



Request for Comments

Case Name: Copeland Precast East
Project Number: RCU2024-00015

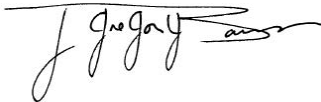
June 14, 2024

The Adams County Planning Commission is requesting comments on the following application: **Conditional use permit application to allow accessory outdoor storage in excess of 100% of the building area within the Industrial-1 zone district. The site is also affected by the Airport Influence Zone and the Airport Noise Overlay.** This request is located at 35582 E. 56th Ave. The Assessor's Parcel Number is 0181700000018.

Applicant Information: Copeland Holdings
BART COPELAND
904 S. LIPAN ST.
DENVER, CO 80223

Please forward any written comments on this application to the Community and Economic Development Department at 4430 South Adams County Parkway, Suite W2000A Brighton, CO 80601-8216 or call (720) 523-6800 by 07/11/2024 in order that your comments may be taken into consideration in the review of this case. If you would like your comments included verbatim please send your response by way of e-mail to GJBarnes@adcogov.org.

Once comments have been received and the staff report written, the staff report and notice of public hearing dates may be forwarded to you upon request. The full text of the proposed request and additional colored maps can be obtained by contacting this office or by accessing the Adams County web site at www.adcogov.org/current-land-use-cases. Thank you for your review of this case.



Greg Barnes
Principal Planner

BOARD OF COUNTY COMMISSIONERS

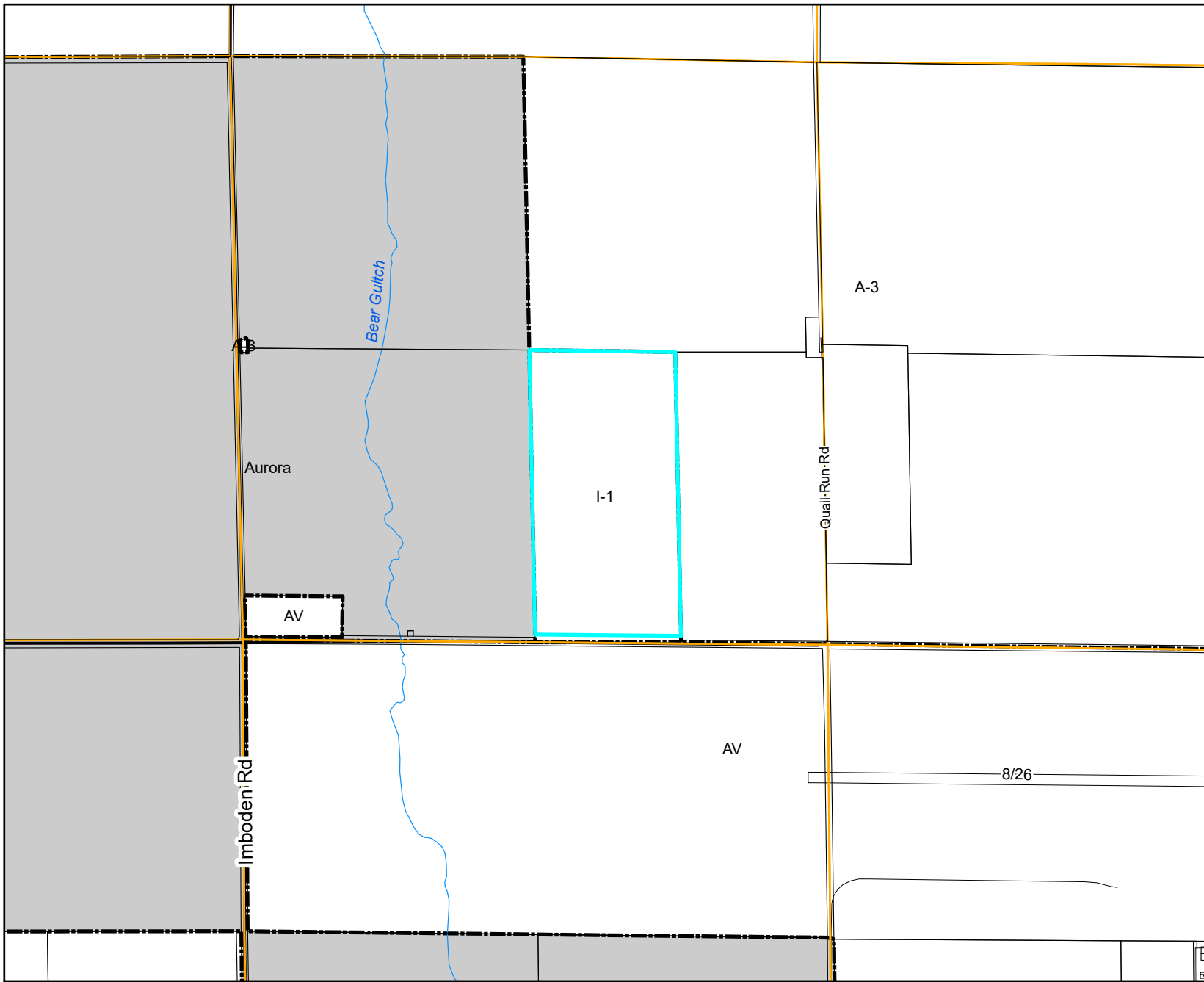
Eva J. Henry
DISTRICT 1

Charles "Chaz" Tedesco
DISTRICT 2





Emma Pinter
DISTRICT 3

Steve O'Dorisio
DISTRICT 4

Lynn Baca
DISTRICT 5



Legend

-  Railroad
-  Major Water
-  Zoning Line
-  Sections

Copeland Precast East
RCU2024-00015



For display purposes only.



This map is made possible by the Adams County GIS group, which assumes no responsibility for its accuracy



Written Explanation

Copeland Precast is a precast concrete manufacturing company. We operate in Denver and want to build an additional plant on 56th Avenue between S. Imboden Rd. and N. Quail Run Road. We are a modern precast plant that builds precast underground utilities. We would like to build a new facility that includes an office and a manufacturing plant with a batch plant. We would pour concrete, build structures, and ship precast items at this location.

The timeline for this project would be to start building as soon as possible once all zoning and permits have been obtained, with a estimated building time of 12 months. Improvements to the property will include a well, septic, power, drainage, roads, parking, office, manufacturing warehouse, fencing, landscaping, and more, as specified to meet Adams County's requirements. In this precast manufacturing plant, we estimate we will bring 25 jobs to the area. We will positively impact the surrounding communities with development and improvements and help create economic growth.

COPELAND PRECAST CONCRETE

Landscape Plans

Watkins, Colorado

LANDSCAPE PLANT LIST

DECIDUOUS SHADE TREES									
SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY	
SKC	Seedless Kentucky Coffeetree	Gymnodendron dioica 'Espresso'	50-60'	40-50'	Low	Sun	2" Cal., B&B	7	
NEO	English Oak	Quercus robur	40-60'	30-40'	Medium	Sun	2" Cal., B&B	3	
NRO	Northern Red Oak	Quercus rubra	40-60'	40-60'	Medium	Sun	2" Cal., B&B	8	

DECIDUOUS SHRUBS									
SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY	
FEB	Fernbush	Chamaebatris millefolium	3-5'	3-5'	Very Low	Sun	5 Gallon Cont.	8	
TBR	Tall Blue Rabbitbrush	Ericameria nauseosa speciosa	2-6'	2-6'	Very Low	Sun	5 Gallon Cont.	7	
RUS	Russian Sage	Perovskia atriplicifolia	3-4'	3-4'	Very Low	Sun	5 Gallon Cont.	13	

EVERGREEN SHRUBS									
SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY	
SGJ	Sea Green Juniper	Juniperus x media 'Sea Green'	5-6'	6-8'	Low	Sun	5 Gallon Cont.	10	

NATIVE SEEDING - DRYLAND MIX
Pawnee Buttes Seed Mixes (www.pawneebuttesseed.com);
FBSI Low Grass Mix
Application Rate: 5 LBS/1,000 SF

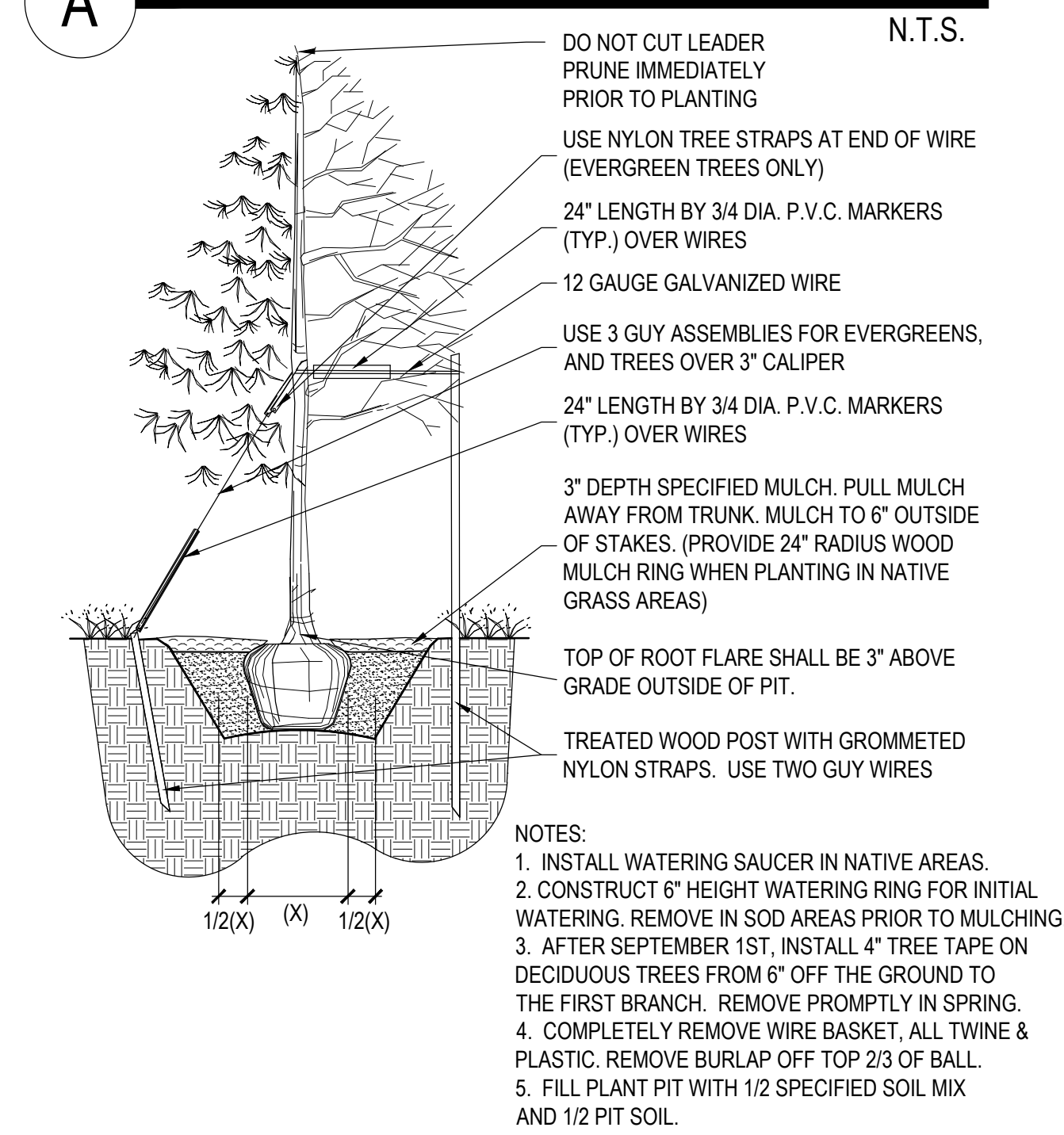
GENERAL LANDSCAPE NOTES

- ALL LOW PERENNIAL AND GROUND COVER PLANTING AREAS SHALL BE MULCHED WITH SHREDDED WESTERN RED CEDAR WOOD MULCH, AT A DEPTH OF 2". WEED BARRIER FABRIC IS NOT REQUIRED UNDER WOOD MULCH.
- ALL PLANTING BED AREAS SHALL BE MULCHED WITH 1-1/2" GRAY ROSE MULTI-COLORED RIVER ROCK, AT A DEPTH OF 3". INSTALLED OVER PERMEABLE WEED BARRIER FABRIC. DO NOT INSTALL EDGING BETWEEN WOOD MULCH AND ROCK MULCH AREAS.
- STEEL LANDSCAPE EDGER SHALL BE 1/4 GAUGE ROLLED TOP STEEL EDGING IN THE LOCATIONS SHOWN ON THE PLANS. EDGER IS NOT REQUIRED WHERE SOD ABUTS CONCRETE.
- ALL AREAS TO BE LANDSCAPED SHALL HAVE ORGANIC AMENDMENTS THOROUGHLY INCORPORATED INTO THE SOIL AT A RATE OF 5 CUBIC YARDS PER 1,000 SQUARE FEET, AND TILLED TO A DEPTH OF 6 INCHES.
- ALL LANDSCAPE AREAS SHALL BE FINE GRADED PRIOR TO INSTALLATION OF NEW PLANT MATERIAL, ROCKS, WOOD, AND ANY MATERIAL LARGER THAN 1" IN DIAMETER SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO SODDING AND PLANTING NEW MATERIALS.
- EXISTING TURF, SHRUBS, TREES, AND PLANT MATERIAL TO BE REMOVED SHALL BE FULLY REMOVED FROM THE SITE, INCLUDING ALL ROOTS.
- ALL LANDSCAPED AREAS SHALL BE WATERED BY A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
- BED AREAS SHALL BE IRRIGATED BY INDIVIDUAL DRIP EMITTERS TO EACH PLANT. DRIP COMPONENTS SHALL BE COMMERCIAL GRADE RAIN-BIRD OR EQUAL POINT SOURCE EMITTERS, WITH ALL PLANTS RECEIVING IRRIGATION.

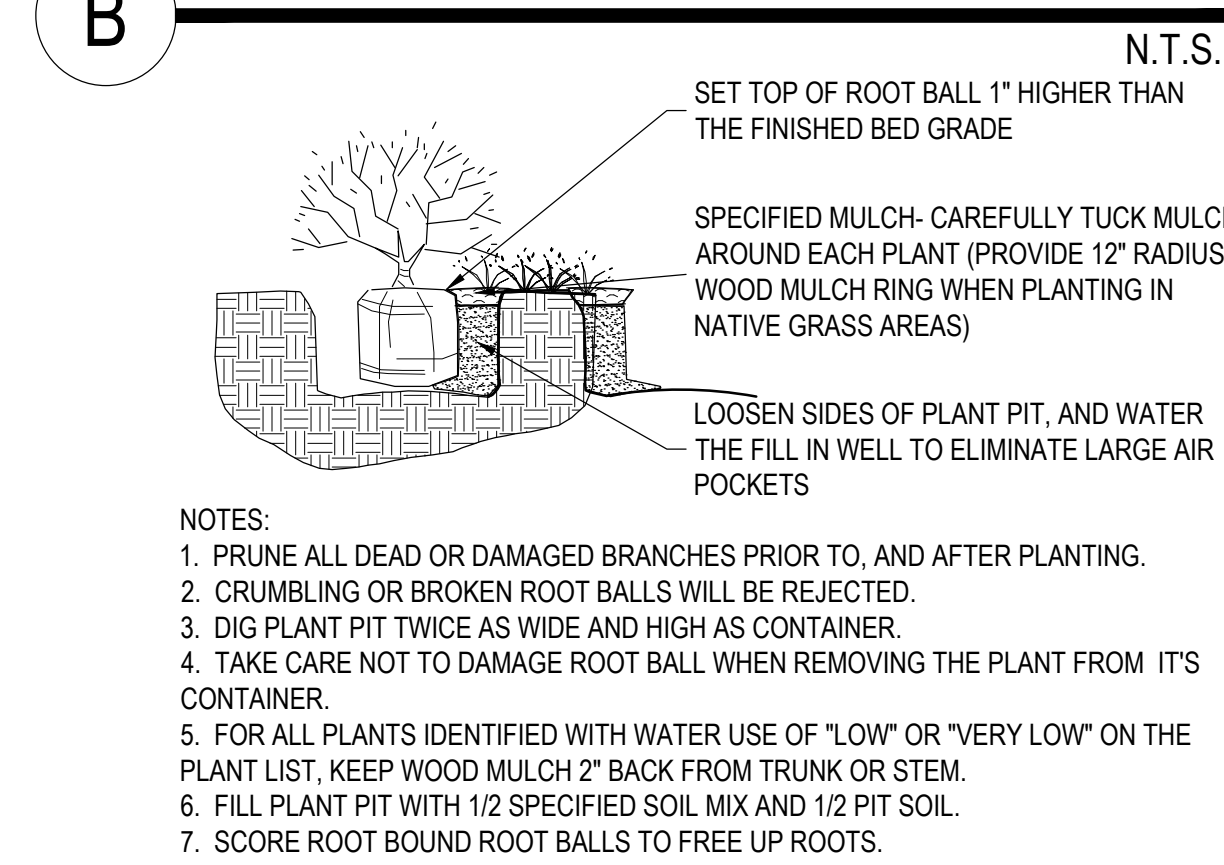
LANDSCAPE MAINTENANCE NOTES

- THE LANDOWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND KEEP IN GOOD CONDITION ALL THOSE LOCATIONS INDICATED ON THE APPROVED LANDSCAPE PLAN, AND ALL VEGETATION, IRRIGATION SYSTEM SCREENING DEVICES AND OTHER LANDSCAPE COMPONENTS SO AS TO PRESENT A HEALTHY SAFE AND ORDERLY SITE.
- ALL PLANTS SHALL BE MAINTAINED CONTINUALLY IN A HEALTHY CONDITION IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL HORTICULTURAL STANDARDS AND PRACTICES. PLANTS THAT DIE OR ARE UNHEALTHY SHALL BE REPLACED. REGULAR PRUNING AND TRIMMING SHALL APPLY TO MAINTAIN HEALTH AND AN ATTRACTIVE APPEARANCE AND TO PERMIT THE PLANTS TO ACHIEVE THEIR INTENDED FORM AND HEIGHT. LANDSCAPE AREAS SHALL REMAIN FREE OF WEEDS, LITTER, JUNK, RUBBISH AND OTHER NUISANCES AND OBSTRUCTIONS. TO PREVENT WEED GROWTH, EROSION AND BLOWING DUST, AREAS NOT COVERED BY VEGETATION SHALL BE COVERED WITH MULCH, WOOD OR BARK CHIPS, OR DECORATIVE ROCKS OR COBBLE, OR SIMILAR NATURAL MATERIALS PROVIDING A CLEAN, UNIFORM APPEARANCE. SHALL BE COMMERCIAL

