

LEGEND:

EXISTING #" SANITARY SEWER W/ MH & C.O. EX. SANITARY SEWER TO BE REMOVED OR ABANDONED \_\_\_\_\_XS DEMO \_\_\_\_\_ EXISTING WATER EX. WATER TO BE REMOVED OR ABANDONED EXISTING GV & FH EXIST #" STORM/CULVERT, INLET, MH, END SECTION WITH RIPRAP EX. STORM/CULVERT TO BE REMOVED OR ABANDONED XST DEMO

EXISTING FIBER OPTIC EX. FIBER OPTIC TO BE REMOVED OR ABANDONED EXISTING TELEPHONE

EXISTING TELEPHONE EX. TELEPHONE TO BE REMOVED OR ABANDONED PROBABLE LIMITS OF DISTURBAMCE (SUBJECT TO CHANGE BASED ON ENCOUNTERED

EXISTING ASPHALT

EXISTING ASPHALT TO BE REMOVED

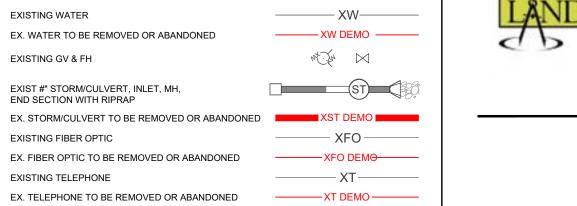
EXISTING CONCRETE EXISTING CONCRETE TO BE REMOVED

EXISTING GRAVEL

EXISTING GRAVEL TO BE REMOVED

EXISTING PAVERS TO BE REMOVED

DEMOLITION (LINE TYPES MAY VARY FROM THE ABOVE)



\_\_\_\_\_XG\_\_\_\_

\_\_\_\_\_XG DEMO\_\_\_\_\_

CONDITIONS AND CONTRACTOR MEANS/METHODS)

EXISTING PAVERS

EXISTING WILDHORSE GONDOLA ARA TO BE REMOVED GENERAL: ITEMS SHOWN IN RED ARE ANTICIPATED FOR

## **DEMOLITION NOTES:**

- THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR FOR ALL UNKNOWN UNDERGROUND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING DEMOLITION REMOVAL, REPLACEMENT, AND DISPOSAL OF ALL FACILITIES AND MATERIALS.
- CONTRACTOR IS ENCOUGARED TO PERFORM DEMOLITION IN A MANNER THAT MAXIMIZED SALVAGE, RE-USE, AND RECYCLING OF MATERIALS. THIS INCLUDES ASPHALT, AND BASE COURSE SHOULD BE RECYCLED IF POSSIBLE.
- LIMITS OF STREET CUT ARE APPROXIMATE. FINAL LIMITS ARE TO BE DETERMINED IN THE FIELD BY THE CITY ENGINEER. ALL REPAIRS TO BE IN ACCORDANCE WITH CITY STREET REPAIR STANDARDS.

MILL AND OVERLAY OF STREET CUT AREAS MAY BE REQUIRED. CONTACT CITY ENGINEER FOR DETERMINATION.

- CONTRACTOR SHALL COORDINATE SITE DEMOLITION OPERATIONS WITH ALL OTHER TRADES PERFORMING WORK ON THE PROJECT.
- CONTRACTOR SHALL REPLACE, REPAIR AND/OR RESTORE TO ORIGINAL CONDITION, ALL BUILDINGS AND SITE IMPROVEMENTS, NOT DESIGNATED FOR REMOVAL, THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST TO OWNER. IF UTILITIES ARE DAMAGED, CONTRACTOR SHALL VERIFY REPLACEMENT REQUIREMENTS WITH UTILITY PROVIDERS AND ARRANGE FOR
- 8. QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE AND SHALL BE VERIFIED IN



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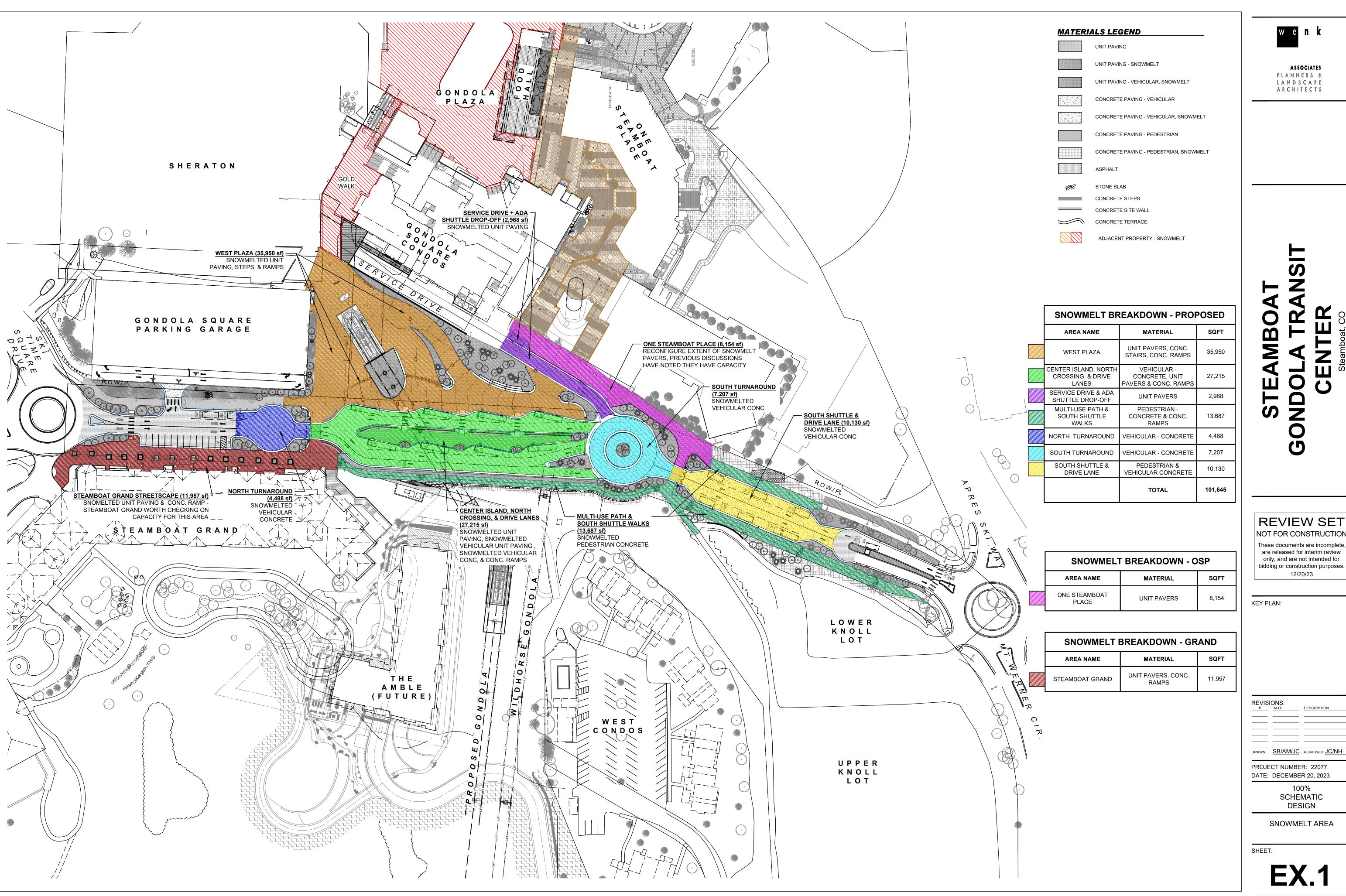
**REVISIONS:** # DATE DESCRIPTION

PROJECT NUMBER: 22077/1012-057 DATE: NOVEMBER 03, 2023

DRAWN: LM REVIEWED: EG

100% SCHEMATIC DESIGN

DEMOLITION EXHIBIT





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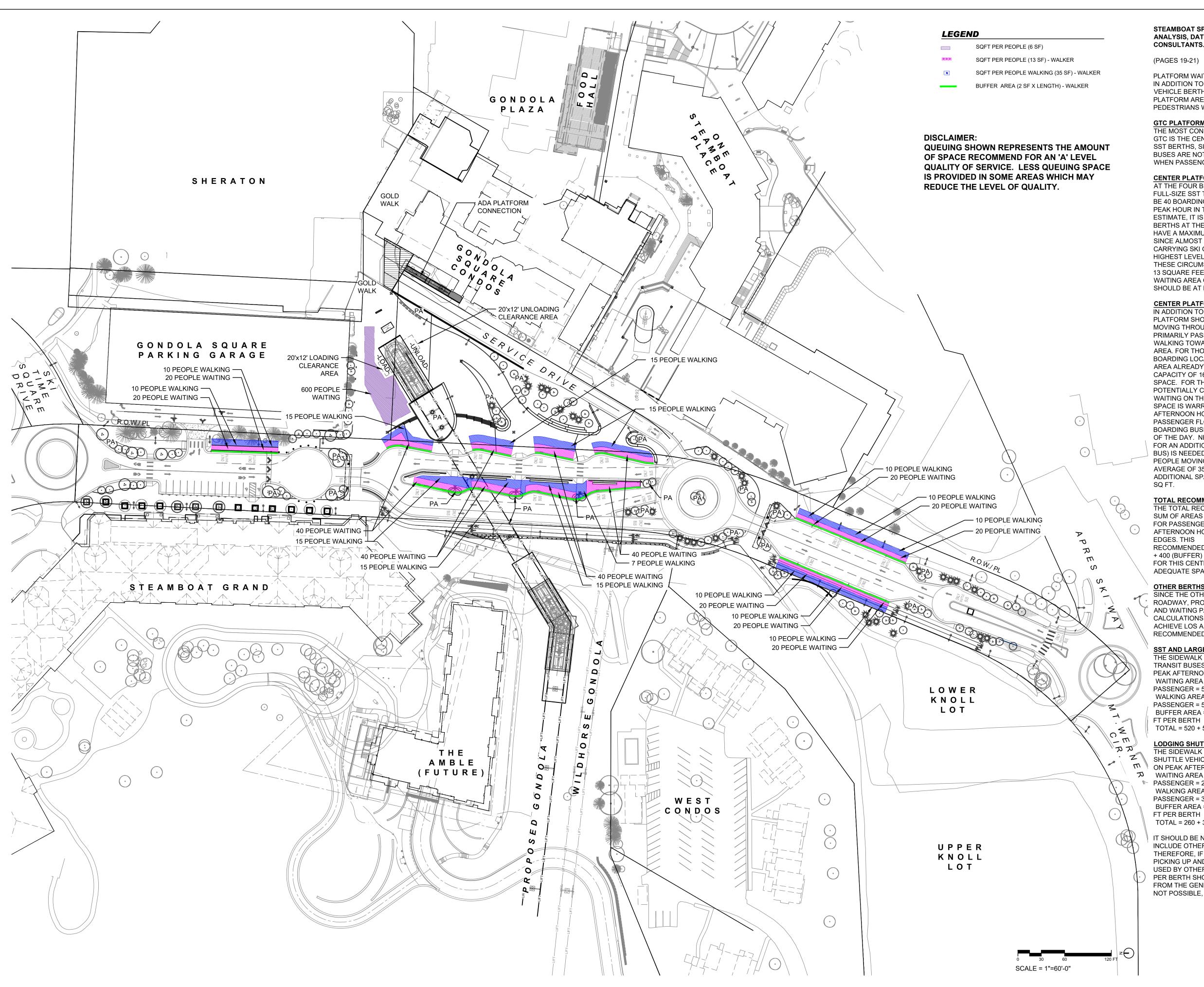
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\_\_\_\_\_\_\_\_DATE

PROJECT NUMBER: 22077 DATE: DECEMBER 20, 2023

100% SCHEMATIC DESIGN

SNOWMELT AREA



STEAMBOAT SPRINGS GONDOLA TRANSIT CENTER **ANALYSIS, DATED AUGUST 21, 2023 BY WALKER** CONSULTANTS.

