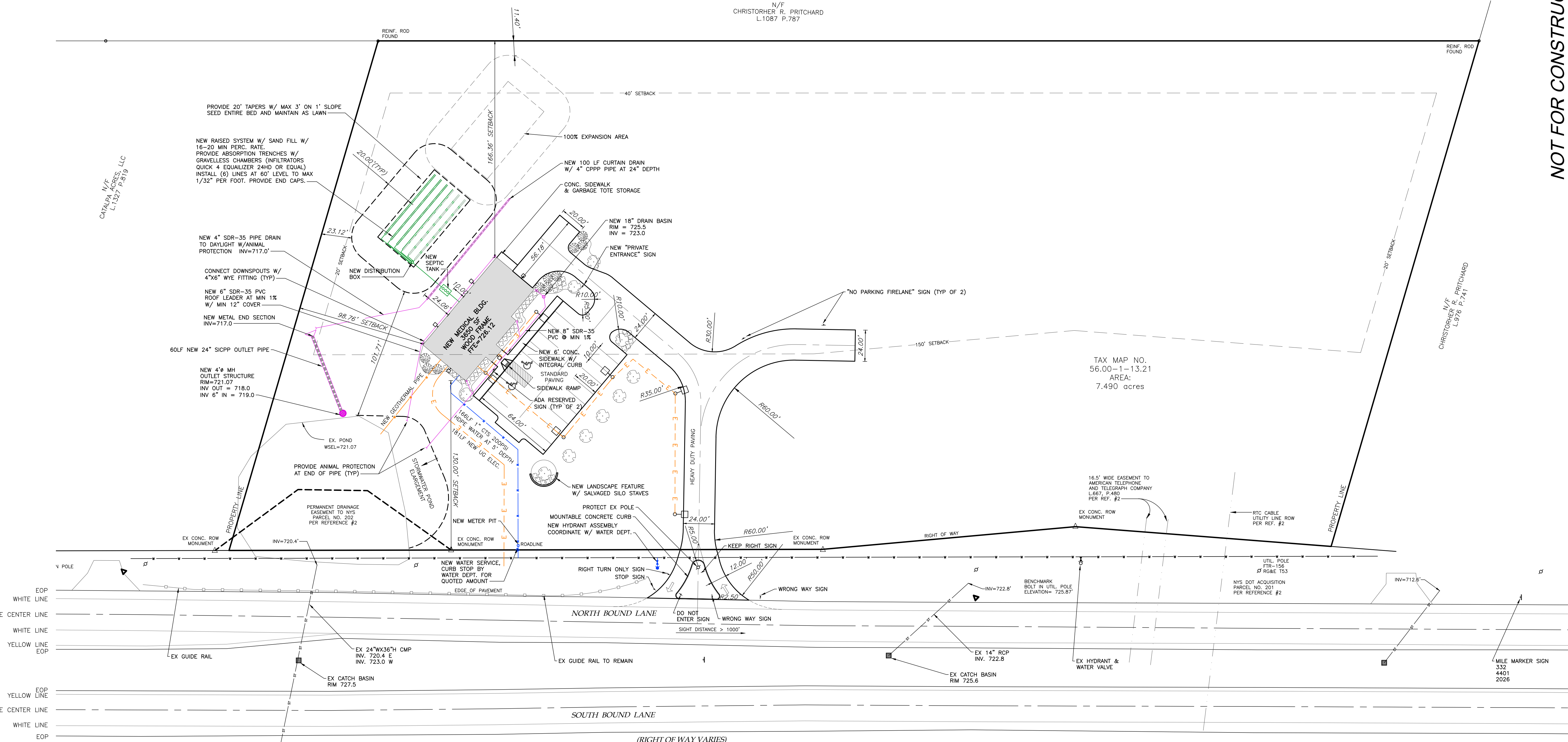
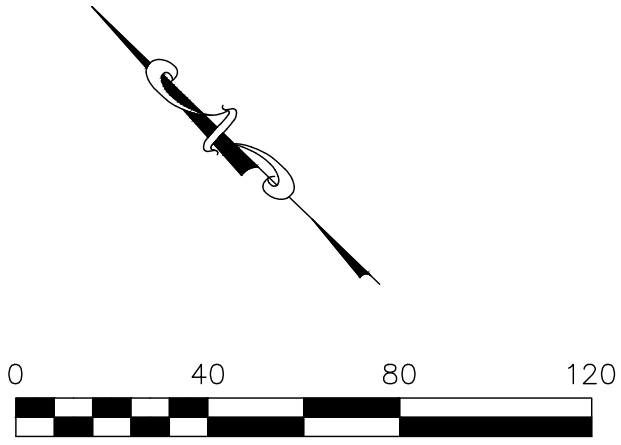
USE 50 MINUTE PERCOLATION RATE

HIGH SEASONAL GROUND WATER OBSERVED AT 12" DEPTH

PIPE INVERTS & ELEVATION TABLE

SOIL PIPE @ FOUNDATION = 723.0'
SEPTIC TANK INLET = 722.78'
SEPTIC TANK OUTLET = 722.48'
D-BOX INLET = 722.2'
D-BOX OUTLET = 722.0'
INLET TO LEACH LINES = 722.0'
BOTTOM OF CHAMBERS = 721.5'
FINISHED GRADE AT TOP OF CHAMBER = 723.0'
BOTTOM OF SAND = 718.5'
TOP OF SAND = 722.5'

BULK TABLE		
	PROPOSED	REQUIRED
ZONING/USE - PRINCIPAL	OFFICE BUILDING	COMMUNITY COMMERCIAL
ZONING/USE - ACCESSORY	N/A	N/A
FRONT SETBACK	130' (20' VARIANCE)	150'
SIDE SETBACK	98.76'	20'
REAR SETBACK	166.36'	40'
BUILDING HEIGHT	30'	35'
MAX. BUILDING COVERAGE	<5%	35%



N.Y.S. ROUTE 332

1 SITE LAYOUT AND UTILITY PLAN
1"=40'

PLANNING BOARD CHAIRMAN DATE

TOWN ENGINEER DATE

WATER SUPERINTENDENT DATE

NYS HEALTH DEPT. APPROVAL -
ONSITE WASTEWATER TREATMENT SYSTEMS

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FELIX TAO - OPTOMETRY

NEW MEDICAL OFFICE BUILDING

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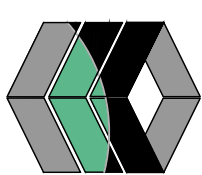
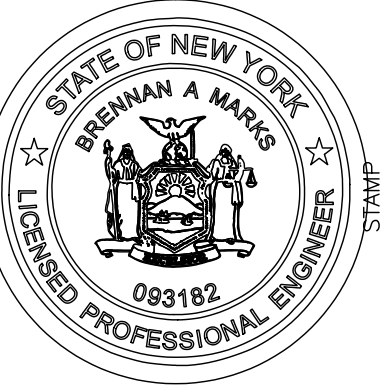
1947 STATE ROUTE 332

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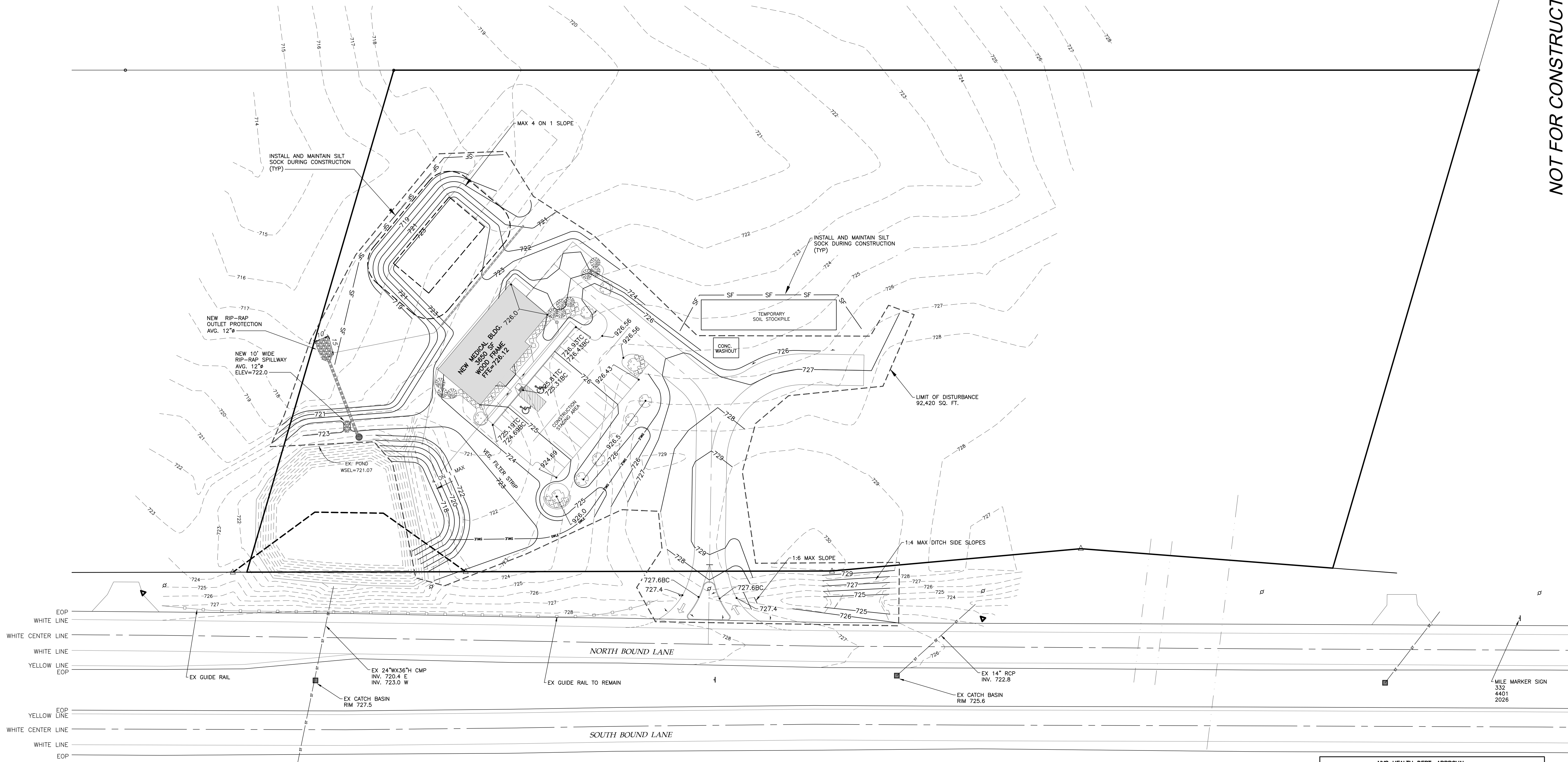
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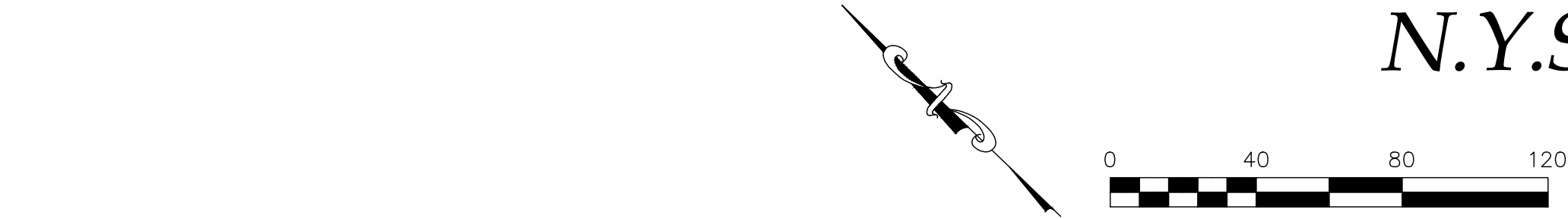
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EOP
WHITE LINE
WHITE CENTER LINE
WHITE LINE
YELLOW LINE
EOP

EOP
YELLOW LINE
WHITE CENTER LINE
WHITE LINE
EOP



N.Y.S.

