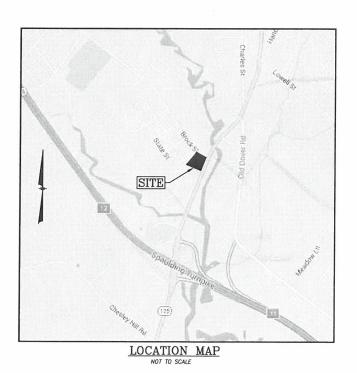
# SITE DEVELOPMENT PLANS PROPOSED RETAIL MOTOR **FUEL OUTLET**

**TAX MAP 131 LOT 7** 717 COLUMBUS AVENUE ROCHESTER, NEW HAMPSHIRE 03867 **Prepared for:** 

# TROPIC STAR DEVELOPMENT, LLC

321D LAFAYETTE ROAD HAMPTON, NH 03842





# **INDEX TO DRAWINGS**

- TITLE SHEET
- **EXISTING CONDITIONS PLAN**
- **SOIL PLAN**
- SITE PLAN
- **GRADING & DRAINAGE PLAN**
- **UTILITIES PLAN**
- **EROSION & SEDIMENT CONTROL PLAN**
- LANDSCAPE PLAN
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- 1 OF 1. TRUCK TURN PLAN 1 OF 1. SIGN & GRAPHICS PLAN
- 1 OF 1. LIGHTING PLAN (RL-6553-S1)
- 1 OF 1. BUILDING ELEVATIONS
- 1 OF 1. CANOPY ELEVATIONS



# **NEW HAMPSHIRE FISH AND GAME AOT PERMIT CONDITIONS RELATED** TO THREATENED AND ENDANGERED

NO.	DESCRIPTION	BY	DATE
1	REVISE SHEETS 2-7, 9-12, 16	PWM	6/8/20
2	ADD SHEET 2A & REVISE SHEETS 2-7, 9, TT	PWM	11/5/20
3	REVISE SHEETS 4, 6	FCM	2/24/21
4	REVISE SHEET 3	FCM	3/29/21
5	REVISE SHEETS 4, 6. ADD NHFG CONDITIONS	FCM	4/8/21

### TITLE SHEET



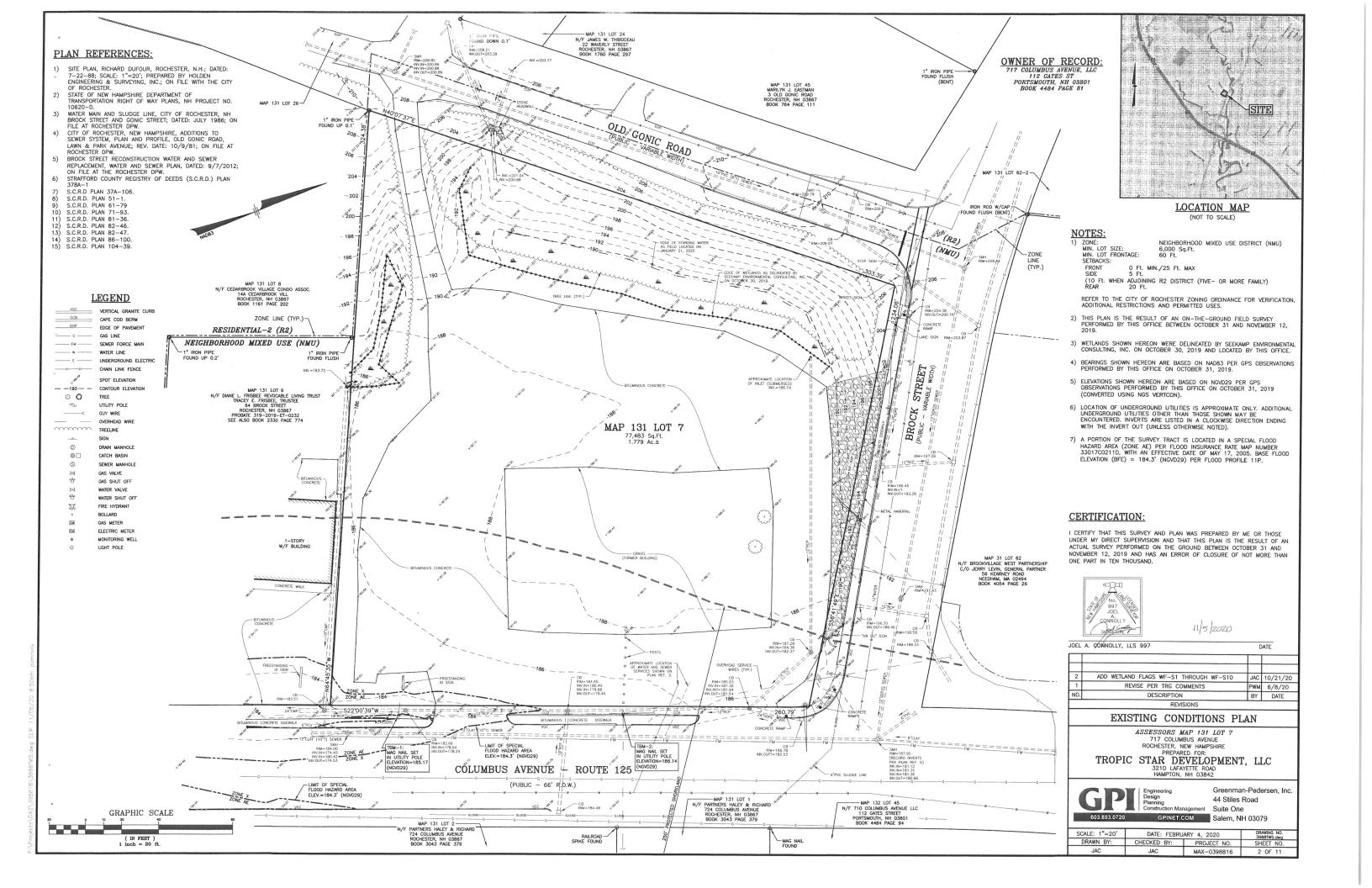
MAP 131 LOT 7 717 COLUMBUS AVENUE ROCHESTER, NEW HAMPSHIRE TROPIC STAR DEVELOPMENT, LLC