(PAGES 19-21)

PLATFORM WAITING AND PEDESTRIAN AREAS IN ADDITION TO AN INCREASED NUMBER OF TRANSIT VEHICLE BERTHS, THE NEW GTC WILL FEATURE EXPANDED PLATFORM AREAS FOR WAITING PASSENGERS AND PEDESTRIANS WALKING TO AND FROM SHUTTLES.

**GTC PLATFORM** 

THE MOST CONSTRAINED PLATFORM AREA FOR THE NEW GTC IS THE CENTER PLATFORM FOR FOUR OF THE EIGHT SST BERTHS, SINCE THESE ARE THE ONLY BERTHS WHERE BUSES ARE NOT LOCATED AT THE EDGE OF THE ROADWAY WHEN PASSENGERS ARE BOARDING AND ALIGHTING.

CENTER PLATFORM REQUIRED WAITING AREA

AT THE FOUR BERTHS WHICH ARE ALL INTENDED FOR FULL-SIZE SST TRANSIT BUSES, THERE ARE ASSUMED TO BE 40 BOARDINGS PER VEHICLE (FULL BUSES DURING PEAK HOUR IN THE AFTERNOON). AS A CONSERVATIVE ESTIMATE, IT IS ASSUMED THAT THE FOUR FULL-SIZE BERTHS AT THE NEW CENTER ISLAND PLATFORM WILL HAVE A MAXIMUM OF 160 PEOPLE WAITING TO BOARD. SINCE ALMOST ALL OF THESE PASSENGERS WILL BE CARRYING SKI GEAR, THE TCQSM RECOMMENDS THE HIGHEST LEVEL OF SERVICE (LOS A) FOR THESE CIRCUMSTANCES, WHICH WOULD MEAN AT LEAST 13 SQUARE FEET PER PASSENGER. THE TOTAL COMBINED WAITING AREA ON THE CENTER ISLAND PLATFORM SHOULD BE AT LEAST 13 X 160 = 2,080 SQ FT.

CENTER PLATFORM REQUIRED WALKING AREA

IN ADDITION TO PEOPLE WAITING TO BOARD, THE CENTER PLATFORM SHOULD HAVE SPACE FOR PEDESTRIANS MOVING THROUGH THE AREA, WHICH IS EXPECTED TO BE PRIMARILY PASSENGERS ALIGHTING FROM BUSES OR WALKING TOWARD THEIR BUS BERTH FROM THE BASE AREA. FOR THOSE PEOPLE MOVING TOWARD THEIR BOARDING LOCATION, IT IS ASSUMED THAT THE WAITING AREA ALREADY PROVIDED ABOVE BASED ON A PLATFORM CAPACITY OF 160 PEOPLE WILL PROVIDE SUFFICIENT SPACE. FOR THOSE ALIGHTING FROM BUSES, WHO POTENTIALLY COULD BE IN ADDITION TO THE 160 PEOPLE WAITING ON THE PLATFORM, SOME ADDITIONAL PLATFORM SPACE IS WARRANTED. DESIGNING FOR THE PEAK AFTERNOON HOUR MEANS THAT THE PREDOMINANT PASSENGER FLOW IS COMING FROM THE BASE AREA AND BOARDING BUSES, AS WOULD BE EXPECTED AT THE END OF THE DAY. NEVERTHELESS, IT IS ASSUMED THAT SPACE FOR AN ADDITIONAL 60 ALIGHTING PASSENGERS (15 PER BUS) IS NEEDED ON THE PLATFORM. FOR LOS A, THESE 60 PEOPLE MOVING ON THE PLATFORM WOULD REQUIRE AN AVERAGE OF 35 SQ FT EACH. TO ACHIEVE LOS A, THE ADDITIONAL SPACE WOULD THEREFORE BE 35 X 60 = 2,100

TOTAL RECOMMENDED CENTER PLATFORM SIZE

THE TOTAL RECOMMENDED SIZE OF THE PLATFORM IS THE SUM OF AREAS NEEDED FOR MOVING PEDESTRIANS AND FOR PASSENGERS WAITING TO BOARD DURING THE PEAK AFTERNOON HOUR, PLUS A BUFFER ZONE NEAR THE EDGES. THIS

RECOMMENDED SIZE IS 2,080 (WAITING) + 2,100 (WALKING) + 400 (BUFFER) = 4,580 SQ FT. THE MOST RECENT DESIGN FOR THIS CENTER PLATFORM APPEARS TO PROVIDE ADEQUATE SPACE TO ACHIEVE LOS A.

**OTHER BERTHS** 

SINCE THE OTHER BERTHS ARE AGAINST THE SIDE OF THE ROADWAY, PROVIDING ENOUGH SPACE FOR PEDESTRIANS AND WAITING PASSENGERS IS TYPICALLY EASIER. USING CALCULATIONS SIMILAR TO THAT SHOWN ABOVE TO ACHIEVE LOS A. THE FOLLOWING MINIMUM AREA IS RECOMMENDED PER BERTH:

SST AND LARGE BUS BERTHS

THE SIDEWALK AREA NEEDED FOR THESE FULL-SIZE TRANSIT BUSES IS CALCULATED AS FOLLOWS, BASED ON PEAK AFTERNOON HOUR ACTIVITY: WAITING AREA = 40 PASSENGERS X 13 SQ FT PER PASSENGER = 520 SQ FT PER BERTH WALKING AREA = 15 PASSENGERS X 35 SQ FT PER PASSENGER = 525 SQ FT PER BERTH BUFFER AREA = 2 LINEAR FEET X 40 LINEAR FEET = 80 SQ

TOTAL = 520 + 525 + 80 = 1,125 SQ FT PER BERTH

LODGING SHUTTLE BERTHS

THE SIDEWALK AREA NEEDED FOR THESE SMALLER SHUTTLE VEHICLES IS CALCULATED AS FOLLOWS, BASED ON PEAK AFTERNOON HOUR ACTIVITY: WAITING AREA = 20 PASSENGERS X 13 SQ FT PER ₱ PASSENGER = 260 SQ FT PER BERTH WALKING AREA = 10 PASSENGERS X 35 SQ FT PER PASSENGER = 350 SQ FT PER BERTH BUFFER AREA = 2 LINEAR FEET X 25 LINEAR FEET = 50 SQ FT PER BERTH

TOTAL = 260 + 350 + 50 = 660 SQ FT PER BERTH

IT SHOULD BE NOTED THAT THE ABOVE TOTALS DO NOT INCLUDE OTHER PEDESTRIANS PASSING THROUGH. THEREFORE, IF THE AREA WHERE TRANSIT VEHICLES ARE PICKING UP AND DROPPING OFF PASSENGERS IS ALSO USED BY OTHER PEDESTRIANS, THEN THE TOTAL AREA PER BERTH SHOWN ABOVE SHOULD BE PROVIDED AWAY FROM THE GENERAL FLOW OF PEDESTRIANS. IF THIS IS NOT POSSIBLE, ADDITIONAL SPACE SHOULD BE PROVIDED. w e n

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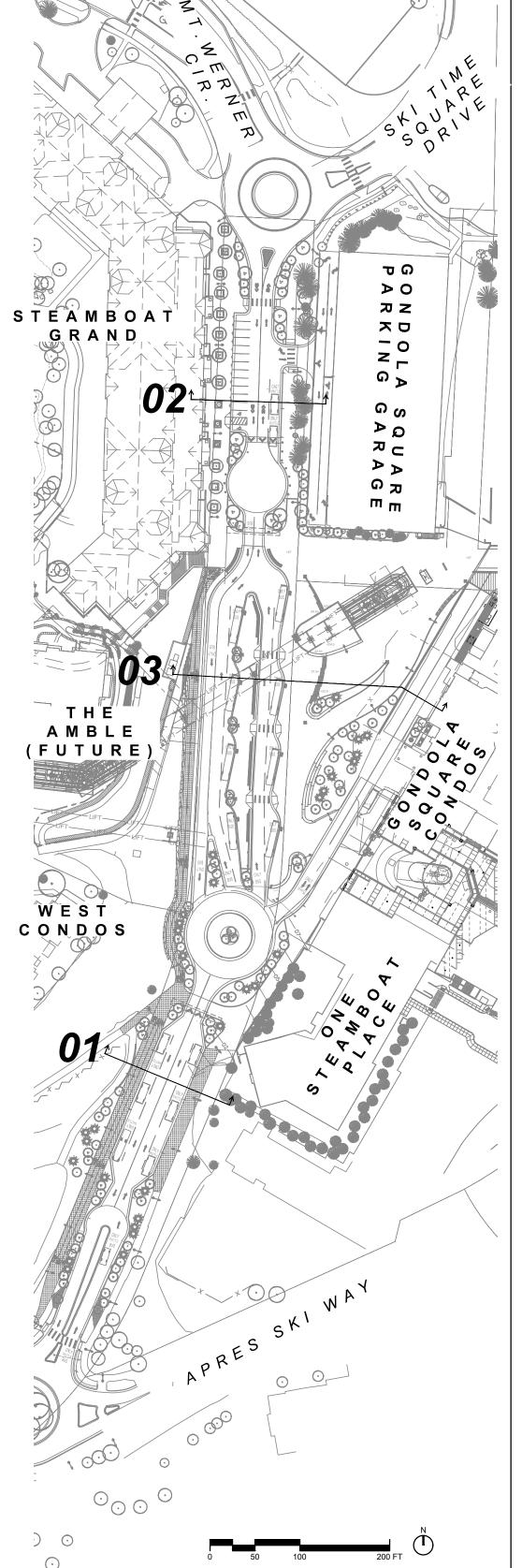
DRAWN: SB/AM/JC REVIEWED: JC/NH

PROJECT NUMBER: 22077 DATE: DECEMBER 20, 2023

100% SCHEMATIC DESIGN

QUEUING STUDY





SERVICE ROAD

**01** KEY MAP
1"=100'-0"



# STEAMBOAT GONDOLA TRANSIT CENTER Steamboat, CO

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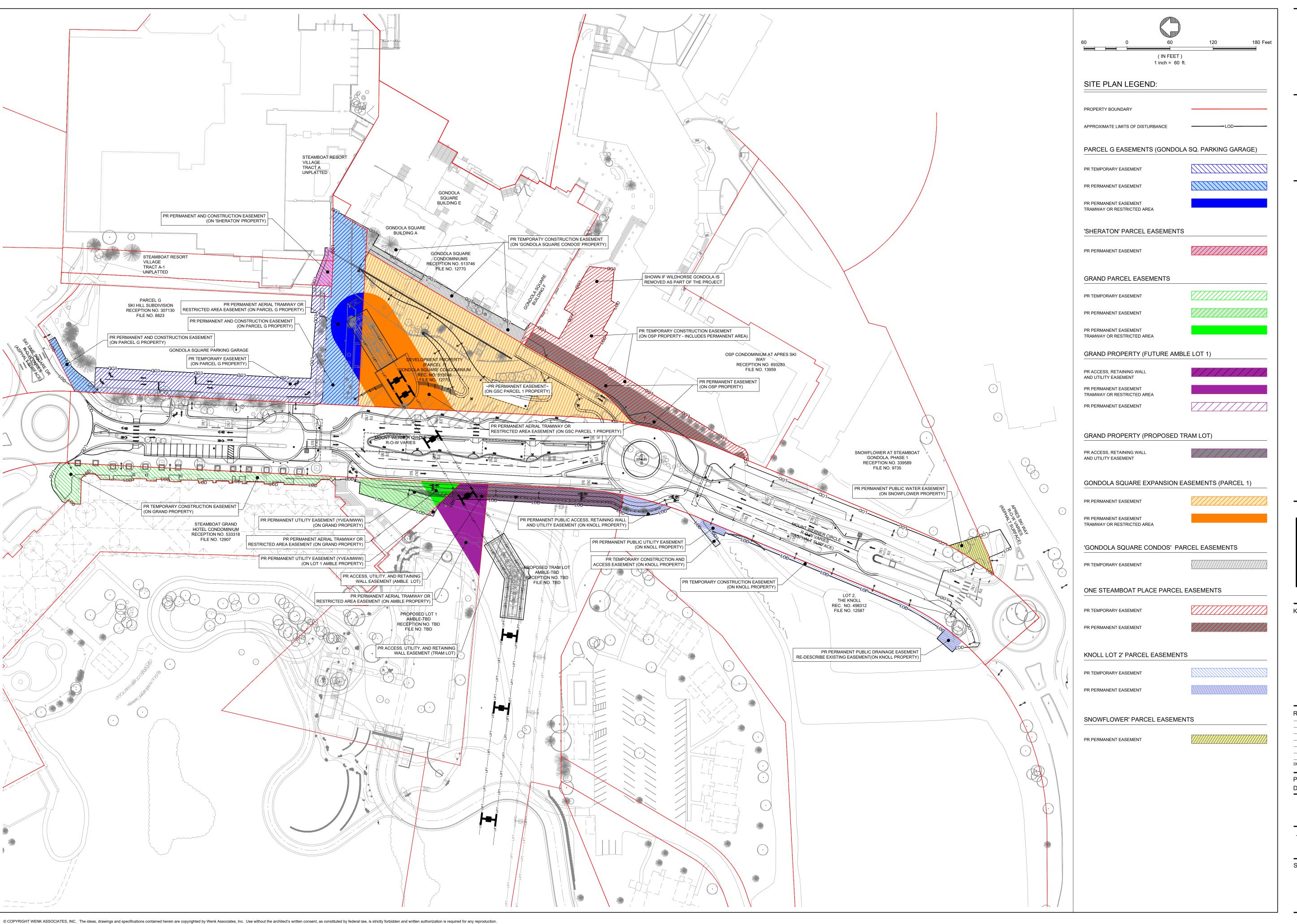
100% SCHEMATIC DESIGN