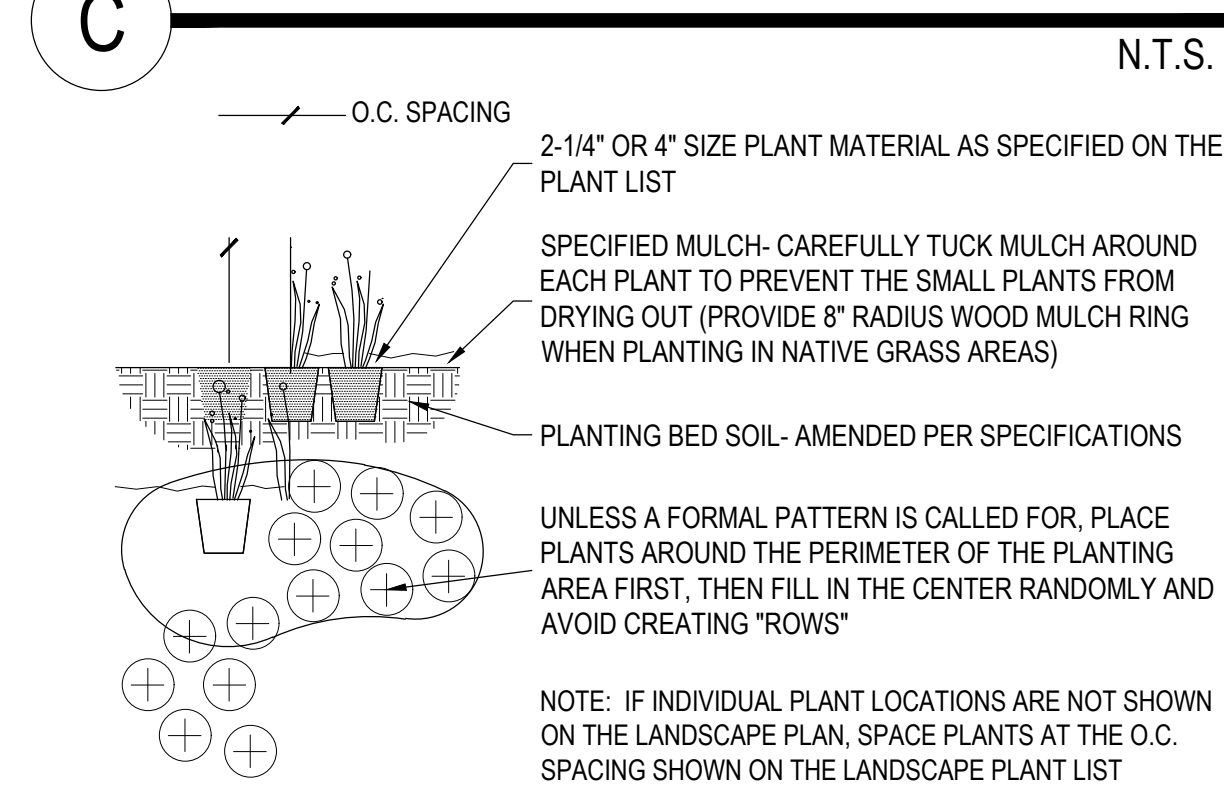
A PLANTING DETAIL FOR ALL TREES & B&B SHRUBS



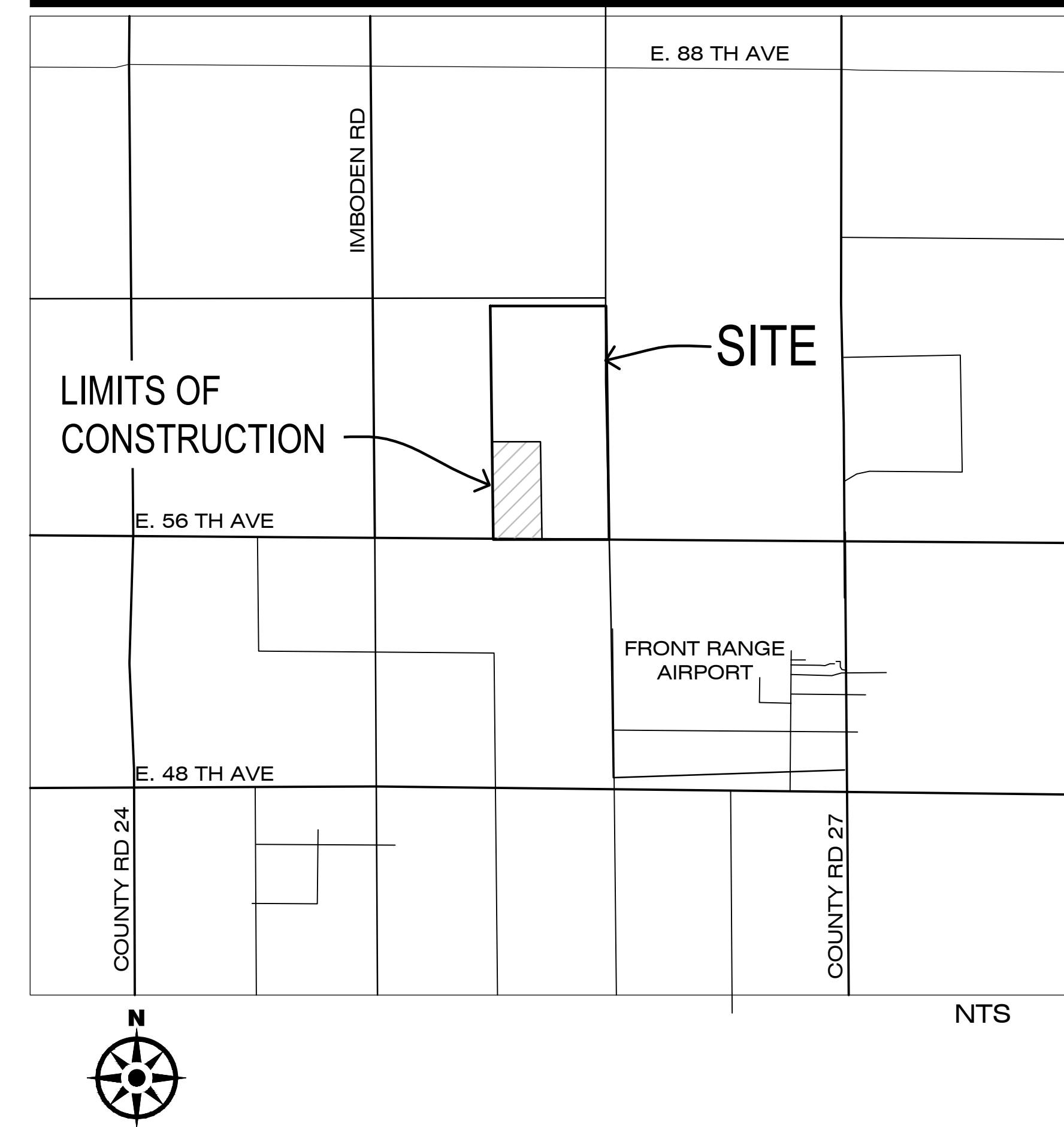
B PLANTING DETAIL FOR SHRUBS, AND ALL CONTAINER PLANTS LARGER THAN 1 GALLON



C PLANTING DETAIL FOR PERENNIALS, ANNUALS, & ALL CONTAINER PLANTS 1 GALLON OR SMALLER



VICINITY MAP



IRRIGATION NOTES

- BED AREAS SHALL BE IRRIGATED BY INDIVIDUAL DRIP EMITTERS TO EACH PLANT. DRIP COMPONENTS SHALL BE COMMERCIAL GRADE RAIN-BIRD OR EQUAL POINT SOURCE EMITTERS, WITH ALL PLANTS RECEIVING IRRIGATION.
- REFER TO "IRRIGATION DRIP EMITTER SCHEDULE" IN THIS DRAWING SET FOR QUANTITIES AND SIZES OF DRIP EMITTERS DEPENDING ON THE WATER NEEDS OF EACH PARTICULAR PLANT.
- VALVES AND VALVE BOXES SHALL BE COMMERCIAL GRADE WITH PRESSURE REDUCING VALVES USED FOR ALL DRIP ZONES.
- CONTRACTOR SHALL INSTALL A NEW IRRIGATION CONTROLLER FOR THESE IMPROVEMENTS. 120 V POWER WILL BE REQUIRED WITHIN 5' OF CONTROLLER LOCATION.
- CONTRACTOR SHALL INSTALL A NEW IRRIGATION BACKFLOW PREVENTER FOR THESE IMPROVEMENTS (SEE LOCATION ON PLANS).
- CONTRACTOR SHALL VERIFY WATER PRESSURE AND FLOW AVAILABLE FOR THE IRRIGATION SYSTEM, AND SHALL NOTIFY THE LANDSCAPE ARCHITECT AND OWNER IMMEDIATELY IF PRESSURE OR FLOW IS INADEQUATE.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL SLEEVES REQUIRED FOR IRRIGATION. CONTRACTOR SHOULD COORDINATE WITH THOSE INSTALLING FLATWORK, TO AVOID BORING UNDER WALKS, IF POSSIBLE. CONTRACTOR SHALL INCLUDE IN THEIR BID, ALL COSTS ASSOCIATED WITH LOCATING, EXPOSING, AND BACKFILLING SLEEVES UP TO, AND INCLUDING, A DEPTH OF 60 INCHES.
- INSTALL (1) 4" CLASS 200 PVC SLEEVE AND (1) 2" CLASS 200 PVC SLEEVE SIDE BY SIDE AT ALL VEHICLE DRIVE CROSSINGS. INSTALL (1) 4" CLASS 200 PVC SLEEVE AT ALL SIDEWALK CROSSINGS. DEPTH OF SLEEVES SHALL BE 24" MIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- THE CONTRACTOR SHALL SET THE IRRIGATION CLOCK FOR A TWO-WEEK ESTABLISHMENT PERIOD FOR THE PLANTS. CONTRACTOR IS RESPONSIBLE TO RE-SET THE CLOCK FOR NORMAL OPERATION FOR THE REMAINING SEASON AFTER THE TWO WEEK ESTABLISHMENT PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEAD PLANT MATERIAL RESULTING FROM OVER WATERING.
- THE PLANT MATERIALS SPECIFIED FOR THIS PROJECT ARE MOSTLY LOW WATER-USE PLANTS. THE CONTRACTOR SHALL CONSULT WITH THE OWNER, AND THE LANDSCAPE ARCHITECT IF POSSIBLE, PRIOR TO SETTING THE CLOCK FOR IRRIGATION TIMES AFTER THE TWO WEEK ESTABLISHMENT PERIOD.

COPELAND PRECAST CONCRETE
Watkins, Colorado 80137

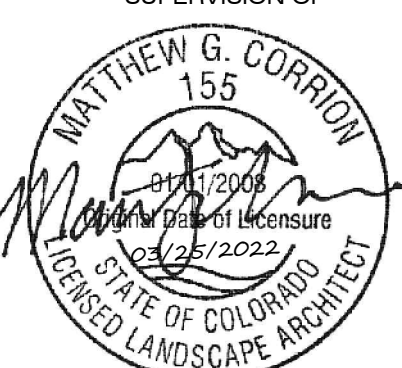
Applicant:
Birt Copeland
904 S. Lipan St.
Denver, CO 80223

Landscape Plans

Issue Dates

Date:	Notes:
06-05-19	Client review
08-12-19	Client review
07-02-20	Client review
10-22-20	FINAL SET
09-08-21	Revision
03-25-22	Revision

PREPARED UNDER THE SUPERVISION OF



MATTHEW G. CORRION
COLORADO RLA #155

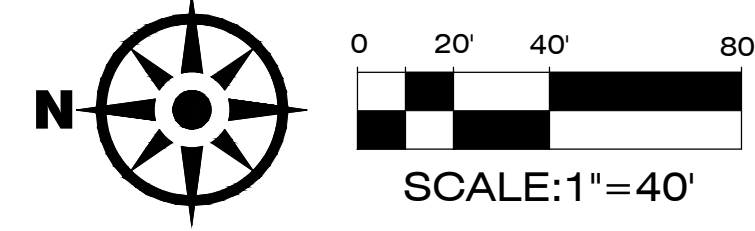
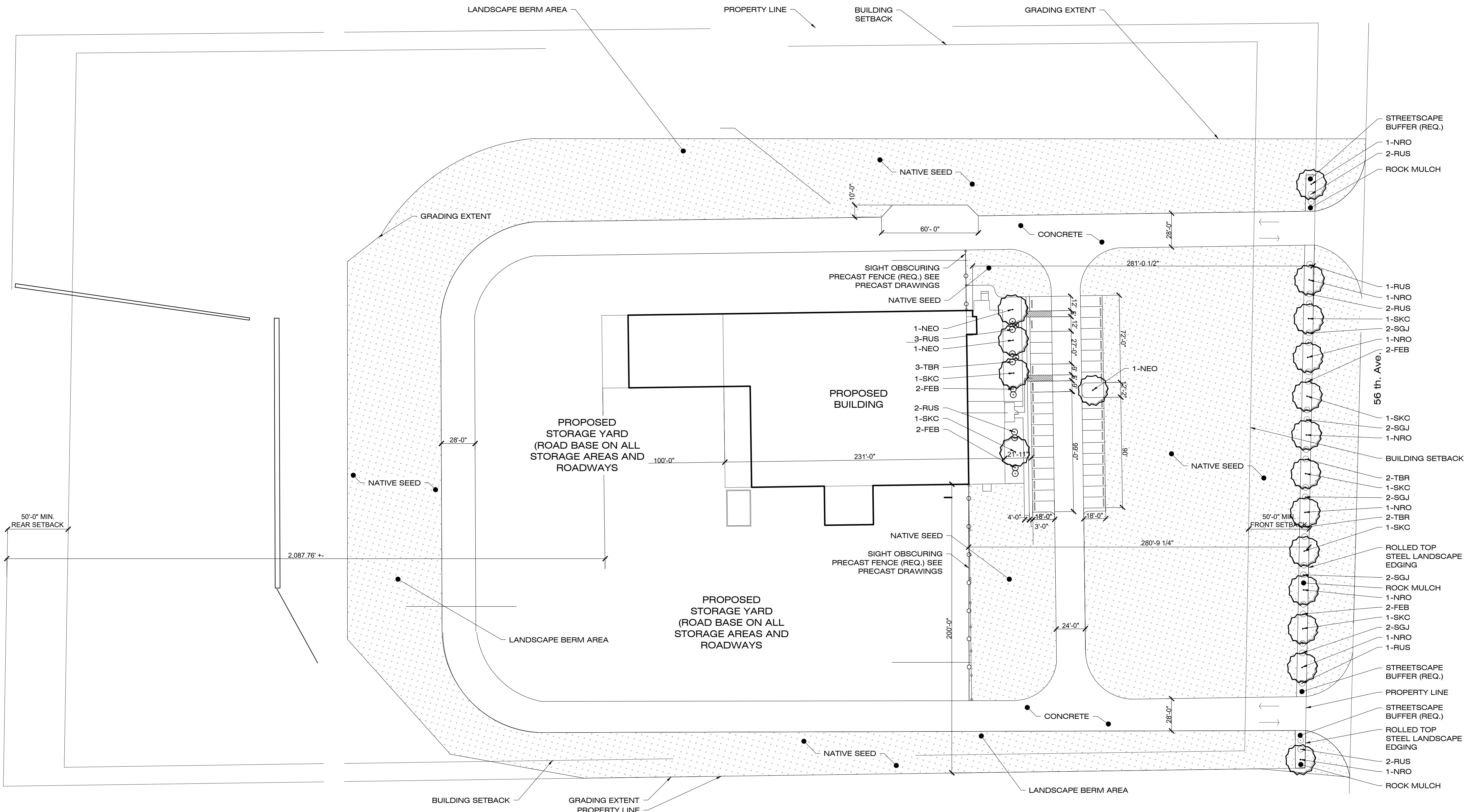
This document and the designs and ideas herein are the property of Outdoor Design Group, Inc. For use as an instrument of the professional services pursuant to the agreement for the specific project between the Client and Outdoor Design Group. This document and the designs and ideas herein shall not be used, disseminated, or duplicated for any other project or for any other commercial use without the written consent of Outdoor Design Group, Inc.

Sheet

L1

Landscape Cover
Sheet & Plant List





STREETSCAPE BUFFER CALCULATIONS

DESCRIPTION	REQ.	PROVIDED
56th Ave. - 517 LF (517 LF / 40) x 1 TREE	13	13
x 2 SHRUBS	26	26

NATIVE SEEDING - DRYLAND MIX
Pawnee Buttes Seed Mixes (www.pawneebuttesseed.com).
PBSI Low Grow Mix.
Application Rate: 5 LBS/1,000 SF
(Non-Irrigated)

COPELAND PRECAST CONCRETE
Watkins, Colorado 80137

Applicant:
Bart Copeland
904 S. Lohan St.
Denver, CO 80223

Landscape Plans

Issue Dates

Date:	Notes:
06-05-19	Client review
08-12-19	Client review
07-02-20	Client review
10-22-20	FINAL SET
09-08-21	Revision
03-25-22	Revision

PREPARED UNDER THE SUPERVISION OF

MATTHEW G. CORRION
COLORADO RLA #155

This document and the designs and ideas herein are the property of Outdoor Design Group, Inc. for use as an instrument of the professional services pursuant to the agreement for this specific project between the Client and Outdoor Design Group. This document and the designs and ideas herein shall not be used, disseminated, or duplicated for any other project or for any other commercial use without the written consent of Outdoor Design Group, Inc.

Call 3 business days in advance before you dig, grade, or excavate for the marking of underground member utilities



PROJECT NAME: Copeland Precast East

APPLICANT

Name(s): Bart Copeland Phone #: 303-601-8369
Address: 904 S. Lipan Street
City, State, Zip: Denver, CO, 80223
2nd Phone #: 303-936-4817 Email: bart@copelandprecast.com

OWNER

Name(s): Bart Copeland- Copeland Holdings Phone #: 303-601-8369
Address: 904 S. Lipan Street
City, State, Zip: Denver, CO, 80223
2nd Phone #: 303-936-4817 Email: Bart@copelandprecast.com

TECHNICAL REPRESENTATIVE (Consultant, Engineer, Surveyor, Architect, etc.)

Name: Eric Tuin- 2n Civil Phone #: 303-925-0544
Address: 6 Inverness Ct. East Suite 125
City, State, Zip: Englewood, CO, 80112
2nd Phone #: Email: eric@2ncivil.com

DESCRIPTION OF SITE

Address:

City, State, Zip:

Area (acres or square feet):

Tax Assessor Parcel Number

Existing Zoning:

Existing Land Use:

Proposed Land Use:

Have you attended a Conceptual Review? YES NO

If yes, please list PRE#:

I hereby certify that I am making this application as owner of the above-described property or acting under the authority of the owner (attached authorization, if not owner). I am familiar with all pertinent requirements, procedures, and fees of the County. I understand that the Application Review Fee is non-refundable. All statements made on this form and additional application materials are true to the best of my knowledge and belief.

Name:
Owner's Printed Name

Date:

Name:
Owner's Signature



Written Explanation

Copeland Precast is a precast concrete manufacturing company. We operate in Denver and want to build an additional plant on 56th Avenue between S. Imboden Rd. and N. Quail Run Road. We are a modern precast plant that builds precast underground utilities. We would like to build a new facility that includes an office and a manufacturing plant with a batch plant. We would pour concrete, build structures, and ship precast items at this location.

The timeline for this project would be to start building as soon as possible once all zoning and permits have been obtained, with a estimated building time of 12 months. Improvements to the property will include a well, septic, power, drainage, roads, parking, office, manufacturing warehouse, fencing, landscaping, and more, as specified to meet Adams County's requirements. In this precast manufacturing plant, we estimate we will bring 25 jobs to the area. We will positively impact the surrounding communities with development and improvements and help create economic growth.

COPELAND PRECAST CONCRETE

Landscape Plans

Watkins, Colorado

LANDSCAPE PLANT LIST

DECIDUOUS SHADE TREES

SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY
SKC	Seedless Kentucky Coffeetree	Gymnodendron dioica 'Espresso'	50-60'	40-50'	Low	Sun	2" Cal., B&B	7
NEO	English Oak	Quercus robur	40-60'	30-40'	Medium	Sun	2" Cal., B&B	3
NRO	Northern Red Oak	Quercus rubra	40-60'	40-60'	Medium	Sun	2" Cal., B&B	8

DECIDUOUS SHRUBS

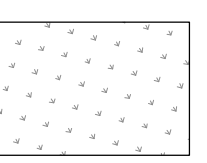
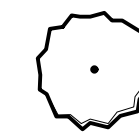
SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY
FEB	Fernbush	Chamaebatris millefolium	3-5'	3-5'	Very Low	Sun	5 Gallon Cont.	8
TBR	Tall Blue Rabbitbrush	Ericameria nauseosa speciosa	2-6'	2-6'	Very Low	Sun	5 Gallon Cont.	7
RUS	Russian Sage	Perovskia atriplicifolia	3-4'	3-4'	Very Low	Sun	5 Gallon Cont.	13

EVERGREEN SHRUBS

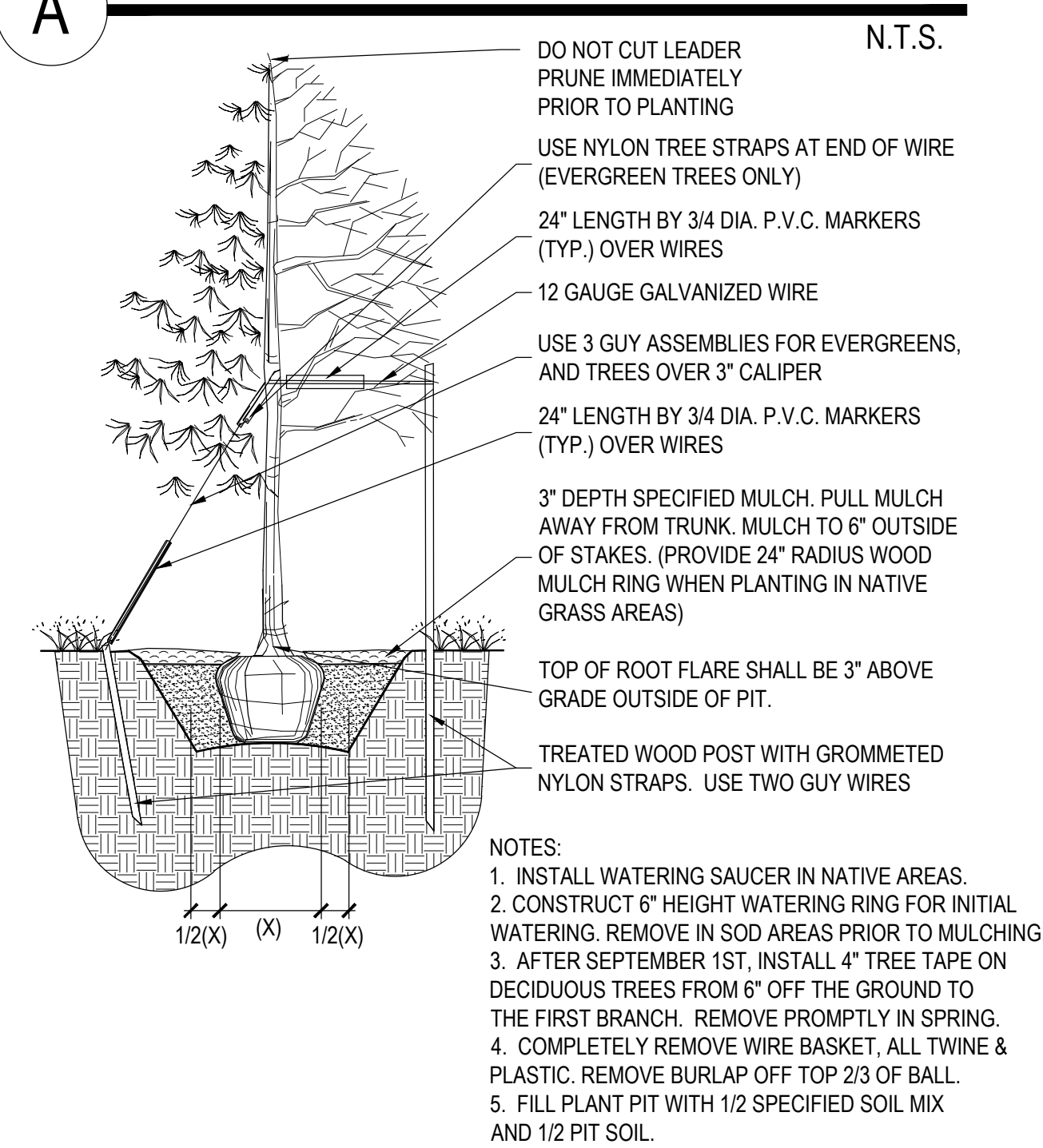
SYMBOL	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	MATURE SPREAD	WATER USE	SUN/SHA DE	SIZE AND CONDITION	QTY
SGJ	Sea Green Juniper	Juniperus x media 'Sea Green'	5-6'	6-8'	Low	Sun	5 Gallon Cont.	10

NATIVE SEEDING - DRYLAND MIX

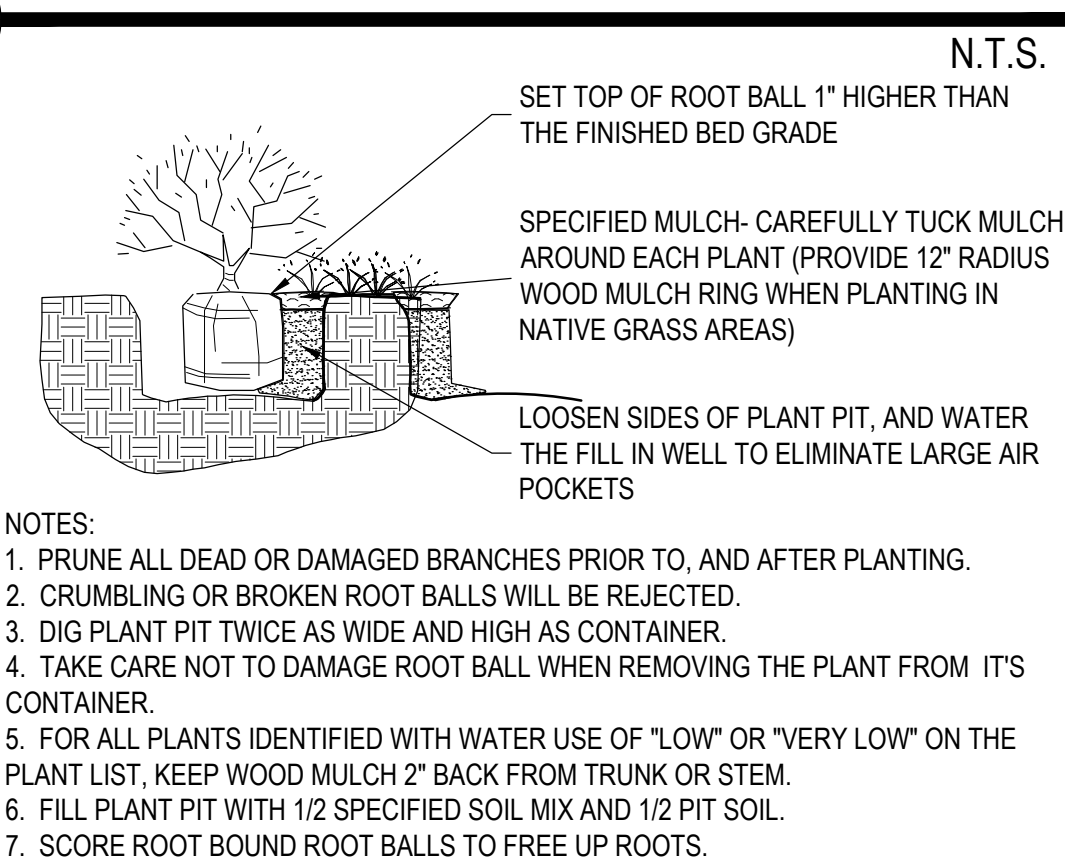
Pawnee Buttes Seed Mixes (www.pawneebuttesseed.com);
FBSI Low Grass Mix
Application Rate: 5 LBS/1,000 SF



