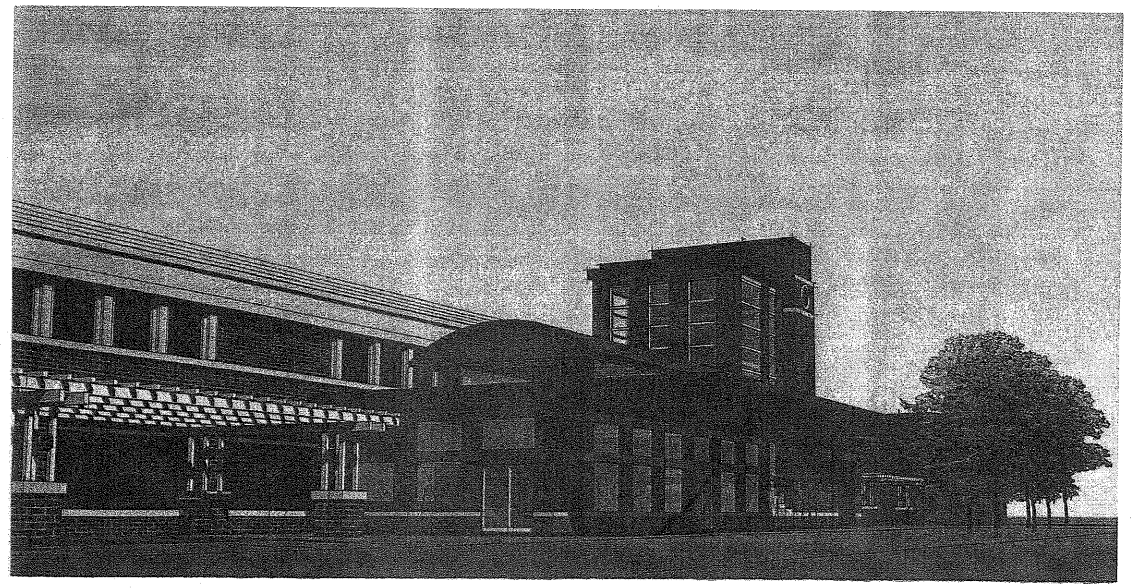
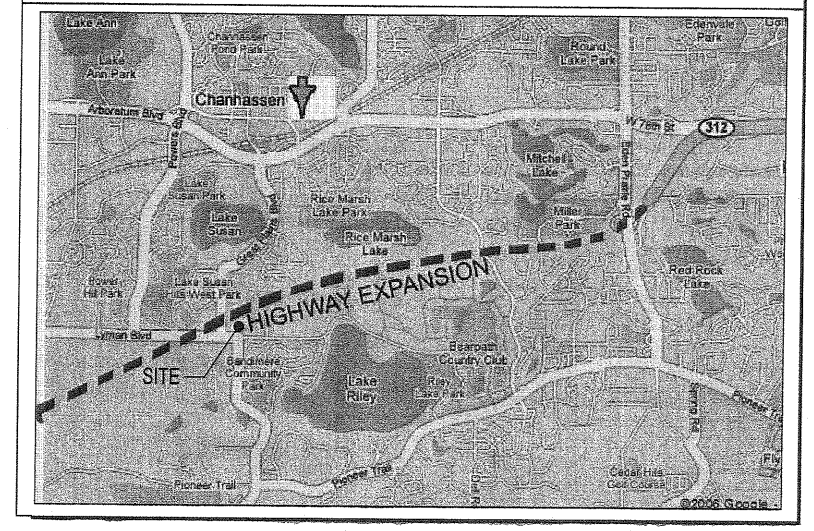


## LOCATION MAP




# SOUTHWEST VILLAGE TRANSIT CENTER

CHANHASSEN, MINNESOTA

## ISSUED FOR BIDDING

March 1st, 2007

STATE PROJECT NUMBER: 1017-15
STATE PROJECT NUMBER: 91-595-18
FEDERAL PROJECT NUMBER: CMAQ 1006 (153)

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

AGREEMENT NO. 87733
SOUTHWEST TRANSIT
SP 1017-15
BAPTA FUNDS
METRO DISTRICT

SIGNATURE BLOCK

APPROVED — SOUTHWEST TRANSIT — DATE 1-19-07

RECOMMENDED FOR APPROVAL — DISTRICT TRANSPORTATION ENGINEER — DATE 4-5-07

RECOMMENDED FOR APPROVAL — DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AND/OR FEDERAL RULES POLICY — DATE 4/5/07

RECOMMENDED FOR APPROVAL — APPROVED FOR FEDERAL AID FUNDING: STATE AID ENGINEER — DATE 4-5-07

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## PROJECT TEAM


**OWNER**
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SOUTHWEST TRANSIT

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Date: 3/01/07
William D. Hickey, AIA License #20111


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T-1

SOUTHWEST TRANSIT Village

| ITEM NUMBER | ITEM DESCRIPTION | UNIT | TOTAL ESTIMATED QUANTITY |
|---|---|---|---|
| 2100.601 | CONSTRUCT PARKING GARAGE | LUMP SUM | 1 |

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DUNHAM

SOUTHWEST VILLAGE TRANSIT CENTER

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 03-01-07 | ISSUED FOR BID |
| B | 11-28-06 | 95% MN-DOT SET |
| A | 11-13-06 | PRICING SET |
| △ | | = CLOUDED CHANGE |

ISSUE LOG

SOUTHWEST VILLAGE TRANSIT CENTER
SOUTHWEST VILLAGE
CHANHASSEN, MINNESOTA

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Date: 03-01-07

William D. Hickey, AIA License #20111

QUANTITY SHEET

| | |
|---|---|
| SCALE | AS NOTED |
| DRAWN BY | |
| CHECKED BY | |
| PROJ. ARCH. | MRL |
| PROJ. MGR. | WDH |
| JOB NO. | 06052.00 |

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T-2

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)

## GENERAL CIVIL NOTES

1. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA." THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING UTILITIES. ANY UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE UTILITY COMPANY'S STANDARDS AND REQUIREMENTS AND ALL ASSOCIATED REPAIR COSTS SHALL BE BORNE BY THE CONTRACTOR.

CALL GOPHER STATE ONE CALL AT 651-454-0002 (METRO AREA) OR 1-800-252-1166 (NON-METRO AREAS) AT LEAST 48 HOURS BEFORE DIGGING OR EXCAVATING.

2. ALL EXISTING TOPOGRAPHY OF THE SITE WAS OBTAINED FROM CONSTRUCTION DRAWINGS AND TOPOGRAPHIC SURVEYS PERFORMED BY OTHERS FOR USE IN THE DESIGN/BUILD 212 PROJECT. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, INVERTS, ELEVATIONS, LOCATIONS, AND CONDITIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL CONTACT THE CIVIL ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH THE WORK IF CONDITIONS ARE DISCOVERED TO BE INCONSISTENT WITH THOSE SHOWN.

3. COORDINATE ALL SITE CIVIL WORK WITH OTHER DISCIPLINE DRAWINGS. NOTIFY THE CIVIL ENGINEER OR ARCHITECT IF DISCREPANCIES ARE FOUND.

4. THE CONTRACTOR IS RESPONSIBLE FOR ALL SURVEY CONTROL AND CONSTRUCTION STAKING. CIVIL ENGINEER WILL PROVIDE CONTRACTOR WITH BENCH MARKS AND BASIS OF BEARING PRIOR TO CONSTRUCTION. ALTERNATIVELY, AN ELECTRONIC CAD FILE OF THE WORK MAY BE PROVIDED.

5. PROTECT ALL FEATURES NOT SPECIFICALLY INDICATED TO BE REMOVED UNLESS APPROVED BY THE CIVIL ENGINEER.

6. THE CONTRACTOR SHALL SUBMIT TO THE CIVIL ENGINEER ALL PRODUCT DATA AND SHOP DRAWINGS TO BE USED IN THE WORK.

7. EXISTING SITE INFRASTRUCTURE (PAVEMENT, UTILITIES, CURB AND GUTTER, ETC.) WAS RECENTLY COMPLETED AS PART OF MN/DOT'S DESIGN/BUILD (D/B) 212 PROJECT. THE WARRANTY PERIOD FOR THE EXISTING INFRASTRUCTURE WILL OVERLAP THE SOUTHWEST VILLAGE TRANSIT CENTER CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO PRESERVE AND PROTECT ALL FINISHED WORK PERFORMED BY THE D/B 212 CONTRACTOR. IF THE CONTRACTOR FAILS TO PRESERVE AND PROTECT ALL EXISTING INFRASTRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRING THE DAMAGED INFRASTRUCTURE TO THE OWNER'S REQUIREMENTS.