SITE CROSS SECTIONS

SHEET:

**L.200** 

**03** GTC SECTION 1" = 10'-0"





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# ADOLA TRANSIT CENTER

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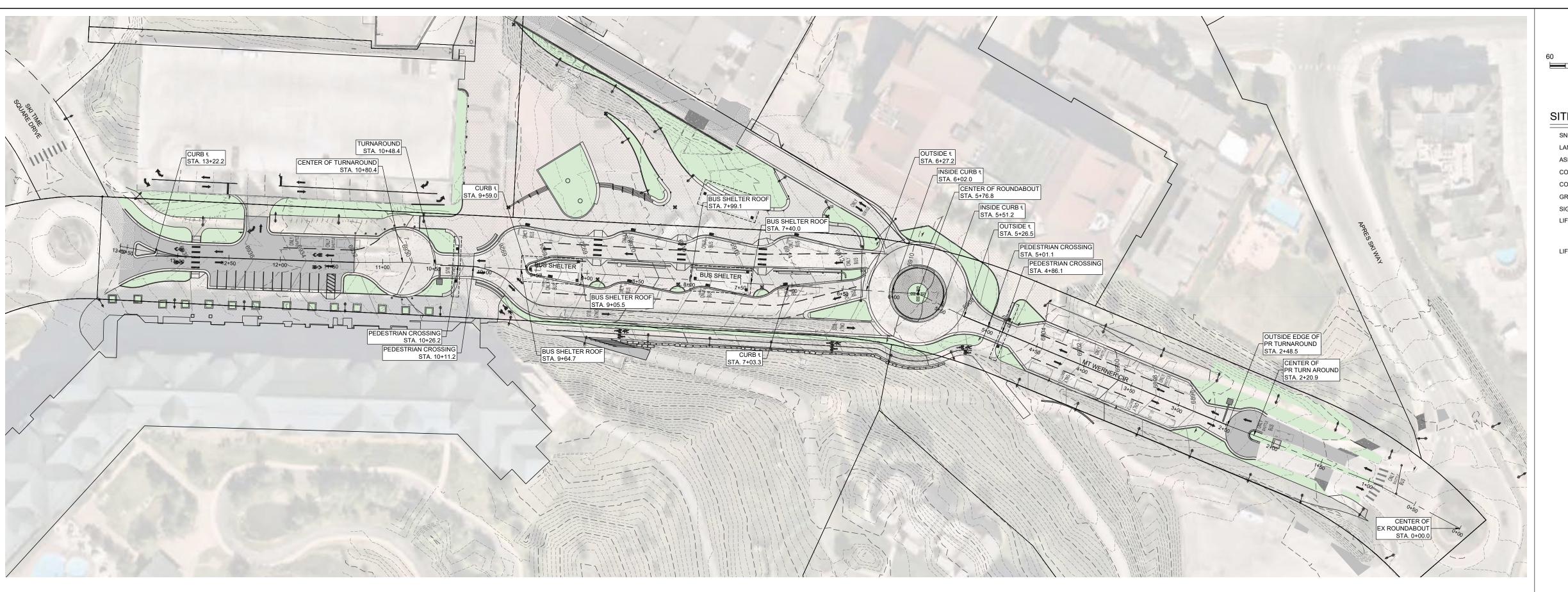
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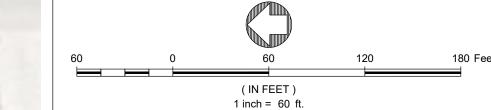
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100% SCHEMATIC DESIGN

TEMPORARY-PERMANENT EASEMENT PLAN

SHEET:





## SITE PLAN LEGEND:

SNOWMELTED PAVEMENT LANDSCAPE AREAS COLORED CONCRETE CONCRETE GRAVEL LIFT CABLES

LIFT TOWER AND GONDOLA CAR



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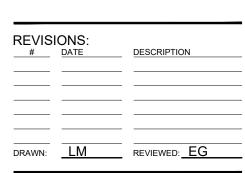
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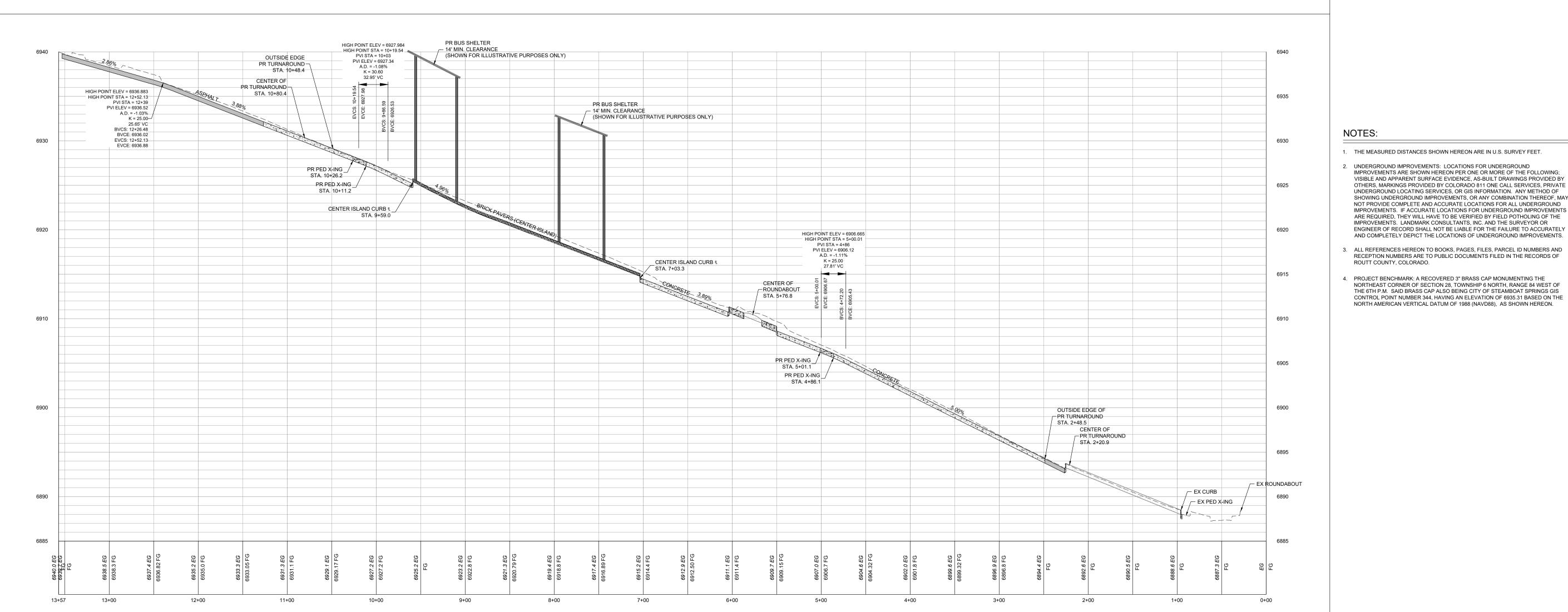
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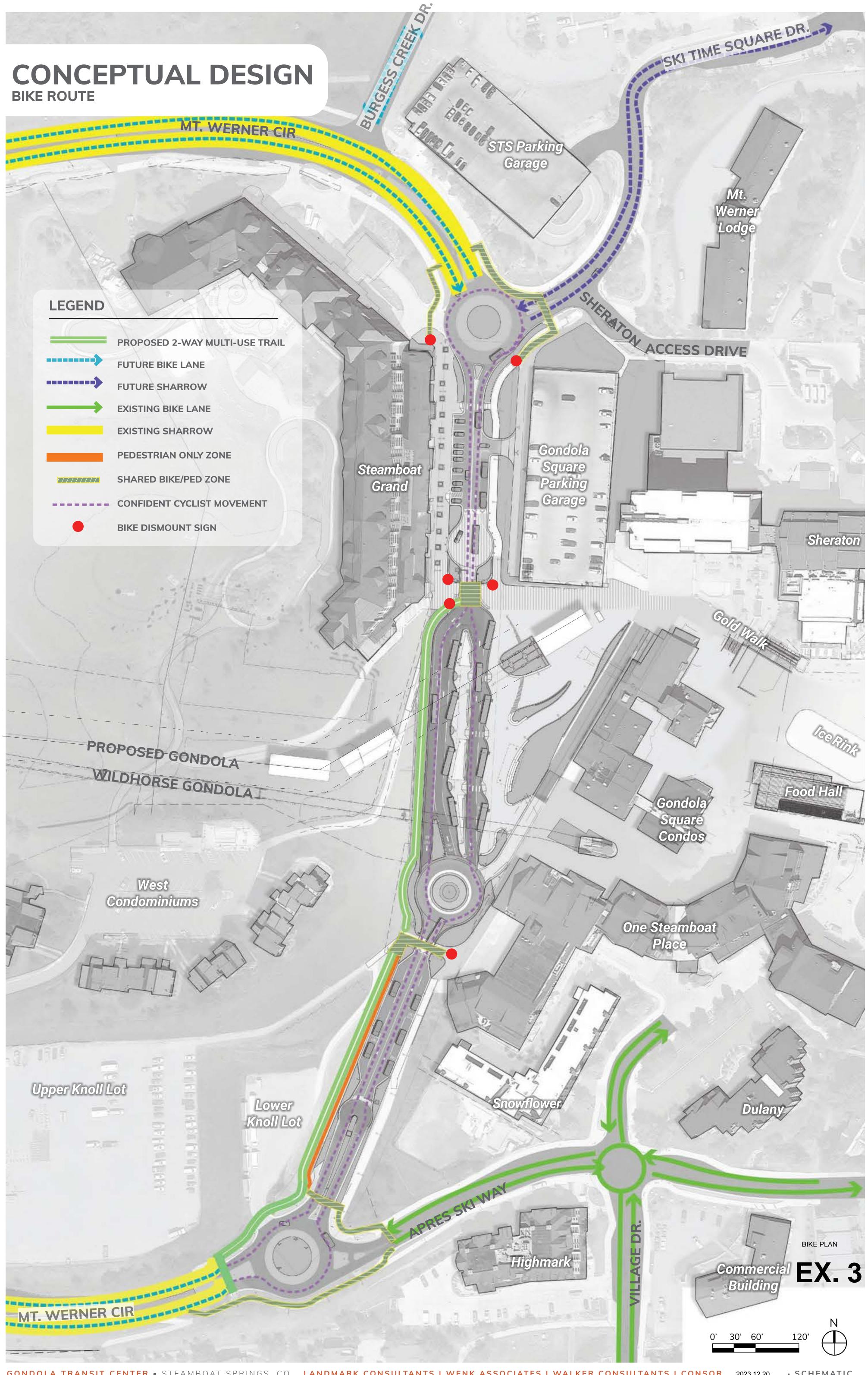
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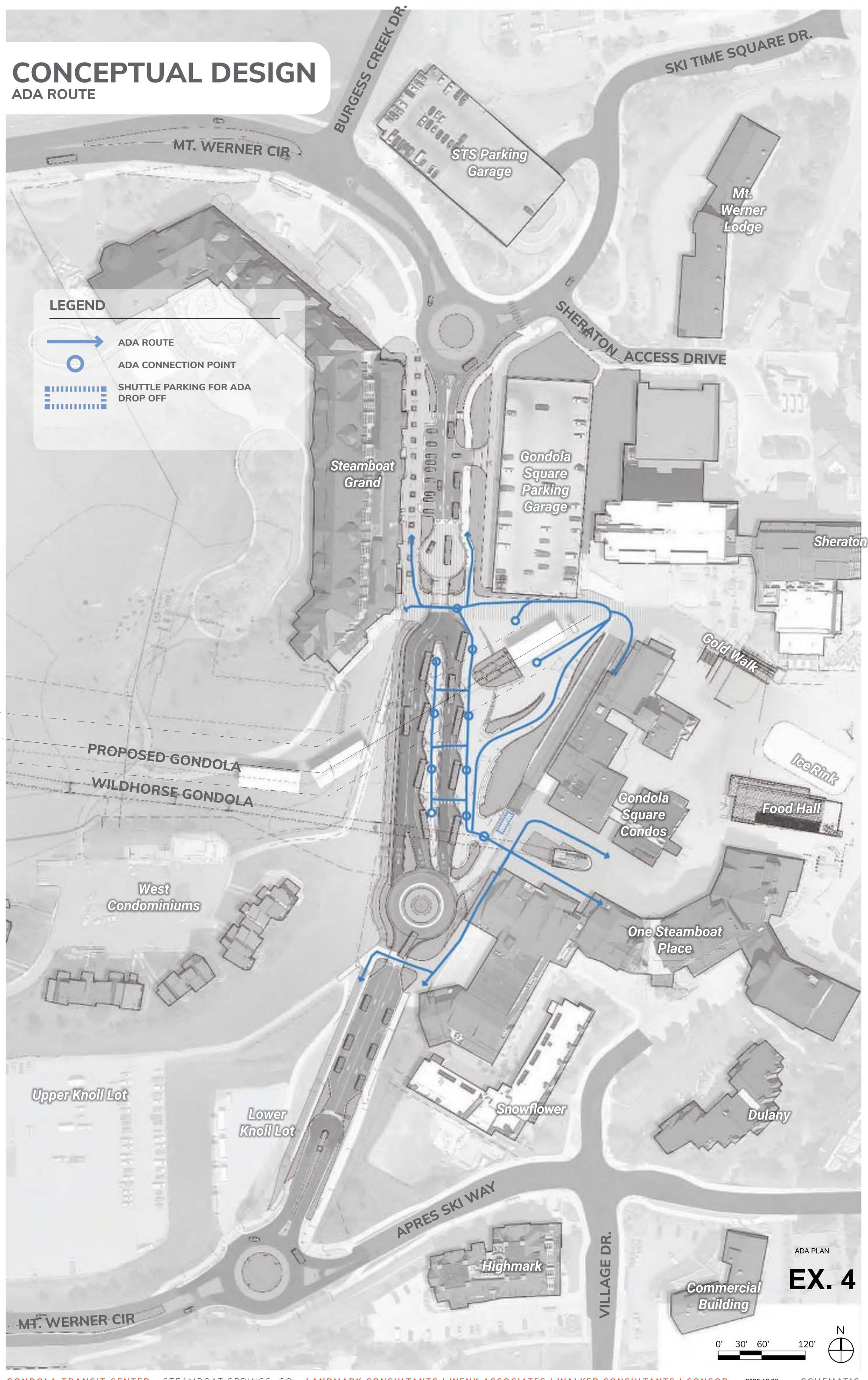
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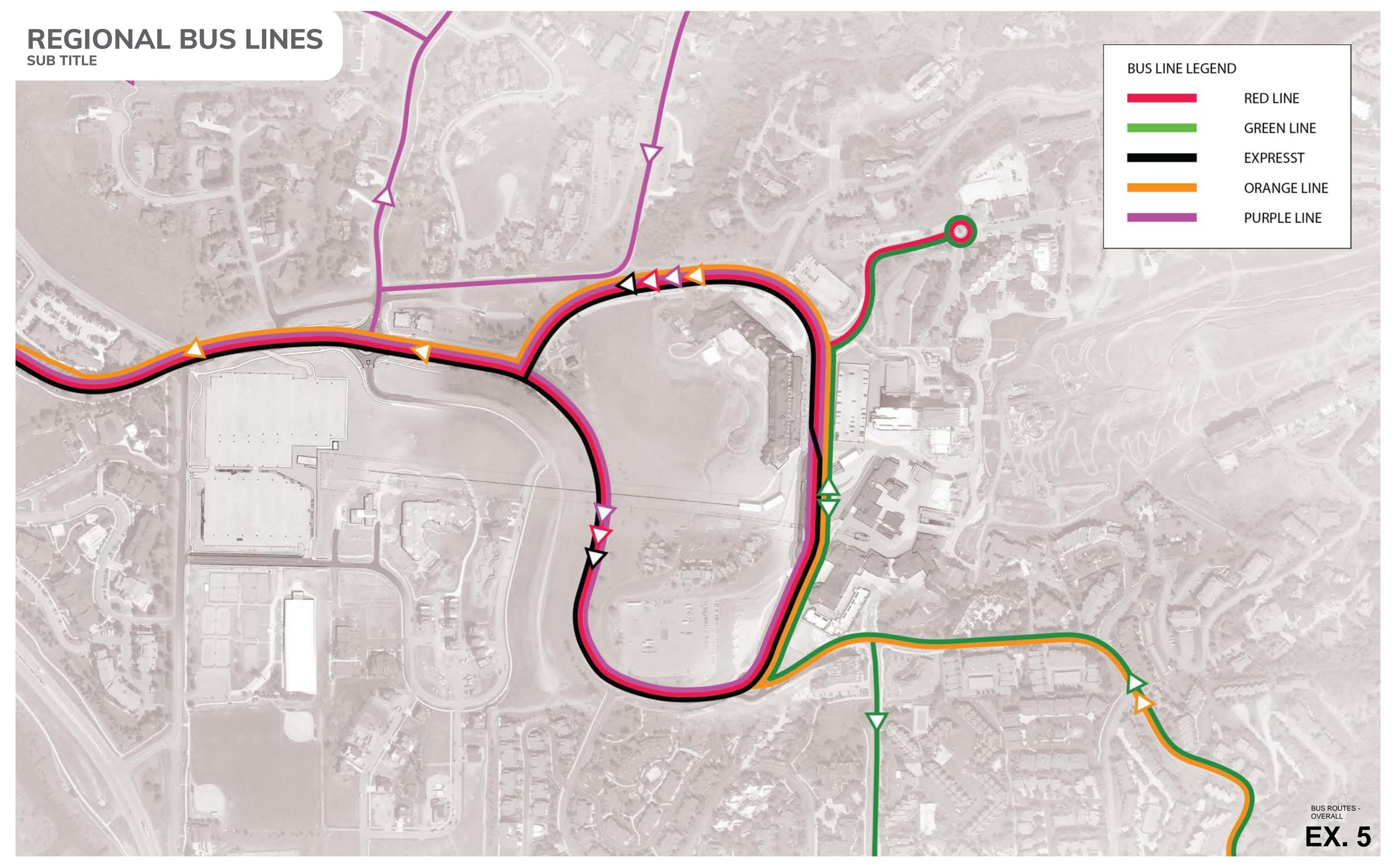
ROADWAY PLAN & PROFILE