(RIGHT OF WAY VARIES)

ROUTE 332

1 GRADING PLAN
1"=40'

PLANNING BOARD CHAIRMAN _____ DATE _____

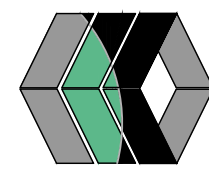
TOWN ENGINEER _____ DATE _____

WATER SUPERINTENDENT _____ DATE _____

NYS HEALTH DEPT. APPROVAL -
ONSITE WASTEWATER TREATMENT SYSTEMS

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FELIX TAO - OPTOMETRY

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COUNTY OF ONTARIO

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GRADING PLAN	
DRAWN BY:	BPH
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	1"=40'
JOB NO.:	20-026
DATE:	03/13/2020
TAX MAP #:	56.00-1-13.21


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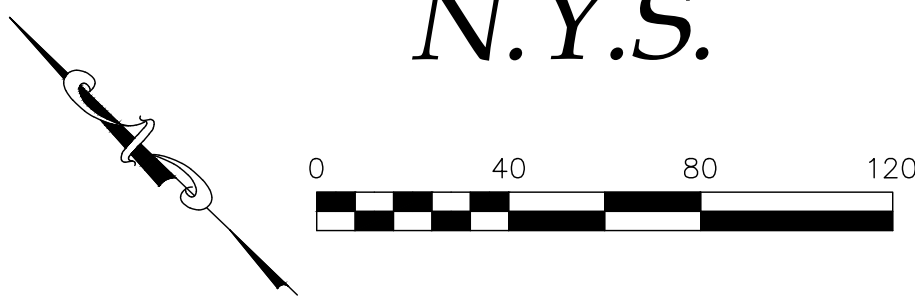
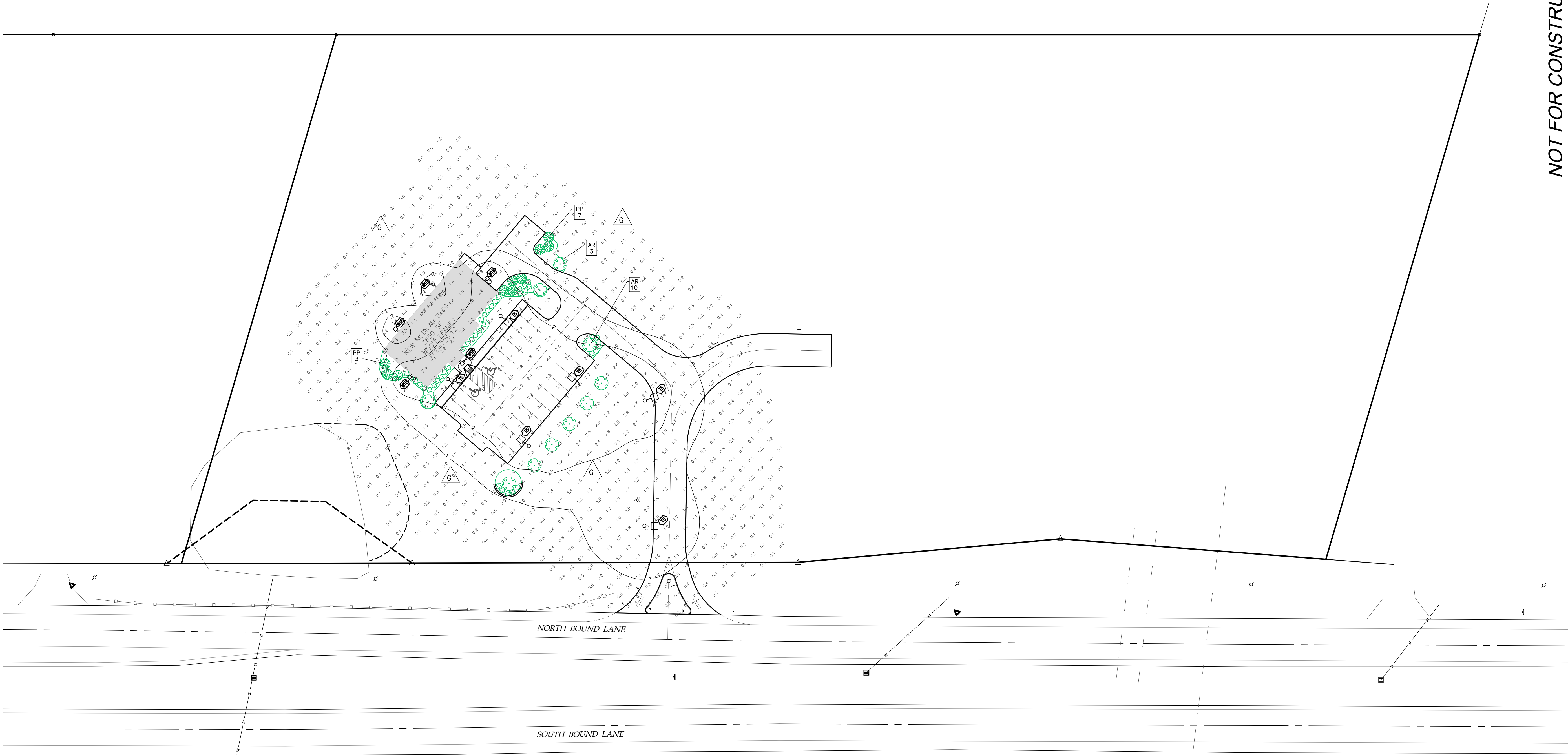
LUMINAIRE SCHEDULE										
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	VOLTS	NOTE 1	NOTE 2	QUANTITY
NOT FOR PRODUCTION USE		(2) 143W 3000K LED	PREVAL AREA AND SIDEWALK LUMINAIRE(2) TO OR 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH	ELECTRONIC	POLE	EATON - LUMARK (FORMER COOPER LIGHTING), PWT-A40-D-UVV-15-B2-7030 MOUNTED AT 17' ABOVE GRADE.	120V 1P 2W			6
W18		(1) 12W EATON LED 4000K	CROSSWALK 12W WALL MOUNT LED	ELECTRONIC	WALL	EATON - LUMARK, STOR18-W	120V 1P 2W	ELECTRONIC DRIVER		5

KEY	COMMON NAME	BOTANICAL NAME	SIZE	SPACING
PP	DWARF BLUE SPRUCE	PICEA PUNGENS 'MONTGOMERY'	2.5" CAL.	8-10'
AR	ARMSTRONG MAPLE	ACER FREEMANII	2.5" CAL	PLAN
JE	RUSH	JUNCUS EFFUSUS	2 GAL	2-3'

 GRASS SEED MIXTURE: 100% TALL FESCUE GRASS SEED MIXTURE AT THE RATE OF 1/2 LB./1000 SF; COVER ALL RESEED DISTURBED AREAS WITH STRAW MULCH AT 1000LBS/ACRE OR HYDORSEED WITH TACKAFIER;

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL BE TOPSOILED (4"), FINE GRADED, SEEDED AND MULCHED.
- IMPROVED TOPSOIL FOR PLANTING BEDS AND PITS SHALL BE A MIXTURE OF TOPSOIL, PEAT MOSS AND FERTILIZER AT THE FOLLOWING RATIO: 1 CUBIC YARD TOPSOIL, 6 CUBIC FEET ORGANIC SUPPLEMENT (ALL-GRO), 5 LBS. SLOW-RELEASE ORGANIC FERTILIZER (5-10-5). AND 2 LBS VITERRA GELSCAPE; ADJUST pH TO 6.0-7.0.
- TREE & SHRUB PLANTING - ADD ADDITIONAL 1 OZ. VITERRA GELSCAPE PER 1" OF CALIPER (OR, 1 OZ. PER FOOT OF BALL DIAM.) TO BACKFILL WHEN PLANTING.
- MAINTENANCE OF LANDSCAPING: ALL PLANT MATERIAL AND LAWNS AREAS WILL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE AND THEN PERMANENTLY MAINTAINED BY THE OWNER.
- SEE PLAN FOR GENERAL LOCATIONS OF TREES AND SHRUB PLACEMENT AND ORNAMENTAL FLOWERS AND GRASS SHALL BE PLACED AS INFILL.

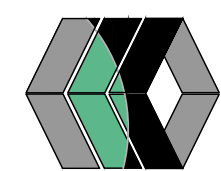


1 LANDSCAPING & LIGHTING PLAN
1"=40'

PLANNING BOARD CHAIRMAN _____ DATE _____
TOWN ENGINEER _____ DATE _____
WATER SUPERINTENDENT _____ DATE _____

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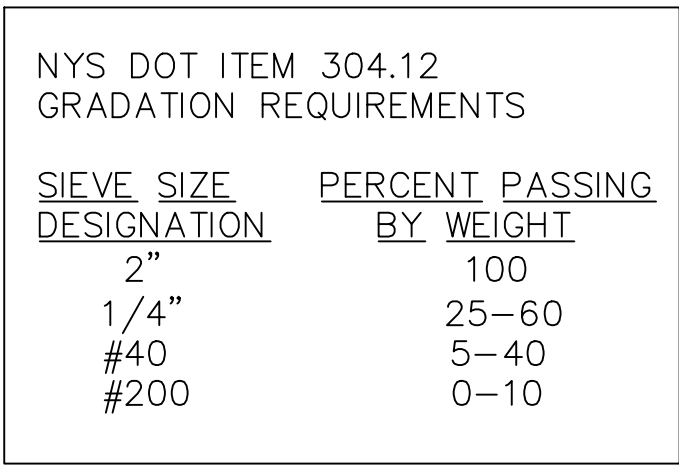
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1	2" ASPHALT MILLINGS OR STONE #1 MINUS
2	9" OF COMPACTED SUBBASE COURSE, TYPE 2-NYSDOT ITEM #304.12 COMPACT TO 95% MODIFIED PROCTOR.