8. ON-SITE STAGING AND STORAGE AREAS FOR CONTRACTOR'S USE ARE SHOWN ON DRAWINGS. ALTERNATIVELY, CONTRACTOR MAY PROPOSE OTHER ON-SITE LOCATIONS FOR OWNER'S CONSIDERATION AND APPROVAL.

9. ALL SANITARY SEWER AND WATER SUPPLY WORK SHALL BE COORDINATED WITH THE CITY OF CHANHASSEN. CITY PERSONNEL (OR DESIGNATED REPRESENTATIVES) WILL OBSERVE CONSTRUCTION AND TESTING PROCEDURES TO ENSURE COMPLIANCE WITH THE CITY OF CHANHASSEN STANDARDS.

10. ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND SPECIFICATIONS.

11. GEOTECHNICAL EVALUATION REPORTS, INCLUDING SOIL BORINGS, WERE PERFORMED BY AMERICAN ENGINEERING TESTING, INC. (AET). CONTACT BILL CODY AT 952.361.3781, REF. AET JOB NOS. 01-02044 AND 01-02948.

12. ALL SITE CIVIL WORK SHALL BE CONSIDERED PART OF THE WORK ITEMIZED ON THE BID PROPOSAL. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR ANY SITE CIVIL WORK.

13. BITUMINOUS PAVING SHALL BE COORDINATED WITH PARKING STRUCTURE ERECTION TO MINIMIZE DAMAGE TO PAVING.

14. REFER TO SPECIFICATION SECTION 01230 - ALTERNATES FOR BIDDING INFORMATION.

## GOVERNING TECHNICAL SPECIFICATIONS

1. THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN UNLESS INDICATED OTHERWISE.

2. THE MARCH 2006 EDITION OF THE CITY OF CHANHASSEN "STANDARD SPECIFICATIONS AND DETAIL PLATES" SHALL GOVERN FOR SANITARY SEWER, STORM SEWER, AND WATER SUPPLY CONSTRUCTION. SPECIFICATIONS AND DETAIL PLATES ARE AVAILABLE AT THE CITY WEBSITE: WWW.CI.CHANHASSEN.MN.US

## EROSION CONTROL NOTES

1. REFER TO STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NOTES ON SHEET C2.0 FOR CONSTRUCTION REQUIREMENTS.

2. EXISTING AND CONSTRUCTED INLETS SHALL BE PROTECTED FOR THE DURATION OF ALL CONSTRUCTION.

## TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO, AND BE INSTALLED IN ACCORDANCE WITH, THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) AND PART VI "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUT."

2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY AND MAINTAINED BY THE CONTRACTOR. TEMPORARY TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THEY ARE NO LONGER NEEDED, AT WHICH TIME THEY SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR.

3. CONTRACTOR SHALL PROVIDE ALL TEMPORARY TRAFFIC CONTROL REQUIRED FOR THE WORK, EVEN WHEN SAID TEMPORARY TRAFFIC CONTROL IS NOT INDICATED ON THE DRAWINGS.

4. CONTRACTOR SHALL MAINTAIN STOP SIGNS, SPEED LIMIT SIGNS, STREET SIGNS, AND ALL INPLACE REGULATORY SIGNS AT ALL TIMES DURING CONSTRUCTION.

5. THE CONTRACTOR SHALL PLACE ADEQUATE PLASTIC DRUMS, WARNING SIGNS, AND BARRICADES WITHIN THE CONSTRUCTION ZONE TO PROTECT VEHICULAR TRAFFIC AND PEDESTRIAN TRAFFIC FROM CONSTRUCTION OPERATIONS. ADDITIONAL SIGNING MAY INCLUDE, BUT IS NOT LIMITED TO BUMP, DIP, LOOSE GRAVEL, ETC. THE NUMBER AND PLACEMENT OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE SEQUENCE OF THE CONTRACTORS OPERATIONS. TRAFFIC CONTROL DEVICES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.

6. BARRICADES SHALL BE TYPE III AND SHALL BE IN ACCORDANCE WITH MN/DOT STANDARD PLATE 8000I AND CONSTRUCTED OF LIGHT MATERIAL. THE ACTUAL NUMBER OF BARRICADES AT USED AT EACH LOCATION MAY VARY DEPENDING UPON THE SIZE OF BARRICADE USED, THE WIDTH OF ROAD CLOSURE, AND THE MOVEMENT OF LOCAL AND CONSTRUCTION TRAFFIC.

7. TYPE A (LOW INTENSITY) FLASHERS SHALL BE FURNISHED, INSTALLED, AND MAINTAINED ON TYPE III BARRICADES AND ADVANCED WARNING SIGNS WHEN USED AT NIGHT, TO IDENTIFY HAZARDS, OR AS REQUIRED ON THE TRAFFIC CONTROL PLAN. ADDITIONAL FLASHERS SHALL BE FURNISHED, INSTALLED, AND MAINTAINED ON SIGNS, BARRICADES, AND CHANNELIZERS AS NEEDED OR AS DIRECTED BY THE ENGINEER FOR TRAFFIC CONTROL THROUGH WORK ZONES WITHIN THE PROJECT LIMITS.

8. FLAGGING MAY BE REQUIRED WHEN WORK IS AT THE EDGE OF THE DRIVING LANE TO PROTECT TRAFFIC FROM EXCAVATION AND PAVING OPERATIONS. FLAGGING SHALL BE IN ACCORDANCE WITH THE PERTINENT LAYOUTS SHOWN IN PART VI OF THE CURRENT EDITION OF THE MNMUTCD AND FIELD MANUAL.

9. ALL SIGN POSTS USED FOR CONSTRUCTION SIGNS SHALL BE REMOVED AND THE SURROUNDING GROUND RETURNED TO IT'S ORIGINAL CONDITION UPON REMOVAL.

10. THE USE OF TEMPORARY ORANGE CONSTRUCTION FENCING MAY BE REQUIRED BY THE ENGINEER TO COMPLETELY CLOSE OFF ANY SPECIFIC WORK AREA.

11. CONTRACTOR SHALL MAINTAIN THE DRIVING SURFACES OPEN TO THE PUBLIC DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION OF DRIVING SURFACE CONDITIONS AND WILL REMEDY ANY UNSAFE CONDITIONS IMMEDIATELY. ANY CONSTRUCTION DEBRIS ON DRIVING SURFACES SHALL BE REMOVED BY SWEEPING AT THE END OF EACH CONSTRUCTION DAY AND AS REQESTED BY ENGINEER.

## LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| PROPERTY LINE | | |
| PROPERTY CORNER | | |
| UTILITY EASEMENT | | |
| ROADWAY CENTERLINE | 12 | 12 |
| MAJOR CONTOUR LINE | 920 | 920 |
| MINOR CONTOUR LINE | | |
| SPOT ELEVATION | x922.17 | x922.17 |
| GRADE SLOPE | 2.00% | 2.00% |
| SURFACE RUNOFF DIRECTION | | |
| PAVEMENT EDGE | | |
| CURB & GUTTER | | |
| C&G W/ REV. GUTTER | | |
| SIDEWALK/CONCRETE | | |
| PAVERS | | |
| BUILDING | | |
| BUILDING ENTRANCE | | |
| WATER MAIN & VALVE | W | W |
| WATER SERVICE & CURB STOP | | |
| HYDRANT, LEAD, & VALVE | | |
| SANITARY SEWER | | |
| SANITARY SERVICE | | |
| SANITARY MANHOLE | | |
| STORM SEWER | | |
| STORM CATCH BASIN | | |
| ROOF/FOUND. DRAIN | | |
| PERFORATED DRAIN | | |
| STREET LIGHT | | |
| CHAIN LINK FENCE | | |
| TREE LINE | | |
| CONIFEROUS TREE | | |
| SAWCUT | N.A. | |
| GRADE BREAK | N.A. | |
| CONSTRUCTION /GRADING LIMITS | N.A. | |
| SILT FENCE | N.A. | |

## UTILITY COMPANIES

CITY OF CHANHASSEN (WATER & SANITARY SEWER)
TEL. 952.227.1100 | 952.227.1300

MINNESOTA VALLEY ELECTRIC COOPERATIVE (ELECTRIC)
TEL. 952.492.2313 | 800.282.6832

CENTERPOINT ENERGY MINNESOTA GAS (NATURAL GAS)
TEL. 612.321.5426

QWEST CORPORATION (LOCAL TELEPHONE)
TEL. 612.321.5551

MEDIACOM (CABLE TV)
TEL. 952.472.8056

NO PRIVATE UTILITIES WILL BE AFFECTED BY THE PROJECT. ONLY WATER AND SANITARY SEWER CURRENTLY EXIST ON THE PROJECT SITE.