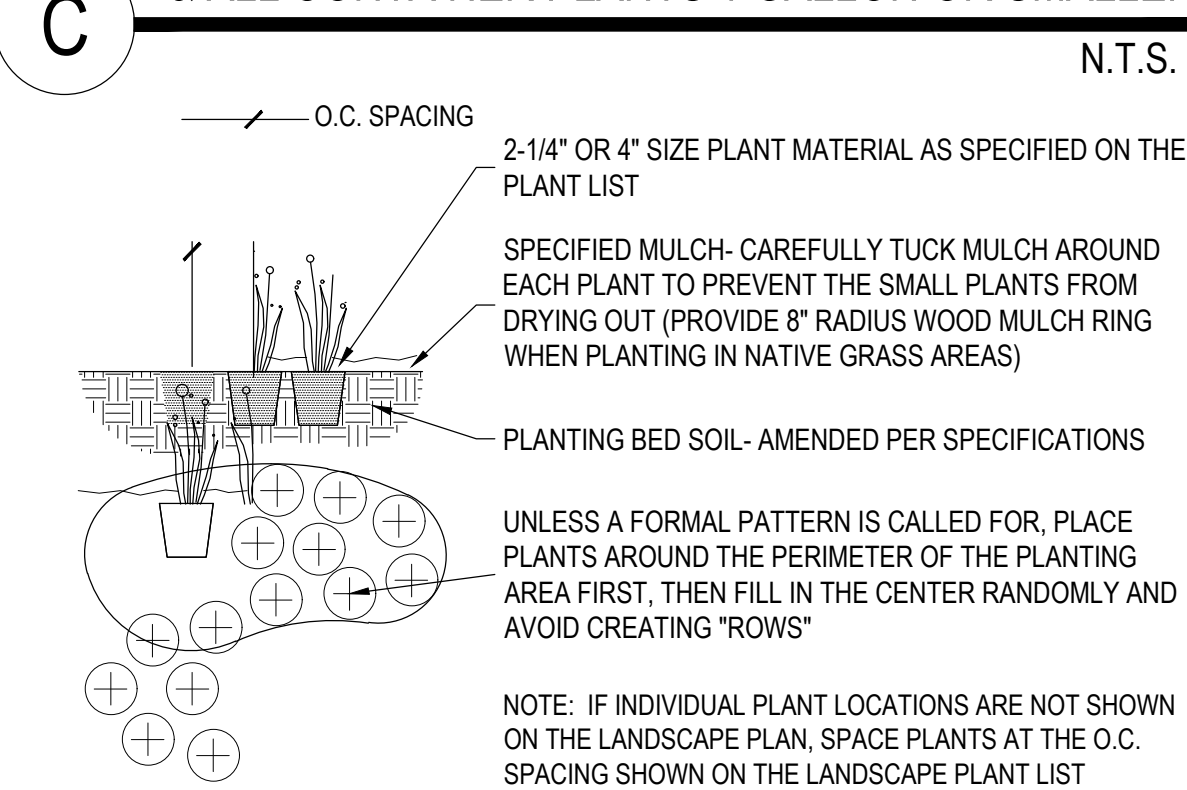
A PLANTING DETAIL FOR ALL TREES & B&B SHRUBS



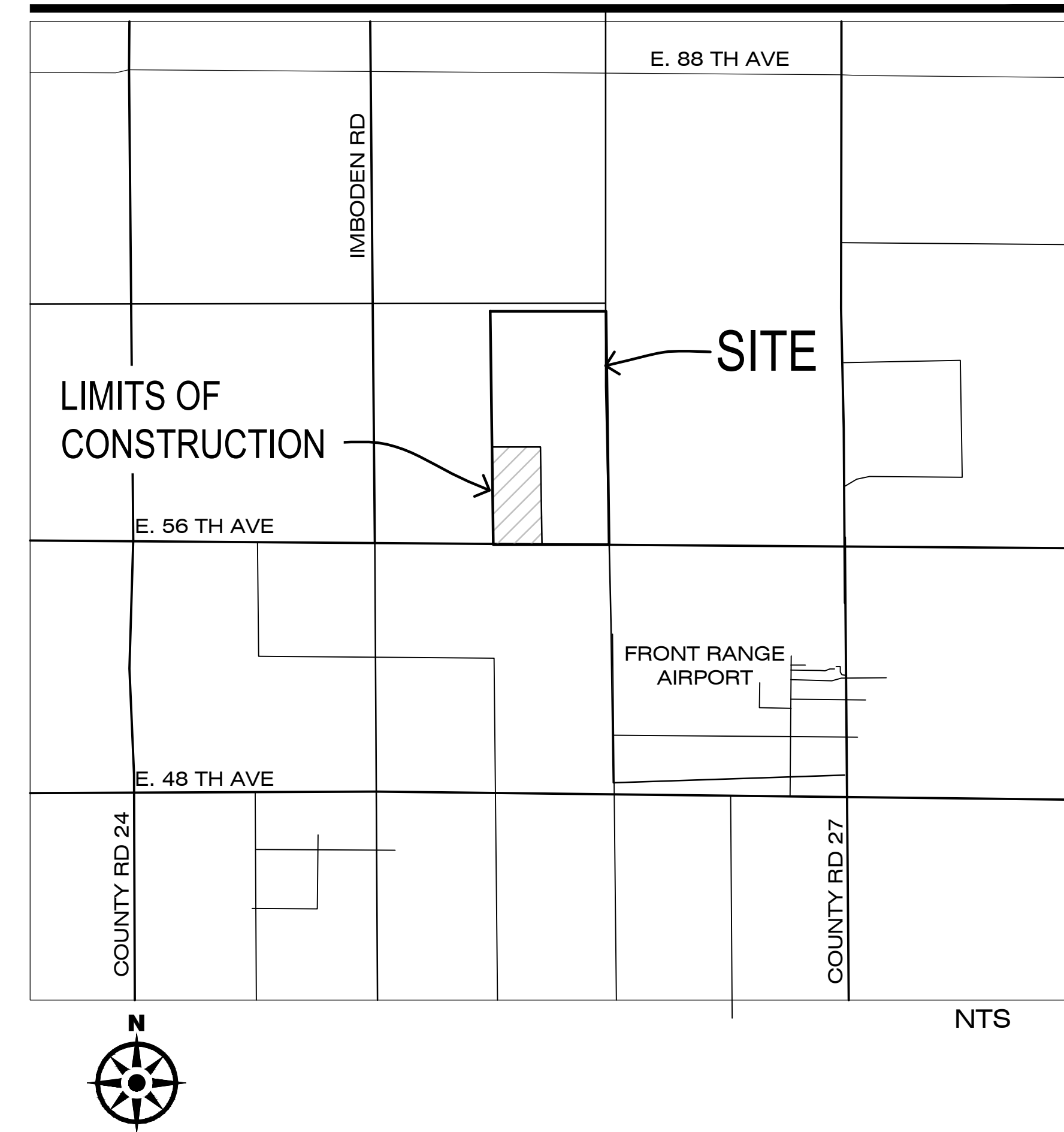
B PLANTING DETAIL FOR SHRUBS, AND ALL CONTAINER PLANTS LARGER THAN 1 GALLON



C PLANTING DETAIL FOR PERENNIALS, ANNUALS, & ALL CONTAINER PLANTS 1 GALLON OR SMALLER



VICINITY MAP



IRRIGATION NOTES

1. BED AREAS SHALL BE IRRIGATED BY INDIVIDUAL DRIP EMITTERS TO EACH PLANT. DRIP COMPONENTS SHALL BE COMMERCIAL GRADE RAIN-BIRD OR EQUAL POINT SOURCE EMITTERS, WITH ALL PLANTS RECEIVING IRRIGATION.
2. REFER TO "IRRIGATION DRIP EMITTER SCHEDULE" IN THIS DRAWING SET FOR QUANTITIES AND SIZES OF DRIP EMITTERS DEPENDING ON THE WATER NEEDS OF EACH PARTICULAR PLANT.
3. VALVES AND VALVE BOXES SHALL BE COMMERCIAL GRADE WITH PRESSURE REDUCING VALVES USED FOR ALL DRIP ZONES.
4. CONTRACTOR SHALL INSTALL A NEW IRRIGATION CONTROLLER FOR THESE IMPROVEMENTS. 120 V POWER WILL BE REQUIRED WITHIN 5' OF CONTROLLER LOCATION.
5. CONTRACTOR SHALL INSTALL A NEW IRRIGATION BACKFLOW PREVENTER FOR THESE IMPROVEMENTS (SEE LOCATION ON PLANS).
6. CONTRACTOR SHALL VERIFY WATER PRESSURE AND FLOW AVAILABLE FOR THE IRRIGATION SYSTEM, AND SHALL NOTIFY THE LANDSCAPE ARCHITECT AND OWNER IMMEDIATELY IF PRESSURE OR FLOW IS INADEQUATE.
7. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL SLEEVES REQUIRED FOR IRRIGATION. CONTRACTOR SHOULD COORDINATE WITH THOSE INSTALLING FLATWORK, TO AVOID BORING UNDER WALKS, IF POSSIBLE. CONTRACTOR SHALL INCLUDE IN THEIR BID, ALL COSTS ASSOCIATED WITH LOCATING, EXPOSING, AND BACKFILLING SLEEVES UP TO, AND INCLUDING, A DEPTH OF 60 INCHES.
8. INSTALL (1) 4" CLASS 200 PVC SLEEVE AND (1) 2" CLASS 200 PVC SLEEVE SIDE BY SIDE AT ALL VEHICLE DRIVE CROSSINGS. INSTALL (1) 4" CLASS 200 PVC SLEEVE AT ALL SIDEWALK CROSSINGS. DEPTH OF SLEEVES SHALL BE 24" MIN.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
10. THE CONTRACTOR SHALL SET THE IRRIGATION CLOCK FOR A TWO-WEEK ESTABLISHMENT PERIOD FOR THE PLANTS. CONTRACTOR IS RESPONSIBLE TO RE-SET THE CLOCK FOR NORMAL OPERATION FOR THE REMAINING SEASON AFTER THE TWO WEEK ESTABLISHMENT PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEAD PLANT MATERIAL RESULTING FROM OVER WATERING.
11. THE PLANT MATERIALS SPECIFIED FOR THIS PROJECT ARE MOSTLY LOW WATER-USE PLANTS. THE CONTRACTOR SHALL CONSULT WITH THE OWNER, AND THE LANDSCAPE ARCHITECT IF POSSIBLE, PRIOR TO SETTING THE CLOCK FOR IRRIGATION TIMES AFTER THE TWO WEEK ESTABLISHMENT PERIOD.

GENERAL LANDSCAPE NOTES

1. ALL LOW PERENNIAL AND GROUND COVER PLANTING AREAS SHALL BE MULCHED WITH SHREDDED WESTERN RED CEDAR WOOD MULCH, AT A DEPTH OF 2". WEED BARRIER FABRIC IS NOT REQUIRED UNDER WOOD MULCH.
2. ALL PLANTING BED AREAS SHALL BE MULCHED WITH 1-1/2" GRAY ROSE MULTI-COLORED RIVER ROCK, AT A DEPTH OF 3". INSTALLED OVER PERMEABLE WEED BARRIER FABRIC. DO NOT INSTALL EDGING BETWEEN WOOD MULCH AND ROCK MULCH AREAS.
3. STEEL LANDSCAPE EDGER SHALL BE 14 GAUGE ROLLED TOP STEEL EDGING IN THE LOCATIONS SHOWN ON THE PLANS. EDGER IS NOT REQUIRED WHERE SOD ABUTS CONCRETE.
4. ALL AREAS TO BE LANDSCAPED SHALL HAVE ORGANIC AMENDMENTS THOROUGHLY INCORPORATED INTO THE SOIL AT A RATE OF 5 CUBIC YARDS PER 1,000 SQUARE FEET, AND TILLED TO A DEPTH OF 6 INCHES.
5. ALL LANDSCAPE AREAS SHALL BE FINE GRADED PRIOR TO INSTALLATION OF NEW PLANT MATERIAL, ROCKS, WOOD, AND ANY MATERIAL LARGER THAN 1" IN DIAMETER SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO SODDING AND PLANTING NEW MATERIALS.
6. EXISTING TURF, SHRUBS, TREES, AND PLANT MATERIAL TO BE REMOVED SHALL BE FULLY REMOVED FROM THE SITE, INCLUDING ALL ROOTS.
7. ALL LANDSCAPED AREAS SHALL BE WATERED BY A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
8. BED AREAS SHALL BE IRRIGATED BY INDIVIDUAL DRIP EMITTERS TO EACH PLANT. DRIP COMPONENTS SHALL BE COMMERCIAL GRADE RAIN-BIRD OR EQUAL POINT SOURCE EMITTERS, WITH ALL PLANTS RECEIVING IRRIGATION.

LANDSCAPE MAINTENANCE NOTES

1. THE LANDOWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND KEEP IN GOOD CONDITION ALL THOSE LOCATIONS INDICATED ON THE APPROVED LANDSCAPE PLAN, AND ALL VEGETATION, IRRIGATION SYSTEM SCREENING DEVICES AND OTHER LANDSCAPE COMPONENTS SO AS TO PRESENT A HEALTHY SAFE AND ORDERLY SITE.
2. ALL PLANTS SHALL BE MAINTAINED CONTINUALLY IN A HEALTHY CONDITION IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL HORTICULTURAL STANDARDS AND PRACTICES. PLANTS THAT DIE OR ARE UNHEALTHY SHALL BE REPLACED. REGULAR PRUNING AND TRIMMING SHALL APPLY TO MAINTAIN HEALTH AND AN ATTRACTIVE APPEARANCE AND TO PERMIT THE PLANTS TO ACHIEVE THEIR INTENDED FORM AND HEIGHT. LANDSCAPE AREAS SHALL REMAIN FREE OF WEEDS, LITTER, JUNK, RUBBISH AND OTHER NUISANCES AND OBSTRUCTIONS. TO PREVENT WEED GROWTH, EROSION AND BLOWING DUST, AREAS NOT COVERED BY VEGETATION SHALL BE COVERED WITH MULCH, WOOD OR BARK CHIPS, OR DECORATIVE ROCKS OR COBBLE, OR SIMILAR NATURAL MATERIALS PROVIDING A CLEAN, UNIFORM APPEARANCE. SHALL BE COMMERCIAL

COPELAND PRECAST CONCRETE
Watkins, Colorado 80137

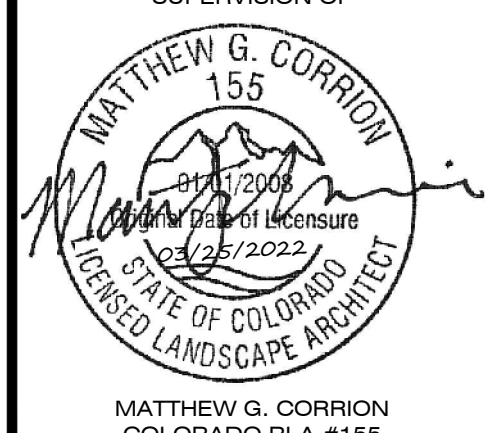
Applicant:
Birt Copeland
904 S. Lipan St.
Denver, CO 80223

Landscape
Plans

Issue Dates

Date:	Notes:
06-05-19	Client review
08-12-19	Client review
07-02-20	Client review
10-22-20	FINAL SET
09-08-21	Revision
03-25-22	Revision

PREPARED UNDER THE
SUPERVISION OF



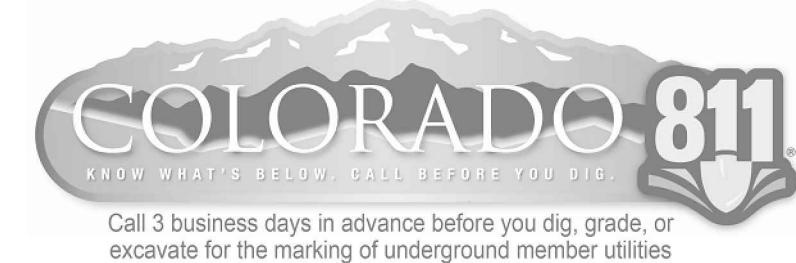
MATTHEW G. CORRION
COLORADO RLA #155

This document and the designs and ideas herein are the property of Outdoor Design Group, Inc. For use as an instrument of the professional services pursuant to the agreement for the specific project between the Client and Outdoor Design Group. This document and the designs and ideas herein shall not be used, disseminated, or duplicated for any other project or for any other commercial use without the written consent of Outdoor Design Group, Inc.

Sheet

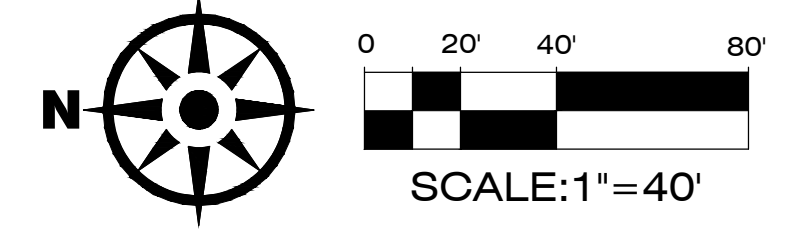
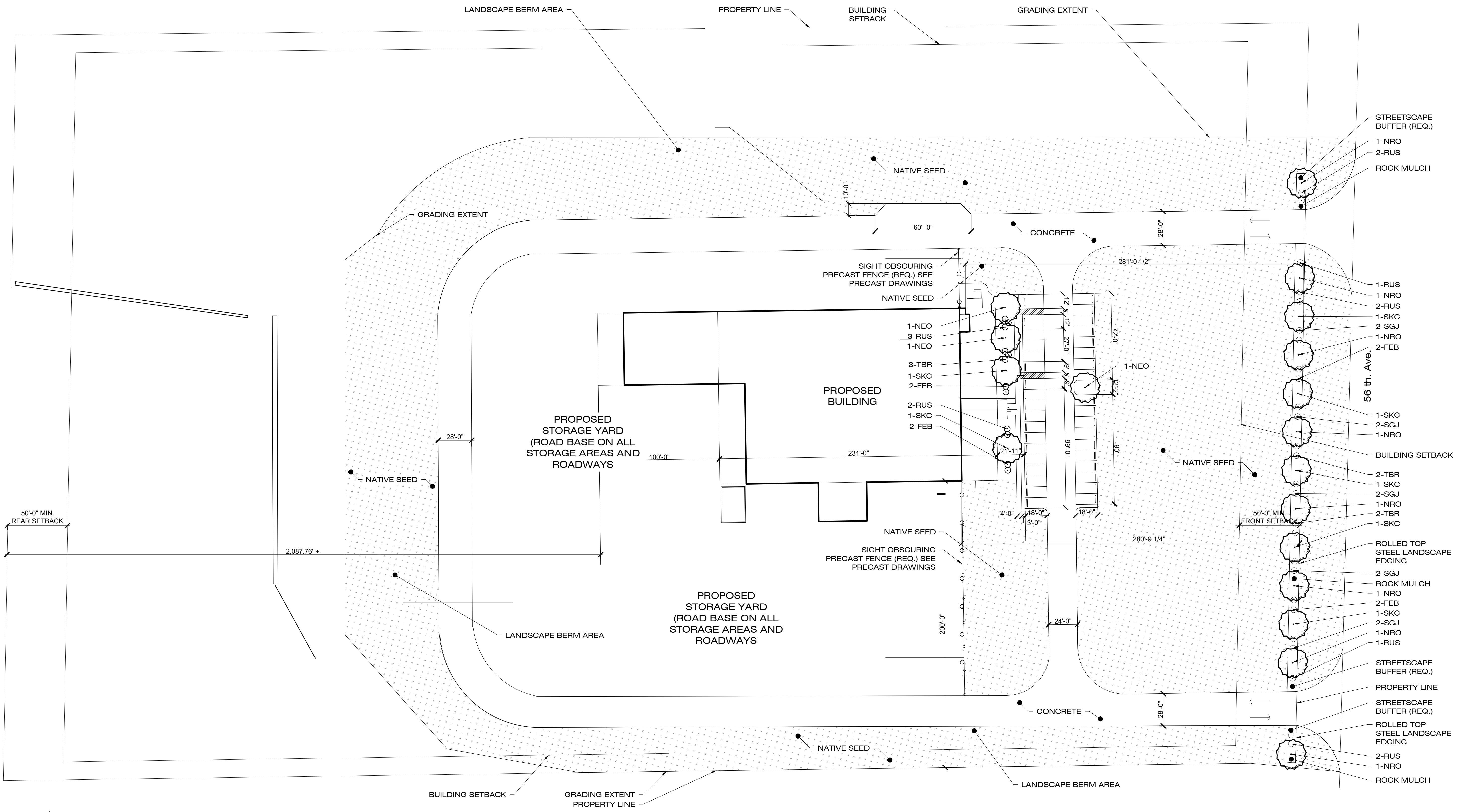
L1

Landscape Cover
Sheet & Plant List



LANDSCAPE PLAN

COPELAND PRECAST CONCRETE
Watkins, Colorado 80137



STREETSCAPE BUFFER CALCULATIONS

DESCRIPTION	REQ.	PROVIDED
56th Ave. - 517 LF		
(517 LF / 40) x 1 TREE	13	13
x 2 SHRUBS	26	26

NATIVE SEEDING - DRYLAND MIX
Pawnee Buttes Seed Mixes (www.pawneebuttesseed.com).
PBSI Low Grow Mix
Application Rate: 5 LBS/1,000 SF
(Non-irrigated)

Applicant:
Bart Copeland
904 S. Lipan St.
Denver, CO 80223

Landscape Plans

Issue Dates

Date	Notes
06-05-19	Client review
08-12-19	Client review
07-02-20	Client review
10-22-20	FINAL SET
09-08-21	Revision
03-25-22	Revision

PREPARED UNDER THE SUPERVISION OF
MATTHEW G. CORRION
155
11/11/2008
11/11/2008
11/11/2008
11/11/2008
11/11/2008
STATE OF COLORADO
LICENSED LANDSCAPE ARCHITECT
MATTHEW G. CORRION
COLORADO RLA #155

This document and the designs and ideas herein are the property of Outdoor Design Group, Inc. for use as an instrument of the professional services pursuant to the agreement for this specific project between the Client and Outdoor Design Group. This document and the designs and ideas herein shall not be used, disseminated, or duplicated for any other project or for any other commercial use without the written consent of Outdoor Design Group, Inc.



Sheet
L2
Landscape Plan



Community & Economic Development Department

4430 South Adams County Parkway,
1st Floor, Suite W2000
Brighton, CO 80601-8205
PHONE 720.523.6800 FAX 720.523.6998

MEMORANDUM

Case Name: Copeland Holdings LLC - Landscape Relief
Case Number: VSP2020-00018
Date: September 3, 2020

Request: The applicant is requesting administrative relief from the following sections of the Adams County Development Standards and Regulations:

- Section 4-16-06-01 (Bufferyards)
 - Bufferyard D (Between a new industrial uses and existing Agricultural uses) requires a 15-foot minimum bufferyard width with three (3) trees per (60) linear feet of lot line and a six (6) foot high sight obscuring fence or wall located on the interior line of the buffer yard.
 - The applicant has proposed a landscape buffer to be installed around the perimeter of the outdoor storage area. The perimeter landscape buffer includes a landscape berm to provide additional screening.

Address/PIN: 0181700000018

Zone Designation: Industrial-1

Future Land Use Designation: Mixed Use Employment

Minor Amendment	Complies with Criteria
The strict application of the regulations in question is unreasonable given the development proposal or the measures proposed by the applicant or the property has extraordinary or exceptional physical conditions or unique circumstances which do not generally exist in nearby properties in the same general area and such conditions will not allow a reasonable use of the property in its current zone in absence of relief.	Yes, the strict application of the regulations in question would require the applicant to plant and manage landscaping that does not normally exist in this area.
The intent of the landscaping section and the specific regulations in question is preserved.	The intent of the landscape section and the specific regulations in question are being preserved. Specific landscaping around the outdoor storage, as well as a landscaped berm, will be provided for additional screening measures. The applicant is also proposing sufficient landscape buffering along the street frontage.

<p>The granting of the administrative relief will not result in an adverse impact upon surrounding properties.</p>	<p>Granting administrative relief will not result in an adverse impact upon the surrounding areas because the buffer that is being proposed will mitigate the impacts on the east side of the property. The remaining adjacent properties will not be impacted by the development.</p>
--	--

Staff Evaluation

Per Section 4-16, all new developments are required to install landscape material as an integral part of the site design and development process. Pursuant to Section 4-16-06-01, the applicant has applied for relief from certain landscape requirements, including a Type D bufferyard between a new industrial use and an existing agriculturally zoned property that requires a 15-foot landscape bufferyard and 6-foot screen fence between the uses.

The requirements of this section apply to the entire site, but the applicant is looking for relief from buffering the east property line of the site, which abuts an agriculturally zoned parcel. Specifically, this request is to eliminate the number of trees required along the eastern edge of the property, as well as the required 6-foot privacy fence.

The applicant has stated that the physical conditions on the property and the Type D bufferyard are unreasonable considering the surrounding landscape, as well as the amount of irrigation required to sustain such landscaping in such a rural area. The applicant states that this would help maintain a uniform landscape, as well as save a large amount on water usage each year, while providing no negative impacts to surrounding properties.

The intent of the landscaping regulations is being preserved because the proposed landscaping berm and native grass seed will adequately buffer the east side of the property from the agriculturally zoned piece of land. Granting this administrative relief will not result in an adverse impact upon surrounding properties because the large berm. Street frontage along East 56th Avenue will have landscaping in conformance with the regulations. The remaining boundary of the development abuts additional property within the same parcel.

Staff is recommending that a condition of approval that the applicant provides a landscaping plan to be reviewed and approved prior to issuance of a Certificate of Occupancy, with the landscaping to be installed at the beginning of the next planting season; a bond will be provided in lieu of the landscaping.

Staff recommends **APPROVAL** of this request for administrative relief based on 3 findings of fact.

1. The strict application of the regulations in question is unreasonable given the development proposal and the subject property has extraordinary and exceptional

physical conditions and such conditions will not allow a reasonable use of the property in its current zone in absence of relief;

2. The intent of the landscape regulations section and the specific regulations in question is preserved; and
3. The granting of administrative relief will not result in an adverse impact upon surrounding properties.

Recommended Conditions of Approval:

1. Provide a landscape plan that includes the types of vegetation that are being proposed, as well as the location of the landscaping. This plan must be submitted for review and approved prior to any issuance of Certificate of Occupancy. If landscaping is not installed this season, a landscape bond and agreement shall be provided to the County.
2. Living ground cover must be 50% established after the first growing season.
3. Landscape material must have a 100% survival rate after one year and a 90% survival rate thereafter.