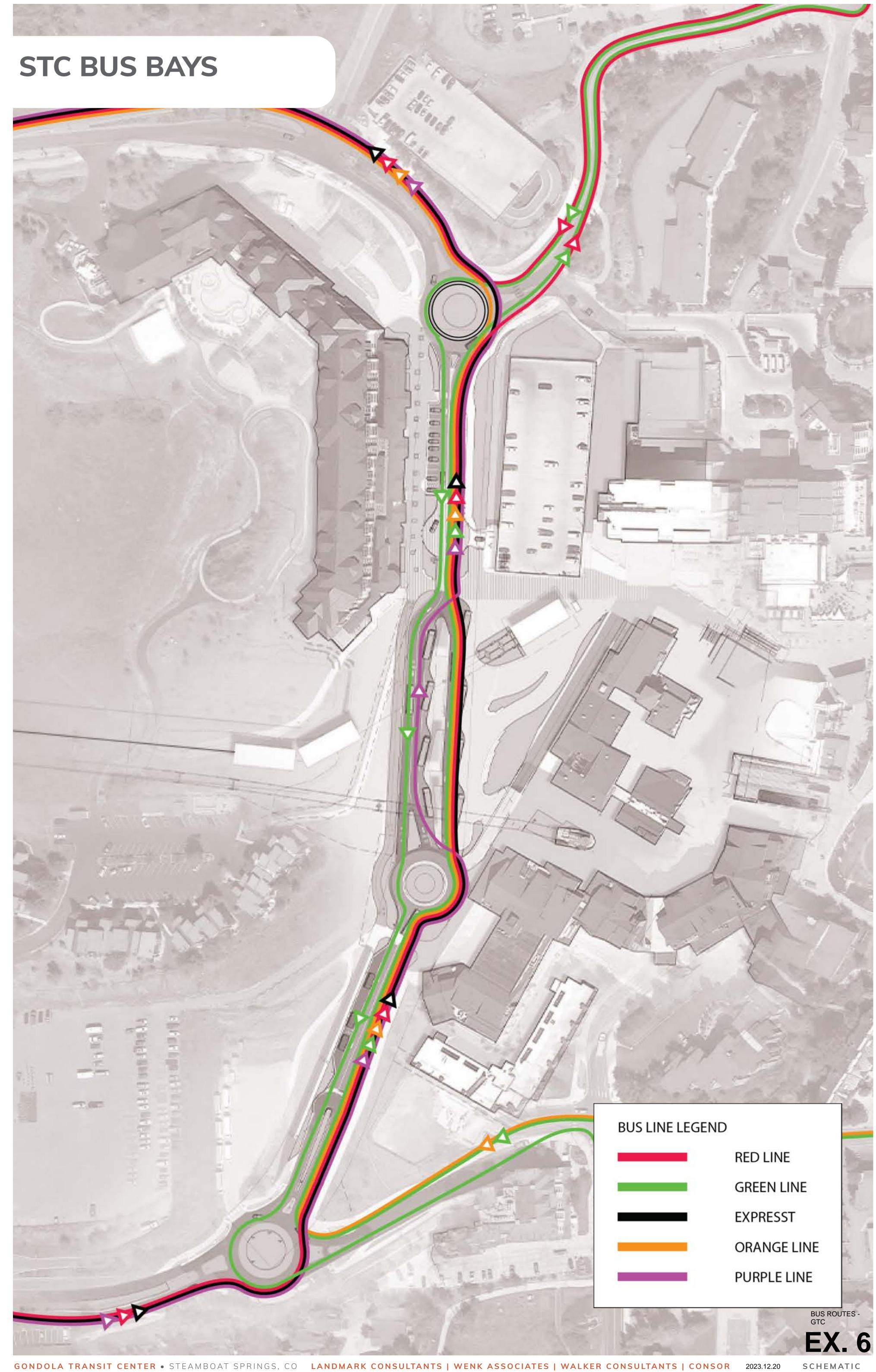


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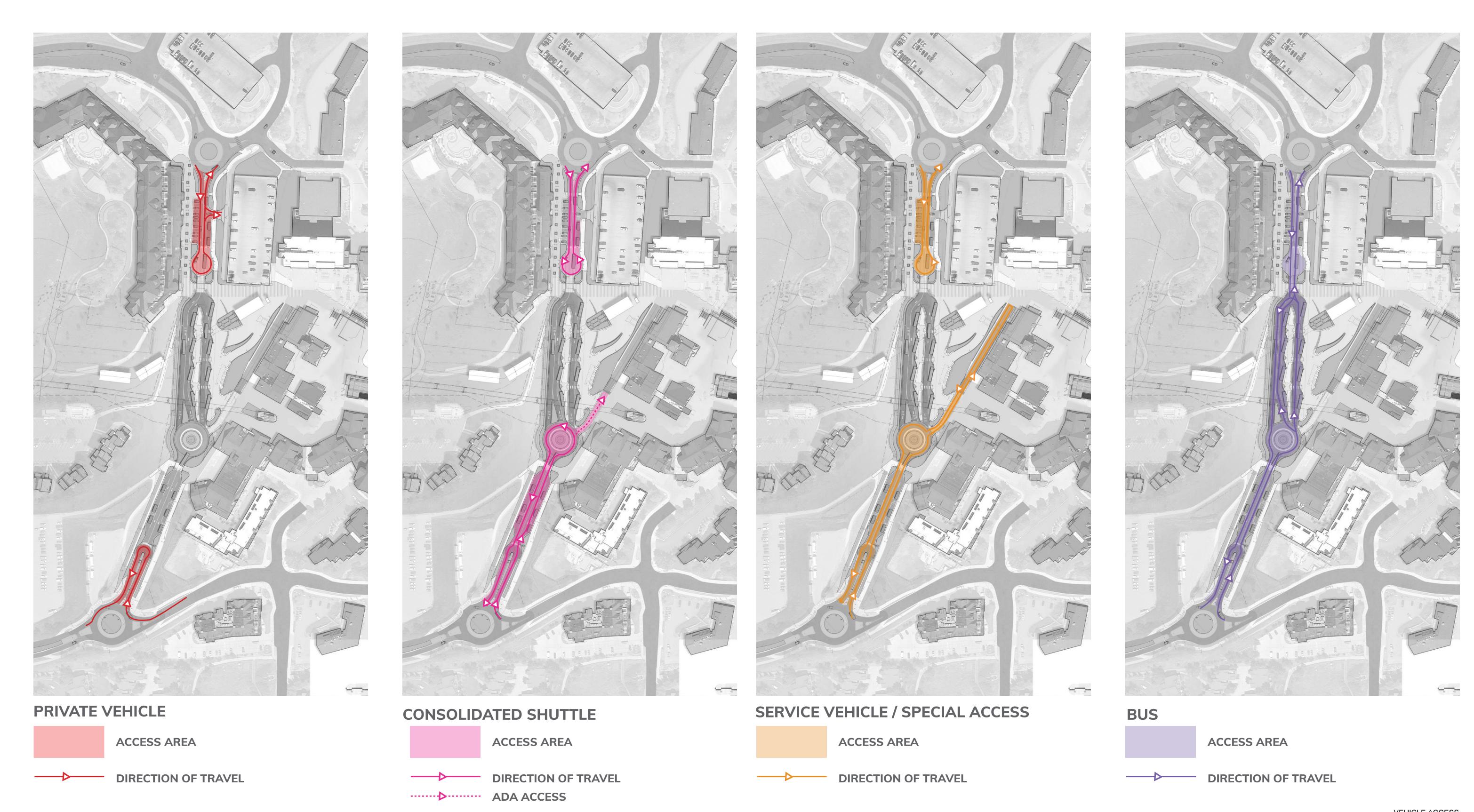