CALL BEFORE YOU DIG!!!!
**Gopher State One Call**
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

## CITY OF CHANHASSEN STANDARD DETAIL PLATES

THE STANDARD PLATES INCLUDED IN THIS TABLE SHALL APPLY TO THIS PROJECT.

| PLATE NO. | DESCRIPTION |
|---|---|
| 1002 | CONCRETE THRUST BLOCKING |
| 1005 | TYPICAL WATER SERVICE |
| 1006 | GATE VALVE AND BOX INSTALLATION |
| 2001 | TYPICAL SANITARY SEWER SERVICE |
| 2101 | STANDARD MANHOLE (SANITARY) |
| 2109 | I&I BARRIER |
| 2110 | MANHOLE CASTING & ADJUSTING DETAIL |
| 2201 | PIPE BEDDING IN POOR SOILS |
| 2202 | PIPE BEDDING, GOOD SOILS, RCP & DIP |
| 2203 | PIPE BEDDING – PVC & ABS |
| 2205 | INSULATION DETAIL |
| 3102 | CATCH BASIN MANHOLE |
| 3106 | CURB CONSTRUCTION AT CATCH BASIN |
| 5203 | TYPICAL CURB & GUTTER |
| 5206 | CONCRETE VALLEY GUTTER |
| 5207 | CONCRETE DRIVEWAY APRON |
| 5214 | CONCRETE SIDEWALK |
| 5215 | PEDESTRIAN CURB RAMP |
| 5217 | STREET & TRAFFIC SIGN INSTALLATION |
| 5232 | 4" SUB-SURFACE DRAIN TILE |
| 5234 | SUB-SURFACE DRAIN TILE CLEANOUT |
| 5300 | SILT FENCE |
| 5301 | ROCK CONSTRUCTION ENTRANCE |
| 5302 | OFF ROAD CATCH BASIN FILTER BARRIER |
| 5302A | CATCH BASIN SEDIMENT TRAP |

## ABBREVIATIONS

| | |
|---|---|
| BC | BOTTOM OF CURB |
| BIT | BITUMINOUS |
| C&G | CURB & GUTTER |
| CB | CATCH BASIN |
| CL | CLASS |
| CONC | CONCRETE |
| CONST | CONSTRUCTION |
| DWGS | DRAWINGS |
| EXIST | EXISTING |
| FF | FINISHED FLOOR ELEVATION |
| FLR | FLOOR |
| HP | HIGH POINT |
| IE | INVERT ELEVATION |
| LP | LOW POINT |
| MH | MANHOLE |
| MOD | MODIFIED |
| MN/DOT | MINNESOTA DEPT. OF TRANSPORTATION |
| PVC | POLYVINYL CHLORIDE |
| PVMT | PAVEMENT |
| RCP | REINFORCED CONCRETE PIPE |
| REV | REVERSE |
| RIM | RIM ELEVATION OF CASTING |
| SAN | SANITARY |
| SERV | SERVICE |
| STM | STORM |
| SCH | SCHEDULE |
| SP | SPECIAL PROVISION |
| TC | TOP OF CURB ELEVATION |
| TYP | TYPICAL |


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FAX 612/338-2088
http://www.LHBcorp.com


SOUTHWEST VILLAGE TRANSIT CENTER

| NO. | DATE | DESCRIPTION |
|---|---|---|
| 0 | 03-01-07 | ISSUED FOR BID |
| △ | | = CLOUDED CHANGE |

ISSUE LOG

**SOUTHWEST VILLAGE TRANSIT CENTER**
SOUTHWEST VILLAGE
CHANHASSEN, MINNESOTA

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE:
TYPED OR PRINTED NAME: NICHOLAS D. DEBAR
DATE: 03.01.2007 REG. NO.: 40857

CIVIL INFORMATION SHEET

| | |
|---|---|
| SCALE | NONE |
| DRAWN BY | NDD |
| DESIGNED BY | NDD |
| CHECKED BY | LHB |
| LHB PROJ. NO. | 04417.32 |
| CDG JOB NO. | 06052.00 |

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C1.0

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)

## STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE EROSION, SEDIMENT, AND POLLUTION CONTROL REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES BEFORE, DURING, & AFTER CONSTRUCTION UNTIL CONSTRUCTION OF BUILDINGS AND PAVEMENTS IS COMPLETE AND VIGOROUS VEGETATIVE GROWTH IS ESTABLISHED IN OTHER AREAS DISTURBED BY CONSTRUCTION (I.E., FINAL STABILIZATION). DO NOT BEGIN CONSTRUCTION OPERATIONS UNTIL APPROPRIATE MEASURES ARE IN PLACE TO MEET THESE REQUIREMENTS.

2. AN NPDES PERMIT IS REQUIRED FOR THIS PROJECT.

a. BY SIGNING THE BID PROPOSAL OR CONTRACT, THE CONTRACTOR IS A CO-PERMITTEE WITH THE OWNER TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) GENERAL PERMIT MN R100001, TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY. THIS PERMIT ESTABLISHES CONDITIONS FOR DISCHARGING STORM WATER TO WATERS OF THE STATE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF TOTAL LAND AREA. CONTACT THE MPCA AT 651-297-1457 OR THEIR WEBSITE AT www.pca.state.mn.us/water/stormwater/stormwater-c.html TO OBTAIN A COPY OF THE PERMIT AND APPLICATION FORMS.

b. THE CONTRACTOR WILL COMPLETE THE APPLICATION, PAY THE APPROPRIATE FEE, AND SUBMIT BOTH TO THE MPCA. NO CONSTRUCTION CAN BEGIN UNTIL 7 DAYS AFTER THE POSTMARKED DATE OF THE COMPLETED APPLICATION AND FEE SUBMITTAL TO THE MPCA.

c. THE MPCA WILL ISSUE A "COVERAGE LETTER" TO ACKNOWLEDGE PERMIT COVERAGE. COPIES TO BE GIVEN TO OWNER, CONTRACTOR, AND ENGINEER.

d. AFTER CONSTRUCTION IS COMPLETE AND SITE HAS ESTABLISHED "FINAL STABILIZATION" ACCORDING TO THE PERMIT REQUIREMENTS, SUBMIT "NOTICE OF TERMINATION" TO THE MPCA. COPY THE OWNER AND ENGINEER.

e. APPLICABLE PORTIONS OF THE PLANS AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS MAY FUNCTION AS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIRED BY THE PERMIT. ASSUME RESPONSIBILITY FOR REVIEWING AND ACCEPTING OR MODIFYING THE DOCUMENTS, AND, FOR IMPLEMENTING AND OVERSEEING THE SWPPP, AND THE INSTALLATION, INSPECTION AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) BEFORE, DURING, & AFTER CONSTRUCTION UNTIL CONSTRUCTION OF BUILDINGS AND PAVEMENTS IS COMPLETE AND VIGOROUS VEGETATIVE GROWTH IS ESTABLISHED IN AREAS DISTURBED BY CONSTRUCTION (I.E., FINAL STABILIZATION). OBTAIN APPROVAL OF ENGINEER FOR ANY CHANGES PROPOSED TO THE DOCUMENTS THAT AFFECT THE FINAL CONSTRUCTION.

f. THE START OF WORK CONSTITUTES THAT THE APPLICATION HAS BEEN POSTMARKED FOR AT LEAST 7 DAYS AND THAT THE CONTRACTOR HAS ASSUMED RESPONSIBILITY FOR COMPLYING WITH THE PERMIT REQUIREMENTS.