- 3 WELL-DRAINED SUB-GRADE (SUB-GRADE TO 95% MODIFIED PROCTOR MIN. COMPACTION).
- 4 12" OF COMPACTED SUBBASE COURSE, TYPE 2-NYS DOT ITEM #304.12. COMPACT TO 95% MODIFIED PROCTOR
- 5 MIRAFI 500X GEOTEXTILE OR APPROVED EQUAL

NOTE: PROVIDE CONTROL JOINTS IN SIDEWALK @ 5'-0" O.C. AND EXPANSION JOINTS @ 20'-0" O.C.
BROOM FINISH WALKS AND SLOPE TO WASH @ 1/4" PER FOOT AWAY FROM BUILDING.

The image contains two technical drawings of a stormwater infiltration system, labeled 'PROFILE' and 'PLAN VIEW'.

PROFILE View: This side-view cross-section shows the vertical structure of the system. From top to bottom, it consists of:


- A top layer of 'EXISTING PAVEMENT' with a 'MOUNTABLE BERM (OPTIONAL)' on its outer edge.
- A sloped layer with a 3:1 ratio, 6 inches thick.
- A horizontal layer of 'FILTER CLOTH'.
- A bottom layer of 'PROFILE' (likely aggregate or another filter material).

 The total width of the system is indicated as 50 feet minimum.

PLAN View: This top-down view shows the horizontal layout of the system. It features a rectangular area with a width of 50 feet minimum and a length of 12 feet minimum. The system is bordered by 'EXISTING PAVEMENT' on three sides. The dimensions for the system's footprint are:

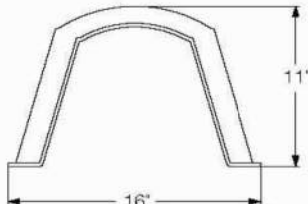
- Overall width: 50' MIN.
- Overall length: 12' MIN.
- Distance from the left edge to the right edge of the system: 42' MIN.
- Distance from the top edge to the bottom edge of the system: 10' MIN.

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. 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.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. 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.
7. 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.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

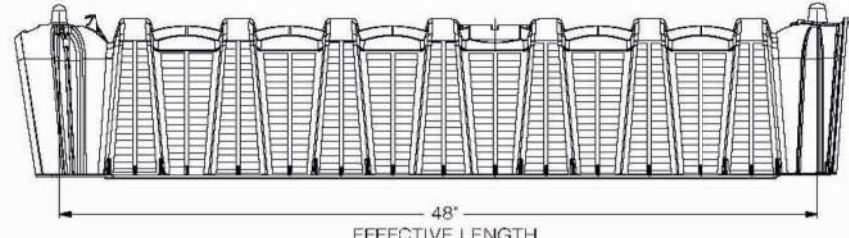


QUICK4 EQUALIZER 24 HD

The Quick4® Equalizer® 24 HD Chamber

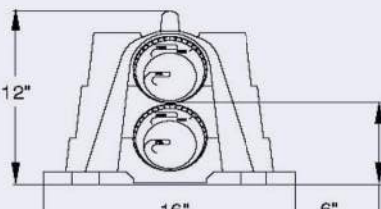


16" x 11"



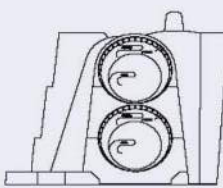
48" EFFECTIVE LENGTH

MultiPort End Cap

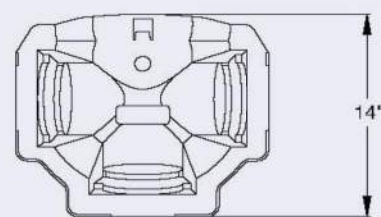


12" x 16" x 6"

FRONT VIEW



SIDE VIEW



14" x 14"

TOP VIEW

Quick4 Equalizer 24 HD Chamber Specifications	
Size (W x L x H)..... 16" x 53" x 11" (41 cm x 135 cm x 28 cm)	Storage Capacity20.8 gal (79 L)
Effective Length.....48" (122 cm)	Invert Height.....6" (15 cm) 9" (23 cm) & 10" (25 cm) with invert adapter

NYS HEALTH DEPARTMENT APPROVED

Conventional stone and pipe system

- Labor-intensive, lengthy installation.
- Dump truck needed for stone delivery.
- Stone hauling adds expense and time, increases soil compaction in leachfield site.
- Stone in trench reduces infiltrative capacity of system.
- System lacks easy inspection and monitoring of leachfield without digging up the yard.
- Geotextile required on top of stone.
- Overall increased cost.

Equalizer 24 Chamber System

- Easy assembly and installation by two people.
- Only a backhoe and pickup truck are required.
- Lightweight chambers can be delivered in one pickup truck load and hand-carried into position.
- SideWinder sidewall provides over twice the effective sidewall infiltrative surface area in the same trench length.
- Inspection port is provided for easy access to leachfield with no site disruption.
- Solid-topped chambers need no geotextile.
- Overall reduced cost.

INFILTRATOR (CHAMBERS)

CODE P&F-SINF

CALL FOR PRICING

END CAPS

6.00

CODE P&F-SINF-C

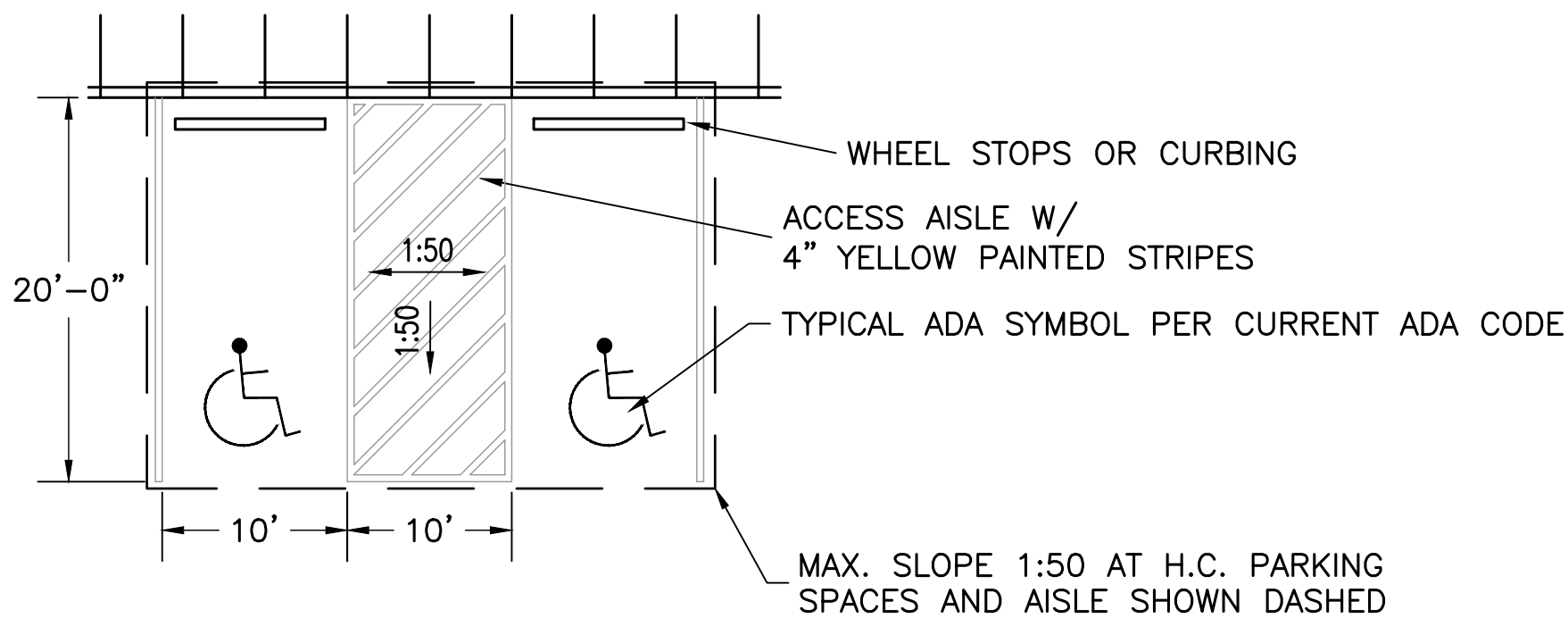
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PRICES & SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

41

REV: 9/19/13

01-Septic-general/pg 41, 2014 PRINTED IN U.S.A.



2"x4" WOOD FRAME

1.5' MAX.

3' MIN.

STAKE

FABRIC

BURIED FABRIC

DROP INLET WITH GRATE

FRAME

GATHER EXCESS AT CORNERS

1' MIN.

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. 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.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

The diagram illustrates a spill containment system. The left side shows a side view of a cross-section of the ground. A horizontal line represents the ground surface. On the left, a pile of rocks is labeled 'FILL'. To its right is a rectangular structure labeled 'BERM'. Further right is a rectangular area labeled 'WASH-OUT AREA'. To the right of this area is another rectangular structure labeled 'BERM'. To the right of this second berm is another pile of rocks labeled 'FILL'. Above the first berm, a box labeled 'CONCRETE WASH-OUT' has an arrow pointing to it labeled 'SIGN'. An arrow points from the 'WASH-OUT AREA' to the second berm, labeled '10 MIL. POLY LINER'. Below the ground line, the word 'SECTION' is centered. The right side of the diagram is a top-down view of the same area. It shows a large dashed circle labeled 'LINER'. Inside this circle is a smaller solid circle labeled 'FILL'. Inside the 'FILL' circle is a rounded rectangle labeled 'BERM'. Inside the 'BERM' is a smaller rounded rectangle labeled '1 CUBIC YARD WASH-OUT AREA'. Below this top-down view, the word 'PLAN' is centered.