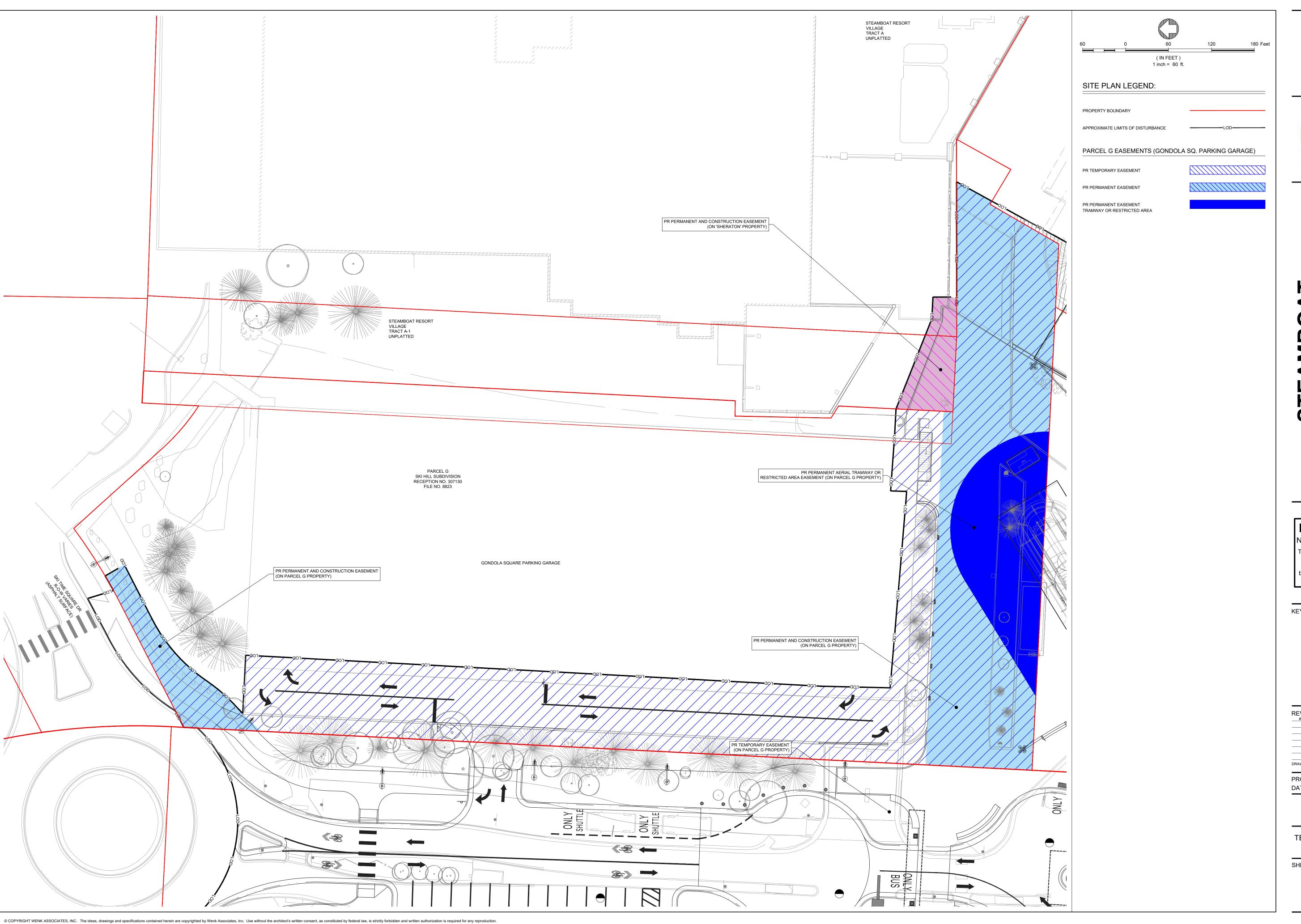


# VEHICLE ACCESS



VEHICLE ACCESS PLAN

EX. 7



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# 30NDOLA TRANSIT CENTER

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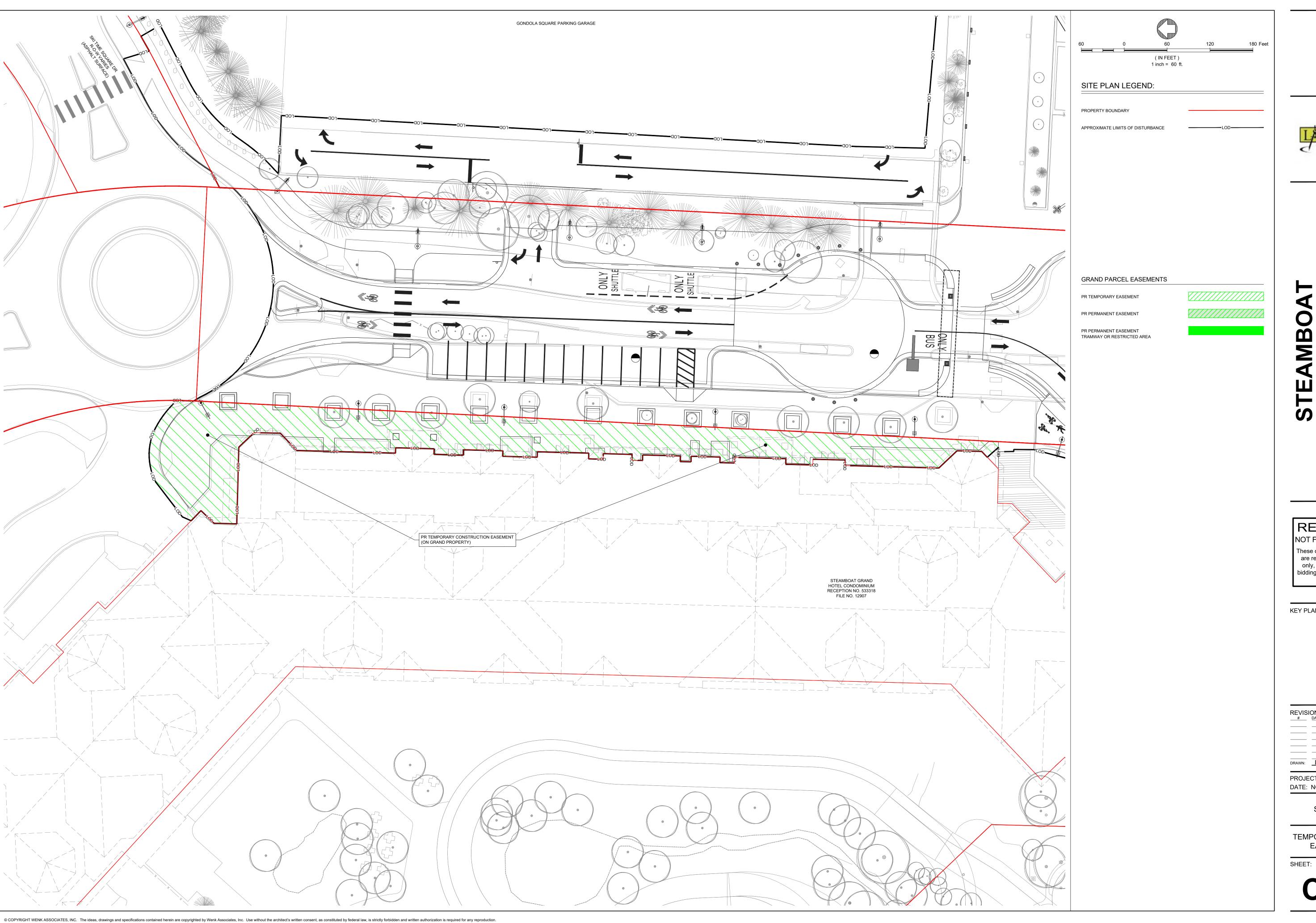
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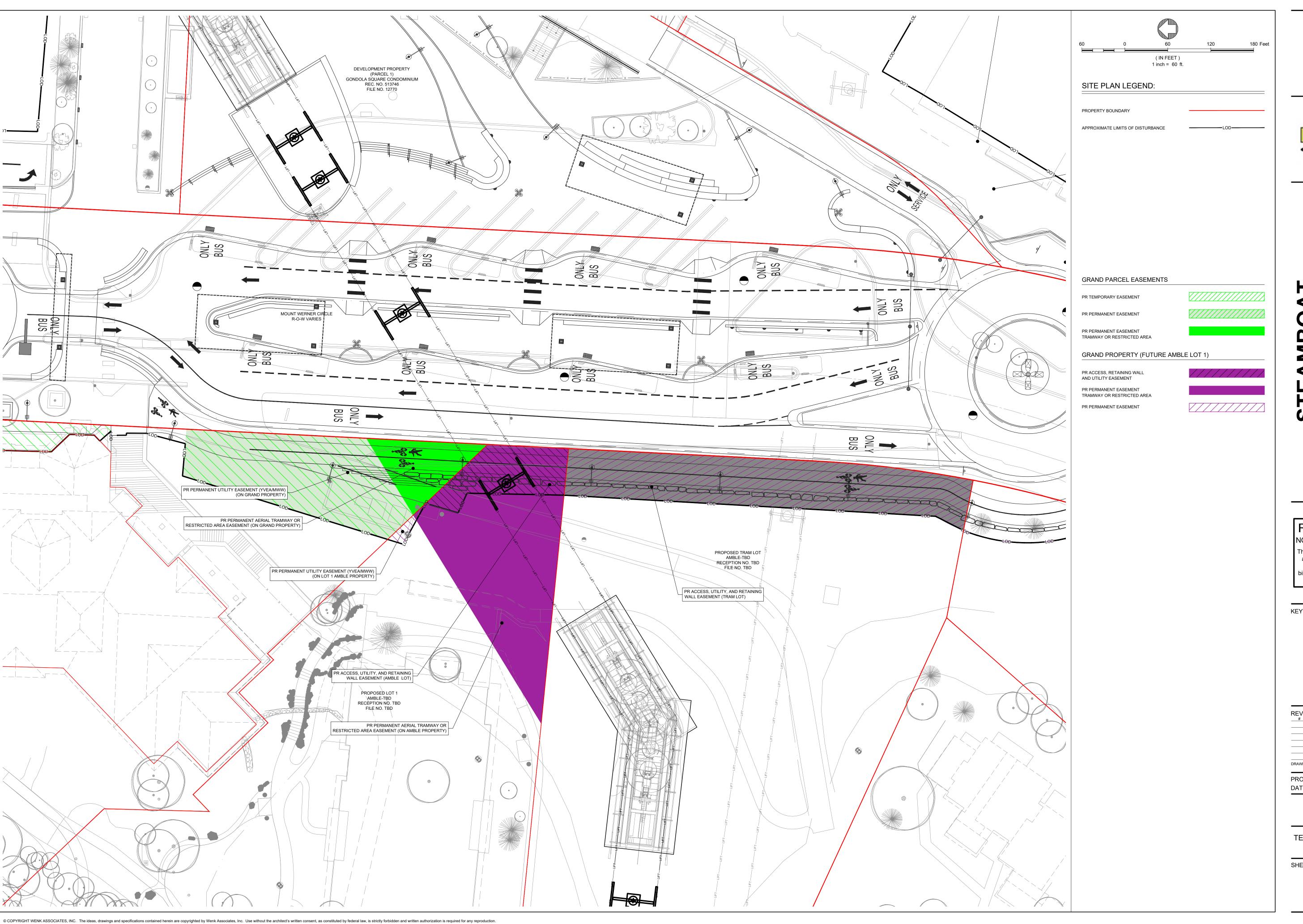
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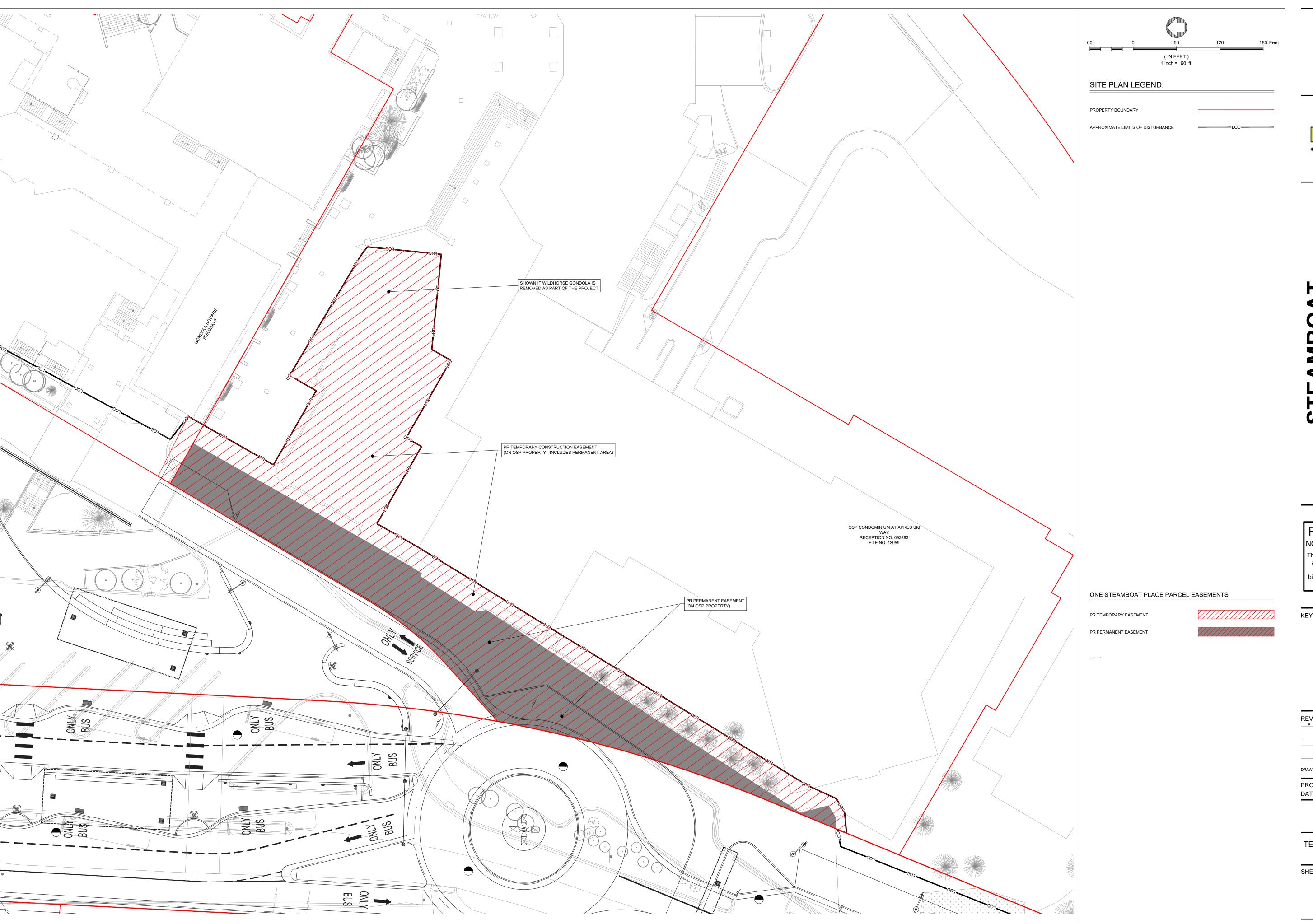
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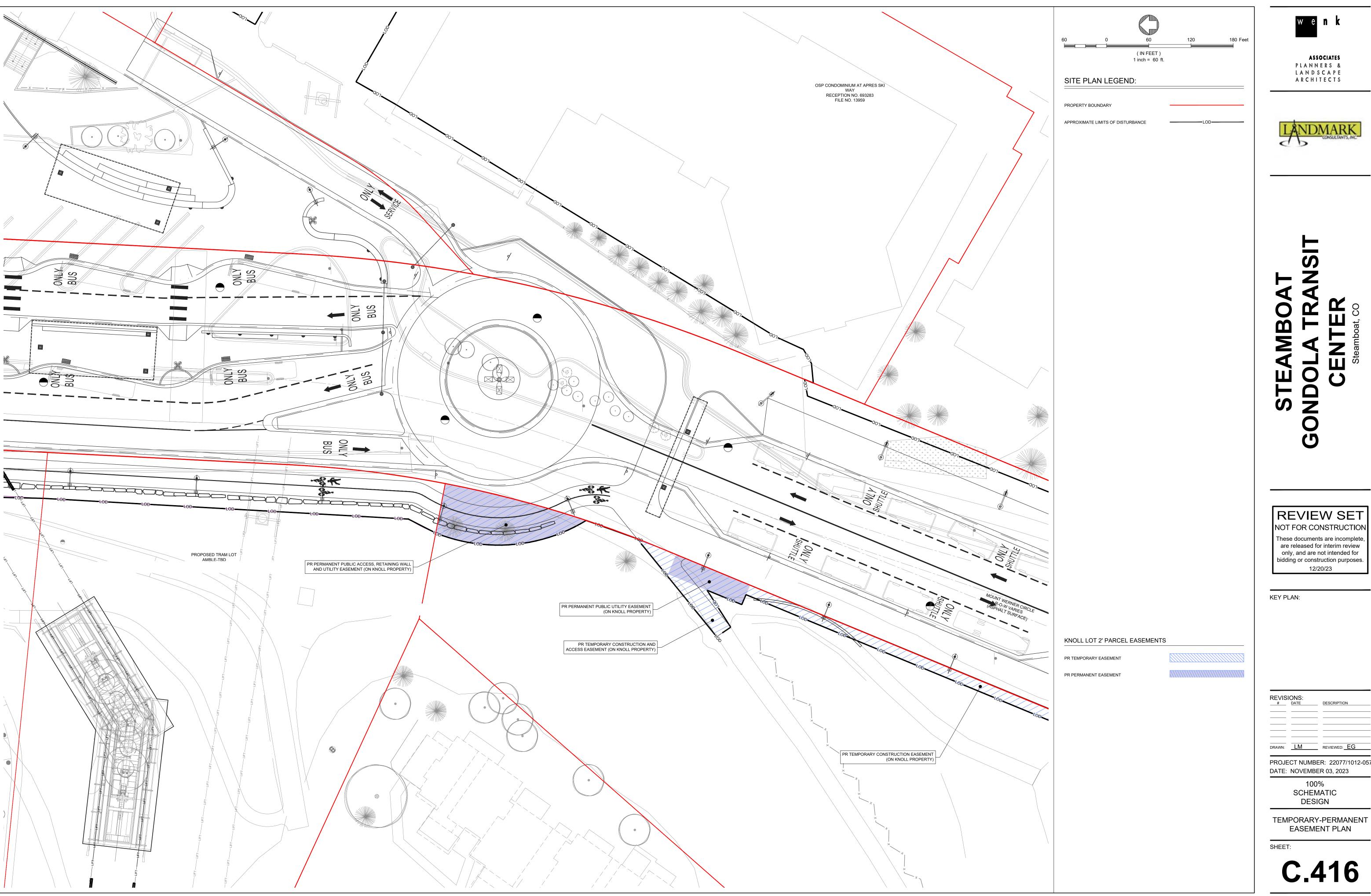
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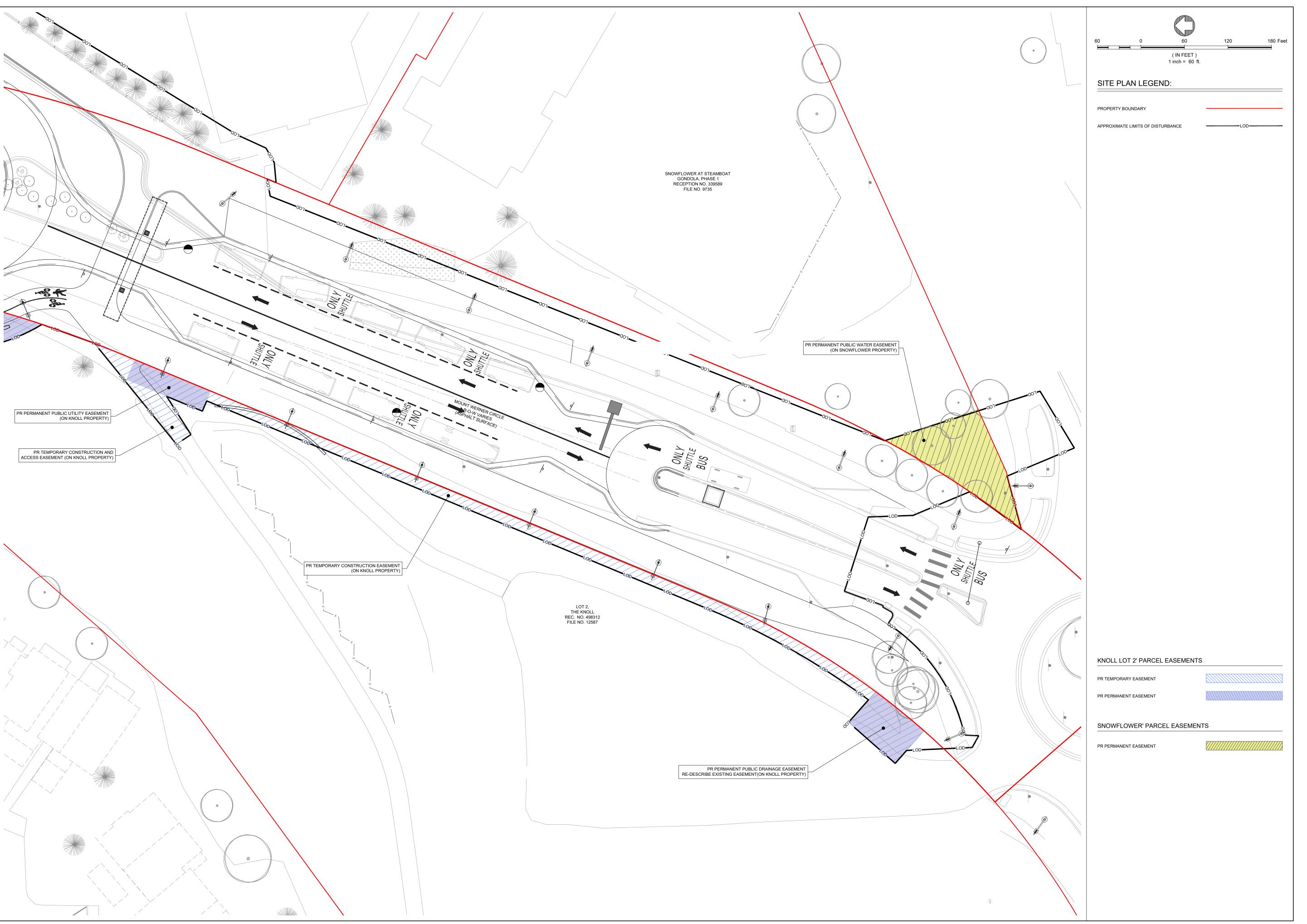
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# SONDOLA TRANSIT CENTER