3. PERSON RESPONSIBLE TO OVERSEE BMP IMPLEMENTATION:

AS DESIGNATED BY THE GENERAL CONTRACTOR:

_____

4. PERSON WHO WILL BE RESPONSIBLE FOR LONG TERM OPERATION & MAINTENANCE OF PERMANENT STORM WATER MANAGEMENT SYSTEM:

AS DESIGNATED BY OWNER:

_____

## SWPPP NOTES (CONTINUED):

5. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF CONSTRUCTING A PARK AND RIDE TRANSIT CENTER, INCLUDING A TWO-STORY PARKING STRUCTURE, TRANSIT STATION, PARKING LOT, ACCESS ROAD, AND PLAZA AREAS. THE PROPOSED PROJECT WILL DISTURB APPROXIMATELY 3.20 ACRES AND ADD APPROXIMATELY 2.87 ACRES OF NEW IMPERVIOUS BITUMINOUS PAVEMENT.

STORMWATER MANAGEMENT FOR THE PROJECT WAS INCORPORATED INTO THE T.H. 212 DESIGN/BUILD CONTRACT. STORMWATER RUNOFF FROM THE SITE IS ROUTED INTO A STORMWATER POND LOCATED IN THE SOUTHEAST CLOVERLEAF OF T.H. 212/T.H. 110 INTERCHANGE. THE STORMWATER POND WAS SIZED TO ACCOMMODATE 100% IMPERVIOUS FROM THE PROJECT SITE, THEREFORE, NO STORMWATER MANAGEMENT FACILITIES ARE NEEDED FOR THE PROJECT.

6. POTENTIAL FOR SEDIMENT AND POLLUTANT DISCHARGES FROM SITE:

OVERLAND STORMWATER RUNOFF FROM THE SITE TO EXISTING CATCH BASINS.

7. LOCATION AND TYPE OF TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND PROCEDURES:

LOCATIONS ARE SHOWN ON EROSION CONTROL PLAN. ADDITIONAL LOCATIONS WILL BE DETERMINED IN THE FIELD IN ACCORDANCE WITH CONTRACT REQUIREMENTS AND BEST MANAGEMENT PRACTICES. TEMPORARY EROSION CONTROL WILL CONSIST OF SILT FENCE, ROCK CONSTRUCTION ENTRANCE, AND SEDIMENT TRAPS IN CATCH BASINS.

8. LOCATION AND TYPE OF PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND PROCEDURES:

LOCATIONS ARE SHOWN ON LANDSCAPE DRAWINGS. PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS CONSISTS OF SODDING ON SITE AND ROUTING STORMWATER RUNOFF VIA STORM SEWERS TO A PERMANENT STORMWATER POND LOCATED IN MN/DOT RIGHT-OF-WAY.

9. SITE MAPS

EXISTING GRADES: GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROPOSED GRADES: GRADING, DRAINAGE, AND EROSION CONTROL PLAN

10. LOCATIONS OF AREAS NOT TO BE DISTURBED:

ONLY AREAS WITHIN GRADING LIMITS WILL BE DISTURBED. GRADING LIMITS ARE SHOWN ON THE GRADING, DRAINAGE, AND EROSION CONTROL PLAN.

11. SURFACE WATERS & WETLANDS WITHIN 1/2 MILE OF SITE:

WETLAND (SW OF SITE): 500'
RICE LAKE MARSH (NE OF SITE): 3,200'
LAKE SUSAN (NO. OF SITE): 2,450'
LAKE RILEY (SE OF SITE): 2,150'

12. METHODS OF FINAL STABILIZATION:

FINAL STABILIZATION INCLUDES SOD, LANDSCAPING, BITUMINOUS PAVEMENT, AND CONCRETE SURFACES.

## SWPPP NOTES (CONTINUED):

13. WATER QUALITY VOLUME (1/2" RUNOFF FROM IMPERVIOUS SURFACES):

(0.5")/12 X2.87 AC X 43,560 = 5,209 CUBIC FEET (CF) (SEE NOTE 5-NATURE OF CONST. ACTIVITY)

14. THE CONTRACTOR WILL BE RESPONSIBLE FOR "RECORD RETENTION" AS REQUIRED BY THE PERMIT.

15. THE CONTRACTOR WILL BE RESPONSIBLE FOR "CONSTRUCTION ACTIVITY REQUIREMENTS" AS REQUIRED BY THE PERMIT. IN ADDITION TO MEASURES DESCRIBED ELSEWHERE IN THE PLANS AND SPECIFICATIONS, THESE INCLUDE, BUT ARE NOT LIMITED TO:

* HORIZONTAL SLOPE GRADING
* PROTECT SOIL STOCKPILES FROM EROSION USING SILT FENCE
* STREET SWEEPING
* DEWATERING TRENCHES WITH FILTER BAGS
* INSPECTIONS AND MAINTENANCE
* "POLLUTION PREVENTION MANAGEMENT MEASURES"
* SEDIMENT TRAPS IN CATCH BASINS

16. SCHEDULE:

THE CONTRACTOR SHALL INSTALL & PERFORM EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) AS FOLLOWS:

1.) PRIOR TO LAND DISTURBANCE, INSTALL TEMPORARY BMPS:

* SILT FENCE AT GRADING LIMITS
* SEDIMENT TRAPS IN EXISTING CATCH BASIN INLETS
* TEMPORARY CONSTRUCTION ENTRANCES

2.) INSTALL TEMPORARY BMPS DURING CONSTRUCTION:

* SILT FENCE AROUND STOCKPILE MATERIAL
* SEDIMENT TRAPS IN NEW CATCH BASIN INLETS

3.) INSPECT AND MAINTAIN BMPS DURING CONSTRUCTION

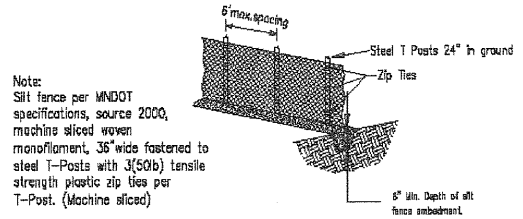
4.) PRIOR TO CONSTRUCTION COMPLETION:

* ESTABLISH PERMANENT VIGOROUS VEGETATIVE GROWTH (SOD) TO AREAS DISTURBED BY CONSTRUCTION ACTIVITY
* REMOVE ALL TEMPORARY BMPS (SEDIMENT TRAPS, SILT FENCE, TEMPORARY CONSTRUCTION ENTRANCES) UPON STABILIZATION OF PERMANENT EROSION CONTROL

17. POTENTIAL FOR SEDIMENT AND POLLUTANT DISCHARGES FROM SITE:

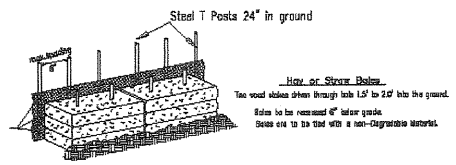
THE CONTRACTOR SHALL PREVENT ON- AND OFF-SITE SPILLS AND DISCHARGES OF POLLUTANTS SUCH AS FUELS, LUBRICANTS, BITUMENS, RAW WASH WATER OR WASTE FROM CONCRETE MIXING OPERATIONS, AND OTHER HARMFUL MATERIALS. HANDLE IN ACCORANCE WITH APPLICABLE REGULATORY REQUIREMENTS.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE "FINAL STABILIZATION" OF THE SITE TO MEET THE PERMIT REQUIREMENTS.




EROSION CONTROL FENCE – TYPE 1

Note:
Type 2 silt fence is the same as type 1 with hay bales installed as per detail.
Type 2 to be used to protect all wetlands.