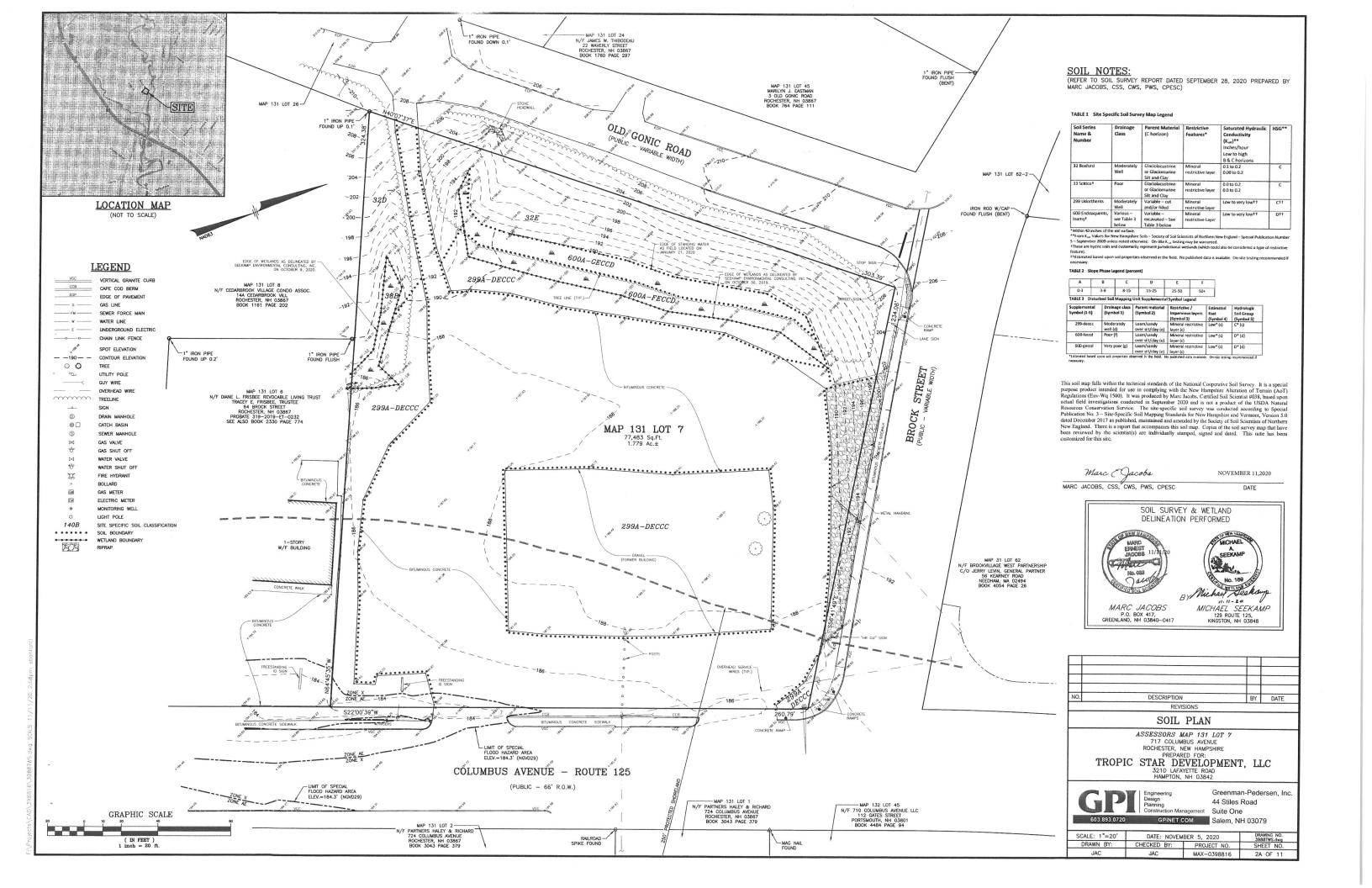


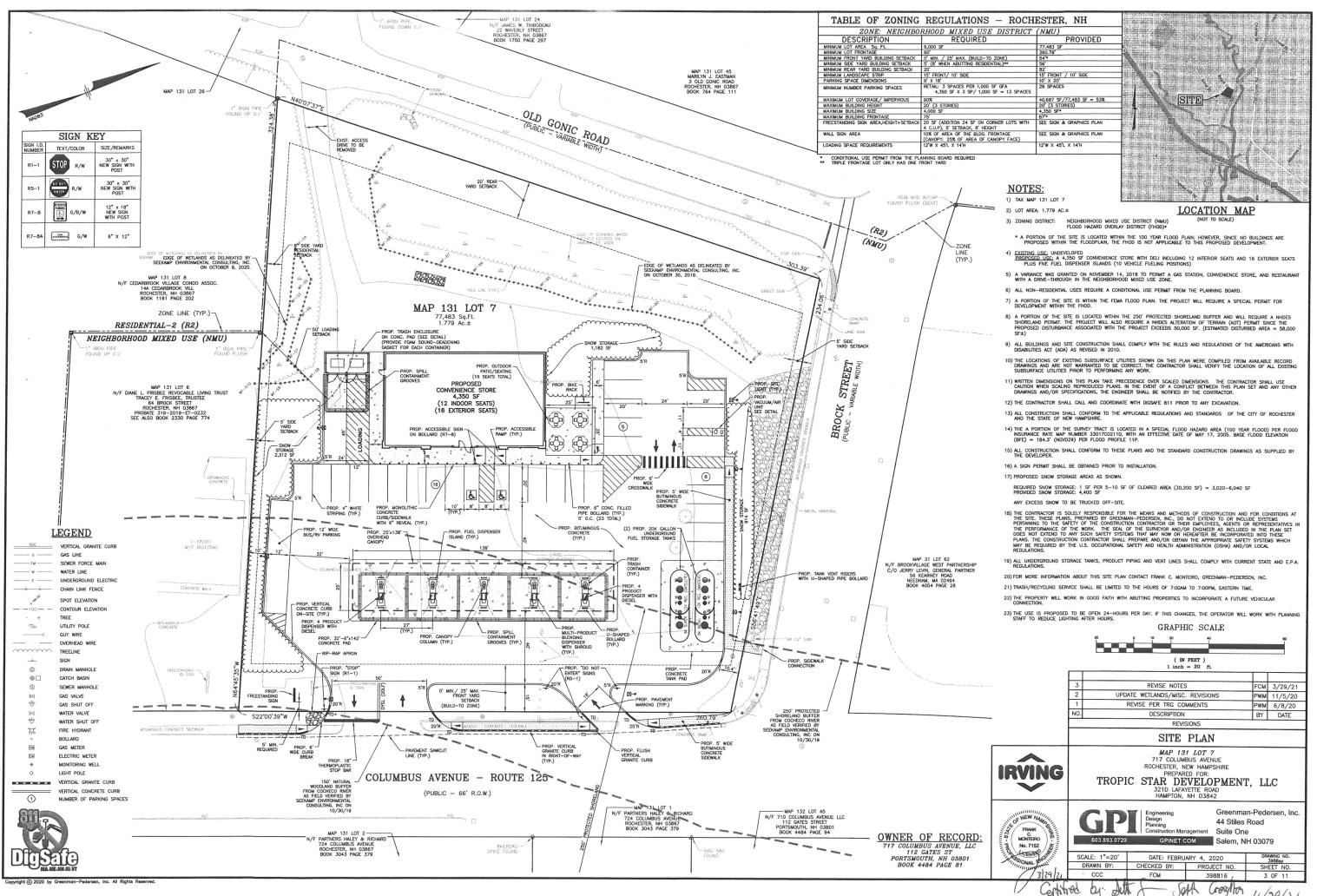
	<b>GP</b> 603.893.0720
ŀ	NOT TO SCALE

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

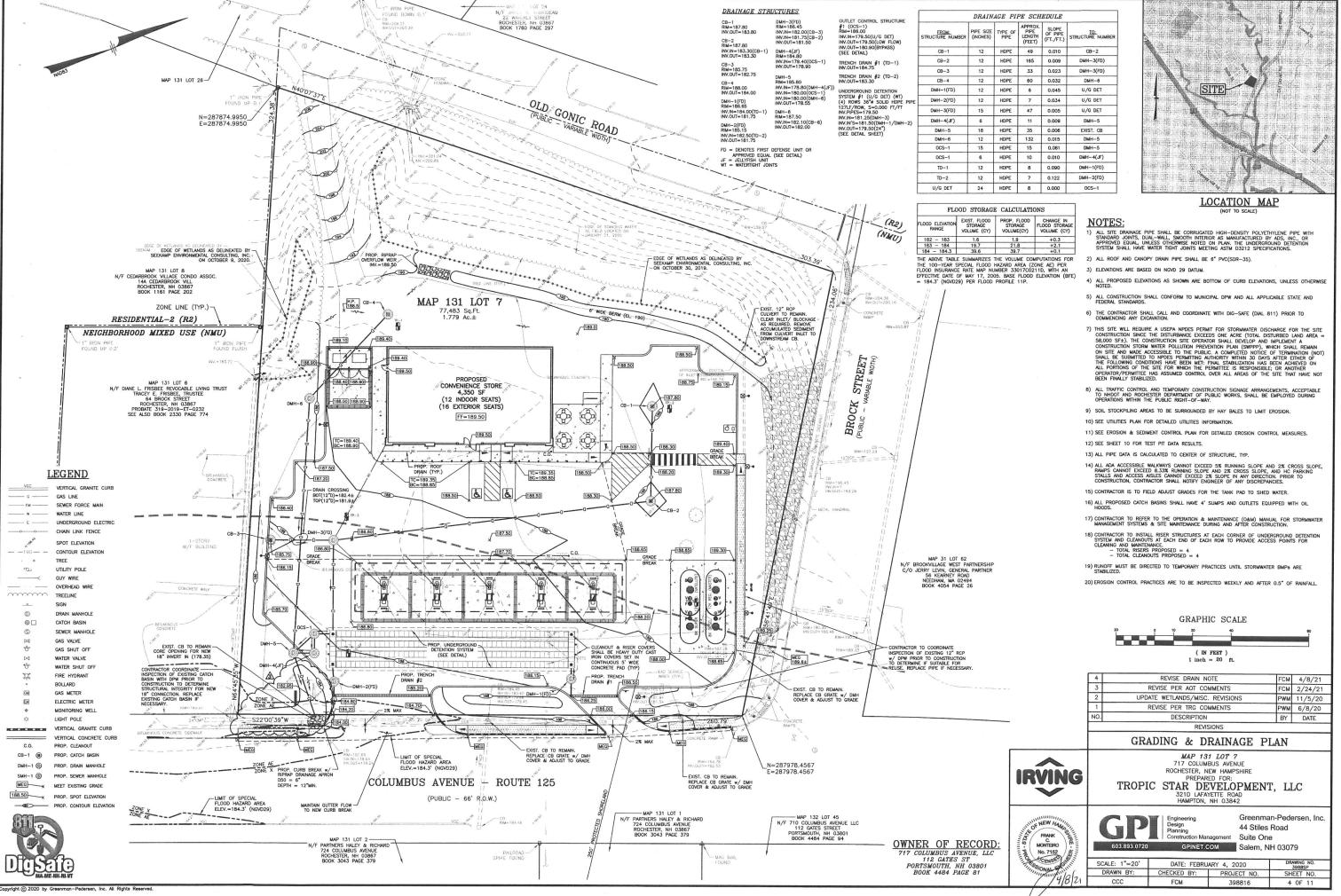
Soth Creighton

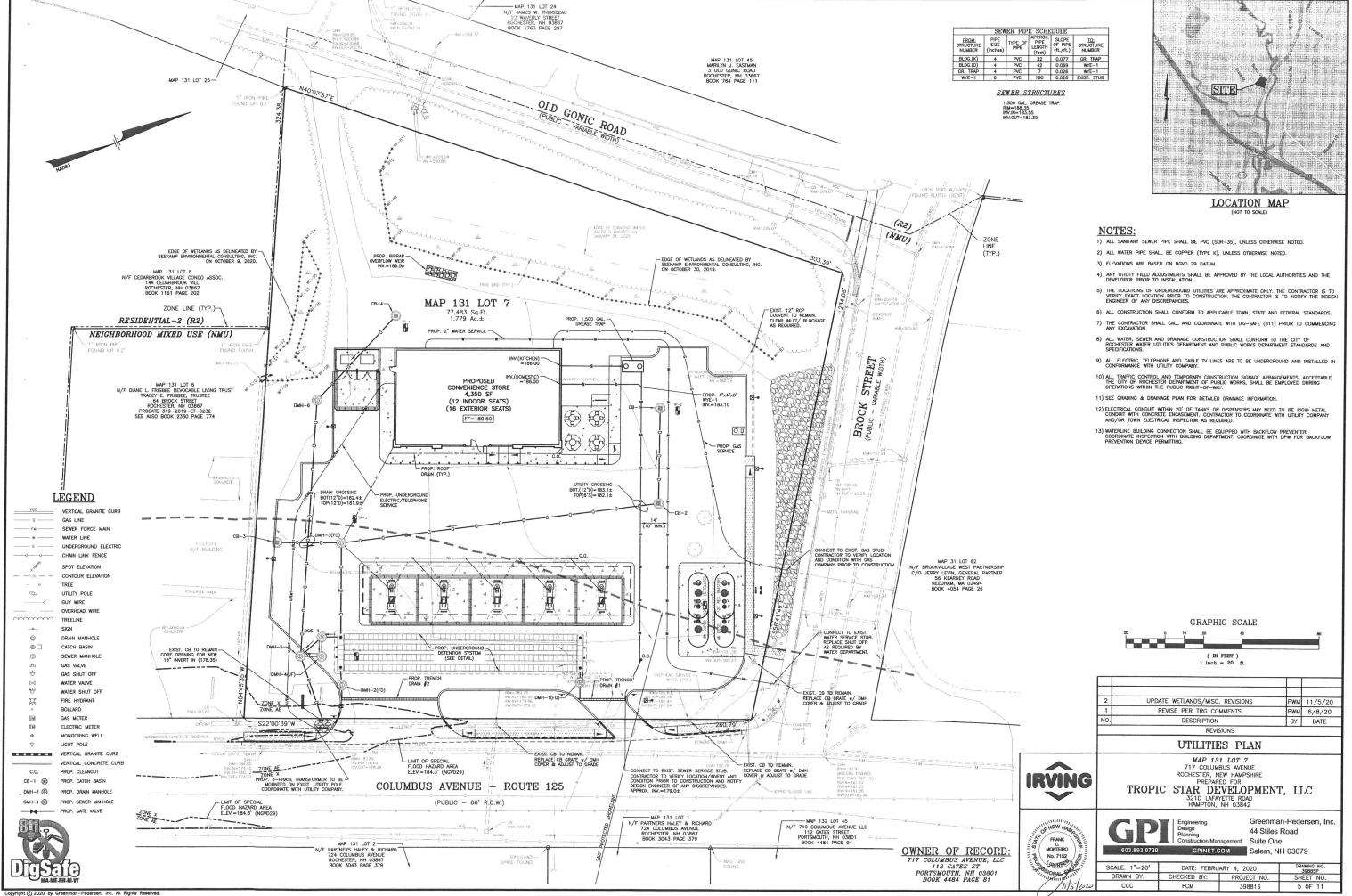


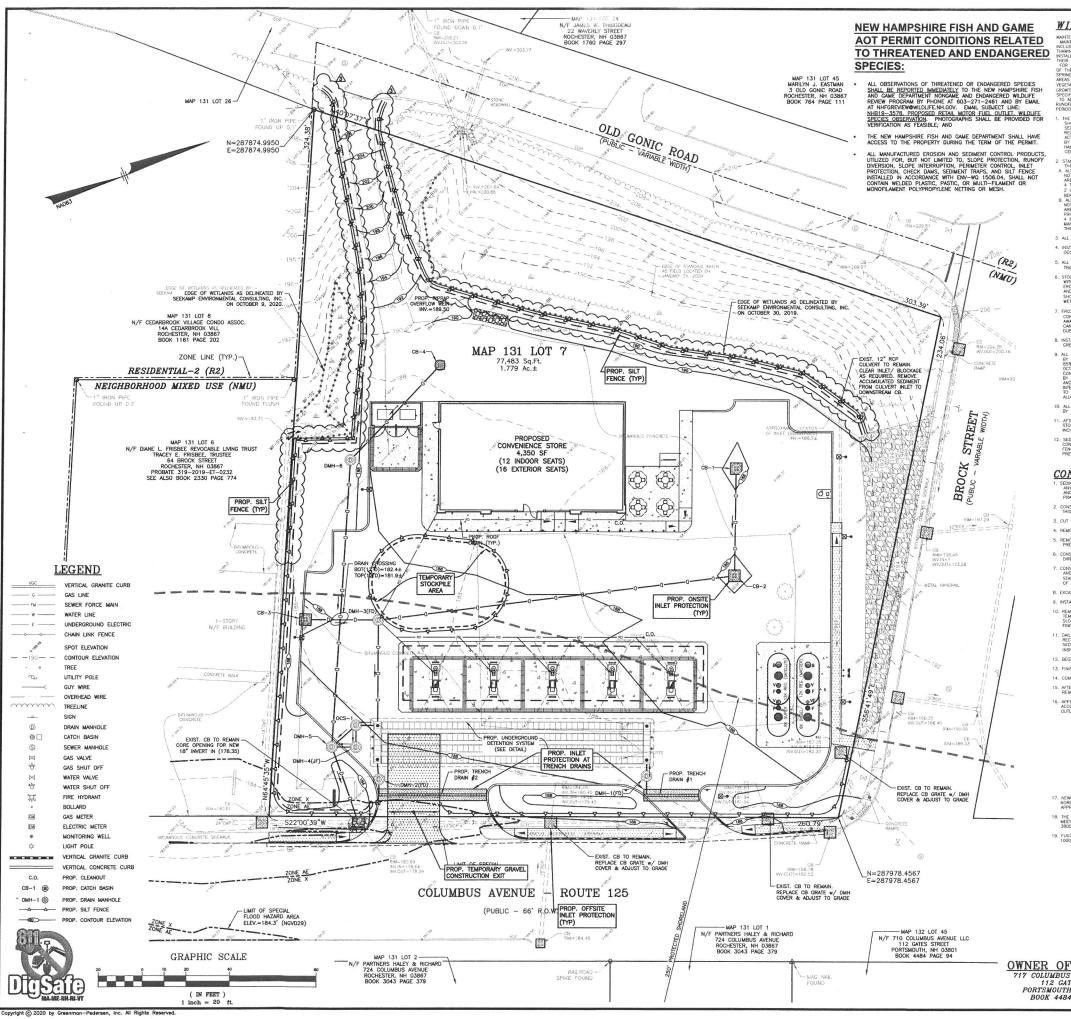




4/28/21







#### WINTER STABILIZATION NOTES:

INSTALLED EROSION CONTROL MEASURES AND PERFORM FRANKE AN EPISED TO INSURE THE CONTINUENT FUNCTION. THE CONTINUENT FUNCTION IN TEMPORARY OR PERMANENT SEEDING PROOF TO THE CONTEST SEASON, THE CONTROL FOR SHOULD CONDUCT AN INSECTION IN THE SPRING TO ASCERTIAN THE CONDITION OF VECETATION COVER, AND REPAIR ANY DAMAGE ARRAS, OR BASE SOFT SHOW THE ASSESSMENT OF THE WITHOUT STATEMENT OF THE WORLD AND REPAIR ANY DAMAGE ARRAS, OR BASE SOFT SHOW RESULTS AND REPAIR ANY DAMAGE ARRAS, OR BASE SOFT SHOULD BE REQUIRED TO ACHIEVE AN ESTATEMENT OF THE CONTINUENT CONTROL (AT LAST 85% OF AREA VEGETATED WITH HEALTHY, VEOROUS SPECIFICATIONS OF THE CONTROL OF THE CO

- CERTIFIED BY THE CSPESS COUNCIL OF ENVIRONCERT INTERNATIONAL, INC.