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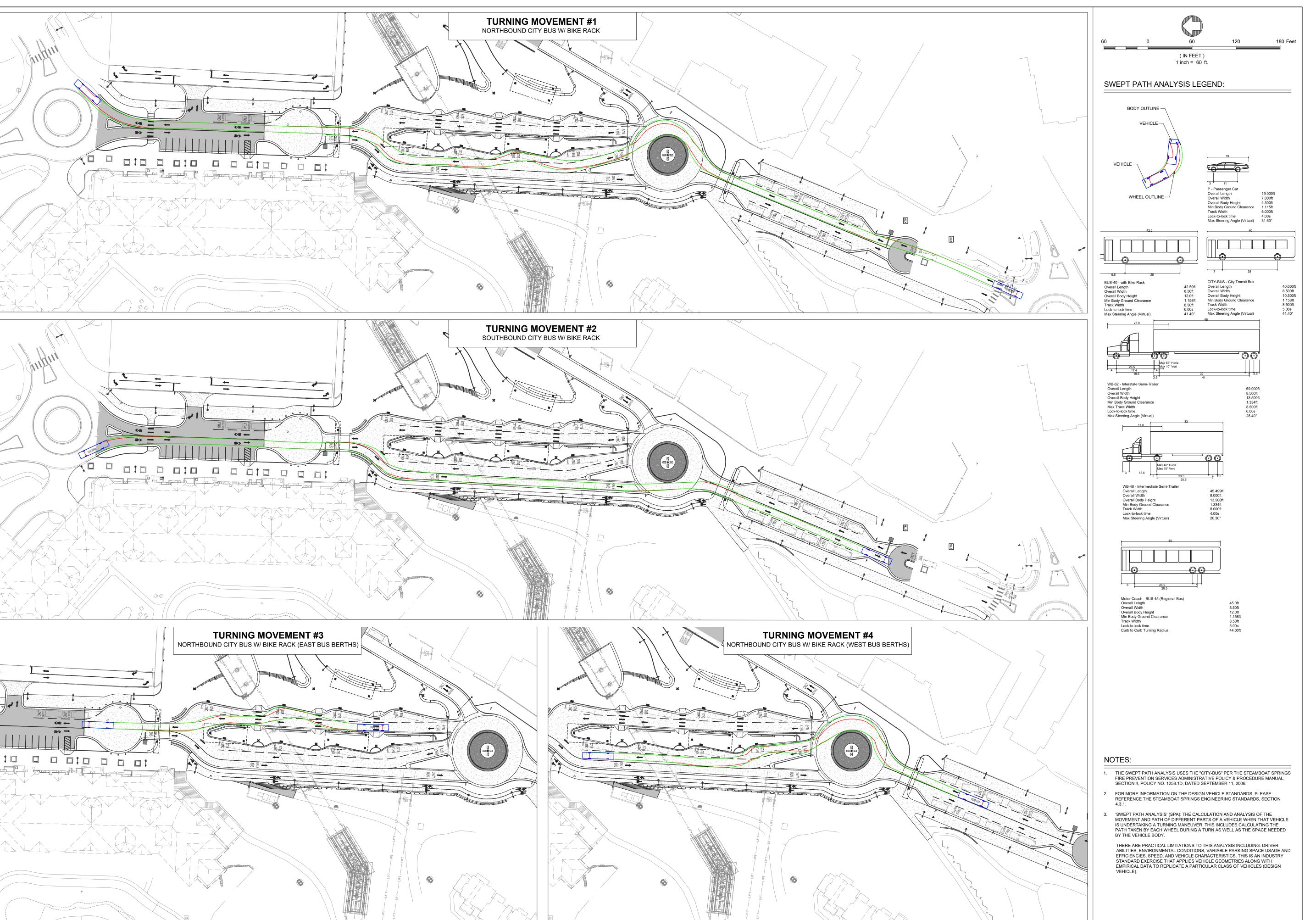
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# GONDOLA TRANSIT

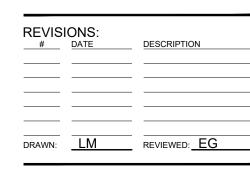
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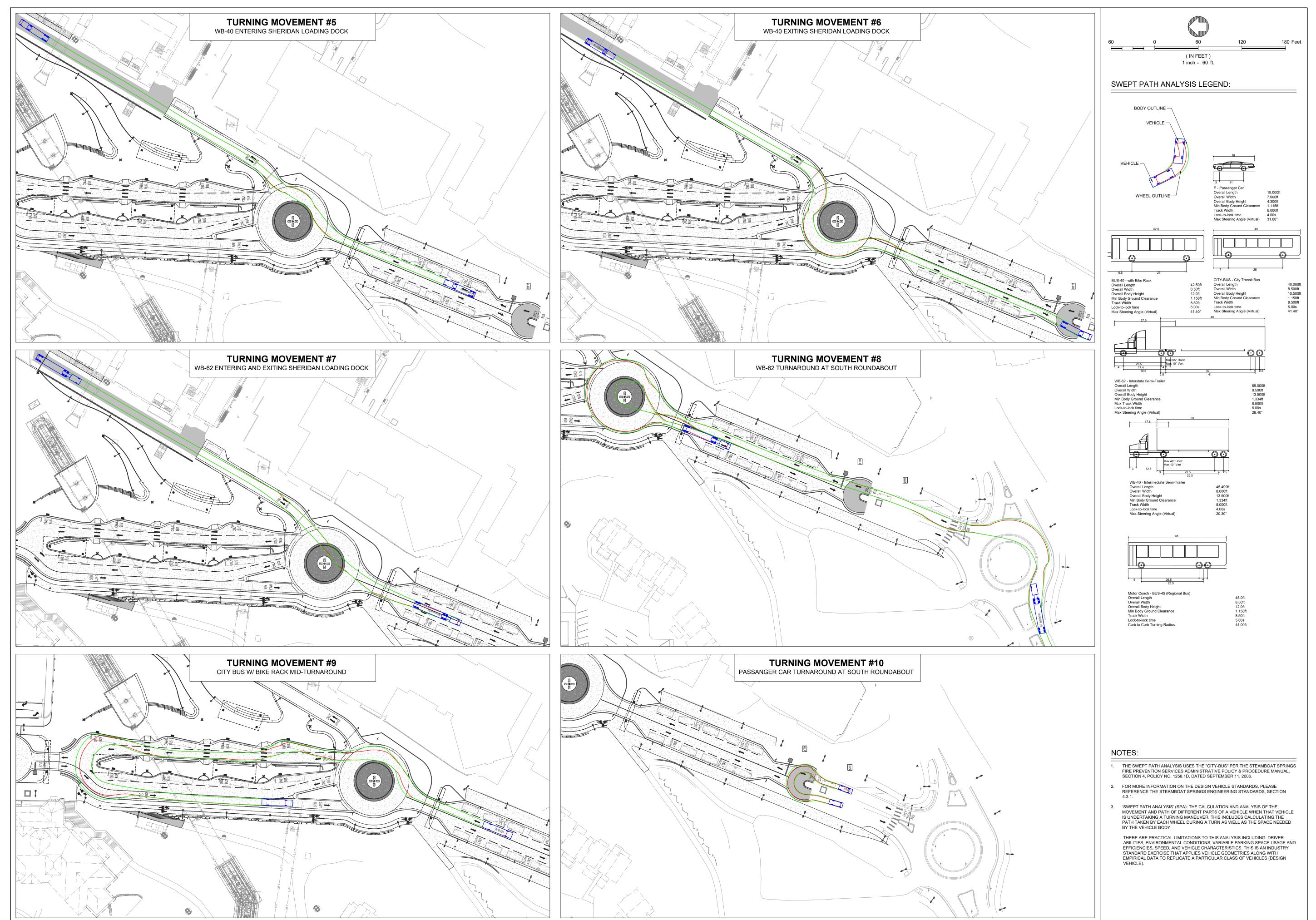
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DESIGN