Nick Eagleson
Senior Strategic Planner

Decision: Jen Rutter
Jen Rutter, Development Services Manager

Approval: 9/8/2020

SPECIAL WARRANTY DEED

State Doc Fee: \$90.00

 18000310200
\$33.00

THIS DEED is dated the 20th day of February, 2019, and is made between (whether one, or more than one),

Lester L. Lakey and
Floyd R. Ehmann Revocable Trust dated September 8, 2016 and
Karl F. Ehmann and/or Jeanette E. Ehmann, Trustees under Ehmann Revocable Trust, established June 17, 1996

the "Grantor" of the County of Denver and State of Colorado and

Copeland Holdings, LLC, a Colorado limited liability company

(whether one, or more than one), the "Grantee", whose legal address is **2 Robincrest Lane, Suite B-5, Littleton, CO 80123** of the County of Arapahoe and State of Colorado.

WITNESS, that the Grantor, for and in consideration of the sum of **Nine Hundred Thousand Dollars and No Cents (\$900,000.00)**, the receipt and sufficiency of which is hereby acknowledged, hereby grants, bargains, sells, conveys and confirms unto the Grantee and the Grantee's heirs and assigns forever, all the real property, together with any improvements thereon, located in the County of Adams and State of Colorado described as follows:

The West Half of the Southeast Quarter (W1/2 SE 1/4) of Section 8, Township 3 South, Range 64 West of the 6th P.M., County of Adams, State of Colorado,

EXCEPT the South 45.00 feet thereof deeded to Adams County in Resolution Accepting Deed recorded January 31, 1984 in Book 2835 at Page 807 and re-recorded February 8, 1984 in Book 2838 at Page 547.

also known by street address as: 78 Acres on East 56th Avenue, Watkins, CO 80137

TOGETHER with all and singular the hereditaments and appurtenances thereto belonging, or in anywise appertaining, the reversions, remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim and demand whatsoever of the Grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances;

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the Grantee, and the Grantee's heirs and assigns forever, The Grantor, for the Grantor and the Grantor's heirs and assigns, does covenant, grant, bargain, and agree that the Grantor shall and will **WARRANT THE TITLE AND DEFEND** the above described premises, in the quiet and peaceable possession of the Grantee and the heirs and assigns of the Grantee, against all and every person or persons claiming the whole or any part thereof, by, through, or under the Grantor except and subject to:

See Exhibit "A" attached hereto and made a part hereof

IN WITNESS WHEREOF, the Grantor has executed this deed on the date set forth above.

SEE ATTACHED SIGNATURE PAGE

SEE ATTACHED NOTARY ACKNOWLEDGEMENT

SPECIAL WARRANTY DEED

State Doc Fee: \$90.00



18000310200
\$33.00

THIS DEED is dated the 20th day of February, 2019, and is made between (whether one, or more than one),

Lester L. Lakey and
Floyd R. Ehmann Revocable Trust dated September 8, 2016 and
Karl F. Ehmann and/or Jeanette E. Ehmann, Trustees under Ehmann Revocable Trust, established June 17, 1996

the "Grantor" of the County of Denver and State of Colorado and

Copeland Holdings, LLC, a Colorado limited liability company

(whether one, or more than one), the "Grantee", whose legal address is 2 Robincrest Lane, Siute B-5, Littleton, CO 80123 of the County of Arapahoe and State of Colorado.

WITNESS, that the Grantor, for and in consideration of the sum of **Nine Hundred Thousand Dollars and No Cents (\$900,000.00)**, the receipt and sufficiency of which is hereby acknowledged, hereby grants, bargains, sells, conveys and confirms unto the Grantee and the Grantee's heirs and assigns forever, all the real property, together with any improvements thereon, located in the County of Adams and State of Colorado described as follows:

The West Half of the Southeast Quarter (W1/2 SE 1/4) of Section 8, Township 3 South, Range 64 West of the 6th P.M., County of Adams, State of Colorado,

EXCEPT the South 45.00 feet thereof deeded to Adams County in Resolution Accepting Deed recorded January 31, 1984 in Book 2835 at Page 807 and re-recorded February 8, 1984 in Book 2838 at Page 547.

also known by street address as: 78 Acres on East 56th Avenue, Watkins, CO 80137

TOGETHER with all and singular the hereditaments and appurtenances thereto belonging, or in anywise appertaining, the reversions, remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim and demand whatsoever of the Grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances;

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the Grantee, and the Grantee's heirs and assigns forever, The Grantor, for the Grantor and the Grantor's heirs and assigns, does covenant, grant, bargain, and agree that the Grantor shall and will **WARRANT THE TITLE AND DEFEND** the above described premises, in the quiet and peaceable possession of the Grantee and the heirs and assigns of the Grantee, against all and every person or persons claiming the whole or any part thereof, by, through, or under the Grantor except and subject to:

See Exhibit "A" attached hereto and made a part hereof

IN WITNESS WHEREOF, the Grantor has executed this deed on the date set forth above.

SEE ATTACHED SIGNATURE PAGE

SEE ATTACHED NOTARY ACKNOWLEDGEMENT

SIGNATURE AND NOTARY PAGE

Floyd R. Ehmann Revocable Trust dated September 8, 2016

By: *Floyd R. Ehmann*
Floyd R. Ehmann, Trustee

STATE OF ALASKA

COUNTY OF Third Judicial District

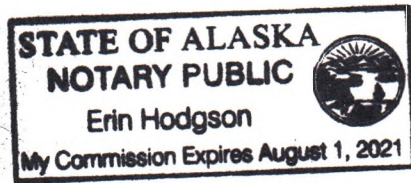
The foregoing instrument was acknowledged before me this 17th day of February, 2019 by Floyd R. Ehmann as Trustee of the Floyd R. Ehmann Revocable Trust dated September 8, 2016.

WITNESS MY HAND AND OFFICIAL SEAL.

My commission expires:

Aug 1 2022

Erin Hodgson
Notary Public



SIGNATURE AND NOTARY PAGE

Ehmann Revocable Trust, established June 17, 1996

By: Karl F. Ehmann
Karl F. Ehmann, Trustee

By: Jeanette E. Ehmann
Jeanette E. Ehmann, Trustee

STATE OF COLORADO

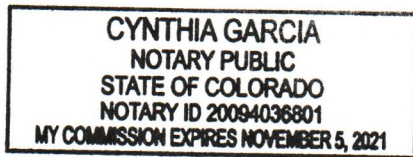
COUNTY OF Jefferson

The foregoing instrument was acknowledged before me this 19 day of February, 2019 by Karl F. Ehmann and Jeanette E. Ehmann as Trustees of the Ehmann Revocable Trust, established June 17, 1996.

WITNESS MY HAND AND OFFICIAL SEAL.

My commission expires:
11/05/2021

Cynthia Garcia
Notary Public
Colorado notary public



SIGNATURE AND NOTARY PAGE

Lester L. Lakey
Lester L. Lakey

STATE OF COLORADO
COUNTY OF Jefferson

The foregoing instrument was acknowledged before me this 19 day of February, 2019 by Lester L. Lakey.

WITNESS MY HAND AND OFFICIAL SEAL.

My commission expires:
May 30, 2020

[Signature]
Notary Public

CASSANDRA A. MONTGOMERY
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19924005076
MY COMMISSION EXPIRES MAY 30, 2020

EXHIBIT "A"
EXCEPTIONS TO TITLE

1. Taxes for the year 2019, and subsequent years; special assessments or charges not certified to the County Treasurer.
2. Reservations contained in QuitClaim Deed between the Union Pacific Railroad Company and Union Pacific Land Resources Corporation recorded April 14, 1971 in Book 1684 at Page 281.
NOTE: Release and Quitclaim Deed recorded November 23, 1998 in Book 5547 at Page 272.
3. Request for Notification of Surface Development recorded May 20, 2002 at Reception No. C0971787.
4. Mineral Deed recorded June 26, 2006 at Reception No. 20060626000646110.
5. Memorandum of Oil and Gas Lease recorded October 4, 2010 at Reception No. 2010000066720 and re-recorded February 7, 2012 at Reception No. 2012000008831.
Assignment of Oil and Gas Lease recorded November 9, 2011 at Reception No. 2011000078878 and re-recorded January 31, 2012 at Reception No. 2012000007210.
Notice of Lease Extension recorded July 18, 2013 at Reception No. 2013000062037.
Affidavit of Production recorded May 1, 2015 at Reception No. 2015000031847.
Memorandum of Joint Operating Agreement recorded May 4, 2016 at Reception No. 2016000034245.
Assignment, Bill of Sale and Conveyance recorded October 28, 2016 at Reception No. 2016000092569.
Assignment and Bill of Sale recorded November 28, 2016 at Reception No. 2016000102144.
6. Memorandum of Oil and Gas Lease recorded January 28, 2011 at Reception No. 2011000006675 and re-recorded February 9, 2012 at Reception No. 2012000009518.
Memorandum of Joint Operating Agreement recorded May 4, 2016 at Reception No. 2016000034245.
Assignment, Bill of Sale and Conveyance recorded October 28, 2016 at Reception No. 2016000092569.
Assignment and Bill of Sale recorded November 28, 2016 at Reception No. 2016000102144.
7. Memorandum of Oil and Gas Lease recorded February 2, 2011 at Reception No. 2011000007829 and re-recorded February 9, 2012 at Reception No. 2012000009524.
Affidavit of Production recorded May 1, 2015 at Reception No. 2015000031847.
Memorandum of Joint Operating Agreement recorded May 4, 2016 at Reception No. 2016000034245.
Assignment, Bill of Sale and Conveyance recorded October 28, 2016 at Reception No. 2016000092569.
Assignment and Bill of Sale recorded November 28, 2016 at Reception No. 2016000102144.
8. Mineral Deed, Conveyance, Assignment and Bill of Sale recorded December 3, 2014 at Reception No. 2014000084716.
9. Memorandum of Oil and Gas Lease recorded April 24, 2017 at Reception No. 2017000035003.
Memorandum of Oil and Gas Lease recorded April 24, 2017 at Reception No. 2017000035004.
Assignment of Oil and Gas Lease recorded August 15, 2017 at Reception No. 2017000070973.
Assignment and Bill of Sale recorded November 16, 2017 at Reception No. 2017000101574.
10. Easement, Right-of-Way, and Surface Use Agreement recorded June 27, 2017 at Reception No. 2017000054956.

11. **Farm Lease dated 3/1/09: Lessor - Karl Ehmann; Lessee - George Crook. Seller represents that: (a) The Lease is in good standing and that Seller has performed all past and current obligations of Lessor thereunder and that Lessee has performed all past and current obligations of Lessee thereunder; (b) Seller will pay and hold Buyer harmless from the cost of all fertilizer,**

REAL PROPERTY TRANSFER DECLARATION - (TD-1000)

GENERAL INFORMATION

Purpose: The Real Property Transfer Declaration provides essential information to the county assessor to help ensure fair and uniform assessments for all property for property tax purposes. Refer to 39-14-102(4), Colorado Revised Statutes (C.R.S.).

Requirements: All conveyance documents (deeds) subject to the documentary fee submitted to the county clerk and recorder for recordation must be accompanied by a Real Property Transfer Declaration. This declaration must be completed and signed by the grantor (seller) or grantee (buyer). Refer to 39-14-102(1)(a), C.R.S.

Penalty for Noncompliance: Whenever a Real Property Transfer Declaration does not accompany the deed, the clerk and recorder notifies the county assessor who will send a notice to the buyer requesting that the declaration be returned within thirty days after the notice is mailed.

If the completed Real Property Transfer Declaration is not returned to the county assessor within the 30 days of notice, the assessor may impose a penalty of \$25.00 or .025% (.00025) of the sale price, whichever is greater. This penalty may be imposed for any subsequent year that the buyer fails to submit the declaration until the property is sold. Refer to 39-14-102(1)(b), C.R.S.

Confidentiality: The assessor is required to make the Real Property Transfer Declaration available for inspection to the buyer. However, it is only available to the seller if the seller filed the declaration. Information derived from the Real Property Transfer Declaration is available to any taxpayer or any agent of such taxpayer subject to confidentiality requirements as provided by law. Refer to 39-5-121.5, C.R.S. and 39-13-102(5)(c), C.R.S.

-
- Address and/or legal description of the real property sold:** Please do not use P.O. box numbers.
78 Acres on East 56th Avenue Watkins, Colorado 80137
 - Type of property purchased:**
Single Family Residential Townhome Condominium Other _____
____ Multi-Unit Res ____ Commercial ____ Industrial ____
____ Agricultural ____ Mixed Use X Vacant Land
 - Date of closing:** February 20, 2019
Date of contract if different than closing: April 25, 2018
 - Total sale price:** Including all real and personal property. \$900,000.00
 - Was any personal property included in the transaction?** Personal property would include, but is not limited to, carpeting, draperies, free standing appliances, equipment, inventory, furniture. If the personal property is not listed, the entire purchase price will be assumed to be for the real property as per 39-13-102, C.R.S.
 Yes X No If yes, approximate value \$ _____ Describe _____
 - Did the total sale price include a trade or exchange of additional real or personal property?** If yes, give the approximate value of the goods or services as of the date of closing.
 Yes X No If yes, value \$ _____
If yes, does this transaction involve a trade under IRS Code Section 1031? Yes No
 - Was 100% interest in the real property purchased?** Mark "no" if only a partial interest is being purchased.
X Yes No If no, interested purchased _____%
 - Is this a transaction among related parties?** Indicate whether the buyer or seller are related. Related parties include persons within the same family, business affiliates, or affiliated corporations.
 Yes X No
 - Check any of the following that apply to the condition of the improvements at the time of purchase.**
 New Excellent Good Average Fair Poor Salvage X Vacant land.

If the property is financed, please complete the following.

- Total amount financed.** _____
- Type of financing:** (check all that apply)
 New
 Assumed

12. **Terms:**

Variable; Starting interest rate _____ %
 Fixed; Starting interest rate _____ %
 Length of time _____ years
 Balloon payment Yes No. If yes, amount _____ Due date _____

13. **Please explain any special terms, seller concessions, or financing and any other information that would help the assessor understand the terms of sale.**

For properties other than residential (Residential is defined as: single family detached, townhomes, apartments and condominiums) please complete questions 14-16 if applicable. Otherwise, skip to #17 to complete.

14. **Did the purchase price include a franchise or license fee?** Yes No
If yes, franchise or license fee value \$ _____

15. **Did the purchase price involve an installment land contract?** Yes No
If yes, date of contract _____

16. **If this was a vacant land sale, was an on-site inspection of the property conducted by the buyer prior to the closing?** Yes No

Remarks: Please include any additional information concerning the sale you may feel is important.

17. Signed this 20th day of February, 2019

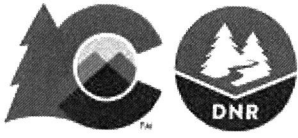
Buyer(s):

Copeland Holdings, LLC, a Colorado limited liability company

By: 
Bartholomew G. Copeland, Member

18. All future correspondence (tax bills, property valuations, etc.) regarding this property should be mailed to:

2 Robincrest Lane, Suite B-5 ()
Address (mailing) Daytime Phone
Littleton, CO 80123
City, State and Zip Code



July 02, 2021

COPELAND HOLDINGS (COPELAND, BART)
904 SOUTH LIPAN STREET
DENVER CO 80223

RE: Well Permit Number 84564 F
Located in the SW 1/4, of the SE 1/4, Section 8, Township 3 S, Range 64 W, S P.M.

NOTICE

This permit to construct a well was issued on 8/3/2020. The expiration date of the permit is 8/3/2021. In order for the permit to remain valid, certain actions must be taken by the well owner. As of this date, evidence of Well Construction has been provided but the Pump Installation and Production Equipment Test Report has not been received. Furthermore, a request for extension of the current expiration date has also not been received by the Division of Water Resources.

This permit was approved under Section 37-90-137(4), Colorado Revised Statutes. The well must be constructed and the pump installed prior to the expiration date of the permit. These reports are the responsibility of the licensed water well contractors, or the well owner if the work was performed by the owner. The Well Construction and Yield Estimate Report (GWS-31) and the Pump Installation and Production Equipment Test Report (GWS-32) must be received by the Division of Water Resources prior to the expiration date of the permit.

If pumping equipment has not been installed in the well, the well owner may request a one-time one-year extension of the expiration date on form GWS-64, General Request for Extension of Well Permit Expiration Date. The completed form must be received with a \$60 filing fee by the Division of Water Resources prior to the expiration date of the permit. If the expiration date has already been extended for one year, the statute does not allow more than one extension of time to be granted.

If the well has been constructed but pumping equipment will not be installed by the expiration date, and an extension of the expiration date has not been approved, the permit will expire and be of no force or effect. It will be necessary for you to obtain a new well permit by submitting a completed application for an existing well along with a \$100.00 filing fee.

Well permitting forms, including extension requests, and well construction/pump installation forms can be found on the forms page of the DWR website at this link: dwr.colorado.gov/forms Completed forms may be submitted as an attachment to an email addressed to DWRpermitsonline@state.co.us or printed and sent by mail to the address at the top of the form.

Should you have any questions, please contact our office through the AskDWR portal on our website. The link to AskDWR can be found under "Ask a Question" on the DWR homepage: dwr.colorado.gov. Thank-you for your immediate attention.





Permit Number	84564-F	Receipt	10004886
Permit Category	General Purpose	WDID	
Permit Status	Well Constructed		

THIS PAGE IS NOT THE ACTUAL PERMIT

The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. To view the actual permit, [click here](#), or navigate to Imaged Documents to view all documents related to this permit.

▼ **Application/Permit History**

Action History

Action	Action Date	Date Received	
Permit Expiration Date	8/3/2021		
Pump Installed	7/12/2021	7/13/2021	
Well Constructed	11/2/2020	12/30/2020	
Permit Issued	8/3/2020		
Application Information Submitted	7/31/2020	7/30/2020	
Application Information Requested	7/29/2020		Need info on the aquifer and pumping rate
Application Received	7/24/2020		



Permit to Install An On-site Waste Water Treatment System

PROPERTY INFORMATION:

OWNER INFORMATION: Bart Copeland

Address: 35582 E 56th Ave
 Watkins CO 80137

County: Adams

APN: 0181700000018

Dwelling Type: Commercial

No. of Bedrooms: 0

Water Supply: Private Well

Onsite ID: Commercial

Address: 904 S Lipan St, Denver, CO 80223-2717

Phone: (303) 936-4817

PERMIT INFORMATION: OWTS000014370

Permit Type: New Permit

System Design:

System Designed By: RMG Group

Design Number: 172373

Design Date: 10/10/2019

Electrical Inspection Required? Yes

Associated Professionals

Business Name:

Name:

OWTS Installer
 NAWT Certification:
 Exp.:
 Phone:
 Email:

Business Name: Rocky Mountain Engineer Design

Name: Matthew Meier
 14 Inverness Dr E, Suite E-136
 Englewood, CO 80112

OWTS Designer
 NAWT Certification: CI0002631
 Exp.:
 Phone: (303) 688-9474
 Email: mmeier@rmg-engineers.com

CONDITIONS FOR INSTALLATION

Installers must be licensed by Adams County Health Department. No installation shall be covered or used until inspected, correction made if necessary, and approved or expressly authorized by Adams County Health Department. The system installer must provide a record drawing before the system is covered.

LIMITATIONS AND DISCLAIMER

A permit to Install shall expire 1 Year from the date of issuance unless extended to a fixed date upon request by the Applicant and approved by Adams County Health Department.



Permit to Install An On-site Waste Water Treatment System

PROPERTY INFORMATION:

OWNER INFORMATION: Bart Copeland

Address: 35582 E 56th Ave Watkins
 CO 80137

County: Adams

APN: 0181700000018

Dwelling Type: Commercial
No. of Bedrooms: 0
Water Supply: Private Well

Onsite ID: Commercial

Address: 904 S Lipan St, Denver, CO 80223-2717

Phone: (303) 936-4817

PERMIT INFORMATION: OWTS000014370

Permit Type: New Permit

OWTS PERMIT COMMENTS

Install the system as per RMG Engineering design # 172373, REVISED on 8/5/2020.

Install one 1,060 gallon, two-compartment treatment tank, followed by a 1,060 gallon dosing tank. The tanks must be approved by CDPHE, and must be installed no deeper than 48 inches below grade with risers to grade. An effluent filter must be installed on the outlet invert of the treatment tank. The pump shall be an Orenco PF 5005 high head effluent pump or equivalent. The S series pump control panel must be equipped with an HOA switch, an audio/visual alarm, counter for the time the pump runs and the number of cycles the pump operates, and have an electrical disconnect in line of sight of the pump. The soil treatment area shall be 4,000 square foot NDDS field, with 4 zones of 5 lines, all the laterals shall be 100 feet long, with 1/4 inch holes on center facing down. The laterals must be Schedule 40 pipe, or Class 200 pipe. The laterals must be installed between 12 and 24 inches below grade due to groundwater encountered at 6.5'. Each zone must have one observation pipe at the far end of the zone. Observe all regulations setbacks that pertain to this site. Install all system components at depths specified relative to the site benchmark.

Permit Valid From 05/14/2024 to 05/14/2025

Issued By: Jeff McCarron
 Date of Issue: 05/14/2024



Right of Way & Permits

1123 West 3rd Avenue
Denver, Colorado 80223
Telephone: 303.571.3306
Facsimile: 303. 571.3284
donna.l.george@xcelenergy.com

March 1, 2019

Adams County Community and Economic Development Department
4430 South Adams County Parkway, 3rd Floor, Suite W3000
Brighton, CO 80601

Attn: Greg Barnes

Re: Copeland Precast, Case # RCU2019-00002

Public Service Company of Colorado's (PSCo) Right of Way & Permits Referral Desk has reviewed the request for the **Copeland Precast Rezone** and has no objection to this proposed rezone, contingent upon PSCo's ability to maintain all existing rights and this amendment should not hinder our ability for future expansion, including all present and any future accommodations for natural gas transmission and electric transmission related facilities.

The property owner/developer/contractor must complete the **application process** for any new natural gas or electric service via FastApp-Fax-Email-USPS (go to: https://www.xcelenergy.com/start_stop_transfer/new_construction_service_activation_for_builders). It is then the responsibility of the developer to contact the Designer assigned to the project for approval of design details. Additional easements may need to be acquired by separate document for new facilities.

As a safety precaution, PSCo would like to remind the developer to call the **Utility Notification Center** at 1-800-922-1987 to have all utilities located prior to any construction.

Donna George
Right of Way and Permits
Public Service Company of Colorado / Xcel Energy
Office: 303-571-3306 – Email: donna.l.george@xcelenergy.com

904 S. Lipan Street, Denver, CO 80223
Phone 303-601-8369
www.copelandprecast.com

Legal Description

A PARCEL OF PROPERTY LOCATED IN SECTION 8, TOWNSHIP 3 SOUTH, RANGE 64
WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF ADAMS, STATE OF
COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 8 EXCEPT THE SOUTH 45.00
FEET.
PARCEL OF PROPERTY CONTAINS 78.6 ACRES MORE OR LESS.

ADDRESS: 35582 EAST 56TH AVE., WATKINS, CO 80437

Summary

Account Id R0083297

Parcel Number 0181700000018



ALEXANDER L. VILLAGRAN
ADAMS COUNTY TREASURER & PUBLIC TRUSTEE
4430 S. ADAMS COUNTY PARKWAY
BRIGHTON, COLORADO 80601 (720) 523-6160

REAL ESTATE PROPERTY TAX NOTICE
2023 TAXES DUE IN 2024

ACCOUNT# R0083297
PARCEL # 0181700000018
TAX DISTRICT # 395

TAX AUTHORITY	TAX LEVY	TEMP TAX CREDIT	GENERAL TAX	VALUATION	ACTUAL	ASSESSED
RANGEVIEW LIBRARY DISTRICT	3.65300	0.00000	\$9.17	NET TOTAL	\$9,513	\$2,510
FIRE DISTRICT 7 - BENNETT	13.27900	0.00000	\$33.33			
ADAMS COUNTY	26.83500	0.00000	\$67.36			
SD 29	25.28300	0.00000	\$63.47			
URBAN DRAINAGE SOUTH PLAT	0.10000	0.00000	\$0.25			
URBAN DRAINAGE & FLOOD CO	0.90000	0.00000	\$2.26			
TOTAL	NET LEVY--> 70.05000		\$175.84			
	GRAND TOTAL		\$175.84			

THIS IS THE ONLY TAX BILL THAT YOU WILL RECEIVE!