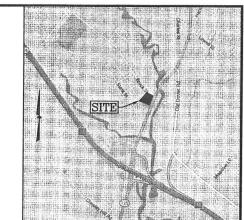
  STABILIZATION, AS FOLLOWS SHOULD BE COUNTETED WITHIN A DAY OF ESTABLISHING
  THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS
  ALL PROPOSED VICETATED AREA MANNO A SLOPE OF IESS THAN 15% WHICH DO
  NOT EXHIBIT A MINIMUM OF BEST VECETATIVE GROWTH BY OCTOBER 15TH, OR WHICH OF
  NOTE EXHIBIT A MINIMUM OF BEST VECETATIVE GROWTH BY OCTOBER 15TH, OR WHICH
  A THAN 15TH AND THAT OF STABIN MILLION PER ARMS ESCURED WITH ANCHORED METTING, OR
  2 INCHES OF EROSION CONTROL MIX (SEE DESCRIPTION OF EROSION CONTROL MIX
  BERNES FOR MATERIAL SPECIFICATION,
  ALL PROPOSED VICETATED AREAS MEDITAL CONTROL TO CONTROL MIX
  BERNES FOR MATERIAL SPECIFICATION
  ALL PROPOSED VICETATED AREAS MEDITAL CONTROL TO CONTROL MIX
  PROPERTY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM
  A MICH INFORMES OF FEROSION CONTROL MIX, MILLES SO CHREMISES SPECIFICATION
  AND ANCHORED SPECIFICATION ON THE MICH AS MANDAY
  WHICH A MINIMUM OF SEE MACHINE CONTROL BLANKET OR WITH A MINIMUM
  A MICH INFORMES OF FEROSION CONTROL MIX, MILLES SO CHREMISES SPECIFIED BY THE
  MANUFACTURER. NOTE THAT COMPOST BUNNETS SHOULD NOT EXCEED 2 INCHES IN
  THERMESS OF THE THAT ORDERS.
- 3. ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15 INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX SHOULD NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH.
- ALL MULCH APPLIED DURING WINTER SHOULD BE ANCHORED (E.G., BY NETTING, TRACKING, WOOD CELLULOSE FIBER).
- 7. FROZEN MATERIALS, (E.G., FROST LAYER THAT IS REMOVED DURING WINTER CONSTRUCTION), SHOULD BE STOCKPILED SEPARATEY AND IN A LOCATION THAT IS AWAY FROM ANY AREA NEEDING TO BE PROTECTED. STOCKPILES OF FROZEN MATERIAL CAN MELT IN THE SPRING AND BECOME UNMORRABEE AND DIFFICULT TO TRANSPORT DUE TO THE MOR MOSTURE CONTENT IN THE SOUTHERN MISTURE CONTENT IN THE STATE.
- 9. ALL GRASS—LINED DITCHES AND CHAMPIELS SHOULD BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF SEX VECTATION GROWTH BY COTOBER 15TH, OR WHICH ARE DISTURBED AFTER COTOBER 15TH, OR WHICH ARE DISTURBED AFTER COTOBER 15TH, SHOULD BE SYMBUZED TEMPORATIVE WITH STOKE OR EXCOLONIAL OF EXPANSION OF THE CONTROL OF EXPANSION OF THE CONTROL OF EXPANSION OF THE CONTROL OF EXPANSION AND SEDMENT CONTROL AS CERTIFIED BY THE COSPECT OF THE CONTROL OF EXPANSION OF THE COSPECT OF THE COSPEC
- 10. ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.
- AFTER NOVEMBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHOOT ITEM 304.3.

#### CONSTRUCTION SEQUENCE NOTES:

- 4. REMOVE ALL EXISTING PAVEMENT.
- REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION.
- CONSTRUCT PONDS, SWALES & LEVEL SPREADERS & STABILIZE PRIOR TO DIRECTING ANY RUNOFF TO THEM.
- 8. EXCAVATE, CONSTRUCT & BEGIN STABILIZATION OF GRAVEL WETLAND.
- 9. INSTALL UNDERGROUND UTILITIES AND DRAINAGE SYSTEM.
- REMOVE ALL COMPACTED SOILS FROM PROPOSED LANDSCAPE AREAS. BEGIN TEMPORARY AND PERMANENT SECOND AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED WITHIN 72—HOURS OF ACHIEVING FINISHED GRADES.
- 12. BEGIN EXCAVATION FOR CONSTRUCTION OF BUILDINGS.
- 14. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
- APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPUSHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

lbs./gcre 112 Oats (No later than May 15)

- 19. FUGITIVE DUST MUST BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.



LOCATION MAP

#### EROSION CONTROL NOTES:

- ALL PERMANENT STORM WATER STRUCTURES SHALL BE STABILIZED PRIOR TO DIRECTING FLOW INTO THEM. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING

- 5. ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE FINISHED GRADED, WITH NO FURTHER CONSTRUCTION TO TAKE PLACE, SHALL BE LOAMED AND SEEDED WITHIN 7 HOURS AFER FINIL GRADING. AN IMMUM OF 4" OF LOAD SHALL BE INSTALLED WITHIN STATE AND ONE FOUND OF SEED PER 50 SOURRE YARDS OF AREA. THE SEEL SHALL BE AS DESIGNATED BELLOW.

- AVOID THE USE OF FUTURE OPEN SPACES (LOAM & SEED) WHEREVER POSSIBLE DURIL CONSTRUCTION. CONSTRUCTION TRAFFIC SHALL USE THE ROADBEDS OF FUTURE ROADS.

#### TEMPORARY EROSION

#### CONTROL MEASURES:

- . HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- BALED HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE FROM NOTOODS WEEDS OR WOODY STEMS, AND SHALL BE DRY: NO SALT HAY SHALL BE USED.
- 4. FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED AND SEEDING AS SPECIFIED.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 11. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER
- RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPs AR STARILIZED.

ADD FISH & GAME CONDITIONS	FCM 4/8/	21
REVISE PER AOT COMMENTS	FCM 2/24,	/21
UPDATE WETLANDS/MISC. REVISIONS	PWM 11/5/	/20
REVISE PER TRG COMMENTS	PWM 6/8/	20
DESCRIPTION	BY DAT	E

REVISIONS

#### EROSION & SEDIMENT CONTROL PLAN

IRVING

MAP 131 LOT 7 717 COLUMBUS AVENUE ROCHESTER, NEW HAMPSHIRE

TROPIC STAR DEVELOPMENT, LLC

321D LAFAYETTE ROAD HAMPTON, NH 03842



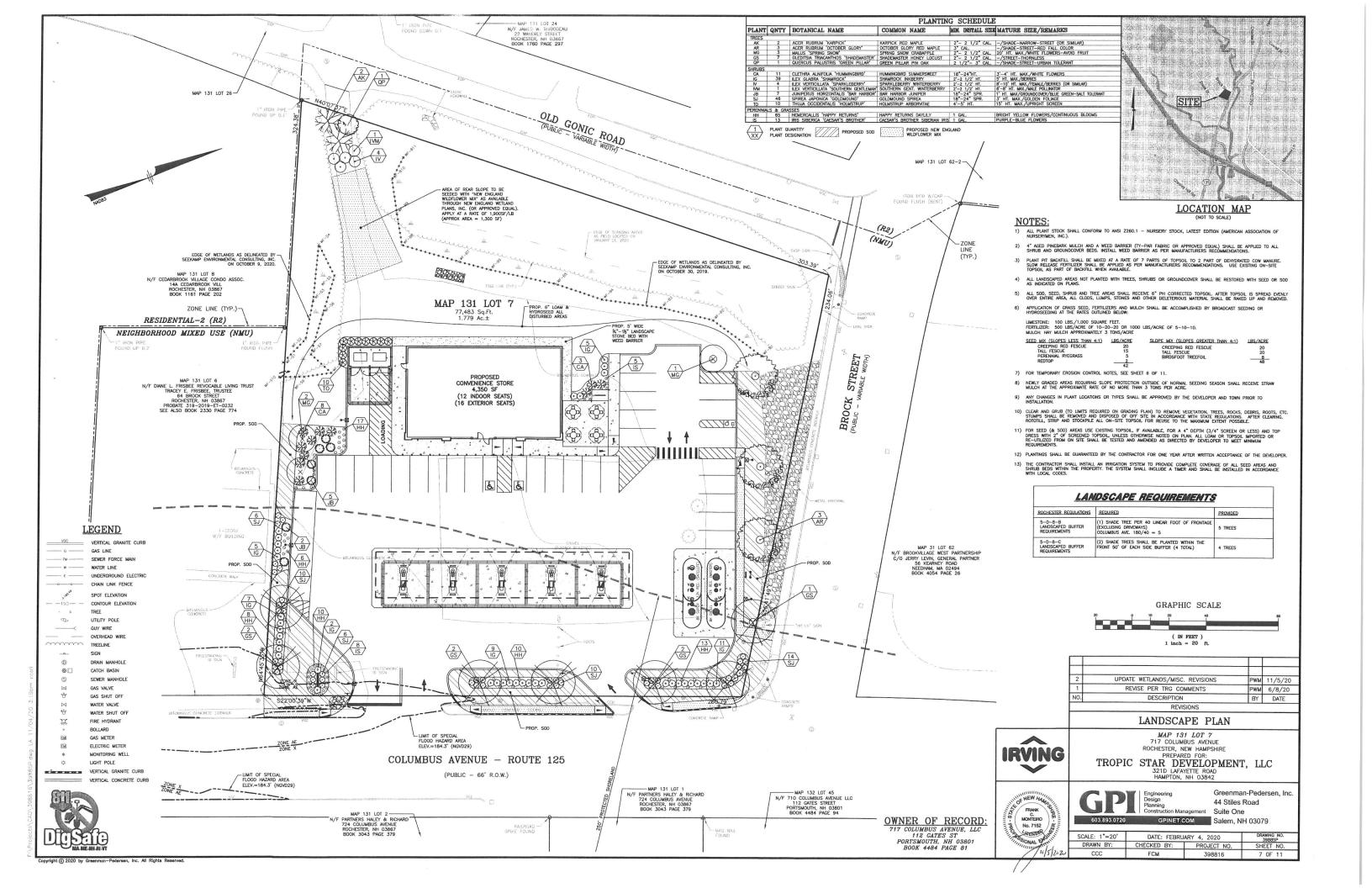




Greenman-Pedersen, Inc. 44 Stiles Road agement Suite One

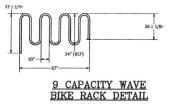
DATE: FEBRUARY 4, 2020 DRAWN BY: CHECKED BY: PROJECT NO. 398816 6 OF 11

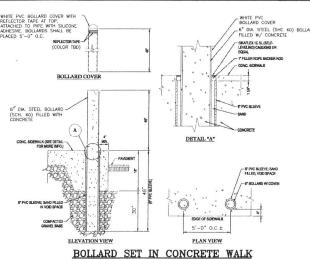
OWNER OF RECORD: 717 COLUMBUS AVENUE, LLC 112 GATES ST PORTSMOUTH, NH 03801 BOOK 4484 PAGE 81

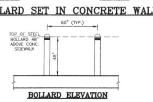




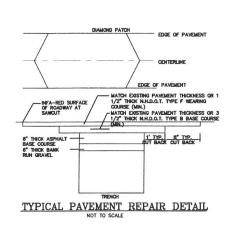
RACK AVAILABLE IN GROUND OR SURFACE MOUNT STYLES. CONSTRUCTED OF 2 - 3/8' O.D. SCHEDULE 40 GALVANIZED PIPE. POWDER COATED FINISH AVAILABLE IN BLACK BROWN, GREEN, BLUE, AND RED.