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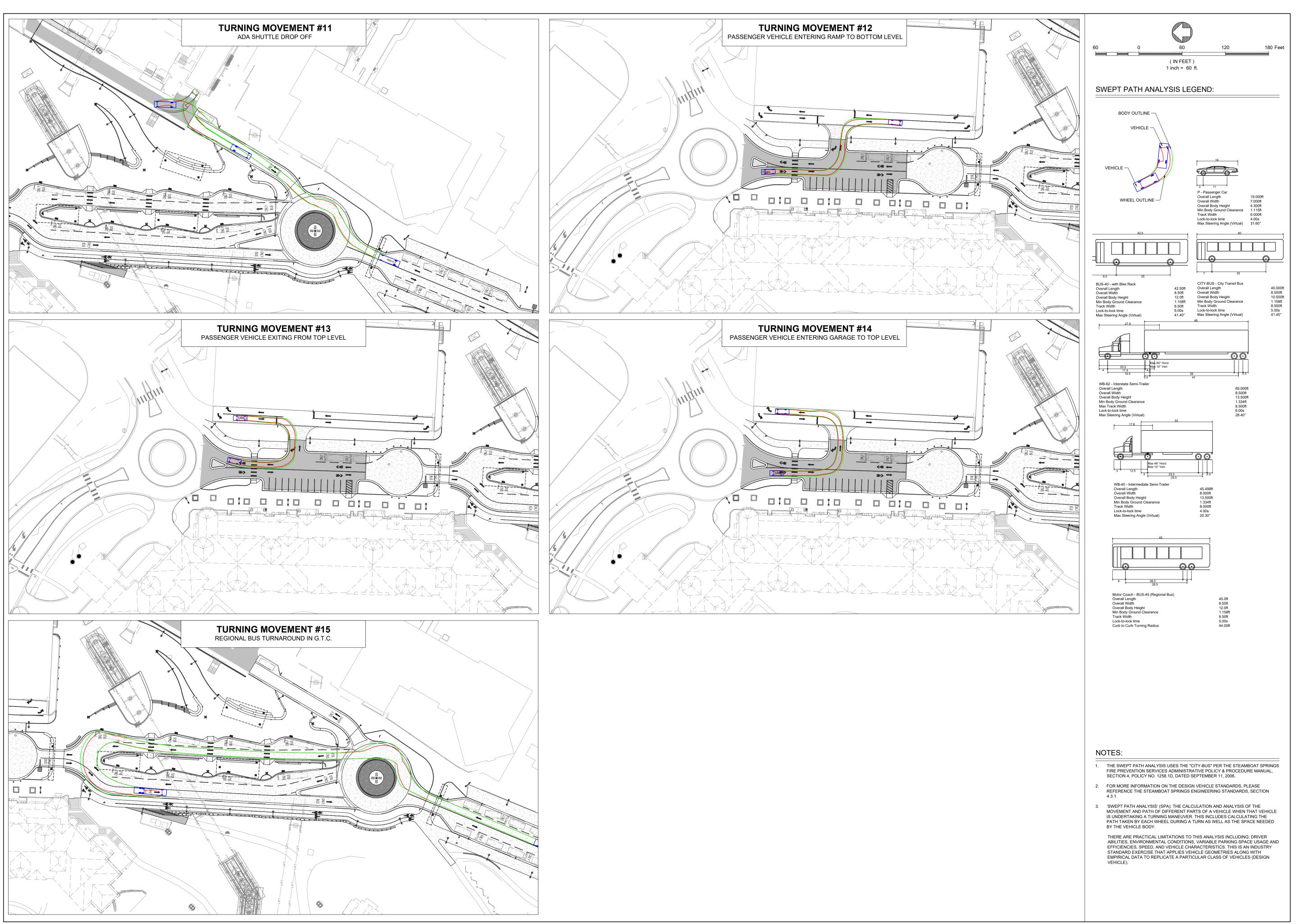
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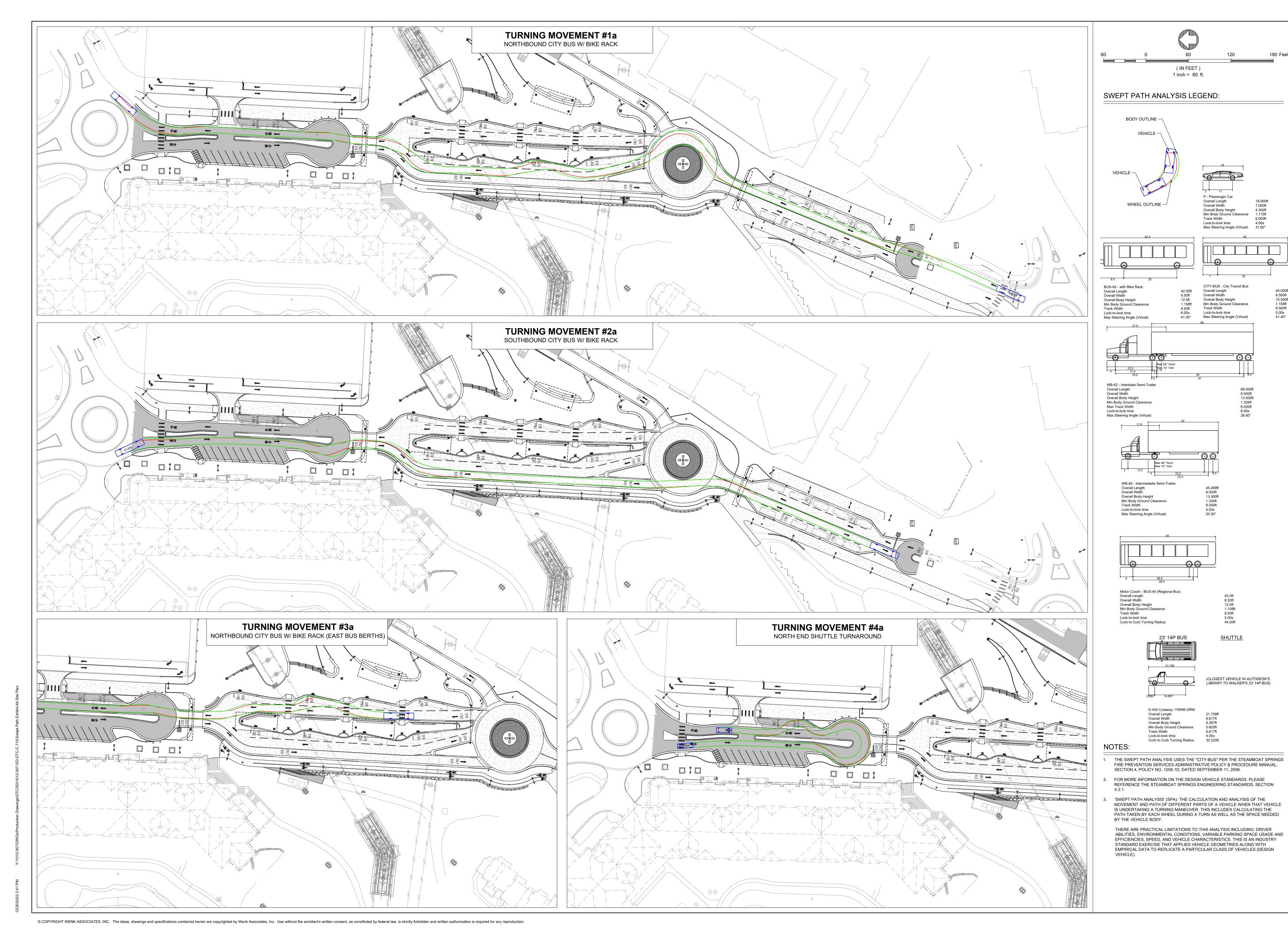
DATE: NOVEMBER 03, 2023

100%
SCHEMATIC

DESIGN

SWEPT PATH EXHIBIT

SHEET:





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CITY-BUS - City Transit Bus Overall Length Overall Width Overall Body Height

Lock-to-lock time Max Steering Angle (Virtual)

45.499ft 8.000ft 13.500ft 1.334ft 8.000ft 4.00s 20.30°

45.0ft 8.50ft 12.0ft 1.158ft 8.50ft 5.00s 44.00ft

SHUTTLE

(CLOSEST VEHICLE IN AUTODESK'S LIBRARY TO WALKER'S 23' 14P BUS)

40.000ft 8.500ft 10.500ft 1.158ft 8.500ft 5.00s 41.40°

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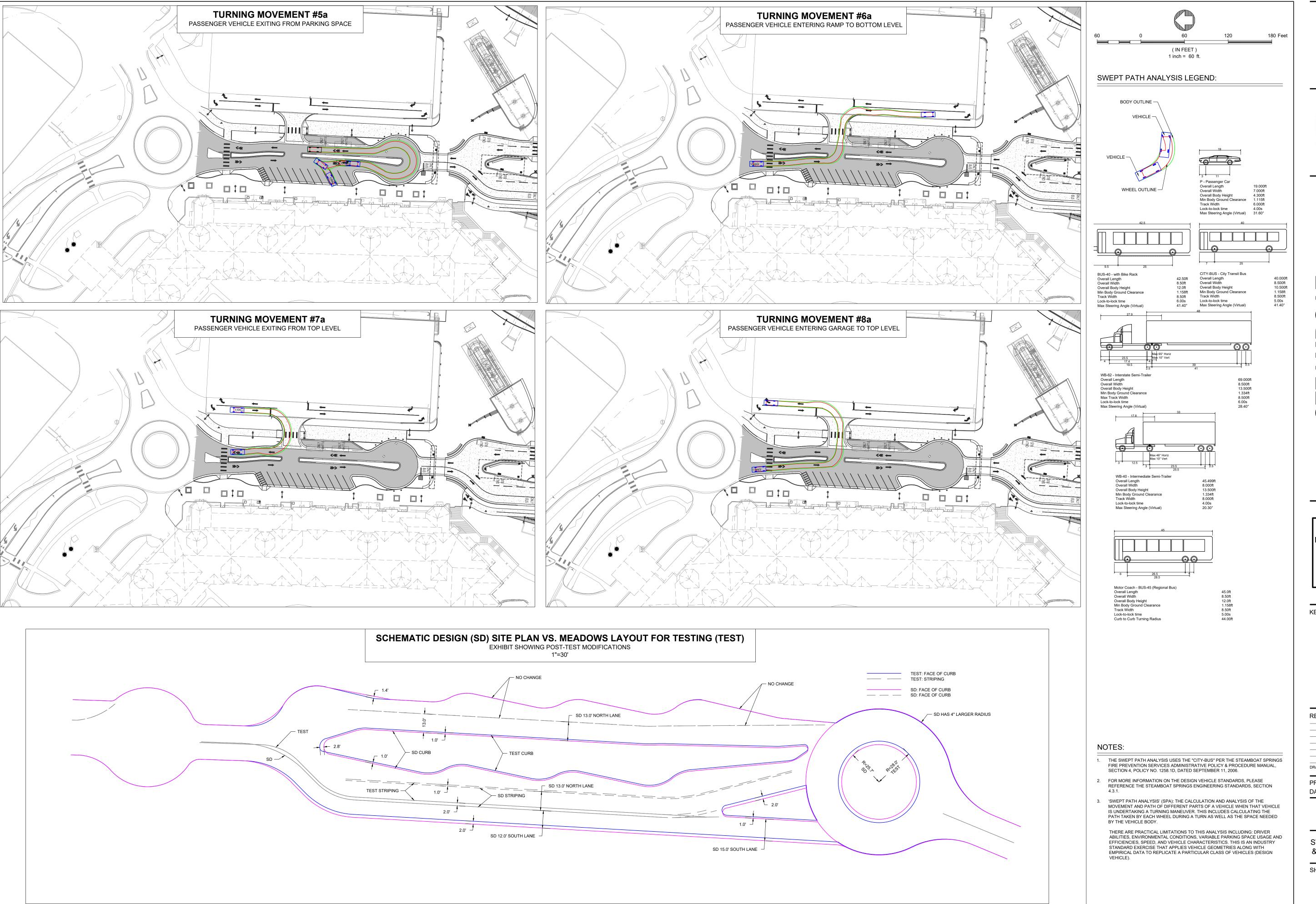
KEY PLAN:

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DRAWN: <u>LM</u>	REVIEWED: <u>EG</u>

PROJECT NUMBER: 22077/1012-057 DATE: NOVEMBER 03, 2023

SCHEMATIC DESIGN

SWEPT PATH EXHIBIT (ALT)



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SCHEMATIC DESIGN

SWEPT PATH EXHIBIT (ALT) & SITE PLAN COMPARISON