EROSION CONTROL FENCE – TYPE 2

| CITY OF CHANHASSEN | SILT FENCE |
|---|---|
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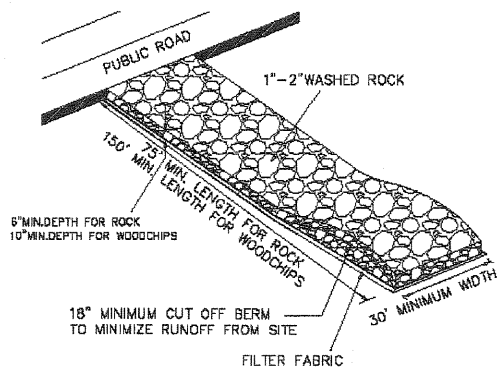
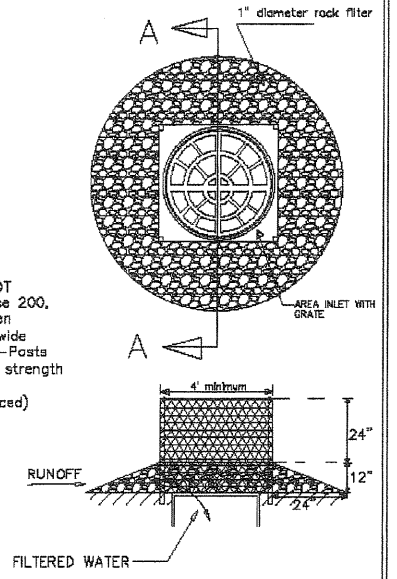
| FILE NAME: 393_5300 | |




NOTE: FILTER FABRIC SHALL BE PLACED UNDER ROCK TO STOP MUD MIGRATION THROUGH ROCK.

| CITY OF CHANHASSEN | ROCK CONSTRUCTION ENTRANCE |
|---|---|
| REVISED: 1-06 / DATE: | PLATE NO.: 5301 |
| FILE NAME: 393_5301 | |




SECTION AA

| CITY OF CHANHASSEN | OFF ROAD CB FILTER BARRIER |
|---|---|
| REVISED: 1-04 / DATE: | PLATE NO.: 5302 |
| FILE NAME: 393_5302 | |

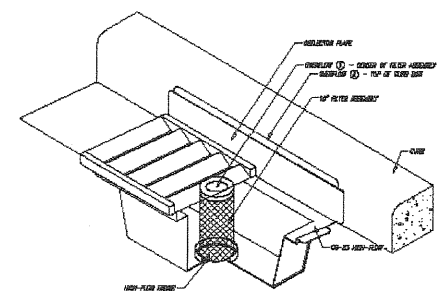
SEDIMENT TRAP AS MANUFACTURED BY WIMCO, LLC. SHAKOPEE, MN., ESS BROS., LERETO, MN. OR SIMILAR

SPECIFICATIONS AND STANDARDS
- AISC MANUAL OF STEEL CONSTRUCTION, 9TH EDITION
- AWS STRUCTURAL WELDING CODE – STEEL D1.1-94
- 29 CFR 1926 – OSHA SAFETY AND HEALTH STANDARDS

DESIGN LOADS

| | |
|---|---|
| ALLOWABLE AXLE WEIGHT LOAD | n/a |
| SAFETY FACTOR | n/a |
| WATER FLOW RATE (TYPICAL TYPE 'F' FILTER) | 0.797 cfs @ 3" head |
| MAXIMUM OVERFLOW RATE | 5.84 cfs @ 12" head |

MODEL#CG23




NOTE:
Clean filter media after each rain event and replace if filter is clogged with sediment.
Remove debris/sediment from receptacle after each rain event.

| CITY OF CHANHASSEN | CATCH BASIN SEDIMENT TRAP |
|---|---|
| REVISED: 1-05 / DATE: 1-04 | PLATE NO.: 5302A |
| FILE NAME: 393_5302A | |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SOUTHWEST VILLAGE TRANSIT CENTER

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ISSUE LOG

SOUTHWEST VILLAGE TRANSIT CENTER
SOUTHWEST VILLAGE
CHANHASSEN, MINNESOTA

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: _____

TYPED OR PRINTED NAME: NICHOLAS D. DEBAR

DATE: 03.01.2007 REG. NO.: 40857

SWPPP NOTES AND EROSION CONTROL DETAILS

| | |
|---|---|
| SCALE | NONE |
| DRAWN BY | NDD |
| DESIGNED BY | NDD |
| CHECKED BY | LHB |
| LHB PROJ. NO. | 04417.32 |
| CDG JOB NO. | 06052.00 |

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C2.0

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)

CONC. PAVERS (TYP.) SEE LANDSCAPE DWGS.

REMOVE 50 LF EXIST. 1" WATER SERV.

CONST. 65 LF. 6" D.I. PIPE (CL. 52) WATER SERVICE FOR BUS STATION WATER SUPPLY

WET-TAP EXIST. 8" D.I. WATERMAIN PER CHANHASSEN REQUIREMENTS AND INSTALL 6" GATE VALVE

CONST. 1-1/2" COPPER WATER SERVICE WITH CURB BOX SEE CHANHASSEN PLATE. NO. 1005

FUTURE RETAIL BLDG.

3' CONC. VALLEY GUTTER - SEE CHANHASSEN PLATE NO. 5206

CONC. PED. CURB RAMP - SEE CHANHASSEN PLATE NO. 5215

4" SOLID WHITE LINES (TYP.) SEE ARCHITECTURAL DWGS FOR LAYOUT PATTERN

B612 CONC. C&G WITH REV. GUTTER - SEE DETAILS

FUTURE RETAIL BLDG.

BITUMINOUS PAVEMENT SEE TYPICAL SECTIONS

STORM SEWER SEE SHEET C4.0

CONC. PAD FOR TRANS. SEE ELECT. DWGS.

EXISTING BUS LOADING

REMOVE 90 LF EXIST. B612 CONC. C&G AND REPLACE WITH VAR. HEIGHT B612 CONC. C&G SEE SHEET C4.0 FOR REPLACEMENT LIMITS

OVERHANG

PLAZA

DUMP-STER

BUS STATION

LANDSCAPE

PLAZA

ARBOR (TYP.) SEE LANDSCAPE DWGS.

PLAZA

TREE SLOTS (TYP.) SEE LANDSCAPE DWGS.

CONC. PAVERS (TYP.) SEE LANDSCAPE DWGS.

LANDSCAPE

SNOW STORAGE

29.83'

40.17'

CONST. 4" PVC (SCH. 40) @ 2.00% MIN. - SEE CHANHASSEN PLATE 2001

REMOVE PLUG & CONNECT TO EXIST. 8" PVC STUB IE 917.84 (VER.)

CONST. 90 LF 8" PVC (SDR 35) @ 0.40%

CONST. SAN. MH - SEE CHANHASSEN PLATE NO. 2101 RIM 923.20 IE 918.20

4" FLR. DRAIN (TYP.)

WHITE HANDICAPPED SYMBOL PAVEMENT MARKING (TYP.)

BITUMINOUS PAVEMENT SEE TYPICAL SECTIONS

6' CHAIN LINK FENCE WITH DOUBLE GATES

STORAGE

CONC. PED. CURB RAMP - SEE CHANHASSEN PLATE NO. 5215

PARKING GARAGE (MAIN FLR.)

4" SOLID WHITE LINES (TYP.) SEE ARCHITECTURAL DWGS FOR LAYOUT PATTERN

CONCRETE DECK SEE STRUCTURAL DWGS

BITUMINOUS PAVEMENT SEE TYPICAL SECTIONS

COLUMNS (TYP.)

RAMP UP TO 2ND LEVEL

BITUMINOUS PAVEMENT SEE TYPICAL SECTIONS

RETAIL/GARAGE ACCESS ROAD

B612 CONC. C&G

LANDSCAPE

LANDSCAPE

LANDSCAPE

EXISTING ONE-WAY BUSWAY

STAIR TOWER

PLAZA

84.23' (PI TO PI)

18.66'

18.66'

LANDSCAPE

STREET LIGHT (TYP.) - SEE LANDSCAPE & ELECTRICAL DWGS.

CONC. PED. CURB RAMPS - SEE CHANHASSEN PLATE NO. 5215

CONC. SIDEWALK (TYP.) SEE LANDSCAPE DWGS.