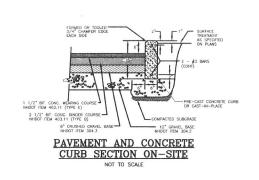


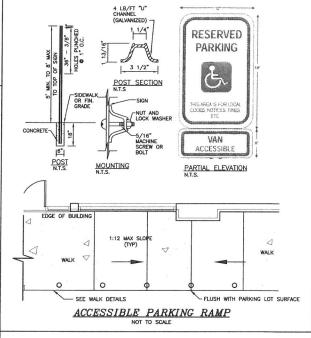


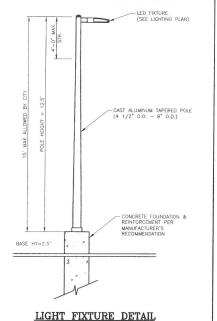


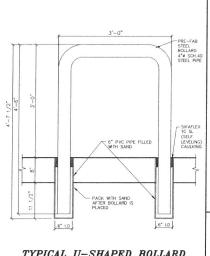
BOLLARD DETAILS AT STOREFRONT



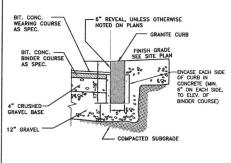




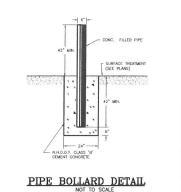


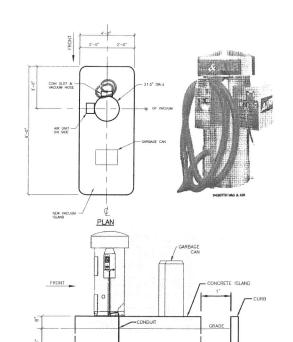


TYPICAL U-SHAPED BOLLARD
NOT TO SCALE



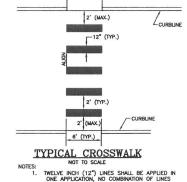


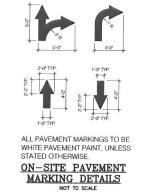


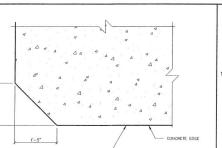


SIDE ELEVATION

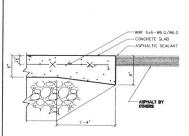
VACUUM/AIR ISLAND DETAIL
NOT TO SCALE



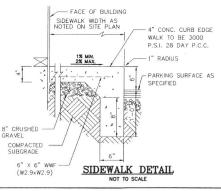


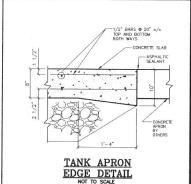


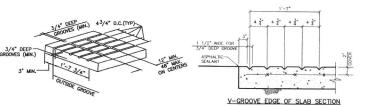
ASPHALTIC SEALANT AROUND PERIMETER OF APRON DISPENSER APRON CHAMFER DETAIL



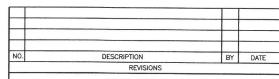
DISPENSER APRON EDGE DETAIL











### SITE DETAILS

IRVING

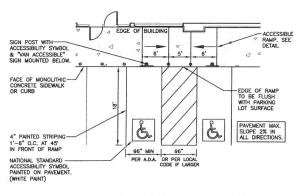
MAP 131 LOT 7
717 COLUMBUS AVENUE
ROCHESTER, NEW HAMPSHIRE
PREPARED FOR:
TROPIC STAR DEVELOPMENT, LLC
321D LAFAVETTE ROAD
HAMPTON, NH 03842



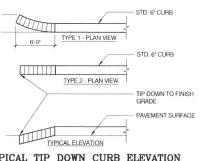


44 Stiles Road ment Suite One GPINET.COM Salem, NH 03079

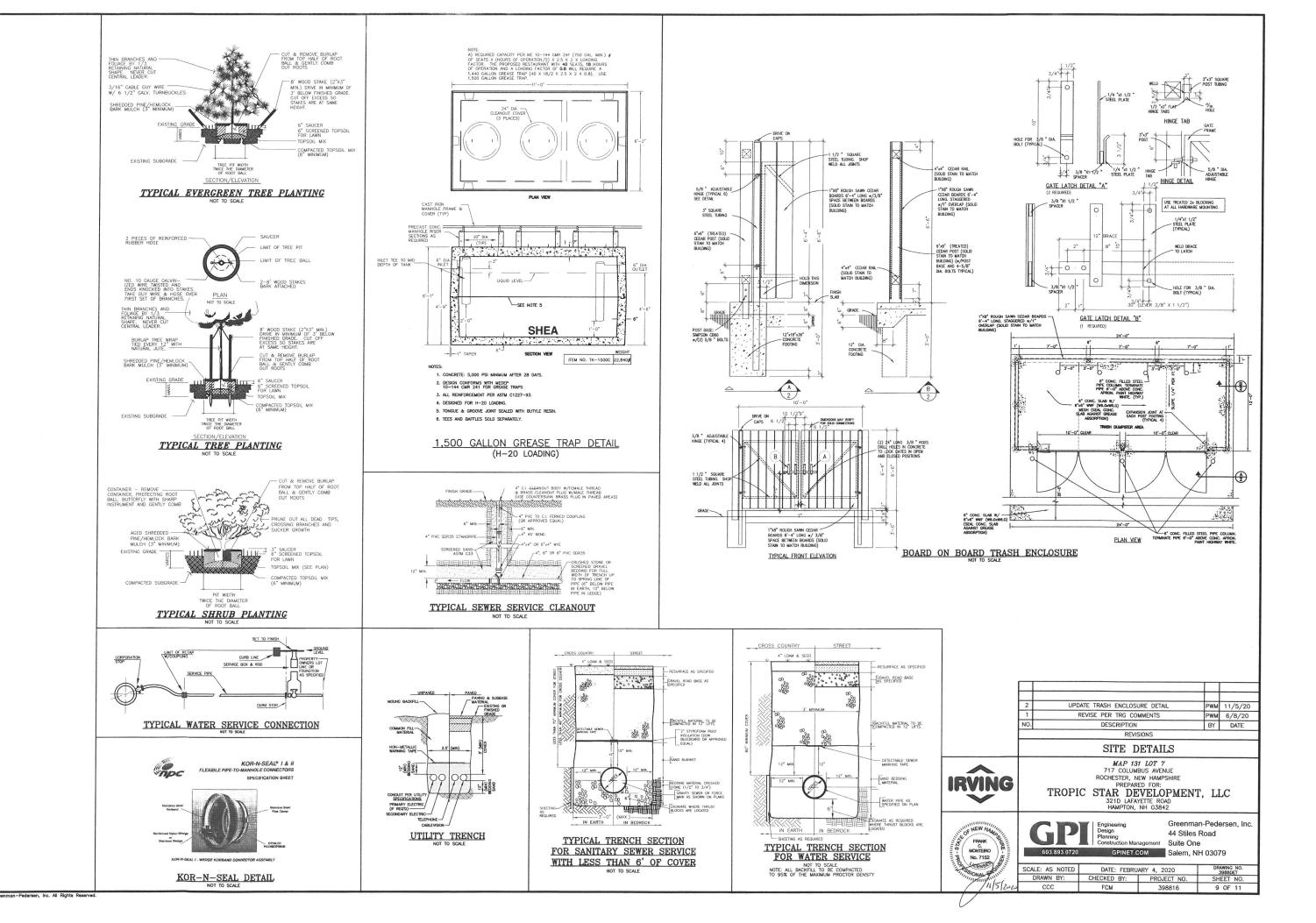
SCALE: AS NOTED DATE: FEBRUARY 4, 2020 DRAWN BY: CHECKED BY: PROJECT NO. CCC FCM 398816 8 OF 11



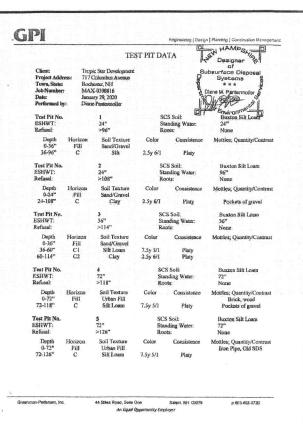




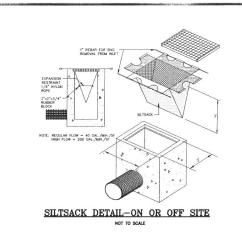
TYPICAL TIP DOWN CURB ELEVATION
NOT TO SCALE

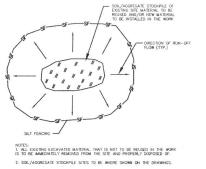


Fi/ Projects / CAD/ 398816/ 39880FT dwn DFT9 11 / 04 / 20 3-18-20 20



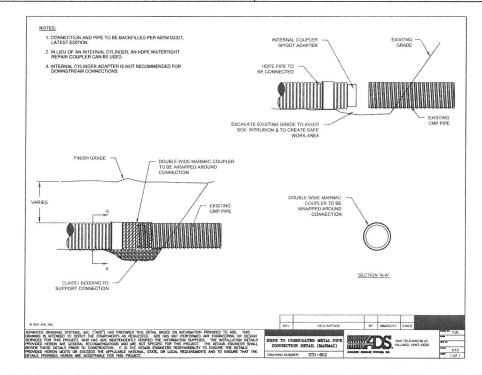
TEST PIT LOGS

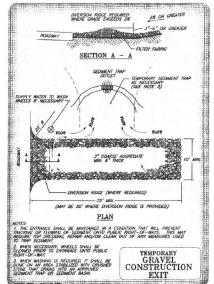




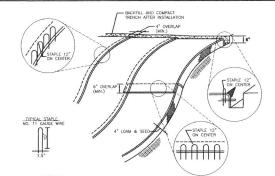
RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.