See insert for Senior/Disabled Veteran exemptions and E-Statement instructions.
Email Verification code: 6DYGVHBY

SB 25 - In absence of State Legislative Funding, your school mill levy would have been: 56.4920

LEGAL DESCRIPTION OF PROPERTY
SECT. TWN,RNG.8-3-64 DESC: W2 SE4 AND EXC S 45 FTAND EXC RD (2021000036623)
77/8799A

PAYMENT	DUE DATE	AMOUNT
FIRST HALF	FEB 29, 2024	\$87.92
SECOND HALF	JUN 15, 2024	\$87.92
FULL PAYMENT	APR 30, 2024	\$175.84

PAY TAXES ONLINE AT: WWW.ADCOTAX.COM



Make Checks Payable To: Adams County Treasurer
POST DATED CHECKS ARE NOT ACCEPTED
PARTIAL PAYMENTS ARE NOT ACCEPTED
If you have sold this property, please forward this statement to the new owner or return to this office marked "property sold."
IF YOUR TAXES ARE PAID BY A MORTGAGE COMPANY, KEEP THIS NOTICE FOR YOUR RECORDS.
Please see reverse side of this form for additional information.



R0083297
COPELAND HOLDING LLC
6397 W PRENTICE AVE
LITTLETON, CO 80123-5195

1-30-24_04

RETAIN TOP PORTION FOR YOUR RECORDS

COPELAND HOLDINGS, LLC
6397 W PRENTICE AVE
LITTLETON, CO 80123-5195

23-101/1020

1063

DATE

02-26-24

PAY TO THE ORDER OF Adams County Treasurer

\$ 175.84

One hundred seventy five ⁸⁴/₁₀₀

DOLLARS



CHASE

JPMorgan Chase Bank, N.A.
www.Chase.com

MEMO RC083297

⑆ 10200 1017⑆

27299 1297⑆ 1063

Broke Copeland

MP



September 7, 2018

Mr. Bart Copeland
Copeland Precast
904 S. Lipan Street
Denver, CO 80223

Re: Copeland Precast
Traffic Impact Analysis
Adams County, CO
LSC #180930

Dear Mr. Copeland:

In response to your request, LSC Transportation Consultants, Inc. has prepared this traffic impact analysis for the proposed Copeland Precast development. As shown on Figure 1, the site is located north of E. 56th Avenue and east of Imboden Road in Adams County, Colorado.

REPORT CONTENTS

The report contains the following: the existing roadway and traffic conditions in the vicinity of the site including the lane geometries, traffic controls, posted speed limits, etc.; the existing weekday peak-hour traffic volumes; the existing daily traffic volumes in the area; the typical weekday site-generated traffic volume projections for the site; the assignment of the projected traffic volumes to the area roadways; the projected short-term and long-term background and resulting total traffic volumes on the area roadways; the site's projected traffic impacts; and any recommended roadway improvements to mitigate the site's traffic impacts.

LAND USE AND ACCESS

The site is proposed to be built in two phases. Phase 1 is proposed to include about 4,000 square feet of office space and about 20,000 square feet of manufacturing space. Phase 2 is estimated to include a 741,000 square-foot industrial park. This density is based on the 68 acres in Phase 2 developing at a floor area ratio of about 0.25. Access is proposed to E. 56th Avenue from one full movement location for each phase. Figure 2a shows the Phase 1 site plan and Figure 2b shows the overall site plan.

ROADWAY AND TRAFFIC CONDITIONS

Area Roadways

The major roadways in the site's vicinity are shown on Figure 1 and are described below.

- **E. 56th Avenue** is an east-west, two-lane roadway south of the site. The intersection with Imboden Road is stop-sign controlled. The posted speed limit in the vicinity of the site is 55 mph. The *2012 Adams County Transportation Plan* shows E. 56th Avenue as a future six-lane principal arterial. It is assumed to be four lanes by 2040.
- **Imboden Road** is a north-south, two-lane roadway west of the site. The intersection with E. 56th Avenue is stop-sign controlled. The posted speed limit in the vicinity of the site is 45 mph. The *2012 Adams County Transportation Plan* shows Imboden Road as a future six-lane principal arterial. It is assumed to be four lanes by 2040.

Existing Traffic Conditions

Figure 3 shows the existing lane geometries, traffic controls, posted speed limits, and traffic volumes in the site's vicinity on a typical weekday. The weekday peak-hour traffic and daily traffic volumes are from the attached traffic counts conducted by Counter Measures in August, 2018.

2020 and 2040 Background Traffic

Figure 4 shows the estimated 2020 background traffic and Figure 5 shows the estimated 2040 background traffic. The 2020 background traffic is based on an annual growth rate of three percent. The 2040 background traffic is based on the projected 2035 volumes from the 2012 *Adams County Transportation Plan* grown for five years at an annual rate of two percent.

Existing, 2020, and 2040 Background Levels of Service

Level of service (LOS) is a quantitative measure of the level of congestion or delay at an intersection. Level of service is indicated on a scale from "A" to "F." LOS A is indicative of little congestion or delay and LOS F is indicative of a high level of congestion or delay. Attached are specific level of service definitions for signalized and unsignalized intersections.

The intersections in the study area were analyzed to determine the existing, 2020, and 2040 background levels of service using Synchro. Table 1 shows the level of service analysis results. The level of service reports are attached.

- **E. 56th Avenue/N. Imboden Road:** All movements at this unsignalized intersection currently operate at LOS "B" or better during both morning and afternoon peak-hours and are expected to do so through 2020. By 2040, this intersection is expected to be signalized and as such is expected to operate at LOS "C" during both peak-hours.

TRIP GENERATION

Table 2 shows the estimated average weekday, morning peak-hour, and afternoon peak-hour trip generation for the proposed site based on the rates from *Trip Generation, 10th Edition, 2017* by the Institute of Transportation Engineers (ITE).

Phase 1 of the site is projected to generate about 118 vehicle-trips on the average weekday, with about half entering and half exiting during a 24-hour period. During the morning peak-hour, which generally occurs for one hour between 6:30 and 8:30 a.m., about 14 vehicles would enter

and about 4 vehicles would exit the site. During the afternoon peak-hour, which generally occurs for one hour between 4:00 and 6:00 p.m., about 5 vehicles would enter and about 13 vehicles would exit.

At buildout, the overall site is projected to generate about 2,614 vehicle-trips on the average weekday, with about half entering and half exiting during a 24-hour period. During the morning peak-hour, which generally occurs for one hour between 6:30 and 8:30 a.m., about 254 vehicles would enter and about 60 vehicles would exit the site. During the afternoon peak-hour, which generally occurs for one hour between 4:00 and 6:00 p.m., about 67 vehicles would enter and about 247 vehicles would exit.

TRIP DISTRIBUTION

Figure 6 shows the estimated directional distribution of the site-generated traffic volumes on the area roadways. The estimates were based on the location of the site with respect to the regional population, employment, and activity centers; the site's proposed land use; and the traffic counts.

TRIP ASSIGNMENT

Figure 7a shows the estimated Phase 1 site-generated traffic volumes based on the directional distribution percentages (from Figure 6) and the Phase 1 trip generation estimate (from Table 2).

Figure 7b shows the estimated Buildout site-generated traffic volumes based on the directional distribution percentages (from Figure 6) and the Buildout trip generation estimate (from Table 2). Phase 1 will use the western access and Phase 2 will use the eastern access.

2020 AND 2040 TOTAL TRAFFIC

Figure 8 shows the 2020 total traffic which is the sum of the 2020 background traffic volumes (from Figure 4) and the Phase 1 site-generated traffic volumes (from Figure 7a). Figure 8 also shows the recommended 2020 lane geometry and traffic control.

Figure 9 shows the 2040 total traffic which is the sum of 2040 background traffic volumes (from Figure 5) and the Buildout site-generated traffic volumes (from Figure 7b). Figure 9 also shows the recommended 2040 lane geometry and traffic control.

PROJECTED LEVELS OF SERVICE

The intersections in the study area were analyzed to determine the 2020 and 2040 total levels of service. Table 1 shows the level of service analysis results. The level of service reports are attached.

- **E. 56th Avenue/N. Imboden Road:** All movements at this unsignalized intersection are expected to operate at LOS "B" or better during both morning and afternoon peak-hours through 2020. By 2040, this intersection is expected to be signalized and as such is expected to operate at LOS "C" during both morning and afternoon peak-hours.

- **E. 56th Avenue/Phase 1 Site Access:** All movements at this unsignalized intersection are expected to operate at LOS “A” during both morning and afternoon peak-hours through 2040.
- **E. 56th Avenue/Phase 2 Site Access:** All movements at this unsignalized intersection are expected to operate at LOS “D” or better during both morning and afternoon peak-hours through 2040.

CONCLUSIONS AND RECOMMENDATIONS

Trip Generation

1. Phase 1 of the site is projected to generate about 118 vehicle-trips on the average weekday, with about half entering and half exiting during a 24-hour period. During the morning peak-hour, about 14 vehicles would enter and about 4 vehicles would exit the site. During the afternoon peak-hour, about 5 vehicles would enter and about 13 vehicles would exit.
2. At buildout, the overall site is projected to generate about 2,614 vehicle-trips on the average weekday, with about half entering and half exiting during a 24-hour period. During the morning peak-hour, about 254 vehicles would enter and about 60 vehicles would exit the site. During the afternoon peak-hour, about 67 vehicles would enter and about 247 vehicles would exit.

Projected Levels of Service

3. All movements at the intersections analyzed are expected to operate at LOS “D” or better through 2040 with the recommended improvements.

Conclusions

4. The impact of the proposed Copeland Precast development can be accommodated by the existing and planned roadway network with the following recommended improvements.

Recommendations for Phase 1

5. The site access approach to E. 56th Avenue should be stop-sign controlled.
6. No turn lanes are recommended for Phase 1 but it may be appropriate to dedicate right-of-way or contribute towards future paving of E. 56th Avenue between N. Imboden Road and the site access. An eastbound left-turn lane is recommended when E. 56th Avenue is widened to four lanes in the future. The length of the lane will be based on the posted speed limit at the time the lane is constructed.

Recommendations for Phase 2

7. Left-turn and right-turn lanes are recommended on E. 56th Avenue approaching the Phase 2 site access. The lengths of the lanes will be based on the posted speed limit at the time the lanes are constructed. Separate left- and right-turn lanes are recommended on

the site access approaching E. 56th Avenue and should be stop-sign controlled. The length of the southbound left-turn lane should be 200 feet.

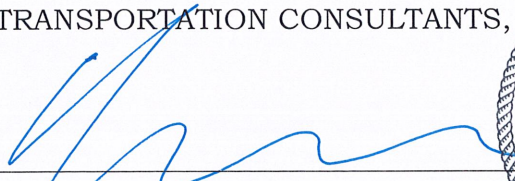
- 8. The intersection of E. 56th Avenue/N. Imboden Road will likely require a number of turn lanes by 2040. It may be appropriate for Phase 2 of development to contribute towards these improvements.
- 9. E. 56th Avenue and N. Imboden Road will likely need to be widened by 2040 to accommodate the projected volumes in the 2012 *Adams County Transportation Plan*. It may be appropriate for Phase 2 of development to contribute to the widening of E. 56th Avenue adjacent to the site.

* * * * *

We trust our findings will assist you in gaining approval of the proposed Copeland Precast development. Please contact me if you have any questions or need further assistance.

Sincerely,

LSC TRANSPORTATION CONSULTANTS, INC

By 
 Christopher S. McGranahan, PE, PTOE
 Principal



9-7-18

CSM/wc

- Enclosures:
- Tables 1 and 2
 - Figures 1 - 9
 - Traffic Count Reports
 - Level of Service Definitions
 - Level of Service Reports

**Table 1
Intersection Levels of Service Analysis
Copeland Precast
Adams County, CO
LSC #180930; September, 2018**

Intersection Location	Traffic Control	Existing Traffic		2020 Background		2020 Total		2040 Background		2040 Total	
		Level of Service AM	Level of Service PM	Level of Service AM	Level of Service PM	Level of Service AM	Level of Service PM	Level of Service AM	Level of Service PM	Level of Service AM	Level of Service PM
<u>E. 56th Avenue/N. Imboden Road</u>	TWSC										
NB Left		A	A	A	A	A	A	--	--	--	--
EB Left/Through		B	B	B	B	B	B	--	--	--	--
EB Right		A	A	A	A	A	A	--	--	--	--
WB Approach		B	B	A	B	B	B	--	--	--	--
SB Left		A	A	A	A	A	A	--	--	--	--
Critical Movement Delay		10.4	10.1	10.1	10.2	10.5	10.3	--	--	--	--
	Signalized										
EB Left		--	--	--	--	--	--	D	D	D	D
EB Through		--	--	--	--	--	--	D	C	D	C
EB Right		--	--	--	--	--	--	D	D	D	C
WB Left		--	--	--	--	--	--	D	D	D	D
WB Through		--	--	--	--	--	--	D	D	D	D
WB Right		--	--	--	--	--	--	D	D	D	D
NB Left		--	--	--	--	--	--	B	B	B	B
NB Through		--	--	--	--	--	--	B	B	B	B
NB Right		--	--	--	--	--	--	B	B	B	B
SB Left		--	--	--	--	--	--	B	B	B	B
SB Through		--	--	--	--	--	--	B	B	B	B
SB Right		--	--	--	--	--	--	C	B	C	C
Entire Intersection Delay (sec /veh)		--	--	--	--	--	--	27.8	30.0	27.8	32.7
Entire Intersection LOS		--	--	--	--	--	--	C	C	C	C
<u>E. 56th Avenue/Phase 1 Site Access</u>	TWSC										
EB Left or Approach		--	--	--	--	A	A	--	--	A	A
SB Approach		--	--	--	--	A	A	--	--	A	A
Critical Movement Delay		--	--	--	--	8.3	8.4	--	--	9.8	9.5
<u>E. 56th Avenue/Phase 2 Site Access</u>	TWSC										
EB Approach or Left		--	--	--	--	--	--	--	--	A	A
SB Left		--	--	--	--	--	--	--	--	D	B
SB Right		--	--	--	--	--	--	--	--	A	B
Critical Movement Delay		--	--	--	--	--	--	--	--	26.1	14.7

Table 2
ESTIMATED TRAFFIC GENERATION
Copeland Precast
Adams County, CO
LSC #180930; September, 2018

Trip Generating Category	Quantity	Trip Generation Rates ⁽¹⁾					Vehicle-Trips Generated				
		Average Weekday	AM Peak-Hour In	PM Peak-Hour Out	PM Peak-Hour In	Average Weekday	AM Peak-Hour In	PM Peak-Hour Out	PM Peak-Hour In	PM Peak-Hour Out	
PROPOSED LAND USE											
<u>Phase 1:</u>											
Office ⁽²⁾	4 KSF ⁽³⁾	9.74	0.998	0.162	0.184	0.966	39	4	1	1	4
Manufacturing ⁽⁴⁾	20 KSF	3.93	0.477	0.143	0.208	0.462	79	10	3	4	9
<i>Subtotal =</i>							118	14	4	5	13
<u>Phase 2:</u>											
Industrial Park ^{(5) (6)}	741 KSF	3.37	0.324	0.076	0.084	0.316	2,496	240	56	62	234
Grand Total =							2,614	254	60	67	247

Notes:

- (1) Source: *Trip Generation*, Institute of Transportation Engineers, 10th Edition, 2017.
- (2) ITE Land Use No. 710 - General Office Building
- (3) KSF = 1,000 square feet
- (4) ITE Land Use No. 140 - Manufacturing
- (5) ITE Land Use No. 130 - Industrial Park
- (6) The 68 acres of Industrial Park in Phase 2 was converted to KSF via a floor-area ratio (FAR) of 0.25.

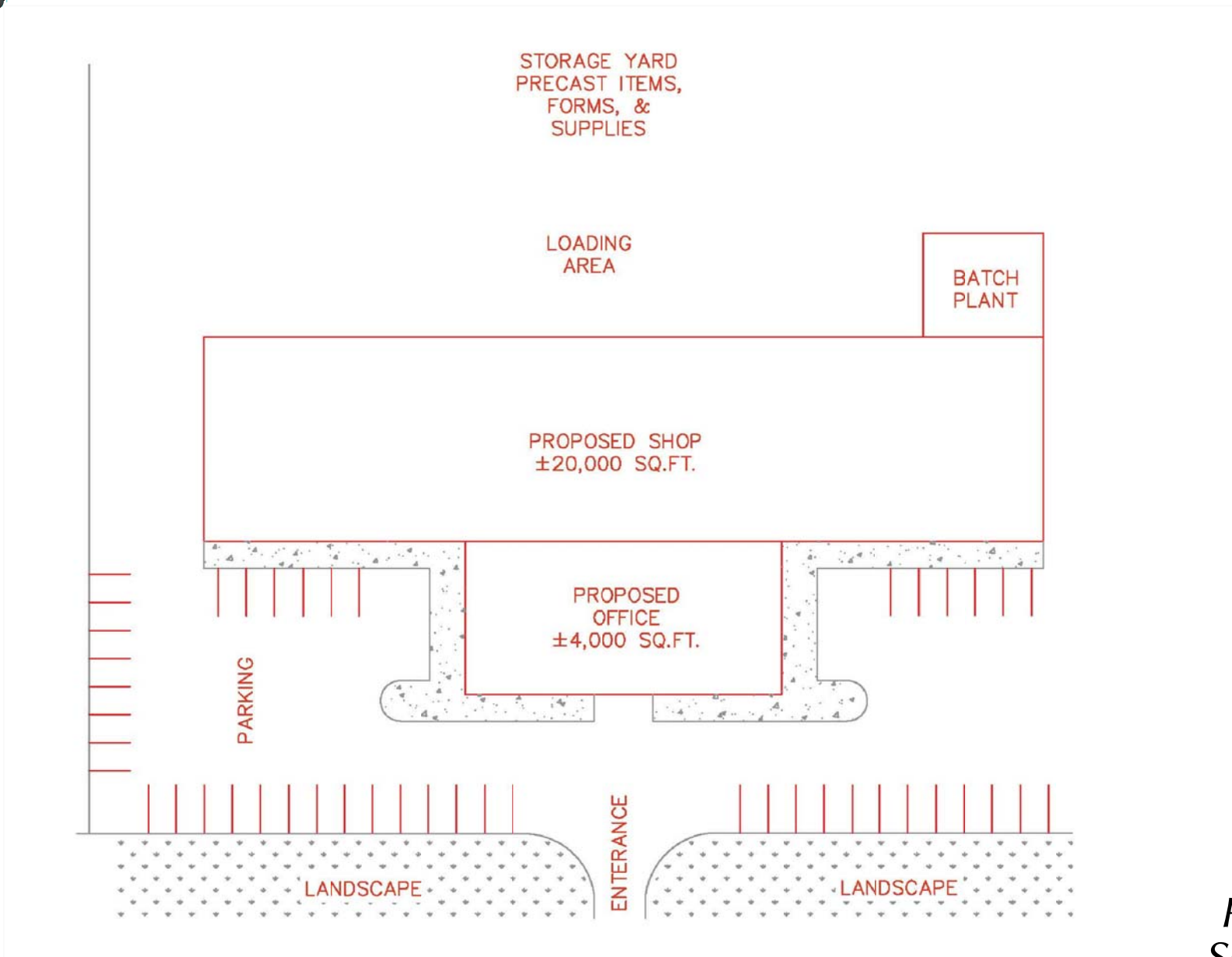


North Arrow
Approximate Scale
Scale: 1"=3,000'

Figure 1

Vicinity Map

Copeland Precast (LSC #180930)



Approximate Scale
Scale: NTS

Figure 2a

Phase 1 Site Plan

Copeland Precast (LSC #180930)



Approximate Scale
Scale: NTS

±68 ACRES LEFT AGRICULTURE
FOR FUTURE USE

±10 ACRES
PROPOSED USE

Proposed Phase 1 Access

Proposed Phase 2 Access

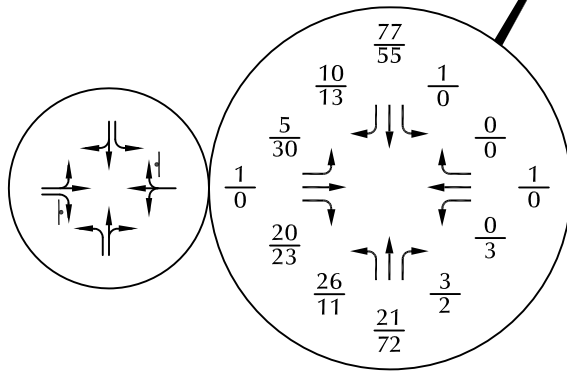
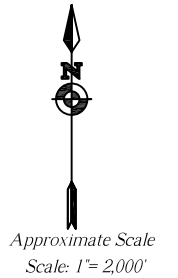
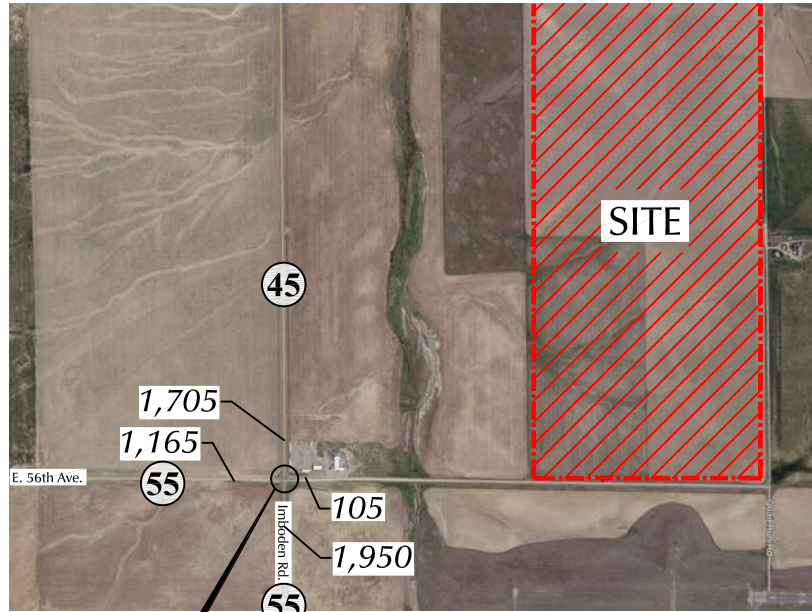
EAST 56TH AVENUE

Figure 2b

Overall Site Plan

Copeland Precast (LSC #180930)





LEGEND:

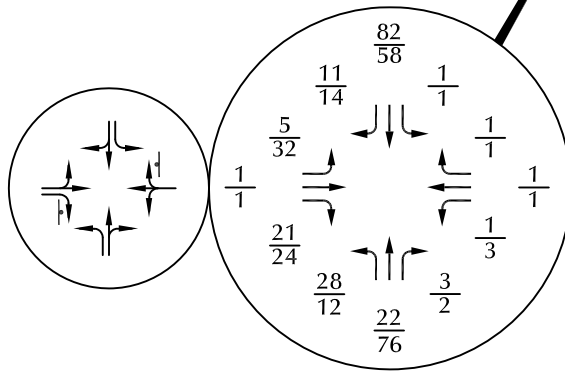
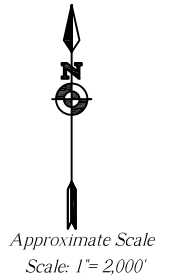
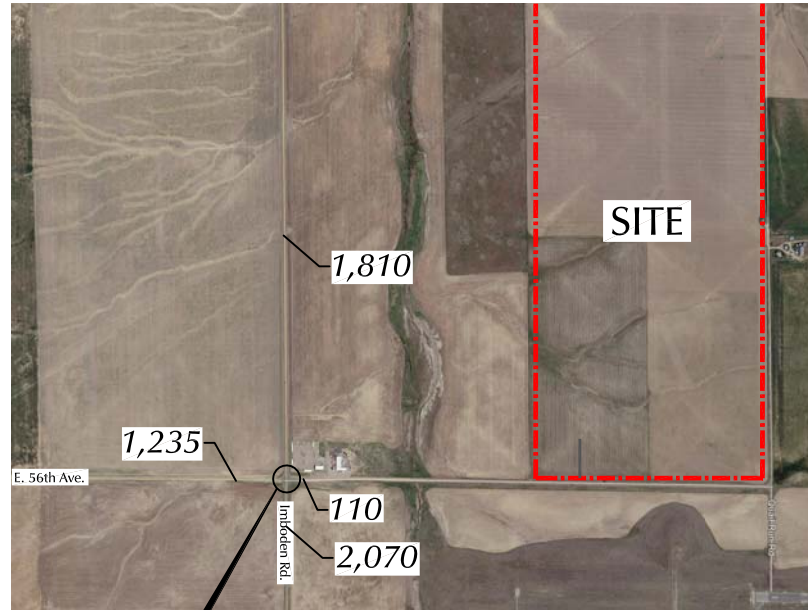
- ⊥ = Stop Sign
- ⓪ = Speed Limit
- $\frac{26}{35}$ = $\frac{\text{AM Peak Hour Traffic}}{\text{PM Peak Hour Traffic}}$
- 1,000 = Average Daily Traffic

Notes:

1. Imboden Road is paved at E. 56th Avenue but transitions to gravel to the north of E. 56th Avenue.
2. E. 56th Avenue is paved at Imboden Road but transitions to gravel to the east of Imboden Road.