SECTION

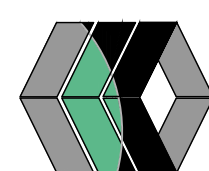
PLAN

NOTES:

- 1) INSPECT WASH-OUT DAILY.
- 2) REMOVE DEBRIS AFTER REACHING 50% CAPACITY

NOTES:

- 1) INSPECT WASH-OUT DAILY.
- 2) REMOVE DEBRIS AFTER REACHING 50% CAPACITY

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20	COUNTY OF ONTARIO	STATE OF NEW YORK	STAMP
21	COUNTY OF ONTARIO	STATE OF NEW YORK	STAMP

NOT FOR CONSTRUCTION

REVISIONS			
NO.	DATE	DESCRIPTION OF REVISION	BY
1	3/19/20	TOWN OF CANANDAGUA PRC COMMENTS	KRB

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STATE OF NEW YORK

COUNTY OF ONTARIO

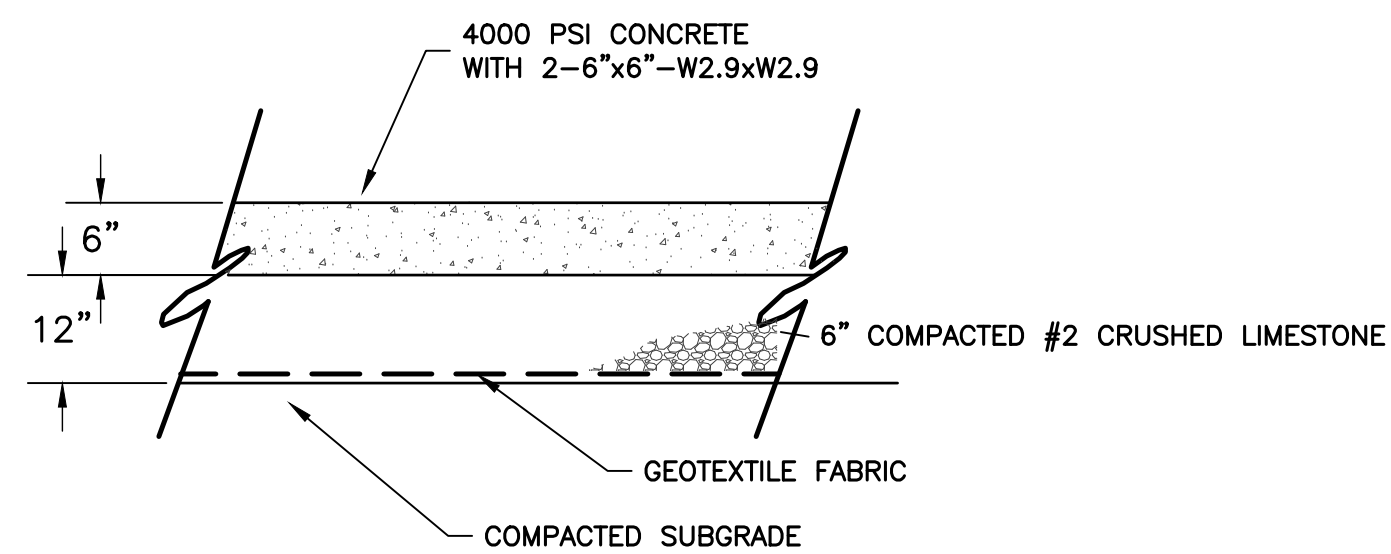
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DESIGNED BY:	BAM
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SCALE:	1"=40'
JOB NO.:	20-026
DATE:	03/13/2020
TAX MAP#:	56.00-1-13.21

C500

1. TRIM BRANCHES BY $\frac{1}{2}$ RETAINING NATURAL TREE SHAPE. NEVER CUT EVERGREEN LEADER.
2. BASE OF PLANT PIT SHALL BE SCARIFIED TO A DEPTH OF 12" MIN.

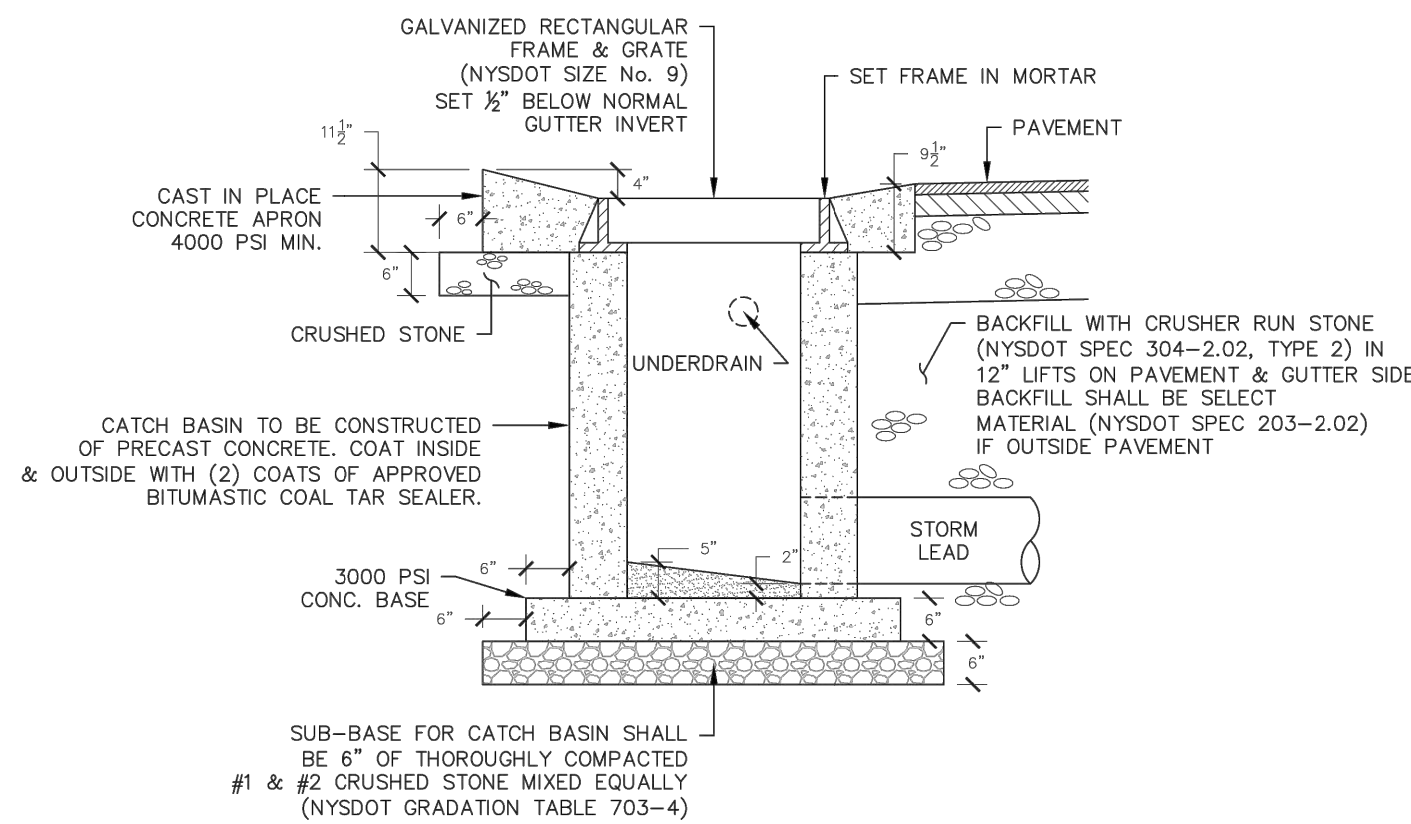


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2. BASE OF PLANT PIT SHALL BE SCARIFIED TO A DEPTH OF 12" MIN.