4. STOCKPILE HEIGHTS MUST NOT EXCEED 35', STOCKPILE SLOPES MUST BE 2:1 OR FLATTER. MATERIALS STOCKPILE DETAIL



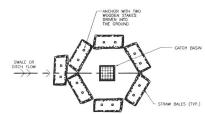


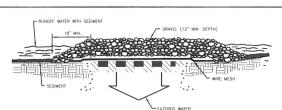
#### GRAVEL CONSTRUCTION EXIT NOT TO SCALE



T. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH, BACKFILL AND COMPACT TRENCH AFTER STAPLING, 2 BOLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW 3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED. 4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE BLANKET END OVER END WITH EINCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6 INCH DEEP TRENCH.

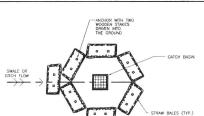
BLANKET SLOPE PROTECTION FOR EROSION CONTROL



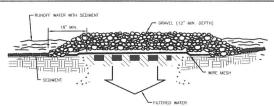


2) THE WIRE MESH SHOULD BE COVERED WITH CLEAN COARSE AGGREGATE SUCH AS SEWER STONE FOR A MINIMUM DEPTH OF 12 INCHES.

ON-SITE INLET PROTECTION DETAIL



## LOW POINT SEDIMENTATION CONTROL BARRIER NOT TO SCALE



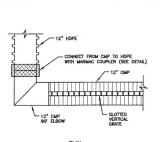


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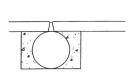
PWM 6/8/20

BY DATE



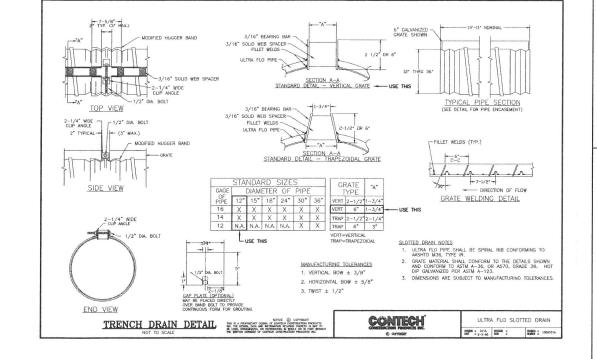


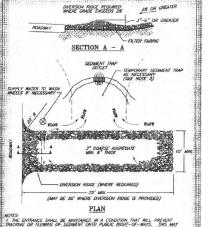
TRENCH DRAIN CONNECTION DETAIL



FOR INSTALLATION AIDS, CALL YOUR LOCAL CONTECH SALES ENGINEER

PIPE ENCASEMENT DETAIL





Front View

THE ELIMINATOR CATCH BASIN OIL & DEBRIS TRAP

Enlarged Section 2-2



Enlarged Section 1-1





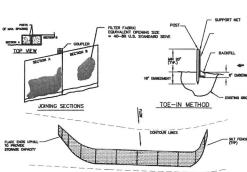












1) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES FOLDED AND STAPLED. 2) MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. 3. ENDS OF THE FENCE SHALL BE PLACED UP CONTOUR OF THE FLOW TO TRAP SEDIMENT.