B612 CONC. C&G WITH REV. GUTTER - SEE DETAILS

REMOVE 80 LF CONC. C&G & CONST. 3' CONC. VALLEY GUTTER - SEE CHANHASSEN PLATE NO. 5206

CONCRETE PAVEMENT SEE TYPICAL SECTIONS

EXISTING ACCESS ROAD

FUTURE RESIDENTIAL DEVELOPMENT

T.H. 101 (NB)

GATE/ARM OPERATED BY SENSOR - OPENS FOR BUSES ONLY

STREET LIGHT (TYP.) - SEE LANDSCAPE & ELECTRICAL DWGS.

CONC. SIDEWALK (TYP.) SEE LANDSCAPE DWGS.

DIMENSIONS REFERENCE FACE OF CURB, PAVEMENT EDGE, FACE OF BUILDING, AND CENTER OF UTILITY STRUCTURES.

CONST. 460 LF 1-1/2" COPPER WATER SERVICE FOR IRRIGATION SERVICE MAINTAIN 7.5' MIN. COVER

SEE SHEET C1.0 FOR GENERAL AND CONSTRUCTION NOTES

LHB, INC.
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Minneapolis, MN 55401
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# SOUTHWEST VILLAGE TRANSIT CENTER

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## SOUTHWEST VILLAGE TRANSIT CENTER

SOUTHWEST VILLAGE
CHANHASSEN, MINNESOTA

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE

TYPED OR PRINTED NAME: NICHOLAS D. DEBAR

DATE: 03.01.2007 REG. NO.: 40857

## SITE IMPROVEMENT PLAN

| | |
|---|---|
| SCALE | AS SHOWN |
| DRAWN BY | NDD |
| DESIGNED BY | NDD |
| CHECKED BY | LHB |
| LHB PROJ. NO. | 04417.32 |
| CDG JOB NO. | 06052.00 |

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STATE # 1017-15
STATE # 91-595-18
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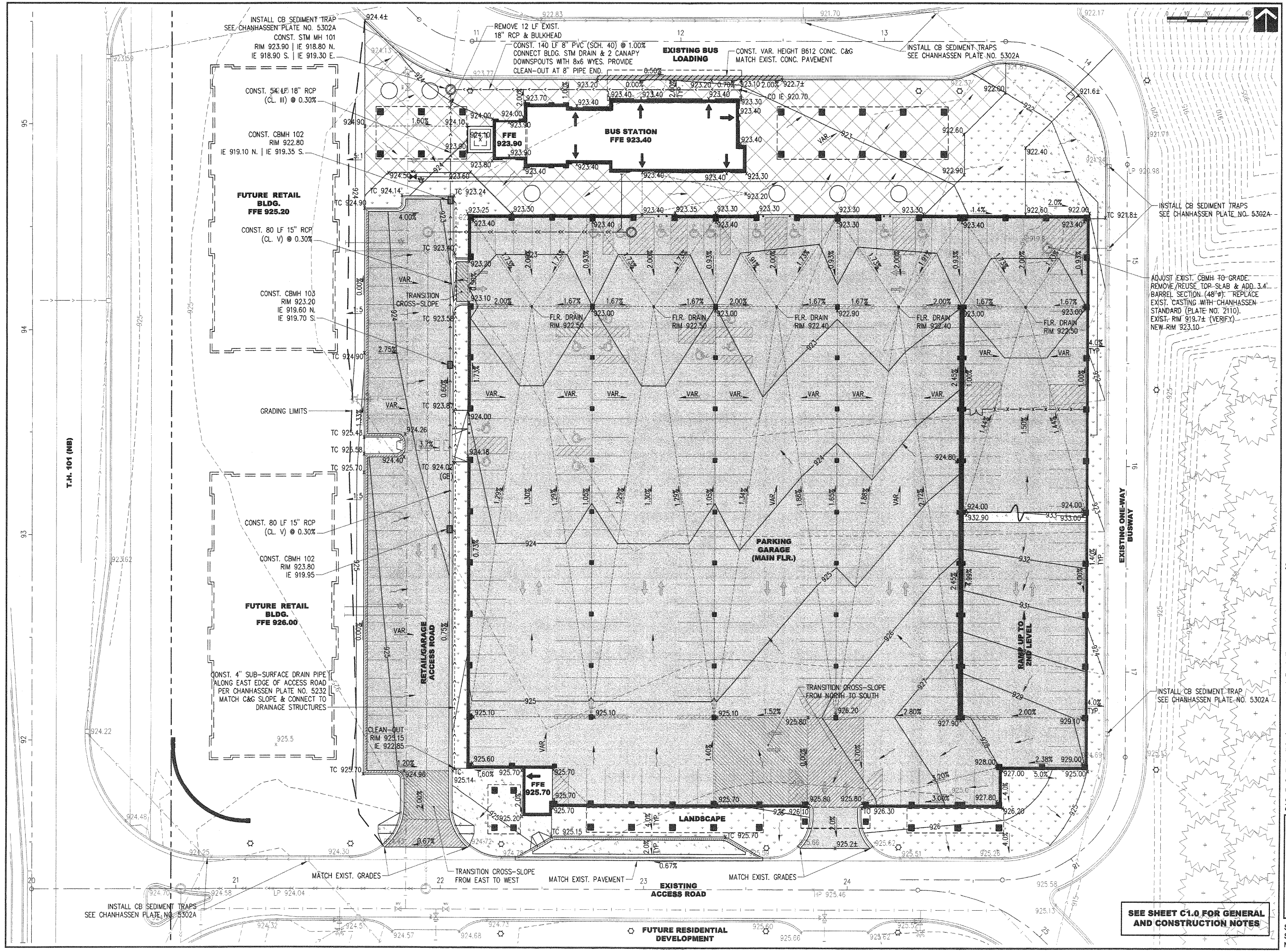


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CHANHASSEN, MINNESOTA

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SIGNATURE:

TYPED OR PRINTED NAME: NICHOLAS D. DEBAR

DATE: 03.01.2007 REG. NO.: 40857

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

| | |
|---|---|
| SCALE | AS SHOWN |
| DRAWN BY | NDD |
| DESIGNED BY | NDD |
| CHECKED BY | LHB |
| LHB PROJ. NO. | 04417.32 |
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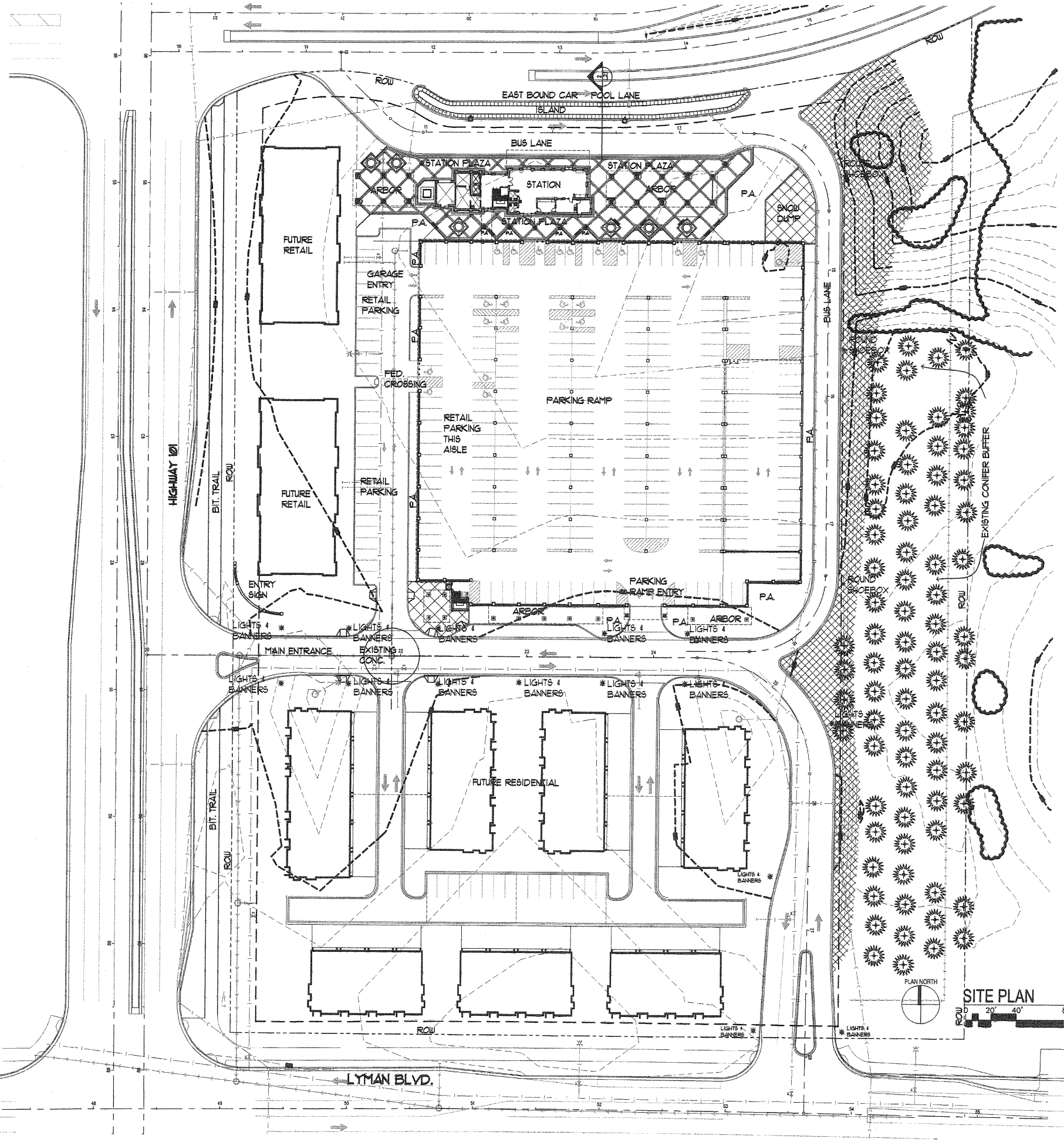