Figure 3
**Existing Traffic, Lane
Geometry and Traffic Control**

Copeland Precast (LSC #180930)



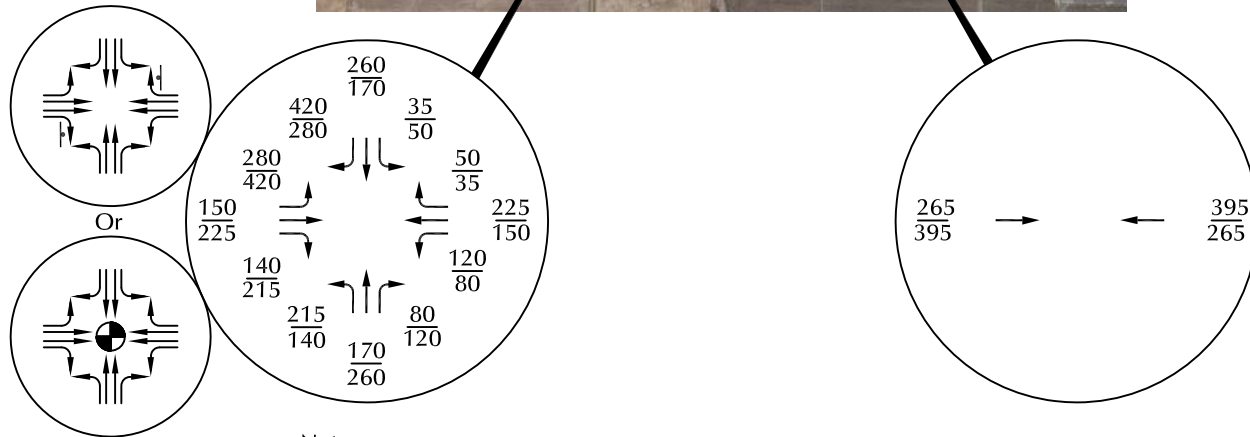
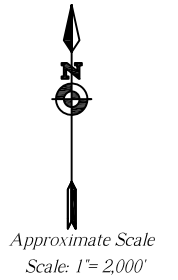
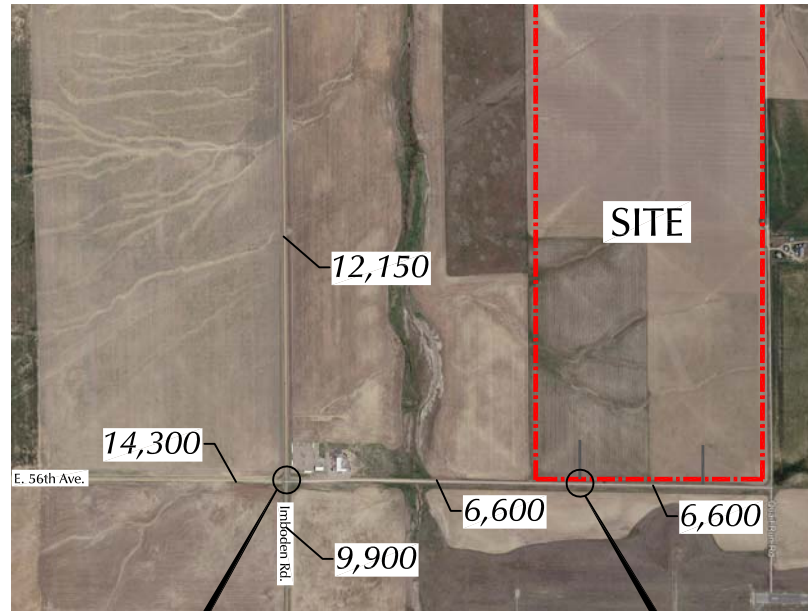
Note: Assumes three percent annual growth.

LEGEND:



- ⊥ = Stop Sign
- $\frac{26}{35}$ = $\frac{\text{AM Peak Hour Traffic}}{\text{PM Peak Hour Traffic}}$
- 1,000 = Average Daily Traffic

Figure 4
*Year 2020 Background Traffic,
Lane Geometry and Traffic Control*

Copeland Precast (LSC #180930)



LEGEND:

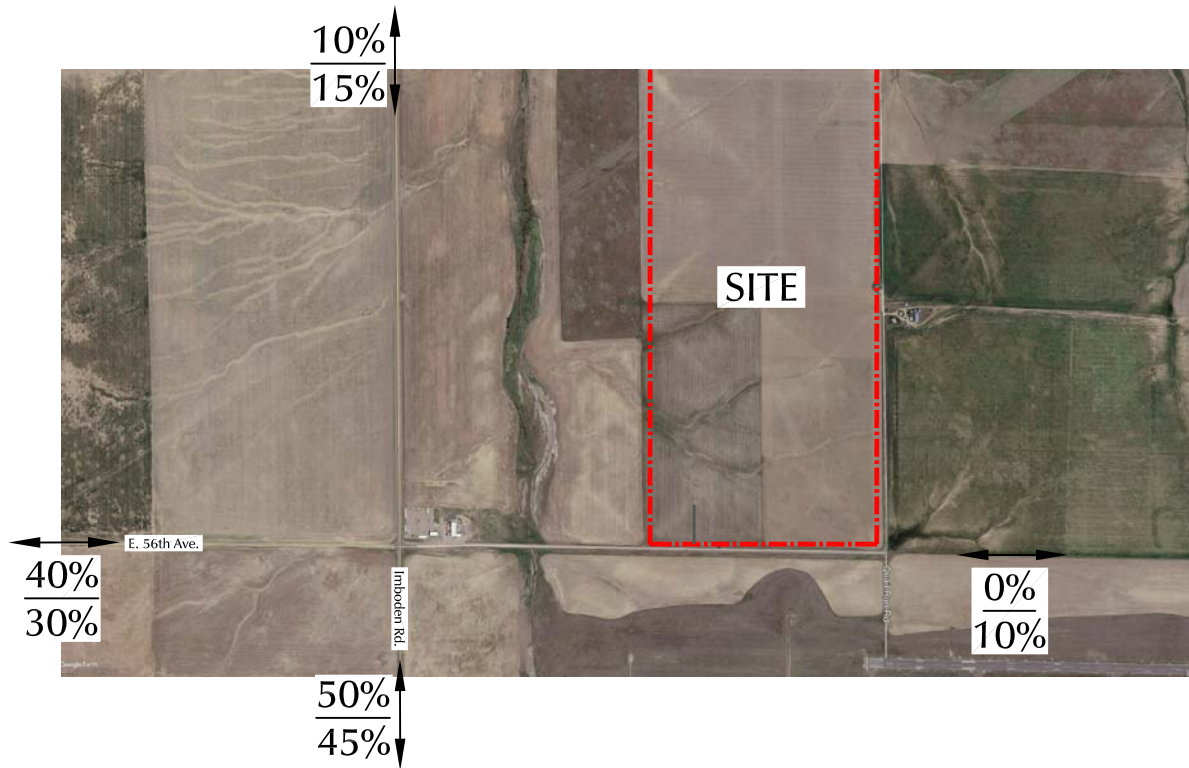
-  = Stop Sign
-  = Traffic Signal
- $\frac{26}{35}$ = $\frac{\text{AM Peak Hour Traffic}}{\text{PM Peak Hour Traffic}}$
- 1,000 = Average Daily Traffic

Notes:

1. Projections based on the 2035 forecasts in the 2012 Adams County Transportation Plan (Figure 3) grown for five years at an annual growth rate of two percent.
2. The 2012 Adams County Transportation Plan shows both roadways as six lane principal arterial roadways. Four lanes on each is assumed by 2040.

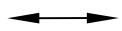
Year 2040 Background Traffic, Lane Geometry and Traffic Control

Figure 5



Approximate Scale
Scale: 1" = 2,000'

LEGEND:



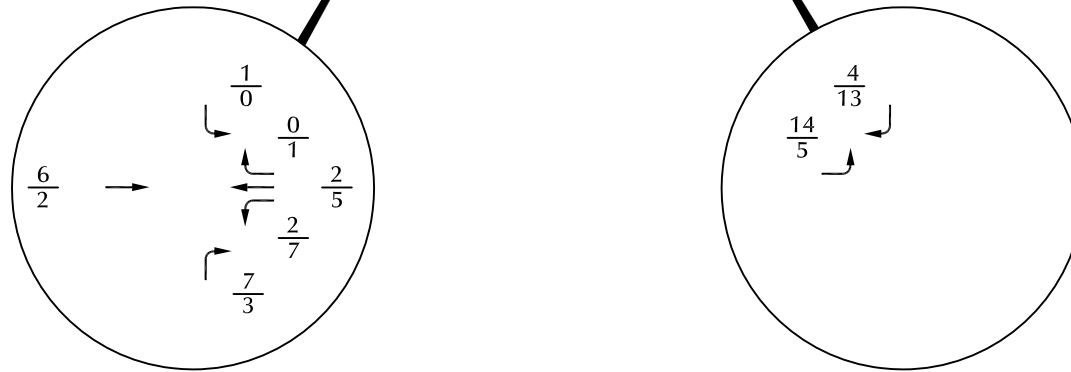
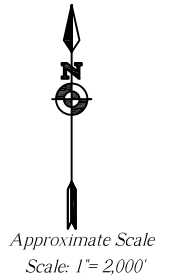
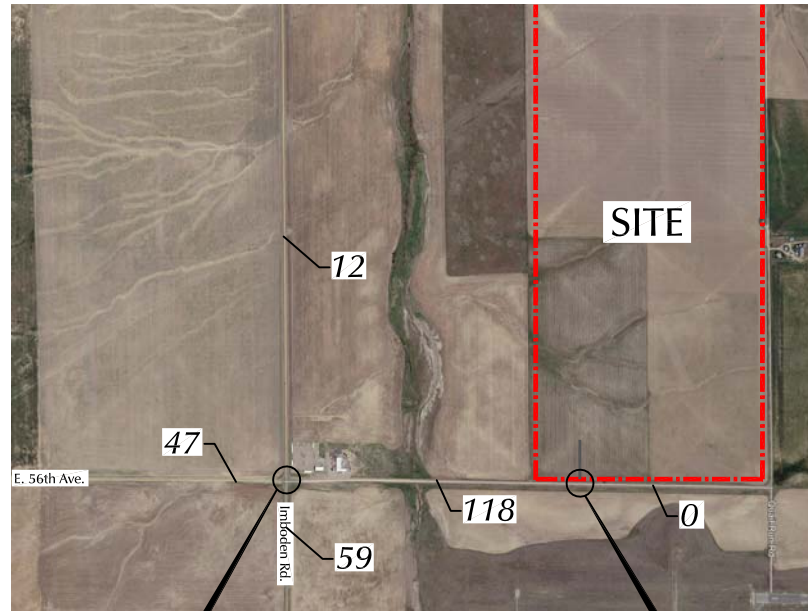
5%
5%

= Residential Percent Directional Distribution
Commercial Percent Directional Distribution

Figure 6

*Directional Distribution
of Site-Generated Traffic*

Copeland Precast (LSC #180930)



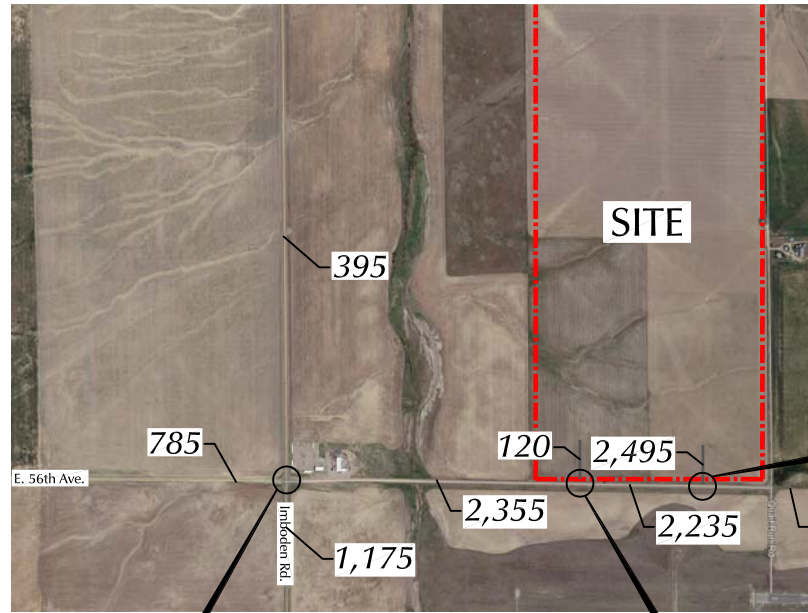
LEGEND:

$\frac{26}{35}$ = AM Peak Hour Traffic
 $\frac{35}{35}$ = PM Peak Hour Traffic

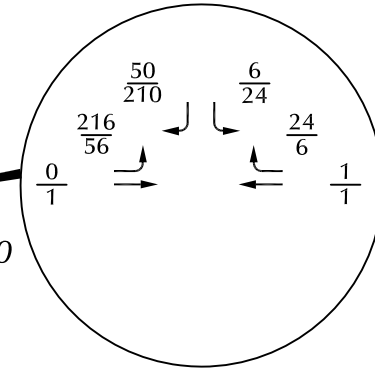
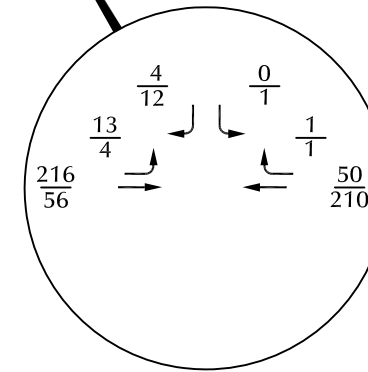
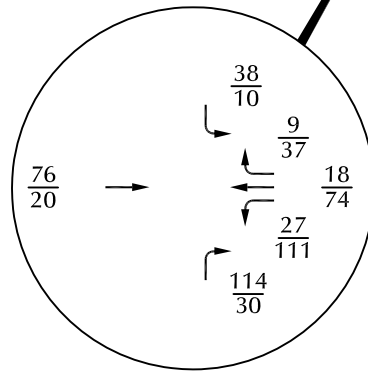
1,000 = Average Daily Traffic

Figure 7a
**Assignment of
 Phase 1 Site-Generated Traffic**

Copeland Precast (LSC #180930)



Approximate Scale
Scale: 1" = 2,000'



LEGEND:

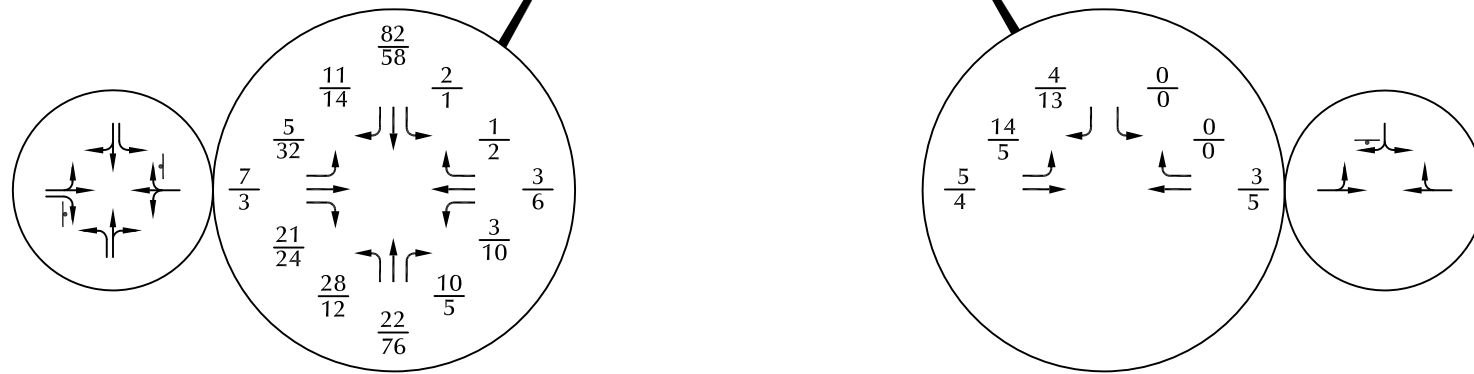
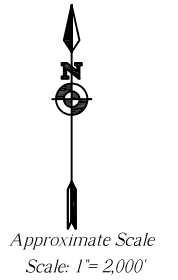
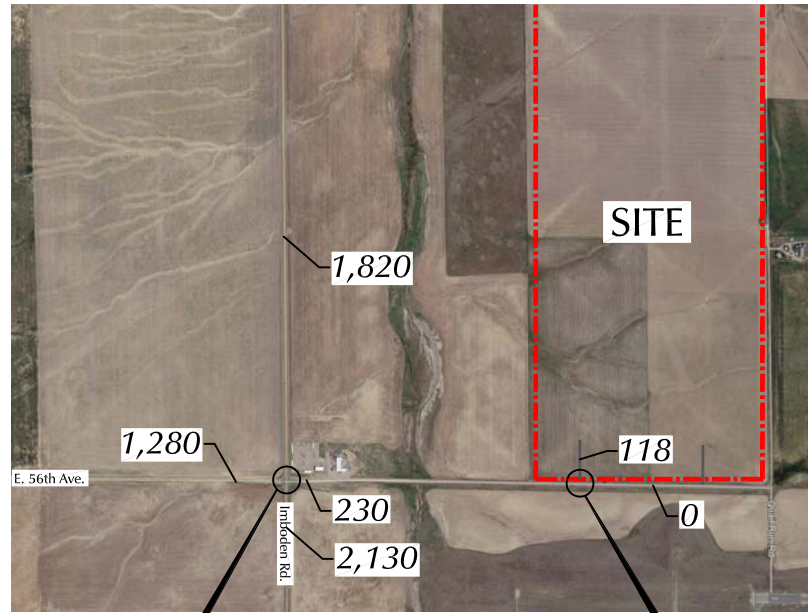
$\frac{26}{35}$ = AM Peak Hour Traffic
PM Peak Hour Traffic

1,000 = Average Daily Traffic

Figure 7b

*Assignment of
Build-Out Site-Generated Traffic*

Copeland Precast (LSC #180930)



Note: Assumes impacts from Phase 1 only.

LEGEND:

- ⊥ = Stop Sign
- $\frac{26}{35}$ = AM Peak Hour Traffic / PM Peak Hour Traffic
- 1,000 = Average Daily Traffic

Figure 8

Year 2020 Total Traffic, Lane Geometry and Traffic Control

Copeland Precast (LSC #180930)

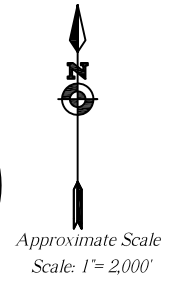
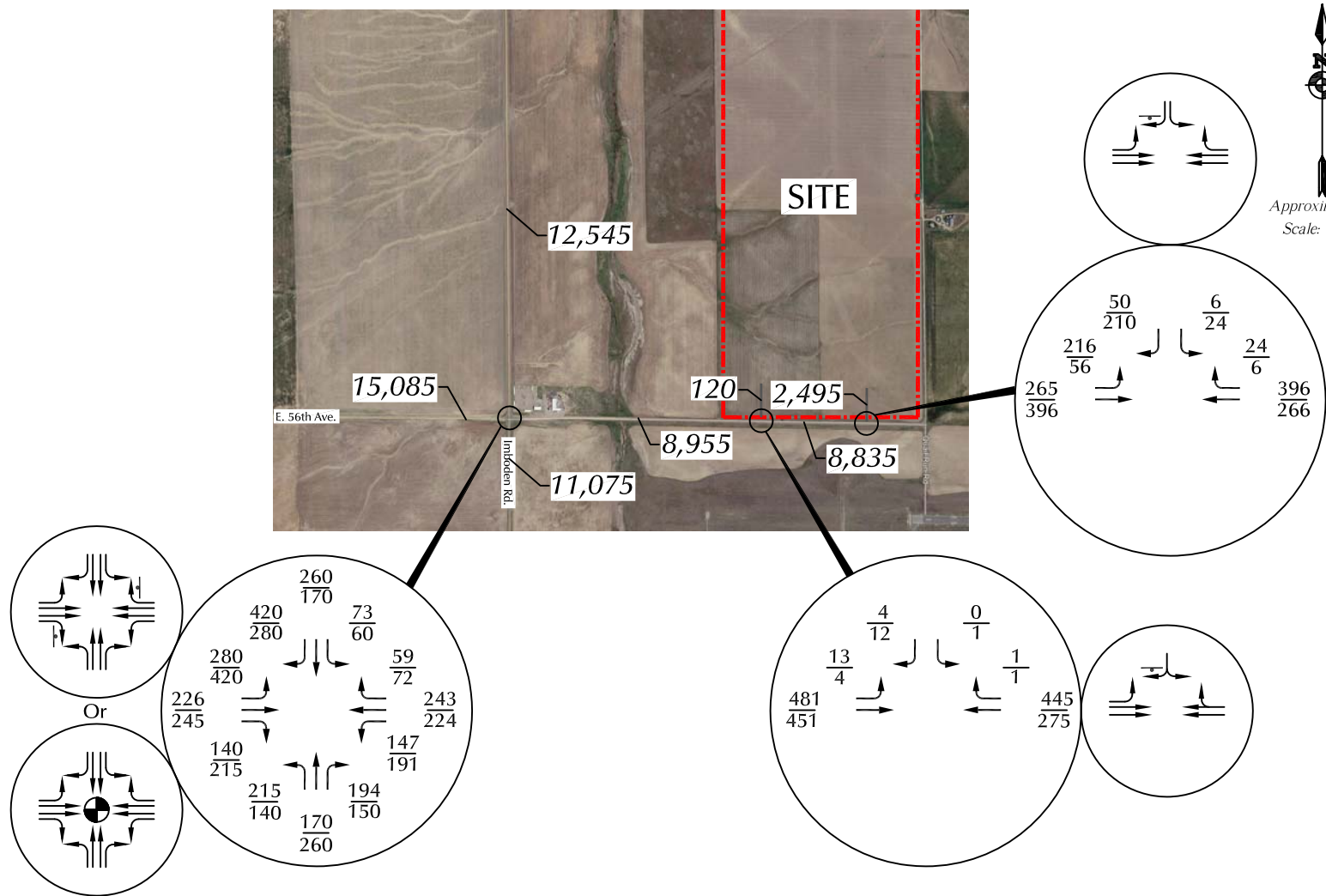


Figure 9
**Year 2040 Total Traffic,
Lane Geometry and Traffic Control**
Copeland Precast (LSC #180930)

COUNTER MEASURES INC.