SEDIMENT CONTROL FENCE



SITE DETAILS MAP 131 LOT 7 717 COLUMBUS AVENUE ROCHESTER, NEW HAMPSHIRE

REVISE PER TRG COMMENTS

DESCRIPTION

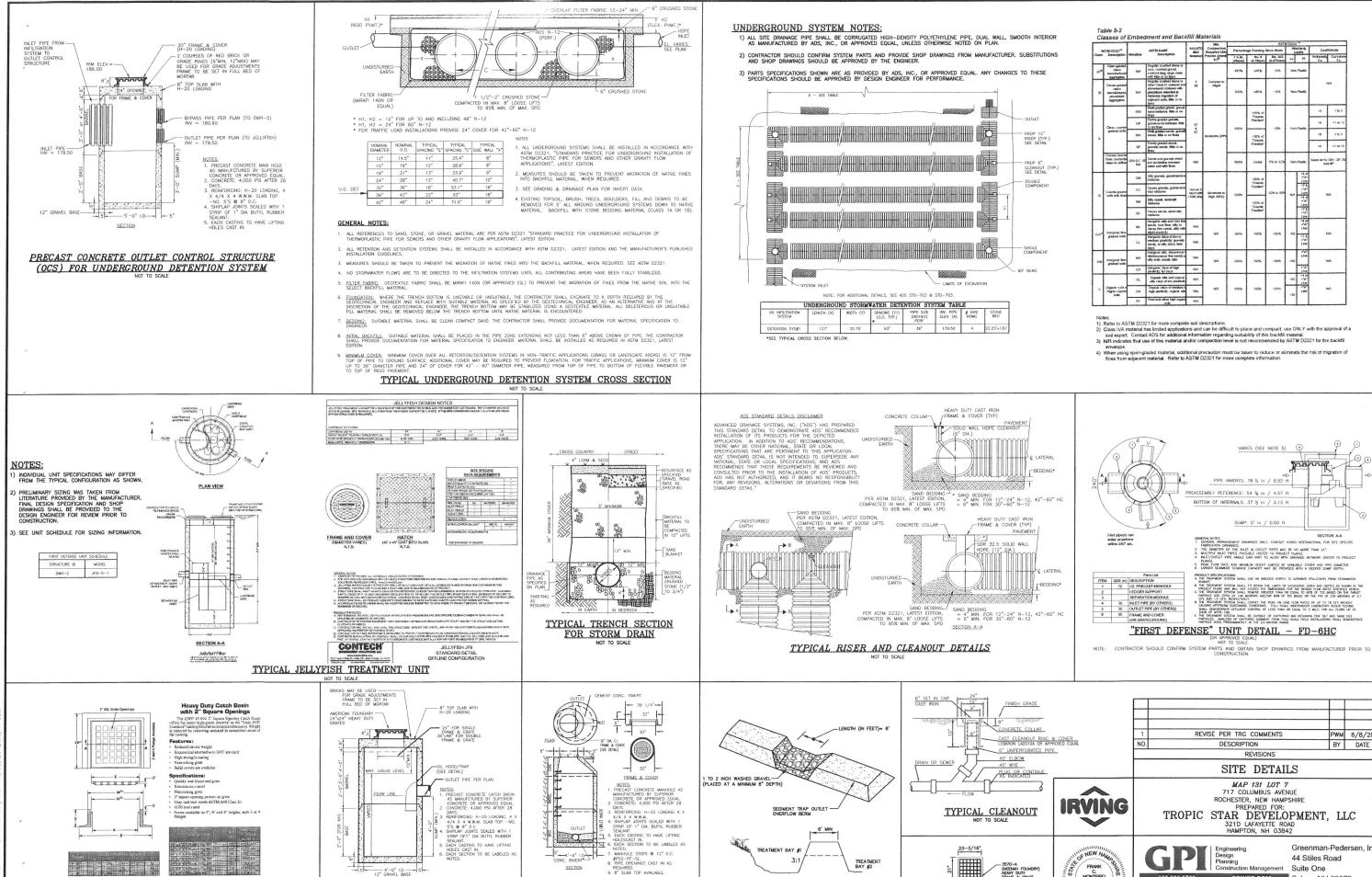
TROPIC STAR DEVELOPMENT, LLC 321D LAFAYETTE ROAD HAMPTON, NH 03842





uction Management Suite One GPINET.COM Salem, NH 03079

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SECTION

PRECAST CONCRETE

CATCH BASIN WITH HOOD

NOT TO SCALE

PRECAST CONCRETE

DRAIN MANHOLE

NOT TO SCALE

CROSS SECTION

STONE WEIR DETAIL

CATCH BASIN FRAME & GRATE DETAIL

- 3570-A (NEENAH FOUNDRY) HEAVY DUTY FRAME & GRATE H-20 LOADING FRANK C. MONTEIRO No. 7152 COENSED

LOW PROFILE GRATE

PLAN VIEW

44 Stiles Road Management Suite One GPINET.COM Salem, NH 03079

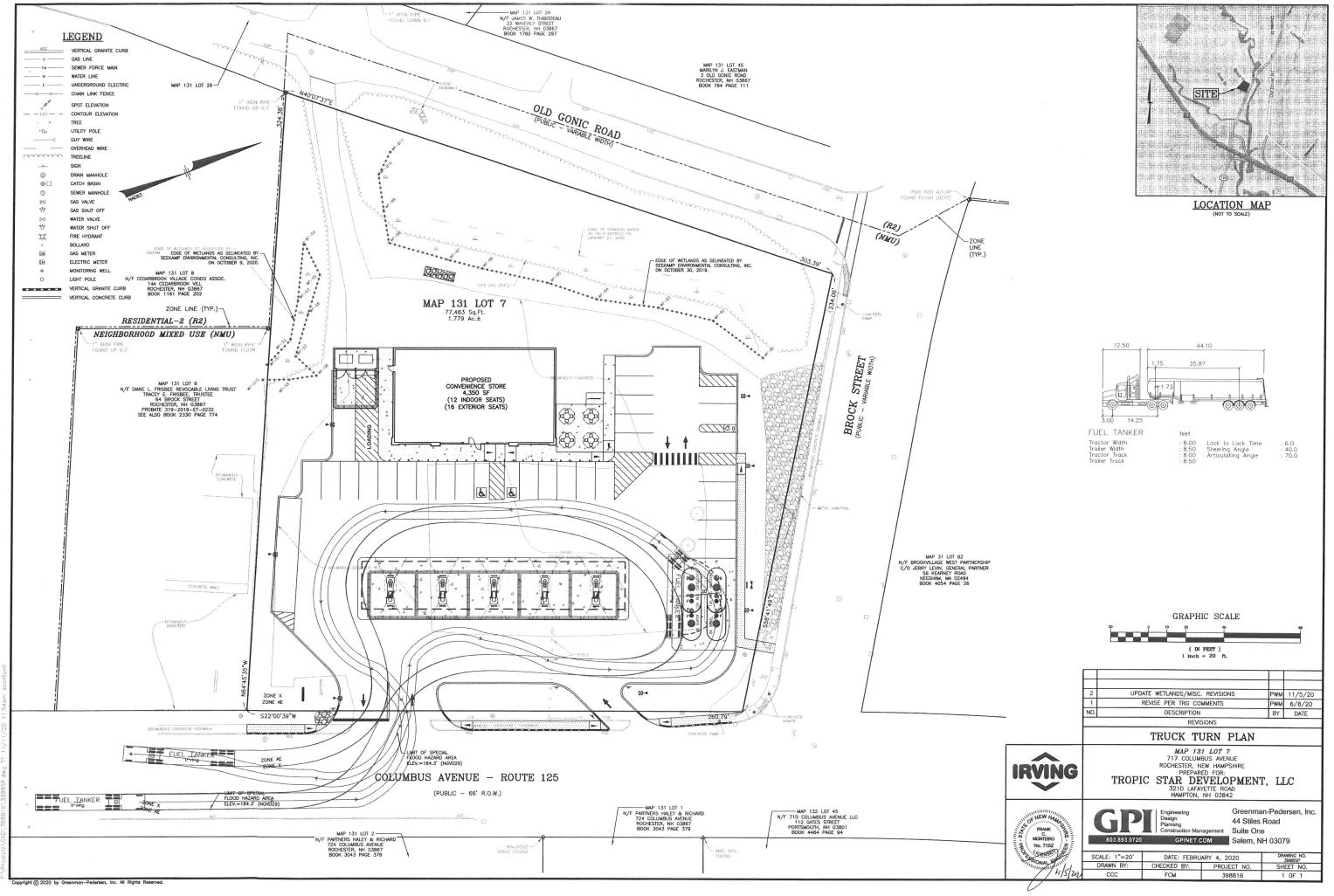
es for GW, GP, and SP

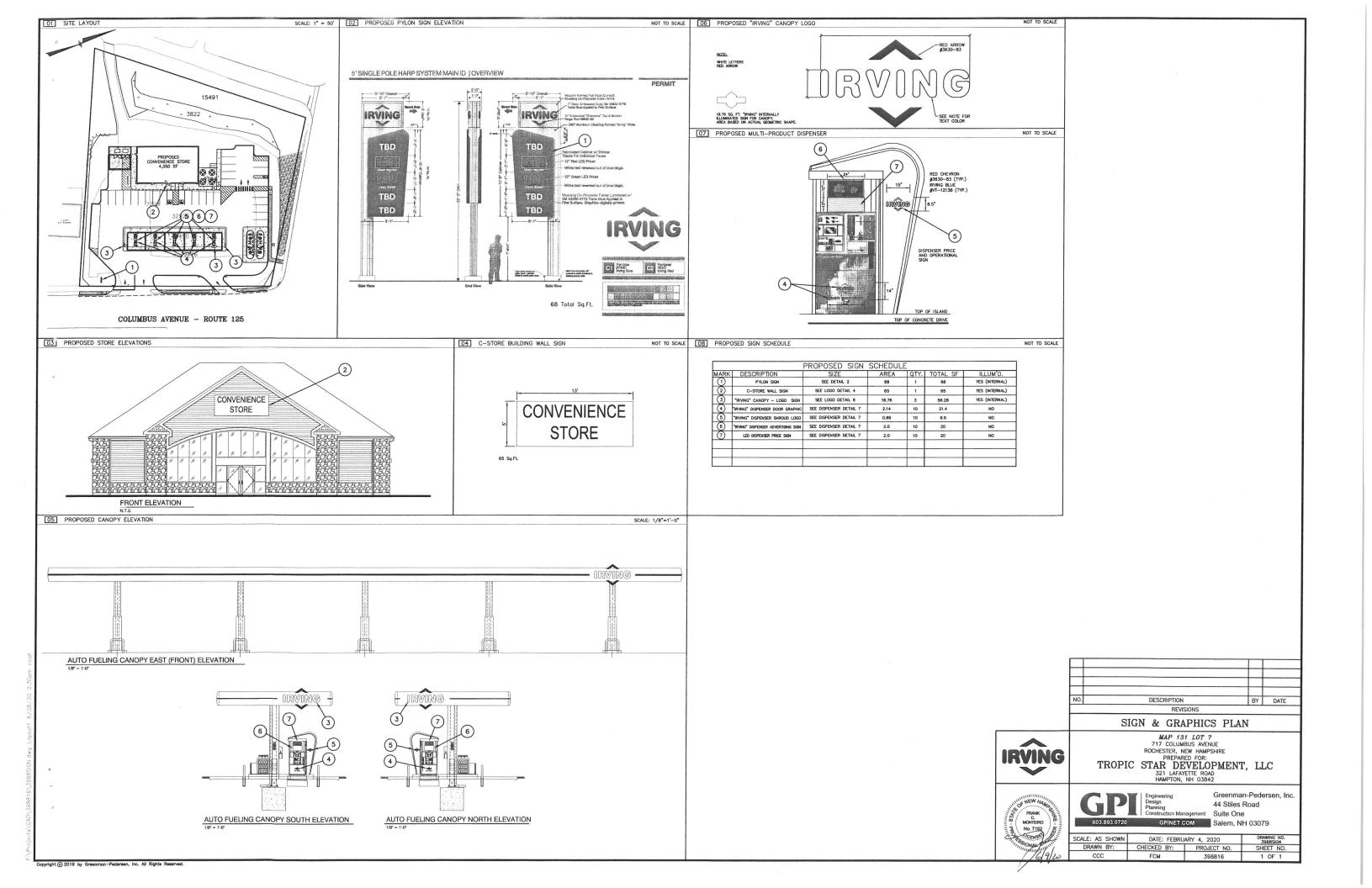
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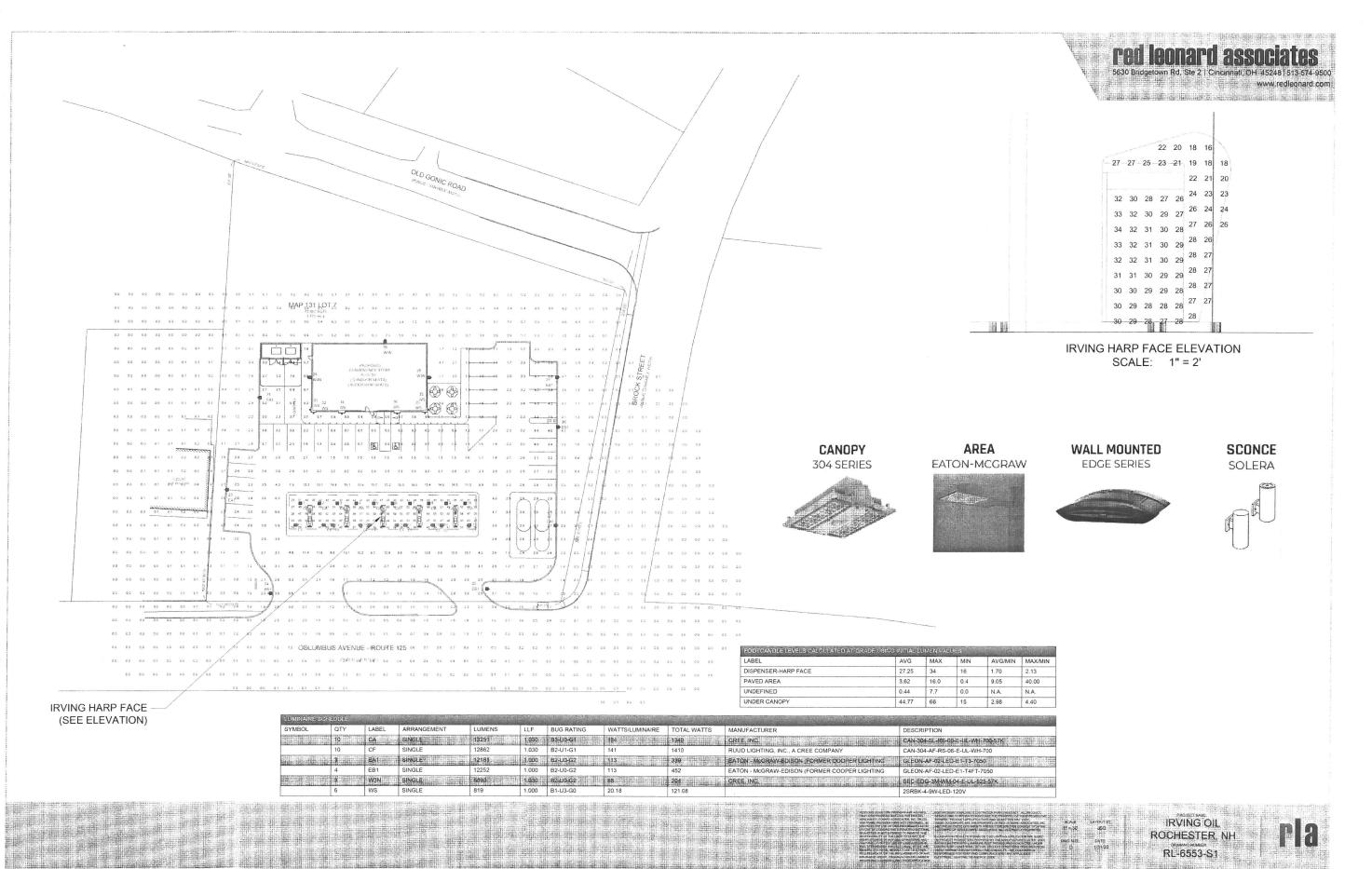
PWM 6/8/20