ERNST ASSOCIATES
landscape architecture ■ land planning
122 west sixth street ■ chaska, mn ■ 55318 ■ 952/448-4094

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

GENE F. ERNST

DATE: 3.1.07 REG. NO.: 12297

# SW VILLAGE TRANSIT CENTER

95% MN/DOT SET

REVISIONS
1-10-07 MNDOT SUBMITTAL
3-1-07

DESIGN NUMBER

PROJECT NUMBER
EA 0409
DATE
10/11/06
PROJECT MANAGER

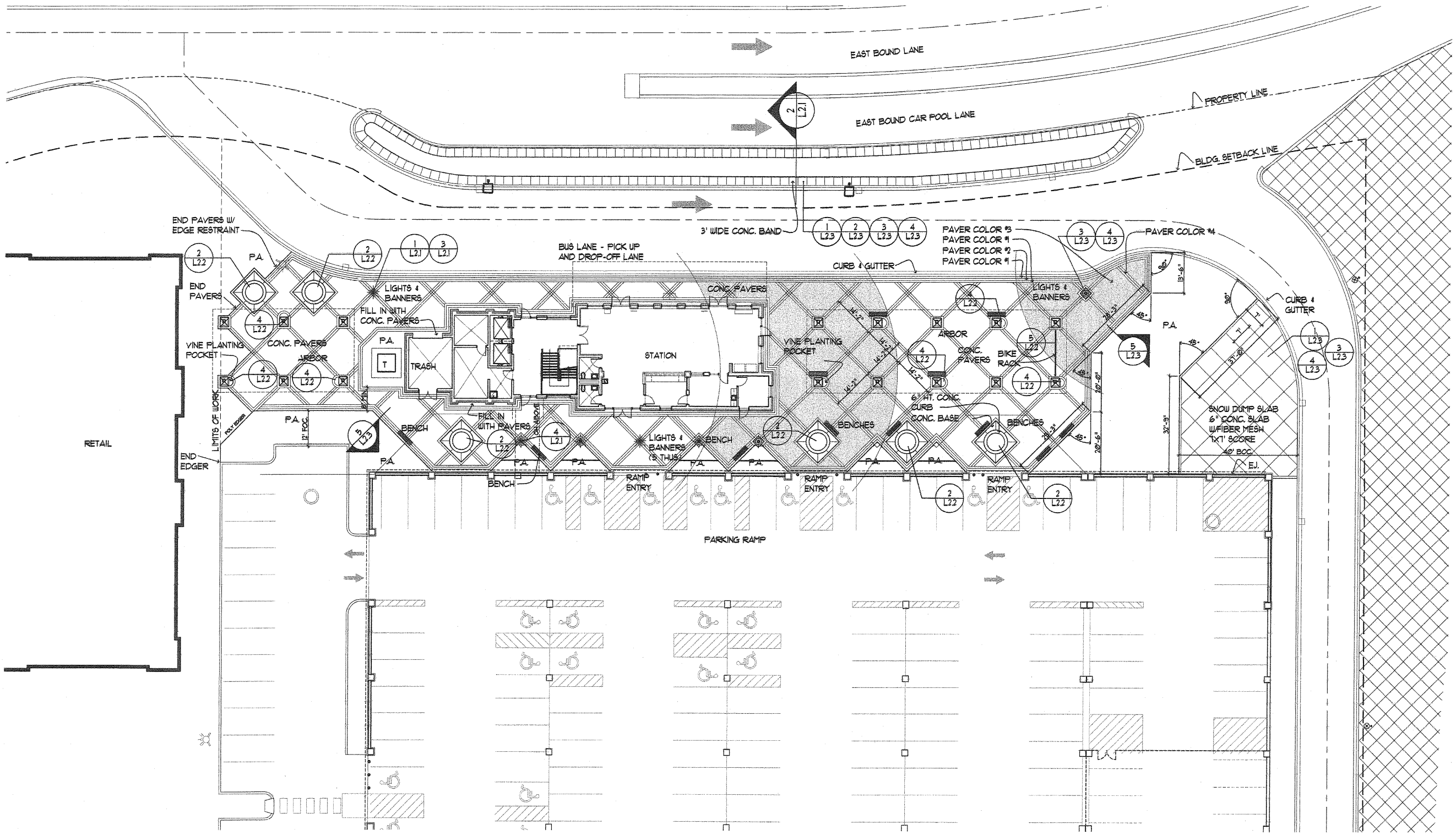
DRAWN BY
CHC
CHECKED BY
GFE

PROJECT
SOUTHWEST VILLAGE TRANSIT CENTER
LOCATION
CHANHASSEN, MN

SHEET TITLE
SITE PLAN / REFERENCE PLAN

SHEET NUMBER
L1.0

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)




ERNST ASSOCIATES

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122 west eight street ■ chaska, minn. ■ 55318 ■ 952/448-4094