1889 YORK STREET
DENVER, COLORADO
303-333-7409

N/S STREET: IMBODEN RD
E/W STREET: 56TH AVE
CITY:
COUNTY: ADAMS

File Name : IMBO56TH
Site Code : 00000005
Start Date : 8/1/2018
Page No : 1

Groups Printed- 1 - VEHICLES

Start Time	IMBODEN RD Southbound				56TH AVE Westbound				IMBODEN RD Northbound				56TH AVE Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
06:30 AM	0	28	3	0	0	0	0	0	9	3	1	0	0	1	3	0	48
06:45 AM	1	22	5	0	0	1	0	0	3	11	1	0	4	0	5	0	53
Total	1	50	8	0	0	1	0	0	12	14	2	0	4	1	8	0	101
07:00 AM	0	14	1	0	0	0	0	0	10	3	0	0	0	0	7	0	35
07:15 AM	0	13	1	0	0	0	0	0	4	4	1	0	1	0	5	0	29
07:30 AM	0	22	2	0	1	0	0	0	10	4	0	0	0	0	5	0	44
07:45 AM	0	16	3	0	0	0	0	0	2	5	0	0	0	0	1	0	27
Total	0	65	7	0	1	0	0	0	26	16	1	0	1	0	18	0	135
08:00 AM	0	9	2	0	0	0	0	0	1	5	0	0	1	0	1	0	19
08:15 AM	0	13	3	0	0	0	0	0	1	6	0	0	2	0	9	0	34
Total	0	22	5	0	0	0	0	0	2	11	0	0	3	0	10	0	53
04:00 PM	0	11	0	0	0	0	0	0	4	13	0	0	3	0	8	0	39
04:15 PM	0	7	3	0	0	0	0	0	0	13	0	0	8	0	3	0	34
04:30 PM	0	7	3	0	0	0	0	0	5	20	0	0	5	0	3	0	43
04:45 PM	0	16	6	0	2	0	0	0	6	20	1	0	8	0	7	0	66
Total	0	41	12	0	2	0	0	0	15	66	1	0	24	0	21	0	182
05:00 PM	0	12	4	0	1	0	0	0	2	21	0	0	10	0	8	0	58
05:15 PM	0	11	1	0	0	0	0	0	2	14	0	0	5	0	4	0	37
05:30 PM	0	16	2	0	0	0	0	0	1	17	1	0	7	0	4	0	48
05:45 PM	0	12	2	0	0	0	0	0	1	14	0	0	4	0	2	0	35
Total	0	51	9	0	1	0	0	0	6	66	1	0	26	0	18	0	178
Grand Total	1	229	41	0	4	1	0	0	61	173	5	0	58	1	75	0	649
Apprch %	0.4	84.5	15.1	0.0	80.0	20.0	0.0	0.0	25.5	72.4	2.1	0.0	43.3	0.7	56.0	0.0	
Total %	0.2	35.3	6.3	0.0	0.6	0.2	0.0	0.0	9.4	26.7	0.8	0.0	8.9	0.2	11.6	0.0	

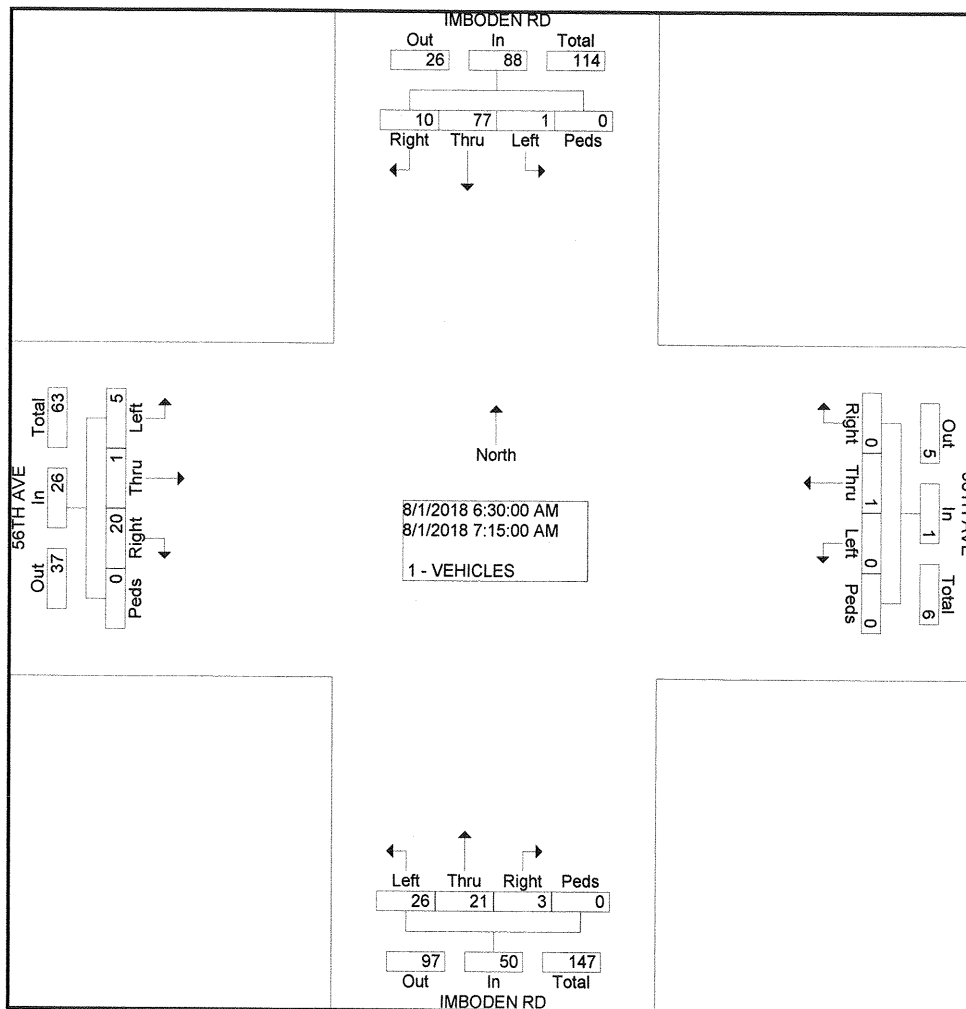
COUNTER MEASURES INC.

1889 YORK STREET
DENVER, COLORADO
303-333-7409

N/S STREET: IMBODEN RD
E/W STREET: 56TH AVE
CITY:
COUNTY: ADAMS

File Name : IMBO56TH
Site Code : 00000005
Start Date : 8/1/2018
Page No : 2

Start Time	IMBODEN RD Southbound					56TH AVE Westbound					IMBODEN RD Northbound					56TH AVE Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour From 06:30 AM to 08:30 AM - Peak 1 of 1																					
Intersect on	06:30 AM																				
Volume	1	77	10	0	88	0	1	0	0	1	26	21	3	0	50	5	1	20	0	26	165
Percent	1.1	87.5	11.4	0.0		0.0	100.0	0.0	0.0		52.0	42.0	6.0	0.0		19.2	3.8	76.9	0.0		
06:45 Volume Peak Factor	1	22	5	0	28	0	1	0	0	1	3	11	1	0	15	4	0	5	0	9	53
High Int. Peak Factor	06:30 AM					06:45 AM					06:45 AM					06:45 AM					0.778
Volume	0	28	3	0	31	0	1	0	0	1	3	11	1	0	15	4	0	5	0	9	
Peak Factor	0.71					0.25					0.83					0.72					
	0					0					3					2					



COUNTER MEASURES INC.

Location: IMBODEN RD N/O 56TH AVE
 City:
 County: ADAMS
 Direction: SOUTHBOUND-NORTHBOUND

1889 YORK STREET
 DENVER, COLORADO 80206
 303-333-7409

Site Code: 073005
 Station ID: 073005

Start Time	31-Jul-18 Tue	SB	NB	Total						
12:00 AM		5	3	8						
01:00		4	4	8						
02:00		2	5	7						
03:00		2	9	11						
04:00		6	10	16						
05:00		31	33	64						
06:00		81	61	142						
07:00		94	48	142						
08:00		61	39	100						
09:00		51	51	102						
10:00		47	35	82						
11:00		50	40	90						
12:00 PM		54	47	101						
01:00		41	44	85						
02:00		51	35	86						
03:00		69	58	127						
04:00		64	64	128						
05:00		58	84	142						
06:00		51	49	100						
07:00		31	39	70						
08:00		18	14	32						
09:00		14	15	29						
10:00		8	8	16						
11:00		8	7	15						
Total		901	802	1703						
Percent		52.9%	47.1%							
AM Peak	-	07:00	06:00	-	-	-	-	-	-	06:00
Vol.	-	94	61	-	-	-	-	-	-	142
PM Peak	-	15:00	17:00	-	-	-	-	-	-	17:00
Vol.	-	69	84	-	-	-	-	-	-	142
Grand Total		901	802							1703
Percent		52.9%	47.1%							
ADT		ADT 1,703	AADT 1,703							

COUNTER MEASURES INC.

Location: IMBODEN RD S/O 56TH AVE
 City:
 County: ADAMS
 Direction: NORTHBOUND-SOUTHBOUND

1889 YORK STREET
 DENVER, COLORADO 80206
 303-333-7409

Site Code: 073014
 Station ID: 073014

Start Time	31-Jul-18 Tue	NB	SB	Total					
12:00 AM		4	6	10					
01:00		5	6	11					
02:00		6	1	7					
03:00		10	2	12					
04:00		14	7	21					
05:00		35	34	69					
06:00		70	102	172					
07:00		50	110	160					
08:00		41	74	115					
09:00		60	55	115					
10:00		38	50	88					
11:00		48	54	102					
12:00 PM		47	48	95					
01:00		66	49	115					
02:00		40	58	98					
03:00		66	78	144					
04:00		81	71	152					
05:00		94	60	154					
06:00		58	56	114					
07:00		42	36	78					
08:00		18	21	39					
09:00		20	16	36					
10:00		12	12	24					
11:00		10	10	20					
Total		935	1016	1951					
Percent		47.9%	52.1%						
AM Peak	-	06:00	07:00	-	-	-	-	-	06:00
Vol.	-	70	110	-	-	-	-	-	172
PM Peak	-	17:00	15:00	-	-	-	-	-	17:00
Vol.	-	94	78	-	-	-	-	-	154
Grand Total		935	1016						1951
Percent		47.9%	52.1%						
ADT		ADT 1,951	AADT 1,951						

COUNTER MEASURES INC.

Location: 56TH AVE E/O IMBODEN RD
 City:
 County: ADAMS
 Direction: WESTBOUND-EASTBOUND

1889 YORK STREET
 DENVER, COLORADO 80206
 303-333-7409

Site Code: 073015
 Station ID: 073015

Start Time	31-Jul-18 Tue	WB	EB	Total
12:00 AM		0	0	0
01:00		0	0	0
02:00		0	0	0
03:00		0	0	0
04:00		0	0	0
05:00		0	0	0
06:00		9	8	17
07:00		1	1	2
08:00		4	4	8
09:00		5	8	13
10:00		8	4	12
11:00		2	3	5
12:00 PM		6	2	8
01:00		8	6	14
02:00		2	2	4
03:00		3	3	6
04:00		6	6	12
05:00		1	0	1
06:00		0	0	0
07:00		0	0	0
08:00		2	2	4
09:00		1	0	1
10:00		0	0	0
11:00		0	0	0
Total		58	49	107
Percent		54.2%	45.8%	
AM Peak	-	06:00	06:00	06:00
Vol.	-	9	8	17
PM Peak	-	13:00	13:00	13:00
Vol.	-	8	6	14
Grand Total		58	49	107
Percent		54.2%	45.8%	
ADT	ADT 107		AADT 107	

COUNTER MEASURES INC.

Location: 56TH AVE W/O IMBODEN RD
 City:
 County: ADAMS
 Direction: WESTBOUND-EASTBOUND

1889 YORK STREET
 DENVER, COLORADO 80206
 303-333-7409

Site Code: 073013
 Station ID: 073013

Start Time	31-Jul-18 Tue	WB	EB	Total
12:00 AM		5	10	15
01:00		5	5	10
02:00		4	2	6
03:00		15	3	18
04:00		23	5	28
05:00		43	7	50
06:00		45	21	66
07:00		36	21	57
08:00		28	24	52
09:00		36	30	66
10:00		14	20	34
11:00		36	18	54
12:00 PM		30	35	65
01:00		26	21	47
02:00		32	30	62
03:00		29	40	69
04:00		33	68	101
05:00		38	49	87
06:00		21	54	75
07:00		27	23	50
08:00		24	34	58
09:00		18	14	32
10:00		12	10	22
11:00		23	20	43
Total		603	564	1167
Percent		51.7%	48.3%	
AM Peak	-	06:00	09:00	06:00
Vol.	-	45	30	66
PM Peak	-	17:00	16:00	16:00
Vol.	-	38	68	101
Grand Total		603	564	1167
Percent		51.7%	48.3%	
ADT	ADT 1,167		AADT 1,167	

LEVEL OF SERVICE DEFINITIONS

From *Highway Capacity Manual*, Transportation Research Board, 2010

SIGNALIZED INTERSECTION LEVEL OF SERVICE (LOS)

<u>LOS</u>	<u>Average Vehicle Delay</u> sec/vehicle	<u>Operational Characteristics</u>
A	<10 seconds	Describes operations with low control delay, up to 10 sec/veh. This LOS occurs when progression is extremely favorable and most vehicles arrive during the green phase. Many vehicles do not stop at all. Short cycle lengths may tend to contribute to low delay values.
B	10 to 20 seconds	Describes operations with control delay greater than 10 seconds and up to 20 sec/veh. This level generally occurs with good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay.
C	20 to 35 seconds	Describes operations with control delay greater than 20 and up to 35 sec/veh. These higher delays may result from only fair progression, longer cycle length, or both. Individual cycle failures may begin to appear at this level. Cycle failure occurs when a given green phase does not serve queued vehicles, and overflows occur. The number of vehicles stopping is significant at this level, though many still pass through the intersection without stopping.
D	35 to 55 seconds	Describes operations with control delay greater than 35 and up to 55 sec/veh. At LOS D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, and high v/c ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
E	55 to 80 seconds	Describes operations with control delay greater than 55 and up to 80 sec/veh. These high delay values generally indicate poor progression, long cycle lengths, and high v/c ratios. Individual cycle failures are frequent.
F	>80 seconds	Describes operations with control delay in excess of 80 sec/veh. This level, considered unacceptable to most drivers, often occurs with over-saturation, that is, when arrival flow rates exceed the capacity of lane groups. It may also occur at high v/c ratios with many individual cycle failures. Poor progression and long cycle lengths may also contribute significantly to high delay levels.

LEVEL OF SERVICE DEFINITIONS

From *Highway Capacity Manual*, Transportation Research Board, 2010

UNSIGNALIZED INTERSECTION LEVEL OF SERVICE (LOS)

Applicable to Two-Way Stop Control, All-Way Stop Control, and Roundabouts

LOS	Average Vehicle Control Delay	<u>Operational Characteristics</u>
A	<10 seconds	Normally, vehicles on the stop-controlled approach only have to wait up to 10 seconds before being able to clear the intersection. Left-turning vehicles on the uncontrolled street do not have to wait to make their turn.
B	10 to 15 seconds	Vehicles on the stop-controlled approach will experience delays before being able to clear the intersection. <u>The delay could be up to 15 seconds.</u> Left-turning vehicles on the uncontrolled street may have to wait to make their turn.
C	15 to 25 seconds	Vehicles on the stop-controlled approach can expect delays in the range of 15 to 25 seconds before clearing the intersection. Motorists may begin to take chances due to the long delays, thereby posing a safety risk to through traffic. <u>Left-turning vehicles on the uncontrolled street will now be required to wait to make their turn causing a queue to be created in the turn lane.</u>
D	25 to 35 seconds	<u>This is the point at which a traffic signal may be warranted for this intersection.</u> The delays for the stop-controlled intersection are not considered to be excessive. The length of the queue may begin to block other public and private access points.
E	35 to 50 seconds	The delays for all critical traffic movements are considered to be unacceptable. The length of the queues for the stop-controlled approaches as well as the left-turn movements are extremely long. <u>There is a high probability that this intersection will meet traffic signal warrants.</u> The ability to install a traffic signal is affected by the location of other existing traffic signals. Consideration may be given to restricting the accesses by eliminating the left-turn movements from and to the stop-controlled approach.
F	>50 seconds	The delay for the critical traffic movements are probably in excess of 100 seconds. The length of the queues are extremely long. Motorists are selecting alternative routes due to the long delays. <u>The only remedy for these long delays is installing a traffic signal or restricting the accesses.</u> The potential for accidents at this intersection are extremely high due to motorist taking more risky chances. If the median permits, motorists begin making two-stage left-turns.

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

Existing
AM Peak

Intersection												
Int Delay, s/veh	2.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↔		↔		↔	↔		↔	↔	
Traffic Vol, veh/h	5	1	20	0	1	0	26	21	3	1	77	10
Future Vol, veh/h	5	1	20	0	1	0	26	21	3	1	77	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	1	26	0	1	0	33	27	4	1	99	13

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	204	205	106	216	209	29	112	0	0	31	0	0
Stage 1	108	108	-	95	95	-	-	-	-	-	-	-
Stage 2	96	97	-	121	114	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	754	691	948	740	688	1046	1478	-	-	1582	-	-
Stage 1	897	806	-	912	816	-	-	-	-	-	-	-
Stage 2	911	815	-	883	801	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	740	675	948	707	672	1046	1478	-	-	1582	-	-
Mov Cap-2 Maneuver	740	675	-	707	672	-	-	-	-	-	-	-
Stage 1	877	805	-	892	798	-	-	-	-	-	-	-
Stage 2	889	797	-	857	800	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	9.2		10.4		3.9		0.1	
HCM LOS	A		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1478	-	-	728	948	672	1582	-	-
HCM Lane V/C Ratio	0.023	-	-	0.011	0.027	0.002	0.001	-	-
HCM Control Delay (s)	7.5	-	-	10	8.9	10.4	7.3	-	-
HCM Lane LOS	A	-	-	B	A	B	A	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0	0.1	0	0	-	-

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

Existing
PM Peak

Intersection												
Int Delay, s/veh	3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↔		↔		↔	↔		↔	↔	
Traffic Vol, veh/h	30	0	23	3	0	0	11	72	2	0	55	13
Future Vol, veh/h	30	0	23	3	0	0	11	72	2	0	55	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	38	0	29	4	0	0	14	91	3	0	70	16

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	199	200	78	214	207	93	86	0	0	94	0	0
Stage 1	78	78	-	121	121	-	-	-	-	-	-	-
Stage 2	121	122	-	93	86	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	760	696	983	743	690	964	1510	-	-	1500	-	-
Stage 1	931	830	-	883	796	-	-	-	-	-	-	-
Stage 2	883	795	-	914	824	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	755	690	983	716	684	964	1510	-	-	1500	-	-
Mov Cap-2 Maneuver	755	690	-	716	684	-	-	-	-	-	-	-
Stage 1	923	830	-	875	789	-	-	-	-	-	-	-
Stage 2	875	788	-	887	824	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	9.5		10.1		1		0	
HCM LOS	A		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1510	-	-	755	983	716	1500	-	-
HCM Lane V/C Ratio	0.009	-	-	0.05	0.03	0.005	-	-	-
HCM Control Delay (s)	7.4	-	-	10	8.8	10.1	0	-	-
HCM Lane LOS	A	-	-	B	A	B	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0	0	-	-

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

2020 Background
AM Peak

Intersection												
Int Delay, s/veh	2.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↔		↔		↔	↔		↔	↔	
Traffic Vol, veh/h	5	1	21	1	1	1	28	22	3	1	82	11
Future Vol, veh/h	5	1	21	1	1	1	28	22	3	1	82	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	1	27	1	1	1	36	28	4	1	105	14

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	217	218	112	230	223	30	119	0	0	32	0	0
Stage 1	114	114	-	102	102	-	-	-	-	-	-	-
Stage 2	103	104	-	128	121	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	739	680	941	725	676	1044	1469	-	-	1580	-	-
Stage 1	891	801	-	904	811	-	-	-	-	-	-	-
Stage 2	903	809	-	876	796	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	723	662	941	689	658	1044	1469	-	-	1580	-	-
Mov Cap-2 Maneuver	723	662	-	689	658	-	-	-	-	-	-	-
Stage 1	869	800	-	881	791	-	-	-	-	-	-	-
Stage 2	878	789	-	849	795	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	9.2		9.7		4		0.1	
HCM LOS	A		A					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1469	-	-	712	941	764	1580	-	-
HCM Lane V/C Ratio	0.024	-	-	0.011	0.029	0.005	0.001	-	-
HCM Control Delay (s)	7.5	-	-	10.1	8.9	9.7	7.3	-	-
HCM Lane LOS	A	-	-	B	A	A	A	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0	0.1	0	0	-	-

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

2020 Background
PM Peak

Intersection												
Int Delay, s/veh	3.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕	↕		↕		↕	↕		↕	↕	
Traffic Vol, veh/h	32	1	24	3	1	1	12	76	2	1	58	14
Future Vol, veh/h	32	1	24	3	1	1	12	76	2	1	58	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	41	1	30	4	1	1	15	96	3	1	73	18

Major/Minor	Minor2		Minor1			Major1			Major2			
Conflicting Flow All	213	213	82	228	221	98	91	0	0	99	0	0
Stage 1	84	84	-	128	128	-	-	-	-	-	-	-
Stage 2	129	129	-	100	93	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	744	684	978	727	678	958	1504	-	-	1494	-	-
Stage 1	924	825	-	876	790	-	-	-	-	-	-	-
Stage 2	875	789	-	906	818	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	736	676	978	698	671	958	1504	-	-	1494	-	-
Mov Cap-2 Maneuver	736	676	-	698	671	-	-	-	-	-	-	-
Stage 1	915	824	-	867	782	-	-	-	-	-	-	-
Stage 2	864	781	-	876	817	-	-	-	-	-	-	-

Approach	EB		WB			NB			SB		
HCM Control Delay, s	9.6		10			1			0.1		
HCM LOS	A		B								

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1504	-	-	734	978	732	1494	-	-
HCM Lane V/C Ratio	0.01	-	-	0.057	0.031	0.009	0.001	-	-
HCM Control Delay (s)	7.4	-	-	10.2	8.8	10	7.4	-	-
HCM Lane LOS	A	-	-	B	A	B	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0	0	-	-

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

2020 Total
AM Peak

Intersection												
Int Delay, s/veh	3.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕	↗		↕		↕	↗		↕	↗	
Traffic Vol, veh/h	5	7	21	3	3	1	28	22	10	2	82	11
Future Vol, veh/h	5	7	21	3	3	1	28	22	10	2	82	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	9	27	4	4	1	36	28	13	3	105	14

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	227	231	112	243	232	35	119	0	0	41	0	0
Stage 1	118	118	-	107	107	-	-	-	-	-	-	-
Stage 2	109	113	-	136	125	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	728	669	941	711	668	1038	1469	-	-	1568	-	-
Stage 1	887	798	-	898	807	-	-	-	-	-	-	-
Stage 2	896	802	-	867	792	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	709	651	941	670	650	1038	1469	-	-	1568	-	-
Mov Cap-2 Maneuver	709	651	-	670	650	-	-	-	-	-	-	-
Stage 1	865	796	-	876	787	-	-	-	-	-	-	-
Stage 2	869	782	-	831	790	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	9.5		10.2		3.5		0.2	
HCM LOS	A		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1469	-	-	674	941	696	1568	-	-
HCM Lane V/C Ratio	0.024	-	-	0.023	0.029	0.013	0.002	-	-
HCM Control Delay (s)	7.5	-	-	10.5	8.9	10.2	7.3	-	-
HCM Lane LOS	A	-	-	B	A	B	A	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.1	0.1	0	0	-	-

HCM 6th TWSC
6: E. 56th Avenue & Site Access

2020 Total
AM Peak

Intersection						
Int Delay, s/veh	5.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↕		↕	
Traffic Vol, veh/h	14	5	3	0	0	4
Future Vol, veh/h	14	5	3	0	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	5	3	0	0	4

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	3	0	-	0	38
Stage 1	-	-	-	-	3
Stage 2	-	-	-	-	35
Critical Hdwy	4.12	-	-	-	6.42
Critical Hdwy Stg 1	-	-	-	-	5.42
Critical Hdwy Stg 2	-	-	-	-	5.42
Follow-up Hdwy	2.218	-	-	-	3.518
Pot Cap-1 Maneuver	1619	-	-	-	974
Stage 1	-	-	-	-	1020
Stage 2	-	-	-	-	987
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1619	-	-	-	965
Mov Cap-2 Maneuver	-	-	-	-	965
Stage 1	-	-	-	-	1011
Stage 2	-	-	-	-	987

Approach	EB	WB	SB
HCM Control Delay, s	5.3	0	8.3
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1619	-	-	-	1081
HCM Lane V/C Ratio	0.009	-	-	-	0.004
HCM Control Delay (s)	7.2	0	-	-	8.3
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

HCM 6th TWSC
3: N. Imboden Road & E. 56th Avenue

2020 Total
PM Peak

Intersection												
Int Delay, s/veh	3.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕	↗		↕		↕	↗		↕	↗	
Traffic Vol, veh/h	32	3	24	10	6	2	12	76	5	1	58	14
Future Vol, veh/h	32	3	24	10	6	2	12	76	5	1	58	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	150	-	-	50	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	41	4	30	13	8	3	15	96	6	1	73	18

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	219	216	82	230	222	99	91	0	0	102	0	0
Stage 1	84	84	-	129	129	-	-	-	-	-	-	-
Stage 2	135	132	-	101	93	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	737	682	978	725	677	957	1504	-	-	1490	-	-
Stage 1	924	825	-	875	789	-	-	-	-	-	-	-
Stage 2	868	787	-	905	818	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	723	674	978	694	670	957	1504	-	-	1490	-	-
Mov Cap-2 Maneuver	723	674	-	694	670	-	-	-	-	-	-	-
Stage 1	915	824	-	866	781	-	-	-	-	-	-	-
Stage 2	849	779	-	872	817	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	9.7		10.3		1		0.1	
HCM LOS	A		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1504	-	-	719	978	707	1490	-	-
HCM Lane V/C Ratio	0.01	-	-	0.062	0.031	0.032	0.001	-	-
HCM Control Delay (s)	7.4	-	-	10.3	8.8	10.3	7.4	-	-
HCM Lane LOS	A	-	-	B	A	B	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0.1	0	-	-