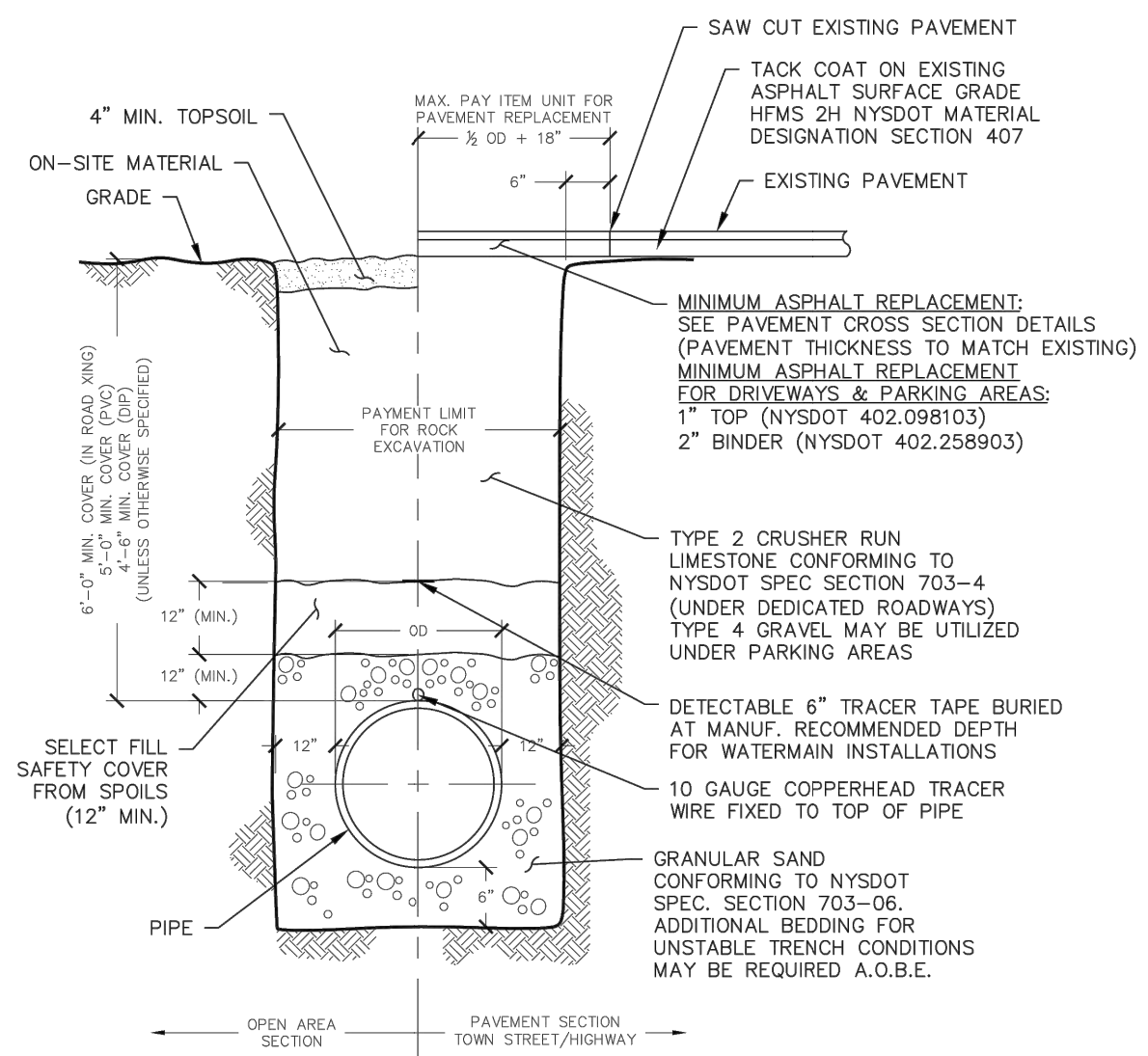


1 STANDARD CONCRETE PAVEMENT DETAIL

NTS

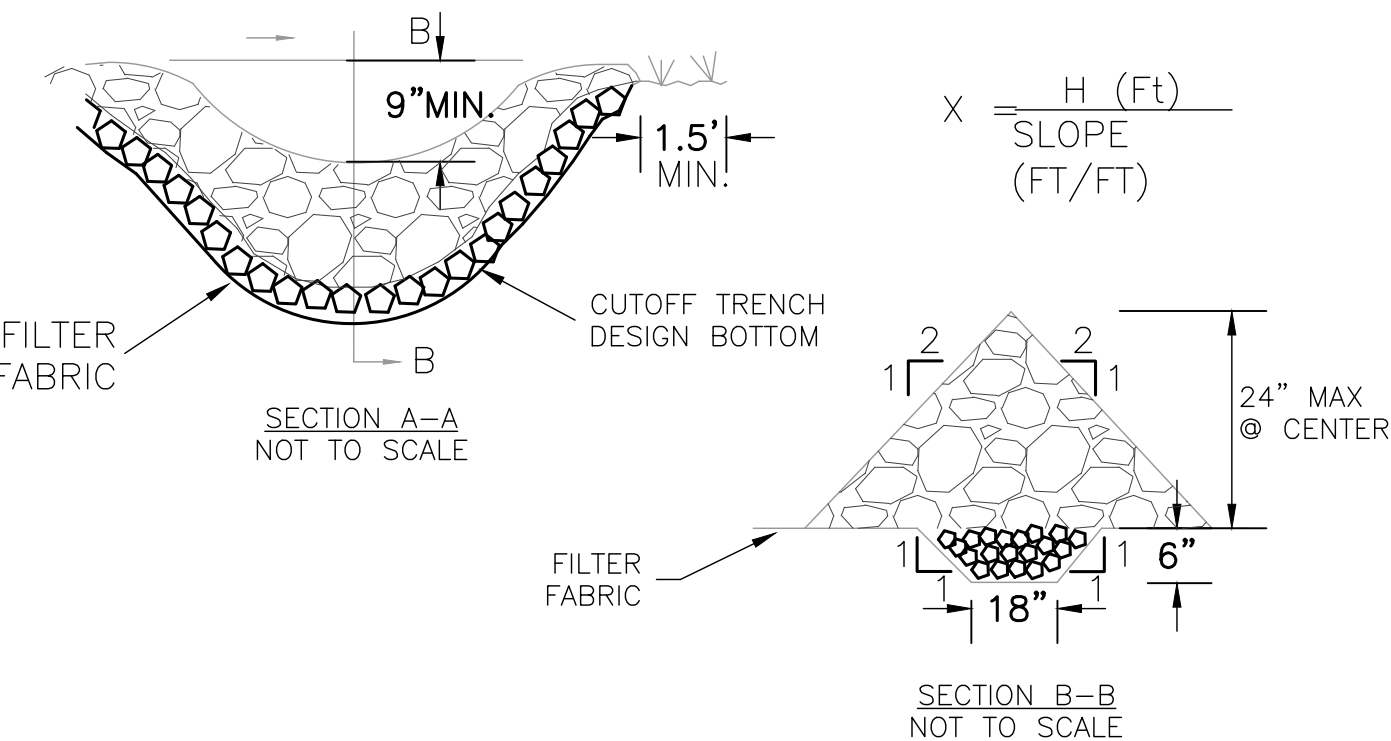
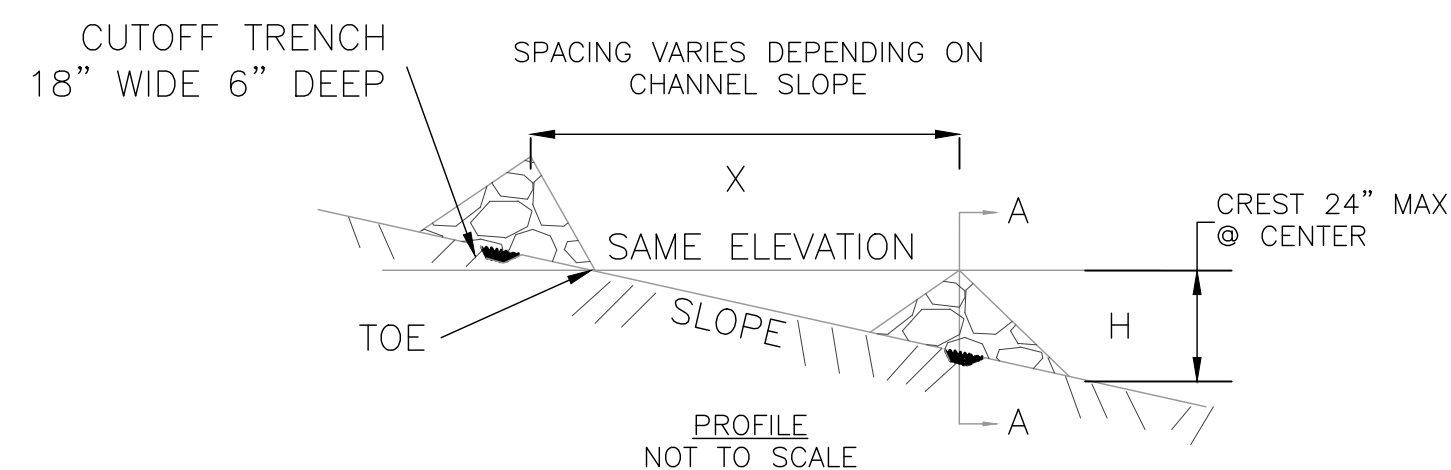
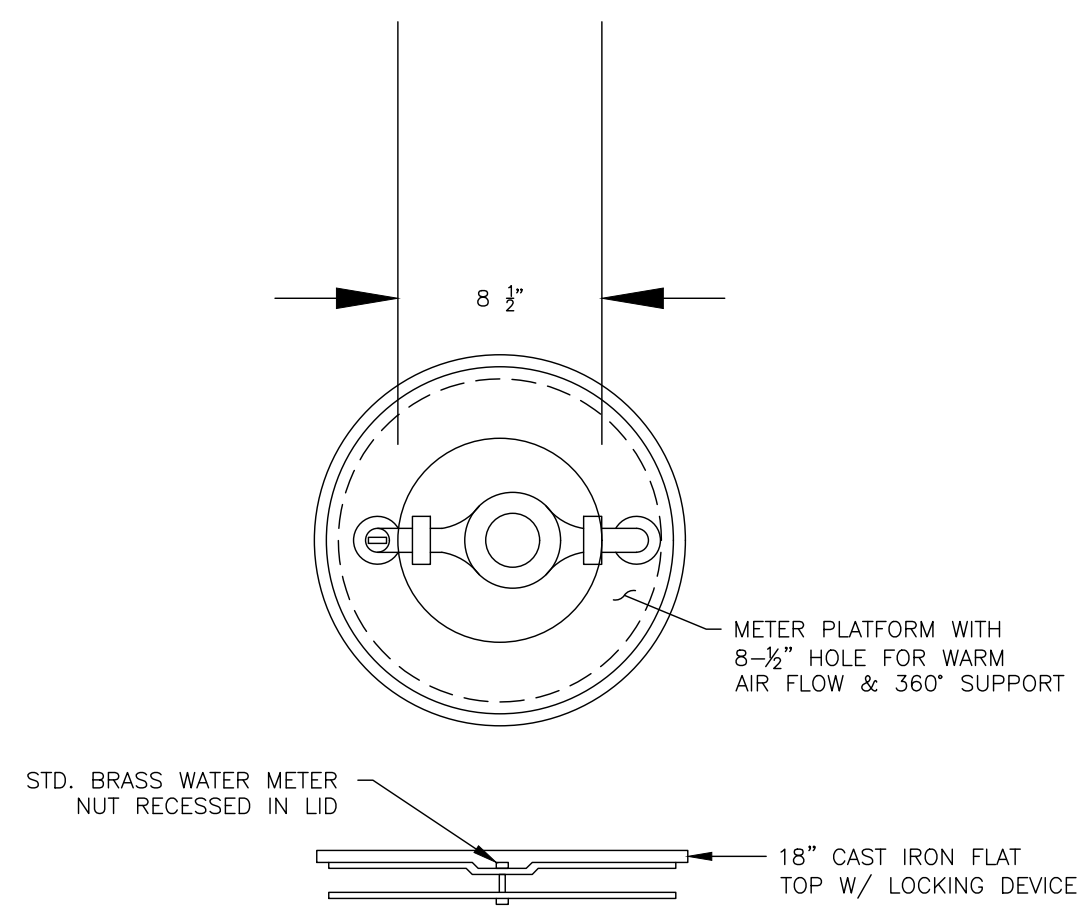


CATCH BASIN DETAIL



PIPE BEDDING/ TRENCH DETAIL

(OUTSIDE OF N.Y.S. HIGHWAYS)