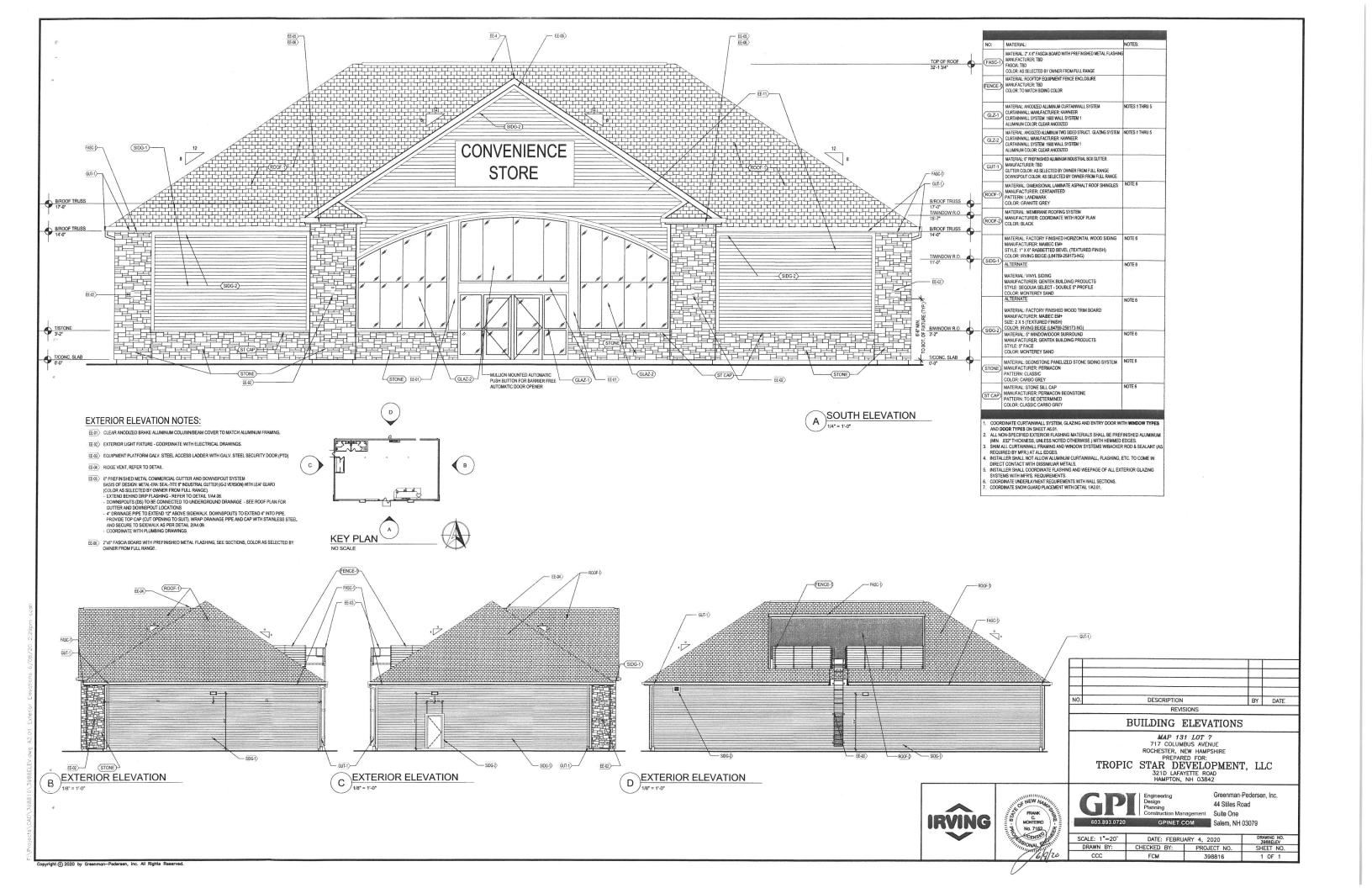
BY DATE

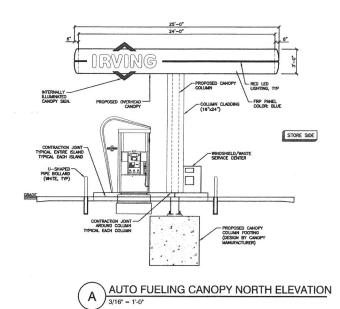
DATE: FEBRUARY 4, 2020 DRAWN BY: CHECKED BY: PROJECT NO. CCC FCM 398816 11 OF 11

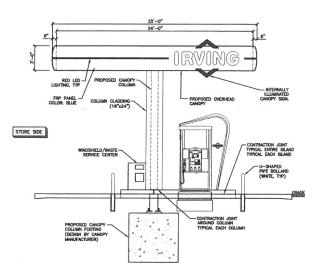




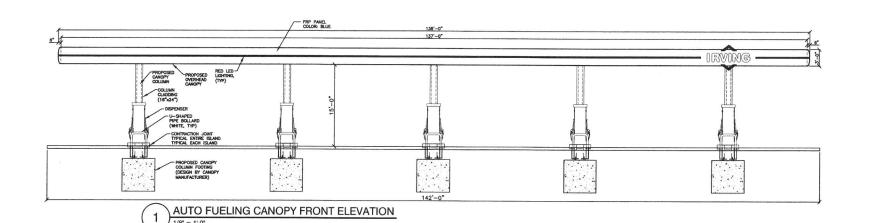




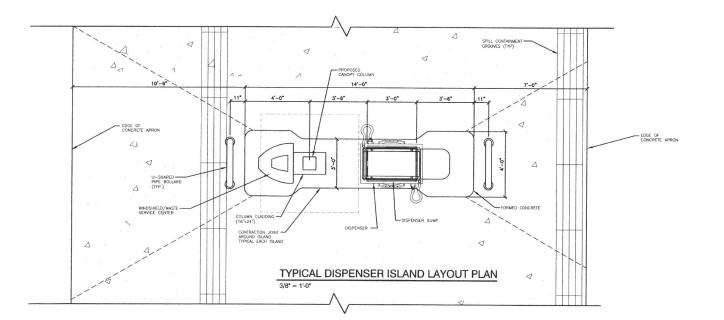


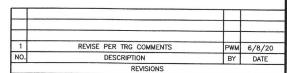


B AUTO FUELING CANOPY SOUTH ELEVATION



NOTE: NO CANOPY ILLUMINATION SHALL BE PROVIDED ON THE REAR (WEST) ELEVATION





# CANOPY ELEVATIONS

IRVING

MAP 131 LOT 7
717 COLUMBUS AVENUE
ROCHESTER, NEW HAMPSHIRE
PREPARED FOR:
TROPIC STAR DEVELOPMENT, LLC
321D LAFAYETTE ROAD
HAMPTON, NH 03842



<b>GPI</b>	Engine Design Plannir Constr
603.893.0720	(
COME: 4" 00'	

Greenman-Pedersen, Inc. 44 Stiles Road ruction Management Suite One GPINET.COM Salem, NH 03079

SCALE: 1"=20' DRAWN BY: DATE: FEBRUARY 4, 2020
CHECKED BY: PROJECT NO. CCC FCM 398816