HCM 6th TWSC
6: E. 56th Avenue & Site Access

2020 Total
PM Peak

Intersection						
Int Delay, s/veh	5.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↕		↕	
Traffic Vol, veh/h	5	4	5	0	0	13
Future Vol, veh/h	5	4	5	0	0	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	4	5	0	0	14

























Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	5	0	-	0	19
Stage 1	-	-	-	-	5
Stage 2	-	-	-	-	14
Critical Hdwy	4.12	-	-	-	6.42
Critical Hdwy Stg 1	-	-	-	-	5.42
Critical Hdwy Stg 2	-	-	-	-	5.42
Follow-up Hdwy	2.218	-	-	-	3.518
Pot Cap-1 Maneuver	1616	-	-	-	998
Stage 1	-	-	-	-	1018
Stage 2	-	-	-	-	1009
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1616	-	-	-	995
Mov Cap-2 Maneuver	-	-	-	-	995
Stage 1	-	-	-	-	1015
Stage 2	-	-	-	-	1009

Approach	EB	WB	SB
HCM Control Delay, s	4	0	8.4
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1616	-	-	-	1078
HCM Lane V/C Ratio	0.003	-	-	-	0.013
HCM Control Delay (s)	7.2	0	-	-	8.4
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

HCM 6th Signalized Intersection Summary
 3: N. Imboden Road & E. 56th Avenue

2040 Background
 AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	280	150	140	120	225	50	215	170	80	35	260	420
Future Volume (veh/h)	280	150	140	120	225	50	215	170	80	35	260	420
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	304	163	152	130	245	54	234	185	87	38	283	457
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	378	649	289	306	364	163	507	1830	816	659	1697	757
Arrive On Green	0.15	0.18	0.18	0.07	0.10	0.10	0.07	0.51	0.51	0.03	0.48	0.48
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	1781	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	304	163	152	130	245	54	234	185	87	38	283	457
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1781	1777	1585	1781	1777	1585
Q Serve(g_s), s	15.0	3.9	8.7	6.5	6.6	3.2	6.7	2.7	2.8	1.1	4.5	21.2
Cycle Q Clear(g_c), s	15.0	3.9	8.7	6.5	6.6	3.2	6.7	2.7	2.8	1.1	4.5	21.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	378	649	289	306	364	163	507	1830	816	659	1697	757
V/C Ratio(X)	0.80	0.25	0.53	0.43	0.67	0.33	0.46	0.10	0.11	0.06	0.17	0.60
Avail Cap(c_a), veh/h	378	1279	571	306	995	444	507	1830	816	725	1697	757
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.4	35.0	37.0	36.9	43.3	41.7	11.6	12.4	12.5	12.3	14.8	19.2
Incr Delay (d2), s/veh	11.9	0.2	1.5	0.9	2.2	1.2	0.7	0.1	0.3	0.0	0.2	3.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.6	1.7	3.4	2.9	3.0	1.3	2.6	1.1	1.0	0.4	1.8	8.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	44.3	35.2	38.4	37.9	45.4	42.9	12.3	12.5	12.7	12.3	15.0	22.7
LnGrp LOS	D	D	D	D	D	D	B	B	B	B	B	C
Approach Vol, veh/h		619			429			506			778	
Approach Delay, s/veh		40.5			42.8			12.4			19.4	
Approach LOS		D			D			B			B	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	8.3	56.5	12.0	23.3	12.0	52.7	20.0	15.3				
Change Period (Y+Rc), s	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	7.0	30.0	7.0	36.0	7.0	30.0	15.0	28.0				
Max Q Clear Time (g_c+I1), s	3.1	4.8	8.5	10.7	8.7	23.2	17.0	8.6				
Green Ext Time (p_c), s	0.0	1.4	0.0	1.5	0.0	2.1	0.0	1.6				
Intersection Summary												
HCM 6th Ctrl Delay											27.8	
HCM 6th LOS											C	

HCM 6th Signalized Intersection Summary
3: N. Imboden Road & E. 56th Avenue

























2040 Background
PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	420	225	215	80	150	35	140	260	120	50	170	280
Future Volume (veh/h)	420	225	215	80	150	35	140	260	120	50	170	280
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	457	245	234	87	163	38	152	283	130	54	185	304
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	507	851	380	244	261	116	574	1715	765	567	1626	725
Arrive On Green	0.22	0.24	0.24	0.06	0.07	0.07	0.06	0.48	0.48	0.04	0.46	0.46
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	1781	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	457	245	234	87	163	38	152	283	130	54	185	304
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1781	1777	1585	1781	1777	1585
Q Serve(g_s), s	22.5	5.6	13.2	4.5	4.5	2.3	4.5	4.5	4.6	1.6	3.0	12.9
Cycle Q Clear(g_c), s	22.5	5.6	13.2	4.5	4.5	2.3	4.5	4.5	4.6	1.6	3.0	12.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	507	851	380	244	261	116	574	1715	765	567	1626	725
V/C Ratio(X)	0.90	0.29	0.62	0.36	0.62	0.33	0.26	0.16	0.17	0.10	0.11	0.42
Avail Cap(c_a), veh/h	507	1297	579	273	764	341	594	1715	765	632	1626	725
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.8	31.1	33.9	39.6	45.0	44.0	12.6	14.5	14.6	13.1	15.5	18.2
Incr Delay (d2), s/veh	19.2	0.2	1.6	0.9	2.4	1.6	0.2	0.2	0.5	0.1	0.1	1.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.5	2.4	5.2	2.0	2.0	0.9	1.8	1.8	1.7	0.6	1.2	4.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	51.0	31.2	35.6	40.4	47.4	45.6	12.8	14.7	15.1	13.2	15.7	20.0
LnGrp LOS	D	C	D	D	D	D	B	B	B	B	B	B
Approach Vol, veh/h		936			288			565			543	
Approach Delay, s/veh		42.0			45.1			14.3			17.8	
Approach LOS		D			D			B			B	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	8.4	52.8	10.4	28.5	10.9	50.2	27.0	11.8				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	7.5	30.5	7.5	36.5	7.5	30.5	22.5	21.5				
Max Q Clear Time (g_c+I1), s	3.6	6.6	6.5	15.2	6.5	14.9	24.5	6.5				
Green Ext Time (p_c), s	0.0	2.3	0.0	2.3	0.0	2.0	0.0	0.9				
Intersection Summary												
HCM 6th Ctrl Delay			30.0									
HCM 6th LOS			C									

HCM 6th Signalized Intersection Summary
 3: N. Imboden Road & E. 56th Avenue

2040 Total
 AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	280	226	140	147	243	59	215	170	194	73	260	420
Future Volume (veh/h)	280	226	140	147	243	59	215	170	194	73	260	420
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	304	246	152	160	264	64	234	185	211	79	283	457
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	379	672	300	304	388	173	502	1765	787	615	1674	746
Arrive On Green	0.15	0.19	0.19	0.07	0.11	0.11	0.07	0.50	0.50	0.04	0.47	0.47
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	1781	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	304	246	152	160	264	64	234	185	211	79	283	457
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1781	1777	1585	1781	1777	1585
Q Serve(g_s), s	14.8	6.0	8.6	7.0	7.2	3.7	6.9	2.8	7.7	2.2	4.6	21.4
Cycle Q Clear(g_c), s	14.8	6.0	8.6	7.0	7.2	3.7	6.9	2.8	7.7	2.2	4.6	21.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	379	672	300	304	388	173	502	1765	787	615	1674	746
V/C Ratio(X)	0.80	0.37	0.51	0.53	0.68	0.37	0.47	0.10	0.27	0.13	0.17	0.61
Avail Cap(c_a), veh/h	379	1279	571	304	995	444	502	1765	787	660	1674	746
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.9	35.3	36.4	37.1	42.9	41.4	12.3	13.4	14.6	12.3	15.2	19.7
Incr Delay (d2), s/veh	11.8	0.3	1.3	1.7	2.1	1.3	0.7	0.1	0.8	0.1	0.2	3.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.5	2.6	3.4	3.6	3.2	1.5	2.7	1.1	2.9	0.9	1.9	8.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	43.7	35.7	37.7	38.8	45.0	42.7	13.0	13.5	15.5	12.4	15.4	23.4
LnGrp LOS	D	D	D	D	D	D	B	B	B	B	B	C
Approach Vol, veh/h		702			488			630			819	
Approach Delay, s/veh		39.6			42.6			14.0			19.6	
Approach LOS		D			D			B			B	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.4	54.7	12.0	23.9	12.0	52.1	20.0	15.9				
Change Period (Y+Rc), s	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	7.0	30.0	7.0	36.0	7.0	30.0	15.0	28.0				
Max Q Clear Time (g_c+I1), s	4.2	9.7	9.0	10.6	8.9	23.4	16.8	9.2				
Green Ext Time (p_c), s	0.0	1.8	0.0	2.1	0.0	2.0	0.0	1.8				
Intersection Summary												
HCM 6th Ctrl Delay											27.8	
HCM 6th LOS											C	

HCM 6th TWSC
6: E. 56th Avenue & Phase 1 Site Access

2040 Total
AM Peak

Intersection						
Int Delay, s/veh	0.1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	13	481	445	1	0	4
Future Vol, veh/h	13	481	445	1	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	300	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	14	523	484	1	0	4

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	485	0	-	0	775 243
Stage 1	-	-	-	-	485 -
Stage 2	-	-	-	-	290 -
Critical Hdwy	4.14	-	-	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	5.84 -
Follow-up Hdwy	2.22	-	-	-	3.52 3.32
Pot Cap-1 Maneuver	1074	-	-	-	335 758
Stage 1	-	-	-	-	585 -
Stage 2	-	-	-	-	734 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1074	-	-	-	331 758
Mov Cap-2 Maneuver	-	-	-	-	331 -
Stage 1	-	-	-	-	577 -
Stage 2	-	-	-	-	734 -

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	9.8
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1074	-	-	-	758
HCM Lane V/C Ratio	0.013	-	-	-	0.006
HCM Control Delay (s)	8.4	-	-	-	9.8
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

HCM 6th TWSC
 8: E. 56th Avenue & Phase 2 Site Access

2040 Total
 AM Peak

Intersection						
Int Delay, s/veh	2.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↘	↑↑	↑↑	↗	↘	↗
Traffic Vol, veh/h	216	265	396	24	6	50
Future Vol, veh/h	216	265	396	24	6	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	300	-	-	300	0	100
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	235	288	430	26	7	54

























Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	456	0	-	0	1044 215
Stage 1	-	-	-	-	430 -
Stage 2	-	-	-	-	614 -
Critical Hdwy	4.14	-	-	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	5.84 -
Follow-up Hdwy	2.22	-	-	-	3.52 3.32
Pot Cap-1 Maneuver	1101	-	-	-	225 790
Stage 1	-	-	-	-	624 -
Stage 2	-	-	-	-	502 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1101	-	-	-	177 790
Mov Cap-2 Maneuver	-	-	-	-	177 -
Stage 1	-	-	-	-	491 -
Stage 2	-	-	-	-	502 -

Approach	EB	WB	SB
HCM Control Delay, s	4.1	0	11.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1101	-	-	-	177	790
HCM Lane V/C Ratio	0.213	-	-	-	0.037	0.069
HCM Control Delay (s)	9.2	-	-	-	26.1	9.9
HCM Lane LOS	A	-	-	-	D	A
HCM 95th %tile Q(veh)	0.8	-	-	-	0.1	0.2

HCM 6th Signalized Intersection Summary
 3: N. Imboden Road & E. 56th Avenue

2040 Total
 PM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	420	245	215	191	224	72	140	260	150	60	170	280
Future Volume (veh/h)	420	245	215	191	224	72	140	260	150	60	170	280
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	457	266	234	208	243	78	152	283	163	65	185	304
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	500	888	396	286	355	158	537	1558	695	514	1466	654
Arrive On Green	0.22	0.25	0.25	0.07	0.10	0.10	0.07	0.44	0.44	0.04	0.41	0.41
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	1781	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	457	266	234	208	243	78	152	283	163	65	185	304
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1781	1777	1585	1781	1777	1585
Q Serve(g_s), s	22.0	6.1	13.0	7.0	6.6	4.7	4.9	4.9	6.4	2.1	3.2	13.9
Cycle Q Clear(g_c), s	22.0	6.1	13.0	7.0	6.6	4.7	4.9	4.9	6.4	2.1	3.2	13.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	500	888	396	286	355	158	537	1558	695	514	1466	654
V/C Ratio(X)	0.91	0.30	0.59	0.73	0.68	0.49	0.28	0.18	0.23	0.13	0.13	0.46
Avail Cap(c_a), veh/h	500	1279	571	286	746	333	542	1558	695	565	1466	654
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.2	30.4	33.0	39.8	43.5	42.6	14.8	17.1	17.6	15.5	18.2	21.3
Incr Delay (d2), s/veh	21.4	0.2	1.4	8.9	2.3	2.4	0.3	0.3	0.8	0.1	0.2	2.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.4	2.6	5.1	2.2	3.0	1.9	2.0	2.0	0.2	0.8	1.3	5.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	51.6	30.6	34.4	48.7	45.8	45.0	15.1	17.4	18.4	15.6	18.4	23.7
LnGrp LOS	D	C	C	D	D	D	B	B	B	B	B	C
Approach Vol, veh/h		957			529			598			554	
Approach Delay, s/veh		41.6			46.8			17.1			21.0	
Approach LOS		D			D			B			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.2	48.8	12.0	30.0	11.8	46.3	27.0	15.0				
Change Period (Y+Rc), s	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	7.0	30.0	7.0	36.0	7.0	30.0	22.0	21.0				
Max Q Clear Time (g_c+I1), s	4.1	8.4	9.0	15.0	6.9	15.9	24.0	8.6				
Green Ext Time (p_c), s	0.0	2.3	0.0	2.5	0.0	1.9	0.0	1.4				
Intersection Summary												
HCM 6th Ctrl Delay				32.7								
HCM 6th LOS				C								

HCM 6th TWSC
6: E. 56th Avenue & Phase 1 Site Access

2040 Total
PM Peak

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	451	275	1	1	12
Future Vol, veh/h	4	451	275	1	1	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	300	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	490	299	1	1	13

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	300	0	-	0	553
Stage 1	-	-	-	-	300
Stage 2	-	-	-	-	253
Critical Hdwy	4.14	-	-	-	6.84
Critical Hdwy Stg 1	-	-	-	-	5.84
Critical Hdwy Stg 2	-	-	-	-	5.84
Follow-up Hdwy	2.22	-	-	-	3.52
Pot Cap-1 Maneuver	1258	-	-	-	463
Stage 1	-	-	-	-	725
Stage 2	-	-	-	-	766
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1258	-	-	-	462
Mov Cap-2 Maneuver	-	-	-	-	462
Stage 1	-	-	-	-	723
Stage 2	-	-	-	-	766

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	9.5
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1258	-	-	-	815
HCM Lane V/C Ratio	0.003	-	-	-	0.017
HCM Control Delay (s)	7.9	-	-	-	9.5
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1

HCM 6th TWSC
8: E. 56th Avenue & Phase 2 Site Access

2040 Total
PM Peak

Intersection						
Int Delay, s/veh	3.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↘	↗↗	↗↗	↘	↘	↘
Traffic Vol, veh/h	56	396	266	6	24	210
Future Vol, veh/h	56	396	266	6	24	210
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	300	-	-	300	0	100
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	61	430	289	7	26	228

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	296	0	-	0	626 145
Stage 1	-	-	-	-	289 -
Stage 2	-	-	-	-	337 -
Critical Hdwy	4.14	-	-	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	5.84 -
Follow-up Hdwy	2.22	-	-	-	3.52 3.32
Pot Cap-1 Maneuver	1262	-	-	-	416 876
Stage 1	-	-	-	-	735 -
Stage 2	-	-	-	-	695 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1262	-	-	-	396 876
Mov Cap-2 Maneuver	-	-	-	-	396 -
Stage 1	-	-	-	-	700 -
Stage 2	-	-	-	-	695 -

Approach	EB	WB	SB
HCM Control Delay, s	1	0	11
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1262	-	-	-	396	876
HCM Lane V/C Ratio	0.048	-	-	-	0.066	0.261
HCM Control Delay (s)	8	-	-	-	14.7	10.6
HCM Lane LOS	A	-	-	-	B	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2	1



<p>ASSIGNED PERMIT NUMBER</p> <p>Date Received _____</p> <p>MM DD YYYY HH:MM:SS</p> <p>Revised: 3-2016</p>
--

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION
COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

PHOTO COPIES, FAXED COPIES, PDF COPIES OR EMAILS WILL NOT BE ACCEPTED.

Any additional information that you would like the Division to consider in developing the permit should be provided with the application. Examples include effluent data and/or modeling and planned pollutant removal strategies.

Beginning July 1, 2016, invoices will be based on acres disturbed.
DO NOT PAY THE FEES NOW – Invoices will be sent after the receipt of the application.

Disturbed Acreage for this application (see page 4)

- Less than 1 acre (\$83 initial fee, \$165 annual fee)
- 1-30 acres (\$175 initial fee, \$350 annual fee)
- Greater than 30 acres (\$270 initial fee, \$540 annual fee)

A. PERMIT INFORMATION

Reason for Application

- NEW CERT
- MODIFICATION
- CHANGE OF CONTACT
- RENEW CERT
- TRANSFER
- TERMINATION

Existing Cert # _____

B. PERMITTED PROJECT/FACILITY INFORMATION

Facility Name: <u>Watkins Copeland Facility</u>	Original ID: _____
Property Address 1: <u>Imboden and E 56th Ave</u>	County: <u>Adams County</u>
Property Address 2: _____	Zip Code: <u>80137</u>
City: <u>Watkins</u>	State: <u>Co</u>
Latitude: <u>39.798</u>	Longitude: <u>-104.573</u>

SIC Code	Description
----------	-------------

Receiving Water Name	Receiving Water Type
----------------------	----------------------

C. CONTACT INFORMATION

1) *OPERATOR – RESPONSIBLE OFFICIAL - the party that has operation control over day to day activities – may be the same as the Owner

Responsible Person (Title): <u>Owner</u>	First Name: <u>Bart</u>	Last Name: <u>Copeland</u>
Telephone No: <u>303-936-4817</u>	Email Address: <u>Bart@copelandprecast.com</u>	Organization: <u>Copeland Holdings</u>
Mailing Address: <u>904 S. Lipan St</u>	_____	
City: <u>Denver</u>	State: <u>CO</u>	Zip Code: <u>80223</u>

2) *PROPERTY OWNER (CO-PERMITTEE) RESPONSIBLE OFFICIAL

Responsible Person (Title): Same as Operator First Name: _____ Last Name: _____
Telephone No: _____ Email Address: _____ Organization: _____
Mailing Address: _____
City: _____ State: CO Zip Code: _____

3) *SITE CONTACT (local contact for questions relating to the facility & discharge authorized by this permit)

Responsible Person (Title): General Contractor First Name: Greg Last Name: Christofferson
Telephone No: 303-944-0343 Email Address: saguarocompany@msn.com Organization: Saguaro Company
Mailing Address: Box 1123
City: Englewood State: CO Zip Code: 80150

4) *BILLING CONTACT

Responsible Person (Title): Owner First Name: Bart Last Name: Copeland
Telephone No: 303-936-4817 Email Address: Bart@copelandprecast.com Organization: Copeland Holdings
Mailing Address: 904 S. Lipan St
City: Denver State: CO Zip Code: 80223

5) OTHER CONTACT TYPES

Title	First Name	Last Name	Phone	Email	Address	City	State	Zip	Contact Type	Other

6) Former Permittee (transfer)

Responsible Person (Title): _____ First Name: _____ Last Name: _____
Email Address: _____ Company: _____

D. LEGAL DESCRIPTION

Legal description: if subdivided, provide the legal description below, or indicate that it is not applicable. Do not supply Township/Range/Section or metes and bounds description of the site.

Subdivision(s): _____ Lot(s): _____ Block(s): _____

OR

- Not applicable (site has not been subdivided)
- Facility additional description info

E. AREA OF CONSTRUCTION SITE

Total area of construction site 78 acres

Total area of project disturbance 11.9 acres

F. NATURE OF CONSTRUCTION ACTIVITY

Check the appropriate box(s) or provide a brief description that indicates the general nature of the construction activities. (The full description of activities must be included in the Stormwater Management Plan.)

- Commercial Development
- Residential Development
- Highway and Transportation Development
- Pipeline and Utilities (including natural gas, electricity, water, and communications)

- Oil and Gas Exploration and Well Pad Development
 - Non-structural and other development (i.e. parks, trails, stream realignment, bank stabilization, demolition, etc.)
 - Other
-

G. ANTICIPATED CONSTRUCTION SCHEDULE

Construction Start Date: 02/01/2021

Final Stabilization Date: 02/01/2023

- Construction Start Date - This is the day you expect to begin ground disturbing activities, including grubbing, stockpiling, excavating, demolition, and grading activities.
- Final Stabilization Date - in terms of permit coverage, this is when the site is finally stabilized. This means that all ground surface disturbing activities at the site have been completed and all disturbed areas have either been built on, paved, or a uniform vegetative cover has been established with an individual plant density of at least 70 percent of pre-disturbance levels.
- Permit coverage must be maintained until the site is finally stabilized. Even if you are only doing one part of the project, the estimated final stabilization date must be for the overall project. If permit coverage is still required once your part is completed, the permit certification may be transferred to a new responsible operator.

SIGNATURE REQUIREMENTS:

TERMINATION CERTIFICATION

- By checking this box I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity by the general permit. I understand that discharging pollutants in stormwater associated with construction activities to the waters of the State of Colorado, where such discharges are not authorized by a CDPS permit, is unlawful under the Colorado Water Quality Control Act and the Clean Water Act.
- STORMWATER MANAGEMENT PLAN CERTIFICATION (on new and renewals)**
By checking this box "I certify under penalty of law that a complete Stormwater Management Plan, has been/or will be completed, prior to the commencement of any construction activity. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the Stormwater Management Plan is/or will be, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for falsely certifying the completion of said SWMP, including the possibility of fine and imprisonment for knowing violations."

THIS PORTION OF THE SIGNATURE LANGUAGE IS REQUIRED ON ALL SUBMITTALS

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I understand that submittal of this application is for coverage under the State of Colorado General Permit for Stormwater Discharges Associated with Construction Activity for the entirety of the construction site/project described and applied for, until such time as the application is amended or the certification is transferred, inactivated, or expired."

Bart Copeland

Bart Copeland (Jan 26, 2021 08:30 MST)

Signature of Operator

Date Signed

Bart Copeland

Name (printed)

Owner

Title

Bart Copeland

Bart Copeland (Jan 26, 2021 08:30 MST)

Signature of Owner

Date Signed

Bart Copelnad

Name (printed)

Owner

Title

Signature: The applicant must be either the owner and operator of the construction site. Refer to Part B of the instructions for additional information. The application must be signed by the applicant to be considered complete. In all cases, it shall be signed as follows: (Regulation 61.4 (1ei))

- a) In the case of corporations, by the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the form originates
- b) In the case of a partnership, by a general partner.
- c) In the case of a sole proprietorship, by the proprietor.
- d) In the case of a municipal, state, or other public facility, by either a principal executive officer, ranking elected official, (a principal executive officer has responsibility for the overall operation of the facility from which the discharge originates).

FORMER PERMITTEE used for transfers

Signature (Legally Responsible Party)

Date

Name (printed)

Title






COR 400000 Permit appl

Final Audit Report

2021-01-26

Created:	2021-01-26
By:	Jeremiah Birdsell (jeremiah@copelandprecast.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAATbhzOHK7vZhvgnXTabOncOfp5IUexQ_

"COR 400000 Permit appl" History

-  Document created by Jeremiah Birdsell (jeremiah@copelandprecast.com)
2021-01-26 - 3:18:31 PM GMT- IP address: 96.76.170.74
-  Document emailed to Bart Copeland (bart@copelandprecast.com) for signature
2021-01-26 - 3:19:49 PM GMT
-  Email viewed by Bart Copeland (bart@copelandprecast.com)
2021-01-26 - 3:28:35 PM GMT- IP address: 96.76.170.73
-  Document e-signed by Bart Copeland (bart@copelandprecast.com)
Signature Date: 2021-01-26 - 3:30:24 PM GMT - Time Source: server- IP address: 96.76.170.73
-  Agreement completed.
2021-01-26 - 3:30:24 PM GMT