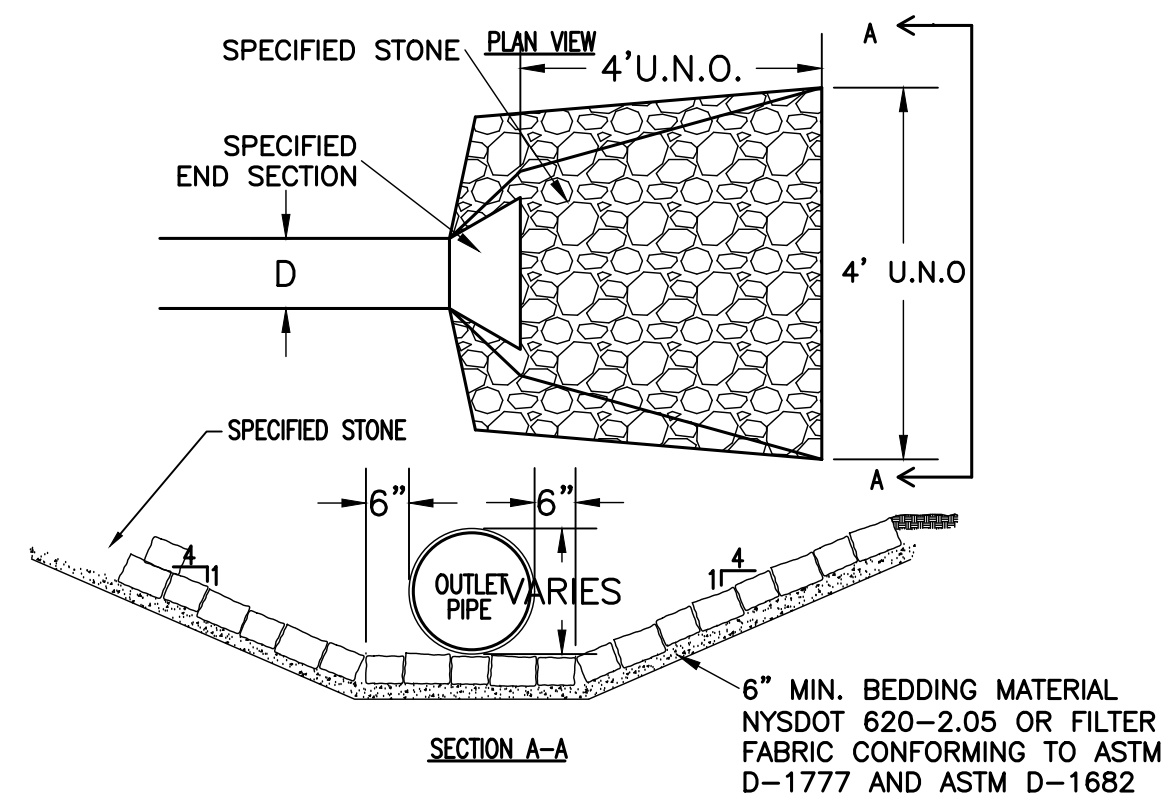


3 TYPICAL CHECK DAM DETAIL

NTS

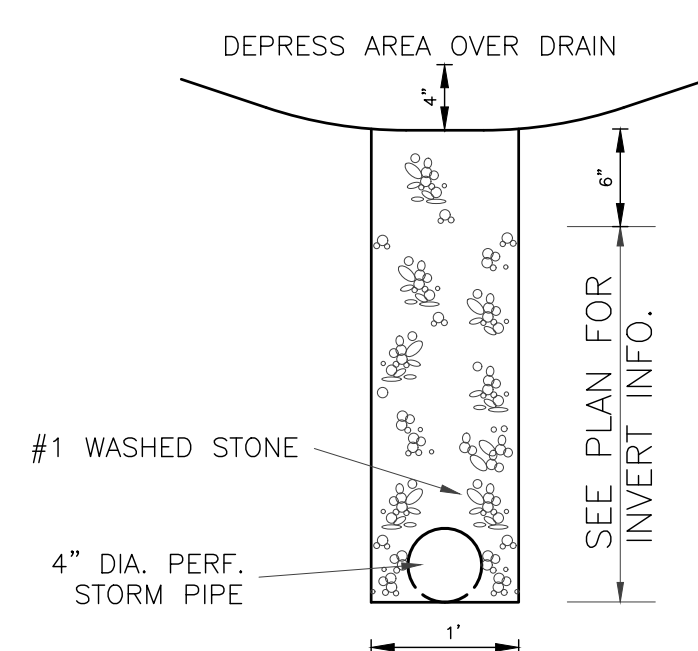
CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATIONS OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. LOCATE CHECK DAMS AT LEAST 10 FEET UPSTREAM OF ANY CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED ZONES.



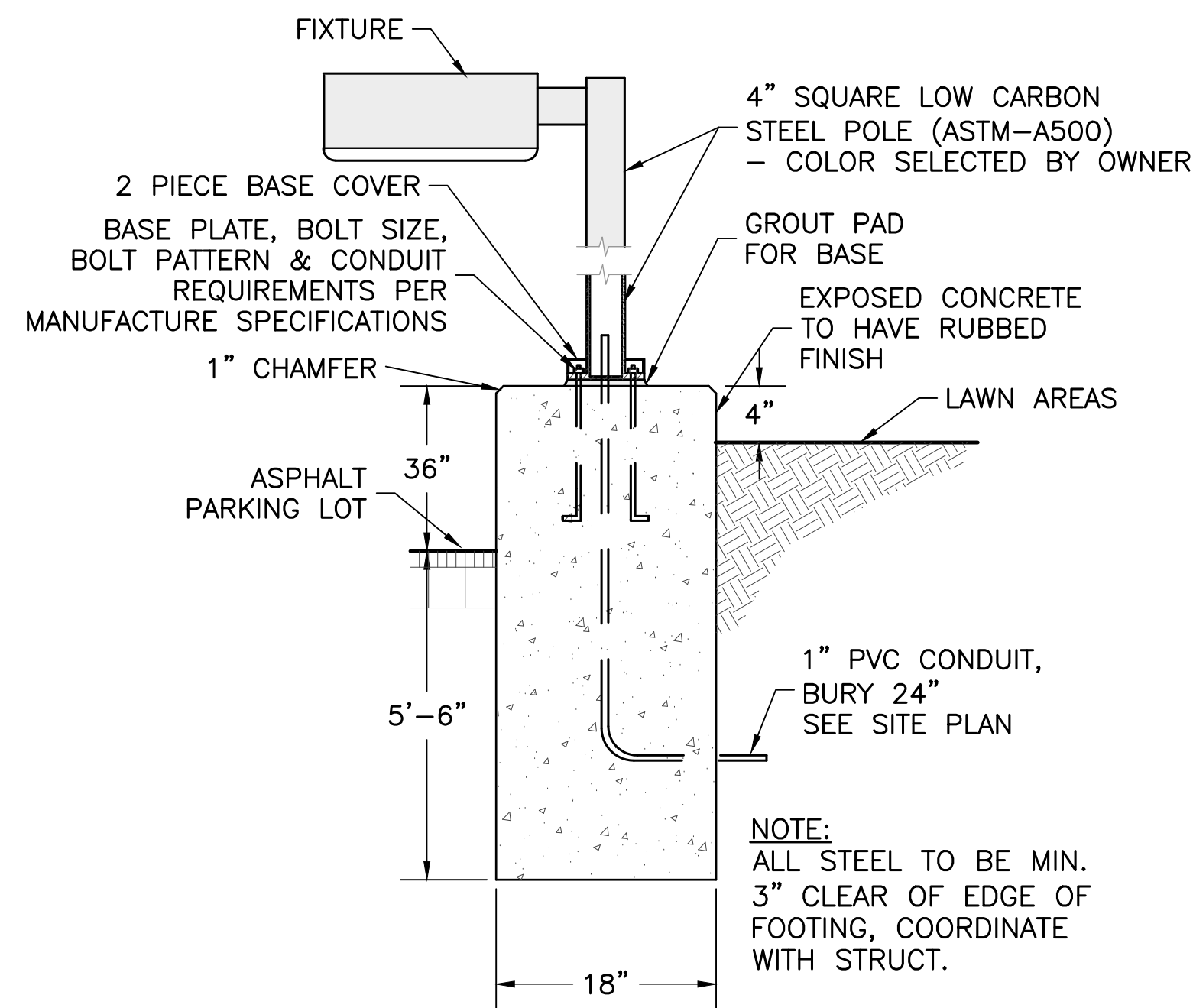
4 TYPICAL INLET/OUTLET PROTECTION

NTS



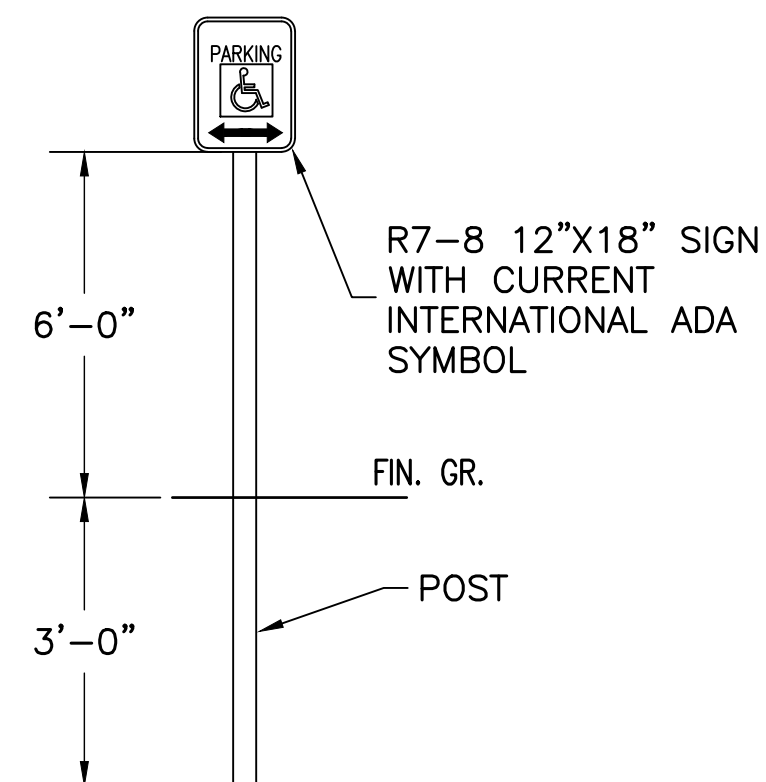
6 CURTAIN DRAIN DETAIL

NTS



5 PARKING LOT LIGHT FIXTURE BASE DETAIL

NTS



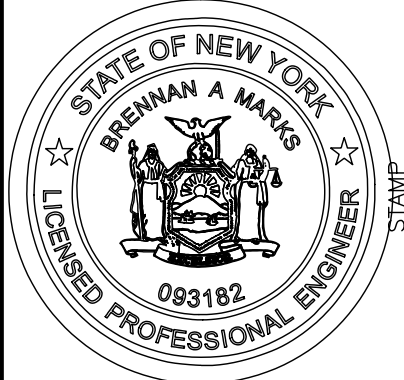
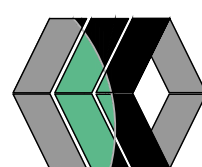
7 SIGN & POST DETAIL

NTS

2 WATER METER PIT DETAIL

NTS

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FELIX TAO - OPTOMETRY

NEW MEDICAL OFFICE BUILDING

SHOWING LAND IN:

1947 STATE ROUTE 332

STATE OF NEW YORK

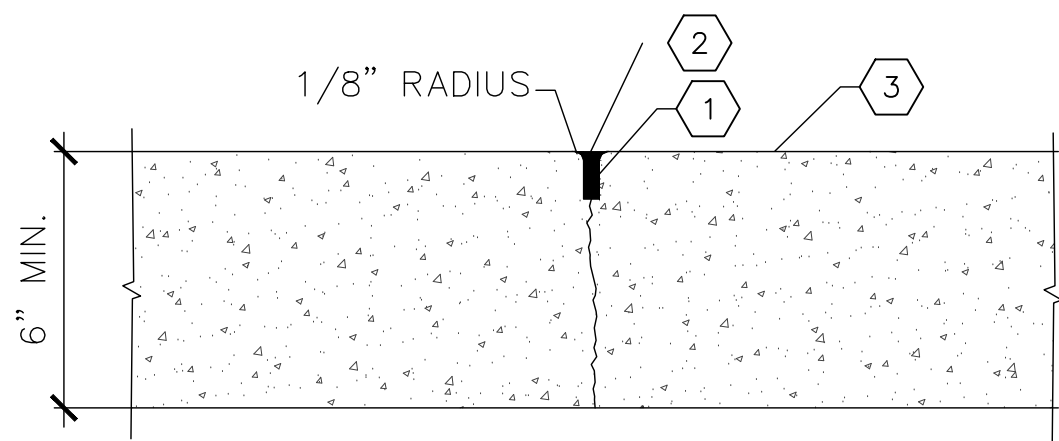
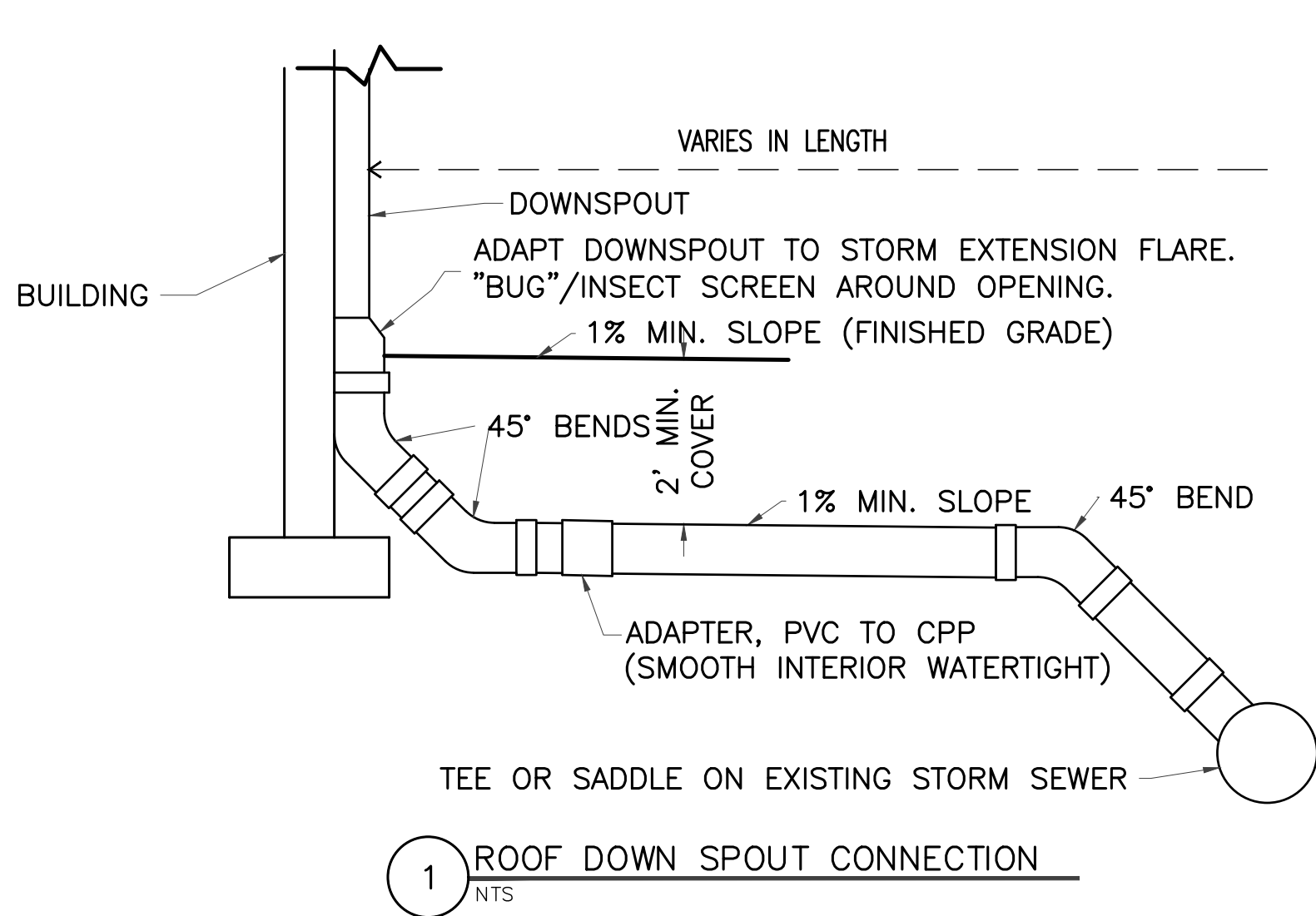
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C502

DATE	OFFICIAL	OFFICIAL	OFFICIAL
AS A RESULT OF HIS/HERS EDUCATION LAW SECTION 7209 FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL. IF A DOCUMENT BEARING THE SEAL OF A DOCUMENT BEARING THE SEAL OF SUCH ALTERNATION, AND A SPECIFIC RESOLUTION OF THE ALTERNATION			

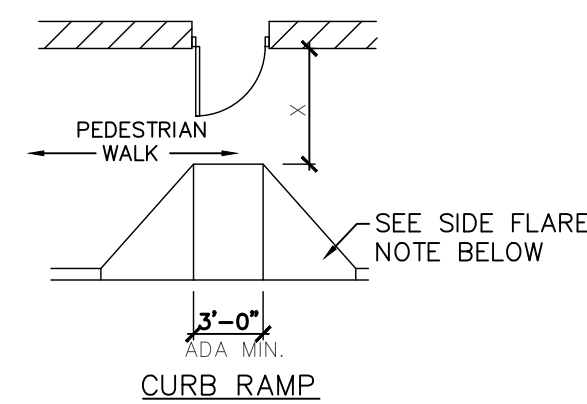


KEYED NOTES

- 1 1/4" WIDE, 1-1/2 INCH DEEP GROOVE CREATED BY:
(1) TEMPORARY EMBEDMENT OF SUITABLE MANDREL
(2) INSTALLATION OF A THIN STRIP OF PREMOLDED JOINT FILLER MATERIAL (3) SAWING THE PAVEMENT AFTER THE CONCRETE HAS HARDENED.
- 2 JOINT SEALER
- 3 FOR CONTRACTION JOINT SPACING, REFER TO DETAIL 6, THIS SHEET

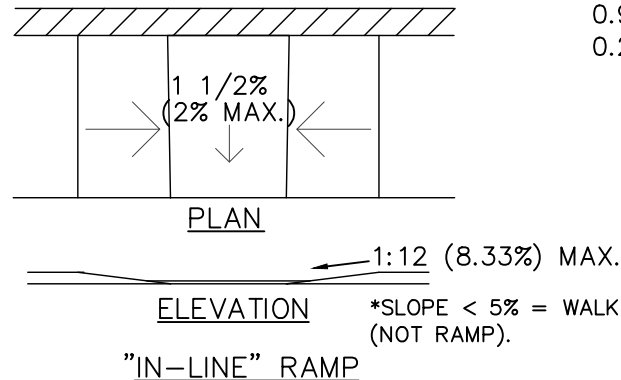
ADJOINING SLOPE SHALL NOT EXCEED 1:20
SLOPE = Y:X
WHERE X IS A LEVEL PLANE

MEASUREMENT OF CURB RAMP SLOPE



"X" IS 60" MIN. AT AN OUT SWING DOOR WITH A SLOPE OF 1:50 (2%) MAXIMUM. LEVEL SURFACE IS PREFERRED.

SIDE FLARE NOTE: (SEE REFERENCE DIAGRAM ABOVE). SIDE FLARES SHALL HAVE A MAXIMUM SLOPE OF 1:10 (10%). WHERE "X" IS LESS THAN 48", SIDE FLARE SLOPE SHALL BE 1:12 (8.33%) MAXIMUM. WHERE "X" IS LESS THAN 36", WALGREENS PREFERS THE "IN-LINE" RAMP SHOWN BELOW.



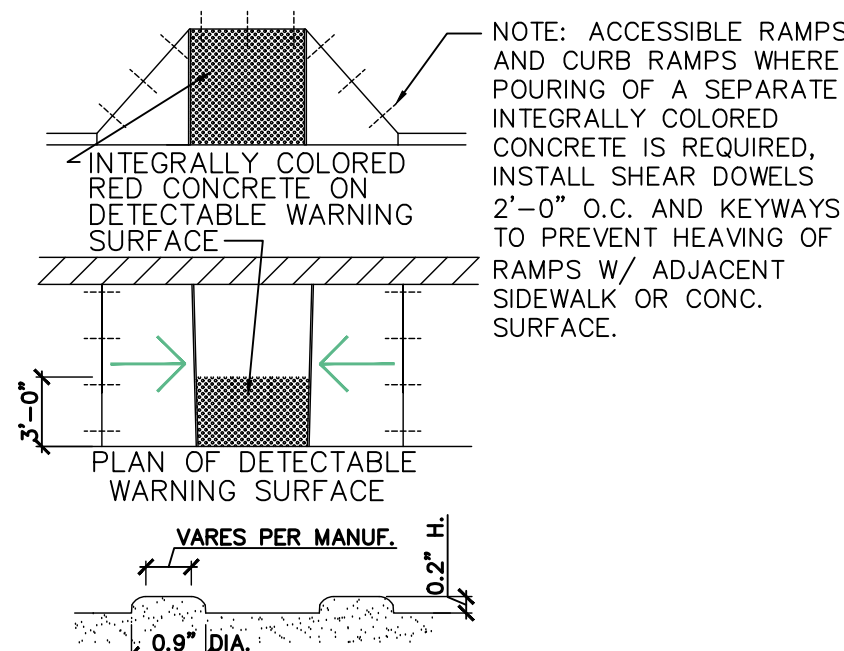
NOTES: A CURB RAMP(S) MUST BE PROVIDED ALONG AN ACCESSIBLE PATH FROM THE PARKING LOT TO WALGREENS CURBED SIDEWALK.

A CURB RAMP(S) MUST ALSO BE PROVIDED IN THE PARKING LOT AT ALL INTERMEDIATE AND PERIMETER CURBS ALONG THE ACCESSIBLE ROUTE CONNECTING TO PUBLIC SIDEWALKS.

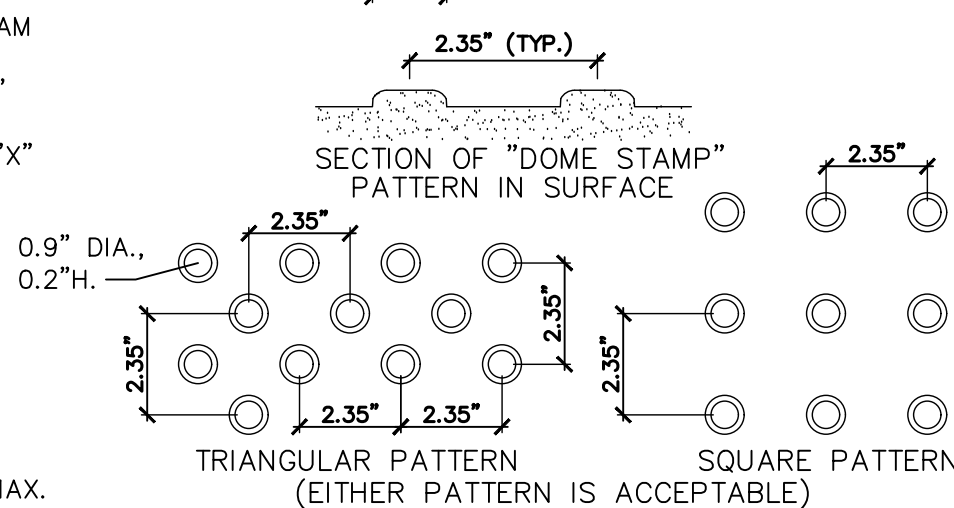
A RAMP IS ANY SLOPE GREATER THAN 1:20 (5%) AND SHALL HAVE A MAXIMUM SLOPE OF 1:12 (8.33%). THE MAXIMUM SLOPE IS 1" OF RISE PER FOOT OF DISTANCE TRAVELED. ALL DETECTABLE WARNING AREAS OF THE RAMP ARE TO HAVE AN INTEGRAL RED COLOR.