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Gene F. Ernst

GENE F. ERNST

DATE: 3.1.07 REG. NO.: 12297

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3-1-07

DESIGN NUMBER

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DATE
10/11/06

PROJECT MANAGER

DRAWN BY
CHC

CHECKED BY
GFE

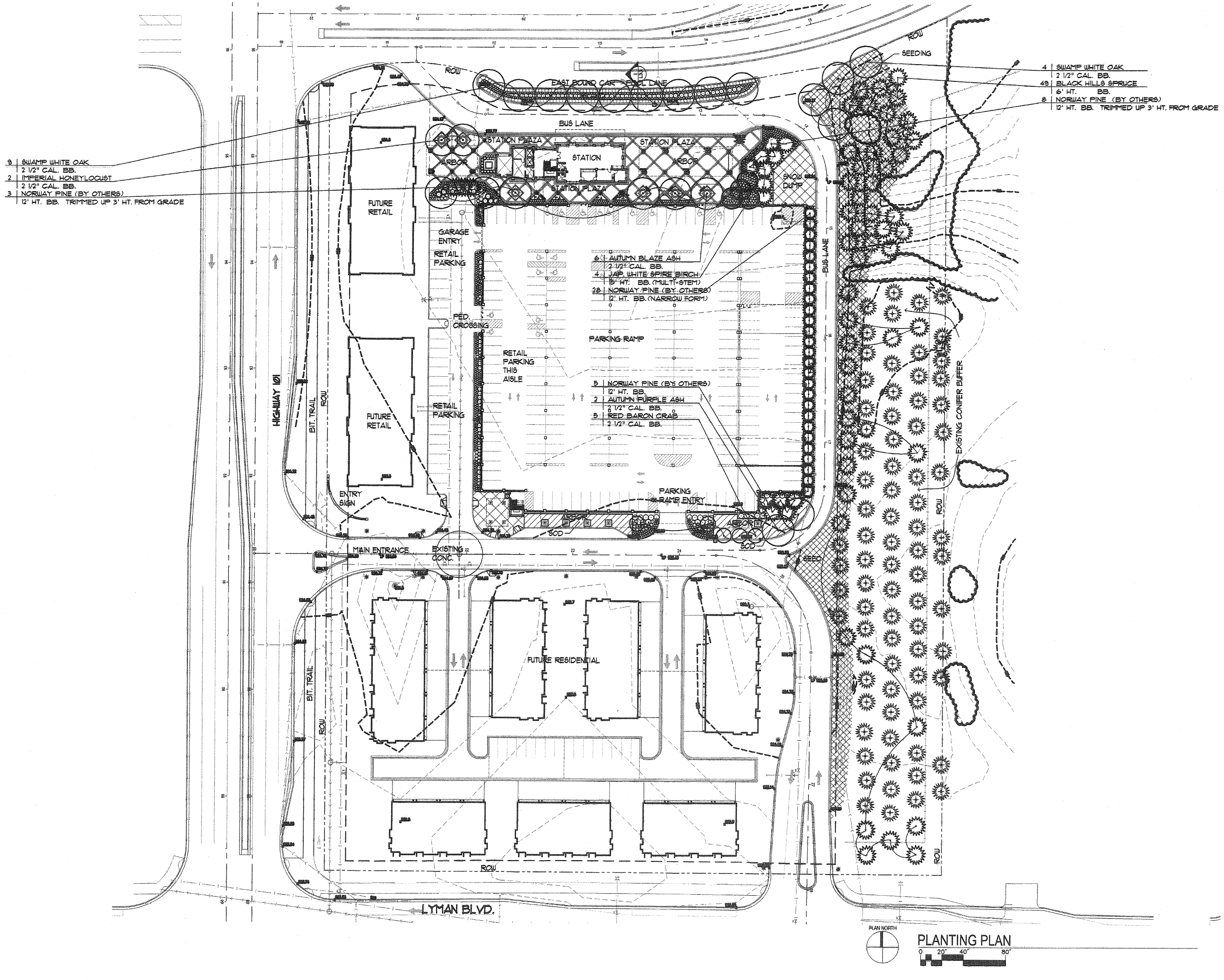
PROJECT
SOUTHWEST VILLAGE TRANSIT CENTER

LOCATION
CHANHASSEN, MN

SHEET TITLE
STATION PLAZA ENLARGED LAYOUT PLAN

SHEET NUMBER
L1.1

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)




SOUTHWEST TRANSIT

Village

SW SOUTHWEST METRO TRANSIT

ERNST ASSOCIATES
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122 west sixth street ■ chaska, mn. ■ 55318 ■ 952/448-4094

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GENE F. ERNST

DATE: 3.1.07 REG. NO.: 12297

# SW VILLAGE TRANSIT CENTER

95% MIN/DOT SET

REVISIONS
1-10-07 MNDOT SUBMITTAL
3-1-07

DESIGN NUMBER

PROJECT NUMBER
EA 0409
DATE
10/11/06
PROJECT MANAGER

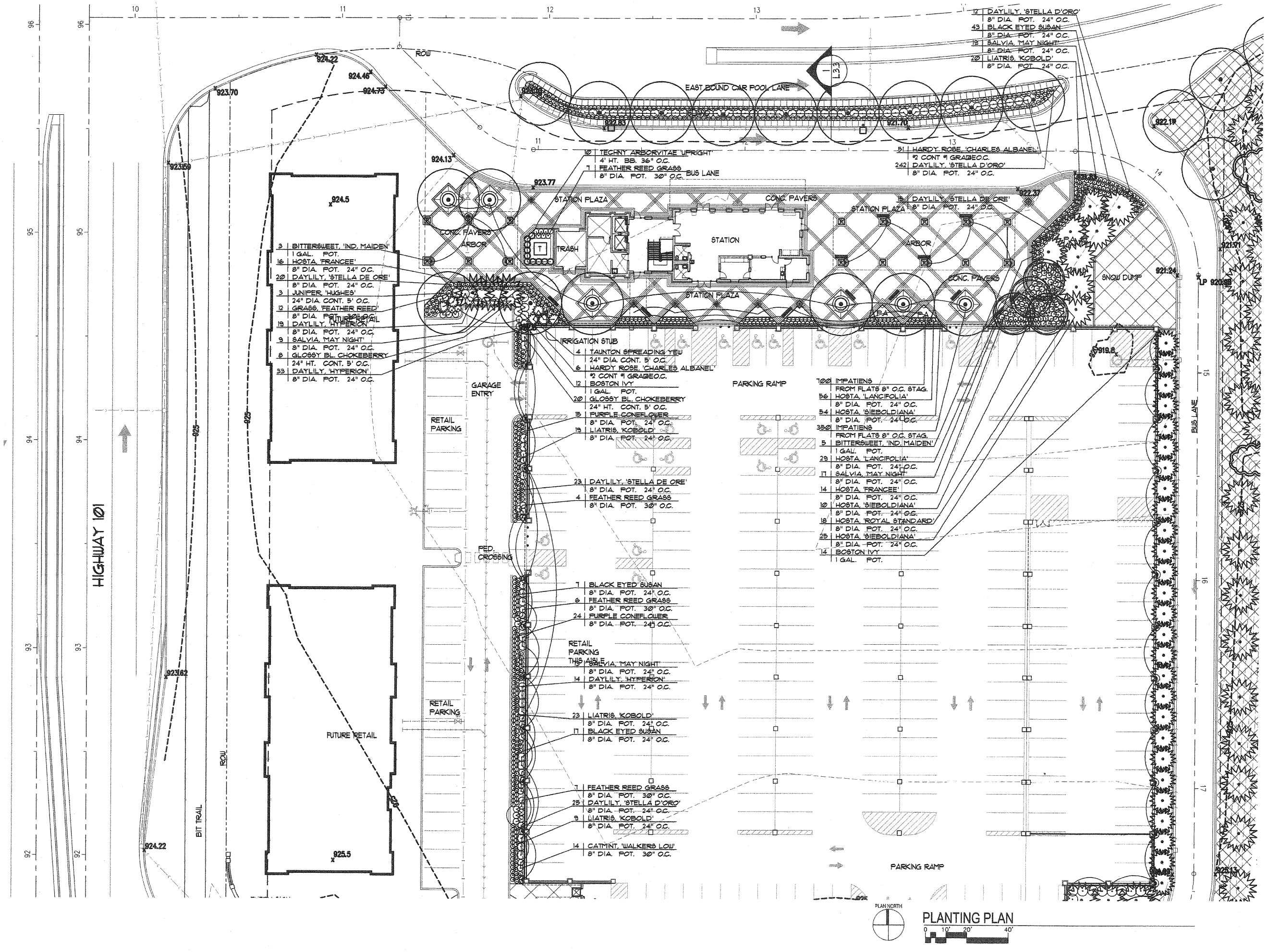
DRAWN BY
CHC
CHECKED BY
GFE

PROJECT
SOUTHWEST VILLAGE TRANSIT CENTER
LOCATION
CHANHASSEN, MN

SHEET TITLE
SITE PLANTING PLAN

SHEET NUMBER
L3.0

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)




## PLANTING PLAN

SOUTHWEST TRANSIT
Village
SouthWest Metro Transit

ERNST ASSOCIATES
landscape architecture ■ land planning
122 west sixth street ■ hastings, minn. ■ 55033 ■ 952/446-4094

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

GENE F. ERNST
DATE: 3.1.07 REG. NO.: 12297

# SW VILLAGE TRANSIT CENTER

95% MIN/DOT SET

REVISIONS
1-10-07 MNDOT SUBMITTAL
3-1-07

DESIGN NUMBER

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PROJECT MANAGER

DRAWN BY
CHC
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GFE

PROJECT
SOUTHWEST VILLAGE TRANSIT CENTER
LOCATION
CHANHASSEN, MN

SHEET TITLE
STATION PLAZA ENLARGED PLANTING PLAN

SHEET NUMBER
L3.1

STATE # 1017-15
STATE # 91-595-18
MINNESOTA # CMAQ 1006 (153)