THE CLEAR WIDTH OF ANY RAMP IS A MINIMUM OF 36".

CURB RAMP(S) HAVE A MAXIMUM RISE OF 6" AND DO NOT REQUIRE HANDRAILS. ANY RAMP WITH GREATER THAN A 6" RISE SHALL HAVE HANDRAILS ON BOTH SIDES AND CURBED EDGE PROTECTION ON BOTH SIDES. EDGE PROTECTION CONSISTS OF CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. HANDRAIL DETAILS SHALL FOLLOW ACCESSIBLE GUIDELINES.



NOTE: ACCESSIBLE RAMPS AND CURB RAMPS WHERE POURING OF A SEPARATE INTEGRALLY COLORED CONCRETE IS REQUIRED, INSTALL SHEAR DOWELS 2'-0" O.C. AND KEYWAYS TO PREVENT HEAVING OF RAMPS W/ ADJACENT SIDEWALK OR CONC. SURFACE.

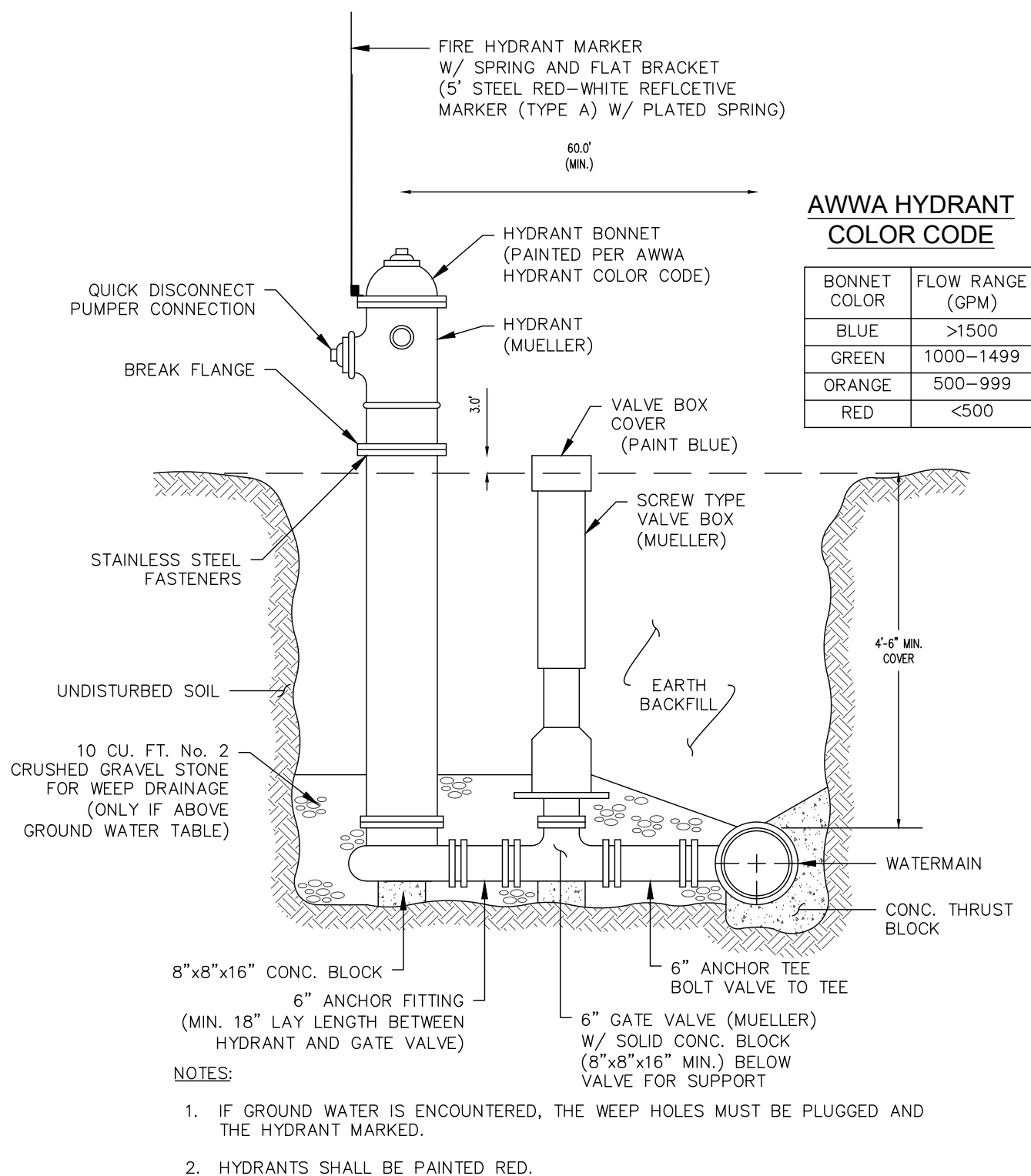


PLAN OF "DOME STAMP" PATTERN IN SURFACE

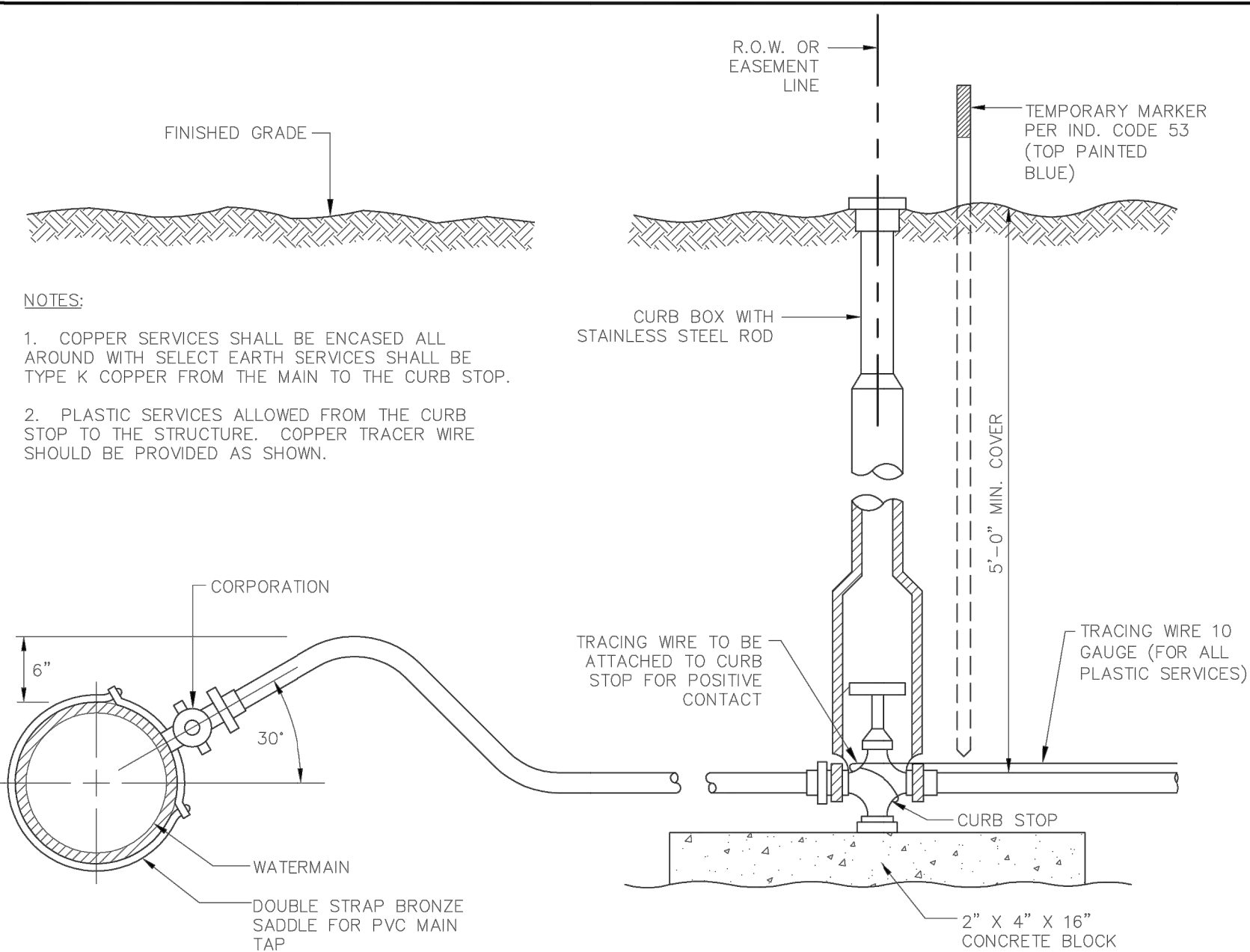
CURB RAMPS MUST HAVE A DETECTABLE WARNING FEATURE EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP (MID-WALK "IN-LINE" RAMPS ONLY NEED DETECTABLE WARNINGS AT WALK/PARKING TRANSITION). THE DETECTABLE SURFACE MUST CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES. THE TEXTURE OF THE DETECTABLE WARNING FEATURE MUST CONTRAST WITH THE SURROUNDING SURFACES (EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT). SEE ABOVE.

ACCEPTABLE PAVER MANUFACTURERS:
-HANOVER ARCHITECTURAL PRODUCTS, DETECTABLE WARNING PAVERS, www.hanoverpavers.com/html/detectable.html
-TekWay™ - DETECTABLE WARNING SYSTEM www.tekway.com/html/detectable.html
-stronggo.com/ourproducts.html
-NuWay, CAST IN TACT, DETECTABLE WARNING PAVERS www.nuwayinc.com/CAST_IN_TACT_1.pdf

LOCAL JURISDICTION
THERE ARE LOCAL JURISDICTIONS THAT SPECIFICALLY REQUIRE DETECTABLE WARNINGS ON THE SIDE FLARES OR TOP OF RAMP (CA.). THERE ARE LOCAL JURISDICTIONS THAT HAVE REDEFINED DETECTIBLE WARNINGS (e.g. EXPOSED CONTRASTING COLOR AGGREGATE, GROOVES IN A PARALLEL OR DIAMOND PATTERN ETC.). ACCESSIBILITY GUIDELINES DEFINED BY LOCAL ORDINANCE SHOULD SUPERSEDE WHEN MORE STRINGENT THAN ADAAG. IN THE ABSENCE OF A DEFINITION, FOLLOW ADAAG.



HYDRANT UNIT



TYPICAL WATER SERVICE

(N.T.S.)

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FELIX TAO - OPTOMETRY

NEW MEDICAL OFFICE BUILDING

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TOWN OF CANANDAIGUA

COUNTY OF ONTARIO

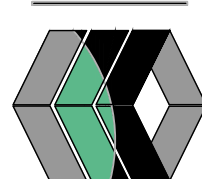
STATE OF NEW YORK

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bmarks@marksengineering.com

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